Illustrated Parts Manual

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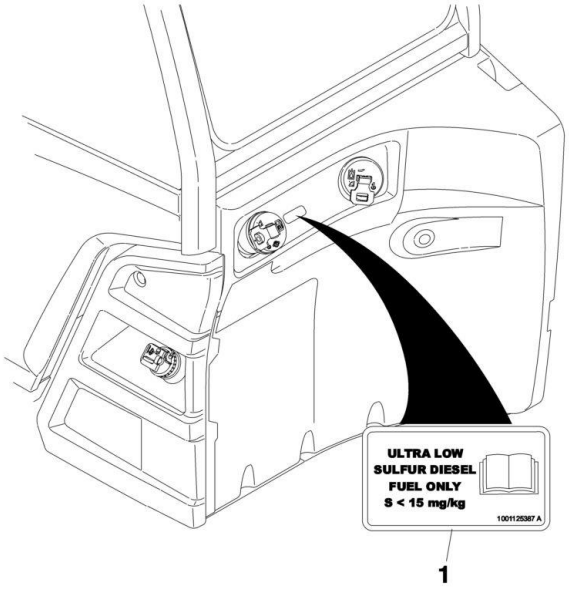
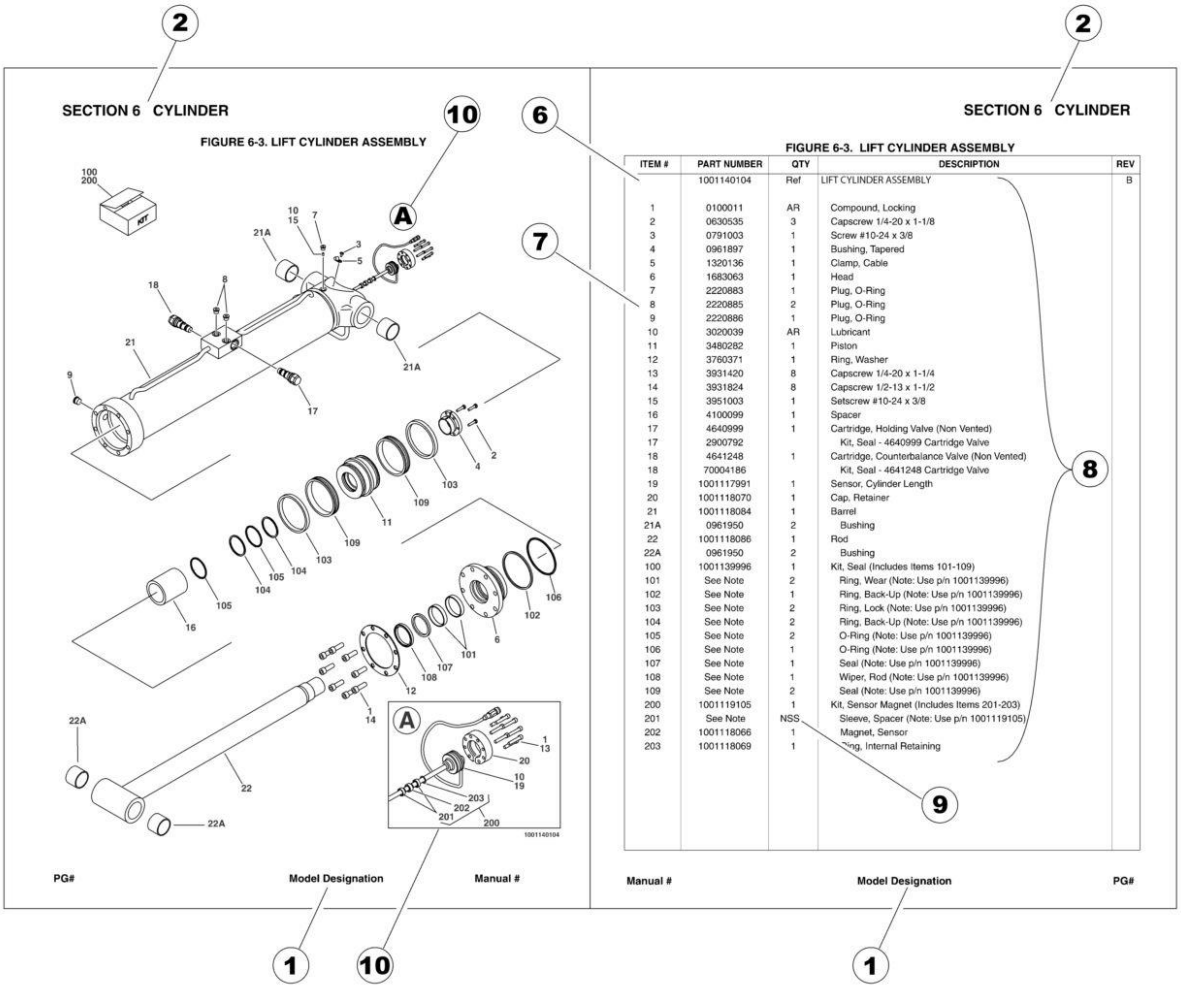
Machine Configuration

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. FRAME INSTALLATION

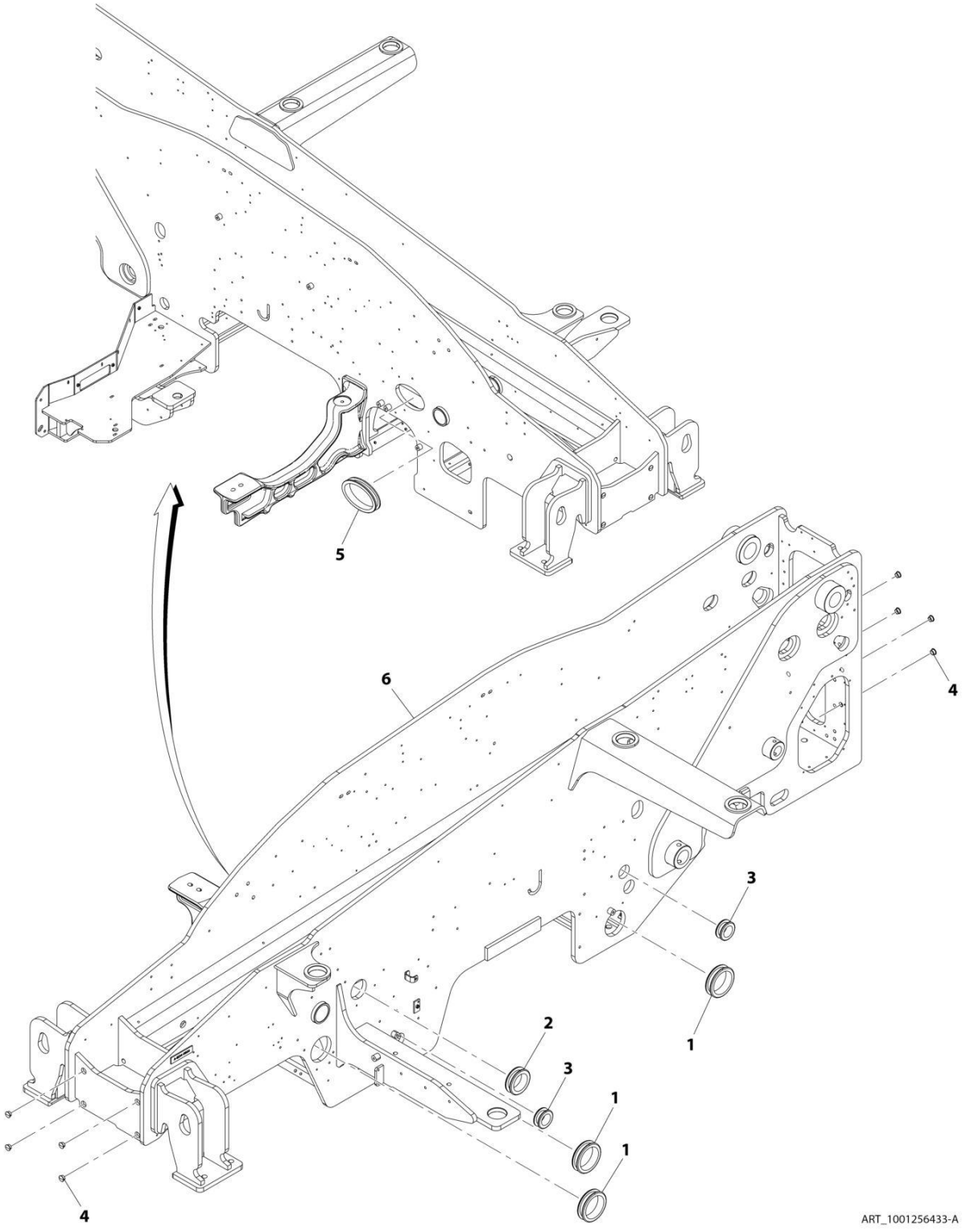


FIGURE 1-1. FRAME INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256433	Ref	Frame Installation	B
1	1001003439	3	Grommet, Rubber	
2	1001028291	2	Grommet	
3	1001028308	1	Grommet, Rubber	
4	1001091126	8	Plug, Black	
5	1001217550	1	Grommet, Rubber	
6	1001256434	1	Frame	

FIGURE 1-2. ENGINE ENCLOSURE INSTALLATION

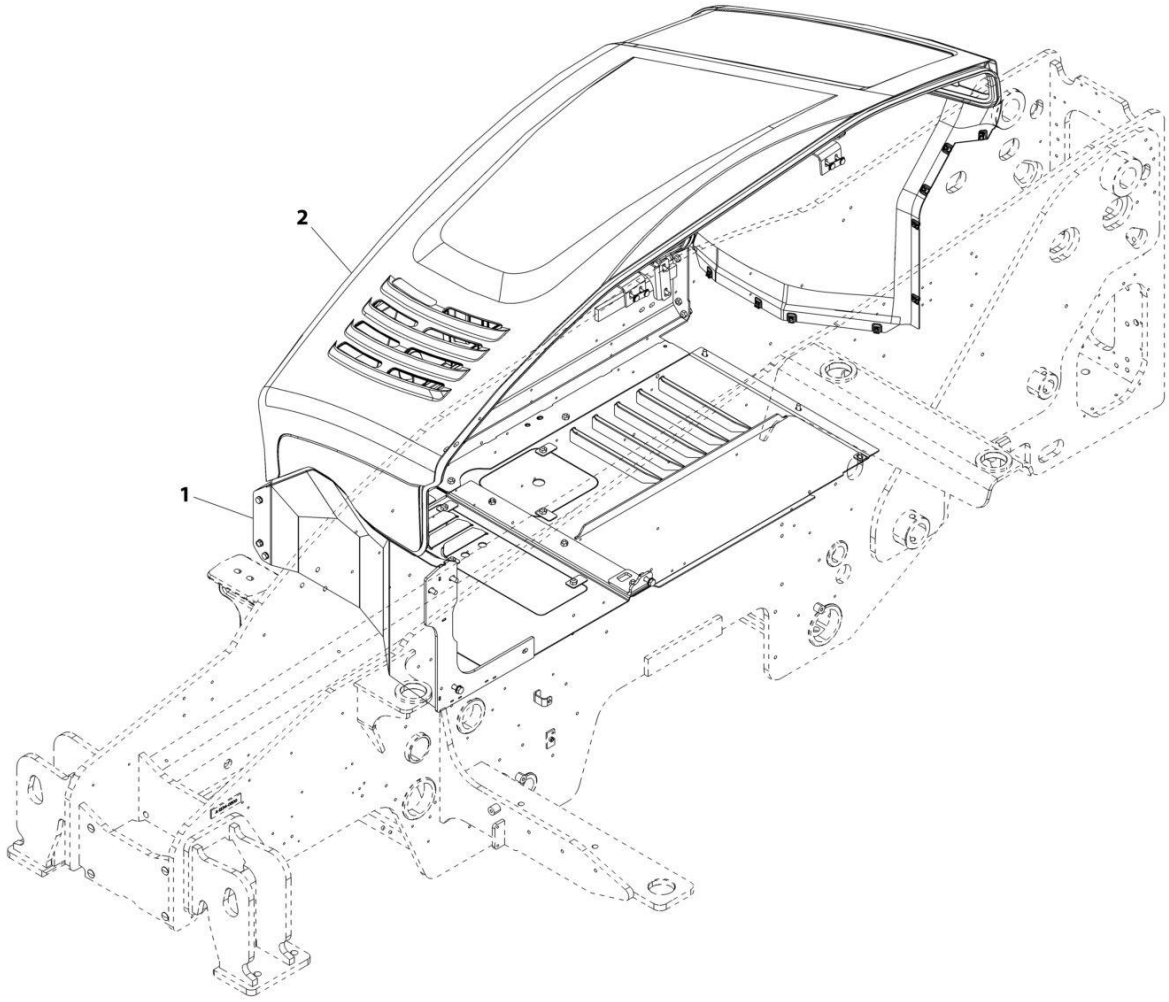


FIGURE 1-2. ENGINE ENCLOSURE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257415	Ref	Engine Enclosure Installation (NO RHOC)	A
1	1001195829	1	Installation, Engine Enclosure Cover (RHOC) (See Separate Breakdown in this Section)	
2	1001257414	1	Installation, Hood (See Separate Breakdown in this Section)	

FIGURE 1-3. ENGINE ENCLOSURE COVER INSTALLATION

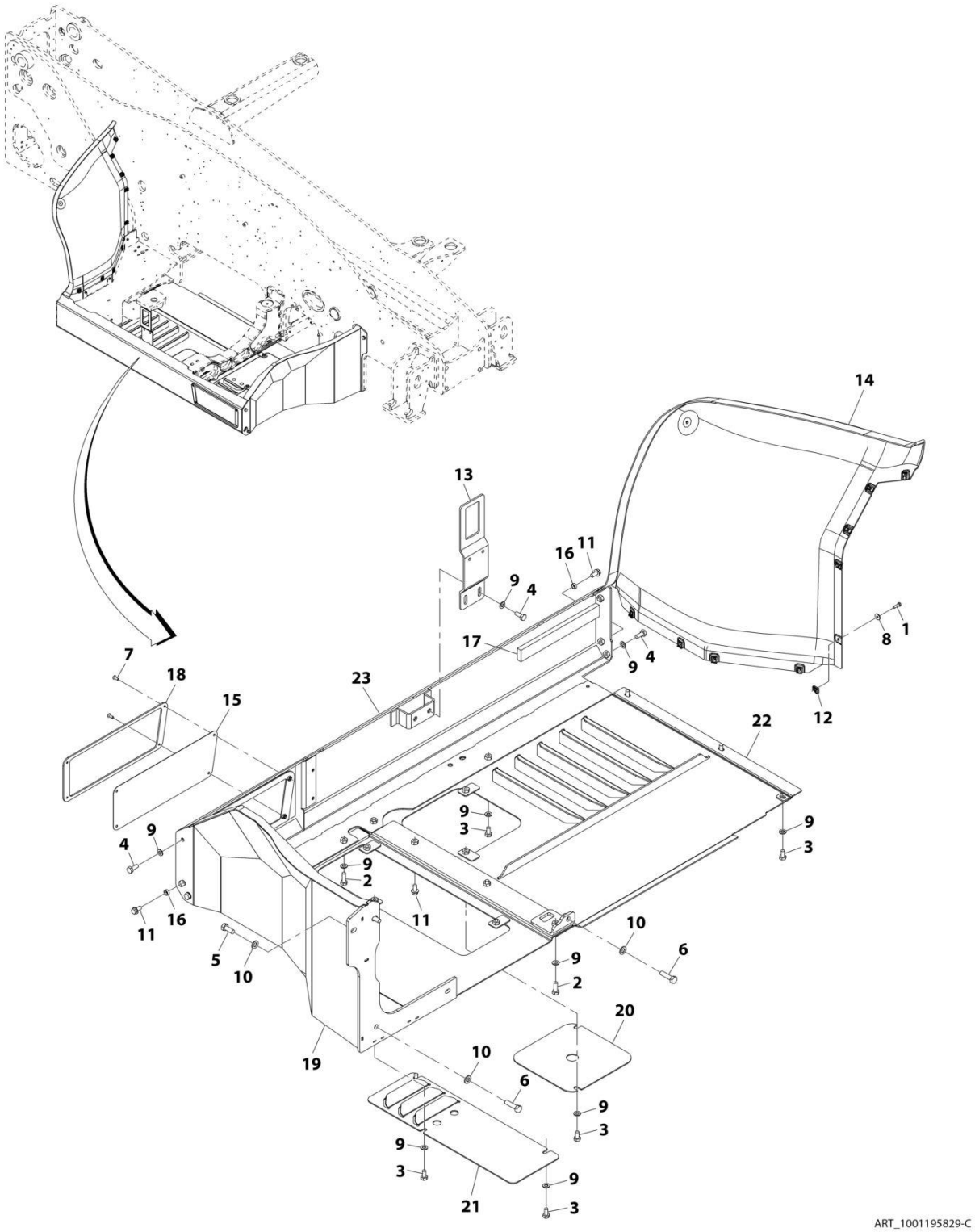


FIGURE 1-3. ENGINE ENCLOSURE COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195829	Ref	Engine Enclosure Cover Installation (RHOC)	E
1	0700610	9	Bolt, M6 X 20	
2	0701014	2	Bolt, M10X30	
3	0761010	10	Bolt, M10X20	
4	0761012	6	Bolt, M10X25	
5	0761214	2	Bolt, M12X30	
6	0761217	2	Bolt, M12X45	
7	3900224	4	Screw	
8	4811702	9	Washer, M6	
9	4812000	18	Washer, M10	
10	4812100	4	Washer, M12	
11	5251010	4	Bolt, M10X20 Grade 10.9	
12	8305919	9	Nut, M6	
13	1001154688	1	Plate	
14	1001184524	1	Cover, Engine Enclosure Rear	
15	1001185061	1	Grill, Engine Enclosure	
16	1001197135	2	Sleeve, Enclosure Skirt	
17	1001197266	1	Seal, Engine Enclosure	
18	1001185023J	1	Panel, Front Vent	
19	1001195210J	1	Panel, Front Enclosure	
20	1001195240J	1	Plate	
21	1001195252J	1	Plate	
22	1001201805J	1	Panel, Engine Enclosure Base	
23	1001196876J	1	Panel, Engine Enclosure Side	

FIGURE 1-4. HOOD INSTALLATION

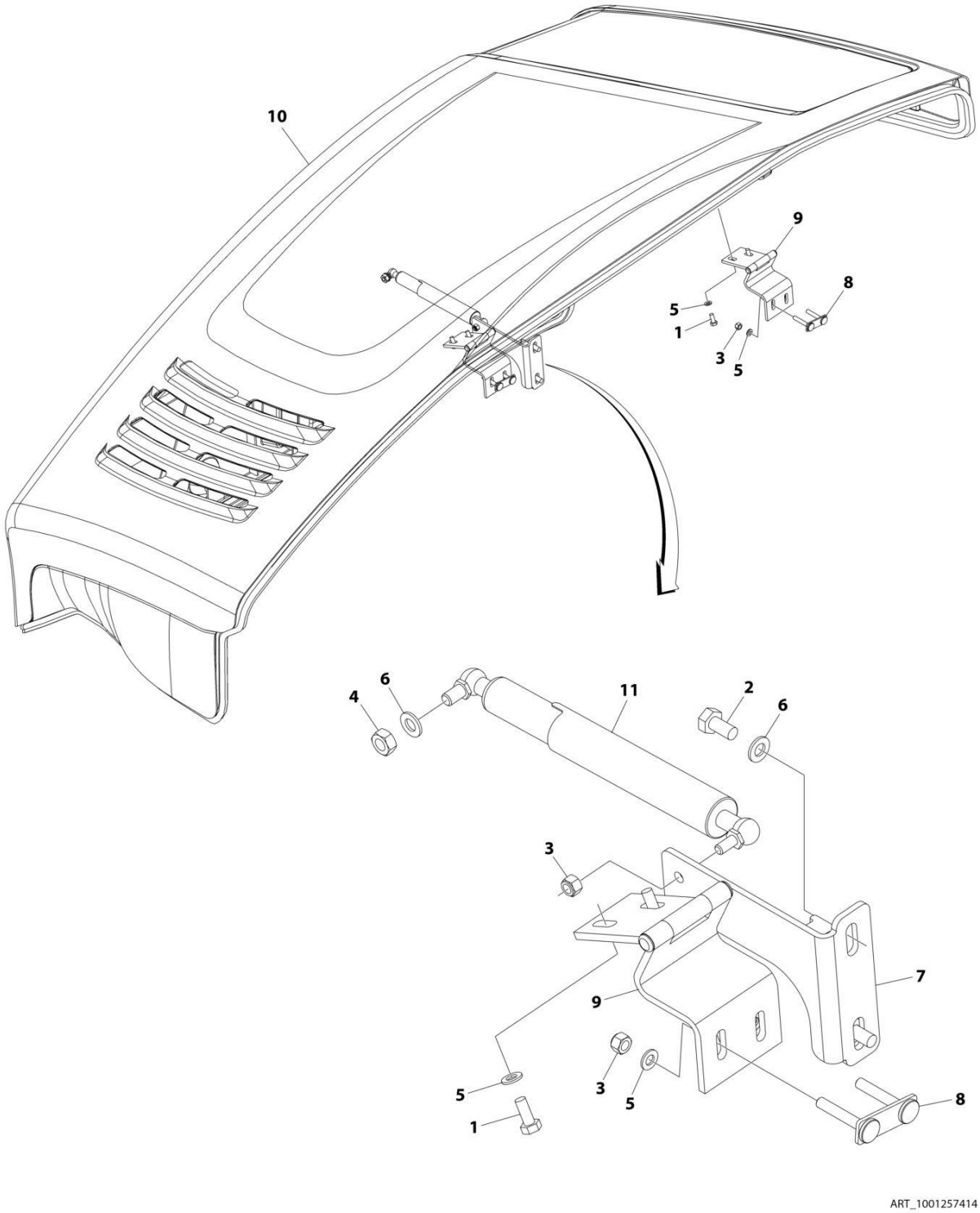


FIGURE 1-4. HOOD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257414	Ref	HOOD INSTALLATION	D
1	0760810	4	Bolt M8 x 20	
2	0761010	2	Bolt M10 x 20	
3	3290805	5	Nut M8	
4	3291001	1	Nut M10	
5	4811900	8	Washer M8	
6	4812000	3	Washer M10	
7	1001273847	1	Bracket	
8	1001195587	2	Brace	
9	1001205080	2	Hinge, Hood	
10	1001257413	1	Hood	
11	1001271338	1	Spring	

FIGURE 1-5. COVER PLATES INSTALLATION (NO OUTRIGGERS - ULS)

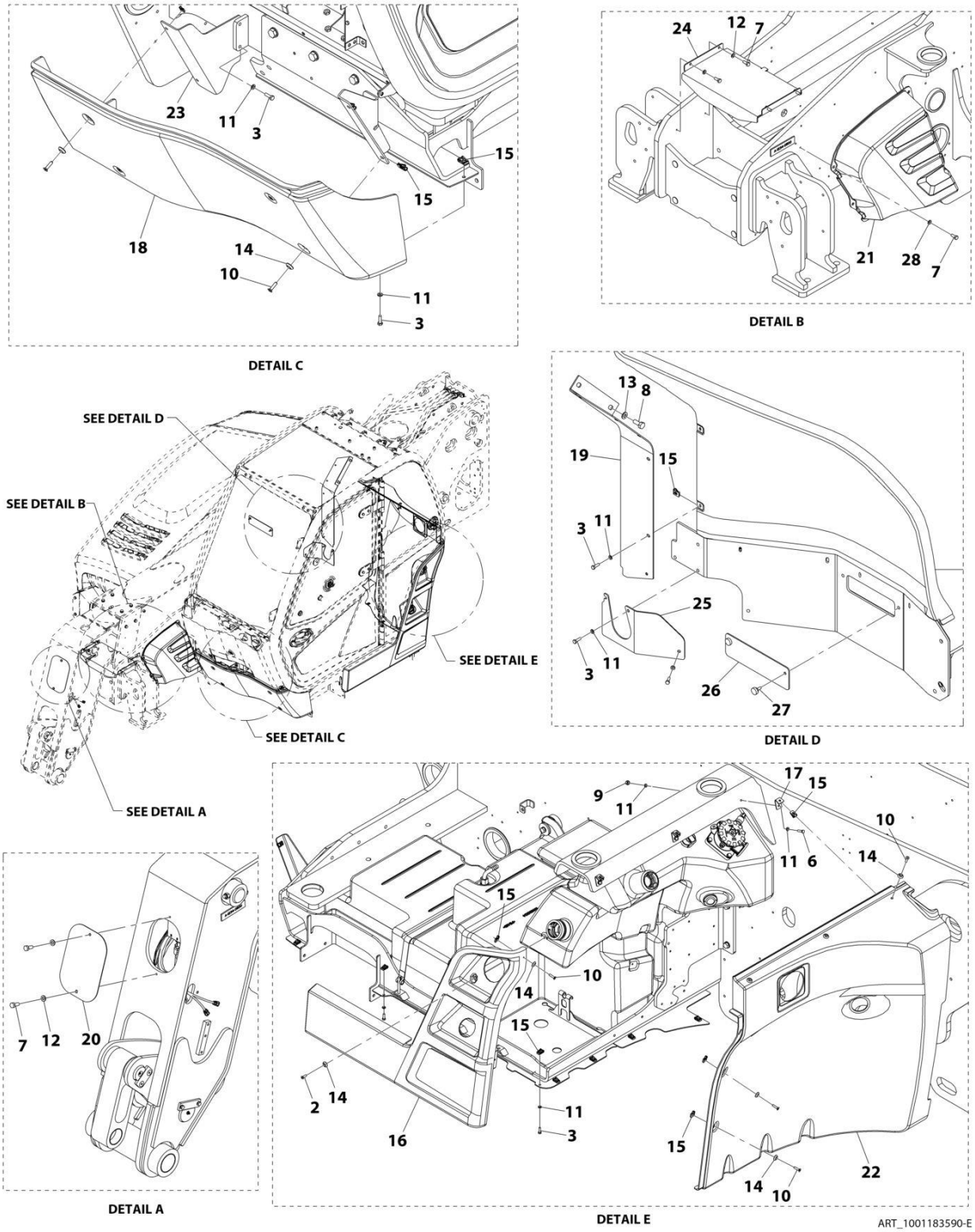
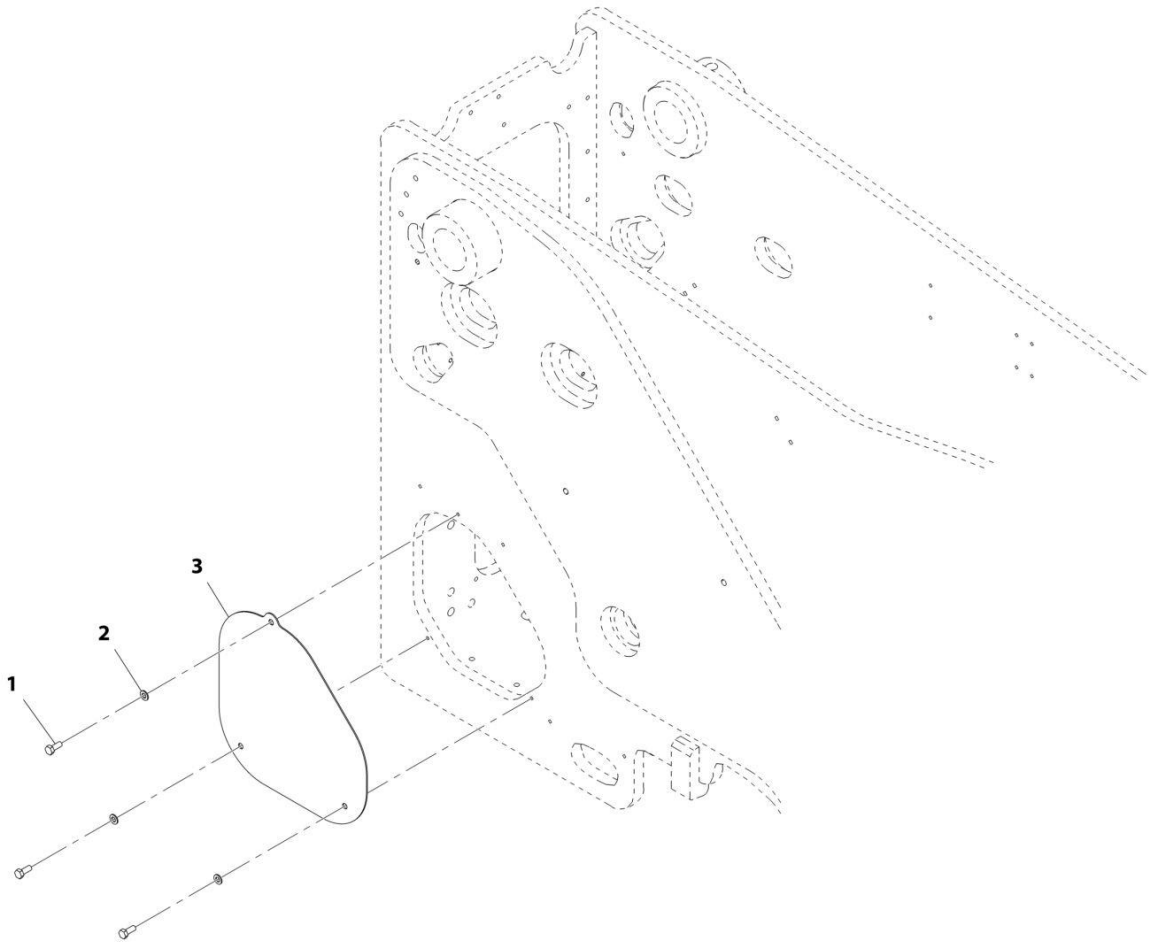


FIGURE 1-5. COVER PLATES INSTALLATION (NO OUTRIGGERS - ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183590	Ref	Cover Plates Installation (No Outriggers - ULS)	E
2	0630576	1	Screw, M6X20	
3	0700610	14	Bolt, M6X20	
6	0760612	3	Bolt, M6X25	
7	0760810	10	Bolt, M8X20	
8	0761012	2	Bolt, M10X25	
9	3290605	3	Nut, Lock M6X1 Grade 8	
10	3900379	10	Screw, M6-1X25 Grade 10.9	
11	4811700	20	Washer, M6	
12	4811900	6	Washer, M8	
13	4812000	2	Washer, M10	
14	1001097540	11	Washer, M6	
15	8305919	18	Nut, M6	
16	1001168758	1	Cover, Side Tank	
17	1001171782	3	Plate, Angle Mount	
18	1001174328	1	Cover, Lower Front	
19	1001182210	1	Plate, Enclosure Rear	
20	1001185936	1	Plate, Cover Boom Head	
21	1001187717	1	Cover, ECU	
22	1001190408	1	Cover, Rear Tank	
23	1001191808	1	Bracket, Cover	
24	1001189984J	1	Panel, Frame	
25	1001201504J	1	Panel, Cover	
26	1001216923J	1	Plate, Radiator Cover	
27	2080092	2	Screw, Thumb M6X20	
28	4811902	4	Washer, M8	

FIGURE 1-6. COVER PLATE INSTALLATION (NO TRAILER BRAKES)

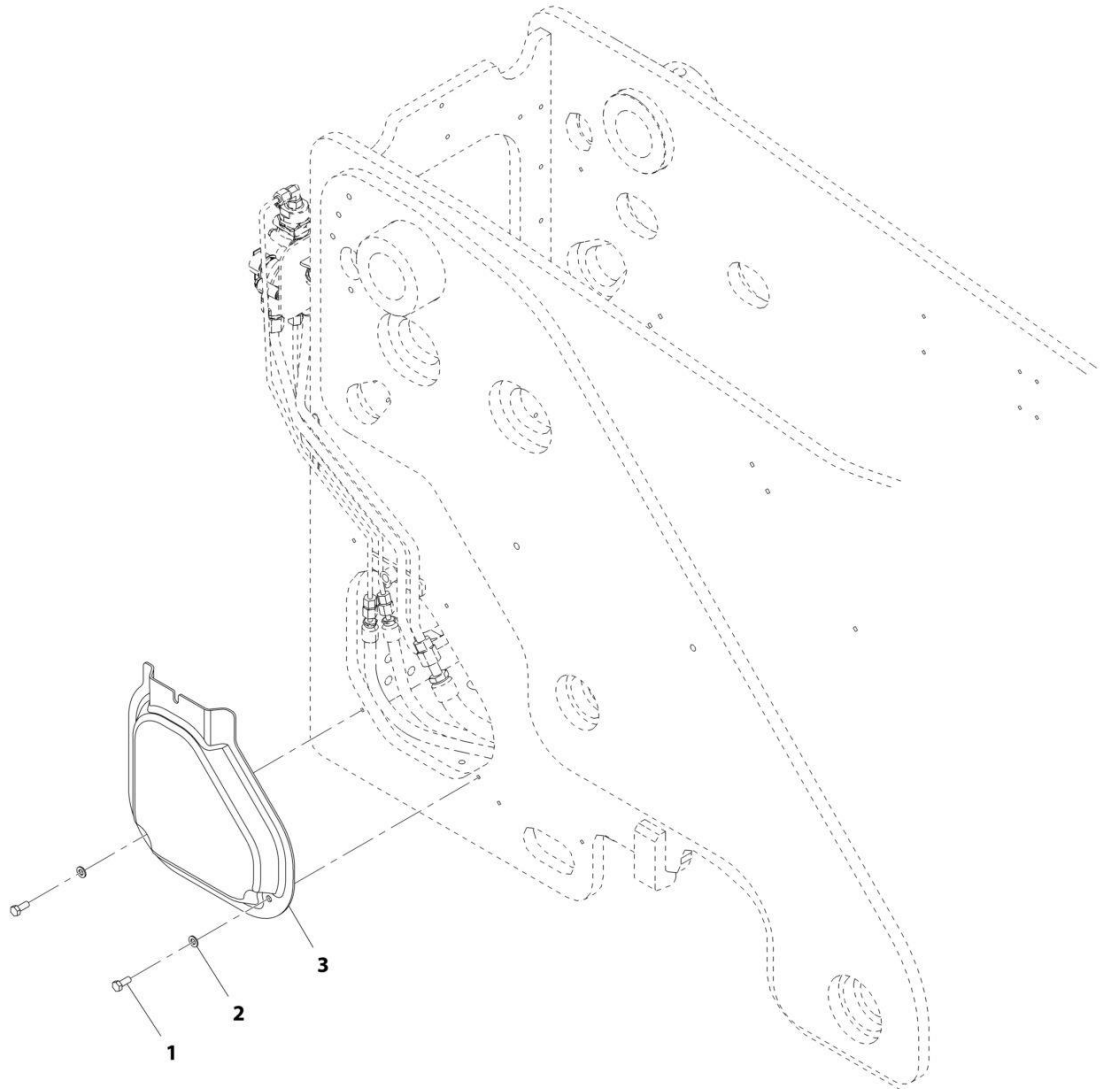


ART_1001203386-A

FIGURE 1-6. COVER PLATE INSTALLATION (NO TRAILER BRAKES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203386	Ref	Cover Plate Installation (No Trailer Brakes)	A
1	0760810	3	Bolt, M8X20	
2	4811900	3	Washer, M8	
3	1001180574J	1	Plate, Cover	

FIGURE 1-7. COVER PLATE INSTALLATION (TRAILER BRAKES)

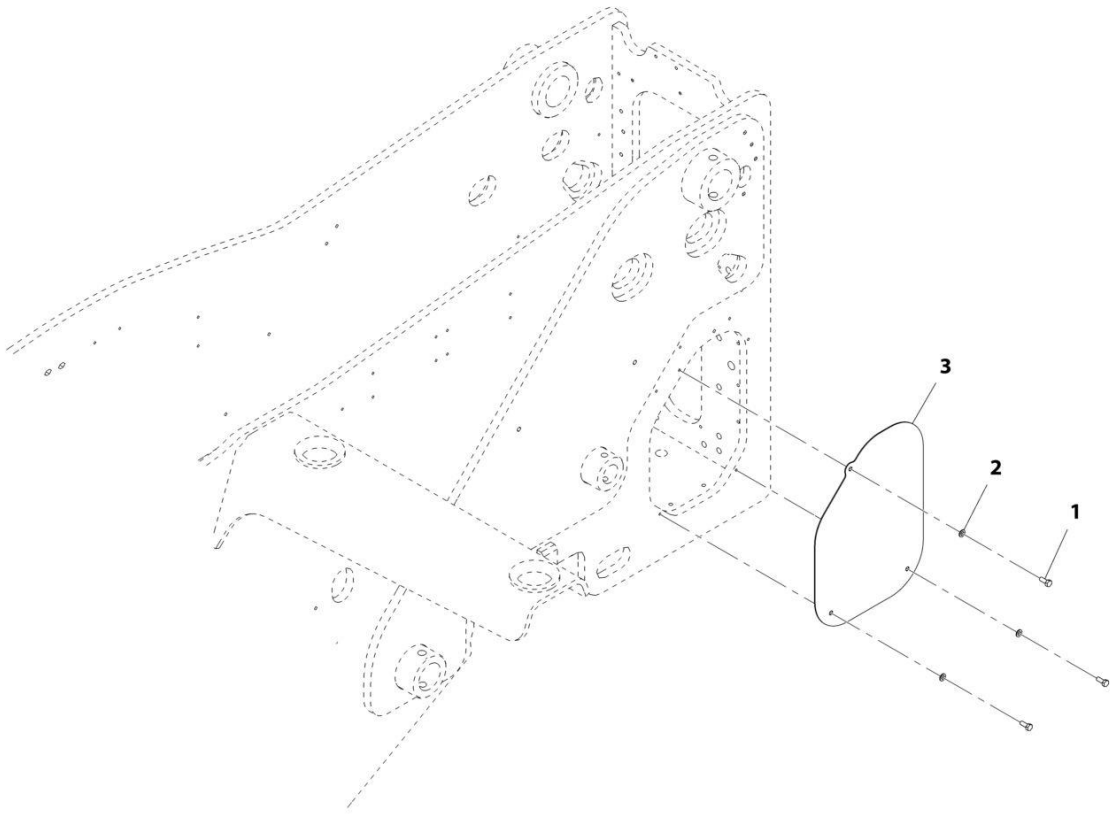


ART_1001203406-A

FIGURE 1-7. COVER PLATE INSTALLATION (TRAILER BRAKES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203406	Ref	Cover Plate Installation (Trailer Brakes)	A
1	0760810	2	Bolt, M8X20	
2	4811900	2	Washer, M8	
3	1001203410	1	Cover, Frame	

FIGURE 1-8. COVER PLATE INSTALLATION (NO REAR AUX)



ART_1001203374-A

FIGURE 1-8. COVER PLATE INSTALLATION (NO REAR AUX)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203374	Ref	Cover Plate Installation (No Rear Aux)	A
1	0760810	3	Bolt, M8X20	
2	4811900	3	Washer, M8	
3	1001183908J	1	Plate, Cover	

FIGURE 1-9. COVER PLATE INSTALLATION (REAR AUX)

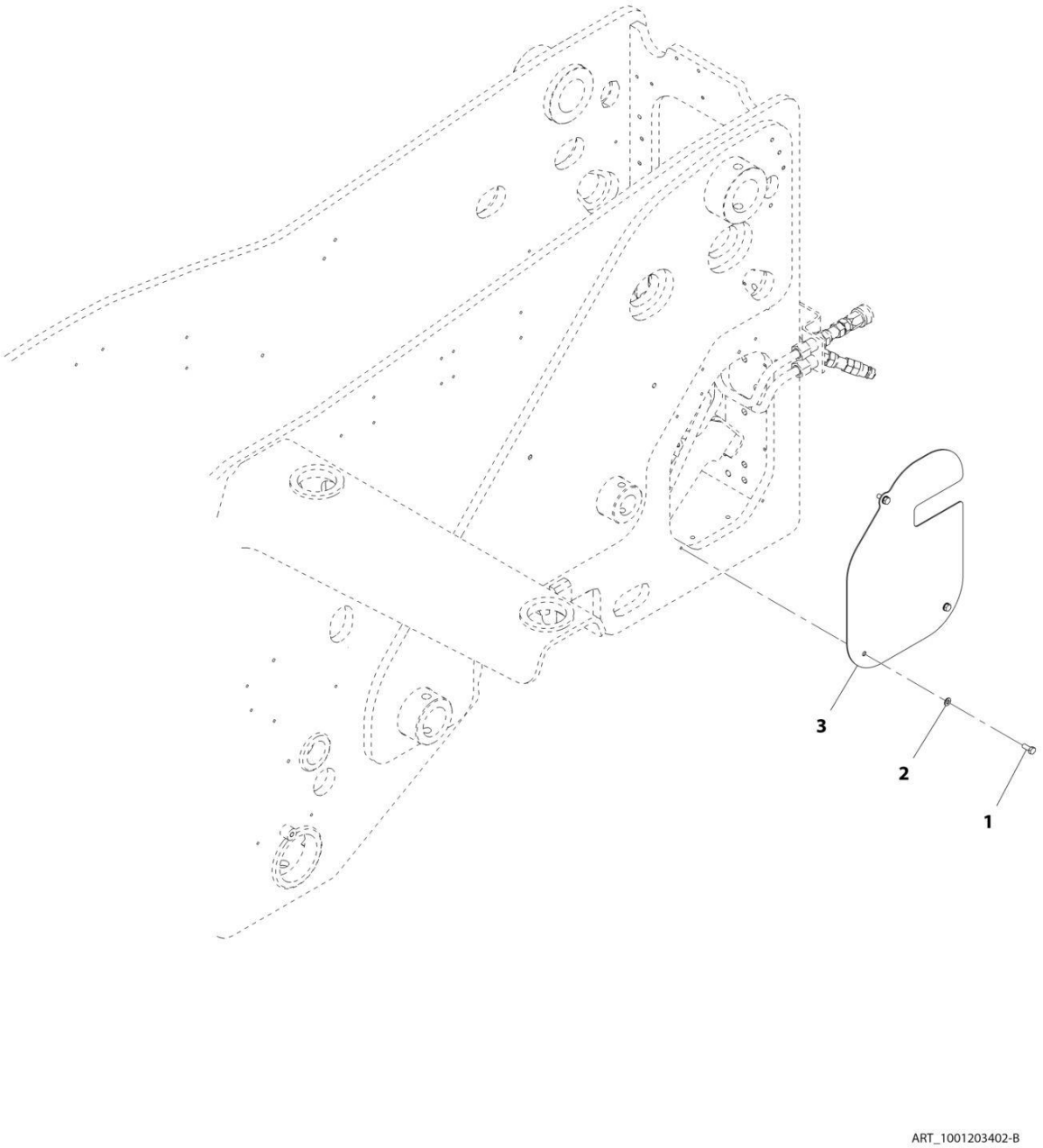
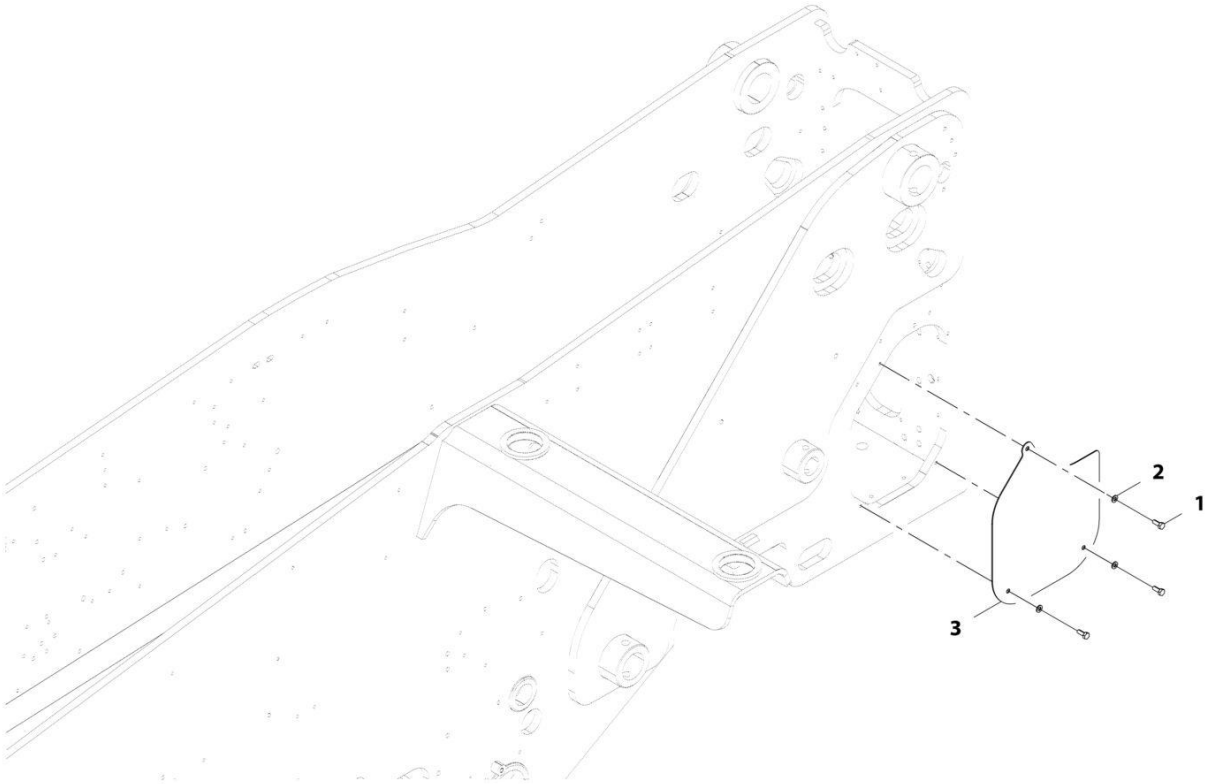


FIGURE 1-9. COVER PLATE INSTALLATION (REAR AUX)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203402	Ref	Cover Plate Installation (Rear Aux)	B
1	0760810	3	Bolt, M8X20	
2	4811900	3	Washer, M8	
3	1001203408J	1	Plate, Cover	

FIGURE 1-10. COVER PLATE INSTALLATION (HYDRAULIC HITCH AND REAR AUX)

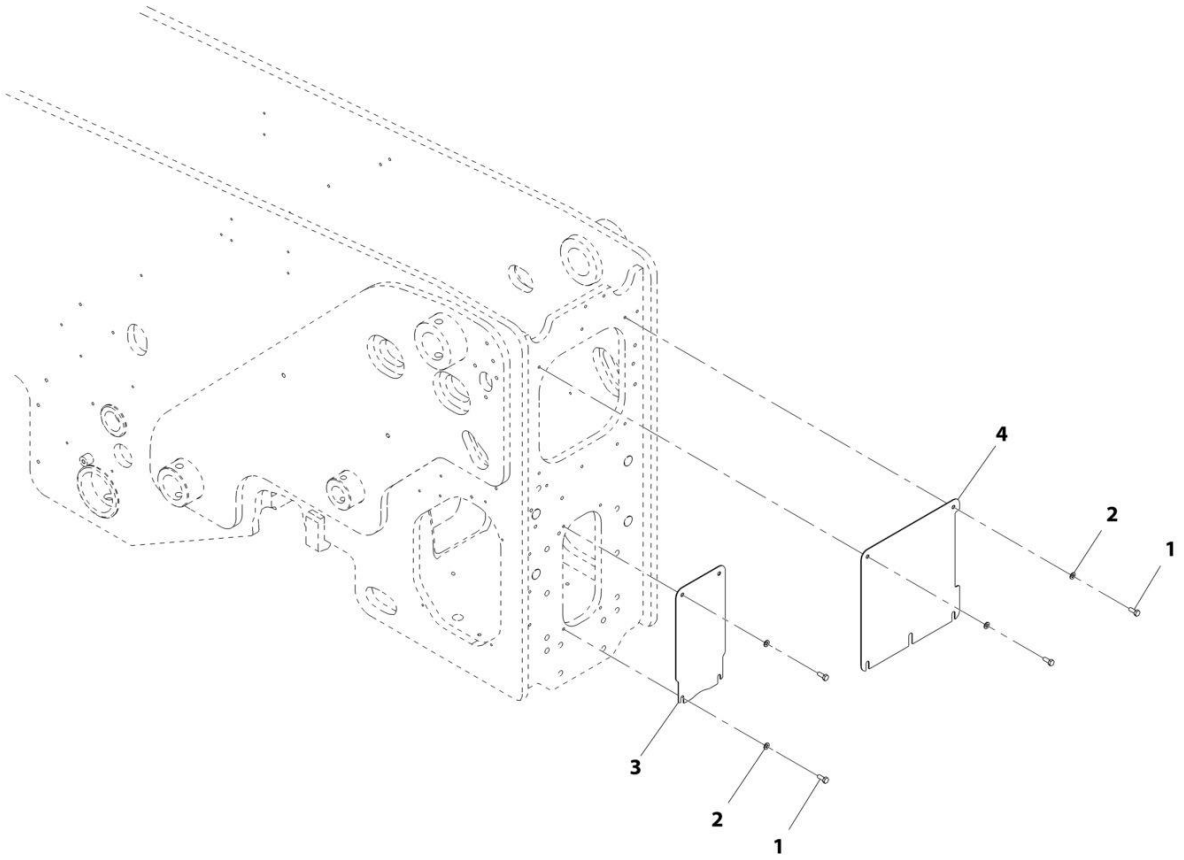


ART_1001214492-A

FIGURE 1-10. COVER PLATE INSTALLATION (HYDRAULIC HITCH AND REAR AUX)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214492	Ref	Cover Plate Installation (Hydraulic Hitch and Rear Aux)	A
1	0760810	3	Bolt, M8X20	
2	4811900	3	Washer, M8	
3	1001214036J	1	Plate	

FIGURE 1-11. REAR COVER PLATE INSTALLATION (NO HYDRAULIC HITCH)



ART_1001203291-B

FIGURE 1-11. REAR COVER PLATE INSTALLATION (NO HYDRAULIC HITCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203291	Ref	Rear Cover Plate Installation (No Hydraulic Hitch)	B
1	0760810	8	Bolt, M8X20	
2	4811900	8	Washer, M8	
3	1001183909J	1	Plate, Cover	
4	1001183910J	1	Plate, Cover	

FIGURE 1-12. TANKS INSTALLATION

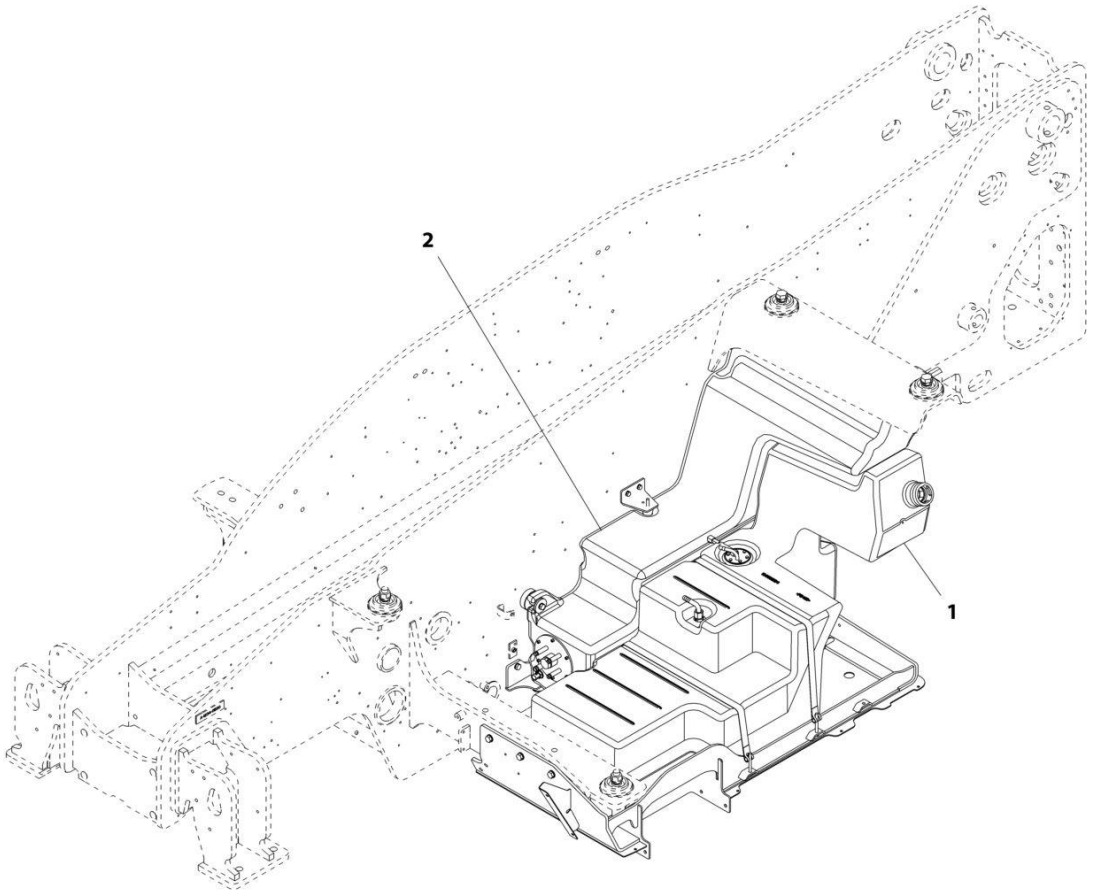
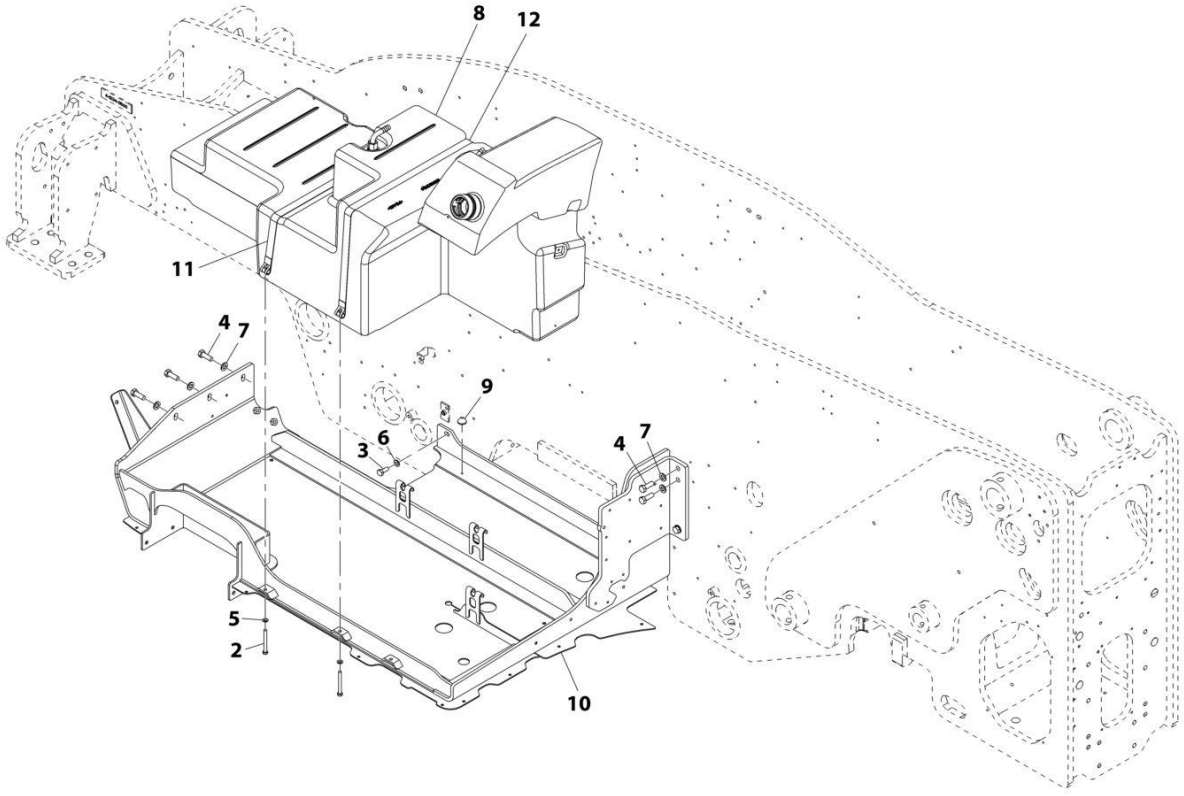


FIGURE 1-12. TANKS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176964	Ref	Tanks Installation	B
1	1001176965	Ref	Installation, Fuel Tank (See Separate Breakdown in this Section)	
2	1001176966	Ref	Installation, Hydraulic Tank (See Separate Breakdown in this Section)	

FIGURE 1-13. FUEL TANK INSTALLATION



ART_1001176965-D

FIGURE 1-13. FUEL TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176965	Ref	Fuel Tank Installation	D
2	0760823	2	Bolt, M8X75	
3	0761012	1	Bolt, M10X25	
4	0761215	6	Bolt, M12X35	
5	4811900	2	Washer, M8	
6	4812000	1	Washer, M10	
7	4812100	6	Washer, M12	
8	1001192125	1	Assembly, Fuel Tank (See Separate Breakdown in this Section)	
9	1001169454	4	Mount	
10	1001197360	1	Support, Plate	
11	1001178474	1	Strap, Tank	
12	1001178693	1	Strap, Tank	

FIGURE 1-14. FUEL TANK ASSEMBLY

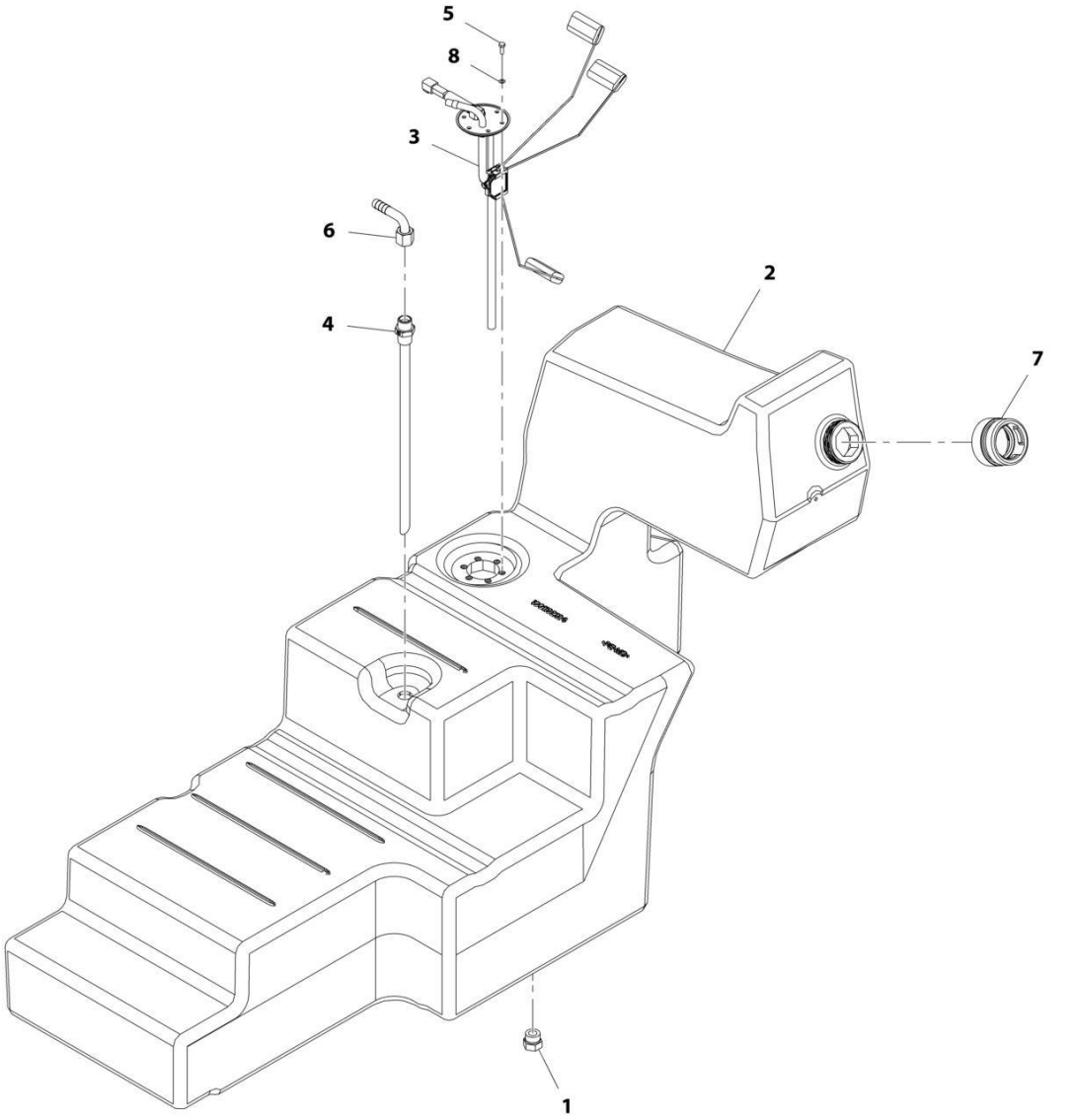


FIGURE 1-14. FUEL TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192125	Ref	FUEL TANK ASSEMBLY	C
1	1001003427	1	Plug	
2	1001192124	1	Tank, Fuel	
3	1001222188	1	Pump, Fuel	
4	1001170106	1	Pipe, Fuel Supply	
5	4031607	6	Bolt, M5X16	
6	1001172693	1	Fitting, 90	
7	1001192392	1	Adapter	
8	1001222190	6	Washer	

FIGURE 1-15. HYDRAULIC TANK INSTALLATION

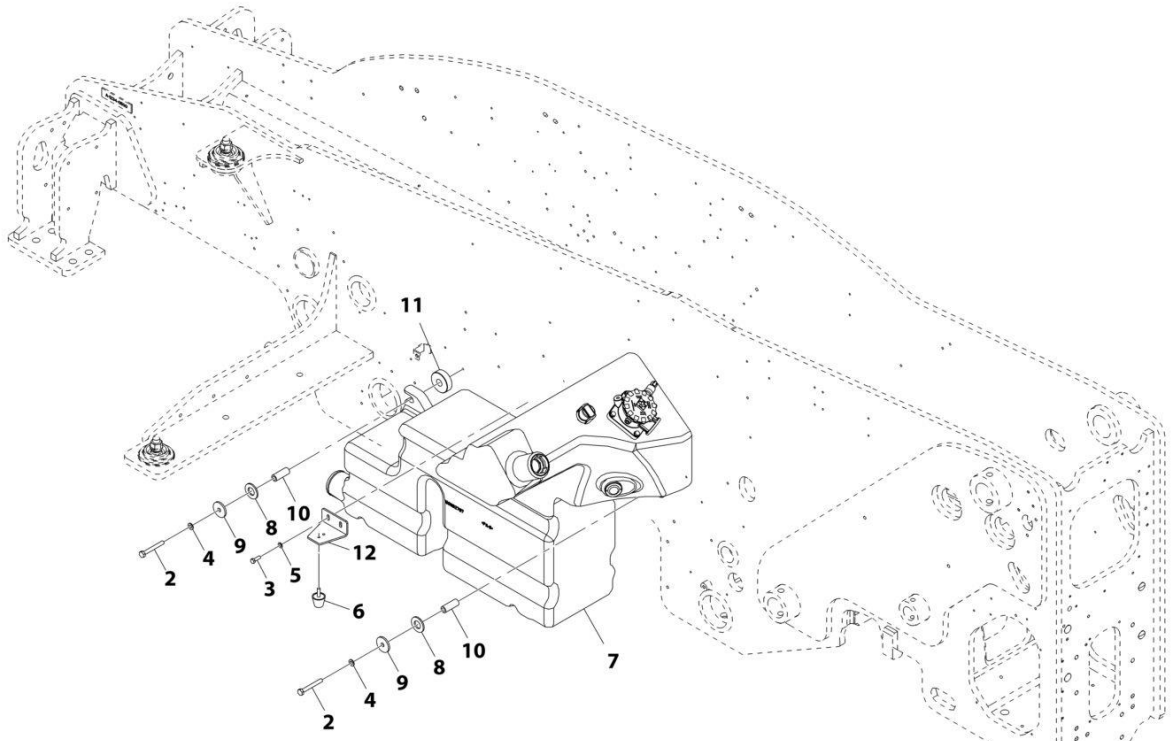


FIGURE 1-15. HYDRAULIC TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176966	Ref	Hydraulic Tank Installation	C
2	0701024	2	Bolt, M10X80	
3	0760812	2	Bolt, M8X25	
4	4812000	2	Washer, M10	
5	4811900	2	Washer, M8	
6	1001008575	1	Bumper	
7	1001191521	1	Assembly, Hydraulic Tank (See Separate Breakdown in this Section)	
8	1001172146	2	Washer	
9	1001172147	2	Washer, M10	
10	1001177060	2	Sleeve, Spacer	
11	1001177062	2	Washer	
12	1001177082	1	Bracket, Frame	

FIGURE 1-16. HYDRAULIC TANK ASSEMBLY

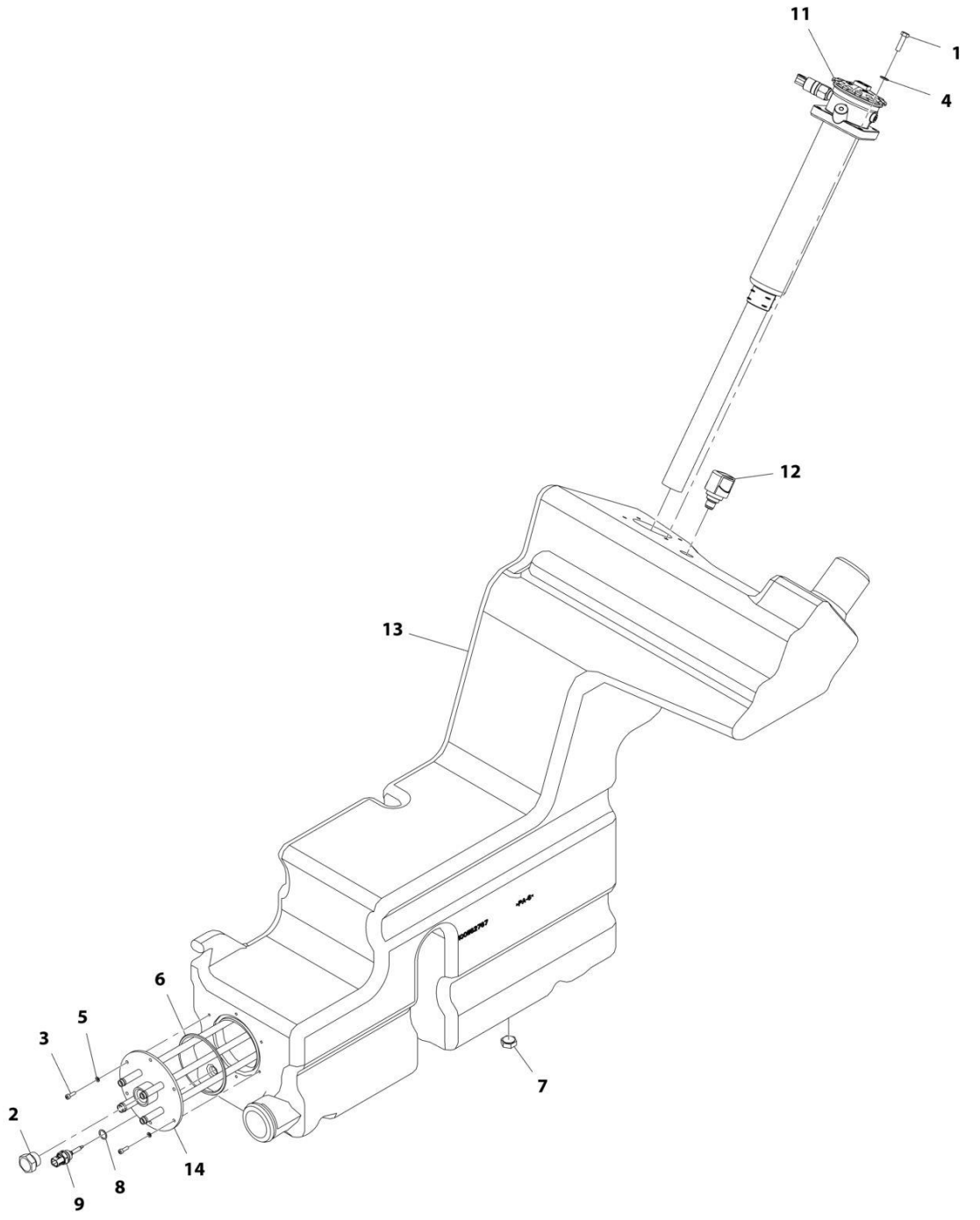


FIGURE 1-16. HYDRAULIC TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191521	Ref	HYDRAULIC TANK ASSEMBLY	D
1	0700814	4	Bolt M8 x 30	
2	2220240	1	Plug	
3	4031607	6	Screw M5 x 16	
4	4811900	4	Washer M8	
5	4831600	6	Washer, Lock M5	
6	1001003301	1	O-Ring	
7	2220239	1	Plug	
8	1001009163	1	O-Ring	
9	1001128478	1	Sensor, Hydraulic Oil Temperature	
11	1001162659	1	Filter, Hydraulic	
12	1001162662	1	Filter, Breather	
13	1001162767	1	Tank, Hydraulic	
14	1001191533	1	Manifold, Hydraulic Return	

FIGURE 1-17. FUEL AND HYDRAULIC CAP INSTALLATION

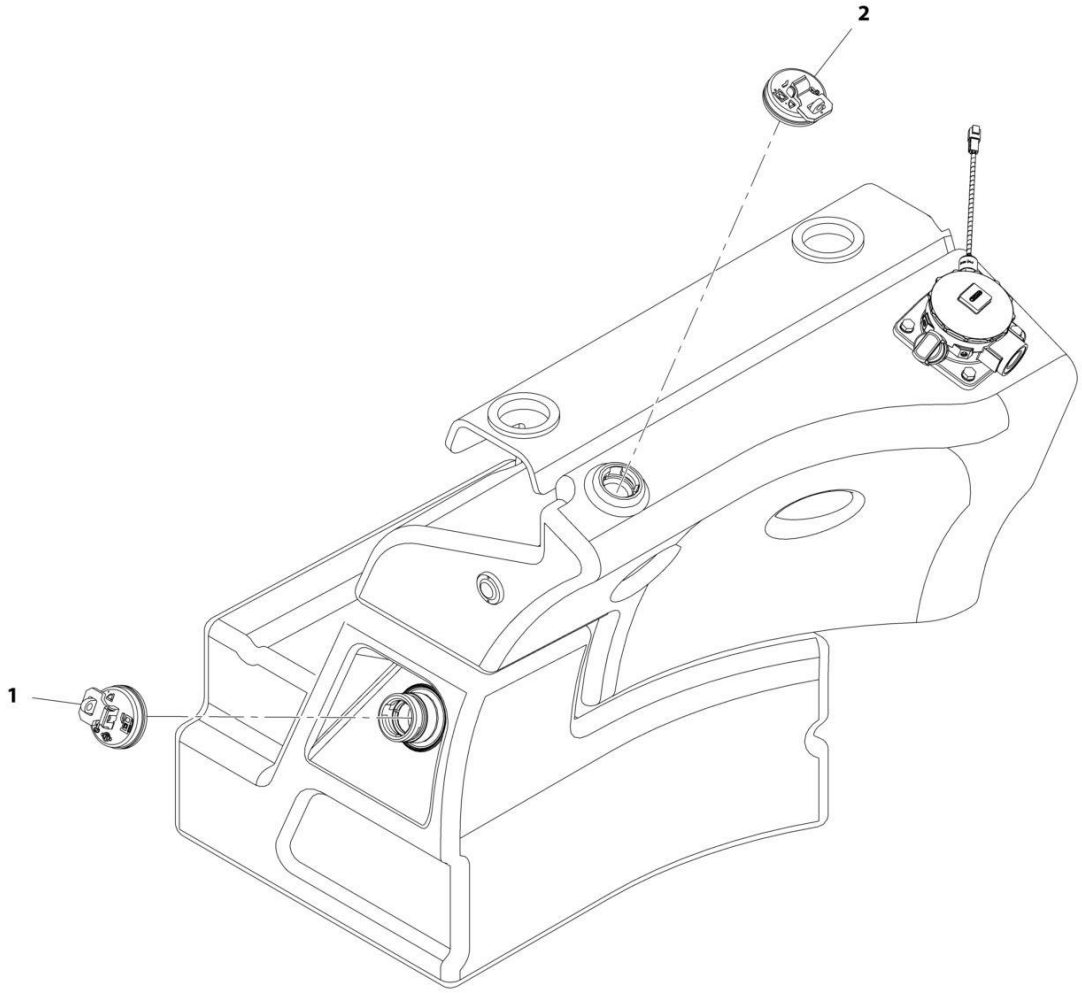


FIGURE 1-17. FUEL AND HYDRAULIC CAP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197275	Ref	Fuel and Hydraulic Cap Installation	A
1	1001142658	1	Cap, Fuel	
2	1001142659	1	Cap, Hydraulic	

FIGURE 1-18. HITCH RETRIEVAL INSTALLATION

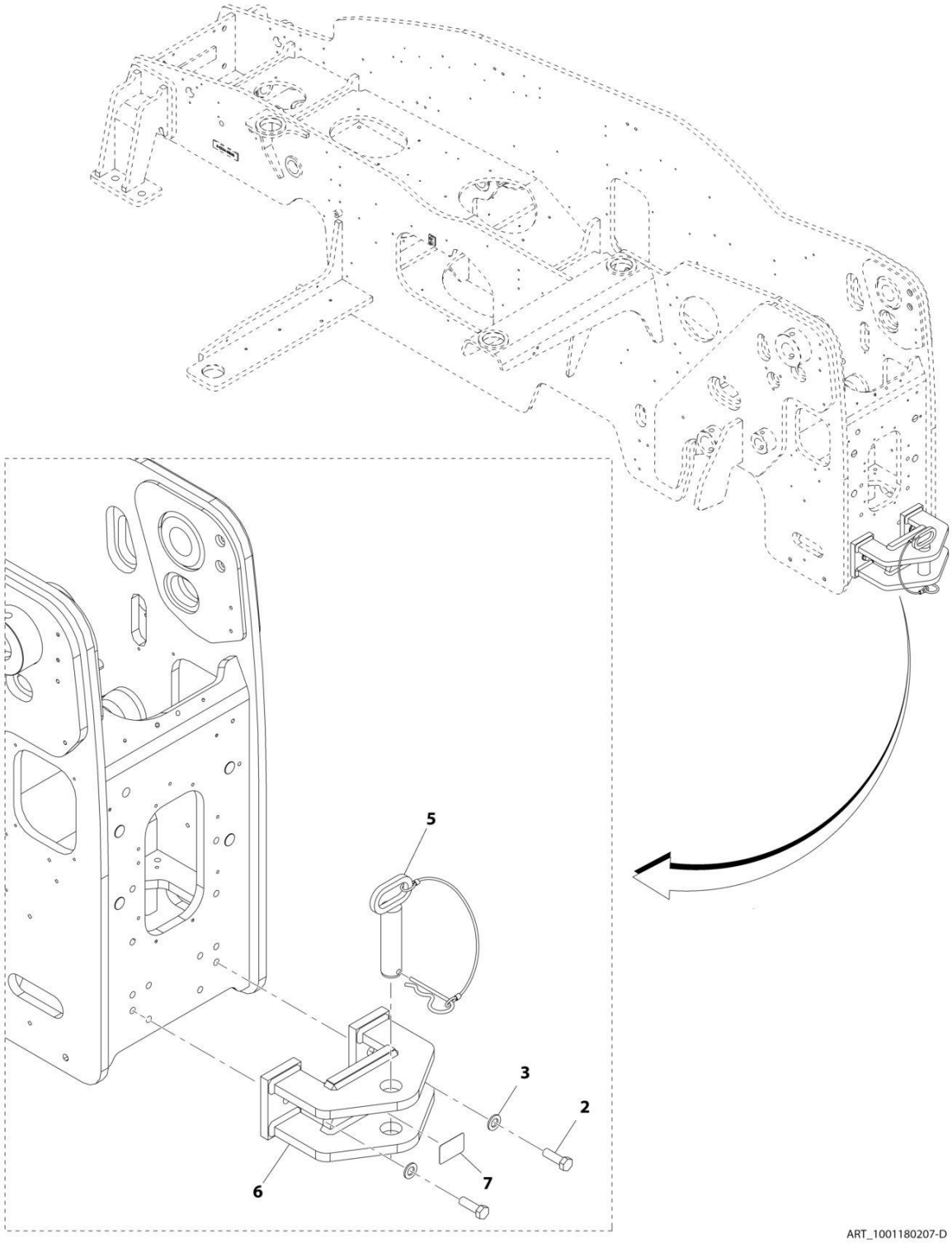


FIGURE 1-18. HITCH RETRIEVAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180207	Ref	Hitch Retrieval Installation	D
2	0771618	2	Bolt, M16X50 Grade 10.9	
3	5241600	2	Washer, M16	
6	1001106570	NLA	Hitch, Retrieval (no longer available, use 1001238460 for replacement)	
6	1001238460	1	Hitch, Retrieval	
7	1001241674	1	Decal, Retrieval Point	

FIGURE 1-19. HITCH INSTALLATION (EEC AUTO)

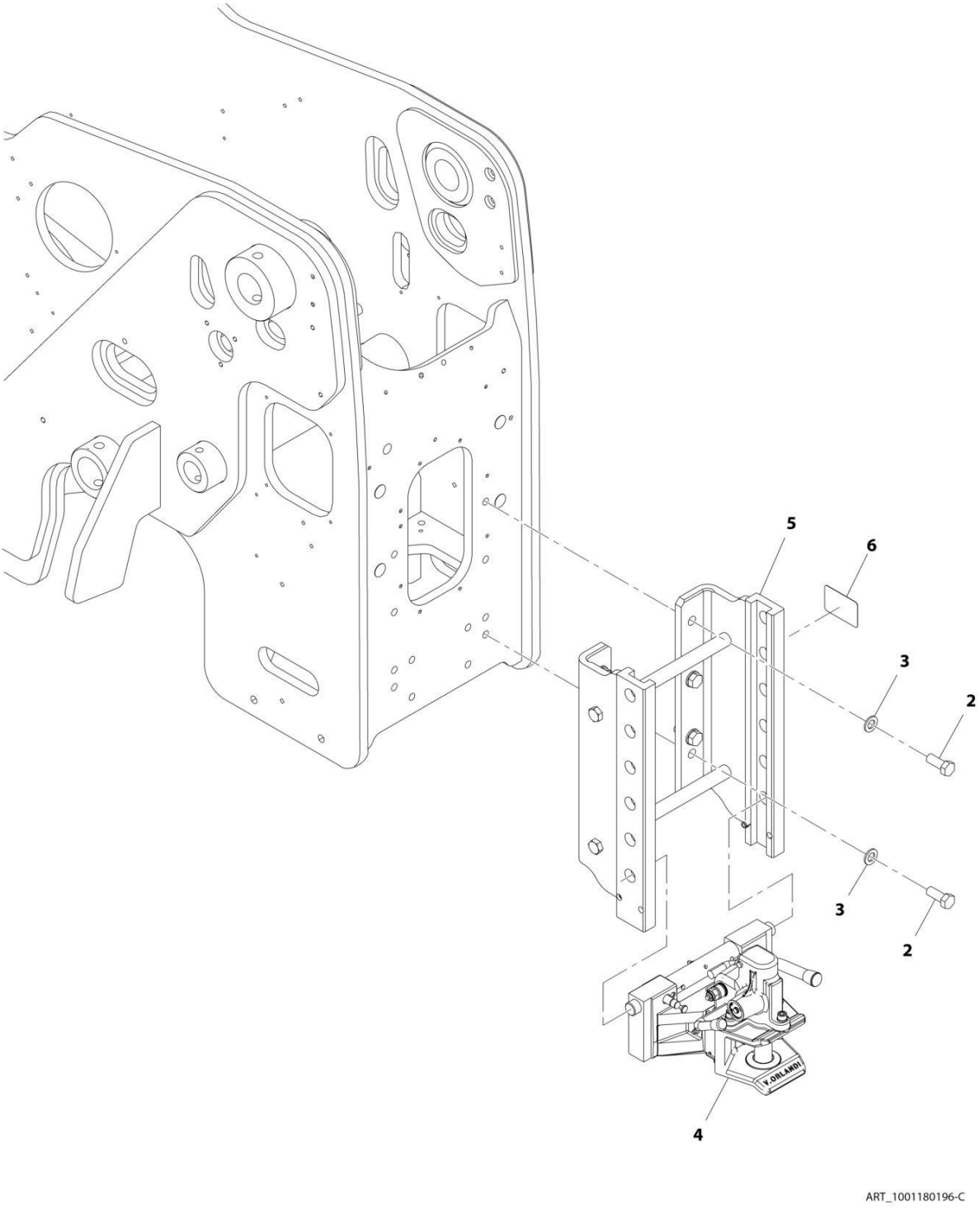


FIGURE 1-19. HITCH INSTALLATION (EEC AUTO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180196	Ref	Hitch Installation (EEC Auto)	C
2	0701616	8	Bolt, M16X40	
3	4812300	8	Washer, M6	
4	1001098629	1	Assembly, Hitch (EEC Auto) (See Separate Breakdown in this Section)	
5	1001183274	1	Hitch, Sliding Towing Bracket	
6	1001241674	1	Decal, Retrieval Point	

FIGURE 1-20. HITCH INSTALLATION (PITON)

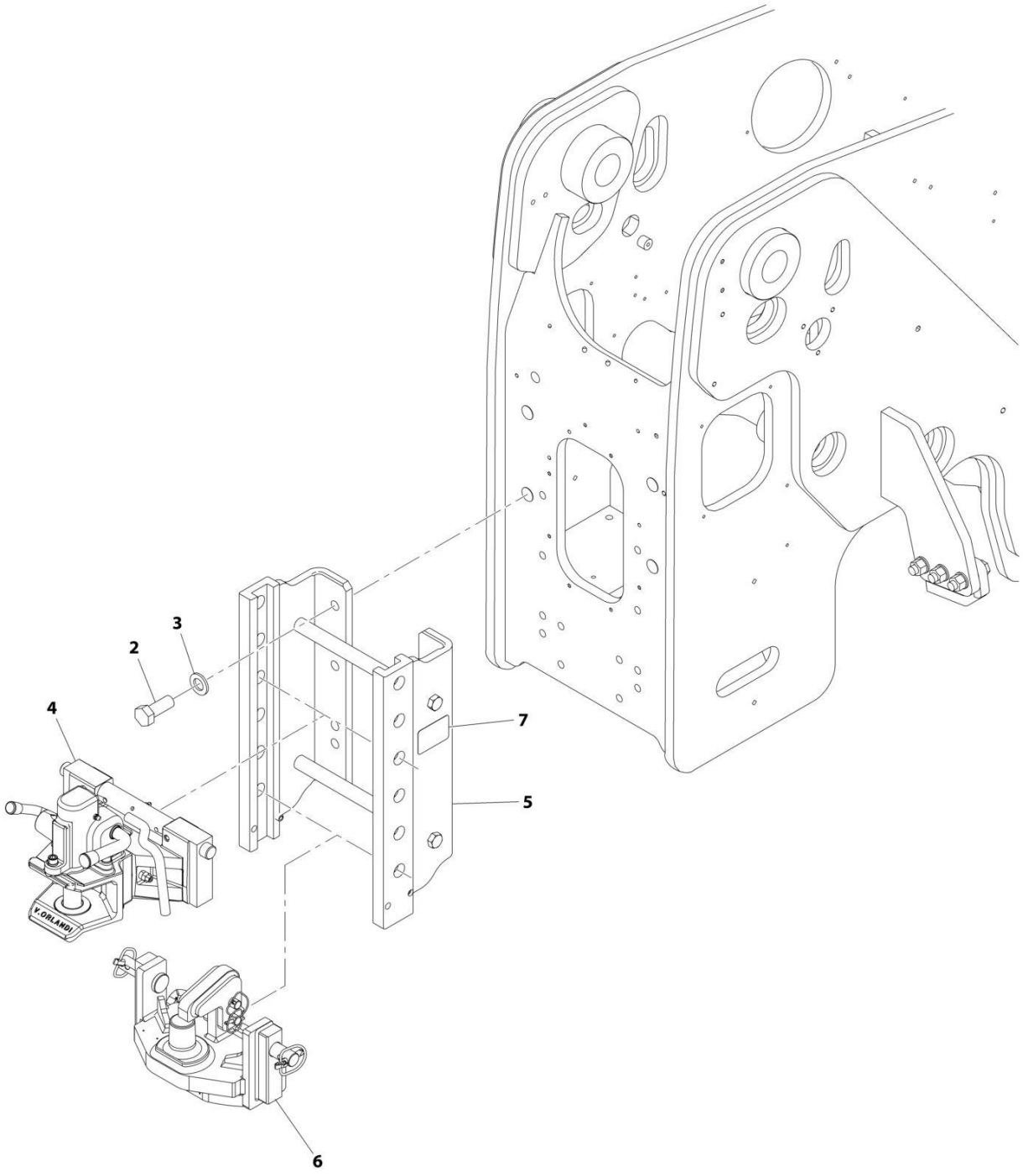


FIGURE 1-20. HITCH INSTALLATION (PITON)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180202	Ref	Hitch Installation (Piton)	C
2	0701616	8	Bolt, M16X40	
3	4812300	8	Washer, M16	
4	1001098629	1	Assembly, Hitch (EEC AUTO) (See Separate Breakdown in this Section)	
5	1001183274	1	Hitch, Sliding Towing Bracket	
6	1001185248	1	Hitch, Sliding (Piton) (See Separate Breakdown in this Section)	
7	1001241674	1	Decal, Retrieval Point	

FIGURE 1-21. HITCH ASSEMBLY (EEC AUTO)

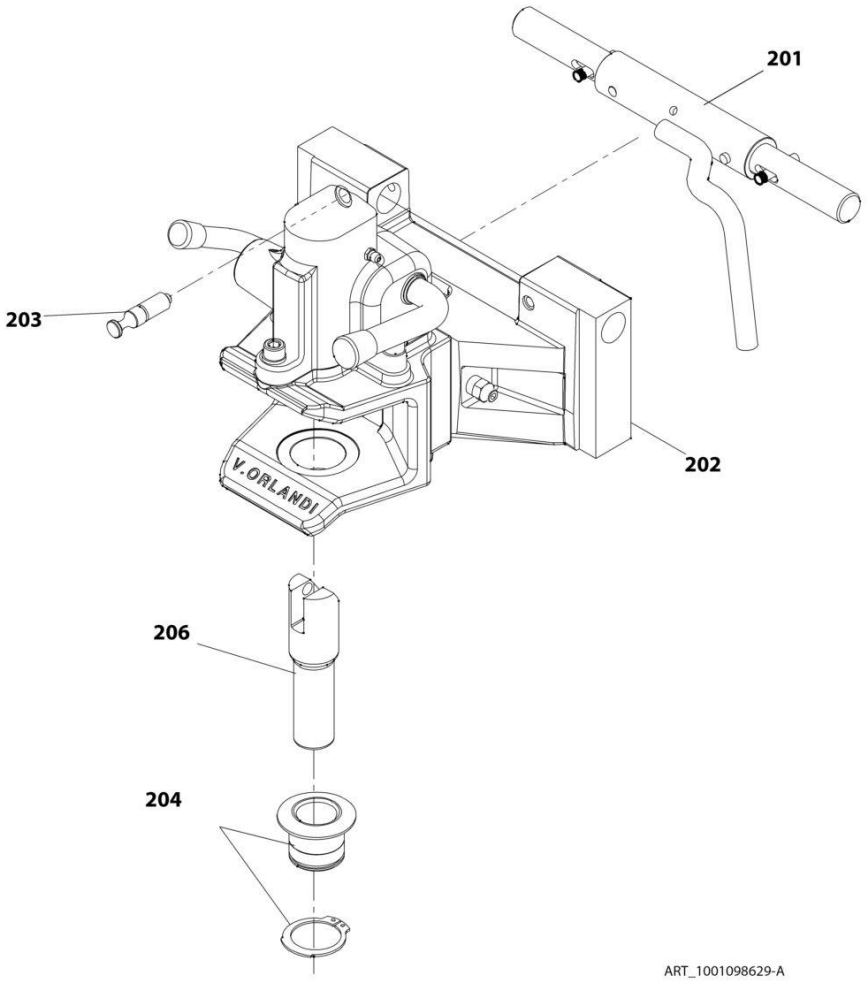


FIGURE 1-21. HITCH ASSEMBLY (EEC AUTO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098629	Ref	Hitch Assembly (EEC Auto)	A
201	70022821	1	Lever, Opening	
202	70022822	1	Mechanism, Box	
203	70022823	1	Pivot, Security	
204	70022824	1	Bushing	
206	70022825	1	Pin	

FIGURE 1-22. SLIDING HITCH ASSEMBLY (PITON)

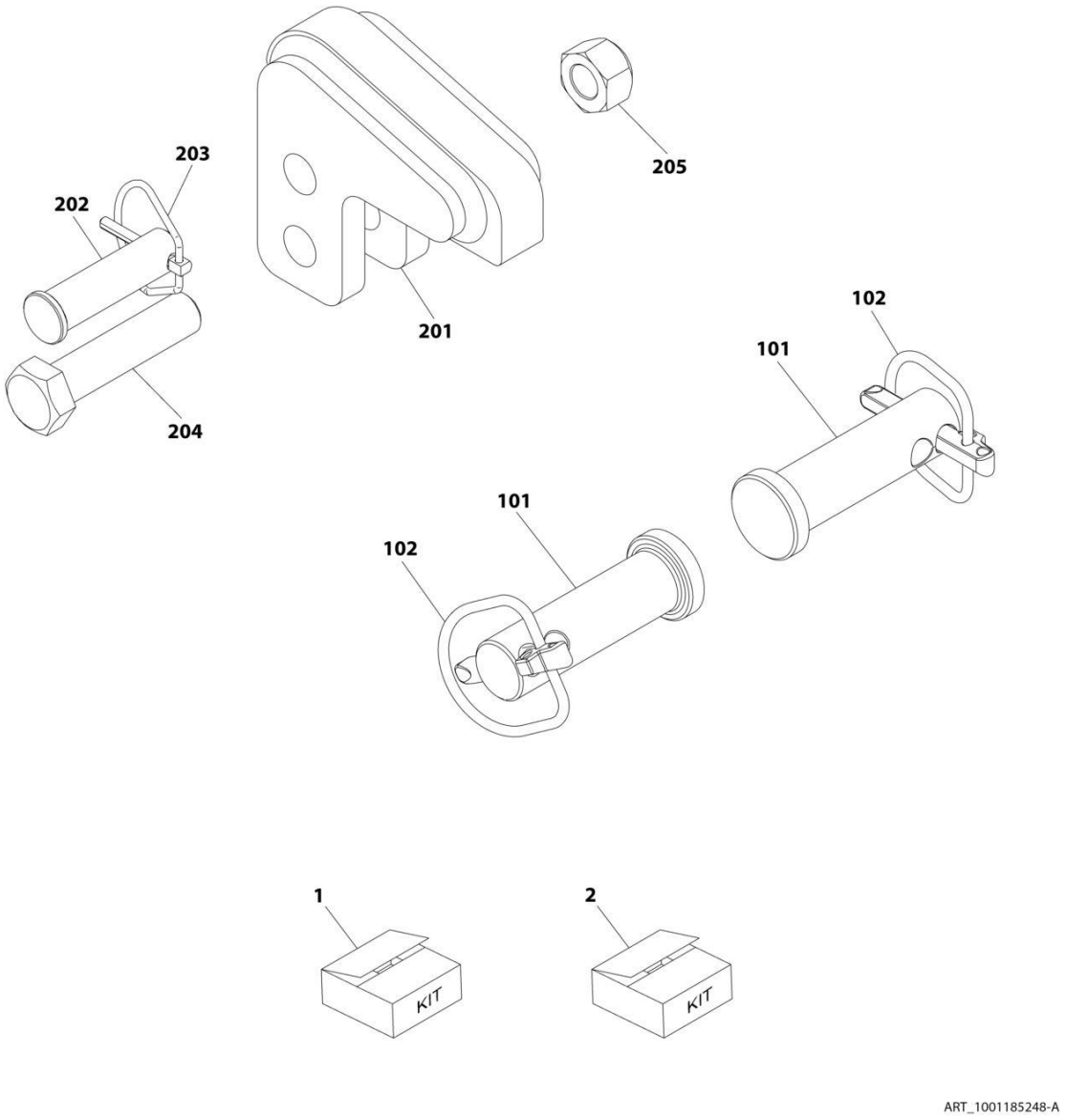


FIGURE 1-22. SLIDING HITCH ASSEMBLY (PITON)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185248	Ref	Sliding Hitch Assembly (Piton)	A
1	70027175	1	Kit, Pins (includes items 101 and 102)	
2	70027174	1	Kit, Keeper (includes items 201 thru 205)	
101	Kit	2	Pin	
102	Kit	2	Pin, Safety	
201	Kit	1	Keeper	
202	Kit	1	Pin	
203	Kit	1	Pin, Safety	
204	Kit	1	Bolt, M20X95	
205	Kit	1	Nut	

FIGURE 1-23. HITCH INSTALLATION (EEC MANUAL)

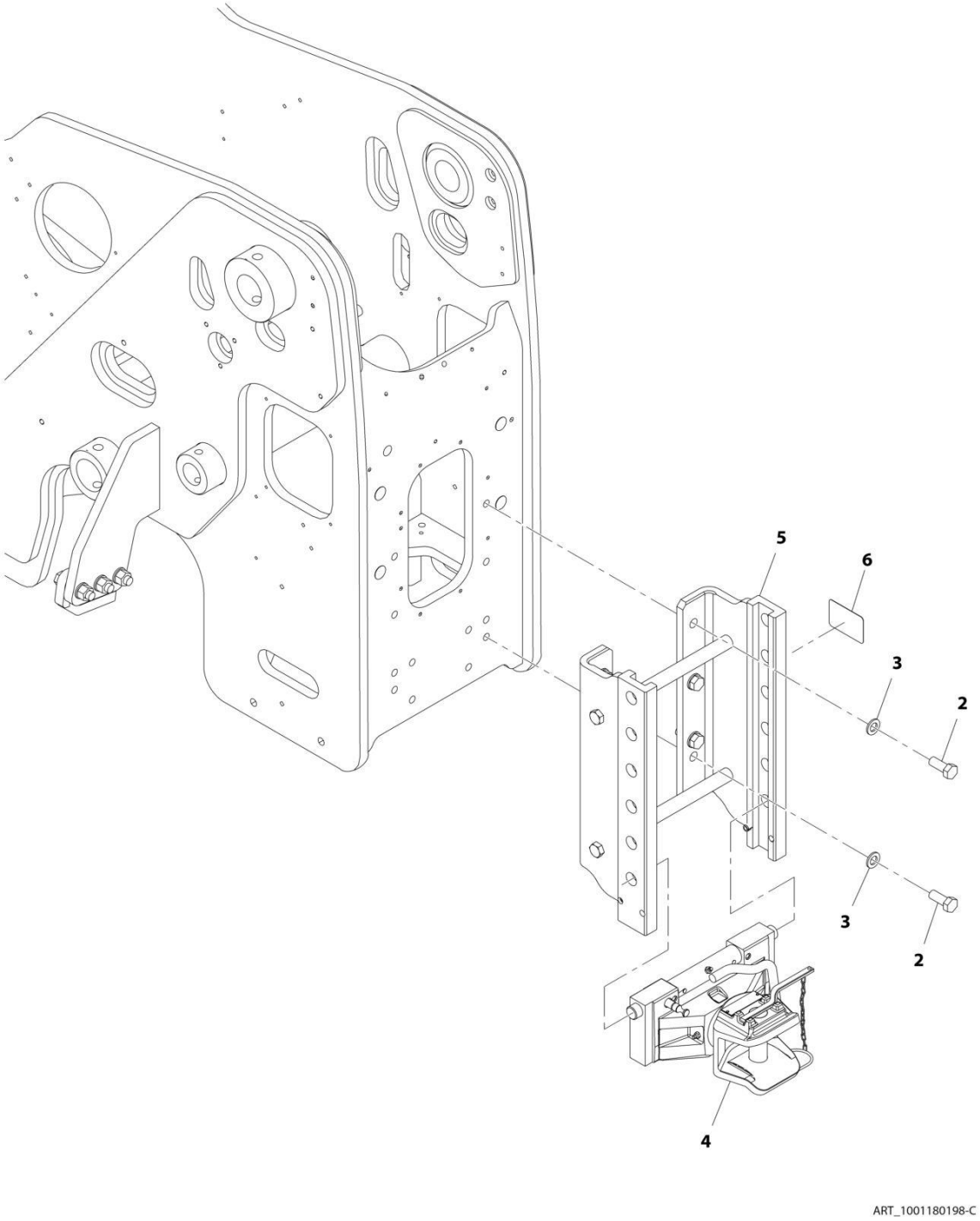


FIGURE 1-23. HITCH INSTALLATION (EEC MANUAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180198	Ref	Hitch Installation (EEC Manual)	C
2	0701616	8	Bolt, M16X40	
3	4812300	8	Washer, M16	
4	1001098630	1	Assembly, Hitch (EEC Manual) (See Separate Breakdown in this Section)	
5	1001183274	1	Hitch, Sliding Towing Bracket	
6	1001241674	1	Decal, Retrieval Point	

FIGURE 1-24. HITCH ASSEMBLY (EEC MANUAL)

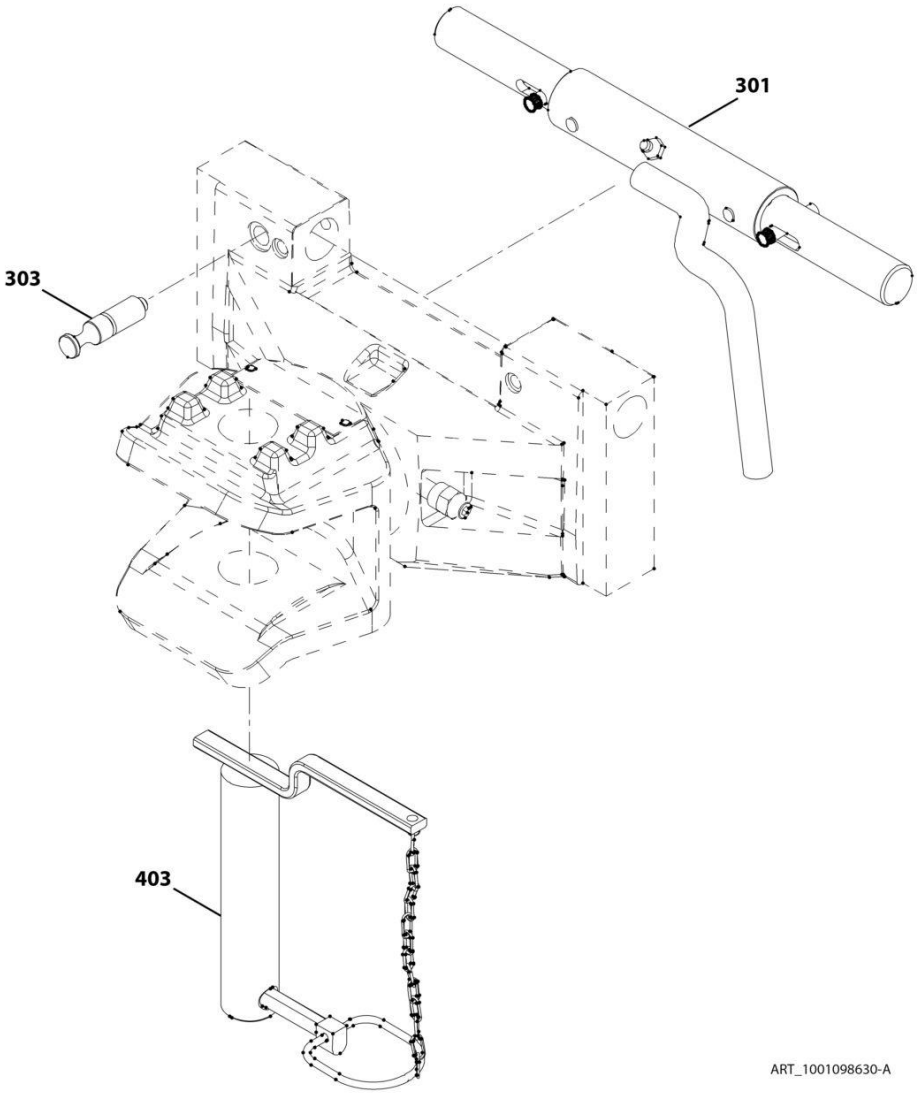


FIGURE 1-24. HITCH ASSEMBLY (EEC MANUAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098630	Ref	Hitch Assembly (EEC Manual)	A
301	70022821	1	Lever, Opening	
303	70022823	1	Pivot, Security	
403	70022826	1	Pin	

FIGURE 1-25. HITCH INSTALLATION (FIXED)

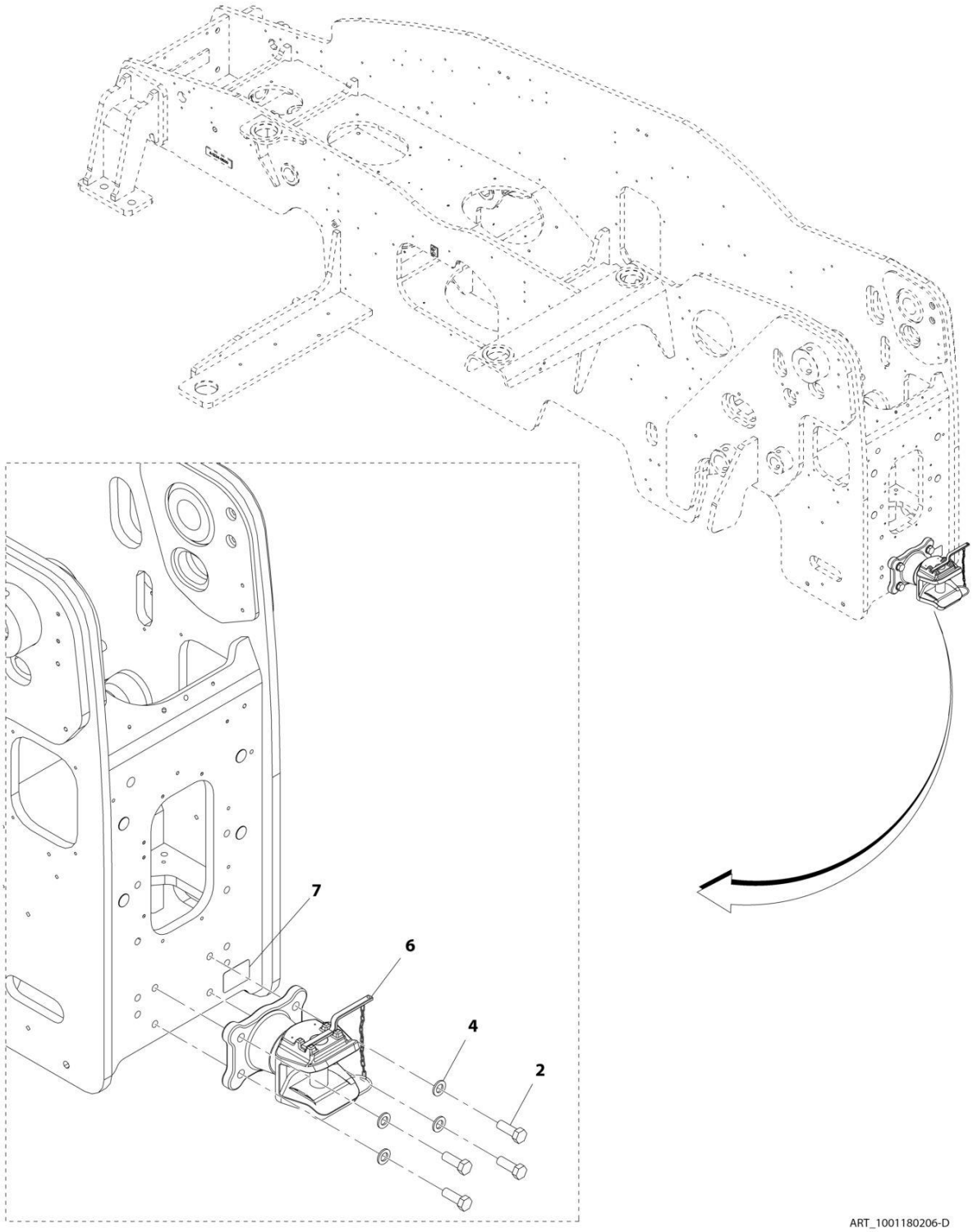


FIGURE 1-25. HITCH INSTALLATION (FIXED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180206	Ref	Hitch Installation (Fixed)	D
2	0701617	4	Bolt, M16X45	
4	4812300	4	Washer, M16	
6	1001110849	1	Assembly, Hitch (Fixed) (See Separate Breakdown in this Section)	
7	1001241674	1	Decal, Retrieval Point	

FIGURE 1-26. HITCH ASSEMBLY (FIXED)

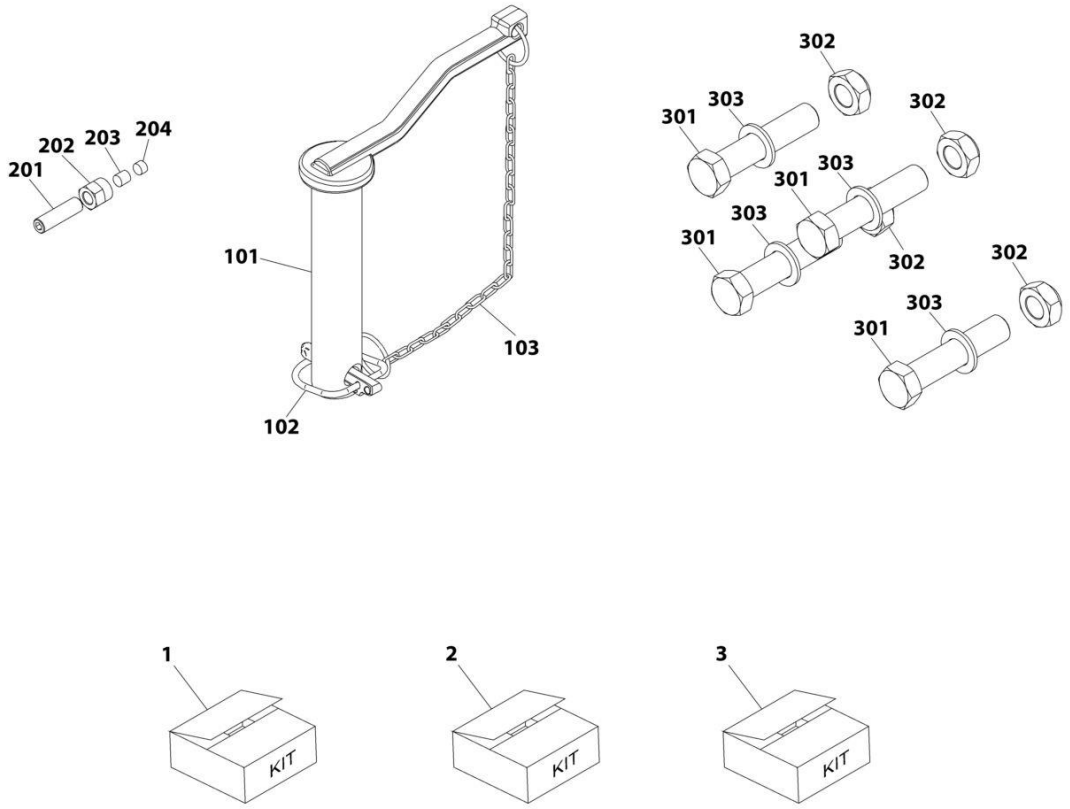


FIGURE 1-26. HITCH ASSEMBLY (FIXED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001110849	Ref	Hitch Assembly (Fixed)	B
1	70027178	1	Kit, Towing Pin (includes items 101 thru 103)	
2	70027176	1	Kit, Friction (includes items 201 thru 204)	
3	70027177	1	Kit, Screws (includes items 301 thru 303)	
101	Kit	1	Pin	
102	Kit	1	Chain, Safety	
103	Kit	1	Pin, Safety	
201	Kit	1	Screw, M16X80	
202	Kit	1	Nut, M10	
203	Kit	1	Insert	
204	Kit	1	Insert	
301	Kit	4	Screw, M16X80	
302	Kit	4	Nut, M16	
303	Kit	4	Washer	

FIGURE 1-27. HITCH INSTALLATION (HYDRAULIC)

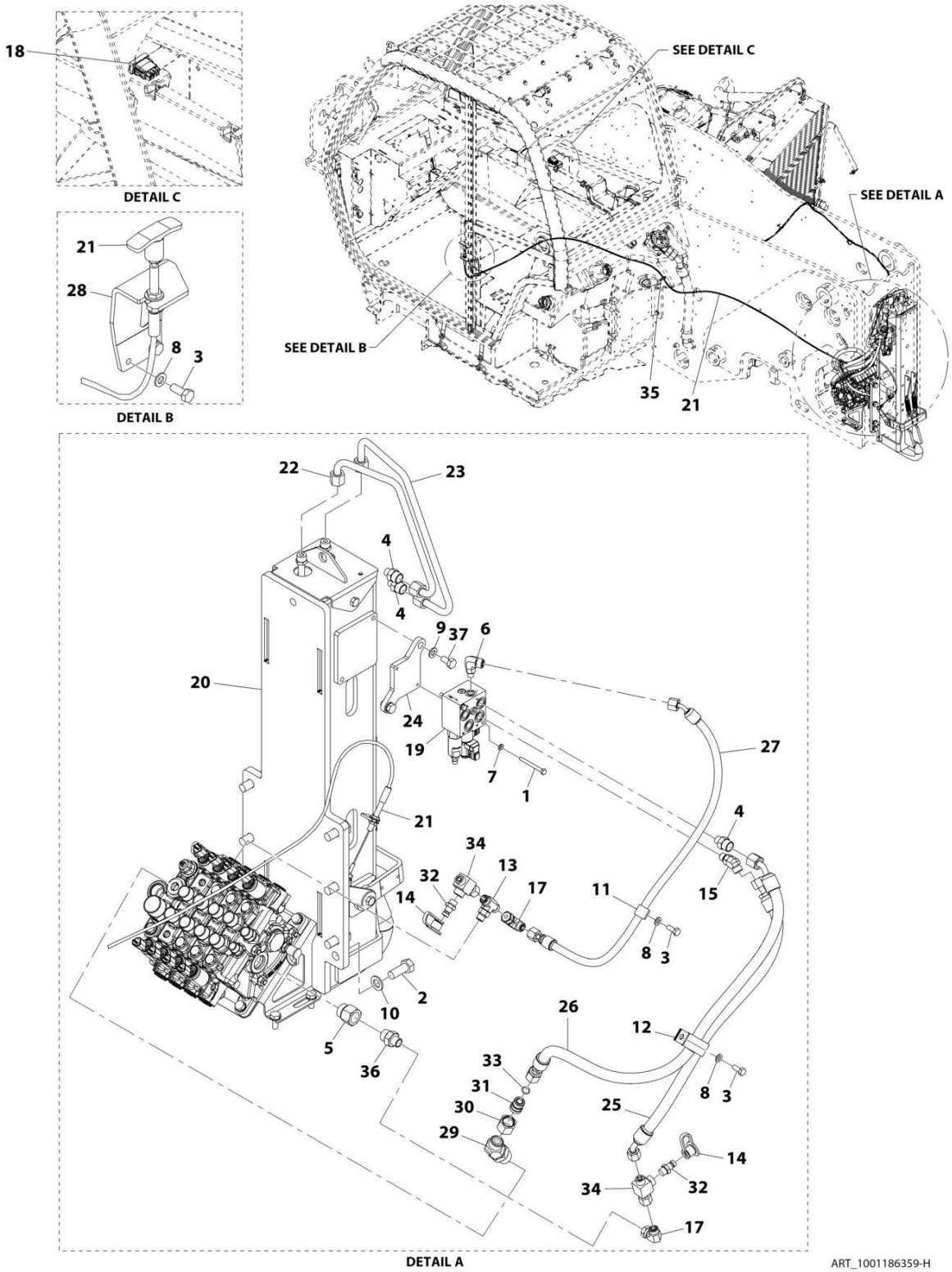


FIGURE 1-27. HITCH INSTALLATION (HYDRAULIC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186359	Ref	Hitch Installation (Hydraulic)	H
1	0700620	2	Bolt, M6X60	
2	0711616	8	Bolt, M16X40 Grade 10.9	
3	0760810	4	Bolt, M8X20	
4	2110806	3	Fitting, Straight ORFS	
5	8760550	1	Fitting, Tee	
6	2130604	1	Fitting, 90 ORFS	
7	4811700	2	Washer, M6	
8	4811900	4	Washer, M8	
9	4812000	2	Washer, M10	
10	4812300	8	Washer, M16	
11	1001009207	1	Clip	
12	1001008720	1	Clip	
13	2170406	1	Fitting, Tee ORFS	
14	1001008761	2	Dust Cap	
15	2150606	1	Fitting, 45 ORFS	
17	2172106	2	Fitting, 90 ORFS	
18	1001198836	1	Switch, Hitch Up/Down	
19	1001226722	Ref	Valve, Hydraulic Hitch Control (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
20	1001182763	1	Hitch, Hydraulic	
21	1001186392	1	Cable, Hitch Release	
22	1001204374	1	Pipe	
23	1001204375	1	Pipe	
24	1001188413	1	Plate	
25	1001204518	1	Hose, ORFS	
26	1001206557	1	Hose, ORFS	
27	1001206558	1	Hose, ORFS	
28	1001188722	1	Bracket, Hitch	
29	2151012	1	Fitting, 45 ORFS	
30	8770143	1	Nut. ORFS	
31	1001032853	1	Reducer, ORFS	
32	1001003590	2	Fitting, Straight	
33	1001008805	1	Seal	
34	1001033119	2	Adapter, ORFS	
35	1001146588	1	Tie Strap	
36	2110610	1	Fitting, Straight	
37	0761010	2	Bolt, M10X20	

FIGURE 1-28. CAB PLUG INSTALLATION (NON HYDRAULIC HITCH)

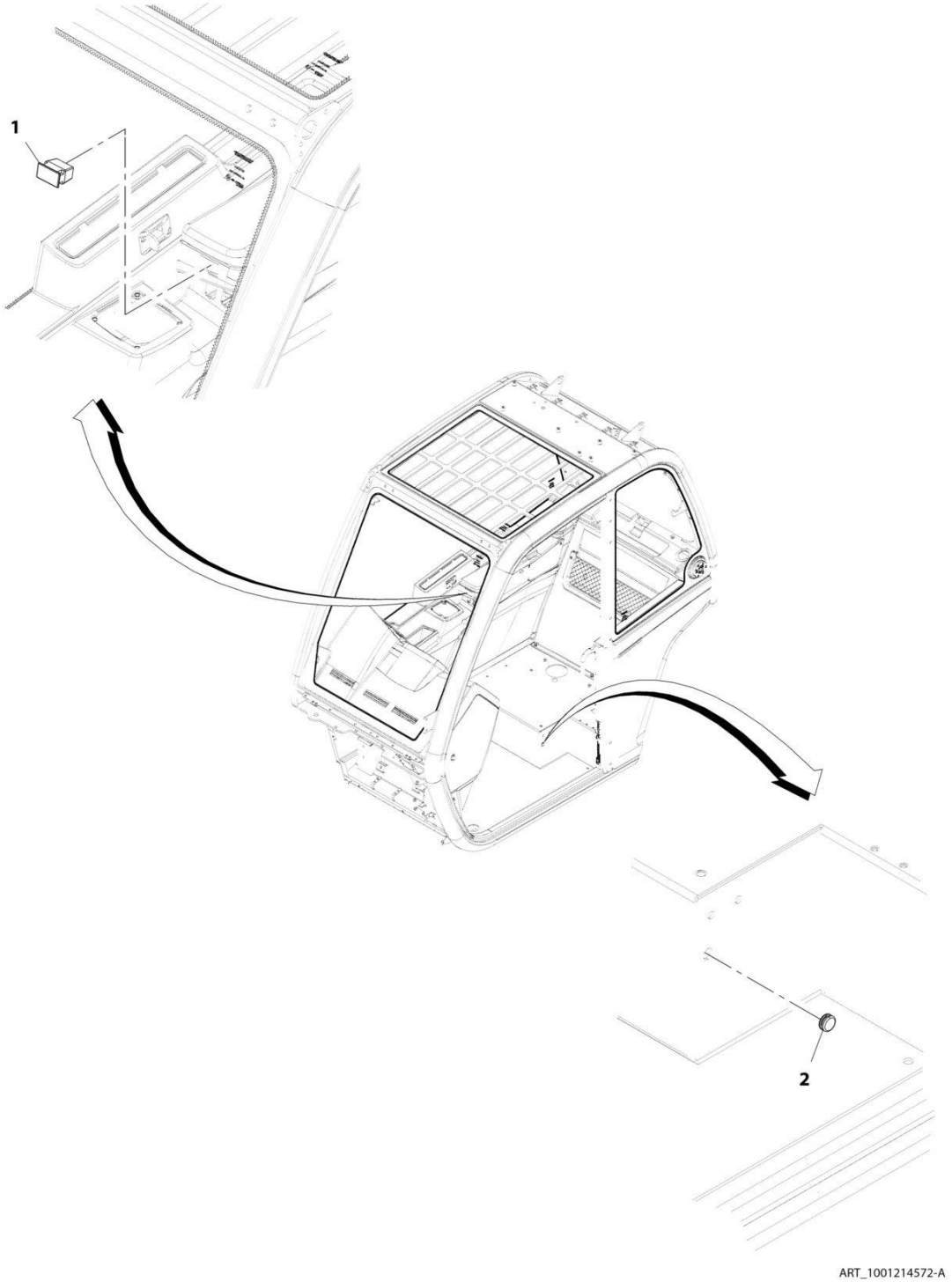


FIGURE 1-28. CAB PLUG INSTALLATION (NON HYDRAULIC HITCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214572	1	Cab Plug Installation (Non Hydraulic Hitch)	A
1	4360669	1	Cover, Switch	
2	1001176323	1	Plug	

FIGURE 1-29. MIRROR INSTALLATION

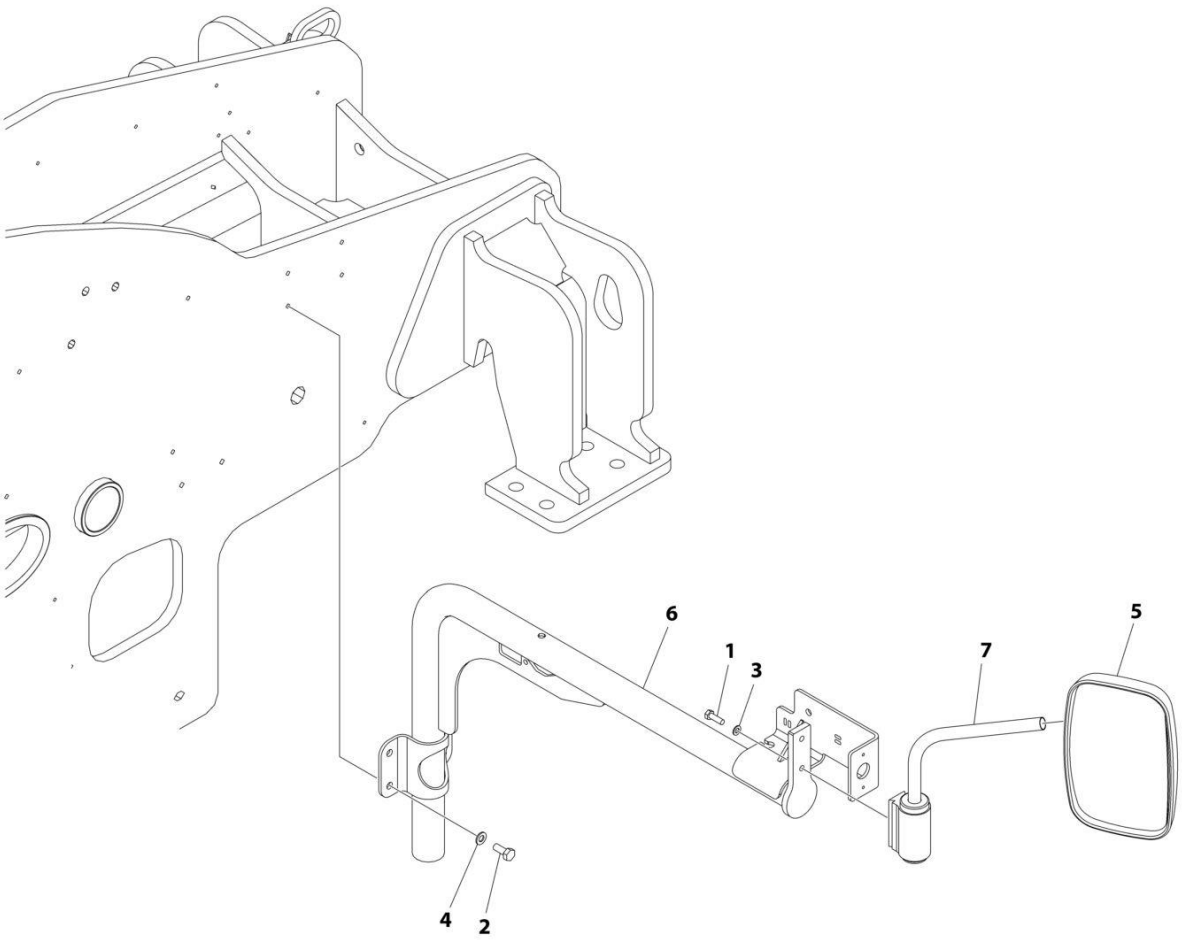


FIGURE 1-29. MIRROR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269628	Ref	MIRROR INSTALLATION	A
1	0760812	2	Bolt M8 x 25	
2	0761012	4	Bolt M10 x 25	
3	4811900	2	Washer M8	
4	4812000	4	Washer M10	
5	1001005981	1	Mirror	
6	1001265395	1	Bracket	
7	1001269627	1	Bracket	

FIGURE 1-30. REAR MIRROR INSTALLATION (FLAT)

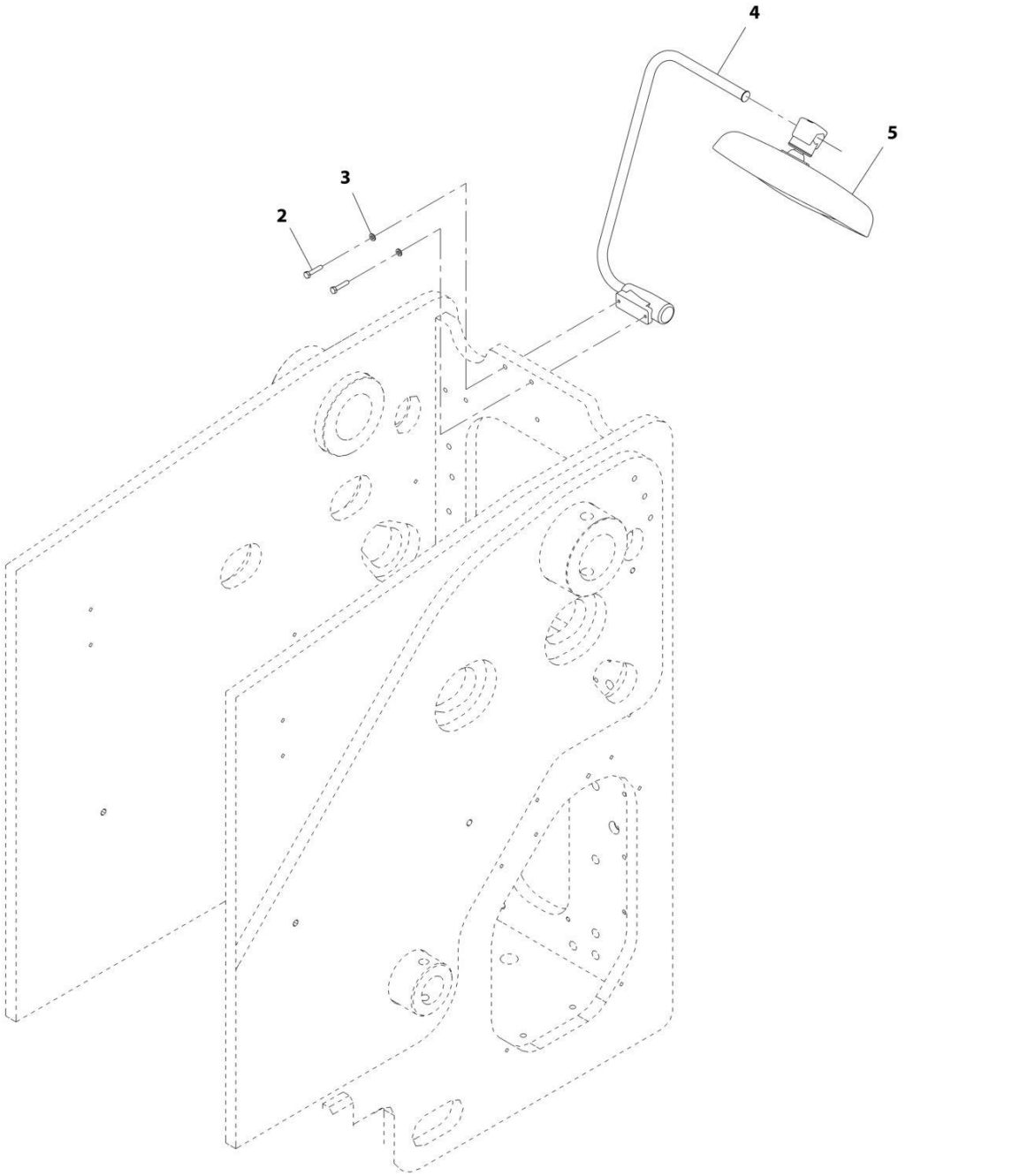


FIGURE 1-30. REAR MIRROR INSTALLATION (FLAT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186395	Ref	REAR MIRROR INSTALLATION (FLAT)	B
2	0700614	2	Bolt M6 x 30	
3	4811700	2	Washer M6	
4	1001005980	1	Arm	
5	1001005981	1	Assembly, Mirror	

FIGURE 1-31. REAR MIRROR INSTALLATION (CONVEX)

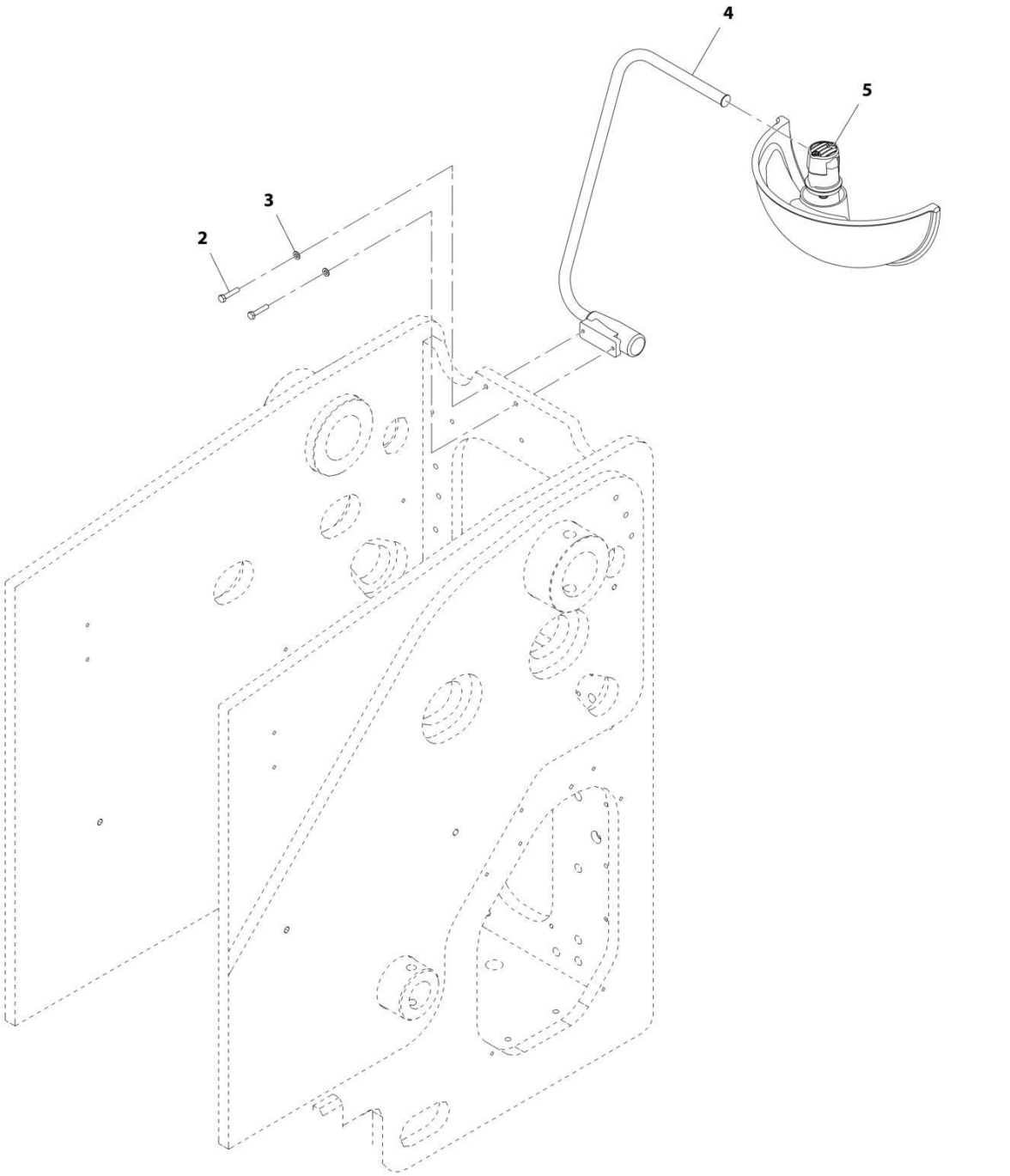
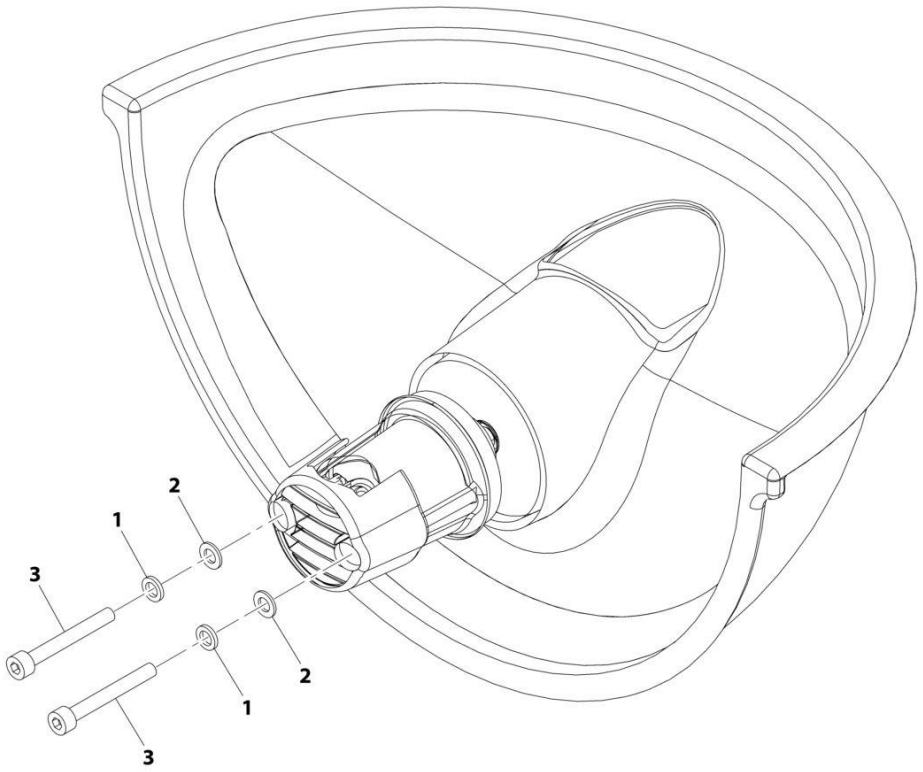


FIGURE 1-31. REAR MIRROR INSTALLATION (CONVEX)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186439	Ref	Hitch Mirror Installation (Fish Eye)	B
2	0700614	2	Bolt, M6X30	
3	4811700	2	Washer, M6	
4	1001005980	1	Arm	
5	1001008436	1	Assembly, Mirror (Convex) (See Separate Breakdown in this Section)	

FIGURE 1-32. MIRROR ASSEMBLY (CONVEX)

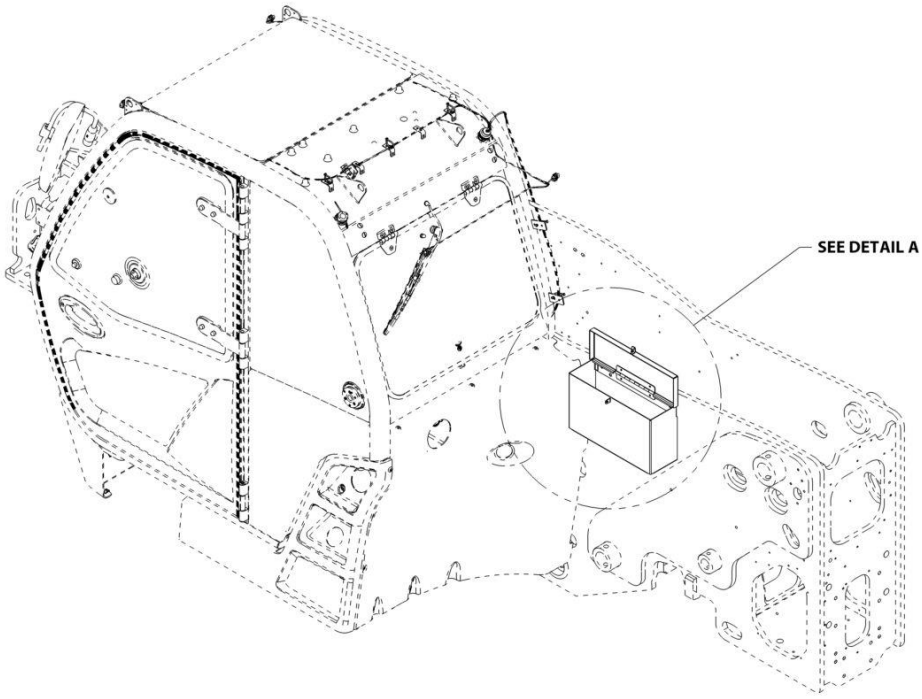


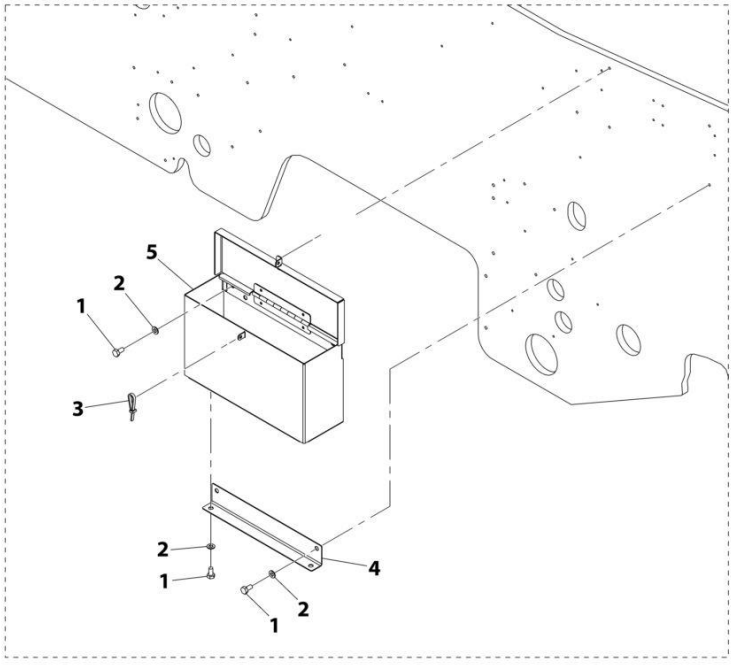
ART_1001008436-D

FIGURE 1-32. MIRROR ASSEMBLY (CONVEX)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001008436	Ref	Mirror Assembly (Convex)	D
1	1001008475	2	Washer, Lock	
2	1001009062	2	Washer	
3	1001010838	2	Bolt	

FIGURE 1-33. TOOLBOX INSTALLATION





DETAIL A

ART_1001225619-A

FIGURE 1-33. TOOLBOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225619	Ref	Toolbox Installation	A
1	0761010	6	Bolt, M10X20	
2	4812000	6	Washer, M10	
3	1001008559	1	Strap	
4	1001178729	1	Bracket	
5	1001192836	1	Box	

FIGURE 1-34. GROUND STRAP INSTALLATION

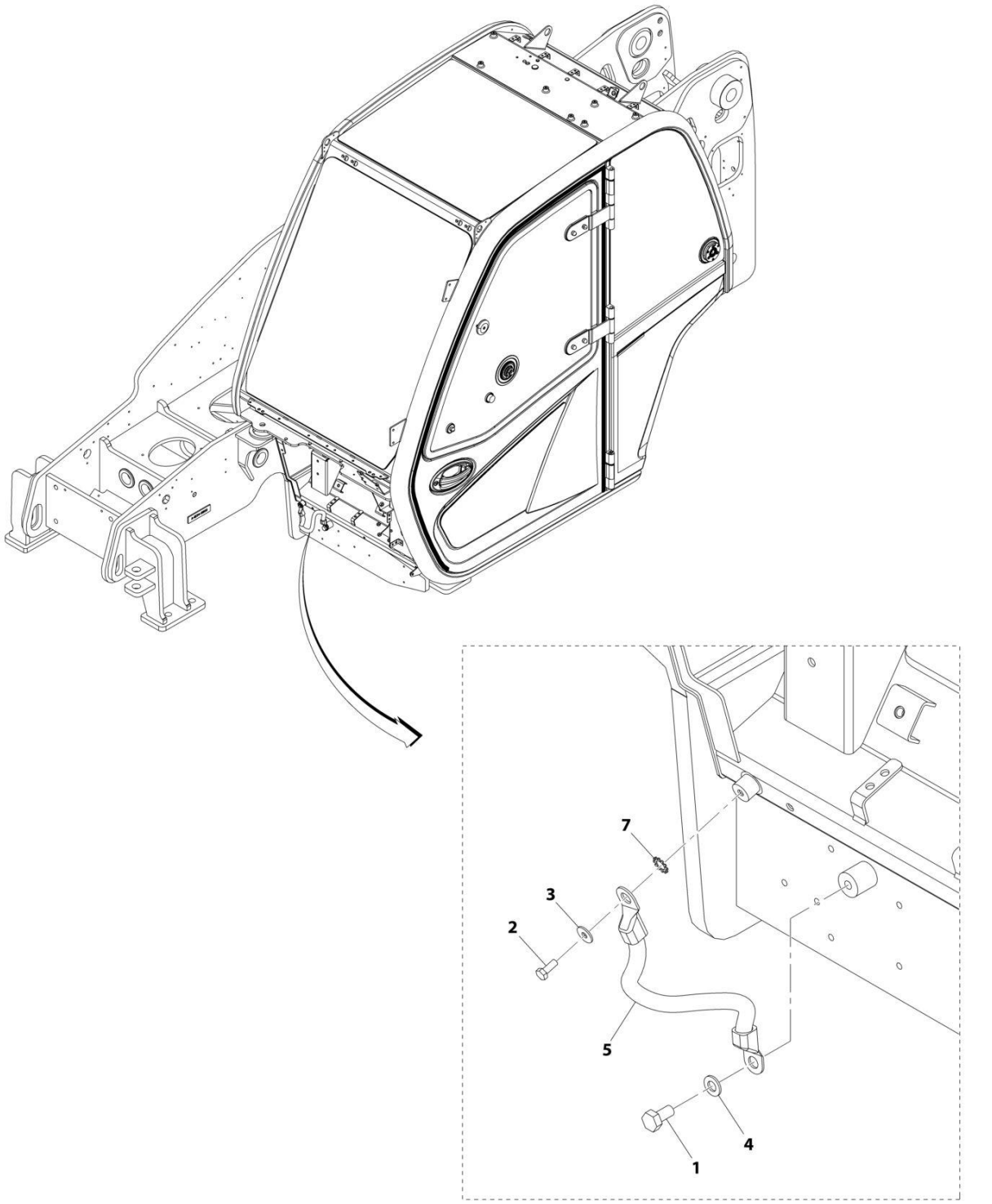


FIGURE 1-34. GROUND STRAP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186646	Ref	Earth Strap Installation	D
1	0761010	1	Bolt, M10X20	
2	0760608	1	Bolt, M6X16	
3	4811702	1	Washer, M6	
4	4812000	1	Washer, M10	
5	1001009038	1	Strap, Earth	
7	4872000	1	Washer, M10	

SECTION 2 - BOOM

FIGURE 2-1. BOOM PINNING INSTALLATION

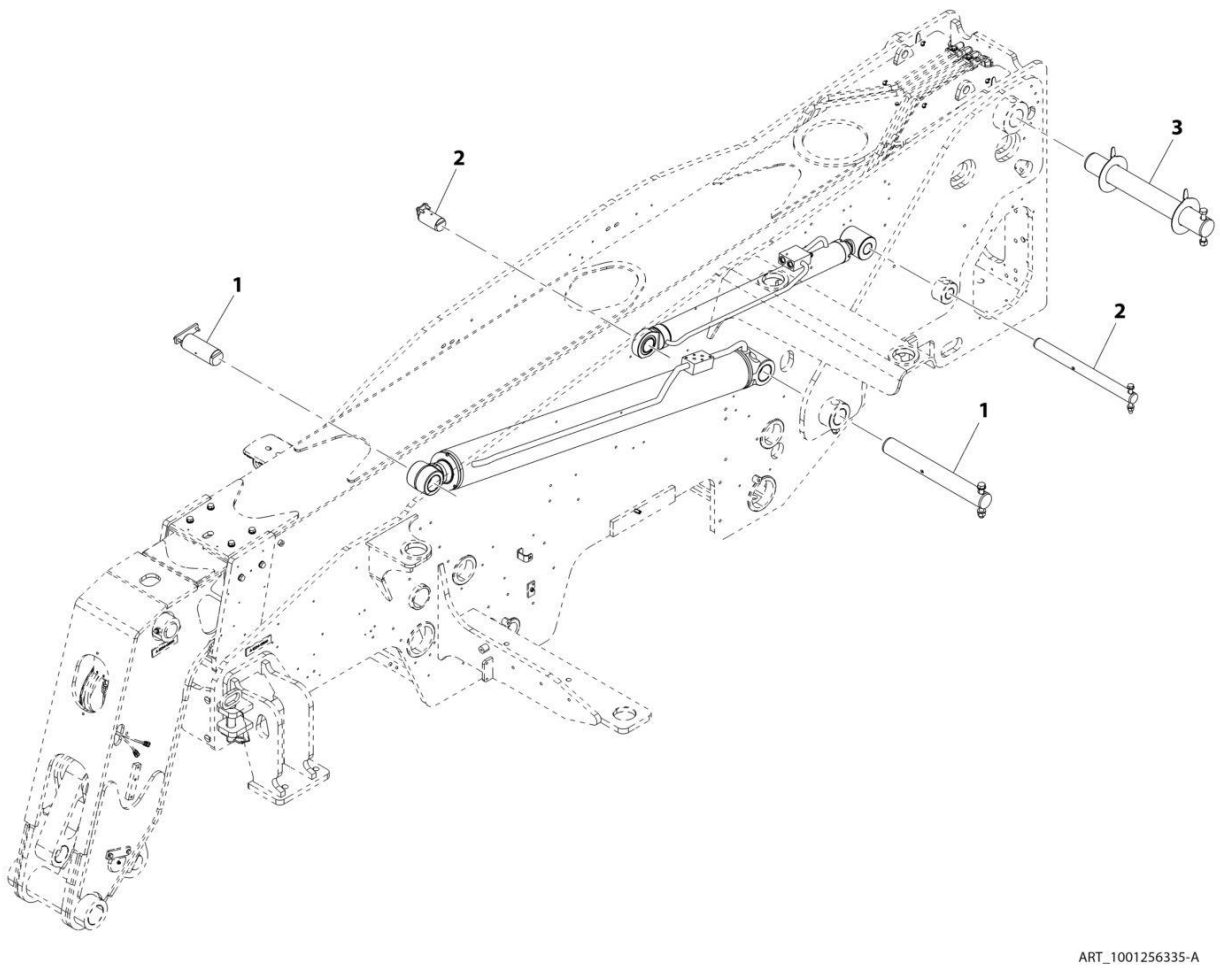


FIGURE 2-1. BOOM PINNING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256335	Ref	Boom Pinning Installation	A
1	1001256336	1	Installation, Lift Cylinder Pinning (See Separate Breakdown in this Section)	
2	1001256337	1	Installation, Compensation Cylinder Pinning (See Separate Breakdown in this Section)	
3	1001256338	1	Installation, Boom Pivot (See Separate Breakdown in this Section)	

FIGURE 2-2. LIFT CYLINDER PINNING INSTALLATION

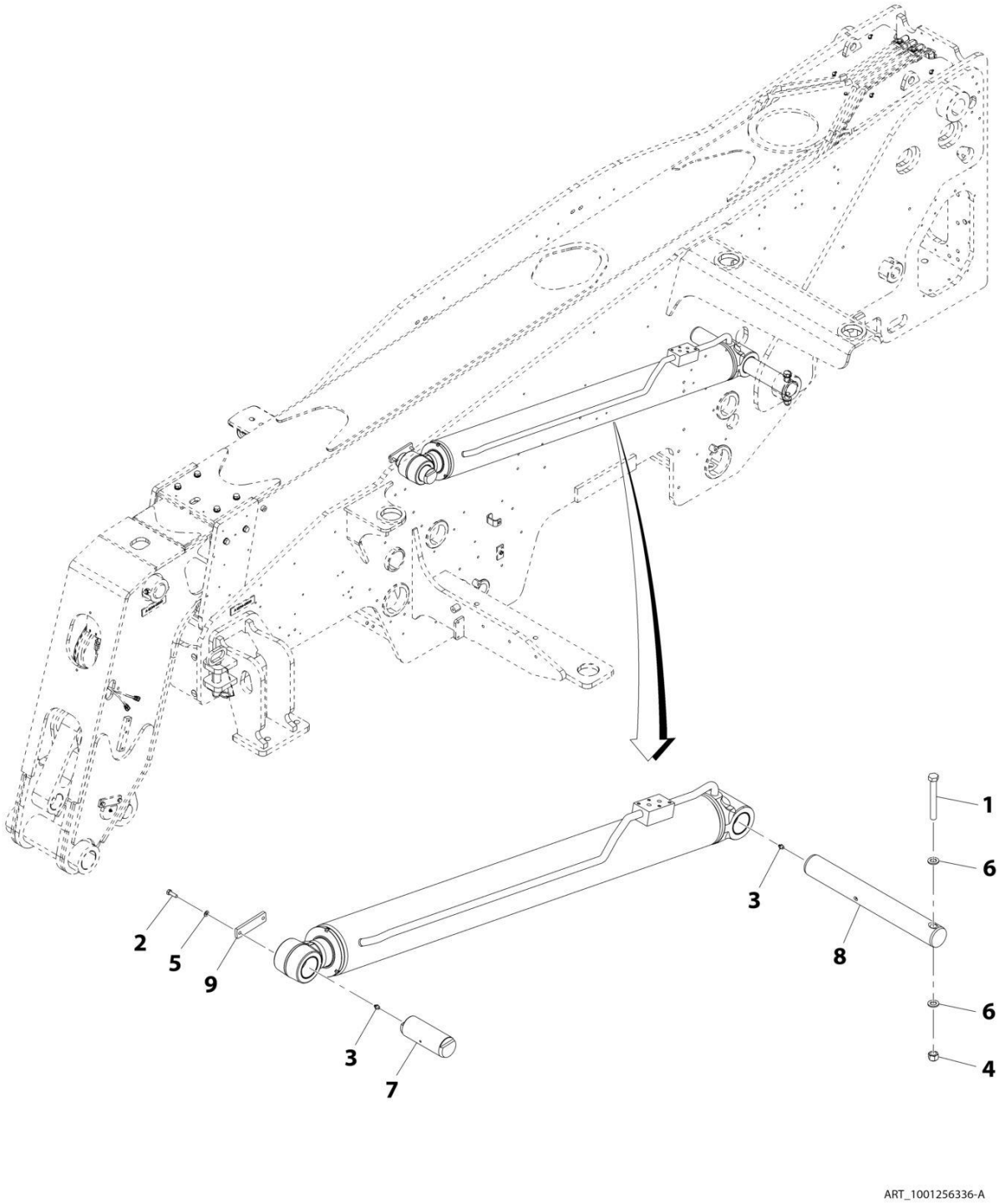


FIGURE 2-2. LIFT CYLINDER PINNING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256336	Ref	Lift Cylinder Pinning Installation	A
1	0701630	1	Bolt, M16X130	
2	0760812	2	Bolt, M8X25	
3	2160016	2	Fitting, Grease	
4	3291605	1	Nut, Lock M16X2 Grade 8	
5	4811900	2	Washer, M8	
6	4812300	2	Washer, M16	
7	1001175898	1	Pin	
8	1001183460	1	Pin	
9	1001191621	1	Plate	

FIGURE 2-3. COMPENSATION CYLINDER PINNING INSTALLATION

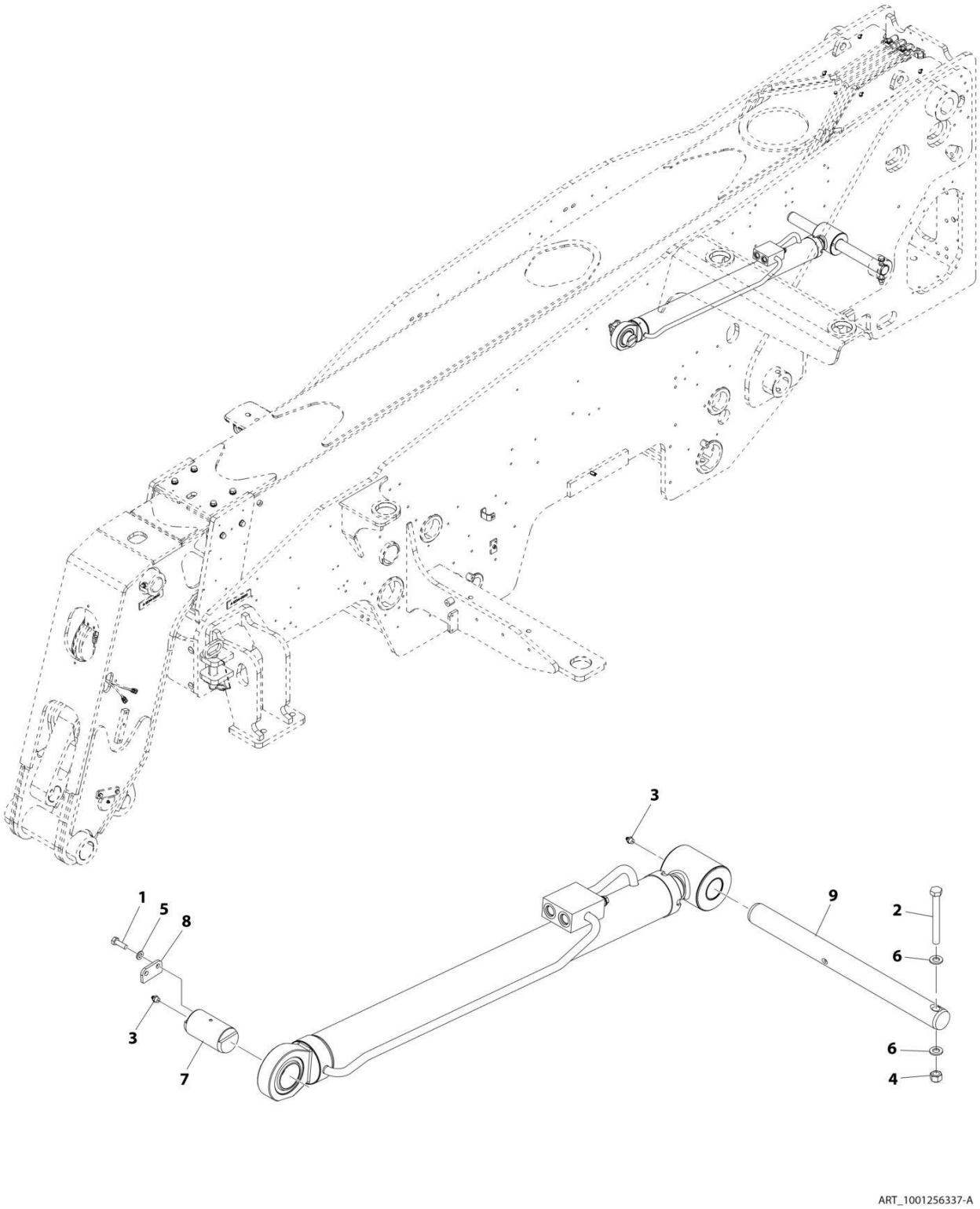


FIGURE 2-3. COMPENSATION CYLINDER PINNING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256337	Ref	Compensation Cylinder Pinning Installation	A
1	0760812	2	Bolt, M8X25	
2	0761228	1	Bolt, M12X110	
3	2160016	2	Fitting, Grease	
4	3291205	1	Nut, Lock M12X1.75 Grade 8	
5	4811900	2	Washer, M8	
6	4812100	2	Washer, M12	
7	1001175754	1	Pin	
8	1001176942	1	Bracket	
9	1001183461	1	Pin	

FIGURE 2-4. BOOM PIVOT INSTALLATION

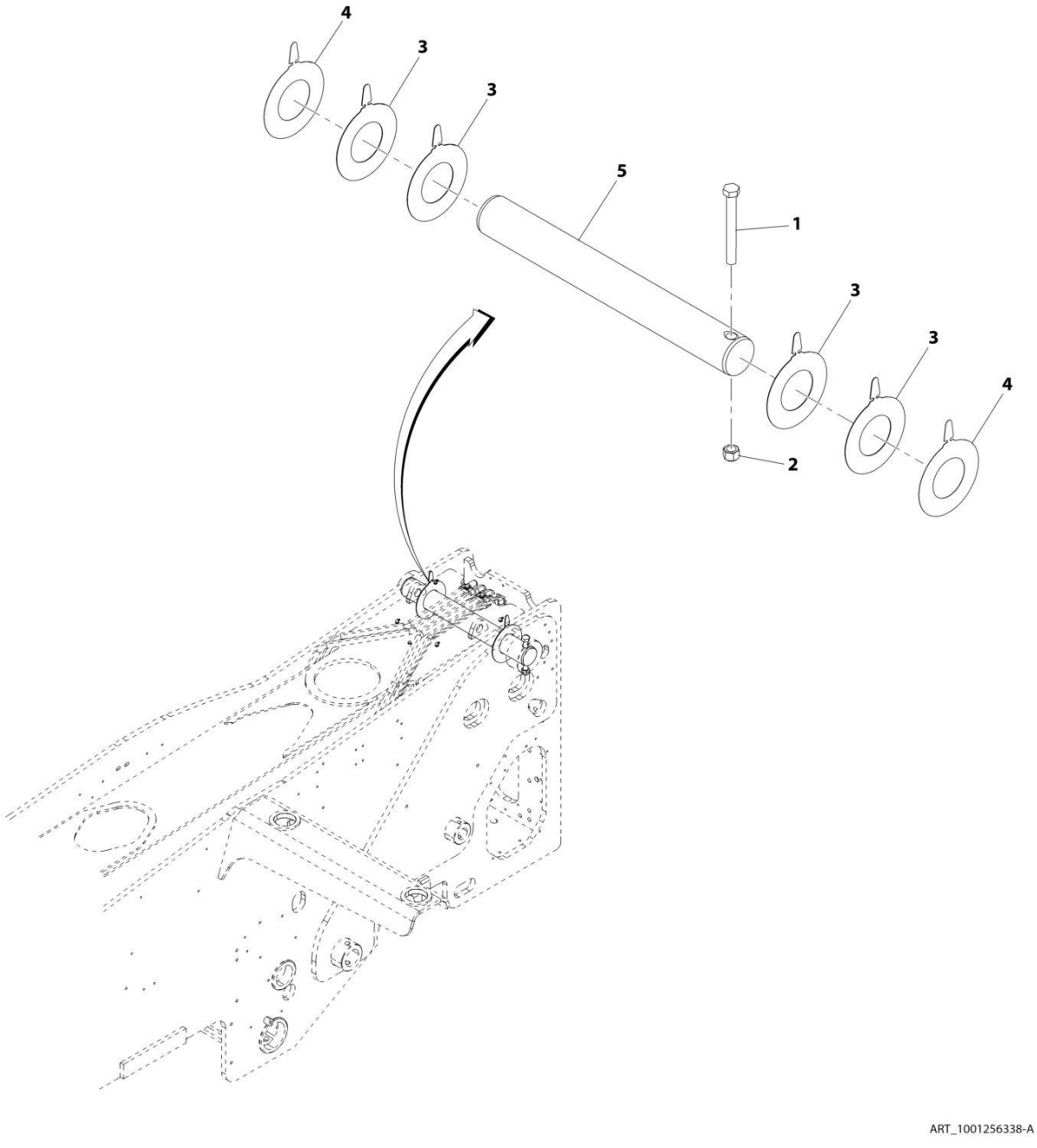


FIGURE 2-4. BOOM PIVOT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256338	Ref	Boom Pivot Installation	A
1	0711631	1	Bolt, M16X140	
2	3291605	1	Nut, Lock M16X2	
3	1001169048	AR	Shim, 1MM	
4	1001169049	AR	Shim, 0.5MM	
5	1001175225	1	Pin	

FIGURE 2-5. BOOM ASSEMBLY

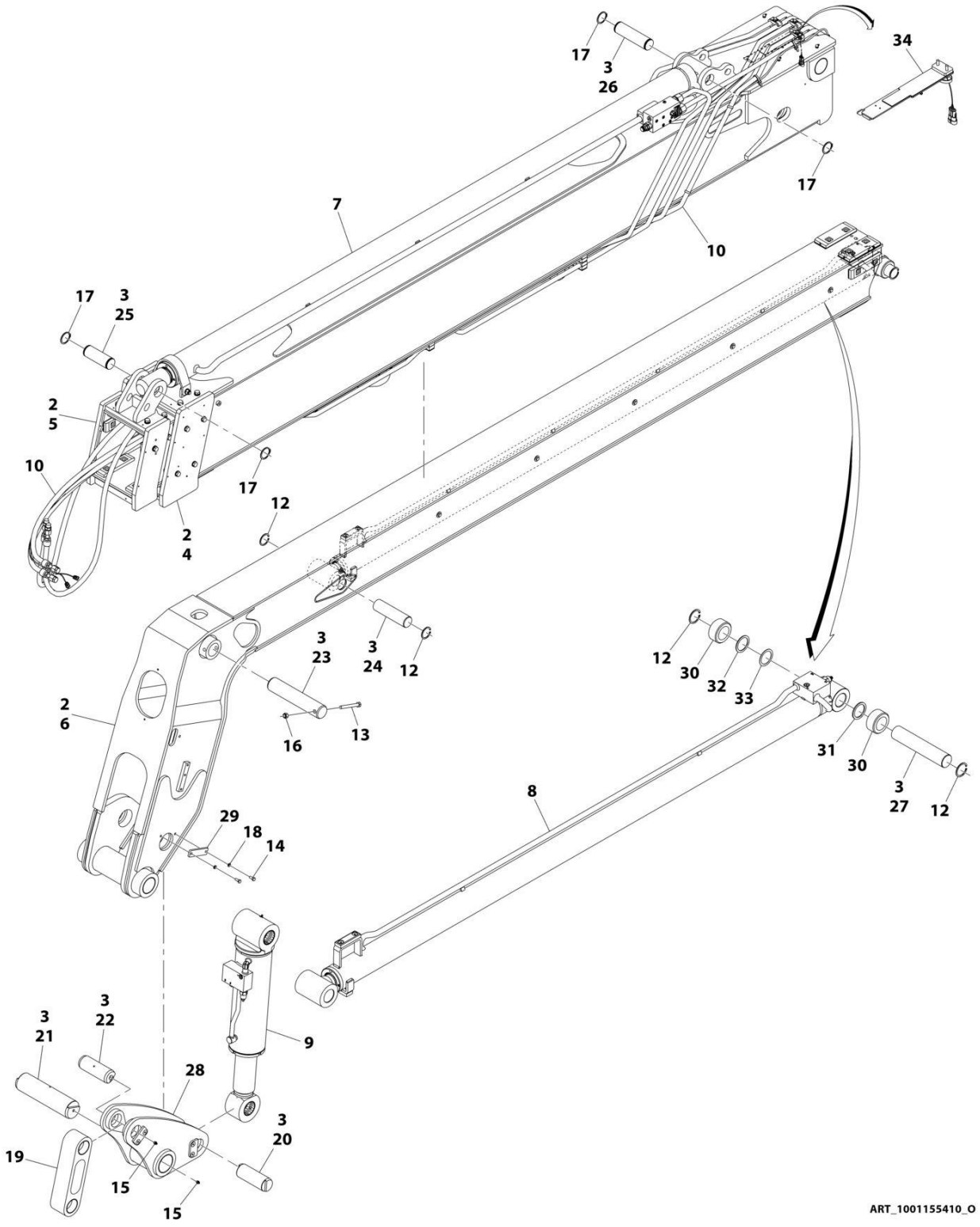


FIGURE 2-5. BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155410	Ref	Boom Assembly (JLG)	O
2	1001098457	AR	Lube, Lithium Grease	
3	3020040	AR	Lubricant, Moly Paste	
4	1001153862	1	Assembly, First Boom Section (JLG) (See Separate Breakdown in this Section)	
5	1001153863	1	Assembly, Second Boom Section (See Separate Breakdown in this Section)	
6	1001153864	1	Assembly, Third Boom Section (See Separate Breakdown in this Section)	
7	1001203313	1	Assembly, Outer Extend/Retract Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
8	1001175020	1	Cylinder, Inner Extend/Retract (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
9	1001276694	1	Assembly, Tilt Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	1001197212	Ref	Installation, Boom Hydraulic (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
12	314689	4	Retaining, Ring	
13	0711228	1	Bolt, M12X110 Grade 10.9	
14	0760810	2	Bolt, M8X20	
15	2160016	2	Fitting, Grease	
16	3291205	1	Nut, Lock M12X1.75 Grade 8	
17	3760493	4	Ring, Retaining	
18	4831900	2	Washer, Lock M8	
19	1001096870	1	Assembly, Link (See Separate Breakdown in this Section)	
20	1001175746	1	Pin, Tilt	
21	1001175747	1	Pin, Tilt Lower	
22	1001175749	1	Pin, Tilt Link	
23	1001175751	1	Pin, Tilt	
24	1001175753	1	Pin	
25	1001176426	1	Pin	
26	1001176437	1	Pin	
27	1001176439	1	Pin	
28	1001176407	1	Assembly, Lever (See Separate Breakdown in this Section)	
29	1001191621	1	Plate	
30	1001177670	2	Tube, Spacer	
31	1001155958	AR	Shim, M3	
32	1001155959	AR	Shim, M2	
33	1001155960	AR	Shim, M1	
34	1001184856	Ref	Installation, Boom Retract Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-6. FIRST BOOM SECTION ASSEMBLY

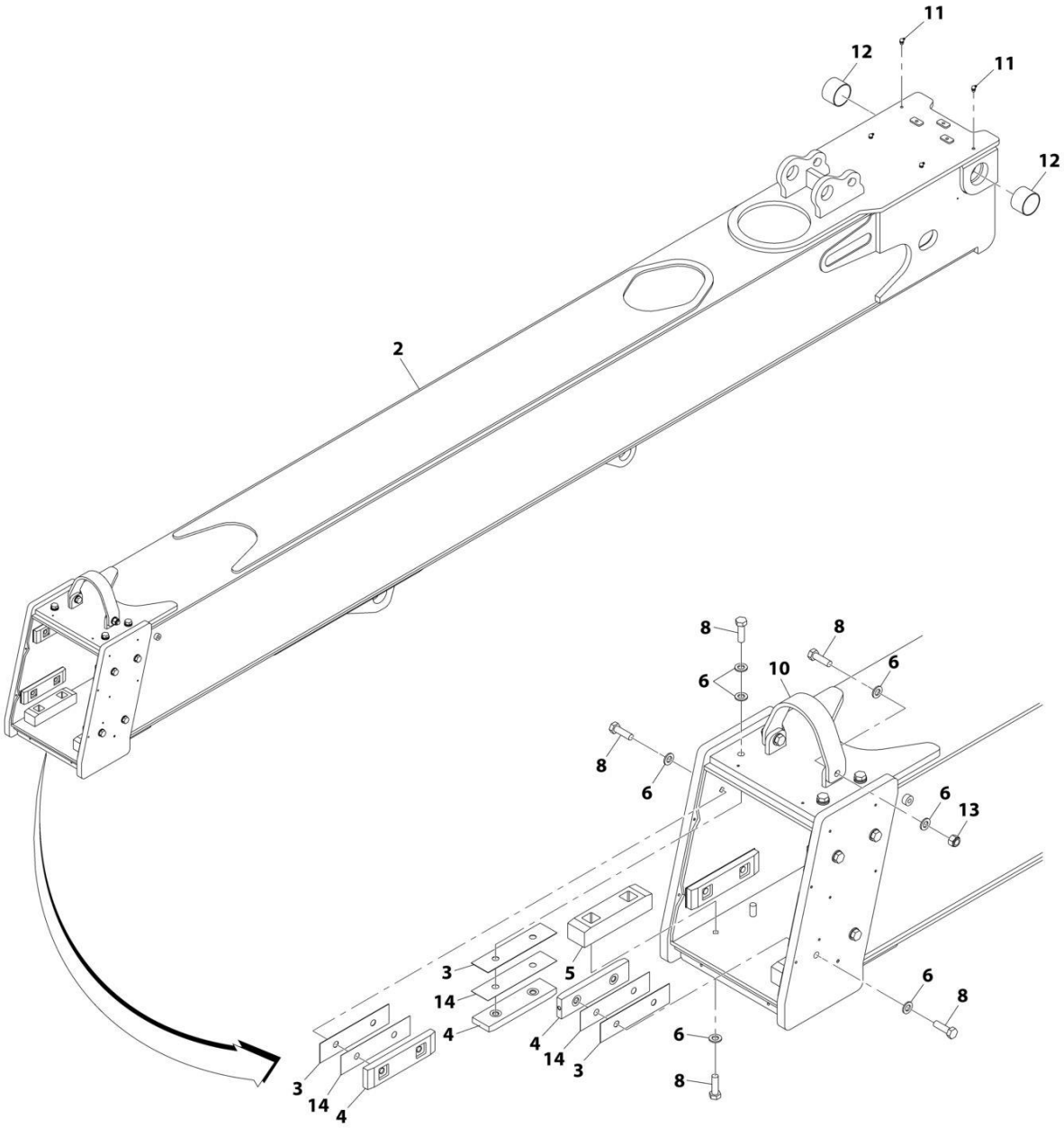


FIGURE 2-6. FIRST BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153862	Ref	First Boom Section Assembly	I
2	1001172321J	1	Boom, First	
3	1001147731	AR	Shim, M1X45X185	
4	1001147657	6	Pad, M15X45X181	
5	1001175853	2	Pad, M38X45X181	
6	1001125117	AR	Washer, M12	
8	0711216	18	Bolt, M12X40, Grade 10.9	
10	1001200696	1	Strap	
11	2160018	4	Fitting, Grease	
12	1001090150	2	Bearing	
13	3291205	2	Nut M12X1.75 Grade 8	
14	1001154174	AR	Shim, M0.5X45X185	

FIGURE 2-7. SECOND BOOM SECTION ASSEMBLY

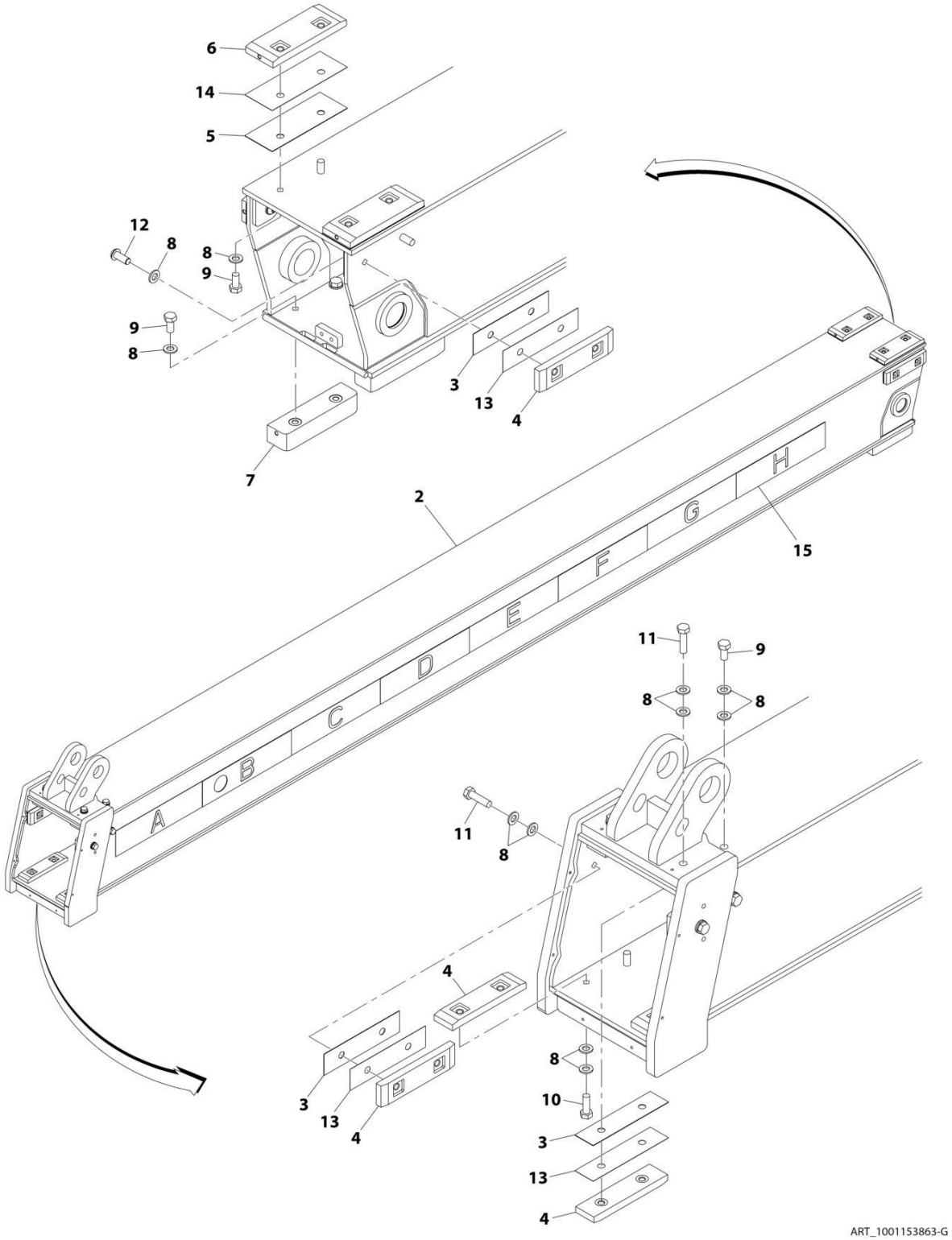


FIGURE 2-7. SECOND BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153863	Ref	Second Boom Section Assembly	H
2	1001172402	1	Boom, Second	
3	1001147731	AR	Shim, M1X45X185	
4	1001147657	8	Pad, M15X45X181	
5	1001148147	AR	Shim, M1X67.5X185	
6	1001148103	2	Pad, M15X67.5X181	
7	1001175911	2	Pad, M38X45X181	
8	1001125117	AR	Washer, M12	
9	0771212	16	Bolt, M12X25 Grade 10.9	
10	0711215	2	Bolt, M12X35 Grade 10.9	
11	0711217	4	Bolt, M12X45 Grade 10.9	
12	1001105260	2	Screw, M12X30	
13	1001154174	AR	Shim, M0.5X45X185	
14	1001154176	AR	Shim, M0.5X67.5X185	
15	1001227229	1	Decal, Boom	
16	1001163103	AR	Shime	

FIGURE 2-8. THIRD BOOM SECTION ASSEMBLY

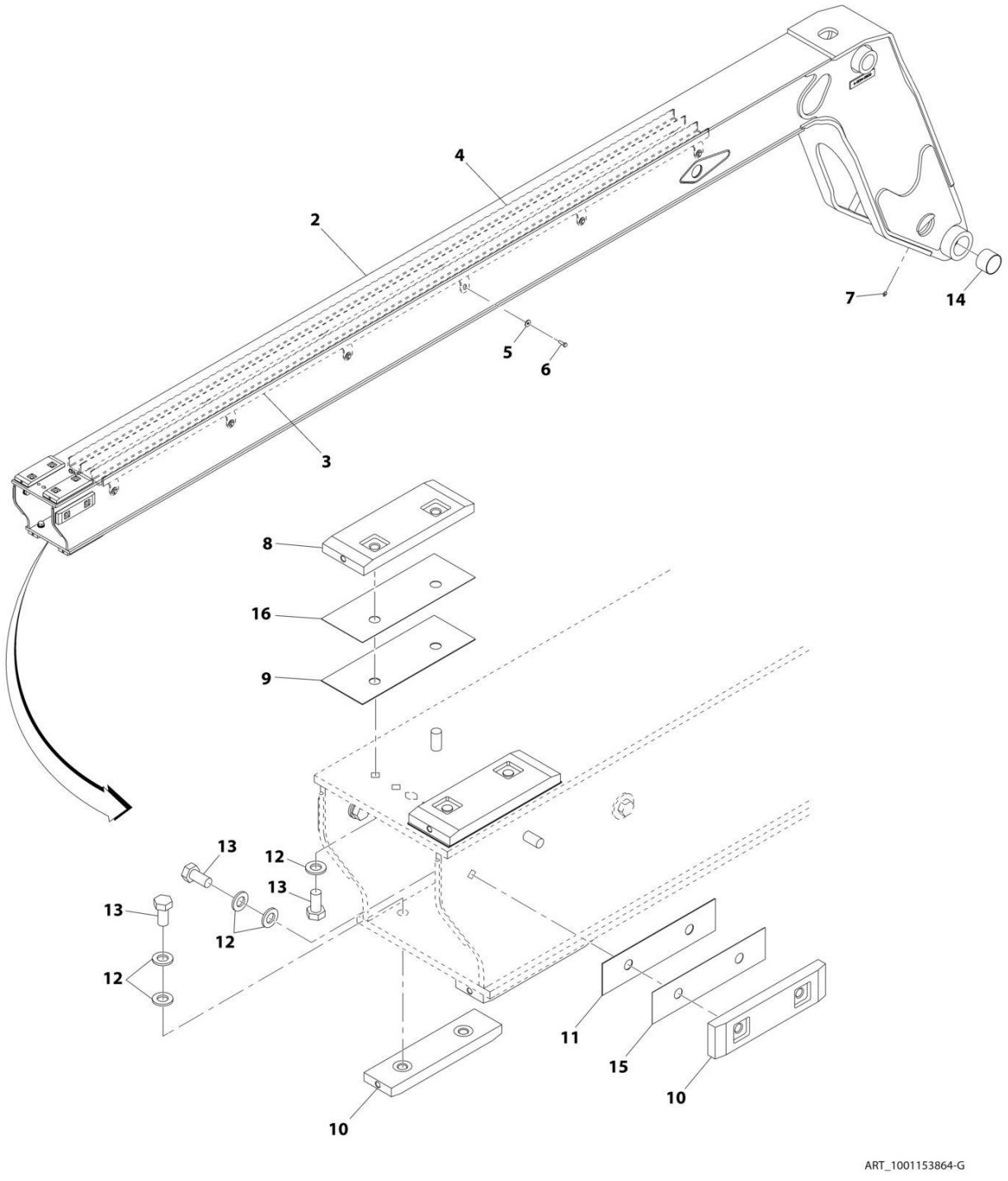


FIGURE 2-8. THIRD BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153864	Ref	Third Boom Section Assembly	G
2	1001172295	1	Boom, Third	
3	1001174557	1	Support, Hose	
4	1001175661	1	Support, Hose	
5	4811902	12	Washer, M8	
6	0760812	12	Bolt, M8X25	
7	2160016	1	Fitting, Grease	
8	1001148103	2	Pad, M15X67.5X181	
9	1001148147	AR	Shim, M1X67.5X185	
10	1001147657	4	Pad, M15X45X181	
11	1001147731	AR	Shim, M1X45X185	
12	1001125117	AR	Washer, M12	
13	0771212	12	Bolt, M12X25 Grade 10.9	
14	1001090150	2	Bearing	
15	1001154174	AR	Shim, M0.5X45X185	
16	1001154176	AR	Shim, M0.5X67.5X185	

FIGURE 2-9. THIRD BOOM SECTION ASSEMBLY (SN 0160122953 to Present)

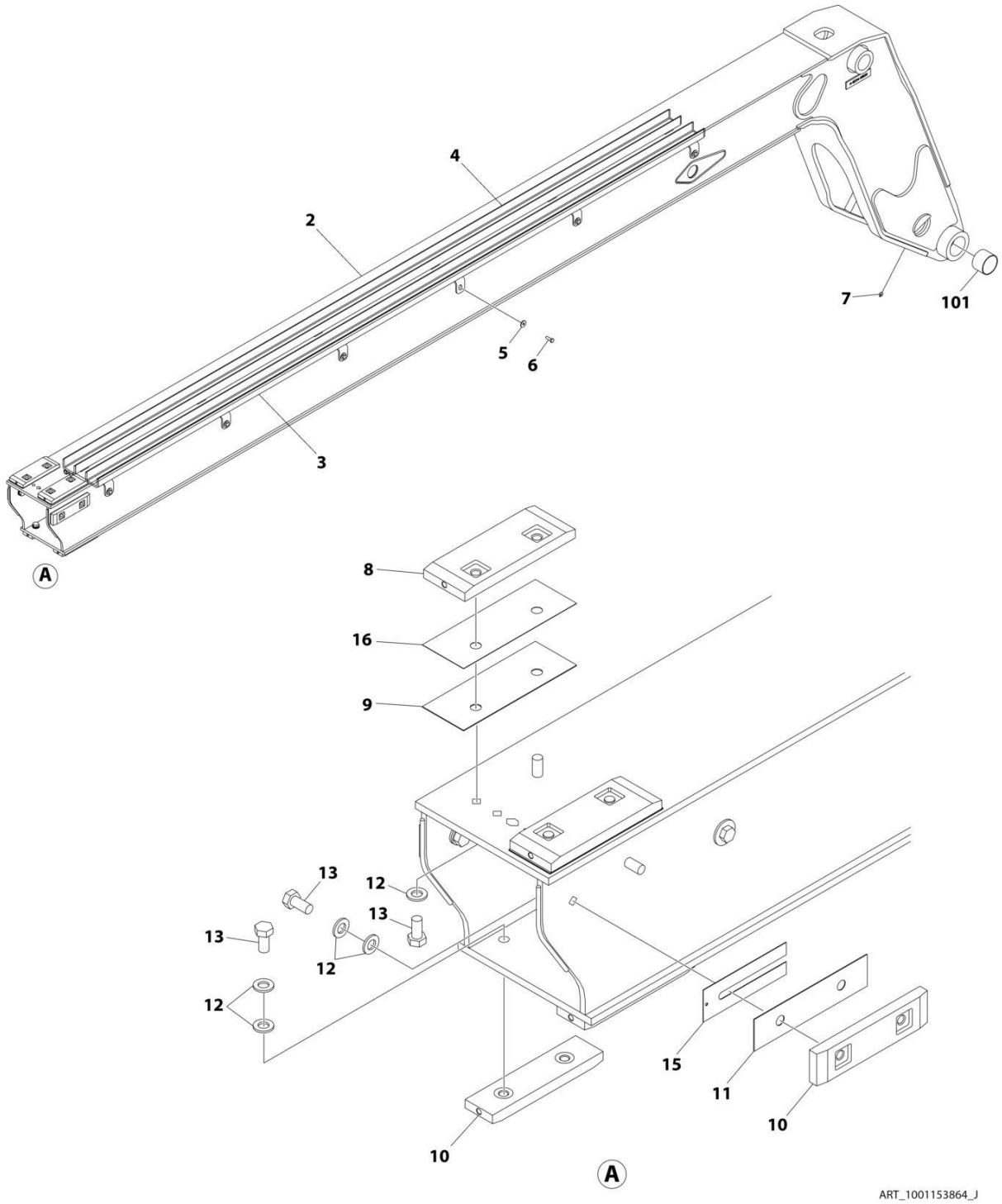


FIGURE 2-9. THIRD BOOM SECTION ASSEMBLY (SN 0160122953 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153864	Ref	Third Boom Section Assembly	J
2	1001242218	1	Boom, Third	
3	1001174557	1	Support, Hose	
4	1001175661	1	Support, Hose	
5	4811902	12	Washer, M8	
6	0760812	12	Bolt, M8X25	
7	2160016	1	Fitting, Grease	
8	1001148103	2	Pad, M15X67.5X181	
9	1001148147	AR	Shim, M1X67.5X185	
10	1001147657	4	Pad, M15X45X181	
11	1001147731	AR	Shim, M1X45X185	
12	1001125117	AR	Washer, M12	
13	0771212	12	Bolt, M12X25 Grade 10.9	
15	1001163103	AR	Shim	
16	1001154176	AR	Shim	
101	1001090150	2	Bearing	

FIGURE 2-10. LINK ASSEMBLY

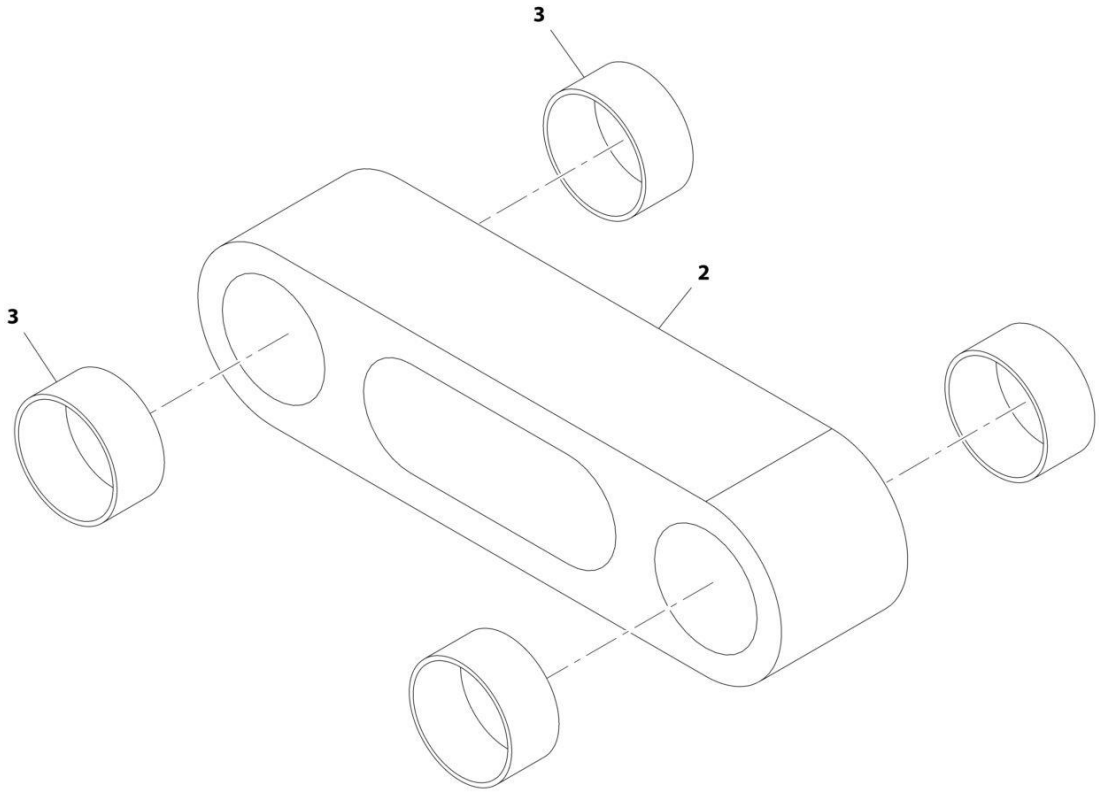
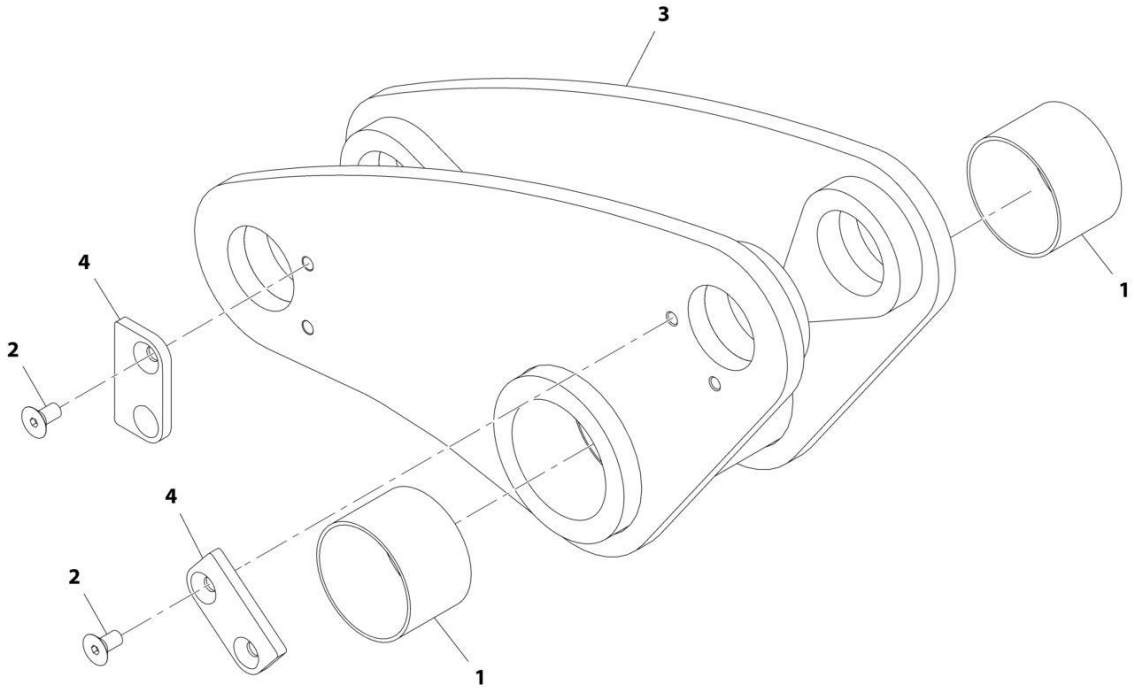


FIGURE 2-10. LINK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096870	Ref	Link Assembly	B
2	1001096726	NSS	Link (Use PN 1001096870 Link Assembly	
3	1001100442	4	Bearing	

FIGURE 2-11. LEVER ASSEMBLY



ART_1001176407-C

FIGURE 2-11. LEVER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176407	Ref	Lever Assembly	C
1	1001092298	2	Bearing	
2	1001155441	4	Screw, M10-1.5X20	
3	1001189480	1	Plate	
4	1001176882	2	Plate, Pin Retainer	

FIGURE 2-12. MANUAL QUICK COUPLER INSTALLATION

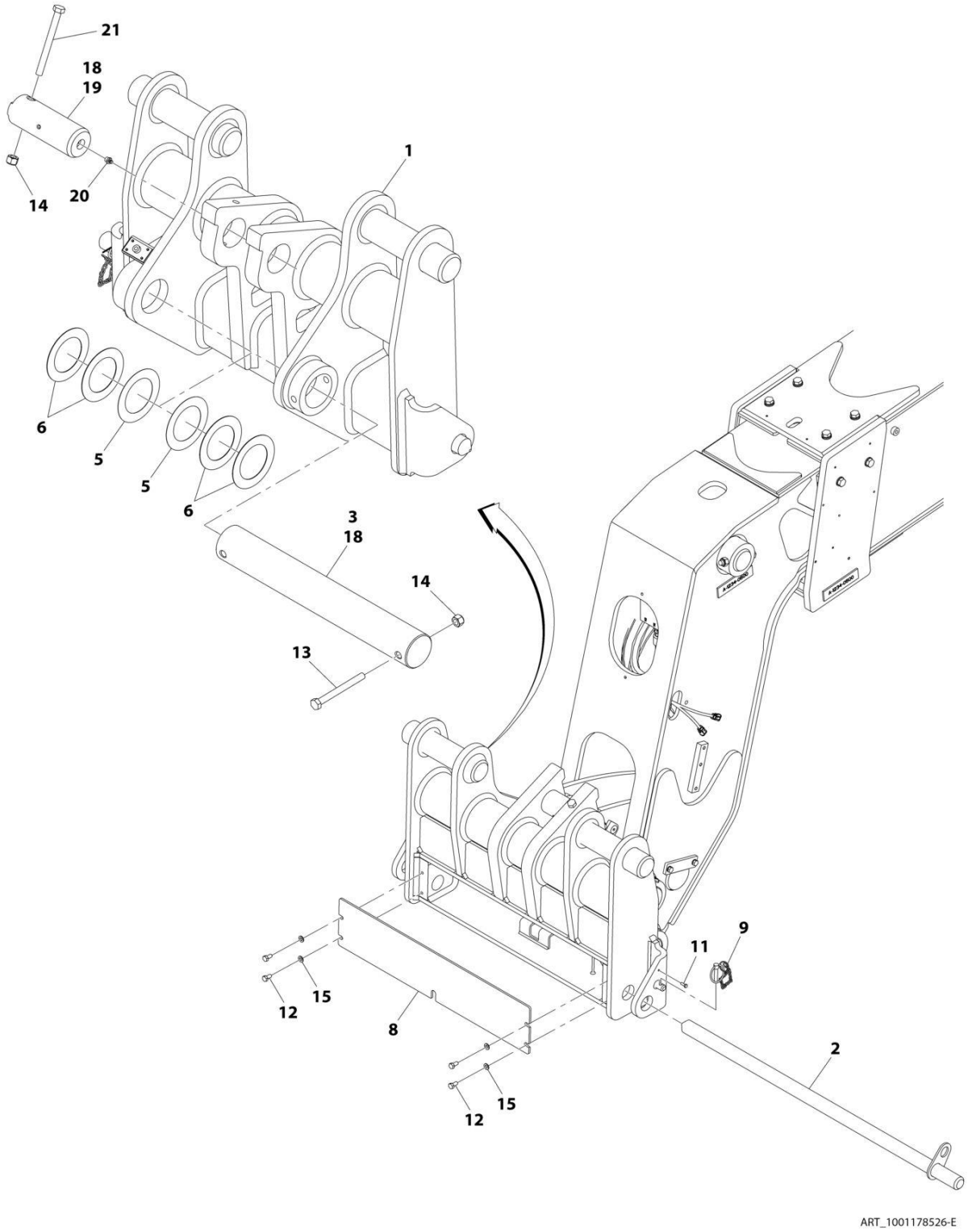


FIGURE 2-12. MANUAL QUICK COUPLER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178526	Ref	Manual Quick Coupler Installation	E
1	1001189099	1	Carriage	
2	1001162636	1	Pin	
3	1001172886	1	Pin	
5	1001098146	AR	Shim, M72X110X0.5	
6	1001098147	AR	Shim, M72X110X1.0	
8	1001171390	1	Plate	
9	1001149923	1	Chain, Retaining Pin	
11	0760507	1	Bolt, M5X14	
12	0760808	4	Bolt, M8X16	
13	0701229	1	Bolt, M12X120	
14	3291205	2	Nut, Lock M12X1.75 Grade 8	
15	4811900	4	Washer, M8	
18	1001098457	AR	Lube, Lithium Grease	
19	1001197479	1	Pin	
20	2160016	1	Fitting, Grease	
21	0701232	1	Bolt, M12X150	

FIGURE 2-13. HYDRAULIC QUICK COUPLER INSTALLATION

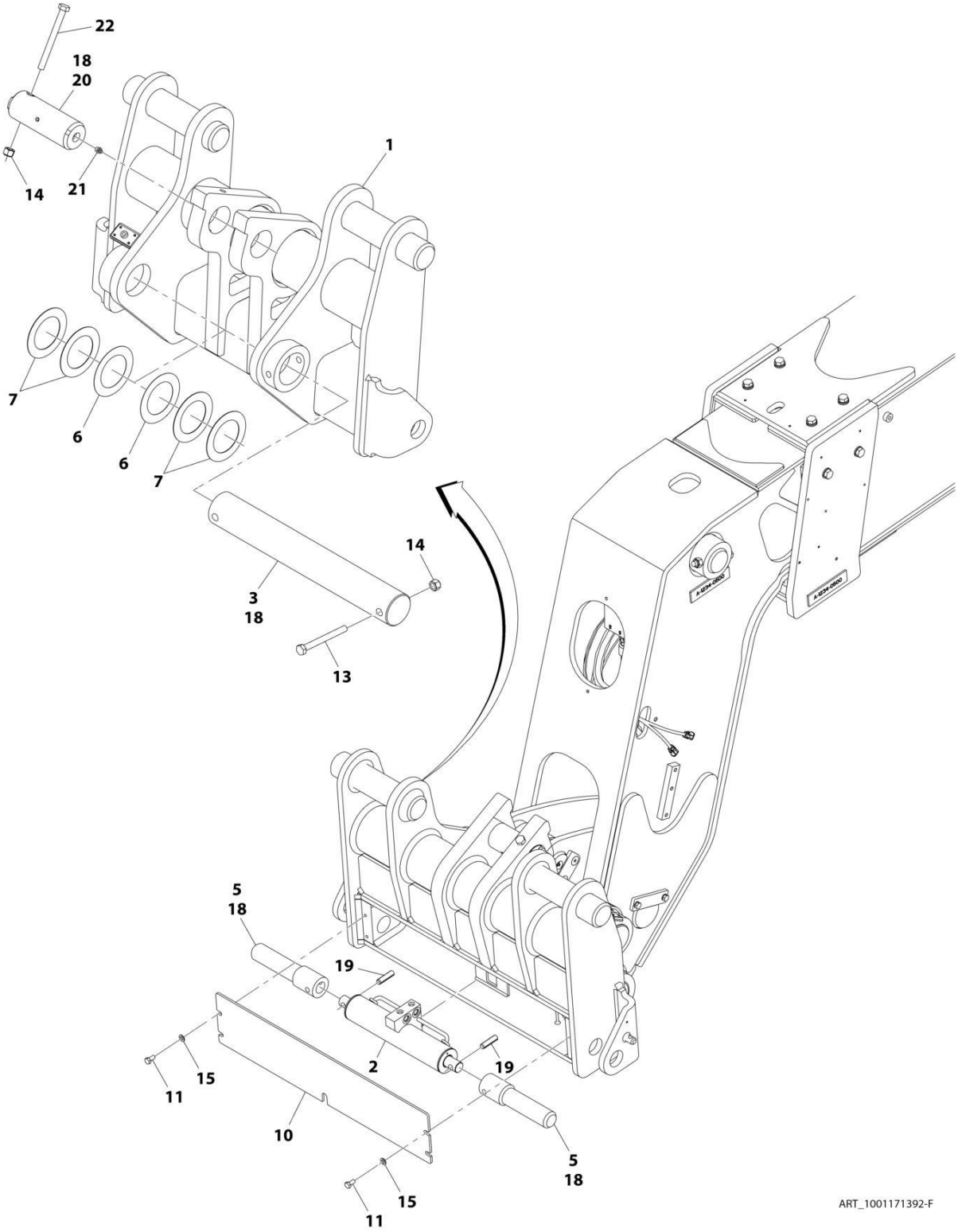


FIGURE 2-13. HYDRAULIC QUICK COUPLER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171392	Ref	Hydraulic Quick Coupler Installation	F
1	1001189099	1	Carriage	
2	1001114787	1	Assembly, Coupler Locking Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
3	1001172886	1	Pin	
5	1001170984	2	Rod, Locking	
6	1001098146	AR	Shim, M72X110X0.5	
7	1001098147	AR	Shim, M72X110X1.0	
10	1001171390	1	Plate	
11	0760808	4	Bolt, M8X16	
13	0701229	1	Bolt, M12X120	
14	3291205	2	Nut, Lock M12X1.75 Grade 8	
15	4811900	4	Washer, M8	
18	1001098457	AR	Lube, Lithium Grease	
19	1001184610	2	Pin	
20	1001197479	1	Pin	
21	2160016	1	Fitting, Grease	
22	0701232	1	Bolt, M12X150	

FIGURE 2-14. BOOM PROP INSTALLATION

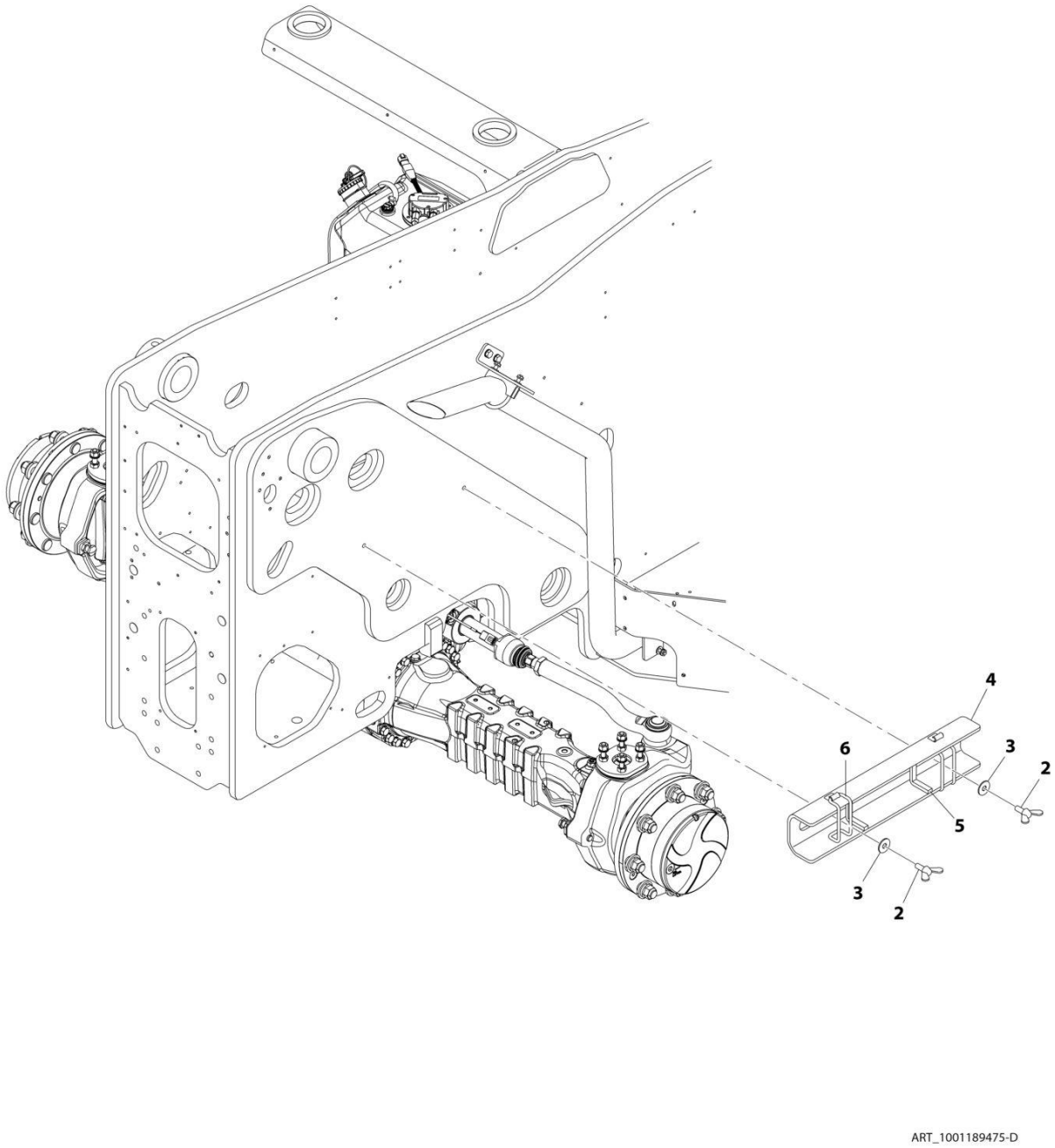


FIGURE 2-14. BOOM PROP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189475	Ref	Boom Prop Installation	D
2	443630	2	Screw, Wing M12X30	
3	4812102	2	Washer, M12	
4	1001204535	1	Bracket, Boom Support	
5	1001189476	2	Pad	
6	1784861	2	O-Ring	

FIGURE 2-15. BOOM BRUSHES INSTALLATION

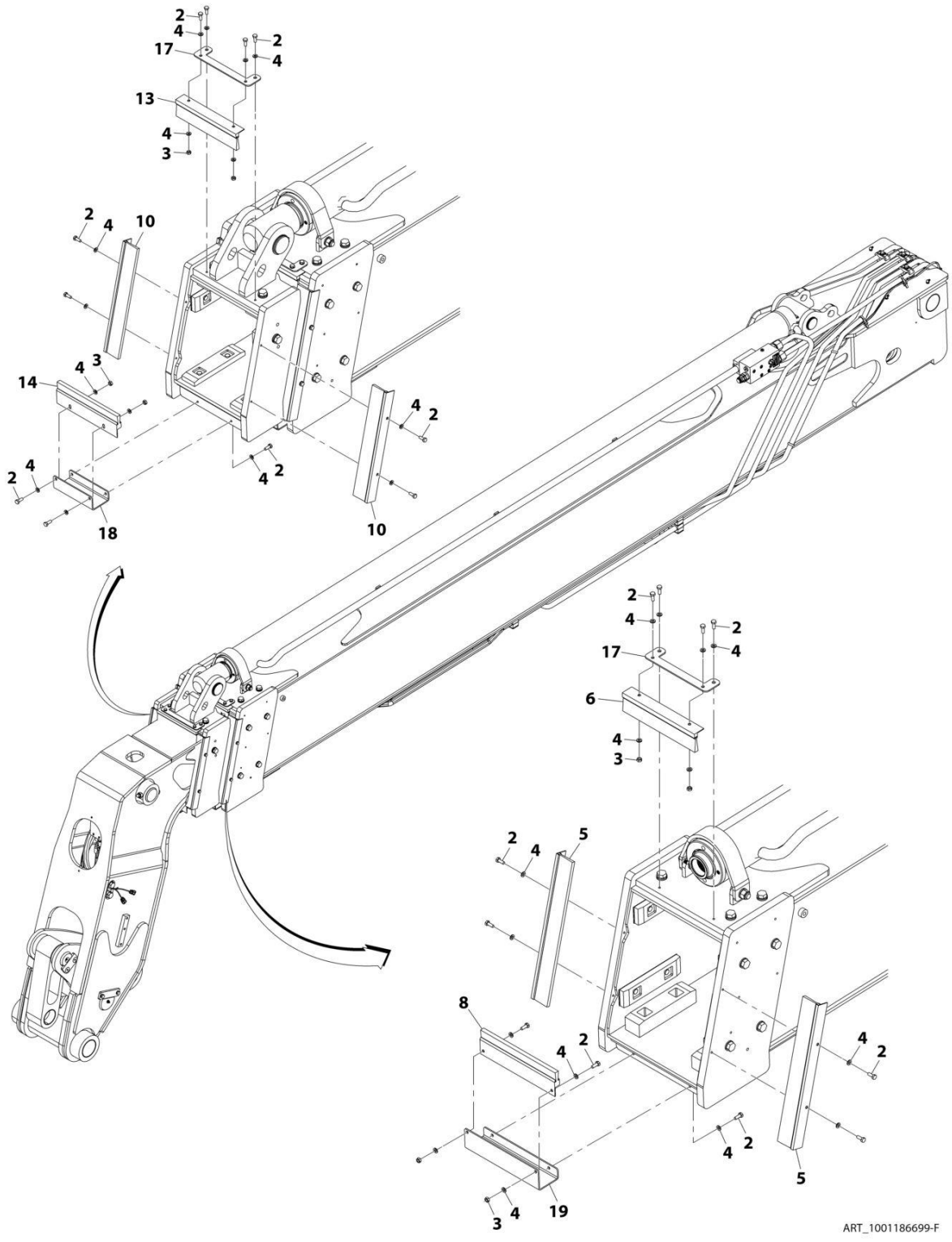


FIGURE 2-15. BOOM BRUSHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186699	Ref	Boom Brushes Installation	F
2	0760608	24	Bolt, M6X16	
3	3290601	8	Nut, M6X1 Grade 8	
4	4811700	32	Washer, M6	
5	1001184423	2	Seal, Boom Brush	
6	1001184507	1	Seal, Boom Brush	
8	1001202316	1	Seal, Boom Brush	
10	1001183676	2	Seal, Boom Brush	
13	1001186895	1	Seal, Boom Brush	
14	1001186896	1	Seal, Boom Brush	
17	1001214868	2	Bracket, Boom Brush Top	
18	1001214881	1	Bracket, Boom Brush Bottom	
19	1001214882	1	Bracket, Boom Brush Bottom	

SECTION 3 - ATTACHMENTS

FIGURE 3-1. AUGER COUPLING

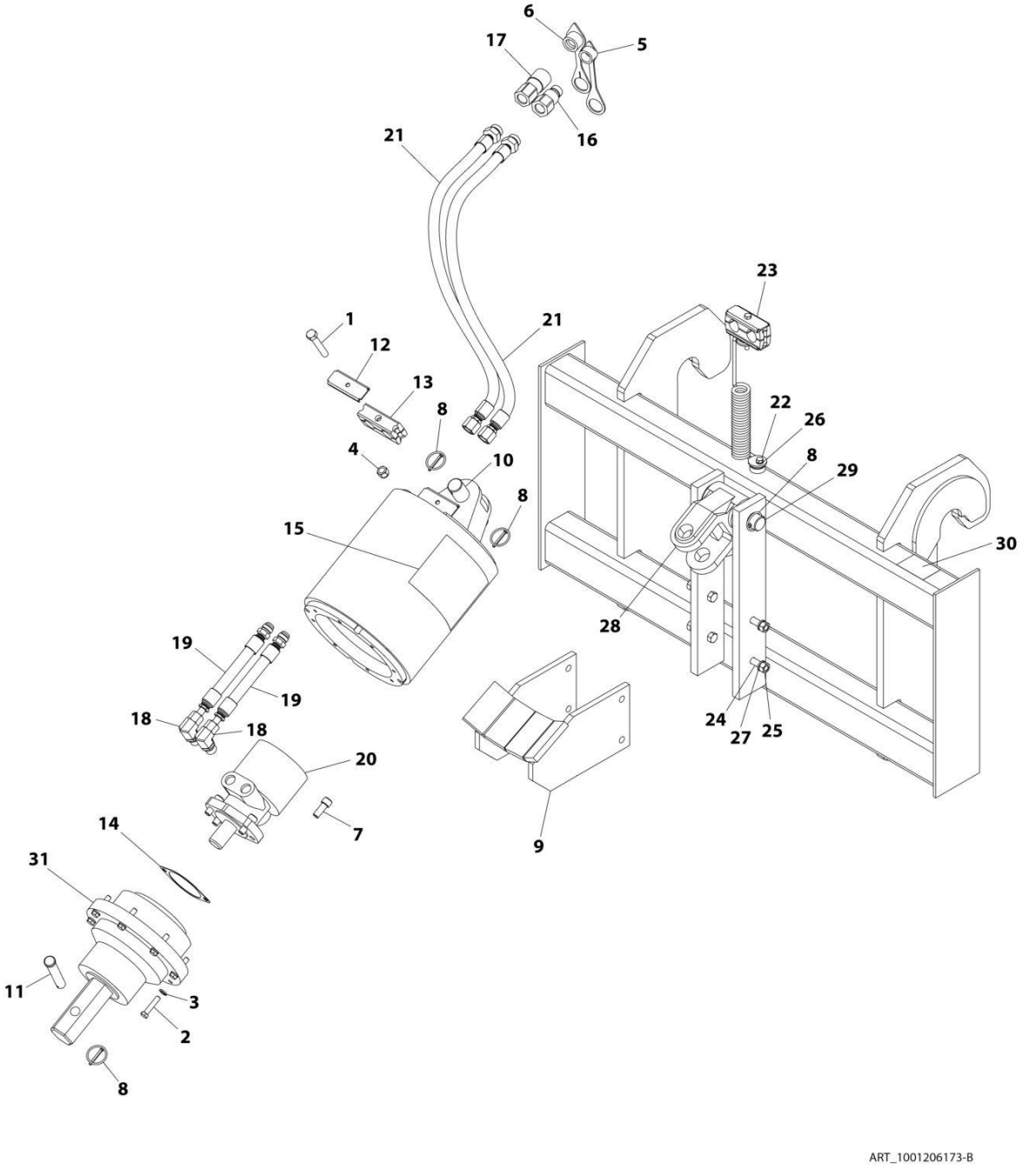
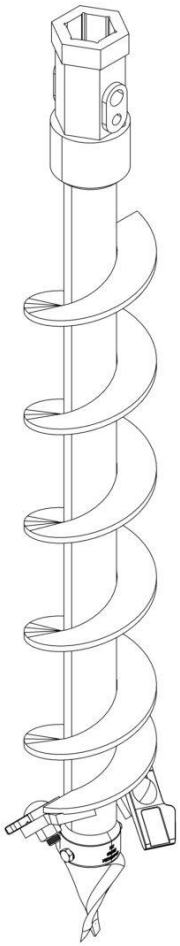


FIGURE 3-1. AUGER COUPLING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206173	1	Auger (Coupler Mounted)	E
1	90554070	1	Bolt	
2	70027774	8	Bolt	
3	90554042	8	Washer, Lock	
4	70027775	1	Nut, Lock	
5	1001093826	1	Cap, Male Dust	
6	1001093827	1	Cap, Female Dust	
7	70027776	4	Bolt	
8	70027777	5	Pin	
9	70027778	1	Bracket, Cradle	
10	70027781	1	Pin	
11	70027782	1	Pin	
12	70027783	1	Plate, Hose Cushion	
13	70027784	1	Block, Hose Cushion	
14	70027785	1	Gasket, Motor	
15	70027787	2	Decal, Danger	
16	1001101041	1	Coupler, Male Hydraulic	
17	1001101042	1	Coupler, Female Hydraulic	
18	70027788	2	Fitting	
19	70027789	2	Hose	
20	70027791	1	Motor	
21	70027794	2	Hose	
22	70027773	1	Bolt	
23	70027792	1	Clamp, Hose	
24	90554019	4	Bolt	
25	90554054	4	Nut	
26	90554067	1	Washer, Lock	
27	90554020	4	Washer, Lock	
28	70027779	1	Swivel	
29	70027780	1	Pin	
30	70027786	1	Decal, Warning	
31	70027793	1	Gearbox, Planetary	
101	N.S.S.	1	Plate, Serial Number	

FIGURE 3-2. AUGER BIT (6INX4IN)

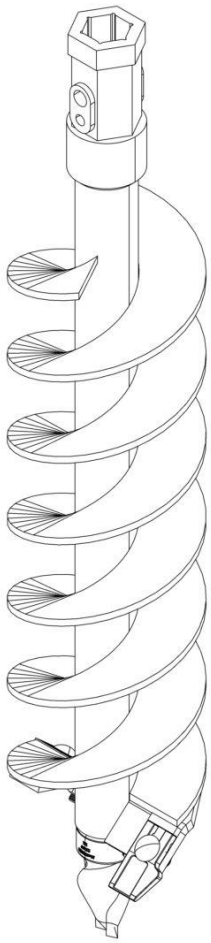


ART_1001204128-B

FIGURE 3-2. AUGER BIT (6INX4IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204128	Ref	Auger Bit (6INX4IN)	B

FIGURE 3-3. AUGER BIT (9INX4IN)

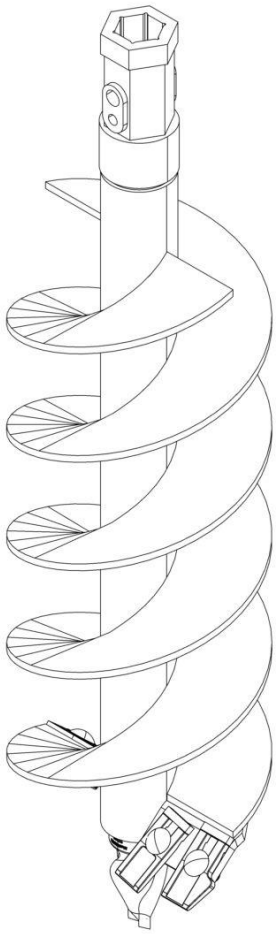


ART_1001204129-B

FIGURE 3-3. AUGER BIT (9INX4IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204129	Ref	Auger Bit (9INX4IN)	B

FIGURE 3-4. AUGER BIT (12INX4IN)

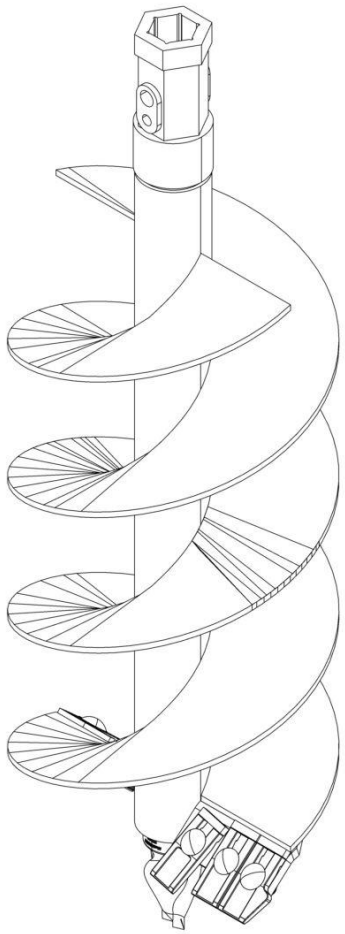


ART_1001204130-B

FIGURE 3-4. AUGER BIT (12INX4IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204130	Ref	Auger Bit (12INX4IN)	B

FIGURE 3-5. AUGER BIT (15INX4IN)

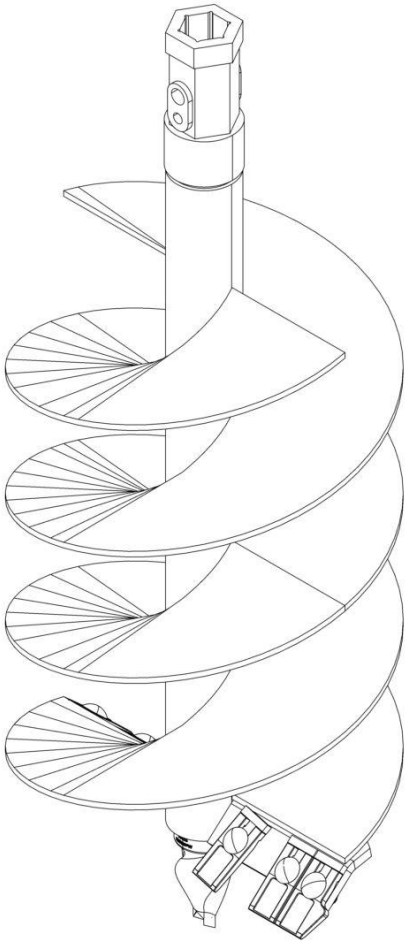


ART_1001204131-B

FIGURE 3-5. AUGER BIT (15INX4IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204131	Ref	Auger Bit (15INX4IN)	B

FIGURE 3-6. AUGER BIT (18INX4IN)

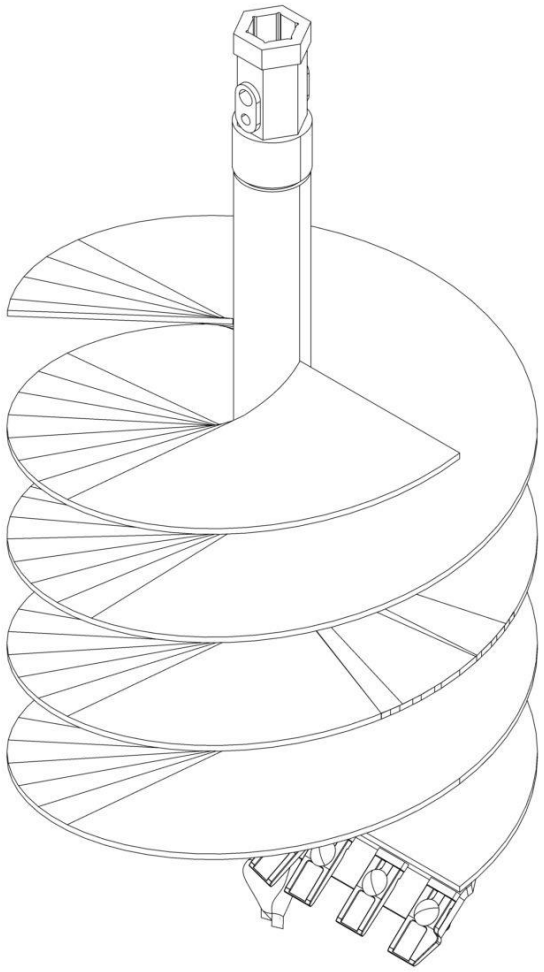


ART_1001204132-B

FIGURE 3-6. AUGER BIT (18INX4IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204132	Ref	Auger Bit (18INX4IN)	B

FIGURE 3-7. AUGER BIT (24INX4IN)

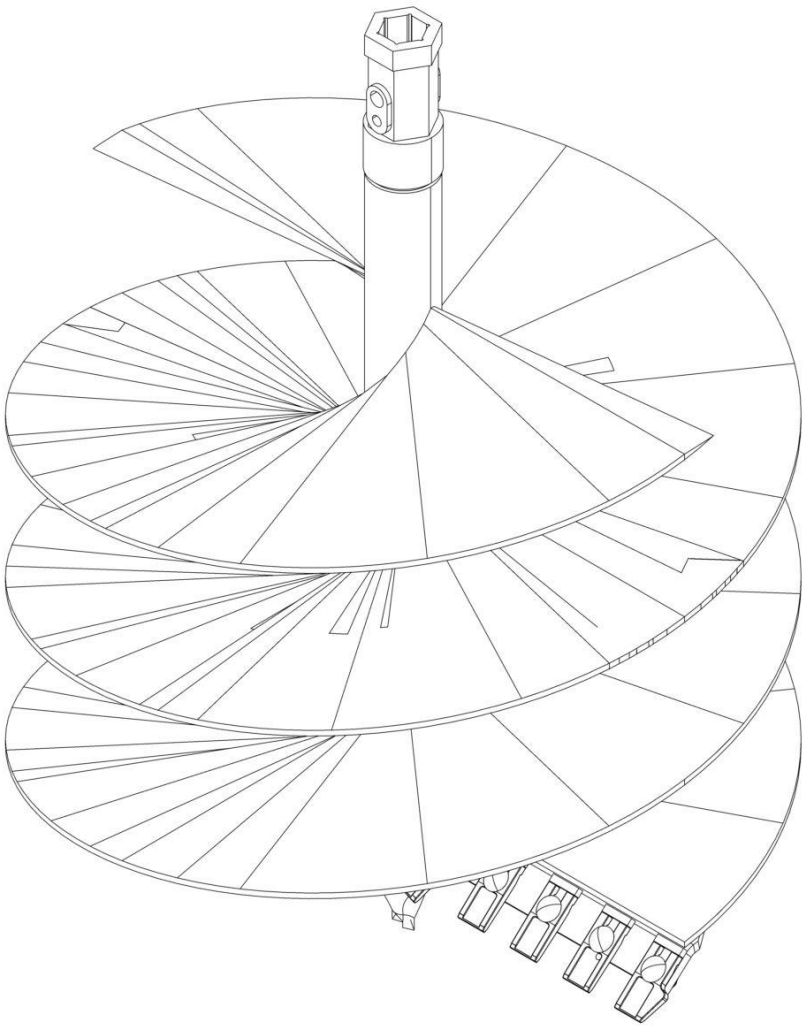


ART_1001204133-B

FIGURE 3-7. AUGER BIT (24INX4IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204133	Ref	Auger Bit (24INX4IN)	B

FIGURE 3-8. AUGER BIT (36INX4IN)



ART_1001204134-B

FIGURE 3-8. AUGER BIT (36INX4IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204134	Ref	Auger Bit (36INX4IN)	B

FIGURE 3-9. BALE HANDLER (TUBE CLAMP)

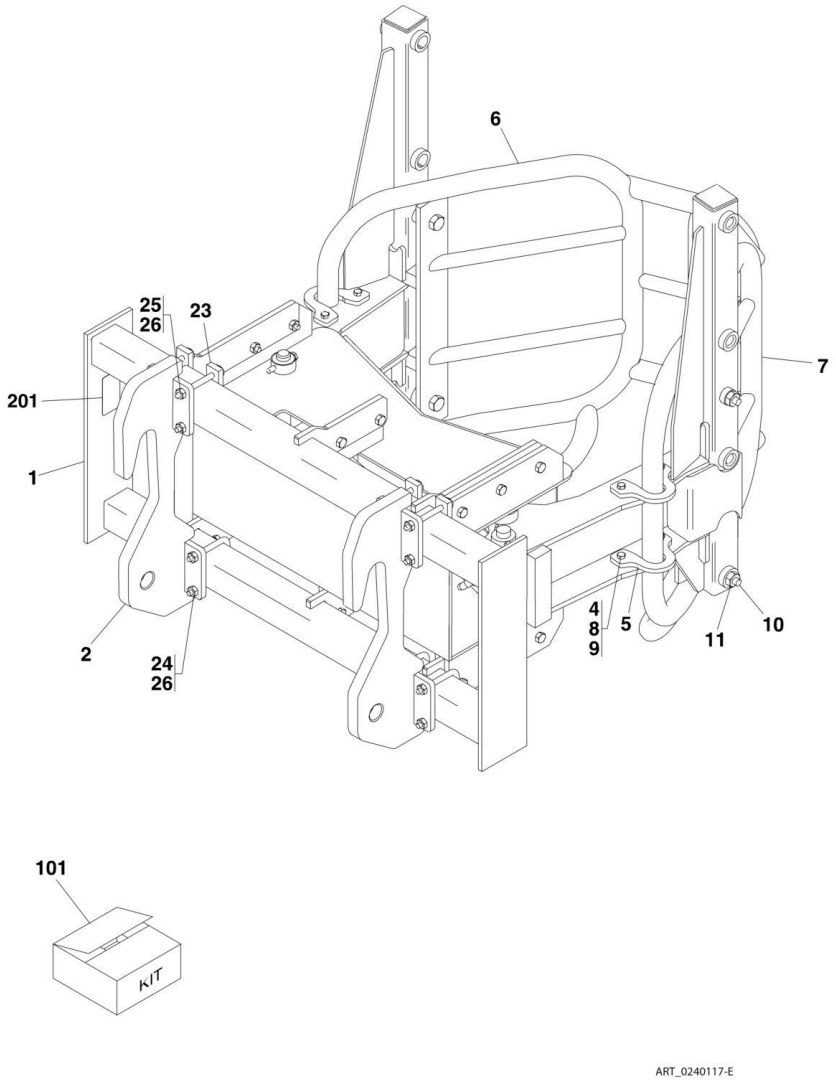


FIGURE 3-9. BALE HANDLER (TUBE CLAMP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0240117	1	Bale Handler (Tube Clamp)	E
1	N.S.S.	1	Weldment	
2	7029344	1	Weldment, Attach (includes items 23 thru 26)	
4	7029345	8	Bolt, M12X45	
5	7029346	4	Strap	
6	7029347	1	Arm, Left Tube	
7	7029348	1	Arm, Right Tube	
8	7029349	8	Washer, M12	
9	7029350	8	Locknut, M12X8	
10	7029351	4	Bolt, M22X180	
11	7029352	4	Locknut, M22X8	
23	7029353	4	Plate	
24	7029354	4	U-Bolt	
25	7029355	8	Bolt, M16X130	
26	7029356	16	Locknut, M16X8	
101	2902440	1	Kit, Bale Handler (Spikes to Tube) (CE & AUS) (includes items 4 thru 11) (See Separate Breakdown in this Section)	
201	N.S.S.	AR	SN Plate	

FIGURE 3-10. BALE HANDLER KIT (TUBE CLAMP)

