Illustrated Parts Manual

Models
1075
4523

PVC
2205

P/N
31211885

November 1, 2023 - Rev D

An Oshkosh Corporation Company

EFFECTIVITY PAGE

May 1, 2022 - A - Original Issue of Manual (Edited to B/M 1001236000 Revision W)
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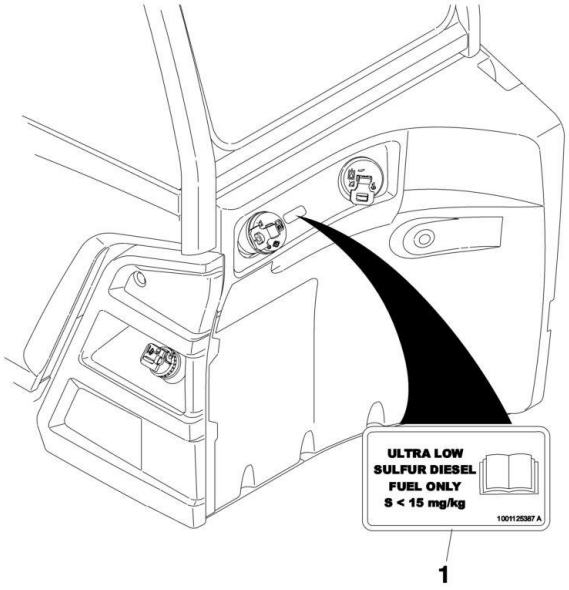
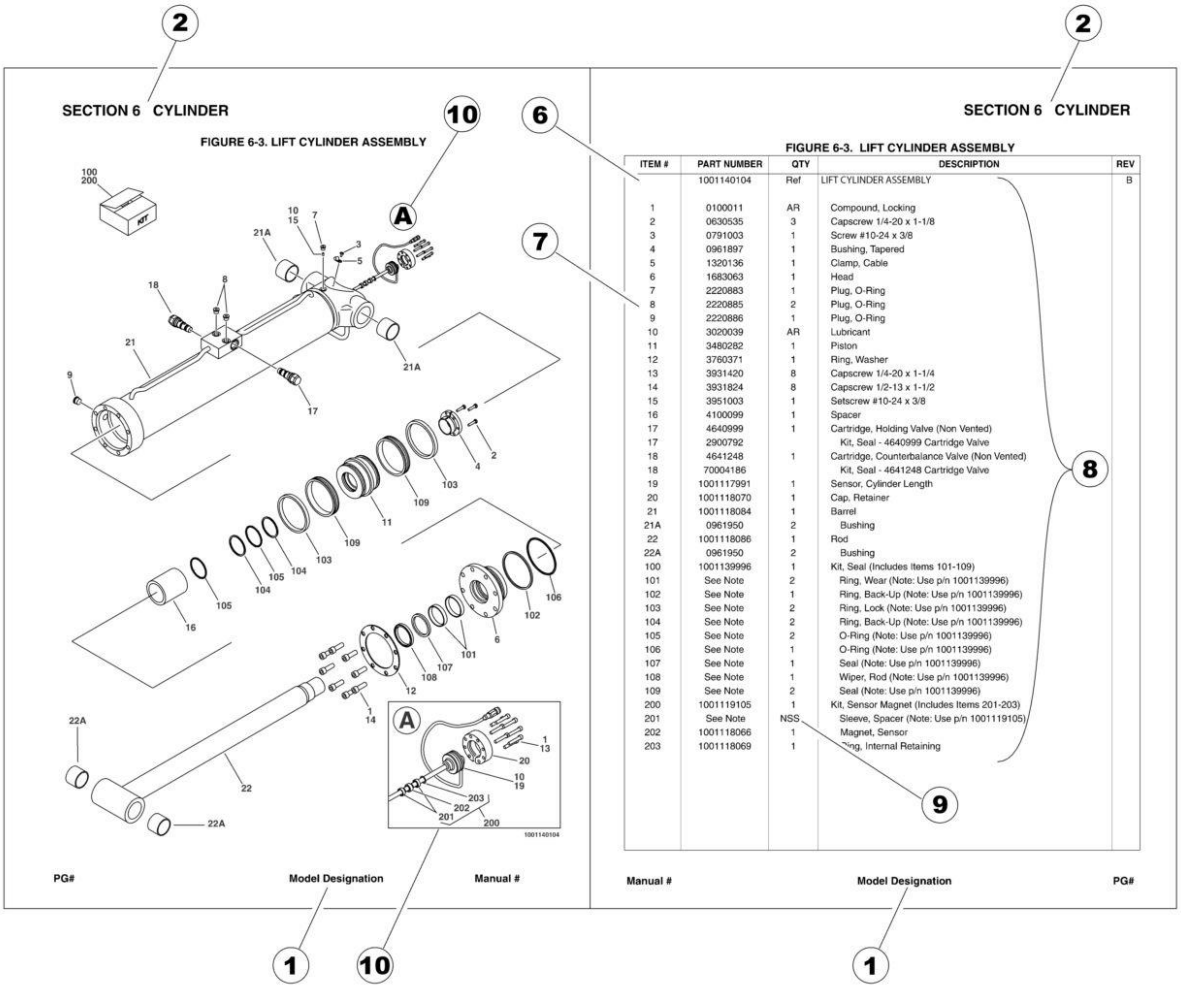
Machine Configuration

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. COUNTERWEIGHT INSTALLATION

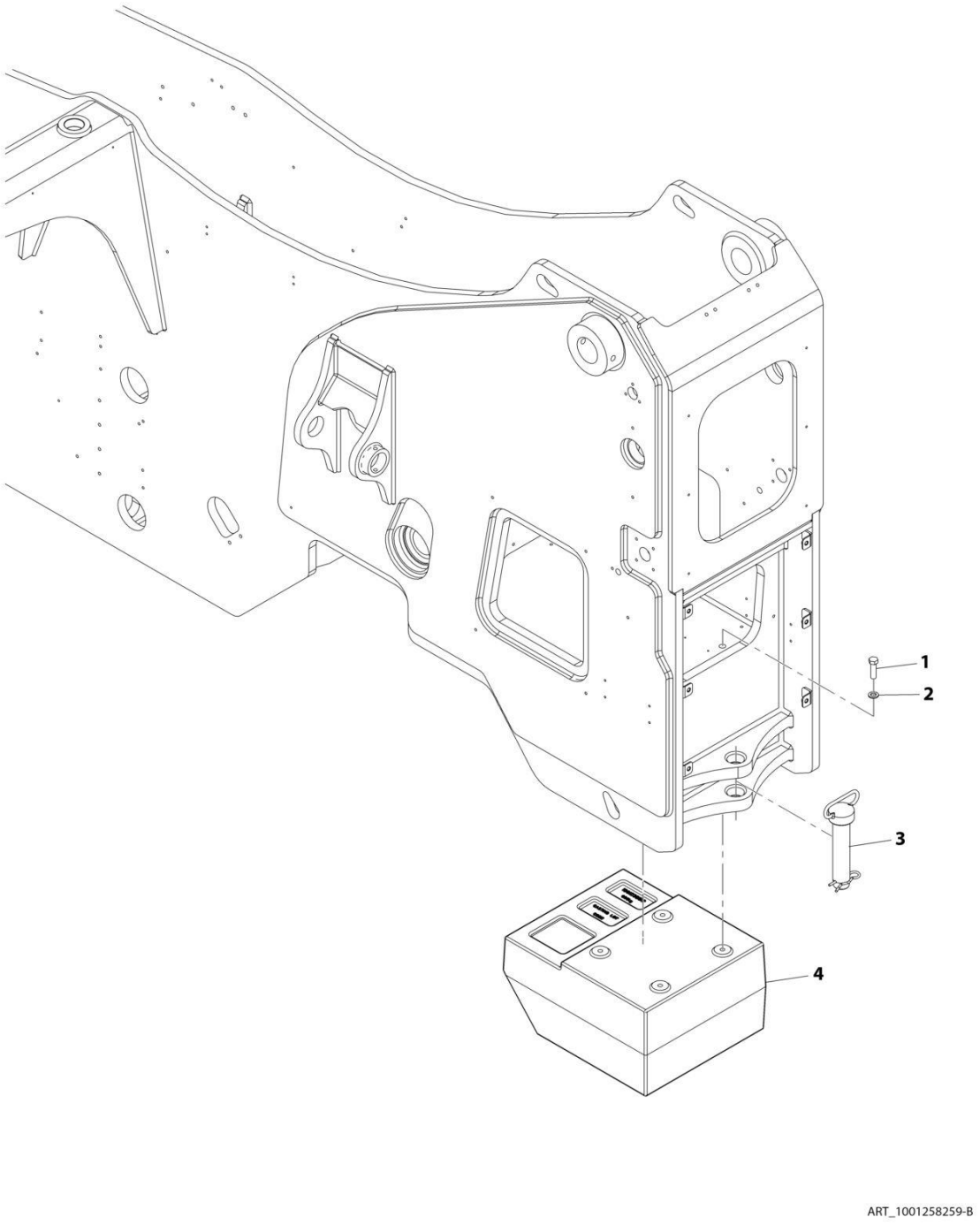


FIGURE 1-1. COUNTERWEIGHT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258259	Ref	Counterweight Installation	B
1	0771619	NSS	Bolt, M16X55	
2	4812300	NSS	Washer, M16	
3	1001197955	1	Pin, Hitch	
4	1001238912	NSS	Counterweight	

FIGURE 1-2. ENGINE ENCLOSURE INSTALLATION

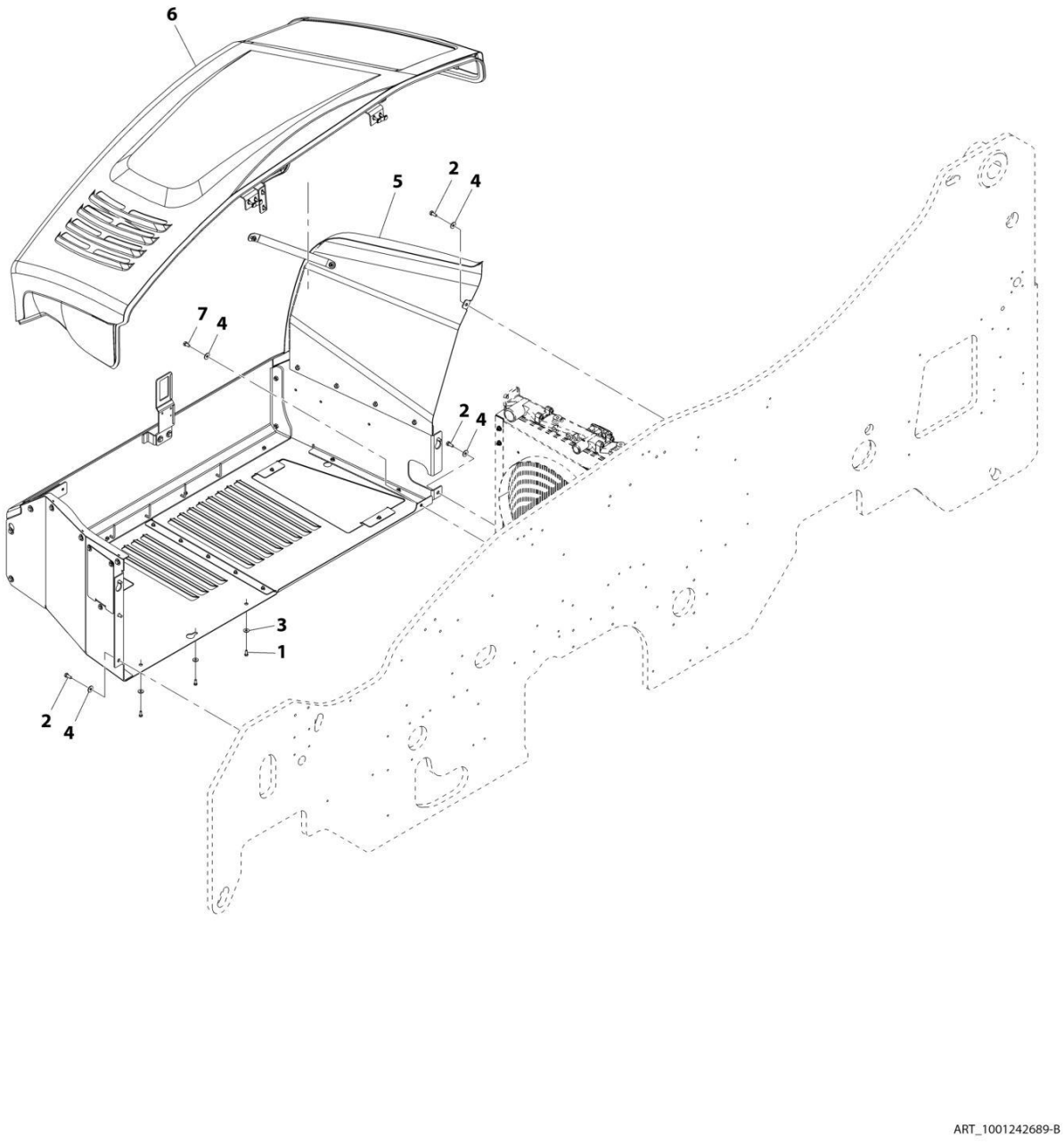


FIGURE 1-2. ENGINE ENCLOSURE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242689	Ref	Engine Enclosure Installation	B
1	0760810	3	Bolt, M8X20	
2	0761012	6	Bolt, M10X25	
3	4811902	3	Washer, M8	
4	4812002	7	Washer, M10	
5	1001236131	1	Installation, Enclosure Skirt (See Separate Breakdown in this Section)	
6	1001239257	1	Installation, Hood (See Separate Breakdown in this Section)	
7	0761010	1	Bolt, M10X20	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. ENCLOSURE SKIRT INSTALLATION

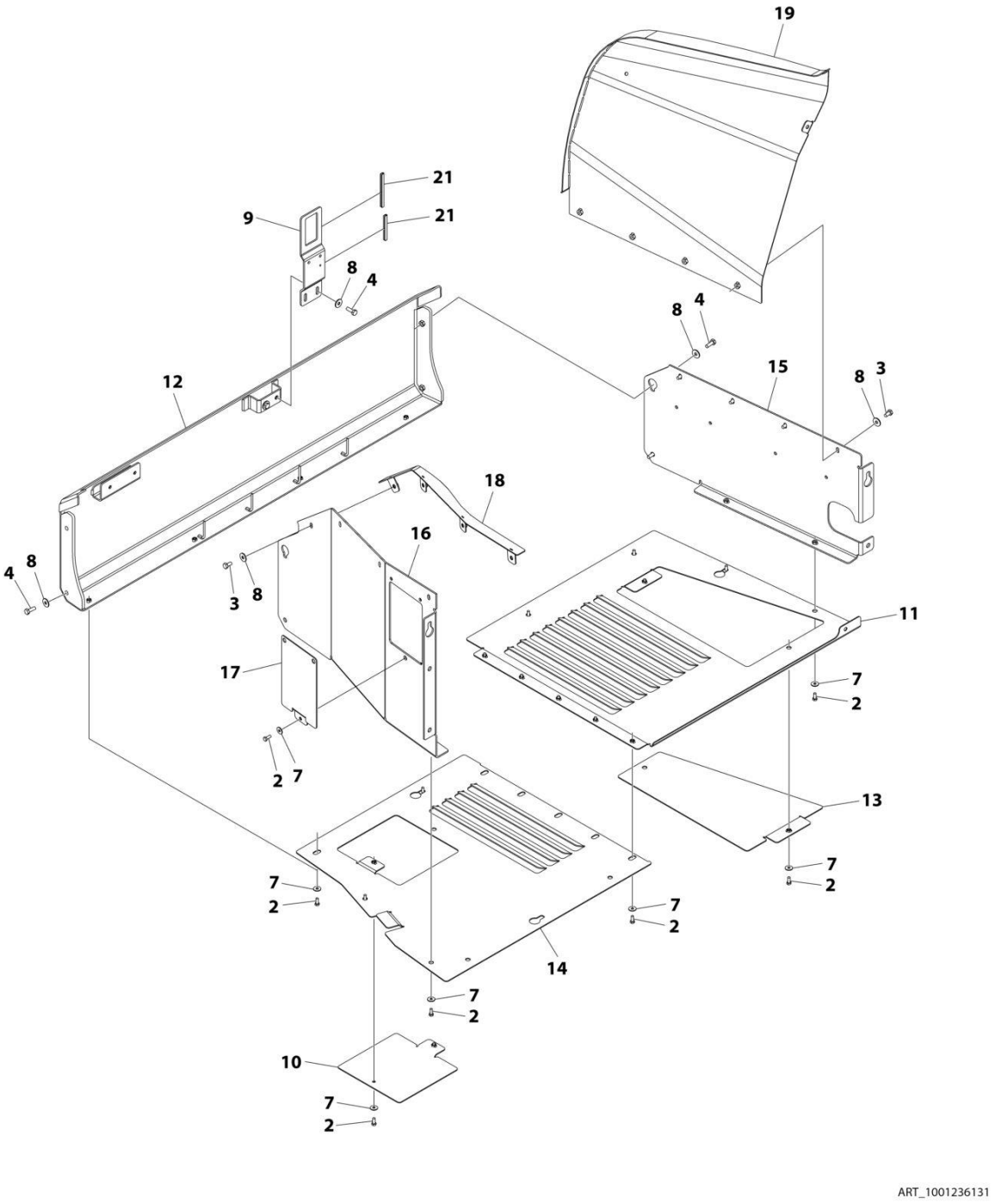


FIGURE 1-3. ENCLOSURE SKIRT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236131	Ref	ENCLOSURE SKIRT INSTALLATION	C
2	0760810	20	Bolt M8 x 20	
3	0761010	8	Bolt M10 x 20	
4	0761014	6	Bolt M10 x 30	
7	4811902	20	Washer M8	
8	4812002	14	Washer M10	
9	1001154688	1	Plate, Latch	
10	1001194969	1	Plate, Access Panel	
11	1001242690	1	Panel, Bottom Cover Assembly	
12	1001242692	1	Panel, Side Skirt Assembly	
13	1001242719	1	Plate, Access Panel	
14	1001242721	1	Panel Bottom Cover Front	
15	1001242723	1	Panel, Rear Skirt	
16	1001242725	1	Panel, Front Skirt	
17	1001246770	1	Plate, Access Panel	
18	1001246771	1	Mount	
19	1001246801	1	Panel, Rear Cover	
21	4060804	235 mm	Shield	

FIGURE 1-4. HOOD INSTALLATION

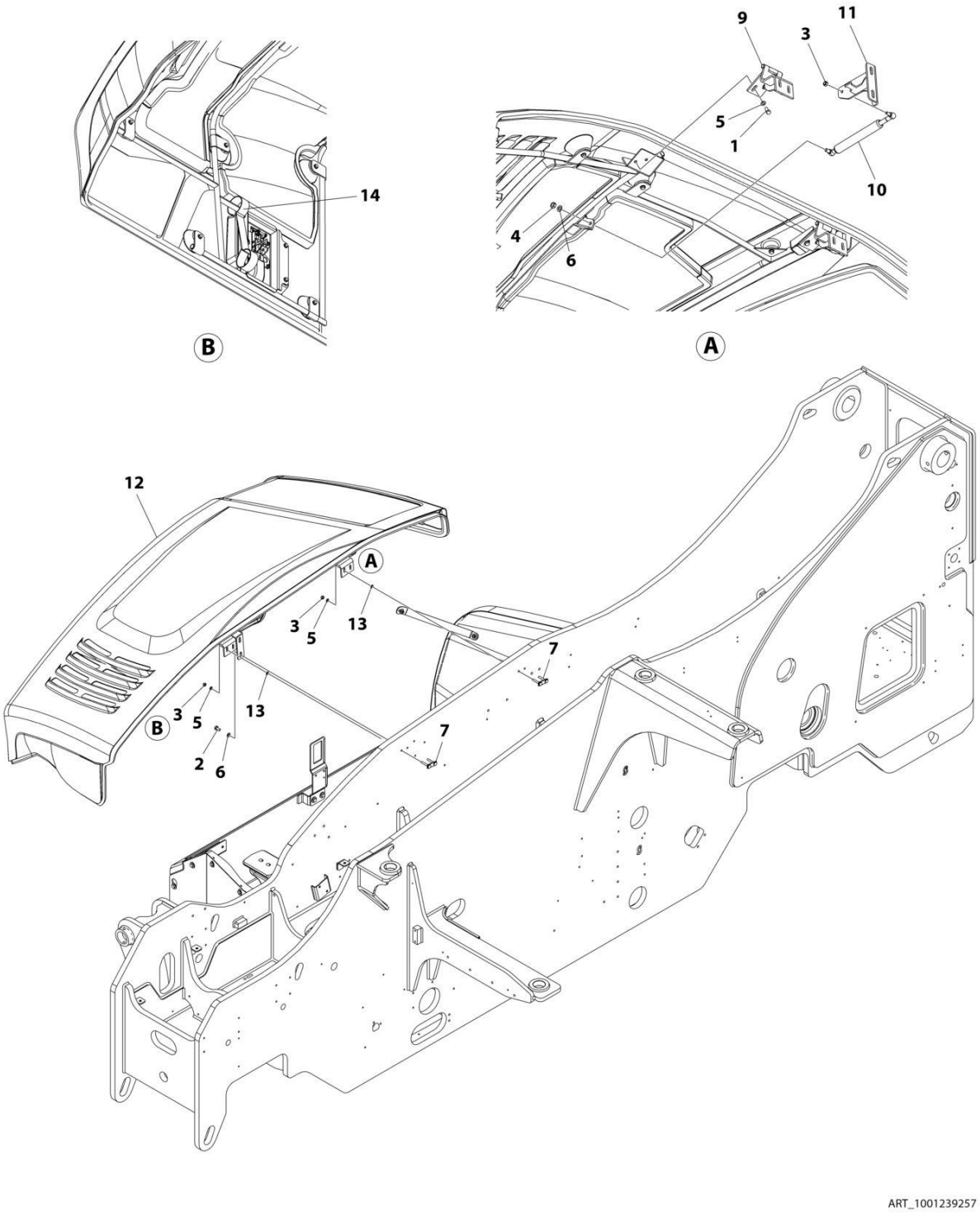


FIGURE 1-4. HOOD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239257	Ref	HOOD INSTALLATION	C
1	0760810	4	Bolt M8 x 20	
2	0761010	2	Bolt M10 x 20	
3	3290805	5	Nut M8 x 1.25	
4	3291001	1	Nut M10 x 1.5	
5	4811900	8	Washer M8	
6	4812000	3	Washer M10	
7	1001195587	2	Brace, Hood Hinge	
9	1001205080	2	Hinge, Hood	
10	1001257090	1	Spring	
11	1001239256	1	Bracket	
12	1001246800	1	Hood Assembly	
13	1001256264	4	Washer M8	
14	1001265032	1	Strap, Hand Pull	

FIGURE 1-5. CLOSURE INSTALLATION (1075)

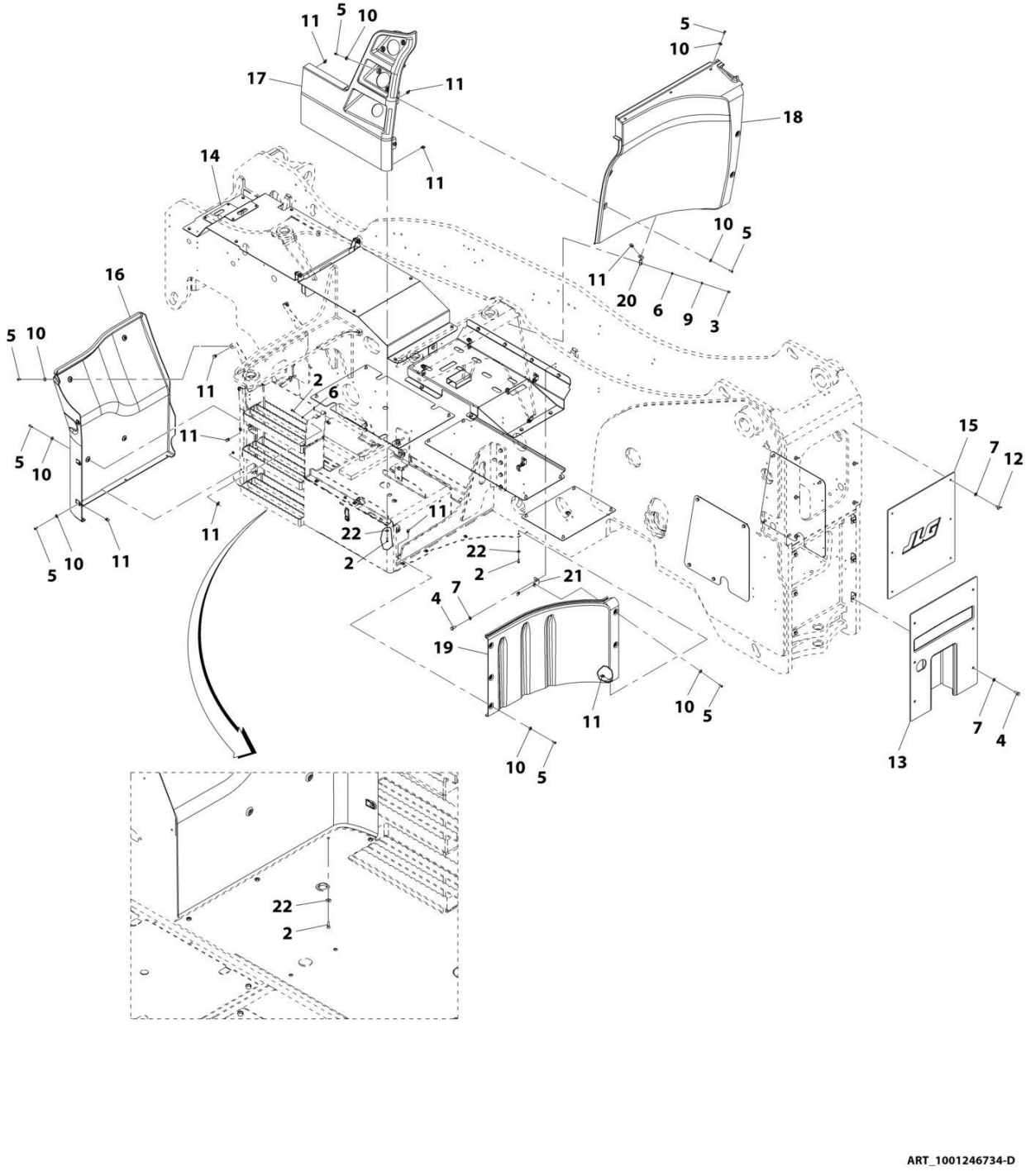


FIGURE 1-5. CLOSURE INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246734	Ref	Closures Installation	D
2	0700610	12	Bolt, M6X20	
3	0760607	3	Bolt, M6X14	
4	0761012	10	Bolt, M10X25	
5	3900379	23	Screw, M6-1X25	
6	4811700	4	Washer, M6	
7	4812000	16	Washer, M10	
9	4831700	3	Washer, Lock M6	
10	1001097540	23	Washer, M6	
11	1001130220	28	Nut, M6	
12	1001250708	6	Bolt, M8X20	
13	1001246376	1	Cover, Rear Frame	
14	1001239507	1	Installation, Frame Covers (See Separate Breakdown in this Section)	
15	1001246375	1	Cover, Rear Frame	
16	1001247056	1	Cover, Lower Front	
17	1001247103	1	Cover, Side Tank	
18	1001247148	1	Cover, Rear Tank	
19	1001247199	1	Cover, Lower Rear Tank	
20	1001247384	3	Bracket	
21	1001247414	4	Bracket	
22	4811702	11	Washer, M6	

FIGURE 1-6. CLOSURE INSTALLATION (4523)

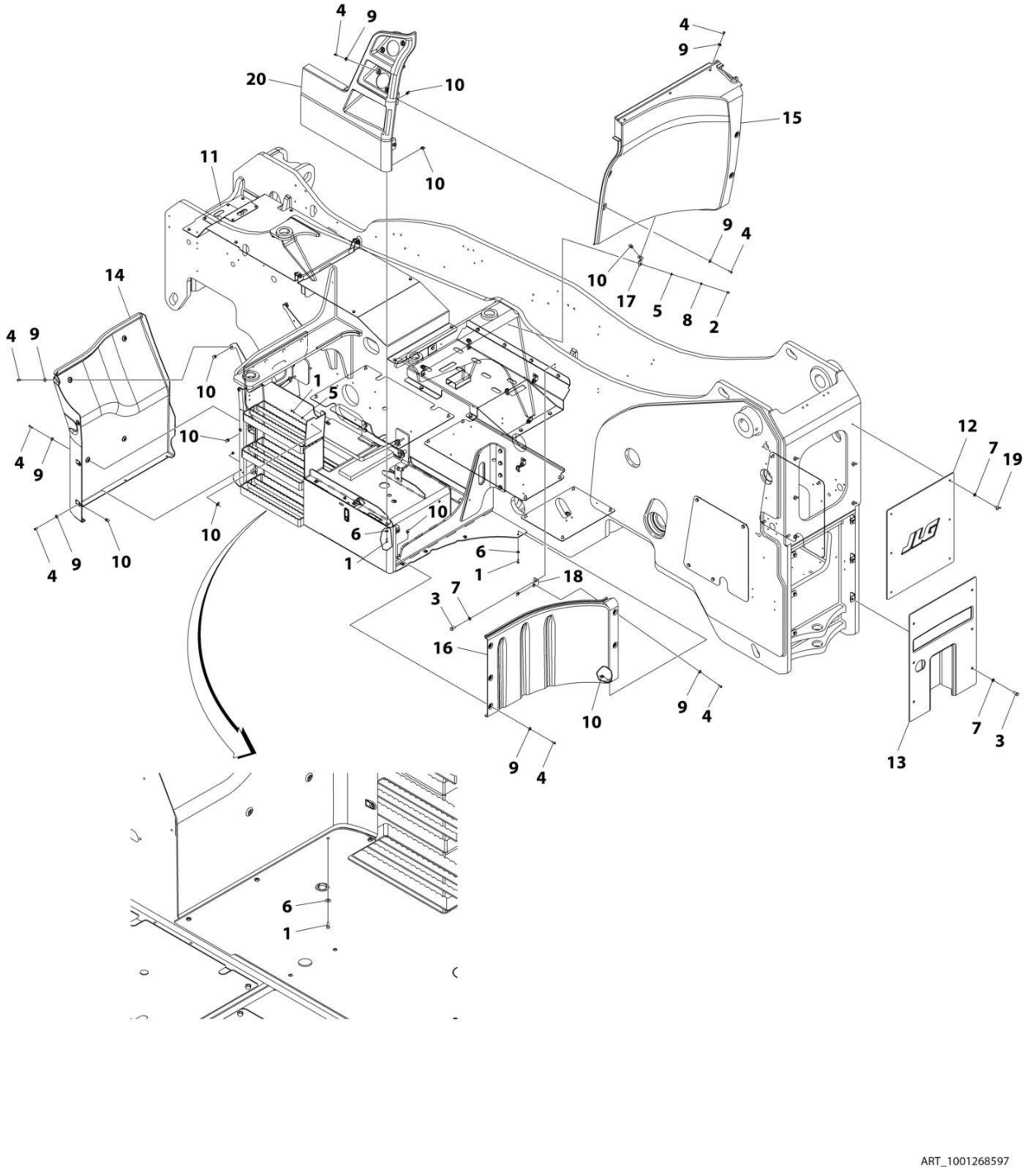


FIGURE 1-6. CLOSURE INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268597	Ref	CLOSURE INSTALLATION	A
1	0700610	12	Bolt M6 x 20	
2	0760607	3	Bolt M6 x 14	
3	0761012	10	Bolt M10 x 25	
4	3900379	23	Screw M6 x 25	
5	4811700	4	Washer M6	
6	4811702	11	Washer M6	
7	4812000	16	Washer M10	
8	4831700	3	Washer M6	
9	1001097540	23	Washer M6	
10	1001130220	28	Nut M6	
11	1001239507	1	Installation, Frame Covers (See Separate Breakdown in this Section)	
12	1001246375	1	Cover, Rear Frame	
13	1001246376	1	Cover, Rear Frame	
14	1001247056	1	Cover, Lower Front	
15	1001247148	1	Cover, Rear Tank	
16	1001247199	1	Cover, Lower Rear Tank	
17	1001247384	3	Bracket	
18	1001247414	4	Bracket	
19	1001250708	6	Bolt M8 x 20	
20	1001268596	1	Cover, Side Tank	

FIGURE 1-7. FRAME COVER INSTALLATION

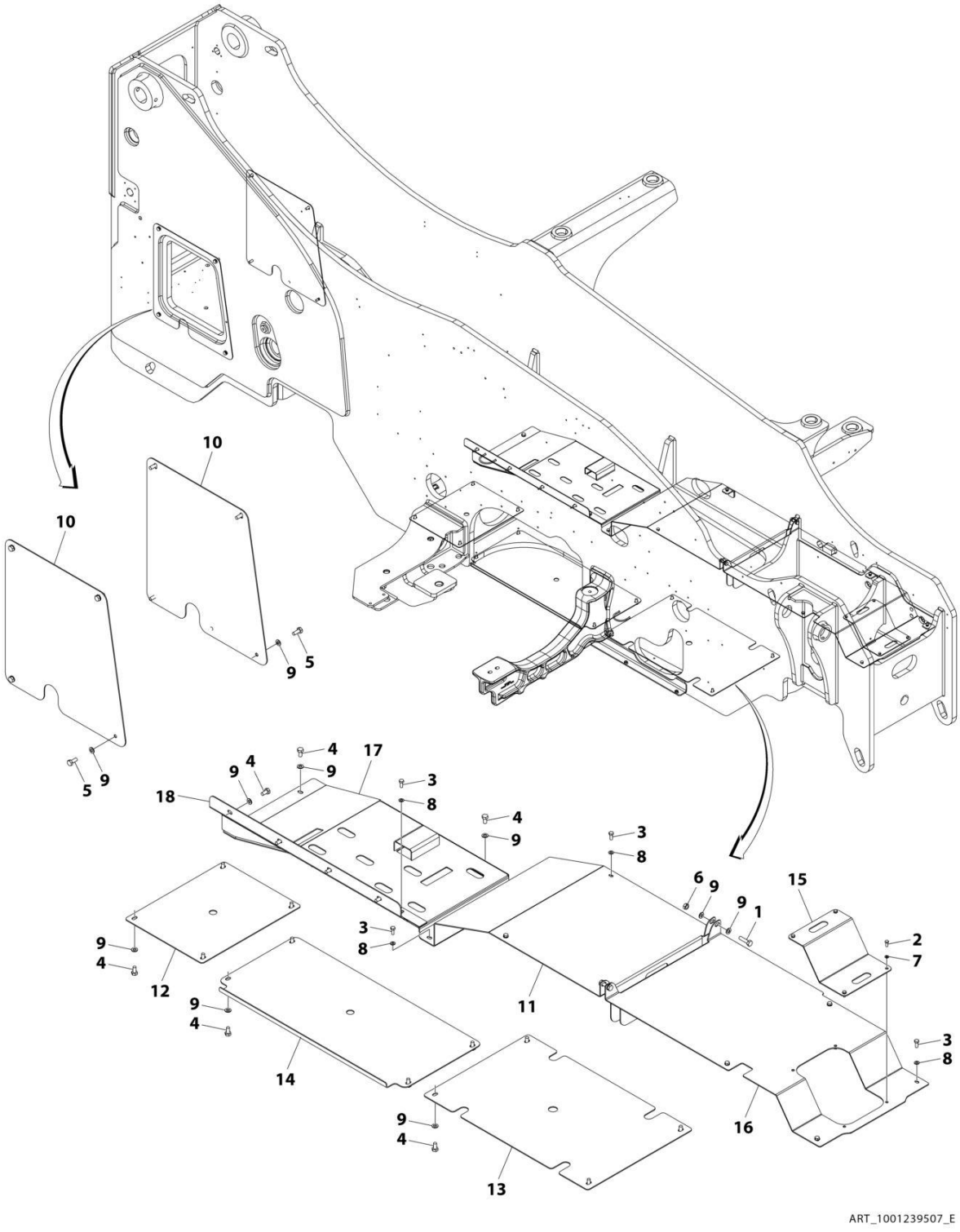
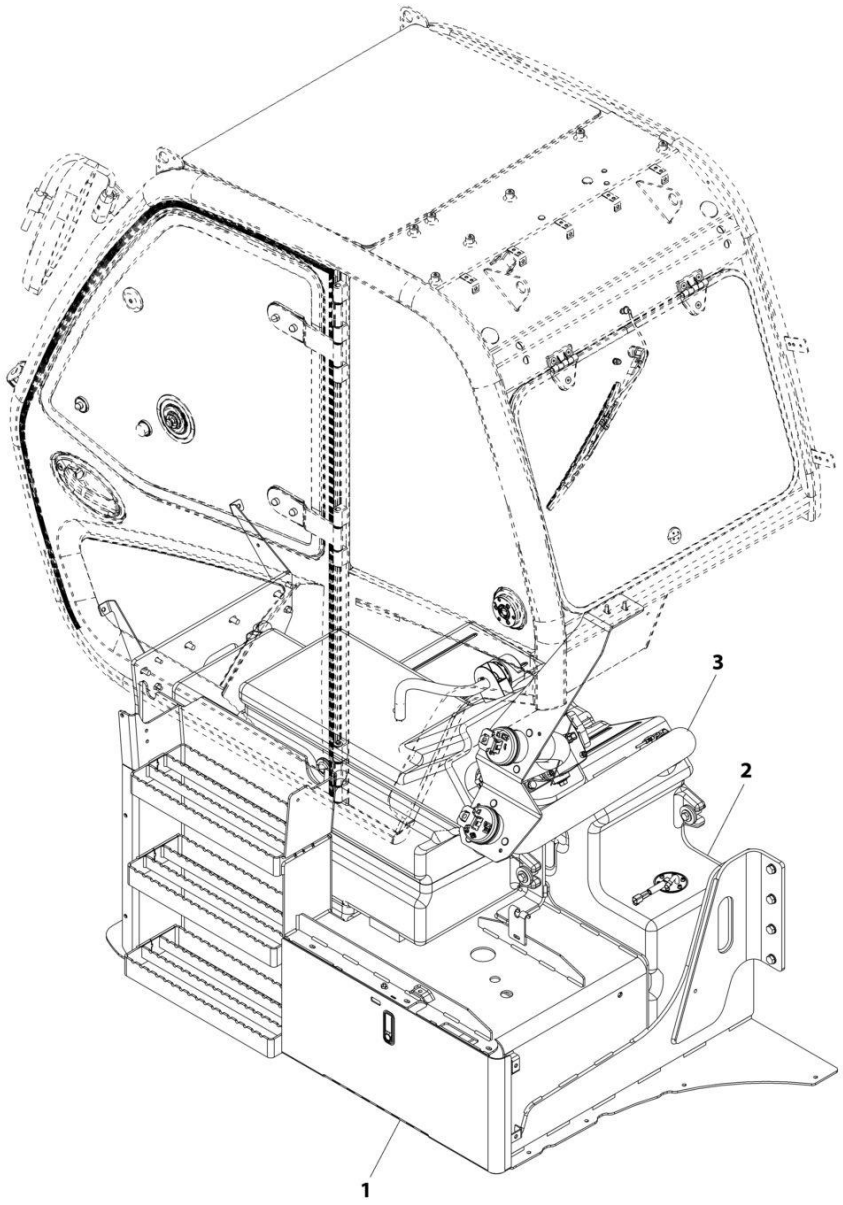


FIGURE 1-7. FRAME COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239507	Ref	FRAME COVER INSTALLATION	E
1	0701016	2	Bolt M10 x 40	
2	0760608	4	Bolt M6 x 16	
3	0760810	10	Bolt M8 x 20	
4	0761010	20	Bolt M10 x 20	
5	0761012	8	Bolt M10 x 25	
6	3291001	2	Nut M10	
7	4811700	4	Washer M6	
8	4811900	10	Washer M8	
9	4812000	32	Washer M10	
10	1001239486	2	Plate, Frame Cover	
11	1001239488	1	Plate, Frame Cover	
12	1001239490	1	Plate, Frame Cover	
13	1001239491	1	Plate, Frame Cover	
14	1001239492	1	Plate, Frame Cover	
15	1001245200	1	Plate, Frame Cover	
16	1001245201	1	Assembly, Frame Cover	
17	1001245707	1	Assembly, Frame Cover	
18	1001239489	1	Plate, Frame Cover	

FIGURE 1-8. TANKS INSTALLATION



ART_1001205203-A

FIGURE 1-8. TANKS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205203	Ref	Tanks Installation	A
1	1001207943	1	Installation, Hydraulic Tank (See Separate Breakdown in this Section)	
2	1001246825	1	Installation, Fuel Tank (See Separate Breakdown in this Section)	
3	1001246830	1	Installation, Remote Fill (See Separate Breakdown in this Section)	

FIGURE 1-9. HYDRAULIC TANK INSTALLATION

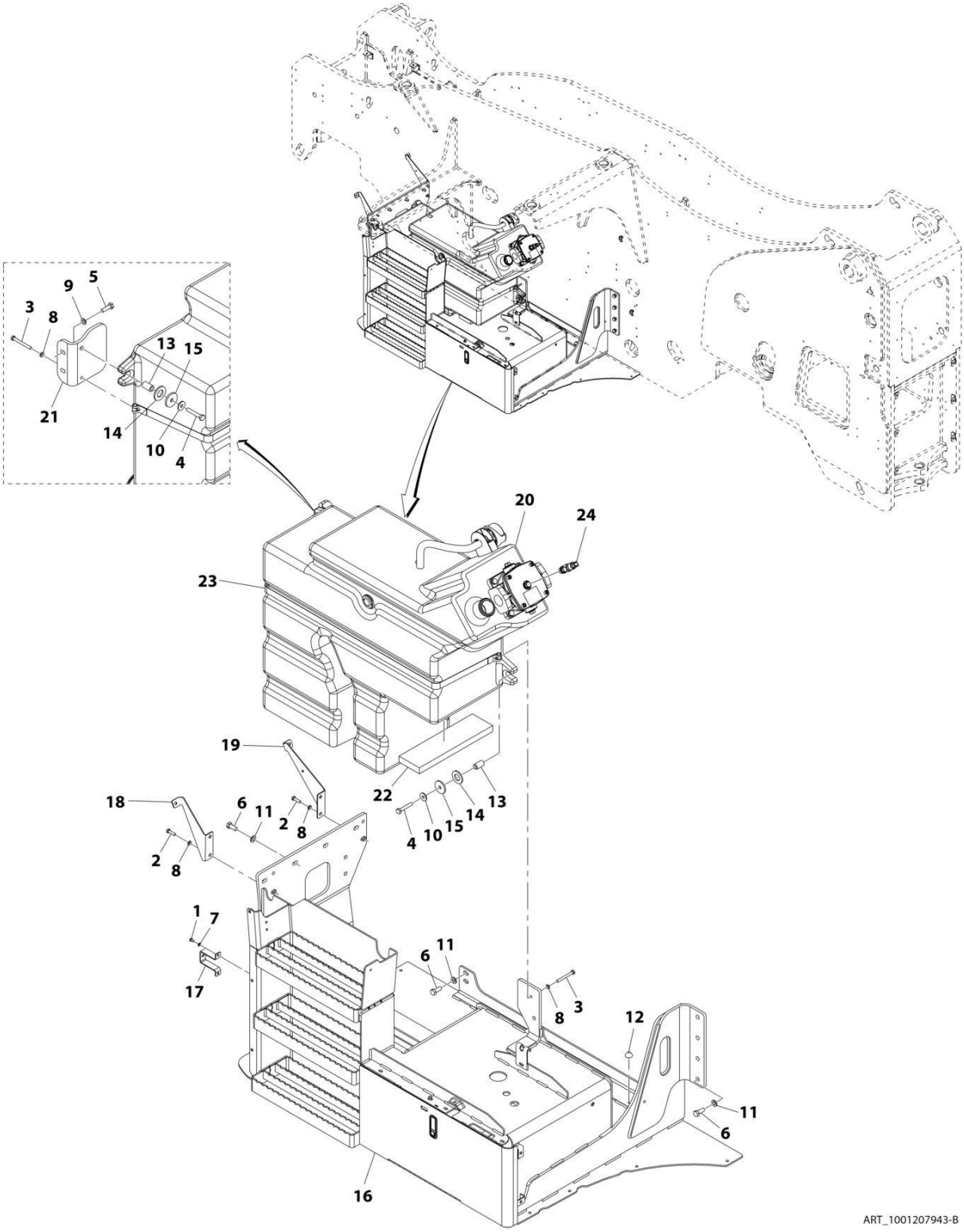


FIGURE 1-9. HYDRAULIC TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207943	Ref	Hydraulic Tank Installation	B
1	0700605	4	Bolt, M6X10	
2	0700814	4	Bolt, M8X30	
3	0760823	2	Bolt, M8X75	
4	0701020	2	Bolt, M10X60	
5	0711015	2	Bolt, M10X35	
6	0761214	10	Bolt, M12X30	
7	4811700	4	Washer, M6	
8	4811900	6	Washer, M8	
9	4812000	2	Washer, M10	
10	4812002	2	Washer, M10	
11	4812100	10	Washer, M12	
12	1001169454	4	Buffer	
13	1001171179	2	Spacer	
14	1001172146	2	Washer, Rubber	
15	1001172147	2	Washer, M10	
16	1001205205	1	Support	
17	1001206850	2	Support	
18	1001206875	1	Support	
19	1001206876	1	Support	
20	1001207944	1	Tank (See Separate Breakdown in this Section)	
21	1001208026	1	Bracket	
22	1001208674	1	Insulate, Oil Tank	
23	1001208676	1	Strap	
24	1001255573	1	Switch, Pressure	

FIGURE 1-10. HYDRAULIC TANK ASSEMBLY

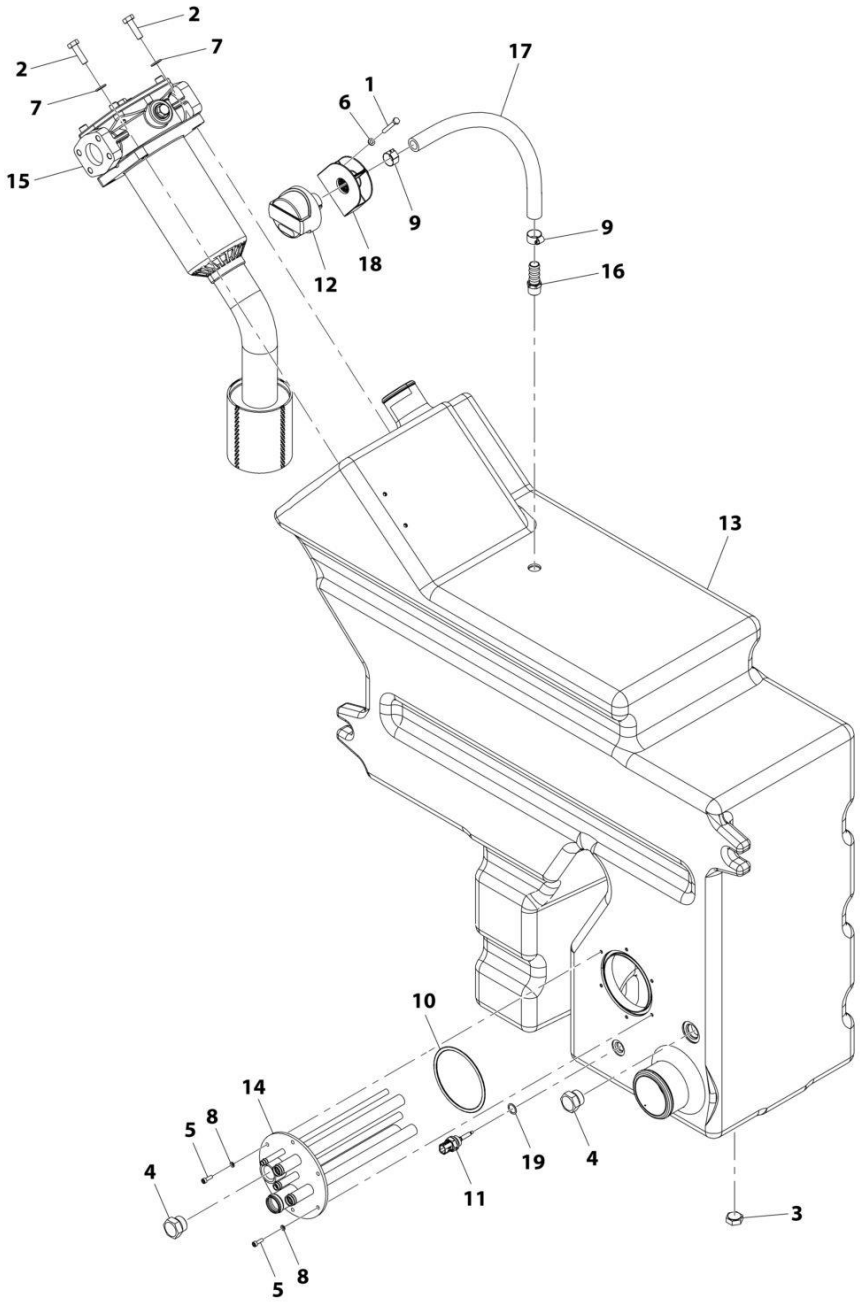


FIGURE 1-10. HYDRAULIC TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207944	Ref	Hydraulic Tank Assembly	F
1	0700617	2	Bolt, M6X45	
2	0711015	4	Bolt, M10X35	
3	2220239	1	Plug	
4	2220240	2	Plug	
5	4031607	6	Bolt, M5X16	
6	4811700	2	Washer, M6	
7	4812000	4	Washer, M10	
8	4831600	6	Washer, Lock M5	
9	8405006	2	Clamp, Gear	
10	1001003301	1	Seal O-Ring	
11	1001128478	1	Sensor, Temperature	
12	1001187877	1	Filter, Breather	
13	1001207945	1	Tank, Hydraulic	
14	1001191157	1	Manifold, Hydraulic Return	
15	1001243844	1	Filter	
16	1001239853	1	Straight, Adapter	
17	1001239856	1	Hose	
18	1001241350	1	Filter, Remote	
19	1001009163	1	O-Ring	

FIGURE 1-11. FUEL TANK INSTALLATION

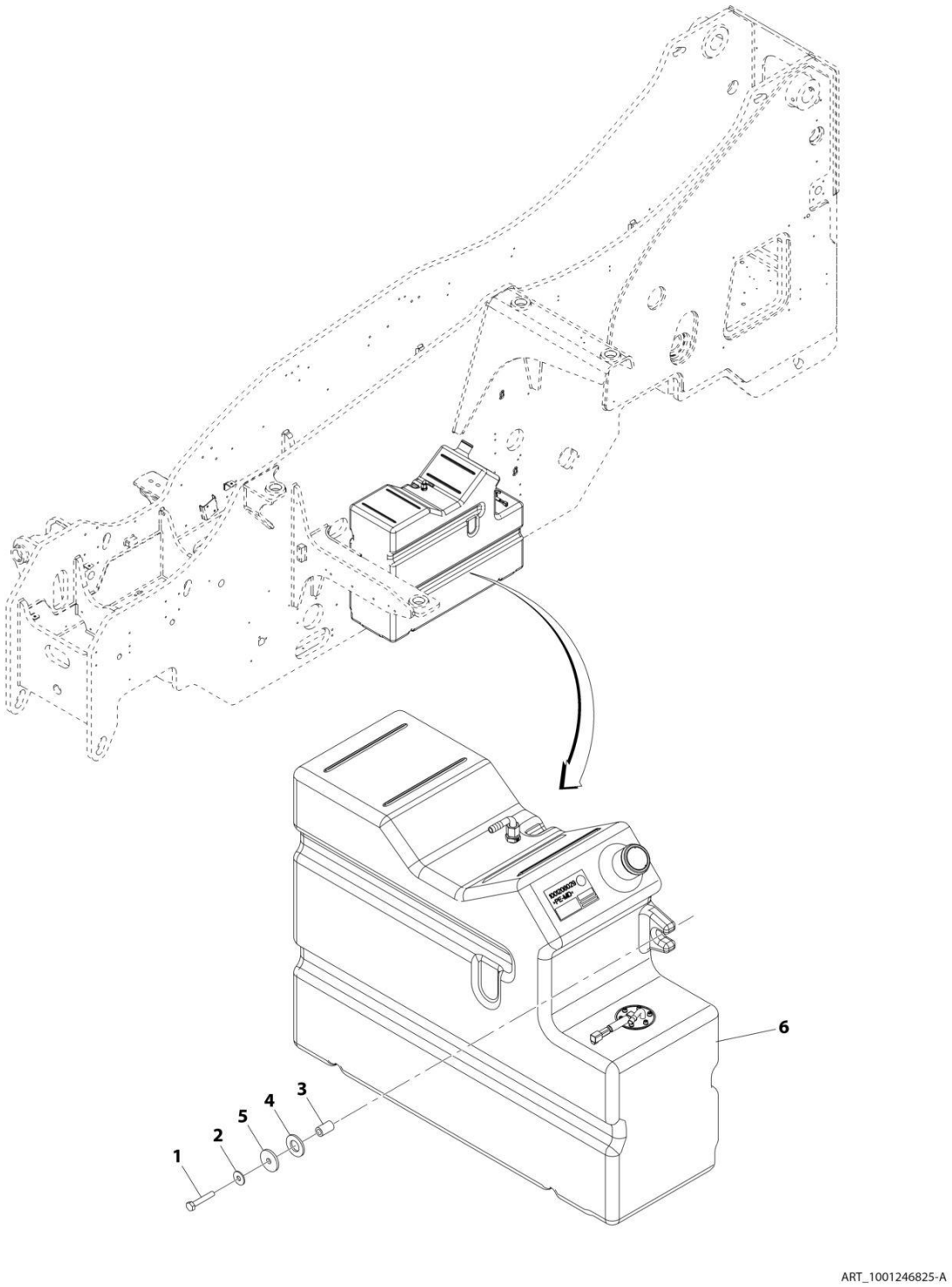


FIGURE 1-11. FUEL TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246825	Ref	Fuel Tank Installation	A
1	0701020	2	Bolt, M10X60	
2	4812002	2	Washer, M10	
3	1001171179	2	Spacer	
4	1001172146	2	Washer, Rubber	
5	1001172147	2	Washer, M10	
6	1001208028	1	Assembly, Fuel Tank (See Separate Breakdown in this Section)	

FIGURE 1-12. FUEL TANK ASSEMBLY

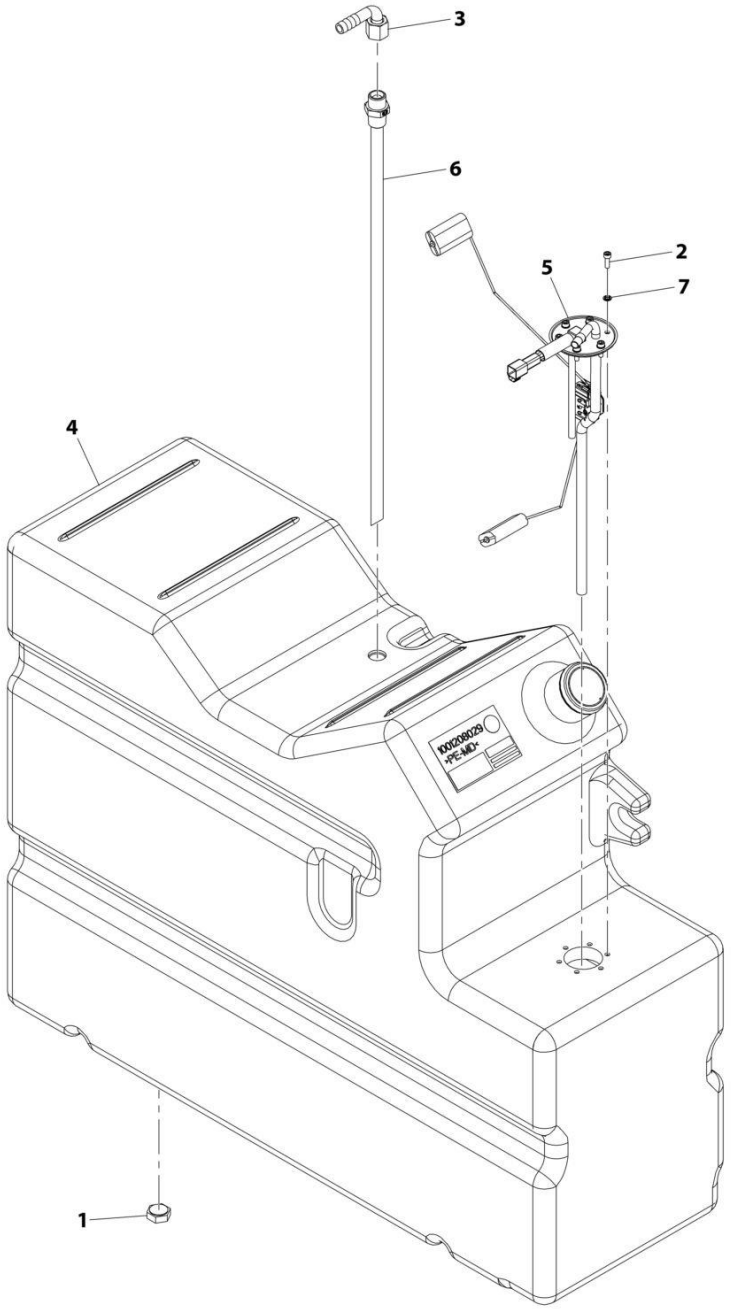


FIGURE 1-12. FUEL TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208028	Ref	Fuel Tank Assembly	C
1	2220239	1	Plug	
2	4031607	6	Bolt, M5X16	
3	1001172693	1	Fitting, 90	
4	1001208029	1	Tank, Fuel	
5	1001222188	1	Sender, Fuel Level	
6	1001241324	1	Pipe, Fuel Supply	
7	1001222190	6	Washer	

FIGURE 1-13. REMOTE FILL INSTALLATION

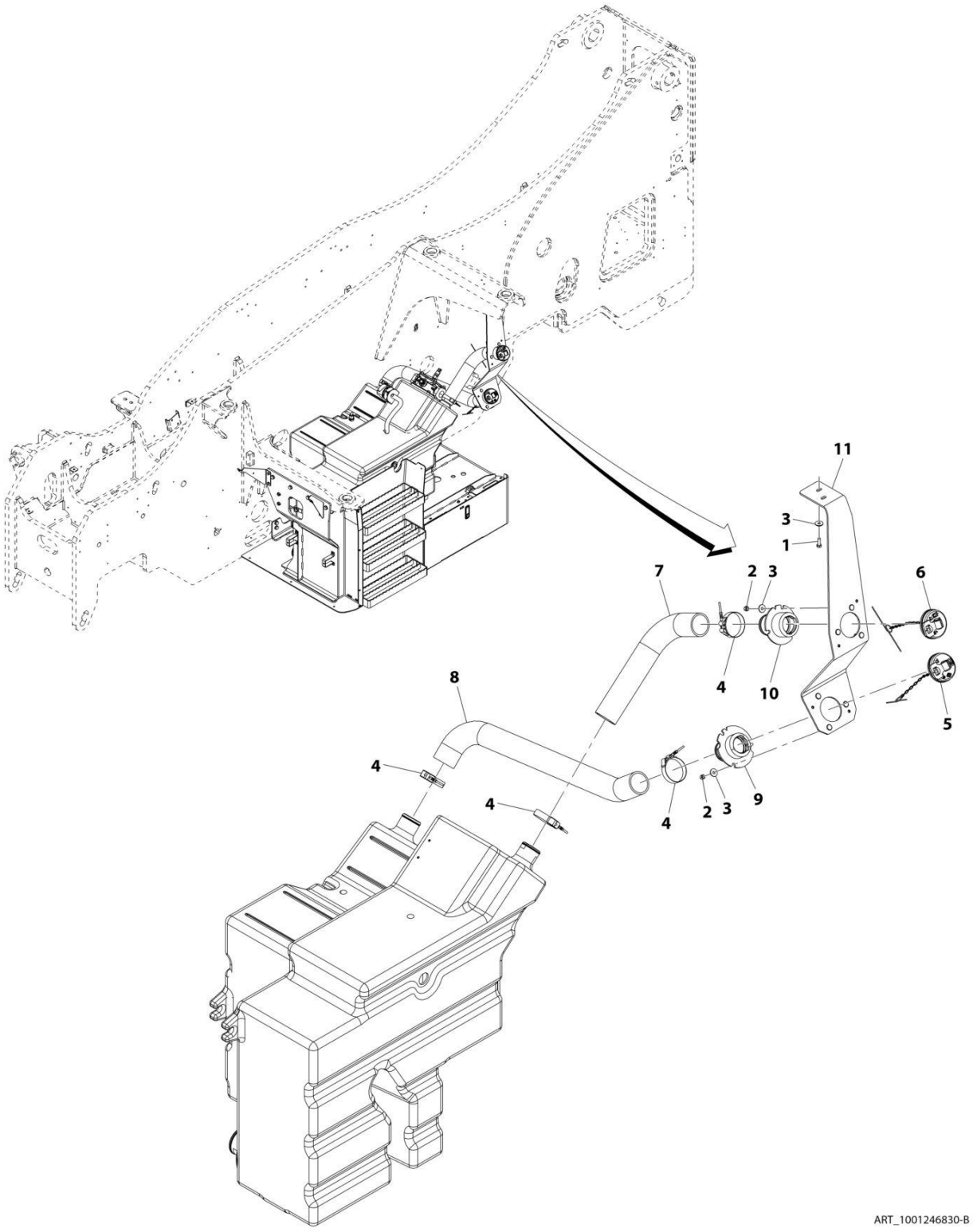
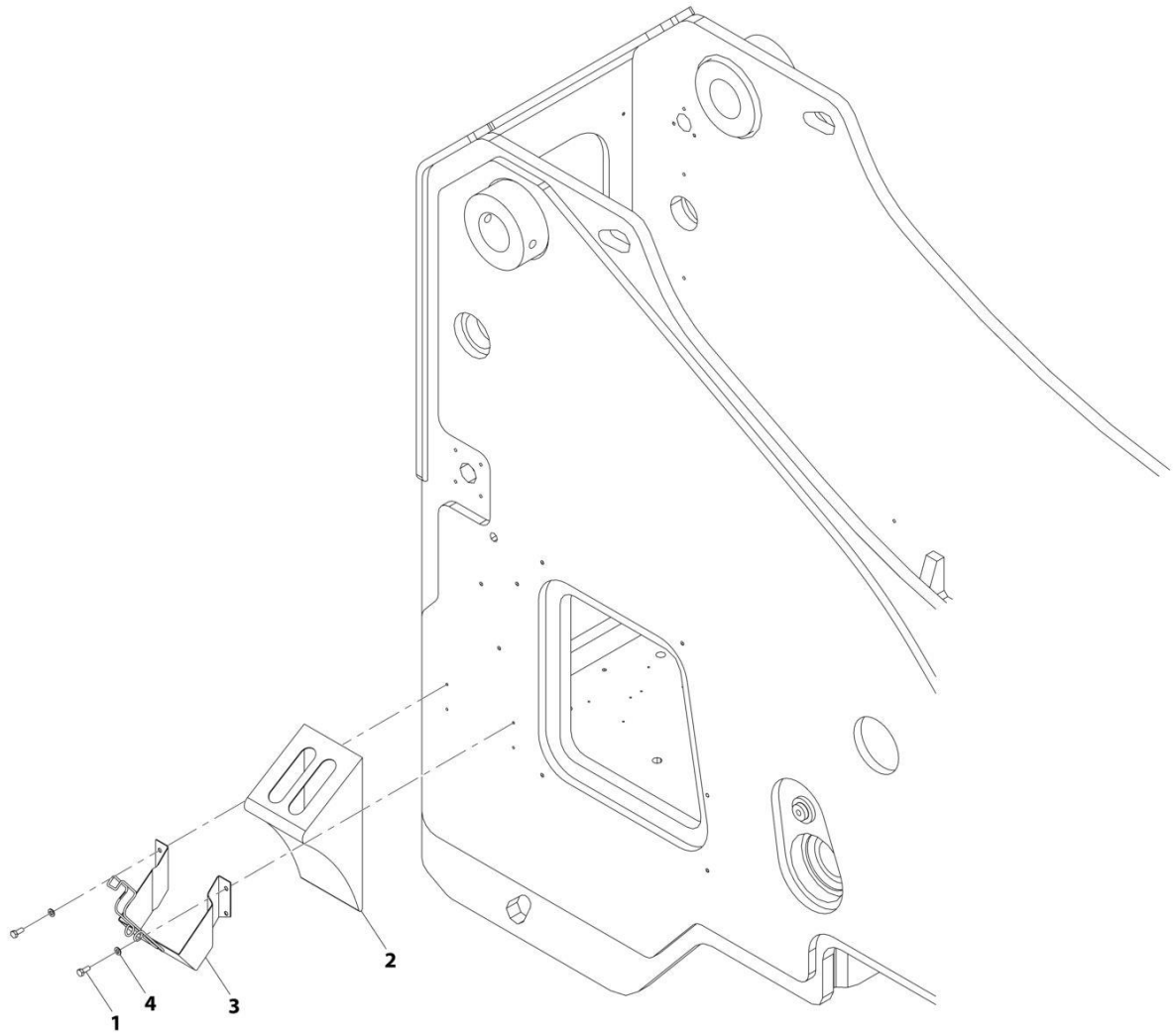


FIGURE 1-13. REMOTE FILL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246830	Ref	Remote Fill Installation	B
1	0700812	2	Bolt, M8X25	
2	3290805	6	Nut, M8X1.25	
3	4811902	8	Washer, M8	
4	1001014233	4	Clamp	
5	1001194980	1	Cap	
6	1001194981	1	Cap, Hydraulic	
7	1001207947	1	Filter, Hose	
8	1001208031	1	Filler, Pipe	
9	1001244443	1	Adapter	
10	1001244459	1	Adapter	
11	1001244517	1	Support, Filler	

FIGURE 1-14. WHEEL CHOCK INSTALLATION

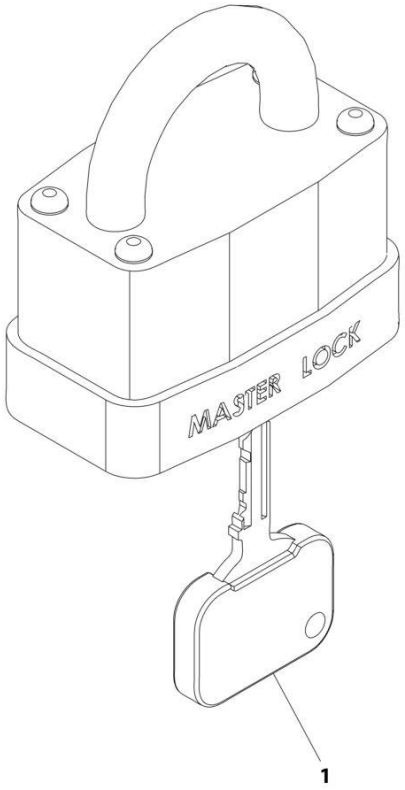


ART_1001207689-B

FIGURE 1-14. WHEEL CHOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207689	Ref	Wheel Chock Installation	B
1	0760810	8	Bolt, M8X20	
2	806253	2	Wedge	
3	806264	2	Holder, Wedge	
4	4811900	8	Washer, M8	

FIGURE 1-15. PAD LOCK



ART_1001102157-A

FIGURE 1-15. PAD LOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001102157	Ref	Pad Lock	A
1	8342813	1	Key	

FIGURE 1-16. OUTRIGGERS INSTALLATION

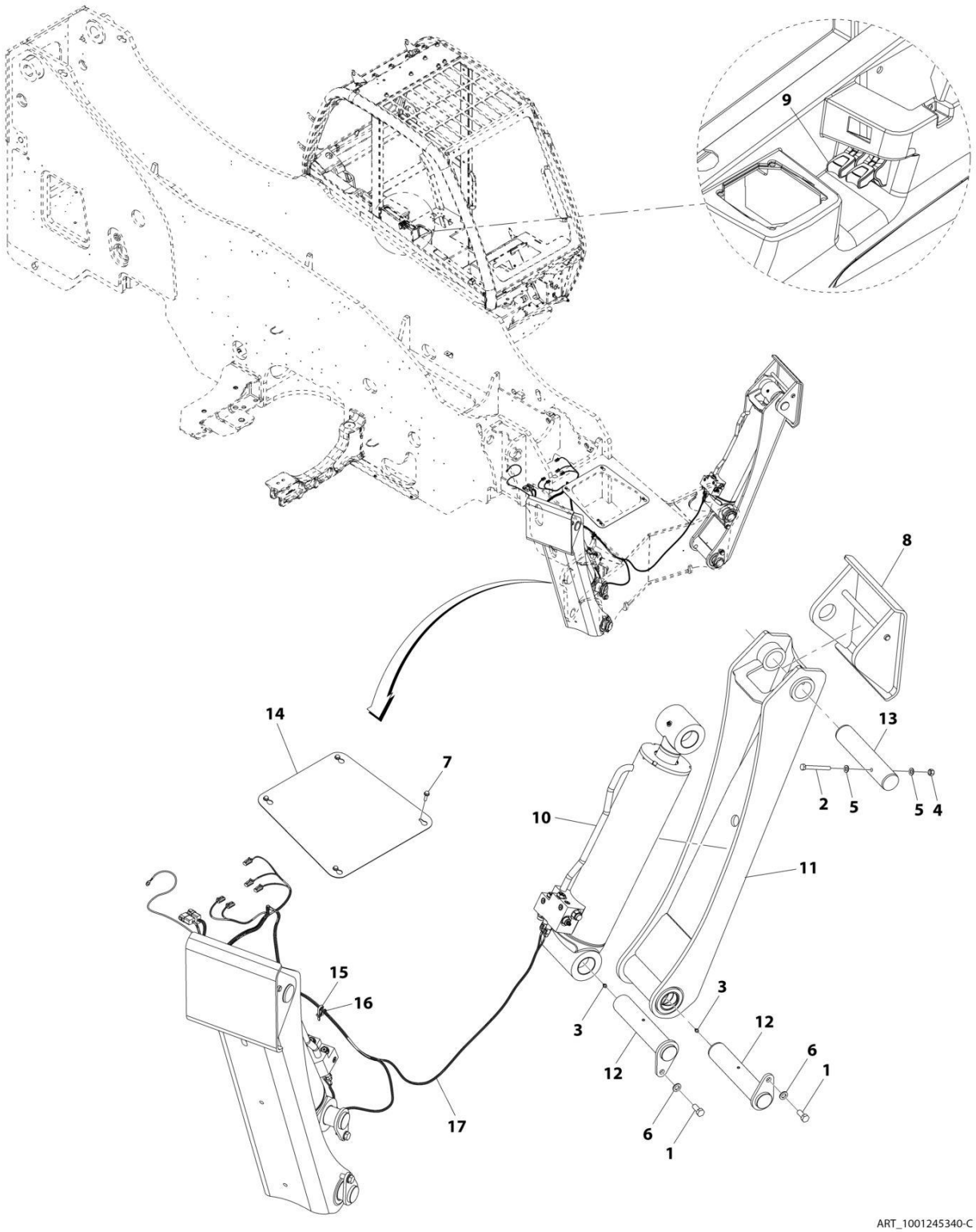


FIGURE 1-16. OUTRIGGERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245340	Ref	Outriggers Installation	C
1	0761615	4	Bolt, M16X35	
2	0711228	2	Bolt, M12X110	
3	2160016	4	Fitting, Grease	
4	3291205	2	Nut M12	
5	4812100	4	Washer, M12	
6	4812300	4	Washer, M16	
7	5250814	4	Bolt, M8X30	
8	1001161564	2	Weldment, Outrigger Pad	
9	1001174478	1	Installation, Outrigger Switches (See Separate Breakdown in ELECTRICAL Section)	
10	1001238827	2	Installation, Outrigger Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
11	1001245341	2	Arm, Stabilizer	
12	1001245348	4	Pin, Outrigger	
13	1001245351	2	Pin, Pad	
14	1001245352	1	Plate, Valve Cover	
15	1001008559	1	Tie-Strap	
16	1001202986	1	Push Mount, Strap	
17	1001239952	1	Harness, Outrigger (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 1-17. BOOM PROP INSTALLATION

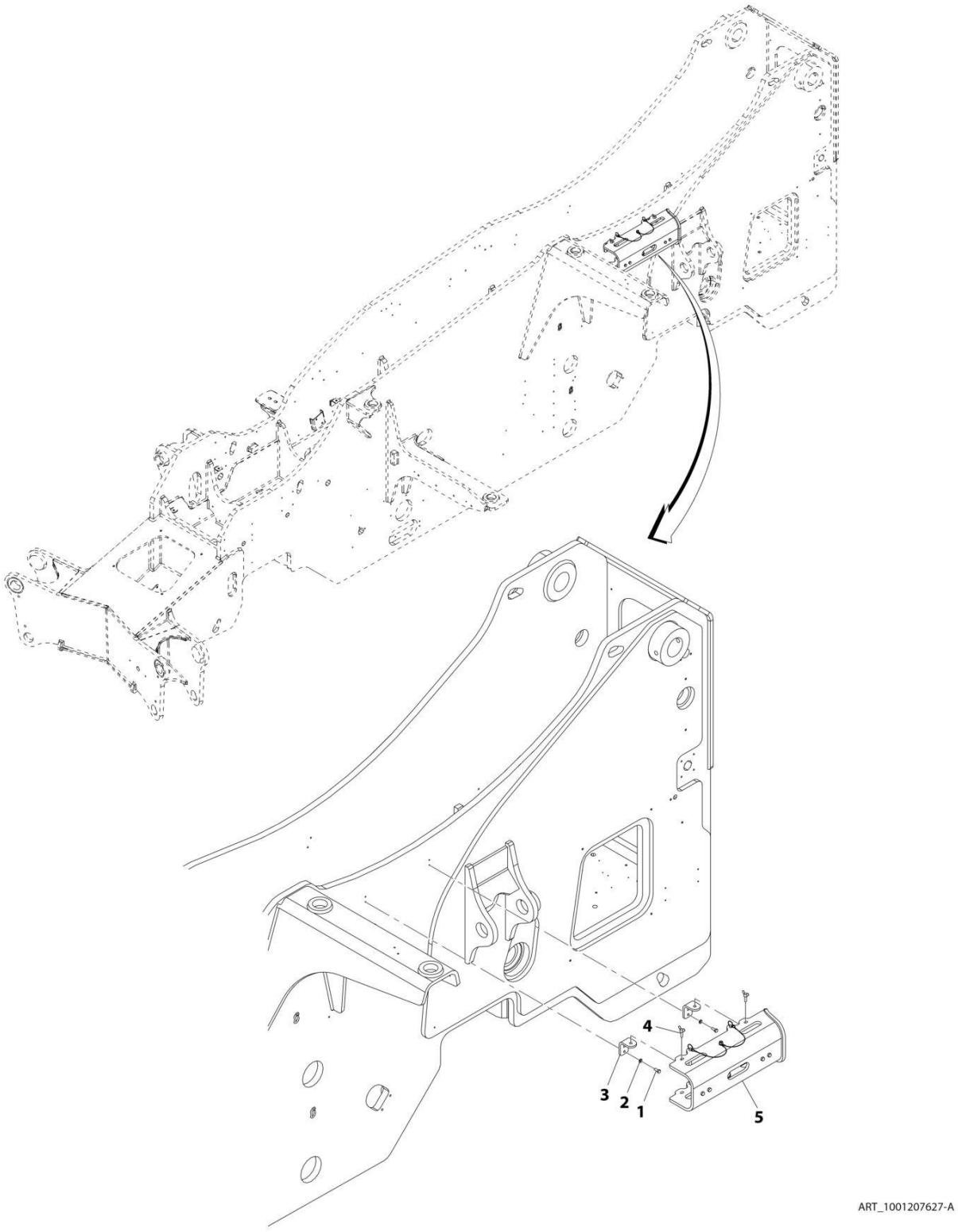


FIGURE 1-17. BOOM PROP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207627	Ref	Boom Prop Installation	A
1	0760810	4	Bolt, M8X20	
2	4811900	4	Washer, M8	
3	1001193887	2	Bracket	
4	1001228860	2	Bolt, Wing M8X30	
5	1001248853	1	Bracket, Boom Prop	

FIGURE 1-18. GROMMETS INSTALLATION

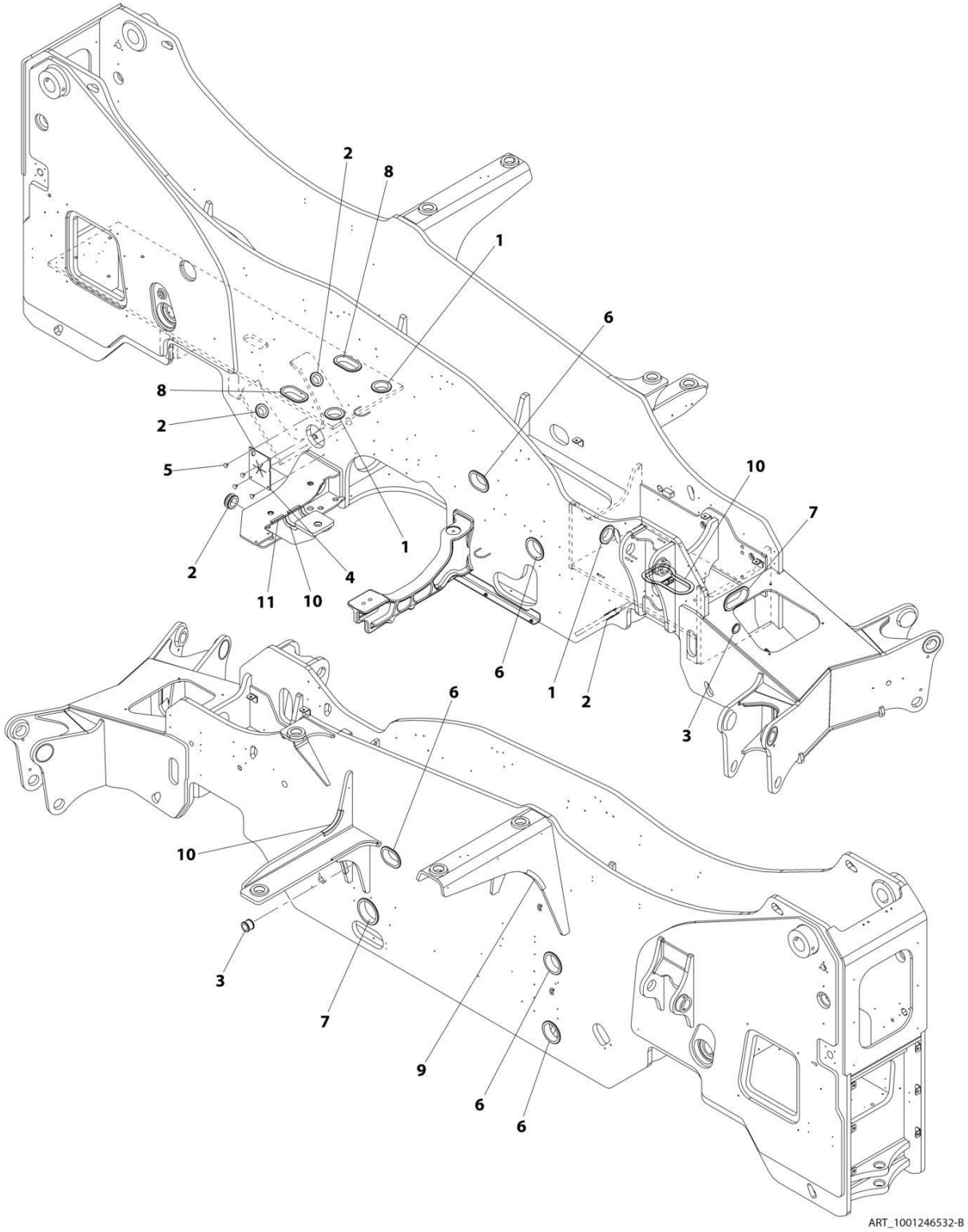


FIGURE 1-18. GROMMETS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246532	Ref	Grommets Installation	B
1	1001028291	3	Grommet	
2	1001028308	5	Grommet, Rubber	
3	1001028400	2	Grommet, Rubber	
4	1001175347	1	Rubber, Grommet Over Frame Hole	
5	1001180306	4	Screw	
6	1001241314	5	Grommet, Rubber	
7	1001241315	2	Grommet, Rubber	
8	1001028377	2	Grommet, Rubber	
9	4060918	181 mm	Trim	
10	4060919	1448 mm	Trim	
11	90206202	180 mm	Trim Lock	

SECTION 2 - BOOM

FIGURE 2-1. BOOM INSTALLATION

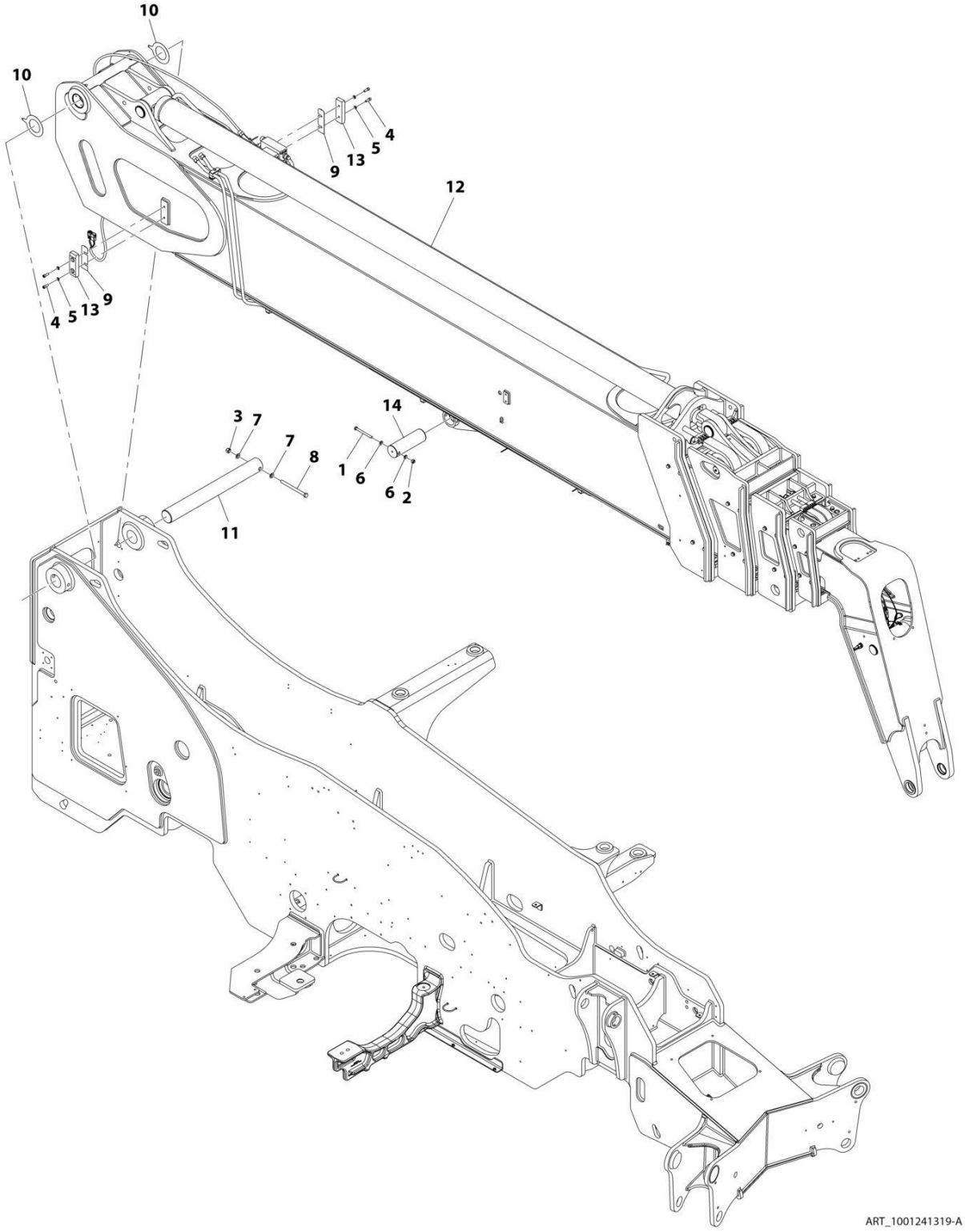
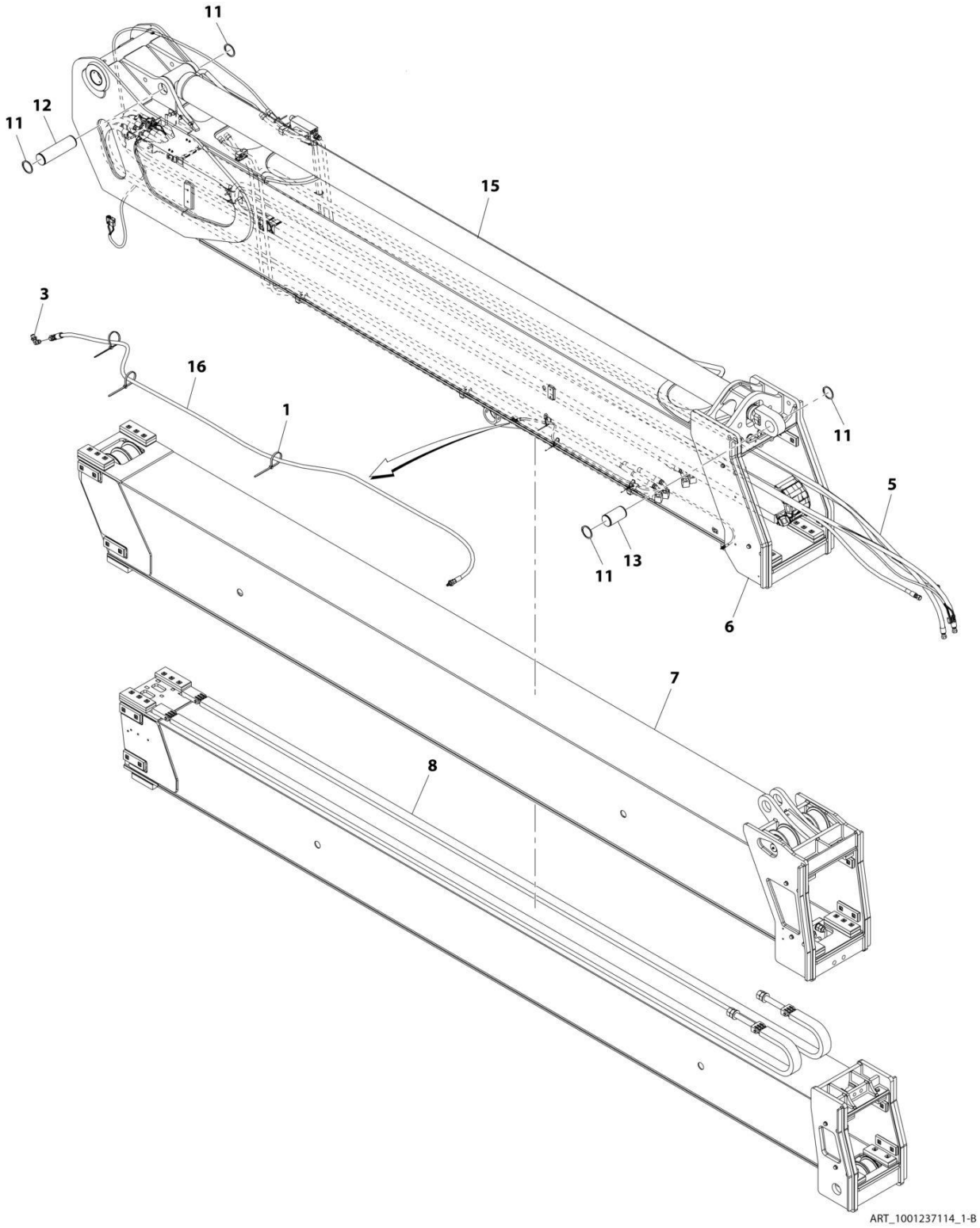


FIGURE 2-1. BOOM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241319	Ref	Boom Installation	A
1	0711230	1	Bolt, M12X130	
2	3291205	1	Nut, Lock M12X1.75	
3	3291605	1	Nut, Lock M16X2	
4	4032010	4	Bolt, M10X30	
5	4812000	4	Washer, M10	
6	4812100	2	Washer, M12	
7	4812300	2	Washer, M16	
8	1001091951	1	Bolt, M16X200	
9	1001219905	AR	Shim	
10	1001219953	AR	Shim, Boom Pivot	
11	1001232801	1	Pin, Boom Pivot	
12	1001237114	1	Boom Assembly (See Separate Breakdown in this Section)	
13	1001239682	2	Pad	
14	1001242105	1	Pin, Lift Cylinder	

FIGURE 2-2. BOOM ASSEMBLY



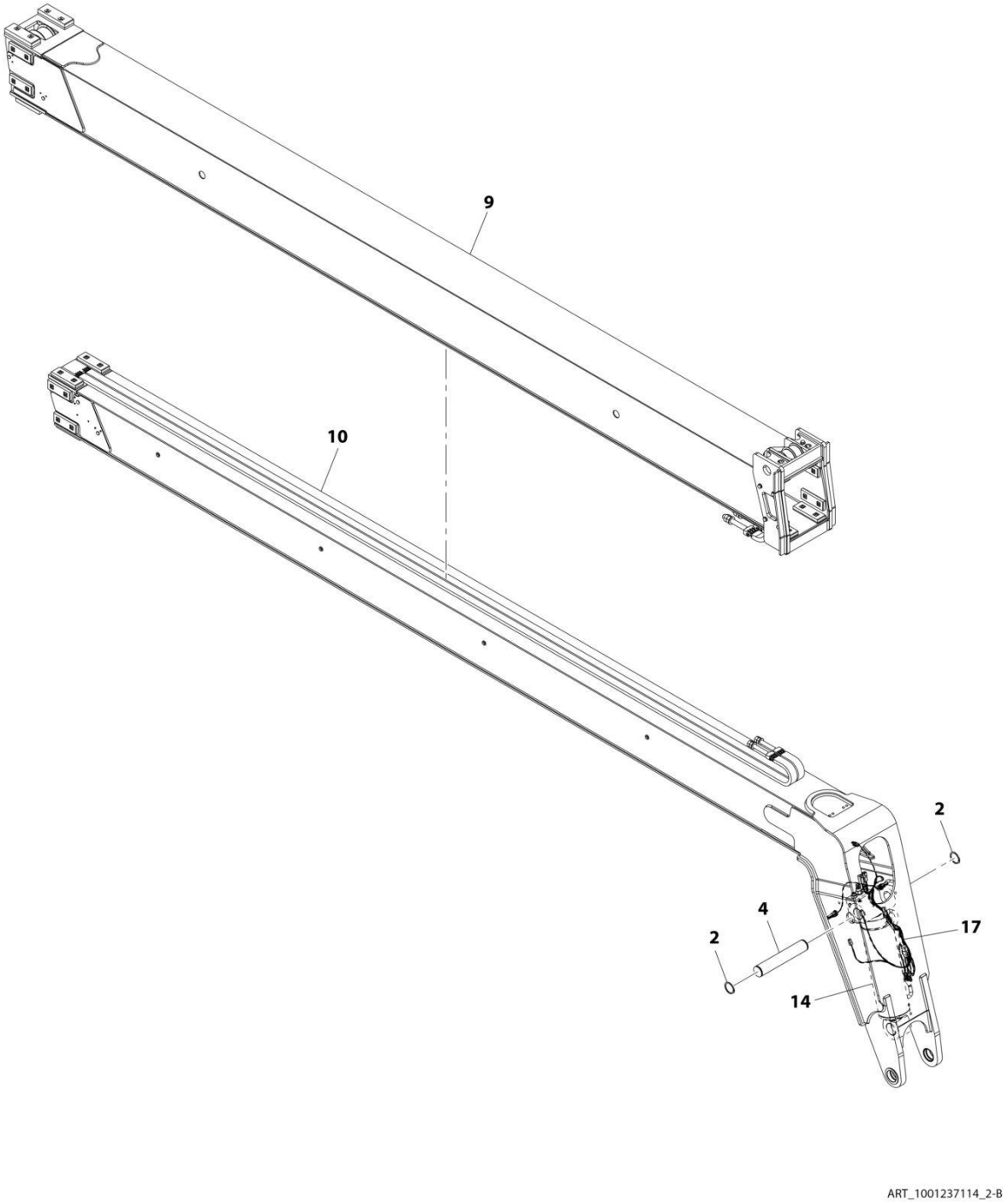

9
10
2
4
17
2
14
ART_1001237114_2-B

FIGURE 2-2. BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237114	Ref	Boom Assembly	B
1	471678	AR	Strap, Tie	
2	3760463	2	Ring, Retaining M60	
3	8770215	1	Elbow, 90	
4	1001173538	1	Pin, Tilt	
5	1001238195	1	Boom Hydraulic Installation, Boom Hydraulic (See Separate Breakdown in Hydraulic Circuits Section)	
6	1001238393	1	Base Boom Section Assembly (See Separate Breakdown in this Section)	
7	1001238394	1	Second Boom Section Assembly (See Separate Breakdown in this Section)	
8	1001238395	1	Third Boom Section Assembly (See Separate Breakdown in this Section)	
9	1001238396	1	Fourth Boom Section Assembly (See Separate Breakdown in this Section)	
10	1001238397	1	Fly Boom Section Assembly (See Separate Breakdown in this Section)	
11	1001238413	4	Ring, Retaining	
12	1001241306	1	Pin	
13	1001241307	1	Pin	
14	1001242677	1	Tilt Cylinder Assembly (See Separate Breakdown in Hydraulic Components Section)	
15	1001242678	1	Extent/Retract Cylinder Assembly (See Separate Breakdown in Hydraulic Components Section)	
16	1001244542	1	Hose	
17	1001244648	1	Platform Harness (See Separate Breakdown in Electrical Section)	

FIGURE 2-3. BASE BOOM SECTION ASSEMBLY

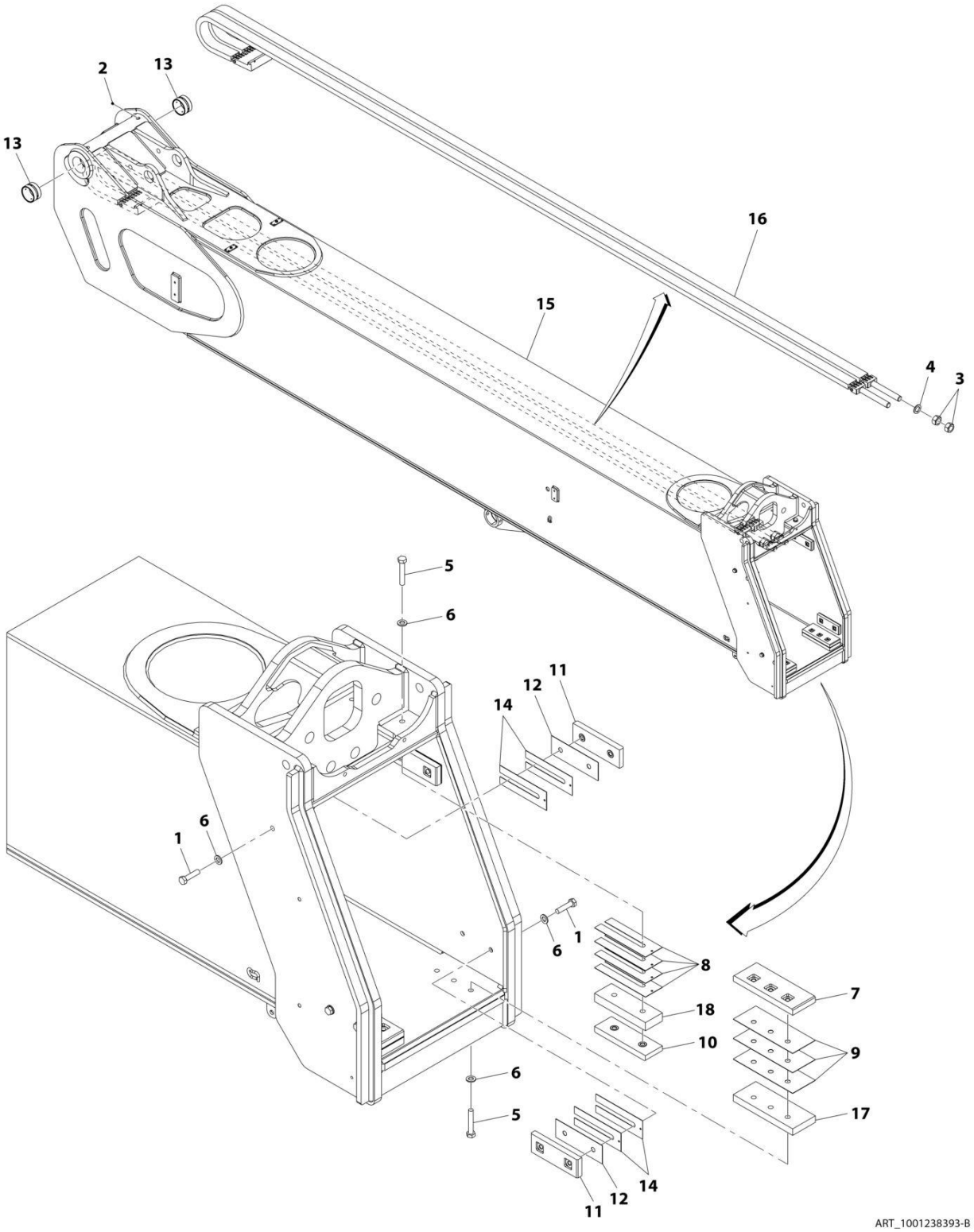


FIGURE 2-3. BASE BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238393	Ref	Base Boom Section Assembly	B
1	0711218	8	Bolt, M12X50	
2	2160016	2	Fitting, Grease	
3	3333011	4	Nut, M30	
4	1001097412	2	Washer	
5	1001098828	10	Bolt, M12-1.75X70	
6	1001125117	AR	Washer, M12	
7	1001162469	2	Pad, Wear	
8	1001163103	AR	Shim	
9	1001163112	6	Spacer	
10	1001165171	2	Pad, Wear	
11	1001165172	4	Pad, Wear	
12	1001165367	4	Spacer	
13	1001196235	2	Bearing	
14	1001200989	AR	Shim	
15	1001237246	1	Boom, Base Weld	
16	1001237387	1	Installation, Retract Chain (See Separate Breakdown in this Section)	
17	1001243451	2	Spacer	
18	1001244539	2	Block, Wear Pad	

FIGURE 2-4. SECOND BOOM SECTION ASSEMBLY

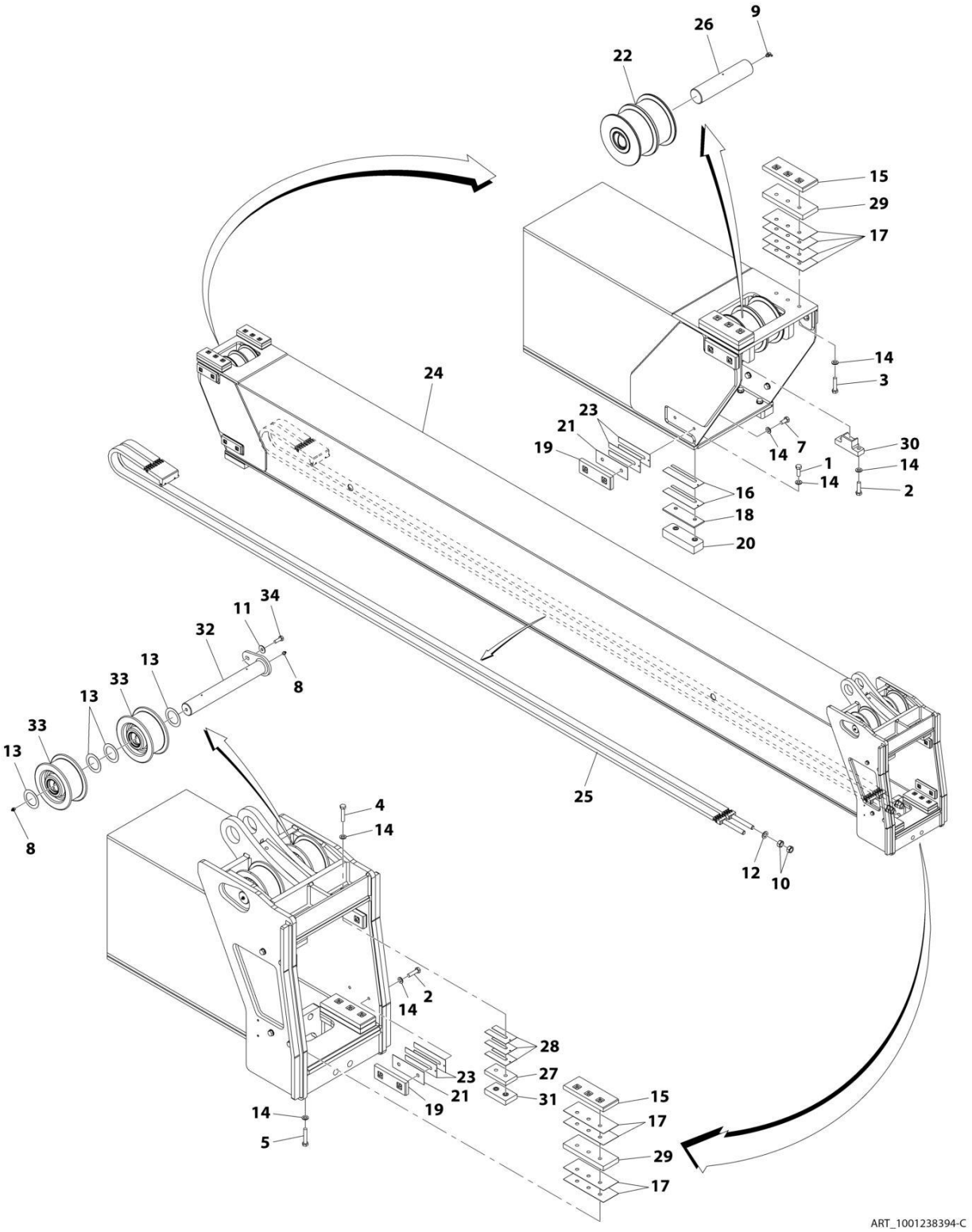


FIGURE 2-4. SECOND BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238394	Ref	Second Boom Section Assembly	C
1	0711215	4	Bolt, M12X35	
2	0711217	10	Bolt, M12X45	
3	0711219	6	Bolt, M12X55	
4	0711220	4	Bolt, M12X55	
5	0711221	6	Bolt, M12X65	
7	0771212	8	Bolt, M12X25	
8	2160016	2	Fitting, Grease	
9	8520003	1	Fitting, 90 Lube	
10	3332411	4	Nut, M24	
11	4812002	1	Washer, M10	
12	4812700	2	Washer, M24	
13	91041596	AR	Washer	
14	1001125117	AR	Washer, M12	
15	1001162469	4	Pad, Wear	
16	1001163104	AR	Shim	
17	1001163112	16	Spacer	
18	1001163114	2	Spacer	
19	1001165172	8	Pad, Wear	
20	1001165175	2	Pad, Wear	
21	1001165367	8	Spacer	
22	1001167027	1	Roller, Extend Chain	
23	1001200989	AR	Shim	
24	1001237247	1	Boom, Second Weld	
25	1001237389	1	Installation, Retract Chain (See Separate Breakdown in this Section)	
26	1001237678	1	Pin	
27	1001242579	2	Block, Wear Pad	
28	1001242580	AR	Shim	
29	1001243451	4	Spacer	
30	1001243467	1	Plate, Pin Locking	
31	1001243480	2	Pad, Wear	
32	1001245094	1	Pin, Extend Pulley	
33	91565005	2	Roller, Extend Chain	
33	91563025	2	Bushing (1 Per Assembly)	
33	91403119	4	Seall (2 Per Assembly)	
34	0711014	1	Bolt, M10X30	

FIGURE 2-5. THIRD BOOM SECTION ASSEMBLY

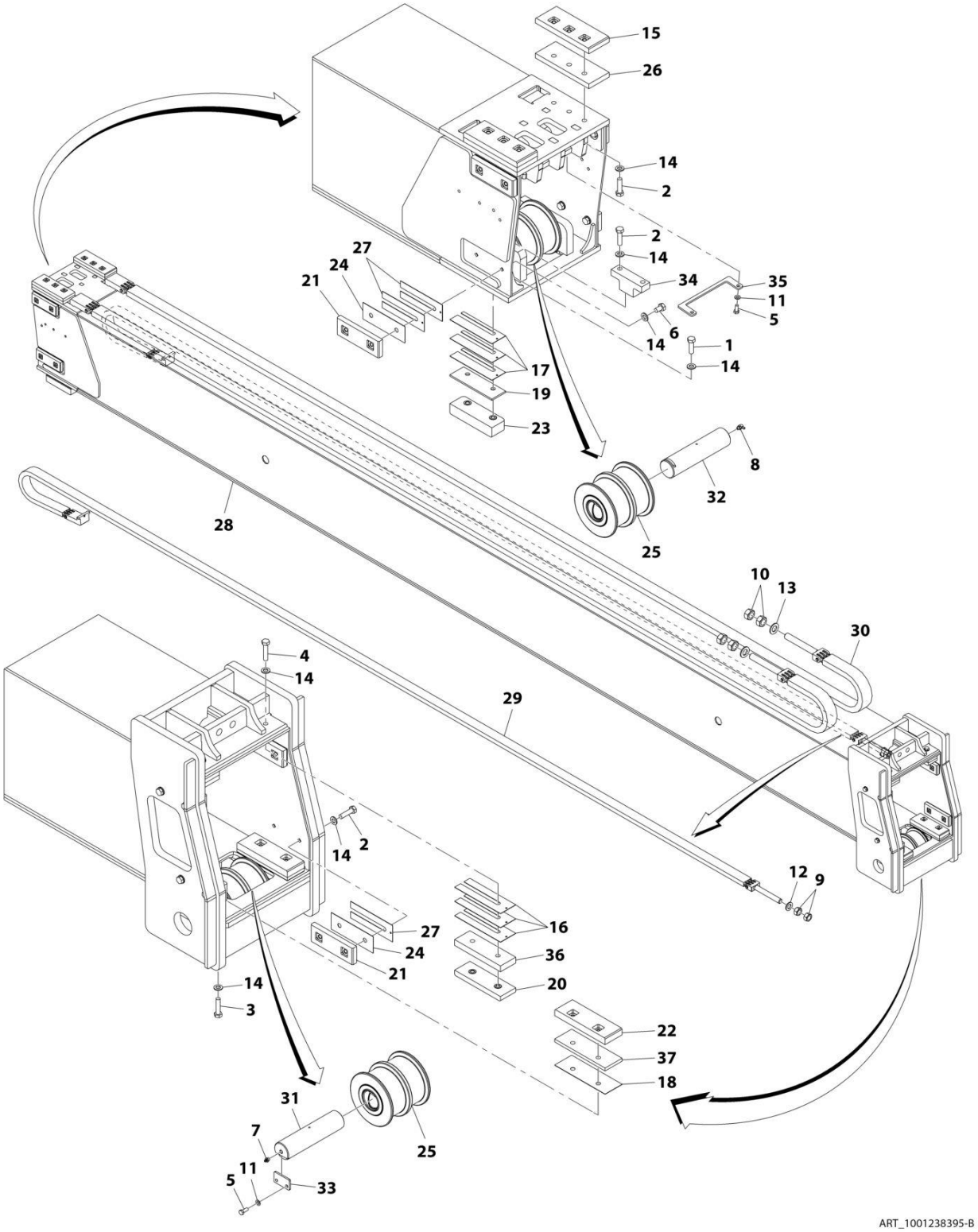


FIGURE 2-5. THIRD BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238395	Ref	Third Section Boom Assembly	B
1	0711216	4	Bolt, M12X40	
2	0711217	16	Bolt, M12X45	
3	0711218	4	Bolt, M12X50	
4	0711219	4	Bolt, M12X55	
5	0760810	4	Bolt, M8X20	
6	0771210	8	Bolt, M12X20	
7	2160016	1	Fitting, Grease	
8	8520003	1	Fitting, 90 Lube	
9	3332411	2	Nut, M24	
10	3333011	4	Nut, M30	
11	4811900	4	Washer, M8	
12	4812700	1	Washer, M24	
13	4812900	2	Washer, M30	
14	1001125117	AR	Washer, M12	
15	1001162469	2	Pad, Wear	
16	1001163103	AR	Shim	
17	1001163104	AR	Shim	
18	1001163108	2	Spacer	
19	1001163114	2	Spacer	
20	1001165171	2	Pad, Wear	
21	1001165172	8	Pad, Wear	
22	1001165173	2	Pad, Wear	
23	1001165175	2	Pad, Wear	
24	1001165367	8	Spacer	
25	1001168286	2	Roller, Extend Chain	
26	1001189714	2	Spacer	
27	1001200989	AR	Shim	
28	1001237248	1	Weldment, Third Boom Section	
29	1001237391	1	Installation, Retract Chain (See Separate Breakdown in this Section)	
30	1001237393	2	Installation, Extend Chain (See Separate Breakdown in this Section)	
31	1001237679	1	Pin	
32	1001237680	1	Pin	
33	1001241902	1	Plate, Pin Retainer	
34	1001243467	1	Plate, Pin Locking	
35	1001243468	1	Plate, Clevis	
36	1001243469	2	Spacer	
37	1001243470	2	Spacer	

FIGURE 2-6. FOURTH BOOM SECTION ASSEMBLY

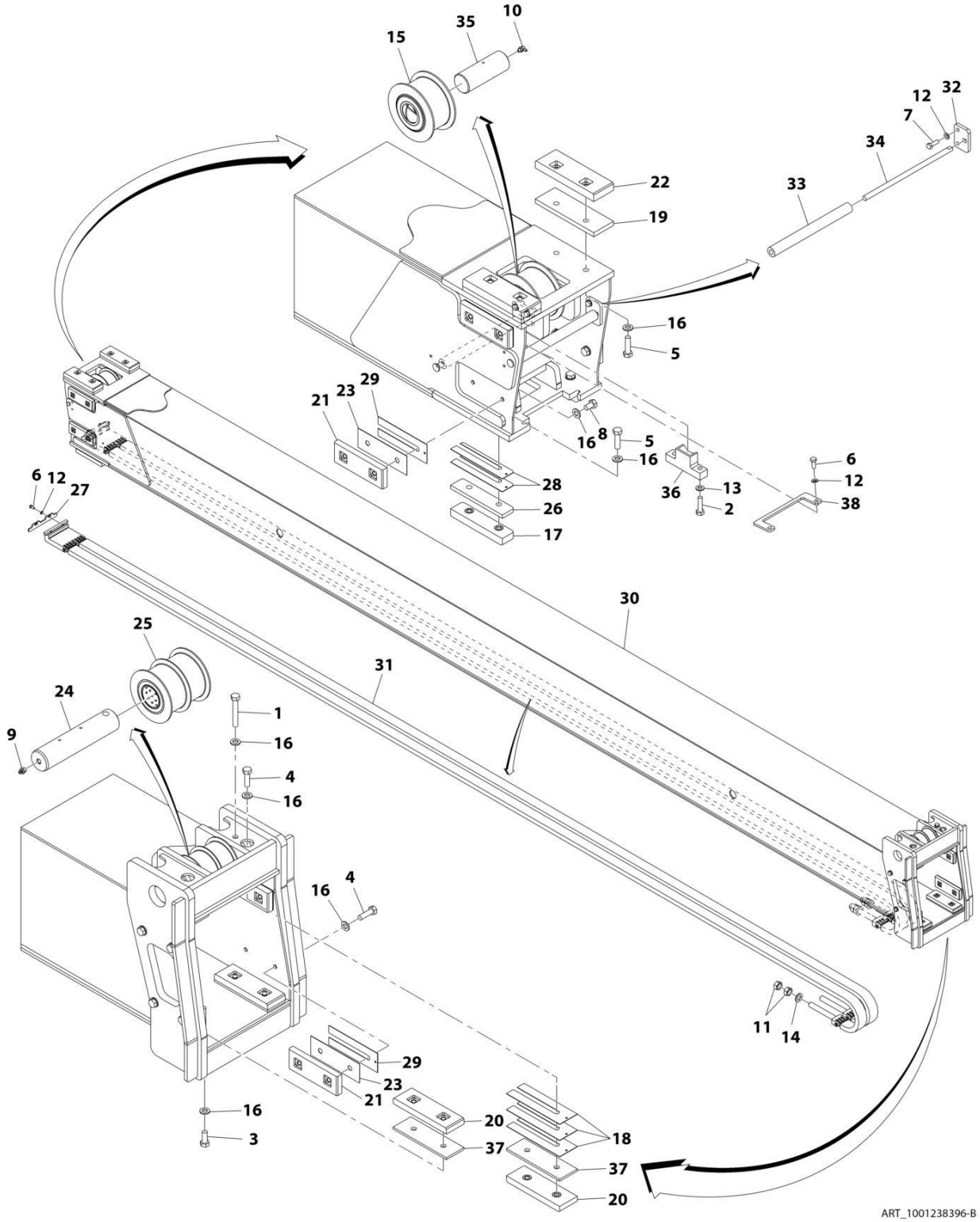


FIGURE 2-6. FOURTH BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238396	Ref	Fourth Boom Section Assembly	B
1	0701224	1	Bolt, M12X80	
2	0711016	2	Bolt, M10X40	
3	0711214	4	Bolt, M12X30	
4	0711216	12	Bolt, M12X40	
5	0711217	8	Bolt, M12X45	
6	0760810	4	Bolt, M8X20	
7	0760812	4	Bolt, M8X25	
8	0771210	8	Bolt, M12X20	
9	2160016	1	Fitting, Grease	
10	8520003	1	Fitting, 90 Lube	
11	3332411	4	Nut, M24	
12	4811900	8	Washer, M8	
13	4812000	2	Washer, M10	
14	4812700	2	Washer, M24	
15	1001101867	1	Assembly, Chain Sheave	
15	7117502	2	Bushing	
16	1001125117	AR	Washer, M12	
17	1001163029	2	Pad, Wear	
18	1001163103	AR	Shim	
19	1001163209	2	Spacer	
20	1001165171	4	Pad, Wear	
21	1001165172	8	Pad, Wear	
22	1001165173	2	Pad, Wear	
23	1001165367	8	Spacer	
24	1001167493	1	Pin	
25	1001168567	1	Roller, Extend Chain	
25	0440296	2	Bearing	
26	1001168589	2	Plate, Stop	
27	1001171001	1	Plate, Clevis	
28	1001189793	AR	Shim	
29	1001200989	AR	Shim	
30	1001237249	1	Weldment, Fourth Boom Section	
31	1001237395	1	Installation, Extend Chain (See Separate Breakdown in this Section)	
32	1001237444	2	Plate	
33	1001237445	2	Roller	
34	1001237447	2	Pin	
35	1001237681	1	Pin	
36	1001243472	1	Plate, Pin Locking	
37	1001243474	4	Spacer	
38	1001243475	1	Plate, Clevis	

FIGURE 2-7. FLY BOOM SECTION ASSEMBLY

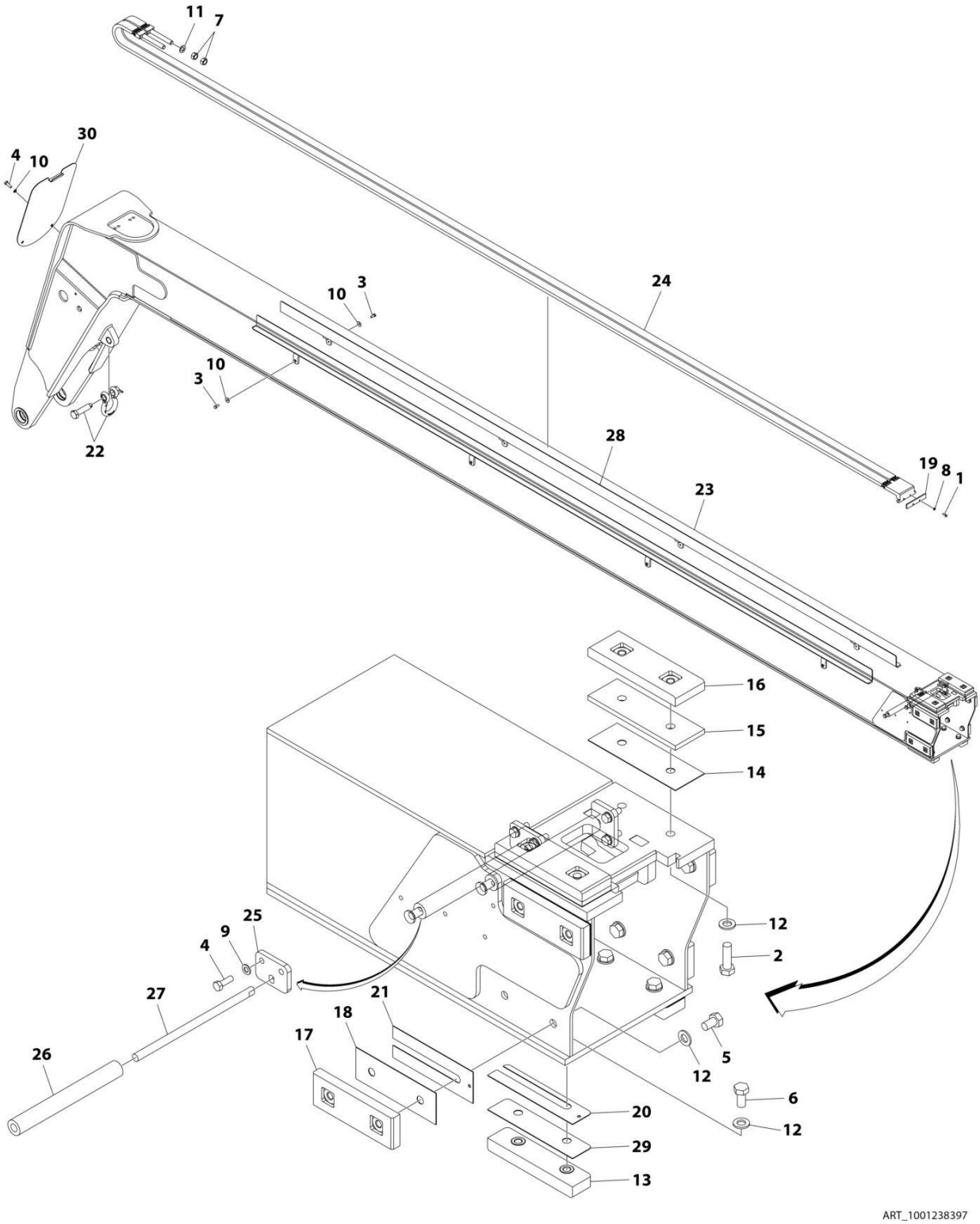


FIGURE 2-7. FLY BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238397	Ref	FLY BOOM SECTION ASSEMBLY	C
1	0700610	2	Bolt M6 x 20	
2	0711216	4	Bolt M12 x 40	
3	0760810	8	Bolt M8 x 20	
4	0760812	6	Bolt M8 x 25	
5	0771210	8	Bolt M12 x 20	
6	0771212	4	Bolt M12 x 25	
7	3332011	4	Nut M20 x 2.5	
8	4811700	2	Washer M6	
9	4811900	4	Washer M8	
10	4811902	10	Washer M8	
11	4812500	2	Washer M20	
12	1001125117	AR	Washer M12	
13	1001163029	2	Pad, Wear	
14	1001163034	2	Spacer	
15	1001163105	2	Spacer	
16	1001165171	2	Pad, Wear	
17	1001165172	4	Pad, Wear	
18	1001165367	4	Spacer	
19	1001171450	1	Plate, Clevis	
20	1001189793	AR	Shim	
21	1001200989	AR	Shim	
22	1001204045	1	Clevis	
23	1001237250	1	Weldment, Fly Boom Section	
24	1001237397	1	Installation, Extend Chain (See Separate Breakdown in this Section)	
25	1001237444	2	Plate	
26	1001237446	2	Roller	
27	1001237448	2	Pin	
28	1001237487	2	Bracket	
29	1001244651	2	Spacer	
30	1001174628	1	Plate	

FIGURE 2-8. RETRACT CHAIN INSTALLATION

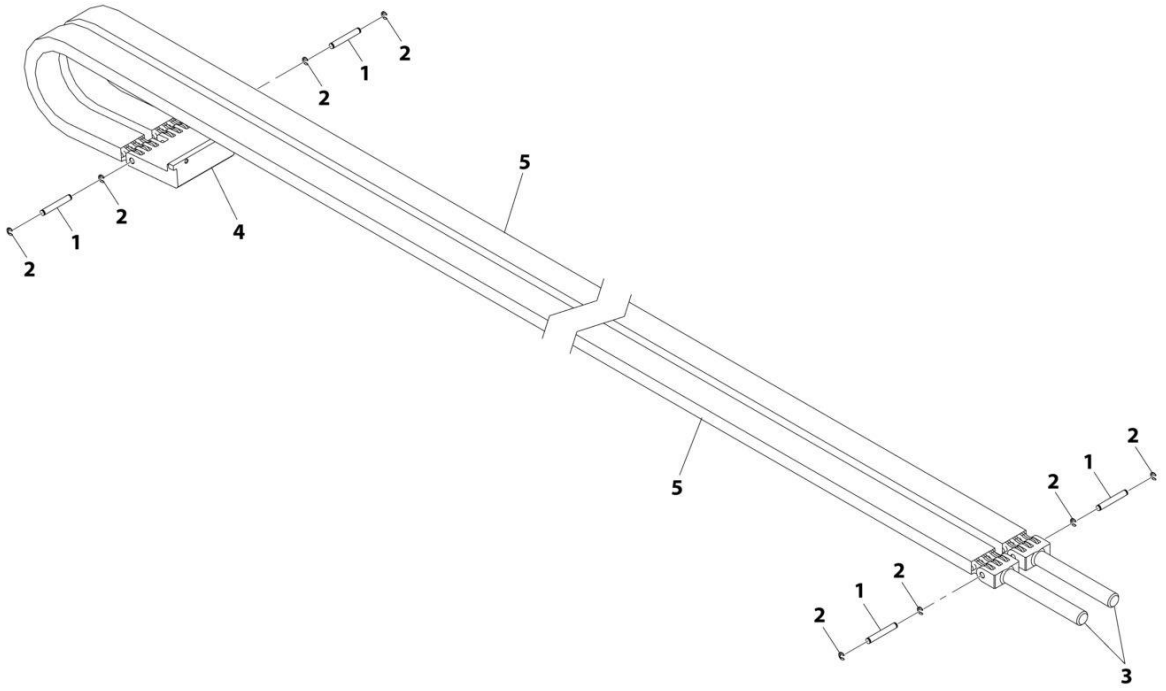


FIGURE 2-8. RETRACT CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237387	Ref	Retract Chain Installation	A
1	1001163842	4	Pin, Clevis	
2	1001164039	8	Ring, External M8	
3	1001165486	2	Clevis, Chain	
4	1001165487	1	Clevis, Chain	
5	1001237394	2	Chain, Extend	

FIGURE 2-9. RETRACT CHAIN INSTALLATION

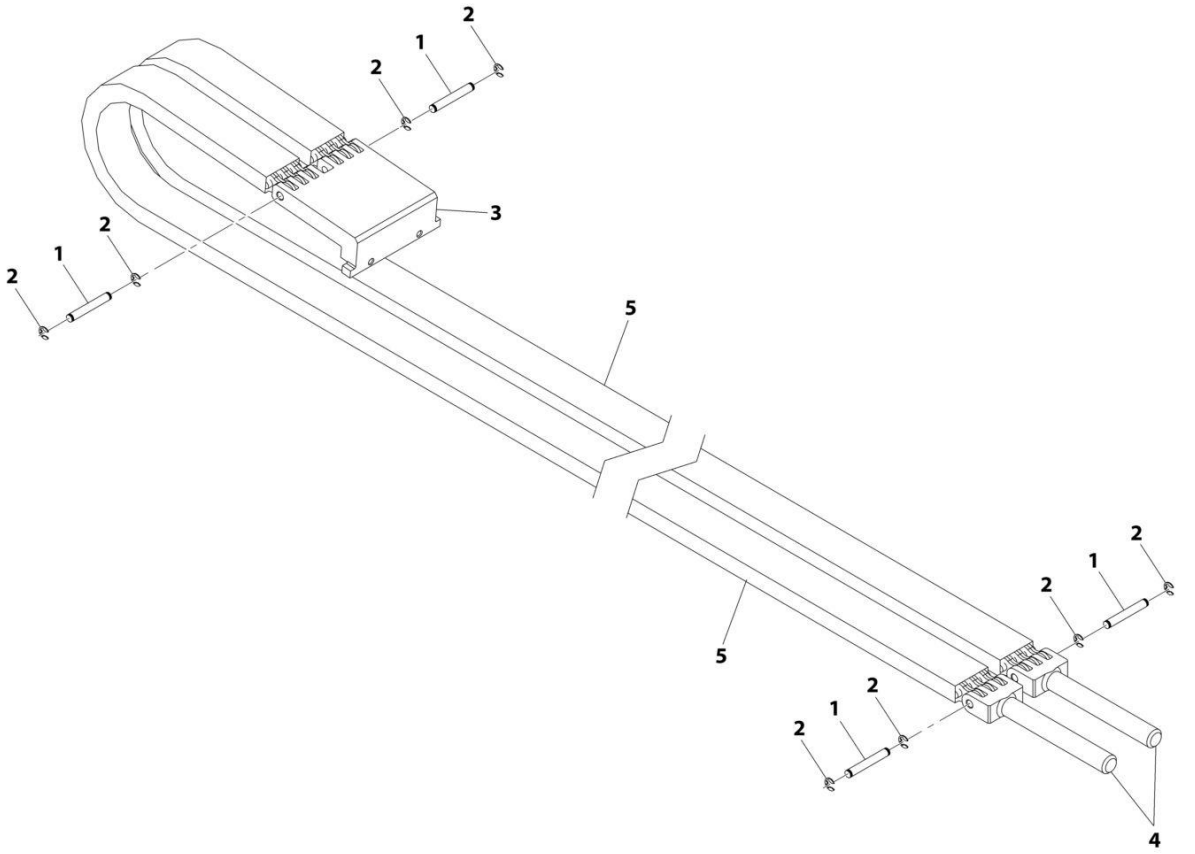


FIGURE 2-9. RETRACT CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237389	Ref	Retract Chain Installation	A
1	1001163841	4	Pin, Clevis	
2	1001164039	8	Ring, External M8	
3	1001165483	1	Clevis, Chain	
4	1001165590	2	Clevis, Chain	
5	1001237390	2	Chain, Retract	

FIGURE 2-10. RETRACT CHAIN INSTALLATION

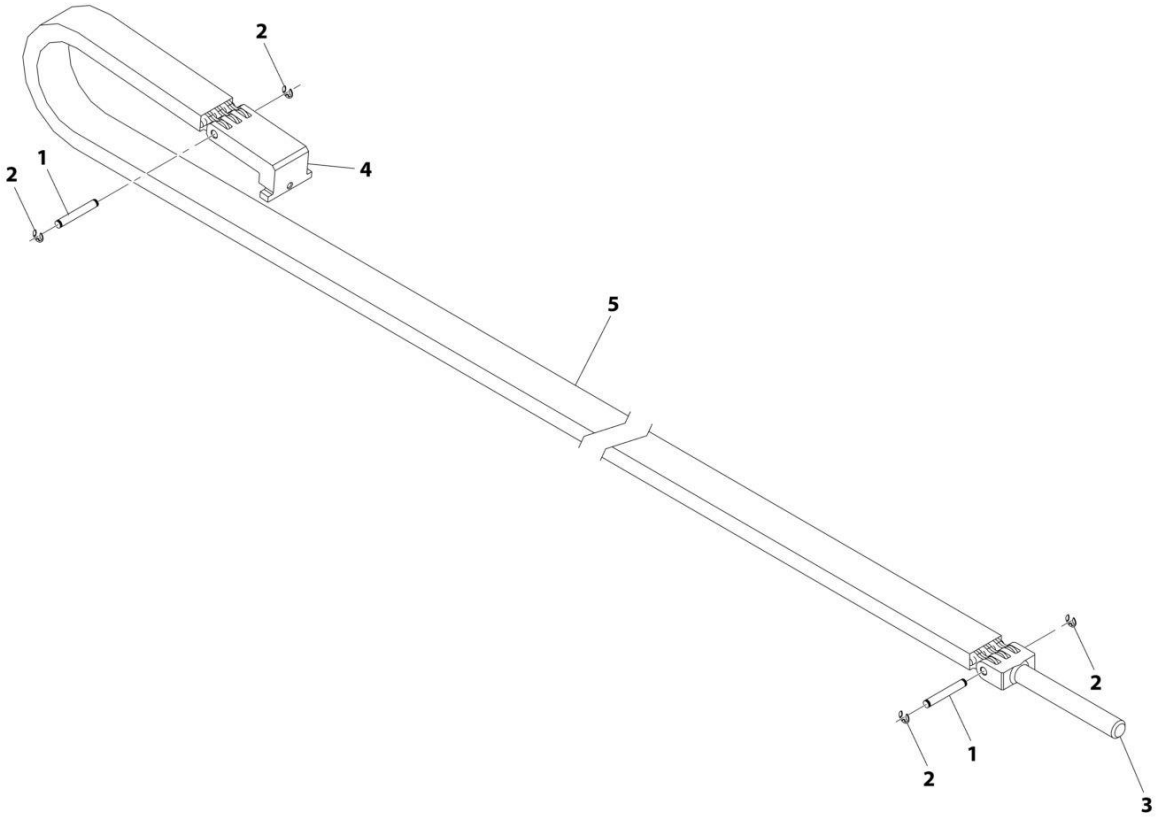
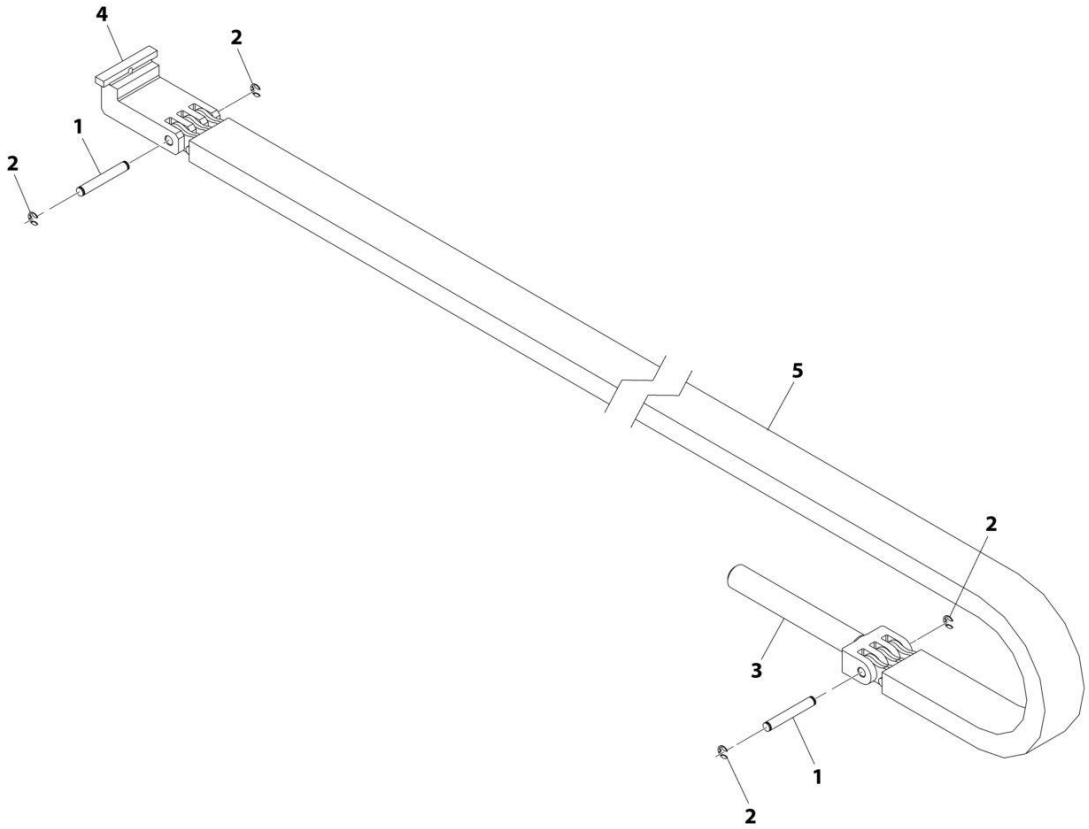


FIGURE 2-10. RETRACT CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237391	Ref	Retract Chain Installation	A
1	1001163841	2	Pin, Clevis	
2	1001164039	4	Ring, External M8	
3	1001165590	1	Clevis, Chain	
4	1001165739	1	Clevis, Chain	
5	1001237392	1	Chain, Retract	

FIGURE 2-11. EXTEND CHAIN INSTALLATION



ART_1001237393-A

FIGURE 2-11. EXTEND CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237393	Ref	Extend Chain Installation	A
1	1001163842	2	Pin, Clevis	
2	1001164039	4	Ring, External M8	
3	1001165486	1	Clevis, Chain	
4	1001165493	1	Clevis, Chain	
5	1001237394	1	Chain, Extend	

FIGURE 2-12. EXTEND CHAIN INSTALLATION

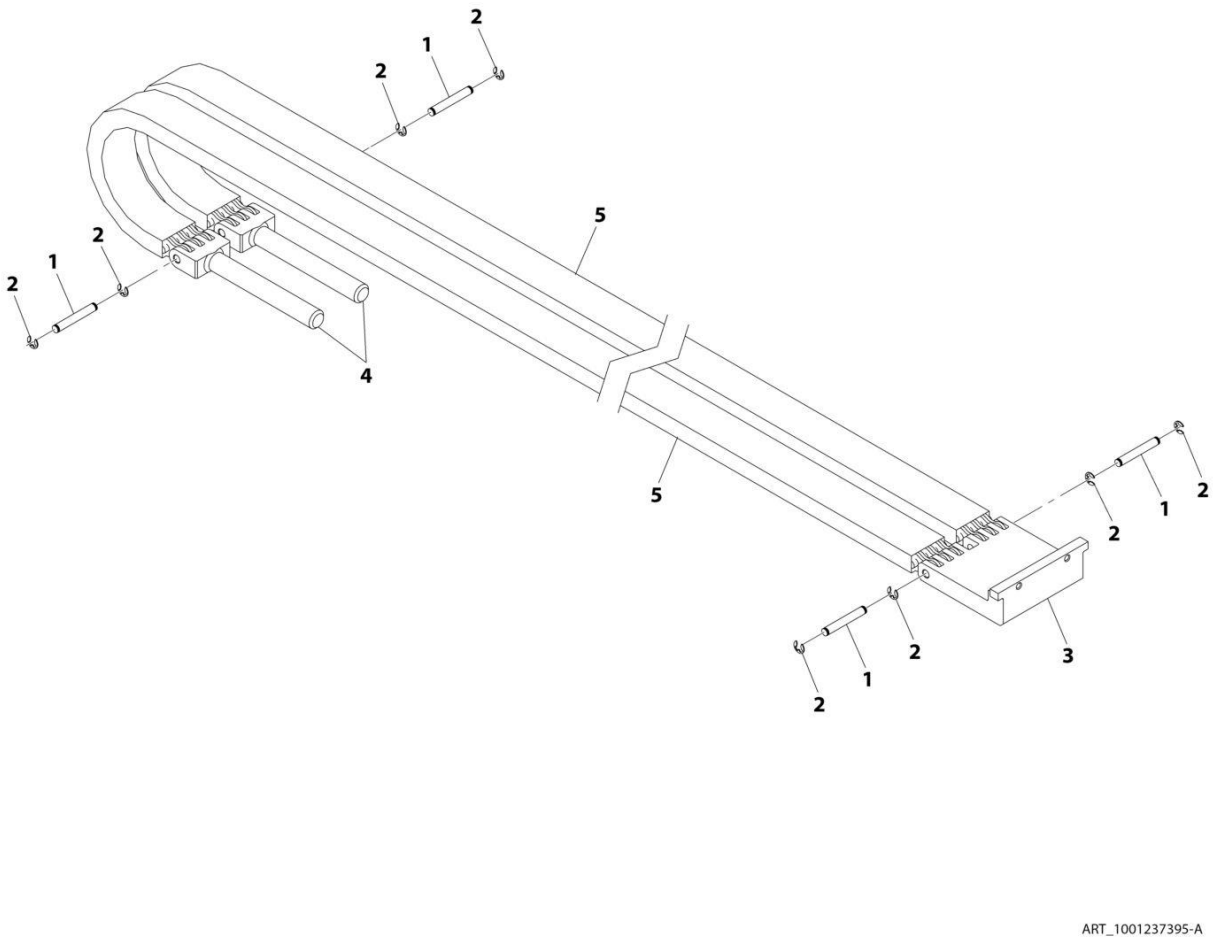


FIGURE 2-12. EXTEND CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237395	Ref	Extend Chain Installation	A
1	1001163841	4	Pin, Clevis	
2	1001164039	8	Ring, External M8	
3	1001165483	1	Clevis, Chain	
4	1001165590	2	Clevis, Chain	
5	1001237396	2	Chain, Extend	

FIGURE 2-13. EXTEND CHAIN INSTALLATION

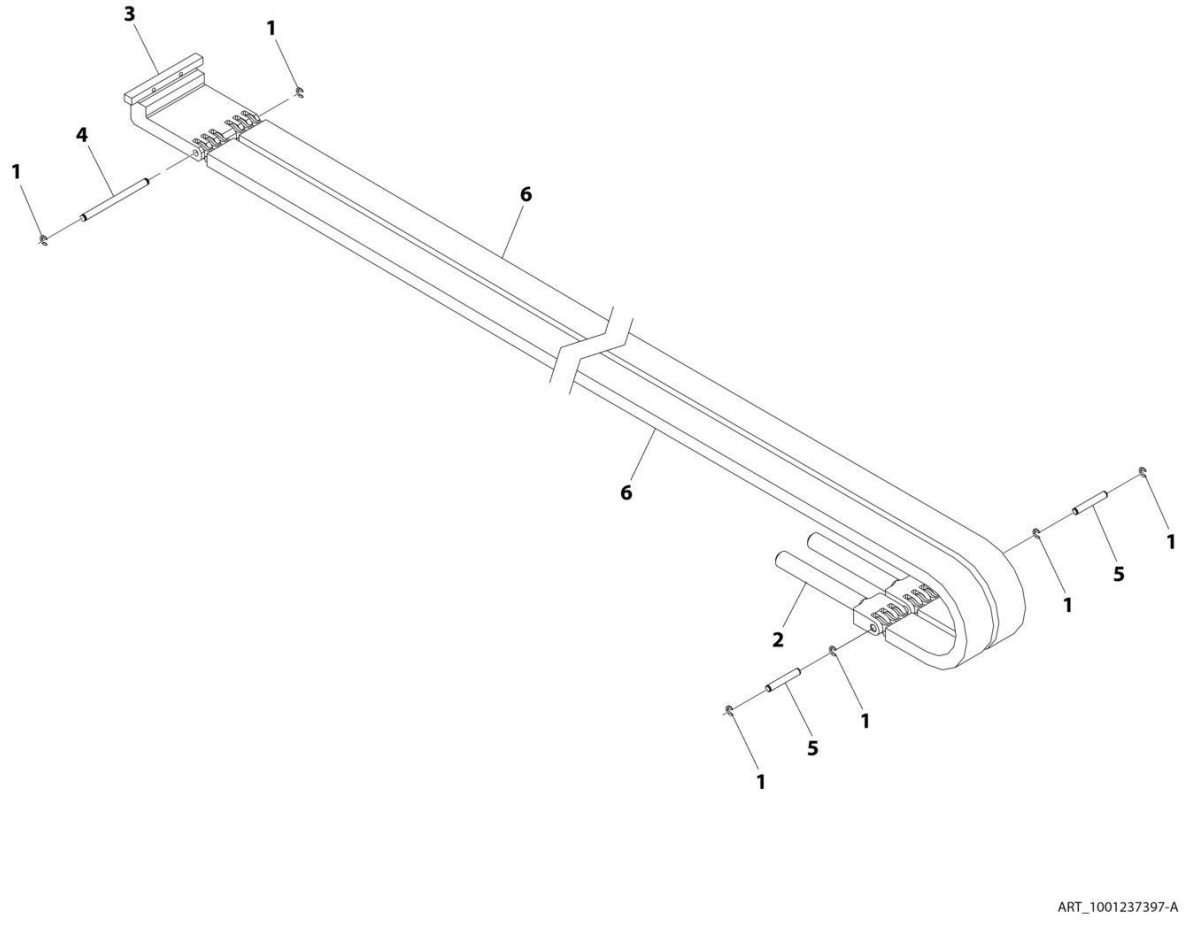


FIGURE 2-13. EXTEND CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237397	Ref	Extend Chain Installation	A
1	1001166163	6	Ring, External M6	
2	1001166235	2	Clevis, Chain	
3	1001169373	1	Clevis, Dual	
4	1001169379	1	Pin, Clevis	
5	1001187785	2	Pin, Clevis	
6	1001237398	2	Chain, Extend	

FIGURE 2-14. ATTACH COUPLER INSTALLATION (MANUAL)

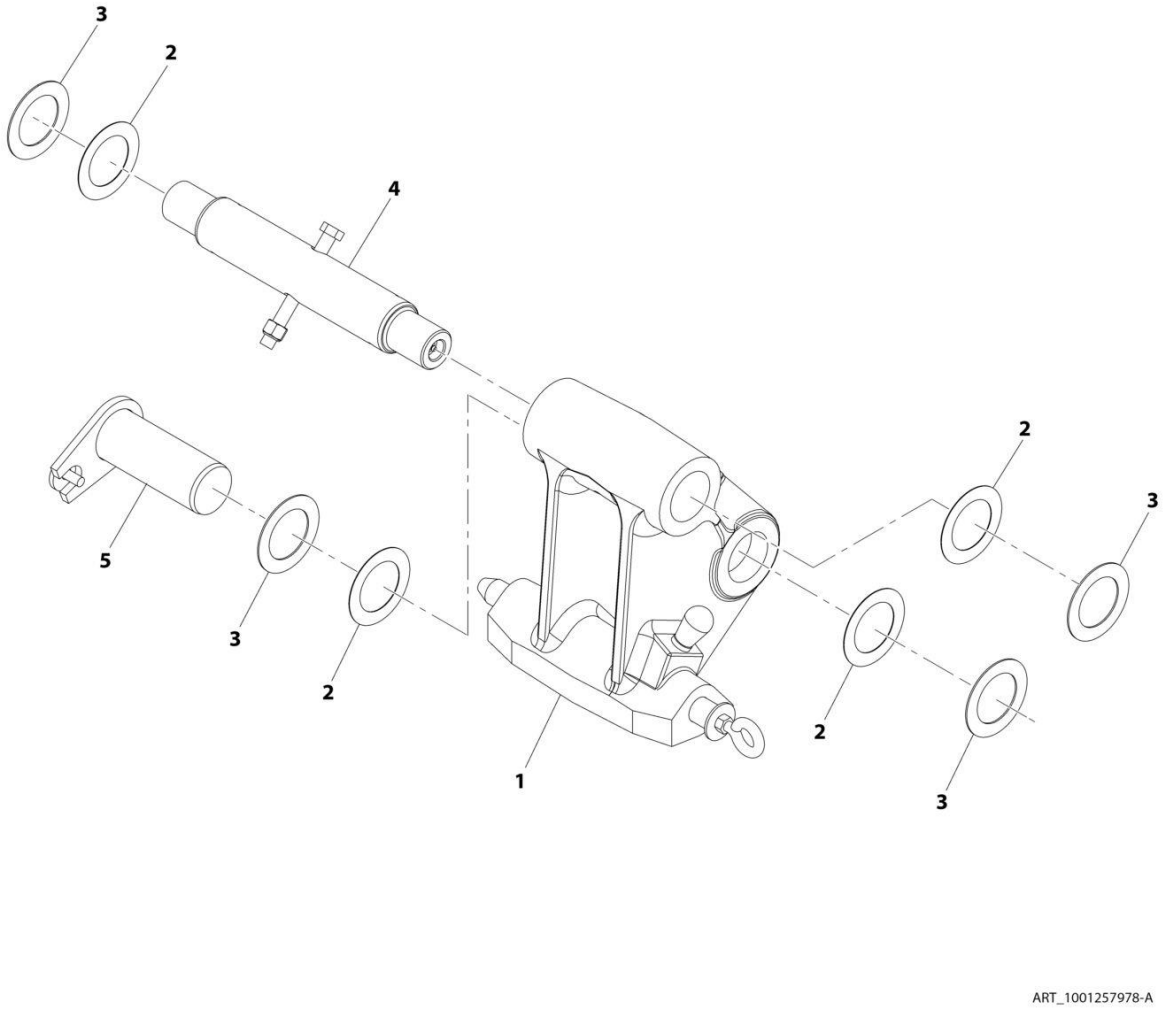


FIGURE 2-14. ATTACH COUPLER INSTALLATION (MANUAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257978	Ref	Attach Coupler Installation (Manual)	A
1	1001171764	1	Coupling, Quick Connect, (See Separate Breakdown in this Section)	
2	1001164884	AR	Shim	
3	1001164885	AR	Shim	
4	1001257917	1	Installation, Boom Pin (See Separate Breakdown in this Section)	
5	1001167762	1	Installation, Tilt Cylinder Pin (See Separate Breakdown in this Section)	

FIGURE 2-15. ATTACH COUPLER INSTALLATION (HYDRAULIC)

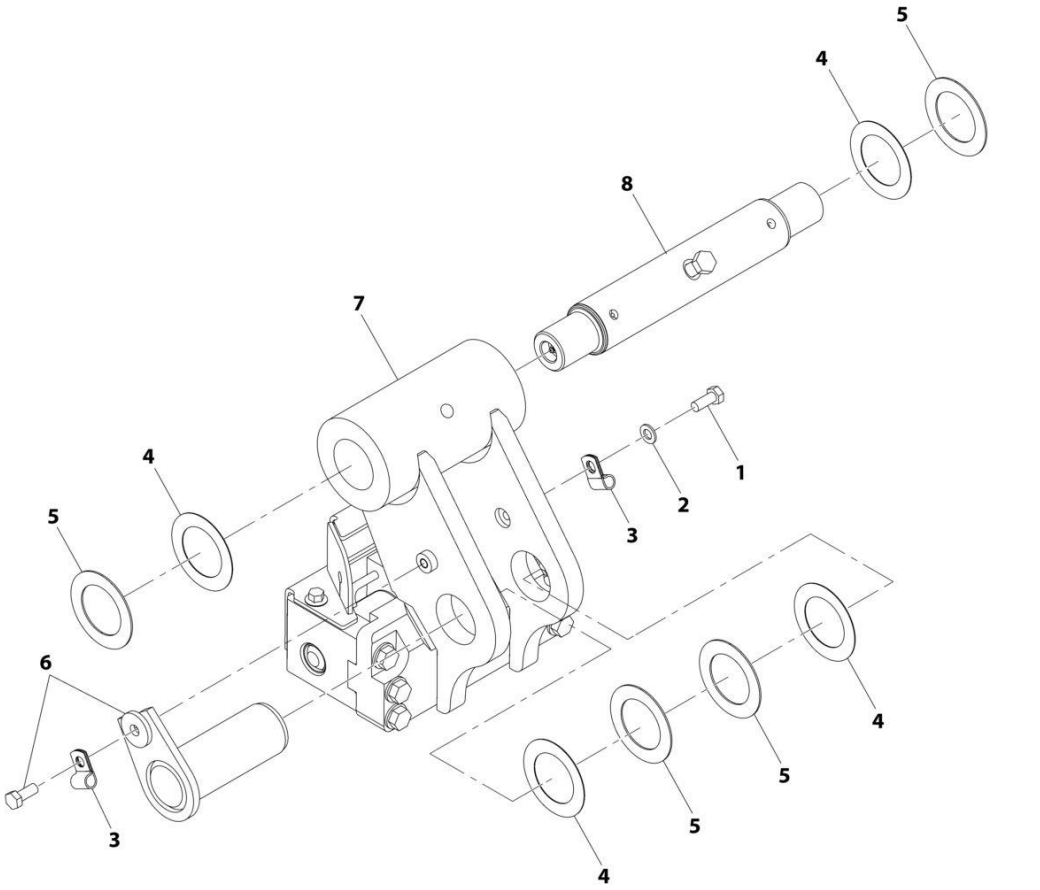


FIGURE 2-15. ATTACH COUPLER INSTALLATION (HYDRAULIC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257979	Ref	Attach Coupler Installation (Hydraulic)	A
1	0761214	1	Bolt, M12X30	
2	4812100	1	Washer, M12	
3	1001080996	2	Clamp	
4	1001164884	AR	Shim	
5	1001164885	AR	Shim	
6	1001167762	1	Installation, Tilt Cylinder Pin (See Separate Breakdown in this Section)	
7	1001172134	1	Assembly, Hydraulic Quick Coupler (See Separate Breakdown in this Section)	
8	1001257917	1	Installation, Boom Pin (See Separate Breakdown in this Section)	

FIGURE 2-16. HYDRAULIC QUICK SWITCH INSTALLATION

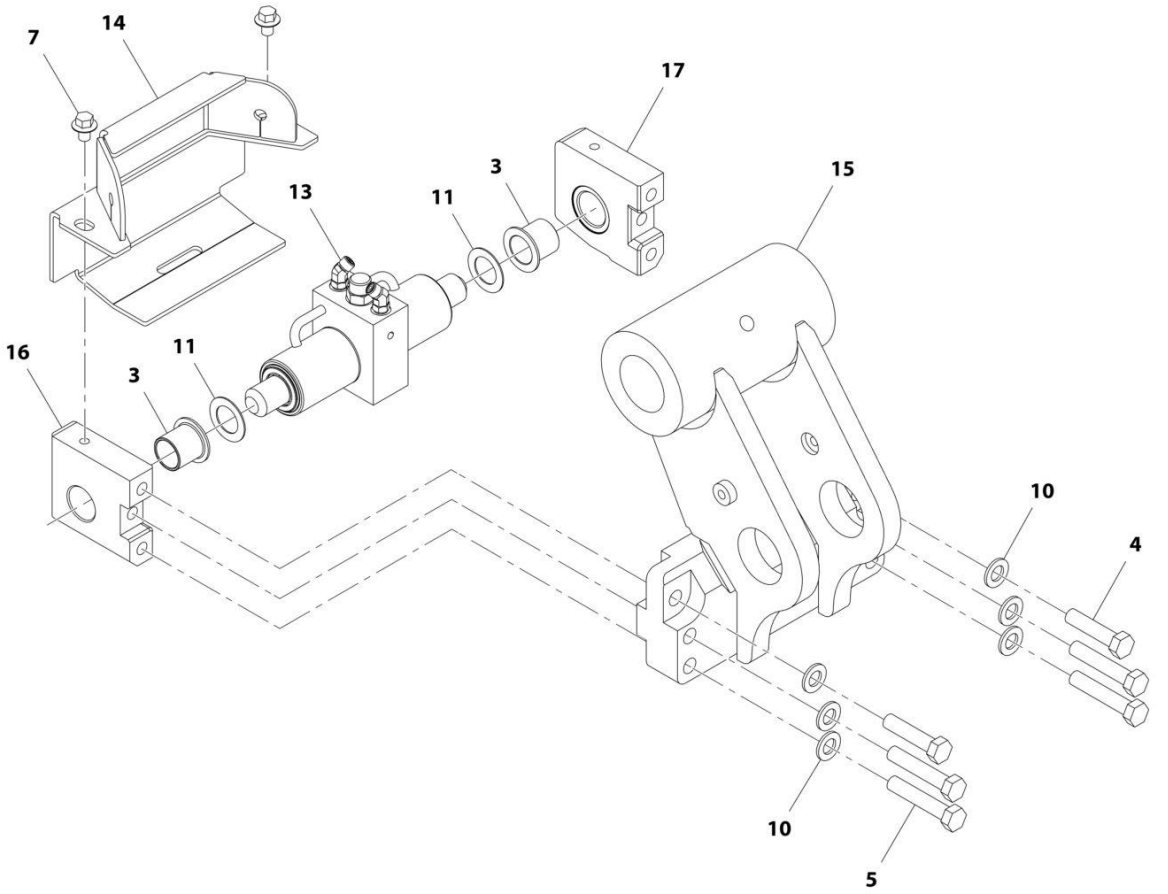


FIGURE 2-16. HYDRAULIC QUICK SWITCH INSTALLATION

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

FIGURE 2-17. QUICK COUPLER ASSEMBLY

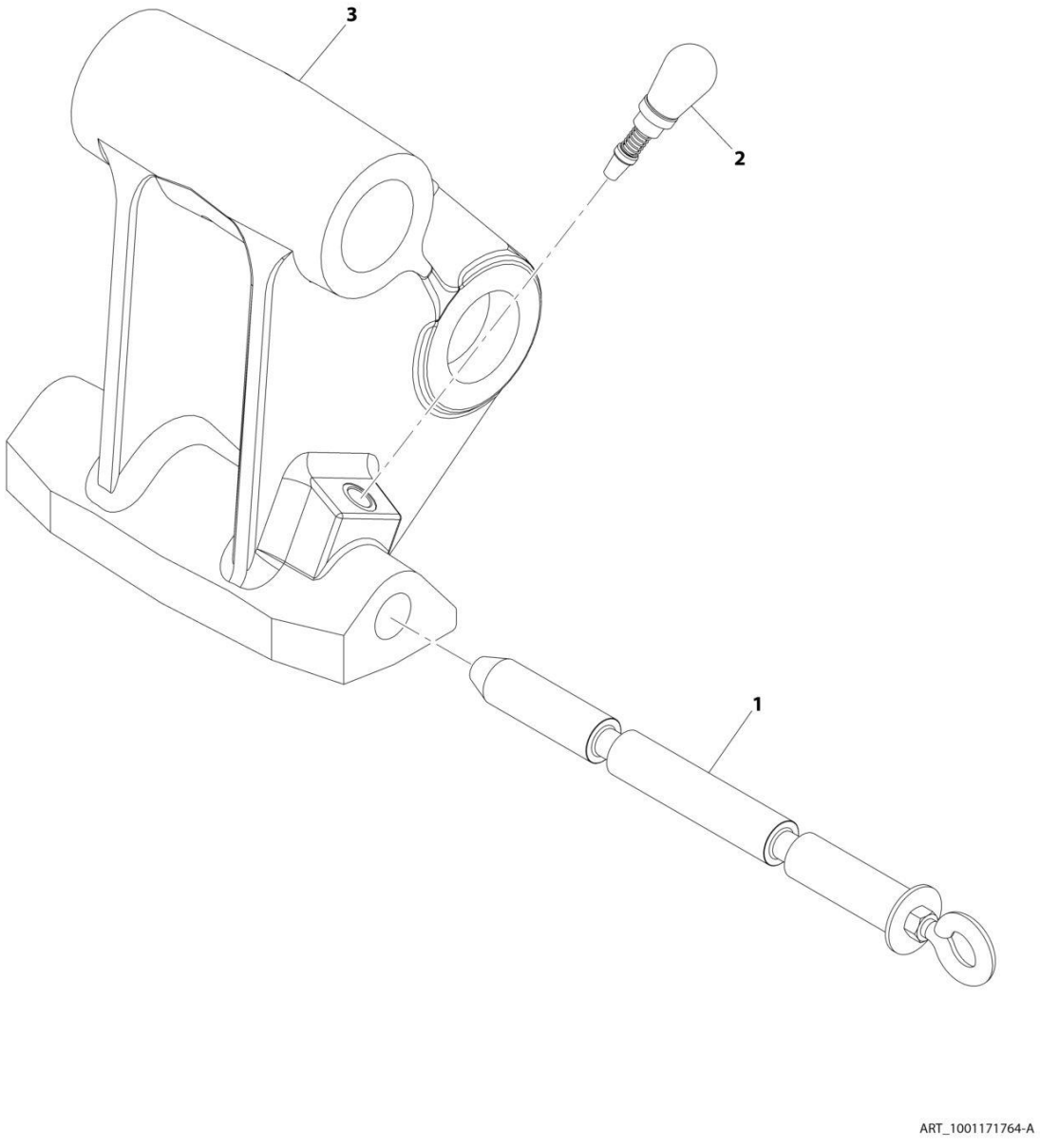


FIGURE 2-17. QUICK COUPLER ASSEMBLY

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

FIGURE 2-18. BOOM PIN INSTALLATION

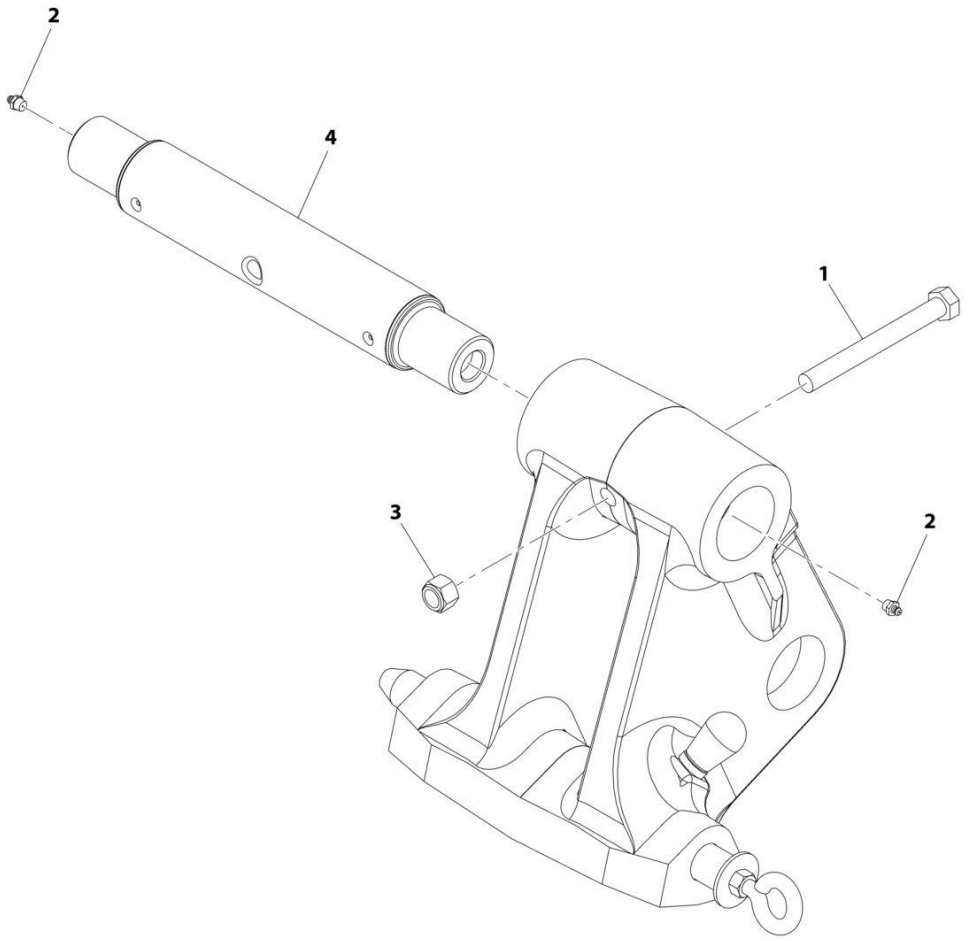


FIGURE 2-18. BOOM PIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257917	Ref	Boom Pin Installation	A
1	0711632	1	Bolt, M16X150	
2	2160016	2	Fitting, Grease	
3	3291605	1	Nut, Lock M16X2	
4	1001164871	1	Pin	

FIGURE 2-19. TILT CYLINDER PIN INSTALLATION

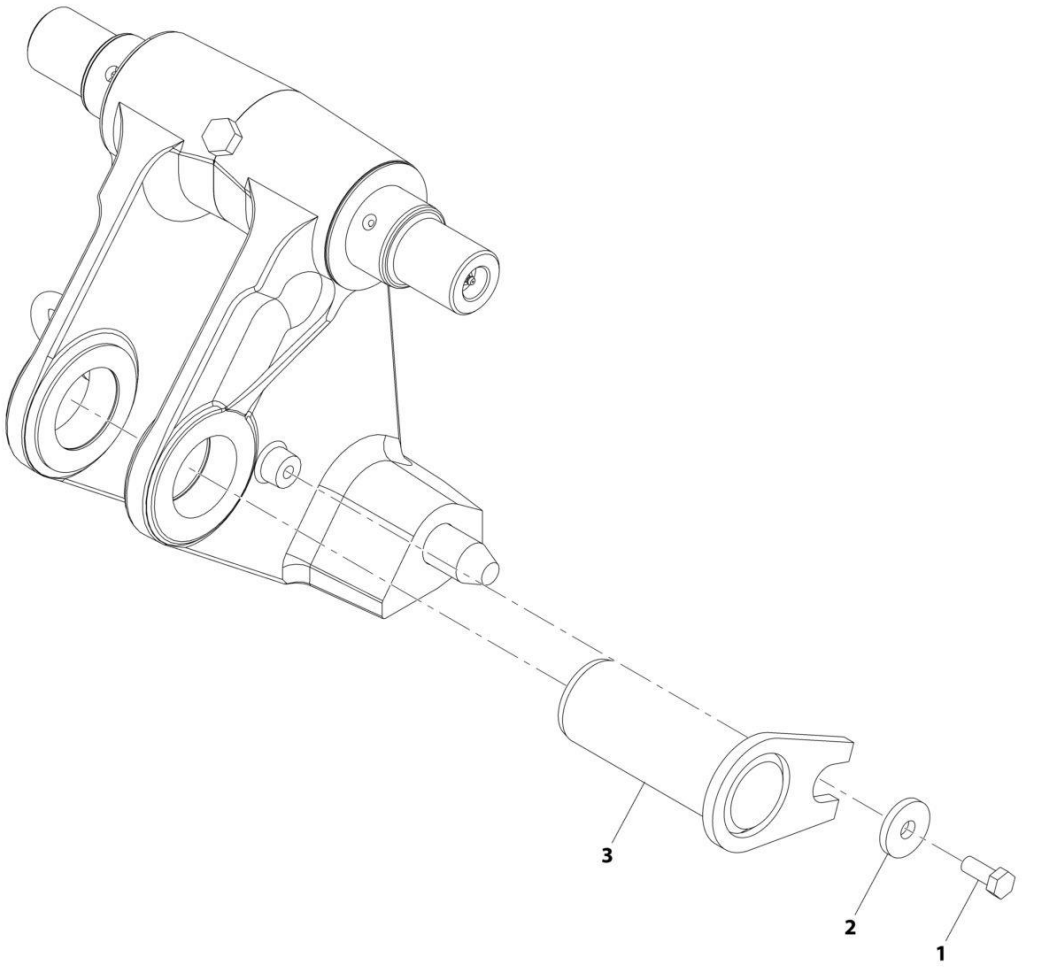


FIGURE 2-19. TILT CYLINDER PIN INSTALLATION

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

FIGURE 2-20. BOOM ANGLE INDICATOR INSTALLATION

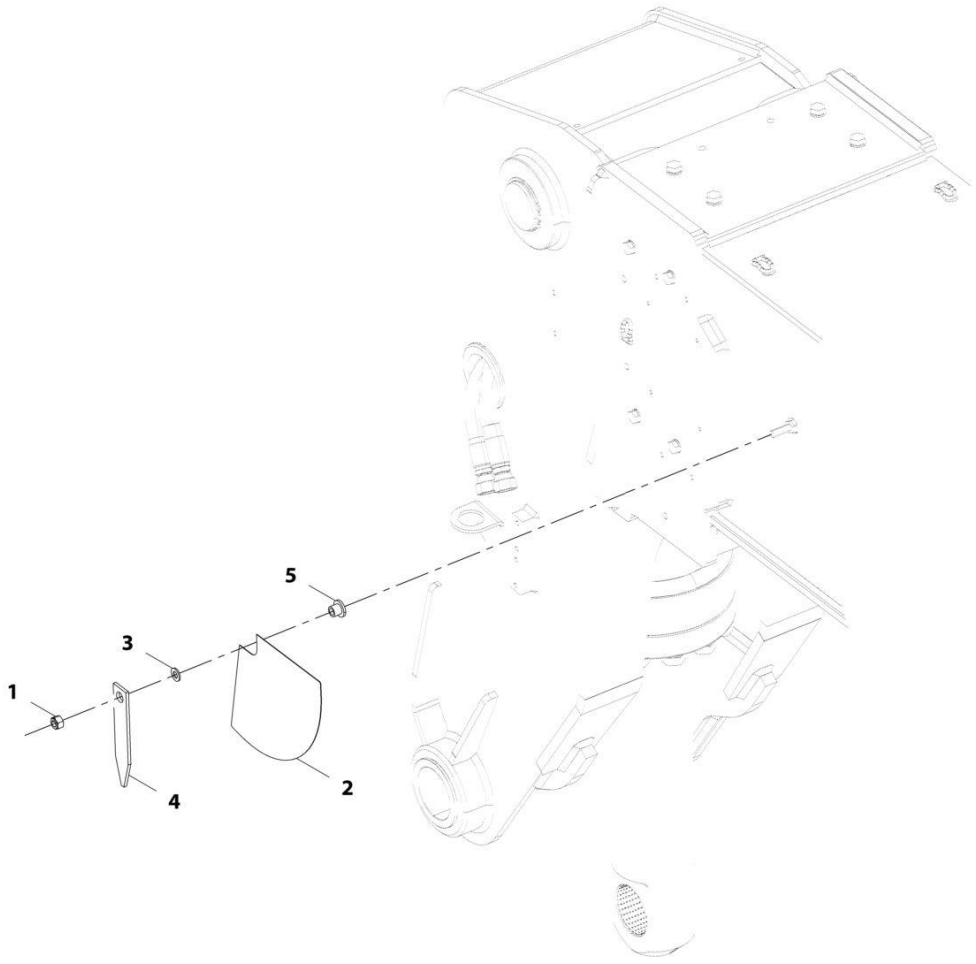


FIGURE 2-20. BOOM ANGLE INDICATOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192364	Ref	Boom Angle Indicator Installation	A
1	3291005	1	Nut, Lock M10X1.5	
2	4105262	1	Decal, Boom Angle Indicator	
3	4812000	1	Washer, M10	
4	1001098769	1	Plate, Boom Angle Indicator	
5	1001171808	1	Spacer	

FIGURE 2-21. BOOM BRUSHES INSTALLATION

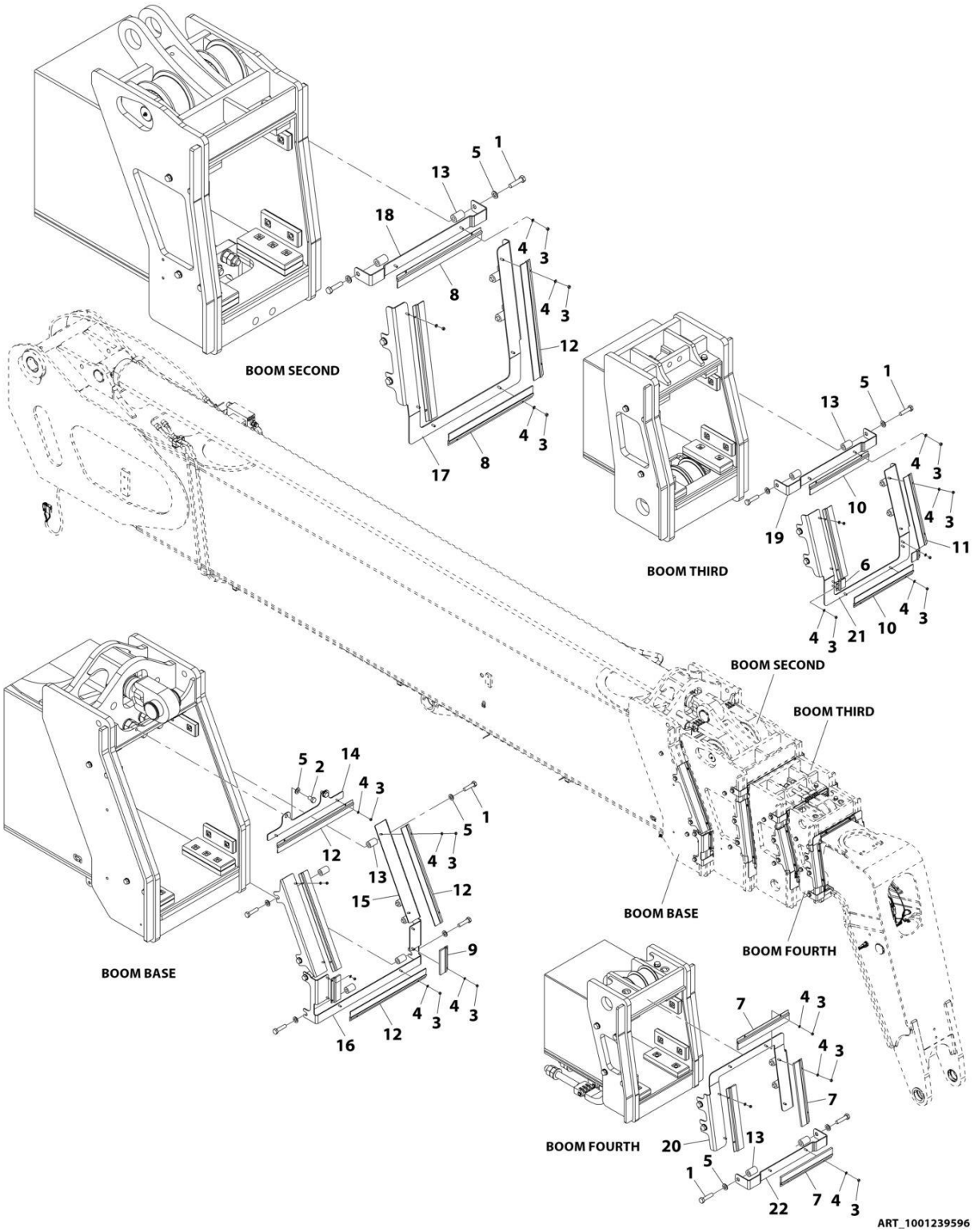


FIGURE 2-21. BOOM BRUSHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239596	Ref	Boom Brushes Installation	C
1	0761218	26	Bolt, M12X50	
2	0761210	2	Bolt, M12X20	
3	3290505	40	Nut, Lock M5X0.8	
4	4811600	40	Washer, M5	
5	1001125117	28	Washer, M12	
6	1001172994	2	Brush, Boom	
7	1001172995	4	Brush, Boom	
8	1001173739	2	Brush, Boom	
9	1001176806	2	Brush, Boom	
10	1001205627	2	Brush, Boom	
11	1001245711	2	Brush, Boom	
12	1001245712	6	Brush, Boom	
13	1001245718	26	Spacer	
14	1001245719	1	Bracket, Boom Brush	
15	1001245720	2	Bracket, Boom Brush	
16	1001245721	1	Bracket, Boom Brush	
17	1001245722	1	Bracket, Boom Brush	
18	1001245723	1	Bracket, Boom Brush	
19	1001245724	1	Bracket, Boom Brush	
20	1001245725	1	Bracket, Boom Brush	
21	1001245726	1	Bracket, Boom Brush	
22	1001245727	1	Bracket, Boom Brush	

SECTION 3 - ATTACHMENTS

FIGURE 3-1. ATTACHMENT RECOGNITION INSTALLATION (1075)

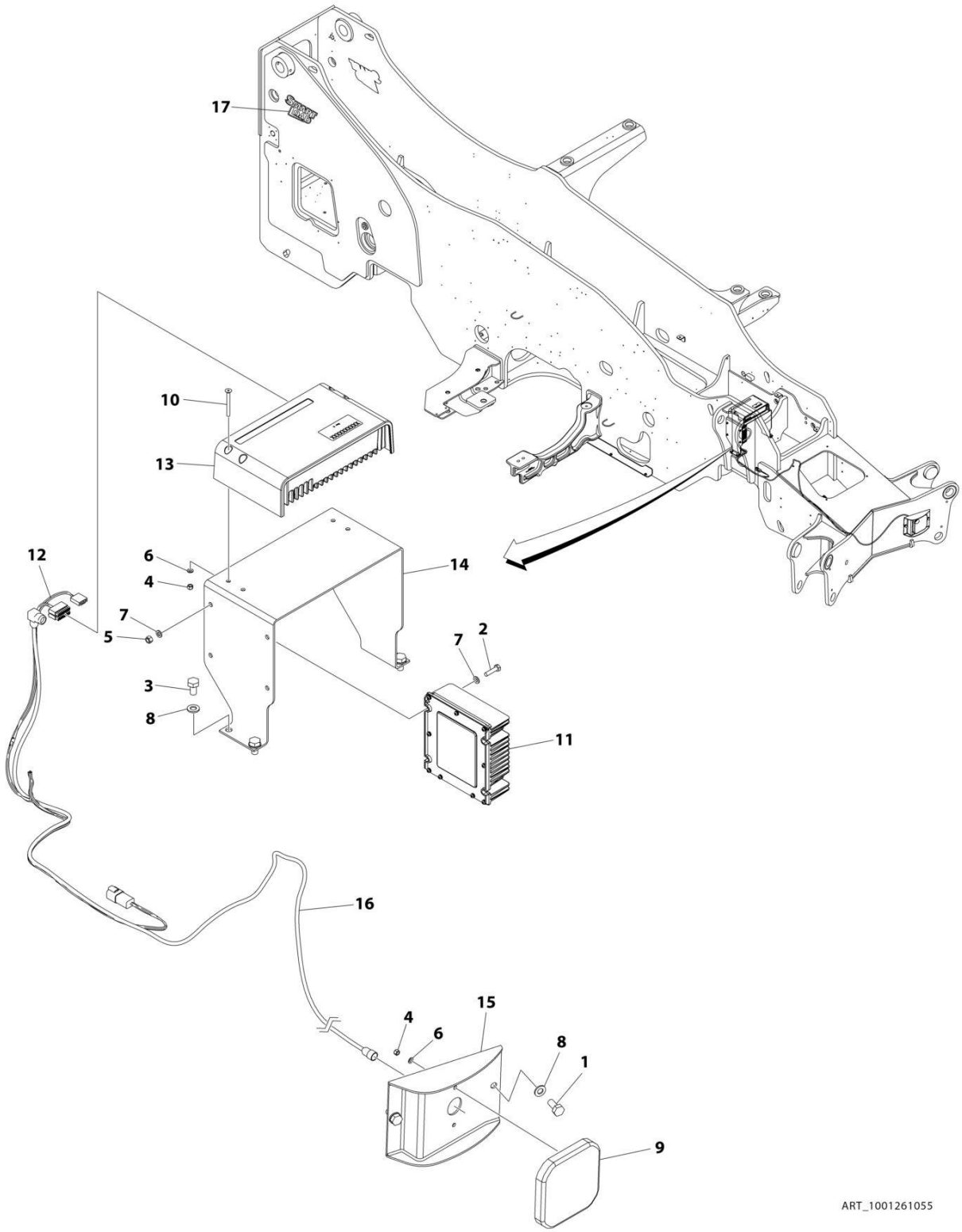


FIGURE 3-1. ATTACHMENT RECOGNITION INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001261055	Ref	ATTACHMENT RECOGNITION INSTALLATION	B
1	0701011	2	Bolt M10 x 22	
2	0760612	4	Bolt M6 x 25	
3	0761009	4	Bolt	
4	3290505	6	Nut M5 x 0.8	
5	3290605	4	Nut M6 x 1	
6	4811600	6	Washer M5	
7	4811700	8	Washer M6	
8	4812000	6	Washer M10	
9	1001202730	1	Antenna	
10	1001234395	4	Screw	
11	1001249078	1	Module, Attachment Recognition	
12	1001250203	1	Attachment Recognition Harness (See Separate Breakdown in ELECTRICAL Section)	
13	1001250475	1	Control, Receiver	
14	1001256899	1	Bracket	
15	1001260996	1	Bracket	
16	1001261095	1	Cable	
17	1001250276	2	Decal, Smart Load	

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

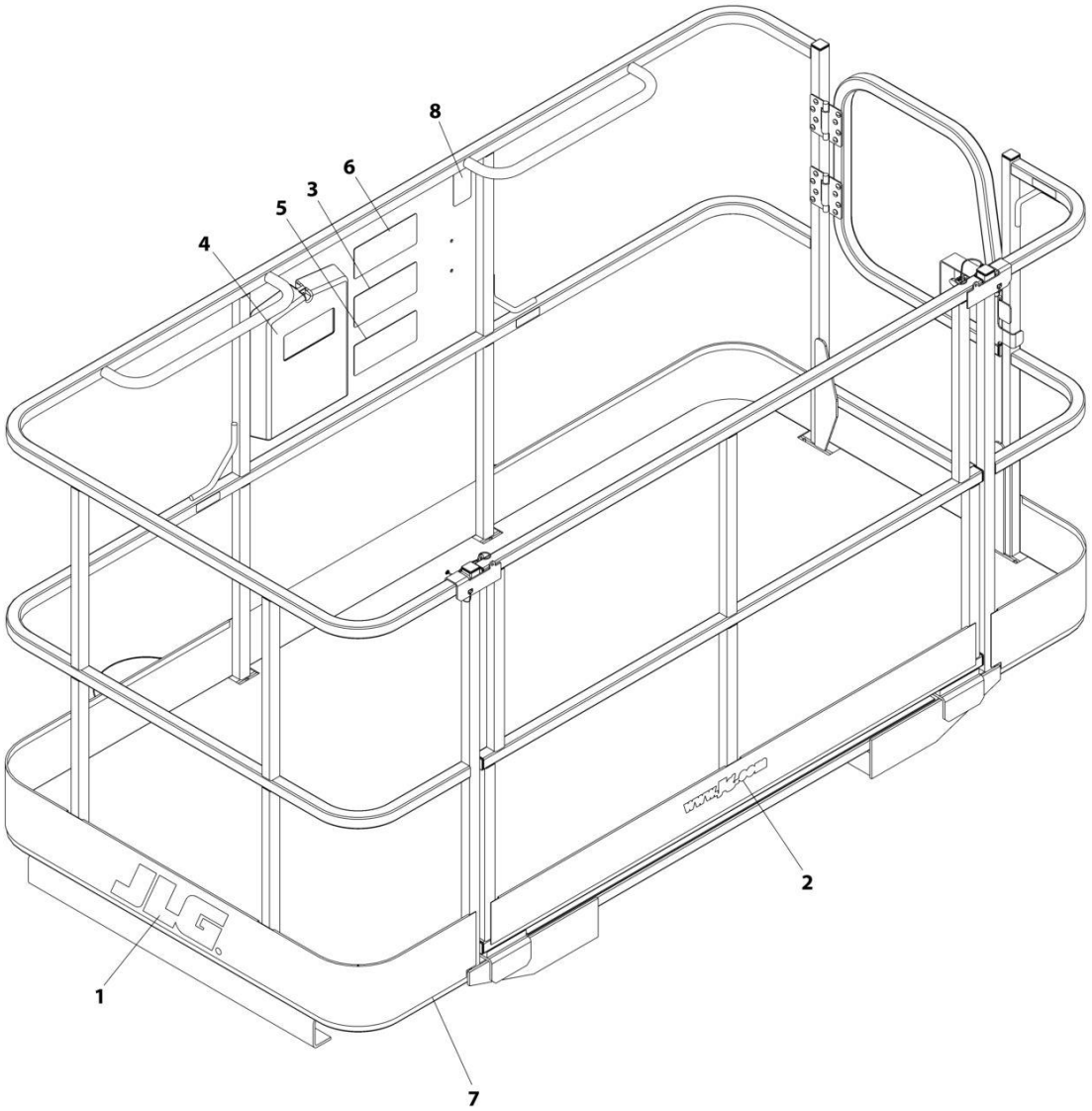


FIGURE 3-2. BASKET, PERSONNEL (1.2MX2.4M) (ENGLISH)

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 3-3. BASKET PERSONNEL (1.2MX2.4M) (ENGLISH/FRENCH)

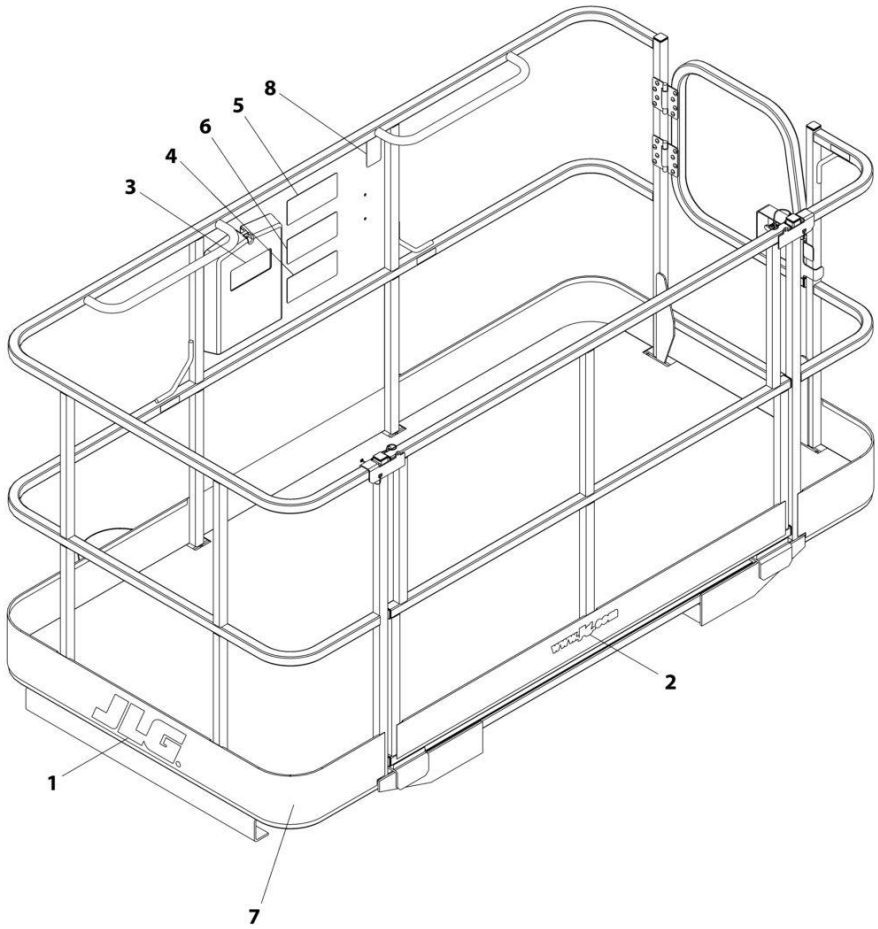


FIGURE 3-3. BASKET PERSONNEL (1.2MX2.4M) (ENGLISH/FRENCH)

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

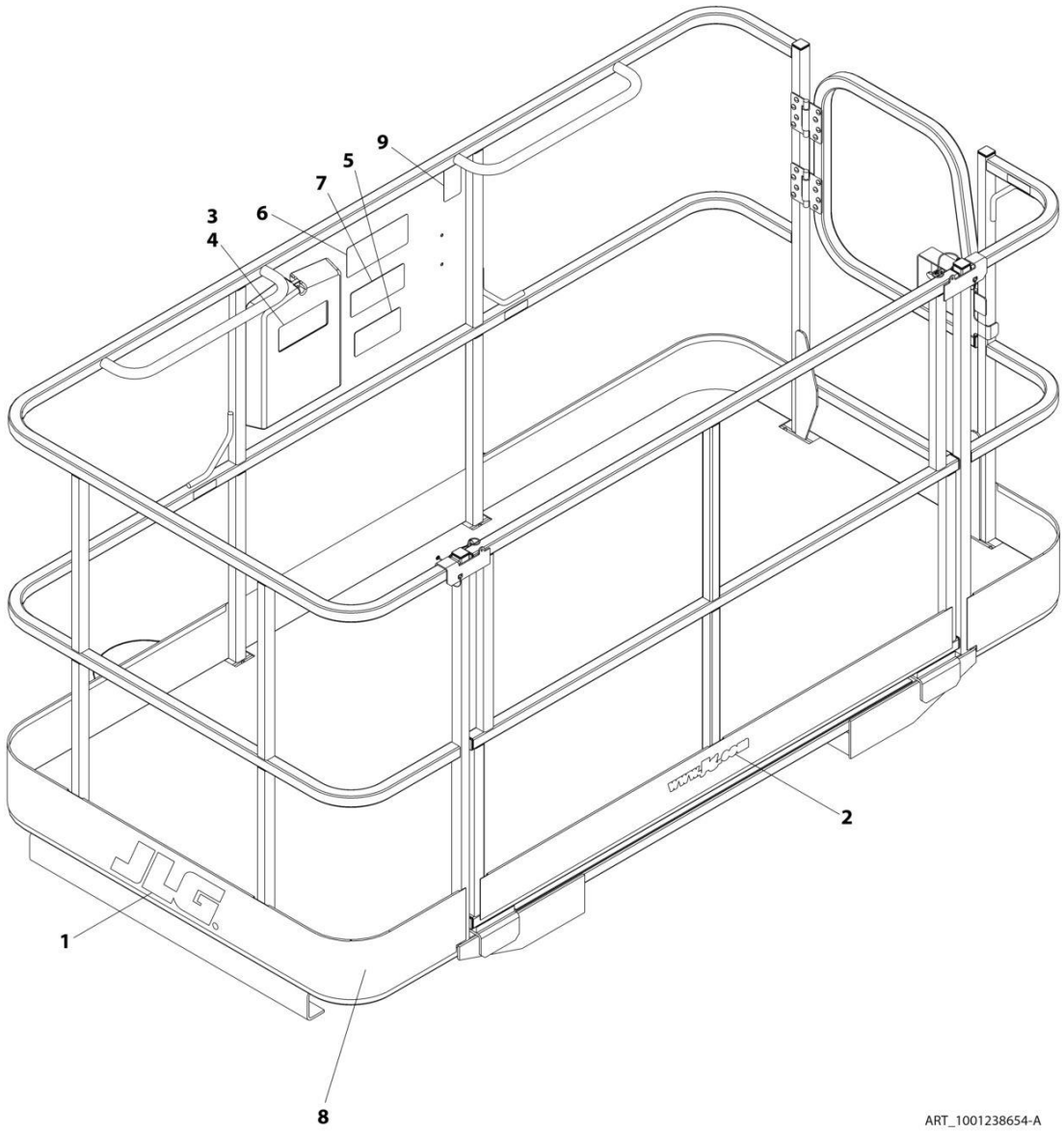


FIGURE 3-4. BASKET PERSONNEL (1.2MX2.4M) (ISO)

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 3-5. BASKET PERSONNEL (FORK MOUNTED)

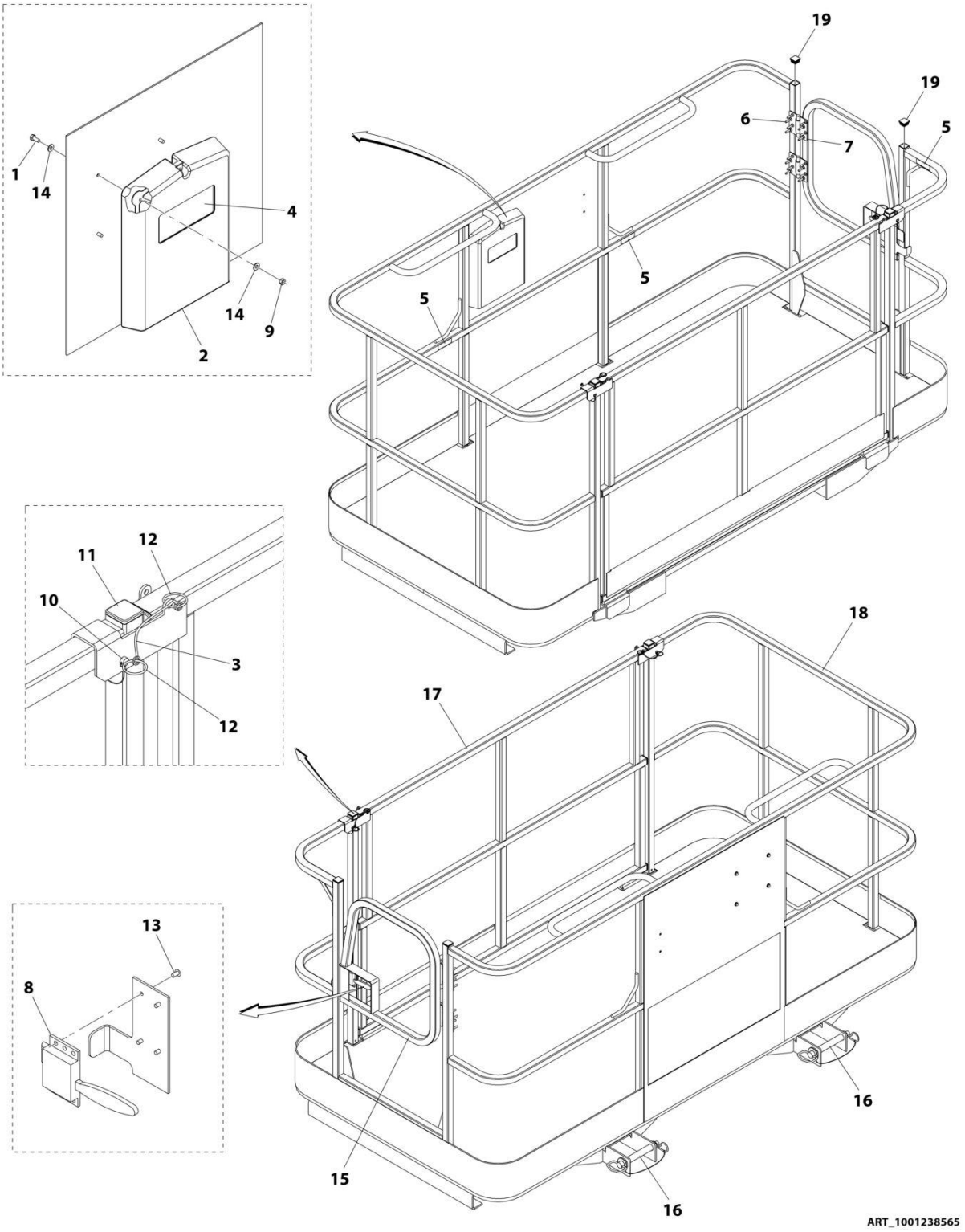


FIGURE 3-5. BASKET PERSONNEL (FORK MOUNTED)

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 3-6. BUCKET (1 M³) (FORK MOUNTED)

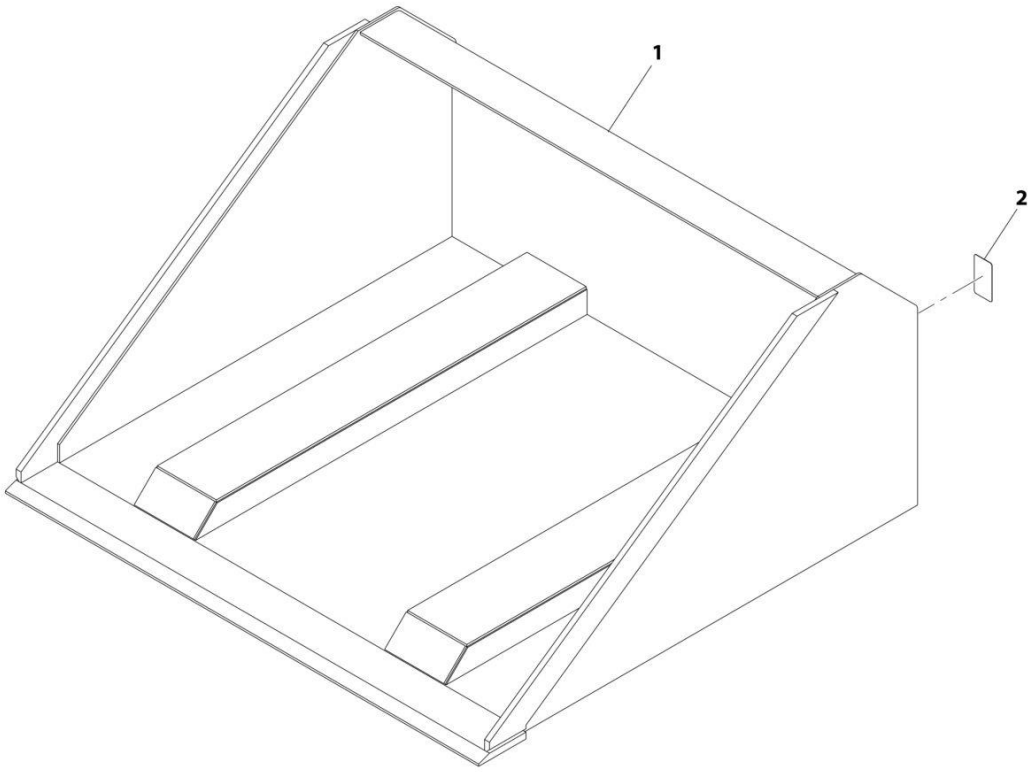


FIGURE 3-6. BUCKET (1 M³) (FORK MOUNTED)

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

FIGURE 3-7. BUCKET 1.0 YD³ (ANSI - JLG)

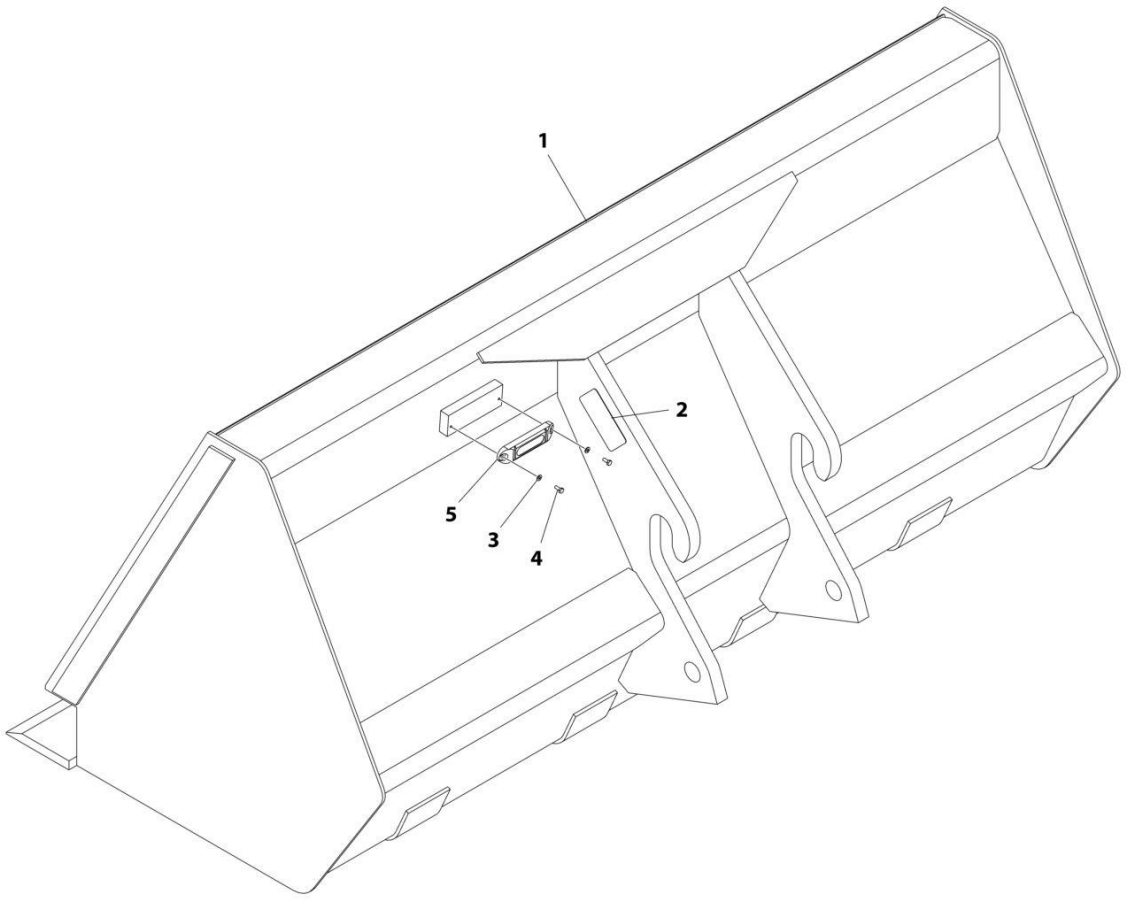


FIGURE 3-7. BUCKET 1.0 YD³ (ANSI - JLG)

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

FIGURE 3-8. BUCKET (1.15 M³)

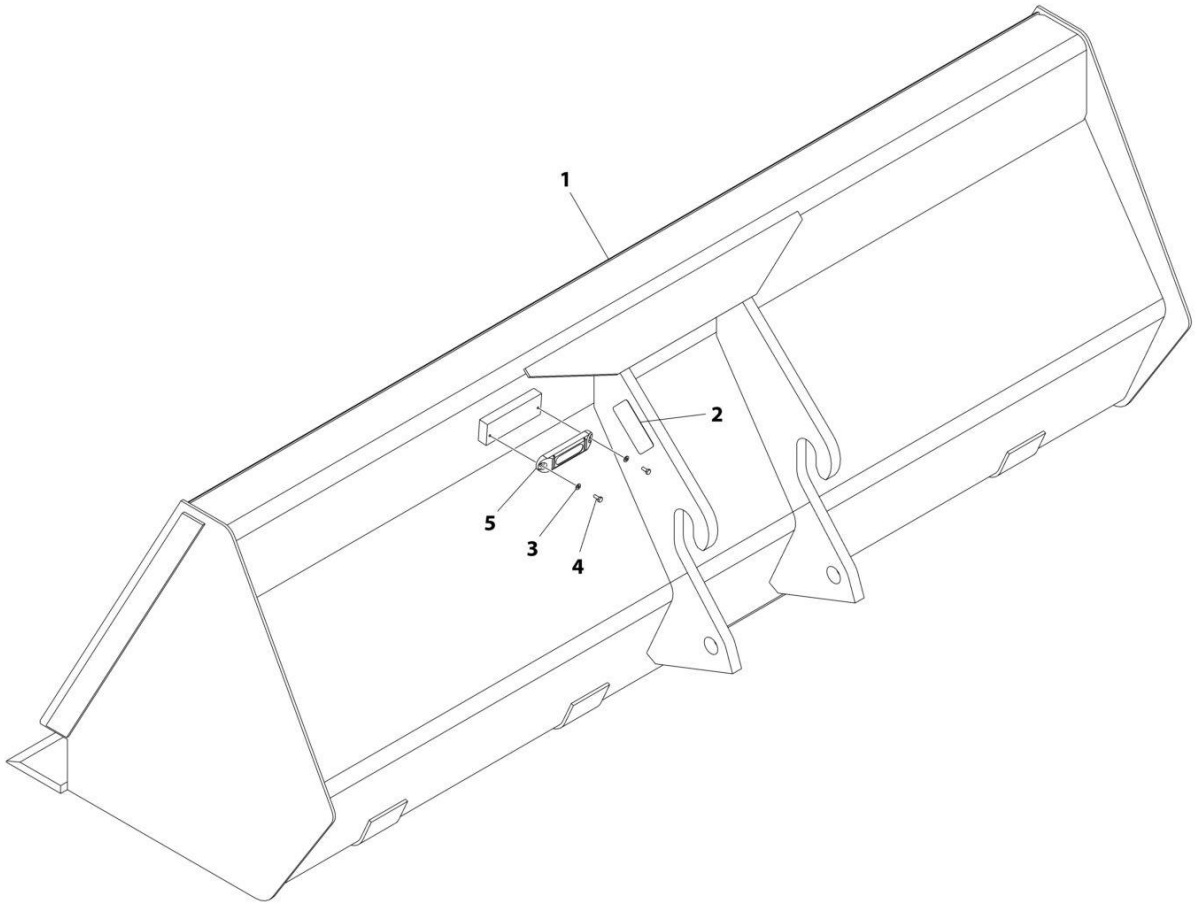


FIGURE 3-8. BUCKET (1.15 M³)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100823	Ref	BUCKET (1.15 M³)	I
1	1001100266	1	Bucket	
2	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
3	4811400	2	Washer M4	
4	0760405	2	Bolt M4 x 10	
5	1001227670	1	Tag, RFID	

FIGURE 3-9. CARRIAGE ASSEMBLY (50 INCH)

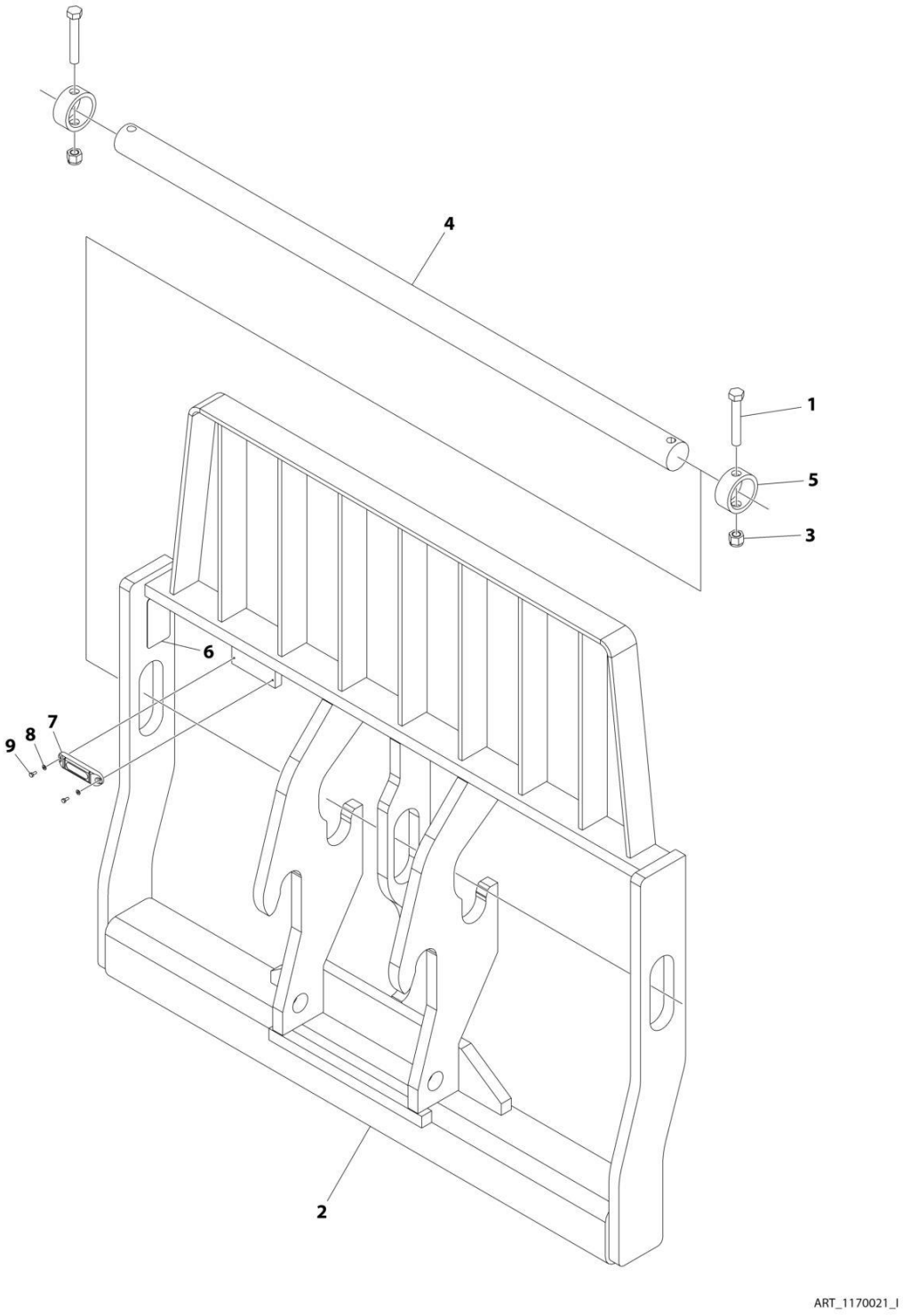


FIGURE 3-9. CARRIAGE ASSEMBLY (50 INCH)

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

FIGURE 3-10. CARRIAGE ASSEMBLY (60 INCH)

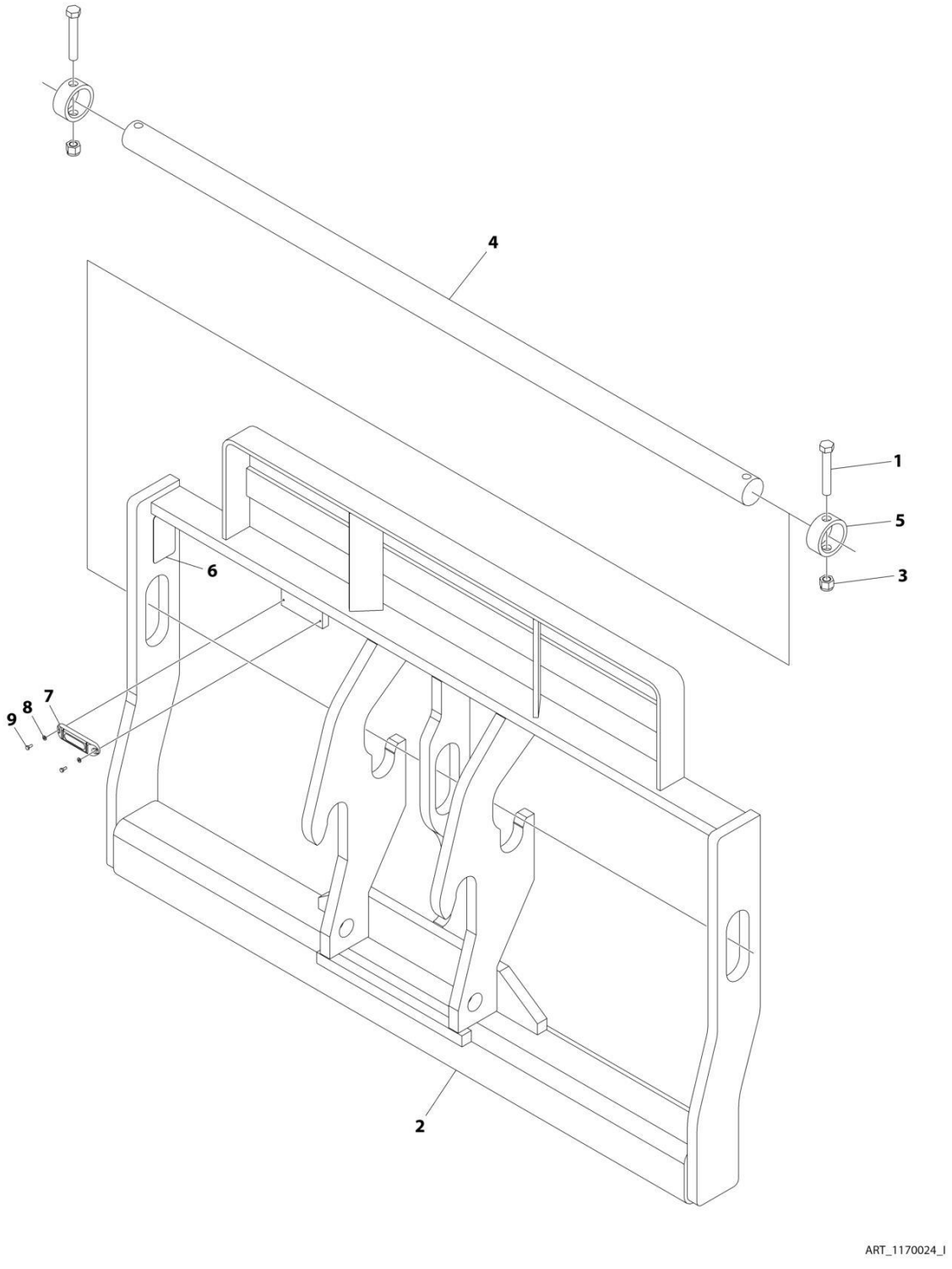


FIGURE 3-10. CARRIAGE ASSEMBLY (60 INCH)

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

FIGURE 3-11. CARRIAGE ASSEMBLY (72 INCH)

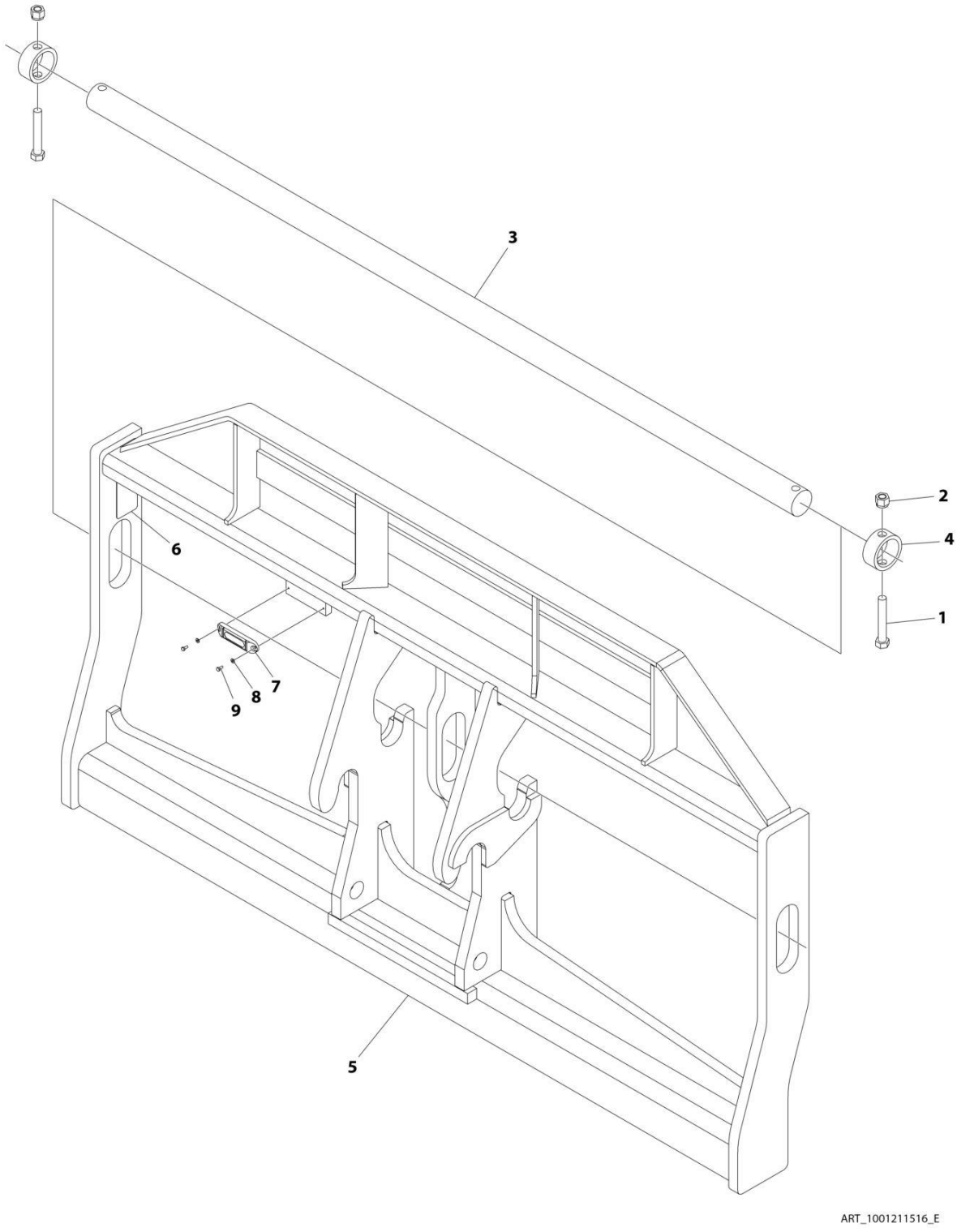


FIGURE 3-11. CARRIAGE ASSEMBLY (72 INCH)

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

FIGURE 3-12. CARRIAGE ASSEMBLY - SIDE SHIFT (48 INCH)

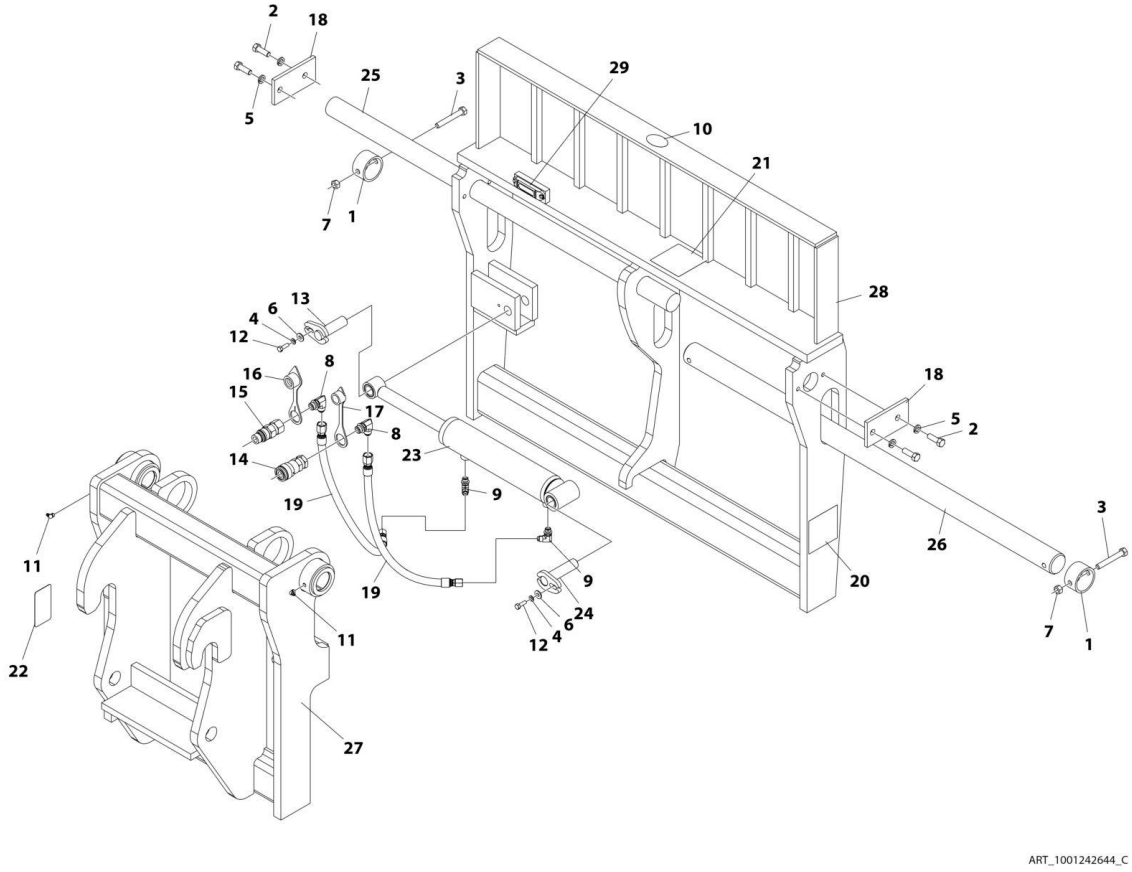


FIGURE 3-12. CARRIAGE ASSEMBLY - SIDE SHIFT (48 INCH)

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

FIGURE 3-13. CARRIAGE ASSEMBLY - SIDE TILT (50 INCH) (Prior to SN 0160116807)

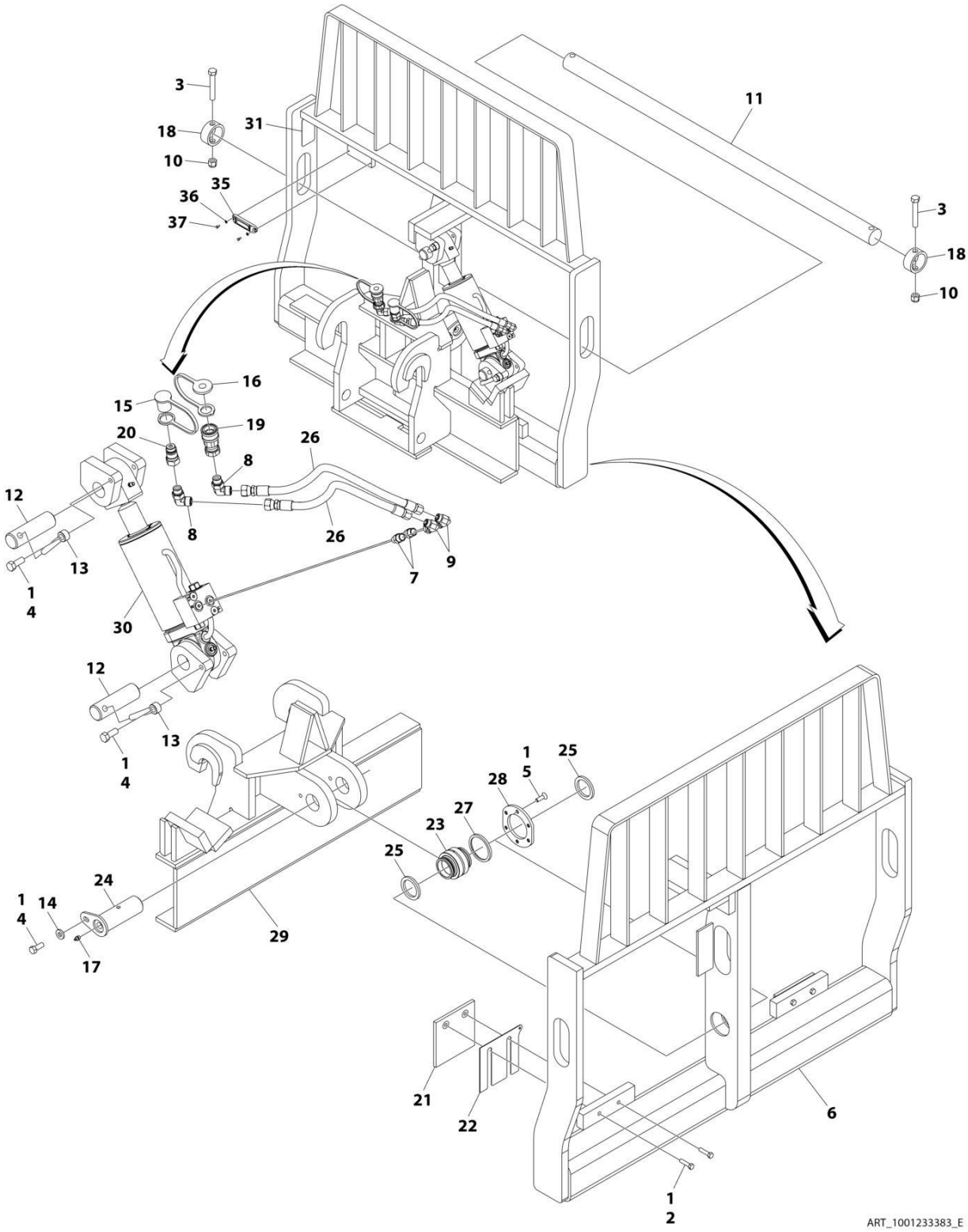


FIGURE 3-13. CARRIAGE ASSEMBLY - SIDE TILT (50 INCH) (Prior to SN 0160116807)

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

FIGURE 3-14. CARRIAGE ASSEMBLY - SIDE TILT (50 INCH) (SN 0160116807 to Present)

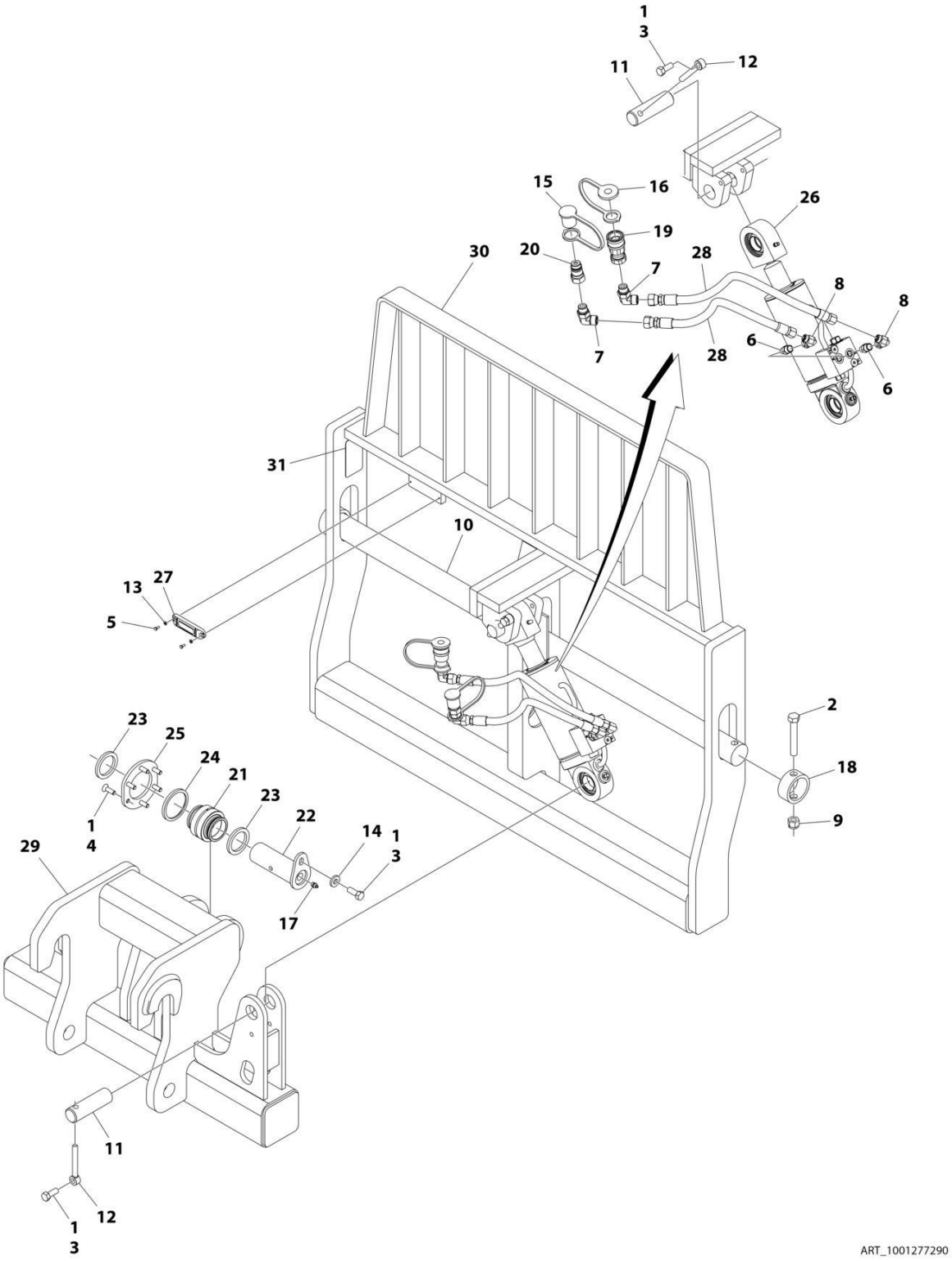


FIGURE 3-14. CARRIAGE ASSEMBLY - SIDE TILT (50 INCH) (SN 0160116807 to Present)

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

FIGURE 3-15. CARRIAGE ASSEMBLY - SIDE TILT (60 INCH) (Prior to SN 0160116807)

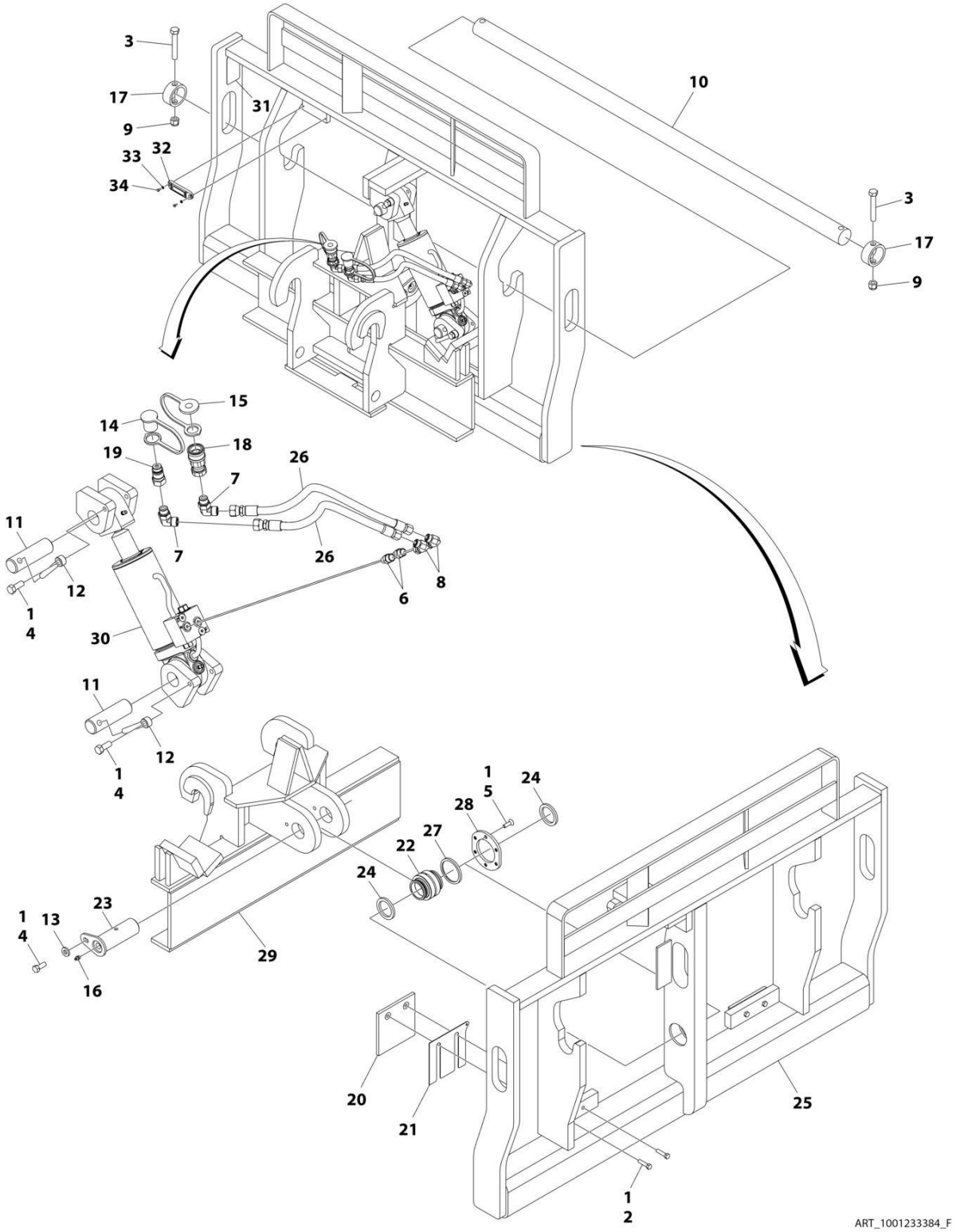


FIGURE 3-15. CARRIAGE ASSEMBLY - SIDE TILT (60 INCH) (Prior to SN 0160116807)

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

FIGURE 3-16. CARRIAGE ASSEMBLY - SIDE TILT (60 INCH) (SN 0160116807 to Present)

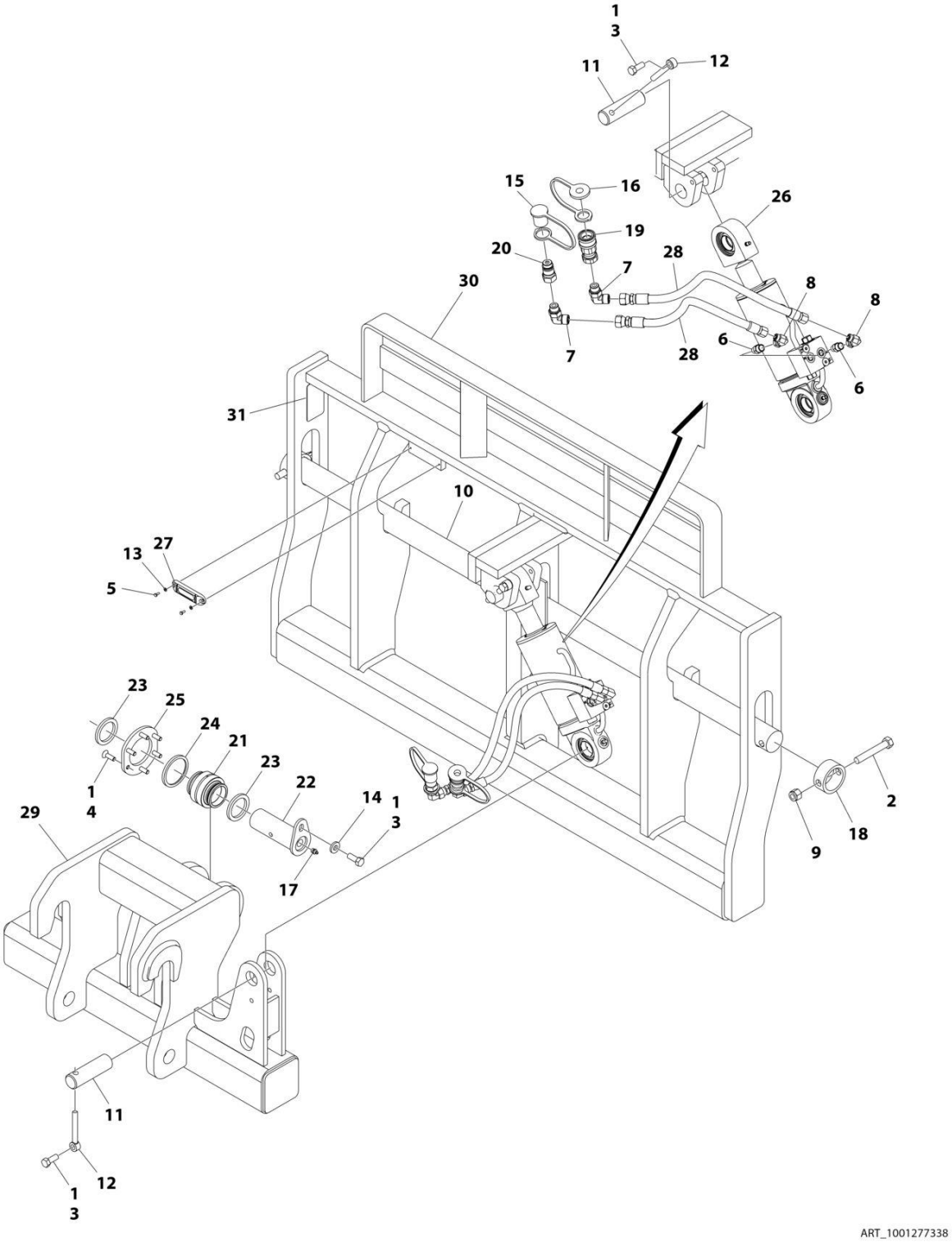


FIGURE 3-16. CARRIAGE ASSEMBLY - SIDE TILT (60 INCH) (SN 0160116807 to Present)

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

FIGURE 3-17. CARRIAGE ASSEMBLY - SIDE TILT (72 INCH) (Prior to SN 0160116807)

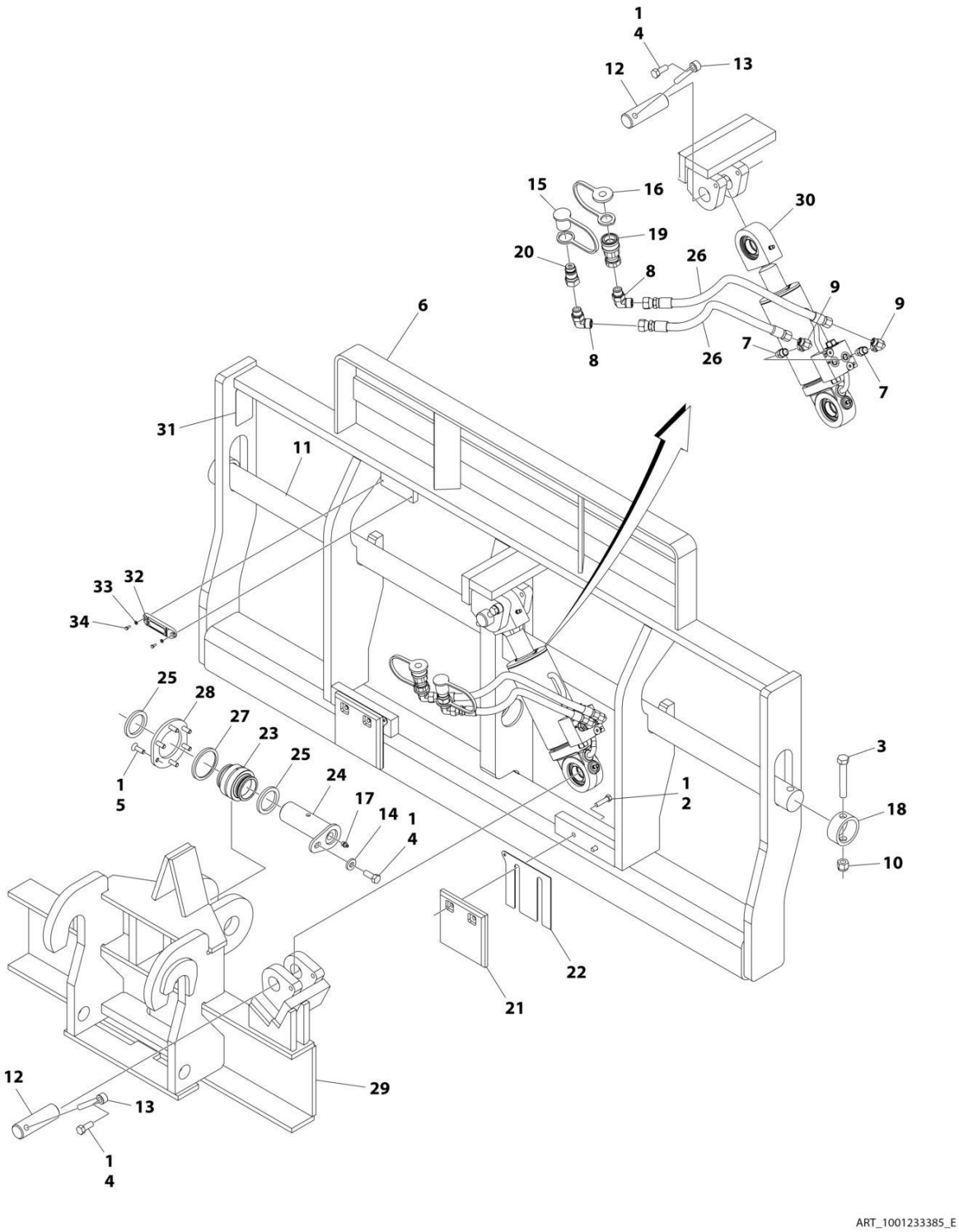


FIGURE 3-17. CARRIAGE ASSEMBLY - SIDE TILT (72 INCH) (Prior to SN 0160116807)

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

FIGURE 3-18. CARRIAGE ASSEMBLY - SIDE TILT (72 INCH) (SN 0160116807 to Present)

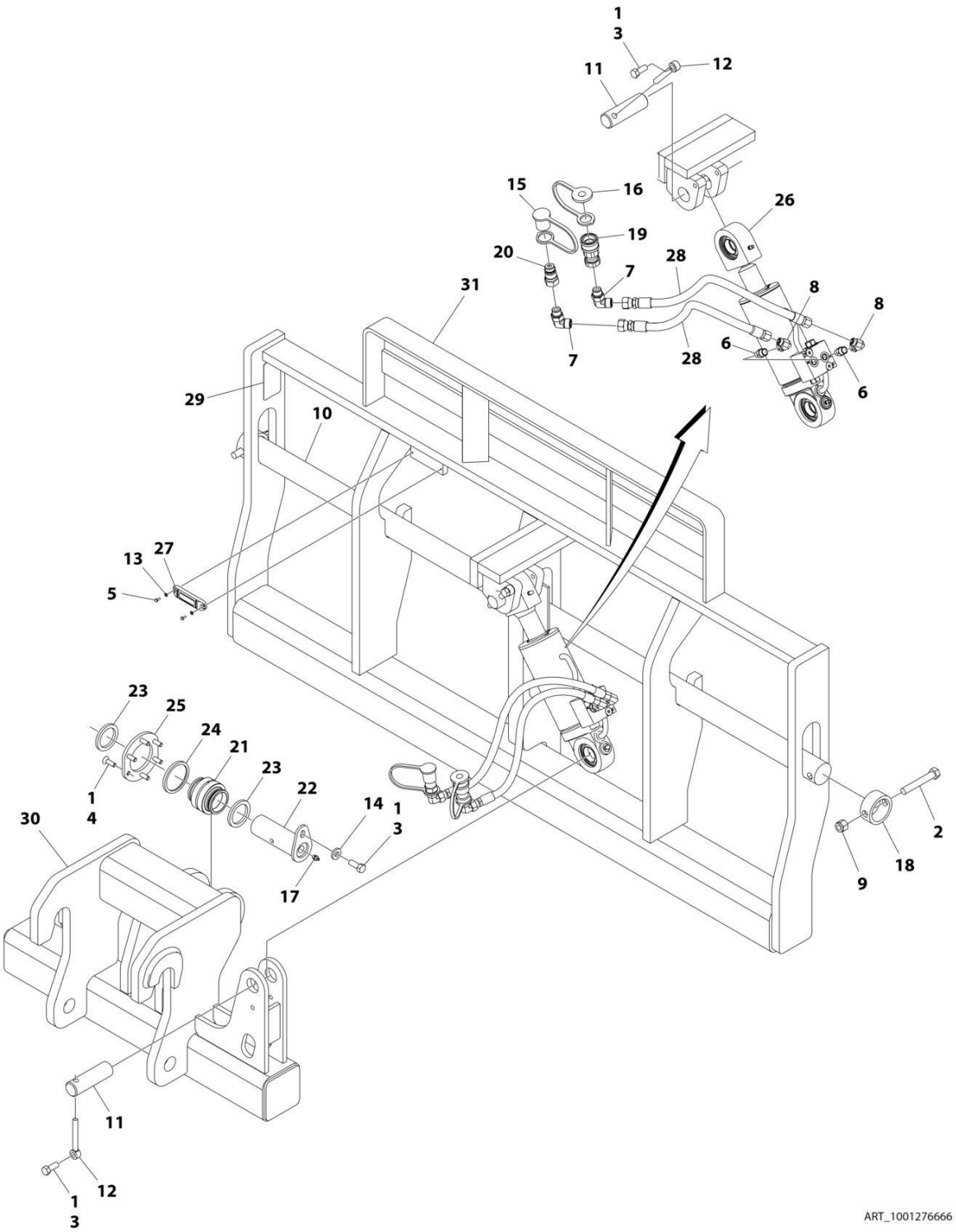


FIGURE 3-18. CARRIAGE ASSEMBLY - SIDE TILT (72 INCH) (SN 0160116807 to Present)

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

FIGURE 3-19. CARRIAGE ASSEMBLY - SWING (72 INCH) (Prior to SN 0160116236)

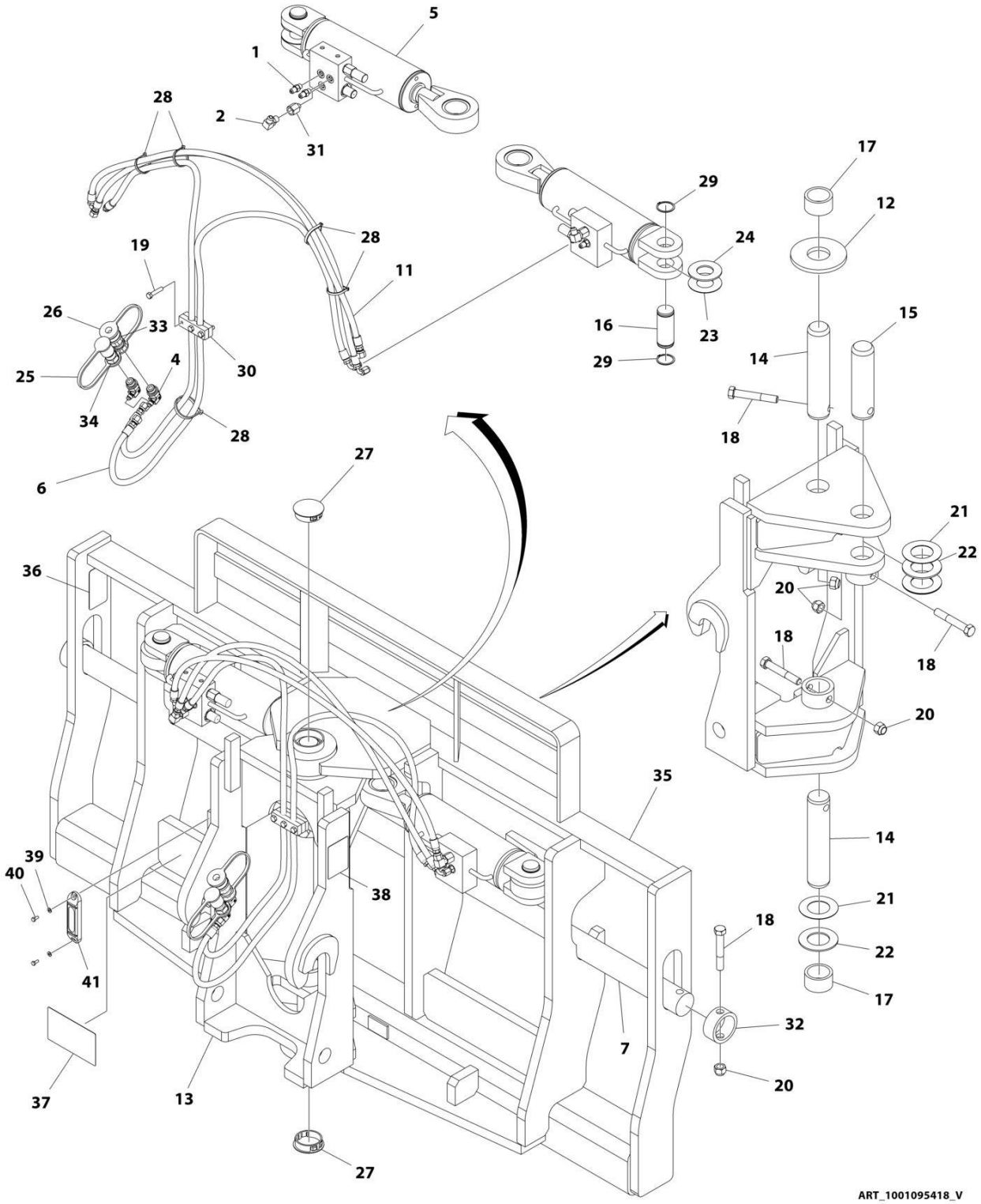


FIGURE 3-19. CARRIAGE ASSEMBLY - SWING (72 INCH) (Prior to SN 0160116236)

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

FIGURE 3-20. CARRIAGE ASSEMBLY - SWING (72 INCH) (SN 0160116236 to Present)

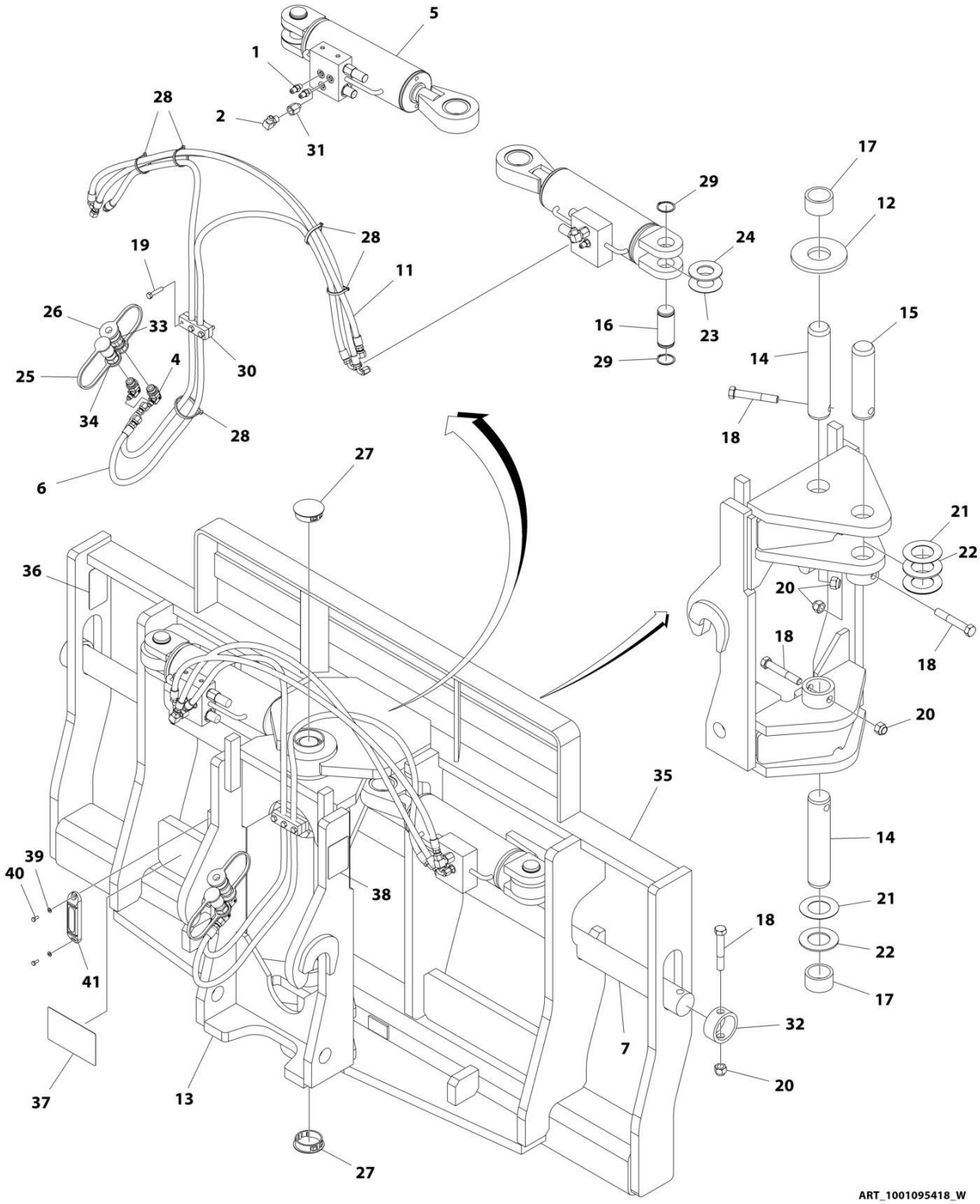
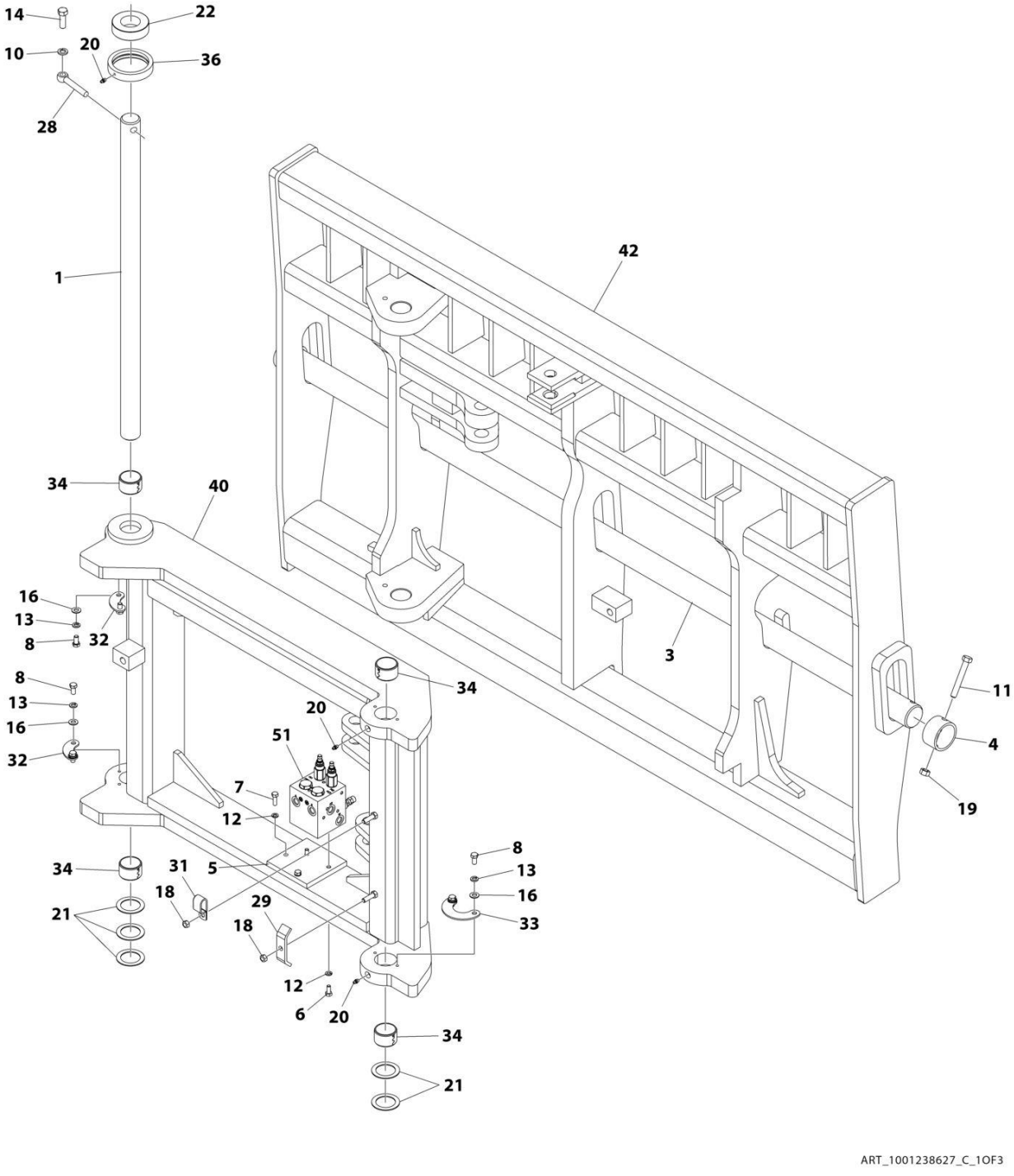
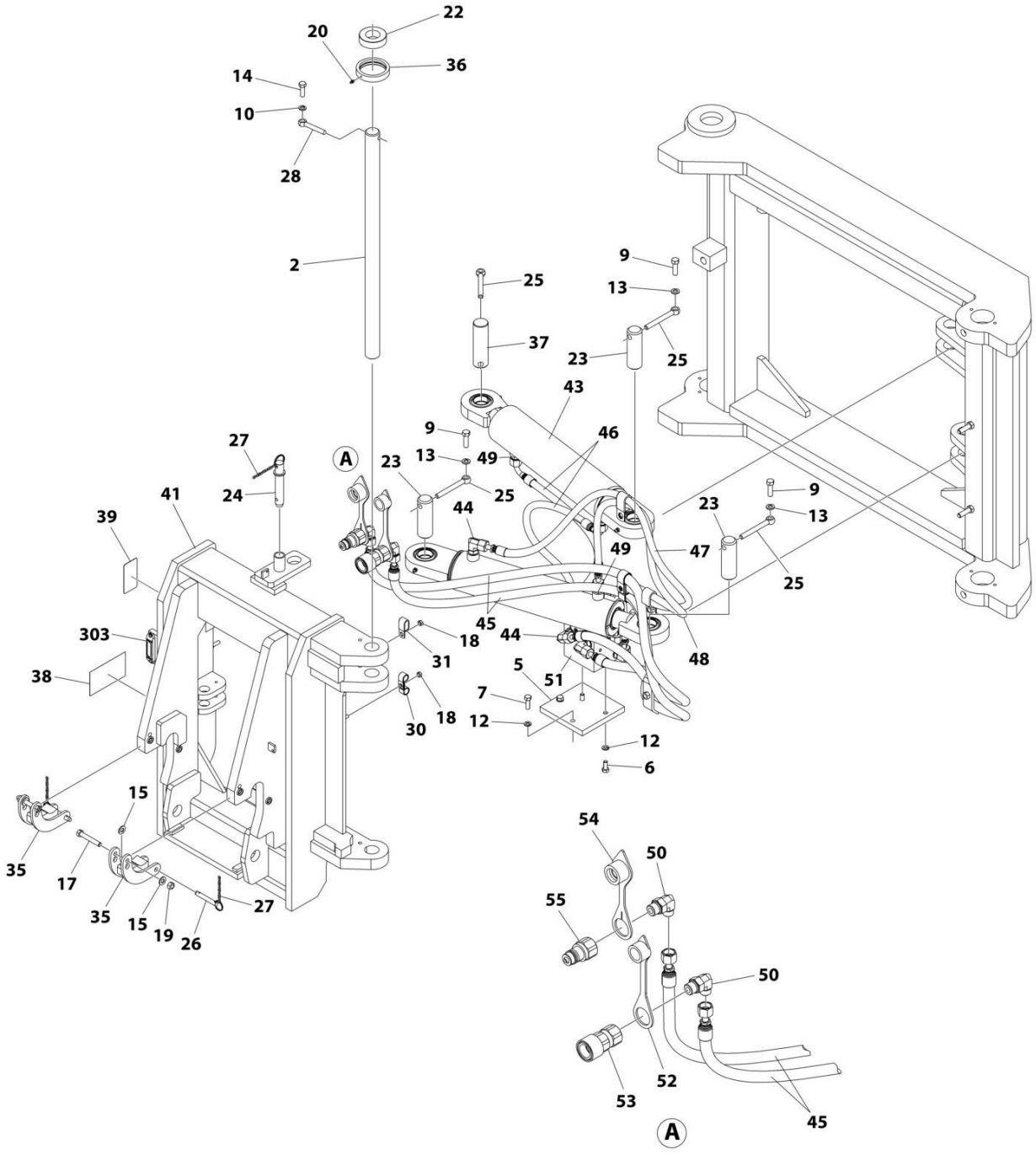


FIGURE 3-20. CARRIAGE ASSEMBLY - SWING (72 INCH) (SN 0160116236 to Present)

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

FIGURE 3-21. CARRIAGE ASSEMBLY - SWING (180)




22
20
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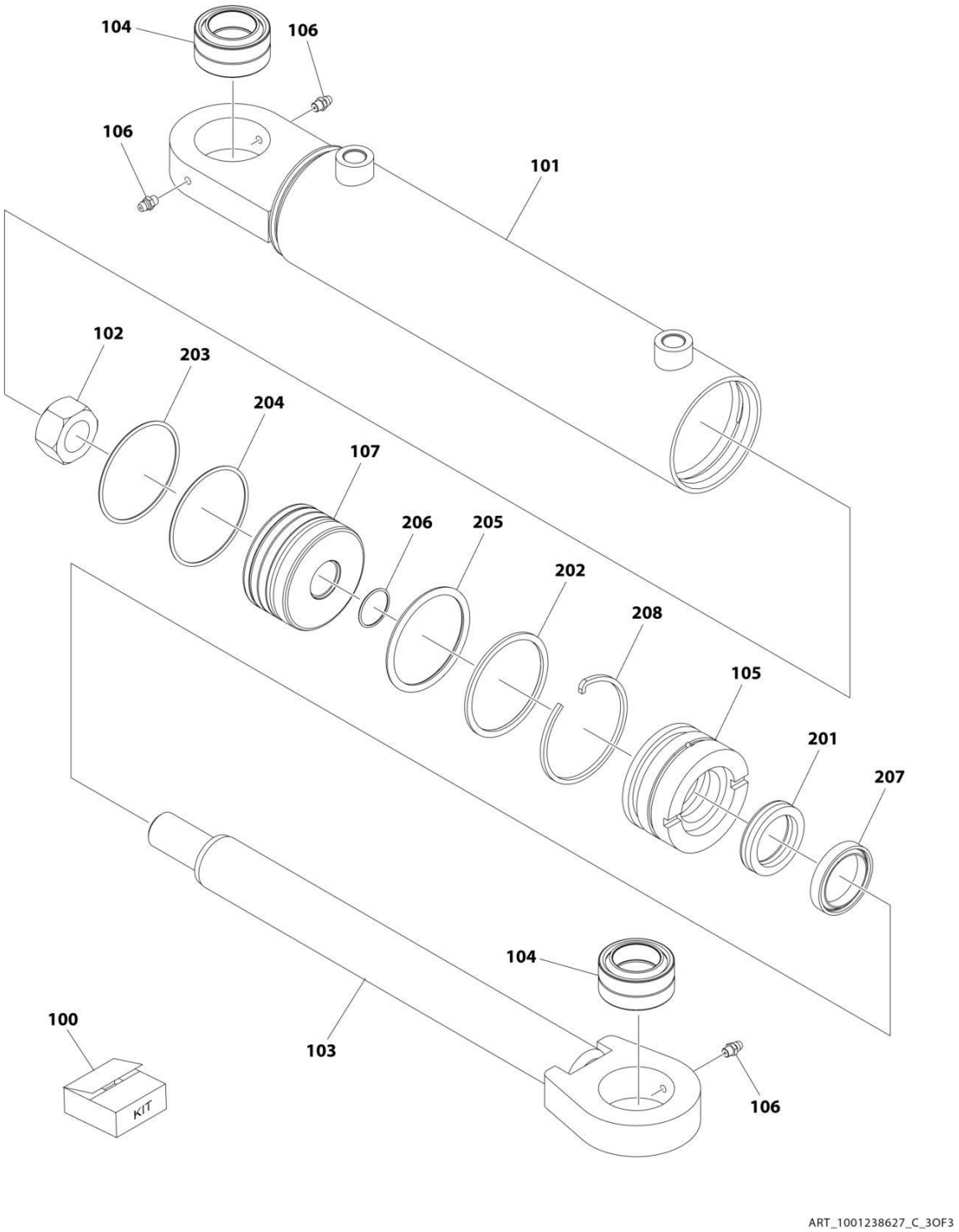
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FIGURE 3-21. CARRIAGE ASSEMBLY - SWING (180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238627	Ref	SWING CARRIAGE 180	C
1	70020025	1	Pin	
2	70020026	1	Pin	
3	70020027	1	Pin Fork	
4	70020028	2	Fork Pin Retainer	
5	70029481	1	Plate	
6	70027773	2	Bolt	
7	70029478	2	Bolt	
8	7029997	6	Bolt	
9	70021429	4	Bolt	
10	90554020	2	Washer	
11	70020002	2	Bolt	
12	90554067	4	Washer	
13	90554042	10	Washer	
14	70021382	2	Bolt	
15	70021338	4	Washer	
16	7029703	6	Washer	
17	70029701	2	Bolt	
18	70021367	4	Nut	
19	70027642	4	Nut	
20	90554045	4	Zerk, Grease	
21	90554040	5	Washer	
22	90554024	2	Bearing	
23	90554044	3	Pin	
24	90554026	1	Pin	
25	90554043	4	Pin, Rod End	
26	90554035	2	Pin	
27	90554025	3	Chain, #12 Jack	
28	90554021	1	Pin, Rod End	
29	90554039	1	Hose Clamp	
30	7029996	2	Clamp, Hose	
31	70029480	2	Clamp, Hose	
32	70027644	2	Retainer, Bearing	
33	70027645	1	Retainer, Bearing	
34	70020015	4	Bearing	
35	90554027	2	Pin Support Wmt	
36	70020017	2	Spacer	
37	70022530	1	Pin	
38	1001110704	1	Decal, Warning	
39	N.S.S.	1	Serial Tag	
40	N.S.S.	1	Middle Frame	
41	N.S.S.	1	Rear Frame	
42	N.S.S.	1	Front Frame	
43	70027641	2	Cylinder Assy (includes items 100 thru 107)	
44	70028525	7	Elbow, 90	
45	70029702	2	Hose	
46	70029556	2	Hose	
47	70029554	1	Hose	
48	70029553	1	Hose	
49	70028486	3	Fitting Straight	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70028526	2	Elbow, 90	
51	70029479	1	Valve	
52	8420055	1	Dust Plug, Female	
53	91403413	1	Hyd Couplier, Female	
54	8420053	1	Dust Cap, Male	
55	91403414	1	Hyd Couplier, Male	
100	70027649	1	Cylinder Seal Kit (includes items 201 thru 208)	
101	N.S.S.	1	Cylinder Tube Weldment	
102	70021440	1	Nut	
103	70021442	1	Cylinder Rod Weldment	
104	90554046	2	Bearing	
105	70021443	1	Cylinder Gland	
106	90554045	3	Grease Zerk	
107	70027647	1	Cylinder Piston	
201	Kit	1	Polypack	
202	Kit	1	Back-Up	
203	Kit	1	O-Ring	
204	Kit	1	O-Ring	
205	Kit	1	O-Ring	
206	Kit	1	O-Ring	
207	Kit	1	Rod Wiper	
208	Kit	1	Retainer, Gland	
303	1001227670	1	Tag, RFID	

FIGURE 3-22. CARRIAGE INSTALLATION - DRYWALL SWING

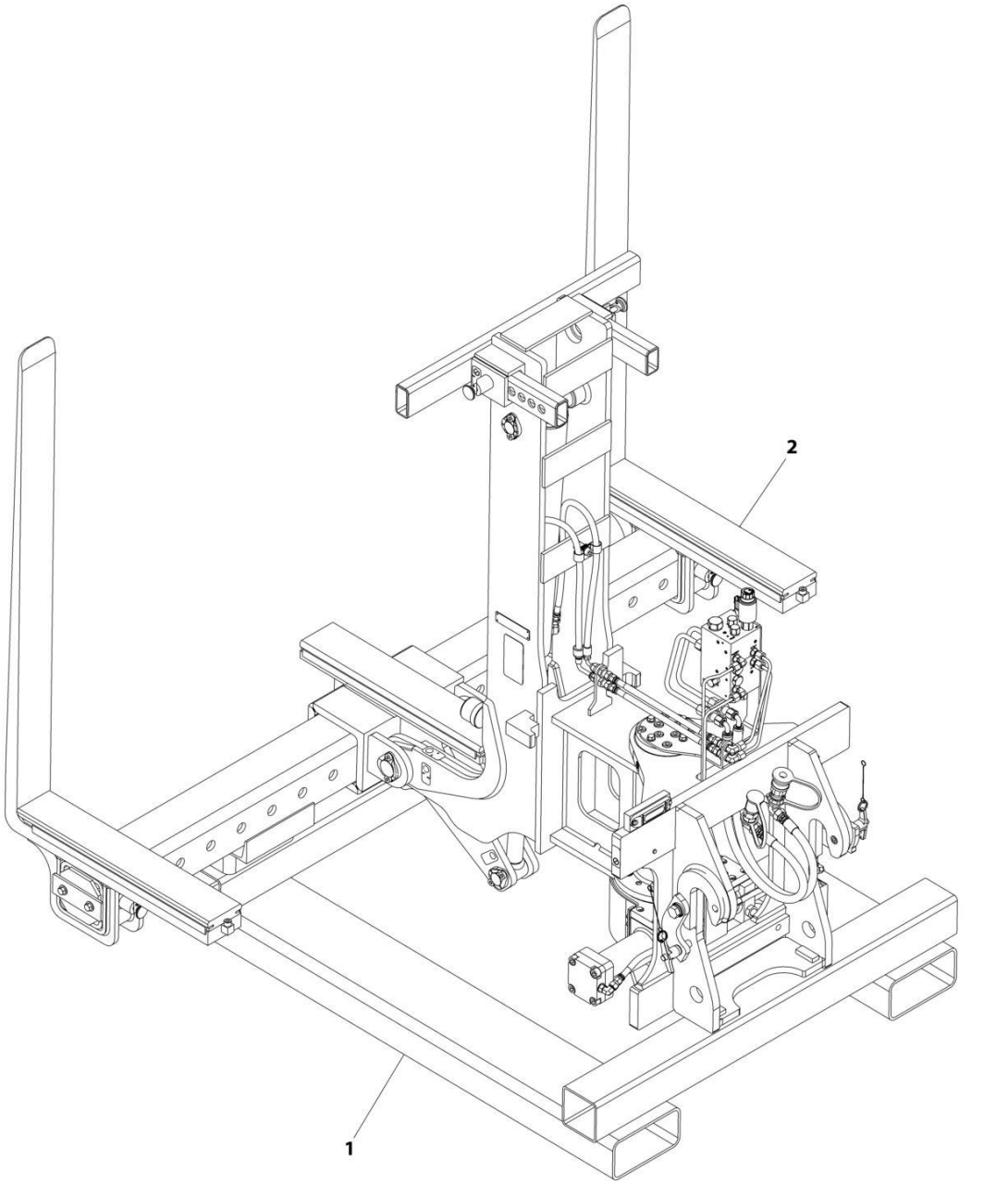


FIGURE 3-22. CARRIAGE INSTALLATION - DRYWALL SWING

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

FIGURE 3-23. CARRIAGE ASSEMBLY - DRYWALL SWING

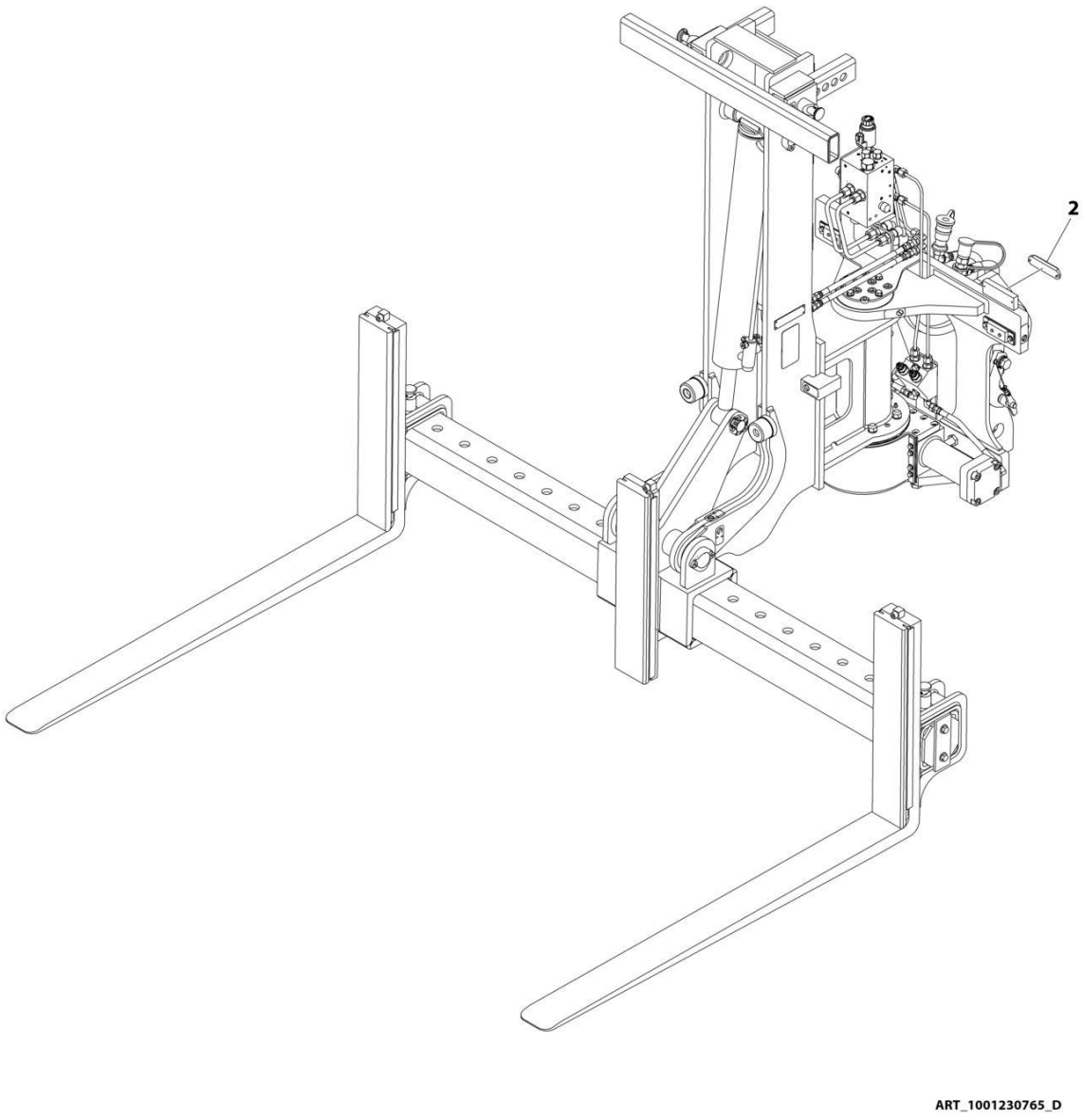


FIGURE 3-23. CARRIAGE ASSEMBLY - DRYWALL SWING

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

FIGURE 3-24. CARRIAGE ASSEMBLY - DRYWALL SWING (BOARD HANDLER)

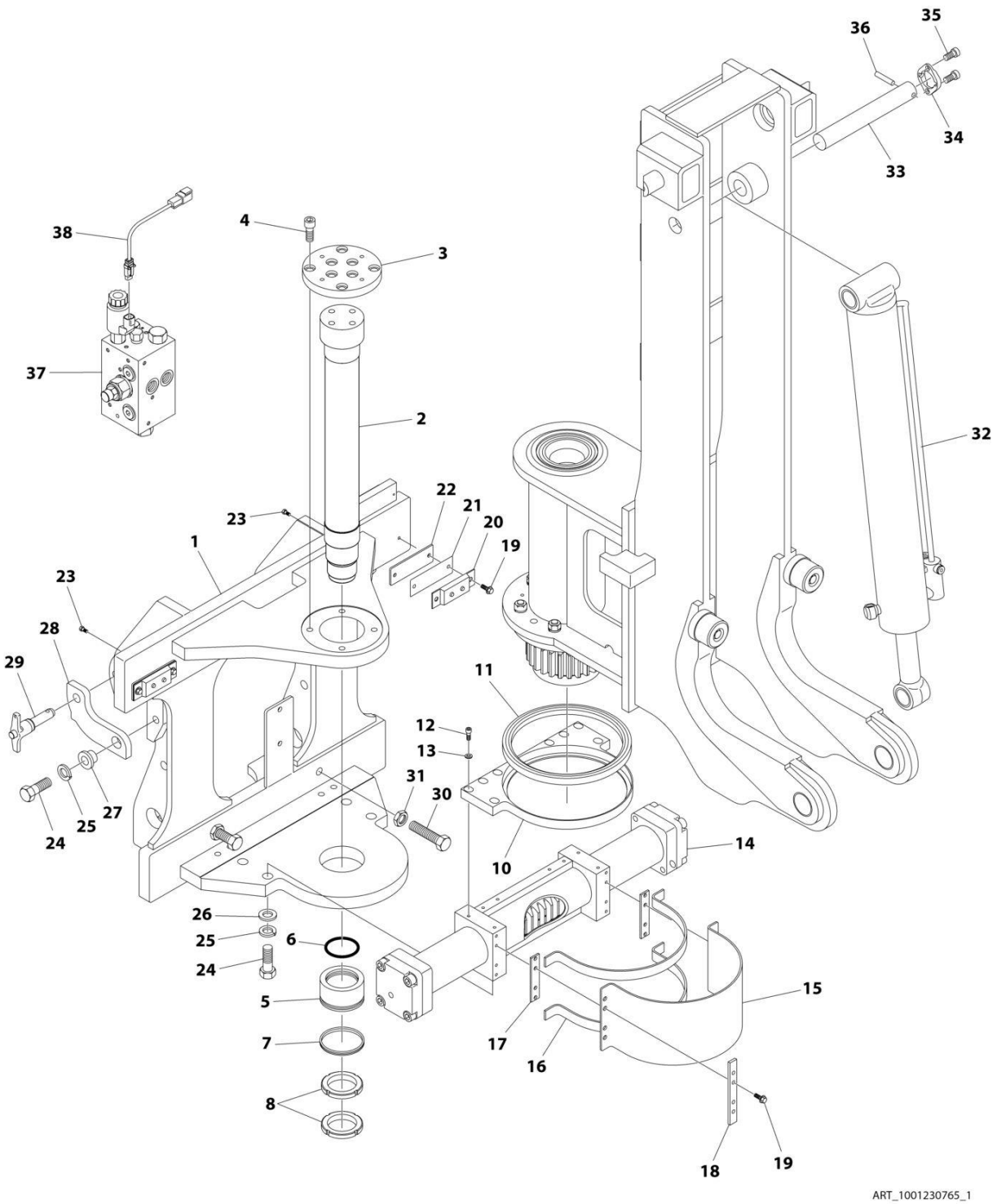


FIGURE 3-24. CARRIAGE ASSEMBLY - DRYWALL SWING (BOARD HANDLER)

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

FIGURE 3-25. CARRIAGE ASSEMBLY - DRYWALL SWING (PIVOT FRAME GROUP)

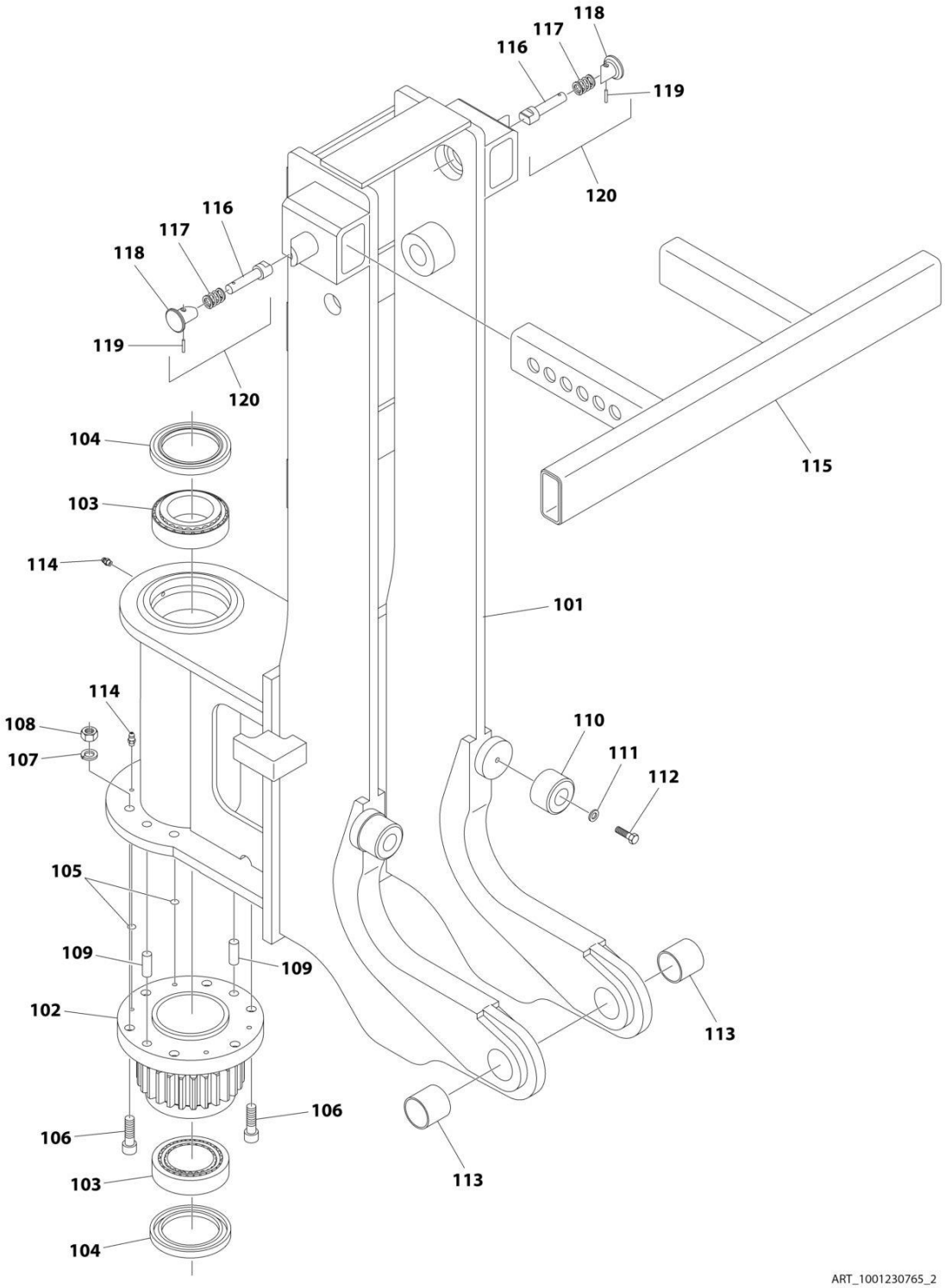


FIGURE 3-25. CARRIAGE ASSEMBLY - DRYWALL SWING (PIVOT FRAME GROUP)

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

FIGURE 3-26. CARRIAGE ASSEMBLY - DRYWALL SWING (CYLINDER)

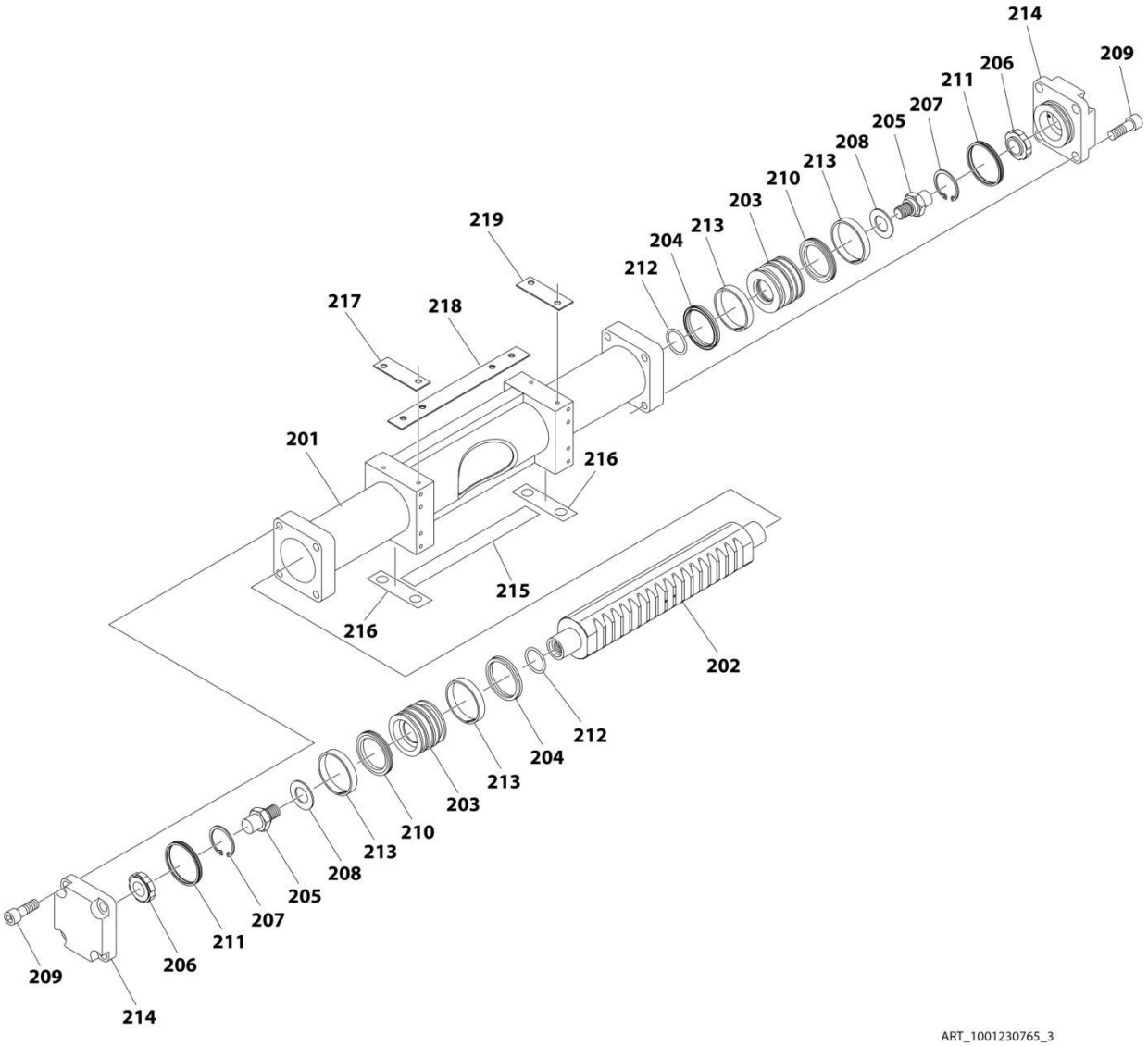


FIGURE 3-26. CARRIAGE ASSEMBLY - DRYWALL SWING (CYLINDER)

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

FIGURE 3-27. CARRIAGE ASSEMBLY - DRYWALL SWING (HYDRAULIC GROUP)

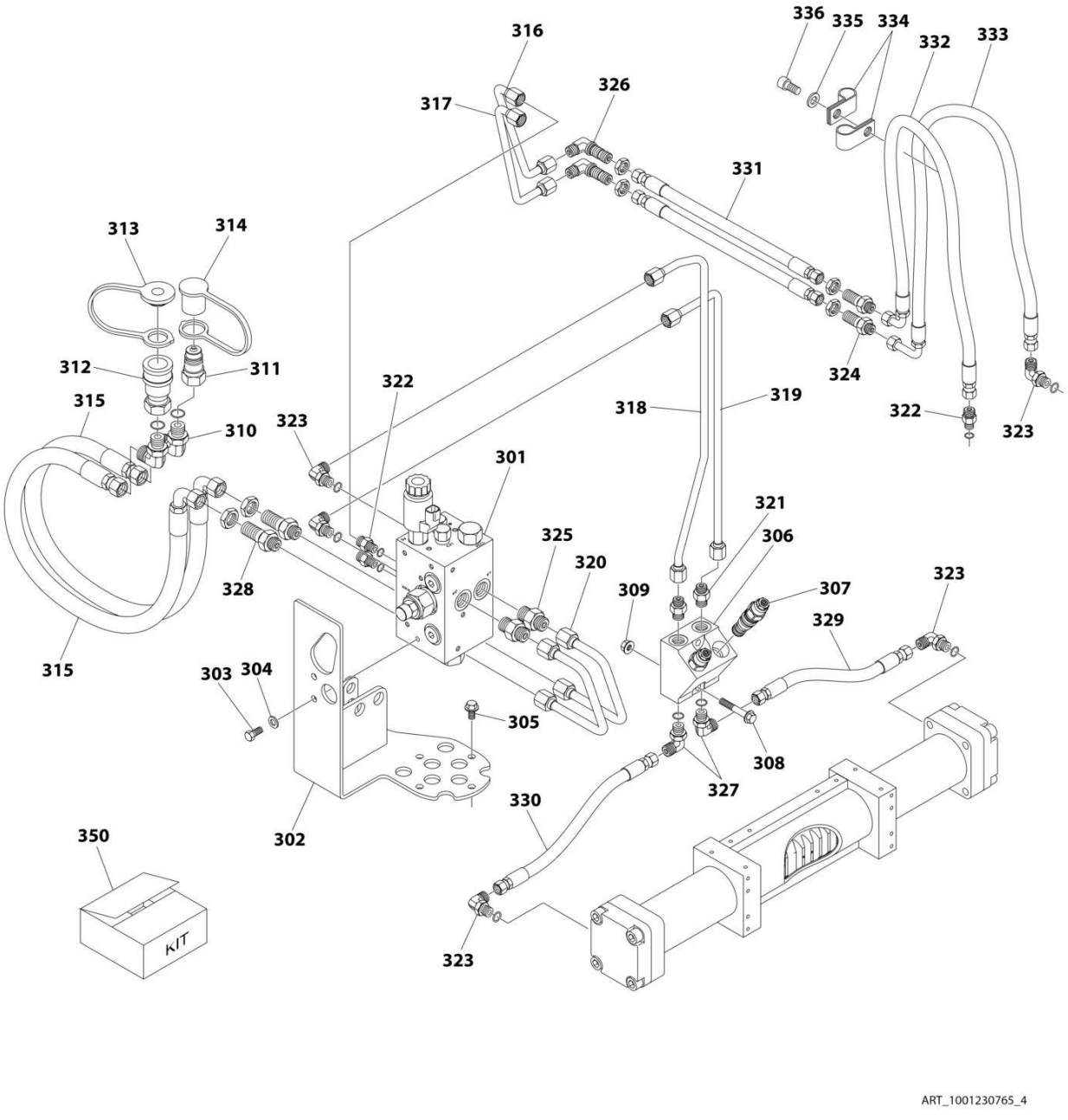


FIGURE 3-27. CARRIAGE ASSEMBLY - DRYWALL SWING (HYDRAULIC GROUP)

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

FIGURE 3-28. CARRIAGE ASSEMBLY - DRYWALL SWING (VALVE ASSEMBLY)

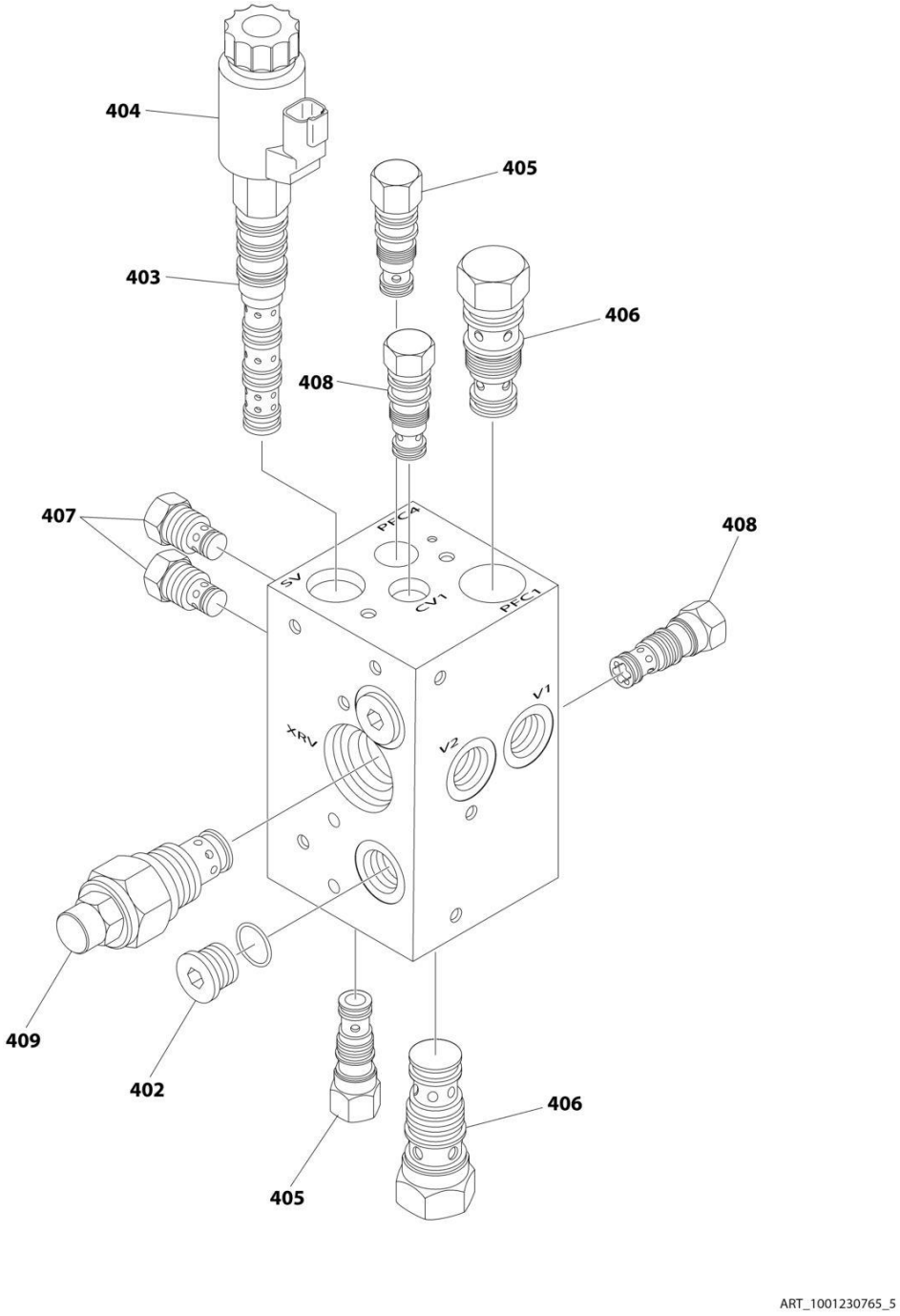


FIGURE 3-28. CARRIAGE ASSEMBLY - DRYWALL SWING (VALVE ASSEMBLY)

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

FIGURE 3-29. CARRIAGE ASSEMBLY - DRYWALL SWING (CYLINDER)

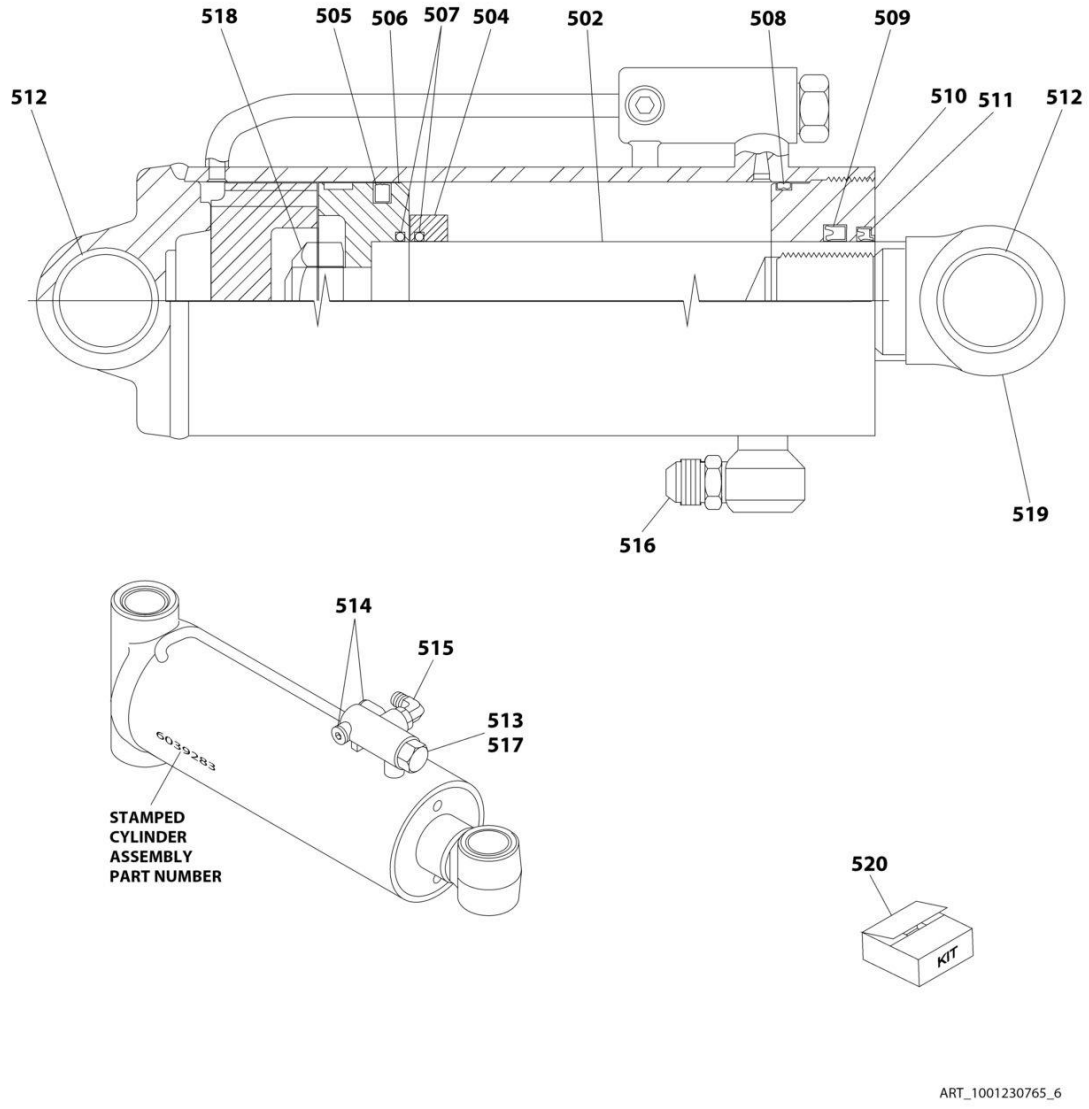


FIGURE 3-29. CARRIAGE ASSEMBLY - DRYWALL SWING (CYLINDER)

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

FIGURE 3-30. CARRIAGE ASSEMBLY - DRYWALL SWING FORK GROUP

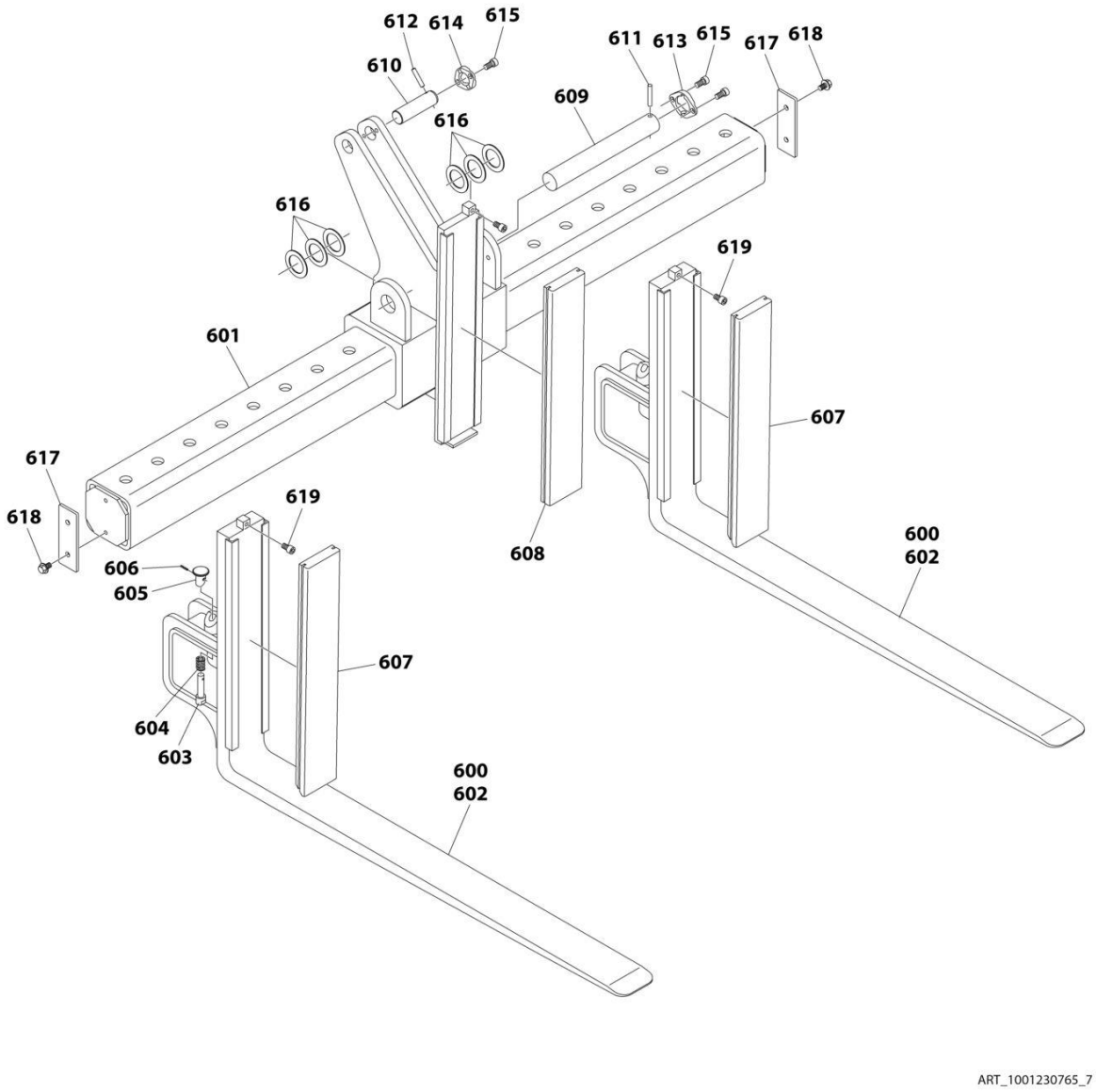


FIGURE 3-30. CARRIAGE ASSEMBLY - DRYWALL SWING FORK GROUP

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

FIGURE 3-31. CARRIAGE - FORK POSITIONING (4.5 TON)

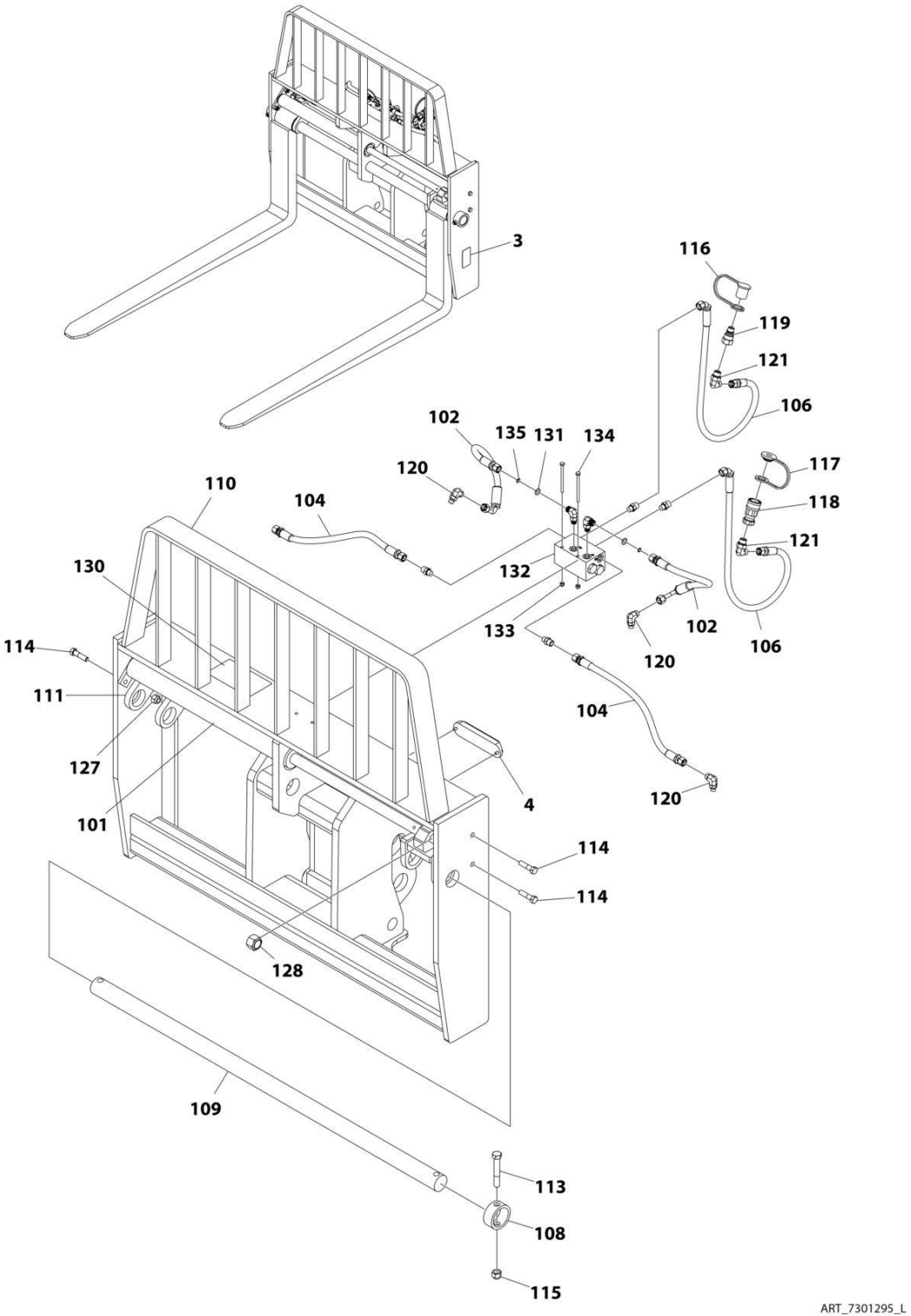


FIGURE 3-31. CARRIAGE - FORK POSITIONING (4.5 TON)

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

FIGURE 3-32. CARRIAGE - FORK POSITIONING VALVE ASSEMBLY

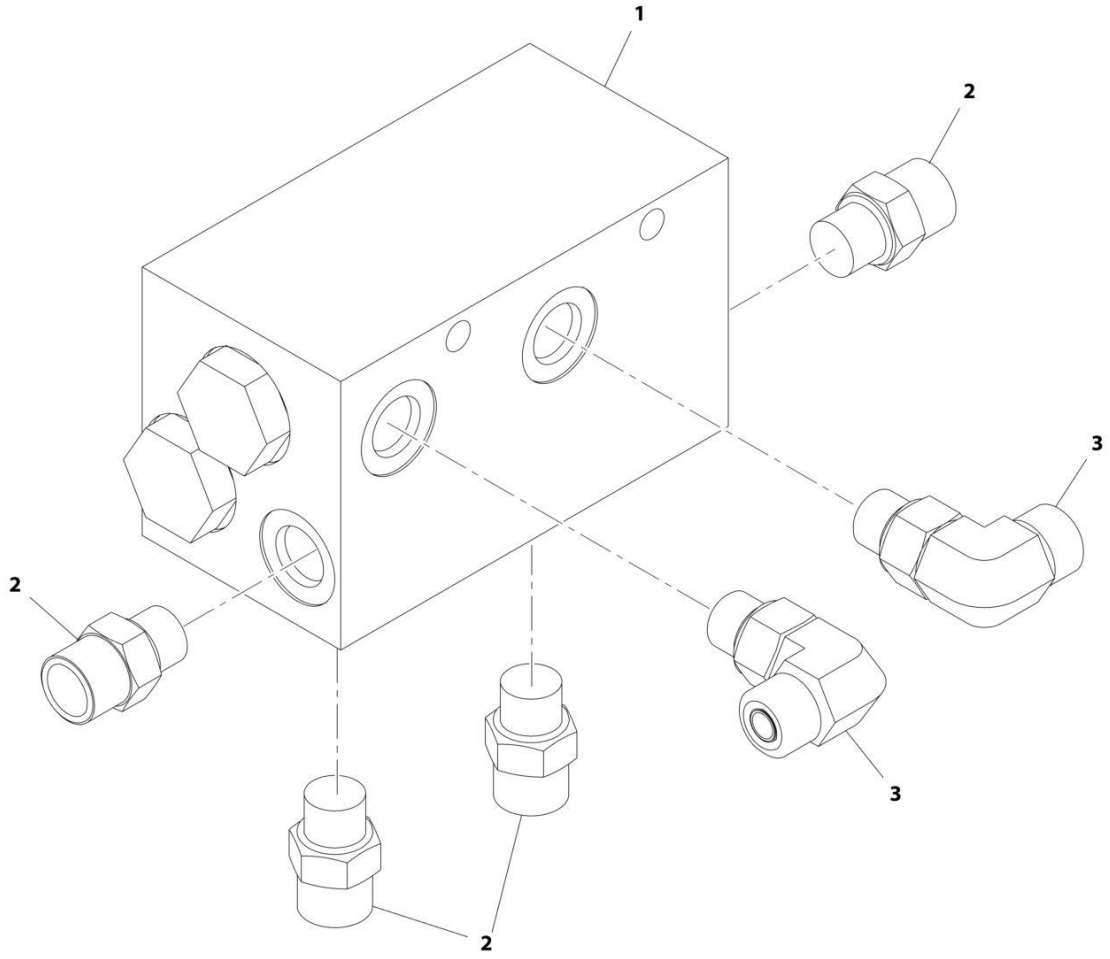


FIGURE 3-32. CARRIAGE - FORK POSITIONING VALVE ASSEMBLY

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

FIGURE 3-33. VALVE - CARRIAGE DUAL FORK FLOW DIVIDER

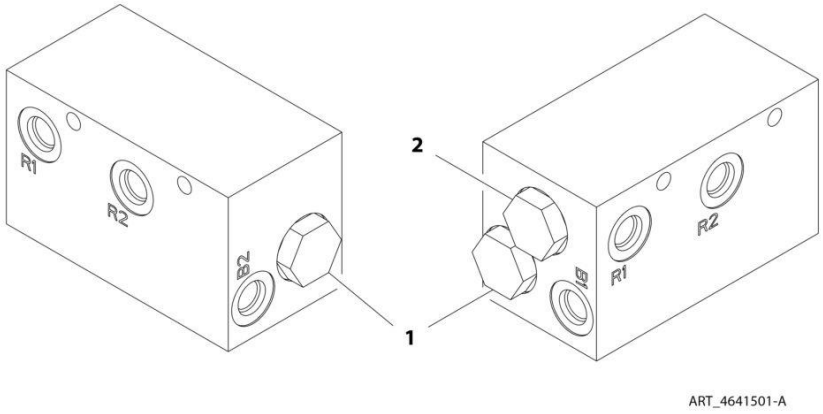


FIGURE 3-33. VALVE - CARRIAGE DUAL FORK FLOW DIVIDER

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

FIGURE 3-34. COUPLER MOUNTED HOOK

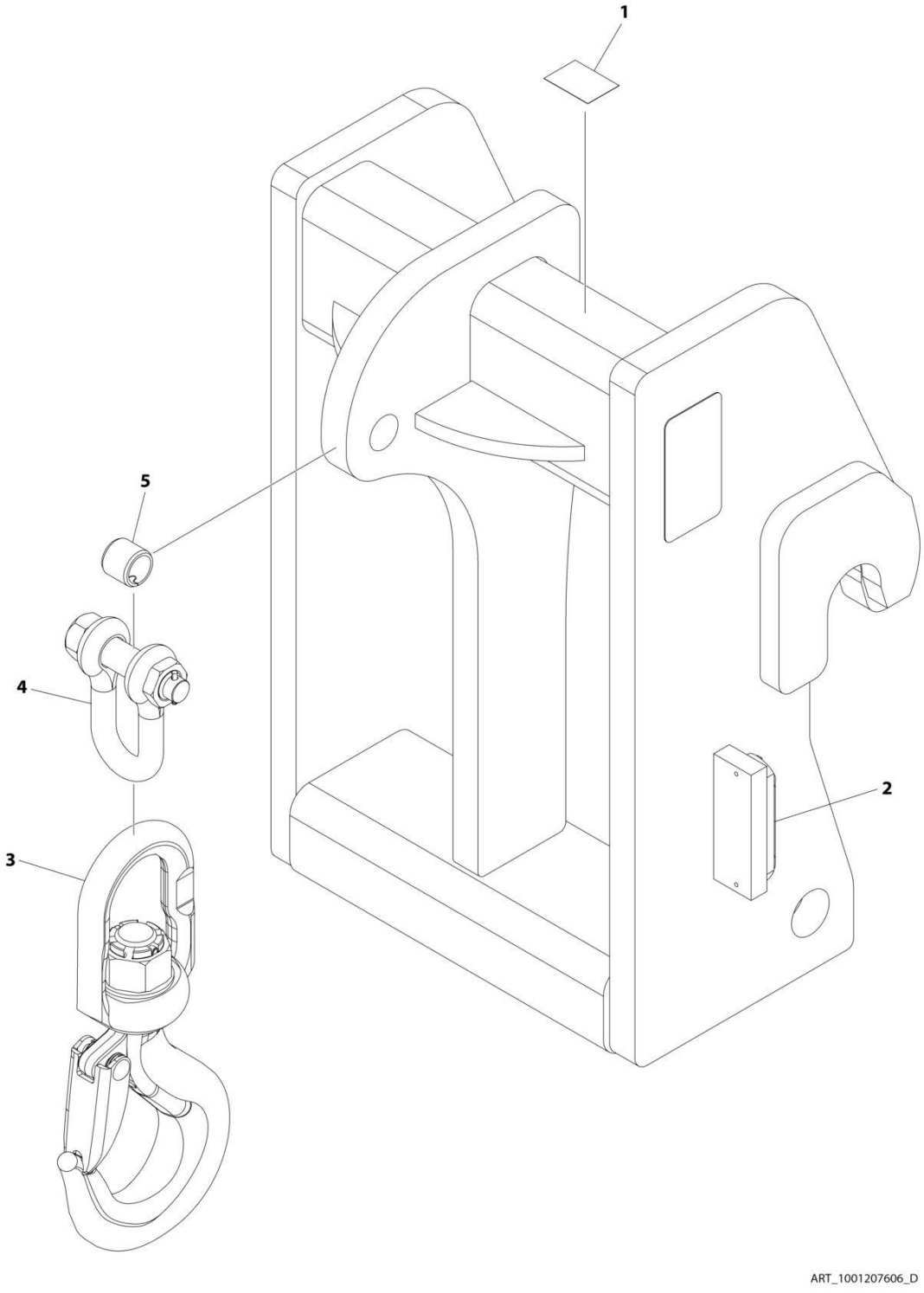


FIGURE 3-34. COUPLER MOUNTED HOOK

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

FIGURE 3-35. HOOK - 4 TON (FORK MOUNTED)

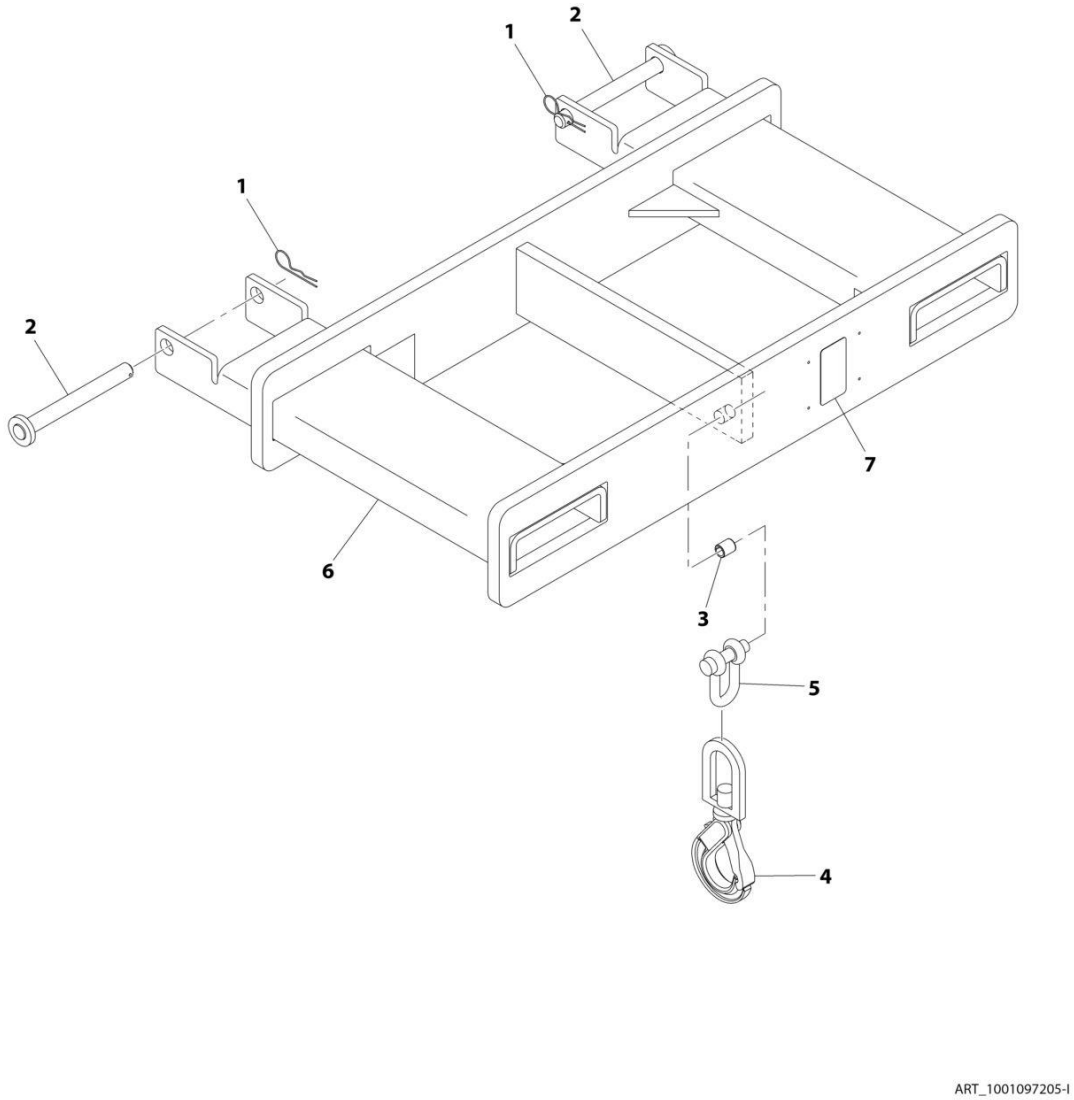


FIGURE 3-35. HOOK - 4 TON (FORK MOUNTED)

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 3-36. FORK - CUBING (2.00X2X48)

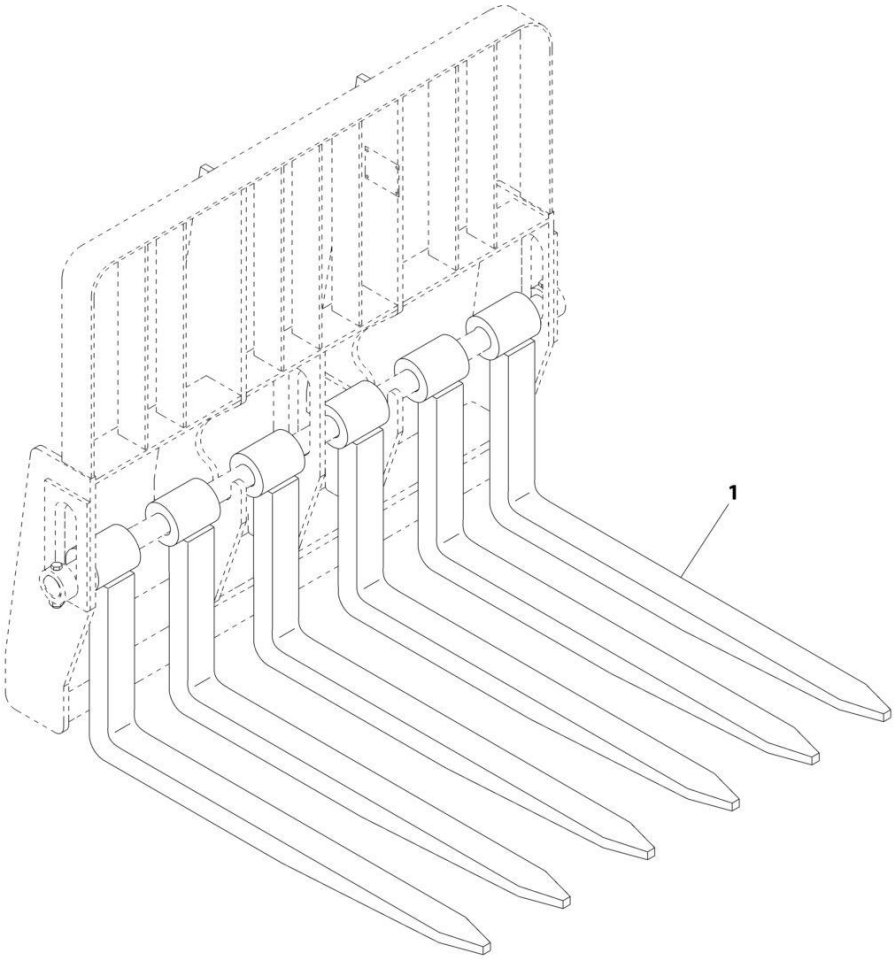


FIGURE 3-36. FORK - CUBING (2.00X2X48)

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

FIGURE 3-37. FORK - DUAL TAPER (2.00X6X72)

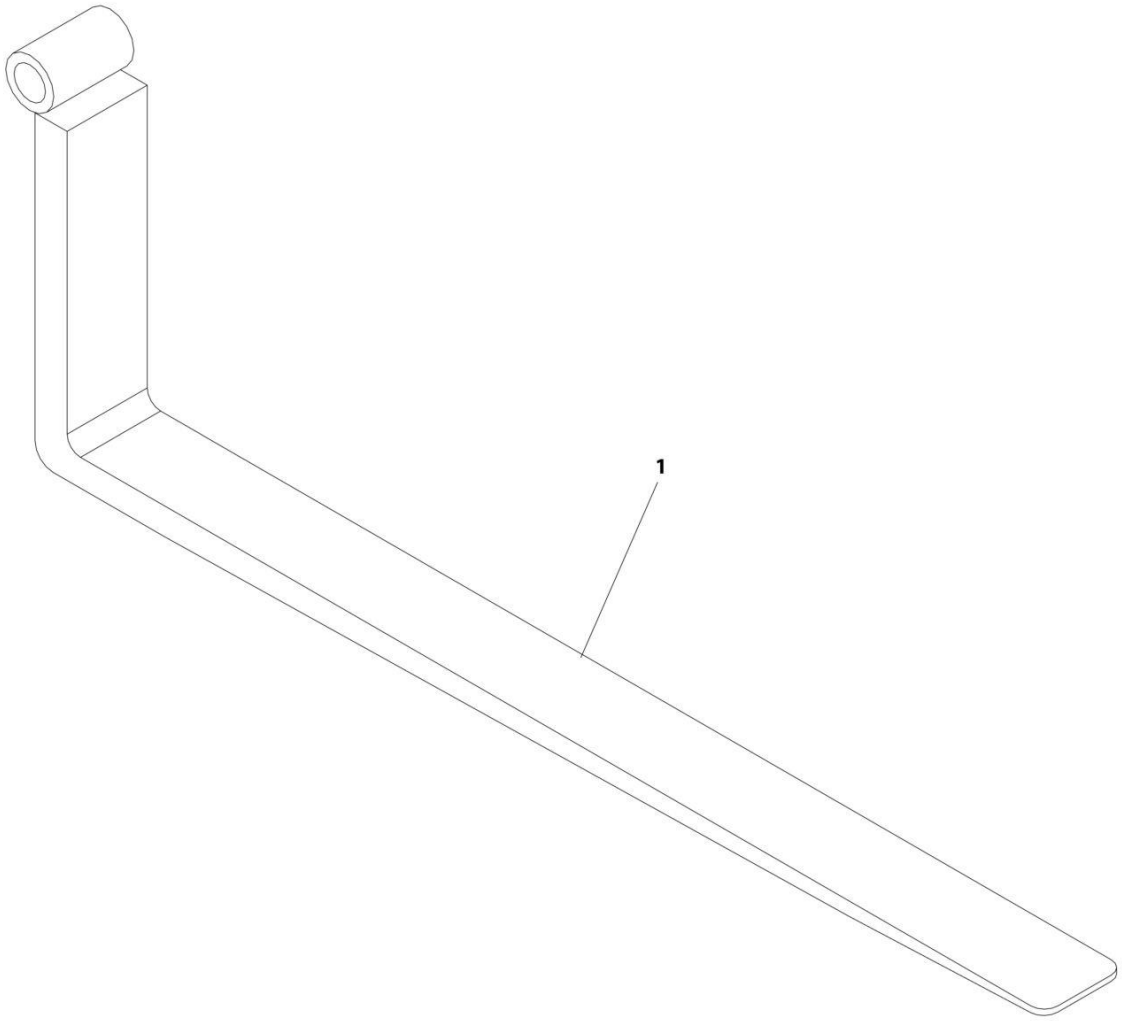
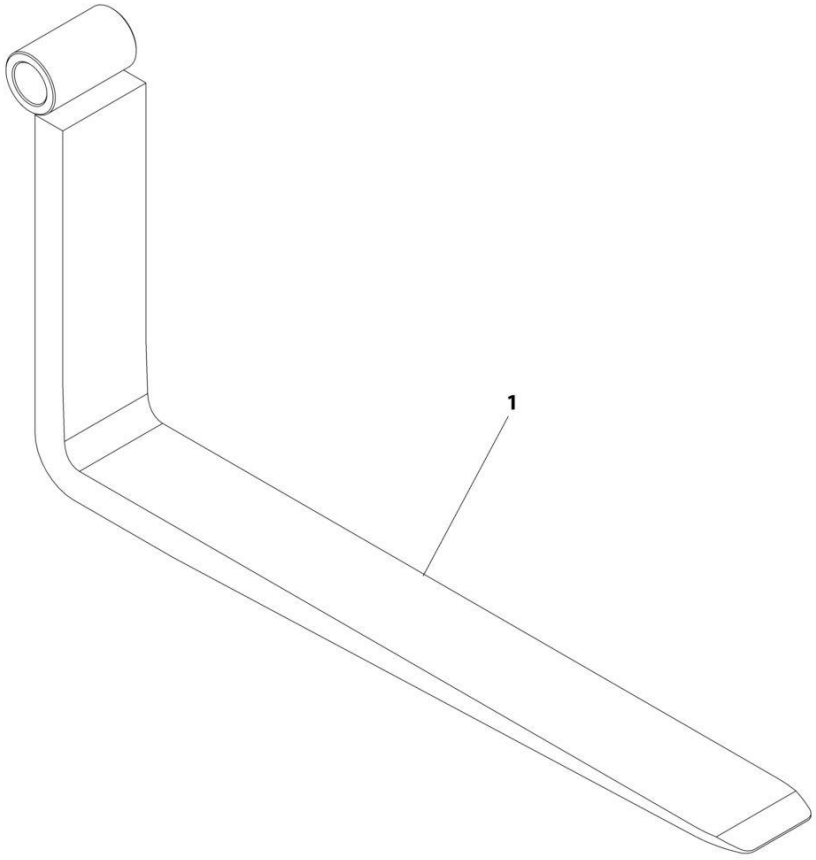


FIGURE 3-37. FORK - DUAL TAPER (2.00X6X72)

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

FIGURE 3-38. FORK - FULL TAPER (50X150X1220MM)



ART_1001258605

FIGURE 3-38. FORK - FULL TAPER (50X150X1220MM)

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

FIGURE 3-39. FORK - LUMBER (1.5X6X60)

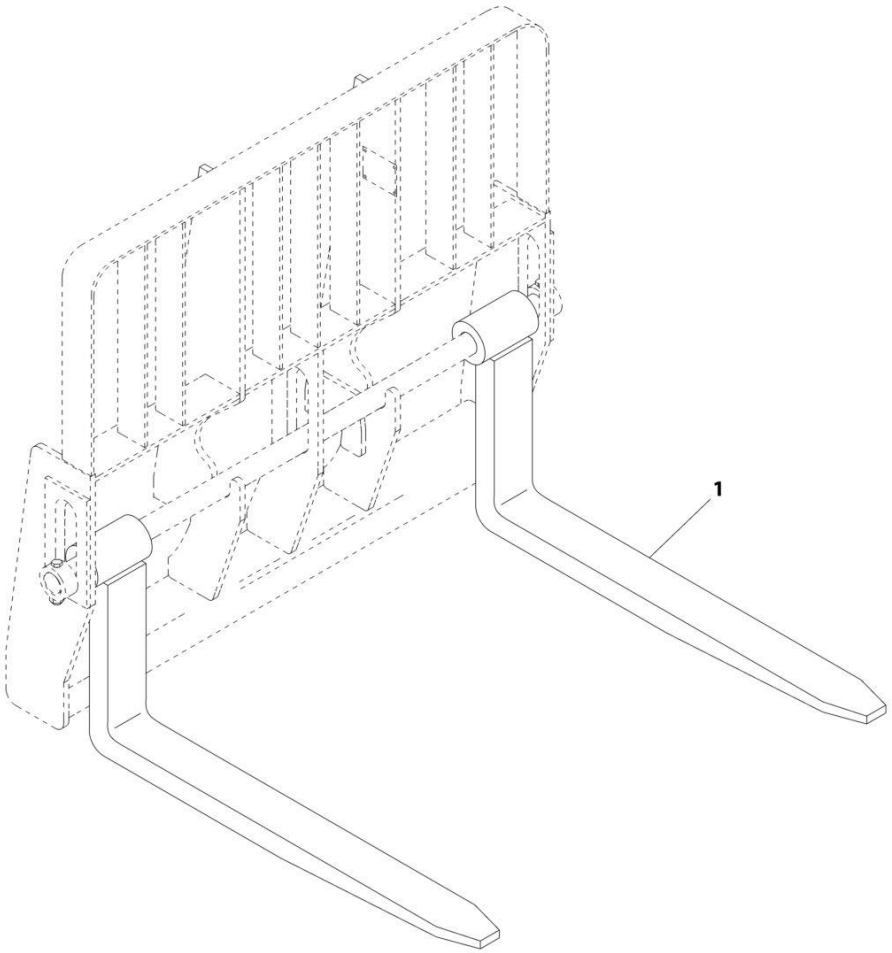


FIGURE 3-39. FORK - LUMBER (1.5X6X60)

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

FIGURE 3-40. FORK - LUMBER (2.00X7X60)

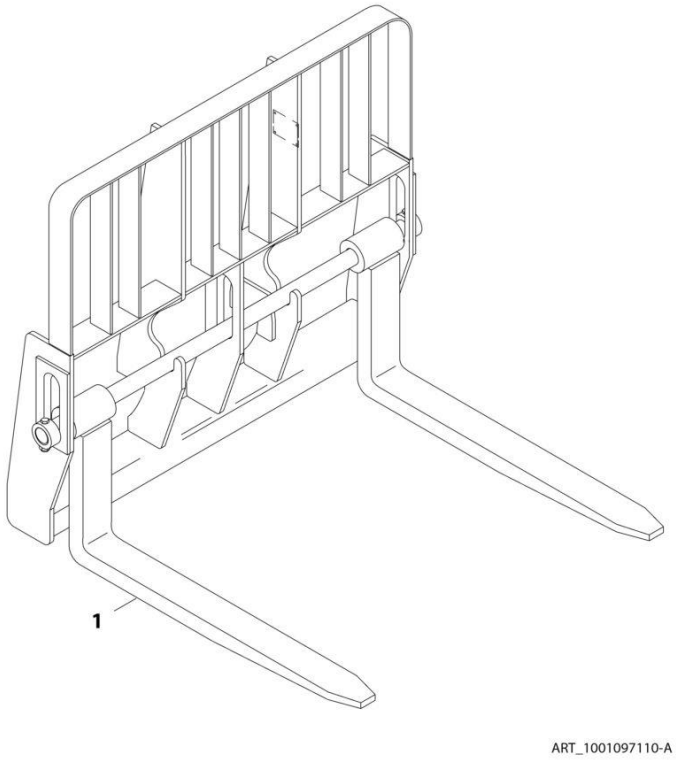


FIGURE 3-40. FORK - LUMBER (2.00X7X60)

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

FIGURE 3-41. FORK - PALLET (2.36X4X48)

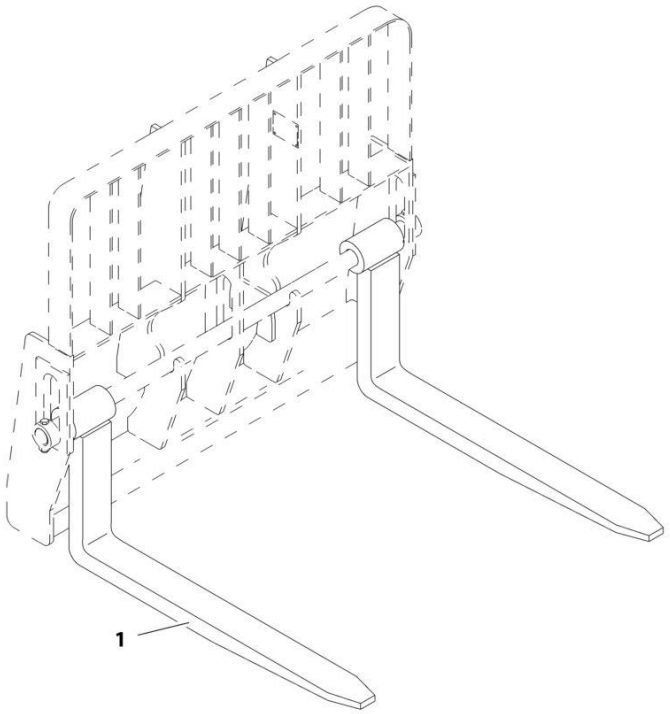


FIGURE 3-41. FORK - PALLET (2.36X4X48)

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

FIGURE 3-42. FORK - PALLET (2.36X5X48)

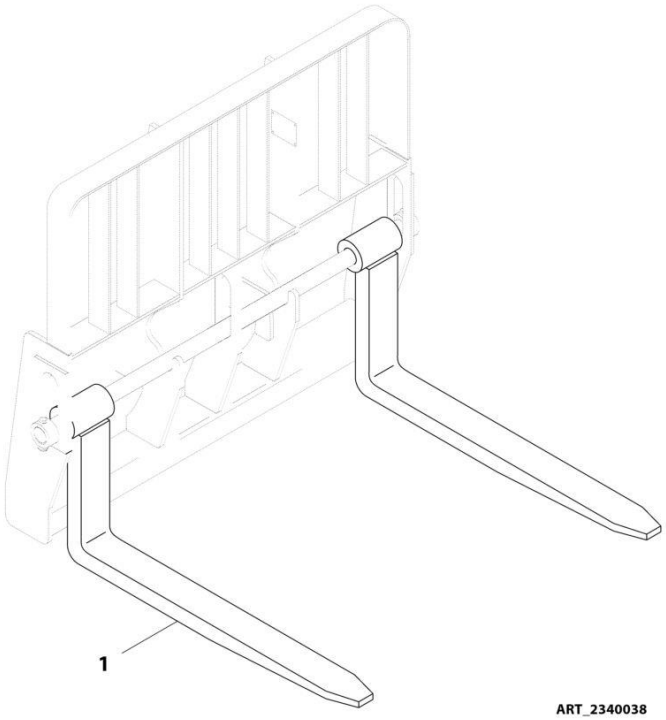


FIGURE 3-42. FORK - PALLET (2.36X5X48)

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

FIGURE 3-43. FORK - PALLET (2.36X4X48)

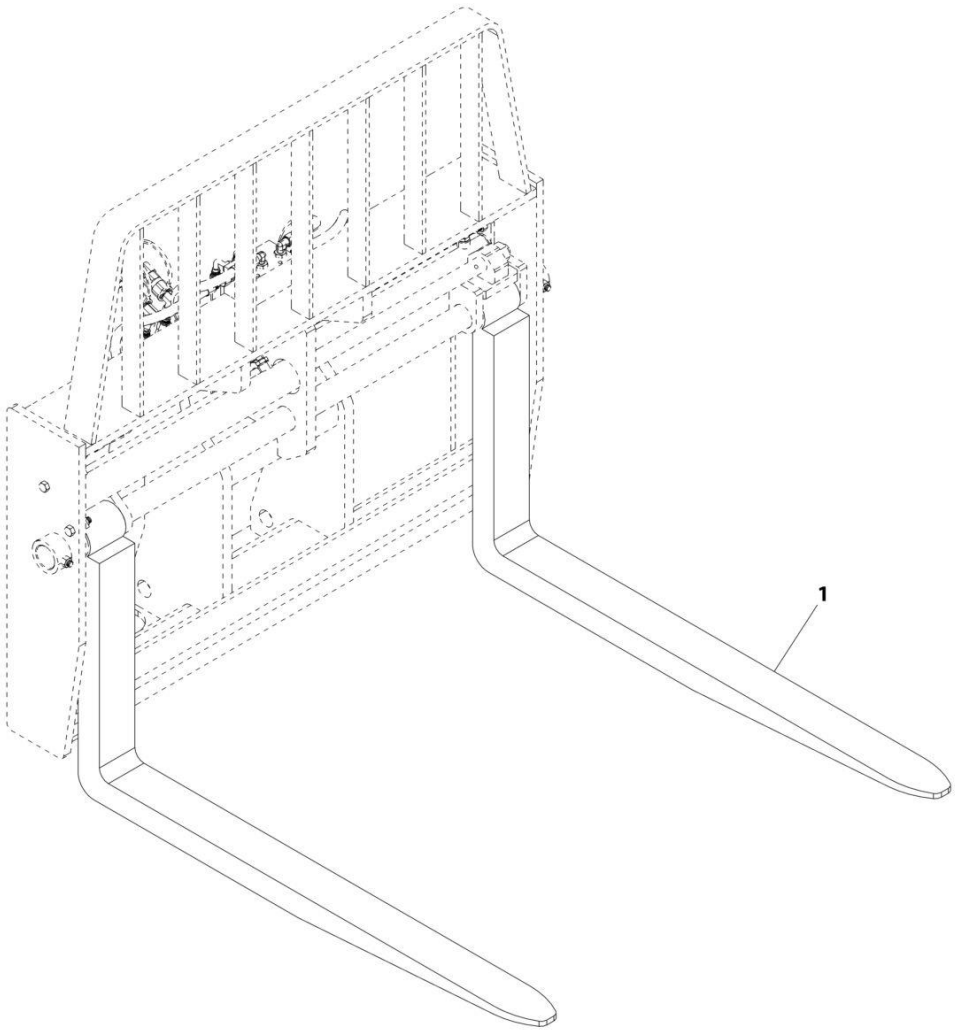


FIGURE 3-43. FORK - PALLET (2.36X4X48)