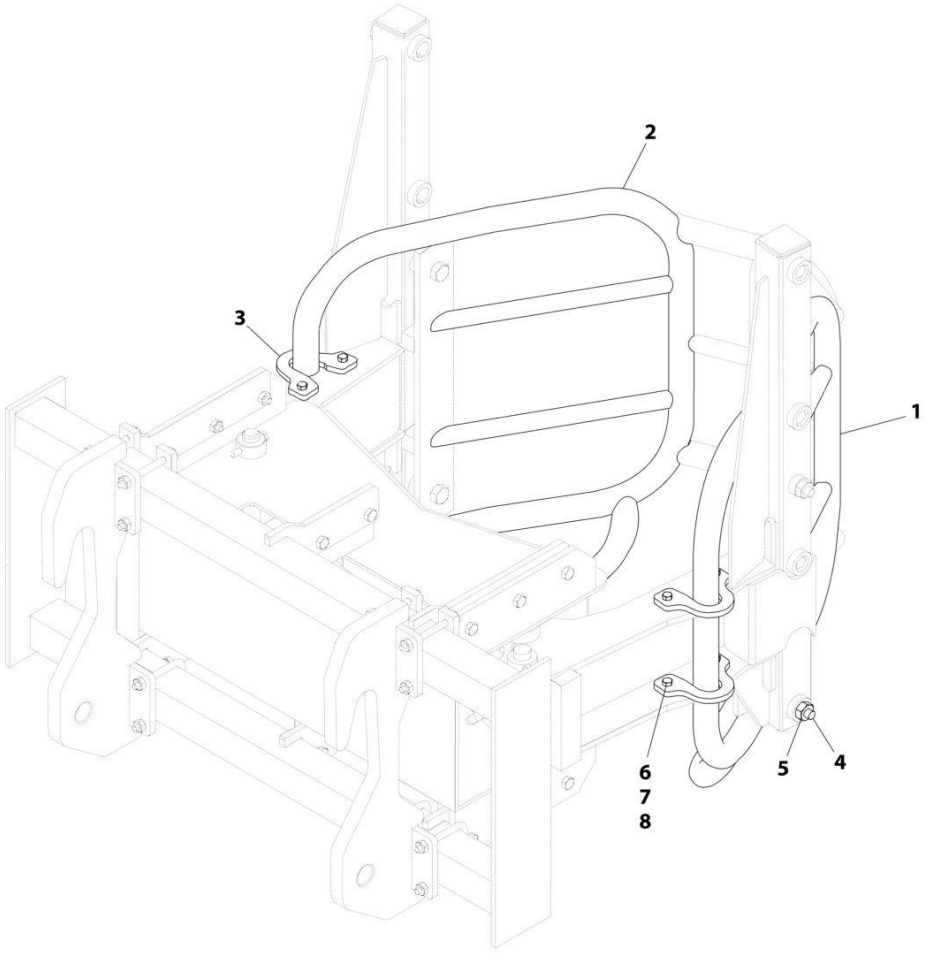


FIGURE 3-10. BALE HANDLER KIT (TUBE CLAMP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902440	Ref	Bale Handler Kit (Spikes to Tube)	A
1	7029348	1	Bent Arm, Right	
2	7029347	1	Bent Arm, Left	
3	7029346	4	Strap	
4	7029351	4	Bolt, M22X180-8.8	
5	7029352	4	Locknut, M22-8	
6	7029345	8	Bolt, M12X45-8.8	
7	7029350	8	Locknut, M12-8	
8	7029349	8	Washer, M12	

FIGURE 3-11. BALE HANDLER (SPIKE CLAMP)

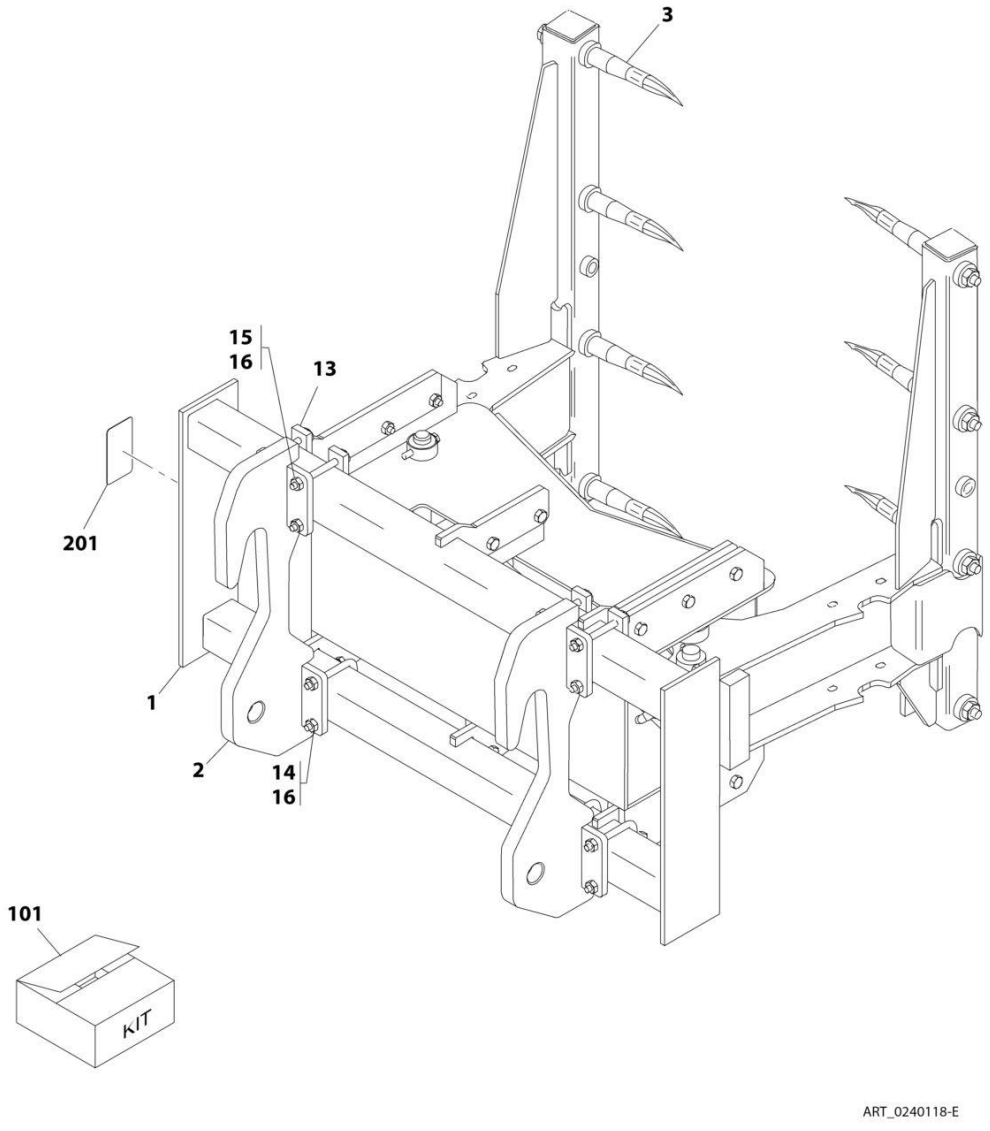


FIGURE 3-11. BALE HANDLER (SPIKE CLAMP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0240118	1	Bale Handler (Spike Clamp)	E
1	N.S.S.	1	Weldment	
2	7029344	1	Weldment, Attach (includes items 13 thru 16)	
3	7029357	8	Spike	
13	7029353	4	Plate	
14	7029354	4	U-Bolt	
15	7029355	8	Bolt, M16X130	
16	7029356	16	Locknut, M16X8	
101	2902441	1	Kit, Bale Handler Kit (Spikes) (CE & AUS) (includes item 3) (See Separate Breakdown in this Section)	
201	N.S.S.	AR	SN Plate	

FIGURE 3-12. BALE HANDLER KIT (SPIKE CLAMP)

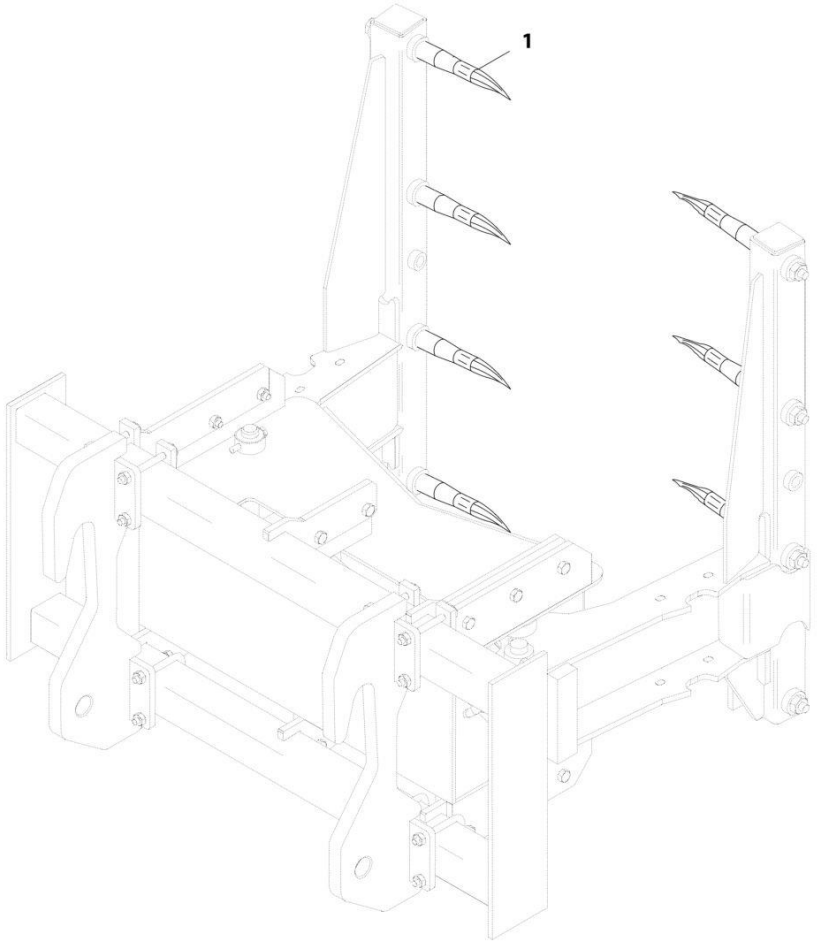


FIGURE 3-12. BALE HANDLER KIT (SPIKE CLAMP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902441	1	Bale Handler Kit (Spikes)	A
1	Kit	1	Kit	

FIGURE 3-13. BASKET PERSONNEL (1.2MX2.4M) (DOMESTIC)

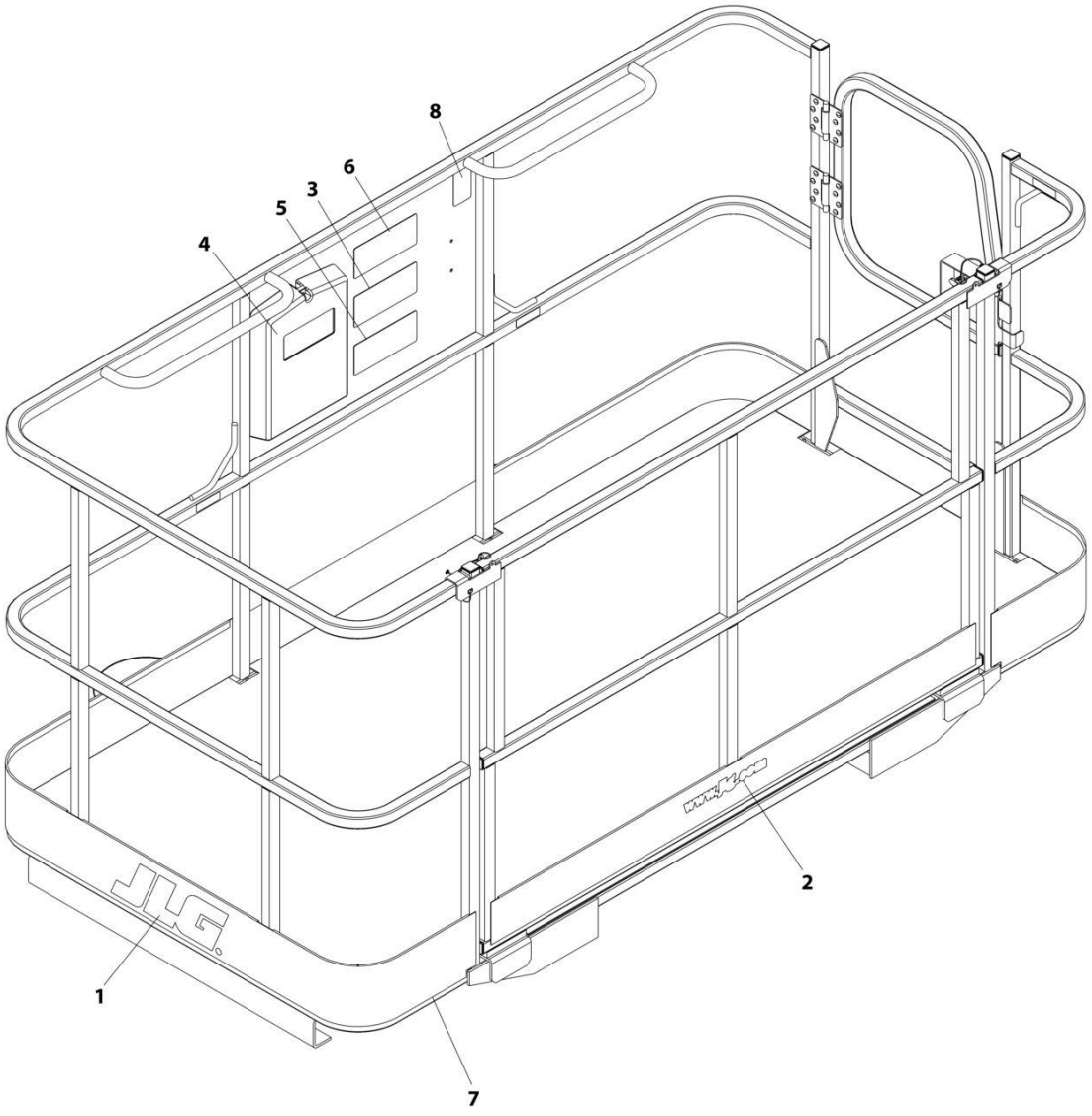


FIGURE 3-13. BASKET PERSONNEL (1.2MX2.4M) (DOMESTIC)

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

FIGURE 3-14. BASKET PERSONNEL (1.2MX2.4M) (FRENCH LANGUAGE)

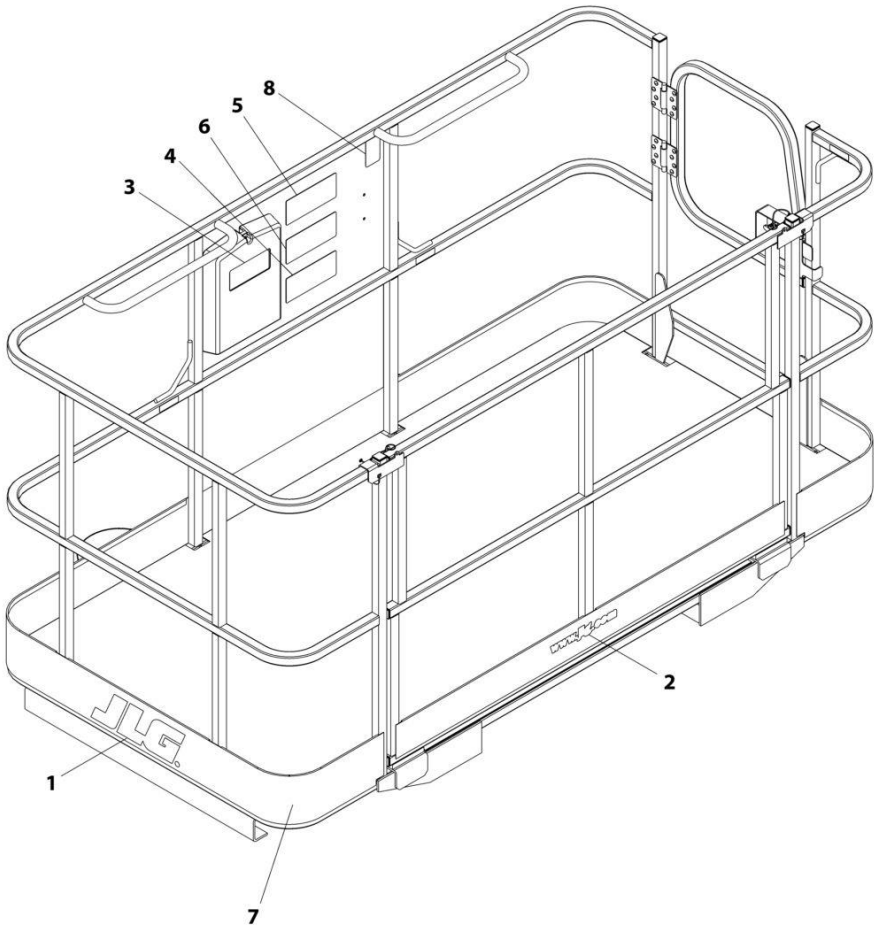


FIGURE 3-14. BASKET PERSONNEL (1.2MX2.4M) (FRENCH LANGUAGE)

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

FIGURE 3-15. BASKET PERSONNEL (1.2MX2.4M) (ISO)

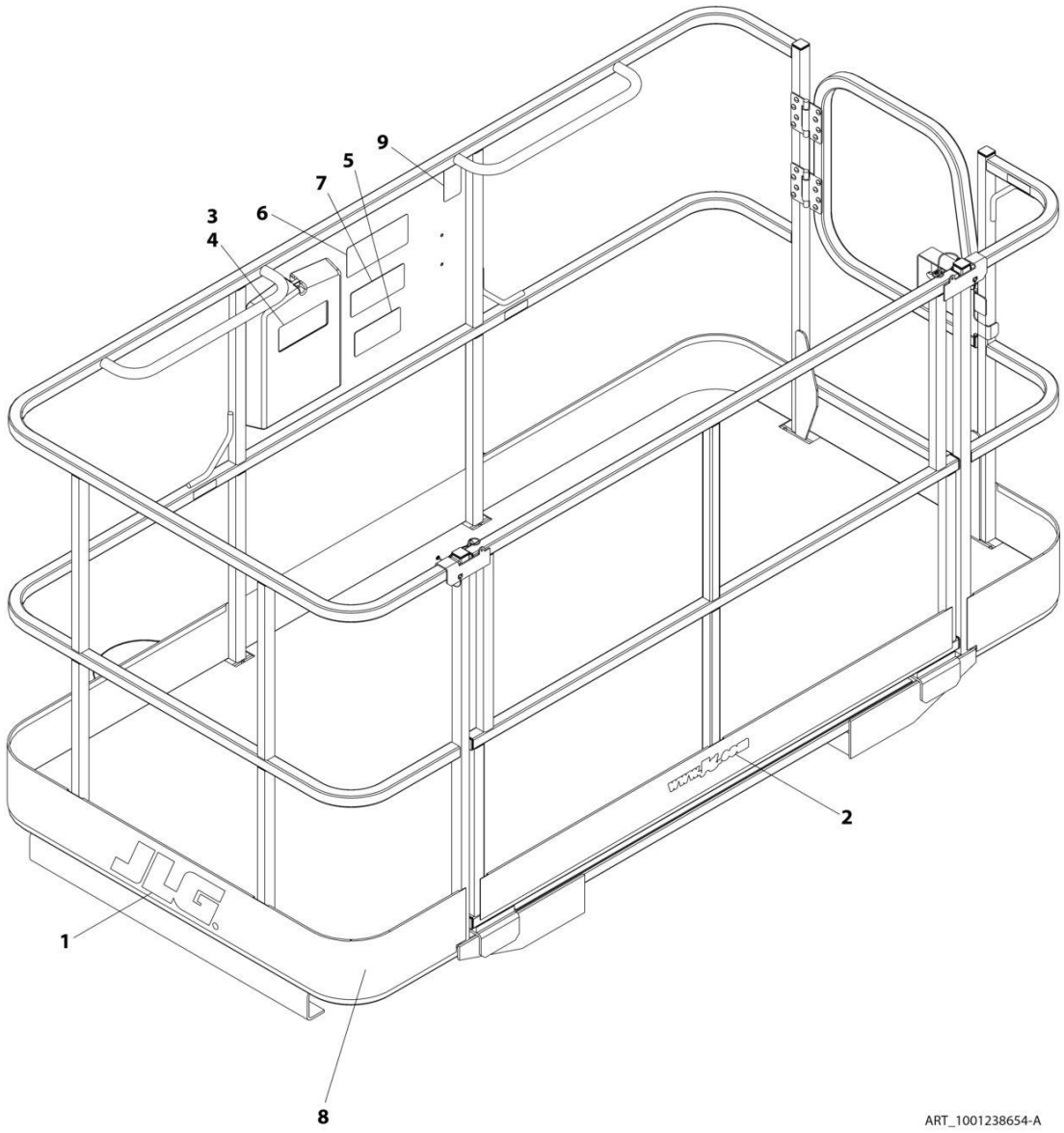


FIGURE 3-15. BASKET PERSONNEL (1.2MX2.4M) (ISO)

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

FIGURE 3-16. BASKET PERSONNEL (FORK MOUNTED)

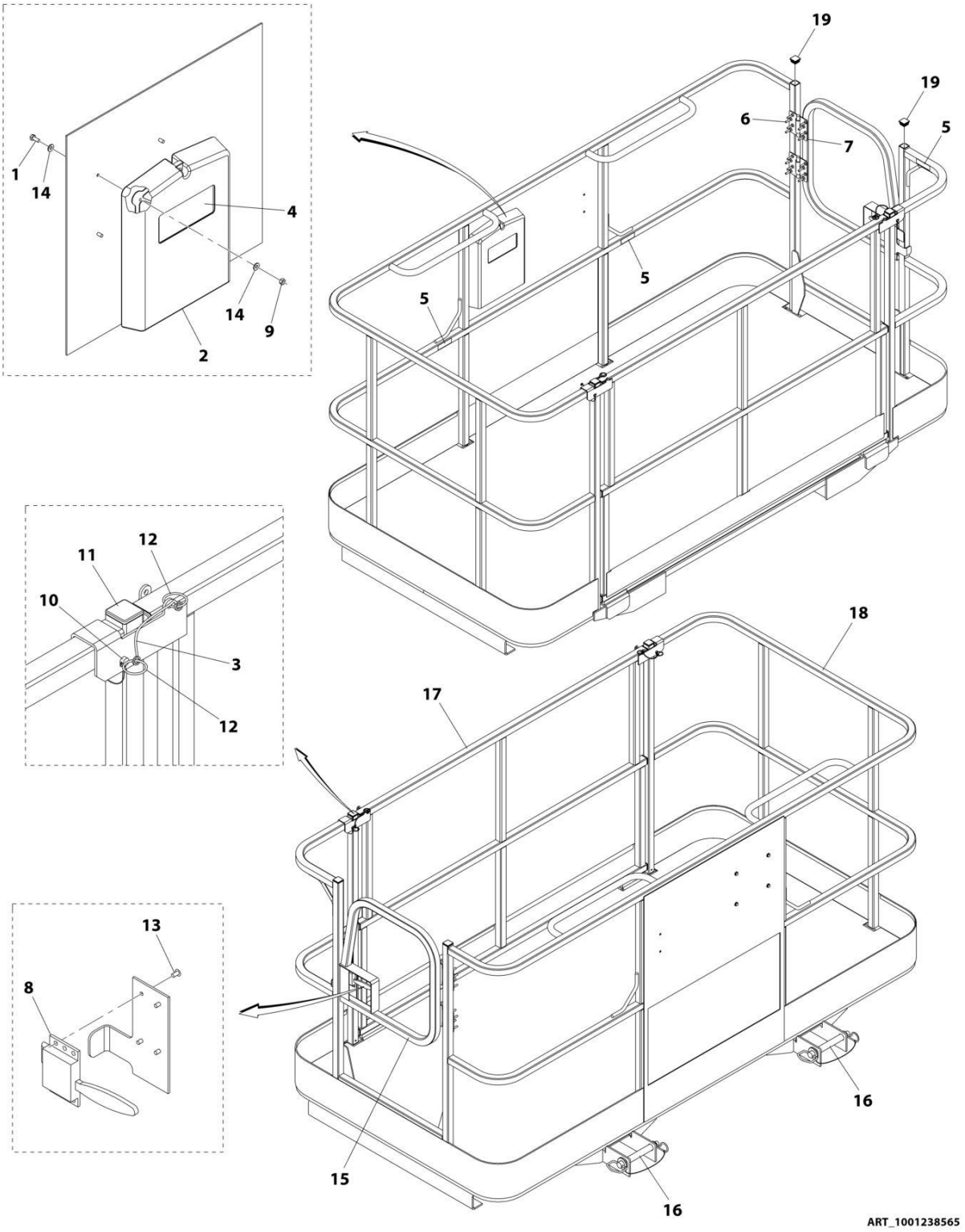


FIGURE 3-16. BASKET PERSONNEL (FORK MOUNTED)

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 3-17. BUCKET (CONCRETE)

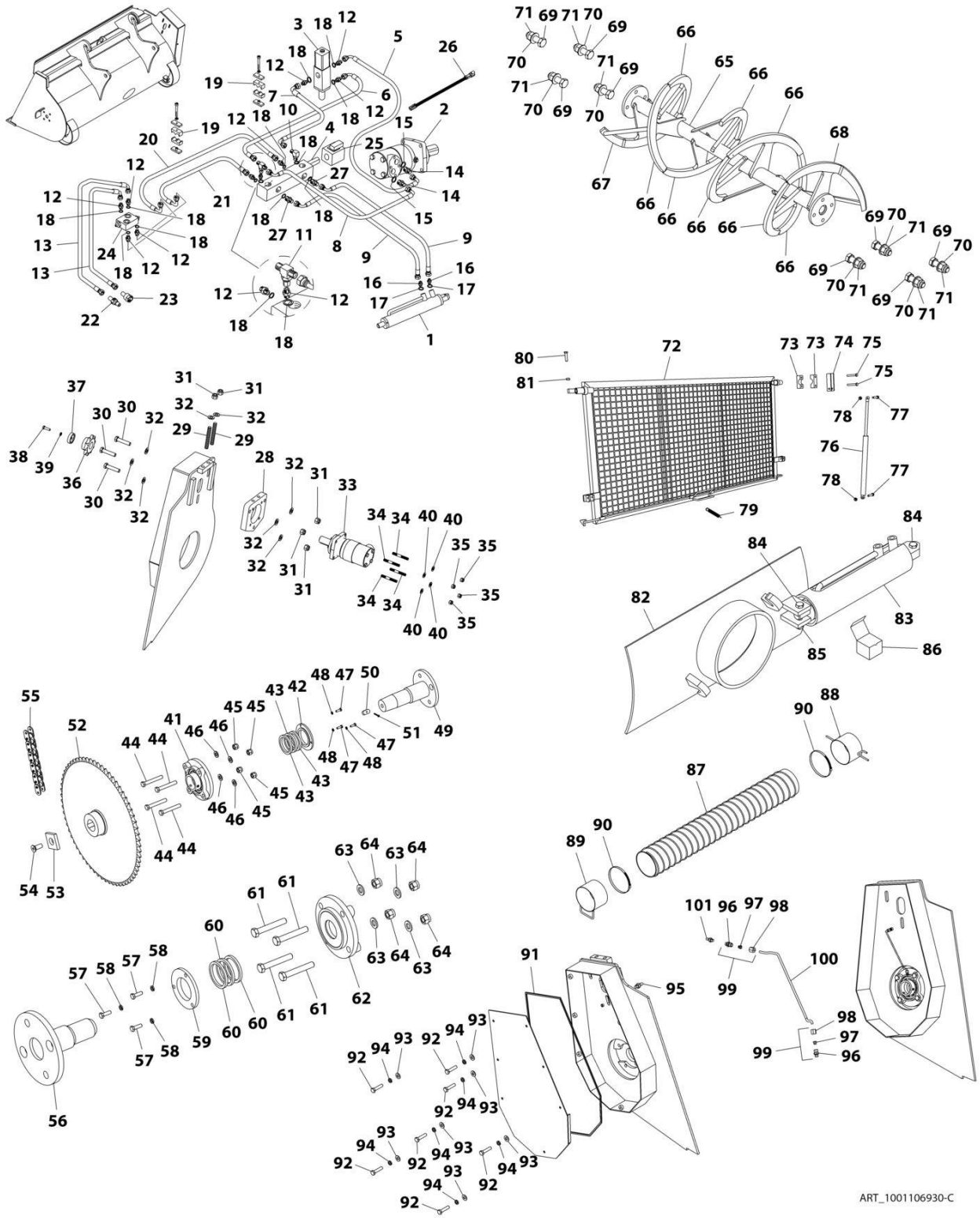


FIGURE 3-17. BUCKET (CONCRETE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001106930	1	Concrete Bucket	E
1	70024436	1	Cylinder, Concrete Bucket	
2	70024437	1	Engine, Hydraulic	
3	70024438	1	Valve, Flow Divisor	
4	70024439	1	Valve, Solenoid	
5	70024440	1	Pipe	
6	70024441	1	Pipe	
7	70024442	1	Pipe	
8	70024443	1	Pipe	
9	70024444	2	Pipe	
10	70024445	1	Fitting, 90	
11	70024446	1	Fitting, Tee	
12	70024447	10	Fitting, Straight	
13	70024448	2	Pipe	
14	70024449	2	Fitting, Straight	
15	70024450	2	Gasket	
16	1001104958	2	Fitting, Straight	
17	1001103531	2	Gasket	
18	70022927	2	Gasket	
19	70024452	2	Clamp	
20	70024453	1	Pipe	
21	70024454	1	Pipe	
22	1001101041	1	Coupling, Male Quick Disconnect	
23	1001101042	1	Coupling, Female Quick Disconnect	
24	70027990	1	Valve	
25	70024455	1	Coil	
26	70024456	1	Electric Cable	
27	70027991	2	Fitting, Straight	
28	70027992	1	Regulation plate	
29	70027993	2	Stud	
30	70027994	3	Bolt	
31	70027995	5	Nut, Self Locking	
32	70020728	8	Washer	
33	70024437	1	Hydraulic Engine	
34	70027996	4	Stud	
35	70027997	4	Nut, Self Locking	
36	70027998	1	Pinion	
37	70027999	1	Pinion cover	
38	70028000	1	Bolt	
39	70028001	1	Grower	
40	70028002	4	Washer	
41	70028003	1	Support Flange bearing	
42	70028004	1	Cover seal press	
43	70028005	3	Rope Fat	
44	70020724	4	Bolt	
45	70020726	4	Nut, Self Locking	
46	70020725	4	Washer	
47	70028006	3	Bolt	
48	70028007	3	Grower	
49	70028008	1	Pin	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70028009	1	Tab	
51	70028010	1	Bolt	
52	70028011	1	Koruna Wheels	
53	70028012	1	Fixing Koruna Wheels	
54	70028013	1	Bolt	
55	70028014	1	Track	
56	70028015	1	Pin	
57	70028006	3	Bolt	
58	70028007	3	Grower	
59	70028016	1	Cover seal press	
60	70028017	3	Rope Fat	
61	70028018	4	Bolt	
62	70028019	1	Support flange bearing	
63	70028002	4	Washer	
64	70027997	4	Nut, Self Locking	
65	70028020	1	Helical mixer only carpentry	
66	70028021	8	Central Sector	
67	70028022	1	Left Sector	
68	70028023	1	Right Sector	
69	70028024	8	Bolt	
70	70020728	8	Washer	
71	70027995	8	Nut, Self Locking	
72	70028025	1	Grid only carpentry	
73	70028026	4	Clamp heavy	
74	70028027	2	Pull nitrogen absorber	
75	70028028	4	Bolt	
76	70028029	2	Nitrogen absorber	
77	70028030	4	Bolt	
78	1001103201	4	Nut, Self Locking	
79	70028031	1	Return spring	
80	70028032	1	Bolt	
81	70028033	1	Nut	
82	70028034	1	Sliding door only carpentry	
83	70024436	1	Cylinder	
84	70028035	2	Bolt	
85	1001103201	2	Nut, Self Locking	
86	70028036	1	Gasket Kit	
87	70028037	1	Dump tube	
88	70028038	1	Tube with clevis door blocking	
89	70028039	1	Tube with clevis move	
90	70028040	2	Hose Clamp	
91	70028041	1	Gasket carter	
92	70028042	7	Bolt	
93	70028087	7	Washer	
94	70028007	7	Grower	
95	70021242	1	Greaser	
96	70028043	2	Link	
97	70028044	2	Sleeve	
98	70028046	2	Nut	
99	70028045	2	Link, sleeve, nut	
100	70028047	1	Pipe	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	70021242	1	Greaser	

FIGURE 3-18. BUCKET (DIRT)

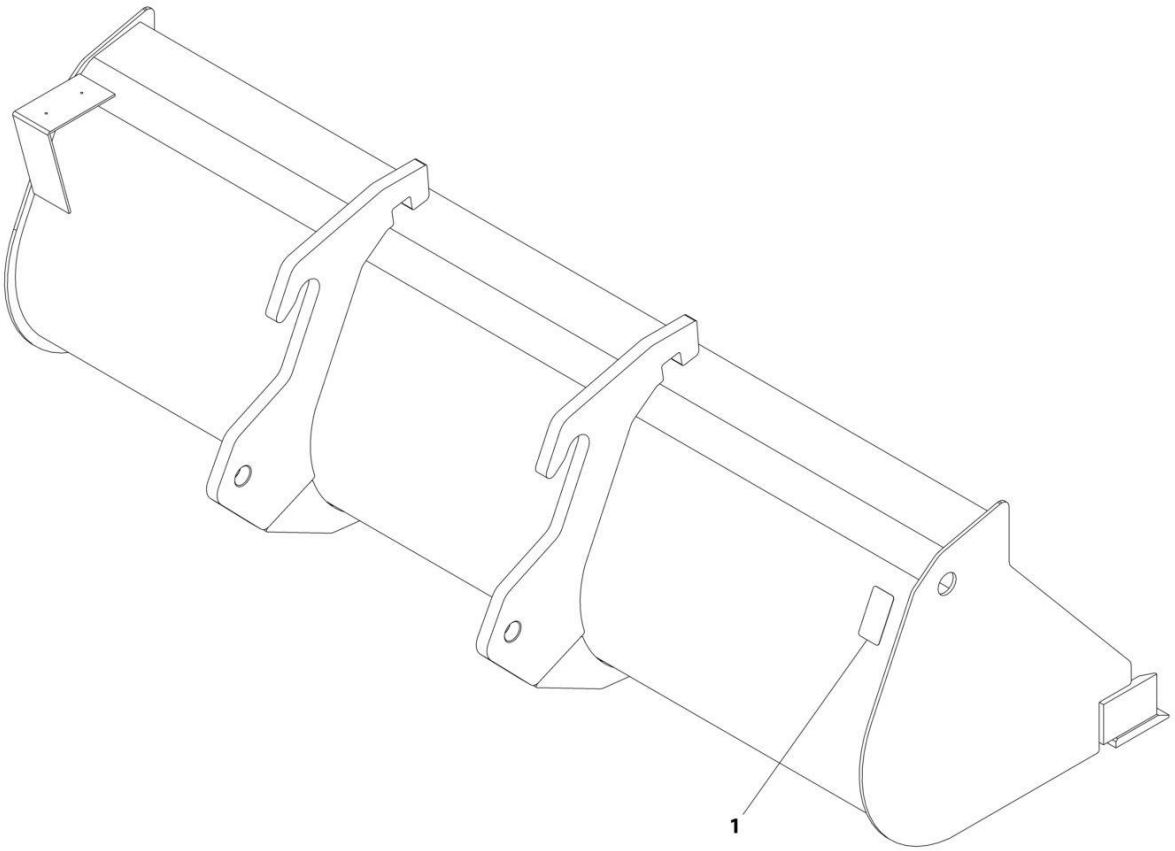


FIGURE 3-18. BUCKET (DIRT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197945	1	Dig Bucket (1.0 m^3)	D
1	N.S.S.	1	Plate, Serial Number	

FIGURE 3-19. BUCKET (GRAPPLE MULTI-PURPOSE)

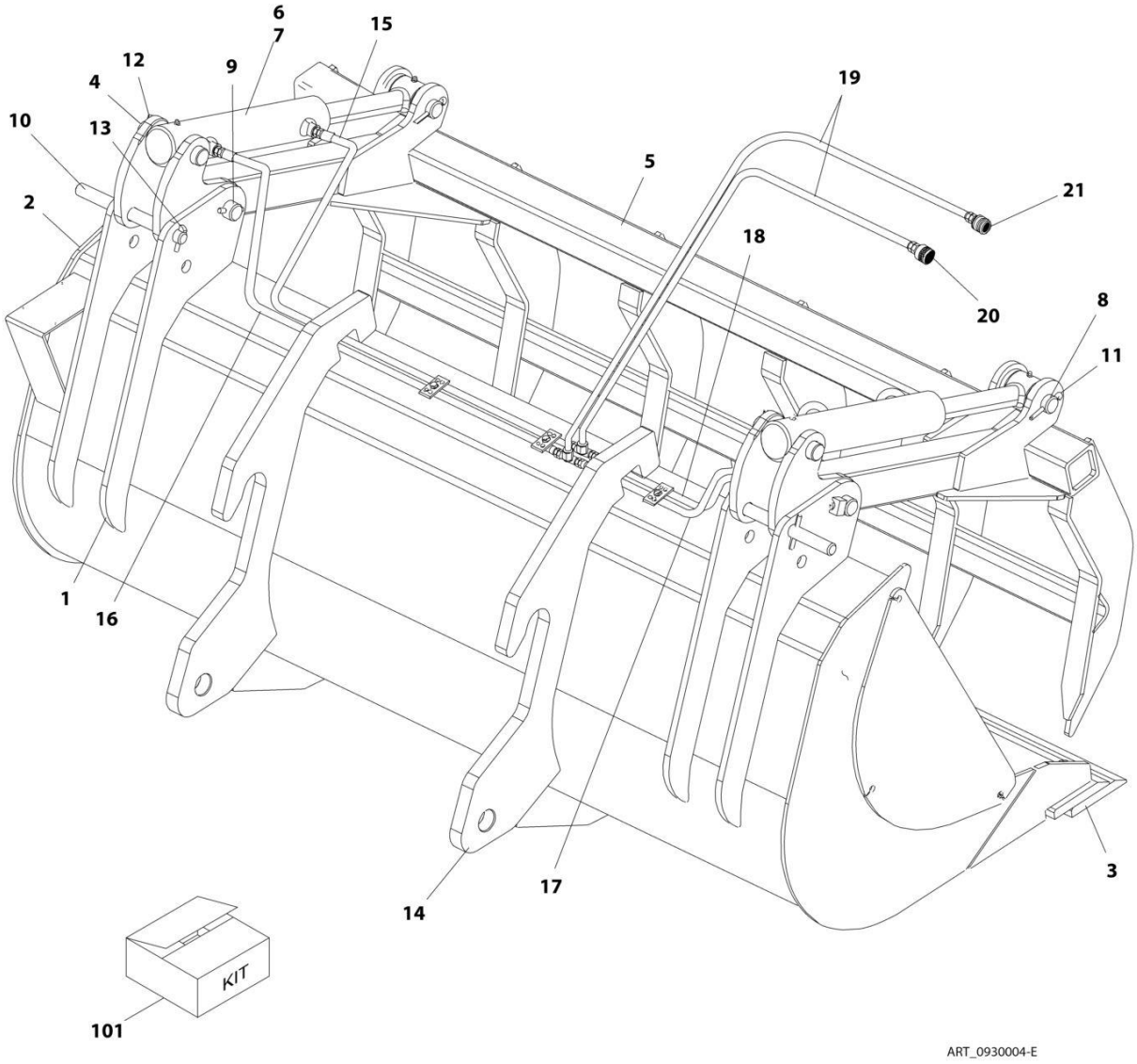


FIGURE 3-19. BUCKET (GRAPPLE MULTI-PURPOSE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0930004	1	Multi-Purpose Grapple Bucket (Wide Grip - 2450 MM) (CE & AUS)	E
1	N.S.S.	1	Weldment	
2	7028133	1	Plate	
3	7028132	1	Assembly, Blade (includes blade and the following hardware)	
	7029356	8	Nut, Lock M16	
	70023484	8	Bolt, M16X60	
4	7028126	2	Bracket	
5	7028125	1	Grapple	
6	7028127	2	Cylinder, Tilt	
	7028910	AR	Kit, Seal	
7	7028131	6	Bushing	
8	7028128	2	Pin	
9	7028129	2	Pin, Locking	
10	7028130	2	Pin	
11	7028135	4	Pin, Roll	
12	7028134	8	Pin, Roll	
13	7029124	2	Circlip	
14	7029749	1	Assembly, Connecting	
15	7028986	1	Hose	
16	7028987	1	Hose	
17	7028988	1	Hose	
18	7028989	1	Hose	
19	7028984	2	Hose	
20	1001094555	1	Coupler, Female	
21	1001094556	1	Coupler, Male	
101	Kit	1	Kit	

FIGURE 3-20. BUCKET (MANURE GRAPPLE)

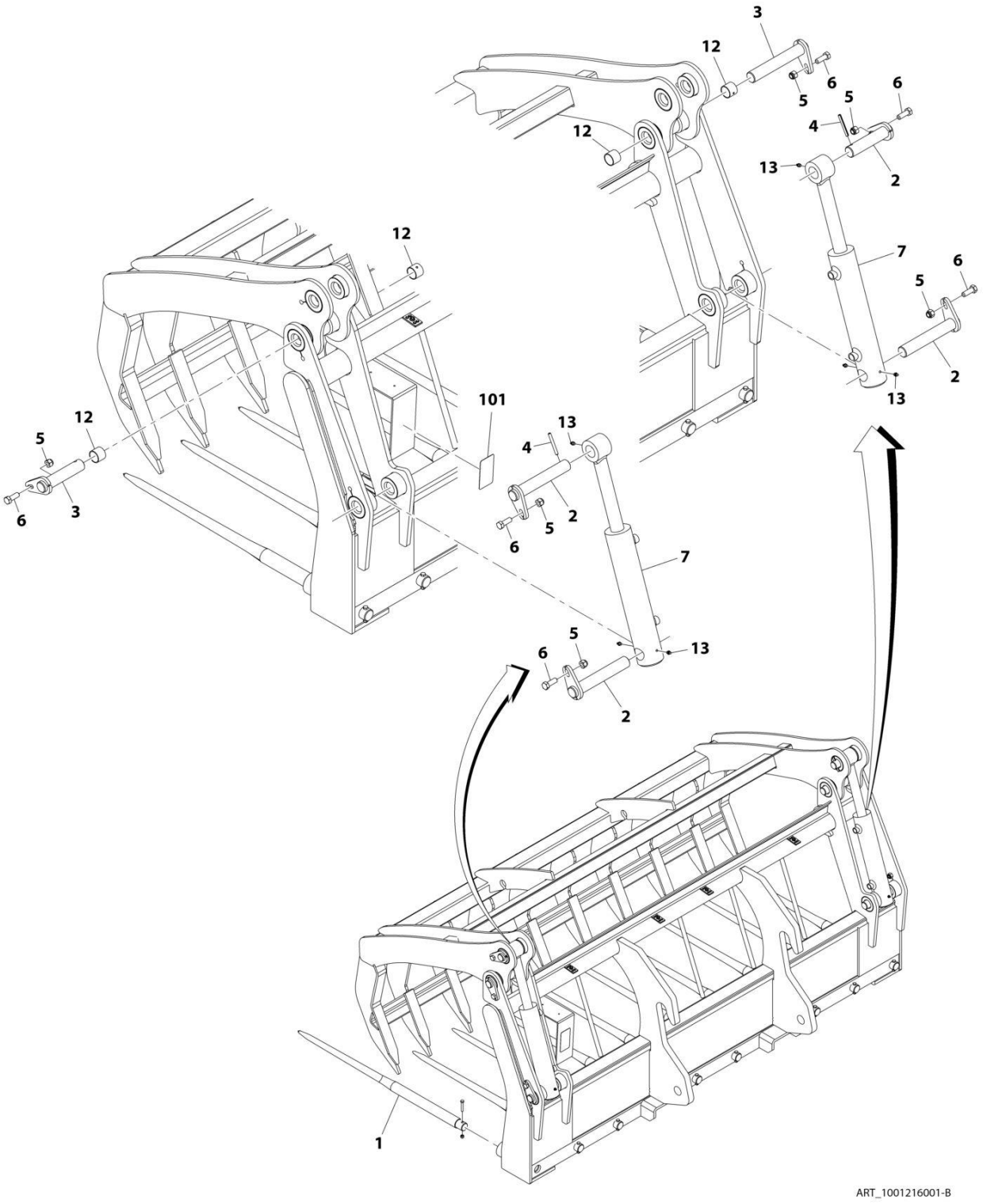


FIGURE 3-20. BUCKET (MANURE GRAPPLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216001	1	Manure Grapple Bucket (2300 MM)	D
1	70027302	10	Right Electro-Forged Fingers	
2	70027294	4	Pin	
3	70027293	2	Pin	
4	70027298	2	Roll Pin	
5	70027296	6	Nut	
6	70027297	6	Screw	
7	7028127	2	Cylinder	
8	70027325	1	Hose (not shown)	
9	7028988	1	Hose (not shown)	
10	70027326	1	Hose (not shown)	
11	7028986	1	Hose (not shown)	
12	7028131	10	Bush	
13	7028918	6	Grease Nipple	
101	N.S.S.	1	Plate, Serial Number	

FIGURE 3-21. BUCKET(0.6 M³) (MULTI-PURPOSE 4 IN 1)

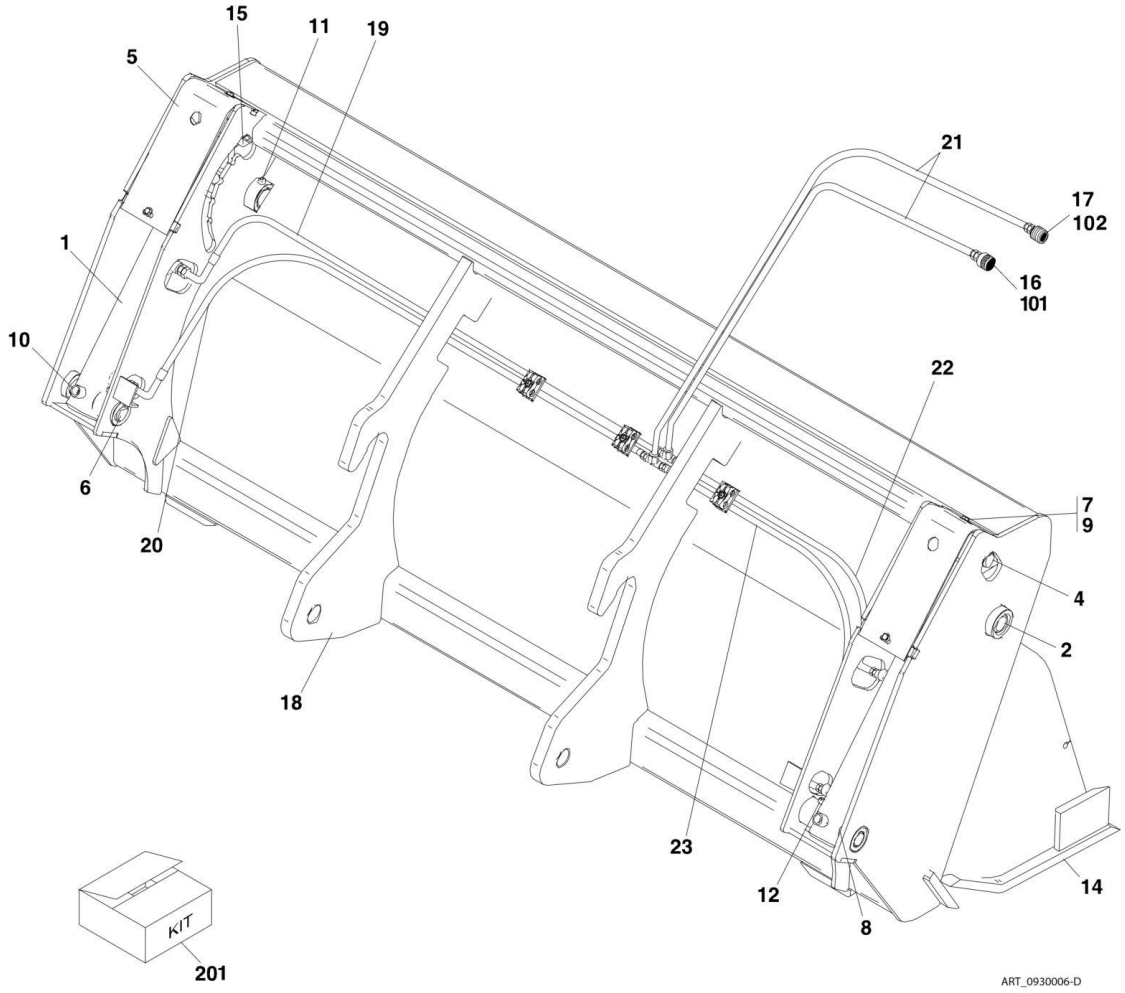


FIGURE 3-21. BUCKET(0.6 M³) (MULTI-PURPOSE 4 IN 1)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0930006	1	4 in 1 Bucket 0.6 M³	D
1	7028990	2	Cylinder	
1	7028910	1	Kit, Seal, Cylinder	
2	7028911	2	Pin	
3	7028912	6	Nut, (not shown)	
4	7028913	2	Pin	
5	7028914	2	Plate, Protective	
6	7028915	2	Pin	
7	7028916	4	Bolt	
8	7028131	6	Bushing	
9	7028917	4	Washer	
10	7028918	6	Nipple, Grease	
11	7028920	2	Screw	
12	7028919	4	Screw	
14	N.S.S.	1	Weldment	
15	7028923	1	Gauge	
16	1001094555	1	Adapter, Female Quick Disconnect	
17	1001094556	1	Adapter, Male Quick Disconnect	
18	N.S.S.	1	Weldment	
19	7028982	1	Hose	
20	7028983	1	Hose	
21	7028984	2	Hose	
22	7028985	1	Hose	
23	7028991	1	Hose	
101	1001093826	1	Cap, Dust	
102	1001093827	1	Plug, Dust	
201	1001097287	1	Kit, Quick Disconnect Adapter (includes items 16, 17, 101 & 102)	

FIGURE 3-22. BUCKET(1M³/1.25YD³) (GENERAL PURPOSE - ROUND HEEL)

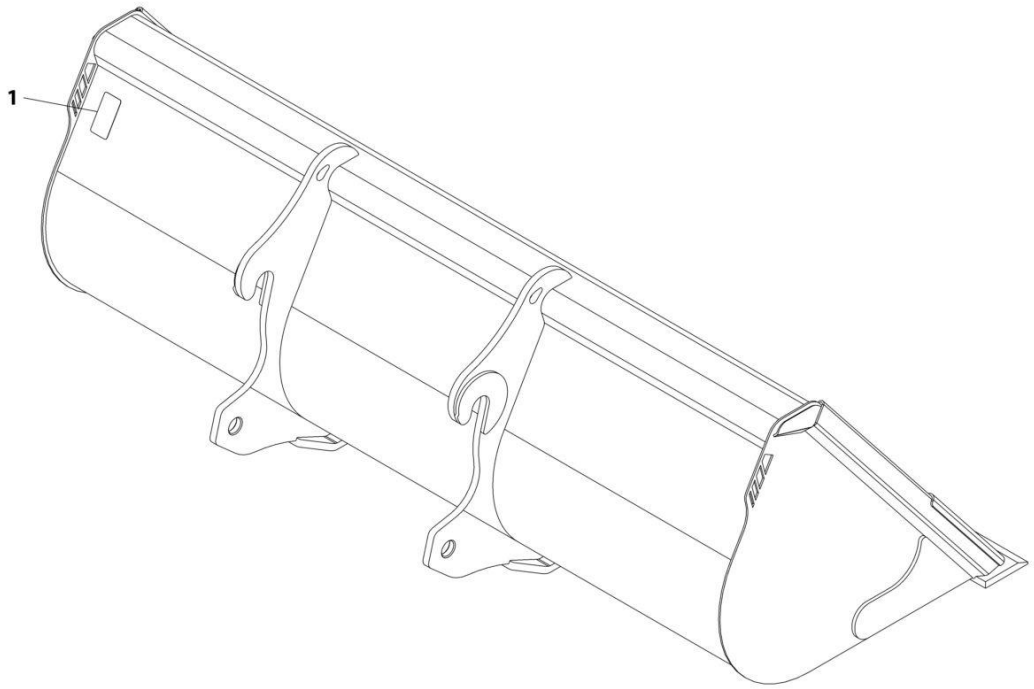


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FIGURE 3-22. BUCKET(1M³/1.25YD³) (GENERAL PURPOSE - ROUND HEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215988	1	Bucket (1 m³)	D
1	N.S.S.	1	Plate, Serial Number	
2	70031031	1	Attachment, Cutting Edge (Optional - Must be Ordered Separately) (Not Shown)	

FIGURE 3-23. BUCKET(1M³/1.25YD³) (GENERAL PURPOSE - ANGULAR HEEL)

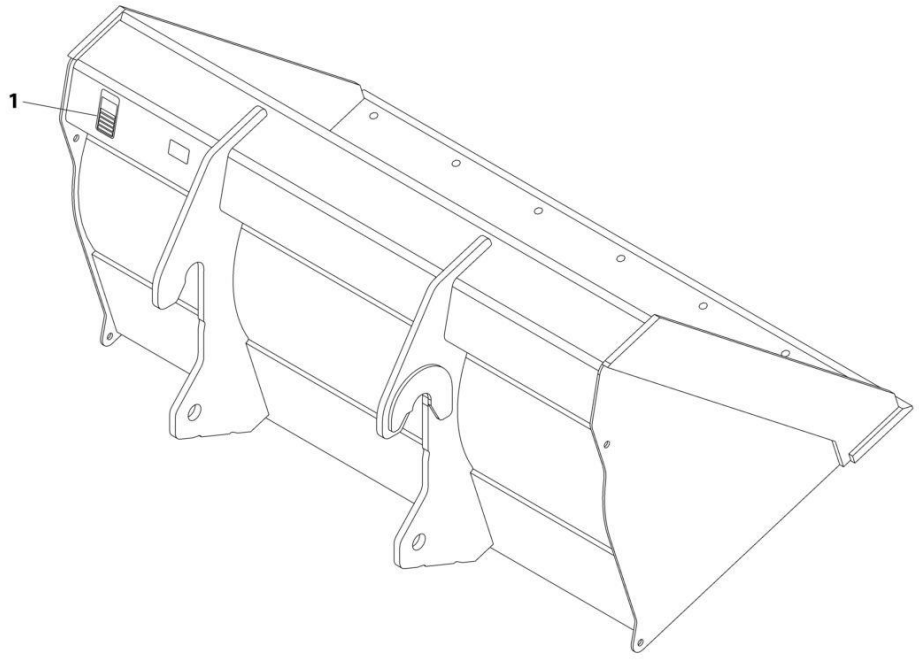


FIGURE 3-23. BUCKET(1M³/1.25YD³) (GENERAL PURPOSE - ANGULAR HEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290109	Ref	BUCKET	B
1	N.S.S.	1	Plate, Serial Number	

FIGURE 3-24. BUCKET(1 M³) (MULTI-PURPOSE 4 IN 1)

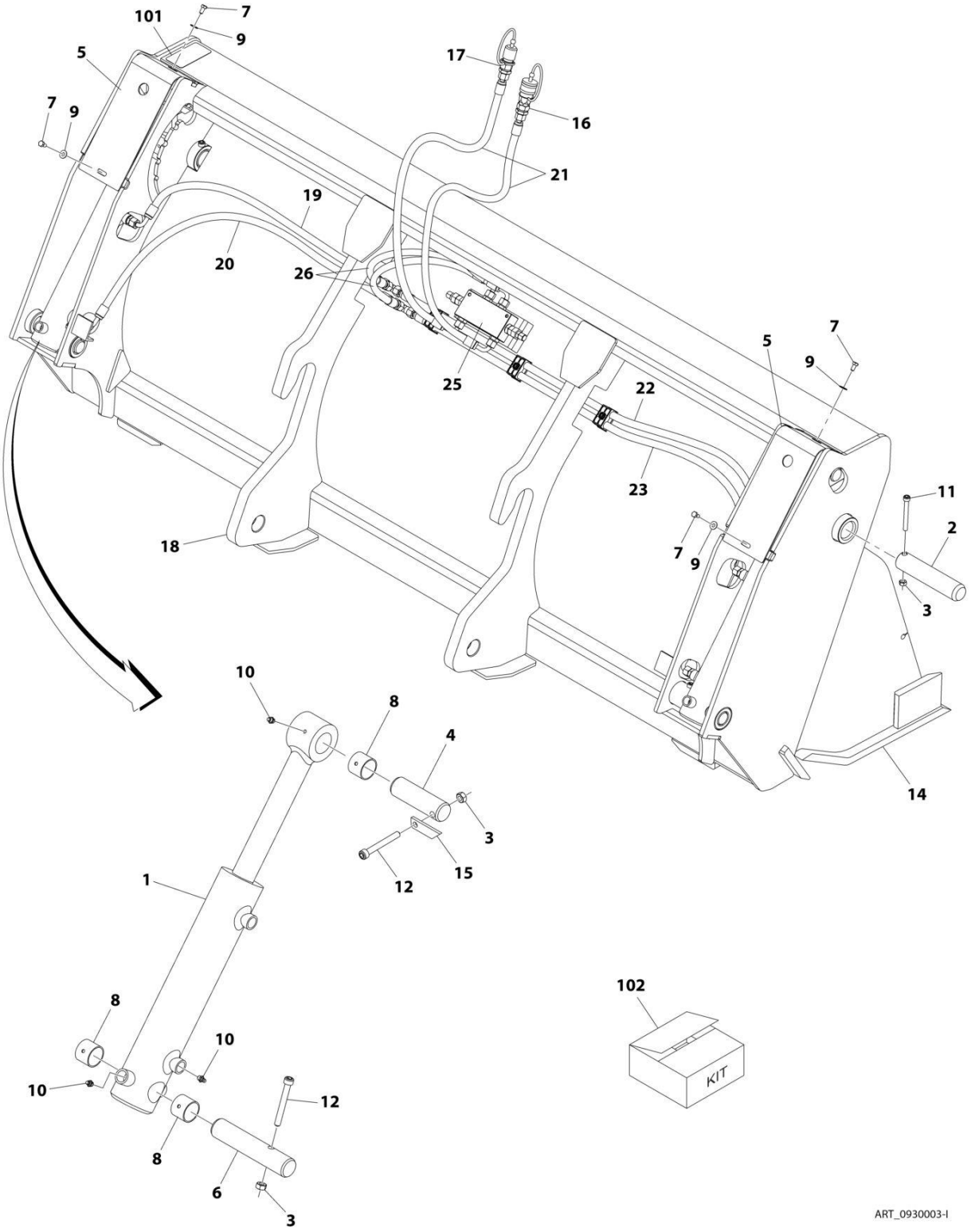
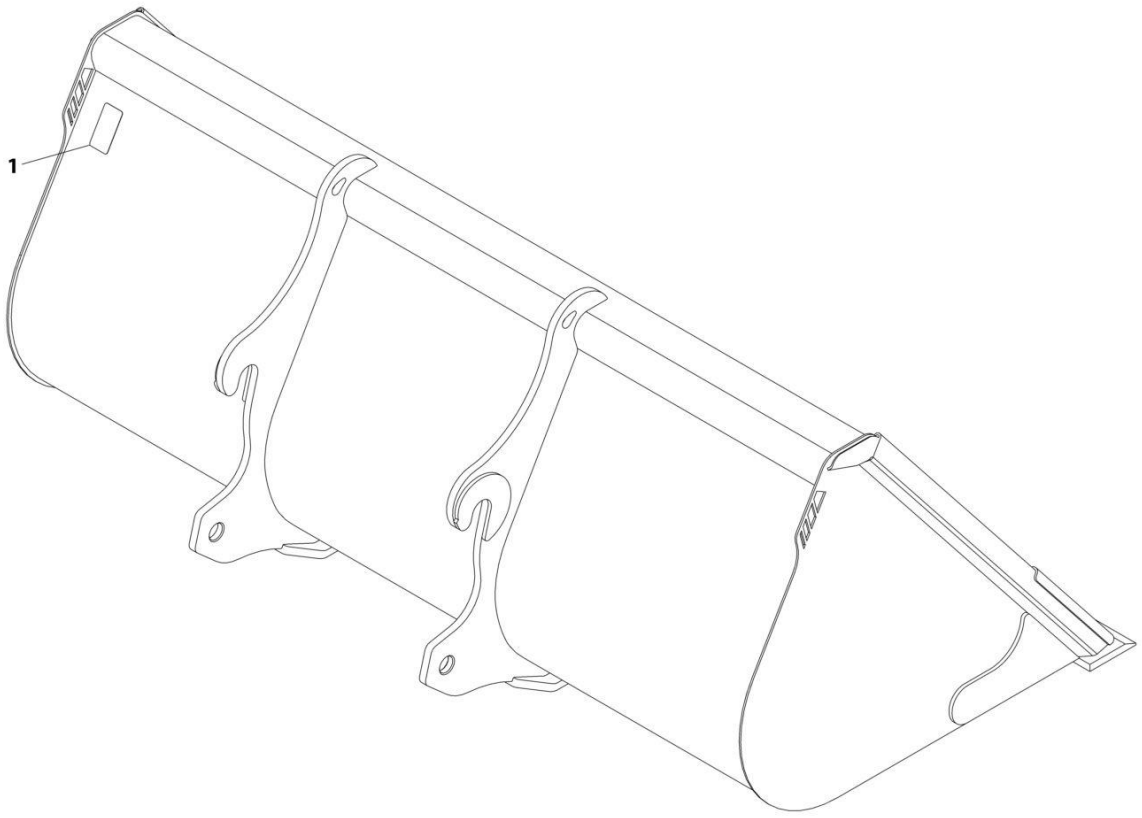


FIGURE 3-24. BUCKET(1 M³) (MULTI-PURPOSE 4 IN 1)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0930003	Ref	4 in 1 Bucket (1.0 m³)	I
1	7028990	2	Cylinder	
	7028910	AR	Kit, Seal, Cylinder	
2	7028911	2	Pin	
3	7028912	6	Nut, (not shown)	
4	7028913	2	Pin	
5	N.S.S.	2	Plate	
6	7028915	2	Pin	
7	7028916	4	Bolt	
8	7028131	6	Bushing	
9	7028917	4	Washer	
10	7028918	6	Nipple, Grease	
11	7028920	2	Screw	
12	7028919	4	Screw	
14	N.S.S.	1	Weldment	
15	7028923	1	Gauge	
16	1001094555	1	Coupling, Female Quick Disconnect	
17	1001094556	1	Coupling, Male Quick Disconnect	
18	N.S.S.	1	Weldment	
19	7028982	1	Hose	
20	7028983	1	Hose	
21	7028984	2	Hose	
22	7028995	1	Hose	
23	7028991	1	Hose	
24	70027291	1	Balancing Valve	
26	70029011	2	Hose	
101	N.S.S.	1	S/N Plate	
102	1001097287	1	Quick Disconnect Coupling Kit, (includes items 16, 17 dust cap and dust plug)	

FIGURE 3-25. BUCKET (1.5M³/2YD³) (GENERAL PURPOSE - ROUND HEEL)



ART_1001215990-B

FIGURE 3-25. BUCKET (1.5M³/2YD³) (GENERAL PURPOSE - ROUND HEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215990	1	Bucket (1.5 m³)	D
1	N.S.S.	1	Plate, Serial Number	
2	70031031	1	Attachment, Cutting Edge (Optional - Must be Ordered Separately) (Not Shown)	

FIGURE 3-26. BUCKET (1.5M³/2YD³) (GENERAL PURPOSE - ANGULAR HEEL)

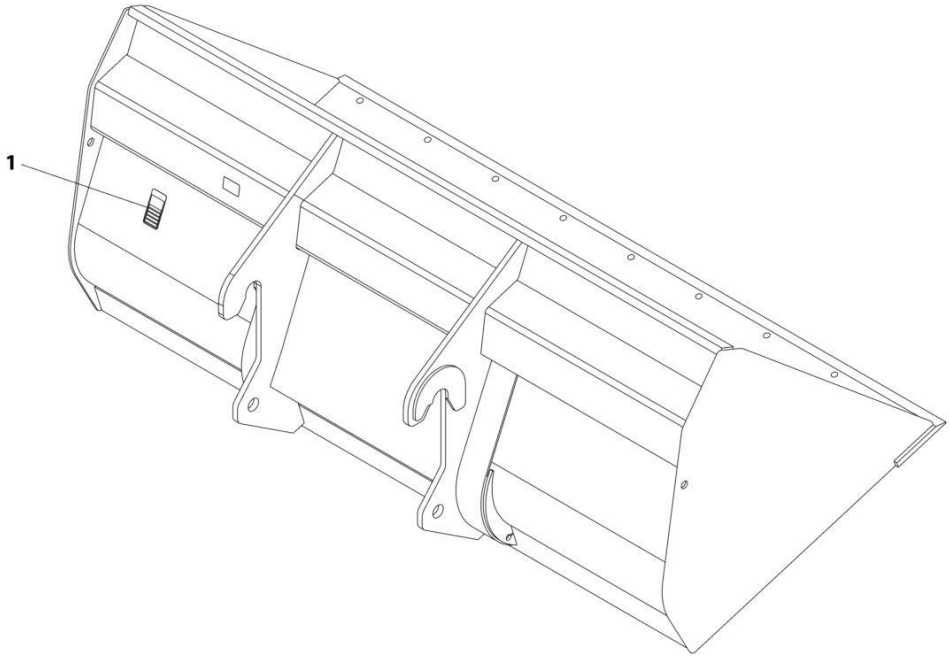
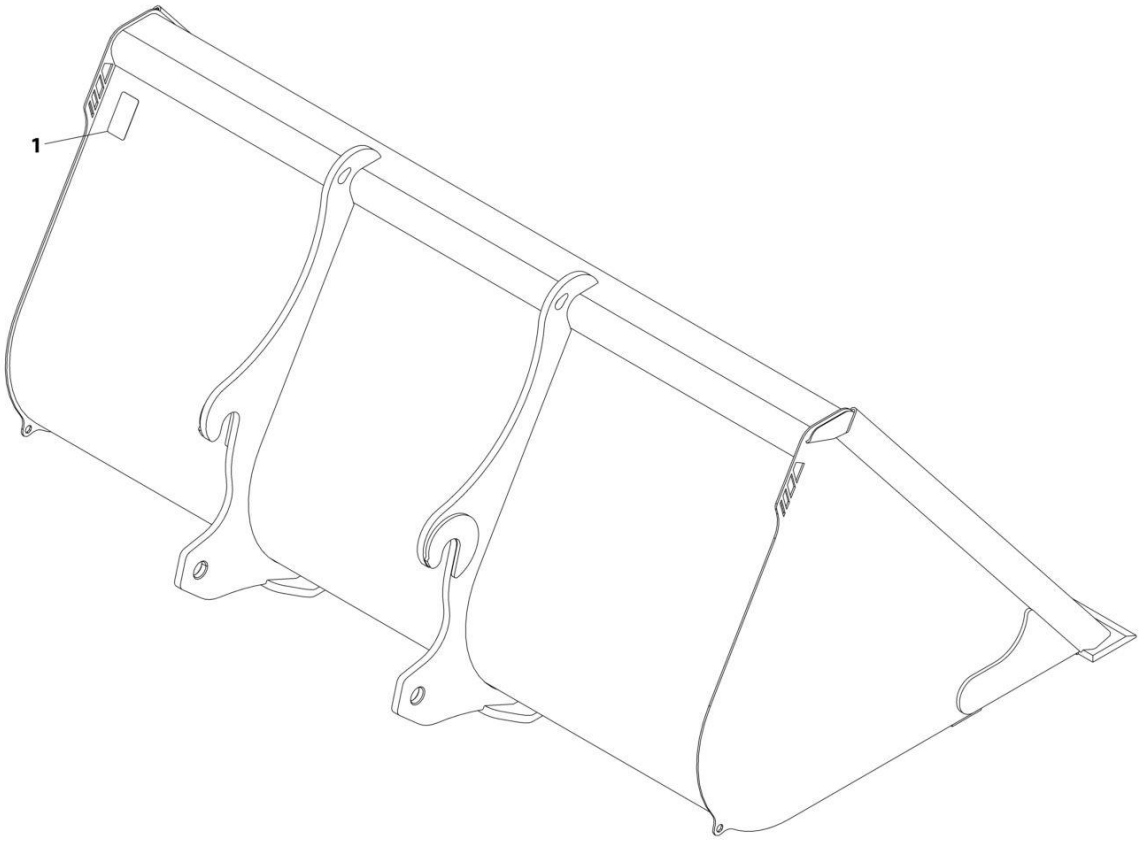


FIGURE 3-26. BUCKET (1.5M³/2YD³) (GENERAL PURPOSE - ANGULAR HEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290111	Ref	BUCKET	B
1	N.S.S.	1	Plate, Serial Number	

FIGURE 3-27. BUCKET (2M³/2.6YD³) (GENERAL PURPOSE - ROUND HEEL)

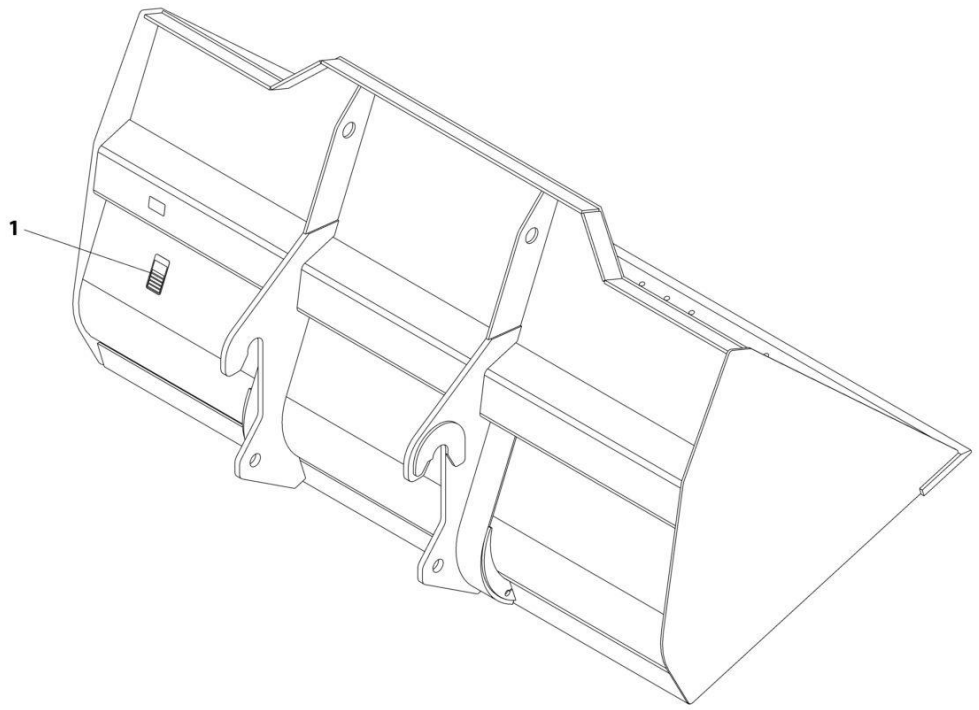


ART_1001215992-B

FIGURE 3-27. BUCKET (2M³/2.6YD³) (GENERAL PURPOSE - ROUND HEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215992	1	Bucket (2 m³)	D
1	N.S.S.	1	Plate, Serial Number	
2	70031031	1	Attachment, Cutting Edge (Optional - Must be Ordered Separately) (Not Shown)	

FIGURE 3-28. BUCKET (2M³/2.6YD³) (GENERAL PURPOSE - ANGULAR HEEL)

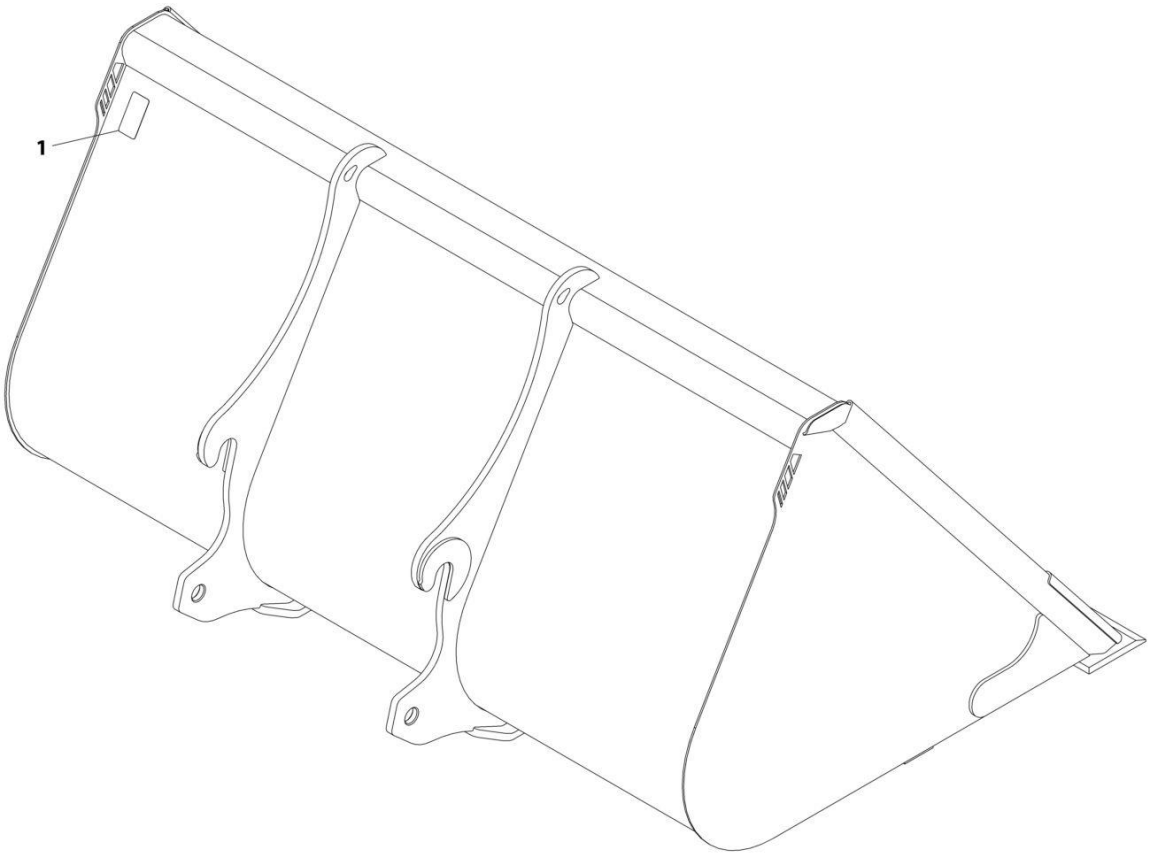


ART_1001290113

FIGURE 3-28. BUCKET (2M³/2.6YD³) (GENERAL PURPOSE - ANGULAR HEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290113	Ref	BUCKET	B
1	N.S.S.	1	Plate, Serial Number	

FIGURE 3-29. BUCKET (2.5M³/3.25YD³) (GENERAL PURPOSE - ROUND HEEL)



ART_1001215994-B

FIGURE 3-29. BUCKET (2.5M³/3.25YD³) (GENERAL PURPOSE - ROUND HEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215994	1	Bucket (2.5 m³)	D
1	N.S.S.	1	Plate, Serial Number	
2	70031031	1	Attachment, Cutting Edge (Optional - Must be Ordered Separately) (Not Shown)	

FIGURE 3-30. BUCKET (2.5M³/3.25YD³) (GENERAL PURPOSE - ANGULAR HEEL)

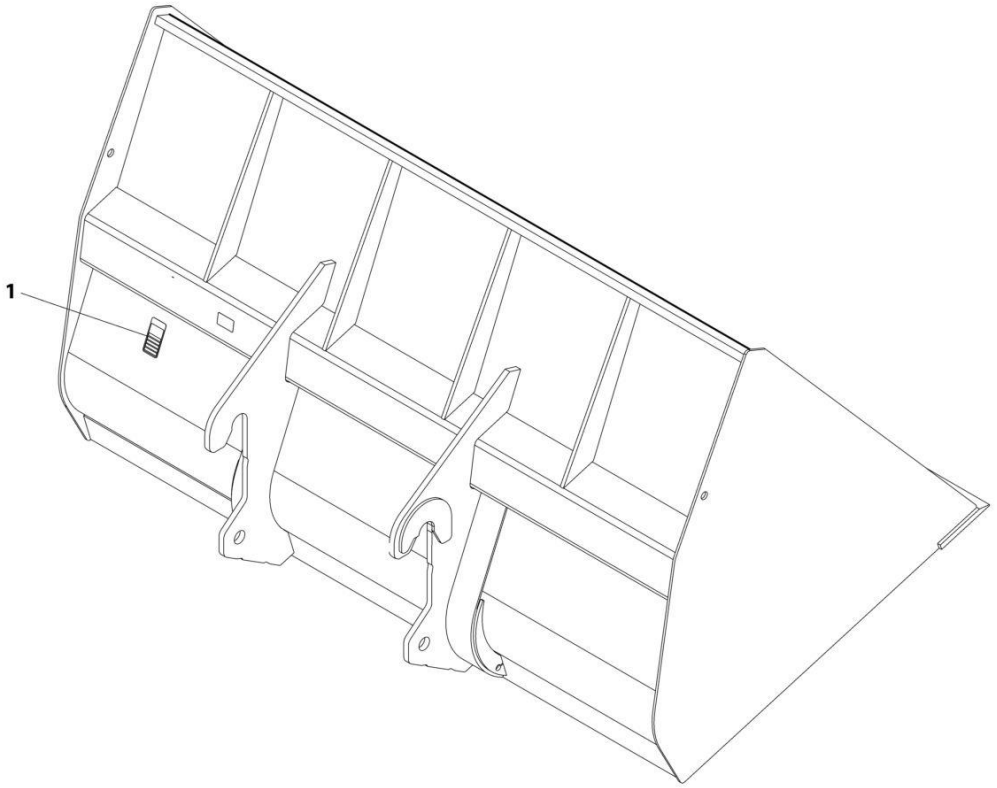
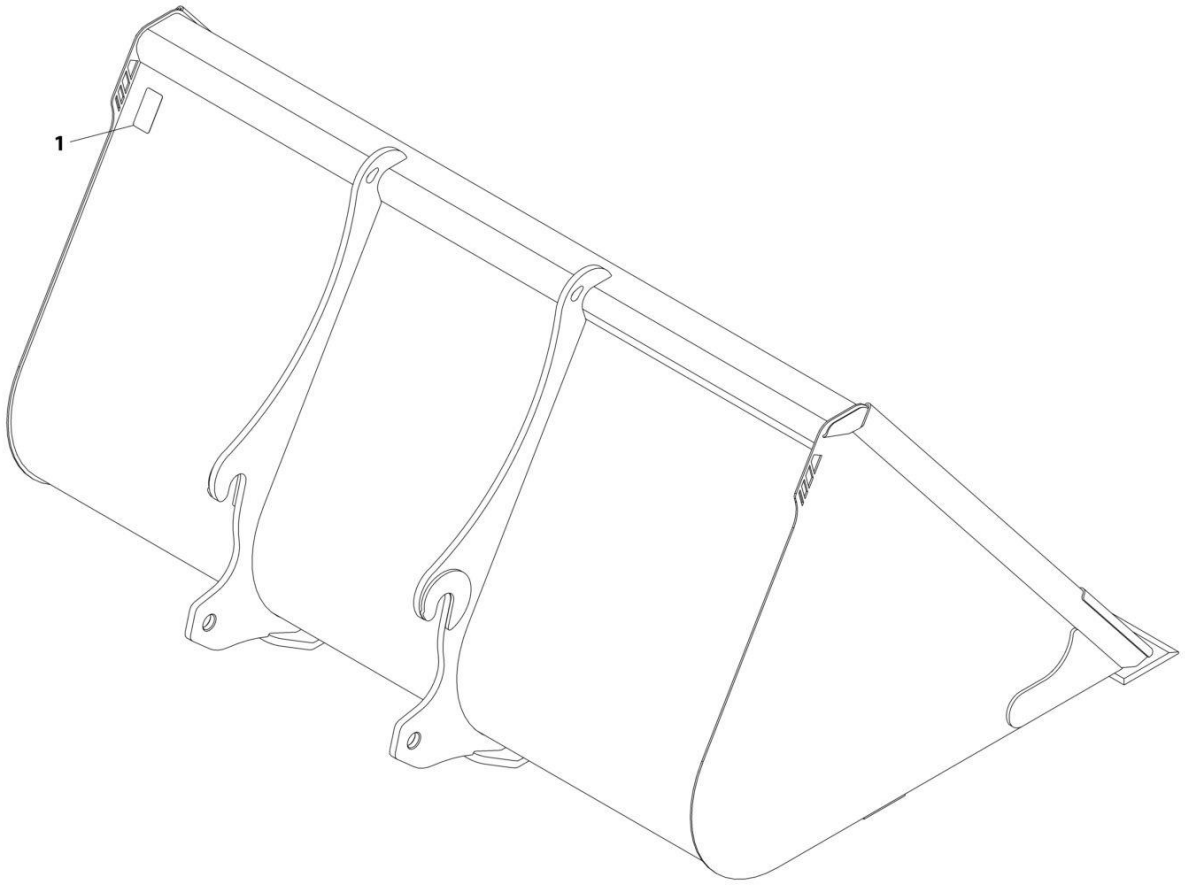


FIGURE 3-30. BUCKET (2.5M³/3.25YD³) (GENERAL PURPOSE - ANGULAR HEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290115	Ref	BUCKET	B
1	N.S.S.	1	Plate, Serial Number	

FIGURE 3-31. BUCKET (3M³/4YD³) (GENERAL PURPOSE - ROUND HEEL)



ART_1001215996-B

FIGURE 3-31. BUCKET (3M³/4YD³) (GENERAL PURPOSE - ROUND HEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215996	1	Bucket (3 m³)	D
1	N.S.S.	1	Plate, Serial Number	
2	70031032	1	Attachment, Cutting Edge (Optional - Must be Ordered Separately) (Not Shown)	

FIGURE 3-32. BUCKET (3M³/4YD³) (GENERAL PURPOSE - ANGULAR HEEL)

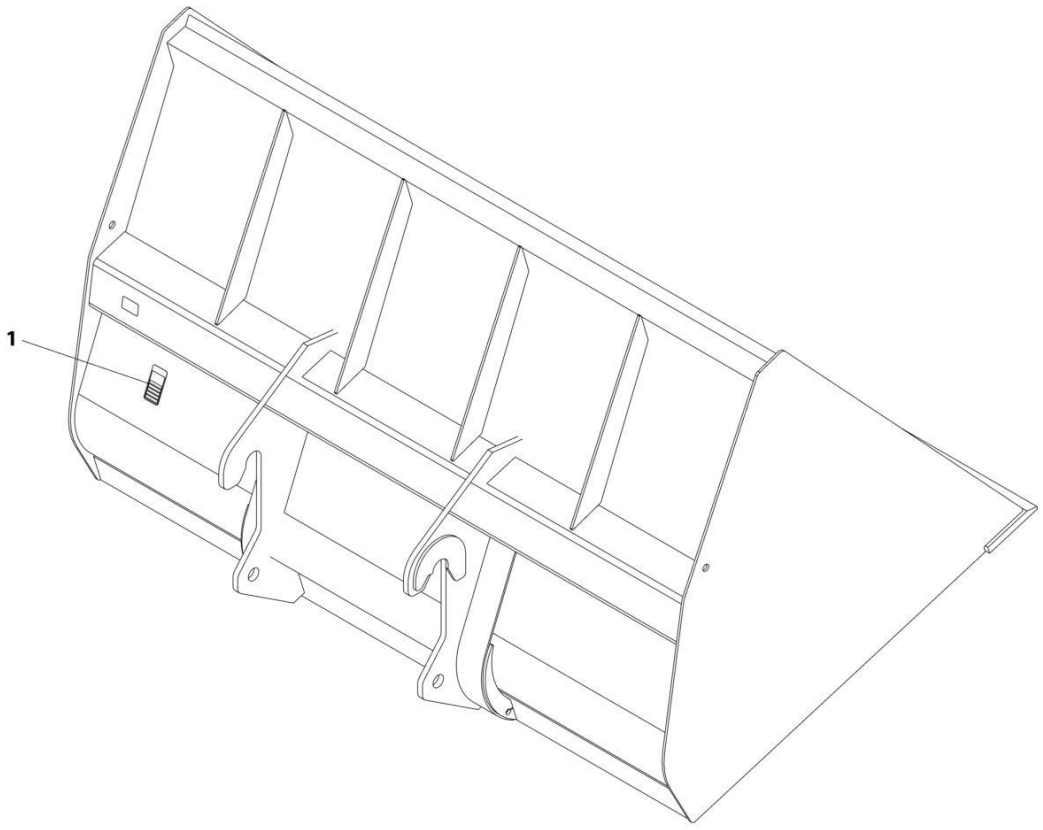
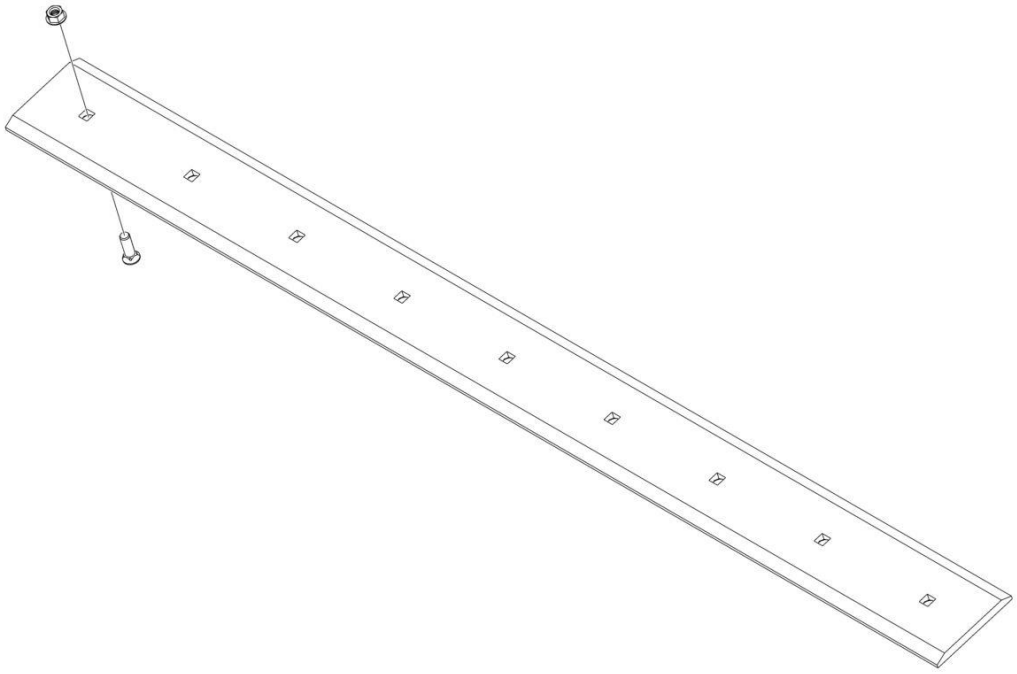


FIGURE 3-32. BUCKET (3M³/4YD³) (GENERAL PURPOSE - ANGULAR HEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290122	Ref	BUCKET	B
1	N.S.S.	1	Plate, Serial Number	

FIGURE 3-33. BUCKET BOLT-ON EDGE (ONE PIECE)

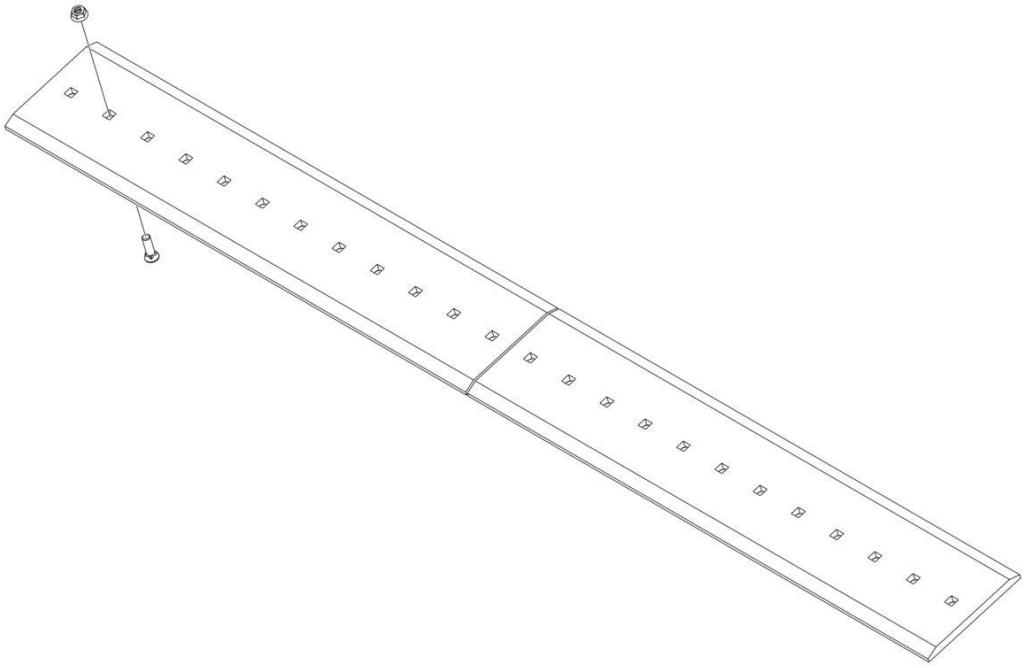


ART_1001290442

FIGURE 3-33. BUCKET BOLT-ON EDGE (ONE PIECE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290442	Ref	BOLT-ON EDGE	A
	See Note	Ref	Note: No Service Parts Available at Time of Printing.	

FIGURE 3-34. BUCKET BOLT-ON EDGE (TWO PIECE)

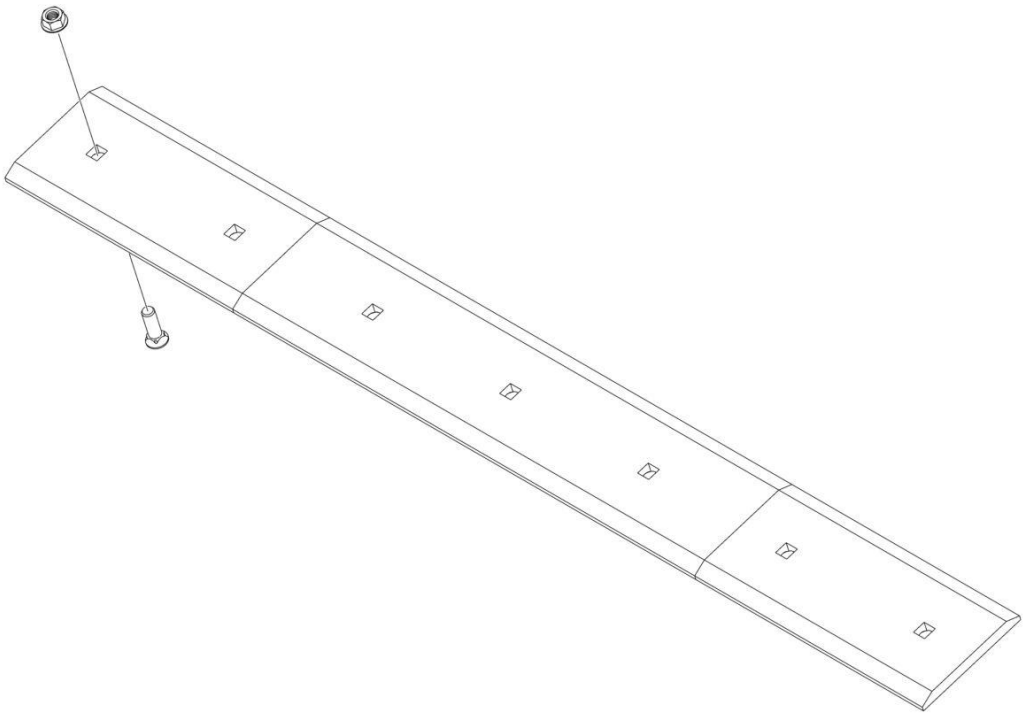


ART_1001290441

FIGURE 3-34. BUCKET BOLT-ON EDGE (TWO PIECE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290441	Ref	BOLT-ON EDGE	A
	See Note	Ref	Note: No Service Parts Available at Time of Printing.	

FIGURE 3-35. BUCKET BOLT-ON EDGE (THREE PIECE)



ART_1001290440

FIGURE 3-35. BUCKET BOLT-ON EDGE (THREE PIECE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290440	Ref	BOLT-ON EDGE	A
	See Note	Ref	Note: No Service Parts Available at Time of Printing.	

FIGURE 3-36. BUCKET FRONT GUARD

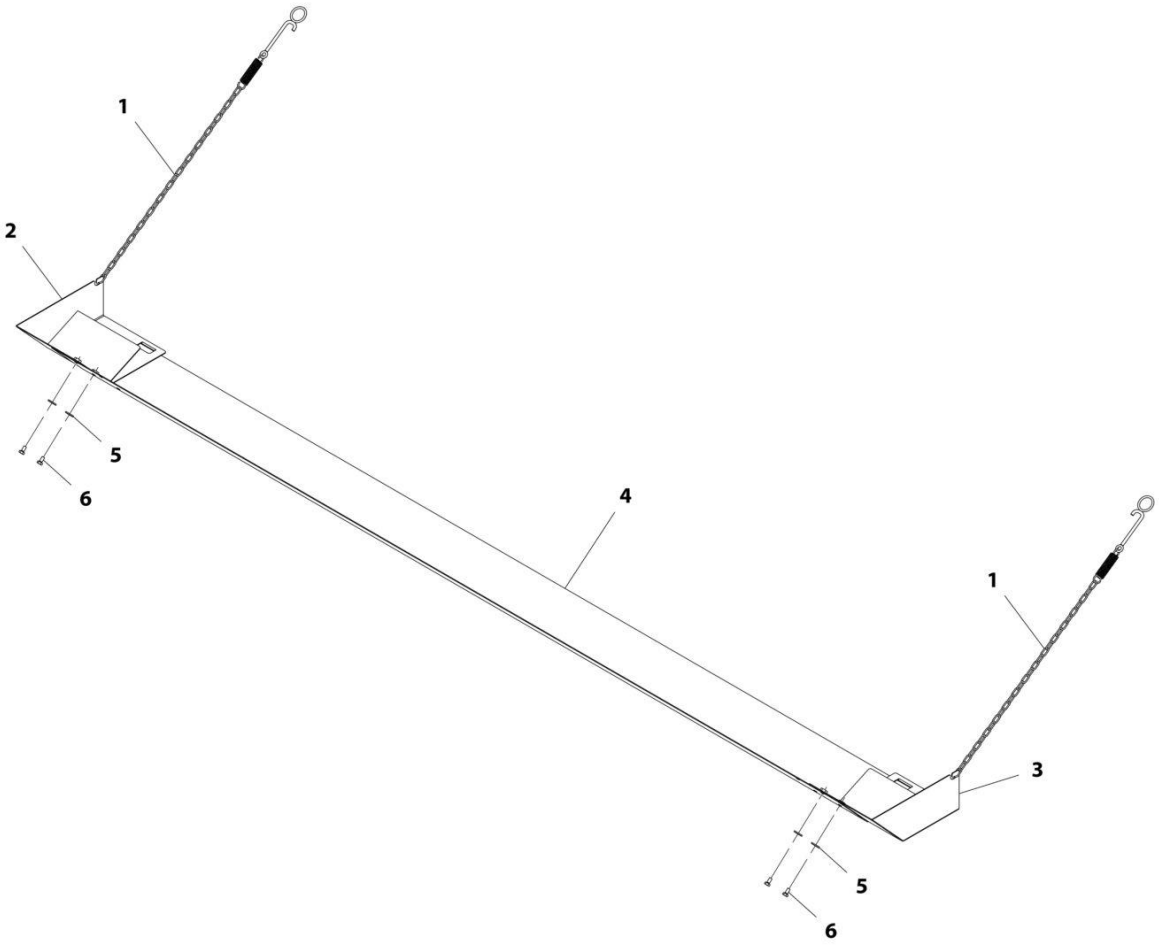


FIGURE 3-36. BUCKET FRONT GUARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001004620	1	Bucket Guard	B
1	1001003064	2	Assembly, Retainer	
2	1001004617	1	Plate	
3	1001004618	1	Plate	
4	1001004619	1	Plate	
5	1001008665	4	Washer	
6	1001009105	4	Bolt, M6X1	

FIGURE 3-37. BUCKET TEETH KIT

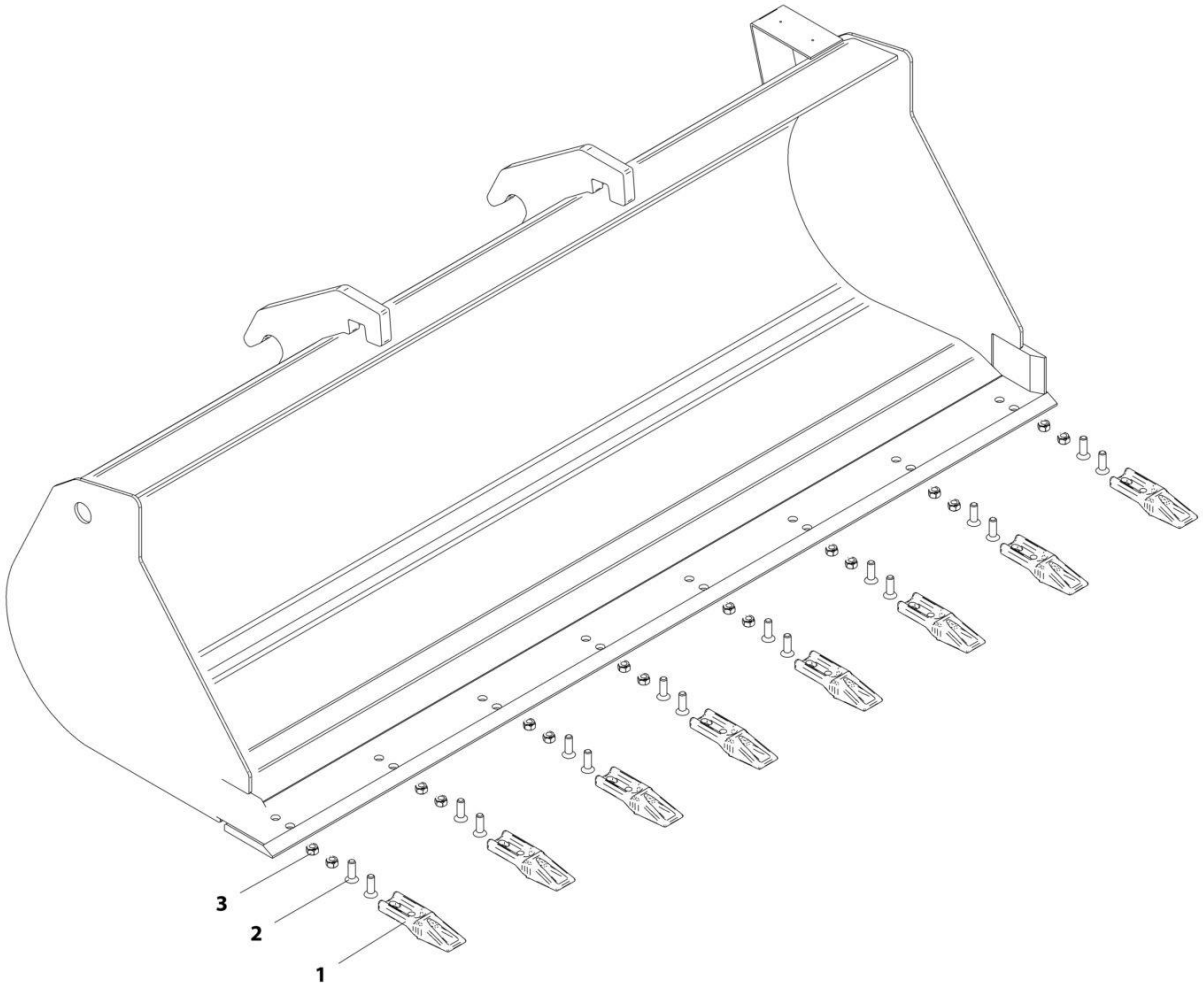


FIGURE 3-37. BUCKET TEETH KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196751	1	Bucket Teeth Kit	A
1	Kit	8	Tooth	
2	Kit	16	Screw	
3	Kit	16	Nut	

FIGURE 3-38. CARRIAGE ASSEMBLY (1225MM)

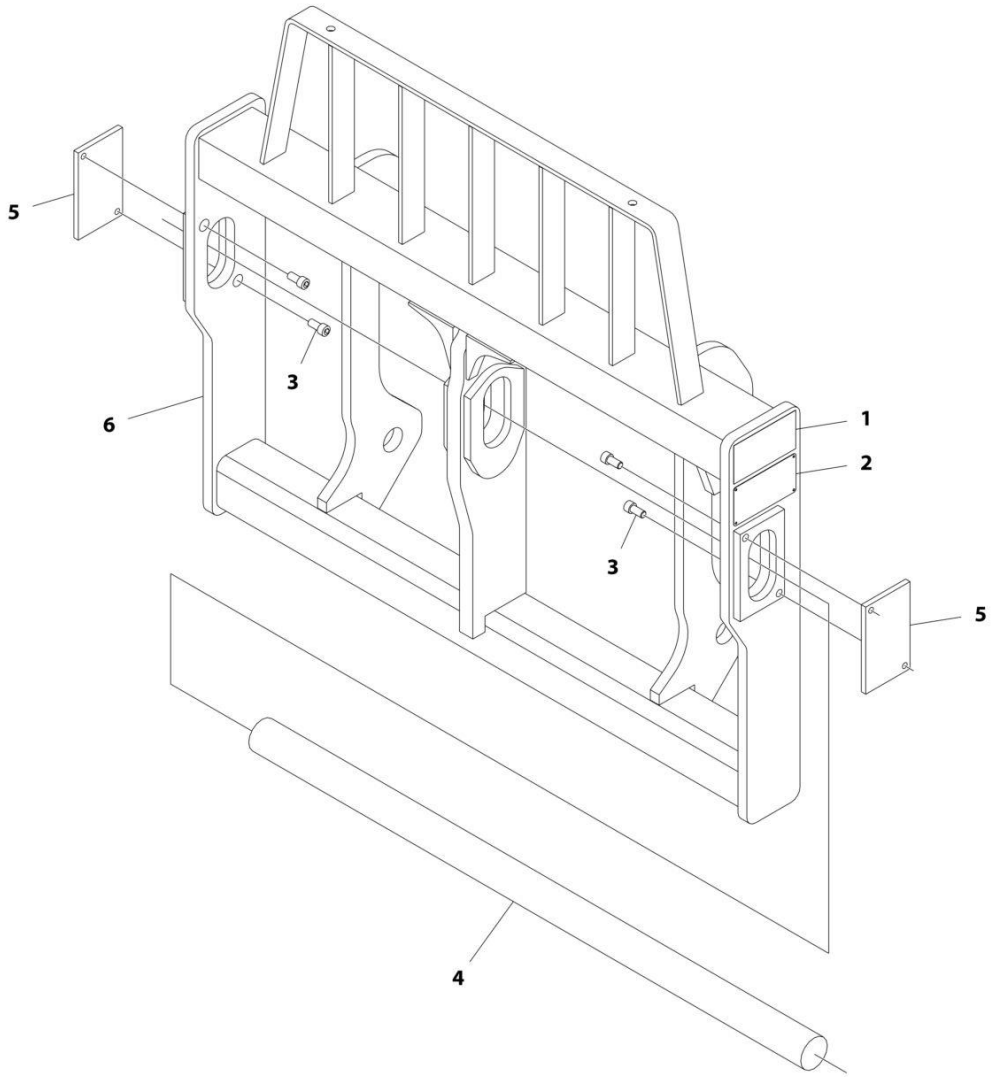


FIGURE 3-38. CARRIAGE ASSEMBLY (1225MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107581	Ref	CARRIAGE ASSEMBLY (1225MM)	E
1	See Note	NSS	Name Plate, Carriage (Note: Not Available for Purchase)	
2	See Note	NSS	Plate, Serial Number (Note: Not Available for Purchase)	
3	4032109	4	Bolt M12 x 25	
4	1001107336	1	Shaft, Carriage	
5	1001107338	2	Cover, Shaft	
6	See Note	NSS	Carriage (Note: Purchase PN 1001107581)	

FIGURE 3-39. CARRIAGE ASSEMBLY (1270MM)

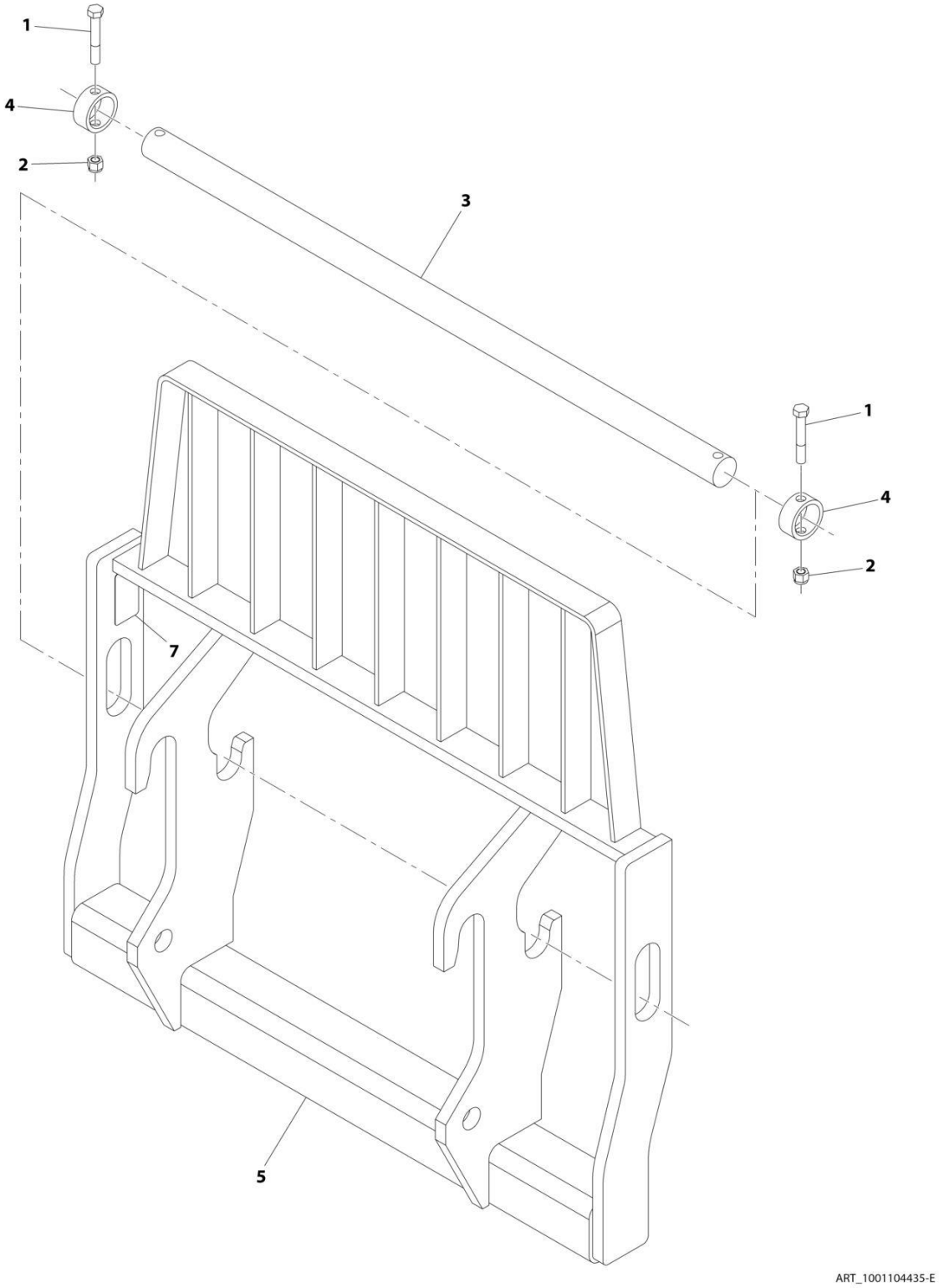


FIGURE 3-39. CARRIAGE ASSEMBLY (1270MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001104435	Ref	Carriage Assembly, (50Inch/1270mm)	H
1	0642032	2	Hex HD Capscrew, 5/8-11X4	
2	3300240	2	Locknut, 5/8-11	
3	3423275	1	Fork Pin	
4	90200003	2	Collar	
5	N.S.S.	1	Carriage Weldment	
7	N.S.S.	1	S/N Plate	

FIGURE 3-40. CARRIAGE ASSEMBLY (1524MM)

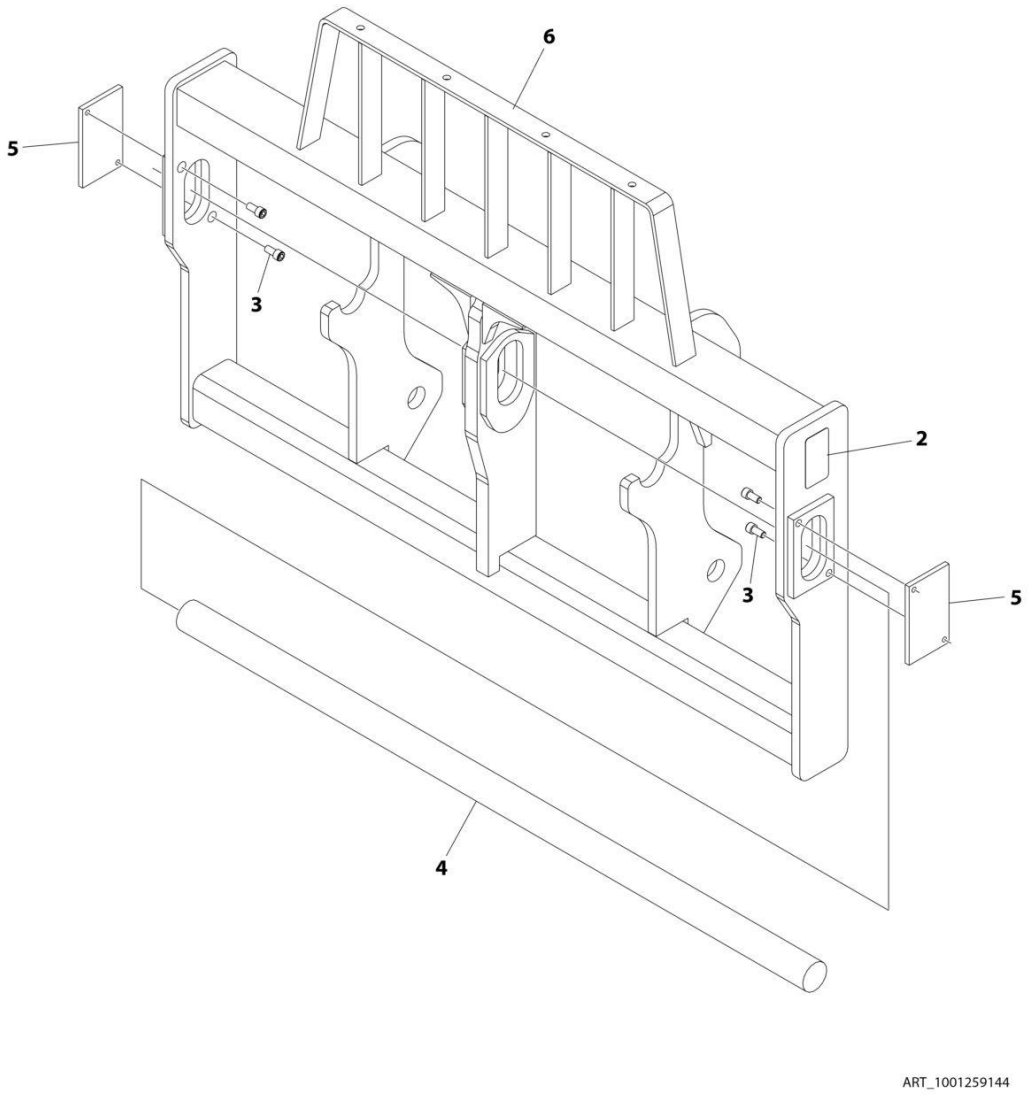


FIGURE 3-40. CARRIAGE ASSEMBLY (1524MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259144	Ref	CARRIAGE ASSEMBLY (1524MM)	C
1	See Note	NSS	Name Plate (Note: Not Available for Purchase)	
2	See Note	NSS	Plate, Serial Number (Note: Not Available for Purchase)	
3	70021504	4	Bolt M12X25	
4	70030283	1	Shaft, Carriage	
5	1001107338	2	Cover, Shaft	
6	See Note	NSS	Carriage (Use PN 1001259144)	

FIGURE 3-41. CARRIAGE ASSEMBLY (1829MM)

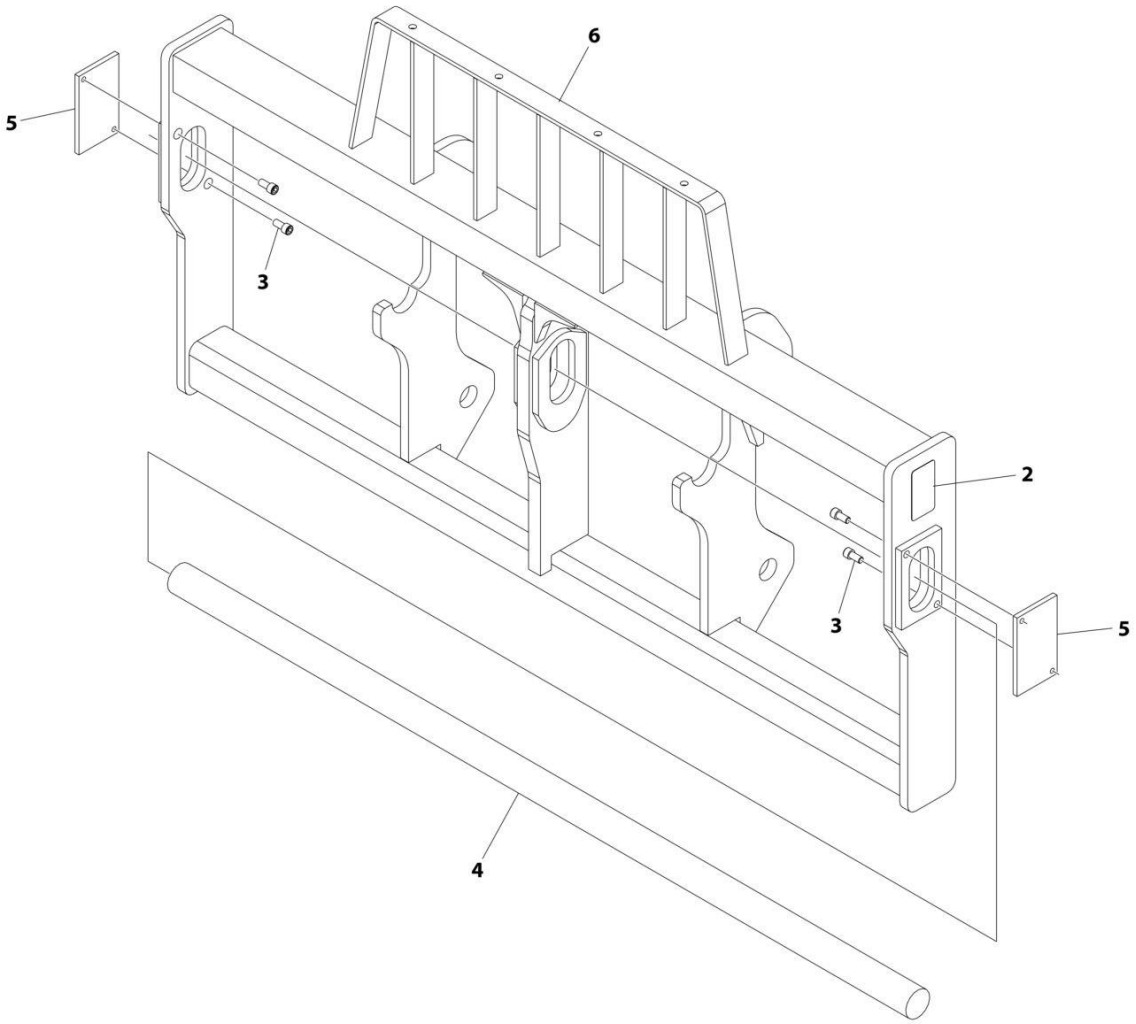


FIGURE 3-41. CARRIAGE ASSEMBLY (1829MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259146	Ref	CARRIAGE ASSEMBLY (1829MM)	C
1	See Note	NSS	Name Plate, Carriage (Note: Not Available for Purchase)	
2	See Note	NSS	Plate, Serial Number (Note: Not Available for Purchase)	
3	70021504	4	Bolt M12X25	
4	70030282	1	Shaft	
5	1001107338	2	Cover, Shaft	
6	See Note	NSS	Carriage (Note: Use PN 1001259146)	

FIGURE 3-42. CARRIAGE ASSEMBLY - SIDE TILTING (4.5 TON - 1225 MM)

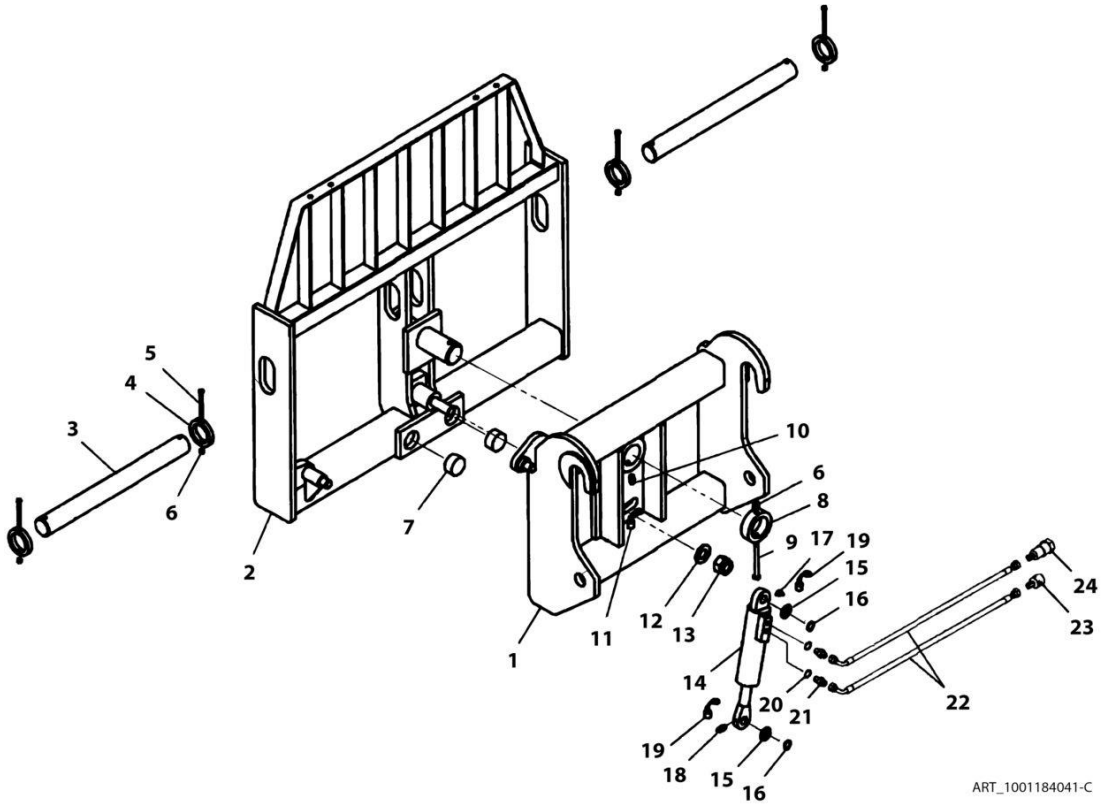


FIGURE 3-42. CARRIAGE ASSEMBLY - SIDE TILTING (4.5 TON - 1225 MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184041	1	Side Tilting Carriage (4.5 ton - 1225 MM)	E
1	N.S.S.	1	Carriage Weldment	
2	70027604	1	Fork, Carriage	
3	70027605	2	Pin	
4	70027606	4	Pin, Block	
5	70027607	4	Bolt	
6	70021241	5	Nut, Lock M12	
7	70021238	2	Buffer	
8	70021239	1	Collar	
9	70021240	1	Bolt	
10	70021242	1	Fitting, Grease	
11	70021243	1	Cover, Grease Fitting	
12	70021244	1	Washer	
13	70022697	1	Nut, Lock	
14	70020506	1	Cylinder	
15	70020507	1	Washer	
16	70020508	2	Ring, Snap	
17	70021245	1	Fitting, Grease	
18	70021246	1	Fitting, Grease	
19	70021247	2	Cover, Grease Fitting	
20	70020730	2	O-Ring	
21	70020731	2	Fitting	
22	70021248	2	Tube, Hydraulic	
23	1001094556	1	Coupling, Male Quick Disconnect	
24	1001094555	1	Coupling, Female Quick Disconnect	

FIGURE 3-43. CARRIAGE ASSEMBLY - SIDE TILTING (4.0 TON - 1575 MM)

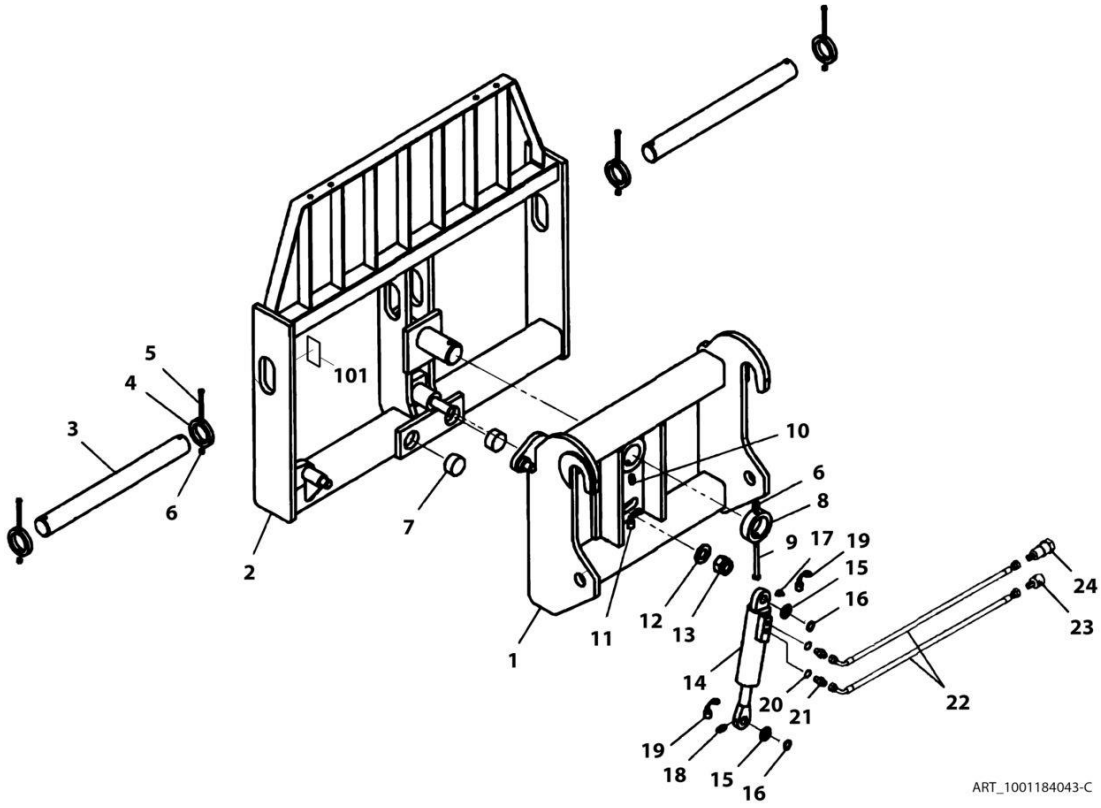


FIGURE 3-43. CARRIAGE ASSEMBLY - SIDE TILTING (4.0 TON - 1575 MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184043	1	Side Tilting Carriage (4.0 ton - 1575 MM)	E
1	N.S.S.	Ref	Weldment, Carriage	
2	70027604	1	Fork, Carriage	
3	70027605	2	Pin	
4	70027606	4	Pin, Block	
5	70027607	4	Bolt	
6	70021241	5	Locknut, M12	
7	70021238	2	Buffer	
8	70021239	1	Collar	
9	70021240	1	Bolt	
10	70021242	1	Fitting, Grease	
11	70021243	1	Cover, Grease Fitting	
12	70021244	1	Washer	
13	70022697	1	Bolt	
14	70020506	1	Cylinder	
15	70020507	1	Washer	
16	70020508	2	Ring, Snap	
17	70021245	1	Fitting, Grease	
18	70021246	1	Fitting, Grease	
19	70021247	2	Cover, Grease Fitting	
20	70020730	2	O-Ring	
21	70020731	2	Fitting, Straight	
22	70021248	2	Tube	
23	1001094556	1	Coupling, Male Quick Disconnect	
24	1001094555	1	Coupling, Female Quick Disconnect	
101	N.S.S.	Ref	Plate, Serial Number	

FIGURE 3-44. CARRIAGE ASSEMBLY - SID TILTING (4.0 TON - 1829 MM)

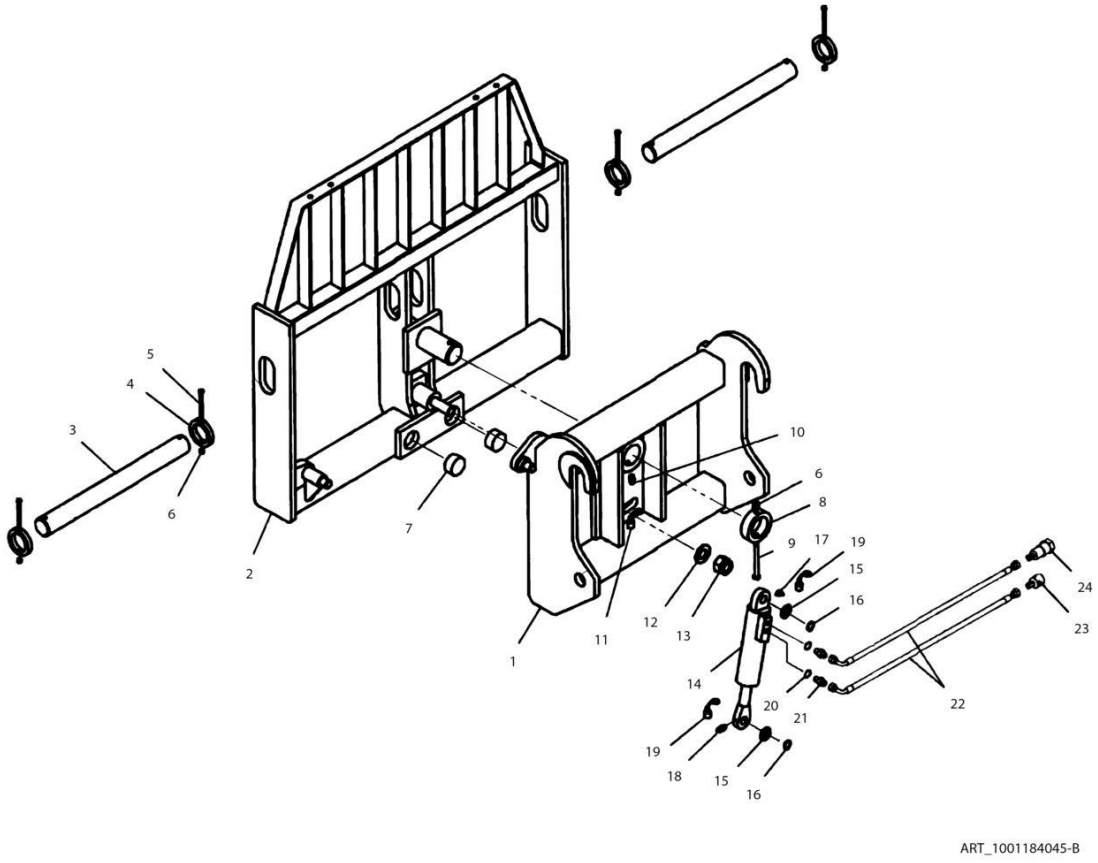


FIGURE 3-44. CARRIAGE ASSEMBLY - SID TILTING (4.0 TON - 1829 MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184045	1	Side Tilting Carriage (4.0 ton - 1829 MM)	E
1	N.S.S.	1	Weldment	
2	N.S.S.	1	Weldment, Carriage	
3	70027658	2	Shaft, Fork	
4	70027606	4	Pin, Block	
5	70027607	4	Bolt	
6	70021241	5	Nut, Lock M12	
7	70021238	2	Buffer	
8	70021239	1	Collar	
9	70021240	1	Bolt	
10	70021242	1	Fitting, Grease	
11	70021243	1	Cover	
12	70021244	1	Washer	
13	70022697	1	Nut, Lock	
14	70020506	1	Cylinder	
15	70020507	2	Washer	
16	70020508	2	Ring	
17	70021245	1	Fitting, Grease	
18	70021246	1	Fitting, Grease	
19	70021247	2	Cover	
20	70020730	2	O-Ring	
21	70020731	2	Link	
22	70027608	2	Pipe, Flexible	
23	1001094556	1	Coupling, Male Quick Disconnect	
24	1001094555	1	Coupling, Female Quick Disconnect	

FIGURE 3-45. CARRIAGE ASSEMBLY - SIDE SHIFT (4.0 TON - 1225 MM)

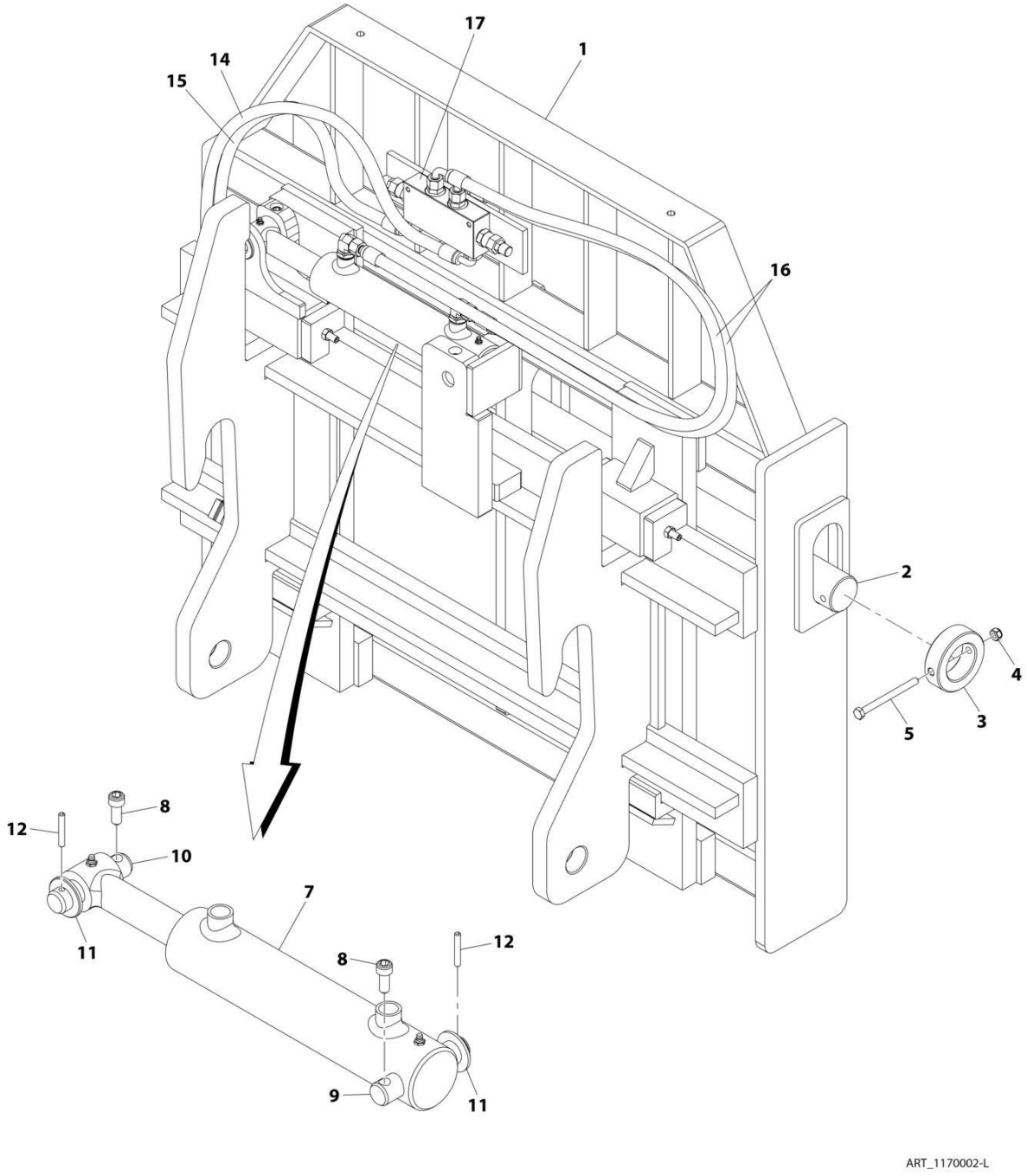


FIGURE 3-45. CARRIAGE ASSEMBLY - SIDE SHIFT (4.0 TON - 1225 MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170002	Ref	Side Shift Carriage (4.0 ton - 1255 MM)	L
1	N.S.S.	1	Carriage, Side Shift	
2	7028136	1	Bar, Fork Carrier	
3	7028137	2	Collar	
4	3291005	2	Nut, Lock M10X1.5	
5	0701029	2	Bolt, M10X120	
7	70021558	1	Cylinder	
8	70021559	2	Bolt	
9	70021560	1	Pin	
10	70021561	1	Pin	
11	70021562	2	Washer	
12	70021563	2	Pin	
13	N.S.S.	1	Plate, Serial Number, (not shown)	
14	70029011	3	Hose	
15	70029012	1	Hose	
16	70029013	2	Hose	
17	70027291	1	Balancing Valve	

FIGURE 3-46. CARRIAGE ASSEMBLY - FORK POSITIONING (4.0 TON

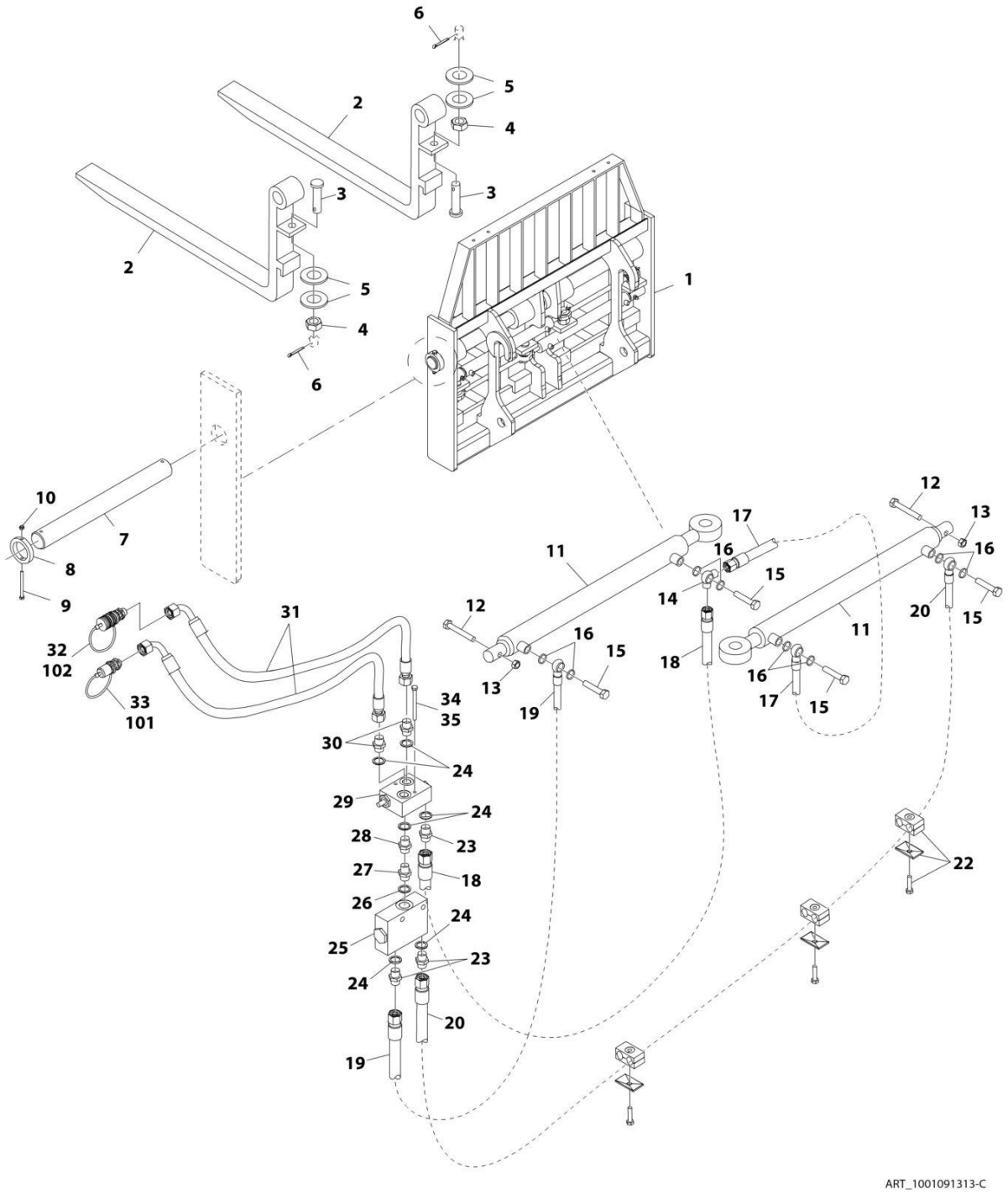


FIGURE 3-46. CARRIAGE ASSEMBLY - FORK POSITIONING (4.0 TON

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091313	Ref	Fork Positioning Carriage with Forks (4.0 ton)	D
1	N.S.S.	1	Weldment	
2	70022922	2	Forks, (100X50X1200), (2000kg per fork)	
3	70021835	2	Rod Pin	
4	70026018	2	Nut	
5	70028978	4	Washer	
6	70021836	2	Split Pin	
7	70022923	2	Carriage Shaft	
8	70022924	4	Shaft Collar	
9	70028979	4	Bolt	
10	70021241	4	Hex Locknut, M12	
11	70023276	2	Cylinder	
11	70023278	AR	Seal Kit, (use with cylinders marked 1.3351.01C.02.01)	
11	70023277	AR	Seal Kit, (use with cylinders marked 1.3351.01C.02.02)	
13	70028031	2	Locknut	
12	70028028	2	Bolt	
14	70022925	1	Elbow, 90	
15	1001103530	4	Bolt	
16	70020730	8	O-Ring	
17	70021838	1	Hose	
18	70021839	1	Hose	
19	70021840	1	Hose	
20	70021841	1	Hose	
22	1001103533	3	Clamp Set, (includes screw and plate)	
23	70020731	3	Fitting	
24	70022907	6	O-Ring	
25	70021842	1	Counter Valve	
26	70022927	1	O-Ring	
27	70022928	1	Fitting	
28	70022929	1	Fitting	
29	70021843	1	Pressure Valve	
30	70022906	2	Adapter	
31	70022930	2	Pipe	
32	1001094555	1	Female Quick Disconnect Coupling	
33	1001094556	1	Male Quick Disconnect Coupling	
34	70028980	2	Bolt	
35	70022912	2	Nut	
101	1001093826	1	Dust Cap	
102	1001093827	1	Dust Plug	

FIGURE 3-47. CARRIAGE ASSEMBLY - FEM CARRIAGE AND FORKS

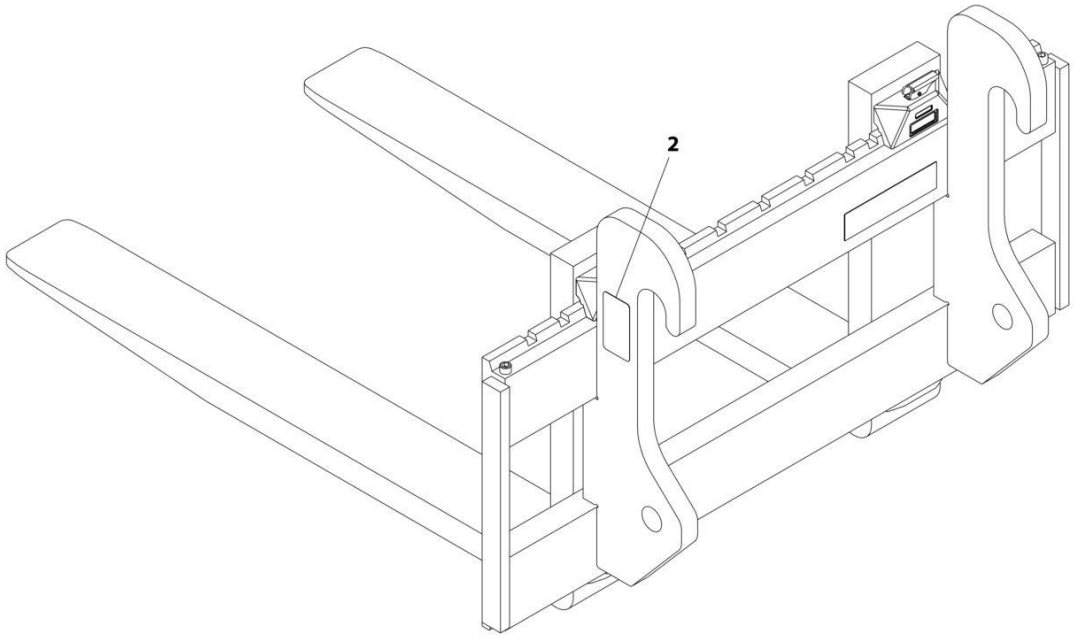


FIGURE 3-47. CARRIAGE ASSEMBLY - FEM CARRIAGE AND FORKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265218	Ref	FEM CARRIAGE AND FORKS	A
1	N.S.S.	1	Plate, Serial Number	

FIGURE 3-48. FORK - LUMBER (45X150X1540)

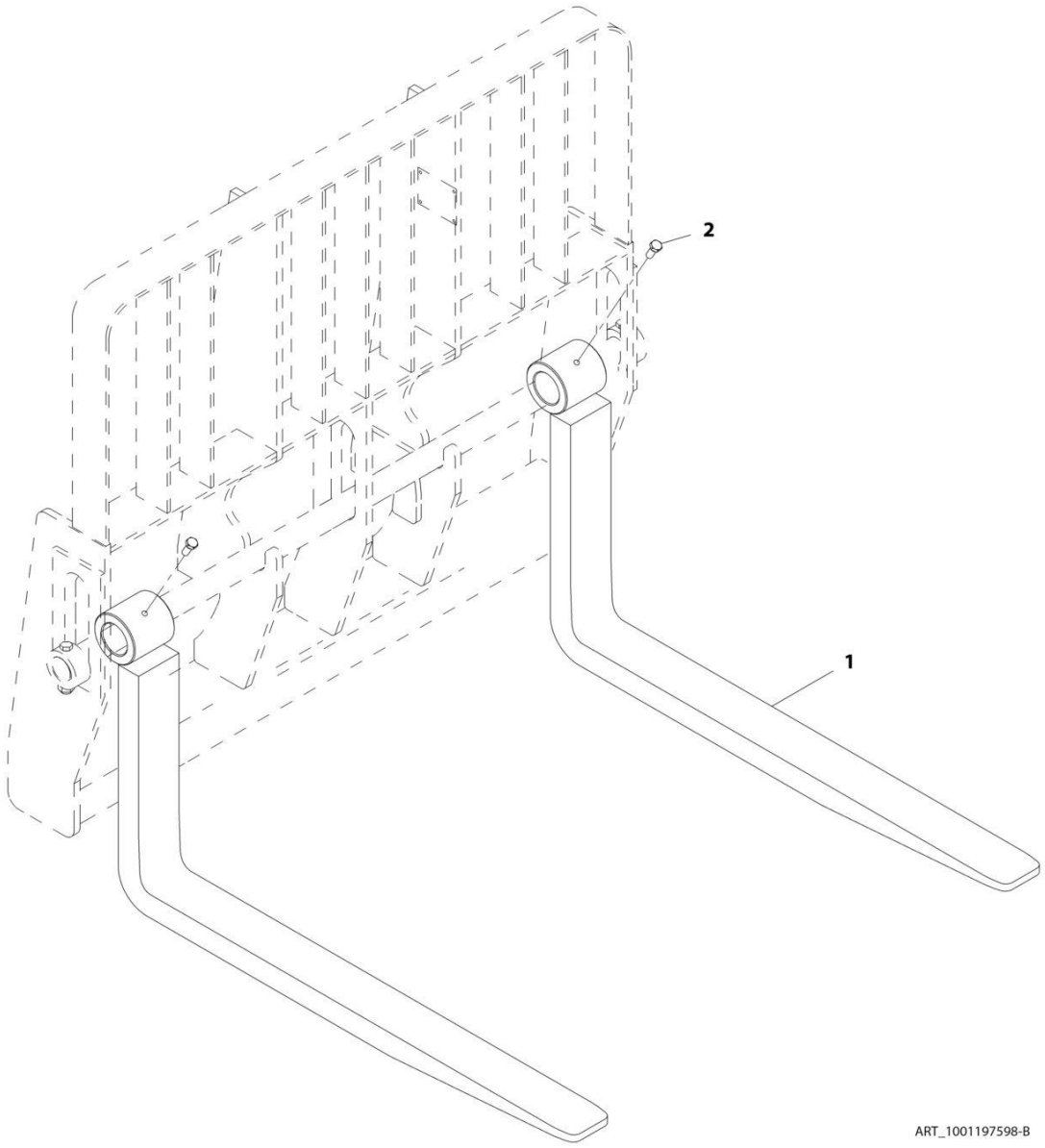


FIGURE 3-48. FORK - LUMBER (45X150X1540)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001197598	2	Lumber Fork (45X150X1540)	B
2	70027180	2	Screw, M16X30	
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

FIGURE 3-49. FORK - LUMBER (50X150X1830)

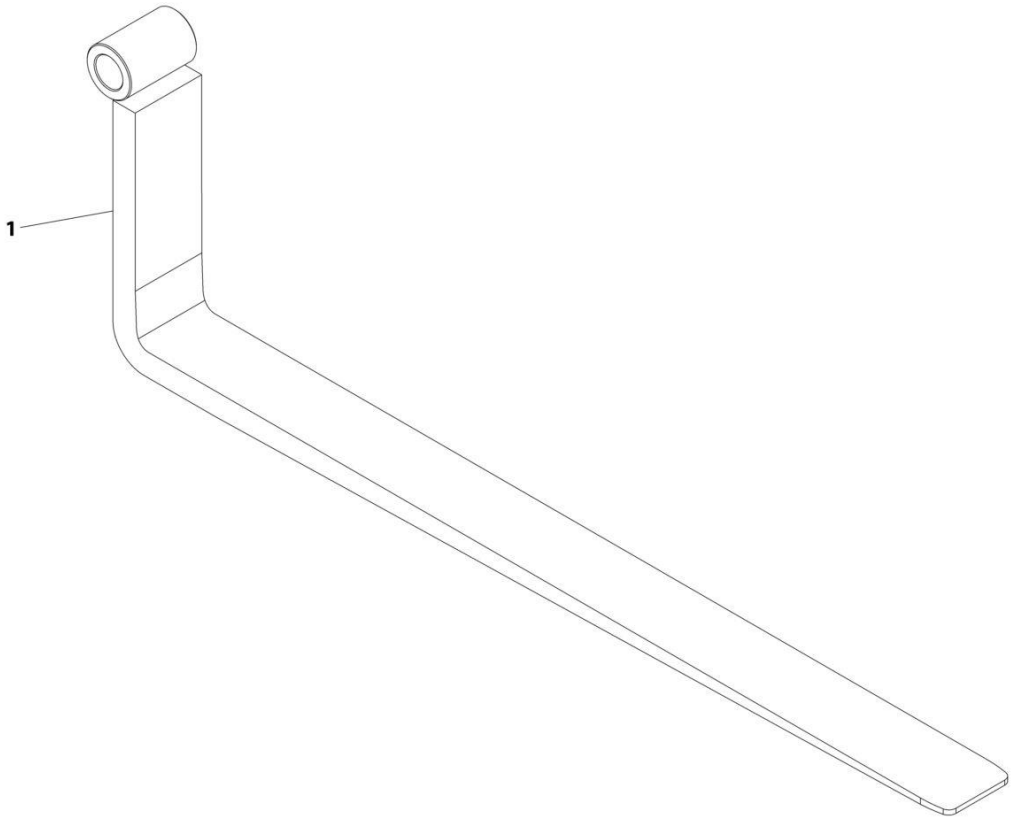


FIGURE 3-49. FORK - LUMBER (50X150X1830)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001257317	2	Lumber Fork (50X150X1830)	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 3-50. FORK - PALLET (50X100X1200)

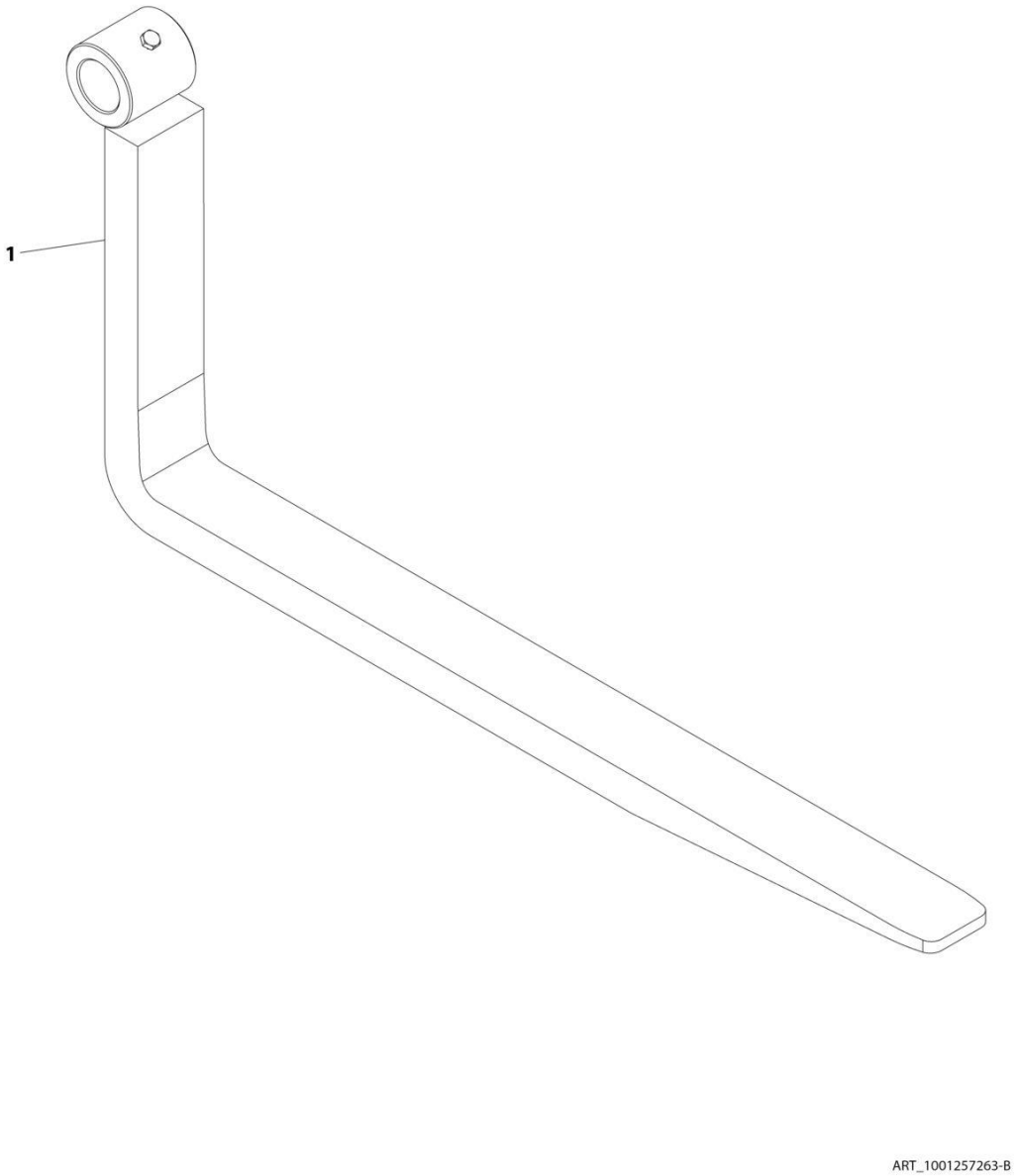


FIGURE 3-50. FORK - PALLET (50X100X1200)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001257263	1 pr	Pallet Fork (50X100X1200)	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 3-51. FORK - PALLET (50X100X1200) (CE & AUS WITH SIDE SHIFT CARRIAAGE) (4.0 TON - 1225MM)

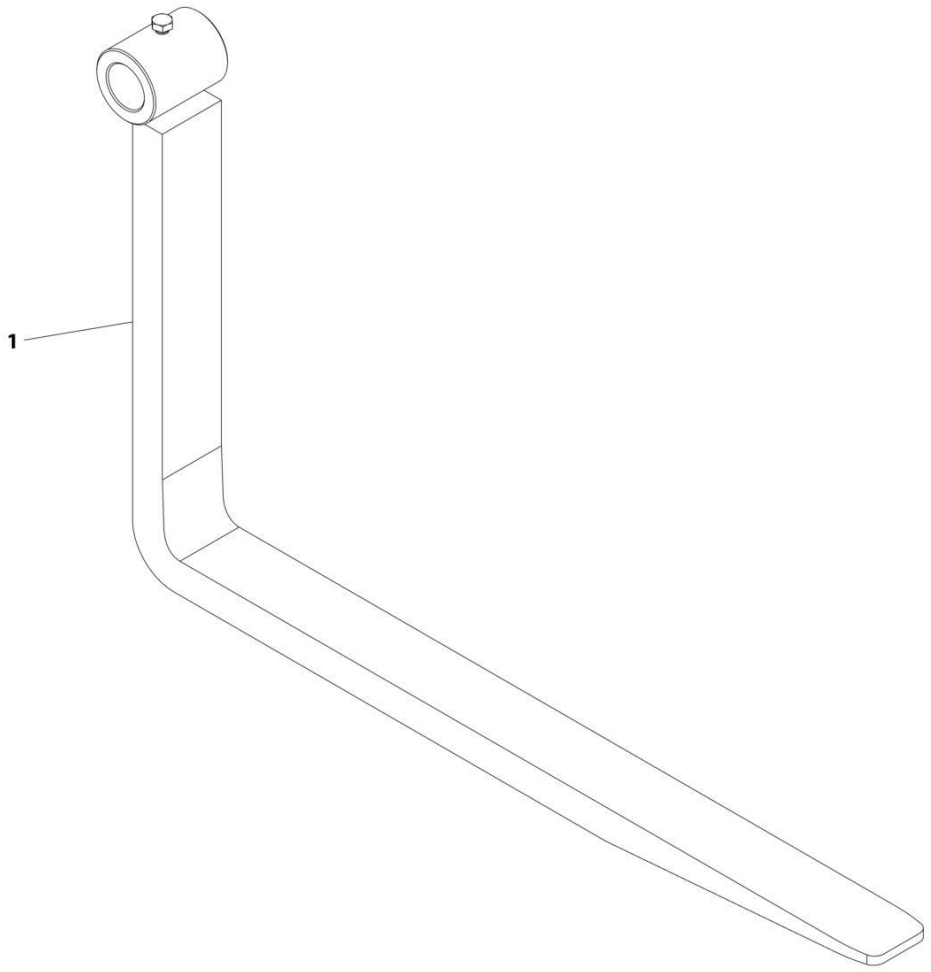


FIGURE 3-51. FORK - PALLET (50X100X1200) (CE & AUS WITH SIDE SHIFT CARRIAAGE) (4.0 TON - 1225MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001257265	2 pr	Pallet Fork (50X100X1200)	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 3-52. FORK - PALLET (50X120X1200)

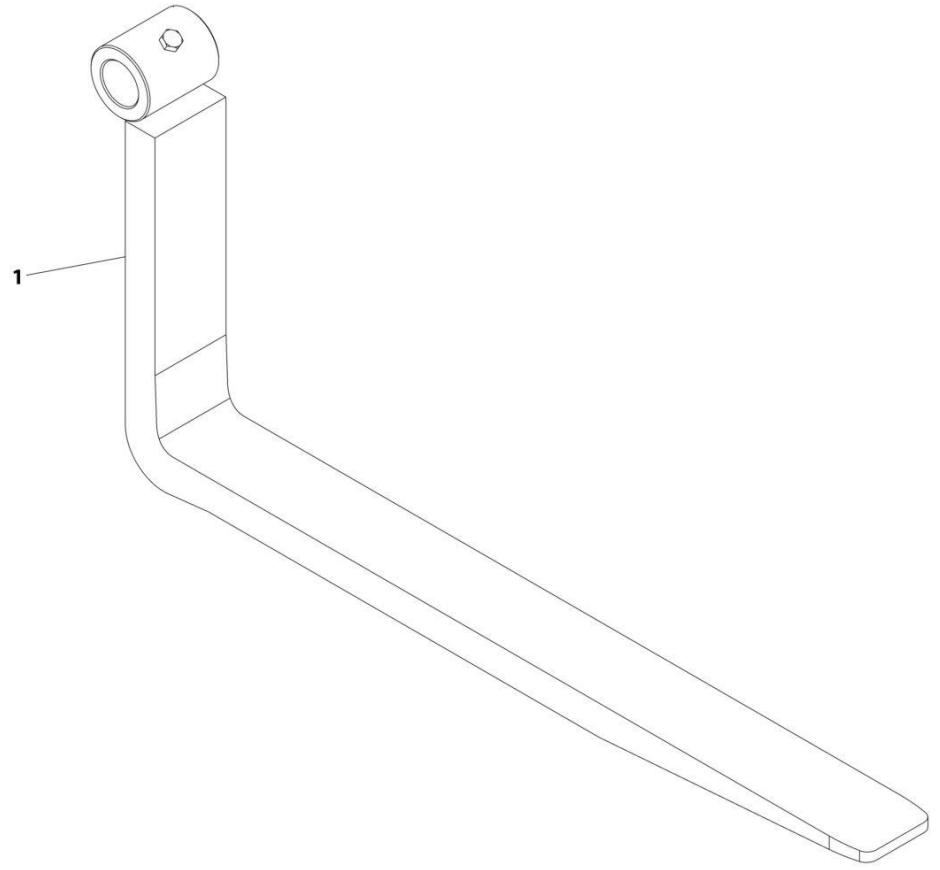


FIGURE 3-52. FORK - PALLET (50X120X1200)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257327	1	Fork-Pallet (50X120X1200)	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 3-53. FORK - PALLET (60X125X1220)

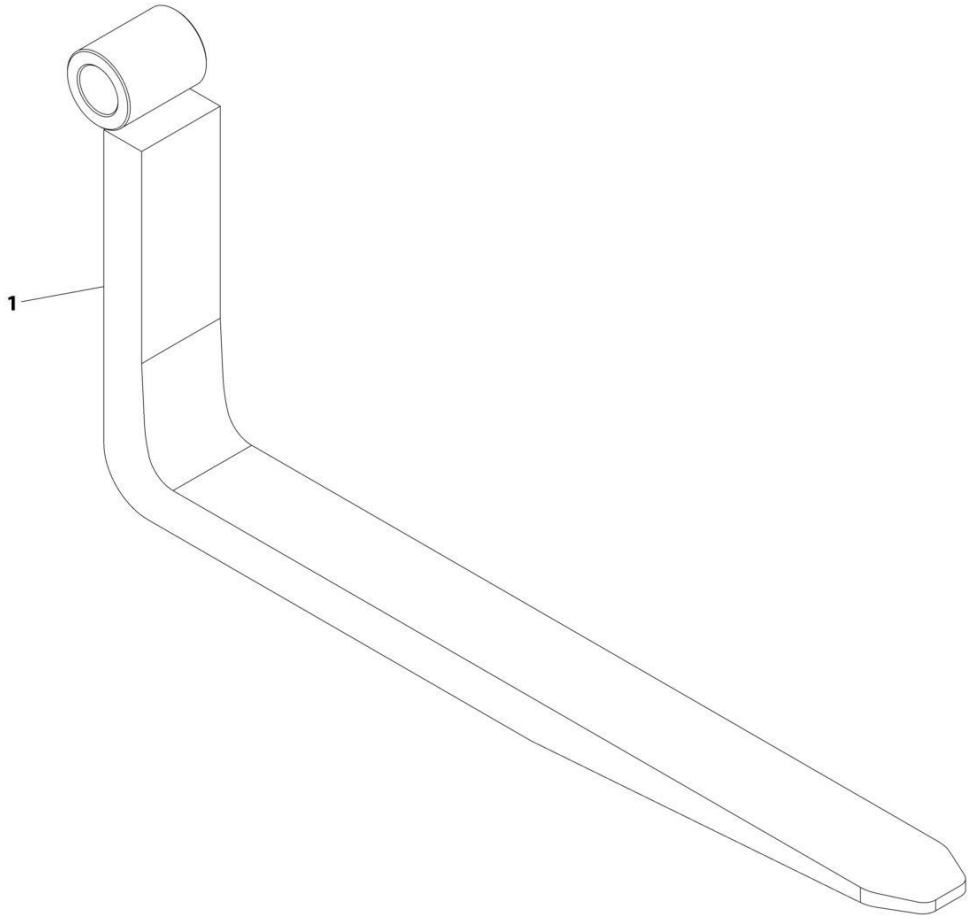


FIGURE 3-53. FORK - PALLET (60X125X1220)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257318	1 pr	Pallet Fork (60X125X1220)	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 3-54. FORK - MUCK WITH GRAB

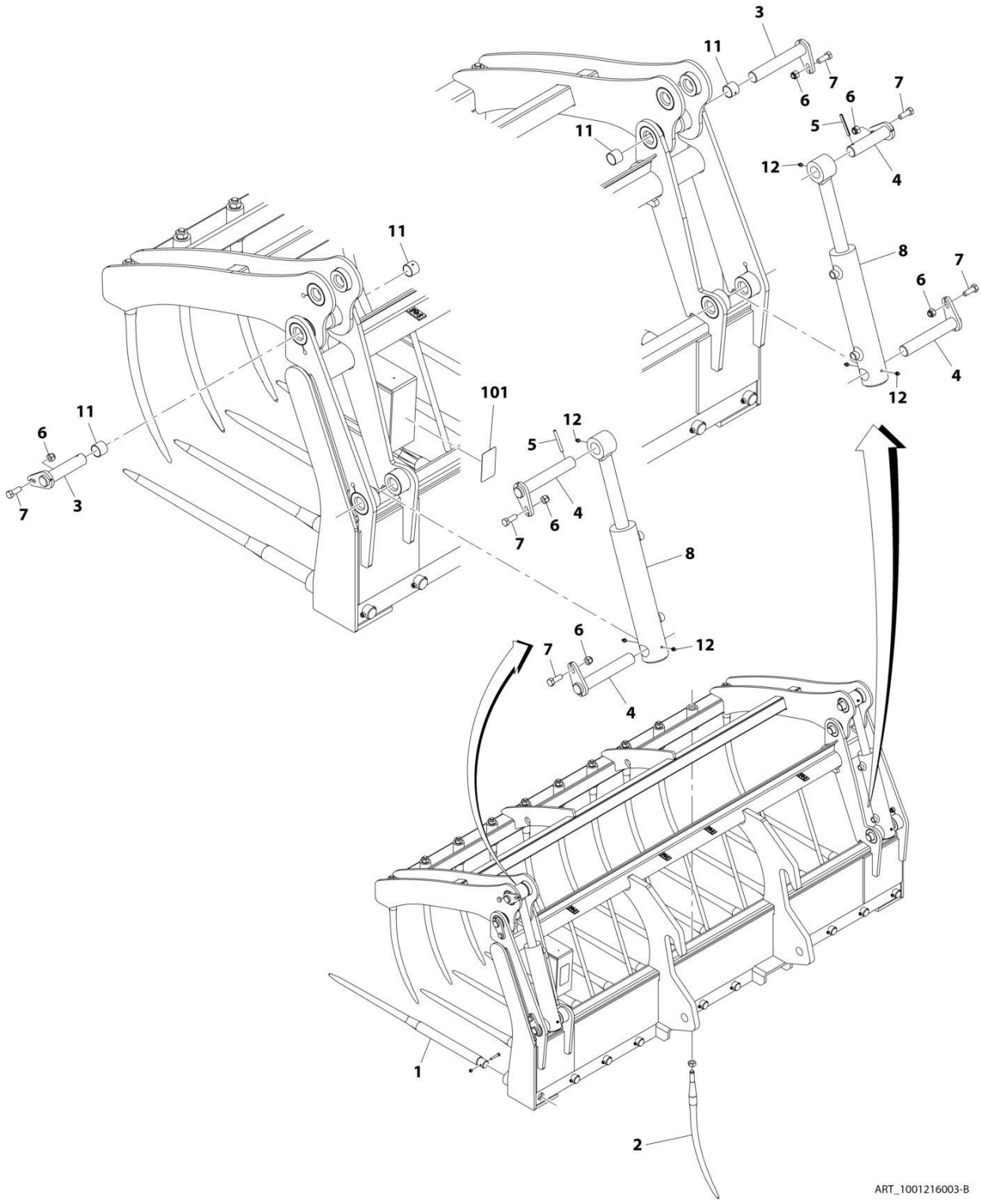


FIGURE 3-54. FORK - MUCK WITH GRAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216003	1	Muck Fork and Grab (2450MM)	D
1	70027302	12	Right Electro-Forged Fingers	
2	70027324	11	Curved Electro-Forged Fingers	
3	70027293	2	Pin	
4	70027294	4	Pin	
5	70027298	2	Roll Pin	
6	70027296	6	Nut	
7	70027297	6	Screw	
8	7028127	2	Cylinder	
9	70027295	2	Hose (not shown)	
10	70028436	2	Hose (not shown)	
11	7028131	10	Ring	
12	7028918	6	Grease Nipple	
101	N.S.S.	1	Plate, Serial Number	

FIGURE 3-55. FORK - DUAL TINE BAILING WITH CARRIAGE

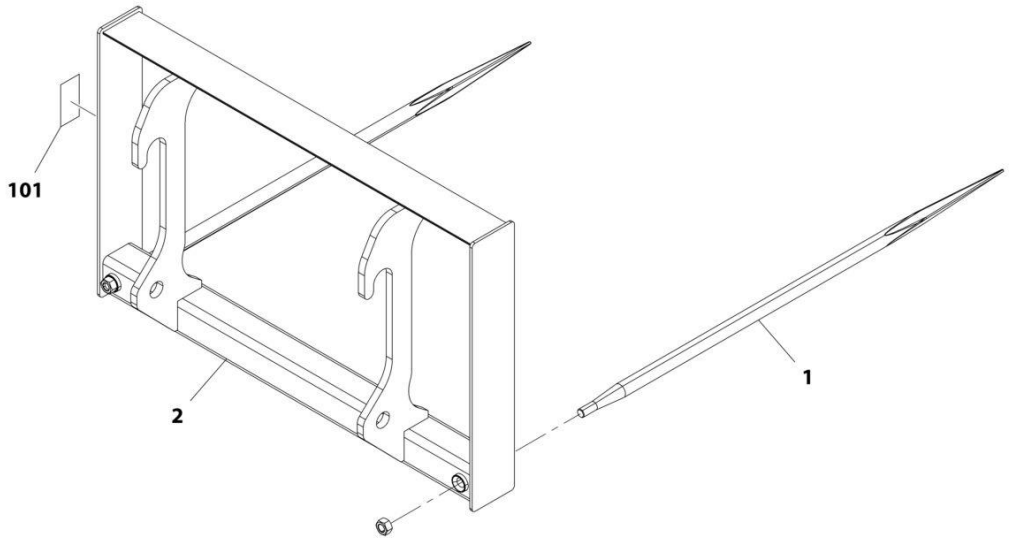


FIGURE 3-55. FORK - DUAL TINE BAILING WITH CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211897	1	Dual Tine Bailing Fork Carriage	B
1	70027631	2	Tine, Bale (includes Hex Nut)	
2	N.S.S.	Ref	Weldment, Carriage	
101	N.S.S.	Ref	Plate, Serial Number	

FIGURE 3-56. FORK _ EXTENSIONS (62X163X2286) (ANSI)

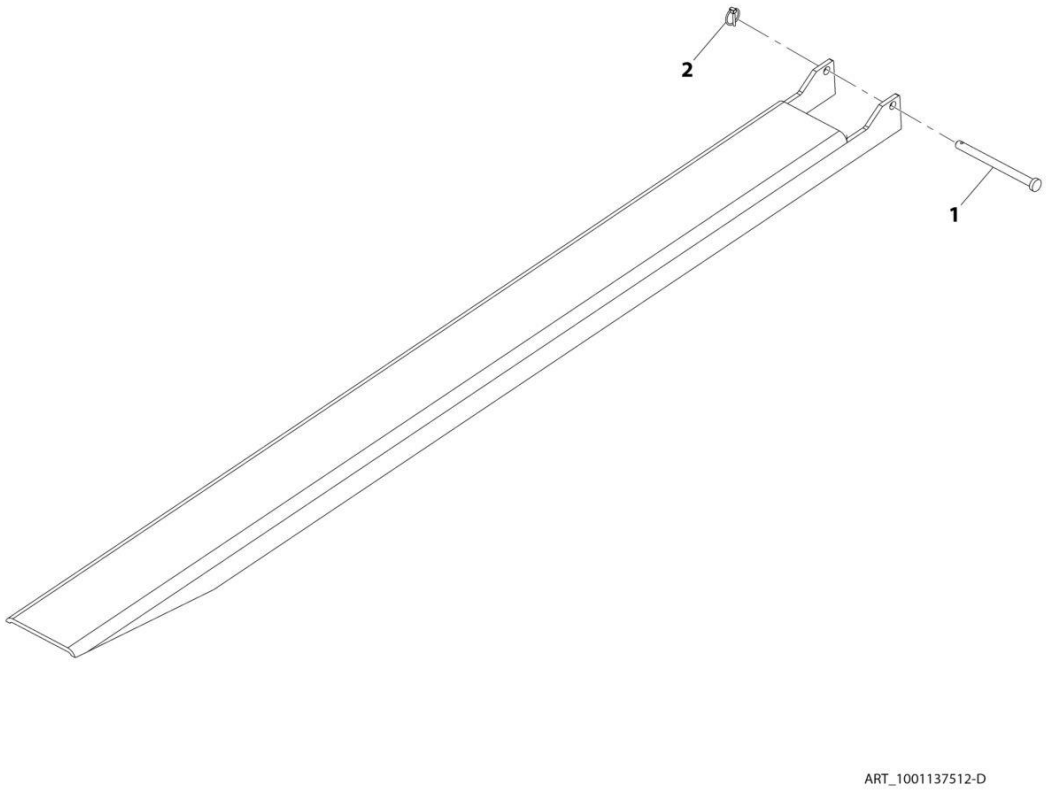


FIGURE 3-56. FORK _ EXTENSIONS (62X163X2286) (ANSI)

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

FIGURE 3-57. HOOK_CRANE (FORK MOUNTED)

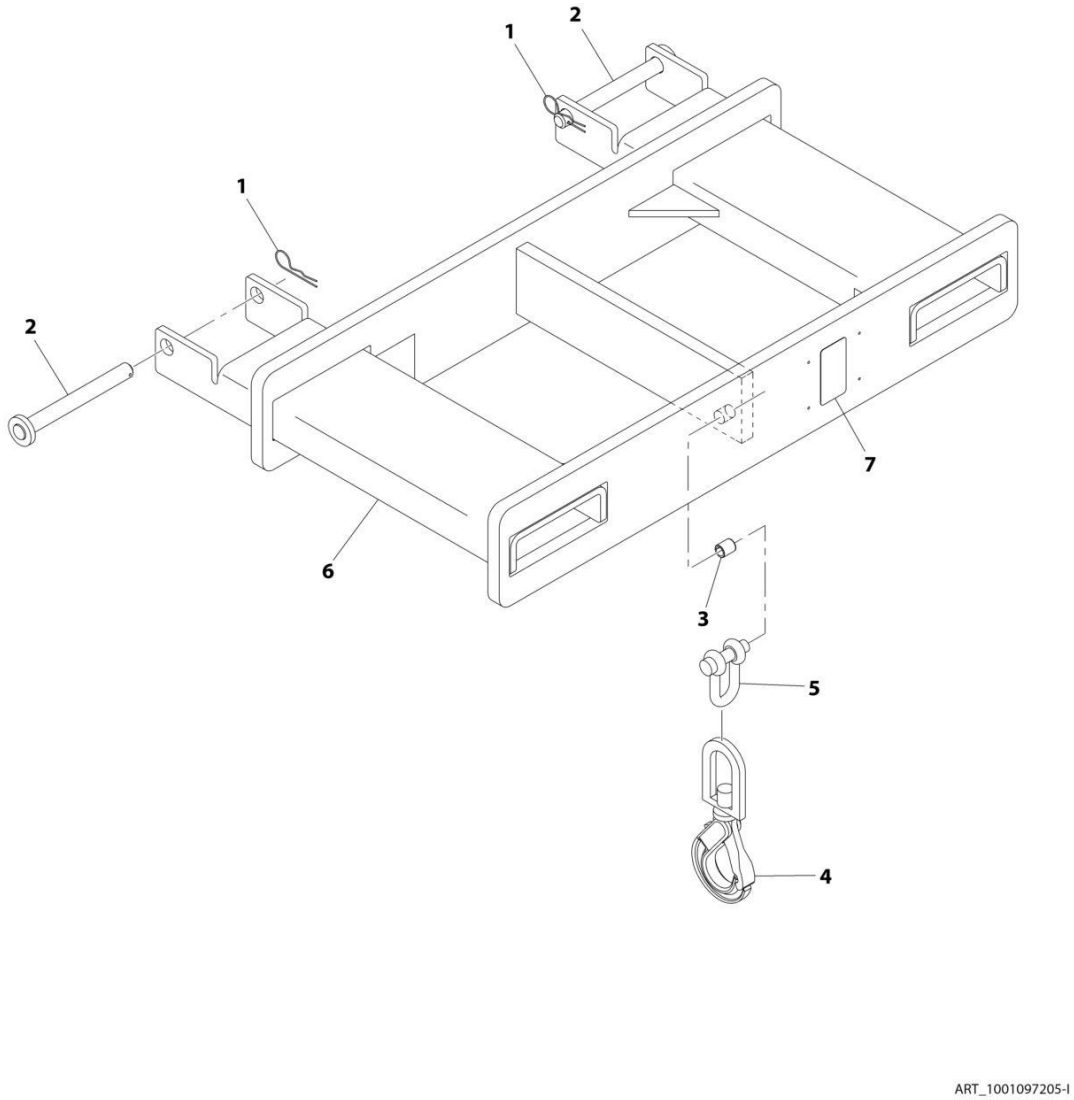


FIGURE 3-57. HOOK_CRANE (FORK MOUNTED)

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 3-58. TRASH HOPPER INSTALLATION

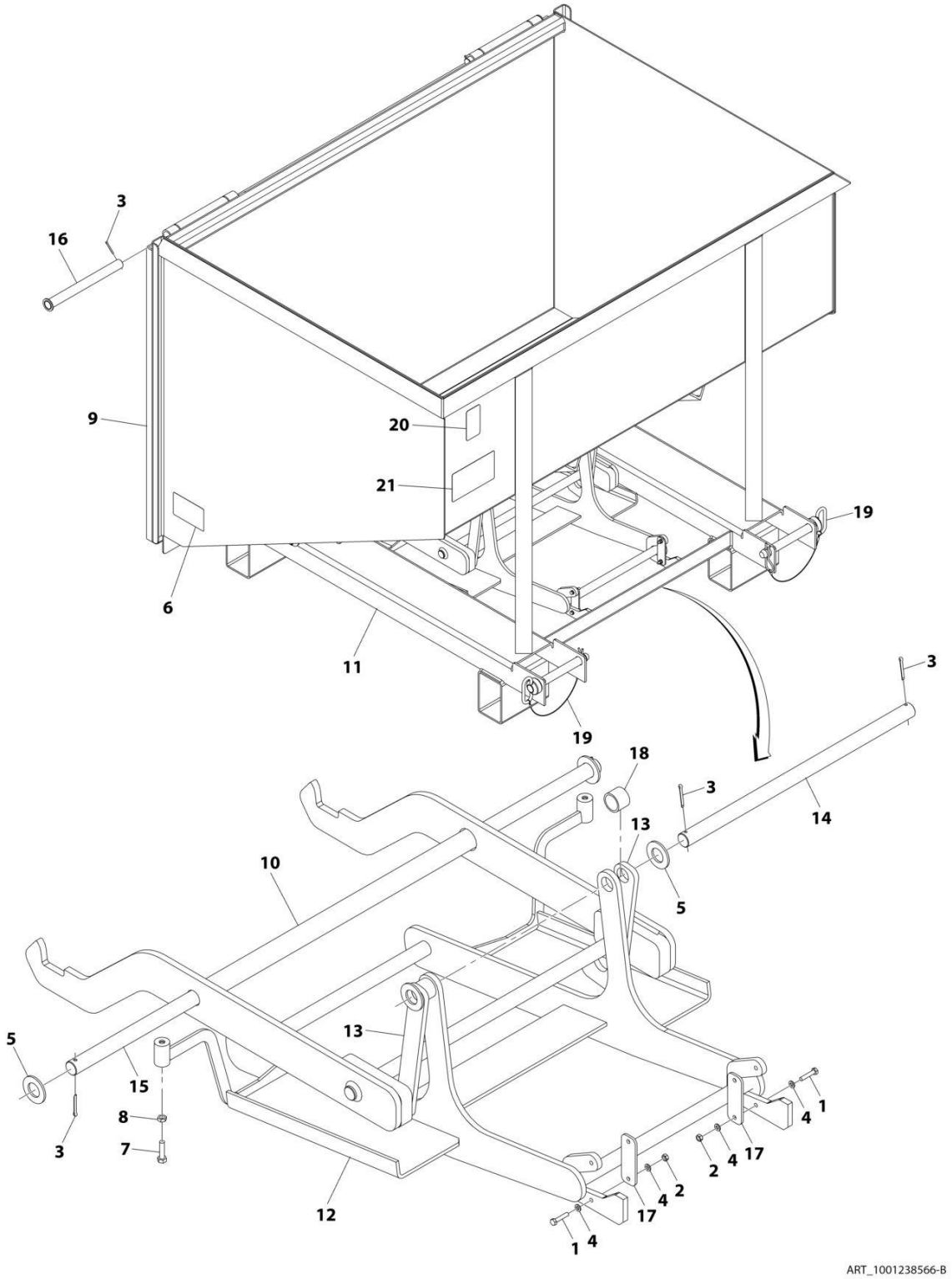


FIGURE 3-58. TRASH HOPPER INSTALLATION

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	

FIGURE 3-59. TRUSS BOOM (0.9 TON - 3.5M/12FT WITH WINCH)

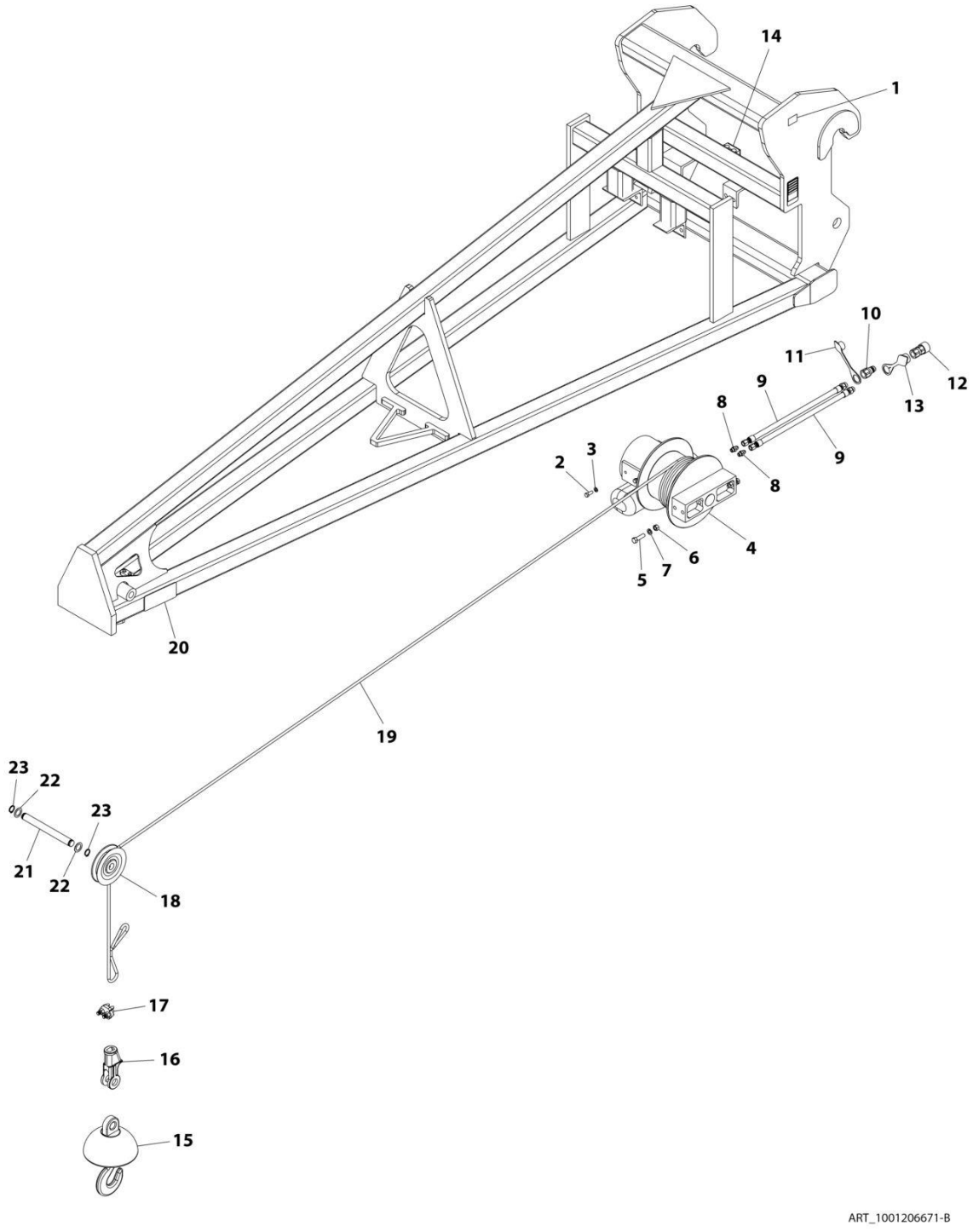


FIGURE 3-59. TRUSS BOOM (0.9 TON - 3.5M/12FT WITH WINCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206671	1	Truss Boom	E
1	90554016	1	Decal	
2	70021349	4	Bolt	
3	90554042	4	Washer	
4	70021921	1	Winch, Truss Boom, Assembly	
5	70024059	2	Bolt	
6	90554054	2	Nut	
7	90554020	2	Washer	
8	70021415	2	Fitting	
9	70026702	2	Hose	
10	1001101041	1	Hydraulic Couplier, Male	
11	1001093826	1	Dust Cap, Male	
12	1001101042	1	Hydraulic Couplier, Female	
13	1001093827	1	Plug, Dust, Female	
14	70021387	1	Hose Clamp	
15	70021978	1	Ball Swivel Safety Hook	
16	70021979	1	Wedge Socket Assembly	
17	70022528	1	Clamp, Cable	
18	70021935	1	Sheave, Grooved Pulley	
19	70022028	1	Cable	
20	70027790	2	Decal	
21	70022529	1	Pin	
22	70027009	2	Washer	
23	70026698	2	Ring, Snap	

FIGURE 3-60. TRUSS BOOM (1 TON - 3.4M/11FT)

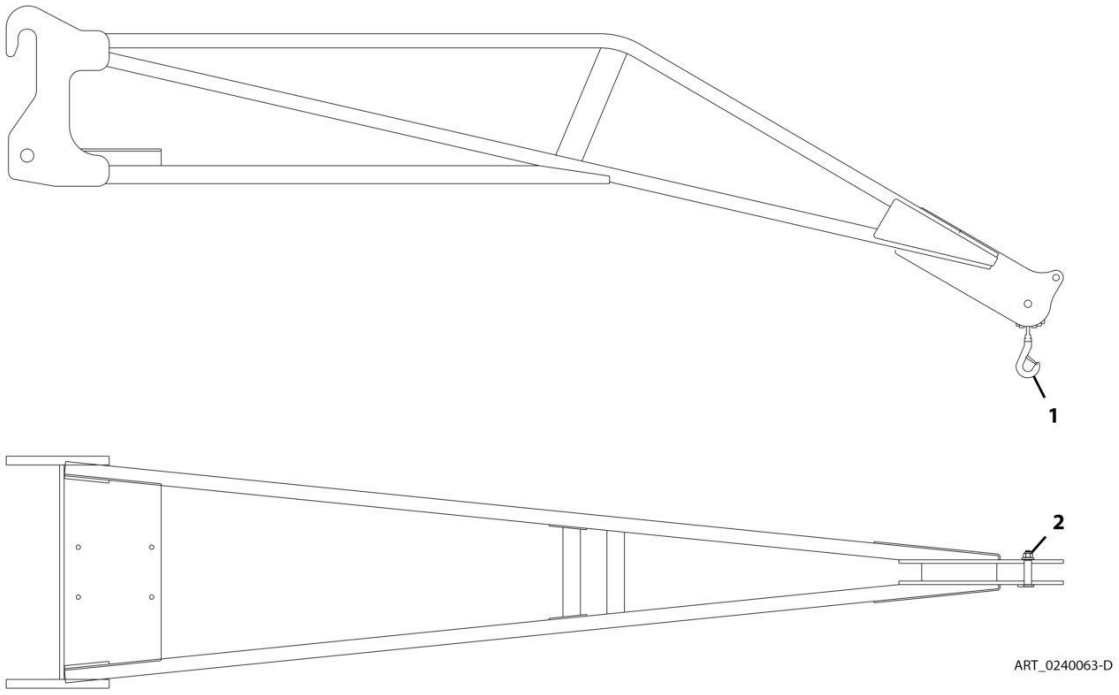


FIGURE 3-60. TRUSS BOOM (1 TON - 3.4M/11FT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0240063	Ref	Truss Boom (1 Ton - 3.4M)	D
1	70020421	1	Hook	
2	70020422	1	Bolt	

FIGURE 3-61. TRUSS BOOM (1TON - 3.5M/12FT)

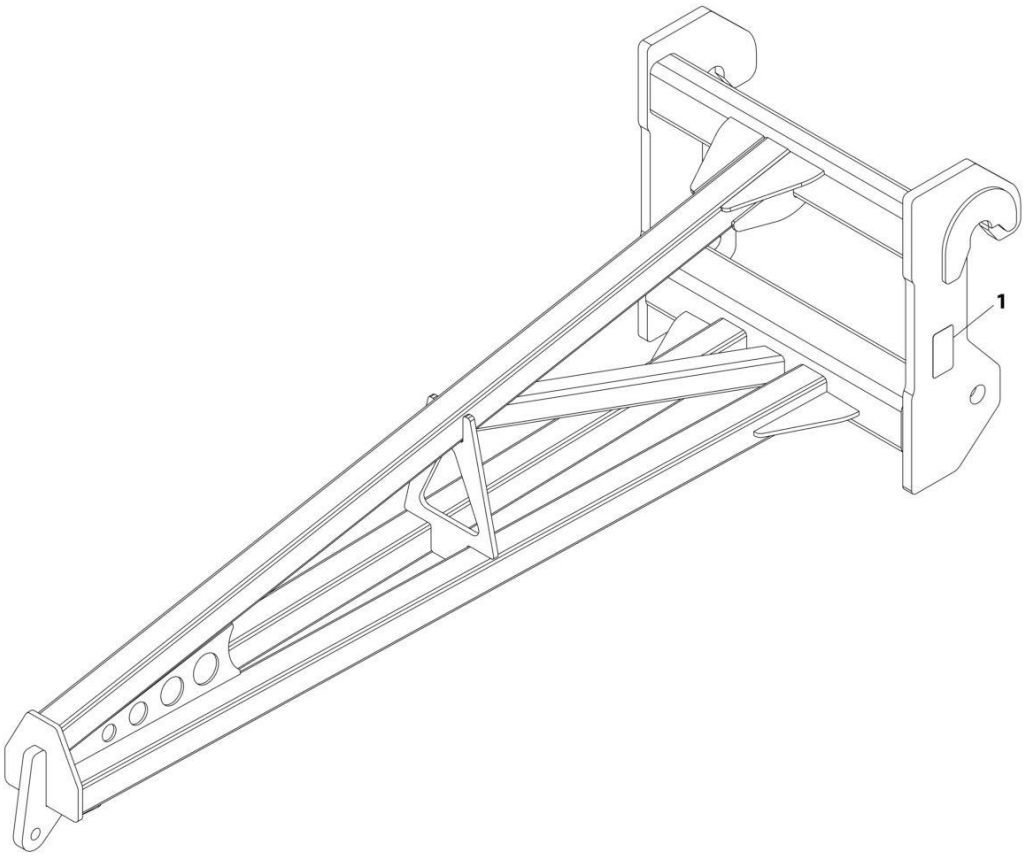


FIGURE 3-61. TRUSS BOOM (1TON - 3.5M/12FT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001292995	Ref	TRUSS BOOM	A
1	See Note	NSS	Plate, Serial Number (Note: Not Available for Purchase)	

FIGURE 3-62. TRUSS BOOM (1.8 TON - 3 FT WITH WINCH)

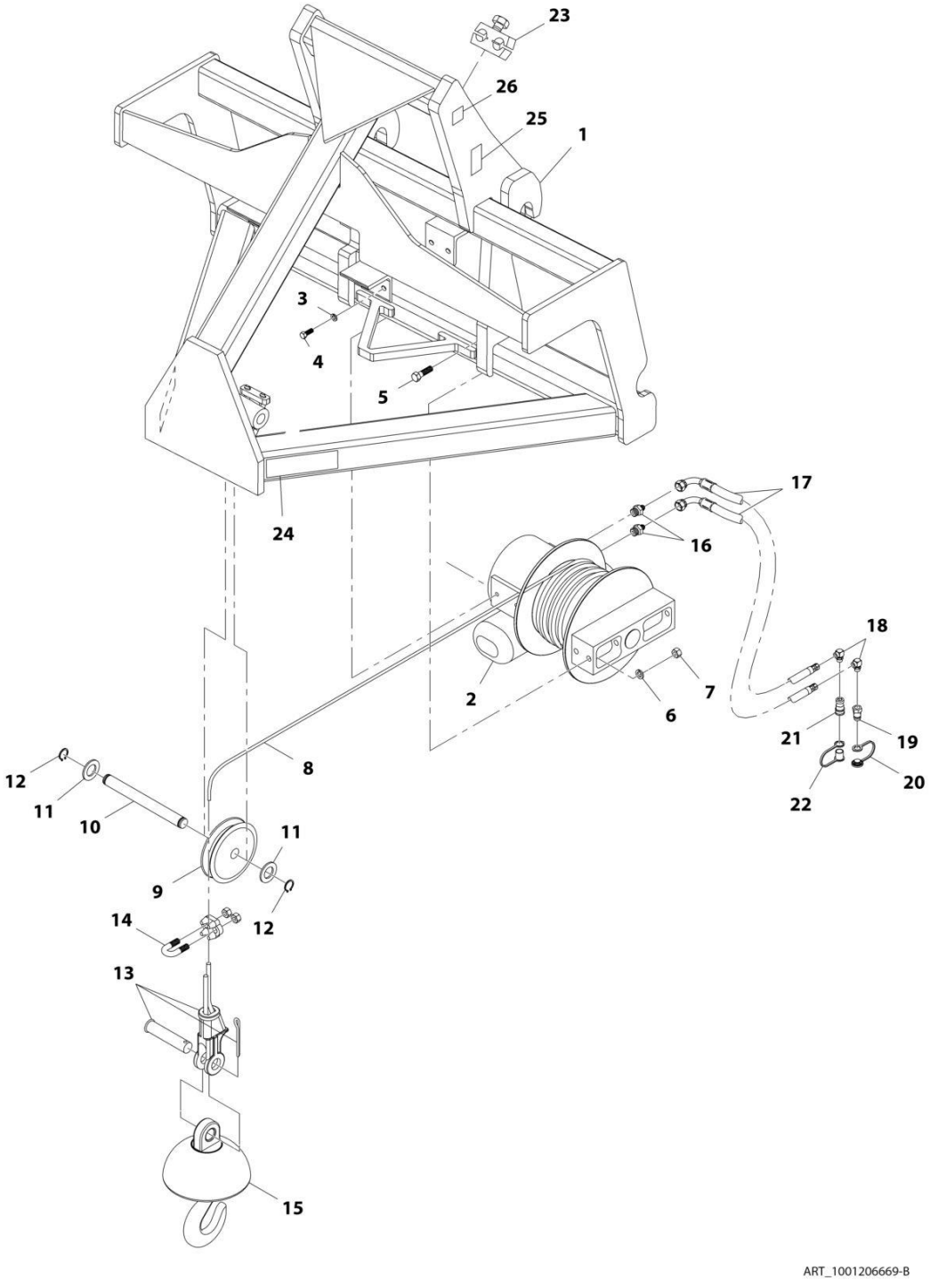


FIGURE 3-62. TRUSS BOOM (1.8 TON - 3 FT WITH WINCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206669	1	Truss Boom (1.8 Ton - 3 FT with Winch)	E
1	N.S.S.	1	Weldment, Truss Boom Frame	
2	70021921	1	Winch	
3	90554042	4	Washer	
4	70021349	4	Bolt	
5	70024059	2	Bolt	
6	90554020	2	Washer	
7	90554054	2	Nut	
8	70022028	1	Cable	
9	70021935	1	Pulley	
10	70022529	1	Pin	
11	70027009	2	Washer	
12	70026698	2	Ring, Snap	
13	70021979	1	Assembly, Socket (includes Pin & Cotter Pin)	
14	70022528	1	Clamp	
15	70021978	1	Hook, Ball Swivel	
16	70021415	2	Fitting	
17	70021977	2	Hose	
18	70022527	2	Fitting, 90	
19	7029692	1	Coupler, Male Quick	
20	1001003475	1	Cap, Dust	
21	70021342	1	Coupler, Female Quick	
22	1001003474	1	Plug, Dust	
23	70021387	1	Clamp, Hose	
24	4110422	2	Decal, Swinging Loads Danger	
25	N.S.S.	1	Plate, Serial Number	
26	90554016	1	Decal, Made in USA	

FIGURE 3-63. TRUSS BOOM (4 TON - 2.1M)

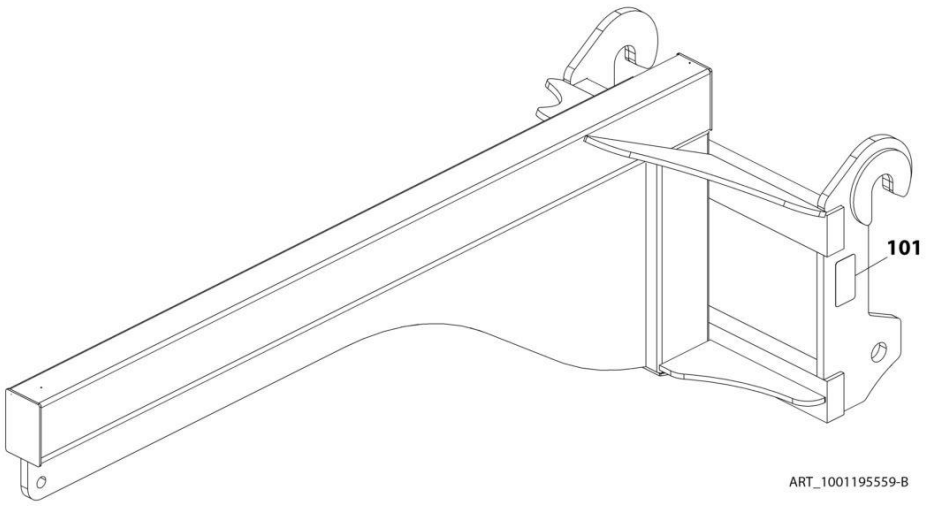


FIGURE 3-63. TRUSS BOOM (4 TON - 2.1M)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195559	1	Truss Boom (4 Ton - 2.1M)	B
101	N.S.S.	1	Plate, Serial Number	

FIGURE 3-64. TRUSS BOOM (4.4TON - 2.3M/7.5FT)

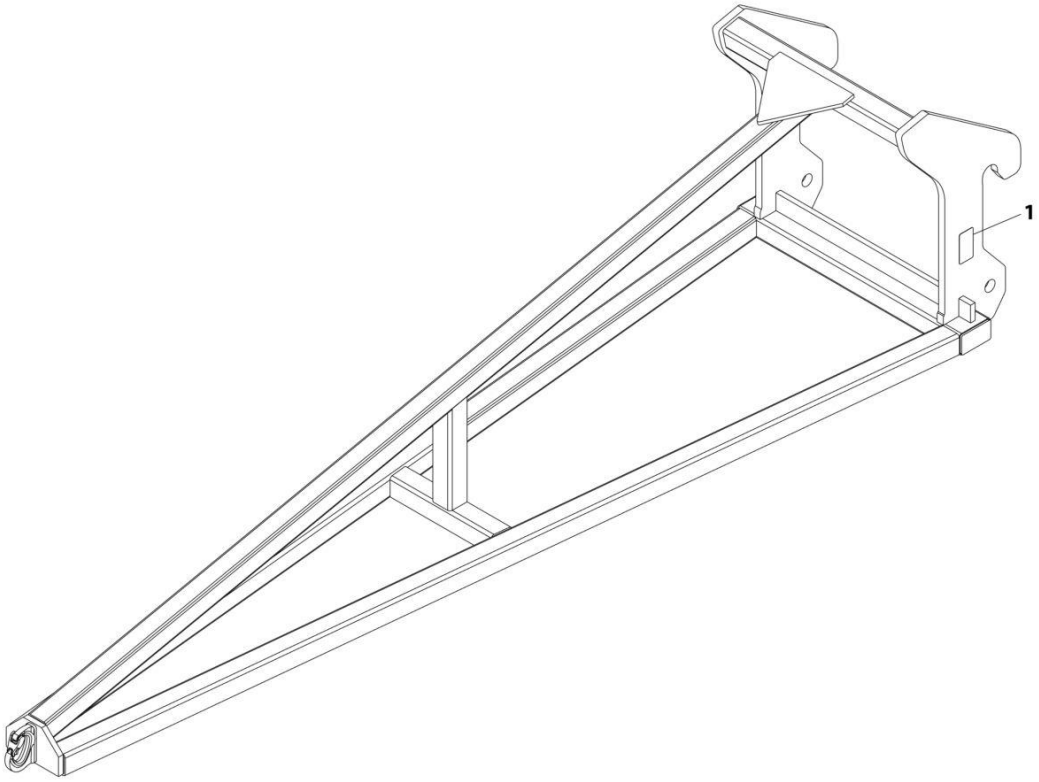


FIGURE 3-64. TRUSS BOOM (4.4TON - 2.3M/7.5FT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001292996	Ref	TRUSS BOOM	A
1	See Note	NSS	Plate, Serial Number (Note: Not Available for Purchase)	

FIGURE 3-65. UNIVERSAL HITCH ATTACHMENT

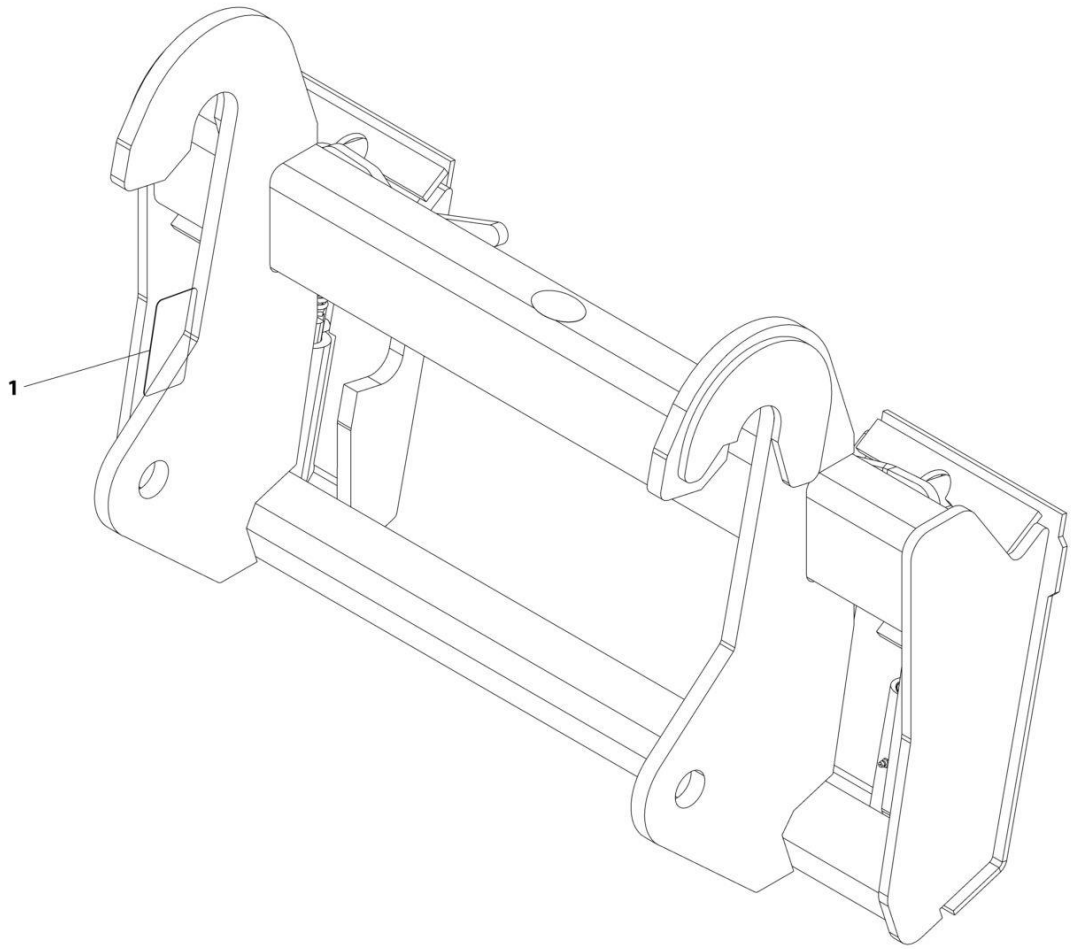


FIGURE 3-65. UNIVERSAL HITCH ATTACHMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272548	Ref	UNIVERSAL HITCH ATTACHMENT	C
1	N.S.S.	1	S/N Plate	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE INSTALLATION (90KW - ULS - PISTON PUMP) (Prior to SN 0160126024)

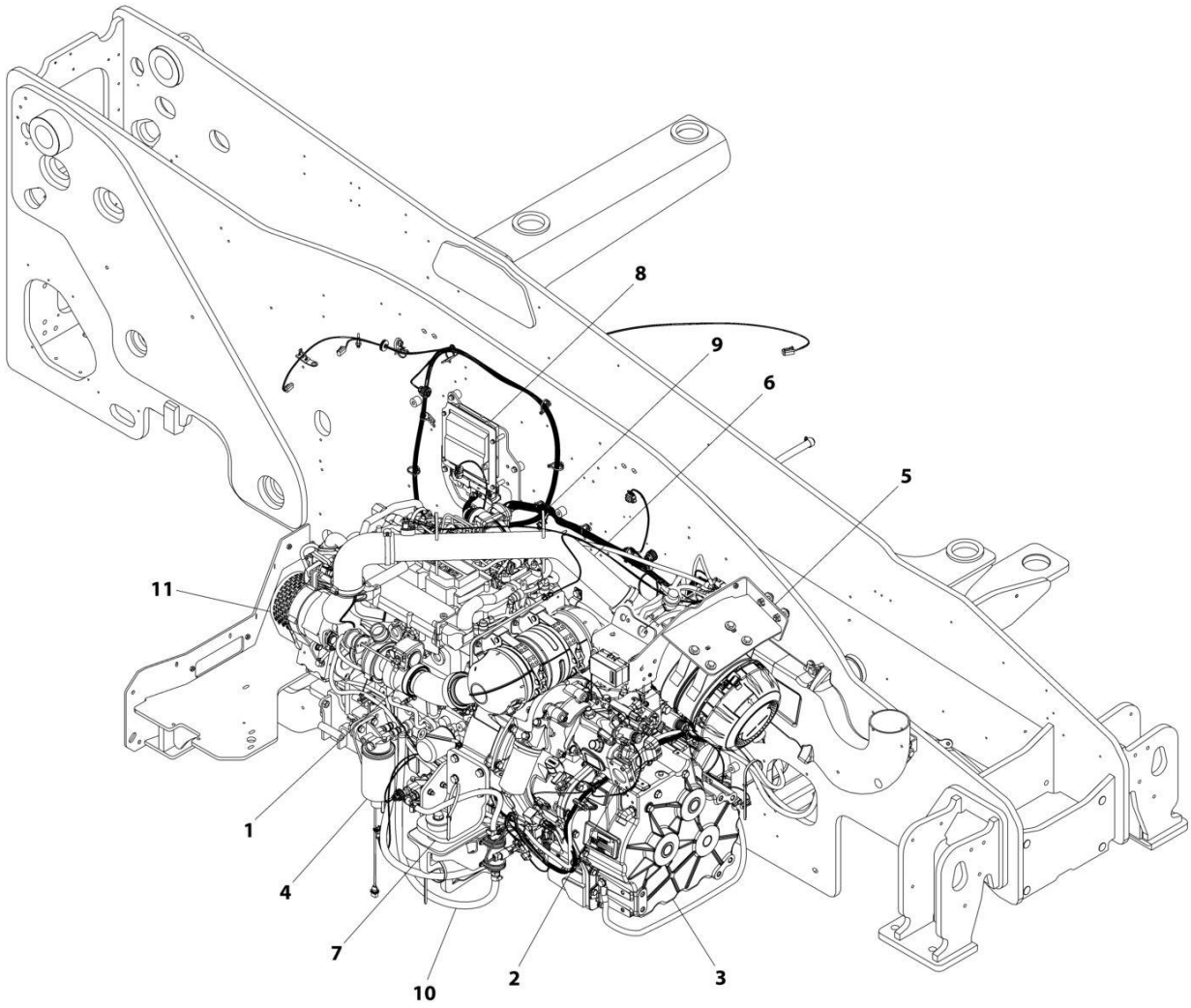


FIGURE 4-1. ENGINE INSTALLATION (90KW - ULS - PISTON PUMP) (Prior to SN 0160126024)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175309	Ref	Engine Installation (90KW - ULS - Piston Pump)	G
1	1001175553	1	Engine, 3.6L (90KW - ULS - Piston Pump) (See Separate Breakdown in this Section)	
2	1001177863	Ref	Installation, Main Hydraulic Pump (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
3	1001178439	Ref	Installation, Transmission (6 SPD) (See Separate Breakdown in DRIVETRAIN Section)	
4	1001181951	Ref	Installation, Fuel Filter (90/100KW - ULS) (See Separate Breakdown in this Section)	
5	1001257142	Ref	Installation, Air Cleaner (90/100KW) (See Separate Breakdown in this Section)	
6	1001182037	Ref	Installation, Air Intake Lines (90/100KW - ULS) (See Separate Breakdown in this Section)	
7	1001182582	Ref	Installation, Engine Mounting (90/100KW) (See Separate Breakdown in this Section)	
8	1001182735	Ref	Installation, Engine ECU (ULS) (See Separate Breakdown in this Section)	
9	1001185375	Ref	Installation, Engine Wiring (ULS) (See Separate Breakdown in ELECTRICAL Section)	
10	1001197821	Ref	Installation, Fuel Lines (ULS - RHOC) (See Separate Breakdown in this Section)	
11	1001182235	Ref	Installation, Bracket Guard (See Separate Breakdown in this Section)	

FIGURE 4-2. ENGINE INSTALLATION (90KW - ULS - PISTON PUMP) (SN 0160126024 to Present)

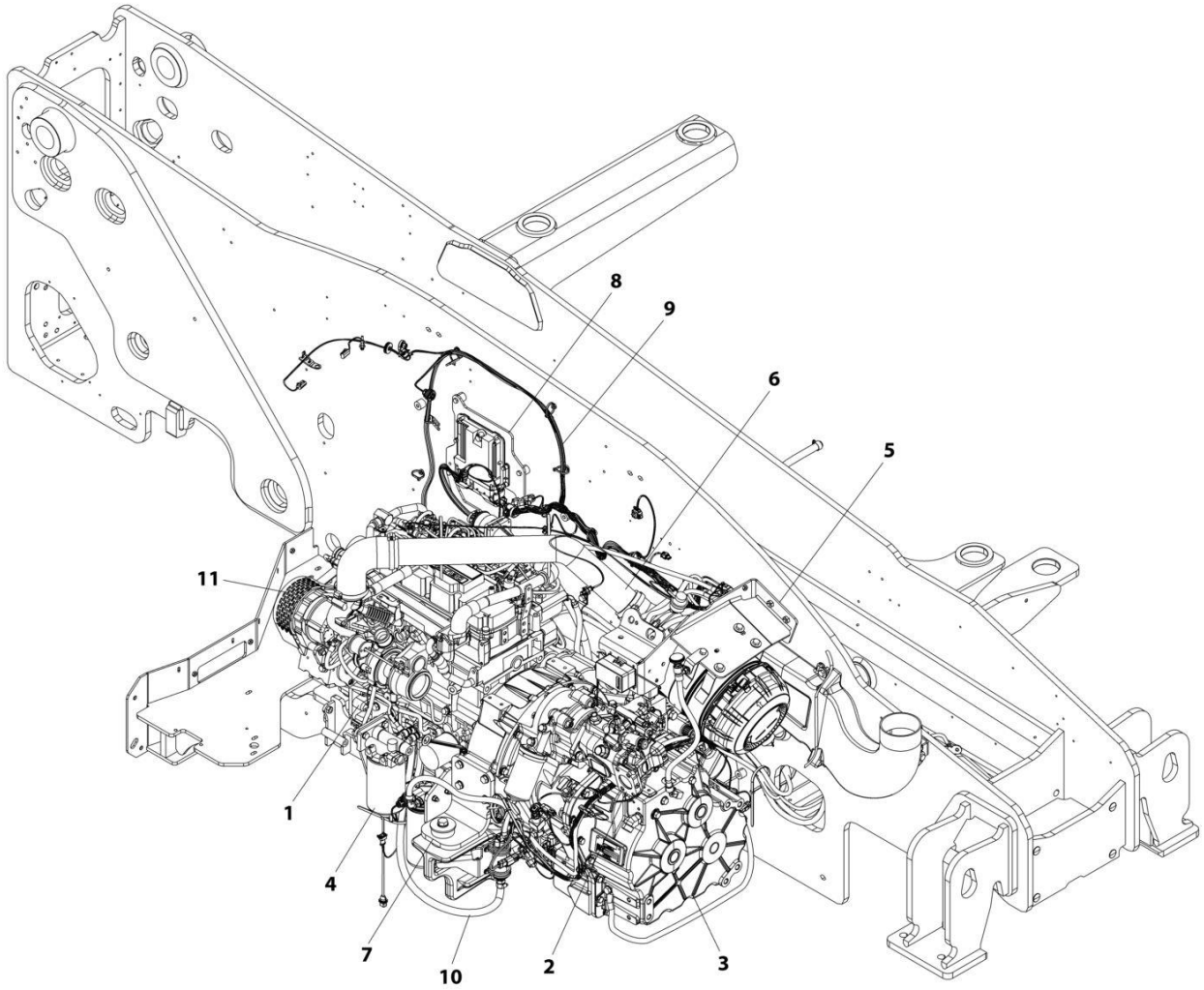


FIGURE 4-2. ENGINE INSTALLATION (90KW - ULS - PISTON PUMP) (SN 0160126024 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175315	Ref	ENGINE INSTALLATION (90KW - LS - PISTON PUMP)	E
1	1001288945	1	Engine, 3.6L (90KW - LS - Piston Pump) (See Separate Breakdown in this Section)	
2	1001177863	Ref	Installation, Main Hydraulic Pump (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
3	1001182647	Ref	Installation, Transmission (6 SPD) (See Separate Breakdown in DRIVETRAIN Section)	
4	1001181952	Ref	Installation, Primary Fuel Filter (90KW - LS) (See Separate Breakdown in this Section)	
5	1001257142	Ref	Installation, Air Cleaner (90/100KW) (See Separate Breakdown in this Section)	
6	1001182039	Ref	Installation, Air Intake Lines (90KW - LS) (See Separate Breakdown in this Section)	
7	1001182582	Ref	Installation, Engine Mounting (90/100KW) (See Separate Breakdown in this Section)	
8	1001286009	Ref	Installation, Engine ECU (LS) (See Separate Breakdown in ELECTRICAL Section)	
9	1001293131	Ref	Installation, Engine Wiring (LS) (See Separate Breakdown in ELECTRICAL Section)	
10	1001185189	Ref	Installation, Fuel Lines (LS - RHOC) (See Separate Breakdown in this Section)	
11	1001182235	Ref	Installation, Bracket Guard (See Separate Breakdown in this Section)	

FIGURE 4-3. ENGINE INSTALLATION (100KW - ULS - PISTON PUMP) (Prior to SN 0160126024)

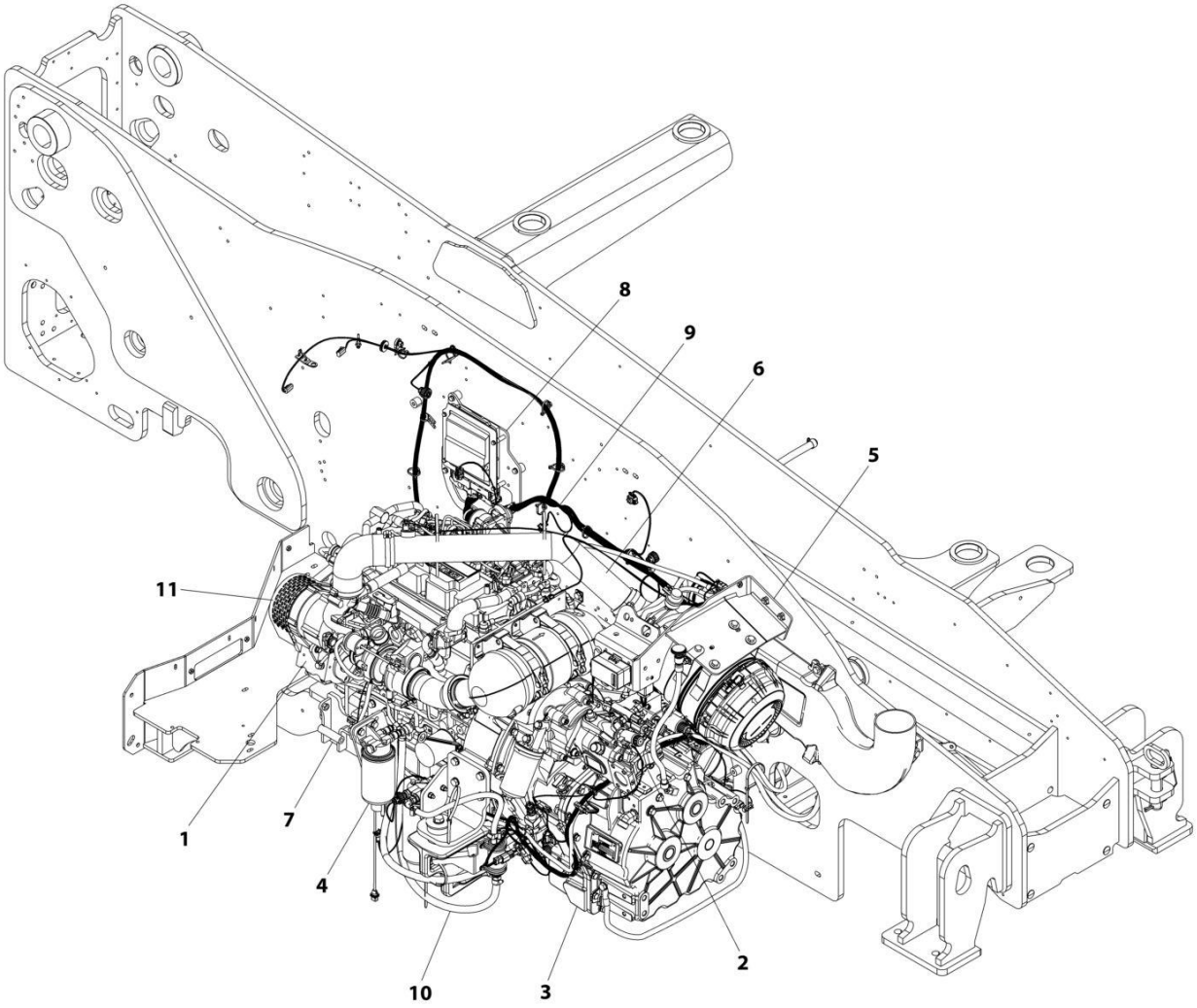


FIGURE 4-3. ENGINE INSTALLATION (100KW - ULS - PISTON PUMP) (Prior to SN 0160126024)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178622	Ref	EINGINE INSTALLATION (100KW - ULS - Piston Pump)	H
1	1001175555	Ref	Engine, 3.6L (100KW - ULS - Piston Pump) (See Separate Breakdown in this Section)	
2	1001177863	Ref	Installation, Main Hydraulic Pump (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
3	1001182647	Ref	Installation, Transmission (6 SPD - HHP) (See Separate Breakdown in DRIVETRAIN Section)	
4	1001181951	Ref	Installation, Fuel Filter (90/100KW - ULS) (See Separate Breakdown in this Section)	
5	1001257142	Ref	Installation, Air Cleaner (90/100KW) (See Separate Breakdown in this Section)	
6	1001182037	Ref	Installation, Air Intake Lines (90/100KW - ULS) (See Separate Breakdown in this Section)	
7	1001182582	Ref	Installation, Engine Mounting (90/100KW) (See Separate Breakdown in this Section)	
8	1001182735	Ref	Installation, Engine ECU (ULS) (See Separate Breakdown in this Section)	
9	1001185375	Ref	Installation, Engine Wiring (ULS) (See Separate Breakdown in ELECTRICAL Section)	
10	1001197821	Ref	Installation, Fuel Lines (ULS - RHOC) (See Separate Breakdown in this Section)	
11	1001182235	Ref	Installation, Bracket Guard (See Separate Breakdown in this Section)	

FIGURE 4-4. ENGINE INSTALLATION (100KW - ULS - PISTON PUMP) (SN 0160126024 to Present)

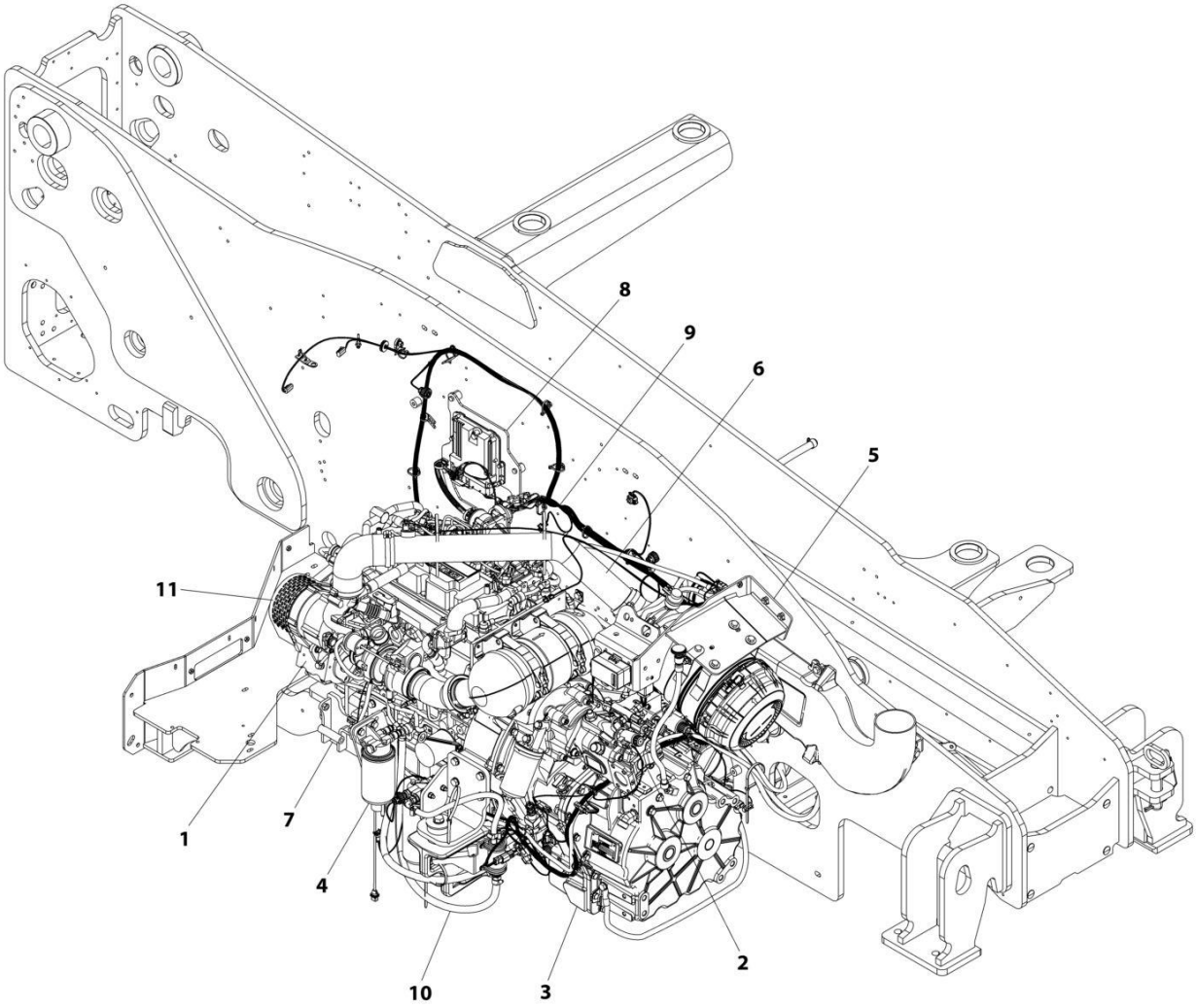
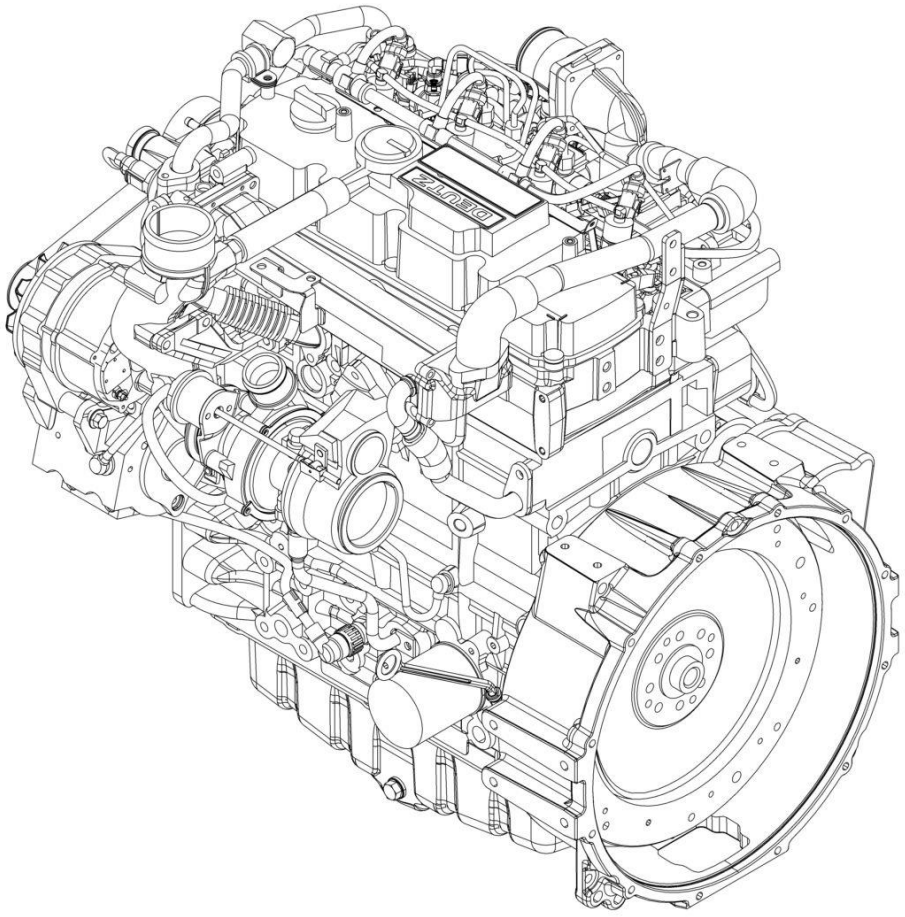