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

FIGURE 3-44. FORK - PALLET (2.36X4X60)

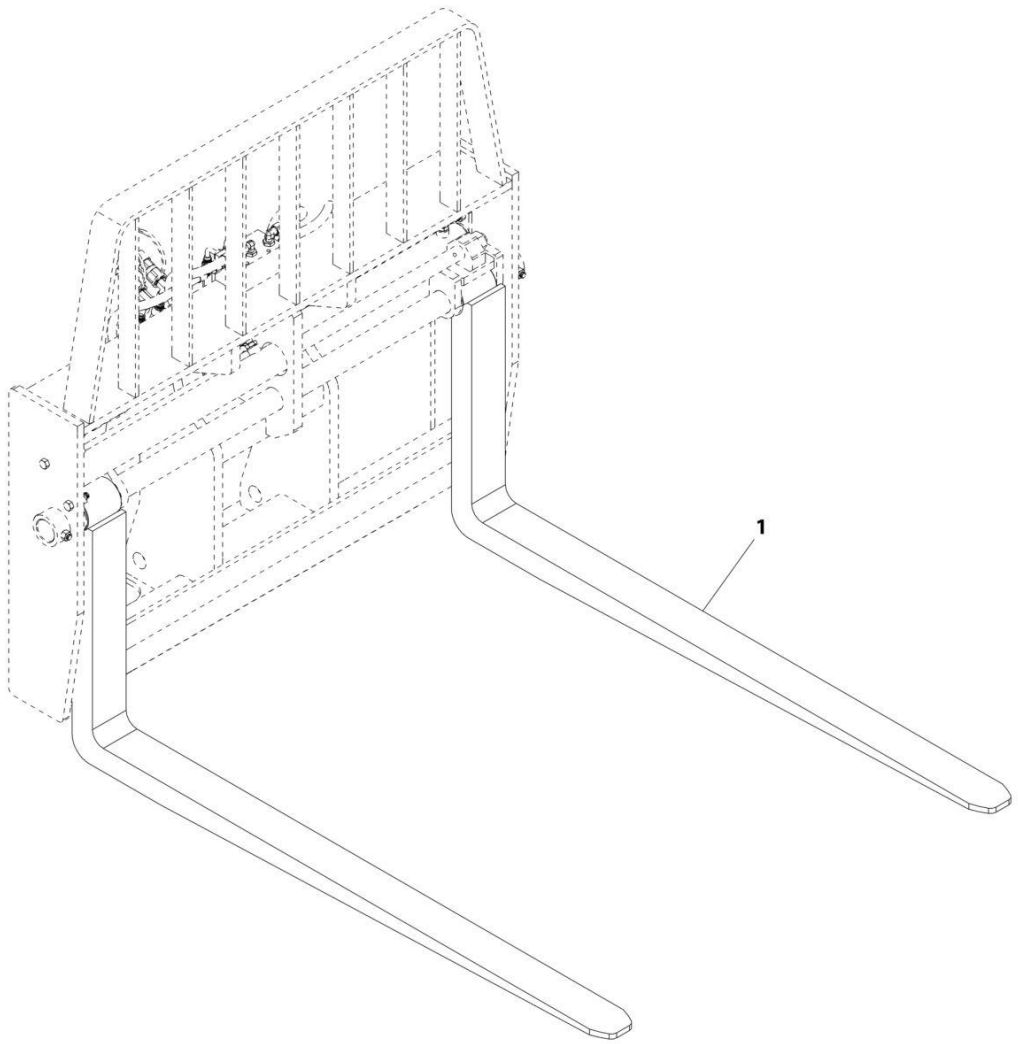


FIGURE 3-44. FORK - PALLET (2.36X4X60)

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

FIGURE 3-45. FORK - PALLET (2.36X5X72)

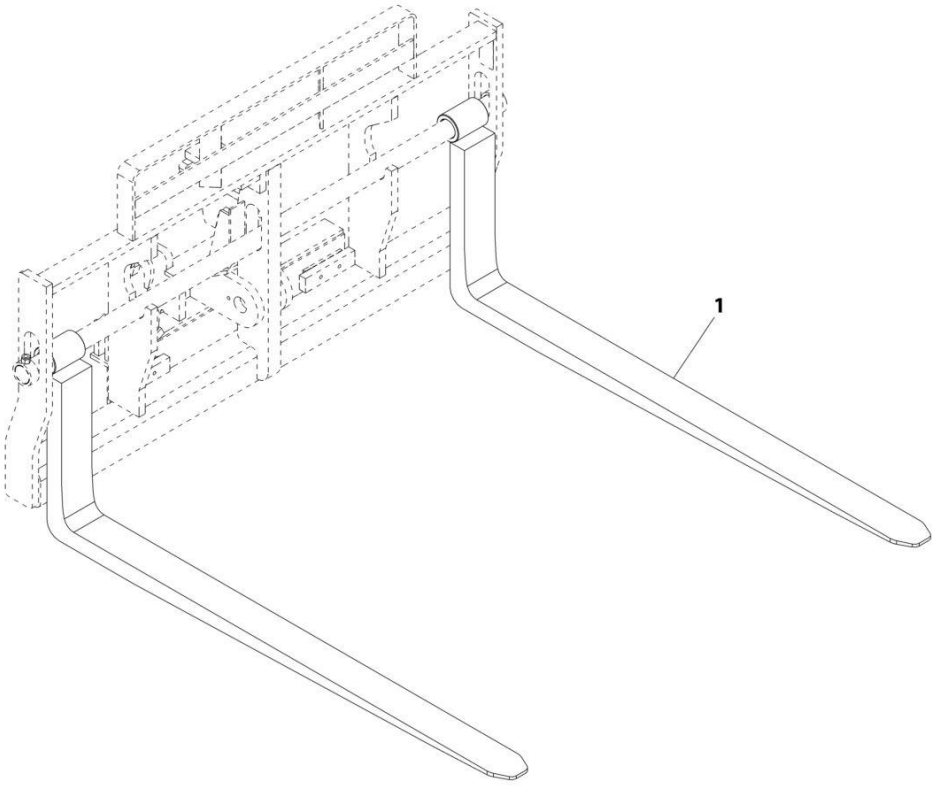


FIGURE 3-45. FORK - PALLET (2.36X5X72)

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

FIGURE 3-46. FORK - PALLET (2.36X5X60)

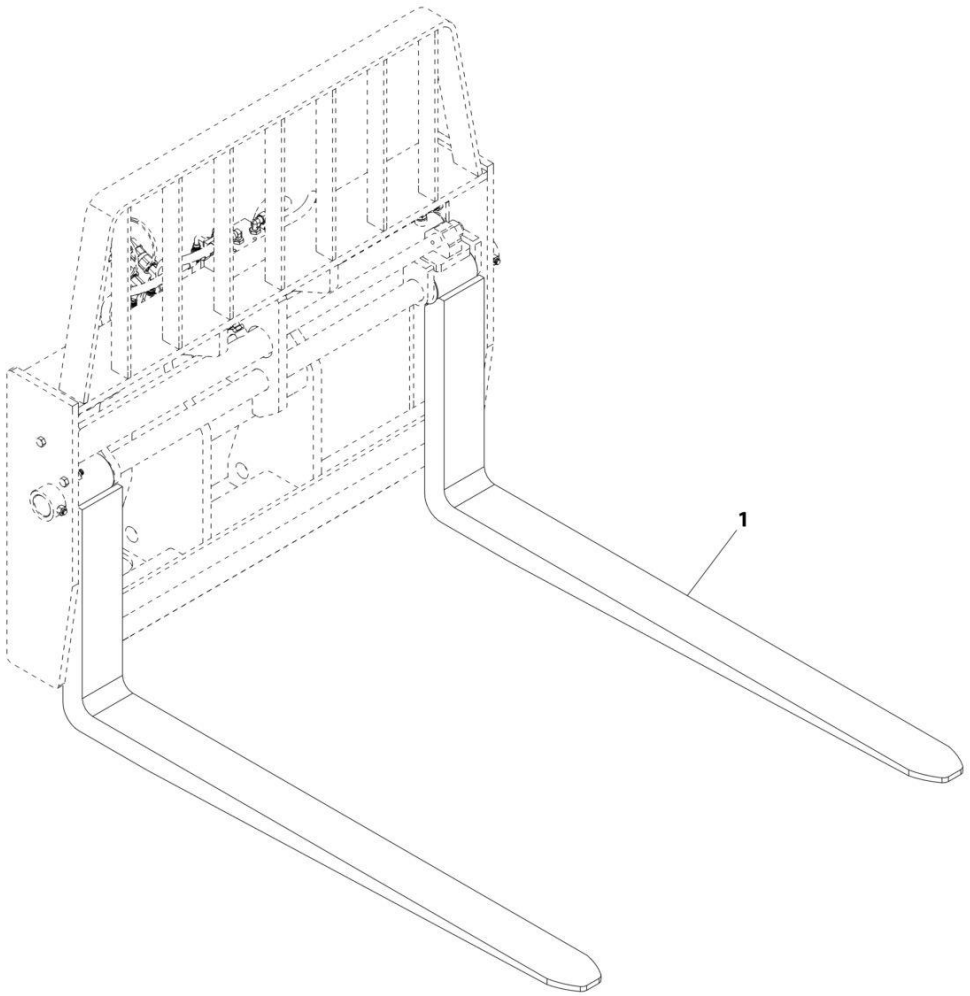


FIGURE 3-46. FORK - PALLET (2.36X5X60)

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

FIGURE 3-47. FORK - PALLET (2.36X6X60)

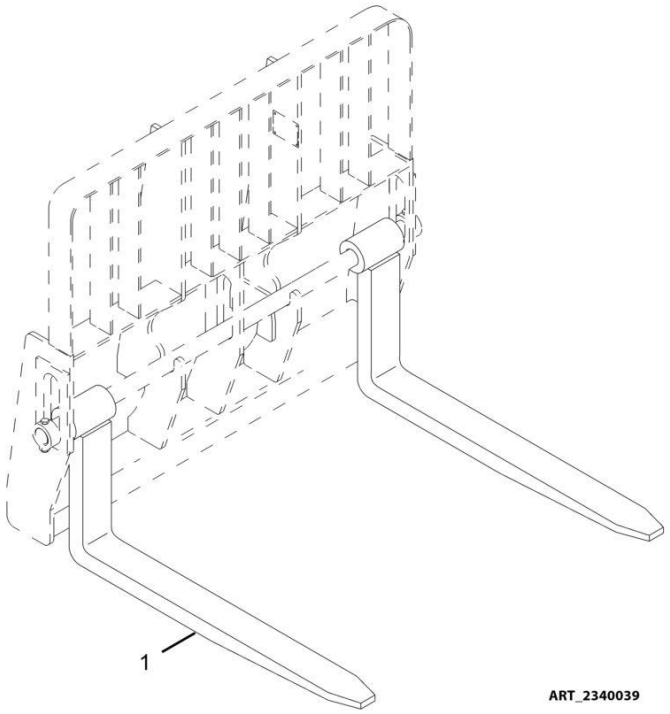


FIGURE 3-47. FORK - PALLET (2.36X6X60)

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

FIGURE 3-48. FORK CLAMPS INSTALLATION

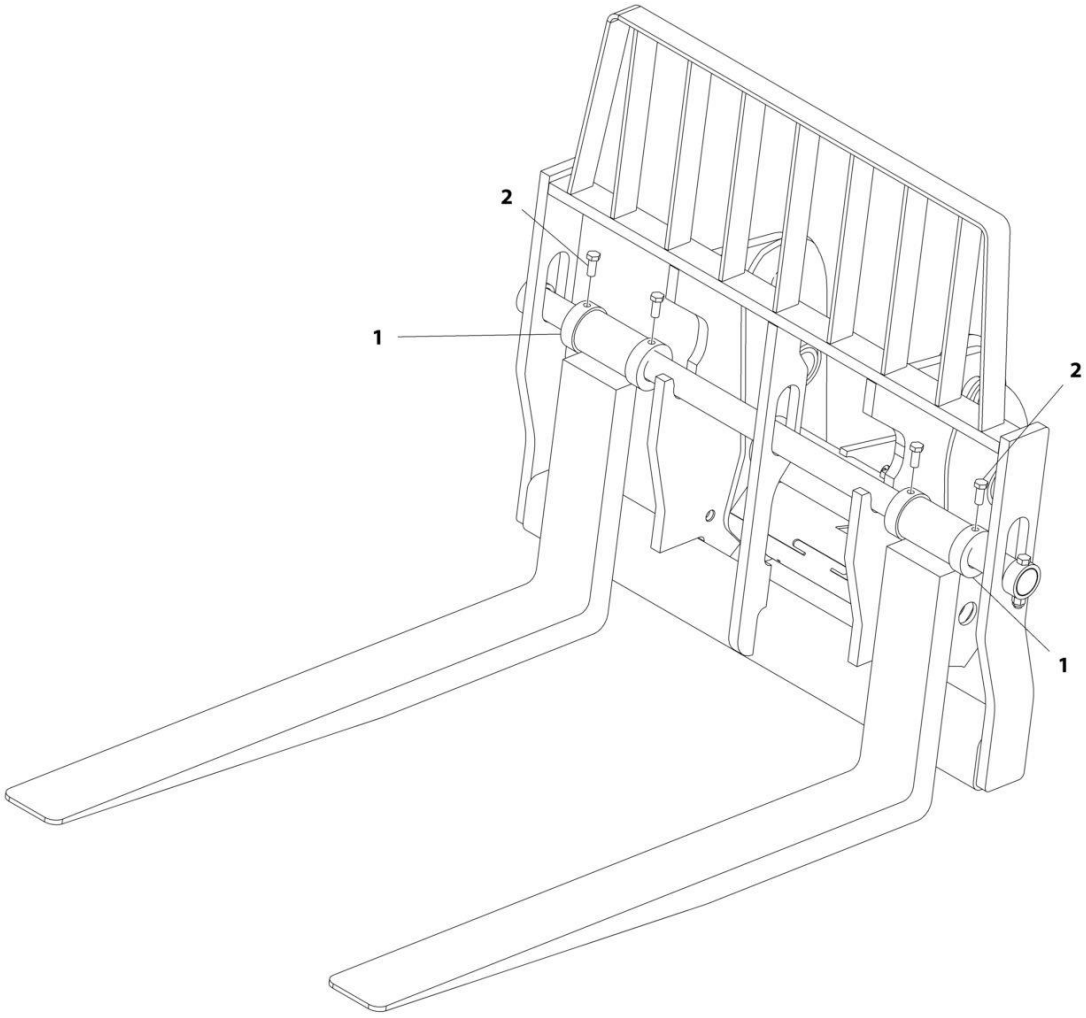


FIGURE 3-48. FORK CLAMPS INSTALLATION

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

FIGURE 3-49. FORK EXTENSIONS (62X163X2286)

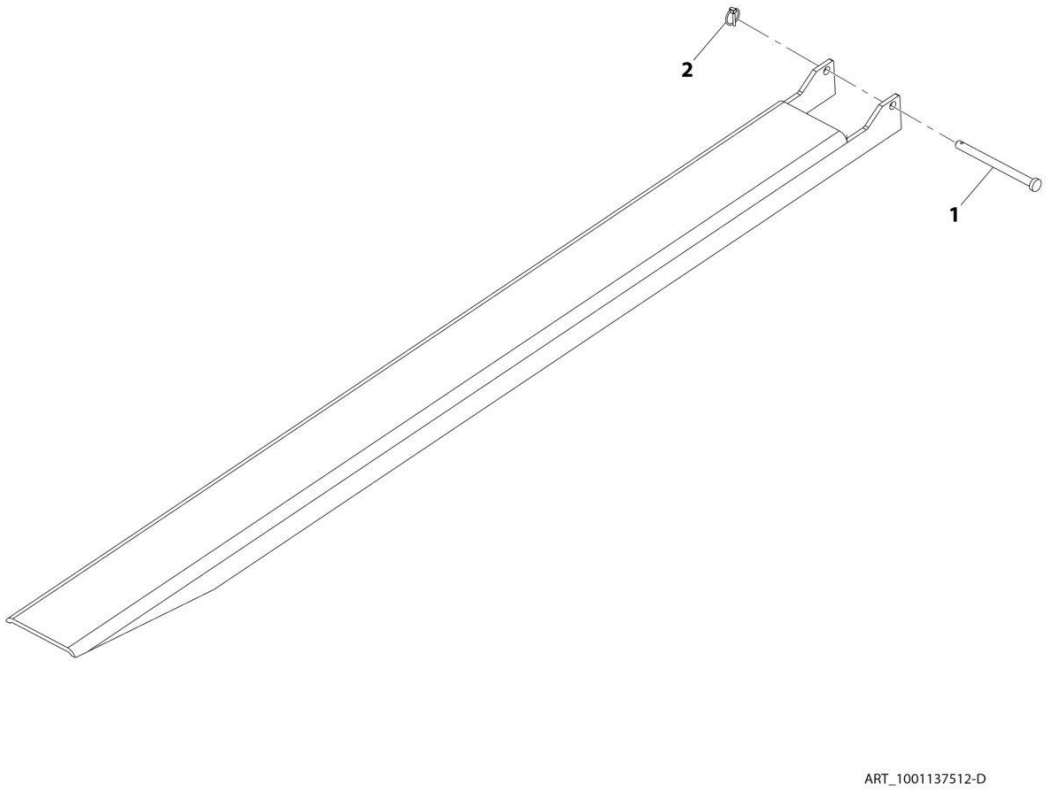


FIGURE 3-49. FORK EXTENSIONS (62X163X2286)

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

FIGURE 3-50. TRASH HOPPER INSTALLATION

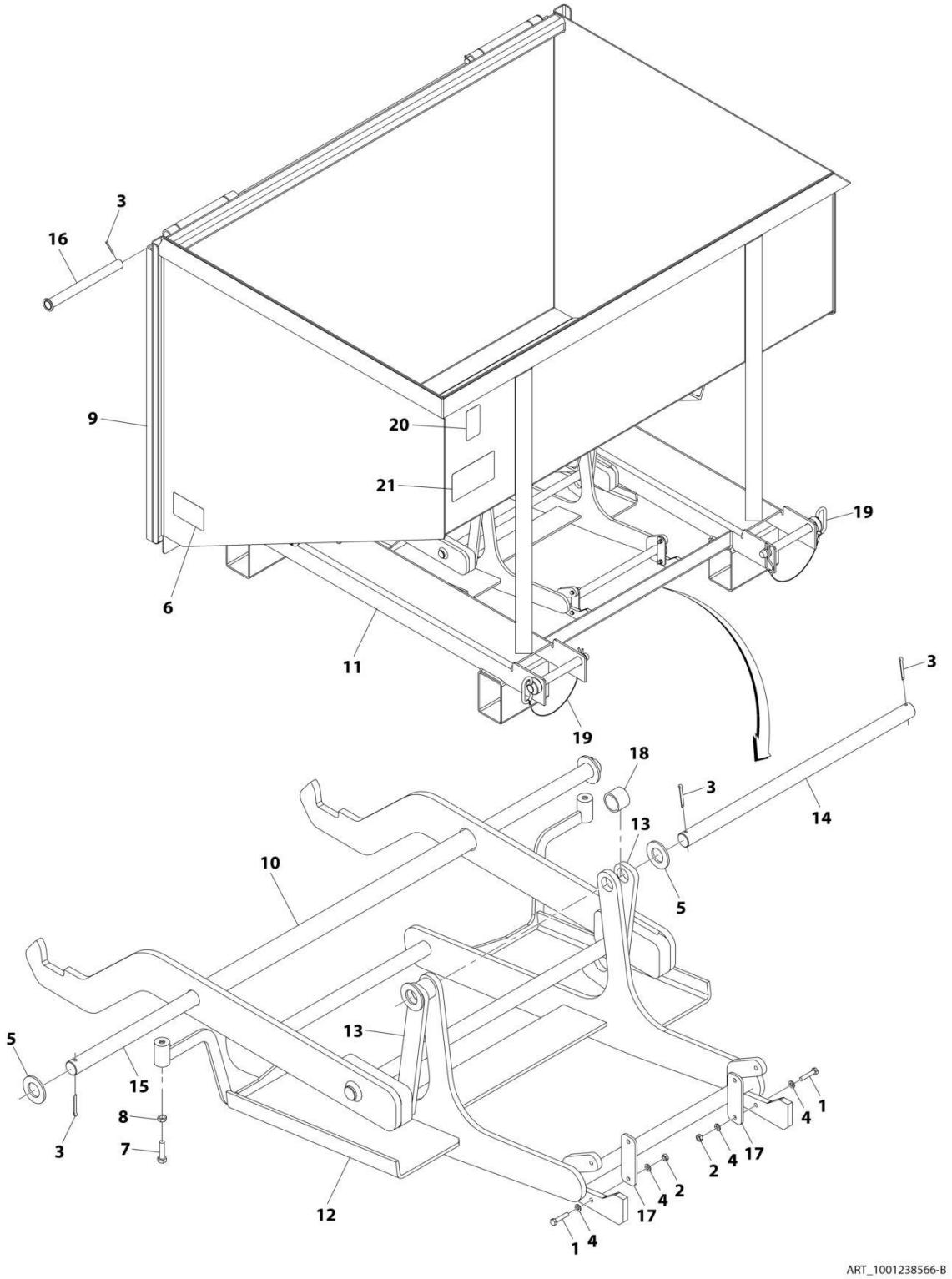


FIGURE 3-50. TRASH HOPPER INSTALLATION

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 3-51. TRUSS BOOM - 3 FOOT WITH WINCH

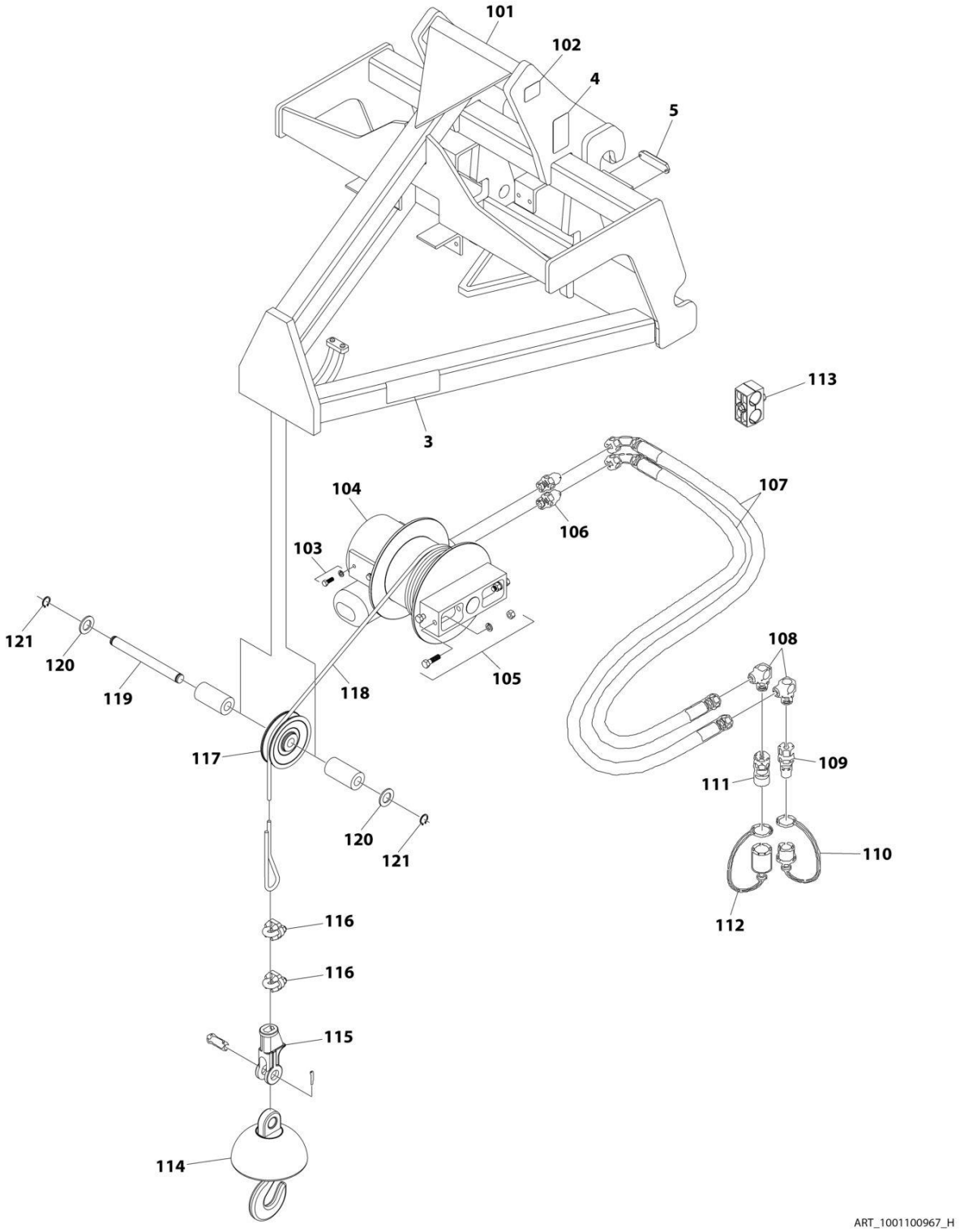


FIGURE 3-51. TRUSS BOOM - 3 FOOT WITH WINCH

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

FIGURE 3-52. TRUSS BOOM - 12 FOOT WITH WINCH

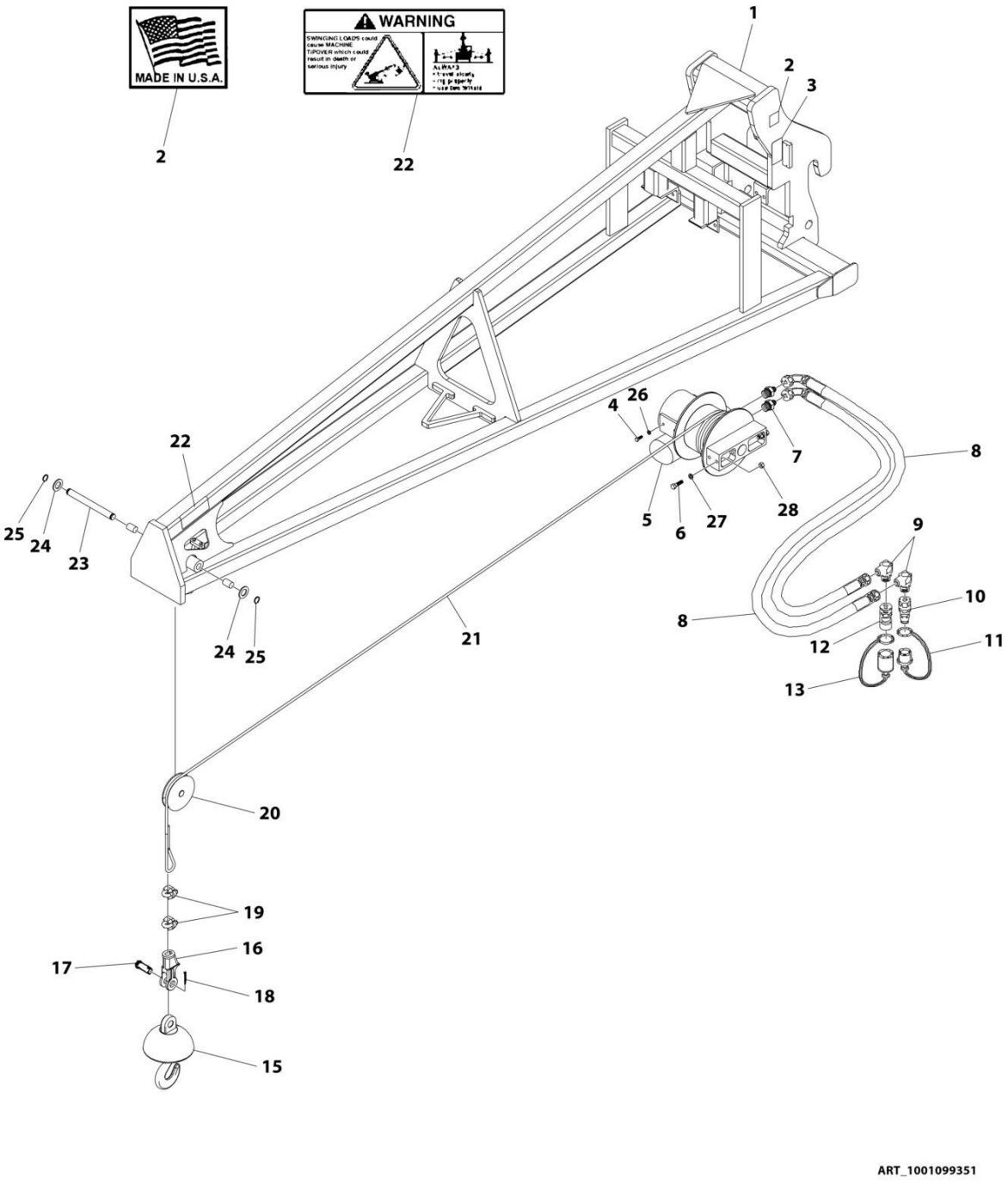


FIGURE 3-52. TRUSS BOOM - 12 FOOT WITH WINCH

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

FIGURE 3-53. TRUSS BOOM - 12 FOOT WITHOUT WINCH (Prior to SN 0160116807)

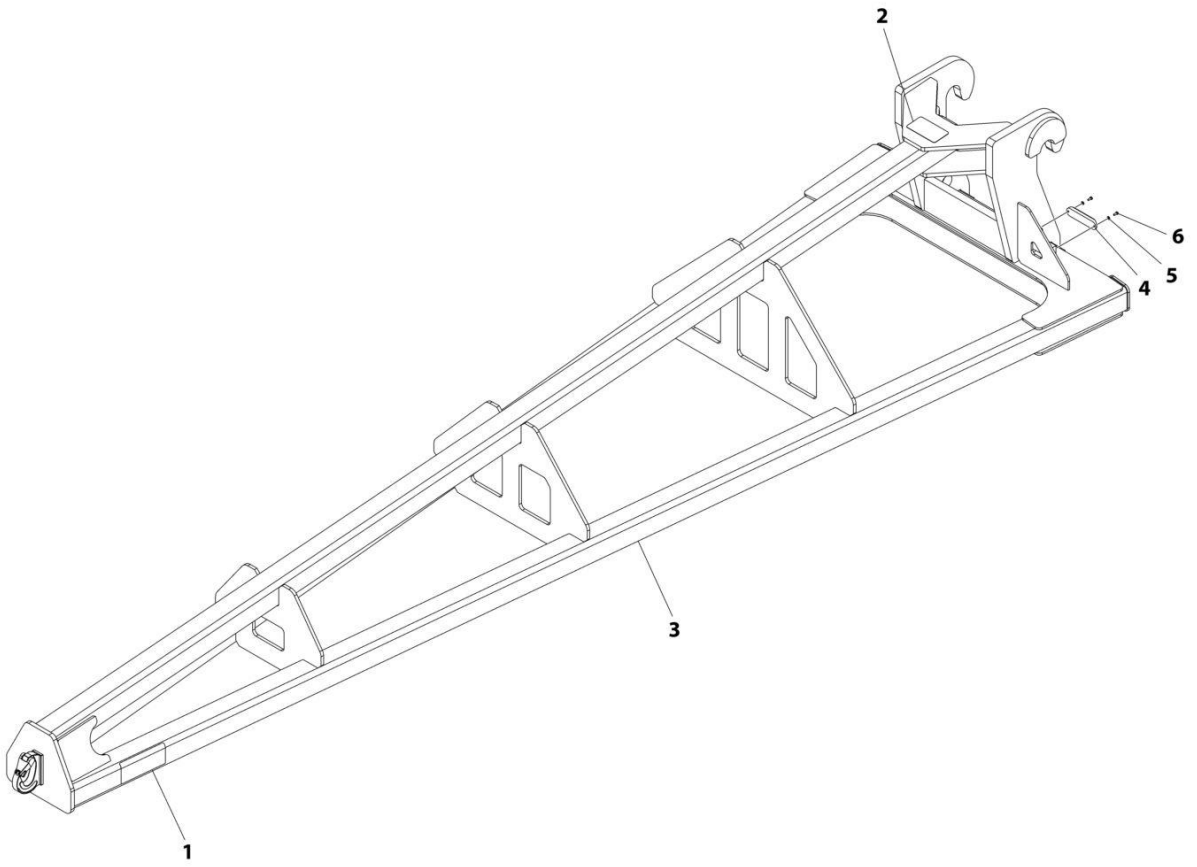


FIGURE 3-53. TRUSS BOOM - 12 FOOT WITHOUT WINCH (Prior to SN 0160116807)

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

FIGURE 3-54. TRUSS BOOM - 12 FOOT WITHOUT WINCH (SN 0160116807 to Present)

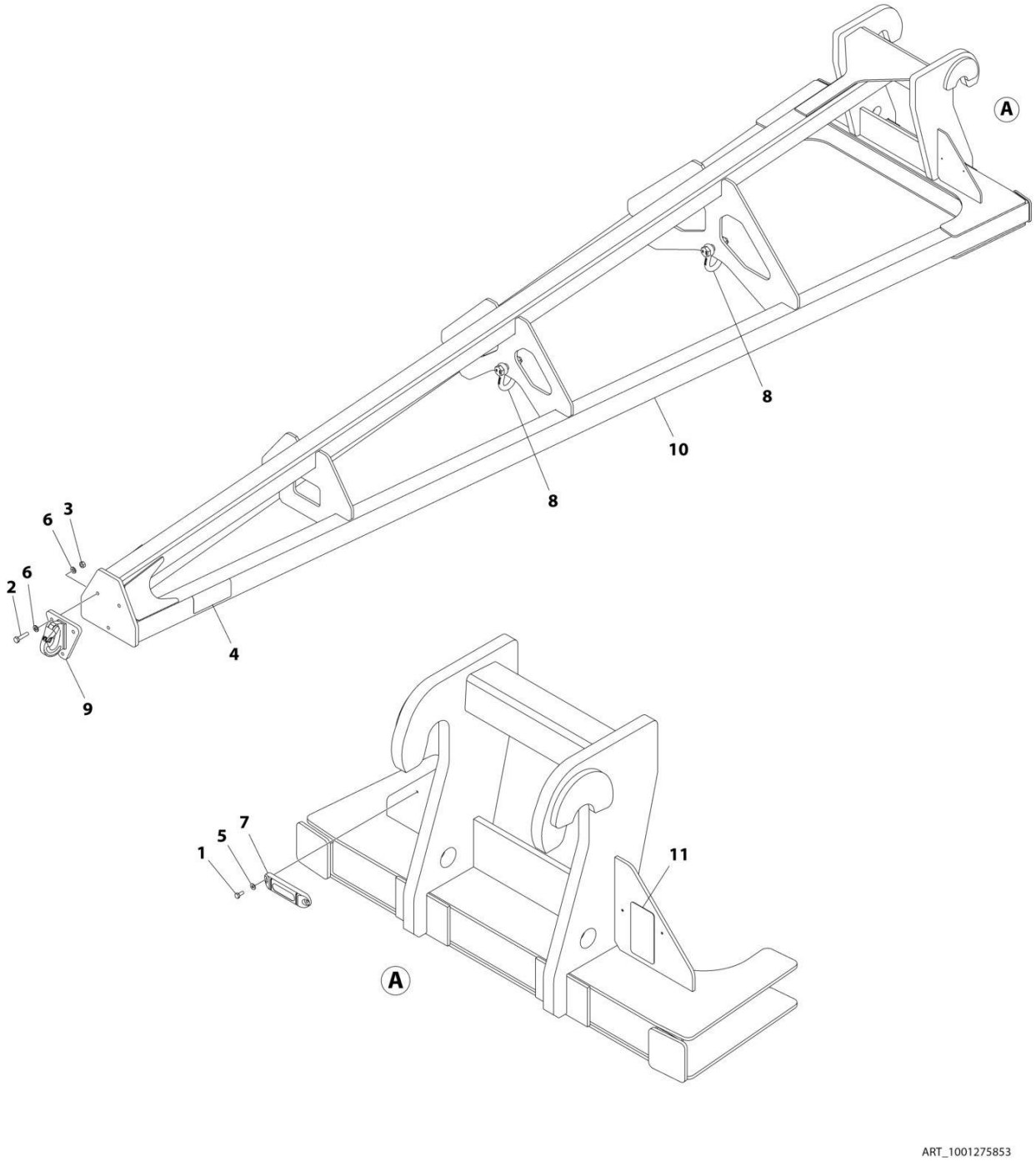


FIGURE 3-54. TRUSS BOOM - 12 FOOT WITHOUT WINCH (SN 0160116807 to Present)

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

FIGURE 3-55. TRUSS BOOM - 15 FOOT WITHOUT WINCH (Prior to SN 0160116807)

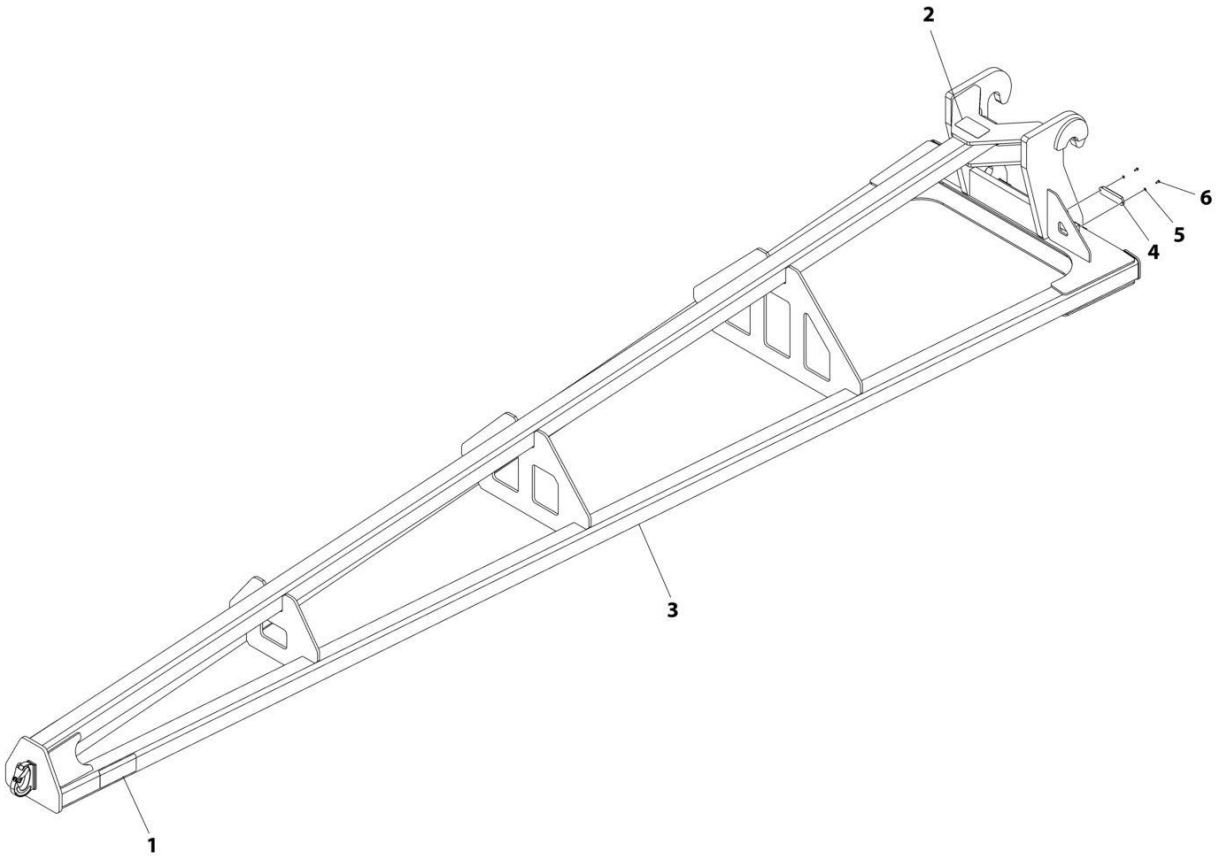


FIGURE 3-55. TRUSS BOOM - 15 FOOT WITHOUT WINCH (Prior to SN 0160116807)

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

FIGURE 3-56. TRUSS BOOM - 15 FOOT WITHOUT WINCH (SN 0160116807 to Present)

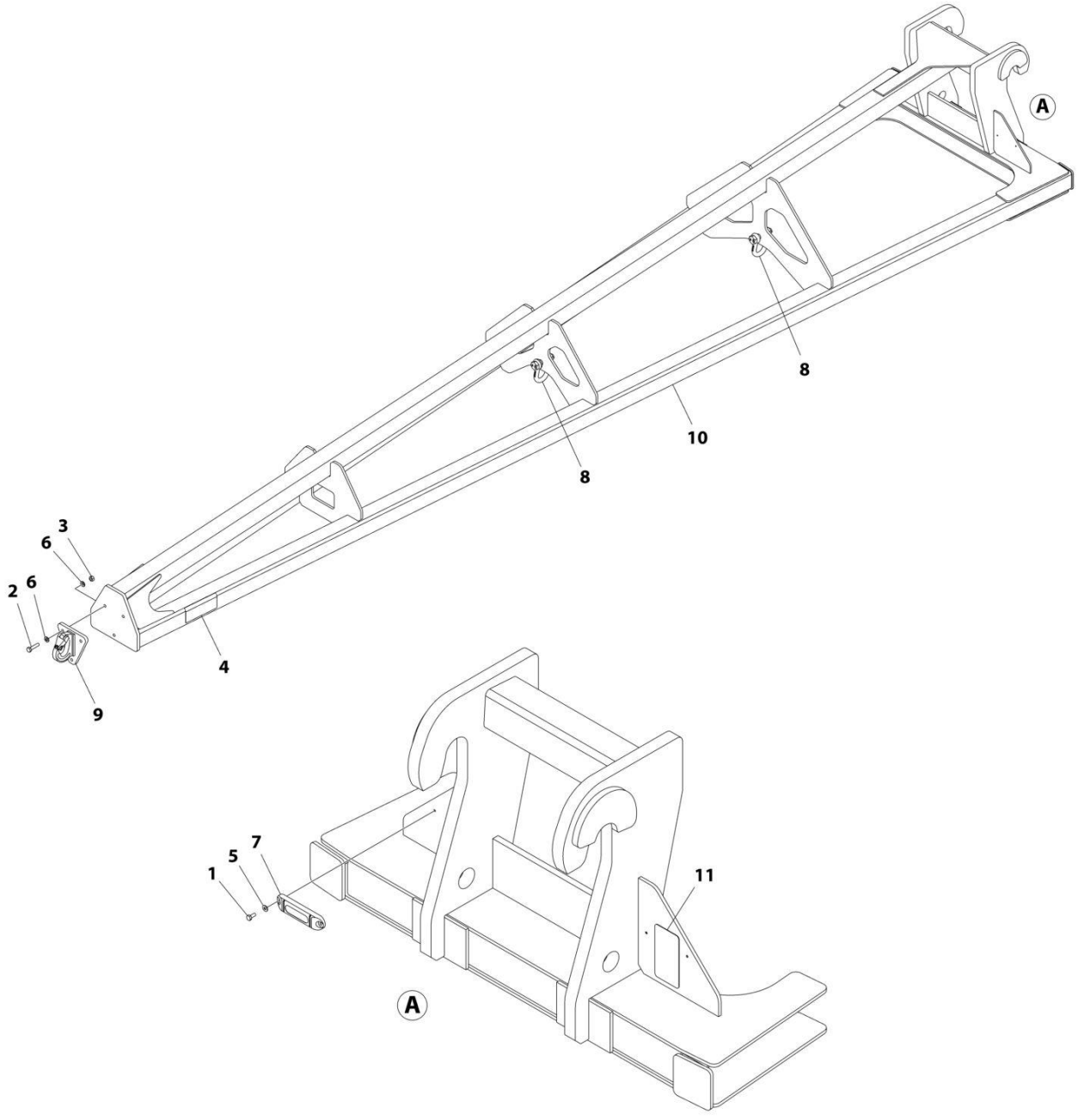


FIGURE 3-56. TRUSS BOOM - 15 FOOT WITHOUT WINCH (SN 0160116807 to Present)

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

FIGURE 3-57. TRUSS BOOM - ADJUSTABLE

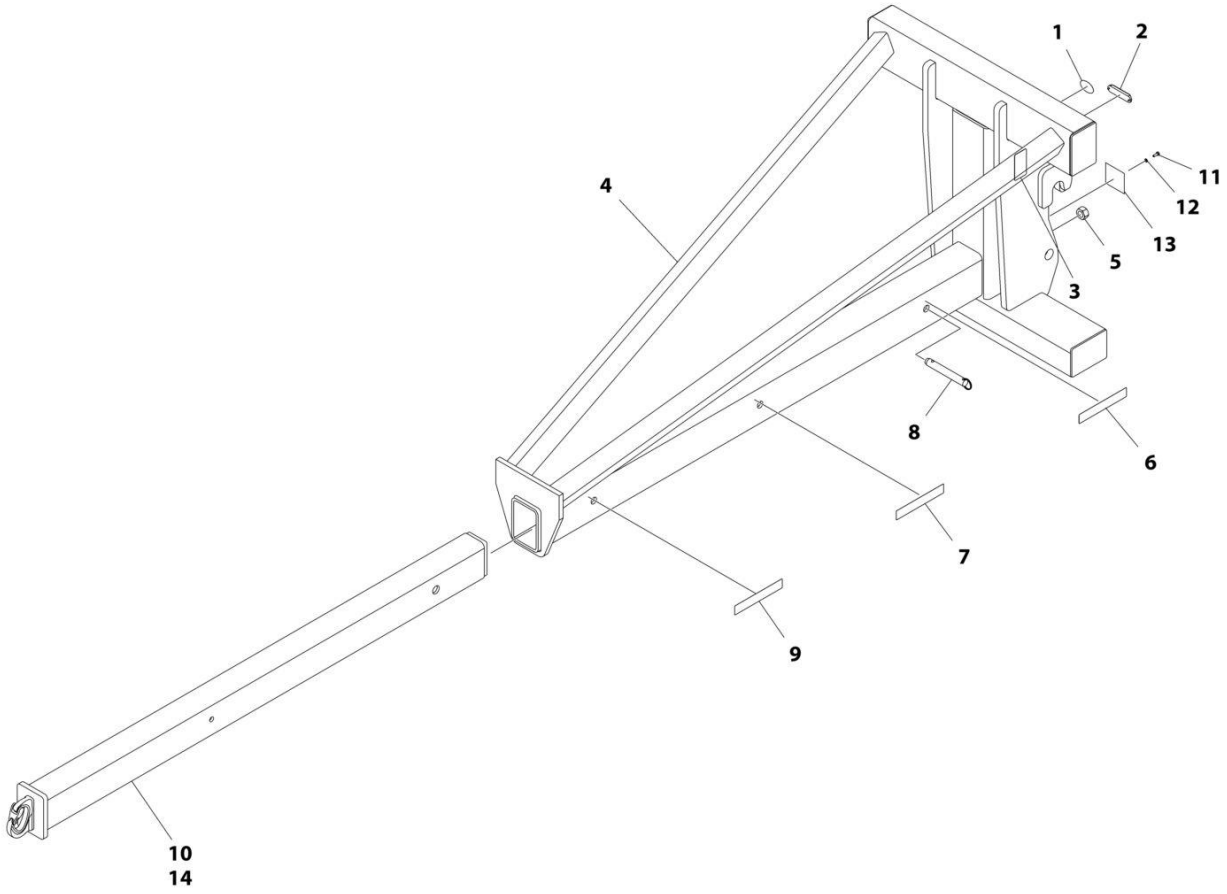


FIGURE 3-57. TRUSS BOOM - ADJUSTABLE

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

FIGURE 3-58. TRUSS BOOM - ADJUSTABLE (FORK MOUNTED)

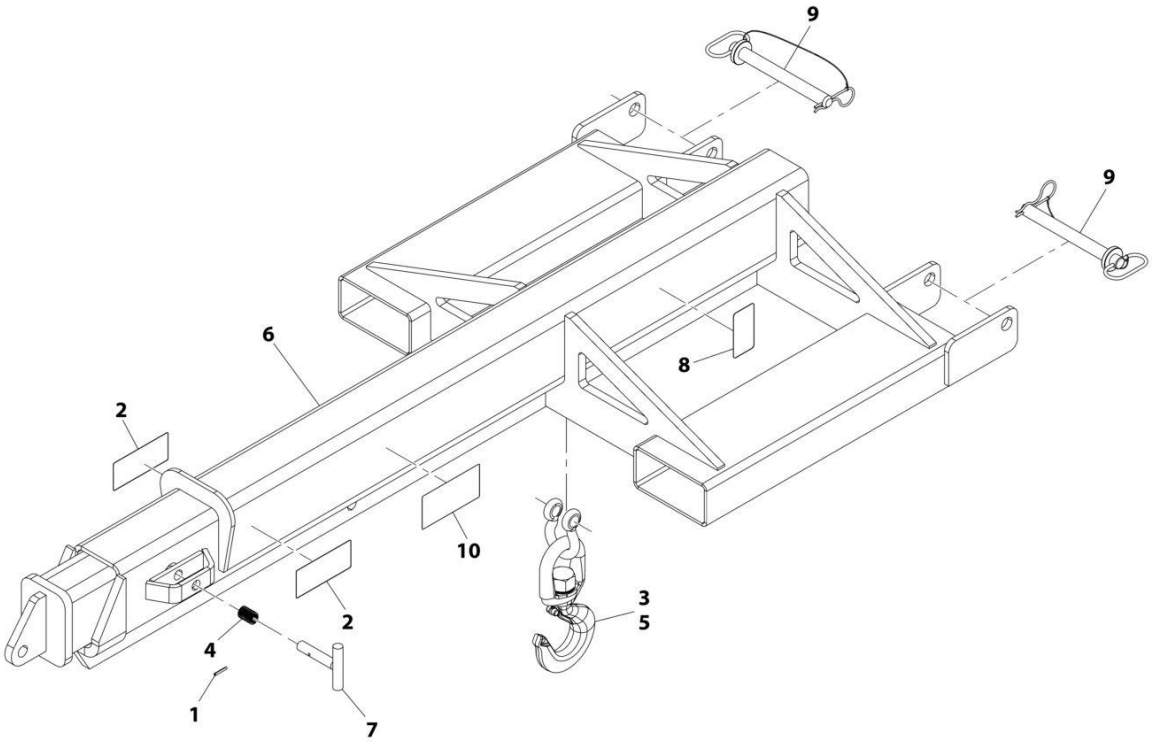


FIGURE 3-58. TRUSS BOOM - ADJUSTABLE (FORK MOUNTED)

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

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE POD COMPONENT INSTALLATION (1075)

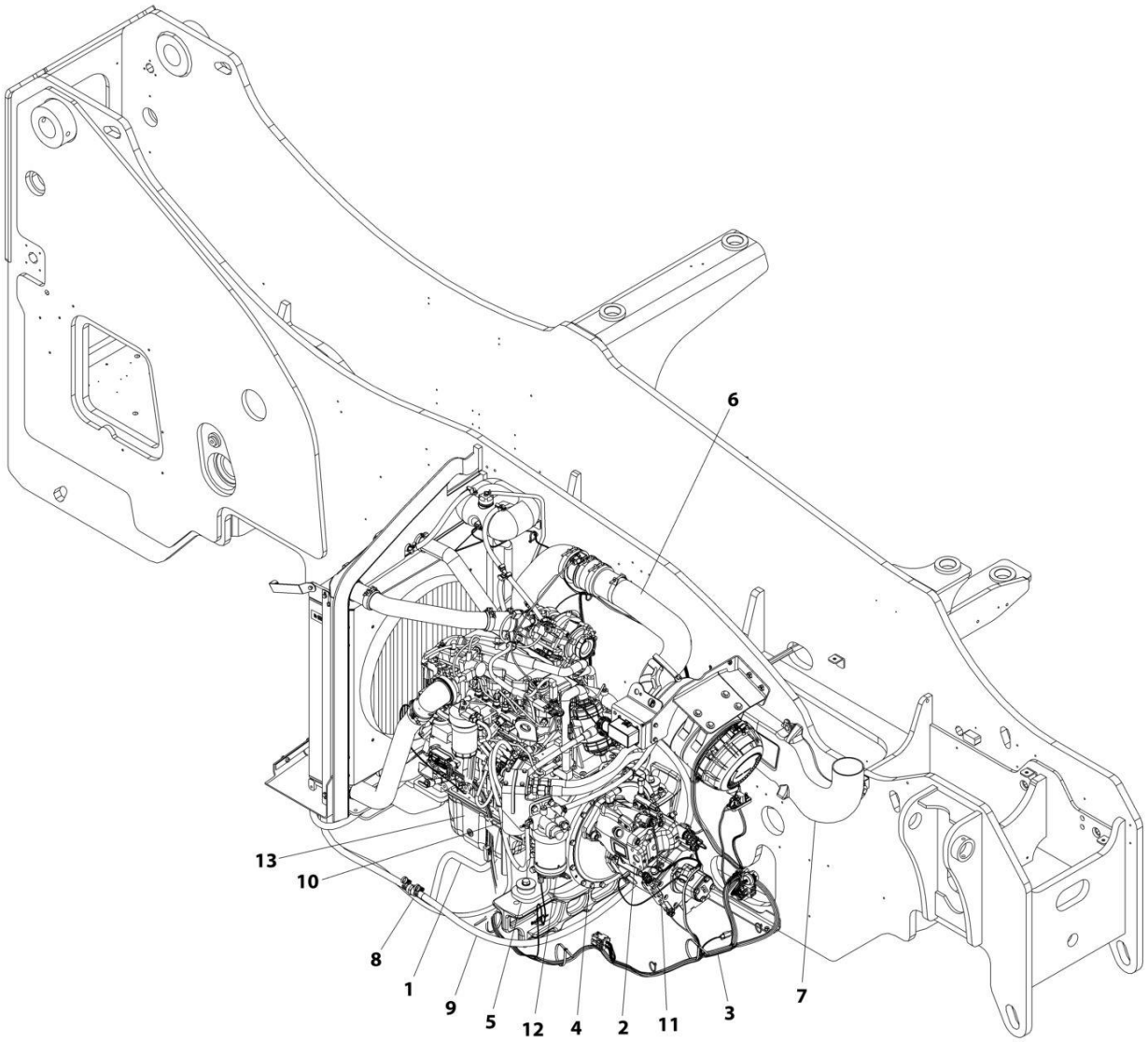


FIGURE 4-1. ENGINE POD COMPONENT INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274435	Ref	ENGINE POD COMPONENT INSTALLATION	B
1	1001173344	1	Installation, Oil Drain Hose (See Separate Breakdown in this Section)	
2	1001206349	1	Installation, Hydraulic Pump (See Separate Breakdown in this Section)	
3	1001238007	1	Installation, Engine Wiring Cummins 4.5L	
4	1001243039	1	Installation, Transmission Hydrostatic Adapter (See Separate Breakdown in this Section)	
5	1001244037	1	Installation, Engine Mount (See Separate Breakdown in this Section)	
6	1001244039	1	Installation, Air Cleaner Lines (See Separate Breakdown in this Section)	
7	1001244040	1	Installation, Air Cleaner (See Separate Breakdown in this Section)	
8	1001244041	1	Installation, Fuel Lines (See Separate Breakdown in this Section)	
9	1001244043	1	Installation, DEF Coolant Lines (See Separate Breakdown in this Section)	
10	1001244046	1	Installation, Remote Oil Filter (See Separate Breakdown in this Section)	
11	1001244049	1	Installation, Hydrostatic Drive Pump (See Separate Breakdown in this Section)	
12	1001244050	1	Installation, Primary Fuel Filter (See Separate Breakdown in this Section)	
13	1001274337	1	Engine, Cummins QSB 4.5L T4F(See Separate Breakdown in this Section)	

FIGURE 4-2. ENGINE POD COMPONENT INSTALLATION (4523)

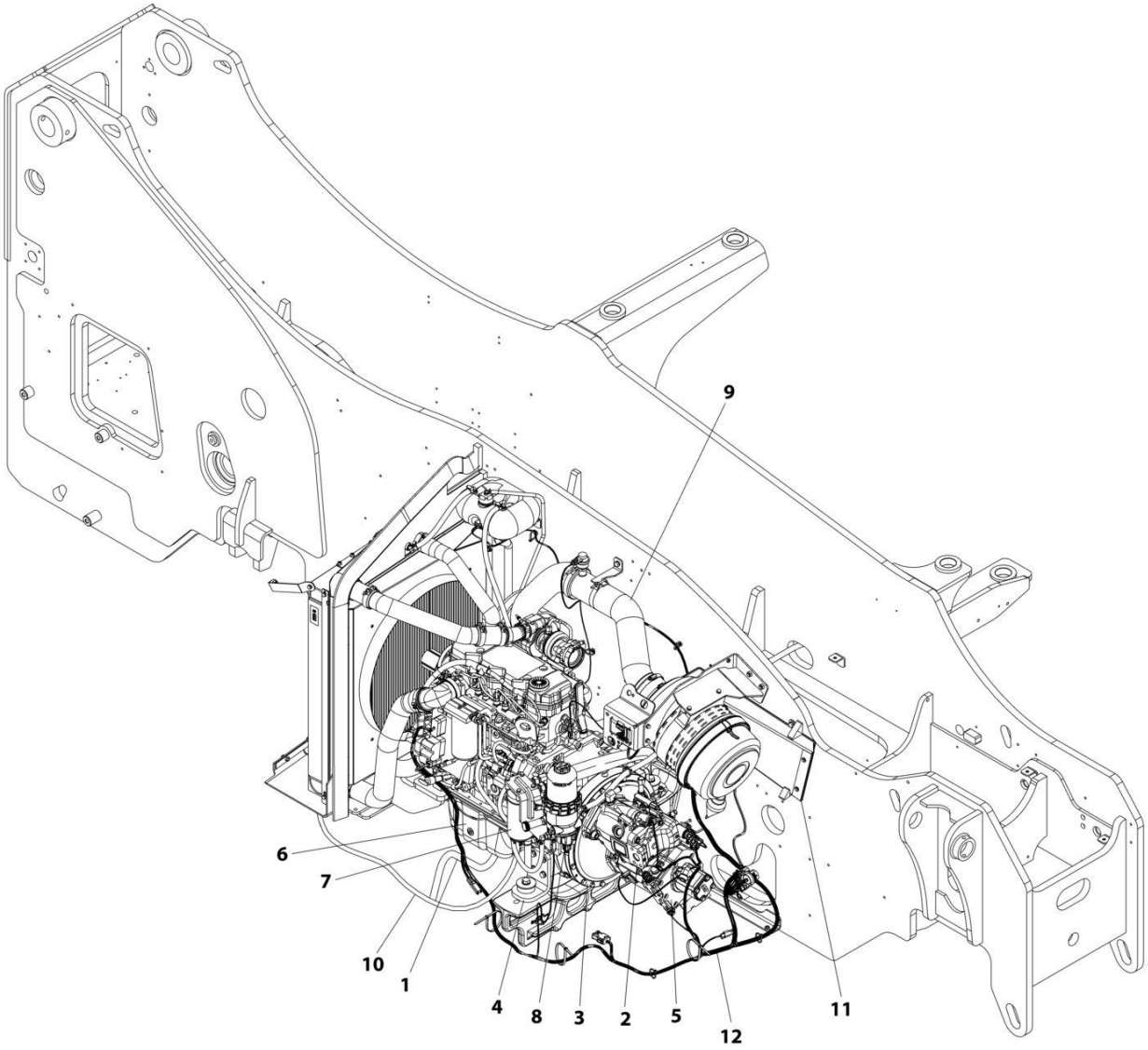


FIGURE 4-2. ENGINE POD COMPONENT INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256491	Ref	ENGINE POD COMPONENT INSTALLATION	B
1	1001173344	1	Installation, Oil Drain Hose (See Separate Breakdown in this Section)	
2	1001206349	1	Installation, Hydraulic Pump (See Separate Breakdown in this Section)	
3	1001243039	1	Installation, Transmission Hydrostatic Adapter (See Separate Breakdown in this Section)	
4	1001244037	1	Installation, Engine Mount (See Separate Breakdown in this Section)	
5	1001244049	1	Installation, Hydrostatic Drive Pump (See Separate Breakdown in this Section)	
6	1001255278	1	Engine, Cummins QSB 4.5L LRC(See Separate Breakdown in this Section)	
7	1001256496	1	Installation, Remote Oil Filter (See Separate Breakdown in this Section)	
8	1001256497	1	Installation, Fuel Filter (See Separate Breakdown in this Section)	
9	1001279087	1	Installation, Air Intake (See Separate Breakdown in this Section)	
10	1001256499	1	Installation, Fuel Lines (See Separate Breakdown in this Section)	
11	1001279088	1	Installation, Air Cleaner (See Separate Breakdown in this Section)	
12	1001264607	1	Installation, Engine Wiring Cummins 4.5L (See Separate Breakdown in this Section)	

FIGURE 4-3. ENGINE MOUNT INSTALLATION

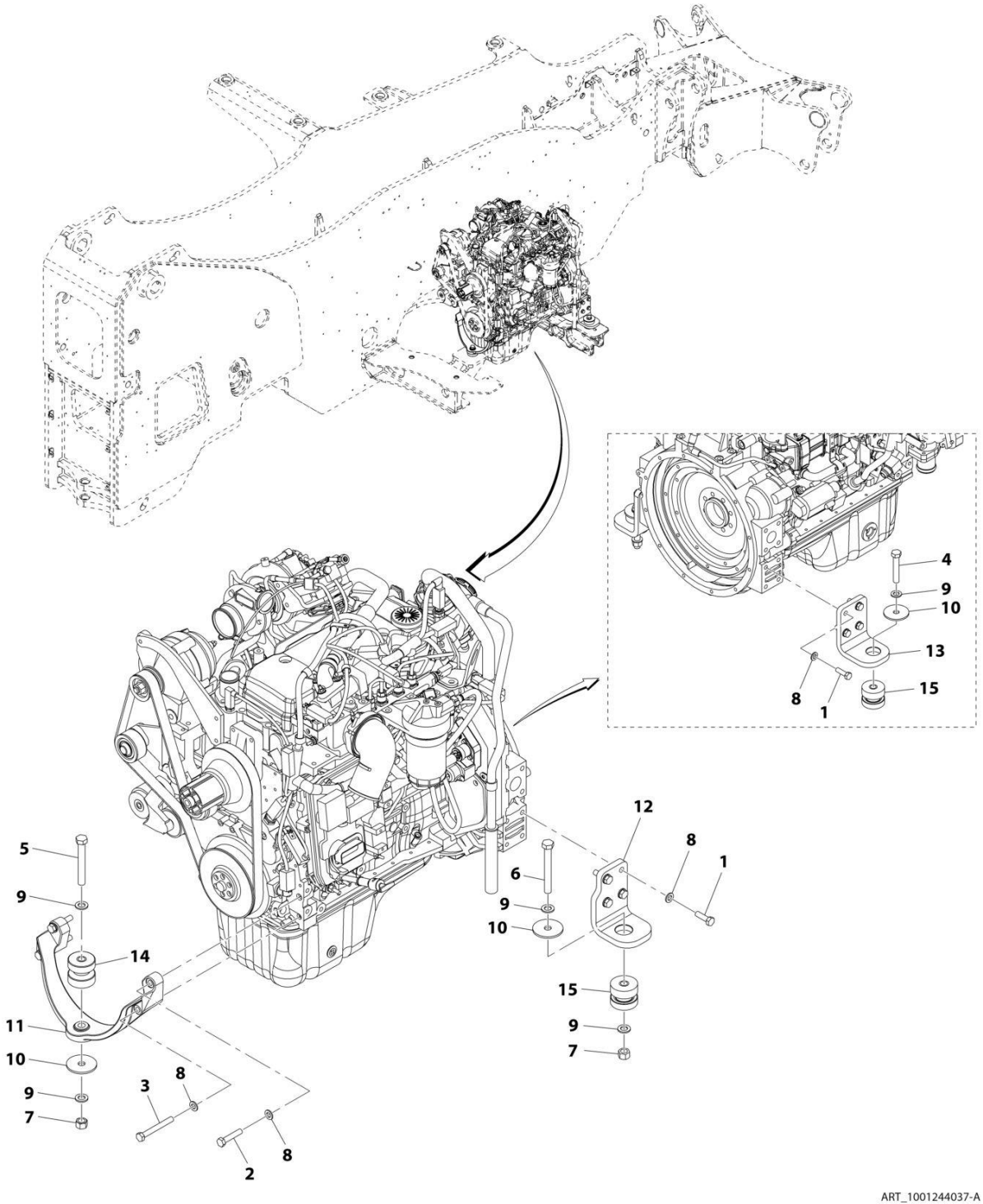
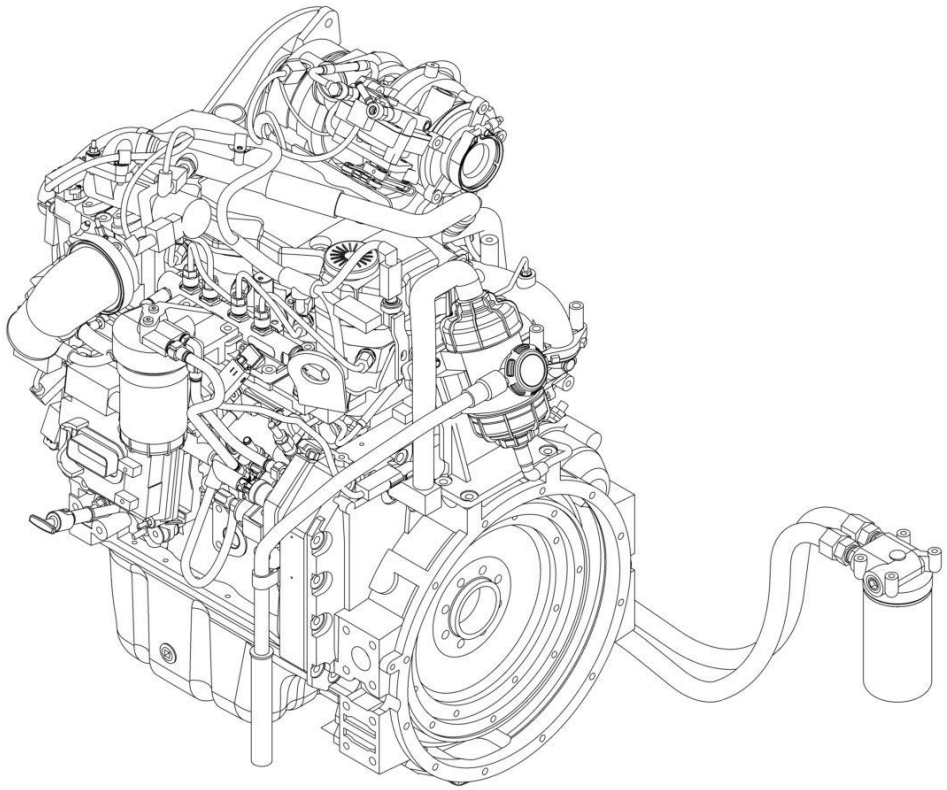


FIGURE 4-3. ENGINE MOUNT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244037	Ref	Engine Mount Installation	A
1	0701216	8	Bolt, M12X40	
2	0701220	2	Bolt, M12X60	
3	0701227	2	Bolt, M12X100	
4	0711626	1	Bolt, M16X90	
5	0711629	1	Bolt, M16X120	
6	0711630	1	Bolt, M16X130	
7	3331615	1	Nut, M16	
8	4812100	2	Washer, M12	
9	4812300	12	Washer, M16	
10	7300435	5	Washer	
11	1001160116	3	Bracket, Engine	
12	1001238820	1	Plate, Engine Mount	
13	1001238821	1	Plate, Engine Mount	
14	1001188757	1	Mount, Isolator Engine	
15	1001197072	2	Mount, Isolator Engine	

FIGURE 4-4. CUMMINS ENGINE - 4.5L (1075)

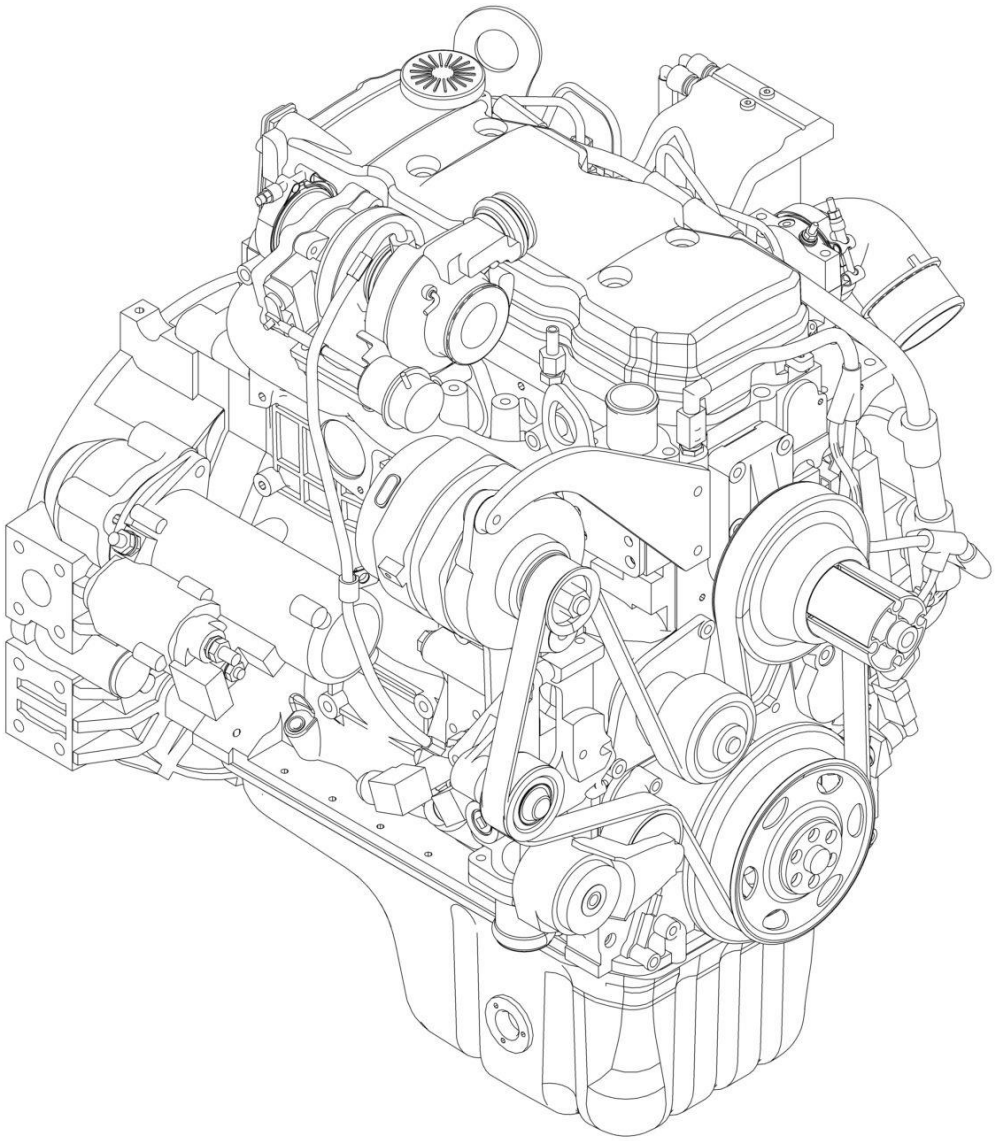


ART_1001274337

FIGURE 4-4. CUMMINS ENGINE - 4.5L (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274337	Ref	CUMMINS ENGINE, QSB 4.5L	B
	70026248	1	Filter After Treatment Kit	
	N.S.S.	1	Filter Screen	
	N.S.S.	1	Filter Support	
	N.S.S.	1	Filter Service Tool	
	70026247	1	Cap, Filter After treatment	
	70026244	1	Connector, Male (Inlet)	
	70026245	1	Connector, Male (Outlet)	
		Ref	Crankcase Breather	
		Ref	Breather Tube and Seal	
	70024284	1	Vent Filter, Crankcase	
	70025351	1	Pressure Sensor	
		Ref	Idler Pulley Kit	
		Ref	Support, Idler Pulley	
	70023443	1	Block Heater Staring Aid, (includes o-ring)	
	1001195923	1	Block Heater Cordset	
		Ref	Fuel Drain Hose Coupling	
	7029128	1	Sealing Washer	
		Ref	Alternator	
		Ref	Pulley, Alternator	
		Ref	Support, Alternator	
		Ref	Brace, Alternator	
	1322073	1	Pulley, Fan	
	7028938	1	Fan Support Kit	
	70029919	1	Fan Spacer	
	70028450	1	Fuel Filter Assembly	

FIGURE 4-5. CUMMINS ENGINE - 4.5L (4523)



ART_1001255278

FIGURE 4-5. CUMMINS ENGINE - 4.5L (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255278	Ref	ENGINE, QSB 4.5L LRC	B
	70026533	1	Starting Aid Assembly	
	70030164	1	Support, Idler Pulley	
	70023443	1	Engine Heater with O-Ring	
	1001195923	1	Heater Cable	
	70024313	1	Thermostat Kit (Includes O-Ring)	
	70030316	1	Valve, Check	
	70030167	1	Pulley, Alternator	
	70030168	1	Support, Alternator	
	70030169	1	Brace, Alternator	
	1322073	1	Pulley, Fan	
	7028938	1	Fan Support	
	70029919	1	Spacer, Fan Pilot	
	1322181	4	Screw	
	70026557	1	Tube, Fuel Supply	
	70022641	1	Fuel Filter Head with Fittings	
	70020348	1	Secondary Fuel Filter	
	70030146	1	Oil Seal, Rear Main	
	70021795	1	Flywheel	
	70021794	1	Fuel Injection Pump	
	1321797	1	Gasket, Cover Plate	
	70029430	1	Pipe, Air Transfer	
	70029431	1	O-Ring, Air Transfer	
	70029429	1	Clamp, V Band	
	70020358	1	Oil Filter	
	70020351	1	Dipstick Tube	
	70030310	1	Alternator	
	70030311	1	Dipstick	
	70030312	2	Pan, Oil	
	70022637	1	Oil Pan Plug Gasket	
	70024317	1	Oil Pan Valve	
	70022845	1	Gasket, Oil Pan Valve	
	70030313	1	Plug	
	70030315	1	Tensioner, Belt	
	1001128594	1	Starter	
	77384830	1	V-Band Clamp, Exhaust Outlet Connection	
	70030314	1	Coupling	
	70021805	1	Water Pump	
	70021806	1	Water Pump Gaskett	

FIGURE 4-6. AIR CLEANER LINES INSTALLATION (1075)

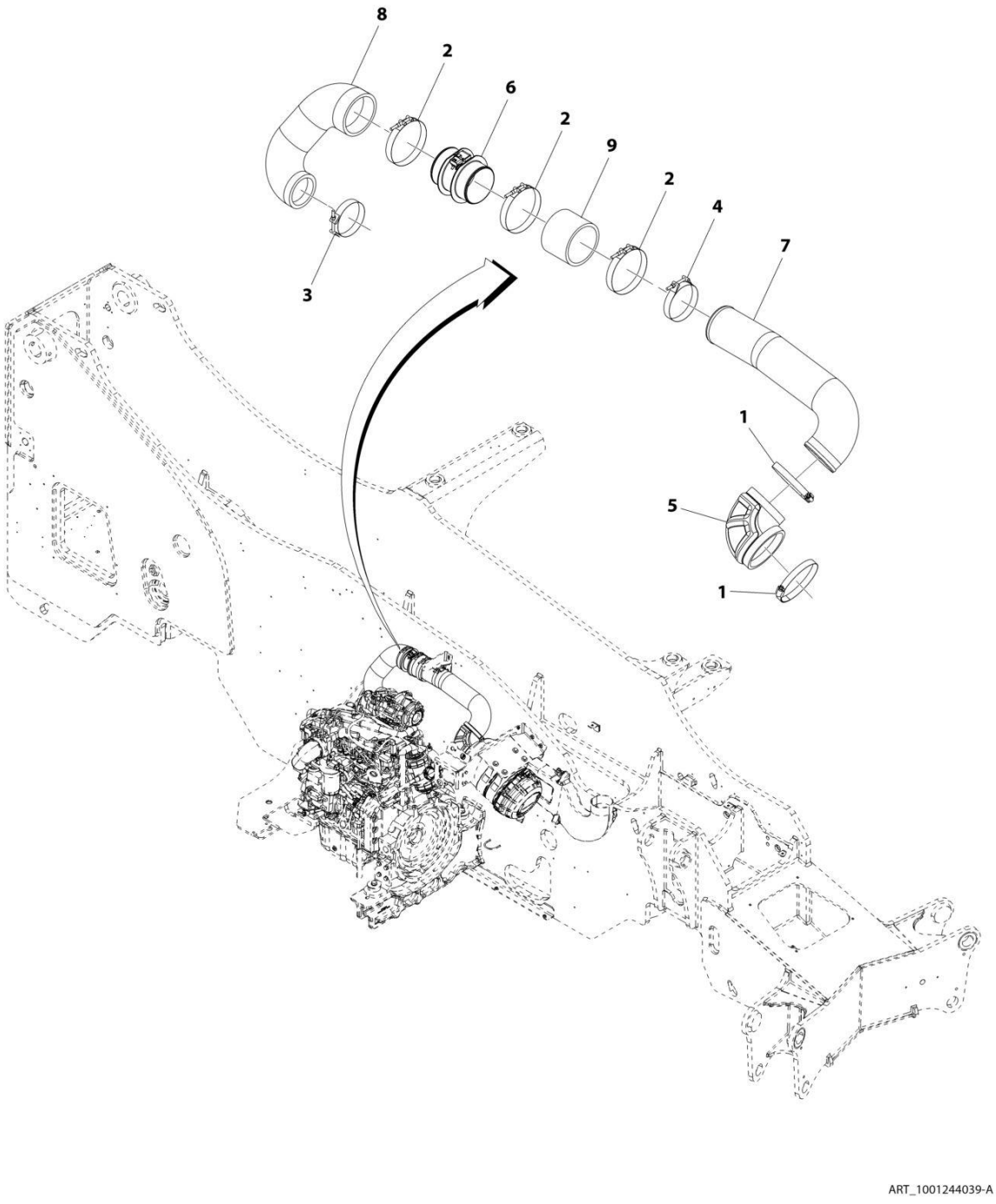


FIGURE 4-6. AIR CLEANER LINES INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244039	Ref	Air Cleaner Lines Installation	A
1	8405402	2	Clamp	
2	80933367	3	Clamp	
3	90028631	1	Clamp	
4	91413025	1	Clamp	
5	1001166451	1	Elbow	
6	1001168771	1	Tube	
7	1001241370	1	Tube	
8	1001243775	1	Hose	
9	1001247094	1	Hose	

FIGURE 4-7. AIR CLEANER INSTALLATION (1075)

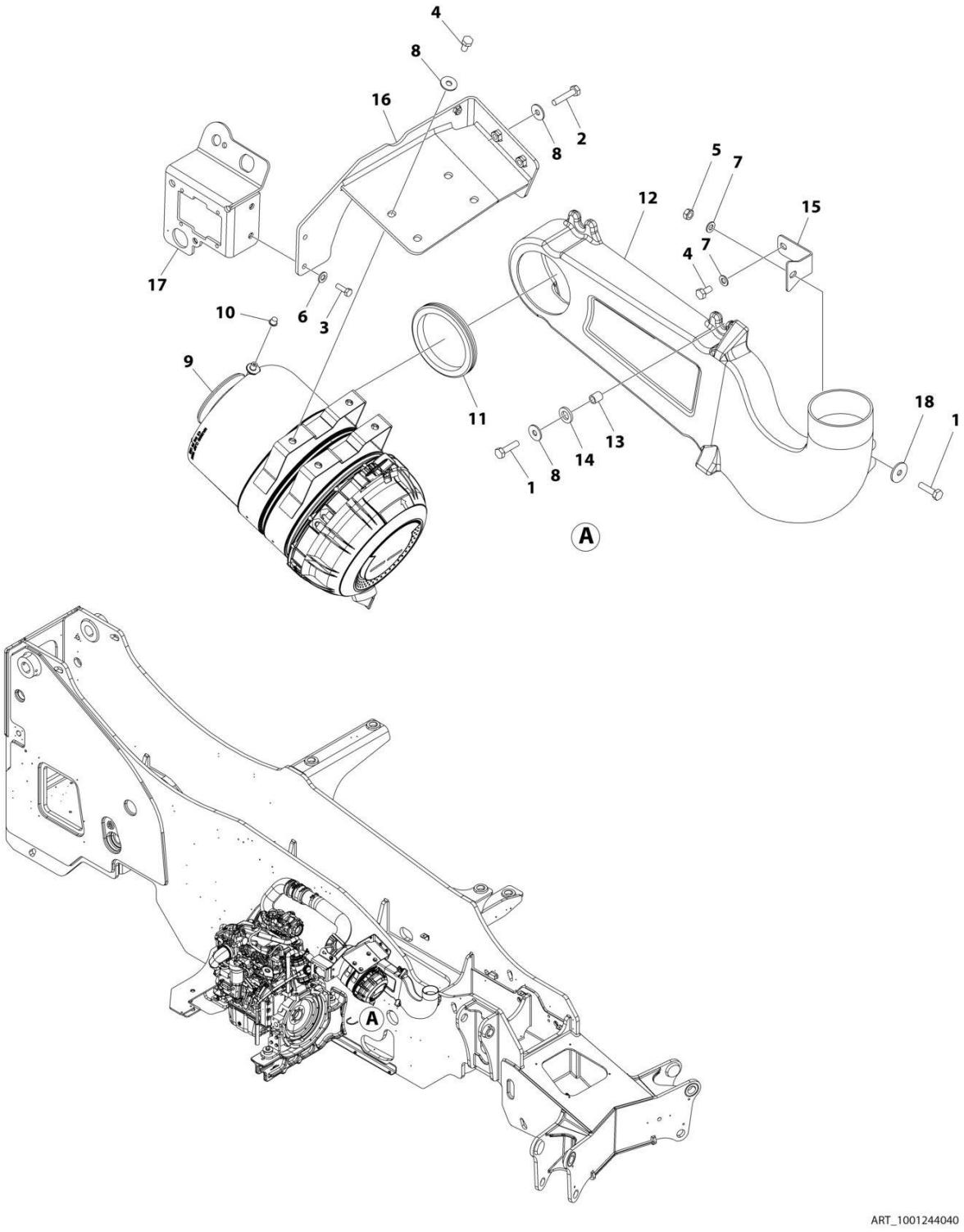


FIGURE 4-7. AIR CLEANER INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244040	Ref	AIR CLEANER INSTALLATION	C
1	0701016	5	Bolt M10 x 40	
2	0701018	3	Bolt M10 x 50	
3	0760812	2	Bolt M8 x 25	
4	0761010	5	Bolt M10 x 20	
5	3291001	1	Nut M10 x 1.5	
6	4811900	2	Washer M8	
7	4812000	2	Washer M10	
8	4812002	11	Washer M10	
9	1001166565	1	Filter, Air Cleaner (See Separate Breakdown in this Section)	
10	1001183177	1	Cap	
11	1001183831	1	Grommet	
12	1001216813	1	Duct	
13	1001231389	4	Sleeve, Spacer	
14	1001231390	4	Washer	
15	1001244442	1	Bracket	
16	1001245277	1	Bracket	
17	1001245283	1	Plate	
18	1001155540	1	Washer	

FIGURE 4-8. AIR CLEANER INSTALLATION (4523)

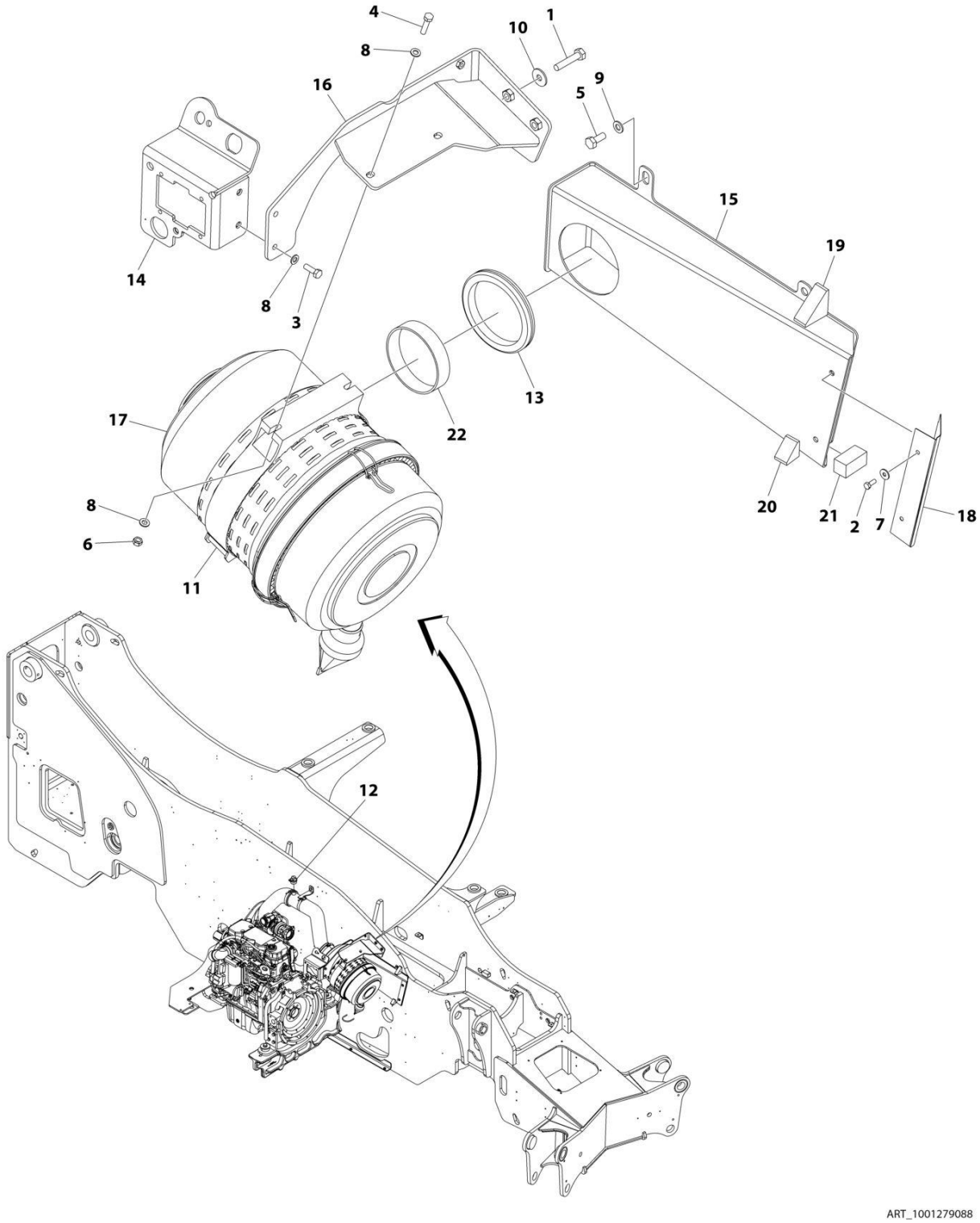


FIGURE 4-8. AIR CLEANER INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001279088	Ref	AIR CLEANER INSTALLATION	A
1	0701018	3	Bolt M10 x 50	
2	0760608	2	Bolt M6 x 16	
3	0760812	2	Bolt M8 x 25	
4	0760815	2	Bolt M8 x 35	
5	0761012	3	Bolt M10 x 25	
6	3290801	2	Nut M8	
7	4811702	2	Washer M6	
8	4811900	6	Washer M8	
9	4812000	3	Washer M10	
10	4812002	3	Washer M10	
11	1001130443	1	Clamp	
12	1001166715	1	Indicator, Restriction	
13	1001183831	1	Grommet	
14	1001245283	1	Plate	
15	1001279090	1	Duct	
16	1001279093	1	Bracket	
17	1001279128	1	Filter, Air Cleaner (See Separate Breakdown in this Section)	
18	1001279682	1	Plate	
19	1001280354	1	Seal	
20	1001280355	1	Seal	
21	1001280381	1	Seal	
22	1001280666	1	Seal	

FIGURE 4-9. AIR CLEANER FILTER ASSEMBLY (90/100KW) (1075)

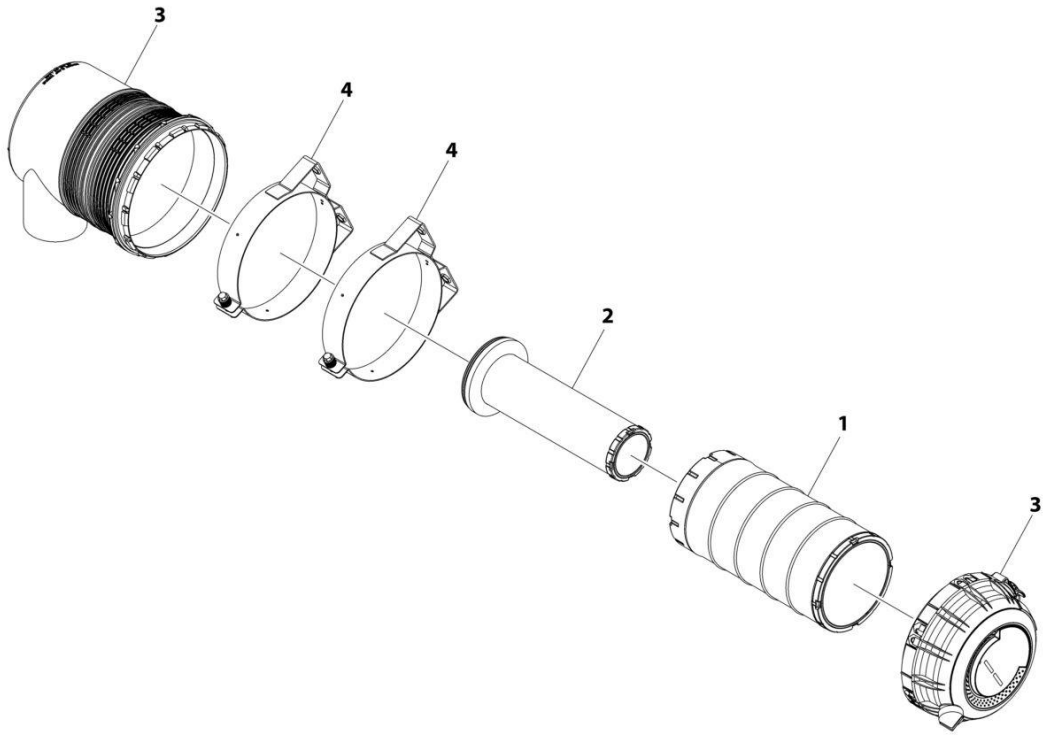
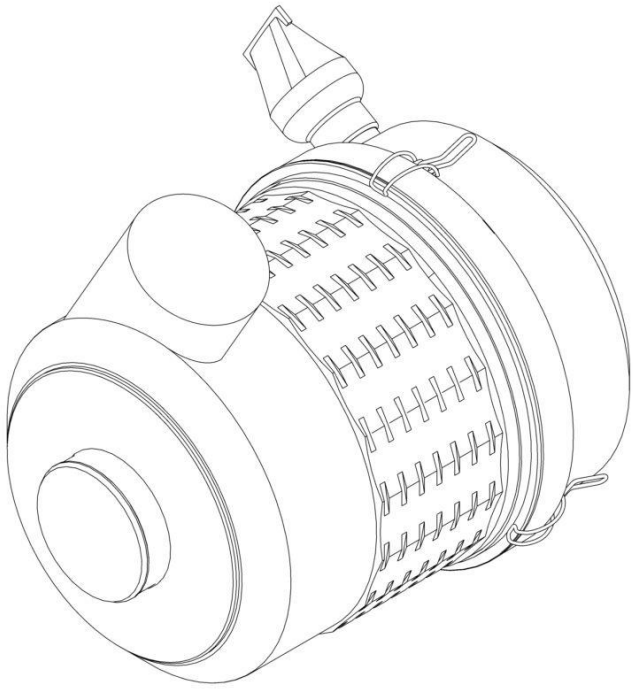


FIGURE 4-9. AIR CLEANER FILTER ASSEMBLY (90/100KW) (1075)

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 4-10. AIR CLEANER FILTER ASSEMBLY (4523)



ART_1001279128

FIGURE 4-10. AIR CLEANER FILTER ASSEMBLY (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001279128	Ref	AIR CLEANER FILTER ASSEMBLY	A
		Ref	Note: No Service Parts Available at Time of Printing.	

FIGURE 4-11. AIR FILTER, RAIN CAP INSTALLATION

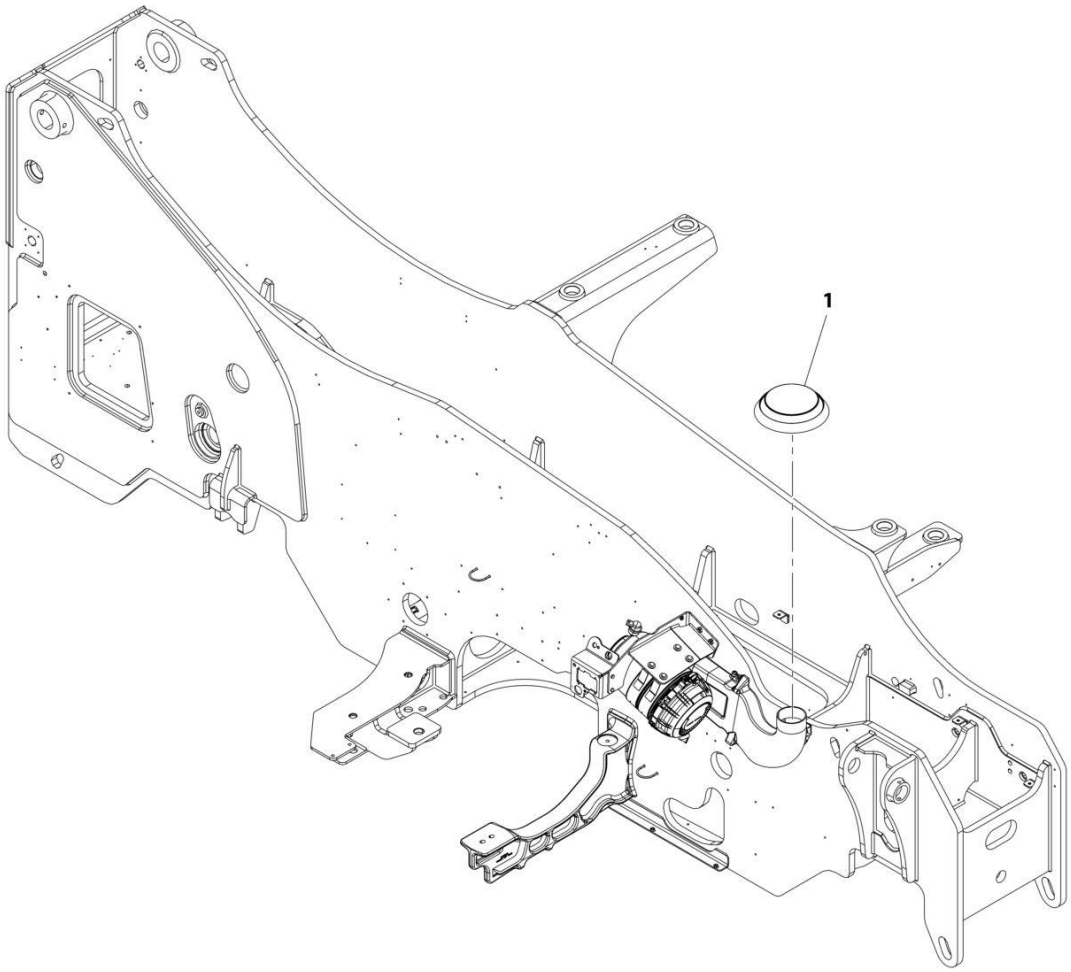


FIGURE 4-11. AIR FILTER, RAIN CAP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258194	Ref	Air Filter, Rain Cap Installation	A
1	90200849	1	Air Stack Cap	

FIGURE 4-12. PRIMARY FUEL FILTER INSTALLATION (1075)

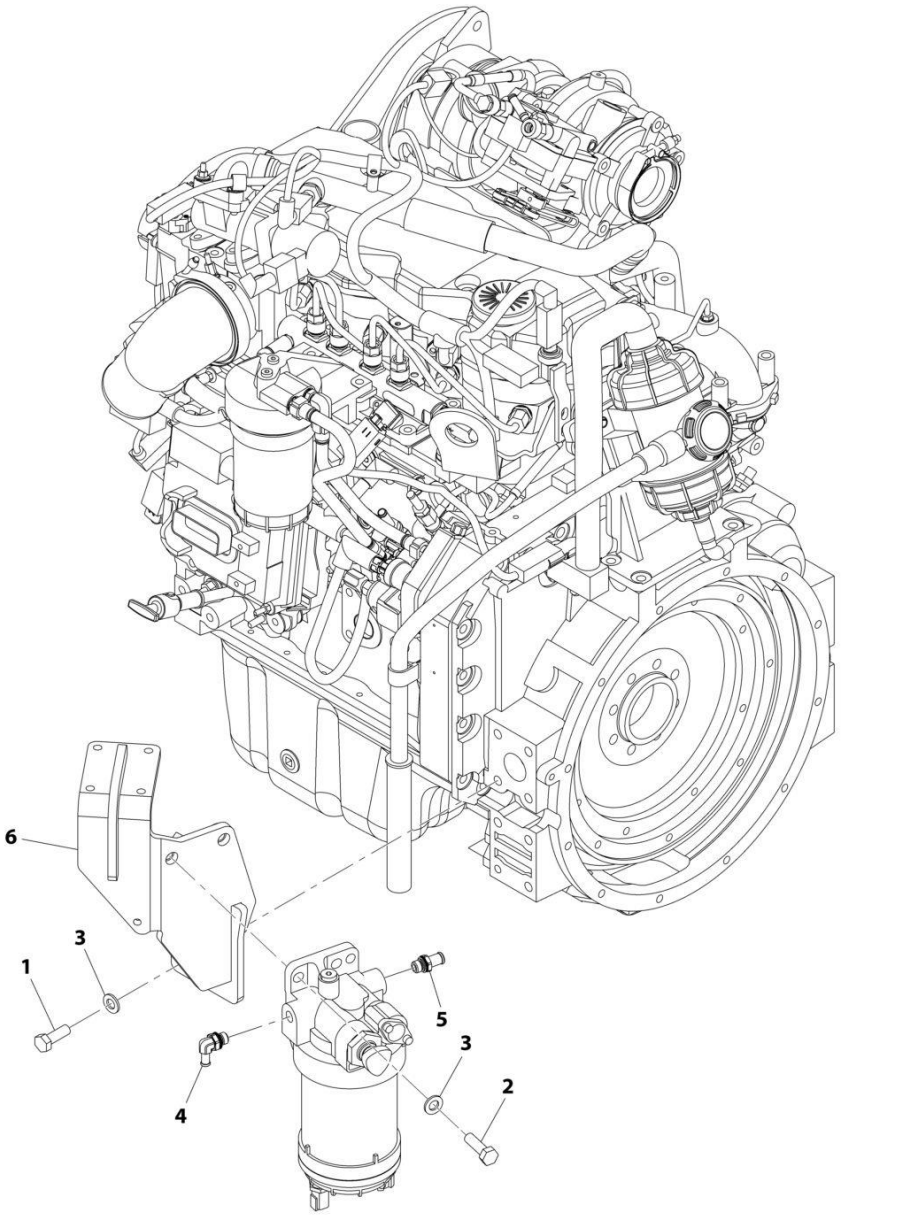


FIGURE 4-12. PRIMARY FUEL FILTER INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244050	Ref	Primary Fuel Filter Installation	A
1	0701215	4	Bolt, M12X35	
2	0701216	2	Bolt, M12X40	
3	4812100	6	Washer, M12	
4	1001182094	1	Hose, Barb	
5	1001217467	1	Adapter	
6	1001242340	1	Bracket	

FIGURE 4-13. FUEL FILTER INSTALLATION (4523)

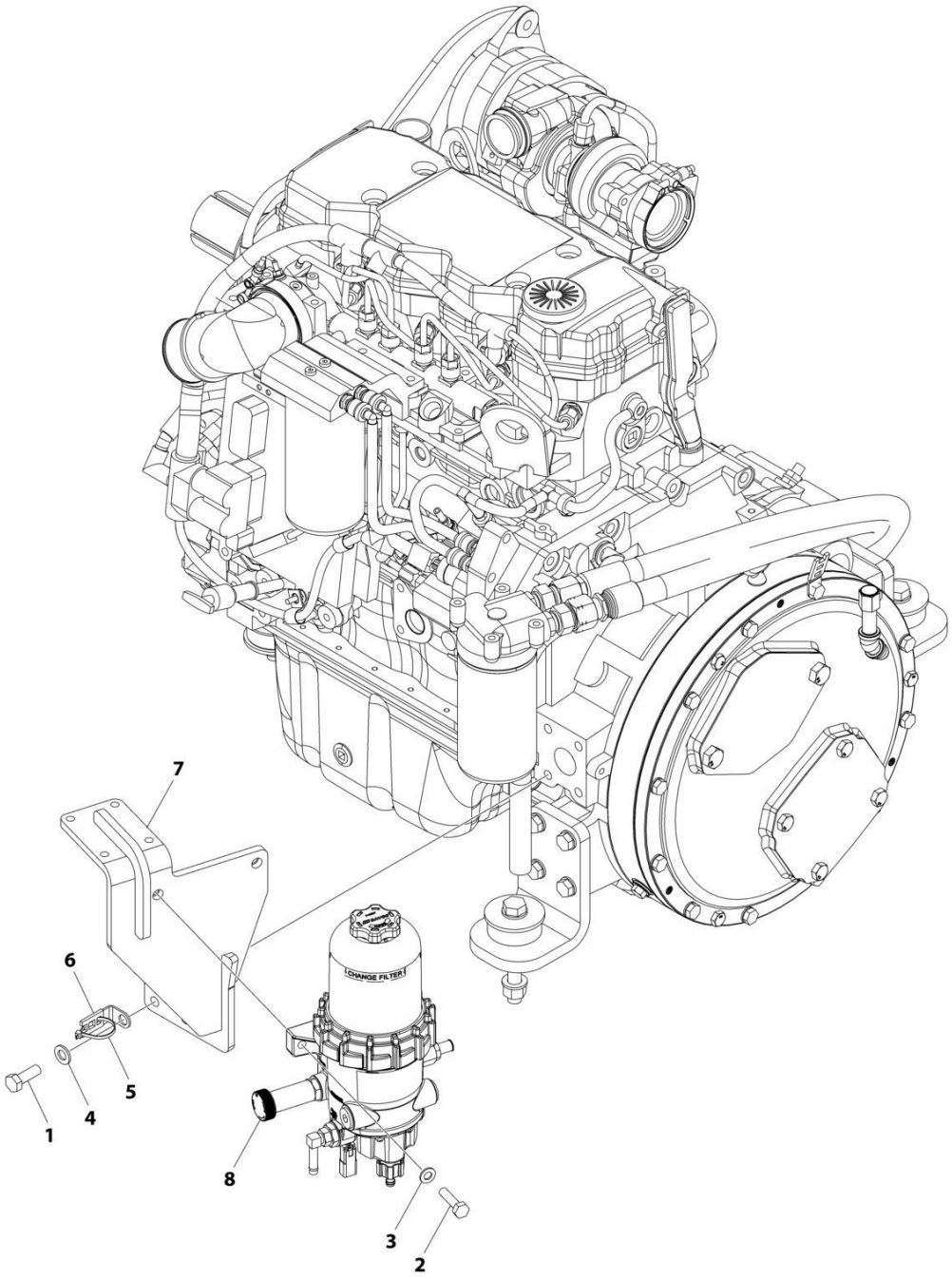
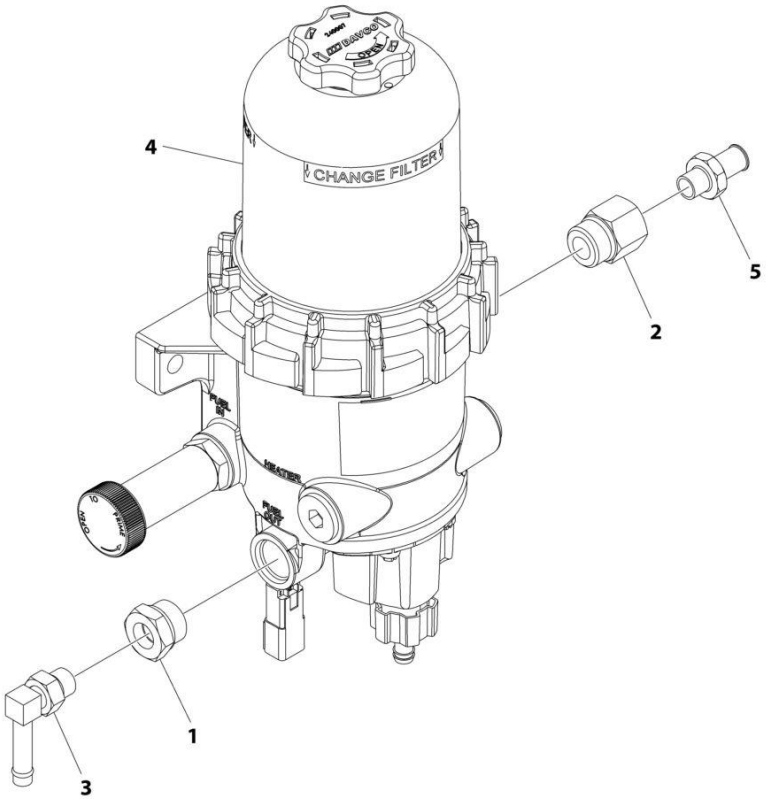


FIGURE 4-13. FUEL FILTER INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256497	Ref	FUEL FILTER INSTALLATION	A
1	0701215	4	Bolt M12 x 35	
2	0761016	2	Bolt M10 x 40	
3	4812000	2	Washer M10	
4	4812100	4	Washer M12	
5	1001008559	1	Tie-Strap	
6	1001130198	1	Clip	
7	1001256622	1	Bracket	
8	1001256942	1	Fuel Filter & Fittings Assembly (See Separate Breakdown in this Section)	

FIGURE 4-14. FUEL FILTER & FITTINGS ASSEMBLY (4523)

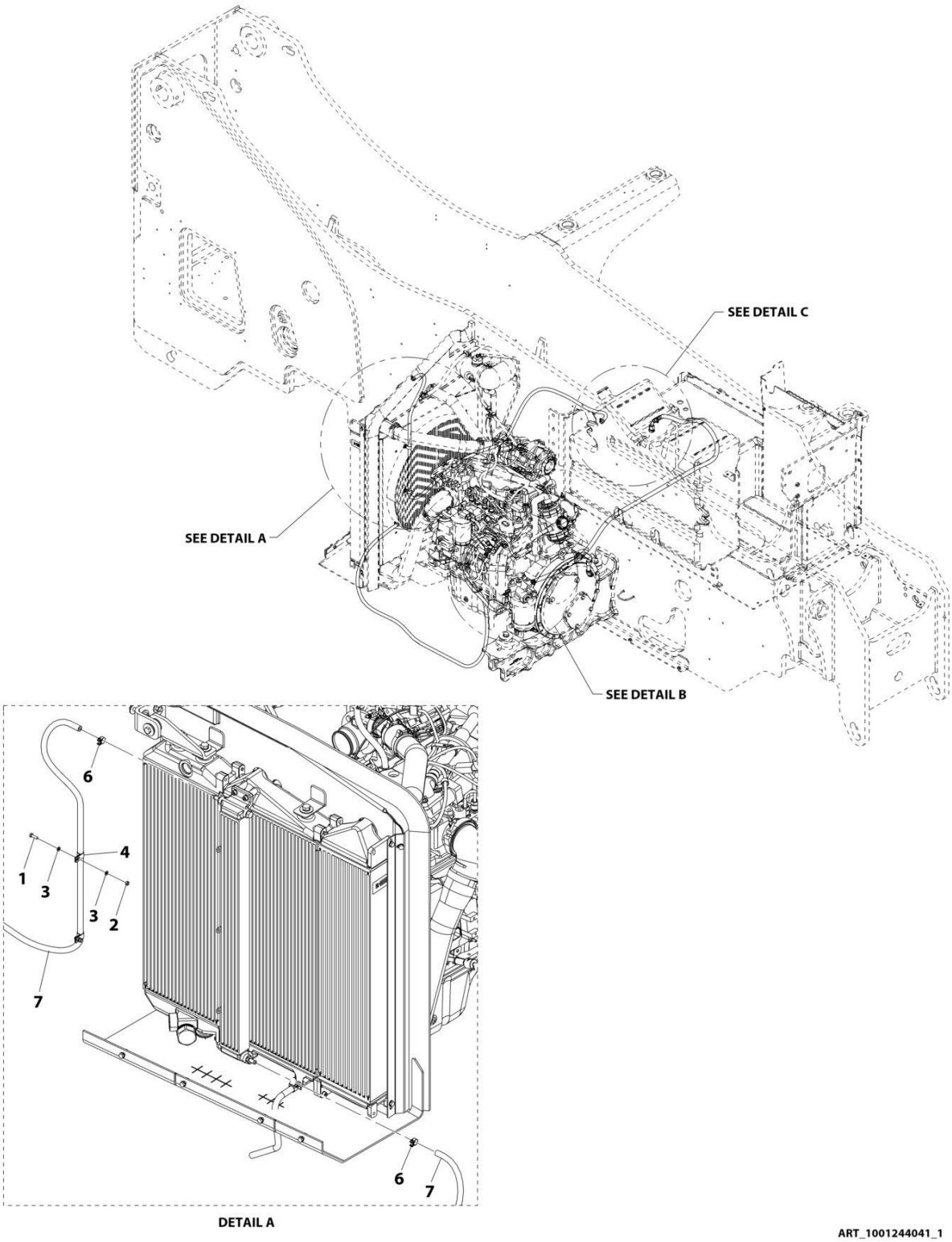


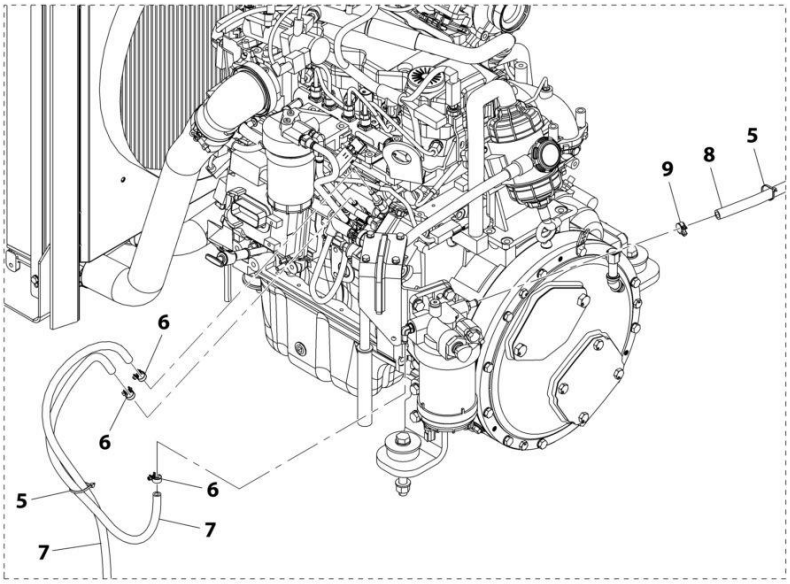
ART_1001256942

FIGURE 4-14. FUEL FILTER & FITTINGS ASSEMBLY (4523)

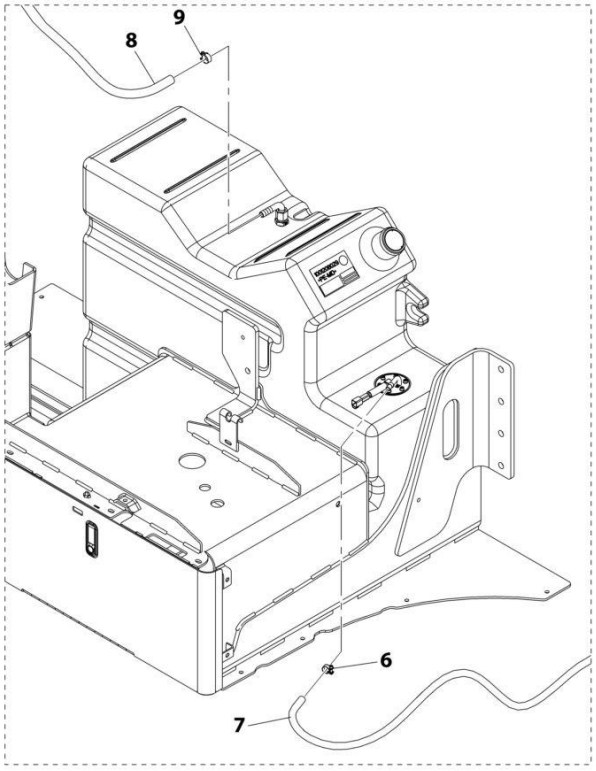
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256942	Ref	FUEL FILTER & FITTINGS ASSEMBLY	A
1	2220218	1	Fitting, Straight	
2	2220810	1	Fitting, Straight	
3	8430034	1	Fitting, 90	
4	1001133534	1	Filter, Fuel	
5	1001190631	1	Fitting	

FIGURE 4-15. FUEL LINES INSTALLATION (1075)





DETAIL B



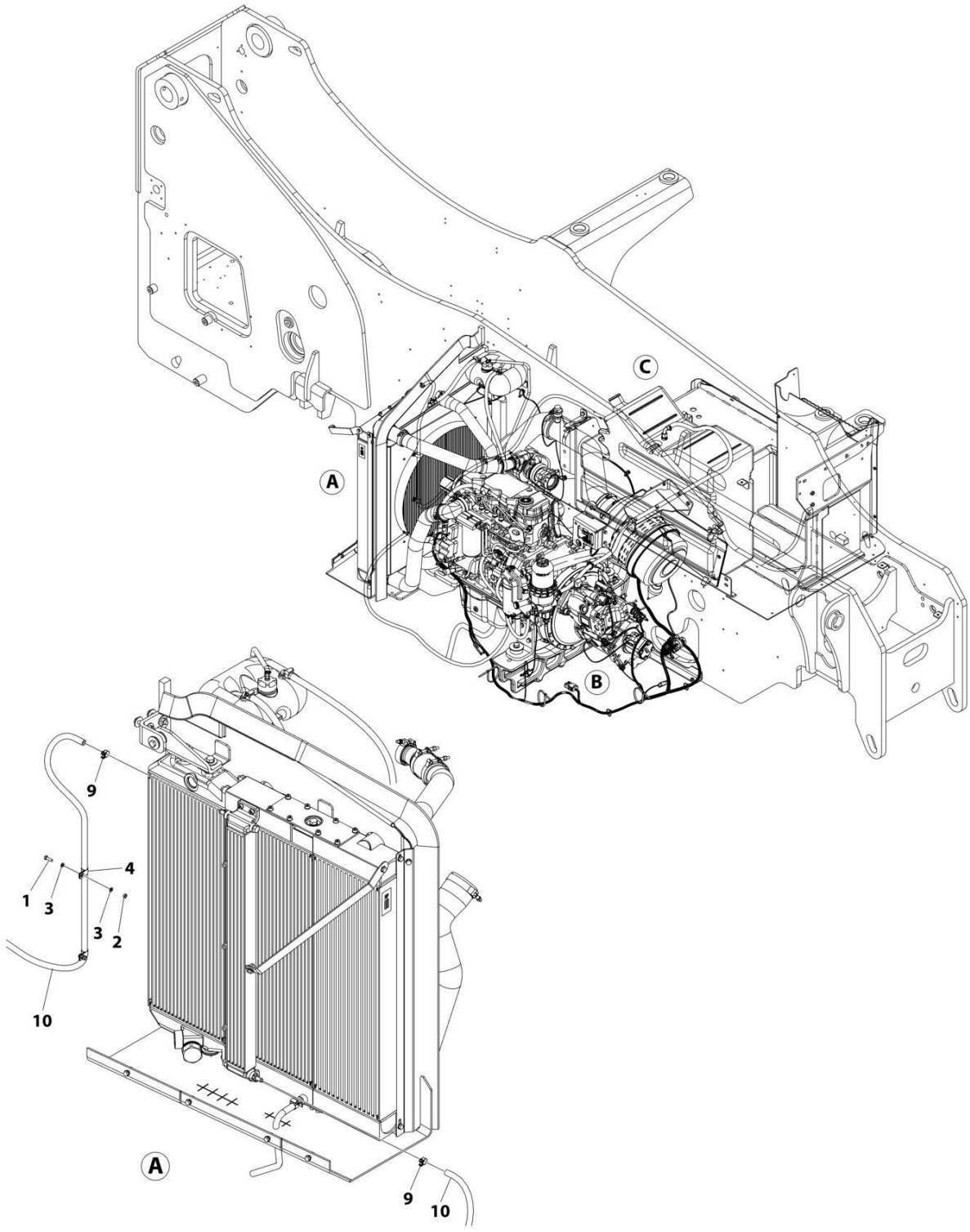
DETAIL C

ART_1001244041_2

FIGURE 4-15. FUEL LINES INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244041	Ref	Fuel Lines Installation	C
1	0700610	2	Bolt, M6X20	
2	3290601	2	Nut, M6X1	
3	4811700	4	Washer, M6	
4	8406112	2	Clip, Tube	
5	1001008559	2	Strap	
6	1001136975	6	Clamp	
7	1001141400	5.7 m	Hose	
8	1001172755	2 m	Hose	
9	1001186342	2	Clip, Hose	

FIGURE 4-16. FUEL INTAKE LINES INSTALLATION (4523)



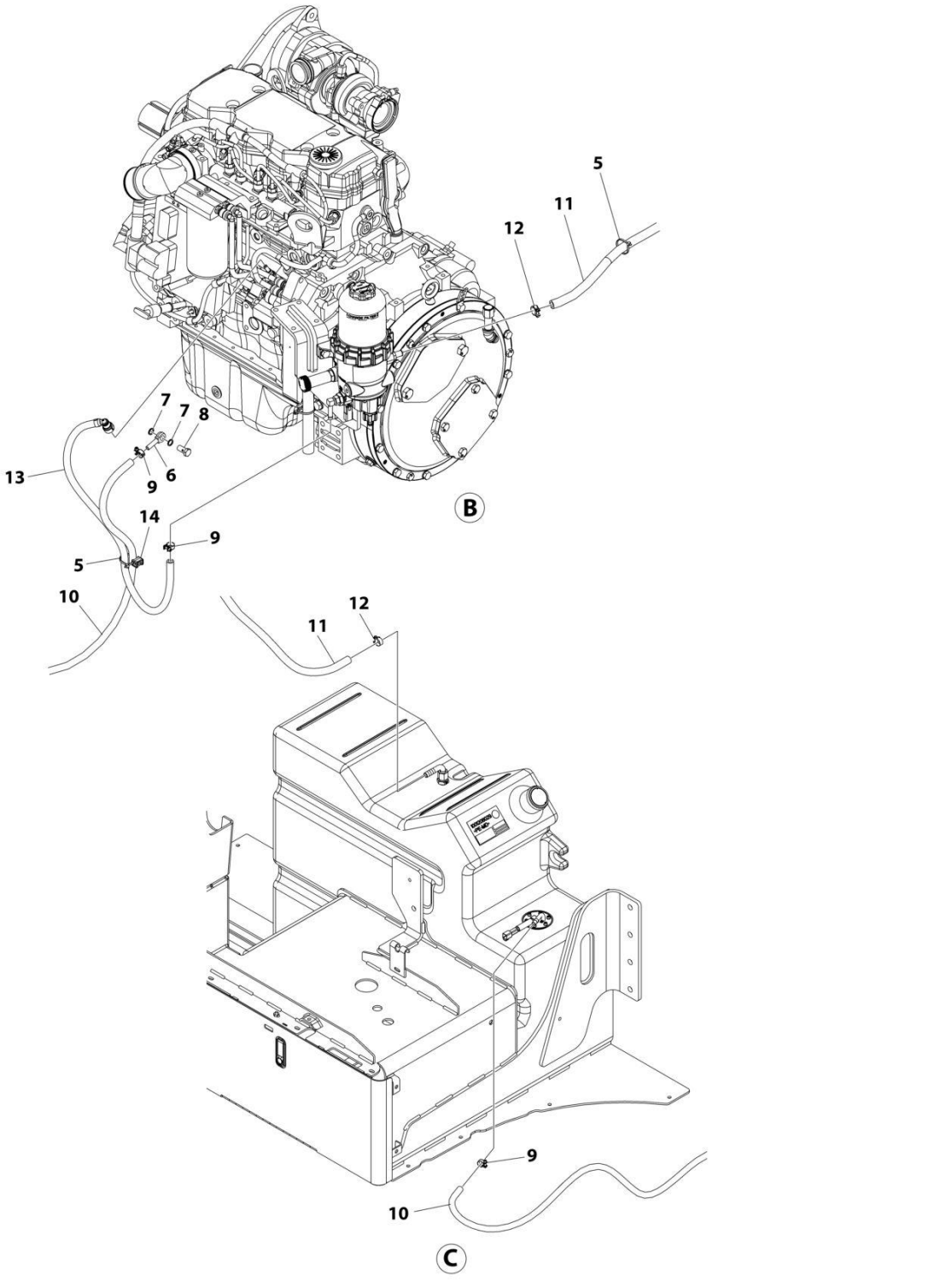


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FIGURE 4-16. FUEL INTAKE LINES INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256499	Ref	FUEL INTAKE LINES INSTALLATION	A
1	0700610	2	Bolt M6 x 20	
2	3290601	2	Nut M6	
3	4811700	4	Washer M6	
4	8406112	2	Clip, Tube	
5	1001008559	2	Tie-Strap	
6	1001105638	1	Fitting, Straight	
7	1001105639	2	Washer	
8	1001105643	1	Screw	
9	1001136975	5	Clamp	
10	1001141400	4.6 m / 15.1 ft	Hose	
11	1001172755	2 m / 6.6 ft	Hose	
12	1001186342	2	Clip, Hose	
13	1001256721	1	Hose	
14	1001004723	1	Clip, Hose	

FIGURE 4-17. HYDROSTATIC DRIVE PUMP INSTALLATION

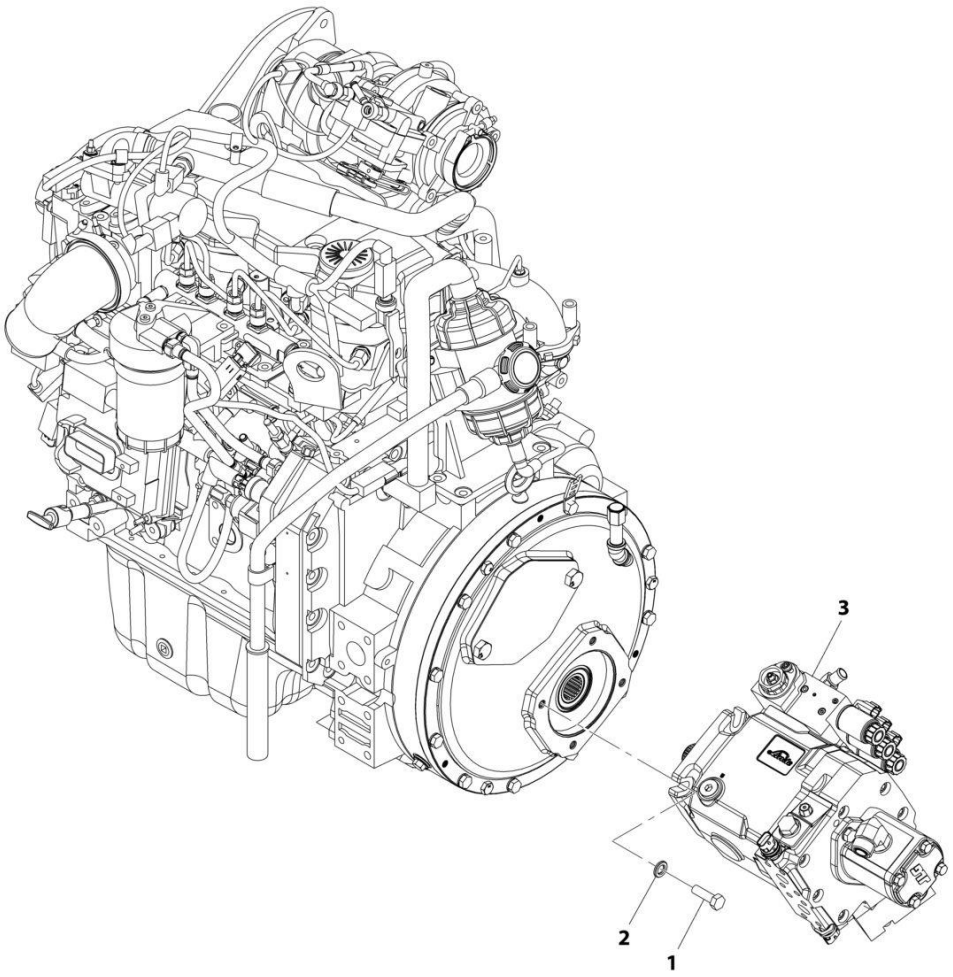


FIGURE 4-17. HYDROSTATIC DRIVE PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244049	Ref	Hydrostatic Drive Pump Installation	B
1	0711216	4	Bolt, M12X40	
2	4740532	4	Washer, M12	
3	1001243013	1	Assembly, Hydrostatic Pump (See Separate Breakdown in this Section)	

FIGURE 4-18. AIR INTAKE LINES INSTALLATION (4523)

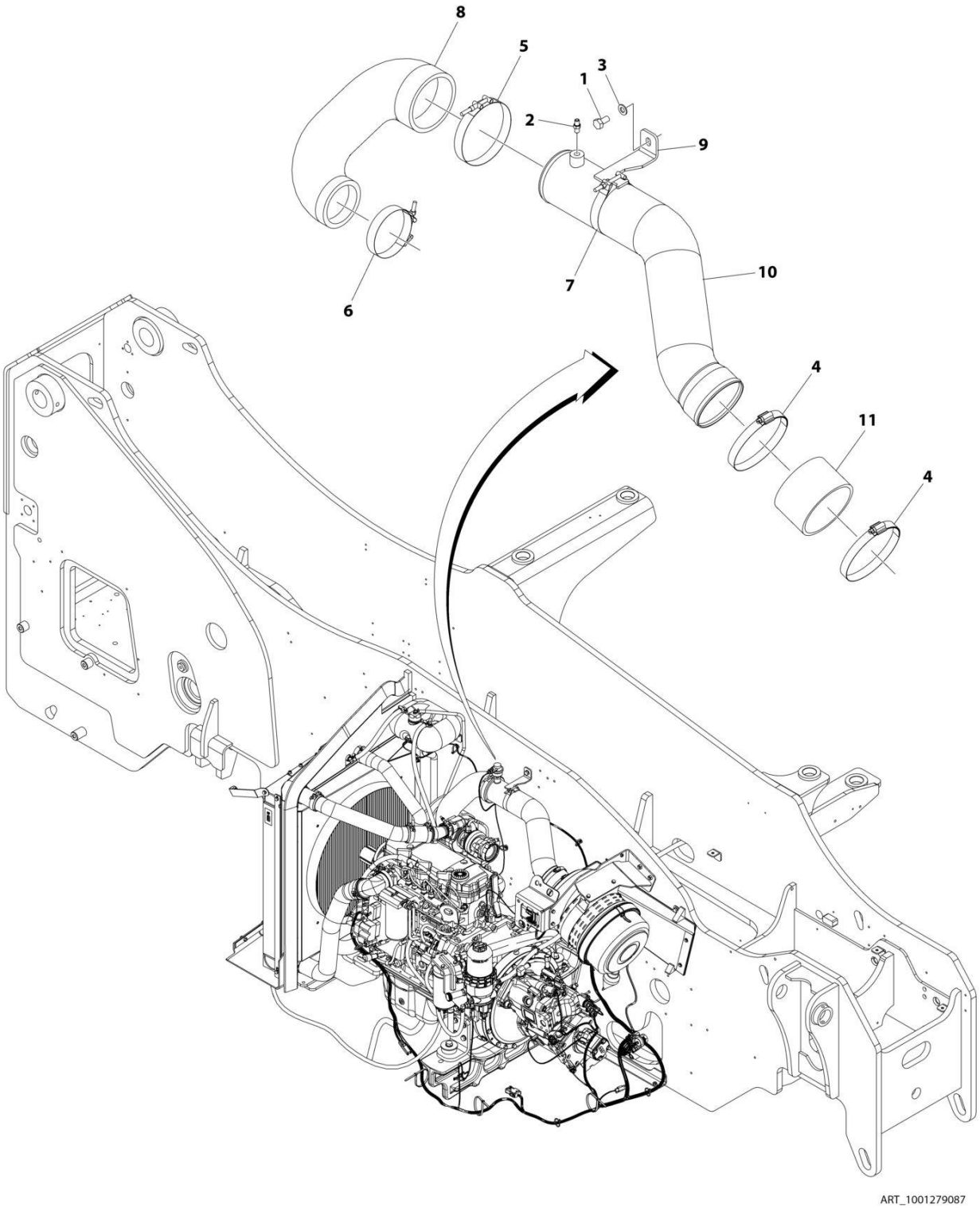


FIGURE 4-18. AIR INTAKE LINES INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001279087	Ref	AIR INTAKE LINES INSTALLATION	A
1	0761010	1	Bolt M10 x 20	
2	2180104	1	Fitting, Straight	
3	4812000	1	Washer M10	
4	8405402	2	Clamp	
5	80933367	1	Clamp	
6	90028631	1	Clamp	
7	91413025	1	Clamp	
8	1001243775	1	Hose	
9	1001256718	1	Support	
10	1001279089	1	Tube	
11	1001279096	1	Sleeve	

FIGURE 4-19. HYDROSTATIC PUMP ASSEMBLY

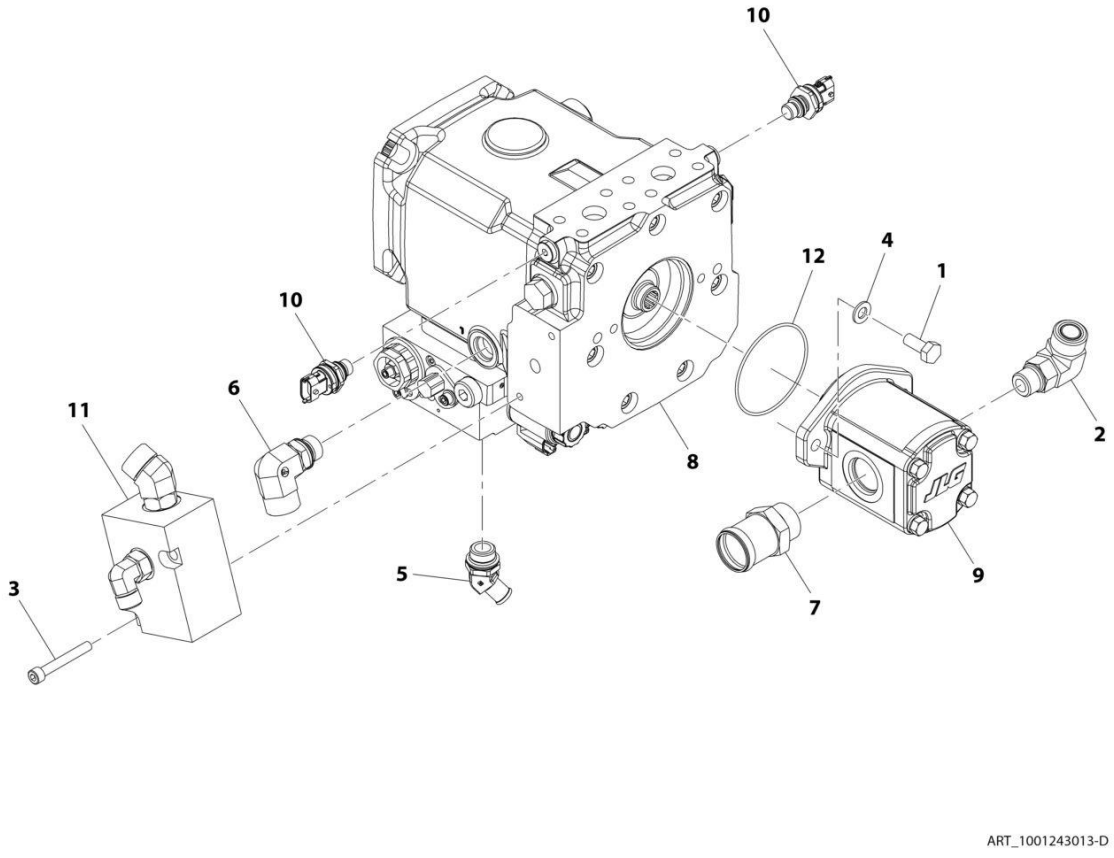


FIGURE 4-19. HYDROSTATIC PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243013	Ref	Hydrostatic Pump Assembly	D
1	0761012	2	Bolt, M10X25	
2	2131210	1	Fitting, 90 ORFS	
3	4031916	2	Bolt, M8X60	
4	4812000	2	Washer, M10	
5	1001203005	1	Fitting, 45	
6	8770247	1	Fitting, 90 ORFS	
7	1001217930	1	Fitting, Straight ORB	
8	1001242635	1	Pump, Drive (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
9	1001243724	1	Pump, Charge (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	1001243960	2	Sensor, Pressure Transducer	
11	1001244407	1	Valve, Charge Flow Control Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
12	3790152	1	Ring	

FIGURE 4-20. HYDRAULIC PUMP INSTALLATION

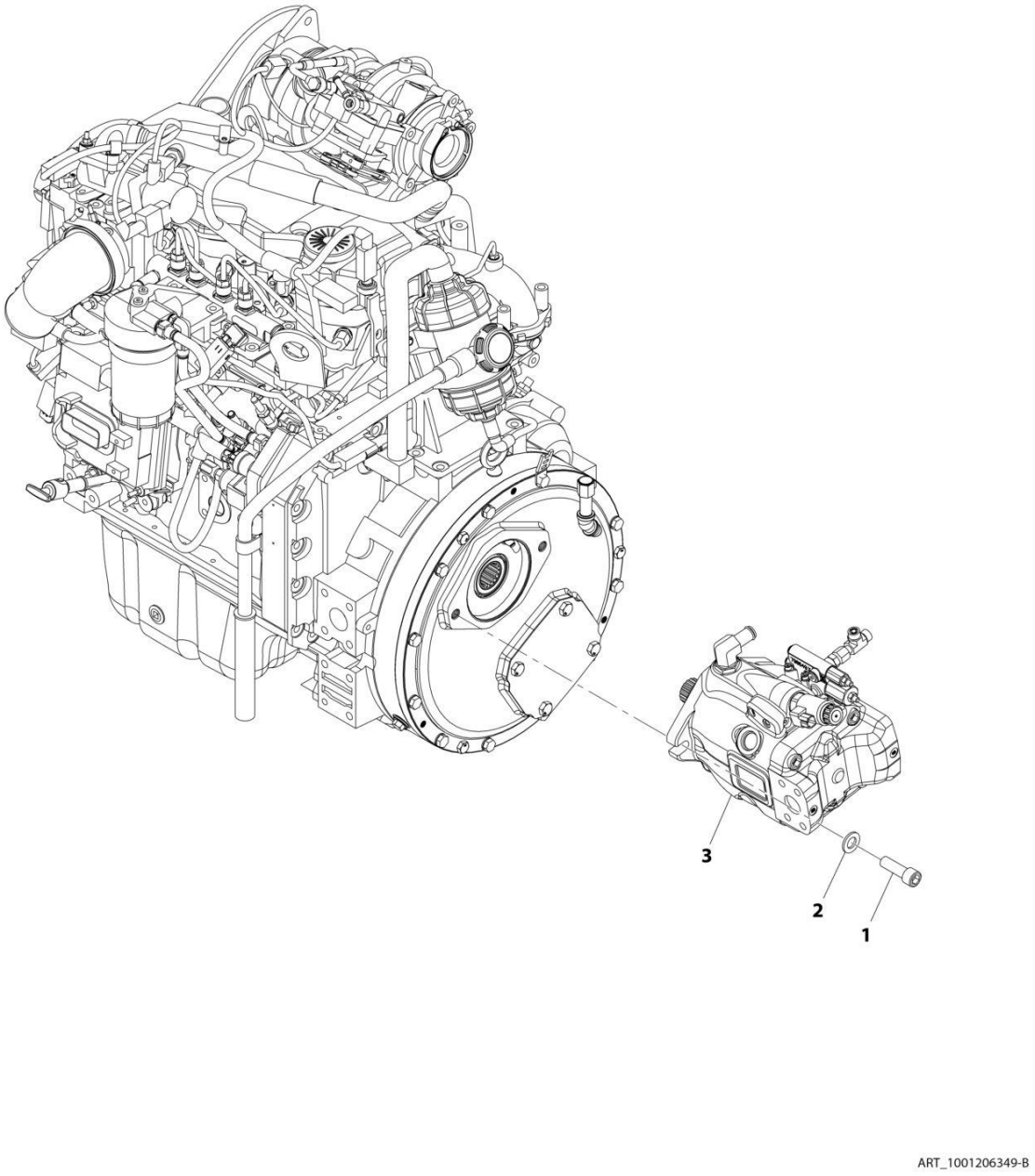


FIGURE 4-20. HYDRAULIC PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206349	Ref	Hydraulic Pump Installation	B
1	4032314	2	Bolt, M16X50	
2	5241600	2	Washer, M16	
3	1001245394	1	Assembly, Implement Pump (See Separate Breakdown in this Section)	

FIGURE 4-21. IMPLEMENT PUMP ASSEMBLY

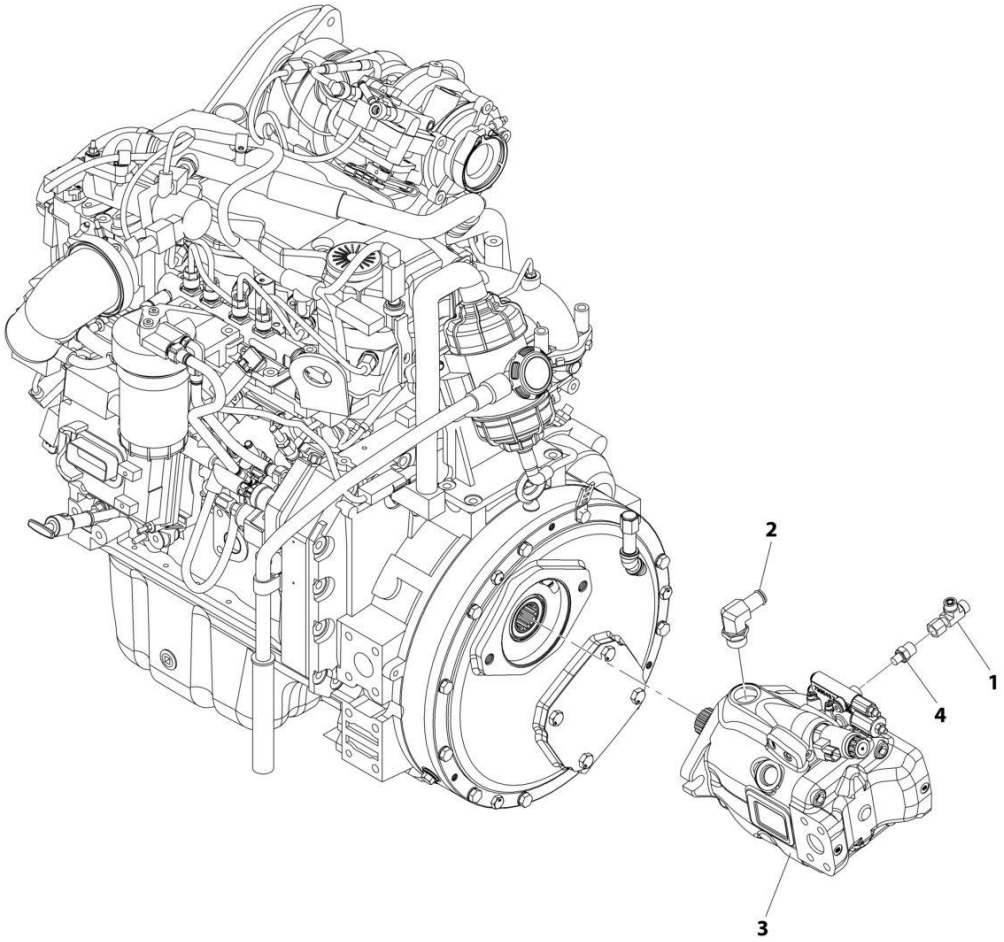


FIGURE 4-21. IMPLEMENT PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245394	Ref	Implement Pump Assembly	B
1	2170706	1	Fitting, Tee ORFS	
2	1001188880	1	Fitting	
3	1001203793	1	Pump (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
4	2110604	1	Fitting, Straight ORFS	

FIGURE 4-22. DEF COOLANT LINES INSTALLATION

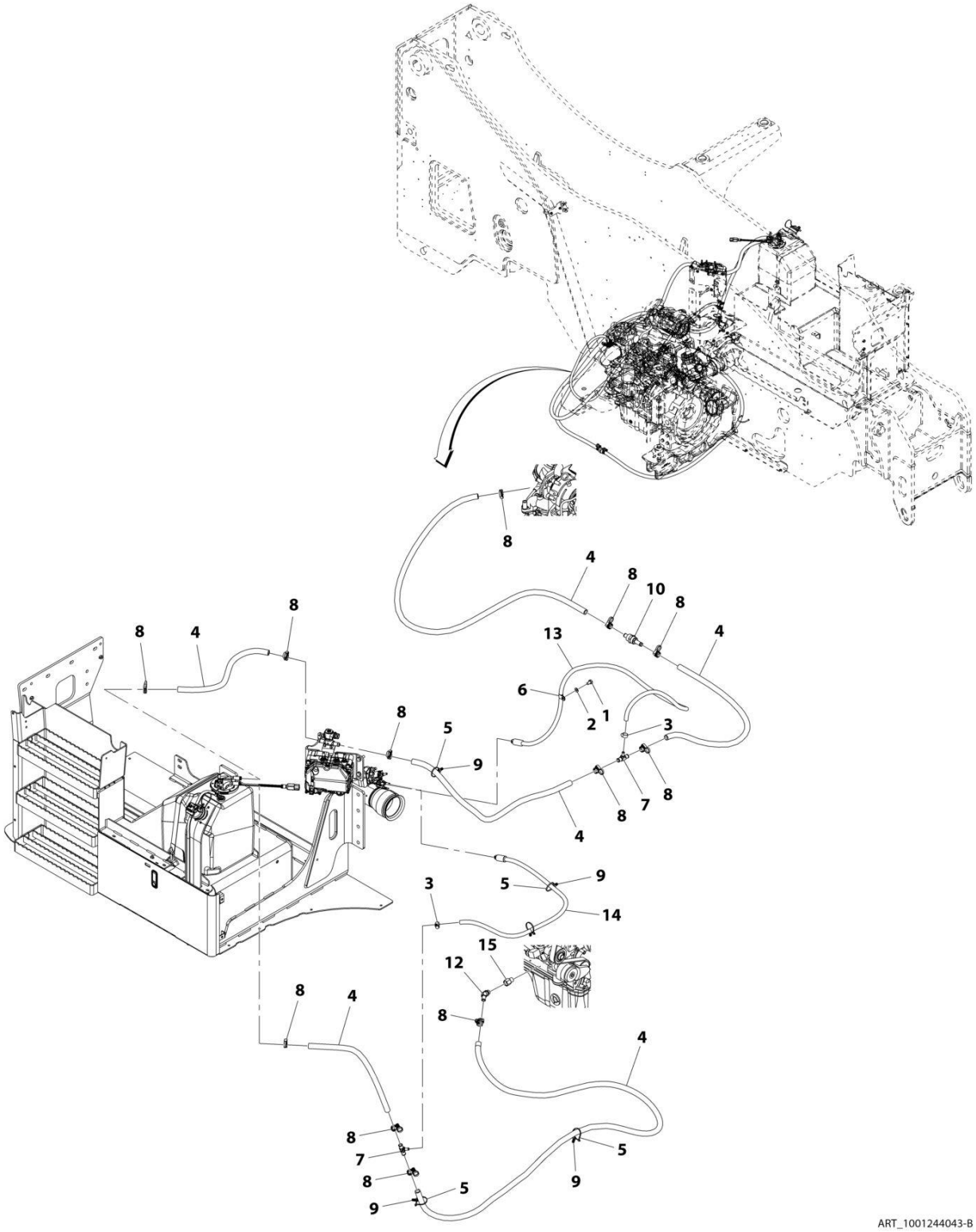


FIGURE 4-22. DEF COOLANT LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244043	Ref	DEF Coolant Lines Installation	B
1	0761008	1	Bolt, M10X16	
2	4812000	1	Washer, M10	
3	8410013	2	Gear Clamp	
4	82033995	9 m	Hose	
5	1001008559	5	Strap	
6	8406101	1	Clip	
7	1001162212	2	Fitting, Tee	
8	1001202526	12	Clamp	
9	1001202986	5	Strap, Fir Tree Push Mount	
10	1001228872	1	Filter	
12	1001238153	1	Fitting, Straight	
13	1001243728	1	Hose	
14	1001243729	1	Hose	
15	1001245075	1	Adapter	

FIGURE 4-23. DEF TANK INSTALLATION

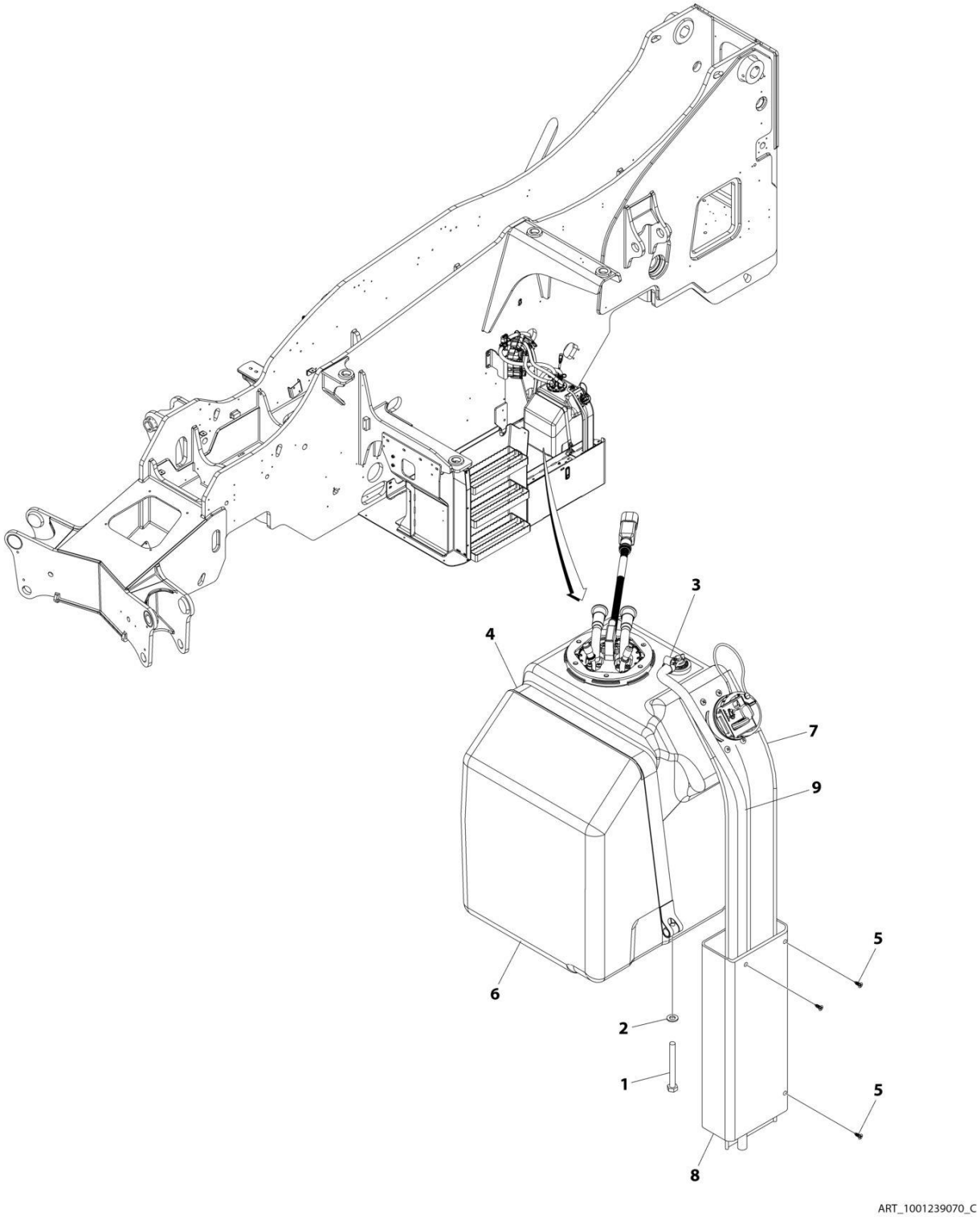


FIGURE 4-23. DEF TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239070	Ref	DEF TANK INSTALLATION	C
1	0760823	1	Bolt M8 x 75	
2	4811900	1	Washer M8	
3	8405009	1	Clamp, Gear	
4	1001178791	1	Strap, Tank	
5	1001226681	3	Screw	
6	1001279210	1	Assembly, DEF Tank (See Separate Breakdown in this Section)	
7	1001239149	1	Sleeve	
8	1001239165	1	Tube	
9	1001175201	887 mm	Hose	

FIGURE 4-24. DEF TANK ASSEMBLY

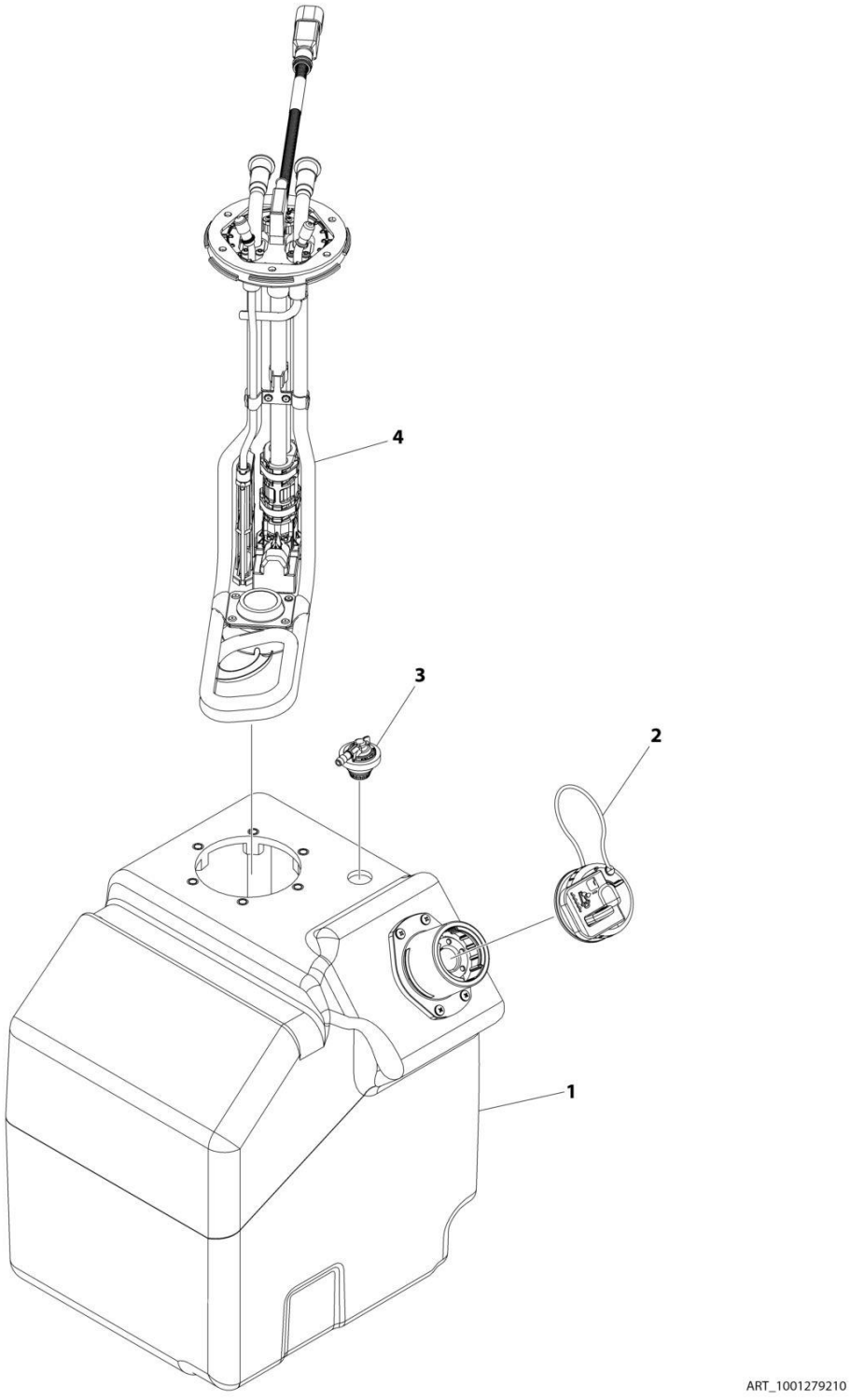


FIGURE 4-24. DEF TANK ASSEMBLY

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

FIGURE 4-25. DEF BREATHER VALVE

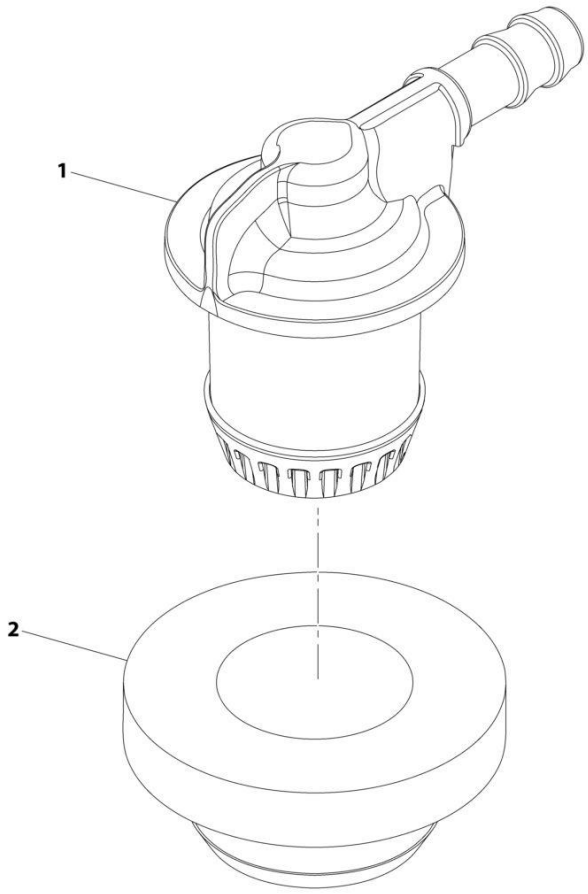


FIGURE 4-25. DEF BREATHER VALVE

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

FIGURE 4-26. COOLING PACKAGE INSTALLATION (CUMMINS 4.5L) (1075)

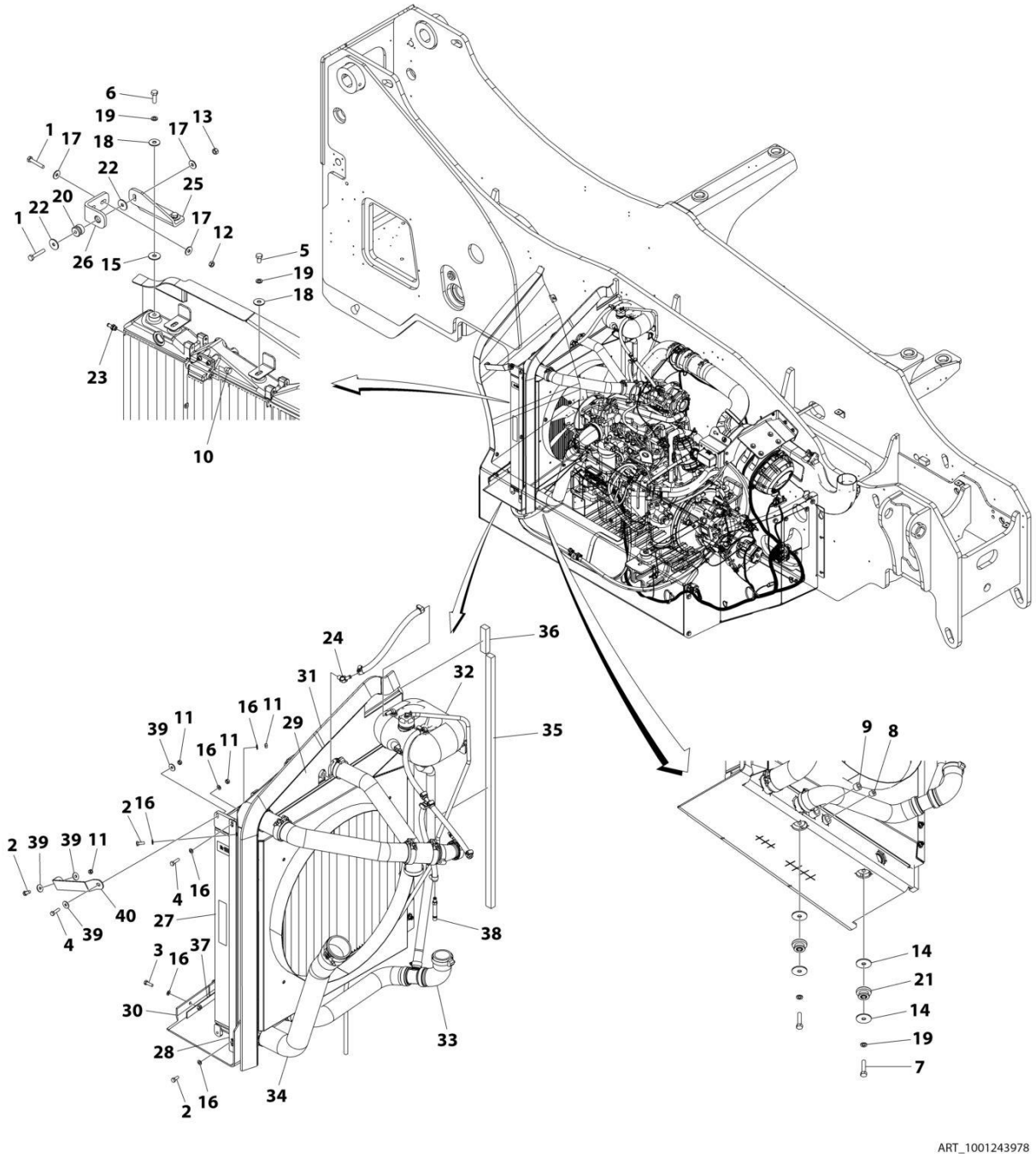


FIGURE 4-26. COOLING PACKAGE INSTALLATION (CUMMINS 4.5L) (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243978	Ref	COOLING PACKAGE INSTALLATION (CUMMINS 4.5L)	C
1	0701020	3	Bolt M10 x 60	
2	0760810	3	Bolt M8 x 20	
3	0760812	4	Bolt M8 x 25	
4	0760814	2	Bolt M8 x 30	
5	0761210	1	Bolt M12 x 20	
6	0761215	2	Bolt M12 x 35	
7	0761218	2	Bolt M12 x 50	
8	2200223	1	Plug	
9	2200224	1	Plug	
10	2220237	2	Plug	
11	3290801	4	Nut M8 x 1.25	
12	3291001	2	Nut M10 x 1.5	
13	3291005	1	Nut M10 x 1.5	
14	4740274	4	Washer	
15	4740550	1	Washer M12	
16	4811900	9	Washer M8	
17	4812002	5	Washer M10	
18	4812102	3	Washer M12	
19	4832100	5	Washer M12	
20	8278020	1	Mount	
21	1001114803	2	Mount	
22	1001155540	2	Washer	
23	1001168030	2	Barb, Hose	
24	1001174356	1	Barb, Hose	
25	1001200498	1	Bracket, Radiator	
26	1001200499	1	Bracket, Frame	
27	1001237936	1	Radiator Cooling Package (See Separate Breakdown in this Section)	
28	1001250184	1	Plate	
29	1001250185	1	Bracket	
30	1001250183	1	Panel, Air Dam	
31	1001243961	1	Seal, Foam Gasket	
32	1001244051	1	Installation, Surge Tank (See Separate Breakdown in this Section)	
33	1001244052	1	Installation, Coolant Lines (See Separate Breakdown in this Section)	
34	1001244053	1	Installation, CAC Lines (See Separate Breakdown in this Section)	
35	1001244117	1	Seal, Foam Gasket	
36	1001244118	1	Seal, Foam Gasket	
37	1001247366	1	Bracket	
38	1001252525	1	Coupling	
39	4811902	4	Washer	
40	1001250190	1	Bracket	

FIGURE 4-27. COOLING PACKAGE INSTALLATION (CUMMINS 4.5L) (4523)

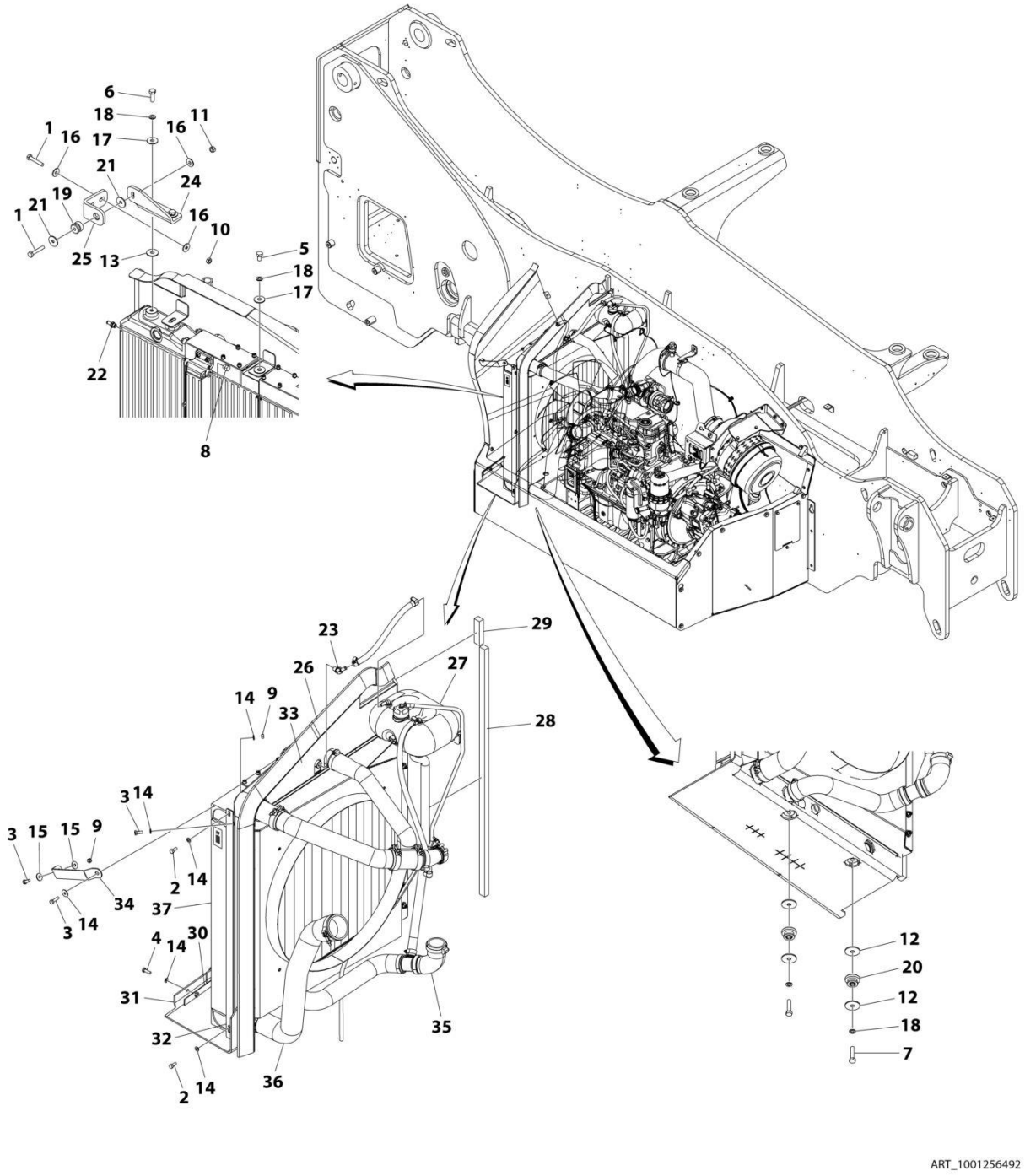


FIGURE 4-27. COOLING PACKAGE INSTALLATION (CUMMINS 4.5L) (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256492	Ref	COOLING PACKAGE INSTALLATION (CUMMINS 4.5L)	A
1	0701020	3	Bolt M10 x 60	
2	0760807	2	Bolt M8 x 14	
3	0760810	3	Bolt M8 x 20	
4	0760812	4	Bolt M8 x 25	
5	0761210	1	Bolt M12 x 20	
6	0761215	2	Bolt M12 x 35	
7	0761218	2	Bolt M12 x 50	
8	2220237	2	Plug	
9	3290801	2	Nut M8 x 1.25	
10	3291001	2	Nut M10 x 1.5	
11	3291005	1	Nut M10 x 1.5	
12	4740274	4	Washer	
13	4740550	1	Washer M12	
14	4811900	9	Washer M8	
15	4811902	2	Washer	
16	4812002	5	Washer M10	
17	4812102	3	Washer M12	
18	4832100	5	Washer M12	
19	8278020	1	Mount	
20	1001114803	2	Mount	
21	1001155540	2	Washer	
22	1001168030	2	Fitting, Straight	
23	1001174356	1	Fitting, 45	
24	1001200498	1	Bracket, Radiator	
25	1001200499	1	Bracket, Frame	
26	1001243961	1	Seal, Foam Gasket	
27	1001244051	1	Installation, Surge Tank (See Separate Breakdown in this Section)	
28	1001244117	1	Seal, Foam Gasket	
29	1001244118	1	Seal, Foam Gasket	
30	1001247366	1	Bracket	
31	1001250183	1	Panel, Air Dam	
32	1001250184	1	Plate	
33	1001250185	1	Bracket	
34	1001250190	1	Bracket	
35	1001256500	1	Installation, Coolant Lines (See Separate Breakdown in this Section)	
36	1001256501	1	Installation, CAC Lines (See Separate Breakdown in this Section)	
37	1001262349	1	Radiator Cooling Package (See Separate Breakdown in this Section)	

FIGURE 4-28. COOLING PACKAGE INSTALLATION (ASOV) (1075)

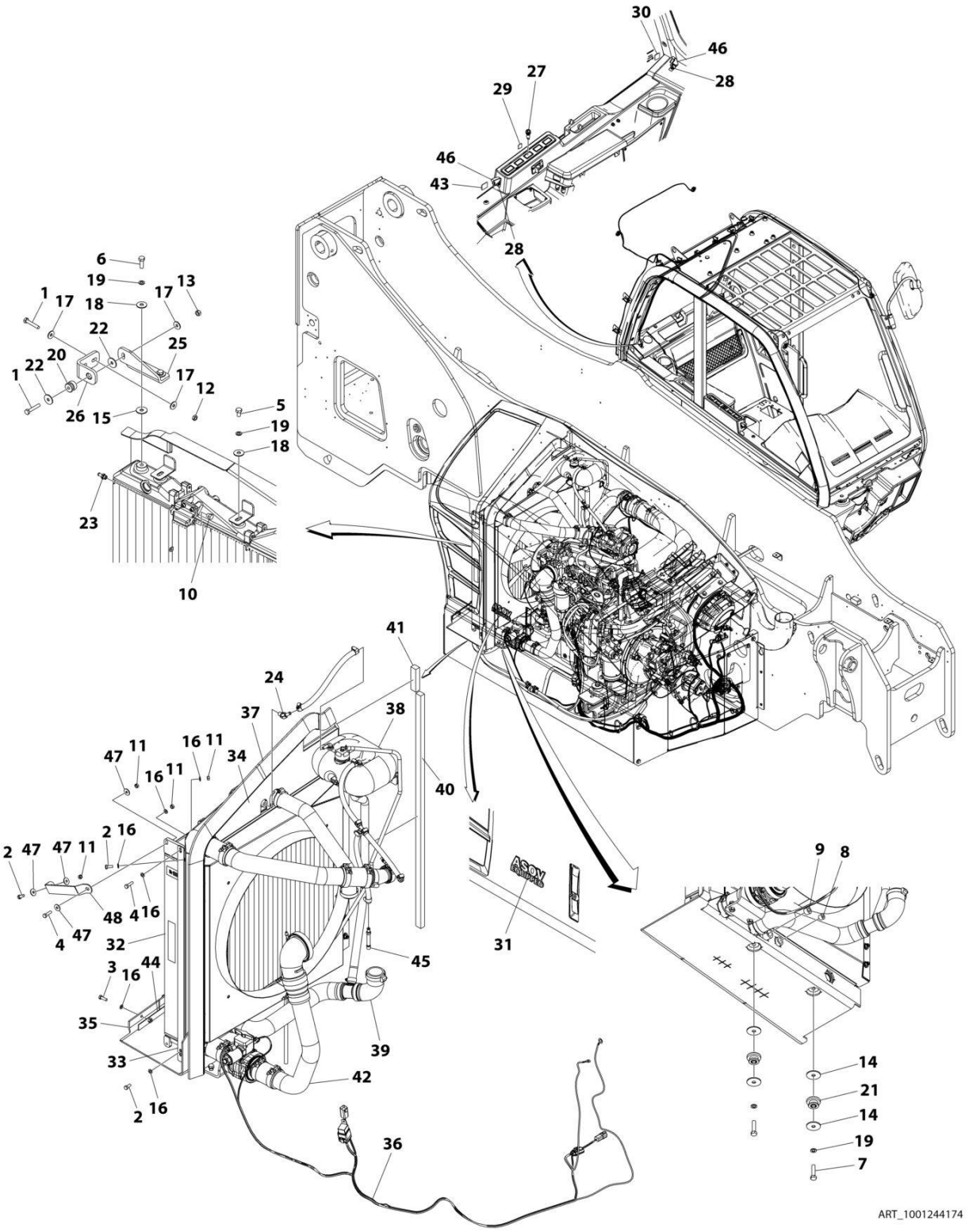


FIGURE 4-28. COOLING PACKAGE INSTALLATION (ASOV) (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244174	Ref	COOLING PACKAGE INSTALLATION (ASOV)	C
1	0701020	3	Bolt M10 x 60	
2	0760810	3	Bolt M8 x 20	
3	0760812	4	Bolt M8 x 25	
4	0760814	2	Bolt M8 x 30	
5	0761210	1	Bolt M12 x 20	
6	0761215	2	Bolt M12 x 35	
7	0761218	2	Bolt M12 x 50	
8	2200223	1	Plug	
9	2200224	1	Plug	
10	2220237	2	Plug	
11	3290801	4	Nut M8 x 1.25	
12	3291001	2	Nut M10 x 1.5	
13	3291005	1	Nut M10 x 1.5	
14	4740274	4	Washer	
15	4740550	1	Washer M12	
16	4811900	9	Washer M8	
17	4812002	5	Washer M10	
18	4812102	3	Washer M12	
19	4832100	5	Washer M12	
20	8278020	1	Mount	
21	1001114803	2	Mount	
22	1001155540	2	Washer	
23	1001168030	2	Barb, Hose	
24	1001174356	1	Barb, Hose	
25	1001200498	1	Bracket, Radiator	
26	1001200499	1	Bracket, Frame	
27	1001200631	1	Lamp, LED Indicator	
28	1001255706	2	Switch	
29	1001227077	1	Decal, Air Shut Off	
30	1001227964	1	Decal, ASOV Test	
31	1001228643	1	Decal, ASOV Equipped	
32	1001237936	1	Radiator Cooling Package (See Separate Breakdown in this Section)	
33	1001250184	1	Plate	
34	1001250185	1	Bracket	
35	1001250183	1	Panel, Air Dam	
36	1001243540	1	ASOV Harness (See Separate Breakdown in ELECTRICAL Section)	
37	1001243961	1	Seal, Foam Gasket	
38	1001244051	1	Installation, Surge Tank (See Separate Breakdown in this Section)	
39	1001244052	1	Installation, Coolant Lines (See Separate Breakdown in this Section)	
40	1001244117	1	Seal, Foam Gasket	
41	1001244118	1	Seal, Foam Gasket	
42	1001244175	1	Installation, CAC Lines (See Separate Breakdown in this Section)	
43	1001246971	1	Decal, ASOV E-Stop	
44	1001247366	1	Bracket	
45	1001252525	1	Coupling	
46	1001255723	2	Switch, Toggle Guard	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	4811902	4	Washer	
48	1001250190	1	Bracket	

FIGURE 4-29. COOLING PACKAGE INSTALLATION (ASOV) (4523)

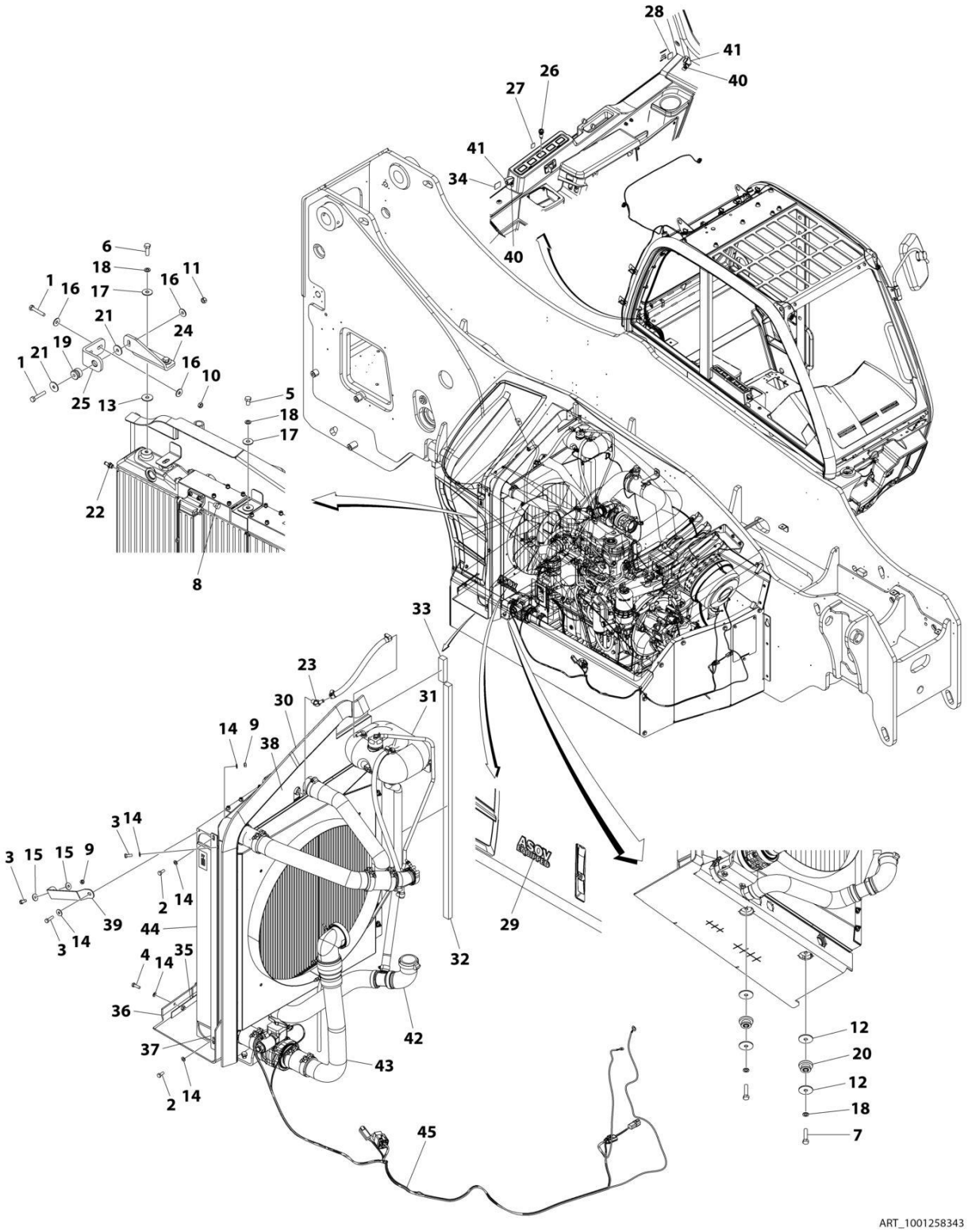


FIGURE 4-29. COOLING PACKAGE INSTALLATION (ASOV) (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258343	Ref	COOLING PACKAGE INSTALLATION (ASOV)	A
1	0701020	3	Bolt M10 x 60	
2	0760807	2	Bolt M8 x 14	
3	0760810	3	Bolt M8 x 20	
4	0760812	4	Bolt M8 x 25	
5	0761210	1	Bolt M12 x 20	
6	0761215	2	Bolt M12 x 35	
7	0761218	2	Bolt M12 x 50	
8	2220237	2	Plug	
9	3290801	2	Nut M8	
10	3291001	2	Nut M10	
11	3291005	1	Nut M10	
12	4740274	4	Washer	
13	4740550	1	Washer M12	
14	4811900	9	Washer M8	
15	4811902	2	Washer M8	
16	4812002	5	Washer M10	
17	4812102	3	Washer M12	
18	4832100	5	Washer M12	
19	8278020	1	Mount	
20	1001114803	2	Mount	
21	1001155540	2	Washer	
22	1001168030	2	Fitting, Straight	
23	1001174356	1	Fitting, 45	
24	1001200498	1	Bracket, Radiator	
25	1001200499	1	Bracket, Frame	
26	1001200631	1	Lamp, LED Indicator	
27	1001227077	1	Decal, Air Shut Off	
28	1001227964	1	Decal, ASOV Test	
29	1001228643	1	Decal, ASOV Equipped	
30	1001243961	1	Seal, Foam Gasket	
31	1001244051	1	Installation, Surge Tank (See Separate Breakdown in this Section)	
32	1001244117	1	Seal, Foam Gasket	
33	1001244118	1	Seal, Foam Gasket	
34	1001246971	1	Decal, ASOV E-Stop	
35	1001247366	1	Bracket	
36	1001250183	1	Panel, Air Dam	
37	1001250184	1	Plate	
38	1001250185	1	Bracket	
39	1001250190	1	Bracket	
40	1001255706	2	Switch	
41	1001255723	2	Switch, Toggle Guard	
42	1001256500	1	Installation, Coolant Lines (See Separate Breakdown in this Section)	
43	1001258344	1	Installation, CAC Lines (See Separate Breakdown in this Section)	
44	1001262349	1	Radiator Cooling Package (See Separate Breakdown in this Section)	
45	1001243540	1	ASOV Harness (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 4-30. RADIATOR ASSEMBLY (1075)

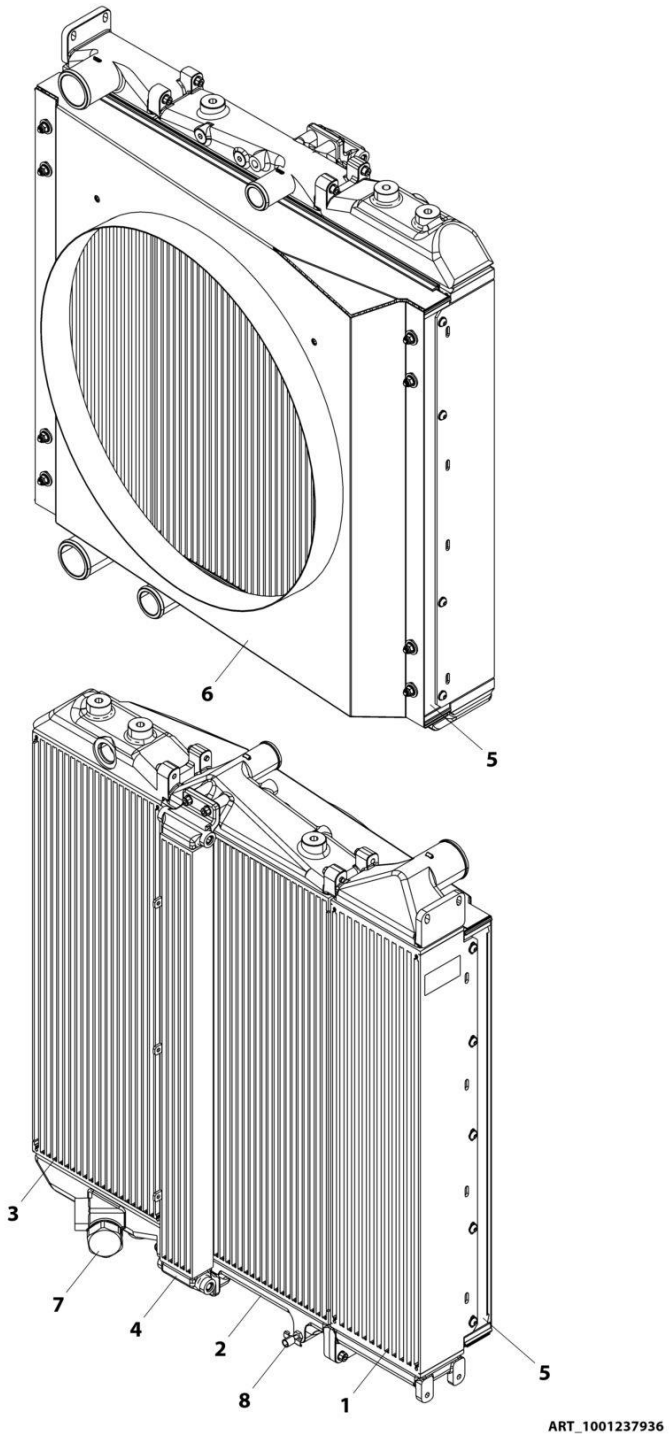


FIGURE 4-30. RADIATOR ASSEMBLY (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237936	Ref	Radiator Assembly	D
1	70030086	1	Charge Air Cooler	
2	70026354	1	Radiator	
3	70028550	1	HYD Oil Cooler	
4	70026357	1	Fuel Cooler	
5	70026359	2	Bracket, Shroud Mounting	
6	70030087	1	Shroud	
7	70028548	1	Valve Bypass	
8	70026081	1	Petcock	

FIGURE 4-31. RADIATOR ASSEMBLY (4523)

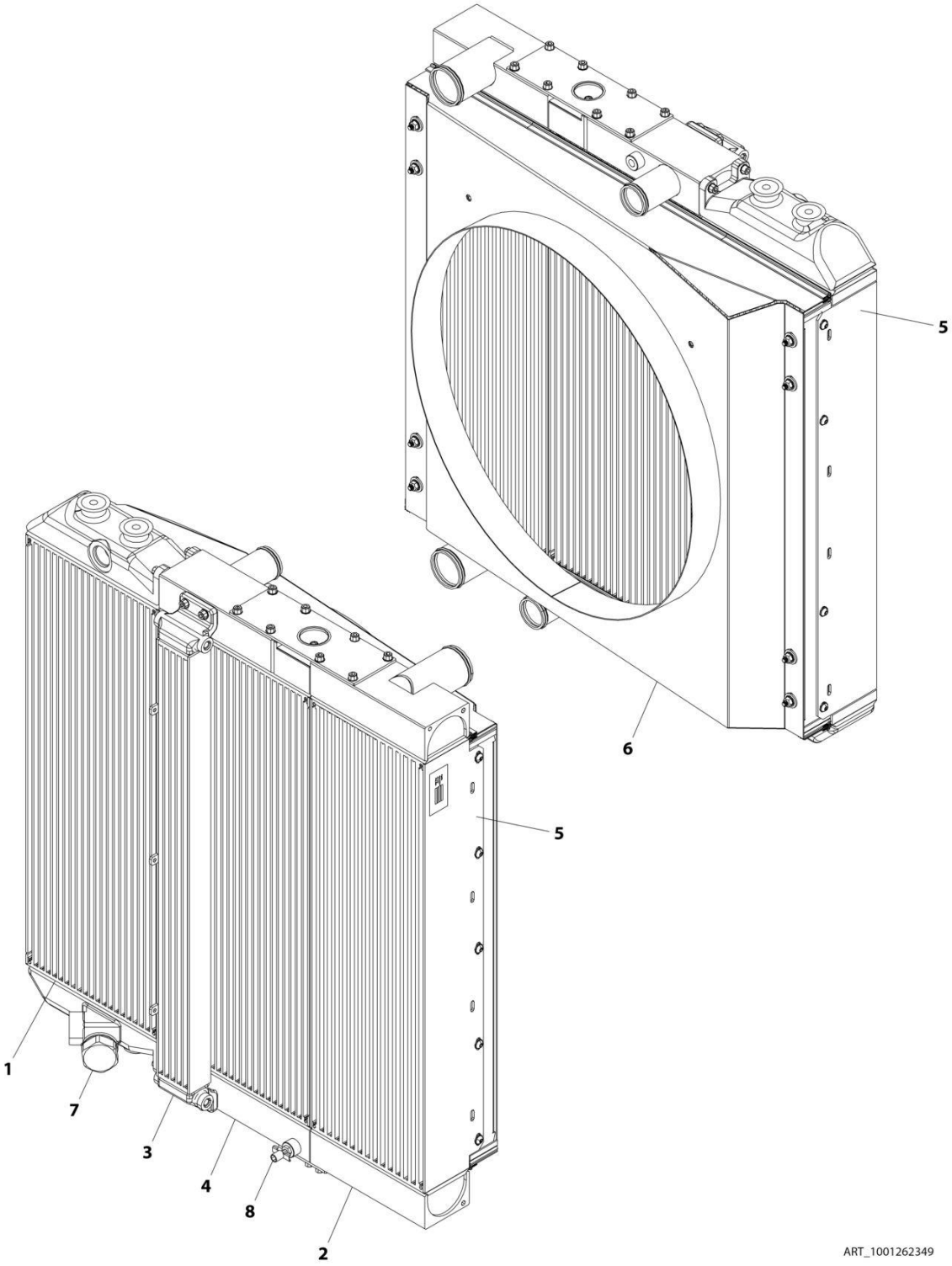


FIGURE 4-31. RADIATOR ASSEMBLY (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262349	Ref	RADIATOR COOLING PACKAGE	A
1	70028550	1	Hydraulic Oil Cooler	
2	70030287	1	Charge Air Cooler	
3	70026357	1	Fuel Cooler	
4	70030288	1	Radiator	
5	70026359	2	Bracket, Shroud Mounting	
6	70030087	1	Shroud	
7	70028548	1	Valve, Bypass	
8	70026081	1	Petcock	

FIGURE 4-32. SURGE TANK INSTALLATION

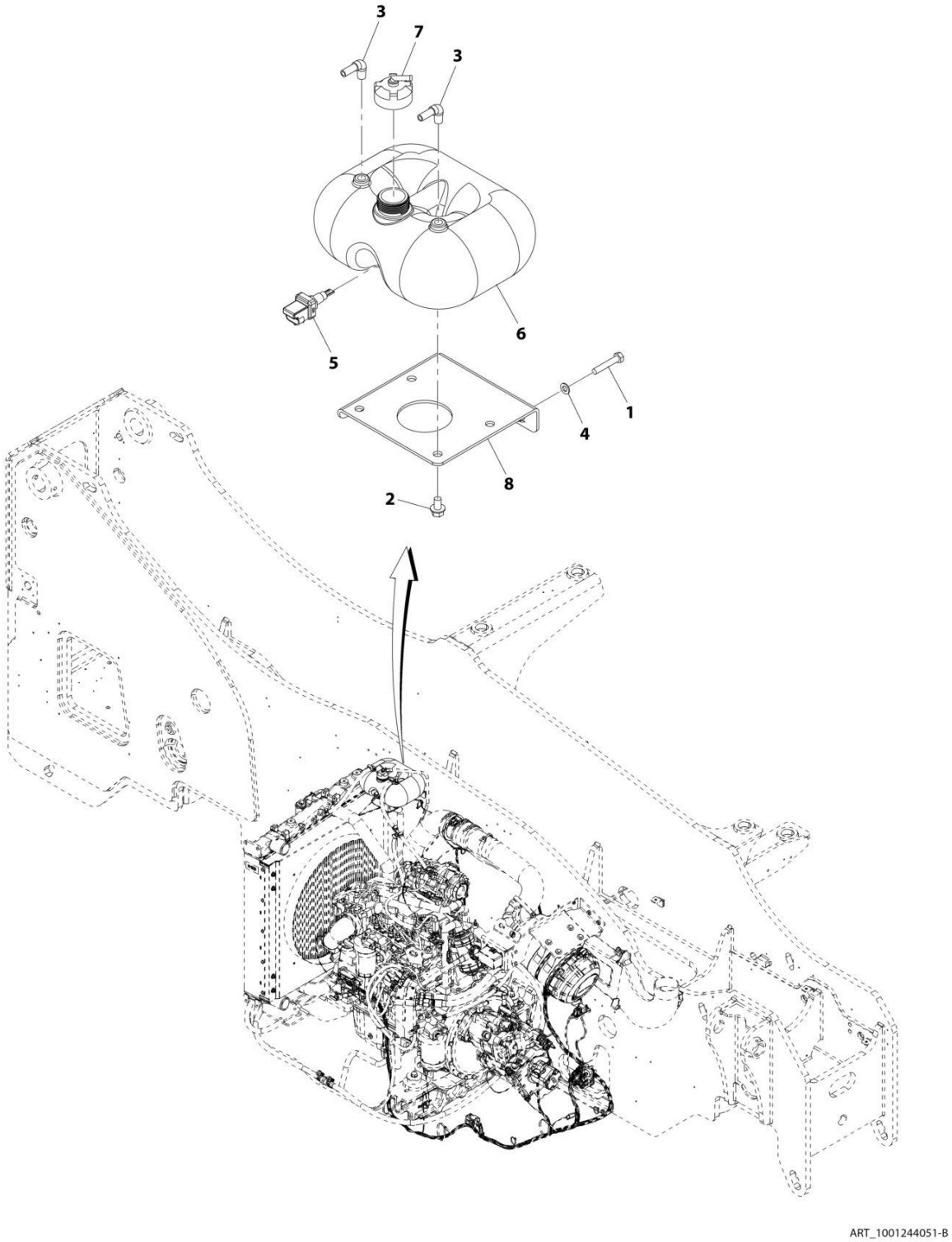


FIGURE 4-32. SURGE TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244051	Ref	Surge Tank Installation	B
1	0700817	2	Bolt, M8X45	
2	0791605	4	Bolt, M3/8-16X5/8	
3	2180467	2	Fitting	
4	4811900	2	Washer, M8	
5	1001121955	1	Sensor, Coolant Level	
6	1001128144	1	Tank, Coolant	
7	1001128341	1	Cap	
8	1001163637	1	Bracket, Coolant Tank	

FIGURE 4-33. COOLANT LINES INSTALLATION (1075)

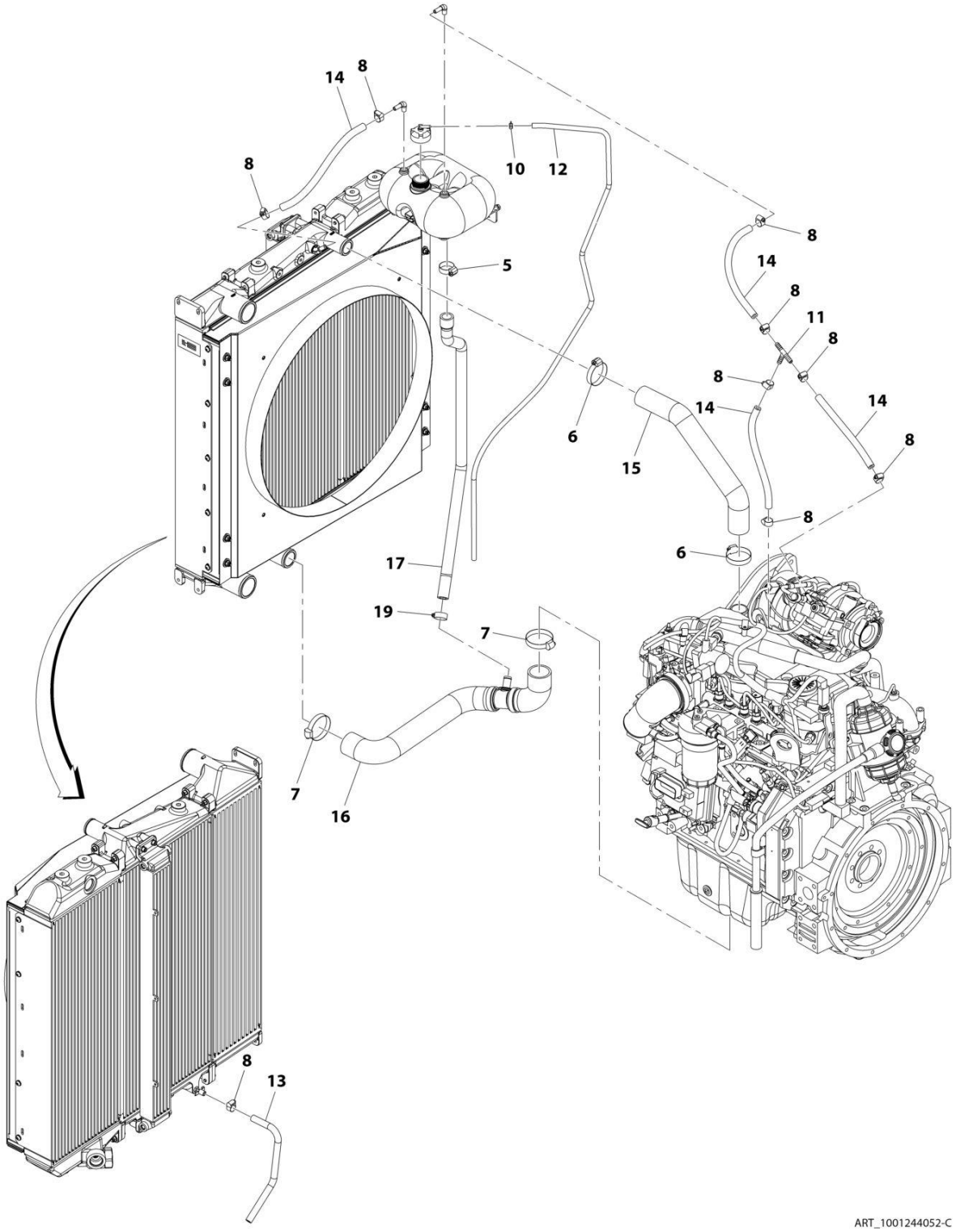


FIGURE 4-33. COOLANT LINES INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244052	Ref	Coolant Lines Installation	C
5	8405101	1	Clamp, Gear	
6	8405201	2	Clamp, Gear	
7	8405202	2	Clamp, Gear	
8	8410013	9	Clamp, Gear	
10	1001144802	1	Clamp, Hose	
11	1001172953	1	Pipe, Tee	
12	1001180542	1680 mm	Hose	
13	1001180553	370 mm	Hose	
14	1001181625	1180 mm	Hose	
15	1001239297	1	Hose	
16	1001239298	1	Hose	
17	1001242685	1	Hose	
19	8405007	1	Clamp, Gear	

FIGURE 4-34. COOLING LINES INSTALLATION (4523)

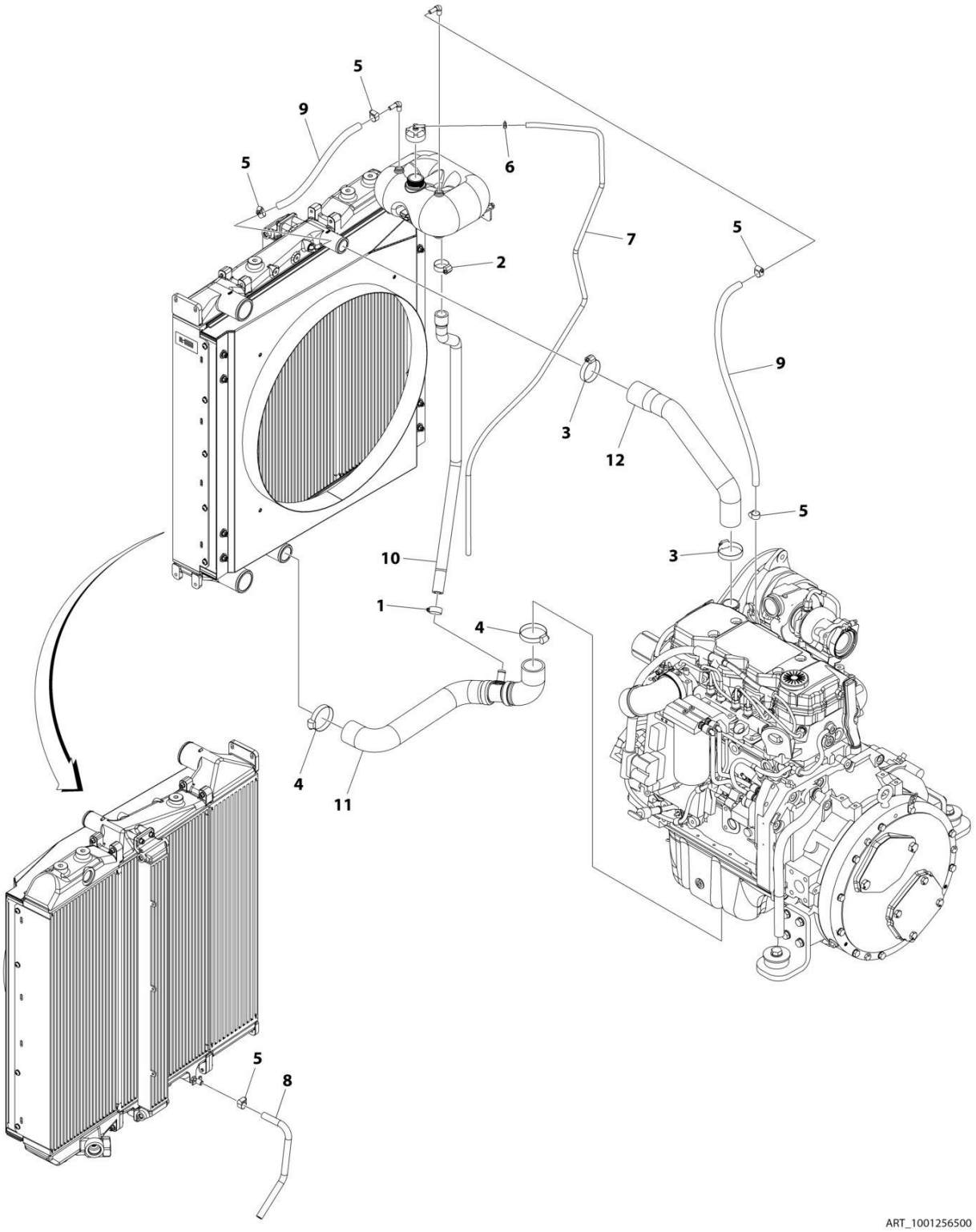


FIGURE 4-34. COOLING LINES INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256500	Ref	COOLING LINES INSTALLATION	A
1	8405007	1	Clamp, Gear	
2	8405101	1	Clamp, Gear	
3	8405201	2	Clamp, Gear	
4	8405202	2	Clamp, Gear	
5	8410013	5	Clamp, Gear	
6	1001144802	1	Clamp, Hose	
7	1001180542	1.7 m / 5.58 ft	Hose	
8	1001180553	0.37 m / 1.21 ft	Hose	
9	1001181625	0.94 m / 3.08 ft	Hose	
10	1001242685	1	Hose	
11	1001262591	1	Hose	
12	1001263425	1	Hose	

FIGURE 4-35. CAC LINES INSTALLATION (WITHOUT ASOV) (1075)

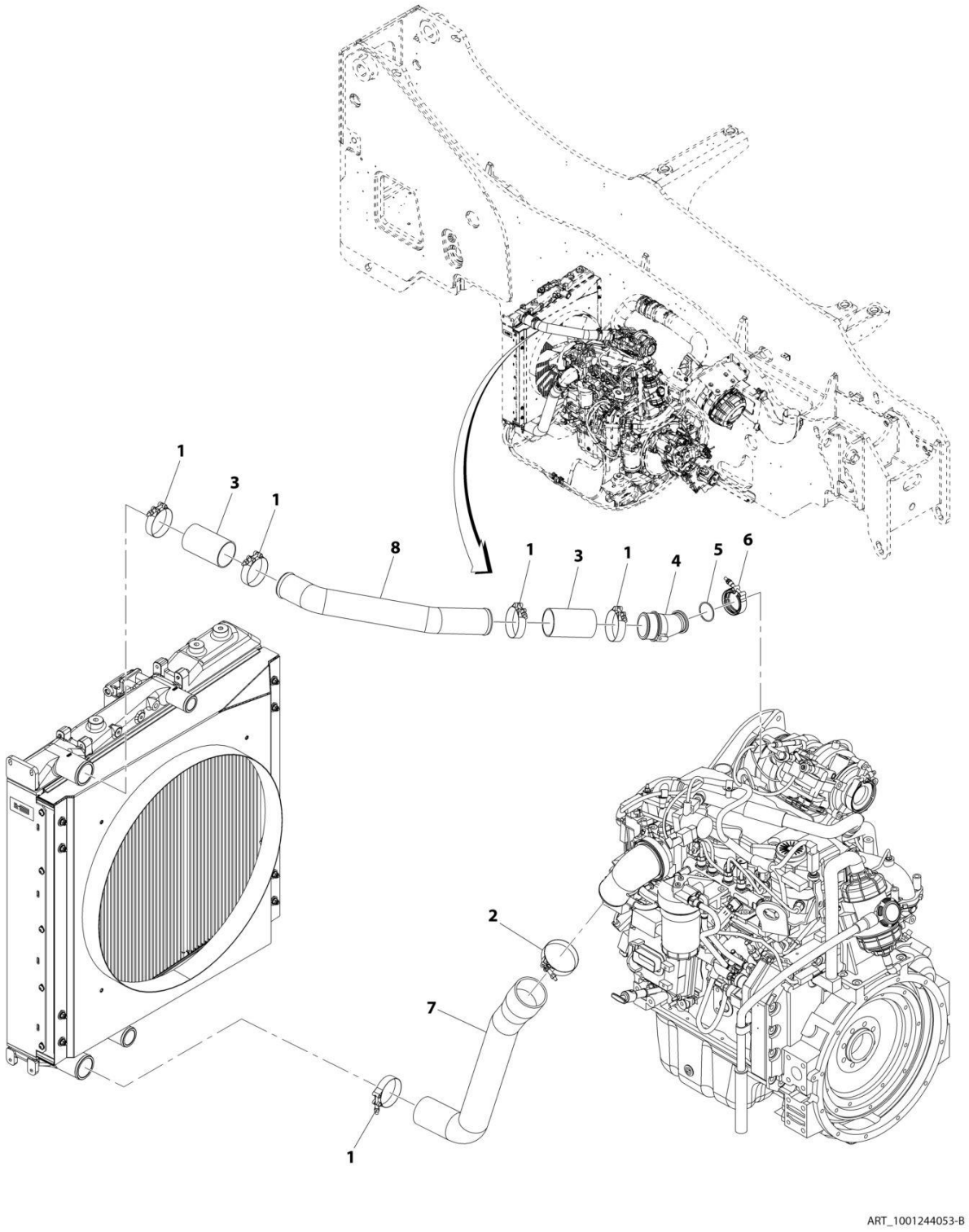


FIGURE 4-35. CAC LINES INSTALLATION (WITHOUT ASOV) (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244053	Ref	CAC Lines Installation	B
1	8405212	5	Clamp, T-Bolt	
2	8405305	1	Clamp, T-Bolt	
3	1001114495	2	Hose	
4	1001161920	1	Adapter Mech	
5	1001238624	1	O-Ring	
6	1001238625	1	Clamp, Pipe-Tube	
7	1001250181	1	Hose	
8	1001250180	1	Pipe	

FIGURE 4-36. CAC LINES INSTALLATION (WITHOUT ASOV) (4523)

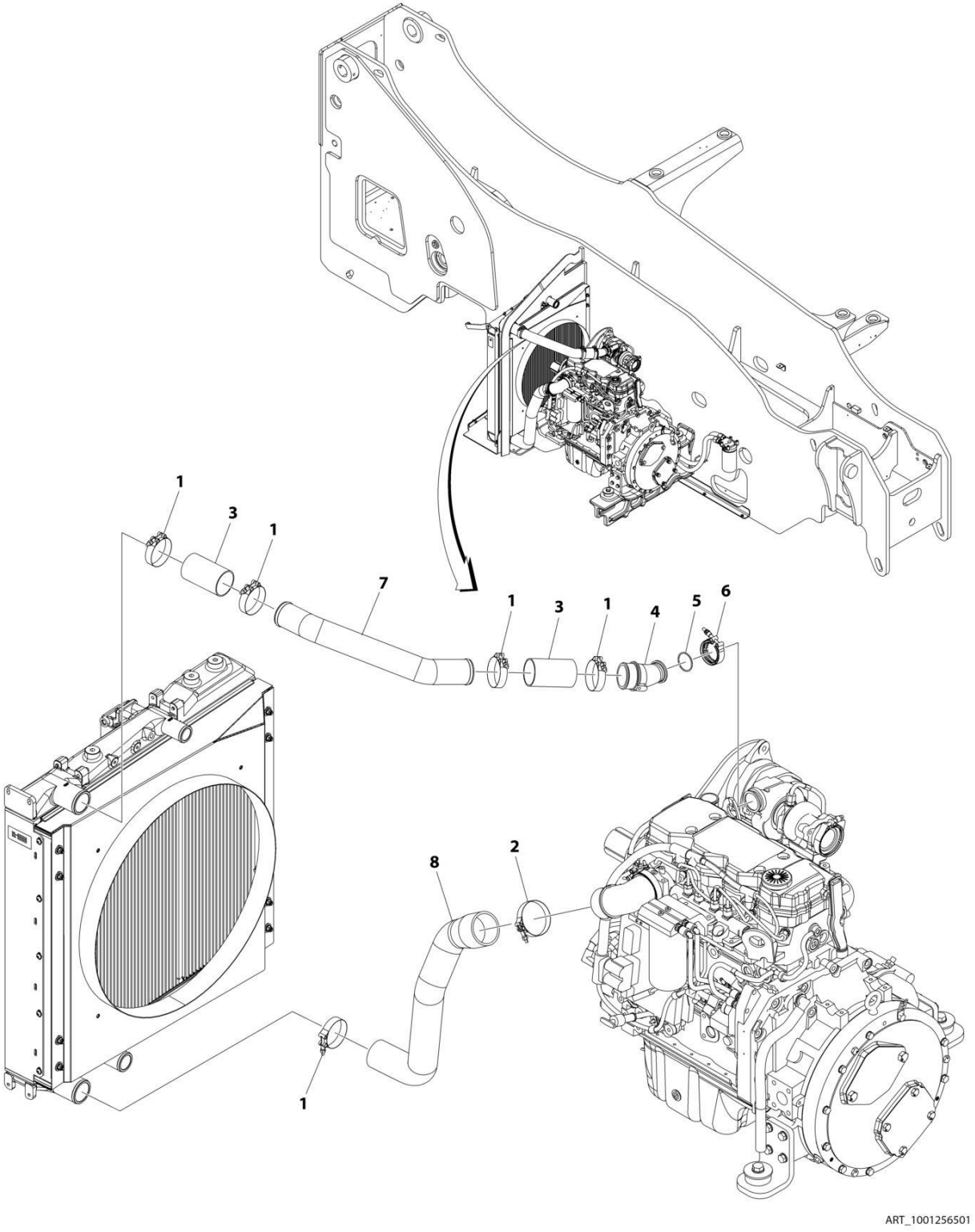


FIGURE 4-36. CAC LINES INSTALLATION (WITHOUT ASOV) (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256501	Ref	CAC LINES INSTALLATION (WITHOUT ASOV)	A
1	8405212	5	Clamp, T-Bolt	
2	8405305	1	Clamp, T-Bolt	
3	1001114495	2	Hose	
4	1001161920	1	Adapter Mech	
5	1001238624	1	O-Ring	
6	1001238625	1	Clamp, Pipe-Tube	
7	1001256504	1	Tube	
8	1001256505	1	Hose	

FIGURE 4-37. CAC LINES INSTALLATION (WITH ASOV) (1075)

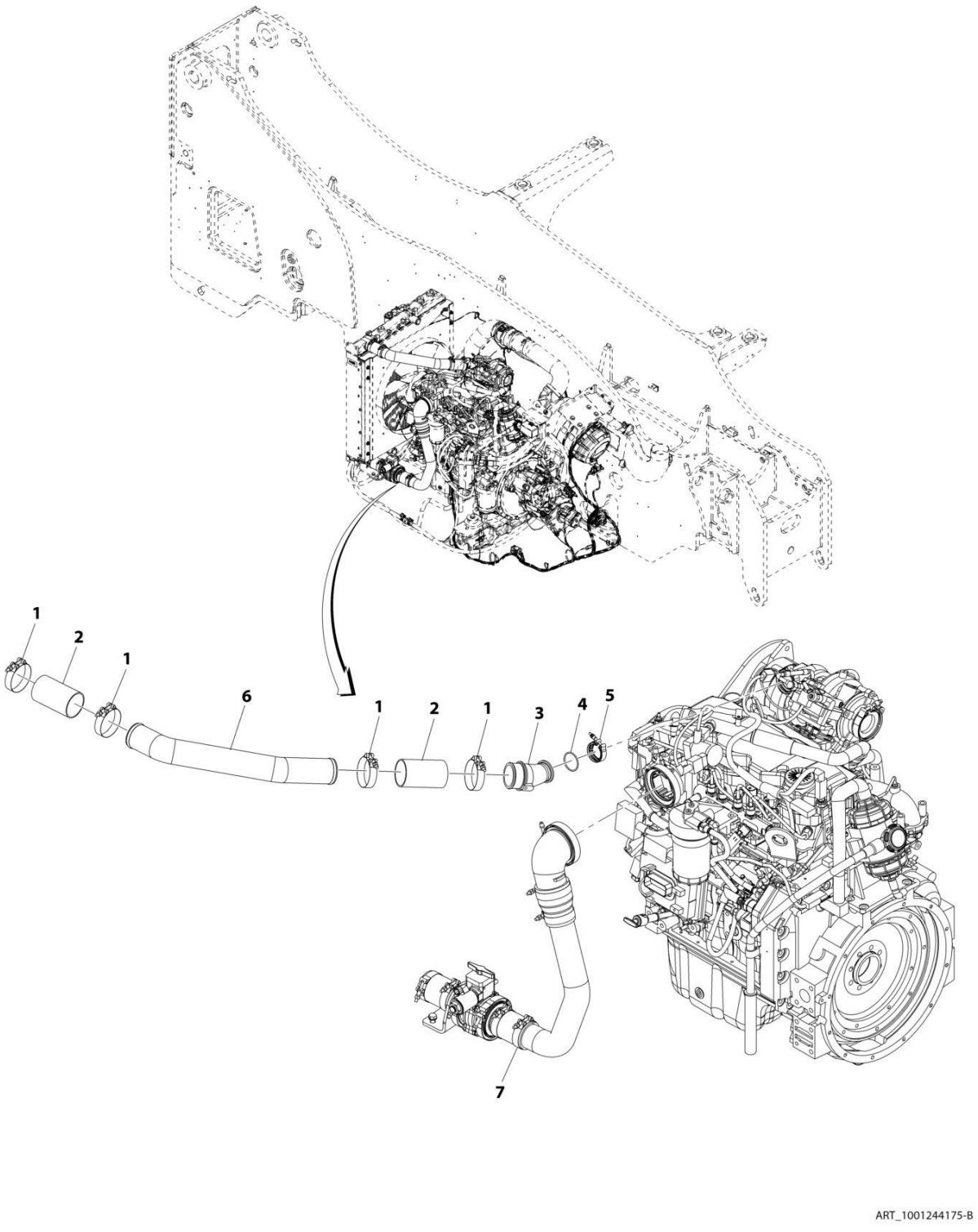


FIGURE 4-37. CAC LINES INSTALLATION (WITH ASOV) (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244175	Ref	CAC Lines Installation (ASOV)	B
1	8405212	4	Clamp, T-Bolt	
2	1001114495	2	Hose	
3	1001161920	1	Adapter Mech	
4	1001238624	1	O-Ring	
5	1001238625	1	Clamp, Pipe-Tube	
6	1001250180	1	Pipe	
7	1001244048	1	Installation, ASOV Lines (See Separate Breakdown in this Section)	

FIGURE 4-38. CAC LINES INSTALLATION (WITH ASOV) (4523)

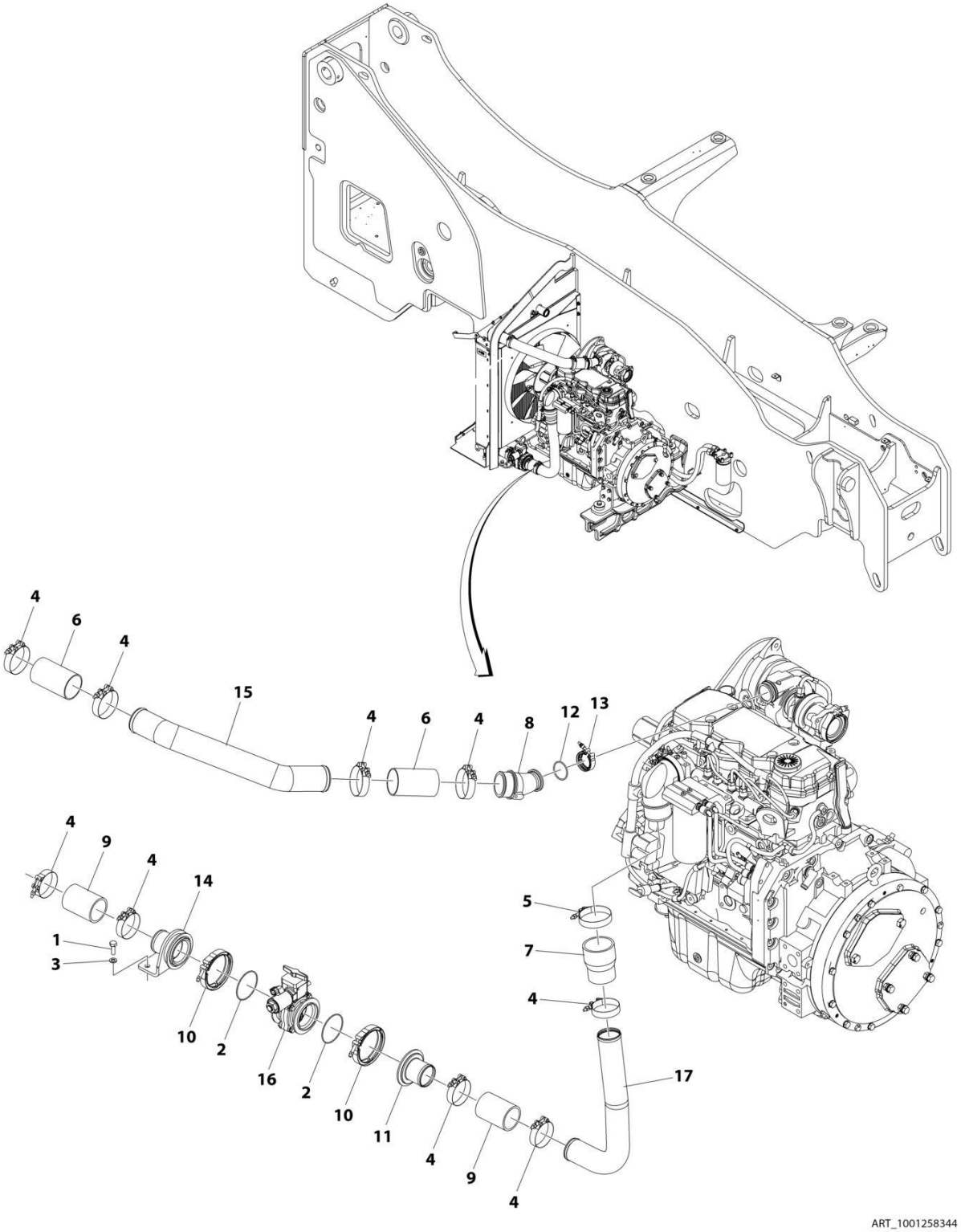


FIGURE 4-38. CAC LINES INSTALLATION (WITH ASOV) (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258344	Ref	CAC LINE INSTALLATION (WITH ASOV)	A
1	0701014	2	Bolt M10 x 30	
2	3790152	2	O-Ring	
3	4812000	2	Washer M10	
4	8405212	9	Clamp, T-Bolt	
5	8405305	1	Clamp, T-Bolt	
6	1001114495	2	Hose	
7	1001138348	1	Hose	
8	1001161920	1	Adapter Mech	
9	1001166416	2	Hose	
10	1001202247	2	V-Clamp	
11	1001223628	1	Adapter Mech	
12	1001238624	1	O-Ring	
13	1001238625	1	Clamp, Pipe-Tube	
14	1001253340	1	Bracket	
15	1001256504	1	Tube	
16	1001257324	1	Valve, Air Shut-Off	
17	1001258345	1	Pipe	

FIGURE 4-39. ASOV LINES INSTALLATION (1075 ONLY)

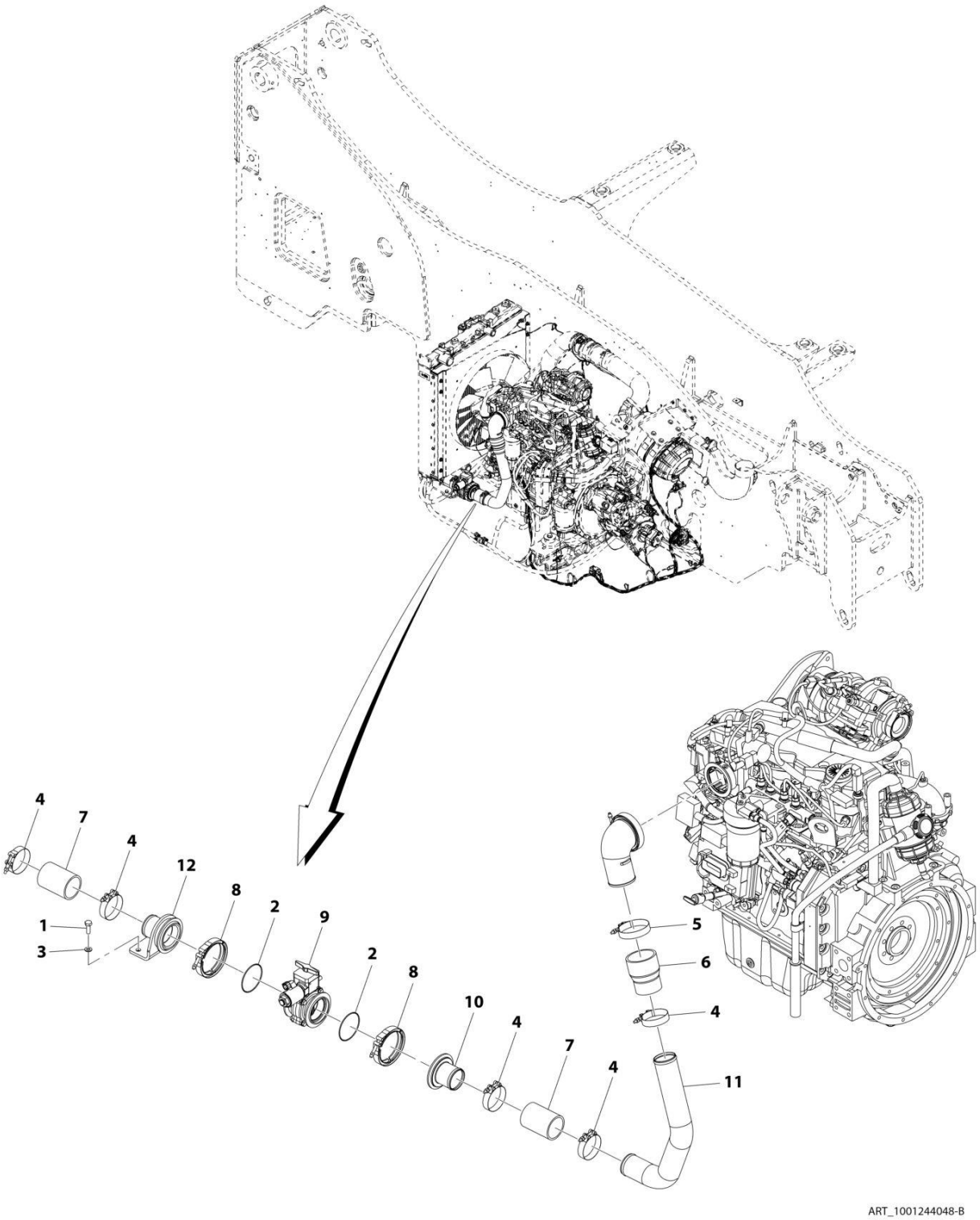


FIGURE 4-39. ASOV LINES INSTALLATION (1075 ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244048	Ref	ASOV Lines Installation	B
1	0701014	2	Bolt, M10X30	
2	3790152	2	Ring	
3	4812000	2	Washer, M10	
4	8405212	5	Clamp, T-Bolt	
5	8405305	1	Clamp, T-Bolt	
6	1001138348	1	Hose	
7	1001166416	2 mm	Hose	
8	1001202247	2	Clamp	
9	1001257324	1	Valve, Air Shut Off	
10	1001223628	1	Adapter Mech	
11	1001250189	1	Pipe	
12	1001253340	1	Bracket	

FIGURE 4-40. FAN GUARD INSTALLATION

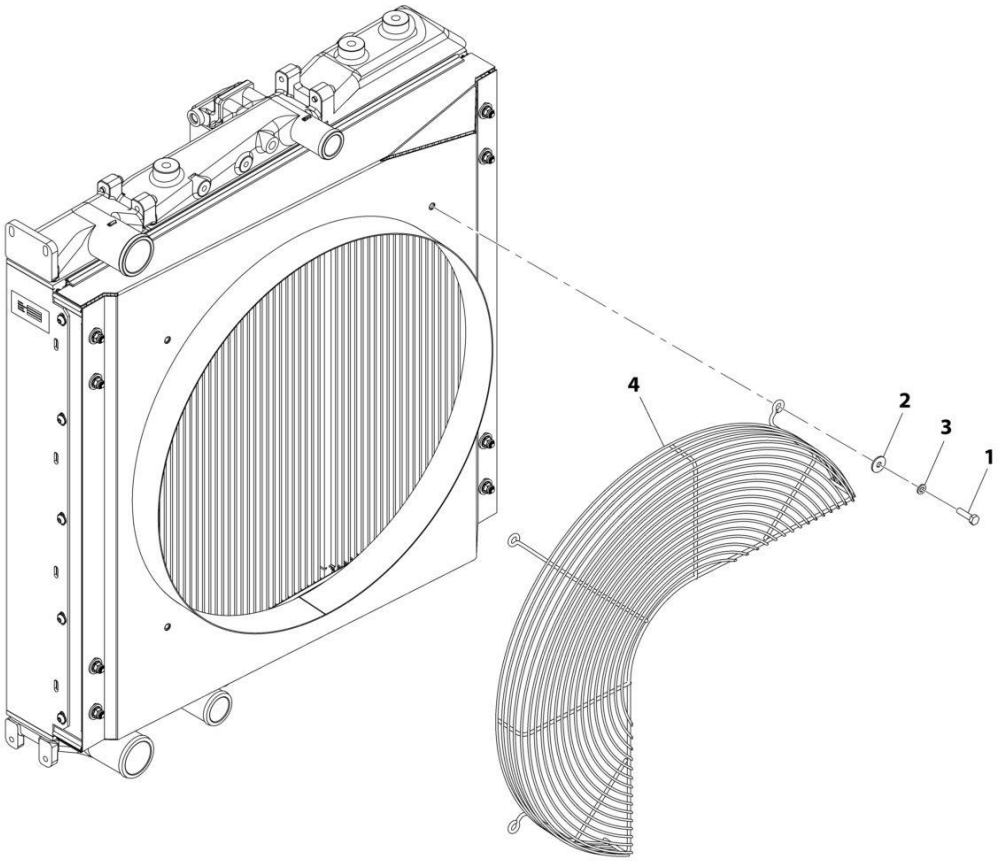


FIGURE 4-40. FAN GUARD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243771	Ref	Fan Guard Installation	B
1	0700814	3	Bolt, M8X30	
2	4811902	3	Washer, M8	
3	4831900	3	Washer, Lock M8	
4	1001243772	1	Grill	

FIGURE 4-41. COOLING FAN INSTALLATION

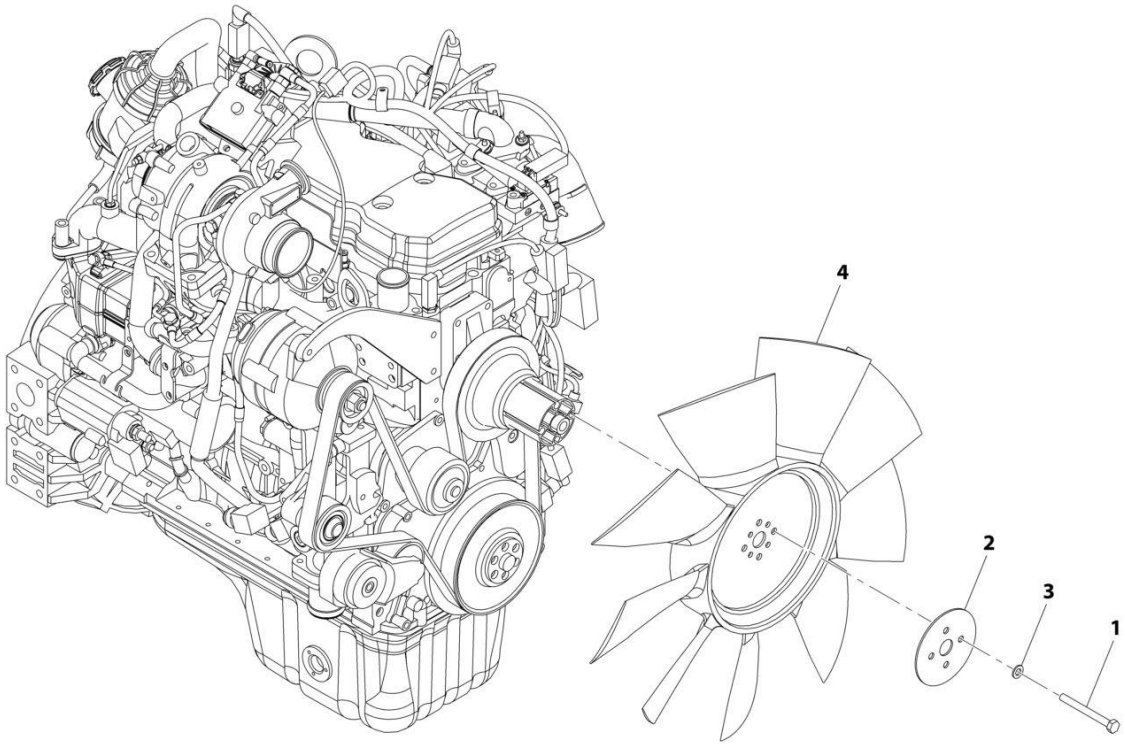


FIGURE 4-41. COOLING FAN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244057	Ref	Cooling Fan Installation	A
1	0701027	4	Bolt, M10X100	
2	3575947	1	Plate	
3	4812000	4	Washer, M10	
4	1001237170	1	Fan, Cooling	

FIGURE 4-42. EXHAUST INSTALLATION (CUMMINS 4.5L)

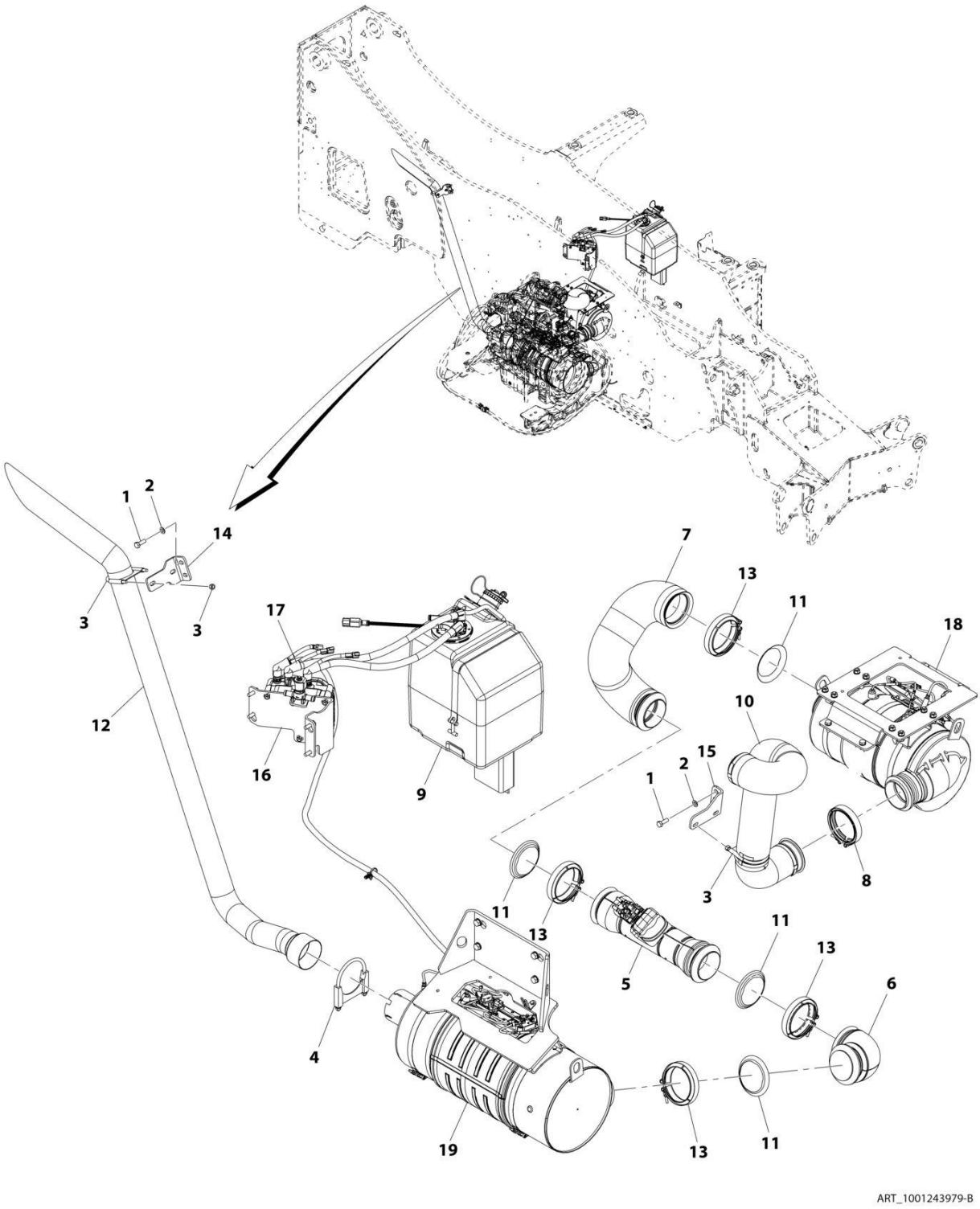


FIGURE 4-42. EXHAUST INSTALLATION (CUMMINS 4.5L)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243979	Ref	Exhaust Installation (Cummins 4.5L)	B
1	0701014	4	Bolt, M10X30	
2	4812000	4	Washer, M10	
3	24921332	2	Clamp	
4	86883127	1	Clamp	
5	1001236528	1	Muffler	
6	1001236556	1	Pipe	
7	1001236557	1	Pipe	
8	1001237181	1	Clamp	
9	1001239070	1	Installation, DEF Tank (See Separate Breakdown in this Section)	
10	1001239301	1	Pipe	
11	1001241318	4	Seal	
12	1001241326	1	Pipe	
13	1001241482	4	Clamp	
14	1001242740	1	Bracket	
15	1001242741	1	Bracket	
16	1001244059	1	Installation, DEF Pump and Control (See Separate Breakdown in this Section)	
17	1001244060	1	Installation, DEF Lines (See Separate Breakdown in this Section)	
18	1001245757	1	Installation, DOC (See Separate Breakdown in this Section)	
19	1001245758	1	Installation, SCR (See Separate Breakdown in this Section)	

FIGURE 4-43. EXHAUST INSTALLATION (4523)

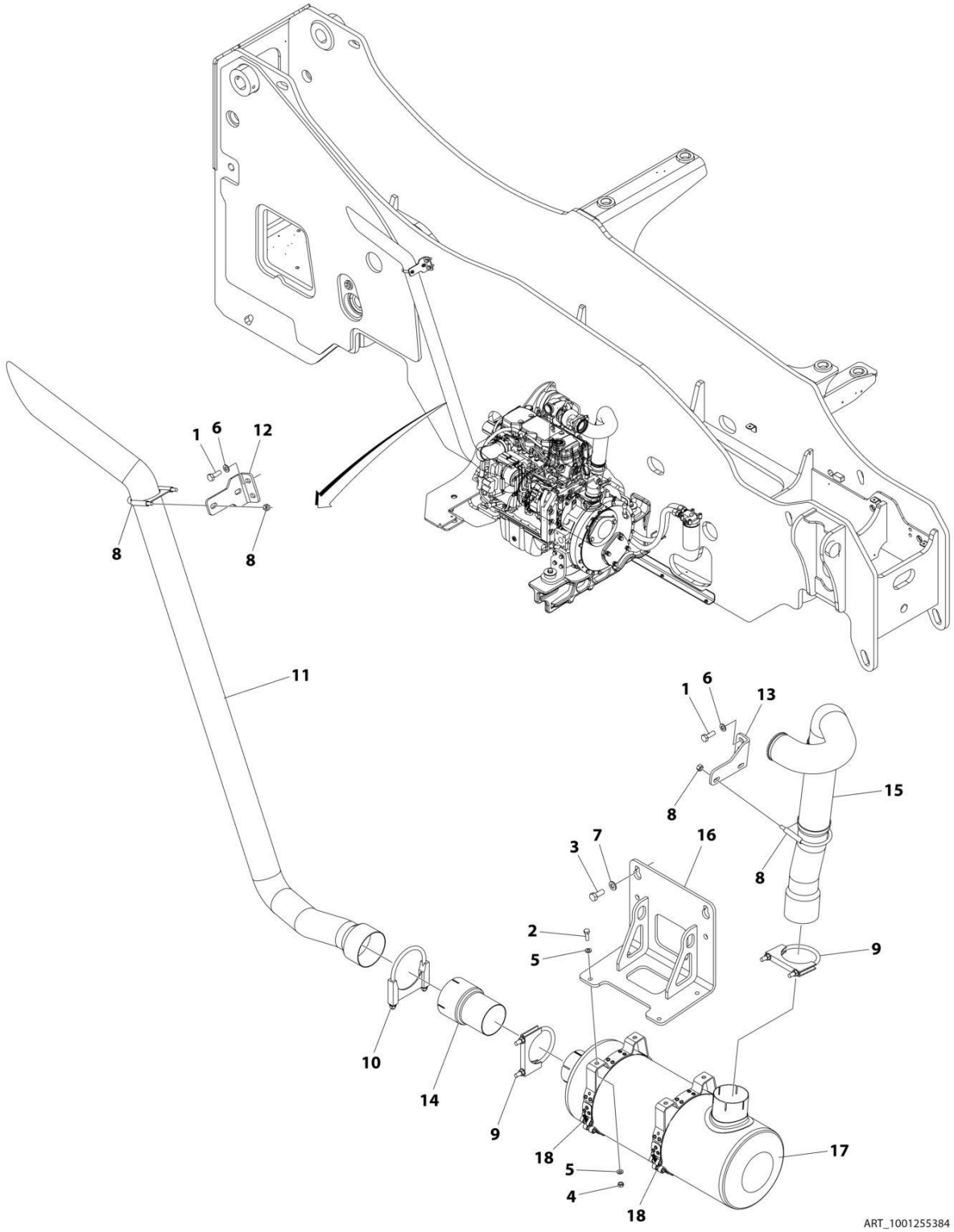


FIGURE 4-43. EXHAUST INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255384	Ref	EXHAUST INSTALLATION	A
1	0701014	4	Bolt M10 x 30	
2	0760812	4	Bolt M8 x 25	
3	0761214	4	Bolt M12 x 30	
4	3290801	4	Nut M8	
5	4811900	8	Washer M8	
6	4812000	4	Washer M10	
7	4812100	4	Washer M12	
8	24921332	2	Clamp	
9	86671583	2	Clamp	
10	86883127	1	Clamp	
11	1001241326	1	Pipe	
12	1001242740	1	Bracket	
13	1001242741	1	Bracket	
14	1001255385	1	Pipe	
15	1001255386	1	Pipe	
16	1001255387	1	Bracket	
17	1001263267	1	Muffler	
18	1001263268	2	Clamp	

FIGURE 4-44. CAB HEATER LINES INSTALLATION (1075)

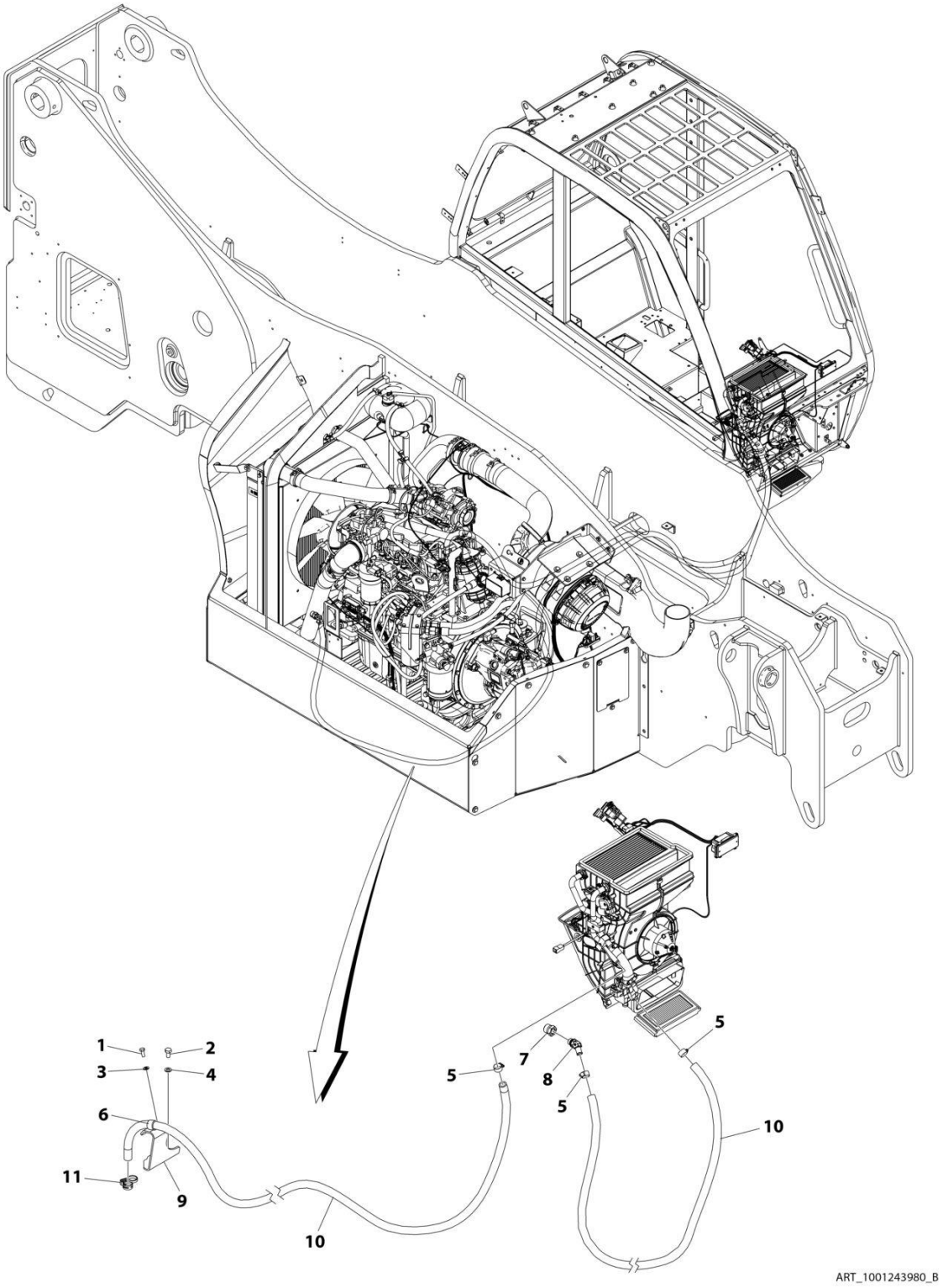


FIGURE 4-44. CAB HEATER LINES INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243980	Ref	Cab - Heater Lines Installation	B
1	0700810	1	Bolt, M8X20	
2	0701010	2	Bolt, M10X20	
3	4811900	1	Washer, M8	
4	4812000	2	Washer, M10	
5	8410009	3	Gear Clamp	
6	1001100319	1	Clip	
7	1001238152	1	Fitting	
8	1001238153	1	Fitting, Hose Barb	
9	1001245142	1	Bracket	
10	82033995	7 m	Hose	
11	1001202526	1	Clamp	

FIGURE 4-45. CAB HEATER LINES INSTALLATION (4523)

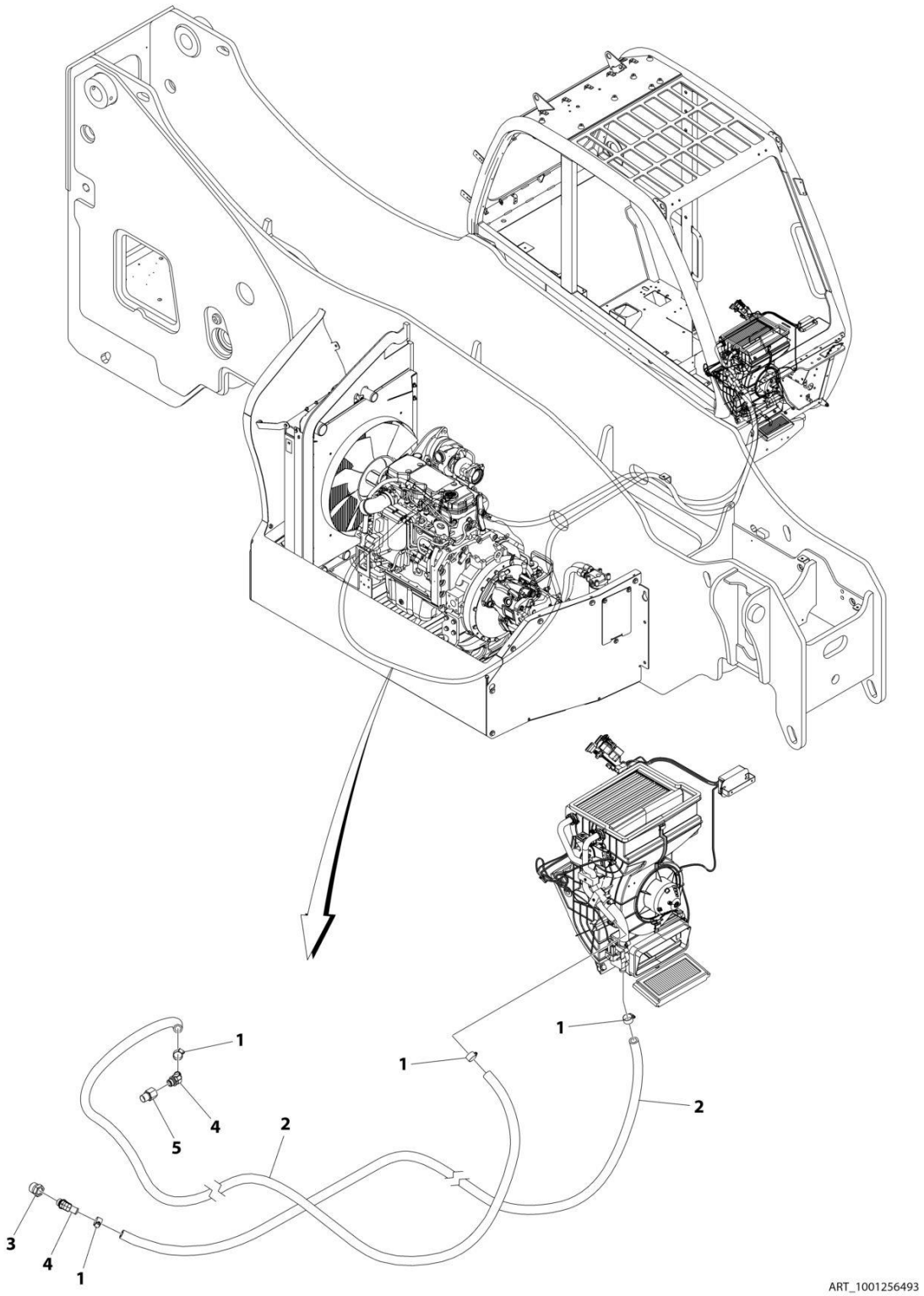


FIGURE 4-45. CAB HEATER LINES INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256493	Ref	CAB - HEATER LINES INSTALLATION	A
1	8410009	4	Gear Clamp	
2	82033995	7.3 m / 24 ft	Hose	
3	1001238152	1	Fitting	
4	1001238153	2	Fitting, Hose Barb	
5	1001245075	1	Fitting	

FIGURE 4-46. ATTACHMENT RECOGNITION INSTALLATION (4523)

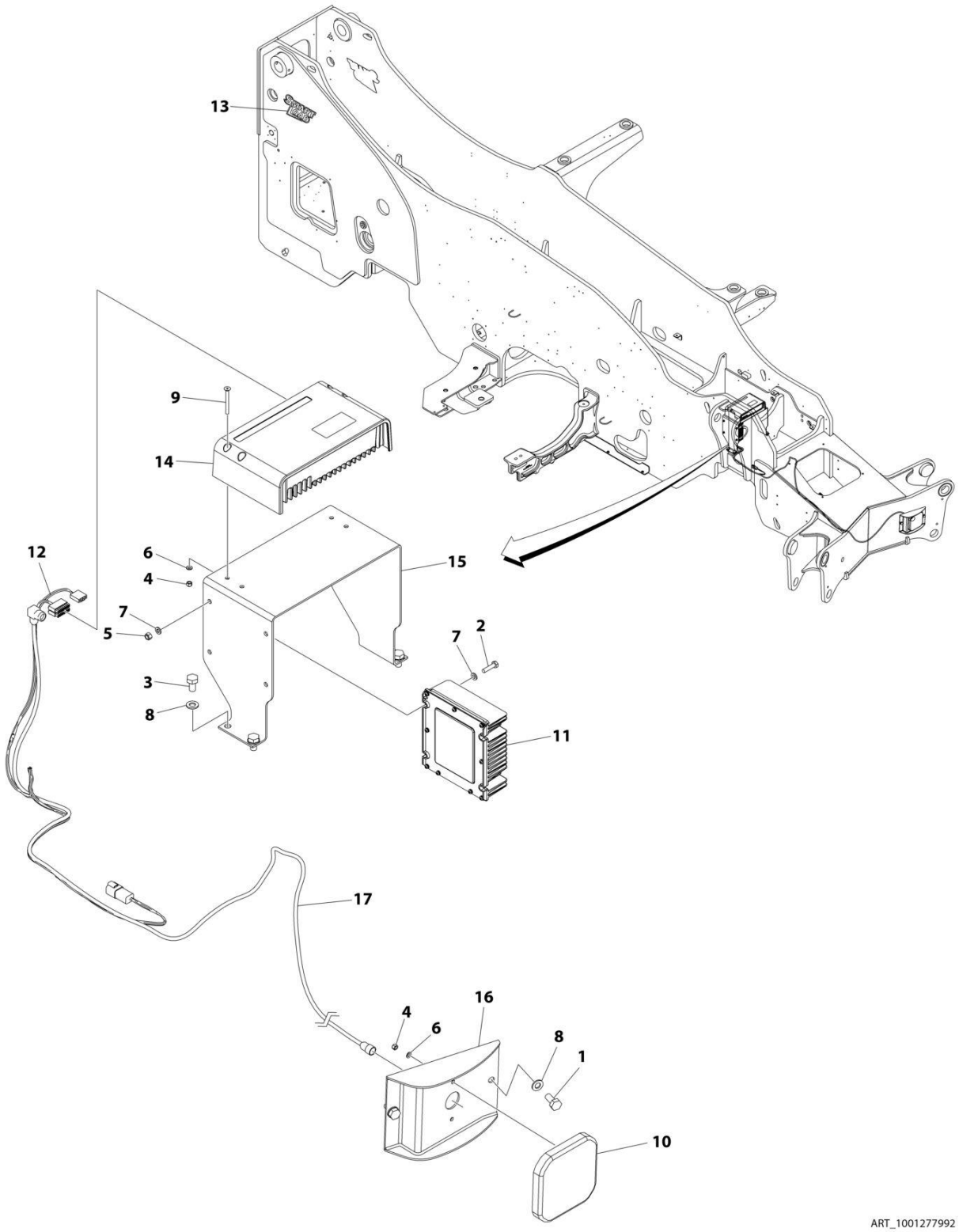


FIGURE 4-46. ATTACHMENT RECOGNITION INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277992	Ref	ATTACHMENT RECOGNITION INSTALLATION	A
1	0701011	2	Bolt M10 x 22	
2	0760612	4	Bolt M6 x 25	
3	0761009	4	Bolt	
4	3290505	6	Nut M5	
5	3290605	4	Nut M6	
6	4811600	6	Washer M5	
7	4811700	8	Washer M6	
8	4812000	6	Washer M10	
9	1001234395	4	Screw	
10	1001237738	1	Antenna	
11	1001249078	1	Control, Voltage	
12	1001250203	1	Harness, Attachment Recognition (See Separate Breakdown in ELECTRICAL Section)	
13	1001250276	2	Decal - Smart Load	
14	1001250476	1	Control, Receiver	
15	1001256899	1	Bracket	
16	1001260996	1	Bracket	
17	1001261095	1	Cable, Antenna	

FIGURE 4-47. DEF PUMP AND CONTROL INSTALLATION

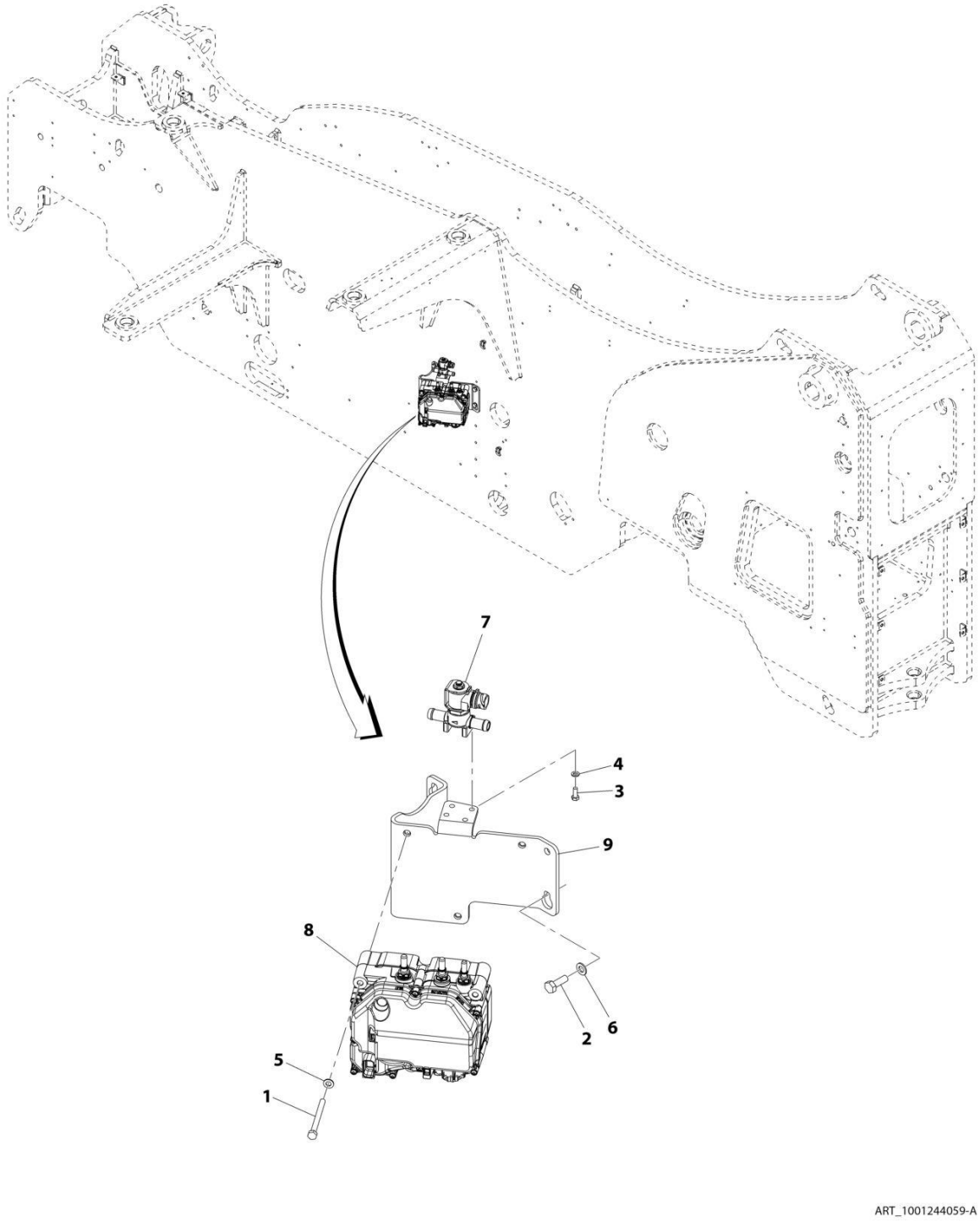


FIGURE 4-47. DEF PUMP AND CONTROL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244059	Ref	DEF Pump and Control Installation	A
1	0700826	3	Bolt, M8X90	
2	0701014	4	Bolt, M10X30	
3	0760608	4	Bolt, M6X16	
4	4811700	4	Washer, M6	
5	4811900	3	Washer, M8	
6	4812000	4	Washer, M10	
7	1001199670	1	Valve, DEF Tank Coolant Flow	
8	1001213210	1	Pump, DEF Module (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
9	1001241702	1	Bracket	

FIGURE 4-48. DEF LINES INSTALLATION

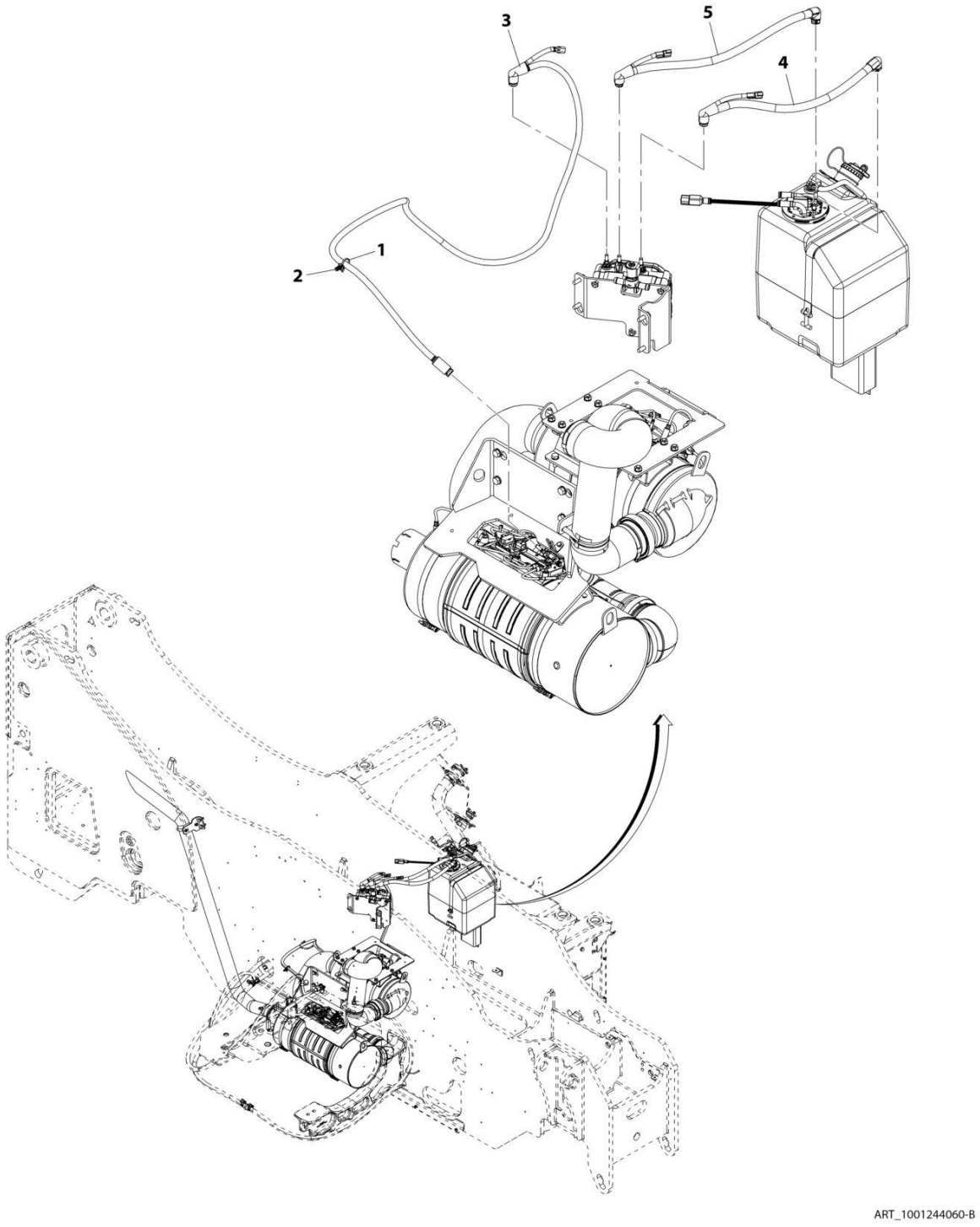


FIGURE 4-48. DEF LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244060	Ref	DEF Lines Installation	B
1	1001008559	1	Strap, Cable	
2	1001202986	1	Strap Push Mount	
3	1001241684	1	Hose	
4	1001241704	1	Hose	
5	1001241705	1	Hose	

FIGURE 4-49. DOC INSTALLATION

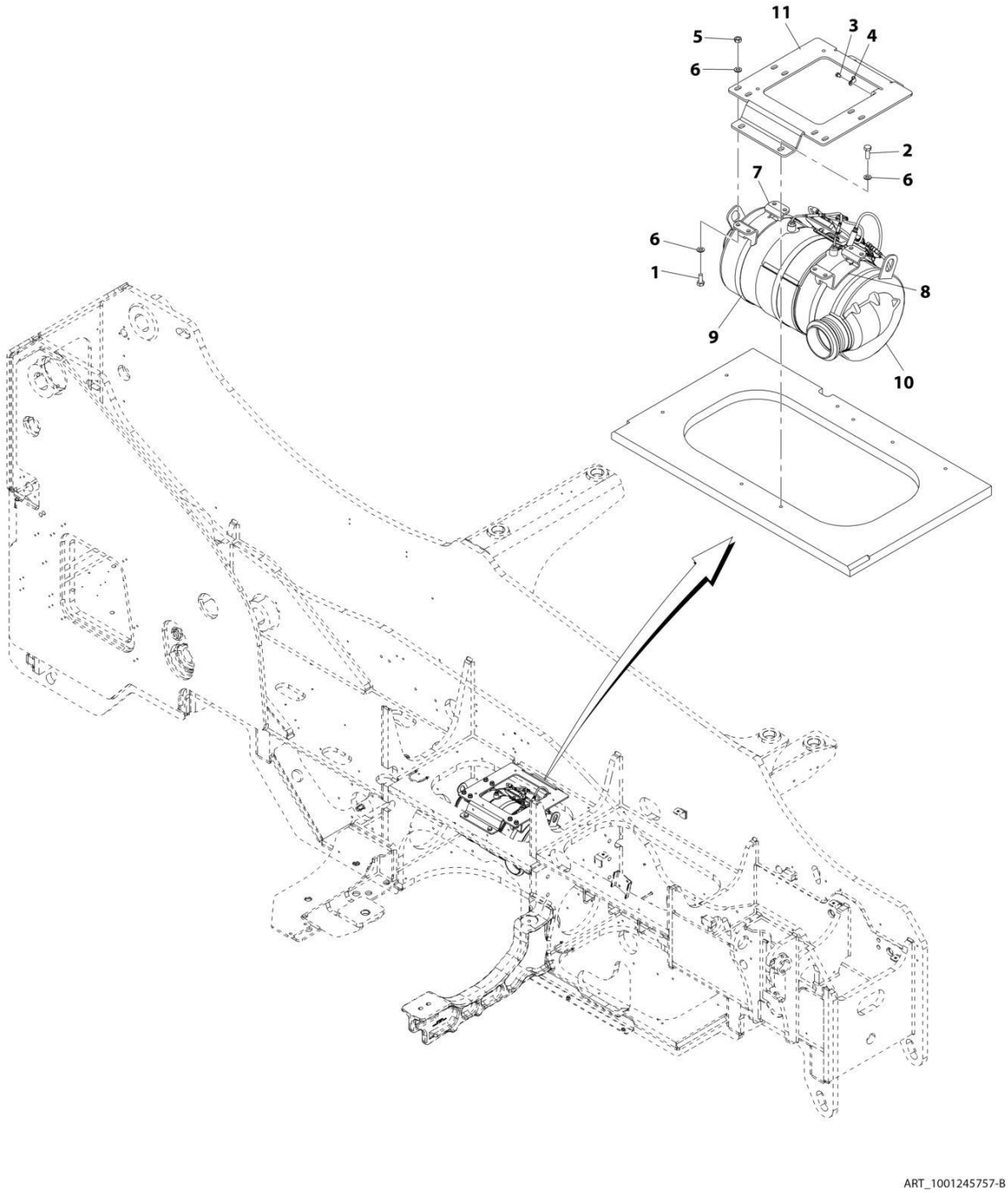


FIGURE 4-49. DOC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245757	Ref	DOC Installation	B
1	0701012	8	Bolt, M10X25	
2	0701014	4	Bolt, M10X30	
3	0760605	1	Bolt, M6X10	
4	1320136	1	Clamp, Cable	
5	3291001	8	Nut, M10X1.5	
6	4812000	20	Washer, M10	
7	1001159881	1	Bracket	
8	1001159882	1	Bracket	
9	1001176945	2	Strap	
10	1001236530	1	Muffler	
11	1001242739	1	Bracket	

FIGURE 4-50. SCR INSTALLATION

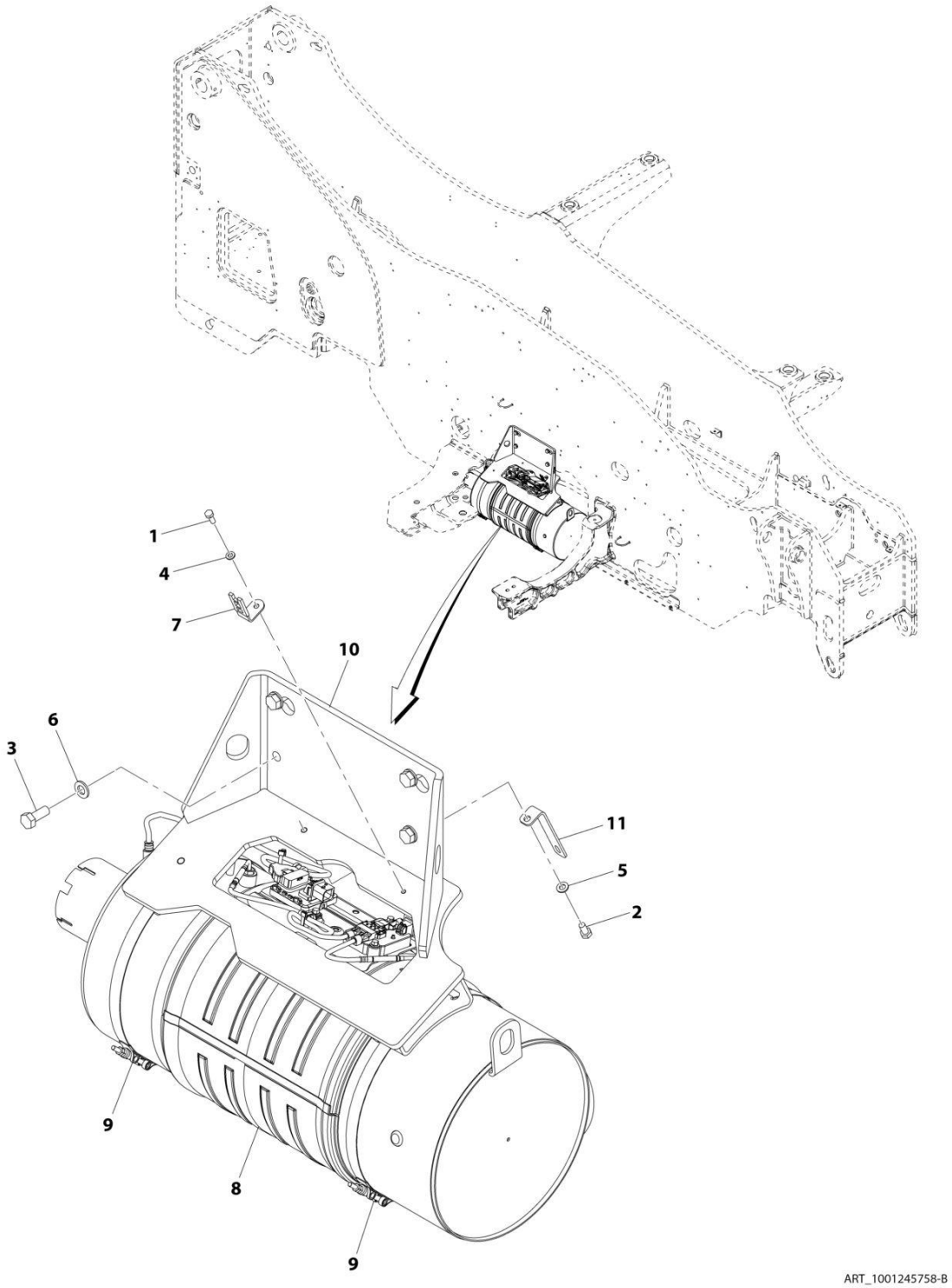


FIGURE 4-50. SCR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245758	Ref	SCR Installation	B
1	0760608	1	Bolt, M6X16	
2	0760808	1	Bolt, M8X16	
3	0761214	4	Bolt, M12X30	
4	4811700	1	Washer, M6	
5	4811900	1	Washer, M8	
6	4812100	4	Washer, M12	
7	1001025749	1	Clip	
8	1001236529	1	Muffler	
9	1001238755	2	Strap	
10	1001242734	1	Bracket	
11	1001247578	1	Bracket	

FIGURE 4-51. A/C PUMP INSTALLATION (CUMMINS 4.5L)

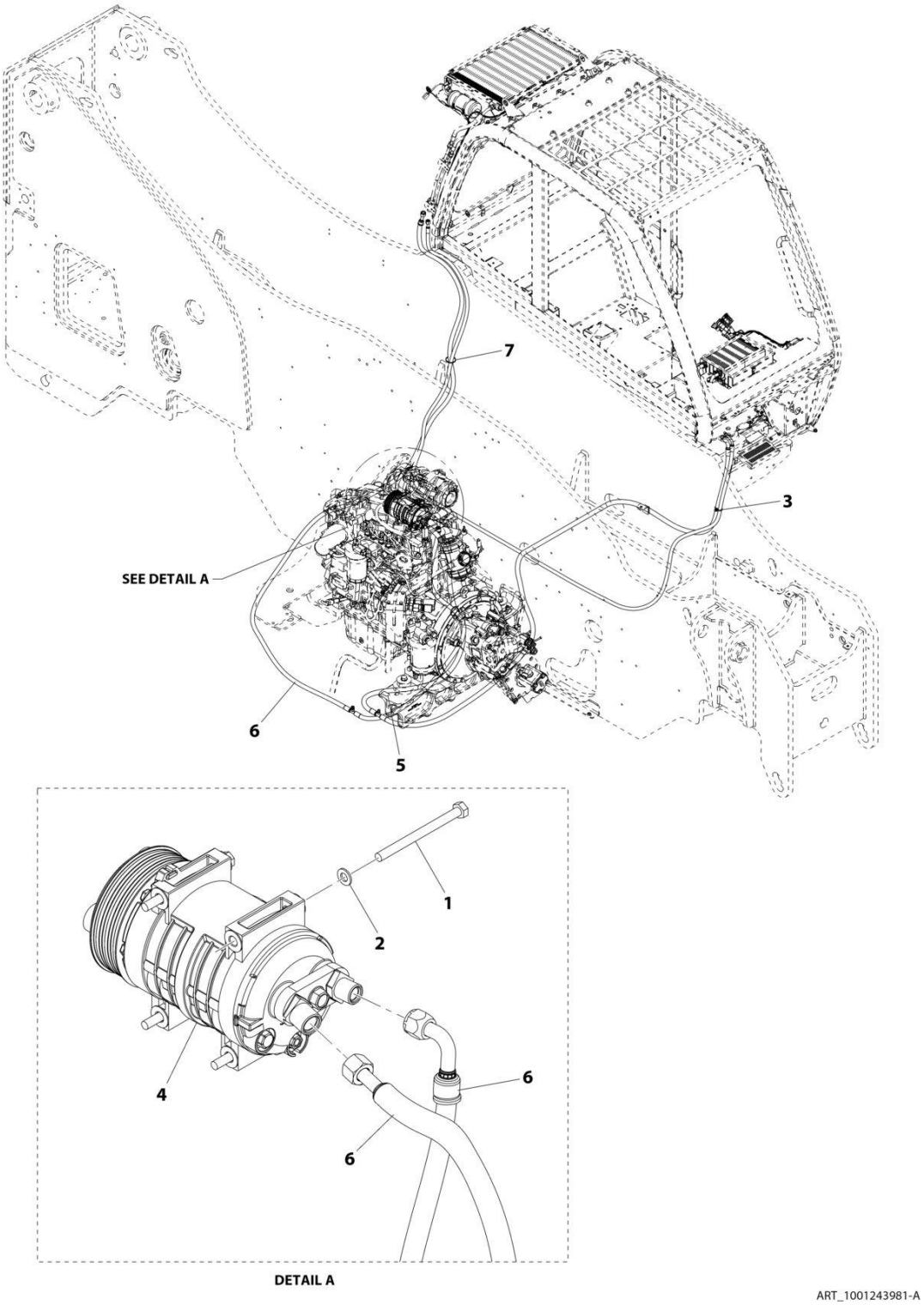


FIGURE 4-51. A/C PUMP INSTALLATION (CUMMINS 4.5L)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243981	Ref	A/C Pump Installation (Cummins 4.5L)	A
1	0700827	4	Bolt, M8X100	
2	4811900	4	Washer, M8	
3	1001146588	1	Strap, Tie	
4	1001157663	1	Compressor, A/C	
5	1001193026	1	Decal, A/C Refrigerant	
6	1001243982	1	A/C Lines Installation (See Separate Breakdown in this Section)	
7	1001008559	2	Strap, Cable	

FIGURE 4-52. A/C LINES INSTALLATION

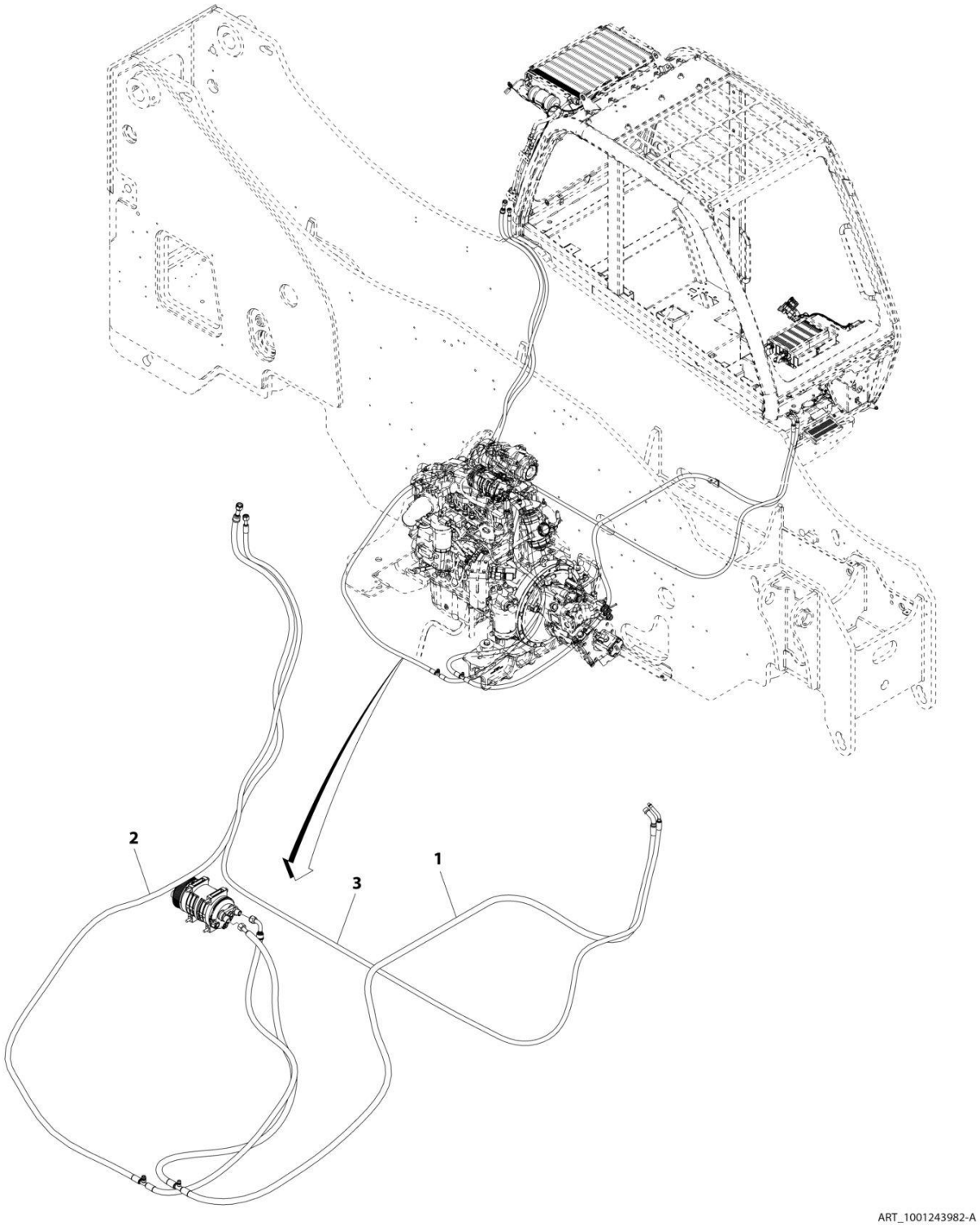


FIGURE 4-52. A/C LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243982	Ref	A/C Line Installation	A
1	1001243840	1	Hose	
2	1001243841	1	Hose	
3	1001245708	1	Hose	

FIGURE 4-53. BREATHER TUBE HEATER INSTALLATION

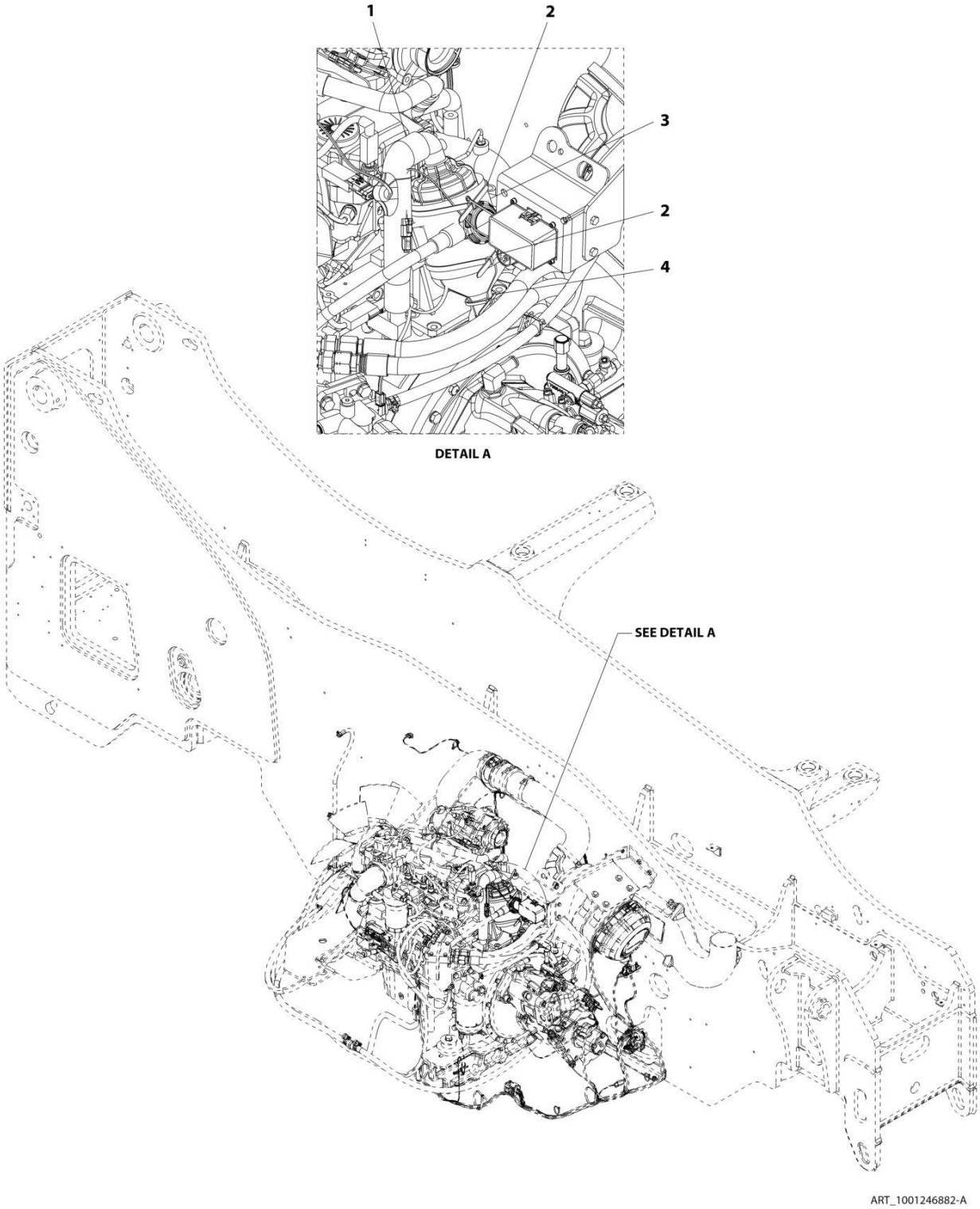


FIGURE 4-53. BREATHER TUBE HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246882	Ref	Breather Tube Heater Installation	A
1	1001211884	1	Hose	
2	01043892	2	Tie wrap, Long	
3	1001211503	1	Insulate, CV Filter	
4	86683122	1	Tie wrap, Short	

FIGURE 4-54. TRANSMISSION HYDROSTATIC ADAPTER INSTALLATION

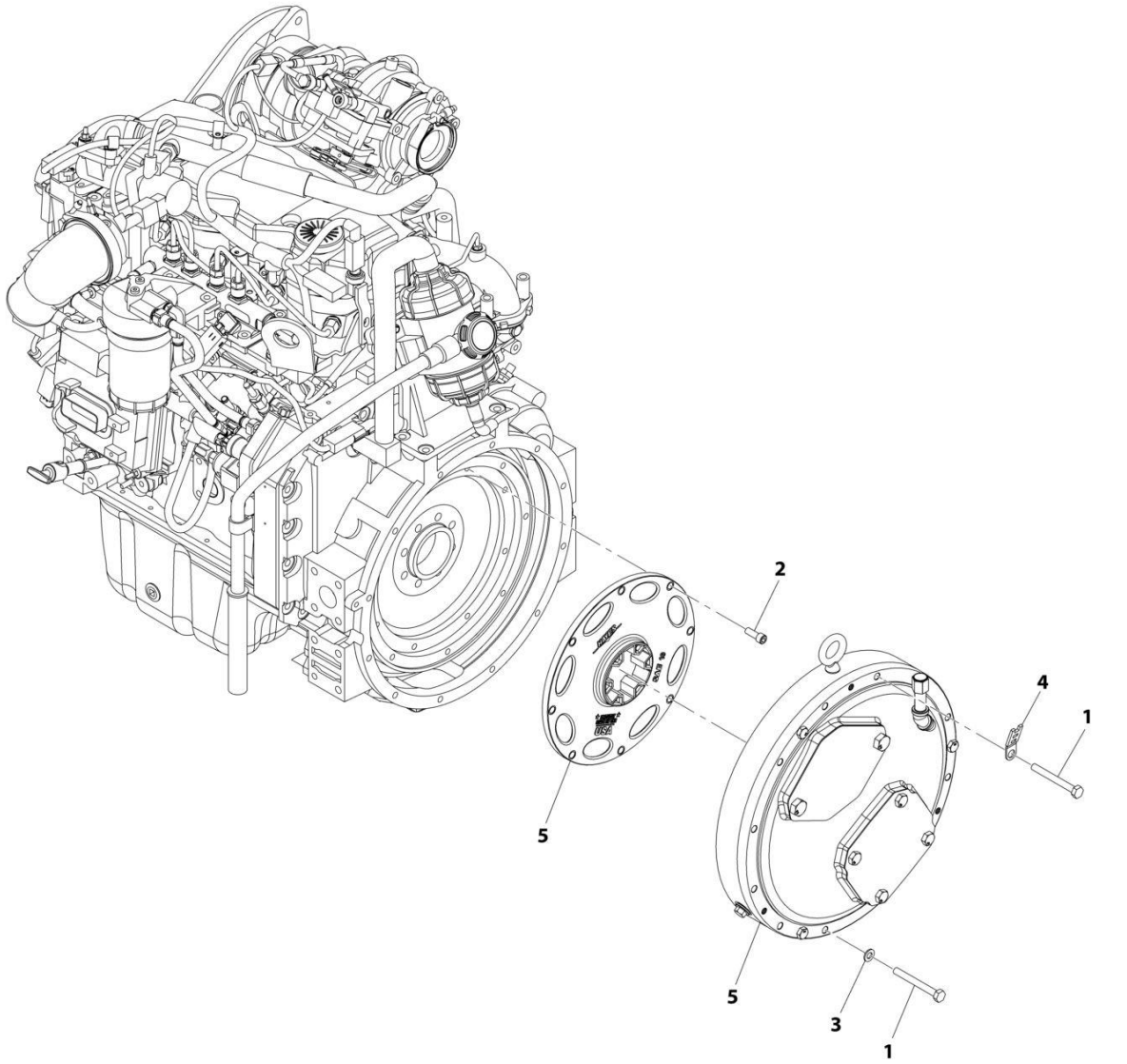


FIGURE 4-54. TRANSMISSION HYDROSTATIC ADAPTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243039	Ref	Transmission Hydrostatic Adapter Installation	B
1	0701026	12	Bolt, M10X90	
2	3931616	8	Bolt 3/8-16X1	
3	4812000	11	Washer, M10	
4	1001025750	1	Clip	
5	1001256526	1	Gear, HY-Stat Dual Drive	

FIGURE 4-55. REMOTE OIL FILTER INSTALLATION (1075)

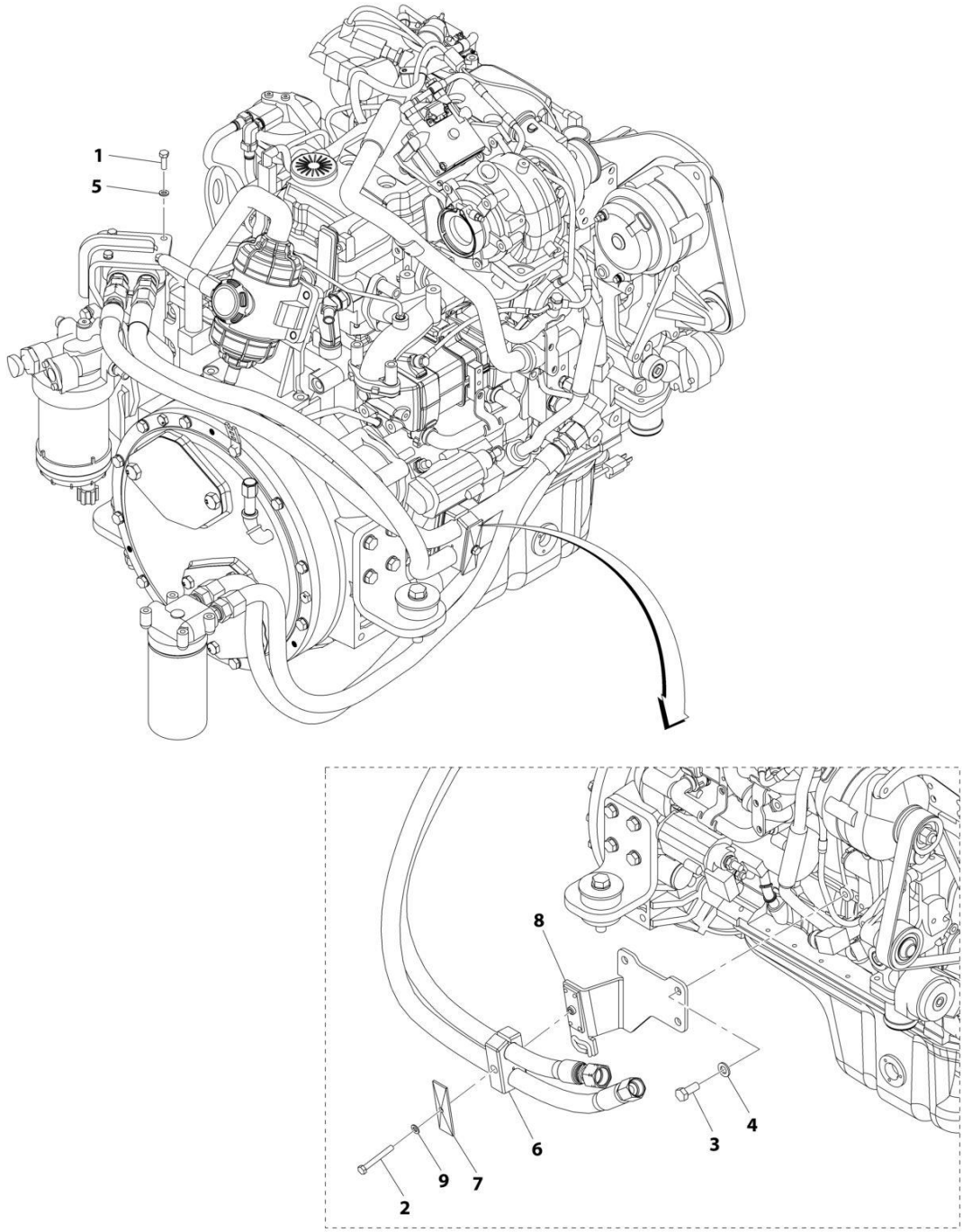


FIGURE 4-55. REMOTE OIL FILTER INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244046	Ref	Remote Oil Filter Installation	C
1	0700812	4	Bolt, M8X25	
2	0700821	1	Bolt, M8X65	
3	0761214	3	Bolt, M8X30	
4	4812100	3	Washer, 12mm	
5	4831900	4	Washer, Lock M8	
6	8750024	1	Clamp Set	
7	8750025	1	Cover Plate	
8	1001246178	1	Bracket	
9	4811900	1	Washer, 8mm	

FIGURE 4-56. REMOTE OIL FILTER INSTALLATION (4523)

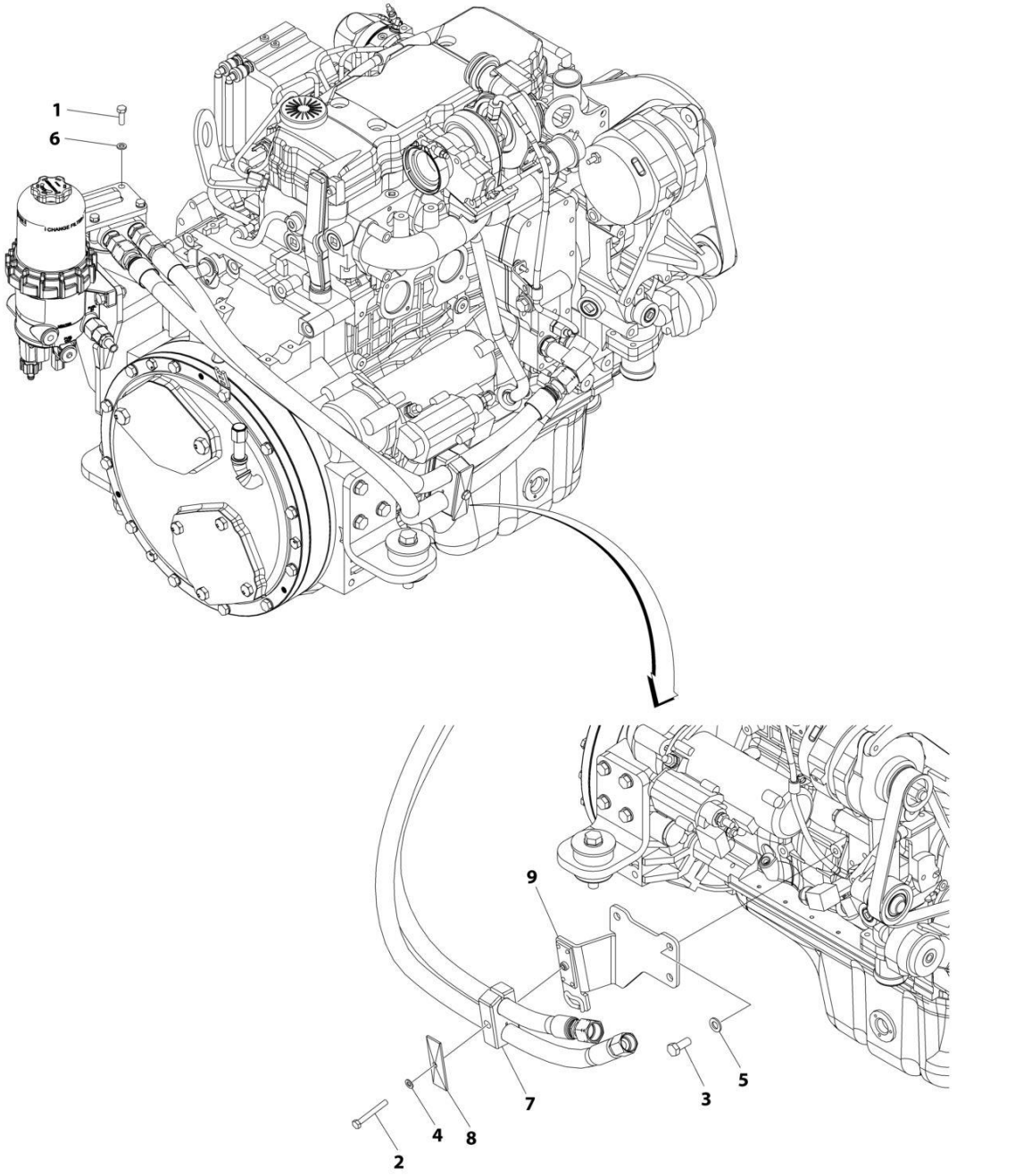


FIGURE 4-56. REMOTE OIL FILTER INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256496	Ref	REMOTE OIL FILTER INSTALLATION	A
1	0700812	4	Bolt M8 x 25	
2	0700821	1	Bolt M8 x 65	
3	0761214	3	Bolt M12 x 30	
4	4811900	1	Washer M8	
5	4812100	3	Washer M12	
6	4831900	4	Washer M8	
7	8750024	1	Clamp Set	
8	8750025	1	Cover Plate	
9	1001246178	1	Bracket	

FIGURE 4-57. OIL DRAIN HOSE INSTALLATION

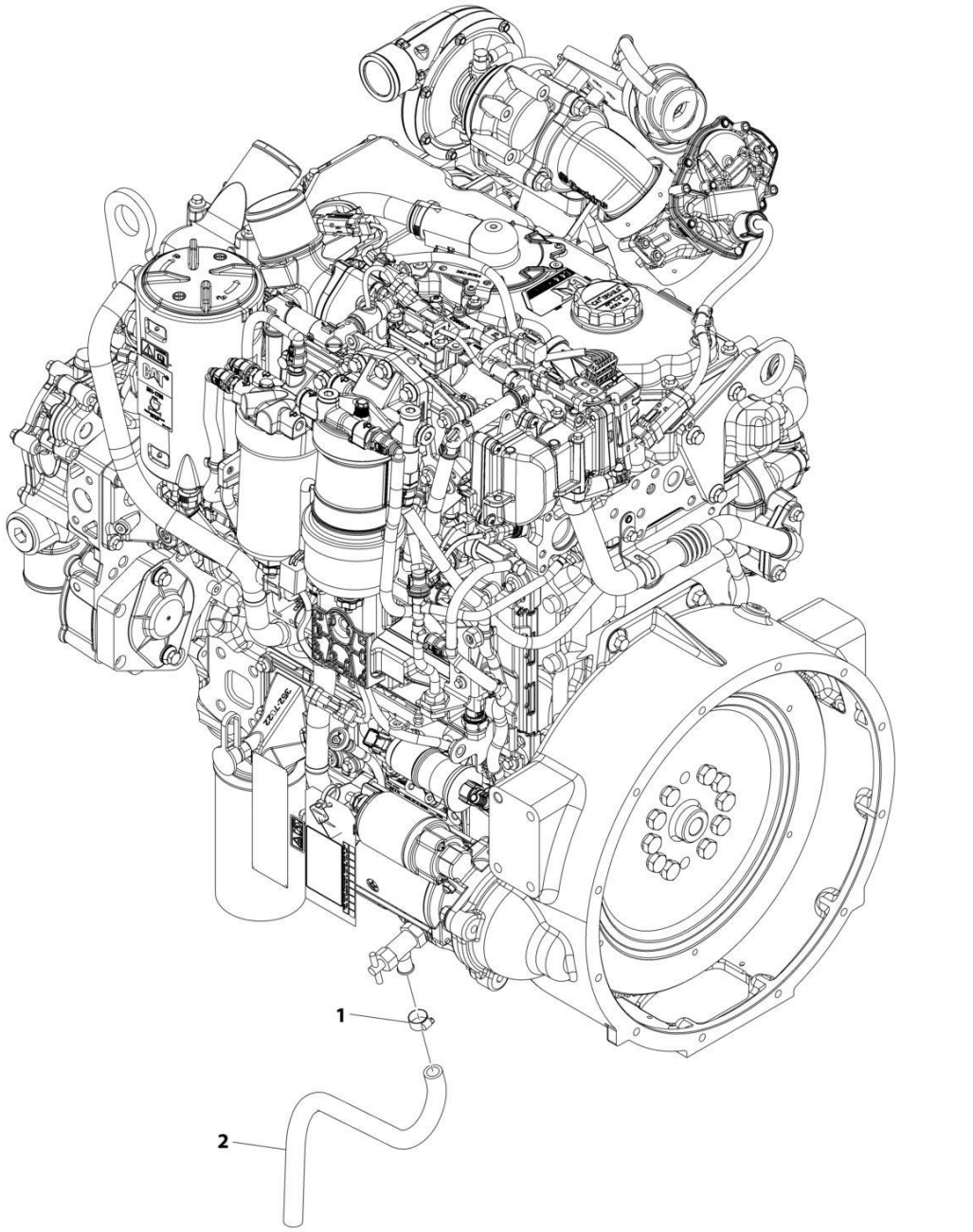


FIGURE 4-57. OIL DRAIN HOSE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173344	Ref	Oil Drain Hose Installation	C
1	8410009	1	Gear Clamp	
2	1001213237	1	Hose	

FIGURE 4-58. QUICK DRAIN OIL VALVE INSTALLATION

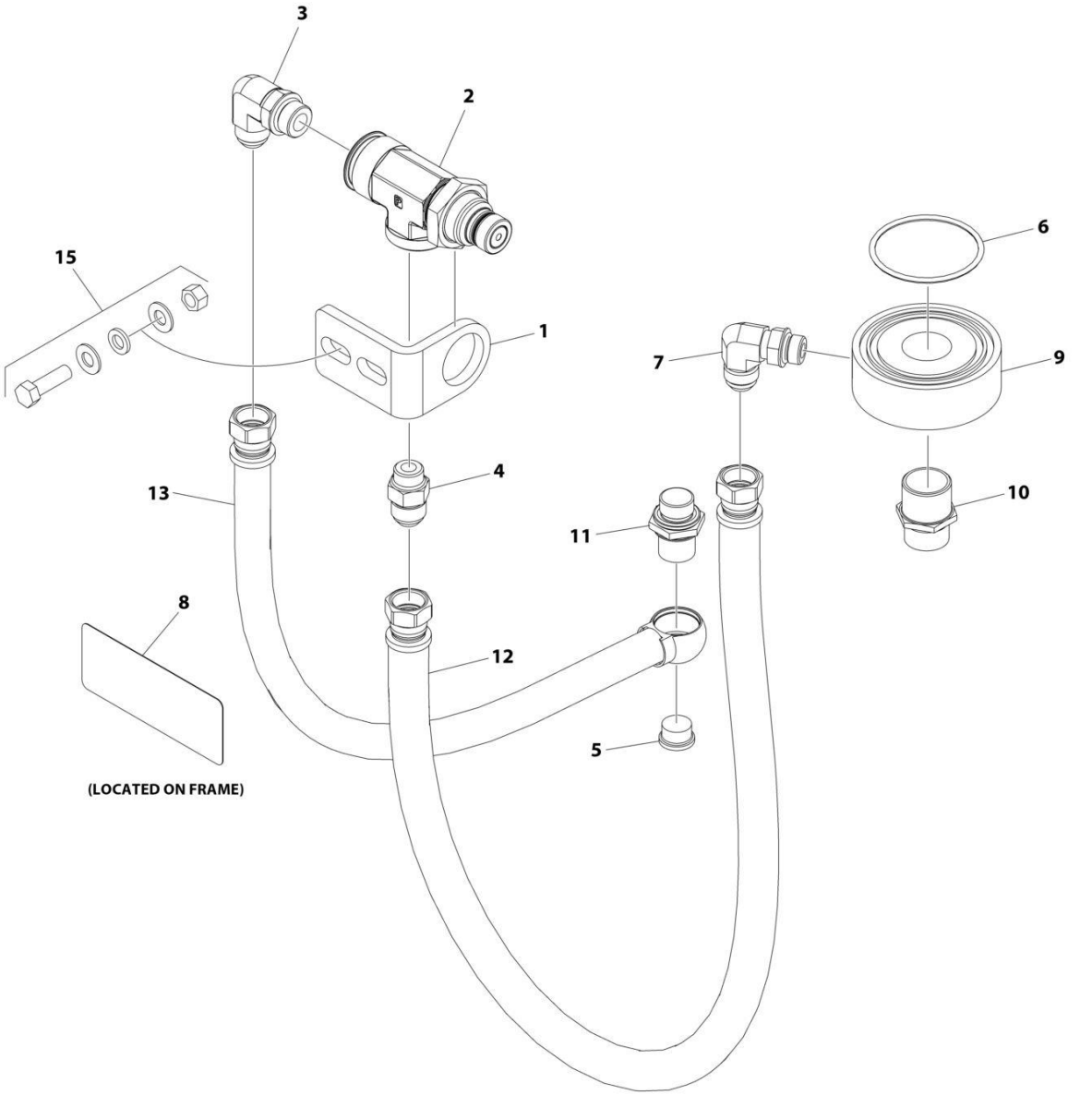


FIGURE 4-58. QUICK DRAIN OIL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281472	Ref	QUICK DRAIN OIL VALVE INSTALLATION	A
1	1001281297	1	Bracket	
2	1001281298	1	Valve, Small Quickfit	
3	1001281301	1	Fitting, 90	
4	1001281302	1	Fitting, Straight	
5	1001281304	1	Plug, Quickfit	
6	1001281311	1	O-Ring	
7	1001281359	1	Valve, Check Quickfit	
8	1001281360	1	Decal - RPM Quickfit	
9	1001281380	1	Filter, Ring	
10	1001281386	1	Fitting, Straight	
11	1001281394	1	Fitting, Straight Quickfit	
12	1001281399	1	Hose	
13	1001281400	1	Hose	
14	1001281656	AR	Tie-Strap (Not Shown)	
15	1001281888	2	Bolt 3/8 x 1-1/4	

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. DRIVETRAIN INSTALLATION

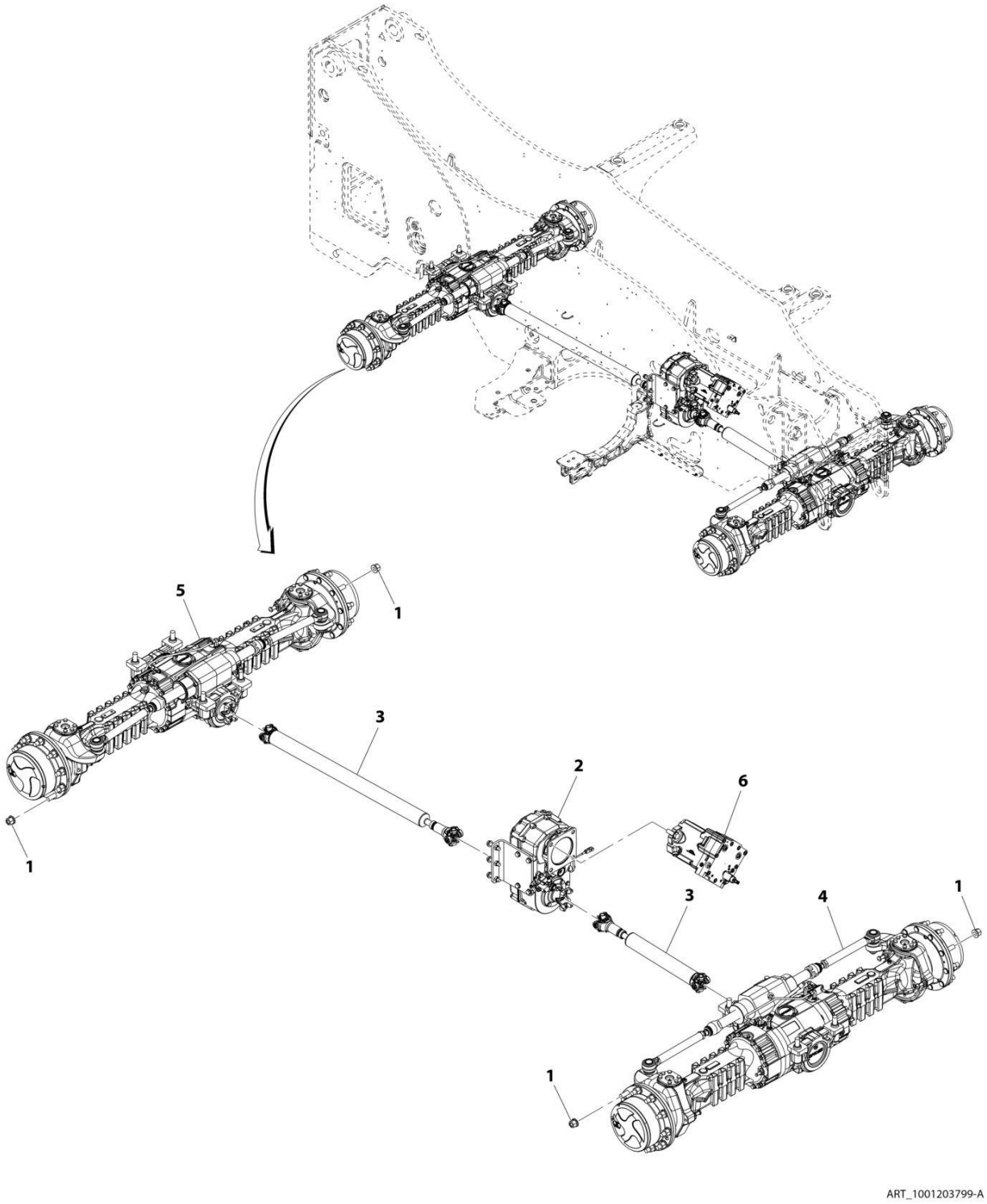


FIGURE 5-1. DRIVETRAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203799	Ref	Drivetrain Installation	A
1	91403193	40	Nut, Lug M22X1.5	
2	1001203796	1	Installation, Gearbox (See Separate Breakdown in this Section)	
3	1001203798	1	Installation, Drive Shaft (See Separate Breakdown in this Section)	
4	1001244031	1	Installation, Front Axle (See Separate Breakdown in this Section)	
5	1001244032	1	Installation, Rear Axle (See Separate Breakdown in this Section)	
6	1001244340	1	Installation, Hydraulic Motor (See Separate Breakdown in this Section)	

FIGURE 5-2. GEARBOX INSTALLATION

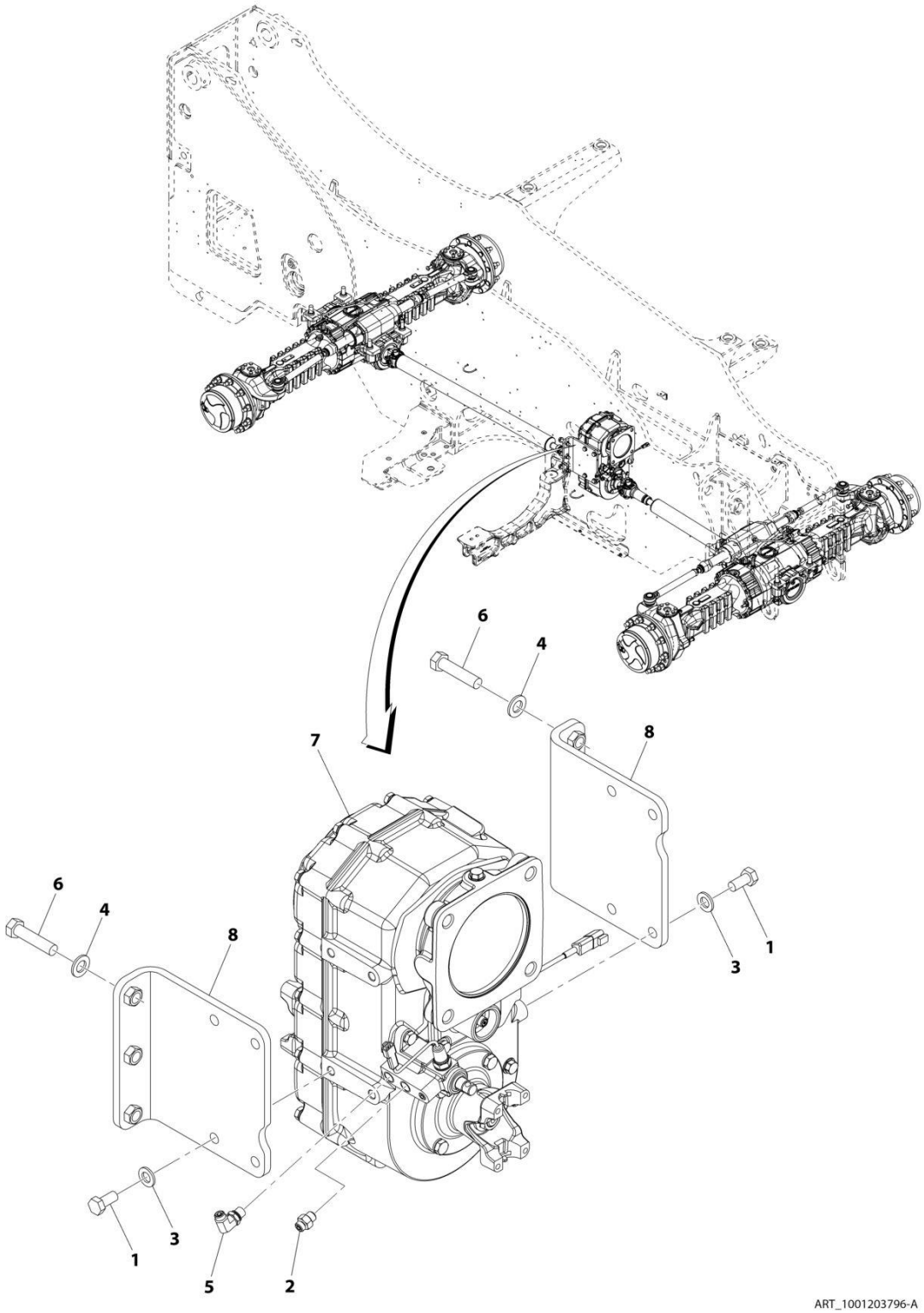


FIGURE 5-2. GEARBOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203796	Ref	Gearbox Installation	A
1	0771414	8	Bolt, M14X30	
2	2144603	1	Fitting, Straight ORFS	
3	5241400	8	Washer, M14	
4	5241600	6	Washer, M16	
5	8770241	1	Fitting, 90 ORFS	
6	1001094516	6	Bolt, M16X70	
7	1001201150	Ref	Gearbox (See Separate Breakdown in this Seciton)	
8	1001245691	2	Bracket	

FIGURE 5-3. GEARBOX ASSEMBLY

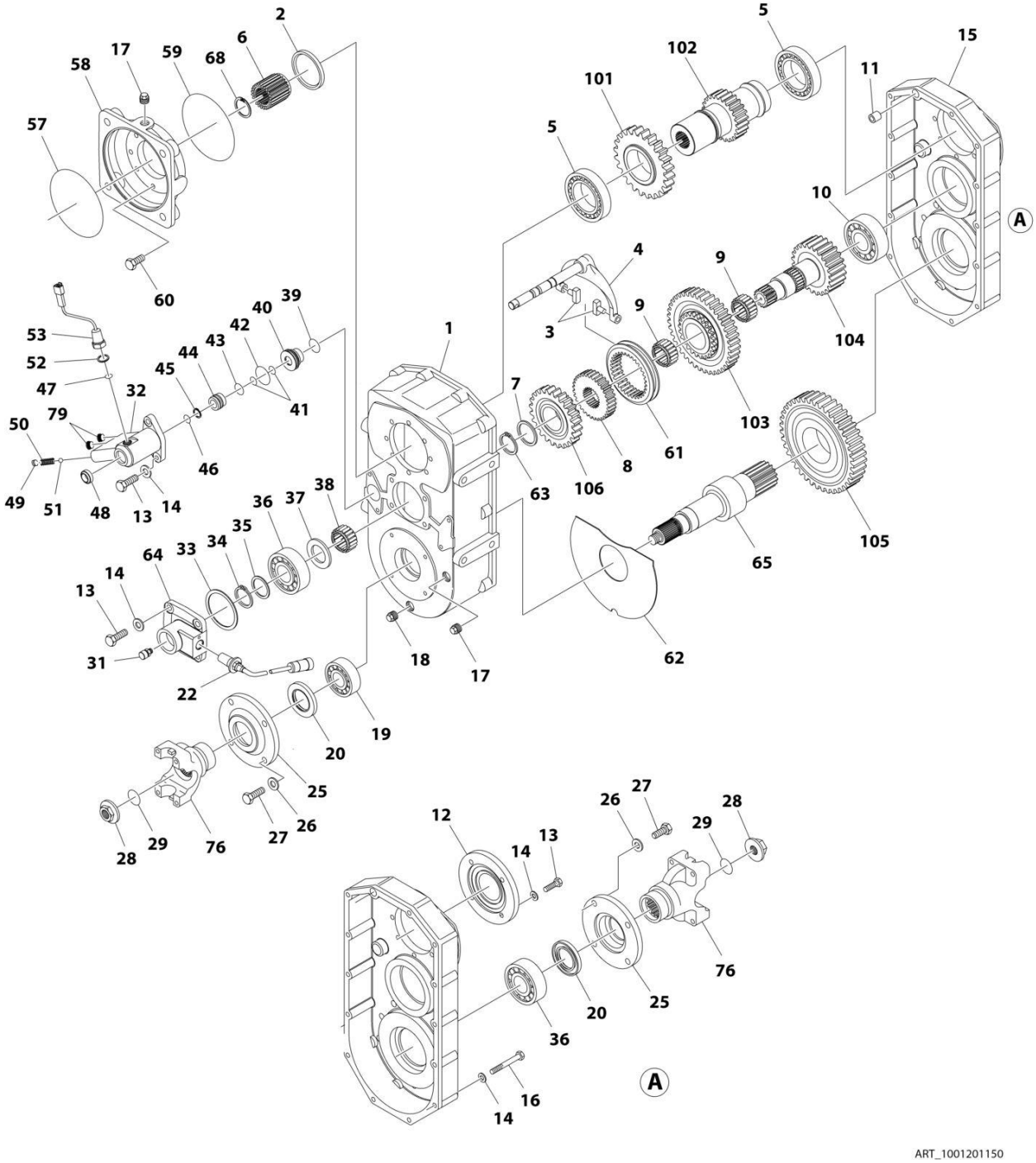


FIGURE 5-3. GEARBOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201150	Ref	GEAR BOX	F
1	70030174	1	Housing	
2	80204180	1	Seal	
3	70028837	2	Sliding Pin	
4	70030175	1	Bar	
5	80204178	2	Ball Bearing	
6	70030176	1	Bushing	
7	70030177	1	Friction Washer	
8	70030178	1	Guide Tube	
9	70030179	2	Needle Bearing	
10	70030180	1	Bearing	
11	8034661	2	Reduction Bushing	
12	70030181	1	Cover	
13	70030182	10	Bolt	
14	70030183	24	Spring Washer	
15	70030184	1	Cover	
16	70030185	14	Bolt	
17	80204016	2	Plug	
18	70028388	1	Plug	
19	91474364	1	Bearing	
20	70030186	2	Seal	
22	70026902	1	Sensor, Speed	
25	80204202	2	Cover	
26	80204147	8	Spring Washer	
27	70030187	8	Bolt	
28	80204213	2	Nut	
29	80204215	2	O-Ring	
31	70030188	1	Vent	
32	70030189	1	Cylinder	
33	80204207	1	Shim	
33	80204208	1	Shim	
34	70029283	1	Circlip	
35	70030190	1	Shim	
36	70030191	2	Roller Bearing	
37	70030192	1	Friction Washer	
38	70030193	1	Needle Bearing	
39	70026924	1	O-Ring	
40	70030194	1	Reduction Bushing	
41	80204168	2	O-Ring	
42	70026918	1	O-Ring	
43	70028820	1	O-Ring	
44	70030195	1	Piston	
45	70030196	1	Circlip	
46	70026922	1	O-Ring	
47	80204176	1	O-Ring	
48	70026915	1	Seal	
49	70026923	1	Bolt, Grub	
50	80203021	1	Spring	
51	70020276	1	Detend Ball	
52	80203020	1	Seal Washer	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	70028830	1	Switch, Gear	
57	70030197	1	O-Ring	
58	70030198	1	Cover	
59	80204254	1	O-Ring	
60	70030199	8	Bolt	
61	70028828	1	Selector Sleeve	
62	70030200	1	Cover Plate	
63	70030201	1	Circlip	
64	70030202	1	Cover	
65	70030203	1	Output Shaft	
68	70030204	1	Circlip	
76	70030205	2	Flange	
79	91514154	2	Plug W/ Seal Washer	
101	70030206	1	Gear	
102	70030207	1	Input Shaft	
103	70030208	1	Gear	
104	70030209	1	Shaft	
105	70030210	1	Gear	
106	70030211	1	Gear	

FIGURE 5-4. DRIVE SHAFT INSTALLATION

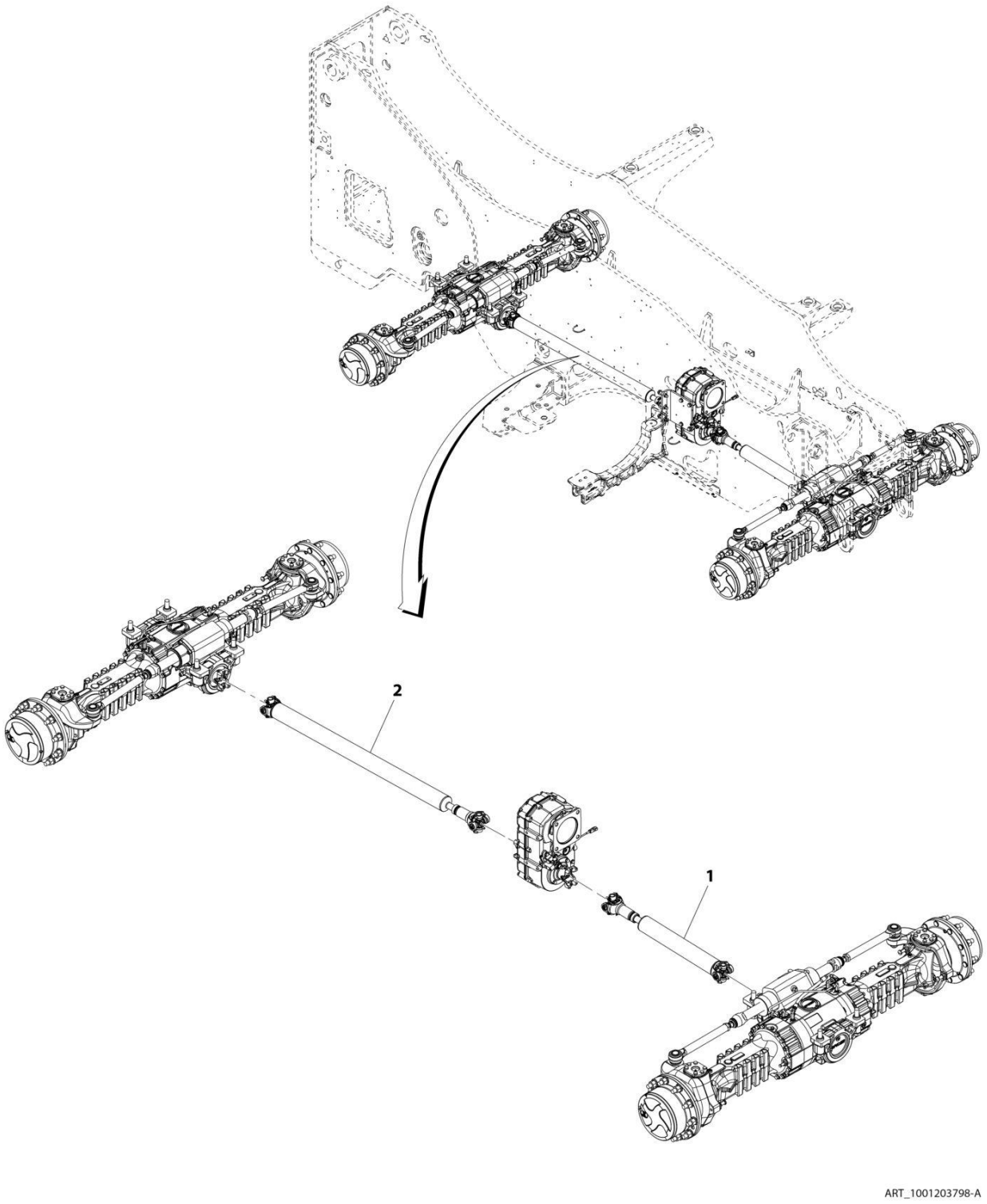


FIGURE 5-4. DRIVE SHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203798	Ref	Drive Shaft Installation	A
1	1001244035	1	Installation, Front Drive Shaft (See Separate Breakdown in this Section)	
2	1001244036	1	Installation, Rear Drive Shaft (See Separate Breakdown in this Section)	

FIGURE 5-5. FRONT DRIVESHAFT INSTALLATION

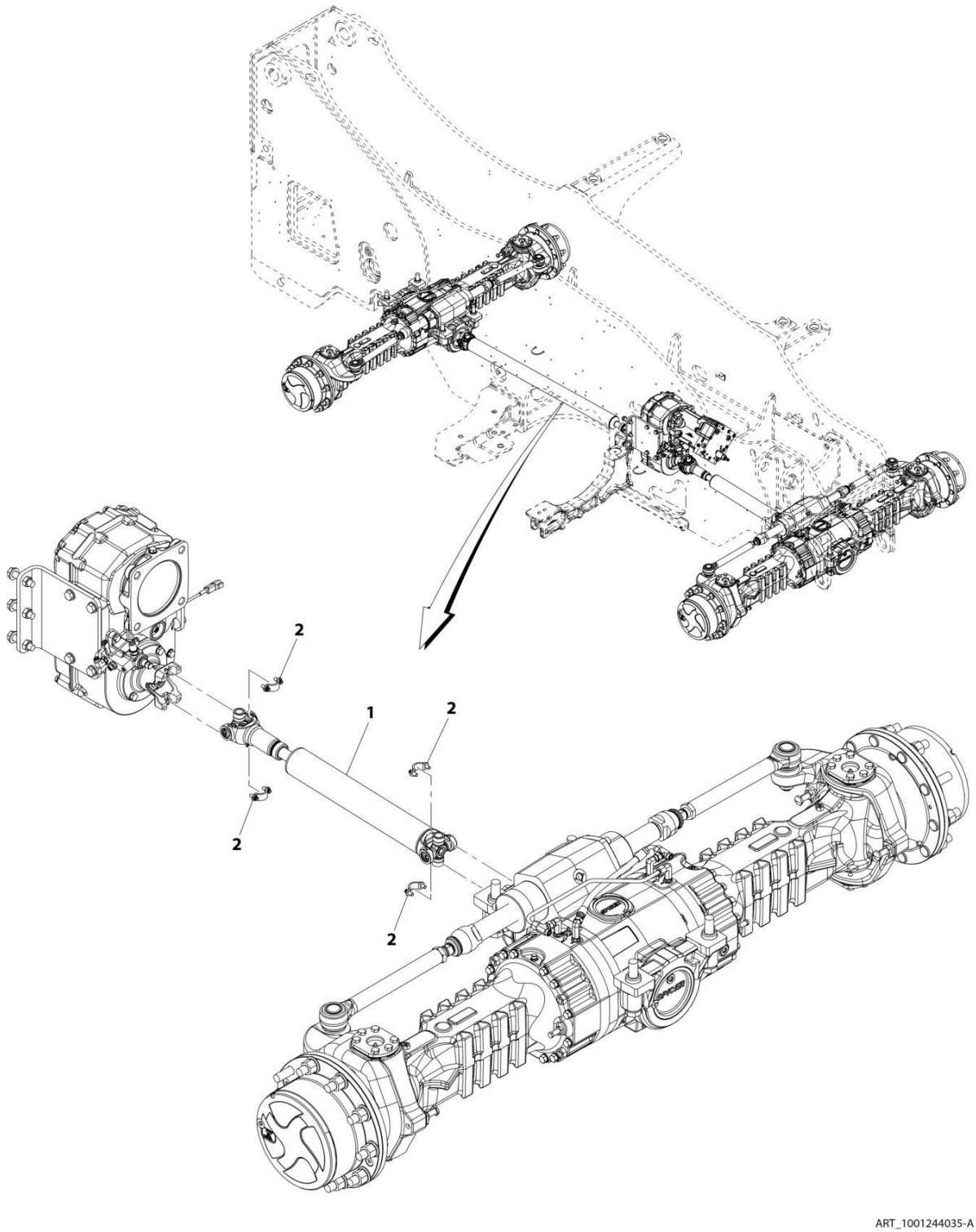


FIGURE 5-5. FRONT DRIVESHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244035	Ref	Front Driveshaft Installation	A
1	1001203805	1	Drive Shaft, Front	
2	8880218-OM	2	Kit, Strap	

FIGURE 5-6. REAR DRIVESHAFT INSTALLATION

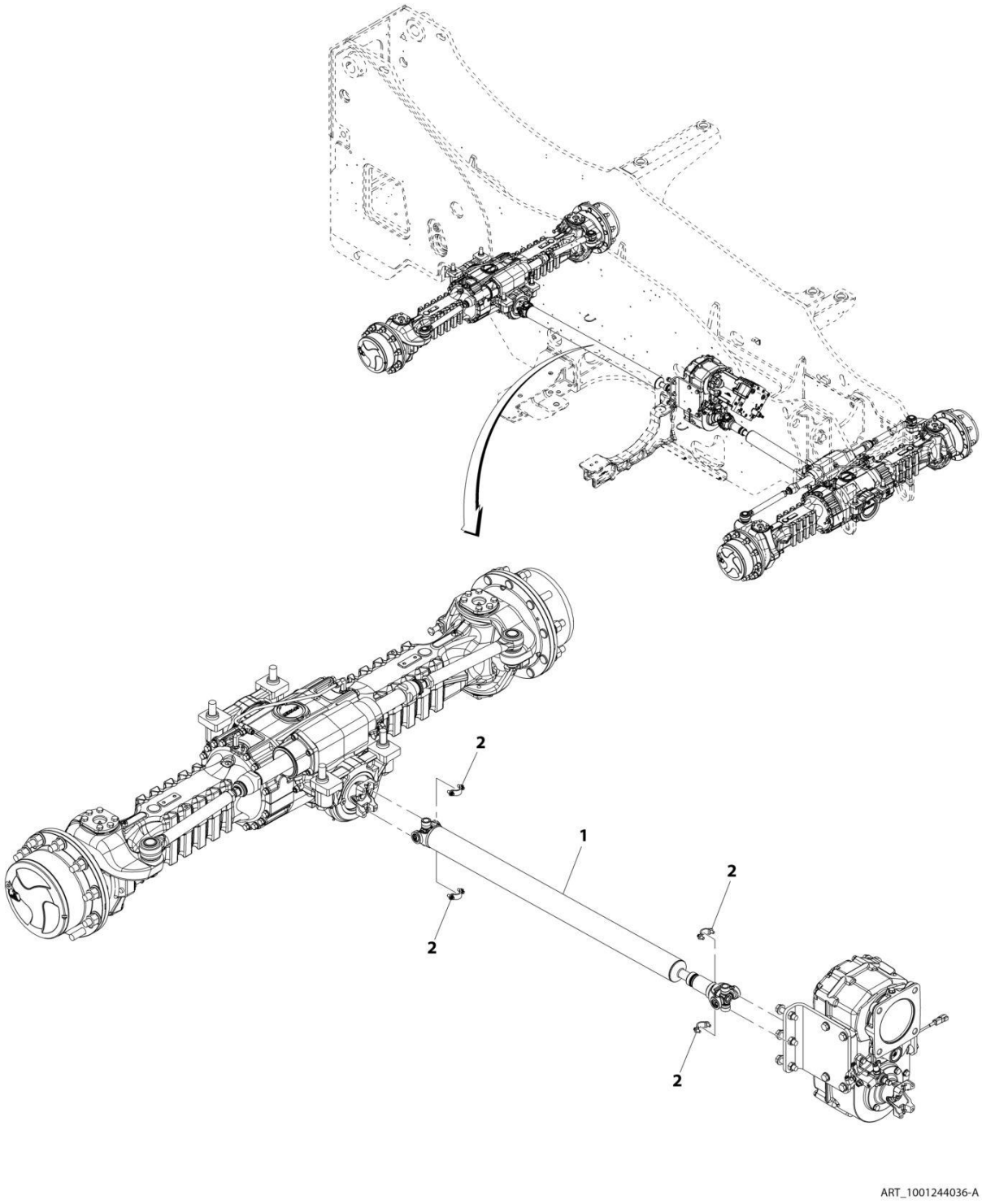


FIGURE 5-6. REAR DRIVESHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244036	Ref	Rear Driveshaft Installation	A
1	1001203806	1	Drive Shaft, Rear	
2	8880218-OM	2	Kit, Strap	

FIGURE 5-7. FRONT AXLE INSTALLATION

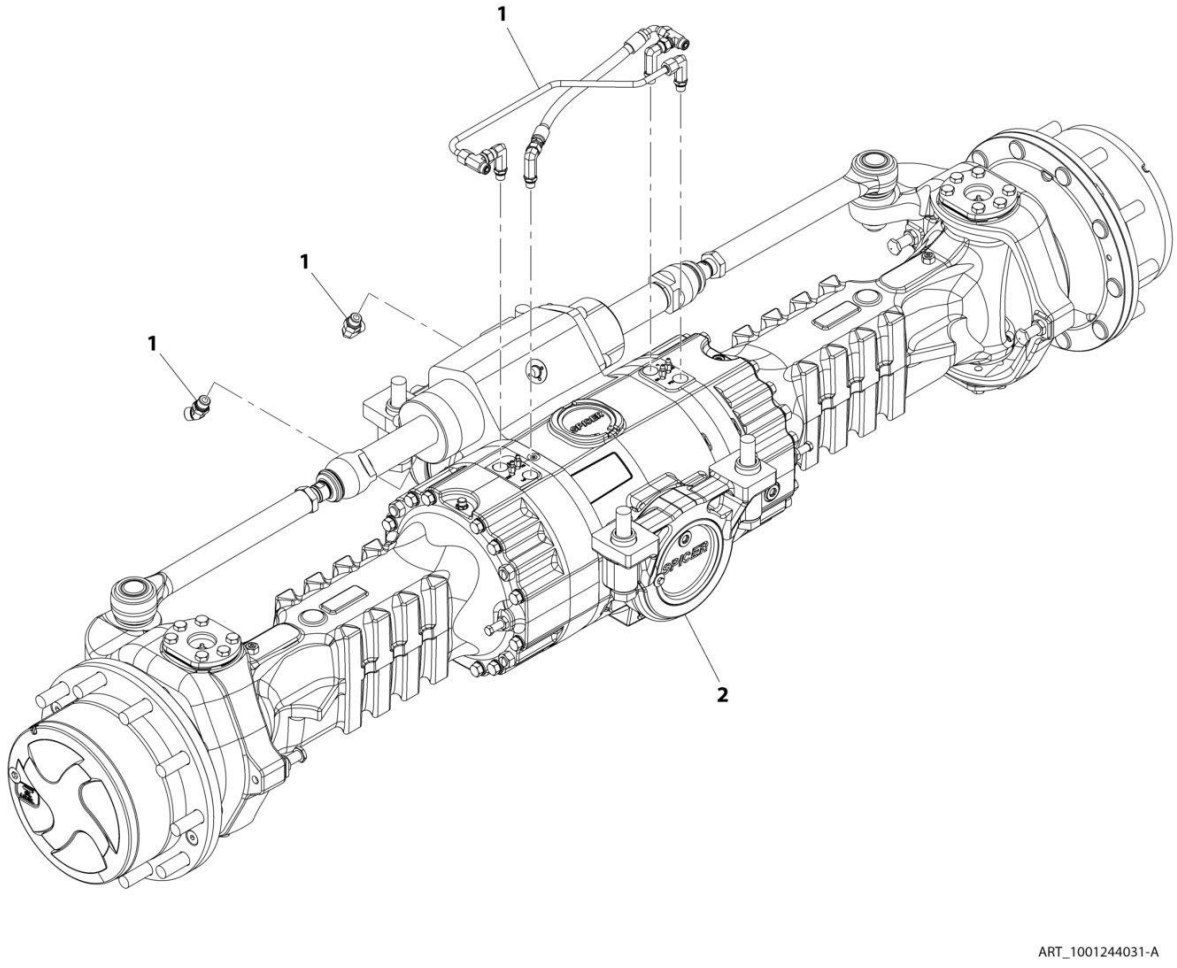


FIGURE 5-7. FRONT AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244031	Ref	Front Axle Installation	A
1	1001207898	1	Installation, Front Axle Lines (See Separate Breakdown in this Section)	
2	1001242962	1	Installation, Front Axle Mounting (See Separate Breakdown in this Section)	