FIGURE 4-4. ENGINE INSTALLATION (100KW - ULS - PISTON PUMP) (SN 0160126024 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178622	Ref	EINGINE INSTALLATION (100KW - ULS - Piston Pump)	I
1	1001284540	Ref	Engine, 3.6L (100KW - ULS - Piston Pump) (See Separate Breakdown in this Section)	
2	1001177863	Ref	Installation, Main Hydraulic Pump (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
3	1001182647	Ref	Installation, Transmission (6 SPD - HHP) (See Separate Breakdown in DRIVETRAIN Section)	
4	1001181951	Ref	Installation, Fuel Filter (90/100KW - ULS) (See Separate Breakdown in this Section)	
5	1001257142	Ref	Installation, Air Cleaner (90/100KW) (See Separate Breakdown in this Section)	
6	1001182037	Ref	Installation, Air Intake Lines (90/100KW - ULS) (See Separate Breakdown in this Section)	
7	1001182582	Ref	Installation, Engine Mounting (90/100KW) (See Separate Breakdown in this Section)	
8	1001286009	Ref	Installation, Engine ECU (ULS) (See Separate Breakdown in this Section)	
9	1001185375	Ref	Installation, Engine Wiring (ULS) (See Separate Breakdown in ELECTRICAL Section)	
10	1001197821	Ref	Installation, Fuel Lines (ULS - RHOC) (See Separate Breakdown in this Section)	
11	1001182235	Ref	Installation, Bracket Guard (See Separate Breakdown in this Section)	

FIGURE 4-5. ENGINE (100KW - LS)



ART_1001288945

FIGURE 4-5. ENGINE (100KW - LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288945	Ref	ENGINE (100KW - LS)	A
	See Note	Ref	Note: No Other Available Service Parts at time of Printing	
	31020305	1	Pump, Fuel	
	31023448	1	Unit, Control	
	31022030	1	Clamp	
	31022047	1	Filter, Fuel	
	31020740	3	Gasket	
	31010978	3	Label	

FIGURE 4-6. ENGINE MOUNTING INSTALLATION (90KW/100KW)

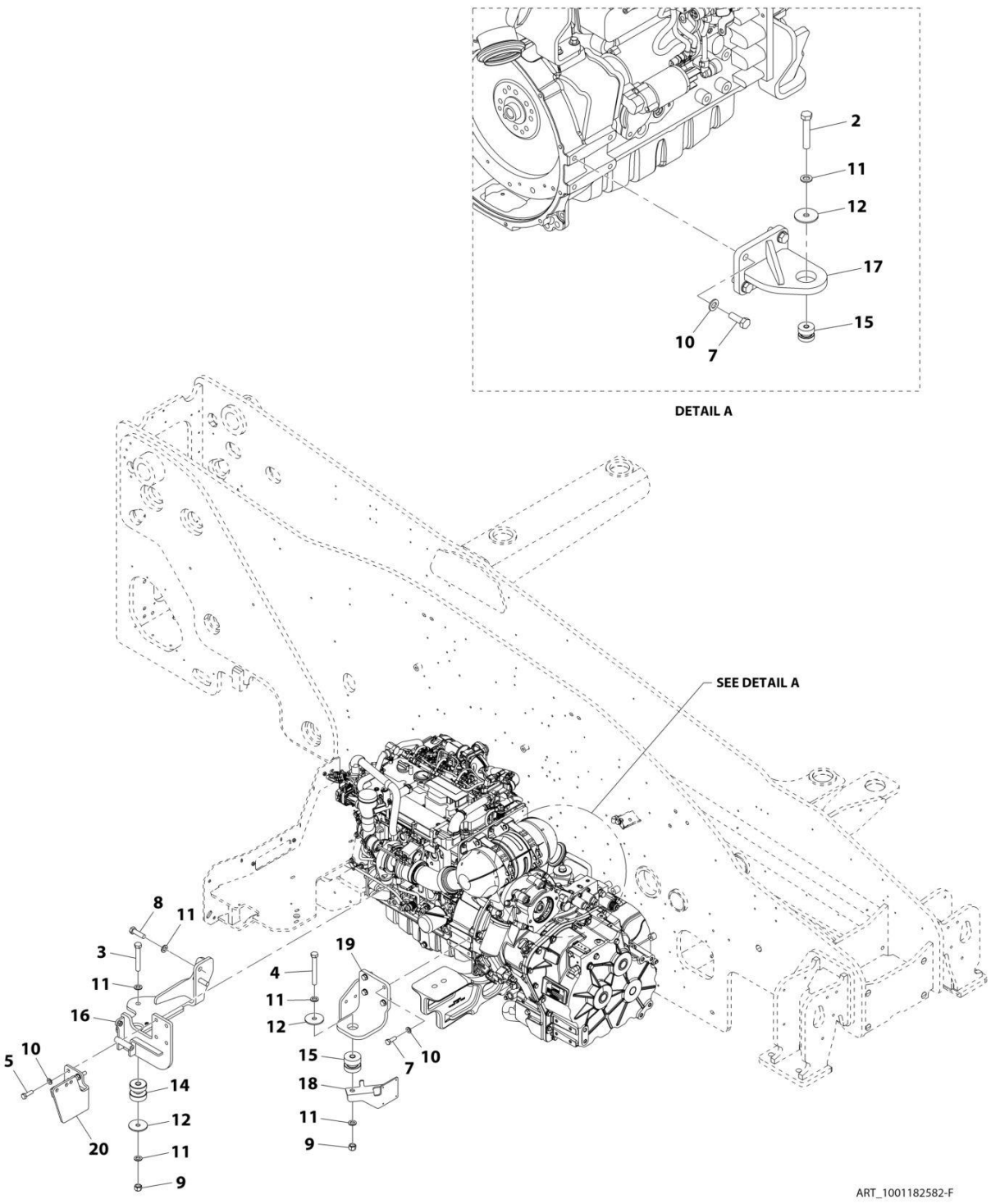
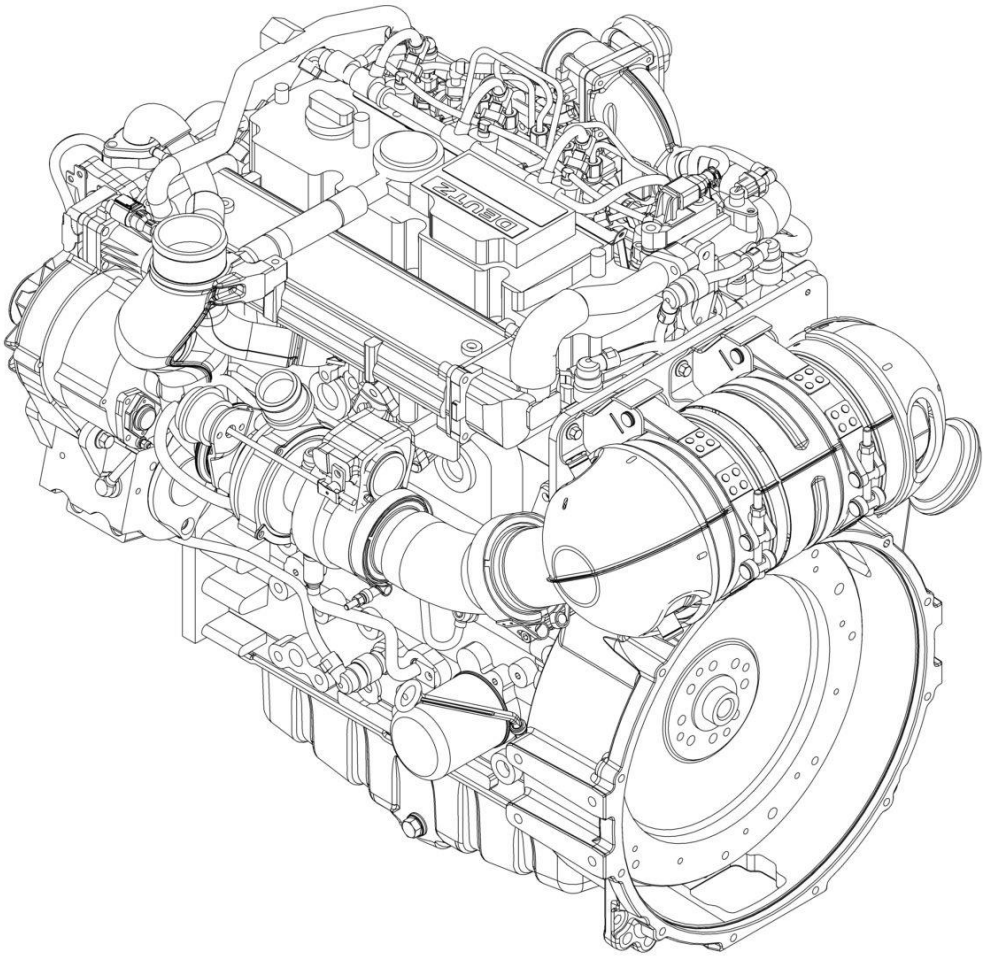


FIGURE 4-6. ENGINE MOUNTING INSTALLATION (90KW/100KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182582	Ref	Engine Mounting Installation (90KW/100KW)	G
2	0701626	1	Bolt, M16X90	
3	0701628	1	Bolt, M16X110	
4	0701630	1	Bolt, M16X130	
5	0761216	4	Bolt, M12X40	
7	0761215	8	Bolt, M12X35	
8	0761619	2	Bolt, M16X55	
9	3291605	2	Bolt, M16X2	
10	4812100	12	Washer, M12	
11	4812300	7	Washer, M16	
12	7300435	3	Washer	
14	1001163387	1	Mount, Isolator Engine	
15	1001195518	2	Mount, Isolator Engine	
16	1001169216	1	Bracket, Engine Mount	
17	1001169424	1	Bracket, Engine Mount	
18	1001188204	1	Bracket, Fuel Pump	
19	1001183745	1	Bracket, Engine Mount	
20	1001189586	1	Bracket, Fuel Filter	

FIGURE 4-7. 3.6L ENGINE (90KW - ULS - PISTON PUMP)

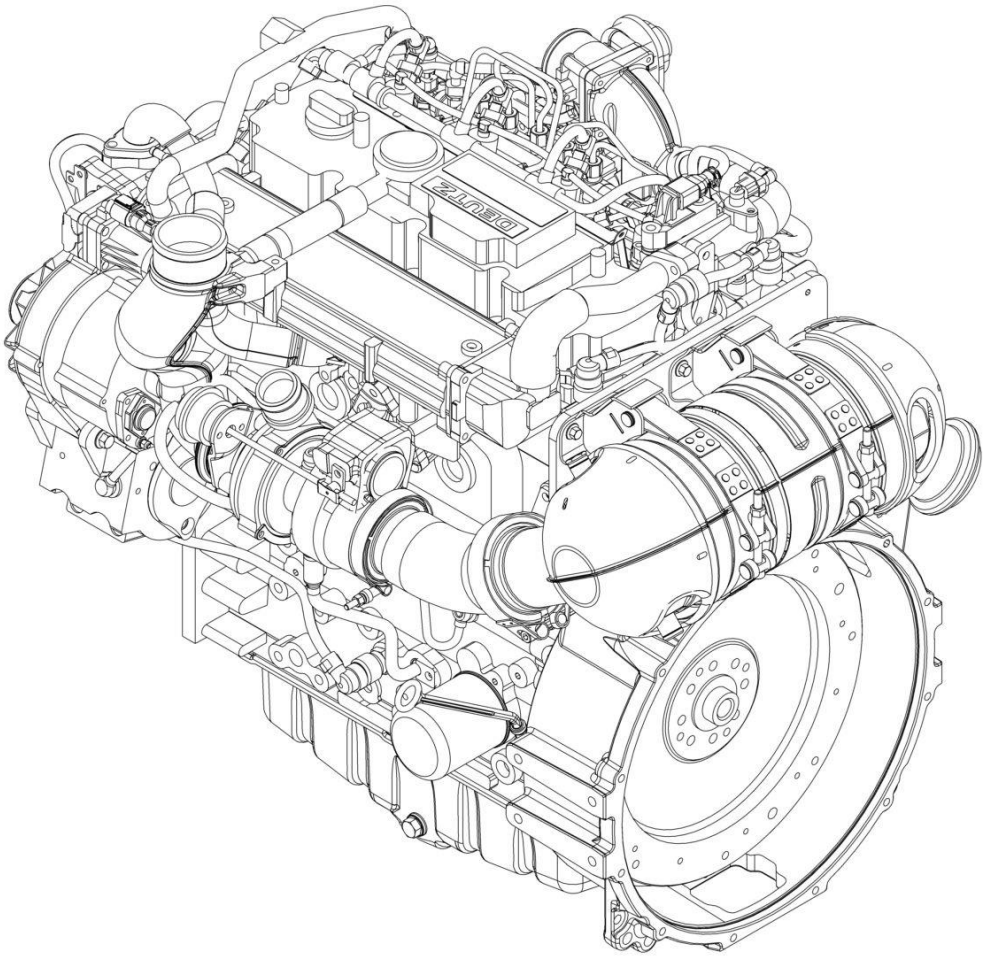


ART_1001175553

FIGURE 4-7. 3.6L ENGINE (90KW - ULS - PISTON PUMP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175553	Ref	3.6L Engine (90KW - ULS - Piston Pump)	H
	70027657	1	Dipstick	
	7020442	2	O-Ring	
	7020465	1	Cap, Filler	
	70025205	1	Gasket	
	70004280	1	Seal	
	7016331	1	Filter, Oil	
	70024494	1	Oil cooler	
	70024495	1	Gasket	
	70024509	1	Gasket	
	70011901	1	Pump, High Pressure	
	70024485	4	Injector, Fuel	
	70024504	1	Sensor, Pressure	
	70024920	1	Seal	
	70026011	1	Pump, Water	
	70024918	1	Sender, Temperature	
	70005504	1	Sensor, Pressure	
	70005505	2	O-Seal	
	70027405	1	Sensor, Temperature	
	70005507	2	O-Seal	
	70005515	1	Turbocharger	
	70024480	1	Gasket	
	70027404	1	Generator	
	70027403	1	V-Belt	
	70025535	1	Starter	
	70026210	1	Sensor	
	70005191	1	O-Ring	
	70024505	1	Sensor, Temperature	
	70005556	1	Sensor, Temperature	
	70005559	1	Sensor, Temperature	
	70025153	1	Prefilter, Fuel	
	70027417	1	Filter, Fuel	
	1001225432	1	Element, Filter	

FIGURE 4-8. 3.6L ENGINE (100KW - ULS - PISTON PUMP) (Prior to SN 0160126024)



ART_1001175555

FIGURE 4-8. 3.6L ENGINE (100KW - ULS - PISTON PUMP) (Prior to SN 0160126024)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175555	Ref	3.6L Engine (100KW - ULS - Piston Pump)	H
	70027657	1	Dipstick	
	7020442	2	O-Ring	
	7020465	1	Cap, Filler	
	70025205	1	Gasket	
	70004280	1	Seal	
	7016331	1	Filter, Oil	
	70024494	1	Oil cooler	
	70024495	1	Gasket	
	70024509	1	Gasket	
	70011901	1	Pump, High Pressure	
	70024485	4	Injector, Fuel	
	70024504	1	Sensor, Pressure	
	70024920	1	Seal	
	70026011	1	Pump, Water	
	70024918	1	Sender, Temperature	
	70005504	1	Sensor, Pressure	
	70005505	2	O-Seal	
	70027405	1	Sensor, Temperature	
	70005507	2	O-Seal	
	70005515	1	Turbocharger	
	70024480	1	Gasket	
	70027404	1	Generator	
	70027403	1	V-Belt	
	70025535	1	Starter	
	70026210	1	Sensor	
	70005191	1	O-Ring	
	70024505	1	Sensor, Temperature	
	70005556	1	Sensor, Temperature	
	70005559	1	Sensor, Temperature	
	70027417	1	Filter, Fuel	
	1001225432	1	Element, Filter	
	70025153	1	Prefilter, Fuel	

FIGURE 4-9. 3.6L ENGINE (100KW) (SN 0160126024 to Present)

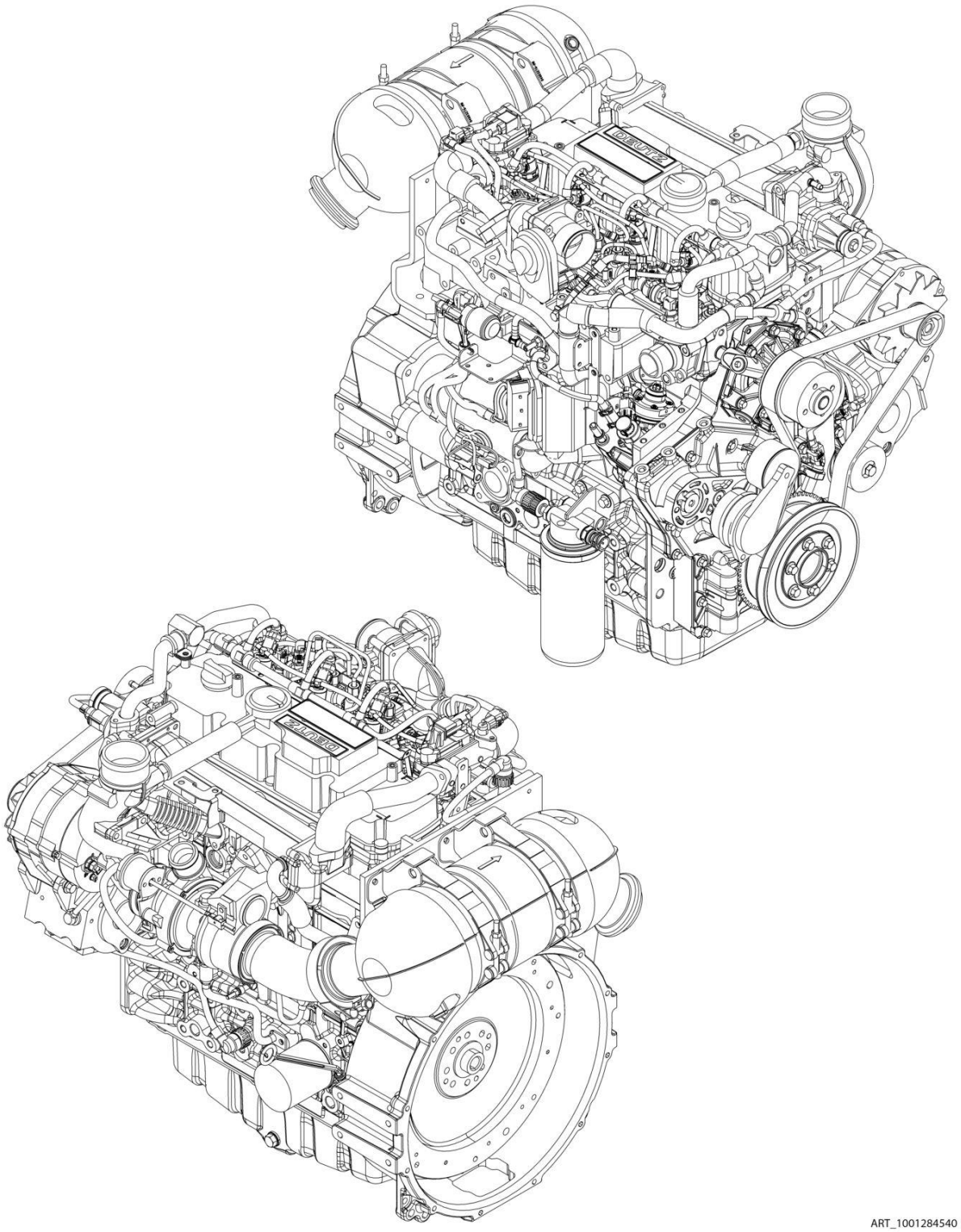


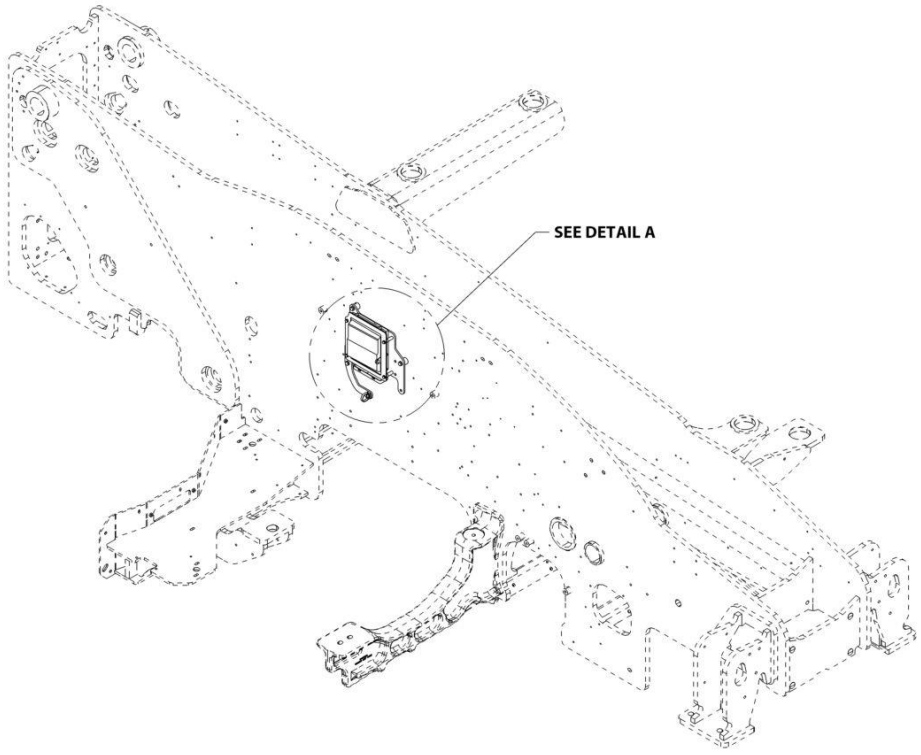
FIGURE 4-9. 3.6L ENGINE (100KW) (SN 0160126024 to Present)

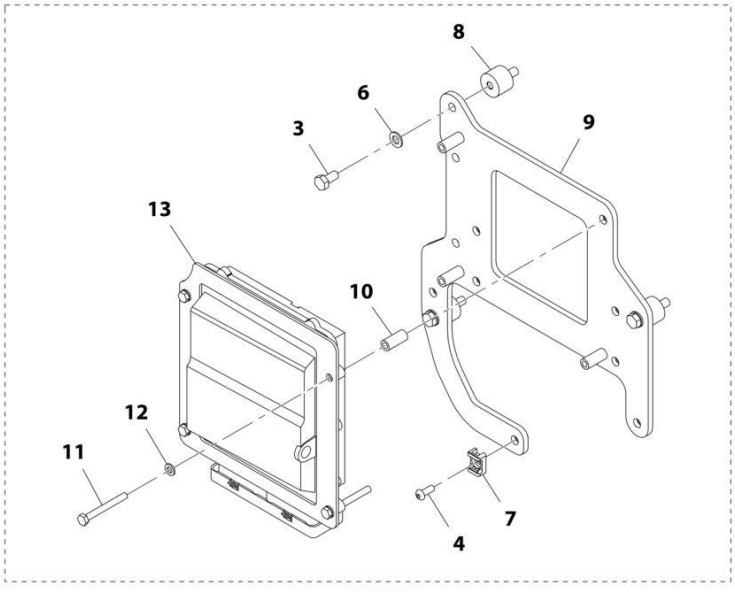
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284540	Ref	ENGINE COMPONENTS - DEUTZ TCD3.6	C
		Ref	**COOLING SYSTEM COMPONENTS**	
	70030273	1	Pump, Water (Includes Seals)	
	70005497	1	Seal	
		Ref	**ELECTRICAL SYSTEM COMPONENTS**	
	70008426	1	Module, Engine Control (ECU)	
	70024513	1	Cable, Primary Fuel Filter Sensor (Includes Seal)	
	70025239	1	Seal	
	70024504	2	Sensor, Fuel Pressure (at Filter) (Includes Seal)	
	70024920	1	Seal	
	70008422	1	Pump, Fuel Supply (Includes Clamps)	
	70025144	2	Clamp	
	70024507	1	Sensor, Pressure (On Air Exchange Manifold)	
	70031697	1	Sender, Temperature	
	70025535	1	Starter	
	70031087	1	Generator (Includes Control)	
	70031706	1	Control, Generator	
	70025780	1	Relay (on Air Exchange Manifold)	
	70008430	1	Harness, Engine	
	70026210	2	Sensor, Speed (Includes Sealing Ring)	
	70028542	4	Plug, Glow	
	70008431	1	Sensor, Pressure	
	70024505	1	Sender, Temperature	
	70005556	1	Sender, Temperature	
	70005522	1	Sensor	
	70005524	1	Sensor	
	1001211556	1	Sensor/Sender, Ambient Air	
	1001293066	1	Sensor, Level (DEF)	
		Ref	**EXHAUST COMPONENTS**	
	70029399	1	Gasket, Exhaust Manifold to Head (Not Shown)	
	70029879	1	Gasket, Exhaust Manifold to Turbo	
	70007083	1	Turbocharger	
	70031712	1	Catalyst, Exhaust (SCR)	
	70031714	1	Catalyst, Exhaust (DPF)	
		Ref	FUEL SYSTEM COMPONENTS	
	1001225430	1	Filter, Fuel Primary	
	1001225432	1	Filter, Fuel	
	70008425	1	Pump, High Pressure	
	70025152	1	O-Ring	
	70004505	1	Valve, Overflow (Includes O-Rings)	
	70004506	1	O-Ring	
	70004507	1	O-Ring	
	70004508	1	Valve, Volume Control (Includes O-Ring & Gasket)	
	70004509	1	O-Ring	
	70004510	1	Gasket	
	70024485	4	Injector, Fuel (Includes Sealing Washer & O-Ring)	
	70025140	4	Washer, Sealing	
	70025145	4	O-Ring	
	70005492	1	Valve, Throttle	
	70031385	1	Pump, Supply (Includes Filter, Cap & Seals)	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70005549	1	Filter	
	70005550	1	Cover	
		Ref	**GASKETS & SEALS & KITS**	
	70025707	1	Gasket Kit	
	70024483	1	Gasket, Head	
	70024481	1	Gasket, Valve Cover	
	70004280	1	Seal, Front Main	
	70024495	1	Gasket, Oil Cooler	
	70025235	1	Kit, Repair - Fuel Rail	
	70024475	1	Gasket, Air Exchange Manifold	
	70024965	1	Gasket, Fan Pump	
	TP_REF	Ref	LUBRICATION SYSTEM COMPONENTS	
	7016331	1	Filter, Oil	
	70027657	1	Dipstick (Includes O-Ring)	
	7020442	1	O-Ring, Dipstick	
	70025755	1	Tube, Dipstick	
	70005941	1	Plug, Oil Drain	
	7020404	1	Washer, Oil Drain Plug	
	7020465	1	Cap, Oil Fill	
	70031215	1	Pump, Oil (Includes Adapter Tube & O-Ring)	
	70029386	4	O-Ring (Oil Pump)	
	70031474	1	Cooler, Oil	
		Ref	**MECHANICAL COMPONENTS**	
	70025743	1	Pulley, Crank (V-Groove)	
	70027410	1	Pulley, Crank (Ribbed)	
	70028764	1	Flywheel (Includes Ring Gear)	
	7020208	1	Gear, Ring	
	70025737	1	Wheel, Sensor	
	70025775	1	Belt, Ribbed (Drives Generator)	
	70027403	1	Belt, Ribbed	
	70027431	1	Tensioner, Belt	
	70027468	1	Pump, Drive	

FIGURE 4-10. ENGINE ECU INSTALLATION (ULS)





DETAIL A

ART_1001182735-D

FIGURE 4-10. ENGINE ECU INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182735	Ref	Engine ECU Installation (ULS)	D
3	0760808	3	Bolt, M8X16	
4	3900357	1	Capscrew, M6X16	
6	4811900	3	Washer, M8	
7	1001138645	1	Mount, Cable Tie	
8	1001179907	3	Mount, Isolator	
9	1001183347	1	Plate	
10	1001196587	4	Sleeve, Spacer	
11	0760619	4	Bolt, M6X55	
12	4811700	4	Washer, M6	
13	1001206120	1	Plate	

FIGURE 4-11. BRACKET GUARD INSTALLATION

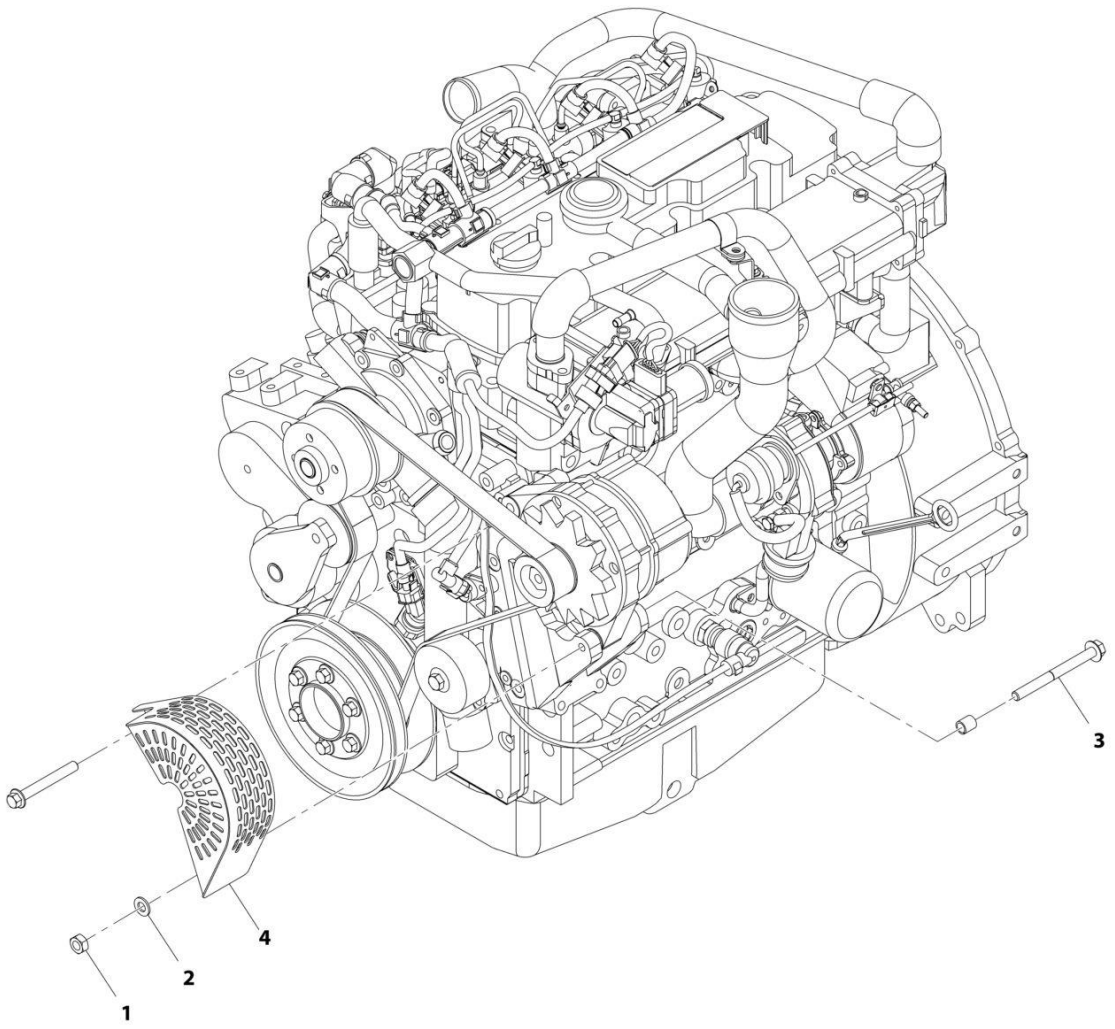


FIGURE 4-11. BRACKET GUARD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182235	Ref	Bracket Guard Installation	B
1	3291001	1	Nut, M10X1.5 Grade 8	
2	4812000	1	Washer, M10	
3	1001152378	1	Bolt, M10X110 Grade 10.9	
4	1001213006	1	Bracket, Guard	

FIGURE 4-12. FUEL LINES INSTALLATION (ULS - RHOC)

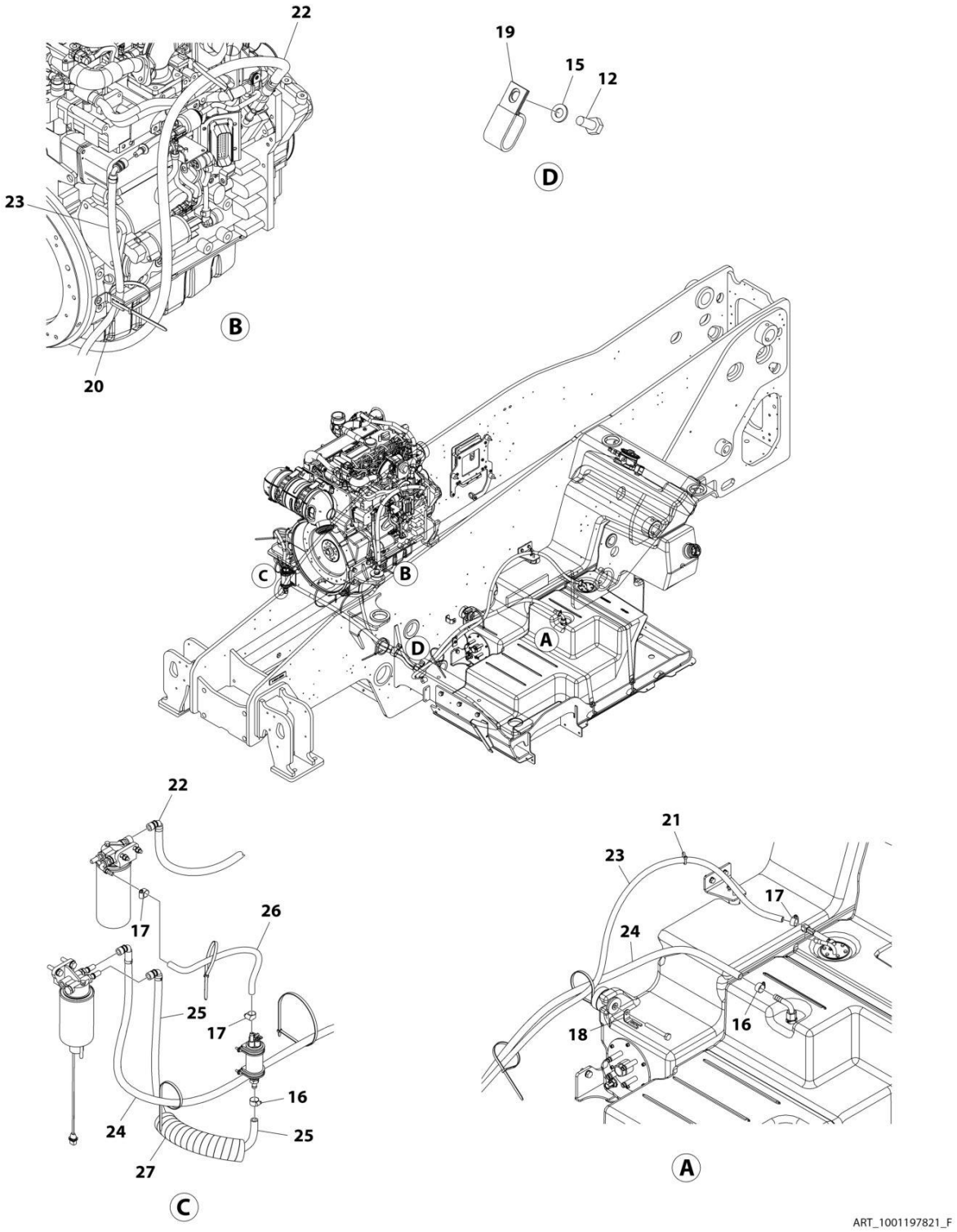


FIGURE 4-12. FUEL LINES INSTALLATION (ULS - RHOC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197821	Ref	FUEL LINES INSTALLATION (ULS - RHOC)	F
12	0761012	2	Bolt M10 x 25	
13	1062255	AR	Tie-Strap 365MM (Not Shown)	
14	4240127	AR	Tie-Strap 615MM (Not Shown)	
15	4812000	2	Washer M10	
16	8405006	2	Clamp, Gear	
17	8410013	3	Clamp, Gear	
18	1001003305	1	Clip	
19	1001026104	2	Clip	
20	1001130198	1	Clip, 90	
21	1001146588	1	Strap, Fir Tree Cable Tie	
22	1001204841	1	Hose, 0.5IN Fuel	
23	1001256644	1	Hose, 0.38IN Fuel	
24	1001216854	1	Hose, 0.5IN Fuel	
25	1001216855	1	Hose, 0.5IN Fuel	
26	1001205041	1	Hose, 0.38IN Fuel	
27	1001268889	1	Sleeve, Hose Wrap	

FIGURE 4-13. EXHAUST INSTALLATION (ULS) (Prior to SN 0160126024)

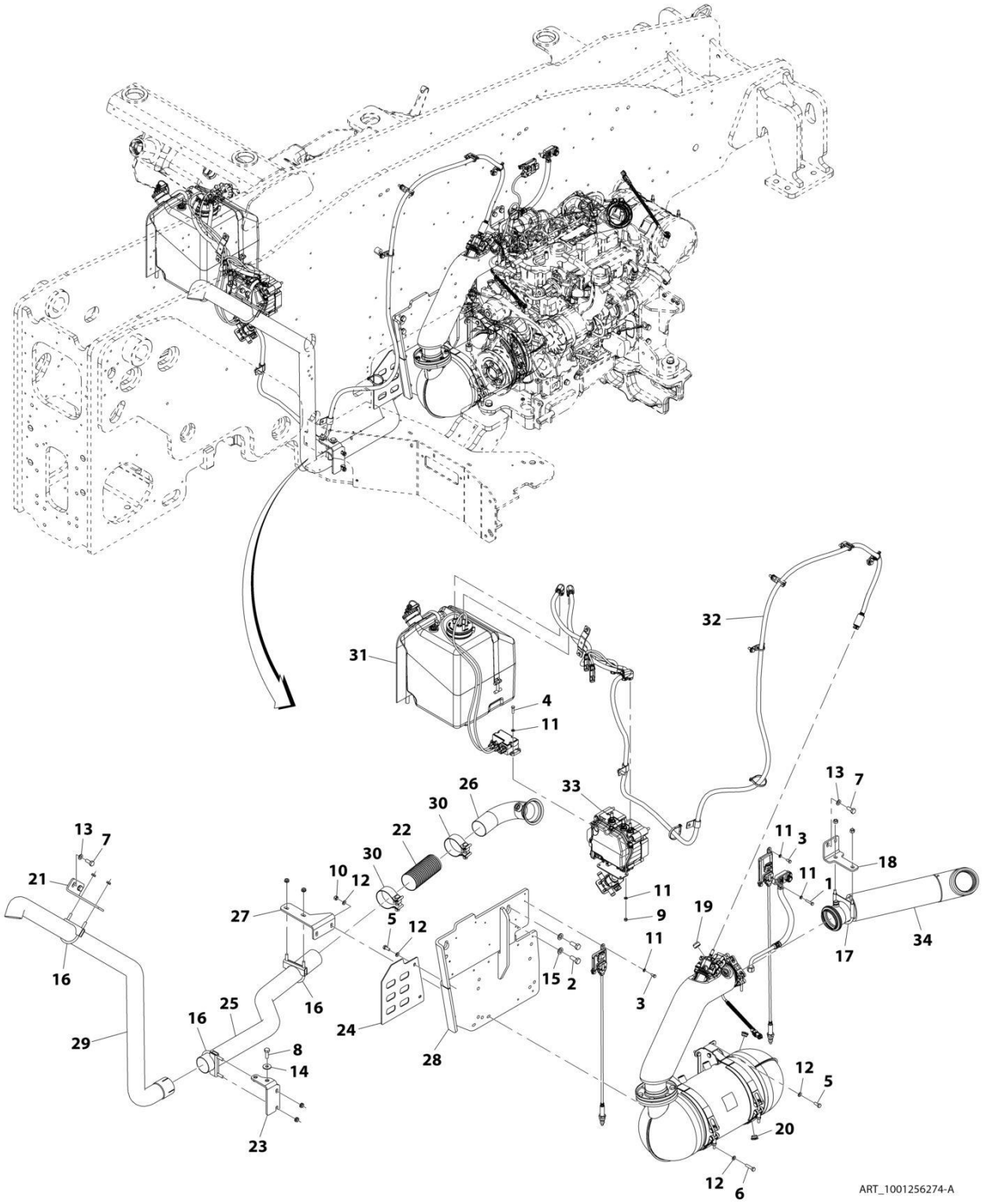


FIGURE 4-13. EXHAUST INSTALLATION (ULS) (Prior to SN 0160126024)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256274	Ref	EXHAUST INSTALLATION (ULS)	A
1	0700614	2	Bolt M6 x 30	
2	0701214	4	Bolt M12 x 30	
3	0760607	4	Bolt M6 x 14	
4	0760612	4	Bolt, M6 x 25	
5	0760810	8	Bolt M8 x 20	
6	0760815	2	Bolt M8 x 35	
7	0761012	4	Bolt M10 x 25	
8	0761014	2	Bolt M10 x 30	
9	3290605	4	Nut, Lock M6 x 1 Grade 8	
10	3290805	2	Nut, Lock M8 x 1.25 Grade 8	
11	4811700	5	Washer M6	
12	4811900	12	Washer M8	
13	4812000	4	Washer M10	
14	4812002	2	Washer M10	
15	4812100	4	Washer M12	
16	8275212	3	Clamp, Muffler	
17	24921332	1	Clamp, Exhaust	
18	1001169918	1	Plate, Exhaust	
19	1001171913	1	Cap	
20	1001171959	2	Plug	
21	1001182824	1	Bracket, Tailpipe	
22	1001201766	1	Pipe, Exhaust Flex	
23	1001201811	1	Bracket, Tailpipe	
24	1001201823	1	Plate, Airflow	
25	1001201929	1	Pipe, Exhaust	
26	1001201930	1	Pipe, Exhaust	
27	1001201933	1	Support, Exhaust Pipe	
28	1001210022	1	Bracket	
29	1001222187	1	Pipe, Tail Exhaust	
30	1001225213	2	Clamp, Flex Pipe	
31	1001256277	1	Installation, DEF Tank (ULS) (See Separate Breakdown in this Section)	
32	1001256278	1	Installation, DEF Lines (ULS) (See Separate Breakdown in this Section)	
33	1001256563	1	Installation, DEF Control Module (ULS) (See Separate Breakdown in this Section)	
34	1001193551	1	Pipe, Exhaust Flex	

FIGURE 4-14. EXHAUST INSTALLATION (ULS) (SN 0160126024 to Present)

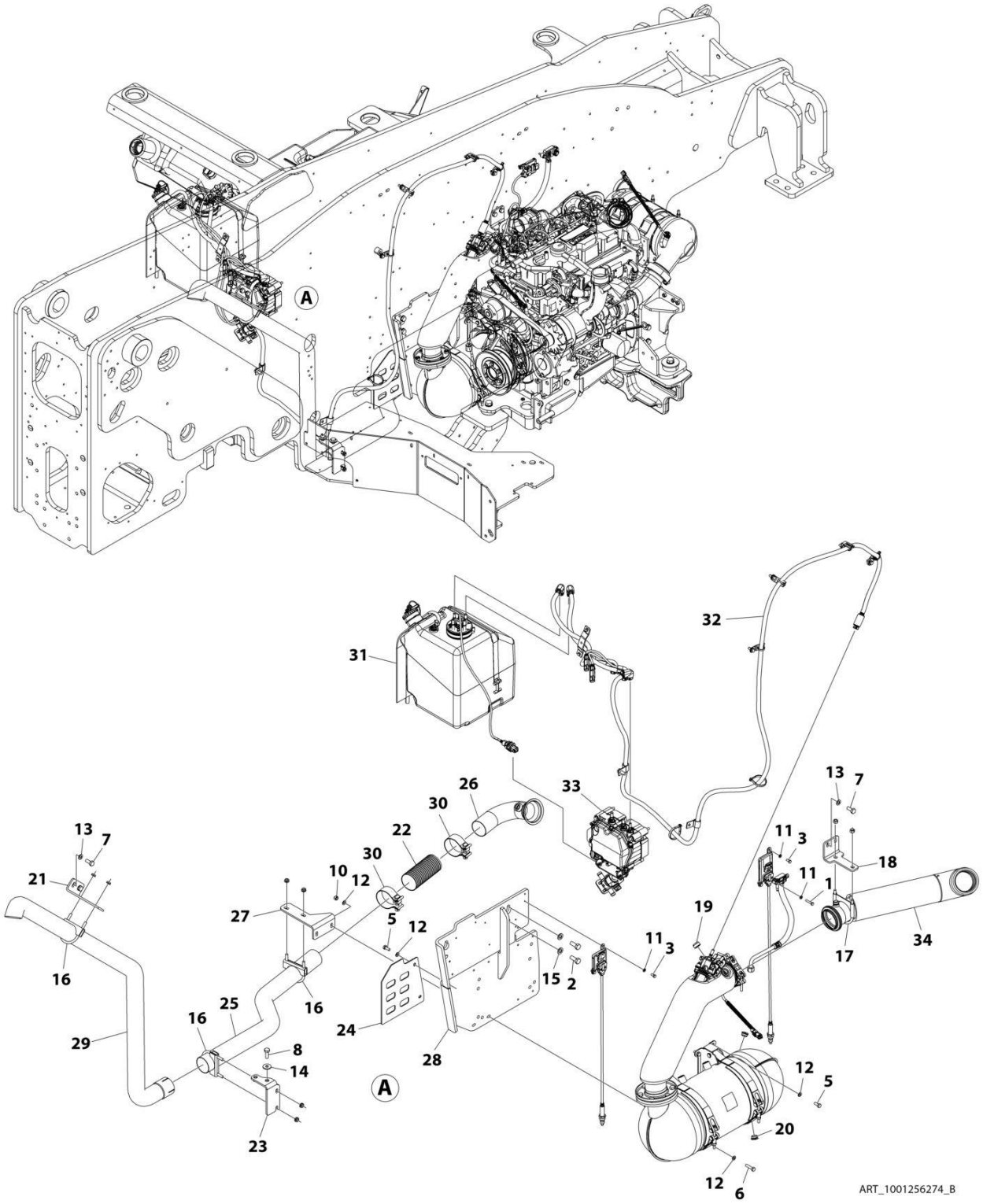


FIGURE 4-14. EXHAUST INSTALLATION (ULS) (SN 0160126024 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256274	Ref	EXHAUST INSTALLATION (ULS)	C
1	0700614	2	Bolt M6 x 30	
2	0701214	4	Bolt M12 x 30	
3	0760607	4	Bolt M6 x 14	
5	0760810	8	Bolt M8 x 20	
6	0760815	2	Bolt M8 x 35	
7	0761012	4	Bolt M10 x 25	
8	0761014	2	Bolt M10 x 30	
10	3290805	2	Nut, Lock M8X1.25 Grade 8	
11	4811700	5	Washer M6	
12	4811900	12	Washer M8	
13	4812000	4	Washer M10	
14	4812002	2	Washer M10	
15	4812100	4	Washer M12	
16	8275212	3	Clamp, Muffler	
17	24921332	1	Clamp, Exhaust	
18	1001169918	1	Plate, Exhaust	
21	1001182824	1	Bracket, Tailpipe	
22	1001201766	1	Pipe, Exhaust Flex	
23	1001201811	1	Bracket, Tailpipe	
24	1001201823	1	Plate, Airflow	
25	1001201929	1	Pipe, Exhaust	
26	1001201930	1	Pipe, Exhaust	
27	1001201933	1	Support, Exhaust Pipe	
28	1001210022	1	Bracket	
29	1001222187	1	Pipe, Tail Exhaust	
30	1001225213	2	Clamp, Flex Pipe	
31	1001294203	1	Installation, DEF Tank (ULS) (See Separate Breakdown in this Section)	
32	1001294204	1	Installation, DEF Lines (ULS) (See Separate Breakdown in this Section)	
33	1001256563	1	Installation, DEF Control Module (ULS) (See Separate Breakdown in this Section)	
34	1001193551	1	Pipe, Exhaust Flex	
35	1001004720	4	| Strap- Cable (Not Shown)	

FIGURE 4-15. EXHAUST INSTALLATION (LS)

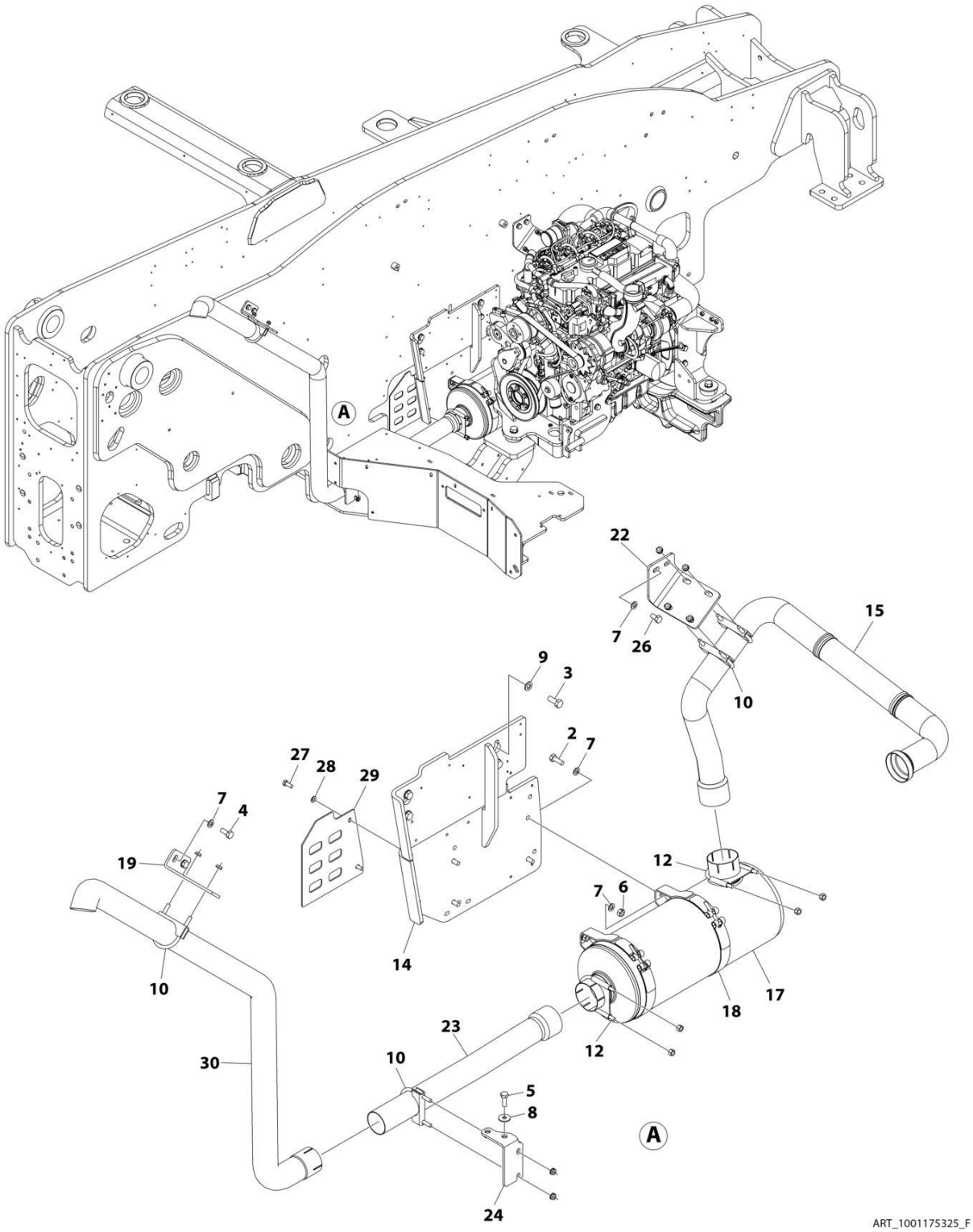


FIGURE 4-15. EXHAUST INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175325	Ref	EXHAUST INSTALLATION (LS)	F
2	0701014	4	Bolt M10 x 30	
3	0701214	4	Bolt M12 x 30	
4	0761012	2	Bolt M10 x 25	
5	0761014	2	Bolt M10 x 30	
6	3291007	4	Nut M10	
7	4812000	12	Washer M10	
8	4812002	2	Washer M10	
9	4812100	4	Washer M12	
10	8275212	4	Clamp, Muffler	
12	24921332	2	Clamp, Exhaust	
14	1001210022	1	Bracket	
15	1001298301	1	Pipe, Exhaust	
17	1001180226	1	Muffler, Exhaust	
18	1001180227	2	Clamp, Muffler	
19	1001182824	1	Bracket, Tailpipe	
22	1001288376	1	Plate, Exhaust	
23	1001184710	1	Tube, Exhaust	
24	1001201811	1	Bracket, Tailpipe	
26	0761010	2	Bolt M10 x 20	
27	0760810	2	Bolt M8 x 20	
28	4811900	2	Washer M8	
29	1001201823	1	Plate, Airflow	
30	1001222187	1	Pipe, Tail Exhaust	

FIGURE 4-16. DEF TANK INSTALLATION (ULS) (Prior to SN 0160126024)

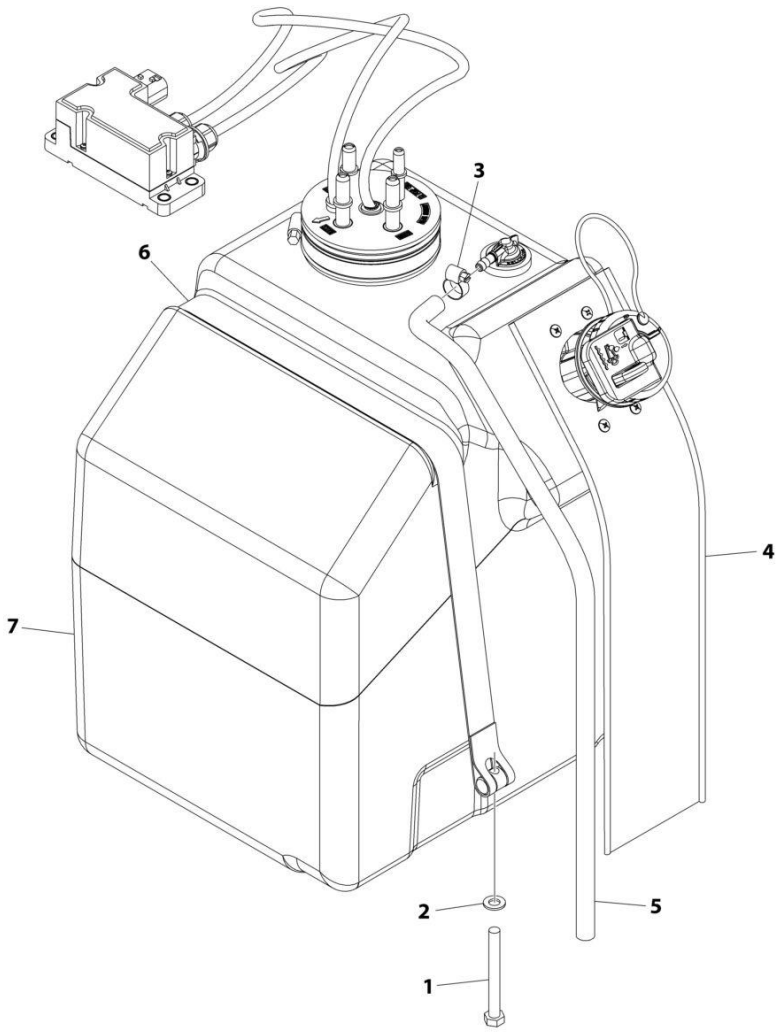


FIGURE 4-16. DEF TANK INSTALLATION (ULS) (Prior to SN 0160126024)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256277	Ref	DEF TANK INSTALLATION (ULS)	B
1	0760823	1	Bolt M8 x 75	
2	4811900	1	Washer M8	
3	8405009	1	Clamp	
4	1001168272	1	Sleeve	
5	1001175201	0.6 m	Hose	
6	1001178791	1	Strap	
7	1001289563	1	DEF Tank Assembly (ULS) (See Separate Breakdown in this Section)	

FIGURE 4-17. DEF TANK INSTALLATION (SN 0160126024 to Present)

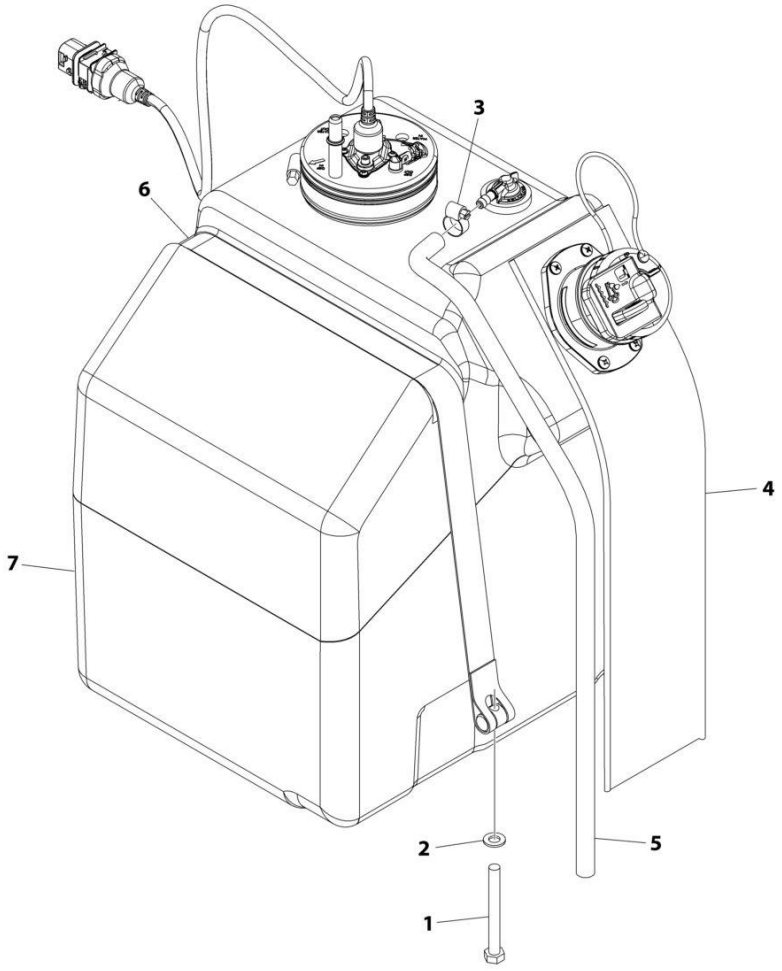


FIGURE 4-17. DEF TANK INSTALLATION (SN 0160126024 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294203	Ref	DEF TANK INSTALLATION	A
1	0760823	1	Bolt M8 x 75	
2	4811900	1	Washer M8	
3	8405009	1	Clamp	
4	1001168272	1	Sleeve	
5	1001175201	2 ft	Hose	
6	1001178791	1	Strap	
7	1001289563	1	DEF Tank Assembly (ULS) (See Separate Breakdown in this Section)	

FIGURE 4-18. DEF TANK ASSEMBLY

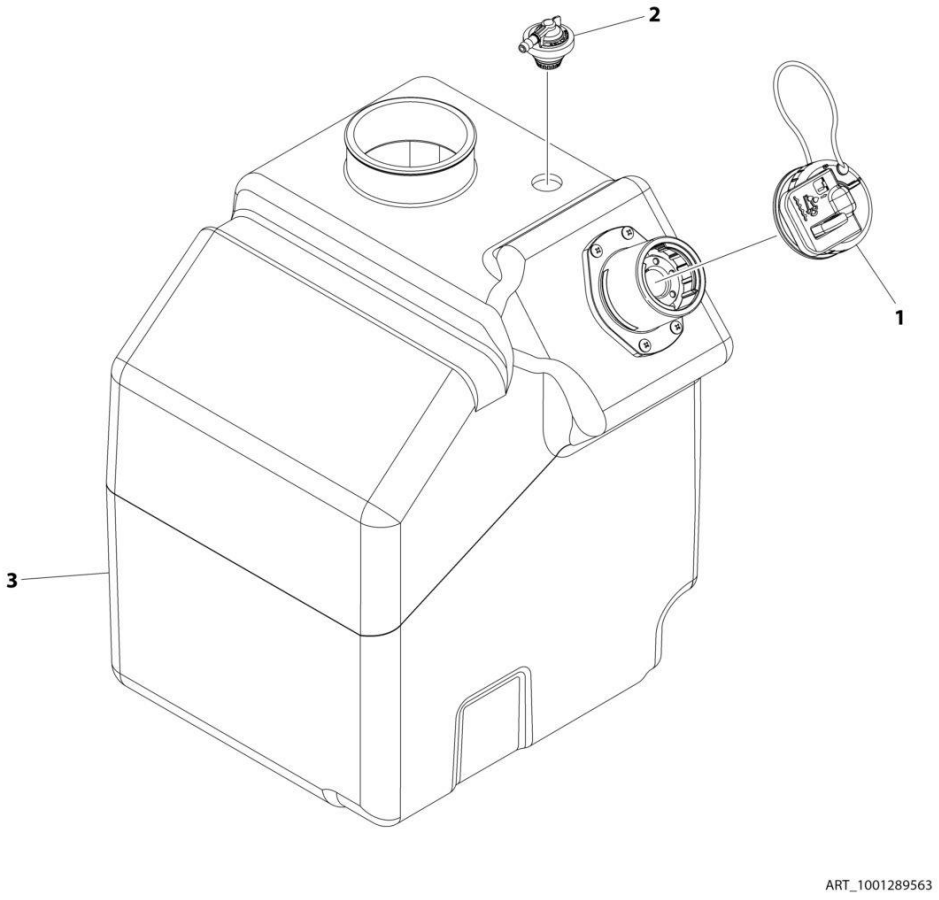


FIGURE 4-18. DEF TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289563	Ref	DEF TANK ASSEMBLY	A
1	1001174795	1	Reutter Cap Assembly	
2	1001215319	1	DEF Breather Valve	
3	1001289562	1	DEF Tank	

FIGURE 4-19. DEF LINES INSTALLATION (ULS) (Prior to SN 0160126024)

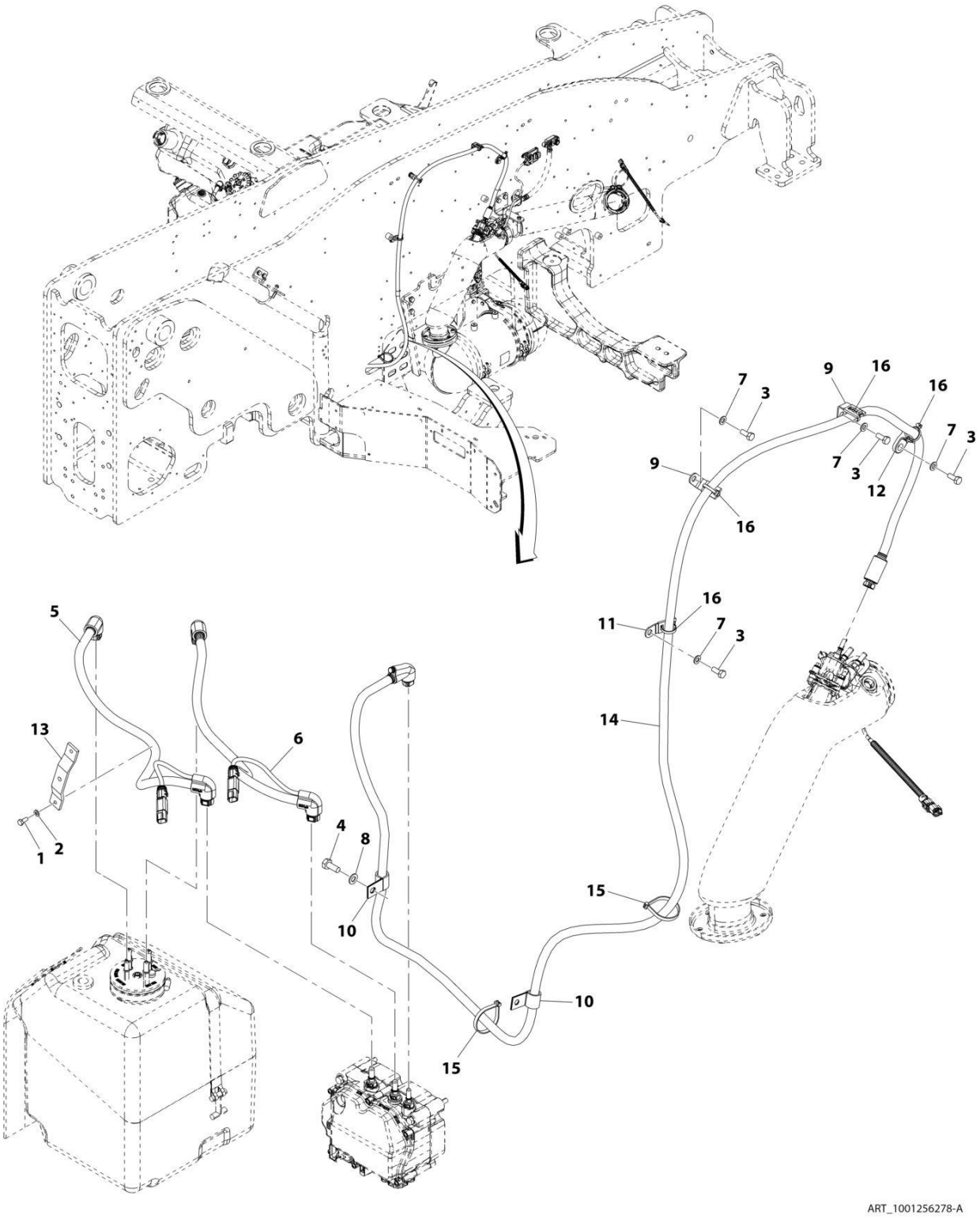


FIGURE 4-19. DEF LINES INSTALLATION (ULS) (Prior to SN 0160126024)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256278	Ref	DEF LINES INSTALLATION (ULS)	A
1	0760607	2	Bolt M6 x 14	
2	4831700	2	Washer, Lock M6	
3	0760810	4	Bolt M8 x 20	
4	0761012	1	Bolt M10 x 25	
5	1001239879	1	Hose, Heated (DEF)	
6	1001239878	1	Hose, Heated (DEF)	
7	4811900	4	Washer M8	
8	4812000	1	Washer M10	
9	1001003305	2	Clip	
10	1001008574	2	Clip	
11	1001008593	1	Clip	
12	1001169146	1	Mount	
13	1001180328	1	Bracket	
14	1001207486	1	Hose, Heated (DEF)	
15	1062255	2	Strap, Tie	
16	471678	4	Strap, Tie	

FIGURE 4-20. DEF LINES INSTALLATION (SN 0160126024 to Present)

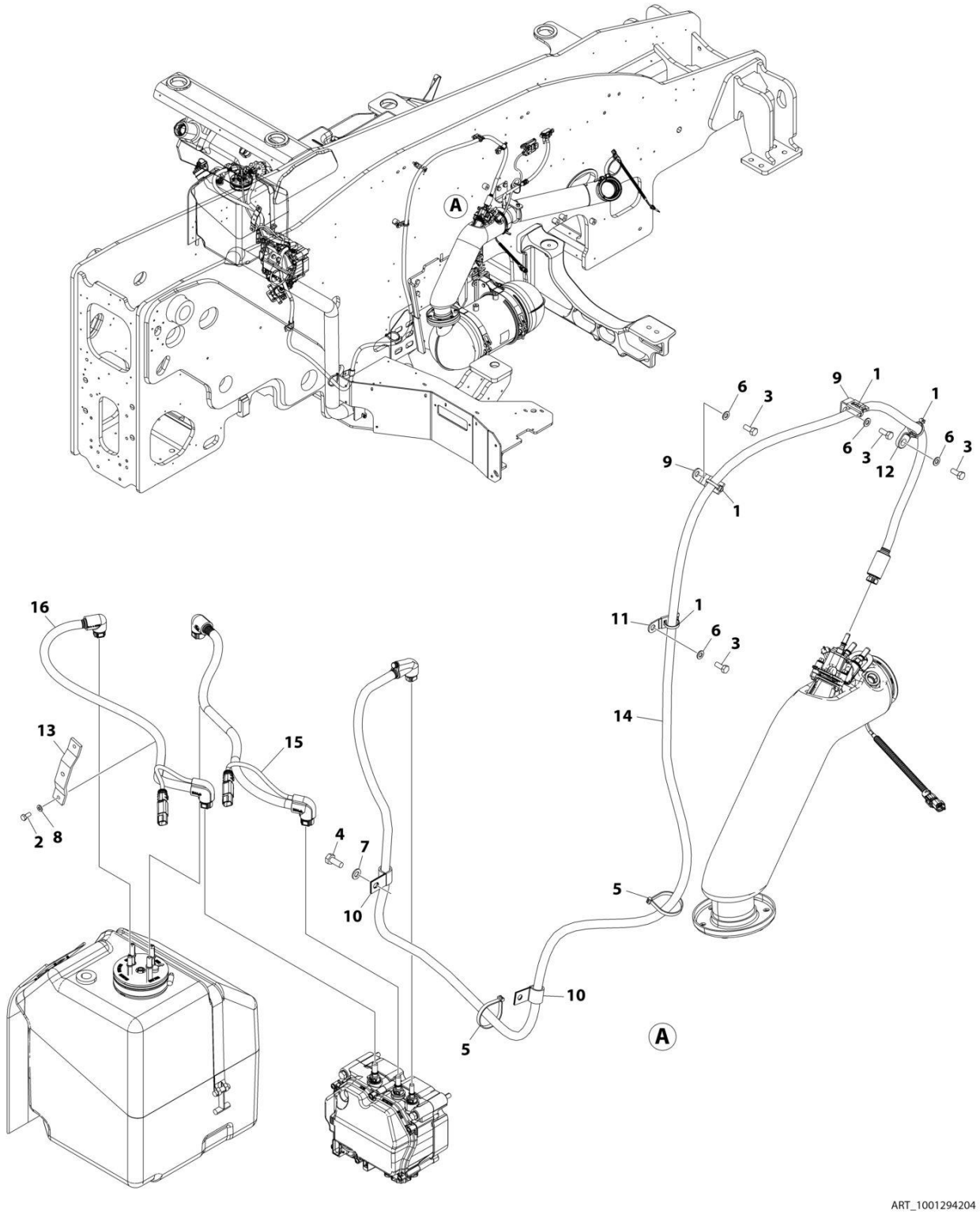


FIGURE 4-20. DEF LINES INSTALLATION (SN 0160126024 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294204	Ref	DEF LINES INSTALLATION	A
1	471678	4	Strap, Tie	
2	0760607	2	Bolt M6 x 14	
3	0760810	4	Bolt M8 x 20	
4	0761012	1	Bolt M10 x 25	
5	1062255	2	Strap, Tie	
6	4811900	4	Washer M8	
7	4812000	1	Washer M10	
8	4831700	2	Washer, Lock M6	
9	1001003305	2	Clip	
10	1001008574	2	Clip	
11	1001008593	1	Clip	
12	1001169146	1	Mount	
13	1001180328	1	Bracket	
14	1001207486	1	Hose, Heated (DEF)	
15	1001239878	1	Hose, Heated (DEF)	
16	1001239879	1	Hose, Heated (DEF)	

FIGURE 4-21. DEF CONTROL MODULE INSTALLATION (ULS)

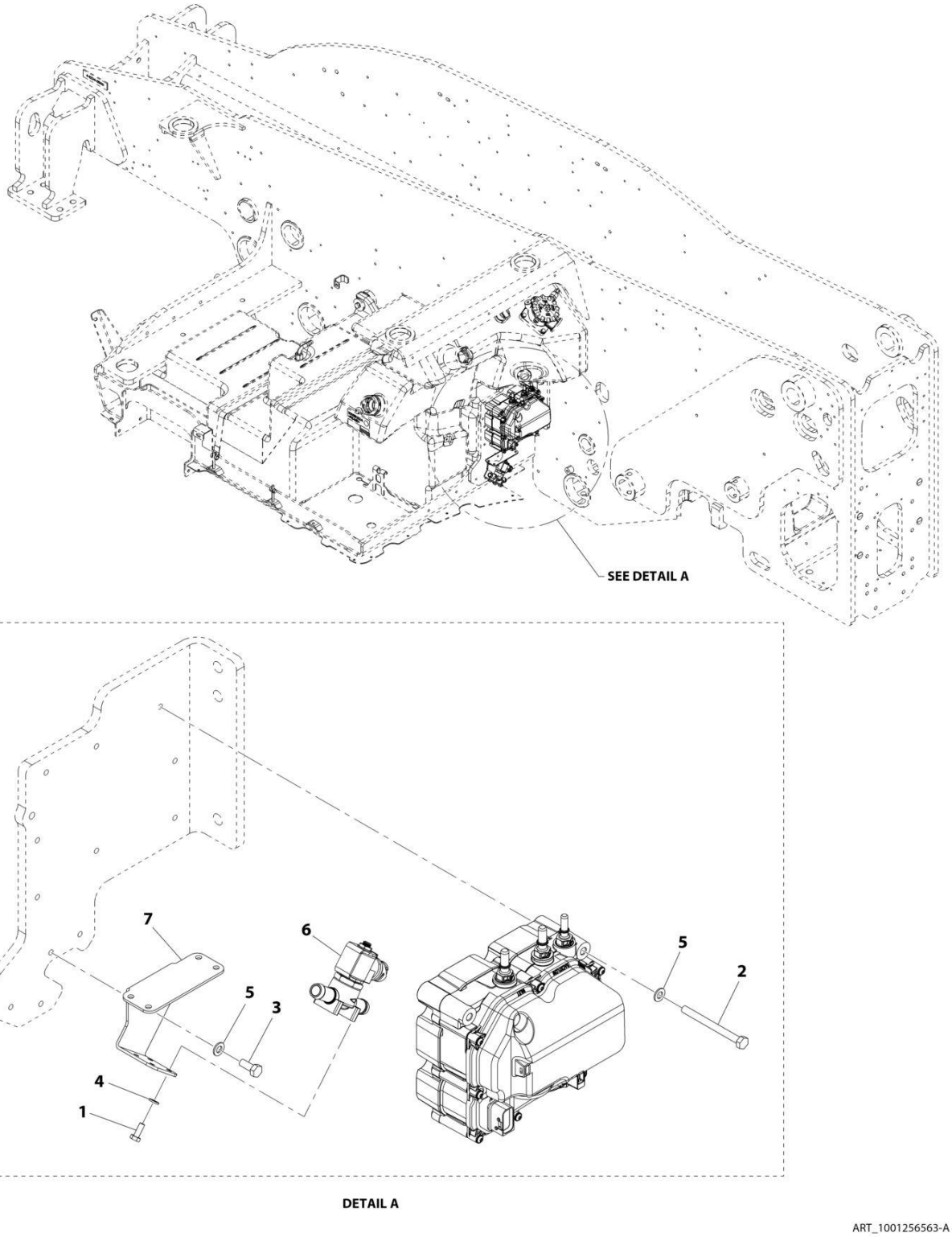


FIGURE 4-21. DEF CONTROL MODULE INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256563	Ref	DEF Control Module Installation (ULS)	A
1	0700608	4	Bolt, M6X16	
2	0700826	3	Bolt, M8X90	
3	0760810	2	Bolt, M8X20	
4	4811700	4	Washer, M6	
5	4811900	5	Washer, M8	
6	1001199670	1	Valve	
7	1001256410	1	Bracket	

FIGURE 4-22. AIR CLEANER INSTALLATION (90/100KW)

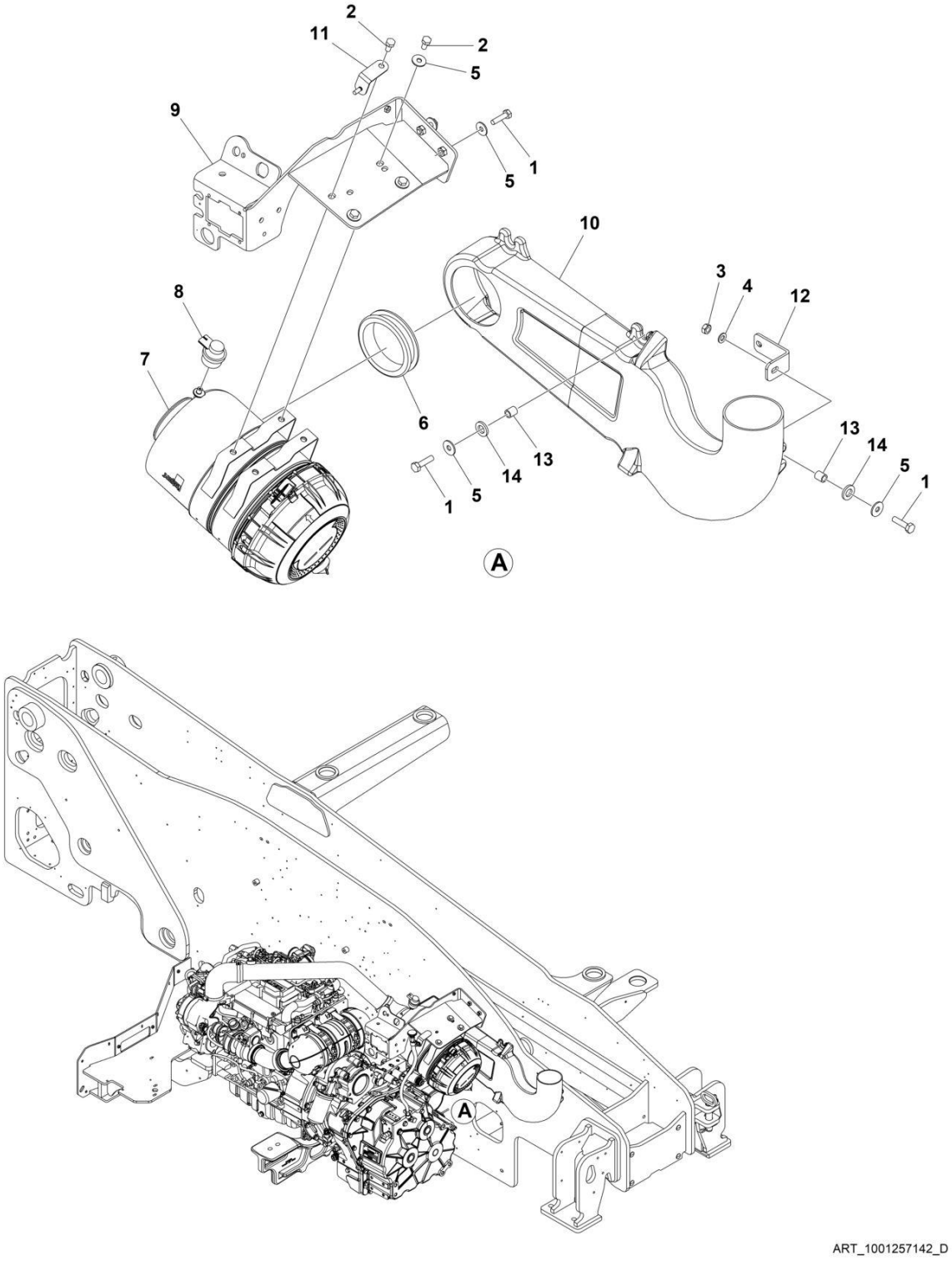


FIGURE 4-22. AIR CLEANER INSTALLATION (90/100KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257142	Ref	AIR CLEANER INSTALLATION (90/100KW)	D
1	0701016	8	Bolt M10 x 40	
2	0761010	4	Bolt M10 x 20	
3	3291001	1	Nut M10 x 1.5 Grade 8	
4	4812000	1	Washer M10	
5	4812002	11	Washer M10	
6	1001183831	1	Grommet	
7	1001166565	1	Filter, Air Cleaner (90/100KW) (See Separate Breakdown in this Section)	
8	1001166715	1	Sensor, Air Restriction	
9	1001212906	1	Bracket	
10	1001216813	1	Duct	
11	1001263830	1	Bracket	
12	1001231388	1	Bracket	
13	1001231389	5	Sleeve, Spacer	
14	1001231390	5	Washer	

FIGURE 4-23. AIR CLEANER ASSEMBLY (90/100KW)

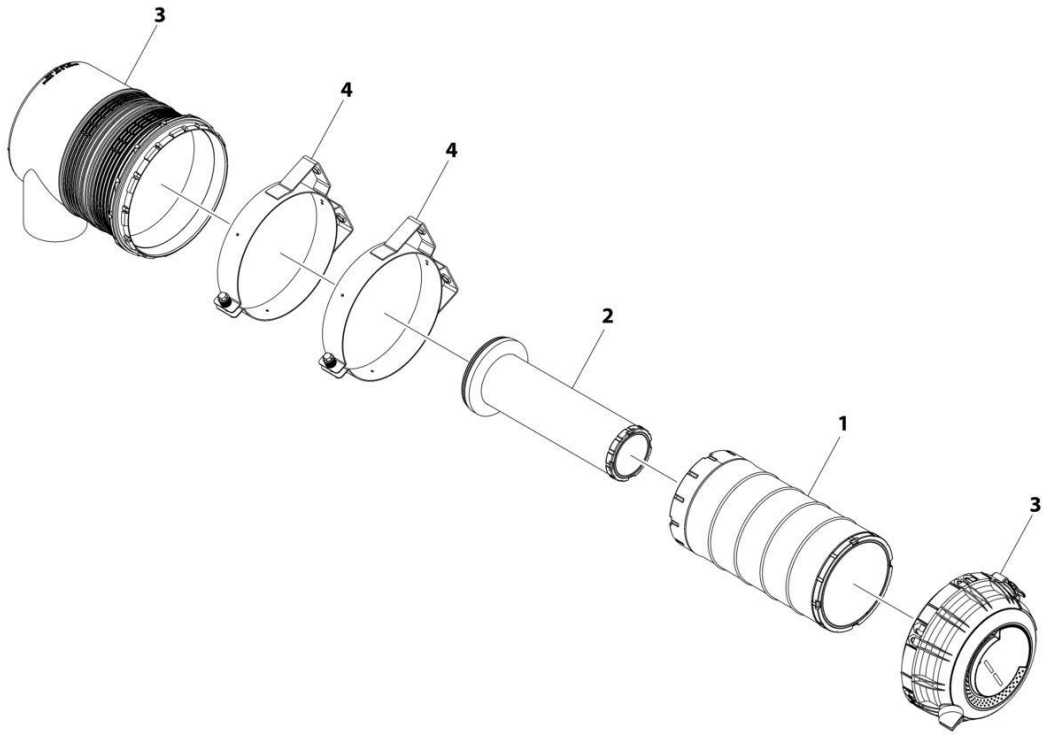
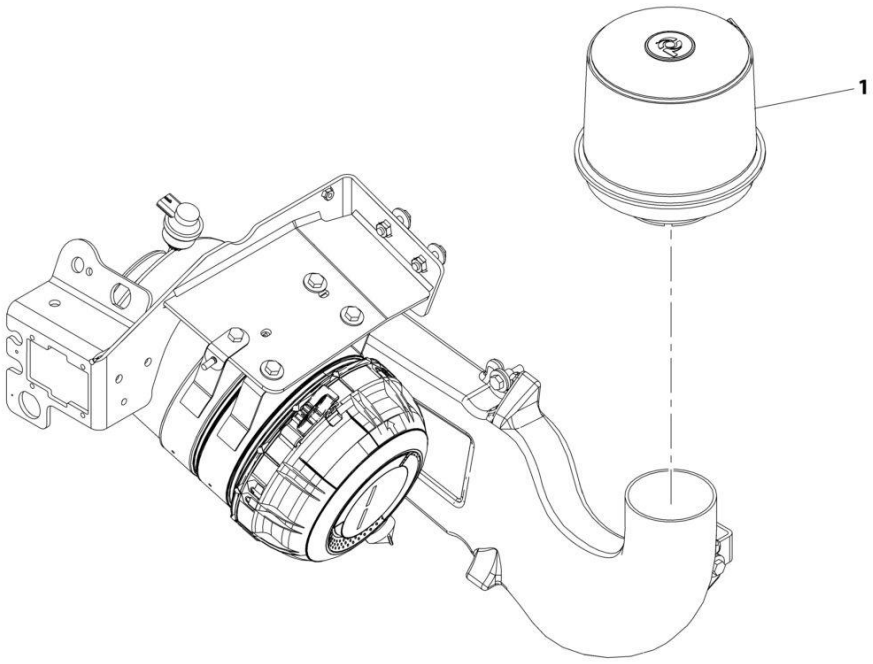


FIGURE 4-23. AIR CLEANER ASSEMBLY (90/100KW)

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 4-24. PRE-AIR CLEANER ACCESSORY

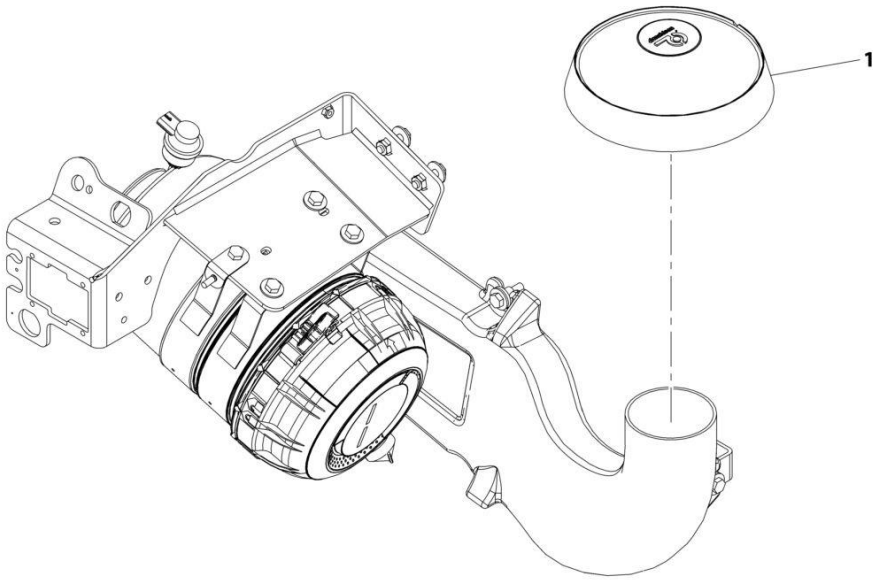


ART_1001231731-A

FIGURE 4-24. PRE-AIR CLEANER ACCESSORY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231731	Ref	PRE-AIR CLEANER ACCESSORY	A
1	1001092771	1	Accessory, Pre-Cleaner,Topspin	

FIGURE 4-25. AIR INTAKE RAIN CAP ACCESSORY



ART_1001231732-A

FIGURE 4-25. AIR INTAKE RAIN CAP ACCESSORY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231732	Ref	Air Intake Rain Cap Accessory	A
1	1001231750	1	Accessory, Rain Cap	

FIGURE 4-26. AIR INTAKE LINES INSTALLATION (90/100KW - ULS)

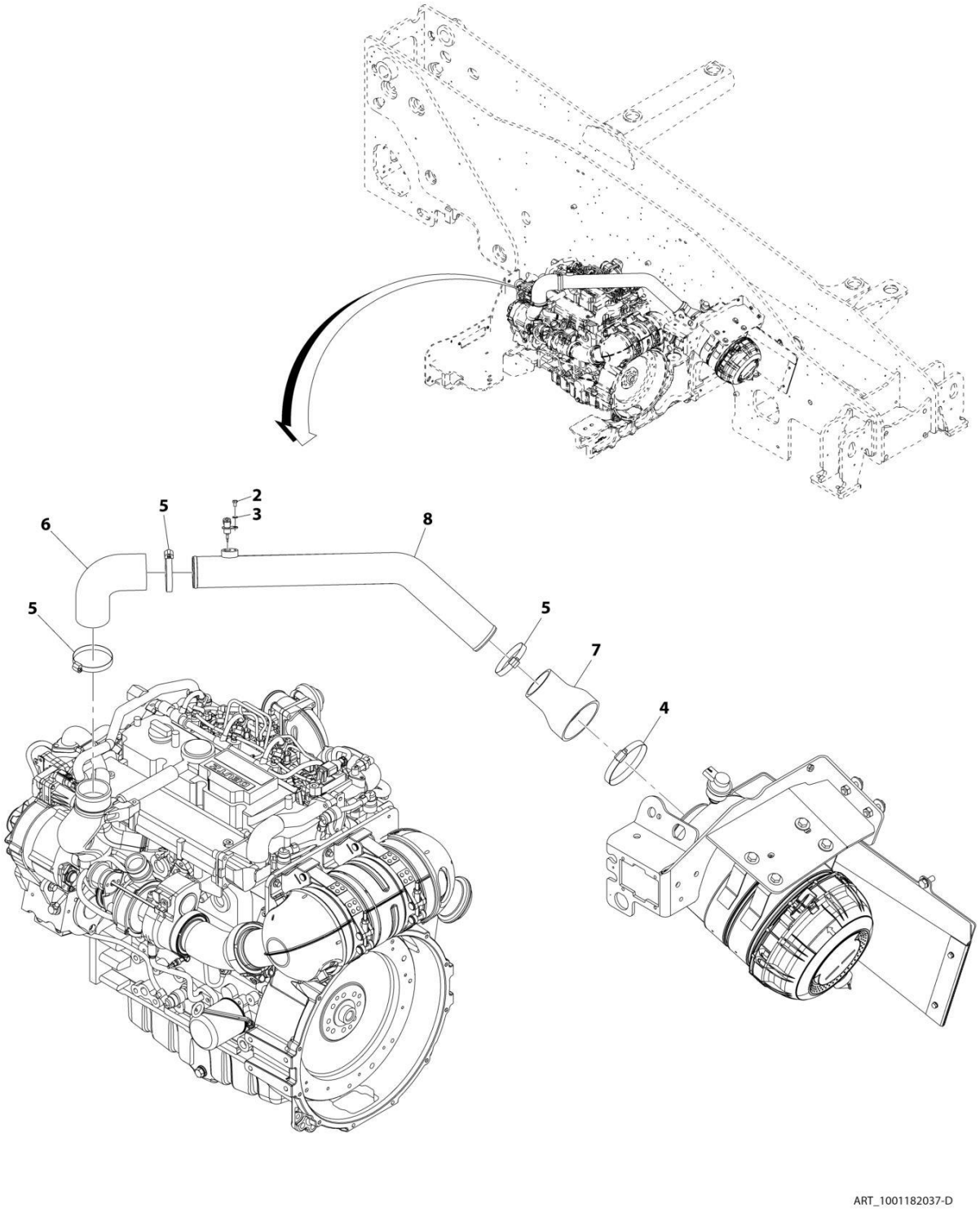


FIGURE 4-26. AIR INTAKE LINES INSTALLATION (90/100KW - ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182037	Ref	Air Intake Lines Installation (90/100KW - ULS)	D
2	0760605	1	Bolt, M6X10	
3	4811700	1	Washer, M6	
4	8405402	1	Clamp	
5	8410011	3	Clamp, Gear	
6	1001182881	1	Hose	
7	1001182885	1	Hose	
8	1001182886	1	Tube	

FIGURE 4-27. AIR INTAKE LINES INSTALLATION (90KW - LS)

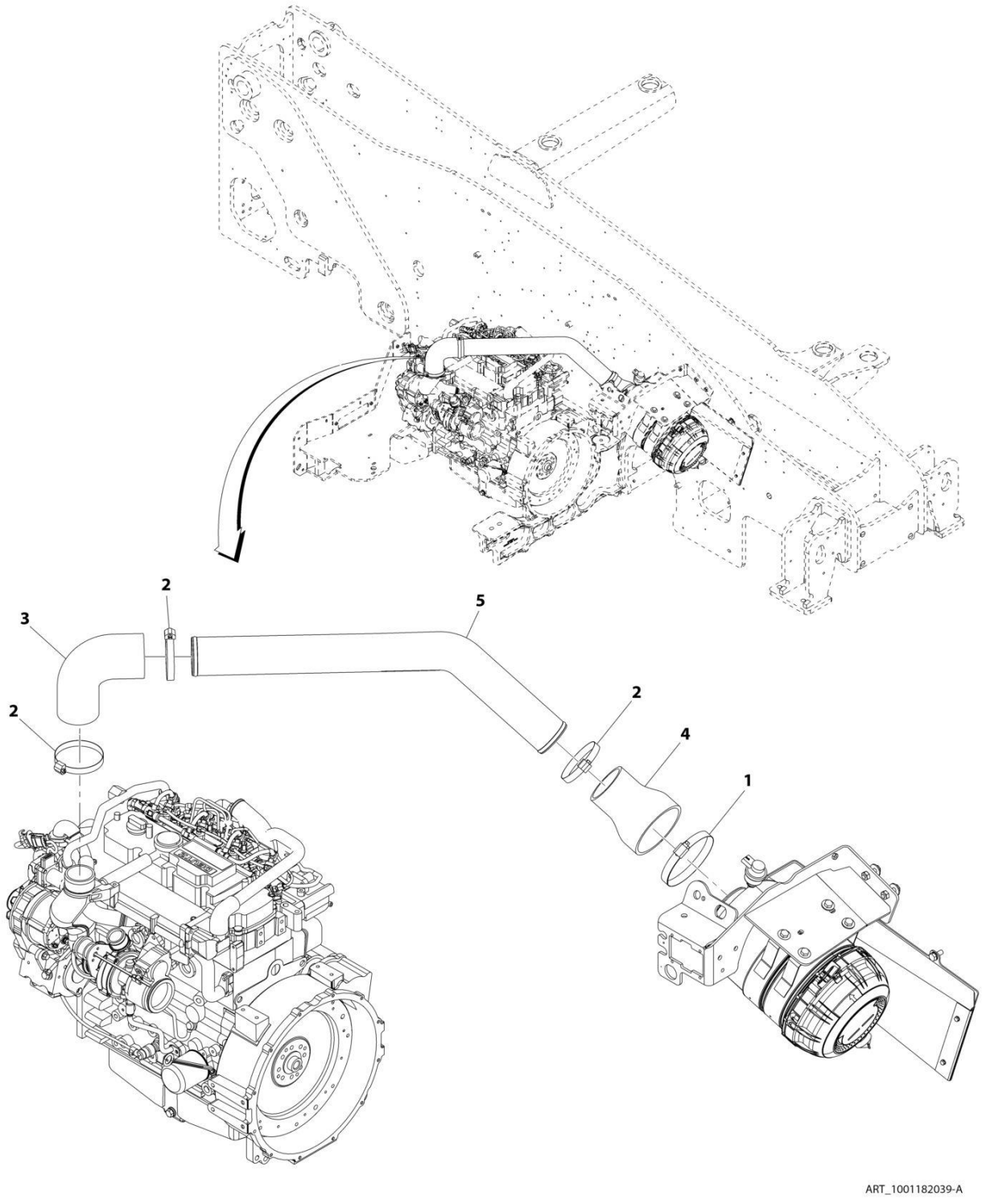


FIGURE 4-27. AIR INTAKE LINES INSTALLATION (90KW - LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182039	Ref	Air Intake Lines Installation (90KW - LS)	A
1	8405402	1	Clamp	
2	8410011	3	Clamp, Gear	
3	1001182881	1	Hose	
4	1001182885	1	Hose	
5	1001182888	1	Tube	

FIGURE 4-28. COOLING PACKAGE INSTALLATION (90KW - ULS)

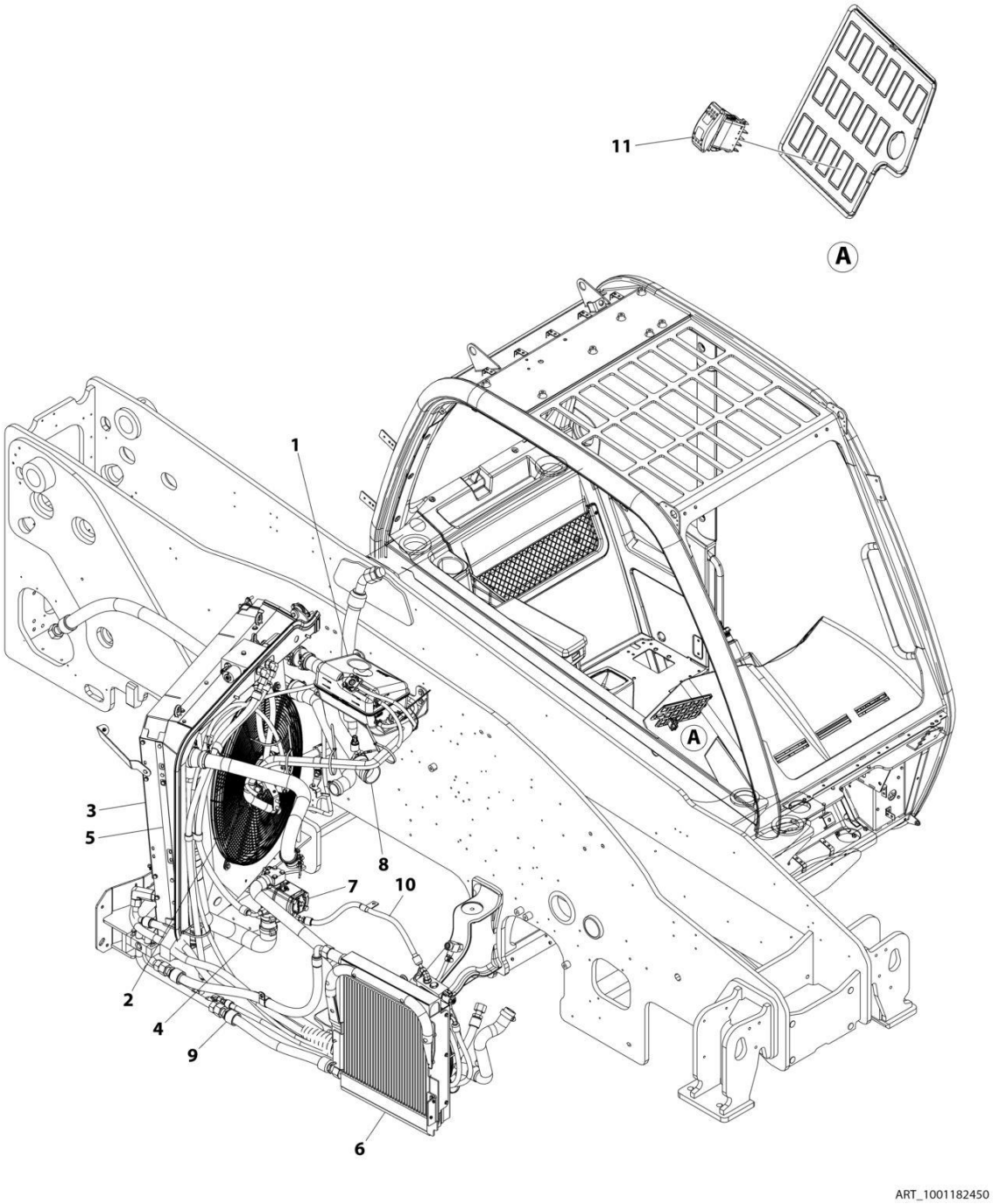


FIGURE 4-28. COOLING PACKAGE INSTALLATION (90KW - ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182450	Ref	COOLING PACKAGE INSTALLATION (90KW - ULS)	H
1	1001179864	Ref	Installation, Surge Tank (See Separate Breakdown in this Section)	
2	1001182112	Ref	Installation, Cooling Fan (See Separate Breakdown in this Section)	
3	1001184062	Ref	Installation, Cooler (90KW) (See Separate Breakdown in this Section)	
4	1001184120	Ref	Installation, Coolant Lines (ULS) (See Separate Breakdown in this Section)	
5	1001184955	Ref	Installation, Bulkhead (See Separate Breakdown in this Section)	
6	1001185337	Ref	Installation, Remote HOC (See Separate Breakdown in this Section)	
7	1001185864	Ref	Installation, Hydraulic Pump (90KW) (See Separate Breakdown in this Section)	
8	1001186849	Ref	Installation, CAC Lines (ULS) (See Separate Breakdown in this Section)	
9	1001183076	Ref	Installation, Cooler Lines (90KW) (See Separate Breakdown in this Section)	
10	1001187276	Ref	Installation, Fan Lines (90KW) (See Separate Breakdown in this Section)	
11	1001145204	1	Switch, Reversing Fan	

FIGURE 4-29. COOLING FAN INSTALLATION

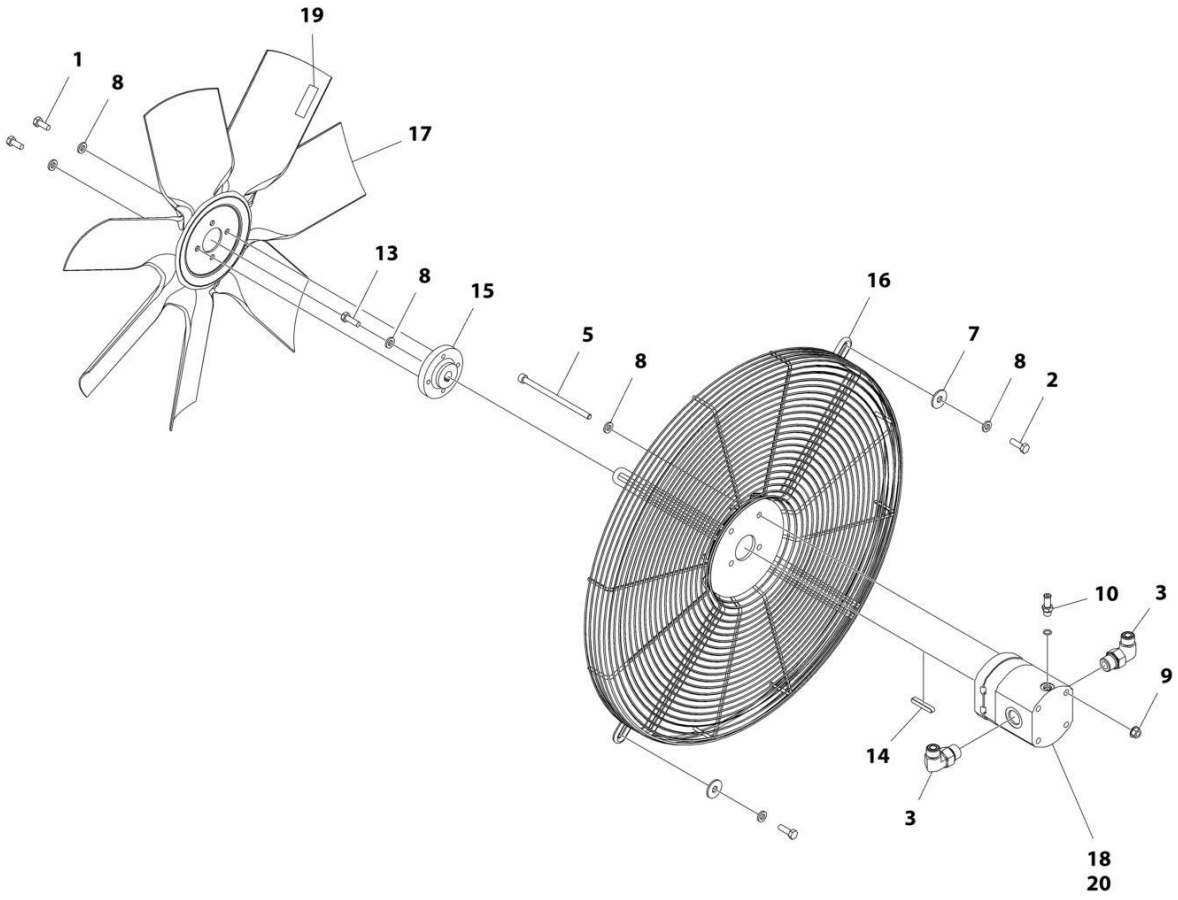


FIGURE 4-29. COOLING FAN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182112	Ref	COOLING FAN INSTALLATION	F
1	0770810	4	Bolt M8 x 20 Grade 10.9	
2	0760812	4	Bolt M8 x 25	
3	2130810	2	Fitting, 90 ORFS	
5	4031927	4	Bolt M8 x 140	
7	4812002	4	Washer M10	
8	5240800	13	Washer M8	
9	5260800	4	Nut M10	
10	1001093401	1	Fitting, Straight ORFS	
13	1001139034	1	Bolt	
14	1001152940	1	Key, Fan Hub	
15	1001191508	1	Adapter, Fan Hub	
16	1001182111	1	Shield, Fan	
17	1001182193	1	Fan, M610	
18	1001182949	1	Motor, Fan Drive (14.53CC) (See Separate Breakdown in this Section)	
19	1001222573	AR	Reflective Tape	
20	1001125466	AR	Compound, Locking	

FIGURE 4-30. FAN LINES INSTALLATION (90KW)

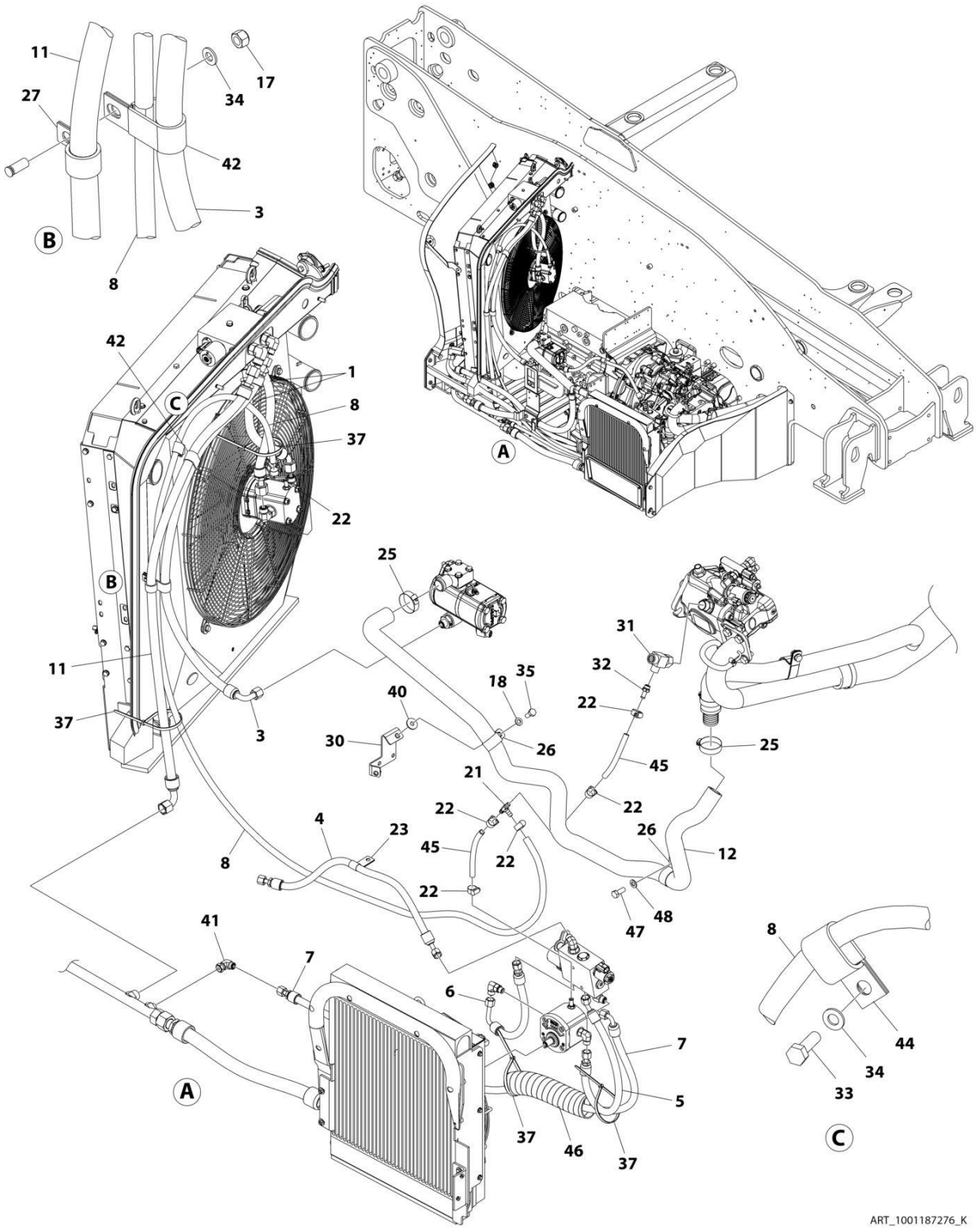


FIGURE 4-30. FAN LINES INSTALLATION (90KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187276	Ref	FAN LINES INSTALLATION (90KW)	K
1	1001187277	2	Hose	
3	1001203025	1	Hose, ORFS	
4	1001202922	1	Hose, ORFS	
5	1001229063	1	Hose, ORFS	
6	1001229068	1	Hose, ORFS	
7	1001228931	1	Hose, ORFS	
8	1001228929	1	Hose	
11	1001203178	1	Hose, ORFS	
12	1001199403	1	Hose	
17	3290805	1	Nut, Lock M8 x 1.25 Grade 8	
18	4812000	1	Washer M10	
21	1001003934	1	Fitting, Tee Barb	
22	8410013	6	Clamp, Gear	
22	1001152729	6	Clamp, Gear	
23	1001004143	1	Clip	
25	1001008657	2	Clamp, Hose	
26	1320239	2	Clamp, 1-3/4IN	
27	1001009384	1	Clip	
30	1001187712	1	Bracket	
31	1001033120	1	Fitting, Tee ORFS	
32	1001168030	1	Barb, Hose	
33	0760812	1	Bolt M8 x 25	
34	4811900	2	Washer M8	
35	0701012	1	Bolt M10 x 25	
37	1062255	4	Tie-Strap	
40	4812002	1	Washer M10	
41	2172106	1	Fitting, 90 ORFS	
42	1001008720	2	Clip	
44	1001008626	1	Clip	
45	1001228930	2	Hose	
46	1001268889	1	Sleeve, Hose Wrap	
47	0701214	1	Bolt M12 x 30	
48	4812100	1	Washer M12	

FIGURE 4-31. FAN DRIVE MOTOR (NO RHOC)

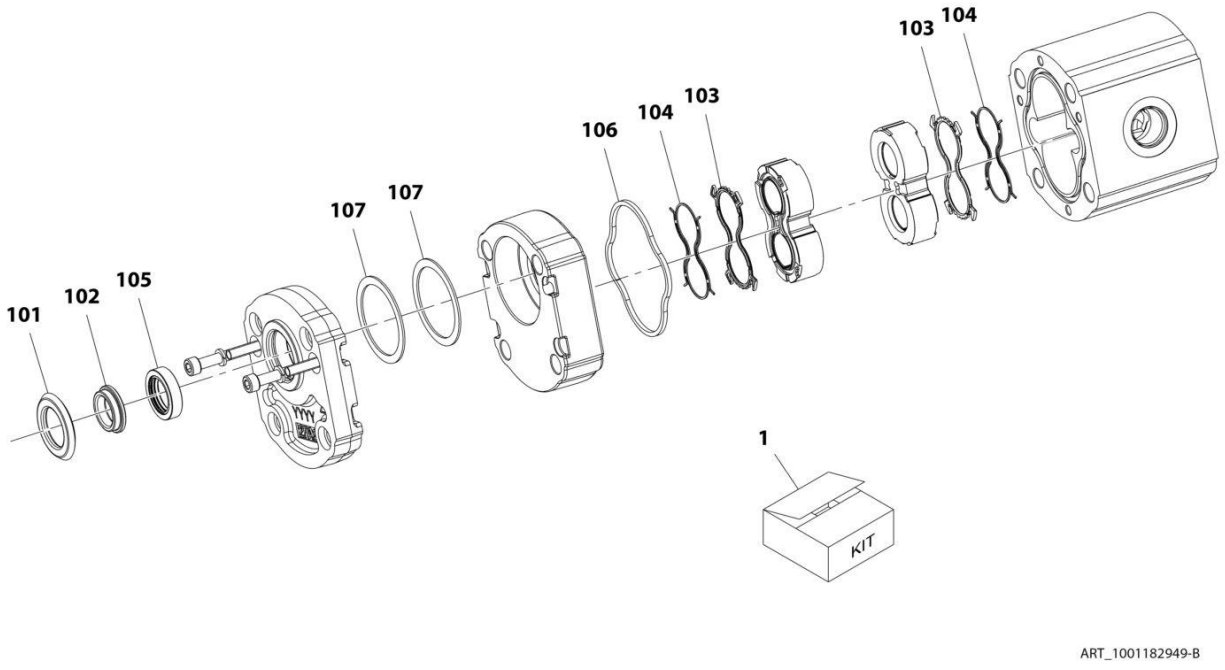


FIGURE 4-31. FAN DRIVE MOTOR (NO RHOC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182949	Ref	Fan Drive Motor (No RHOC)	B
1	70027008	1	Kit, Seal	
101	Kit	1	Seal	
102	Kit	1	Holder Bushing	
103	Kit	2	Seal	
104	Kit	2	Ring, Anti-Extrusion	
105	Kit	1	Seal, Shaft	
106	Kit	1	Seal	
107	Kit	2	Seal	

FIGURE 4-32. FUEL LINES INSTALLATION (LS - RHOC)

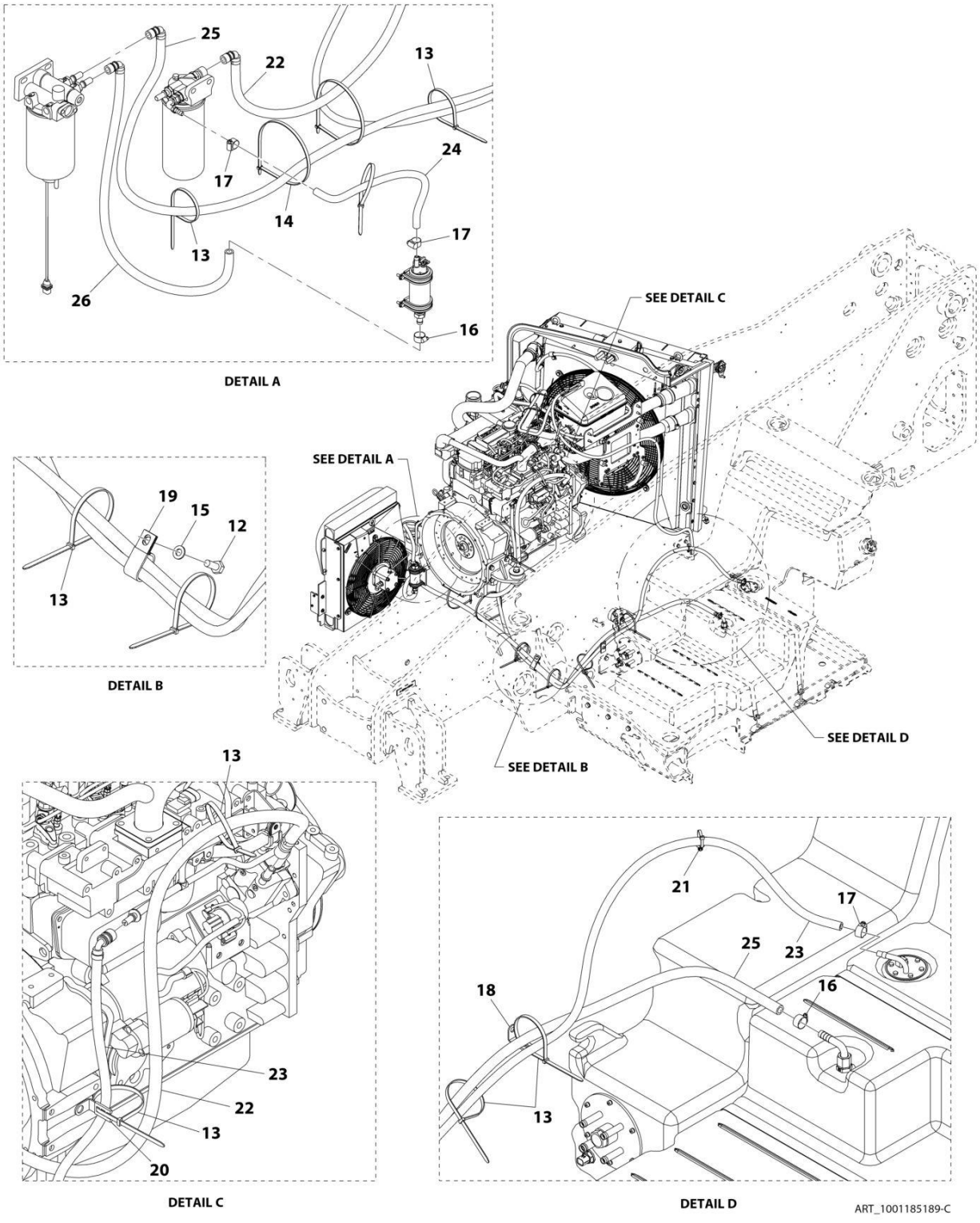
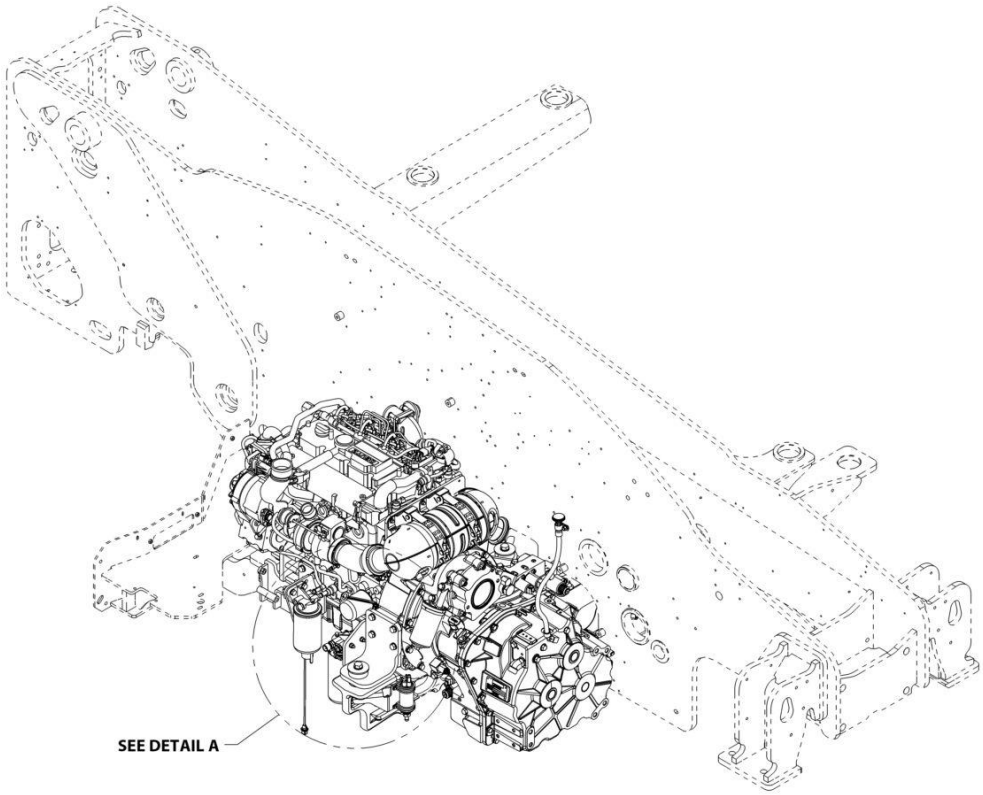
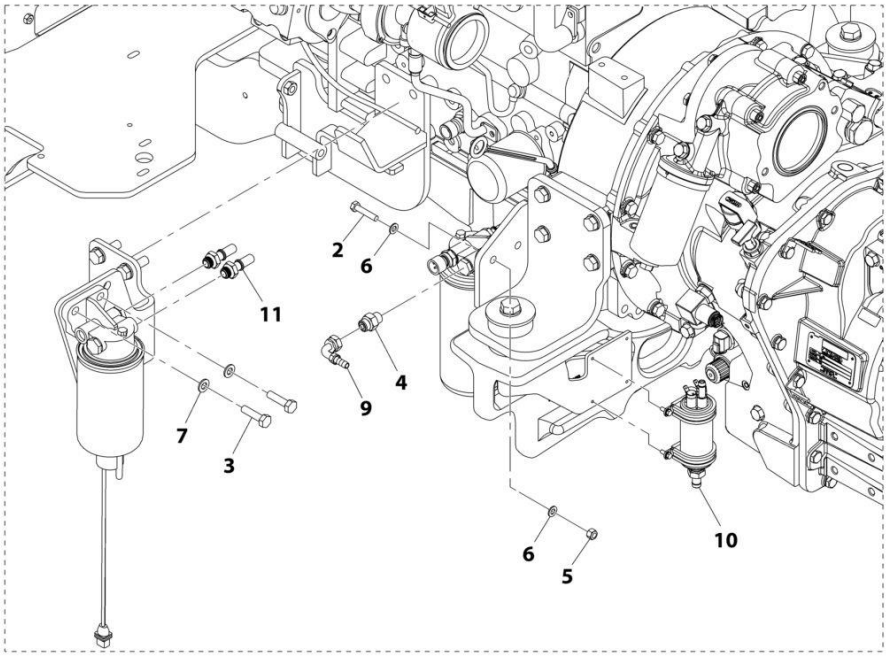


FIGURE 4-32. FUEL LINES INSTALLATION (LS - RHOC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185189	Ref	Fuel Lines Installation (LS - RHOC)	C
12	0761012	1	Bolt, M10X25	
13	1062255	AR	Strap, Tie	
14	4240127	AR	Strap, Tie	
15	4812000	1	Washer, M10	
16	8405006	2	Clamp, Gear	
17	8410013	3	Clamp, Gear	
18	1001003305	1	Clip	
19	1001026104	1	Clip	
20	1001130198	1	Clip, 90	
21	1001146588	1	Strap, Fir Tree Cable Tie	
22	1001204841	1	Hose, 0.5IN Fuel	
23	1001204842	1	Hose, 0.38IN Fuel	
24	1001205041	1	Hose, 0.38IN Fuel	
25	1001216854	1	Hose, 0.5IN Fuel	
26	1001216855	1	Hose, 0.5IN Fuel	

FIGURE 4-33. FUEL FILTER & PUMP INSTALLATION





DETAIL A

ART_1001181951-F

FIGURE 4-33. FUEL FILTER & PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181951	Ref	FUEL FILTER INSTALLATION	F
2	0700816	2	Bolt M8X40	
3	0701016	2	Bolt M10X40	
4	2144606	1	Fitting, Straight ORFS	
5	3290805	2	Nut, Lock M8	
6	4811900	4	Washer M8	
7	4812000	2	Washer M10	
9	1001133793	1	Fitting, 90 ORFS	
10	1001165789	1	Remote Fuel Pump Installation (See Separate Breakdown in this Section)	
11	1001133690	2	Coupling, M16X1.5	

FIGURE 4-34. PRIMARY FUEL FILTER INSTALLATION (90KW - LS)

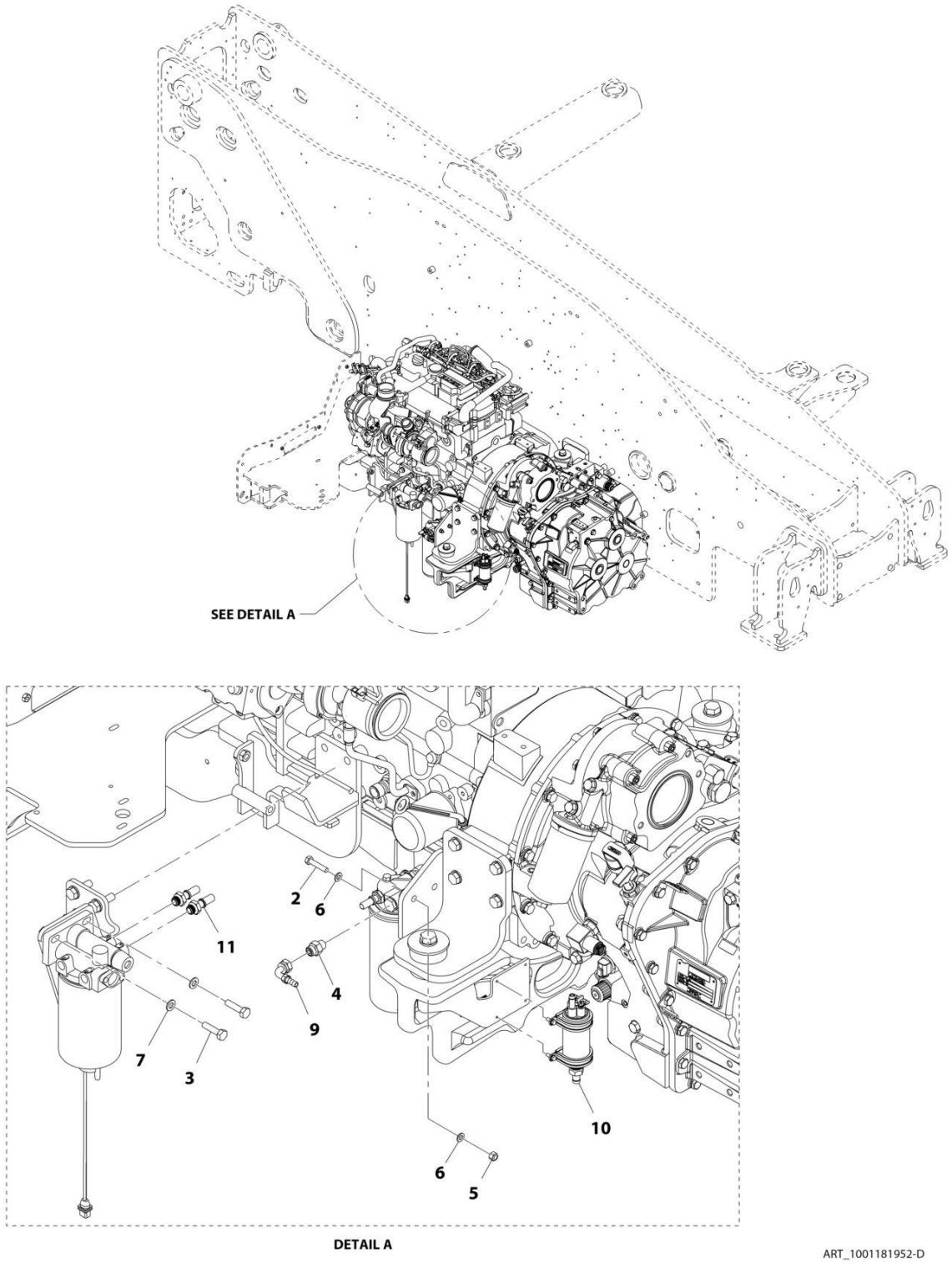
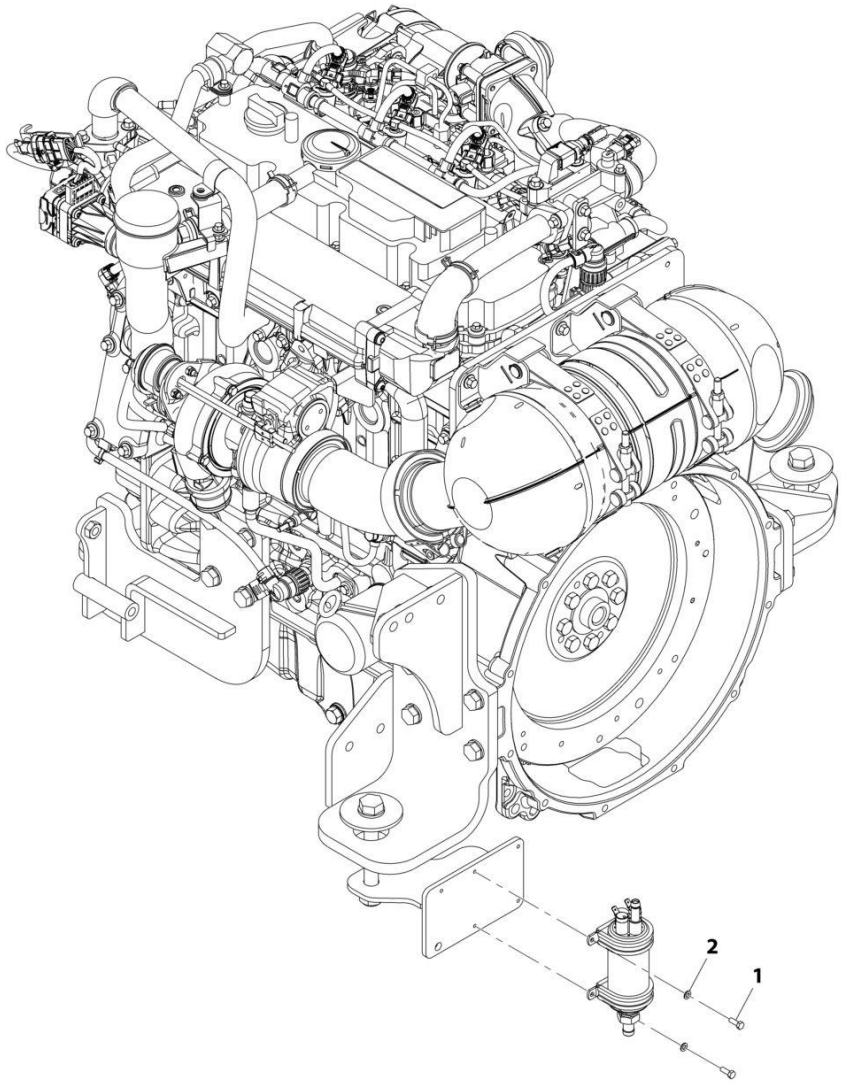


FIGURE 4-34. PRIMARY FUEL FILTER INSTALLATION (90KW - LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181952	Ref	Primary Fuel Filter Installation (90KW - LS)	D
2	0700816	2	Bolt, M8X40	
3	0701016	2	Bolt, M10X40	
4	2144606	1	Fitting, Straight ORFS	
5	3290805	2	Nut, Lock M8X1.25 Grade 8	
6	4811900	4	Washer, M8	
7	4812000	2	Washer, M10	
9	1001133793	1	Fitting, 90 ORFS	
10	1001165789	Ref	Installation, Remote Fuel Pump (74.4KW) (See Separate Breakdown in this Section)	
11	1001133690	2	Coupling, M16X1.5	

FIGURE 4-35. REMOTE FUEL PUMP INSTALLATION (74.4KW)



ART_1001165789-G

FIGURE 4-35. REMOTE FUEL PUMP INSTALLATION (74.4KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165789	Ref	Remote Fuel Pump Installation (74.4KW)	G
1	0760507	4	Bolt, M5X14	
2	4811600	4	Washer, M5	

FIGURE 4-36. COOLER INSTALLATION (90KW)

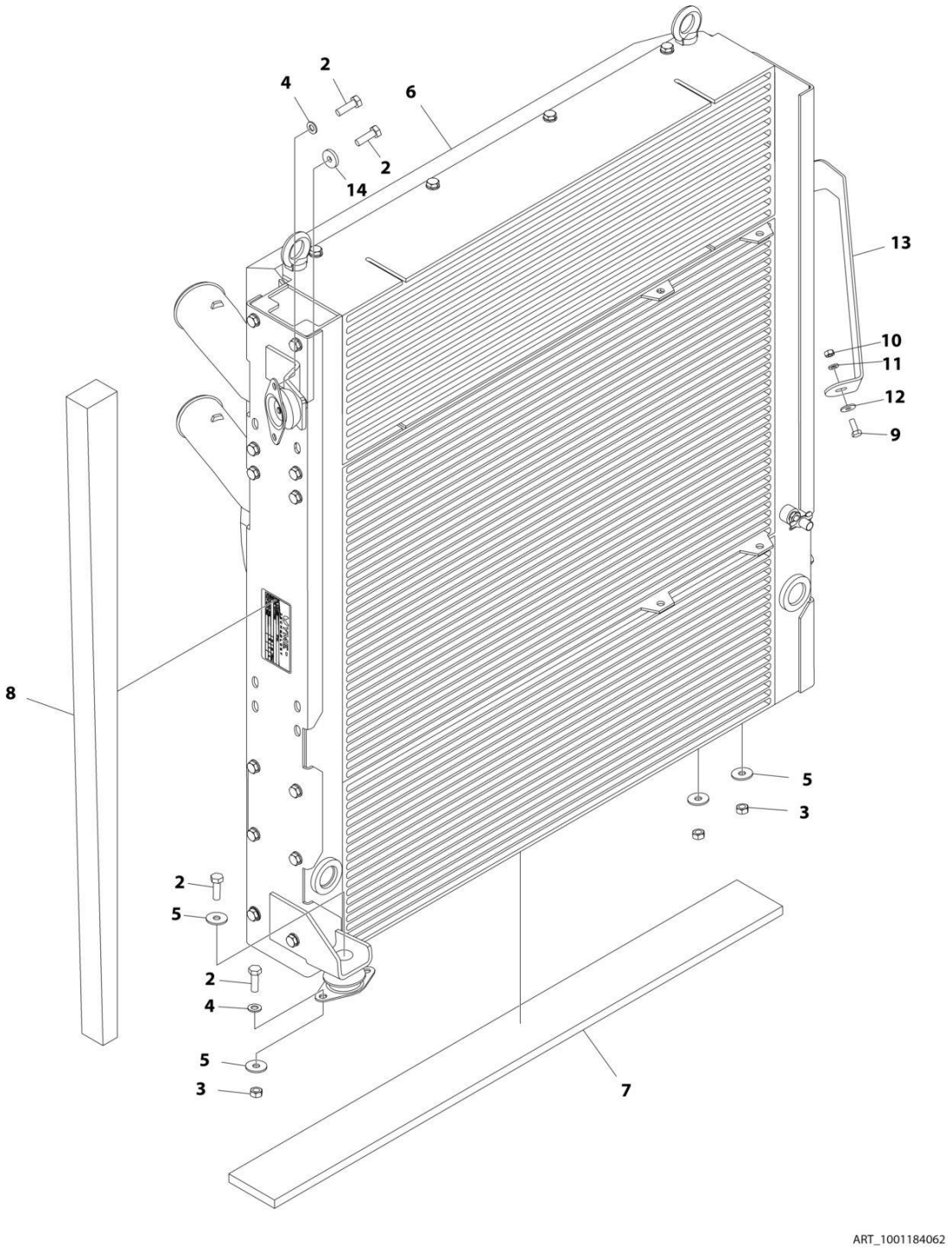


FIGURE 4-36. COOLER INSTALLATION (90KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184062	Ref	COOLER INSTALLATION (90KW)	E
2	0760812	9	Bolt M8 x 25	
3	3290801	4	Nut M8 x 1.25 Grade 8	
4	4811900	6	Washer M8	
5	4811902	6	Washer M8	
6	1001175320	1	Package, Radiator Cooling (90KW) (See Separate Breakdown in this Section)	
7	1001182994	1	Seal	
8	1001182995	1	Seal	
9	0760608	1	Bolt M6 x 16	
10	3290601	1	Nut M6 x 1 Grade 8	
11	4811700	1	Washer M6	
12	4811702	1	Washer M6	
13	1001202120	1	Plate	
14	4740572	1	Washer M10	

FIGURE 4-37. RADIATOR COOLING PACKAGE (90KW)

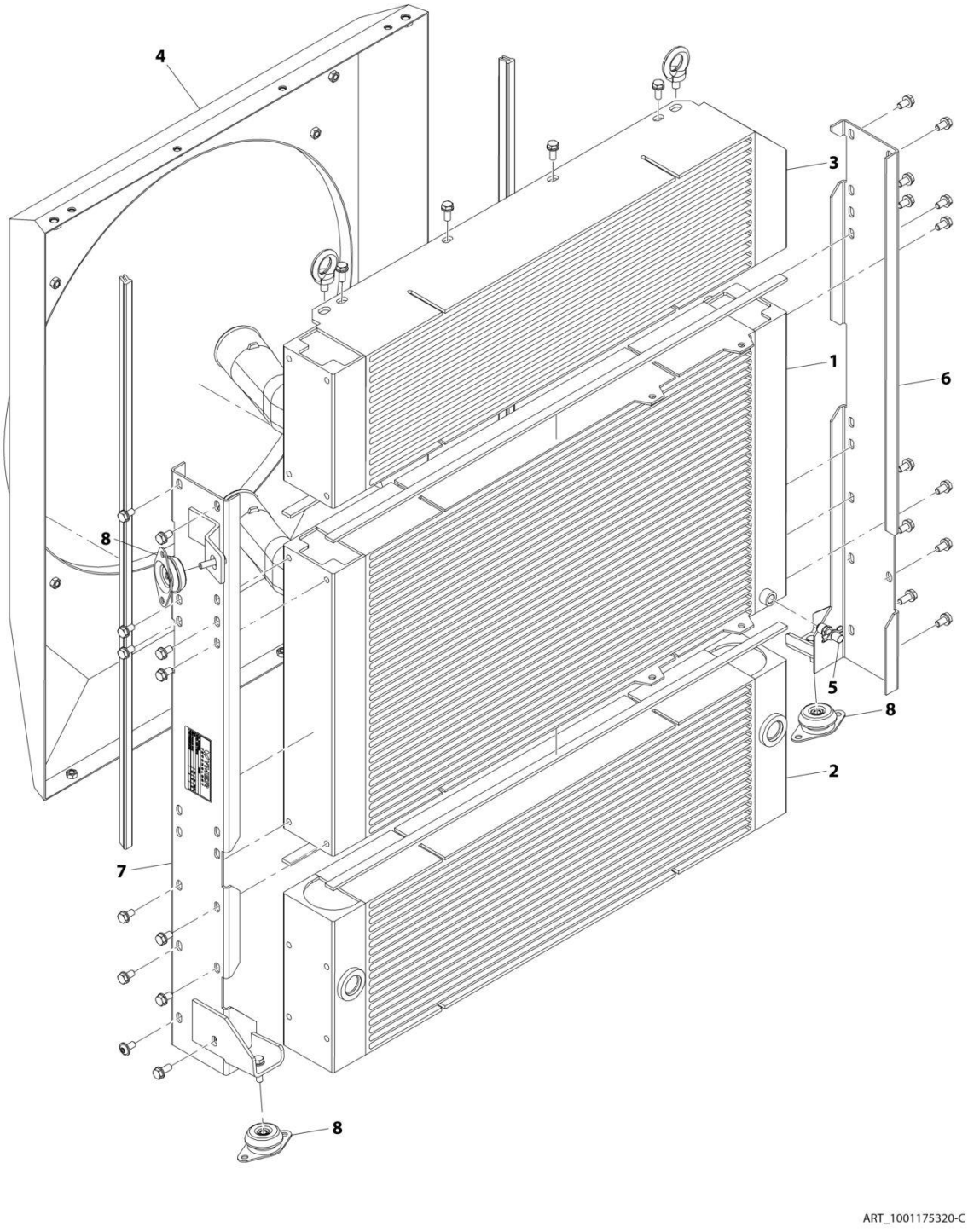


FIGURE 4-37. RADIATOR COOLING PACKAGE (90KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175320	Ref	Radiator Cooling Package (90KW)	C
1	70027199	1	Cooler, Water	
2	70027200	1	Cooler, Oil	
3	70027201	1	Cooler, Air	
4	70027202	1	Shroud	
5	70025644	1	Valve, Drain	
6	70027203	1	Bracket, Mounting	
7	70027204	1	Bracket, Mounting	
8	1001184609	1	Isolator, Mount	

FIGURE 4-38. REMOTE HOC INSTALLATION

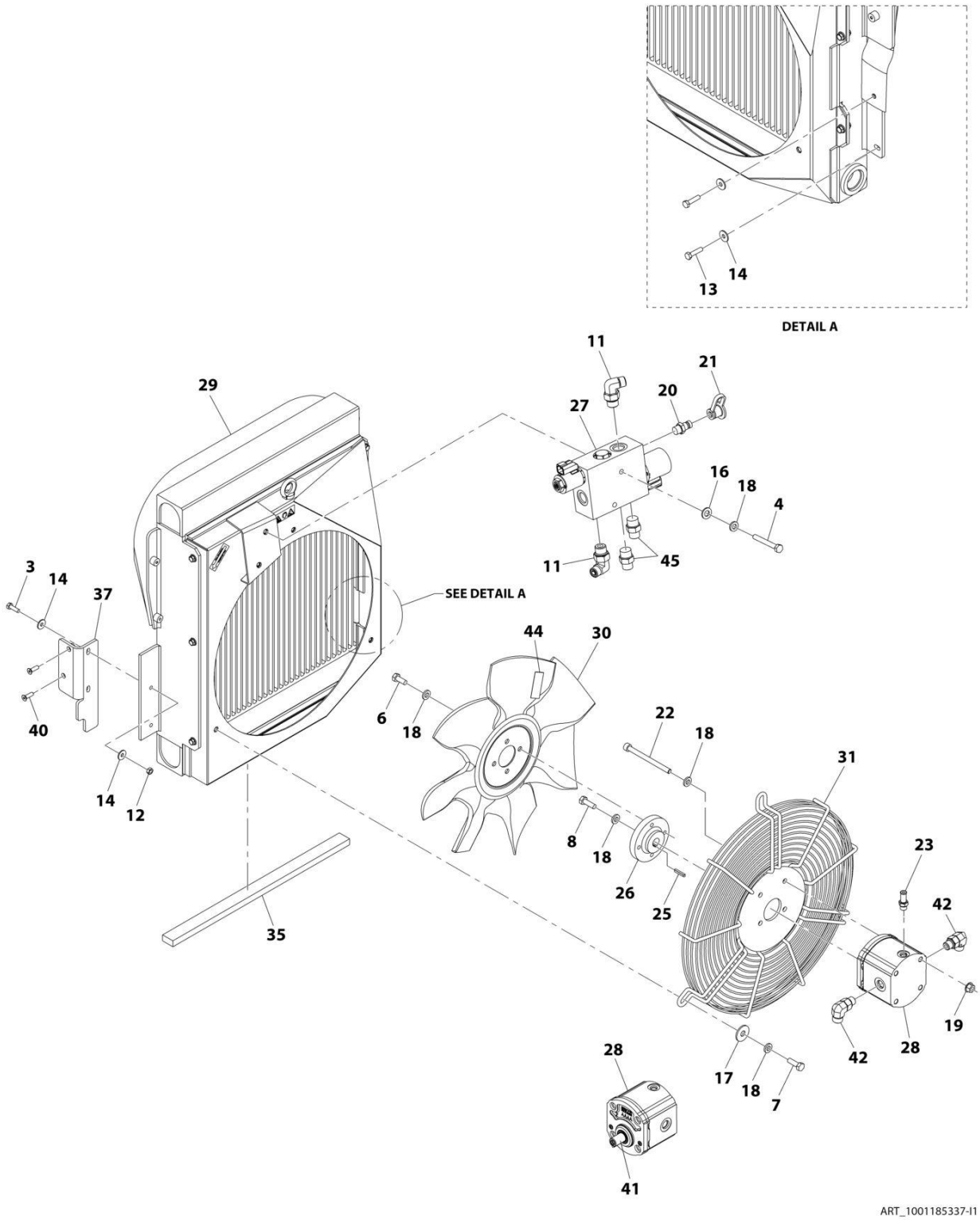


FIGURE 4-38. REMOTE HOC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185337	Ref	Remote HOC Installation	I
3	0700610	2	Bolt, M6X20	
4	0700821	2	Bolt, M8X65	
6	0770810	4	Bolt, M8X20 Grade 10.9	
7	0760812	3	Bolt, M8X25	
8	1001139034	1	Bolt	
11	2130608	2	Fitting, 90 ORFS	
12	3290601	2	Nut, M6X1 Grade 8	
13	0700612	2	Bolt, M6X25	
14	4811702	6	Washer, M6	
16	4812000	2	Washer, M10	
17	4812002	3	Washer, M10	
18	5240800	14	Washer, M8	
19	5260800	4	Nut, M8	
20	1001003590	1	Fitting, Straight	
21	1001008761	1	Cap, Dust	
22	1001093277	4	Bolt, M8X100	
23	1001093401	1	Fitting, Straight ORFS	
25	1001152940	1	Key, Fan Hub	
26	1001191508	1	Adapter, Fan Hub	
27	1001182213	1	Valve, Fan Motor Control (See Separate Breakdown in Hydraulic Components Section)	
28	1001182950	1	Motor, Fan Drive (7.29CC) (See Separate Breakdown in this Section)	
29	1001183956	1	Cooler, Oil	
30	1001185210	1	Fan	
31	1001185282	1	Shield, Fan	
35	1001219810	1	Seal	
37	1001197430	1	Bracket	
40	0630576	2	Screw, M6X20	
41	1001125466	AR	Compound, Locking	
42	2130606	2	Fitting, 90 ORFS	
44	1001222573	AR	Reflective Tape	
45	2110608	2	Fitting, Straight ORFS	

FIGURE 4-39. FAN DRIVE MOTOR (RHOC)

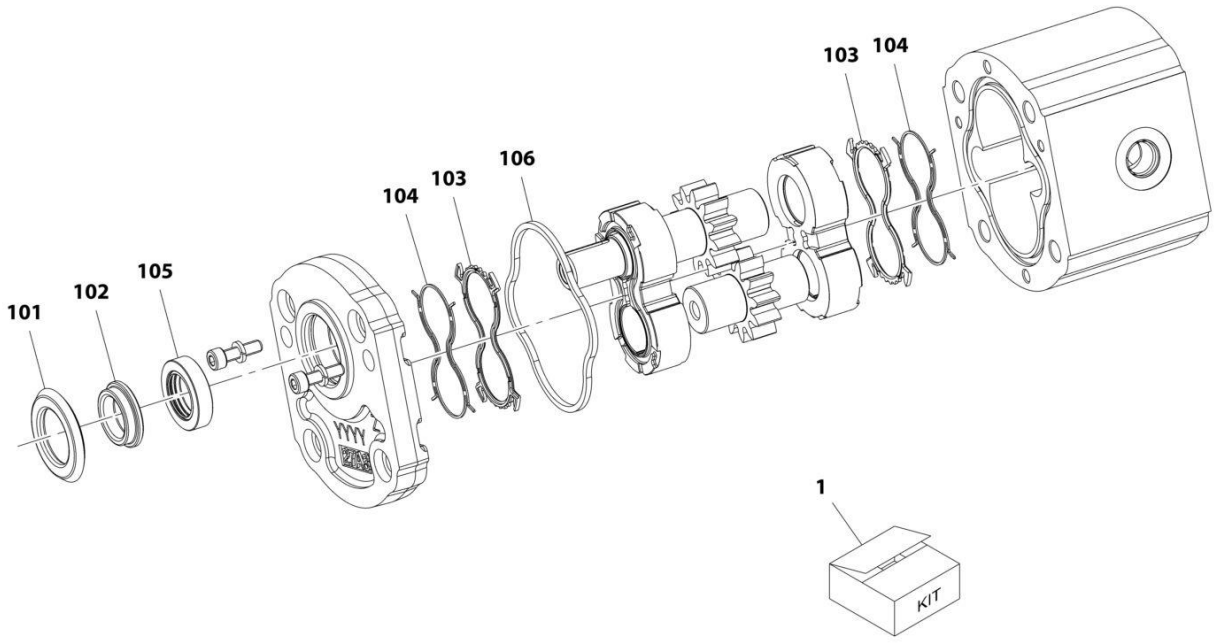


FIGURE 4-39. FAN DRIVE MOTOR (RHOC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182950	Ref	Fan Drive Motor (RHOC)	B
1	70027037	1	Kit, Seal	
101	N.S.S.	1	Seal, Axial	
102	N.S.S.	1	Bush Holder	
103	N.S.S.	2	Seal	
104	N.S.S.	2	Ring	
105	N.S.S.	1	Seal	
106	N.S.S.	1	Seal	

FIGURE 4-40. COOLANT LINES INSTALLATION (ULS)

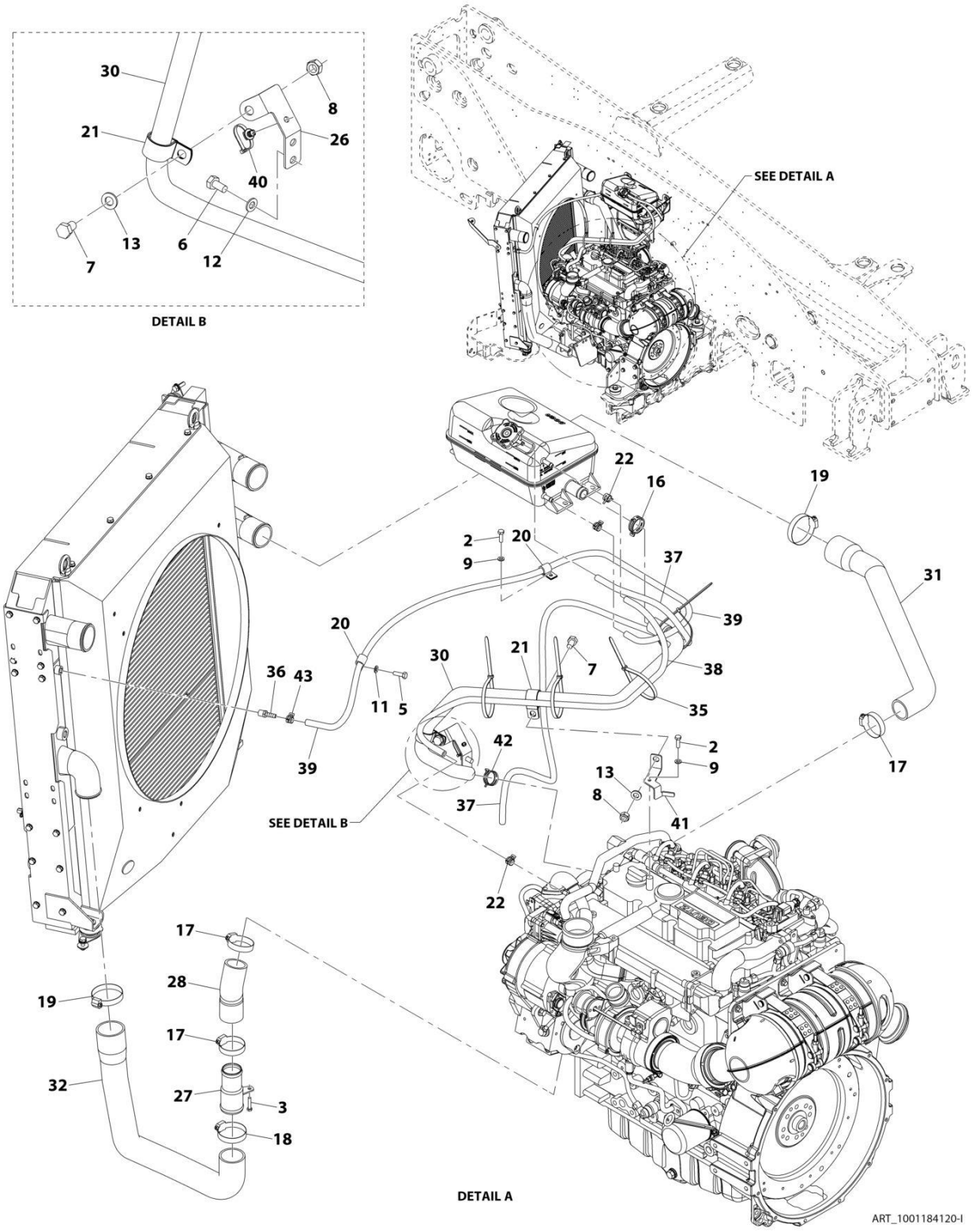


FIGURE 4-40. COOLANT LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184120	Ref	Coolant Lines Installation (ULS)	I
2	0700610	2	Bolt, M6X20	
3	0700614	1	Bolt, M6X30	
5	0760812	1	Bolt, M8X25	
6	0761010	2	Bolt, M10X20	
7	0761210	2	Bolt, M12X20	
8	3291201	2	Nut, M12X1.75 Grade 8	
9	4811700	2	Washer, M6	
11	4811900	1	Washer, M8	
12	4812000	2	Washer, M10	
13	4812100	2	Washer, M12	
16	1001212949	1	Clamp	
17	8405104	3	Clamp	
18	8405201	1	Clamp	
19	8405202	2	Clamp, Gear	
20	1001008580	2	Clip	
21	8406302	2	Clamp, Hose	
22	1001195443	3	Clamp	
26	1001168727	1	Bracket	
27	1001189884	1	Pipe	
28	1001217333	1	Hose	
30	1001184099	1	Hose	
31	1001184129	1	Hose	
32	1001184128	1	Hose	
35	1062255	AR	Strap, Tie	
36	8420231	1	Adapter	
37	1001203009	1	Hose	
38	1001203027	1	Hose	
39	1001203028	1	Hose	
40	1001146588	1	Strap	
41	1001205551	1	Bracket	
42	1001212948	1	Clamp	
43	1001140296	1	Clamp	

FIGURE 4-41. COOLER LINES INSTALLATION (90KW)

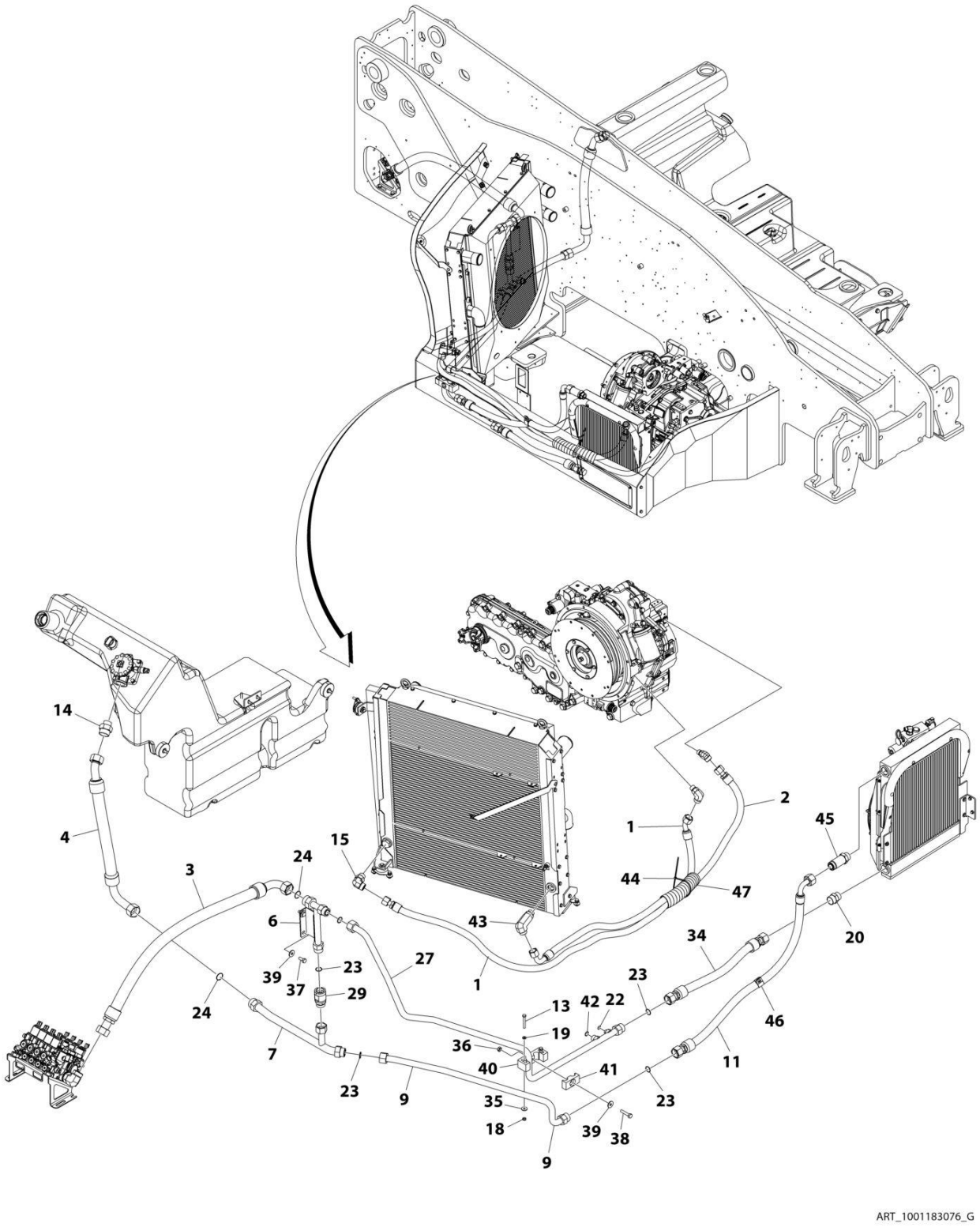


FIGURE 4-41. COOLER LINES INSTALLATION (90KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183076	Ref	COOLER LINES INSTALLATION (90KW)	G
1	1001203173	1	Hose, ORFS	
2	1001229093	1	Hose, ORFS	
3	1001202249	1	Hose, ORFS	
4	1001203039	1	Hose, ORFS	
6	1001202445	1	Pipe, ORFS	
7	1001203014	1	Pipe, ORFS	
9	1001202329	1	Pipe, ORFS	
11	1001265061	1	Hose, ORFS	
13	0700820	2	Bolt, M8X60	
14	2112016	1	Fitting, Straight ORFS	
15	2131212	1	Fitting, 90 ORFS	
18	3290801	2	Nut, M8X1.25 Grade 8	
19	4811900	2	Washer, M8	
20	2111616	1	Fitting, Straight ORFS	
22	1001008804	1	Seal	
23	1001010240	5	Seal, O-Ring ORFS	
24	1001010938	2	Seal, O-Ring ORFS	
27	1001202328	1	Pipe, ORFS	
29	1001185871	1	Check, Valve ORFS	
34	1001202376	1	Hose, ORFS	
35	4811902	2	Washer, M8	
36	3291001	1	Nut, M10X1.5 Grade 8	
37	0701012	2	Bolt, M10X25	
38	0701018	1	Bolt, M10X50	
39	4812002	3	Washer, M10	
40	1001202653	1	Clamp, Pipes Female	
41	1001202654	1	Clamp, Pipes Male	
42	1001008922	1	Seal	
43	2170212	1	Fitting, 90 ORFS	
44	1062255	1	Strap, Tie	
45	2170116	1	Fitting, Straight ORFS	
46	8406302	1	Clamp	
47	1001268889	1	Sleeve, Hose Wrap	

FIGURE 4-42. CAC LINES INSTALLATION (ULS)

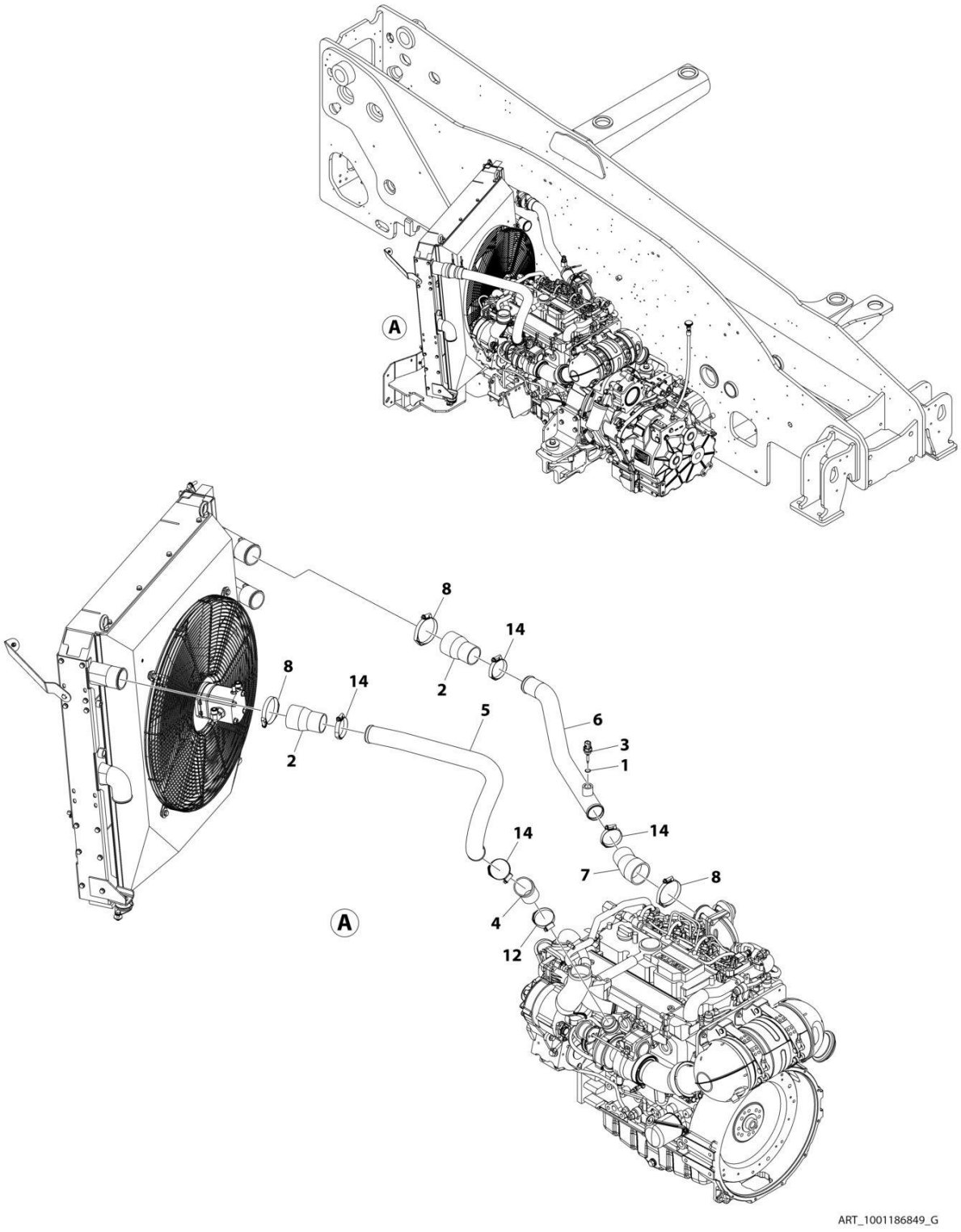


FIGURE 4-42. CAC LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186849	Ref	CAC LINES INSTALLATION (ULS)	G
1	1001009163	1	O-Ring	
2	1001226096	2	Coupling, Reducer	
3	1001128478	1	Sensor, Temperature	
4	1001197653	1	Coupling, Reducer	
5	1001197641	1	Pipe	
6	1001197638	1	Pipe	
7	1001197654	1	Coupling, Reducer	
8	1001215022	3	Clamp	
12	1001215024	1	Clamp	
14	1001215023	4	Clamp	

FIGURE 4-43. SURGE TANK INSTALLATION

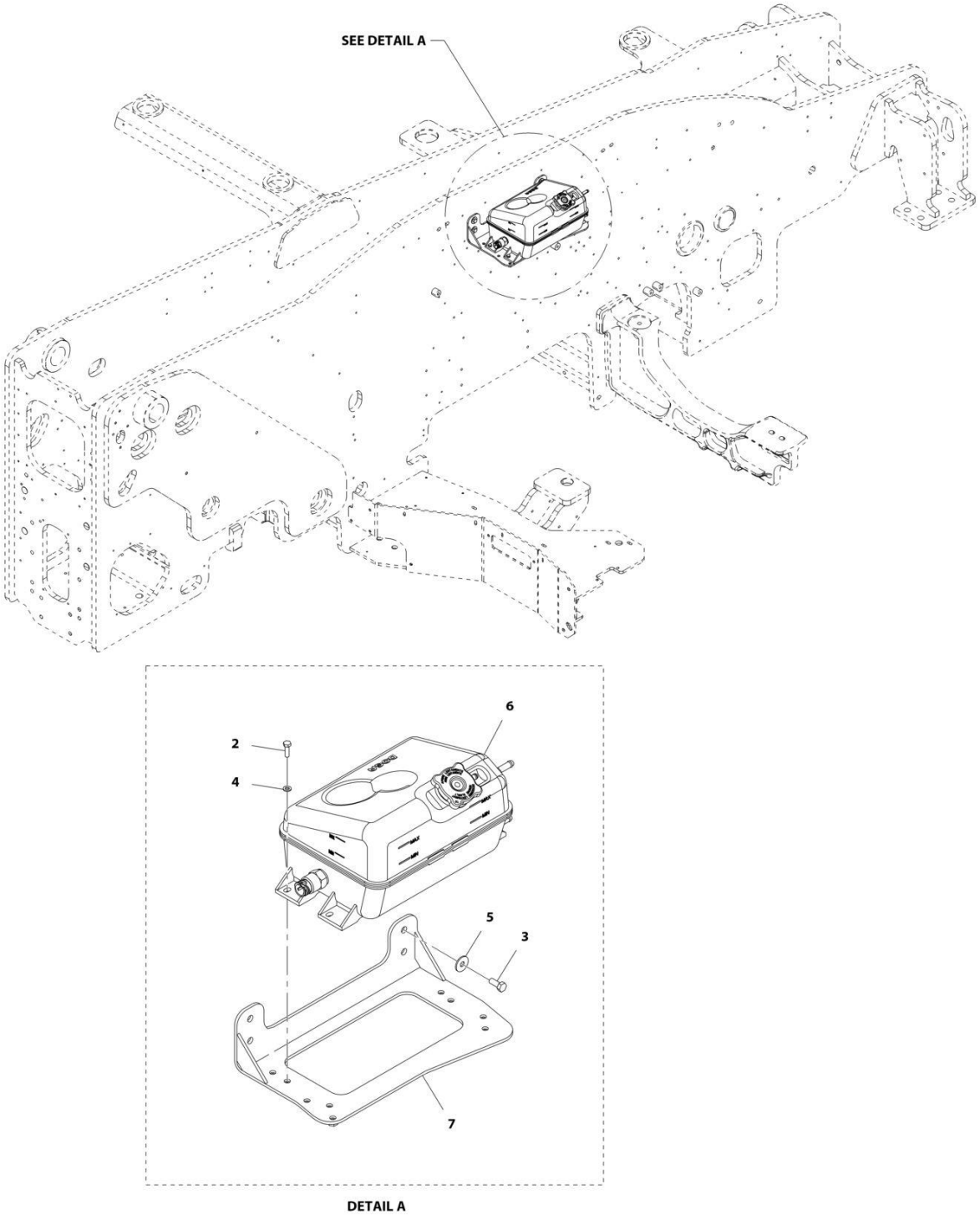


FIGURE 4-43. SURGE TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179864	Ref	Surge Tank Installation	C
2	0700610	4	Bolt, M6X20	
3	0760810	4	Bolt, M8X20	
4	4811700	4	Washer, M6	
5	4811902	4	Washer, M8	
6	1001149375	1	Tank, Expansion (See Separate Breakdown in this Section)	
7	1001188407	1	Bracket	

FIGURE 4-44. TANK EXPANSION

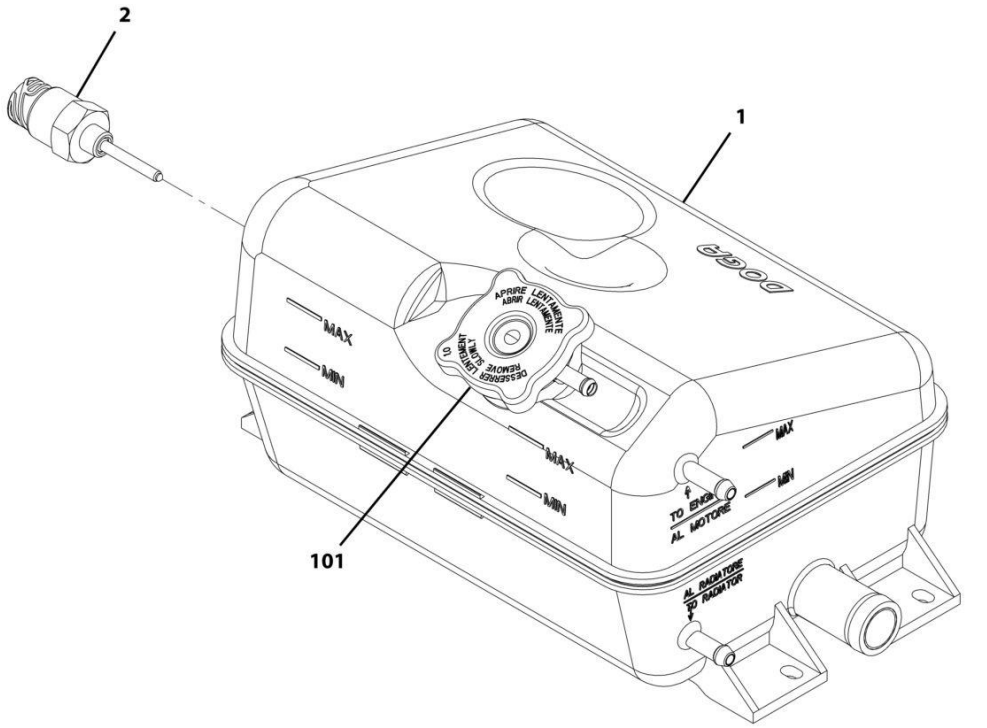


FIGURE 4-44. TANK EXPANSION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001149375	Ref	EXPANSION TANK	B
1	1001149308	1	Tank, Expansion	
2	1001149376	1	Sensor, Coolant Level	
101	70026997	1	Cap	

FIGURE 4-45. BULKHEAD INSTALLATION

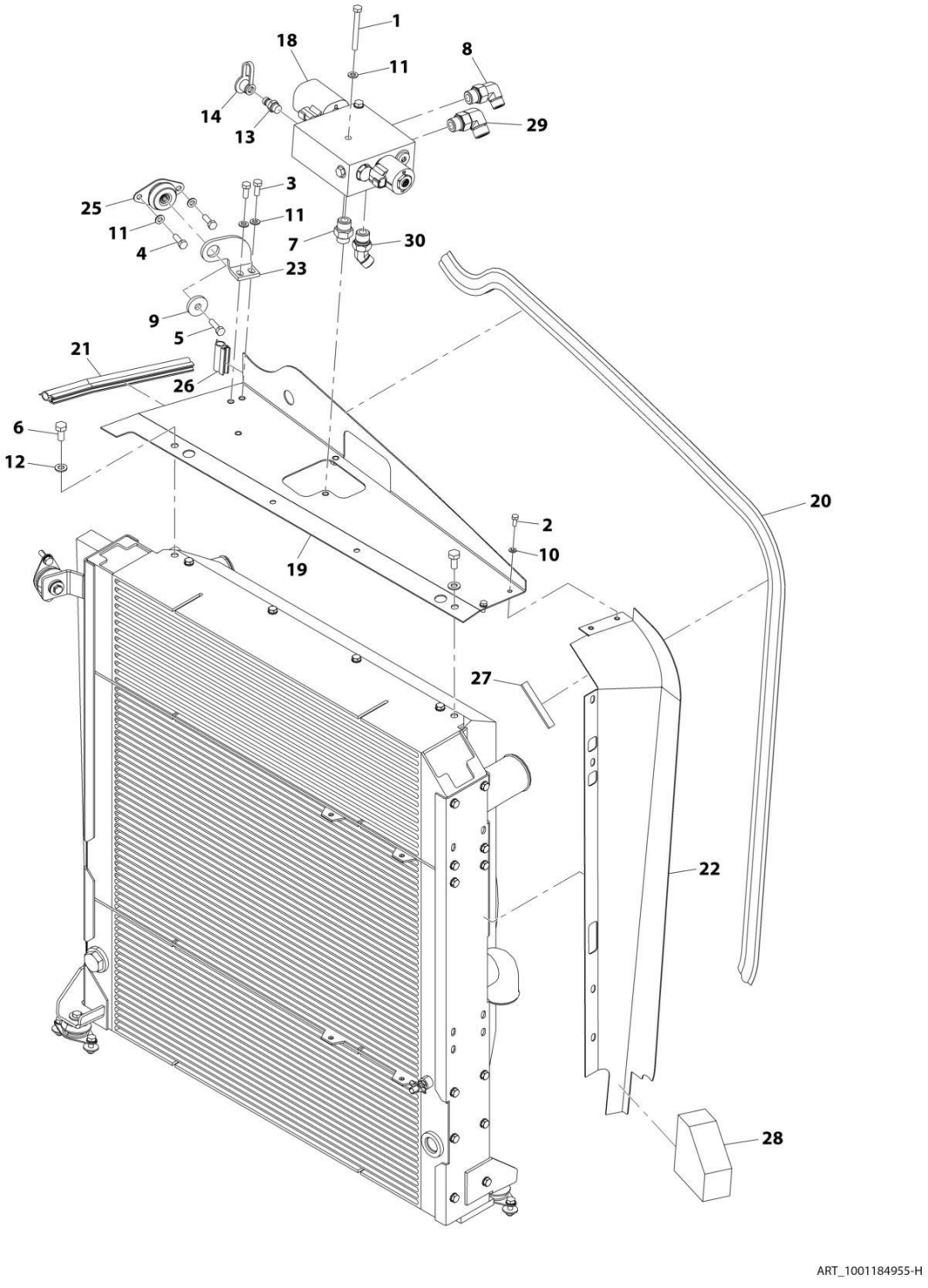


FIGURE 4-45. BULKHEAD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184955	Ref	Bulkhead Installation	H
1	0700823	2	Bolt, M8X75	
2	0760607	2	Bolt, M6X14	
3	0760810	2	Bolt, M8X20	
4	0760812	2	Bolt, M8X25	
5	0760814	1	Bolt, M8X30	
6	0761011	2	Bolt, M10X22	
7	2110810	1	Fitting, Straight ORFS	
8	2130810	1	Fitting, 90 ORFS	
9	4740572	1	Washer, M10	
10	4811700	2	Washer, M6	
11	4811900	6	Washer, M8	
12	4812000	2	Washer, M10	
13	1001003590	1	Fitting, Straight	
14	1001008761	1	Cap	
18	1001200908	1	Valve, Fan Motor Control	
19	1001230411	1	Panel	
20	1001182452	1	Seal	
21	1001182453	1	Seal	
22	1001183958	1	Panel	
23	1001184445	1	Bracket	
25	1001184609	1	Mount	
26	1001184800	1	Seal	
27	1001216867	1	Seal, Bulkhead	
28	1001186370	1	Seal	
29	2131010	1	Fitting, 90 ORFS	
30	2150810	1	Fitting, 45 ORFS	

FIGURE 4-46. HYDRAULIC PUMP INSTALLATION (90KW)

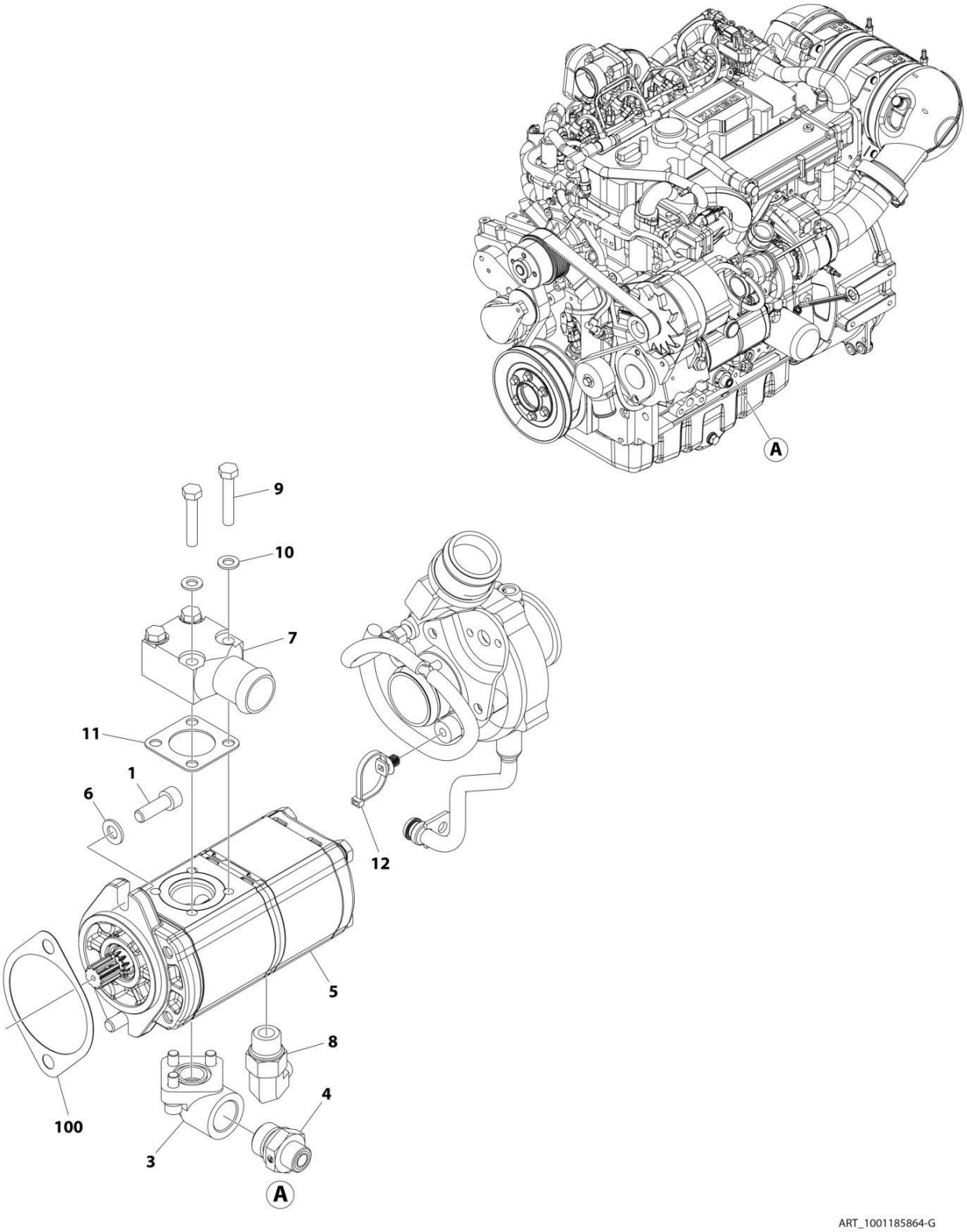


FIGURE 4-46. HYDRAULIC PUMP INSTALLATION (90KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185864	Ref	Hydraulic Pump Installation (90KW)	G
1	4032010	2	Bolt, M10X30	
3	1001135245	1	Elbow, Adapter	
4	1001192411	1	Fitting, Straight ORFS	
5	1001182935	1	Pump	
6	4812000	2	Washer, M10	
7	1001202643	1	Fitting	
8	2130610	1	Fitting, 90 ORFS	
9	0700817	4	Bolt, M8X45	
10	4811900	4	Washer, M8	
11	1001203012	1	Seal	
12	1001146588	1	Strap	
100	70024965	1	Gasket, Fan Pump (Supplied with Engine)	

FIGURE 4-47. HEATER LINES INSTALLATION (LS)

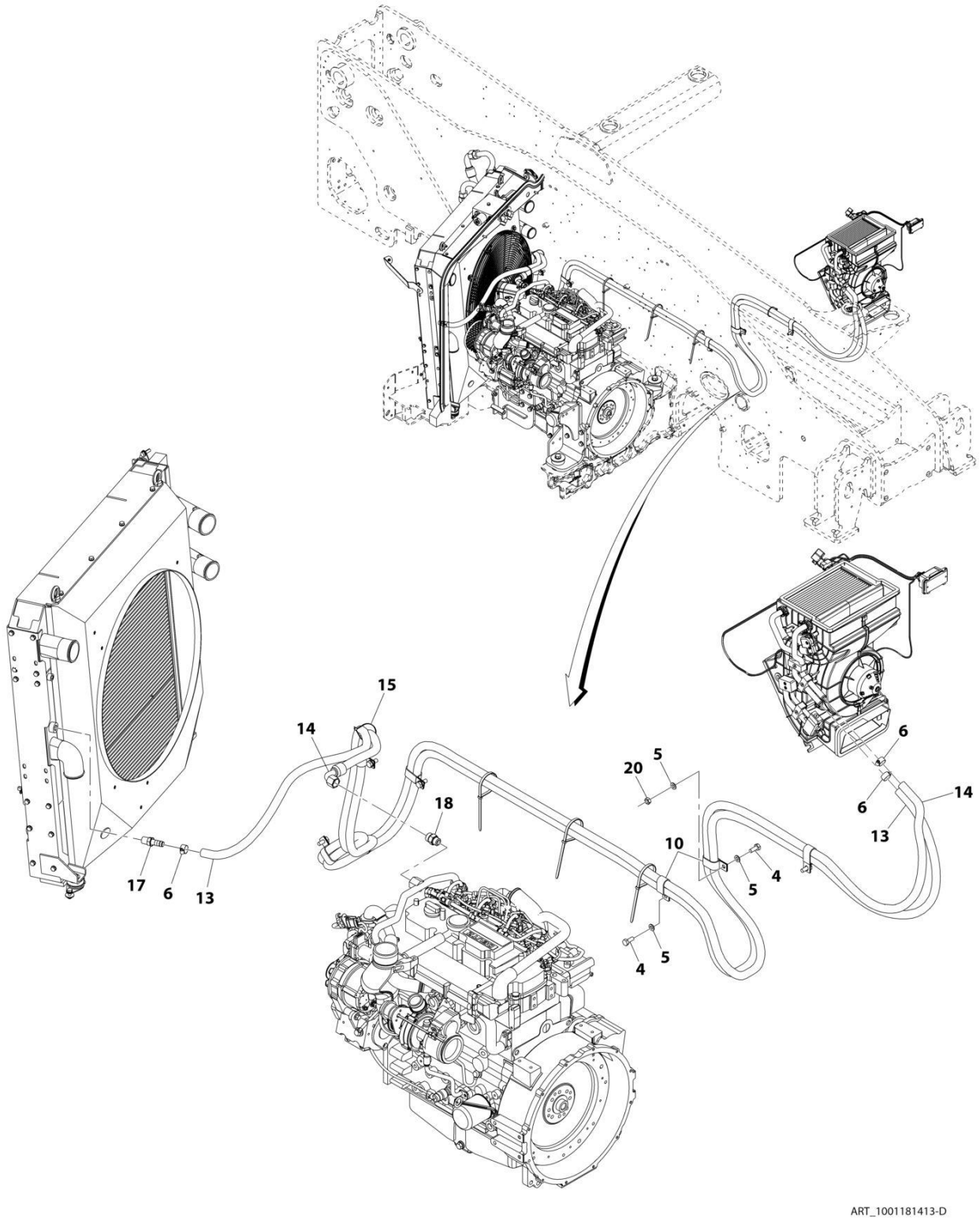


FIGURE 4-47. HEATER LINES INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181413	Ref	Heater Lines Installation (LS)	E
4	0761012	6	Bolt, M10X25	
5	4812000	7	Washer, M10	
6	8410009	4	Clamp	
10	1001008720	6	Clip	
13	1001201296	1	Hose	
13	1001284581	1	Hose	
14	1001202772	1	Hose	
14	1001284544	1	Hose	
15	1001008559	2	Strap	
17	1001104685	1	Fitting, Barbed	
18	1001202921	1	Fitting, Straight ORFS	
18	2221257	1	Fitting, Straight ORFS	
18	1001203005	1	Fitting, 45	
20	3291001	1	Nut, M10X1.5	
21	1001268889	1	Sleeve, Hose Wrap	

FIGURE 4-48. HEATER LINES INSTALLATION (ULS) (Prior to SN 0160126024)

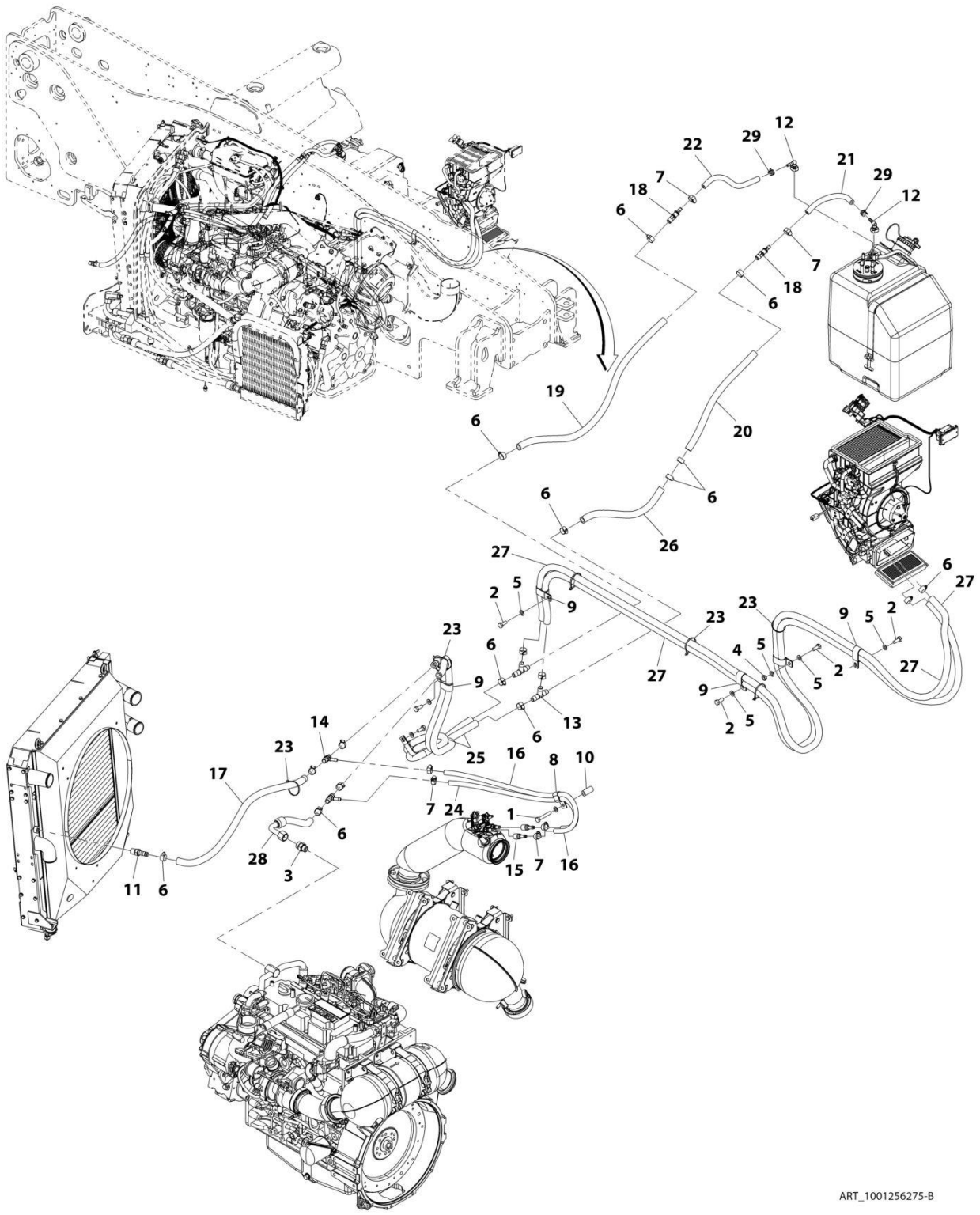


FIGURE 4-48. HEATER LINES INSTALLATION (ULS) (Prior to SN 0160126024)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256275	Ref	Heater Lines Installation (ULS)	B
1	0701020	1	Bolt, M10X60	
2	0761012	6	Bolt, M10X25	
3	1001202921	1	Fitting, Straight ORFS	
4	3291001	1	Nut, M10X1.5	
5	4812000	8	Washer, M10	
6	8410009	17	Clamp, Gear	
7	8410013	6	Clamp, Gear	
8	1001008573	1	Clip	
9	1001008720	6	Clip	
10	1001092122	1	Spacer	
11	1001104685	1	Fitting, Barbed	
12	1001155823	2	Coupling,90 Deg Quick Connect	
13	1001183125	2	Fitting, Tee	
14	1001183149	2	Fitting, Tee	
15	1001183357	2	Fitting, Straight	
16	1001202474	1	Hose	
17	1001202476	1	Hose	
18	1001238470	2	Adapter	
19	1001256381	1	Hose	
20	1001256382	1	Hose	
21	1001256383	1	Hose	
22	1001256384	1	Hose	
23	1001008559	8	Strap	
24	1001202473	1	Hose	
25	1001202477	2	Hose	
26	1001202478	1	Hose	
27	1001202480	2	Hose	
28	1001212956	1	Hose	
29	1001254357	2	Clamp	

FIGURE 4-49. HEATER LINES INSTALLATION (SN 0160126024 to Present)

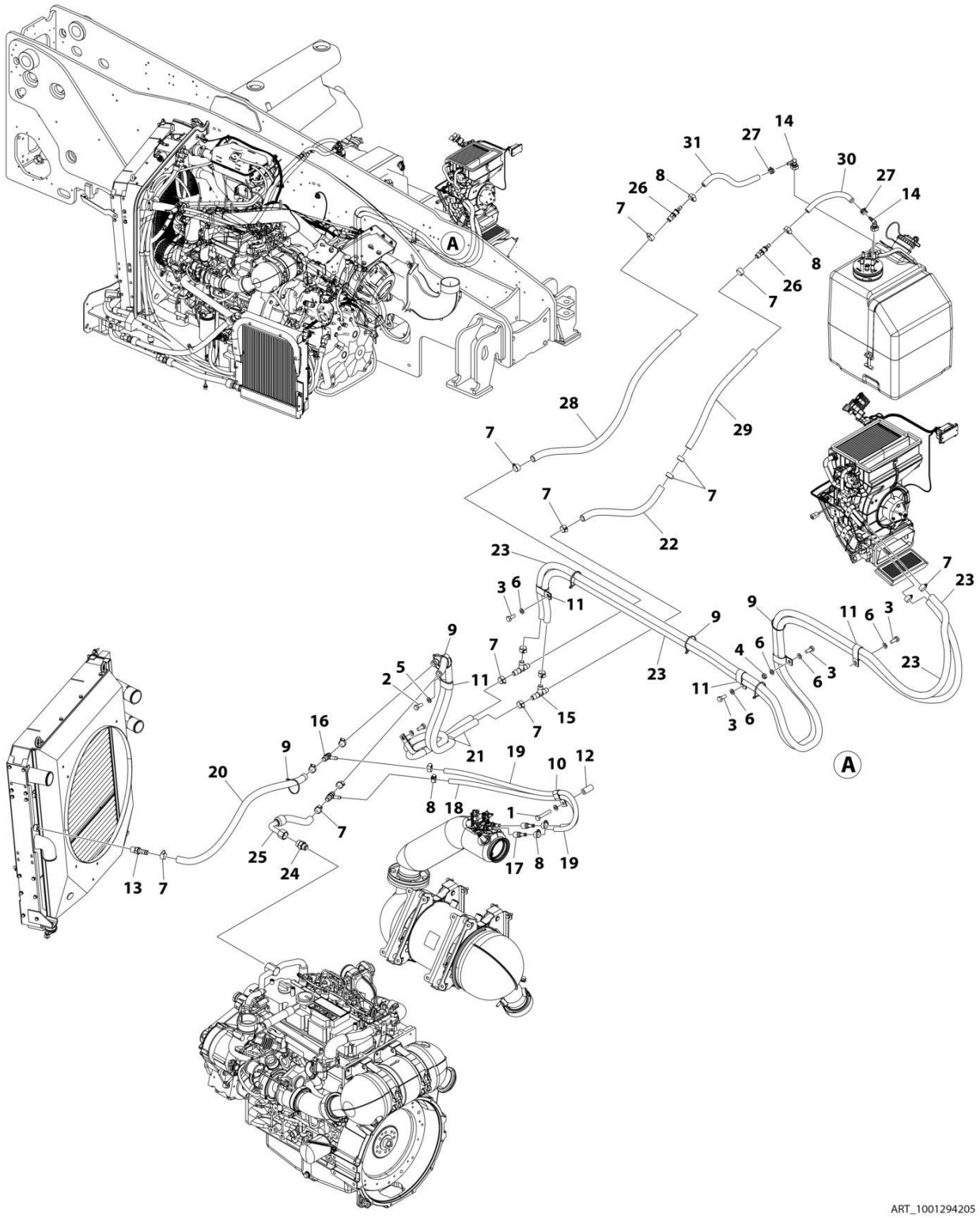


FIGURE 4-49. HEATER LINES INSTALLATION (SN 0160126024 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294205	Ref	HEATER LINES INSTALLATION	A
1	0701020	1	Bolt M10 x 60	
2	0760812	1	Bolt M8 x 25	
3	0761012	5	Bolt M10 x 25	
4	3291001	1	Nut M10	
5	4811900	1	Washer M8	
6	4812000	7	Washer M10	
7	8410009	17	Clamp	
8	8410013	6	Clamp	
9	1001008559	8	Tie- Strap	
10	1001008573	1	Clip	
11	1001008720	6	Clip	
12	1001092122	1	Spacer	
13	1001104685	1	Fitting, Barbed	
14	1001155823	2	Coupling,90 Connect	
15	1001183125	2	Fitting, Tee	
16	1001183149	2	Fitting, Tee	
17	1001183357	2	Fitting, Straight	
18	1001202473	1	Hose	
19	1001202474	1	Hose	
20	1001202476	1	Hose	
21	1001202477	2	Hose	
22	1001202478	1	Hose	
23	1001202480	2	Hose	
24	1001202921	1	Fitting, Straight ORFS	
25	1001212956	1	Hose	
26	1001238470	2	Adapter	
27	1001254357	2	Clamp	
28	1001256381	1	Hose	
29	1001256382	1	Hose	
30	1001256383	1	Hose	
31	1001256384	1	Hose	

FIGURE 4-50. HEATER LINES WITH BLOCK HEATER INSTALLATION (LS)

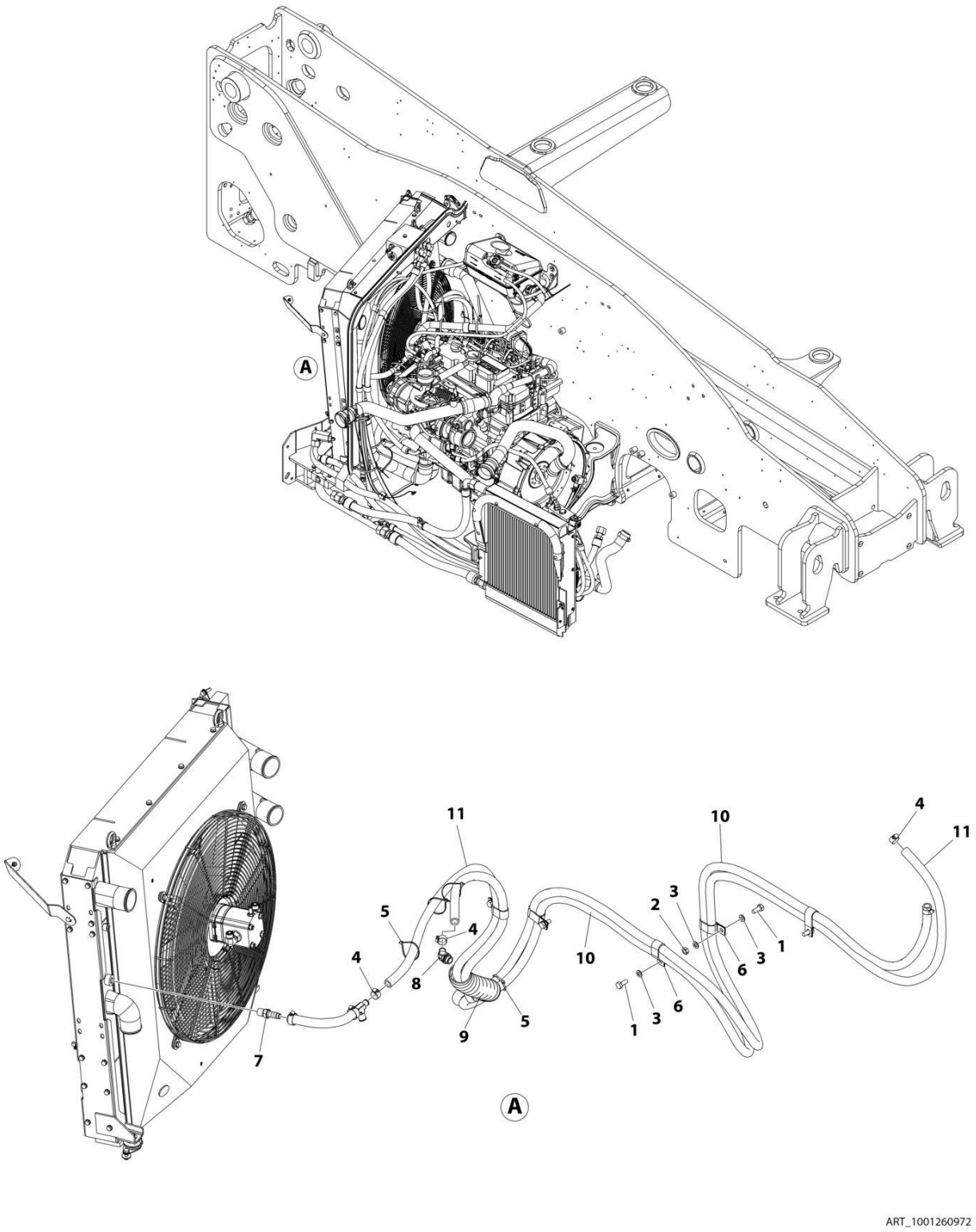


FIGURE 4-50. HEATER LINES WITH BLOCK HEATER INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260972	Ref	HEATER LINES INSTALLATION	A
1	0761012	6	Bolt M10 x 25	
2	3291001	1	Nut M10	
3	4812000	7	Washer M10	
4	8410009	4	Clamp	
5	1001008559	4	Strap, Tie	
6	1001008720	6	Clip-Loop	
7	1001104685	1	Fitting, Straight Barbed/NPTF	
8	1001203005	1	Fitting, 45 Barbed	
9	1001268889	1	Sleeve, Hose Wrap	
10	1001284544	1	Hose	
11	1001284581	1	Hose	

FIGURE 4-51. HEATER LINES WITH BLOCK HEATER INSTALLATION (ULS) (Prior to SN 0160126024)

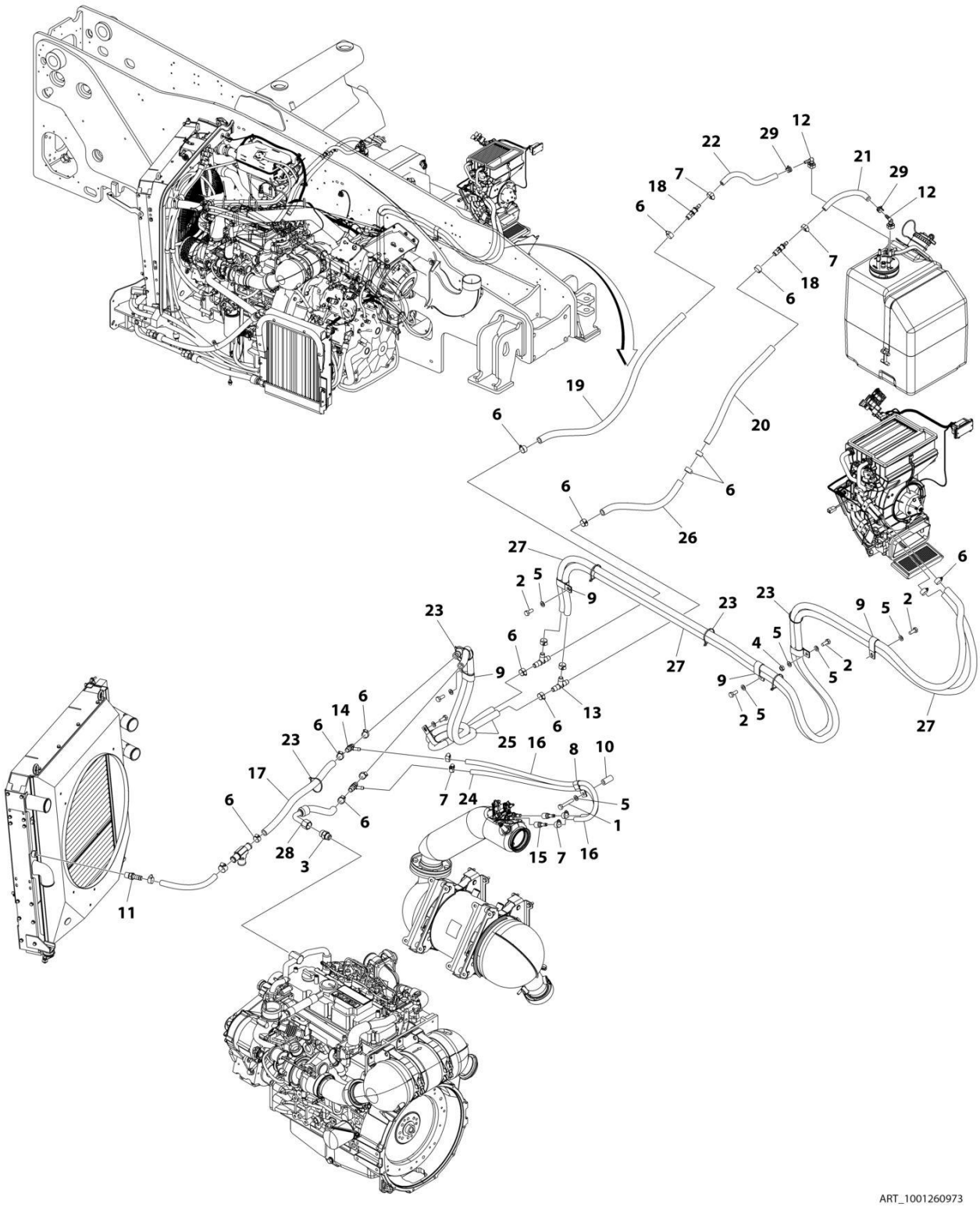


FIGURE 4-51. HEATER LINES WITH BLOCK HEATER INSTALLATION (ULS) (Prior to SN 0160126024)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260973	Ref	HEATER LINES WITH BLOCK HEATER INSTALLATION (ULS)	A
1	0701020	1	Bolt M10X60	
2	0761012	6	Bolt M10X25	
3	1001202921	1	Fitting, Straight ORFS	
4	3291001	1	Nut M10	
5	4812000	8	Washer M10	
6	8410009	17	Clamp, Gear	
7	8410013	6	Clamp, Gear	
8	1001008573	1	Clip	
9	1001008720	6	Clip	
10	1001092122	1	Spacer	
11	1001104685	1	Fitting, Barbed	
12	1001155823	2	Coupling,90 Deg Quick Connect	
13	1001183125	2	Fitting, Tee	
14	1001183149	2	Fitting, Tee	
15	1001183357	2	Fitting, Straight	
16	1001202474	1	Hose	
17	1001260974	1	Hose	
18	1001238470	2	Adapter	
19	1001256381	1	Hose	
20	1001256382	1	Hose	
21	1001256383	1	Hose	
22	1001256384	1	Hose	
23	1001008559	8	Strap	
24	1001202473	1	Hose	
25	1001202477	2	Hose	
26	1001202478	1	Hose	
27	1001202480	2	Hose	
28	1001212956	1	Hose	
29	1001254357	2	Clamp	

FIGURE 4-52. HEATER LINES WITH HEATER INSTALLATION (SN 0160126024 to Present)

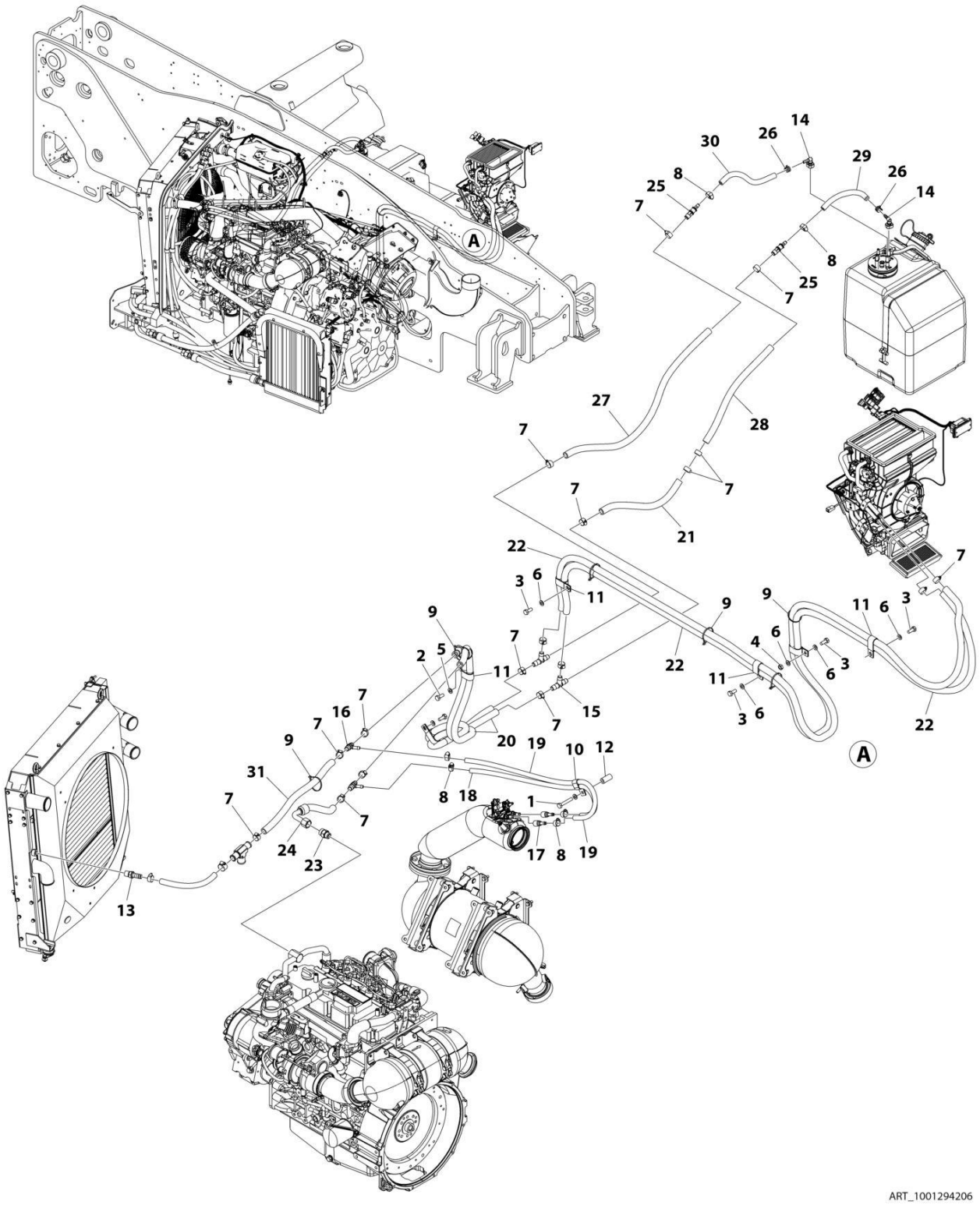


FIGURE 4-52. HEATER LINES WITH HEATER INSTALLATION (SN 0160126024 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294206	Ref	HEATER LINES WITH HEATER INSTALLATION	A
1	0701020	1	Bolt M10 x 60	
2	0760812	1	Bolt M8 x 25	
3	0761012	5	Bolt M10 x 25	
4	3291001	1	Nut M10	
5	4811900	1	Washer M8	
6	4812000	7	Washer M10	
7	8410009	17	Clamp	
8	8410013	6	Clamp	
9	1001008559	8	Strap	
10	1001008573	1	Clip	
11	1001008720	6	Clip	
12	1001092122	1	Spacer	
13	1001104685	1	Fitting, Barbed	
14	1001155823	2	Coupling, 90 Connect	
15	1001183125	2	Fitting, Tee	
16	1001183149	2	Fitting, Tee	
17	1001183357	2	Fitting, Straight	
18	1001202473	1	Hose	
19	1001202474	1	Hose	
20	1001202477	2	Hose	
21	1001202478	1	Hose	
22	1001202480	2	Hose	
23	1001202921	1	Fitting, Straight ORFS	
24	1001212956	1	Hose	
25	1001238470	2	Adapter	
26	1001254357	2	Clamp	
27	1001256381	1	Hose	
28	1001256382	1	Hose	
29	1001256383	1	Hose	
30	1001256384	1	Hose	
31	1001260974	1	Hose	

FIGURE 4-53. BLOCK HEATER INSTALLATION (120V - LS)

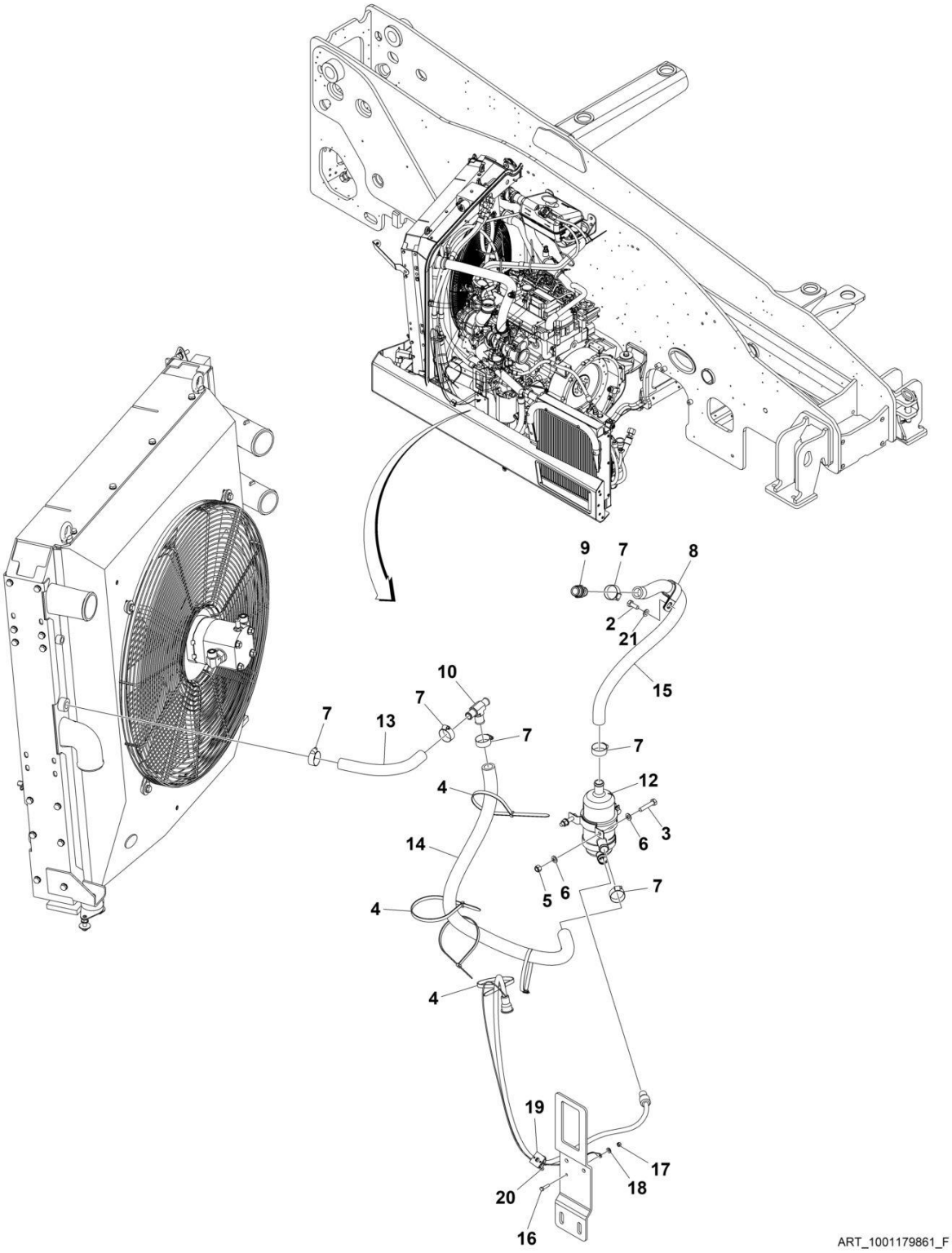


FIGURE 4-53. BLOCK HEATER INSTALLATION (120V - LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179861	Ref	BLOCK HEATER INSTALLATION (120V)	F
2	0761010	1	Bolt M10 x 20	
3	0760816	2	Bolt M8 x 40	
4	1062255	5	Strap, Tie	
5	3290805	2	Nut Lock M8 x 1.25 Grade 8	
6	4811900	4	Washer M8	
7	8405007	6	Clamp	
8	8406302	1	Clamp	
9	1001167408	1	Adapter, Hose	
10	1001167773	1	Fitting, Tee	
12	1001179910	1	Block Heater (120V) (See Separate Breakdown in this Section)	
13	1001204302	1	Hose	
14	1001204301	1	Hose	
15	1001204373	1	Hose	
16	0700510	1	Bolt M5 x 20	
17	3290505	1	Nut M5	
18	4811700	1	Washer M6	
19	4460234	1	Mount, Cable Tie	
20	1001008559	1	Strap, Tie	
21	4812000	1	Washer M10	

FIGURE 4-54. BLOCK HEATER (LS)

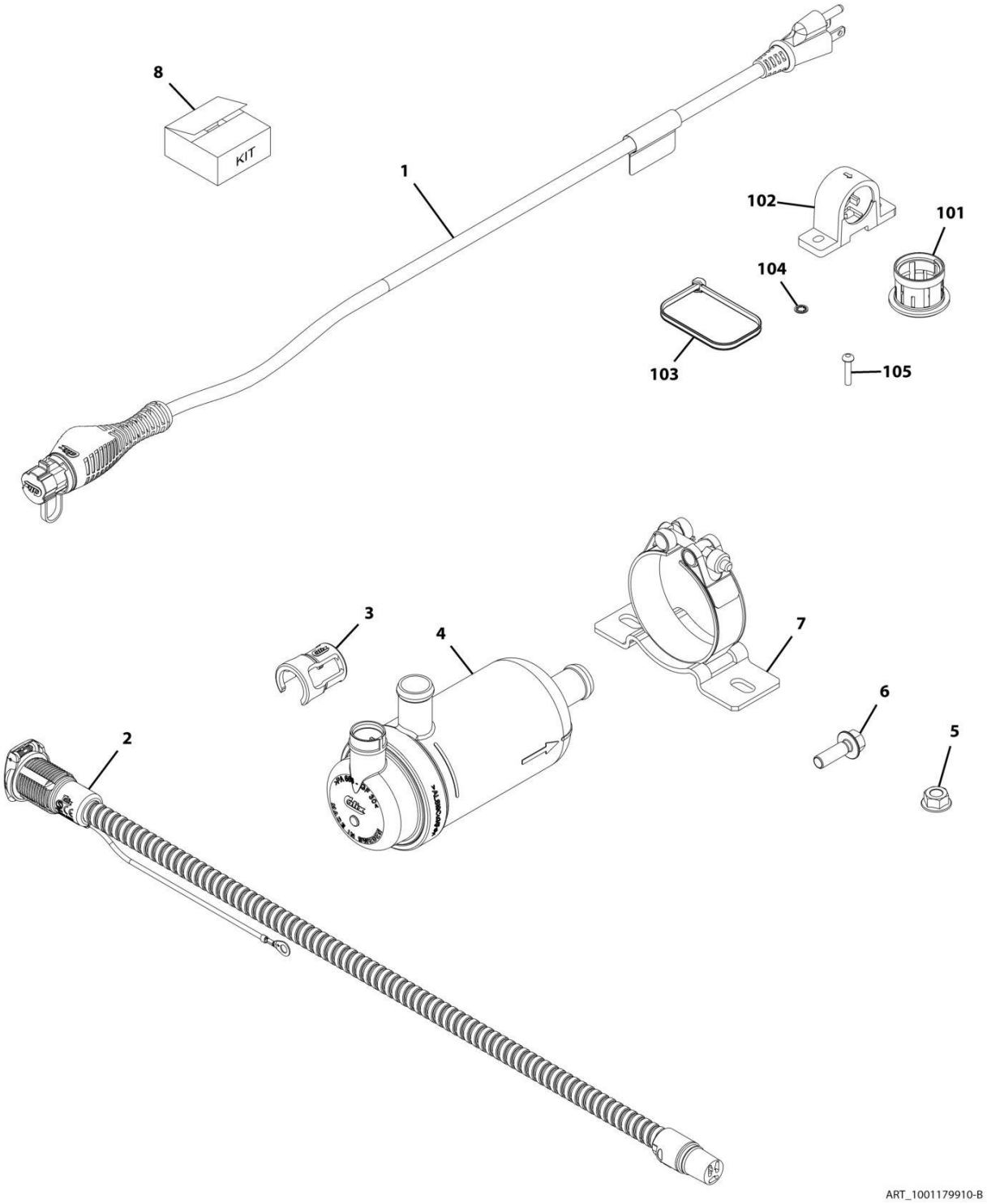


FIGURE 4-54. BLOCK HEATER (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179910	Ref	Block Heater (LS)	B
1	70026725	1	Cable, Supply	
2	70026726	1	Cable, Inlet	
3	70026720	1	Clip, Safety	
4	70026721	1	Heater	
5	70026722	2	Nut, Flange M8X8	
6	70026723	2	Screw, Flange M8X25	
7	70026724	1	Clamp	
8	70026719	1	Kit, MK Assembly	
101	Kit	1	Expander	
102	Kit	1	Clamp	
103	Kit	5	Wrap, Tie	
104	Kit	2	Washer, Lock	
105	Kit	3	Screw	

FIGURE 4-55. A/C PUMP INSTALLATION

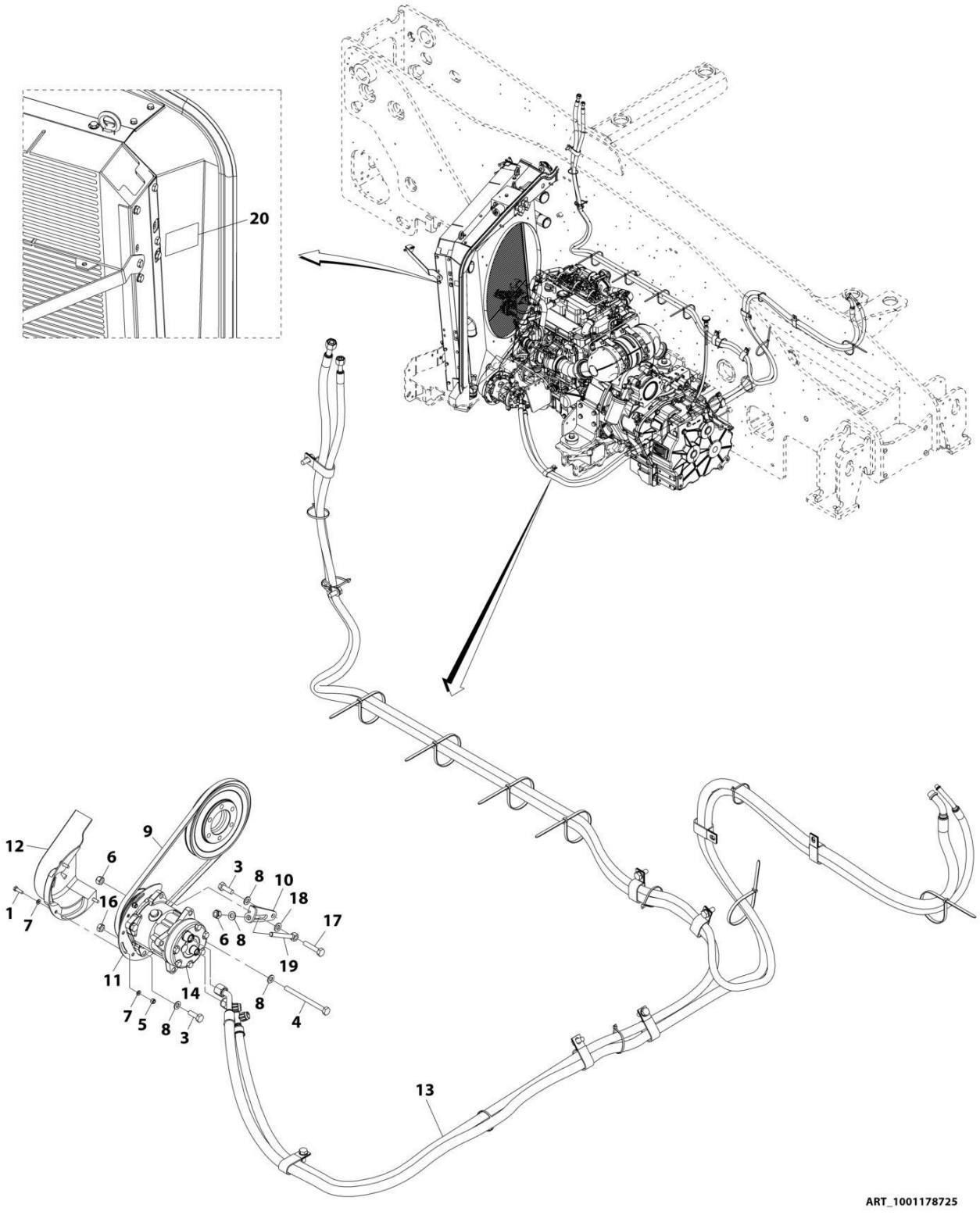


FIGURE 4-55. A/C PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178725	Ref	A/C Pump Installation	F
1	0700610	3	Bolt, M6X20	
3	0701014	3	Bolt, M10X30	
4	0701030	1	Bolt, M10X130	
5	3290605	3	Nut, Lock M6X1 Grade 8	
6	3291005	2	Nut, Lock M10X1.5 Grade 8	
7	4811700	6	Washer, M6	
8	4812000	5	Washer, M10	
9	1001167356	1	Belt, Drive A/C	
10	1001188855	1	Plate	
11	1001193735	1	Support	
12	1001171000	1	Cover	
13	1001178749	Ref	Installation, A/C Lines (See Separate Breakdown in this Section)	
14	1001119220	1	Compressor	
16	3291001	2	Nut, M10X1.5 Grade 8	
17	0701018	1	Bolt, M10X50	
18	5241000	1	Washer, M10	
19	1001188856	1	Rod	
20	1001227090	1	Decal	