FIGURE 5-8. FRONT AXLE LINES INSTALLATION

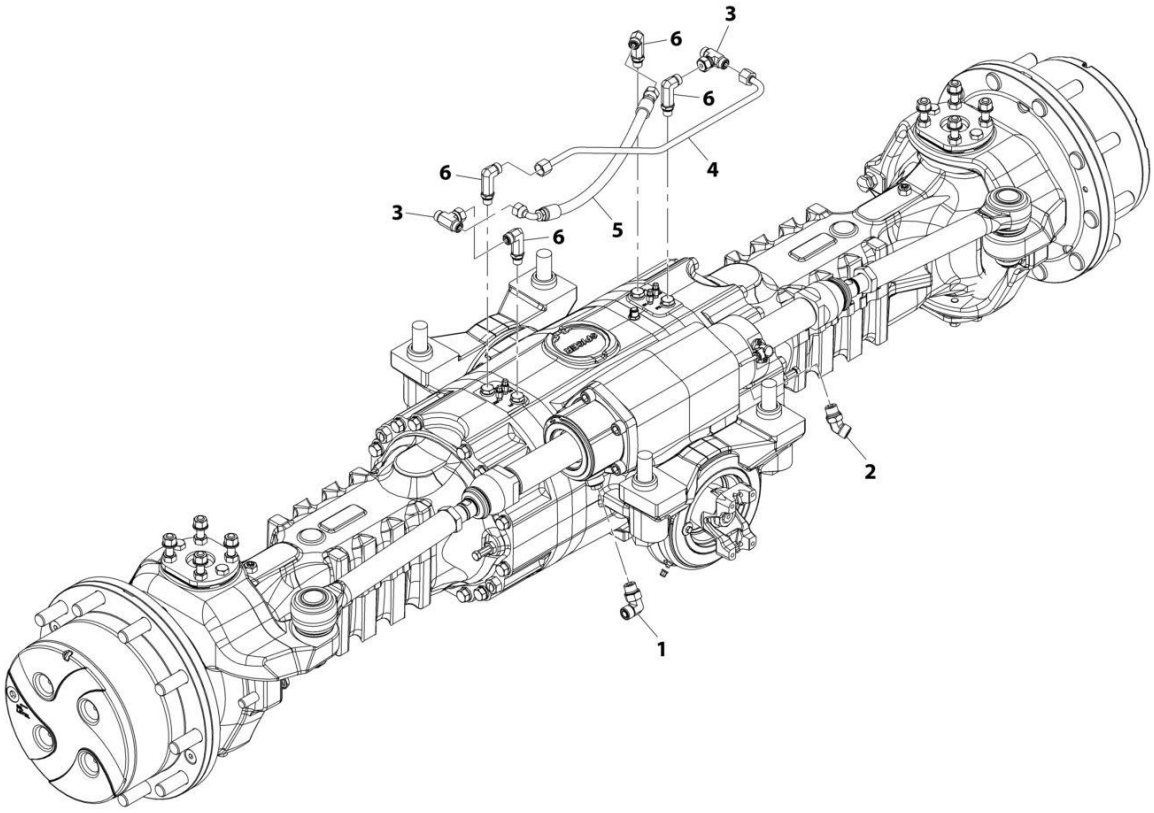


FIGURE 5-8. FRONT AXLE LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207898	Ref	Front Axle Lines Installation	C
1	2130808	1	Fitting, 90 ORFS	
2	2150808	1	Fitting, 45 ORFS	
3	2170806	2	Fitting, Tee ORFS	
4	1001224598	1	Tube	
5	1001210281	1	Hose	
6	1001210769	4	Fitting, 90 ORFS	

FIGURE 5-9. FRONT AXLE MOUNTING INSTALLATION

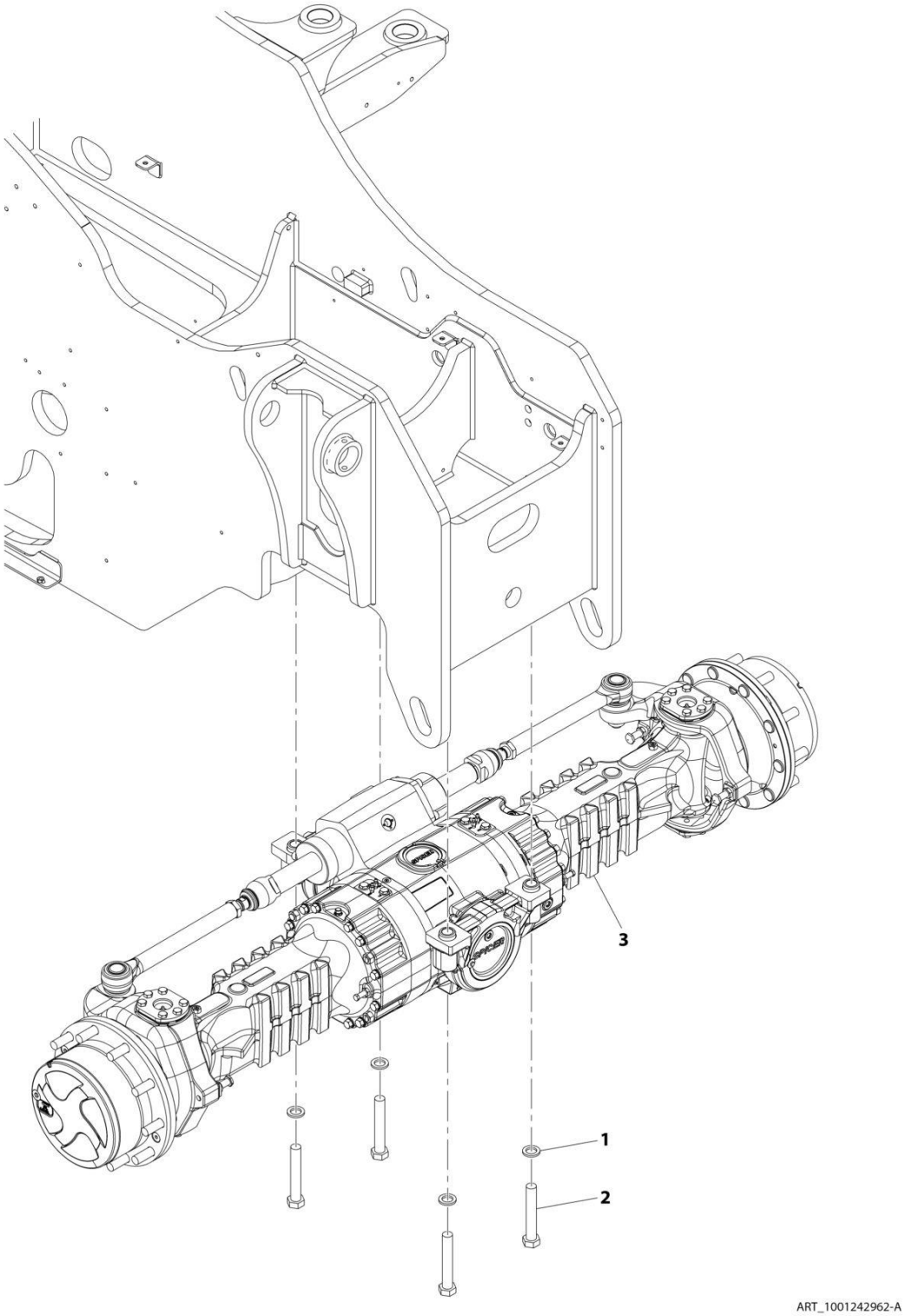


FIGURE 5-9. FRONT AXLE MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242962	Ref	Front Axle Mounting Installation	A
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24-3X150	
3	1009715900	1	Axle, Front (See Separate Breakdown in this Section)	

FIGURE 5-10. FRONT AXLE

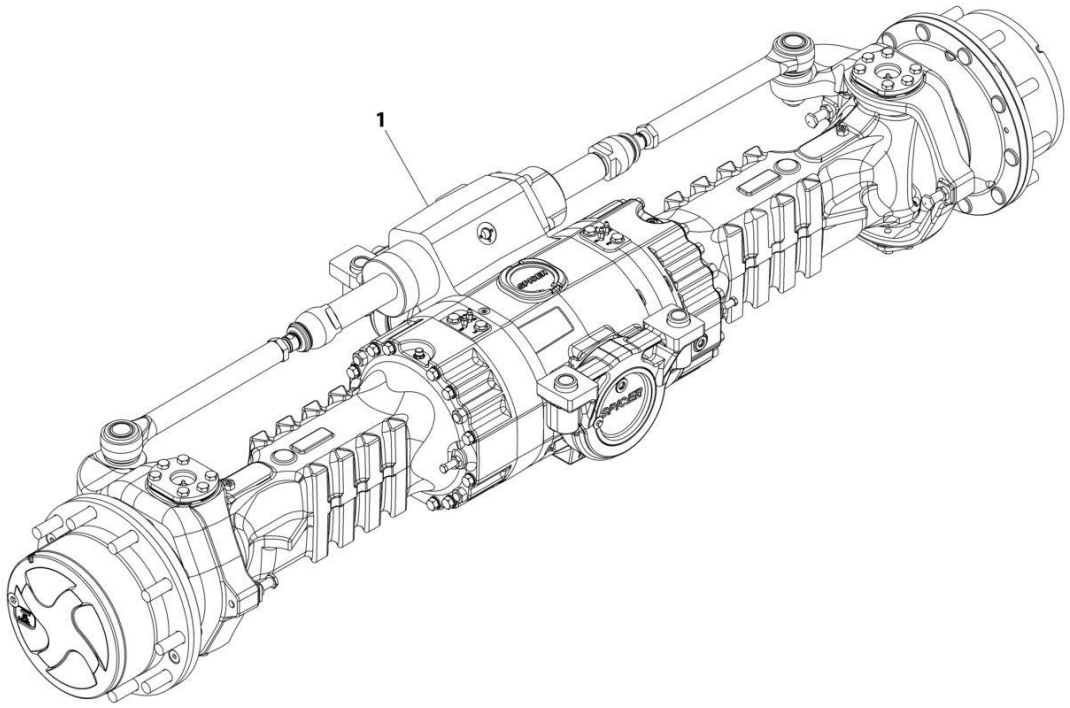


FIGURE 5-10. FRONT AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle	E
		Ref	Front Axle, Central Housing (See Separate Breakdown in this Section)	
		Ref	Front Axle, Differential (See Separate Breakdown in this Section)	
		Ref	Front Axle, Hub Reduction (See Separate Breakdown in this Section)	
		Ref	Front Axle, Brakes (See Separate Breakdown in this Section)	
		Ref	Front Axle, Steering (See Separate Breakdown in this Section)	
		Ref	Front Axle, Trunion (See Separate Breakdown in this Section)	

FIGURE 5-11. FRONT AXLE, CENTRAL HOUSING

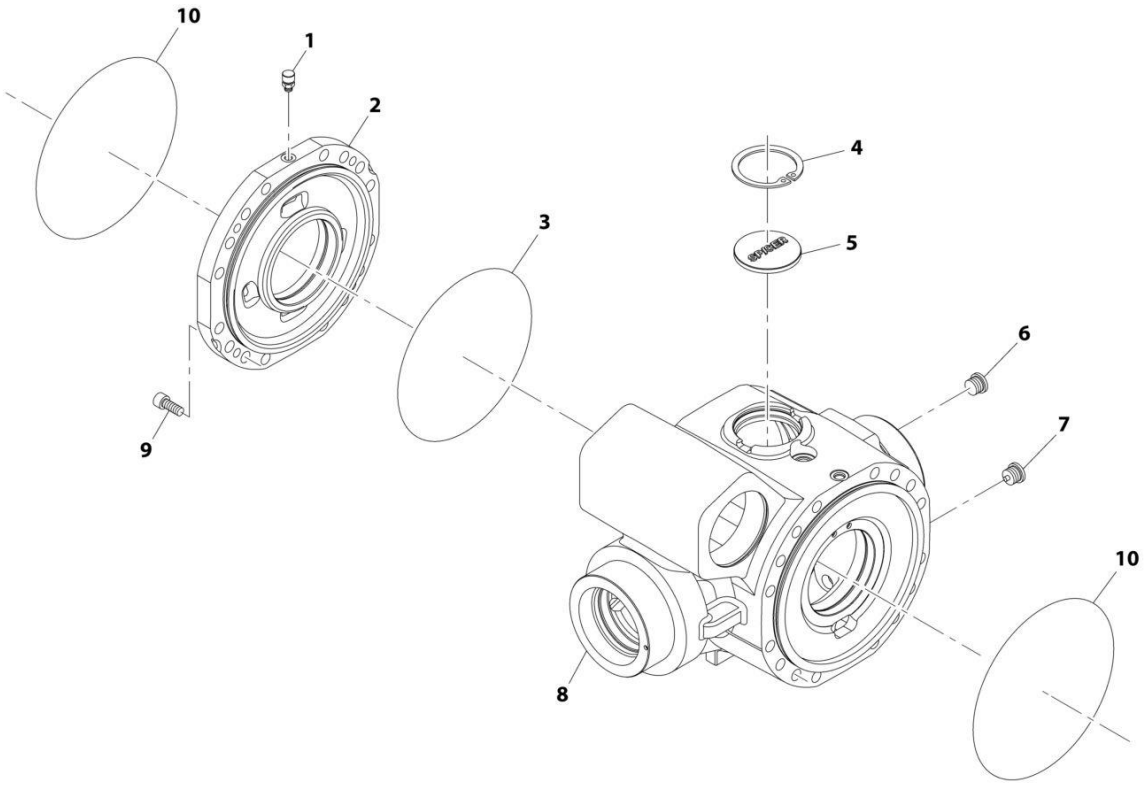


FIGURE 5-11. FRONT AXLE, CENTRAL HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Central Housing	E
1	91474512	1	Vent	
2	7029288	1	Cover, Intermediate	
3	80204002	1	O-Ring	
4	80204005	1	Circlip	
5	91514098	1	Plug	
6	70028389	1	Plug	
7	70028388	1	Plug	
8	70025335	1	Housing	
9	91514101	4	Bolt	
10	91514089	2	O-Ring	

FIGURE 5-12. FRONT AXLE, DIFFERENTIAL

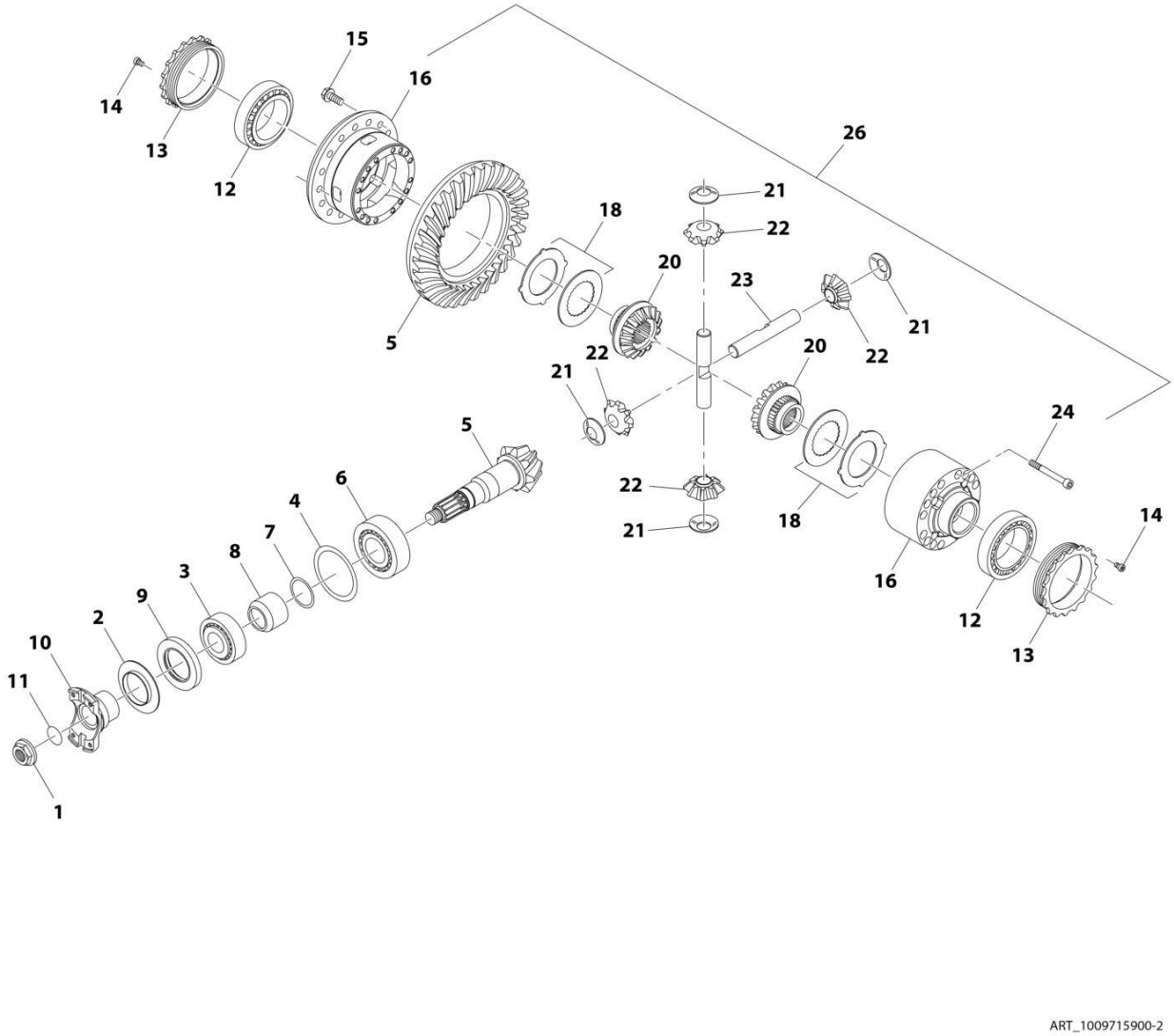


FIGURE 5-12. FRONT AXLE, DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Differential	E
1	80204043	1	Nut	
2	91514130	1	Plate, Cover	
3	70030024	1	Bearing, Tape Roller	
4	70029483	1	Shim	
5	70026255	1	Gear, Bevel Set	
6	80204035	1	Bearing, Tape Roller	
7	70023494	1	Ring	
8	70022140	1	Spacer	
9	70025887	1	Seal	
10	91514131	1	Flange	
11	10725554	1	O-Ring	
12	80204033	2	Bearing, Tape Roller	
13	91514133	2	Nut, Ring	
14	91514134	2	Bolt	
15	70025562	16	Bolt	
16	70024004	1	Carrier, Differential	
18	70026750	2	Clutch Disc	
20	70025856	2	Gear, Differential Side	
21	70027105	4	Washer	
22	70025339	4	Pinion, Differential	
23	70023490	2	Shaft, Differential	
24	91514143	15	Bolt	
26	70028390	1	Kit, Differential (Includes Items 16 & 20 thru 24)	

FIGURE 5-13. FRONT AXLE, HUB REDUCTION

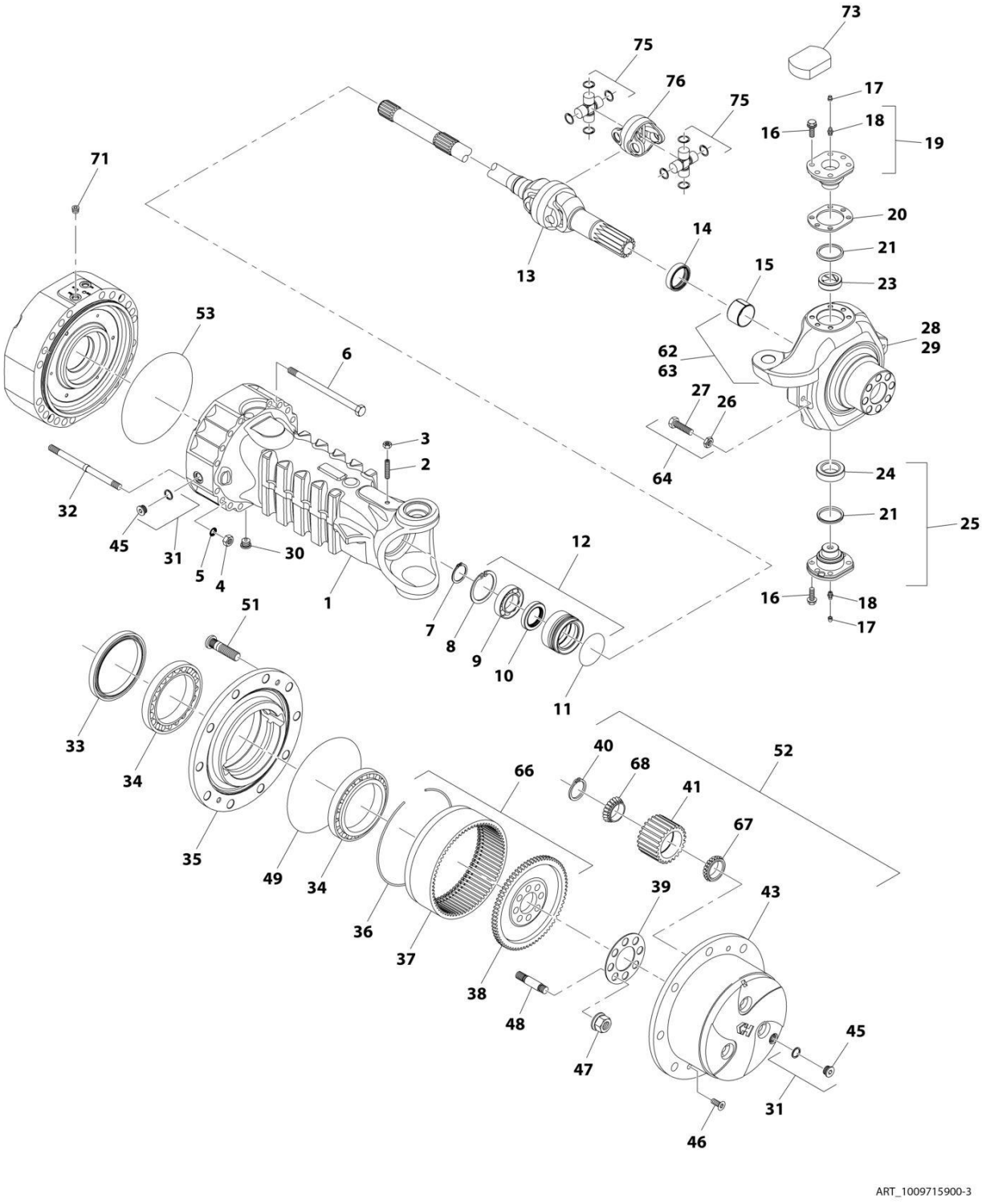


FIGURE 5-13. FRONT AXLE, HUB REDUCTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Hub Reduction	E
1	70024850	2	Case, Axle	
2	91514081	2	Bolt	
3	91514082	2	Nut	
4	91514083	8	Nut	
5	91514084	8	Washer	
6	7029309	24	Bolt	
7	80204071	2	Circlip	
8	80204005	2	Circlip	
9	91514146	2	Ball Bearing	
10	91514147	2	Seal	
11	91514148	2	O-Ring	
12	91514149	2	Kit, Reduction Bushing (Includes Items 8 thru 11)	
13	70025855	2	Joint, Double Universal	
14	70026238	2	Seal	
15	91514111	2	Thrust Bushing	
16	70025562	24	Bolt	
17	80204117	4	Plug	
18	70024881	4	Fitting, Grease	
19	91514112	2	Pin	
20	70025561	1	Shim	
21	7028716	4	Seal, Dust	
23	7028714	2	Bushing	
24	91514095	2	Bearing	
25	7028715	2	Pin	
26	80204065	4	Nut	
27	91514117	4	Bolt	
28	N.S.S.	1	Steer Case (LF, RR)	
29	N.S.S.	1	Steer Case (RF, LR)	
30	70028388	2	Plug	
31	91514188	2	Plug	
32	70024851	8	Stud	
33	70026002	2	Seal	
34	80204076	4	Bearing, Taper Roller	
35	91514174	2	Hub, Wheel	
36	91514175	2	Circlip	
37	70024147	2	Gear, Ring	
38	91514177	2	Support, Ring Gear	
39	91514178	2	Plate	
40	70028926	8	Snap Ring	
41	70028924	8	Pinion, Differential	
43	70029486	2	Carrier, Planet Gear	
45	70028389	2	Plug	
46	91514189	4	Bolt, Countersunk	
47	91514179	16	Nut	
48	91514180	16	Stud	
49	91514181	2	O-Ring	
51	91514183	20	Wheel Stud	
52	70029454	2	Assembly, Planet Gear Carrier (Includes Items 40, 41, 43, 67 &68)	
53	91514089	2	O-Ring	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
62	70030025	1	Assembly, Steer Case (LF, RR) (Includes Items 15 & 28)	
63	70030026	1	Assembly, Steer Case (RF, LR) (Includes Items 15 & 29)	
64	7028733	4	Bolt, Steering Adjust	
66	70024146	2	Kit, Ring Gear Support (Includes Items 36 thru 38)	
67	70028923	8	Tapered Roller Bearing	
68	70028922	8	Tapered Roller Bearing	
71	80204012	2	Plug	
73	70028392	2	Cover	
75	70023829	2	Cross Kit	
76	70023116	1	Center Body	

FIGURE 5-14. FRONT AXLE, BRAKES

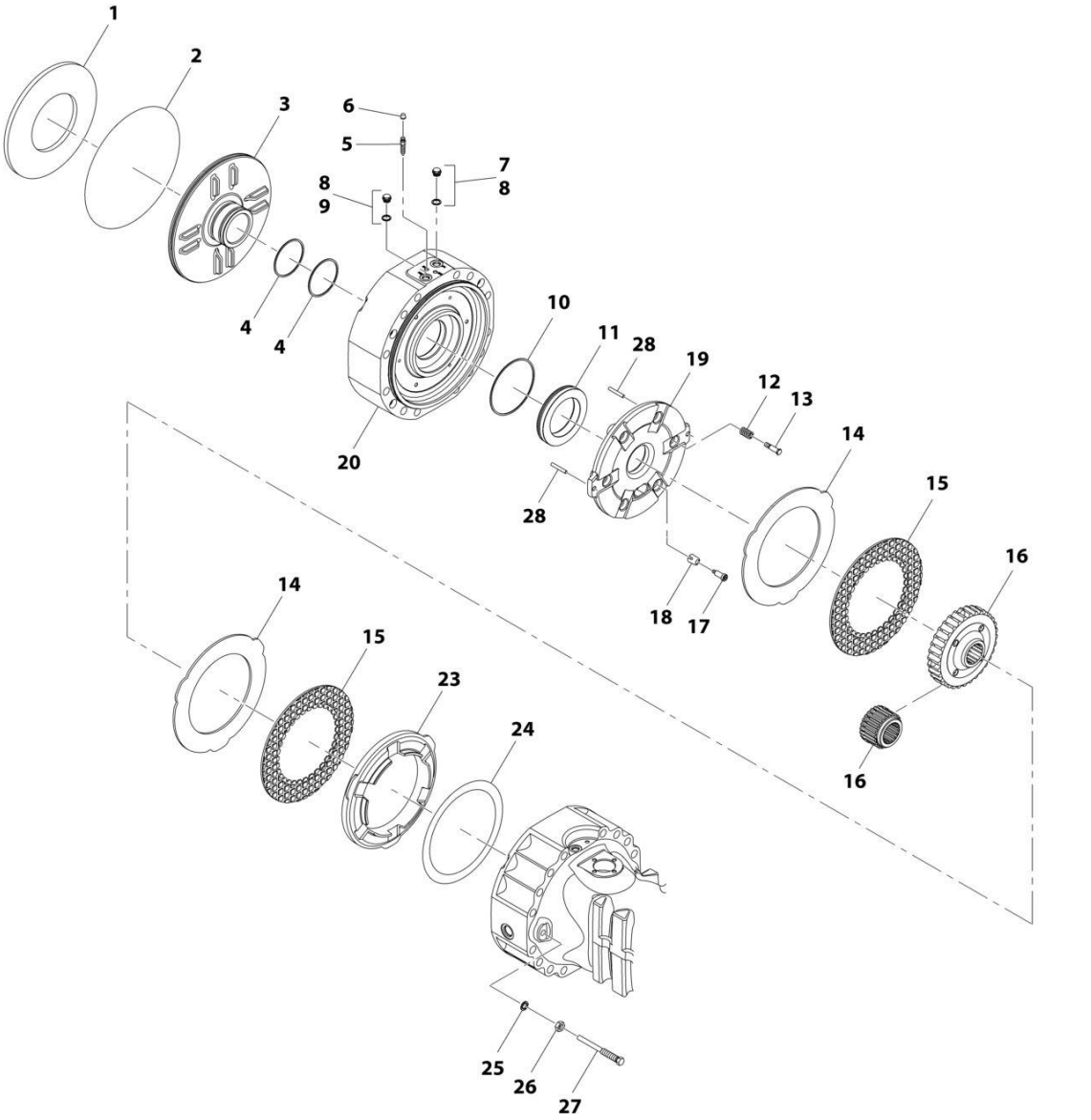


FIGURE 5-14. FRONT AXLE, BRAKES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Brakes	E
1	91514151	2	Washer	
2	91514089	2	O-Ring	
3	70027092	2	Piston	
4	70026262	4	Seal	
5	10725627	4	Bolt, Bleeding	
6	80204117	4	Plug	
7	91514154	2	Plug With Seal	
8	N.S.S.	4	Seal	
9	91514154	2	Plug With Seal	
10	70026263	2	Seal	
11	70027796	2	Piston	
12	91514159	6	Spring	
13	70024210	6	Bolt, Adjusting	
14	70027022	6	Disc, Intermediate Brake	
15	7029735	6	Disc, Brake	
16	7029734	2	Bushing, Reduction	
17	7029787	6	Bolt, Adjusting	
18	70027317	6	Spring	
19	70024849	2	Disc, Intermediate Brake	
20	70024848	2	Cover	
23	70026264	2	Spacer	
24	70025970	1	Shim	
25	80204108	4	Washer, Lock	
26	80204060	4	Nut	
27	70024213	4	Bolt	
28	70024215	4	Dowel	

FIGURE 5-15. FRONT AXLE, STEERING

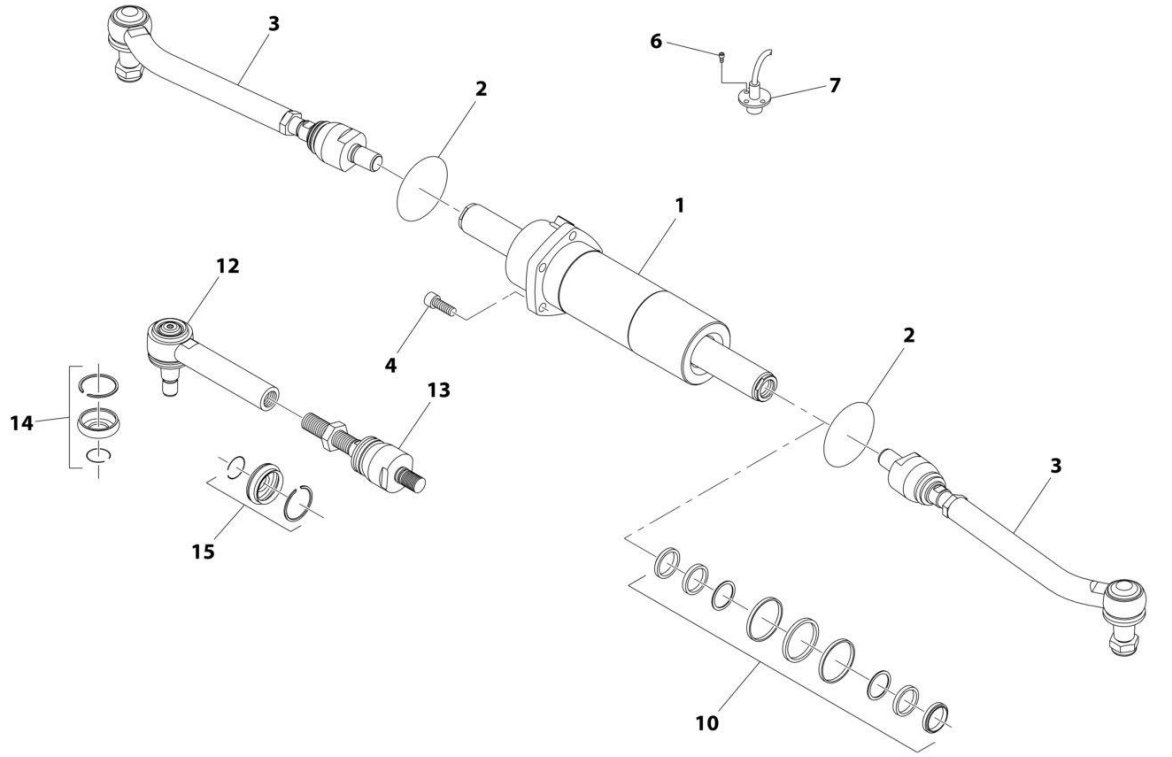


FIGURE 5-15. FRONT AXLE, STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Steering	E
1	70030027	1	Cylinder	
2	80204143	2	O-Ring	
3	70026753	2	Tie Rod	
4	80204144	5	Bolt	
6	8008175	3	Bolt	
7	70030028	1	Sensor	
10	7029127	1	Kit, Seal	
12	70028465	1	Joint, 90	
13	70028466	1	Axial Joint Shaft	
14	70028467	1	Rubber Boot and Locking Ring Kit	
15	70028468	1	Rubber Boot and Locking Ring Kit	

FIGURE 5-16. FRONT AXLE, TRUNION

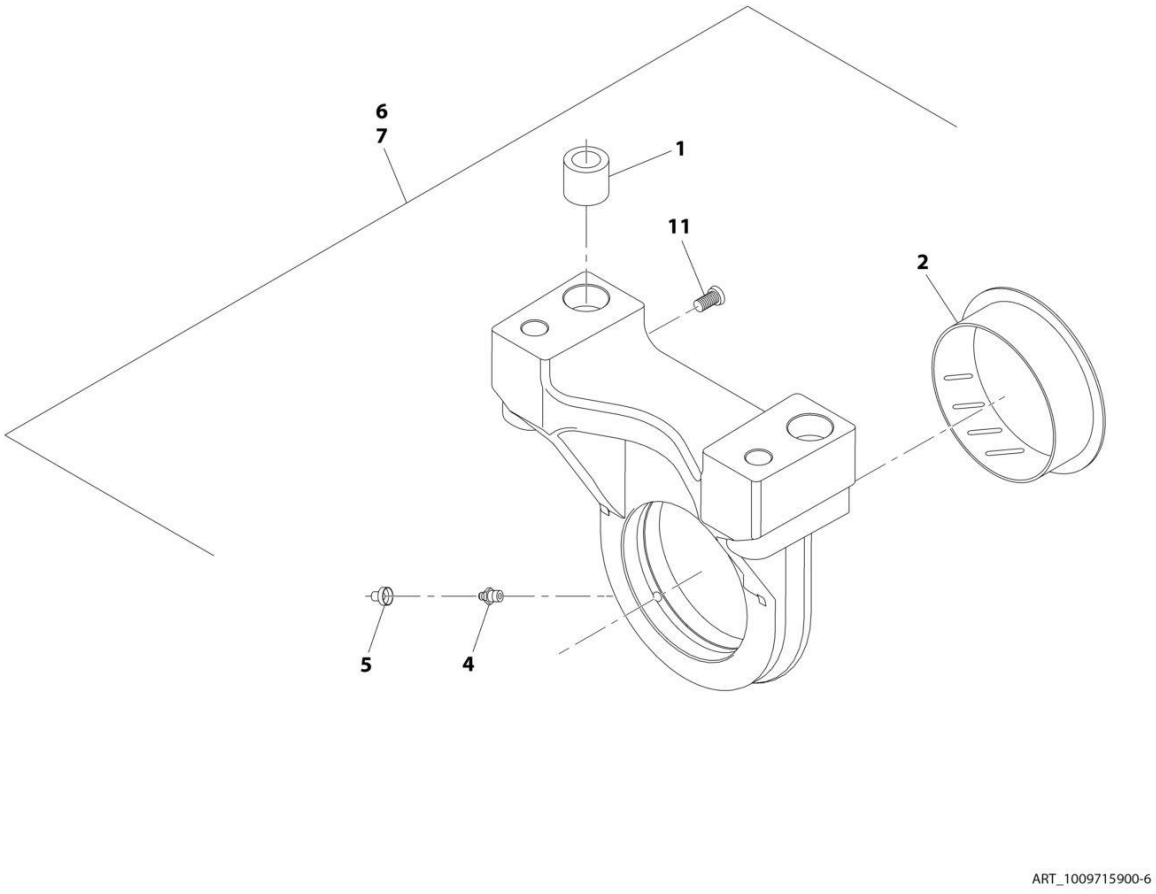


FIGURE 5-16. FRONT AXLE, TRUNION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Trunion	E
1	7029290	4	Bushing	
2	91514090	2	Thrust Bushing	
4	70024881	2	Grease Fitting	
5	80204117	2	Plug	
6	70026266	1	Support Assembly	
7	70026265	1	Support Assembly	
11	70025884	2	Bolt	

FIGURE 5-17. REAR AXLE INSTALLATION

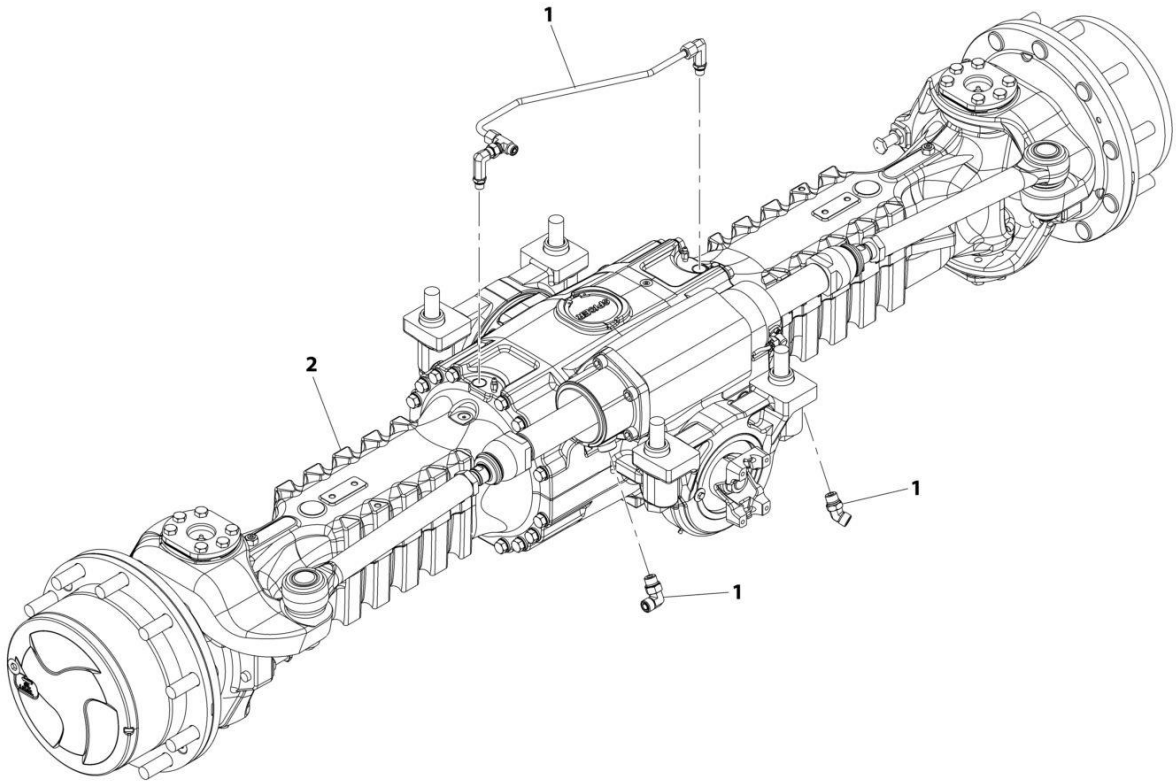


FIGURE 5-17. REAR AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244032	Ref	Rear Axle Installation	A
1	1001207899	1	Installation, Rear Axle Lines (See Separate Breakdown in this Section)	
2	1001242963	1	Installation, Rear Axle Mounting (See Separate Breakdown in this Section)	

FIGURE 5-18. REAR AXLE LINES INSTALLATION

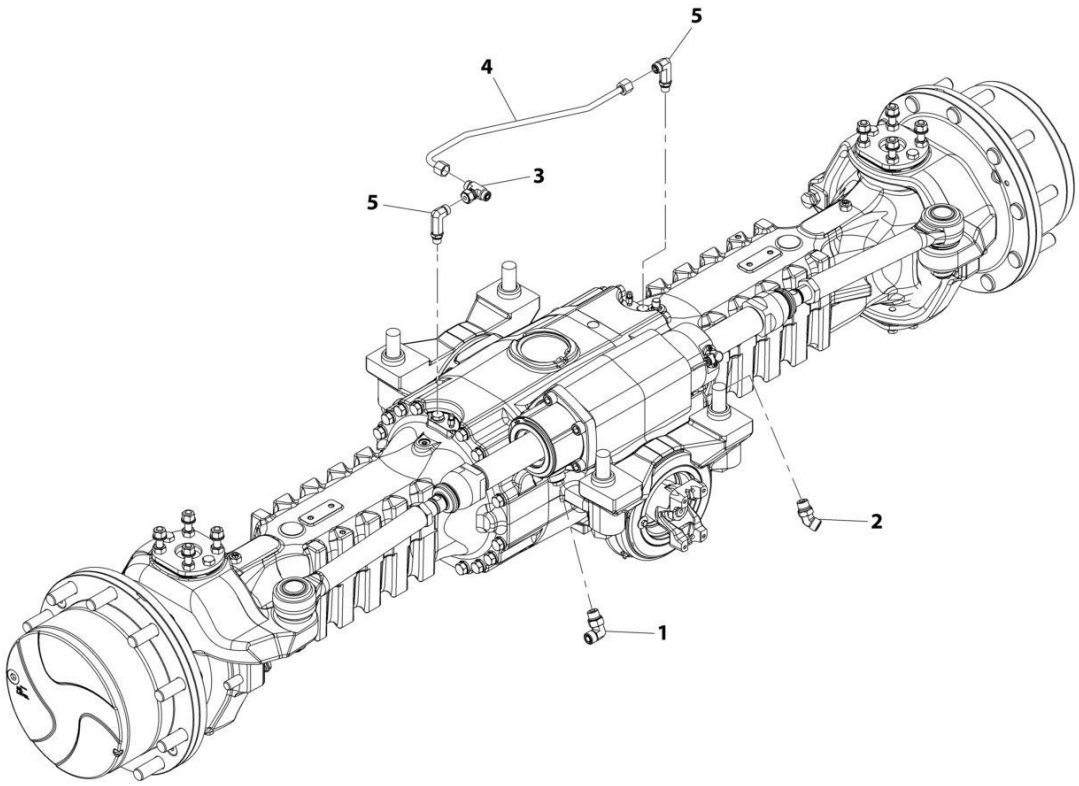


FIGURE 5-18. REAR AXLE LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207899	Ref	Rear Axle Lines Installation	C
1	2130808	1	Fitting, 90 ORFS	
2	2150808	1	Fitting, 45 ORFS	
3	2170806	1	Fitting, Tee ORFS	
4	1001224938	1	Tube	
5	1001210769	2	Fitting, 90 ORFS	

FIGURE 5-19. REAR AXLE MOUNTING INSTALLATION

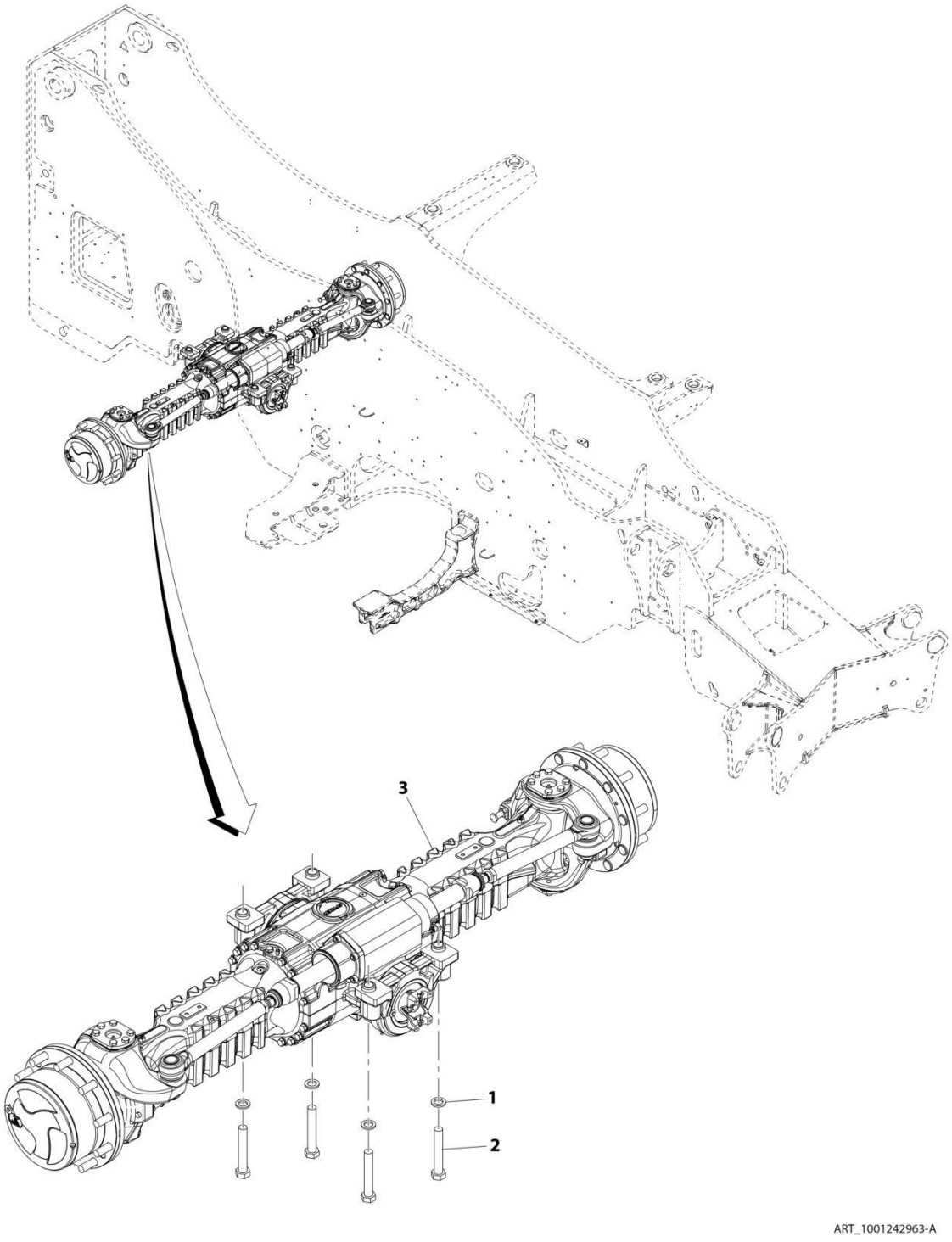
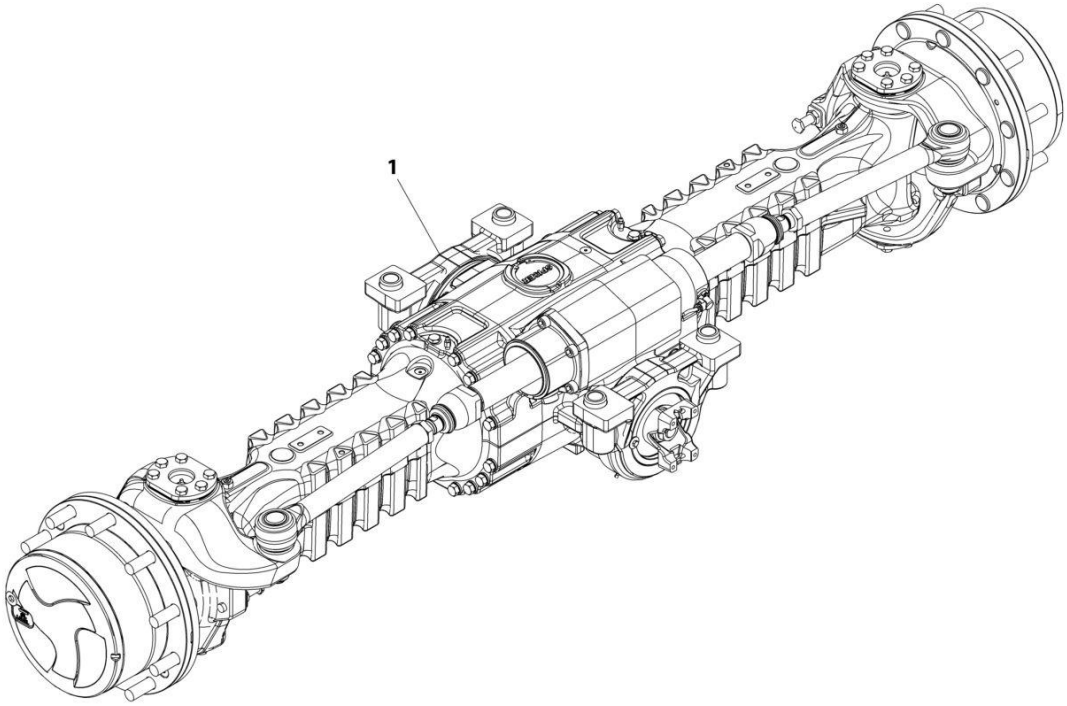


FIGURE 5-19. REAR AXLE MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242963	Ref	Rear Axle Mounting Installation	A
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24-3X150	
3	1009716000	1	Axle, Rear (See Separate Breakdown in this Section)	

FIGURE 5-20. REAR AXLE



ART_1009716000-A

FIGURE 5-20. REAR AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle	E
		Ref	Rear Axle, Central Housing (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Differential (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Hub Reduction (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Brakes (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Steering (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Trunnion (See Separate Breakdown in this Section)	

FIGURE 5-21. REAR AXLE, CENTRAL HOUSING

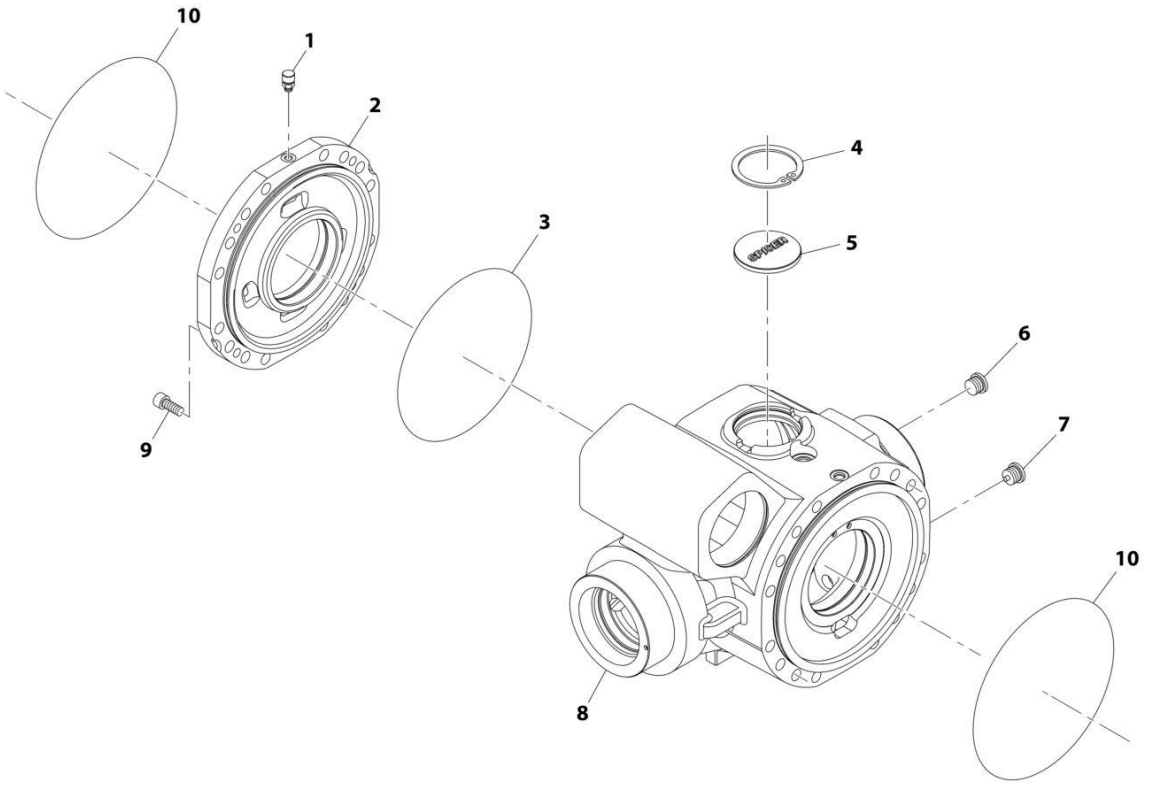


FIGURE 5-21. REAR AXLE, CENTRAL HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Central Housing	E
1	91474512	1	Vent	
2	7029288	1	Cover, Intermediate	
3	80204002	1	O-Ring	
4	80204005	1	Circlip	
5	91514098	1	Plug	
6	70028389	1	Plug	
7	70028388	1	Plug	
8	70025335	1	Housing	
9	91514101	4	Bolt	
10	91514089	2	O-Ring	

FIGURE 5-22. REAR AXLE, DIFFERENTIAL

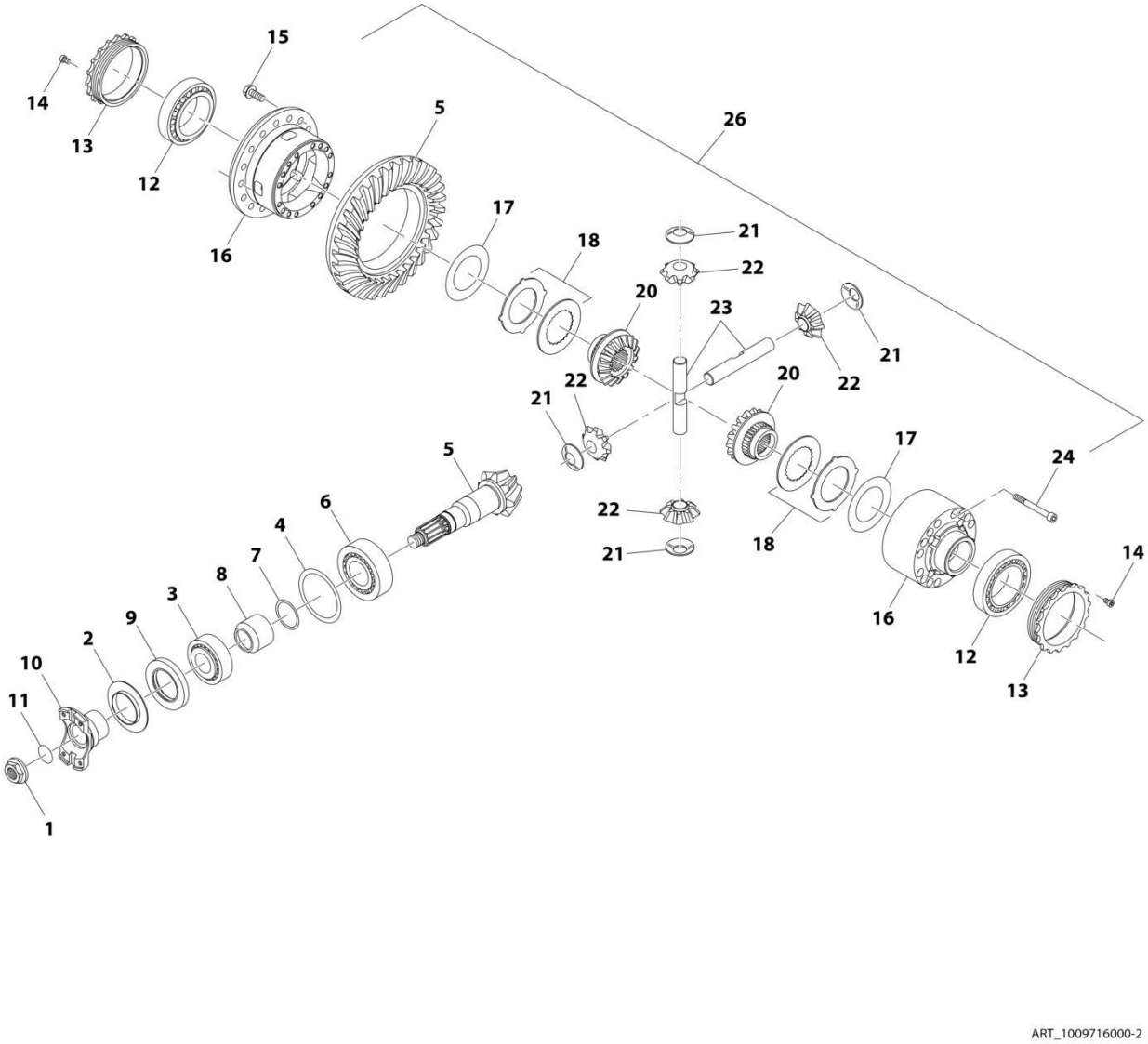
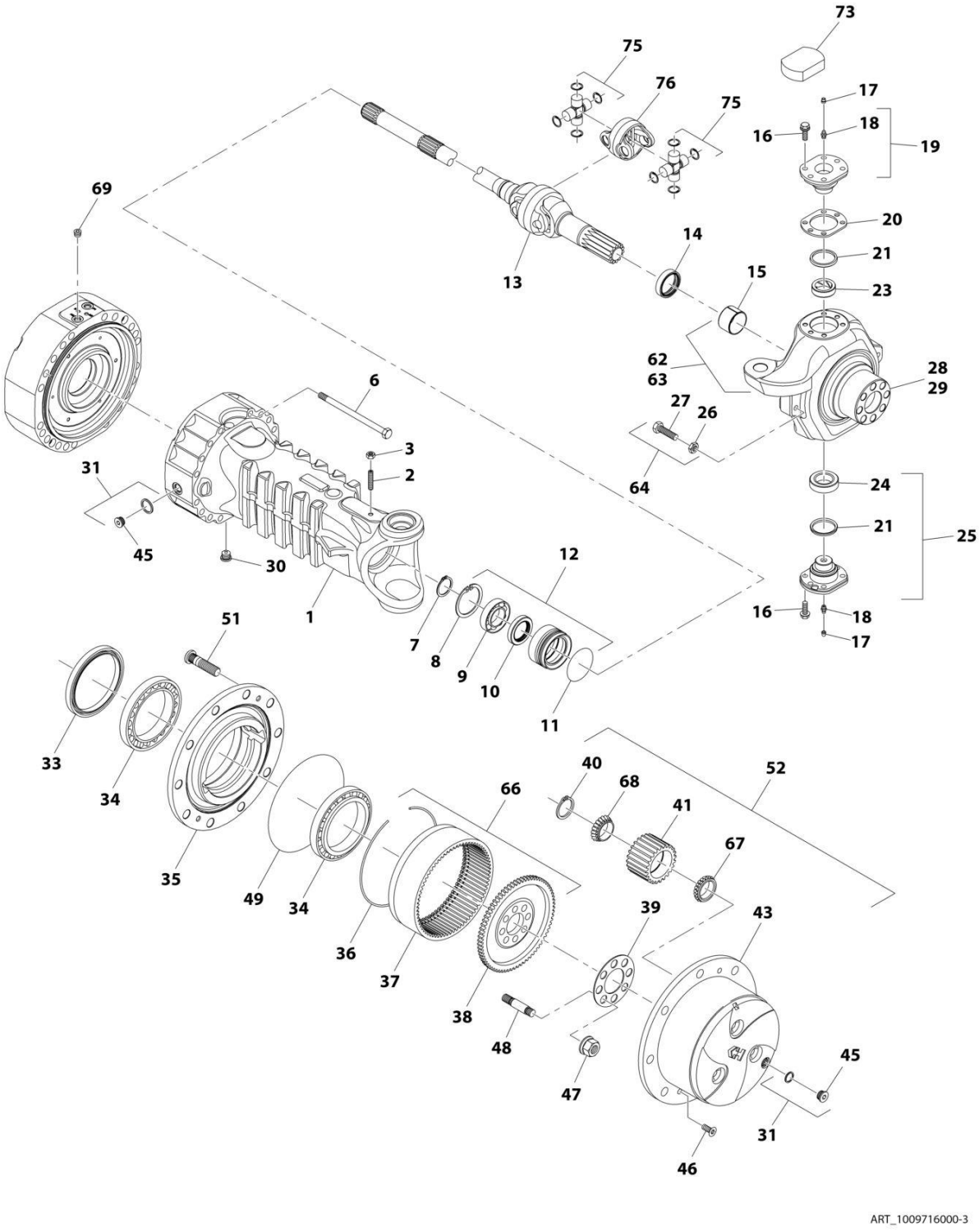


FIGURE 5-22. REAR AXLE, DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Differential	E
1	80204043	1	Nut	
2	91514130	1	Plate, Cover	
3	70030024	1	Bearing, Tape Roller	
4	70029483	1	Shim	
5	70025336	1	Gear, Bevel Set	
6	80204035	1	Bearing, Tape Roller	
7	70023494	1	Ring	
8	70022140	1	Spacer	
9	70025887	1	Seal	
10	91514131	1	Flange	
11	10725554	1	O-Ring	
12	80204033	2	Bearing, Tape Roller	
13	91514133	2	Nut, Ring	
14	91514134	2	Bolt	
15	70025562	16	Bolt	
16	70025337	1	Carrier, Differential	
17	70023493	2	Friction Washer	
18	N.S.S.	2	Clutch Disc	
20	70025338	2	Gear, Differential Side	
21	70027105	4	Washer	
22	70025339	4	Pinion, Differential	
23	70023490	2	Shaft, Differential	
24	70023489	15	Bolt	
26	70028398	1	Kit, Differential (Includes Items 16 thru 18 & 20 thru 24)	

FIGURE 5-23. REAR AXLE, HUB REDUCTION



ART_1009716000-3

FIGURE 5-23. REAR AXLE, HUB REDUCTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Hub Reduction	E
1	70030030	2	Case, Axle	
2	91514081	2	Bolt	
3	91514082	2	Nut	
6	70028397	32	Bolt	
7	80204071	2	Circlip	
8	80204005	2	Circlip	
9	91514146	2	Ball Bearing	
10	91514147	2	Seal	
11	91514148	2	O-Ring	
12	91514149	2	Kit, Reduction Bushing (Includes Items 8 thru 11)	
13	70025855	2	Joint, Double Universal	
14	70026238	2	Seal	
15	91514111	2	Thrust Bushing	
16	70025562	24	Bolt	
17	80204117	4	Plug	
18	70024881	4	Fitting, Grease	
19	91514112	2	Pin	
20	70025561	1	Shim	
21	7028716	4	Seal, Dust	
23	7028714	2	Bushing	
24	91514095	2	Bearing	
25	7028715	2	Pin	
26	80204065	4	Nut	
27	91514117	4	Bolt	
28	N.S.S.	1	Steer Case (LF, RR)	
29	N.S.S.	1	Steer Case (RF, LR)	
30	70028388	2	Plug	
31	91514188	2	Plug	
33	70026002	2	Seal	
34	80204076	4	Bearing, Taper Roller	
35	91514174	2	Hub, Wheel	
36	91514175	2	Circlip	
37	70024147	2	Gear, Ring	
38	91514177	2	Support, Ring Gear	
39	91514178	2	Plate	
40	70028926	6	Snap Ring	
41	70028924	6	Pinion, Differential	
43	70029486	2	Carrier, Planet Gear	
45	70028389	2	Plug	
46	91514189	4	Bolt, Countersunk	
47	91514179	16	Nut	
48	91514180	16	Stud	
49	91514181	2	O-Ring	
51	91514183	20	Wheel Stud	
52	70028882	2	Assembly, Planet Gear Carrier (Includes Items 40, 41, 43, 67 & 68)	
62	70030025	1	Assembly, Steer Case (LF, RR) (Includes Items 15 & 28)	
63	70030026	1	Assembly, Steer Case (RF, LR) (Includes Items 15 & 29)	
64	7028733	4	Bolt, Steering Adjust	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
66	70024146	2	Kit, Ring Gear Support (Includes Items 36 thru 38)	
67	70028923	6	Tapered Roller Bearing	
68	70028922	6	Tapered Roller Bearing	
69	80204012	2	Plug	
73	70028392	2	Cover	
75	70023829	2	Cross Kit	
76	70023116	1	Center Body	

FIGURE 5-24. REAR AXLE, BRAKES

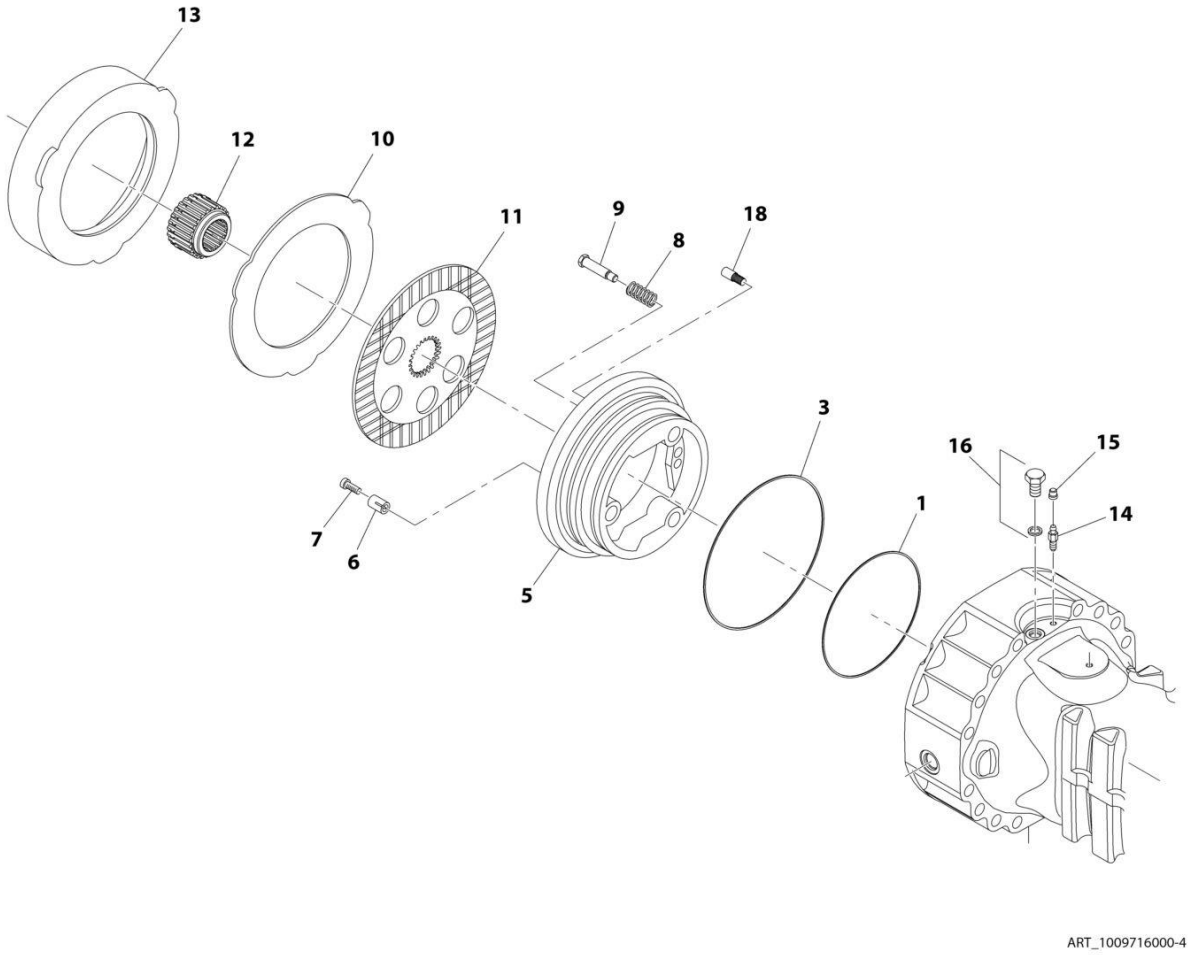


FIGURE 5-24. REAR AXLE, BRAKES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Brakes	E
1	70026747	2	Seal	
3	70026748	2	Seal	
5	70024216	2	Piston	
6	70027317	6	Spring	
7	7029785	6	Bolt, Adjusting	
8	91514159	6	Spring	
9	70024210	6	Bolt, Adjusting	
10	70027022	6	Disc, Intermediate Brake	
11	7029735	6	Disc, Brake	
12	7029734	2	Bushing, Reduction	
13	70021606	2	Spacer	
14	10725627	2	Bolt, Bleeding	
15	80204117	2	Plug	
16	91514154	2	Plug	
18	70021613	2	Bolt, Pilot	

FIGURE 5-25. REAR AXLE, STEERING

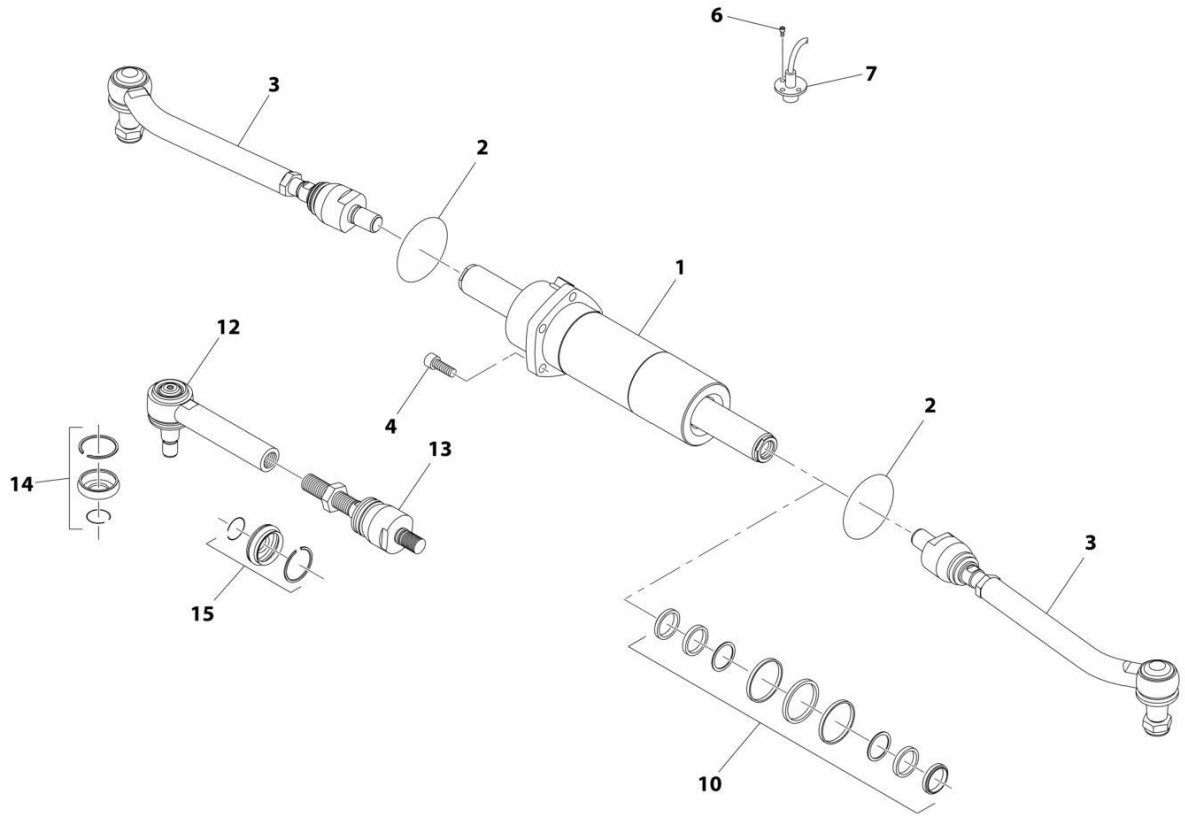


FIGURE 5-25. REAR AXLE, STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Steering	E
1	70030027	1	Cylinder	
2	80204143	2	O-Ring	
3	70026753	2	Tie Rod	
4	80204144	5	Bolt	
6	8008175	3	Bolt	
7	70030028	1	Sensor	
10	7029127	1	Kit, Seal	
12	70028465	1	Joint, 90	
13	70028466	1	Axial Joint Shaft	
14	70028467	1	Rubber Boot and Locking Ring Kit	
15	70028468	1	Rubber Boot and Locking Ring Kit	

FIGURE 5-26. REAR AXLE, TRUNION

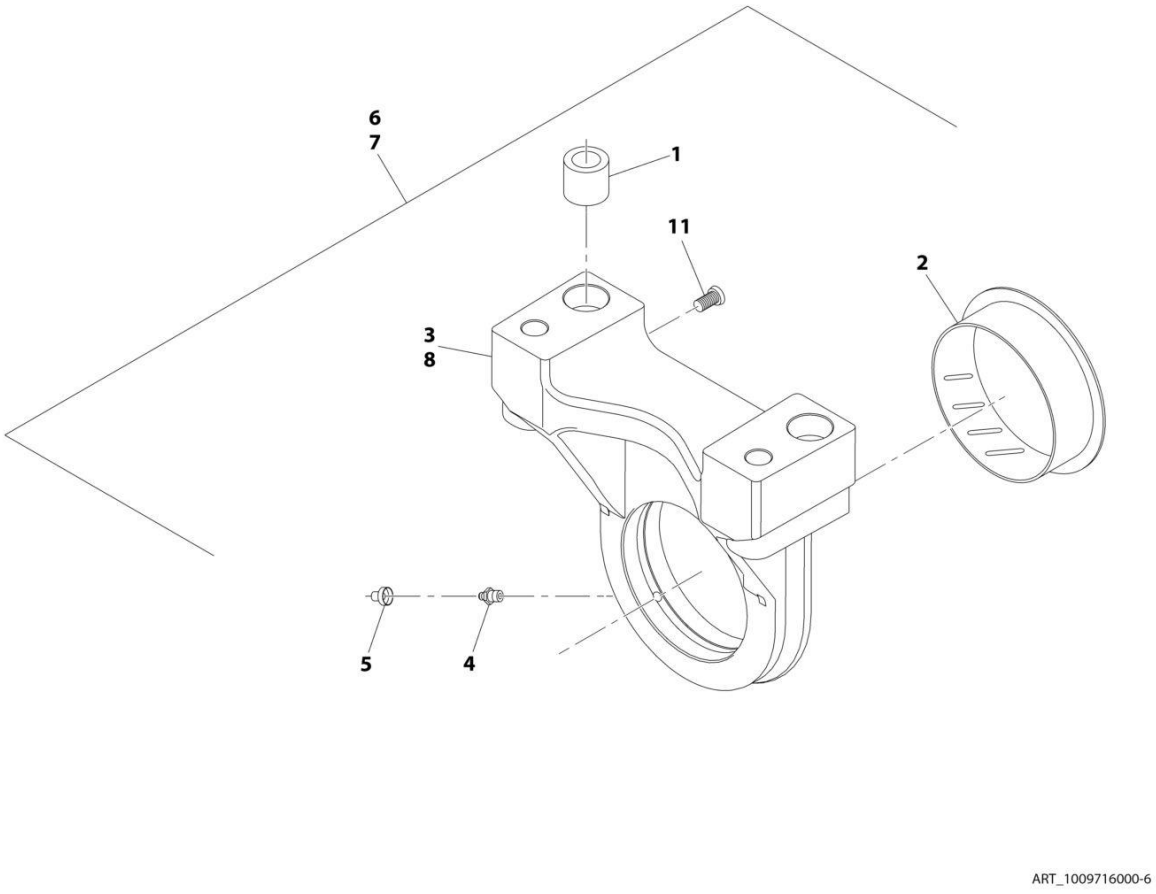


FIGURE 5-26. REAR AXLE, TRUNION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Trunion	E
1	7029290	4	Bushing	
2	91514090	2	Thrust Bushing	
3	N.S.S.	1	Support	
4	70024881	2	Grease Fitting	
5	80204117	2	Plug	
6	70026266	1	Support Assembly	
7	70026265	1	Support Assembly	
8	N.S.S.	1	Support	
11	70025884	2	Bolt	

FIGURE 5-27. HYDRAULIC MOTOR INSTALLATION

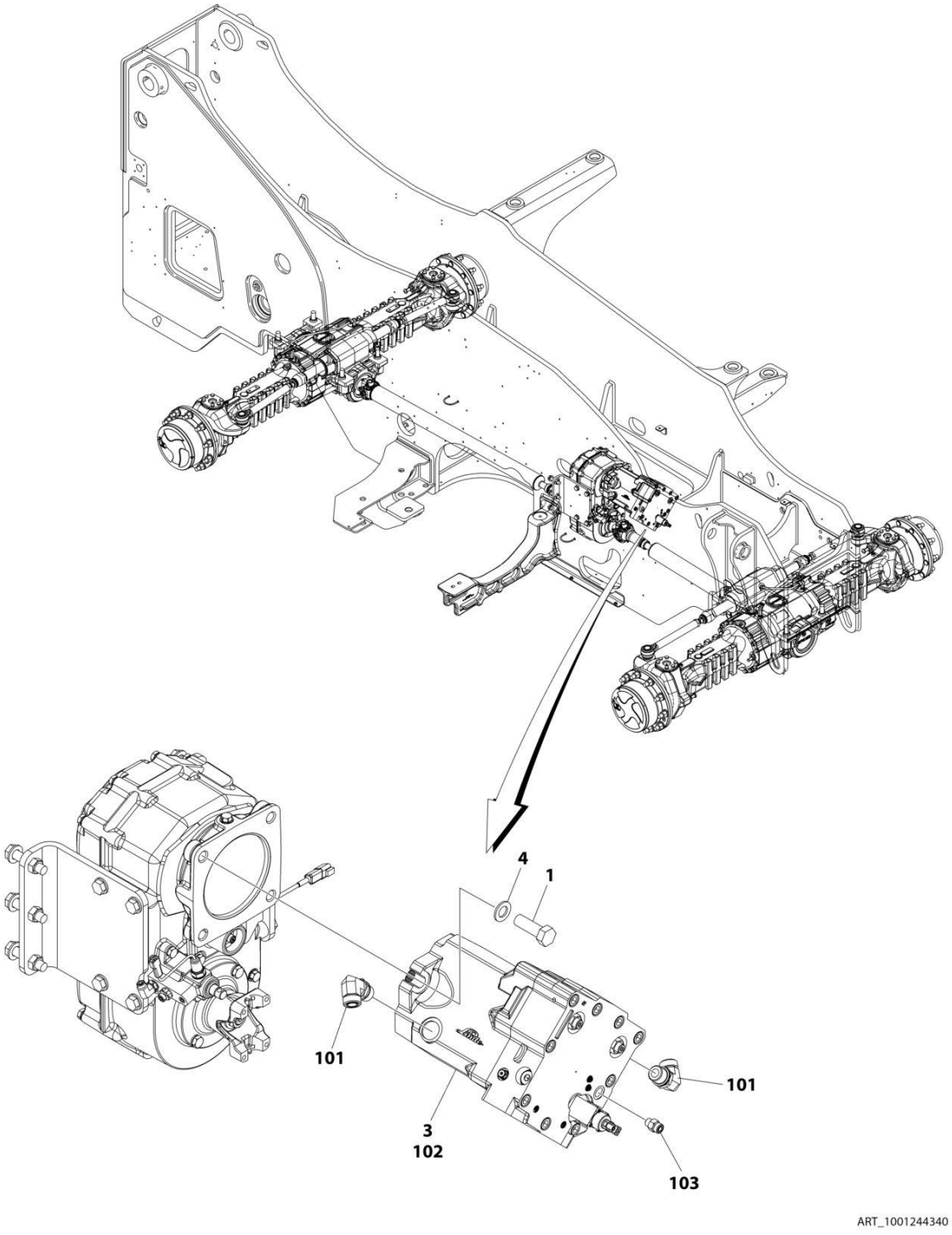


FIGURE 5-27. HYDRAULIC MOTOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244340	Ref	Hydraulic Motor Installation	B
1	0772020	2	Bolt, M16X50	
3	1001203797	Ref	Sub-Assembly, Drive Motor (includes items 101-103)	C
4	1001244524	2	Washer, M16	
101	8770248	2	Fitting	
102	1001203804	1	Hydraulic Motor (See Separate Breakdown in HYDRAULIC COMPONENTS Section) (Note: Check tag on motor before ordering parts)	
102	1001268891	1	Hydraulic Motor (See Separate Breakdown in HYDRAULIC COMPONENTS Section) (Note: Check tag on motor before ordering parts)	
103	2144605	1	Fitting, Straight (Used with Hydraulic Motor 1001268891)	

FIGURE 5-28. TIRE/WHEEL SET (FOAM 17.5-25 - 20 PLY)

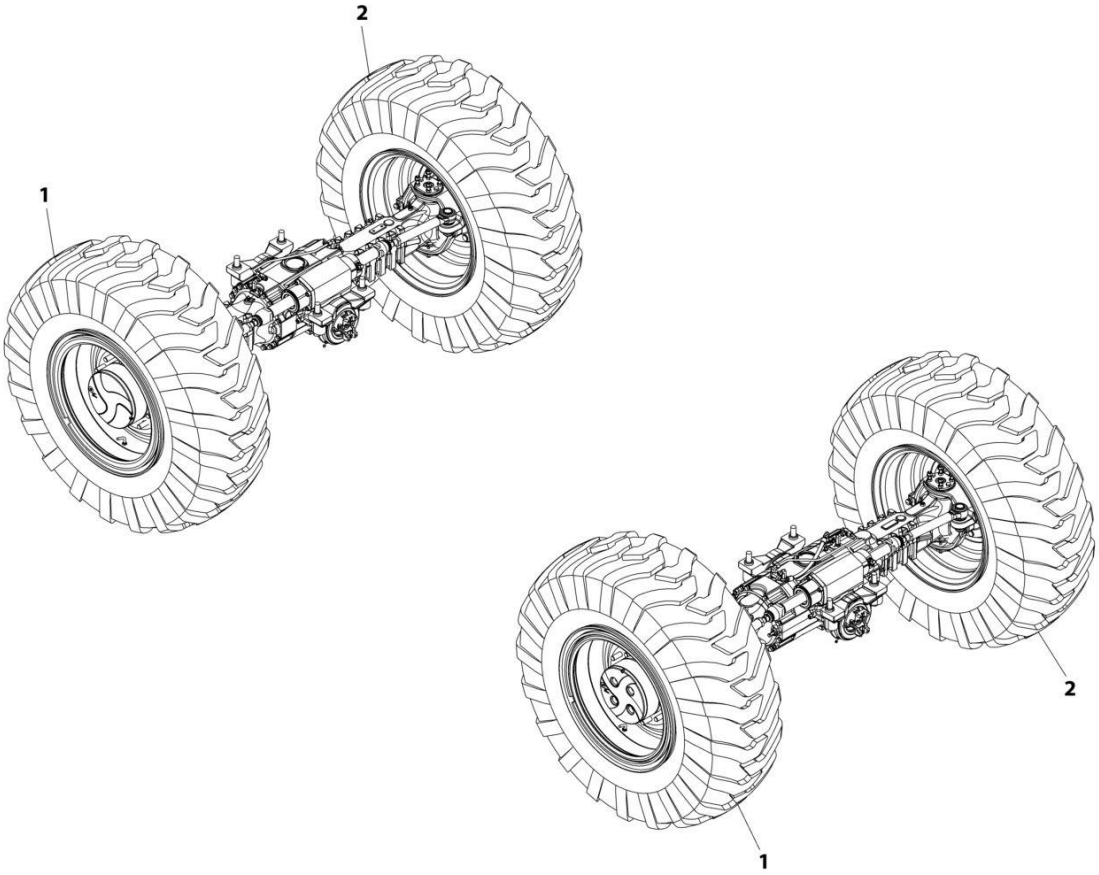


FIGURE 5-28. TIRE/WHEEL SET (FOAM 17.5-25 - 20 PLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192170	1	Tire/Wheel Set (Foam 17.5-25 - 20 PLY)	A
		Ref	**Note: Requires ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete.**	
1	1001192180	2	Assembly, Right Tire/Wheel (Foam 17.5-25 - 20 PLY)	
1	8786549	1	Valve, Stem	
1	1001187423	1	Tire, 17.5-25 20 PLY	
1	1001189288J	1	Wheel, 25X14.0 DTU 10 Hole	
2	1001192181	2	Assembly, Left Tire/Wheel (Foam 17.5-25 - 20 PLY)	
2	8786549	1	Valve, Stem	
2	1001187423	1	Tire, 17.5-25 20 PLY	
2	1001189288J	1	Wheel, 25X14.0 DTU 10 Hole	

FIGURE 5-29. CAB FENDER INSTALLATION

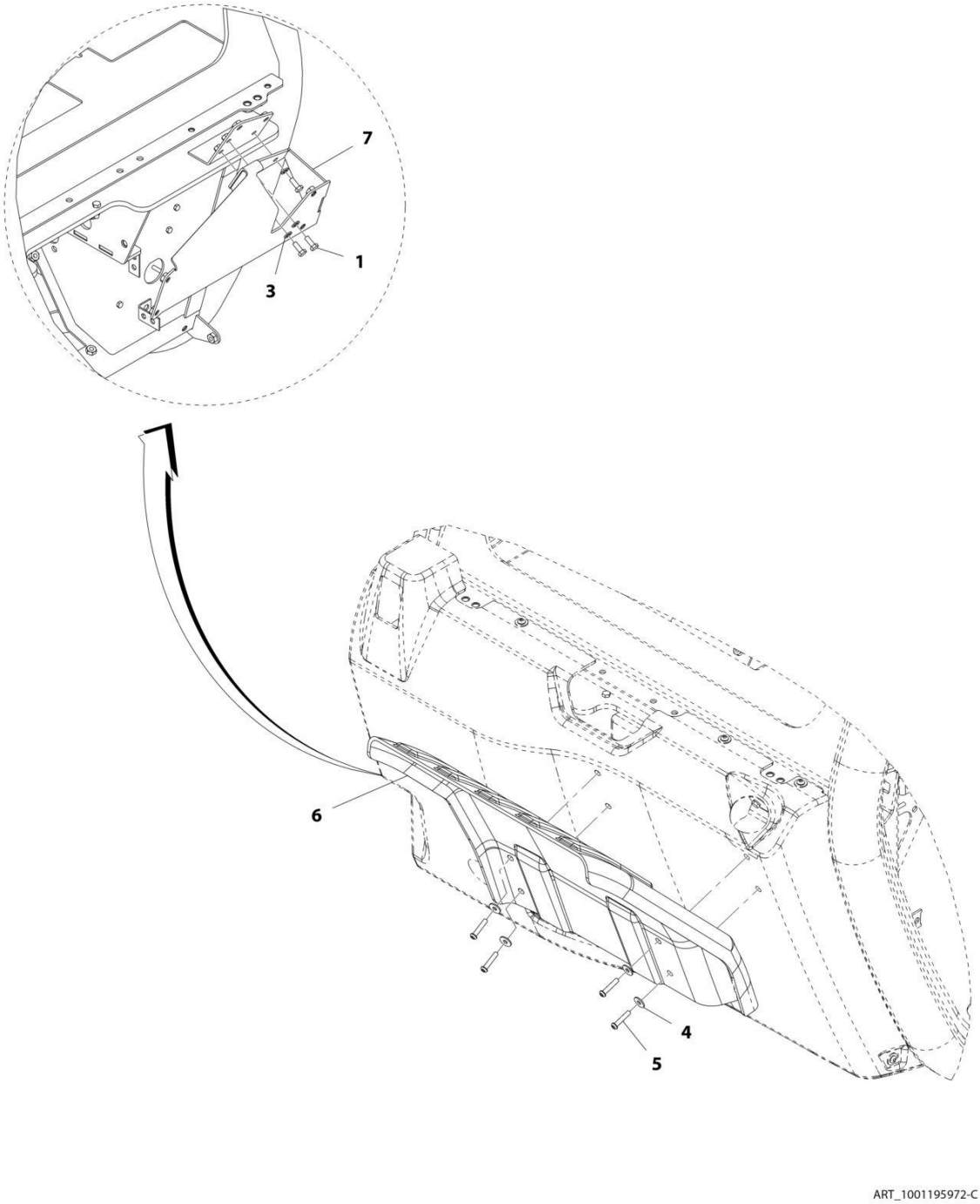


FIGURE 5-29. CAB FENDER INSTALLATION

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

FIGURE 5-30. FENDER INSTALLATION

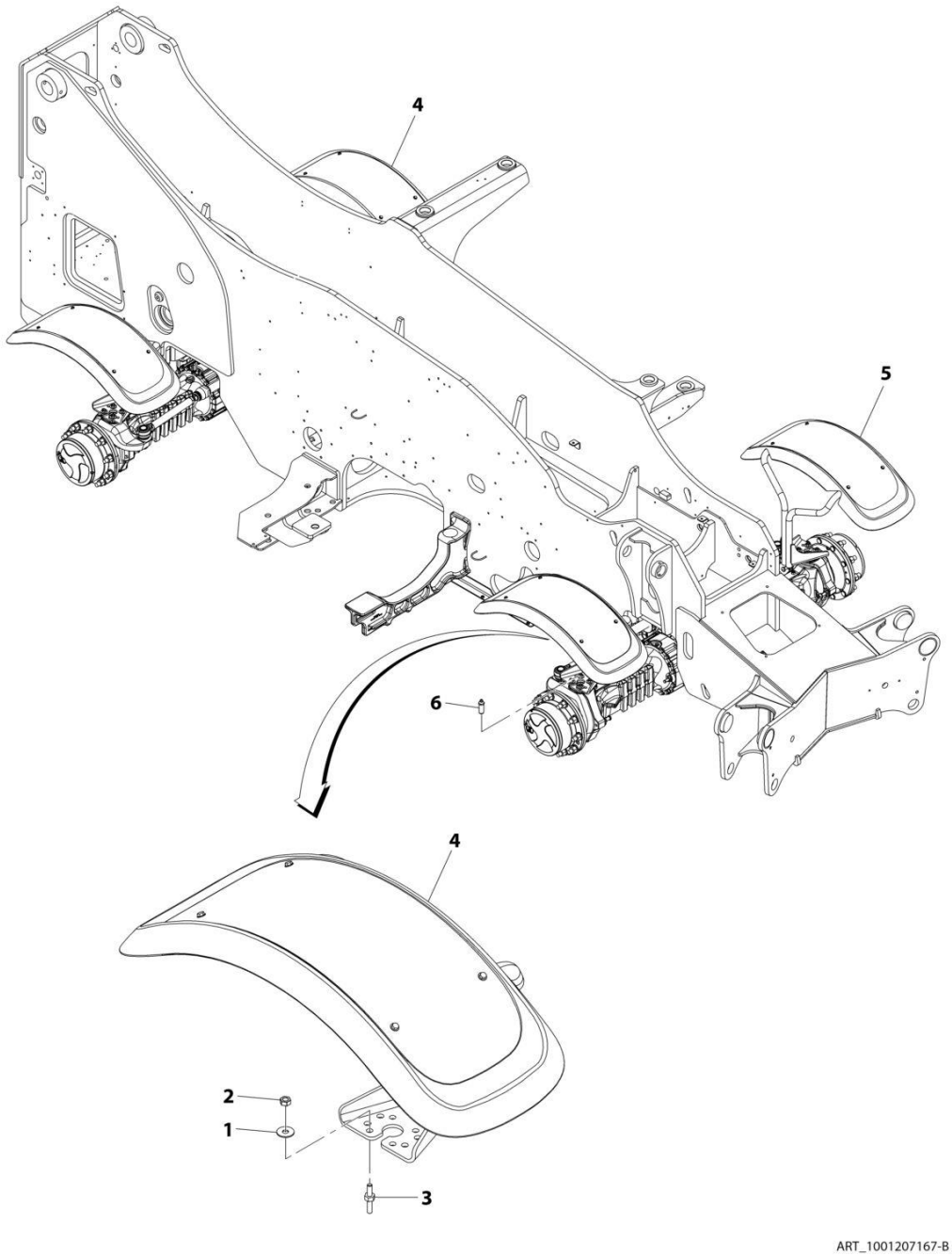


FIGURE 5-30. FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207167	Ref	Fender Installation	B
1	4812102	16	Washer, M12	
2	91513266	16	Nut, M12X1.25	
3	91514118	16	Stud, Fender	
4	1001258117	2	Assembly, RH Fender (See Separate Breakdown in this Section)	
5	1001258118	2	Assembly, LH Fender (See Separate Breakdown in this Section)	
6	1001225317	4	Fitting, Grease	

FIGURE 5-31. RH FENDER ASSEMBLY

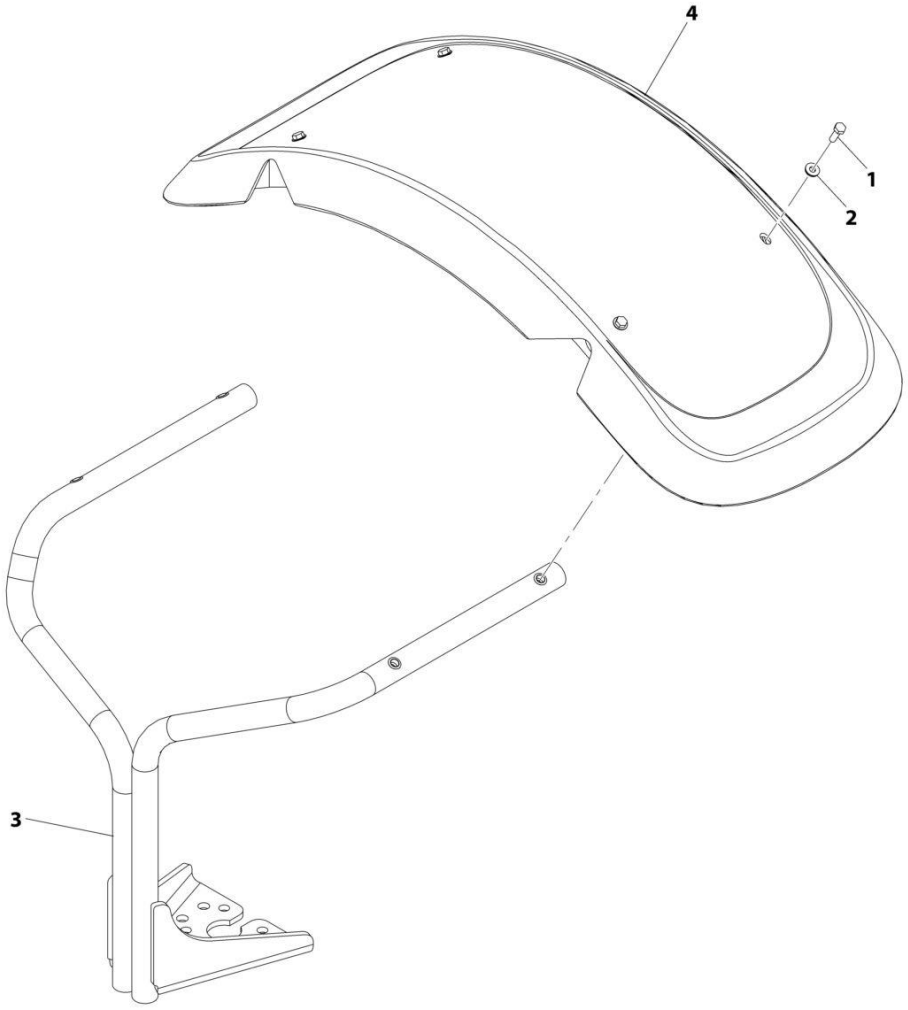


FIGURE 5-31. RH FENDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258117	Ref	RH Fender Assembly	B
1	0760812	4	Bolt, M8X25	
2	1001202786	4	Washer	
3	1001258121	1	Bracket, Fender RH Assembly	
4	1001168264	1	Fender	

FIGURE 5-32. LH FENDER ASSEMBLY

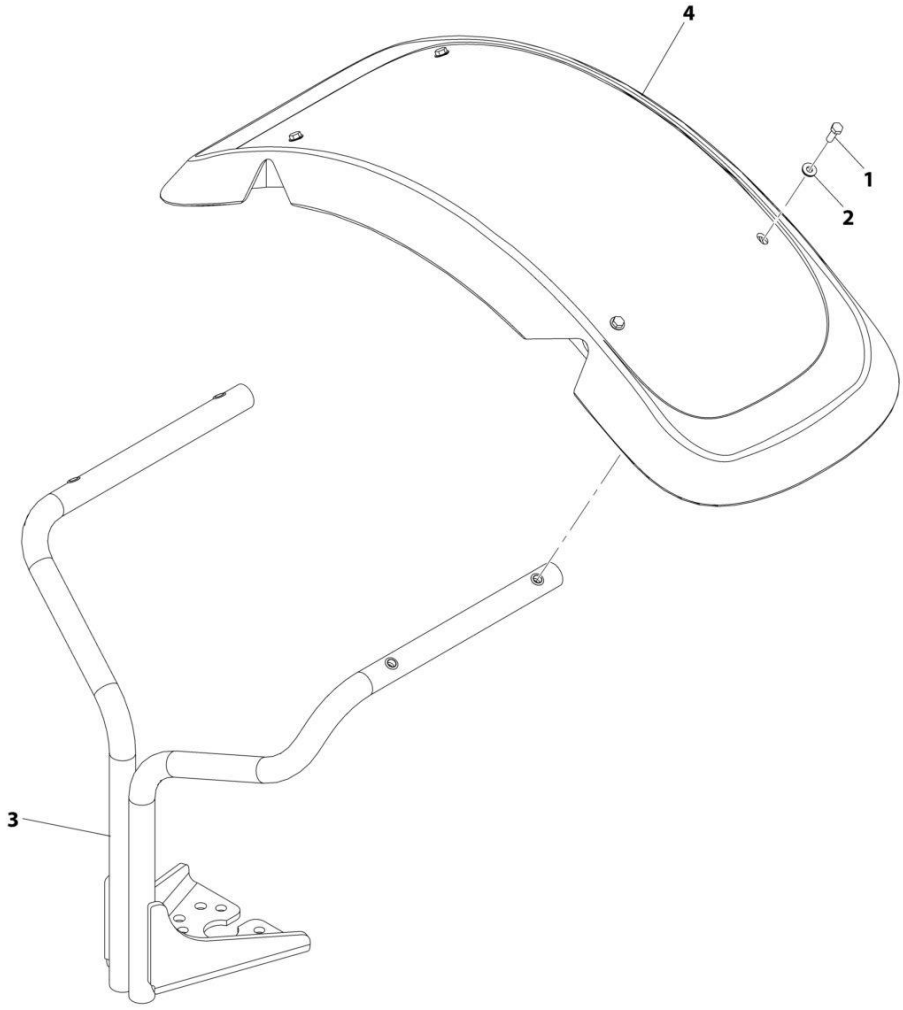


FIGURE 5-32. LH FENDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258118	Ref	LH Fender Assembly	B
1	0760812	4	Screw, M8X25	
2	1001202786	4	Washer	
3	1001258122	1	LH Bracket	
4	1001168264	1	Fender	

SECTION 6 - CAB

FIGURE 6-1. CAB MOUNTING

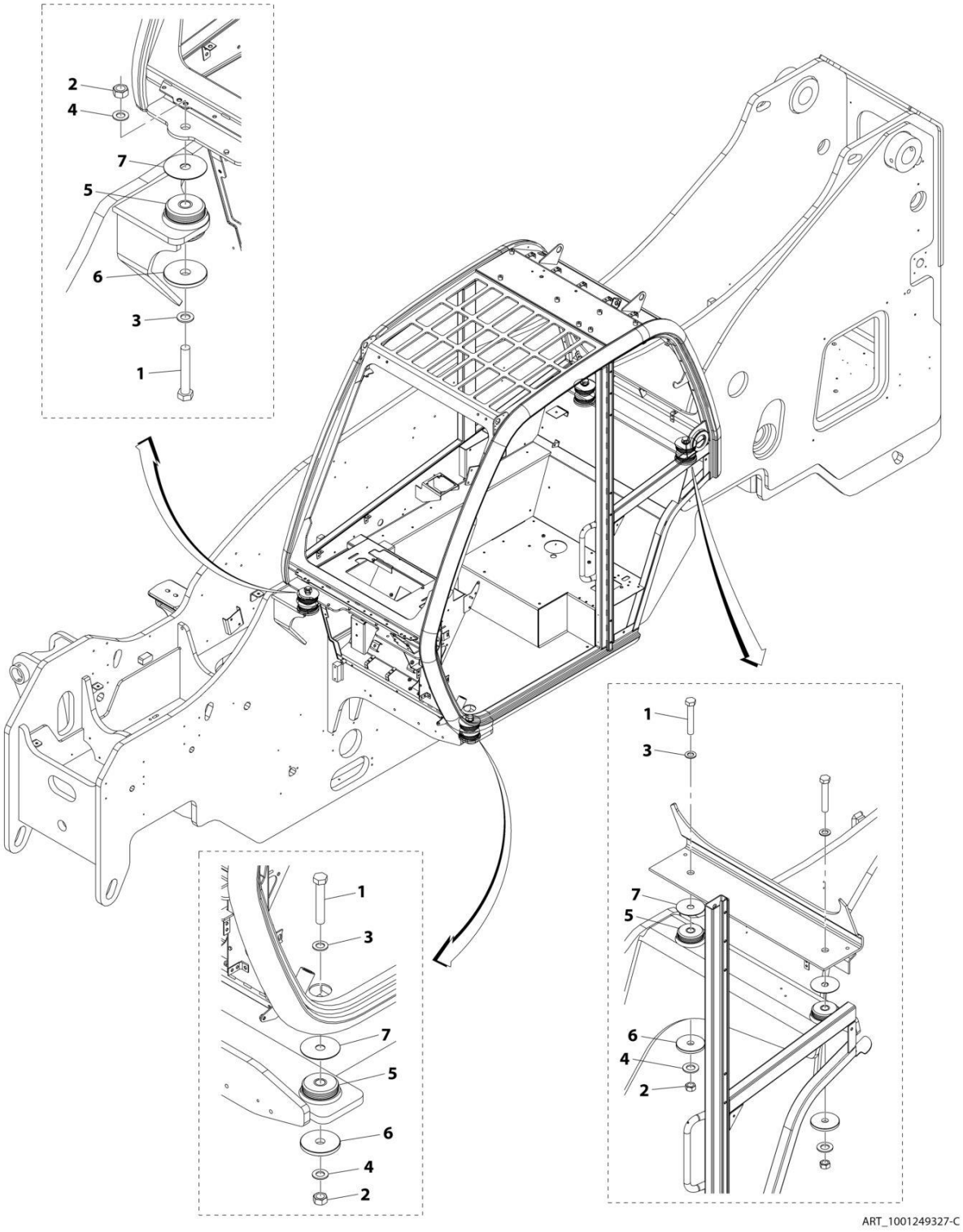


FIGURE 6-1. CAB MOUNTING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249327	Ref	CAB MOUNTING	C
1	0712029	4	Bolt M20 X 120 Class 10.9	
2	3332011	4	Nut M20	
3	4812500	4	Washer M20	
4	5242000	4	Washer M20	
5	1001205066	4	Mount, Cab Isolation	
6	1001207854	4	Washer, Cab Rebound	
7	1001253797	4	Washer, Cab Mount	

FIGURE 6-2. CAB COMPONENTS INSTALLATION

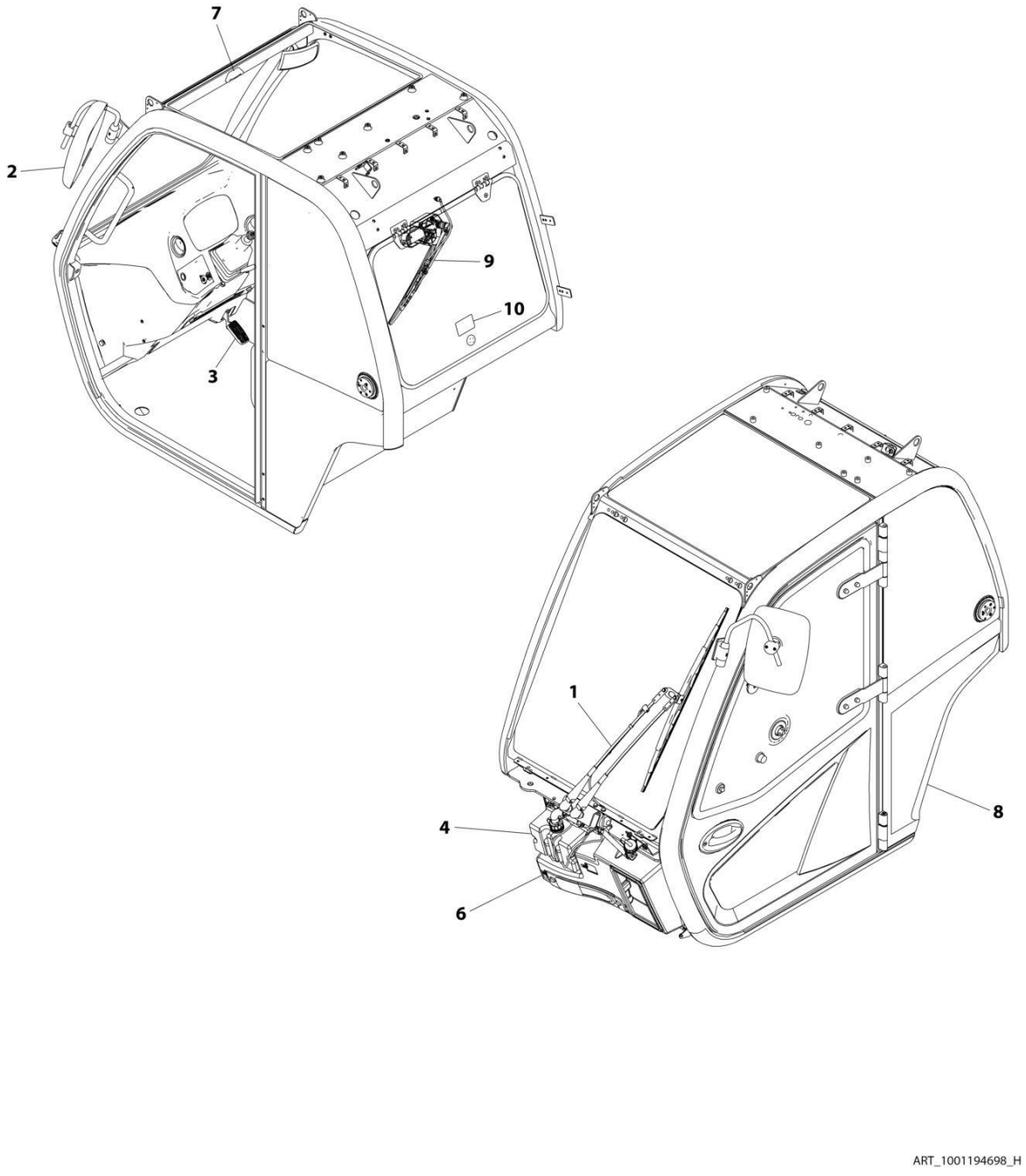


FIGURE 6-2. CAB COMPONENTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194698	Ref	CAB COMPONENTS INSTALLATION	H
1	1001155447	Ref	Installation, Front Wiper (See Separate Breakdown in this Section)	
2	1001160508	Ref	Installation, Basic Mirror (See Separate Breakdown in this Section)	
3	1001161499	Ref	Installation, Accelerator Pedal (See Separate Breakdown in CONTROLS Section)	
4	1001162789	Ref	Installation, Washer Tank (See Separate Breakdown in this Section)	
6	1001170366	Ref	Installation, Front Cover (See Separate Breakdown in this Section)	
7	1001172401	Ref	Installation, Level Indicator (See Separate Breakdown in this Section)	
8	1001194699	Ref	Installation, Cab (See Separate Breakdown in this Section)	
9	1001220329	Ref	Installation, Rear Wiper (See Separate Breakdown in this Section)	
10	1001204598	Ref	Installation, Rear Window Exit Decal (See Separate Breakdown in this Section)	

FIGURE 6-3. CAB INSTALLATION

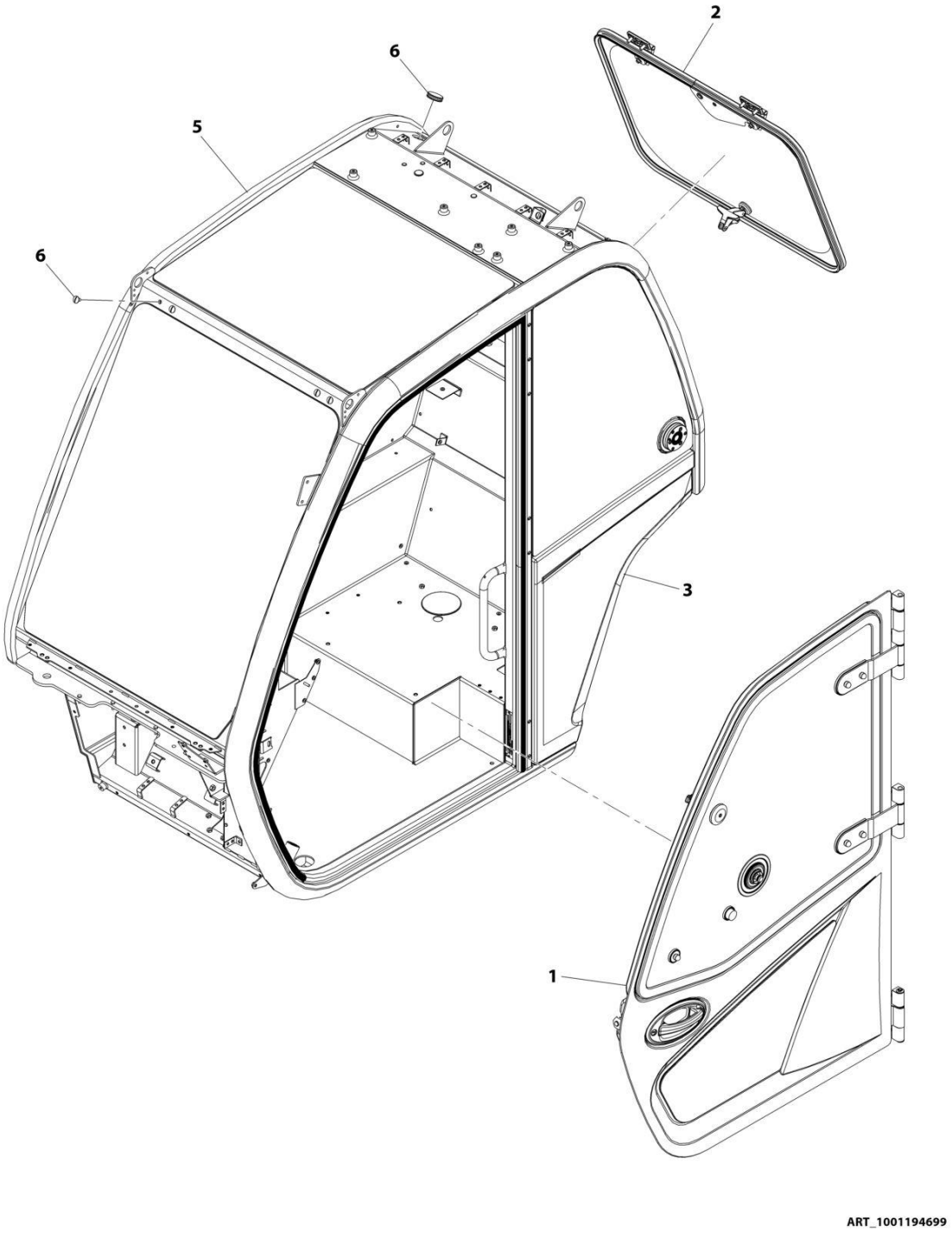


FIGURE 6-3. CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194699	Ref	Cab Installation	L
1	1001155228	1	Installation, Cab Door (See Separate Breakdown in this Section)	
2	1001220339	1	Installation, Rear Window (See Separate Breakdown in this Section)	
3	1001194700	1	Assembly, Cab Group (See Separate Breakdown in this Section)	
5	N.S.S.	1	Weldment, Cab	
6	1001195814	1	Group, Cab Plug (See Separate Breakdown in this Section)	

FIGURE 6-4. CAB ASSEMBLY

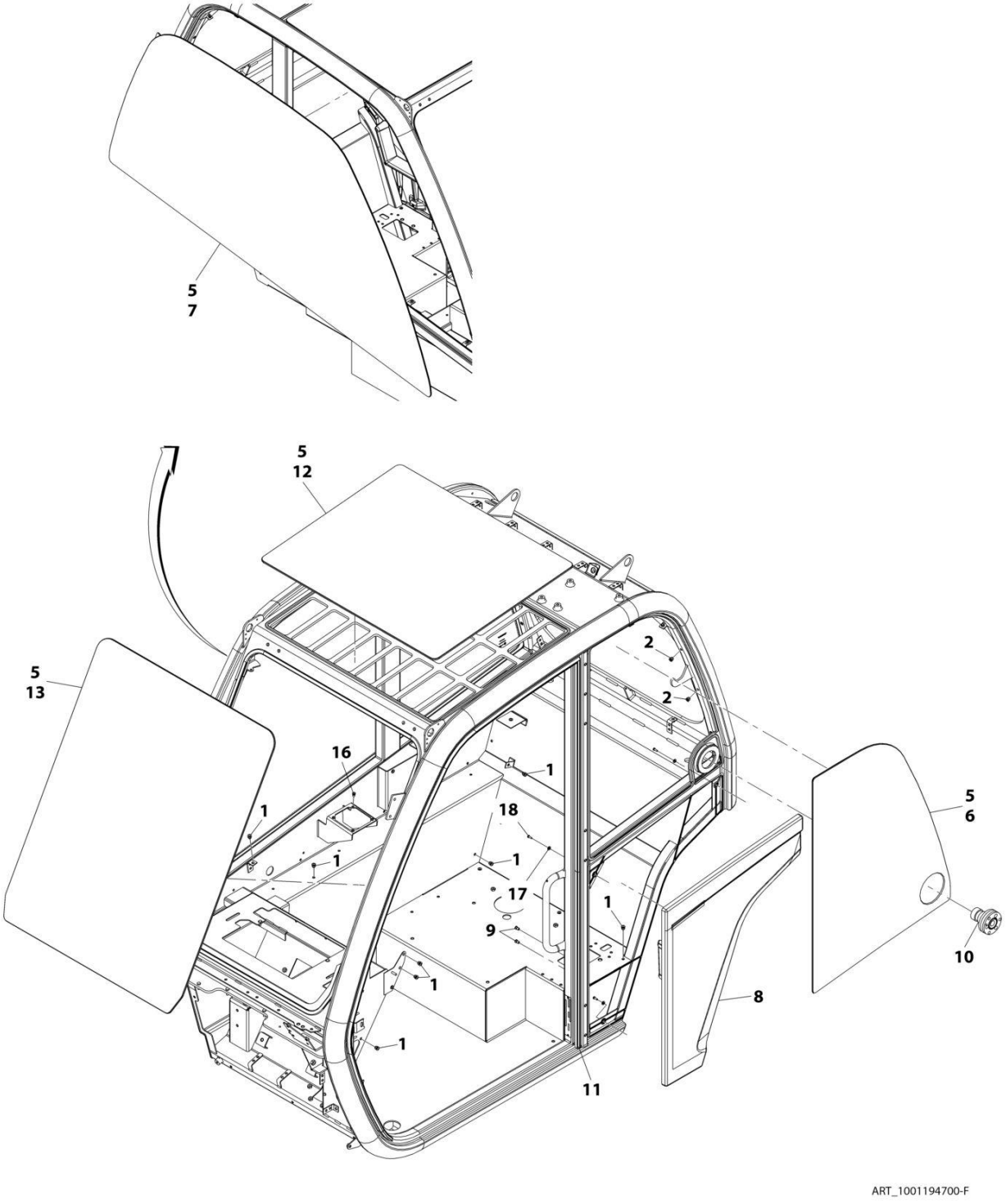


FIGURE 6-4. CAB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194700	Ref	Cab Assembly	G
1	2080086	25	Rivnut M6 x 1	
2	2080087	16	Rivnut M8 x 1.25	
5	1001111317	AR	Compound, Locking	
6	1001152915	1	Glass, LH Screen	
7	1001152947	1	Glass, RH Screen	
8	1001256073	1	Panel, Cab Quarter	
9	1001172193	2	Rivnut M5 x 0.8	
10	1001174320	1	Latch, Top Window	
11	1001227186	1	Seal, Cab Door	
12	1001178159	1	Glass, Roof Laminated	
13	1001178160	1	Glass, Front Laminated	
16	1001195878	4	Rivnut M5 x 0.8	
17	4811700	3	Washer M6	
18	4010608002	3	Screw	

FIGURE 6-5. DOOR INSTALLATION

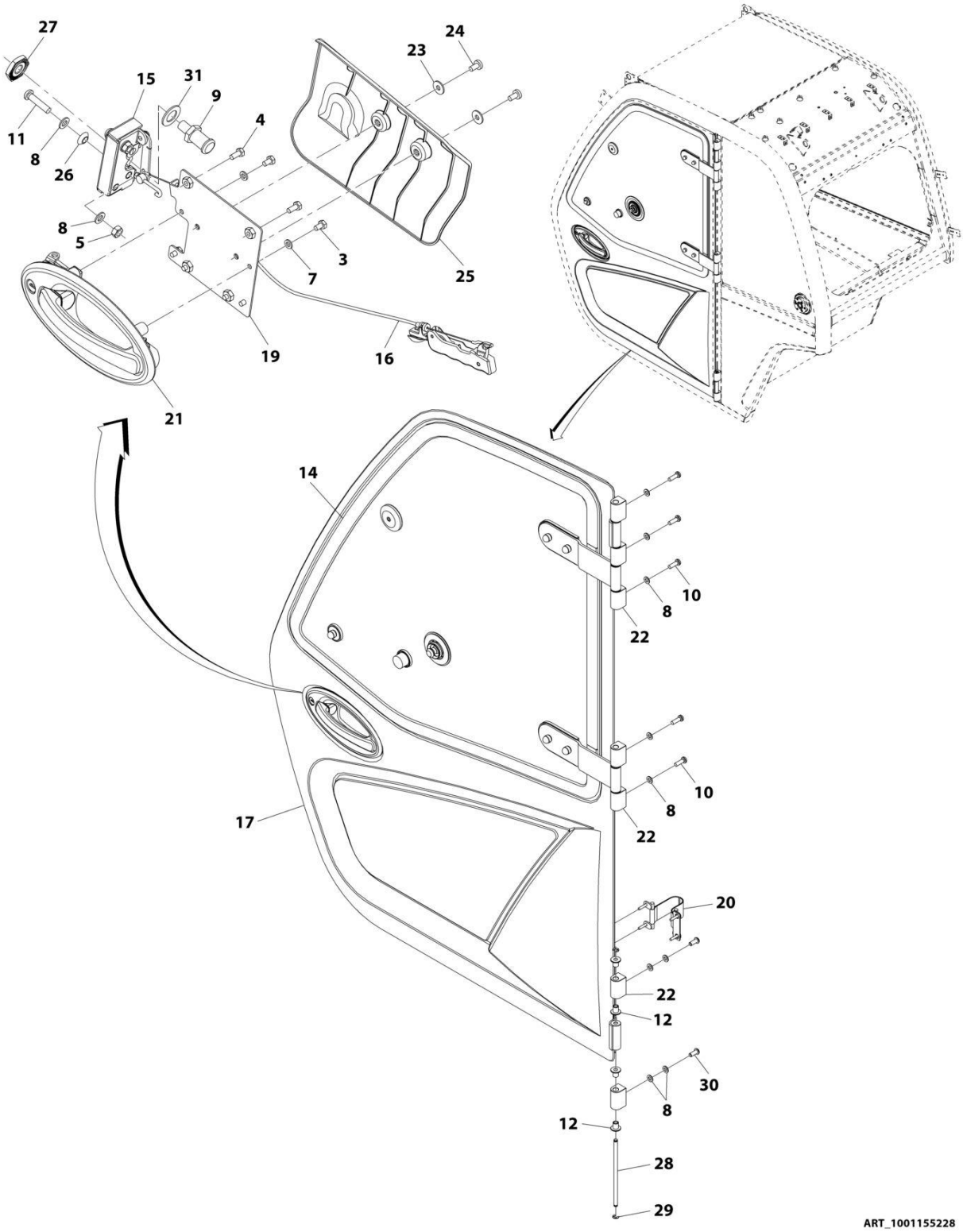


FIGURE 6-5. DOOR INSTALLATION

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 6-6. DOOR ASSEMBLY (AG)

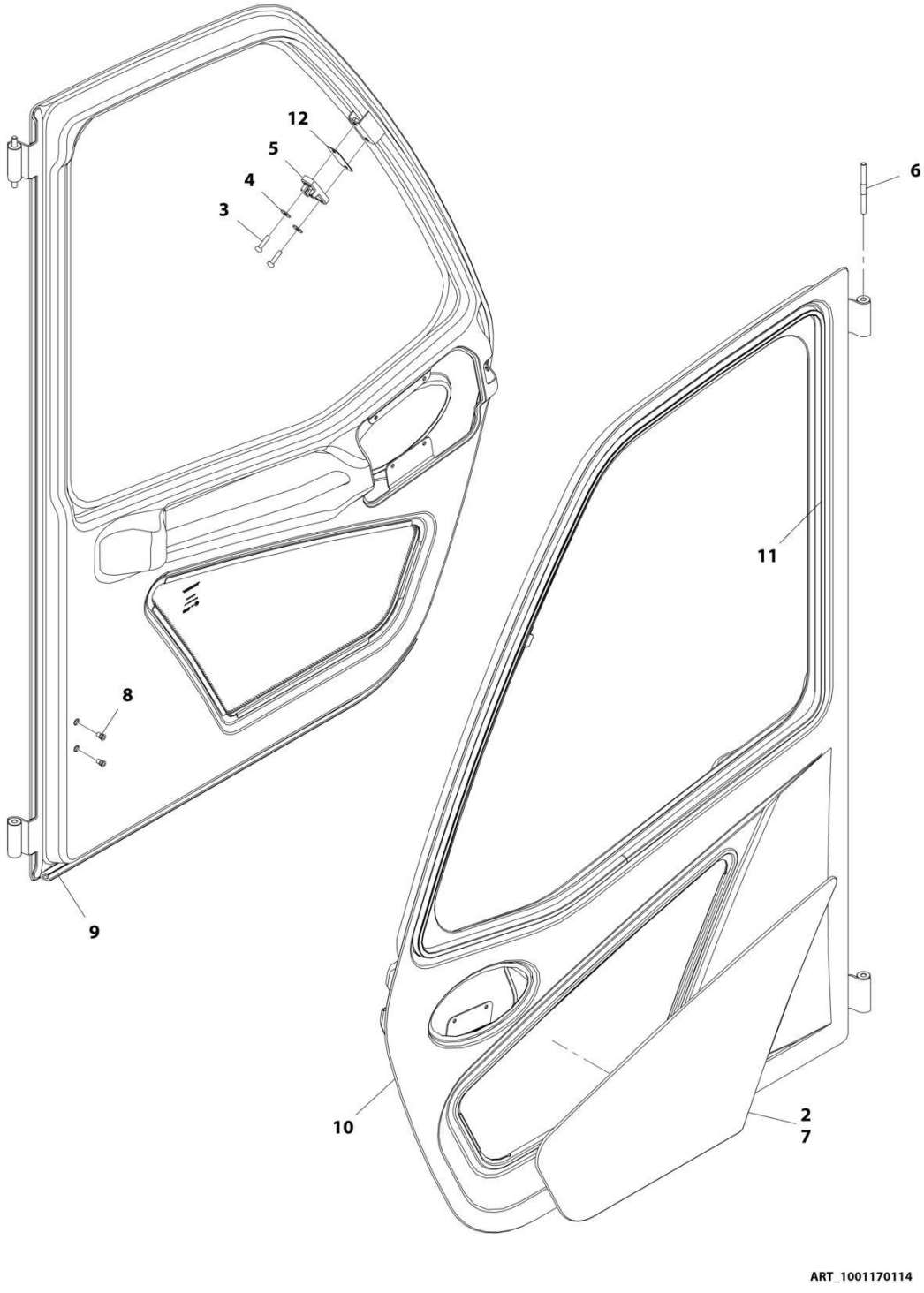


FIGURE 6-6. DOOR ASSEMBLY (AG)

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 6-7. CAB DOOR

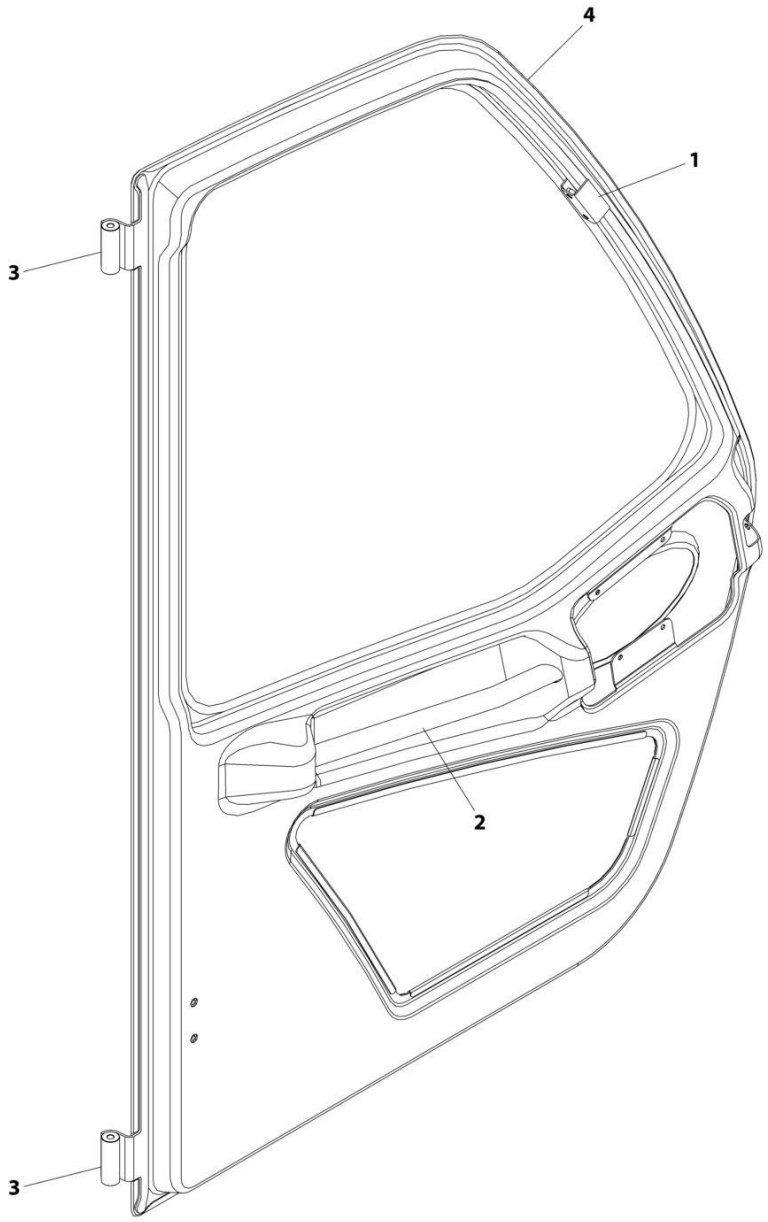


FIGURE 6-7. CAB DOOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170113J	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 6-8. DOOR UPPER GLASS ASSEMBLY

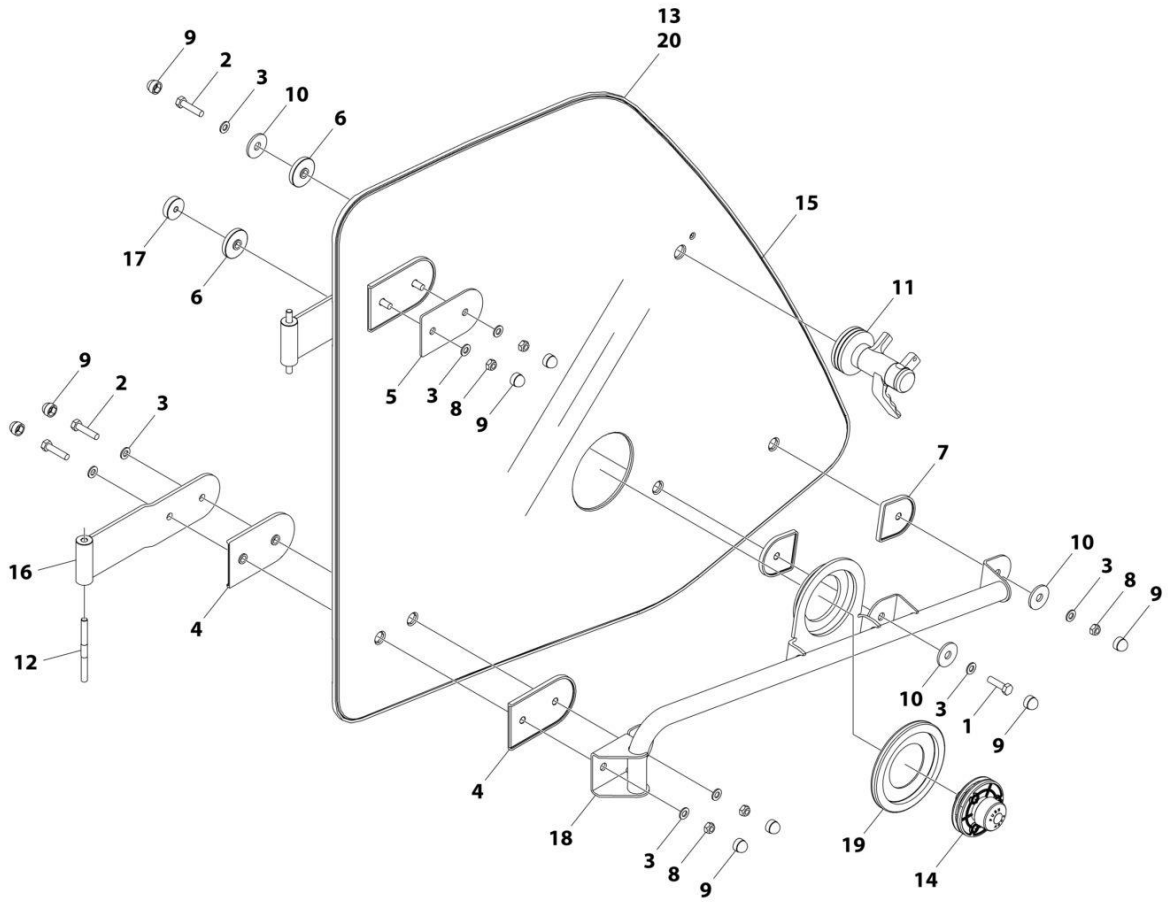


FIGURE 6-8. DOOR UPPER GLASS ASSEMBLY

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 6-9. CAB LATCH ASSEMBLY

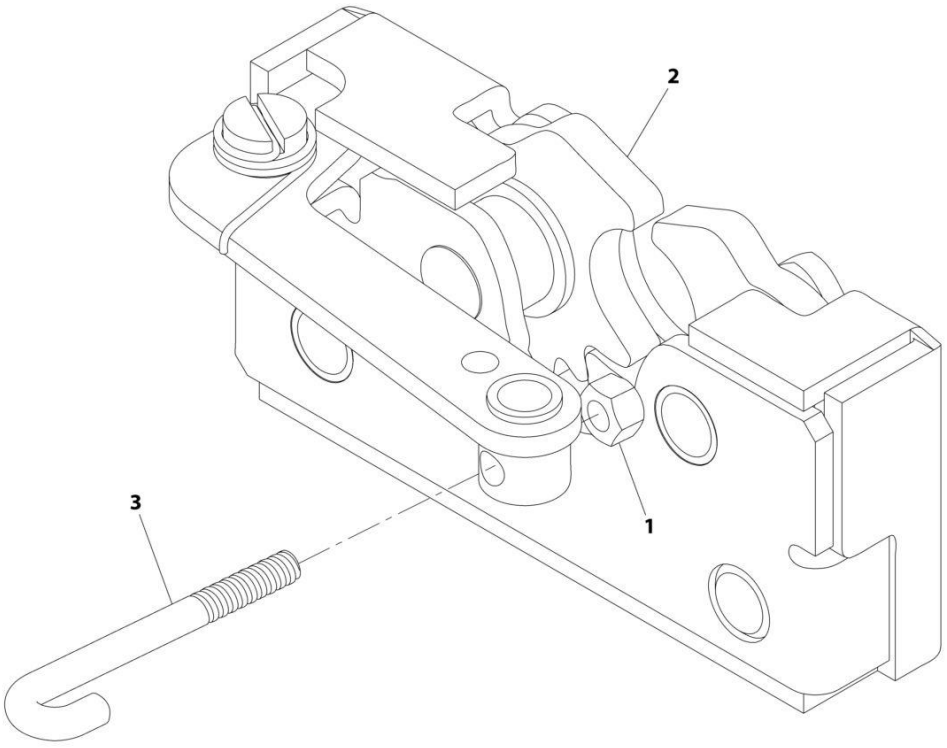


FIGURE 6-9. CAB LATCH ASSEMBLY

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

FIGURE 6-10. CAB DOOR TRIGGER ASSEMBLY

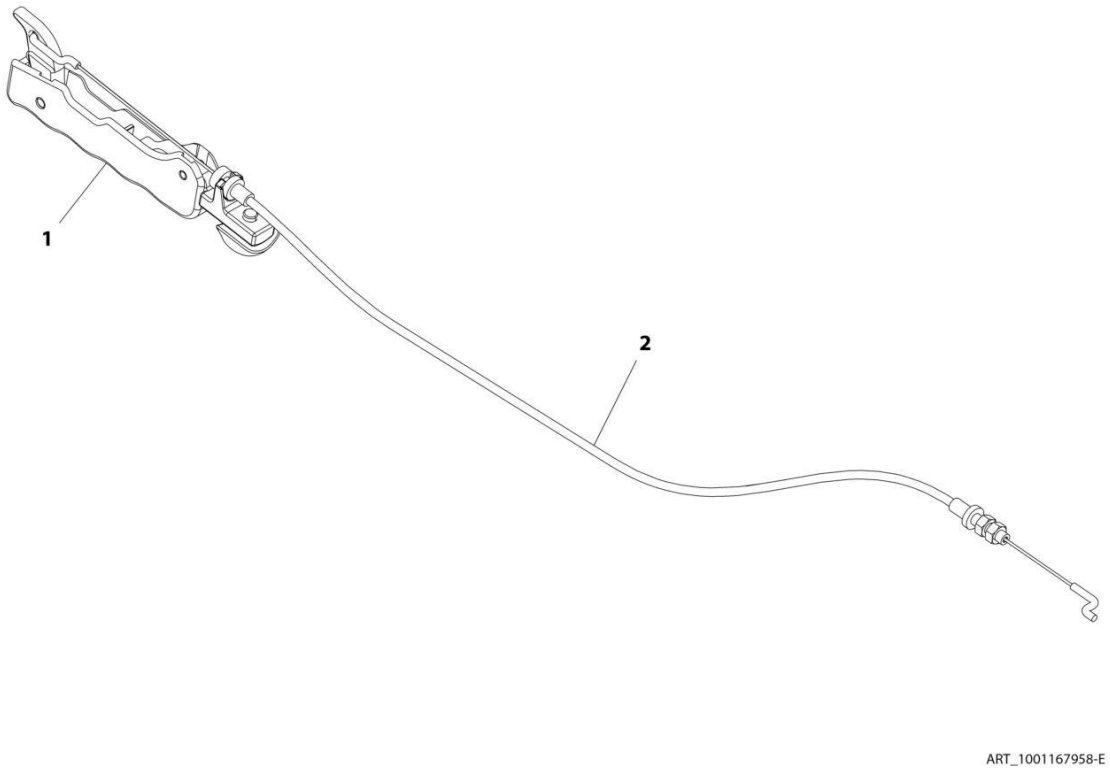


FIGURE 6-10. CAB DOOR TRIGGER ASSEMBLY

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 6-11. DOOR STRAP INSTALLATION

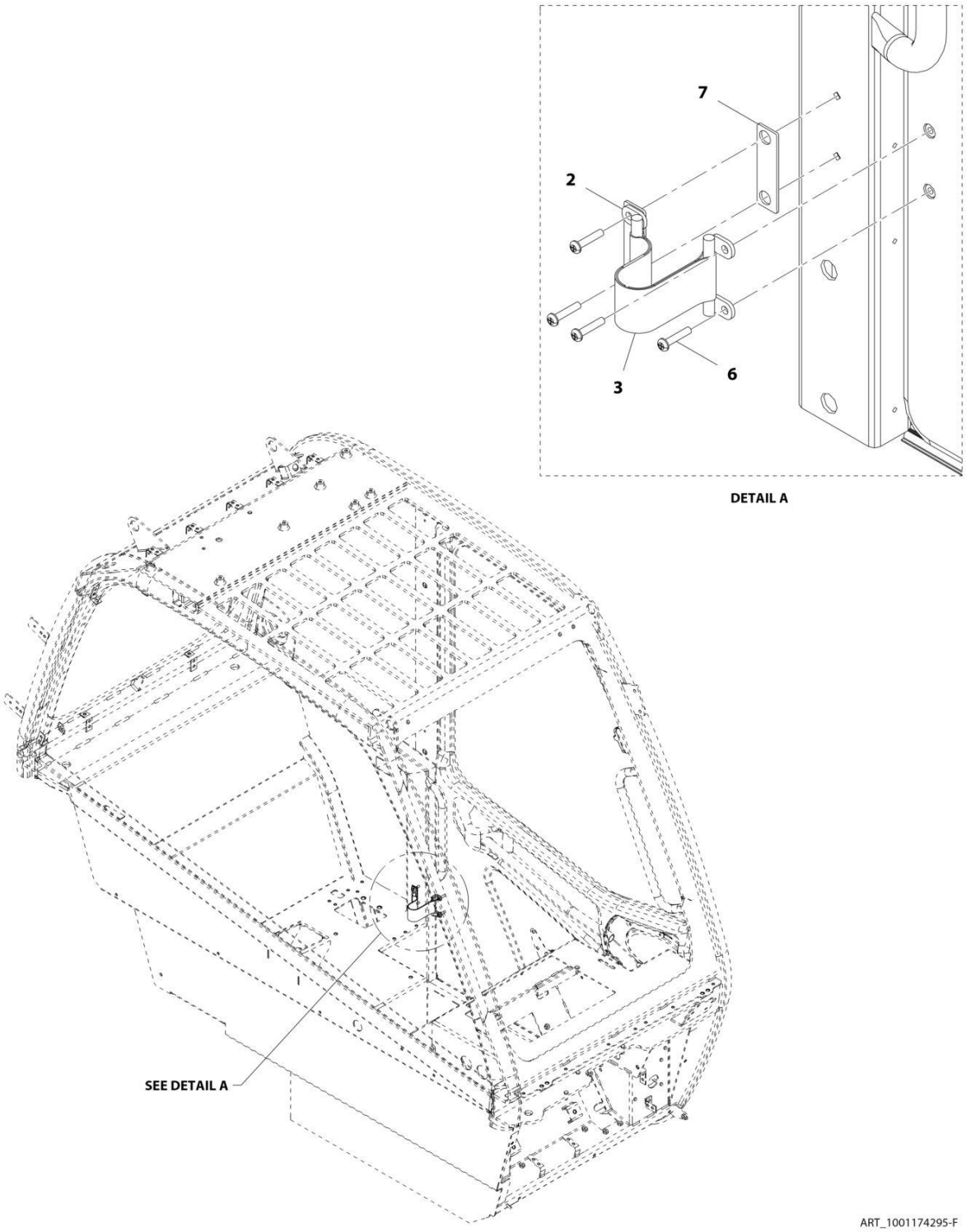


FIGURE 6-11. DOOR STRAP INSTALLATION

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 6-12. REAR WINDOW INSTALLATION

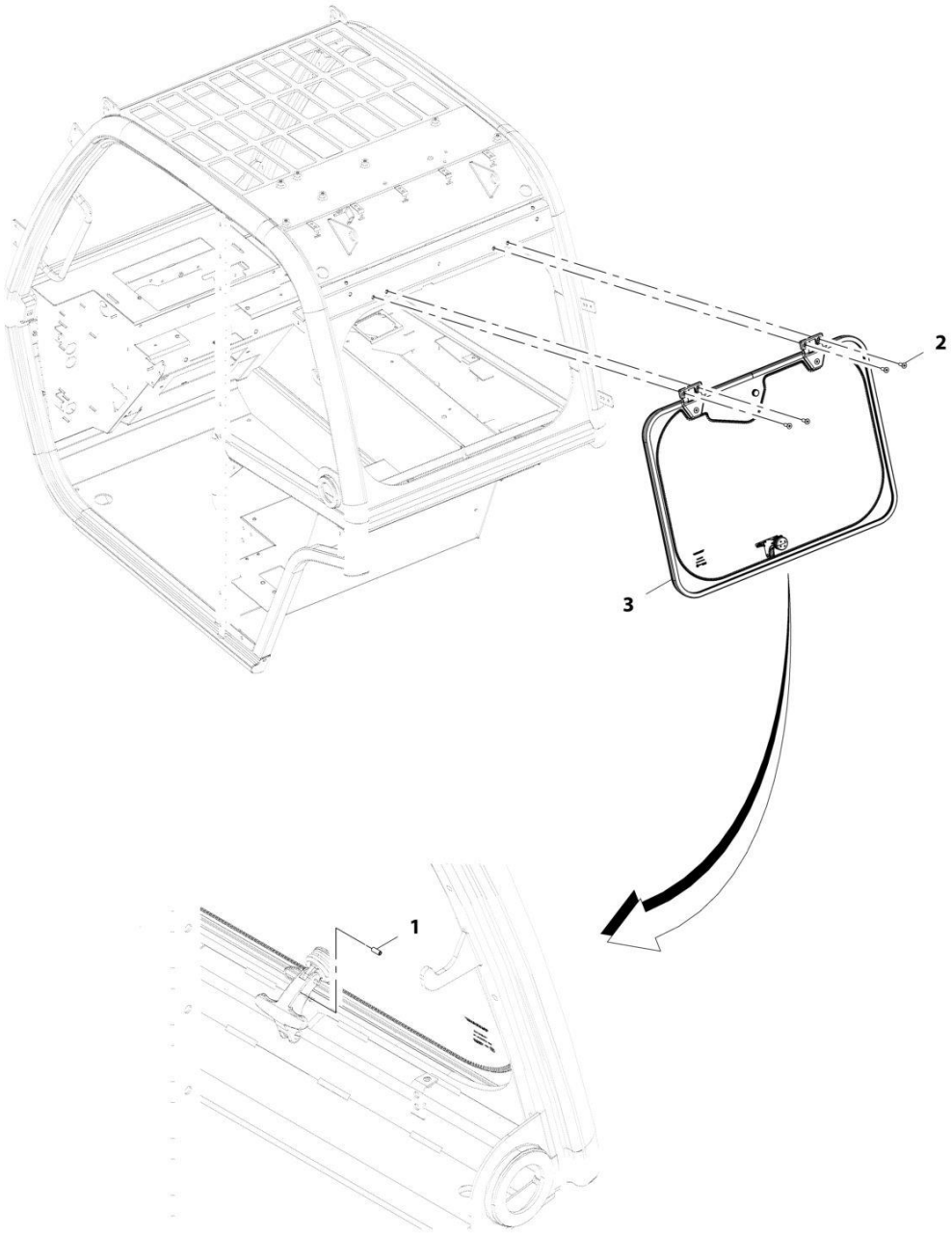


FIGURE 6-12. REAR WINDOW INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220339	Ref	Rear Window Installation	A
1	1001003043	1	Pin, Spring	
2	1001097586	4	Screw, M8X1.25	
3	1001220338	1	Assembly, Rear Window (See Separate Breakdown in this Section)	

FIGURE 6-13. REAR WINDOW GROUP

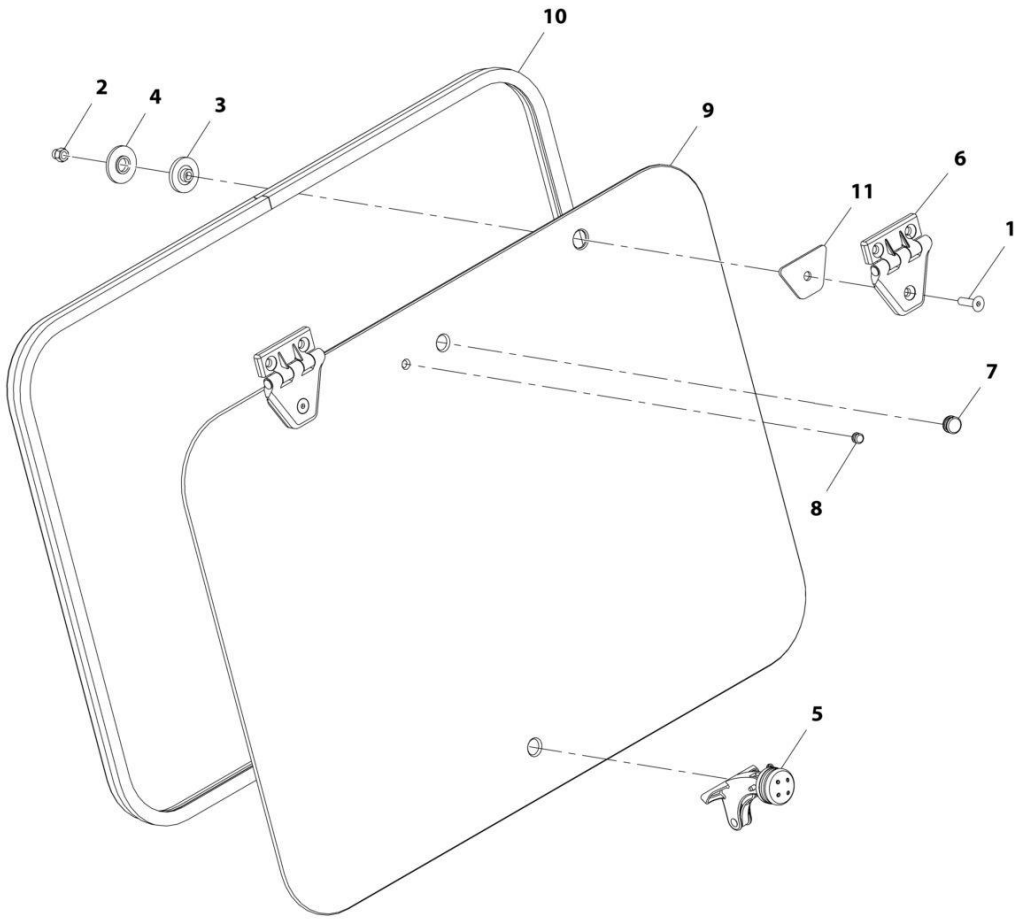


FIGURE 6-13. REAR WINDOW GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220338	Ref	Rear Window Group	A
1	2080078	2	Fastener, M8X30	
2	3290806	2	Nut, M8X1.25 Grade 8	
3	8000759	2	Spacer	
4	8004398	2	Spacer	
5	1001005368	1	Latch, Window	
6	1001139568	2	Hinge	
7	1001171182	1	Grommet	
8	1001171183	1	Grommet	
9	1001178680	1	Glass, Rear Window	
10	1001178681	1	Seal	
11	1001181411	2	Gasket, Rear Window Hinge	

FIGURE 6-14. REAR WINDOW EXIT DECAL INSTALLATION

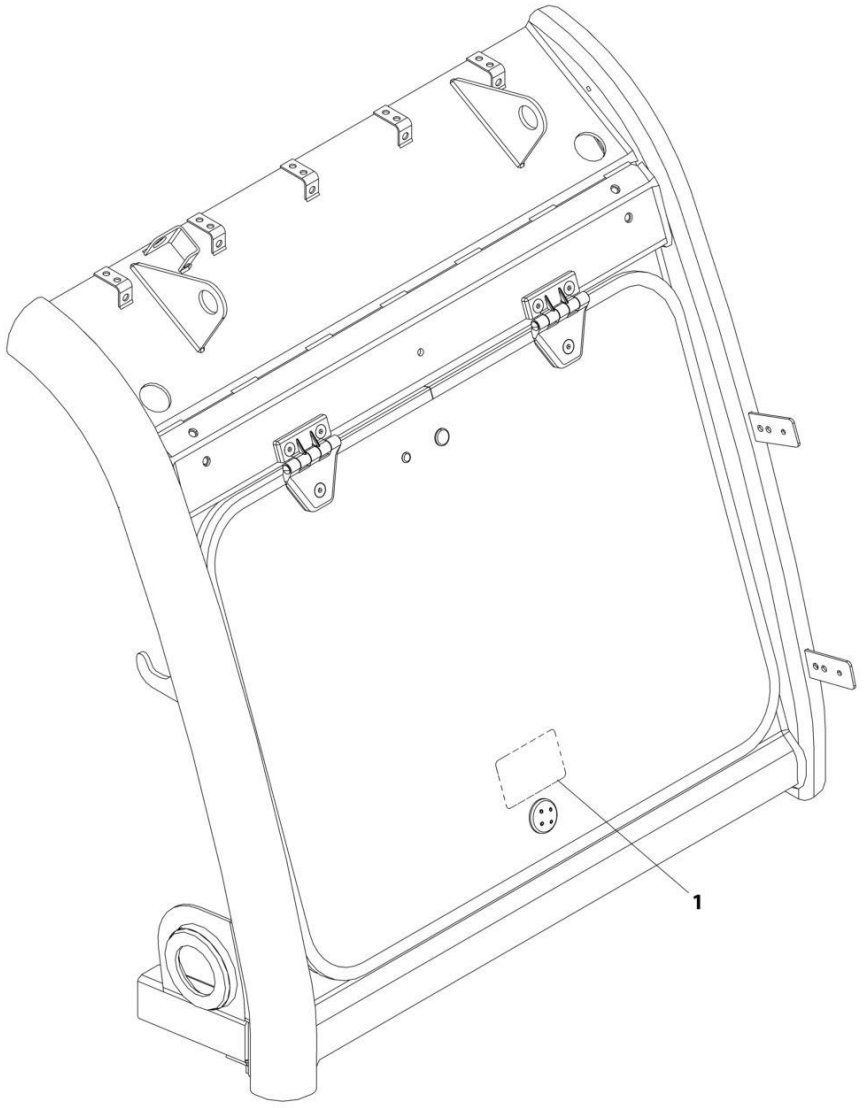


FIGURE 6-14. REAR WINDOW EXIT DECAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204598	Ref	Rear Window Exit Decal Installation	B
1	8005870	1	Decal, Emergency Exit	

FIGURE 6-15. CAB PLUG GROUP

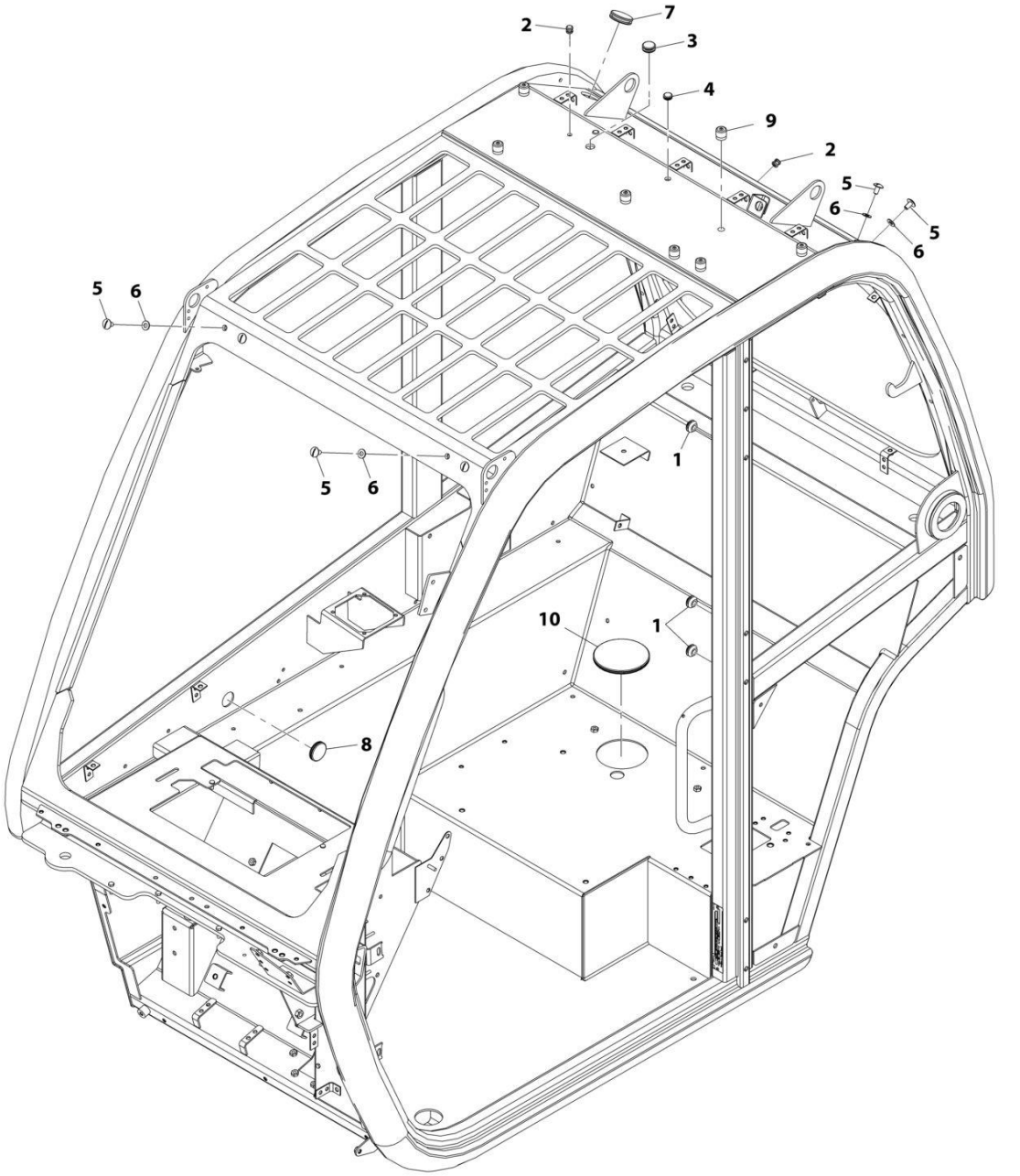


FIGURE 6-15. CAB PLUG GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195814	Ref	Cab Plug Group	C
1	1001143200	7	Plug	
2	1001176272	3	Plug	
3	1001176273	1	Plug	
4	1001176626	1	Plug	
5	1001181920	8	Screw, Nylon M8X16	
6	1001181921	8	Washer, Rubber M8	
7	1001182123	2	Plug	
8	1001182139	1	Plug	
9	1001219220	7	Plug	
10	1001209899	1	Plug	

FIGURE 6-16. BASIC MIRROR INSTALLATION

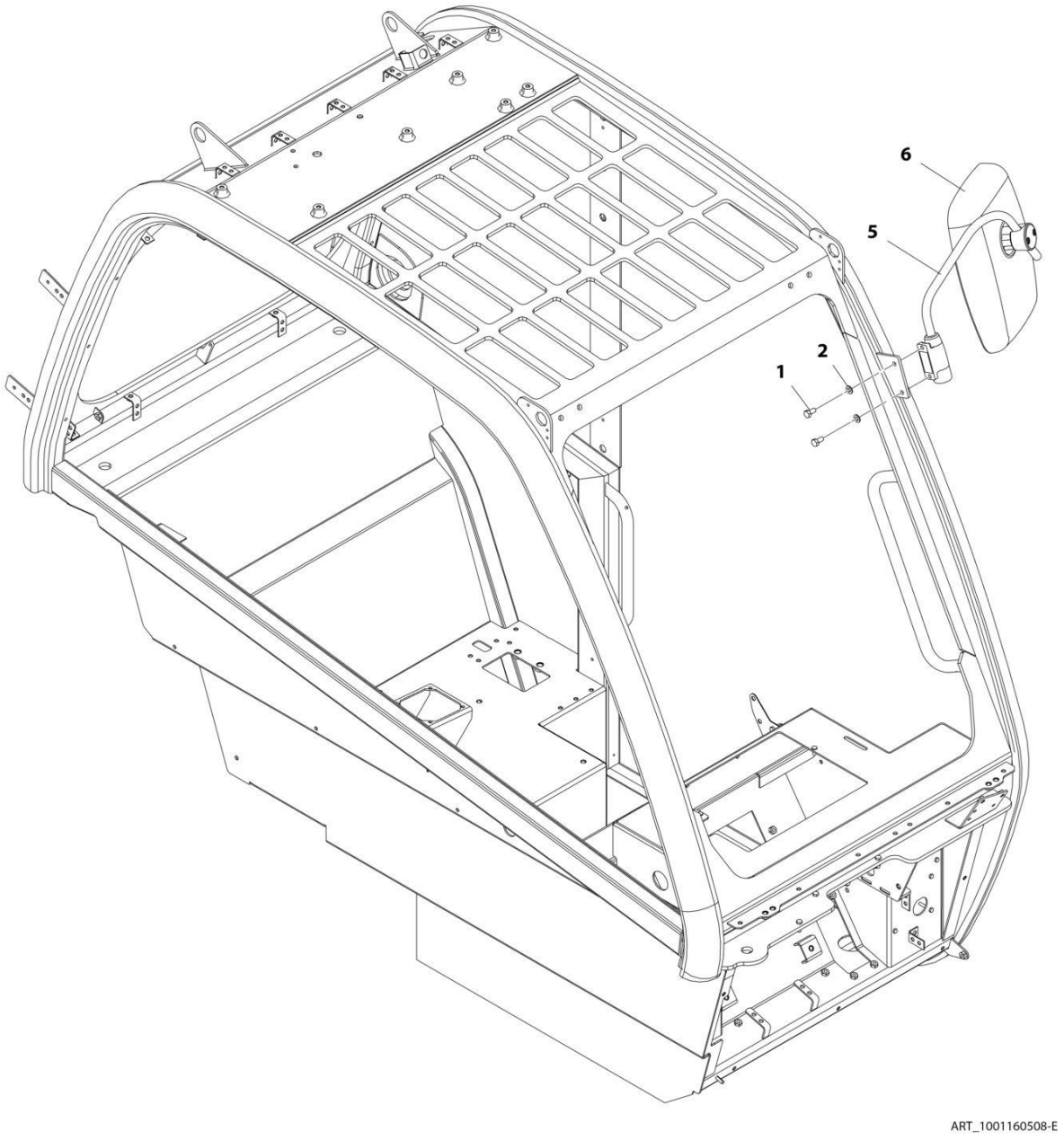


FIGURE 6-16. BASIC MIRROR INSTALLATION

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

FIGURE 6-17. FRONT WIPER INSTALLATION

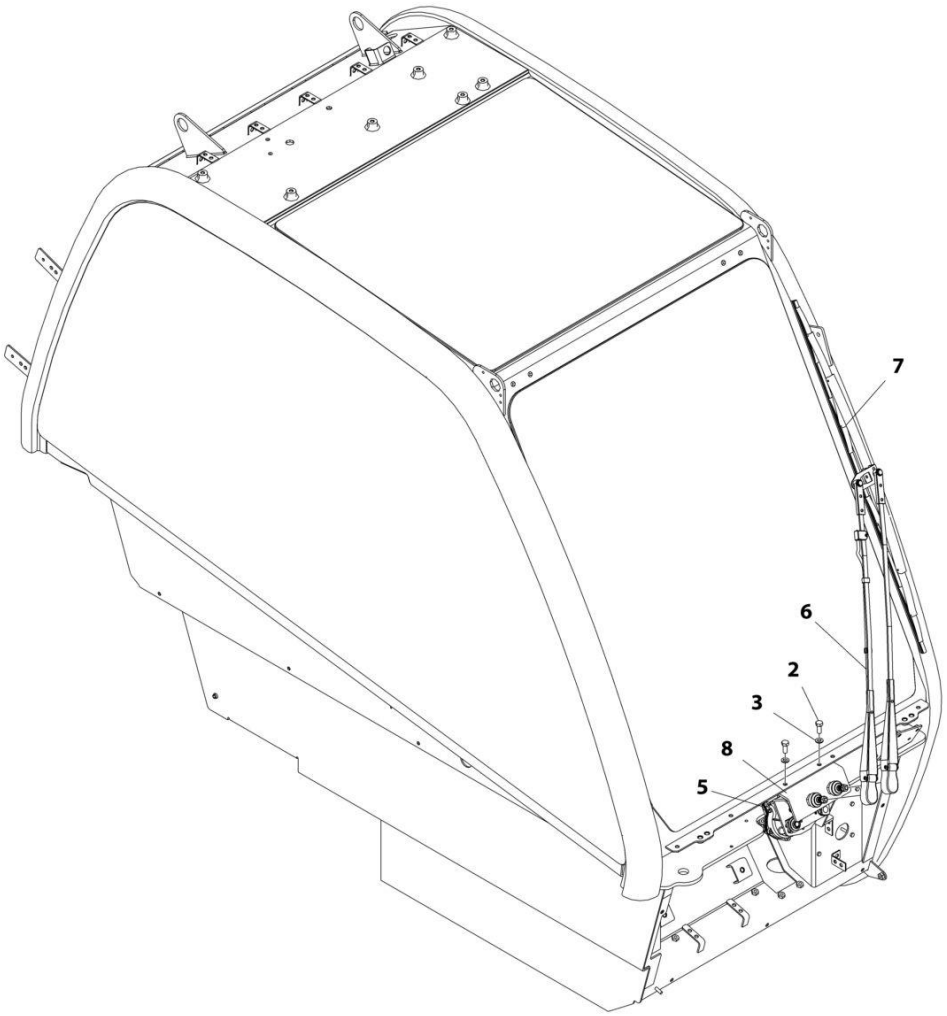


FIGURE 6-17. FRONT WIPER INSTALLATION

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. WASHER TANK INSTALLATION

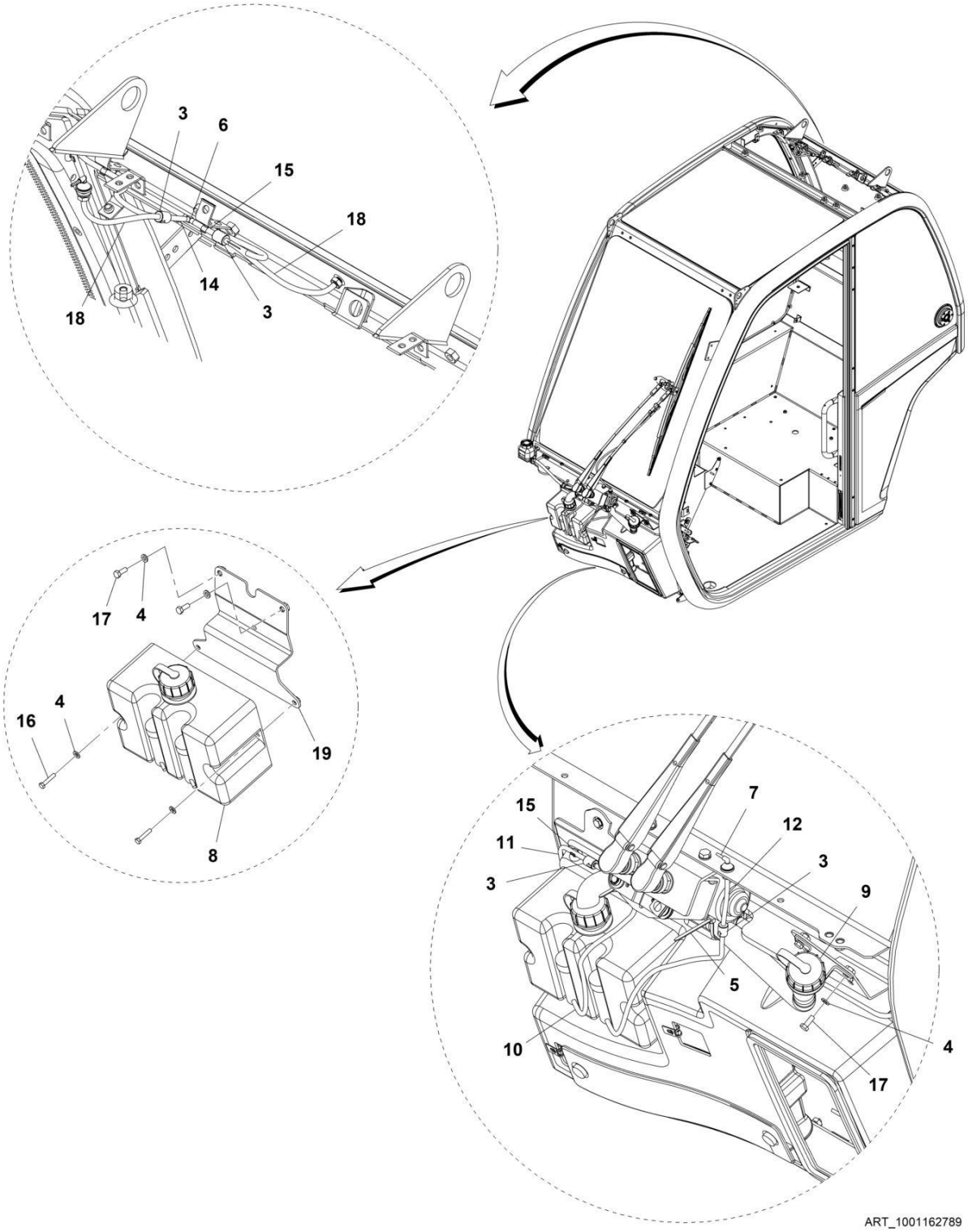
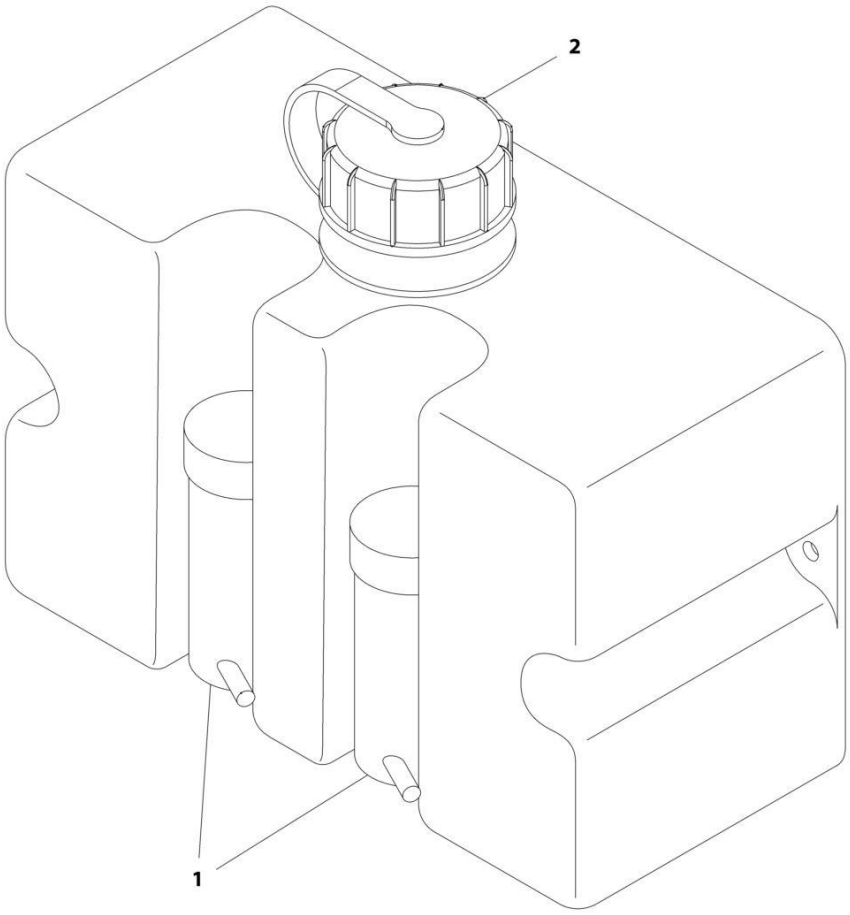


FIGURE 6-18. WASHER TANK INSTALLATION

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

FIGURE 6-19. WASHER BOTTLE



ART_1001165269-B

FIGURE 6-19. WASHER BOTTLE

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

FIGURE 6-20. FRONT COVER INSTALLATION

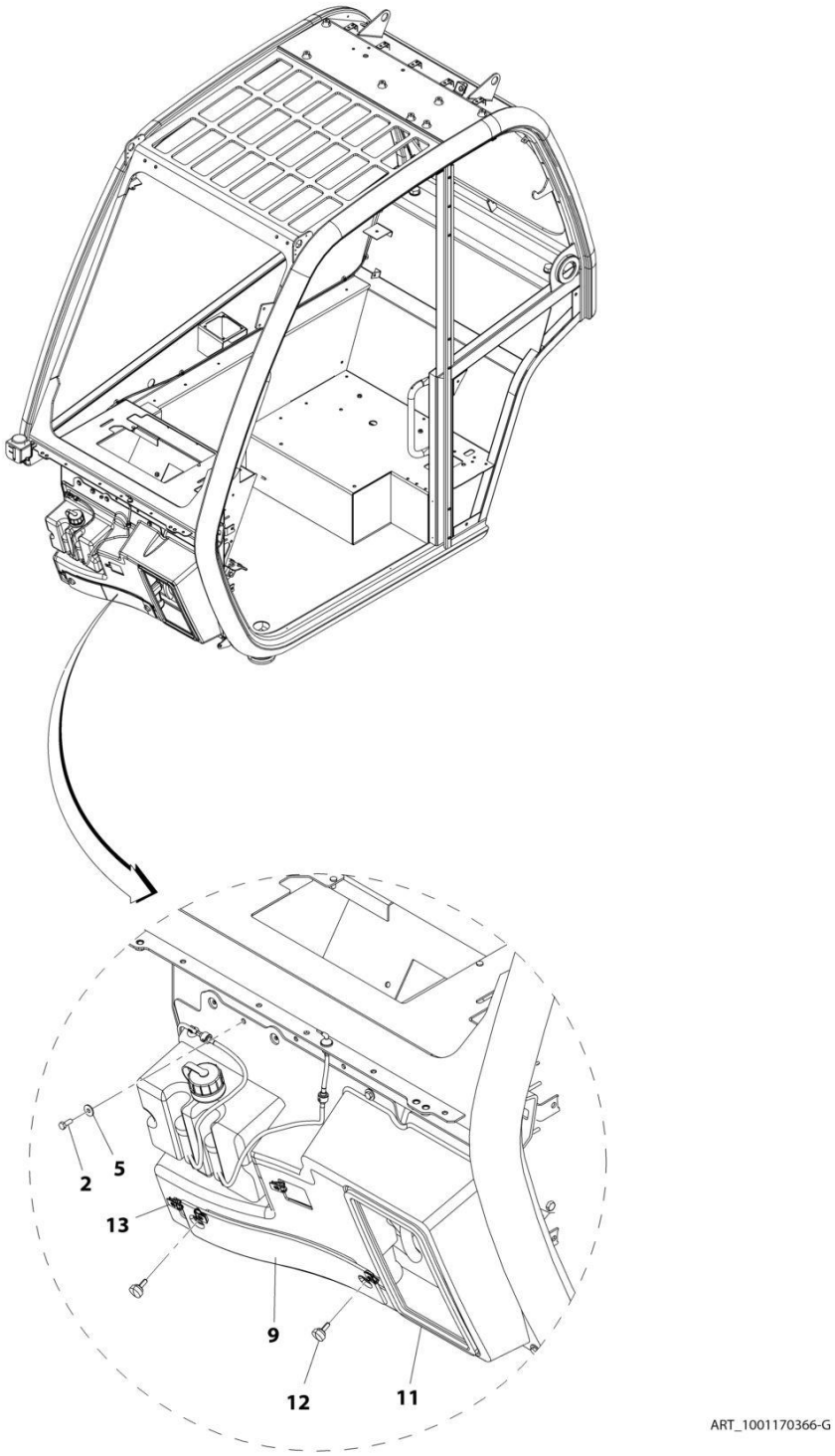


FIGURE 6-20. FRONT COVER INSTALLATION

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 6-21. FIRE EXTINGUISHER INSTALLATION

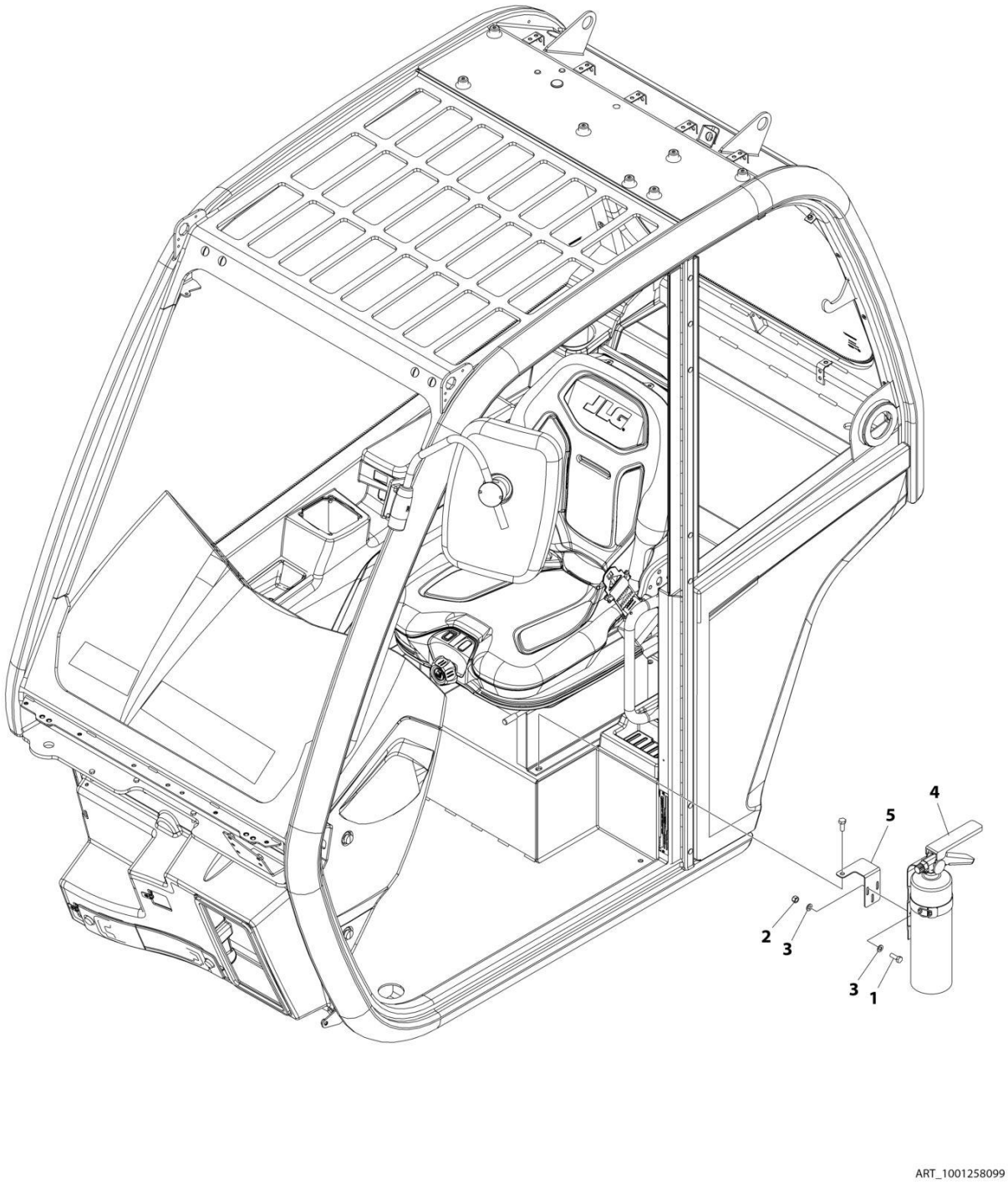


FIGURE 6-21. FIRE EXTINGUISHER INSTALLATION

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

FIGURE 6-22. FRONT DUCT COVER

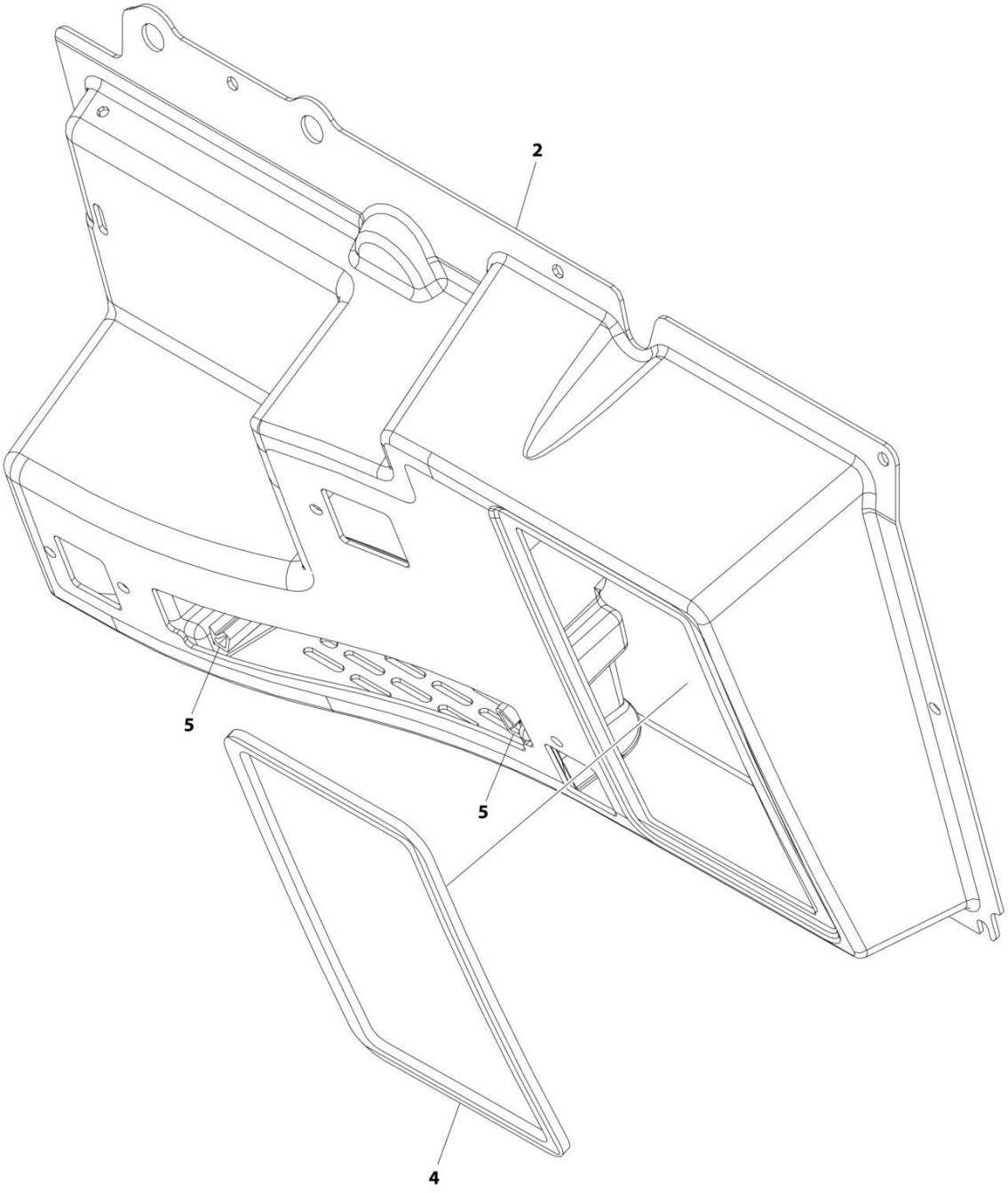
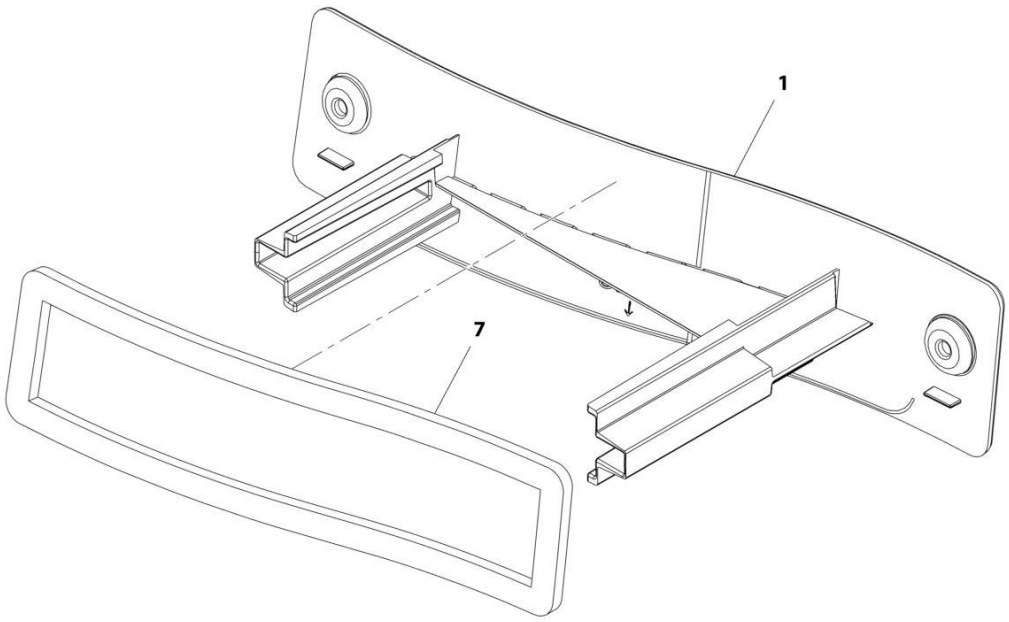


FIGURE 6-22. FRONT DUCT COVER

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 6-23. FILTER TRAY PANEL



ART_1001175471-D

FIGURE 6-23. 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 6-24. LEVEL INDICATOR INSTALLATION

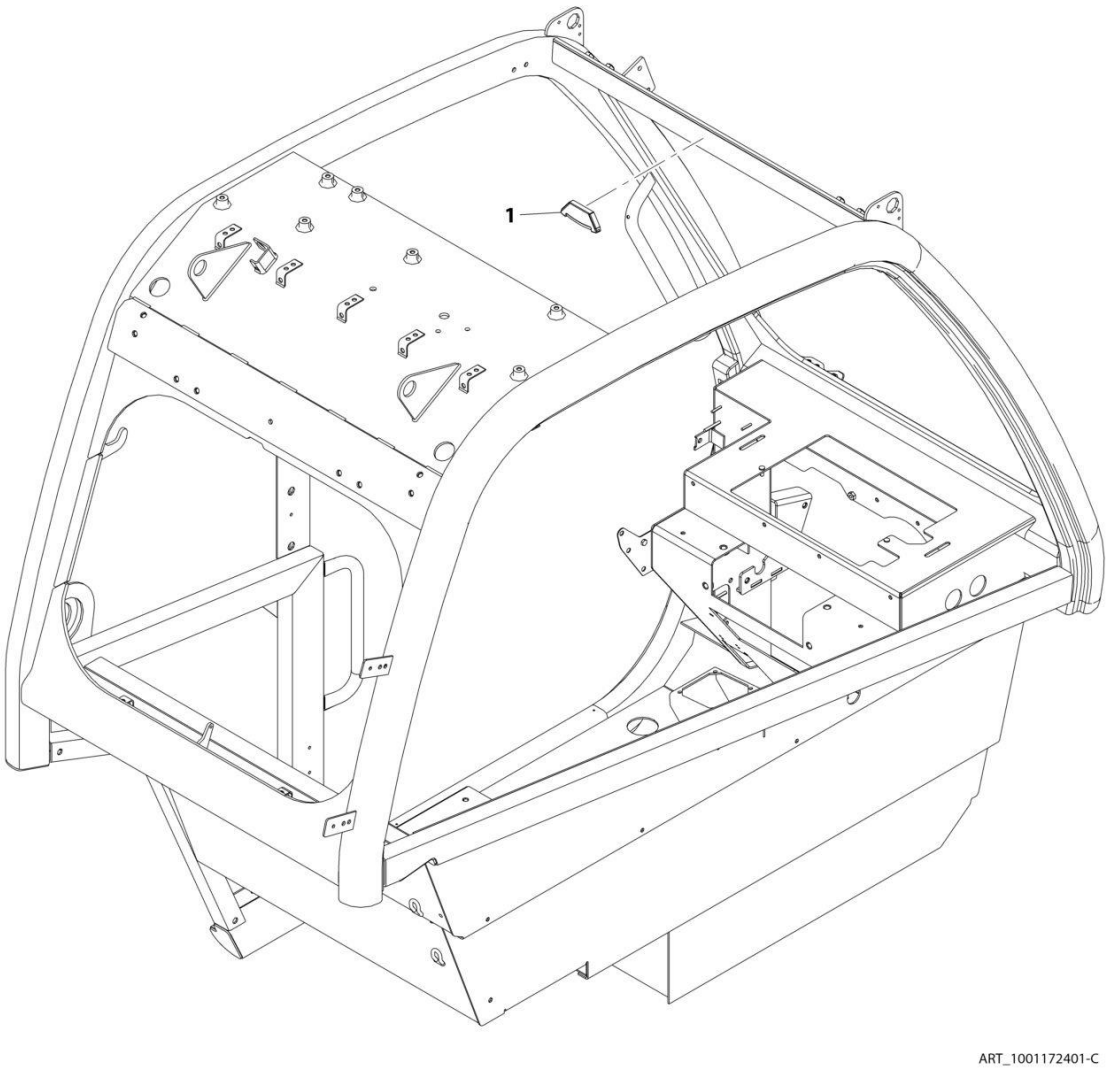


FIGURE 6-24. LEVEL INDICATOR INSTALLATION

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

FIGURE 6-25. CAB STORAGE TRAY INSTALLATION

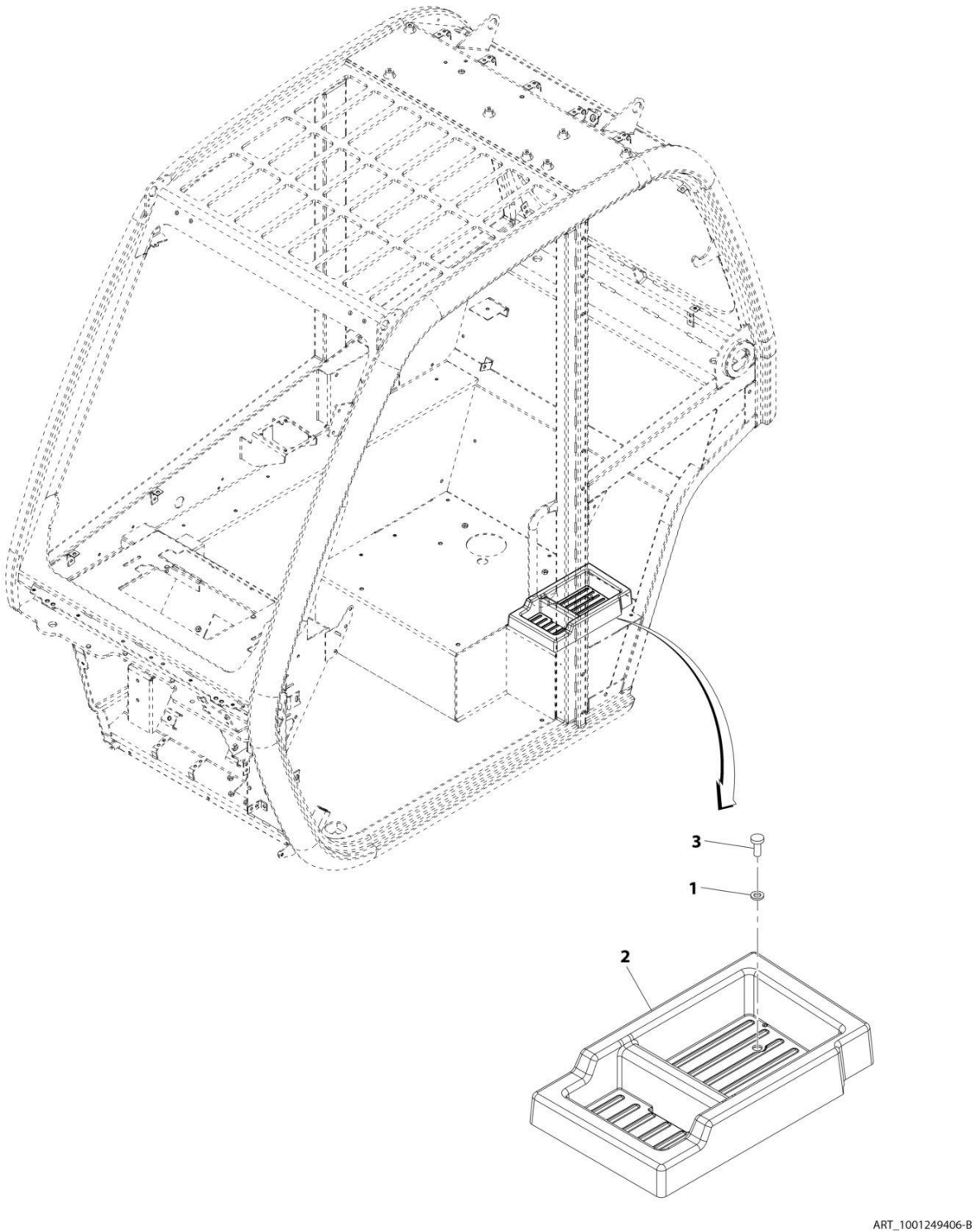


FIGURE 6-25. CAB STORAGE TRAY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249406	Ref	Cab Storage Tray Installation	B
1	4811700	1	Washer, M6	
2	1001170515	1	Insert, Storage Tray	
3	4010608002	1	Screw, Posi-Drive, M6X16	

FIGURE 6-26. GRAB HANDLE INSTALLATION

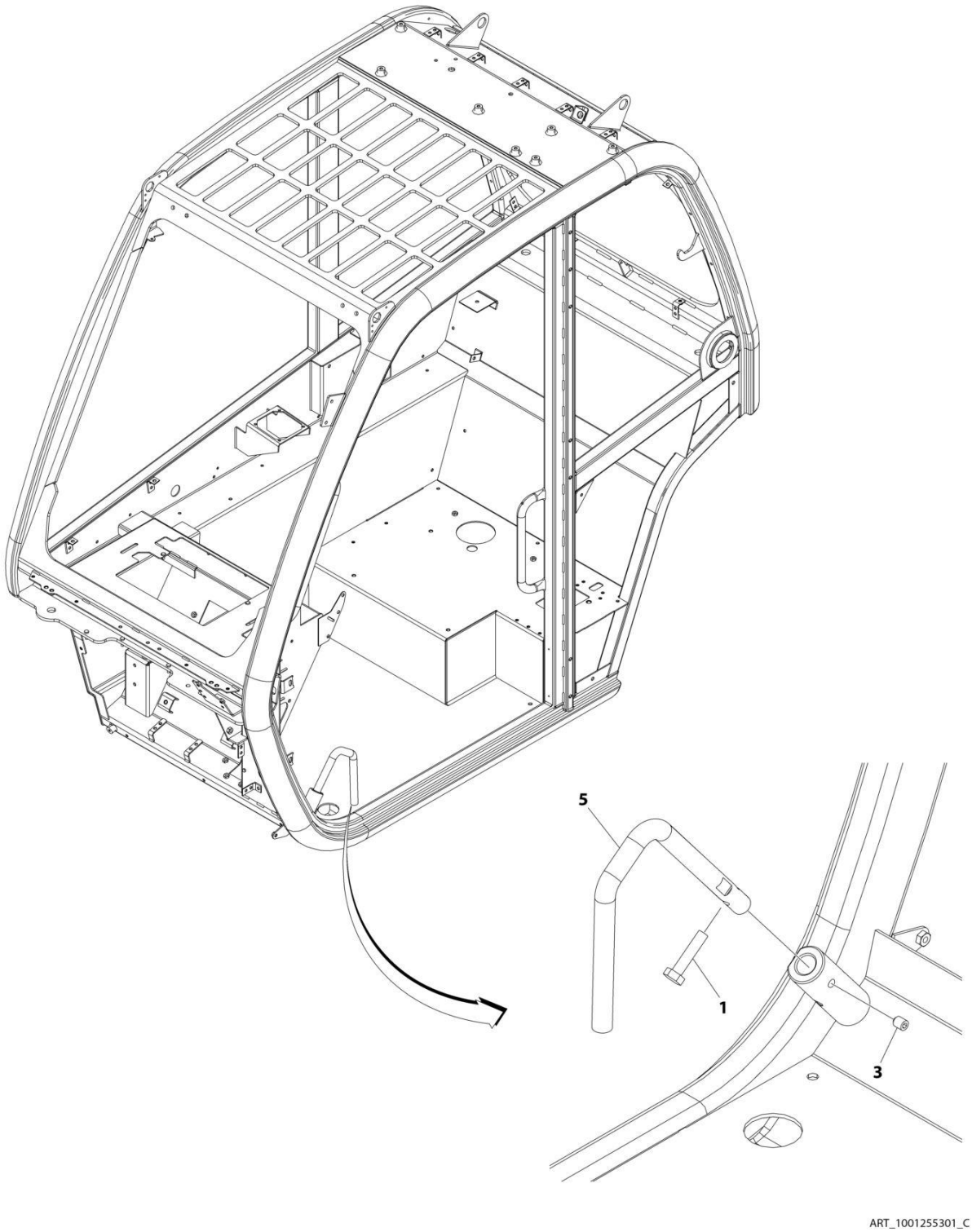
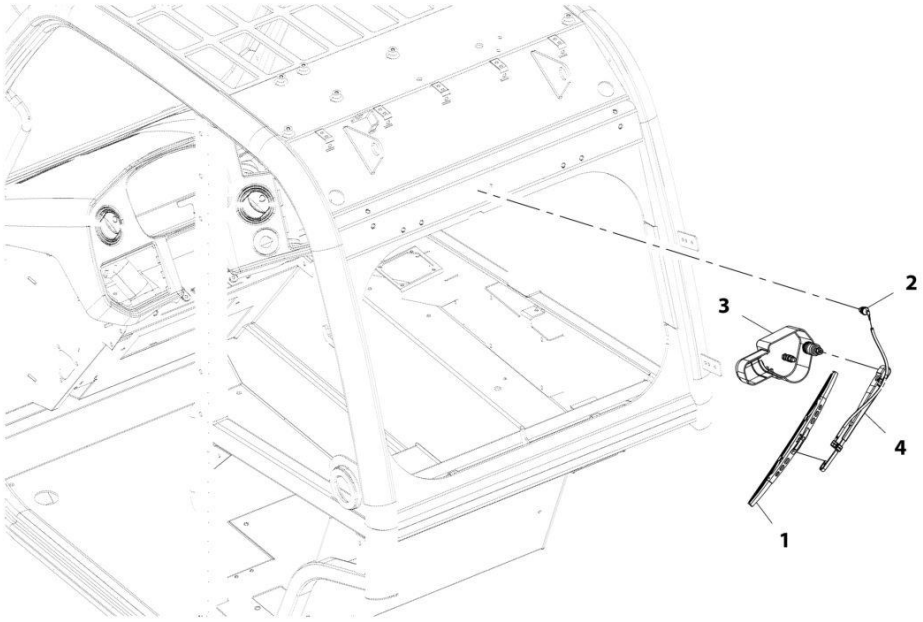


FIGURE 6-26. GRAB HANDLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255301	Ref	Grab Handle Installation	C
1	0761015001	1	Bolt, M10X35	
3	4092006	1	Bolt, M10X12	
5	1001247335	1	Handle	

FIGURE 6-27. REAR WIPER INSTALLATION



ART_1001220329-A

FIGURE 6-27. REAR WIPER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220329	Ref	Rear Wiper Installation	A
1	4807718	1	Wiper Blade, Oslv Italia	
2	1001090343	1	Connector	
3	1001139552	1	Motor, Wiper, Rear Window	
4	1001141312	1	Blade, Arm, Rear Window	

FIGURE 6-28. MULTIFUNCTION DISPLAY INSTALLATION

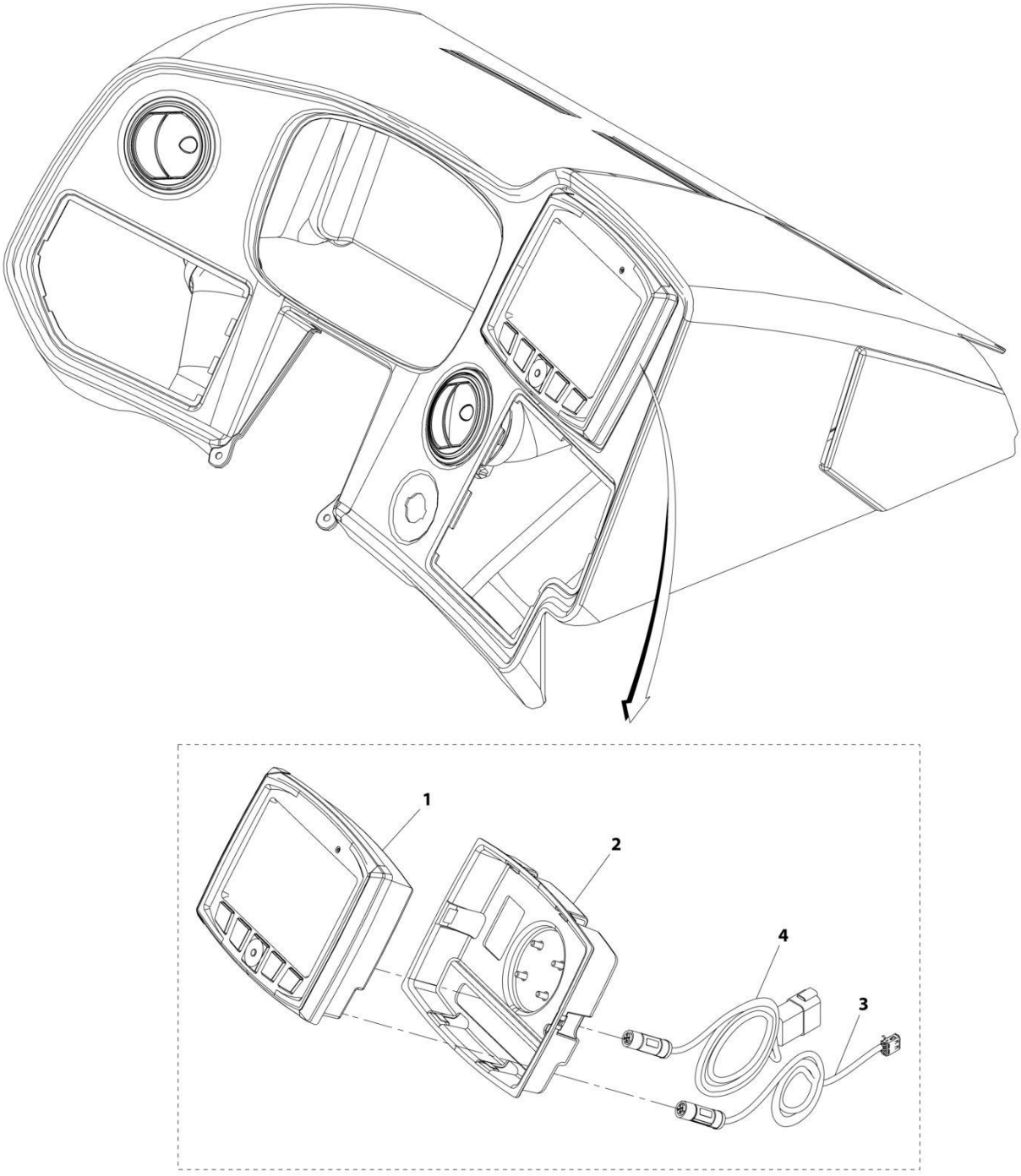


FIGURE 6-28. MULTIFUNCTION DISPLAY INSTALLATION

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

FIGURE 6-29. SEAT INSTALLATION (Prior to SN 0160116807)

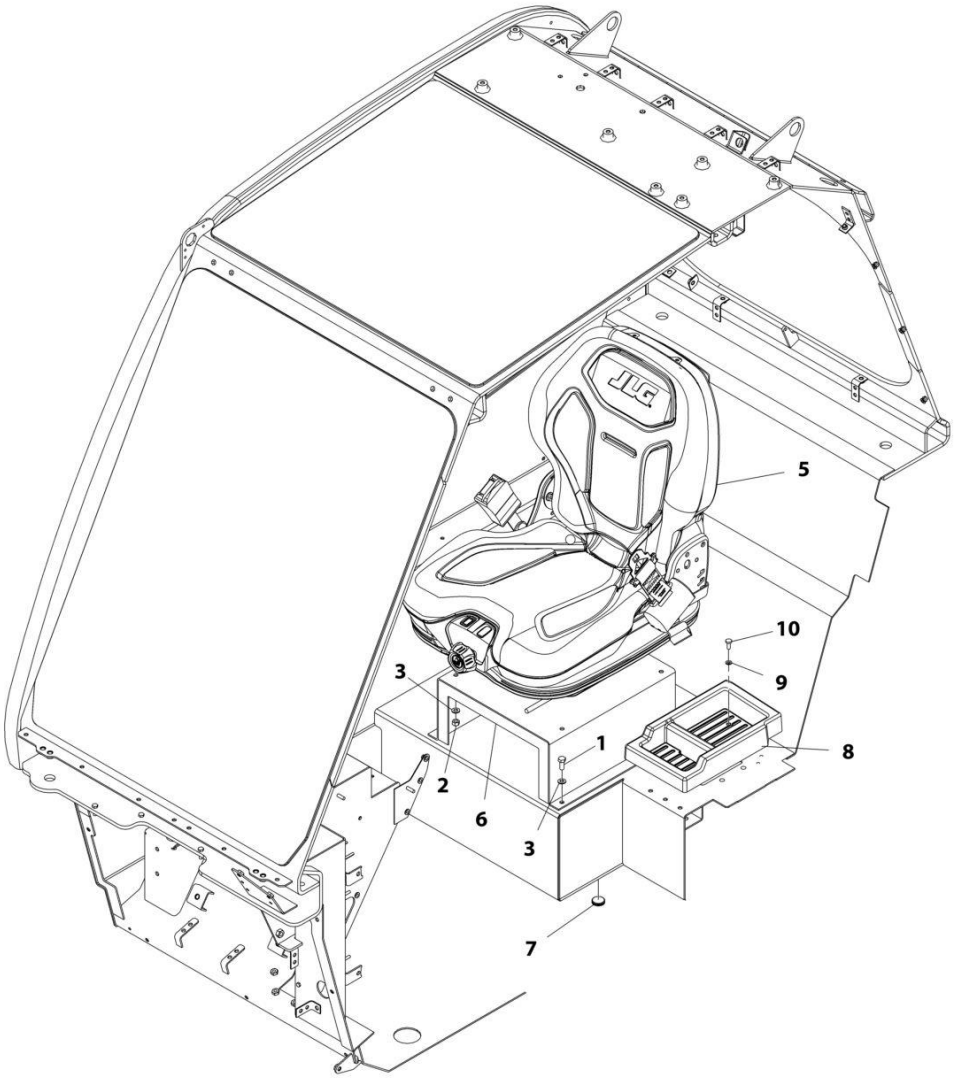


FIGURE 6-29. SEAT INSTALLATION (Prior to SN 0160116807)

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

FIGURE 6-30. SEAT INSTALLATION (SN 0160116807 to Present)

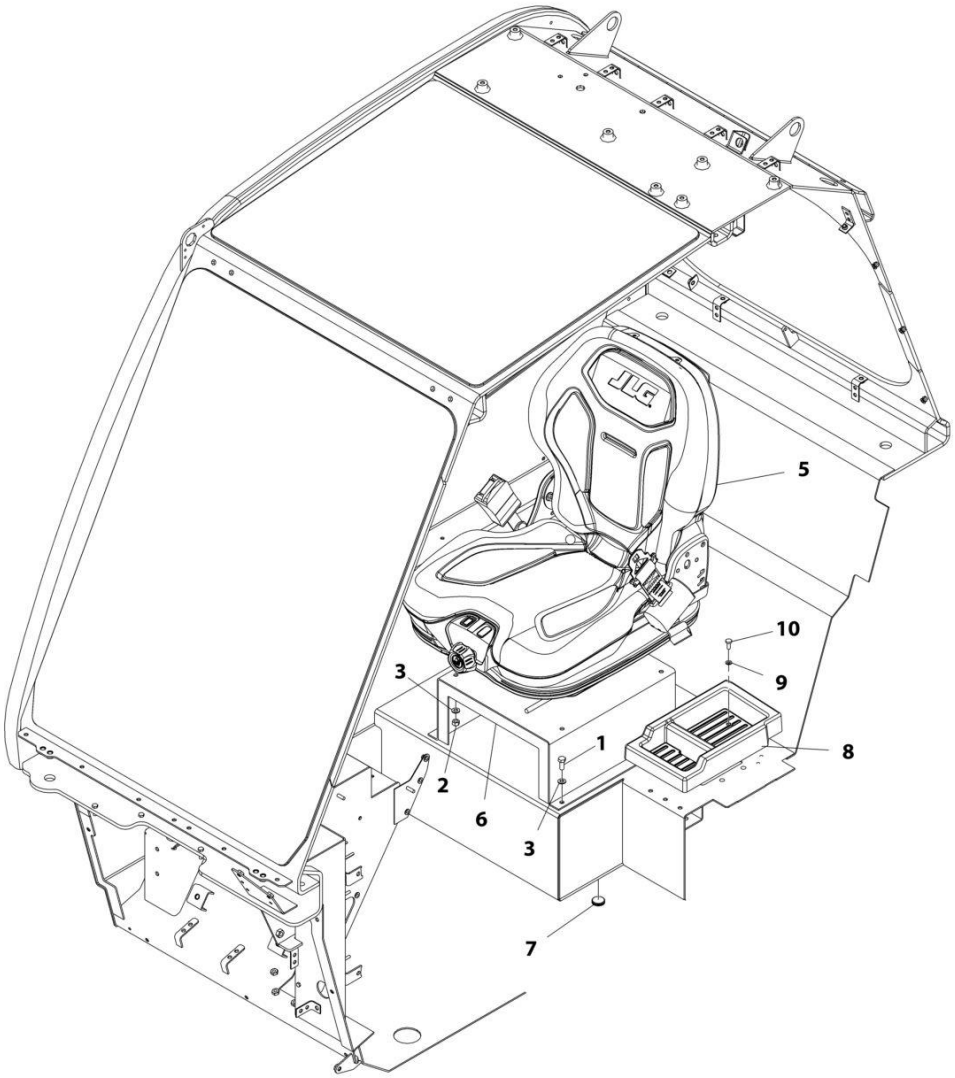


FIGURE 6-30. SEAT INSTALLATION (SN 0160116807 to Present)

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

FIGURE 6-31. SUSPENSION SEAT ASSEMBLY (BLACK SEAT BELT) (Prior to SN 0160116807)

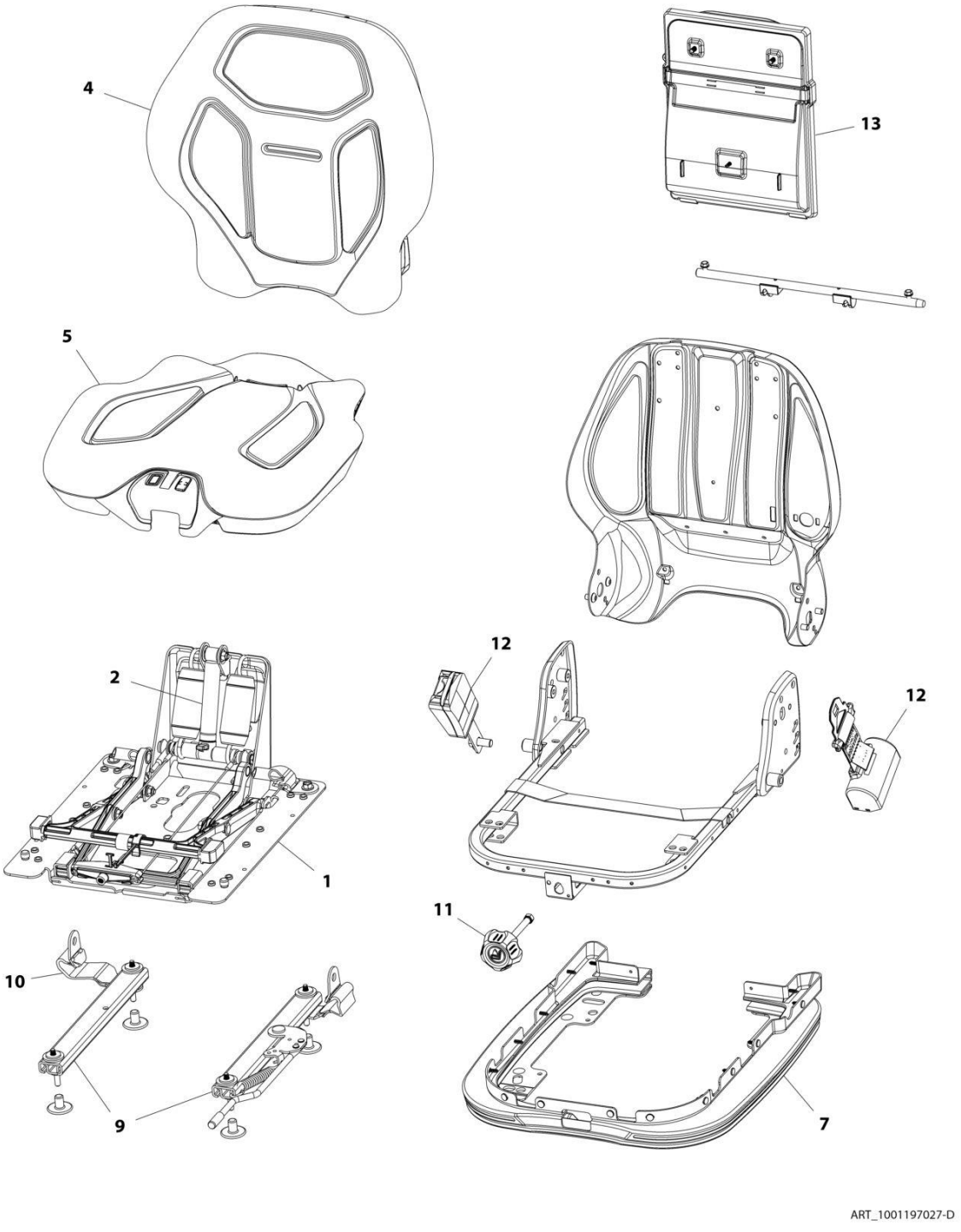


FIGURE 6-31. SUSPENSION SEAT ASSEMBLY (BLACK SEAT BELT) (Prior to SN 0160116807)

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

FIGURE 6-32. SUSPENSION SEAT ASSEMBLY (ORANGE SEAT BELT) (SN 0160116807 to Present)

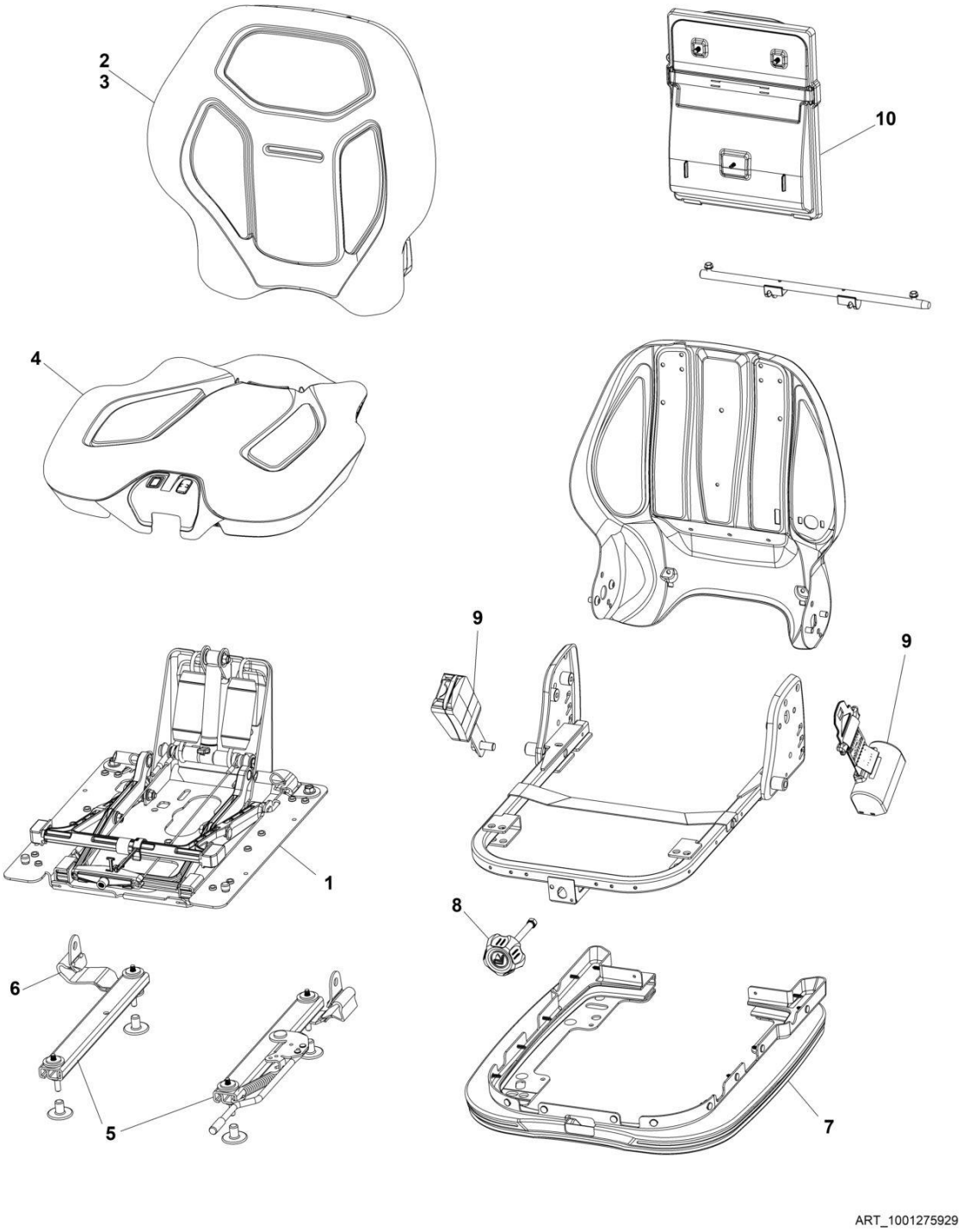


FIGURE 6-32. SUSPENSION SEAT ASSEMBLY (ORANGE SEAT BELT) (SN 0160116807 to Present)

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

FIGURE 6-33. SEAT INSTALLATION (CLOTH)

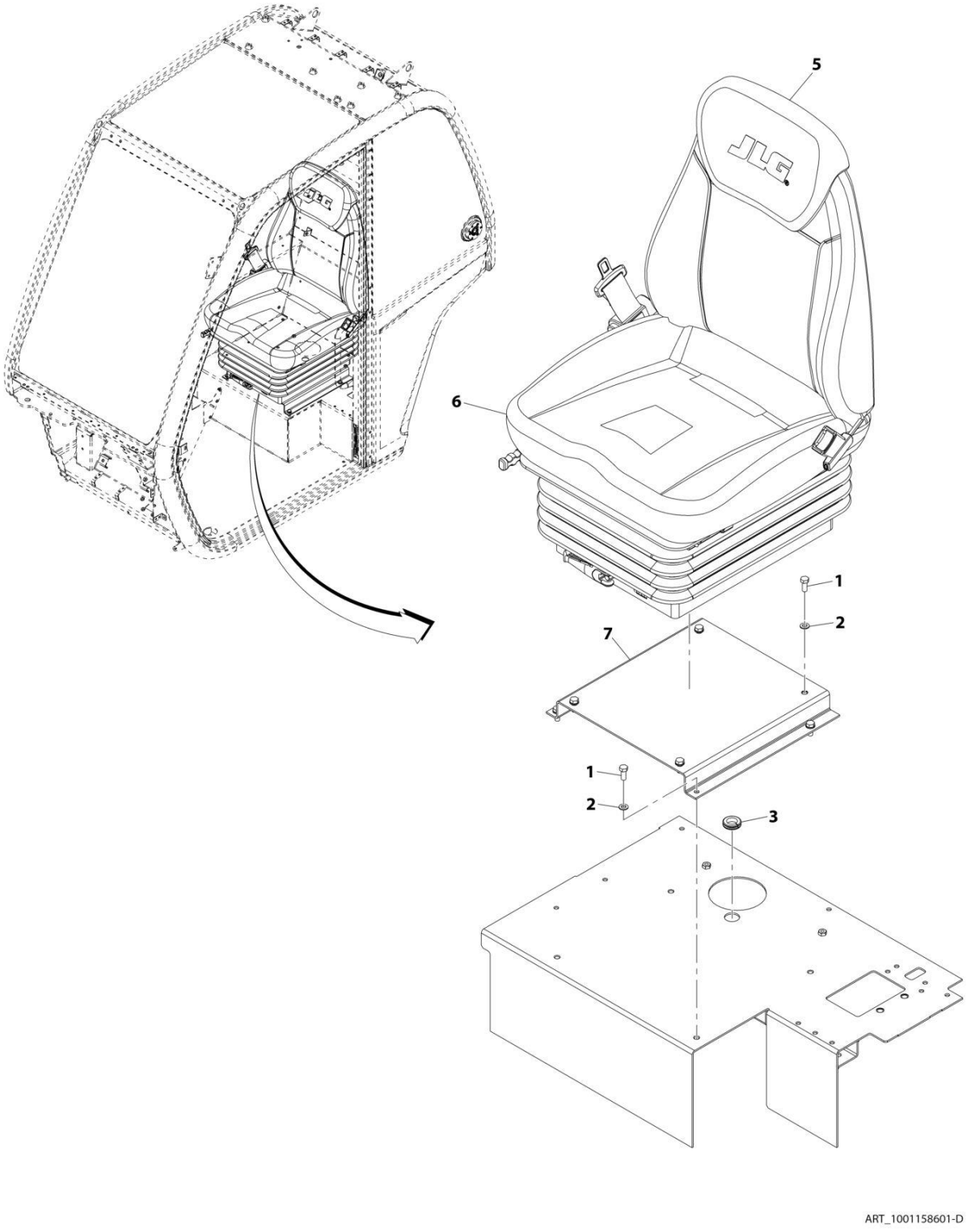


FIGURE 6-33. SEAT INSTALLATION (CLOTH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158601	Ref	Seat Installation (Cloth)	E
1	0760810	8	Bolt, M8X20	
2	4811900	8	Washer, M8	
3	1001216974	1	Grommet	
5	1001119467	1	Headrest, Cloth	
6	1001288070	1	Assembly, Seat (See Separate Breakdown in this Section)	
7	1001158738C	1	Plinth, Seat	

FIGURE 6-34. SEAT ASSEMBLY

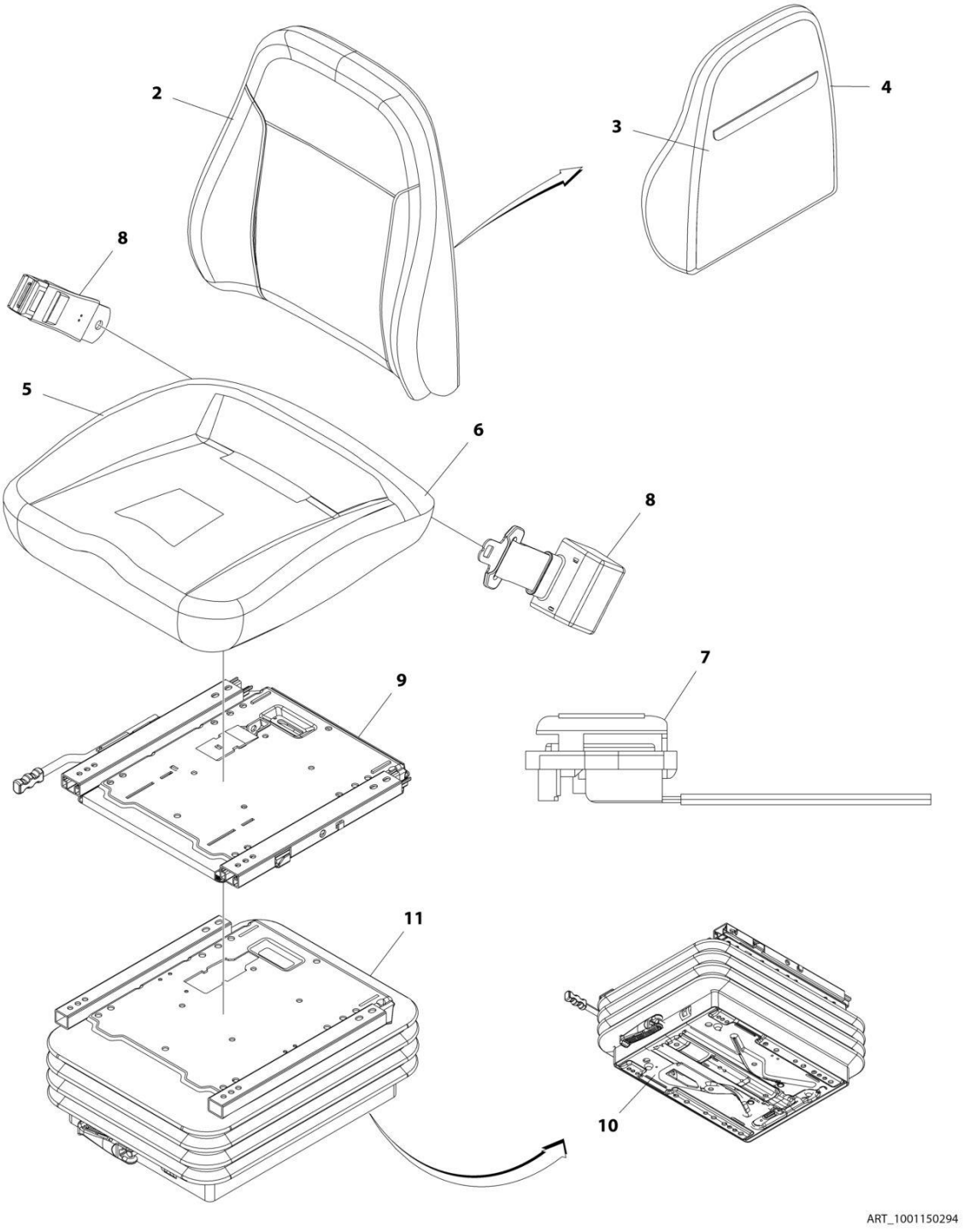


FIGURE 6-34. SEAT ASSEMBLY

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 6-35. SEAT INSTALLATION (AIR SUSPENSION - STANDARD) (Prior to SN 0160118427)

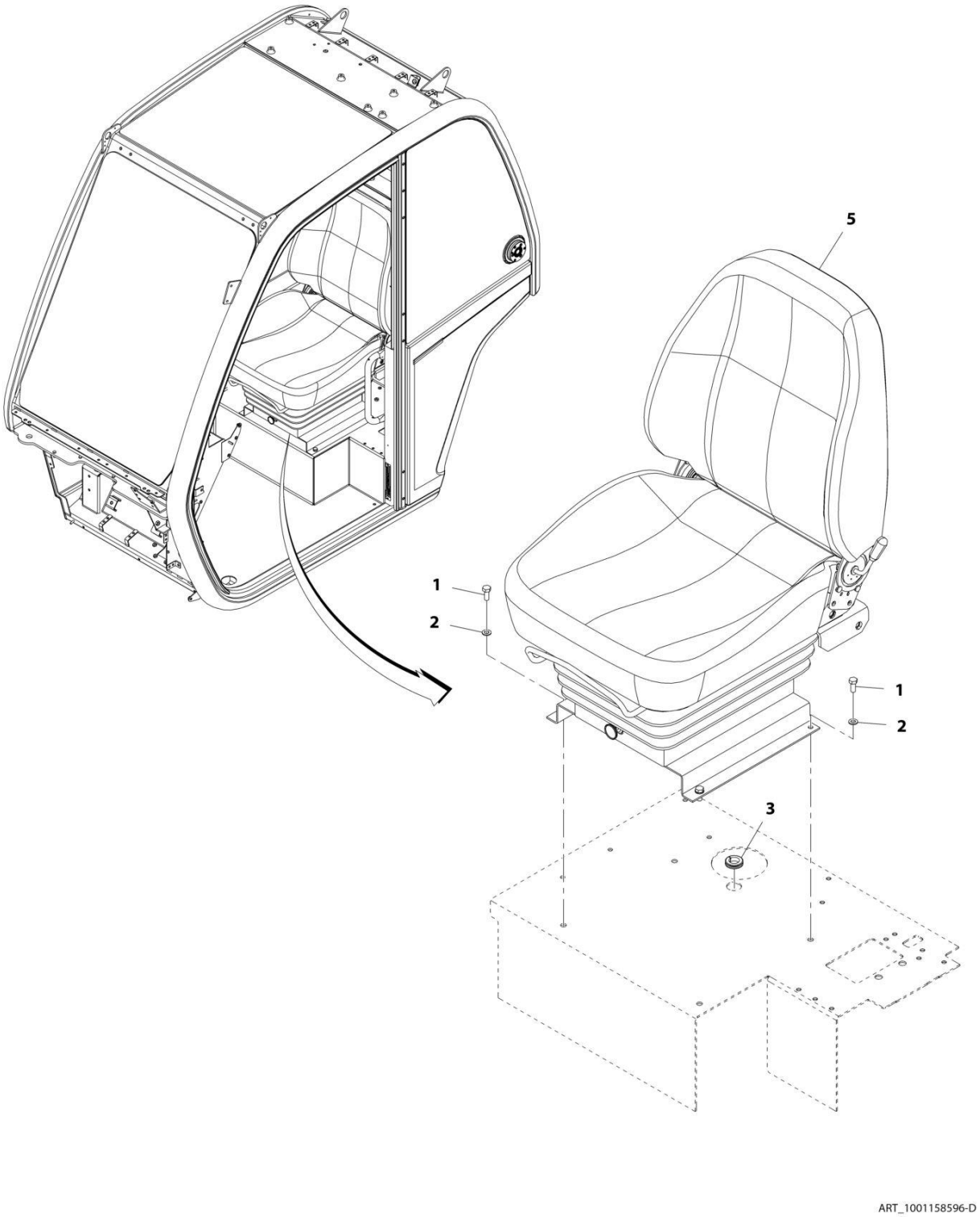


FIGURE 6-35. SEAT INSTALLATION (AIR SUSPENSION - STANDARD) (Prior to SN 0160118427)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158596	Ref	Seat Installation (Air Suspension - Standard)	D
1	0760810	4	Bolt, M8X20	
2	4811900	4	Washer, M8	
3	1001216974	1	Grommet	
5	1001165573	1	Assembly, Seat (See Separate Breakdown in this Section)	

FIGURE 6-36. SEAT INSTALLATION (AIR SUSPENSION - STANDARD) (SN 0160118427 to Present)

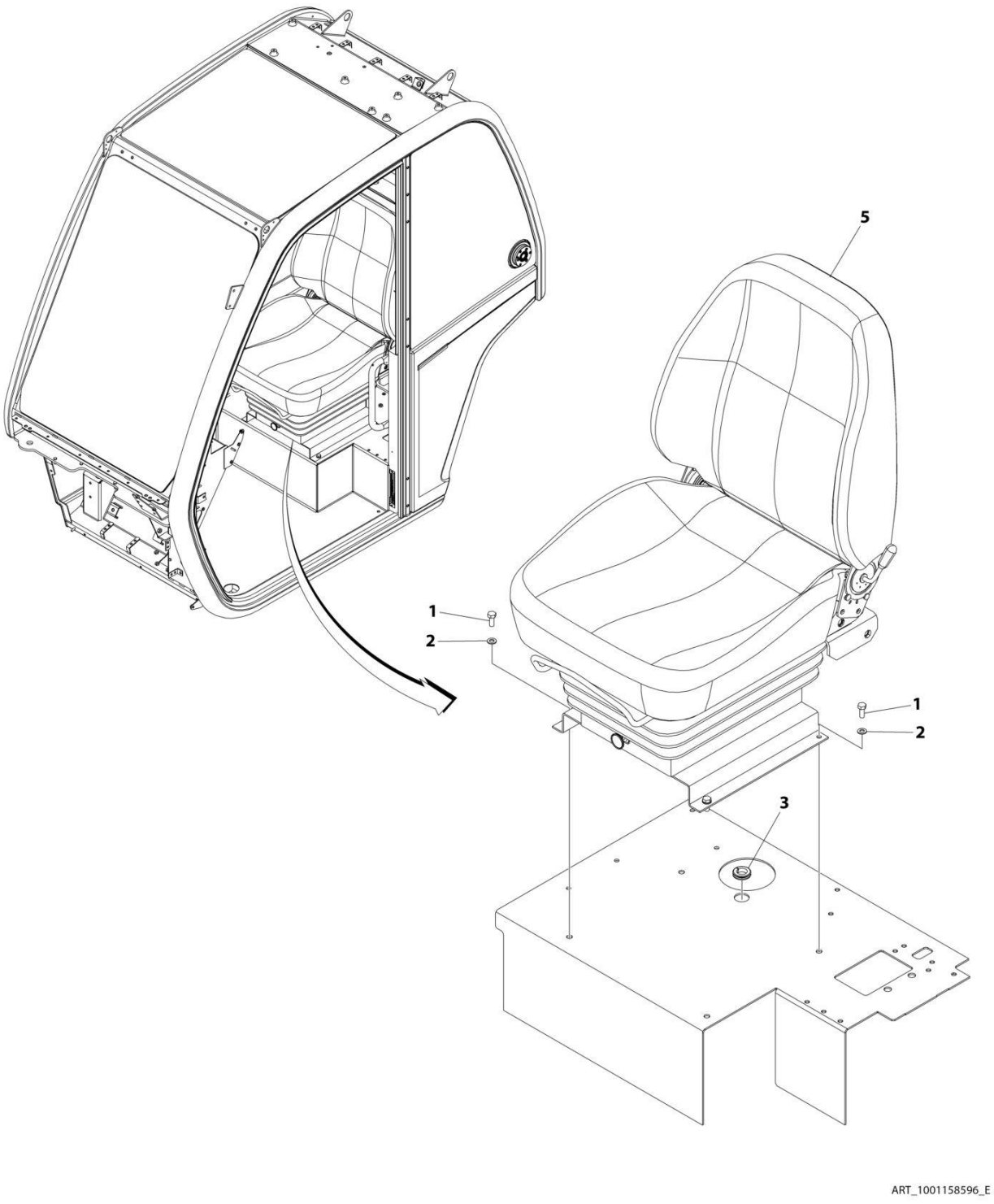


FIGURE 6-36. SEAT INSTALLATION (AIR SUSPENSION - STANDARD) (SN 0160118427 to Present)

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 6-37. SEAT ASSEMBLY (AIR SUSPENSION - STANDARD) (Prior to SN 0160118427)

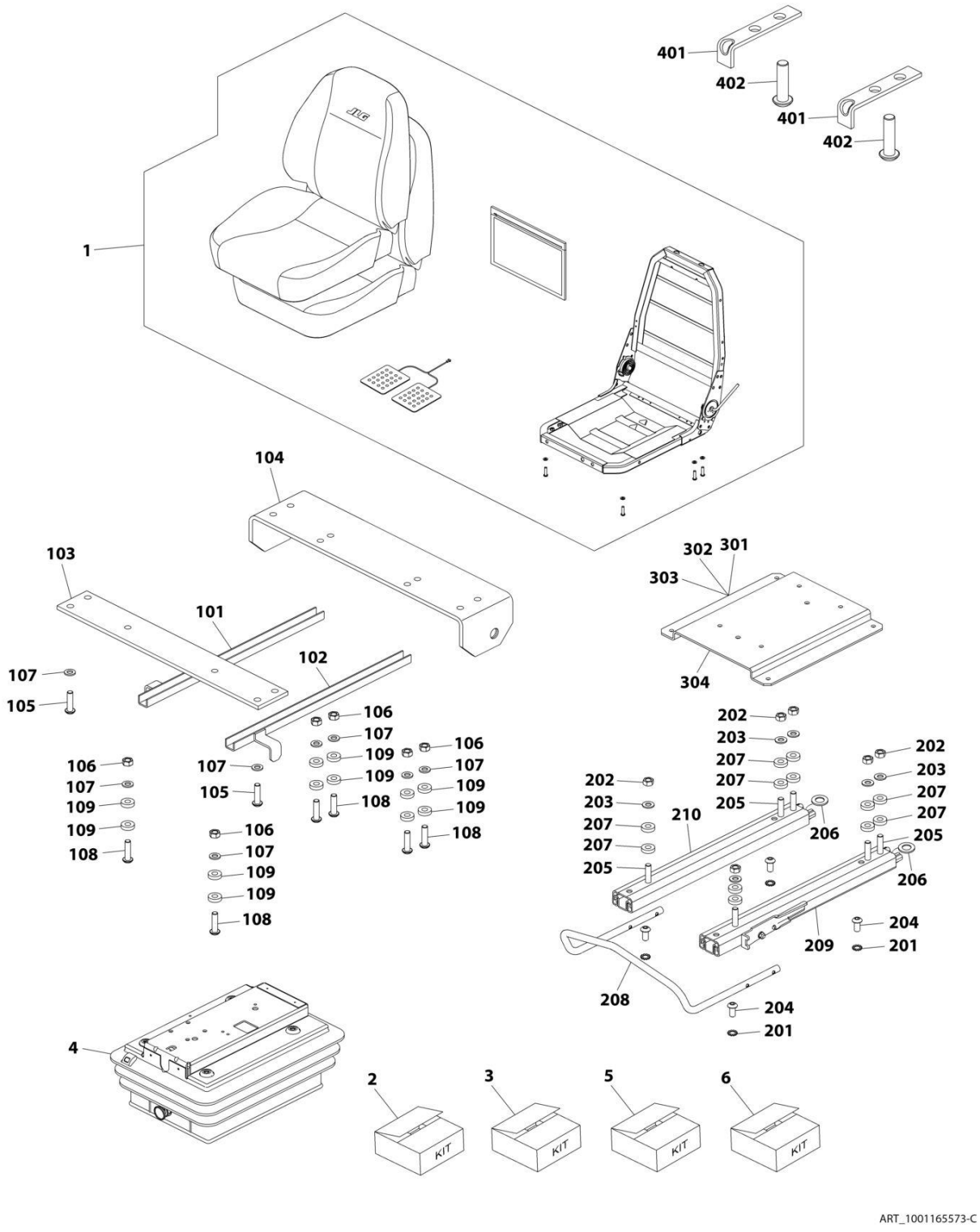


FIGURE 6-37. SEAT ASSEMBLY (AIR SUSPENSION - STANDARD) (Prior to SN 0160118427)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165573	Ref	Seat Assembly (Air Suspension - Standard)	C
1	70027392	1	Assembly, Upper Seat (See Separate Breakdown in this Section)	
2	70021317	1	Kit, Cross Strap (includes items 101 thru 109)	
3	70021318	1	Kit, Fore and Aft Adjustment (includes items 201 thru 210)	
4	70021319	1	Kit, Suspension (See Separate Breakdown in this Section)	
5	70027395	1	Kit, Adapter Plate (includes items 301 thru 304)	
6	70021322	1	Kit, Slide Rail Stop (includes items 401 & 402)	
101	N.S.S.	1	Channel	
102	N.S.S.	1	Channel	
103	N.S.S.	1	Plate, Strap	
104	N.S.S.	1	Plate, Strap	
105	N.S.S.	4	Bolt, M8X25	
106	N.S.S.	6	Nut, M8	
107	N.S.S.	10	Washer	
108	N.S.S.	6	Bolt, M8X30	
109	N.S.S.	12	Spacer	
201	N.S.S.	4	Washer, Spring M8	
202	N.S.S.	1	Nut, M8	
203	N.S.S.	1	Washer	
204	N.S.S.	1	Bolt, M8X16	
205	N.S.S.	1	Bolt, M8X30	
206	N.S.S.	1	Washer	
207	N.S.S.	1	Spacer	
208	N.S.S.	1	Handle	
209	N.S.S.	1	Rail, Slide	
210	N.S.S.	1	Rail, Slide	
301	N.S.S.	1	Bolt, M8X25	
302	N.S.S.	1	Bolt, M8X16	
303	N.S.S.	1	Washer	
304	N.S.S.	1	Plate, Adapter	
401	N.S.S.	1	Stop, Sliderail	
402	N.S.S.	1	Bolt, M8X16	

FIGURE 6-38. SEAT ASSEMBLY (AIR SUSPENSION - STANDARD) (SN 0160118427 to Present)

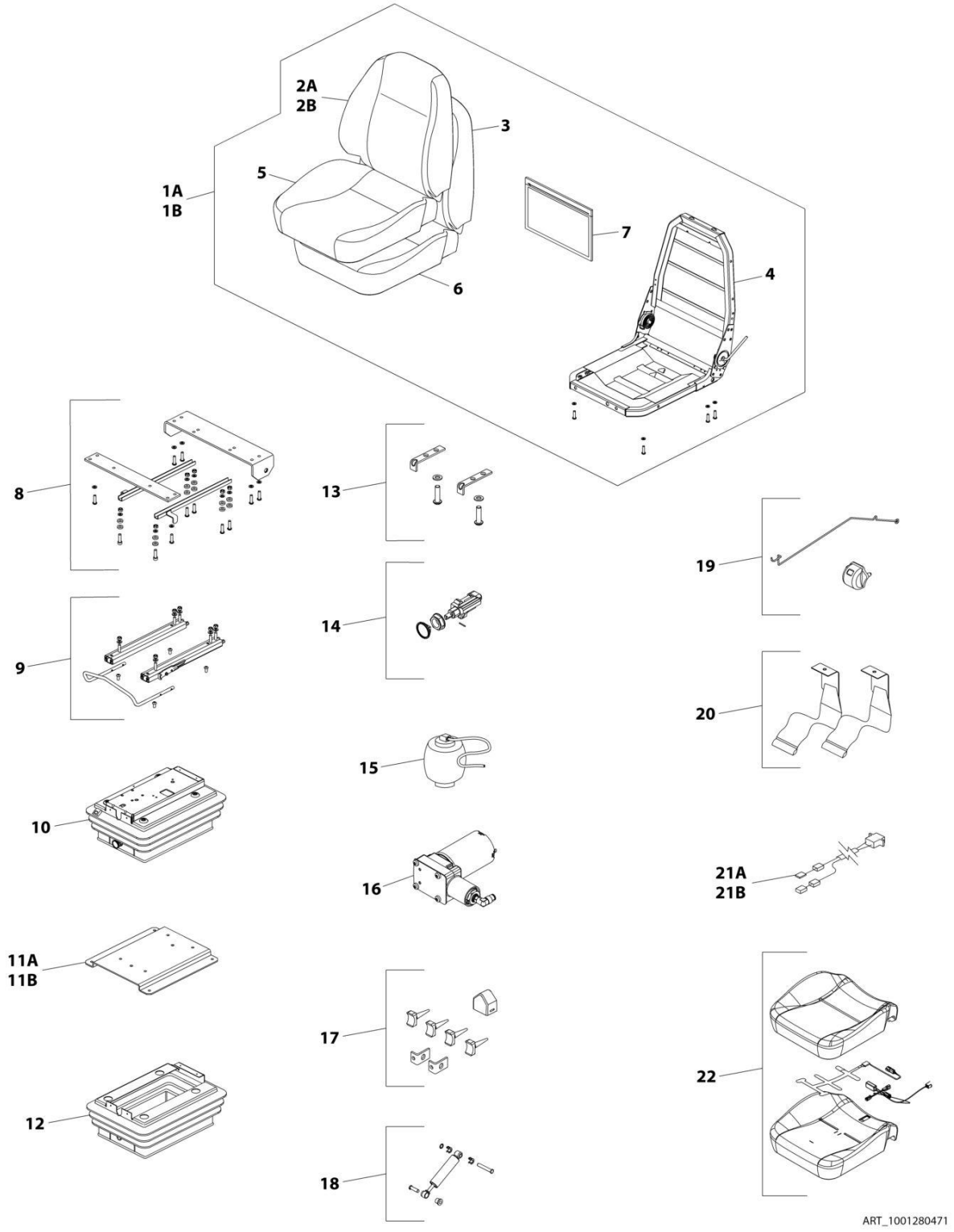


FIGURE 6-38. SEAT ASSEMBLY (AIR SUSPENSION - STANDARD) (SN 0160118427 to Present)

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 6-39. UPPER SEAT ASSEMBLY

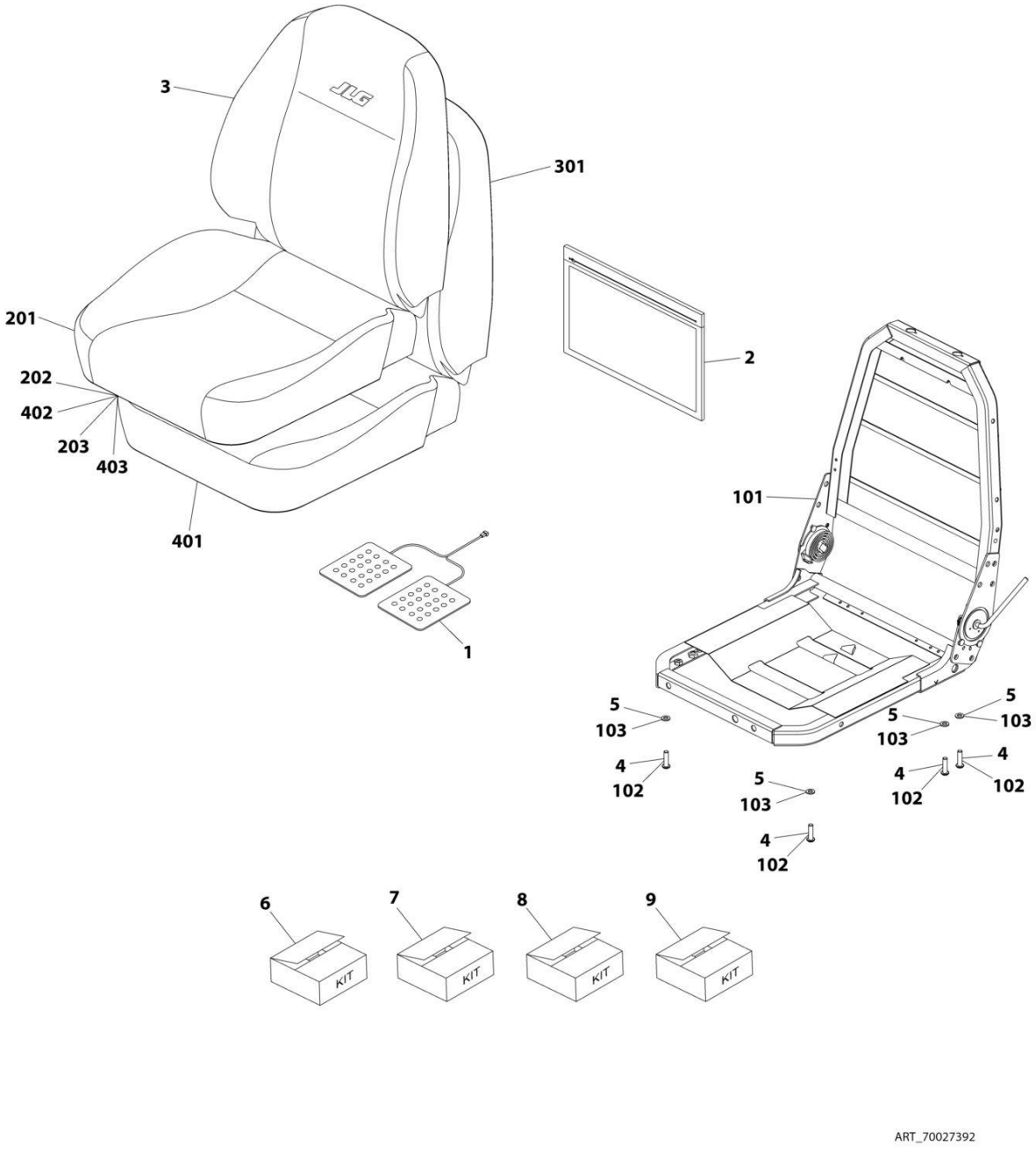


FIGURE 6-39. UPPER SEAT ASSEMBLY

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 6-40. SUSPENSION KIT

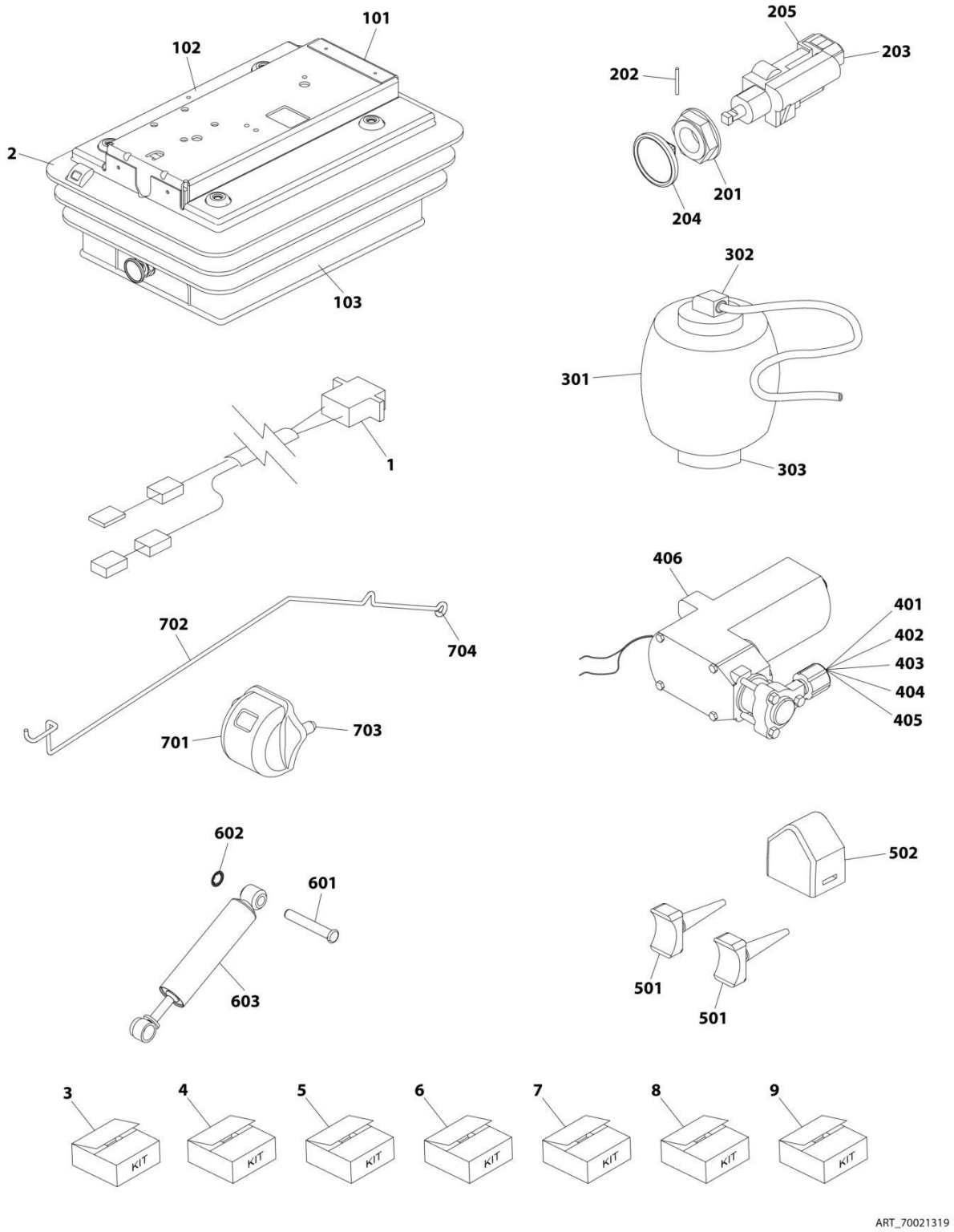


FIGURE 6-40. SUSPENSION KIT

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 6-41. SEAT INSTALLATION (AIR SUSPENSION - PREMIUM)

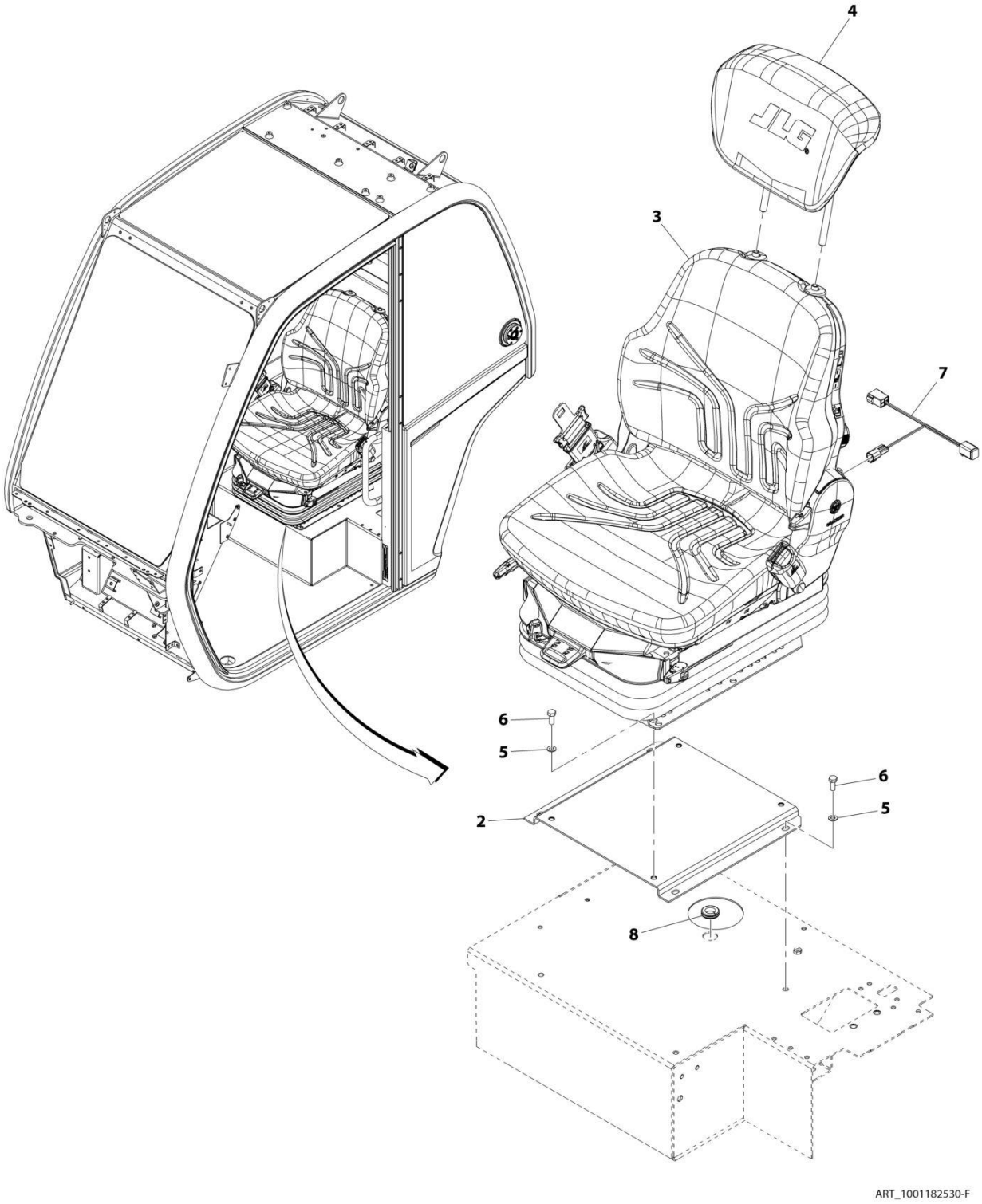


FIGURE 6-41. SEAT INSTALLATION (AIR SUSPENSION - PREMIUM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182530	Ref	Seat Installation (Air Suspension - Premium)	F
2	1001158736C	1	Plinth, Seat	
3	1001169135	1	Assembly, Seat (See Separate Breakdown in this Section)	
4	1001182529	1	Headrest	
5	4811900	8	Washer, M8	
6	0760810	8	Bolt, M8X20	
7	1001168531	1	Harness, Seat Adaptor (See Separate Breakdown in ELECTRICAL Section)	
8	1001216974	1	Grommet	

FIGURE 6-42. SEAT ASSEMBLY (AIR SUSPENSION - PREMIUM)

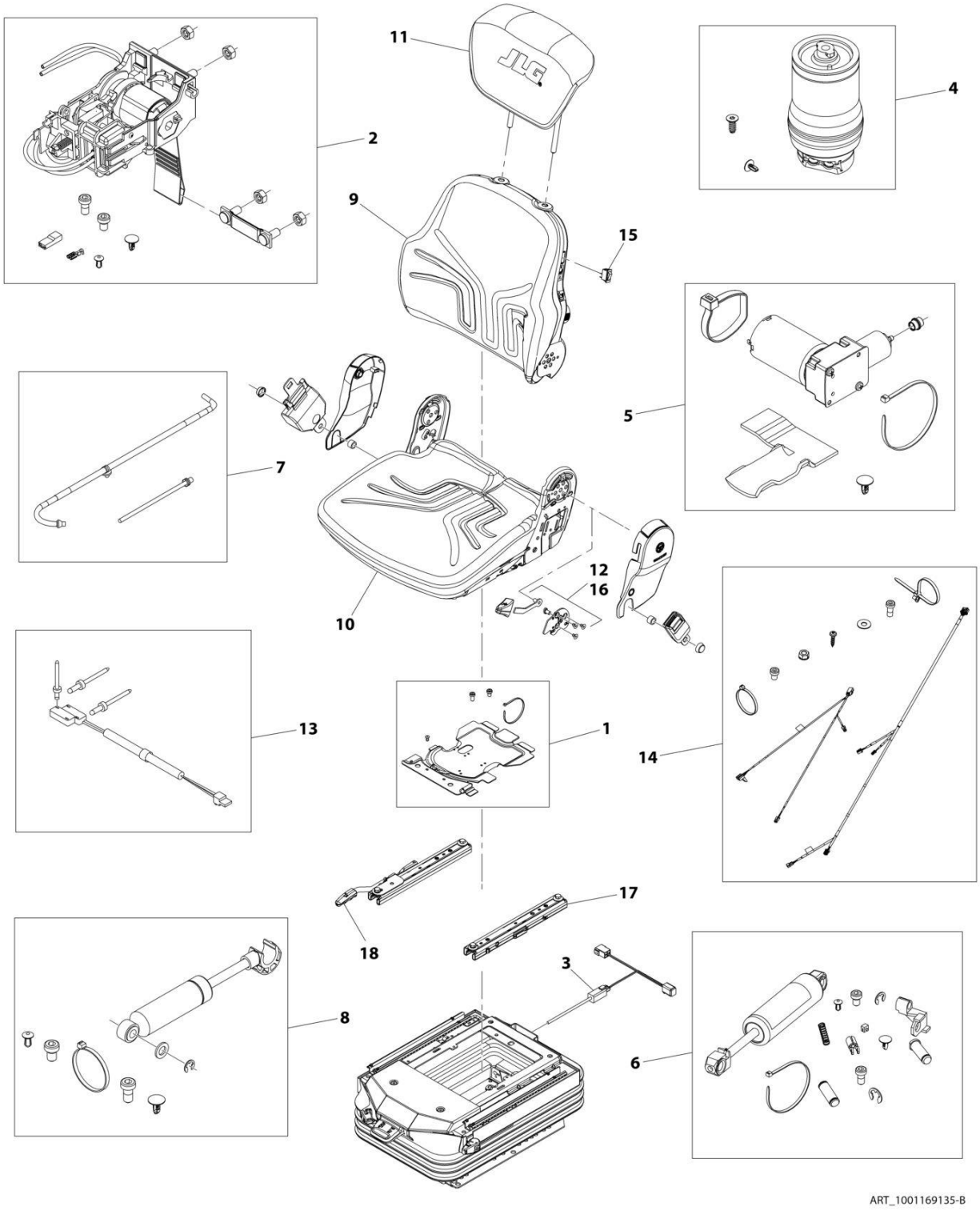


FIGURE 6-42. SEAT ASSEMBLY (AIR SUSPENSION - PREMIUM)

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 6-43. HEATER INSTALLATION

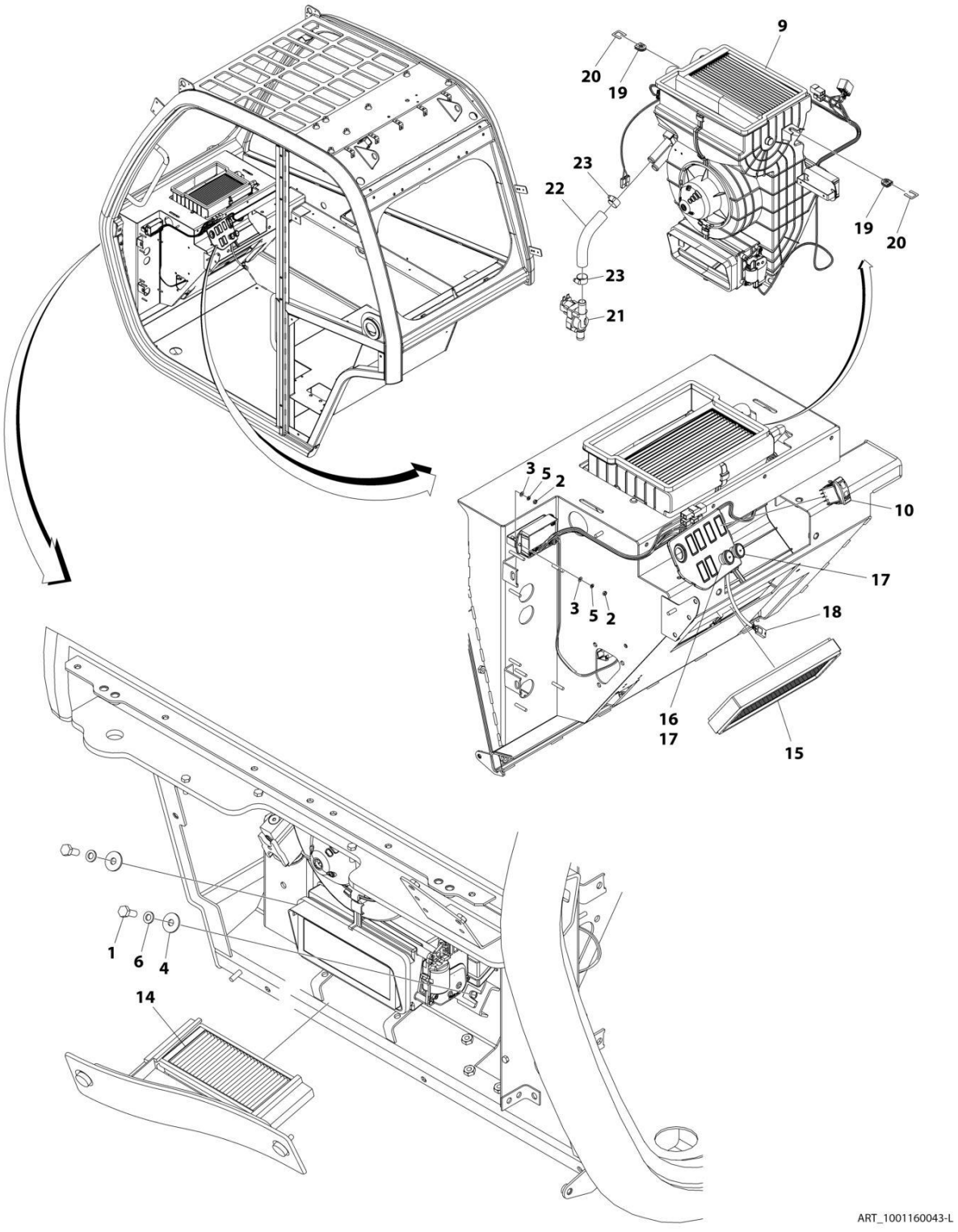
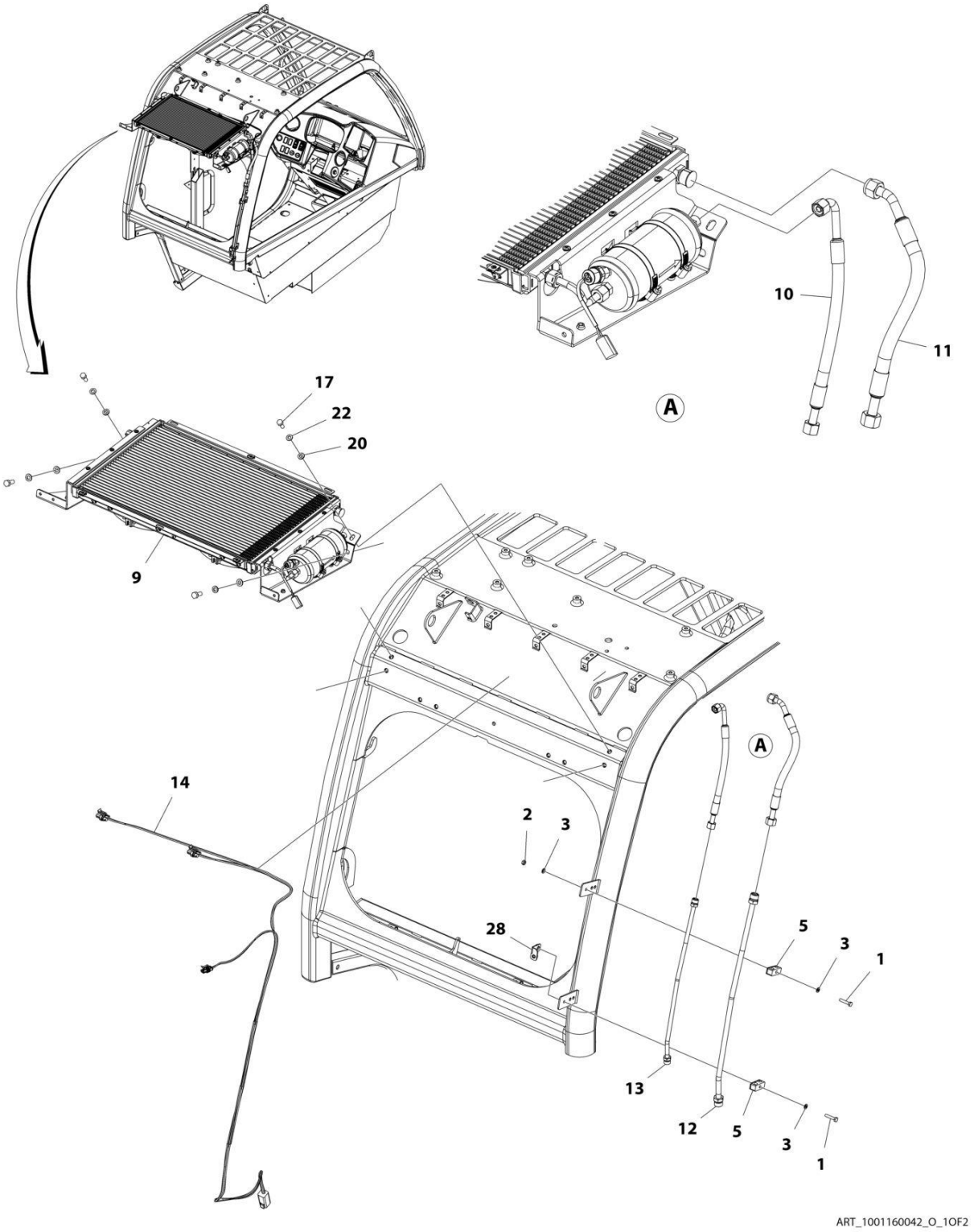


FIGURE 6-43. HEATER INSTALLATION

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

FIGURE 6-44. HEATER AND A/C INSTALLATION (CAB PARTS)



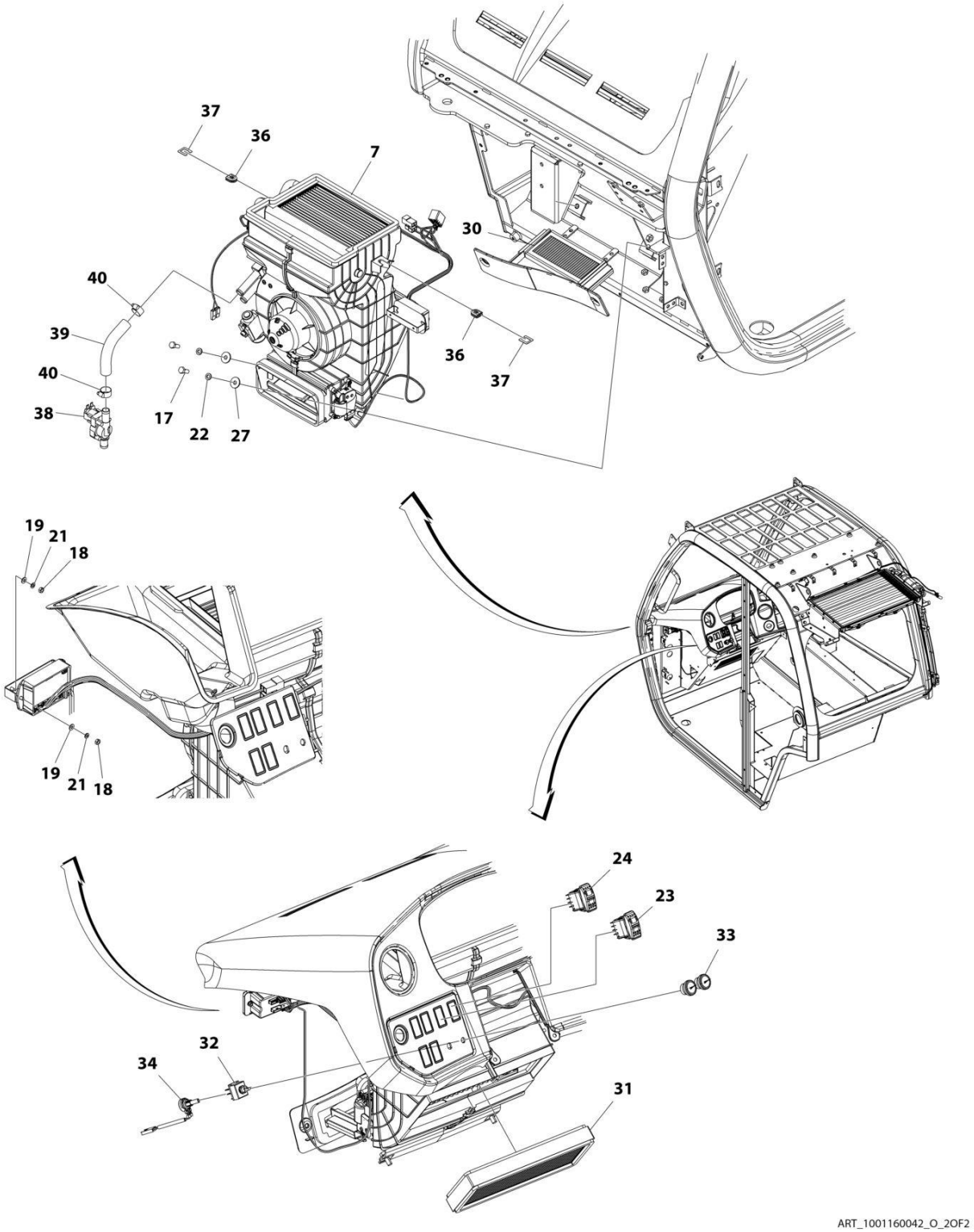

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FIGURE 6-44. HEATER AND A/C INSTALLATION (CAB PARTS)

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

FIGURE 6-45. CAB CONDENSER ASSEMBLY

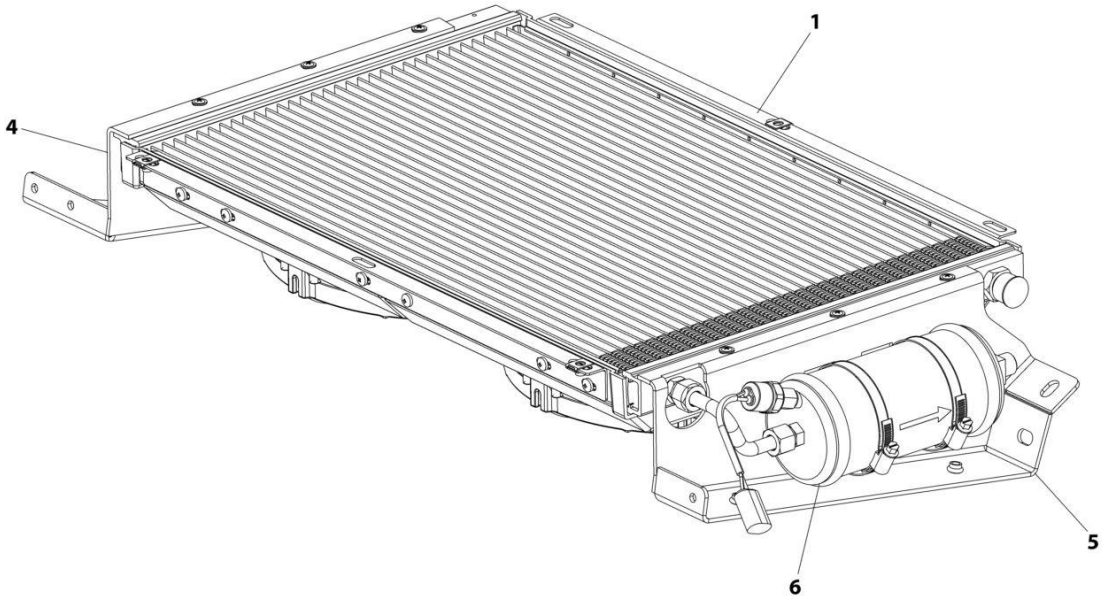


FIGURE 6-45. CAB CONDENSER ASSEMBLY

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 6-46. CONDENSER

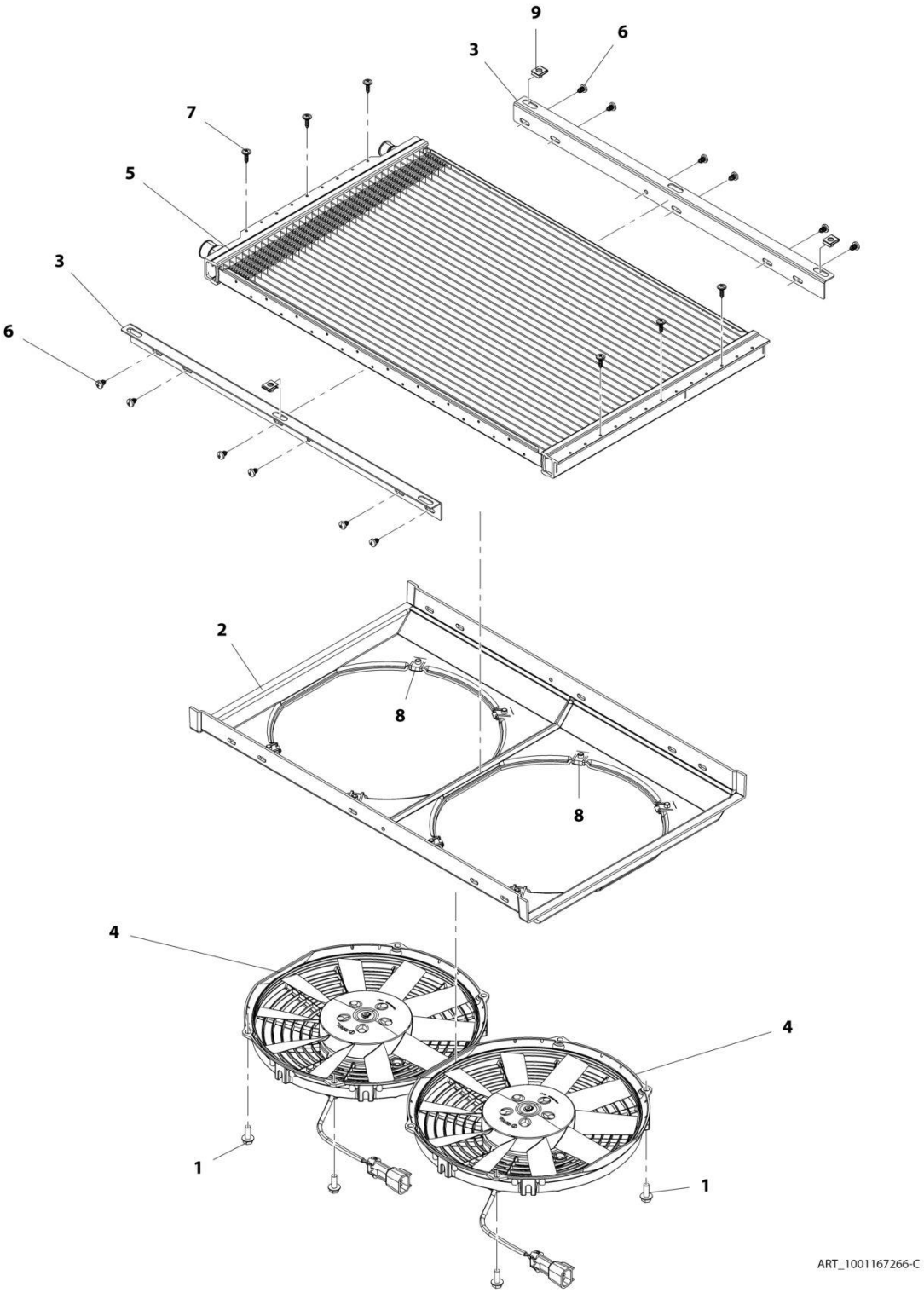


FIGURE 6-46. CONDENSER

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 6-47. A/C RECEIVER DRIER

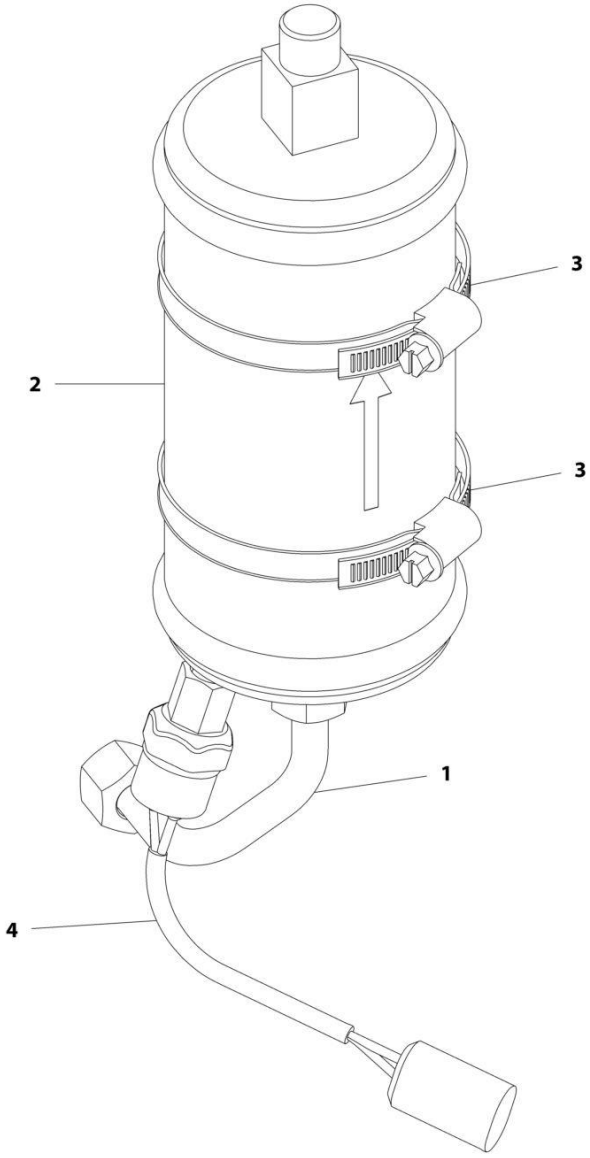


FIGURE 6-47. A/C RECEIVER DRIER

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 6-48. HEATER ASSEMBLY

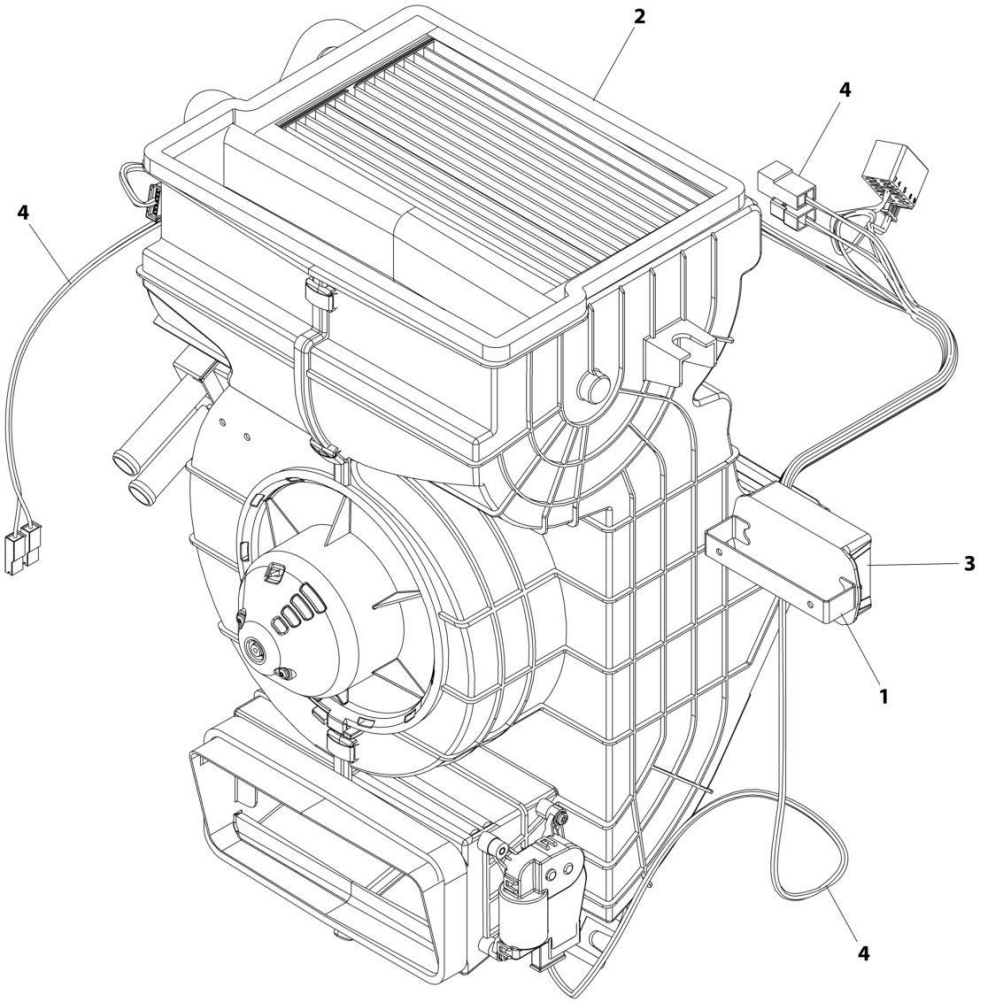


FIGURE 6-48. HEATER ASSEMBLY

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

FIGURE 6-49. HEATER ASSEMBLY

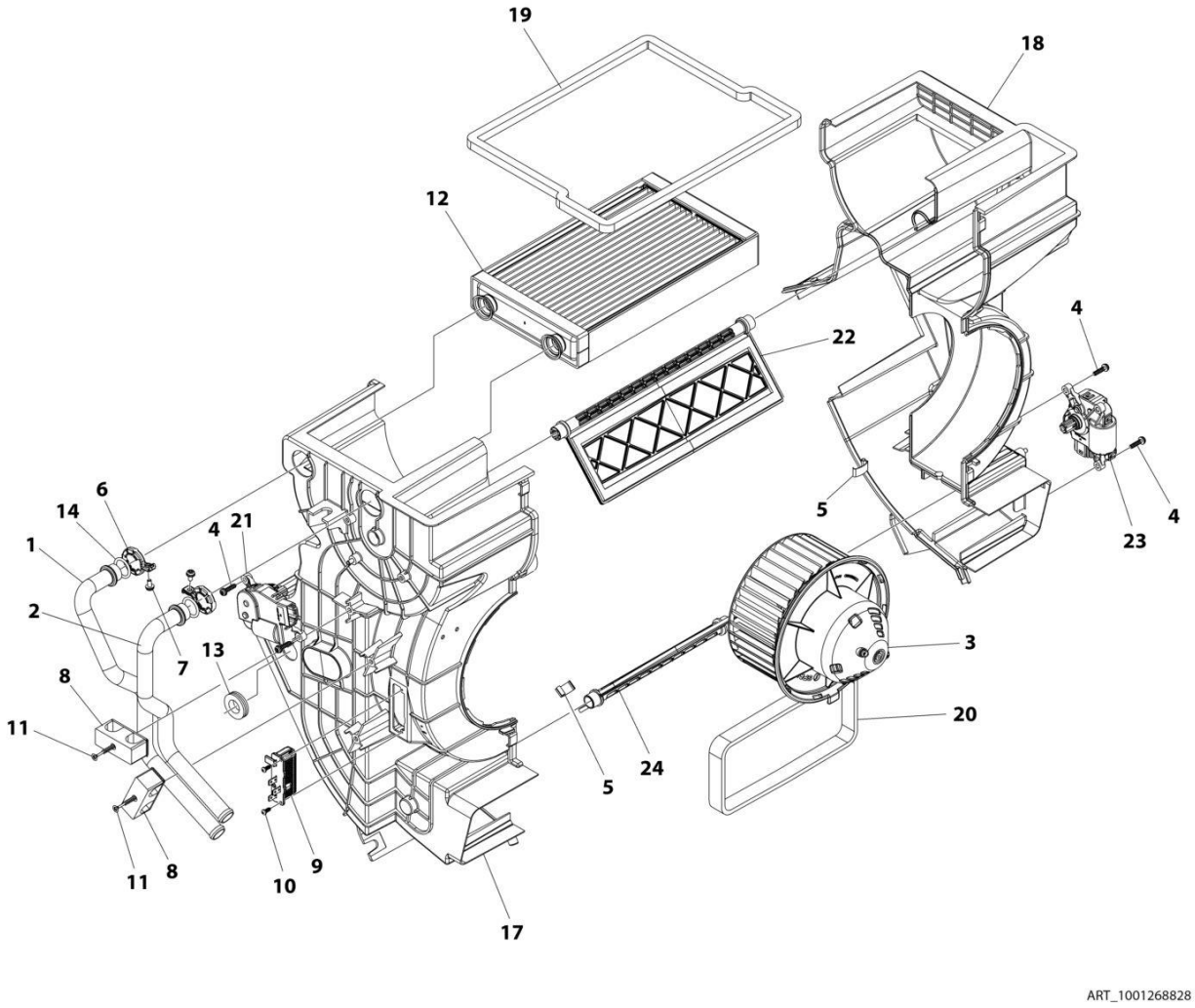


FIGURE 6-49. HEATER ASSEMBLY

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 ASSEMBLY

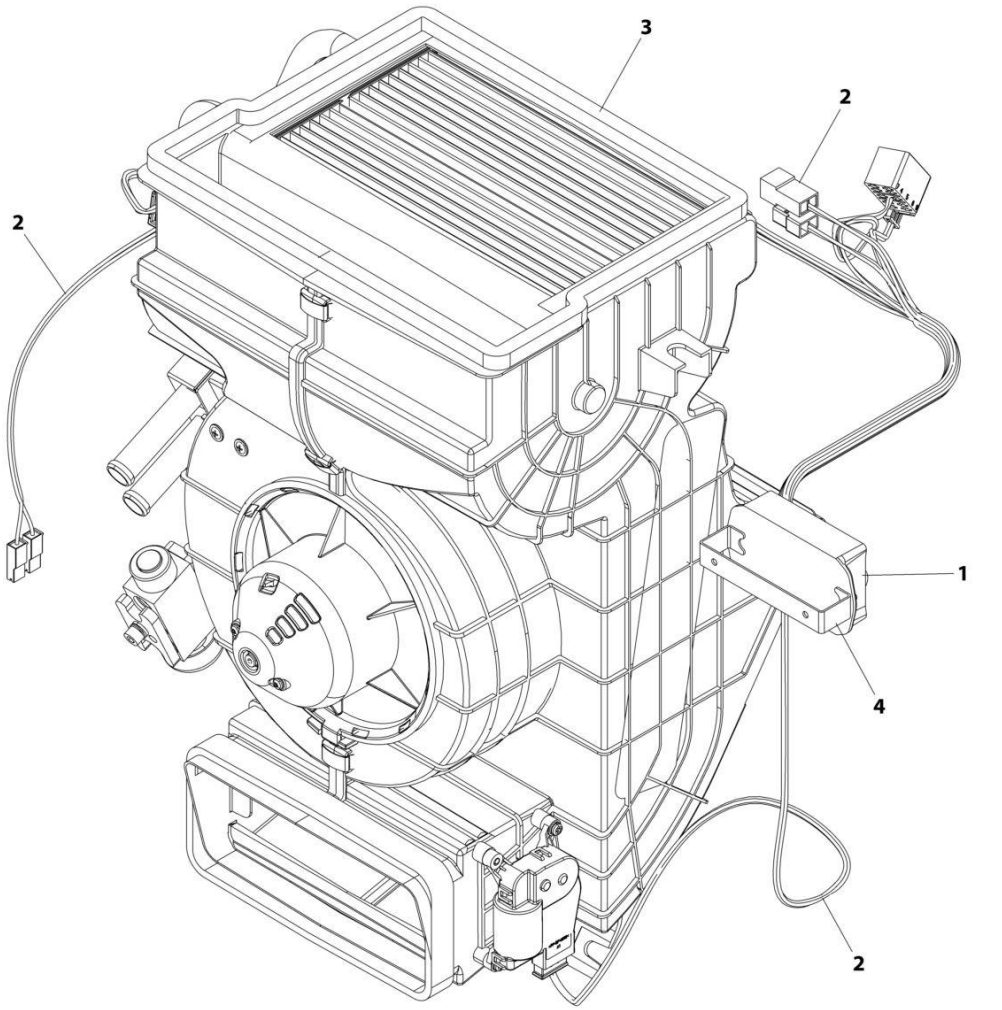


FIGURE 6-50. HEATER AND A/C ASSEMBLY

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

FIGURE 6-51. HEATER AND A/C ASSEMBLY

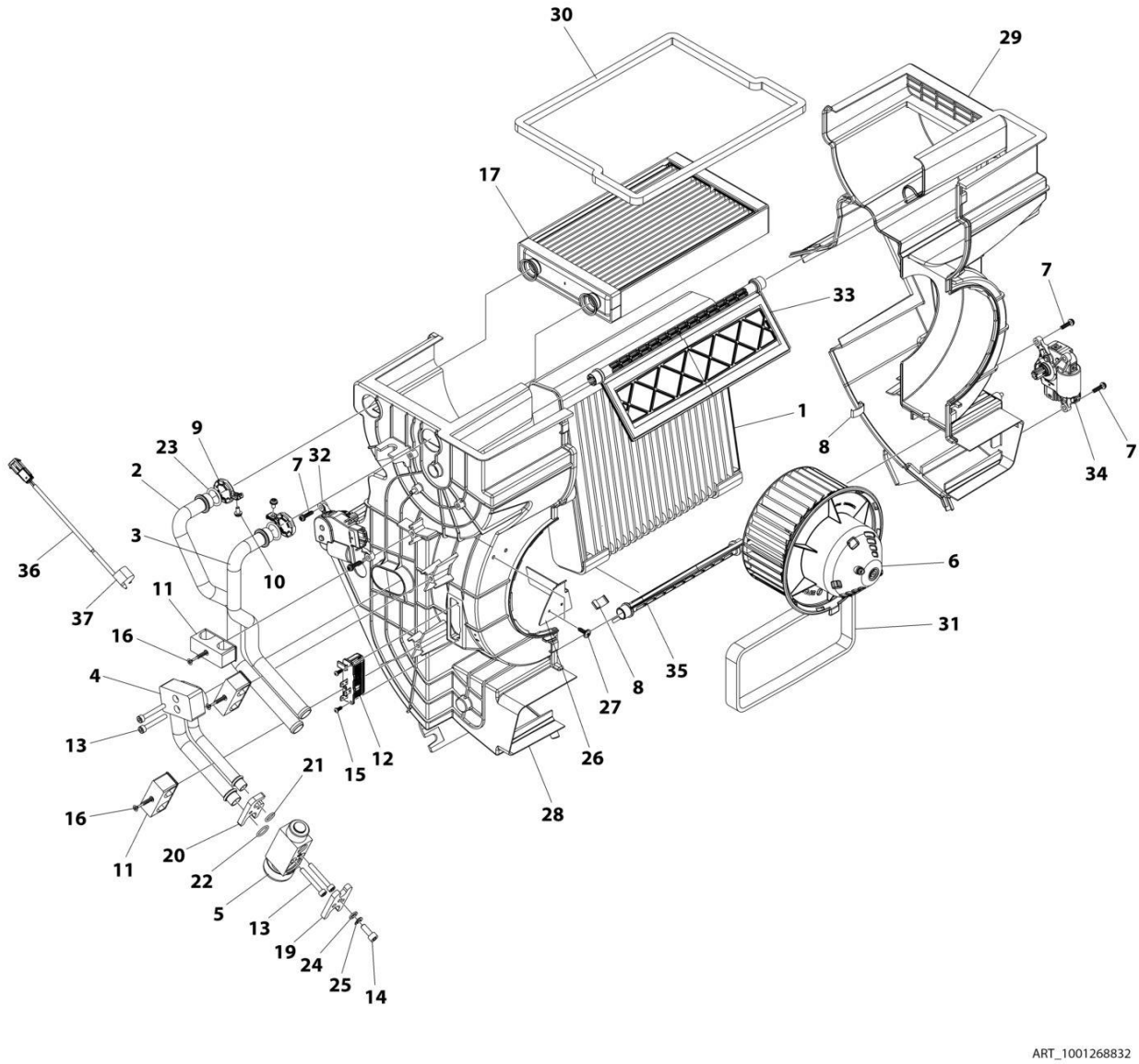


FIGURE 6-51. HEATER AND A/C ASSEMBLY

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 6-52. ROOF WIPER INSTALLATION

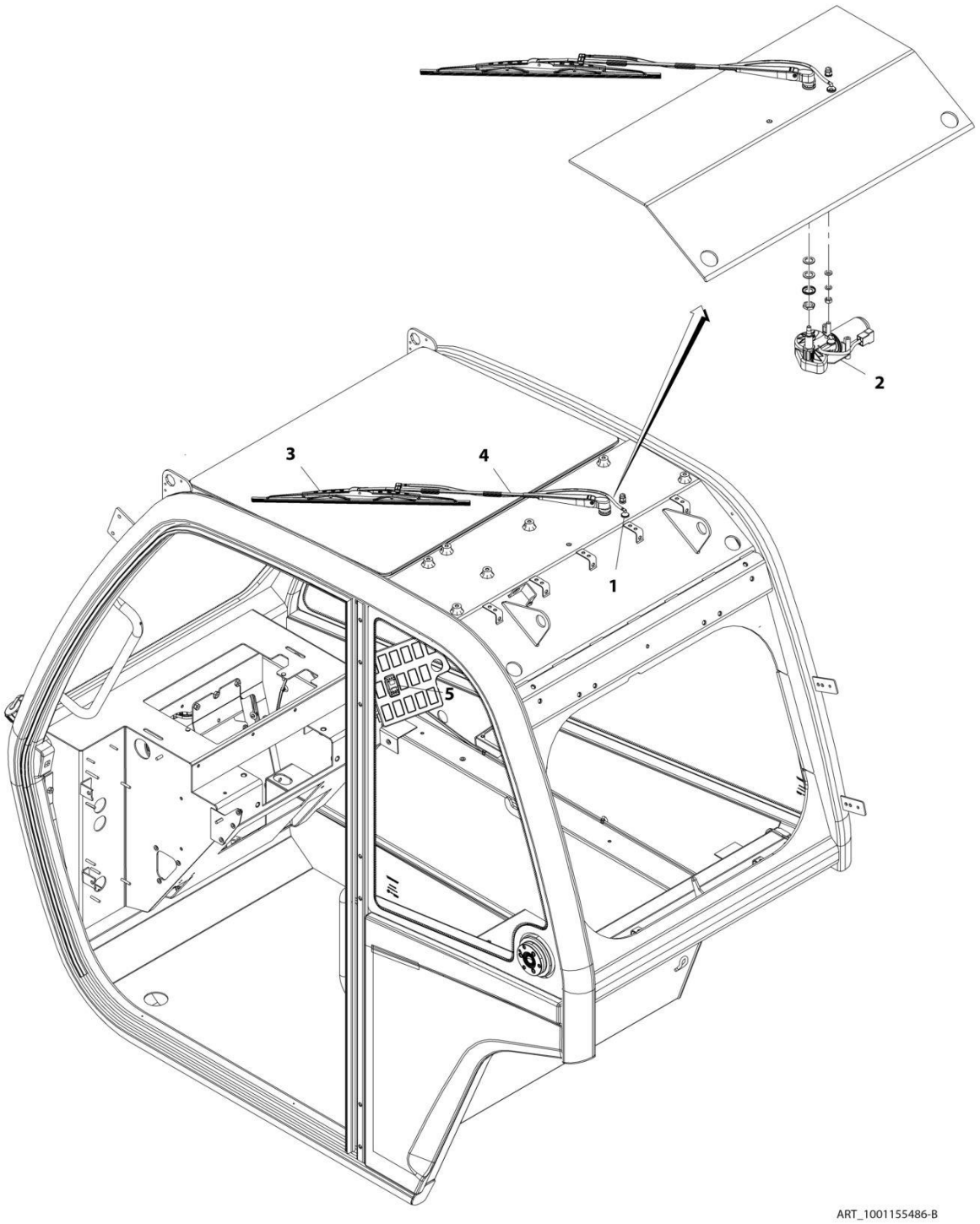


FIGURE 6-52. ROOF WIPER INSTALLATION

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 6-53. HEADLINER INSTALLATION

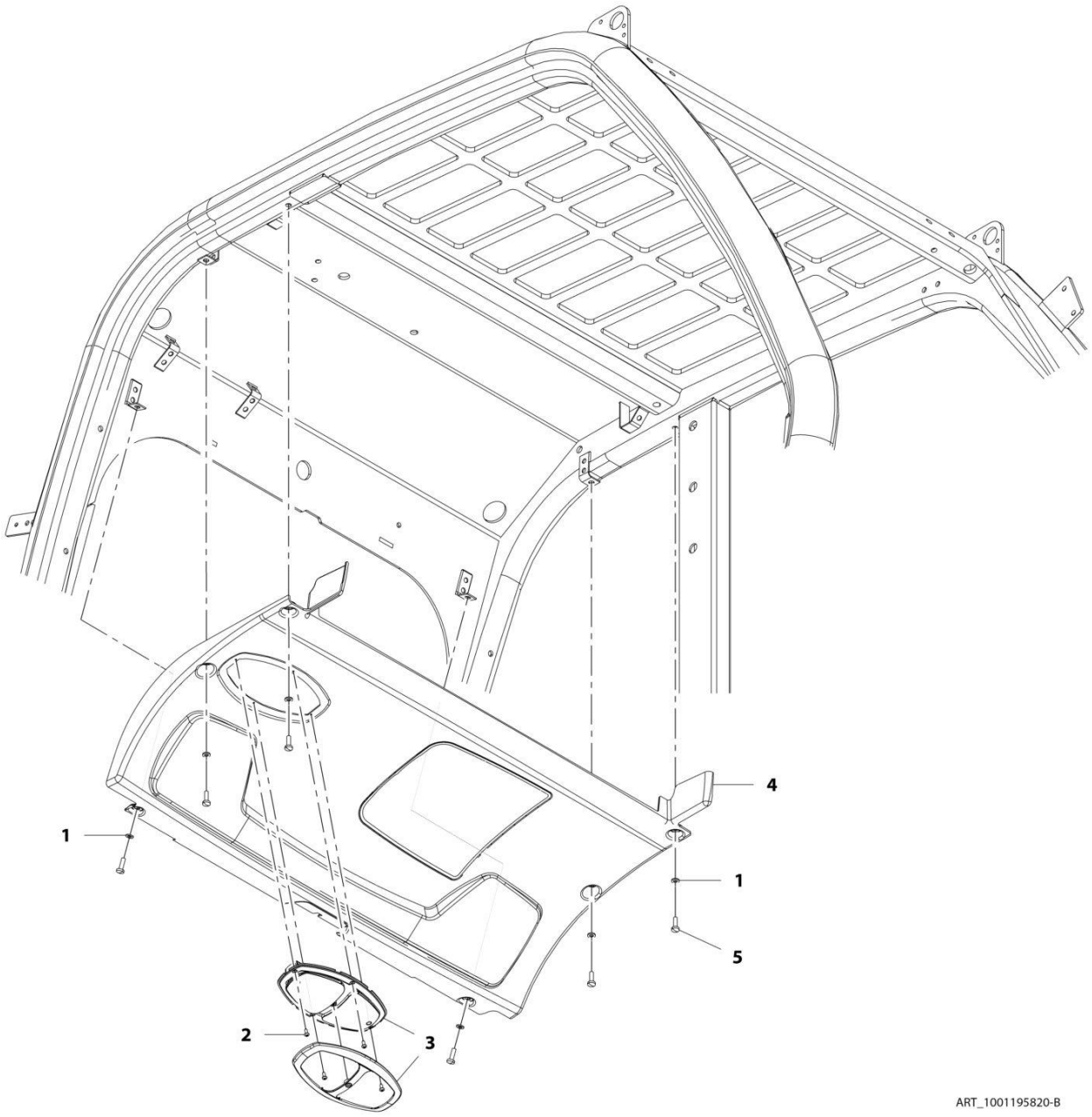


FIGURE 6-53. HEADLINER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195820	Ref	Headliner Installation	C
1	4811700	6	Washer, M6	
2	7029486	4	Screw	
3	1001167015	1	Lamp, Dome	
4	1001195822	1	Panel, Headliner	
5	4031708001	1	Cap Screw M6 x 20	

FIGURE 6-54. HEADLINER/RADIO READY PACKAGE INSTALLATION

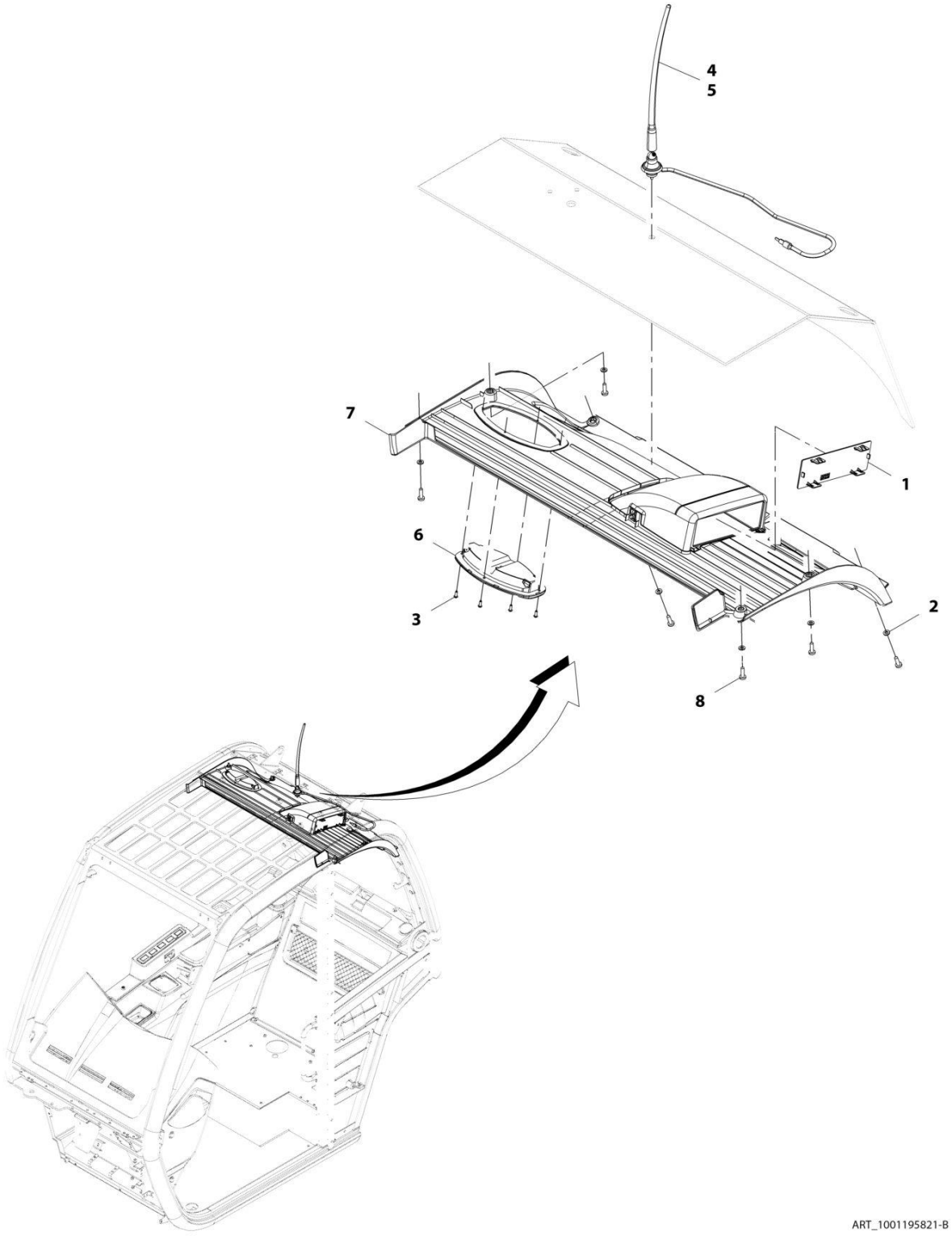
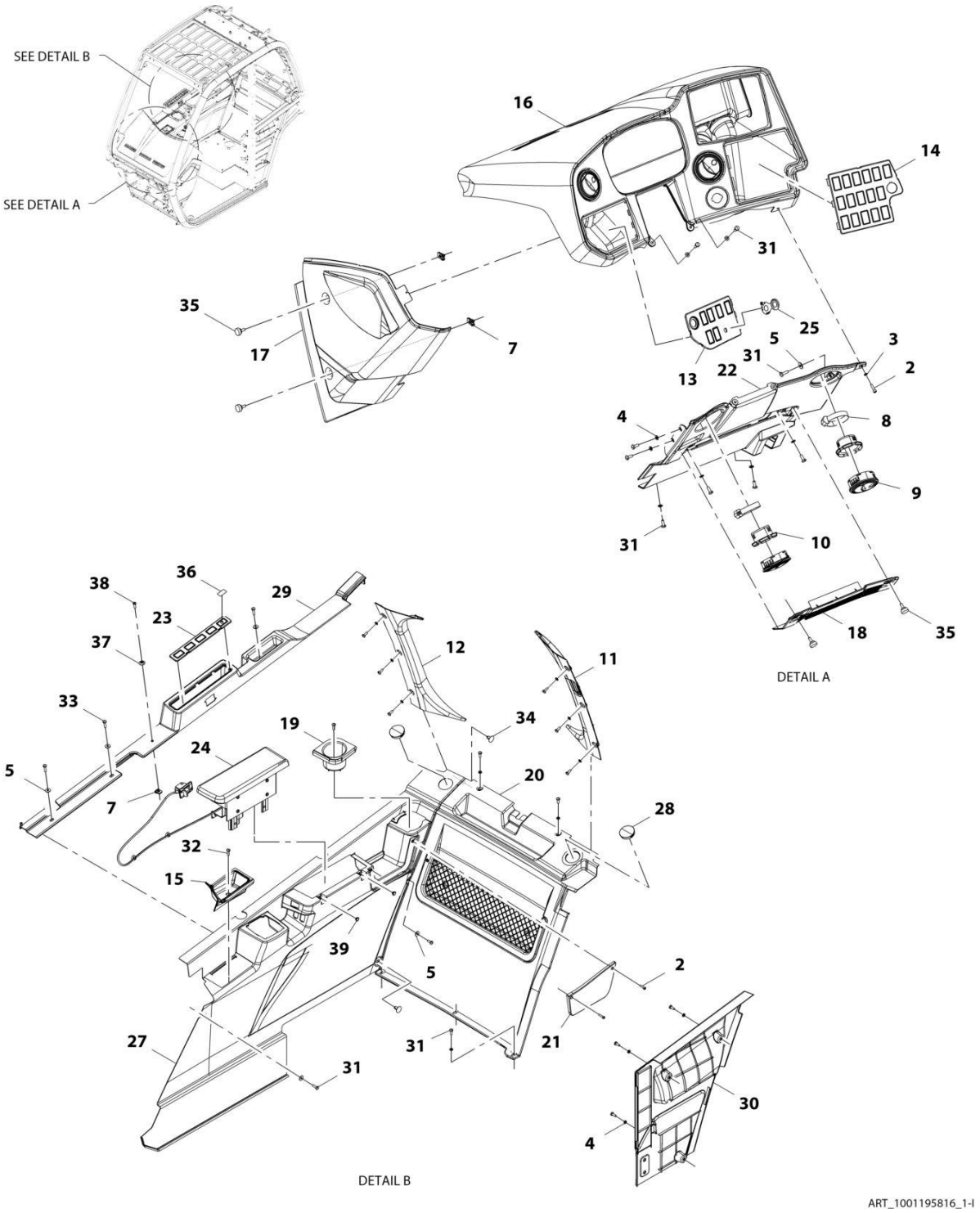


FIGURE 6-54. HEADLINER/RADIO READY PACKAGE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195821	Ref	Headliner/Radio Ready Package Installation	B
1	1001200968	1	Plate	
2	4811700	6	Washer, 6M	
3	7029486	4	Screw	
4	8005901	1	Antenna	
5	1001116128	AR	Sealant, Polysiloxane	
6	1001167015	1	Lamp	
7	1001195823	1	Cover, Headliner	
8	4010610002	6	Screw, M6X20	

FIGURE 6-55. CAB TRIM INSTALLATION



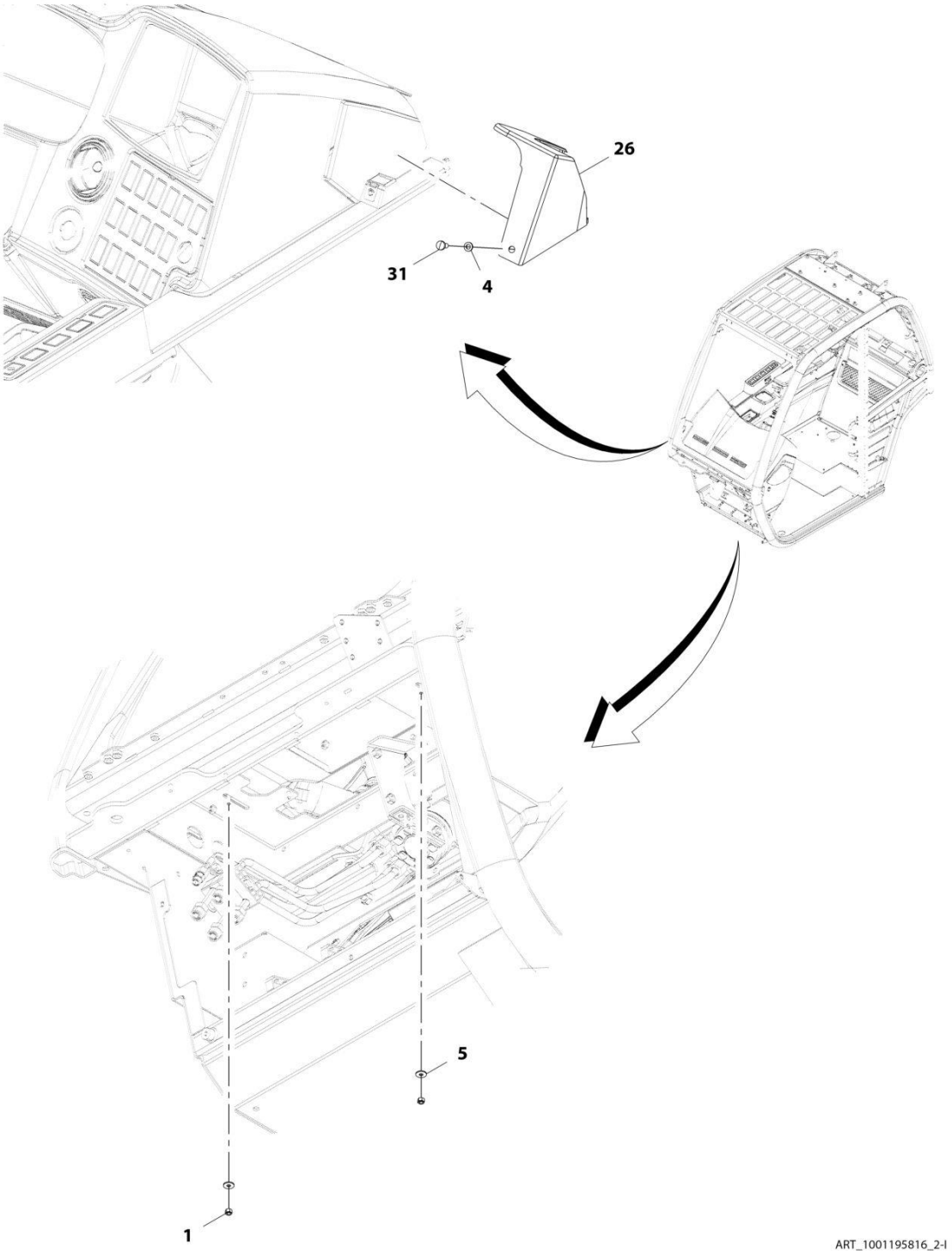

26
31
4
5
1
ART_1001195816_2-I

FIGURE 6-55. CAB TRIM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195816	Ref	Cab Trim Installation	I
1	3290605	2	Nut, Lock M6X1	
2	4031608001	3	Screw, M5X20	
3	4811600	1	Washer, M5	
4	4811700001	23	Washer, M6	
5	4811702001	7	Washer, M6	
7	8305919	2	Nut, M6	
8	8405201	2	Clamp	
9	1001147449	2	Vent	
10	1001149278	2	Connector, Vent	
11	1001161252	1	Cover, LH C-Post	
12	1001161253	1	Cover, RH C-Post	
13	1001219864	1	Plate, Switch	
14	1001219865	1	Plate, Switch	
15	1001169603	1	Tray	
16	1001169604	1	Assembly, Dash Cover (See Separate Breakdown in this Section)	
17	1001161855	1	Cover, Side Dash	
18	1001170504	1	Cover, Recirculation Grille	
19	1001170518	1	Holder, Cup	
20	1001170519	1	Assembly, Rear Panel Cover (See Separate Breakdown in this Section)	
21	1001173965	1	Bezel, Net	
22	1001175903	1	Cover, Lower Dash	
23	1001219863	1	Plate, Switch	
24	1001181726	1	Installation, Armrest (See Separate Breakdown in this Section)	
25	1001184975	1	Decal, HVAC	
26	1001185870	1	Cover, Lower A-Post	
27	1001189182	1	Cover, RH Side	
28	1001223265	2	Grommet	
29	1001195817	1	Cover, RH Extension	
30	1001195818	1	Panel, LH Side	
31	4010608002	26	Screw, M6X16	
32	4010610002	1	Screw, M6X20	
33	4010612002	3	Screw, M6X25	
34	1001211907	2	Screw	
35	1001208308	4	Thumb Screw, M6X15	
36	1001226481	1	Decal, Blank	
37	1001098150	1	Washer, M6	
38	1001132564	1	Screw, M6X20	
39	1001227133	2	Grommet	

FIGURE 6-56. DASH COVER ASSEMBLY

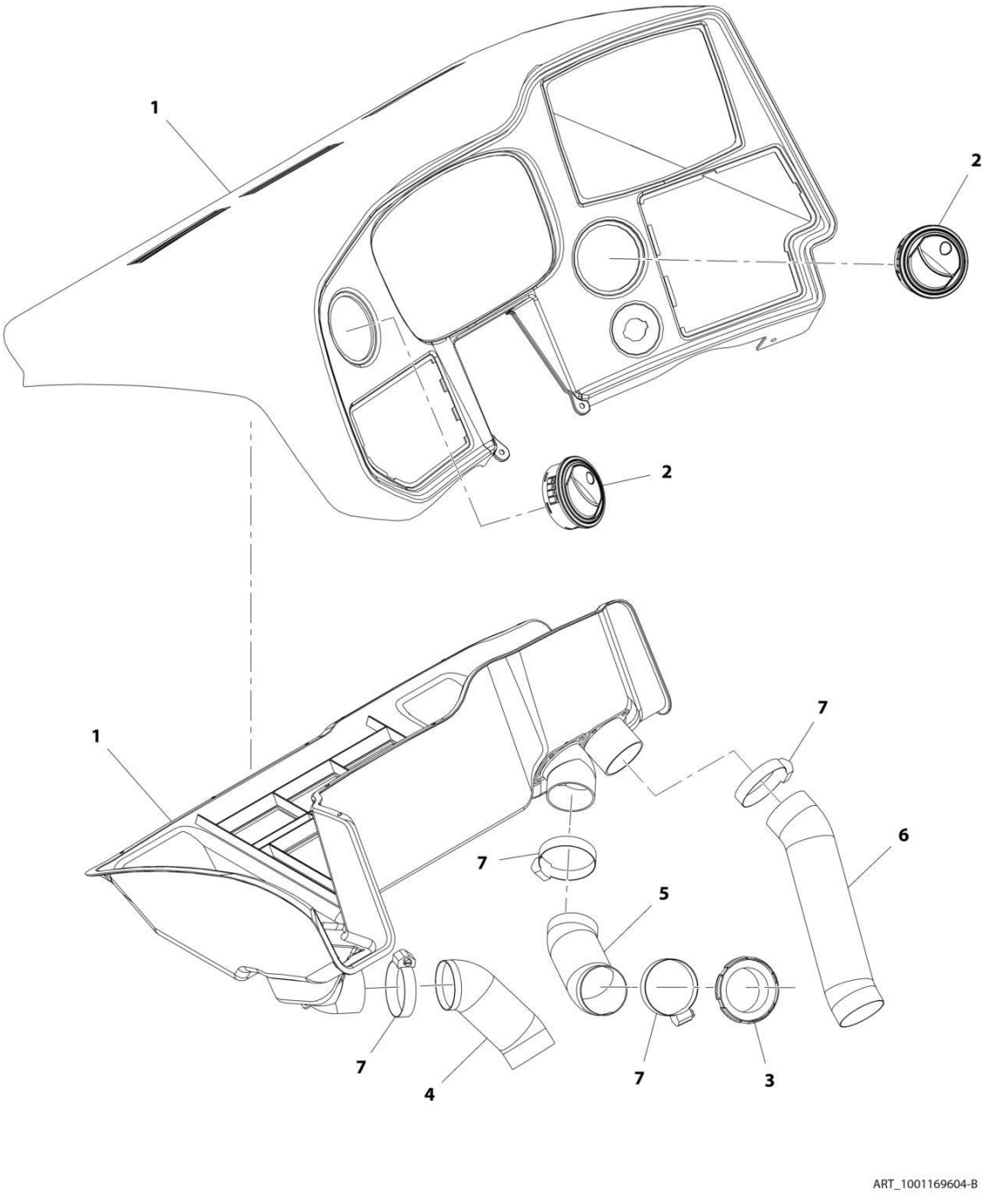


FIGURE 6-56. DASH COVER ASSEMBLY

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 6-57. REAR PANEL COVER ASSEMBLY

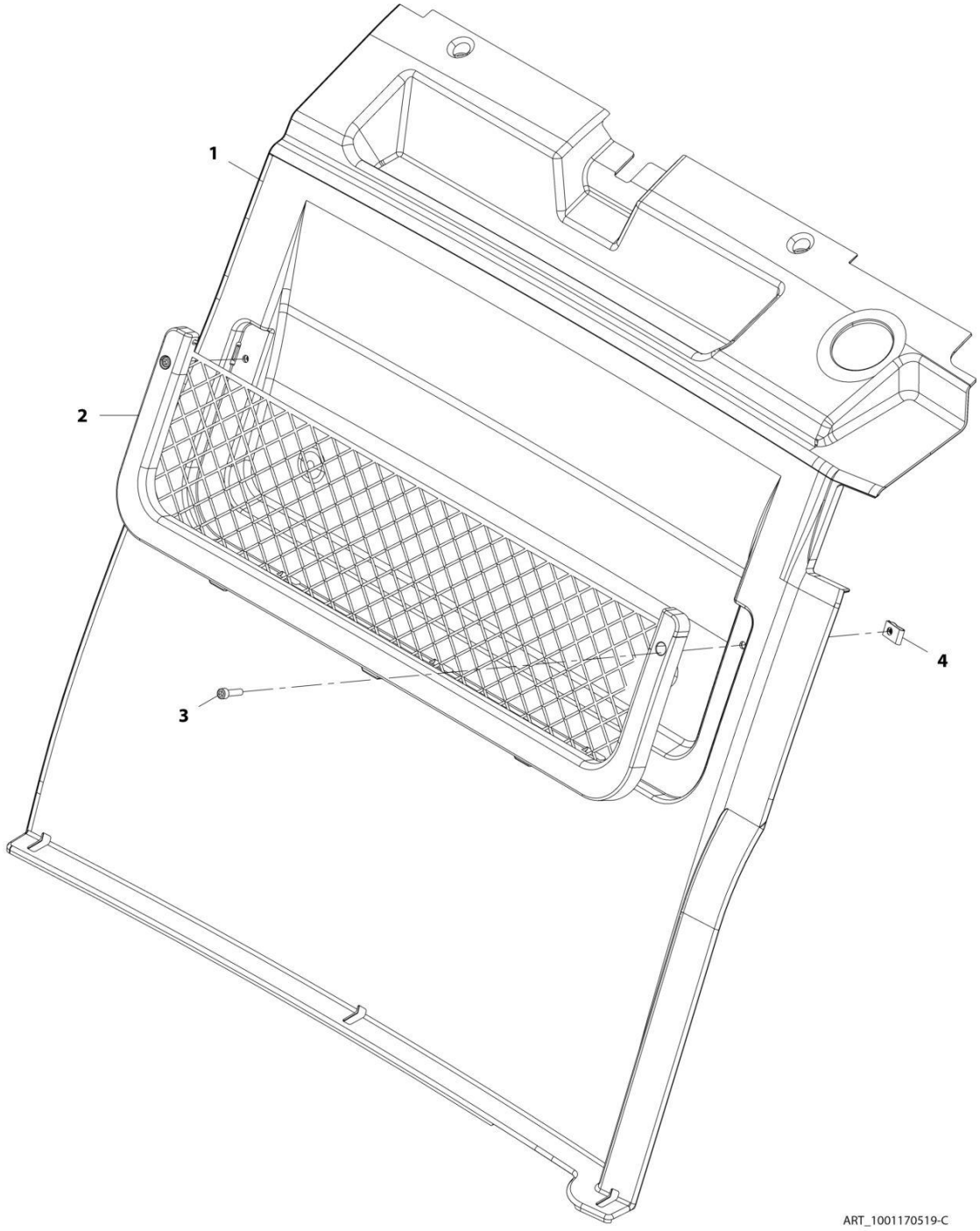


FIGURE 6-57. REAR PANEL COVER ASSEMBLY

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 6-58. ADJUSTABLE ARMREST INSTALLATION

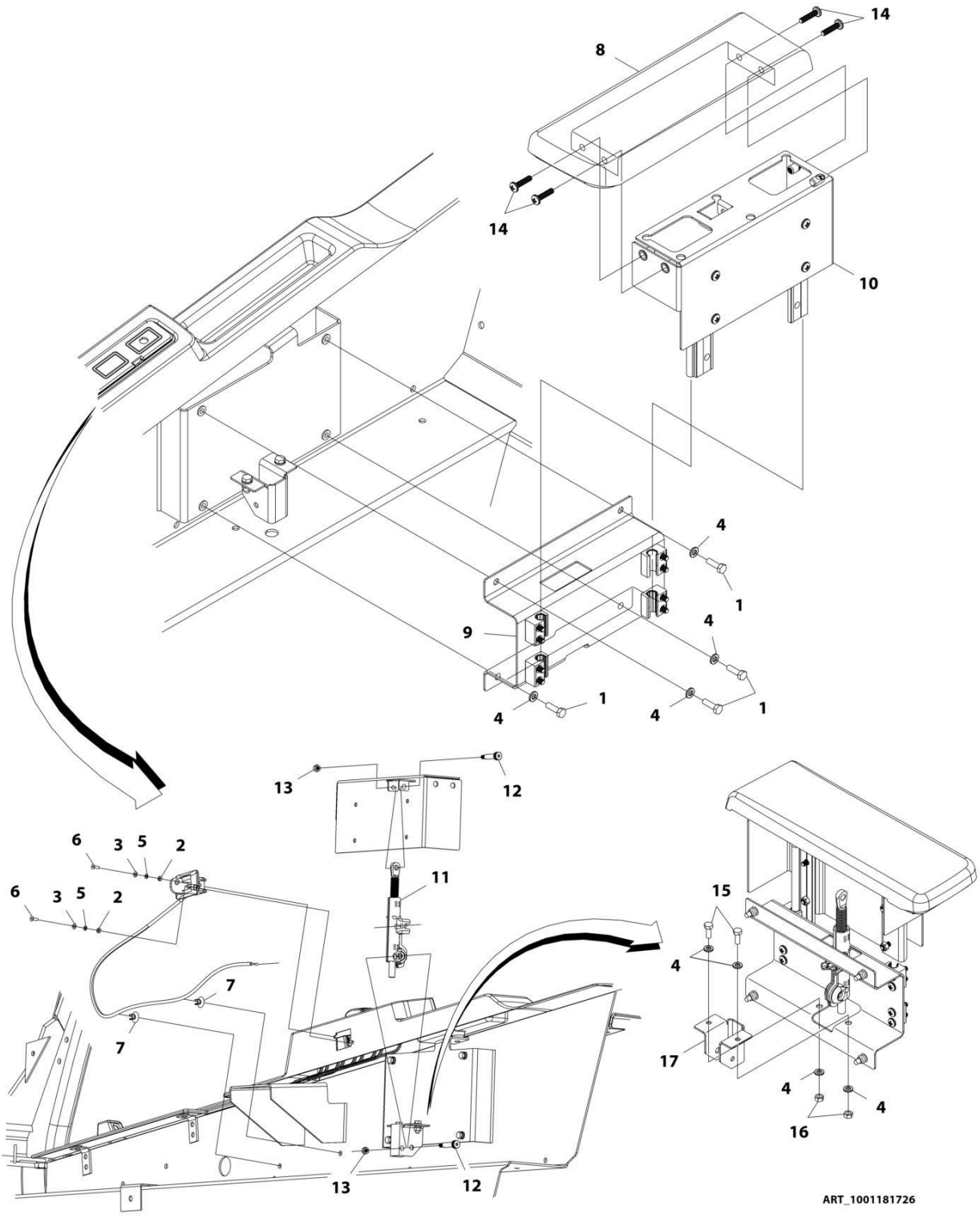


FIGURE 6-58. ADJUSTABLE ARMREST INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181726	Ref	Adjustable Armrest Installation	F
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	4	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	1001191285	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 6-59. ROOF CAP INSTALLATION (NO A/C)

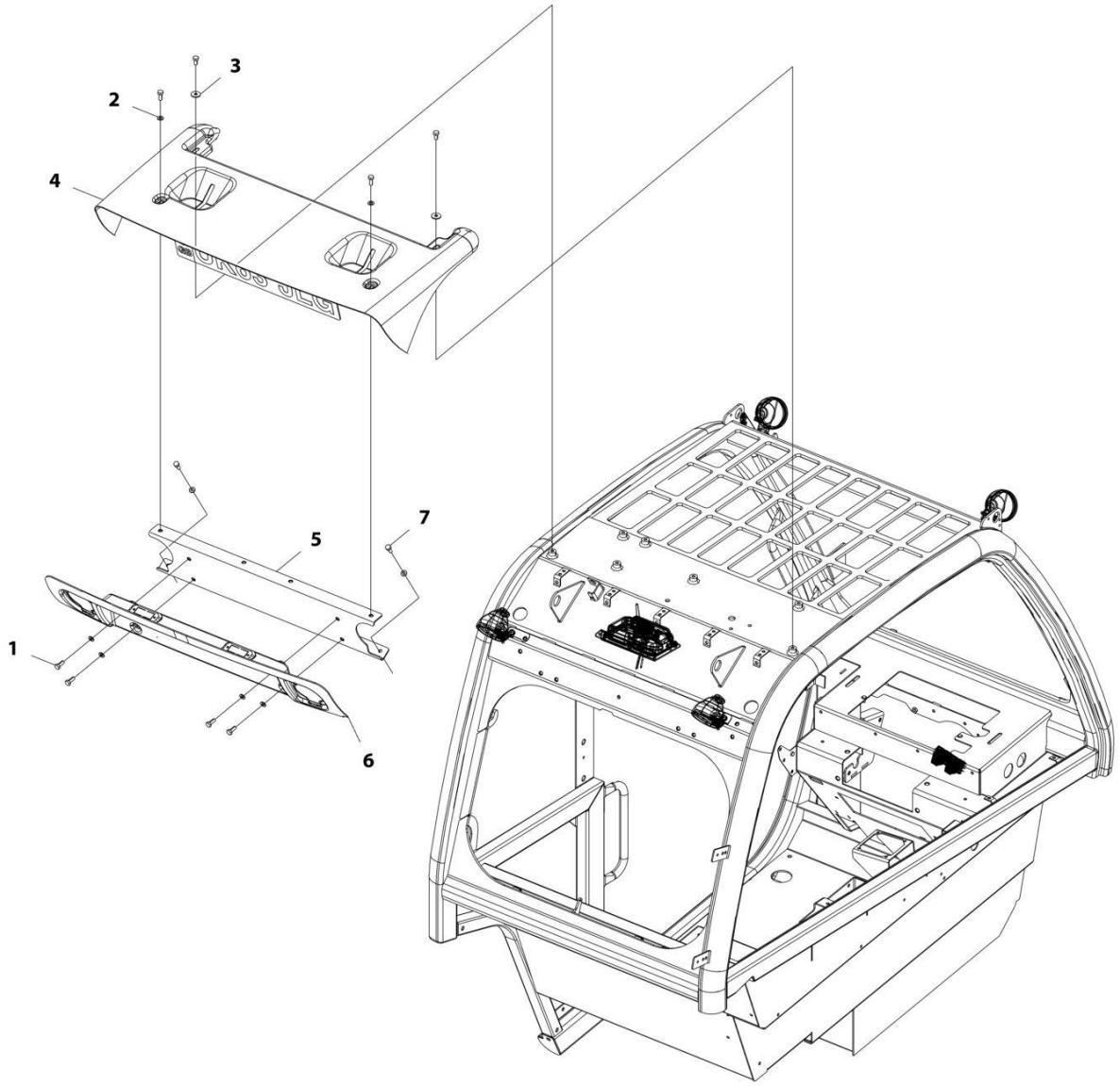


FIGURE 6-59. ROOF CAP INSTALLATION (NO A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216265	Ref	Roof Cap Installation (No A/C)	B
1	0760810	8	Bolt, M8X20	
2	4811900	8	Washer, M8	
3	4811902	2	Washer, M8	
4	1001182330	1	Cover, Short Upper Roof Cap	
5	1001185633	1	Bracket, Roof Cap Mount	
6	1001216270	1	Cover, Short Lower Roof Cap	
7	0760808	2	Bolt, M8X16	

FIGURE 6-60. ROOF CAP INSTALLATION (A/C)

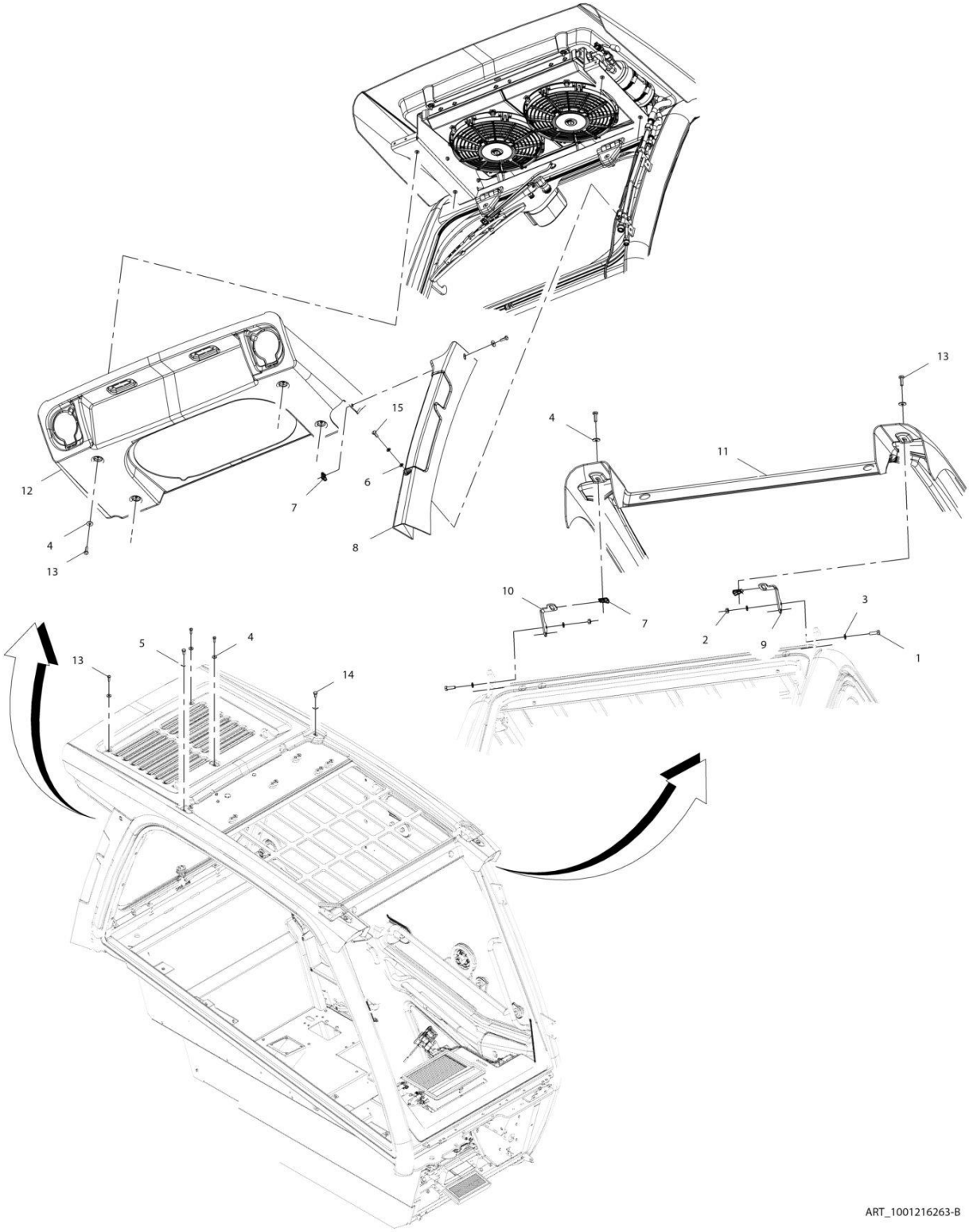
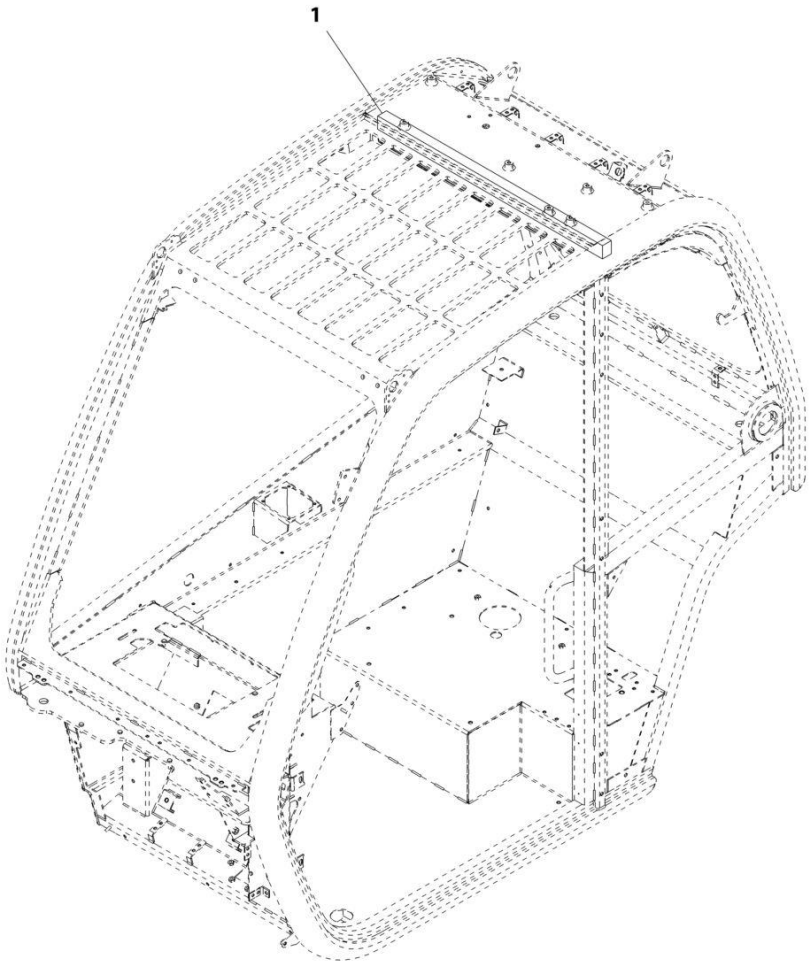