FIGURE 4-56. A/C LINES INSTALLATION

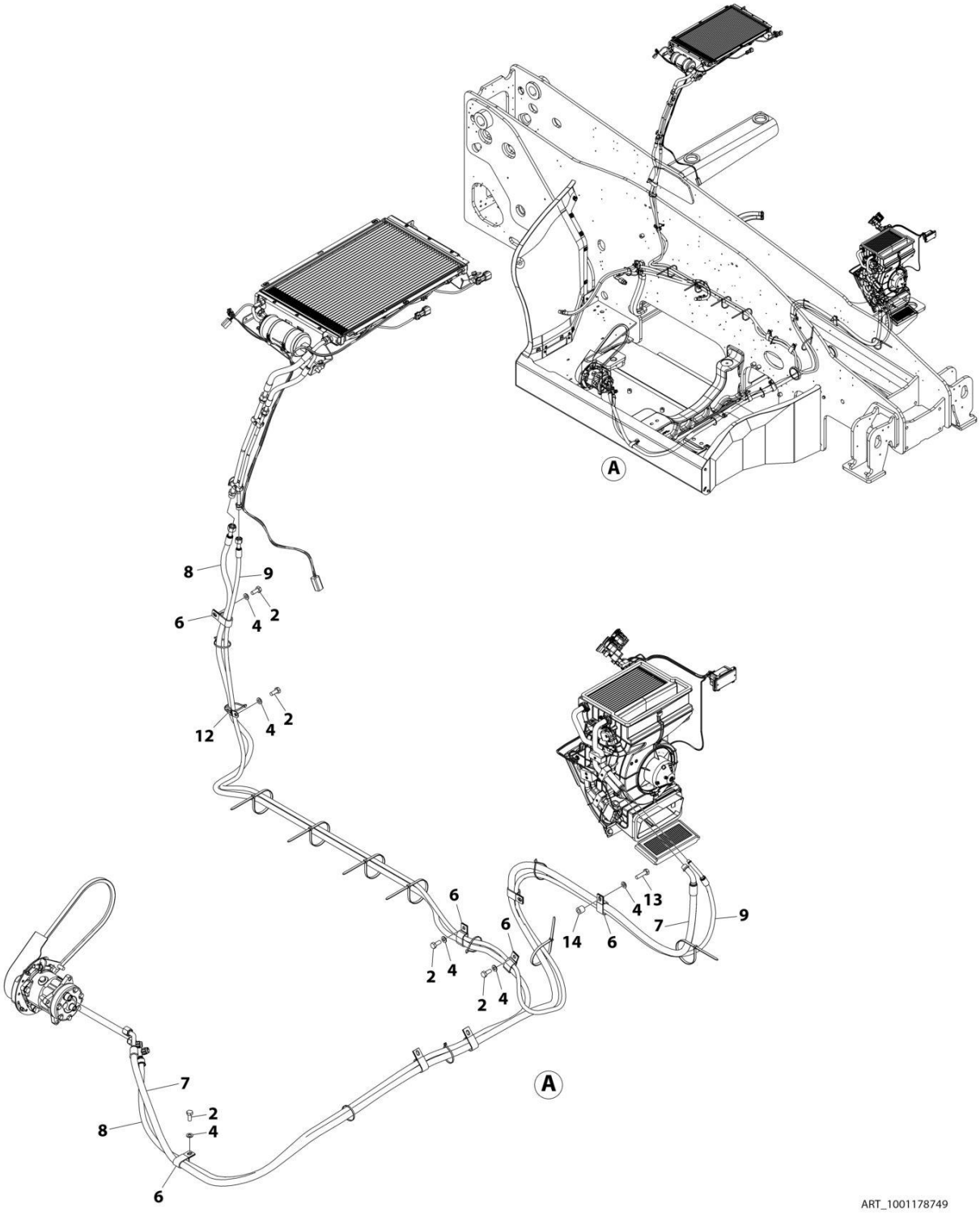


FIGURE 4-56. A/C LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178749	Ref	A/C LINES INSTALLATION	G
2	0761012	5	Bolt M10 x 25	
4	4812000	6	Washer M10	
6	1001026104	8	Clip	
7	1001203825	1	Hose	
8	1001180593	1	Hose	
9	1001203826	1	Hose	
10	1001008559	AR	Tie-Strap 365MM (Not Shown)	
11	1062255	AR	Tie-Strap 170MM (Not Shown)	
12	1001008593	1	Clip	
13	0701016	1	Bolt M10 x 40	
14	1001095401	1	Spacer	

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. DRIVETRAIN INSTALLATION

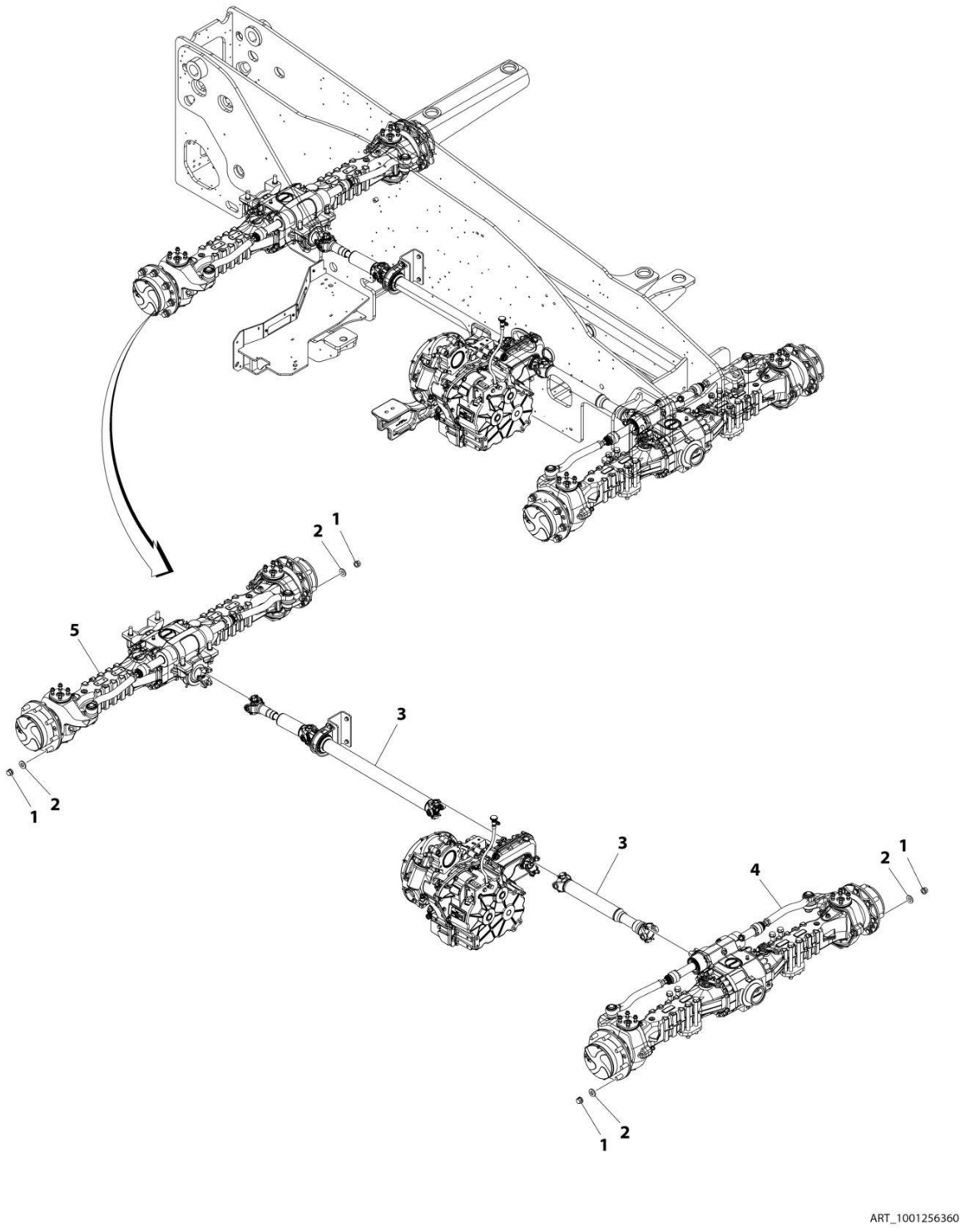


FIGURE 5-1. DRIVETRAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256360	Ref	DRIVETRAIN INSTALLATION	D
1	3300479	32	Nut M22 (Without Free-Spinning Flange)	
1	91403193	32	Nut M22 Grade 8 (With Free-Spinning Flange)	
2	1001114802	32	Washer M22	
3	1001177638	1	Installation, Drive Shaft (See Separate Breakdown in this Section)	
4	1001256366	1	Installation, Front Axle (No Hydraulic Park Brake) (See Separate Breakdown in this Section)	
5	1001256367	1	Installation, Rear Axle (See Separate Breakdown in this Section)	

FIGURE 5-2. FRONT AXLE INSTALLATION

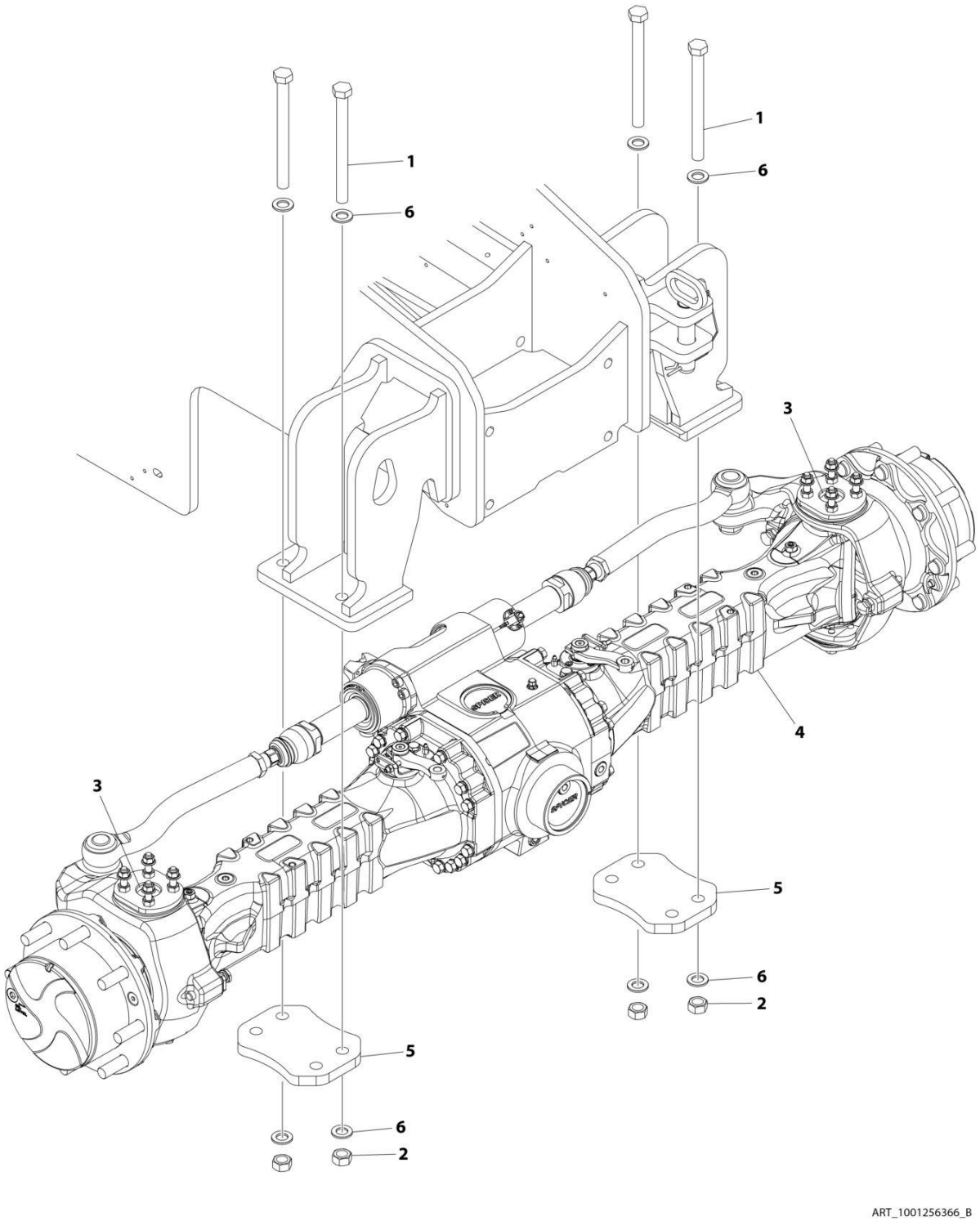
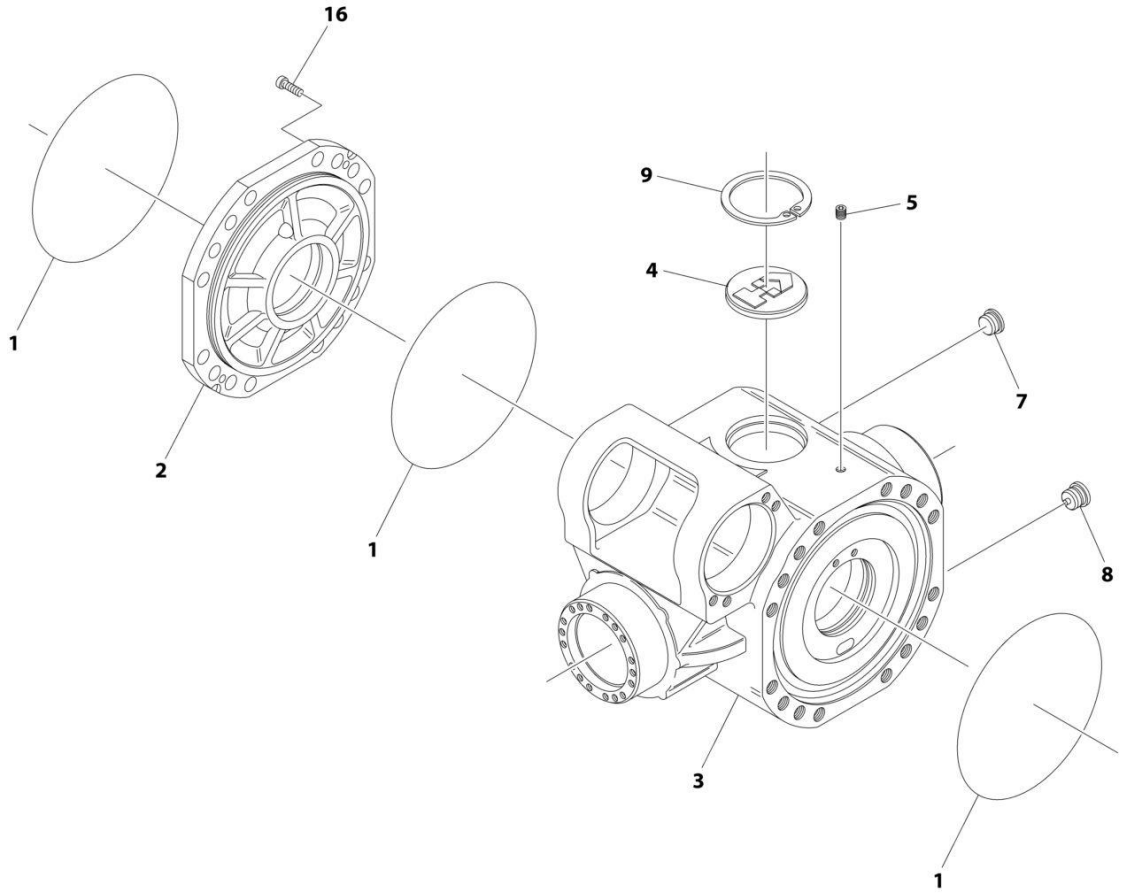
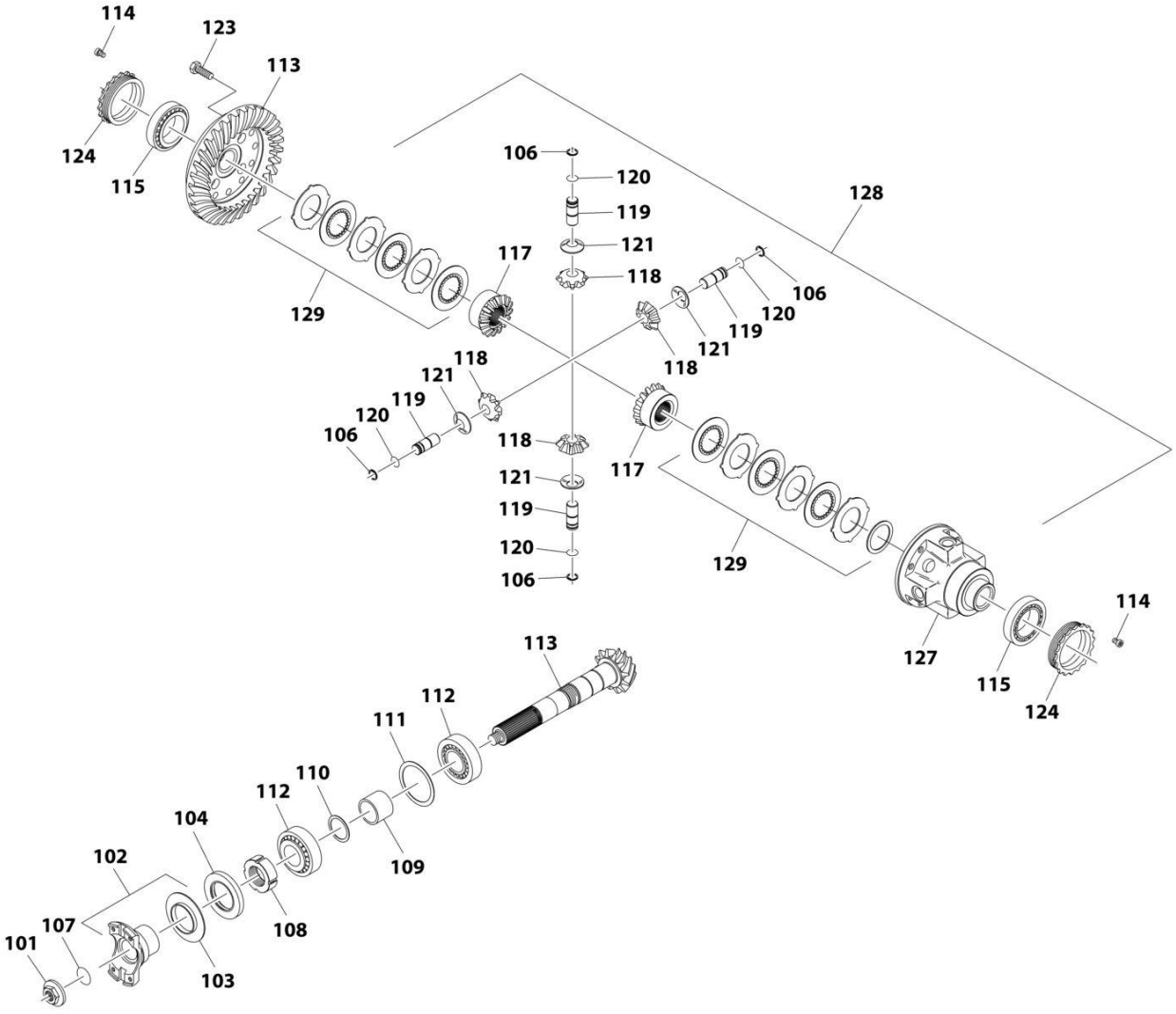


FIGURE 5-2. FRONT AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256366	Ref	FRONT AXLE INSTALLATION (NO HYDRAULIC PARK BRAKE)	B
1	0712040	8	Bolt M20 x 230, Grade 10.9	
2	3332011	8	Nut M20 x 2.5	
3	1001008462	AR	Grease	
4	1001270167	1	Installation, Front Axle (No Hydraulic Park Brake) (See Separate Breakdown in this Section)	
5	1001190542	2	Plate	
6	1001197130	16	Washer	

FIGURE 5-3. FRONT AXLE ASSEMBLY





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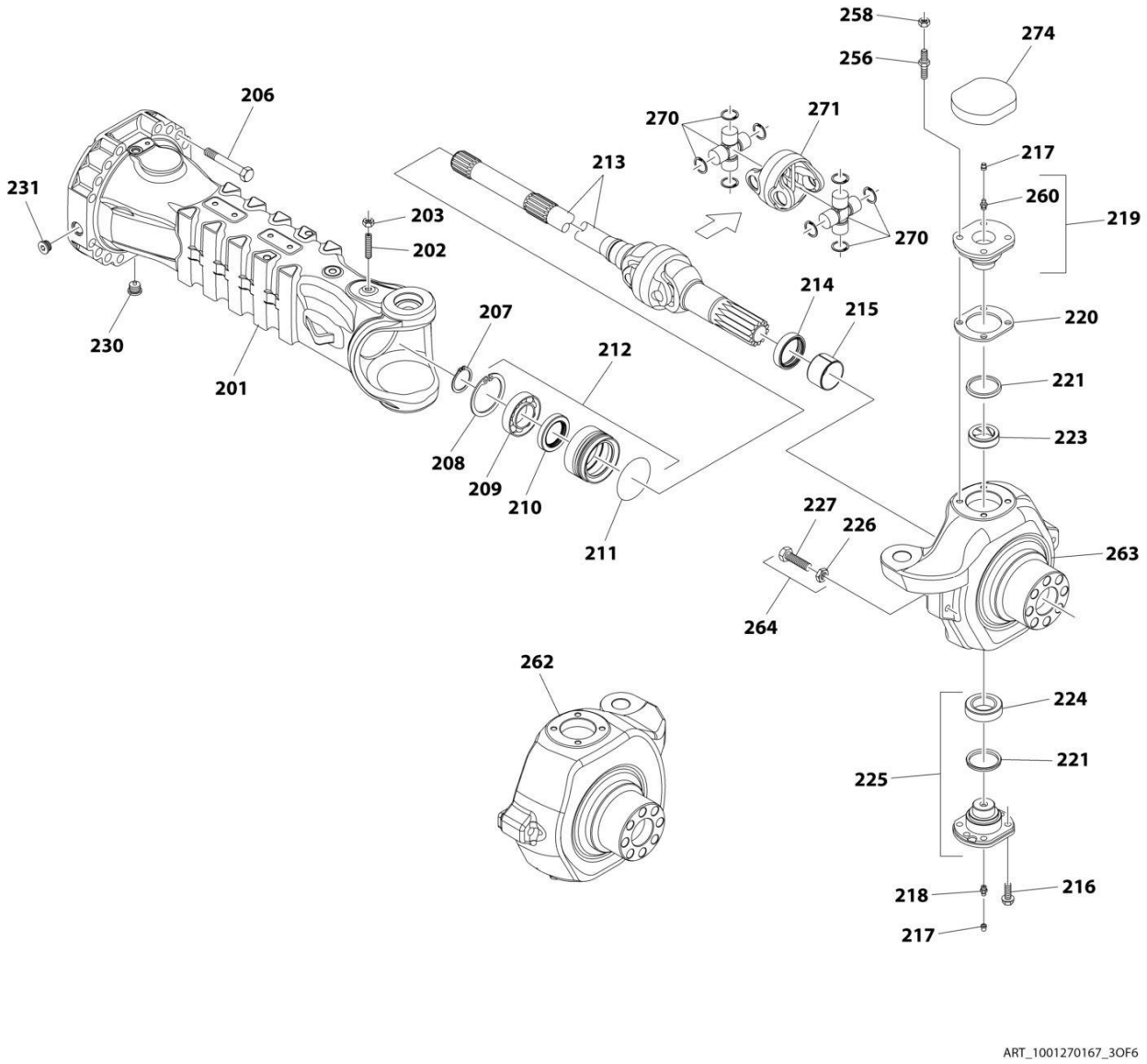
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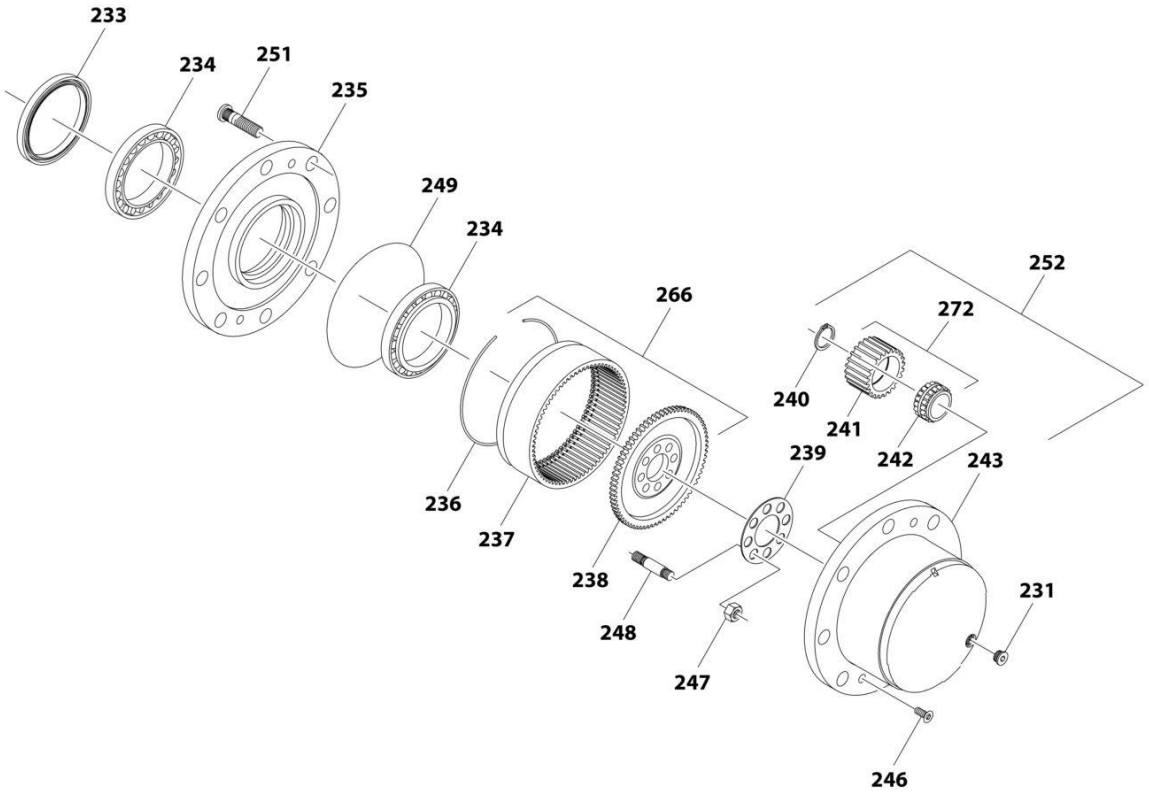

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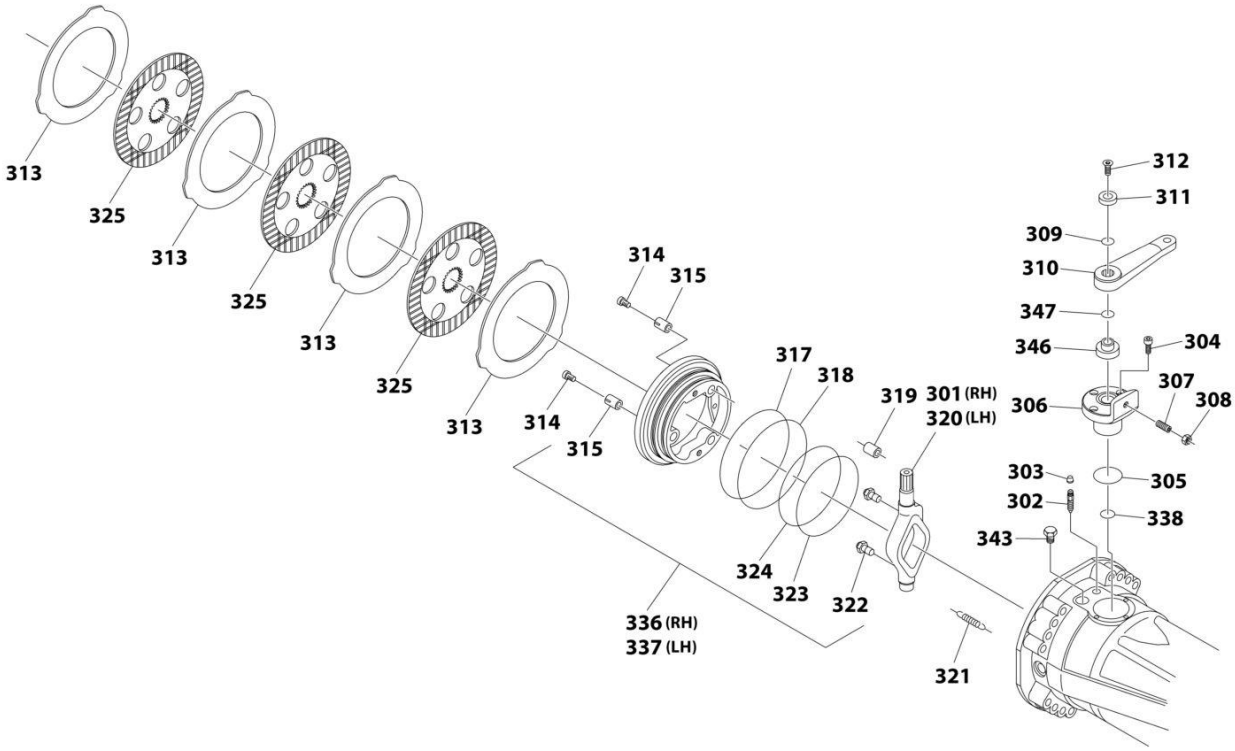
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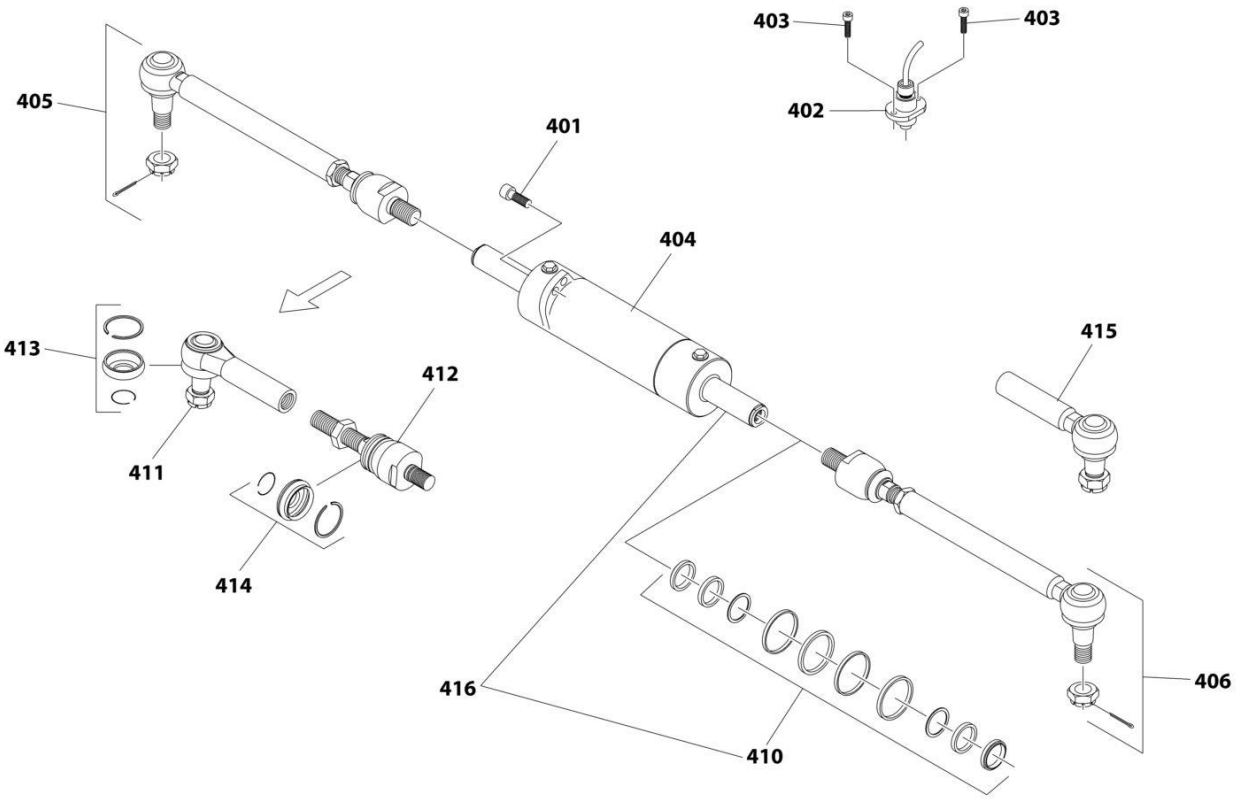
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FIGURE 5-3. FRONT AXLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270167	Ref	AXLE ASSEMBLY	B
		Ref	Central Housing Assembly	
1	91474507	3	O-Ring	
2	70027107	1	Cover	
3	70026749	1	Housing	
4	91514098	1	Plug	
5	91474512	1	Plug	
7	91514188	1	Plug	
8	7028706	1	Plug	
9	80204005	1	Circlip	
16	91474591	4	Bolt	
		Ref	Differential Assembly	
101	70026631	1	Nut	
102	7029427	1	Flange	
103	91474531	1	Cover	
104	70024522	1	Seal	
106	91474550	4	Circlip	
107	91474529	1	O-Ring	
108	91474533	1	Ring Nut	
109	91474539	1	Spacer	
110	70025556	1	Shim Kit	
111	70025555	1	Shim Kit	
112	3968141	2	Bearing	
113	8007749	1	Gear Set	
114	91514134	2	Bolt	
115	70028471	2	Bearing	
117	91474549	2	Gear, Side	
118	91474554	4	Gear, Pinion	
119	7029131	4	Pin	
120	91474551	4	Circlip	
121	91474553	4	Washer	
123	70025562	12	Bolt	
124	91474547	2	Ring Nut	
127	91474555	1	Carrier	
128	70028940	1	Differential Sub-Assembly (Includes Items 106, 117-121, 127 & 129)	
129	8007755	2	Disc	
		Ref	Hub Reduction Assembly	
201	70028906	2	Case, Axle	
202	2400600	2	Bolt	
203	91514082	2	Nut	
206	7029428	28	Bolt	
207	80204071	2	Circlip	
208	80204005	2	Circlip	
209	91514146	2	Bearing	
210	91514147	2	Seal	
211	91514148	2	O-Ring	
212	70030992	2	Bushing Kit (Includes Bushing & Items 208-211)	
213	70029869	2	Joint, Universal	
214	8007771	2	Seal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
215	8004468	2	Bushing	
216	70025562	12	Bolt	
217	80204117	4	Plug	
218	91514099	2	Grease Fitting	
219	70025567	2	Pivot (Includes Item 218)	
220	70028536	1	Shim Kit	
221	2401043	2	Seal	
223	70020173	2	Bushing	
224	2401258	2	Seal	
225	8006605	2	Pivot Kit (Includes Pivot and Items 221 & 224)	
226	80204065	4	Nut	
227	91514117	4	Bolt	
230	7028706	2	Plug	
231	91514188	4	Plug	
233	7029430	2	Seal	
234	70030251	4	Bearing	
235	70028537	2	Hub	
236	91474579	2	Circlip	
237	91474580	2	Ring Gear	
238	3983720	2	Support, Ring Gear	
239	3983731	2	Plate, Locking	
240	91474585	8	Circlip	
241	70028473	8	Gear, Planet	
242	70028474	8	Bearing	
243	70026821	2	Carrier, Planet Gear	
246	91514189	4	Bolt	
247	91474584	16	Nut	
248	70027315	16	Stud	
249	91474507	2	O-Ring	
251	70030365	16	Wheel Stud	
252	70026827	2	Planet Gear Carrier Kit (Includes Housing and Items 240-243)	
256	70025819	8	Stud	
258	70027320	8	Nut	
260	7028115	2	Grease Fitting	
262	70030274	1	Case, Steer (LH) (Includes Item 215)	
263	70030264	1	Case, Steer (RH) (Includes Item 215)	
264	70028733	4	Bolt Kit (Includes Items 226 & 227)	
266	7029432	2	Ring Gear Kit (Includes Items 236-238)	
270	70030933	2	Joint Cross	
271	70030994	1	Center, Joint	
272	70027114	8	Planet Gear Kit (Includes Items 241 & 242)	
274	70028392	2	Cover	
		Ref	Brake Assembly	
301	8007785	1	Lever (RH)	
302	2960243	2	Bolt, Bleeding	
303	80204117	2	Plug	
304	2401736	6	Bolt	
305	3986405	2	O-Ring	
306	70030250	2	Bushing	
307	8002798	2	Setscrew	
308	8008168	2	Nut	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
309	7028038	2	O-Ring	
310	70030248	2	Lever, Brake	
311	7028039	2	Washer	
312	8008169	2	Screw	
313	70025823	10	Disc, Intermediate Brake	
314	7029786	6	Bolt	
315	70027317	3	Spring	
317	70025821	1	O-Ring	
318	70025821	1	O-Ring	
319	70021613	2	Bolt	
320	8007786	1	Lever (LH)	
321	3984425	6	Spring	
322	2903197	2	Pusher	
323	70025822	1	O-Ring	
324	70025822	1	O-Ring	
325	91474568	8	Disc	
336	70027319	1	Piston Kit (RH) (Includes Piston and Items 315, 317, 318 & 322-324)	
337	70027318	1	Piston Kit (LH) (Includes Piston and Items 315, 317, 318 & 322-324)	
338	8007802	2	O-Ring	
343	91514154	2	Plug	
346	70030247	2	Bushing	
347	70030249	2	O-Ring	
		Ref	Steering Assembly	
401	91474522	4	Bolt	
402	70031002	1	Sensor	
403	8008175	2	Bolt	
404	70031000	1	Cylinder	
405	70026819	1	Tie Rod (RH)	
406	70026820	1	Tie Rod (LH)	
410	70031001	1	Seal Kit Less Rod (Includes Seals Only)	
411	70028907	1	Joint, 90 Degree (RH)	
412	70028476	2	Joint, Axial (1 Per Side)	
413	70028477	2	Rubber Boot & Locking Ring Kit (1 Per Side)	
414	70028468	2	Rubber Boot & Locking Ring Kit (1 Per Side)	
415	70028908	1	Joint, 90 Degree (LH)	
416	70031003	1	Seal & Rod Kit (Includes Seals & Rod)	

FIGURE 5-4. REAR AXLE INSTALLATION

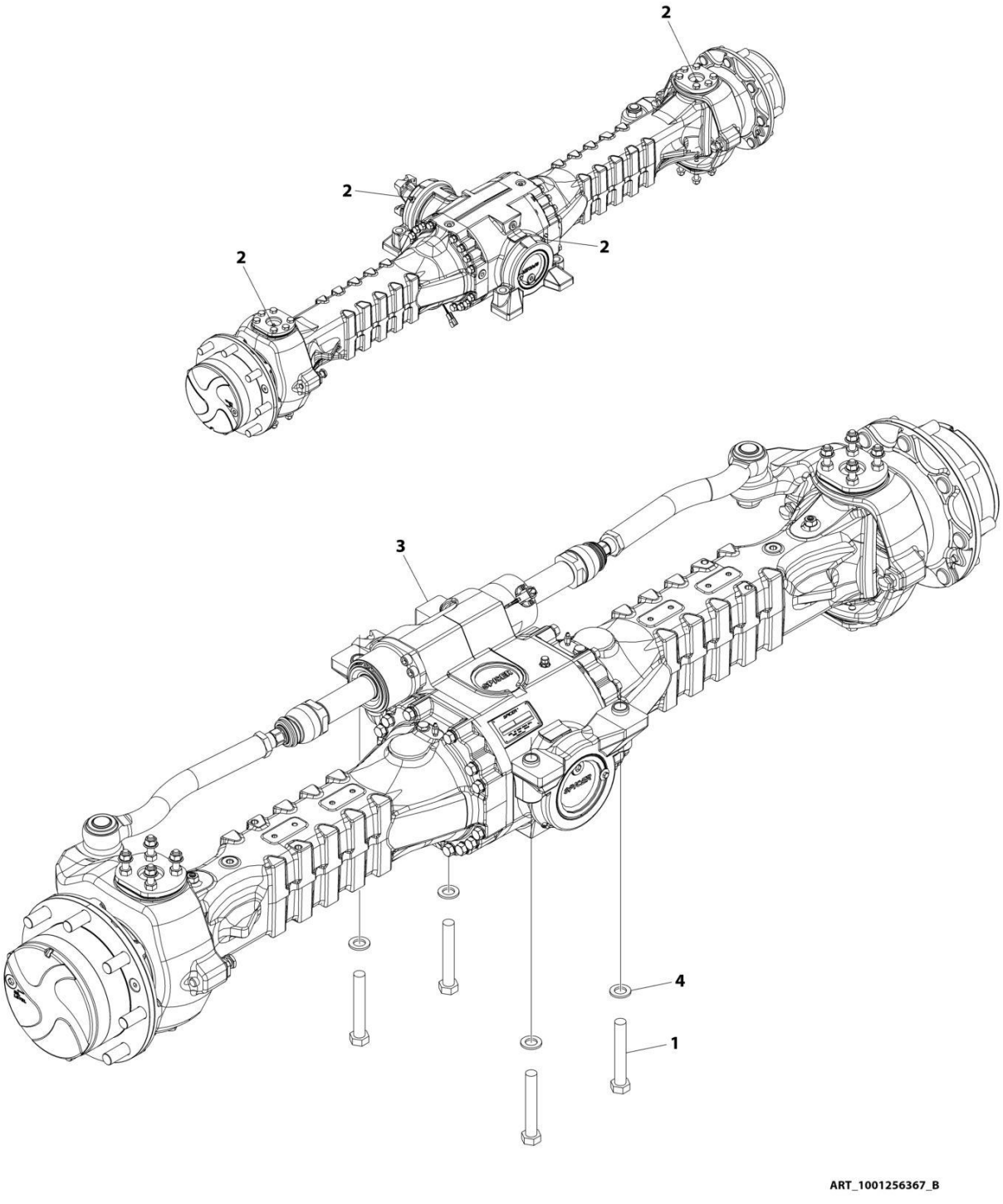
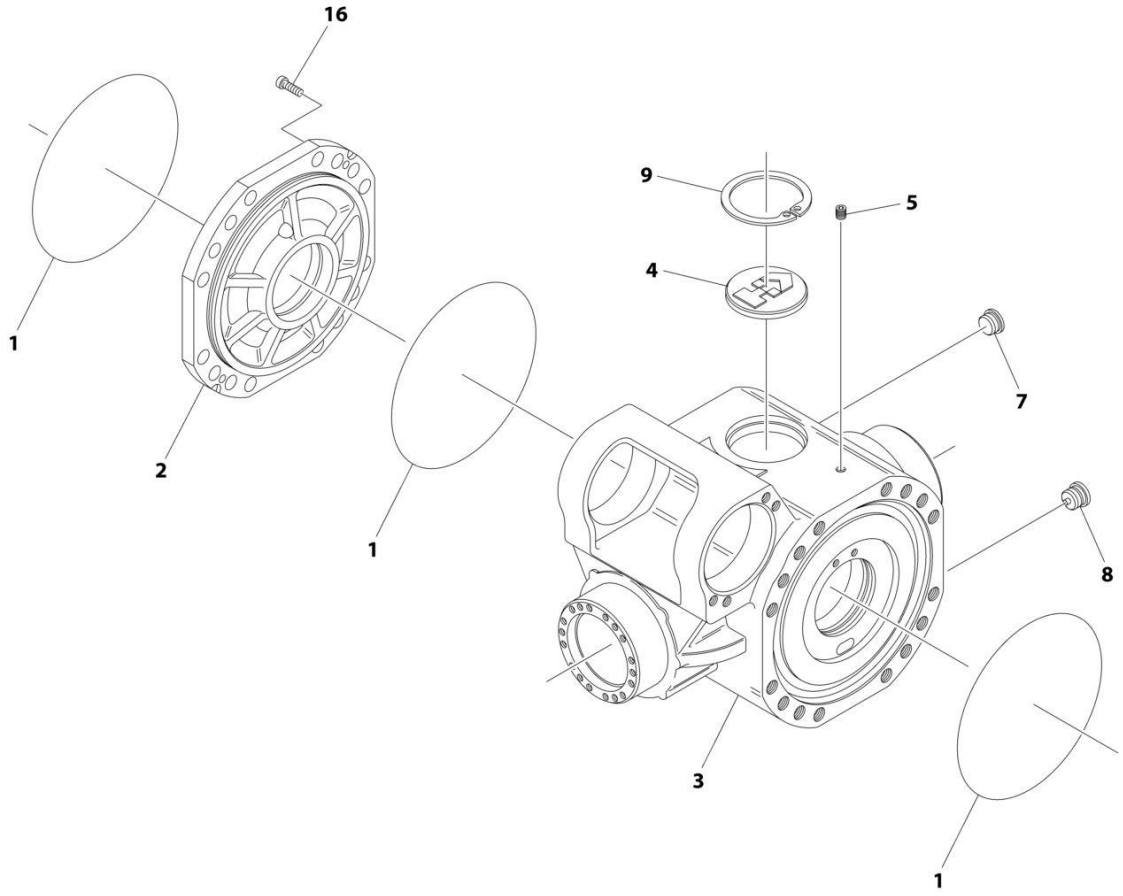
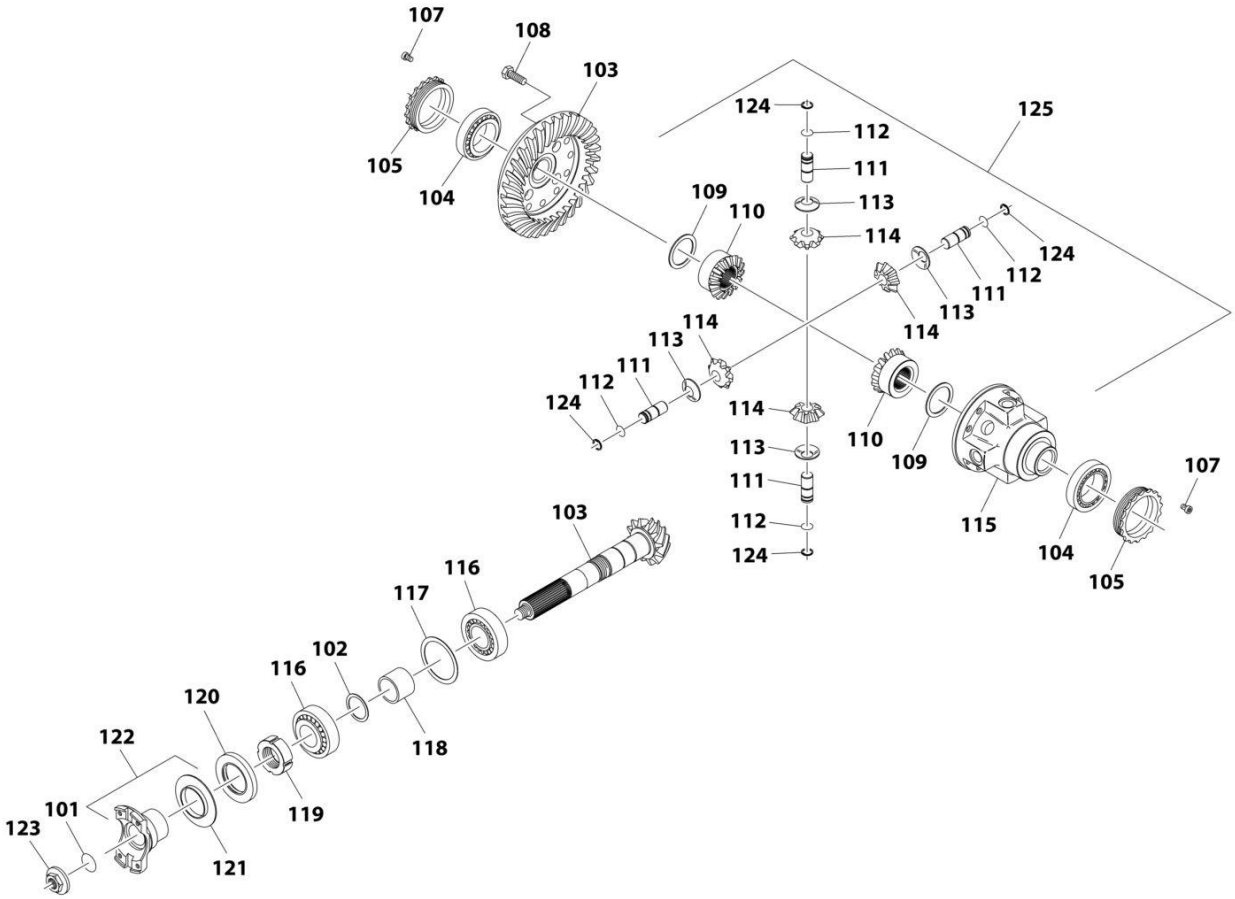


FIGURE 5-4. REAR AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256367	Ref	Rear Axle Installation	B
1	0712030	4	Bolt, M20X130 Grade 10.9	
2	1001008462	AR	Grease	
3	1001270170	1	Installation, Rear Axle (See Separate Breakdown in this Section)	
4	1001197130	4	Washer	

FIGURE 5-5. REAR AXLE ASSEMBLY





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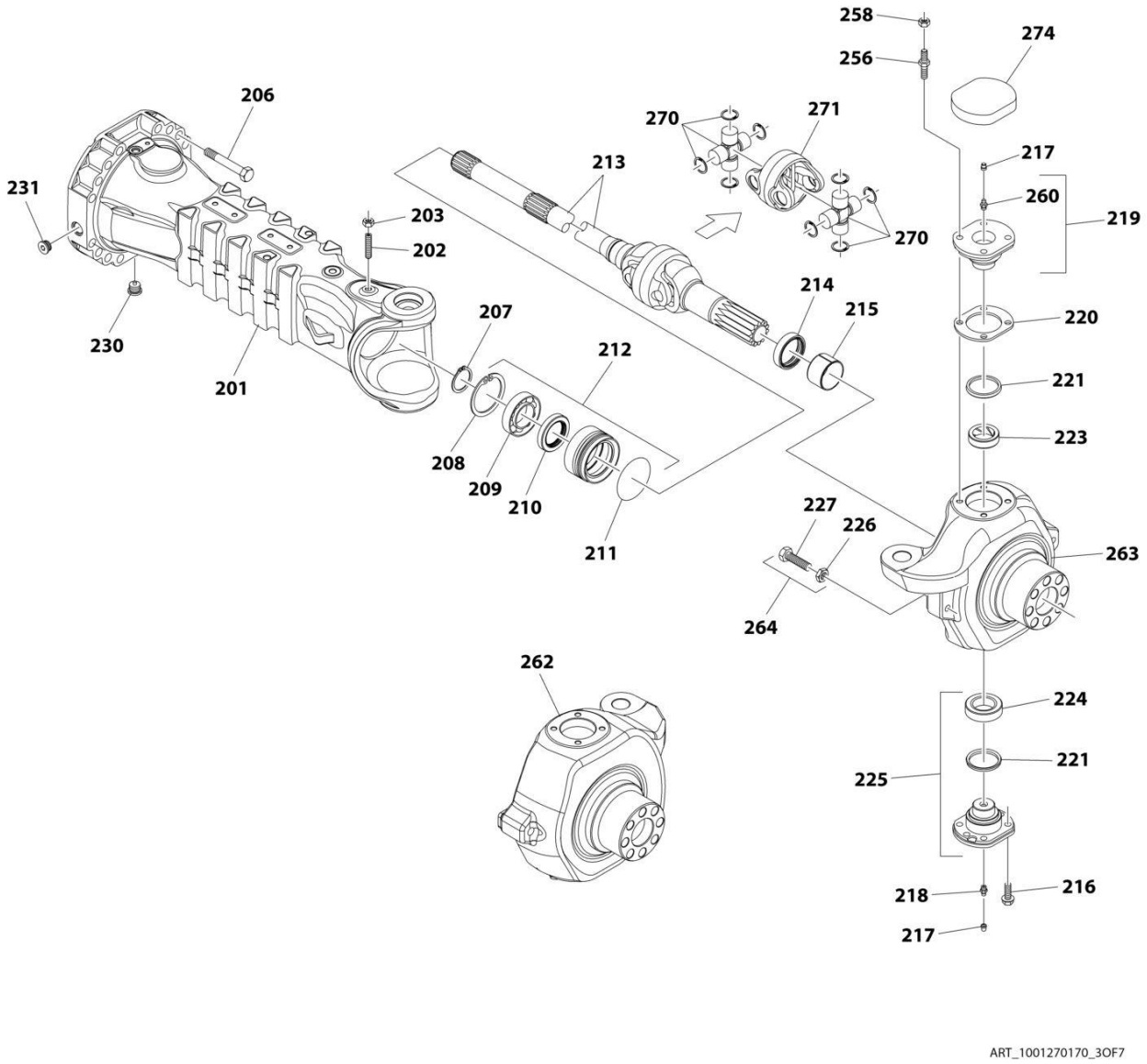
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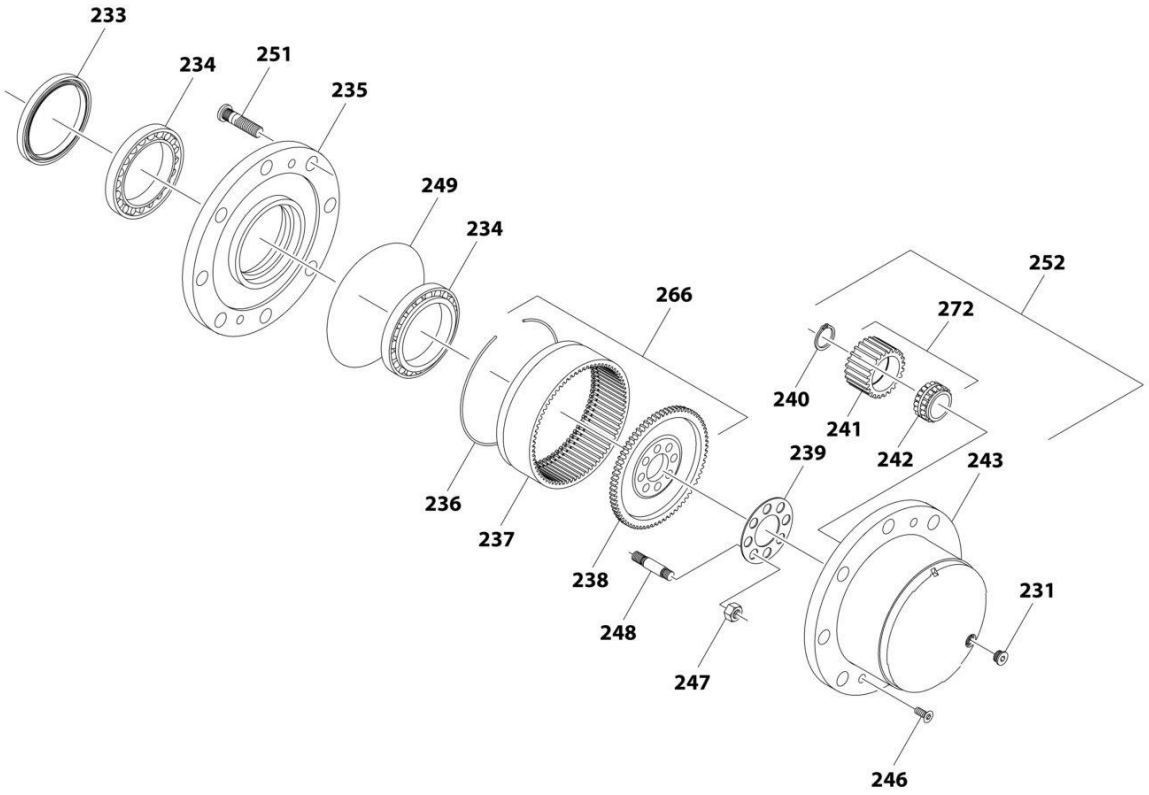

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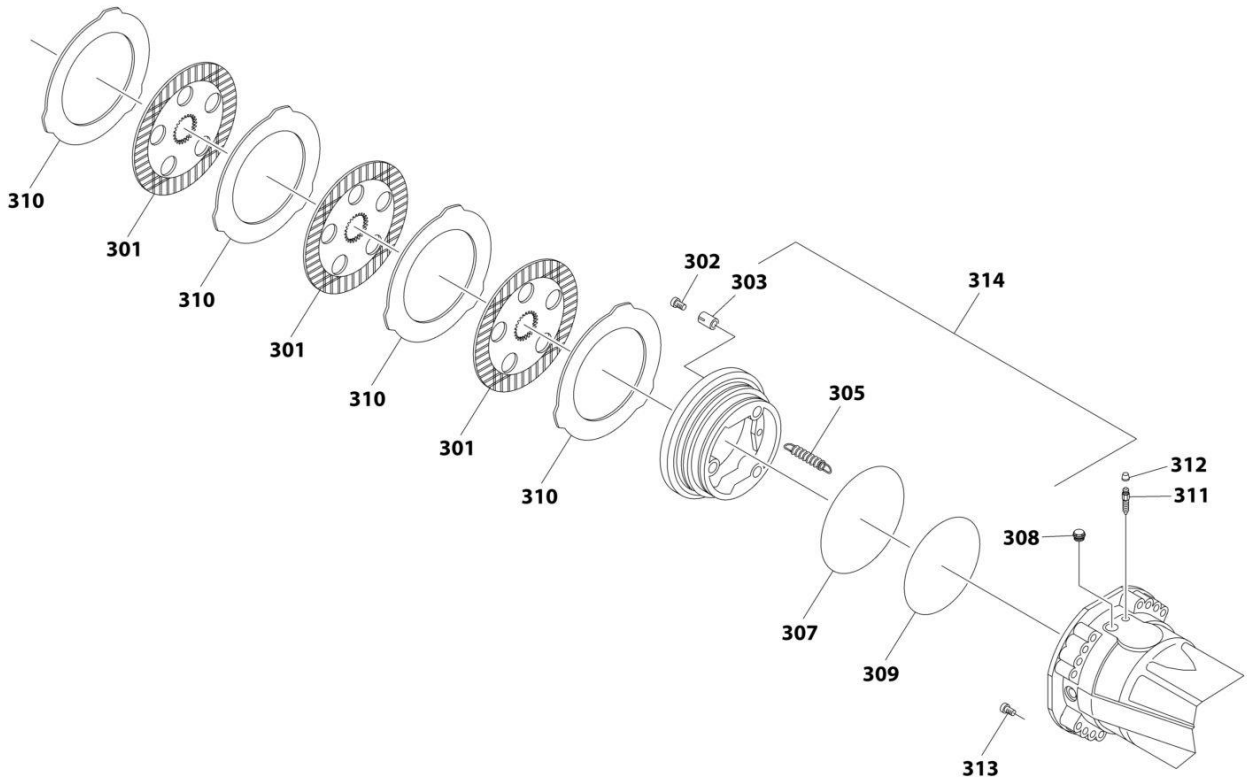

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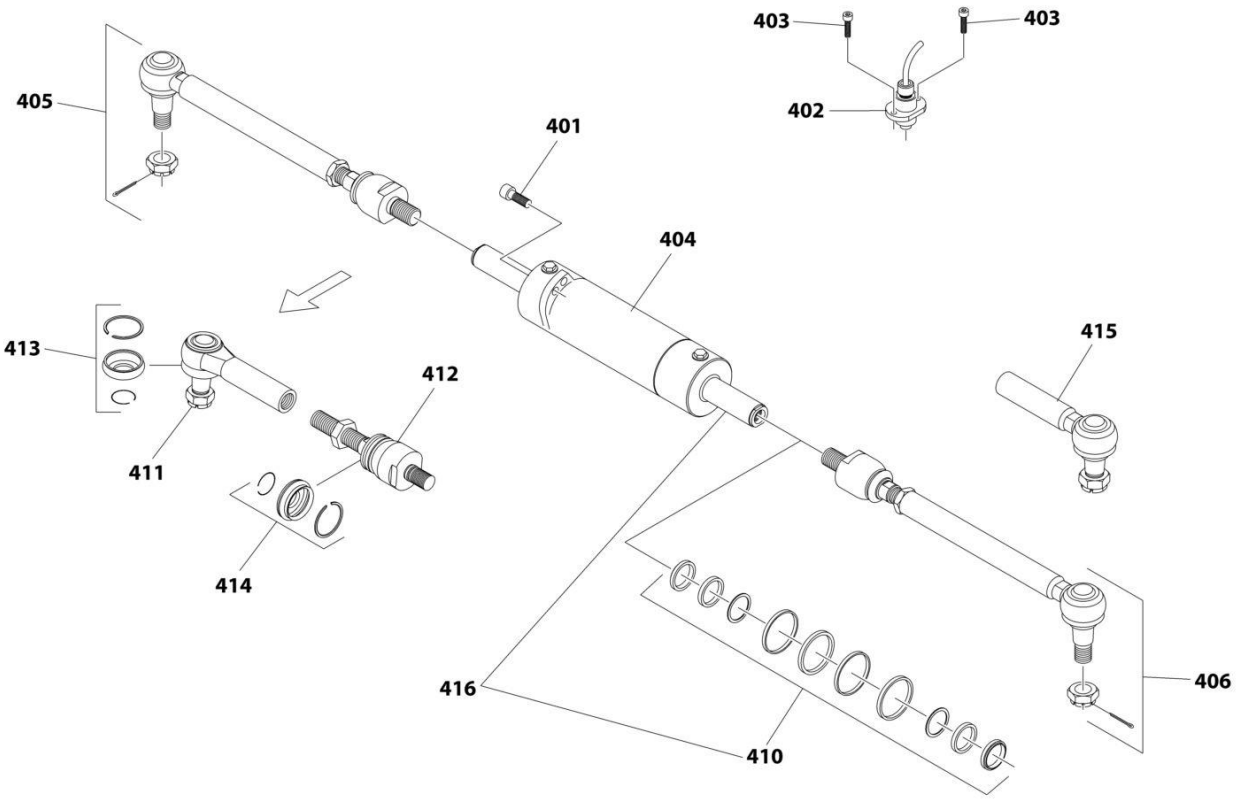
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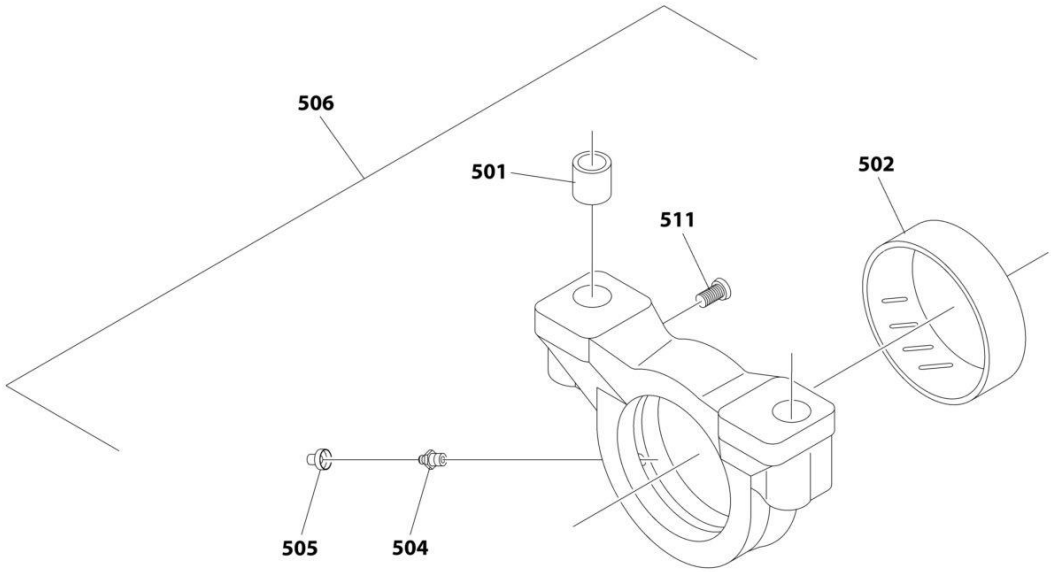

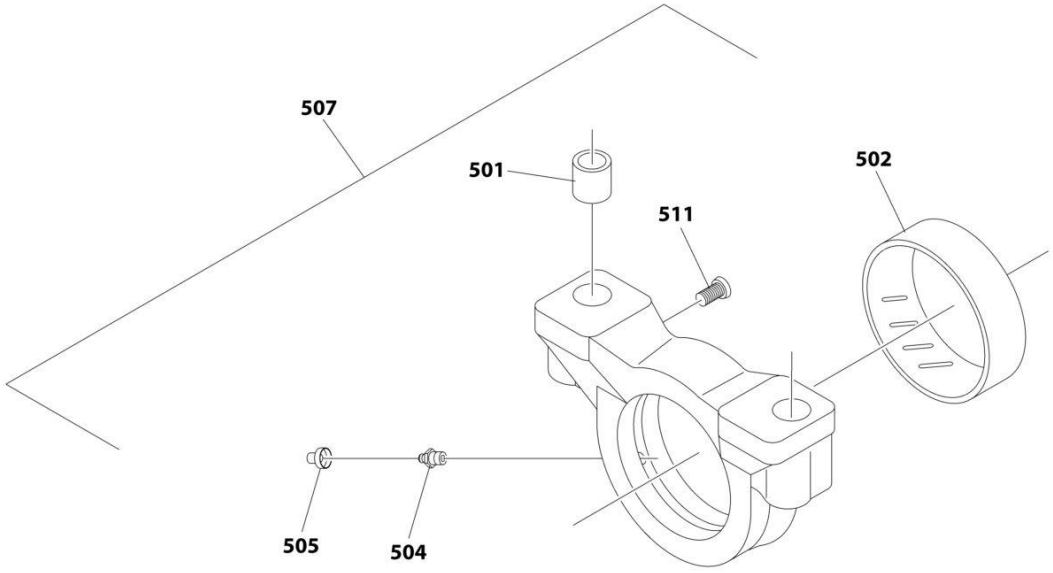

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FIGURE 5-5. REAR AXLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270170	Ref	AXLE ASSEMBLY	C
		Ref	Central Housing Assembly	
1	91474507	3	O-Ring	
2	70027107	1	Cover	
3	70026749	1	Housing	
4	91514098	1	Plug	
5	91474512	1	Plug	
7	91514188	1	Plug	
8	7028706	1	Plug	
9	80204005	1	Circlip	
16	91474591	4	Bolt	
		Ref	Differential Assembly	
101	91474529	1	O-Ring	
102	70025556	1	Shim Kit	
103	7028043	1	Gear Set	
104	70028471	2	Bearing	
105	91474547	2	Ring Nut	
107	91514134	2	Bolt	
108	70025562	12	Bolt	
109	91474593	2	Washer	
110	70025569	2	Gear, Side	
111	7029131	4	Pin	
112	91474551	4	Circlip	
113	91474553	4	Washer	
114	70025570	4	Gear, Pinion	
115	91474595	1	Carrier	
116	3968141	2	Bearing	
117	70025555	1	Shim Kit	
118	91474539	1	Spacer	
119	91474533	1	Ring Nut	
120	70024522	1	Seal	
121	91474531	1	Cover	
122	7029427	1	Flange	
123	70026631	1	Nut	
124	91474550	4	Circlip	
125	70021140	1	Differential Sub-Assembly (Includes Items 109-115 & 124)	
		Ref	Hub Reduction Assembly	
201	70027108	2	Case, Axle	
202	2400600	2	Bolt	
203	91514082	2	Nut	
206	7029428	28	Bolt	
207	80204071	2	Circlip	
208	80204005	2	Circlip	
209	91514146	2	Bearing	
210	91514147	2	Seal	
211	91514148	2	O-Ring	
212	70030992	2	Bushing Kit (Includes Bushing & Items 208-211)	
213	70029869	2	Joint, Universal	
214	8007771	2	Seal	
215	8004468	2	Bushing	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
216	70025562	12	Bolt	
217	80204117	4	Plug	
218	70024881	2	Grease Fitting	
219	70025567	2	Pivot (Includes Item 218)	
220	70028536	1	Shim Kit	
221	2401043	2	Seal	
223	70020173	2	Bushing	
224	2401258	2	Seal	
225	8006605	2	Pivot Kit (Includes Pivot and Items 221 & 224)	
226	80204065	4	Nut	
227	7028733	4	Bolt	
230	7028706	2	Plug	
231	91514188	4	Plug	
233	7029430	2	Seal	
234	70030251	4	Bearing	
235	70028537	2	Hub	
236	91474579	2	Circlip	
237	91474580	2	Ring Gear	
238	3983720	2	Support, Ring Gear	
239	3983731	2	Plate, Locking	
240	91474585	8	Circlip	
241	70028473	8	Gear, Planet	
242	70028474	8	Bearing	
243	70026821	2	Carrier, Planet Gear	
246	91514189	4	Bolt	
247	91474584	16	Nut	
248	70027315	16	Stud	
249	91474507	2	O-Ring	
251	70030365	16	Wheel Stud	
252	70026827	2	Planet Gear Carrier Kit (Includes Housing and Items 240-243)	
256	70025819	8	Stud	
258	70027320	8	Nut	
260	7028115	2	Grease Fitting	
262	70030274	1	Case, Steer (LH) (Includes Item 215)	
263	70030264	1	Case, Steer (RH) (Includes Item 215)	
264	70028733	4	Bolt Kit (Includes Items 226 & 227)	
266	7029432	2	Ring Gear Kit (Includes Items 236-238)	
270	70030933	2	Joint Cross	
271	70030994	1	Center, Joint	
272	70027114	8	Planet Gear Kit (Includes Items 241 & 242)	
274	70028392	2	Cover	
		Ref	Brake Assembly	
301	91474568	6	Disc	
302	7029786	6	Bolt, Adjusting	
303	70027317	6	Spring	
305	3984425	6	Spring	
307	70025821	2	O-Ring	
308	91514154	2	Plug	
309	70025822	2	O-Ring	
310	70025823	8	Disc, Intermediate Brake	
311	2960243	2	Bolt, Bleeding	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
312	80204117	2	Plug	
313	70021613	2	Bolt	
314	70027316	2	Brakes Piston Kit (Includes Items 303-305, 307 & 309)	
		Ref	Steering Assembly	
401	91474522	4	Bolt	
402	70031002	1	Sensor	
403	8008175	2	Bolt	
404	70031000	1	Cylinder	
405	70026819	1	Tie Rod (RH)	
406	70026820	1	Tie Rod (LH)	
410	70031001	1	Seal Kit Less Rod (Includes Seals Only)	
411	70028907	1	Joint, 90 Degree (RH)	
412	70028476	2	Joint, Axial (1 Per Side)	
413	70028477	2	Rubber Boot & Locking Ring Kit (1 Per Side)	
414	70028468	2	Rubber Boot & Locking Ring Kit (1 Per Side)	
415	70028908	1	Joint, 90 Degree (LH)	
416	70031003	1	Seal & Rod Kit (Includes Seals & Rod)	
		Ref	Trunion Assembly	
501	91474516	4	Bushing	
502	7028082	2	Bushing	
504	91514099	2	Grease Fitting	
505	80204117	2	Plug	
506	70026630	1	Trunion Kit (Front) (Includes Trunion and Items 501,502,504,505 & 511)	
507	70026630	1	Trunion Kit (Rear) (Includes Trunion and Items 501,502,504,505 & 511)	
511	70025884	2	Bolt	

FIGURE 5-6. DRIVE SHAFTS INSTALLATION

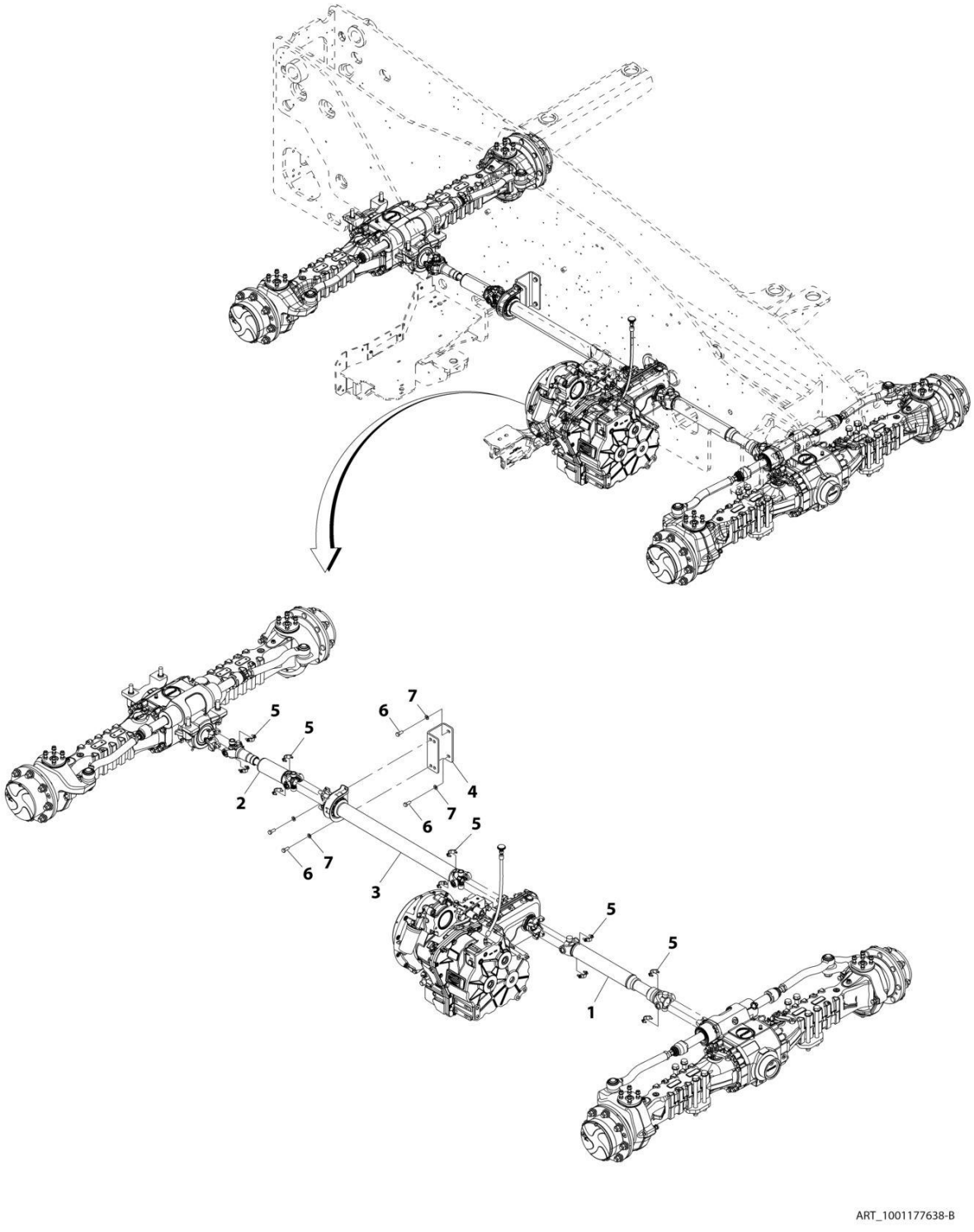

FIGURE 5-6. DRIVE SHAFTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177638	Ref	Drive Shafts Installation	B
1	1001174879	1	Shaft, Drive	
2	1001174880	1	Shaft, Drive	
3	1001174881	1	Shaft, Drive	
4	1001177870	1	Support	
5	8005079	10	Clampset	
6	0761214	4	Bolt, M12X30	
7	4812100	4	Washer, M12	

FIGURE 5-7. REMOTE GREASE SYSTEM INSTALLATION

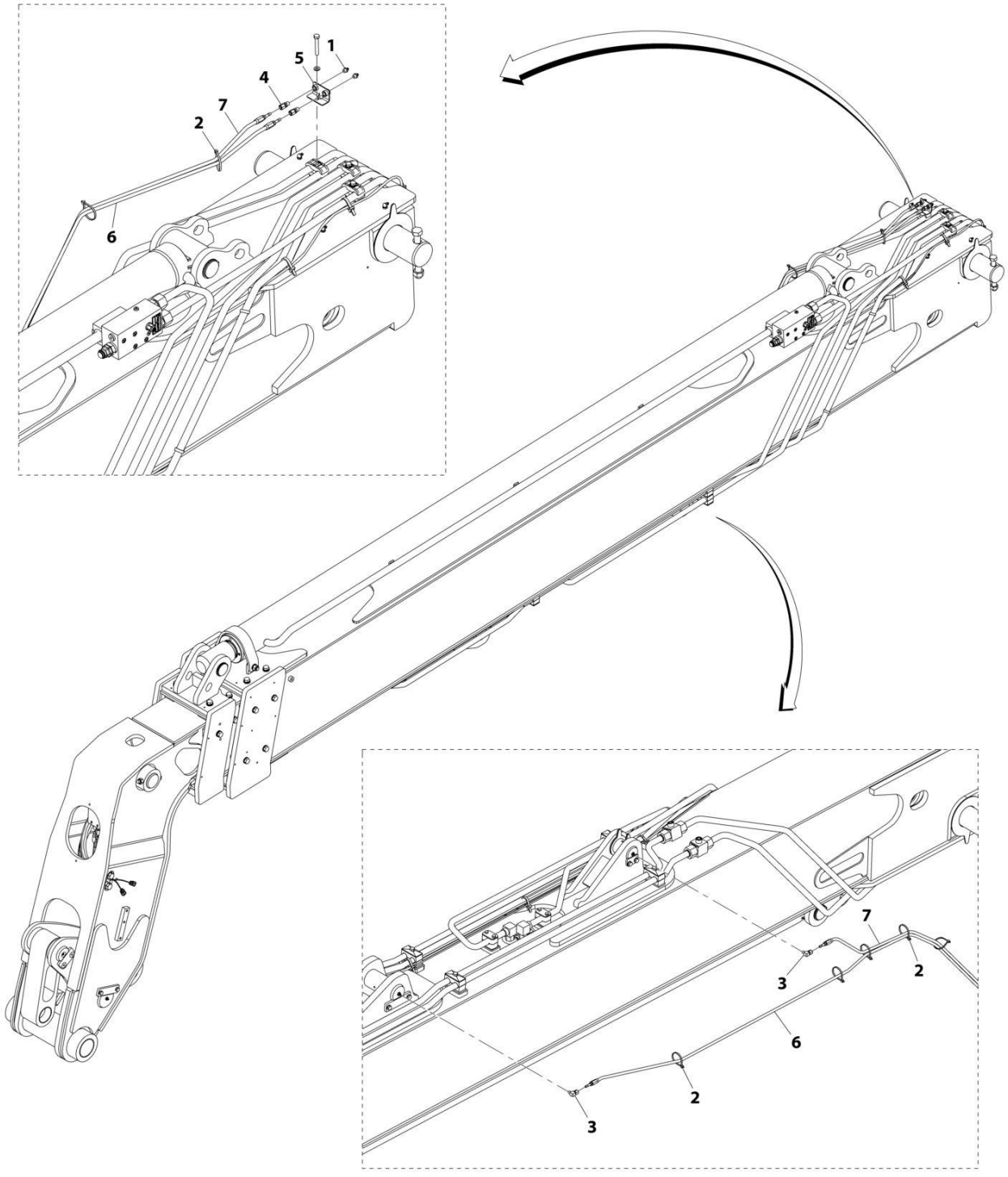

FIGURE 5-7. REMOTE GREASE SYSTEM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210417	Ref	REMOTE GREASE SYSTEM INSTALLATION	D
1	2160016	1	Fitting, Grease	
2	1001008559	7	Strap, Cable	
3	1001164053	2	Adapter, 90 Grease	
4	1001101563	2	Adapter, Straight Grease	
5	1001227653	1	Bracket	
6	1001210431	1	Hose, Grease	
7	1001210432	1	Hose, Grease	

FIGURE 5-8. AXLE SHIM INSTALLATION

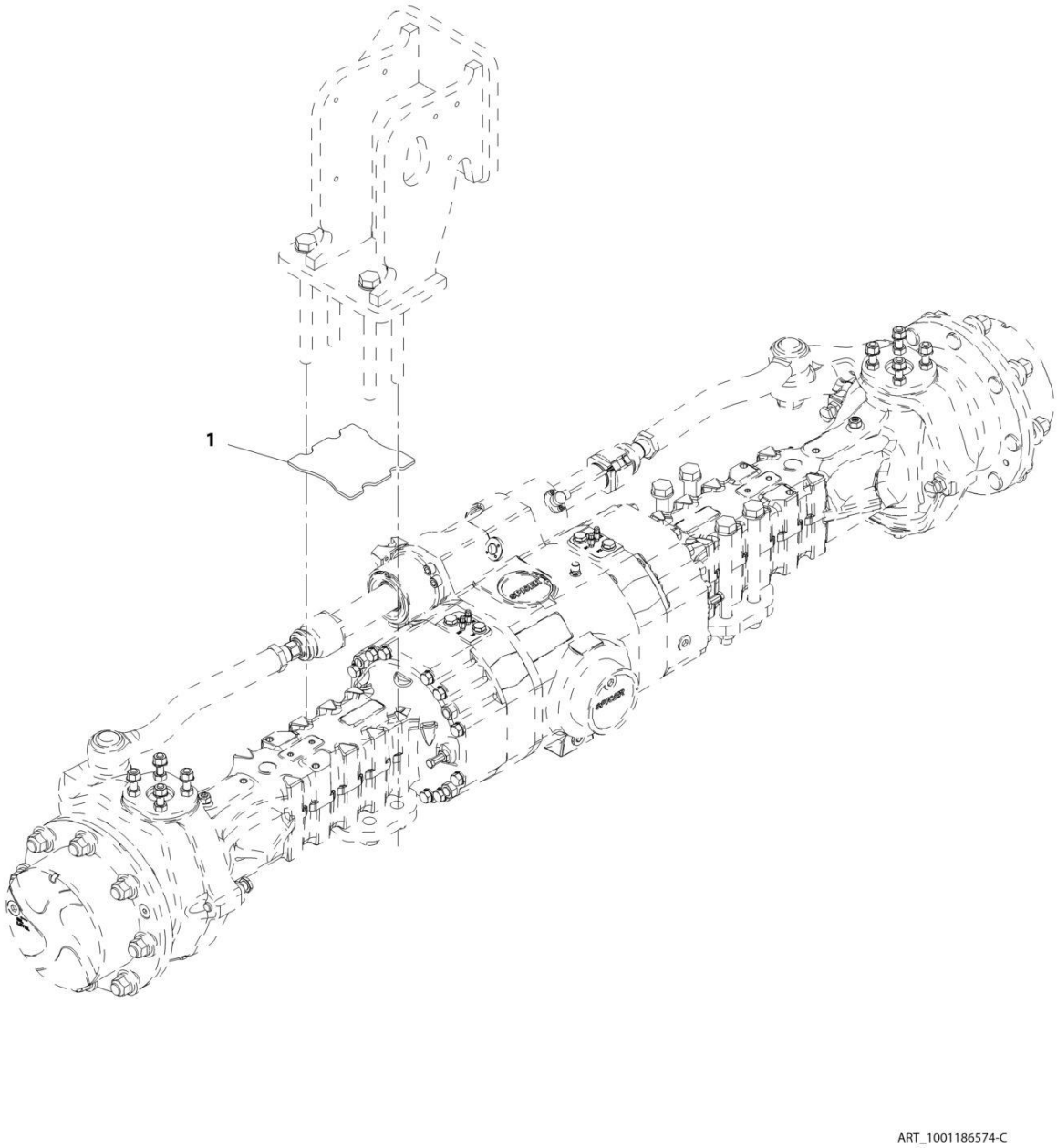

FIGURE 5-8. AXLE SHIM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186574	Ref	Axle Shim Installation (24IN Wheel)	C
1	1001190541	1	Plate, Axle Shim	

FIGURE 5-9. TRANSMISSION INSTALLATION (6 SPD - 90KW)

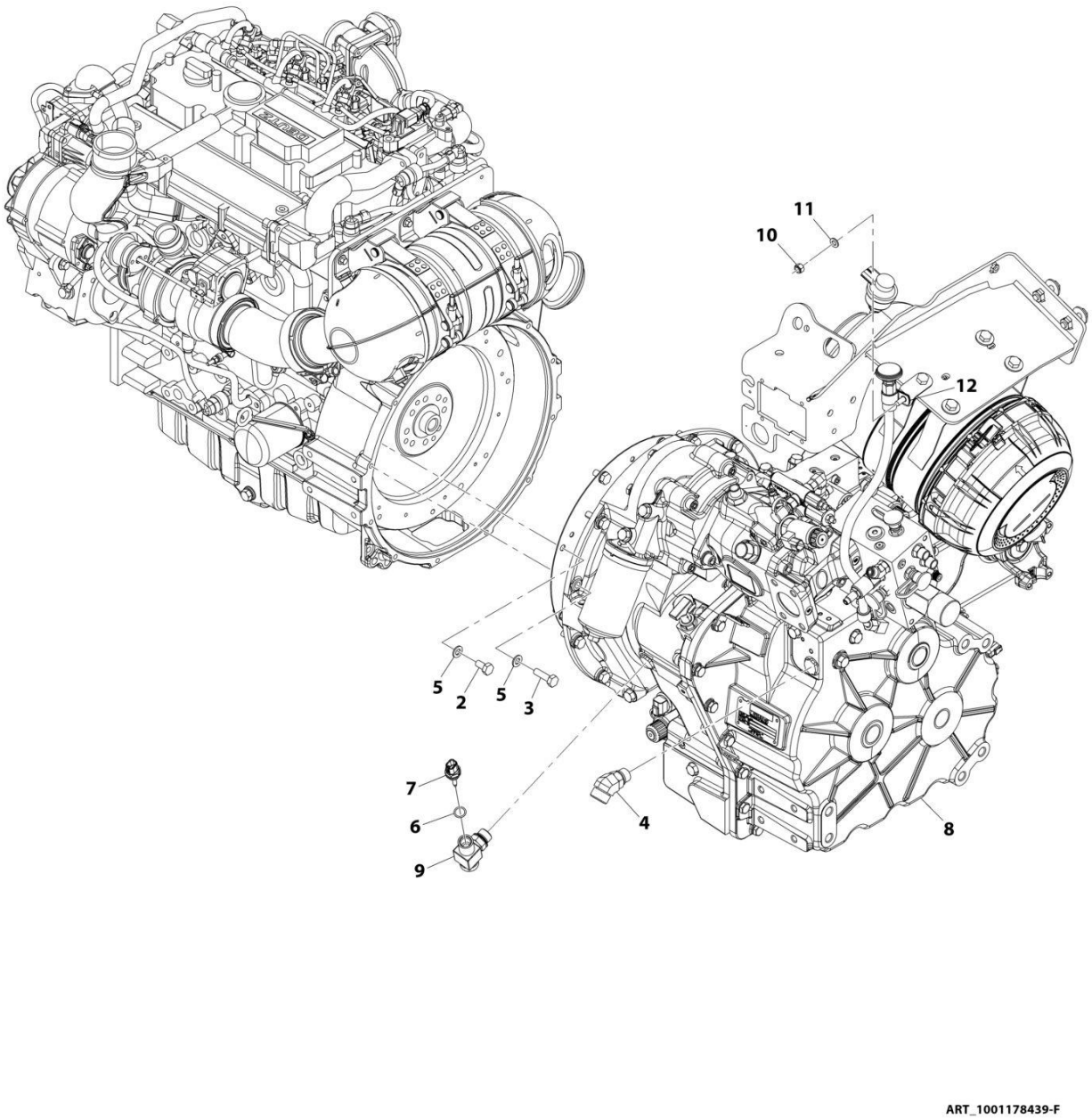

FIGURE 5-9. TRANSMISSION INSTALLATION (6 SPD - 90KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178439	Ref	TRANSMISSION INSTALLATION (6 SPD)	F
2	0761010	8	Bolt M10 x 20	
3	0761015	10	Bolt M10 x 35	
4	2151210	1	Fitting, 45 ORFS	
5	4812000	18	Washer M10	
6	1001009163	1	O-Ring	
7	1001128478	1	Sensor, Temperature	
8	1001177851	1	Transmission (6 SPD - DTZ - 90KW) (See Separate Breakdown in this Section)	
9	1001219182	1	Adapter, ORFS	
10	3290805	1	Nut, Lock M8 x 1.25	
11	4811900	1	Washer M8	
12	91043147	1	Clamp	

FIGURE 5-10. TRANSMISSION INSTALLATION (6 SPD - 97KW)

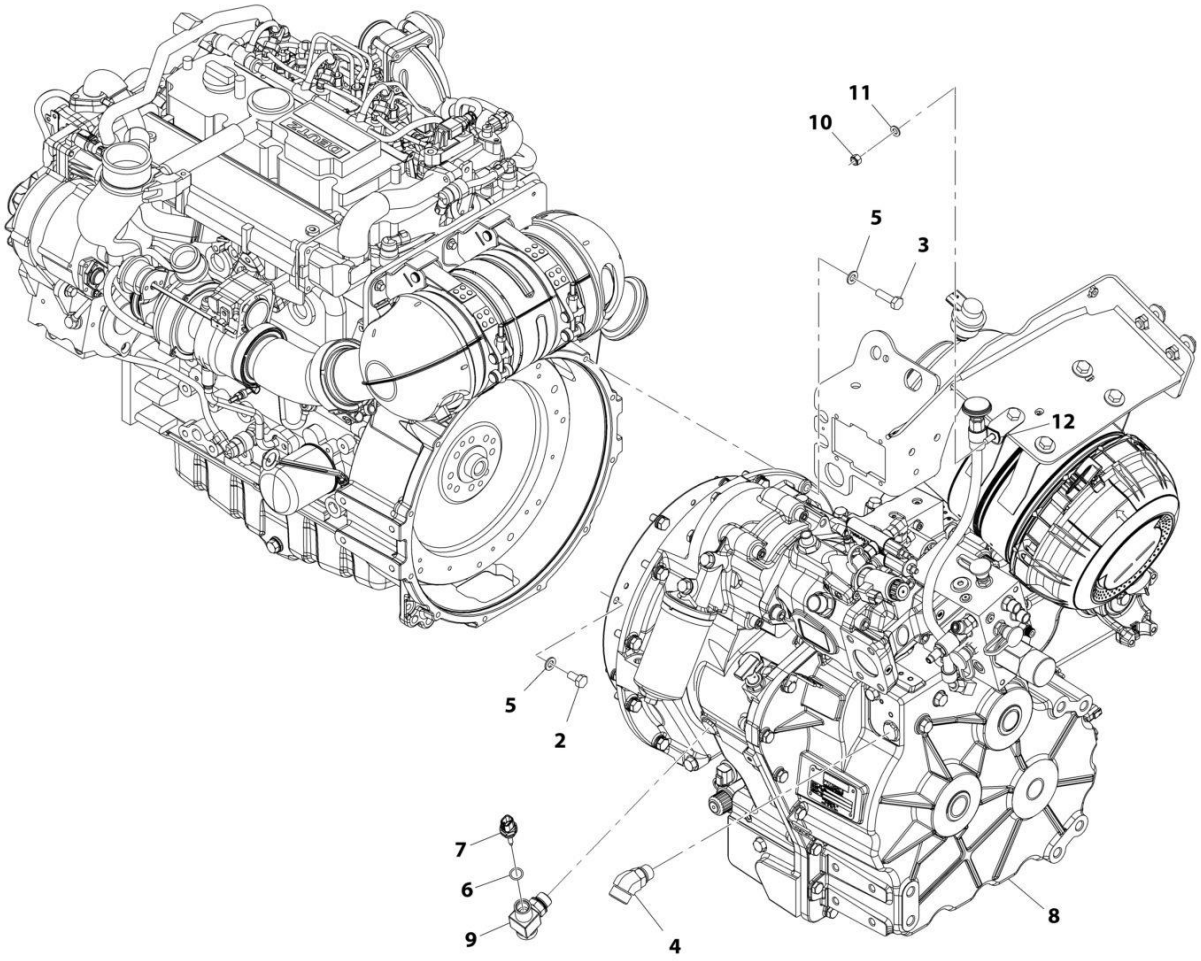

FIGURE 5-10. TRANSMISSION INSTALLATION (6 SPD - 97KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182647	Ref	TRANSMISSION INSTALLATION (6 SPD - HHP)	D
2	0761010	8	Bolt M10 x 20	
3	0761015	10	Bolt M10 x 35	
4	2151210	1	Fitting, 45 ORFS	
5	4812000	18	Washer M10	
6	1001009163	1	O-Ring	
7	1001128478	1	Sensor, Temperature	
8	1001181559	1	Transmission (6 SPD - HHP - 97KW) (See Separate Breakdown in this Section)	
9	1001219182	1	Fitting, Tee ORFS	
10	3290805	1	Nut, Lock M8 x 1.25	
11	4811900	1	Washer M8	
12	91043147	1	Clamp	

FIGURE 5-11. TRANSMISSION (6 SPD - 90KW)

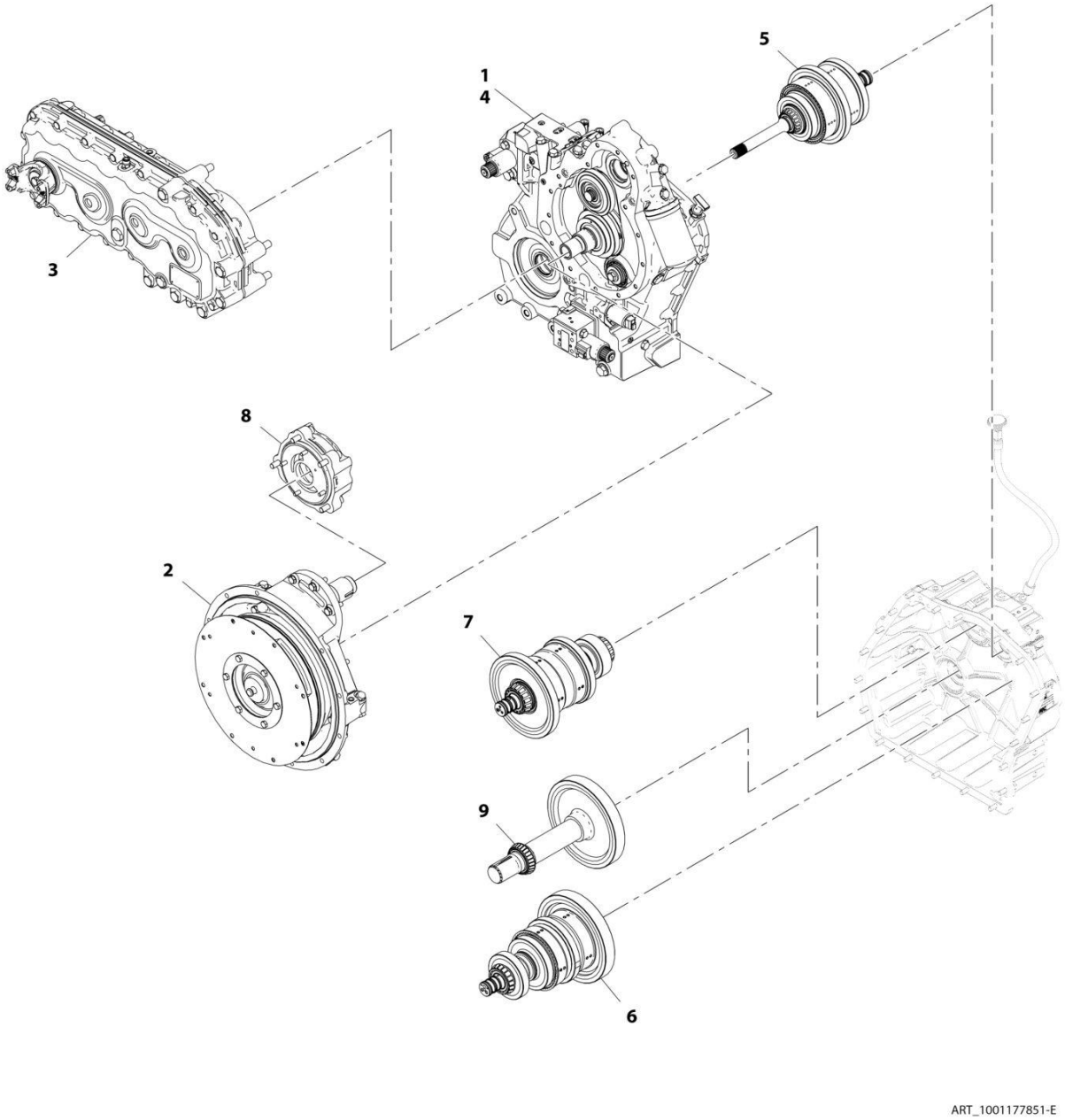

FIGURE 5-11. TRANSMISSION (6 SPD - 90KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177851	Ref	Transmission (6 SPD - 90KW)	E
1	70027723	Ref	Group, Planetary Case and Parts (See Separate Breakdown in this Section)	
2	70027721	Ref	Group, Torque Converter (See Separate Breakdown in this Section)	
3	70027725	Ref	Group, Transfer Gear and Case (See Separate Breakdown in this Section)	
4	70027720	Ref	Group, Transmission Hydraulic Control (See Separate Breakdown in this Section)	
5	70027717	Ref	Group, Input Shaft (See Separate Breakdown in this Section)	
6	70027718	Ref	Group, Transmission Clutch (See Separate Breakdown in this Section)	
7	70027715	Ref	Group, Clutch and Gear (See Separate Breakdown in this Section)	
8	70027719	Ref	Group, Transmission Pump (See Separate Breakdown in this Section)	
9	70027716	Ref	Group, Output Shaft (See Separate Breakdown in this Section)	

FIGURE 5-12. TRANSMISSION (6 SPD - HHP - 97KW)

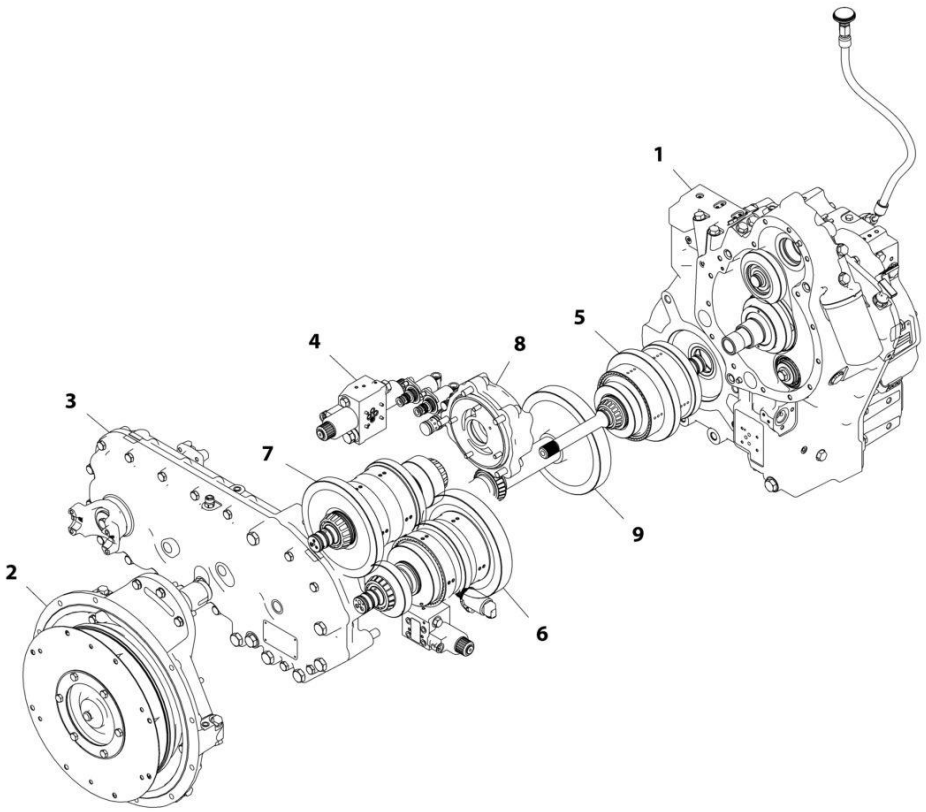

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FIGURE 5-12. TRANSMISSION (6 SPD - HHP - 97KW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181559	Ref	Transmission (6 SPD - HHP - 97KW)	D
1	70027723	Ref	Group, Planetary Case and Parts (See Separate Breakdown in this Section)	
2	70027724	Ref	Group, Torque Converter (See Separate Breakdown in this Section)	
3	70027725	Ref	Group, Transfer Gear and Case (See Separate Breakdown in this Section)	
4	70027720	Ref	Group, Transmission Hydraulic Control (See Separate Breakdown in this Section)	
5	70027717	Ref	Group, Input Shaft (See Separate Breakdown in this Section)	
6	70027718	Ref	Group, Transmission Clutch (See Separate Breakdown in this Section)	
7	70027715	Ref	Group, Clutch and Gear (See Separate Breakdown in this Section)	
8	70027719	Ref	Group, Transmission Pump (See Separate Breakdown in this Section)	
9	70027716	Ref	Group, Output Shaft (See Separate Breakdown in this Section)	

FIGURE 5-13. PLANETARY CASE AND PARTS GROUP

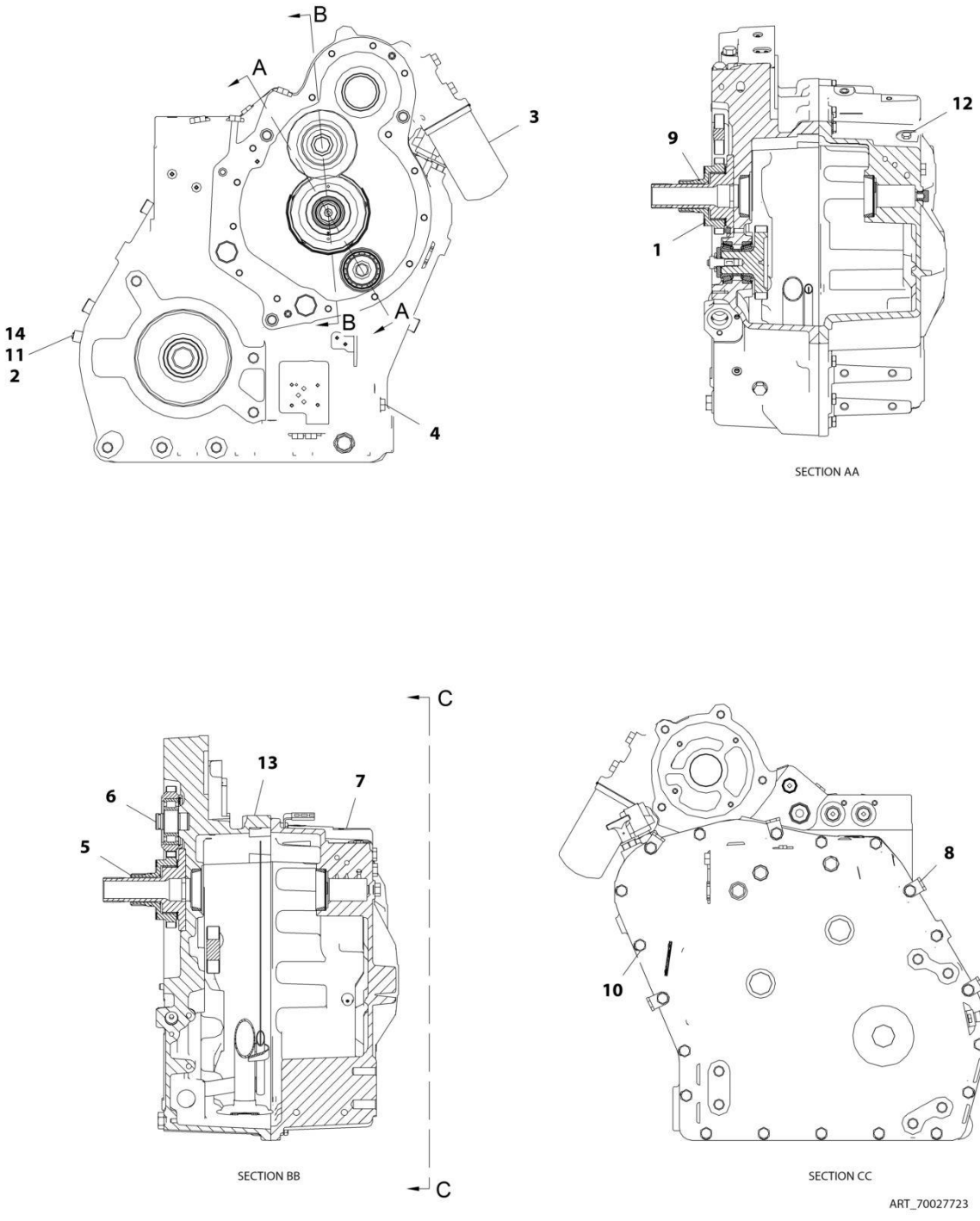

FIGURE 5-13. PLANETARY CASE AND PARTS GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027723	Ref	Planetary Case and Parts Group	
1	70025511	2	Washer, Thrust	
2	70025526	1	Sensor, Speed (See Separate Breakdown in this Section)	
3	70025453	1	Filter, Transmission	
4	70027663	1	Assembly, Plug	
	70025525	1	O-Ring	
	70025524	1	Plug	
5	70027341	1	Assembly, Gear	
6	70027707	1	Gear, Idler (See Separate Breakdown in this Section)	
7	70027711	1	Case, Rear Transmission (See Separate Breakdown in this Section)	
8	70027331	5	Clip	
9	70025512	1	O-Ring	
10	70025514	20	Bolt	
11	70025528	1	Bolt	
12	70025529	1	Plug	
13	70027714	1	Case, Planetary (See Separate Breakdown in this Section)	
14	70025527	1	O-Ring	

FIGURE 5-14. TORQUE CONVERTER GROUP

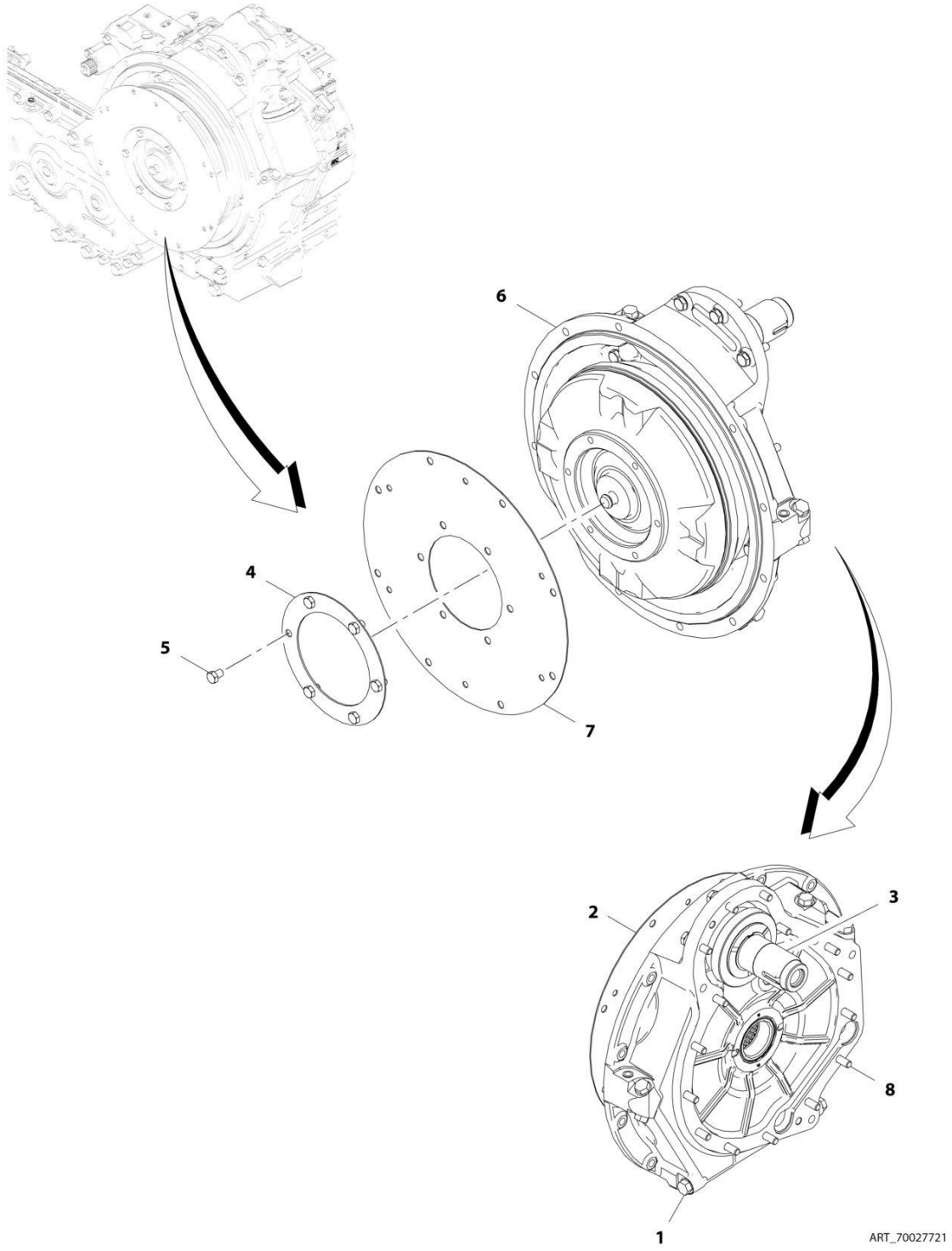

FIGURE 5-14. TORQUE CONVERTER GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027721	Ref	Torque Converter Group	
1	70027663	7	Assembly, Plug	
	70025525	1	O-Ring	
	70025524	1	Plug	
2	70027666	1	Assembly, Torque Converter	
	70027676	1	Bearing	
	70025383	1	Seal	
	70025382	2	Pin	
	70027345	1	Converter	
3	70027667	1	Assembly, Shaft	
	70025510	2	Ring, Snap	
	70025393	2	Disc, Thrust	
	70025392	1	Pump, Gear	
4	70025397	1	Plate, Converter Drive	
5	70025398	6	Screw	
6	70027382	1	Converter, Torque	
7	70027670	1	Plate, Converter Drive	
8	70027682	15	Bolt	

FIGURE 5-15. TORQUE CONVERTER GROUP

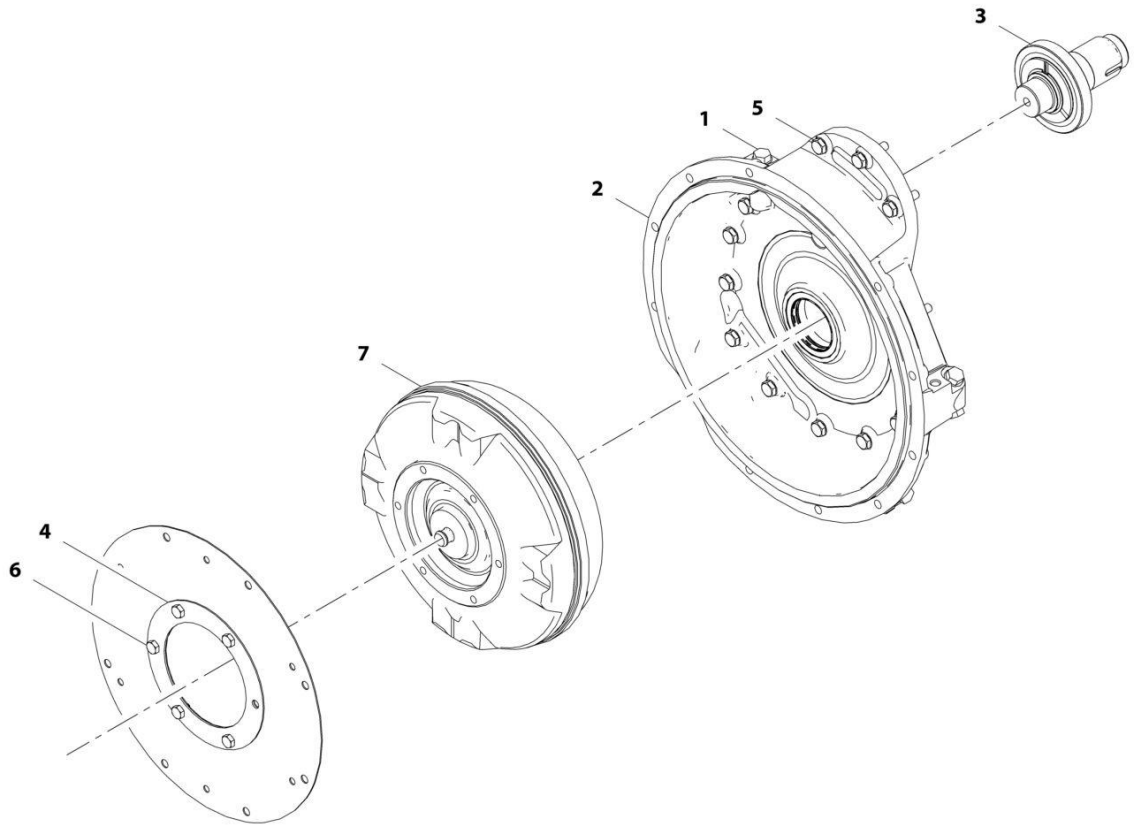

FIGURE 5-15. TORQUE CONVERTER GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027724	Ref	Torque Converter Group	
1	70027663	7	Assembly, Plug	
	70025525	1	O-Ring	
	70025524	1	Plug	
2	70027666	1	Torque Converter	
	70027676	1	Bearing	
	70025383	1	Seal	
	70025382	2	Pin	
	70027345	1	Converter	
3	70027667	1	Assembly, Shaft	
	70025510	2	Ring, Snap	
	70025393	2	Disc, Thrust	
	70025392	1	Pump, Gear	
4	70025397	1	Plate, Converter	
5	70025514	15	Bolt	
6	70025398	6	Setscrew	
7	70027383	1	Converter, Torque	

FIGURE 5-16. TRANSFER GEAR AND CASE GROUP

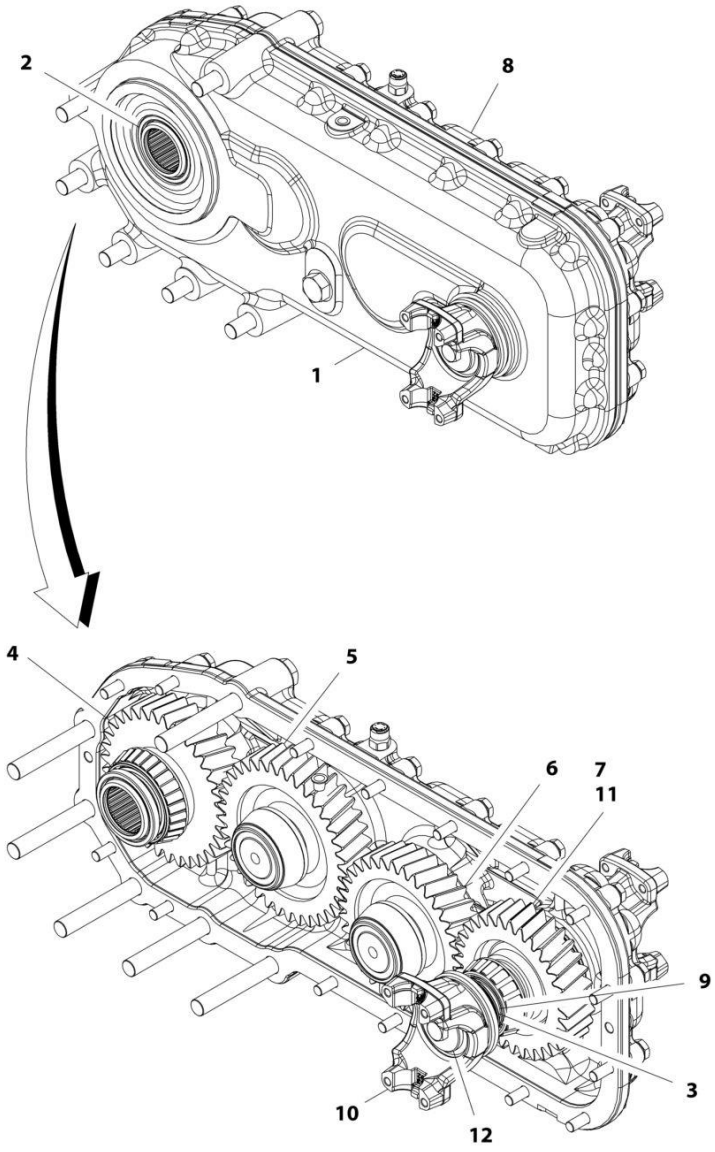

FIGURE 5-16. TRANSFER GEAR AND CASE GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027725	Ref	Group, Transfer Gear and Case	
1	70027373	1	Case, Front Transfer (See Separate Breakdown in this Section)	
2	70024642	1	Seal, Lip	
3	70027376	2	Seal, Lip	
4	70027672	1	Gear Assembly	
	70025496	2	Cone, Roller Bearing	
	70024634	1	Cone, Roller Bearing	
	70027368	1	Gear, Input	
5	70027673	1	Assembly, Idler Gear	
	70025493	2	Bearing, Cone	
	70027369	1	Idler, Gear	
6	70027674	1	Assembly, Idler Gear	
	70025493	2	Bearing, Cone	
	70027370	1	Idler, Gear	
7	70027675	1	Assembly, Output Shaft	
	70025496	2	Cone, Roller Bearing	
	70025498	2	Ring, Retaining	
	70024639	1	Shaft, Output	
	70027371	1	Gear, Output	
8	70027375	1	Case, Rear Transfer (See Separate Breakdown in this Section)	
9	70024644	2	Spacer	
10	70024645	2	Yoke	
11	70025503	2	O-Ring	
12	70025504	2	Washer	

FIGURE 5-17. TRANSMISSION HYDRAULIC CONTROL GROUP

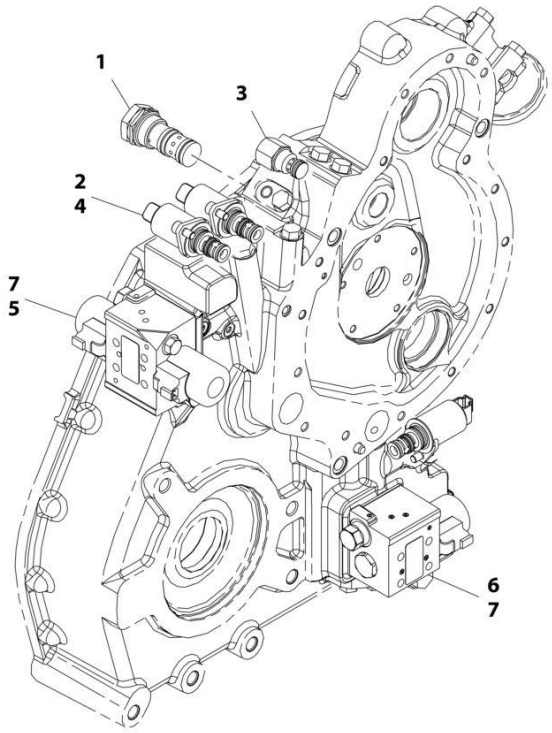

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FIGURE 5-17. TRANSMISSION HYDRAULIC CONTROL GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027720	Ref	Transmission Hydraulic Control Group	
1	70025469	1	Valve, Relief (See Separate Breakdown in this Section)	
2	70025520	3	Capscrew	
3	70025470	1	Valve, Relief	
	70027387	1	O-Ring	
	70027680	1	O-Ring	
4	70025451	3	Valve, Solenoid	
5	70027362	1	Valve, Solenoid (See Separate Breakdown in this Section)	
6	70027363	1	Valve, Solenoid (See Separate Breakdown in this Section)	
7	70027671	8	Bolt	

FIGURE 5-18. INPUT SHAFT GROUP

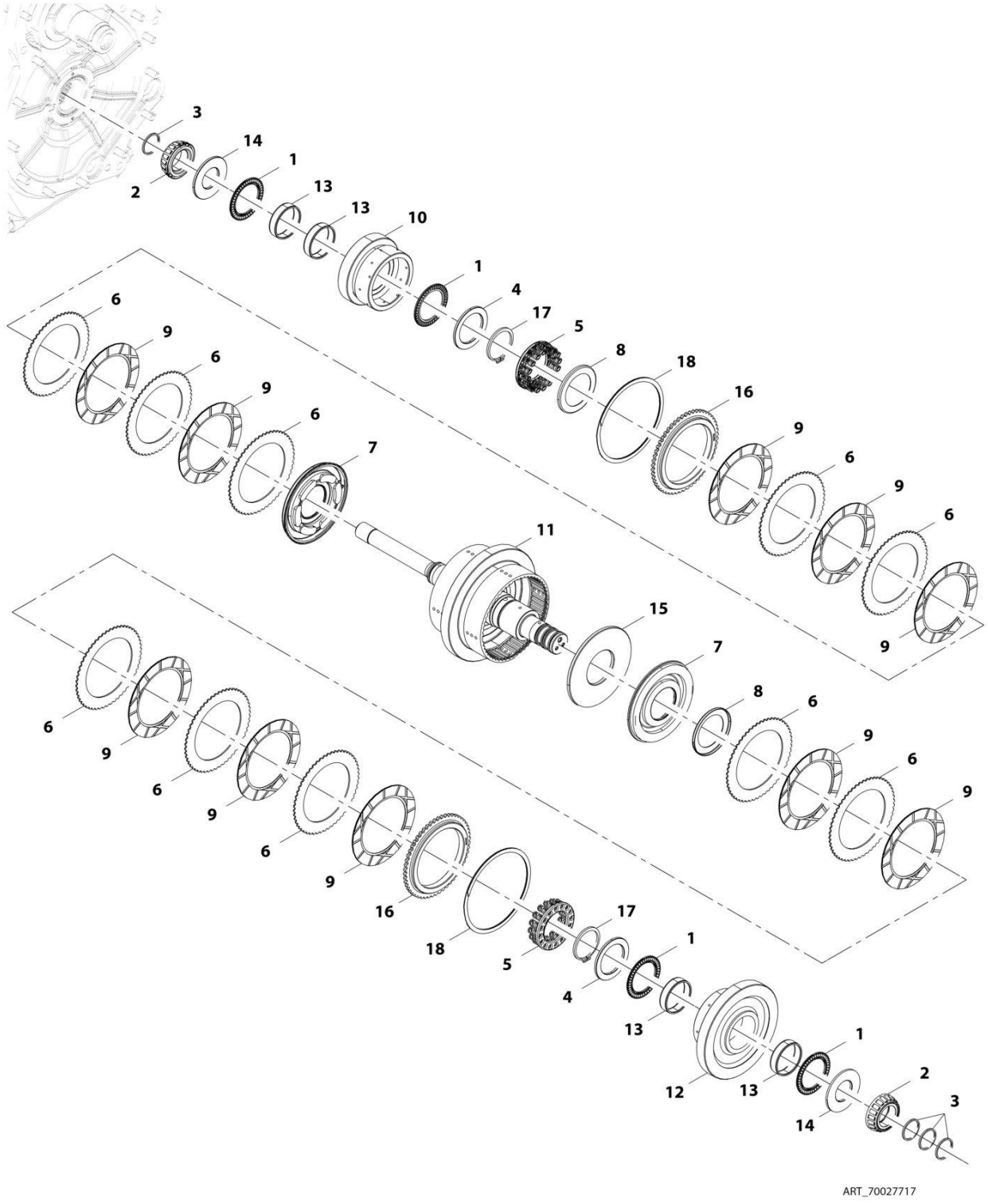


FIGURE 5-18. INPUT SHAFT GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027717	Ref	Input Shaft Group	
1	70025432	4	Bearing, Thrust	
2	70025508	2	Bearing, Roller Cone	
3	70025433	4	Ring, Sealing	
4	70025429	2	Washer, Thrust	
5	70025440	2	Assembly, Spring and Retainer	
6	70025437	10	Plate, Clutch	
7	70025438	2	Piston, Clutch	
8	70025439	2	Retainer, Spring	
9	70025448	10	Disc, Friction	
10	70025400	1	Gear	
11	70025445	1	Assembly, Plug	
	70027328	2	Plug	
	70027348	1	Plug, Orifice	
12	70025401	1	Gear	
13	70025424	4	Bearing, Needle Roller	
14	70025446	2	Washer, Thrust	
15	70025449	1	Spacer, Piston	
16	70025447	2	Plate, Retainer	
17	70025498	2	Ring, Retaining	
18	70027681	2	Ring, Retaining	

FIGURE 5-19. TRANSMISSION CLUTCH GROUP

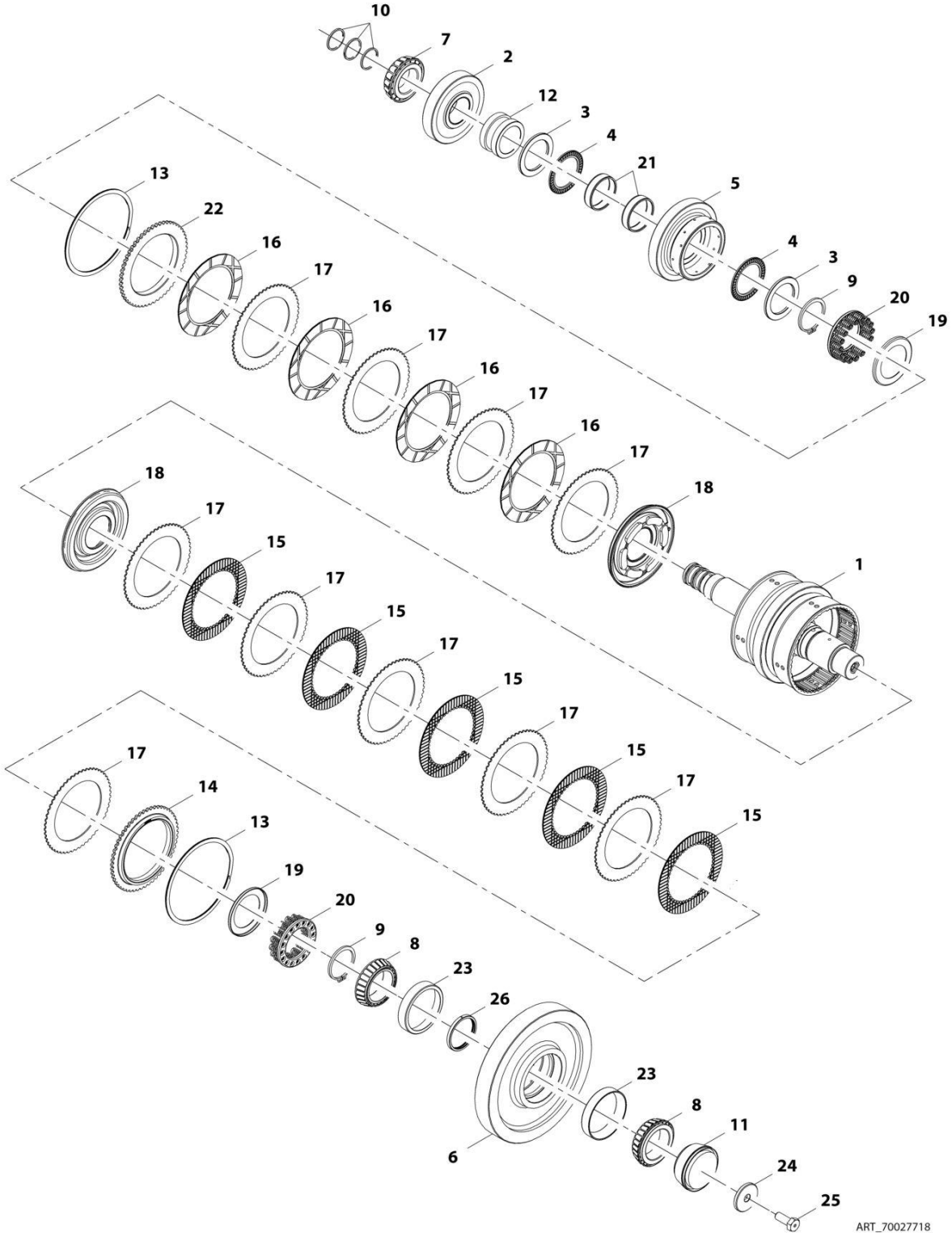


FIGURE 5-19. TRANSMISSION CLUTCH GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027718	Ref	Transmission Clutch Group	
1	70025450	1	Shaft, Forward High/3rd	
	70027339	2	Plug	
	70027344	1	Plug-Orifice	
2	70025402	1	Gear	
3	70025429	2	Washer, Thrust	
4	70025432	2	Bearing, Thrust	
5	70025403	1	Gear	
6	70025404	1	Gear	
7	70025406	1	Bearing, Cone Roller	
8	70025407	2	Bearing, Cone Roller	
9	70025498	2	Ring, Retaining	
10	70025433	3	Ring, Sealing	
11	70025493	1	Bearing, Cone Roller	
12	70025409	1	Spacer	
13	70027681	2	Ring, Retaining	
14	70025435	1	Plate, Retainer	
15	70025436	5	Disc-Friction	
16	70025448	4	Disc-Friction	
17	70025437	10	Plate, Clutch	
18	70025438	2	Piston, Clutch	
19	70025439	2	Spring, Retainer	
20	70025440	2	Assembly, Spring and Retainer	
21	70025424	2	Bearing, Needle Roller	
22	70025447	1	Plate, Retaining	
23	70025408	2	Bearing, Cup	
24	70025504	1	Washer	
25	70025442	1	Bolt	
26	70025410	AR	Spacer, 5.88-5.90	
	70025411	AR	Spacer, 5.85-5.87	
	70025412	AR	Spacer, 5.82-5.84	
	70025413	AR	Spacer, 5.79-5.81	
	70025414	AR	Spacer, 6.00-6.02	
	70025415	AR	Spacer, 5.97-5.99	
	70025416	AR	Spacer, 5.94-5.96	
	70025417	AR	Spacer, 5.91-5.93	
	70025418	AR	Spacer, 6.09-6.11	
	70025419	AR	Spacer, 6.06-6.08	
	70027358	AR	Spacer, 6.12-6.14	
	70027359	AR	Spacer, 6.15-6.17	
	70025420	AR	Spacer, 6.03-6.05	
	70027364	AR	Spacer, 6.20-6.22	
	70027365	AR	Spacer, 6.25-6.27	

FIGURE 5-20. CLUTCH AND GEAR GROUP

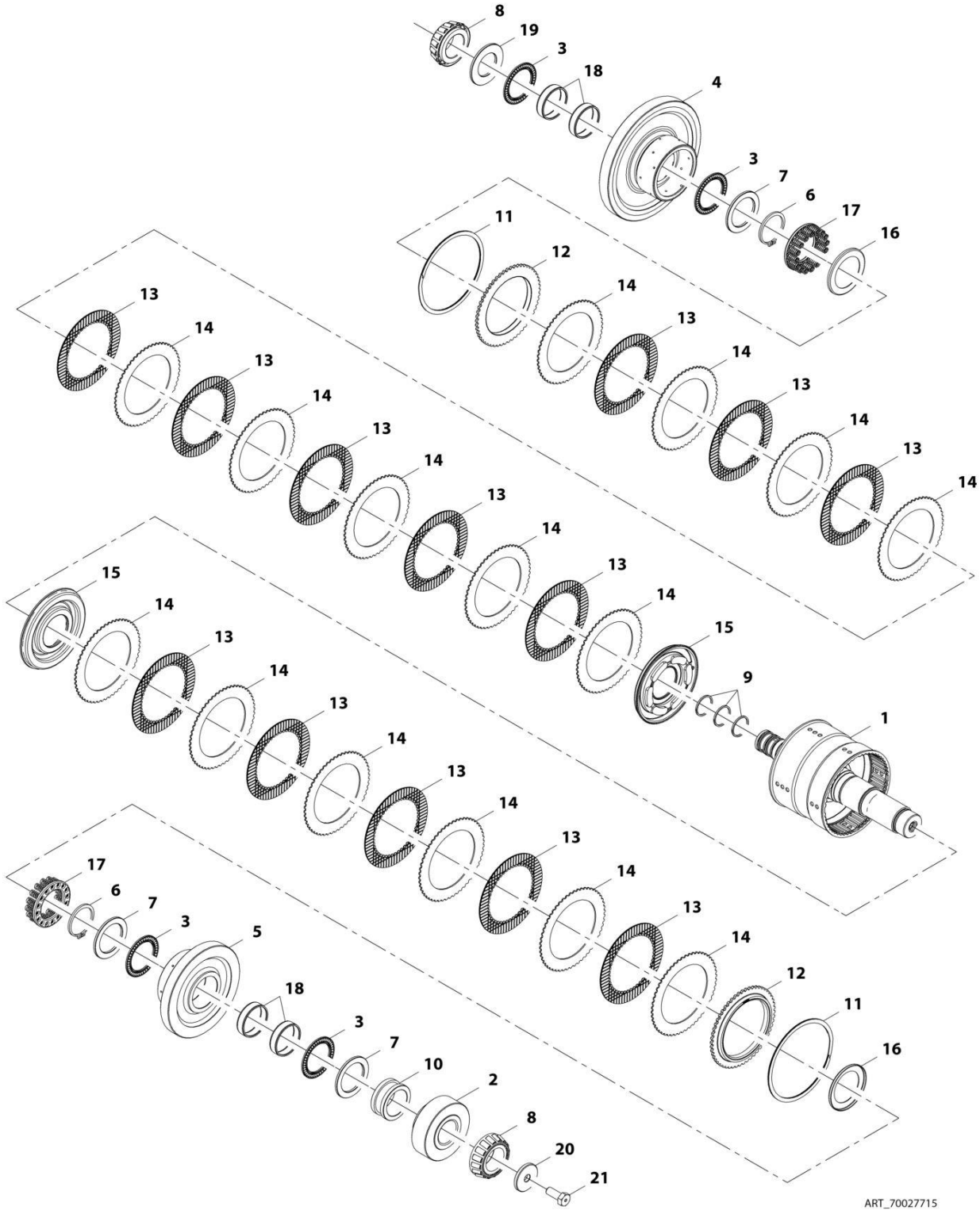


FIGURE 5-20. CLUTCH AND GEAR GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027715	Ref	Clutch and Gear Group	
1	70025431	1	Assembly, Plug	
	70027328	2	Plug	
	70027344	1	Plug, Orifice	
	70027349	1	Plug, Orifice	
2	70025423	1	Gear	
3	70025432	4	Bearing, Thrust	
4	70025425	1	Gear	
5	70025401	1	Gear	
6	70025498	2	Ring, Retaining	
7	70025429	3	Washer, Thrust	
8	70025496	2	Cone, Roller Bearing	
9	70025433	3	Ring, Sealing	
10	70025426	1	Spacer	
11	70027681	2	Ring, Retaining	
12	70025435	2	Plate, Retainer	
13	70025436	13	Disc, Friction	
14	70025437	15	Plate, Clutch	
15	70025438	2	Piston, Clutch	
16	70025439	2	Retainer, Spring	
17	70025440	2	Assembly, Spring and Retainer	
18	70025424	4	Bearing, Needle Roller	
19	70025441	1	Washer, Thrust	
20	70025504	1	Washer	
21	70025442	1	Bolt	

FIGURE 5-21. TRANSMISSION PUMP GROUP

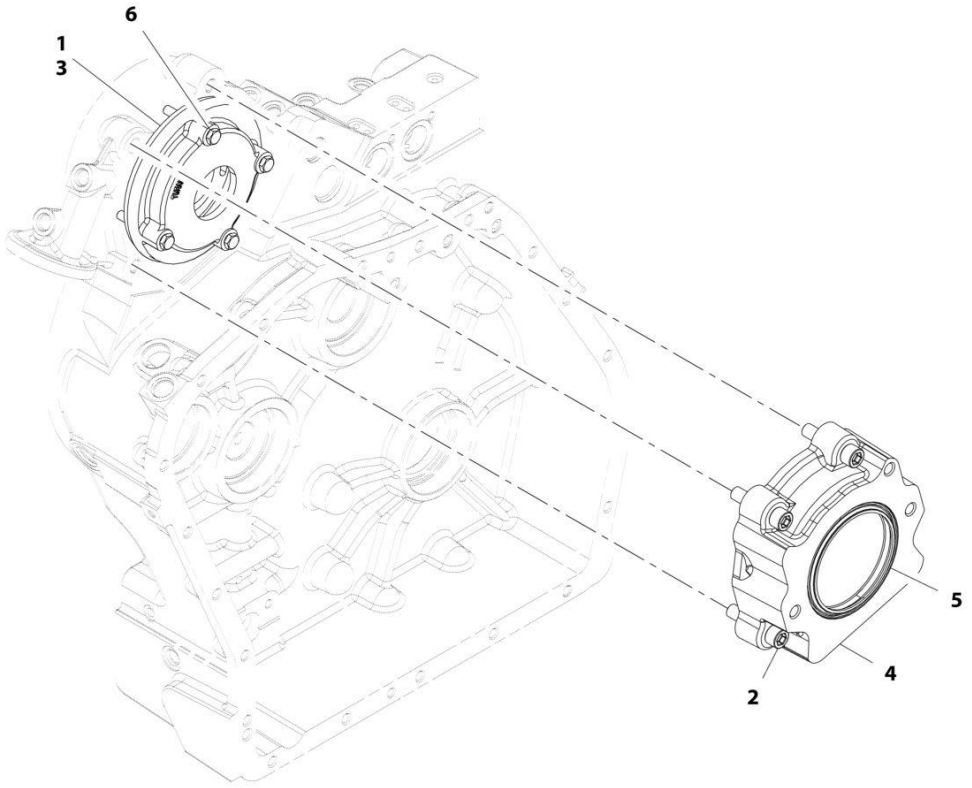
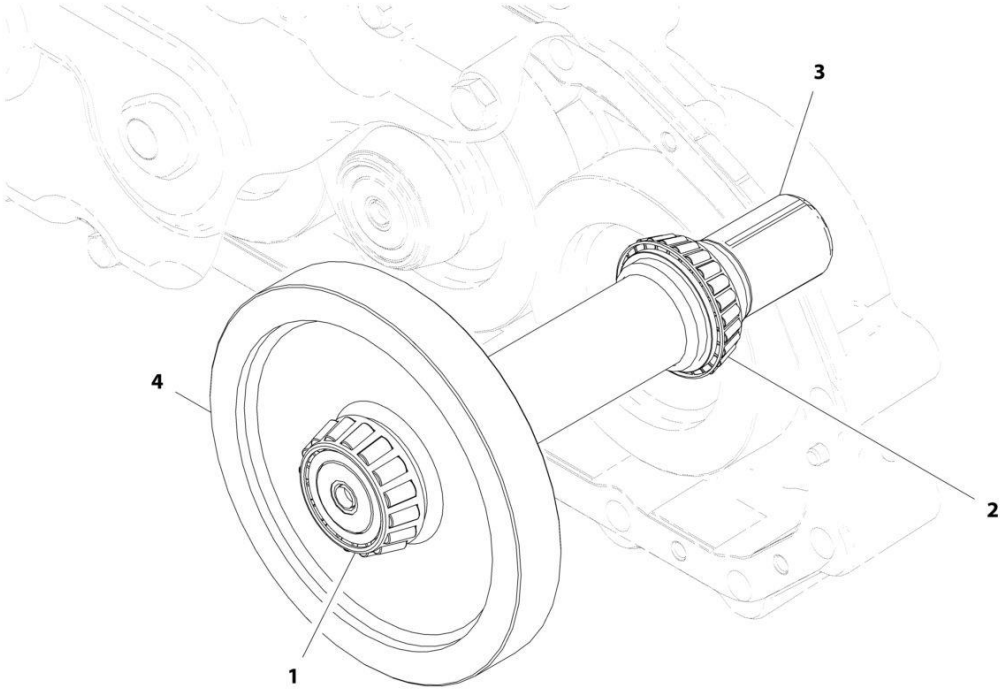


FIGURE 5-21. TRANSMISSION PUMP GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027719	Ref	Transmission Pump Group	
1	70025464	1	O-Ring	
2	70025463	4	Capscrew	
3	70025459	1	Pump, Charge	
4	70025452	1	Housing, Pump	
5	70027347	1	Plug	
6	70025522	4	Bolt	

FIGURE 5-22. OUTPUT SHAFT GROUP

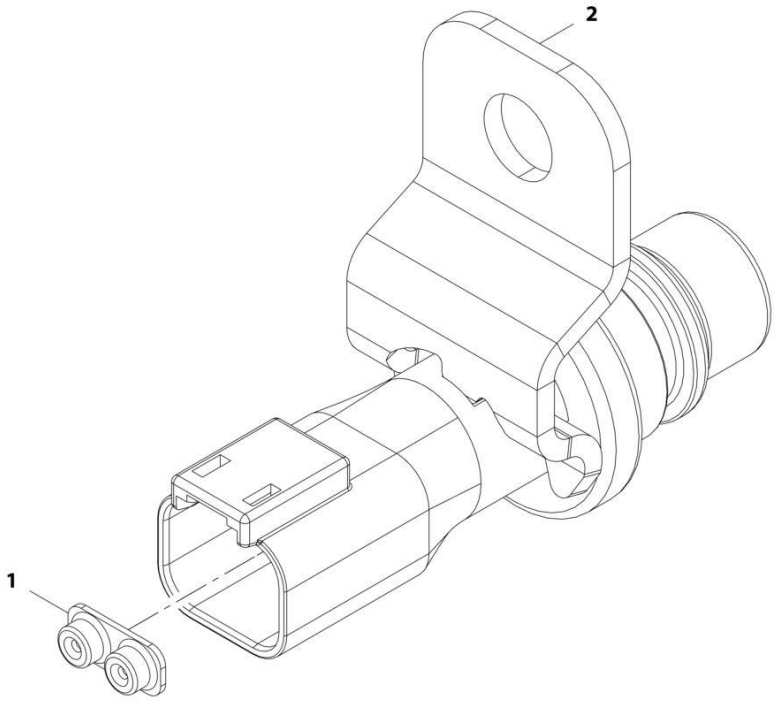


ART_70027716

FIGURE 5-22. OUTPUT SHAFT GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027716	Ref	Output Shaft Group	
1	70025496	1	Cone, Roller Bearing	
2	70025407	1	Cone, Roller Bearing	
3	70025428	1	Gear	
4	70025427	1	Shaft, Output	

FIGURE 5-23. SPEED SENSOR

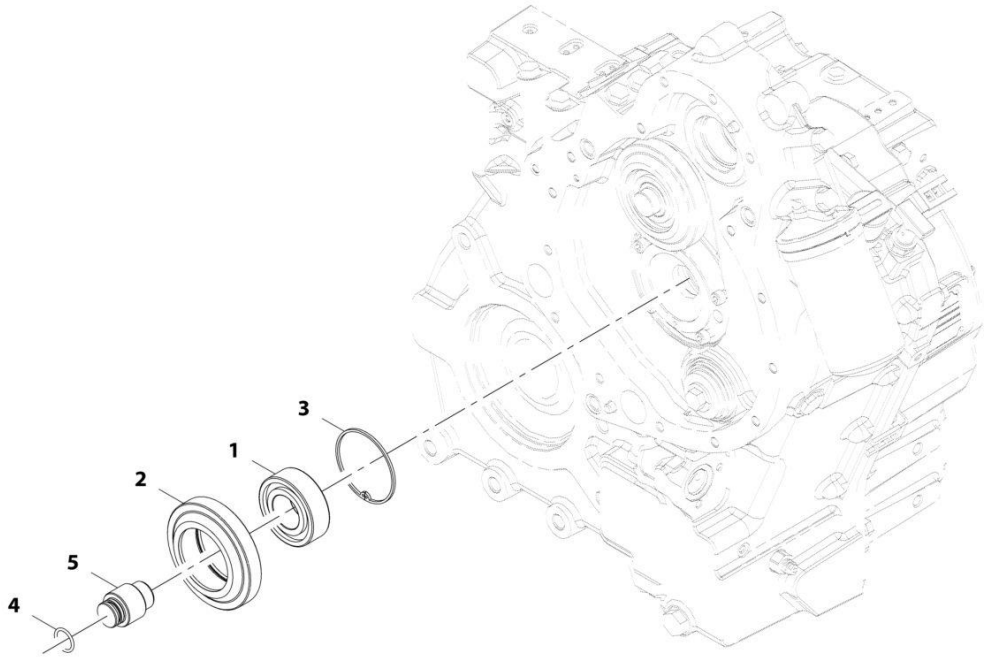


ART_70025526

FIGURE 5-23. SPEED SENSOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70025526	Ref	Speed Sensor	
1	70027332	1	Connector	
2	70027661	1	Bracket	

FIGURE 5-24. IDLER GEAR

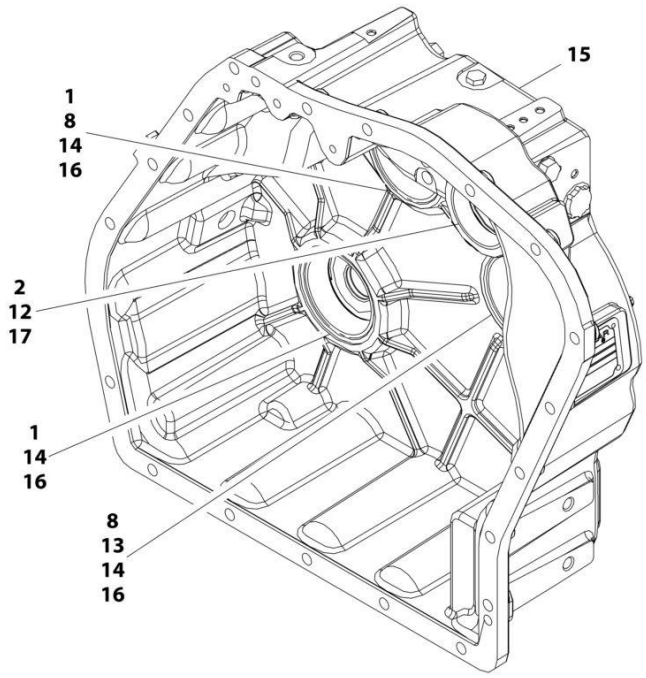


ART_70027707

FIGURE 5-24. IDLER GEAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027707	Ref	Idler Gear Group	
1	70025389	1	Bearing, Roller	
2	70025388	1	Pump, Idler Gear	
3	70025391	1	Circlip	
4	70025390	1	O-Ring	
5	70025387	1	Pump, Output Shaft	

FIGURE 5-25. REAR TRANSMISSION CASE



ART_70027711

FIGURE 5-25. REAR TRANSMISSION CASE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027711	Ref	Rear Transmission Case	
1	70025497	2	Cup, Roller Bearing	
2	70025443	AR	Shim, 0.508	
	70025444	AR	Shim, 0.381	
	70025518	AR	Shim, 0.051	
	70025515	AR	Shim, 0.178	
	70025516	AR	Shim, 0.127	
	70025517	AR	Shim, 0.076	
8	70025502	AR	Shim, 0.599	
	70025501	AR	Shim, 0.178	
	70025500	AR	Shim, 0.076	
	70025499	AR	Shim, 0.051	
12	70025509	1	Cup, Roller Bearing	
13	70025494	1	Cup, Bearing	
14	70025476	3	Cap	
15	70025430	1	Assembly, Rear Transmission Case (See Separate Breakdown in this Section)	
16	70025421	3	Shim	
17	70027350	1	Spacer	

FIGURE 5-26. PLANETARY CASE

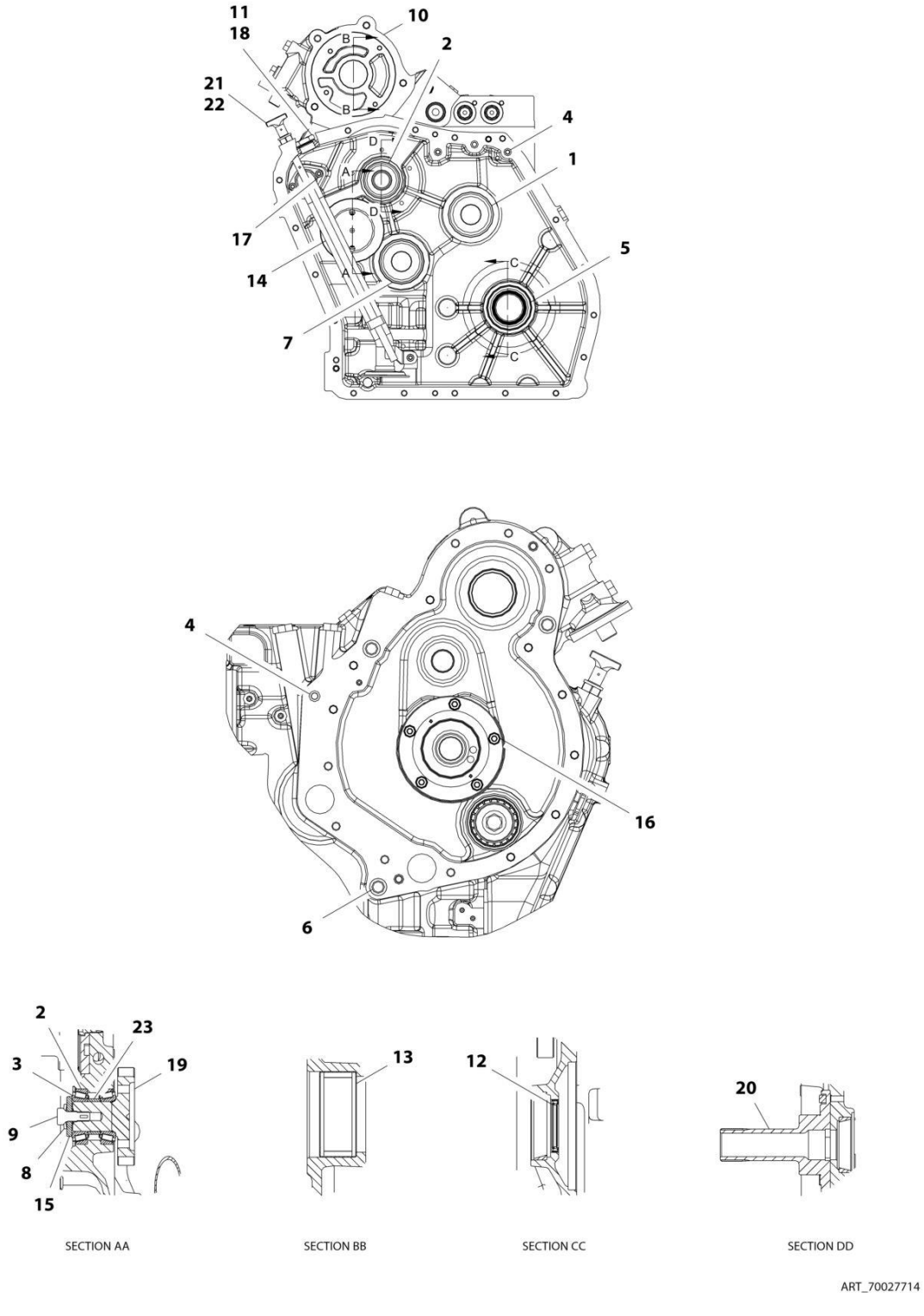
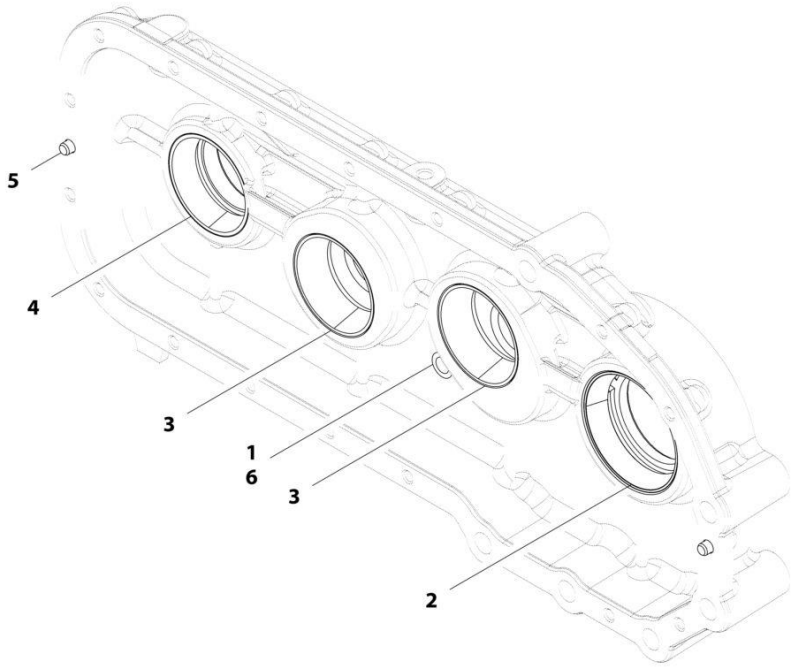


FIGURE 5-26. PLANETARY CASE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027714	Ref	Planetary Case	
1	70025497	1	Cup, Roller Bearing	
2	70025509	3	Cup, Roller Bearing	
3	70025508	1	Cone, Roller Bearing	
4	70025523	4	O-Ring	
5	70025408	1	Cup, Bearing	
6	70025468	3	O-Ring	
7	70027340	1	Bearing	
8	70025380	1	Washer, Bevel Spring	
9	70025505	1	Bolt	
10	70025467	1	Assembly, Front Transmission Case (See Separate Breakdown in this Section)	
11	70027664	1	Housing	
12	70027376	1	Seal, Lip	
13	70025360	1	Bearing, Needle Roller	
14	70027668	1	Assembly, Strainer	
	70025461	2	O-Ring	
	70025460	1	Strainer	
15	70025504	1	Washer	
16	70025513	5	Capscrew	
17	70025520	3	Capscrew	
18	70025472	1	Washer	
19	70027665	1	Shaft, Idler	
	70025508	1	Cone, Bearing	
	70025361	1	Gear, Reverse Idler	
20	70025394	1	Support	
	70025382	2	Pin	
21	70025465	1	Dipstick	
22	70025462	1	Assembly, Dipstick Tube	
	70027388	1	O-Ring	
	70027346	1	Tube	
23	70025370	AR	Spacer, 15.09-15.11	
	70025376	AR	Spacer, 15.27-15.29	
	70025362	AR	Spacer, 14.85-14.87	
	70025377	AR	Spacer, 15.30-15.32	
	70025371	AR	Spacer, 15.12-15.14	
	70025372	AR	Spacer, 15.15-15.17	
	70025373	AR	Spacer, 15.18-15.20	
	70025363	AR	Spacer, 14.88-14.90	
	70025364	AR	Spacer, 14.91-14.93	
	70025365	AR	Spacer, 14.94-14.96	
	70025366	AR	Spacer, 14.97-14.99	
	70025367	AR	Spacer, 15.00-15.02	
	70025368	AR	Spacer, 15.03-15.05	
	70025369	AR	Spacer, 15.06-15.08	
	70025374	AR	Spacer, 15.21-15.23	
	70025378	AR	Spacer, 15.33-15.35	
	70025379	AR	Spacer, 15.36-15.38	
	70025375	AR	Spacer, 15.24-15.26	

FIGURE 5-27. FRONT TRANSFER CASE



ART_70027373

FIGURE 5-27. FRONT TRANSFER CASE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027373	Ref	Front Transfer Case	
1	70025506	1	Plug	
2	70024635	1	Cup, Roller Bearing	
3	70025494	2	Cup, Bearing	
4	70025497	1	Cup, Roller Bearing	
5	70025495	2	Dowel	
6	70027387	1	O-Ring	

FIGURE 5-28. REAR TRANSFER CASE

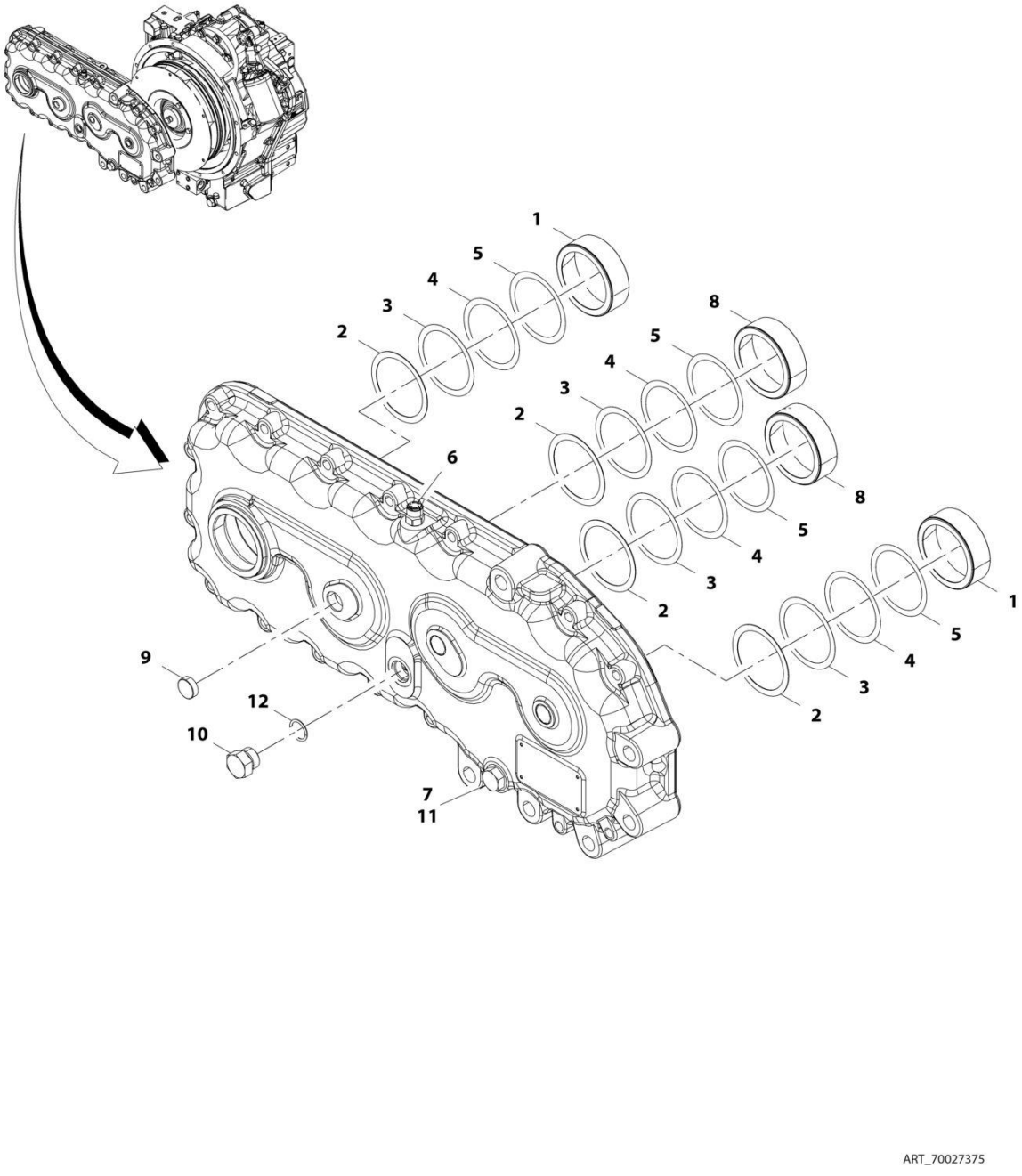
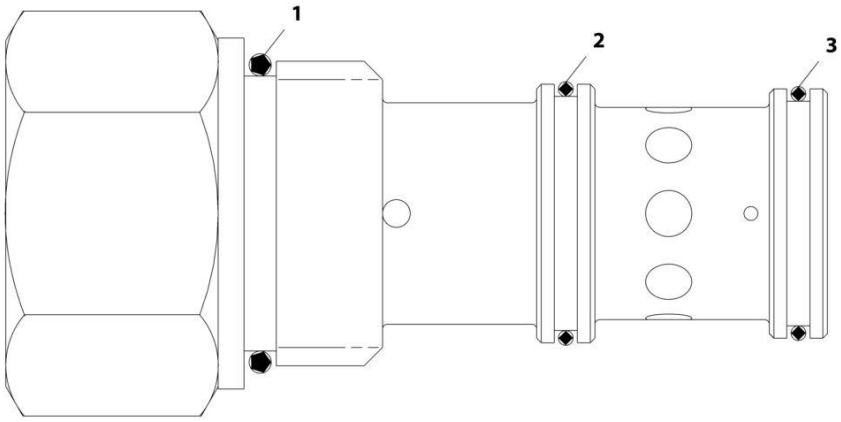


FIGURE 5-28. REAR TRANSFER CASE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027375	Ref	Rear Transfer Case	
1	70025497	2	Cup, Roller Bearing	
2	70025502	4	Shim, 0.236	
3	70025501	4	Shim, 0.007	
4	70025500	4	Shim, 0.003	
5	70025499	4	Shim, 0.002	
6	70027374	1	Breather	
7	70024646	1	Plug	
8	70025494	2	Cup, Bearing	
9	70024641	3	Cap	
10	70025506	1	Plug	
11	7022730	1	O-Ring	
12	70027387	1	O-Ring	

FIGURE 5-29. RELIEF VALVE

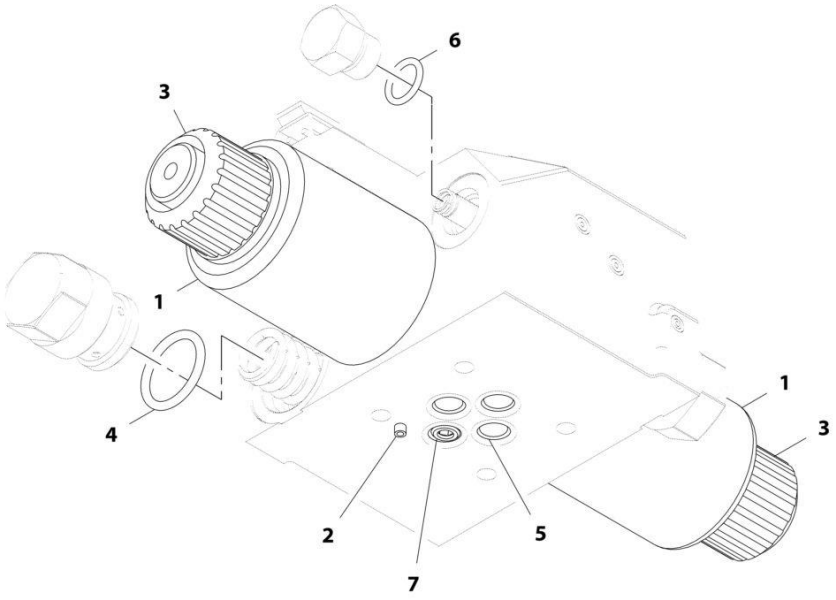


ART_70025469

FIGURE 5-29. RELIEF VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70025469	Ref	Valve, Relief	
1	70027679	1	O-Ring	
2	70027678	1	O-Ring	
3	70027660	1	O-Ring	

FIGURE 5-30. SOLENOID VALVE



ART_70027362

FIGURE 5-30. SOLENOID VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027362	Ref	Solenoid Valve	
1	70025456	2	Coil, Solenoid	
2	70027389	1	Pin	
3	70025457	2	Assembly, Solenoid	
	70027677	1	O-Ring	
	70025455	1	Nut, Self Locking	
4	70027352	2	O-Ring	
5	70025466	4	O-Ring	
6	70027353	2	O-Ring	
7	70027361	1	Plug	

FIGURE 5-31. SOLENOID VALVE

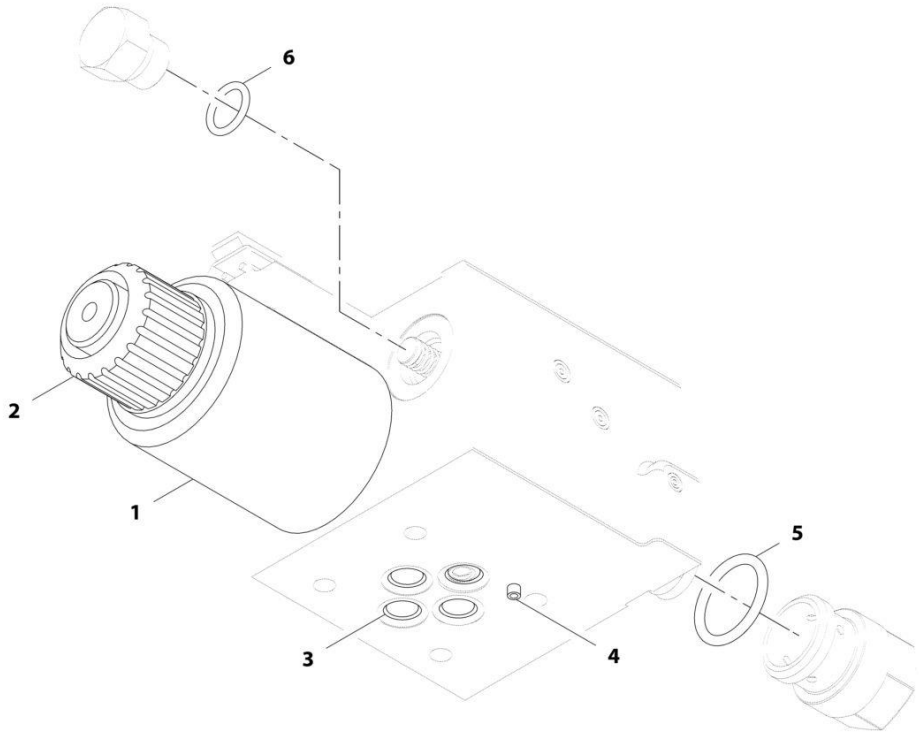


FIGURE 5-31. SOLENOID VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027363	Ref	Solenoid Valve	
1	70025456	1	Coil, Solenoid	
2	70025457	1	Tube	
	70027677	1	O-Ring	
	70025455	1	Nut, Self Locking	
3	70025466	4	O-Ring	
4	70027389	1	Pin	
5	70027352	1	O-Ring	
6	70027353	1	O-Ring	

FIGURE 5-32. FRONT TRANSMISSION CASE ASSEMBLY

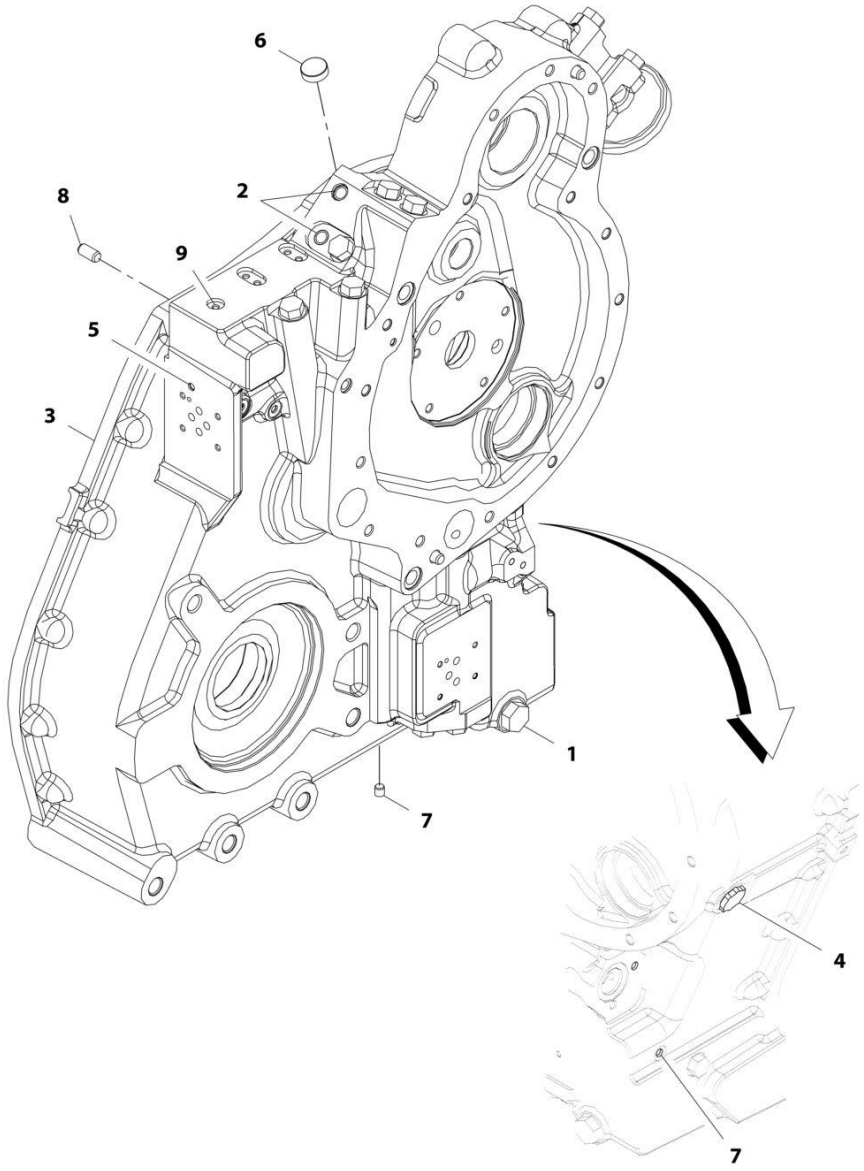
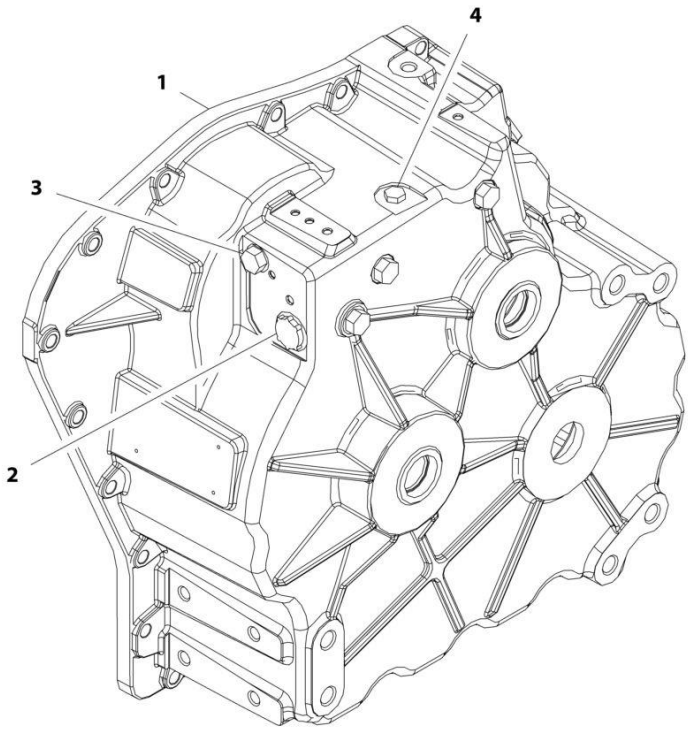


FIGURE 5-32. FRONT TRANSMISSION CASE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70025467	Ref	Front Transmission Case Assembly	
1	70024646	1	Plug	
2	70025471	2	Plug	
3	70027669	1	Case, Front Transmission	
	70027354	1	Adapter	
4	70027337	1	Plug	
5	70027338	4	Plug	
6	70024641	1	Cap	
7	70027339	3	Plug	
8	70025495	4	Dowel	
9	70027328	7	Plug	

FIGURE 5-33. REAR TRANSMISSION CASE ASSEMBLY



ART_70025430

FIGURE 5-33. REAR TRANSMISSION CASE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70025430	Ref	Rear Transmission Case Assembly	
1	70027366	1	Case, Rear Transmission	
	70027338	4	Plug	
	70027339	4	Plug	
2	70027337	1	Plug	
3	70027663	4	Assembly, Plug	
	70025525	1	O-Ring	
	70025524	1	Plug	
4	70025529	1	Plug	

FIGURE 5-34. TIRE/WHEEL SET (AIR - 460/70 R24 XMCL)

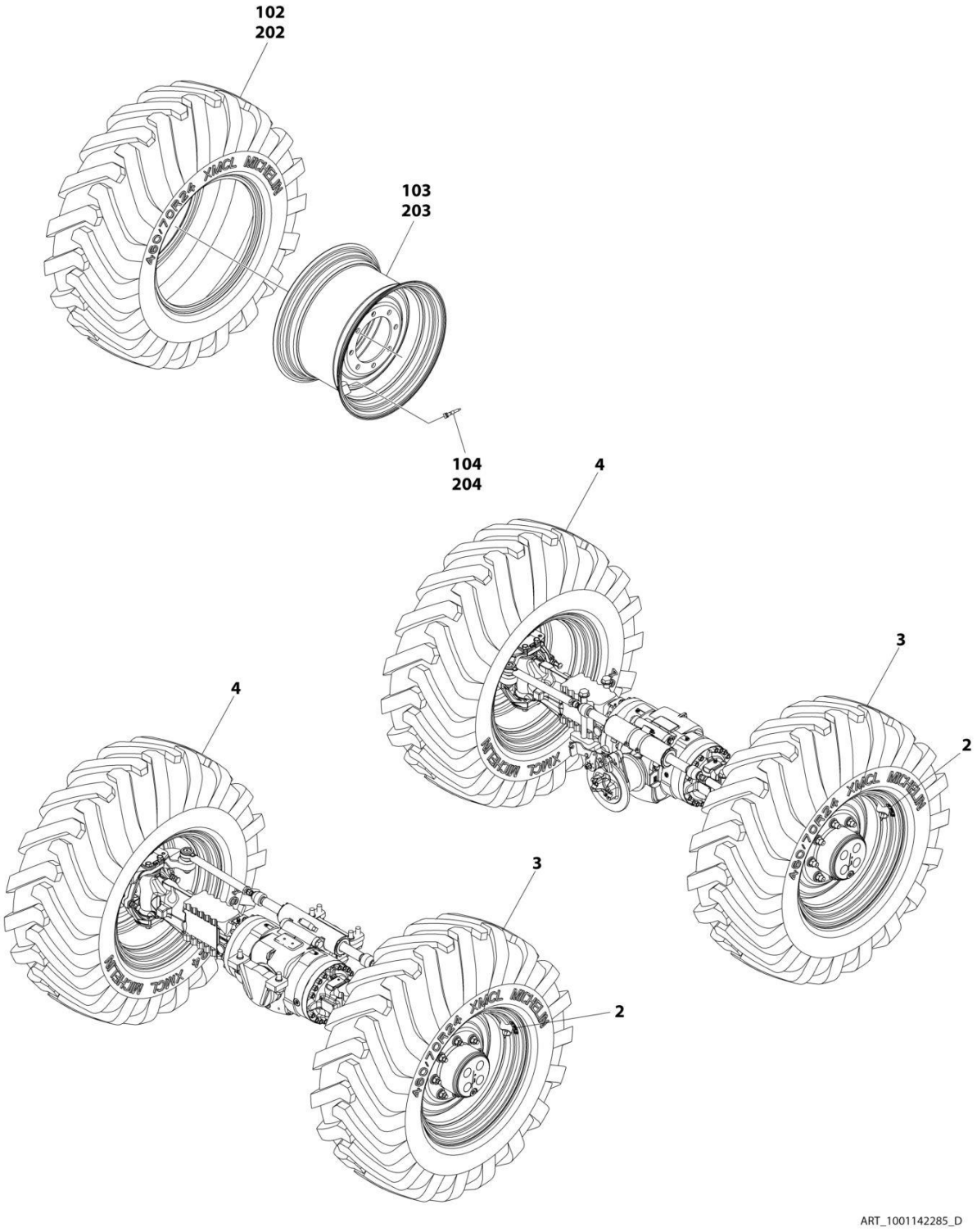


FIGURE 5-34. TIRE/WHEEL SET (AIR - 460/70 R24 XMCL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142285	Ref	TIRE/WHEEL SET (AIR - 460/70 R24 XMCL)	D
2	8005827	4	Label	
3	1001142286	2	Assembly, Tire/Wheel (RH) (Air - 460/70 R24) (Includes Items 102-104)	
4	1001142287	2	Assembly, Tire/Wheel (LH) (Air - 460/70 R24) (Includes Items 202-204)	
	1001142286	Ref	TIRE/WHEEL ASSEMBLY (RH)	C
102	1001092008	2	Tire 460/70 R24 XMCL (1 Per Assembly)	
103	1001212590	2	Wheel, Rim (RH) (1 Per Assembly)	
104	1001008719	2	Valve, Air (1 Per Assembly)	
	1001142287	Ref	TIRE/WHEEL ASSEMBLY (LH)	C
202	1001092008	2	Tire 460/70 R24 XMCL (1 Per Assembly)	
203	1001212591	2	Wheel, Rim (LH) (1 Per Assembly)	
204	1001008719	2	Valve, Air (1 Per Assembly)	

FIGURE 5-35. TIRE/WHEEL SET (AIR - 500/70 R24 XMCL)

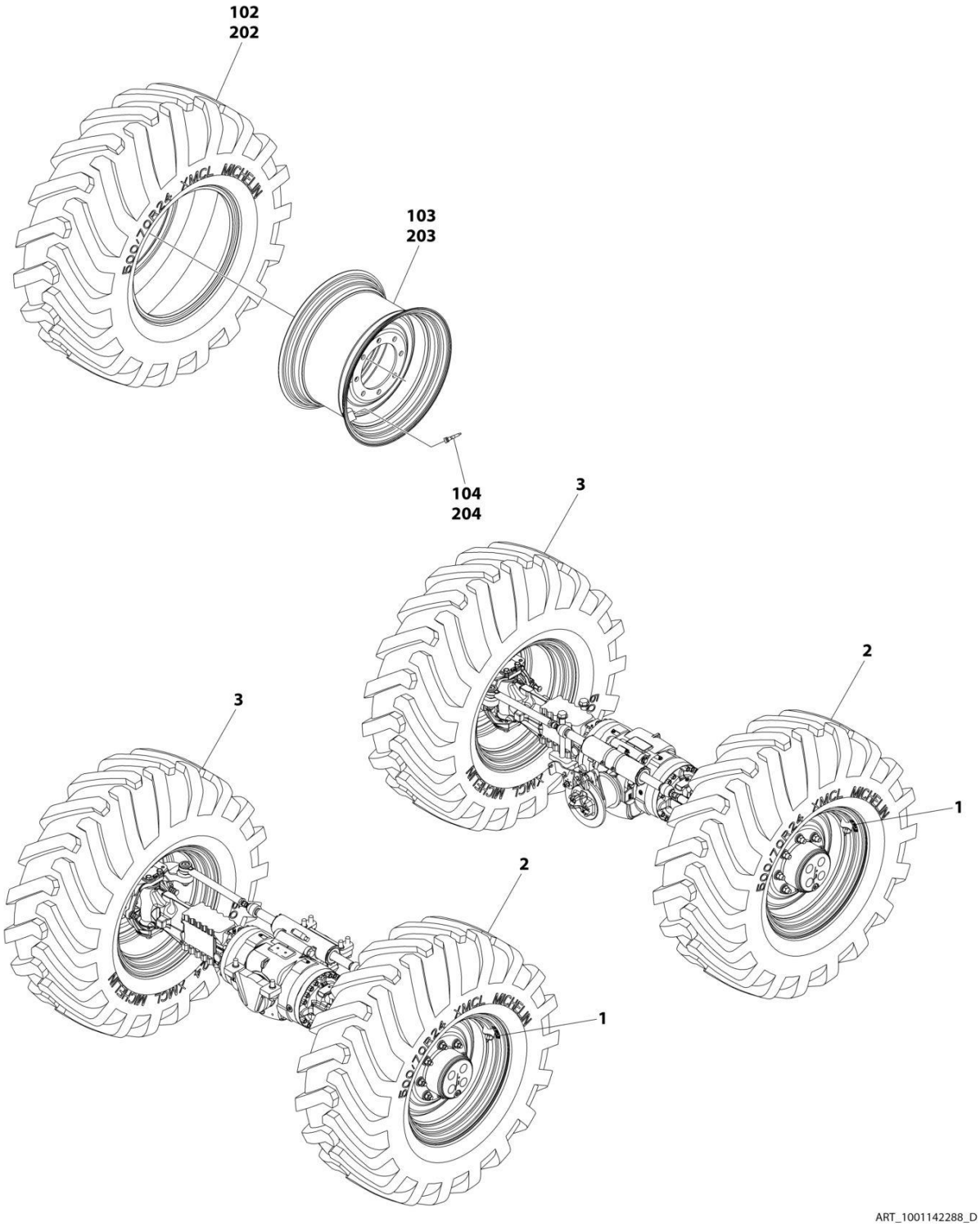


FIGURE 5-35. TIRE/WHEEL SET (AIR - 500/70 R24 XMCL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142288	Ref	TIRE/WHEEL SET (AIR - 500/70 R24 XMCL)	D
1	1001127728	4	Decal	
2	1001142289	2	Assembly, Tire/Wheel (RH) (Air - 500/70 R24) (Includes Items 102-104)	
3	1001142290	2	Assembly, Tire/Wheel (LH) (Air - 500/70 R24) (Includes Items 202-204)	
	1001142289	Ref	TIRE/WHEEL ASSEMBLY (RH)	B
102	1001092009	2	Tire 500/70 R24 XMCL (1 Per Assembly)	
103	1001212598	2	Wheel, Rim (RH) (1 Per Assembly)	
104	1001008719	2	Valve, Air (1 Per Assembly)	
	1001142290	Ref	TIRE/WHEEL ASSEMBLY (LH)	B
202	1001092009	2	Tire 500/70 R24 XMCL (1 Per Assembly)	
203	1001212599	2	Wheel, Rim (LH) (1 Per Assembly)	
204	1001008719	2	Valve, Air (1 Per Assembly)	

FIGURE 5-36. FENDER INSTALLATION

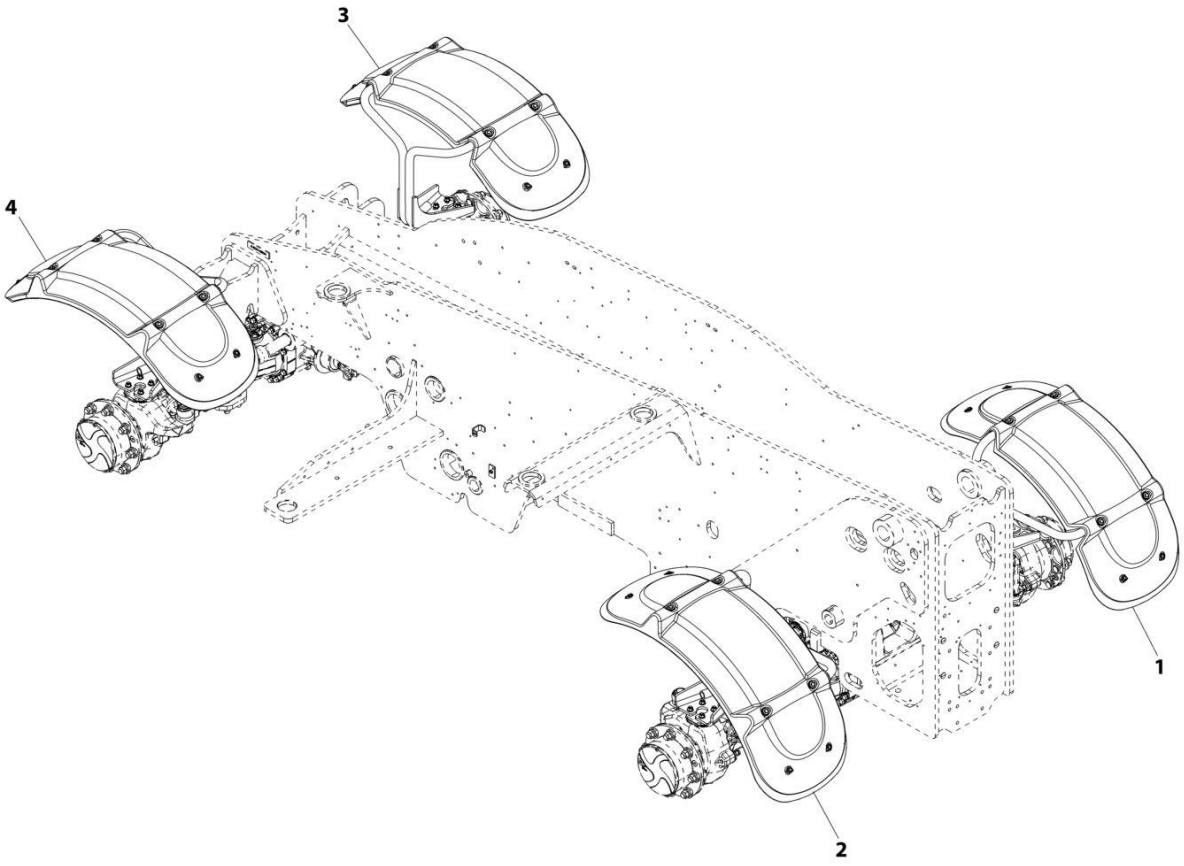


FIGURE 5-36. FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248161	Ref	Fender Installation	A
1	1001243433	1	Assembly, Fender (RR-RH) (See Separate Breakdown in this Section)	
2	1001243435	1	Assembly, Fender (RR-LH) (See Separate Breakdown in this Section)	
3	1001250416	1	Assembly, Fender (FRT-RH) (See Separate Breakdown in this Section)	
4	1001250417	1	Assembly, Fender (FRT-LH) (See Separate Breakdown in this Section)	

FIGURE 5-37. FENDER ASSEMBLY (RR-RH)

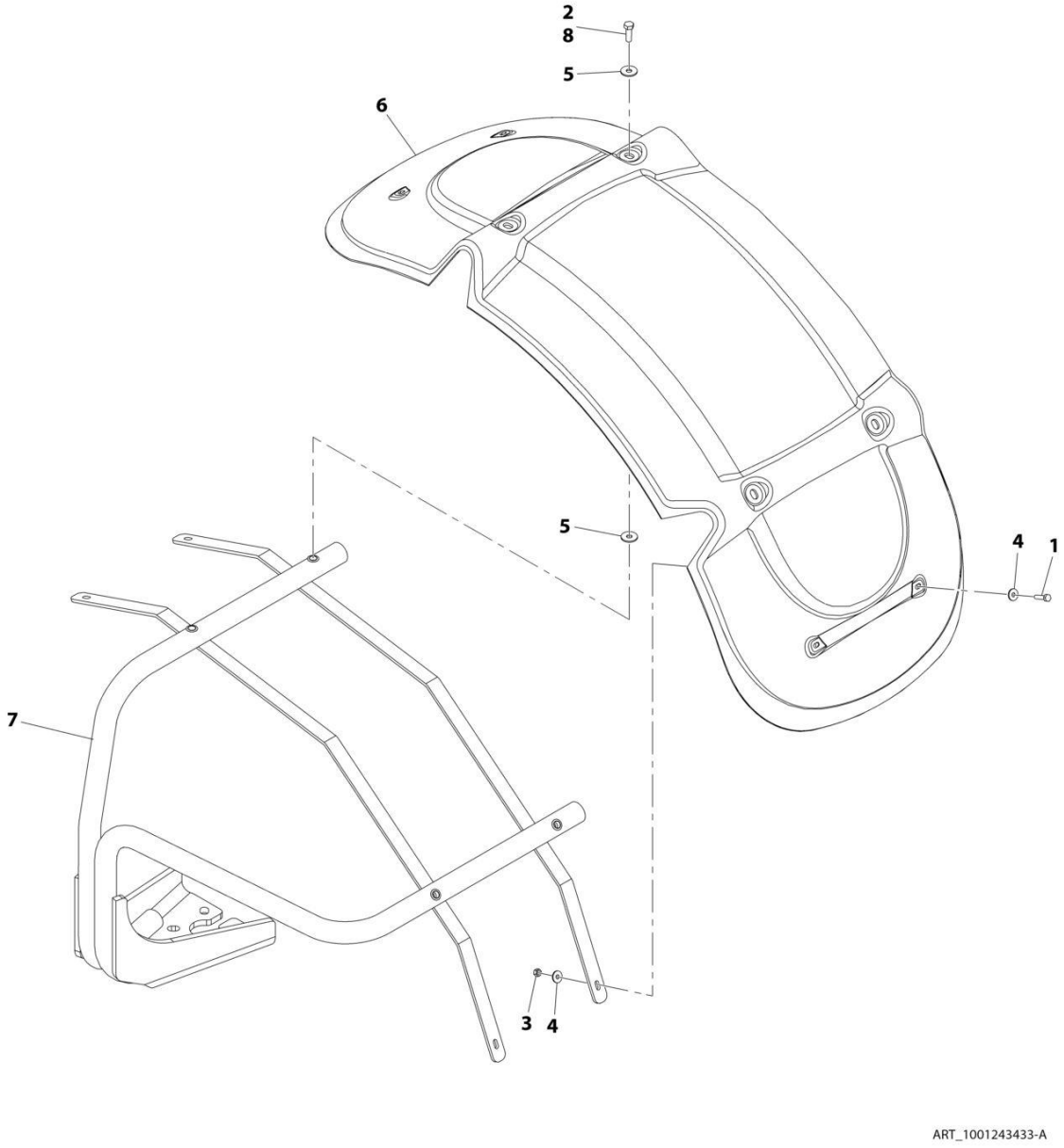


FIGURE 5-37. FENDER ASSEMBLY (RR-RH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243433	Ref	Fender Assembly (Standard)	A
1	0700612	4	Bolt, M6X25	
2	0760812	4	Bolt, M8X25	
3	3290605	4	Nut M6	
4	4811702	8	Washer, M6	
5	4811902	8	Washer, M8	
6	1001100845	1	Fender	
7	1001243434	1	Fender assembly	
8	1001095650	AR	Adhesive	

FIGURE 5-38. FENDER ASSEMBLY (RR-LH)

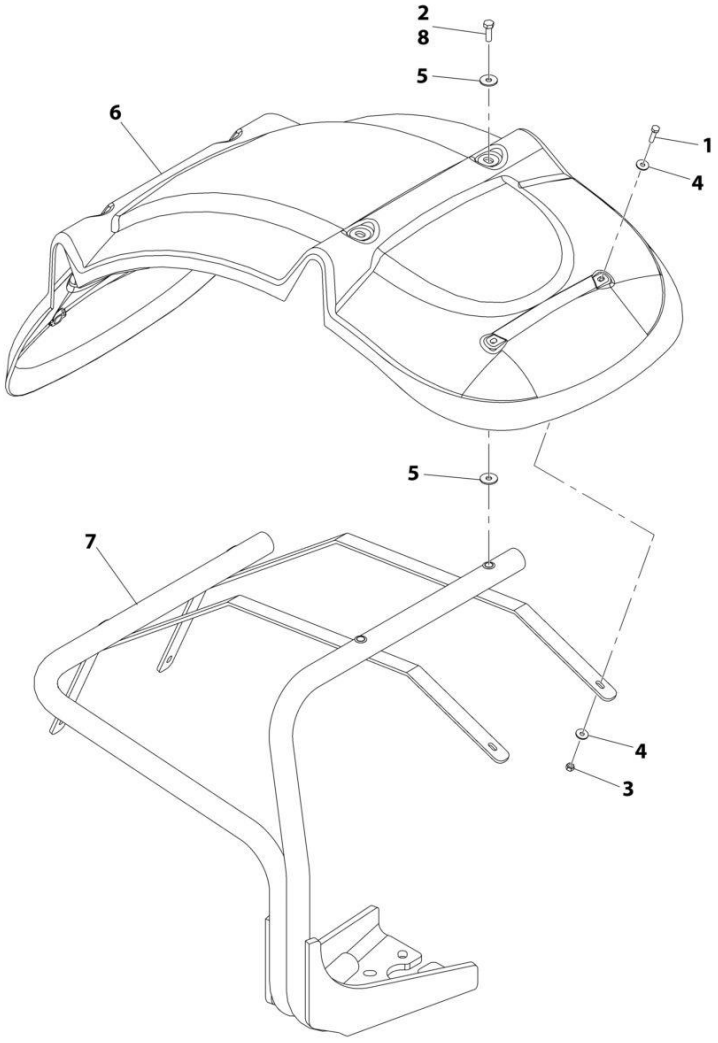


FIGURE 5-38. FENDER ASSEMBLY (RR-LH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243435	Ref	Fender Assembly (Standard)	A
1	0700612	4	Bolt, M6X25	
2	0760812	4	Bolt, M8X25	
3	3290605	4	Nut M6	
4	4811702	8	Washer, M6	
5	4811902	8	Washer, M8	
6	1001100845	1	Fender	
7	1001243436	1	Fender Assembly	
8	1001095650	AR	Adhesive	

FIGURE 5-39. FENDER ASSEMBLY (FRT-RH)

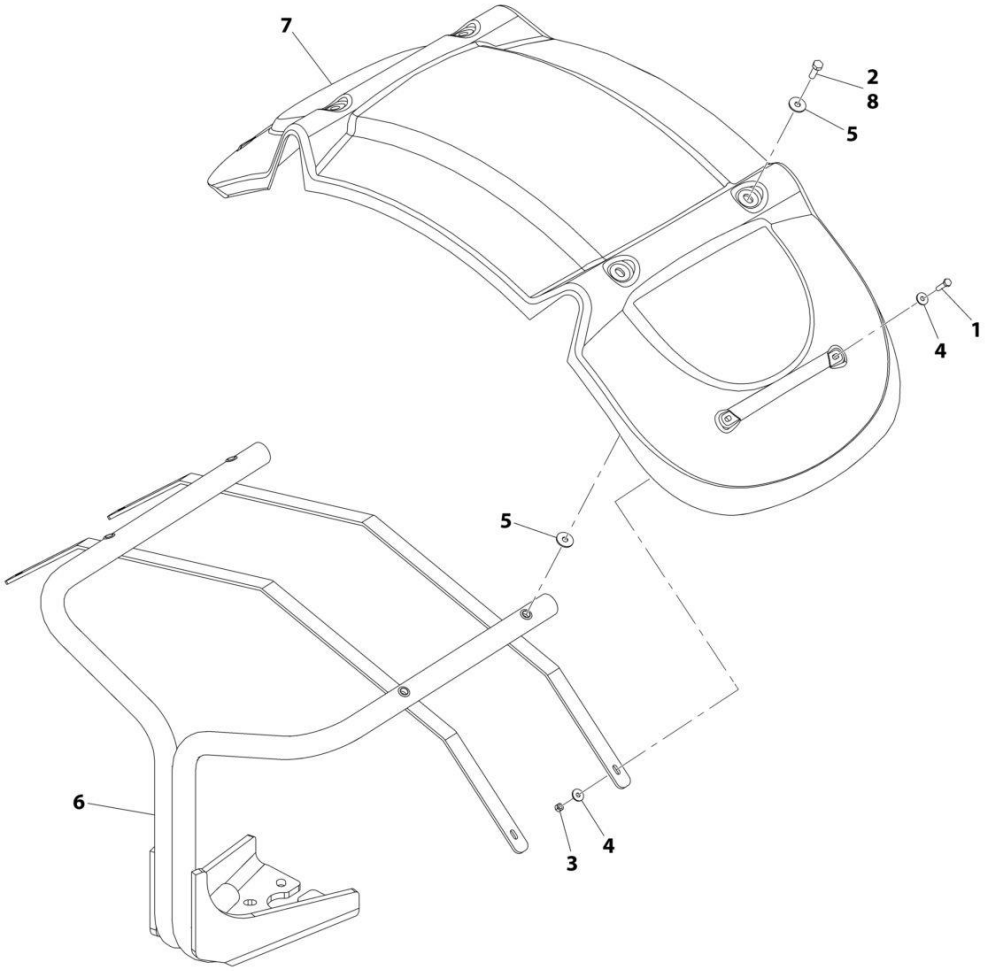


FIGURE 5-39. FENDER ASSEMBLY (FRT-RH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250416	Ref	Fender Assembly (Standard)	A
1	0700612	4	Bolt, M6X25	
2	0760812	4	Bolt, M8X25	
3	3290605	4	Nut M6	
4	4811702	8	Washer, M6	
5	4811902	8	Washer, M8	
6	1001248760	1	Fender Assembly	
7	1001250421	1	Fender	
8	1001095650	AR	Adhesive	

FIGURE 5-40. FENDER ASSEMBLY (FRT-LH)

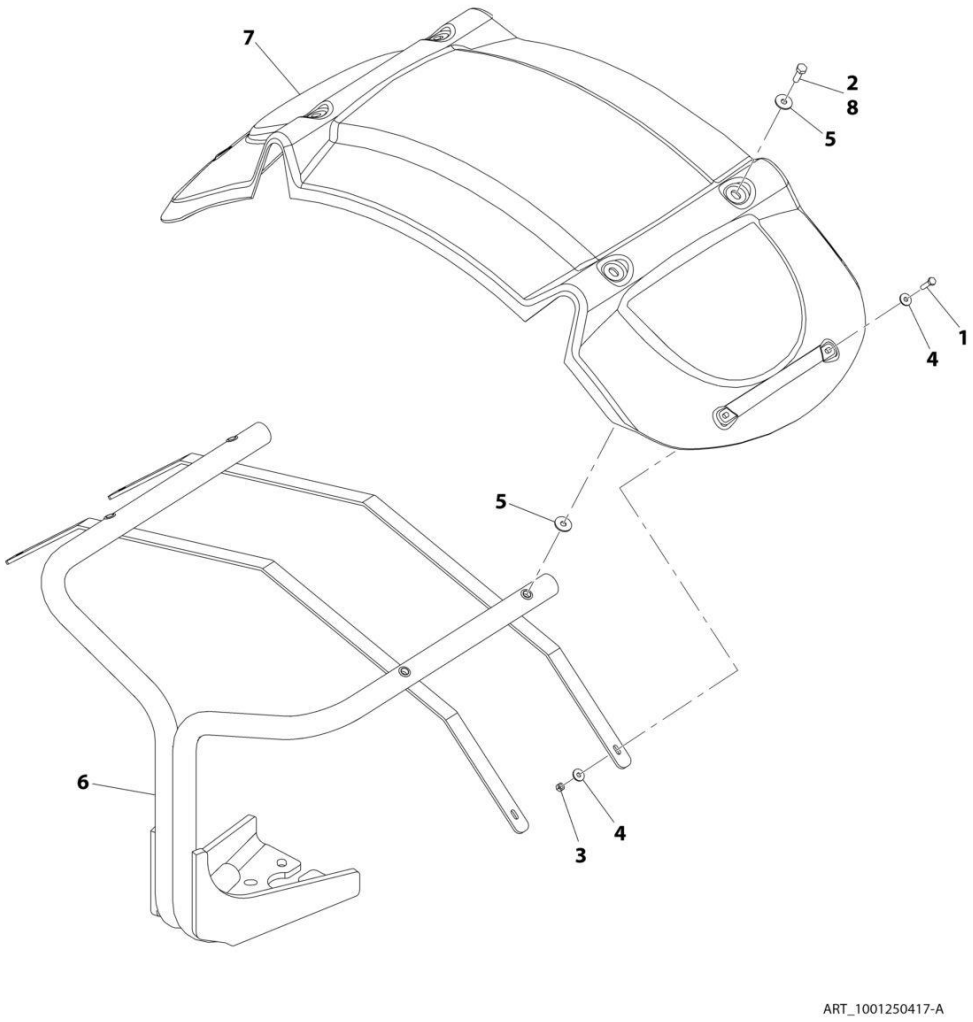


FIGURE 5-40. FENDER ASSEMBLY (FRT-LH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250417	Ref	Fender Assembly (Standard)	A
1	0700612	4	Bolt, M6X25	
2	0760812	4	Bolt, M8X25	
3	3290605	4	Nut M6	
4	4811702	8	Washer, M6	
5	4811902	8	Washer, M8	
6	1001248760	1	Fender Assembly	
7	1001250420	1	Fender	
8	1001095650	AR	Adhesive	

SECTION 6 - CAB

FIGURE 6-1. CAB MOUNTS INSTALLATION

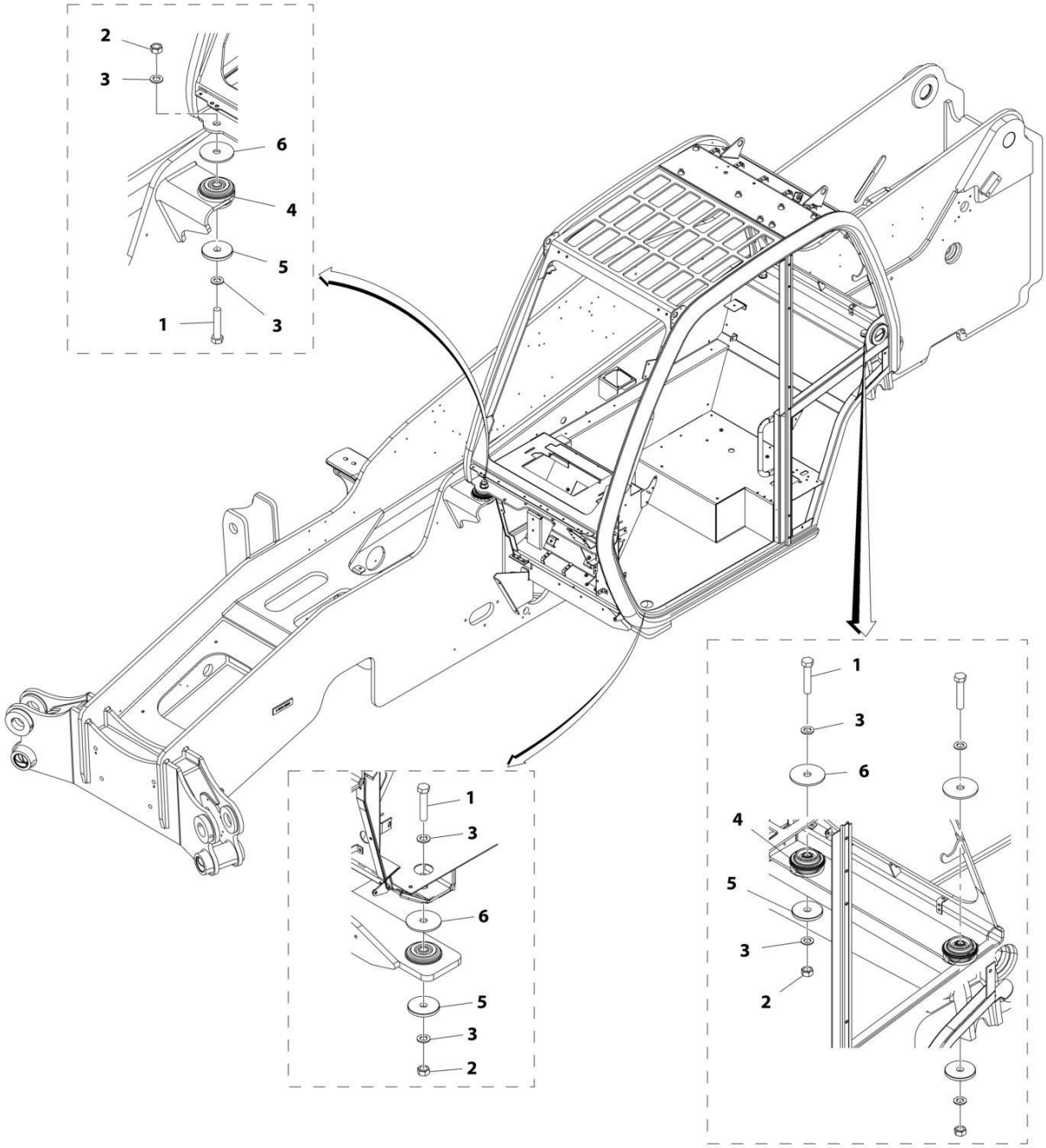


FIGURE 6-1. CAB MOUNTS INSTALLATION

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 6-2. ENCLOSED CAB INSTALLATION

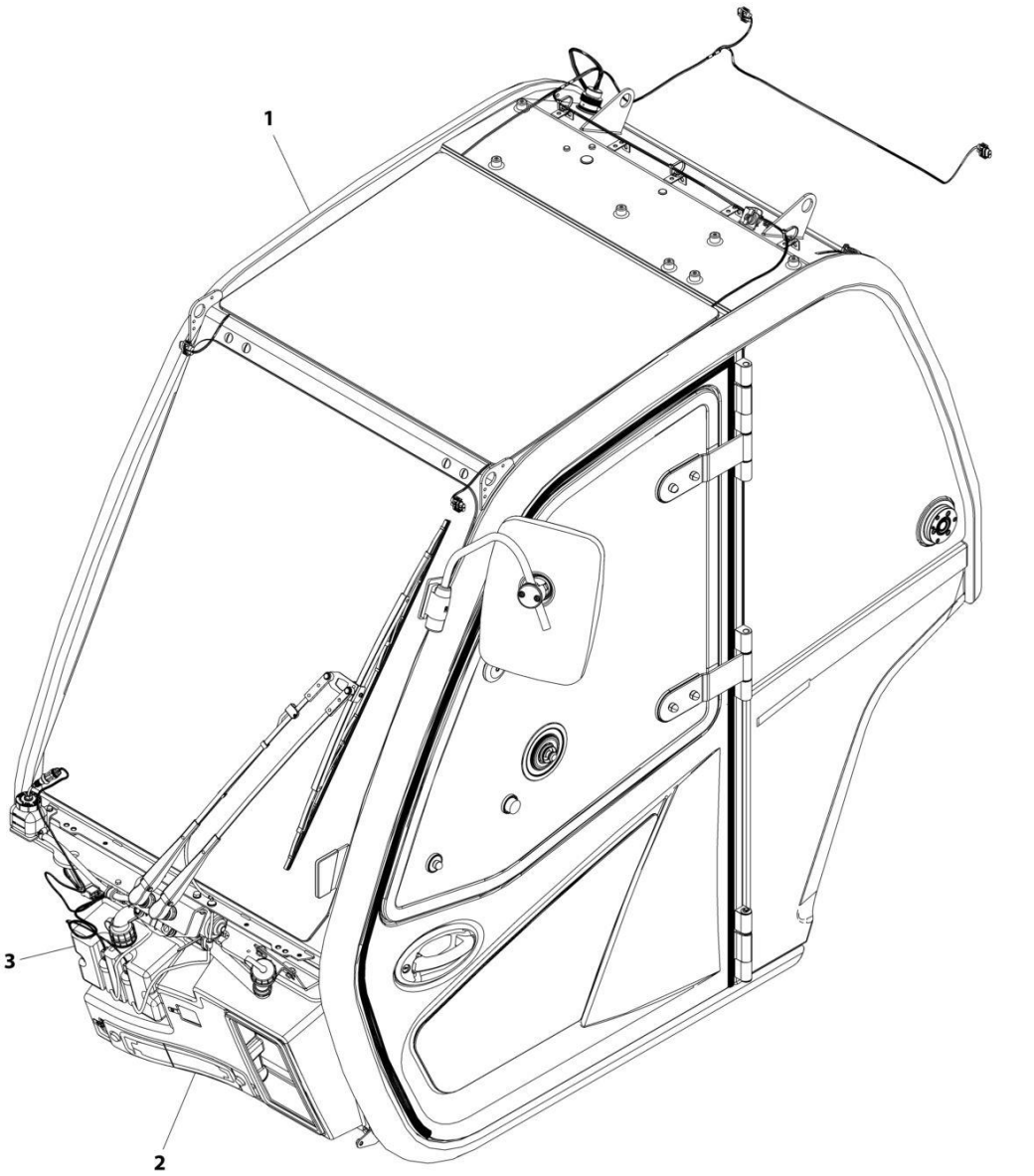


FIGURE 6-2. ENCLOSED CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202086	Ref	Enclosed Cab Installation	D
1	1001196531	Ref	Assembly, Enclosed Cab (JLG) (See Separate Breakdown in this Section)	
2	1001170366	Ref	Installation, Front Cover (See Separate Breakdown in this Section)	
3	1001201027	Ref	Installation, Washer Tank (See Separate Breakdown in this Section)	

FIGURE 6-3. ENCLOSED CAB ASSEMBLY

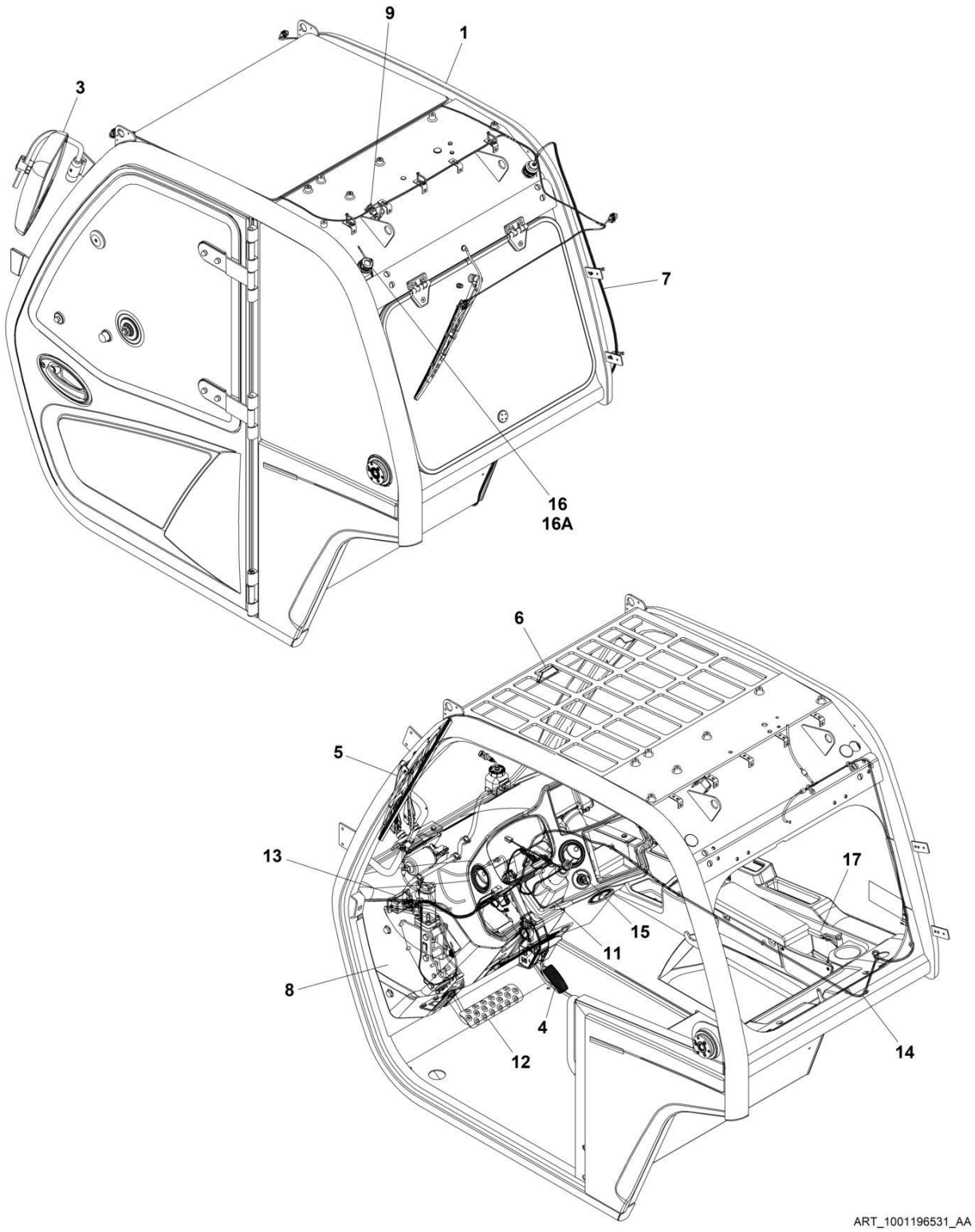


FIGURE 6-3. ENCLOSED CAB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196531	Ref	ENCLOSED CAB ASSEMBLY	AA
1	1001168152	Ref	Group, Enclosed Cab (JLG) (See Separate Breakdown in this Section)	
3	1001230435	Ref	Installation, Interior 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	1001172401	Ref	Installation, Level Indicator (See Separate Breakdown in this Section)	
7	1001271363	Ref	Installation, Cab Electrical (See Separate Breakdown in ELECTRICAL Section)	
8	1001167981	Ref	Installation, Enclosed Cab Trim (See Separate Breakdown in this Section)	
9	1001218856	Ref	Installation, Beacon Bracket (See Separate Breakdown in this Section)	
11	1001229534	Ref	Installation, Steering Column Tilt (See Separate Breakdown in CONTROLS Section)	
12	1001188262	Ref	Installation, Brake Pedal (See Separate Breakdown in this Section)	
13	1001201340	Ref	Installation, Cab Heater Harness (See Separate Breakdown in ELECTRICAL Section)	
14	1001201520	Ref	Installation, Washer Hoses (See Separate Breakdown in this Section)	
15	1001208518	Ref	Installation, Ignition Switch (JLG) (See Separate Breakdown in ELECTRICAL Section)	
16	1001201161	Ref	Installation, Telematics Cap	
16A	1001201162	1	Cap	
17	1001210628	Ref	Installation, Hammer (See Separate Breakdown in this Section)	

FIGURE 6-4. ENCLOSED CAB GROUP

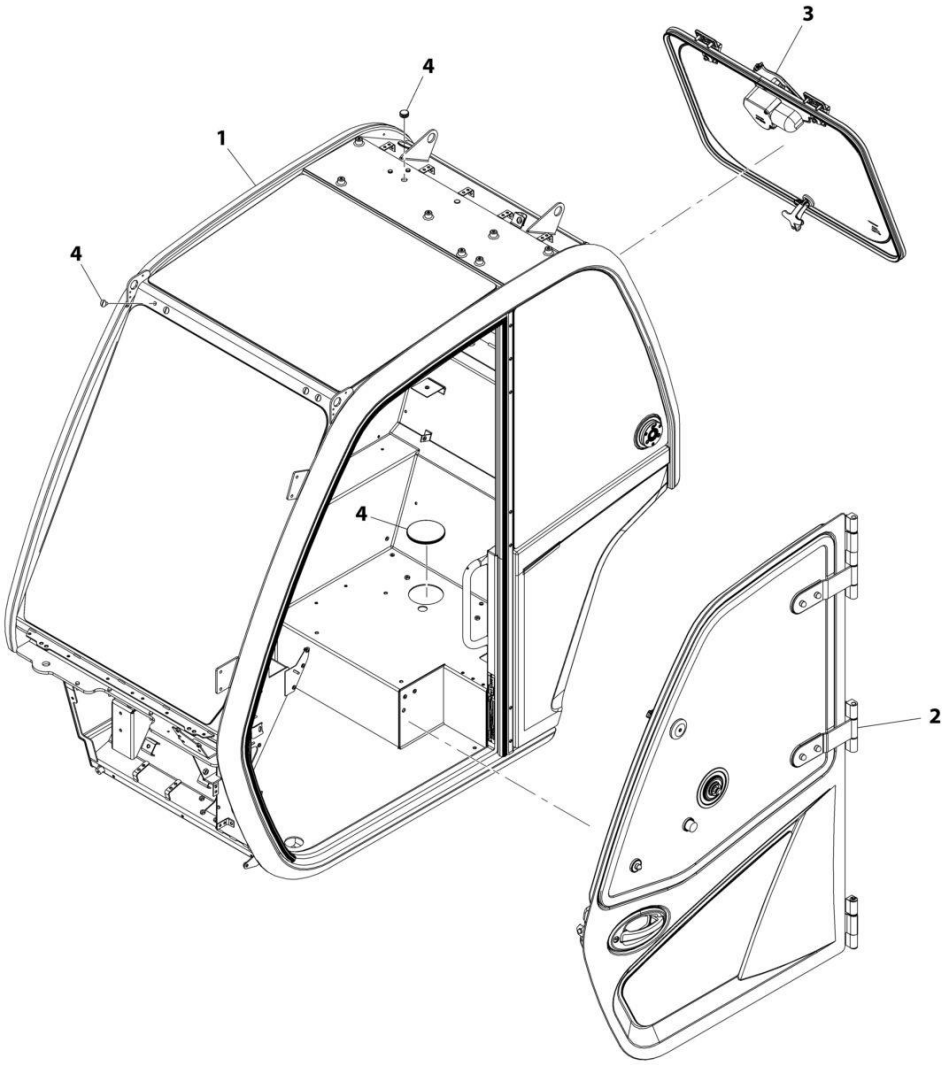


FIGURE 6-4. ENCLOSED CAB GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168152	Ref	Enclosed Cab Group	I
1	1001173641	Ref	Cab, Enclosed (JLG) (See Separate Breakdown in this Section)	
2	1001155228	Ref	Installation, Door (JLG) (See Separate Breakdown in this Section)	
3	1001178678	Ref	Installation, Rear Window (See Separate Breakdown in this Section)	
4	1001170603	Ref	Group, Enclosed Cab Plug (See Separate Breakdown in this Section)	

FIGURE 6-5. ENCLOSED CAB

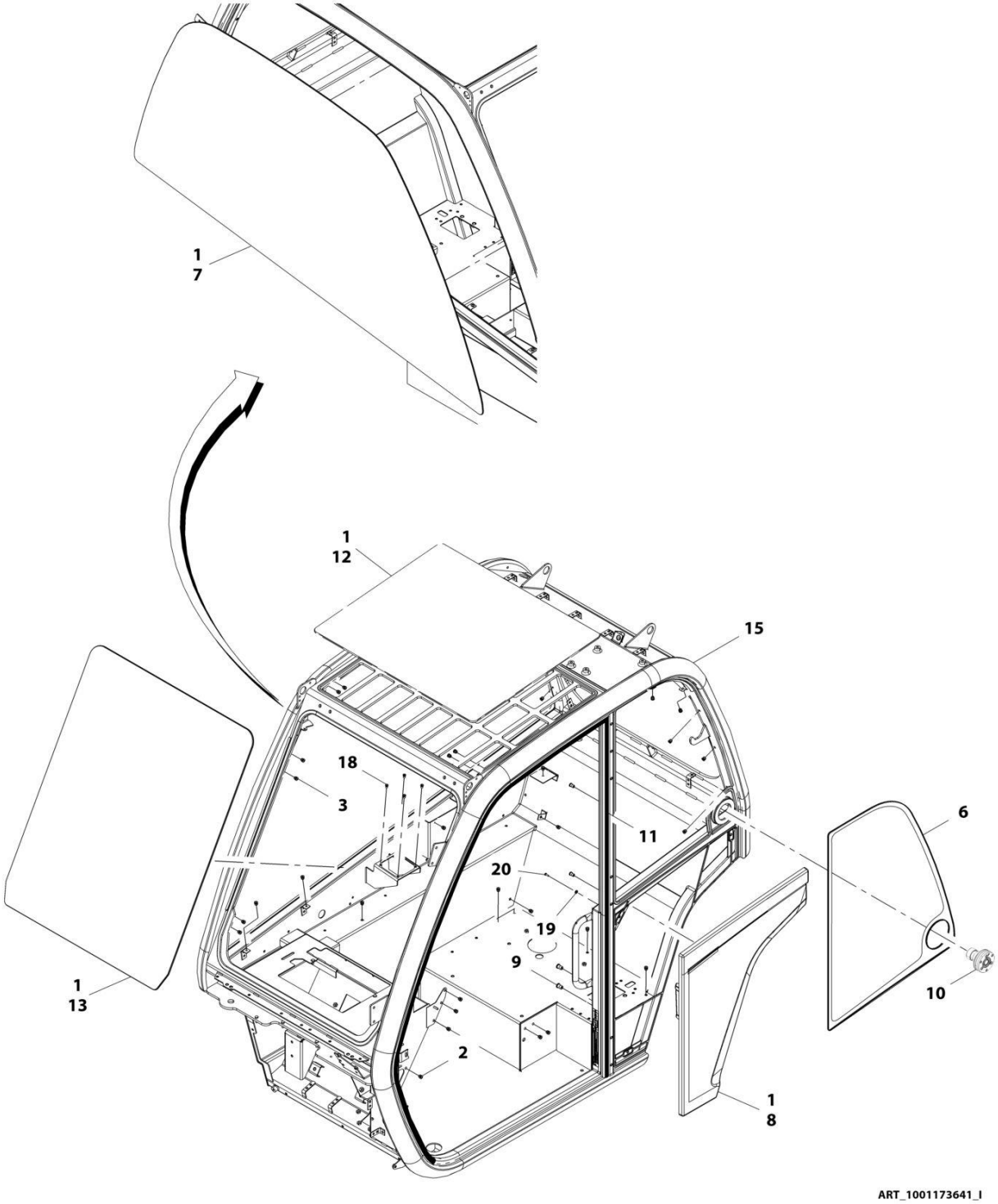


FIGURE 6-5. ENCLOSED CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173641	Ref	Enclosed Cab	I
1	1001111317	AR	Compound, Locking	
2	2080086	27	Rivnut, M6X1	
3	2080087	16	Rivnut, M8X1.25	
6	1001152915	1	Glass, LH Screen	
7	1001152947	1	Glass, RH Screen	
8	1001229319	1	Panel, Cab Quarter	
9	1001172193	2	Rivnut, M5X0.8	
10	1001174320	1	Latch, Top Window	
11	1001227186	1	Seal, Cab Door	
12	1001178159	1	Glass, Roof Laminated	
13	1001178160	1	Glass, Front Laminated	
	1001225177	1	Weldment, Cab	
18	1001195878	7	Rivnut, M5X0.8	
19	4811700	3	Washer, M6	
20	0750804	3	Screw	

FIGURE 6-6. DOOR INSTALLATION

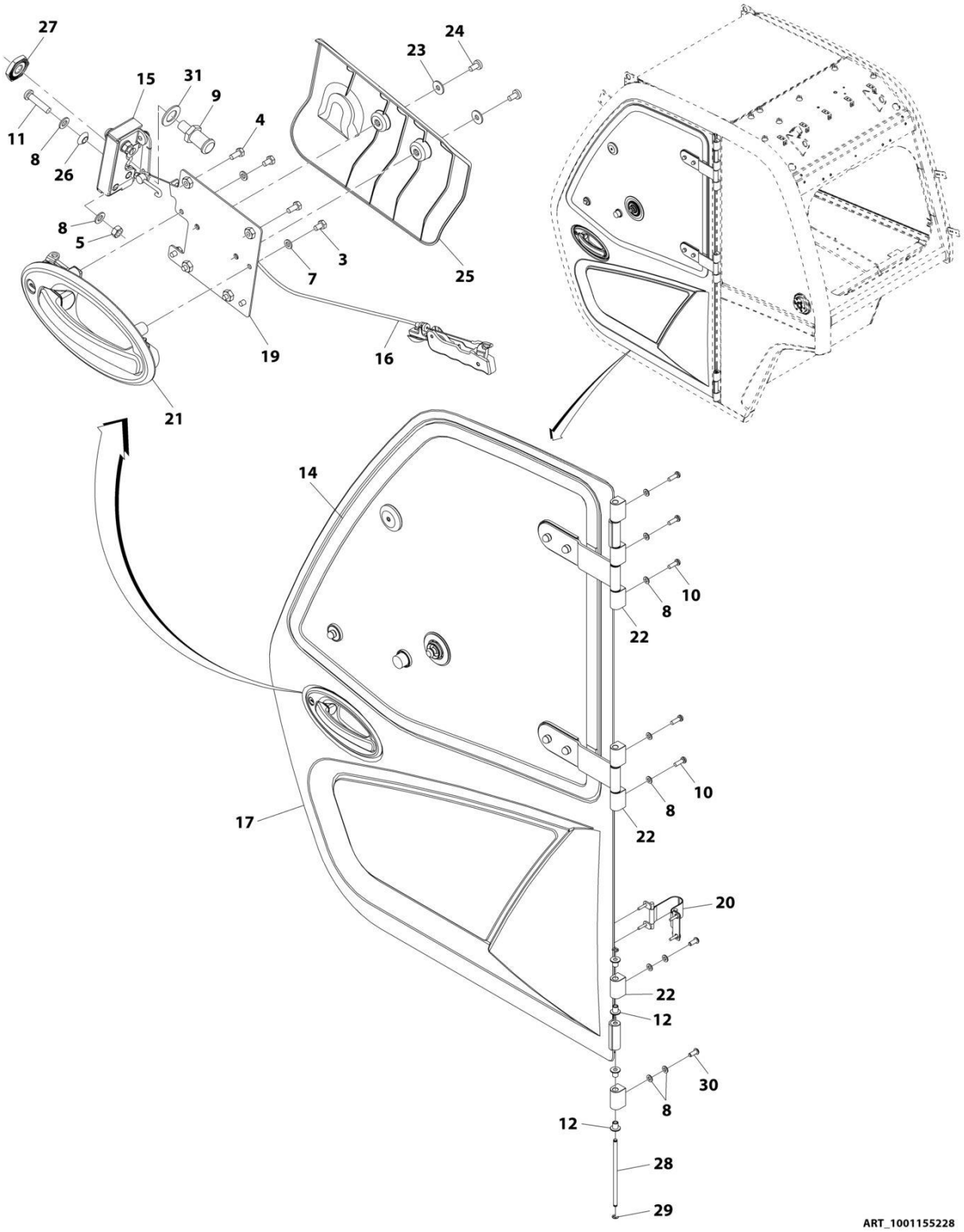


FIGURE 6-6. DOOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155228	Ref	Door Installation	Q
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	1001170114	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	1001229543	7	Block, Hinge (Rounded Top/Bottom Edge)	
22	1001170601J	7	Block, Hinge (Square Top/Bottom Edge)	
23	4811702001	2	Washer, M6	
24	4010608002	2	Screw, Posi-Drive, M6X16	
25	1001175477	1	Cover, Cab Door Interior	
26	1001184439	2	Bushing	
27	1001192309	1	Nut, M12X1	
28	1001213791	1	Pin	
29	0498748	2	Washer, Lock M7	
30	1001164726	2	Bolt, M8X20	
31	1001227802	1	Washer	