FIGURE 6-60. ROOF CAP INSTALLATION (A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216263	Ref	Roof Cap (A/C) Installation	B
1	0700610	4	Bolt, M6X20	
2	3290601	4	Nut, M6X1	
3	4811700	9	Washer, M6	
4	4811702	10	Washer, M6	
5	4811902	2	Washer, M8	
6	4831700	1	Washer, Lock M6	
7	8305919	3	Nut, M6	
8	1001174741	1	Cover	
9	1001174800	1	Bracket	
10	1001174801	1	Bracket	
11	1001216267	1	Cover, Upper Roof Cap	
12	1001216269	1	Cover, Lower Roof Cap	
13	4010610002	10	Screw, Posi-Drive M6X20	
14	0760808	2	Bolt, M8X16	
15	4010608002	1	Screw, M6X16	

FIGURE 6-61. NO SUNSCREEN INSTALLATION



ART_1001211041-A

FIGURE 6-61. NO SUNSCREEN INSTALLATION

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

FIGURE 6-62. RETRACTABLE SUNSCREEN INSTALLATION

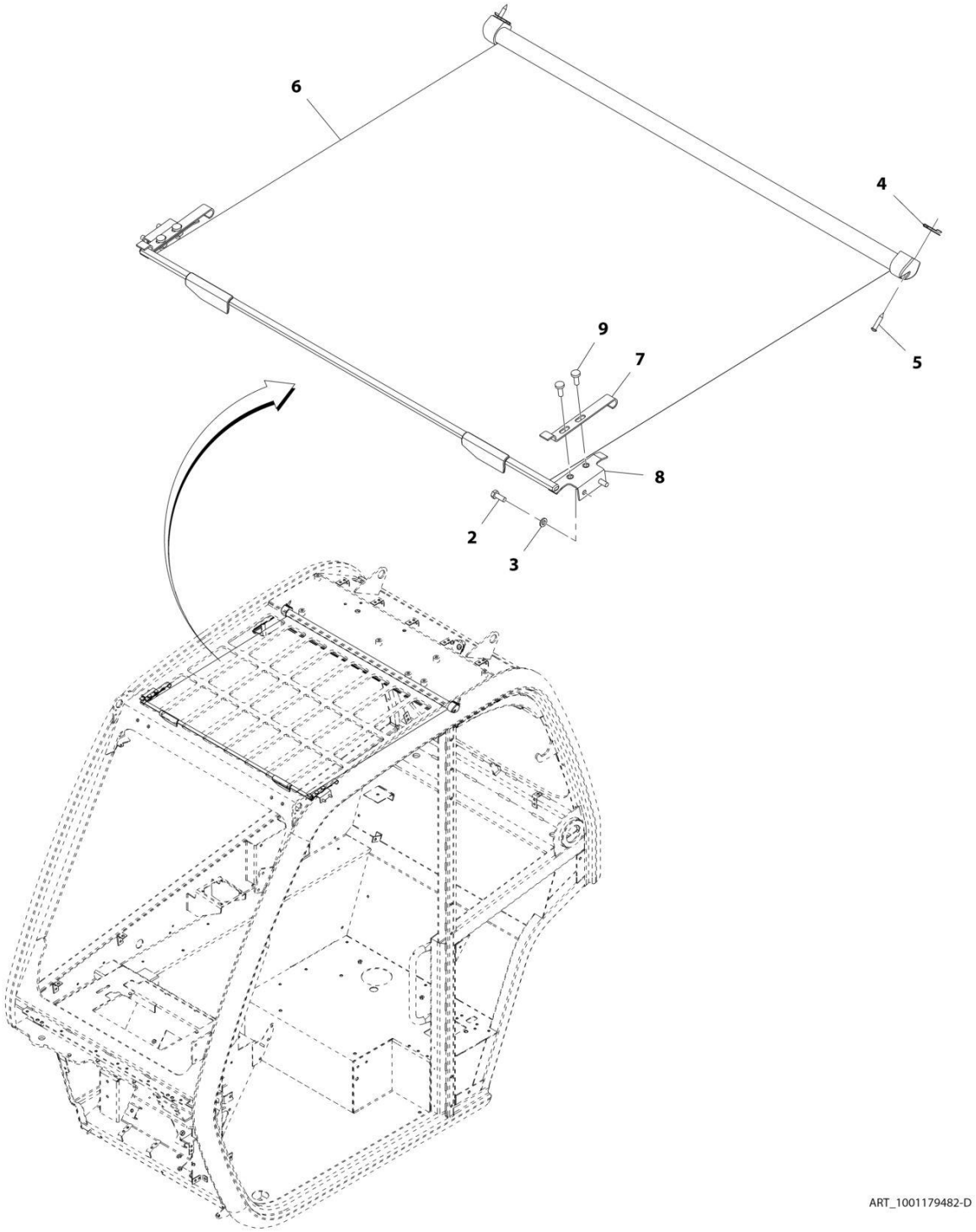
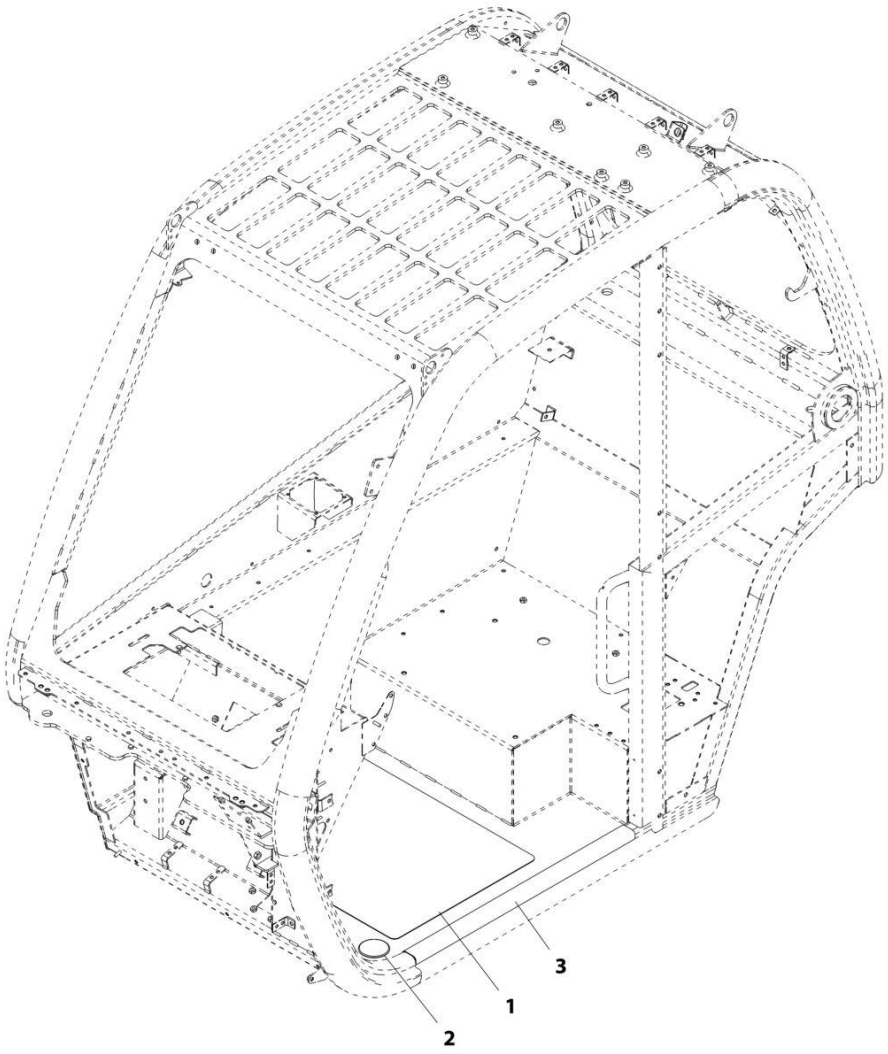


FIGURE 6-62. RETRACTABLE SUNSCREEN INSTALLATION

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 6-63. NON SKID TAPE INSTALLATION



ART_1001197219-B

FIGURE 6-63. NON SKID TAPE INSTALLATION

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

FIGURE 6-64. FLOOR MAT INSTALLATION

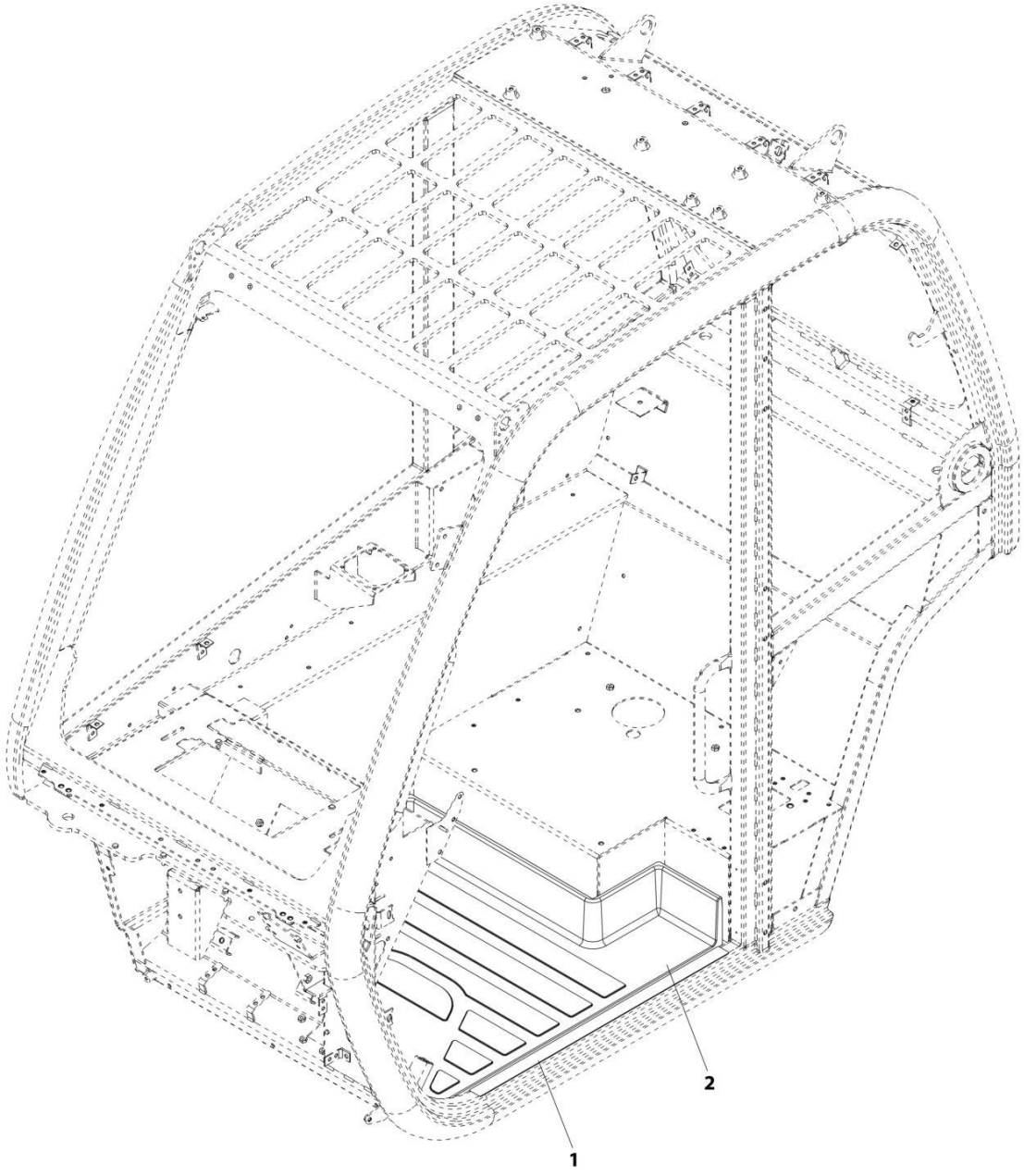


FIGURE 6-64. FLOOR MAT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255273	Ref	Floor Mat Installation	B
1	1001197259	1	Tape, Non Skid Frame	
2	1001255131	1	Floor Mat, Cab	

FIGURE 6-65. SEAT BELT INSTALLATION (3IN)

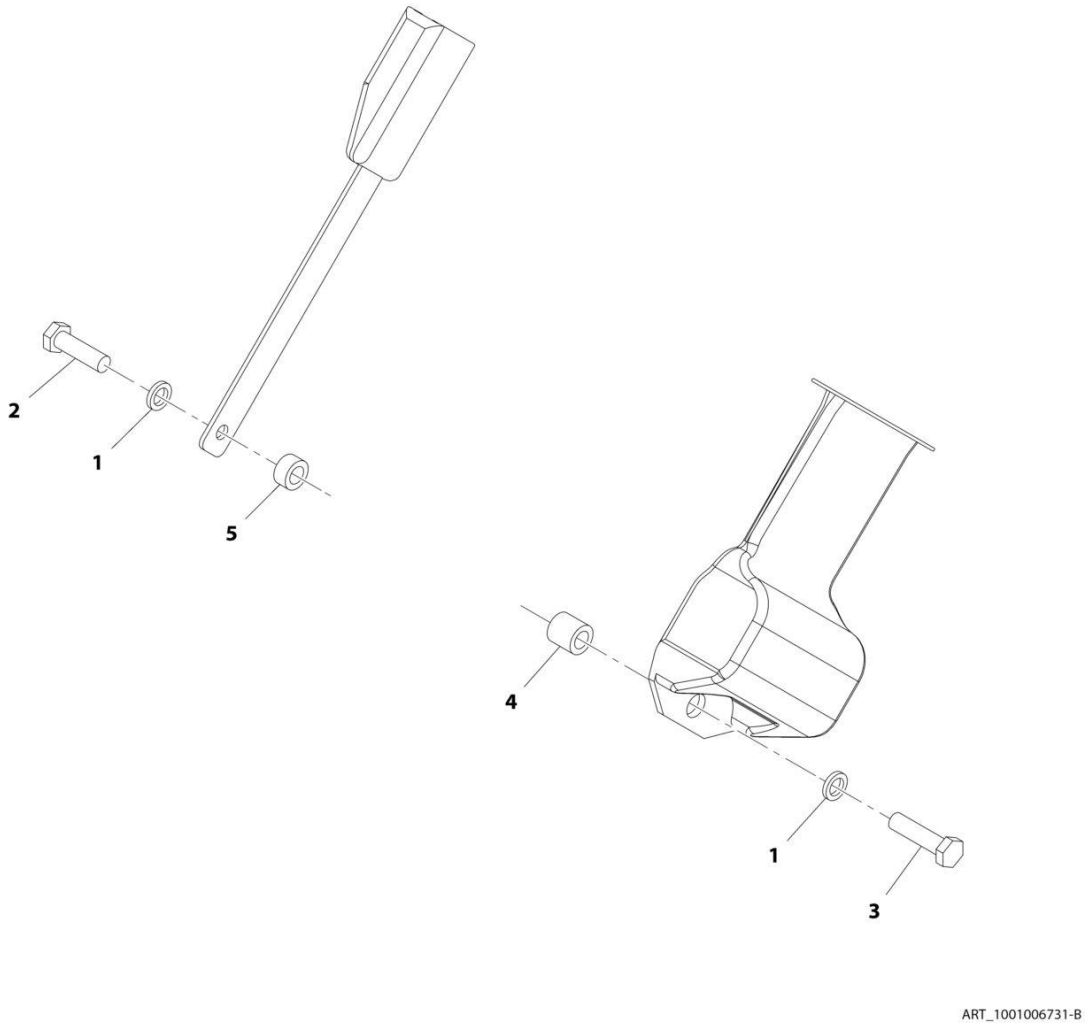


FIGURE 6-65. SEAT BELT INSTALLATION (3IN)

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 6-66. SEAT BELT INSTALLATION (2IN)

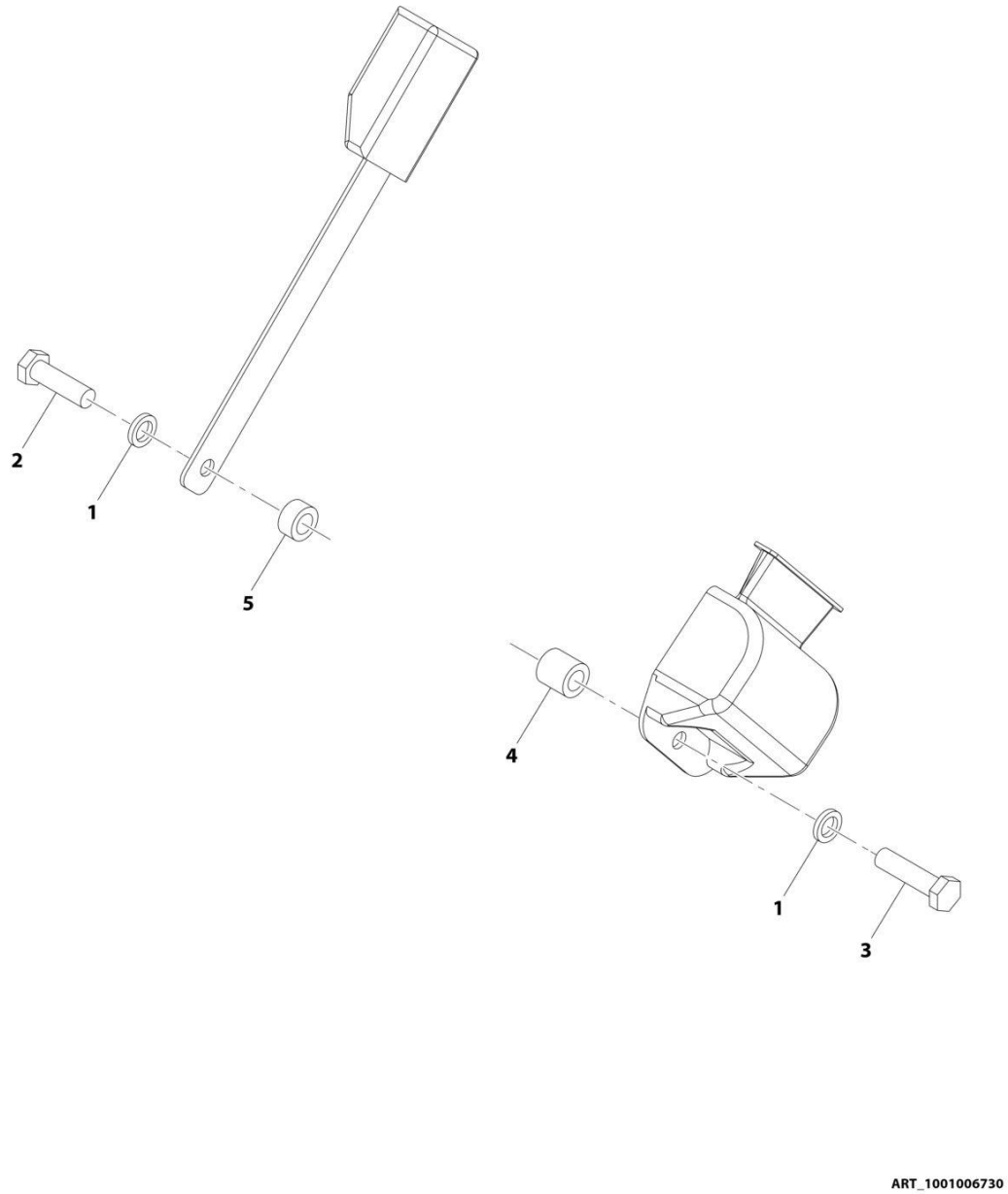


FIGURE 6-66. SEAT BELT INSTALLATION (2IN)

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 6-67. ENCLOSED CAB FRONT COVER INSTALLATION

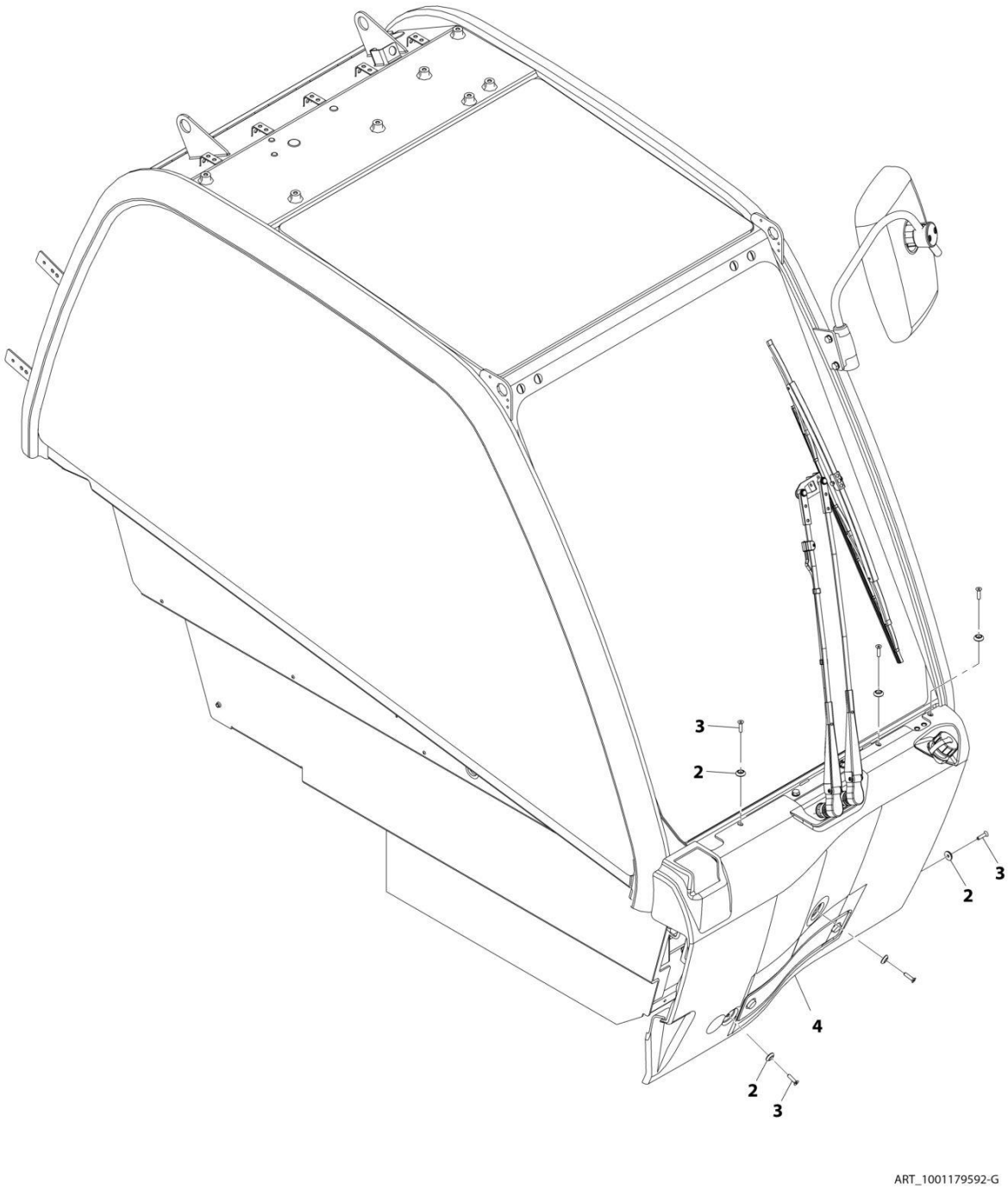


FIGURE 6-67. ENCLOSED CAB FRONT COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179592	Ref	Enclosed Cab Front Cover Installation	G
2	1001097540	6	Washer, M6	
3	3900379	6	Screw, M6-1X25 Grade 10.9	
4	1001170325	1	Cover, Front	

FIGURE 6-68. CAB GUARD INSTALLATION (TOP)

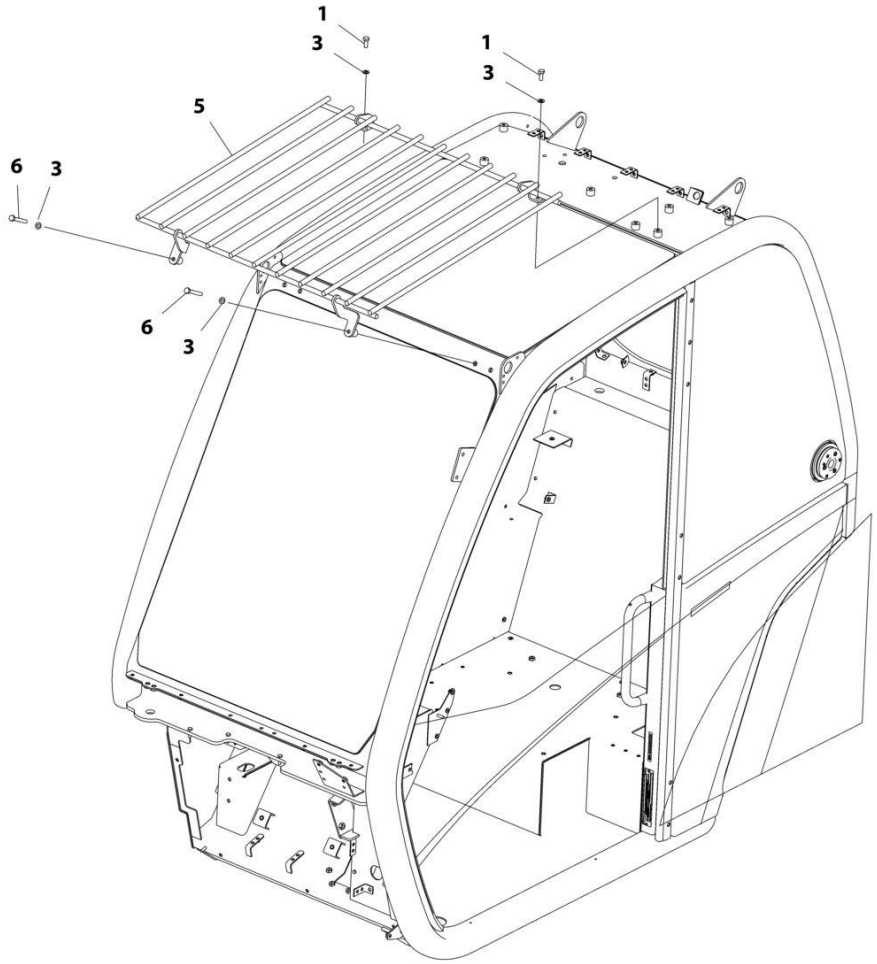


FIGURE 6-68. CAB GUARD INSTALLATION (TOP)

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

FIGURE 6-69. CAB GUARD INSTALLATION (FRONT)

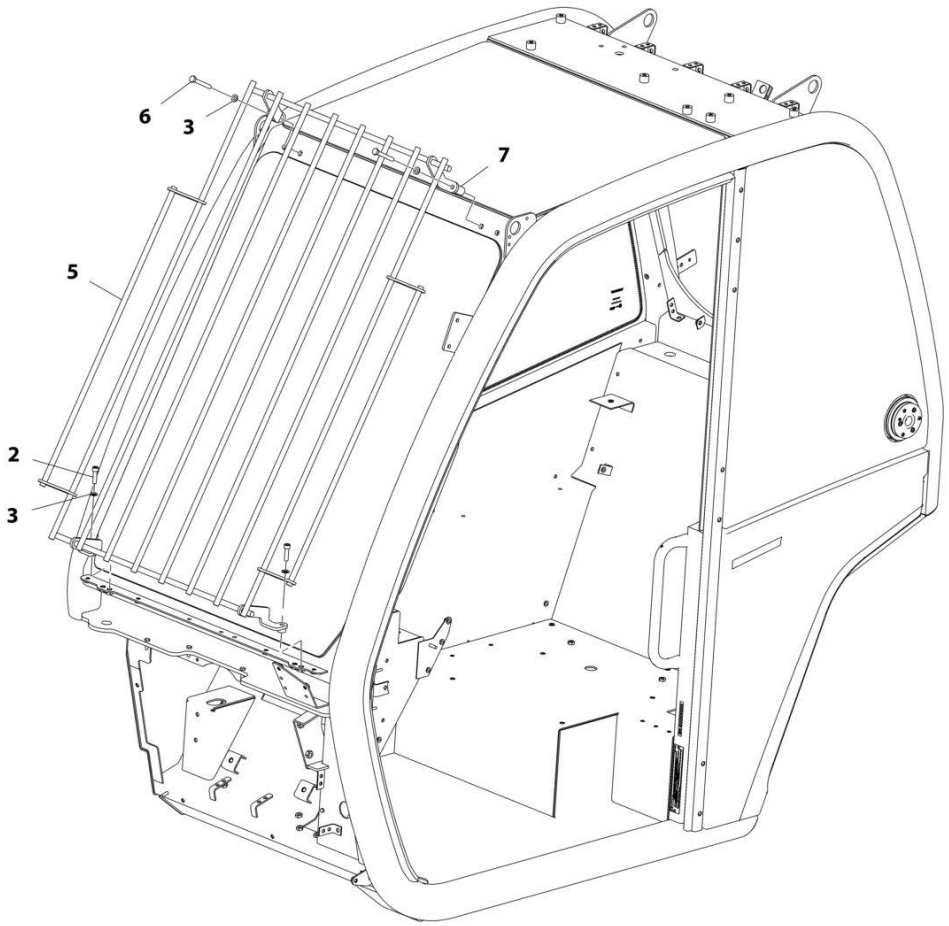


FIGURE 6-69. CAB GUARD INSTALLATION (FRONT)

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

FIGURE 6-70. CAB GUARD INSTALLATION (TOP AND FRONT)

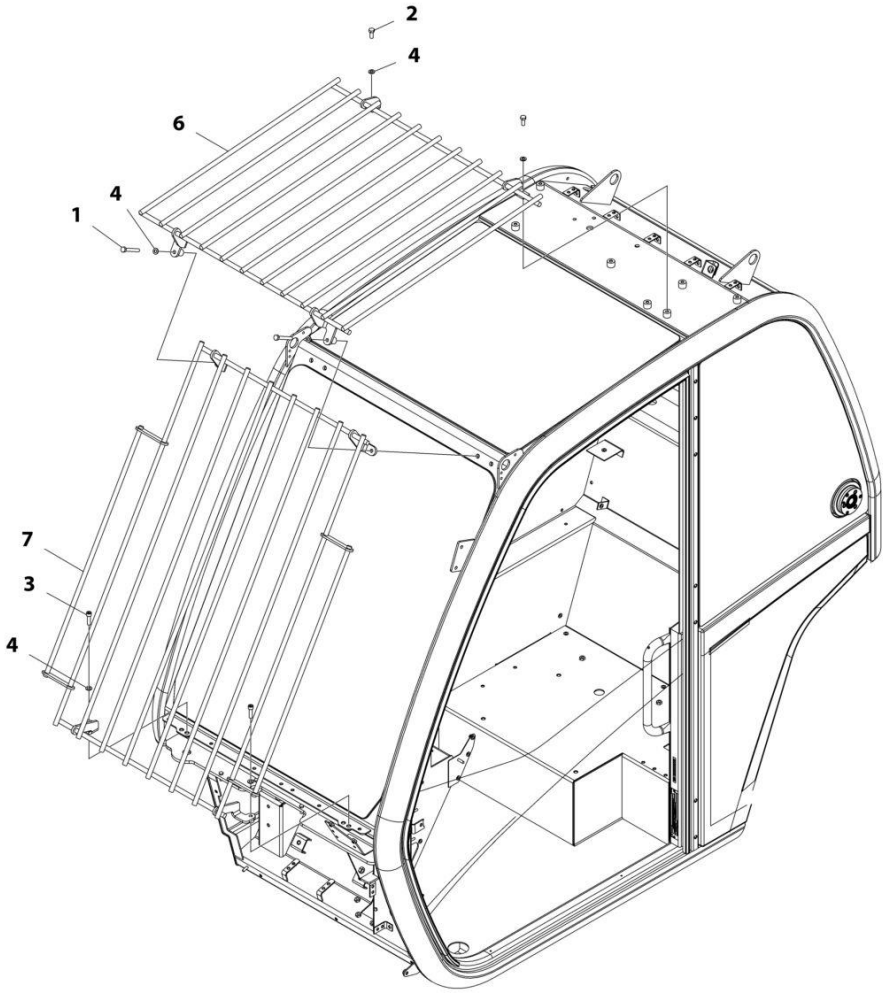
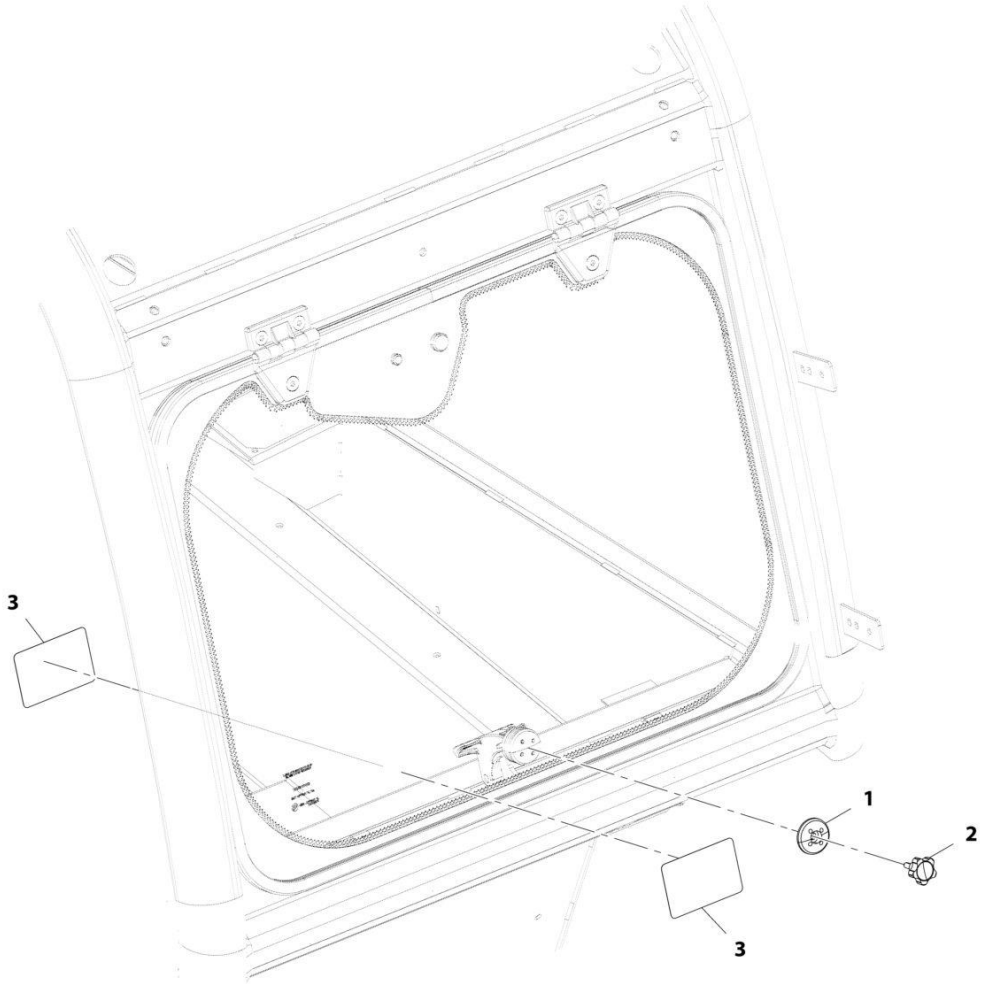


FIGURE 6-70. CAB GUARD INSTALLATION (TOP AND FRONT)

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 6-71. EXTERNAL WINDOW RELEASE INSTALLATION (CAN & ISO)



ART_1001178826-C

FIGURE 6-71. EXTERNAL WINDOW RELEASE INSTALLATION (CAN & ISO)

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

FIGURE 6-72. ARMREST

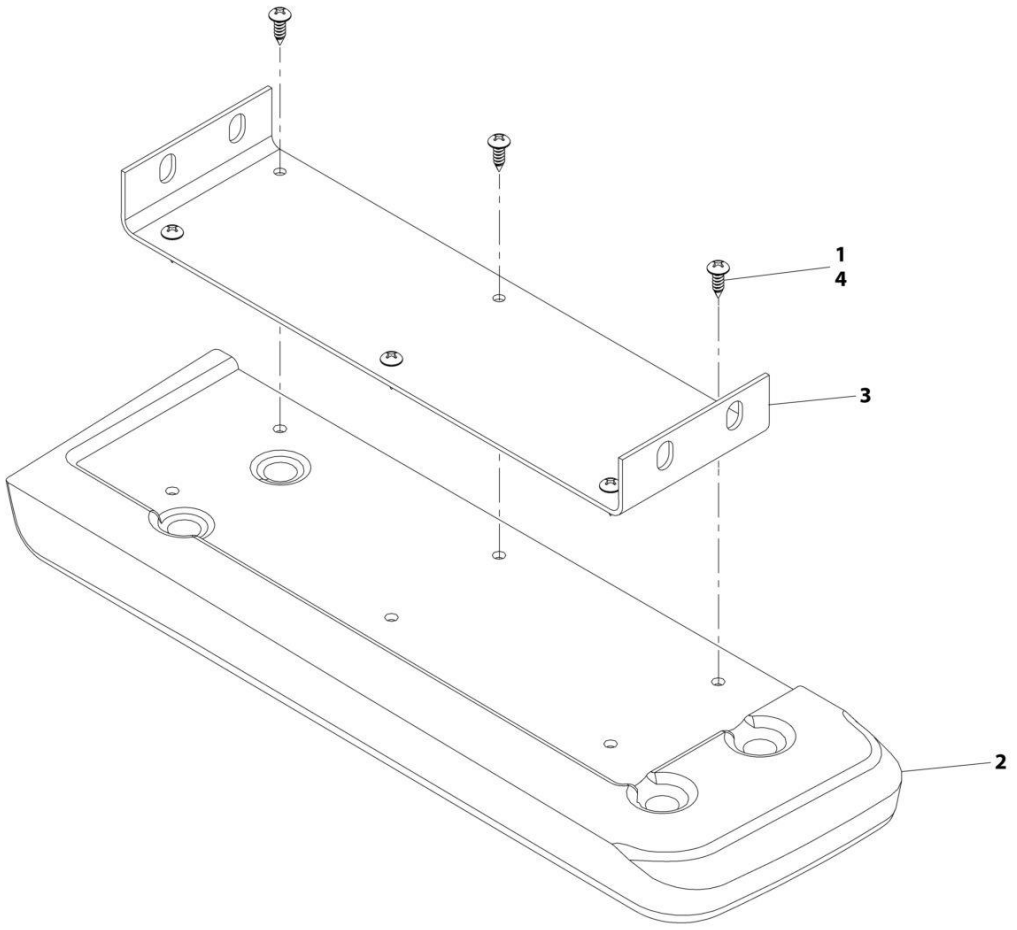
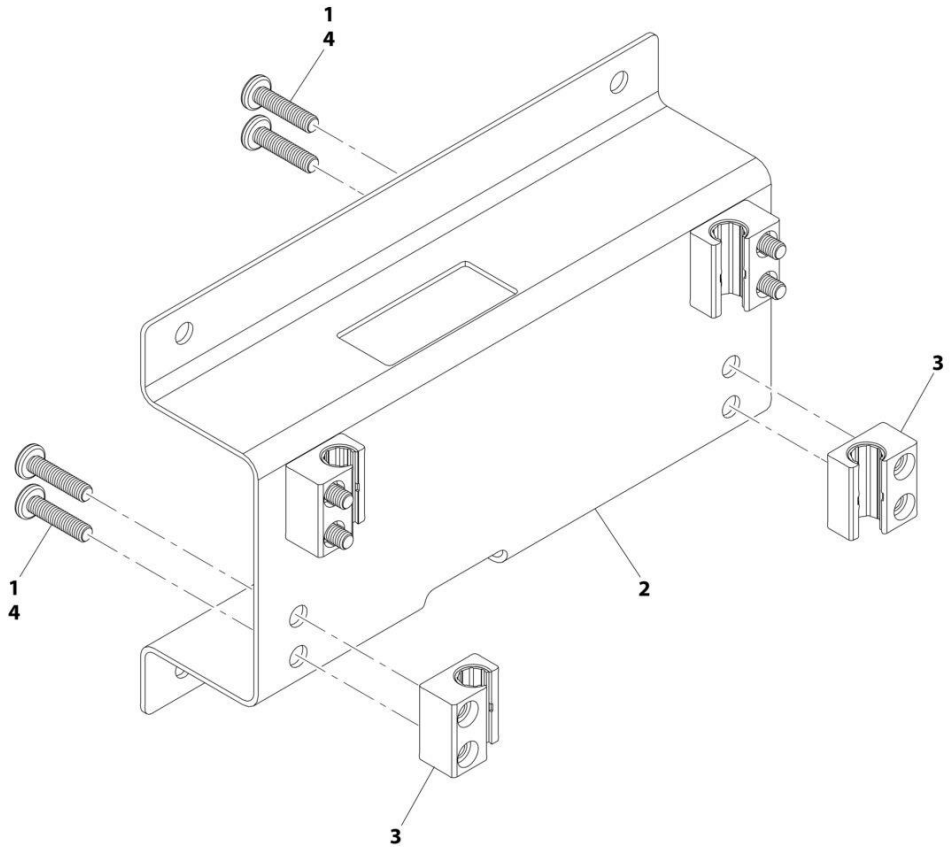


FIGURE 6-72. ARMREST

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 6-73. FIXED ARMREST BRACKET



ART_1001191283-B

FIGURE 6-73. 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 6-74. MOVING ARMREST BRACKET

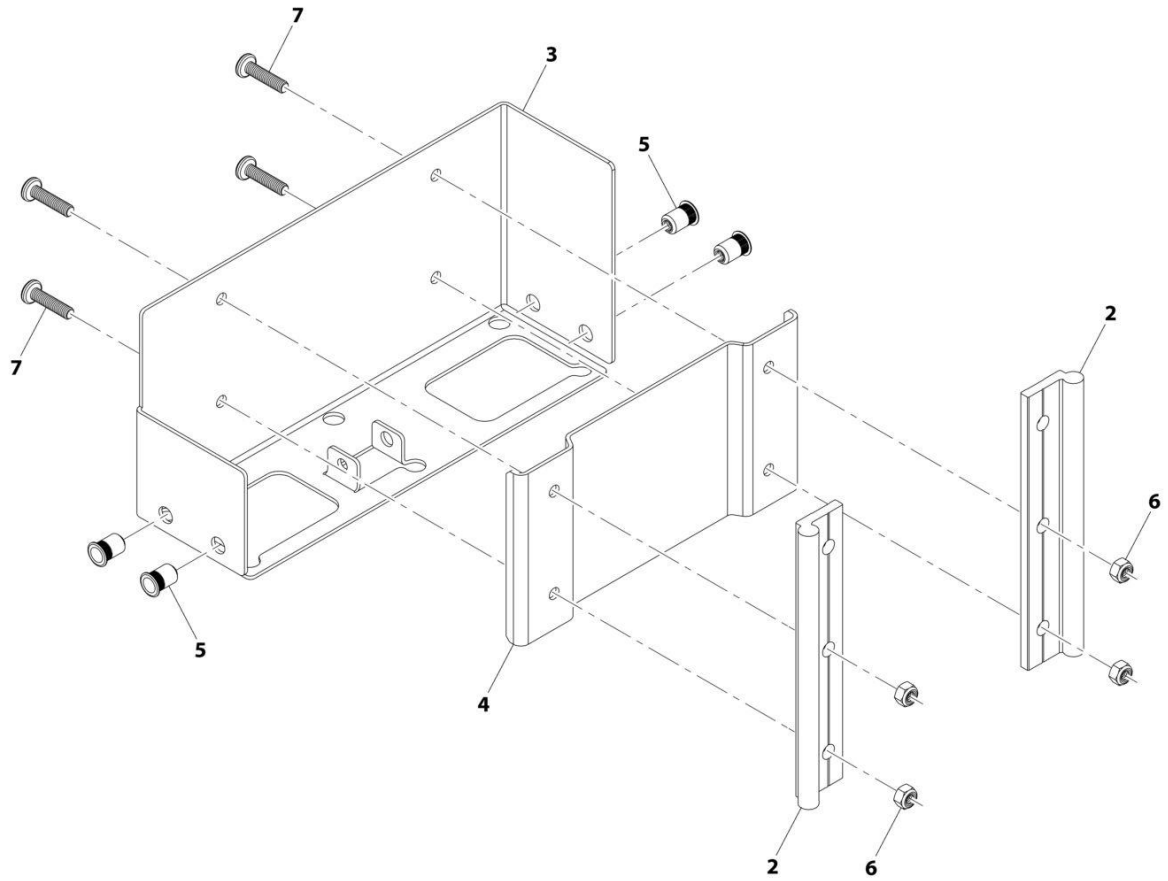


FIGURE 6-74. MOVING ARMREST BRACKET

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	

SECTION 7 - CONTROLS

FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION

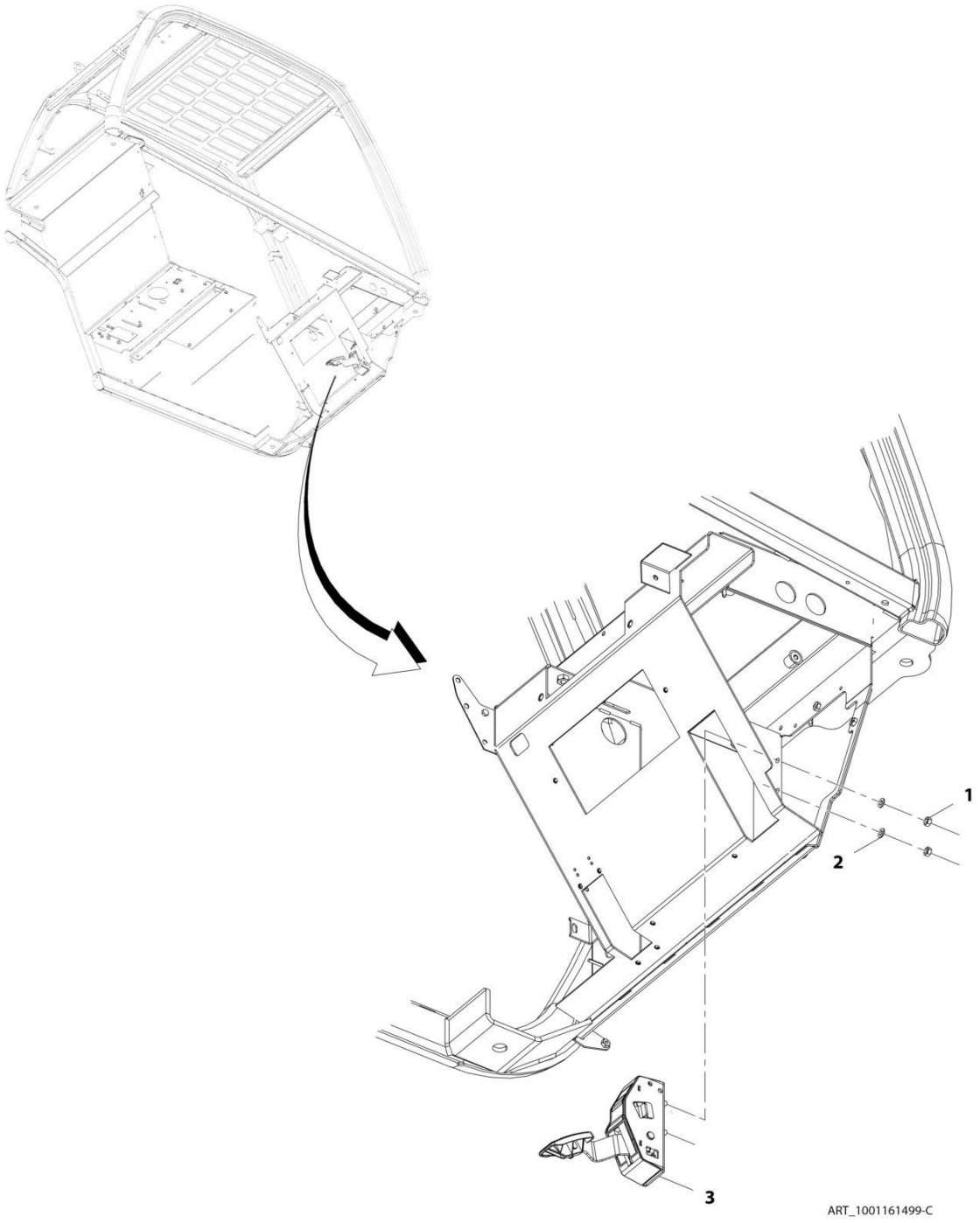


FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION

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

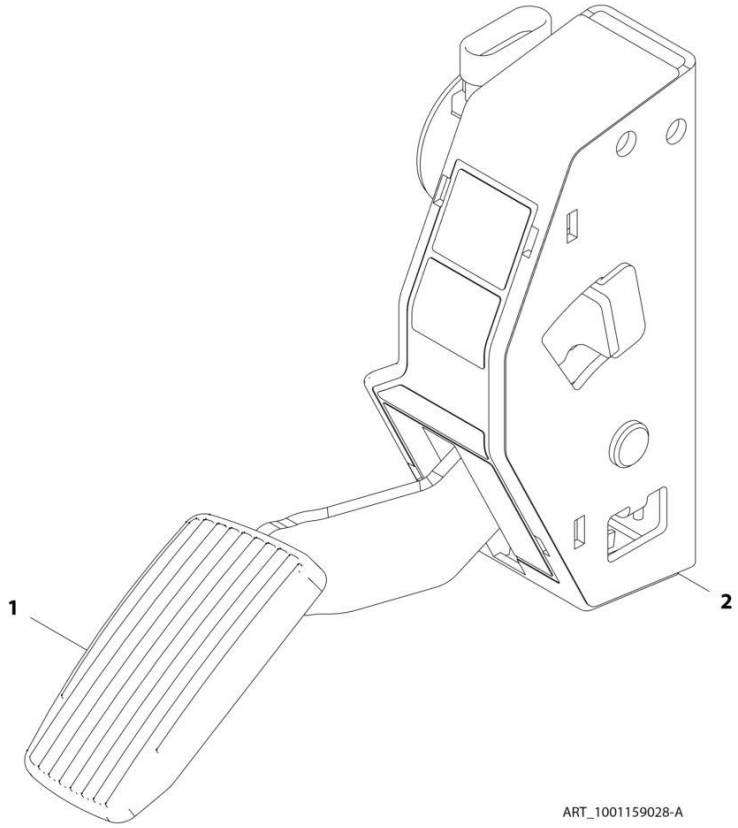


FIGURE 7-2. ACCELERATOR PEDAL

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

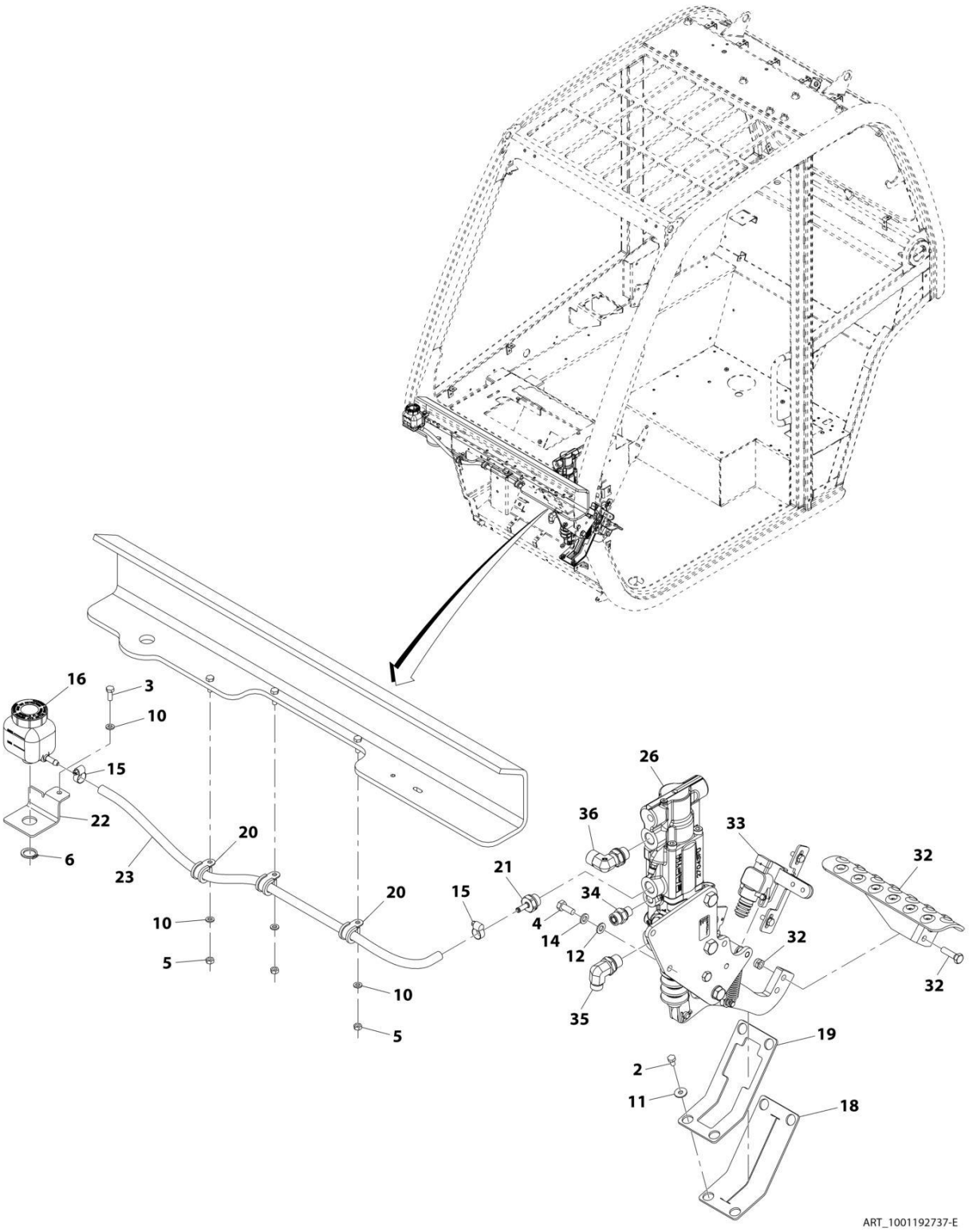


FIGURE 7-3. BRAKE PEDAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192737	Ref	Brake Pedal Installation	E
2	0760605	4	Bolt, M6X10	
3	0760608	1	Bolt, M6X16	
4	0760810	3	Bolt, M8X20	
5	3290601	3	Nut, M6X1	
6	3760348	1	Ring, Retaining	
10	4811700	4	Washer, M6	
11	4811702	4	Washer, M6	
12	4811900	3	Washer, M8	
14	4831900	3	Washer, Lock M8	
15	8405009	2	Clamp	
16	1001214220	1	Reservoir, Brake	
18	1001162920	1	Seal	
19	1001162922	1	Plate	
20	1001170231	3	Clip	
21	1001171874	1	Fitting, Straight	
22	1001172088	1	Bracket	
23	1001172094	1	Hose	
26	1001213265	1	Assembly, Brake Pedal (See Separate Breakdown in this Section)	
32	1001197139	1	Plate, Brake Pedal	
33	1001205061	Ref	Installation, Brake Sensor (See Separate Breakdown in this Section)	
34	80233218	1	Fitting, Straight ORFS	
35	80333151	1	Fitting, 90 ORFS	
36	1001168054	1	Fitting, 90 ORFS	

FIGURE 7-4. BRAKE PEDAL ASSEMBLY

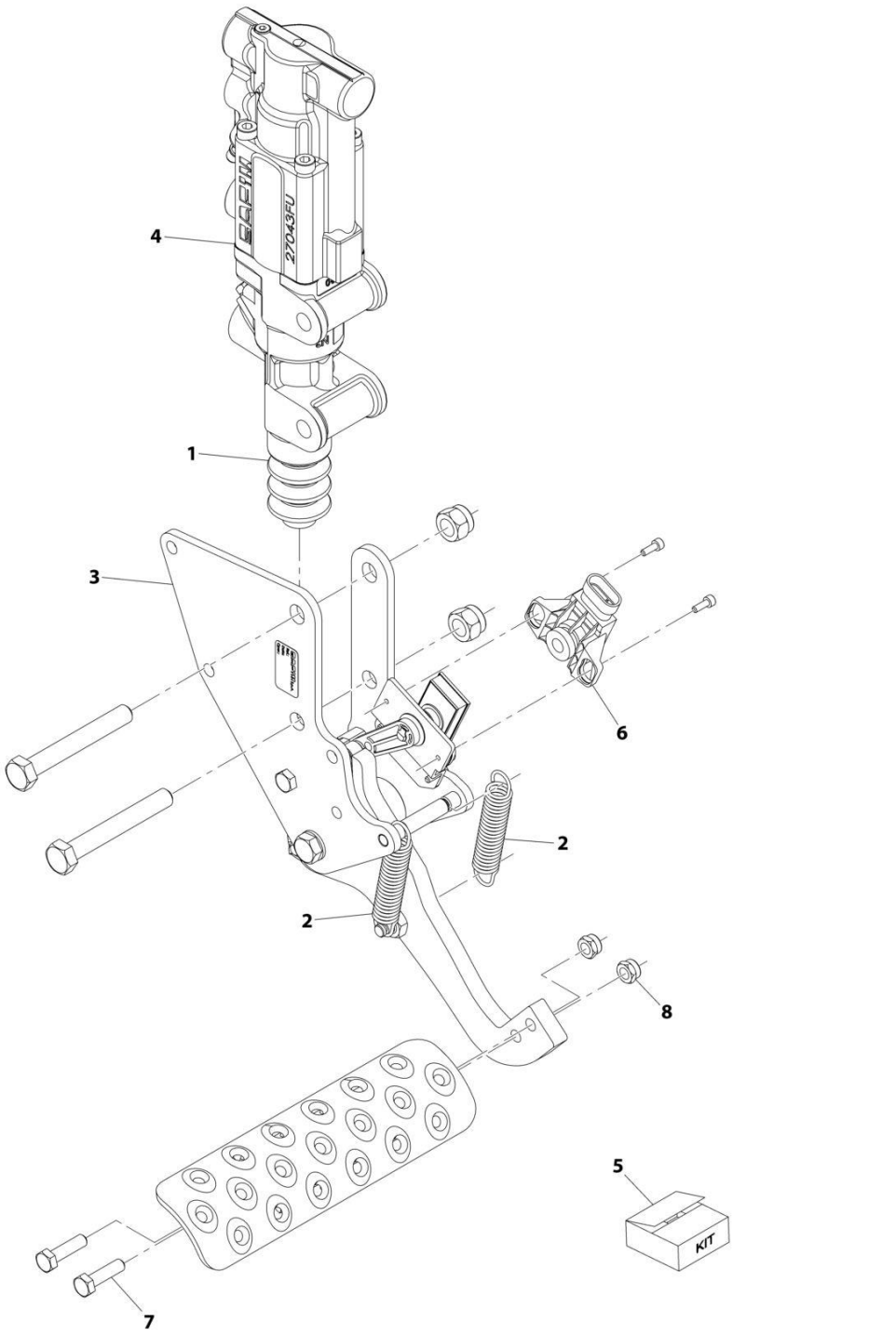


FIGURE 7-4. BRAKE PEDAL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213265	Ref	Brake Pedal Assembly	A
1	70025859	1	Cover, Dust	
2	70025860	2	Spring, Return	
3	70028381	1	Support, Pedal	
4	70028382	1	Cylinder, Master	
5	70026434	1	Kit, Seal	
6	70028383	1	Sensor, Angle	
7	0770814	2	Bolt, M8X30 Grade 10.9	
8	3290805	2	Nut, Lock M8X1.25 Grade 8	

FIGURE 7-5. BRAKE SENSOR INSTALLATION

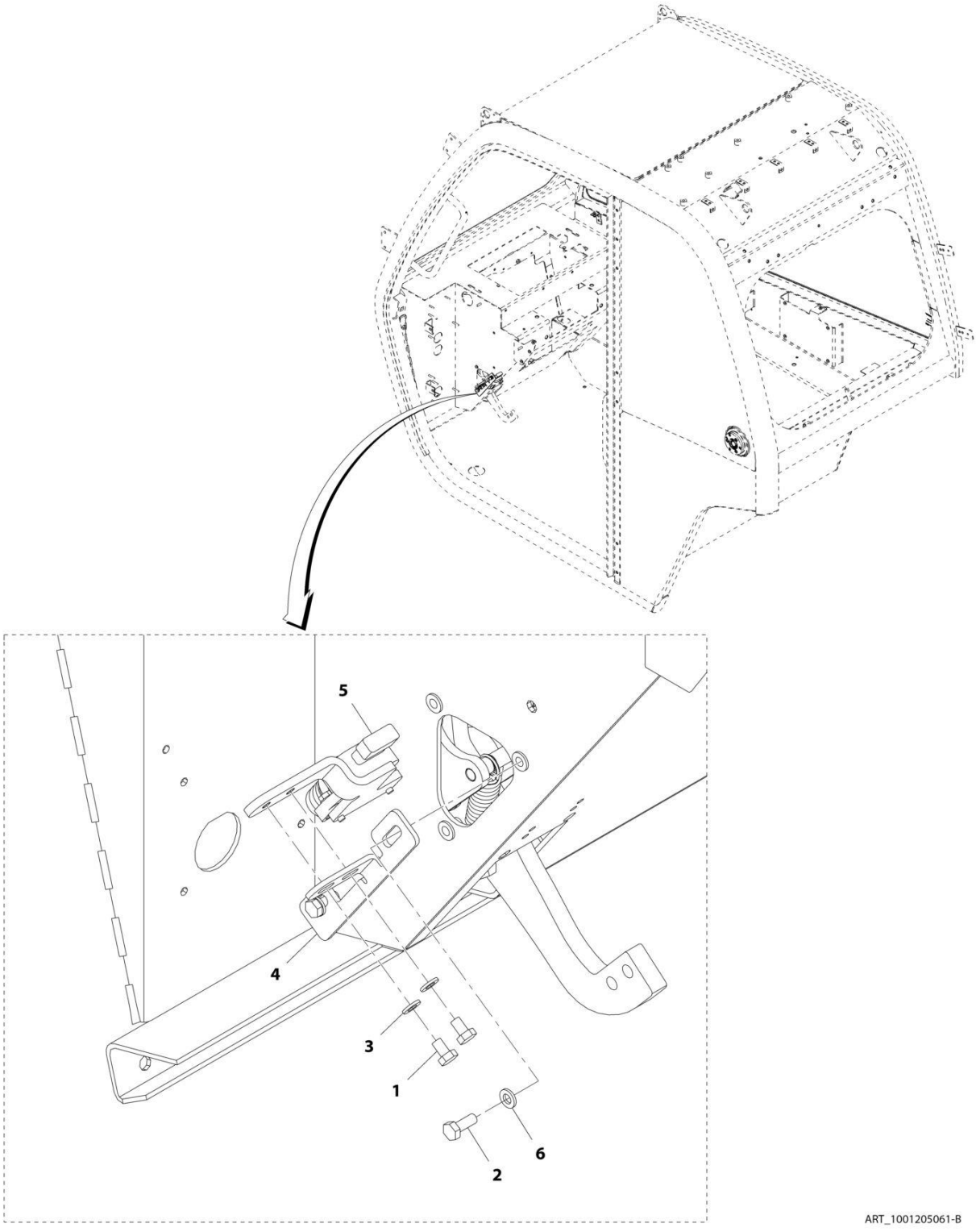
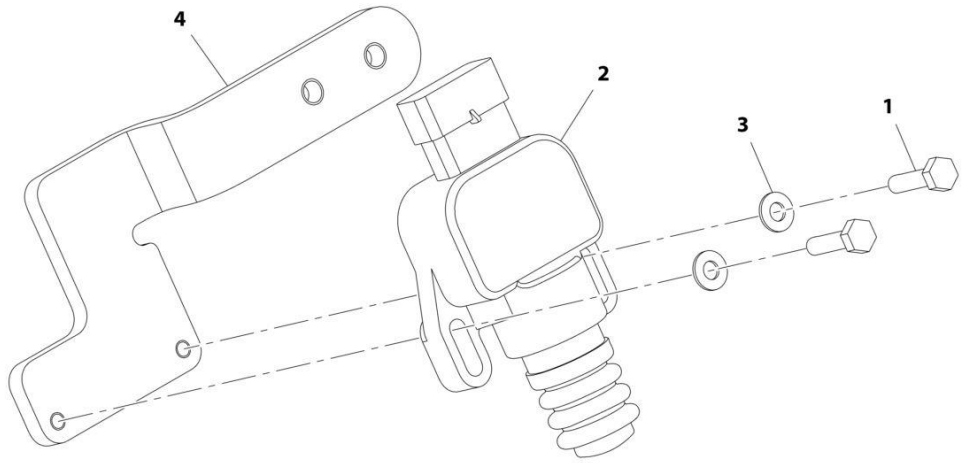


FIGURE 7-5. BRAKE SENSOR INSTALLATION

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 7-6. SWITCH PLATE ASSEMBLY



ART_1001201501-A

FIGURE 7-6. 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 7-7. TILT STEERING COLUMN INSTALLATION

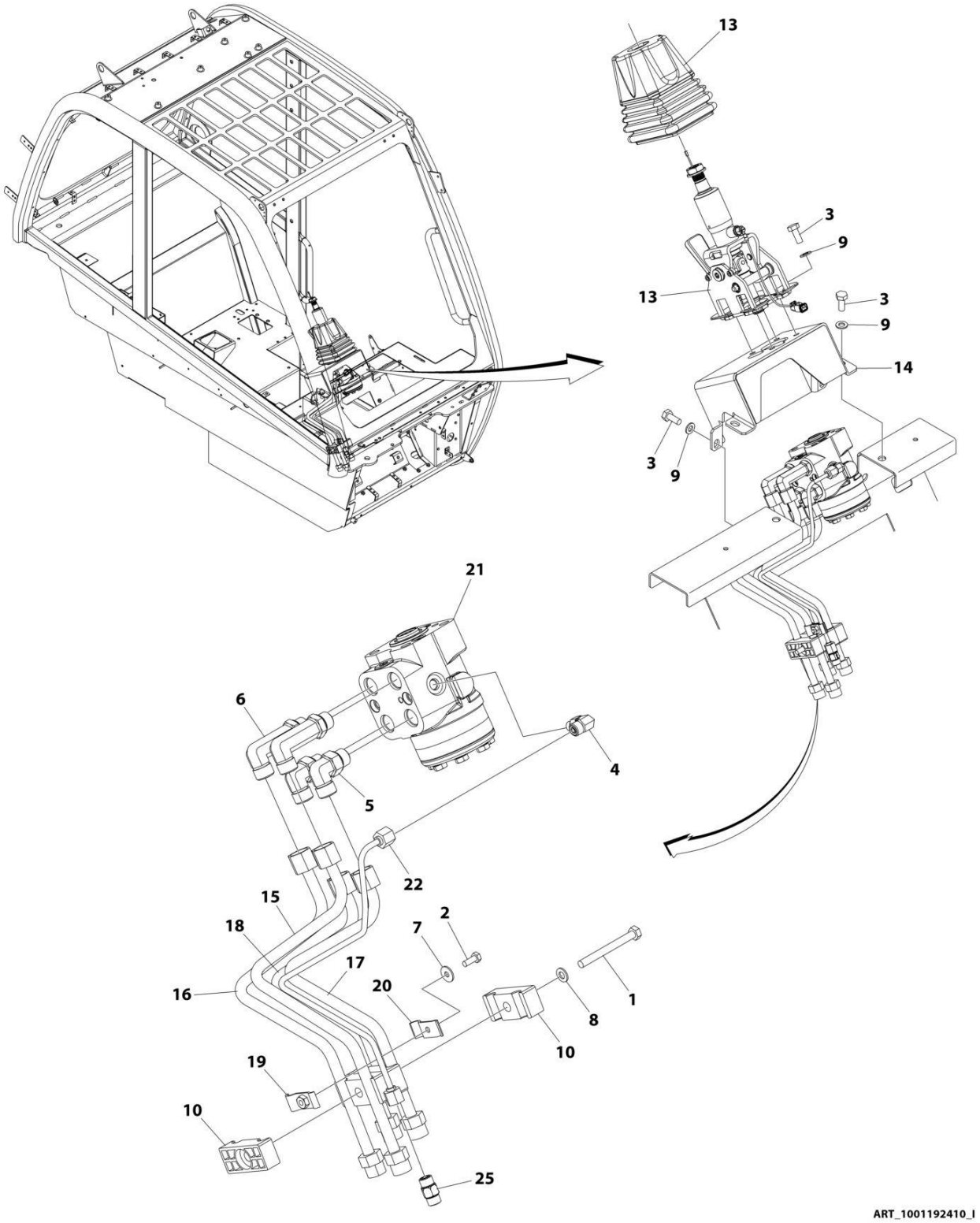
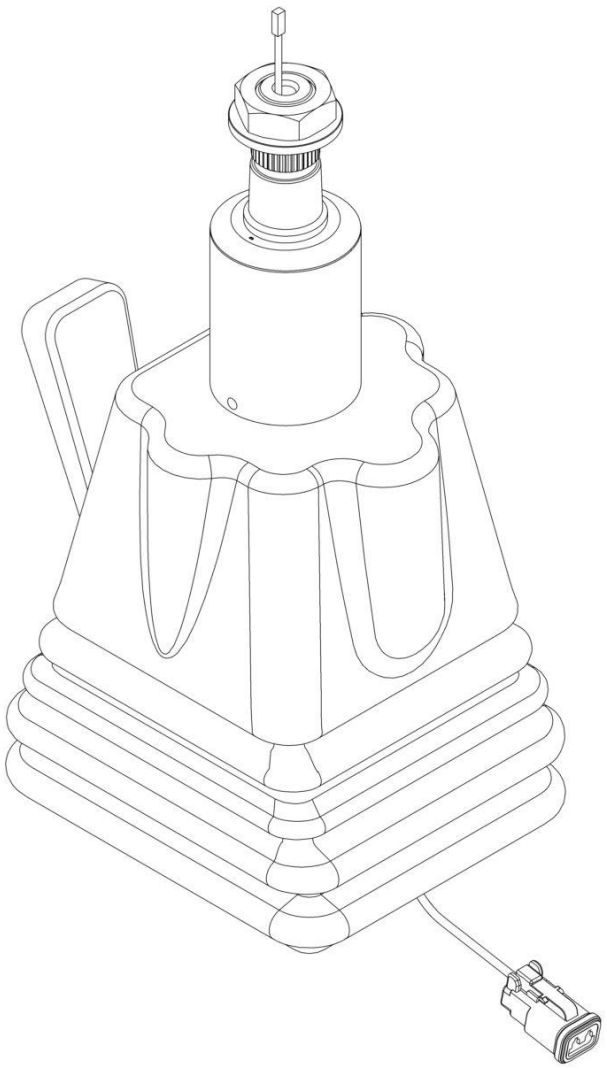


FIGURE 7-7. TILT STEERING COLUMN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192410	Ref	Tilt Steering Column Installation	I
1	0700824	1	Bolt M8 x 80	
2	0760608	1	Bolt M6 x 16	
3	0761012	8	Bolt M10 x 25	
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	1001095650	AR	Adhesive (Not Shown)	
13	1001257330	1	Column, Tilt Steering (See Separate Breakdown in this Section)	
14	1001156265	1	Bracket, Support	
15	1001161672	1	Pipe	
16	1001161896	1	Pipe	
17	1001161897	1	Pipe	
18	1001161898	1	Pipe	
19	1001168142	1	Bracket	
20	1001168151	1	Bracket	
21	1001178670	1	Valve, Steer (See Separate Breakdown in HYDRAULICS COMPONENTS Section)	
22	1001194282	1	Pipe	
25	1001227945	1	Valve, Check	

FIGURE 7-8. TILT STEERING COLUMN



ART_1001257330

FIGURE 7-8. TILT STEERING COLUMN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257330	Ref	TILT STEERING COLUMN	A
		Ref	Note: No Service Parts Available - Purchase Complete Assembly	

FIGURE 7-9. COLUMN SHIFT INSTALLATION (2 SPEED)

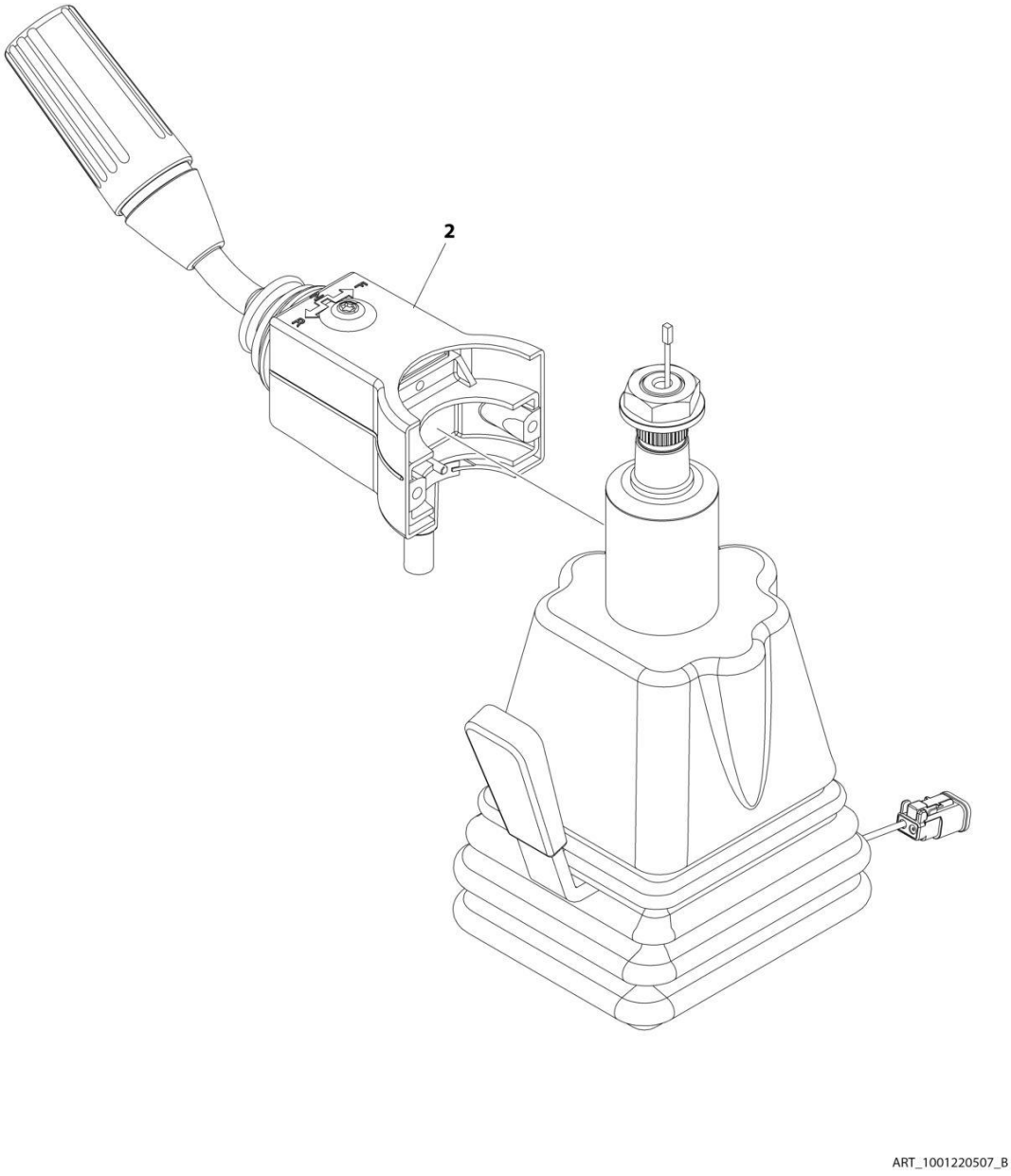


FIGURE 7-9. COLUMN SHIFT INSTALLATION (2 SPEED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220507	Ref	Column Shift Installation (2 Speed)	B
2	1001257088	1	Lever, FNR (2 Speed)	

FIGURE 7-10. STEERING WHEEL INSTALLATION

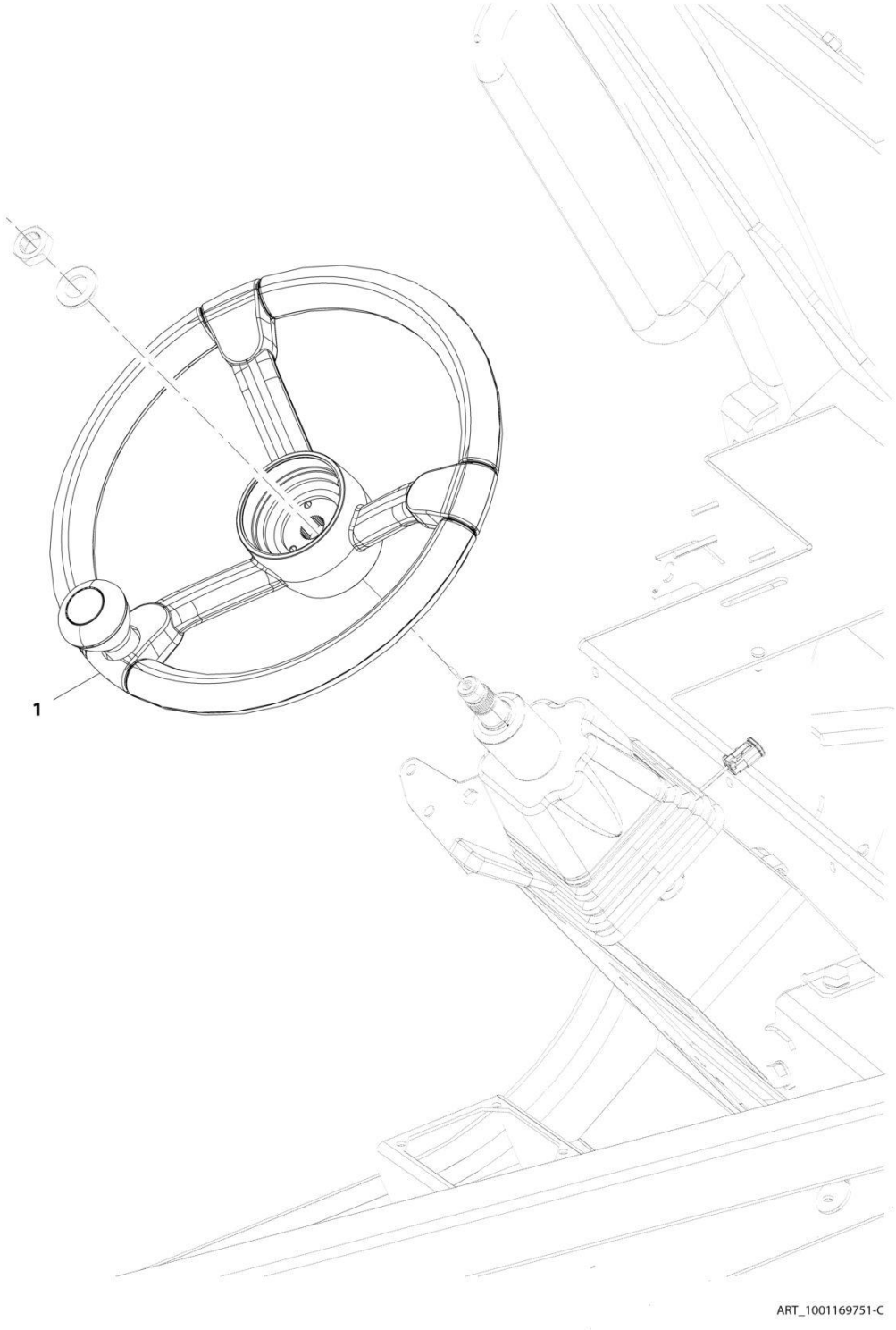
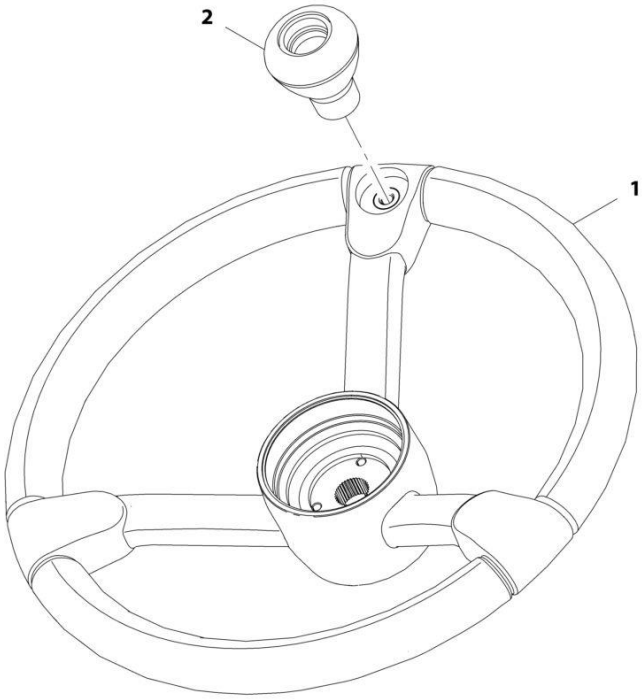


FIGURE 7-10. STEERING WHEEL INSTALLATION

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

FIGURE 7-11. STEERING WHEEL

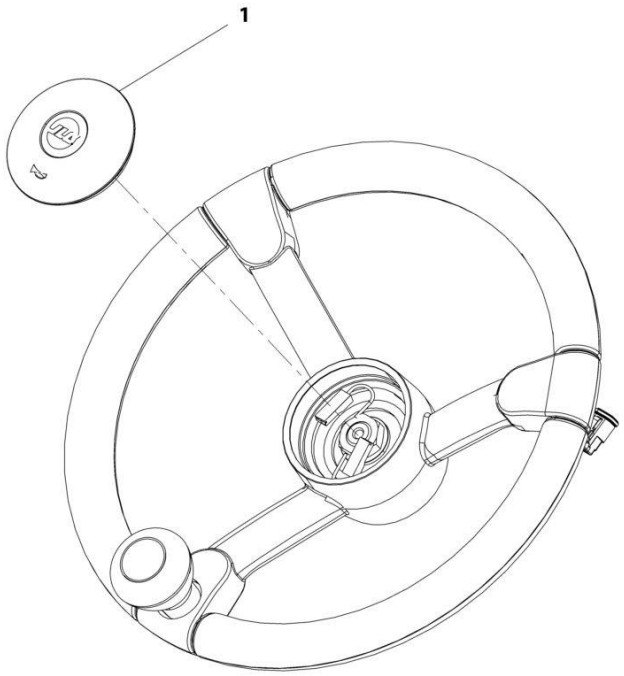


ART_1001169354-D

FIGURE 7-11. 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 7-12. HORN BUTTON INSTALLATION



ART_1001169763-A

FIGURE 7-12. HORN BUTTON INSTALLATION

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

FIGURE 7-13. JOYSTICK INSTALLATION (2 SPEED)

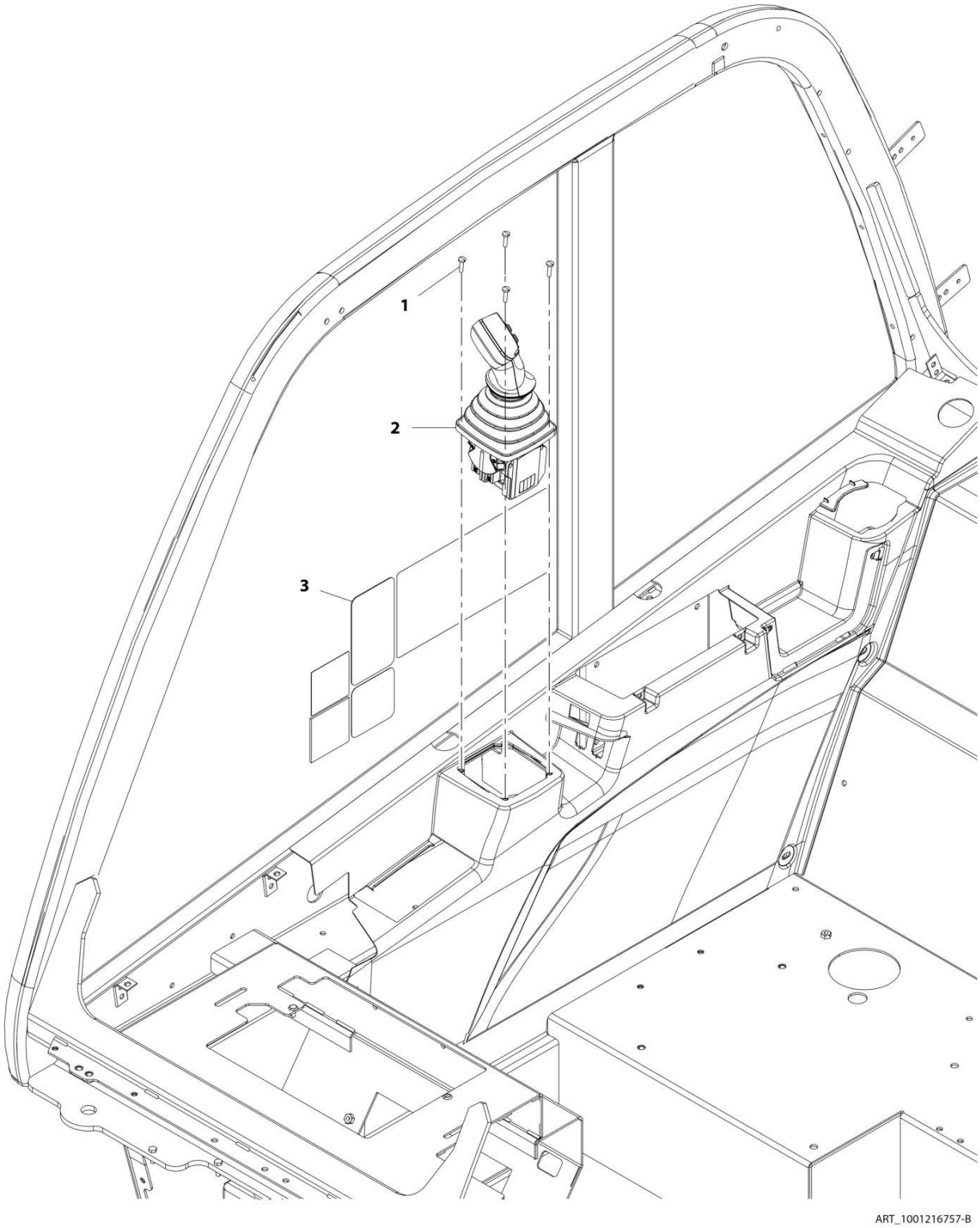
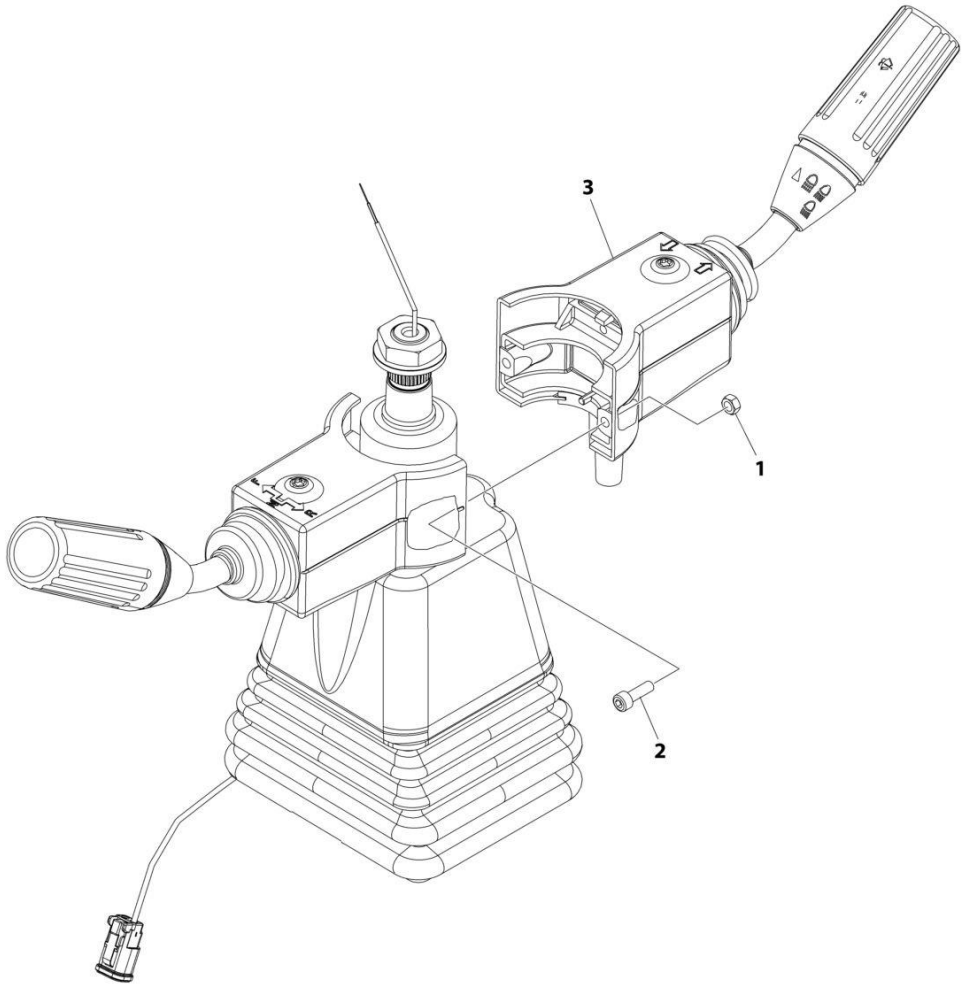


FIGURE 7-13. JOYSTICK INSTALLATION (2 SPEED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216757	Ref	Joystick Installation (2 Speed)	C
1	4010510	4	Screw, M5X20	
2	1001222606	1	Joystick, 2R2B	
3	1001216803	1	Decal	

FIGURE 7-14. WIPER-TURN SWITCH

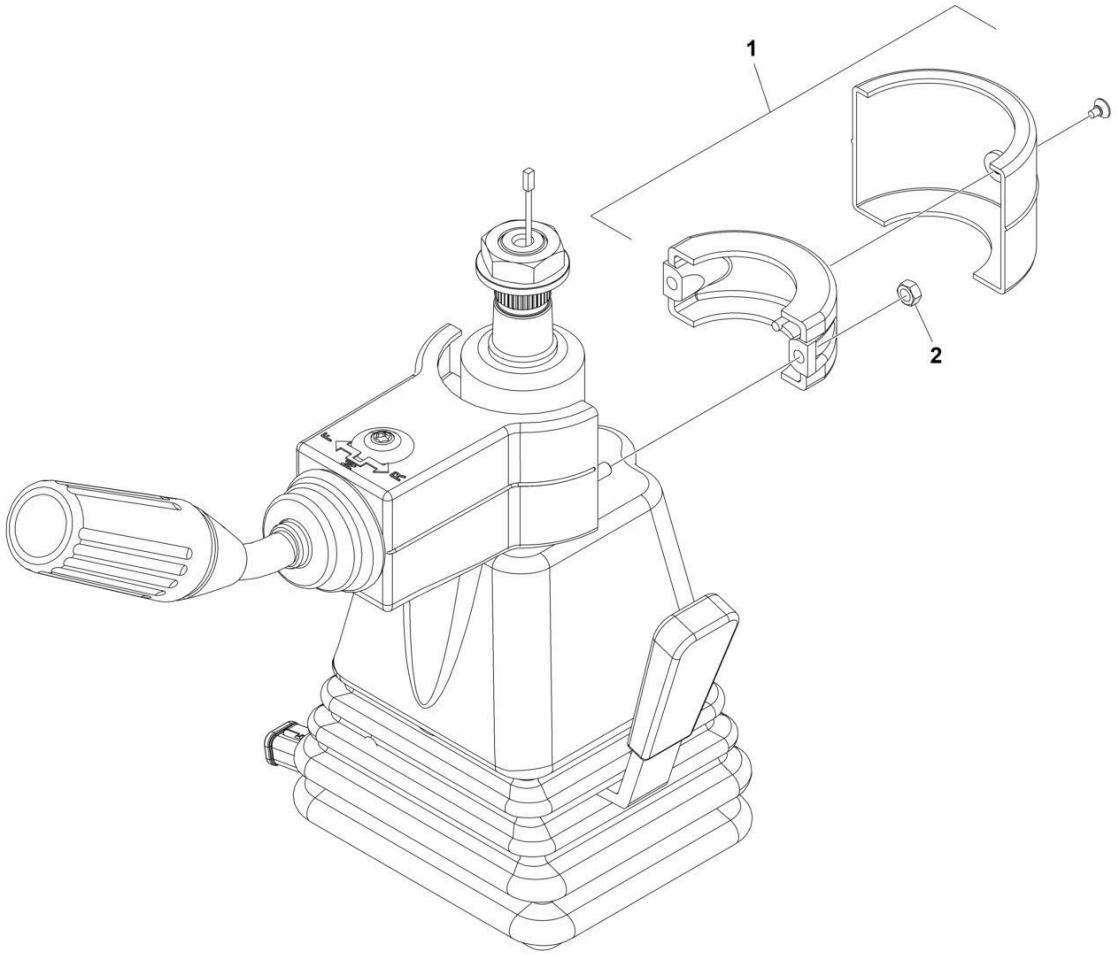


ART_1001257071

FIGURE 7-14. WIPER-TURN SWITCH

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

FIGURE 7-15. COLUMN CLAMP INSTALLATION



ART_1001182671_E

FIGURE 7-15. COLUMN CLAMP INSTALLATION

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

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. MAIN HYDRAULIC INSTALLATION

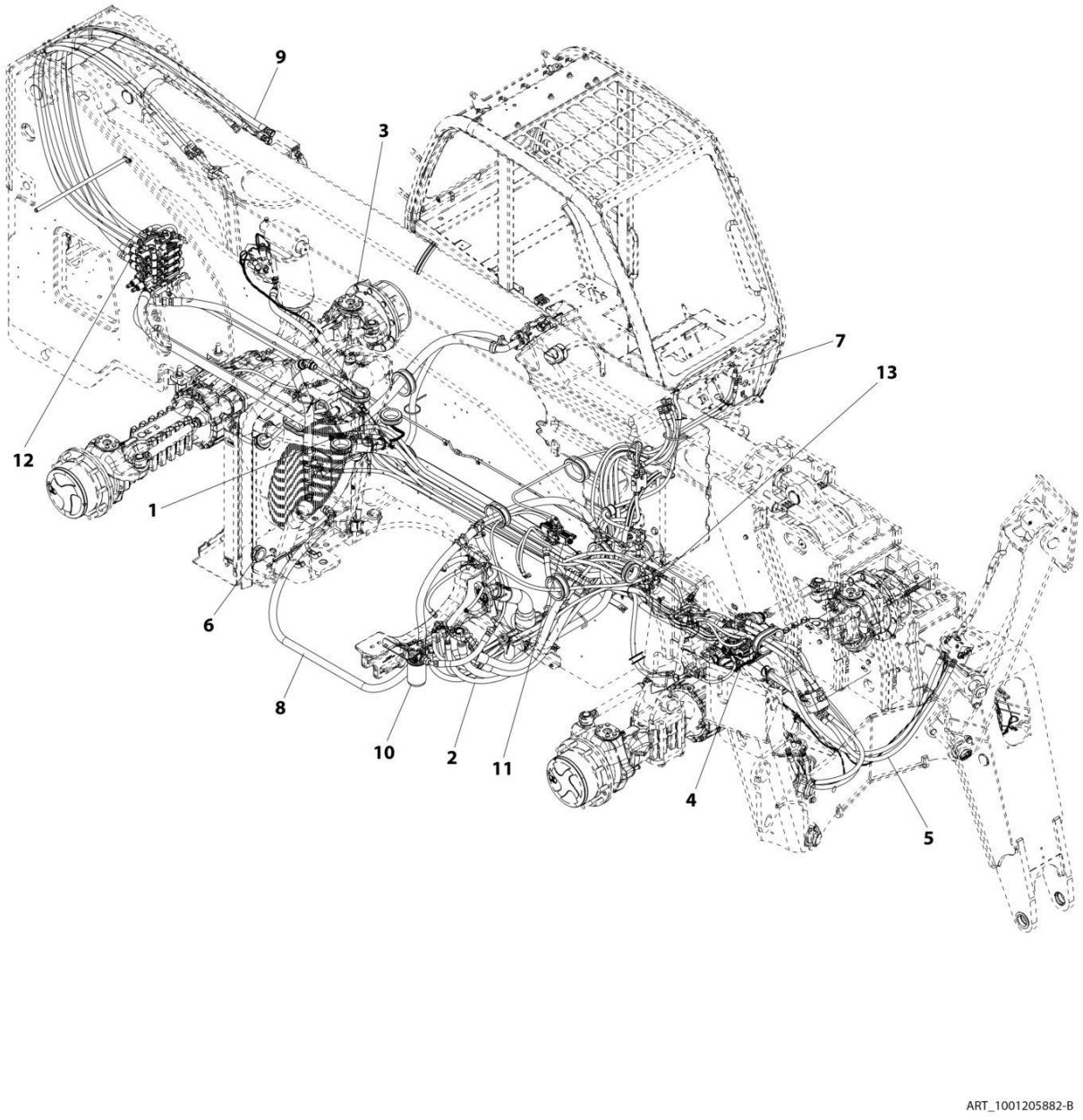


FIGURE 8-1. MAIN HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205882	Ref	Main Hydraulic Installation	B
1	1001193516	1	Installation, Steer Select Valve (See Separate Breakdown in this Section)	
2	1001242919	1	Installation, Frame Hydraulics (See Separate Breakdown in this Section)	
3	1001243703	1	Installation, RAS Variable Reducing Valve (See Separate Breakdown in this Section)	
4	1001245232	1	Installation, Frame Sway Control Valve (See Separate Breakdown in this Section)	
5	1001245870	1	Installation, Outrigger Hydraulics (See Separate Breakdown in this Section)	
6	1001246532	1	Installation, Grommets (See Separate Breakdown in this Section)	
7	1001247057	1	Installation, Cab Hydraulics (See Separate Breakdown in this Section)	
8	1001247107	1	Installation, Engine Bay Hydraulic (See Separate Breakdown in this Section)	
9	1001247154	1	Installation, Boom Hydraulic Lines (See Separate Breakdown in this Section)	
10	1001247210	1	Installation, Charge Filter Hose (See Separate Breakdown in this Section)	
11	1001247223	1	Installation, Speed Control Valve (See Separate Breakdown in this Section)	
12	1001248169	1	Installation, Main Control Valve (See Separate Breakdown in this Section)	
13	1001248354	1	Installation, SAHR Valve (See Separate Breakdown in this Section)	

FIGURE 8-2. BOOM HYDRAULICS INSTALLATION

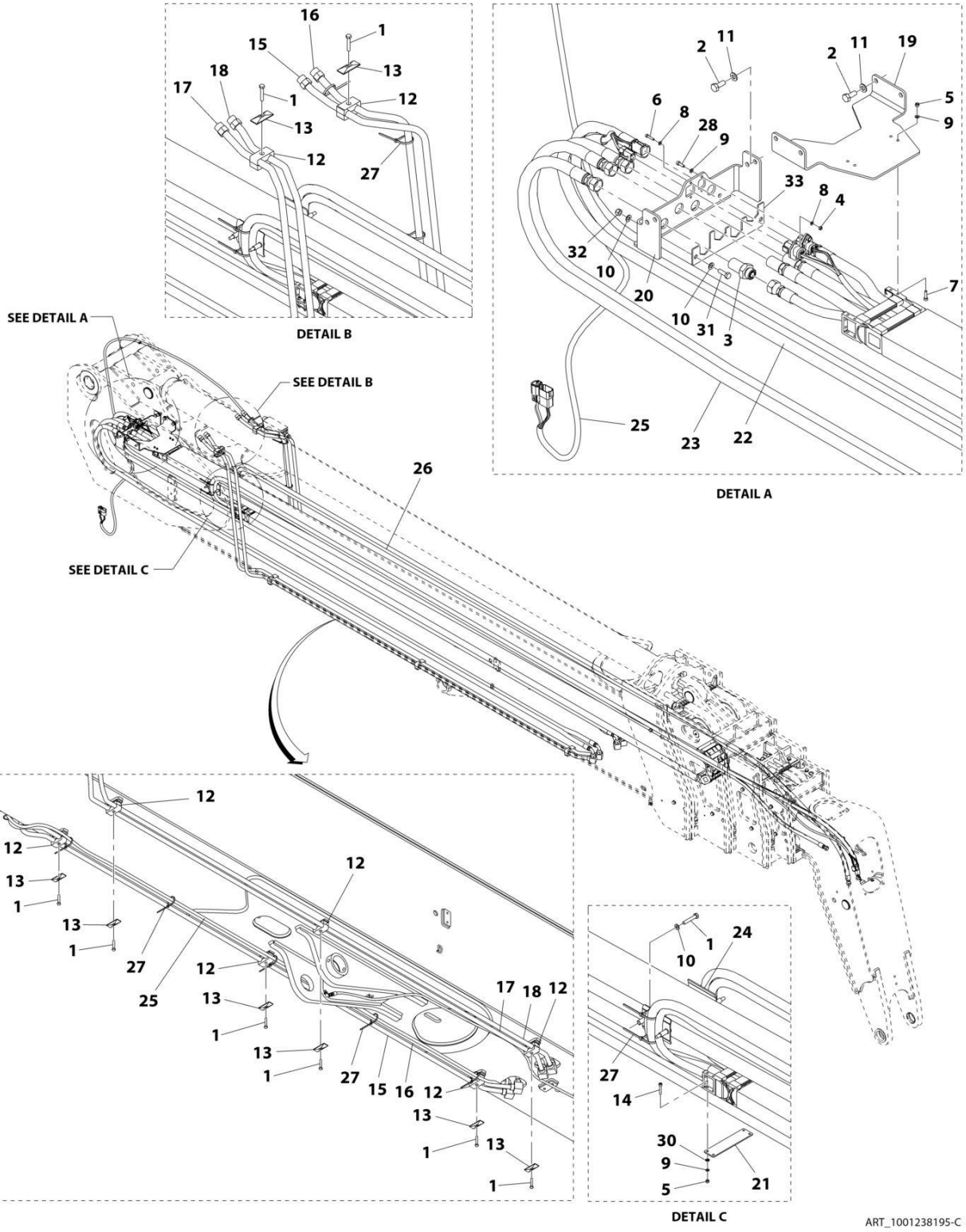


FIGURE 8-2. BOOM HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238195	Ref	Boom Hydraulics Installation	C
1	0700817	12	Bolt, M8X45	
2	0761012	8	Bolt, M10X25	
3	2171110	1	Fitting	
4	3290405	2	Nut, Lock M4X0.7	
5	3290505	8	Nut, Lock M5X0.8	
6	4031508	2	Screw, M4X20	
7	4031608	4	Screw, M5X20	
8	4811400	4	Washer, M4	
9	4811600	10	Washer, M5	
10	4811900	8	Washer, M8	
11	4812000	8	Washer, M10	
12	77133136	8	Clamp Set	
13	77133137	8	Plate	
14	1001104029	4	Screw, M5X.8X30	
15	1001237435	1	Hose	
16	1001237436	1	Hose	
17	1001237437	1	Hose	
18	1001237438	1	Hose	
19	1001237497	1	Bracket, Hose Chain	
20	1001237498	1	Bracket, Bulkhead	
21	1001237499	1	Plate, Chain Backing	
22	1001237540	1	Hose	
23	1001237541	1	Hose	
24	1001238509	2	Bracket, Hose Clamp	
25	1001243196	1	Boom to Frame Harness (See Separate Breakdown in Electrical Section)	
26	1001245316	1	Installation, Boom Hose and Chain (See Separate Breakdown in this Section)	
27	471678	11	Strap, Tie	
28	4031607	2	Screw, M5-0.8X16	
30	1001253728	4	Washer, M5	
31	0760812	2	Bolt, M8X25	
32	3290805	2	Nut, Lock M8X1.25 Grade 8	
33	1001255255	1	Plate, Bulkhead Locking	

FIGURE 8-3. BOOM HYDRAULIC LINES INSTALLATION

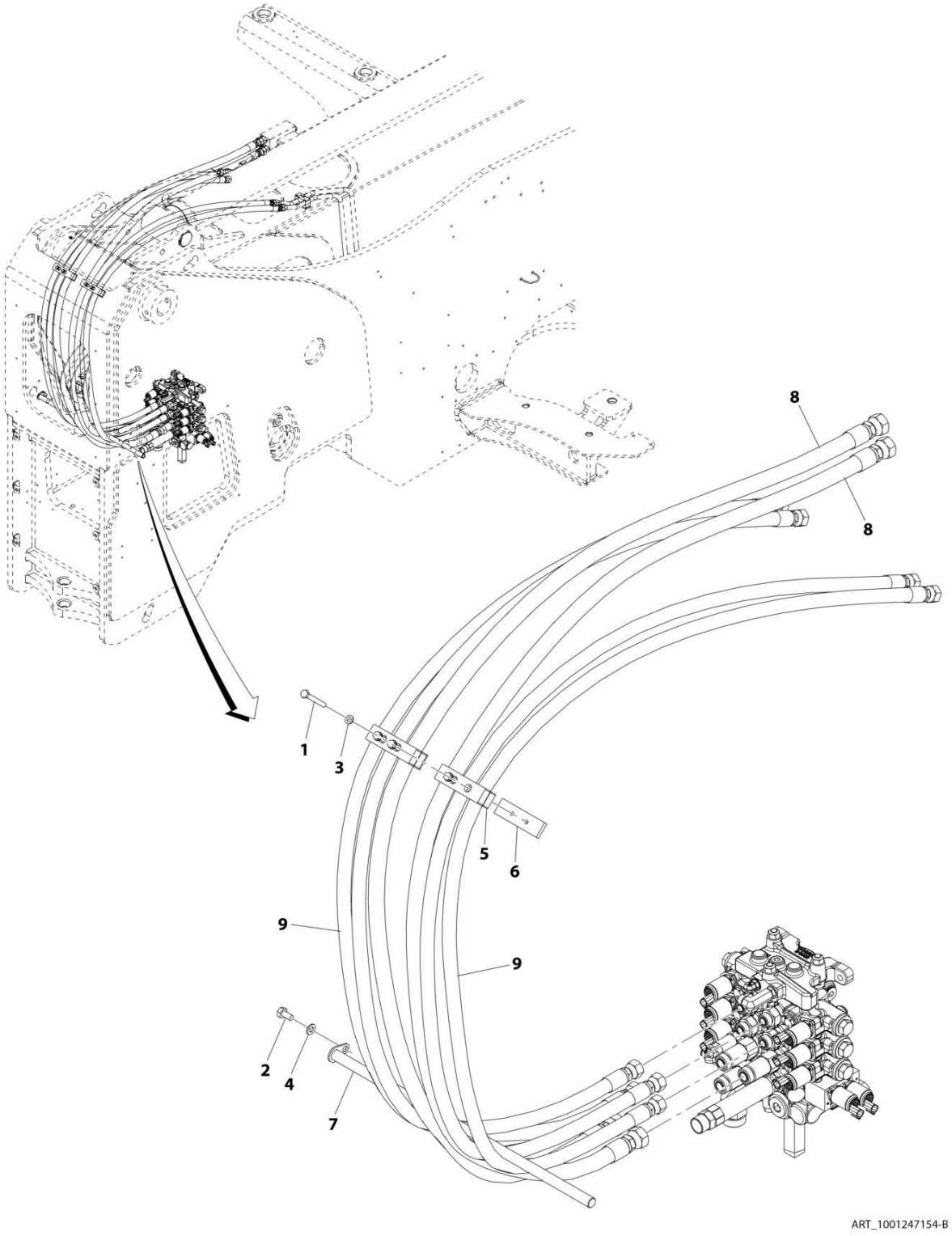


FIGURE 8-3. BOOM HYDRAULIC LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247154	Ref	Boom Hydraulic Lines Installation	B
1	0700821	4	Bolt, M8 X 65	
2	0761010	1	Bolt, M10 X 20	
3	4811900	4	Washer, M8	
4	4812000	1	Washer, M10	
5	1001104979	2	Clamp	
6	1001226557	2	Plate, Hose Clamp	
7	1001247155	1	Bar, Hose Guide Assembly	
8	1001247158	2	Hose	
9	1001247159	4	Hose	

FIGURE 8-4. BOOM HOSE AND CHAIN INSTALLATION

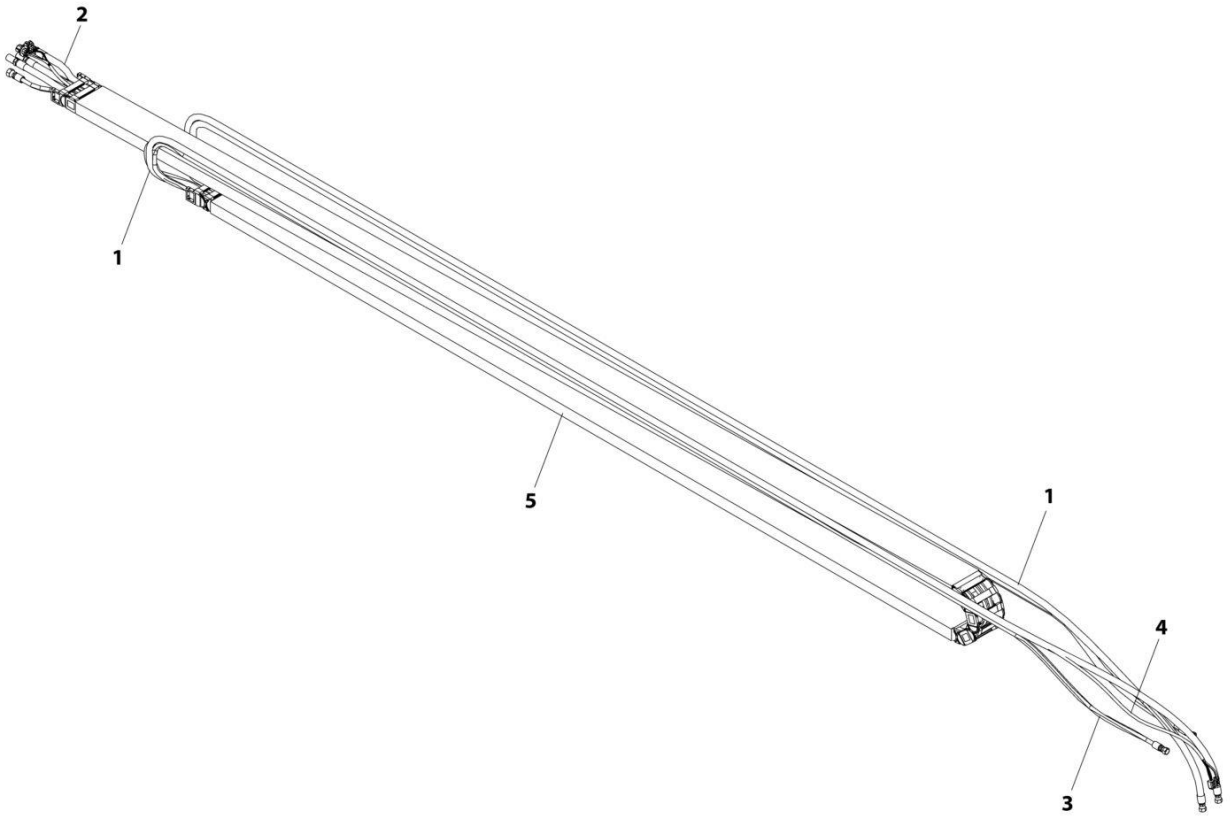


FIGURE 8-4. BOOM HOSE AND CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245316	Ref	Boom Hose and Chain Installation	B
1	1001237669	2	Hose	
2	1001237670	1	Hose	
3	1001237671	1	Hose	
4	1001243198	1	Boom Harness (See Separate Breakdown in Electrical Section)	
5	1001244220	1	Chain	

FIGURE 8-5. BOOM AUXILIARY HYDRAULICS INSTALLATION

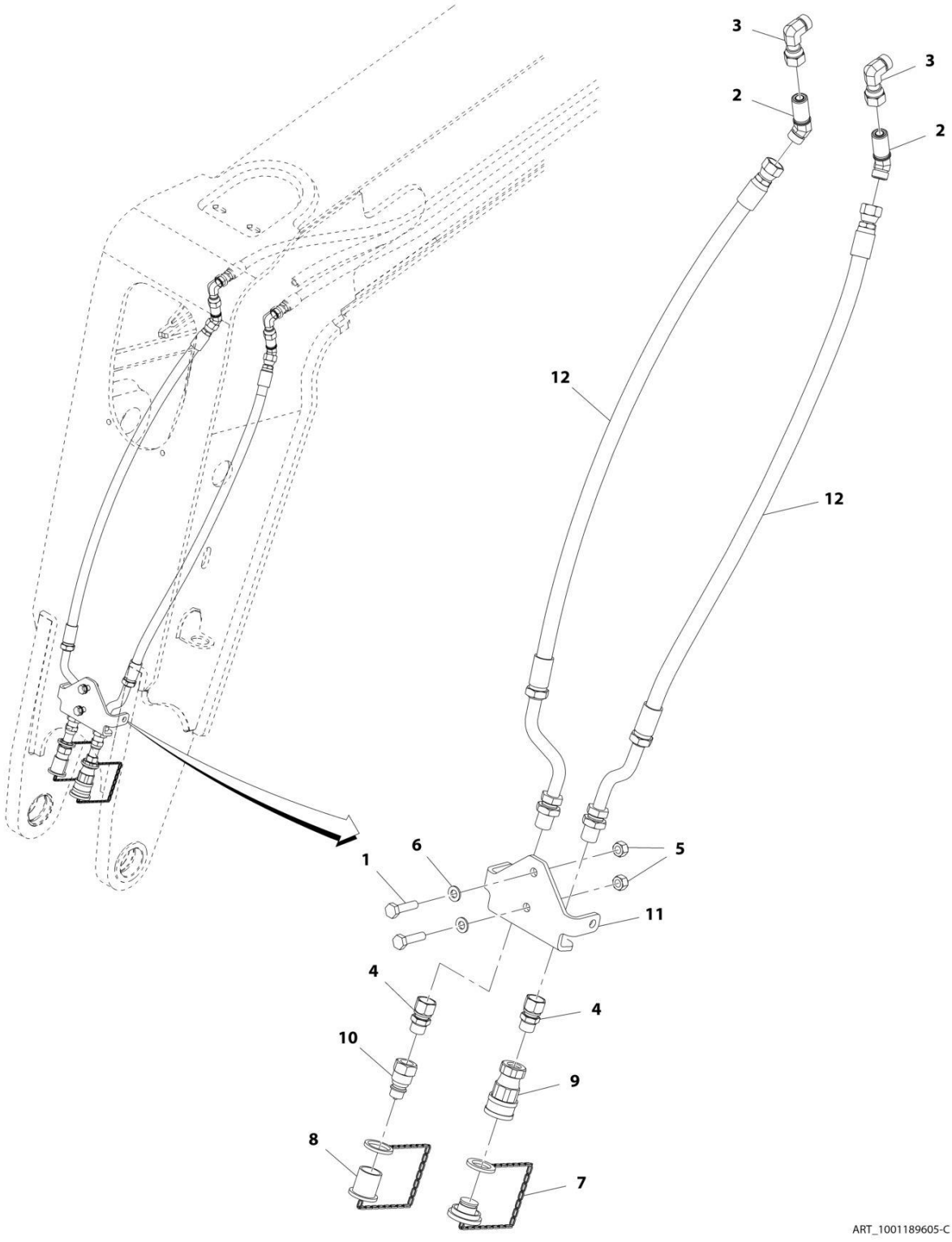


FIGURE 8-5. BOOM AUXILIARY HYDRAULICS INSTALLATION

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

FIGURE 8-6. BOOM AUXILIARY HYDRAULICS (HYDRAULIC COUPLER)

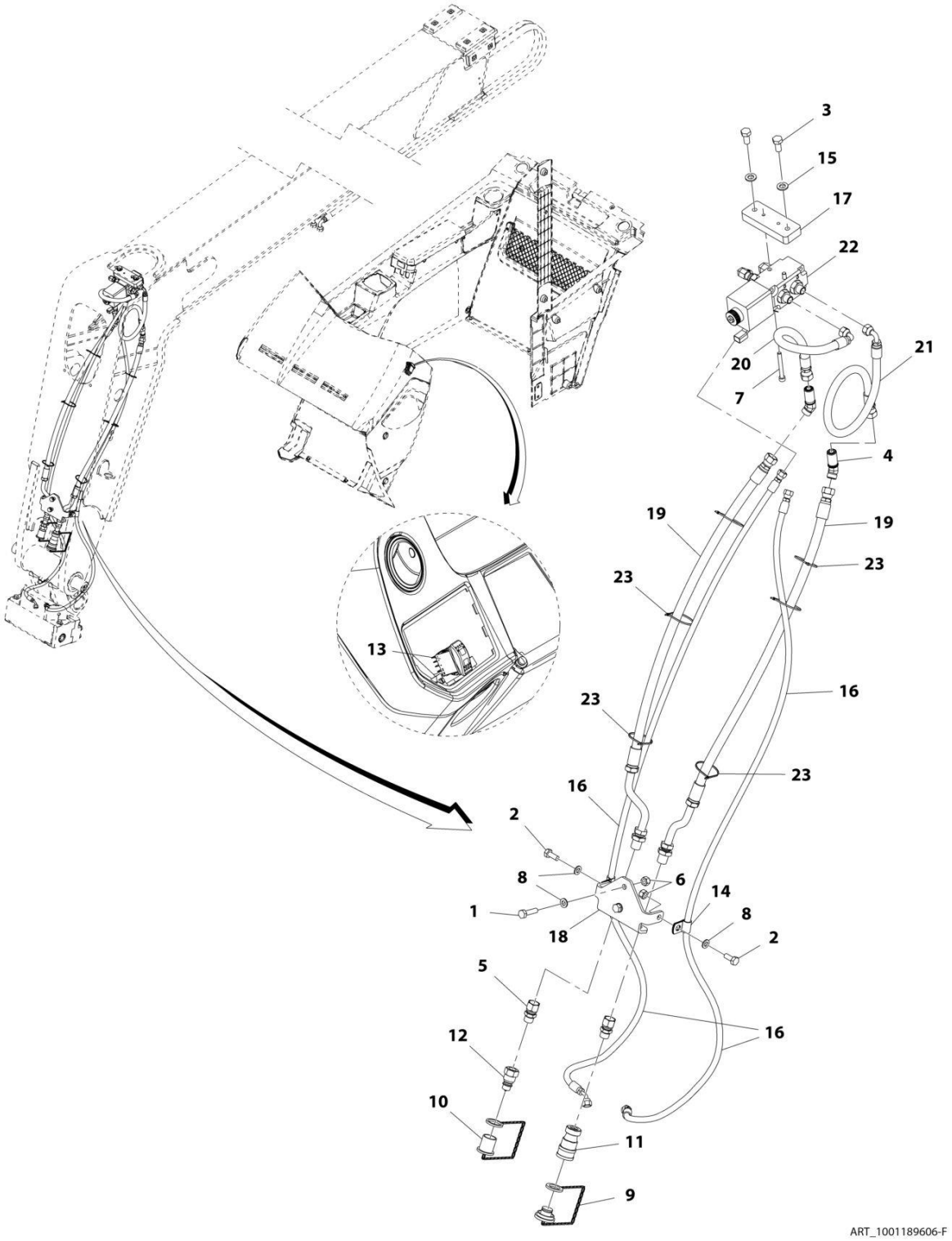


FIGURE 8-6. BOOM AUXILIARY HYDRAULICS (HYDRAULIC COUPLER)

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

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

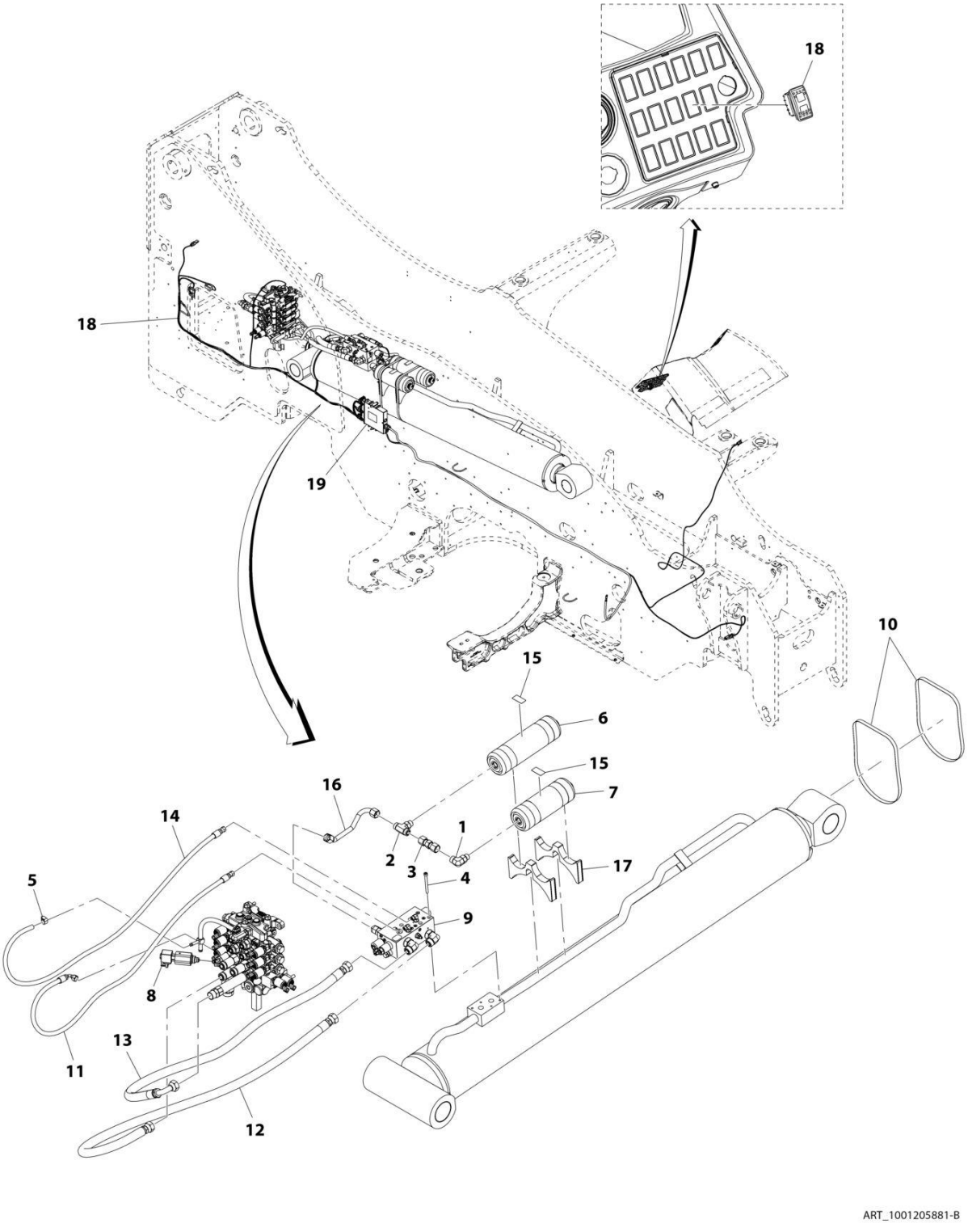


FIGURE 8-7. BOOM RAISE HOSE INSTALLATION (RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205881	Ref	Boom Raise Hose Installation (Ride Control)	B
1	2131010	1	Fitting, ORFS	
2	2170410	1	Fitting	
3	2172410	1	Adaptor	
4	4031921	4	Bolt, M8X85	
5	8410013	1	Gear Clamp	
6	1001192771	1	Cylinder	
7	1001192772	1	Cylinder	
8	1001202020	1	Valve, MCV Tank Cartridge	
9	1001219765	1	Assembly, Ride and Float Valve (See Separate Breakdown in this Section)	
10	1001214829	2	Clamp	
11	1001247372	1	Hose	
12	1001247373	1	Hose	
13	1001247374	1	Hose	
14	1001247379	1	Hose	
15	1001247708	2	Decal, Stored Energy	
16	1001247979	1	Hose	
17	1001248677	2	Bumper, Cylinder Saddle	
18	1001248758	1	Installation, Ride Control Wiring (See Separate Breakdown in ELECTRICAL Section)	
19	1001266065	1	Installation, Boom Damping (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 8-8. CAB HYDRAULICS INSTALLATION

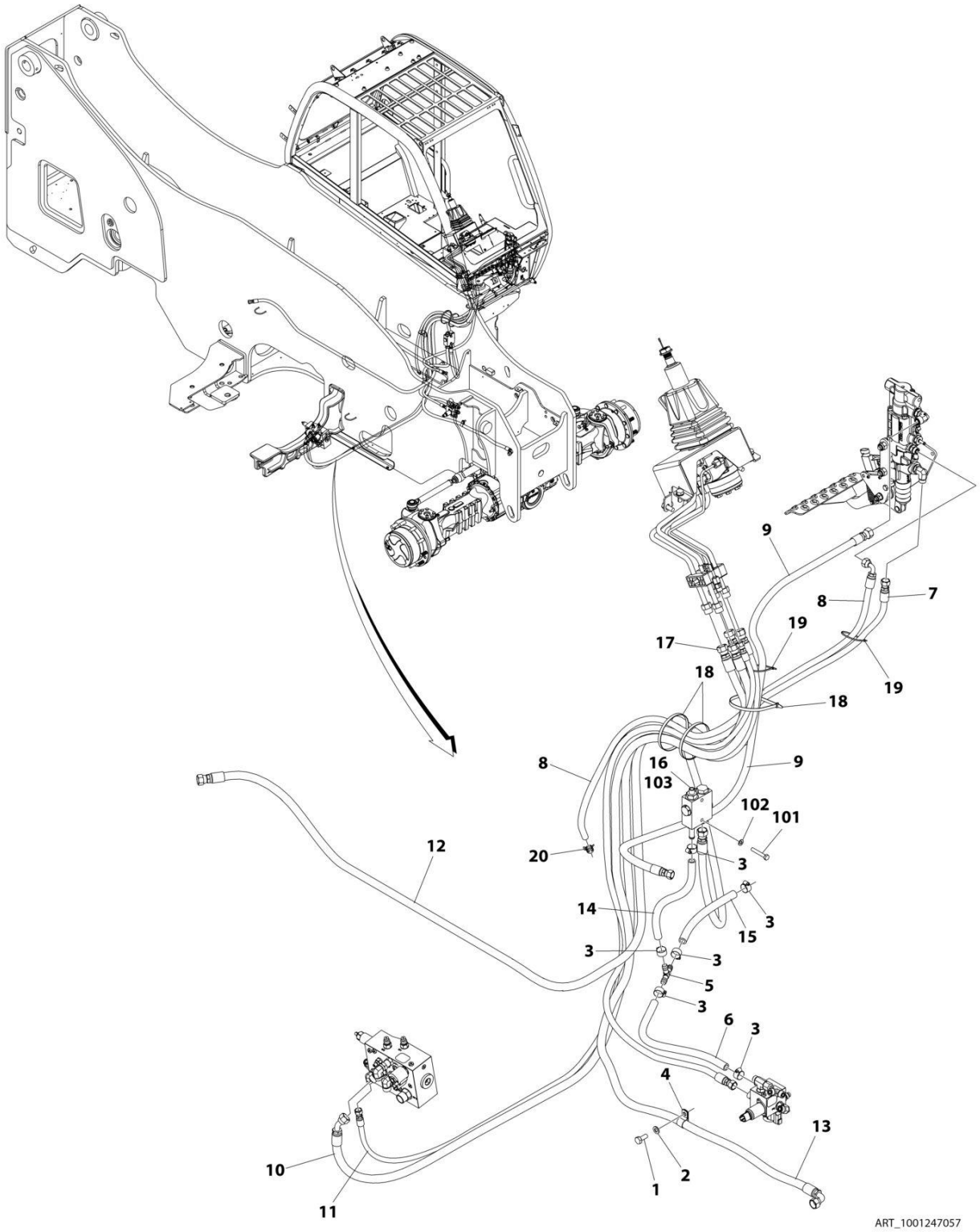


FIGURE 8-8. CAB HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247057	Ref	CAB HYDRAULICS INSTALLATION	D
1	0761012	1	Bolt M10 x 25	
2	4812000	1	Washer M10	
3	8405006	6	Clamp, Gear	
4	8406102	1	Clip	
5	8430099	1	Tee	
6	1001246964	1	Hose	
7	1001246997	1	Hose	
8	1001246998	1	Hose	
9	1001210282	1	Hose	
10	1001247000	1	Hose	
11	1001247001	1	Hose	
12	1001253785	1	Hose	
13	1001247004	1	Hose	
14	1001247006	1	Hose	
15	1001247007	1	Hose	
16	1001248372	1	Check Valve Installation (includes items 101 thru 103)	
17	1001204152	1	Hose	
18	4240018	3	Tie Strap	
19	4240099	3	Tie, Wire	
20	1001152729	1	Clamp	
	1001248372	Ref	Check Valve Installation	C
101	0700818	2	Bolt M8 x 50	
102	4811900	2	Washer M8	
103	1001247054	1	Assembly, Check Valve & Fittings (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	

FIGURE 8-9. CAB CHECK VALVE & FITTING ASSEMBLY

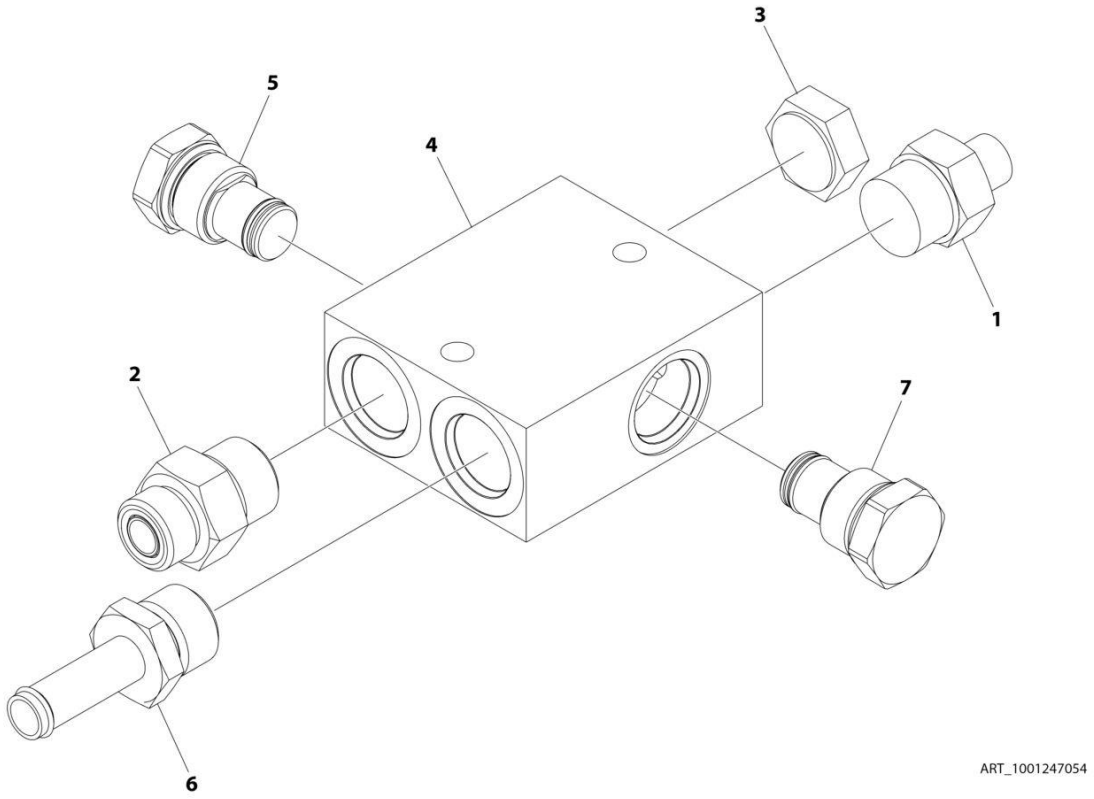


FIGURE 8-9. CAB CHECK VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247054	Ref	CHECK VALVE ASSEMBLY	C
1	2110410	1	Fitting, Straight ORFS	
2	2110810	1	Fitting, Straight ORFS	
3	2220239	1	Plug	
4	1001210780	1	Manifold, Dual Check	
5	1001210801	1	Valve, Check (2 PSI)	
6	1001225656	1	Fitting, Straight ORFS	
7	1001231393	1	Valve, Check (30 PSI)	

FIGURE 8-10. CHARGE FILTER HOSE INSTALLATION

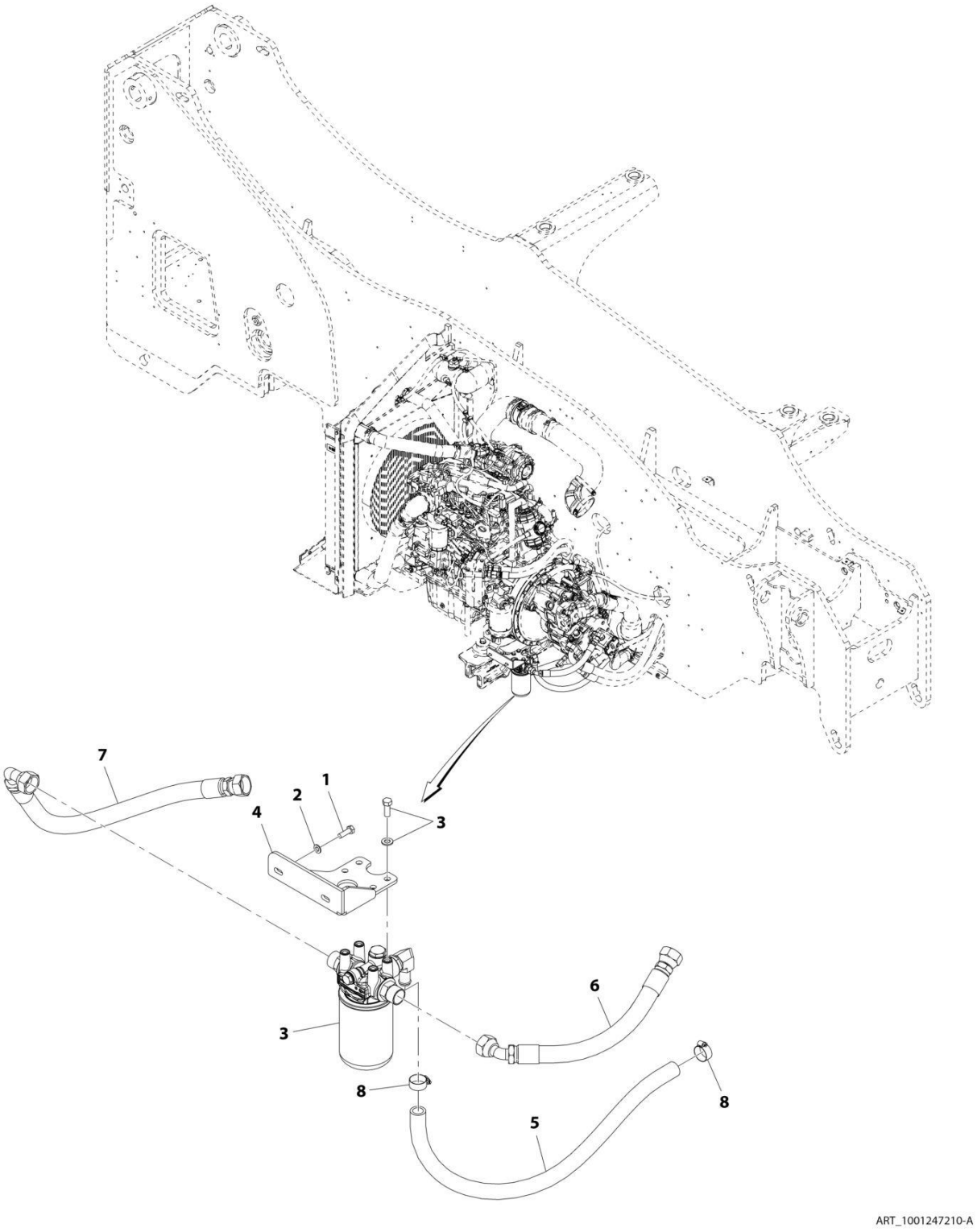
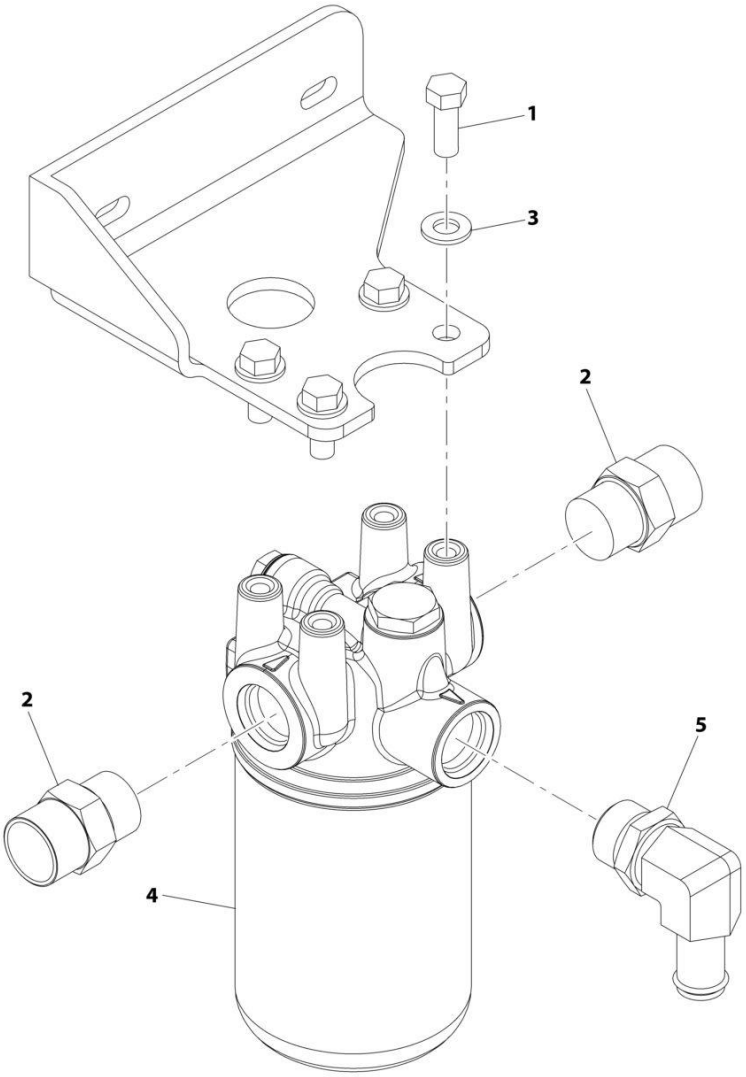


FIGURE 8-10. CHARGE FILTER HOSE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247210	Ref	Charge Filter Hose Installation	A
1	0700812	2	Screw, M8X25 LG	
2	4811900	2	Washer, M8	
3	1001247206	1	Installation, Charge Filter (See Separate Breakdown in this Section)	
4	1001247208	1	Bracket, Filter Support	
5	1001247211	1	Hose	
6	1001247212	1	Hose	
7	1001247213	1	Hose	
8	8405007	2	Clamp	

FIGURE 8-11. CHARGE FILTER INSTALLATION



ART_1001247206-B

FIGURE 8-11. CHARGE FILTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247206	Ref	Charge Filter Installation	B
1	0641608	4	Bolt, 3/8-16 X 1	
2	2111212	2	Fitting, Straight ORFS	
3	4812000	4	Washer, M10	
4	1001141976	1	Assembly, Implement Pump Filter (See Separate Breakdown in this Section)	
5	1001188880	1	Fitting	

FIGURE 8-12. EMERGENCY LOWERING INSTALLATION

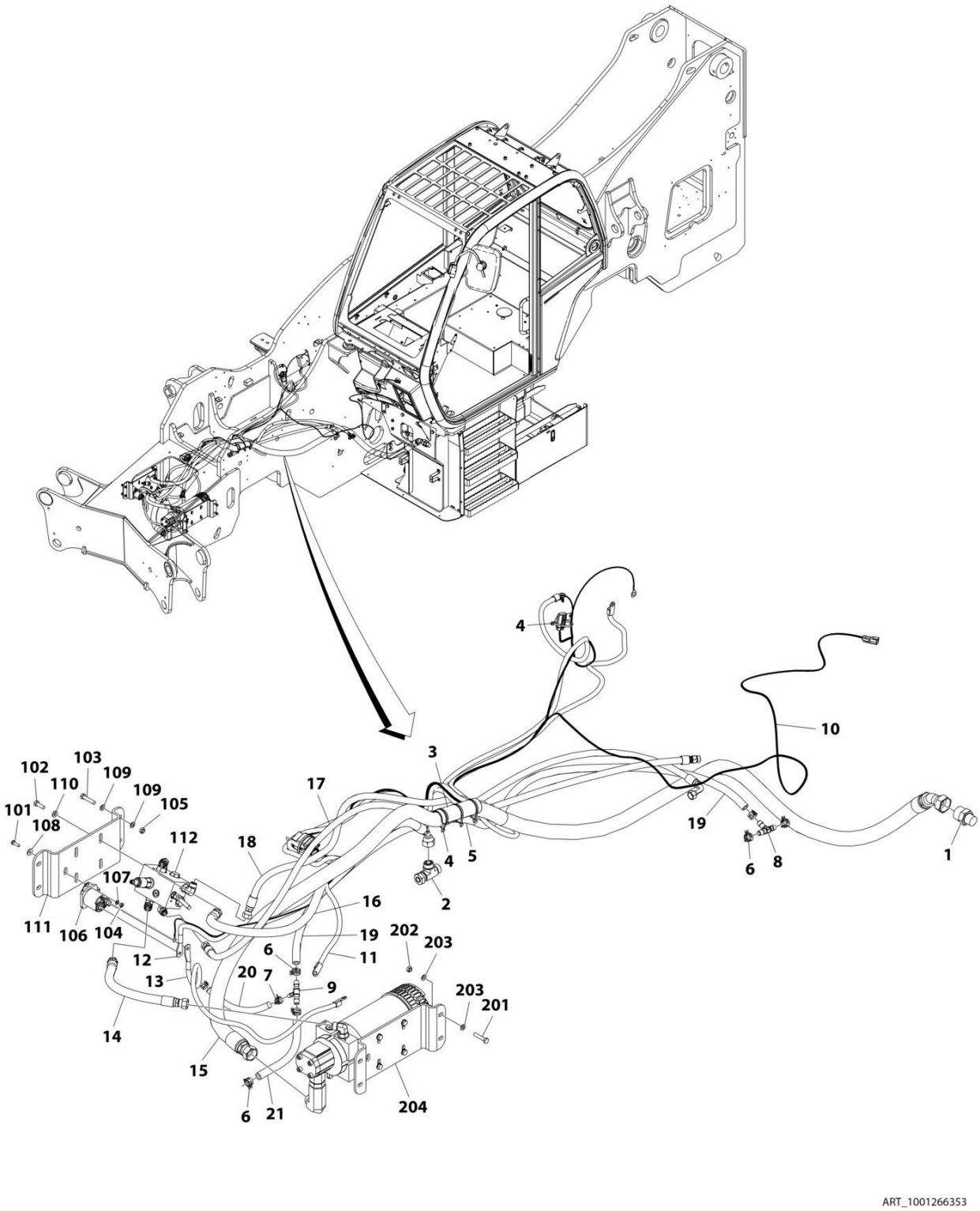


FIGURE 8-12. EMERGENCY LOWERING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266353	Ref	EMERGENCY LOWERING INSTALLATION	A
1	2111612	1	Fitting	
2	2170710	1	Fitting, Straight Adapter	
3	7301536	1	Guard, Hose	
4	1001008559	5	Strap	
5	1001125642	1	Conduit	
6	1001142942	6	Clamp	
7	1001152729	2	Clamp	
8	1001176411	1	Connector	
9	1001188126	1	Tee Barb	
10	1001265893	1	Emergency Lowering Harness	
11	1001265996	1	Cable, AVB Ground	
12	1001265997	1	Cable, AVB Relay	
13	1001265998	1	Cable, AVB Power	
14	1001266178	1	Hose	
15	1001266220	1	Hose	
16	1001266223	1	Hose	
17	1001266225	1	Hose	
18	1001266227	1	Hose	
19	1001266280	1	Hose	
20	1001266871	1	Hose	
21	1001266872	1	Hose	
22	1001266881	Ref	Installation, Auxiliary Reducing Valve (See Items 101-112 for breakdown)	
23	1001267291	Ref	Installation, Power Unit (See Items 201-204 for breakdown)	
	1001266881	Ref	AUXLIAIRY REDUCING VALVE INSTALLATION	A
101	0760610	2	Bolt M6 x 20	
102	0760812	2	Bolt M8 x 25	
103	0760816	4	Bolt M8 x 40	
104	3290601	2	Nut M6 x 1	
105	3290801	4	Nut M8 x 1.25	
106	3740067	1	Relay	
107	4811700	2	Washer M6	
108	4811702	2	Washer M6	
109	4811900	8	Washer M8	
110	5240800	2	Washer M8	
111	1001266281	1	Bracket	
112	1001266880	1	Valve, Auxiliary Reducing Assembly (See Separate Breakdown in this Section)	
	1001267291	Ref	POWER UNIT INSTALLATION	A
201	0760816	4	Nut M8 x 40	
202	3290801	4	Nut M8 x 1.25	
203	4811900	8	Washer M8	
204	1001266345	1	Pump VDC Motor assembly (See Separate Breakdown in this Section)	

FIGURE 8-13. EMERGENCY LOWERING AUXILIARY VALVE & FITTING ASSEMBLY

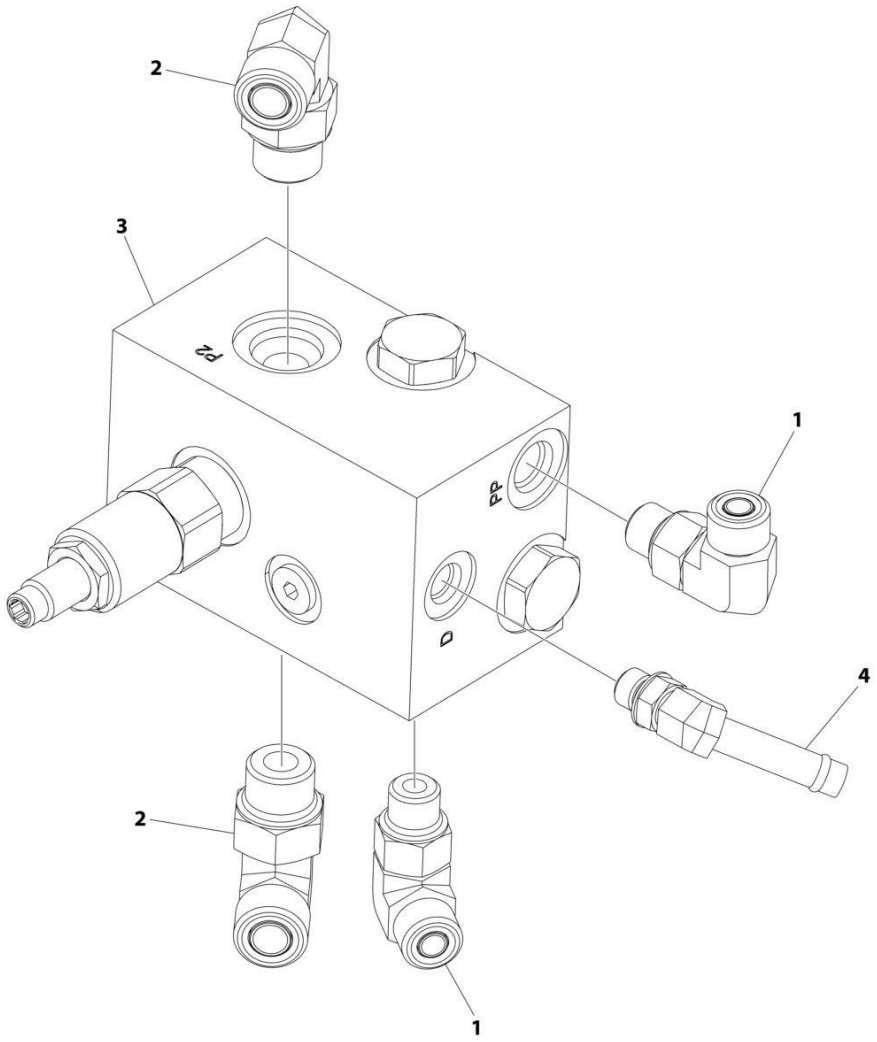


FIGURE 8-13. EMERGENCY LOWERING AUXILIARY VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266880	Ref	EMERGENCY LOWERING AUXILIARY VALVE & FITTING ASSEMBLY	A
1	2130606	2	Fitting, 90	
2	2130808	2	Fitting, 90	
3	1001266879	1	Valve, Auxiliary Reducing	
3	70026310	1	Cartridge, Relief Valve	
3	7022391	2	Cartridge, Check Valve	
4	1001266919	1	Fitting	

FIGURE 8-14. EMERGENCY LOWERING AUXILIARY PUMP & FITTING ASSEMBLY

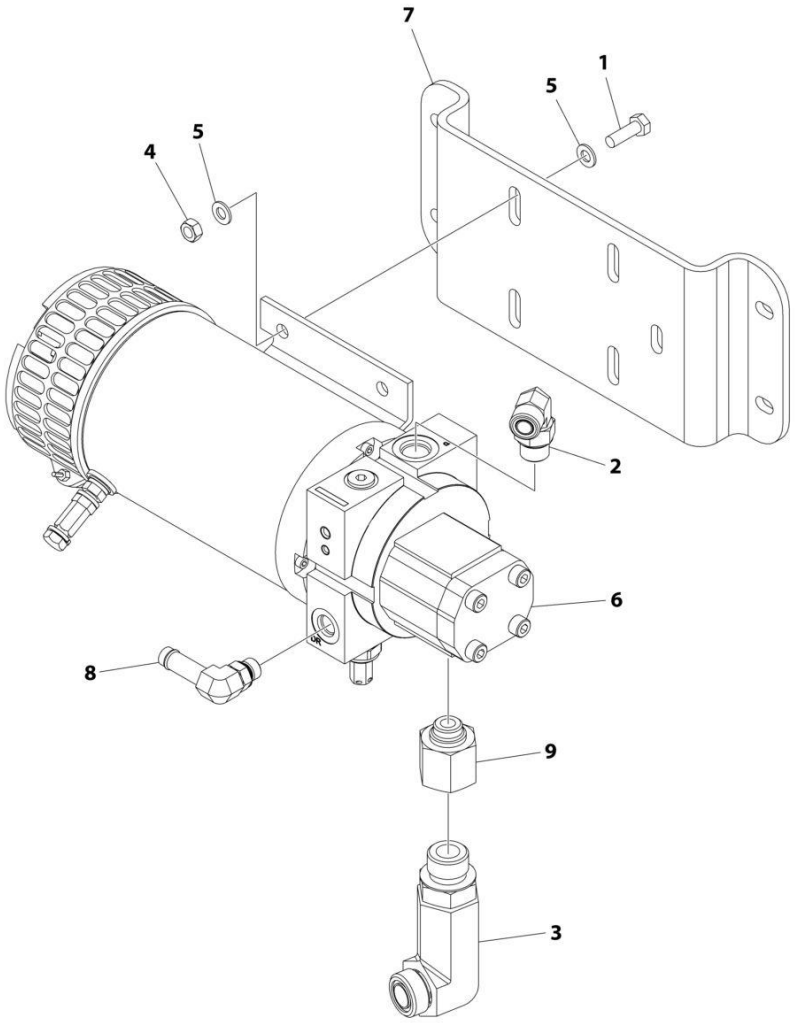


FIGURE 8-14. EMERGENCY LOWERING AUXILIARY PUMP & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266345	Ref	EMERGENCY LOWERING AUXILIARY PUMP & FITTING ASSEMBLY	A
1	0760812	4	Bolt M8 x 25	
2	2130808	1	Adapter, 90	
3	2170212	1	Adapter, 90	
4	3290801	4	Nut M8 x 1.25	
5	4811900	8	Washer M8	
6	1001162880	1	Pump/Motor Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
7	1001266281	1	Bracket	
8	1001266918	1	Fitting	
9	1001270843	1	Adapter	

FIGURE 8-15. ENGINE BAY HYDRAULIC INSTALLATION

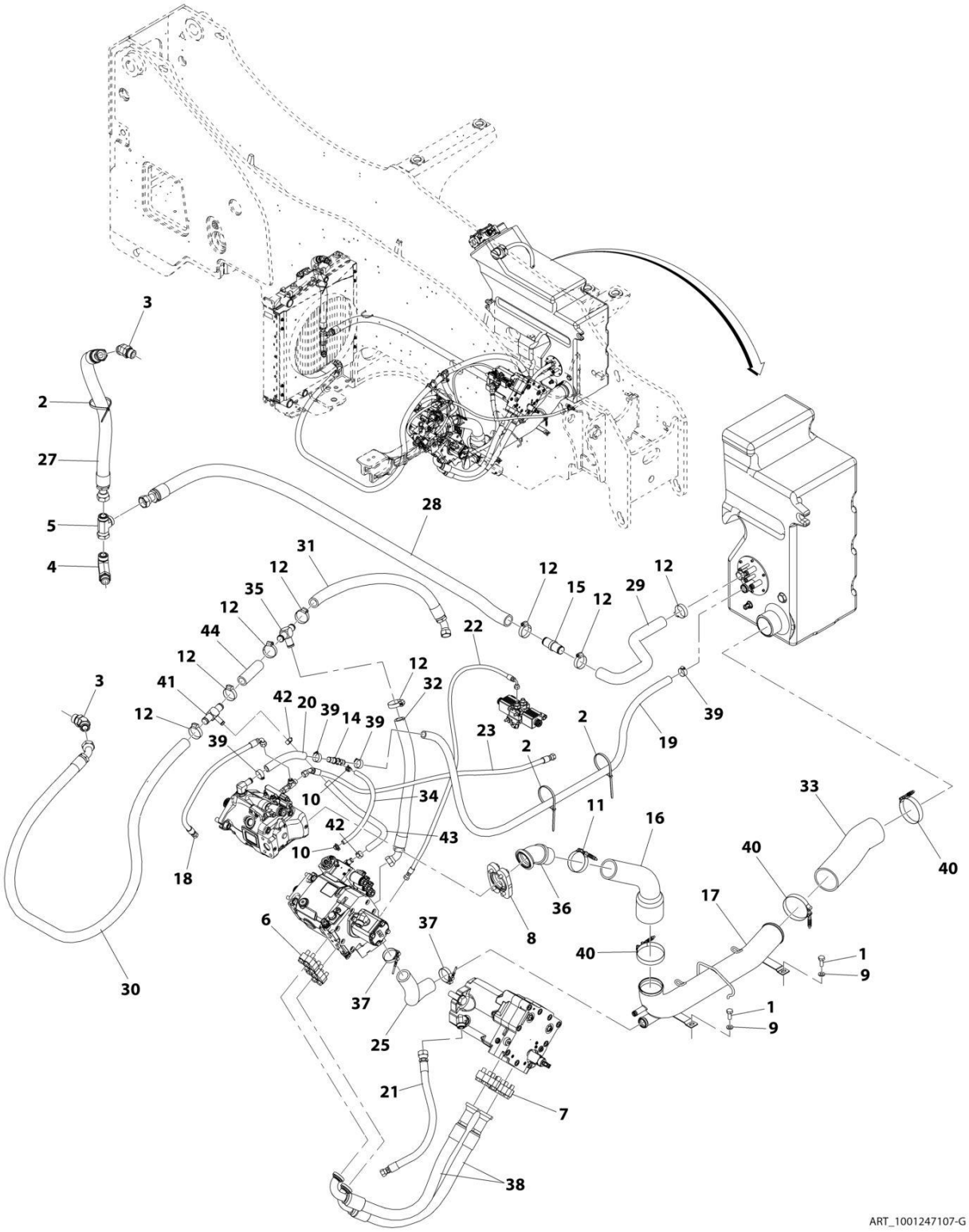


FIGURE 8-15. ENGINE BAY HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247107	Ref	Engine Bay Hydraulic Installation	G
1	0761012	4	Bolt, M10X25	
2	1062255	5	Strap, Tie	
3	2151616	2	Fitting, ORFS	
4	2170216	1	Fitting, ORFS	
5	2170716	1	Fitting, ORFS	
6	2171716	2	Flange Kit	
7	2171733	2	Flange Kit	
8	2171840	1	Flange Kit	
9	4812000	4	Washer, M10	
10	1001152729	2	Clamp	
11	1001253228	1	Clamp	
12	8405103	8	Gear Clamp	
14	1001137132	1	Fitting	
15	1001212921	1	Adapter	
16	1001247108	1	Hose	
17	1001247109	1	Hose	
18	1001263934	1	Hose	
19	1001247116	1	Hose	
20	1001247117	1	Hose	
21	1001247118	1	Hose	
22	1001247119	1	Hose	
23	1001247120	1	Hose	
25	1001247123	1	Hose	
27	1001247125	1	Hose	
28	1001247126	1	Hose	
29	1001247127	1	Hose	
30	1001247128	1	Hose	
31	1001247129	1	Hose	
32	1001247130	1	Hose	
33	1001247166	1	Hose	
34	1001247364	1	Hose	
35	1001247736	1	Fitting	
36	1001247739	1	Fitting	
37	1001014224	2	Clamp	
38	1001255538	2	Hose	
39	8405007	6	Clamp	
40	1001253072	3	Clamp	
41	1001258019	1	Fitting	
42	8410009	2	Clamp, Gear	
43	1001257346	1	Hose	
44	1001257347	1	Hose	

FIGURE 8-16. FRAME HYDRAULICS INSTALLATION

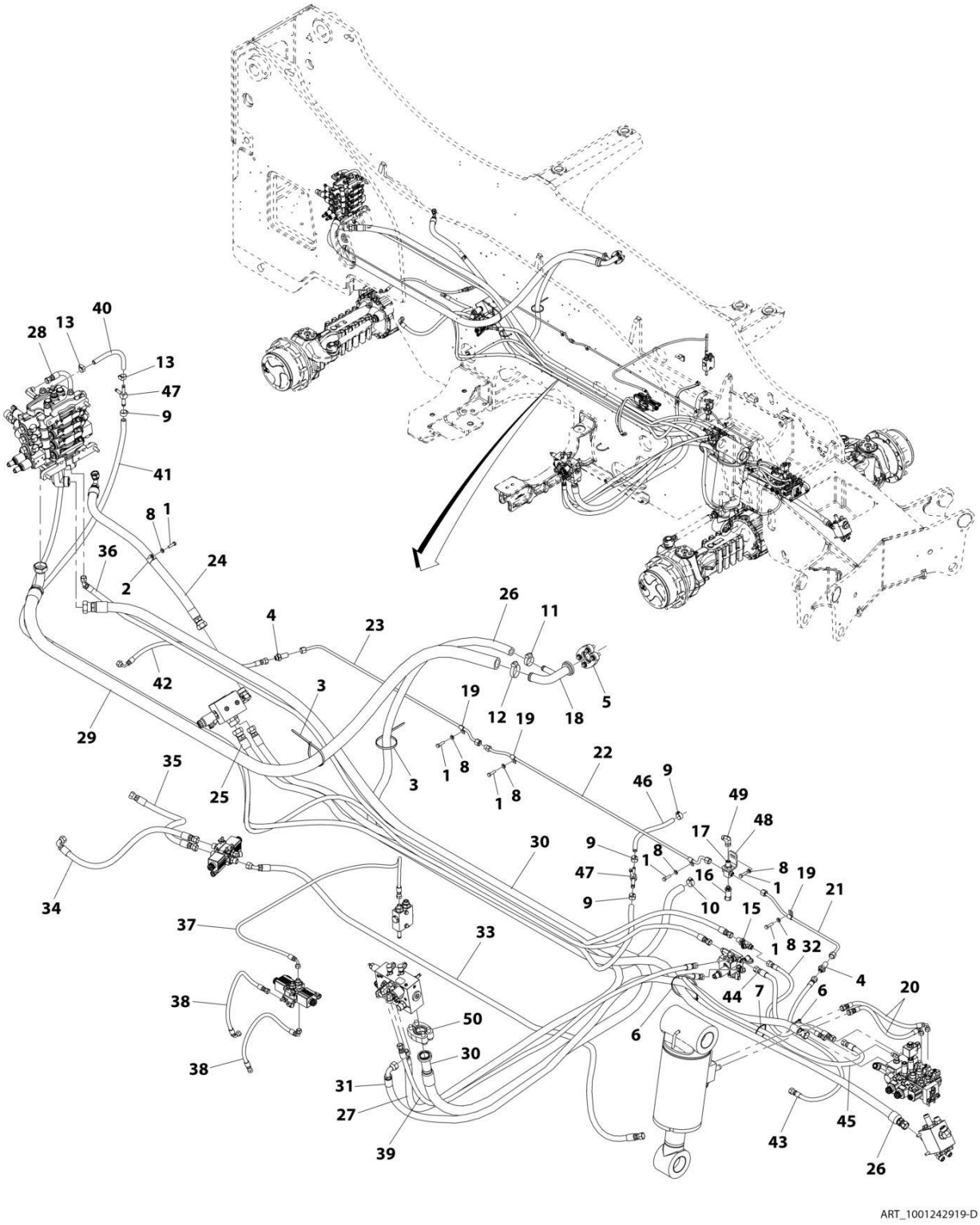


FIGURE 8-16. FRAME HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242919	Ref	Frame Hydraulics Installation	D
1	0760814	6	Bolt, M8X30	
2	1009352	1	Clip	
3	1062255	2	Strap, Tie	
4	2171106	2	Fitting	
5	2171824	1	Fitting	
6	4240018	2	Strap, Cable Tie	
7	4240099	1	Strap, Tie	
8	5240800	6	Washer, M8	
9	8405006	4	Clamp, Gear	
10	8405007	1	Clamp, Gear	
11	8405101	1	Clamp, Gear	
12	8405103	1	Clamp, Gear	
13	8410013	2	Clamp, Gear	
15	88662434	1	Fitting	
16	1001147340	1	Sensor, Pressure Transducer	
17	1001205756	1	Adapter	
18	1001244441	1	Hose	
19	1001245862	4	Clip	
20	1001245874	2	Hose	
21	1001246468	1	Pipe, Front Brake	
22	1001246469	1	Pipe, Rear Brake	
23	1001246470	1	Pipe, Rear Brake	
24	1001246597	1	Hose	
25	1001246600	1	Hose	
26	1001246601	1	Hose	
27	1001246602	1	Hose	
28	1001246603	1	Hose	
29	1001246604	1	Hose	
30	1001255935	1	Hose	
31	1001246606	1	Hose	
32	1001246607	1	Hose	
33	1001253784	1	Hose	
34	1001246609	1	Hose	
35	1001246642	1	Hose	
36	1001246643	1	Hose	
37	1001246645	1	Hose	
38	1001246646	2	Hose	
39	1001246648	1	Hose	
40	1001246960	1	Hose	
41	1001246961	1	Hose	
42	1001246965	1	Hose	
43	1001246966	1	Hose	
44	1001254895	1	Hose	
45	1001246968	1	Hose	
46	1001247005	1	Hose	
47	1001247713	2	Fitting	
48	1001254037	1	Plate, Angle	
49	2172106	1	Adapter, 90	
50	2171733	1	Fitting	