FIGURE 6-7. DOOR UPPER GLASS ASSEMBLY

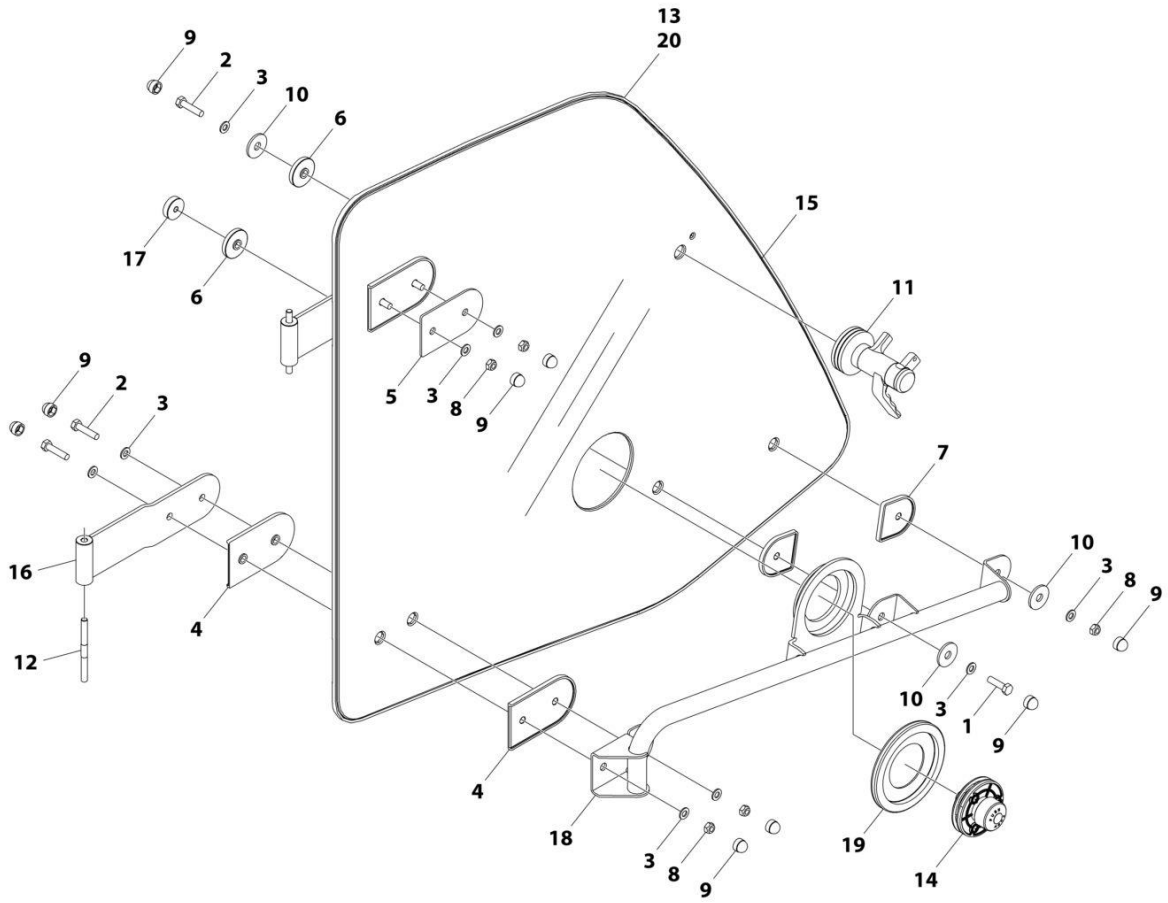


FIGURE 6-7. DOOR UPPER GLASS ASSEMBLY

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 6-8. CAB LATCH ASSEMBLY

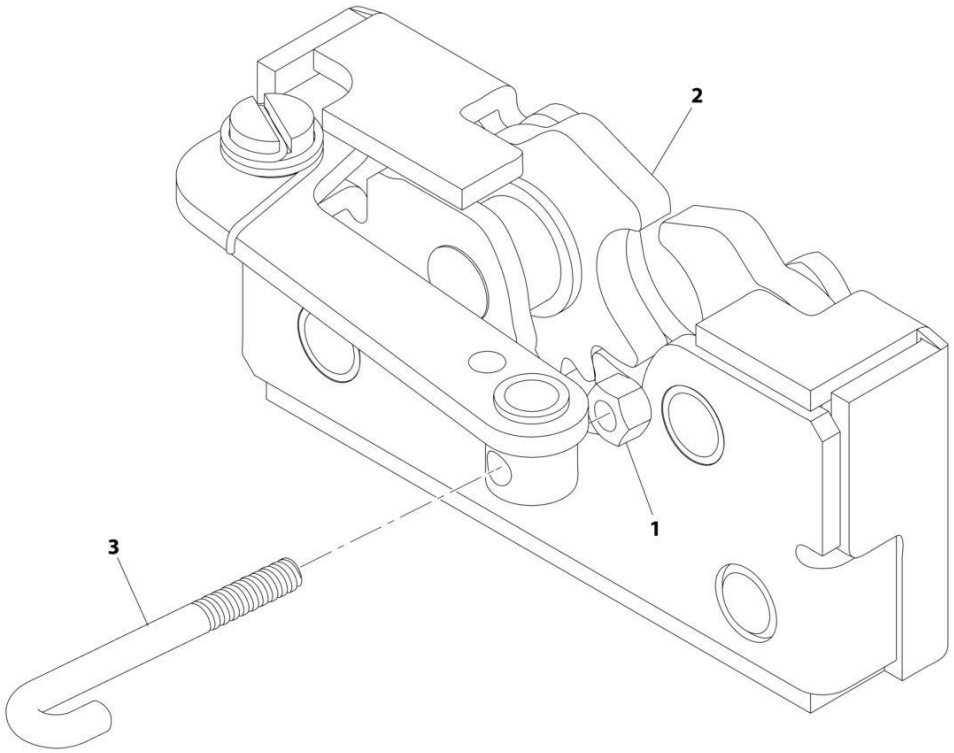


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FIGURE 6-8. CAB LATCH ASSEMBLY

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

FIGURE 6-9. CAB DOOR TRIGGER ASSEMBLY

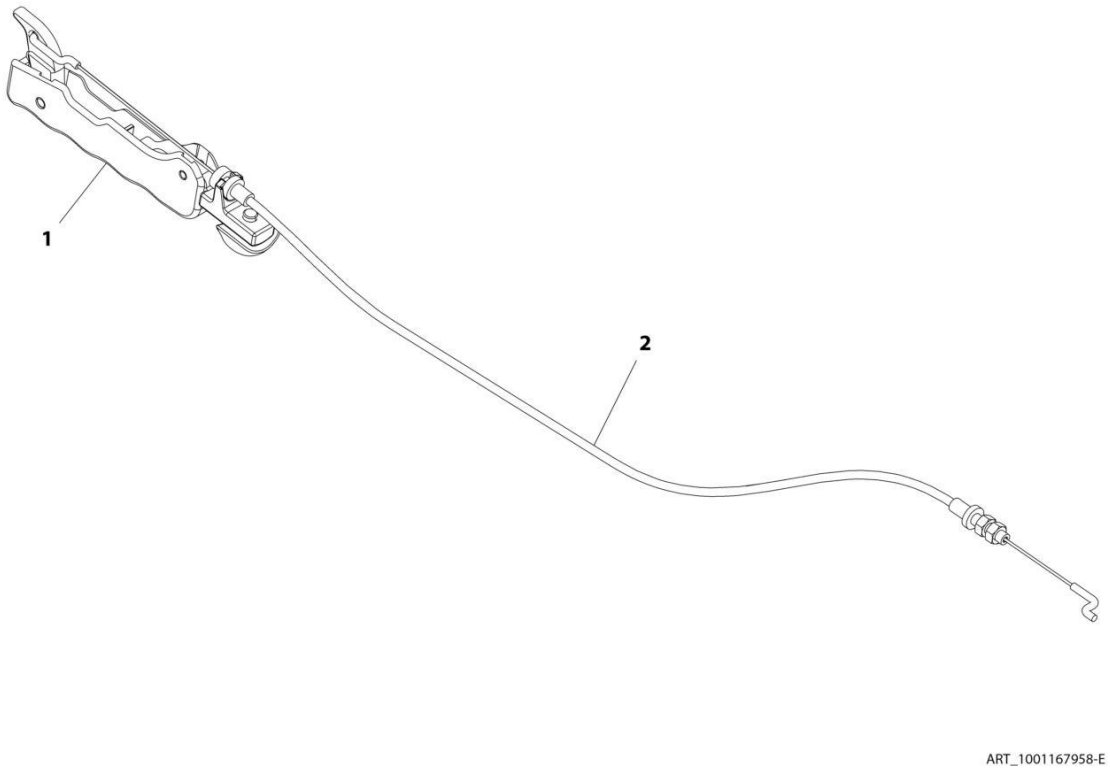


FIGURE 6-9. CAB DOOR TRIGGER ASSEMBLY

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 6-10. DOOR ASSEMBLY (AG)

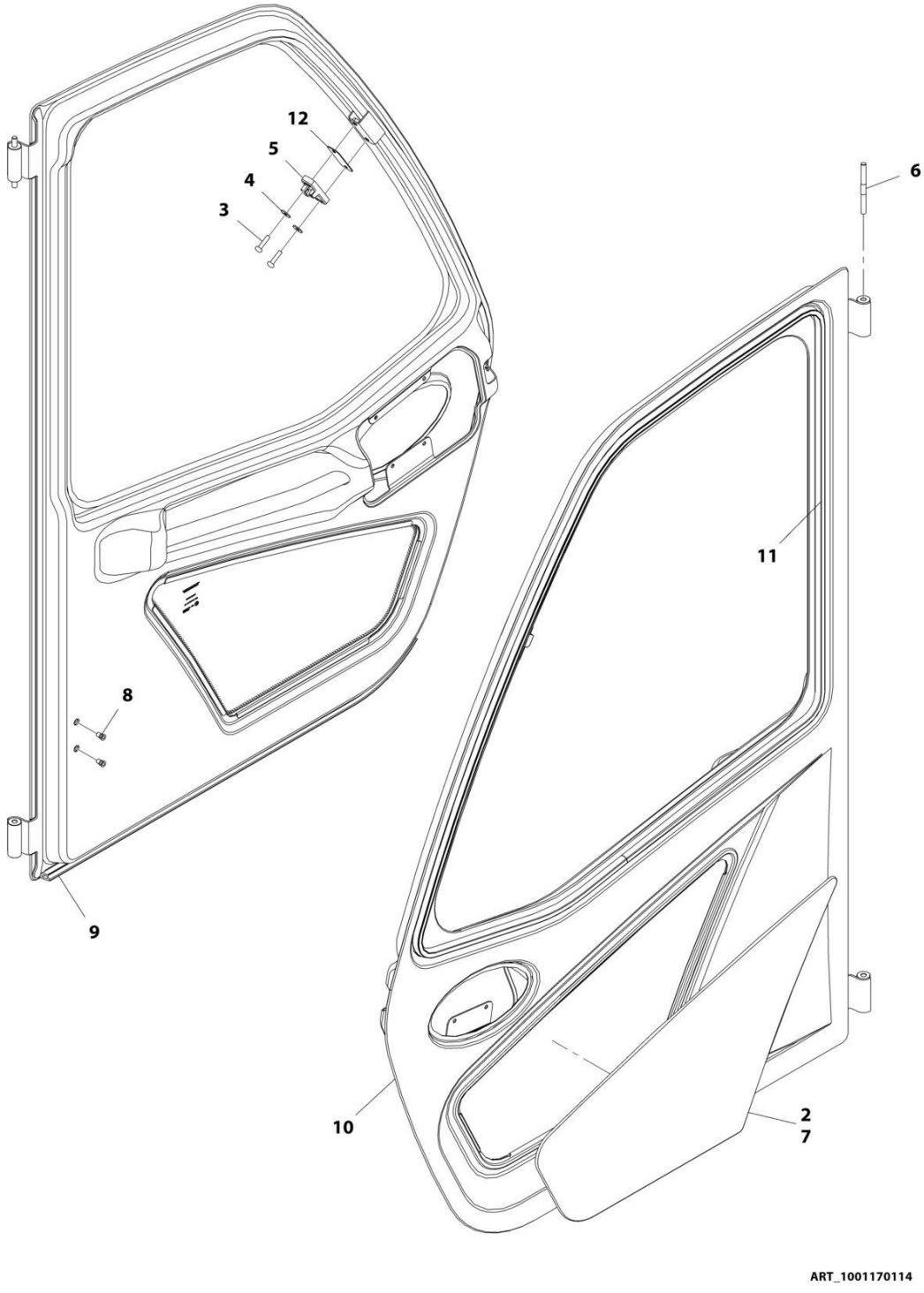


FIGURE 6-10. DOOR ASSEMBLY (AG)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170114	Ref	Door Assembly	K
2	1001111317	AR	Compound, Locking	
3	4010612002	2	Screw, M6X25	
4	4811702001	2	Washer, M6	
5	1001165276	1	Plate, Window Latch Striker	
6	1001166634	1	Pin, Hinge	
7	1001169880	1	Window, Lower Glass	
8	1001172193	2	Rivnut, M5X0.8	
9	1001227188	1	Seal, Cab Door	
10	1001170113J	1	Door, Cab (See Separate Breakdown in this Section)	
11	1001227187	1	Seal, Cab Door Window	
12	1001193210	AR	Shim, Window Latch	

FIGURE 6-11. CAB DOOR

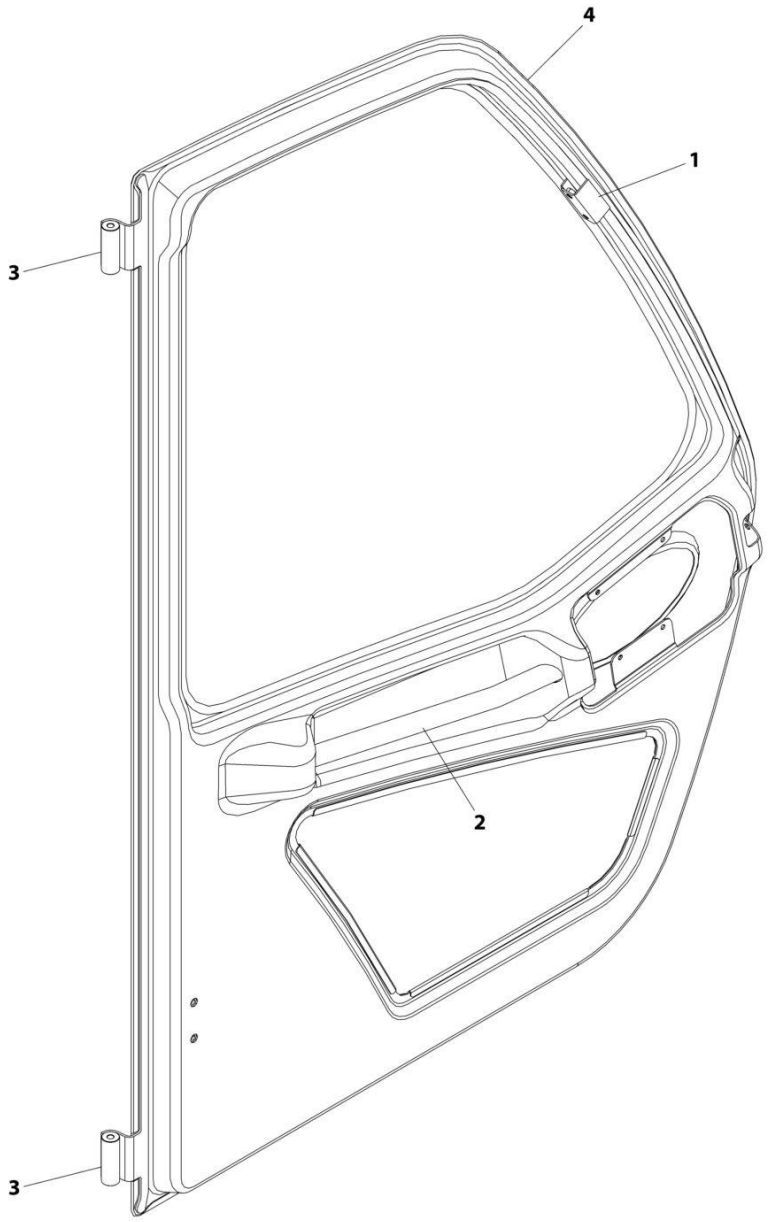


FIGURE 6-11. CAB DOOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170113	Ref	Cab Door	E
1	1001169883	1	Bracket, Window Latch	
2	1001169885	1	Handle, Interior Door	
3	1001171037	1	Plate, Hinge	
4	1001171635	1	Frame, Door	

FIGURE 6-12. DOOR STRAP INSTALLATION

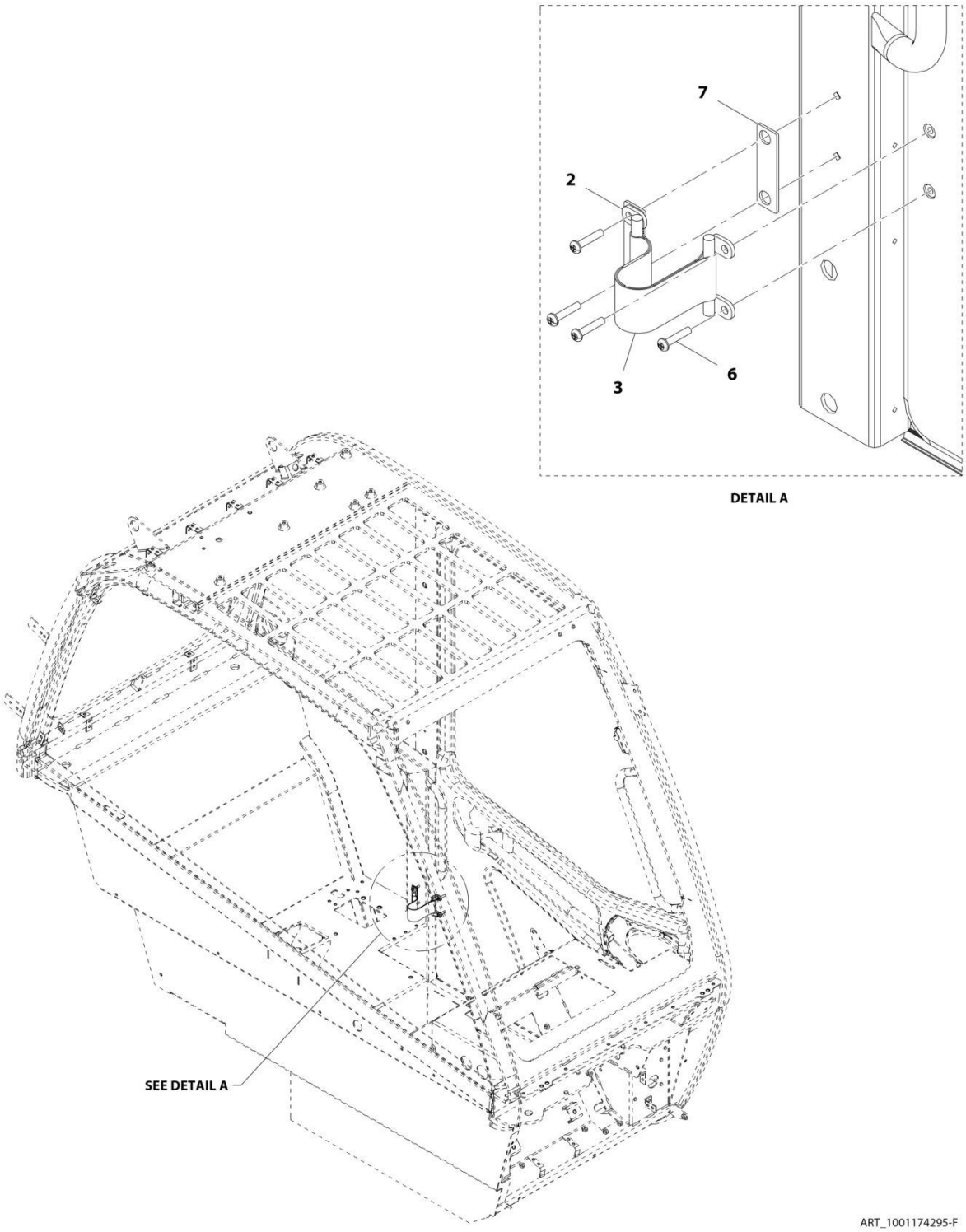


FIGURE 6-12. DOOR STRAP INSTALLATION

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 6-13. REAR WINDOW INSTALLATION

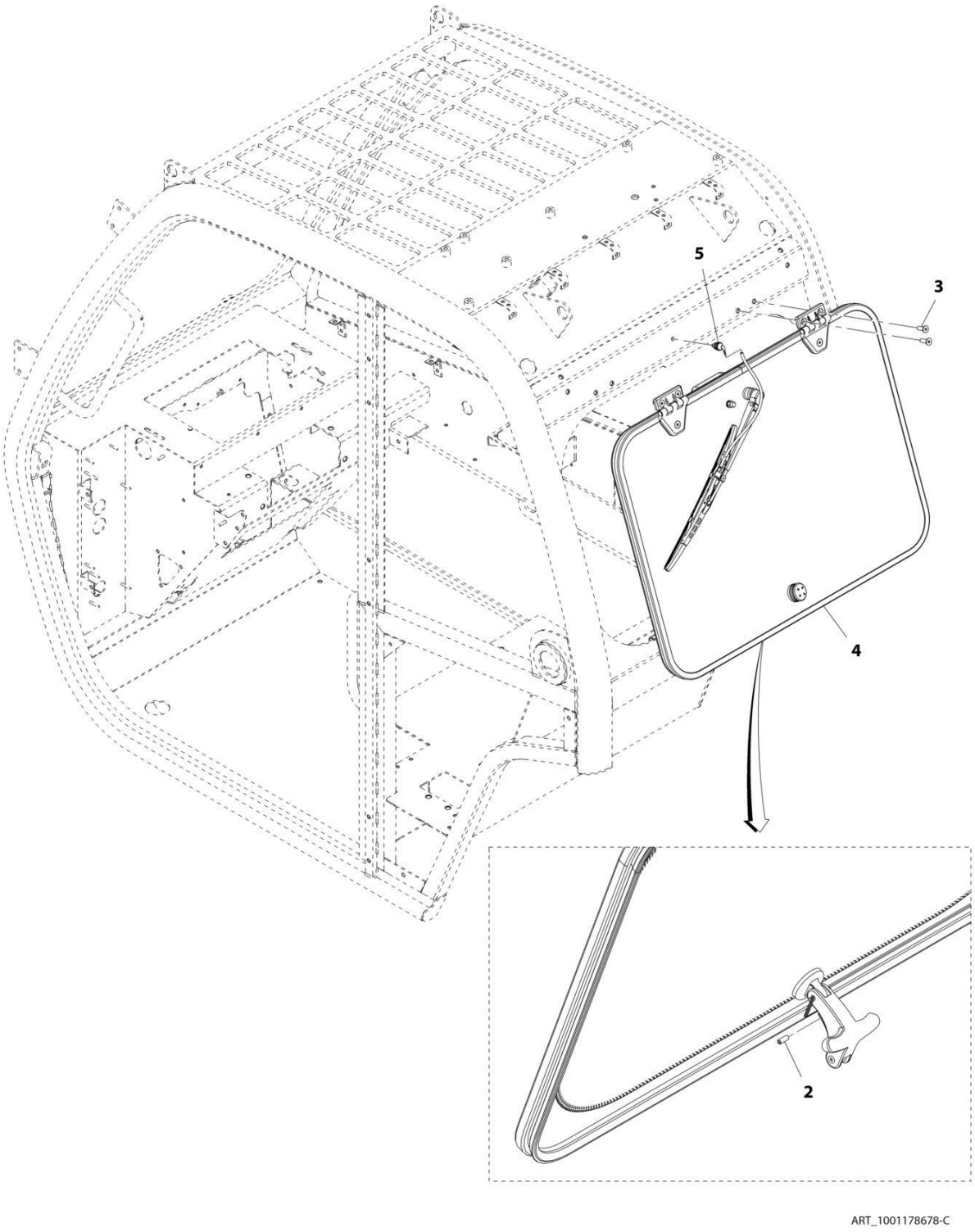


FIGURE 6-13. REAR WINDOW INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178678	Ref	Rear Window Installation	C
2	1001003043	1	Pin, Spring	
3	1001097586	4	Screw, M8X1.25	
4	1001178679	1	Assembly, Rear Window (See Separate Breakdown in this Section)	
5	1001090343	1	Connector	

FIGURE 6-14. REAR WINDOW ASSEMBLY

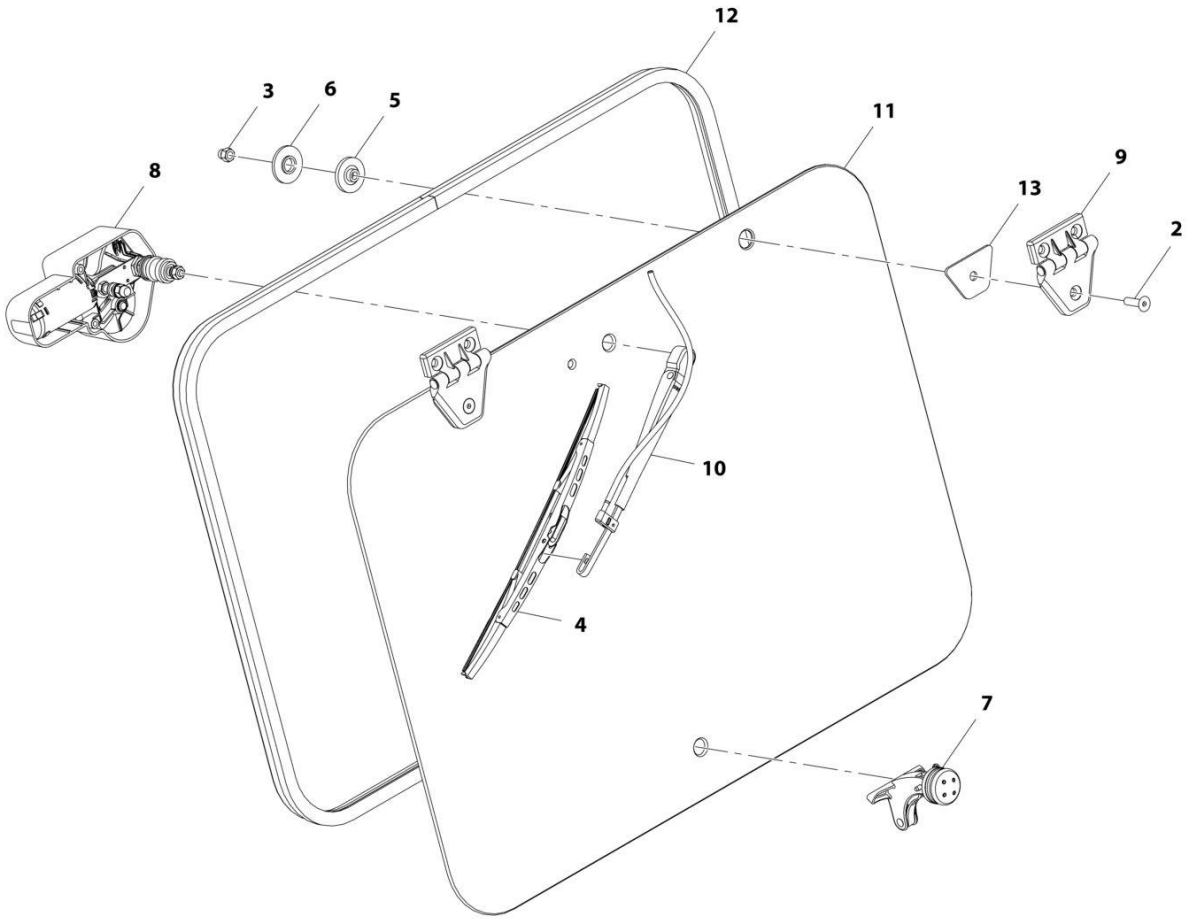


FIGURE 6-14. REAR WINDOW ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178679	Ref	Rear Window Assembly	C
2	2080078	2	Fastener, M8X30	
3	3290806	2	Nut, M8X1.25 Grade 8	
4	4807718	1	Blade, Wiper	
5	8000759	2	Spacer	
6	8004398	2	Spacer	
7	1001005368	1	Latch, Window	
8	1001139552	1	Motor, Rear Wiper	
9	1001139568	2	Hinge	
10	1001141312	1	Arm, Rear Window Wiper	
11	1001178680	1	Glass, Rear Window	
12	1001178681	1	Seal	
13	1001181411	2	Gasket, Rear Window Hinge	

FIGURE 6-15. ENCLOSED CAB PLUG GROUP

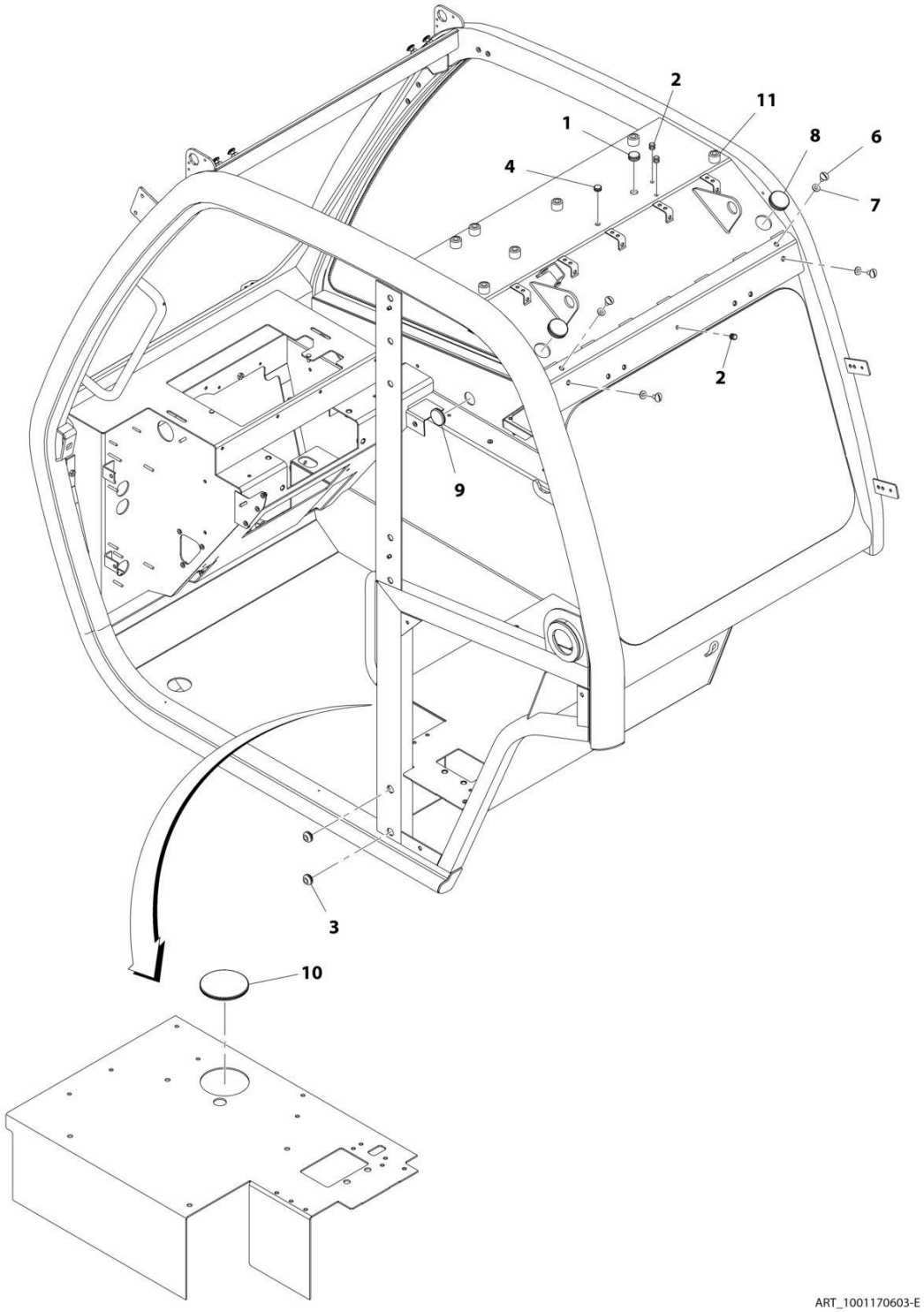


FIGURE 6-15. ENCLOSED CAB PLUG GROUP

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 6-16. INTERIOR MIRROR INSTALLATION

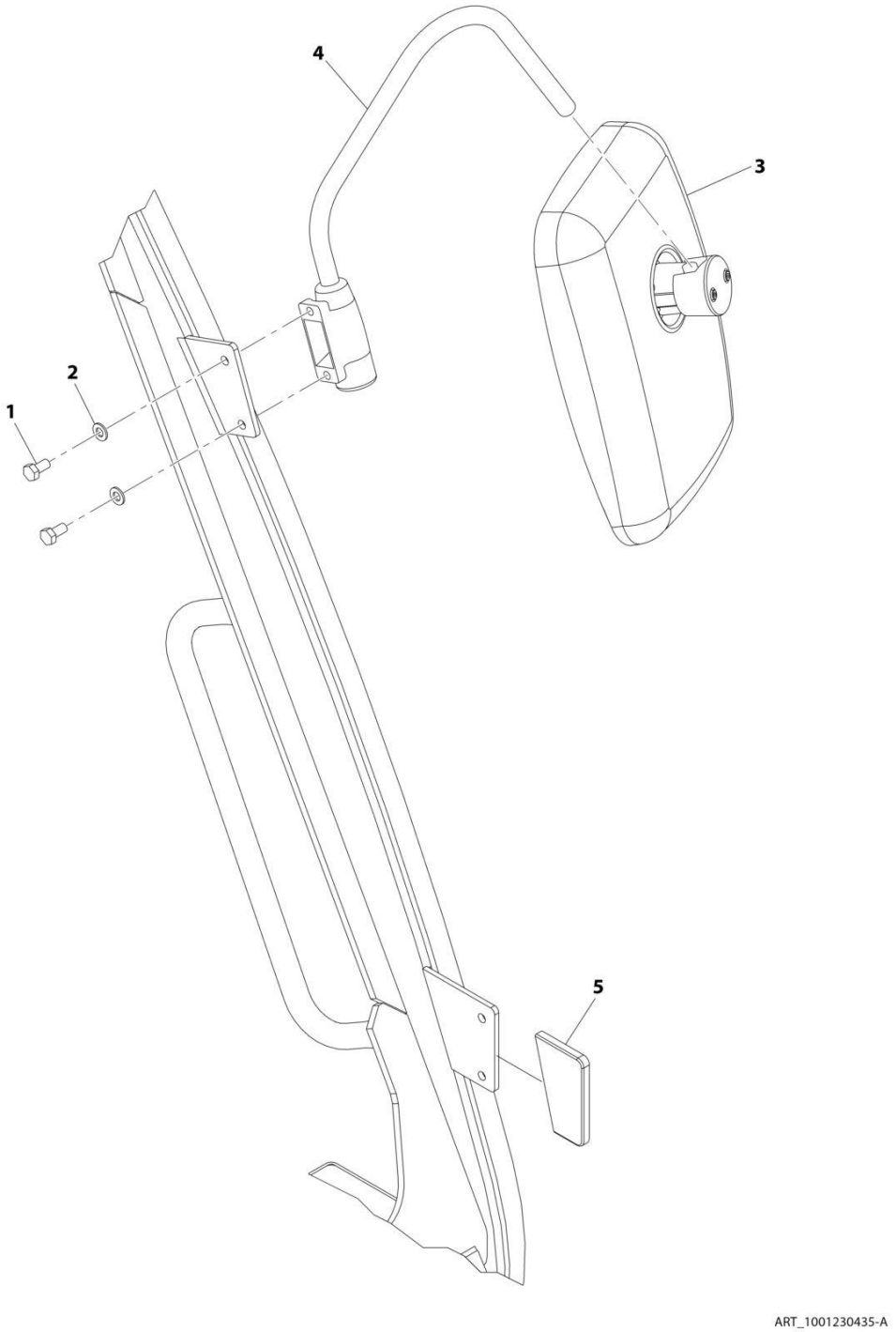


FIGURE 6-16. INTERIOR MIRROR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230435	Ref	Basic Mirror Installation	A
1	0760808	2	Bolt, M8X16	
2	4811900	2	Washer, M8	
3	80363195	1	Mirror	
4	1001164655	1	Bracket	
5	1001227357	1	Cover, Mirror Bracket	

FIGURE 6-17. FRONT WIPER INSTALLATION

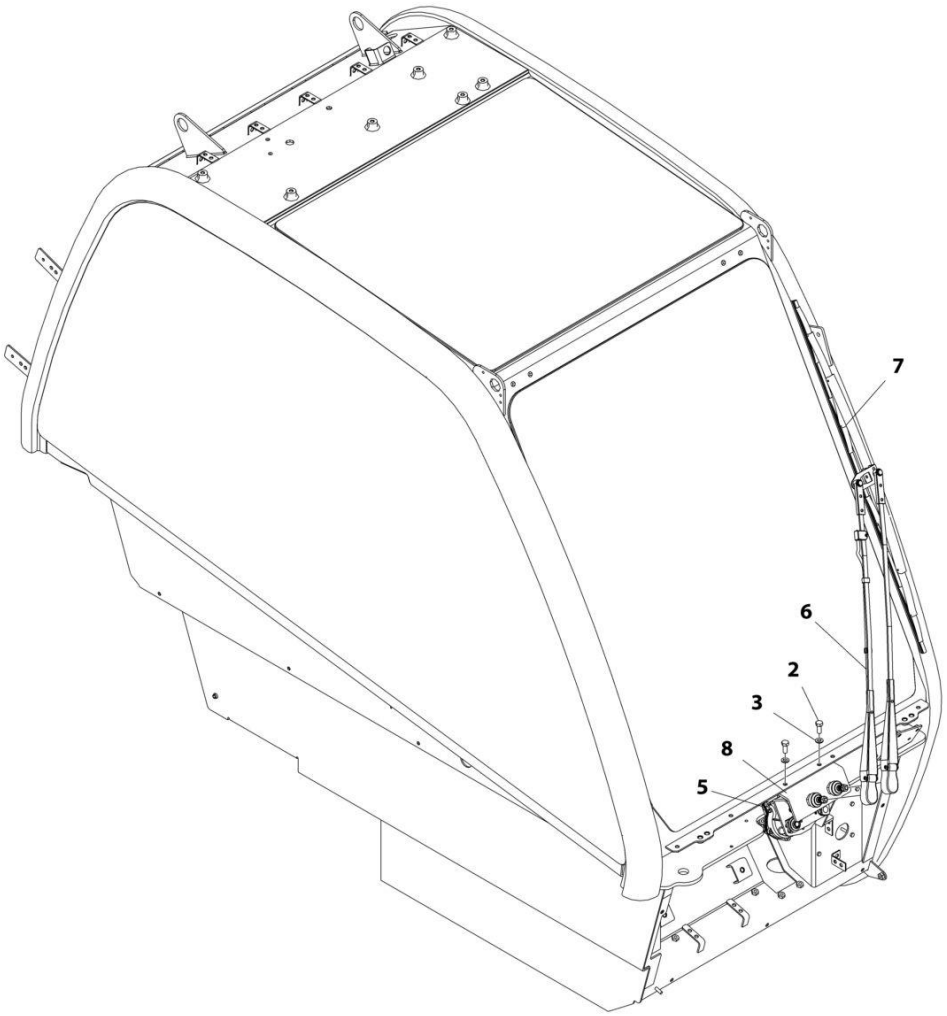


FIGURE 6-17. FRONT WIPER INSTALLATION

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 6-18. LEVEL INDICATOR INSTALLATION

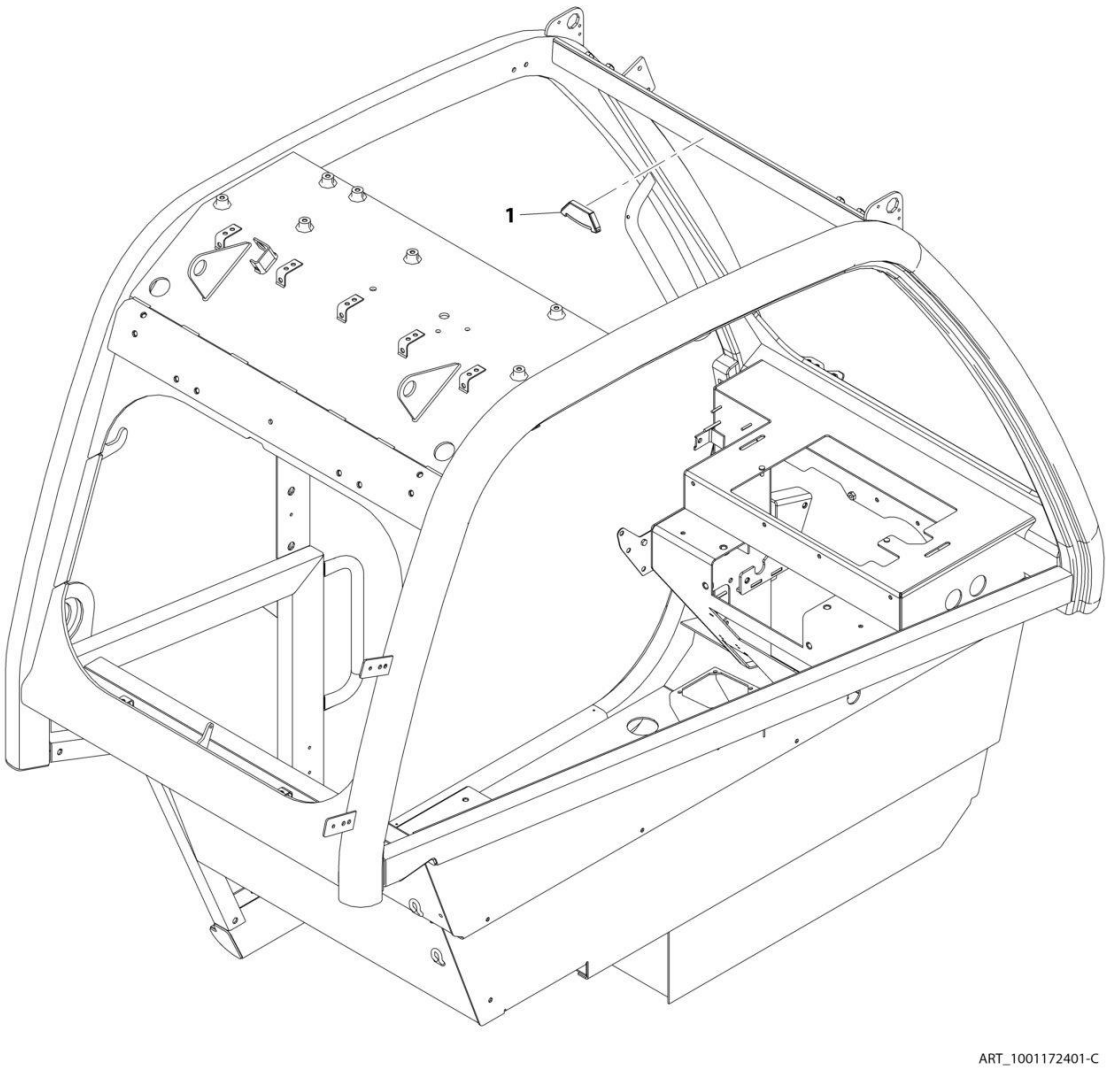
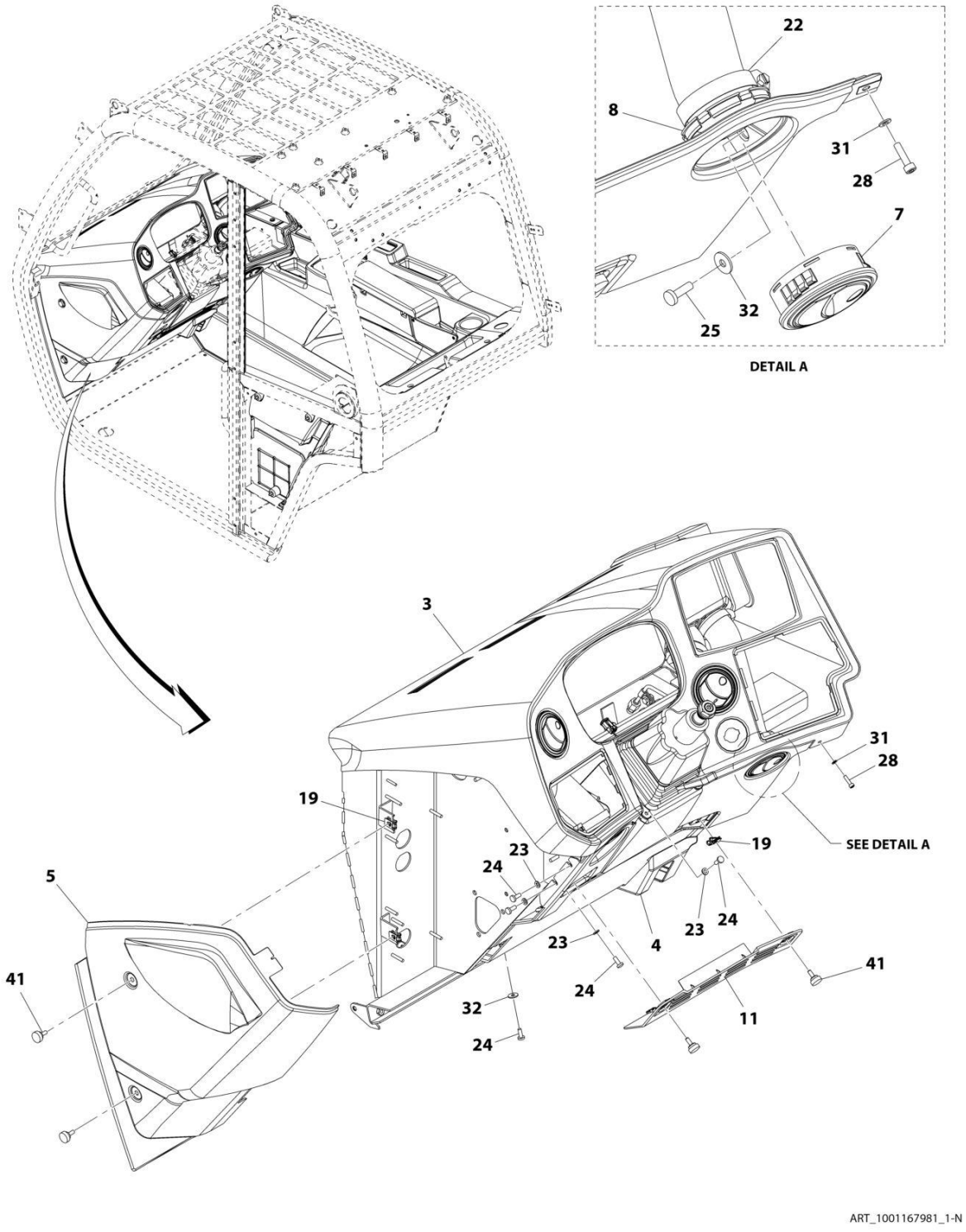


FIGURE 6-18. LEVEL INDICATOR INSTALLATION

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

FIGURE 6-19. ENCLOSED CAB TRIM INSTALLATION



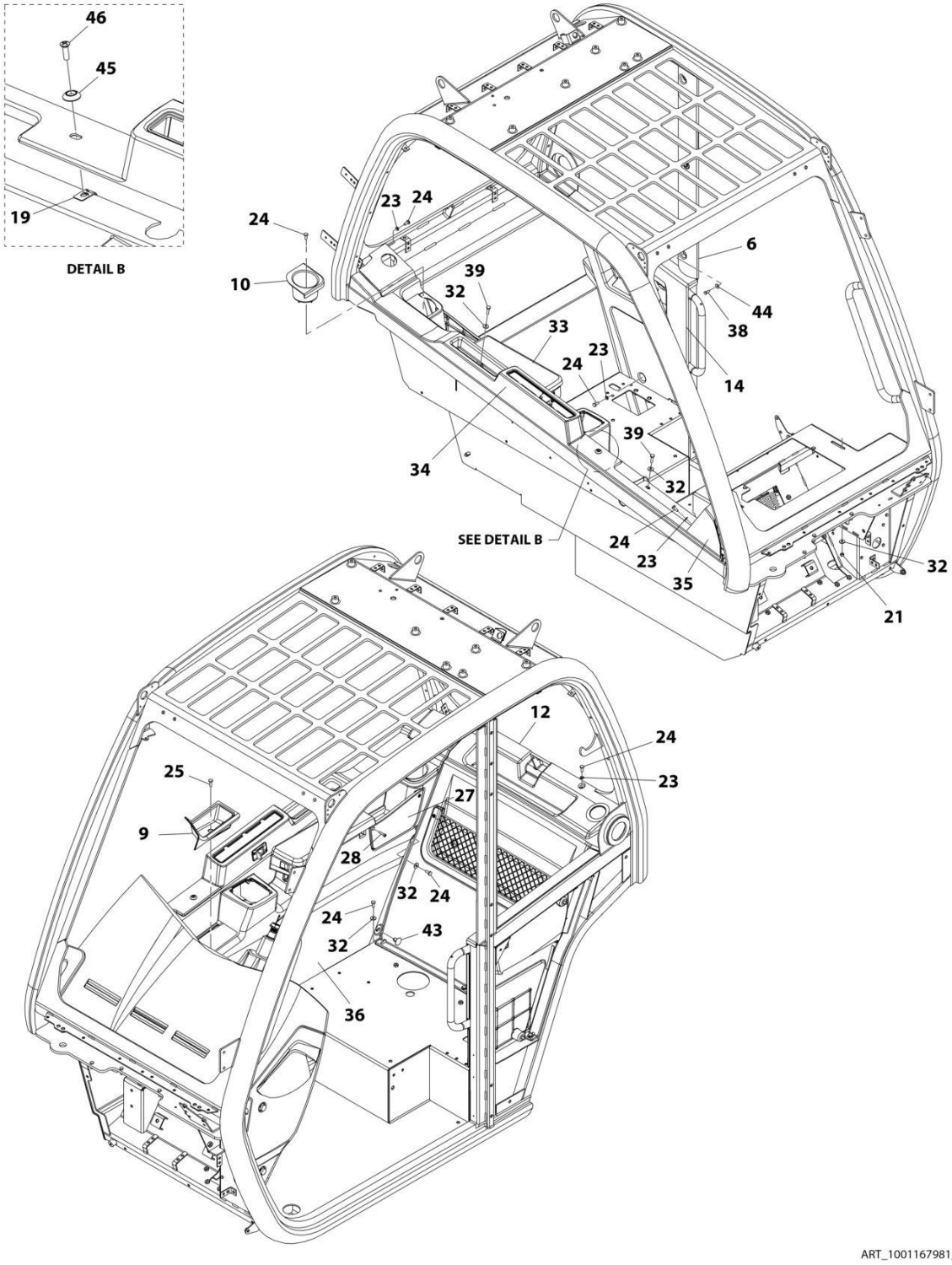

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FIGURE 6-19. ENCLOSED CAB TRIM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167981	Ref	Enclosed Cab Trim Installation	P
3	1001169604	1	Assembly, Dash Cover (See Separate Breakdown in this Section)	
4	1001175903	1	Panel, Lower Dash	
5	1001161855	1	Panel, LH Dash	
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	1001170519	1	Assembly, Rear Panel Cover (See Separate Breakdown in this Section)	
14	1001161068	1	Panel, Cover	
19	8305919	5	Nut, M6	
21	3290605	2	Nut, Lock M6X1 Grade 8	
22	8405201	2	Clamp, Gear	
23	4811700001	13	Washer, M6	
24	4010608002	20	Screw, M6X16	
25	4010610002	2	Screw, M6X20	
27	1001173965	1	Bezel, RH	
28	4031608001	3	Bolt, M5X20	
31	4811600	1	Washer, M5	
32	4811702001	12	Washer, M6	
33	1001181726	Ref	Installation, Adjustable Armrest (See Separate Breakdown in this Section)	
34	1001182834	1	Panel, Cover	
35	1001185870	1	Panel, Cover	
36	1001189182	1	Panel, Cover	
38	4010508002	3	Bolt, M5-.8X16	
39	4010612002	3	Screw, M6X25	
41	1001208308	4	Bolt, M6X15	
43	1001211907	1	Screw, Retainer	
44	4811602001	3	Washer, 5M	
45	1001098150	1	Washer, M6	
46	1001132564	1	Screw M6X20	

FIGURE 6-20. DASH COVER ASSEMBLY

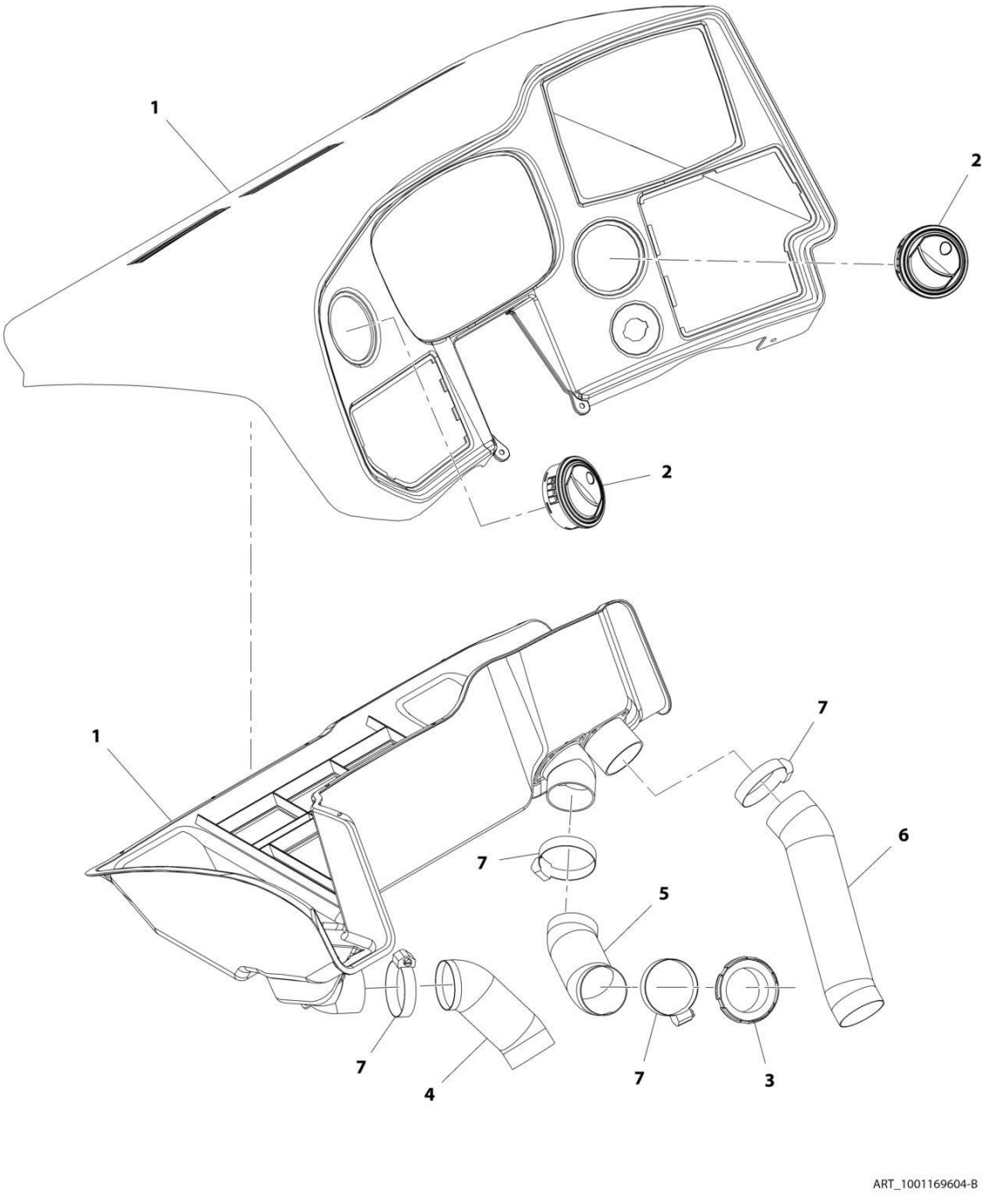


FIGURE 6-20. DASH COVER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169604	Ref	Dash Cover Assembly (Construction)	B
1	1001161851	1	Panel, Top Dash	
2	1001147449	2	Vent, Air	
3	1001149278	1	Vent, Connector	
4	1001174652	1	Hose	
5	1001174653	1	Hose	
6	1001174655	1	Hose	
7	8405201	4	Clamp, Gear	

FIGURE 6-21. REAR PANEL COVER ASSEMBLY

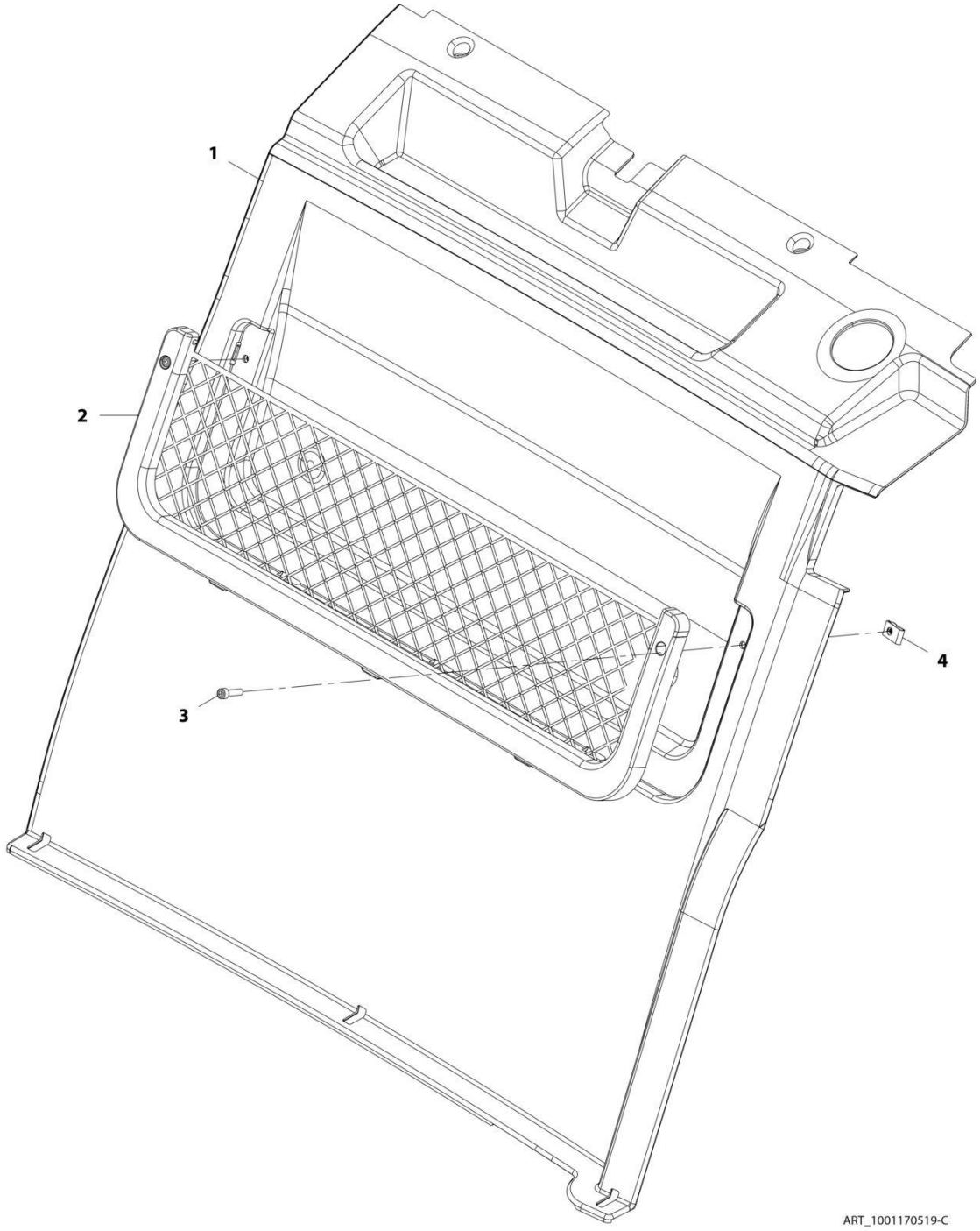


FIGURE 6-21. REAR PANEL COVER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170519	Ref	Rear Panel Cover Assembly	C
1	1001161067	1	Panel, Rear	
2	1001170514	1	Storage Net, Rear Panel	
3	4031608	2	Bolt, M5X20	
4	1001183550	2	Nut, Cage M5	

FIGURE 6-22. ADJUSTABLE ARMREST INSTALLTION

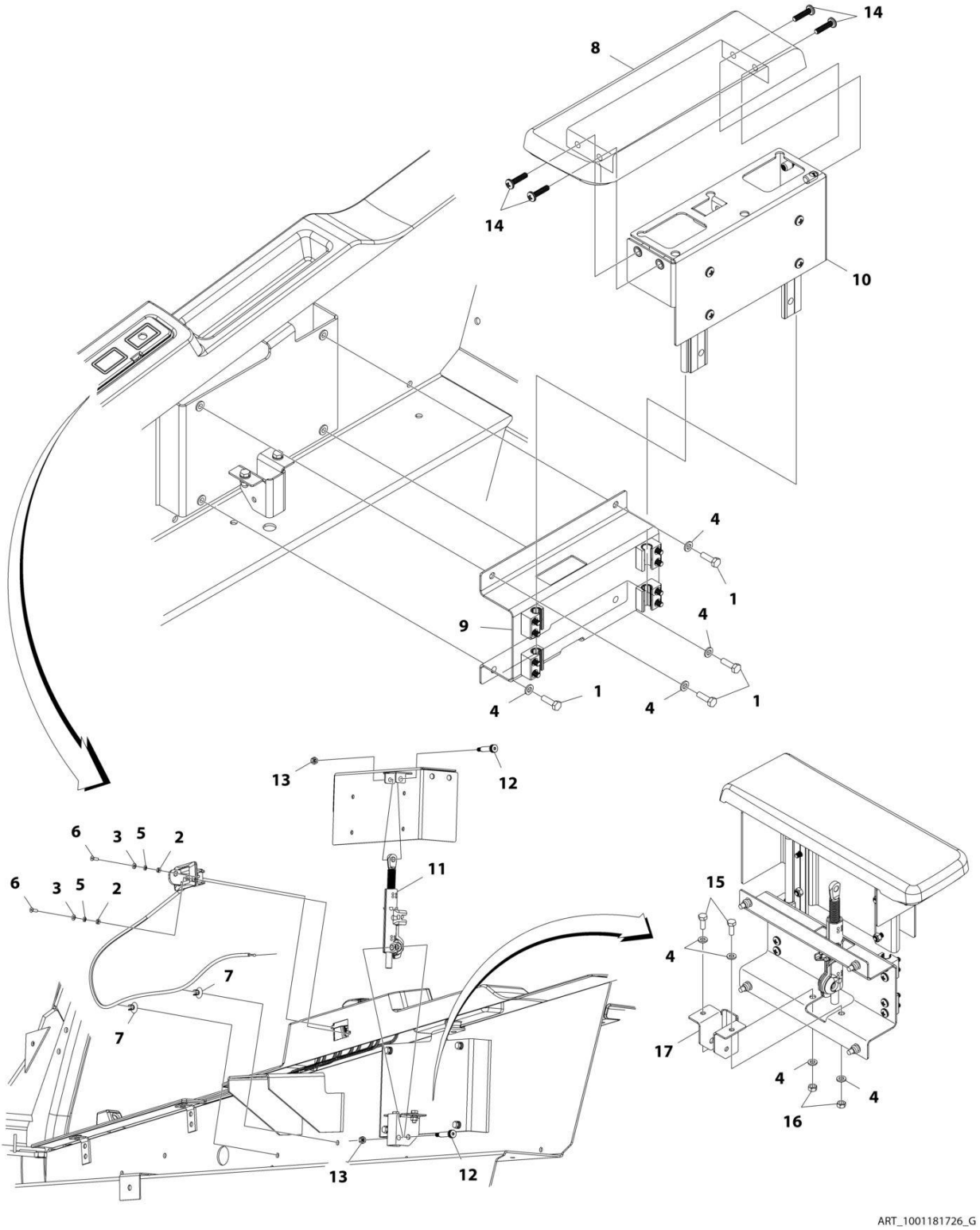


FIGURE 6-22. ADJUSTABLE ARMREST INSTALLTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181726	Ref	ADJUSTABLE ARMREST INSTALLTION	G
1	0700610	4	Bolt, M6X20	
2	3290401	2	Nut, M4X0.7	
3	4811400	2	Washer, M4	
4	4811700	8	Washer, M6	
5	4831400	2	Washer, Lock M4	
6	1001097244	2	Screw, M4X12	
7	1001165458	2	Hose	
8	1001191281	1	Armrest (See Separate Breakdown in this Section)	
9	1001191283	1	Bracket, Fixed Armrest (See Separate Breakdown in this Section)	
10	1001191284	1	Bracket, Moving Armrest (See Separate Breakdown in this Section)	
11	1001283175	1	Spring	
12	1001191370	2	Screw, M6	
13	3290605	2	Nut, M6X1 Grade 8	
14	4010612002	4	Screw, M6X25	
15	0760608	2	Bolt, M6X16	
16	3290601	2	Nut, M6X1	
17	1001212468	1	Bracket, Locking Spring Mount	

FIGURE 6-23. ARMREST

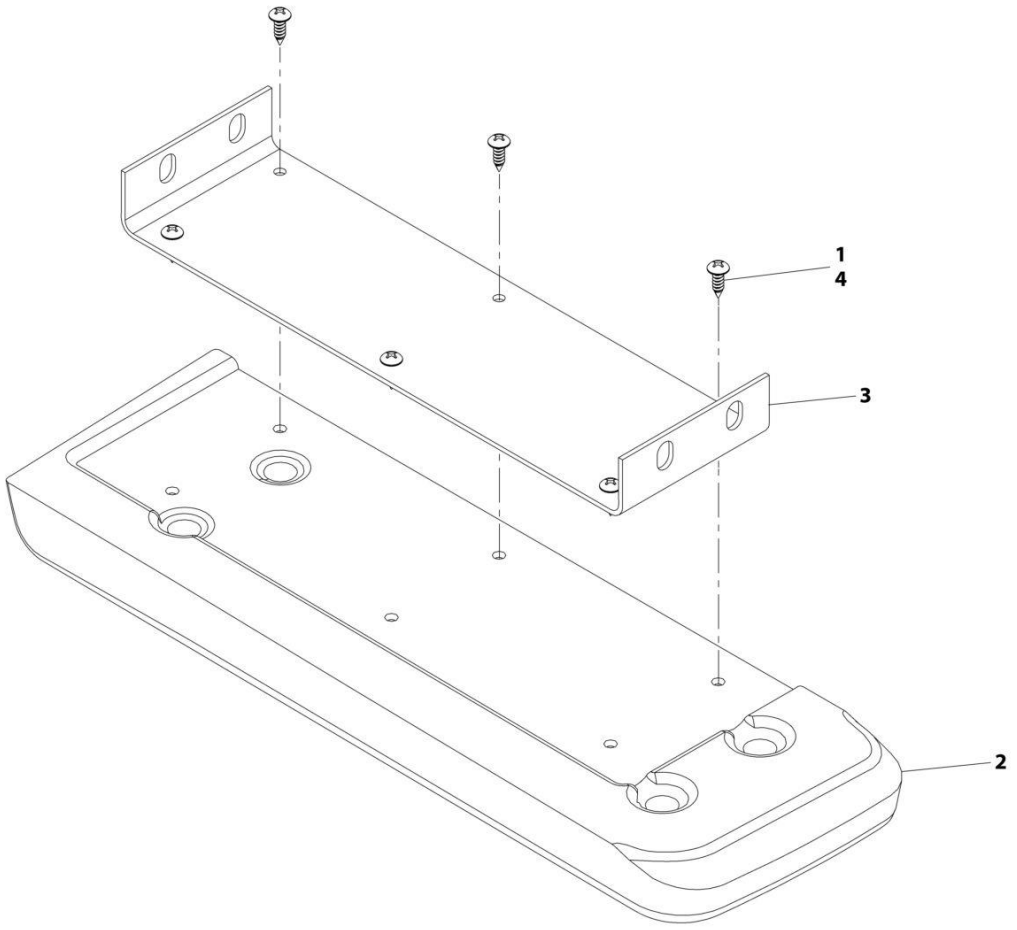
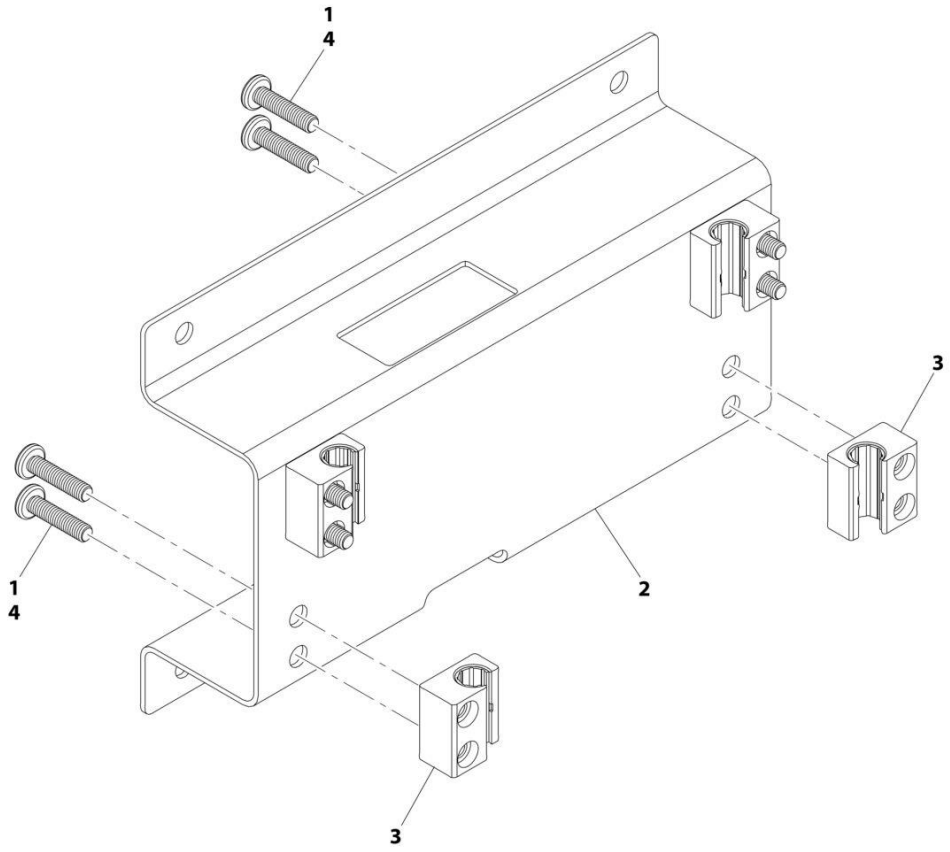


FIGURE 6-23. ARMREST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191281	Ref	Armrest	E
1	1001095650	AR	Adhesive	
2	1001179484	1	Armrest, Cab	
3	1001191282	1	Bracket, Armrest Pad	
4	1001192240	6	Screw	

FIGURE 6-24. FIXED ARMREST BRACKET



ART_1001191283-B

FIGURE 6-24. FIXED ARMREST BRACKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191283	Ref	Fixed Armrest Bracket	B
1	1001095650	AR	Adhesive	
2	1001183597	1	Armrest Bracket	
3	1001191310	4	Slide Block	
4	4010612002	8	Screw	

FIGURE 6-25. MOVING ARMREST BRACKET

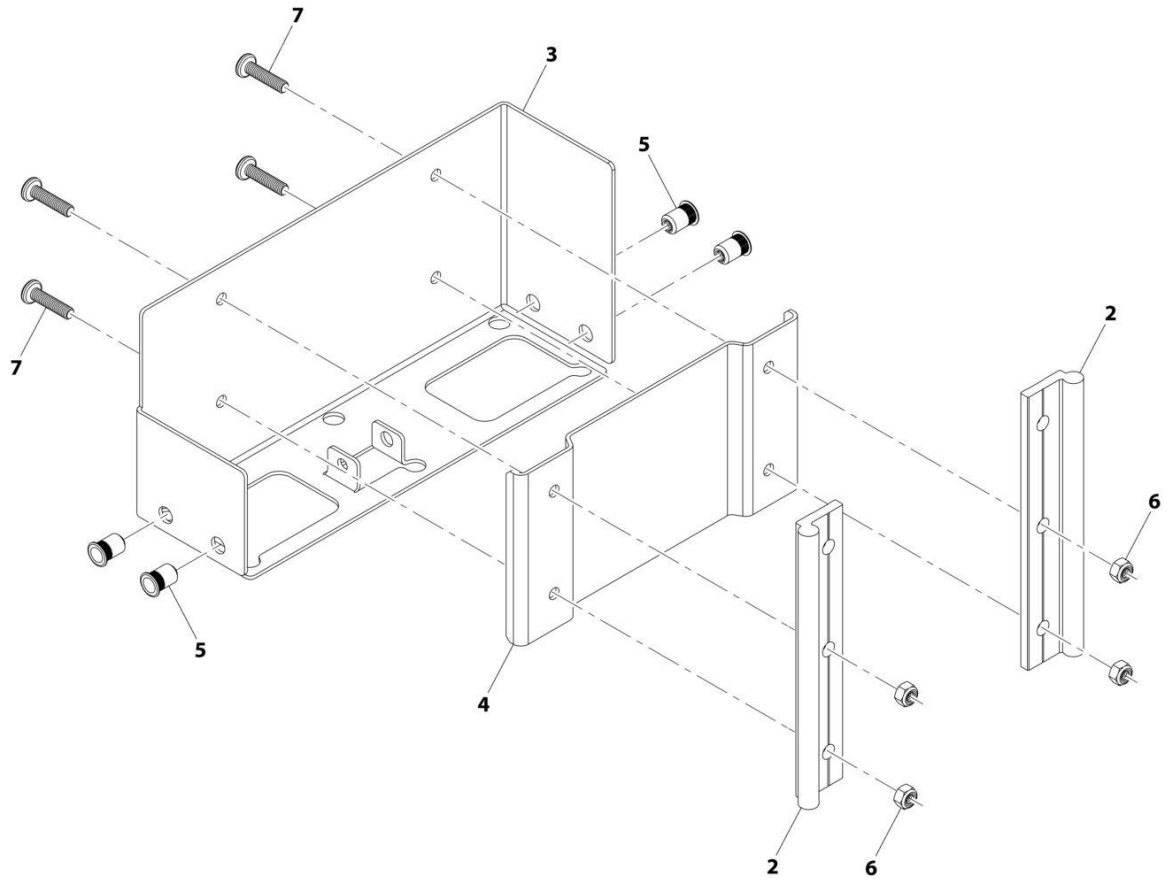


FIGURE 6-25. MOVING ARMREST BRACKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191284	Ref	Moving Armrest Bracket	B
2	1001191311	2	Side Rail	
3	1001191312	1	Armrest Mount Bracket	
4	1001191313	1	Spacer Block Plate	
5	1001191959	4	Rivenut M6 X 1	
6	3290605	4	Nut, Lock M6X1	
7	4010612002	4	Screw, M6X25	

FIGURE 6-26. BEACON TERMINAL INSTALLATION

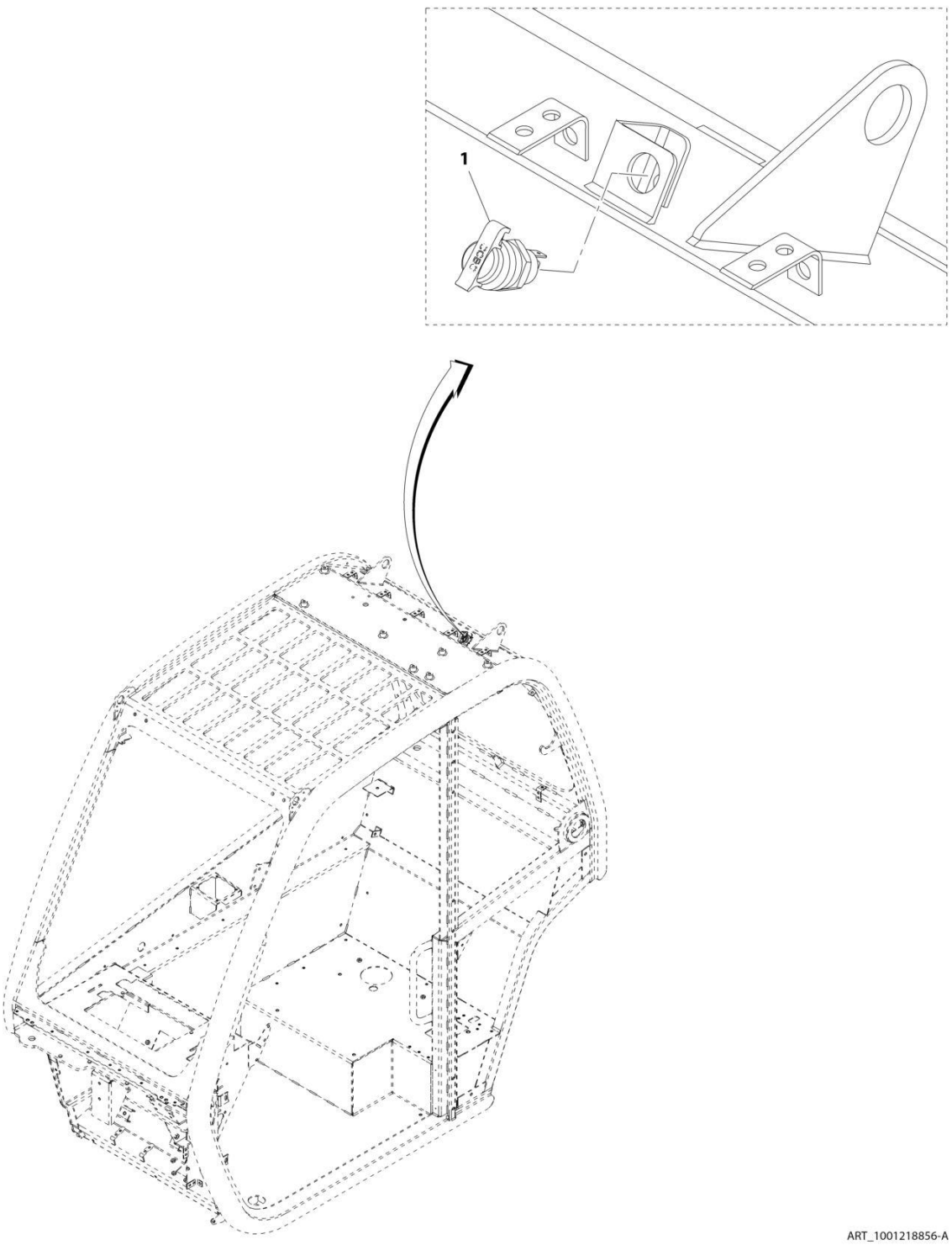


FIGURE 6-26. BEACON TERMINAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001218856	Ref	Beacon Bracket Installation	A
1	4461174	1	Plug, 12V Power	

FIGURE 6-27. WASHER HOSES INSTALLATION

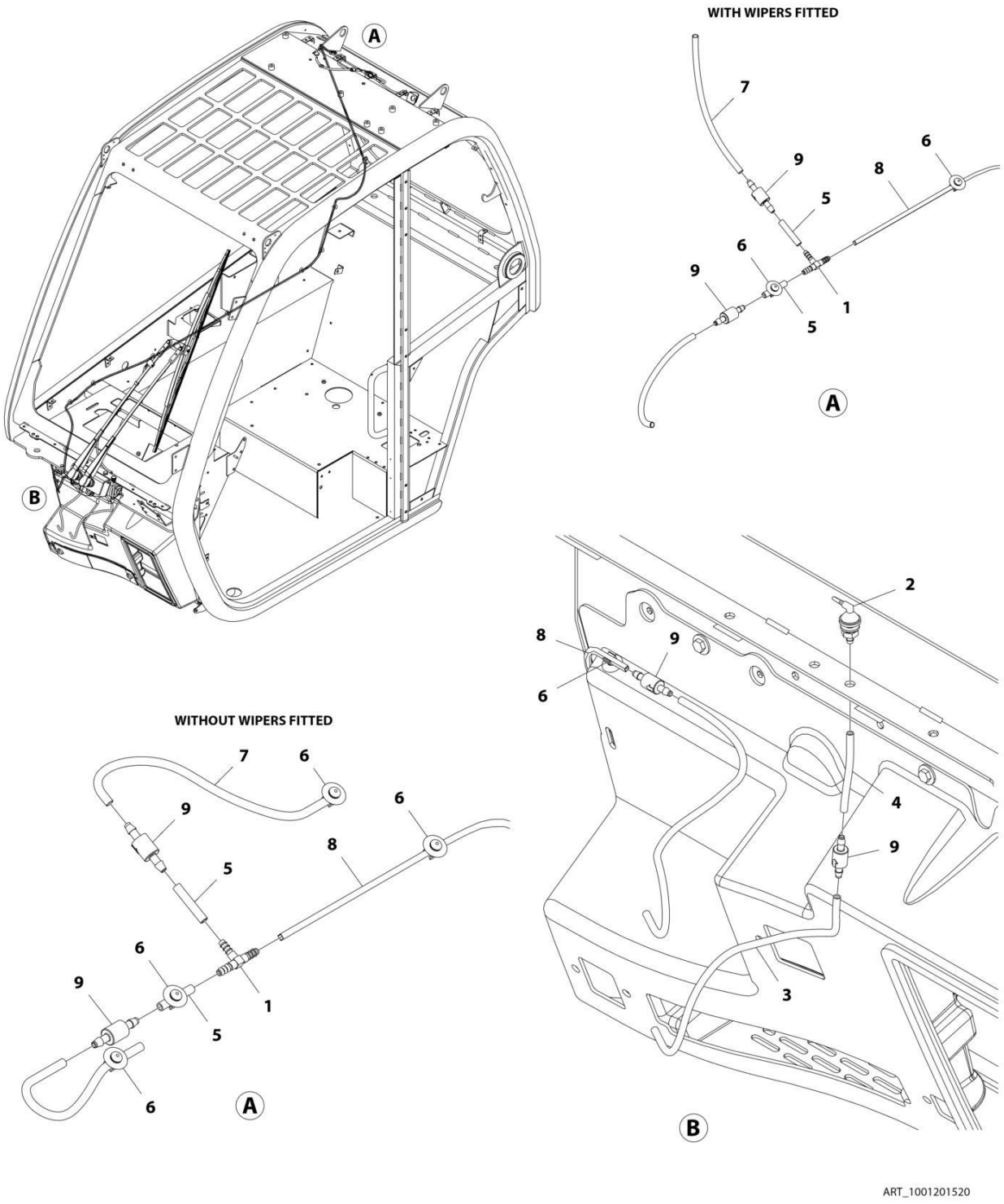


FIGURE 6-27. WASHER HOSES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201520	Ref	WASHER HOSES INSTALLATION	C
1	1001008742	1	Coupling, Tee	
2	1001090343	1	Connector	
3	1001165351	2	Hose	
4	1001165416	1	Hose	
5	1001165455	2	Hose	
6	1001165458	16	Mount, Hose	
7	1001178123	2	Hose	
8	1001180045	1	Hose	
9	1001201331	4	Valve, Check	

FIGURE 6-28. HAMMER INSTALLATION

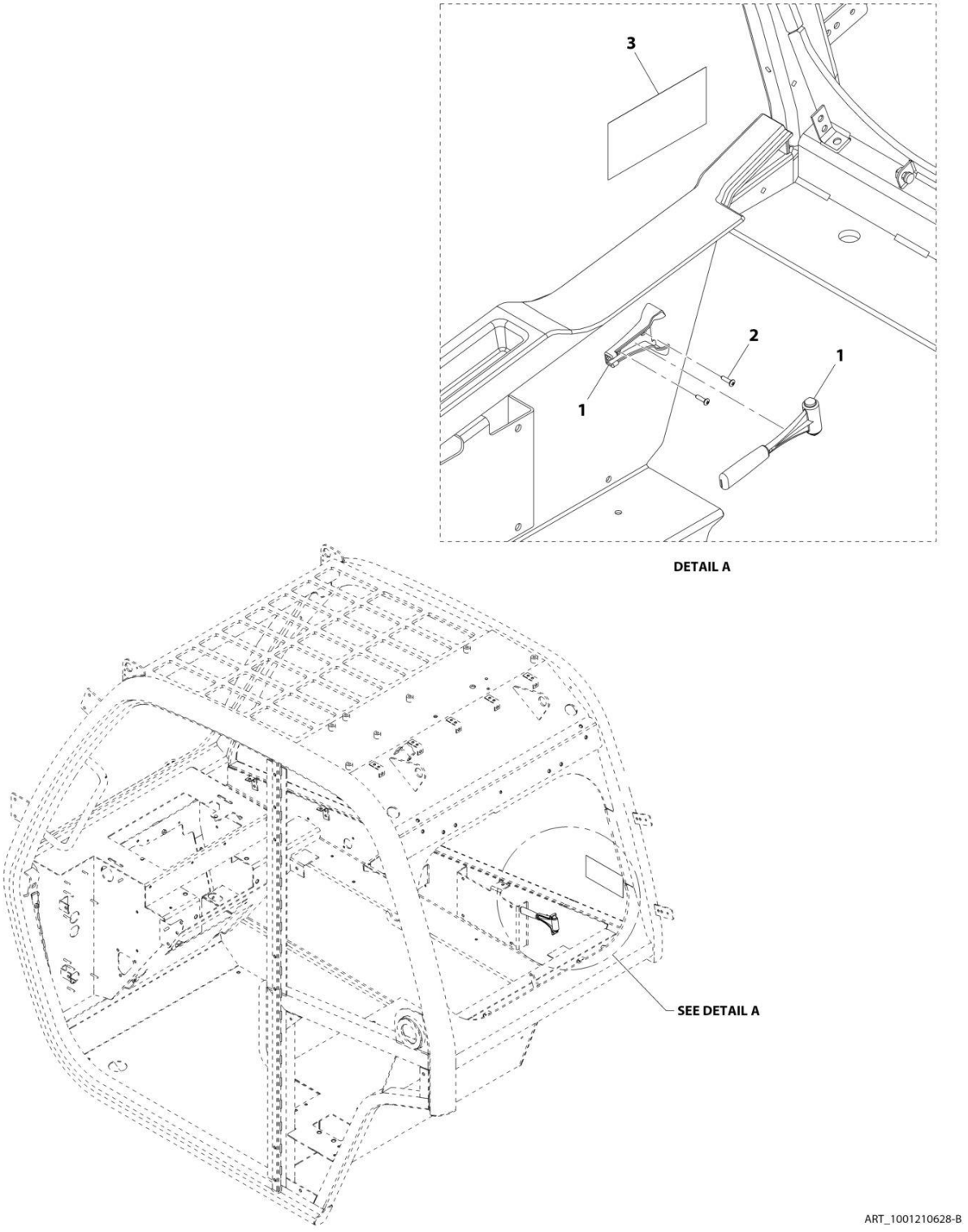


FIGURE 6-28. HAMMER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210628	Ref	Hammer Installation	B
1	1001005038	1	Assembly, Hammer Attachment (See Separate Breakdown in this Section)	
2	1001005193	2	Screw	
3	1001215804	1	Decal, Emergency Exit	

FIGURE 6-29. HAMMER ATTACHMENT ASSEMBLY

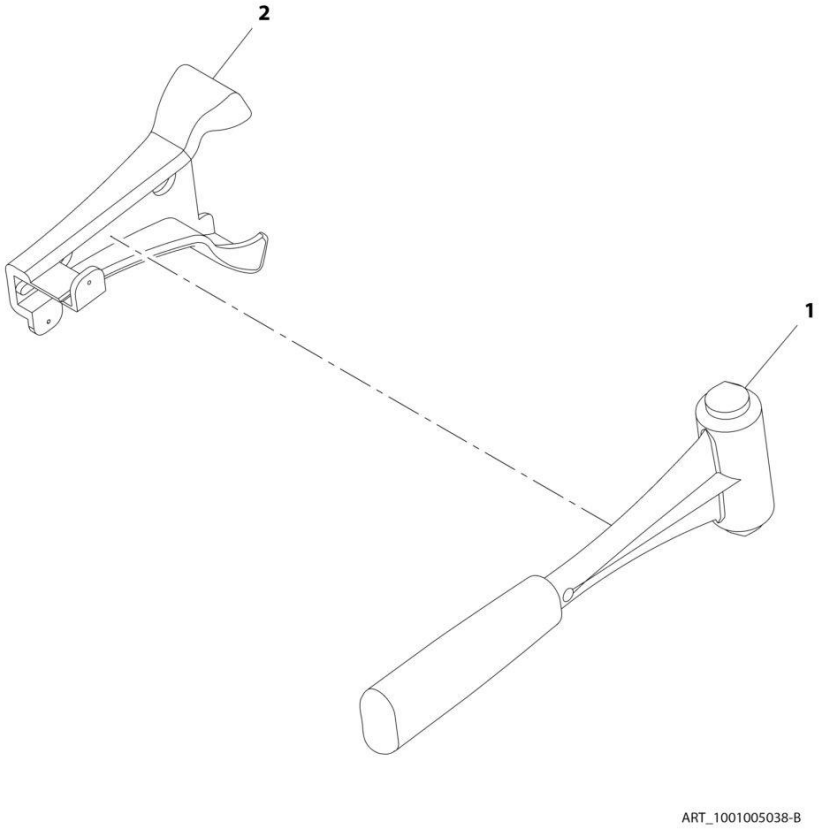


FIGURE 6-29. HAMMER ATTACHMENT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001005038	Ref	Hammer Attachment Assembly	B
1	1001006954	1	Hammer	
2	1001006955	1	Bracket, Hammer	

FIGURE 6-30. FRONT COVER INSTALLATION

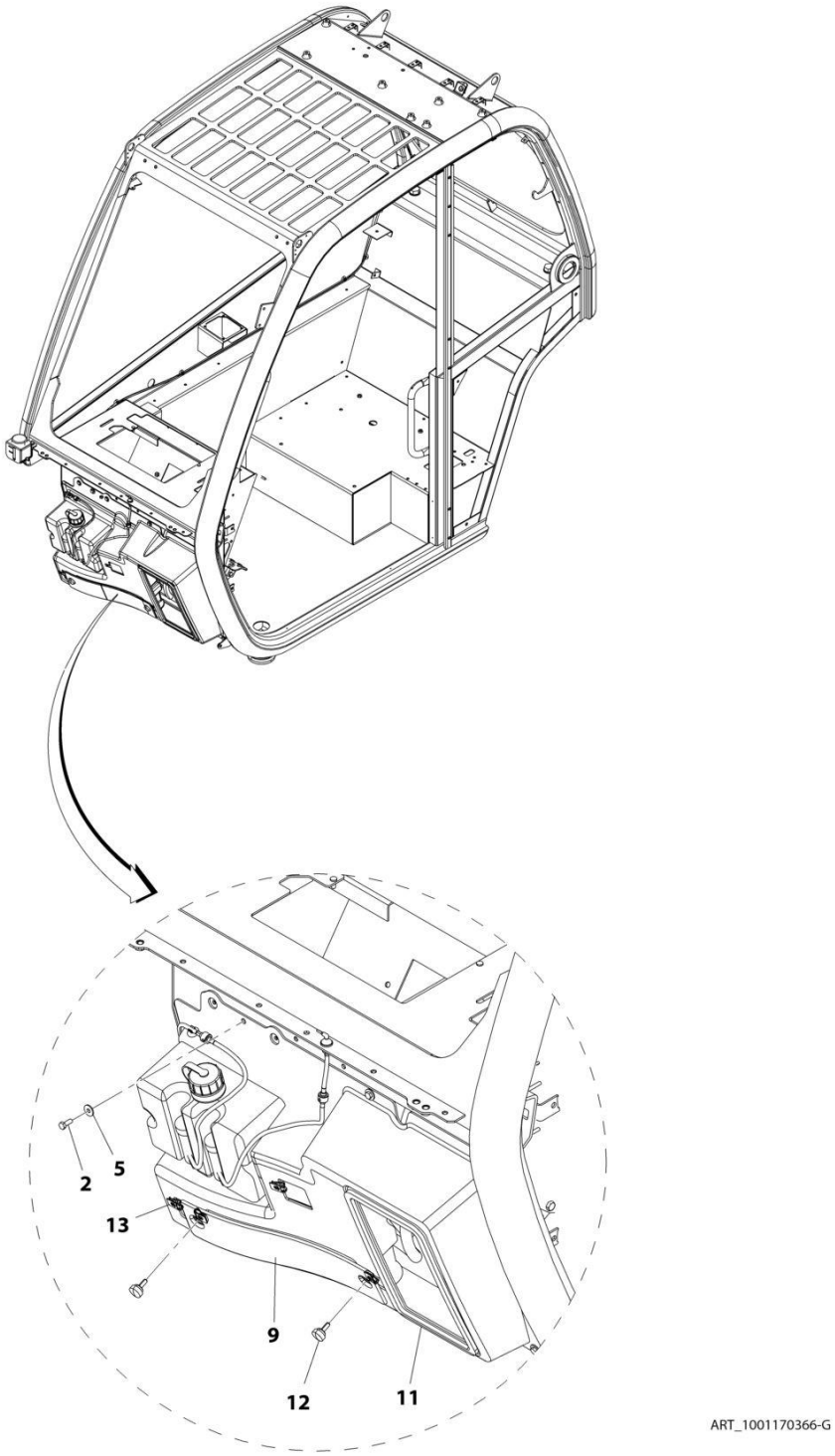
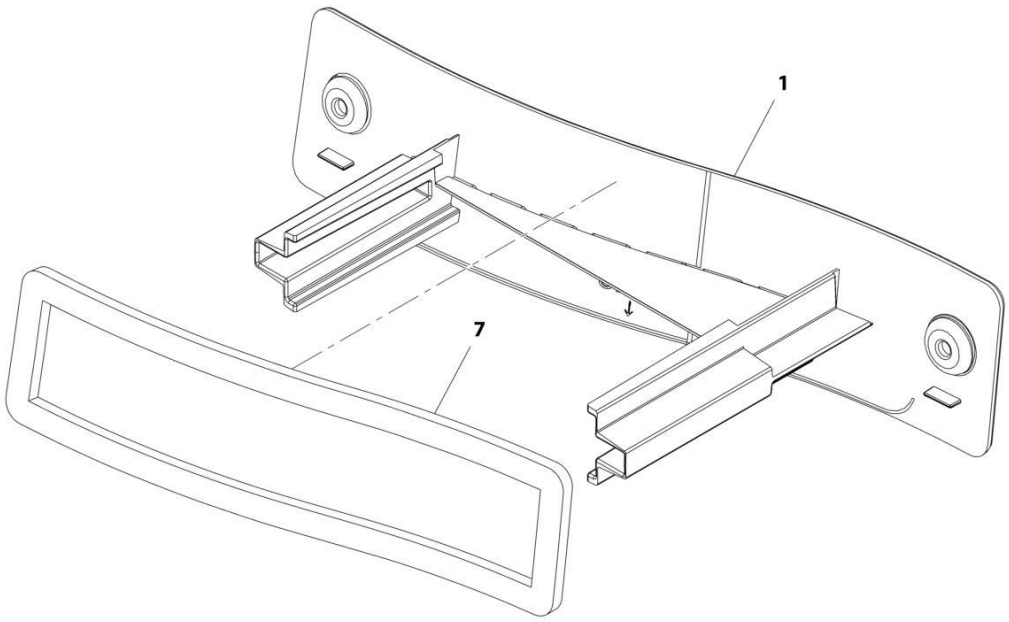


FIGURE 6-30. FRONT COVER INSTALLATION

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 6-31. FILTER TRAY PANEL



ART_1001175471-D

FIGURE 6-31. 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 6-32. FRONT DUCT COVER

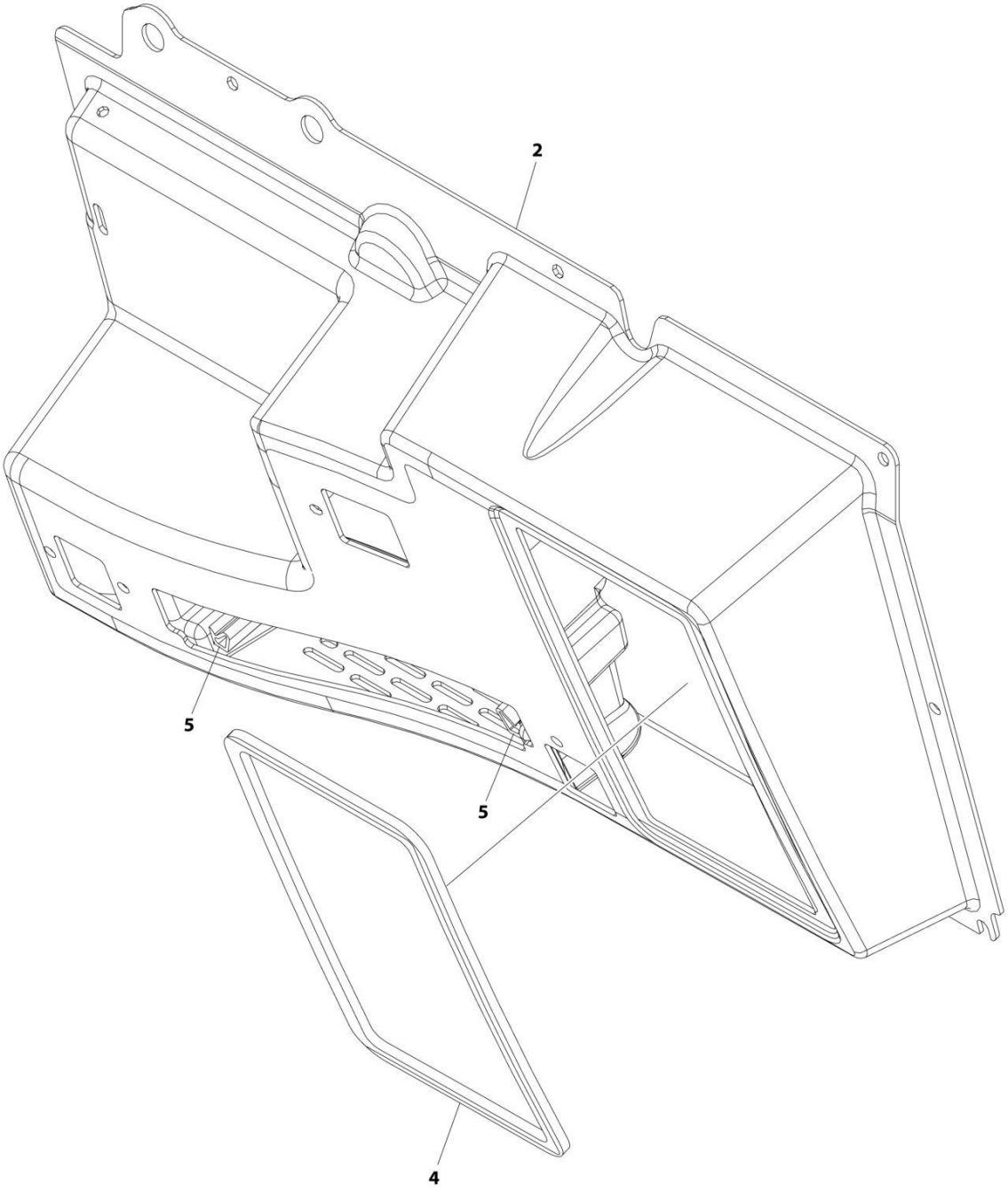


FIGURE 6-32. FRONT DUCT COVER

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 6-33. WASHER TANK INSTALLATION

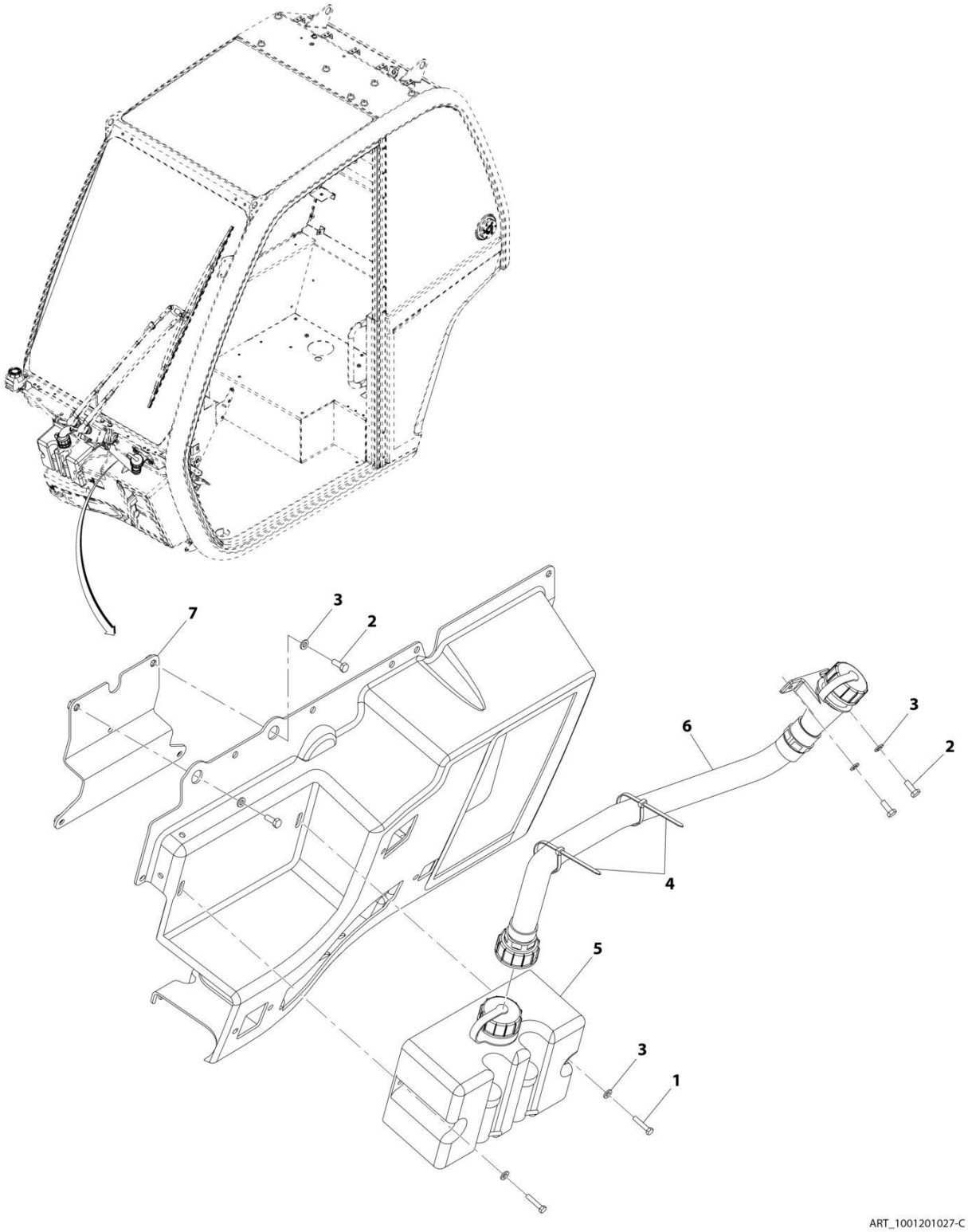
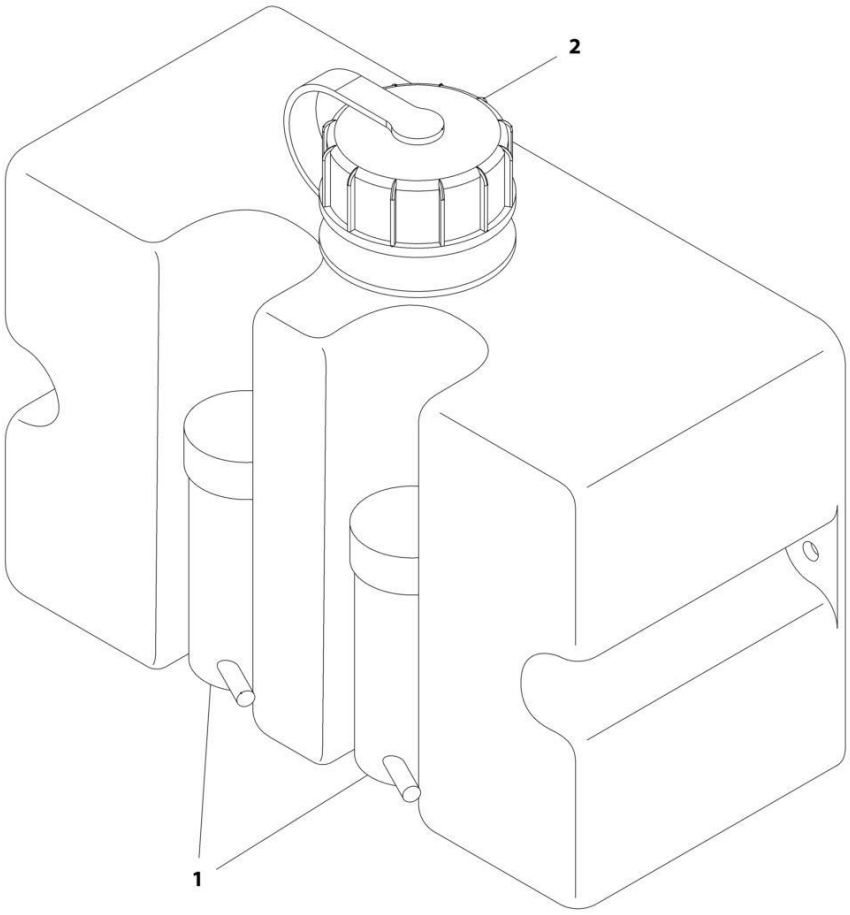


FIGURE 6-33. WASHER TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201027	Ref	Washer Tank Installation	C
1	0760512	2	Bolt M5X25	
2	0760608	4	Bolt, M6X16	
3	4811700	6	Washer, M6	
4	471678	2	Band, Cable	
5	1001165269	1	Bottle, Washer (See Separate Breakdown in this Section)	
6	1001165270	1	Hose, Washer Filler	
7	1001171756	1	Bracket	

FIGURE 6-34. WASHER BOTTLE



ART_1001165269-B

FIGURE 6-34. WASHER BOTTLE

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

FIGURE 6-35. SEAT INSTALLATION (AIR SUSPENSION - STANDARD)

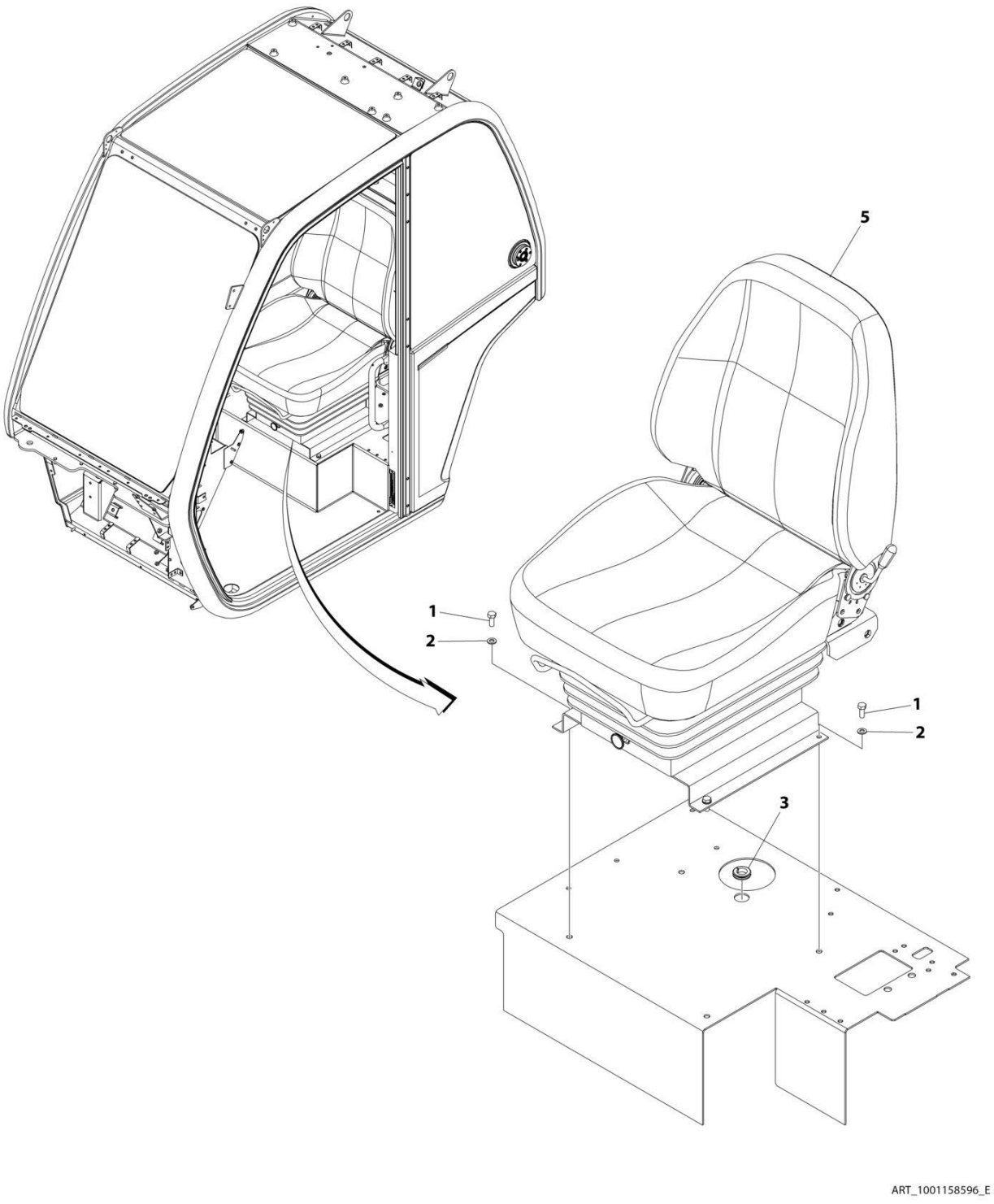


FIGURE 6-35. SEAT INSTALLATION (AIR SUSPENSION - STANDARD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158596	Ref	SEAT INSTALLATION (AIR SUSPENSION - STANDARD)	E
1	0760810	4	Bolt, M8X20	
2	4811900	4	Washer, M8	
3	1001216974	1	Grommet	
5	1001280471	1	Seat Assembly (See Separate Breakdown in this Section)	

FIGURE 6-36. SEAT ASSEMBLY (AIR SUSPENSION - STANDARD)

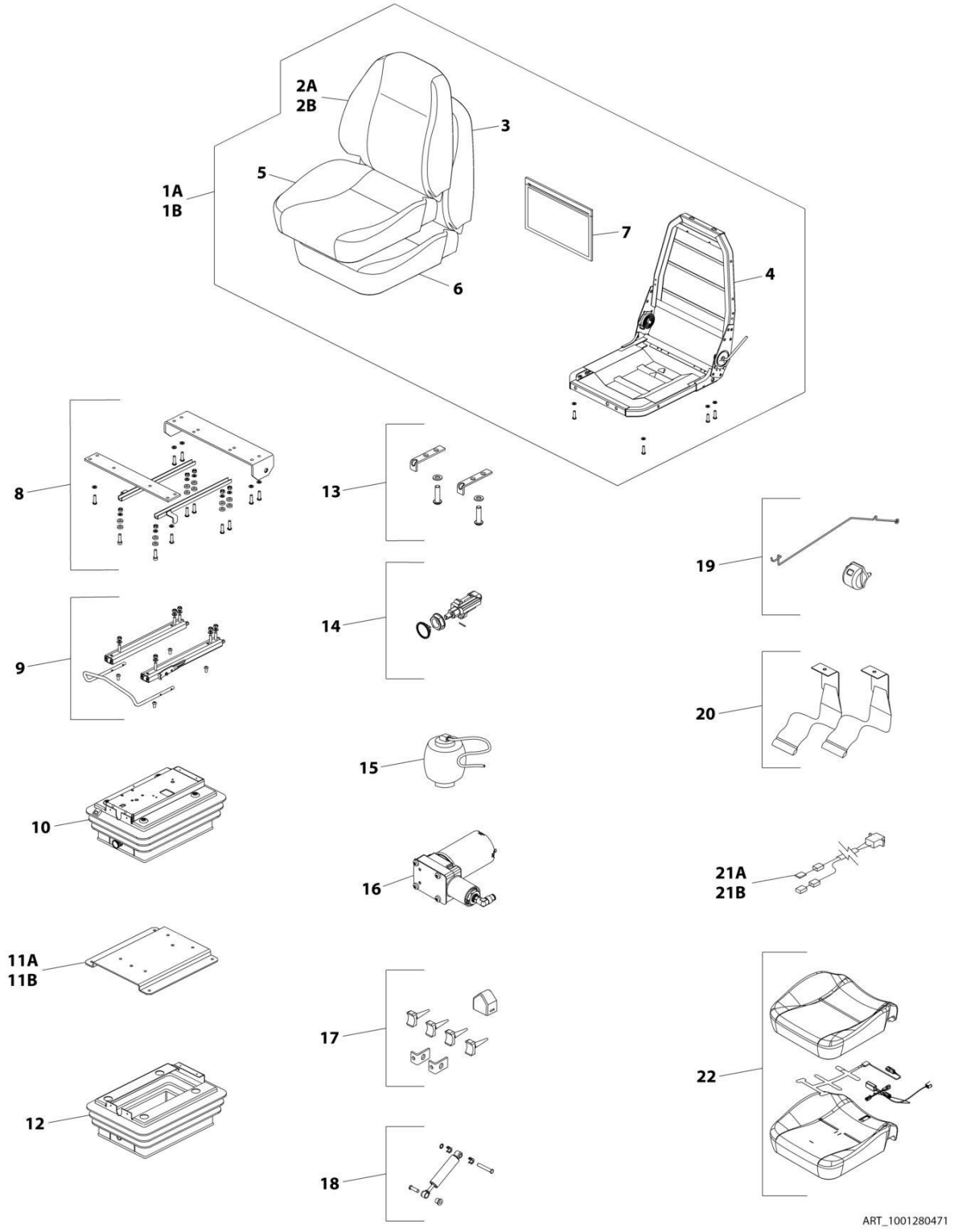


FIGURE 6-36. SEAT ASSEMBLY (AIR SUSPENSION - STANDARD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001280471	Ref	SEAT ASSEMBLY (AIR SUSPENSION - STANDARD)	A
1A	70031050	1	Cushion and Frame Assembly (Without Sensor) (Includes Items 2-7)	
1B	70031051	1	Cushion and Frame Assembly (With Sensor) (Includes Items 2-7)	
2A	70027399	1	Fabric, Seat Back (Without Sensor)	
2B	70031052	1	Fabric, Seat Back (With Sensor)	
3	80264002	1	Foam, Seat Back	
4	70021314	1	Frame, Seat Bottom and Back	
5	70027394	1	Fabric, Seat Bottom	
6	80264004	1	Foam, Seat Bottom	
7	70021316	1	Document Bag Kit	
8	70021317	1	Frame Mount Kit	
9	70021318	1	Fore/Aft Side Adjustment Kit	
10	70021319	1	Suspension Kit	
11A	70021320	1	Mounting Plate Kit (16.5mm Height)	
11B	70027395	1	Mounting Plate Kit (44.5mm Height)	
12	70021321	1	Cover, Suspension	
13	70021322	1	Side Rail Stop Kit	
14	70021323	1	Air Valve Kit	
15	70021324	1	Air Spring Kit	
16	70021325	1	Compressor Kit	
17	70021326	1	Limit Switches Kit	
18	70021327	1	Damper Kit	
19	70021328	1	Ride Indicator Kit	
20	70021329	1	Seatbelts Kit	
21A	70021330	1	Seat Adapter Harness (Without Sensor)	
21B	70031053	1	Seat Adapter Harness (With Sensor)	
22	70031054	1	Cover/Foam/Sensor Kit (Includes Items 5 & 6)	

FIGURE 6-37. UPPER SEAT ASSEMBLY

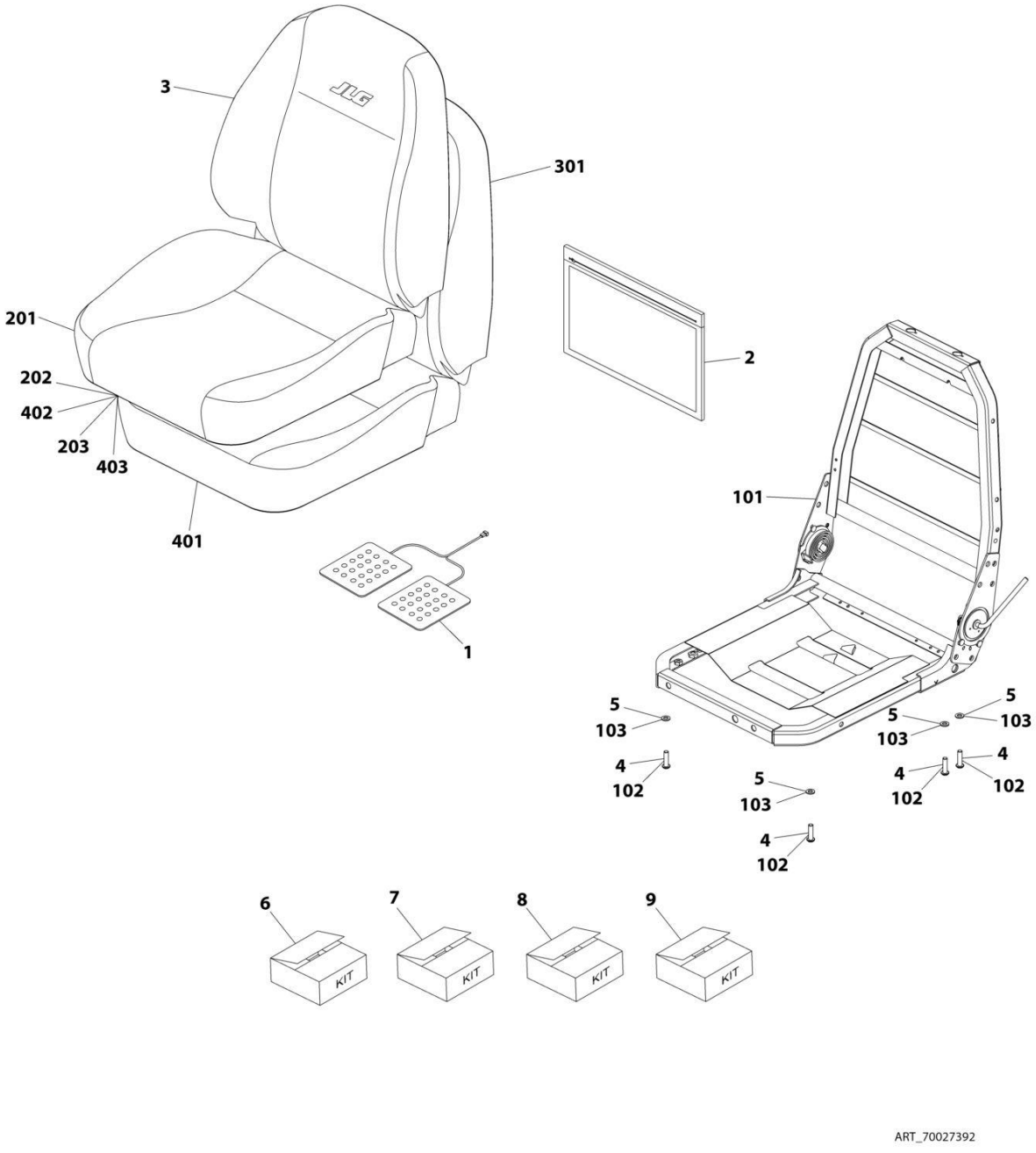


FIGURE 6-37. UPPER SEAT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027392	Ref	Upper Seat Assembly	
1	70025539	1	Pad, Sensor	
2	70021316	1	Bag	
3	70027393	1	Cover, Back	
4	N.S.S.	4	Bolt, M8X25	
5	N.S.S.	4	Washer	
6	70021314	1	Kit, Frame (includes items 101 thru 103)	
7	70027394	1	Kit, Bottom Seat Cover (includes items 201 thru 203)	
8	80264002	1	Kit, Back Foam (includes items 301 thru 303)	
9	80264004	1	Kit, Seat Foam (includes items 401 thru 403)	
101	N.S.S.	1	Frame, Seat	
102	N.S.S.	4	Bolt, M8X25	
103	N.S.S.	4	Washer	
201	N.S.S.	1	Cover, Seat	
202	N.S.S.	2	Clip	
203	N.S.S.	17	Clip	
301	N.S.S.	1	Foam, Back	
302	N.S.S.	3	Bar, Trim	
303	N.S.S.	4	Ring	
401	N.S.S.	1	Foam, Seat	
402	N.S.S.	2	Clip	
403	N.S.S.	17	Clip	

FIGURE 6-38. SUSPENSION KIT

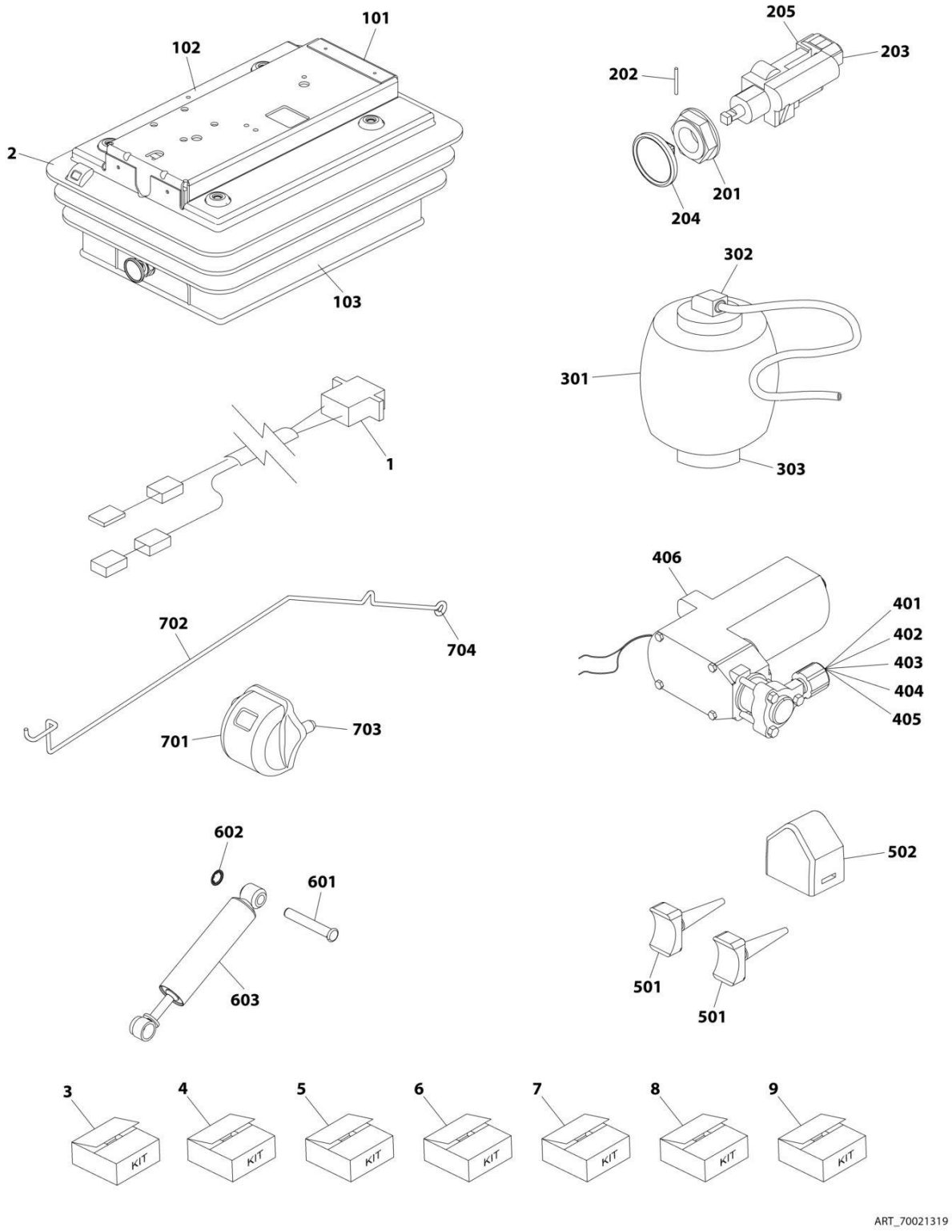


FIGURE 6-38. SUSPENSION KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70021319	Ref	Suspension Kit	
1	70021330	1	Lead, Fly	
2	N.S.S.	1	Suspension	
3	70021321	1	Kit, Suspension Cover (includes items 101 thru 103)	
4	70021323	1	Kit, Air Valve (includes items 201 thru 205)	
5	70021324	1	Kit, Air Spring (includes items 301 thru 303)	
6	70021325	1	Kit, Compressor (includes items 401 thru 406)	
7	70021326	1	Kit, Upstop/Bumpstop (includes items 501 & 502)	
8	70021327	1	Kit, Damper (includes items 601 thru 603)	
9	70021328	1	Kit, Ride Indicator (includes items 701 thru 704)	
101	N.S.S.	6	Clip, Cover	
102	N.S.S.	1	Cover, Suspension	
103	N.S.S.	5	Clip, Cover	
201	N.S.S.	1	Nut, Air Valve	
202	N.S.S.	1	Pin, Retaining	
203	N.S.S.	1	Valve, Combination	
204	N.S.S.	1	Knob	
205	N.S.S.	2	Tie, Plastic	
301	N.S.S.	1	Spring, Air	
302	N.S.S.	1	Clip	
303	N.S.S.	1	Screw, Countersunk Self Tapping	
401	N.S.S.	1	Clip	
402	N.S.S.	1	Pad	
403	N.S.S.	1	Loom	
404	N.S.S.	2	Tie, Cable	
405	N.S.S.	3	Tie, Plastic	
406	N.S.S.	1	Compressor (with Elbow)	
501	N.S.S.	2	Upstop	
502	N.S.S.	1	Bumpstop	
601	N.S.S.	2	Pin	
602	N.S.S.	2	Washer, Starlock	
603	N.S.S.	1	Damper	
701	N.S.S.	1	Indicator, Ride	
702	N.S.S.	1	Wire, Ride Indicator	
703	N.S.S.	2	Washer, Starlock	
704	N.S.S.	1	Washer, Grip M4	

FIGURE 6-39. SEAT INSTALLATION (PREMIUM)

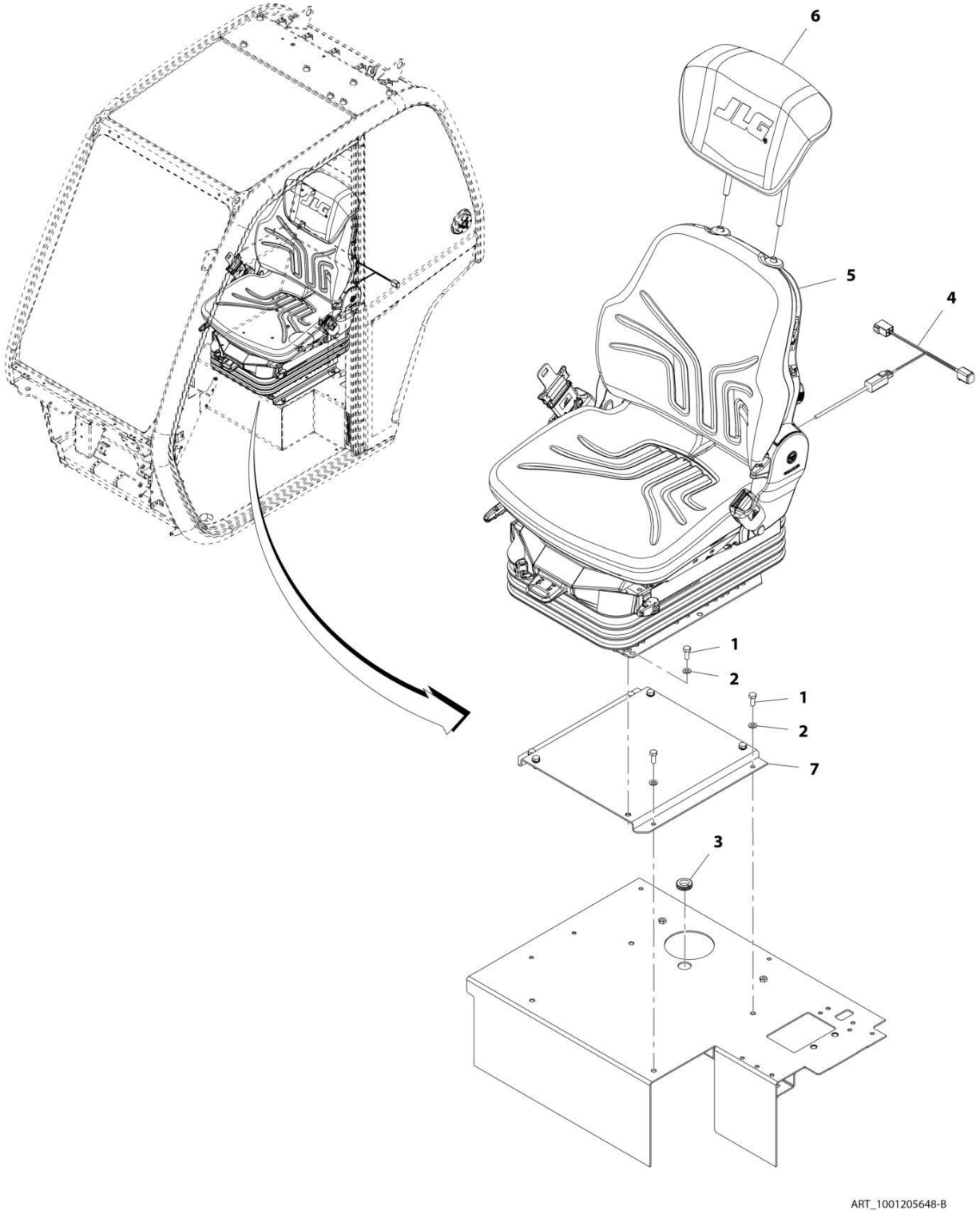


FIGURE 6-39. SEAT INSTALLATION (PREMIUM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205648	1	Installation, Seat (Premium)	B
1	0760810	8	Bolt, M8X20	
2	4811900	8	Washer, M8	
3	1001216974	1	Grommet	
4	1001168531	1	Harness, Seat Adaptor (See Separate Breakdown in this Section)	
5	1001169135	1	Assembly, Seat (See Separate Breakdown in this Section)	
6	1001182529	1	Headrest	
7	1001158736C	1	Plinth, Seat	

FIGURE 6-40. SEAT ASSEMBLY (AIR SUSPENSION - PREMIUM)

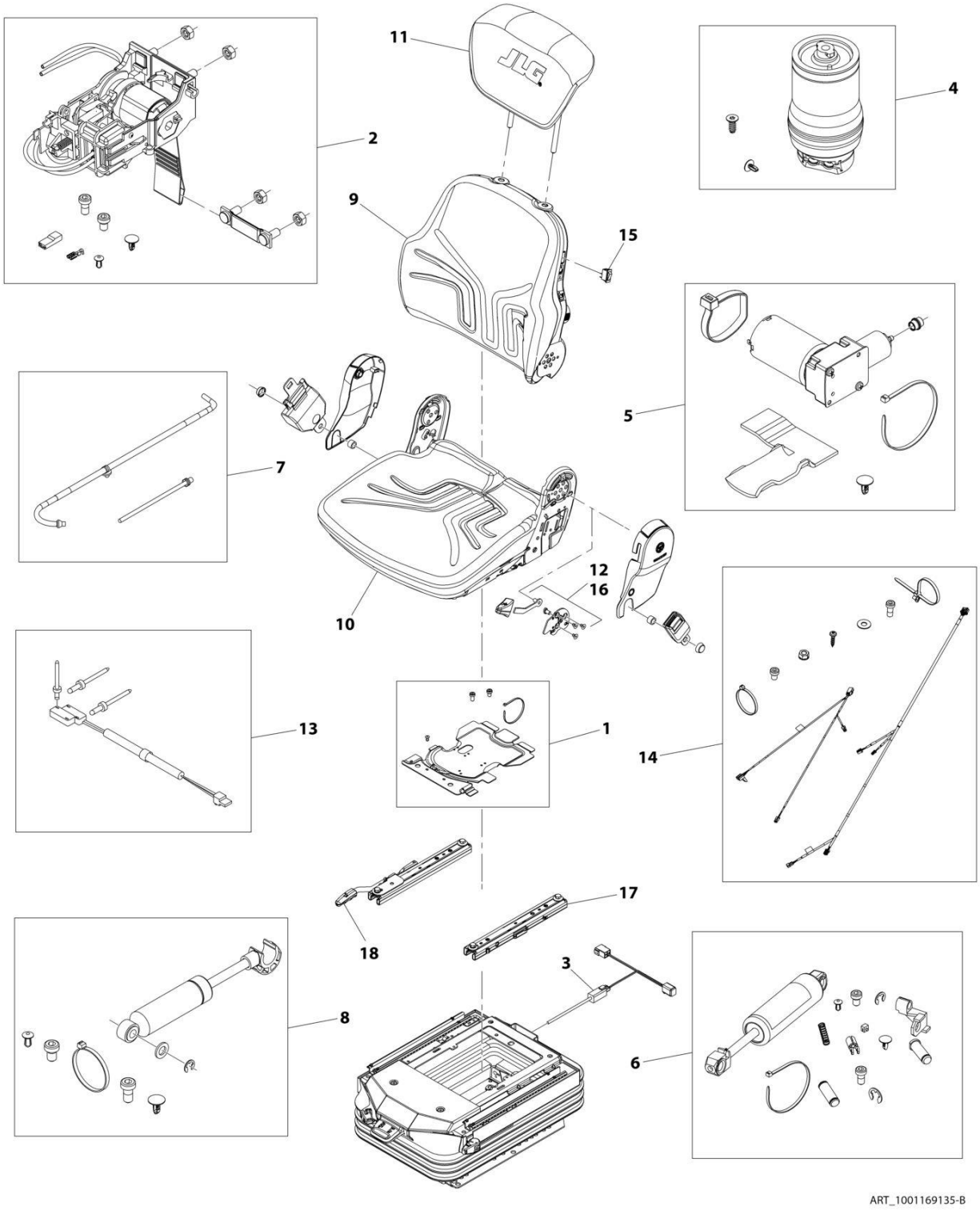


FIGURE 6-40. SEAT ASSEMBLY (AIR SUSPENSION - PREMIUM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169135	Ref	Seat Assembly (Air Suspension - Premium)	B
1	70024856	1	Cover	
2	70023182	1	Control Level Kit	
3	70023186	1	Wiring Harness, Air/Safeswitch	
4	70023184	1	Air Spring Kit	
5	70024857	1	Compressor, 12V	
6	70023181	1	Shock Absorber Kit	
7	70024459	1	Air Tubes Kit	
8	70023189	2	Shock Absorber Kit	
9	70023179	1	Back Cushion Kit	
10	70024858	1	Seat Cushion Kit	
11	1001182529	1	Headrest, Cloth	
12	70024859	1	Backrest Actuator	
13	70028326	1	Switch	
14	70024861	1	Wiring Harness	
15	70024107	1	Switch, Heater	
16	7028621	1	Handle, Backrest Angle Adjust	
17	3986643	1	Adjust Slide Kit	
18	3986610	1	Handle	

FIGURE 6-41. SEAT INSTALLATION (CLOTH)(SEAOP)

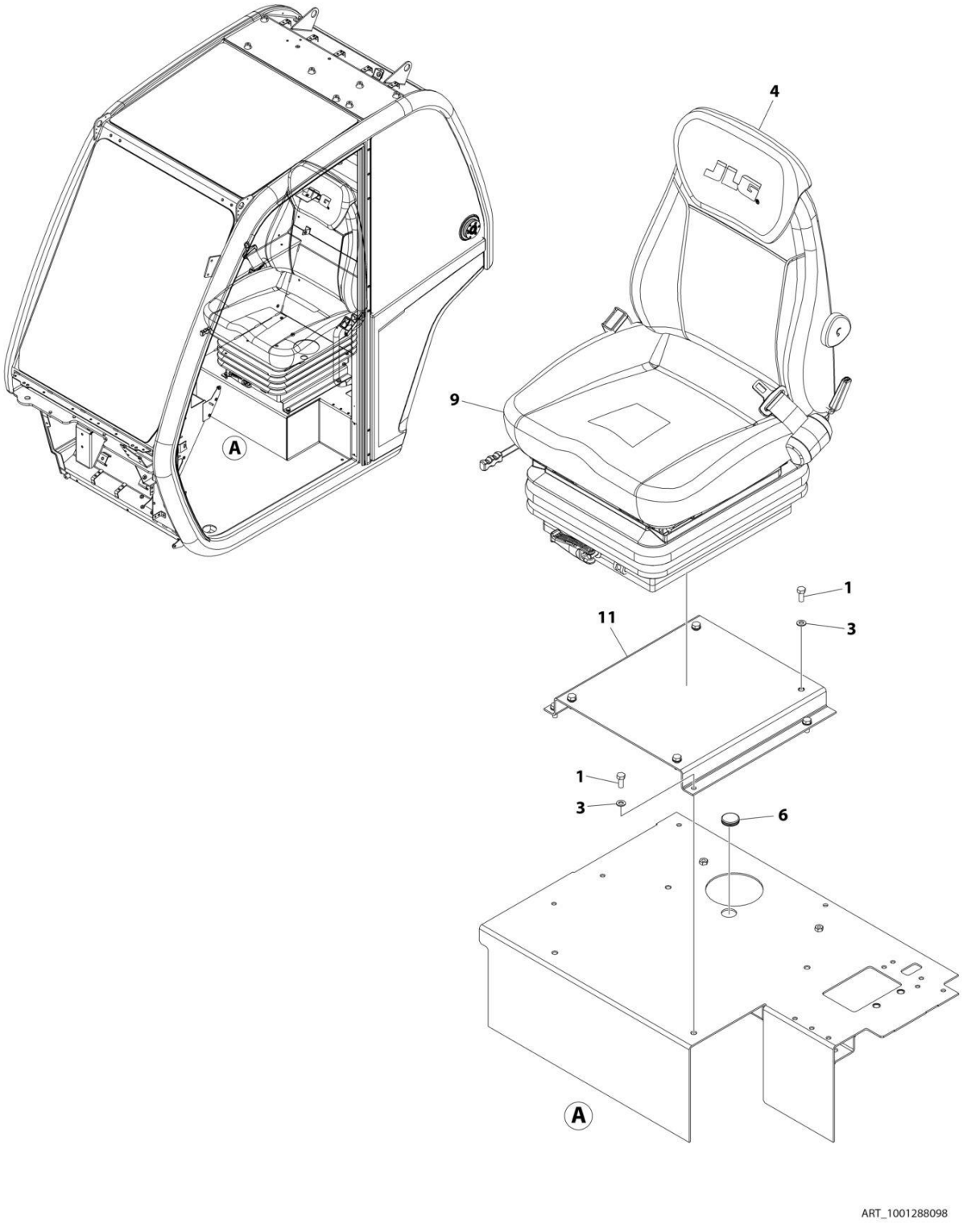


FIGURE 6-41. SEAT INSTALLATION (CLOTH)(SEAOP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288098	Ref	SEAT INSTALLATION (CLOTH) (SEAOP)	A
1	0760810	8	Bolt M8 x 20	
3	4811900	8	Washer M8	
4	1001119467	1	Headrest, Cloth	
6	1001196076	1	Cap	
7	1001266488	1	Lamp, LED (Red) (Not Shown)	
8	1001268744	1	Seat Belt Alarm Harness (See Separate Breakdown in ELECTICAL Section) (Not Shown)	
9	1001288070	1	Seat Assembly (See Separate Breakdown in this Section)	
11	1001158738C	1	Plinth, Seat	

FIGURE 6-42. SEAT INSTALLATION (MECHANICAL)

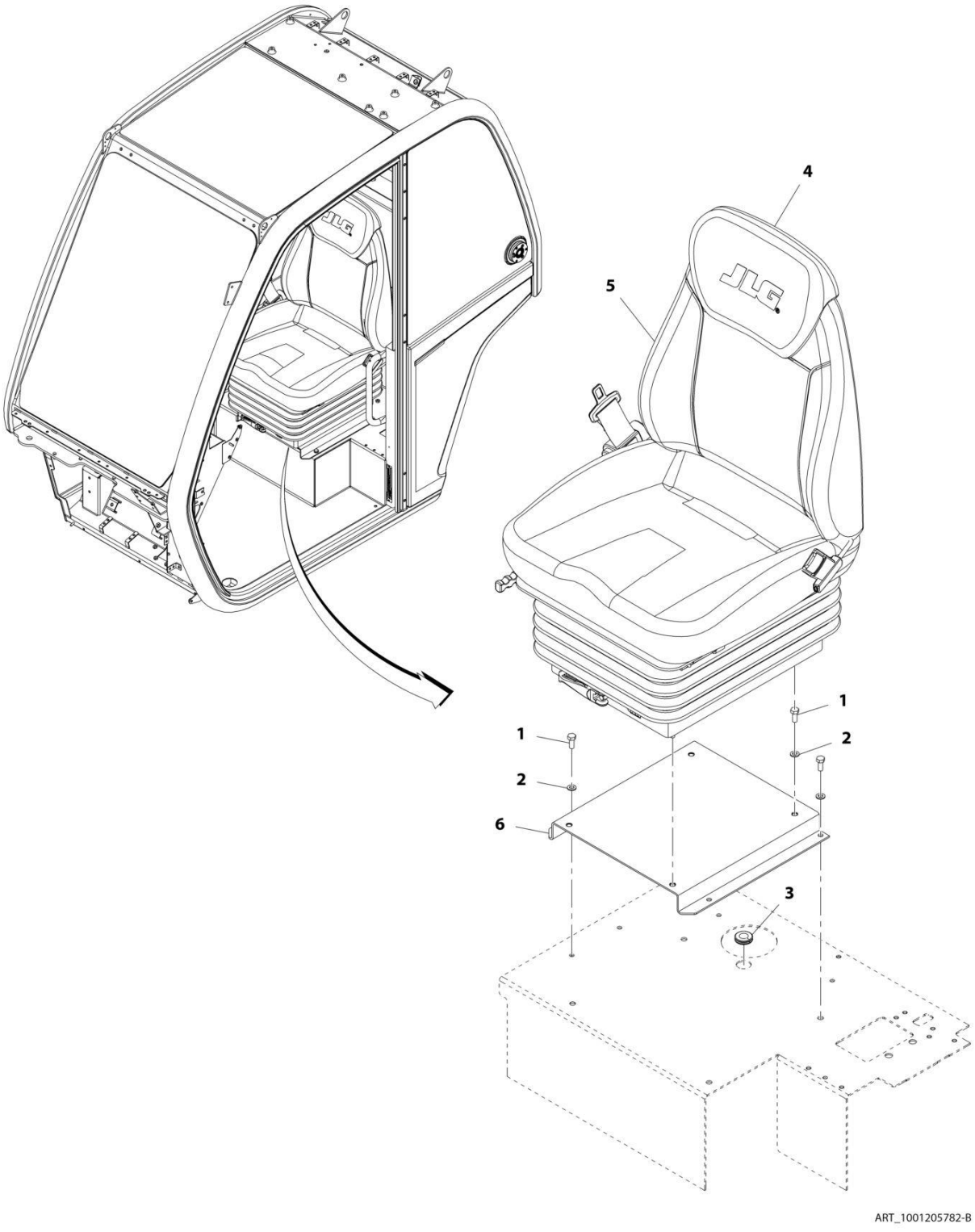


FIGURE 6-42. SEAT INSTALLATION (MECHANICAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205782	Ref	Seat Installation (Mechanical - JLG)	C
1	0760810	8	Bolt, M8X20	
2	4811900	8	Washer, M8	
3	1001216974	1	Grommet	
4	1001119467	1	Headrest, Cloth	
5	1001288070	1	Seat, Assembly (See Separate Breakdown in this Section)	
6	1001205514	1	Plinth, Seat	

FIGURE 6-43. SEAT ASSEMBLY

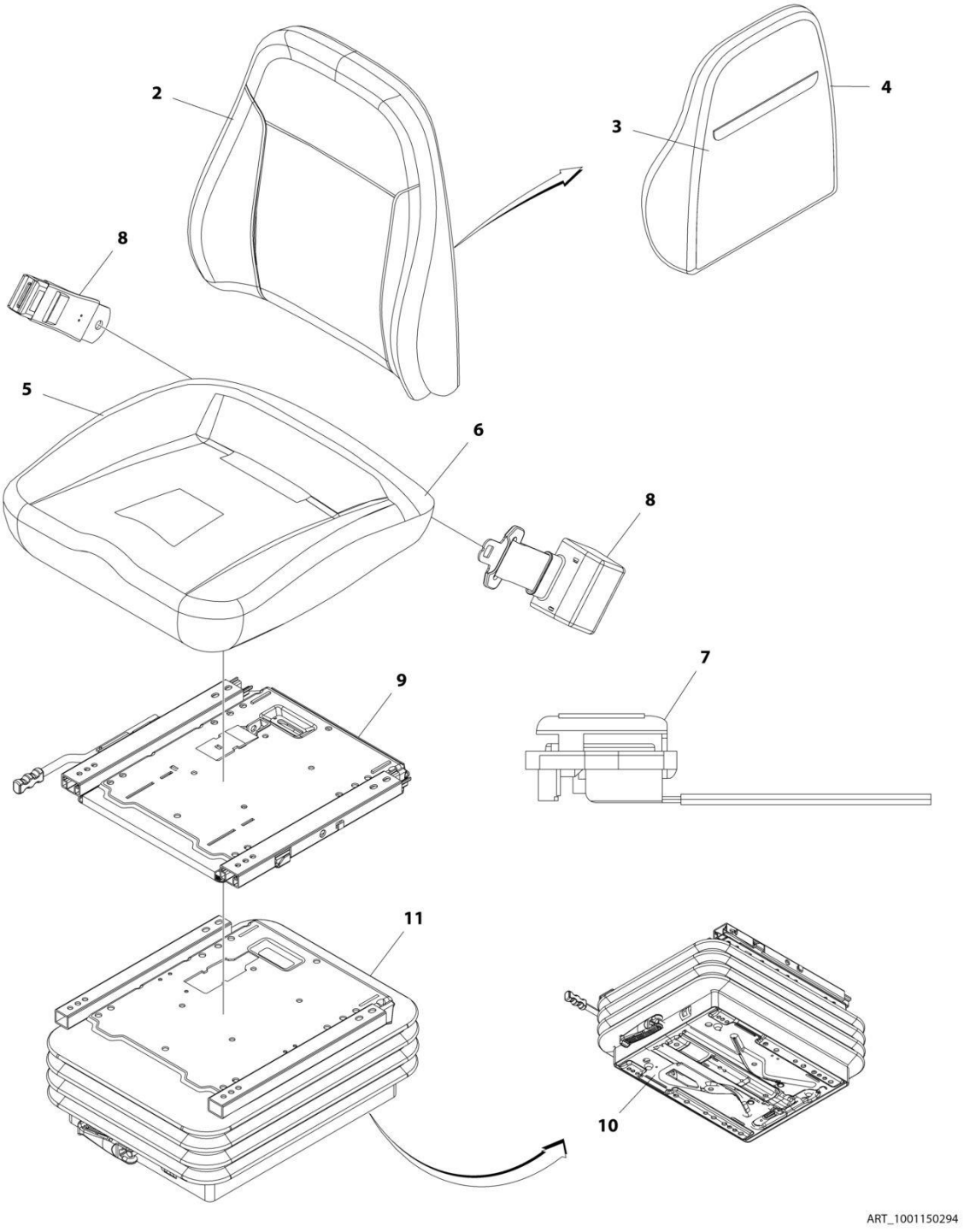


FIGURE 6-43. SEAT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150294	Ref	CLOTH SEAT	F
2	70025489	1	Fabric, Upper Seat	
3	70025490	1	Cover, Back	
4	70025483	1	Foam, Back	
5	70025491	1	Cover, Seat	
6	70025485	1	Foam, Seat	
7	70025486	1	Switch, Contact	
8	7029767	1	Belt, Seat	
9	70021252	1	Rail, Slide	
10	70021251	1	Unit, Suspension	
11	70022034	1	Cover, Rubber	

FIGURE 6-44. SEAT ASSEMBLY

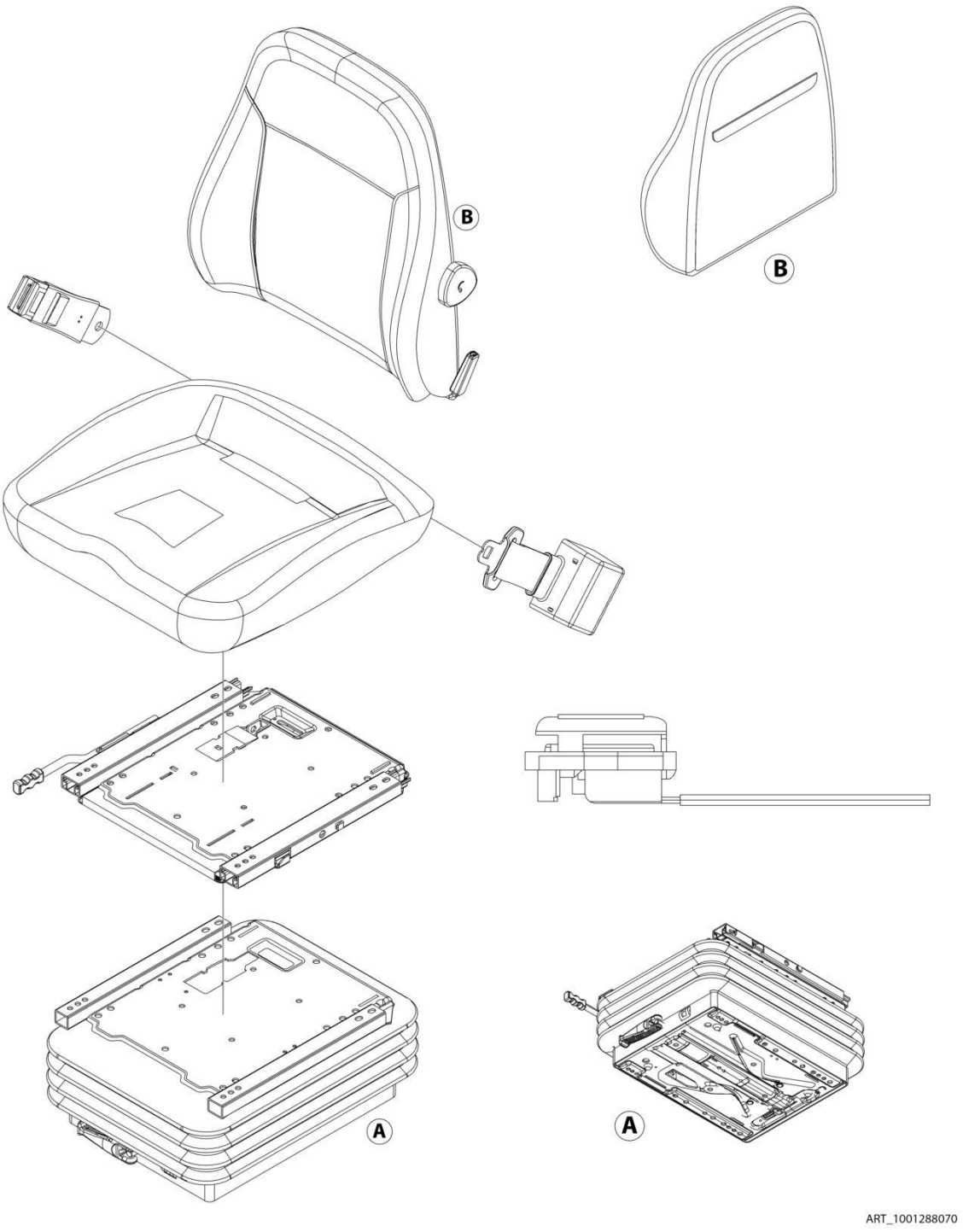


FIGURE 6-44. SEAT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288070	Ref	SEAT ASSEMBLY	B
	See Note	NSS	Note: No Available Parts at time of Printing	

FIGURE 6-45. SEAT BELT INSTALLATION (2IN)

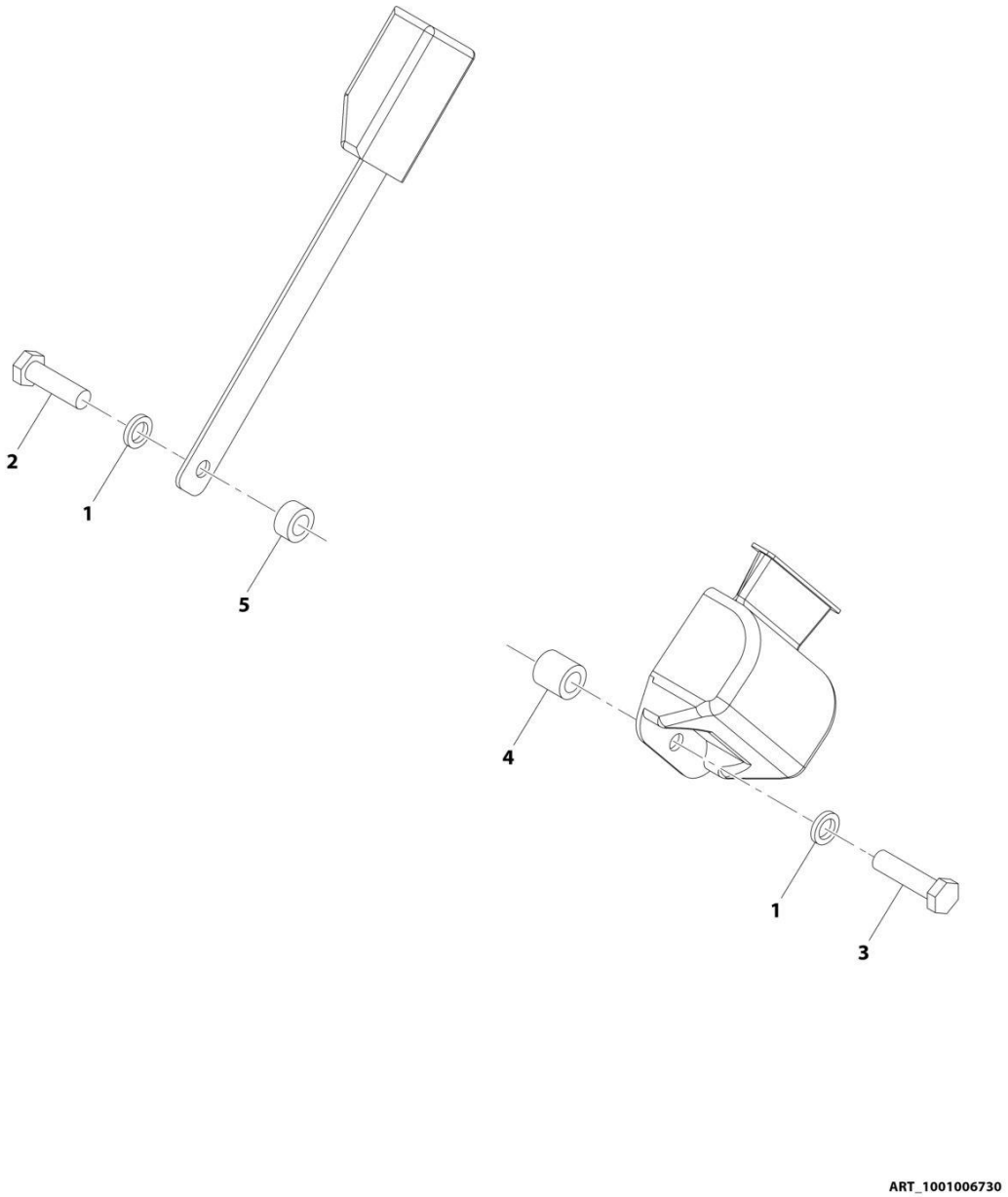


FIGURE 6-45. SEAT BELT INSTALLATION (2IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001006730	Ref	Seat Belt Installation (2IN)	H
1	1001010646	2	Washer	
2	1001010647	1	Bolt	
3	1001010648	1	Bolt	
4	1001010649	1	Spacer, Shim	
5	1001010650	1	Spacer, Shim	

FIGURE 6-46. SEAT BELT INSTALLATION (3IN)

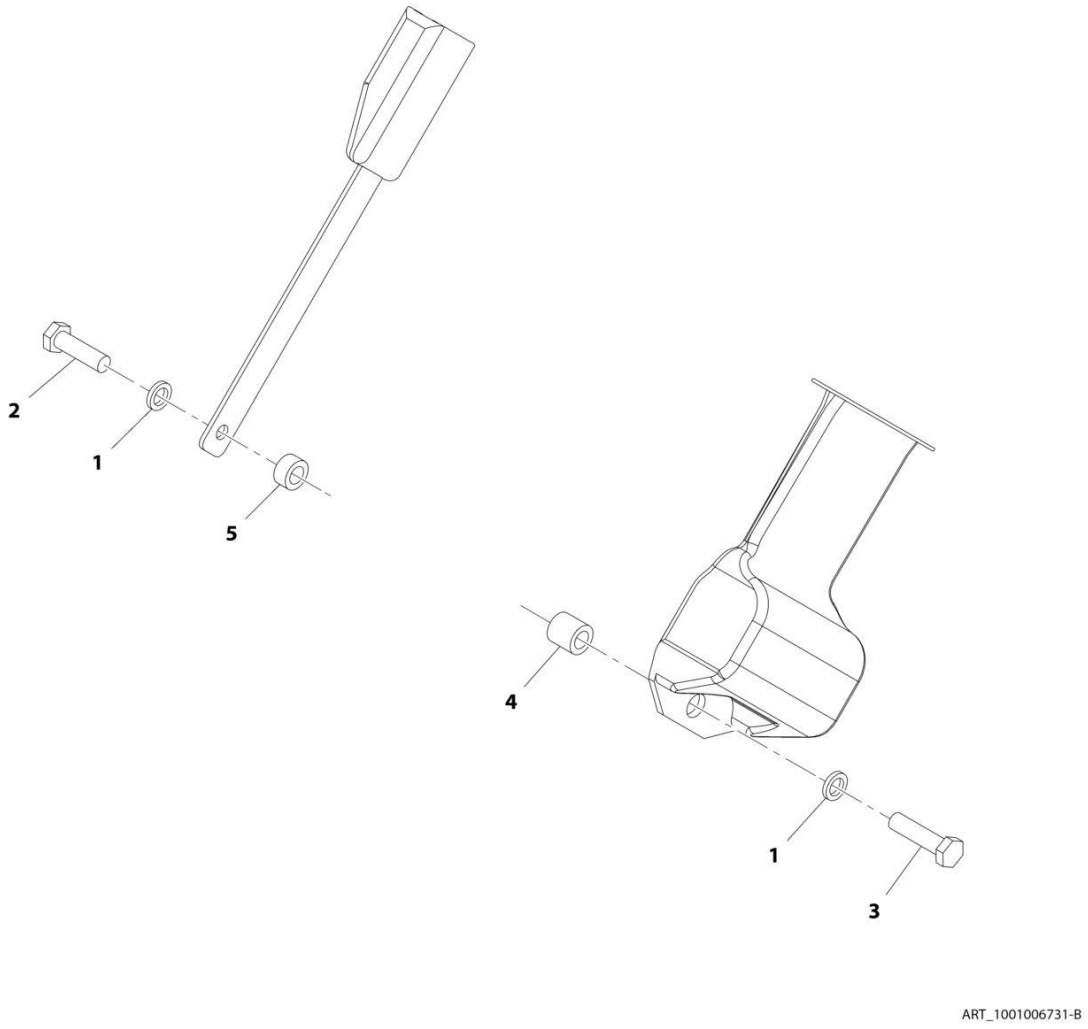


FIGURE 6-46. SEAT BELT INSTALLATION (3IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001006731	Ref	Seat Belt Installation (3IN)	B
1	1001010646	2	Washer	
2	1001010647	1	Bolt	
3	1001010648	1	Bolt	
4	1001010649	1	Spacer	
5	1001010650	1	Spacer	

FIGURE 6-47. SEAT BELT INSTALLATION (3 INCH)

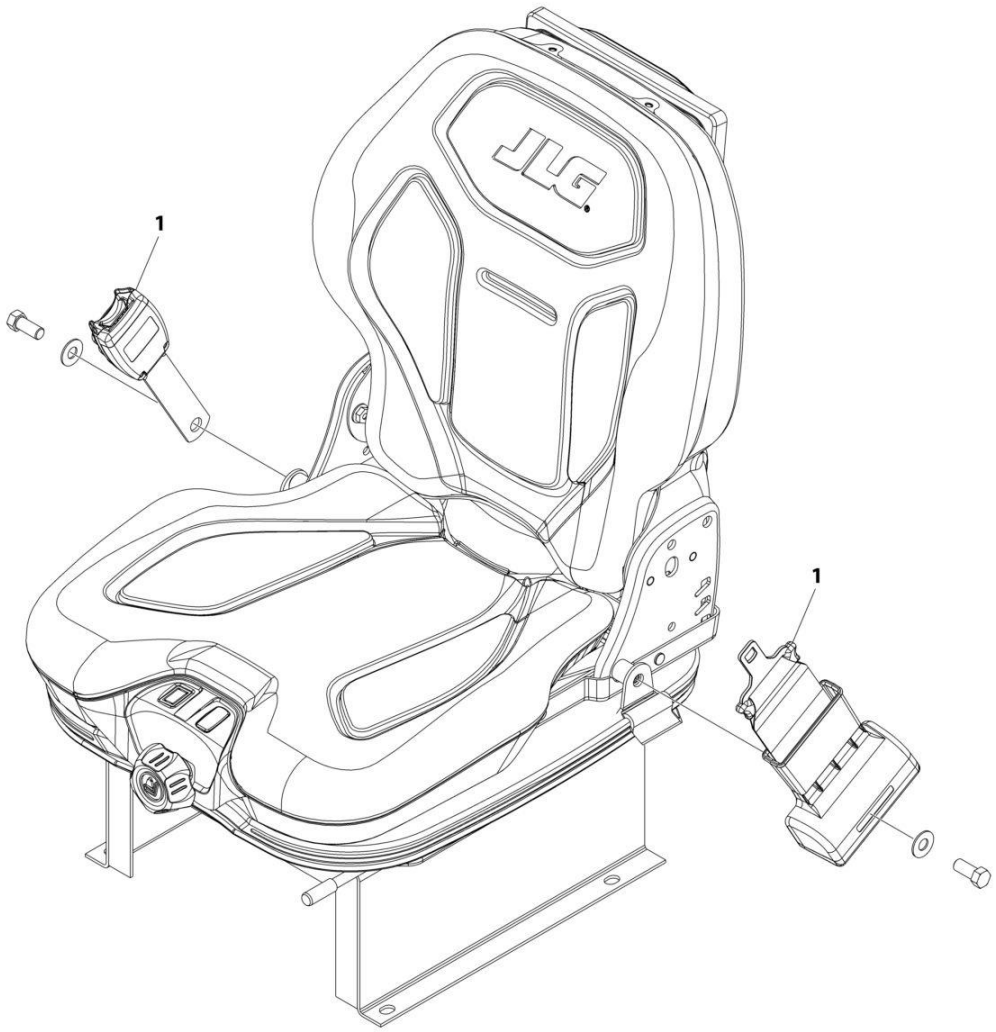


FIGURE 6-47. SEAT BELT INSTALLATION (3 INCH)

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 6-48. HEATER INSTALLATION

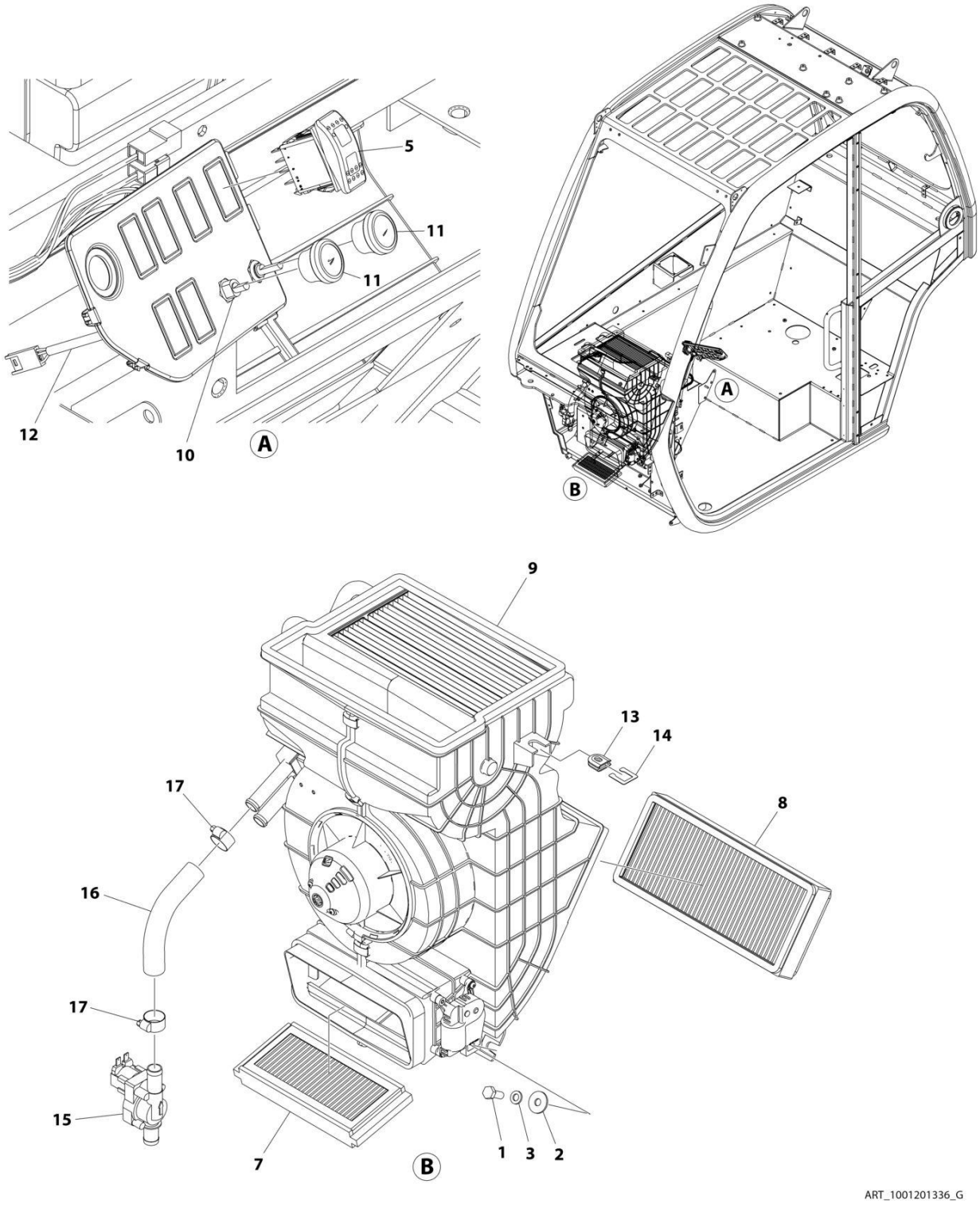


FIGURE 6-48. HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201336	Ref	HEATER INSTALLATION	G
1	0760810	2	Bolt M8 x 20	
2	4811902	2	Washer M8	
3	4831900	2	Washer M8	
5	1001159925	1	Switch, HVAC Recycle	
7	1001218996	1	Filter, HVAC Air	
8	1001172553	1	Filter, HVAC Recirculation Air	
9	1001268828	1	Assembly, Heater (See Separate Breakdown in this Section)	
10	1001172547	1	Switch	
11	1001172550	2	Knob, HVAC	
12	1001270976	1	Control, HVAC	
13	1001188590	2	Grommet	
14	1001218542	2	Shim	
15	1001221059	1	Valve, HVAC	
16	1001221295	1	Hose	
17	8410009	2	Clamp	

FIGURE 6-49. HEATER ASSEMBLY

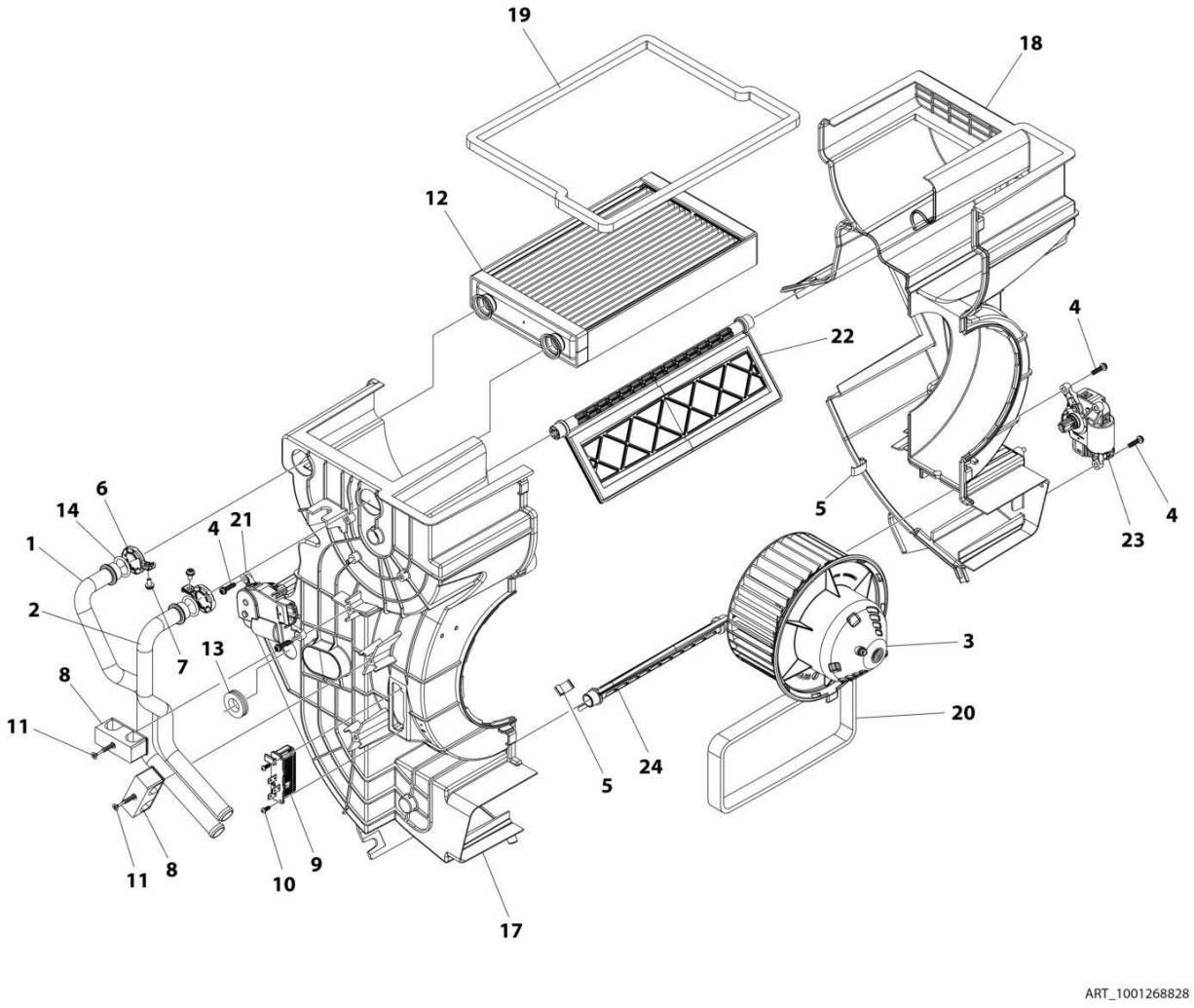
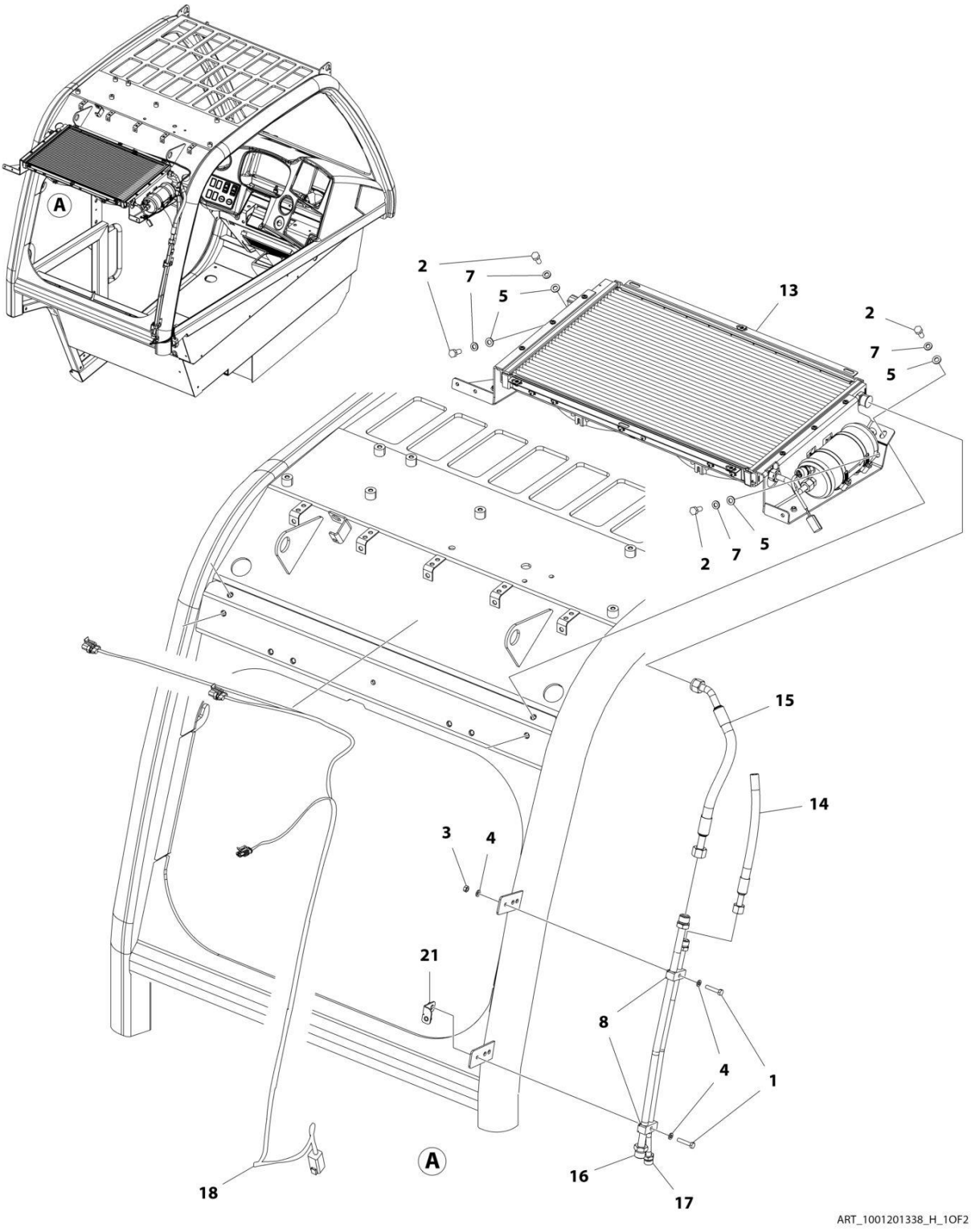
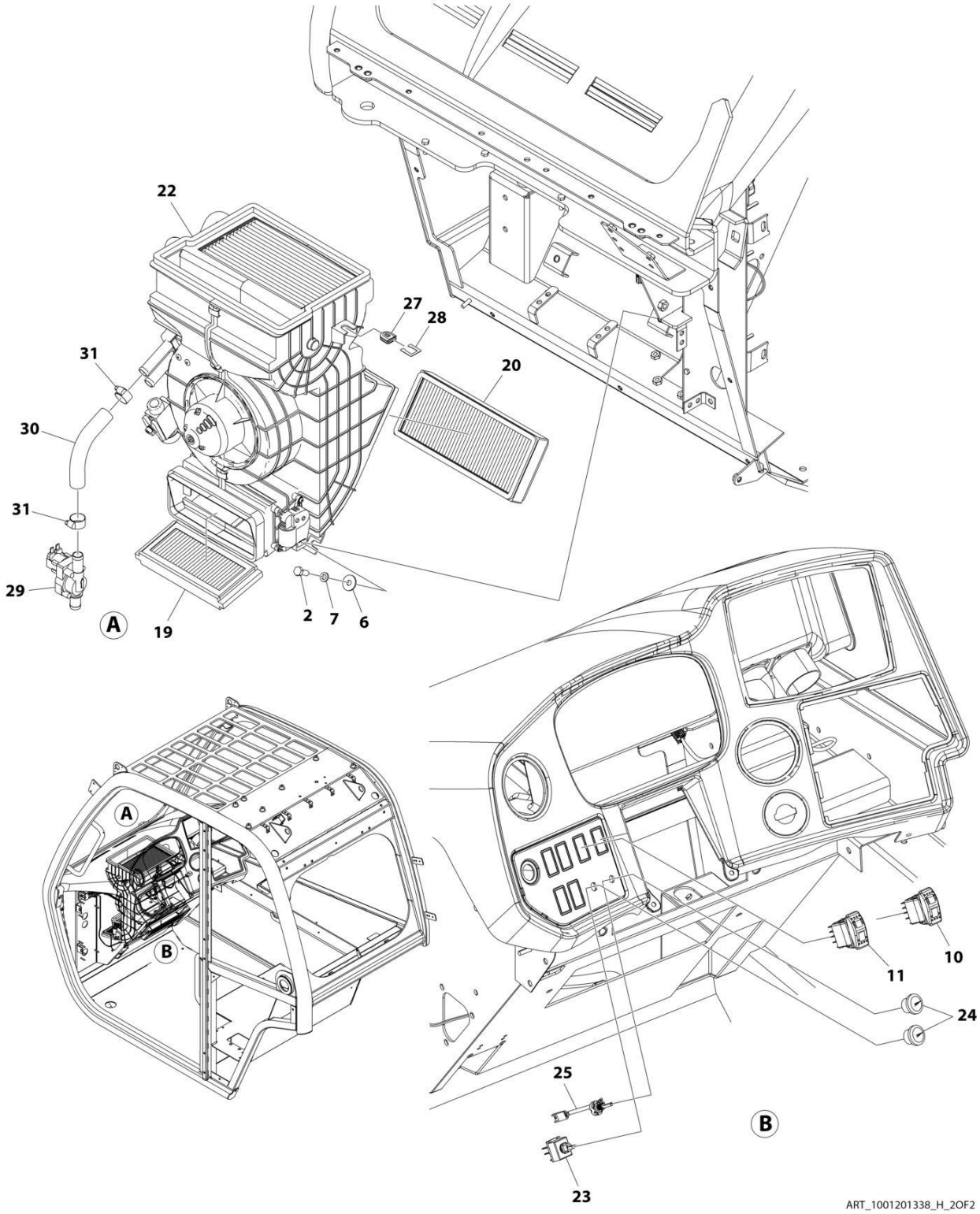


FIGURE 6-49. HEATER ASSEMBLY

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

FIGURE 6-50. HEATER AND A/C INSTALLATION




22
27
28
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A
19
2
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6
A
B
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24
25
B
23
ART_1001201338_H_2OF2

FIGURE 6-50. HEATER AND A/C INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201338	Ref	HEATER AND A/C INSTALLATION	H
1	0700614	2	Bolt M6 x 30	
2	0760810	6	Bolt M8 x 20	
3	3290601	1	Nut M6 x 1	
4	4811700	3	Washer M6	
5	4811900	4	Washer M8	
6	4811902	2	Washer M8	
7	4831900	6	Washer M8	
8	1001145539	2	Support, Pipe	
10	1001159925	1	Switch, HVAC Recycle	
11	1001160326	1	Switch, HVAC On/Off	
13	1001162953	1	Assembly, Cab Condenser (See Separate Breakdown in this Section)	
14	1001168327	1	Hose	
15	1001168330	1	Hose	
16	1001168331	1	Tube	
17	1001168456	1	Tube	
18	1001169151	1	Harness, A/C Option (See Separate Breakdown in ELECTRICAL Section)	
19	1001218996	1	Filter, HVAC Fresh Air	
20	1001172553	1	Filter, HVAC Air Recirculation	
21	1001178170	1	Bracket	
22	1001268832	1	Assembly, Heater and A/C (See Separate Breakdown in this Section)	
23	1001172547	1	Switch, HVAC Rotary 3 Speed	
24	1001172550	2	Knob, HVAC Control	
25	1001270976	1	Cable, HVAC	
27	1001188590	2	Grommet	
28	1001218542	2	Shim	
29	1001221059	1	Valve, HVAC	
30	1001221259	1	Hose	
31	8410009	2	Clamp	

FIGURE 6-51. CAB CONDENSER ASSEMBLY

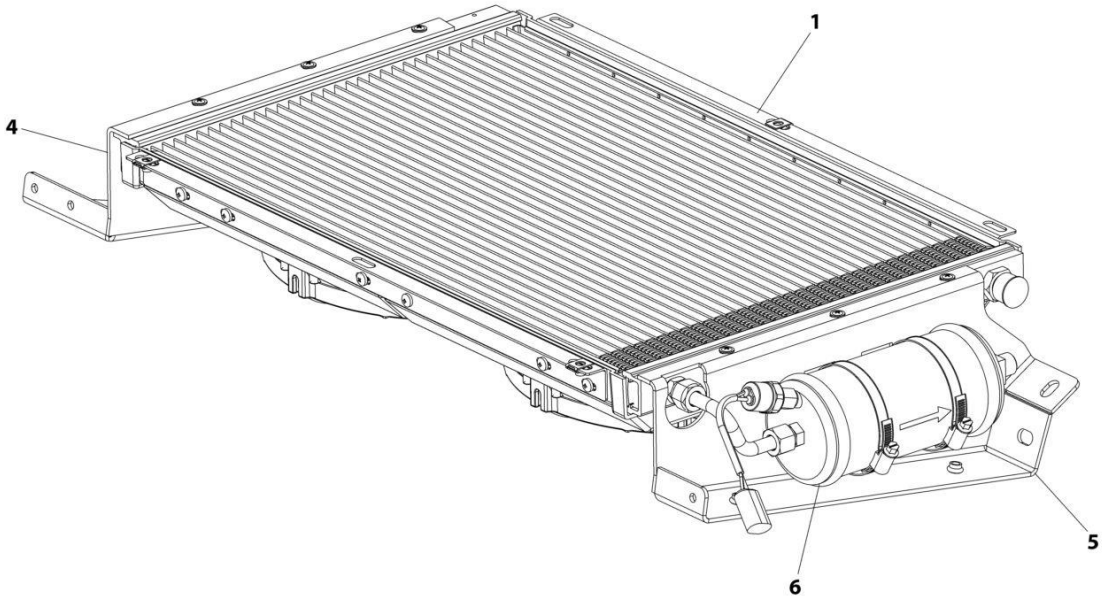


FIGURE 6-51. CAB CONDENSER ASSEMBLY

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 6-52. CONDENSER

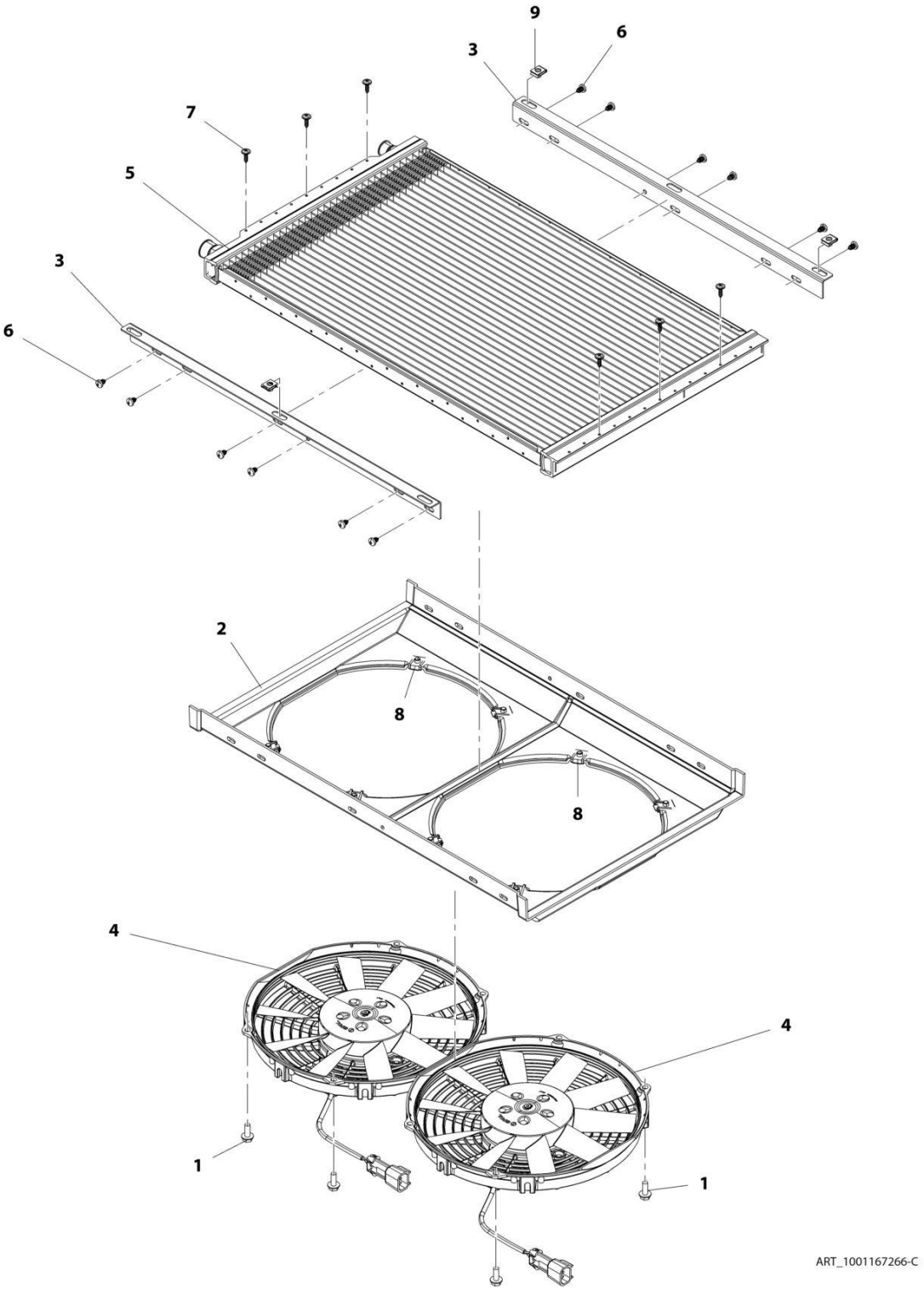


FIGURE 6-52. CONDENSER

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

FIGURE 6-53. A/C RECEIVER DRIER

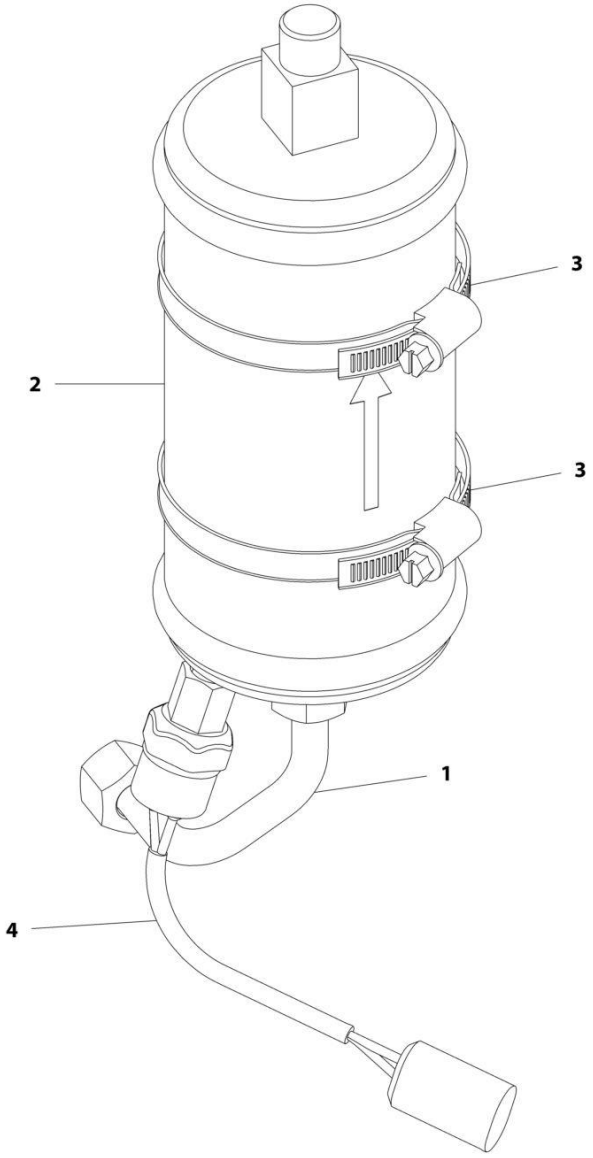


FIGURE 6-53. A/C RECEIVER DRIER

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 6-54. HEATER AND A/C ASSEMBLY

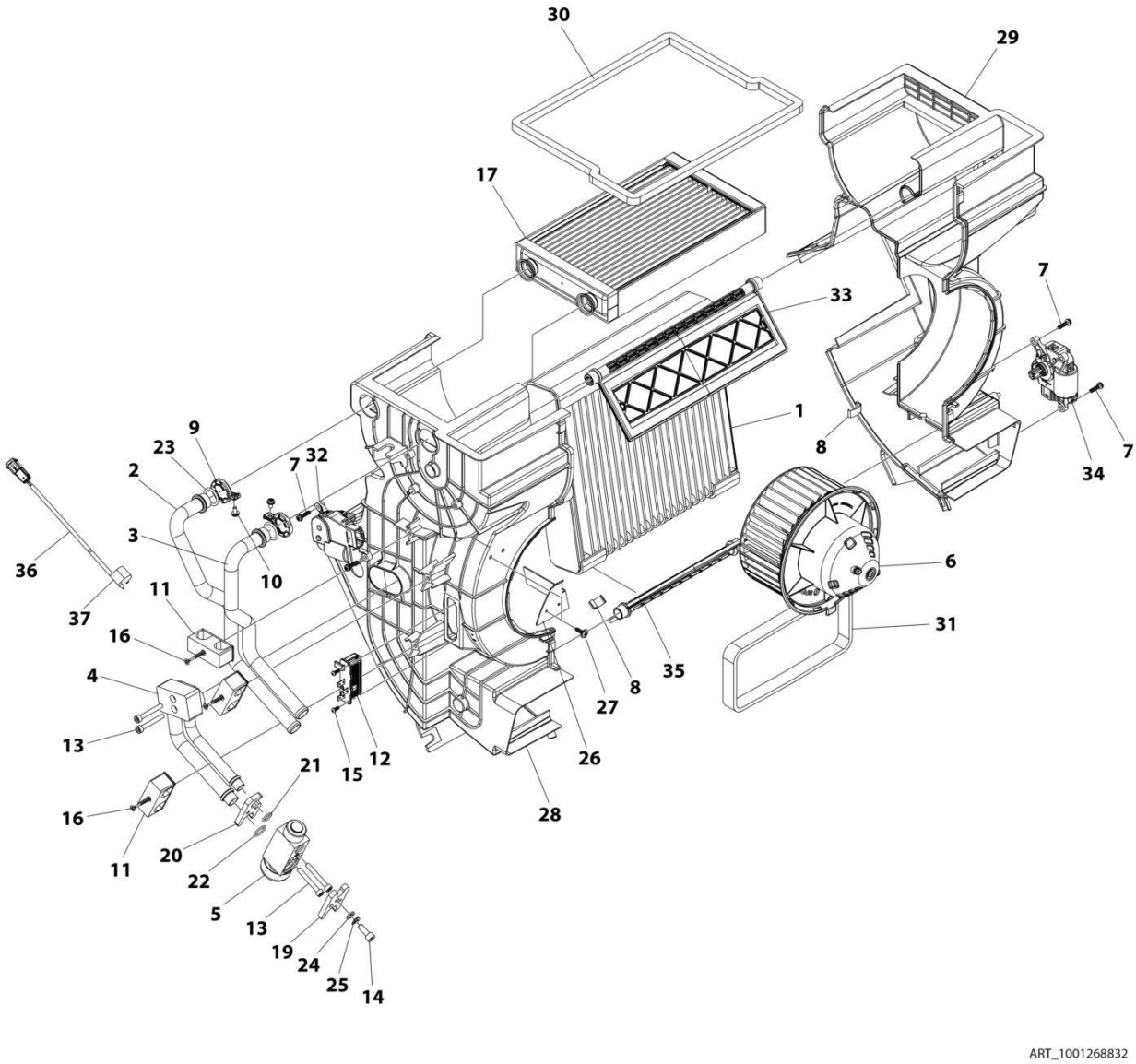


FIGURE 6-54. HEATER AND A/C ASSEMBLY

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

FIGURE 6-55. ROOF WIPER INSTALLATION

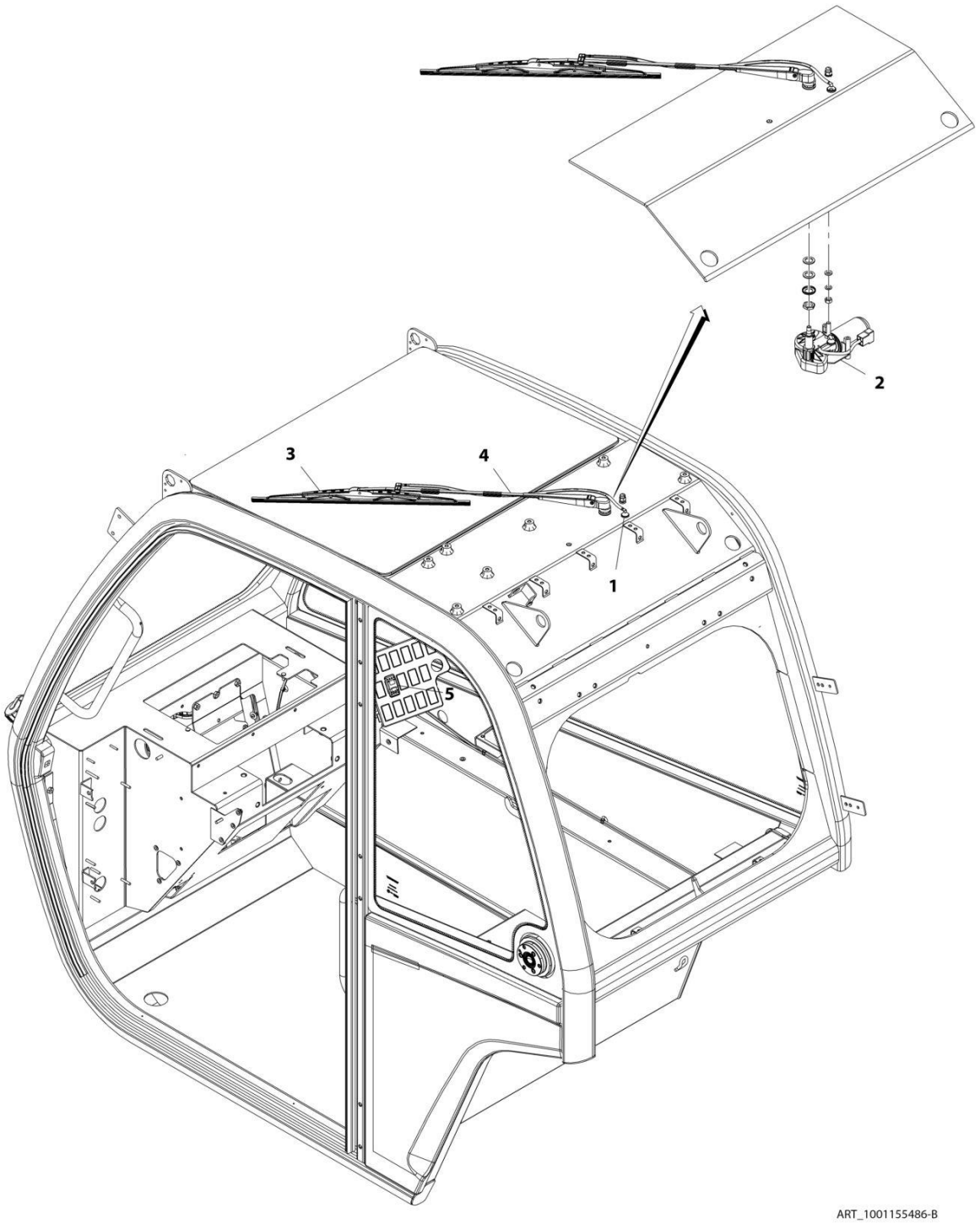


FIGURE 6-55. ROOF WIPER INSTALLATION

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

FIGURE 6-56. HEADLINER INSTALLATION

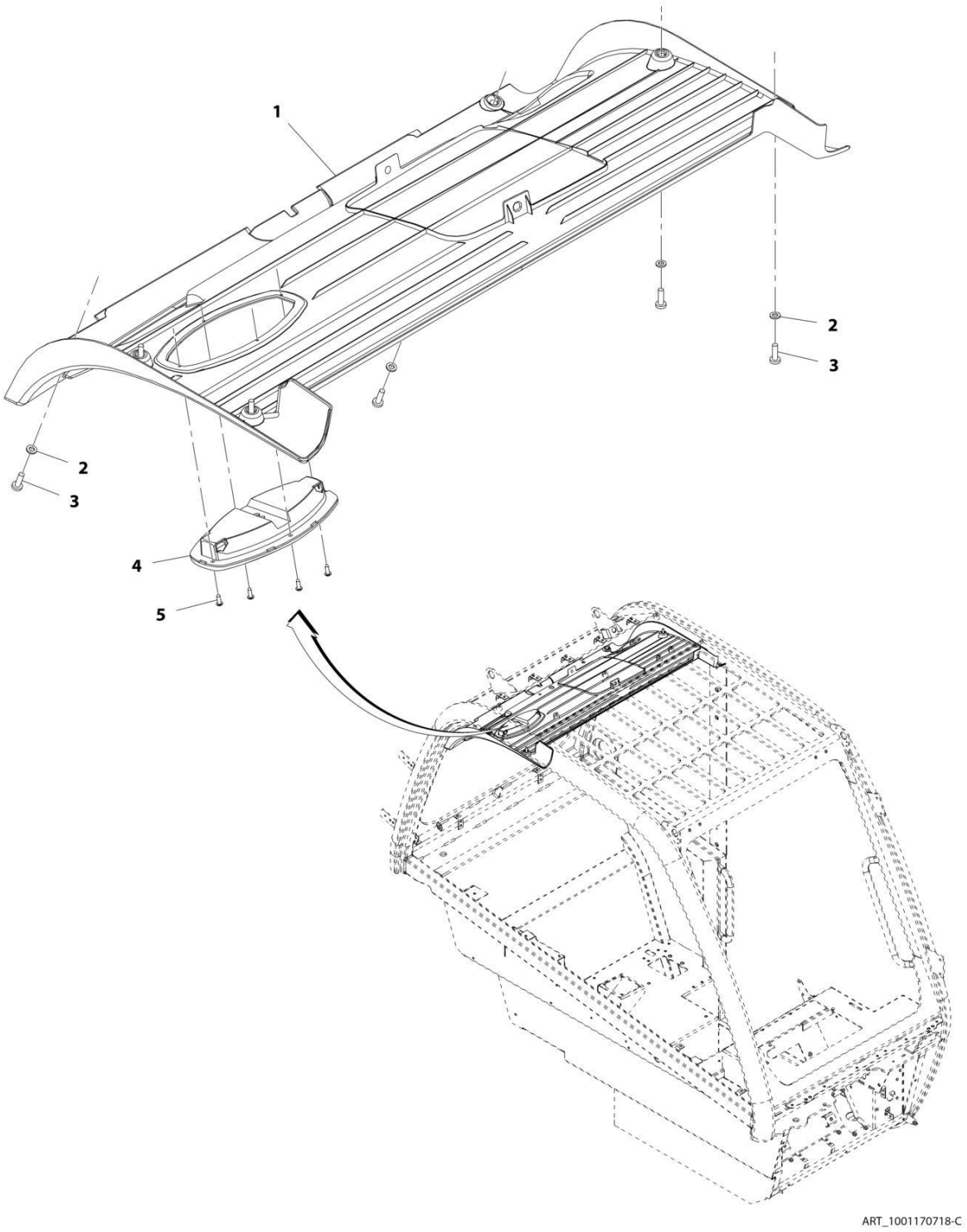


FIGURE 6-56. HEADLINER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170718	Ref	Headliner Installation	D
1	1001170716	1	Panel, Headliner	
2	4811700	6	Washer, M6	
3	4031708001	6	Capscrew M6 x 20	
4	1001167015	1	Lamp, Dome	
5	7029486	4	Screw	

FIGURE 6-57. HEADLINER/ RADIO READY INSTALLATION

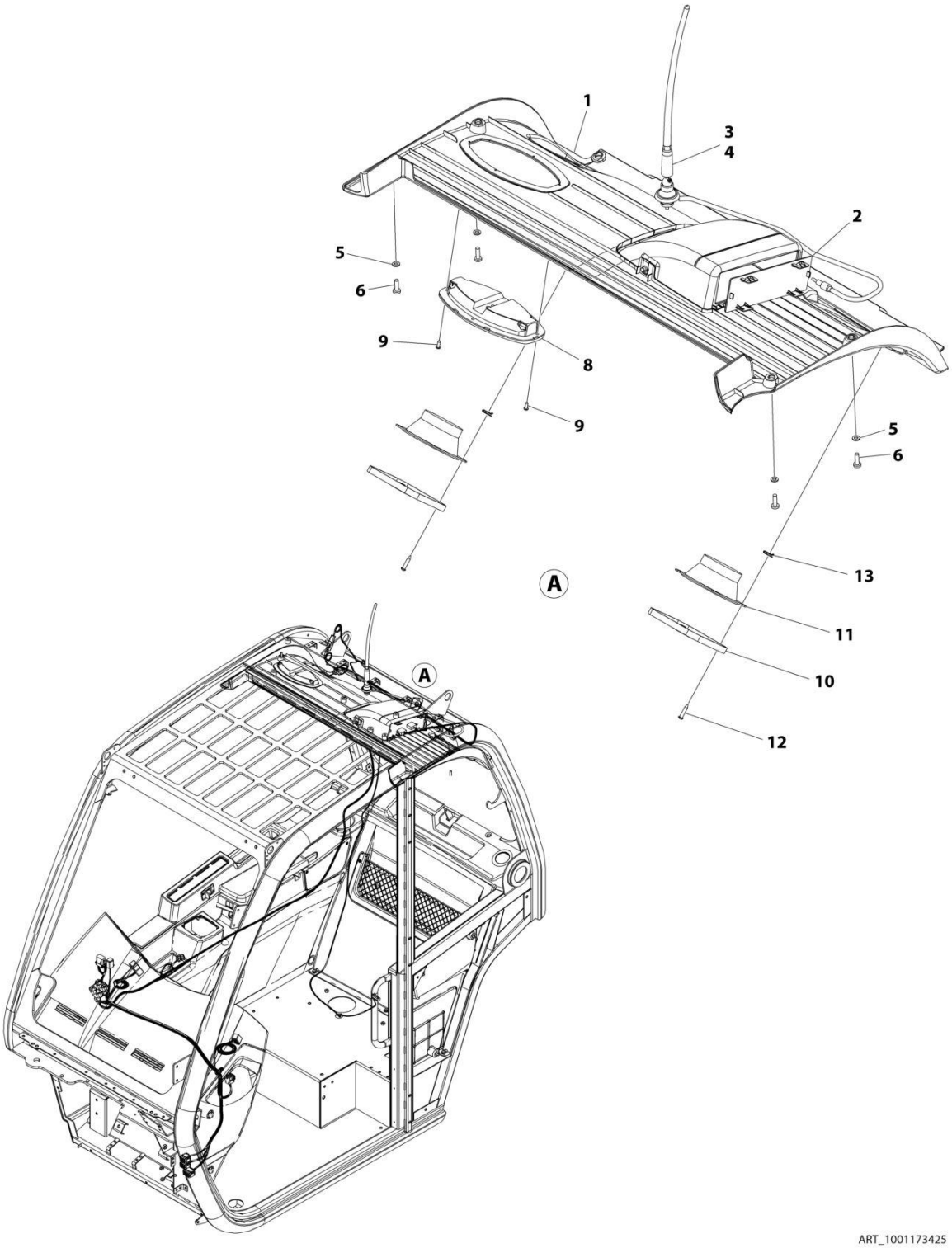


FIGURE 6-57. HEADLINER/ RADIO READY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173425	Ref	HEADLINER/ RADIO READY INSTALLATION	F
1	1001243343	1	Cover, Headliner	
2	1001200968	1	Plate	
3	8005901	1	Antenna	
4	1001116128	AR	Sealant, Polysiloxane	
5	4811700	6	Washer, 6M	
6	4031708001	6	Screw, M6 x 20	
8	1001167015	1	Lamp	
9	7029486	4	Screw	
10	1671326	2	Cover, Speaker	
11	1001146901	1	Radio, Speaker	
12	1001111147	8	Screw, Spire	
13	1001258342	8	Nut, Spire	

FIGURE 6-58. CAB GUARD INSTALLATION (TOP)

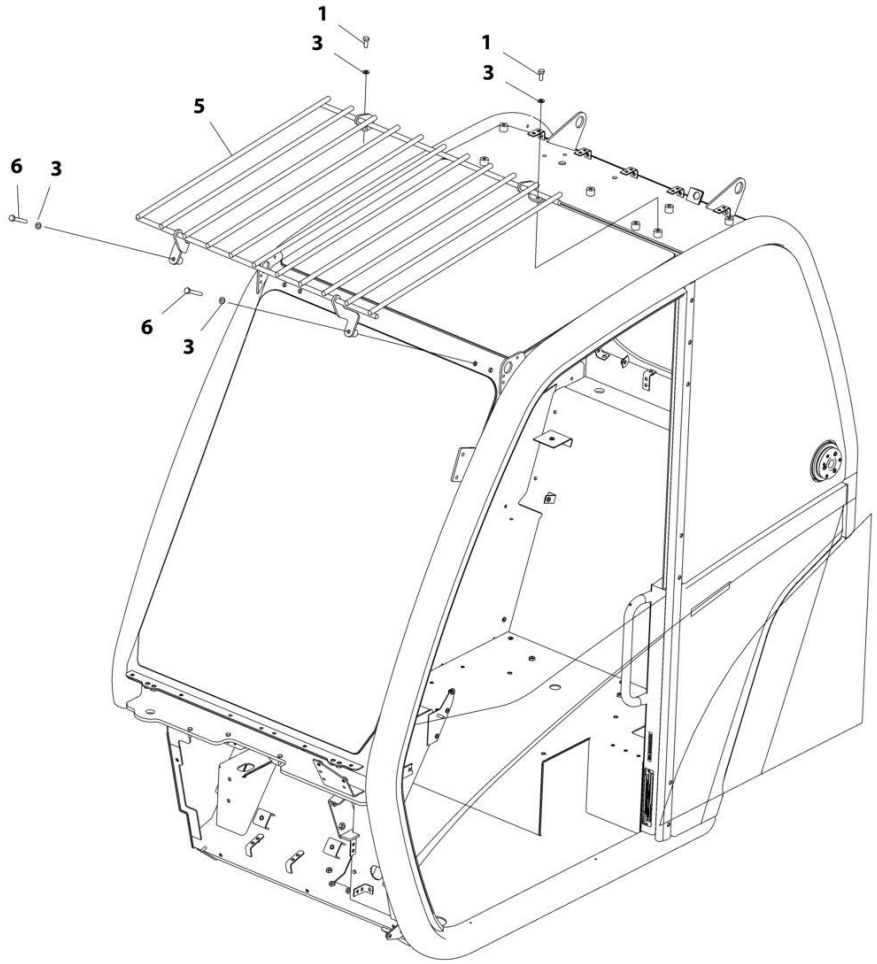


FIGURE 6-58. CAB GUARD INSTALLATION (TOP)

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 6-59. CAB GUARD INSTALLATION (FRONT)

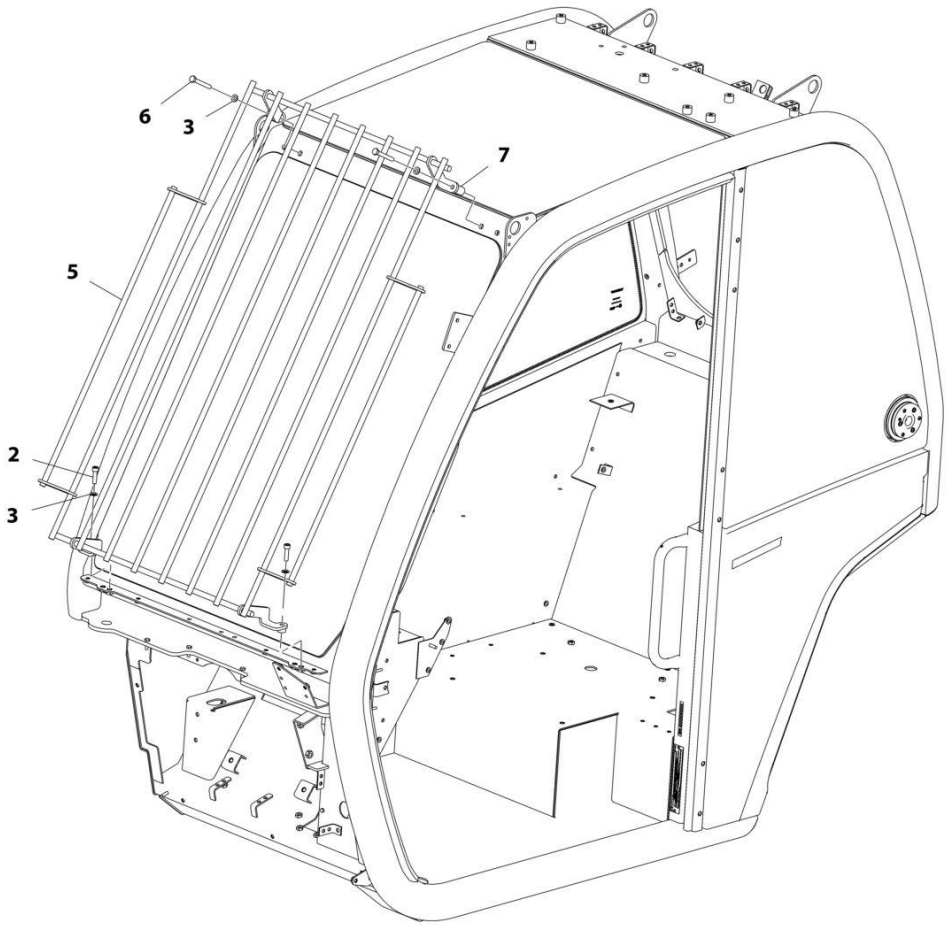


FIGURE 6-59. CAB GUARD INSTALLATION (FRONT)

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 6-60. CAB GUARD INSTALLATION (TOP AND FRONT)

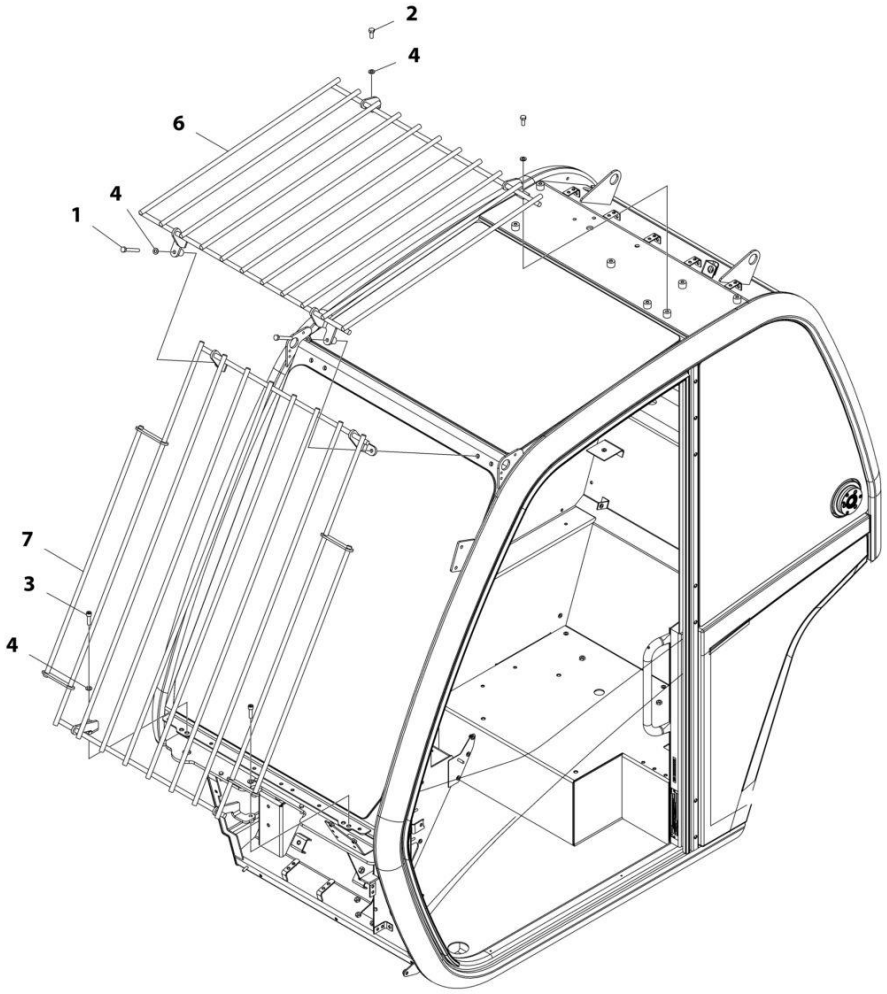


FIGURE 6-60. CAB GUARD INSTALLATION (TOP AND FRONT)

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 6-61. COMMON CAB TRIM INSTALLATION

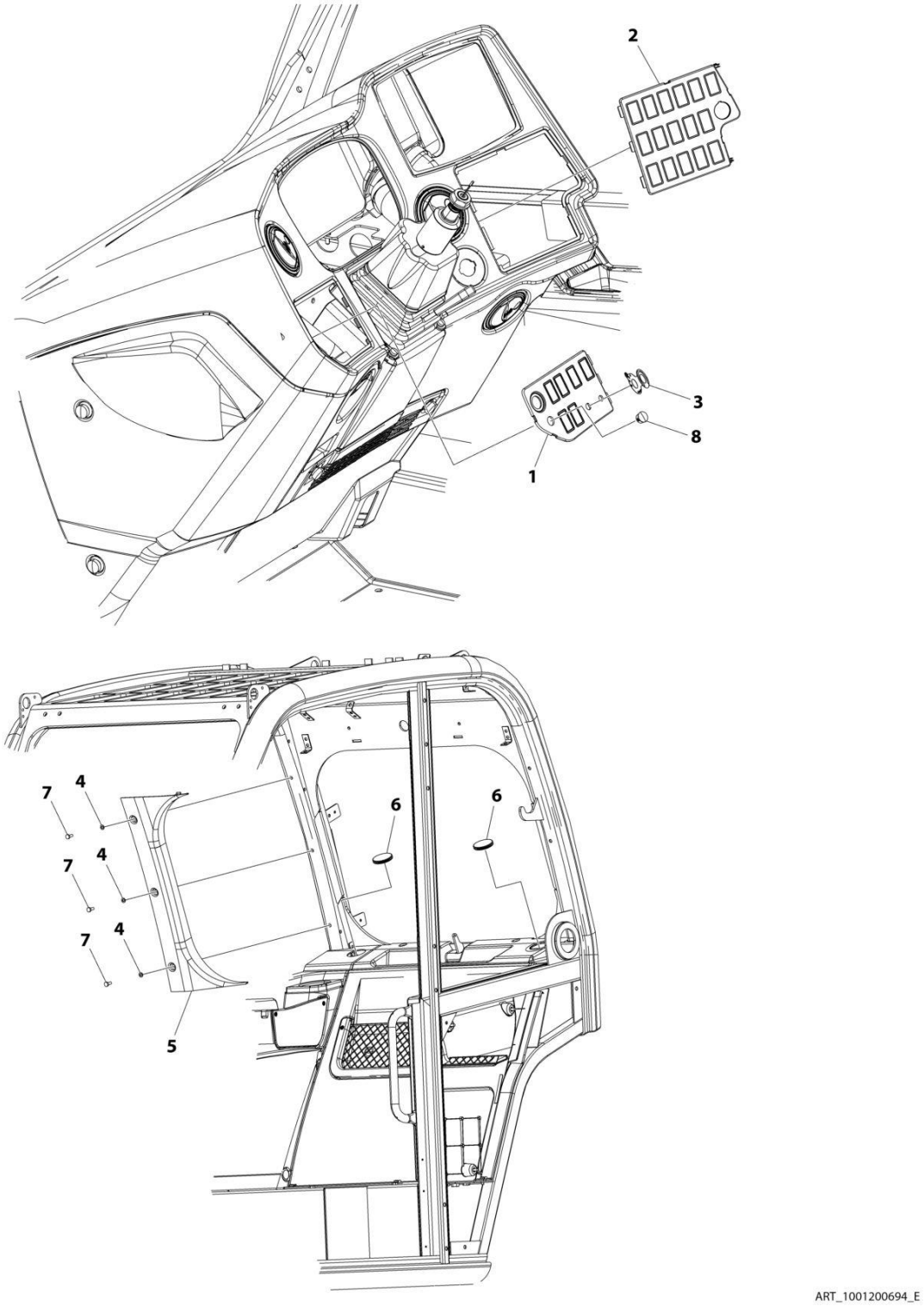


FIGURE 6-61. COMMON CAB TRIM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200694	Ref	COMMON CAB TRIM INSTALLATION	E
1	1001268846	1	Panel, LH Switch	
2	1001219865	1	Panel, RH Switch	
3	1001184975	1	Decal, HVAC	
4	4811700001	3	Washer M6	
5	1001161253	1	Panel, Cover	
6	1001223265	2	Grommet	
7	4010608002	3	Screw M6 x 16	
8	1001207963	1	Plug	

FIGURE 6-62. CAB TRIM INSTALLATION

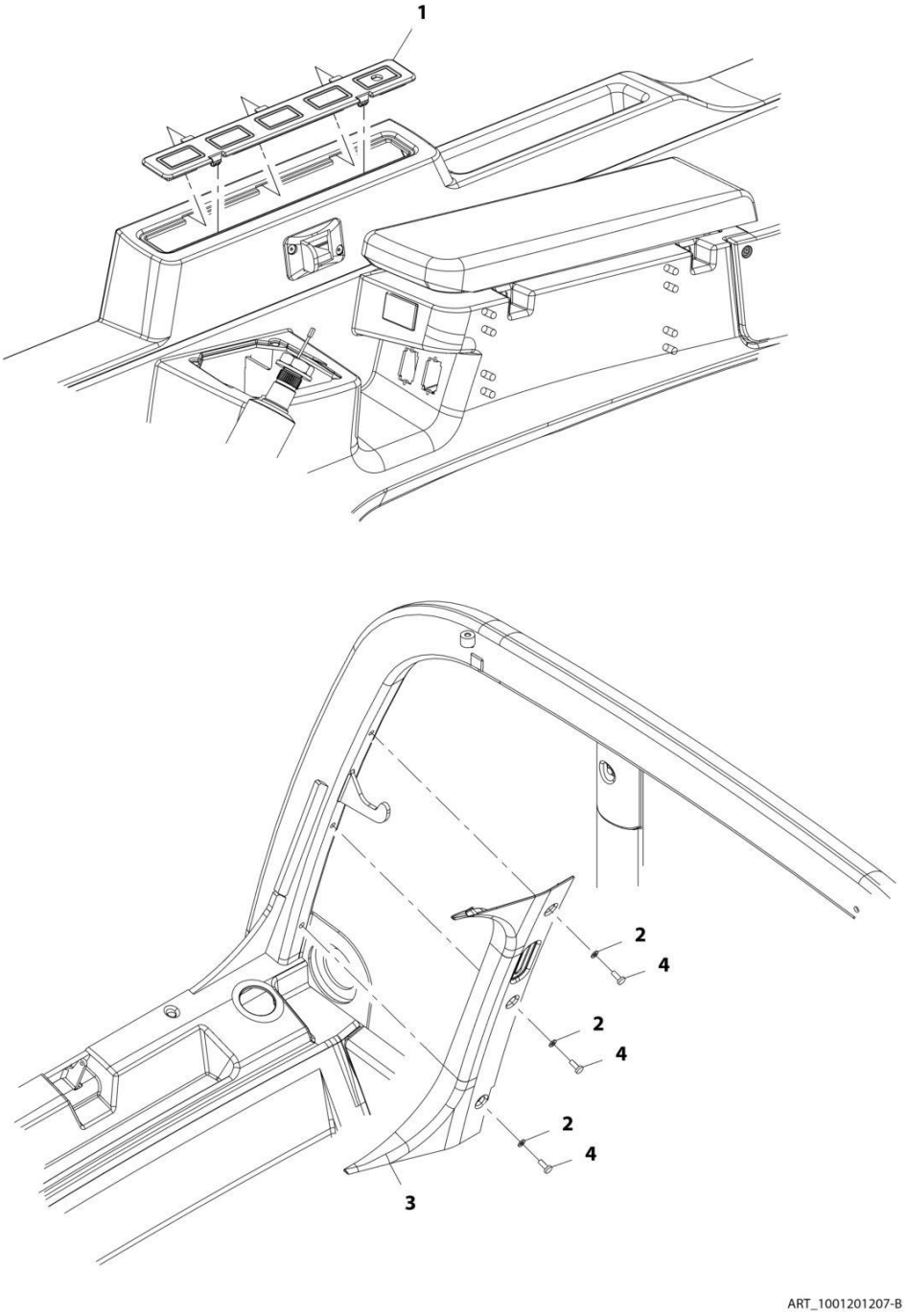


FIGURE 6-62. CAB TRIM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201207	Ref	Cab Trim Installation	B
1	1001177464	1	Plate, Switch	
2	4811700	1	Washer, M6	
3	1001161252	1	Panel, Cover	
4	4010608002	3	Screw, M6X16	

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

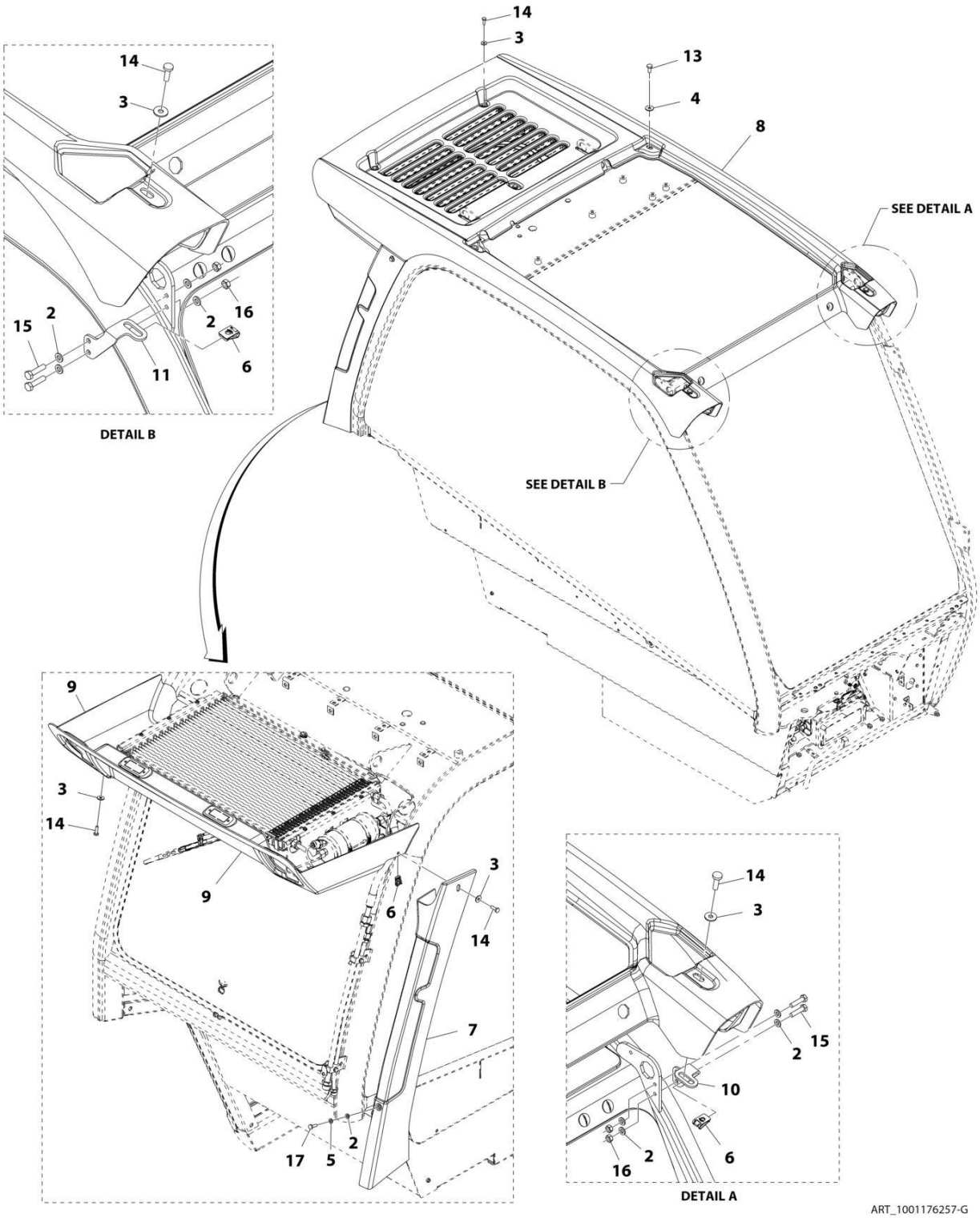


FIGURE 6-63. ROOF CAP INSTALLATION (A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176257	Ref	Roof Cap Installation (A/C)	G
2	4811700	9	Washer, M6	
3	4811702	10	Washer, M6	
4	4811902	2	Washer, M8	
5	4831700	1	Washer, Lock M6	
6	8305919	3	Nut, M6	
7	1001174741	1	Cover	
8	1001176140	1	Cover	
9	1001176318	1	Cover	
10	1001174800	1	Bracket	
11	1001174801	1	Bracket	
13	0760608	2	Bolt, M6X16	
14	4010610002	10	Screw, Posi-Drive M6X20	
15	0700612	4	Bolt, M6X25	
16	3290601	4	Nut, M6X1	
17	4010608002	1	Screw, Posi-Drive, M6X16	

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

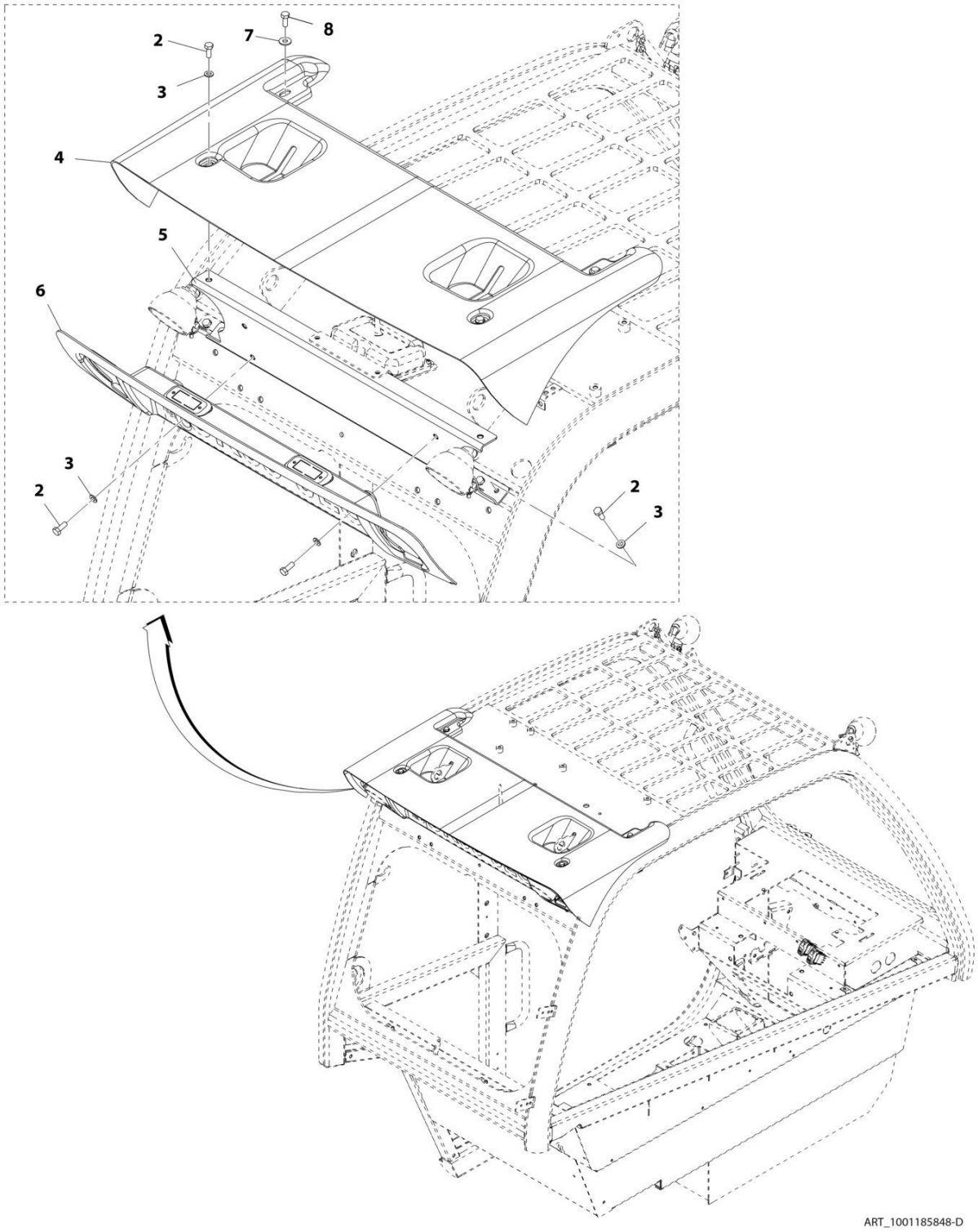


FIGURE 6-64. ROOF CAP INSTALLATION (NO A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185848	Ref	Roof Cap Installation (No A/C - AG)	D
2	0760810	8	Bolt, M8X20	
3	4811900	8	Washer, M8	
4	1001182330	1	Cover, Short Upper Roof Cap	
5	1001185633	1	Bracket, Roof Cap Mount	
6	1001185845	1	Cover, Short Lower Roof Cap	
7	4811902	2	Washer, M8	
8	0760808	2	Bolt, M8X16	

FIGURE 6-65. FRONT NOSE CONE INSTALLATION (SIDELIGHT)

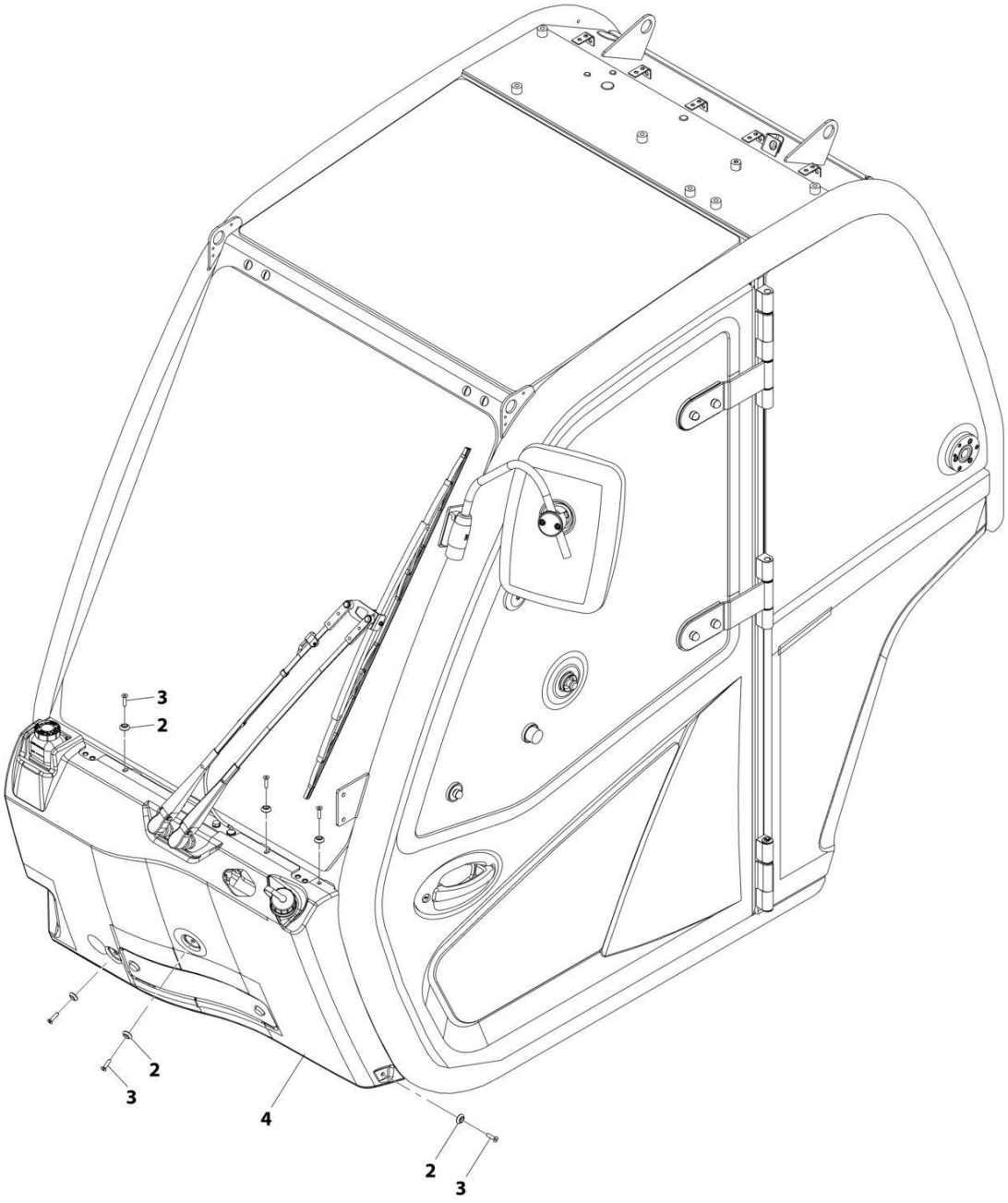


FIGURE 6-65. FRONT NOSE CONE INSTALLATION (SIDELIGHT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179895	Ref	Front Nose Cone Installation (Sidelight)	G
2	1001097540	6	Washer, M6	
3	3900379	6	Screw, M6X25MM	
4	1001179898	1	Cover	

FIGURE 6-66. RETRACTABLE SUNSCREEN INSTALLATION

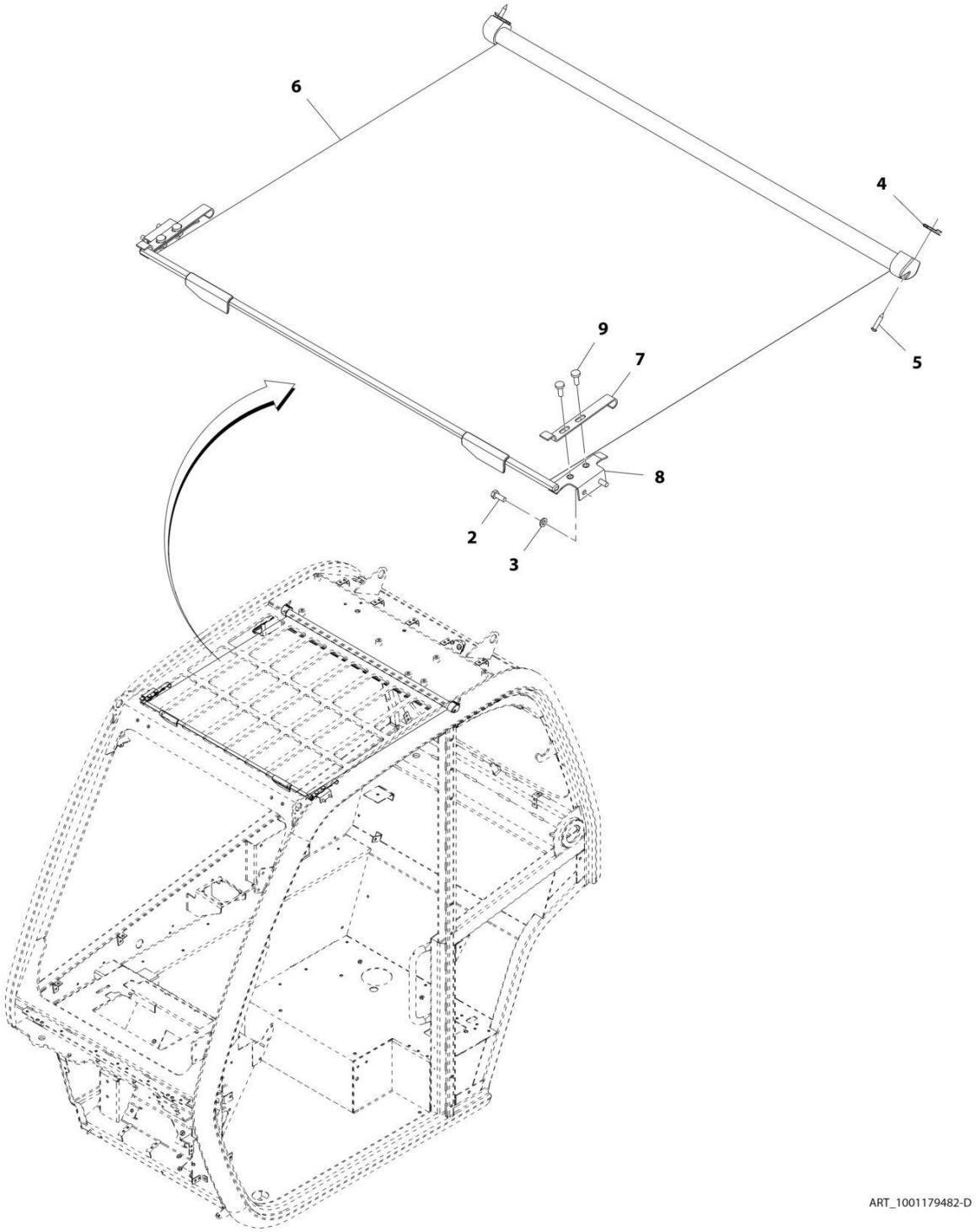
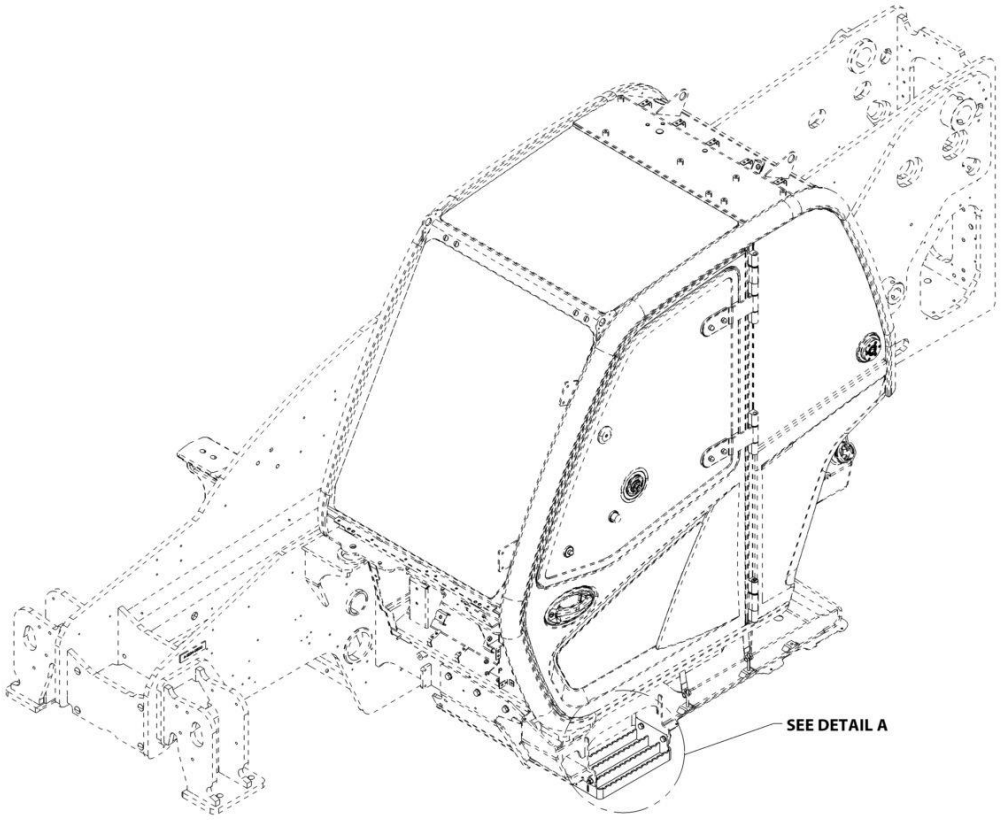


FIGURE 6-66. RETRACTABLE SUNSCREEN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179482	Ref	Retractable Sunscreen Installation	D
2	0760608	4	Bolt, M6X16	
3	4811700	4	Washer, M6	
4	1001111076	2	Nut, Spire	
5	1001111147	2	Screw, Self Tapping	
6	1001179483	1	Cab, Sun Blind	
7	1001209463	2	Bracket	
8	1001166385	2	Bracket	
9	4010608002	4	Screw, Posi-Drive M6X16	

FIGURE 6-67. CAB STEP INSTALLATION



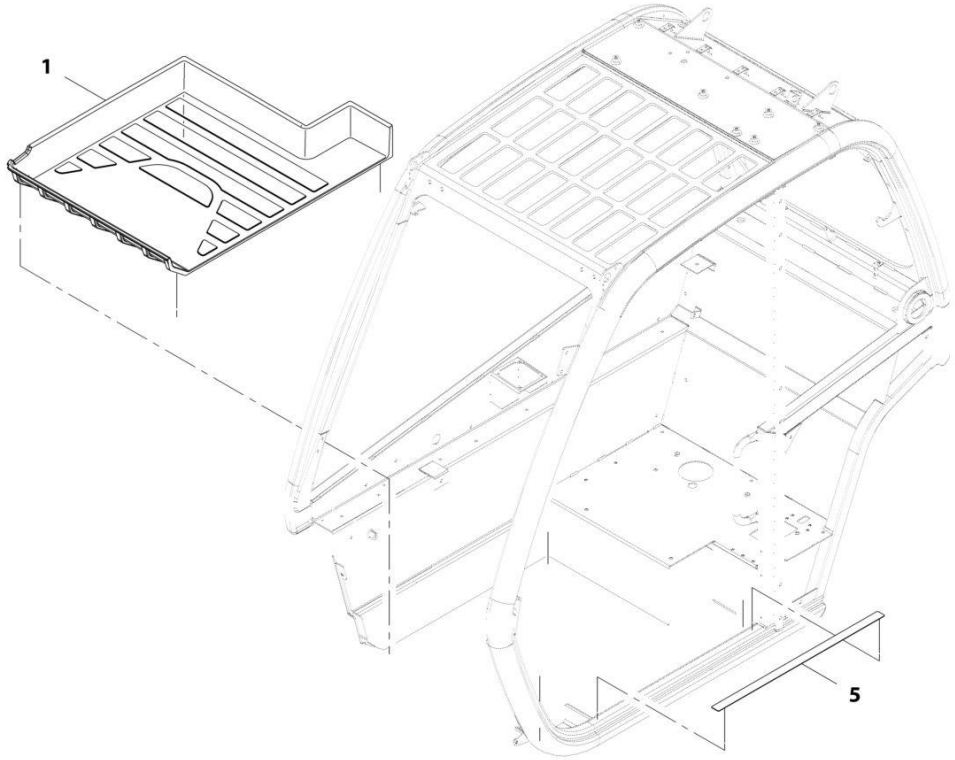
DETAIL A

ART_1001198958-B

FIGURE 6-67. CAB STEP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001198958	Ref	Cab Step Installation	B
1	0701014	4	Bolt, M10X30	
2	3291005	4	Nut, Lock M10X1.5 Grade 8	
3	4812000	8	Washer, M10	
4	1001198924	1	Bracket, Step	

FIGURE 6-68. FLOOR MAT INSTALLATION

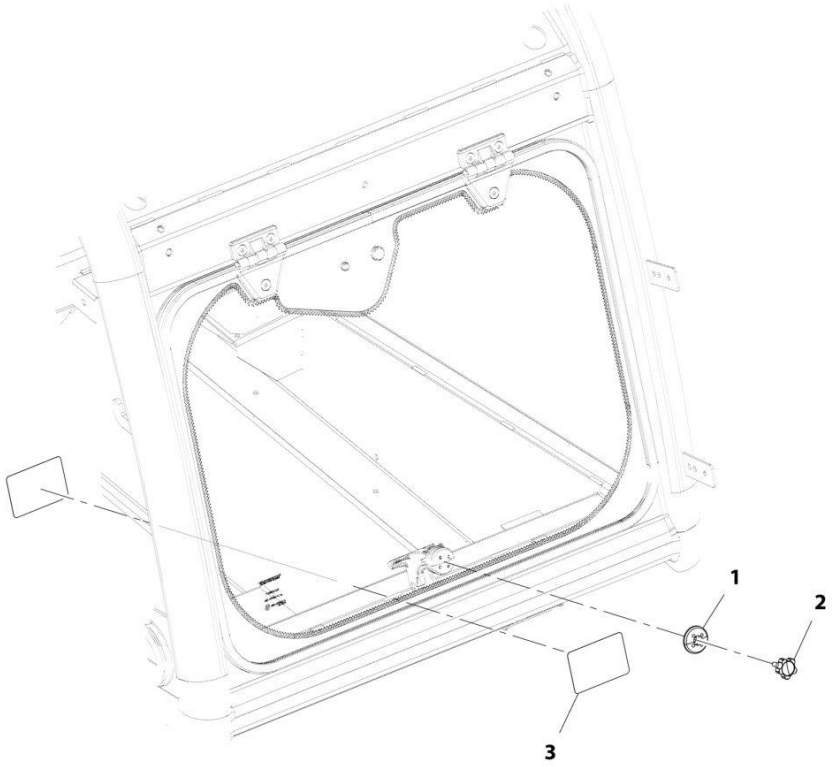


ART_1001161080-E

FIGURE 6-68. FLOOR MAT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161080	Ref	Floor Mat Installation	E
1	1001161078	1	Cab, Floor Mat	
5	1001197259	1	Tape, Frame Non Skid	

FIGURE 6-69. EXTERNAL WINDOW RELEASE INSTALLATION (ANSI)

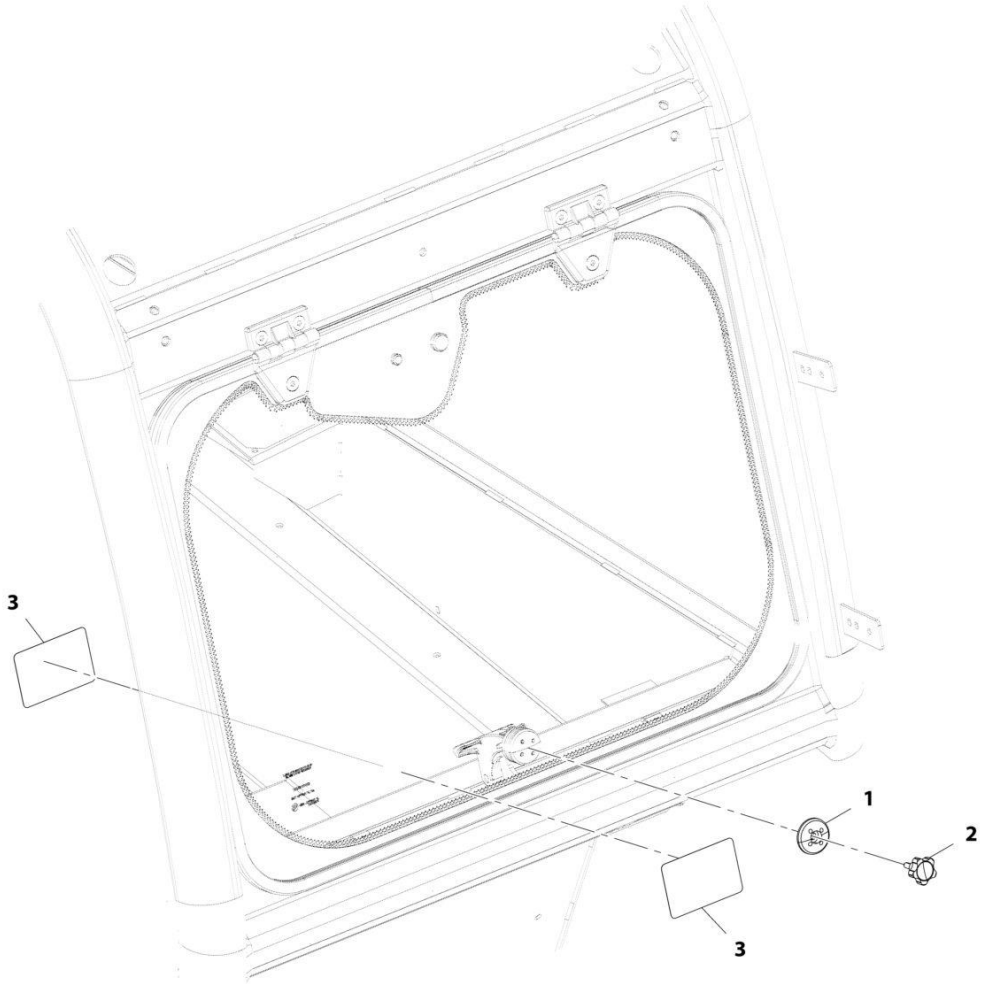


ART_1001212047-A

FIGURE 6-69. EXTERNAL WINDOW RELEASE INSTALLATION (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 6-70. EXTERNAL WINDOW RELEASE INSTALLATION (CAN)



ART_1001178826-C

FIGURE 6-70. EXTERNAL WINDOW RELEASE INSTALLATION (CAN)

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)	

SECTION 7 - CONTROLS

FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION

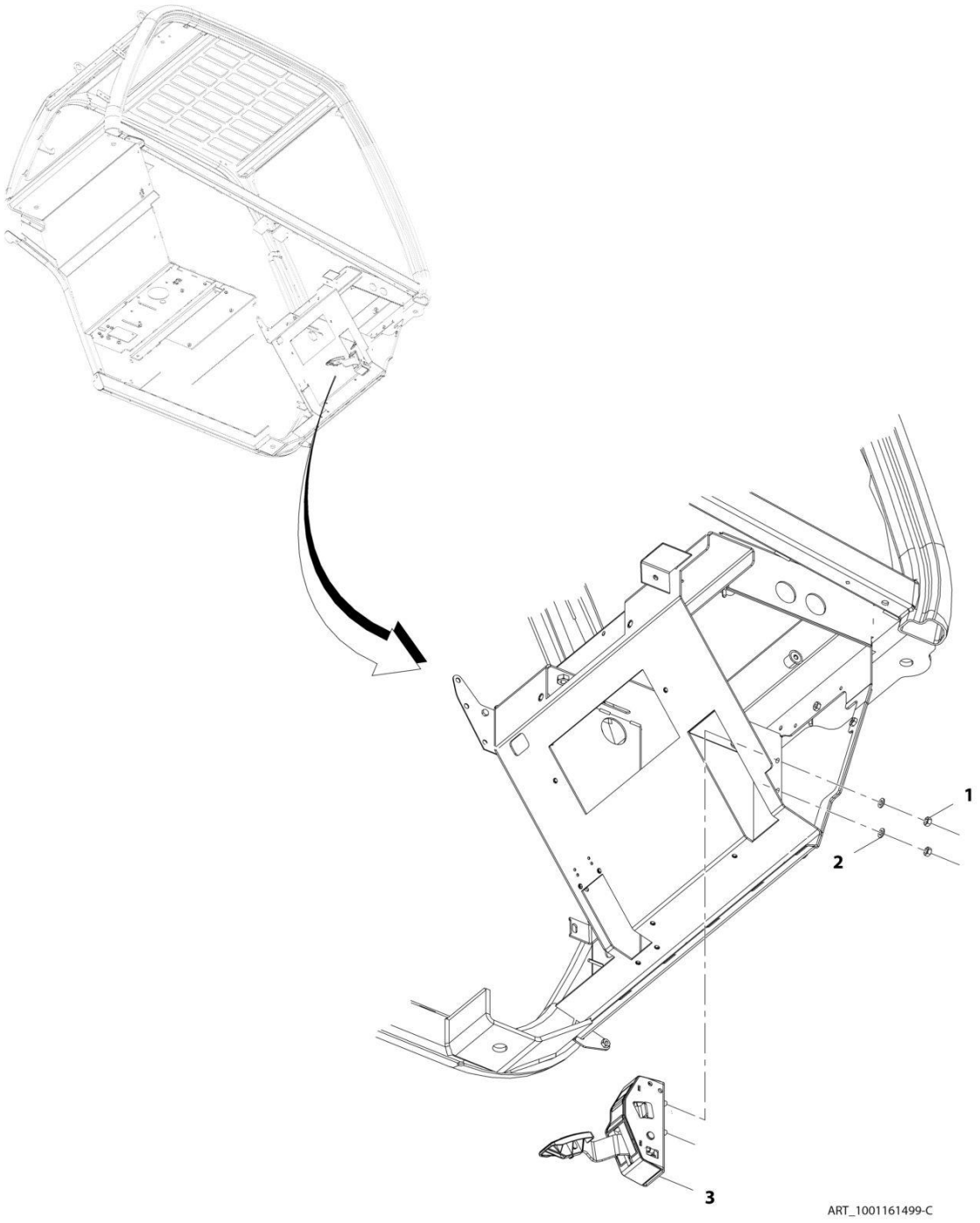


FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION

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

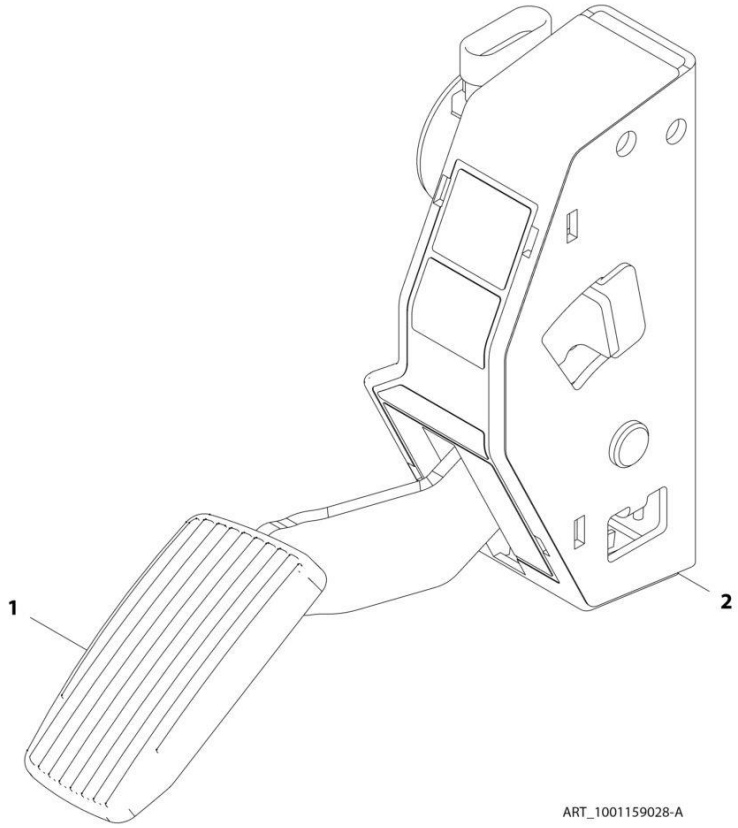


FIGURE 7-2. ACCELERATOR PEDAL

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

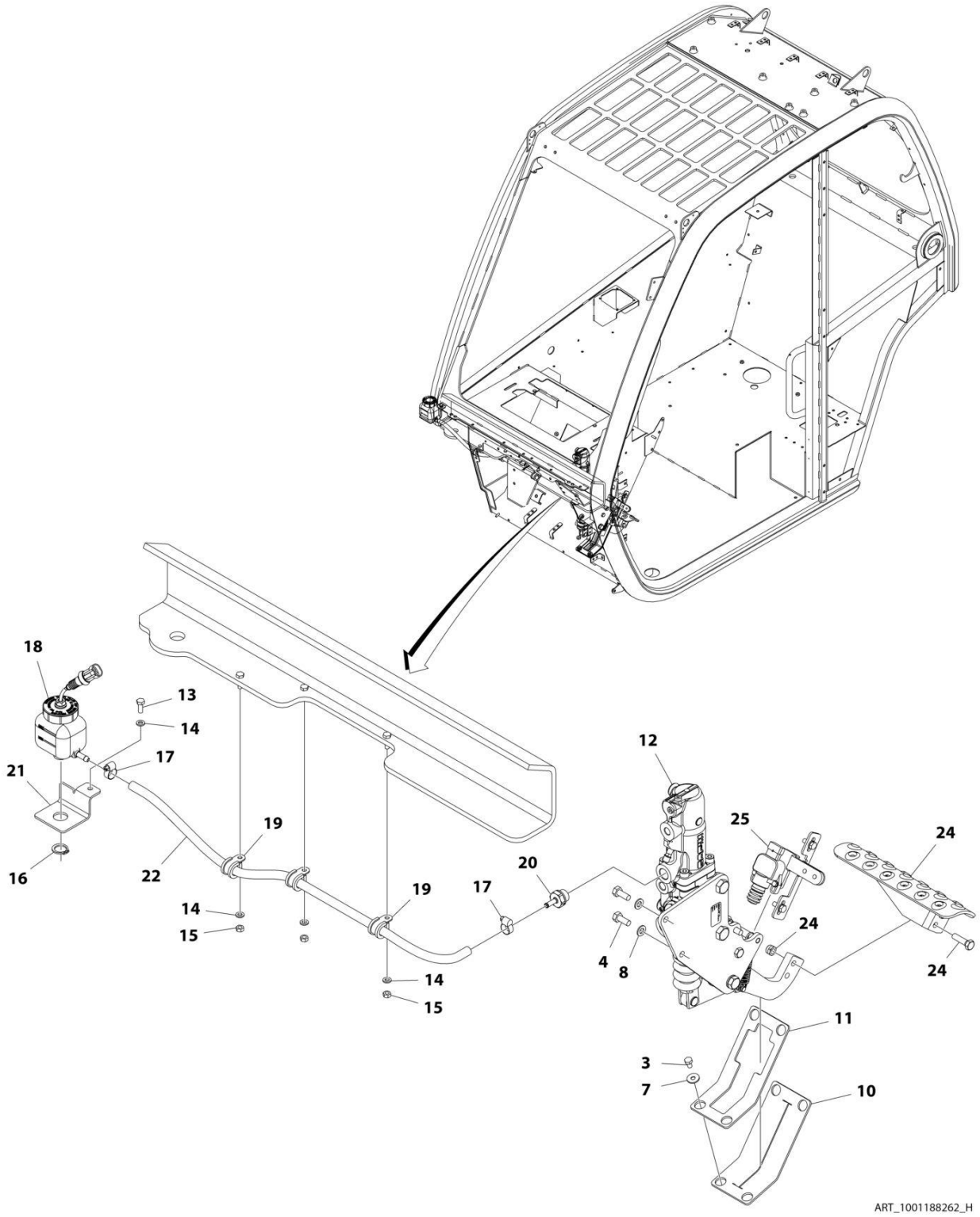


FIGURE 7-3. BRAKE PEDAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188262	Ref	BRAKE PEDAL INSTALLATION	H
3	0760605	4	Bolt M6 x 10	
4	0760810	3	Bolt M8 x 20	
7	4811702	4	Washer M6	
8	4811900	3	Washer M8	
10	1001162920	1	Gasket, Brake Pedal	
11	1001162922	1	Plate	
12	1001187413	1	Pedal, Brake (See Separate Breakdown in this Section)	
13	0760608	1	Bolt M6 x 16	
14	4811700	4	Washer M6	
15	3290601	3	Nut M6	
16	3760348	1	Ring, Retaining	
17	8405009	2	Clamp, Gear	
18	1001269248	1	Reservoir, Brake	
19	1001170231	3	Clip	
20	1001171874	1	Fitting, Hose Barb	
21	1001172088	1	Bracket	
22	1001172094	1	Hose	
24	1001197139	1	Plate, Brake Pedal (See Separate Breakdown in this Section)	
25	1001205061	Ref	Installation, Brake Sensor (See Separate Breakdown in this Section)	

FIGURE 7-4. BRAKE PEDAL

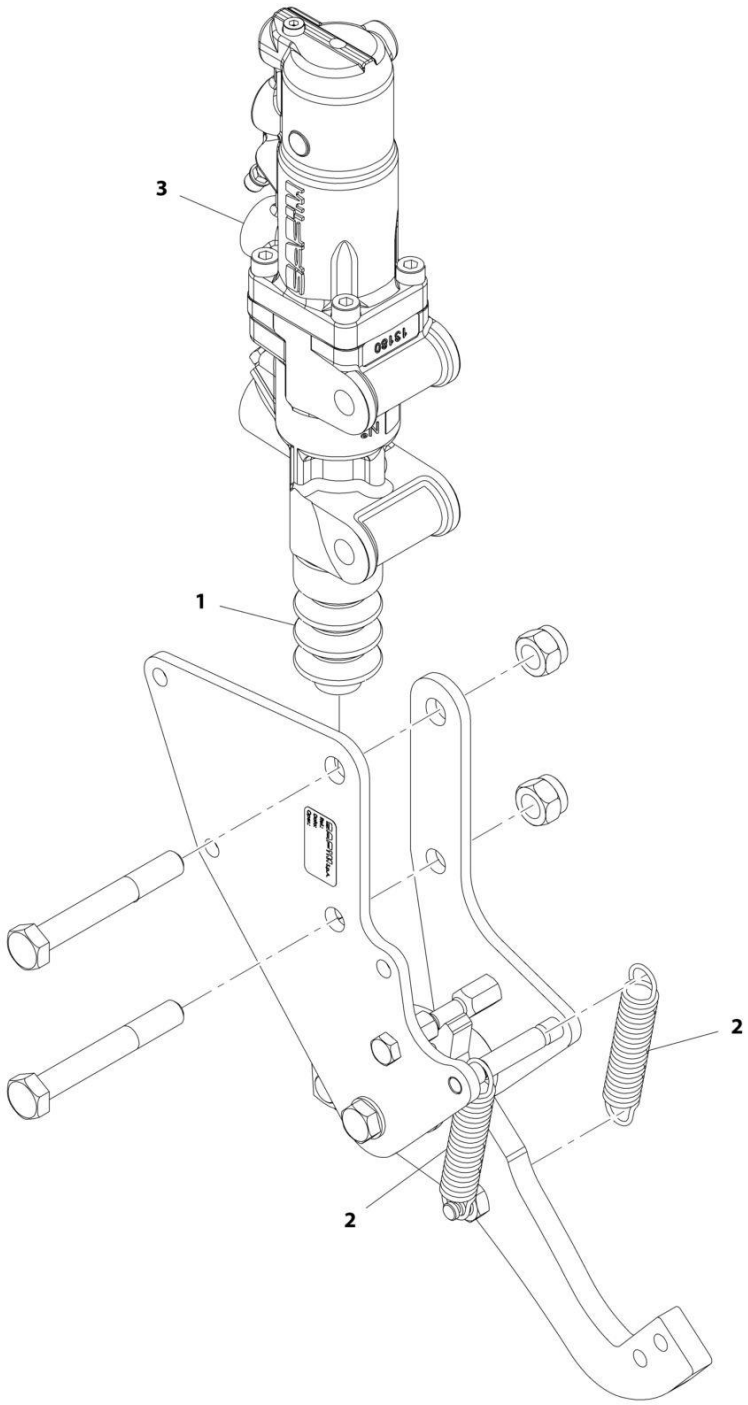


FIGURE 7-4. BRAKE PEDAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187413	Ref	Brake Pedal	D
1	70025859	1	Cover, Dust	
2	70025860	1	Spring, Return	
3	70026537	1	Cylinder, Master	

FIGURE 7-5. BRAKE PEDAL PLATE

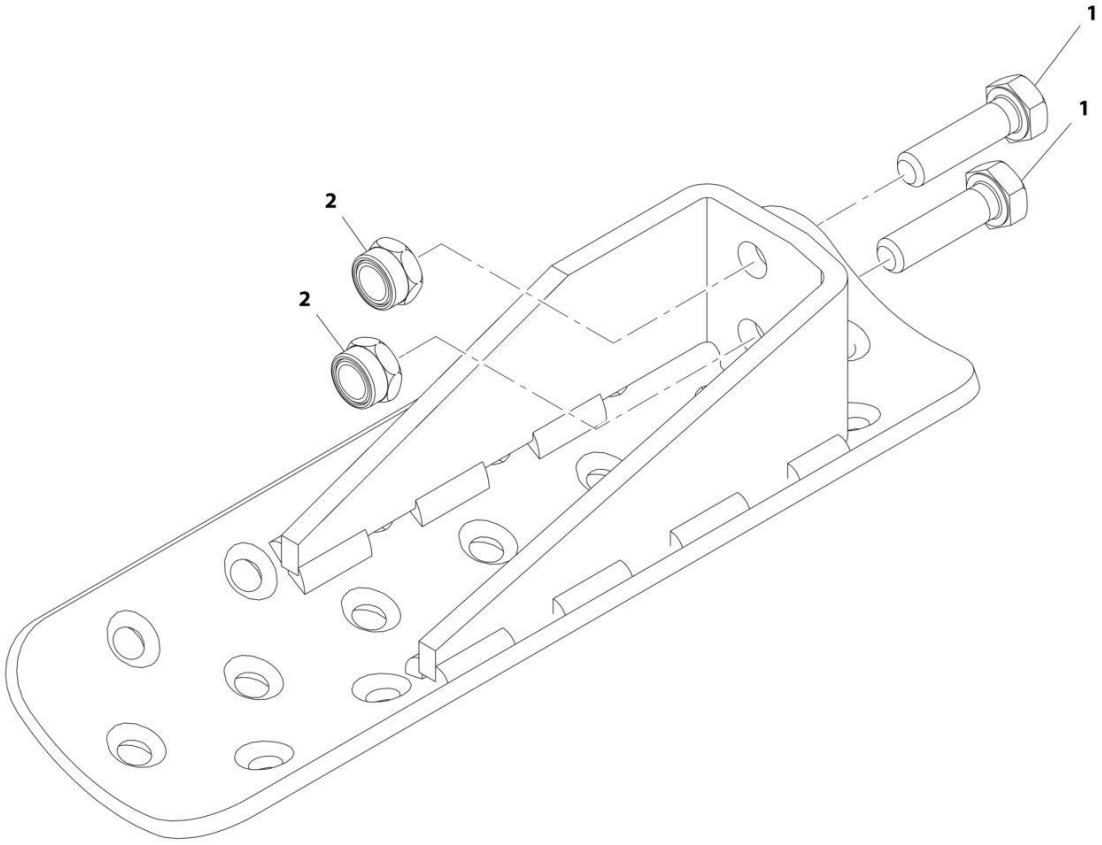


FIGURE 7-5. BRAKE PEDAL PLATE

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. BRAKE SENSOR INSTALLATION

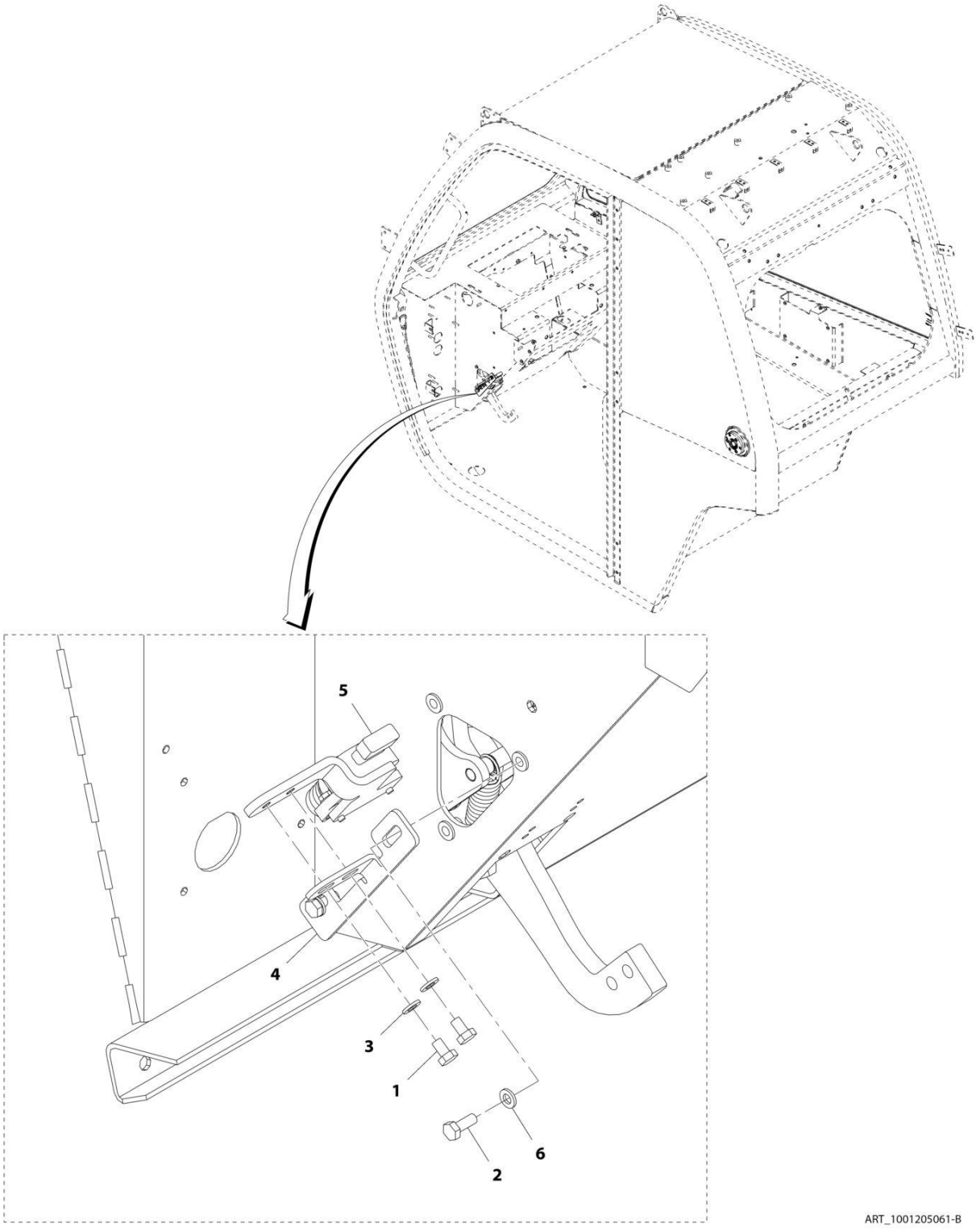
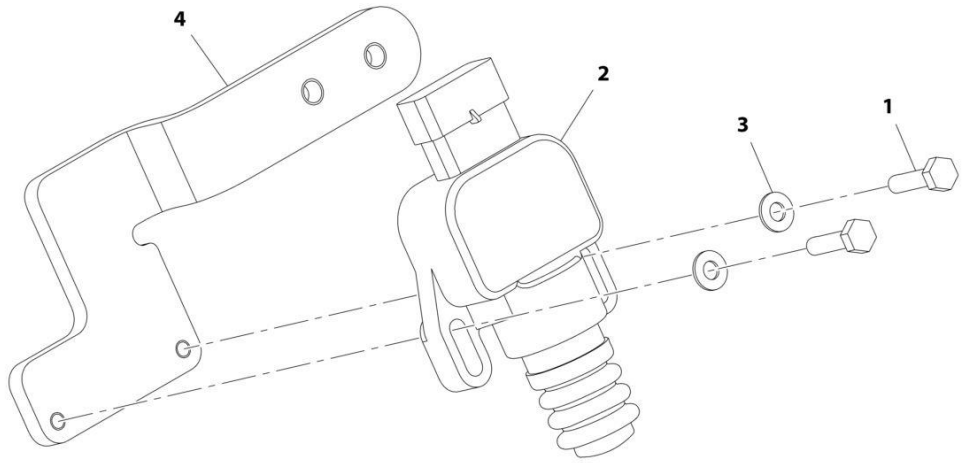


FIGURE 7-6. BRAKE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205061	Ref	Brake Sensor Installation	B
1	0760605	2	Bolt, M6X10	
2	0760608	2	Bolt, M6X16	
3	4811700	2	Washer, M6	
4	1001201499	1	Plate, Switch Adjustment	
5	1001201501	1	Assembly, Switch Plate (See Separate Breakdown in this Section)	
6	4811702	2	Washer, M6	

FIGURE 7-7. SWITCH PLATE ASSEMBLY



ART_1001201501-A

FIGURE 7-7. SWITCH PLATE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201501	Ref	Switch Plate Assembly	A
1	0700408	2	Bolt, M4X16	
2	4360658	1	Sensor, Brake	
3	4811400	2	Washer, M4	
4	1001201500	1	Plate	

FIGURE 7-8. PARKING BRAKE INSTALLATION (CABLE - STANDARD)

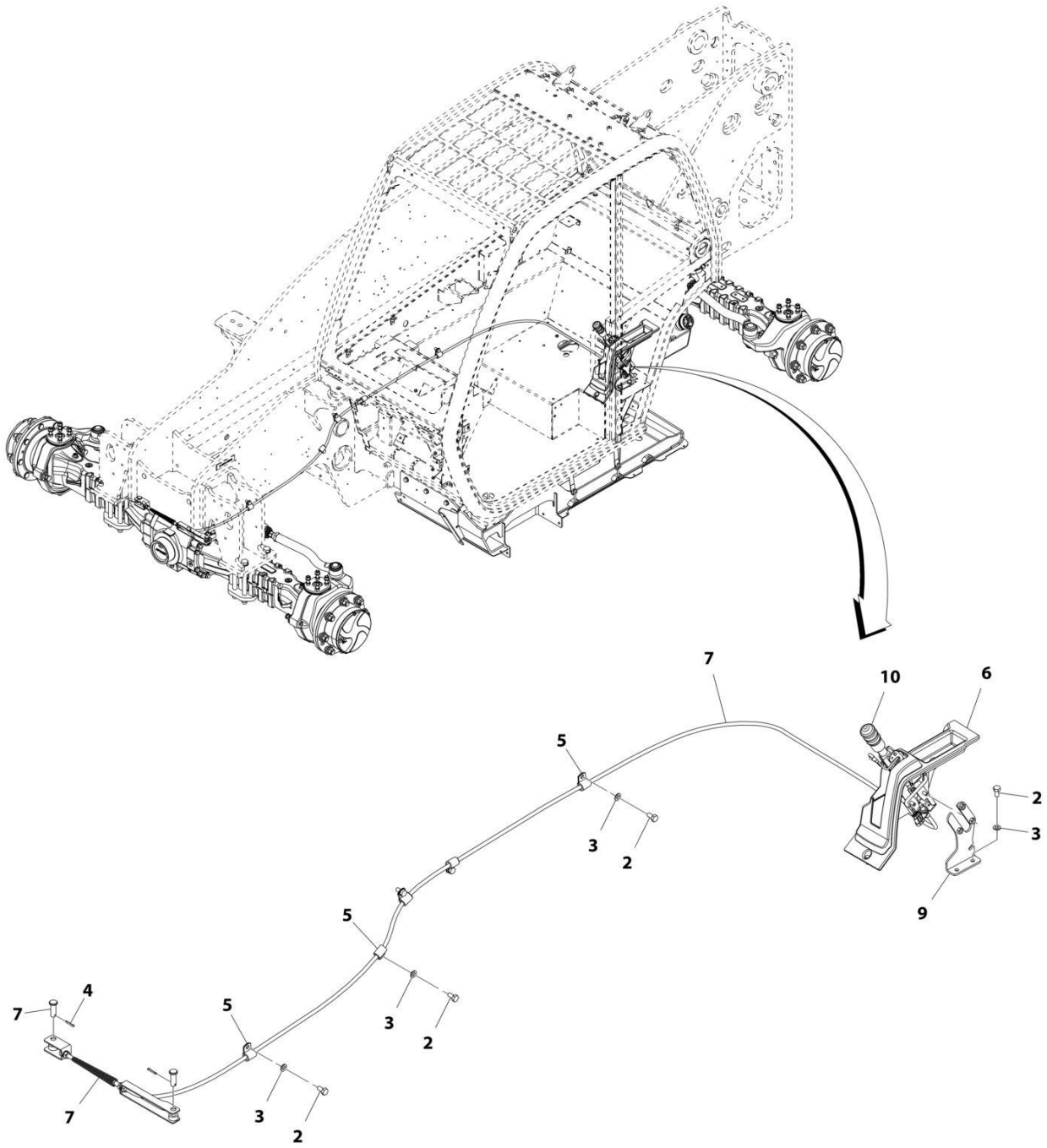
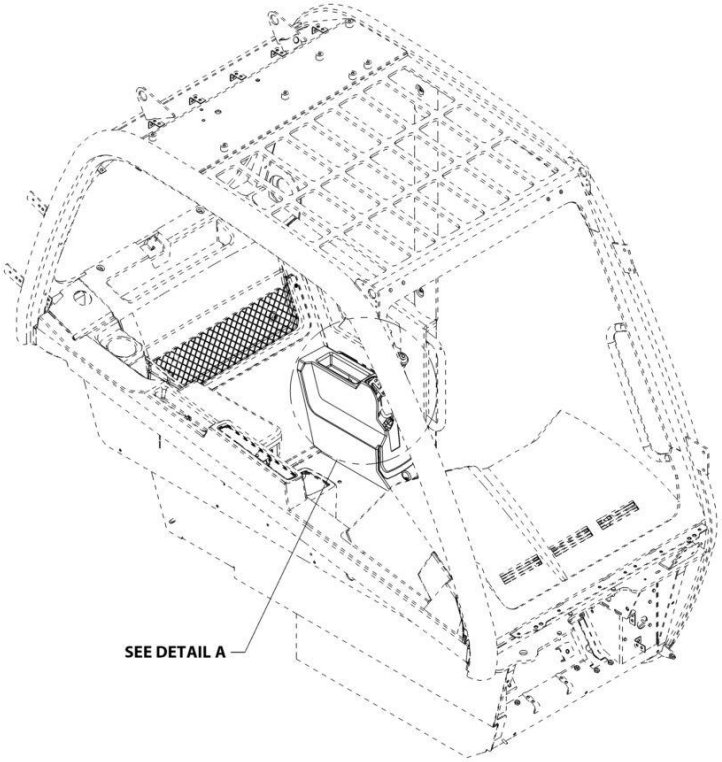
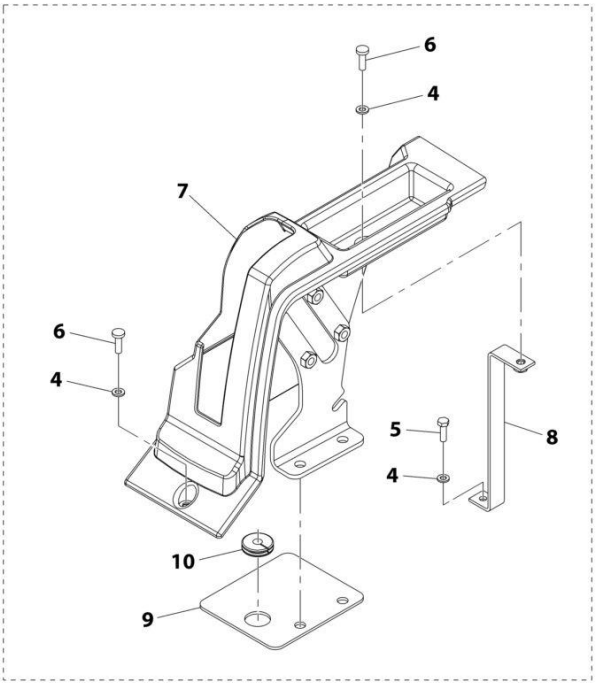


FIGURE 7-8. PARKING BRAKE INSTALLATION (CABLE - STANDARD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180472	Ref	Parking Brake Installation (Cable)	E
2	0761010	7	Bolt, M10X20	
3	4812000	7	Washer, M10	
4	3391408	2	Pin	
5	1001003809	5	Clamp	
6	1001174567	1	Cover, Parking Brake (Mechanical) (See Separate Breakdown in this Section)	
7	1001177053	1	Assembly, Parking Cable (Mechanical) (See Separate Breakdown in this Section)	
9	1001195207	1	Bracket	
10	1001201951	1	Lever, Parking Brake (Mechanical)	

FIGURE 7-9. PARKING BRAKE COVER (MECHANICAL)





DETAIL A

ART_1001174567-C

FIGURE 7-9. PARKING BRAKE COVER (MECHANICAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174567	Ref	Parking Brake Cover (Mechanical)	D
4	4811700	3	Washer, M6	
5	0700610	1	Bolt, M6X20	
6	4010610002	2	Screw, M6X20	
7	1001195004	1	Panel, Brake Cover	
8	1001195254	1	Bracket	
9	1001221255	1	Plate, Cover	
10	1001008469	1	Grommet	
11	3520028	1	Plug (Not Shown)	

FIGURE 7-10. PARKING CABLE ASSEMBLY (MECHANICAL)

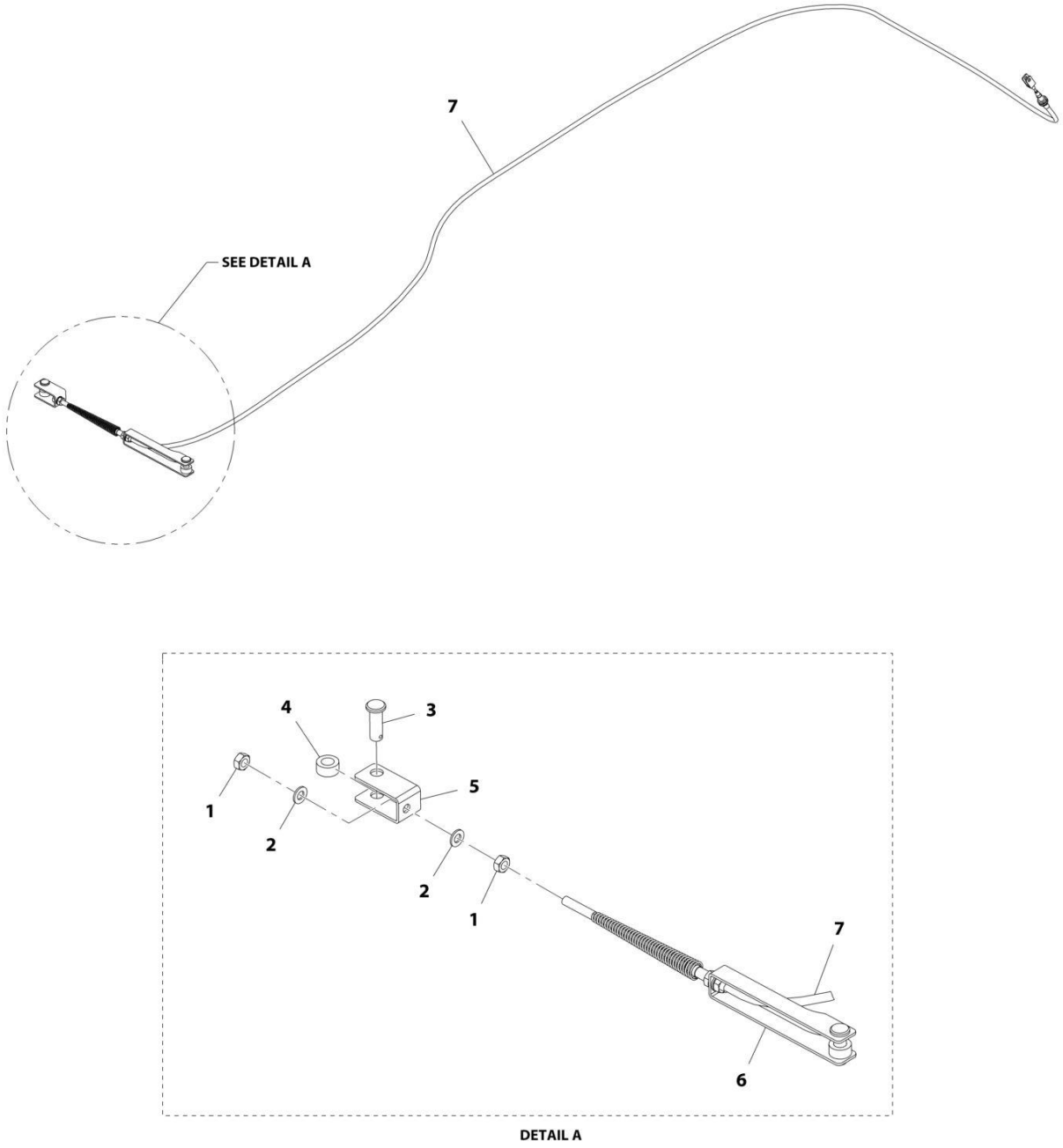


FIGURE 7-10. PARKING CABLE ASSEMBLY (MECHANICAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177053	Ref	Parking Cable Assembly (Mechanical)	A
1	3291001	4	Nut, M10X1.5 Grade 8	
2	4812000	4	Washer, M10	
3	1001177048	2	Pin	
4	1001177049	2	Spacer	
5	1001177050	1	Clevis, Park Brake Small	
6	1001177051	1	Clevis, Park Brake Large	
7	1001177052	1	Cable, Hand Brake	

FIGURE 7-11. STEERING WHEEL INSTALLATION

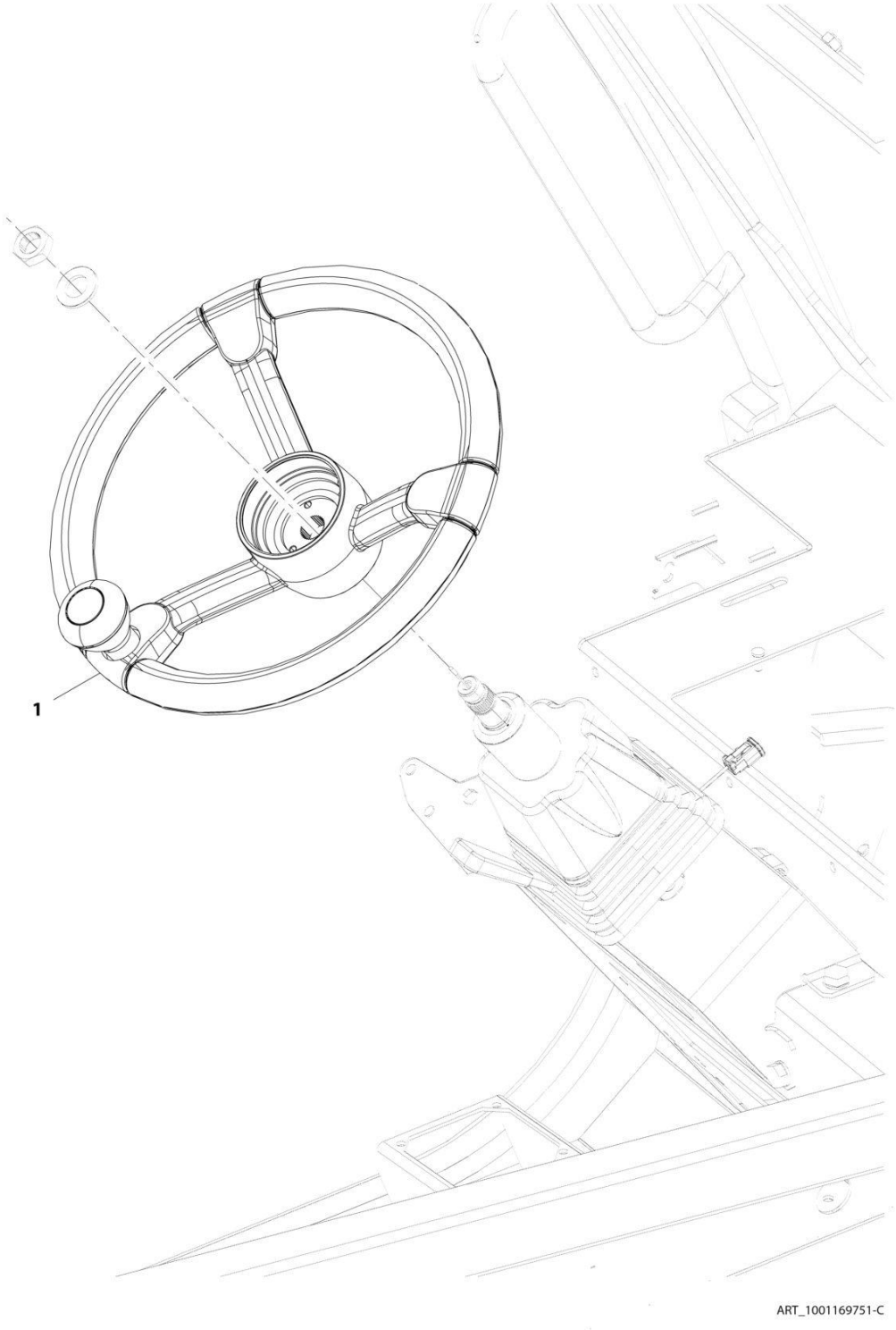
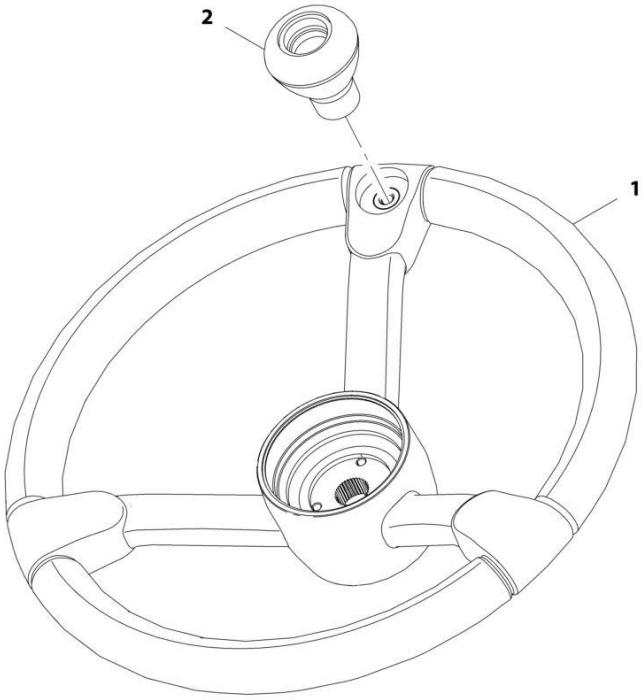


FIGURE 7-11. STEERING WHEEL INSTALLATION

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

FIGURE 7-12. STEERING WHEEL



ART_1001169354-D

FIGURE 7-12. 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 7-13. STEERING COLUMN INSTALLATION

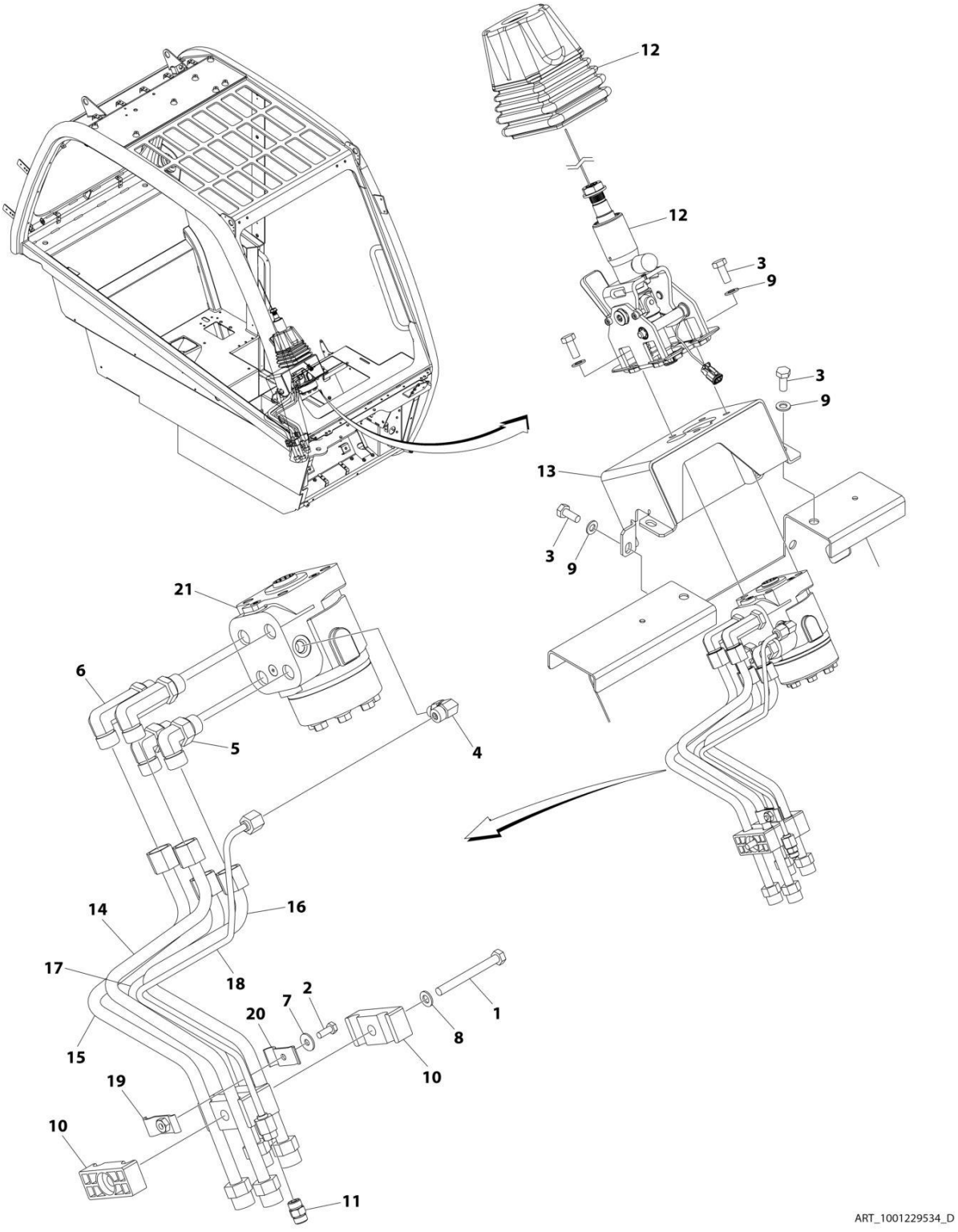
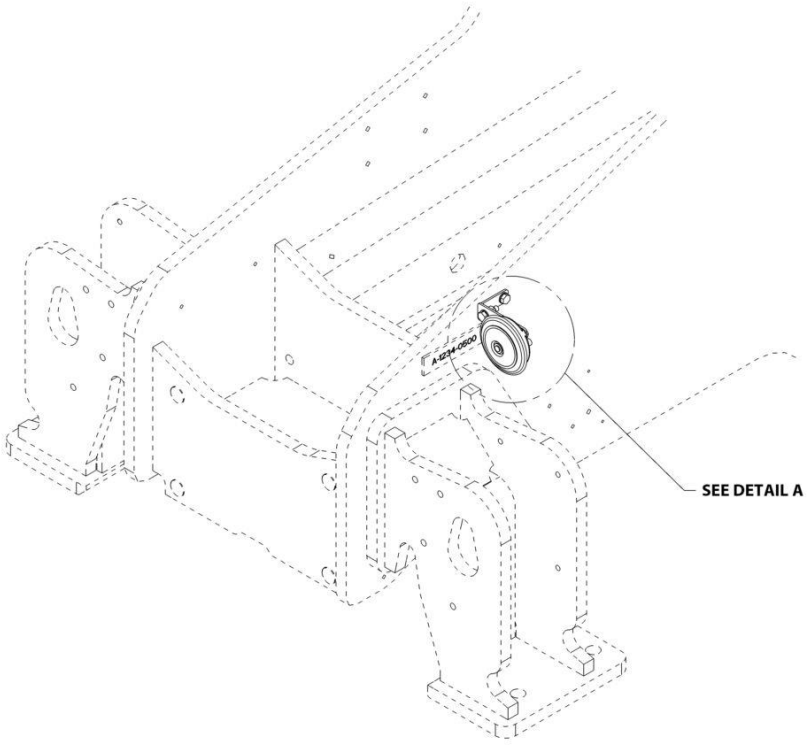
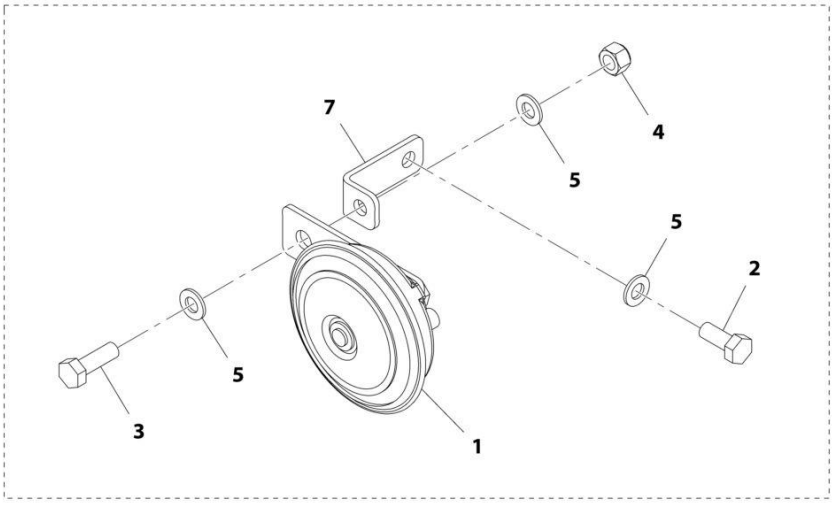


FIGURE 7-13. STEERING COLUMN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229534	Ref	Steering Column Installation	D
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	Fitting, Straight ORFS	
12	1001257330	1	Column Assembly - Tilt Steering (No Service Parts Available - Purchase Complete Assembly))	
13	1001156265	1	Bracket, Support	
14	1001161672	1	Pipe	
15	1001161896	1	Pipe	
16	1001161897	1	Pipe	
17	1001161898	1	Pipe	
18	1001162979	1	Pipe	
19	1001168142	1	Bracket	
20	1001168151	1	Bracket	
21	1001229087	1	Valve, Steering Unit	

FIGURE 7-14. HORN INSTALLATION





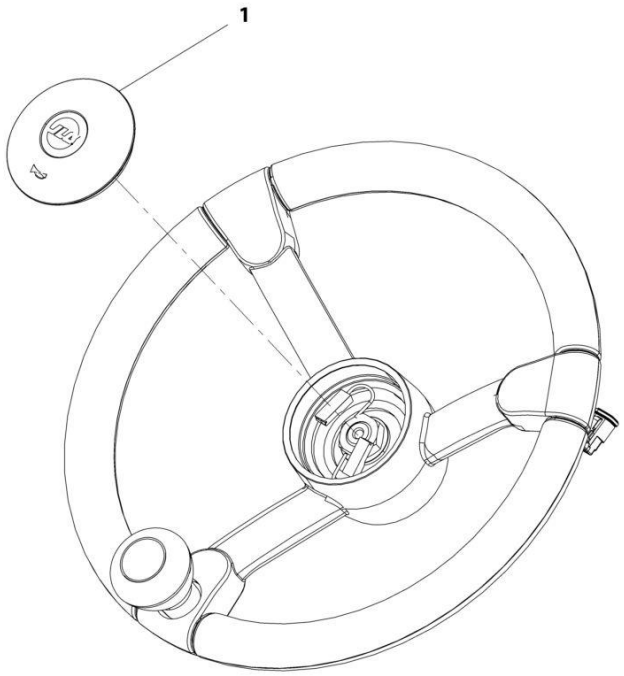
DETAIL A

ART_1001180418-C

FIGURE 7-14. HORN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180418	Ref	Horn Installation	C
1	1001003596	1	Horn	
2	0760810	1	Bolt, M8X20	
3	0760812	1	Bolt, M8X25	
4	3290805	1	Nut, Lock M8X1.25 Grade 8	
5	4811900	3	Washer, M8	
7	1001104437	1	Bracket, Horn Mount	

FIGURE 7-15. HORN BUTTON INSTALLATION



ART_1001169763-A

FIGURE 7-15. HORN BUTTON INSTALLATION

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

FIGURE 7-16. JOYSTICK INSTALLATION

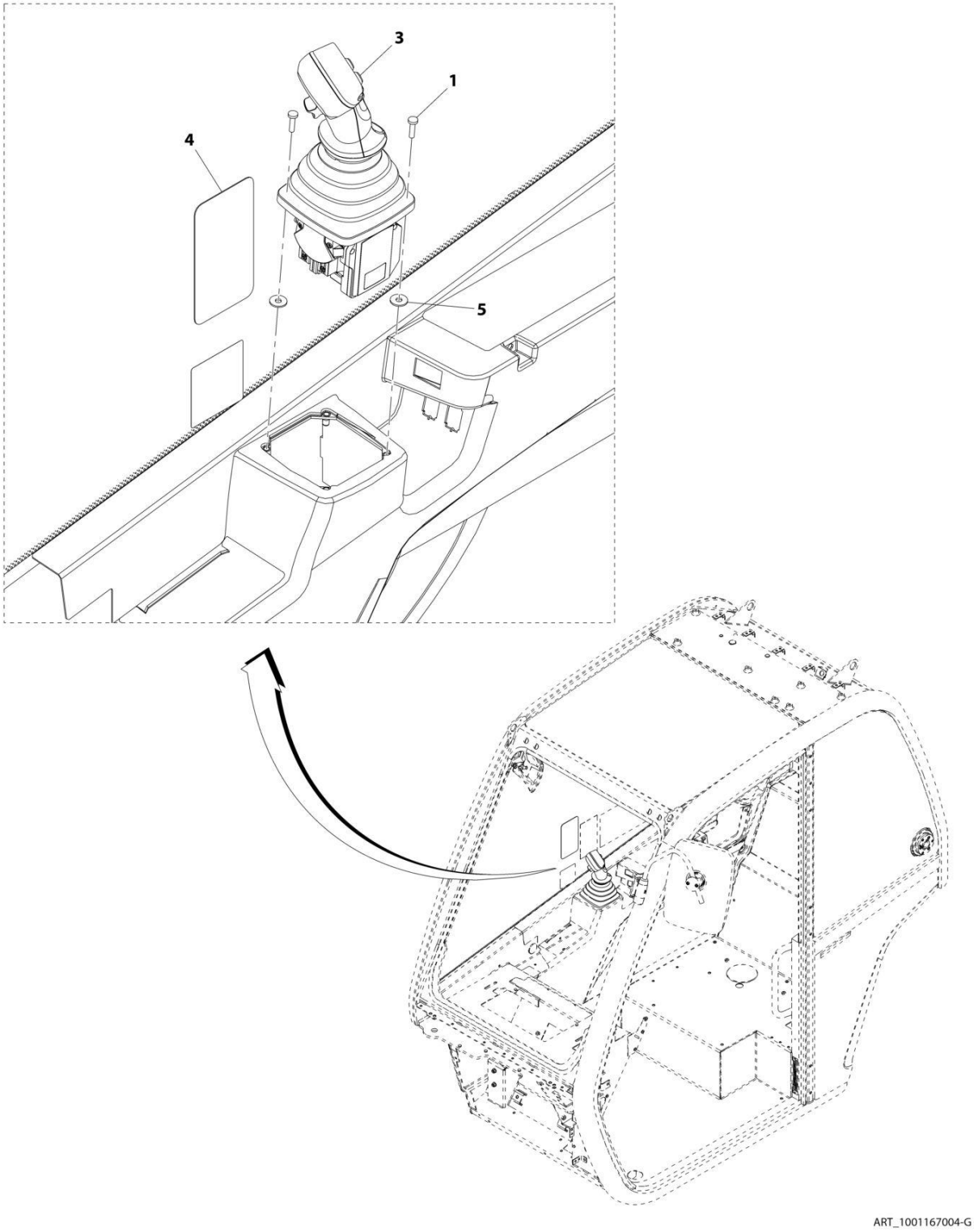


FIGURE 7-16. JOYSTICK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167004	Ref	Joystick Installation	H
1	4010510	4	Screw, M5X20	
3	1001222603	1	Joystick	
4	1001236404	NLA	Decal, Joystick (no longer available, use 1001241950 for replacement)	
4	1001241950	1	Decal, Joystick	
5	4811702001	AR	Washer, M6	

FIGURE 7-17. WIPER-TURN SWITCH (0 SPEED - FNR)

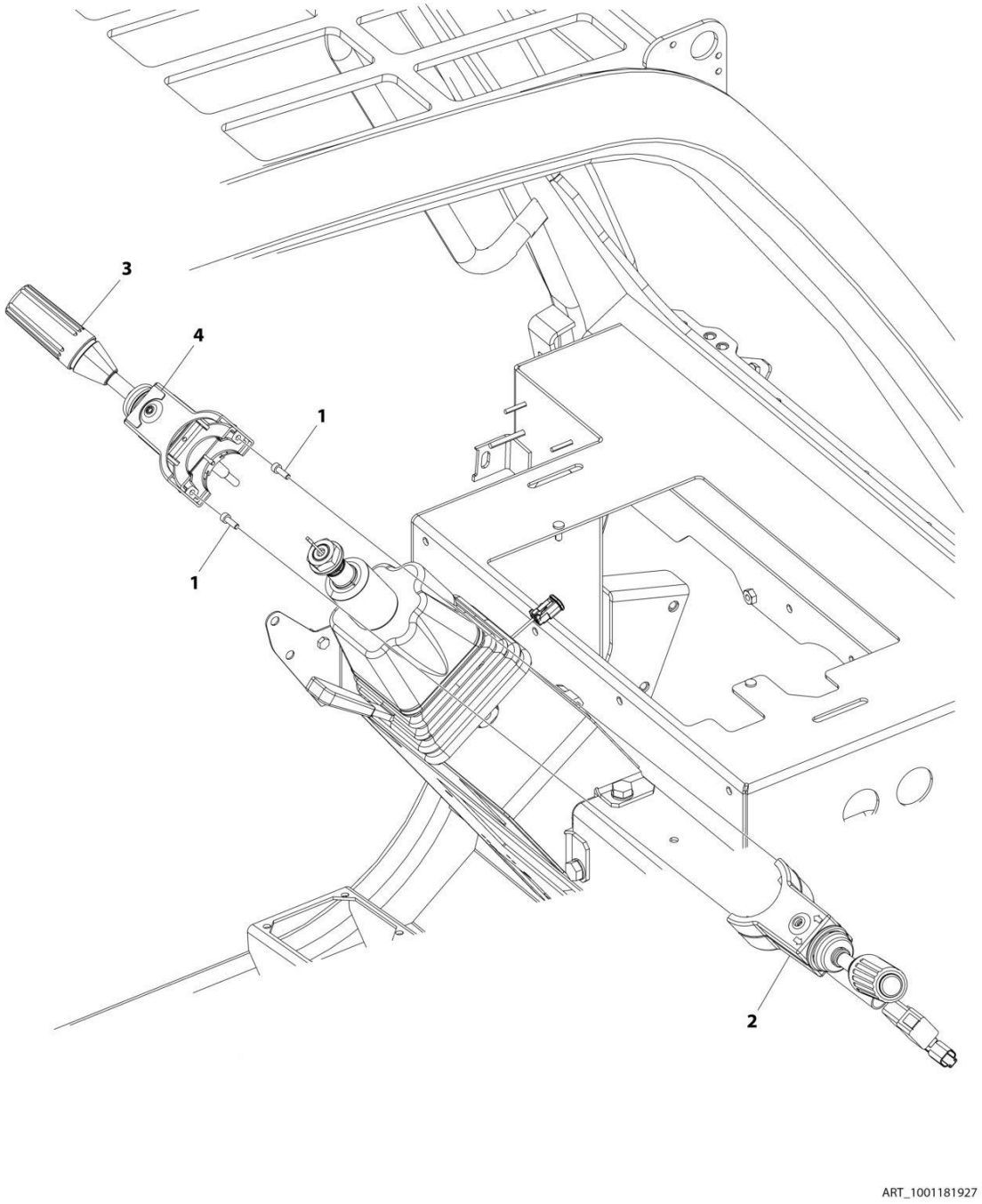


FIGURE 7-17. WIPER-TURN SWITCH (0 SPEED - FNR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181927	Ref	Wiper-Turn Switch (0 Speed - FNR)	F
1	4031607	2	Bolt, M5X16	
2	1001214280	1	Switch, Turn-Wiper	
3	1001257348	1	Switch, Zero Speed	
4	1001236402	1	Decal	

FIGURE 7-18. WIPER-TURN SWITCH (NO SPEED)

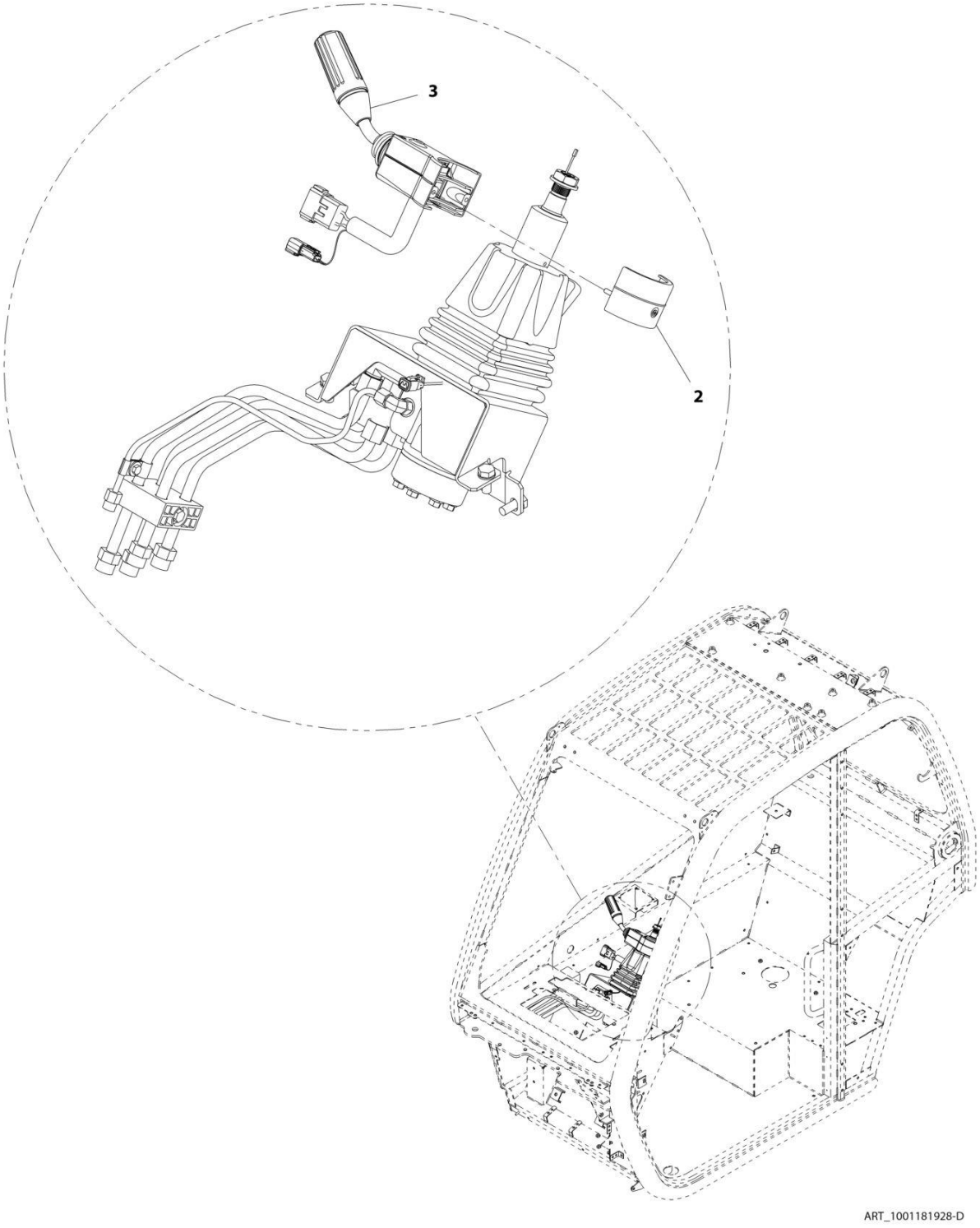
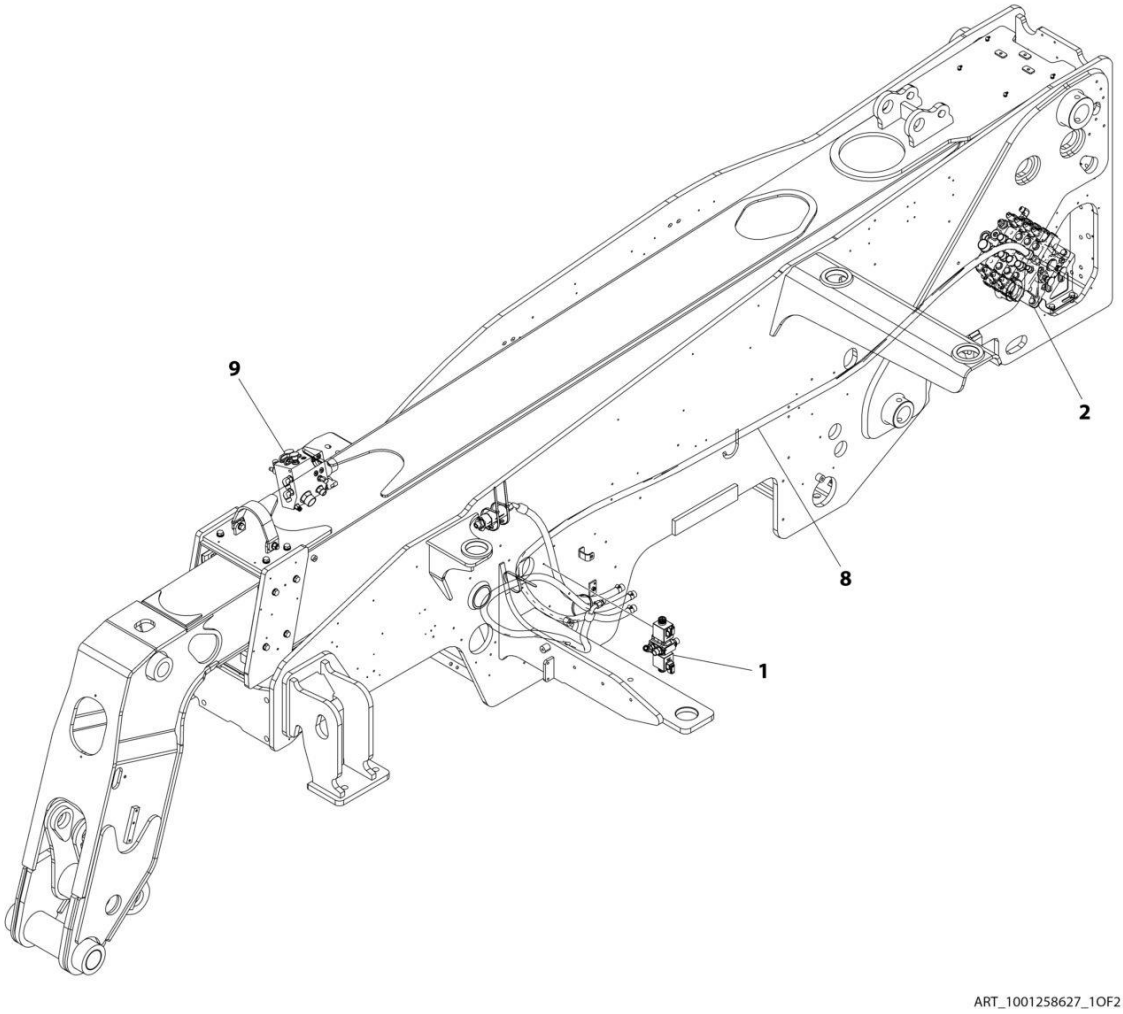


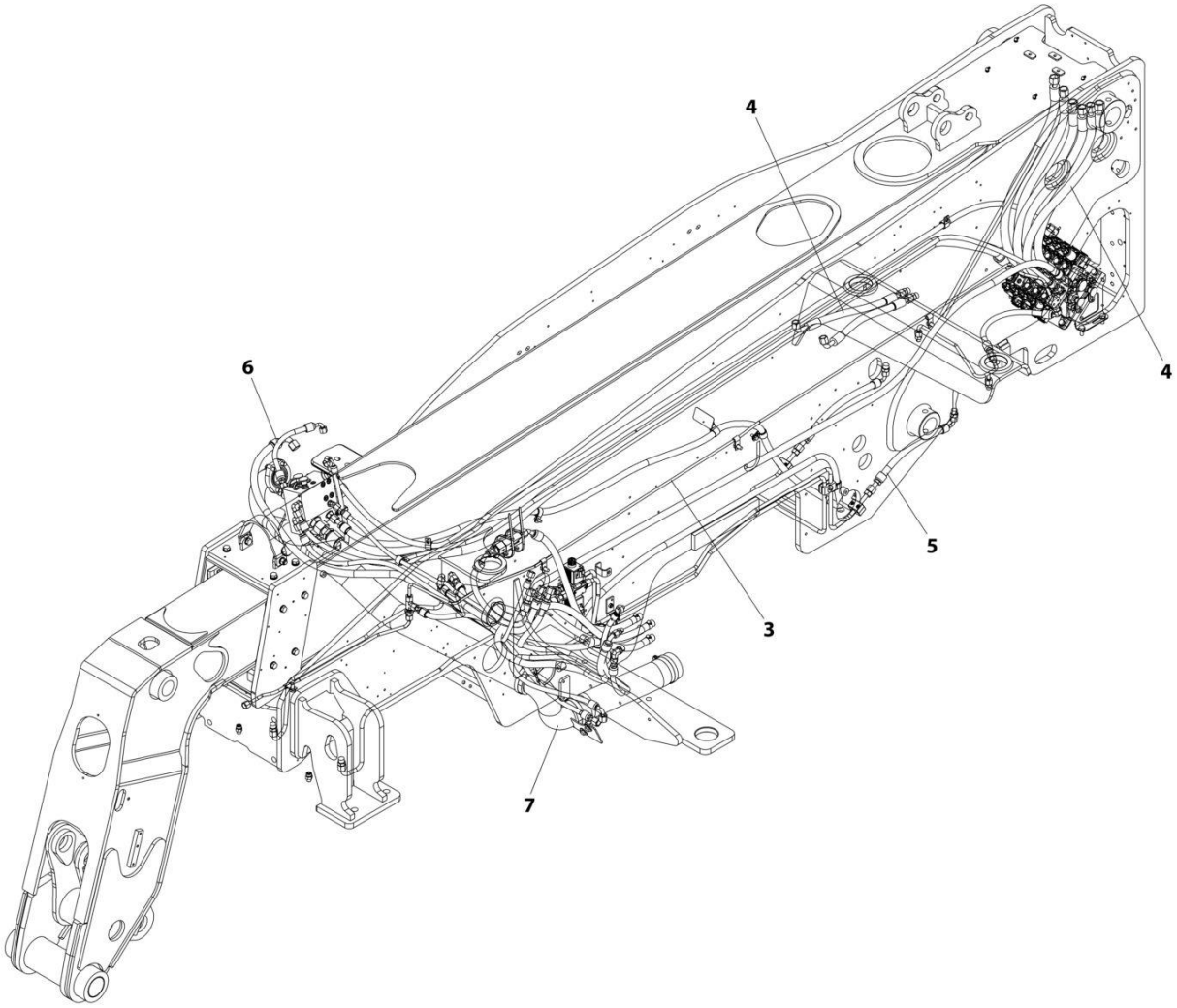
FIGURE 7-18. WIPER-TURN SWITCH (NO SPEED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181928	Ref	Wiper-Turn Switch (No Speed)	D
2	1001146949	1	Clamp	
3	1001214280	1	Switch, Turn-Wiper	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. COMMON HYDRAULICS INSTALLATION





ART_1001258627_2OF2

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. COMMON HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258627	Ref	HYDRAULICS INSTALLATION	D
1	1001172894	1	Installation, Steer Valve (See Separate Breakdown in this Section)	
2	1001172900	1	Installation, Main Control Valve (See Separate Breakdown in this Section)	
3	1001172909	1	Installation, Brake Lines (See Separate Breakdown in this Section)	
4	1001173023	1	Installation, Boom Lines (See Separate Breakdown in this Section)	
5	1001180134	1	Installation, Steering Lines (See Separate Breakdown in this Section)	
6	1001269407	1	Installation, Priority Lines (See Separate Breakdown in this Section)	
7	1001184531	1	Installation, Suction Lines (See Separate Breakdown in this Section)	
8	1001185351	1	Installation, Return Lines (See Separate Breakdown in this Section)	
9	1001269021	1	Installation, Priority Valve (See Separate Breakdown in this Section)	

FIGURE 8-2. AUXILIARY HYDRAULICS INSTALLATION - REAR (TWIN)

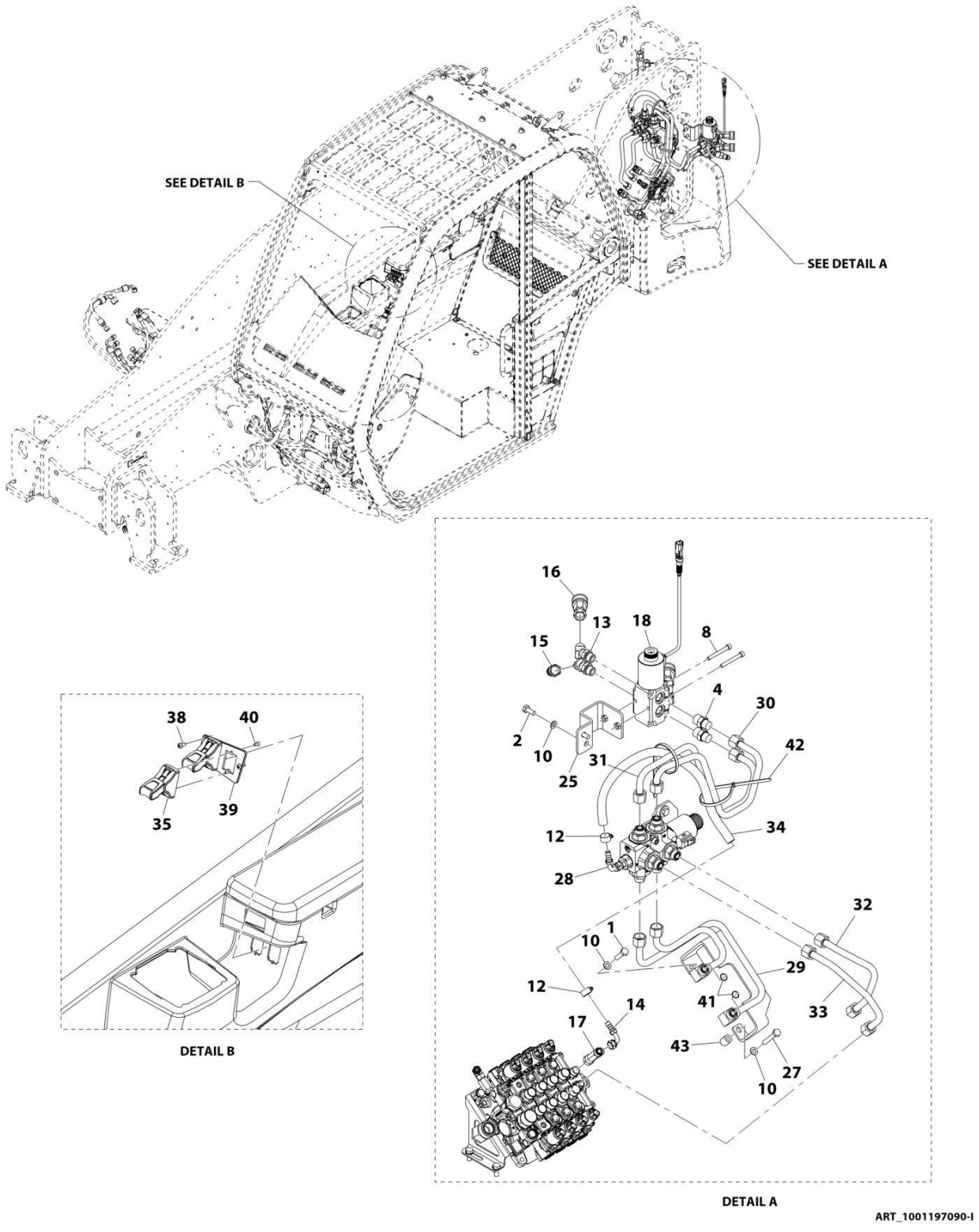


FIGURE 8-2. AUXILIARY HYDRAULICS INSTALLATION - REAR (TWIN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197090	Ref	Rear Aux Hydraulics Installation (Twin)	I
1	0701016	1	Bolt, M10X40	
2	0761012	2	Bolt, M10X25	
4	2111010	2	Fitting, Straight ORFS	
8	4031918	2	Bolt, M8X70	
10	4812000	4	Washer, M10	
12	8405006	2	Clamp	
13	1001005904	4	Fitting, 45	
14	1001095301	1	Fitting, 90 ORFS	
15	1001101041	2	Coupling, Male Quick Disconnect	
16	1001101042	2	Coupling, Female Quick Disconnect	
17	1001104646	1	Fitting, Tee ORFS	
18	1001110023	1	Valve, Divertor (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
25	1001213871	1	Bracket	
27	0701021	1	Bolt, M10X65	
28	1001204420	1	Assembly, Divertor Valve (Hi Flow) (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
29	1001204421	NLA	Pipe (no longer available, use 1001226776 for replacement)	
29	1001226776	1	Pipe	
30	1001213771	NLA	Pipe, ORFS (no longer available, use 1001226101 for replacement)	
30	1001226101	1	Pipe, ORFS	
31	1001213772	1	Pipe, ORFS	
32	1001204427	NLA	Pipe, ORFS (no longer available, use 1001226777 for replacement)	
32	1001226777	1	Pipe, ORFS	
33	1001204428	NLA	Pipe, ORFS (no longer available, use 1001226778 for replacement)	
33	1001226778	1	Pipe, ORFS	
34	1001204437	NLA	Hose (no longer available, use 1001226779 for replacement)	
34	1001226779	1	Hose	
35	1001242098	2	Joystick, Fingertip Control	
38	7029486	1	Screw	
39	1001216163	1	Plate	
40	1001216232	4	Screw	
41	1001008922	2	Seal	
42	1062255	2	Strap, Tie	
43	1001188548	1	Boss	

FIGURE 8-3. AUXILIARY HYDRAULICS INSTALLATION - REAR (SINGLE)

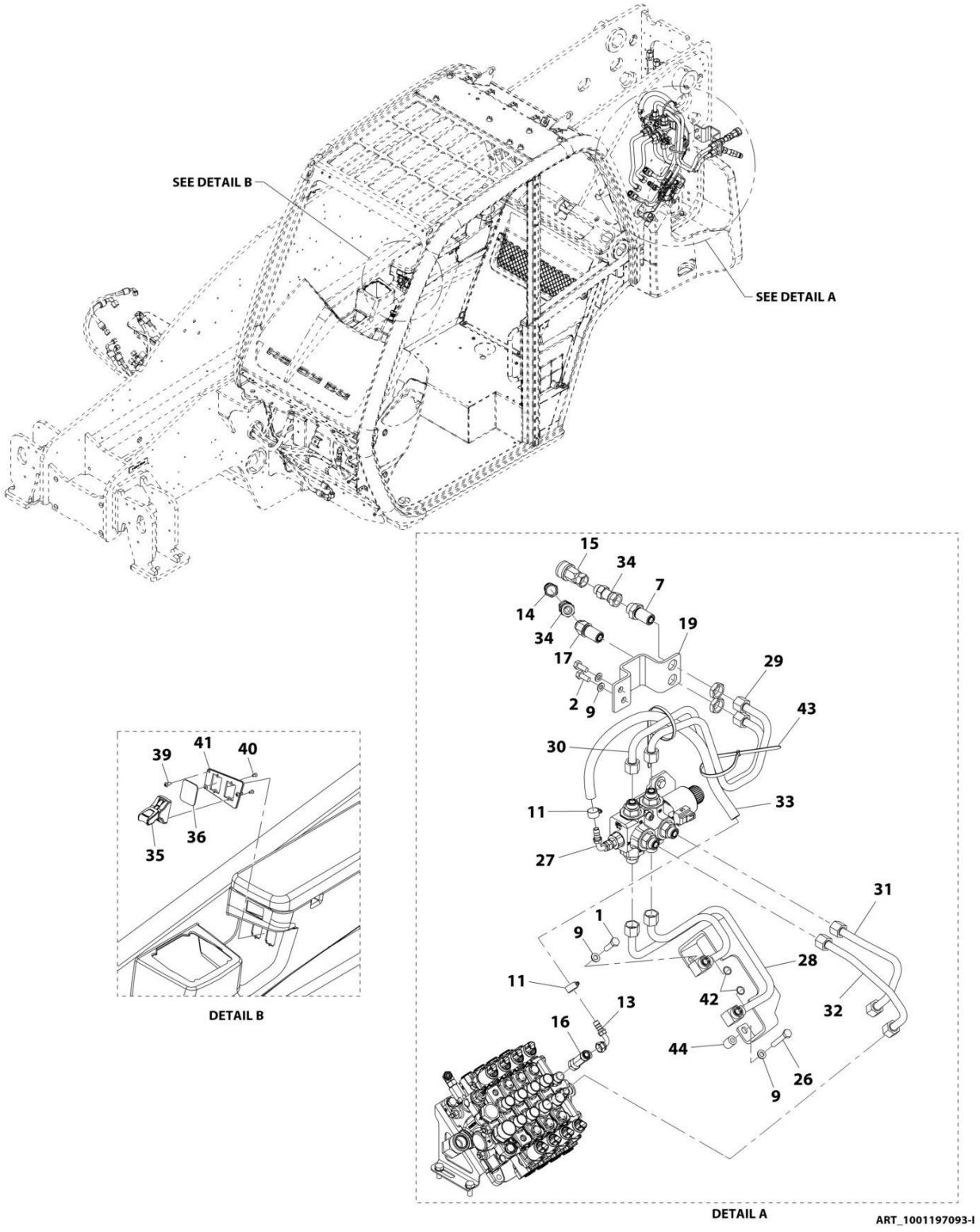


FIGURE 8-3. AUXILIARY HYDRAULICS INSTALLATION - REAR (SINGLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197093	Ref	Rear Aux Hydraulics Installation (Single)	I
1	0701016	1	Bolt, M10X40	
2	0761012	2	Bolt, M10X25	
7	2171110	1	Fitting, Straight ORFS	
9	4812000	4	Washer, M10	
11	8405006	2	Clamp	
13	1001095301	1	Fitting, 90 ORFS	
14	1001101041	1	Coupling, Male Quick Disconnect	
15	1001101042	1	Coupling, Female Quick Disconnect	
16	1001104646	1	Fitting, Tee ORFS	
17	2171310	1	Fitting, 45 ORFS	
19	1001213829	1	Bracket	
26	0701021	1	Bolt, M10X65	
27	1001204420	1	Assembly, Divertor Valve (Hi Flow) (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
28	1001204421	NLA	Pipe (no longer available, use 1001226776 for replacement)	
28	1001226776	1	Pipe	
29	1001213771	NLA	Pipe, ORFS (no longer available, use 1001226101 for replacement)	
29	1001226101	1	Pipe, ORFS	
30	1001213772	1	Pipe, ORFS	
31	1001204427	NLA	Pipe, ORFS (no longer available, use 1001226777 for replacement)	
31	1001226777	1	Pipe, ORFS	
32	1001204428	NLA	Pipe, ORFS (no longer available, use 1001226778 for replacement)	
32	1001226778	1	Pipe, ORFS	
33	1001204437	NLA	Hose (no longer available, use 1001226779 for replacement)	
33	1001226779	1	Hose	
34	1001001556	2	Fitting, Straight ORFS	
35	1001242098	1	Joystick, Fingertip Control	
36	1001214399	1	Cover	
39	7029486	3	Screw	
40	1001216232	2	Screw	
41	1001216163	1	Plate	
42	1001008922	2	Seal	
43	1062255	2	Strap, Tie	
44	1001188548	1	Boss	

FIGURE 8-4. BOOM HYDRAULIC INSTALLATION

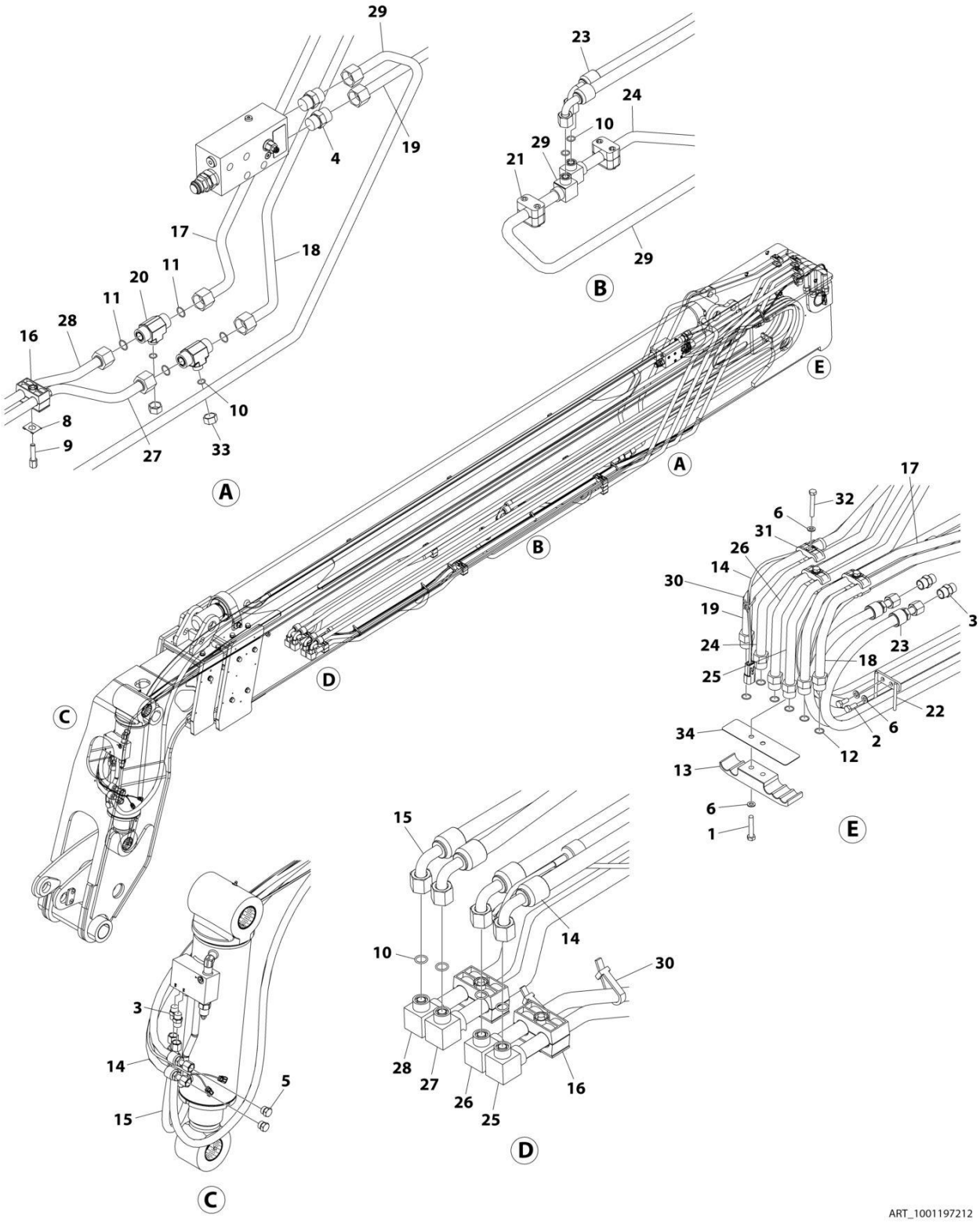


FIGURE 8-4. BOOM HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197212	Ref	BOOM HYDRAULIC INSTALLATION	G
1	0760815	2	Bolt, M8 x 35	
1	0760817	2	Bolt M8 x 45	
2	0760810	2	Bolt, M8 x 20	
3	2110808	4	Fitting, Straight ORFS	
4	2111212	2	Fitting, Straight ORFS	
5	2171008	2	Fitting, Straight ORFS	
6	4811900	7	Washer, M8	
8	8750017	1	Plate	
9	8750038	1	Clamp	
10	1001008805	8	Seal	
11	1001008863	4	Seal	
12	1001008922	6	Seal	
13	1001213020	1	Clamp (Used without Item 24 Clamping Plate)	
13	1001276011	1	Clamp (Used with Item 24 Clamping Plate)	
14	1001186170	1	Assembly, Boom Cable (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
15	1001270599	1	Hose, Twin	
16	1001181455	7	Clamp, Twin	
17	1001181945	1	Tube	
18	1001181946	1	Tube	
19	1001182066	1	Tube	
20	1001182793	2	Adapter, ORFS	
21	1001183580	2	Clamp	
22	1001196268	1	Bracket	
23	1001196442	1	Hose, Twin	
24	1001197281	1	Pipe	
25	1001197300	1	Pipe	
26	1001197301	1	Pipe	
27	1001197302	1	Pipe	
28	1001197303	1	Pipe	
29	1001197500	1	Pipe	
30	1001008923	AR	Strap, Tie	
31	1001213883	3	Clamp	
32	0700819	3	Bolt, M8 x 55	
33	2170908	2	Cap, Fitting	
34	1001277894	1	Plate, Clamping	

FIGURE 8-5. BOOM LINES INSTALLATION

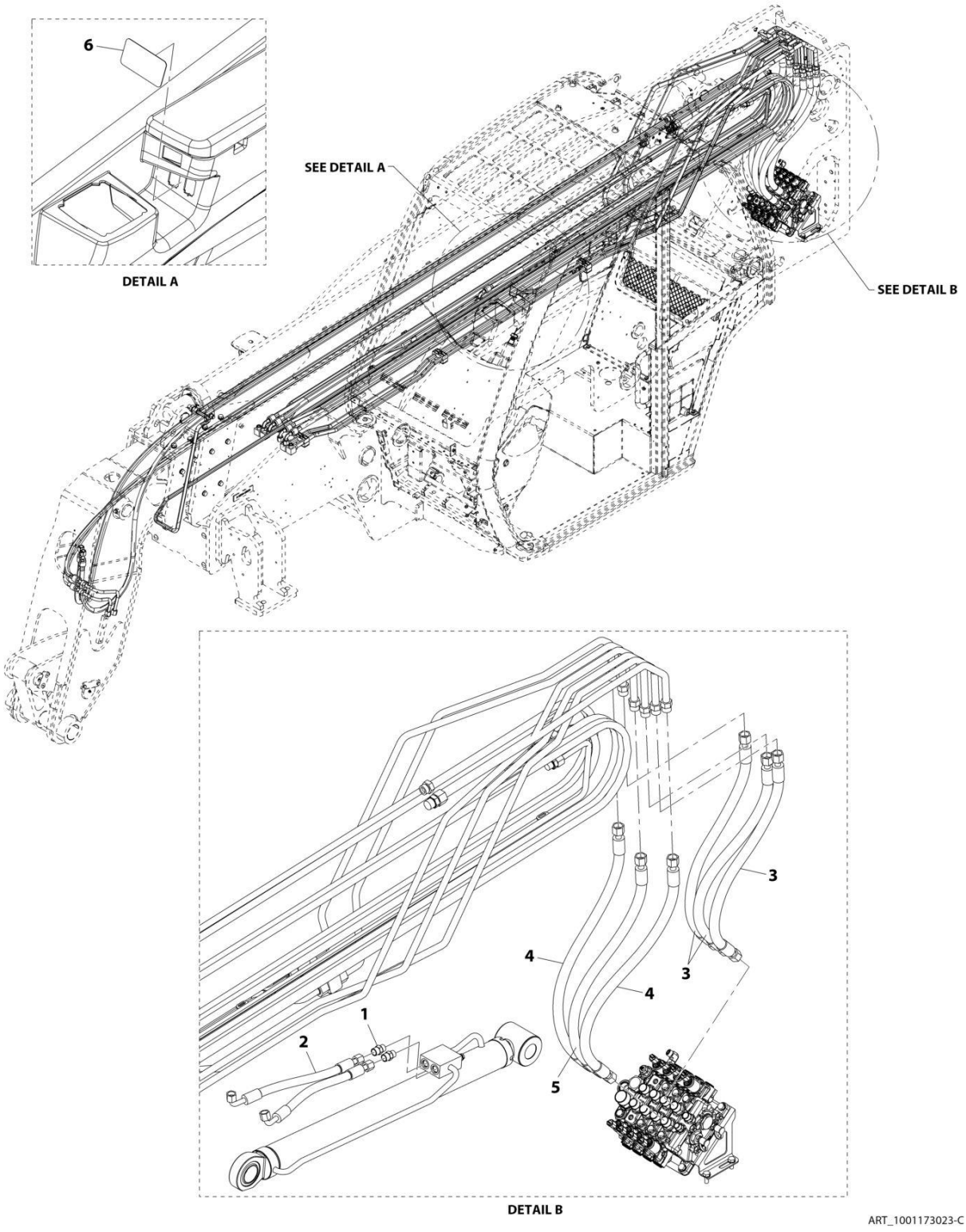


FIGURE 8-5. BOOM LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173023	Ref	Boom Lines Installation	D
1	2110808	2	Fitting, Straight ORFS	
2	1001181784	2	Hose	
3	1001183990	3	Hose	
4	1001183959	2	Hose	
5	1001184482	1	Hose	
6	1670836	1	Cover	

FIGURE 8-6. BOOM RAISE HOSES INSTALLATION (NO RIDE CONTROL)

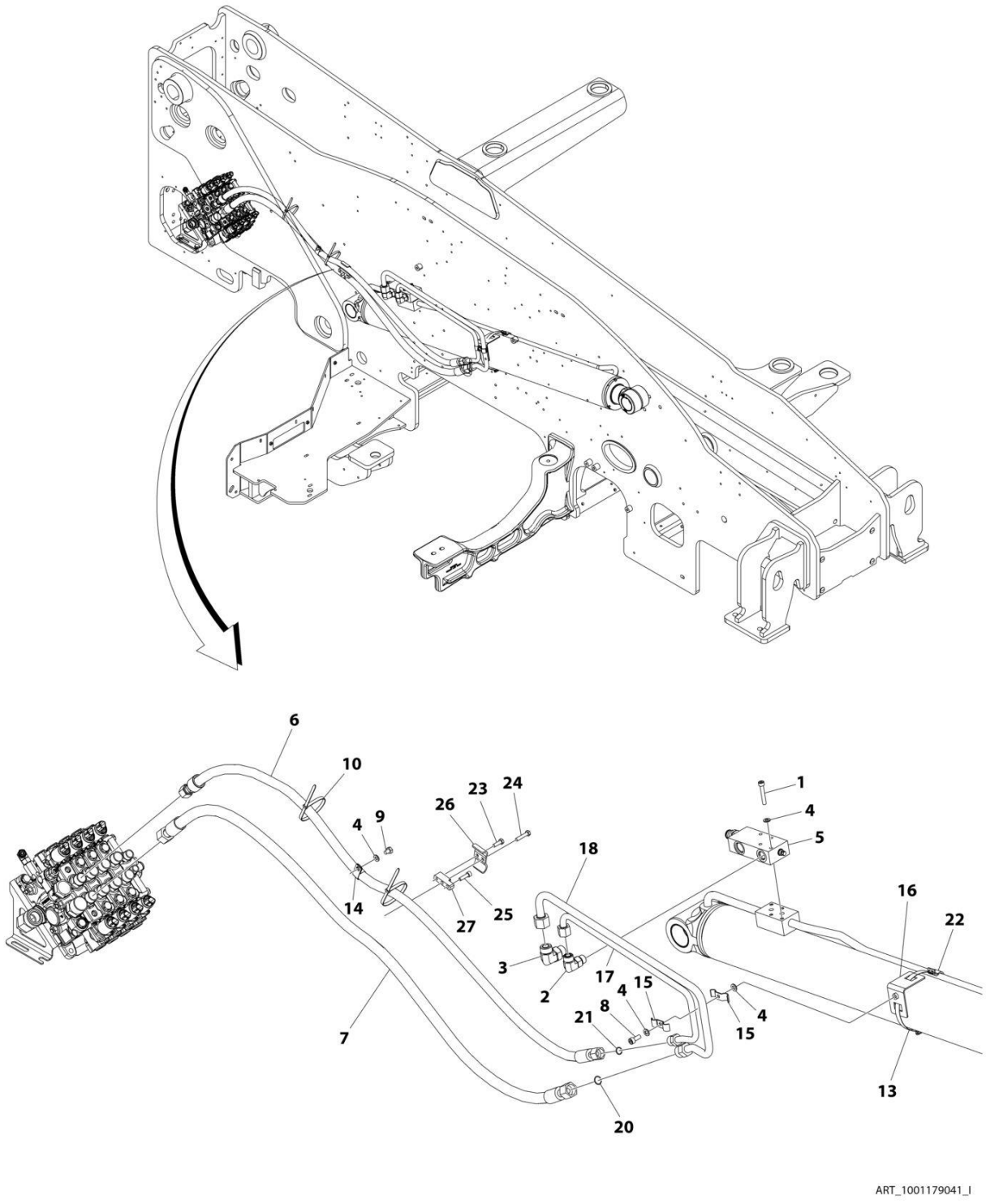


FIGURE 8-6. BOOM RAISE HOSES INSTALLATION (NO RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179041	Ref	BOOM RAISE HOSES INSTALLATION (NO RIDE CONTROL)	I
1	5271814	4	Bolt M8 x 50	
2	2131010	1	Fitting, 90 ORFS	
3	2131212	1	Fitting, 90 ORFS	
4	4811900	7	Washer M8	
5	1001201245	1	Valve, Counterbalance (Sold as Assembly - No Service Parts Available)	
5	70027600	1	Seal Kit - Mounting (Includes Seals Between Valve & Cylinder)	
6	1001229223	1	Hose, ORFS	
7	1001203922	1	Hose, ORFS	
8	4031908	1	Bolt M8 x 20	
9	0760807	1	Bolt M8 x 14	
10	1062255	2	Strap, Tie	
13	8405502	1	Clamp	
14	8406201	1	Clamp	
15	1001198331	2	Clamp, Twin	
16	1001221665	1	Bracket	
17	1001221659	1	Pipe, ORFS	
18	1001221660	1	Pipe, ORFS	
20	1001008863	1	Seal	
21	1001008922	1	Seal	
22	1001101064	AR	Clip	
23	0760812	1	Bolt M8 x 25	
24	0760816	1	Bolt M8 x 40	
25	4031910	1	Bolt M8 x 30	
26	1001271129	1	Bracket	
27	1001270857	1	Mount, Block	

FIGURE 8-7. BOOM RAISE HOSES INSTALLATION (WITH RIDE CONTROL)

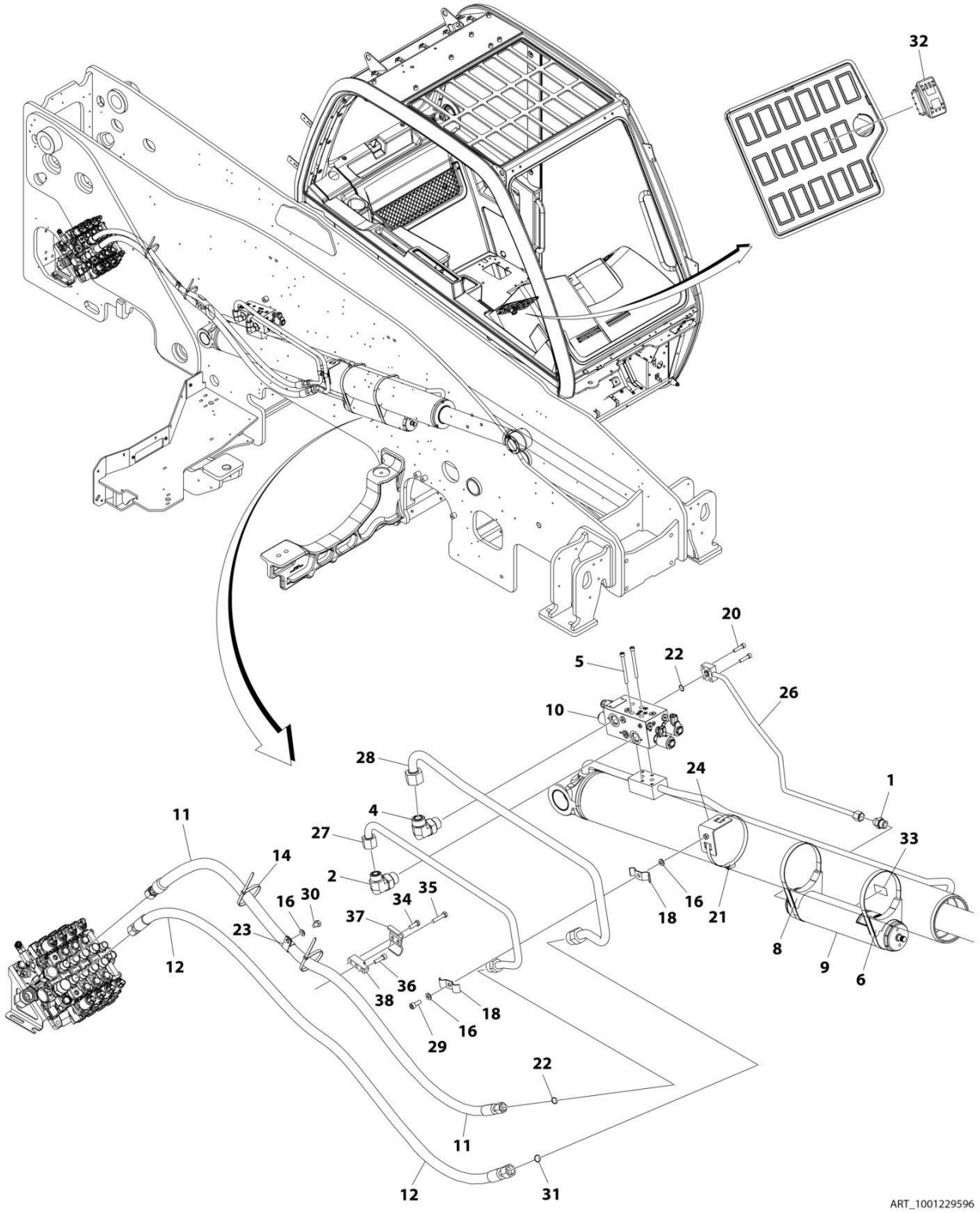


FIGURE 8-7. BOOM RAISE HOSES INSTALLATION (WITH RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229596	Ref	BOOM RAISE HOSES INSTALLATION (RIDE CONTROL)	F
1	2110810	1	Fitting, Straight ORFS	
2	2131012	1	Fitting, 90 ORFS	
4	2131212	1	Fitting, 90 ORFS	
5	5271922	4	Bolt M8 x 90	
6	1001101063	2	Clamp	
8	1001208035	2	Bumper	
9	1001229084	1	Cylinder, Piston Accumulator	
10	1001263039	1	Valve, Ride Control (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
11	1001229223	1	Hose, ORFS	
12	1001203922	1	Hose, ORFS	
14	1062255	2	Strap, Tie	
16	4811900	3	Washer M8	
18	1001198331	2	Clamp, Twin	
20	5271808	4	Screw M8 x 20	
21	8405502	1	Clamp	
22	1001008922	2	Seal	
23	8406201	1	Clamp	
24	1001221665	1	Bracket	
26	1001211452	1	Pipe, ORFS	
27	1001221659	1	Pipe, ORFS	
28	1001229314	1	Pipe	
29	4031908	1	Bolt M8 x 20	
30	0760807	1	Bolt M8 x 14	
31	1001008863	1	Seal	
32	1001159745	1	Switch	
33	1001247708	1	Decal, Stored Energy	
34	0760812	1	Bolt M8 x 25	
35	0760816	1	Bolt M8 x 40	
36	4031910	1	Bolt M8 x 30	
37	1001271129	1	Bracket	
38	1001270857	1	Mount, Block	

FIGURE 8-8. BRAKE LINES INSTALLATION

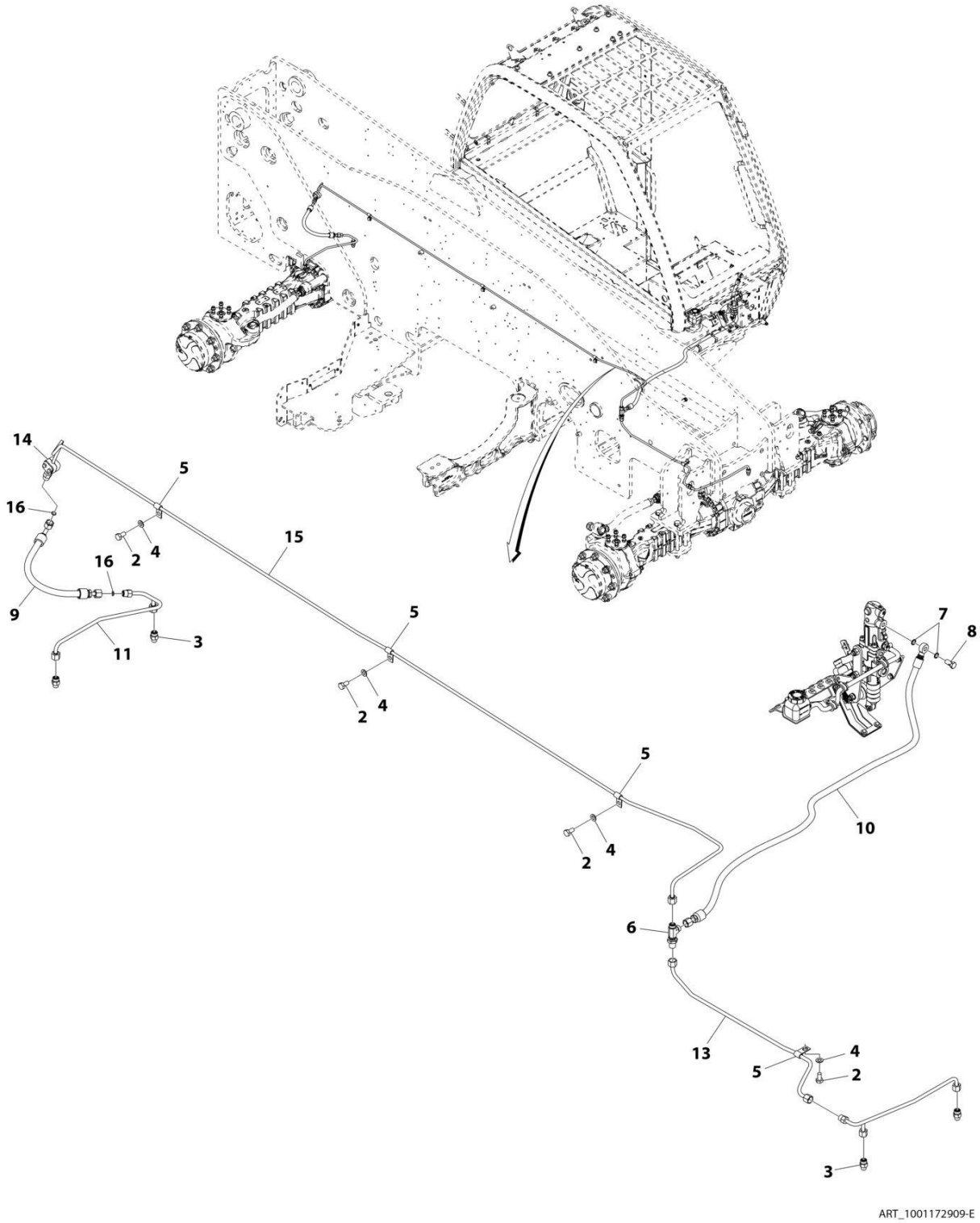


FIGURE 8-8. BRAKE LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172909	Ref	Brake Lines Installation	E
2	0761010	4	Bolt, M10X20	
3	2144605	4	Fitting, Straight ORFS	
4	4812000	4	Washer, M10	
5	1001008773	4	Clip	
6	88662434	1	Fitting, Tee ORFS	
7	1001105639	2	Washer	
8	1001105643	1	Bolt	
9	1001181008	1	Hose, Rear Brake	
10	1001221952	1	Hose, ORFS	
11	1001181016	1	Pipe, ORFS	
13	1001181019	1	Pipe, ORFS	
14	1001181170	1	Clamp	
15	1001221953	1	Pipe, ORFS	
16	1001008804	2	Seal	

FIGURE 8-9. BRAKE INSTALLATION – TRAILER

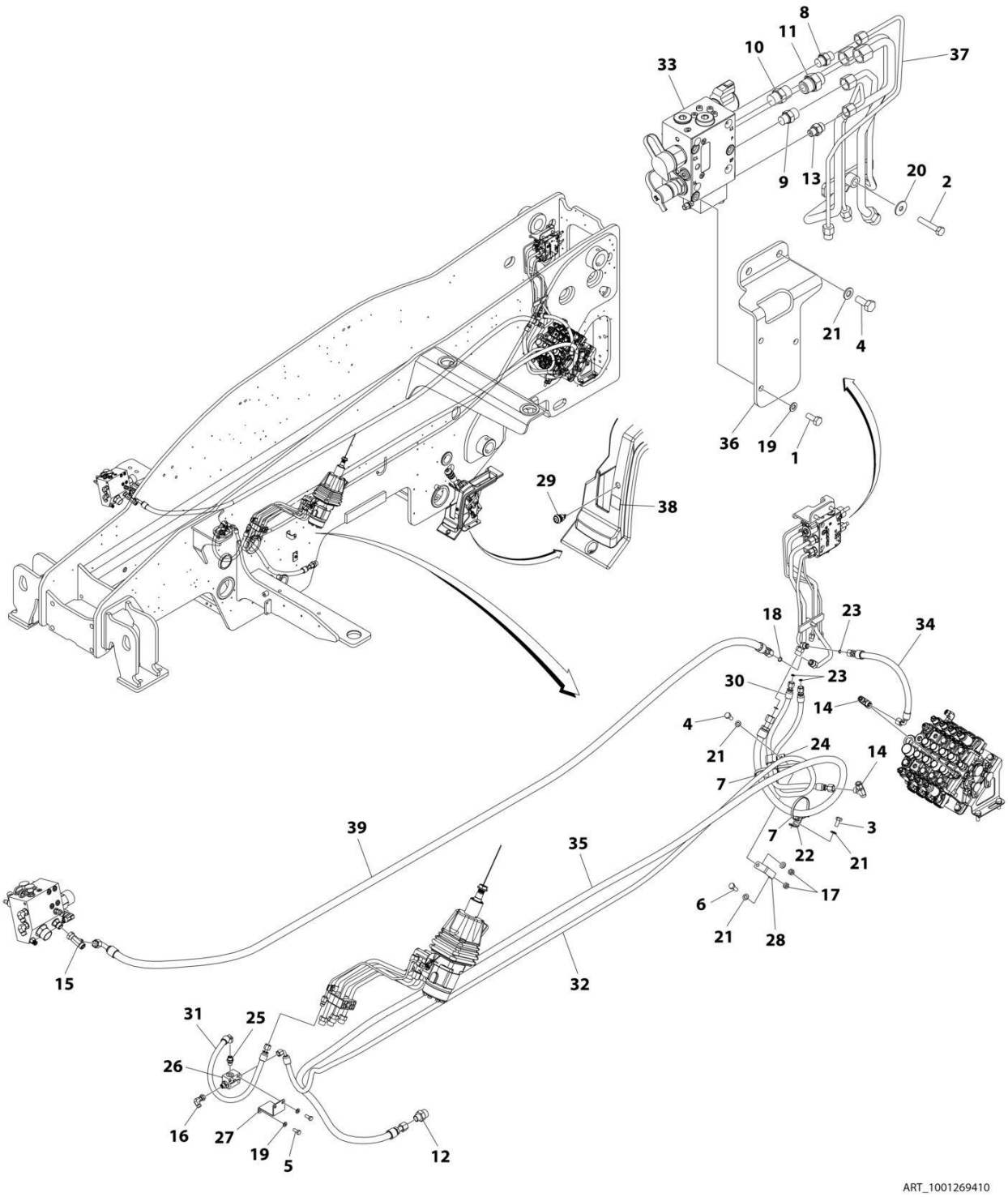


FIGURE 8-9. BRAKE INSTALLATION – TRAILER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269410	Ref	TRAILER BRAKE INSTALLATION	C
1	0700810	3	Bolt M8 x 20	
2	0700817	1	Bolt M8 x 45	
3	0701011	1	Bolt M10 x 22	
4	0701012	3	Bolt M10 x 25	
5	0760810	4	Bolt M8 x 20	
6	0761014	1	Bolt M10 x 30	
7	1062255	2	Strap, Tie	
8	2110406	1	Fitting, Straight ORFS/ORB	
9	2110606	1	Fitting, Straight ORFS/ORB	
10	2110808	1	Fitting, Straight ORFS/ORB	
11	2110810	1	Fitting, Straight ORFS/ORB	
12	2110812	1	Fitting, Straight ORFS/ORB	
13	2144602	1	Fitting, Straight ORFS/ORB	
14	2170706	2	Fitting, Tee ORFS	
15	2170708	1	Fitting, Tee ORFS	
16	2172104	1	Fitting, 90 ORFS	
17	3291001	2	Nut M10 x 1.5, Grade 8	
18	3790013	2	O-Ring	
19	4811900	7	Washer M8	
20	4811902	1	Washer M8	
21	4812000	6	Washer M10	
22	1001003305	1	Clip	
23	1001008586	3	O-Ring	
24	1001008626	1	Clip	
25	1001120501	1	Fitting, Straight ORFS/BSPP	
26	1001151257	1	Valve, Dynamic Select	
27	1001184517	1	Bracket	
28	1001184518	1	Bracket	
29	1001200633	1	Switch, Trailer Brake	
30	1001269720	1	Hose	
31	1001269721	1	Hose	
32	1001269722	1	Hose	
33	1001230194	1	Valve, Trailer Brake (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
34	1001269723	1	Hose	
35	1001269724	1	Hose	
36	1001293727	1	Bracket	
37	1001232651	1	Pipe	
38	1001235451	1	Decal - Trailer Brake	
39	1001204731	1	Hose, ORFS	

FIGURE 8-10. BRAKE ACCUMULATOR LINES INSTALLATION (WITHOUT SAHR)

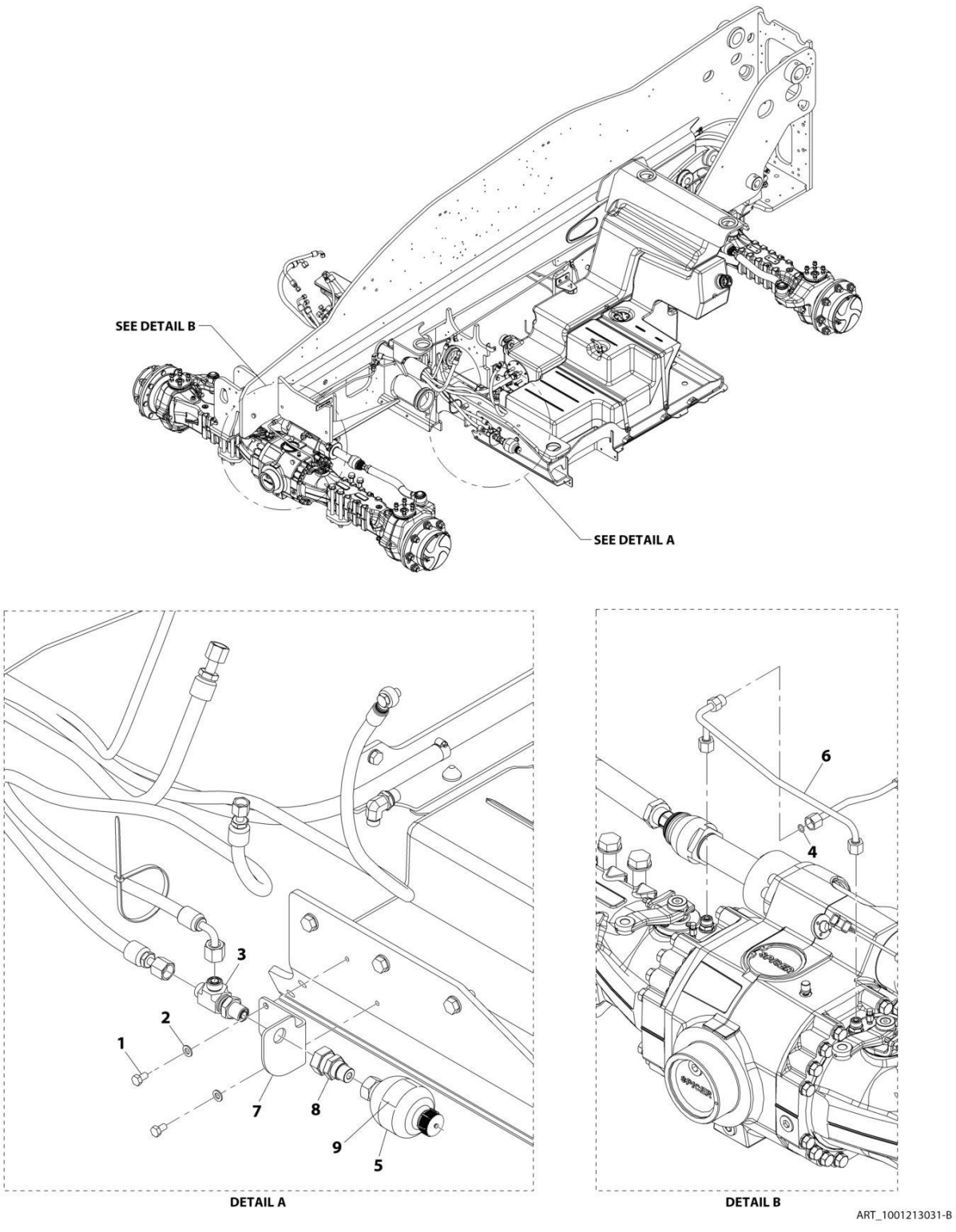


FIGURE 8-10. BRAKE ACCUMULATOR LINES INSTALLATION (WITHOUT SAHR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213031	Ref	Brake Accumulator	C
1	0760807	2	Bolt, M8X14	
2	4811900	2	Washer, M8	
3	8770167	1	Fitting, Tee ORFS	
4	1001008804	1	Seal	
5	1001173418	1	Brake, Damper	
5	1001310831	1	Brake, Damper	
6	1001181017	1	Pipe, ORFS	
7	1001207522	1	Bracket, Accumulator	
8	1001207523	1	Fitting, Straight ORFS	
9	1001237054	1	Decal, Stored Energy	

FIGURE 8-11. COUPLER (HYDRAULIC) LINES INSTALLATION (FRONT BOOM - TWIN)

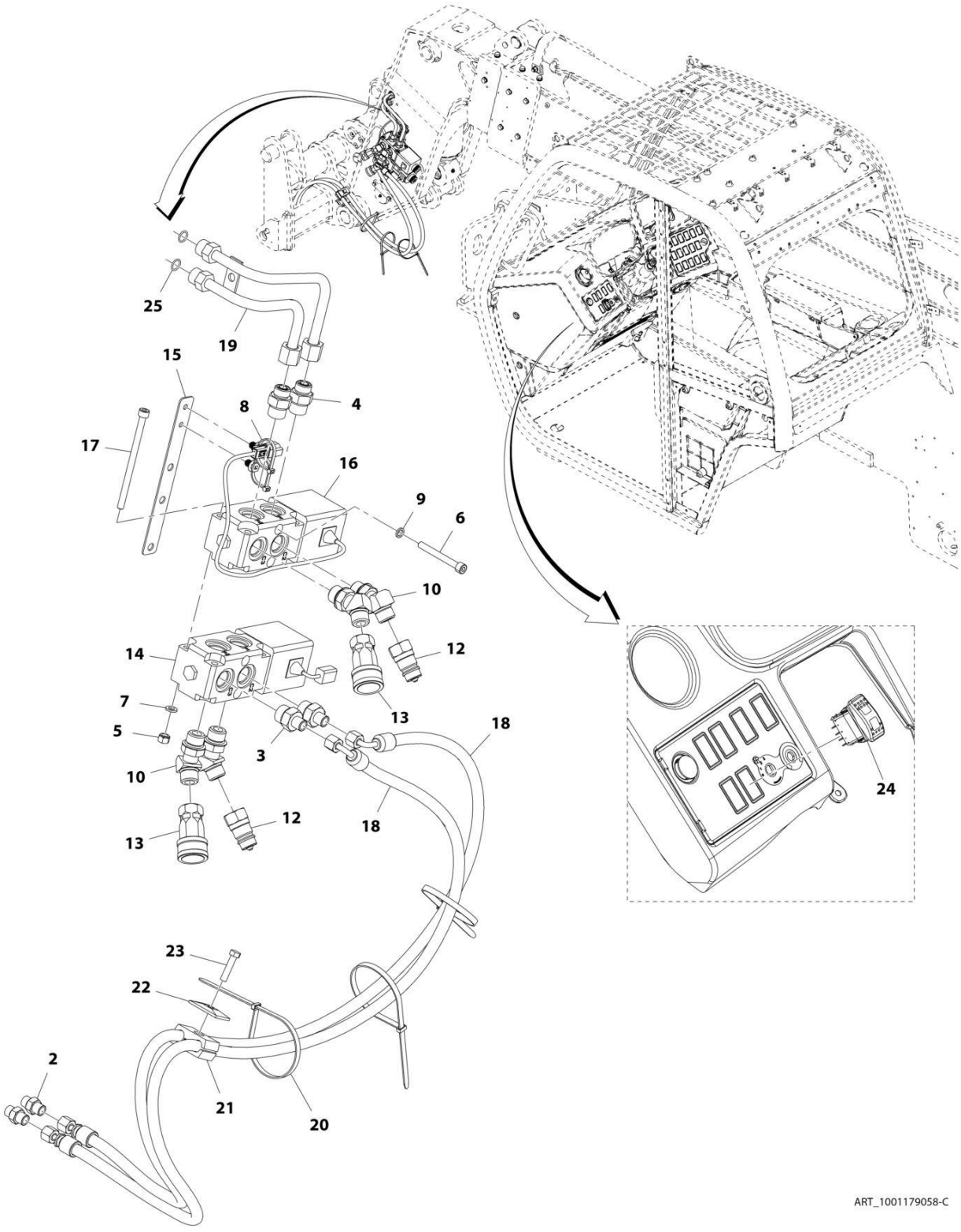


FIGURE 8-11. COUPLER (HYDRAULIC) LINES INSTALLATION (FRONT BOOM - TWIN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179058	Ref	Hydraulic Coupler Lines Installation (Front Boom - Twin)	C
2	2110406	2	Fitting, Straight ORFS	
3	2110410	2	Fitting, Straight ORFS	
4	2110810	2	Fitting, Straight ORFS	
5	3290805	4	Nut, Lock M8X1.25 Grade 8	
6	4031918	2	Bolt, M8X70	
7	4831900	4	Washer, Lock M8	
8	1001146588	2	Strap, Fir Tree Cable Tie	
9	1001005262	2	Washer	
10	1001005904	4	Elbow	
12	1001101041	2	Coupling, Male Quick Disconnect	
13	1001101042	2	Coupling, Female Quick Disconnect	
14	1001104477	1	Valve, Divertor (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
15	1001108918	1	Plate	
16	1001110023	1	Valve, Divertor (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
17	1001110115	4	Bolt, M8X100	
18	1001200218	2	Hose, ORFS	
19	1001181161	1	Tube	
20	1062255	3	Strap, Tie	
21	8769124	1	Clamp	
22	77133140	1	Plate, Cover	
23	77133177	1	Bolt, M5/16X1-3/8	
24	1001080375	1	Switch, Quick Switch	
25	1001008805	2	Seal	

FIGURE 8-12. COUPLER (HYDRAULIC) LINES INSTALLATION (FRONT BOOM - SINGLE)

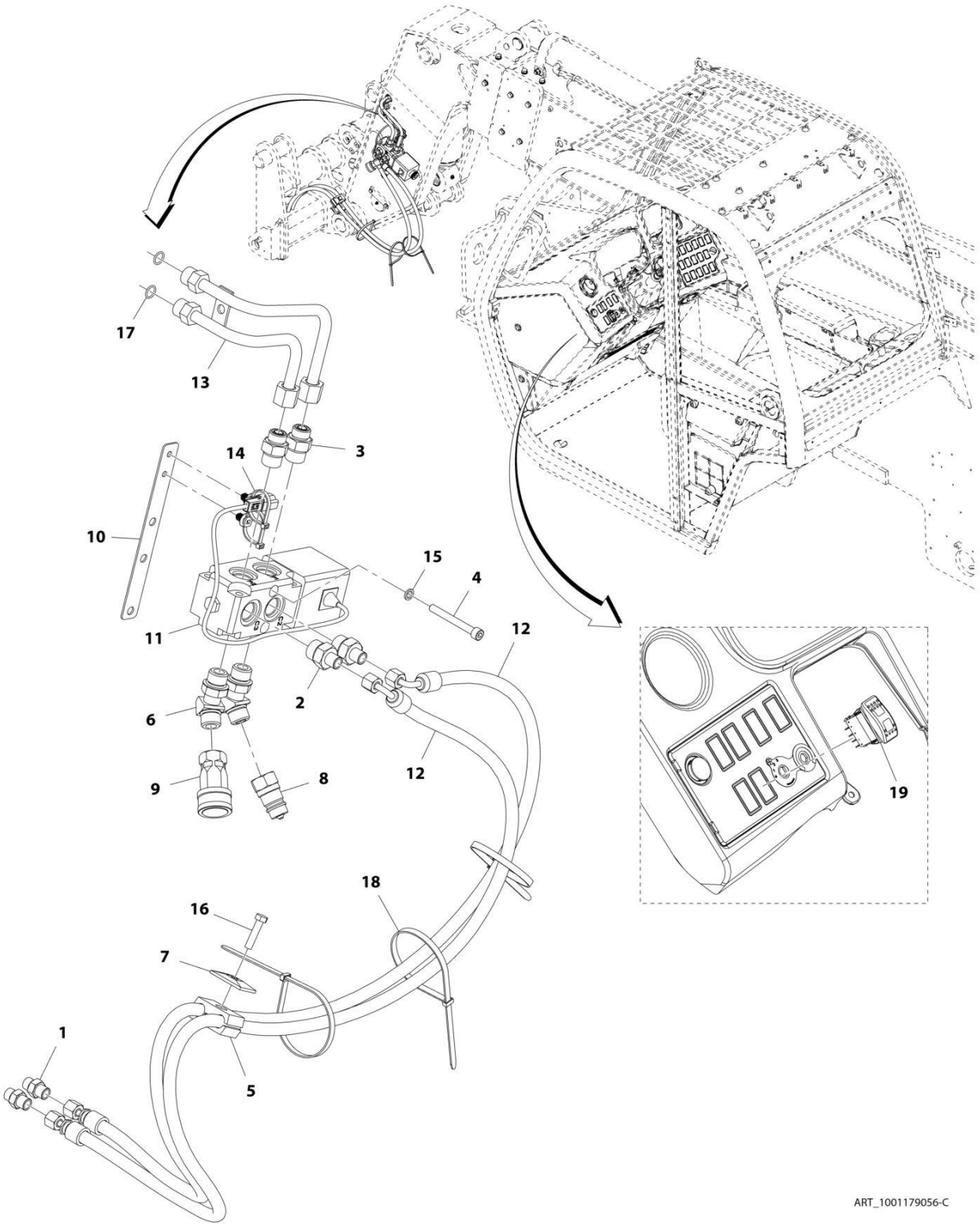


FIGURE 8-12. COUPLER (HYDRAULIC) LINES INSTALLATION (FRONT BOOM - SINGLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179056	Ref	Hydraulic Coupler Lines Installation (Front Boom - Single)	C
1	2110406	2	Fitting, Straight ORFS	
2	2110410	2	Fitting, Straight ORFS	
3	2110810	2	Fitting, Straight ORFS	
4	4031918	2	Bolt, M8X70	
5	8769124	1	Clamp	
6	1001005904	2	Elbow	
7	77133140	1	Plate, Cover	
8	1001101041	1	Coupling, Male Quick Disconnect	
9	1001101042	1	Coupling, Female Quick Disconnect	
10	1001108918	1	Plate	
11	1001110023	1	Valve, Divertor (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
12	1001200218	2	Hose, ORFS	
13	1001181161	1	Tube	
14	1001146588	2	Strap, Fir Tree Cable Tie	
15	1001005262	2	Washer	
16	77133177	1	Bolt, M5/16X1-3/8	
17	1001008805	2	Seal	
18	1062255	3	Strap, Tie	
19	1001080375	1	Switch, Quick Switch	

FIGURE 8-13. COUPLER (MANUAL) LINES INSTALLATION (FRONT BOOM - TWIN)

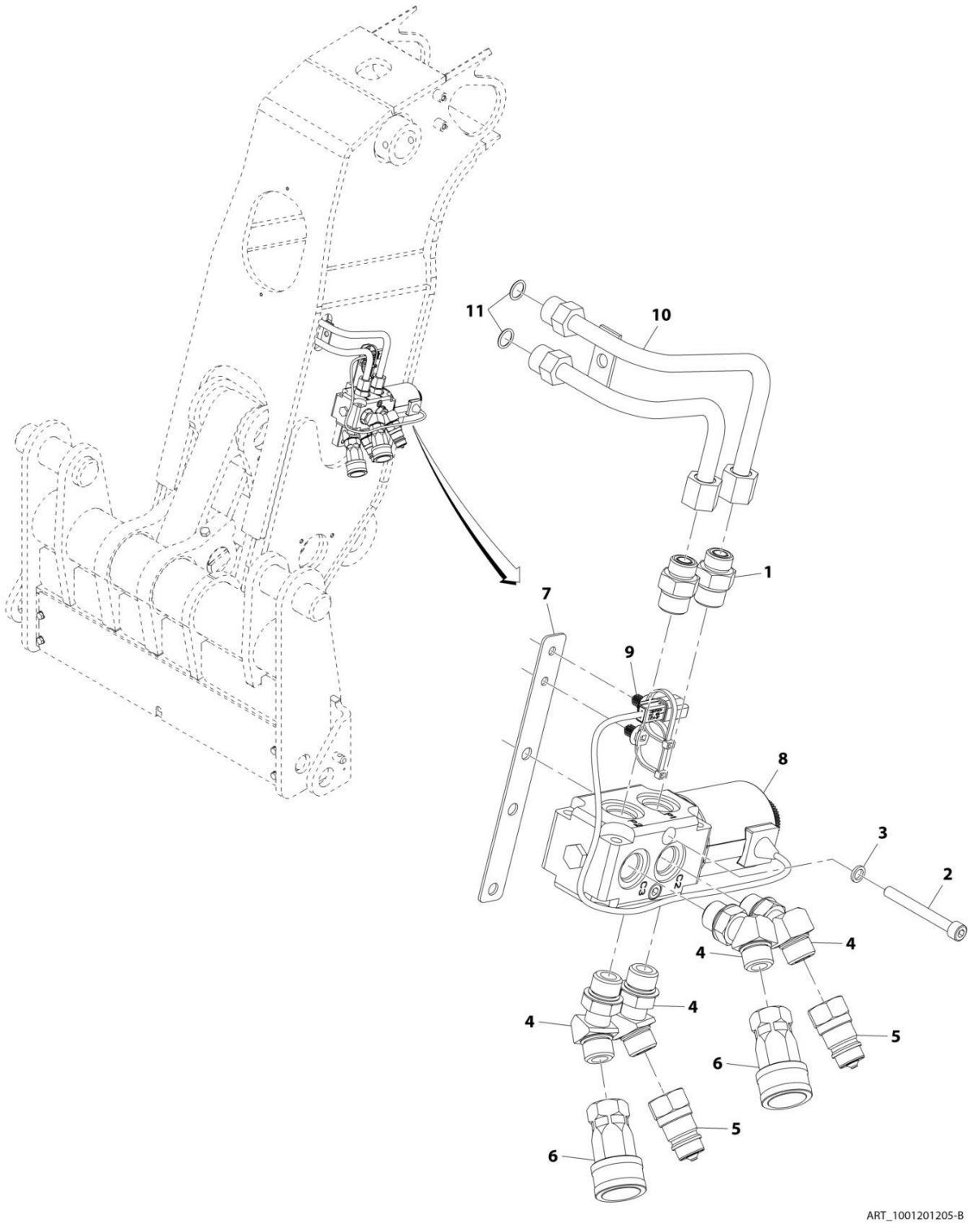


FIGURE 8-13. COUPLER (MANUAL) LINES INSTALLATION (FRONT BOOM - TWIN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201205	Ref	Manual Coupler Lines Installation (Front Boom - Twin)	B
1	2110810	2	Fitting, Straight ORFS	
2	4031918	2	Bolt, M8X70	
3	1001005262	2	Washer	
4	1001005904	4	Fitting, 45	
5	1001101041	2	Adapter, Male Quick Disconnect	
6	1001101042	2	Adapter, Female Quick Disconnect	
7	1001108918	1	Plate	
8	1001110023	1	Valve, Divertor (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
9	1001146588	2	Strap, Cable	
10	1001181161	1	Tube	
11	1001008805	2	Seal	

FIGURE 8-14. COUPLER (MANUAL) LINES INSTALLATION (FRONT BOOM - SINGLE)

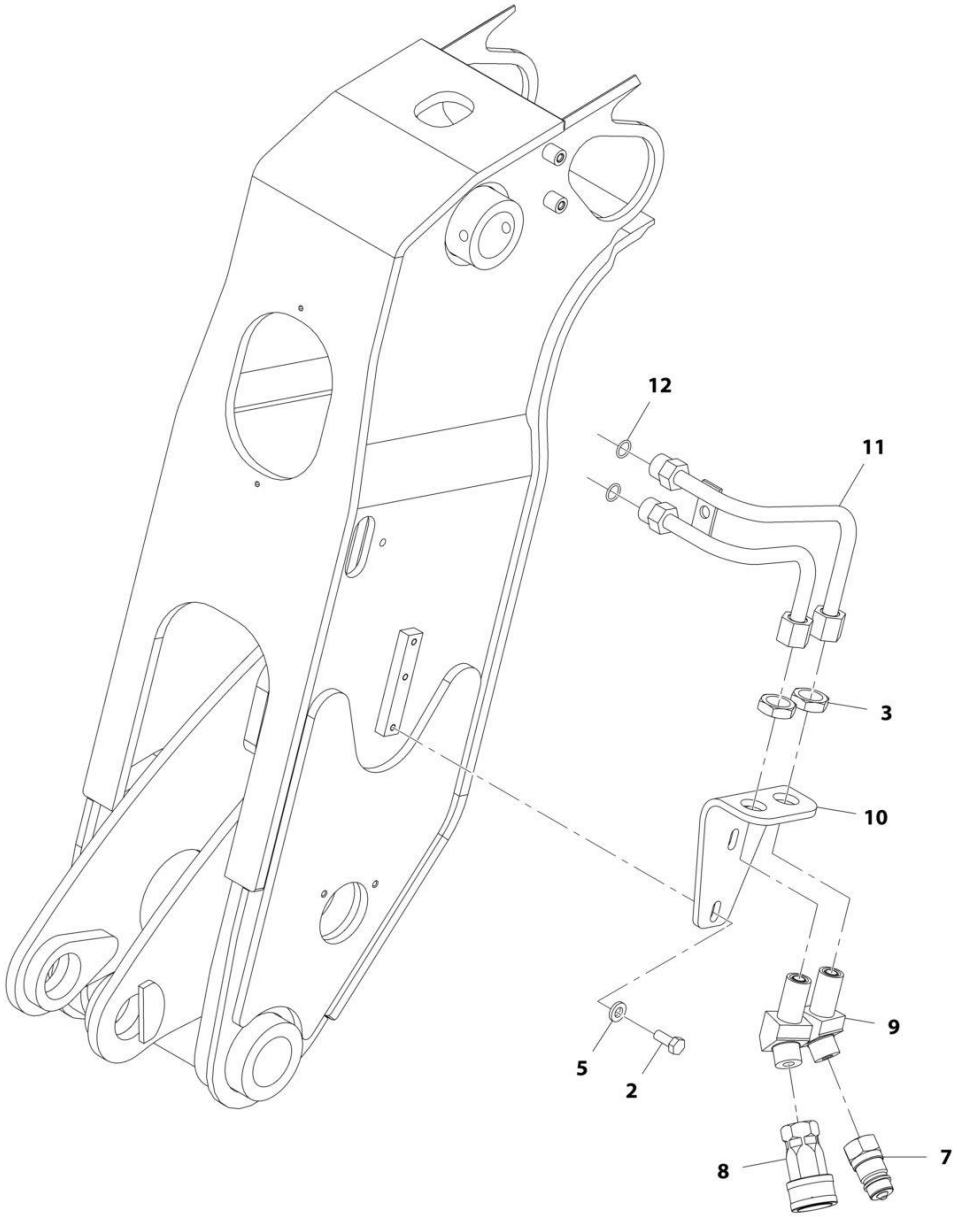


FIGURE 8-14. COUPLER (MANUAL) LINES INSTALLATION (FRONT BOOM - SINGLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179054	Ref	Manual Coupler Lines Installation (Front Boom - Single)	C
2	0760810	2	Bolt, M8X20	
3	2172208	2	Nut	
5	5240800	2	Washer, M8	
7	1001101041	1	Adapter, Male Quick Disconnect	
8	1001101042	1	Adapter, Female Quick Disconnect	
9	1001103640	2	Adapter, 45 ORFS	
10	1001202177	1	Plate	
11	1001181161	1	Tube	
12	1001008805	2	Seal	

FIGURE 8-15. LIFT CYLINDER INSTALLATION

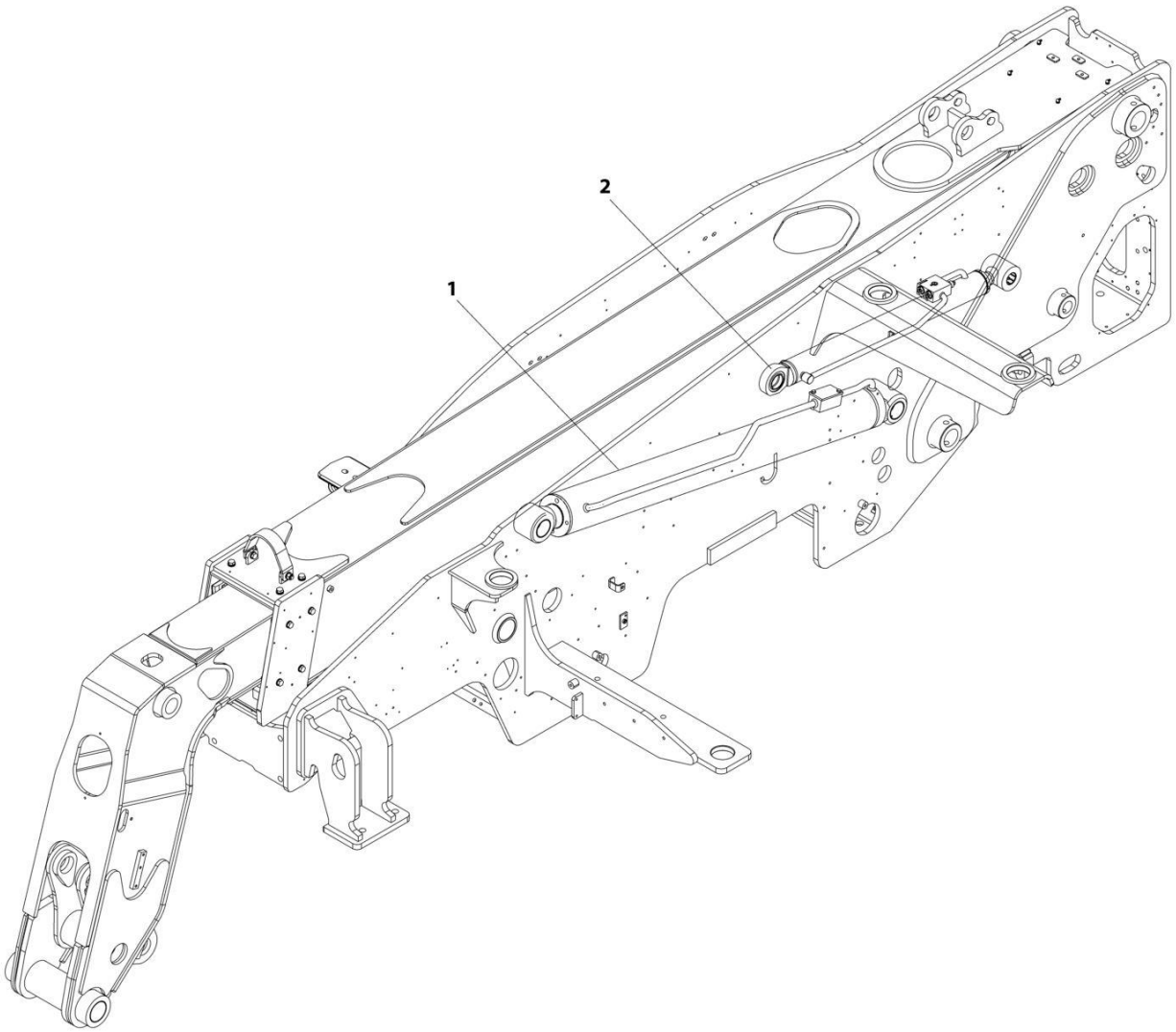


FIGURE 8-15. LIFT CYLINDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277385	Ref	LIFT CYLINDER INSTALLATION	A
1	1001267963	1	Cylinder, Lift (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
2	1001274914	1	Compensation Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 8-16. MAIN CONTROL VALVE INSTALLATION

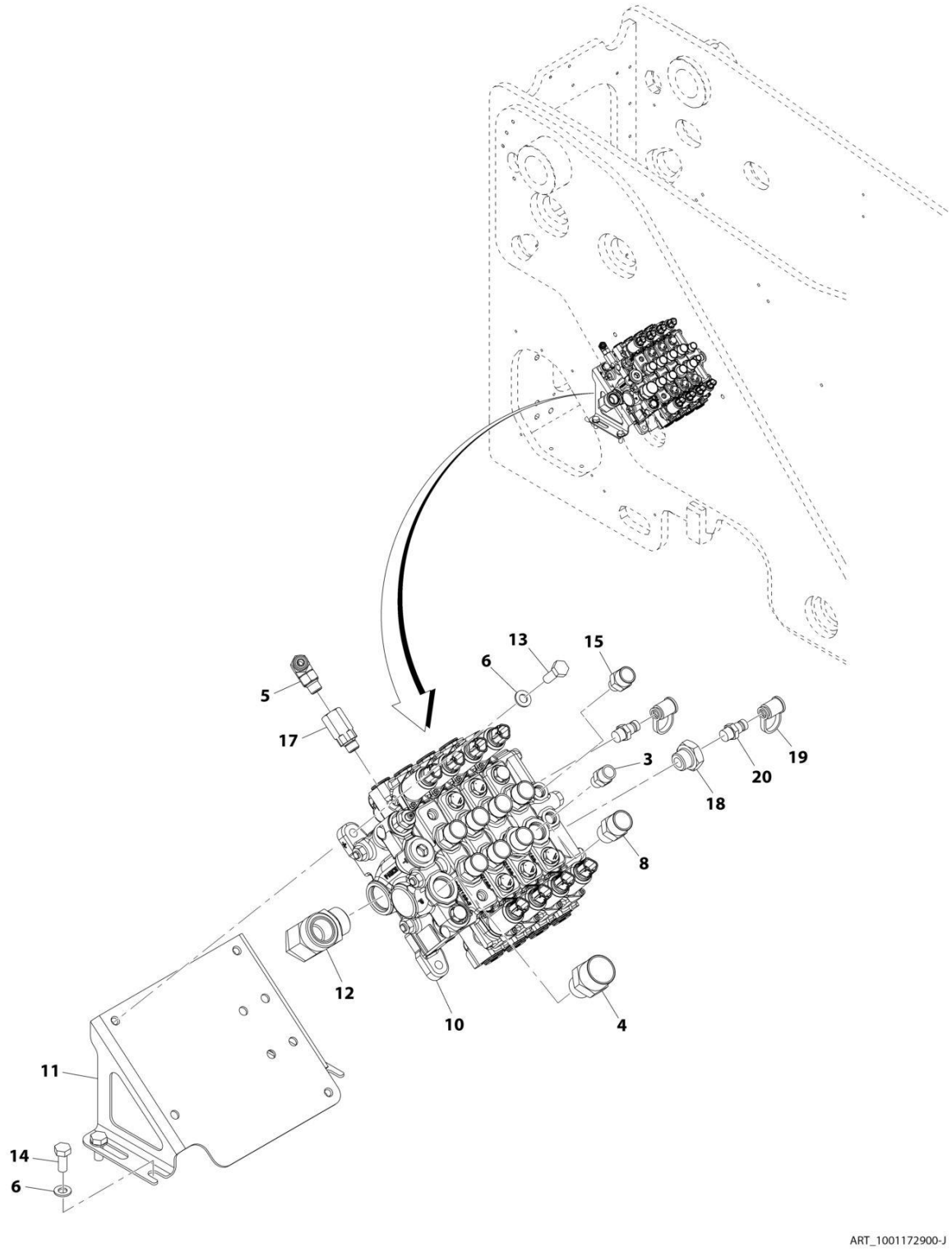
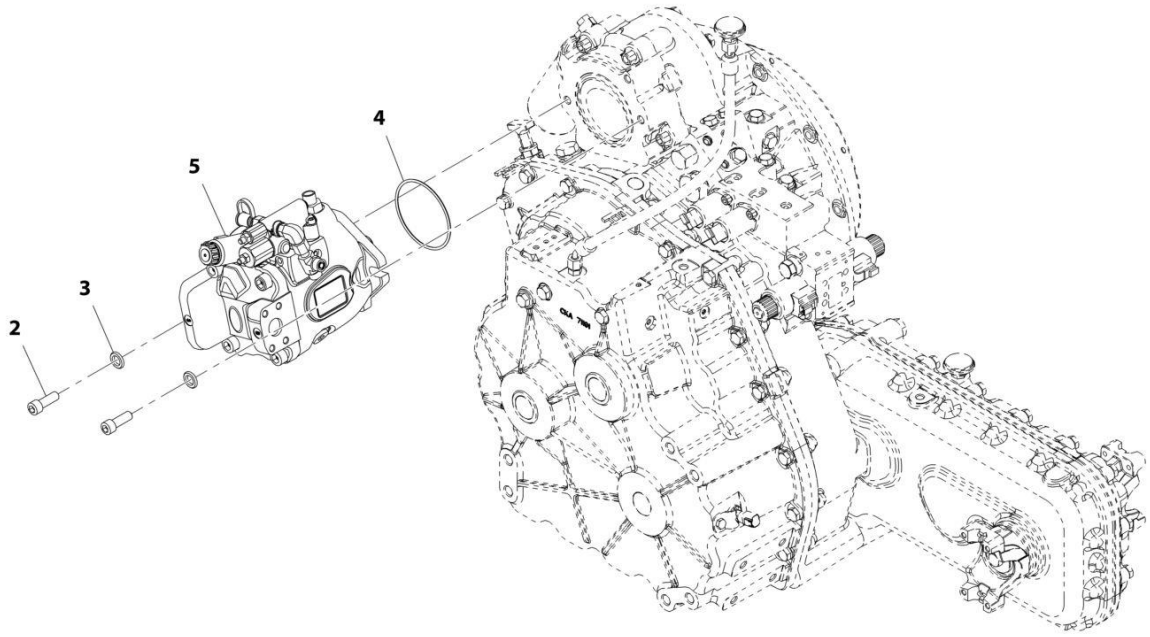


FIGURE 8-16. MAIN CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172900	Ref	Main Control Valve Installation	J
3	2110606	1	Fitting, Straight ORFS	
4	2111612	1	Fitting, Straight ORFS	
5	2130606	1	Fitting, 90 ORFS	
6	4812000	7	Washer, M10	
8	2111010	8	Fitting, Straight ORFS	
10	1001241883	1	Valve, Main Control (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
11	1001182231	1	Bracket	
12	2132016	1	Fitting, 90 ORFS	
13	0701014	3	Bolt, M10X30	
14	0701012	4	Bolt, M10X25	
15	2110806	1	Fitting, Straight ORFS	
17	1001187355	1	Valve, Check	
18	2220221	1	Fitting, Reducer	
19	1001008761	2	Cap	
20	1001003590	2	Fitting, Straight	

FIGURE 8-17. MAIN HYDRAULIC PUMP INSTALLATION



ART_1001177863-B

FIGURE 8-17. MAIN HYDRAULIC PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177863	Ref	Main Hydraulic Pump Installation	C
2	0761215	1	Bolt M12X35	
3	4740532	2	Washer M12	
4	1001008450	1	O-Ring	
5	1001183983	Ref	Implement Pump Installation (See Separate Breakdown in this Section)	

FIGURE 8-18. IMPLEMENT PUMP INSTALLATION

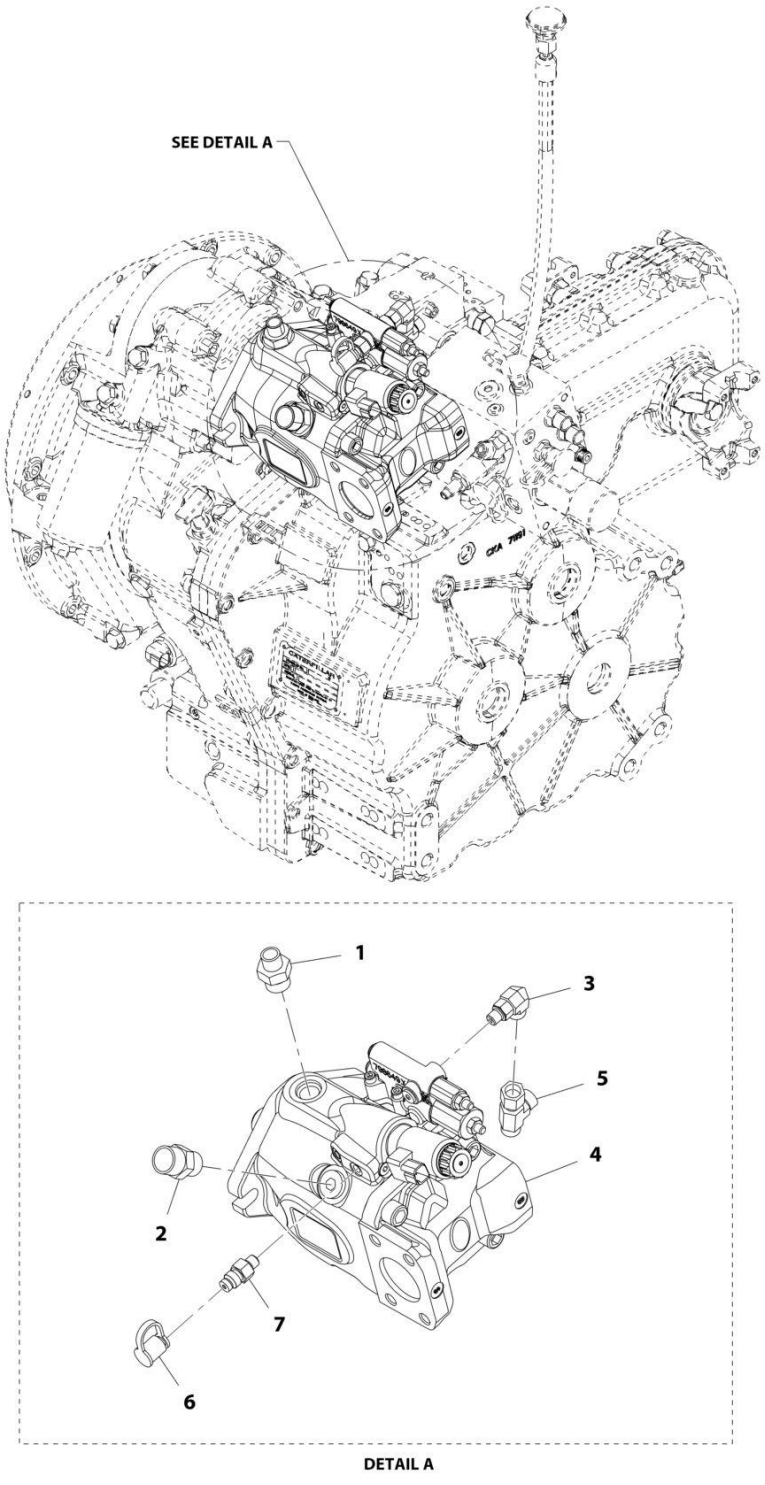


FIGURE 8-18. IMPLEMENT PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183983	Ref	Implement Pump Installation	B
1	2110610	1	Fitting, Straight ORFS	
2	2111010	1	Fitting, Straight ORFS	
3	2130604	1	Fitting, 90 ORFS	
4	1001200815	1	Pump, Implement (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
5	2170706	1	Fitting, Tee ORFS	
6	8430032	1	Plug	
7	8430033	1	Adapter	

FIGURE 8-19. PRIORITY LINES INSTALLATION

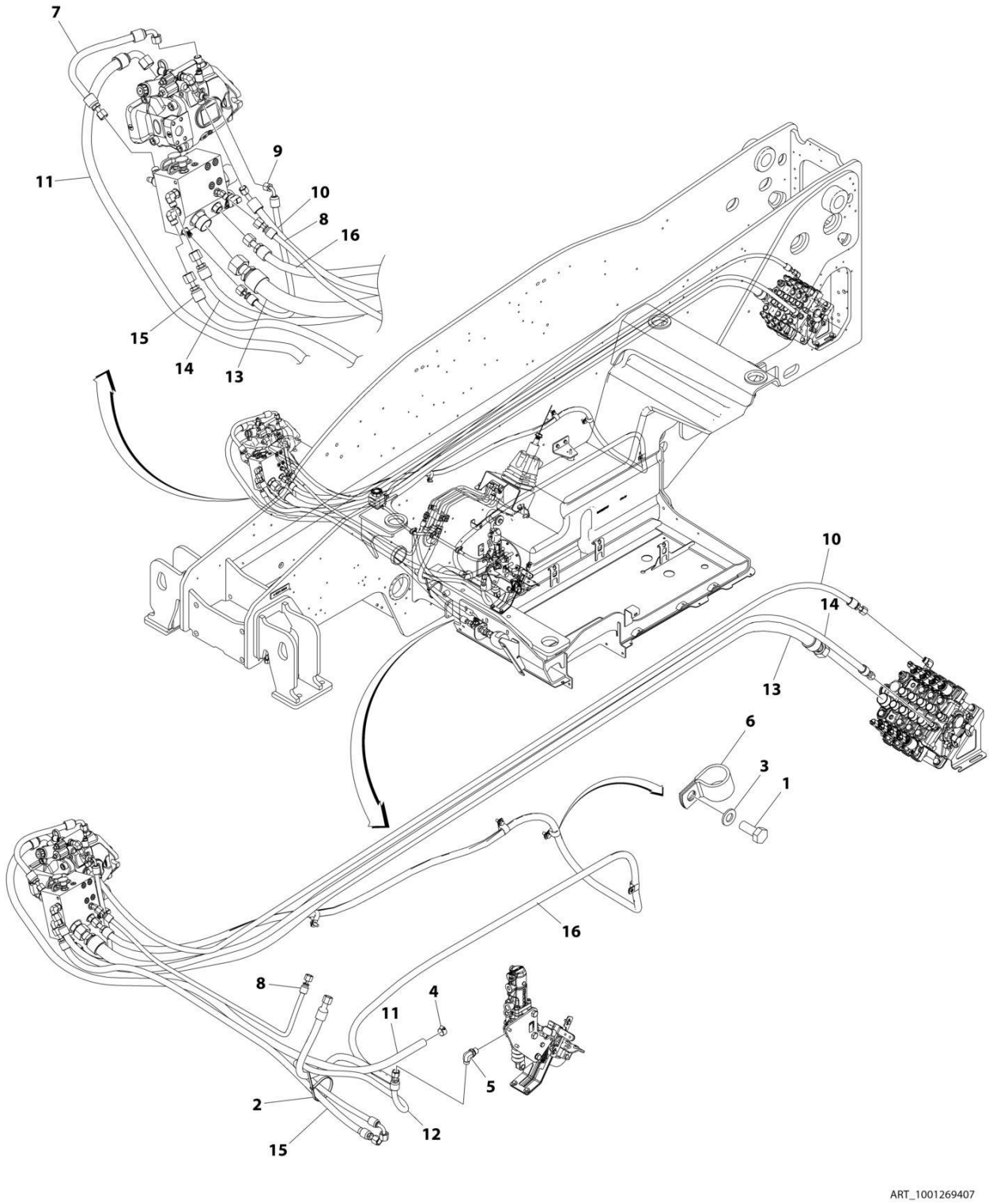


FIGURE 8-19. PRIORITY LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269407	Ref	PRIORITY LINES INSTALLATION	B
1	0760810	3	Bolt M8 x 20	
2	1062255	1	Tie-strap	
3	4811900	3	Washer M8	
4	8405006	1	Clamp	
5	80333151	1	Fitting, 90 ORFS	
6	8406202	4	Clip	
7	1001180850	1	Hose	
8	1001180855	1	Hose	
9	1001221027	1	Hose, ORFS	
10	1001196002	1	Hose, ORFS	
11	1001196723	1	Hose, ORFS	
12	1001207525	1	Hose, ORFS	
13	1001221020	1	Hose, ORFS	
14	1001261091	1	Hose, ORFS	
15	1001261092	1	Hose, ORFS	
16	1001269411	1	Hose	

FIGURE 8-20. PRIORITY VALVE INSTALLATION

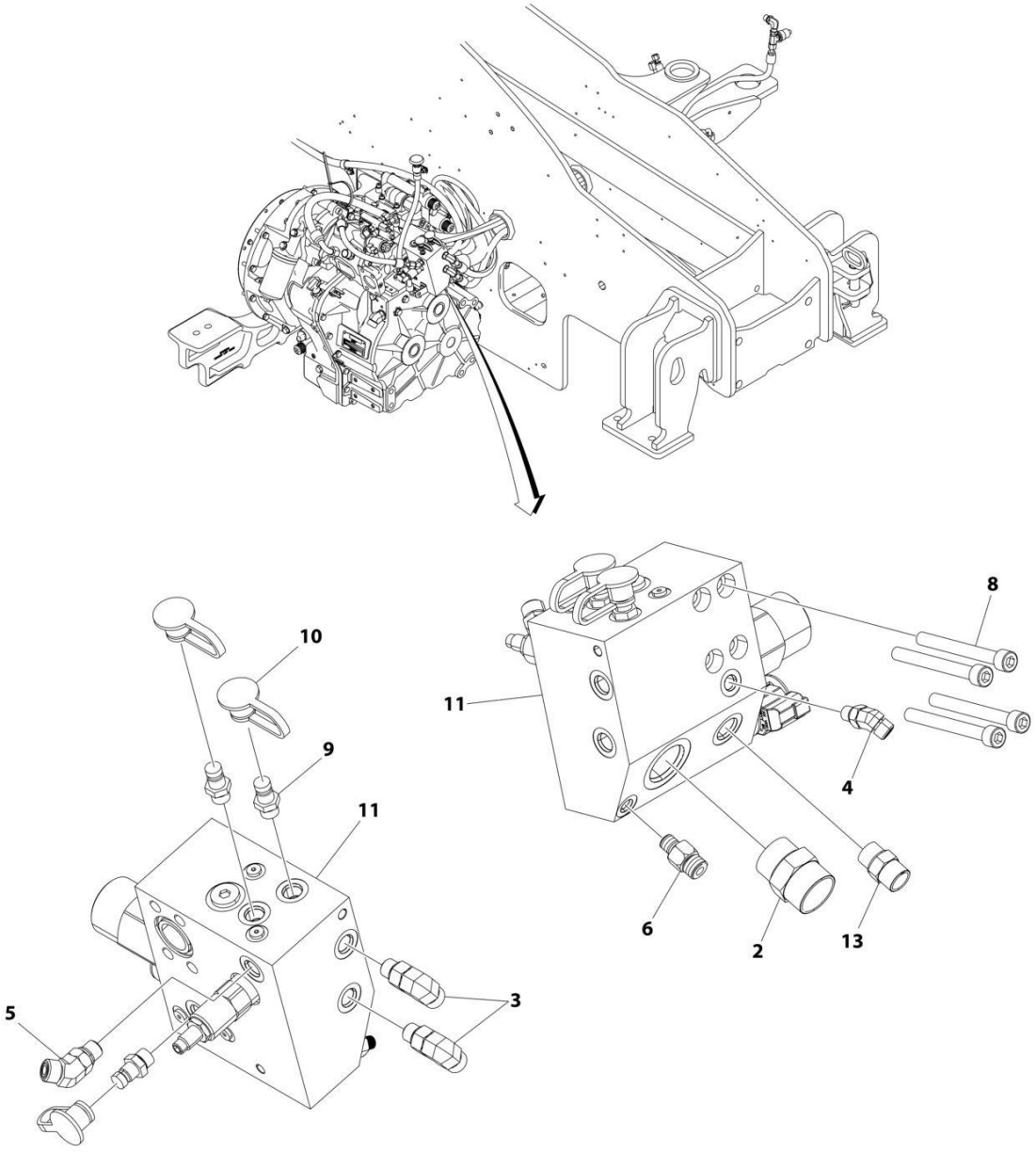
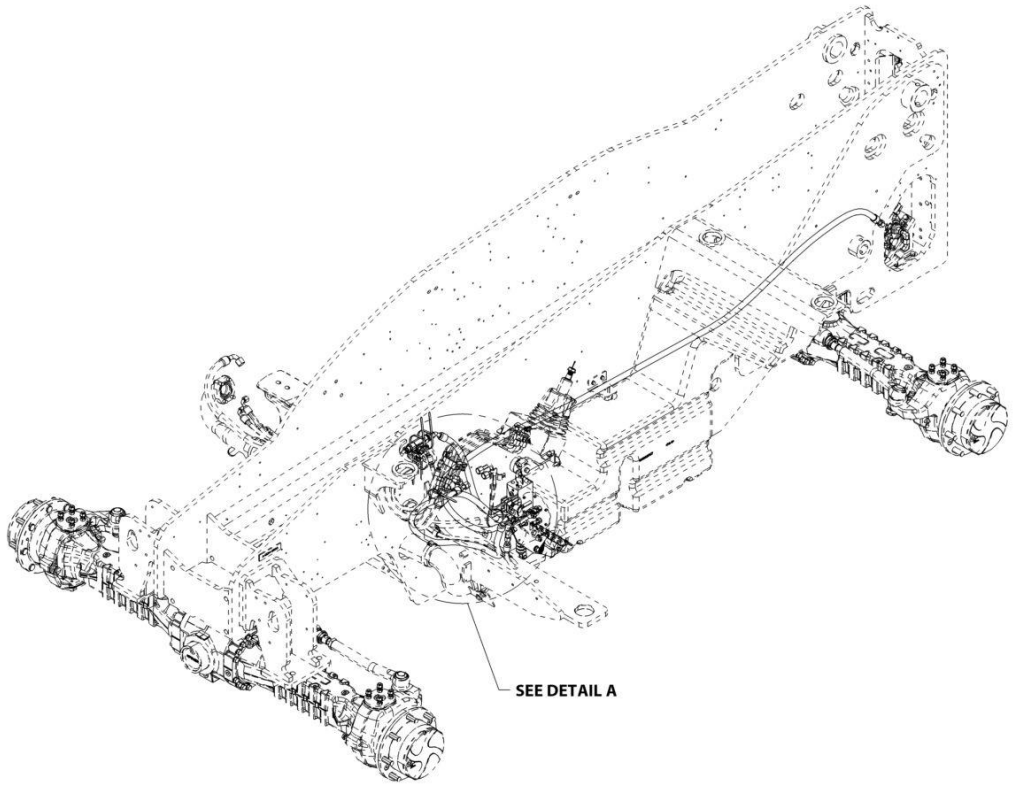
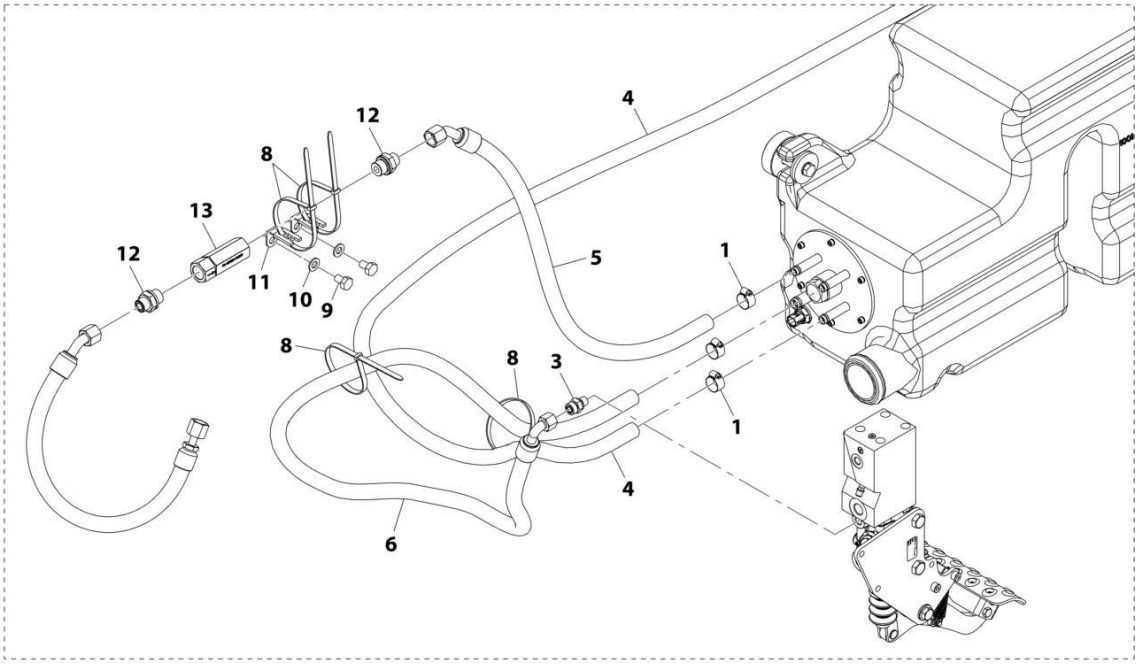


FIGURE 8-20. PRIORITY VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269021	Ref	PRIORITY VALVE INSTALLATION	B
2	2111616	1	Fitting, Straight ORFS	
3	2130606	2	Fitting, 90 ORFS	
4	2150404	1	Fitting, 45 ORFS	
5	2150606	1	Fitting, 45 ORFS	
6	4641237	1	Valve, Check	
8	5272022	4	Screw M10 x 90	
9	1001003590	3	Fitting, Straight	
10	1001008761	3	Cap	
11	1001220639	1	Manifold, Priority Flow (See Separate Breakdown in Hydraulic Components Section)	
13	1001265815	1	Valve, Moms Check	

FIGURE 8-21. RETURN LINES INSTALLATION





DETAIL A

ART_1001185351-D

FIGURE 8-21. RETURN LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185351	Ref	Return Lines Installation	D
1	8410009	3	Clamp, Gear	
3	80233218	1	Adapter, Straight ORFS	
4	1001196787	NLA	Hose, ORFS (no longer available, use 1001224143 for replacement)	
4	1001224143	1	Hose, ORFS	
5	1001201943	NLA	Hose, ORFS (no longer available, use 1001224144 for replacement)	
5	1001224144	1	Hose, ORFS	
6	1001196661	1	Hose, ORFS	
8	1062255	4	Strap, Tie	
9	0761008	2	Bolt, M10X16	
10	4812000	2	Washer, M10	
11	1001003305	2	Clip	
12	1001121127	2	Adapter, Straight ORFS	
13	1001224447	NLA	Check Valve (no longer available, use 1001227974 for replacement)	
13	1001227974	1	Check Valve	

FIGURE 8-22. STEERING LINES INSTALLATION

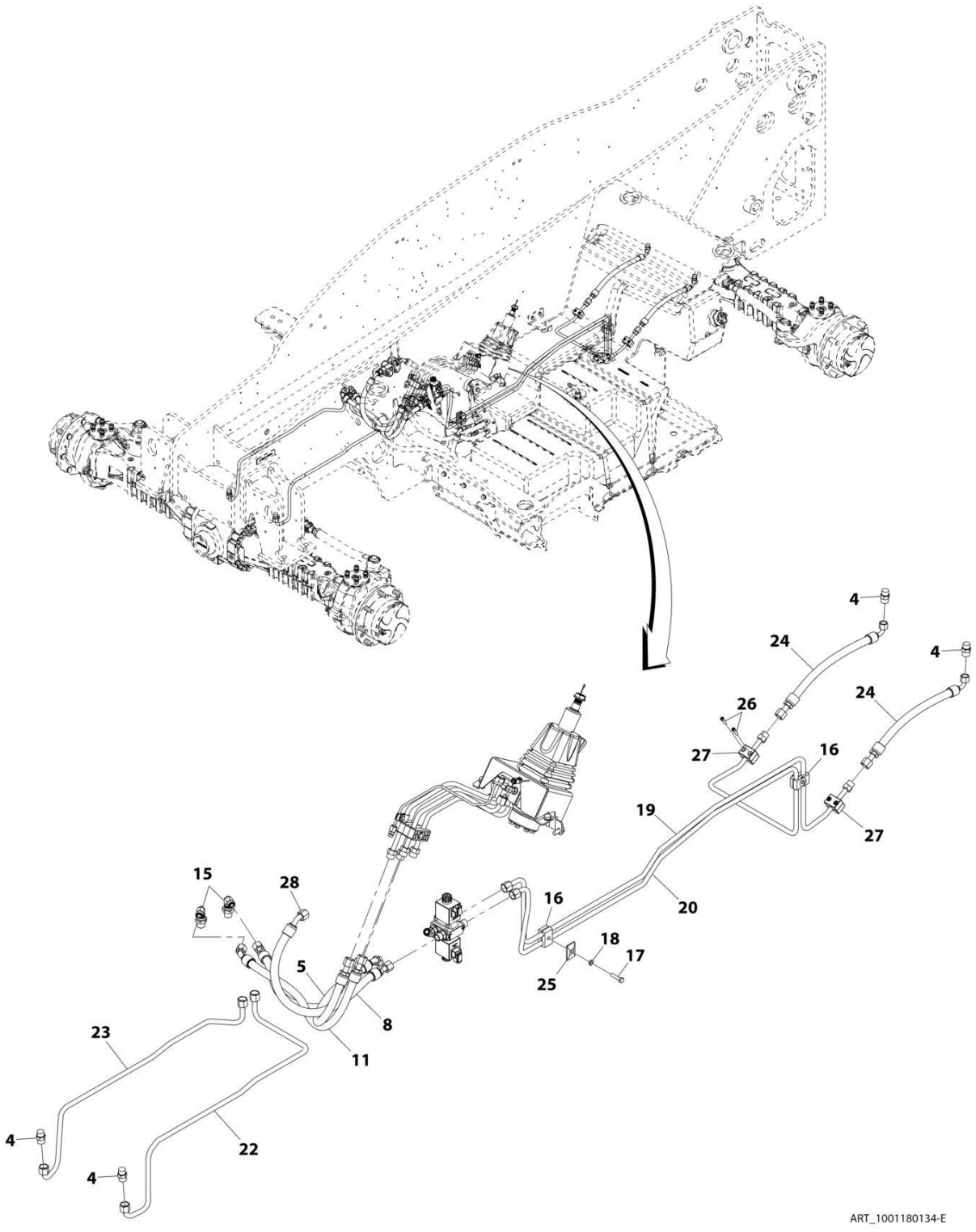
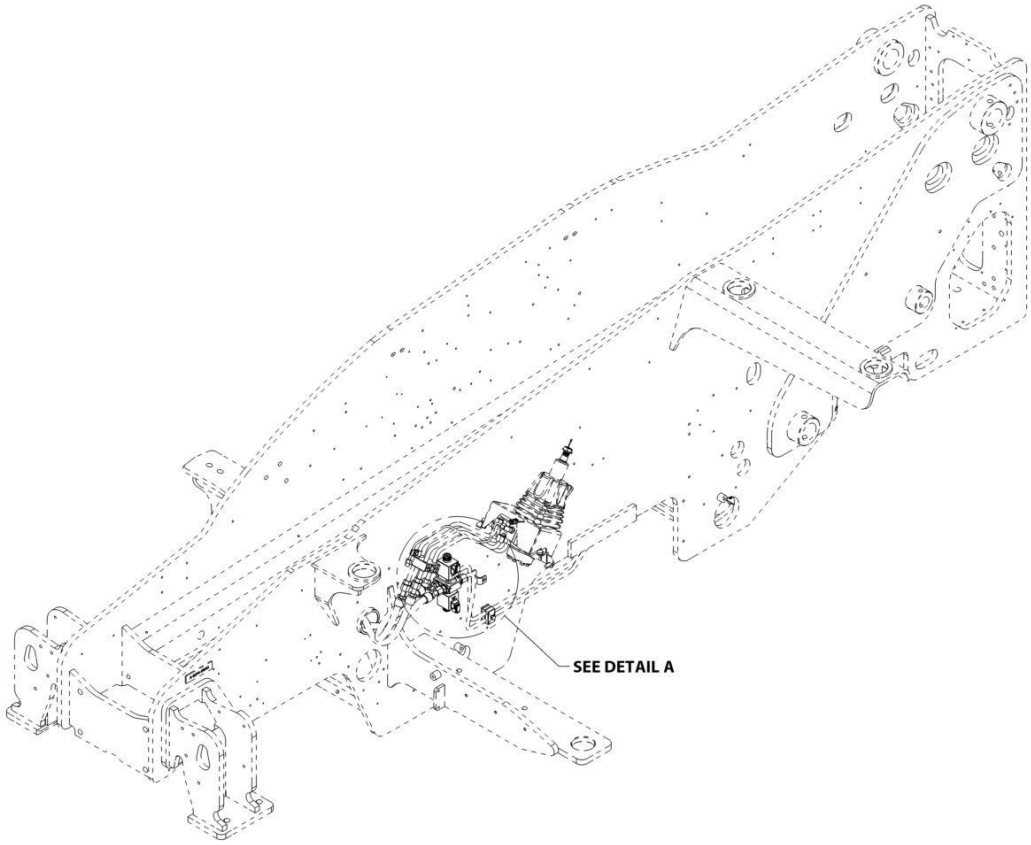
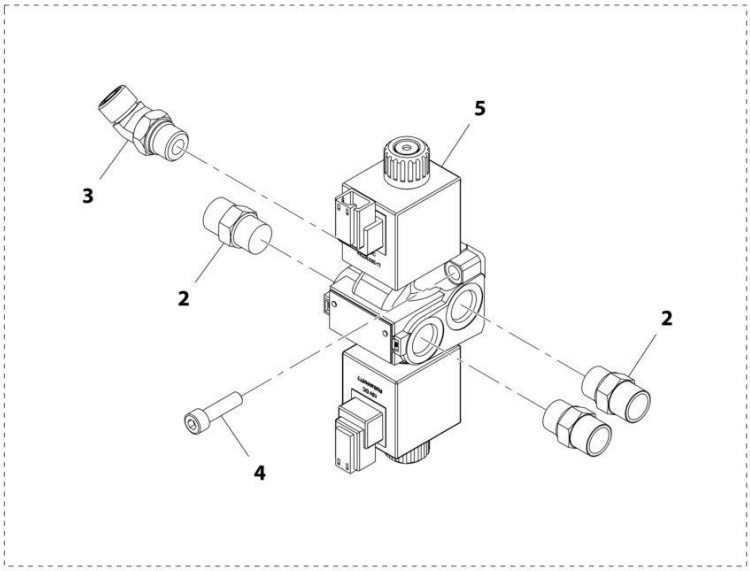


FIGURE 8-22. STEERING LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180134	Ref	Steering Lines Installation	E
4	2110808	4	Fitting, Straight ORFS	
5	1001180810	1	Hose, Steering	
8	1001180809	1	Hose, Steering	
11	1001180811	1	Hose, Steering	
15	2171208	2	Adapter, ORFS	
16	77133168	2	Clamp	
17	0700815	2	Bolt, M8X35	
18	4811900	2	Washer, M8	
19	1001195741	1	Pipe, ORFS	
20	1001195742	1	Pipe, ORFS	
22	1001193515	1	Pipe, ORFS	
23	1001193514	NLA	Pipe, ORFS (no longer available, use 1001225423 for replacement)	
23	1001225423	1	Pipe, ORFS	
24	1001193513	2	Hose, ORFS	
25	77133140	2	Plate, Cover	
26	4031709	4	Bolt, M6X25	
27	1001104934	2	Clamp	
28	1001224476	1	Hose Assy, ORFS	

FIGURE 8-23. STEER SELECT VALVE INSTALLATION





DETAIL A

ART_1001172894-B

FIGURE 8-23. STEER SELECT VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172894	Ref	Steer Select Valve Installation	B
2	2110808	3	Fitting, Straight ORFS	
3	2150808	1	Fitting, 45 ORFS	
4	4031910	2	Screw, M8X30	
5	1001153748	1	Valve, Steering Select (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 8-24. SUCTION LINES INSTALLATION

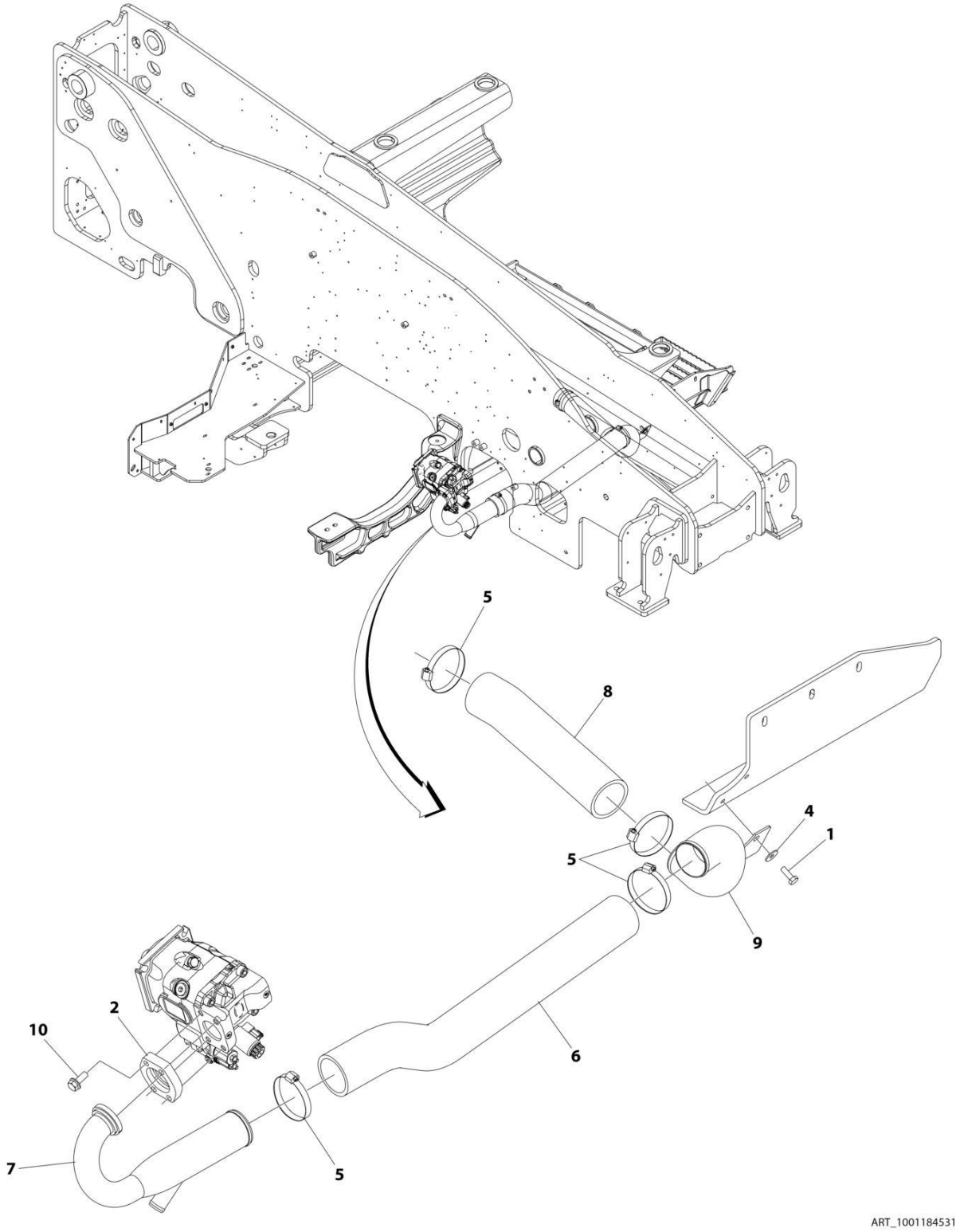
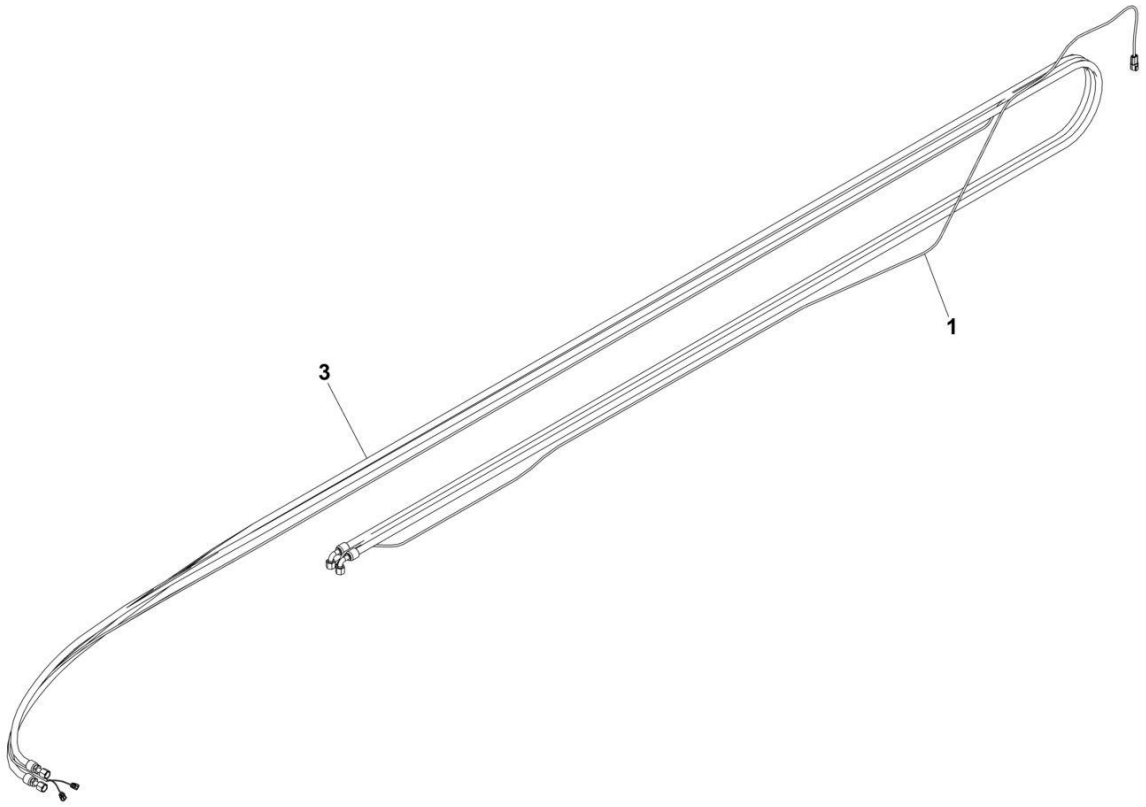


FIGURE 8-24. SUCTION LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184531	Ref	SUCTION LINES INSTALLATION	F
1	0761014	2	Bolt M10 x 30	
2	2171832	1	Fitting, Straight	
4	4812002	2	Washer M10	
5	8405301	4	Clamp	
6	1001176313	1	Hose	
7	1001202135	1	Pipe	
8	1001193421	1	Hose	
9	1001184530	1	Pipe	
10	5201215	4	Bolt M12 x 35	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. BOOM HOSE AND HARNESS ASSEMBLY



ART_1001186170

FIGURE 9-1. BOOM HOSE AND HARNESS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186170	Ref	Boom Cable Assembly	D
1	1001184422	1	Harness, Boom (See Separate Breakdown in ELECTRICAL Section)	
3	1001204124	1	Hose	

FIGURE 9-2. CYLINDER ASSEMBLY - COMPENSATION

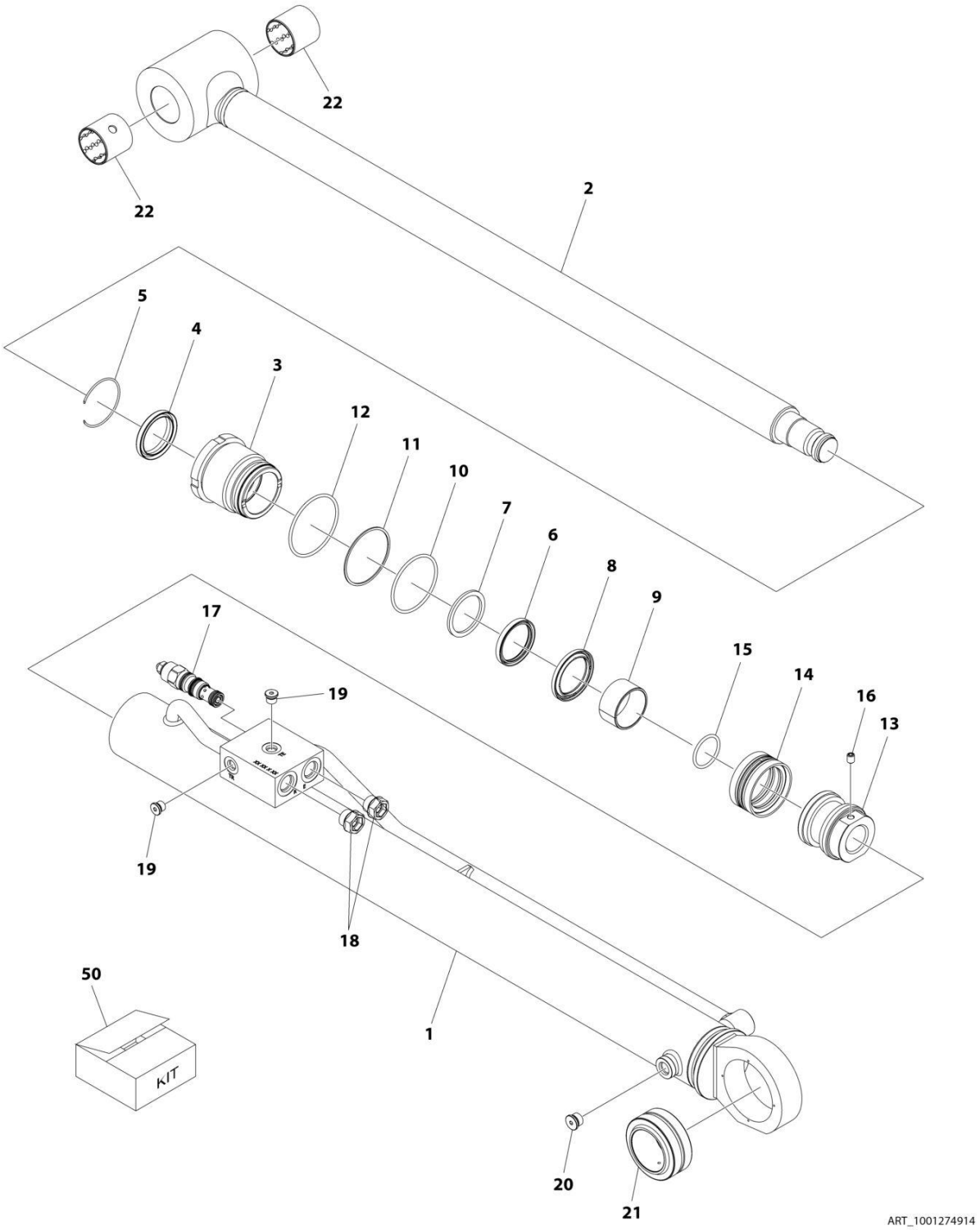
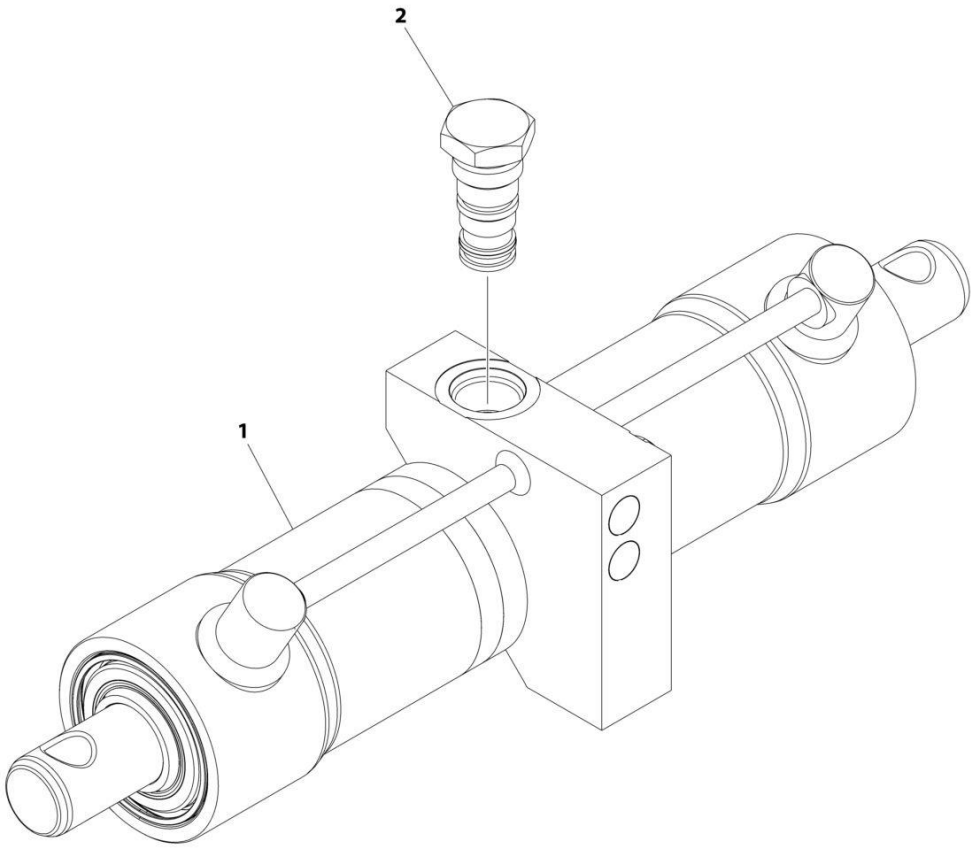


FIGURE 9-2. CYLINDER ASSEMBLY - COMPENSATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274914	Ref	CYLINDER ASSEMBLY - COMPENSATION	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001274914)	
2	70030953	1	Rod	
3	70030959	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 50)	
5	70002410	1	Ring, Retaining	
6	See Note	NSS	Seal (Note: Use Item 50)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
8	See Note	NSS	Ring (Note: Use Item 50)	
9	70005793	1	Bearing	
10	See Note	NSS	O-Ring (Note: Use Item 50)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
12	See Note	NSS	O-Ring (Note: Use Item 50)	
13	70030960	1	Piston	
14	See Note	NSS	Seal (Note: Use Item 50)	
15	See Note	NSS	O-Ring (Note: Use Item 50)	
16	70023369	1	Set Screw	
17	70028384	1	Cartridge, Valve	
18	See Note	Ref	Dust Plug (Note: Shipping Use Only)	
19	2220883	2	Plug	
20	2220885	1	Plug	
21	70030956	1	Bearing	
22	70030957	2	Bearing	
50	70030961	1	Seal Kit - 1001274914 Cylinder (Includes Items 4, 6-8, 10-12 & 14-15)	

FIGURE 9-3. CYLINDER SUB-ASSEMBLY - COUPLER LOCKING



ART_1001114787_C

FIGURE 9-3. CYLINDER SUB-ASSEMBLY - COUPLER LOCKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114787	Ref	COUPLER LOCKING CYLINDER ASSEMBLY	C
1	1001267977	1	Cylinder, Coupler Locking (See Separate Breakdown in this Section)	
2	1001145444	1	Valve, P.O. Check	

FIGURE 9-4. CYLINDER ASSEMBLY - COUPLER LOCKING

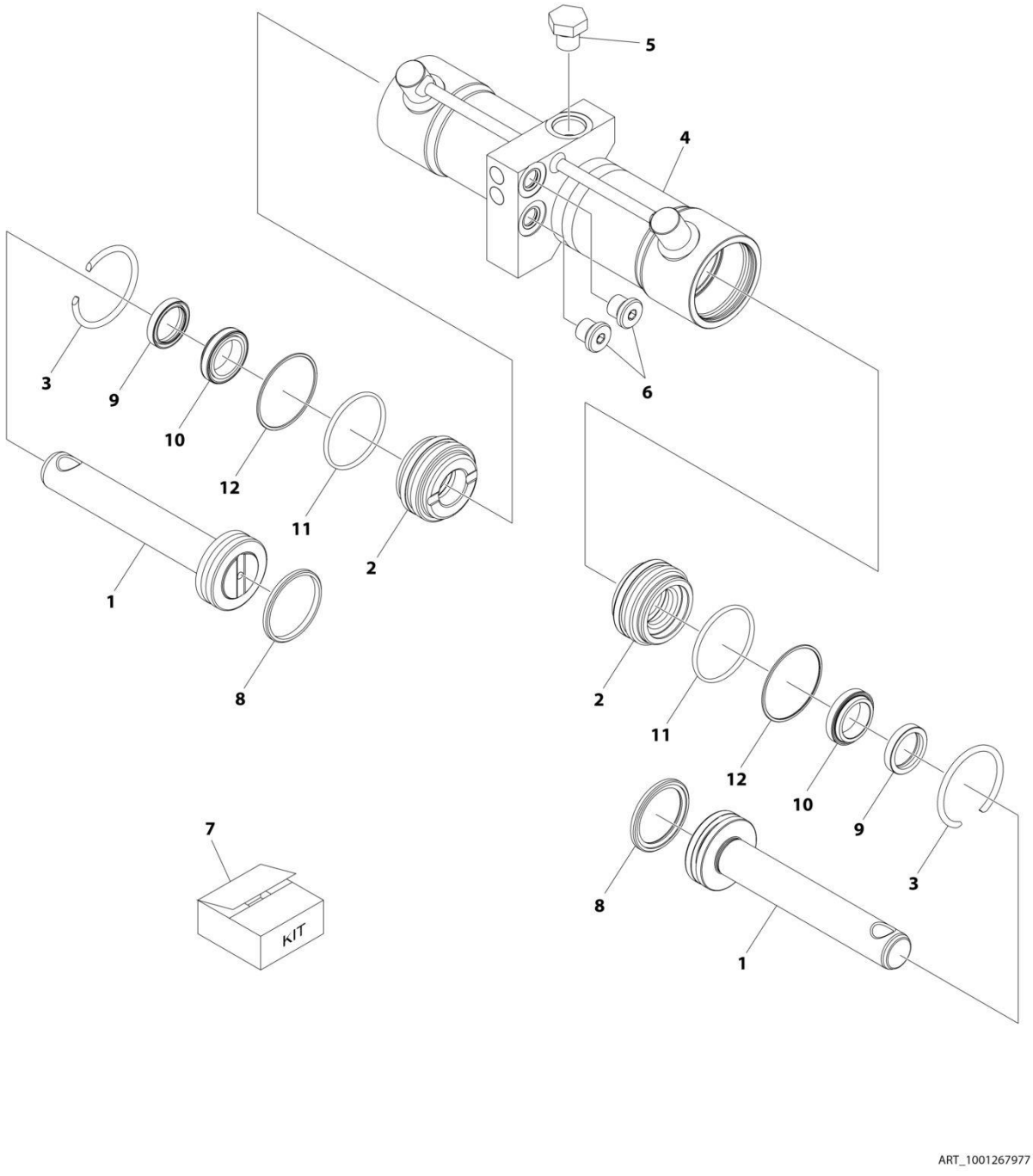


FIGURE 9-4. CYLINDER ASSEMBLY - COUPLER LOCKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267977	Ref	COUPLER LOCKING CYLINDER	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70031293	2	Rod	
2	70031294	2	Bushing	
3	70031295	2	Ring, Snap	
4	See Note	NSS	Barrel (Note: Not Sold Separately, Purchase 1001267977)	
5	70031296	1	Plug	
6	2220885	2	Plug	
7	70031297	1	Seal Kit (Includes Items 8-12)	
8	See Note	2	Seal, Piston (Note: Use Item 7)	
9	See Note	2	Seal, Rod (Note: Use Item 7)	
10	See Note	2	Ring, Wiper (Note: Use Item 7)	
11	See Note	2	O-Ring (Note: Use Item 7)	
12	See Note	2	Ring, Backup (Note: Use Item 7)	

FIGURE 9-5. CYLINDER ASSEMBLY - EXTEND/RETRACT (TELESCOPE) (INNER)

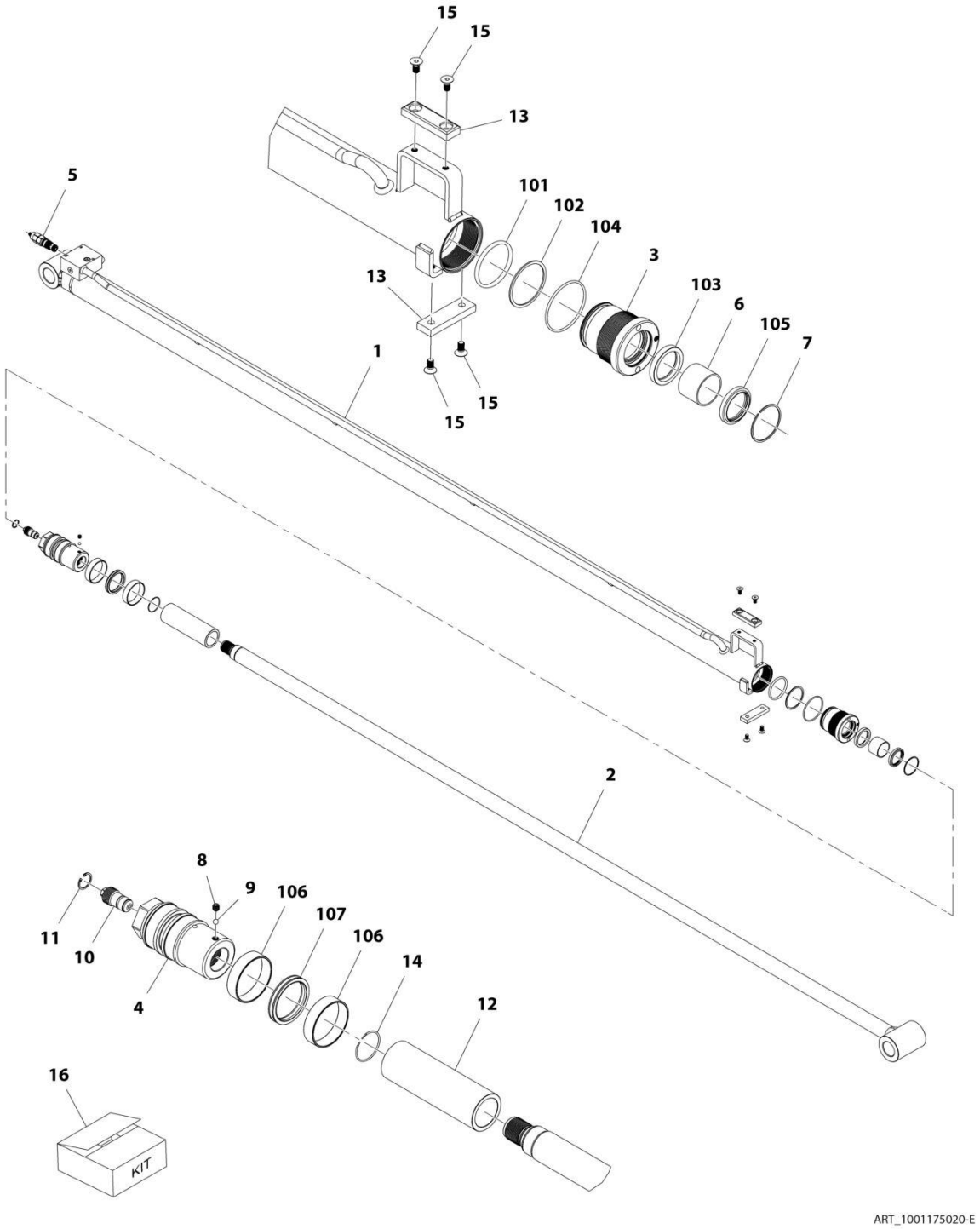
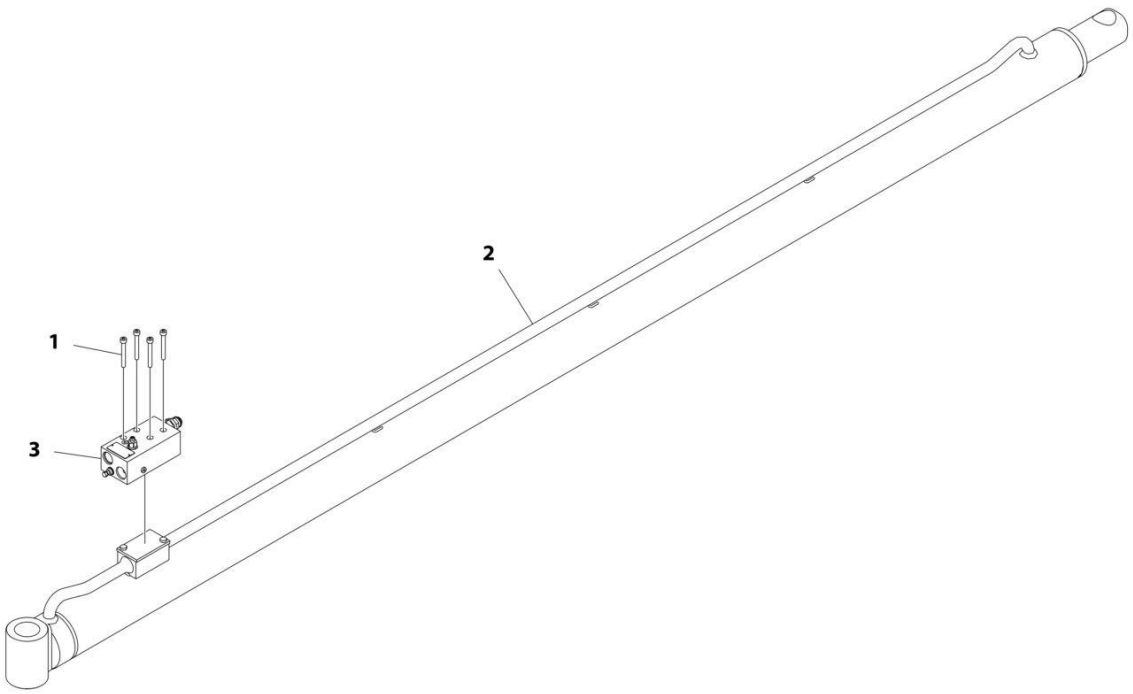


FIGURE 9-5. CYLINDER ASSEMBLY - EXTEND/RETRACT (TELESCOPE) (INNER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175020	Ref	Extend/Retract Cylinder Assembly	E
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	70027077	1	Barrel	
2	70027078	1	Rod	
3	70027079	1	Gland	
4	70027080	1	Piston Head	
5	1001162974	1	Valve, Counterbalance	
6	70027081	1	Bushing, Spare	
7	70023101	1	Ring, Snap	
8	70025956	1	Screw, Lock	
9	70025614	1	Bearing, Ball	
10	70027087	1	Valve, Check	
11	70027074	1	Circlip	
12	70027082	1	Spacer	
13	70027083	1	Guide, Plate	
14	70027084	1	Wire Ring	
15	70027085	1	Screw	
16	70027086	1	Kit, Seal	
101	Kit	1	O-Ring	
102	Kit	1	Ring, Backup	
103	Kit	1	Seal, Rod	
104	Kit	1	O-Ring	
105	Kit	1	Wiper	
106	Kit	1	Bearing, Piston Ring	
107	Kit	1	Seal, Piston	

FIGURE 9-6. CYLINDER SUB-ASSEMBLY - EXTEND/RETRACT (TELESCOPE) (OUTER)



ART_1001203313

FIGURE 9-6. CYLINDER SUB-ASSEMBLY - EXTEND/RETRACT (TELESCOPE) (OUTER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203313	Ref	EXTEND/RETRACT CYLINDER ASSEMBLY	B
1	5271917	4	Screw M8 x 65	
2	1001175019	1	Cylinder, Extend/Retract (See Separate Breakdown in this Section)	
3	1001192946	1	Valve, Counterbalance	

FIGURE 9-7. CYLINDER ASSEMBLY - EXTEND/RETRACT (TELESCOPE) (OUTER)

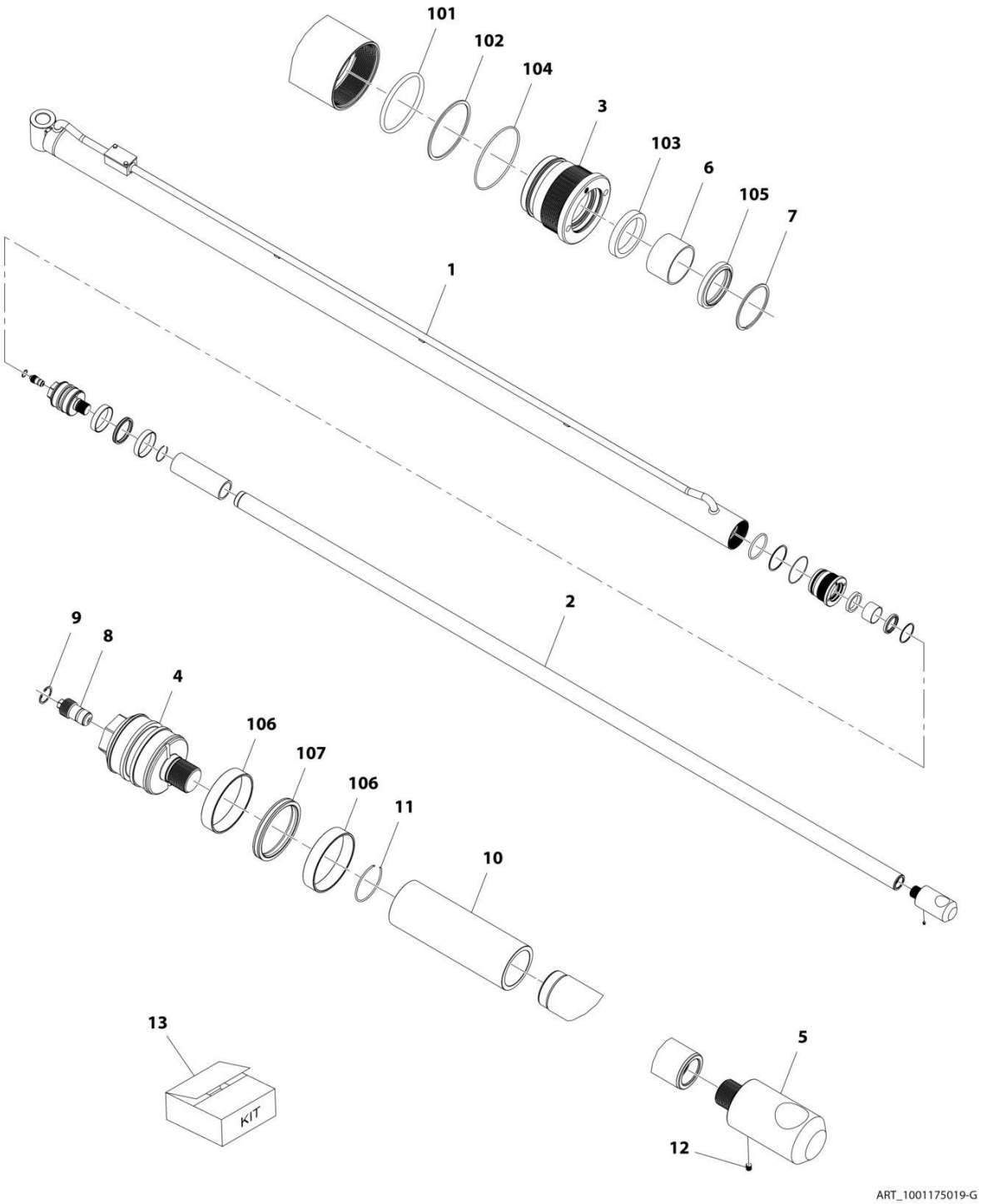


FIGURE 9-7. CYLINDER ASSEMBLY - EXTEND/RETRACT (TELESCOPE) (OUTER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175019	Ref	Extend/Retract Cylinder	G
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	70027068	1	Barrel	
2	70027069	1	Rod	
3	70027070	1	Head	
4	70027071	1	Piston	
5	70027072	1	Screw	
6	70027073	1	Bushing, Spare	
7	70002222	1	Ring, Retaining	
8	70027087	1	Valve, Check	
9	70027074	1	Circlip	
10	70027075	1	Spacer	
11	70027076	1	Wire Ring	
12	70027088	1	Screw, Lock	
13	70027067	1	Kit, Seal	
101	Kit	1	O-Ring	
102	Kit	1	Ring, Backup	
103	Kit	1	Seal, Rod	
104	Kit	1	O-Ring	
105	Kit	1	Wiper	
106	Kit	1	Bearing, Piston Ring	
107	Kit	1	Seal, Piston	

FIGURE 9-8. CYLINDER ASSEMBLY - LIFT

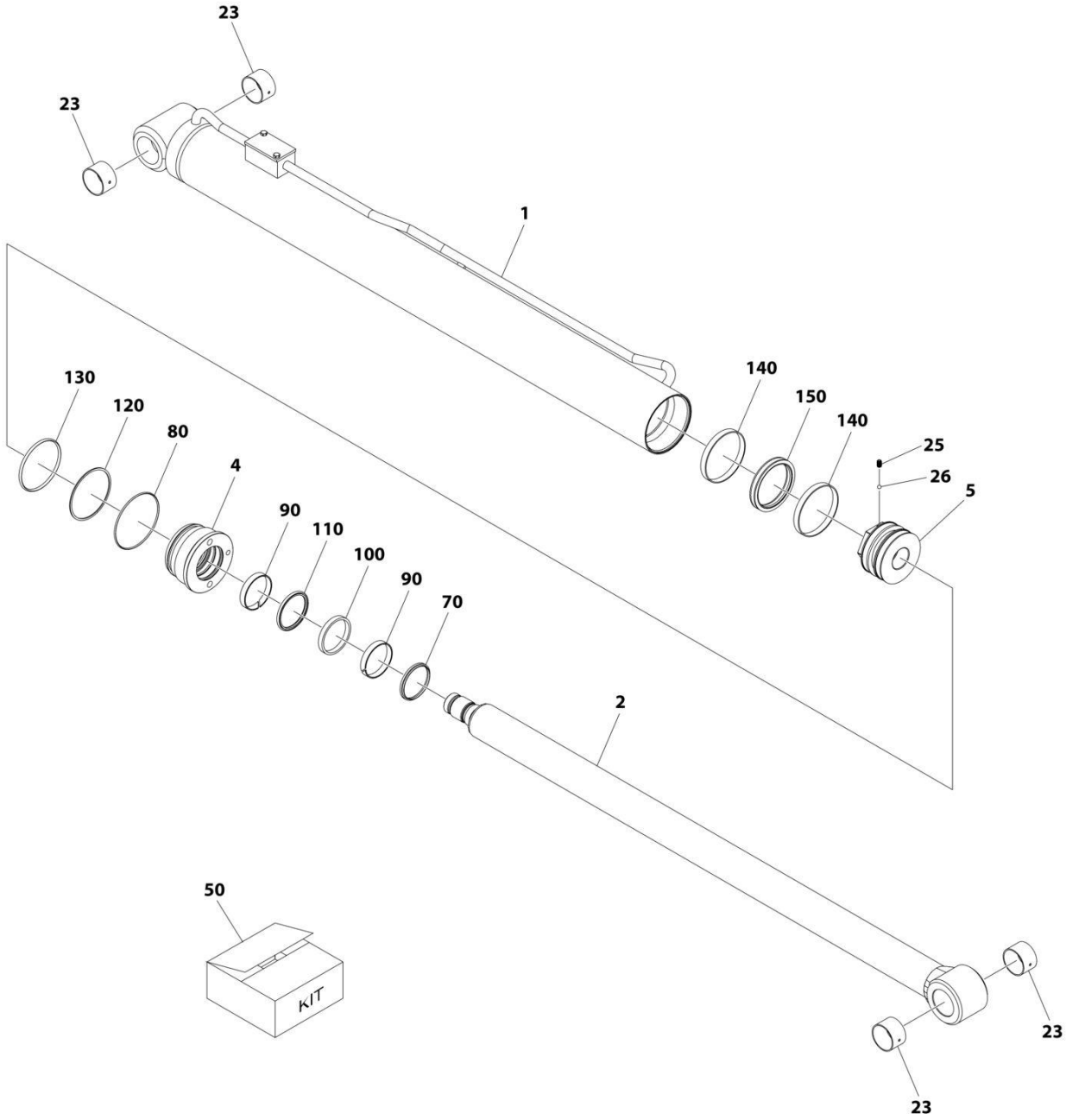


FIGURE 9-8. CYLINDER ASSEMBLY - LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267963	Ref	CYLINDER ASSEMBLY - LIFT	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001267963)	
2	See Note	NSS	Rod (Note: Use PN 1001267963)	
4	70030997	1	Head	
5	70030998	1	Piston	
23	70025602	4	Bushing	
25	70025613	1	Set Screw M10 x 16	
26	70025614	1	Ball	
50	70030999	1	Seal Kit - 1001267963 Cylinder	
70	See Note	NSS	Seal (Note: Use Item 50)	
80	See Note	NSS	O-Ring (Note: Use Item 50)	
90	See Note	NSS	Ring Wear (Note: Use Item 50)	
100	See Note	NSS	Seal (Note: Use Item 50)	
110	See Note	NSS	Seal (Note: Use Item 50)	
120	See Note	NSS	Ring (Note: Use Item 50)	
130	See Note	NSS	Ring (Note: Use Item 50)	
140	See Note	NSS	Ring (Note: Use Item 50)	
150	See Note	NSS	Seal (Note: Use Item 50)	

FIGURE 9-9. CYLINDER ASSEMBLY - TILT

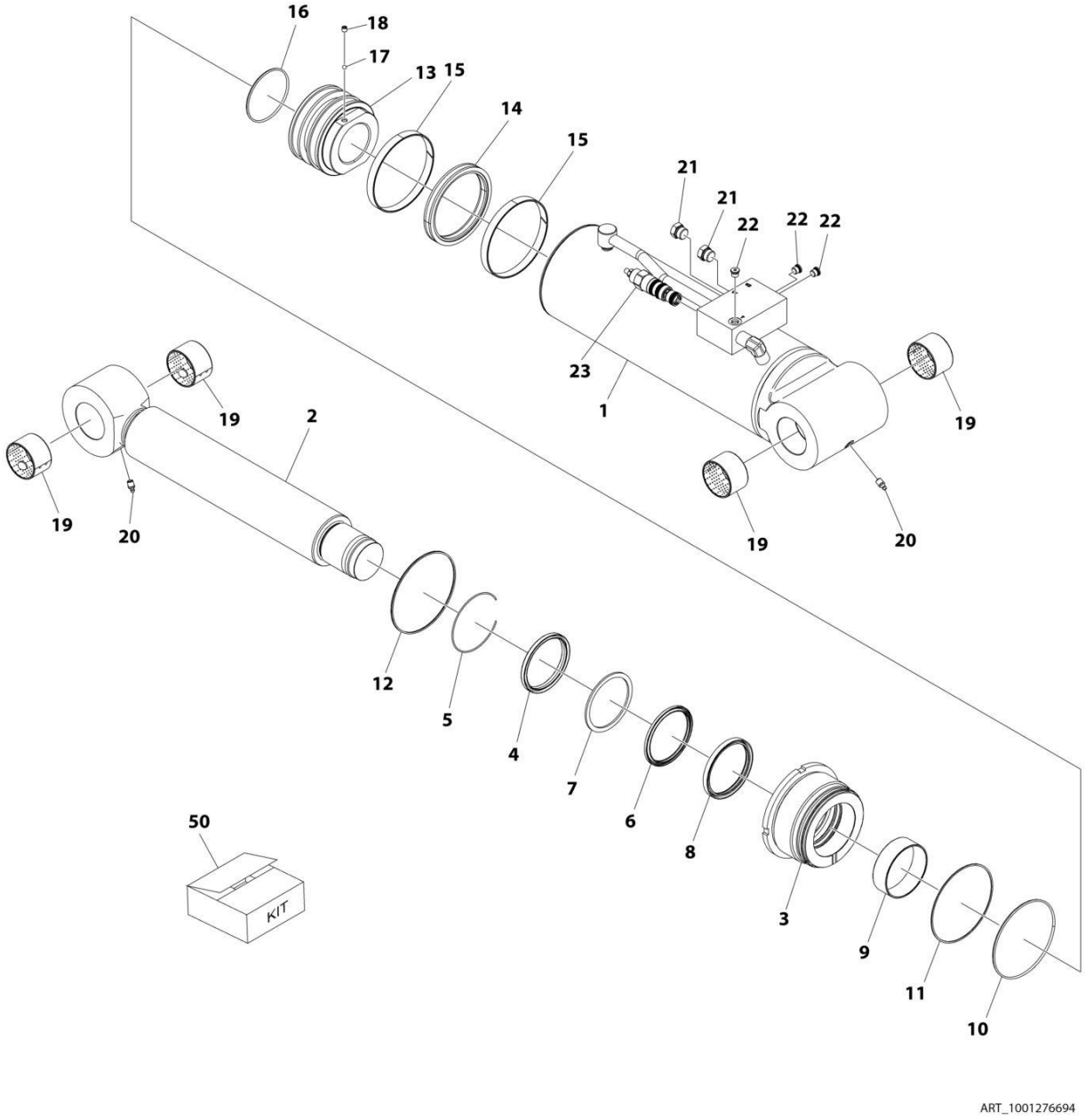


FIGURE 9-9. CYLINDER ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276694	Ref	CYLINDER ASSEMBLY	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001276694)	
2	70027744	1	Rod	
3	70027223	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 50)	
5	70023380	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 50)	
7	See Note	NSS	Ring, Back Up (Note: Use Item 50)	
8	See Note	NSS	Ring, Buffer (Note: Use Item 50)	
9	70027225	1	Bearing, Dry	
10	See Note	NSS	O-Ring (Note: Use Item 50)	
11	See Note	NSS	Ring, Back Up (Note: Use Item 50)	
12	See Note	NSS	O-Ring (Note: Use Item 50)	
13	70031042	1	Piston	
14	See Note	NSS	Seal, Piston (Note: Use Item 50)	
15	See Note	NSS	Ring, Wear (Note: Use Item 50)	
16	See Note	NSS	O-Ring (Note: Use Item 50)	
17	70022564	1	Ball	
18	70023369	1	Setscrew M8 x 10	
19	70026543	4	Bearing, Dry	
20	70026308	2	Fitting, Grease	
21	70023372	2	Plug, 3/4	
22	2220883	3	Plug, 7/16	
23	1001189888	1	Cartridge, Valve	
50	70031043	1	Seal Kit (Includes Items 4, 6-8, 10-12 & 14-16)	

FIGURE 9-10. IMPLEMENT PUMP

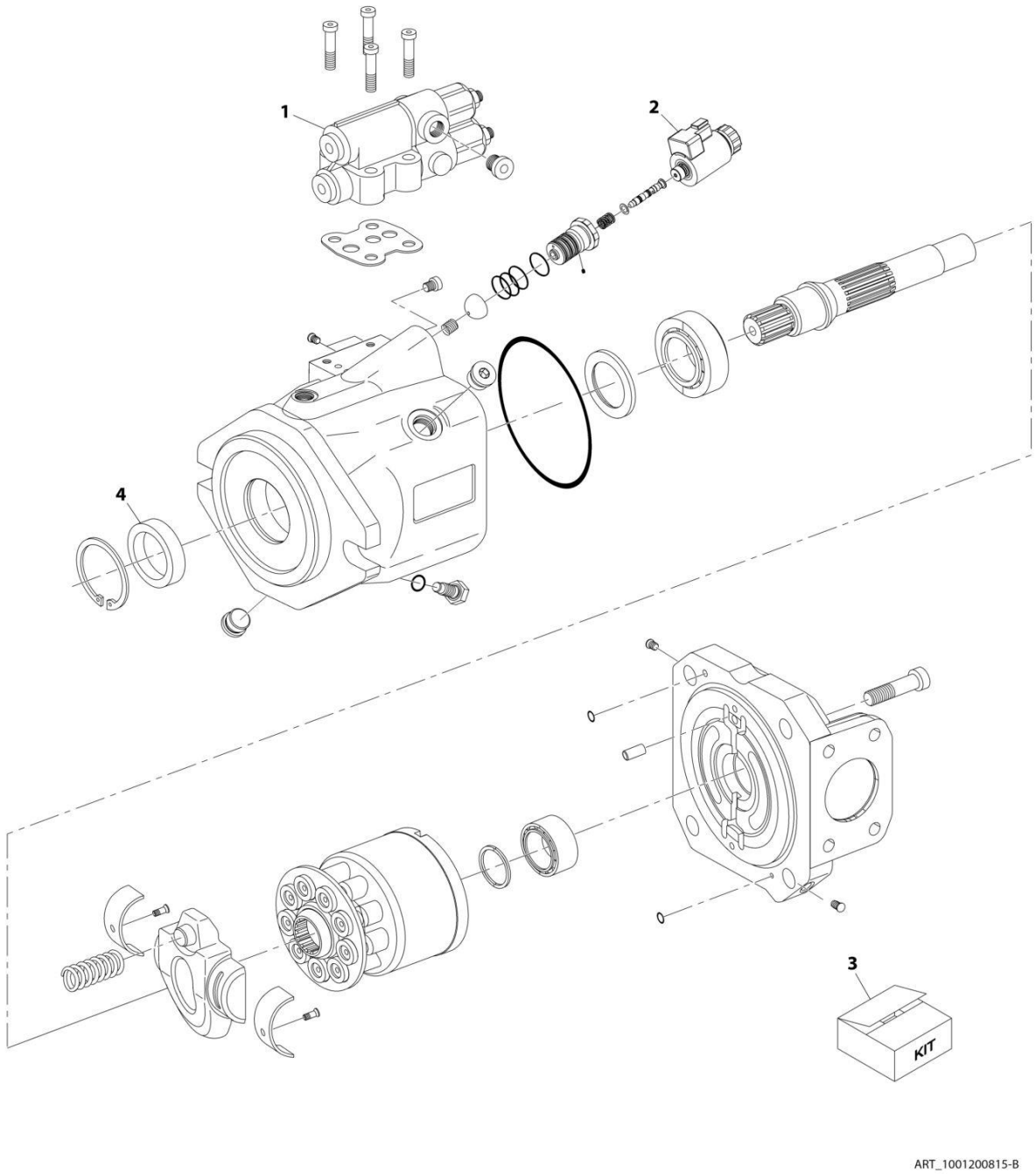


FIGURE 9-10. IMPLEMENT PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200815	Ref	Implement Pump	B
1	70027595	1	Controller, DSR	
2	70024186	1	Controller, EK	
3	70024189	1	Kit, Seal	
4	7024947	1	SHAFT SEAL	
	Kit	1	O-Ring	
	Kit	2	O-Ring	
	Kit	2	O-Ring	
	Kit	4	O-Ring	
	Kit	2	O-Ring	
	Kit	1	Seal	
	Kit	1	Ring, Retaining	
	Kit	1	O-Ring	
	Kit	1	Seal	
	Kit	1	O-Ring	
	Kit	6	Seal	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	2	O-Ring	
	Kit	2	Ring, Thrust	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	Ring, Backup	
	Kit	1	O-Ring	
	Kit	1	Ring, Backup	

FIGURE 9-11. VALVE SUB-ASSEMBLY - DIVERTOR (HI-FLOW)

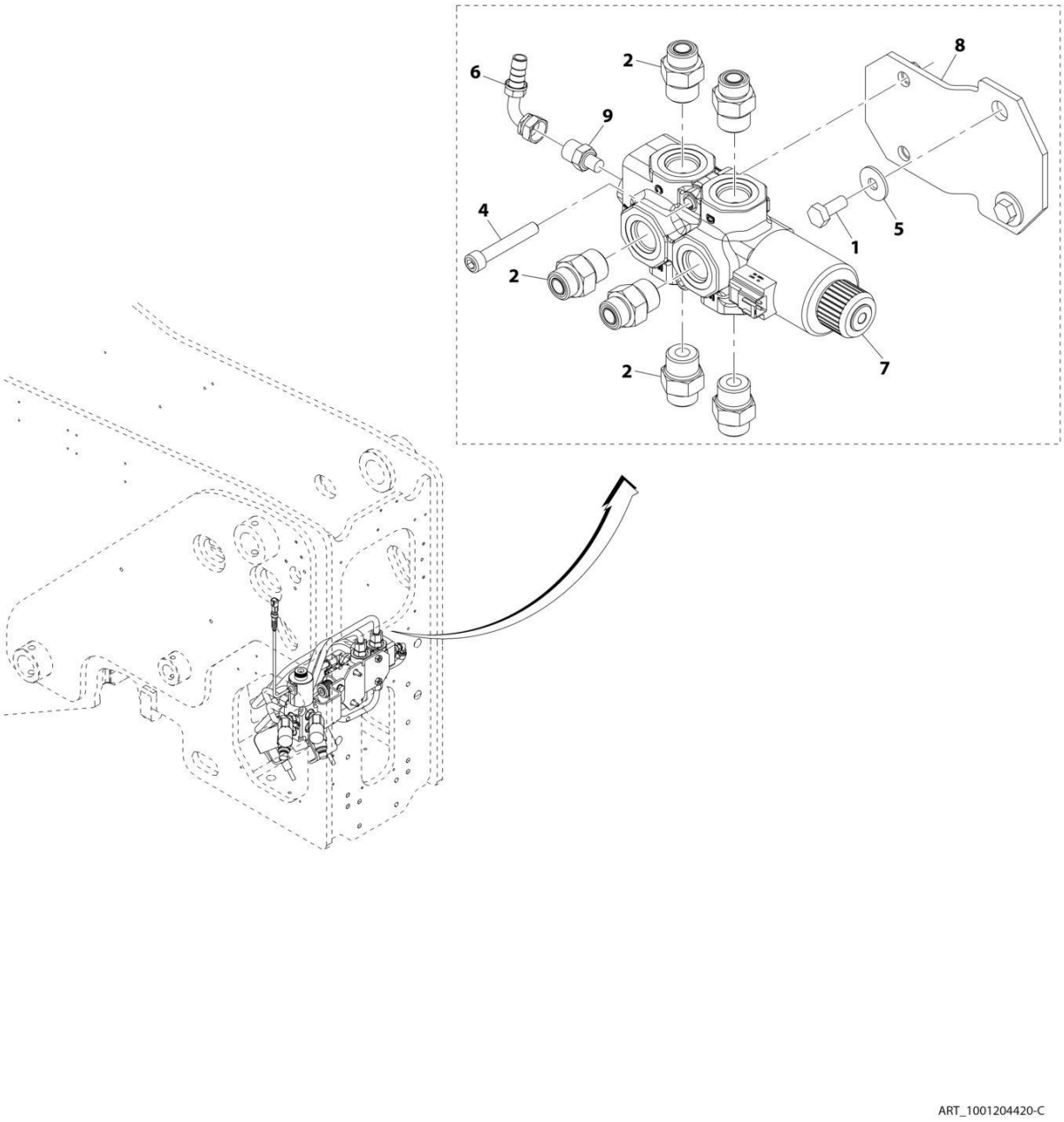


FIGURE 9-11. VALVE SUB-ASSEMBLY - DIVERTOR (HI-FLOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204420	Ref	Divertor Valve Assembly (Hi Flow)	C
1	0761012	2	Bolt, M10X25	
2	2111012	6	Fitting, Straight ORFS	
4	4032017	2	Bolt	
5	4812002	2	Washer, M10	
6	1001095301	1	Fitting, 90 ORFS	
7	1001173771	1	Valve, Divertor (Hi Flow) (See Separate Breakdown in this Section)	
8	1001213748	1	Bracket	
9	2110604	1	Fitting, Straight ORFS	

FIGURE 9-12. VALVE ASSEMBLY - DIVERTOR

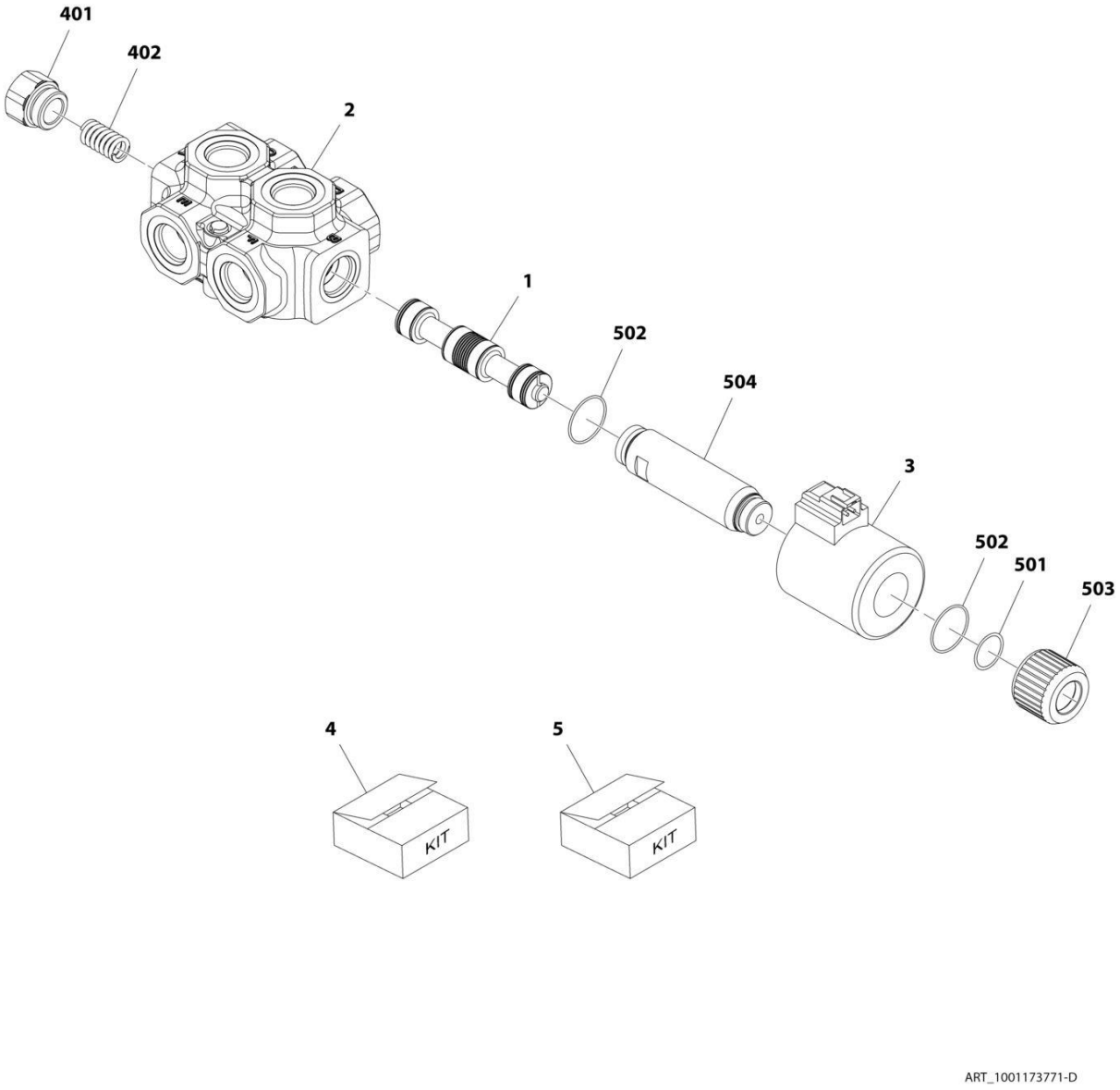


FIGURE 9-12. VALVE ASSEMBLY - DIVERTOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173771	Ref	Divertor Valve	D
1	70027267	1	Spool, Divertor	
2	70027268	1	Body, Divertor	
3	70027269	1	Coil	
4	70027270	1	Kit, Drain Plug	
401	Kit	1	Plug	
402	Kit	1	Spring	
5	70027271	1	Kit, Tube	
501	Kit	1	O-Ring	
502	Kit	2	O-Ring	
503	Kit	1	Plug	
504	Kit	1	Tube	

FIGURE 9-13. VALVE ASSEMBLY - DIVERTOR

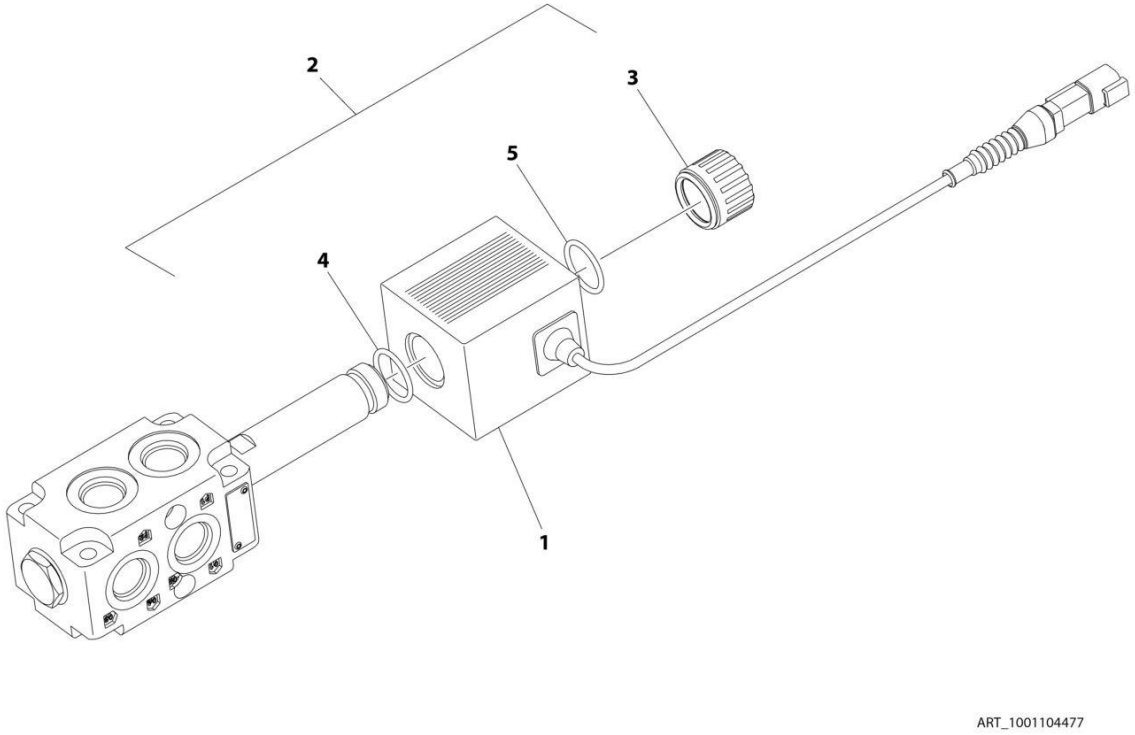


FIGURE 9-13. VALVE ASSEMBLY - DIVERTOR

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 9-14. VALVE ASSEMBLY - DIVERTOR

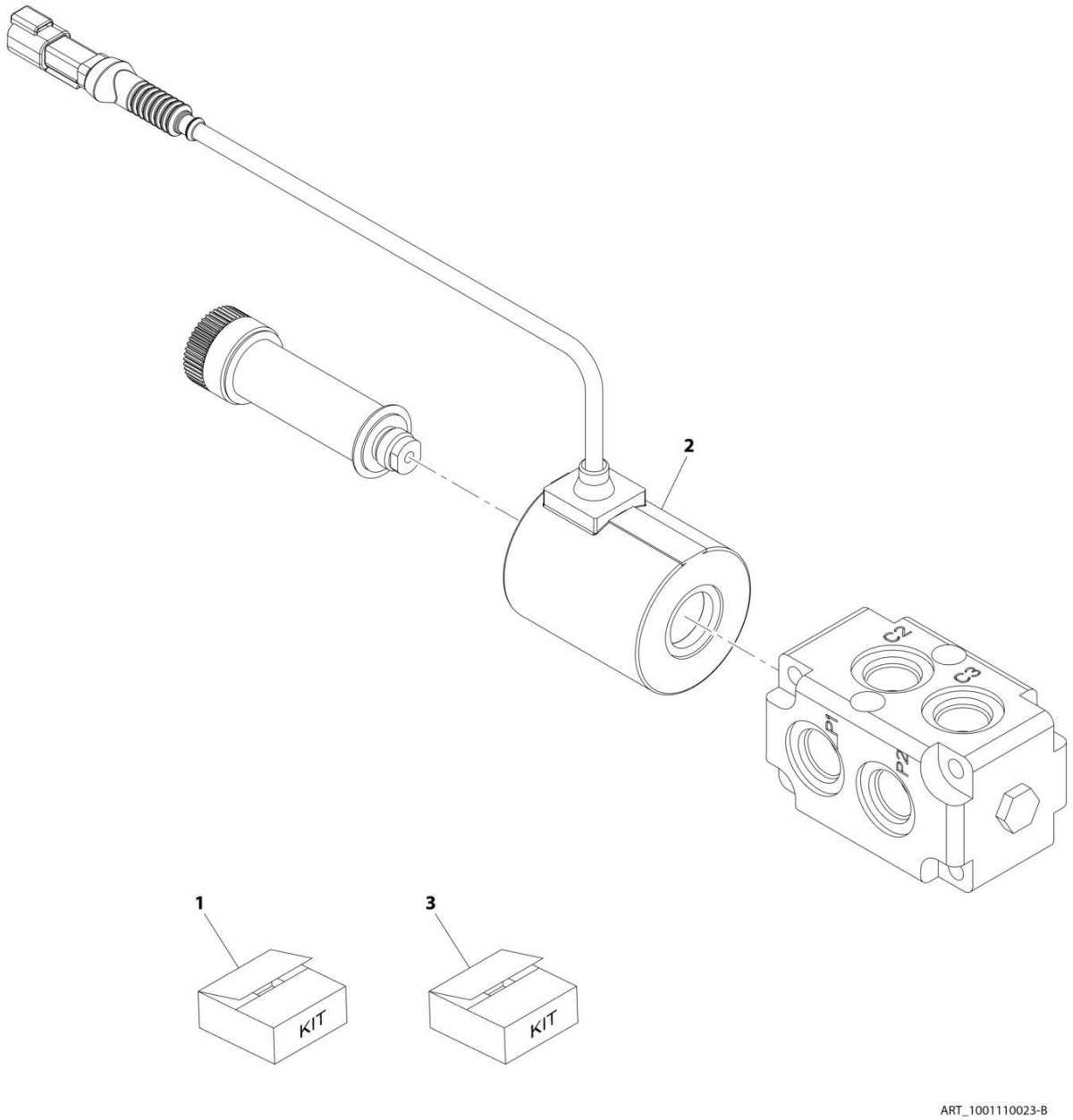


FIGURE 9-14. VALVE ASSEMBLY - DIVERTOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001110023	Ref	Divertor Valve	B
1	70027596	1	Kit, Seal	
	Kit	2	O-Ring	
2	70020764	1	Coil	
3	70021531	1	Kit, Coil Nut	
	N.S.S.	1	O-Ring	
	N.S.S.	1	O-Ring	
	N.S.S.	1	Nut	

FIGURE 9-15. VALVE ASSEMBLY - FAN MOTOR CONTROL

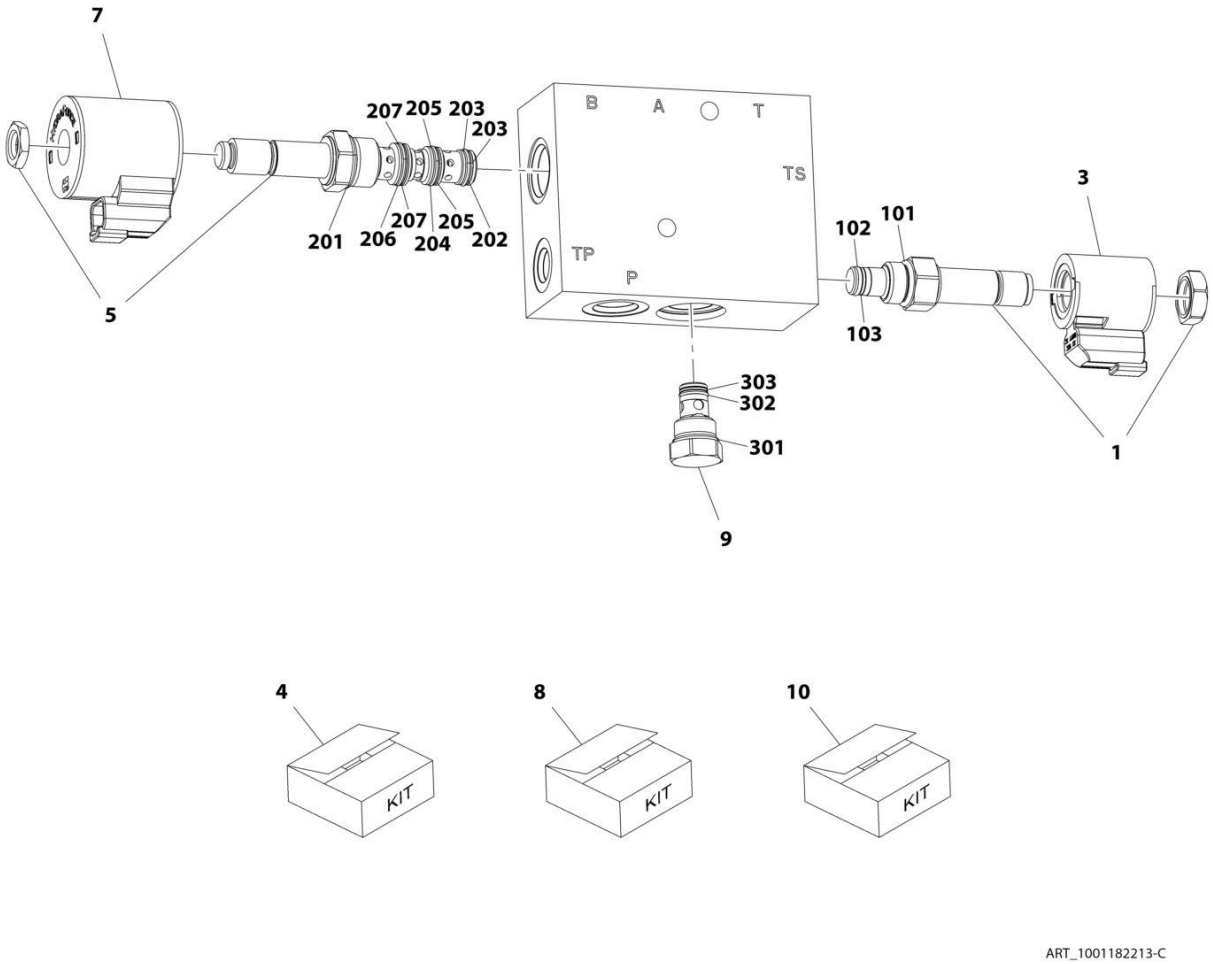


FIGURE 9-15. VALVE ASSEMBLY - FAN MOTOR CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182213	Ref	Fan Motor Control Valve	C
1	70027004	1	Valve, Proportional	
3	70002971	1	Coil	
4	7012998	1	Kit, Seal (includes items 101 thru 103)	
5	8036580	1	Valve, Solenoid	
7	70003788	1	Coil	
8	7012903	1	Kit, Seal (includes items 201 thru 207)	
9	7022391	1	Valve, Check	
10	7012998	1	Kit, Seal (includes items 301 thru 303)	
101	N.S.S.	1	O-Ring	
102	N.S.S.	1	O-Ring	
103	N.S.S.	1	O-Ring, Back-up	
201	N.S.S.	1	O-Ring	
202	N.S.S.	1	O-Ring	
203	N.S.S.	2	O-Ring, Back-up	
204	N.S.S.	1	O-Ring	
205	N.S.S.	2	O-Ring, Back-up	
206	N.S.S.	1	O-Ring	
207	N.S.S.	2	O-Ring, Back-up	
301	N.S.S.	1	O-Ring	
302	N.S.S.	1	O-Ring	
303	N.S.S.	1	O-Ring, Back-up	

FIGURE 9-16. VALVE ASSEMBLY - HYDRAULIC HITCH CONTROL VALVE

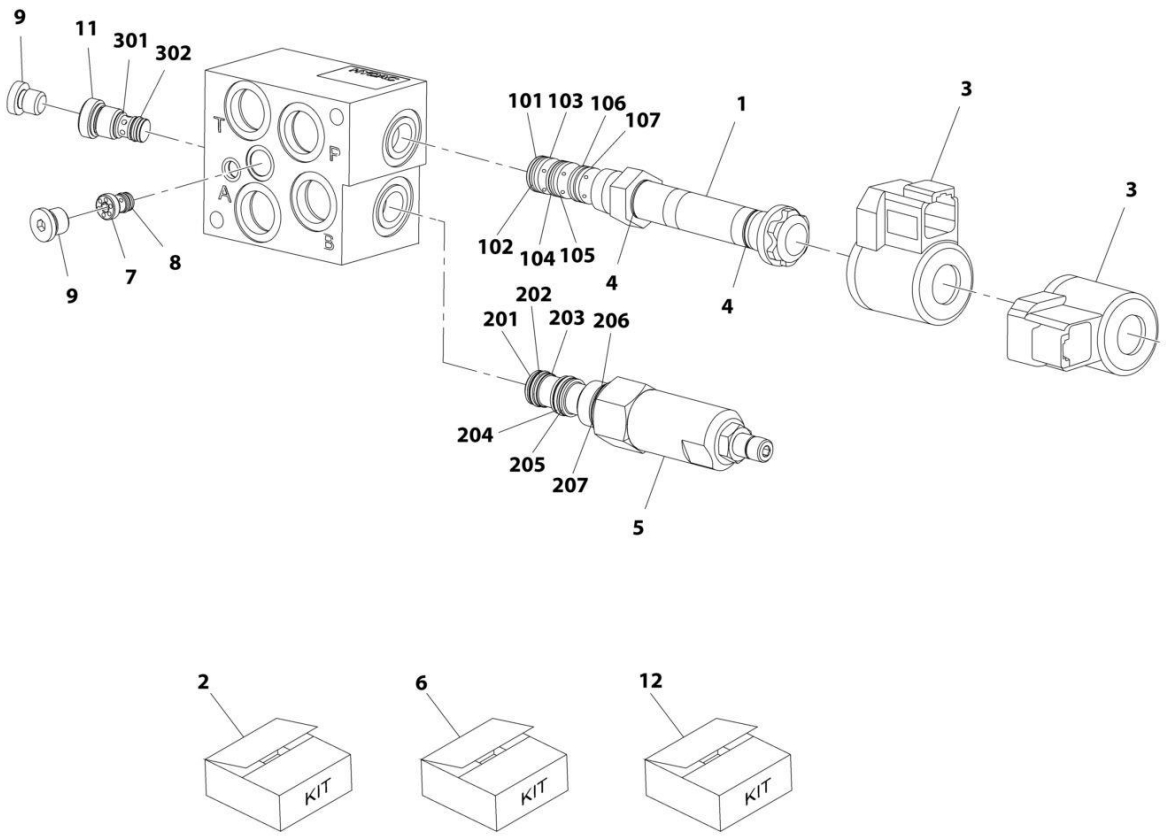


FIGURE 9-16. VALVE ASSEMBLY - HYDRAULIC HITCH CONTROL VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001226722	Ref	Hydraulic Hitch Control Valve	B
1	70026965	1	Valve	
2	70026966	1	Kit, Seal	
101	Kit	1	O-Ring	
102	Kit	1	O-Ring	
103	Kit	2	Support Ring	
104	Kit	1	O-Ring	
105	Kit	2	Support Ring	
106	Kit	1	O-Ring	
107	Kit	2	Support Ring	
3	70026967	2	Coil	
4	70026968	1	Nut	
5	70026969	1	Valve	
6	70026970	1	Kit, Seal	
201	Kit	1	O-Ring	
202	Kit	1	O-Ring	
203	Kit	2	Support Ring	
204	Kit	1	O-Ring	
205	Kit	2	Support Ring	
206	Kit	1	O-Ring	
207	Kit	2	Support Ring	
7	70026971	1	Valve	
8	70026972	1	Seal	
9	70026973	2	Plug	
11	70026975	1	Valve	
12	70026976	1	Kit, Seal	
301	Kit	1	O-Ring	
302	Kit	1	O-Ring	

FIGURE 9-17. VALVE ASSEMBLY - MAIN CONTROL

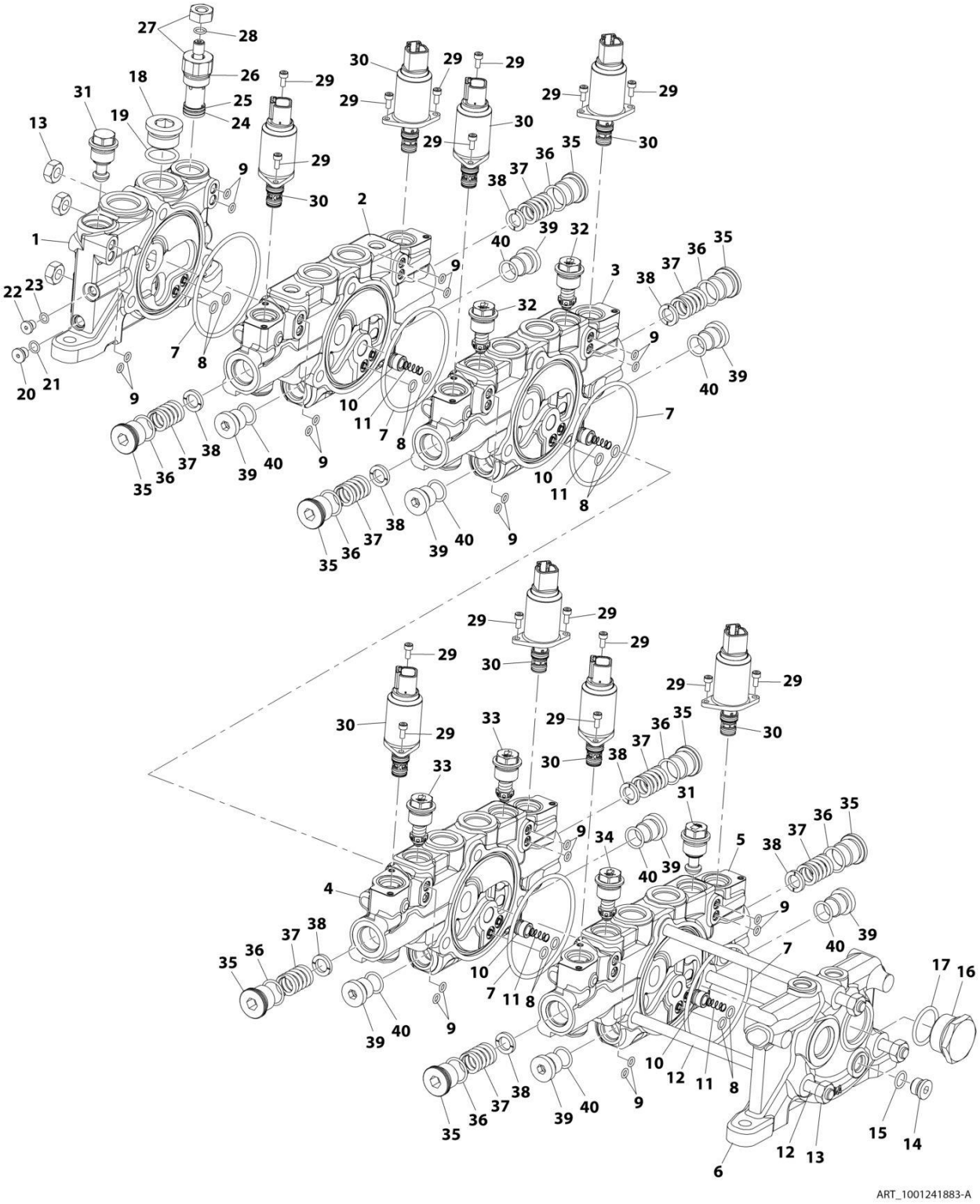


FIGURE 9-17. VALVE ASSEMBLY - MAIN CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241883	Ref	Main Control Valve	A
1	70027136	1	Section, Inlet	
2	70029992	1	Lift Section Assembly	
3	70029993	1	Tilt Section Assembly	
4	70029994	1	Aux Section Assembly	
5	70029995	1	Extend/Retract Section Assembly	
6	70027141	1	Outlet Section Assembly	
7	8034697	5	O-Ring	
8	10837926	10	O-Ring	
9	70027128	20	O-Ring	
10	10837929	4	Poppet	
11	10837937	4	Spring	
12	70026375	3	Tie Rod	
13	70050481	6	Nut-Metric	
14	70050475	1	Plug Assy	
15	70024201	1	O-Ring	
16	70029030	1	Plug Assy W/O-Ring	
17	10732931	1	O-Ring	
18	70050472	1	Plug Assy, W/O-Ring	
19	70026374	1	O-Ring	
20	70026368	1	Plug Assy W/O-Ring	
21	70026371	1	O-Ring	
22	70026379	1	Plug Assy W/O-Ring	
23	70026372	1	O-Ring	
24	70026370	1	O-Ring	
25	70026376	1	Back-Up Ring	
26	10837928	1	O-Ring	
27	70027132	1	Drain Regulator Assembly	
28	70026373	1	O-Ring	
29	70027135	16	Screw	
30	70029820	8	Solenoid, Cartridge Valve	
31	70026382	2	Shut-Off Plug Assembly	
32	70022010	2	Relief Valve Assembly	
33	70027133	2	Relief Valve Assembly	
34	70027134	1	Relief Valve Assembly	
35	70024847	8	Plug Assembly W/O-Ring	
36	70026777	8	O-Ring	
37	70026377	8	Spring	
38	70027129	8	Spring Seat	
39	70027131	8	Plug Assembly W/O-Ring	
40	70027130	8	O-Ring	

FIGURE 9-18. VALVE ASSEMBLY - PRIORITY FLOW MANIFOLD

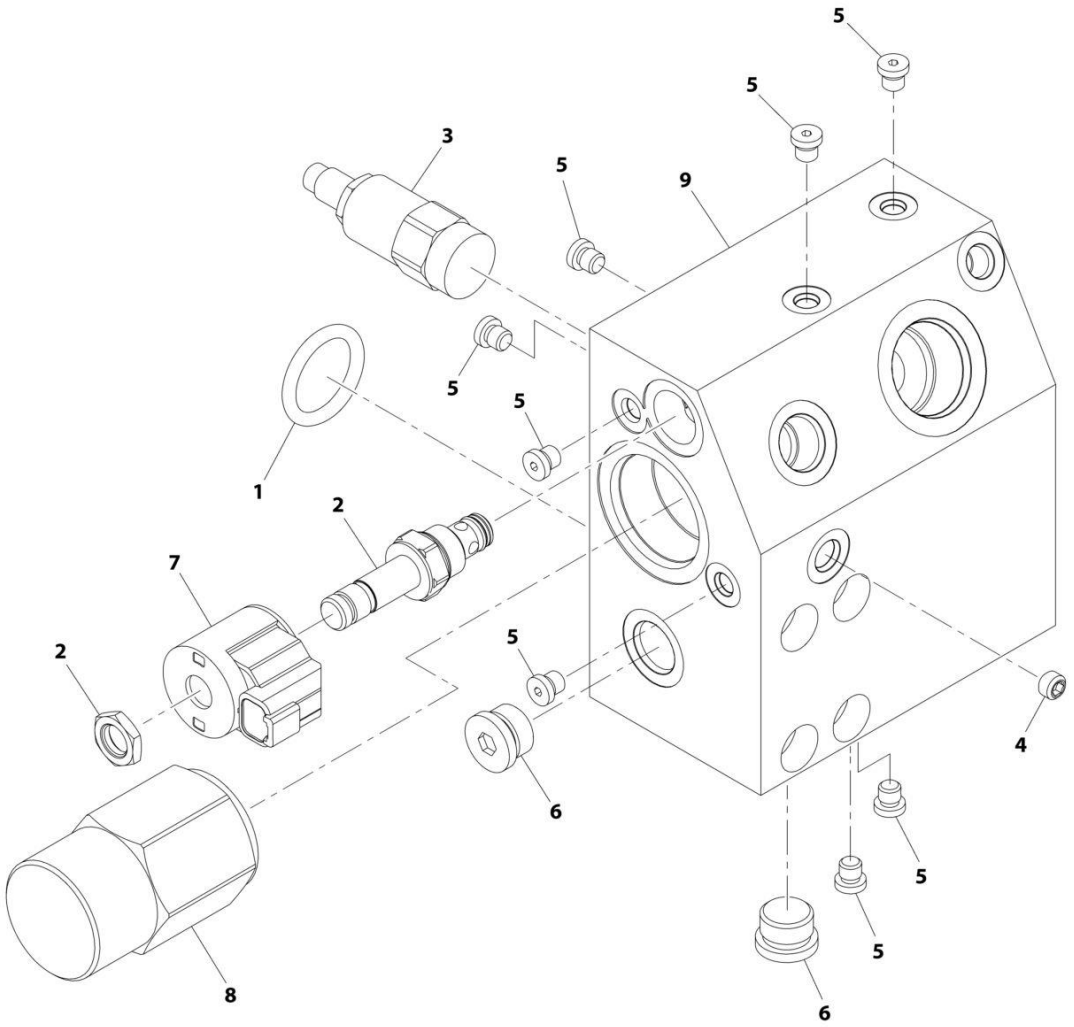
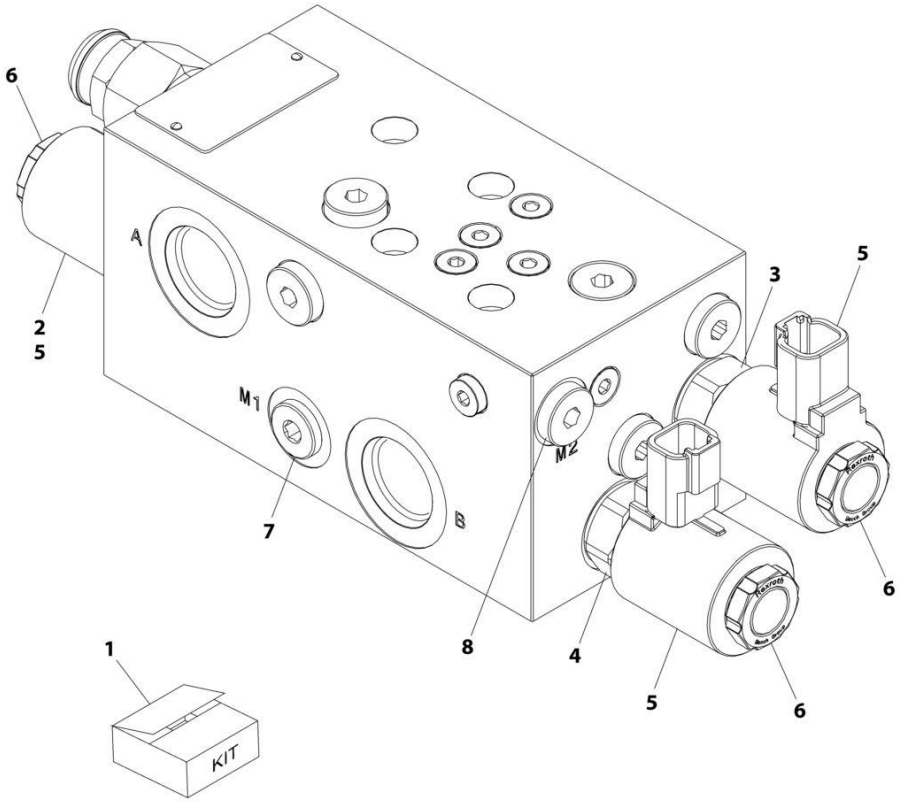


FIGURE 9-18. VALVE ASSEMBLY - PRIORITY FLOW MANIFOLD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220639	Ref	Priority Flow Valve	B
1	70027000	1	O-Ring	
2	70027001	1	Valve, Solenoid	
3	70027002	1	Reducer, Pressure	
4	70026313	1	Plug	
5	2220881	8	Plug	
6	2220886	2	Plug	
7	70002386	1	Coil	
8	70028900	1	Direction Control Valve	
9	N.S.S.	1	Body	

FIGURE 9-19. VALVE ASSEMBLY - RIDE CONTROL

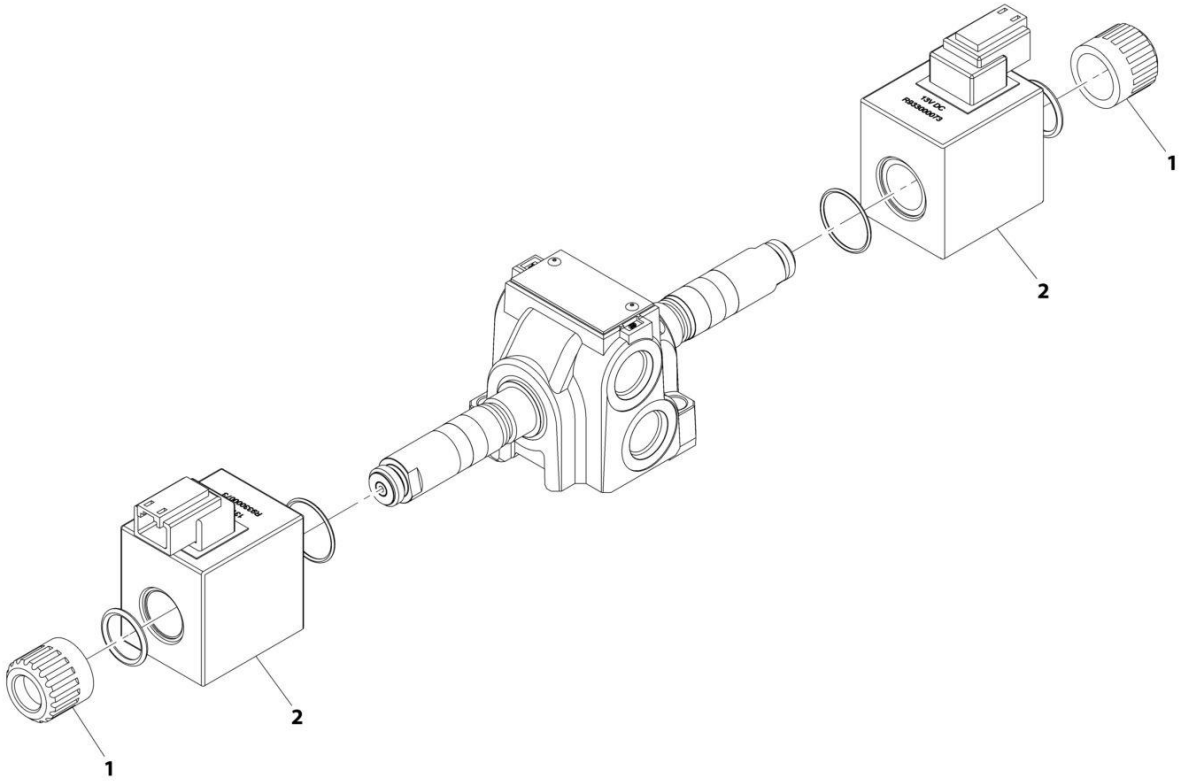


ART_1001263039

FIGURE 9-19. VALVE ASSEMBLY - RIDE CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263039	Ref	VALVE ASSEMBLY - RIDE CONTROL	A
1	70027600	1	Seal Kit - Mounting (Includes to Mount Valve Assembly)	
2	70030943	1	Valve, Solenoid Cartridge (Less Coil)	
3	70030944	1	Valve, Solenoid Cartridge (Less Coil)	
4	70030945	1	Valve, Solenoid Cartridge (Less Coil)	
5	70030946	3	Coil	
6	70007604	3	Coil Nut	
7	70030947	1	Plug Kit	
8	70030948	1	Plug Kit	

FIGURE 9-20. VALVE ASSEMBLY - STEERING SELECT VALVE



ART_1001153748-C

FIGURE 9-20. VALVE ASSEMBLY - STEERING SELECT VALVE

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

FIGURE 9-21. VALVE ASSEMBLY - TRAILER BRAKE

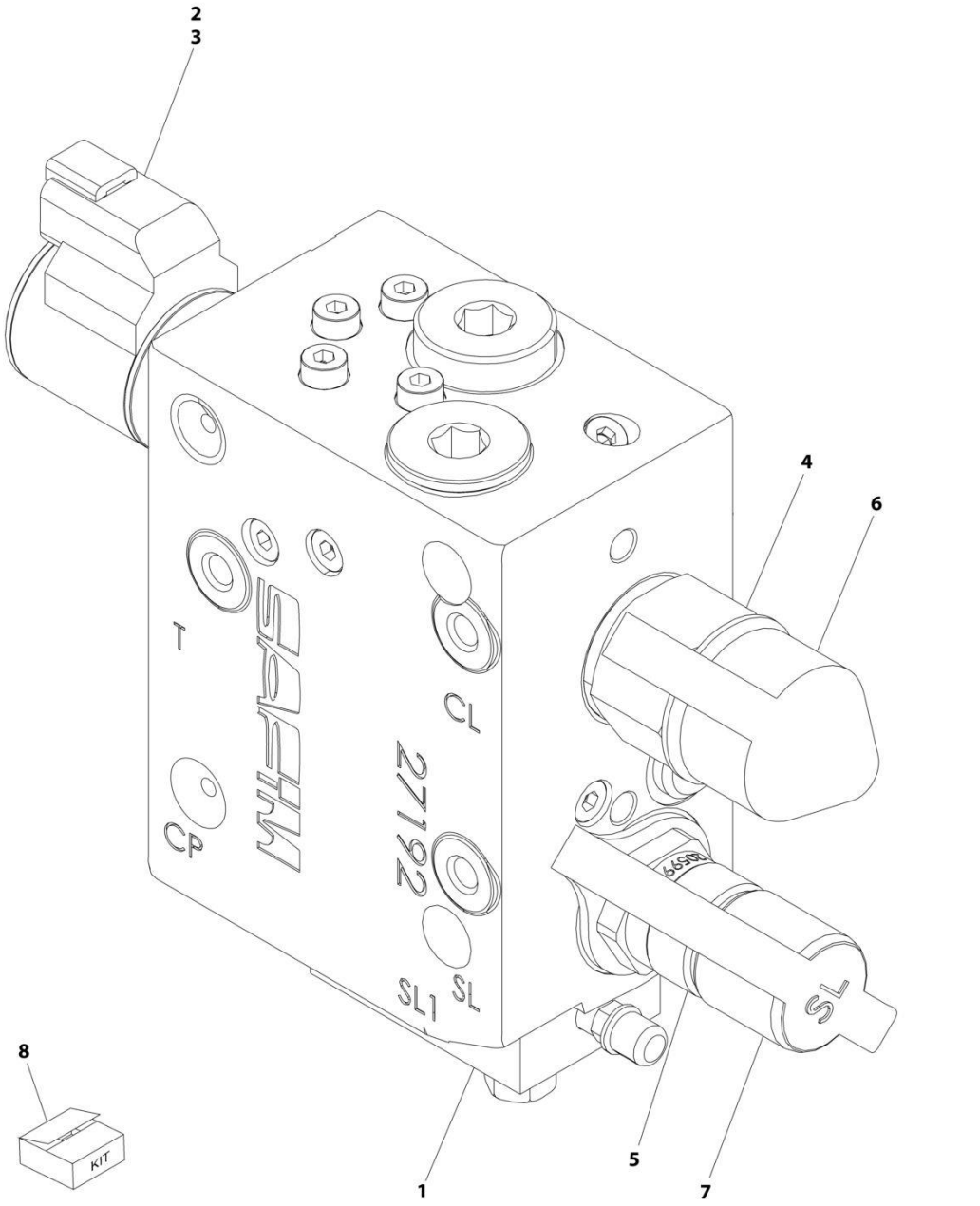
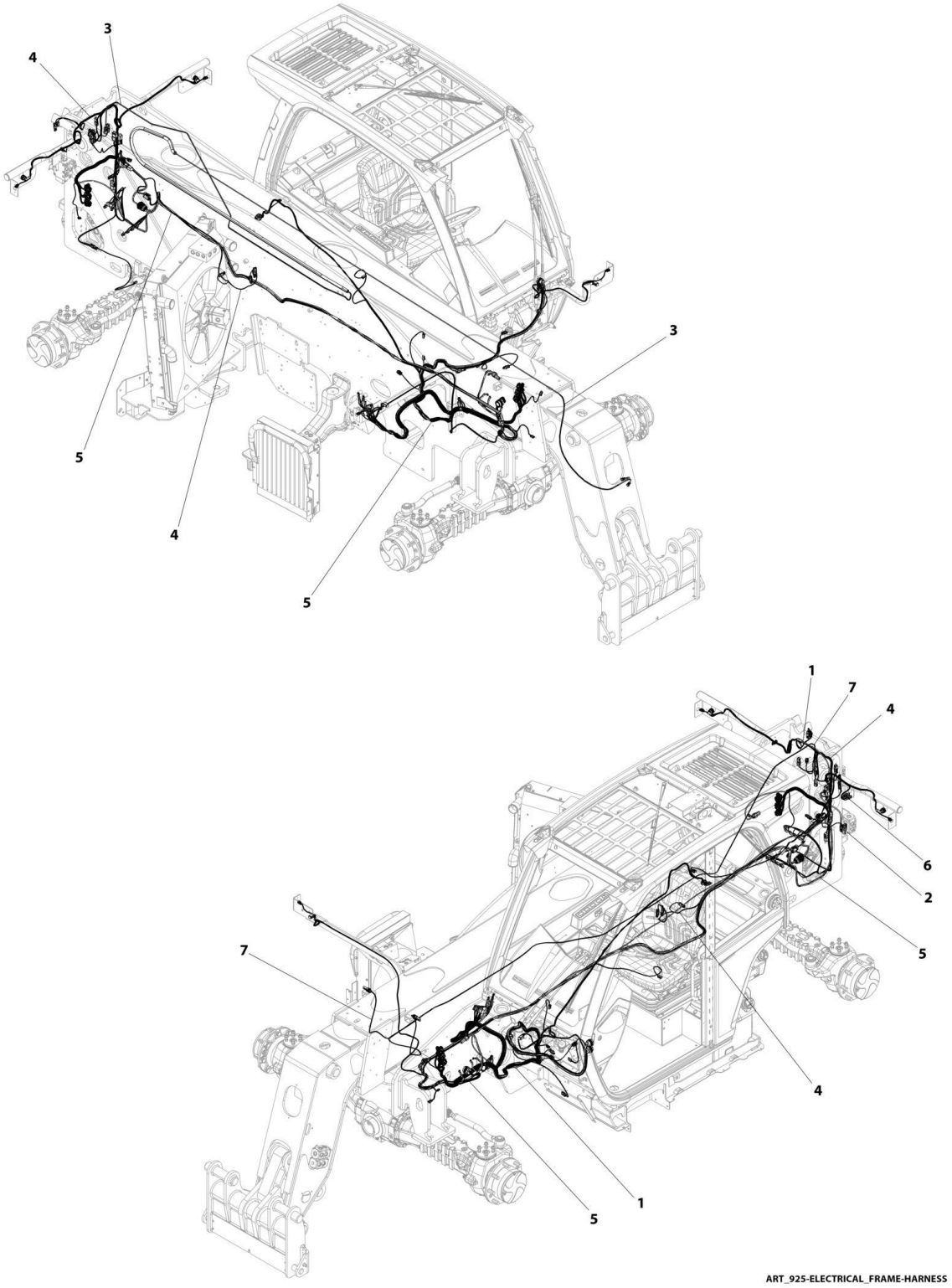


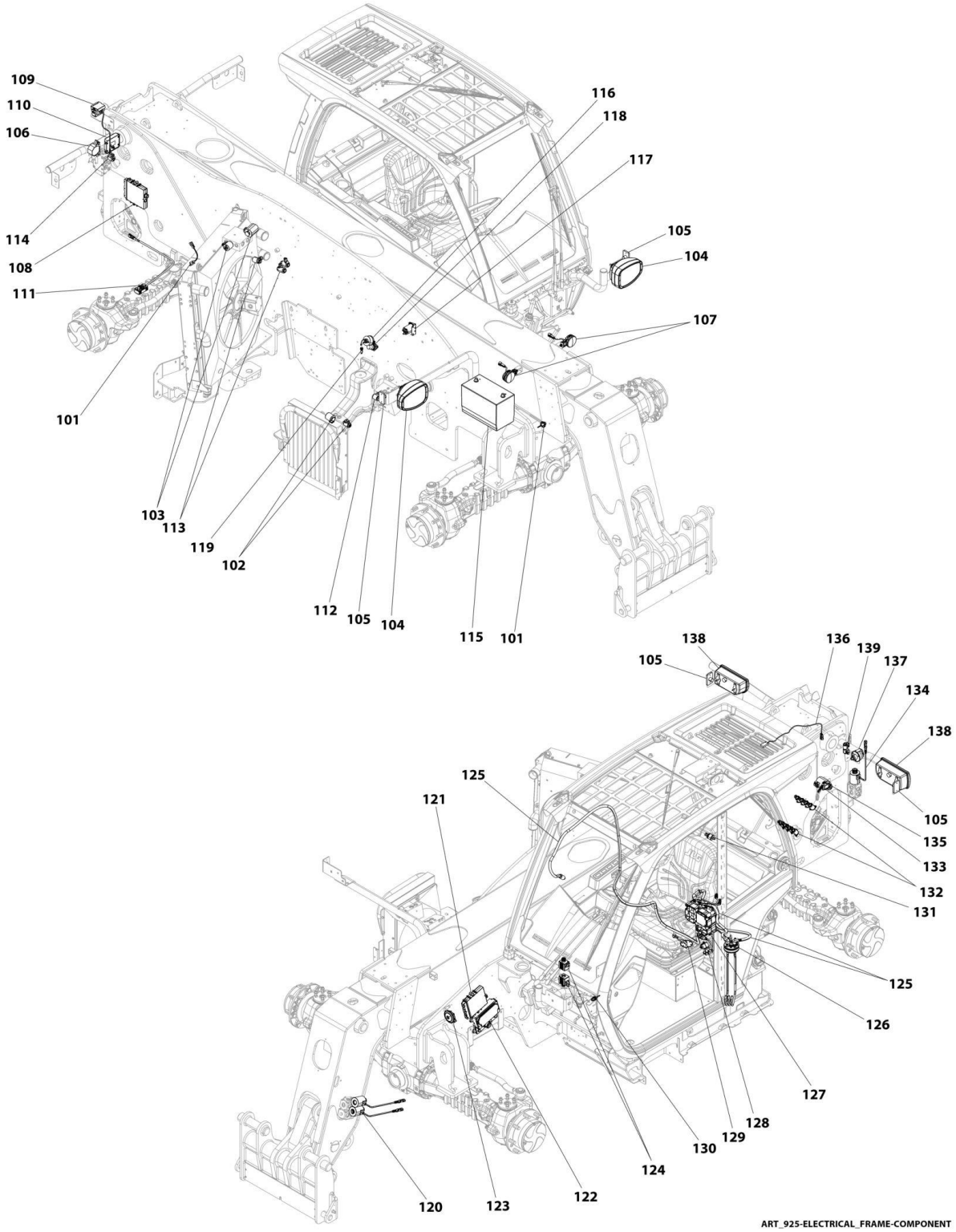
FIGURE 9-21. VALVE ASSEMBLY - TRAILER BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230194	Ref	TRAILER BRAKE VALVE	A
1	70028868	1	Pilot Group	
2	70028869	1	Solenoid Valve with Coil	
3	70028870	1	Coil	
4	70028871	1	Coupling, CL	
5	70028872	1	Coupling. SL	
6	70028873	1	Cap, CL	
7	70028874	1	Cap, SL	
8	70028875	1	Seal Kit (Includes Items 101-112)	
101	Kit	1	Cap Bleeding Screw	
102	Kit	1	Quadring Pilot Block	
103	Kit	10	Seal	
104	Kit	1	Seal	
105	Kit	1	Seal	
106	Kit	1	Seal	
107	Kit	1	Seal	
108	Kit	1	Seal	
109	Kit	1	Seal	
110	Kit	1	Seal	
111	Kit	1	Anti Extrusion	
112	Kit	1	Anti Extrusion	

SECTION 10 - ELECTRICAL

FIGURE 10-1. 832 ELECTRICAL LAYOUT

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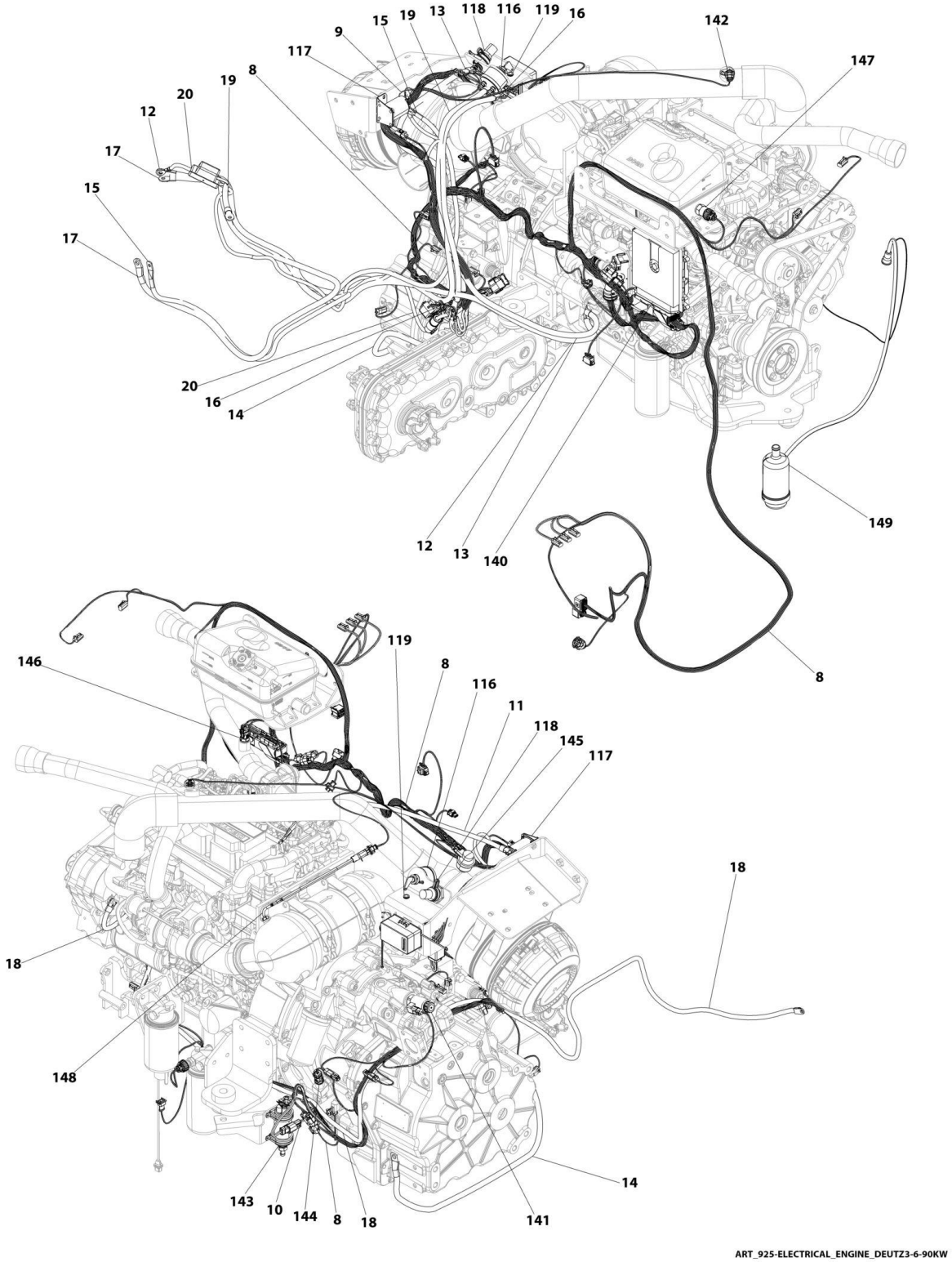
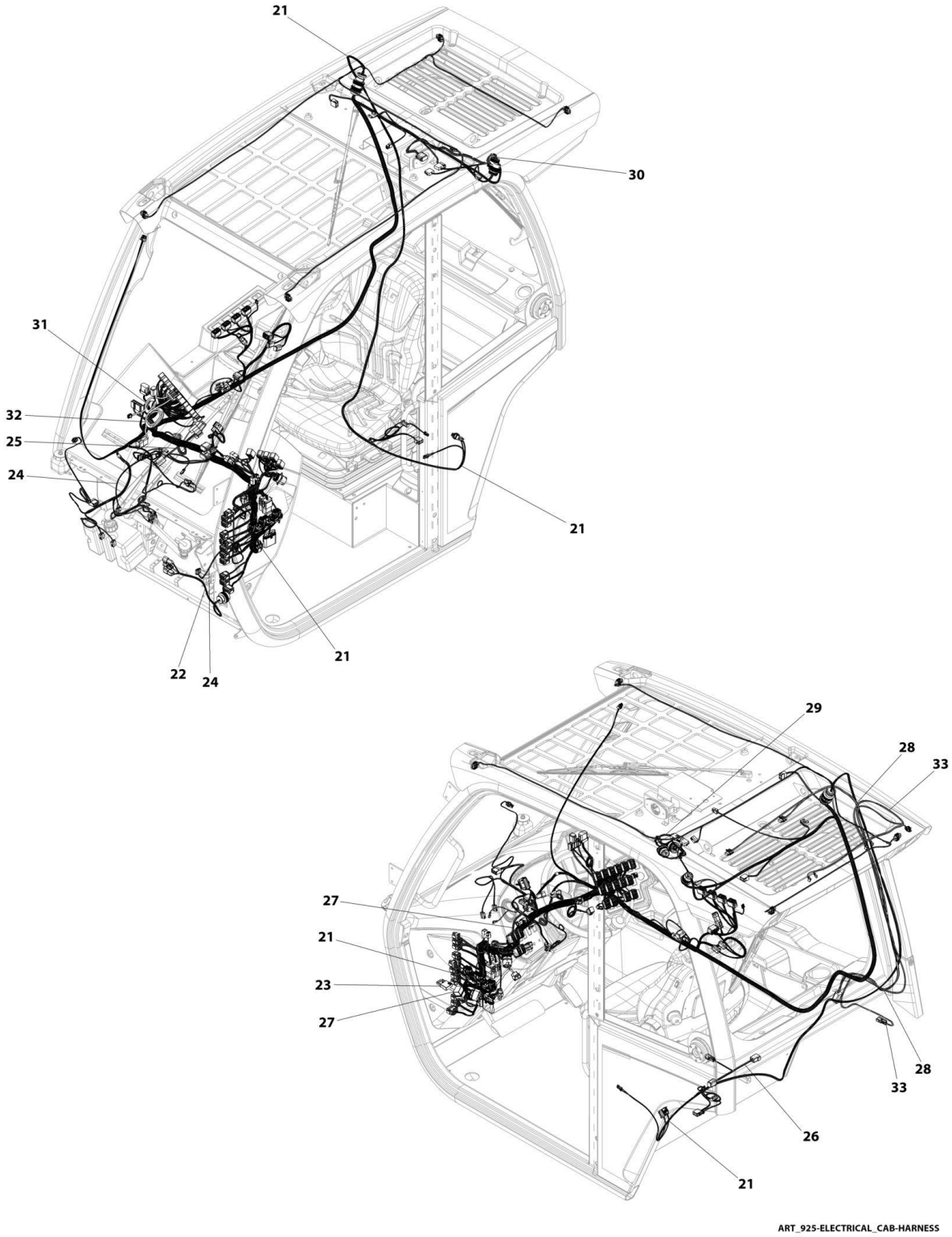
SECTION 10 - ELECTRICAL

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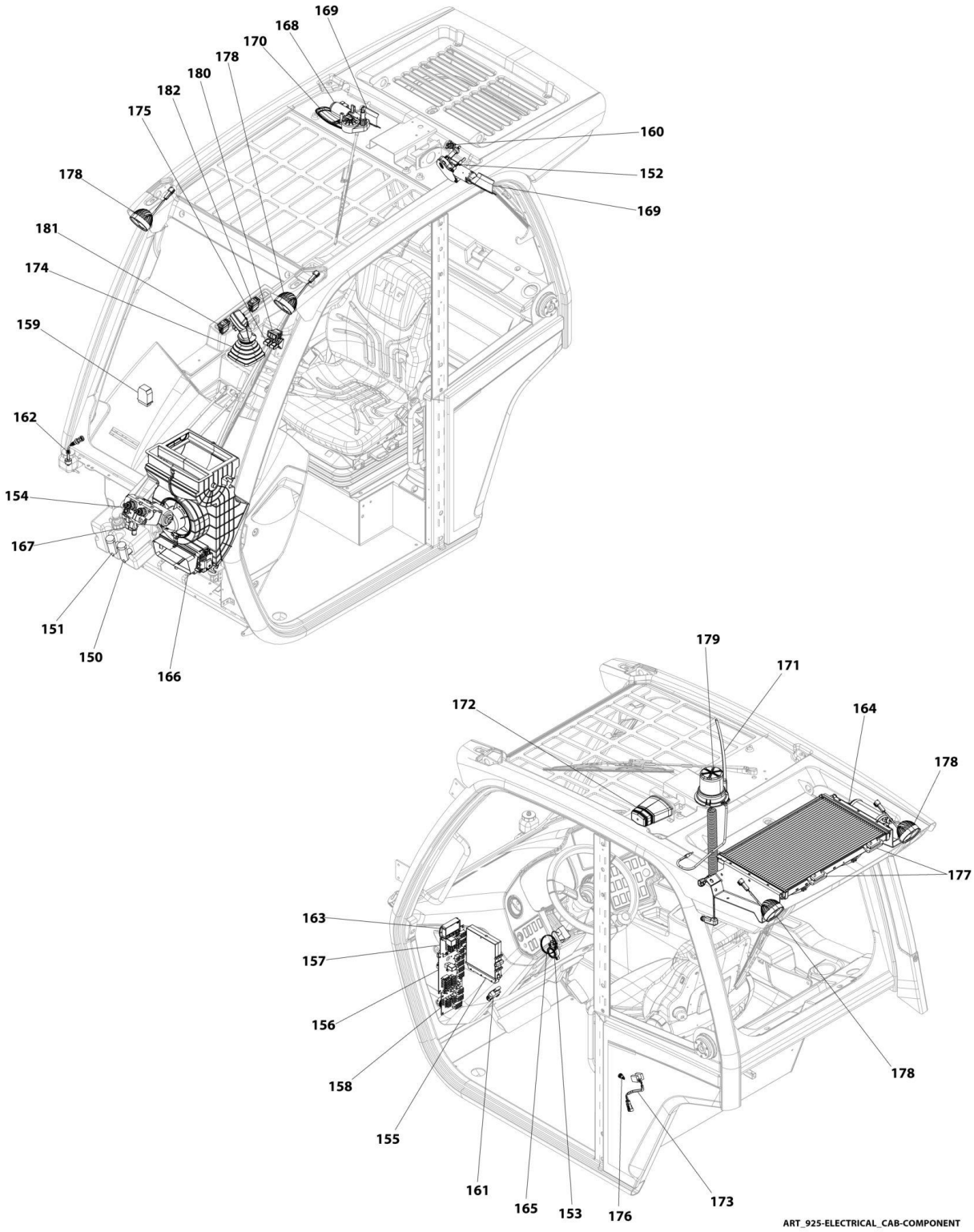
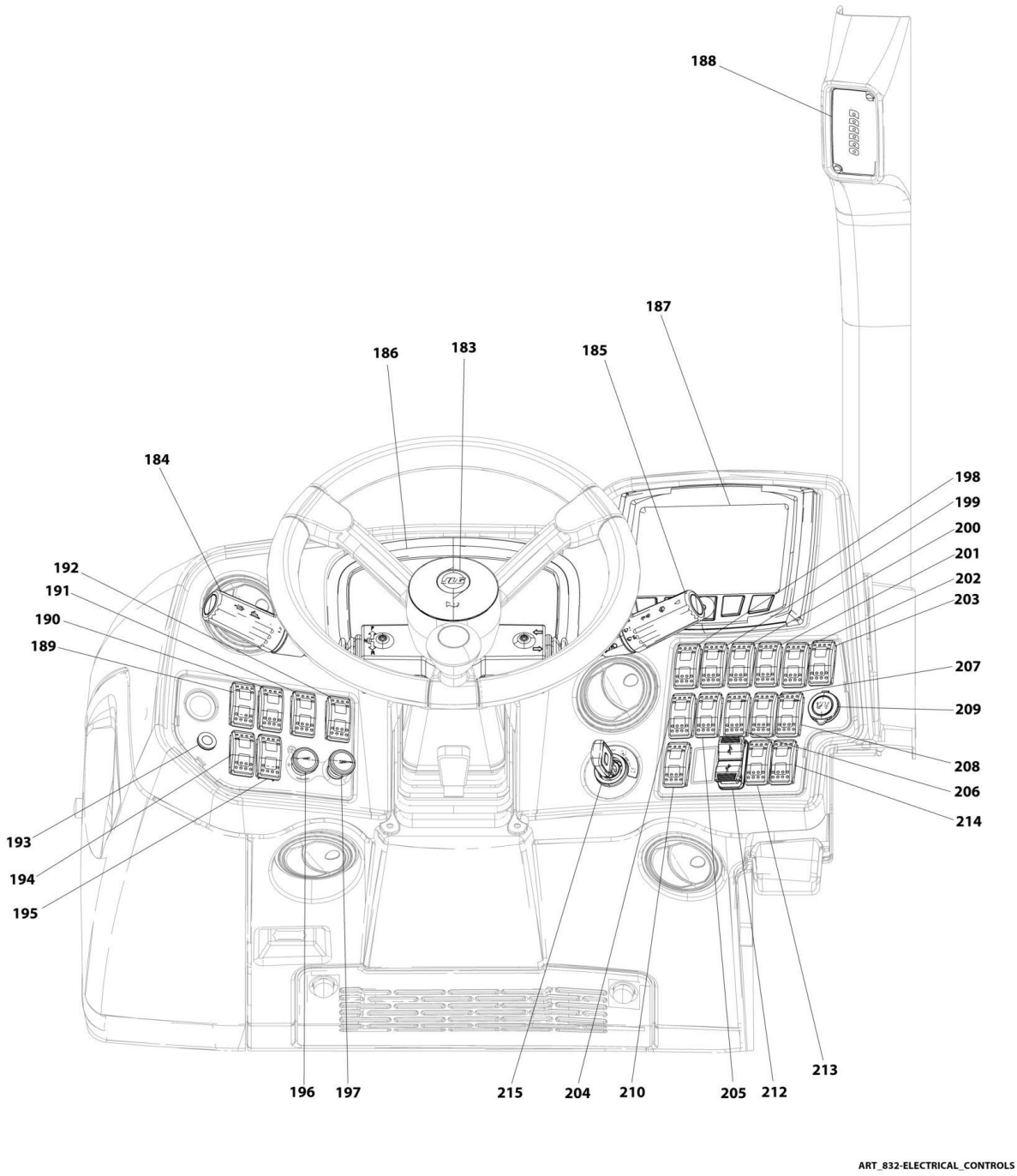
SECTION 10 - ELECTRICAL





ART_832-ELECTRICAL_CONTROLS

FIGURE 10-1. 832 ELECTRICAL LAYOUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: This figure is for identifying part location only.	
		Ref	HARNESS LIST	
1		Ref	Cable, Reverse Camera	
2		Ref	Harness, Reverse Sensor	
3		Ref	Harness, Boom	
4		Ref	Harness, Rear Frame	
5		Ref	Harness, Front Frame	
6		Ref	Harness, Trailer Connector	
7		Ref	Harness, Boom Worklights	
8		Ref	Harness, Engine	
9		Ref	Harness, Glow Plug Relay to Engine Harness	
10		Ref	Harness, Fuel Pump	
11		Ref	Cable, Glow Plug to Relay	
12		Ref	Cable, Battery (+) to Starter	
13		Ref	Cable, Starter to Jump Start Stud	
14		Ref	Cable, Ground Buss to Engine Ground	
15		Ref	Cable, PDM to Glow Plug Relay	
16		Ref	Cable, Disonnect to Ground Buss	
17		Ref	Cable, Battery (+) to PDM	
18		Ref	Cable, Alternator Power	
19		Ref	Cable, Battery (-) to Disconnect	
20		Ref	Cable, ECM Power	
21		Ref	Harness, Cab	
22		Ref	Harness, Cab Option	
23		Ref	Cable, Communication Analyzer	
24		Ref	Harness, HVAC Actuator	
25		Ref	Harness, Ignition Switch	
26		Ref	Harness, Seat Adaptor	
27		Ref	Harness, Seat Belt Alarm	
28		Ref	Harness, A/C Option	
29		Ref	Harness, Telematics Ready	
30		Ref	Harness, Telematics	
31		Ref	Cable, Display Programming	
32		Ref	Cable, Display Video	
33		Ref	Harness, License Plate Light	
		Ref	COMPONENT LIST	
101		Ref	Sensor, Steer	
102		Ref	Solenoids, Hydraulic Cooling Fan	
103		Ref	Solenoids, Engine Cooling Fan	
104		Ref	Headlight	
105		Ref	Light, Side Marker	
106		Ref	Alarm, Backup	
107		Ref	Worklights	
108		Ref	Module, Rear Frame	
109		Ref	Camera, Reverse	
110		Ref	Sensor, Reverse	
111		Ref	Sensor, Rear Axle	
112		Ref	Solenoids, Priority Valve	
113		Ref	Solenoids, Ride Control Valve	
114		Ref	Solenoid, Trailer Brake Valve	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
115		Ref	Battery	
116		Ref	Switch, Battery Disconnect	
117		Ref	Relay	
118		Ref	Battery Jump Start Stud	
119		Ref	Light, DEF Purge Indicator	
120		Ref	Solenoids, Boom Quick Switch Valve	
121		Ref	Module, Front Frame	
122		Ref	Box, Power Distribution Electrical	
123		Ref	Horn	
124		Ref	Solenoids, Steer Select Valve	
125		Ref	Hose, Heated (DEF)	
126		Ref	Module, DEF Tank	
127		Ref	Pump, DEF Module	
128		Ref	Solenoids, Def Tank	
129		Ref	Fuel Pump	
130		Ref	Sensor, Hydraulic Oil Temperature	
131		Ref	Switch, Hydraulic Oil Pressure	
132		Ref	Solenoids, Main Control Valve	
133		Ref	Sensor, Boom Angle	
134		Ref	Solenoid, Rear Aux Divertor Valve	
135		Ref	Solenoids, Hi-Flow Divertor Valve	
136		Ref	Sensor, Proximity	
137		Ref	Connector, Electrical (Trailer)	
138		Ref	Taillight	
139		Ref	Solenoids, Hitch Control Valve	
140		Ref	Module, Engine Control	
141		Ref	Solenoid, Implement Pump	
142		Ref	Sensor, Ambient Air Temperature	
143		Ref	Fuel Pump	
144		Ref	Sensor, Temperature	
145		Ref	Sensor, Air Restriction	
146		Ref	Sensor, Engine Coolant Temperature	
147		Ref	Sensor, Coolant Level	
148		Ref	Sensor, Temperature	
149		Ref	Heater, Engine Block	
150		Ref	Pump, Windshield Washer	
151		Ref	Pump, Rear Window Washer	
152		Ref	Motor, Rear Wiper	
153		Ref	Sensor, Throttle	
154		Ref	Motor, Front Wiper	
155		Ref	Module, Cab	
156		Ref	Electrical Board, Standard	
157		Ref	Electrical Board, Option 1	
158		Ref	Electrical Board, Option 2	
159		Ref	Module, Wipers	
160		Ref	Plug, 12V Power	
161		Ref	Sensor, Brake	
162		Ref	Sensor, Brake Fluid Level	
163		Ref	HVAC Actuator	
164		Ref	Assembly, Cab Condenser	
165		Ref	Sensor, HVAC Thermostat	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
166		Ref	Assembly, Heater & A/C	
167		Ref	Valve, HVAC	
168		Ref	Motor, Roof Wiper	
169		Ref	Speakers	
170		Ref	Lamp, Dome	
171		Ref	Antenna, Radio	
172		Ref	Module, ClearSky Telematics	
173		Ref	Sensor, Parking Brake	
174		Ref	Joystick	
175		Ref	Control, Fingertip Joystick	
176		Ref	Switch, Trailer Brake	
177		Ref	Light, License Plate	
178		Ref	Worklights	
179		Ref	Beacon	
180		Ref	Switch, Hitch Up/Down	
181		Ref	Switch, Transmission Disconnect	
182		Ref	Switch, Engine Speed Set	
183		Ref	Horn	
184		Ref	Lever, Transmission Control	
185		Ref	Lever, Accessory Control	
186		Ref	Instrument Panel	
187		Ref	Multifunction Display	
188		Ref	Display, LSI	
189		Ref	Switch, Lift/Loader	
190		Ref	Switch, Continuous Auxiliary Hydraulic	
191		Ref	Switch, Air Conditioning	
192		Ref	Switch, HVAC Recirculation	
193		Ref	Light, Seat Belt Indicator	
194		Ref	Switch, LSI Override	
195		Ref	Switch, Coupler	
196		Ref	HVAC Fan Speed	
197		Ref	Switch, HVAC Temperature Control	
198		Ref	Switch, Fog Lights	
199		Ref	Switch, Front Work Lights	
200		Ref	Switch, Boom Work Lights	
201		Ref	Switch, Rear Work Lights	
202		Ref	Switch, Beacon Light	
203		Ref	Switch, Hazard Lights	
204		Ref	Switch, Rear Wiper	
205		Ref	Switch, Roof Wiper	
206		Ref	Switch, Bucket Mode	
207		Ref	Switch, Boom Ride Control	
208		Ref	Switch, Auxiliary Decompression	
209		Ref	Power Outlet	
210		Ref	Switch, Steer Select	
212		Ref	USB Port	
213		Ref	Switch, Reversing Fan	
214		Ref	Switch, Master Light and Road Lights	
215		Ref	Switch, Ignition	

FIGURE 10-2. BATTERY INSTALLATION (STANDARD)

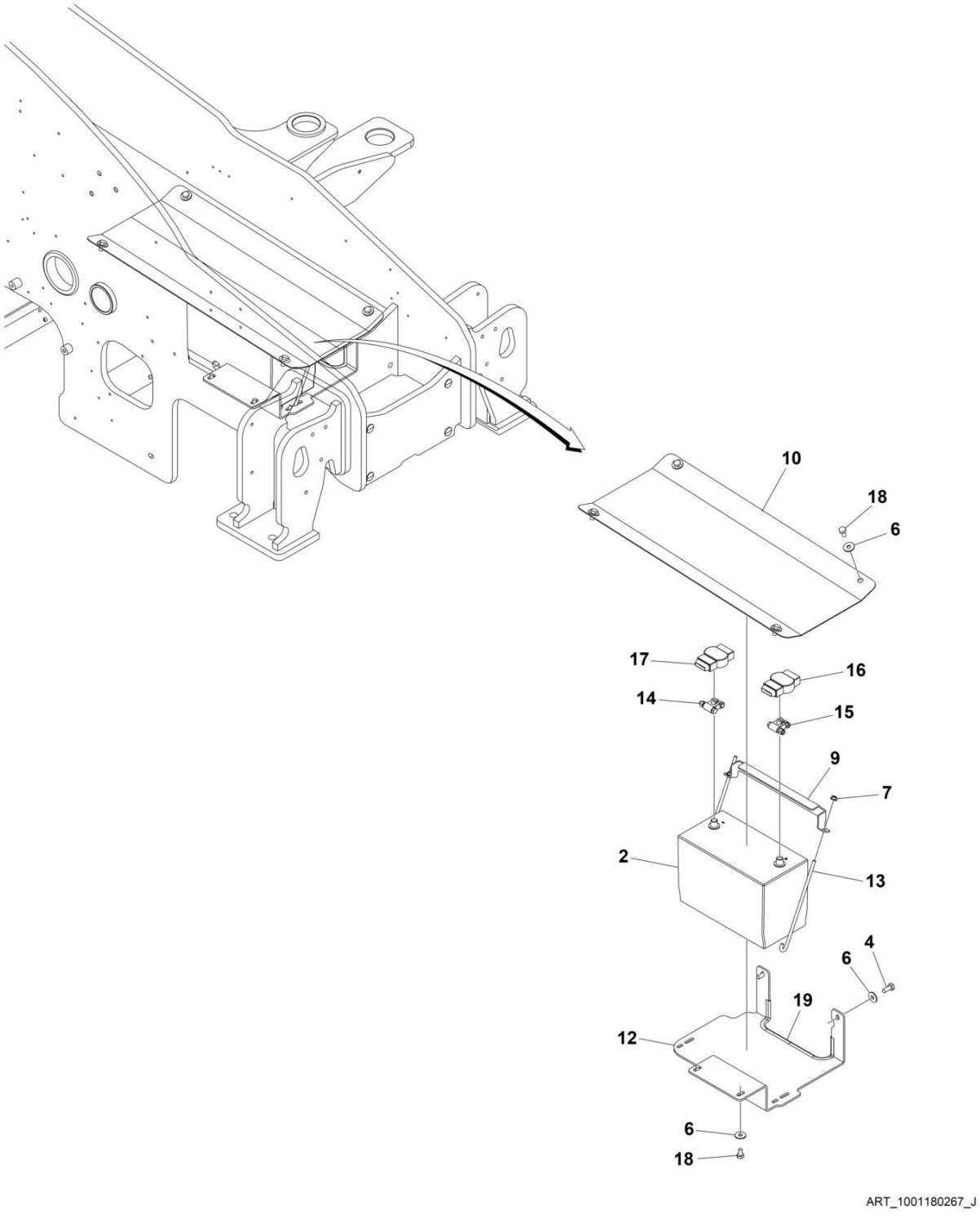


FIGURE 10-2. BATTERY INSTALLATION (STANDARD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180267	Ref	BATTERY INSTALLATION (STANDARD)	J
2	0400075	1	Battery, 12V	
4	0761012	2	Bolt M10 x 25	
6	4812002	8	Washer M10	
7	5220800	2	Nut M8	
9	1001141596	1	Plate	
10	1001179221J	1	Cover	
12	1001217179	1	Tray	
13	1001179586	2	J-Bolt	
14	8270147	1	Clamp	
15	8270148	1	Clamp	
16	7301893	1	Insulator, Battery Terminal	
17	1001145300	1	Insulator, Battery Terminal	
18	0761009	6	Bolt M10 x 18	
19	1001208037	1	Seal	

FIGURE 10-3. BATTERY INSTALLATION (DUAL)

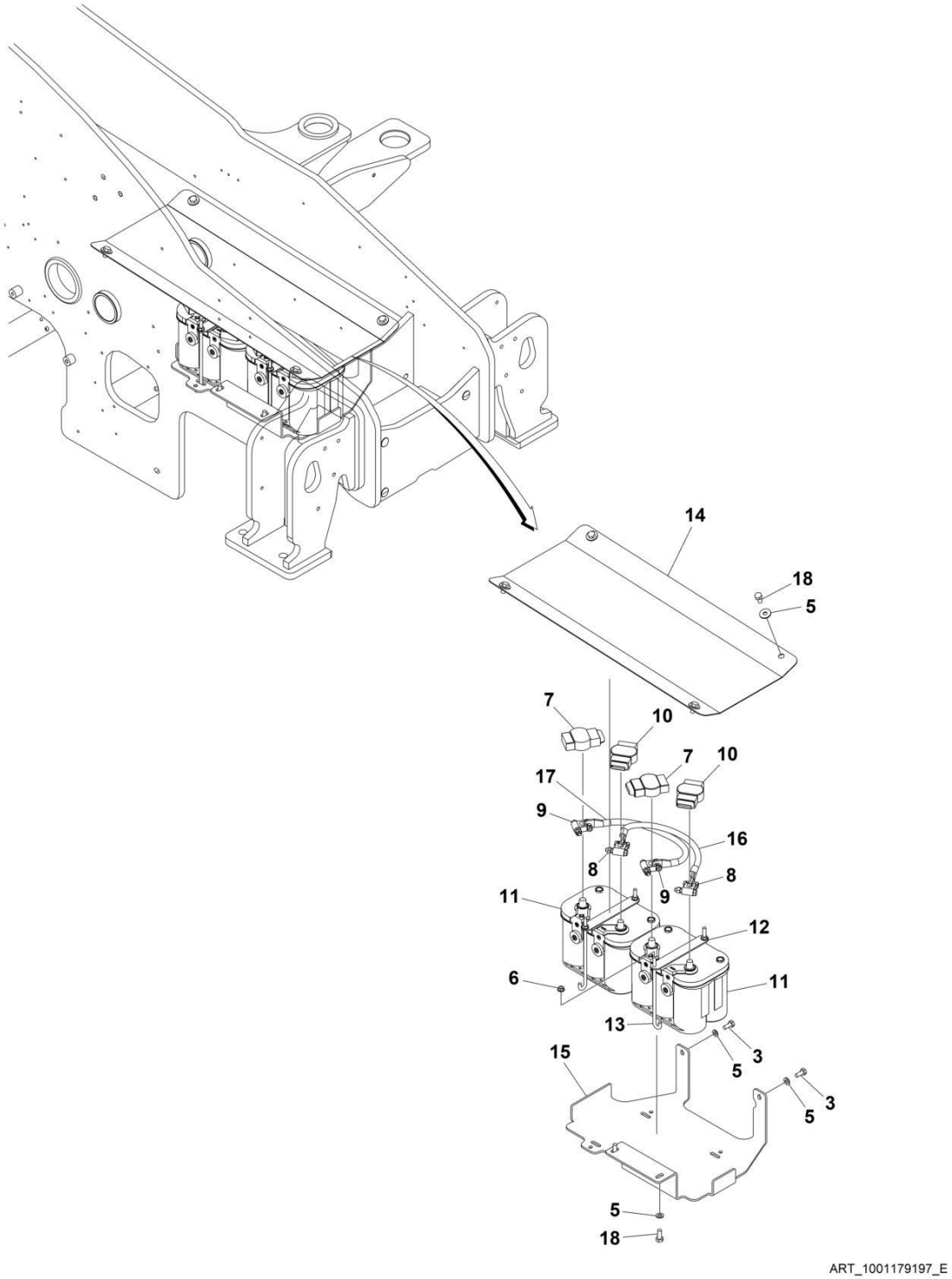


FIGURE 10-3. BATTERY INSTALLATION (DUAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179197	Ref	BATTERY INSTALLATION (DUAL)	E
3	0761012	2	Bolt M10 x 25	
5	4812002	8	Washer M10	
6	5220800	4	Nut M8	
7	7301893	2	Insulator, Battery Terminal	
8	8270147	2	Clamp	
9	8270148	2	Clamp	
10	1001145300	2	Insulator, Battery Terminal	
11	1001167212	2	Battery	
12	1001179585	2	Bracket	
13	1001179586	4	Bolt	
14	1001179221J	1	Cover	
15	1001230622	1	Tray	
16	1001189339	1	Cable	
17	1001189338	1	Cable	
18	0761009	6	Bolt M10 x 18	
19	1001208037	1	Seal (Not Shown)	

FIGURE 10-4. BEACON/STROBE INSTALLATION

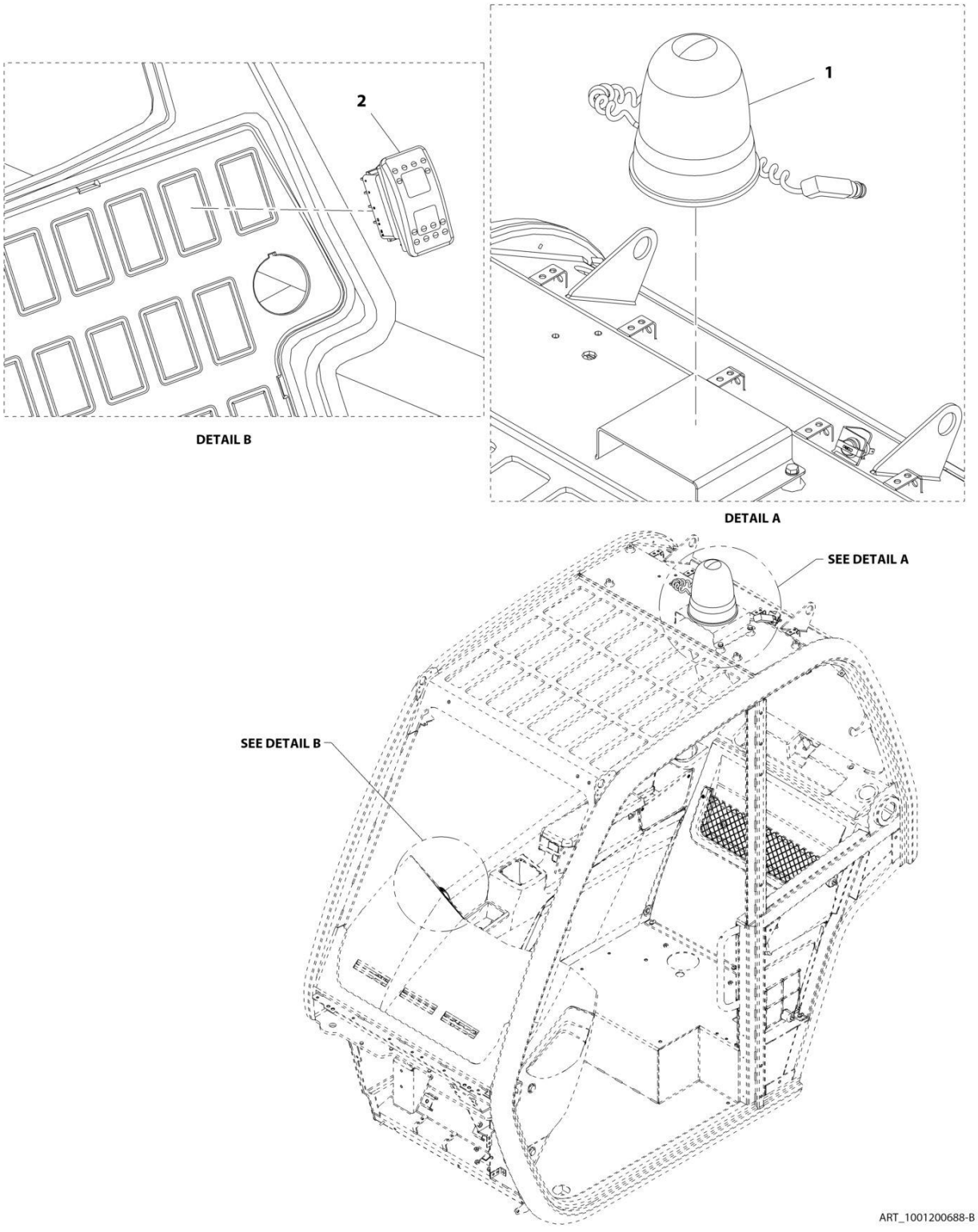
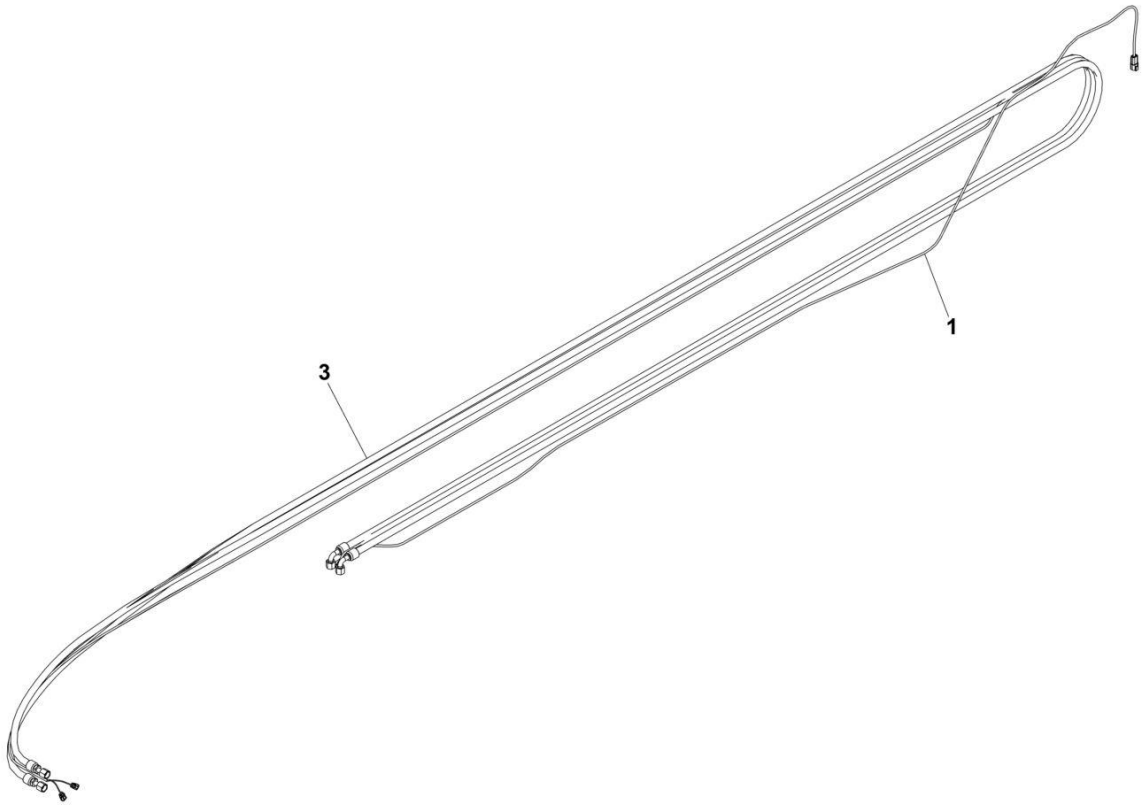


FIGURE 10-4. BEACON/STROBE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200688	Ref	BEACON LIGHT INSTALLATION	B
1	1001217623	1	Light, Warning	
2	1001159738	1	Switch, Beacon	

FIGURE 10-5. BOOM HARNESS INSTALLATION

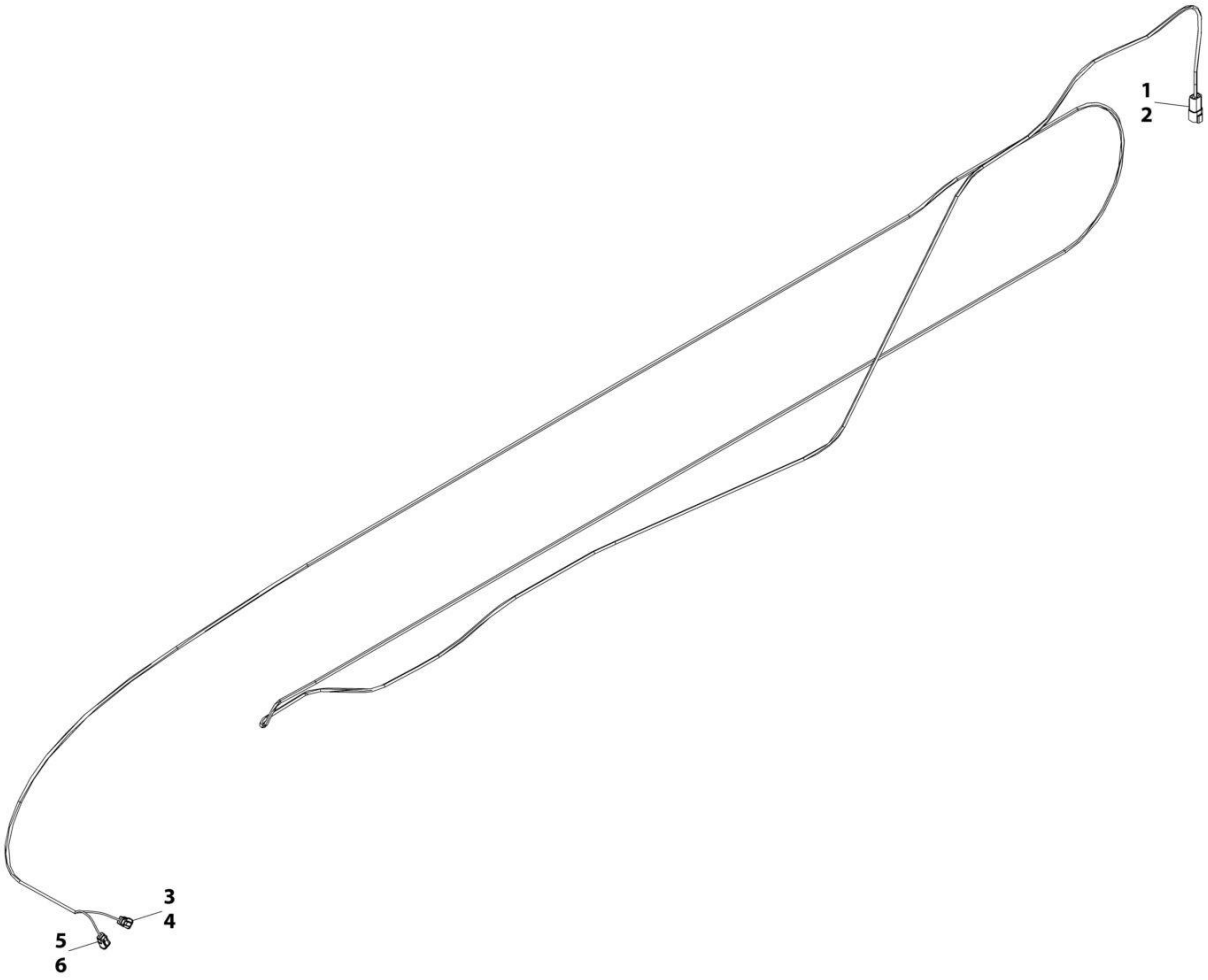


ART_1001186170

FIGURE 10-5. BOOM HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186170	Ref	Boom Cable Assembly	D
1	1001184422	1	Harness, Boom (See Separate Breakdown in ELECTRICAL Section)	
3	1001204124	1	Hose	

FIGURE 10-6. BOOM HARNESS



ART_1001184422-D

FIGURE 10-6. BOOM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184422	Ref	Boom Harness	D
1	4460932	1	Connector	
2	4460464	4	Terminal	
3	4460891	1	Connector	
4	4460465	2	Terminal	
5	4460891	1	Connector	
6	4460465	2	Terminal	

FIGURE 10-7. BOOM ANGLE SENSOR INSTALLATION

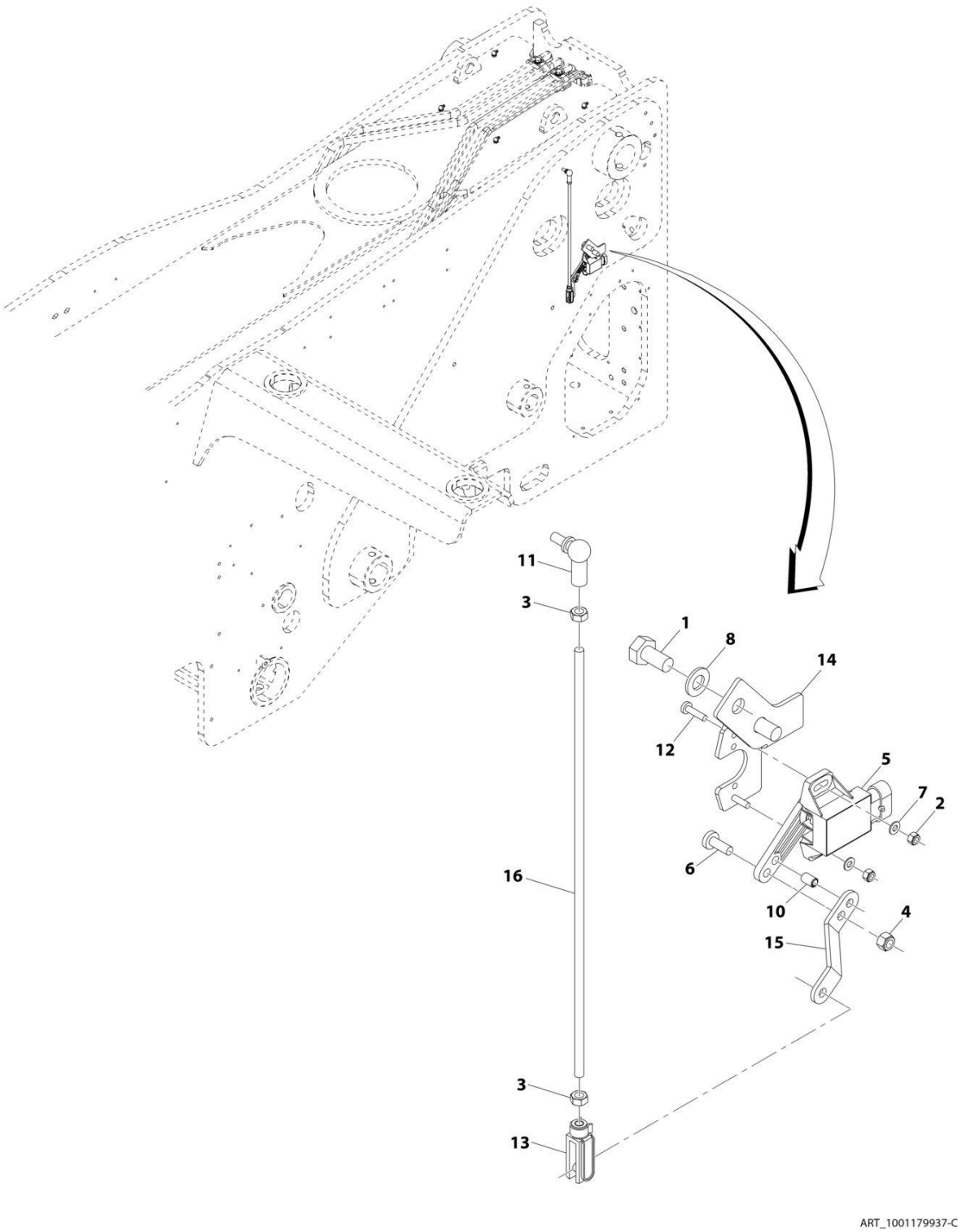


FIGURE 10-7. BOOM ANGLE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179937	Ref	BOOM ANGLE SENSOR INSTALLATION	D
1	0761010	2	Bolt M10 x 20	
2	3290405	2	Nut, Lock M4 x 0.7	
3	3290601	2	Nut M6 x 1	
4	3290605	1	Nut, Lock M6 x 1	
	1001278028	1	Sensor, Boom Angle	
6	4010608	1	Screw M6 x 16	
7	4811400	2	Washer M4	
8	4812000	2	Washer M10	
10	1001103156	1	Pin	
11	1001103300	1	Ball, Joint	
12	1001126837	2	Screw M4 x 16	
13	1001134274	1	Clevis	
14	1001187851	1	Bracket	
15	1001187852	1	Link	
16	1001187853	1	Rod	

FIGURE 10-8. BOOM RETRACT SENSOR INSTALLATION

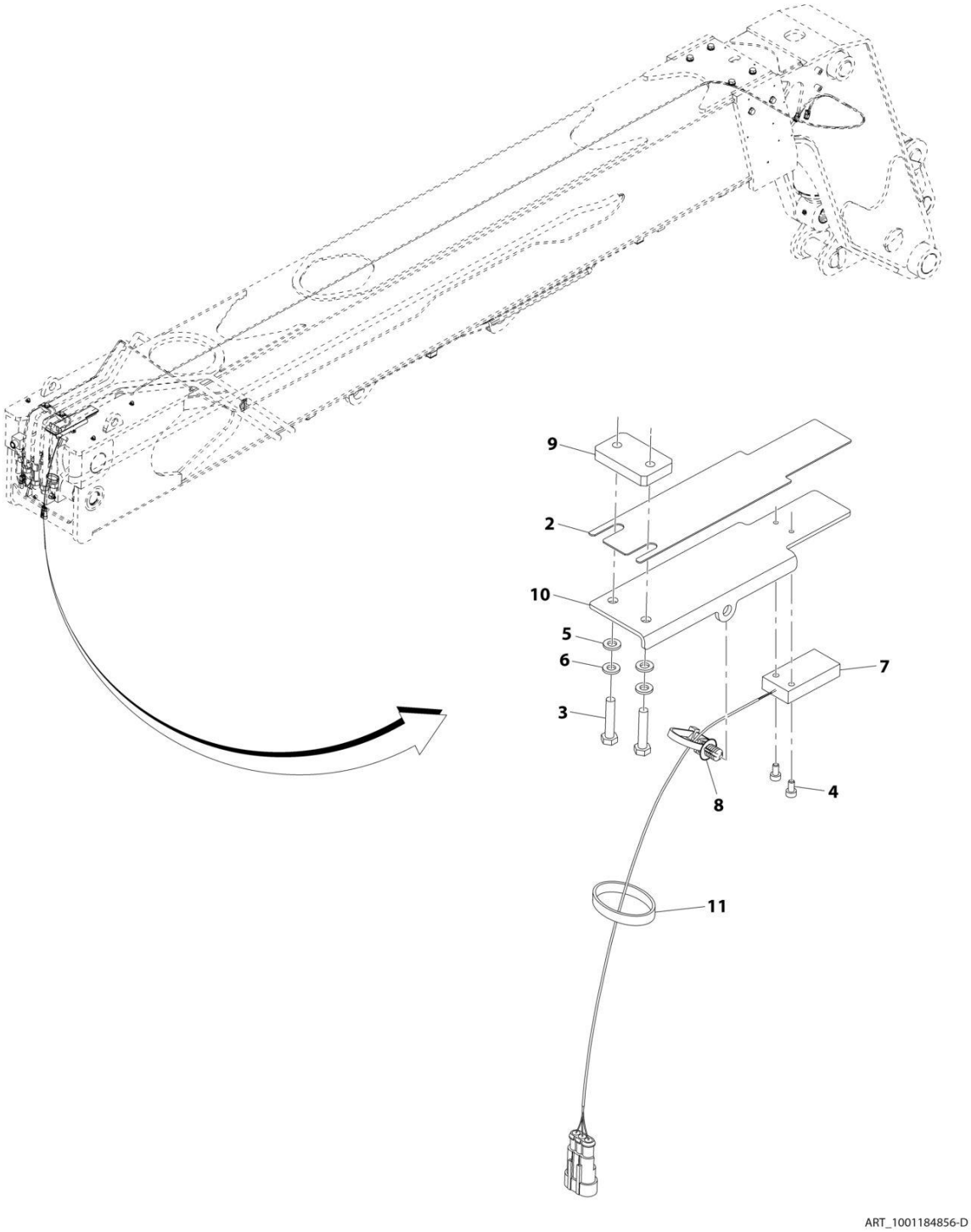


FIGURE 10-8. BOOM RETRACT SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184856	Ref	Boom Retract Sensor Installation	D
2	1001199299	AR	Shim, Retract Sensor	
3	0760614	2	Bolt, M6X30	
4	4031504	2	Screw, M4X8	
5	4811700	2	Washer, M6	
6	4831700	2	Washer, Lock M6	
7	1001121021	1	Sensor, Proximity	
8	1001146588	1	Strap, Cable	
9	1001182049	1	Plate	
10	1001218495	1	Bracket	
11	1001008923	1	Strap, Cable	

FIGURE 10-9. CAB ELECTRICAL INSTALLATION

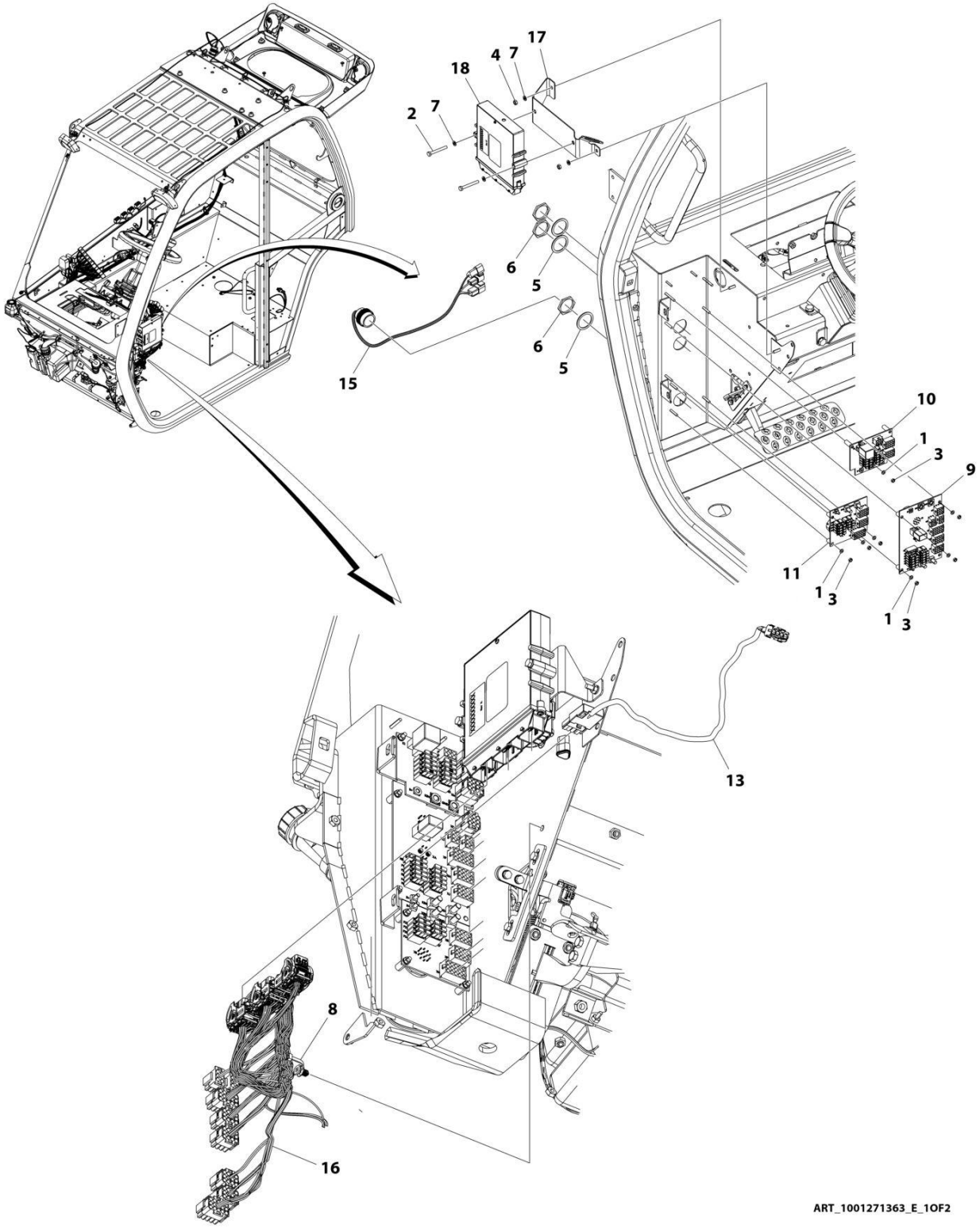


FIGURE 10-10. CAB ELECTRICAL INSTALLATION

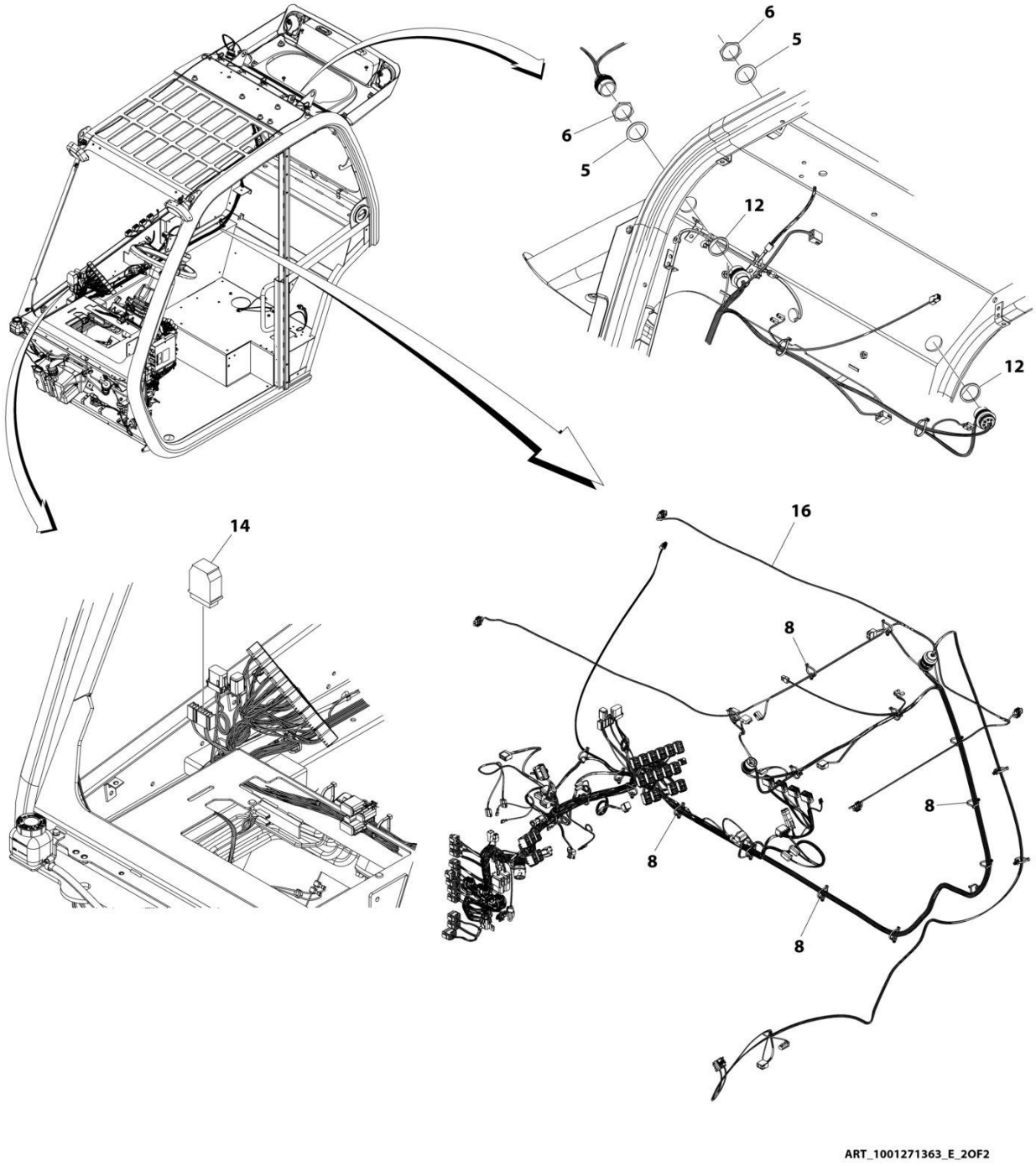


FIGURE 10-10. CAB ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001271363	Ref	CAB ELECTRICAL INSTALLATION	E
1	120034	7	Washer, Plastic	
2	0700618	2	Bolt M6 x 50	
3	3290501	7	Nut M5	
4	3290601	2	Nut M6	
5	4460496	5	Washer, Terminal Lock	
6	4460497	5	Nut, Terminal	
7	4811700	4	Washer M6	
8	1001146588	23	Strap, Cable Tie	
9	1001161769	1	Assembly, Standard Electrical Board (See Separate Breakdown in this Section)	
10	1001161770	1	Assembly, Option 1 Electrical Board (See Separate Breakdown in this Section)	
11	1001161771	1	Assembly, Option 2 Electrical Board (See Separate Breakdown in this Section)	
12	1001211693	2	Seal	
13	1001213988	1	Cable, Communication Analyzer	
14	1001214281	1	Module, Wipers	
15	1001265358	1	Harness, Cab Option LBP (See Separate Breakdown in this Section)	
16	1001285007	1	Harness, Cab (See Separate Breakdown in this Section)	
17	1001270180	1	Bracket	
18	1001270466	1	Module, Cab Control	

FIGURE 10-11. CAB HARNESS

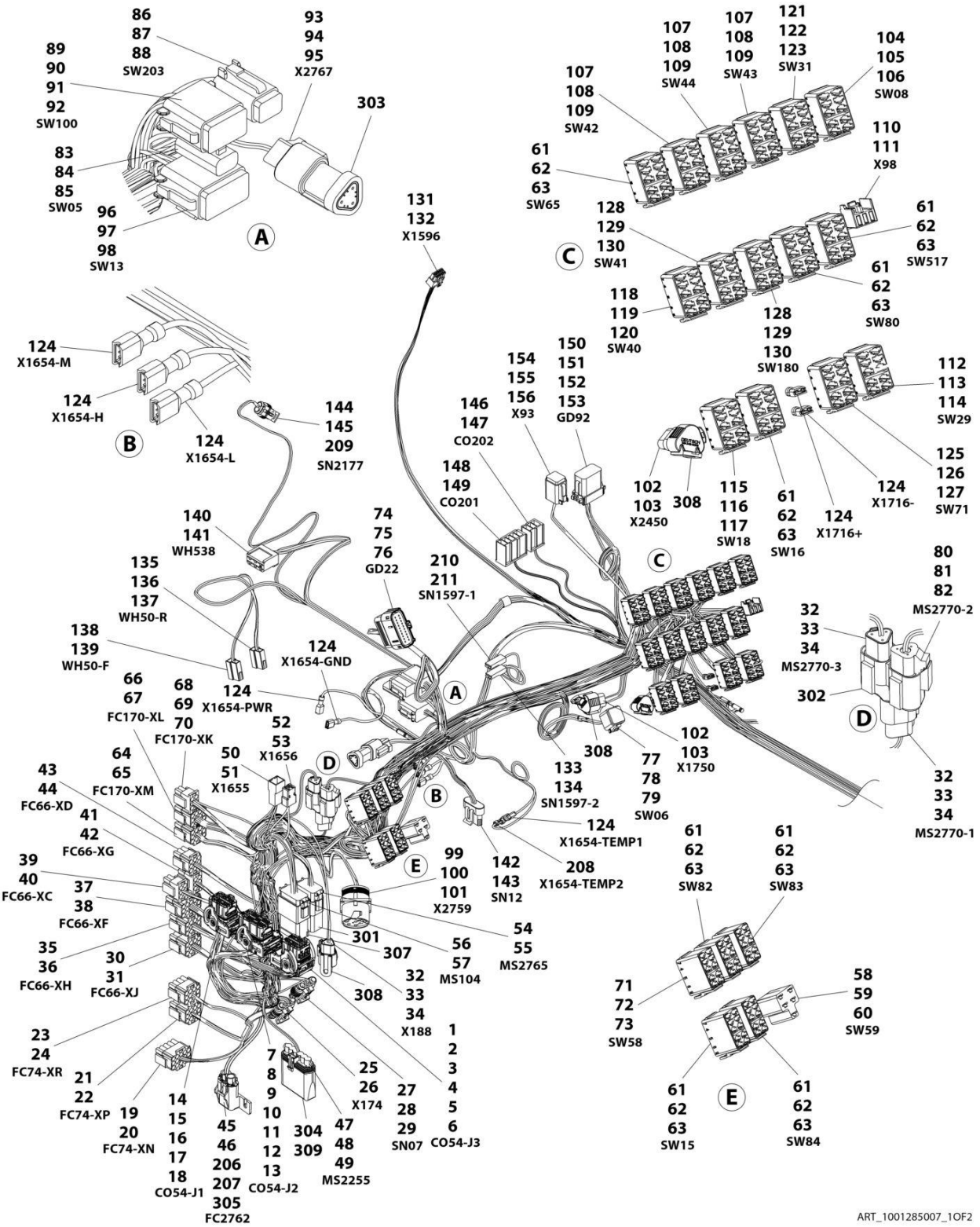


FIGURE 10-12. CAB HARNESS

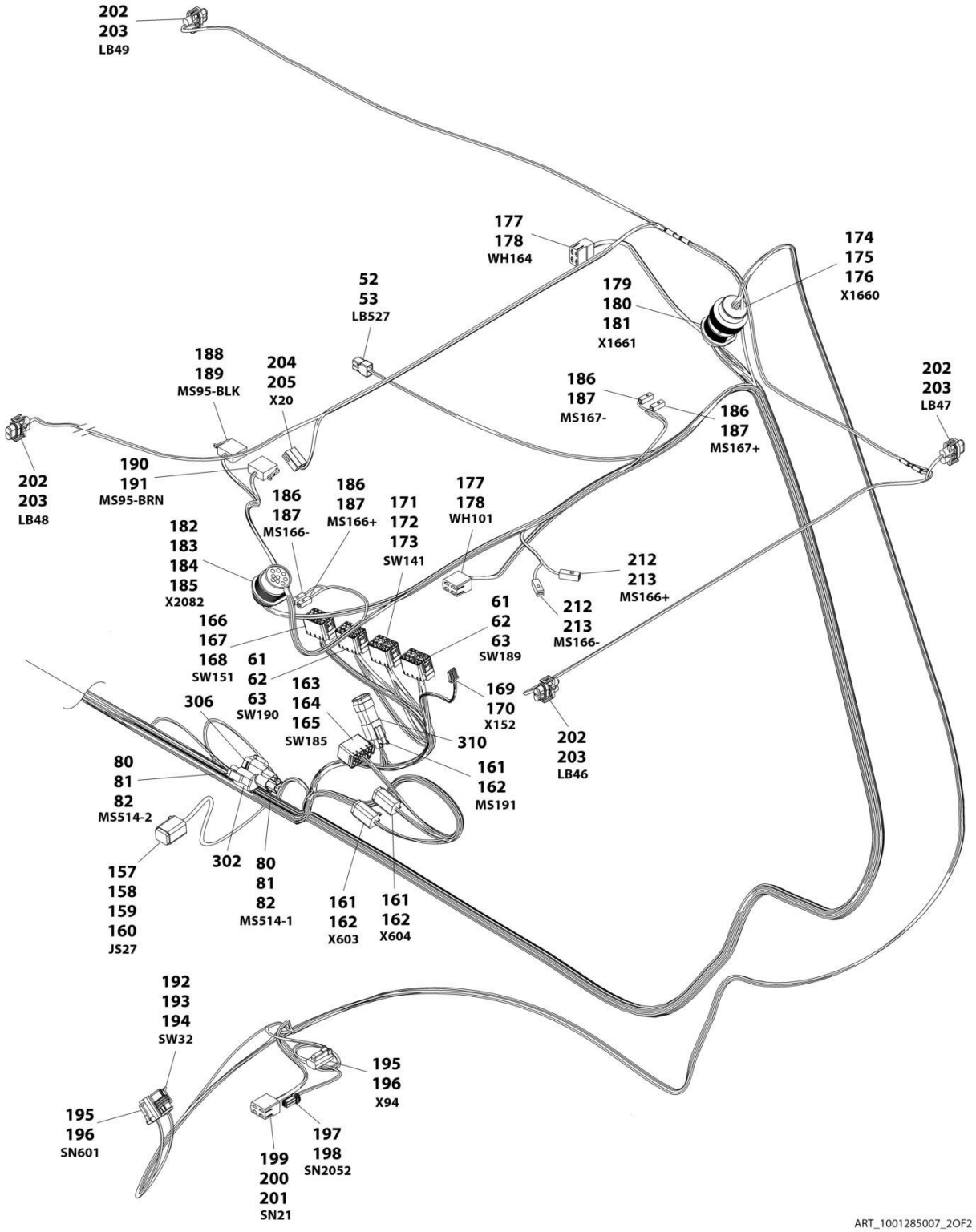


FIGURE 10-12. CAB HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285007	Ref	CAB HARNESS	C
1	1001161959	1	Connector	
2	1001161095	12	Terminal	
3	1001161097	7	Terminal	
4	1001161098	2	Terminal	
5	1001161100	4	Plug, Terminal	
6	1001161101	7	Plug, Terminal	
7	1001160502	1	Connector	
8	1001161095	25	Terminal	
9	1001161097	1	Terminal	
10	1001161098	5	Terminal	
11	1001161099	1	Terminal	
12	1001161100	13	Plug, Terminal	
13	1001161101	2	Plug, Terminal	
14	1001160498	1	Connector	
15	1001161095	24	Terminal	
16	1001161098	6	Terminal	
17	1001161099	1	Terminal	
18	1001161101	1	Plug, Terminal	
19	4460434	1	Connector	
20	4460268	5	Terminal	
21	4460343	1	Connector	
22	4460268	6	Terminal	
23	4460343	1	Connector	
24	4460267	4	Terminal	
25	4461262	1	Connector	
26	1001107854	3	Terminal	
27	1001103012	1	Connector	
28	1001116697	2	Terminal	
29	1001116698	2	Plug, Terminal	
30	4460343	1	Connector	
31	4460267	11	Terminal	
32	1001116812	3	Connector	
33	4460944	6	Terminal	
34	4460466	3	Plug, Terminal	
35	4460343	1	Connector	
36	4460268	9	Terminal	
37	4460434	1	Connector	
38	4460268	14	Terminal	
39	4460225	1	Connector	
40	4460267	3	Terminal	
41	4460225	1	Connector	
42	4460268	5	Terminal	
43	4460265	1	Connector	
44	4460268	7	Terminal	
45	1001231397	1	Connector	
46	1001231399	1	Terminal	
47	4460744	1	Connector	
48	4460746	4	Terminal	
49	1001116727	2	Plug, Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001116999	1	Connector	
51	1001116700	4	Terminal	
52	1001116991	2	Connector	
53	1001118384	4	Terminal	
54	4460930	1	Connector	
55	4460465	8	Terminal	
56	4460933	1	Connector	
57	4460465	12	Terminal	
58	1001173411	1	Connector	
59	1001116716	2	Terminal	
60	1001104519	5	Terminal	
61	1001117081	10	Connector	
62	1001116723	60	Terminal	
63	1001118384	10	Terminal	
64	4460343	1	Connector	
65	4460267	7	Terminal	
66	4460343	1	Connector	
67	4460267	7	Terminal	
68	4460225	1	Connector	
69	4460267	5	Terminal	
70	4460906	1	Terminal	
71	1001117081	1	Connector	
72	1001116723	4	Terminal	
73	1001118384	2	Terminal	
74	1001162886	1	Connector	
75	1001162887	7	Terminal	
76	1001163340	13	Plug, Terminal	
77	4460894	1	Connector	
78	4460465	3	Terminal	
79	4460466	3	Plug, Terminal	
80	4460539	3	Connector	
81	4460944	6	Terminal	
82	4460466	3	Plug, Terminal	
83	4460897	1	Connector	
84	4460464	2	Terminal	
85	4460466	1	Plug, Terminal	
86	4460884	1	Connector	
87	4460942	2	Terminal	
88	4460466	2	Plug, Terminal	
89	4460836	1	Connector	
90	4460942	3	Terminal	
91	4460465	8	Terminal	
92	4460466	1	Plug, Terminal	
93	4461095	1	Connector	
94	4460465	2	Terminal	
95	4460466	1	Plug, Terminal	
96	4460933	1	Connector	
97	4460465	9	Terminal	
98	4460466	3	Plug, Terminal	
99	1001112612	1	Connector	
100	4460464	6	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460466	3	Plug, Terminal	
102	4460539	2	Connector	
103	4460465	6	Terminal	
104	1001117079	1	Connector	
105	1001116723	6	Terminal	
106	1001118384	2	Terminal	
107	1001117081	3	Connector	
108	1001116723	6	Terminal	
109	1001118384	12	Terminal	
110	1001118684	1	Connector	
111	1001116754	2	Terminal	
112	1001117081	1	Connector	
113	1001116723	10	Terminal	
114	1001118384	1	Terminal	
115	1001117081	1	Connector	
116	1001116723	6	Terminal	
117	1001118384	5	Terminal	
118	1001117081	1	Connector	
119	1001116723	6	Terminal	
120	1001118384	4	Terminal	
121	1001117081	1	Connector	
122	1001223455	1	Terminal	
123	1001118384	7	Terminal	
124	8220051	8	Connector	
125	1001117081	1	Connector	
126	1001116723	8	Terminal	
127	1001118384	2	Terminal	
128	1001117081	2	Connector	
129	1001223455	8	Terminal	
130	1001118384	6	Terminal	
131	1001150735	1	Connector	
132	1001150737	7	Terminal	
133	1001116995	1	Connector	
134	1001118379	2	Terminal	
135	4460994	1	Connector	
136	1001118384	1	Terminal	
137	1001116723	2	Terminal	
138	4460994	1	Connector	
139	1001118384	2	Terminal	
140	1001116997	1	Connector	
141	1001118384	5	Terminal	
142	1001117064	1	Connector	
143	1001116748	6	Terminal	
144	4461118	1	Connector	
145	1001107854	2	Terminal	
146	1001214687	1	Connector	
147	1001116753	3	Terminal	
148	1001214686	1	Connector	
149	1001116753	5	Terminal	
150	1001176333	1	Connector	
151	4460465	3	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
152	4460944	2	Terminal	
153	4460466	13	Plug, Terminal	
154	4460930	1	Connector	
155	4460465	2	Terminal	
156	4460466	6	Plug, Terminal	
157	4460894	1	Connector	
158	4460465	3	Terminal	
159	4460944	2	Terminal	
160	4460466	1	Plug, Terminal	
161	4460884	3	Connector	
162	4460942	12	Terminal	
163	1001117081	1	Connector	
164	1001116723	2	Terminal	
165	1001118384	4	Terminal	
166	1001117081	1	Connector	
167	1001116723	12	Terminal	
168	1001118384	1	Terminal	
169	1001184473	1	Connector	
170	1001184479	3	Terminal	
171	1001117081	1	Connector	
172	1001116723	6	Terminal	
173	1001118384	1	Terminal	
174	1001136999	1	Connector	
175	1001126011	15	Terminal	
176	4460518	6	Plug, Terminal	
177	1001116986	2	Connector	
178	1001118384	8	Terminal	
179	1001137000	1	Connector	
180	1001126008	15	Terminal	
181	4460518	6	Plug, Terminal	
182	1001112612	1	Connector	
183	4460464	7	Terminal	
184	4460943	2	Terminal	
185	4460466	4	Plug, Terminal	
186	1001116998	4	Connector	
187	1001118387	4	Terminal	
188	1001116985	1	Connector	
189	1001118386	3	Terminal	
190	1001116984	1	Connector	
191	1001118386	4	Terminal	
192	4461262	1	Connector	
193	1001107854	15	Terminal	
194	1001116698	6	Terminal	
195	4460891	2	Connector	
196	4460465	4	Terminal	
197	1001264844	1	Connector	
198	1001264861	4	Terminal	
199	1001116986	1	Connector	
200	1001118384	1	Terminal	
201	1001116723	2	Terminal	
202	4461115	4	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
203	1001116728	8	Terminal	
204	4460994	1	Connector	
205	1001118384	2	Terminal	
206	1001231400	1	Terminal	
207	1001231404	2	Seal	
208	1001194421	1	Terminal	
209	1001104498	2	Seal	
210	1001116995	1	Connector	
211	1001236622	1	Terminal	
212	1001116998	2	Connector	
213	1001118387	2	Terminal	
301	4460931	1	Connector	
302	4460945	2	Connector, 3 Way Tee	
303	4461070	1	Connector with Resistor	
304	8220375	1	Cap	
305	8229234	1	Fuse 10 Amp	
306	1001116815	1	Connector, Plug	
307	1001125677	1	Bussbar	
308	1001144296	3	Cap	
309	1001177597	2	Model, Diode	
310	1001201070	1	Connector, Resistor	

FIGURE 10-13. CAB STANDARD ELECTRICAL BOARD ASSEMBLY

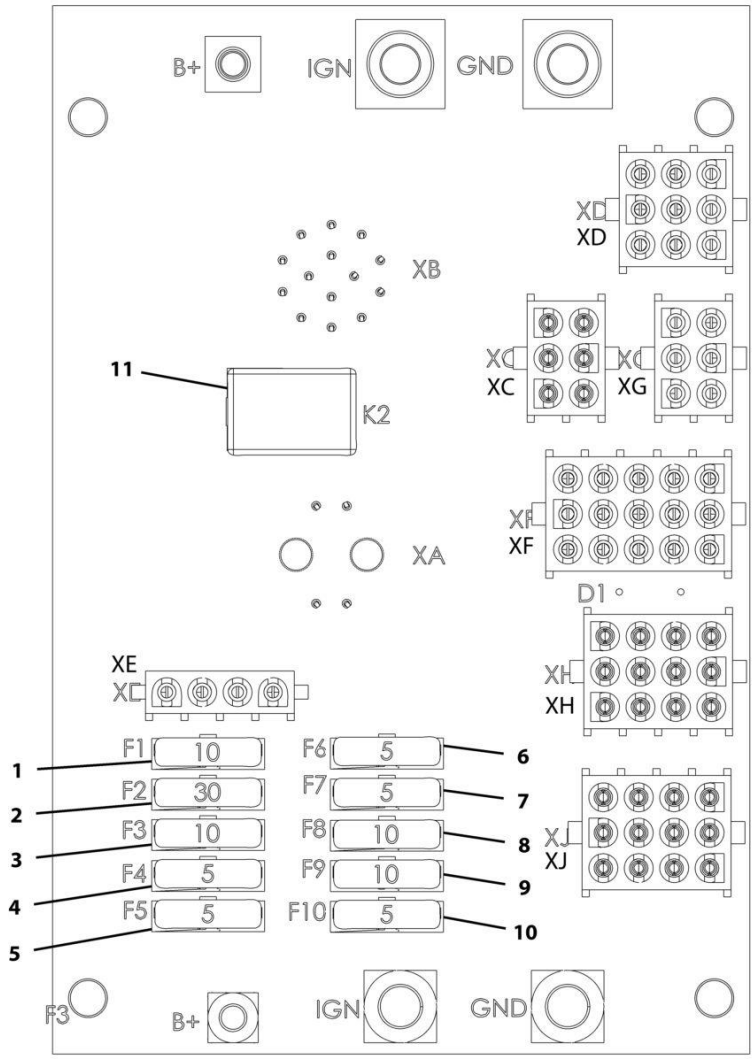
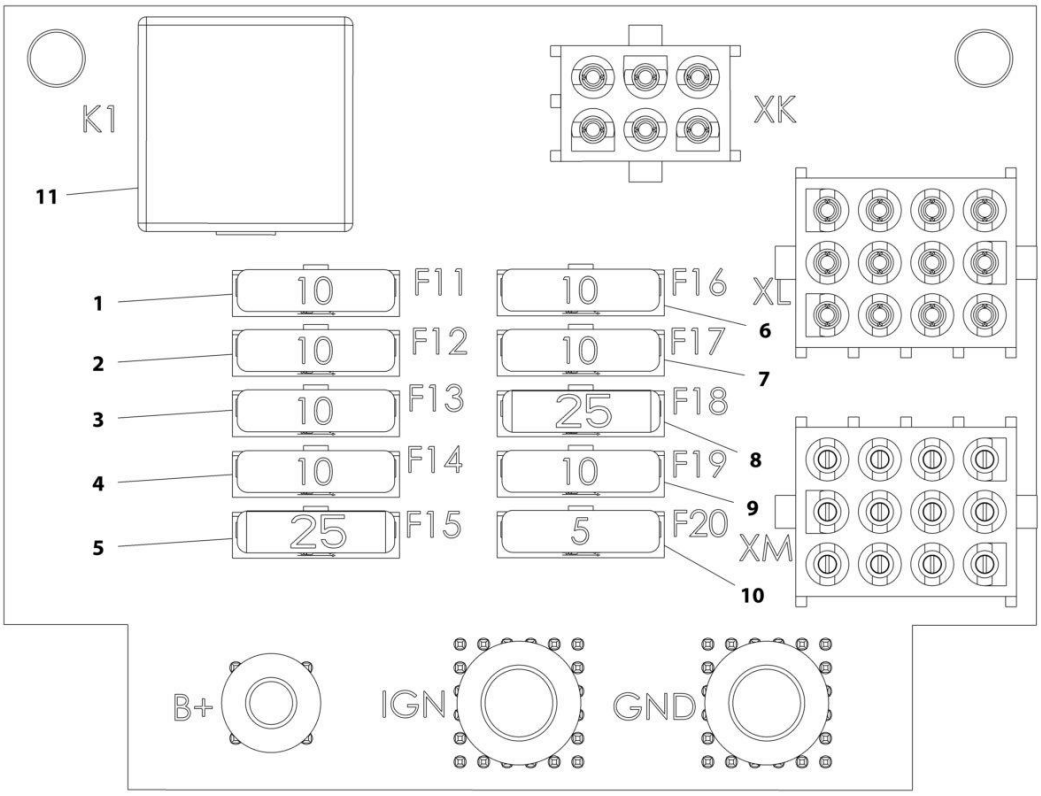


FIGURE 10-13. CAB STANDARD ELECTRICAL BOARD ASSEMBLY

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 10-14. CAB OPTION 1 ELECTRICAL BOARD ASSEMBLY

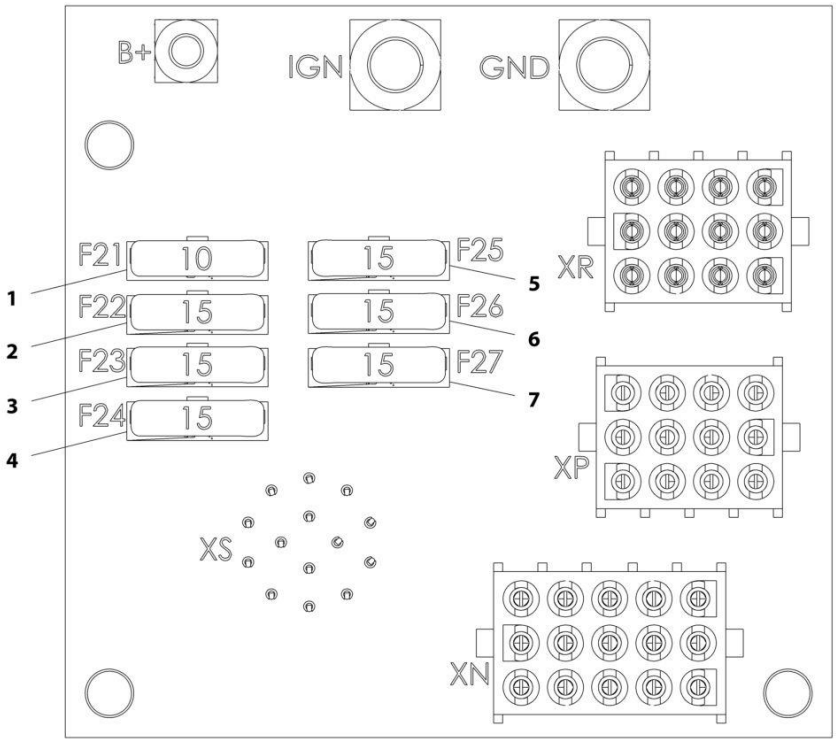


ART_1001161770-C

FIGURE 10-14. CAB OPTION 1 ELECTRICAL BOARD ASSEMBLY

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 10-15. CAB OPTION 2 ELECTRICAL BOARD ASSEMBLY



ART_1001161771-B

FIGURE 10-15. CAB OPTION 2 ELECTRICAL BOARD ASSEMBLY

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 10-16. CAB OPTION HARNESS

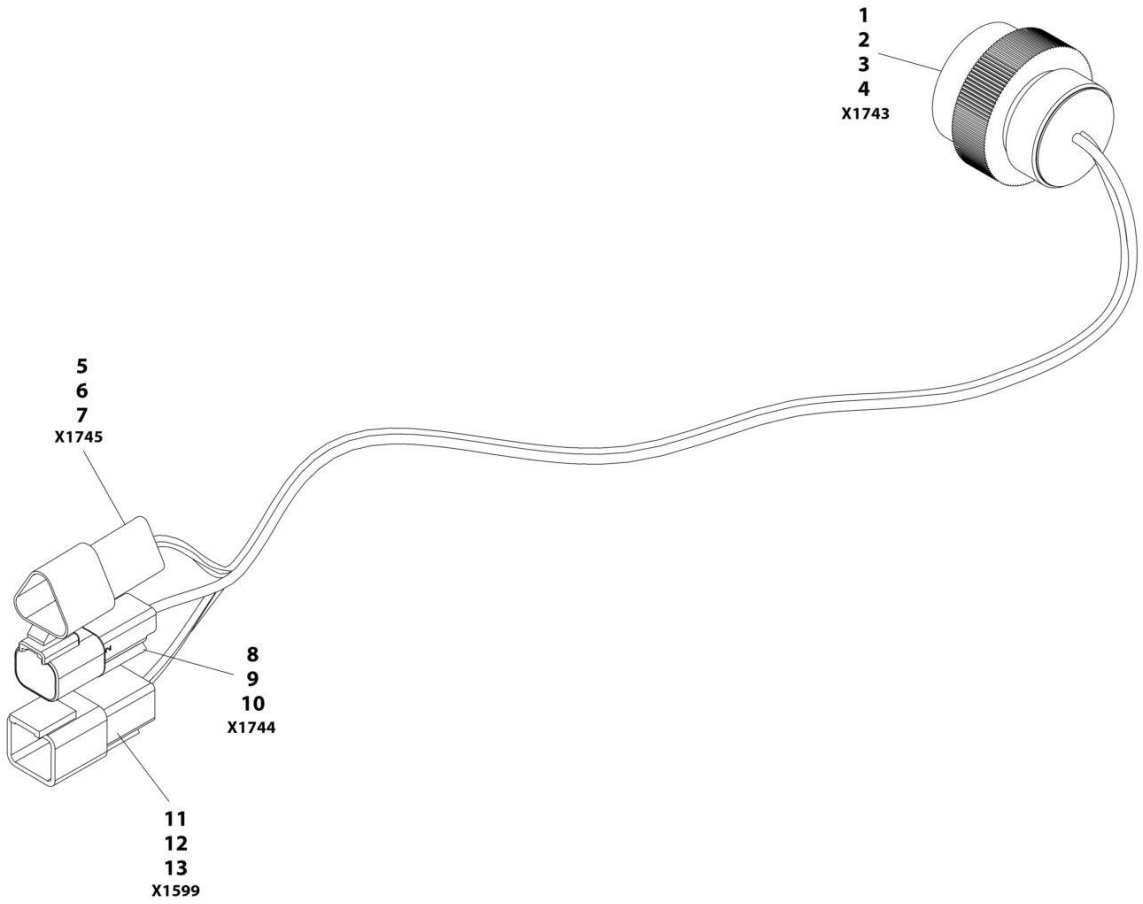


FIGURE 10-16. CAB OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265358	Ref	CAB OPTION HARNESS	A
1	4461015	1	Connector	
2	4460465	5	Terminal	
3	4460942	1	Terminal	
4	4460466	8	Plug	
5	1001144147	1	Connector	
6	4460943	2	Terminal	
7	4460466	1	Plug	
8	4460897	1	Connector	
9	4460941	1	Terminal	
10	4460466	1	Plug	
11	1001097051	1	Connector	
12	4460929	3	Terminal	
13	4460466	1	Plug	

FIGURE 10-17. DASH ELECTRICS INSTALLATION (ULS)

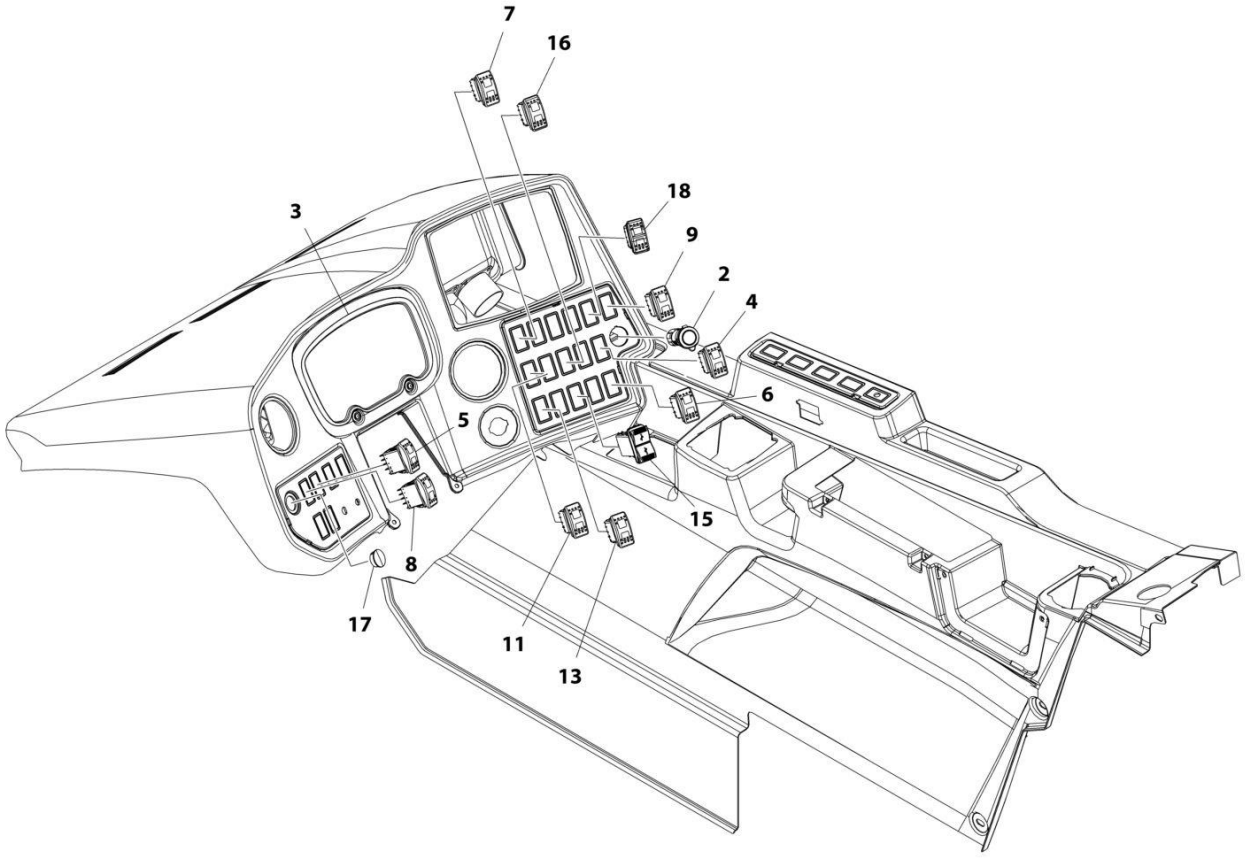


FIGURE 10-17. DASH ELECTRICS INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185809	Ref	DASH ELECTRICS INSTALLATION (ULS)	G
2	1001095804	1	Connector, 12V Power Socket	
3	1001158146	1	Cluster, Electrical Gauge	
4	1001104654	1	Switch, AUX Decomp	
5	1001159741	1	Switch, Constanst AUX	
6	1001163639	1	Switch, Driving Lights	
7	1001159737	1	Switch, Fog Lights	
8	1001189898	1	Switch, Framer/Loader	
9	1001159734	1	Switch, Hazard	
11	1001159735	1	Switch, Rear Wiper	
13	1001159849	1	Switch, Steer Mode	
15	1001174712	1	Switch, USB Charger	
16	1001159748	1	Switch, Bucket Mode	
17	1001190589	1	Plug, Blanking	
18	1001285715	1	Switch, Beacon	

FIGURE 10-18. CAB HEATER HARNESS INSTALLATION

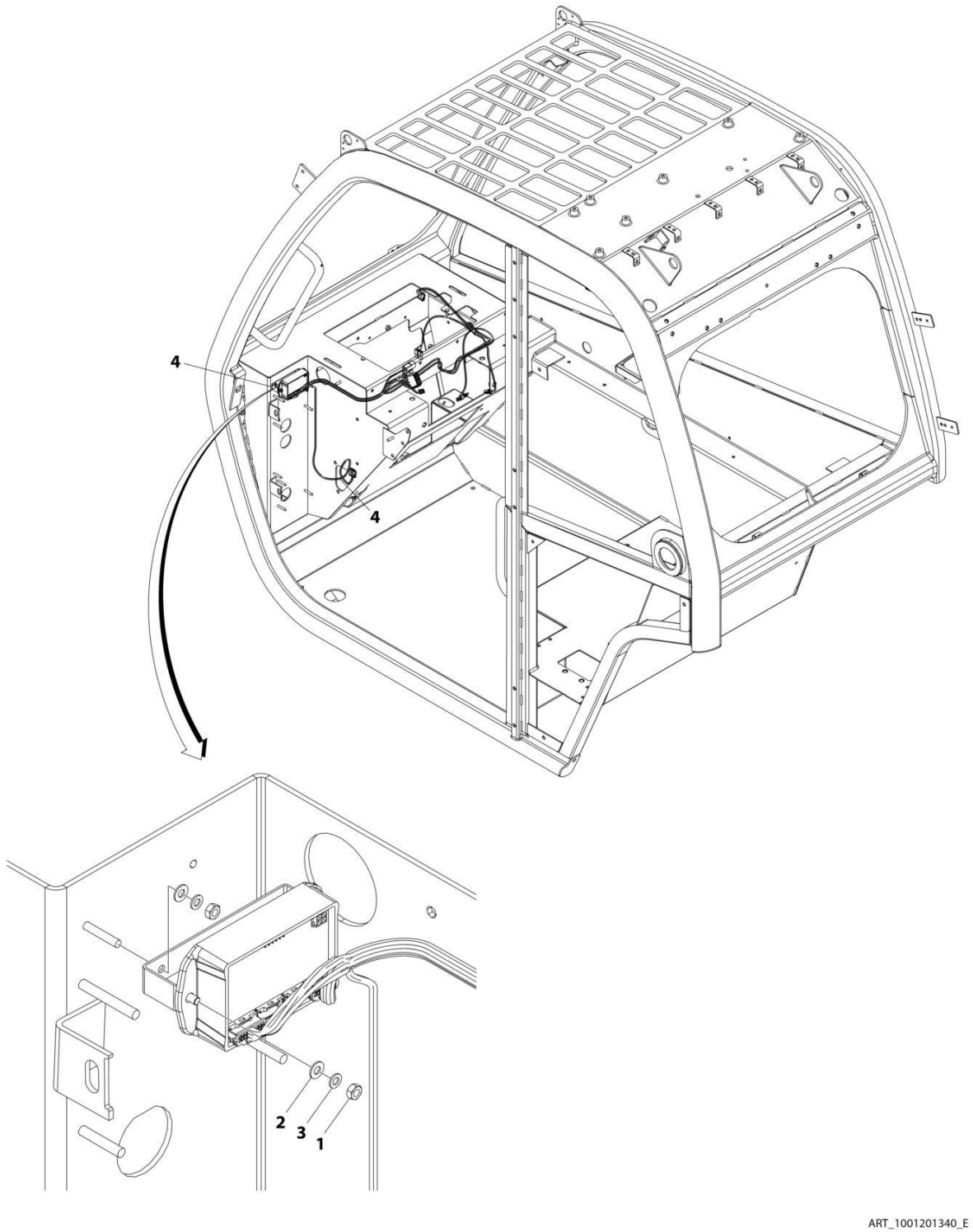


FIGURE 10-18. CAB HEATER HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201340	Ref	CAB HEATER HARNESS INSTALLATION	E
1	3290401	4	Nut M4	
2	4811400	4	Washer M4	
3	4831400	4	Washer, Lock M4	
4	1001271803	1	Harness, Cab Heater (See Separate Breakdown in this Section)	

FIGURE 10-19. CAB HEATER HARNESS

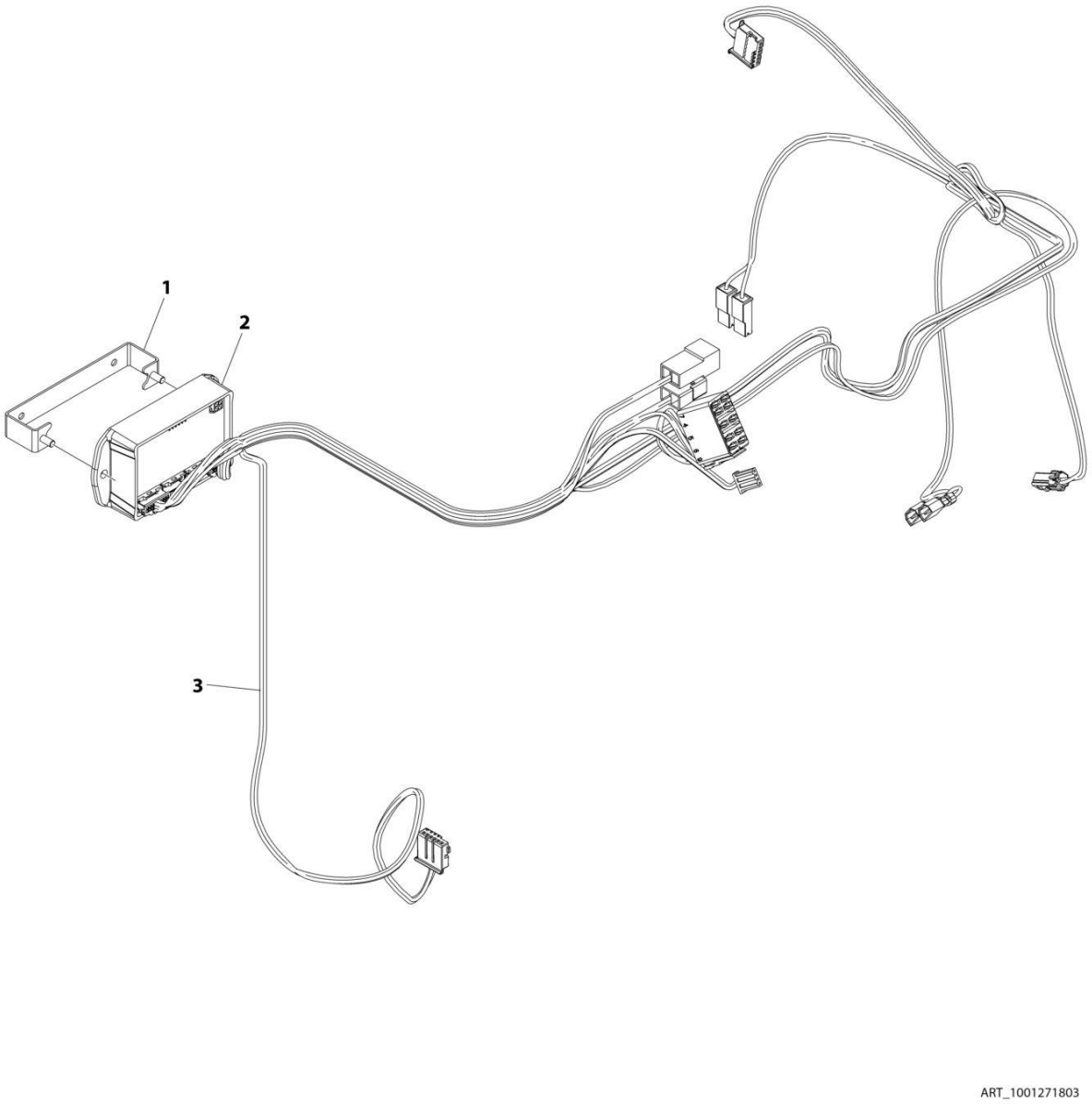


FIGURE 10-19. CAB HEATER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001271803	Ref	CAB HEATER HARNESS	B
1	1001264976	1	Bracket	
2	1001268829	1	Actuator, HVAC (Sold as Assembly Only)	
3	1001268830	1	Harness, HVAC Cab Actuator (See Separate Breakdown in this Section)	

FIGURE 10-20. CAB HVAC ACTUATOR HARNESS

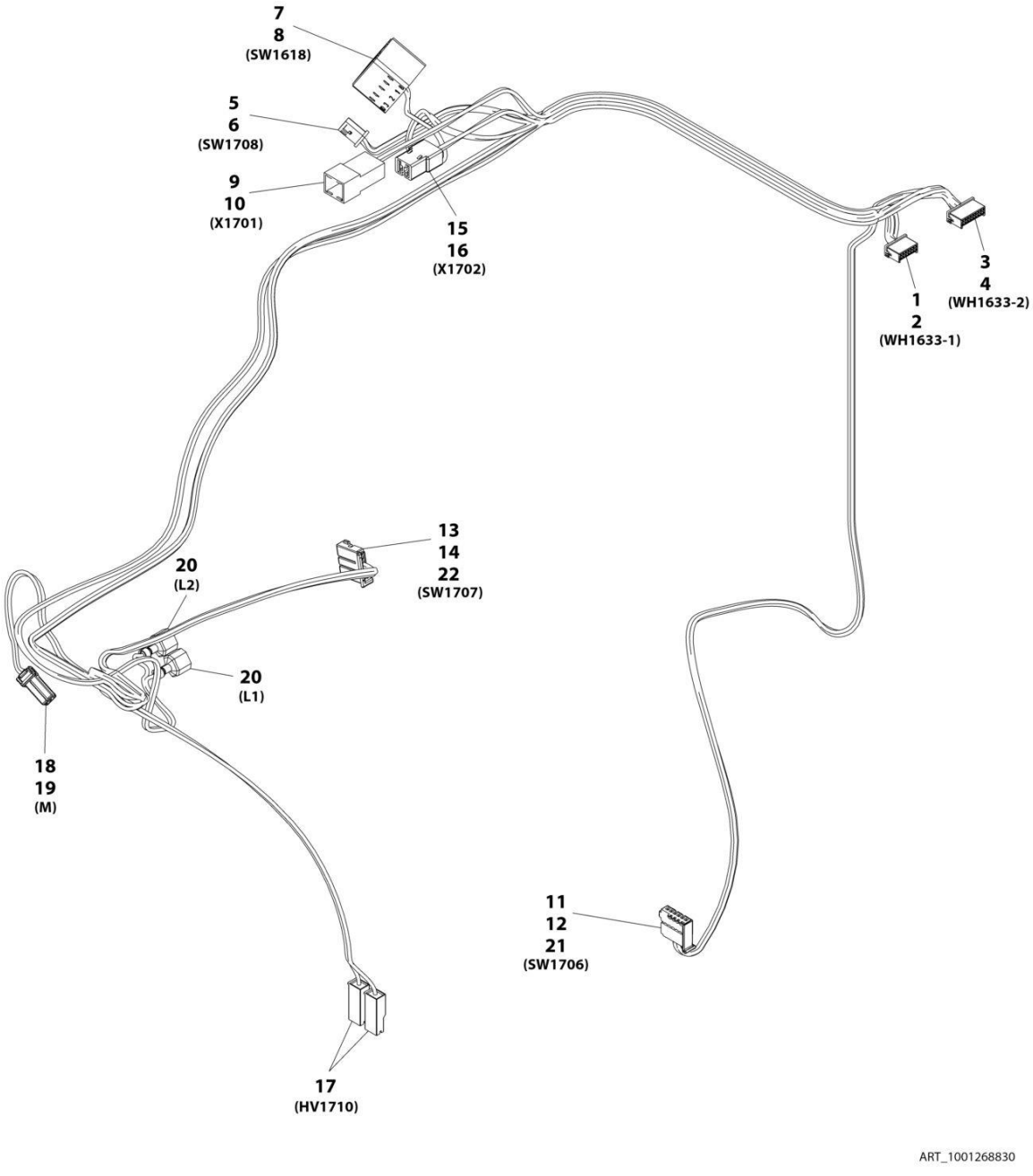


FIGURE 10-20. CAB HVAC ACTUATOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268830	Ref	CAB HVAC ACTUATOR HARNESS	B
1	1001274536	1	Connector	
2	1001274543	10	Terminal	
3	1001274537	1	Connector	
4	1001274543	8	Terminal	
5	1001184473	1	Connector	
6	1001184479	3	Terminal	
7	1001274533	1	Connector	
8	1001274539	4	Terminal	
9	1001116999	1	Connector	
10	1001274540	2	Terminal	
11	1001274534	1	Connector	
12	1001274541	2	Terminal	
13	1001274534	1	Connector	
14	1001274541	5	Terminal	
15	1001116991	1	Connector	
16	1001116720	2	Terminal	
17	1001274535	2	Connector	
18	1001274538	1	Connector	
19	1001274544	2	Terminal	
20	8220050	2	Terminal	
21	1001274553	1	Retainer	
22	1001274553	1	Retainer	

FIGURE 10-21. CAB HVAC ACTUATOR HARNESS

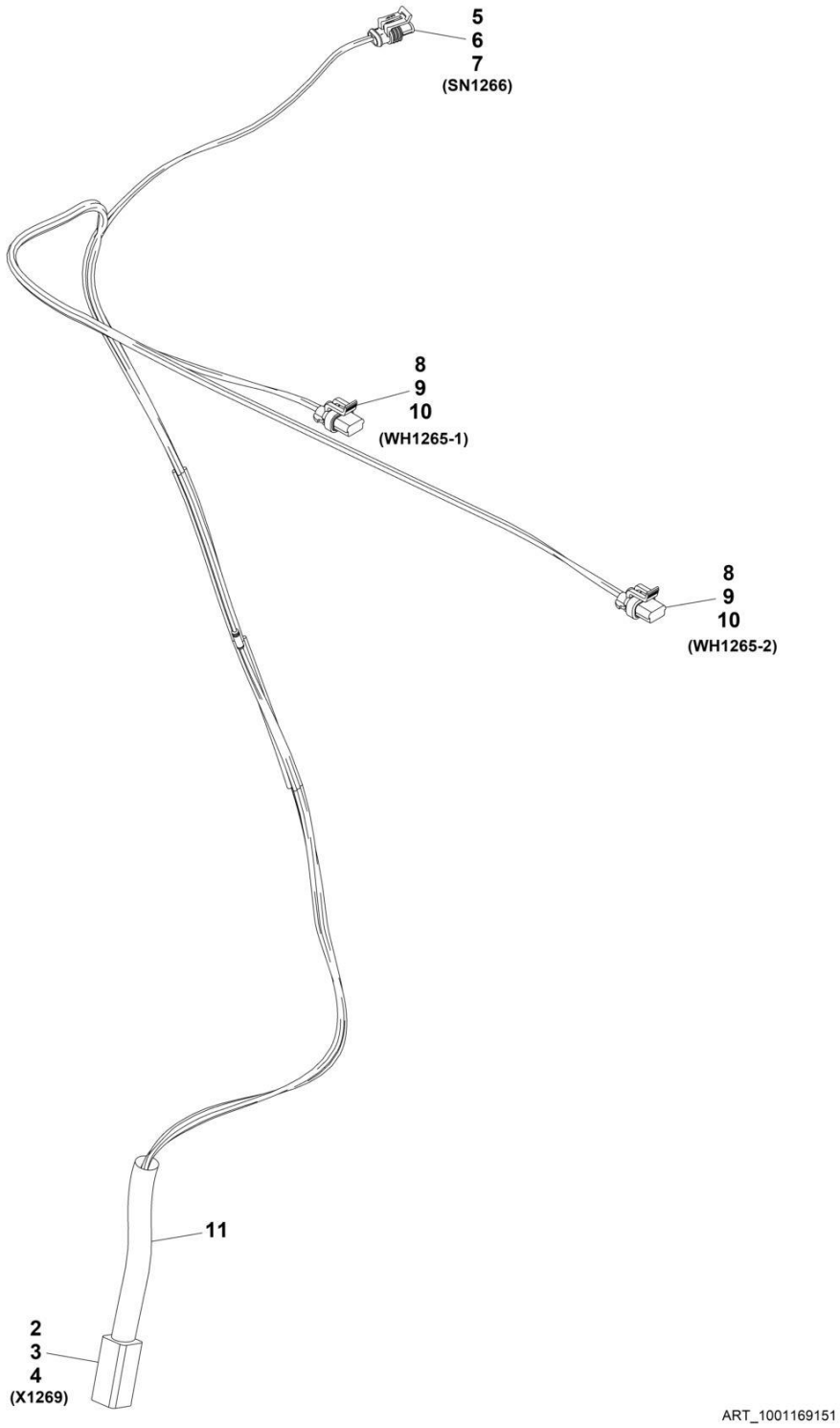


FIGURE 10-21. CAB HVAC ACTUATOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169151	Ref	A/C Option Harness	G
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 10-22. CAB - MULTIFUNCTION DISPLAY INSTALLATION

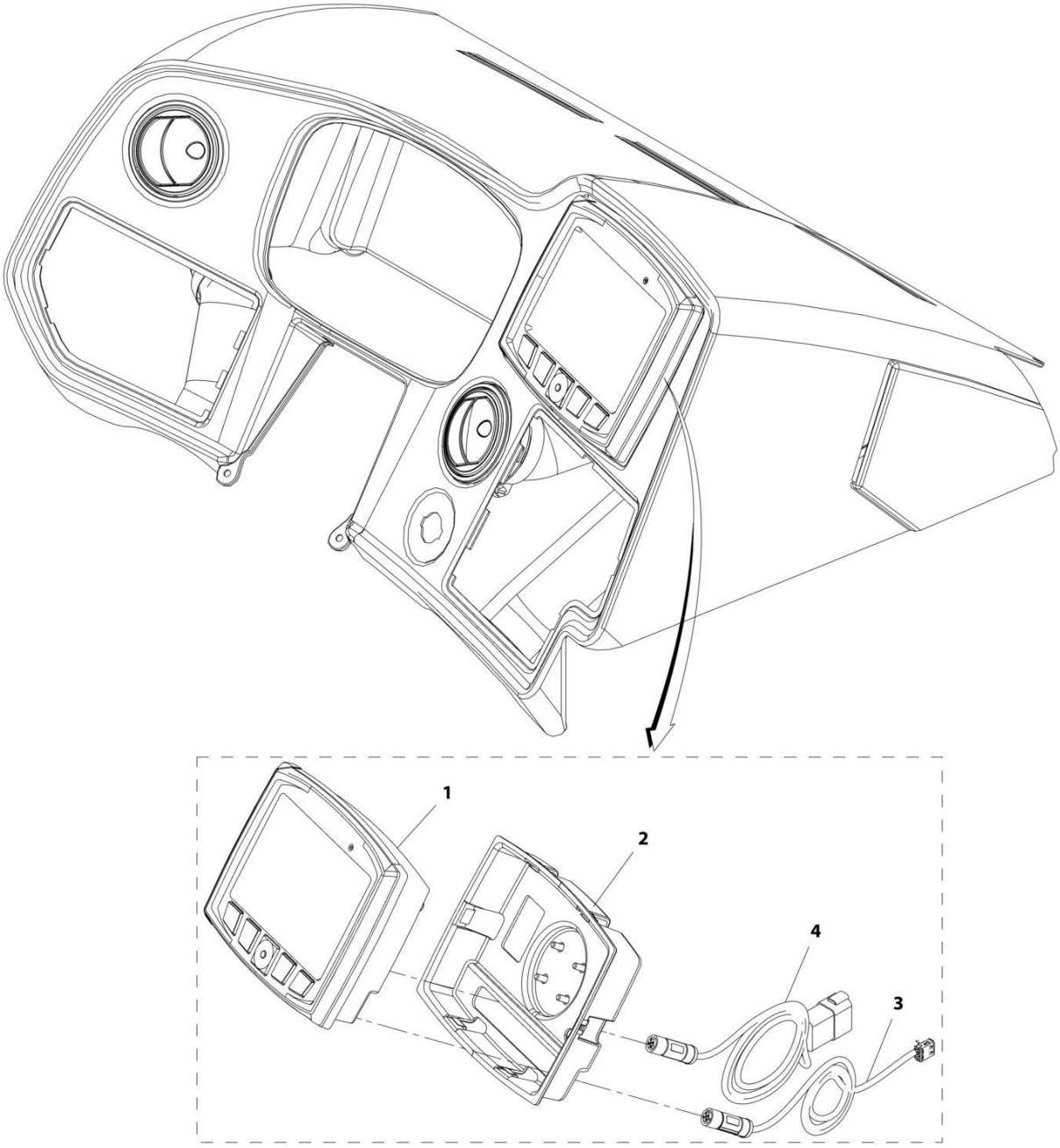


FIGURE 10-22. CAB - MULTIFUNCTION DISPLAY INSTALLATION

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 10-23. CAB SEAT ADAPTOR HARNESS (PREMIUM SEAT)

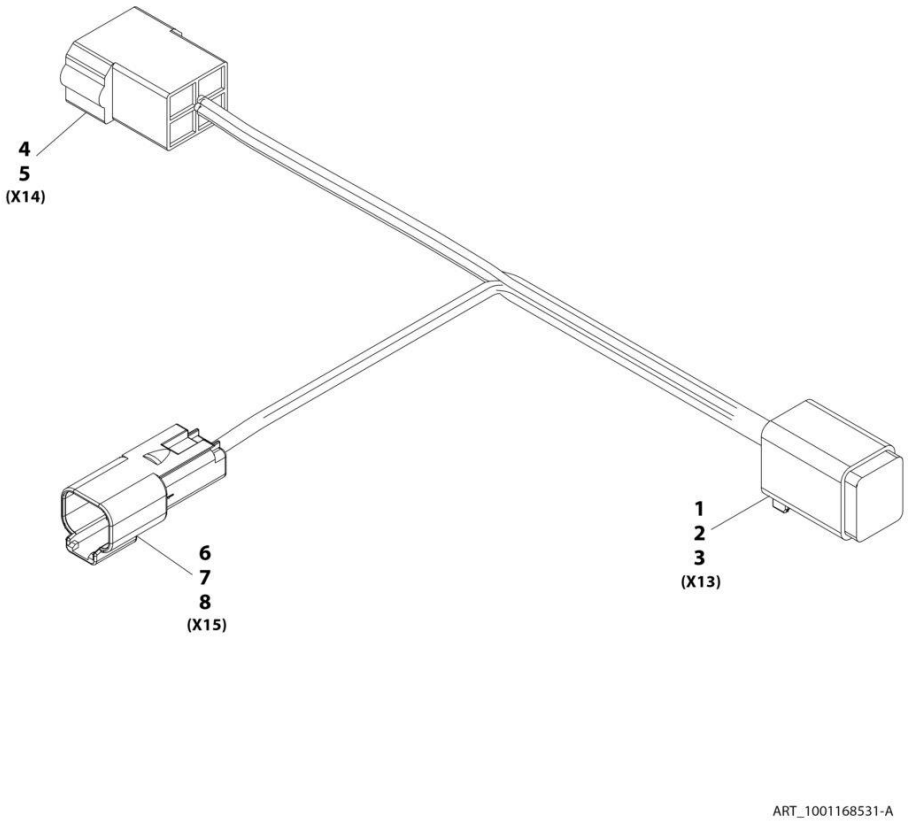


FIGURE 10-23. CAB SEAT ADAPTOR HARNESS (PREMIUM SEAT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168531	Ref	Seat Adaptor Harness	A
1	4460894	1	Connector	
2	91504107	1	Lock, Connector	
3	4460465	6	Terminal	
4	1001117011	1	Connector	
5	1001116700	3	Terminal	
6	4460897	1	Connector	
7	80604017	1	Lock, Connector	
8	4460943	2	Terminal	

FIGURE 10-24. CAB SEAT BELT ALARM HARNESS

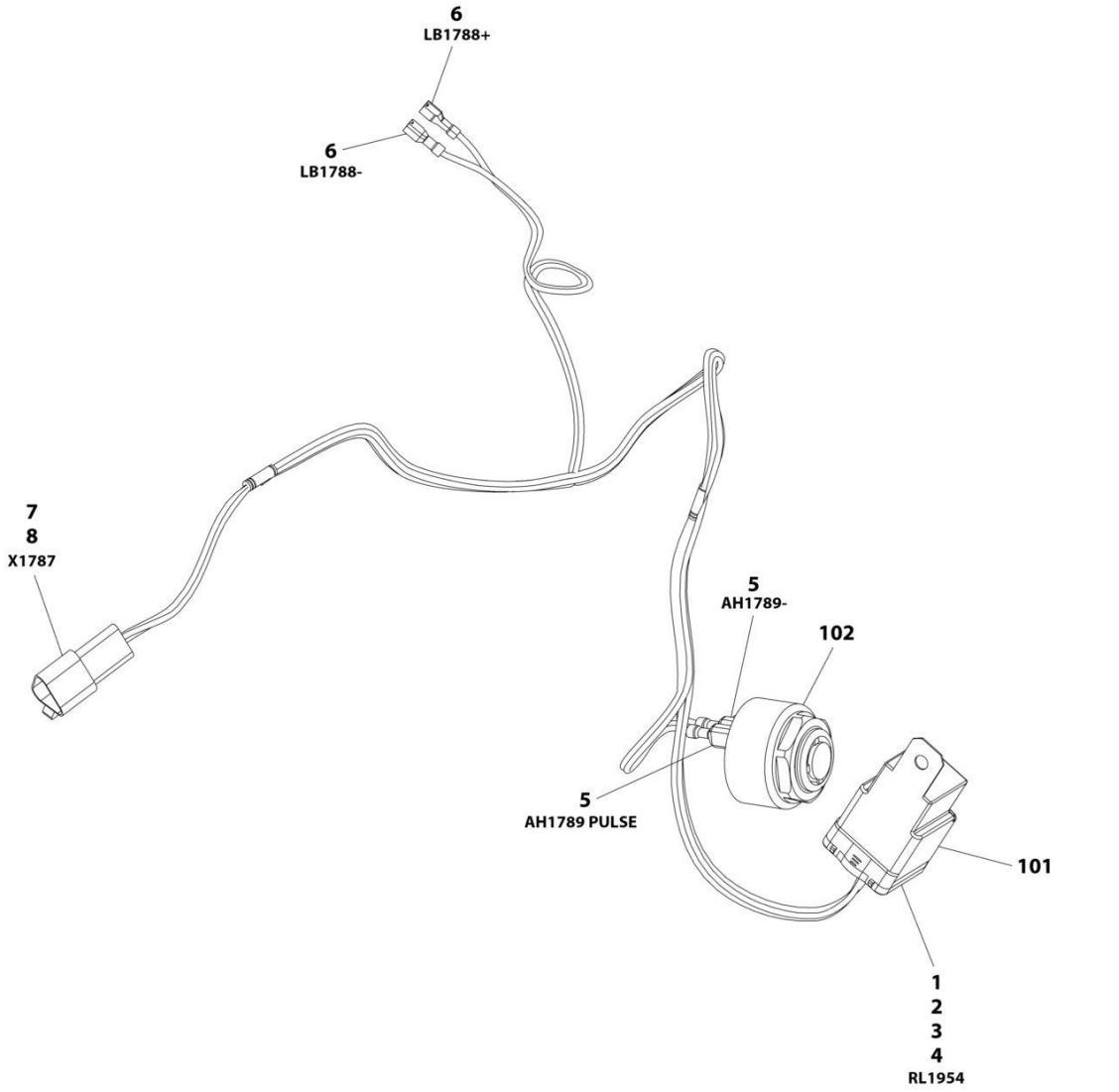


FIGURE 10-24. CAB SEAT BELT ALARM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268744	Ref	SEAT BELT ALARAM HARNESS	B
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 10-25. CLEARSKY 4G CANBUS INSTALLATION

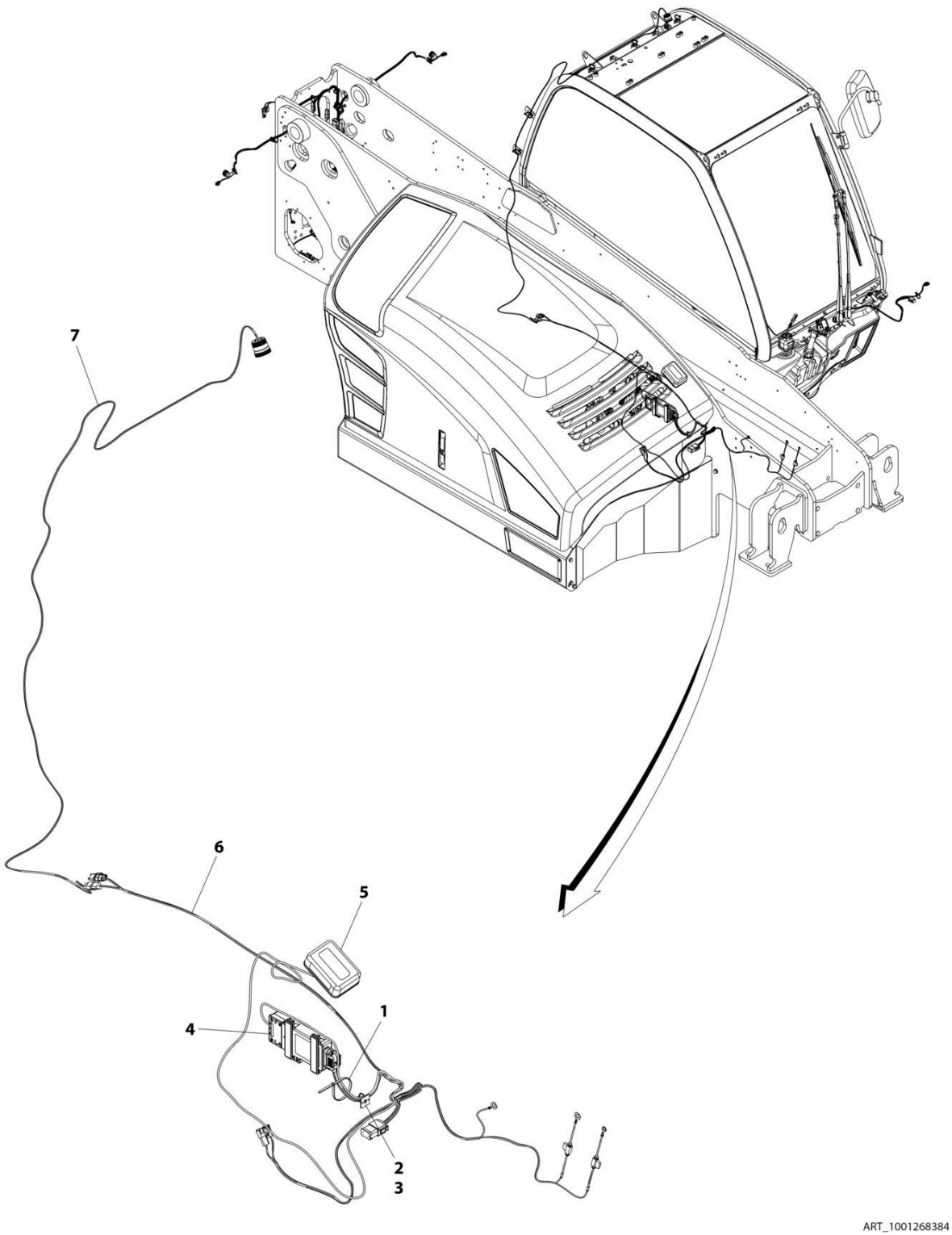


FIGURE 10-25. CLEARSKY 4G CANBUS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268384	Ref	CLEARSKY 4G CANBUS INSTALLATION	B
1	1062255	AR	Tie-Strap	
2	4240032	AR	Tie-Strap	
3	4460234	AR	Terminal Mount	
4	1001262322	1	Module, ClearSky Telematics Canbus	
5	1001262326	1	Antenna	
6	1001268553	1	Harness, 4Ward Telematics Clearsky Can (See Separate Breakdown in this Section)	
7	1001254185	1	Harness, Adapter (See Separate Breakdown in this Section)	

FIGURE 10-26. CLEARSKY V3 INSTALLATION (SN 0160126024 to Present)

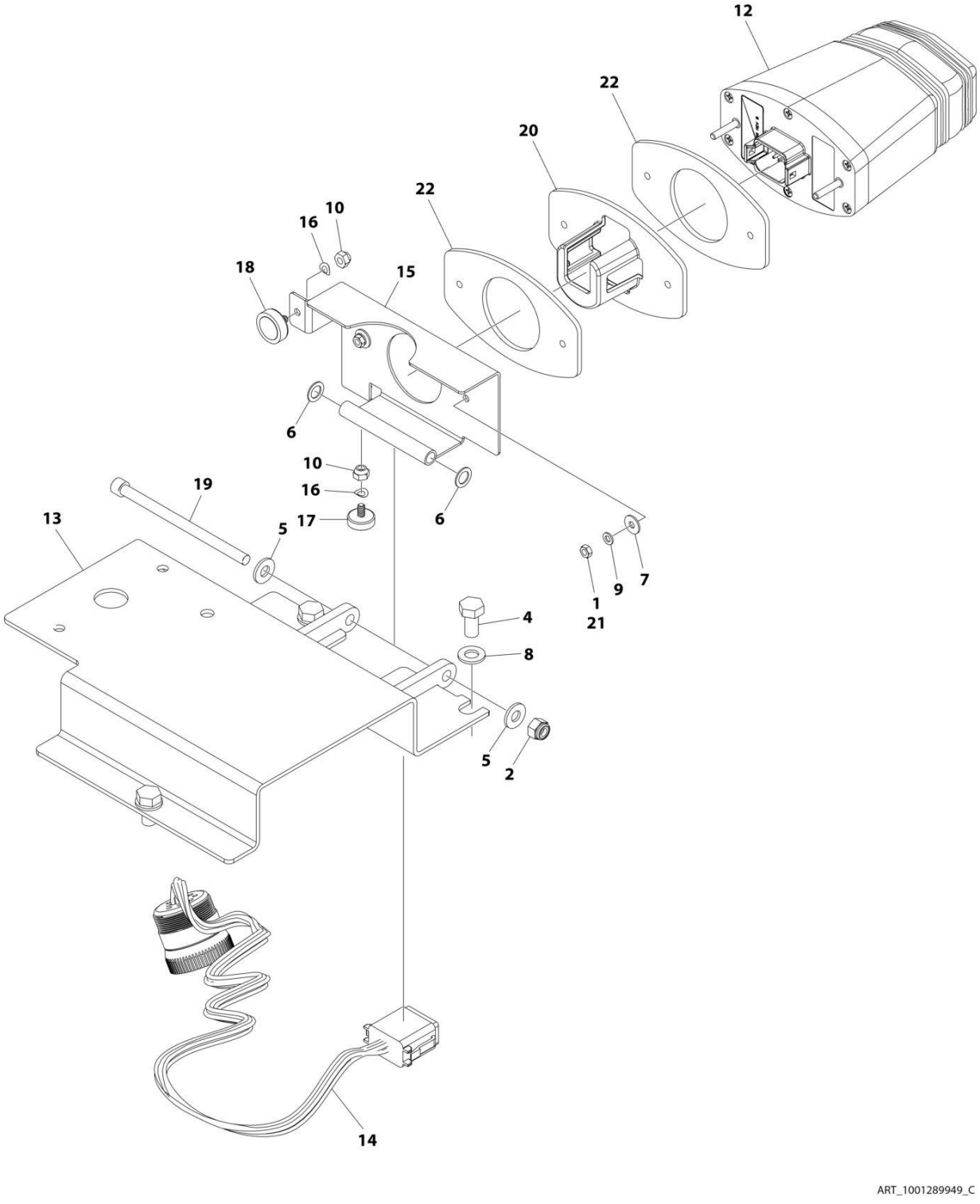
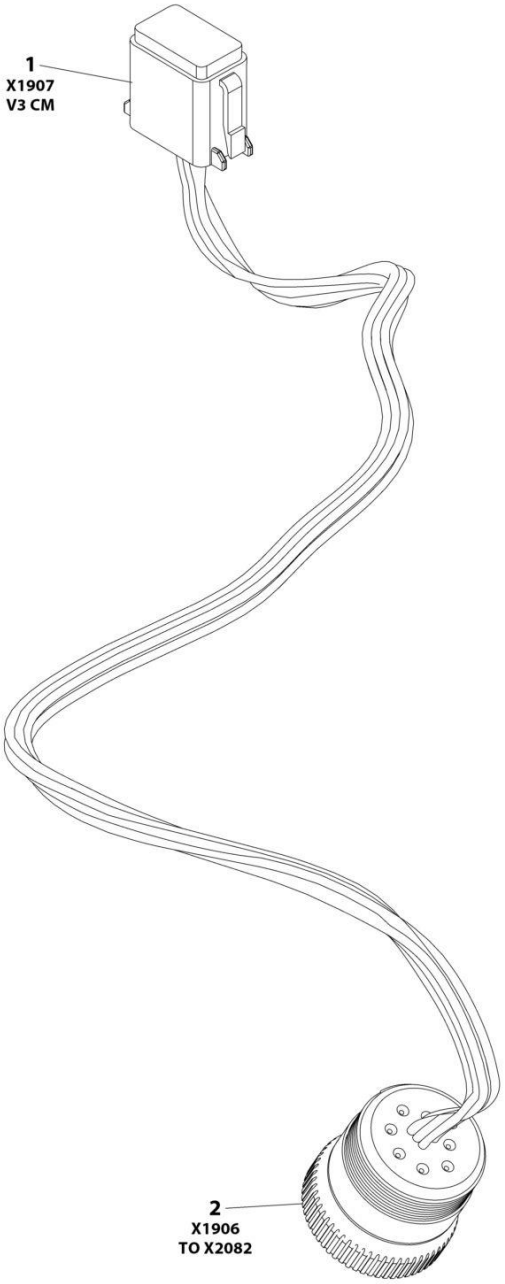


FIGURE 10-26. CLEARSKY V3 INSTALLATION (SN 0160126024 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289949	Ref	CLEARSKY V3 INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	3300449	1	Nut 1/4	
4	0760808	3	Bolt M8 x 16	
5	4711400	2	Washer 1/4	
6	4740428	2	Washer 5/16	
7	1001091102	2	Washer M4	
8	4811900	3	Washer M8	
9	4831400	2	Washer M4	
10	8310410	2	Nut #8	
11	1001146588	AR	Fir Tree (Not Shown)	
12	1001280661	1	Module, ClearSky	
13	1001286599	1	Bracket, ClearSky Mounting	
14	1001286941	1	Harness, ClearSky (See Separate Breakdown in this Section)	
15	1001289060	1	Mount, ClearSky Pivot	
16	1001289299	2	Washer #8	
17	1001289300	1	Magnet, Studded (16mm Diameter)	
18	1001289301	1	Magnet, Studded (20mm Diameter)	
19	1001289647	1	Capscrew 1/4 x 4	
20	1001289648	1	Plate, Anti-Tamper	
21	3290401	2	Nut M4	
22	1001291056	2	Gasket	

FIGURE 10-27. CLEARSKY HARNESS



ART_1001286941

FIGURE 10-27. CLEARSKY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286941	Ref	CLEARSKY HARNESS	A
1	4460930	1	Connector	
1	4460465	8	Socket	
2	1001112796	1	Connector	
2	4460465	8	Socket	
2	4460466	1	Plug	

FIGURE 10-28. DECLUTCH SWITCH INSTALLATION

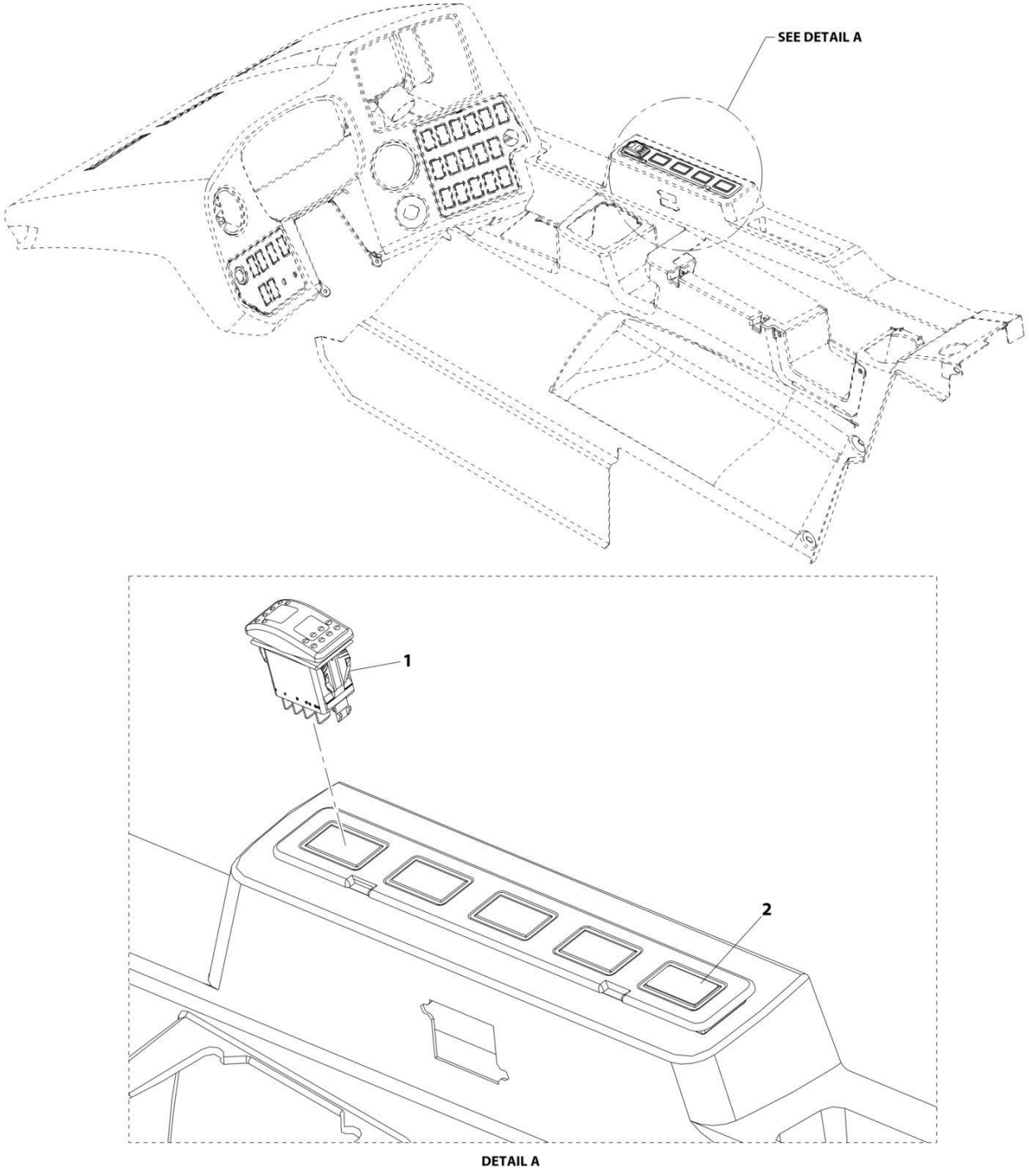


FIGURE 10-28. DECLUTCH SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202430	Ref	Declutch Switch Installation	B
1	1001202421	1	Switch, Transmission Disconnect	
2	1001226481	1	Decal, Blank	

FIGURE 10-29. ELECTRICAL COMPONENTS INSTALLATION

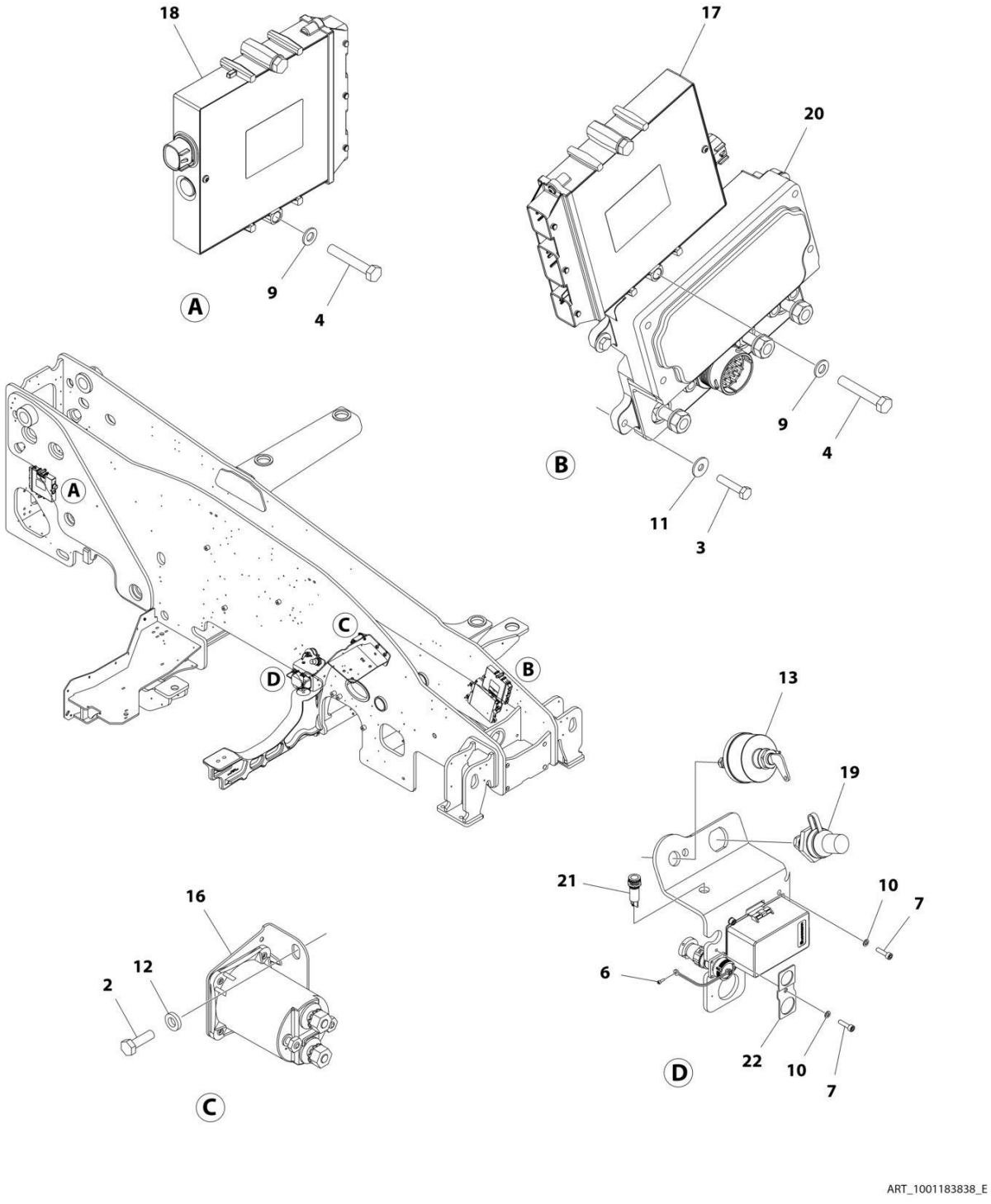
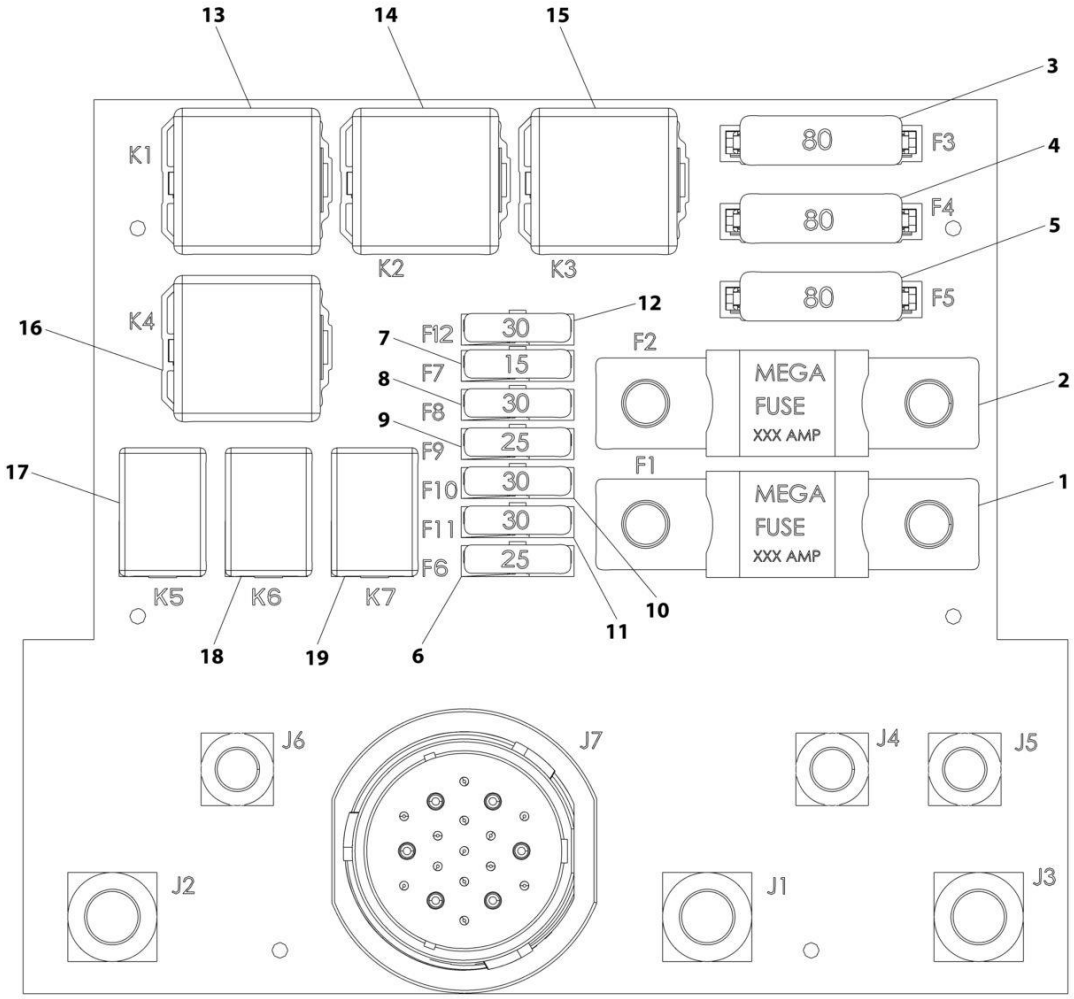


FIGURE 10-29. ELECTRICAL COMPONENTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183838	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
2	0700610	2	Bolt M6 x 20	
3	0700614	4	Bolt M6 x 30	
4	0700818	4	Bolt M8 x 50	
6	3900349	1	Screw M2.5 x 0.45	
7	4031608	5	Screw M5 x 20	
9	4811900	4	Washer M8	
10	4831600	5	Washer M5	
11	4811702	4	Washer M6	
12	5240600	2	Washer M6	
13	1001008926	NLA	Switch, Disconnect (no longer available, use 1001192142 for replacement)	
13	1001192142	1	Switch, Battery Disconnect	
16	1001117308	1	Relay, 200 AMP (See Separate Breakdown in this Section)	
17	1001270467	1	Module, Rear Frame (Note: Re-calibration required when replaced)	
18	1001270468	1	Module, Front Frame (Note: Re-calibration required when replaced)	
19	1001193993	1	Stud, Battery Jump Start	
20	1001164402	1	Box, Power Distribution Electrical (See Separate Breakdown in this Section)	
21	1001169825	1	Light, DEF Purge Indicator	
22	1001186693	1	Plate	

FIGURE 10-30. ELECTRICAL POWER DISTRIBUTION ELECTRICAL BOX

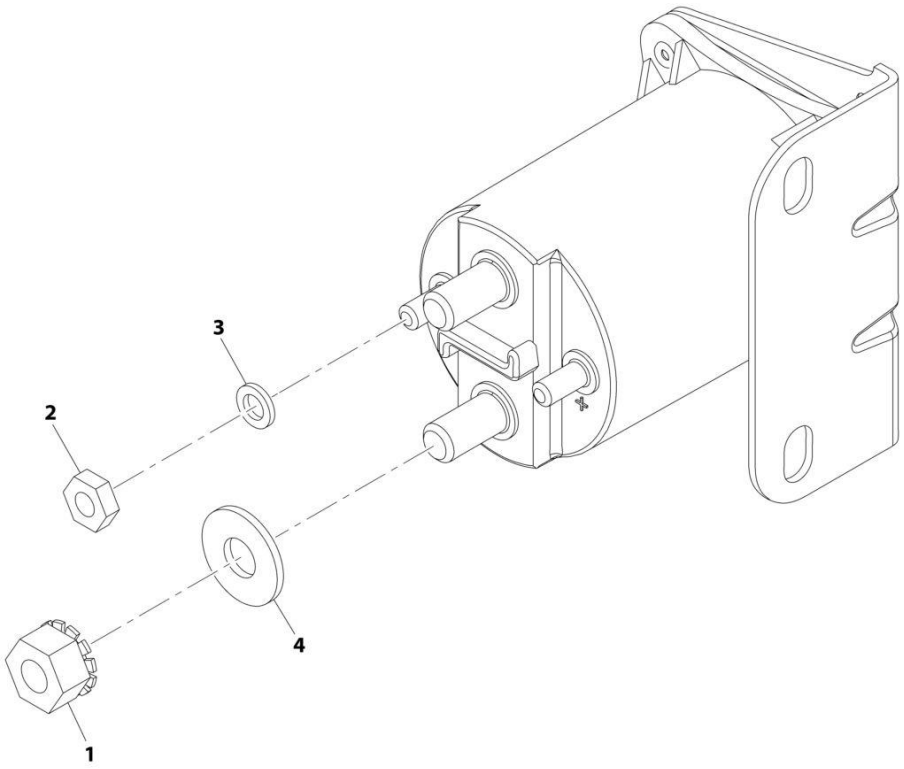


ART_1001164402-G

FIGURE 10-30. ELECTRICAL POWER DISTRIBUTION ELECTRICAL 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 10-31. ELECTRICAL RELAY INSTALLATION - 200 AMP



ART_1001117308-C

FIGURE 10-31. ELECTRICAL RELAY INSTALLATION - 200 AMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117308	Ref	200 AMP Relay Installation	C
1	3300220	2	Nut, Washer	
2	3321001	2	Nut	
3	4761000	2	Washer, Lock	
4	1001111424	2	Washer	

FIGURE 10-32. ENGINE WIRING INSTALLATION (ULS)

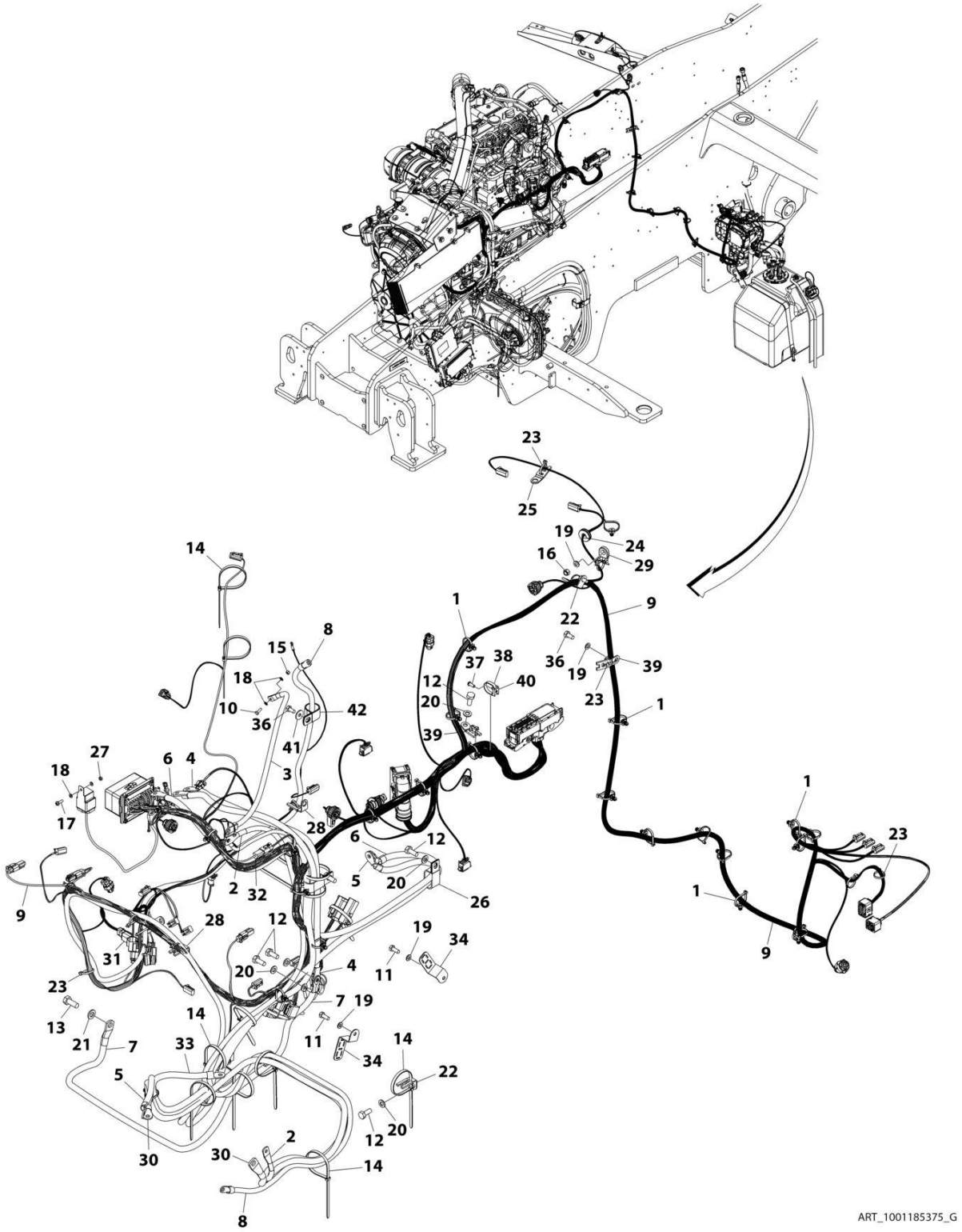


FIGURE 10-32. ENGINE WIRING INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185375	Ref	ENGINE WIRING INSTALLATION (ULS)	G
1	1001146588	24	Strap, Tie	
2	1001182218	1	Cable, PDM to Glow Plug Relay	
3	1001182219	1	Cable, Glow Plug to Relay	
4	1001182654	1	Cable, Disonnect to Ground Buss	
5	1001182650	1	Cable, Starter to Battery +	
6	1001182651	1	Cable, Starter to Jump Start Stud	
7	1001182652	1	Cable, Ground Buss to Engine Ground	
8	1001283711	1	Cable, Alternator	
9	1001256834	1	Harness, Engine (ULS) (See Separate Breakdown in this Section)	
10	0760507	1	Bolt M5 x 14	
11	0760810	2	Bolt M8 x 20	
12	0761012	7	Bolt M10 x 25	
13	0761214	1	Bolt M12 x 30	
14	1062255	13	Strap, Tie	
15	3290505	1	Nut, Lock M5 x 0.8 Grade 8	
16	3290805	1	Nut, Lock M8 x 1.25 Grade 8	
17	3900381	1	Screw M5 x 16	
18	4811600	4	Washer M5	
19	4811900	5	Washer M8	
20	4812000	7	Washer M10	
21	4812100	1	Washer M12	
22	1001003305	4	Clip	
23	1001008559	14	Strap, Tie	
24	1001009375	1	Grommet	
25	1001025750	1	Clip, Ladder	
26	1001008720	2	Clip	
27	3290501	1	Nut M5 x 0.8	
28	1001130198	3	Clip, Ladder	
29	1001169146	1	Mount	
30	1001182217	1	Cable, Batt + to PDM	
31	1001182929	1	Harness, Fuel Pump (See Separate Breakdown in this Section)	
32	1001182930	1	Harness, Glow Plug Relay to Engine Harness (See Separate Breakdown in this Section)	
33	1001203015	1	Cable, Batt (-) to Batt Disc	
34	1001203882	2	Bracket, Harness Tie Wrap	
36	0760808	3	Bolt M8 x 16	
37	3900357	1	Screw M6 x 16	
38	8881800	1	Strap, Tie	
39	1001008593	2	Clip	
40	1001138645	1	Mount, Cable Tie	
41	4811902	1	Washer M8	
42	8406302	1	Clamp	

FIGURE 10-33. ENGINE WIRING INSTALLATION (LS)

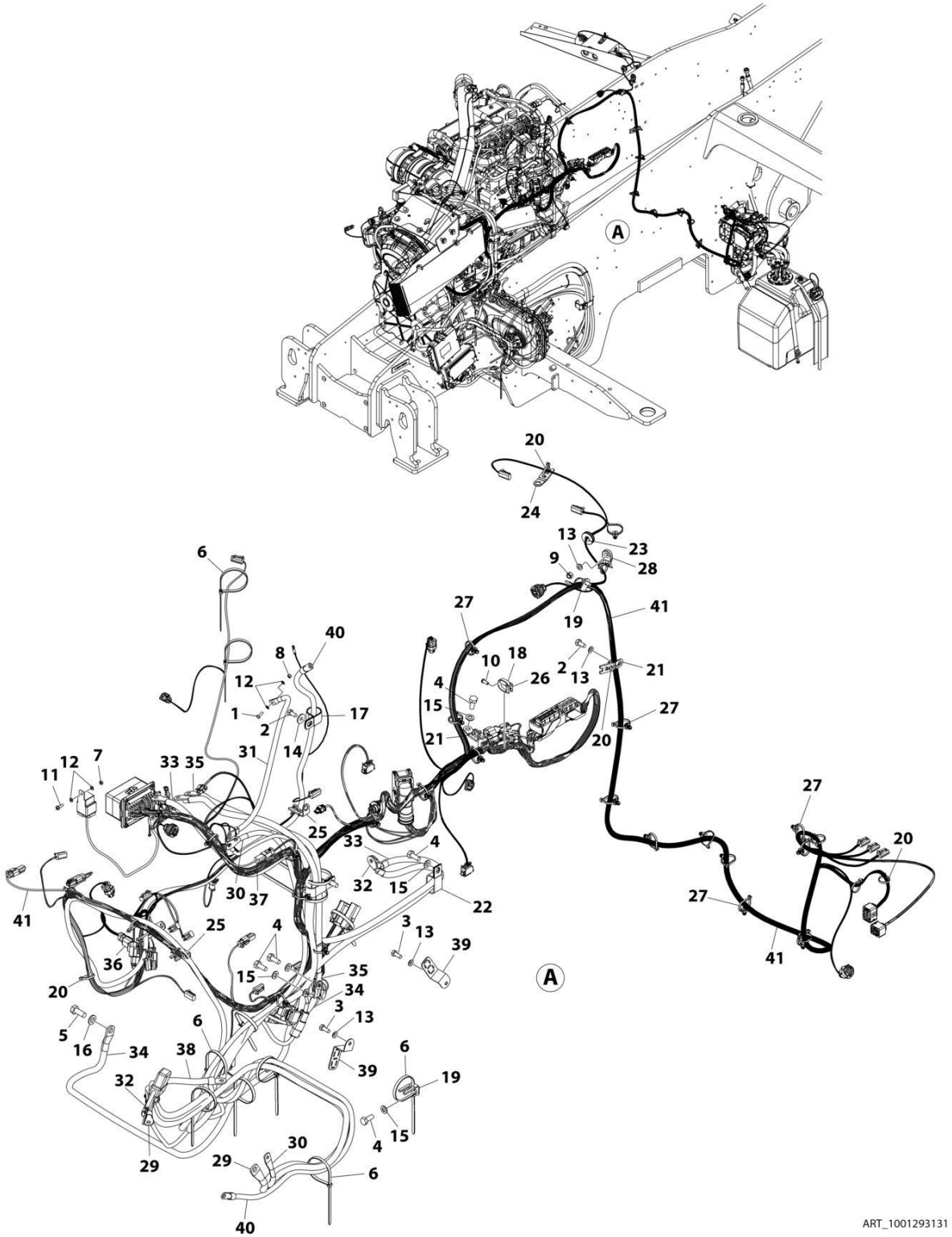
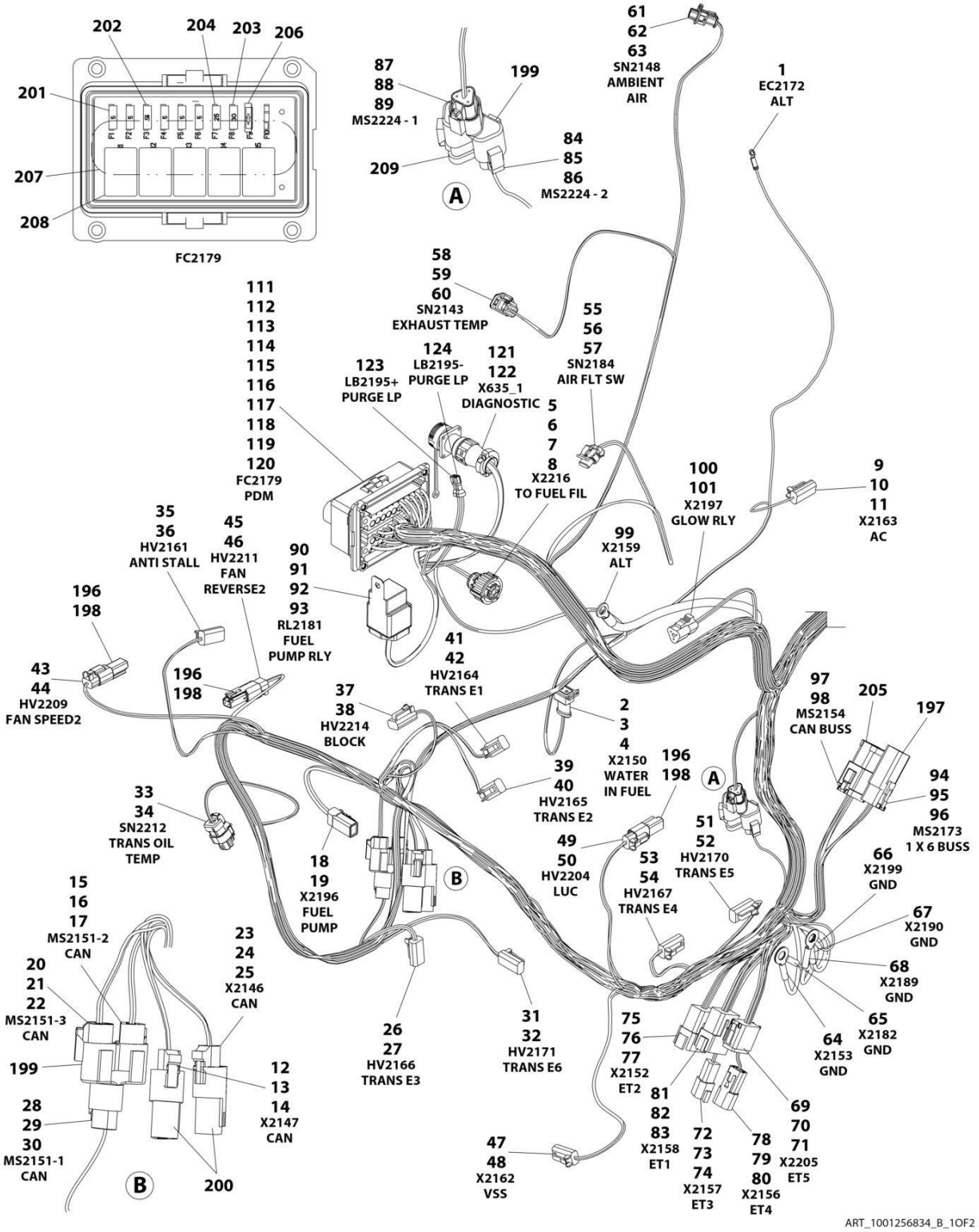
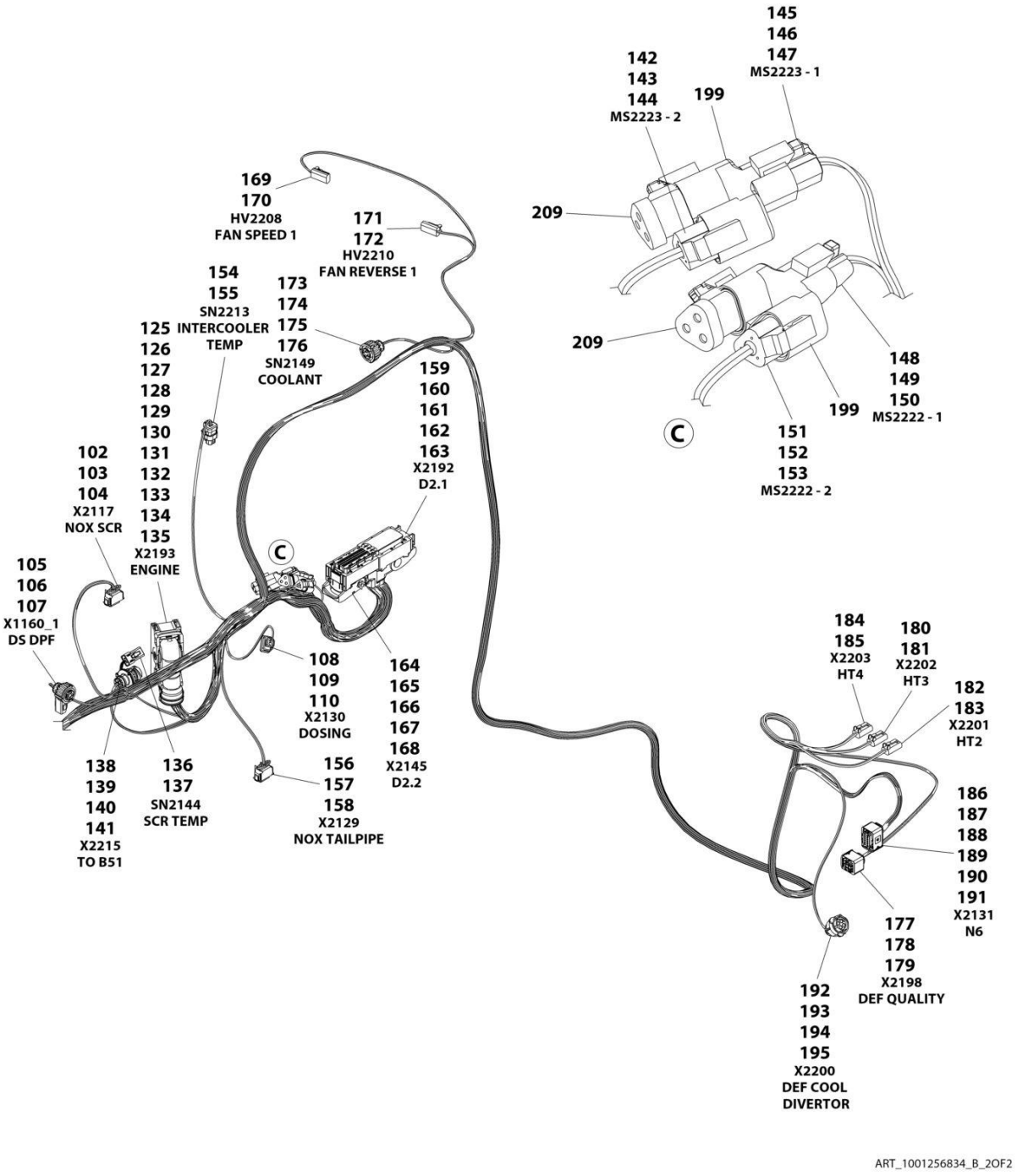


FIGURE 10-33. ENGINE WIRING INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001293131	Ref	ENGINE WIRING INSTALLATION	A
1	0760507	1	Bolt M5 x 14	
2	0760808	3	Bolt M8 x 16	
3	0760810	2	Bolt M8 x 20	
4	0761012	7	Bolt M10 x 25	
5	0761214	1	Bolt M12 x 30	
6	1062255	13	Tie-Strap	
7	3290501	1	Nut M5	
8	3290505	1	Nut, Lock M5	
9	3290805	1	Nut, Lock M8	
10	3900357	1	Capscrew M6 x 16	
11	3900381	1	Capscrew M5 x 16	
12	4811600	4	Washer M5	
13	4811900	5	Washer M8	
14	4811902	1	Washer M8	
15	4812000	7	Washer M10	
16	4812100	1	Washer M12	
17	8406302	1	Clamp	
18	8881800	1	Tie-Strap	
19	1001003305	4	Clip	
20	1001008559	14	Cable	
21	1001008593	2	Clip	
22	1001008720	2	Clip-Loop	
23	1001009375	1	Grommet	
24	1001025750	1	Clip	
25	1001130198	3	Clip	
26	1001138645	1	Cable Tie	
27	1001146588	24	Fir Tree Cable Tie	
28	1001169146	1	Mount	
29	1001182217	1	Cable	
30	1001182218	1	Cable	
31	1001182219	1	Cable	
32	1001182650	1	Cable	
33	1001182651	1	Cable	
34	1001182652	1	Cable	
35	1001182654	1	Cable	
36	1001182929	1	Harness, Fuel Pump (See Separate Breakdown in this Section)	
37	1001182930	1	Harness, Glow Plug (See Separate Breakdown in this Section)	
38	1001203015	1	Cable	
39	1001203882	2	Bracket	
40	1001283711	1	Cable	
41	1001292201	1	Harness, Engine (See Separate Breakdown in this Section)	
42	1001294690	1	Cable, ECM Power (Not Shown)	

FIGURE 10-34. ENGINE HARNESS (ULS)





ART_1001256834_B_2OF2

FIGURE 10-34. ENGINE HARNESS (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256834	Ref	Engine Harness (ULS)	B
1	4460247	1	Terminal, Ring	
2	1001167636	1	Connector	
3	1001166707	2	Terminal	
4	4461006	2	Seal	
5	1001133714	1	Connector	
6	1001133715	3	Terminal	
7	1001135650	3	Seal	
8	1001135651	1	Plug	
9	4460891	1	Connector	
10	4460465	1	Terminal	
11	4460466	1	Plug	
12	4461095	1	Connector	
13	4460465	2	Terminal	
14	4460466	1	Plug	
15	4460539	1	Connector	
16	4460944	2	Terminal	
17	4460466	1	Plug	
18	4461018	1	Connector	
19	4460509	2	Terminal	
20	1001116812	1	Connector	
21	4460944	2	Terminal	
22	4460466	1	Plug	
23	4461095	1	Connector	
24	4460465	2	Terminal	
25	4460466	1	Plug	
26	4460891	1	Connector	
27	4460465	2	Terminal	
28	1001116812	1	Connector	
29	4460944	2	Terminal	
30	4460466	1	Plug	
31	4460891	1	Connector	
32	4460465	2	Terminal	
33	1001116950	1	Connector	
34	4460465	2	Terminal	
35	4460891	1	Connector	
36	4460465	2	Terminal	
37	4460891	1	Connector	
38	4460465	2	Terminal	
39	4460891	1	Connector	
40	4460465	2	Terminal	
41	4460891	1	Connector	
42	4460465	2	Terminal	
43	4460891	1	Connector	
44	4460465	2	Terminal	
45	4460891	1	Connector	
46	4460465	2	Terminal	
47	4460891	1	Connector	
48	4460465	2	Terminal	
49	4460891	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460465	2	Terminal	
51	4460891	1	Connector	
52	4460465	2	Terminal	
53	4460891	1	Connector	
54	4460465	2	Terminal	
55	1001209097	1	Connector	
56	8220124	2	Terminal	
57	4460608	2	Seal	
58	1001126487	1	Connector	
59	1001167634	2	Terminal	
60	1001126485	2	Seal	
61	1001126487	1	Connector	
62	1001167634	2	Terminal	
63	1001126485	2	Seal	
64	1001117110	1	Terminal, Ring	
65	1001117110	1	Terminal, Ring	
66	4460256	1	Terminal, Ring	
67	1001117109	1	Terminal, Ring	
68	1001117110	1	Terminal, Ring	
69	4460933	1	Connector	
70	4460465	7	Terminal	
71	4460466	5	Plug	
72	1001144147	1	Connector	
73	4460464	2	Terminal	
74	4460466	1	Plug	
75	4460950	1	Connector	
76	4460464	8	Terminal	
77	4460466	4	Plug	
78	1001116811	1	Connector	
79	4460508	3	Plug	
80	4460466	1	Plug	
81	4460970	1	Connector	
82	4460464	8	Terminal	
83	4460466	4	Plug	
84	4460539	1	Connector	
85	4460944	2	Terminal	
86	4460466	1	Plug	
87	1001116812	1	Connector	
88	4460944	2	Terminal	
89	4460466	1	Plug	
90	1001118282	1	Connector	
91	1001116734	2	Terminal	
92	1001116732	2	Terminal	
93	1001128128	1	Plug	
94	4460894	1	Connector	
95	4460465	5	Terminal	
96	4460466	1	Plug	
97	4460933	1	Connector	
98	4460944	12	Terminal	
99	8220115	1	Terminal, Ring	
100	4460539	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460465	2	Terminal	
102	1001167631	1	Connector	
103	1001167630	4	Terminal	
104	1001126485	4	Seal	
105	1001138116	1	Connector	
106	1001133715	3	Terminal	
107	1001135650	4	Seal	
108	1001126487	1	Connector	
109	1001167635	2	Terminal	
110	1001126485	2	Seal	
111	1001167616	1	Box, Fuse	
112	8220097	19	Terminal	
113	8220098	9	Terminal	
114	1001116725	3	Terminal	
115	1001116726	9	Terminal	
116	1001175265	19	Seal	
117	4460458	9	Seal	
118	4460789	6	Seal	
119	80963067	4	Seal	
120	4460748	5	Plug	
121	2902443	1	Kit, Receptacle	
122	4461071	6	Terminal	
123	8220108	1	Terminal, Blade	
124	8220108	1	Terminal, Blade	
125	1001126362	1	Connector	
126	1001166556	26	Terminal	
127	1001166701	26	Seal	
128	1001166774	10	Terminal	
129	1001126393	10	Seal	
130	1001166543	2	Terminal	
131	4461054	2	Seal	
132	1001166541	2	Terminal	
133	4461006	2	Seal	
134	1001126391	20	Plug	
135	4461008	2	Plug	
136	1001126245	1	Connector	
137	1001126008	2	Terminal	
138	1001148842	1	Connector	
139	1001148841	3	Terminal	
140	1001135650	3	Seal	
141	1001135651	1	Plug	
142	4460539	1	Connector	
143	4460944	2	Terminal	
144	4460466	1	Plug	
145	1001116812	1	Connector	
146	4460944	2	Terminal	
147	4460466	1	Plug	
148	1001116812	1	Connector	
149	4460944	2	Terminal	
150	4460466	1	Plug	
151	4460539	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
152	4460944	2	Terminal	
153	4460466	1	Plug	
154	1001116950	1	Connector	
155	4460465	2	Terminal	
156	1001167629	1	Connector	
157	1001167630	4	Terminal	
158	1001126485	4	Seal	
159	1001167625	1	Connector	
160	1001166555	13	Terminal	
161	1001167621	50	Terminal	
162	1001167623	5	Plug	
163	1001167622	37	Terminal	
164	1001167615	1	Connector	
165	1001166551	6	Terminal	
166	1001126353	6	Seal	
167	1001167621	21	Terminal	
168	1001167622	64	Plug	
169	4460891	1	Connector	
170	4460465	2	Terminal	
171	4460891	1	Connector	
172	4460465	2	Terminal	
173	1001133714	1	Connector	
174	1001133715	3	Terminal	
175	1001135650	3	Seal	
176	1001135651	1	Plug	
177	1001167528	1	Connector	
178	1001166704	4	Terminal	
179	1001137578	4	Seal	
180	4460891	1	Connector	
181	4460942	2	Terminal	
182	4460891	1	Connector	
183	4460942	2	Terminal	
184	4460891	1	Connector	
185	4460942	2	Terminal	
186	1001165194	1	Connector	
187	1001166556	8	Terminal	
188	1001116701	8	Seal	
189	1001166774	2	Terminal	
190	1001126393	2	Seal	
191	1001126391	2	Plug	
192	1001167620	1	Connector	
193	1001176004	2	Terminal	
194	1001176002	2	Seal	
195	1001167624	2	Plug	
196	4460466	6	Seal	
197	4460892	1	Terminal	
198	4460897	3	Connector	
199	4460945	4	Receptacle, 3-Way	
200	4461070	2	Connector	
201	8229242	5	Fuse, 5A	
202	8229244	1	Fuse, 15A	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
203	8229245	1	Fuse, 30A	
204	8229247	1	Fuse, 25A	
205	1001125677	1	Connector	
206	1001177597	1	Fuse, 6A	
207	1001190921	1	Seal, Fuse Box	
208	1001205172	5	Fuse, 35A	
209	1001116815	3	Connector	

FIGURE 10-35. ENGINE HARNESS (LS)

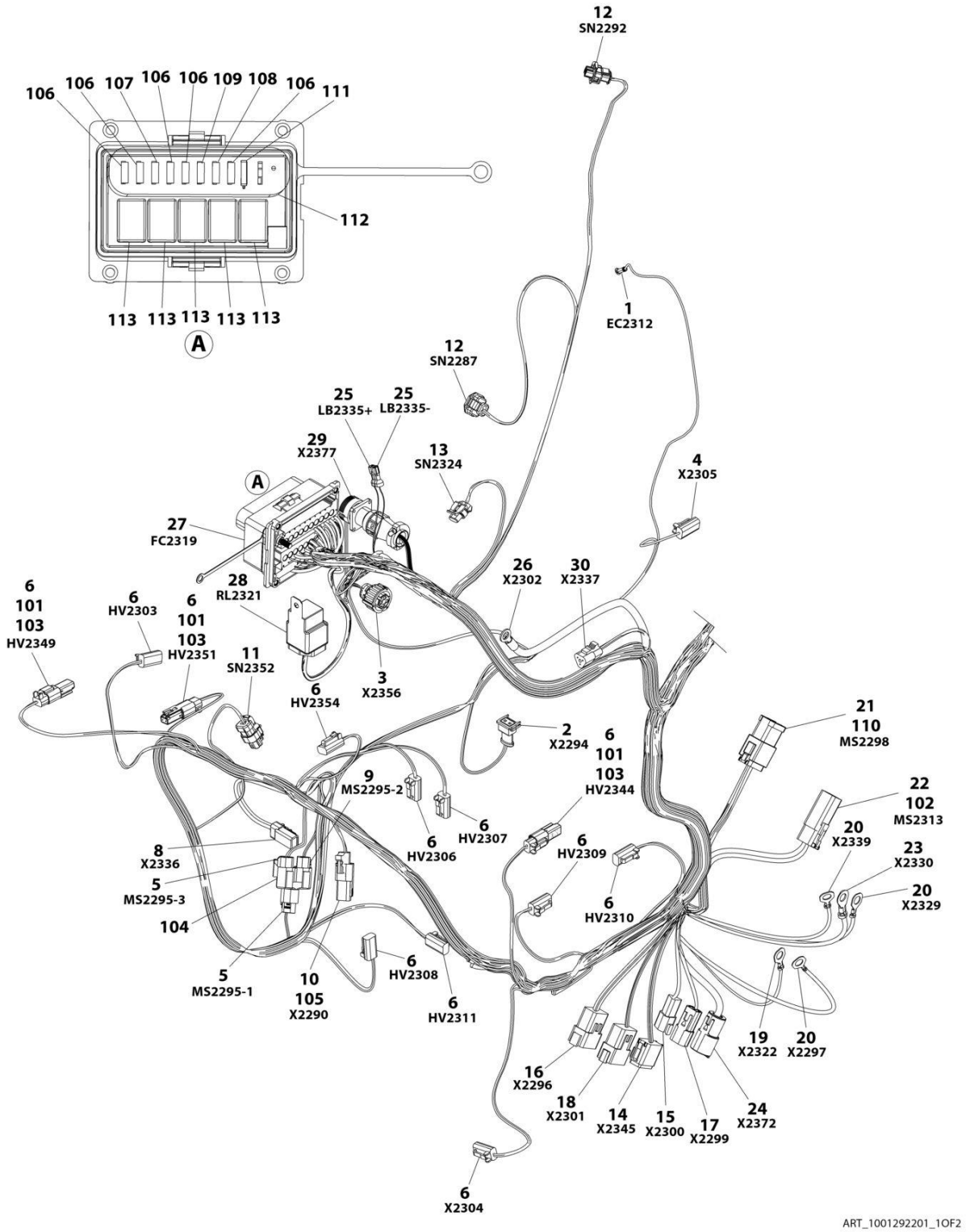


FIGURE 10-36. ENGINE HARNESS (LS)

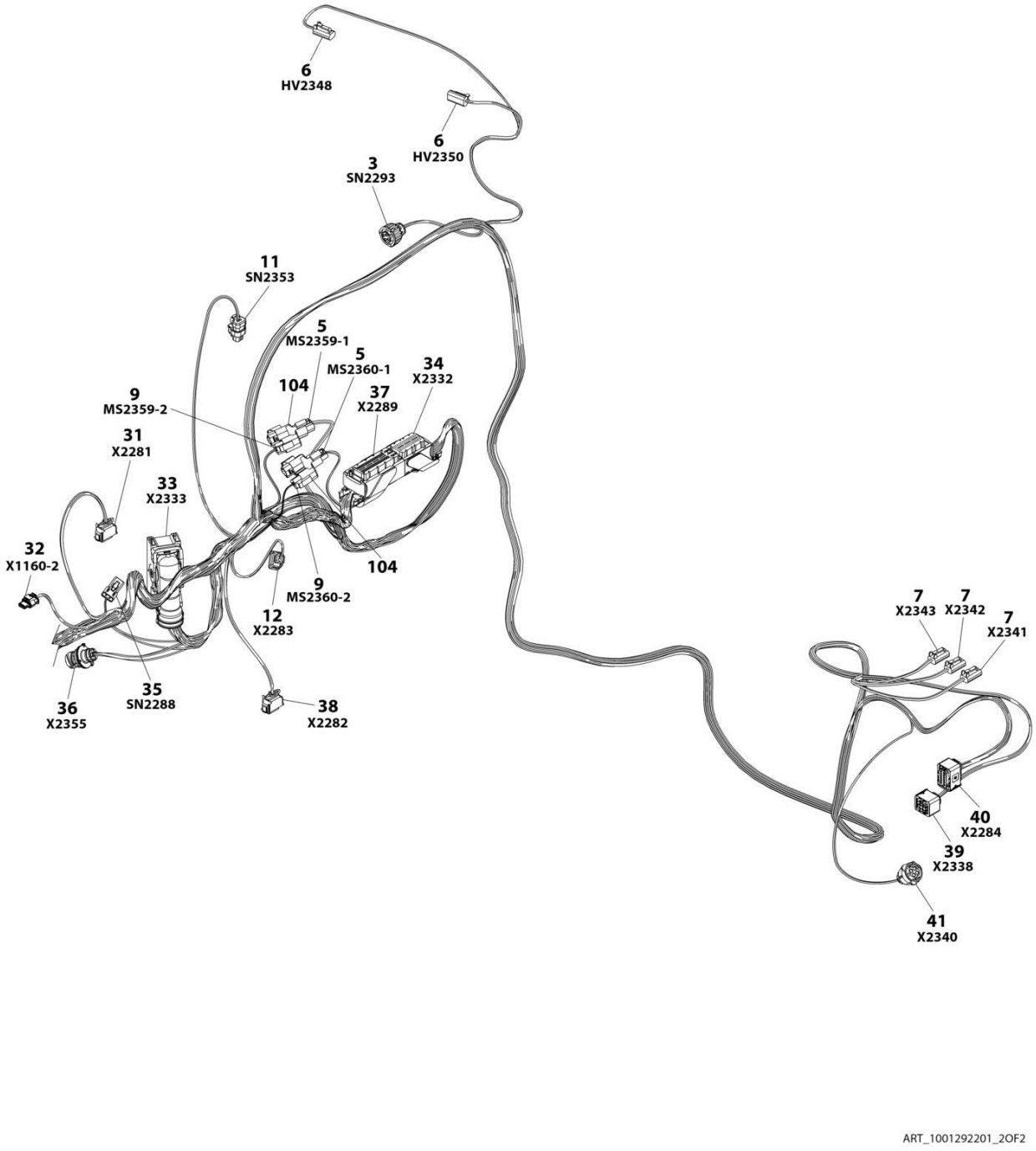


FIGURE 10-36. ENGINE HARNESS (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001292201	Ref	ENGINE DEUTZ HRC HARNESS	A
1	4460247	1	Terminal, Ring	
2	1001167636	1	Connector	
2	1001166707	2	Socket	
2	4461006	2	Seal	
3	1001133714	2	Connector	
3	1001133715	6	Socket	
	1001135250	6	Seal	
4	4460891	1	Connector	
4	4460465	1	Socket	
5	1001116812	4	Connector	
5	4460944	8	Socket	
6	4460891	14	Connector	
6	4460465	28	Socket	
7	4460891	3	Connector	
7	4460942	6	Socket	
8	4461018	1	Connector	
8	4460509	2	Socket	
9	4460539	3	Connector	
9	4460944	6	Socket	
10	4461095	1	Connector	
10	4460944	2	Socket	
11	1001116950	2	Connector	
11	1001118390	4	Socket	
12	1001126487	3	Connector	
12	1001167635	6	Socket	
12	1001126485	6	Seal	
13	1001209097	1	Connector	
13	8220124	2	Socket	
13	4460608	2	Seal	
14	4460933	1	Connector	
14	4460465	7	Socket	
15	1001144147	1	Connector	
15	4460464	2	Pin	
16	4460950	1	Connector	
16	4460464	8	Pin	
17	1001116811	1	Connector	
17	4460508	1	Pin	
18	4460970	1	Connector	
18	4460464	8	Pin	
19	1001187078	1	Terminal, Ring	
20	1001187080	3	Terminal, Ring	
21	4460933	1	Connector	
21	4460465	12	Socket	
22	4460894	1	Connector	
22	4460465	6	Socket	
23	1001187076	1	Terminal, Ring	
24	1001293903	1	Connector	
24	91013191	1	Pin	
25	8220108	2	Socket	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
26	8220115	1	Terminal, Ring	
27	1001167616	1	Connector	
27	8220097	19	Socket (18AWG)	
27	1001116726	9	Socket (16AWG)	
27	8220098	9	Socket (14AWG)	
27	1001116725	3	Socket (10-12AWG)	
27	1001175265	19	Seal	
27	4460458	18	Seal	
27	80963067	3	Seal	
28	1001118282	1	Connector	
28	1001116732	2	Socket (18-20AWG)	
28	1001116734	2	Socket (12AWG)	
29	2902443	1	Connector	
29	4461071	6	Socket	
30	4460539	1	Connector	
30	4460465	3	Socket	
31	1001167631	1	Connector	
31	1001167630	4	Socket	
31	1001126485	4	Seal	
32	1001247948	1	Connector	
32	1001247955	3	Socket	
32	1001247969	3	Seal	
33	1001126362	1	Connector	
33	1001166556	36	Socket (18-22AWG)	
33	1001166774	12	Socket (16-18AWG)	
33	1001166543	2	Socket (14-16AWG)	
33	1001126393	48	Seal	
33	4461054	2	Seal	
34	1001126360	1	Connector	
34	1001126351	13	Socket (15-18AWG)	
34	1001126384	27	Socket (18-20AWG)	
35	1001126245	1	Connector	
35	1001126008	2	Socket	
36	1001148842	1	Connector	
36	1001148841	3	Socket	
37	1001126349	1	Connector	
37	1001126352	6	Socket (13-17AWG)	
37	1001126351	3	Socket (15-18AWG)	
37	1001126384	45	Socket (18-20AWG)	
37	1001126353	6	Seal	
38	1001167629	1	Connector	
38	1001167630	4	Socket	
38	1001126485	4	Seal	
39	1001167528	1	Connector	
39	1001166704	4	Socket	
39	1001137548	4	Seal	
40	1001165194	1	Connector	
40	1001166556	8	Socket (18-22AWG)	
40	1001166774	1	Socket (16-18AWG)	
40	1001126393	9	Seal	
41	1001167620	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	1001176004	2	Socket	
41	1001176002	2	Seal	
101	4460466	6	Plug	
102	4460892	1	Terminal	
103	4460897	3	Connector	
104	4460945	3	Receptacle, 3-Way	
105	4461070	1	Connector	
106	8229242	5	Fuse, 5A	
107	8229244	1	Fuse, 15A	
108	8229245	1	Fuse, 30A	
109	8229247	1	Fuse, 25A	
110	1001125677	1	Connector	
111	1001177597	1	Model, Diode	
112	1001190921	1	Seal, Fuse Box	
113	1001205172	5	Fuse, 35A	
114	1001293903	1	Connector (Not Shown)	

FIGURE 10-37. ENGINE ECU HRC INSTALLATION

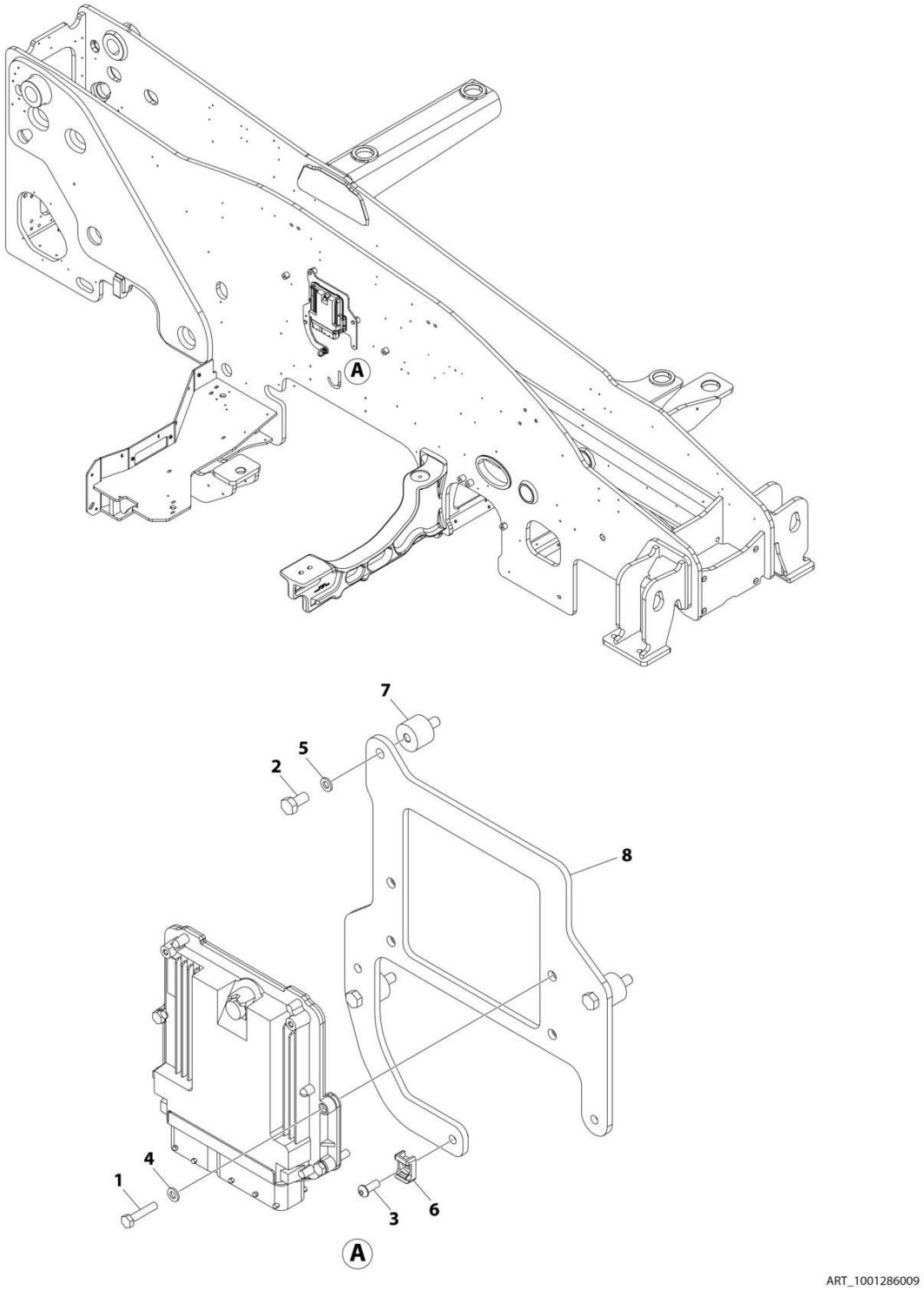
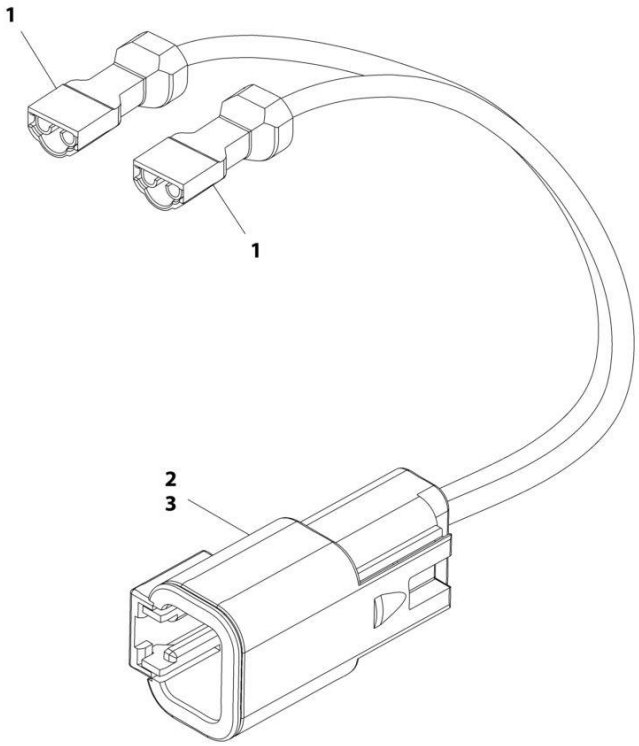


FIGURE 10-37. ENGINE ECU HRC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286009	Ref	ENGINE EUC INSTALLATION	A
1	0760614	4	Bolt M6 x 30	
2	0760808	3	Bolt, M8X16	
3	3900357	1	Capscrew, M6X16	
4	4811700	4	Washer, M6	
5	4811900	3	Washer, M8	
6	1001138645	1	Mount, Cable Tie	
7	1001179907	3	Mount, Isolator	
8	1001286598	1	Bracket	

FIGURE 10-38. ENGINE FUEL PUMP HARNESS

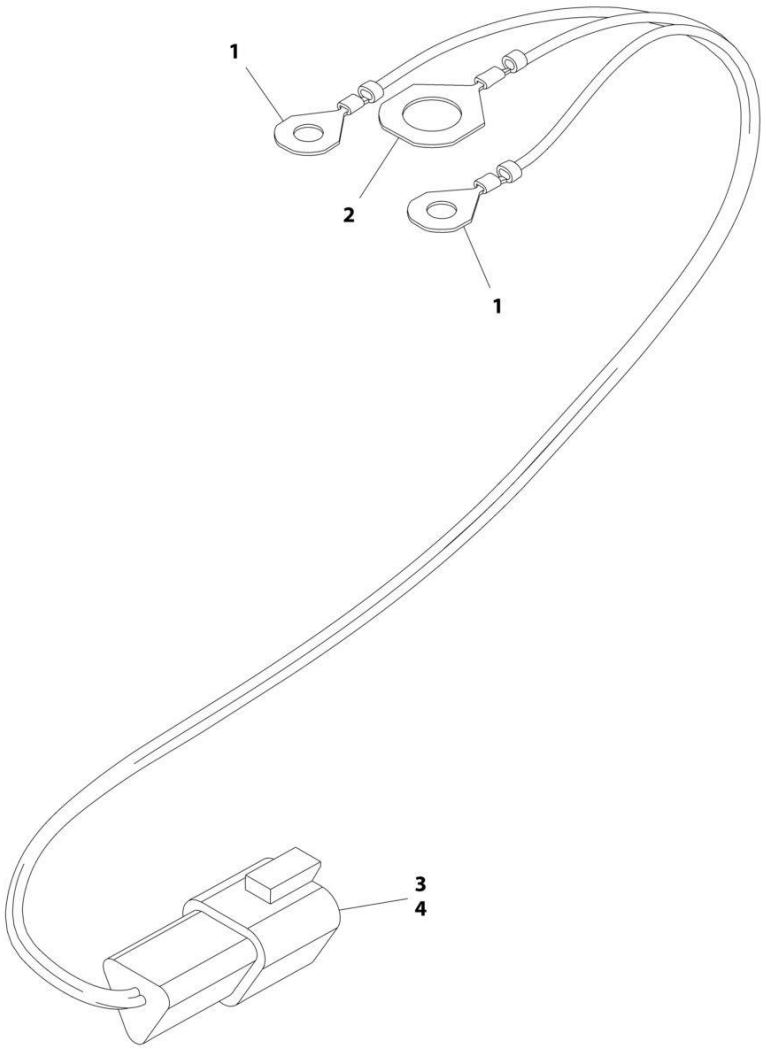


ART_1001182929-E

FIGURE 10-38. ENGINE FUEL PUMP HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182929	Ref	Fuel Pump Harness	E
1	8220043	2	Connector	
2	4461017	1	Connector	
3	4460508	2	Terminal	

FIGURE 10-39. ENGINE GLOW PLUG RELAY HARNESS

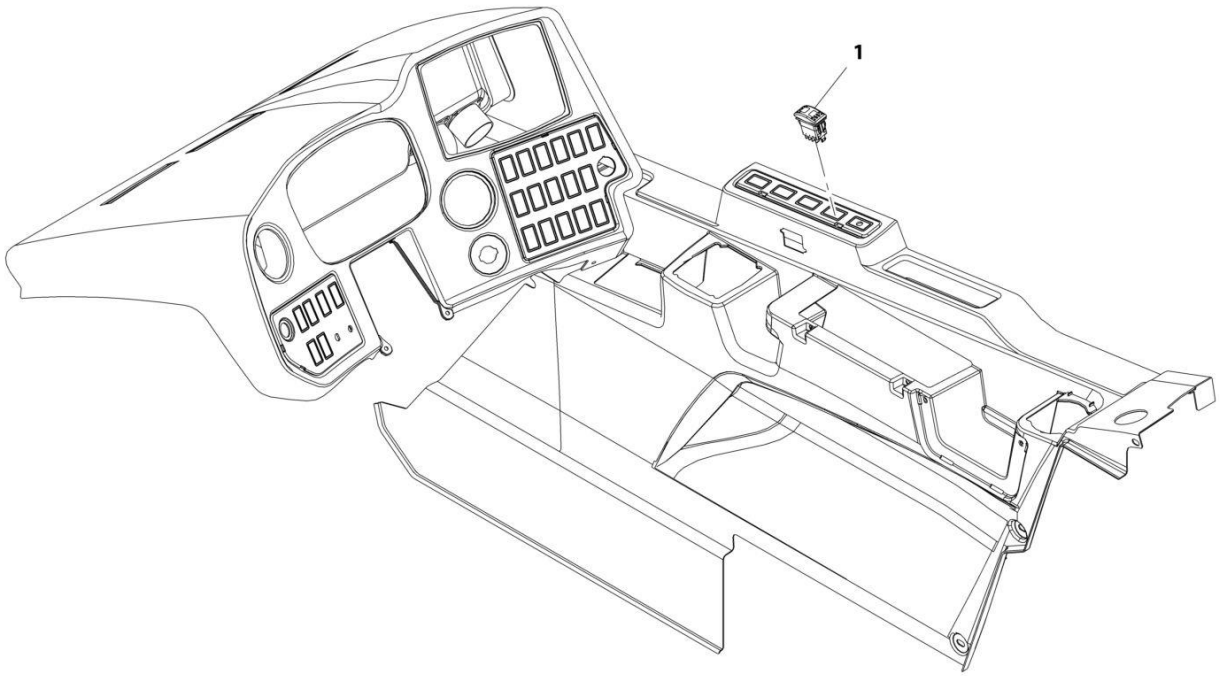


ART_1001182930-C

FIGURE 10-39. ENGINE GLOW PLUG RELAY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182930	Ref	Glow Plug Relay Harness	C
1	1001187070	2	Ring, Terminal	
2	1001187077	1	Ring, Terminal	
3	4460536	1	Connector	
4	4460464	3	Terminal	

FIGURE 10-40. ENGINE SPEED SET SWITCH INSTALLATION



ART_1001197639-B

FIGURE 10-40. ENGINE SPEED SET SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197639	1	Engine Speed Set Switch Installation	B
1	1001198932	1	Switch, Engine Speed Set	

FIGURE 10-41. FRAME MAIN ELECTRICAL INSTALLATION

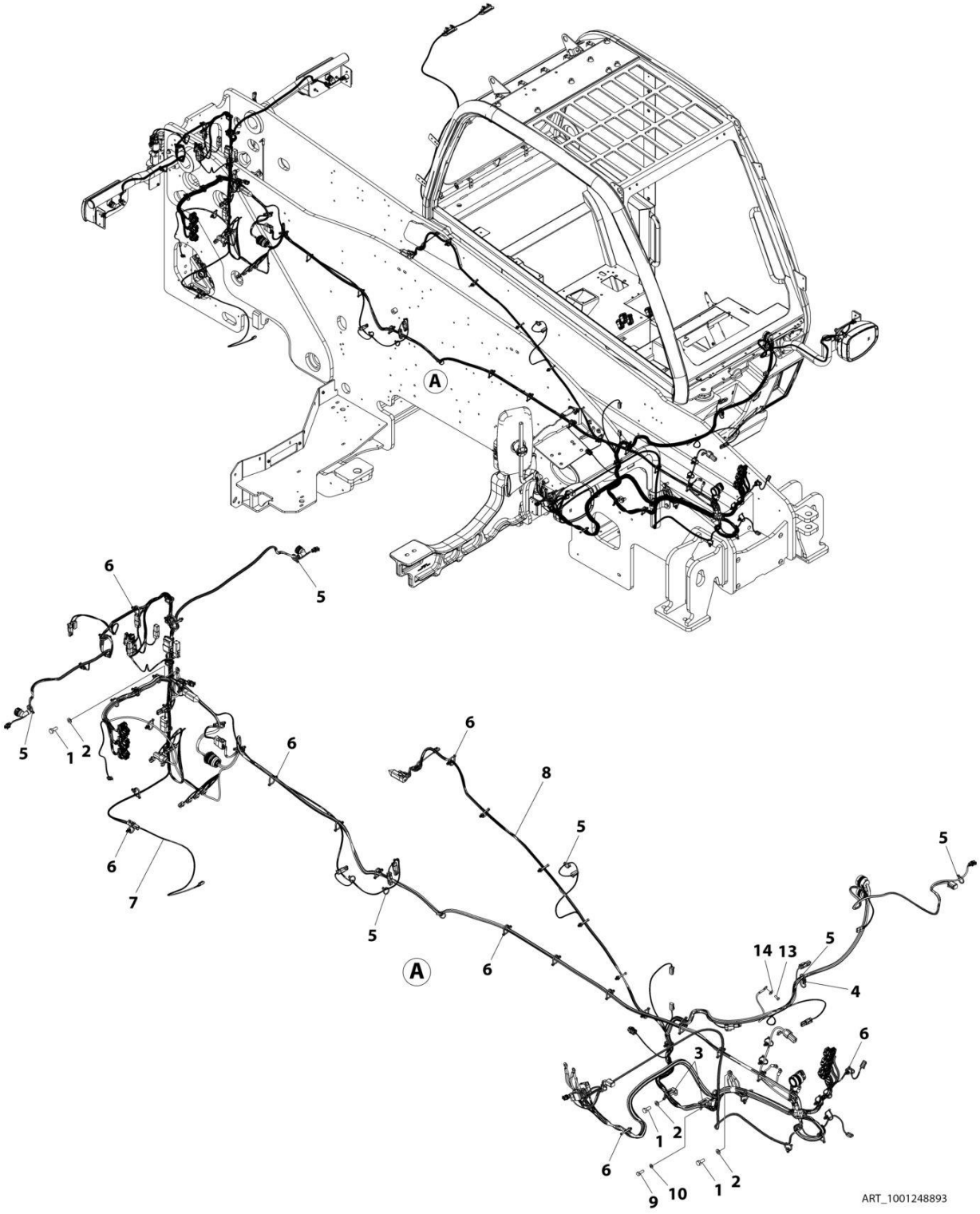


FIGURE 10-41. FRAME MAIN ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248893	Ref	MAIN ELECTRICAL INSTALLATION	D
1	0761012	3	Bolt, M10 x 25	
2	4812000	3	Washer, M10	
3	1001003305	2	Clip	
4	1001004723	1	Saddle	
5	1001008559	14	Strap, Cable	
6	1001146588	50	Strap, Cable Tie	
7	1001248891	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
8	1001268851	1	Harness, Front Frame (See Separate Breakdown in this Section)	
9	0700812	1	Capscrew M8 x 25	
10	4811900	1	Washer M8	
13	0760608	1	Capscrew M6 x 16	
14	4811702	1	Washer M6	

FIGURE 10-42. FRAME HARNESS - REAR

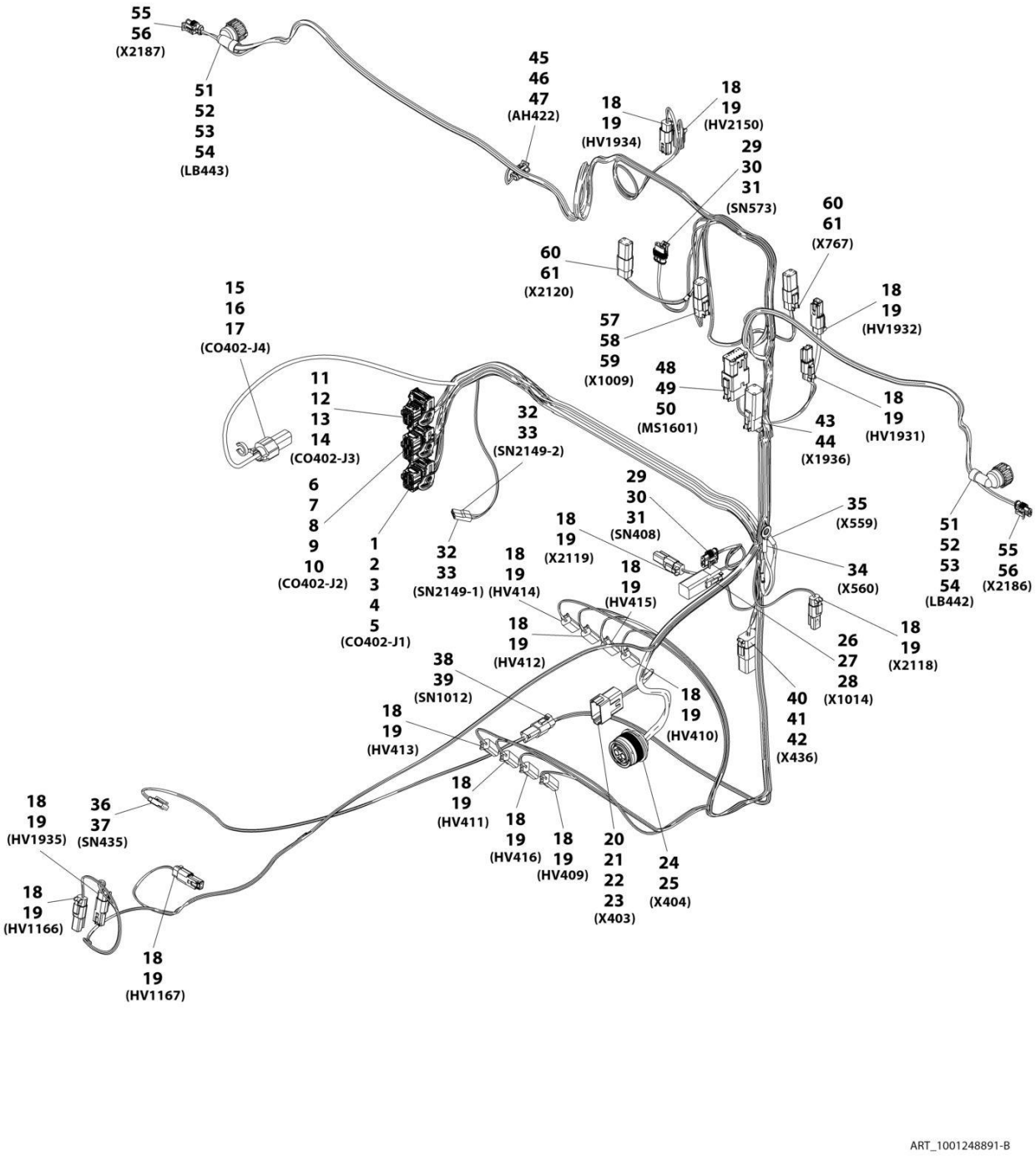


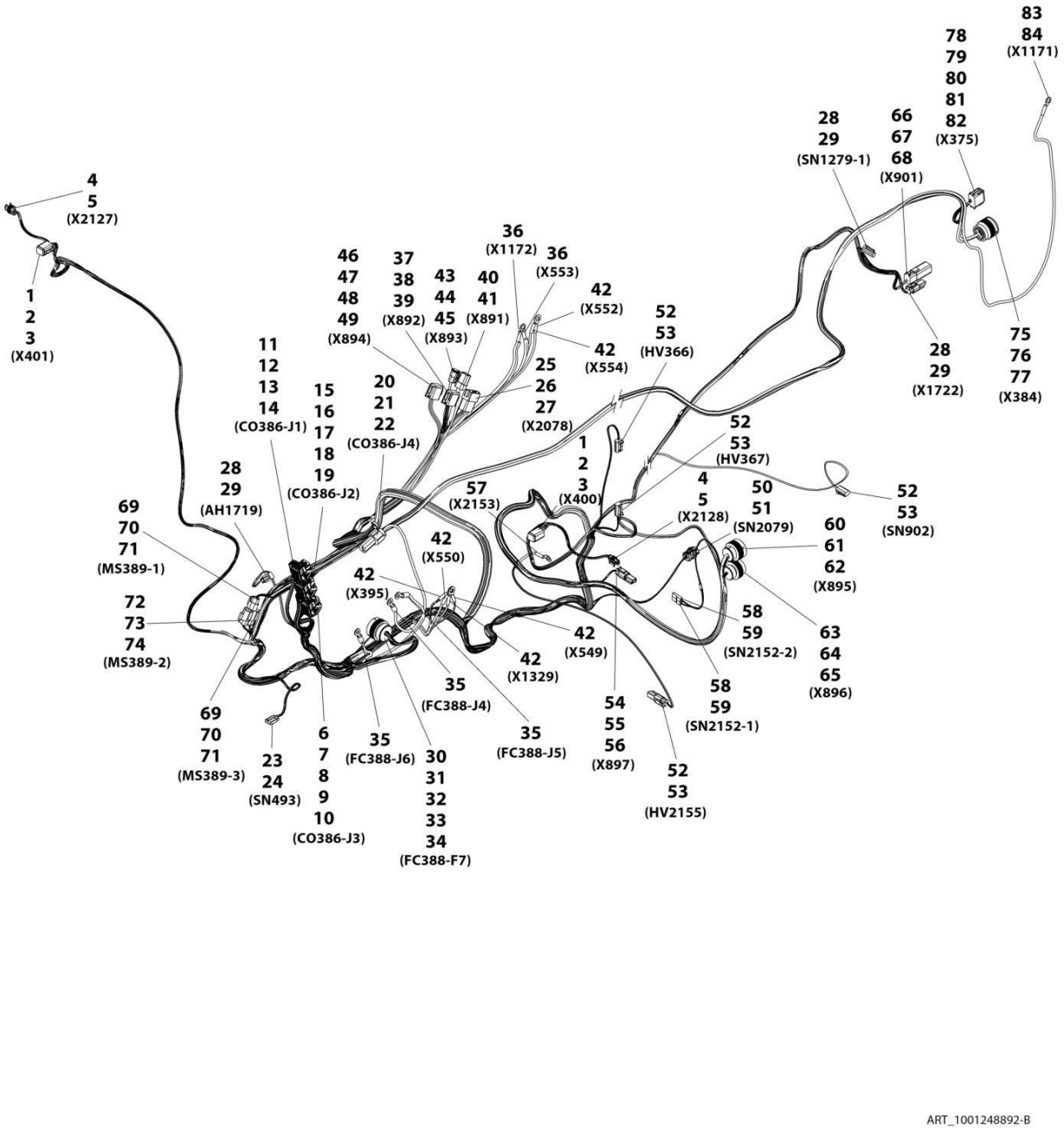
FIGURE 10-42. FRAME HARNESS - REAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248891	Ref	Rear Frame Harness	B
1	1001161958	1	Connector	
2	1001161095	11	Terminal	
3	1001161100	13	Terminal	
4	1001161101	4	Terminal	
5	1001161099	4	Terminal	
6	1001161964	1	Connector	
7	1001161095	29	Terminal	
8	1001161100	11	Plug	
9	1001161099	7	Terminal	
10	1001161101	1	Plug	
11	1001160499	1	Connector	
12	1001161100	20	Plug	
13	1001161095	5	Terminal	
14	1001161099	7	Terminal	
15	1001160509	1	Connector	
16	1001160510	1	Terminal	
17	1001175266	1	Seal	
18	4460891	1	Connector	
19	4460465	2	Terminal	
20	4460970	1	Connector	
21	4460464	4	Terminal	
22	1001157891	1	Terminal	
23	4460466	7	Plug	
24	1001165311	1	Connector	
25	91013191	2	Terminal	
26	4460894	1	Connector	
27	4460465	2	Terminal	
28	4460466	4	Plug	
29	4461262	1	Connector	
30	1001107854	3	Terminal	
31	1001104498	3	Seal	
32	1001116995	1	Connector	
33	1001118379	1	Terminal	
34	1001117110	1	Connector	
35	1001117108	1	Connector	
36	4460911	1	Connector	
37	1001126008	3	Terminal	
38	4460539	1	Connector	
39	4460465	3	Terminal	
40	4460931	1	Connector	
41	4460465	6	Terminal	
42	4460466	2	Plug	
43	4460894	1	Connector	
44	4460942	6	Terminal	
45	4461118	1	Connector	
46	1001107854	2	Terminal	
47	1001104498	2	Seal	
48	4460933	1	Connector	
49	4460465	10	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460466	2	Plug	
51	1001116996	1	Connector	
52	1001118392	6	Terminal	
53	4461054	6	Seal	
54	1001116696	1	Plug	
55	4461118	1	Connector	
56	1001107854	2	Terminal	
57	4460884	1	Connector	
58	4460465	2	Terminal	
59	4460466	2	Plug	
60	4460884	1	Connector	
61	4460465	4	Plug	

FIGURE 10-43. FRAME HARNESS - REAR



ART_1001248892-B

FIGURE 10-43. FRAME HARNESS - REAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248892	Ref	Front Frame Harness	B
1	4460894	1	Connector	
2	4460942	5	Terminal	
3	4460466	1	Plug	
4	4461118	1	Connector	
5	1001107854	3	Terminal	
6	1001160500	1	Connector	
7	1001161100	13	Plug	
8	1001161095	11	Terminal	
9	1001161101	1	Plug	
10	1001161099	7	Terminal	
11	1001161957	1	Connector	
12	1001161095	11	Terminal	
13	1001161100	18	Plug	
14	1001161098	3	Terminal	
15	1001161963	1	Connector	
16	1001161095	18	Terminal	
17	1001161100	22	Plug	
18	1001161099	6	Terminal	
19	1001161101	2	Plug	
20	1001160509	1	Connector	
21	1001160510	1	Terminal	
22	1001175266	1	Seal	
23	4460911	1	Connector	
24	1001126008	3	Terminal	
25	4460970	1	Connector	
26	4460464	7	Terminal	
27	4460466	5	Plug	
28	4460891	1	Connector	
29	4460942	2	Terminal	
30	1001165309	1	Connector	
31	4460466	2	Plug	
32	4460465	7	Terminal	
33	4460509	7	Terminal	
34	1001150611	4	Terminal	
35	8220114	1	Connector	
36	1001128127	1	Connector	
37	4460933	1	Connector	
38	4460465	9	Terminal	
39	4460466	3	Plug	
40	1001116810	1	Connector	
41	4460509	4	Terminal	
42	1001117110	1	Connector	
43	1001116812	1	Connector	
44	4460465	2	Terminal	
45	4460466	1	Terminal	
46	4460836	1	Connector	
47	4460942	1	Terminal	
48	4460465	9	Terminal	
49	4460466	2	Plug	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001116950	1	Connector	
51	4460465	2	Terminal	
52	4460891	1	Connector	
53	4460465	2	Terminal	
54	4460891	1	Connector	
55	1001157890	1	Terminal	
56	4460466	1	Plug	
57	1001117109	1	Connector	
58	1001116995	1	Connector	
59	1001118379	1	Terminal	
60	1001118323	1	Connector	
61	4460942	4	Terminal	
62	91013192	2	Terminal	
63	4461015	1	Connector	
64	4460465	7	Terminal	
65	4460466	7	Plug	
66	4460894	1	Connector	
67	4460942	4	Terminal	
68	4460465	2	Terminal	
69	1001116812	1	Connector	
70	4460944	2	Terminal	
71	4460466	1	Plug	
72	4460539	1	Connector	
73	4460944	2	Terminal	
74	4460466	1	Plug	
75	1001165310	1	Connector	
76	1001116686	4	Terminal	
77	91013192	2	Terminal	
78	4460933	1	Connector	
79	4460465	3	Terminal	
80	4460942	1	Terminal	
81	1001157890	2	Terminal	
82	4460466	6	Plug	
83	1001117108	1	Connector	
84	1001117109	1	Terminal	

FIGURE 10-44. FRAME HARNESS - FRONT

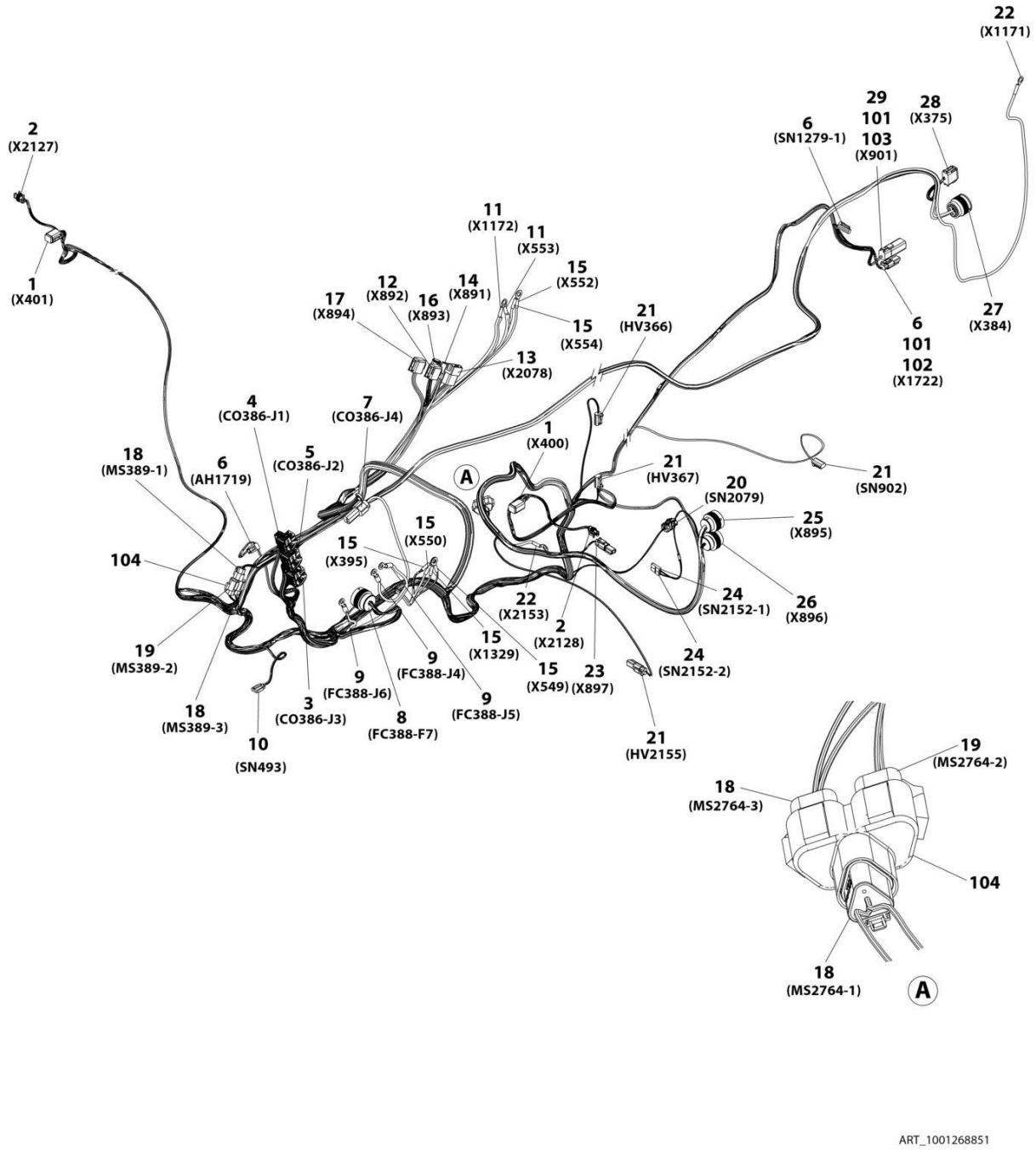


FIGURE 10-44. FRAME HARNESS - FRONT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268851	Ref	FRONT FRAME HARNESS	A
1	4460894	2	Connector	
1	4460942	10	Socket	
1	4460466	2	Plug	
2	4461118	2	Connector	
2	1001107854	4	Socket	
3	1001160500	1	Connector	
3	1001161095	11	Socket (18AWG)	
3	1001161099	7	Socket (16-14AWG)	
3	1001161100	14	Plug	
4	1001161957	1	Connector	
4	1001161095	11	Socket (18AWG)	
4	1001161098	3	Socket (20-16AWG)	
4	1001161100	17	Plug	
5	1001161963	1	Connector	
5	1001161095	18	Socket (18AWG)	
5	1001161099	6	Socket (16-14AWG)	
5	1001161101	23	Plug	
6	4460891	3	Connector	
6	4460742	6	Socket	
7	1001160509	1	Connector	
7	1001160510	1	Socket	
7	1001175266	1	Seal	
8	1001165309	1	Connector	
8	4460465	7	Socket (16-20AWG)	
8	1001150611	4	Socket (10-12AWG)	
8	4460509	6	Socket (12-14AWG)	
8	4460466	2	Plug	
9	8220114	3	Terminal, Ring	
10	4460911	1	Connector	
10	1001126008	3	Socket	
11	1001128127	2	Terminal, Ring	
12	4460933	1	Connector	
12	4460465	9	Socket	
12	4460466	3	Plug	
13	4460970	1	Connector	
13	4460464	7	Socket	
13	4460466	5	Plug	
14	1001116810	1	Connector	
14	4460509	4	Socket	
15	1001117110	6	Terminal, Ring	
16	1001116812	1	Connector	
16	4460465	2	Socket	
16	4460466	1	Plug	
17	4460836	1	Connector	
17	4460942	1	Socket (14-16AWG)	
17	4460465	9	Socket (16-20AWG)	
17	4460466	2	Plug	
18	1001116812	4	Connector	
18	4460944	8	Socket	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	4460466	4	Plug	
19	4460539	2	Connector	
19	4460944	4	Socket	
19	4460466	2	Plug	
20	1001116950	1	Connector	
20	4460465	2	Socket	
21	4460891	4	Connector	
21	4460465	8	Socket	
22	1001119109	2	Terminal, Ring	
23	4460891	1	Connector	
23	1001157890	1	Socket	
23	4460466	1	Plug	
24	1001116995	2	Connector	
24	1001118379	2	Socket	
25	1001118323	1	Connector	
25	4460942	4	Socket (14-16AWG)	
25	91013192	2	Socket (6AWG)	
26	4461015	1	Connector	
26	4460465	9	Socket	
26	4460466	5	Plug	
27	1001165310	1	Connector	
27	91013192	2	Socket	
27	1001116686	4	Plug	
28	4460933	1	Connector	
28	4460465	3	Socket (16-20AWG)	
28	4460942	1	Socket (14-16AWG)	
28	1001157890	2	Socket (12-16AWG)	
28	4460466	6	Plug	
29	4460894	1	Connector	
29	4460942	4	Socket (14-16AWG)	
29	4460465	2	Socket (16-20AWG)	

FIGURE 10-45. IGNITION SWITCH INSTALLATION

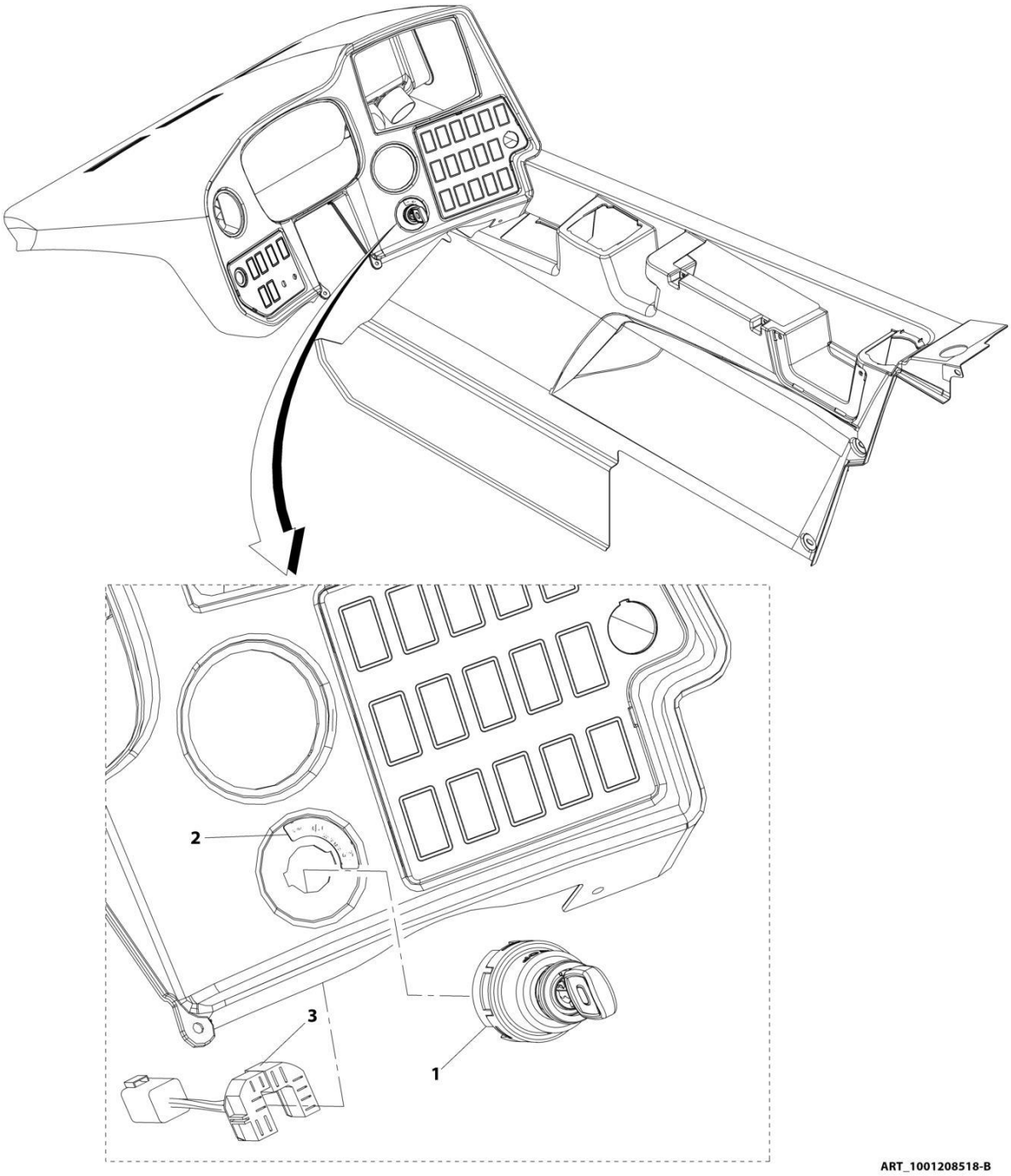


FIGURE 10-45. IGNITION SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208518	Ref	Ignition Switch Installation	B
1	1001102502	1	Switch, 4 Position Key	
1	70022765	1	Key, Ignition	
2	1001181531	1	Decal, Ignition Switch	
3	1001223968	1	Harness, Ignition Switch	

FIGURE 10-46. LIGHTS - DIP LIGHTS INSTALLATION (RH)

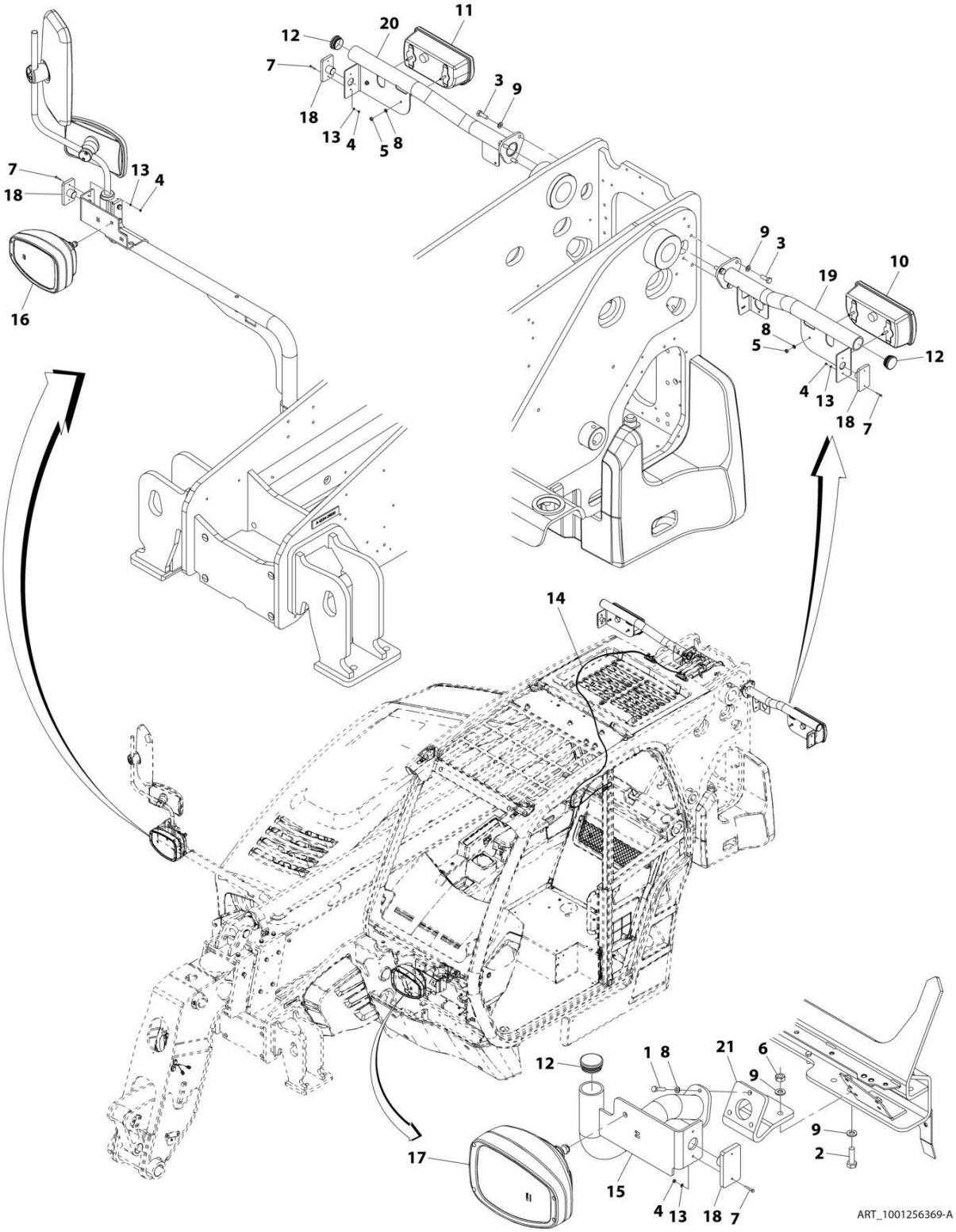


FIGURE 10-46. LIGHTS - DIP LIGHTS INSTALLATION (RH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256369	Ref	Dip Lights Installation (RHD - No Outriggers)	B
1	0700614	3	Bolt M6 X 30	
2	0701015	2	Bolt M10 X 35	
3	0761012	1	Bolt M10 X 25	
4	3290305	8	Nut, Lock M3 X 0.5	
5	3290601	4	Nut M6 X 1	
6	3291001	2	Nut M10 X 1.5	
7	4010310	8	Screw M3 X 20	
8	4811700	7	Washer M6	
9	4812000	10	Washer M10	
10	1001091715	1	Taillight (LH)	
11	1001091716	1	Taillight (RH)	
12	1001096913	3	Bracket	
13	1001110544	8	Washer	
14	1001189569	1	Installation, License Plate Lamp (See Separate Breakdown in this Section)	
15	1001242650	1	Bracket	
16	1001244593	1	Headlight (RH)	
17	1001244594	1	Headlight (LH)	
18	1001248416	4	Light, Side Marker	
19	1001248899	1	Bracket	
20	1001248901	1	Bracket	
21	1001248902	1	Mount	

FIGURE 10-47. LIGHTS - LICENSE PLATE LAMP INSTALLATION

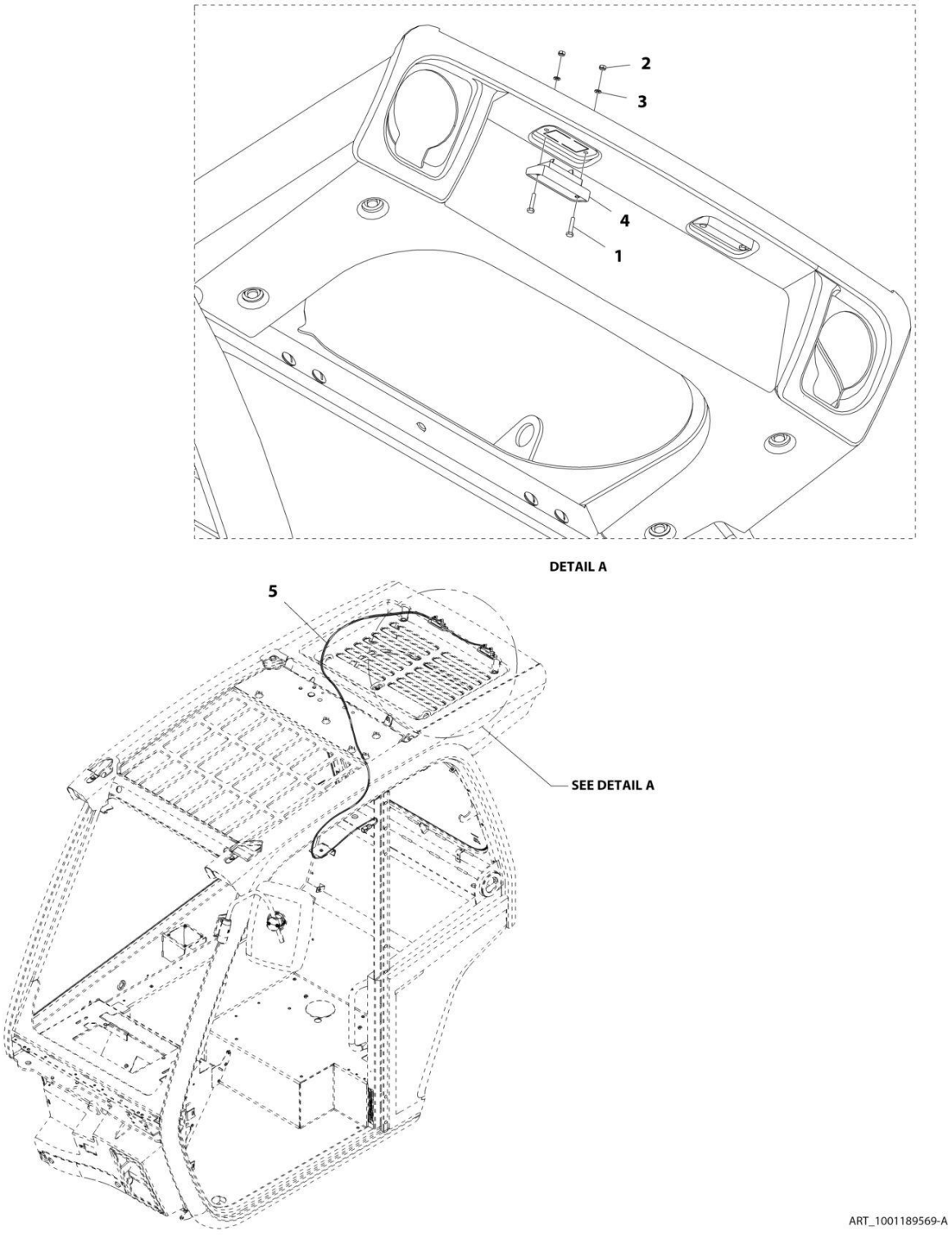


FIGURE 10-47. LIGHTS - LICENSE PLATE LAMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189569	Ref	License Plate Lamp Installation	A
1	0760410	4	Bolt, M4X20	
2	3290401	4	Nut, M4X0.7 Grade 8	
3	4831400	4	Washer, Lock M4	
4	1001173829	2	Lamp, License Plate	
5	1001178053	1	Harness, License Light (See Separate Breakdown in this Section)	

FIGURE 10-48. LIGHTS - LICENSE PLATE LAMP HARNESS

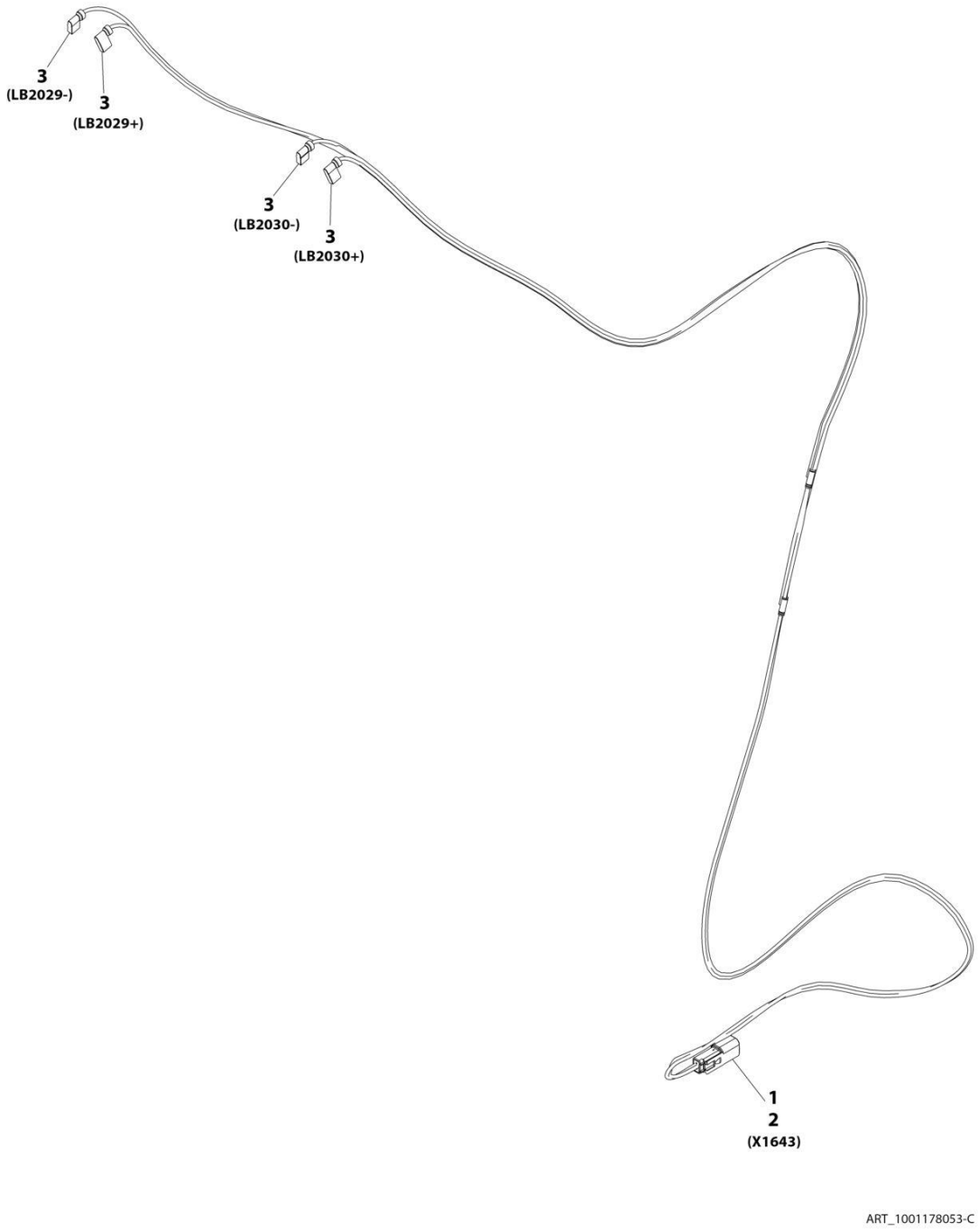


FIGURE 10-48. LIGHTS - LICENSE PLATE LAMP HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178053	Ref	License Light Harness	C
1	4460897	1	Connector	
2	4460941	2	Terminal	
3	1001190396	4	Connector	

FIGURE 10-49. LIGHTS - NO ROADLIGHTS INSTALLATION

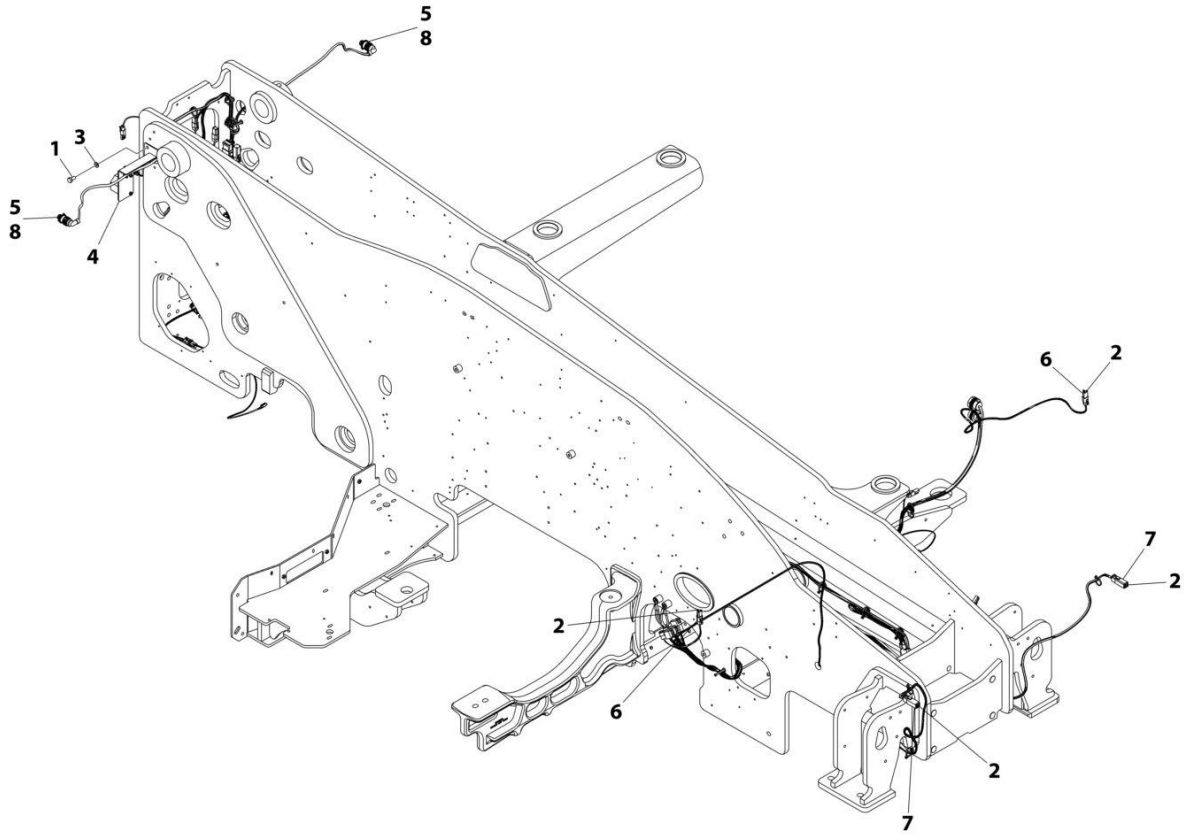


FIGURE 10-49. LIGHTS - NO ROADLIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225382	Ref	No Road Lights Installation	A
1	0761010	2	Bolt, M10X20	
2	4460466	18	Plug	
3	4812000	2	Washer, M10	
4	1001225386	1	Mount, Reverse Alarm	
5	1001225658	2	Connector	
6	4460536	2	Connector	
7	4460899	2	Connector	
8	4461008	14	Plug	

FIGURE 10-50. LIGHTS - WORKLIGHTS INSTALLATION (BOOM MOUNTED)

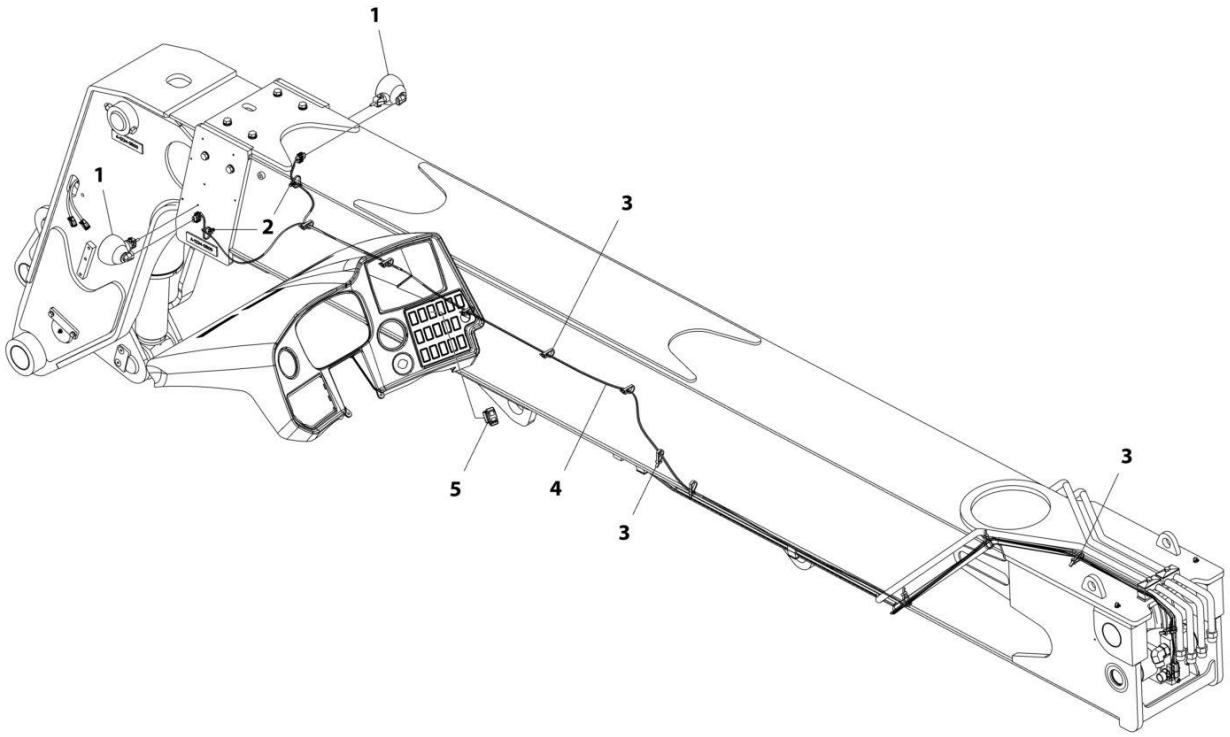


FIGURE 10-50. LIGHTS - WORKLIGHTS INSTALLATION (BOOM MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180529	Ref	Boom Worklights Installation	D
1	2920206	2	Worklight	
2	1001146588	2	Strap, Cable	
3	1001008923	11	Strap, Cable	
4	1001183297	1	Harness, Boom Worklights (See Separate Breakdown in this Section)	
5	1001159739	1	Switch, Boom Worklights	

FIGURE 10-51. LIGHTS - WORKLIGHTS INSTALLATION - LED (BOOM MOUNTED)

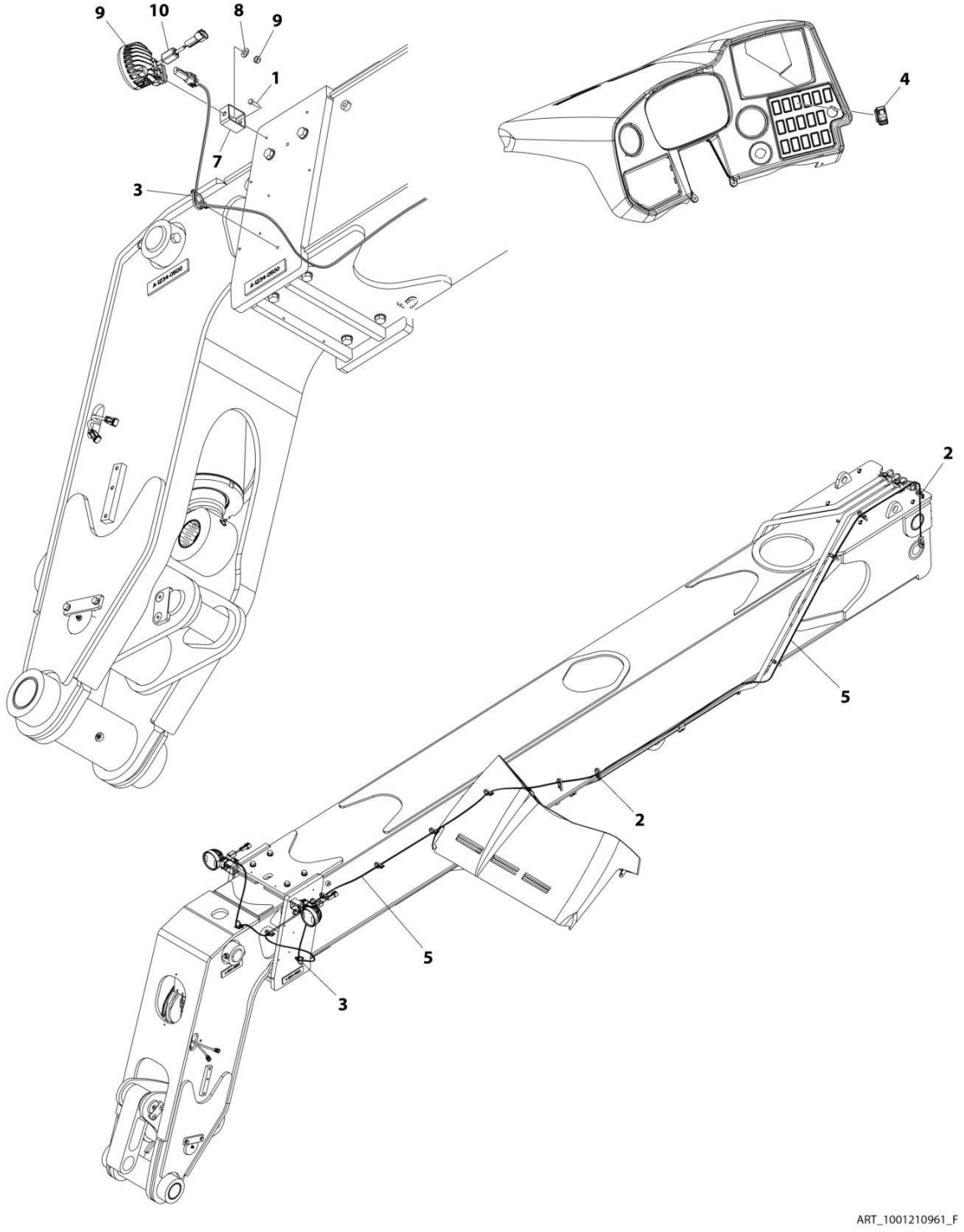


FIGURE 10-51. LIGHTS - WORKLIGHTS INSTALLATION - LED (BOOM MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210961	Ref	BOOM LED WORKLIGHTS INSTALLATION	F
1	0760610	2	Bolt M6 x 20	
2	1001008923	11	Strap, Cable	
3	1001146588	2	Strap, Tie	
4	1001159739	1	Switch, Boom Worklights	
5	1001183297	1	Harness, Boom Worklights (See Separate Breakdown in this Section)	
7	1001210962	2	Bracket	
8	4812000	2	Washer M10	
9	1001273635	2	Worklights	
10	1001228989	2	Ferrite	

FIGURE 10-52. LIGHTS - WORKLIGHTS HARNESS (BOOM MOUNTED LIGHTS)

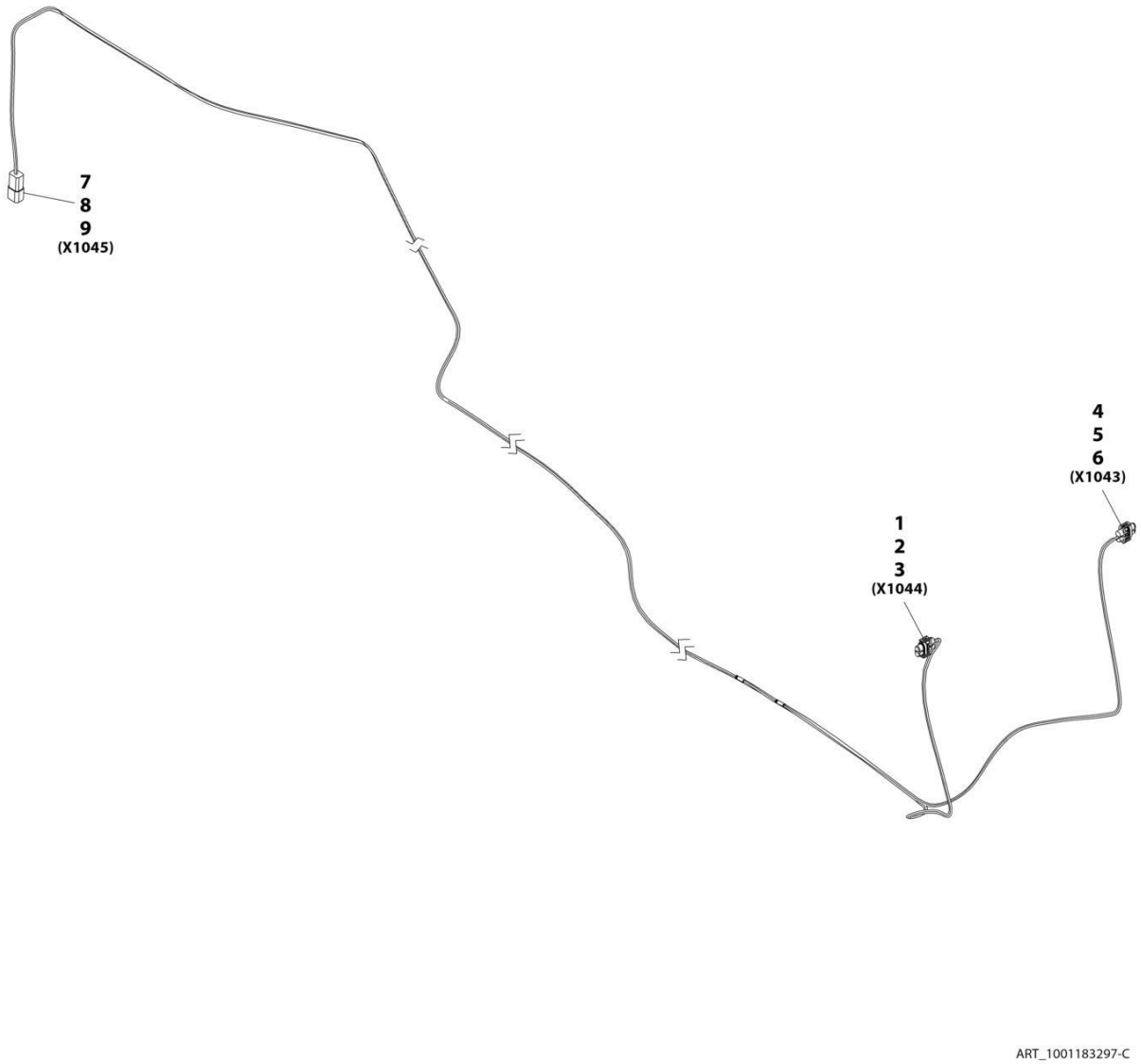


FIGURE 10-52. LIGHTS - WORKLIGHTS HARNESS (BOOM MOUNTED LIGHTS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183297	Ref	Boom Worklights Harness	C
1	4461115	1	Connector	
2	1001116728	2	Terminal	
3	4460458	2	Seal	
4	4461115	1	Connector	
5	1001116728	2	Terminal	
6	4460458	2	Seal	
7	4460932	1	Connector	
8	4460464	2	Terminal	
9	4460466	2	Plug	

FIGURE 10-53. LIGHTS - WORKLIGHTS INSTALLATION (CAB MOUNTED) (NO A/C)

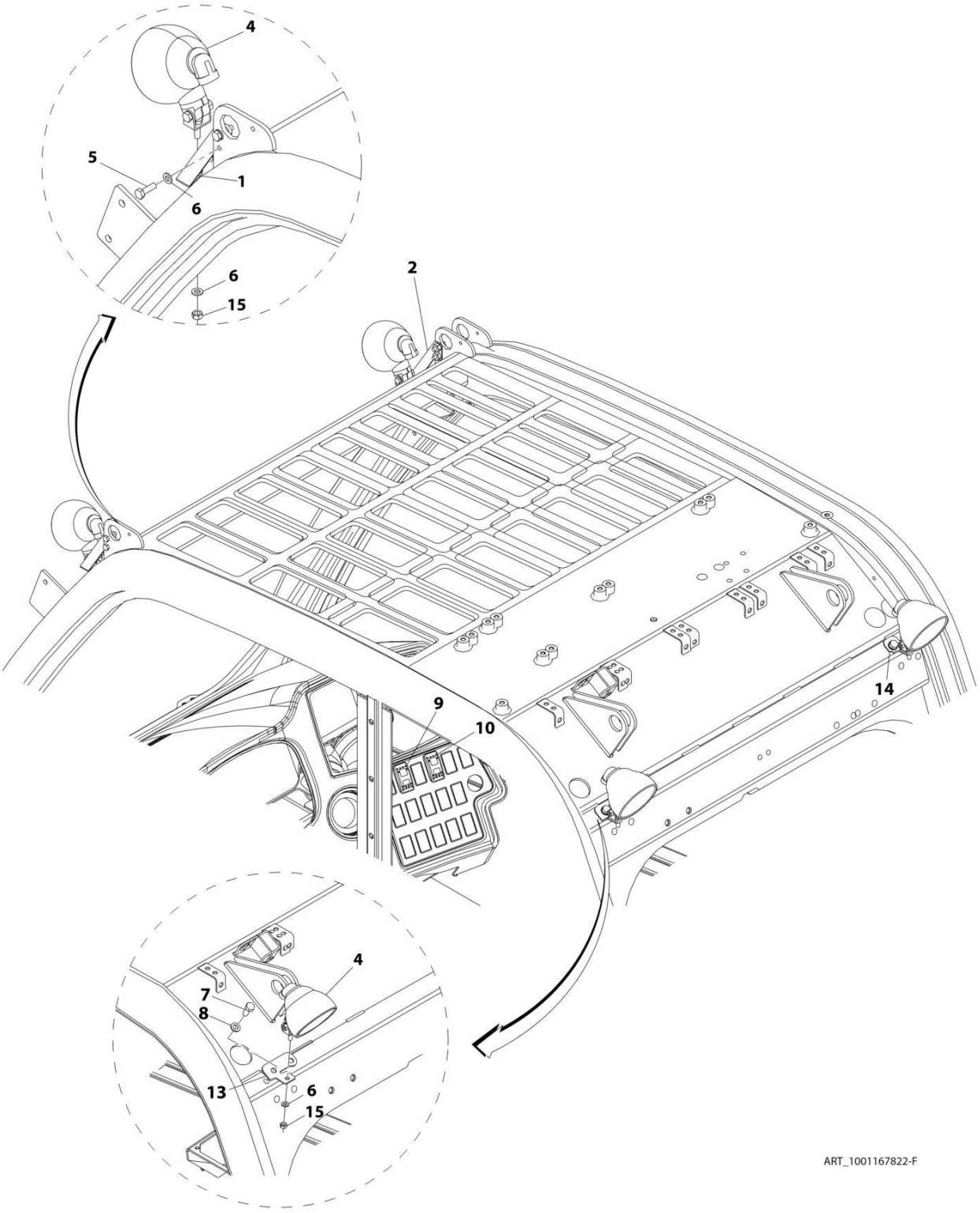


FIGURE 10-53. LIGHTS - WORKLIGHTS INSTALLATION (CAB MOUNTED) (NO A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167822	Ref	Cab Worklights Installation (No A/C)	F
1	1001186567	1	Bracket, Work Light LH	
2	1001186565	1	Bracket, Work Light RH	
4	2920206	4	Worklight	
5	0700610	4	Bolt, M6X20	
6	4811700	8	Washer, M6	
7	0760810	2	Bolt, M8X20	
8	4811900	2	Washer, M8	
9	1001159845	1	Switch, Front Worklights	
10	1001159846	1	Switch, Rear Worklights	
13	1001183888	1	Bracket, Work Light LH	
14	1001183890	1	Bracket, Work Light RH	
15	3290601	4	Nut, M6X1 Grade 8	

FIGURE 10-54. LIGHTS - WORKLIGHTS INSTALLATION - LED (CAB MOUNTED) (NO A/C)

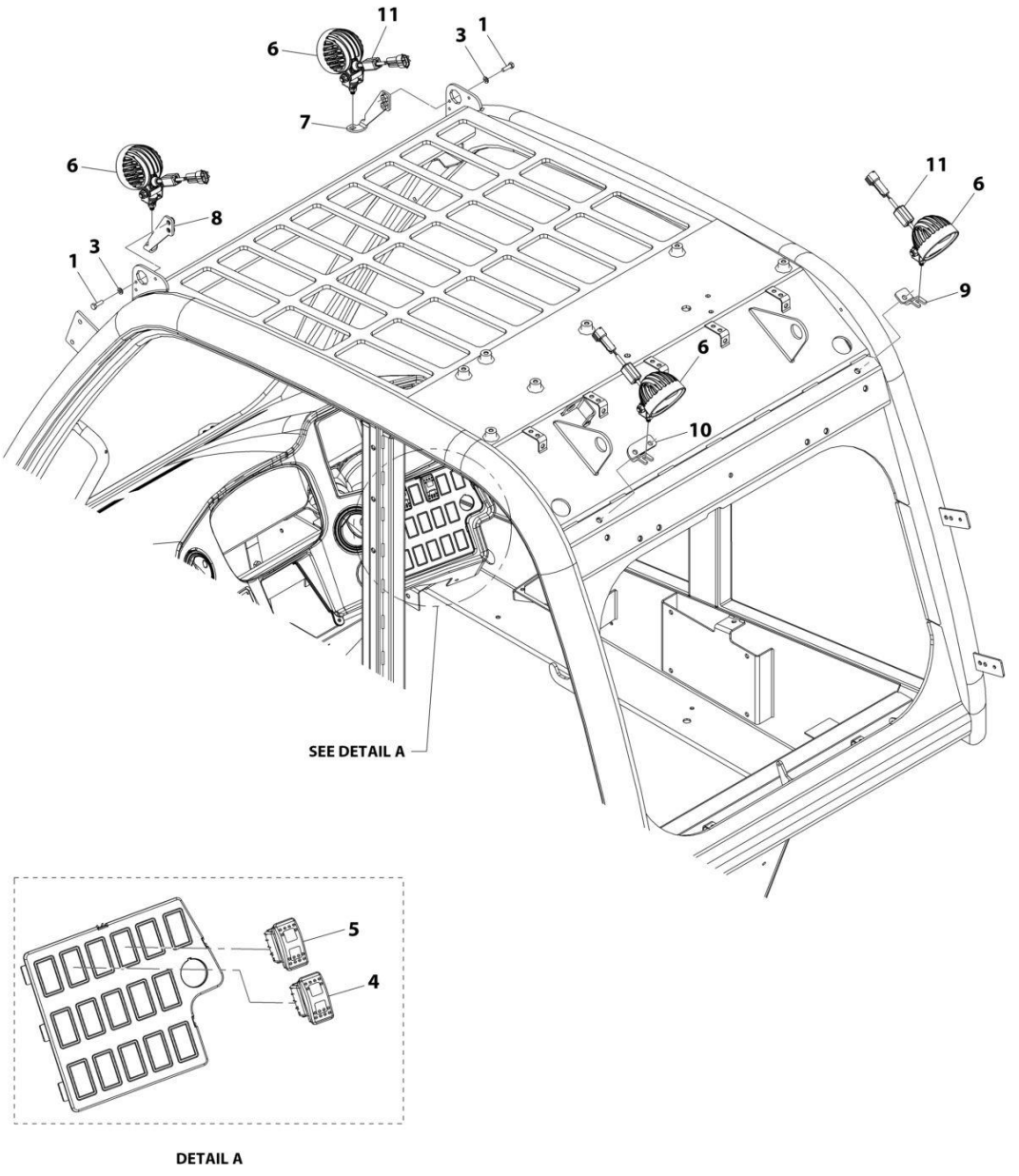


FIGURE 10-54. LIGHTS - WORKLIGHTS INSTALLATION - LED (CAB MOUNTED) (NO A/C)

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 10-55. LIGHTS - WORKLIGHTS INSTALLATION (CAB MOUNTED) (WITH A/C)

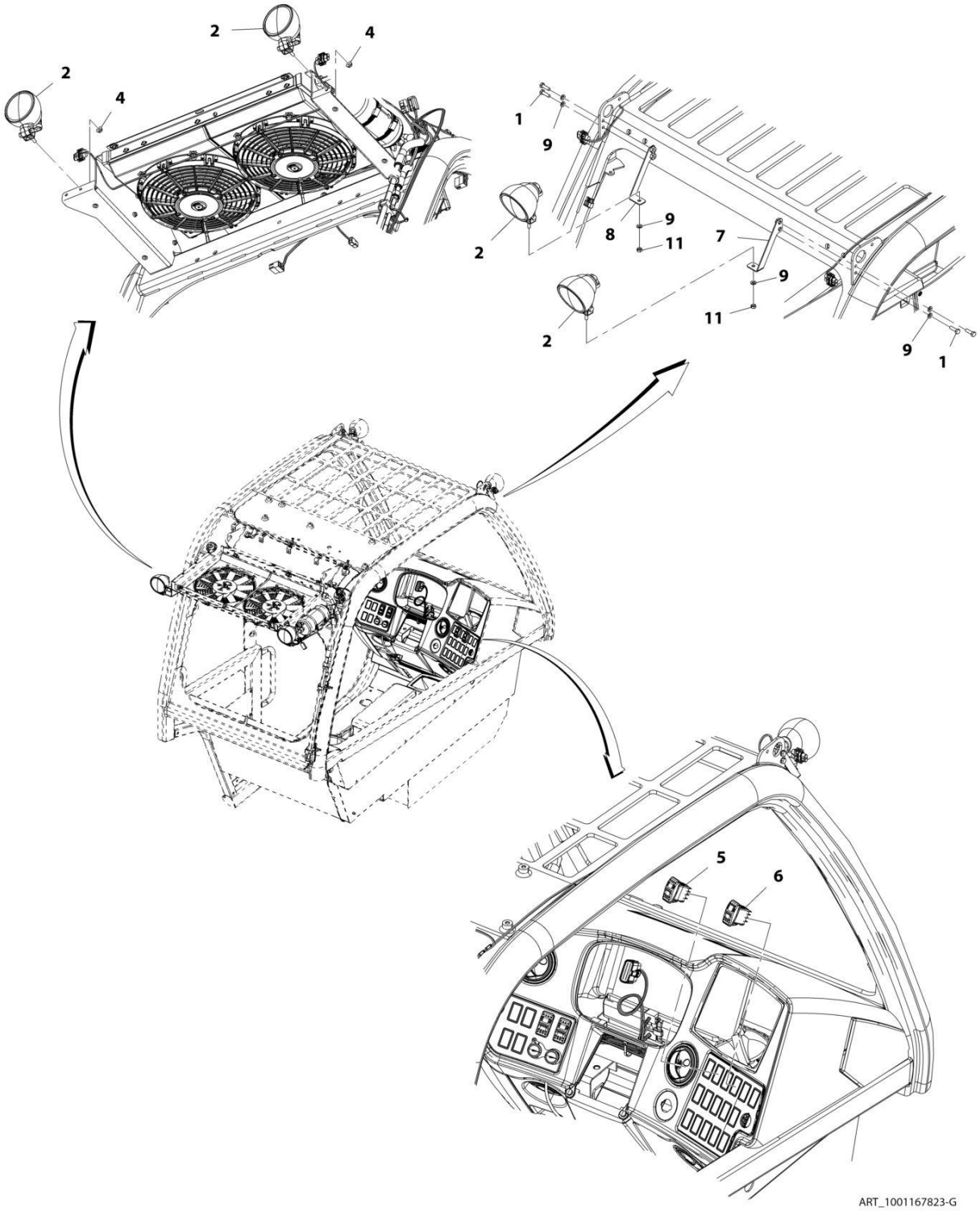


FIGURE 10-55. LIGHTS - WORKLIGHTS INSTALLATION (CAB MOUNTED) (WITH A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167823	Ref	Cab Worklights Installation (A/C)	G
1	0700610	4	Bolt, M6X20	
2	2920206	4	Worklight	
4	5220600	2	Nut, M6	
5	1001159845	1	Switch, Front Worklights	
6	1001159846	1	Switch, Rear Worklights	
7	1001186567	1	Bracket, Work Light LH	
8	1001186565	1	Bracket, Work Light RH	
9	4811700	6	Washer, M6	
11	3290601	2	Nut, M6X1 Grade 8	

FIGURE 10-56. LIGHTS - WORKLIGHTS INSTALLATION -LED (CAB MOUNTED) (WITH A/C)

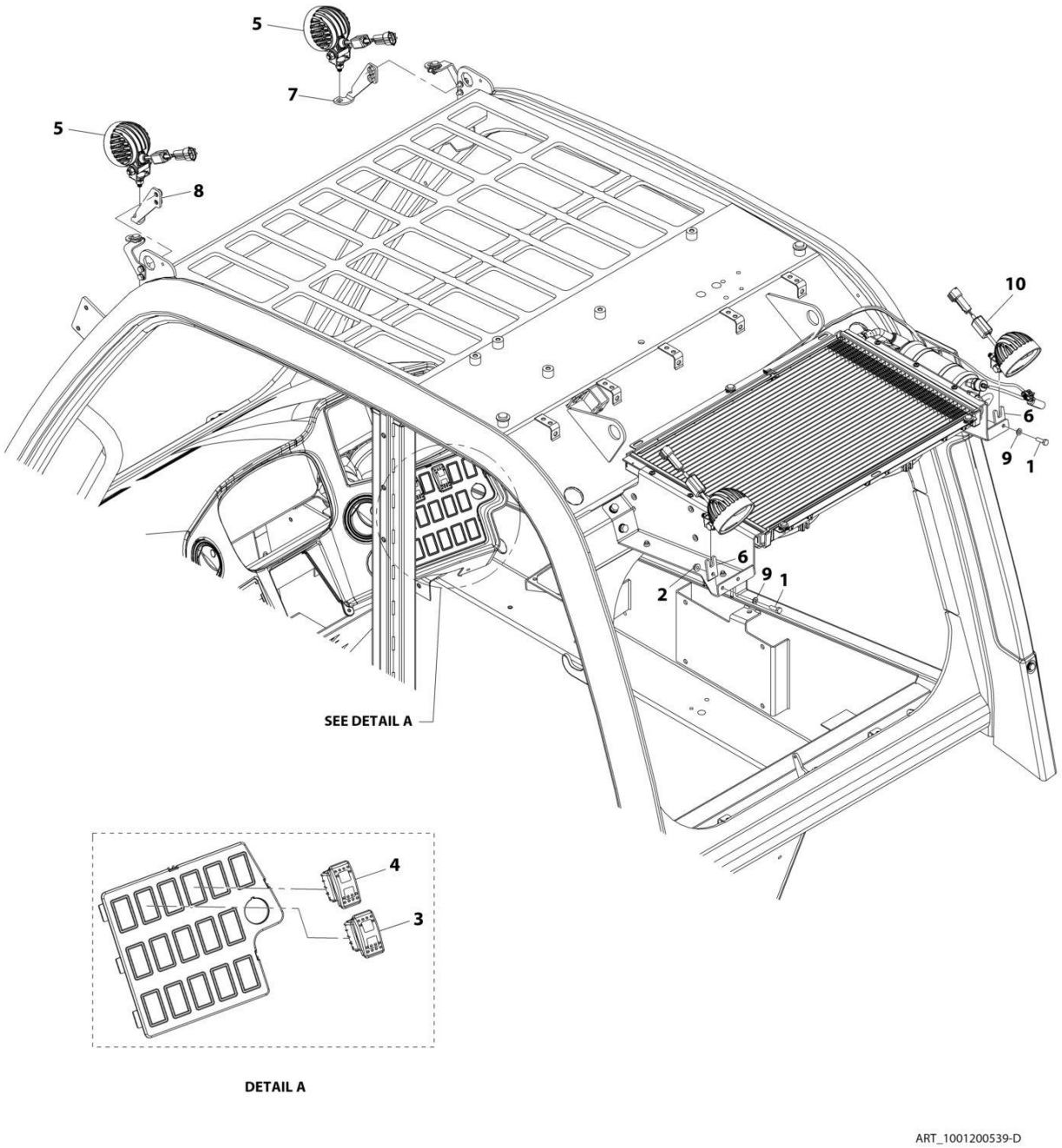


FIGURE 10-56. LIGHTS - WORKLIGHTS INSTALLATION -LED (CAB MOUNTED) (WITH A/C)

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 10-57. LSI SENSOR INSTALLATION

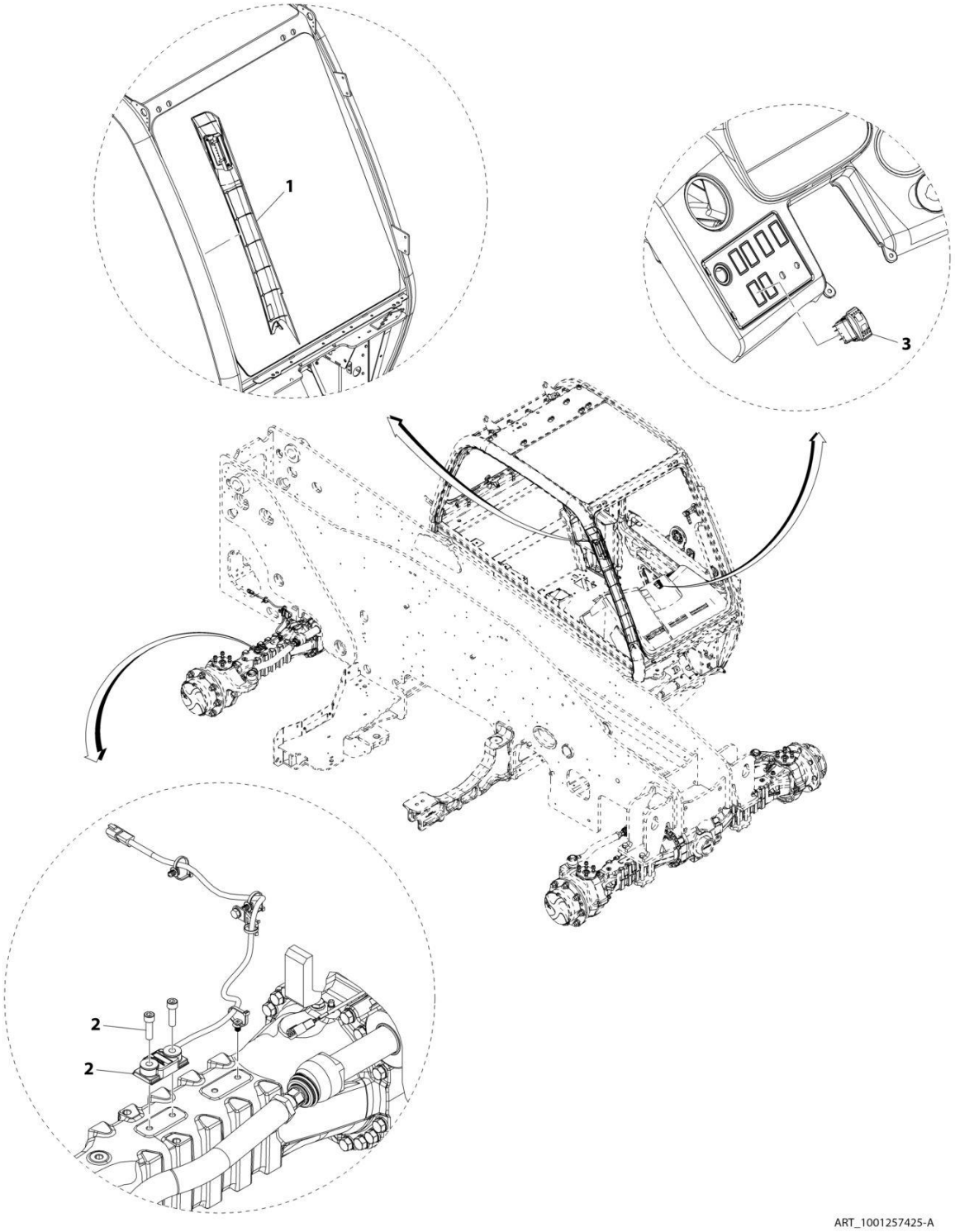


FIGURE 10-57. LSI SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257425	Ref	LSI Sensor Installation (24IN Wheel)	A
1	1001207594	1	Installation, LSI Assembly (See Separate Breakdown in this Section)	
2	1001199935	1	Installation, LSI Sensor (24IN Wheel) (See Separate Breakdown in this Section)	
3	1001257426	1	Installation, LSI Switch (See Separate Breakdown in this Section)	

FIGURE 10-58. LSI DISPLAY INSTALLATION

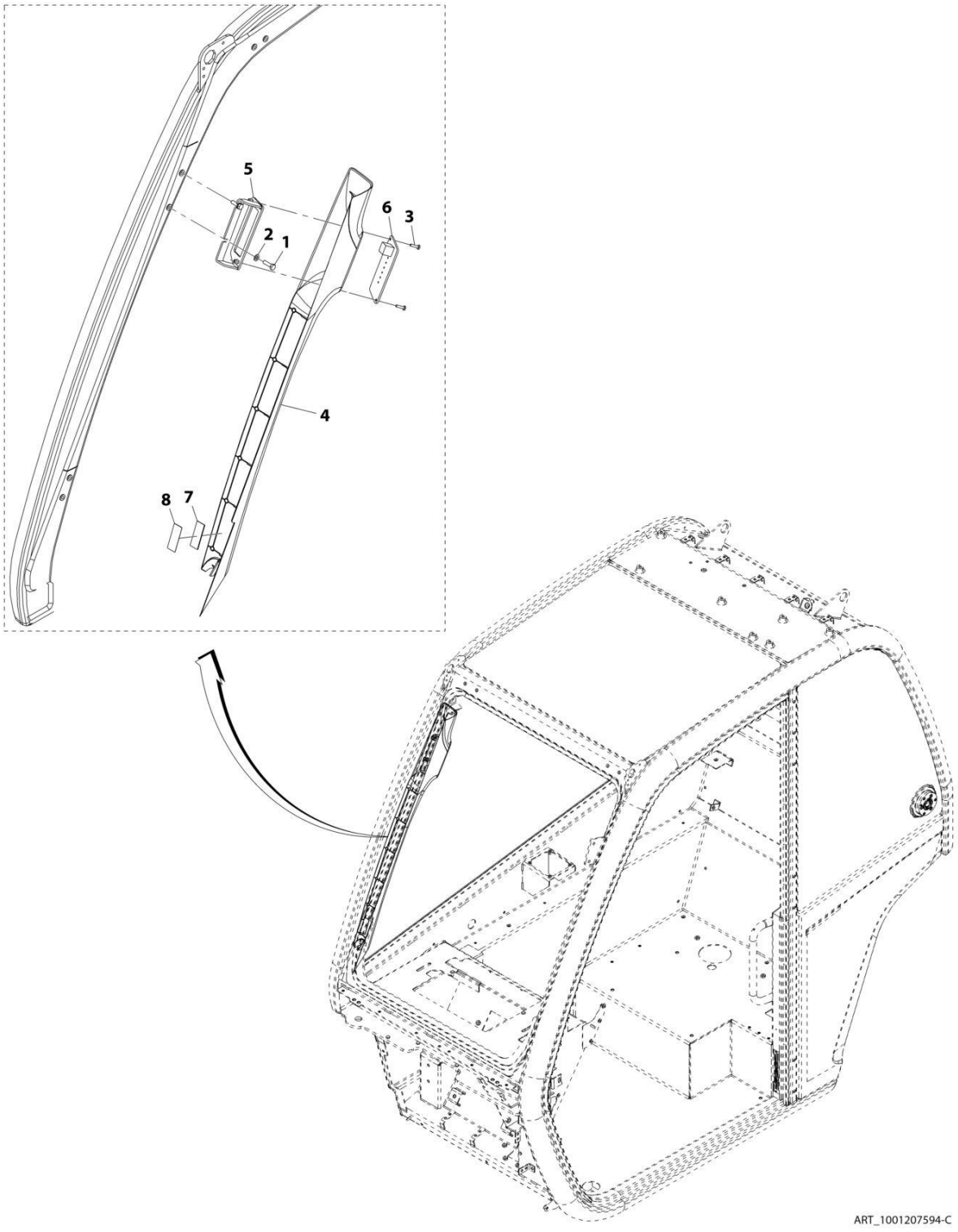


FIGURE 10-58. LSI DISPLAY INSTALLATION

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 10-59. LSI SENSOR INSTALLATION

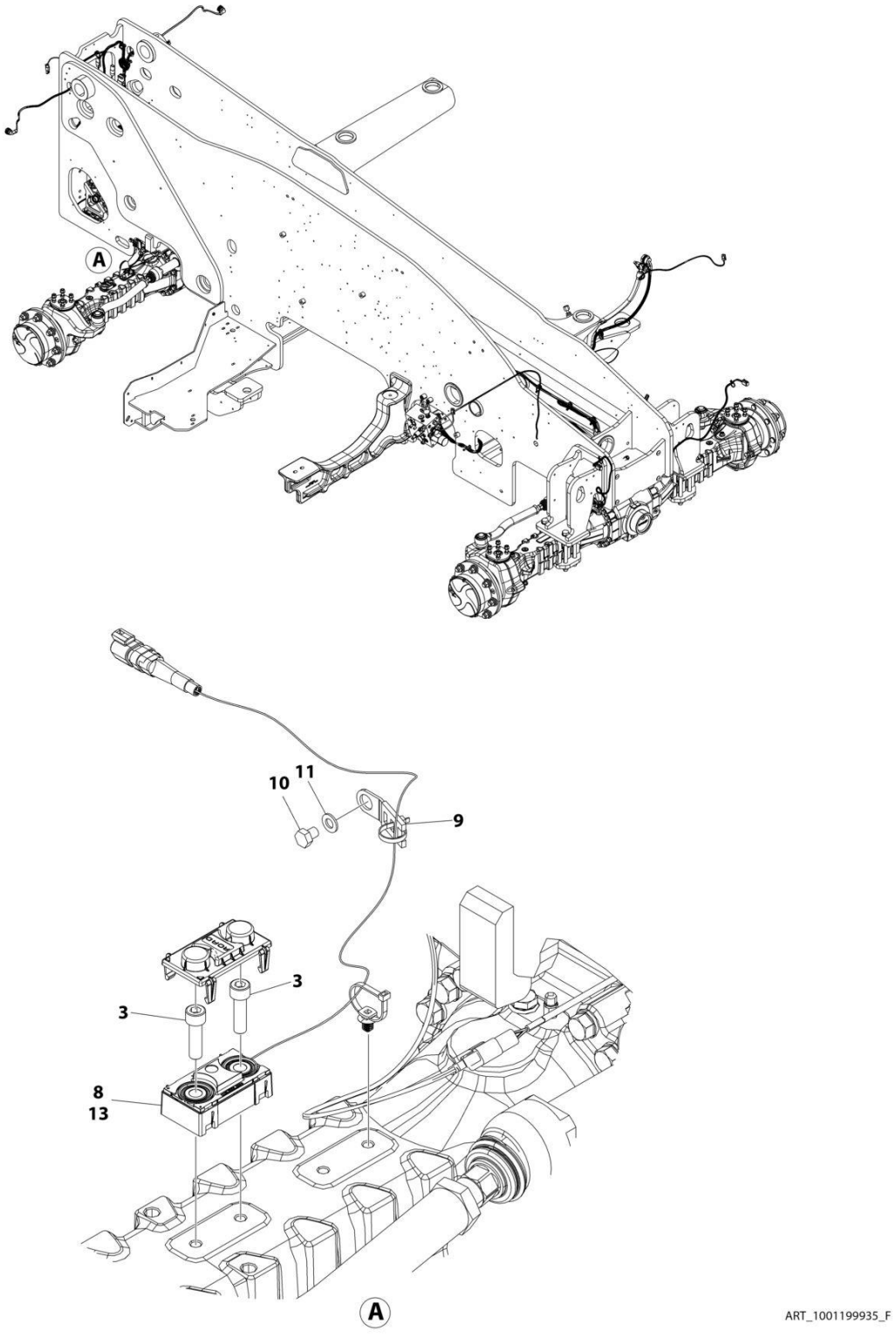


FIGURE 10-59. LSI SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001199935	Ref	LSI SENSOR	F
3	5272011	2	Capscrew M10 x 35	
4	1001116128	1	Sealant, Polysiloxane	
5	1001146588	AR	Tie-Strap with Anchor (Not Shown)	
8	1001289105	1	Sensor, Rear Axle LSI	
9	1001025750	AR	Clip	
10	0760805	1	Bolt M8 x 10	
11	4811900	1	Washer M8	
12	1001008559	AR	Tie-Strap (Not Shown)	
13	1001289296	AR	Compound, Locking	

FIGURE 10-60. LSI SWITCH INSTALLATION

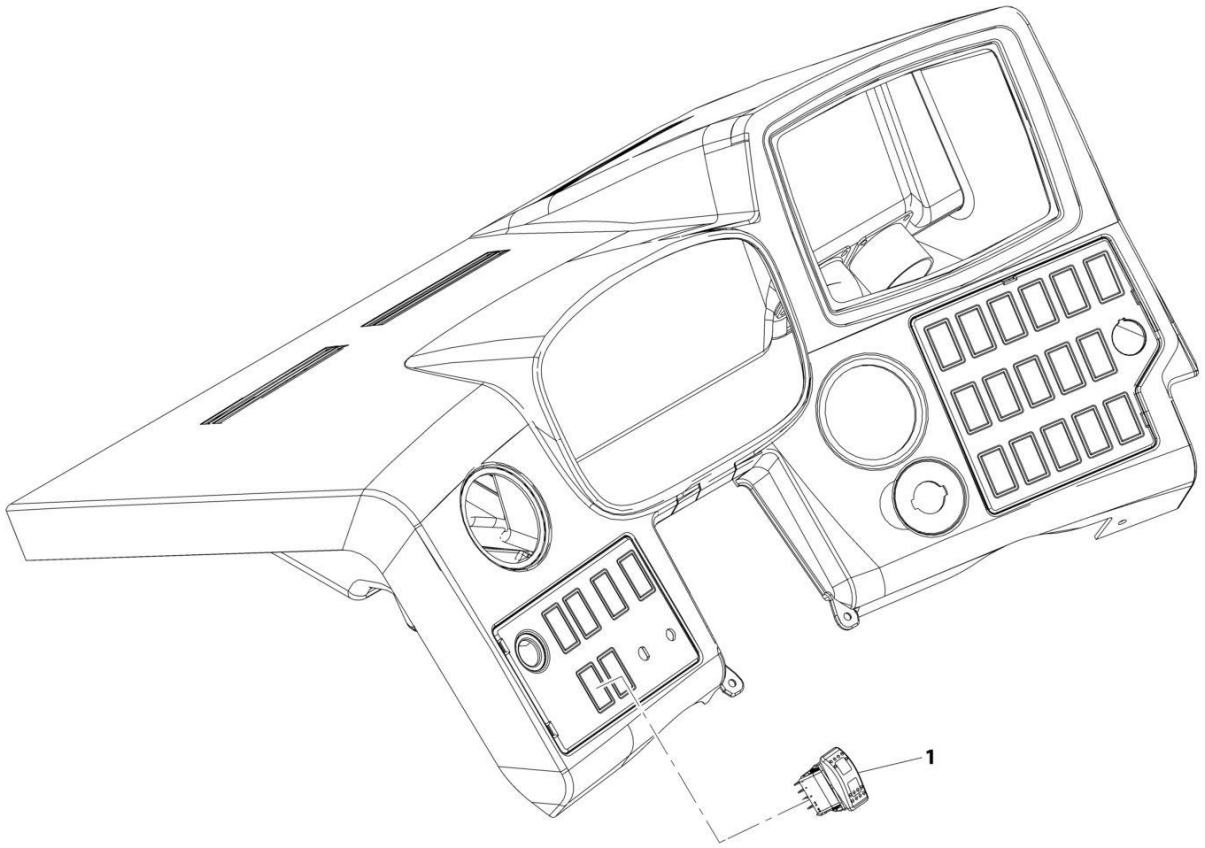


FIGURE 10-60. LSI SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257426	Ref	LSI Switch Installation	A
1	1001159742	1	Switch, LSI Override	

FIGURE 10-61. LSI SENSOR COVER INSTALLATION

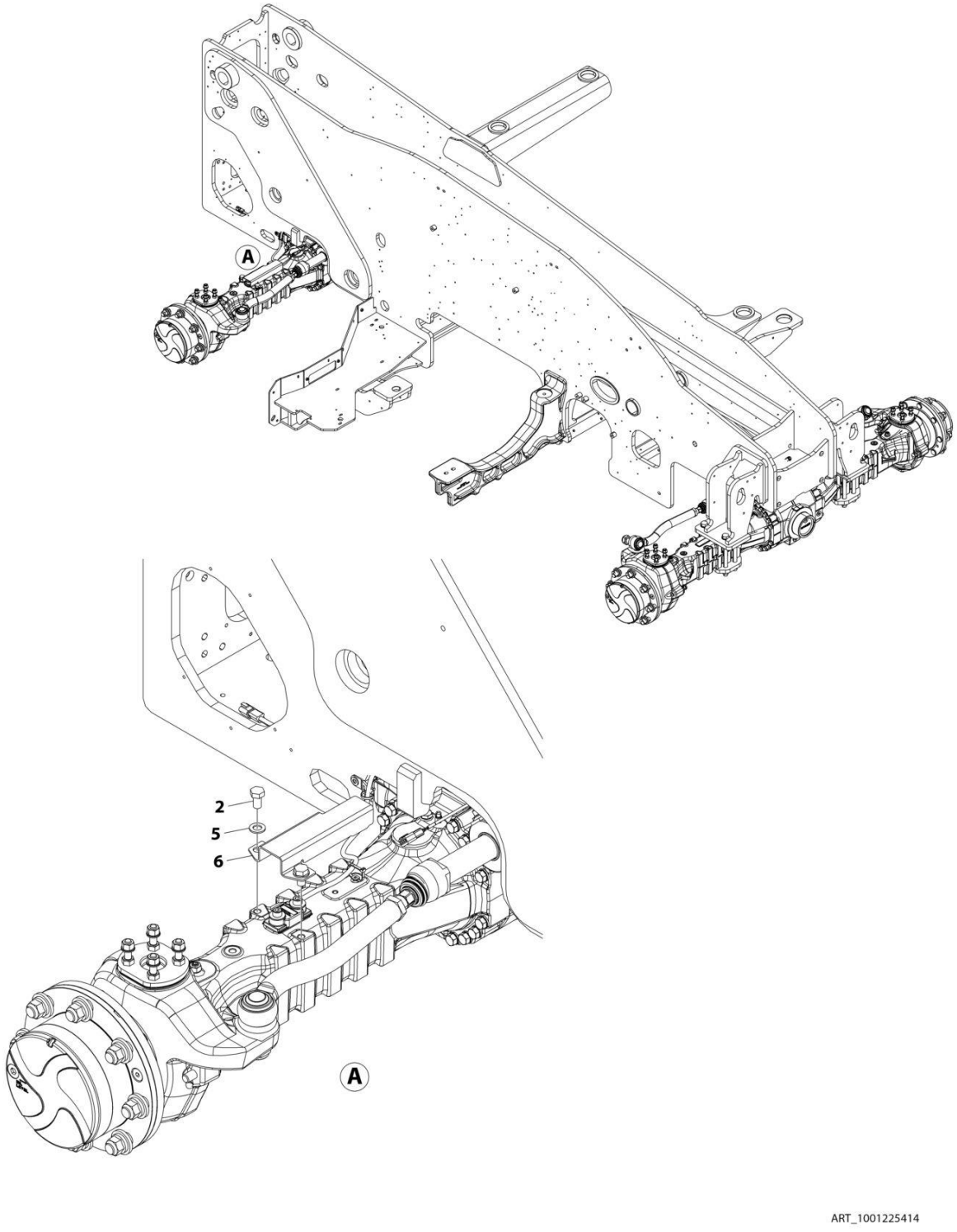


FIGURE 10-61. LSI SENSOR COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225414	Ref	LSI SENSOR COVER INSTALLATION	D
2	0761412	2	Bolt M14 x 25	
5	4812200	2	Washer M14	
6	1001290666	1	Shield, LSI Sensor	

FIGURE 10-62. REVERSE ALARM INSTALLATION

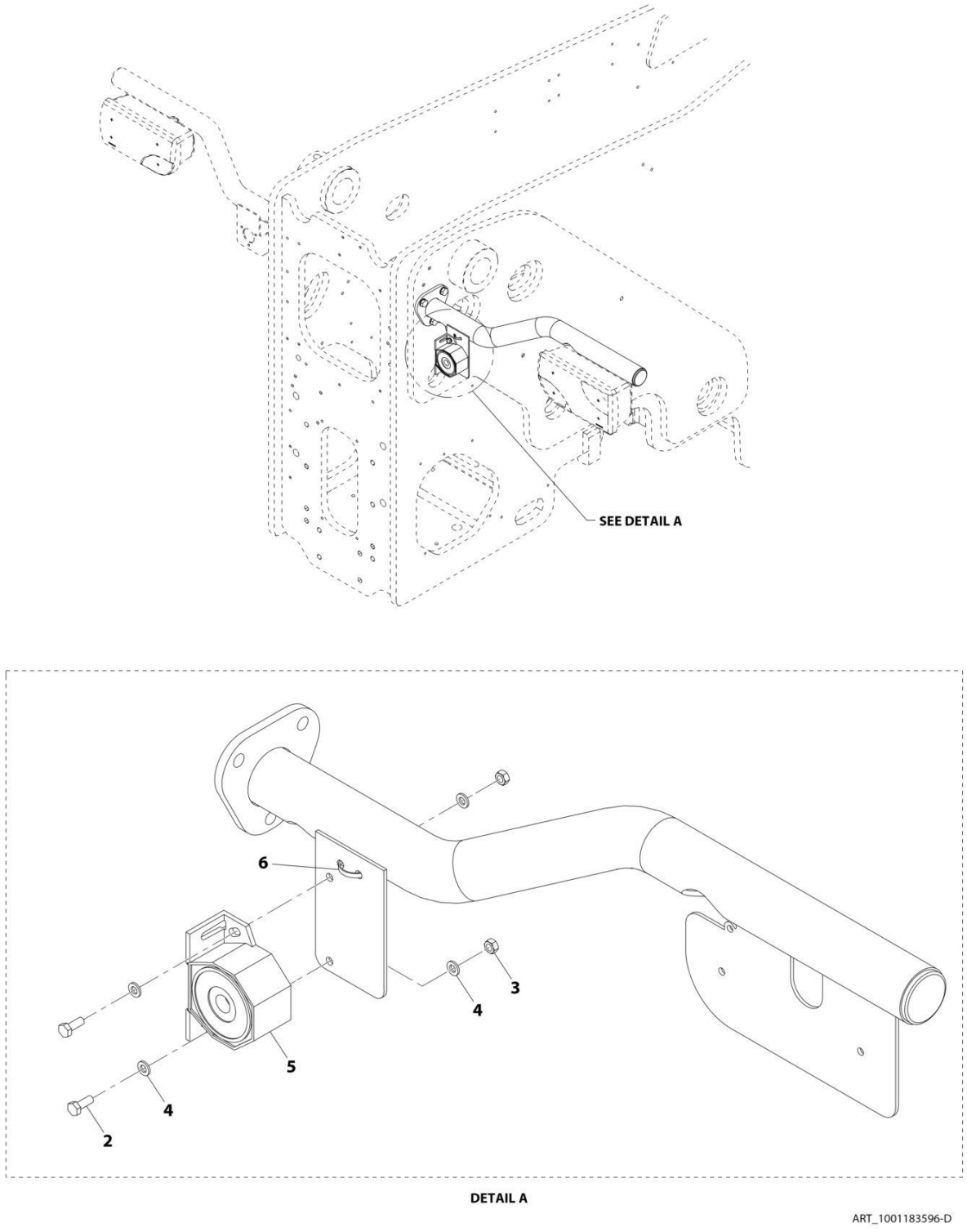


FIGURE 10-62. REVERSE ALARM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183596	Ref	Reverse Alarm Installation	D
2	0760608	2	Bolt, M6X16	
3	3290601	2	Nut, M6X1	
4	4811700	4	Washer, M6	
5	1001147060	1	Alarm, Reverse	
6	1001008559	1	Strap, Cable	

FIGURE 10-63. REVERSE CAMERA INSTALLATION

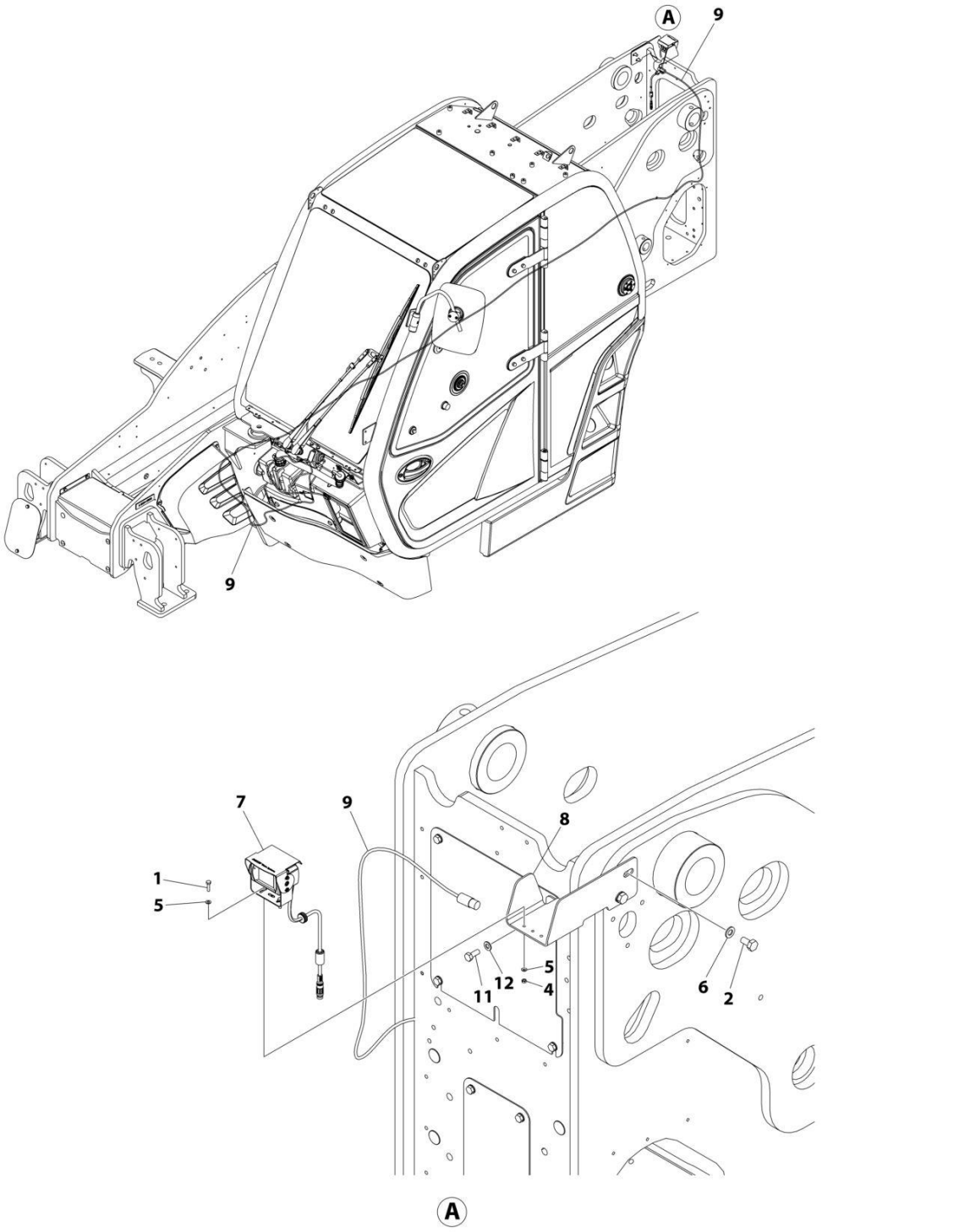


FIGURE 10-63. REVERSE CAMERA INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190225	Ref	REVERSE CAMERA INSTALLATION (TRAILER BRAKES)	D
1	0700408	2	Bolt M4 x 16	
2	0761010	2	Bolt M10 x 20	
4	3290401	2	Nut M4 x 0.7	
5	4811400	4	Washer M4	
6	4812000	2	Washer M10	
7	1001167017	1	Camera	
8	1001202293	1	Bracket	
9	1001265375	1	Cable, Reverse Camera	
11	0760810	1	Bolt M8 x 20	
12	4811900	1	Washer M8	

FIGURE 10-64. REVERSE CAMERA INSTALATION (WITHOUT HED) (SN 0160124751 to Present)

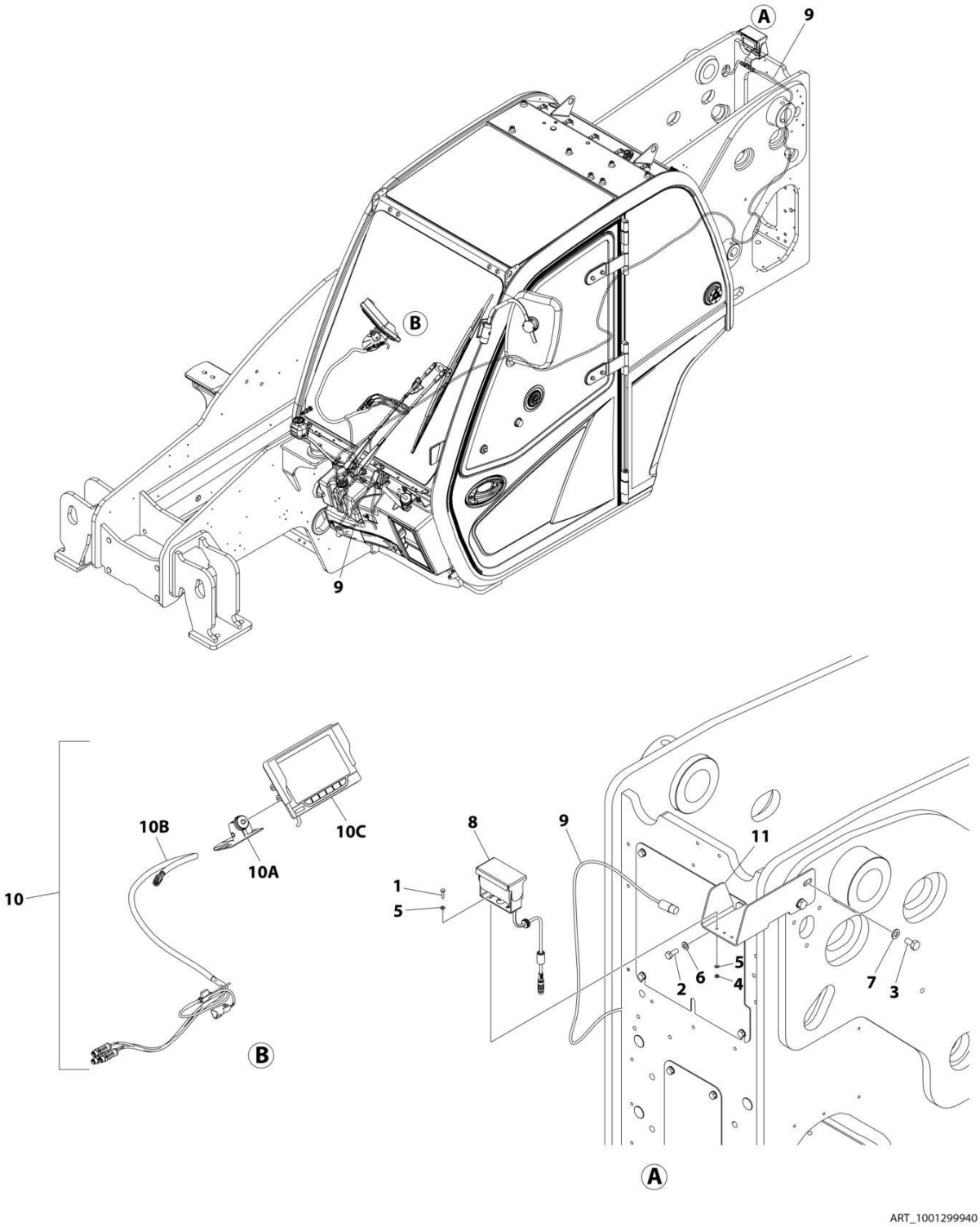


FIGURE 10-64. REVERSE CAMERA INSTALATION (WITHOUT HED) (SN 0160124751 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001299940	Ref	REVERSE CAMERA INSTALLATION	A
1	0700408	2	Bolt M4 x 16	
2	0760810	1	Bolt M8 x 20	
3	0761010	2	Bolt M10 x 20	
4	3290401	2	Nut M4	
5	4811400	4	Washer M4	
6	4811900	1	Washer M8	
7	4812000	2	Washer M10	
8	1001233174	1	Camera, Rear View	
9	1001233434	1	Extension Cable Camera Harness	
10	1001289479	1	Quad View Monitor Assembly	
10A	1001233217	1	Bracket	
10B	1001294608	1	Quad View Monitor Harness	
10C	1001302410	1	Monitor, LED Display	
11	1001300078	1	Bracket	

FIGURE 10-65. REVERSE SENSING INSTALLATION

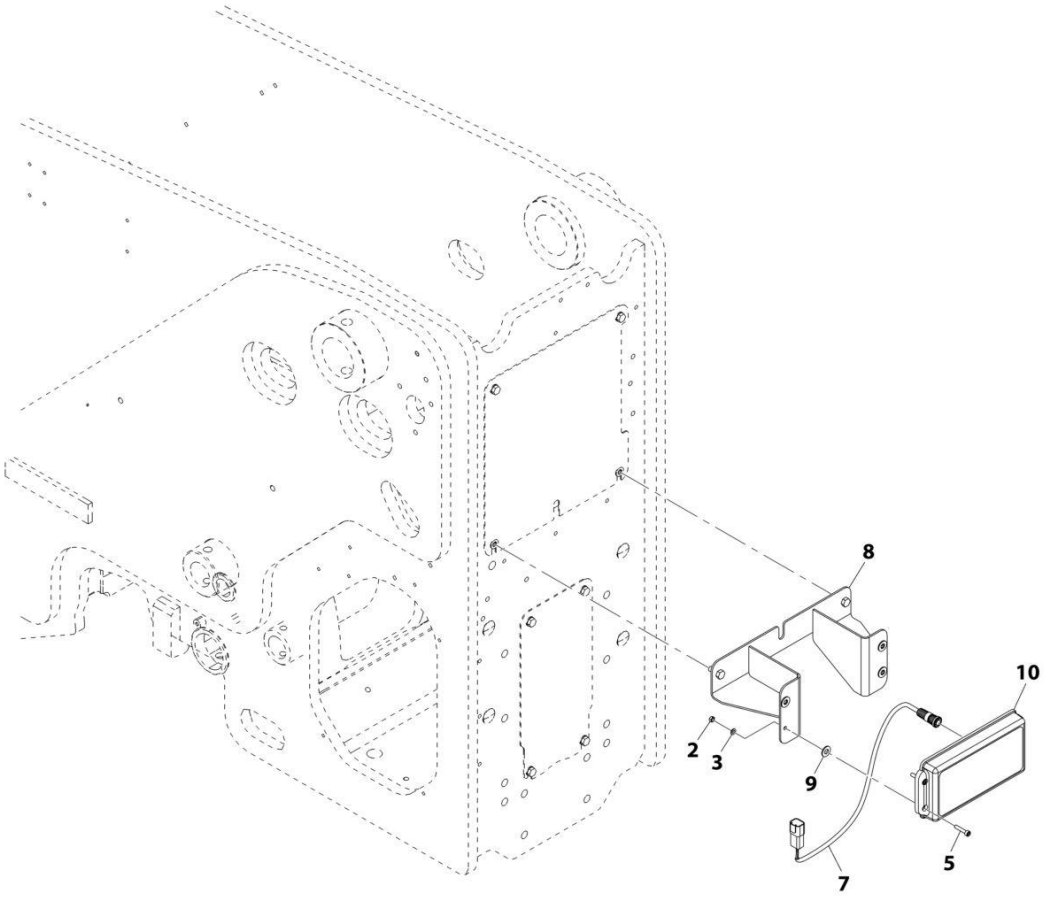
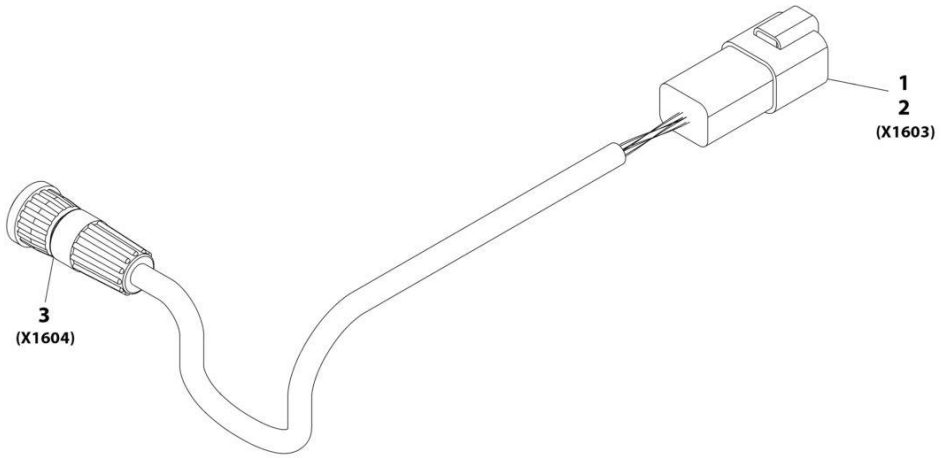


FIGURE 10-65. REVERSE SENSING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190227	Ref	Reverse Sensor Installation (No Hydraulic Hitch)	C
2	3290501	4	Nut, M5X0.8	
3	4811600	4	Washer, M5	
5	5271609	4	Screw, M5X25	
7	1001175776	1	Harness, Reverse Sensor (See Separate Breakdown in this Section)	
8	1001202288	1	Bracket	
9	1001181921	4	Washer, Rubber M8	
10	1001189997	1	Sensor, Reverse	

FIGURE 10-66. REVERSE SENSING HARNESS



ART_1001175776-C

FIGURE 10-66. REVERSE SENSING 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 10-67. TELEMATICS CLEARSKY CAN 4WARD HARNESS

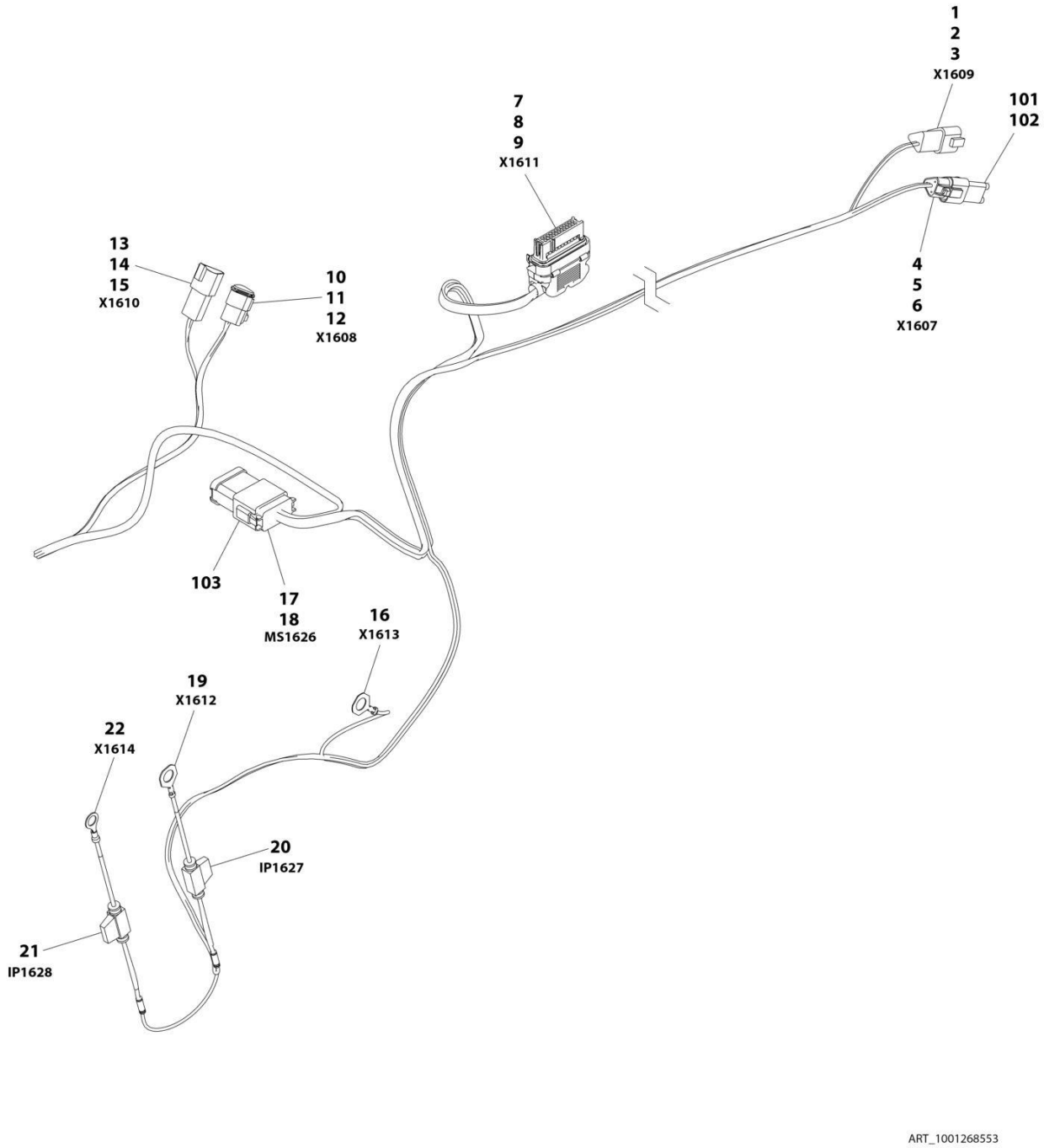


FIGURE 10-67. TELEMATICS CLEARSKY CAN 4WARD HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268553	Ref	TELEMATICS CLEARSKY CAN 4WARD HARNESS	A
1	1001144147	1	Connector	
2	4460464	2	Terminal	
3	4460466	1	Plug	
4	1001116812	1	Connector	
5	4460465	2	Terminal	
6	4460466	1	Plug	
7	1001226636	1	Connector	
8	1001226637	7	Terminal	
9	1001116731	17	Plug	
10	1001116812	1	Connector	
11	4460465	2	Terminal	
12	4460466	1	Plug	
13	1001144147	1	Connector	
14	4460464	2	Terminal	
15	4460466	1	Plug	
16	1001187081	1	Ring, Terminal	
17	4460933	1	Connector	
18	4460465	12	Terminal	
19	1001187078	1	Ring, Terminal	
20	2400060	1	Fuse, Holder	
21	2400060	1	Fuse, Holder	
22	4460670	1	Ring, Terminal	
101	4460466	3	Plug	
102	1001144147	1	Connector	
103	1001200206	1	Connector	

FIGURE 10-68. TELEMATICS ADAPTER HARNESS

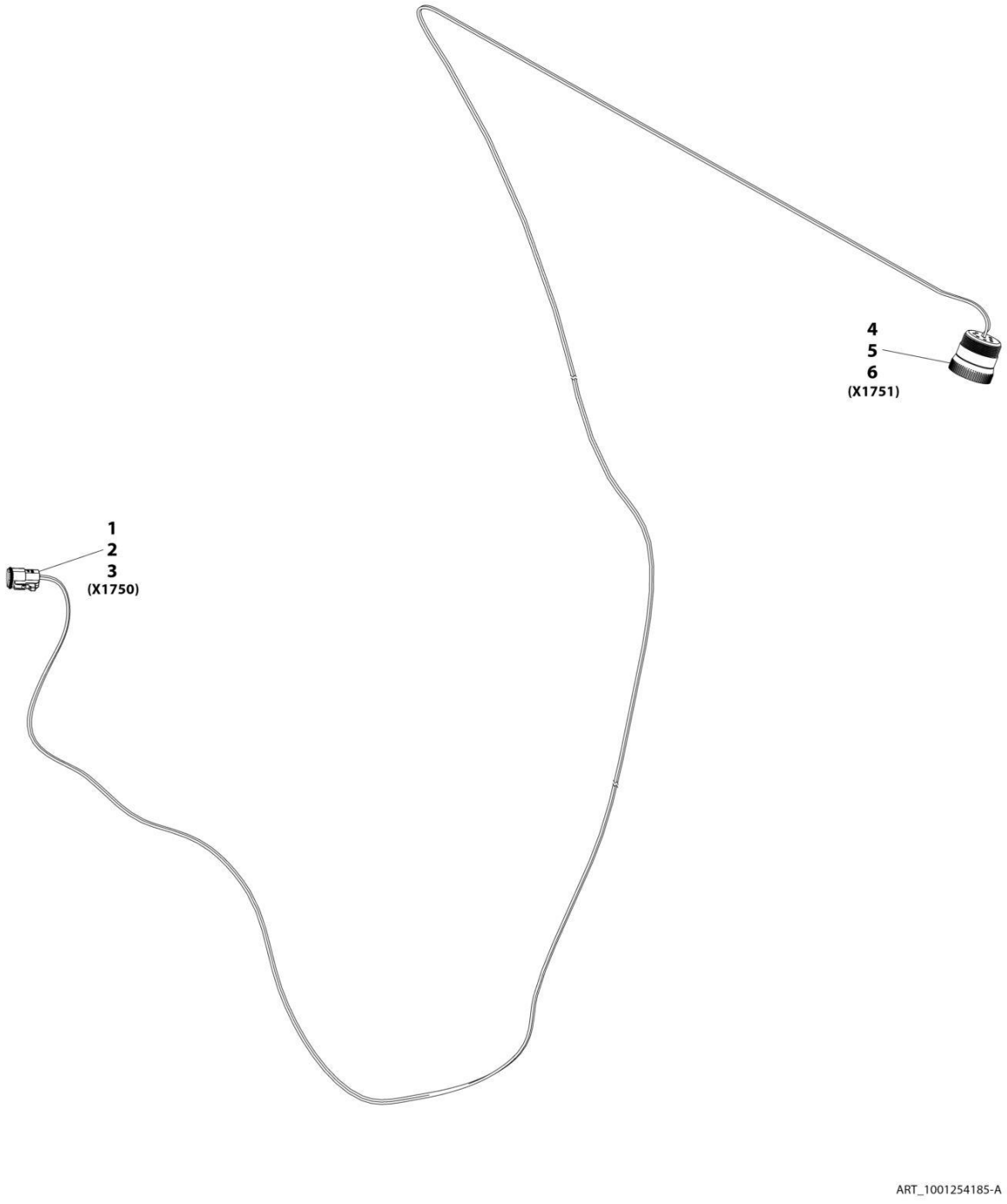


FIGURE 10-68. TELEMATICS ADAPTER HARNESS

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 10-69. TELEMATICS READY INSTALLATION

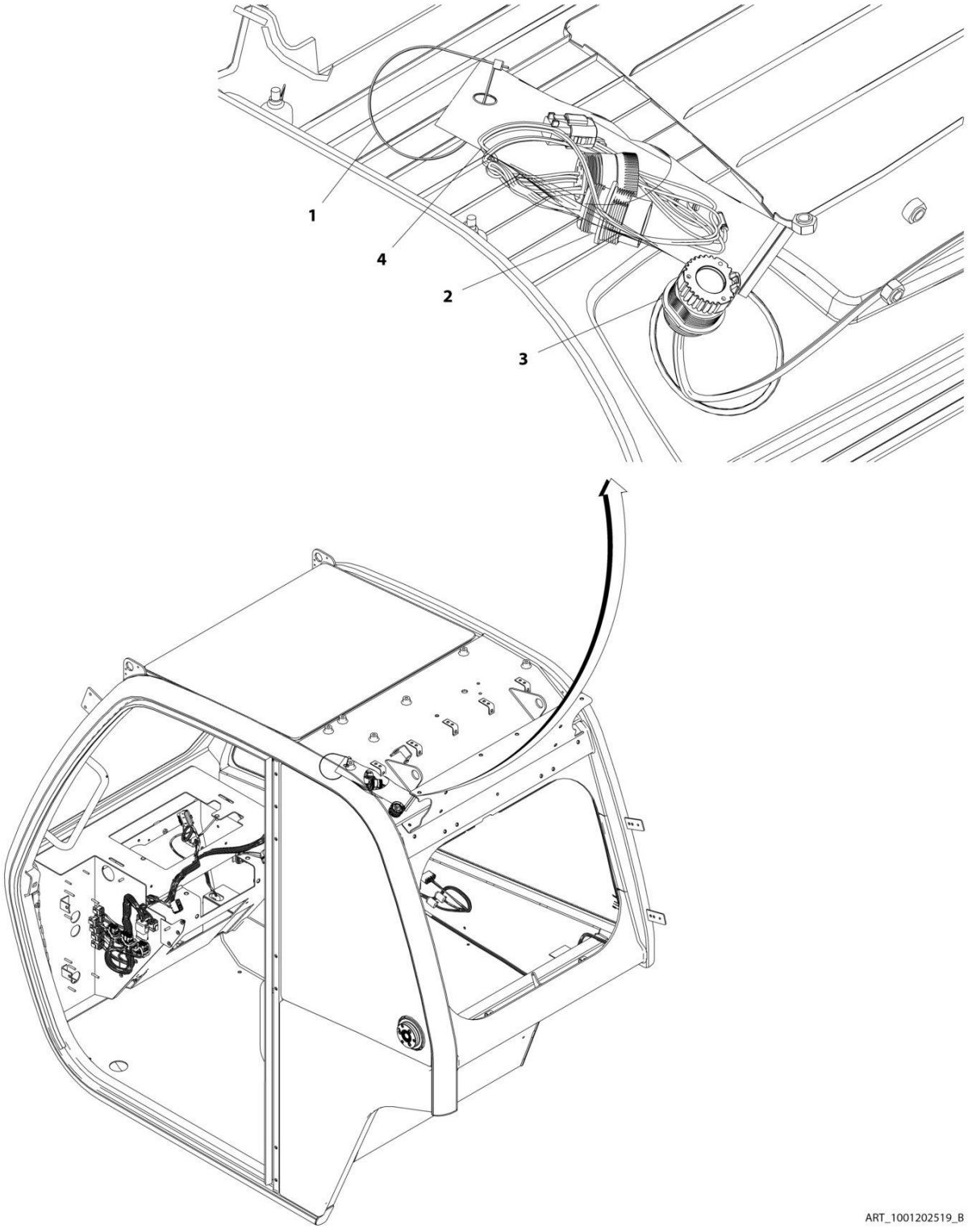
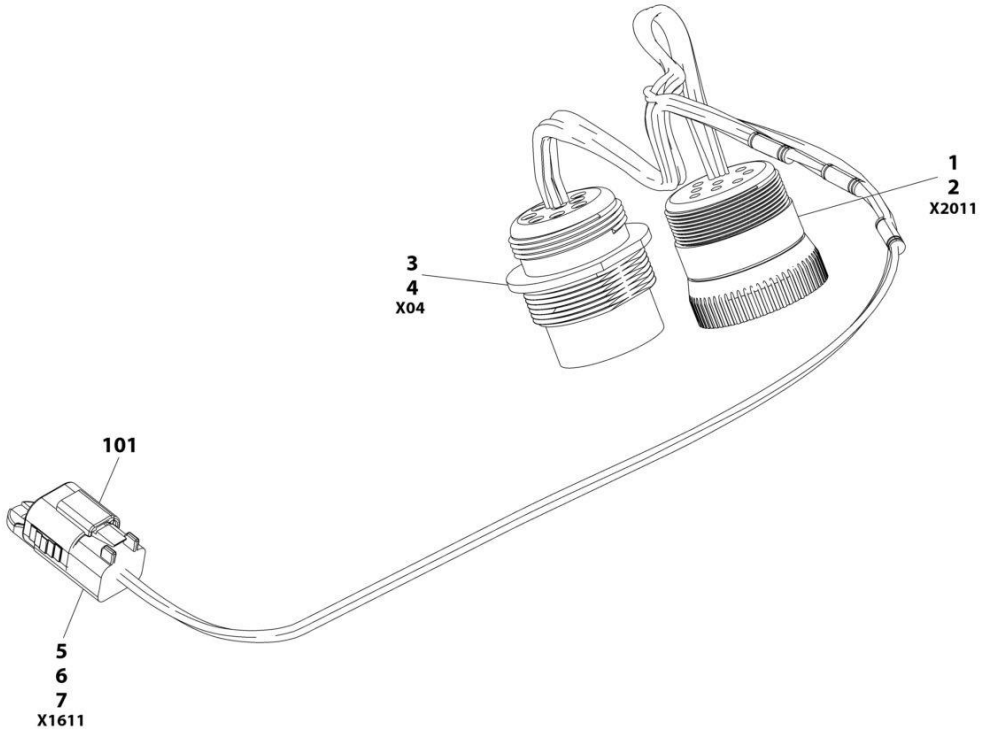


FIGURE 10-69. TELEMATICS READY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202519	Ref	TELEMATICS READY INSTALLATION	B
1	8584003	1	Strap, Tie	
2	1001291182	1	Harness, Telematics Ready (See Separate Breakdown in ELECTRICAL Section)	
3	1001201162	1	Cap	
4	1001202617	1	Bag	

FIGURE 10-70. TELEMATICS READY HARNESS



ART_1001291182

FIGURE 10-70. TELEMATICS READY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001291182	Ref	TELEMATICS READY HARNESS	A
1	1001112796	1	Connector	
2	4460465	9	Terminal	
3	1001112612	1	Connector	
4	4460464	9	Terminal	
5	4460884	1	Connector	
6	4460465	3	Terminal	
7	4460466	1	Plug	
101	1001192401	1	Dust Cap	

FIGURE 10-71. TRAILER ELECTRICS INSTALLATION

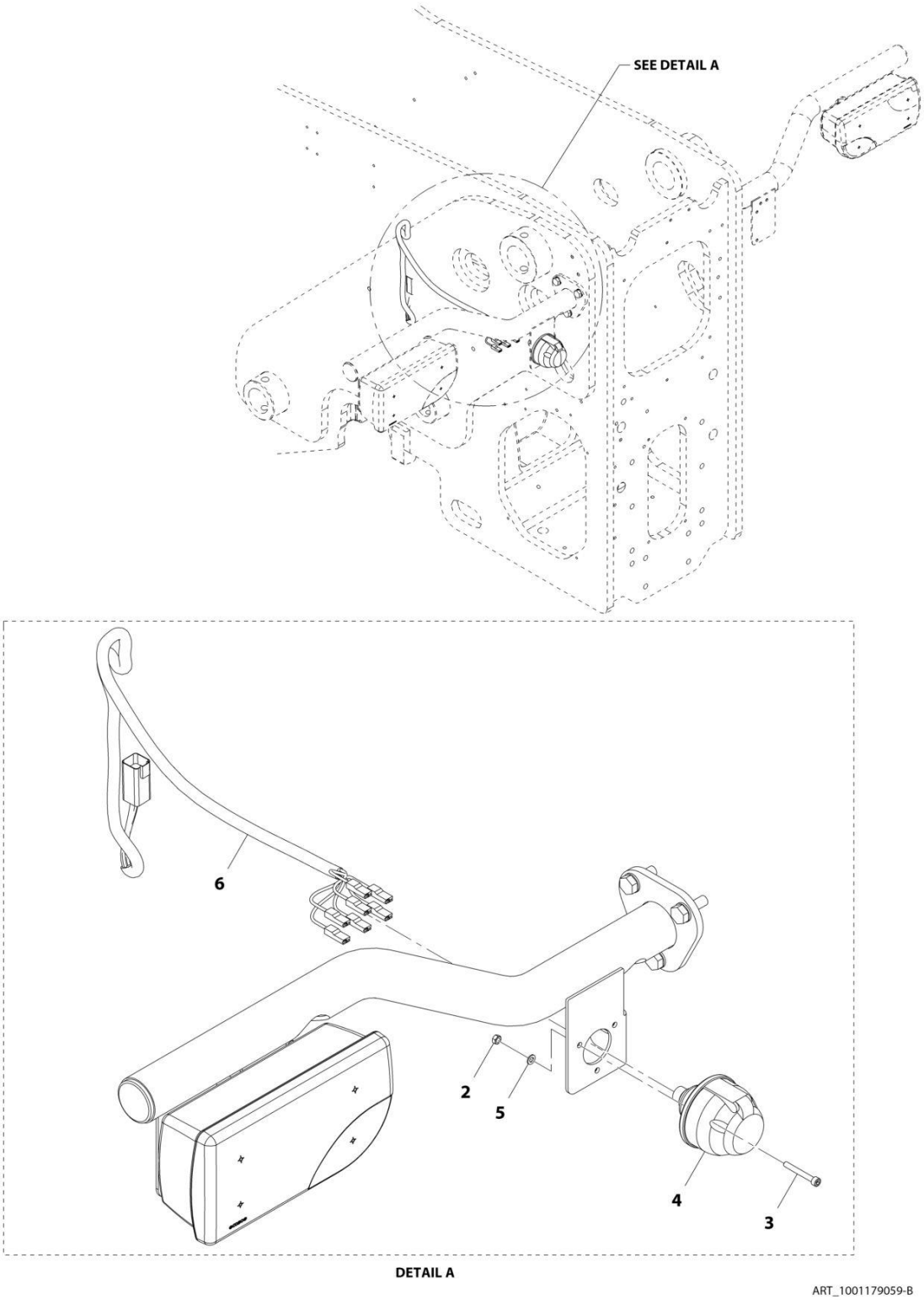


FIGURE 10-71. TRAILER ELECTRICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179059	Ref	TRAILER ELECTRICS INSTALLATION	B
2	3290501	3	Nut M5	
3	4031612	3	Bolt M5 X 40	
4	4461170	1	Connector	
5	4811600	3	Washer M5	
6	1001184839	1	Harness,Trailer Connector (See Separate Breakdown in this Section)	

FIGURE 10-72. TRAILER CONNECTOR HARNESS

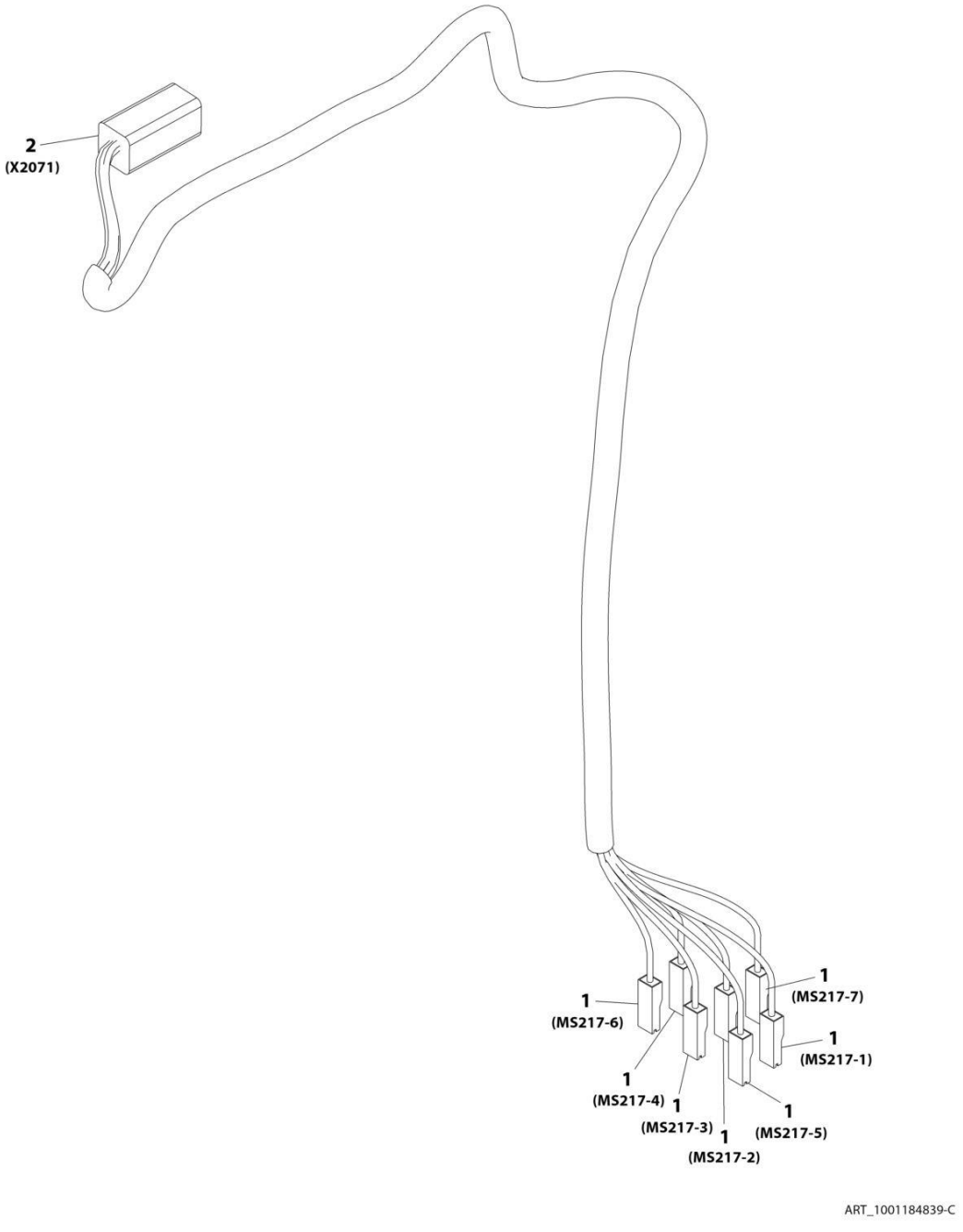


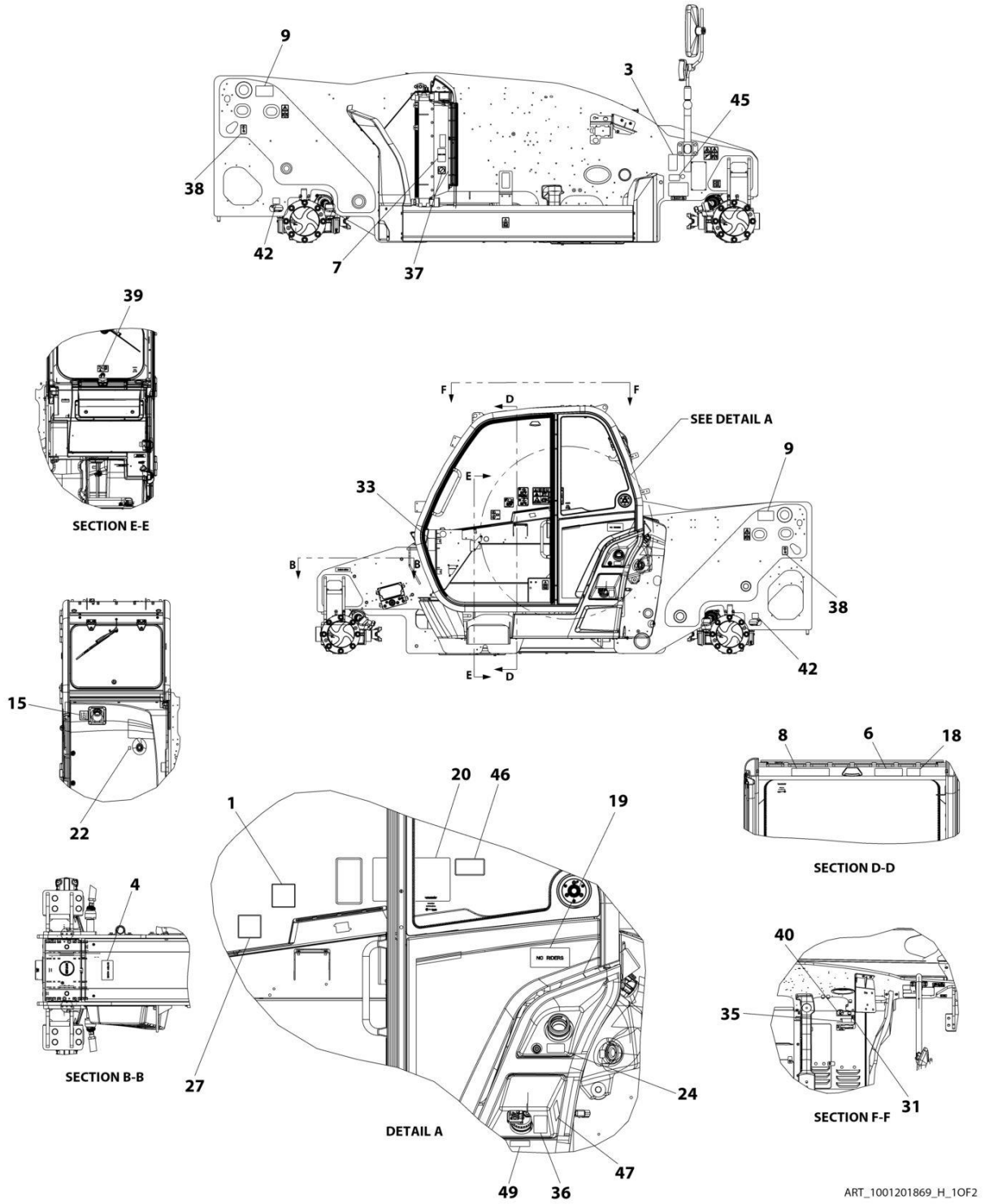
FIGURE 10-72. TRAILER CONNECTOR HARNESS

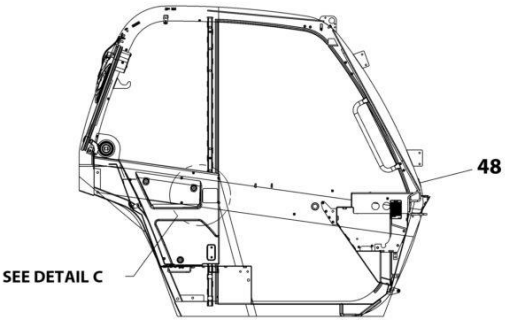
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184839	Ref	TRAILER CONNECTOR HARNESS	C
1	1001116995	7	Connector	
2	4460899	1	Connector	
2	4460941	6	Pin	

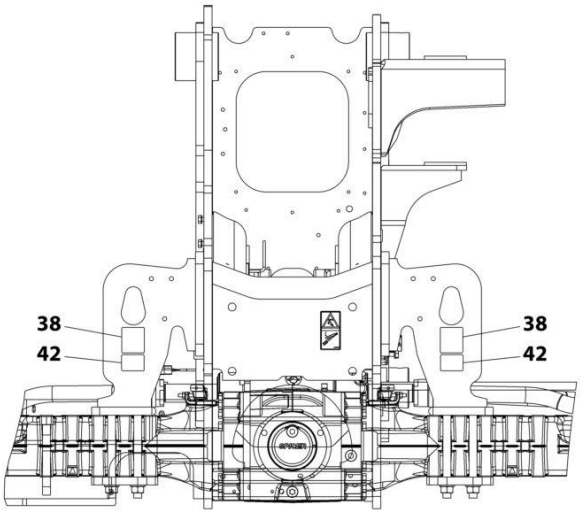
SECTION 11 - DECALS

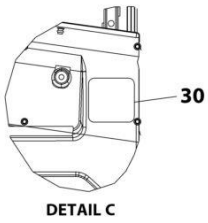
SECTION 11 - DECALS

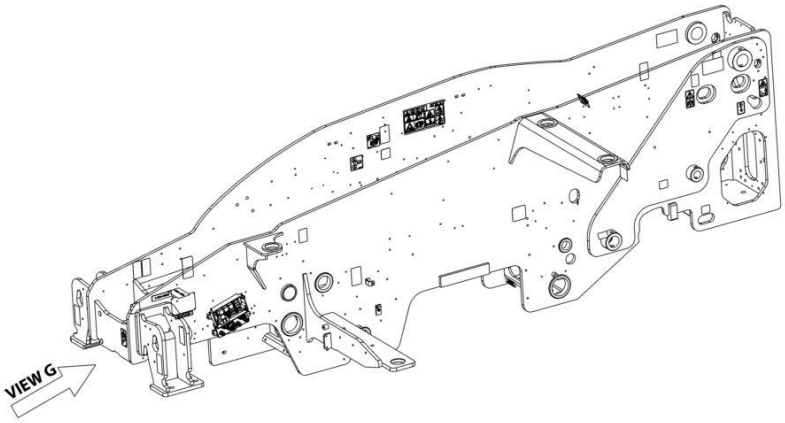
FIGURE 11-1. DECALS INSTALLATION (ANSI)

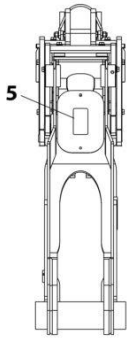












ART_1001201869_H_2OF2

SECTION 11 - DECALS

FIGURE 11-1. DECALS INSTALLATION (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201869	Ref	Decals Installation (ULS)	H
1	1001227287	1	Decal, Manual Location	
3	1706300	1	Decal, Ether Warning	
4	1706296	1	Decal, Battery Warning (ANSI)	
5	1001102750	1	Decal, No Standing On Forks	
6	1706299	1	Decal, Contacting Power Lines Warning	
7	1706301	1	Decal, Keep Clear Of Rotating Parts Warning	
8	1706306	1	Decal, Tip Over Warning	
9	1706302	2	Decal, Pinch Point Boom Holes	
15	1001094708	1	Decal, Hydraulic Oil	
18	1706850	1	Decal, Crush Hazard Warning	
19	1706768	1	Decal, Vehicle Roll Away	
20	1707078	1	Decal, Warning/Danger	
22	1001130323	1	Decal, Oil Level	
24	1001125387	1	Decal, Ultra Low Sulfur Diesel	
27	1001172035	1	Decal, No Weld or Drill	
30	1001214206	1	Decal, Park Brake	
31	1001184632	1	Decal, Battery Positive	
33	1001191229	1	Decal, Fuse Panel	
35	1001195855	1	Decal, Battery Disconnect	
36	1001196806	1	Decal, Diesel Exhaust Fluid	
37	AU2105	1	Decal, No Karcher	
38	1701500	1	Decal, Lift	
39	8005870	1	Decal, Emergency Exit	
40	1001008540	1	Plate, Battery	
42	4109801	4	Decal, Tie Down Point	
45	1001223453	1	Decal, ICES	
46	1001231801	1	Decal, Warning Prop 65	
47	1001247646	1	Decal, Def Min Refill Volume	
48	1001218659	1	Decal, Brake Fluid Spec	
49	1001219212	1	Decal, Def Fluid Only	

FIGURE 11-2. DECALS INSTALLATION - JLG (832)

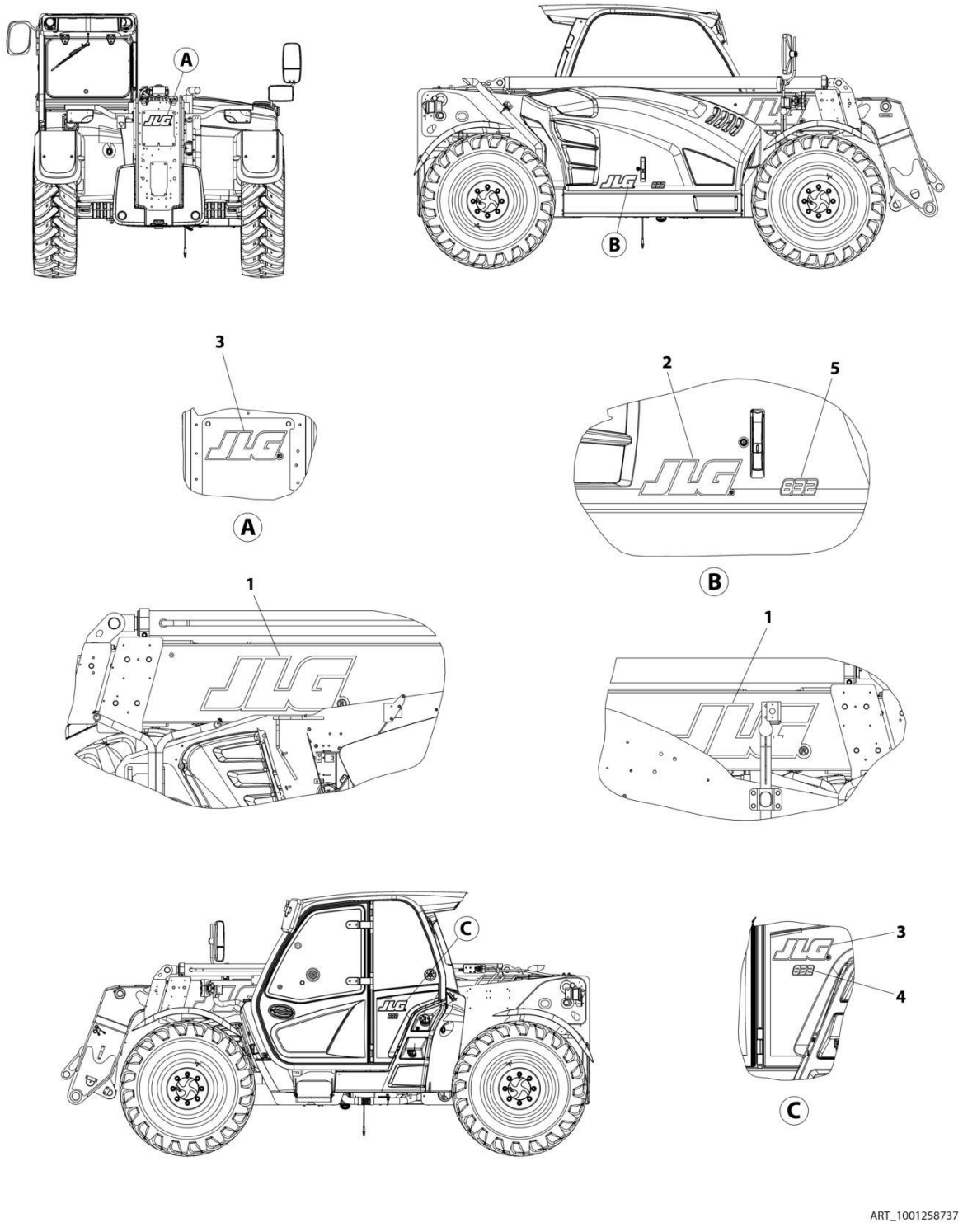


FIGURE 11-2. DECALS INSTALLATION - JLG (832)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258737	Ref	DECALS INSTALLATION	B
1	1001159728	2	Decal, JLG Logo	
2	1001160775	1	Decal, JLG - 5" Black	
3	1001169674	2	Decal, JLG M100X285	
4	1001276753	1	Decal, JLG 832 Cab	
5	1001276754	1	Decal, JLG 832 Hood	

FIGURE 11-3. DECALS INSTALLATION - JLG AG (AG832)

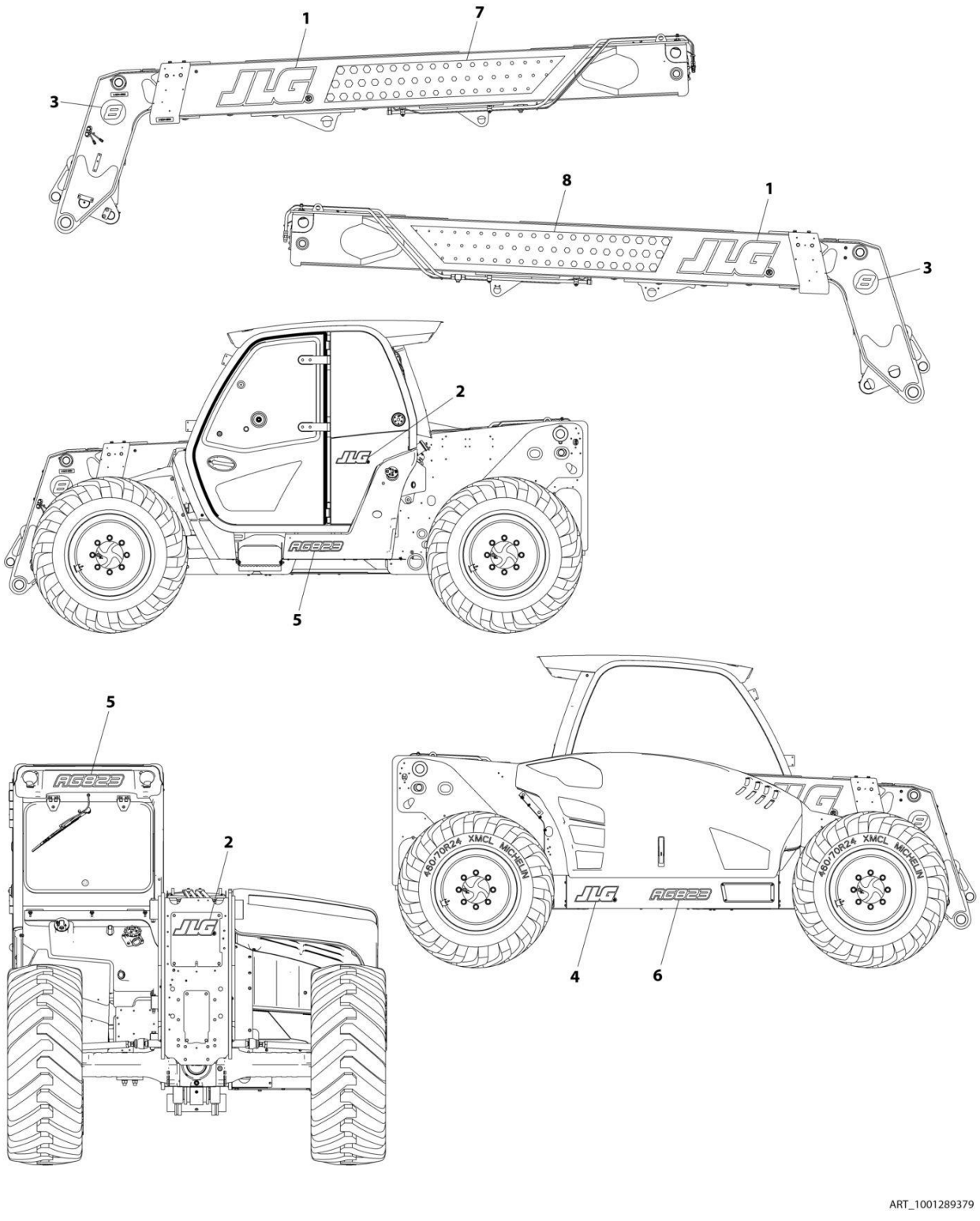
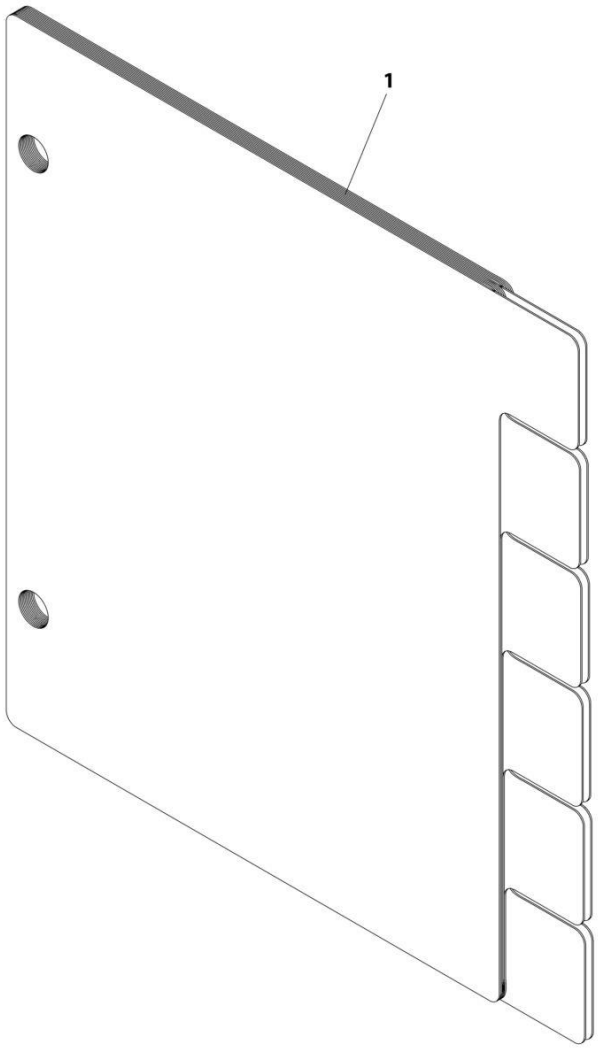


FIGURE 11-3. DECALS INSTALLATION - JLG AG (AG832)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289379	Ref	DECALS INSTALLATION - JLG AG	A
1	1001159728	2	Decal, JLG Logo	
2	1001169674	2	Decal, JLG M100 x 285	
3	1001279165	2	Decal, Boom Head	
4	1001288631	1	Decal, JLG	
5	1001289380	2	Decal, AG823 18"	
6	1001289381	1	Decal, AG823 20"	
7	1001289382	1	Decal, AG823 Boom - Cab Side	
8	1001289383	1	Decal, AG823 Boom - Eng Side	

FIGURE 11-4. CAPACITY CHART (ANSI)



ART_1001263702

FIGURE 11-4. CAPACITY CHART (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001263702	Ref	CAPACITY CHART (ANSI)	

FIGURE 11-5. CAPACITY CHART HOLDER INSTALLATION

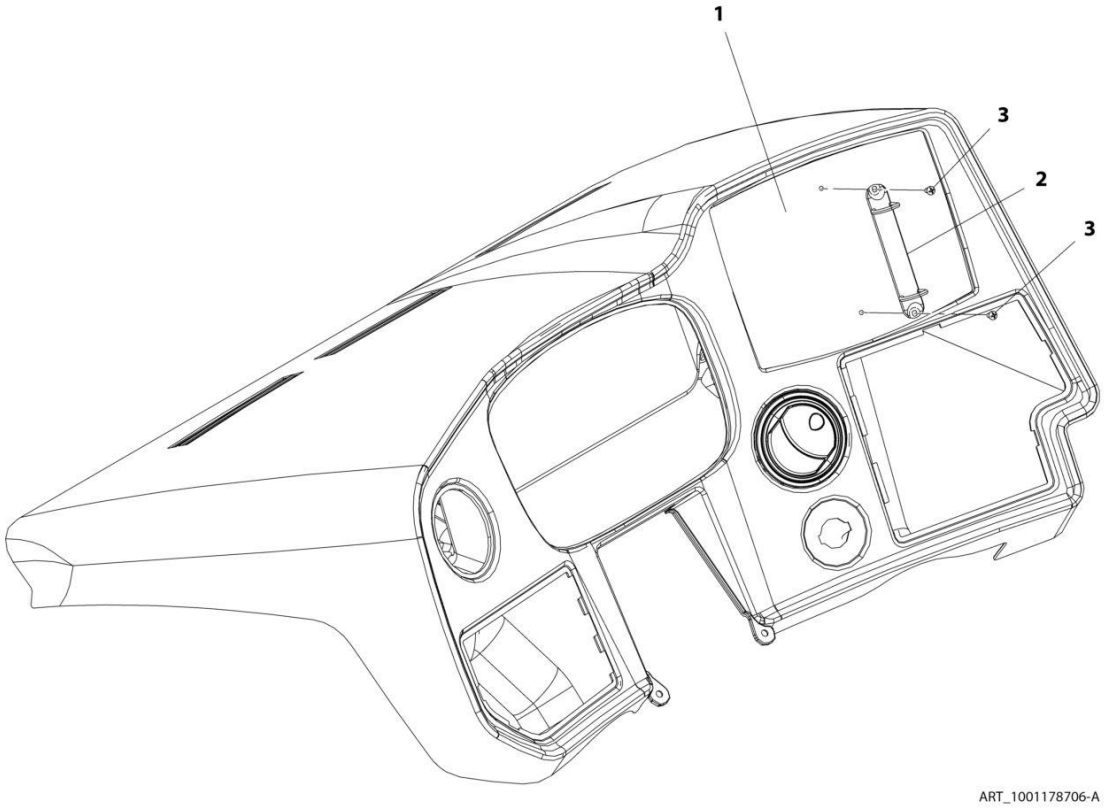


FIGURE 11-5. CAPACITY CHART HOLDER INSTALLATION

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 11-6. CLEARSKY DECAL INSTALLATION

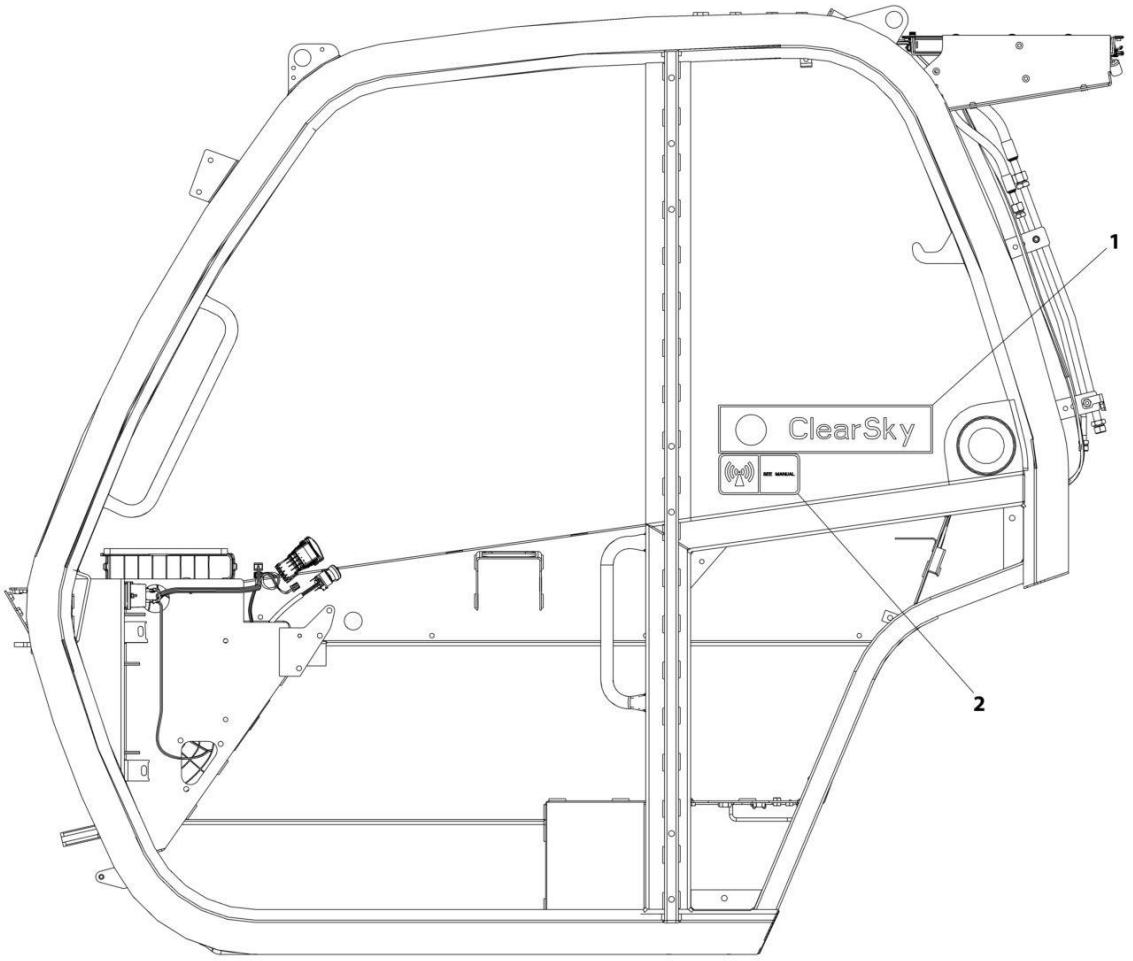


FIGURE 11-6. CLEARSKY DECAL INSTALLATION

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

FIGURE 11-7. TRIANGLE INSTALLATION - SLOW MOVING VEHICLE

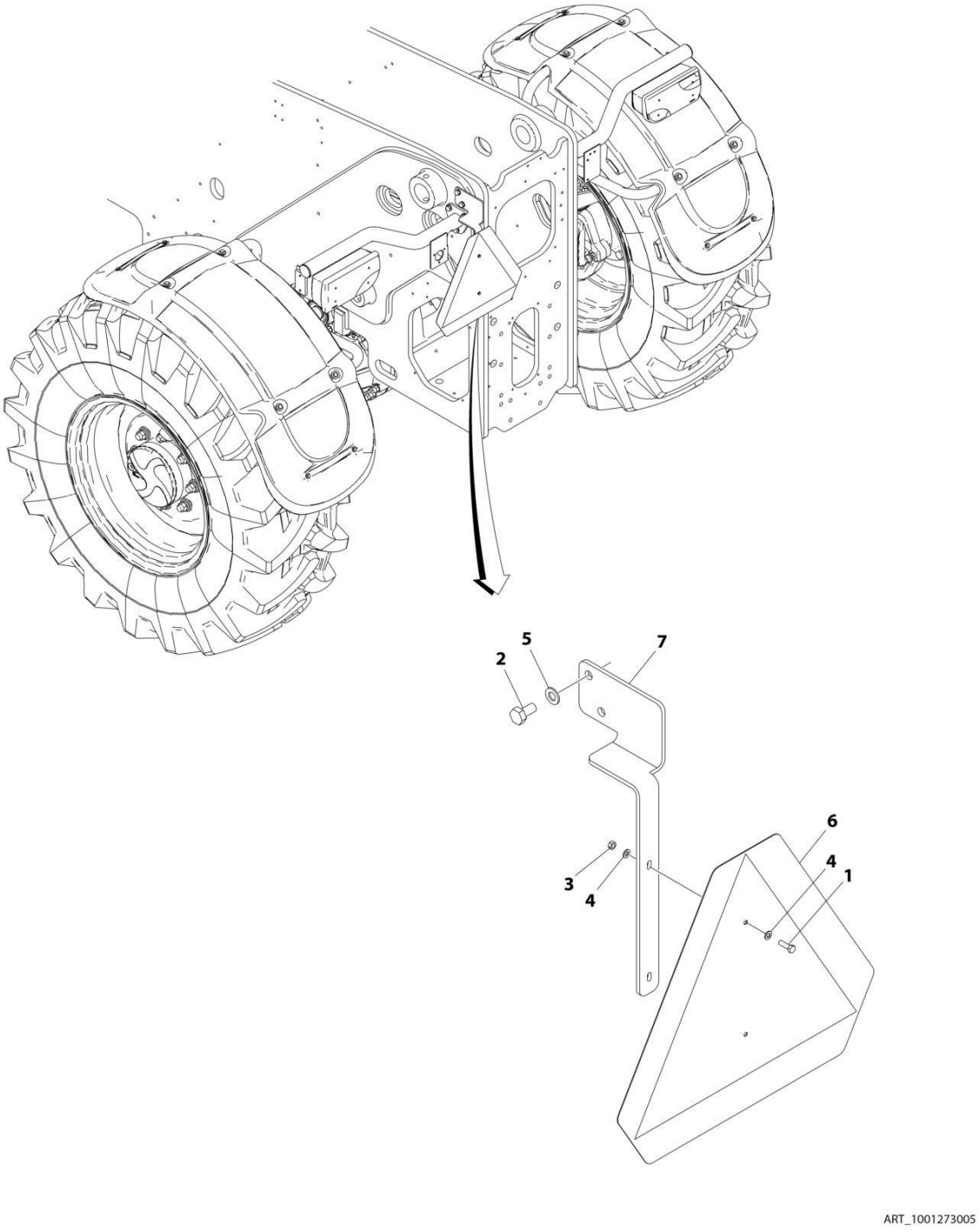


FIGURE 11-7. TRIANGLE INSTALLATION - SLOW MOVING VEHICLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001273005	Ref	TRIANGLE INSTALLATION - SLOW MOVING VEHICLE	A
1	0760508	2	Bolt M5 x 16	
2	0761010	2	Bolt M10 x 20	
3	3290501	2	Nut M5	
4	4811600	4	Washer M5	
5	4812000	2	Washer M10	
6	1001272882	1	Reflector, Red Triangle	
7	1001273004	1	Bracket	

FIGURE 11-8. TRIANGLE INSTALLATION (WITH HITCH)

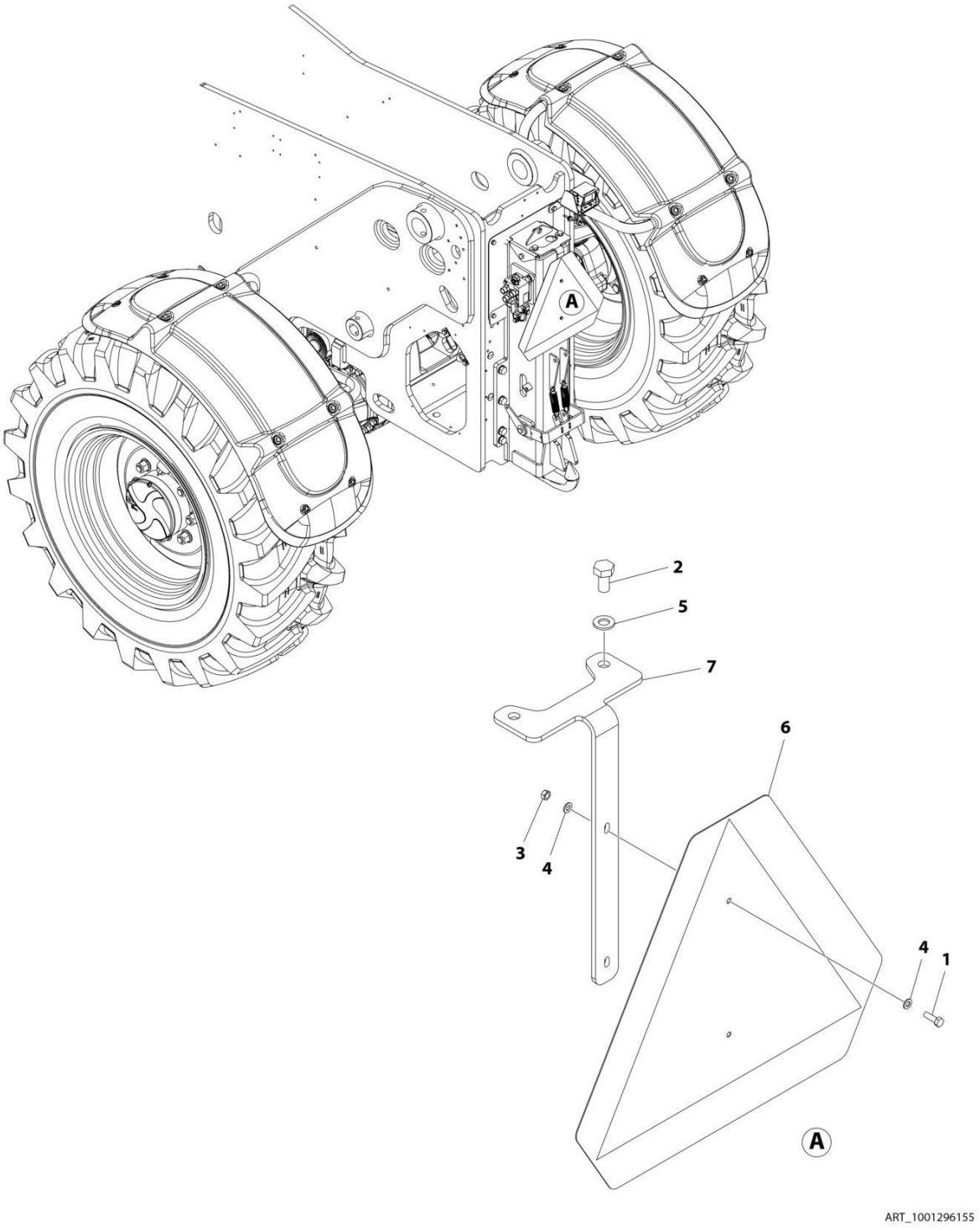


FIGURE 11-8. TRIANGLE INSTALLATION (WITH HITCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296155	Ref	TRIANGLE INSTALLATION - SLOW MOVING VEHICLE (WITH HTICH)	A
1	0760508	2	Bolt M5 x 16	
2	0761010	2	Bolt M10 x 20	
3	3290501	2	Nut M5	
4	4811600	4	Washer M5	
5	4812000	2	Washer M10	
6	1001272882	1	Reflector, Red Triangle	
7	1001296156	1	Bracket	

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.	
	70024455	1	Coil (Concrete Bucket)	
	70027269	1	Coil (Divertor Valve)	
	70020764	1	Coil (Divertor Valve)	
	70002971	1	Coil (Fan Motor Control)	
	70003788	1	Coil (Fan Motor Control)	
	70026967	1	Coil (Hydraulic Hitch Control)	
	70002386	1	Coil (Priority Flow Manifold)	
	70026582	1	Coil (Steering Select Valve)	
	70028870	1	Coil (Trailer Brake Valve)	
	70025456	1	Coil, Solenoid (Solenoid Valve)	
	1001270467	1	Control, TMH Front Frame Module LBP	
	1001270468	1	Control, TMH Rear Frame Module LBP	
	1001159028	1	Controller, Accelerator Pedal	
	70024859	1	Controller, Backrest Actuator (Seat Assembly Air Suspension - Premium)	
	1001187413	1	Controller, Brake Pedal	
	1001222603	1	Controller, Joystick 3R4B	
	1001242098	1	Controller, Joystick Fingertip Control	
	1001201951	1	Controller, Parking Brake (Mechanical)	
		Ref	Engine (90KW ULS)	
	70004511	12	Filter, Fuel	
	70025153	12	Filter, Fuel Prefilter	
	7016331	12	Filter, Oil	
	70025850	12	Filter, Primary Air	
	70025851	12	Filter, Secondary Air	
		Ref	Engine (100KW ULS)	
	70027417	12	Filter, Fuel	
	70025153	12	Filter, Fuel Prefilter	
	7016331	12	Filter, Oil	
	70025850	12	Filter, Primary Air	
	70025851	12	Filter, Secondary Air	
	1001162662	12	Filter, Breather Hydraulic (Hydraulic Tank)	
	1001162659	12	Filter, Hydraulic (Hydraulic Tank)	
	8229242	2	Fuse, 5A (Electrical & OPT 1 Board, Engine Harness)	
	80983191	2	Fuse, 10A (Electrical, OPT 1 & OPT 2 Board)	
	8229234	2	Fuse, 10A (Cab Harness)	
	8229244	2	Fuse, 15A (OPT 2 Board, Power Distribution Box & Engine Harness)	
	8229247	2	Fuse, 25A (OPT 1 Board, Power Distribution Box & Engine Harness)	
	8229245	2	Fuse, 30A (Electrical Board, Power Distribution Box & Engine Harness)	
	1001205172	2	Fuse, 35A (Engine Harness)	
	70026297	2	Fuse, 80A (Power Distribution Box)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095336	2	Fuse, 150A (Power Distribution Box)	
	70026296	2	Fuse, 200A (Power Distribution Box)	
	1001177597	2	Fuse, Mini Diode 6A (Engine Harness)	
	70022765	1	Key, Ignition	
	2940074	1	Latch (Fork Mounted Platform)	
	1001270466	1	Module, Cab Control	
	1001262322	1	Module, ClearSky Telematics CANBUS	
	70026292	1	Relay, 35Amp (Electrical Board)	
	70026295	1	Relay, 35Amp (Power Distribution Box)	
	70026293	1	Relay, 50Amp (OPT 1 Board)	
	70026294	1	Relay, 70Amp (Power Distribution Box)	
	1001117308	1	Relay, 200Amp (Electrical Relay Installation)	
	4000015	1	Sensor, Angle (Boom Angle Sensor)	
	1001149376	1	Sensor, Coolant Level (Expansion Tank)	
	70025539	1	Sensor, Pad (Upper Seat Assembly)	
	1001160730	1	Sensor, Rear Axle LSI	
	1001189997	1	Sensor, Reverse	
	70026808	1	Sensor, Steering (Rear Axle)	
	1001128478	1	Sensor, Temperature (CAC & Hydraulic Tank)	
	1001269578	1	Sensor, Temperature (Heat & A/C)	
	1001102502	1	Switch, 4 Position Key (Ignition Switch)	
	1001104654	1	Switch, AUX Decomp (Dash Electrical)	
	1001159738	1	Switch, Beacon (Beacon Install)	
	1001159745	1	Switch, Boom Ride (Boom Raise Hoses Install (With Ride Control)	
	1001159739	1	Switch, Boom Worklights	
	4360658	1	Switch, Brake Light (Switch Plate)	
	1001159748	1	Switch, Bucket Mode (Dash Electrical)	
	1001159741	1	Switch, Constant AUX (Dash Electrical)	
	1001202421	1	Switch, Declutch (Declutch Switch Installation)	
	1001192142	1	Switch, Disconnect (Electrical Components)	
	1001163639	1	Switch, Driving Lights (Dash Electrical)	
	1001198932	1	Switch, Engine Speed Set (Engine Speed Set Installation)	
	1001159737	1	Switch, Fog Lights (Dash Electrical)	
	1001189898	1	Switch, Framer/Loader (Dash Electrical)	
	1001159845	1	Switch, Front Worklights (Cab Worklights)	
	1001159734	1	Switch, Hazard (Dash Electrical)	
	70024107	1	Switch, Heater (Premium Air Suspension Seat)	
	1001198836	1	Switch, Hitch (Hitch Installation)	
	1001169268	1	Switch, Horn (Horn Button Installation)	
	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	
	1001200633	1	Switch, Pushbutton (Brake Installation - Trailer)	
	1001080375	1	Switch, Quick Switch (Hydraulic Coupler)	
	1001159735	1	Switch, Rear Wiper (Dash Electrical)	
	1001159846	1	Switch, Rear Worklights (Cab Worklights)	
	1001145204	1	Switch, Reversing Fan (Cooling Package)	
	1001159736	1	Switch, Roof Wiper	
	1001159849	1	Switch, Steer Mode (Dash Electrical)	
	1001214280	1	Switch, Turn-Wiper (Wiper - Turn Switch (0 Speed -FNR) & (No Speed)	

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174712	1	Switch, USB Charger (Dash Electrical)	
	1001257348	1	Switch, Zero Speed (Wiper - Turn Switch (0 Speed -FNR)	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

FIGURE 13-1. SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	See Note	Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	MISCELLANEOUS SPECIAL OPTIONS/ACCESSORIES/KITS	
	1001264937	Ref	Boom Assembly Kit	
	1001264916	Ref	Boom Brush Kit	
	1001264918	Ref	Boom Kit	
	1001199382	Ref	Cab Guard Front & Top Kit	
	1001199381	Ref	Cab Guard Front Kit	
	1001199380	Ref	Cab Guard Top Kit	
	1001268341	Ref	Camera (Rear View) Add-on Kit(Dealer Installed)	
	1001264727	Ref	ClearSky Kit	
	70024168	Ref	Coupler Locking Cylinder Seal Kit	
	1001264873	Ref	Filter Kit - Without HVAC (Level 1)	
	1001264874	Ref	Filter Kit - With HVAC (Level 2)	
	1001274892	1	Forward/Reverse Lever Kit - 0 Speed	
	1001265291	Ref	Service Kits	C
	1001264921	Ref	Wear Pad Kit	

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