FIGURE 8-17. FRAME SWAY INSTALLATION

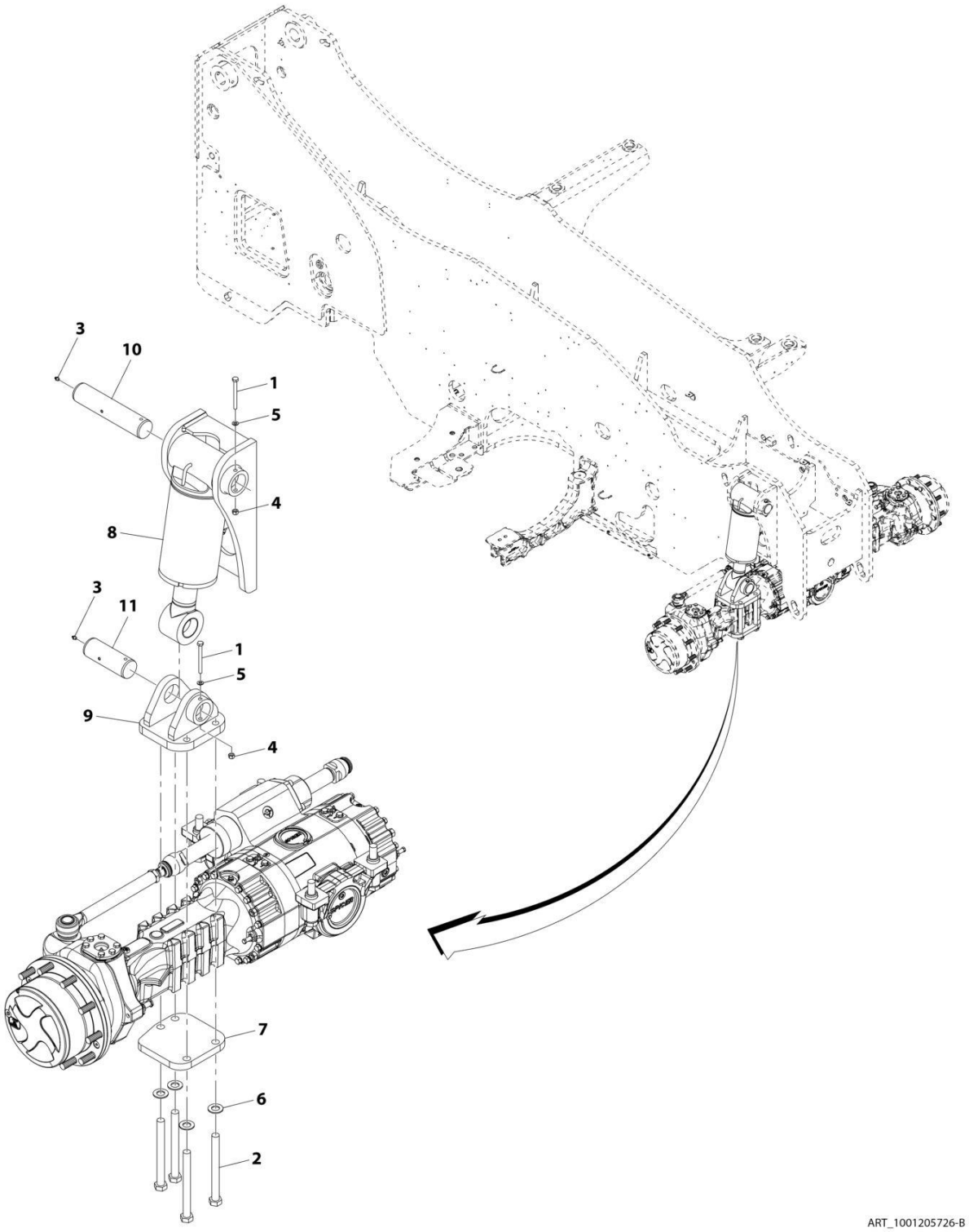
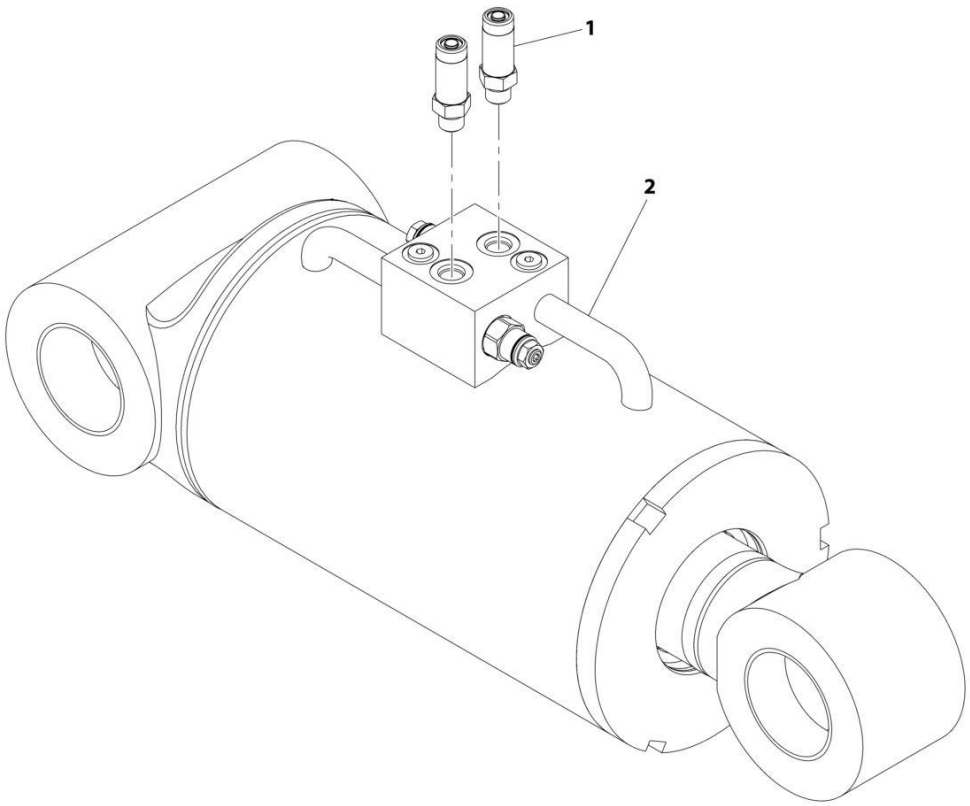


FIGURE 8-17. FRAME SWAY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205726	Ref	Frame Sway Installation	B
1	0701028	2	Screw, M10X110	
2	0712442	4	Screw, M24X250	
3	2160016	2	Fitting, Grease	
4	3291005	2	Nut, Lock M10X1.5 Grade 8	
5	4812000	2	Washer, M10	
6	5242400	4	Washer, M24	
7	1001177047	1	Plate, Frame Level	
8	1001205727	1	Installation, Sway Cylinder (See Separate Breakdown in this Section)	
9	1001246557	1	Bracket, Axle Sway/RAS	
10	1001246560	1	Pin	
11	1001246561	1	Pin	

FIGURE 8-18. FRAME SWAY CYLINDER INSTALLATION



ART_1001205727-A

FIGURE 8-18. FRAME SWAY CYLINDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205727	Ref	Sway Cylinder Installation	A
1	2170106	2	Fitting	
2	1001174987	1	Assembly, Frame Level Cylinder (See Separate Breakdown in this Section)	

FIGURE 8-19. FRAME SWAY CONTROL VALVE INSTALLATION

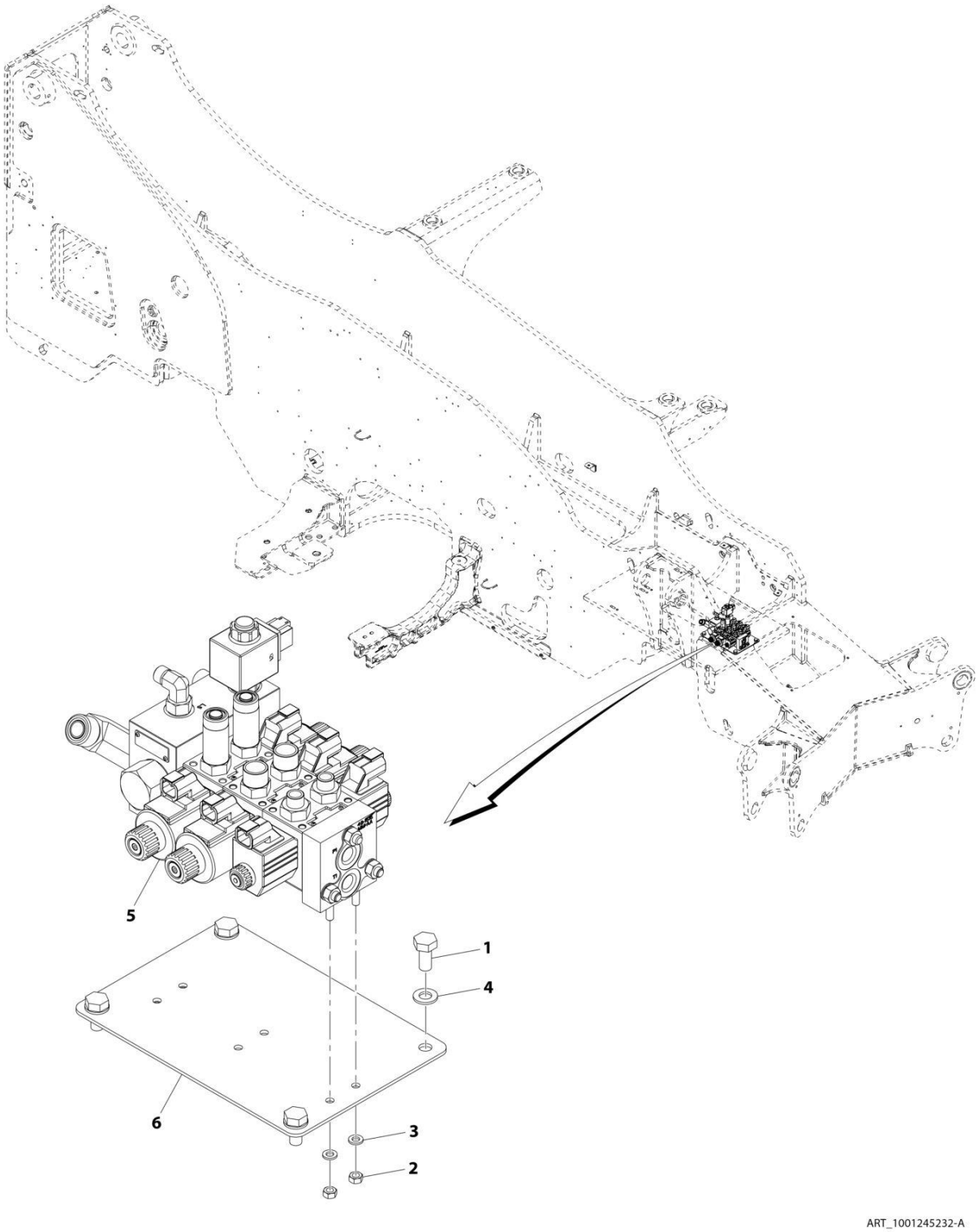


FIGURE 8-19. FRAME SWAY CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245232	Ref	Frame Sway Control Valve Installation	A
1	0761011	4	Bolt, M10 X 22	
2	3290601	4	Nut, M6X1	
3	4811700	4	Washer, M6	
4	4812000	4	Washer, M10	
5	1001245233	1	Assembly, Sway Control Valve (See Separate Breakdown in this Section)	
6	1001245234	1	Plate, Valve Mount	

FIGURE 8-20. FRAME SWAY CONTROL VALVE & FITTING ASEMBLY

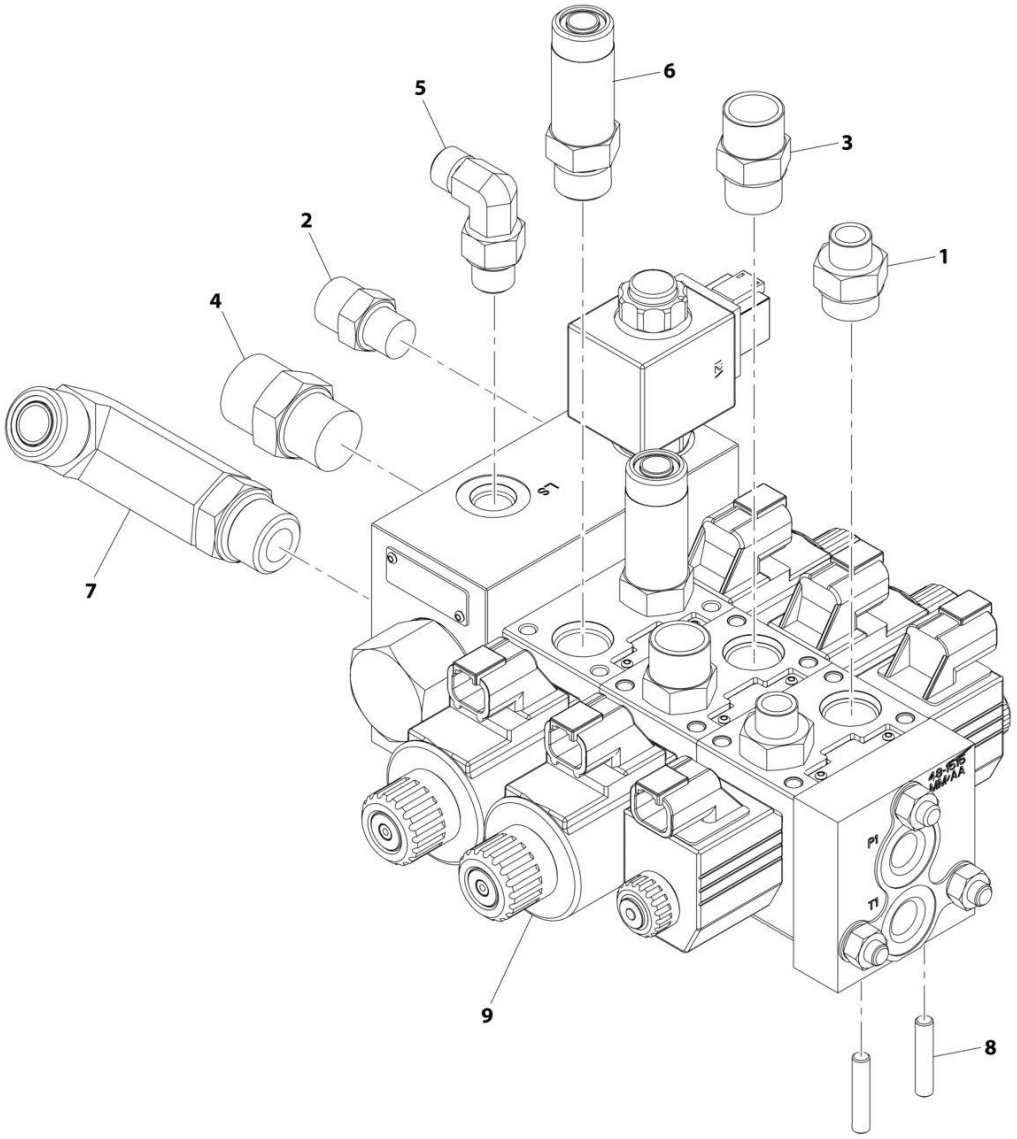


FIGURE 8-20. FRAME SWAY CONTROL VALVE & FITTING ASEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245233	Ref	Sway Control Valve Assembly	A
1	2110408	2	Fitting, Straight ORFS	
2	2110606	1	Fitting, Straight ORFS	
3	2110808	2	Fitting, Straight ORFS	
4	2111010	1	Fitting, Straight ORFS	
5	2130406	1	Fitting, 90 ORFS	
6	2170108	2	Fitting, Straight ORFS	
7	2170210	1	Fitting, 90 ORFS	
8	1001100379	4	Stud, M6X30	
9	1001157972	1	Valve, Level and Stabilization (See Separate Breakdown in Hydraulic Components Section)	

FIGURE 8-21. IMPLEMENT PUMP FILTER ASSEMBLY

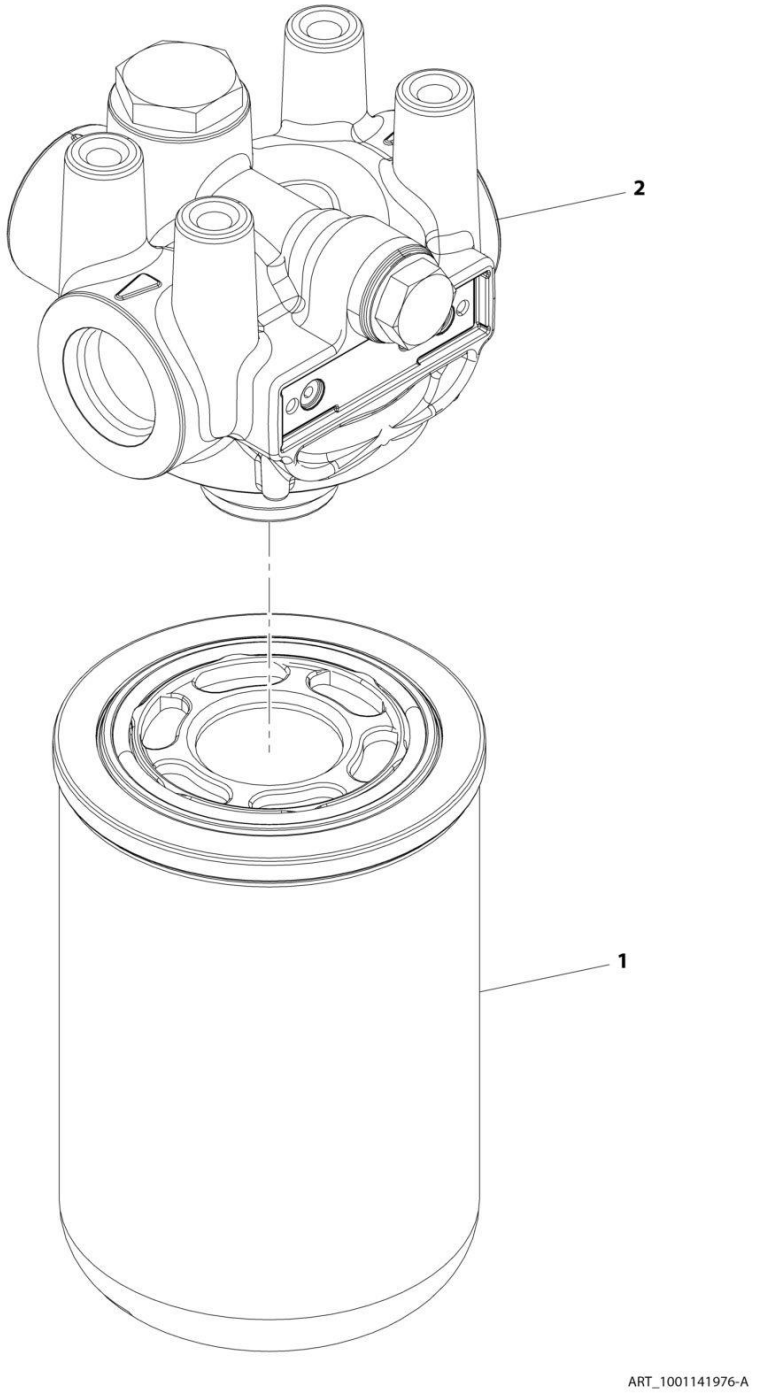


FIGURE 8-21. IMPLEMENT PUMP FILTER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141976	Ref	Implement Pump Filter Assembly	A
1	1001141461	1	Filter	
2	1001141462	1	Pump, Filter	

FIGURE 8-22. MAIN CONTROL VALVE INSTALLATION

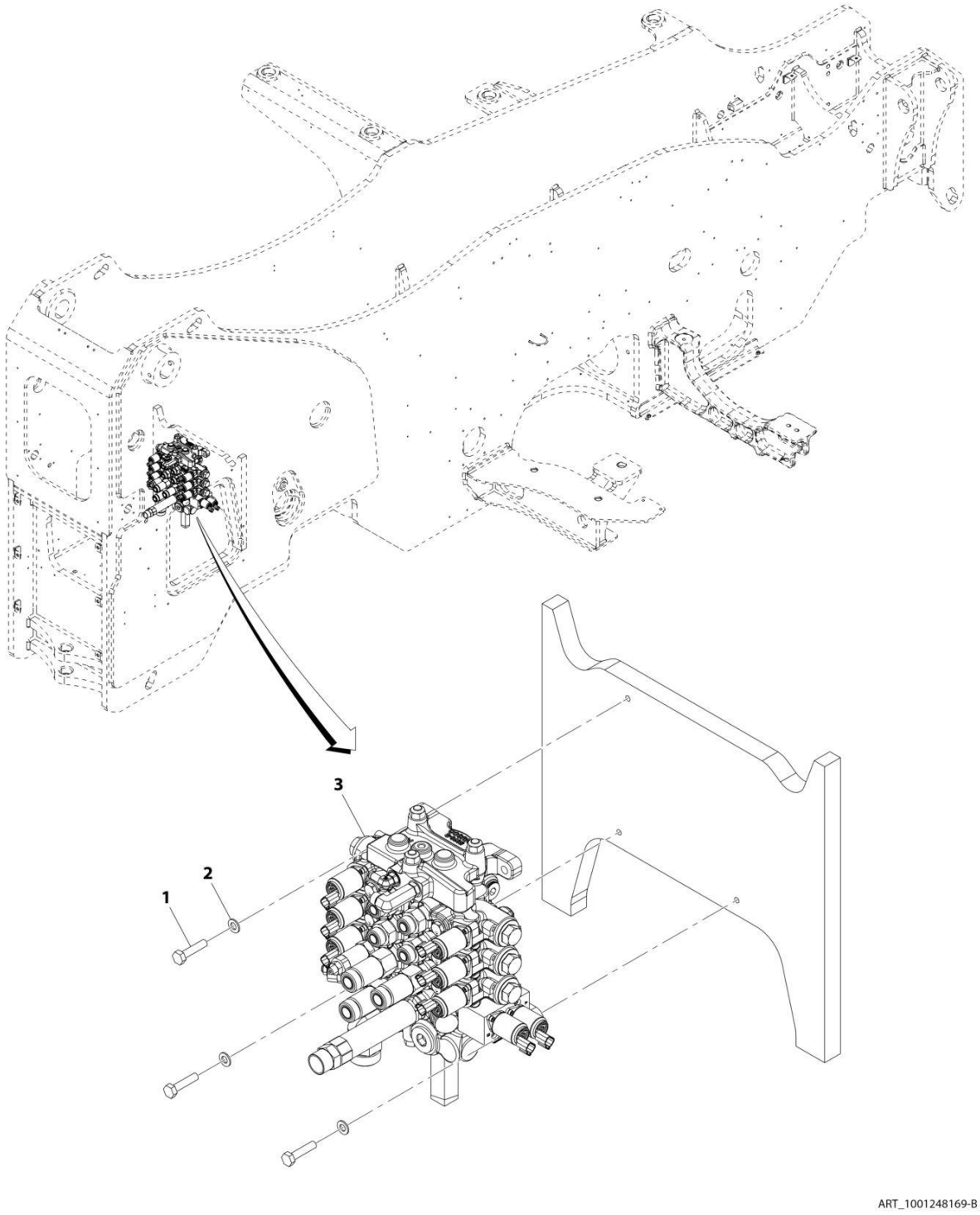


FIGURE 8-22. MAIN CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248169	Ref	Main Control Valve Installation	B
1	0701017	3	Bolt, M10X45	
2	4812000	3	Washer, M10	
3	1001242651	1	Assembly, Main Control Valve (See Separate Breakdown in this Section)	

FIGURE 8-23. MAIN CONTROL VALVE & FITTINGS ASSEMBLY

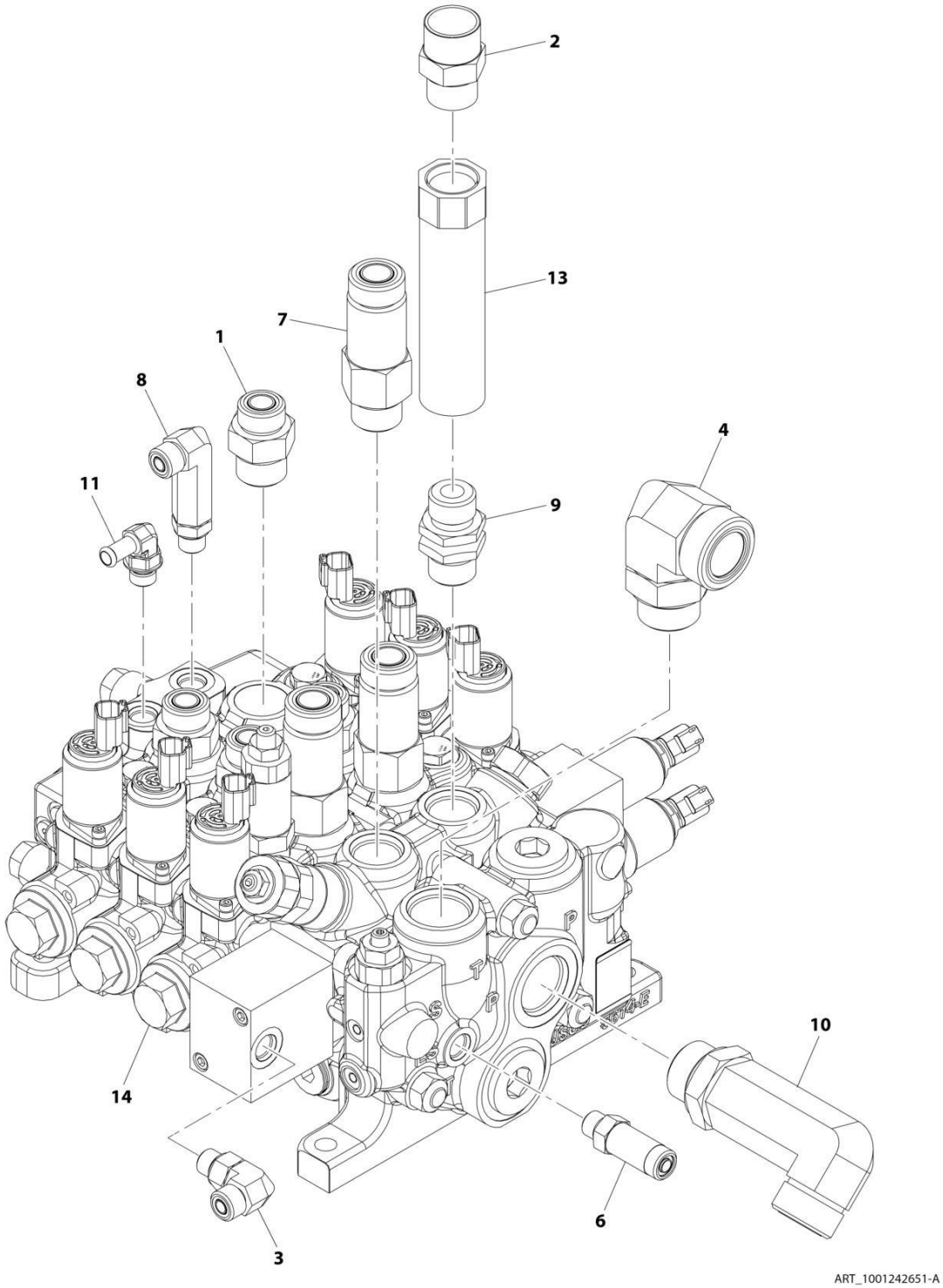


FIGURE 8-23. MAIN CONTROL VALVE & FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242651	Ref	Main Control Valve Assembly	A
1	2111012	4	Fitting, Straight ORFS	
2	2111212	1	Fitting, Straight ORFS	
3	2130606	1	Fitting, 90	
4	2132016	1	Fitting, 90	
6	2170106	1	Fitting	
7	2170112	3	Fitting	
8	2170206	1	Fitting	
9	8770030	1	Fitting	
10	2170216	1	Fitting, ORFS	
11	1001178776	1	Fitting	
13	1001224946	1	Valve, Check	
14	1001242634	1	Valve, Main Control (See Separate Breakdown in Hydraulic Components Section)	

FIGURE 8-24. OUTRIGGER HYDRAULICS INSTALLATION

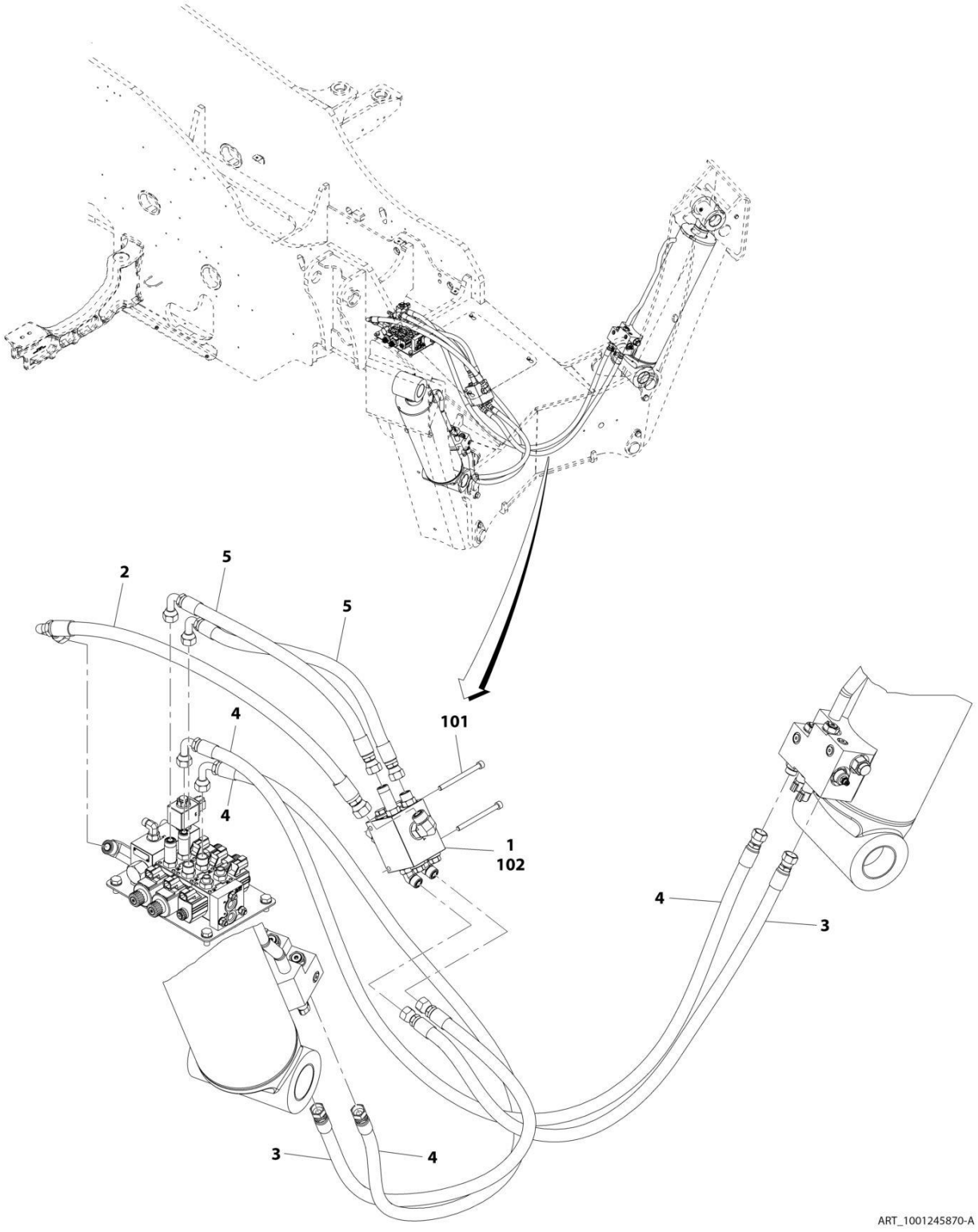


FIGURE 8-24. OUTRIGGER HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245870	Ref	Outrigger Hydraulics Installation	A
1	1001244408	1	Installation, Valve Outrigger Exhaust (includes items 101 & 102)	
2	1001245875	1	Hose	
3	1001245871	2	Hose	
4	1001245872	2	Hose	
5	1001245873	2	Hose	
101	1001093277	2	Bolt, M8X100	
102	1001243326	1	Assembly, Outrigger Exhaust Valve (See Separate Breakdown in this Section)	

FIGURE 8-25. OUTRIGGER EXHAUST VALVE ASSEMBLY

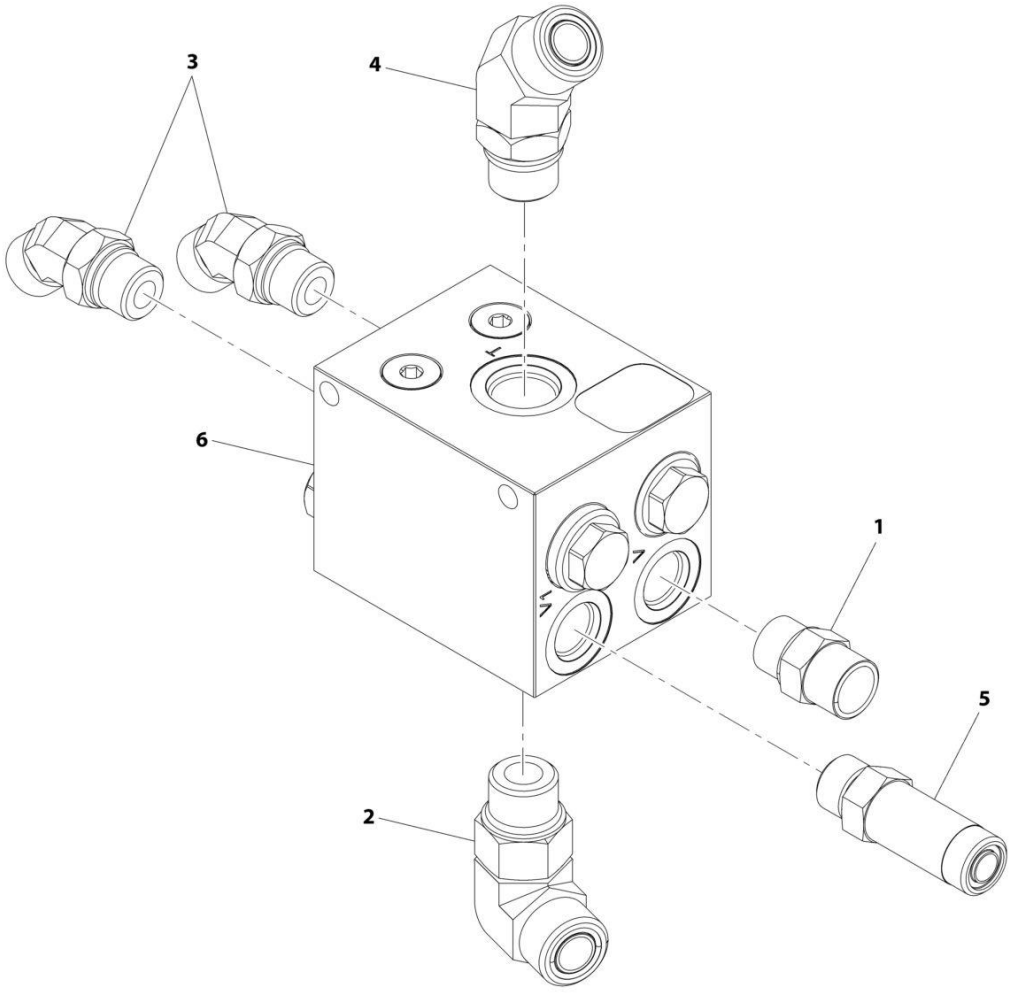


FIGURE 8-25. OUTRIGGER EXHAUST VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243326	Ref	Outrigger Exhaust Valve Assembly	B
1	2110808	1	Fitting, Straight ORFS	
2	2131010	1	Fitting, ORFS	
3	2150808	2	Fitting, 45 ORFS	
4	2151010	1	Fitting	
5	2170108	1	Fitting, Straight ORFS	
6	1001243325	1	Valve, Outrigger Exhaust	

FIGURE 8-26. PRIORITY VALVE INSTALLATION

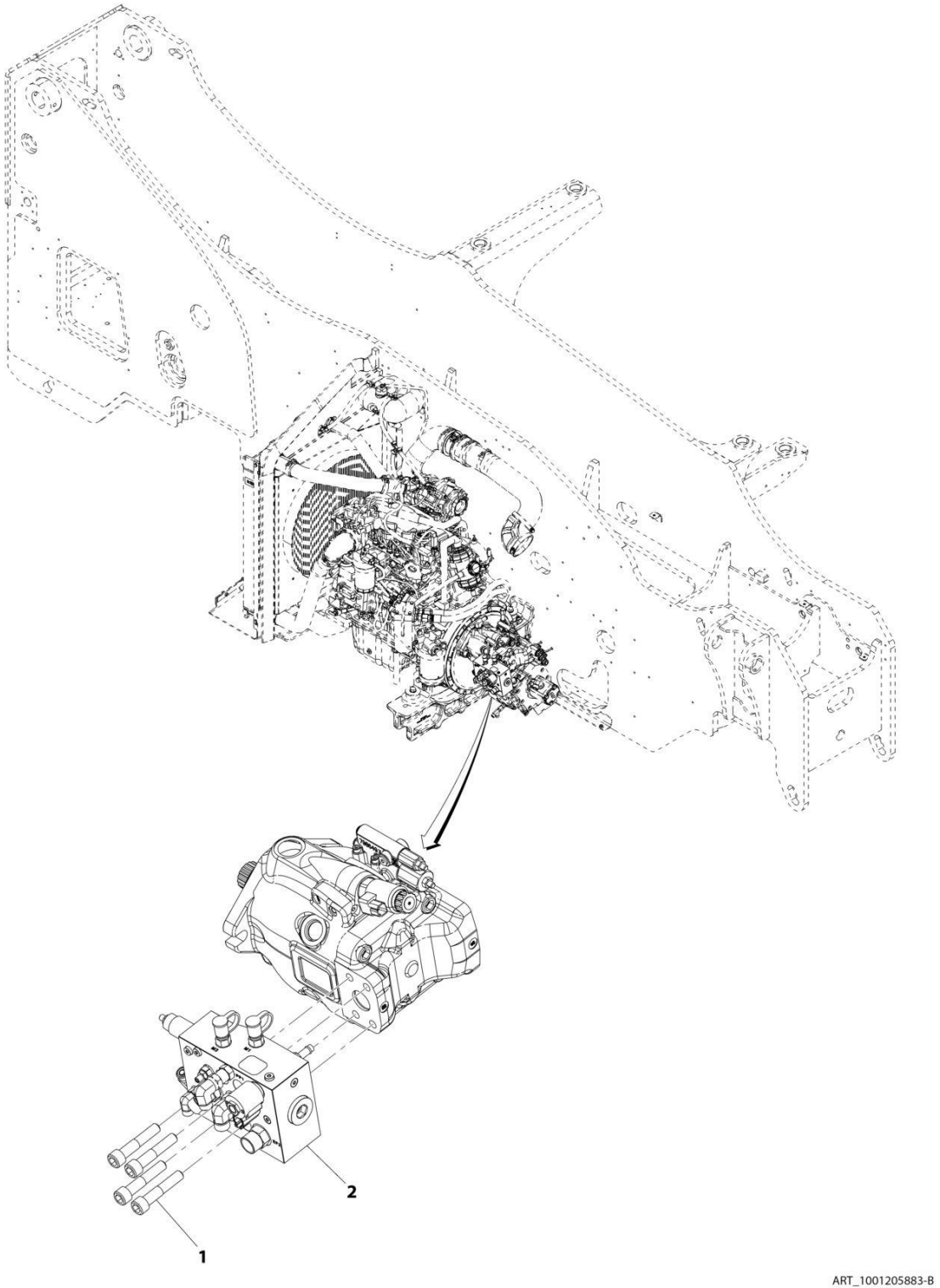


FIGURE 8-26. PRIORITY VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205883	Ref	Priority Valve Installation	B
1	3900368	4	Bolt, M14X70	
2	1001242813	1	Assembly, Priority Valve (See Separate Breakdown in this Section)	

FIGURE 8-27. PRIORITY VALVE & FITTING ASSEMBLY

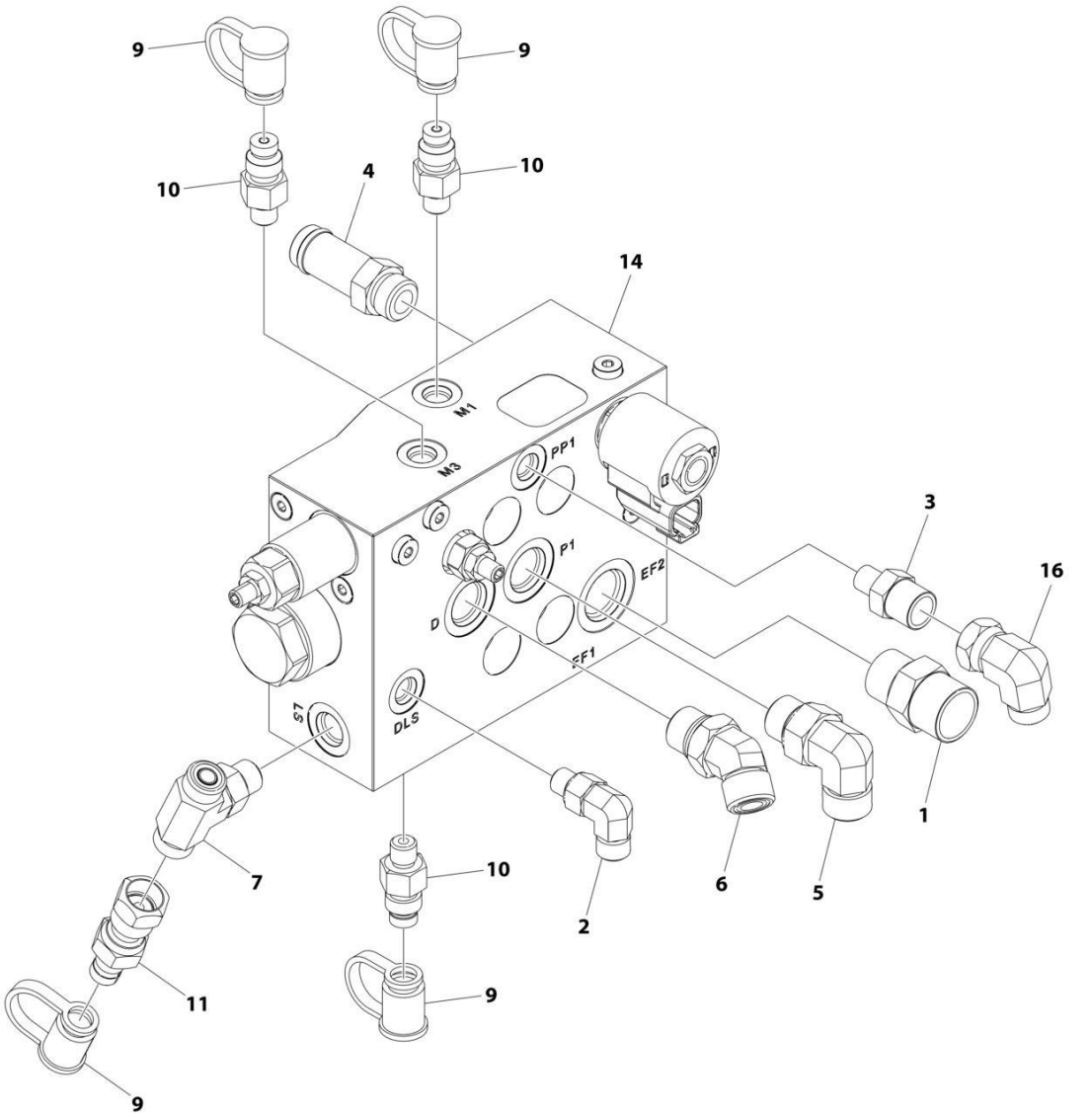


FIGURE 8-27. PRIORITY VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242813	Ref	Priority Valve Assembly	E
1	2111010	1	Fitting, Straight ORFS	
2	2130404	1	Fitting, 90 ORFS	
3	2110604	1	Fitting, Straight ORFS	
4	1001258014	1	Fitting, Straight ORFS	
5	2130808	1	Fitting, 90 ORFS	
6	2150808	1	Fitting, 45 ORFS	
7	2170406	1	Fitting	
9	8430032	4	Plug	
10	8430033	3	Fitting, Straight	
11	8430081	1	Fitting	
14	1001266710	1	Valve, Priority (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
16	2172106	1	Adapter, 90	

FIGURE 8-28. QUICK COUPLER VALVE & FITTING ASSEMBLY

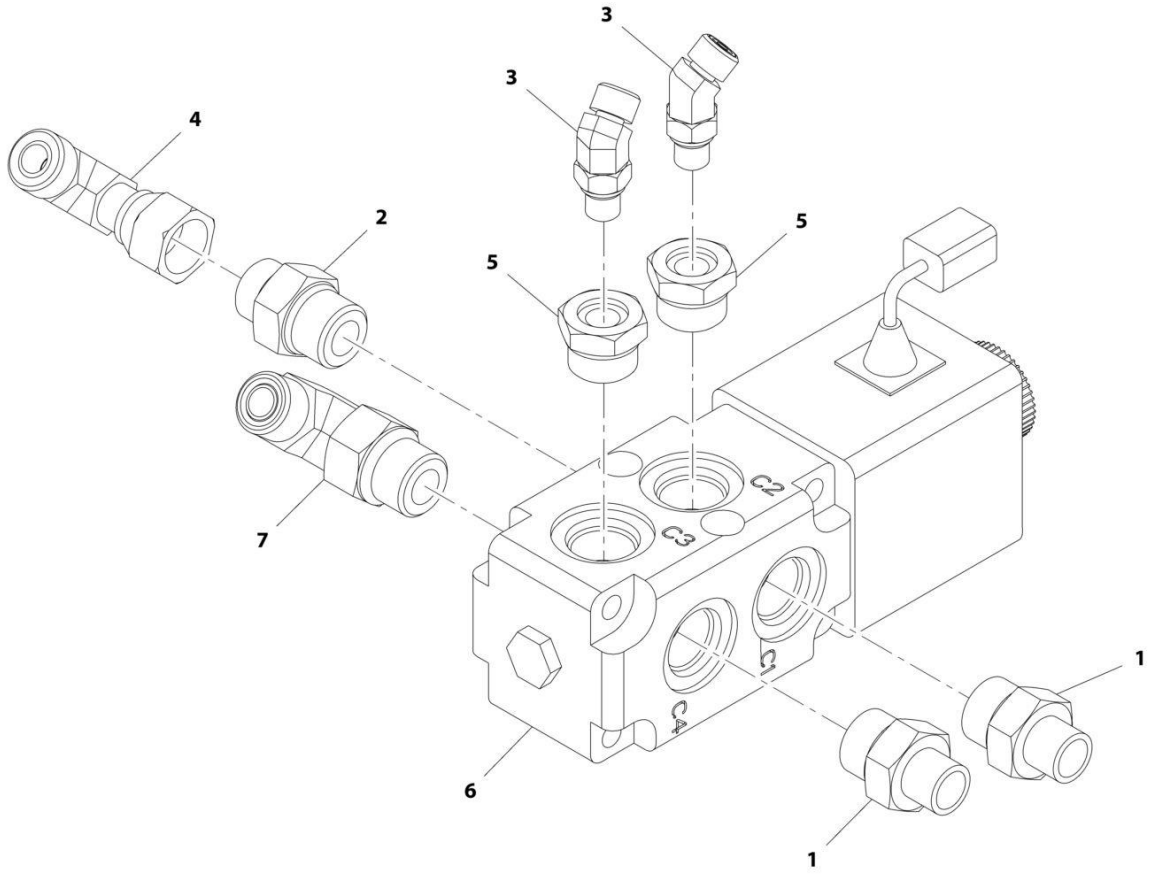


FIGURE 8-28. QUICK COUPLER VALVE & FITTING ASSEMBLY

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

FIGURE 8-29. REAR AXLE STABILIZER INSTALLATION

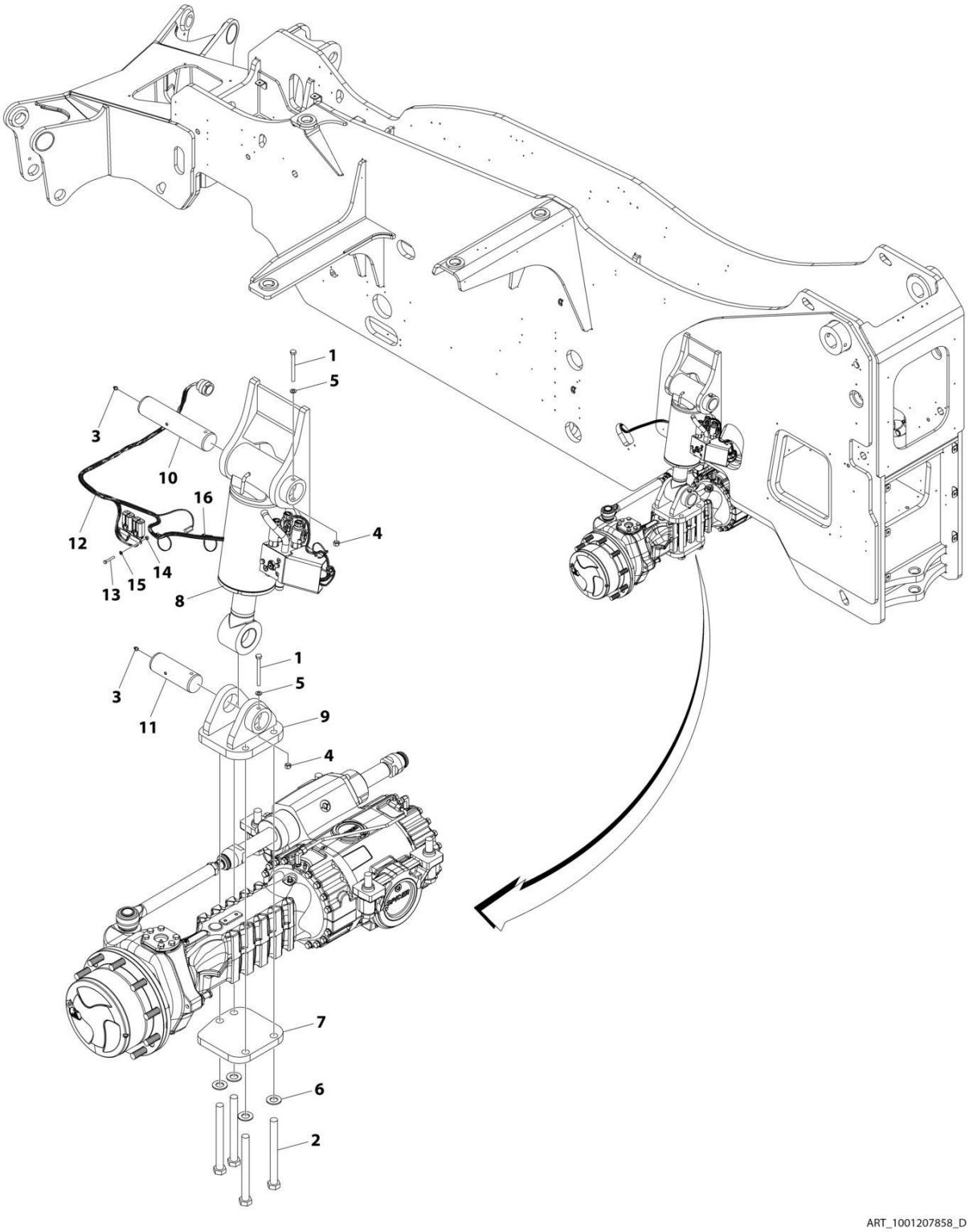


FIGURE 8-29. REAR AXLE STABILIZER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207858	Ref	REAR AXLE STABILIZER INSTALLATION	D
1	0711028	2	Bolt M10 x 110	
2	0712442	4	Bolt M24 x 250	
3	2160016	2	Fitting, Grease	
4	3291005	2	Nut, Lock M10 x 1.5	
5	4812000	2	Washer M10	
6	5242400	4	Washer M24	
7	1001177047	1	Plate, Frame Level	
8	1001243089	1	Rear Axle Stabilizer Cylinder Assembly (See Separate Breakdown in Hydraulic Components Section)	
9	1001246557	1	Bracket	
10	1001246560	1	Pin	
11	1001246561	1	Pin	
12	1001259495	1	Rear Axle Stabilizer Harness (See Separate Breakdown in ELECTRICAL Section)	
13	0700616	3	Bolt M6 x 40	
14	3290605	3	Nut M6	
15	4811700	3	Washer M6	
16	1001008559	4	Strap, Tie	

FIGURE 8-30. REAR AXLE STABILIZER VARIABLE REDUCING VALVE INSTALLATION

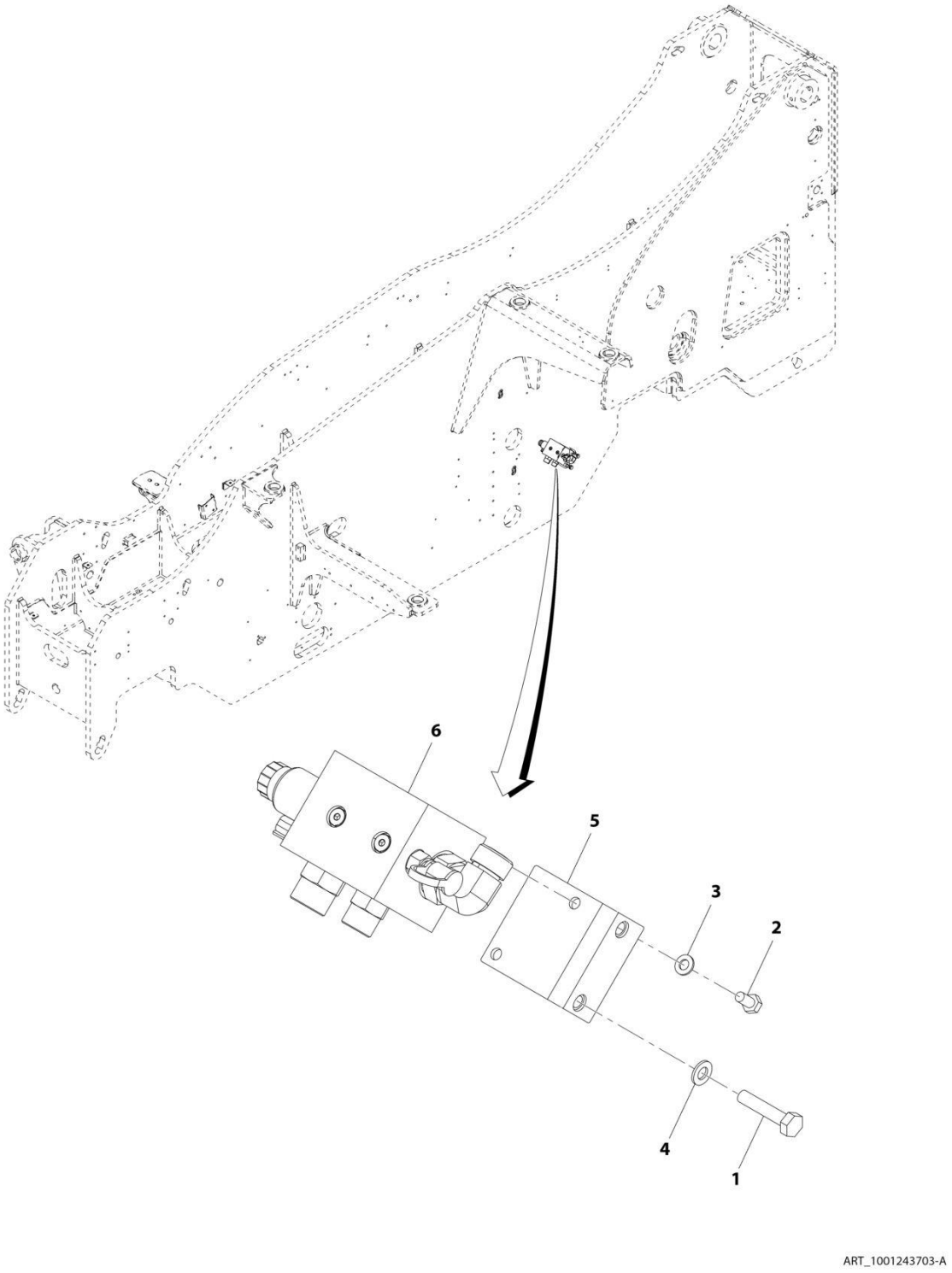


FIGURE 8-30. REAR AXLE STABILIZER VARIABLE REDUCING VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243703	Ref	RAS Variable Reducing Valve Installation	A
1	0701018	2	Bolt, M8X50	
2	0760808	2	Bolt, M8X16	
3	4811900	2	Washer, M8	
4	4812000	2	Washer, M10	
5	1001243691	1	Bracket, Valve	
6	1001243702	1	Assembly, RAS Variable Reducing Valve (See Separate Breakdown in this Section)	

FIGURE 8-31. REAR AXLE STABILIZER VARIABLE REDUCING VALVE & FITTING ASSEMBLY

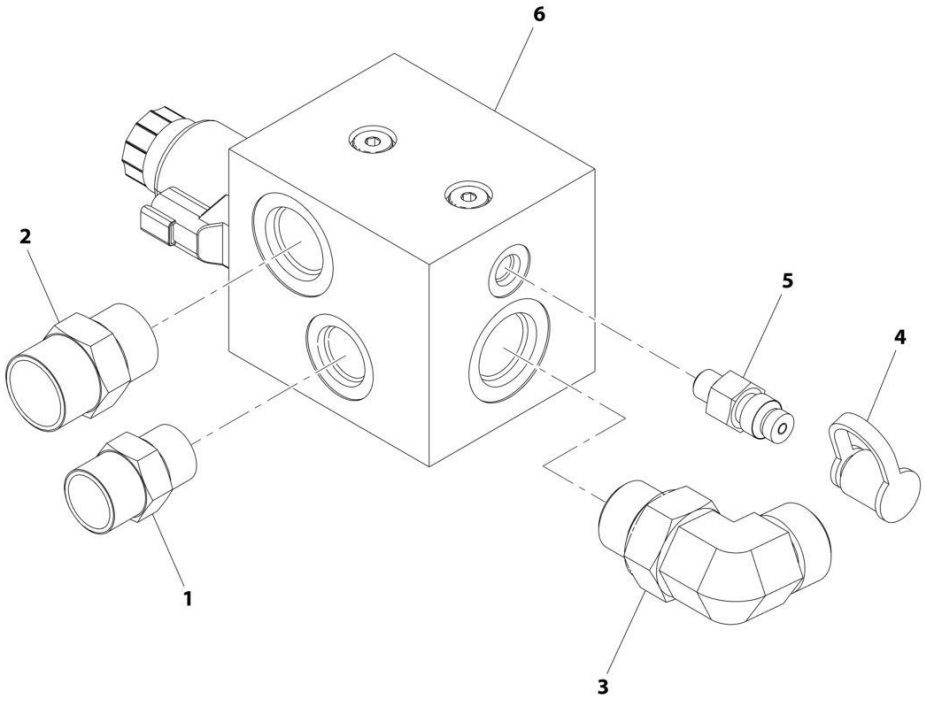
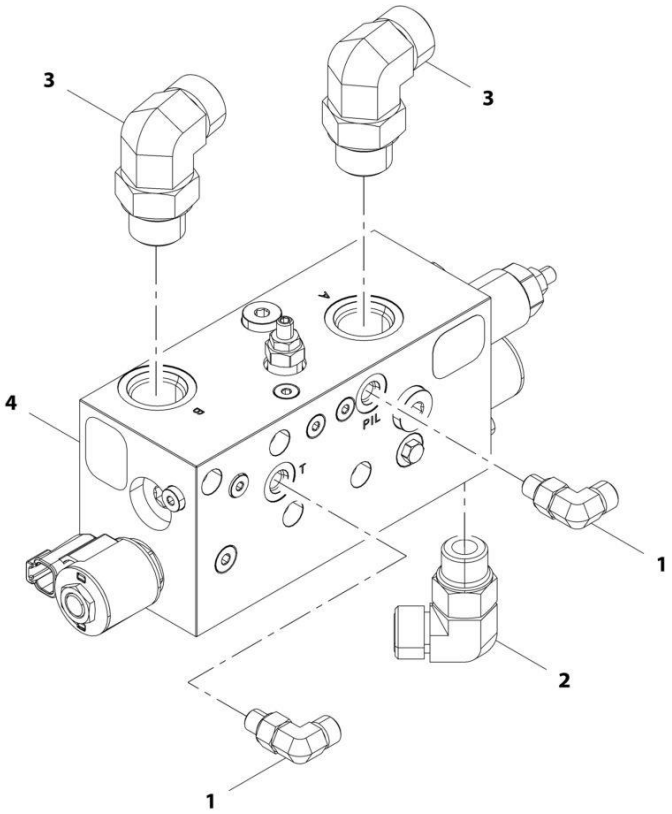


FIGURE 8-31. REAR AXLE STABILIZER VARIABLE REDUCING VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243702	Ref	RAS Variable Reducing Valve Assembly	A
1	2111010	1	Fitting, Straight ORFS	
2	2111212	1	Fitting, Straight ORFS	
3	2131212	1	Fitting, 90 ORFS	
4	8430032	1	Plug	
5	8430033	1	Fitting, Straight	
6	1001243701	1	Valve, Variable Reducing	
	7011367	1	Seal Kit	

FIGURE 8-32. RIDE AND FLOAT VALVE ASSEMBLY



ART_1001219765-B

FIGURE 8-32. RIDE AND FLOAT VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219765	Ref	Ride and Float Valve Assembly	B
1	2130404	2	Fitting, 90 ORFS	
2	2131010	1	Fitting, 90 ORFS	
3	2131212	2	Fitting, 90 ORFS	
4	1001224945	1	Valve, Boom Raise (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 8-33. SAHR VALVE INSTALLATION

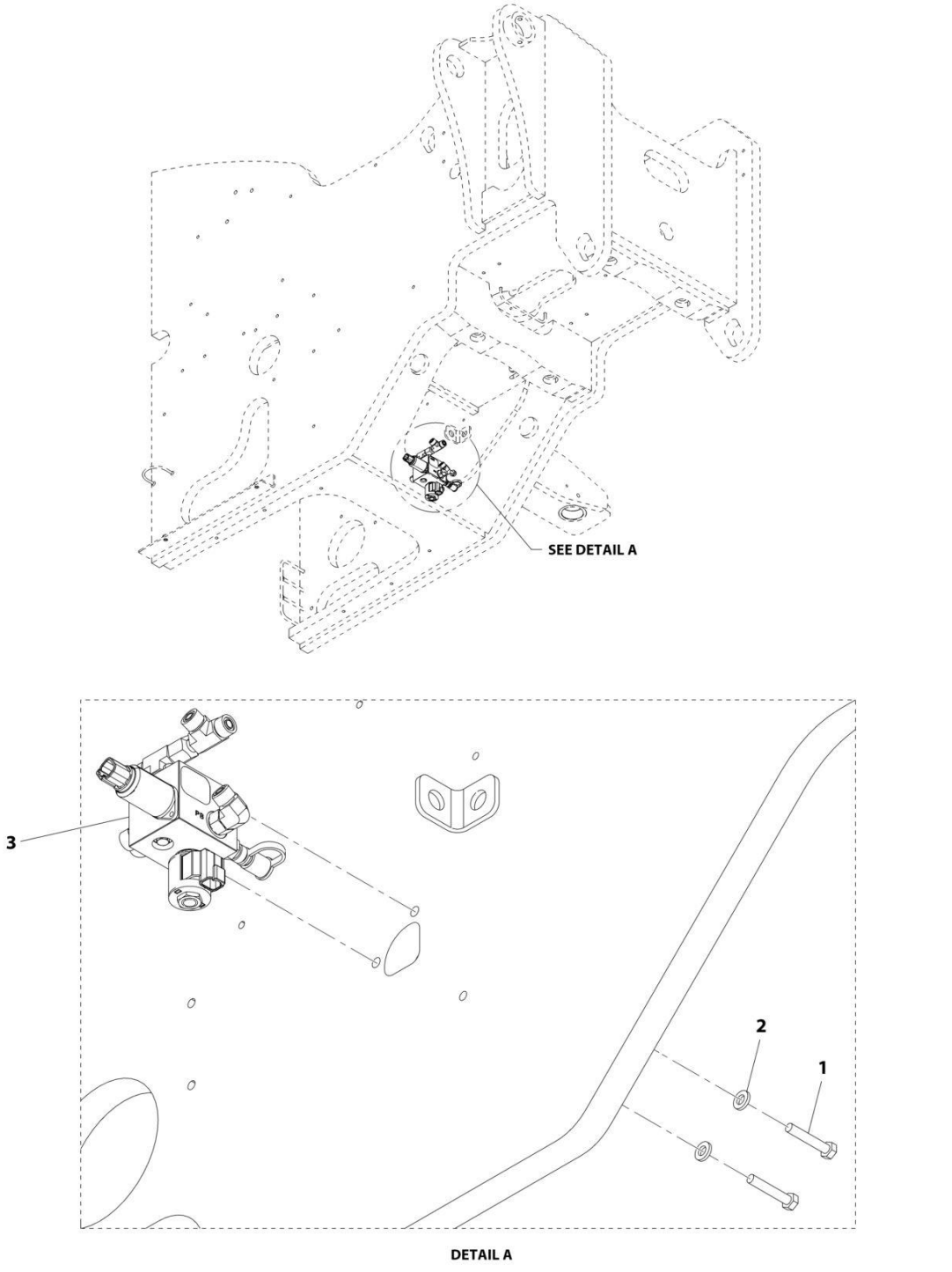


FIGURE 8-33. SAHR VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248354	Ref	SAHR Valve Installation	A
1	0700817	2	Bolt, M8X45	
2	5240800	2	Washer, M8	
3	1001242686	1	Assembly, SAHR Brake Valve (See Separate Breakdown in this Section)	

FIGURE 8-34. SAHR BRAKE VALVE & FITTING ASSEMBLY

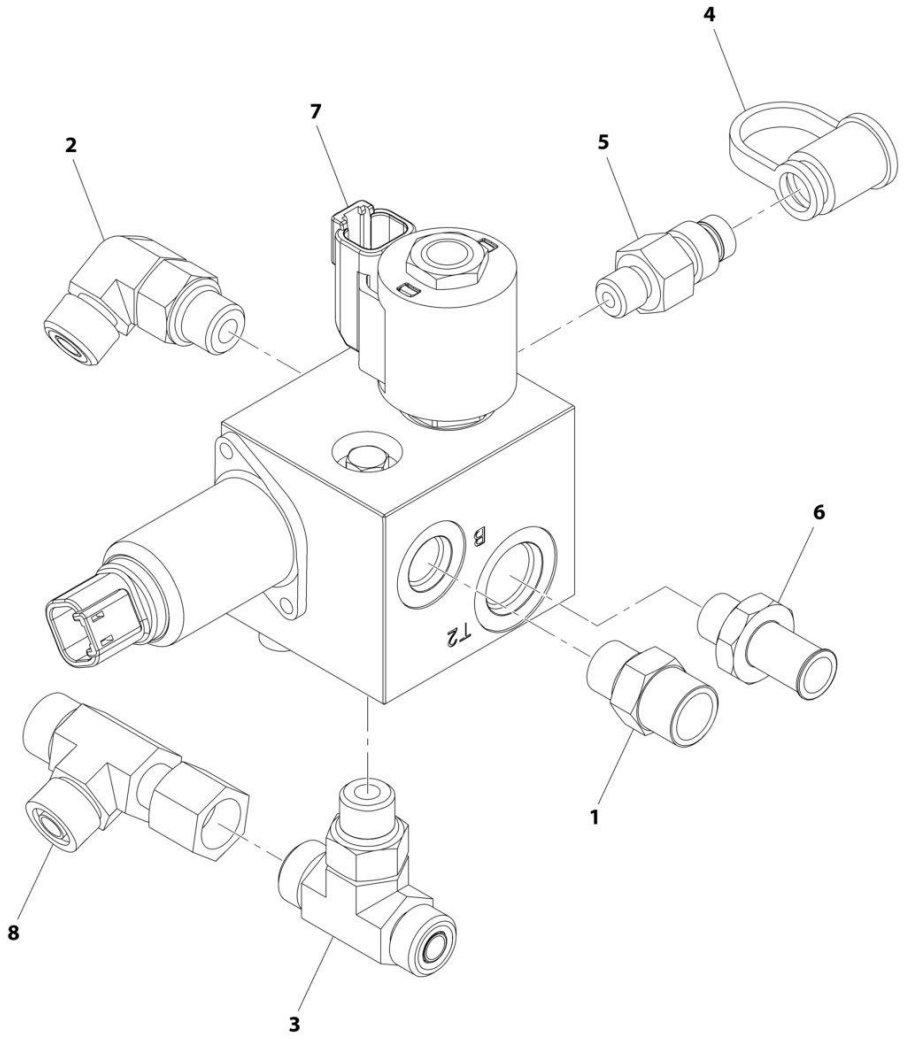


FIGURE 8-34. SAHR BRAKE VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242686	Ref	SAHR Brake Valve Assembly	B
1	2110606	1	Fitting, Straight ORFS	
2	2130606	1	Fitting, 90	
3	2170406	1	Fitting	
4	8430032	1	Plug	
5	8430033	1	Fitting, Straight	
6	1001190631	1	Fitting	
7	1001234127	1	Valve, SAHR Brake (See Separate Breakdown in Hydraulic Components Section)	
8	2170706	1	Fitting	

FIGURE 8-35. SPEED CONTROL VALVE INSTALLATION

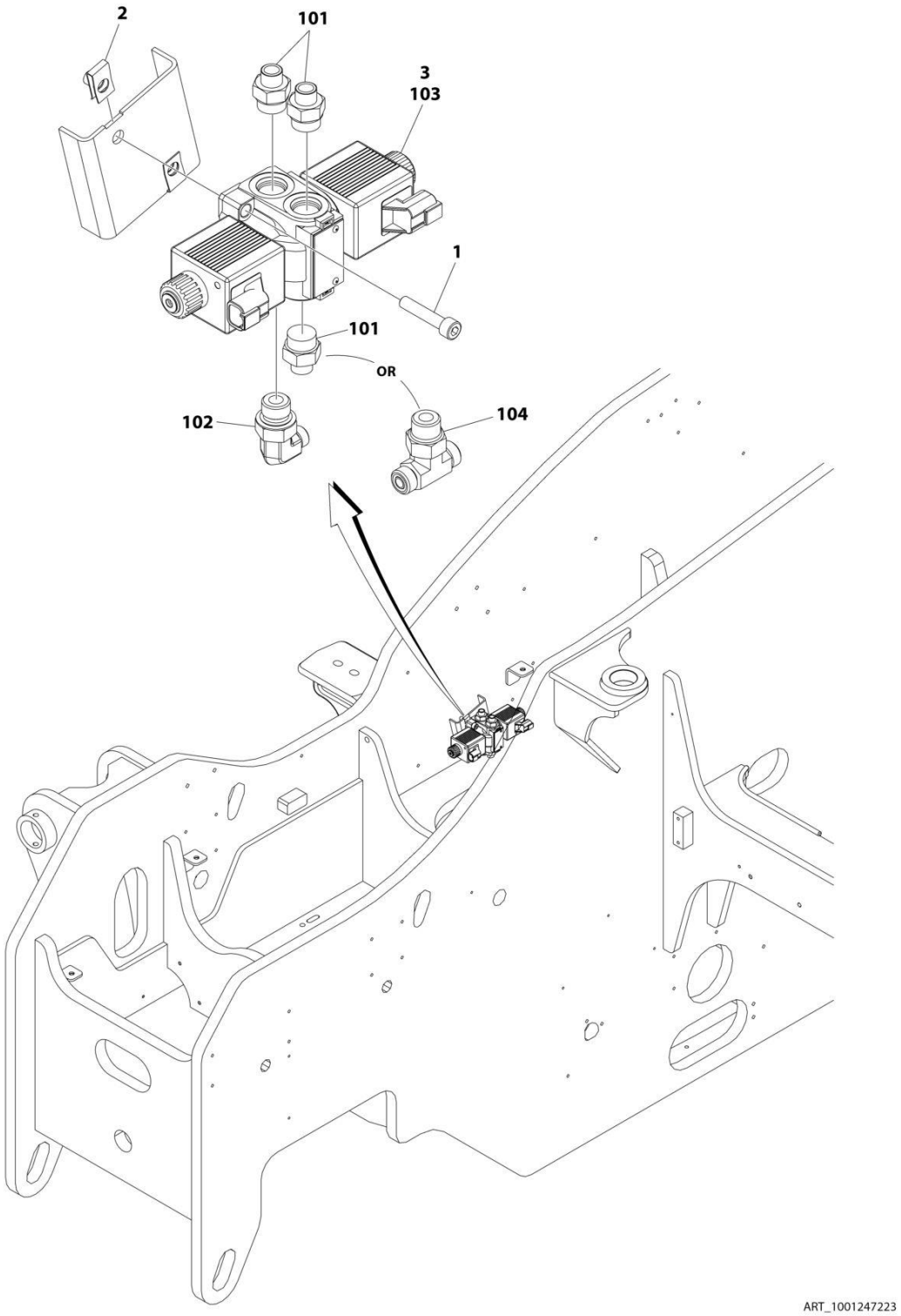


FIGURE 8-35. SPEED CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247223	Ref	Speed Control Valve Installation	A
1	4031912	2	Bolt, M8X40	
2	8310686	2	Nut, Retainer M8X12.5	
3	1001247222	1	Speed Control Valve Assembly	B
101	2110408	AR	Fitting, Straight ORFS	
102	2130408	1	Fitting	
103	4641520	1	Valve, Speed Control	
104	88662447	1	Fitting, Tee ORFS/ORB/ORFS	

FIGURE 8-36. STEERING SELECT VALVE INSTALLATION

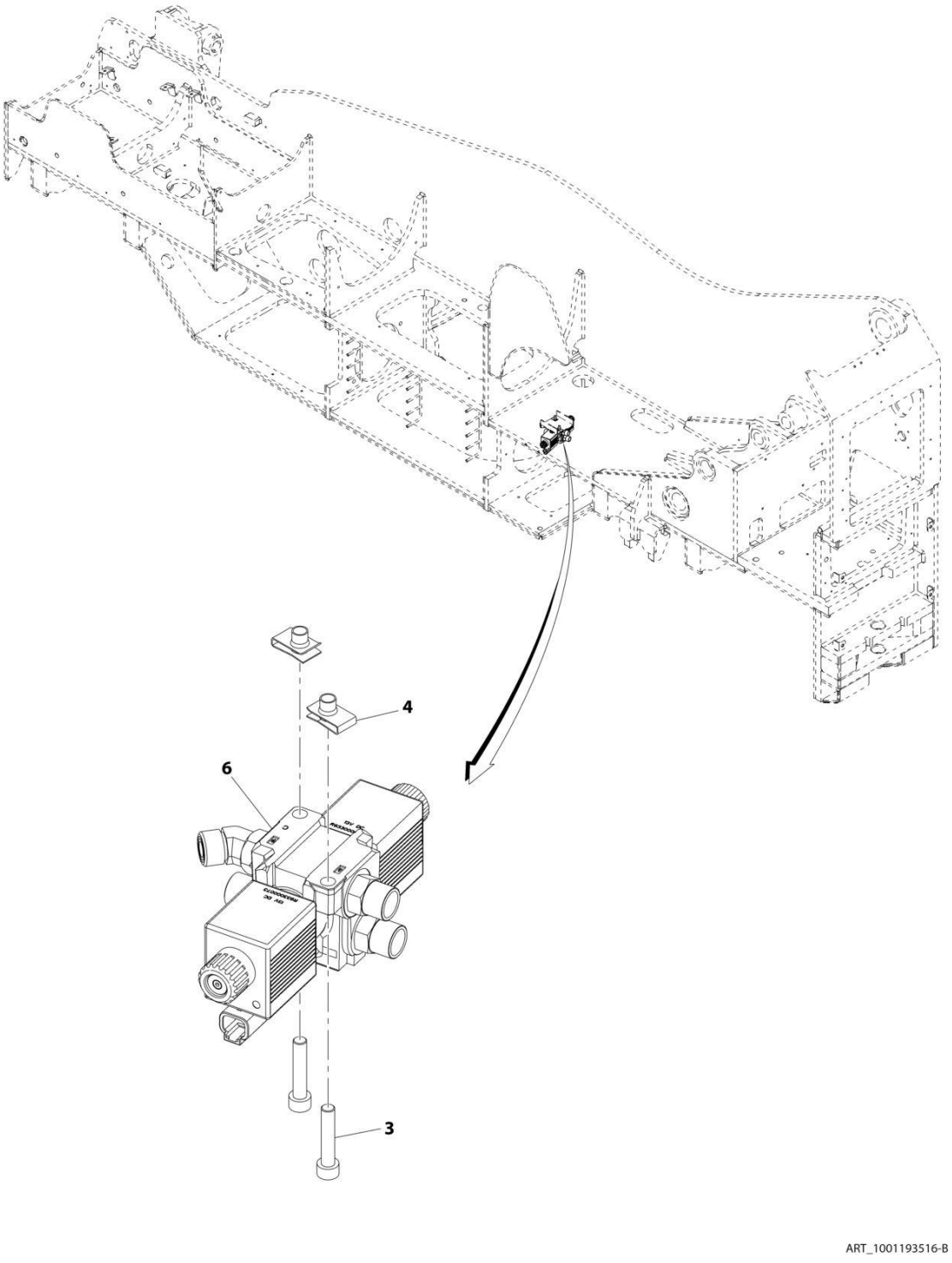


FIGURE 8-36. STEERING SELECT VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193516	Ref	Steering Select Valve Installation	B
3	4031912	2	Bolt, M8X40	
4	8310686	2	Nut, M8X12.5	
6	1001212418	1	Assembly, Steering Select Valve (See Separate Breakdown in this Section)	

FIGURE 8-37. STEERING SELECT VALVE & FITTING ASSEMBLY

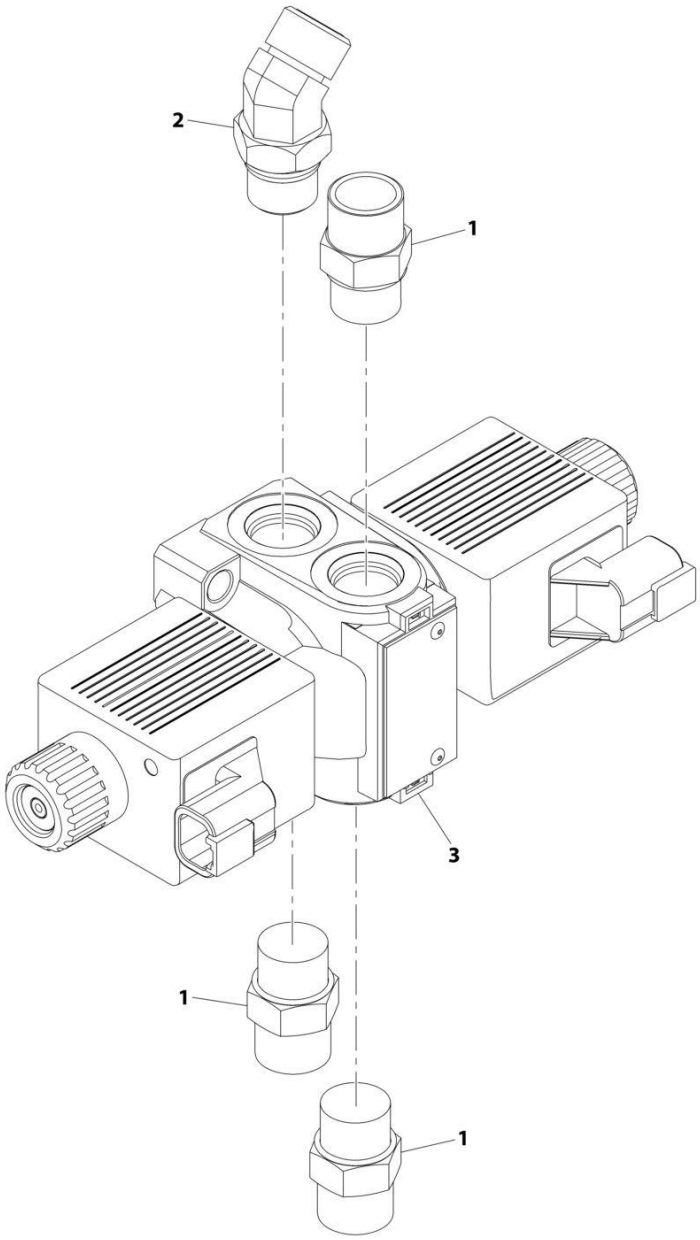
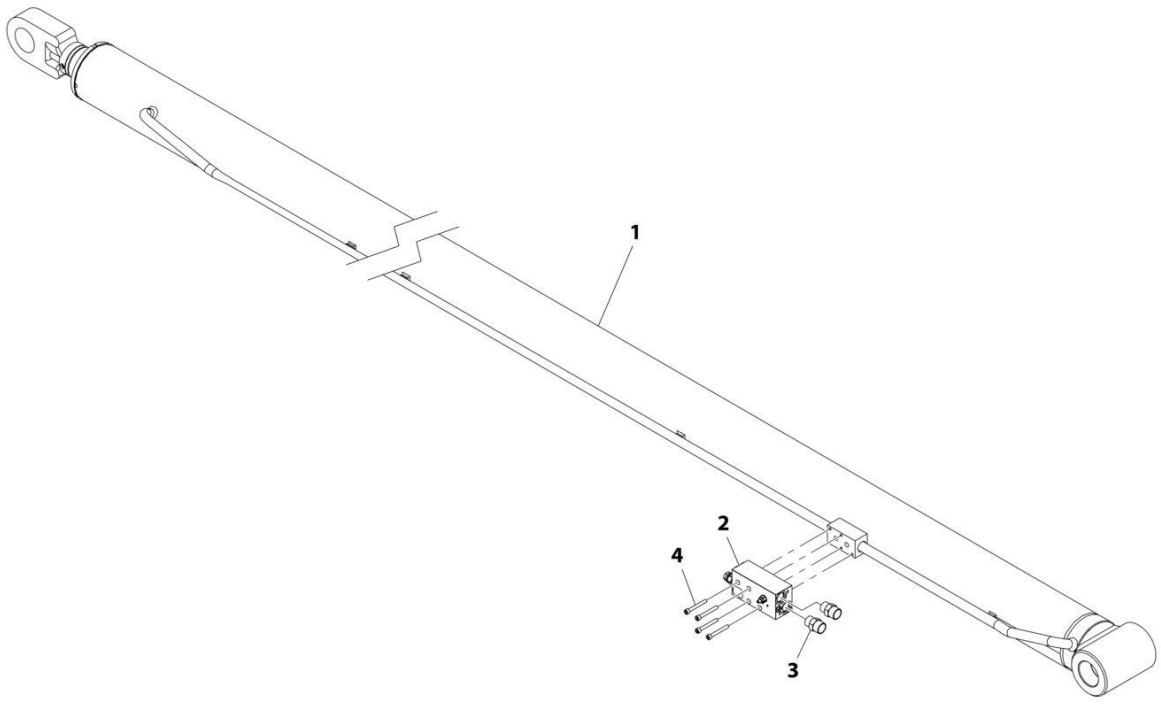


FIGURE 8-37. STEERING SELECT VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212418	Ref	Steering Select Valve Assembly	A
1	2110808	3	Fitting, Straight ORFS	
2	2150808	1	Fitting, 45 ORFS	
3	1001153748	1	Valve, Steering Select (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. CYLINDER INSTALLATION - EXTEND/RETRACT



ART_1001242678-A

FIGURE 9-1. CYLINDER INSTALLATION - EXTEND/RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242678	Ref	Extend/Retract Cylinder Installation	A
1	1001238730	1	Cylinder, Extend/Retract (See Separate Breakdown in this Section)	
2	1001243925	1	Valve, Counterbalance	
2	70028454	2	O-Ring (Between Valve & Barrel)	
3	2111212	2	Fitting, Straight ORFS	
4	4031917	4	Bolt, M8X65	

FIGURE 9-2. CYLINDER INSTALLATION - EXTEND/RETRACT

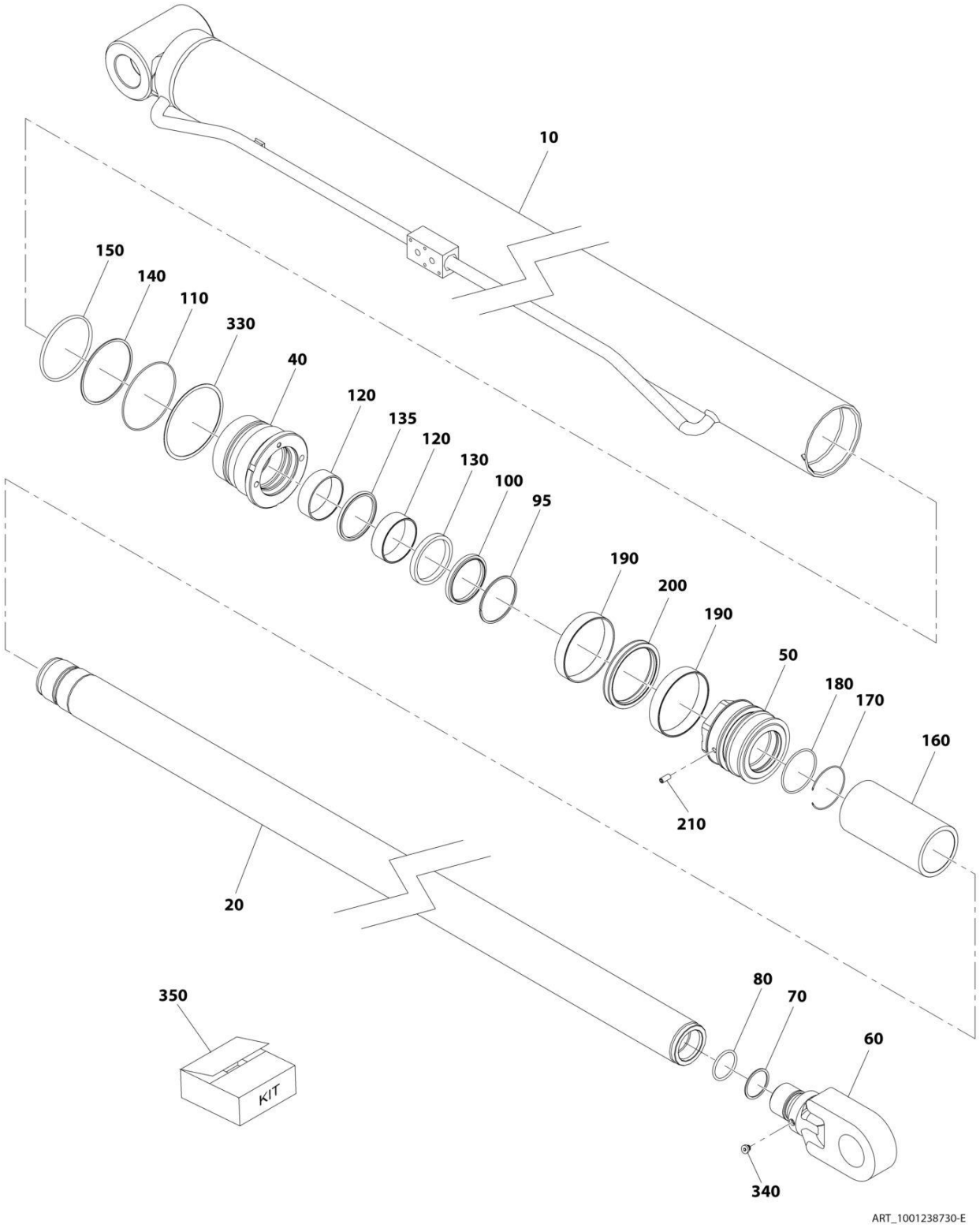


FIGURE 9-2. CYLINDER INSTALLATION - EXTEND/RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238730	Ref	Extend/Retract Cylinder	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
10	N.S.S.	1	Barrel	
20	70030152	1	Rod	
40	70030153	1	Gland	
50	70030154	1	Piston Head	
60	70030155	1	Clevis	
70	Kit	1	Ring, Backup	
80	Kit	1	O-Ring	
95	70000699	1	Ring, Snap	
100	Kit	1	Seal, Wiper	
110	Kit	1	O-Ring	
120	Kit	1	Bearing	
130	Kit	1	Seal	
135	Kit	1	Seal	
140	Kit	1	Ring, Backup	
150	Kit	1	O-Ring	
160	70030156	1	Spacer	
170	70030157	1	Round Wire Ring	
180	Kit	1	O-Ring	
190	Kit	2	Bearing	
200	Kit	1	Seal	
210	70030158	1	Grub Screw	
330	70030159	1	Tab Washer	
340	70025961	1	Plug	
350	70030160	1	Kit, Seal (includes items 70, 80, 100 thru 150 & 180 thru 200)	

FIGURE 9-3. CYLINDER ASSEMBLY - FORK POSITIONING

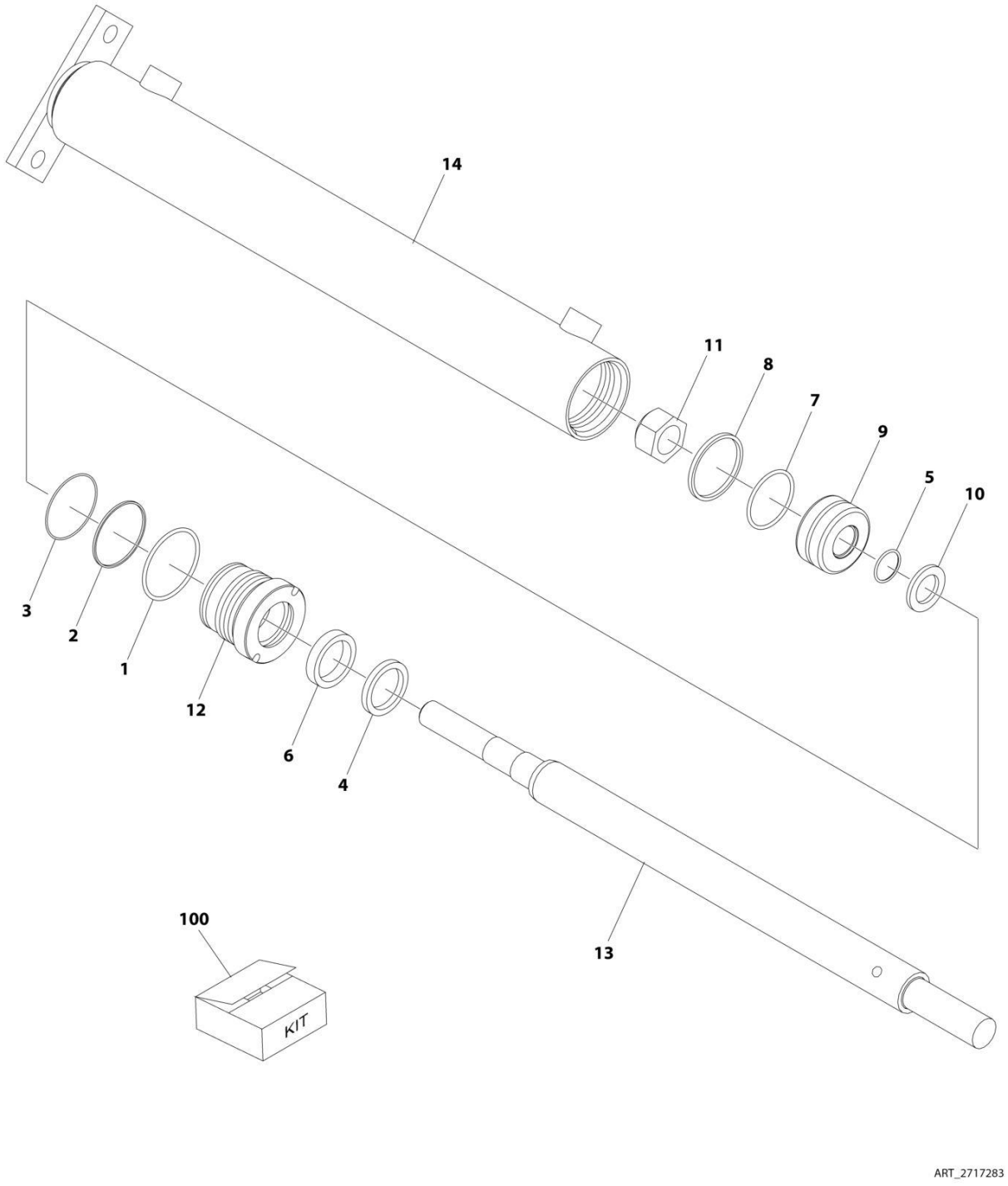


FIGURE 9-3. CYLINDER ASSEMBLY - FORK POSITIONING

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

FIGURE 9-4. CYLINDER ASSEMBLY - FRAME LEVEL

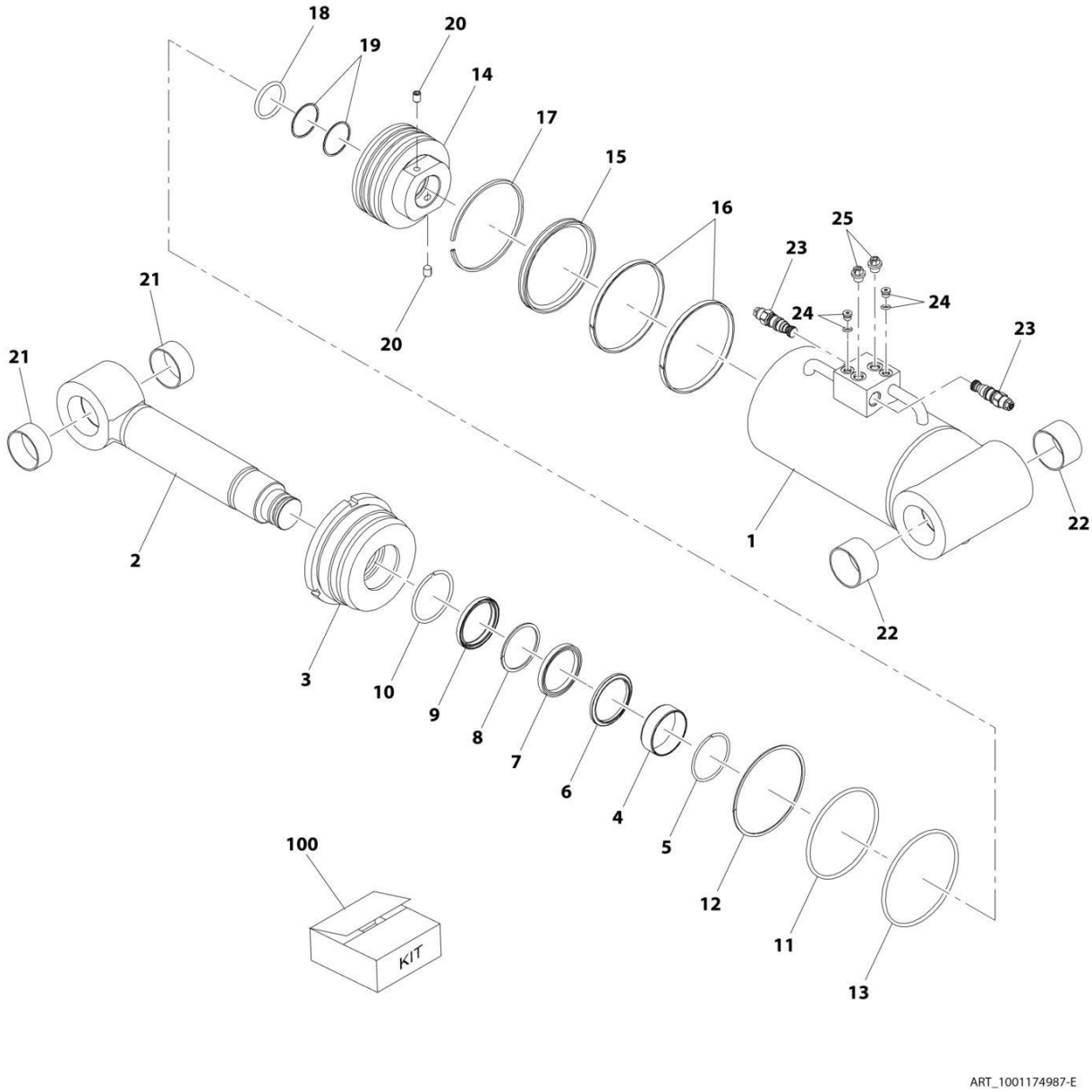
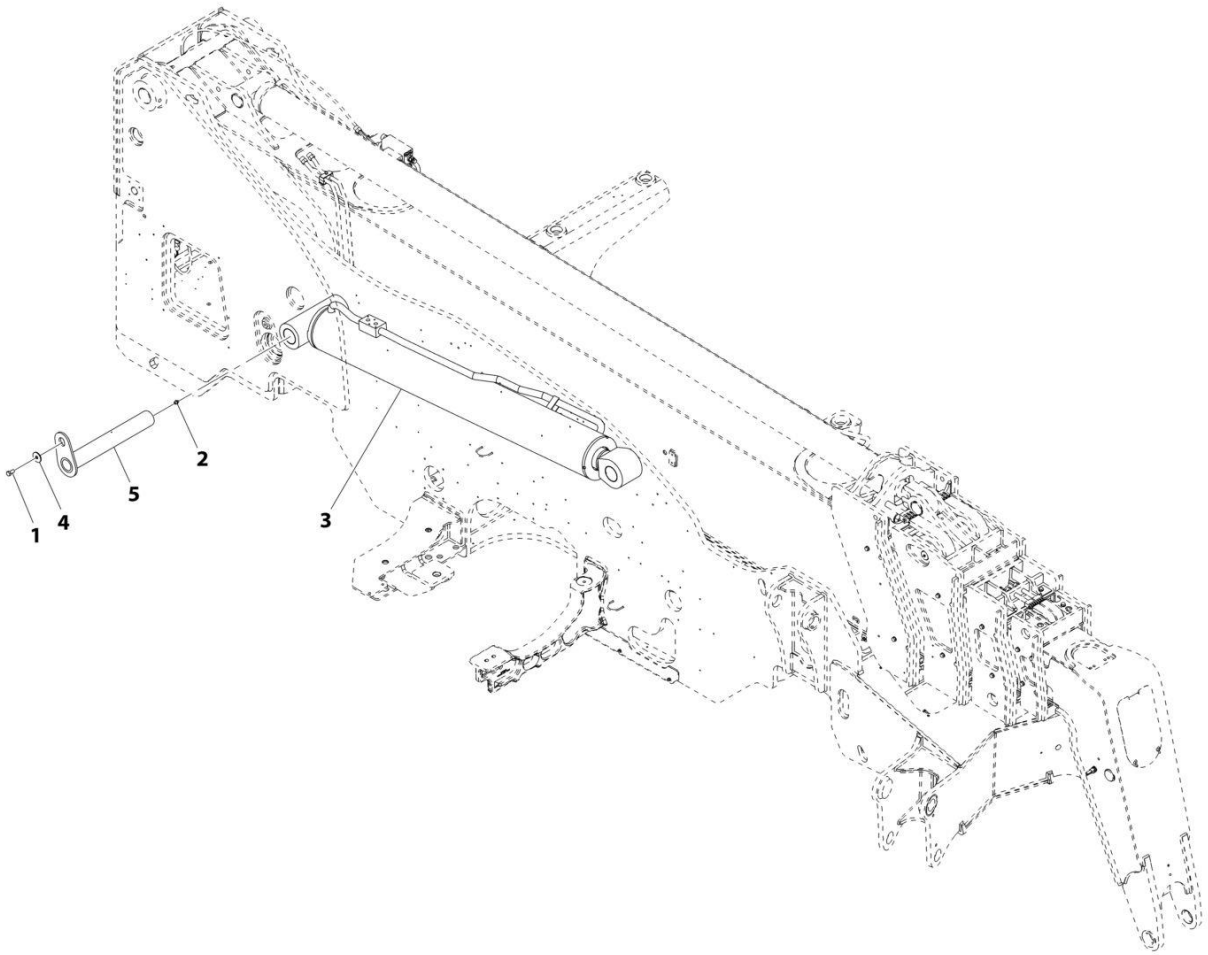


FIGURE 9-4. CYLINDER ASSEMBLY - FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174987	Ref	Frame Level Cylinder Assembly	E
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	N.S.S.	1	Barrel	
2	70030115	1	Rod Assembly (includes item 21)	
3	70030116	1	Rod Cover Assembly (includes item 4 & 5)	
4	N.S.S.	1	Bushing	
5	N.S.S.	1	Ring, Retaining	
6	Kit	1	Buffer	
7	Kit	1	U-Packing	
8	Kit	1	Ring, Backup	
9	Kit	1	Wiper	
10	Kit	1	Ring, Retaining	
11	Kit	1	O-Ring	
12	Kit	1	Ring, Backup	
13	Kit	1	O-Ring	
14	70030117	1	Piston (includes item 20)	
15	Kit	1	Seal, Piston	
16	Kit	2	Ring, Wear	
17	Kit	1	Ring, Dust	
18	Kit	1	O-Ring	
19	Kit	2	Ring, Backup	
20	N.S.S.	2	Set Screw	
21	70030118	2	Bushing	
22	70030119	2	Bushing	
23	1001214653	2	Valve, Counterbalance	
24	N.S.S.	2	Plug with O-Ring	
25	N.S.S.	2	Cap, Dust	
100	70030120	1	Kit, Seal (includes items 6 thru 13 & 15 thru 19)	

FIGURE 9-5. CYLINDER INSTALLATION - LIFT



ART_1001205890-A

FIGURE 9-5. CYLINDER INSTALLATION - LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205890	Ref	Lift Cylinder Installation	A
1	0771414	1	Bolt, M14X30	
2	2160016	1	Fitting, Grease	
3	1001174984	1	Cylinder, Lift (See Separate Breakdown in this Section)	
4	1001217226	1	Washer	
5	1001244574	1	Pin	

FIGURE 9-6. CYLINDER ASSEMBLY - LIFT

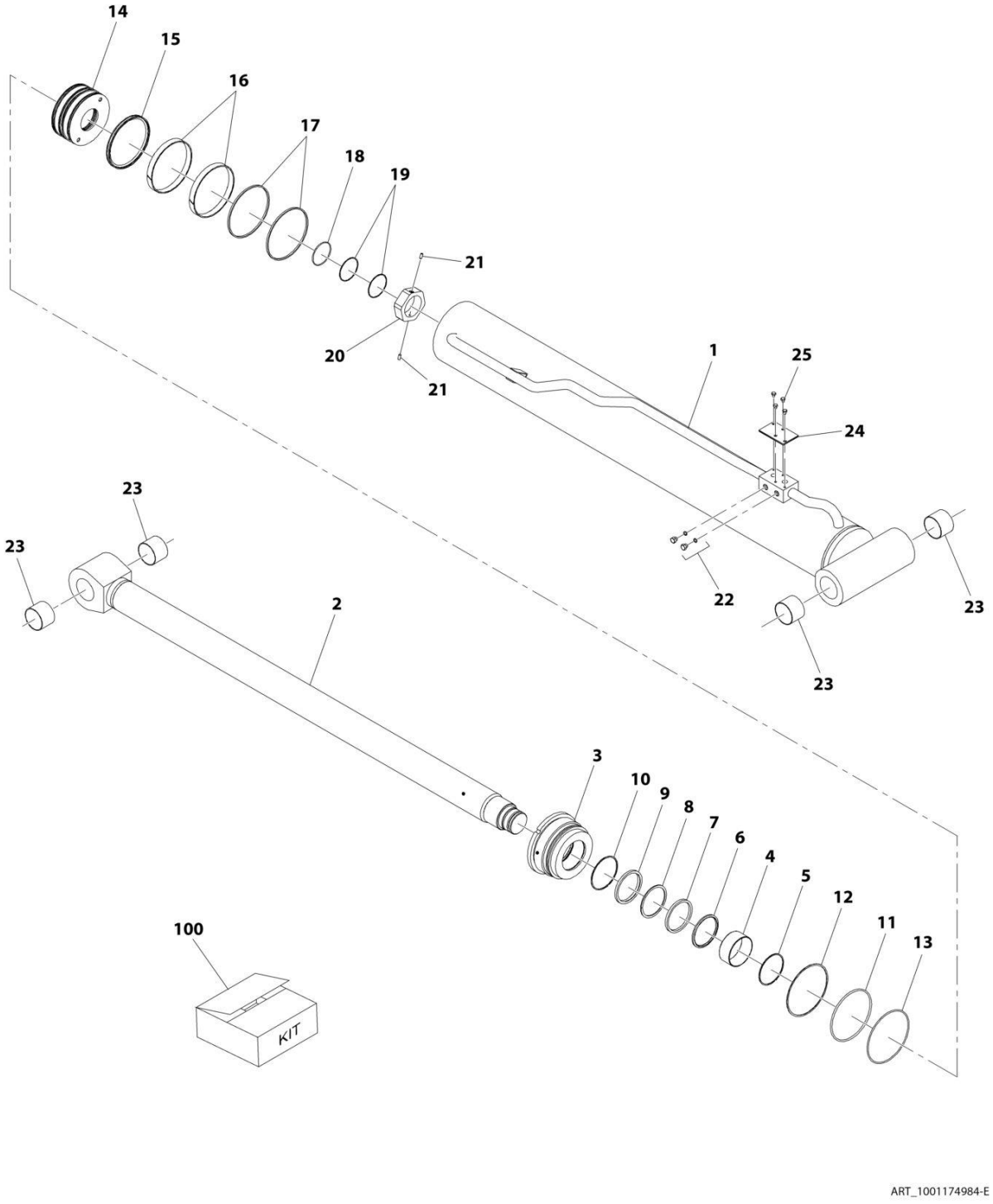


FIGURE 9-6. CYLINDER ASSEMBLY - LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174984	Ref	Lift Cylinder Assembly	E
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	N.S.S.	1	Barrel	
2	70030109	1	Rod Assembly (Includes item 23)	
3	70030110	1	Rod Cover Assembly	
4	N.S.S.	1	Bushing	
5	N.S.S.	1	Ring, Retaining	
6	Kit	1	Seal, Buffer	
7	Kit	1	U-Packing	
8	Kit	1	Ring, Backup	
9	Kit	1	Wiper	
10	Kit	1	Ring, Retaining	
11	Kit	1	O-Ring	
12	Kit	1	Ring, Backup	
13	Kit	1	O-Ring	
14	70030111	1	Piston	
15	Kit	1	Seal, Piston	
16	Kit	2	Ring, Wear	
17	Kit	2	Ring, Dust	
18	Kit	1	O-Ring	
19	Kit	2	Ring, Backup	
20	70030112	1	Piston Nut (Includes item 21)	
21	N.S.S.	2	Set Screw	
22	N.S.S.	2	Plug with O-Ring	
23	70030113	4	Bushing	
24	N.S.S.	1	Cover, Dust	
25	N.S.S.	4	Bolt	
100	70030114	1	Kit, Seal (includes items 6 thru 13 & 15 thru 19)	

FIGURE 9-7. CYLINDER INSTALLATION - OUTRIGGER

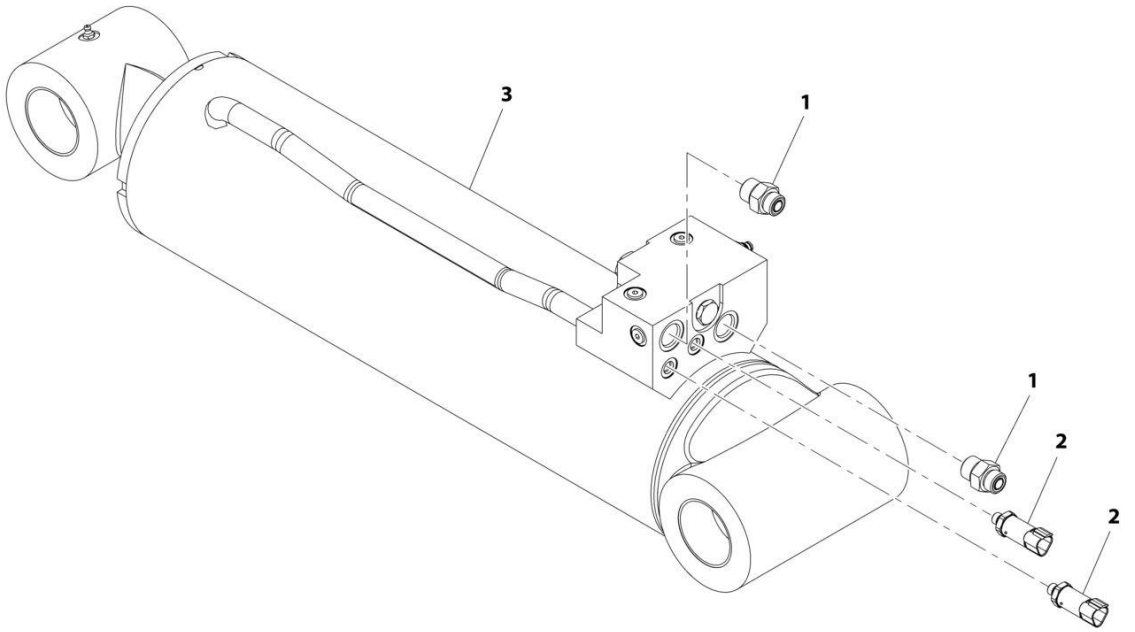


FIGURE 9-7. CYLINDER INSTALLATION - OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238827	Ref	Outrigger Cylinder Installation	B
1	2110810	2	Fitting, Straight	
2	1001199043	2	Sensor, Pressure Transducer	
3	1001238807	1	Cylinder, Outrigger (See Separate Breakdown in this Section)	

FIGURE 9-8. CYLINDER ASSEMBLY - OUTRIGGER

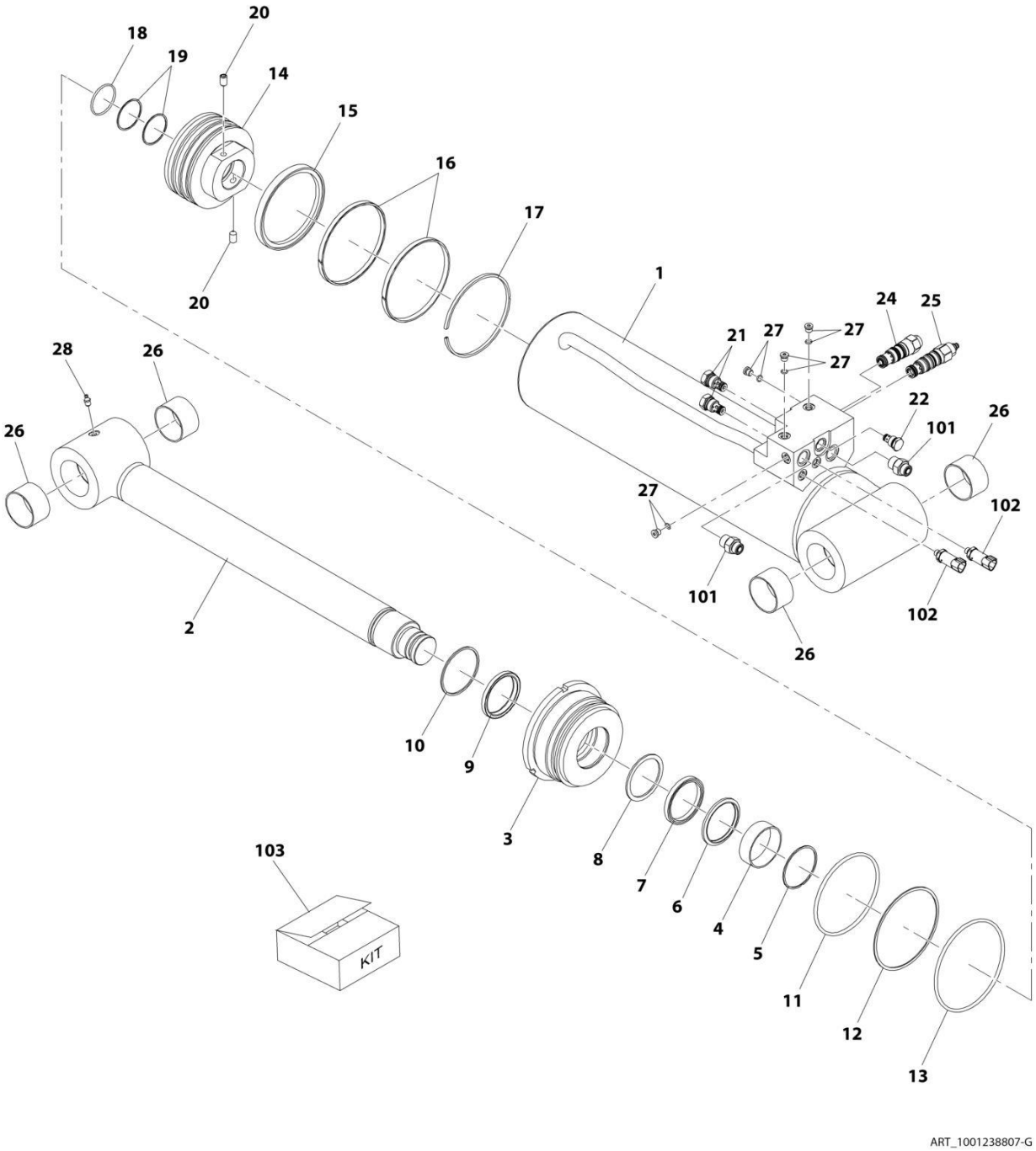


FIGURE 9-8. CYLINDER ASSEMBLY - OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238807	Ref	Outrigger Cylinder	H
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	N.S.S.	1	Barrel	
2	70030121	1	Rod Assembly (includes item 26)	
3	70030122	1	Rod Cover Assembly	
4	N.S.S.	1	Bushing	
5	N.S.S.	1	Ring, Retaining	
6	Kit	1	Seal, Buffer	
7	Kit	1	U-Packing	
8	Kit	1	Ring, Backup	
9	Kit	1	Wiper	
10	Kit	1	Ring, Retaining	
11	Kit	1	O-Ring	
12	Kit	1	Ring, Backup	
13	Kit	1	O-Ring	
14	70030117	1	Piston (includes item 20)	
15	Kit	1	Seal, Piston	
16	Kit	2	Ring, Wear	
17	Kit	1	Ring, Dust	
18	Kit	1	O-Ring	
19	Kit	2	Ring, Backup	
20	N.S.S.	2	Set Screw	
21	70030090	2	Valve, Check	
22	70030091	1	Valve, Check	
24	1001285929	1	Valve, Counterbalance	
25	70030092	1	Valve, Counterbalance	
26	70030119	4	Bushing	
27	2220883	4	Plug with O-Ring	
28	N.S.S.	1	Grease Nipple	
101	2110810	2	Fitting, Straight ORFS	
102	1001199043	2	Sensor	
103	70030120	1	Kit, Seal (includes items 6 thru 13 & 15 thru 19)	

FIGURE 9-9. CYLINDER ASSEMBLY - QUICK COUPLER

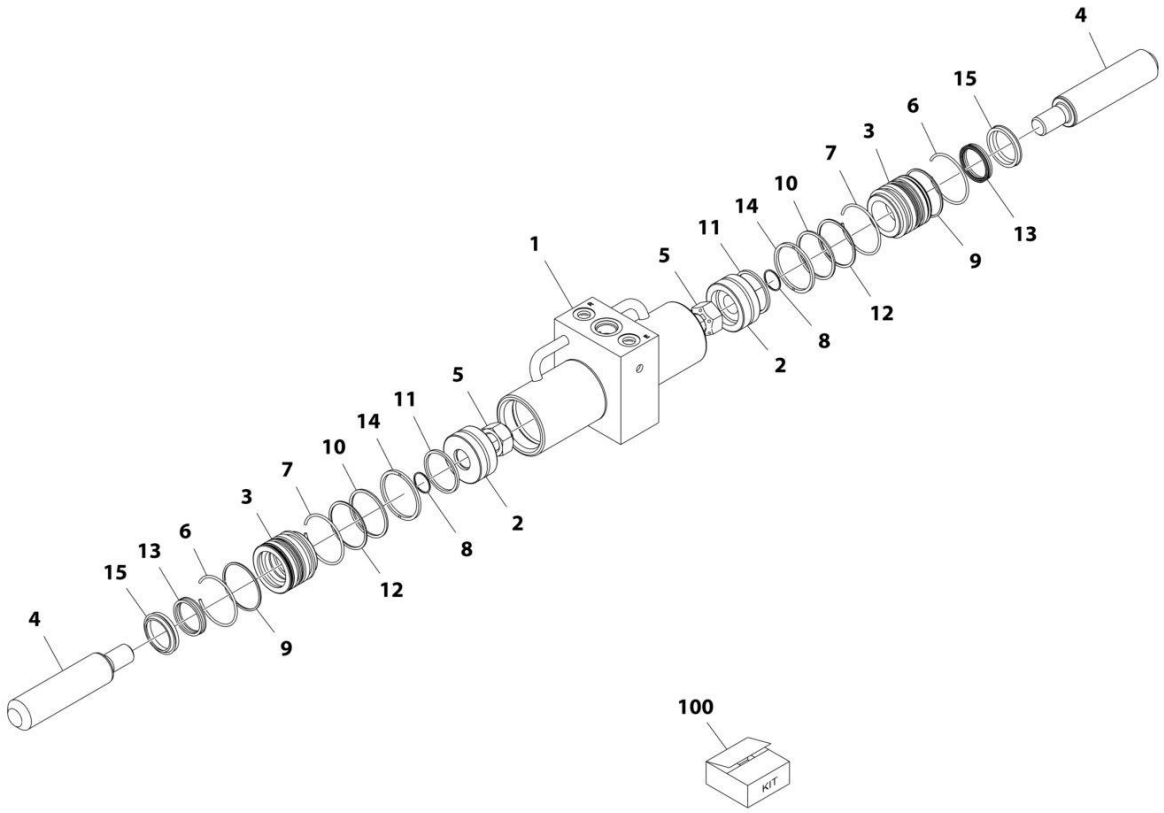


FIGURE 9-9. CYLINDER ASSEMBLY - QUICK COUPLER

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

FIGURE 9-10. CYLINDER ASSEMBLY - QUICK SWITCH

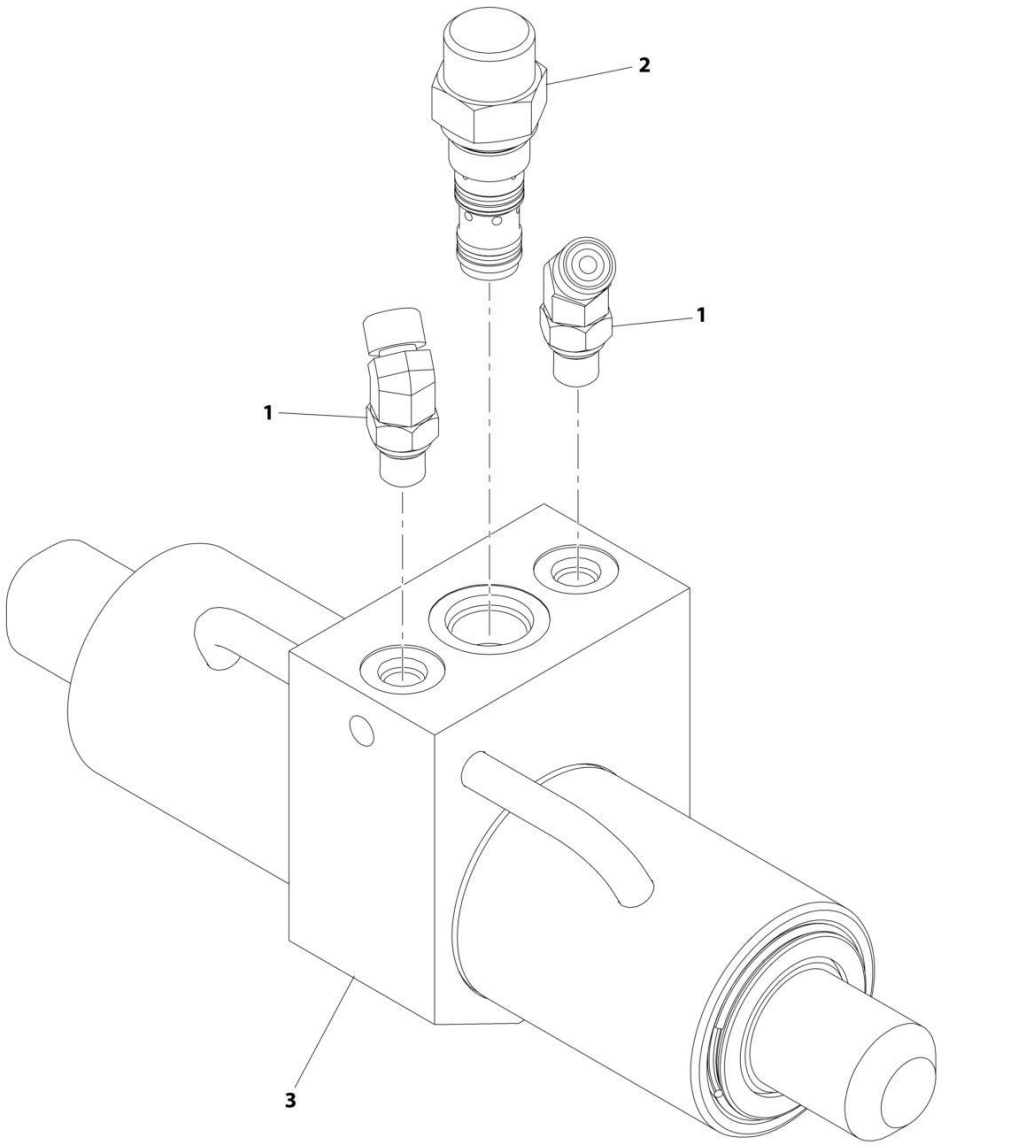
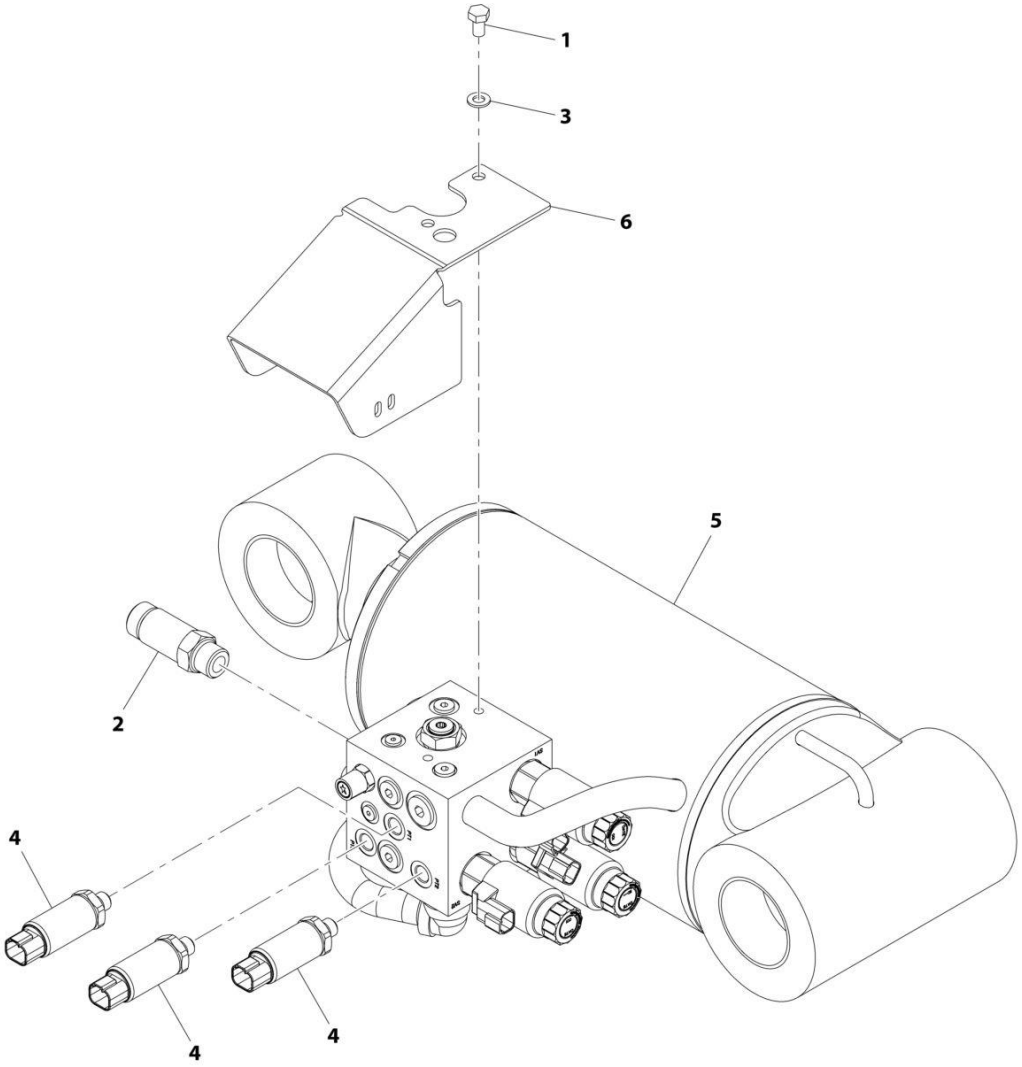


FIGURE 9-10. CYLINDER ASSEMBLY - QUICK SWITCH

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

FIGURE 9-11. CYLINDER INSTALLATION - REAR AXLE STABILIZER



ART_1001243089-A

FIGURE 9-11. CYLINDER INSTALLATION - REAR AXLE STABILIZER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243089	Ref	Rear Axle Stabilizer Cylinder Assembly	A
1	0760807	2	Bolt, M8X14	
2	2170110	1	Fitting, Straight ORFS	
3	4811900	2	Washer, M8	
4	1001162885	3	Sensor, Pressure	
5	1001238733	1	Cylinder, Rear Axle Stabilizer (See Separate Breakdown in this Section)	
6	1001246562	1	Cover	

FIGURE 9-12. CYLINDER ASSEMBLY - REAR AXLE STABILIZER

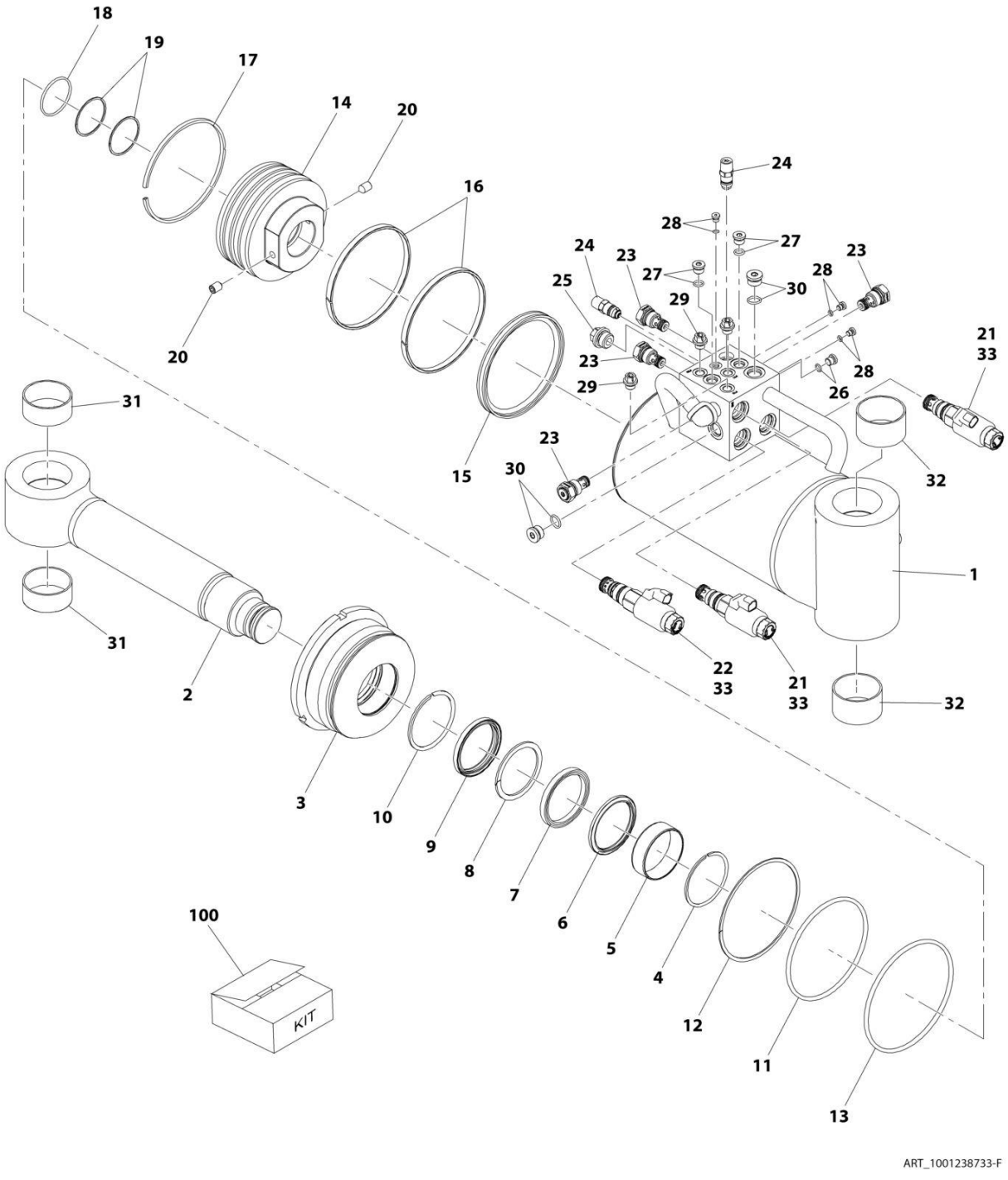


FIGURE 9-12. CYLINDER ASSEMBLY - REAR AXLE STABILIZER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238733	Ref	Rear Axle Stabilizer Cylinder	F
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	N.S.S.	1	Barrel	
2	70030128	1	Rod Assembly (includes items 29 thru 31)	
3	70030124	1	Rod Cover Assembly (includes items 4 & 5)	
4	N.S.S.	1	Ring, Retaining	
5	N.S.S.	1	Bushing	
6	Kit	1	Seal, Buffer	
7	Kit	1	U-Packing	
8	Kit	1	Ring, Backup	
9	Kit	1	Wiper	
10	Kit	1	Ring, Retaining	
11	Kit	1	O-Ring	
12	Kit	1	Ring, Backup	
13	Kit	1	O-Ring	
14	70030125	1	Piston (includes item 20)	
15	Kit	1	Seal, Piston	
16	Kit	2	Ring, Wear	
17	Kit	1	Ring, Dust	
18	Kit	1	O-Ring	
19	Kit	2	Ring, Backup	
20	N.S.S.	2	Set Screw	
21	70030129	2	Valve, Solenoid	
22	70030130	1	Valve, Solenoid	
23	70030131	4	Valve, Check	
24	70030132	2	Valve, Relief	
25	N.S.S.	1	Cap, Dust	
26	2220883	1	Plug with O-Ring	
27	2220885	2	Plug with O-Ring	
28	2220881	3	Plug with O-Ring	
29	N.S.S.	3	Cap, Dust	
30	2220886	2	Plug with O-Ring	
31	70030118	2	Bushing	
32	70030119	2	Bushing	
33	1001207923	3	Coil	
100	70030120	1	Kit, Seal (includes items 6 thru 13 & 15 thru 19)	

FIGURE 9-13. CYLINDER ASSEMBLY - SIDE SHIFT CARRIAGE

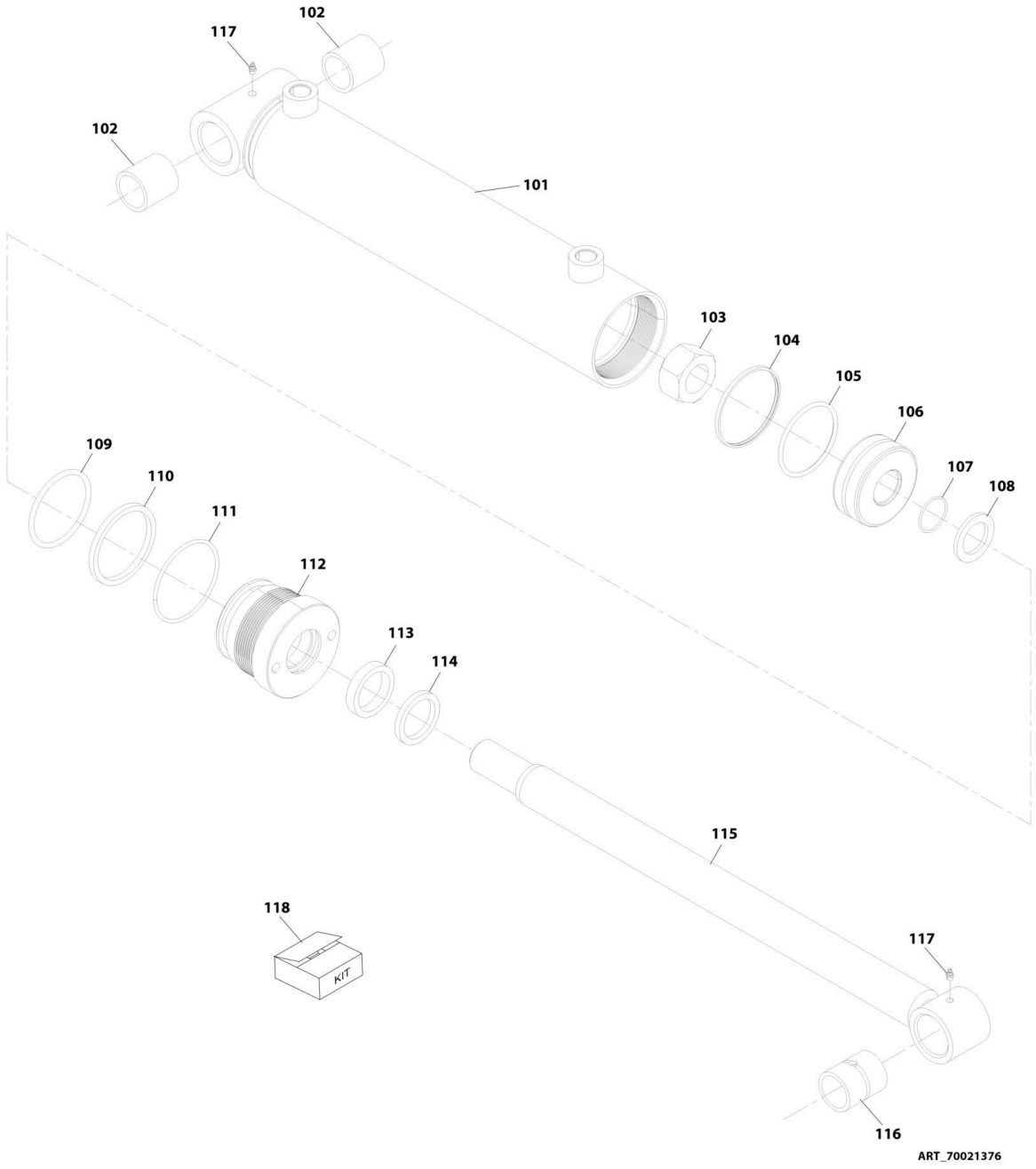


FIGURE 9-13. CYLINDER ASSEMBLY - SIDE SHIFT CARRIAGE

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

FIGURE 9-14. CYLINDER ASSEMBLY - SIDE TILT

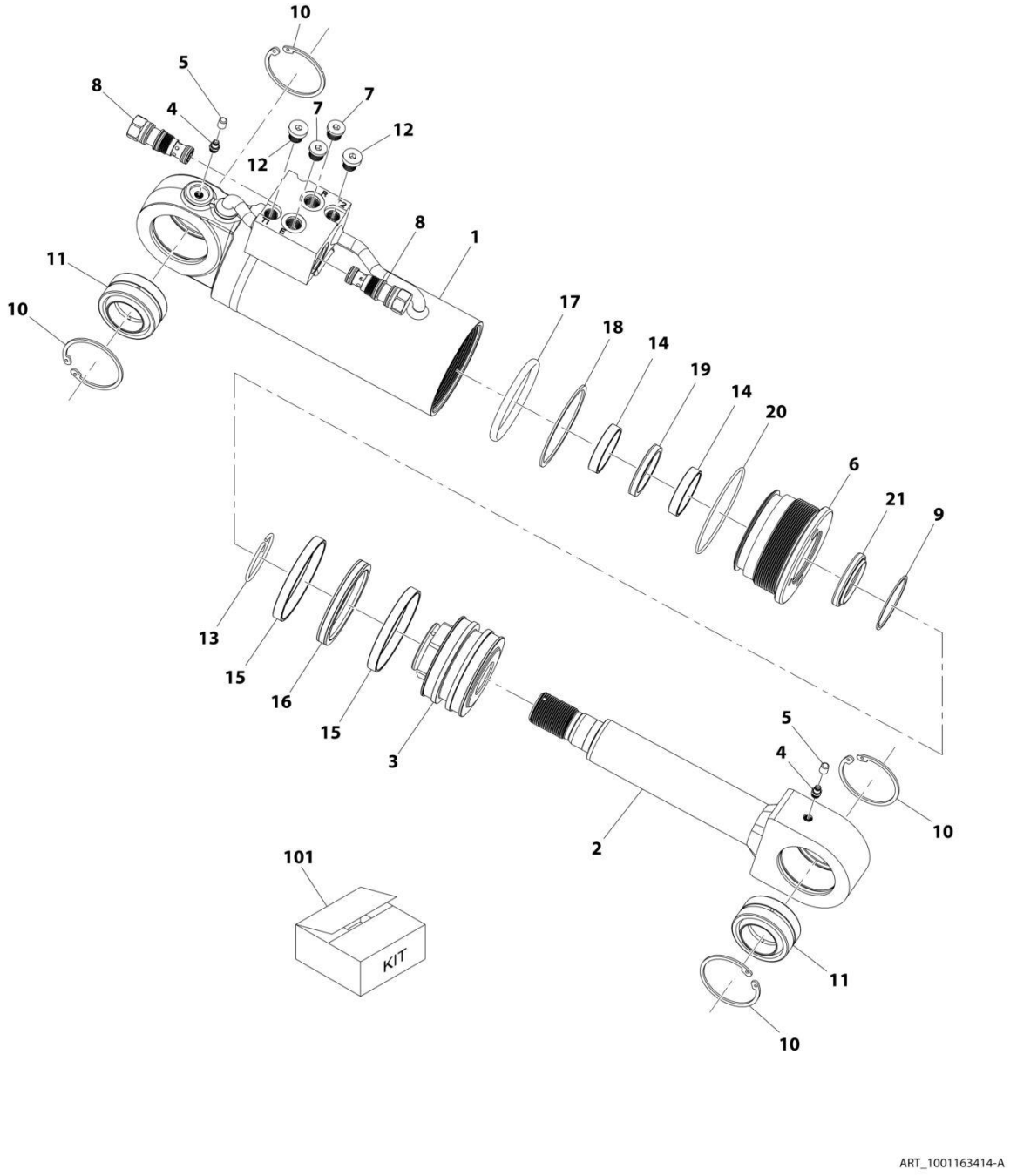


FIGURE 9-14. CYLINDER ASSEMBLY - SIDE TILT

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

FIGURE 9-15. CYLINDER ASSEMBLY - SWING CARRIAGE (Prior to SN 0160116236)

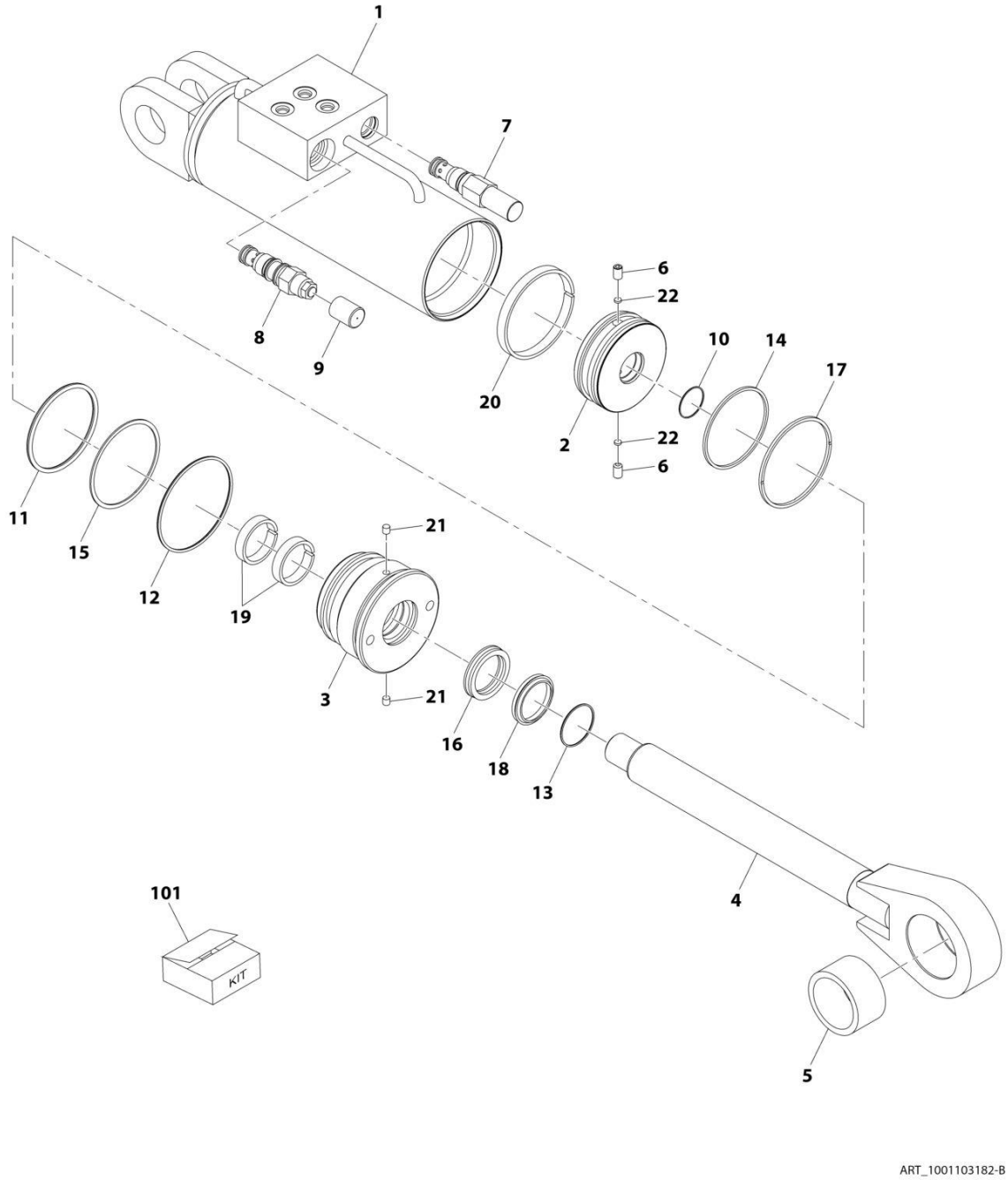


FIGURE 9-15. CYLINDER ASSEMBLY - SWING CARRIAGE (Prior to SN 0160116236)

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

FIGURE 9-16. CYLINDER ASSEMBLY - SWING CARRIAGE (SN 0160116236 to Present)

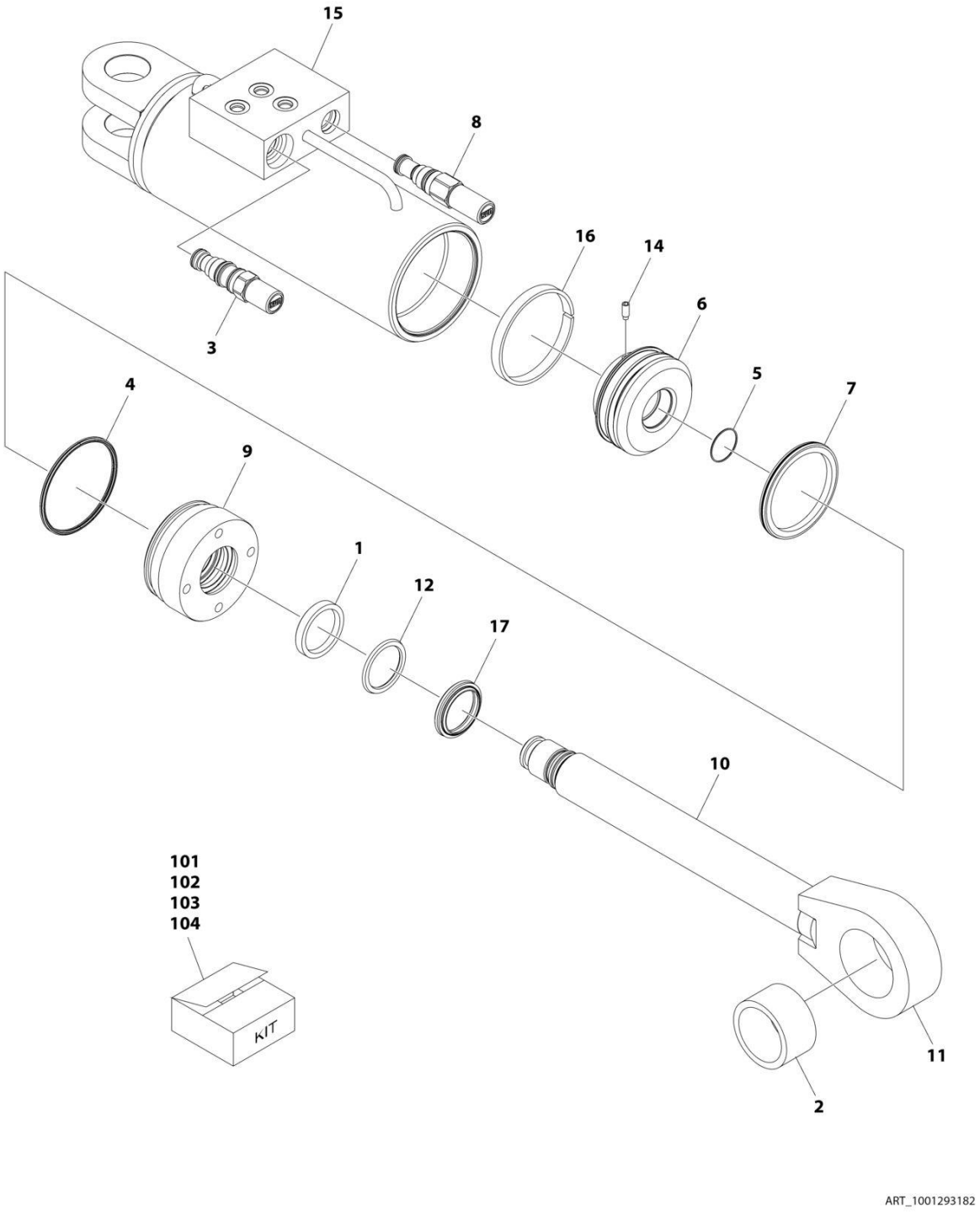
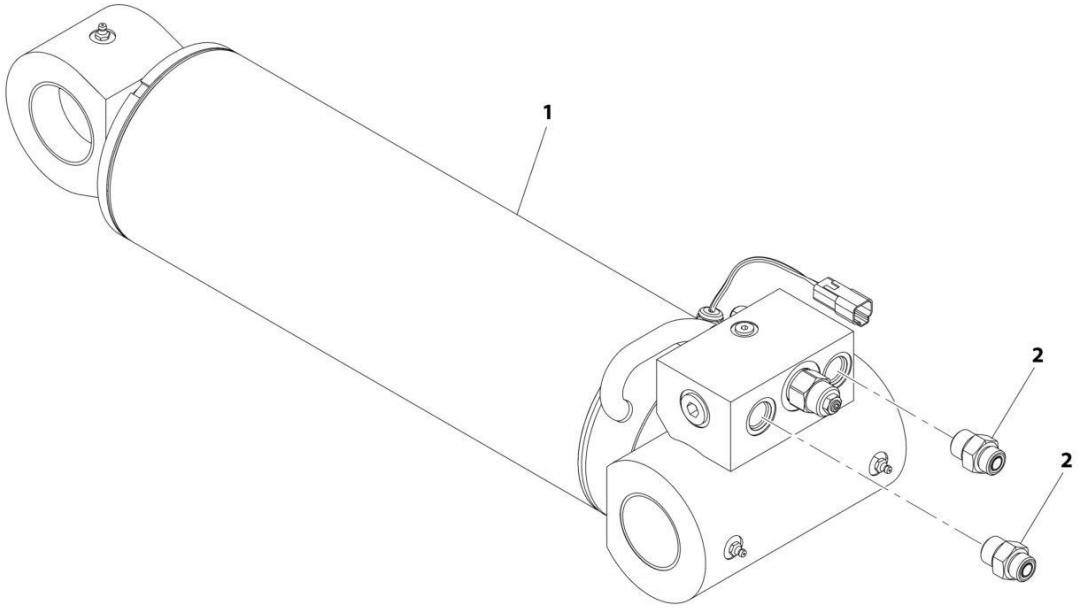


FIGURE 9-16. CYLINDER ASSEMBLY - SWING CARRIAGE (SN 0160116236 to Present)

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

FIGURE 9-17. CYLINDER & FITTING ASSEMBLY - TILT



ART_1001242677-A

FIGURE 9-17. CYLINDER & FITTING ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242677	Ref	Tilt Cylinder & Fitting Assembly	A
1	1001238640	1	Tilt Cylinder Assembly (See Separate Breakdown in this Section)	
2	2110810	2	Fitting, 45 ORFS	

FIGURE 9-18. CYLINDER ASSEMBLY - TILT

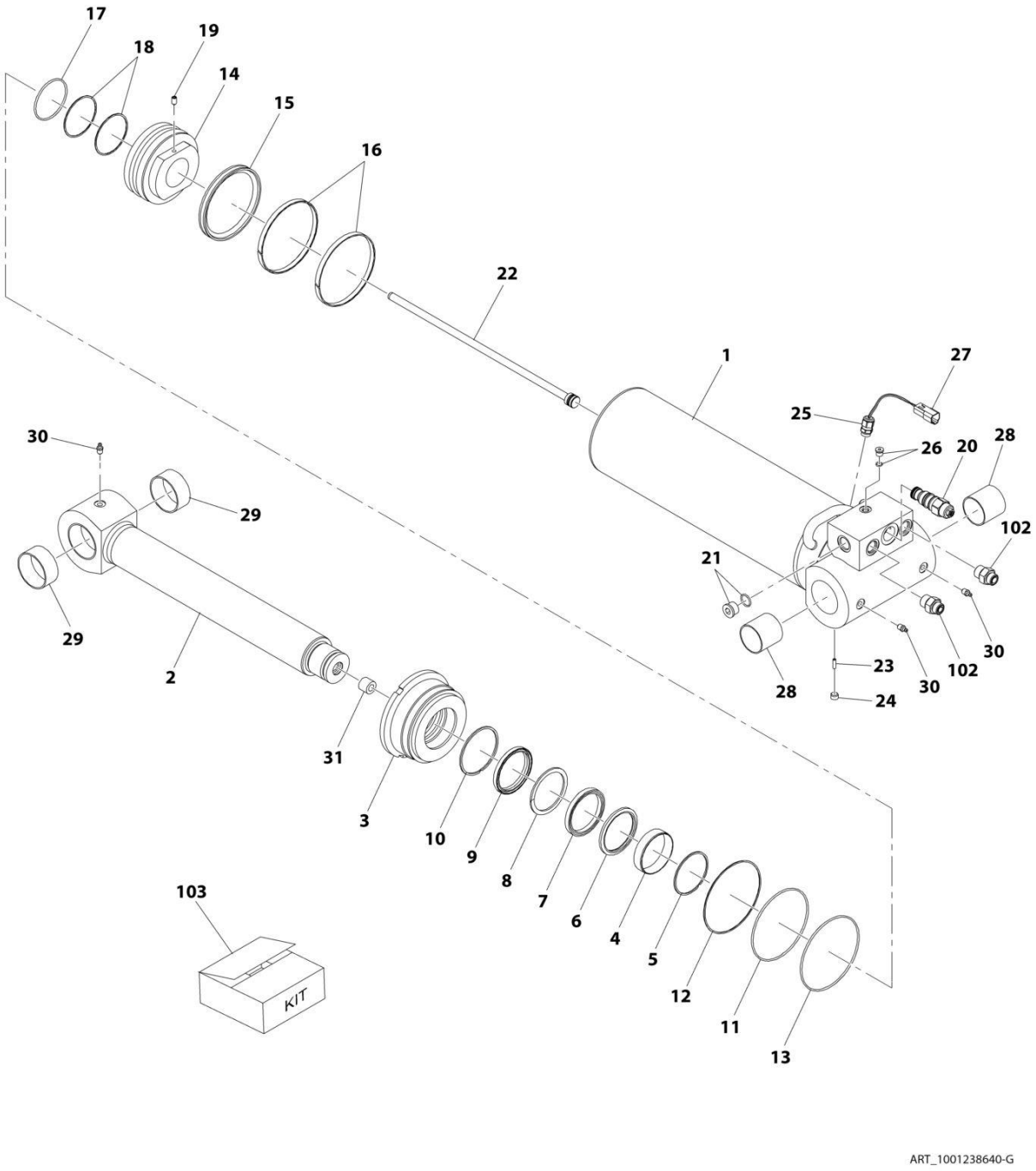
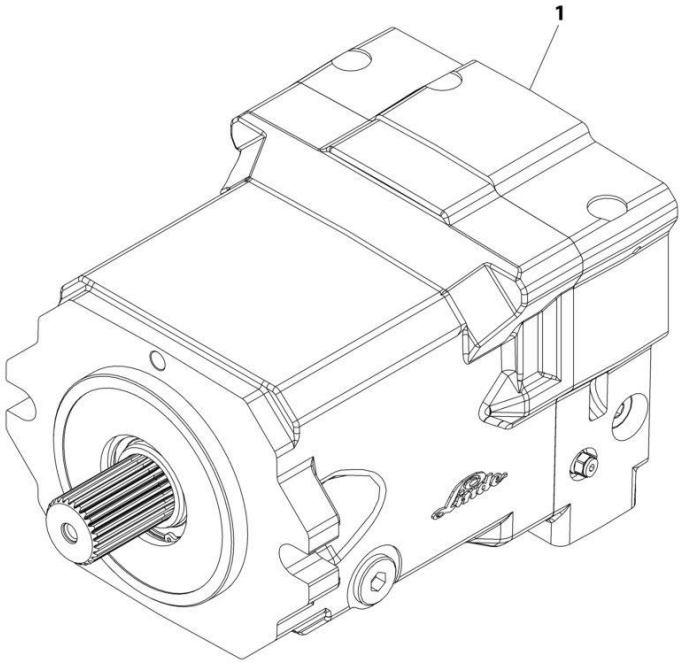


FIGURE 9-18. CYLINDER ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238640	Ref	Tilt Cylinder	G
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	N.S.S.	1	Barrel	
2	70030123	1	Rod Assembly (includes items 29, 30 thru 31)	
3	70030124	1	Rod Cover Assembly (includes items 4 & 5)	
4	N.S.S.	1	Bushing	
5	N.S.S.	1	Ring, Retaining	
6	Kit	1	Seal, Buffer	
7	Kit	1	U-Packing	
8	Kit	1	Ring, Backup	
9	Kit	1	Wiper	
10	Kit	1	Ring, Retaining	
11	Kit	1	O-Ring	
12	Kit	1	Ring, Backup	
13	Kit	1	O-Ring	
14	70030125	1	Piston (includes item 19)	
15	Kit	1	Seal, Piston	
16	Kit	2	Ring, Wear	
17	Kit	1	O-Ring	
18	Kit	2	Ring, Backup	
19	N.S.S.	1	Set Screw	
20	1001189888	1	Valve, Counterbalance	
21	N.S.S.	1	Plug with O-Ring	
22	N.S.S.	3	Sensor, Assembly	
23	N.S.S.	1	Set Screw	
24	N.S.S.	1	Plug	
25	N.S.S.	1	Gland, Cable	
26	N.S.S.	1	Plug with O-Ring	
27	N.S.S.	1	Connector	
28	70030126	2	Bushing	
29	70030118	2	Bushing	
30	N.S.S.	3	Grease Nipple	
31	N.S.S.	1	Plug, Magnet	
102	2110810	2	Fitting, Straight ORFS	
103	70030127	1	Kit, Seal (includes items 6 thru 13 & 15 thru 18)	

FIGURE 9-19. MOTOR ASSEMBLY - HYDRAULIC



ART_1001203804-C

FIGURE 9-19. MOTOR ASSEMBLY - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203804	Ref	Hydraulic Motor	C
1	70030054	1	Ring, Snap	
2	70030055	1	Shim	
3	70030056	1	Seal, Shaft	
4	70030057	1	Plug (includes item 5)	
5	N.S.S.	1	O-Ring	
7	0009037416	2	Threaded Pin	
9	70030060	2	Nut	
20	70030061	1	Valve, Feed	
30	70030062	1	Valve, Switch	
102	70030063	1	Kit, Seal (includes item 3)	

FIGURE 9-20. MOTOR ASSEMBLY – HYDRAULIC

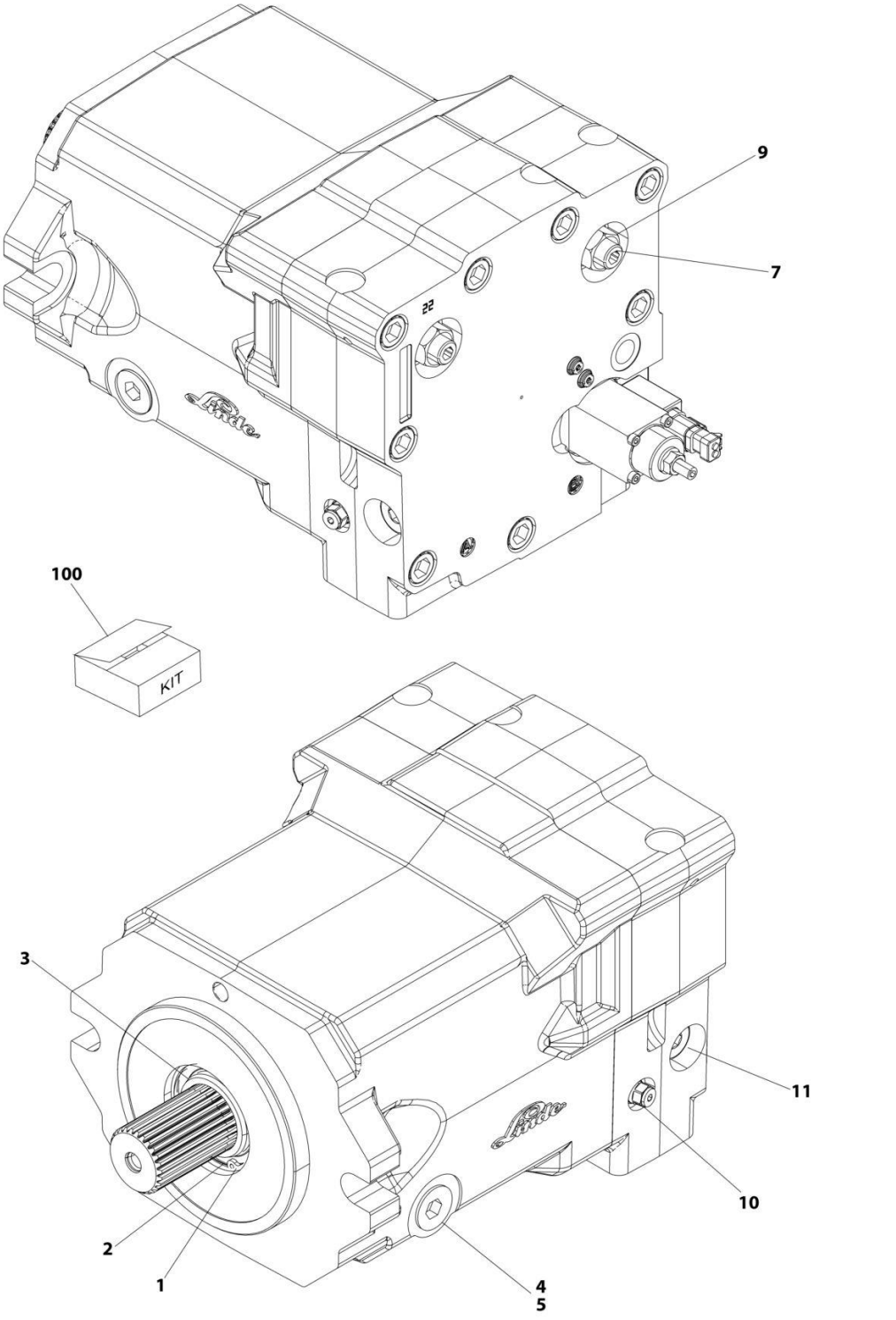
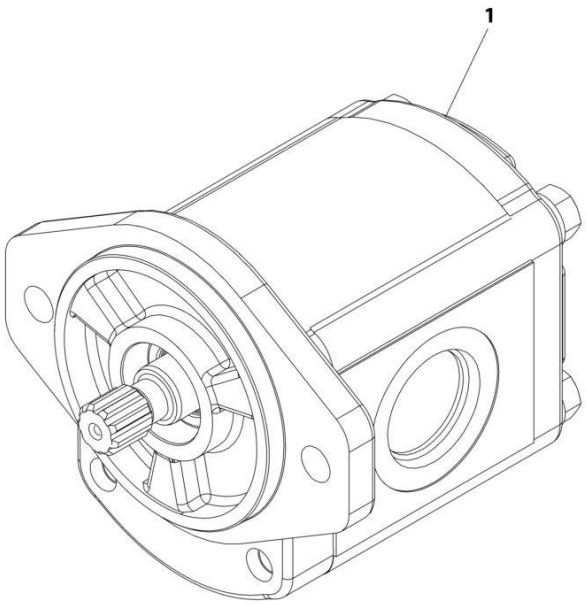


FIGURE 9-20. MOTOR ASSEMBLY – HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268891	Ref	Hydraulic Motor	B
1	70030054	1	Ring, Snap	
2	70030055	1	Shim	
3	70030056	1	Seal, Shaft	
4	70030057	1	Plug (Includes Item 5)	
5	70030058	1	O-Ring	
7	70030059	1	Threaded Rod M16 x 70	
9	70030060	1	Nut M16	
10	70030061	1	Feed, Valve Assembly	
11	70030278	1	Switch, Valve Assembly	
100	70030063	1	Seal Kit	

FIGURE 9-21. PUMP ASSEMBLY - CHARGE



ART_1001243724-B

FIGURE 9-21. PUMP ASSEMBLY - CHARGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243724	Ref	Charge Pump	B
	70006356	1	Seal kit	

FIGURE 9-22. PUMP ASSEMBLY - DEF MODULE

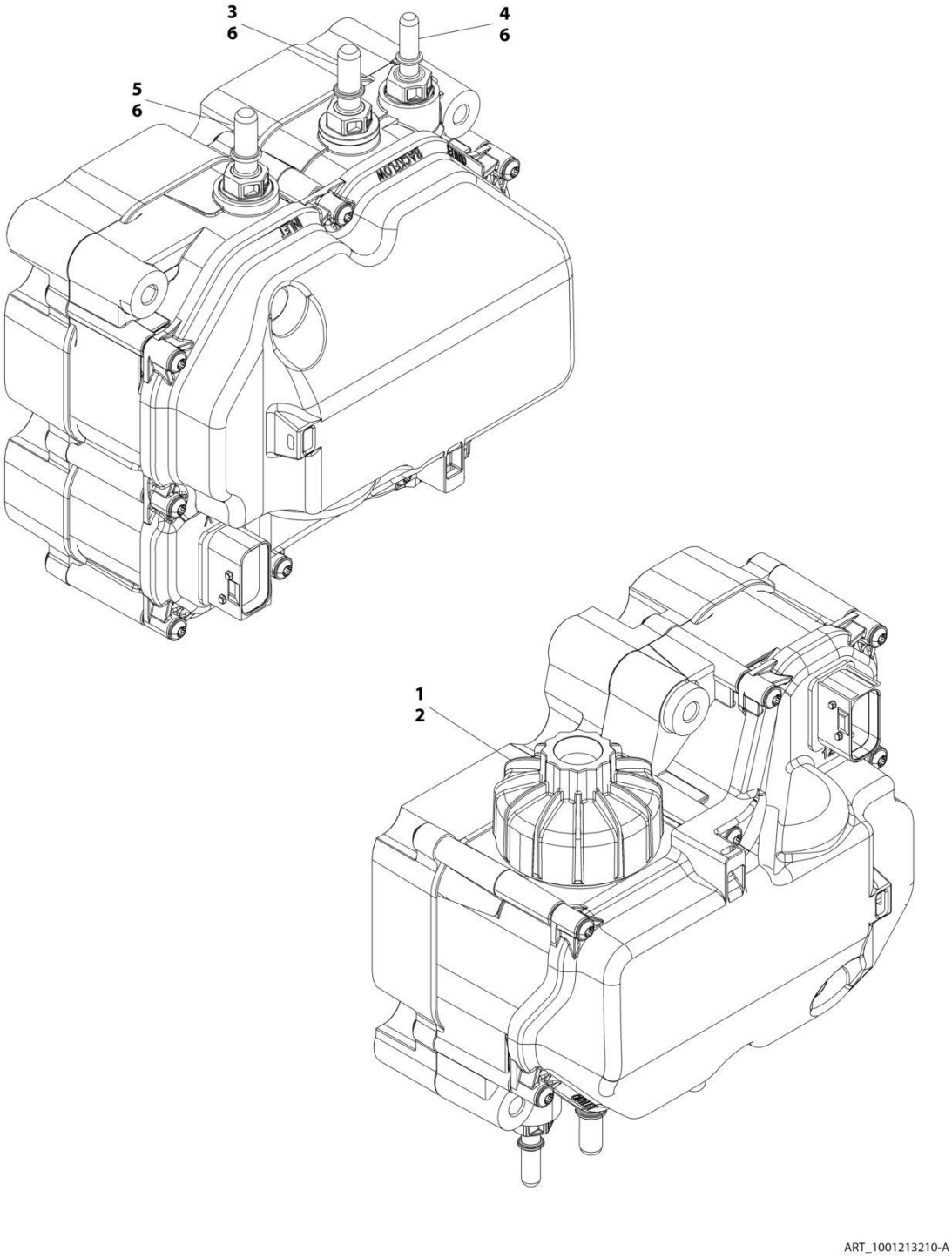


FIGURE 9-22. PUMP ASSEMBLY - DEF MODULE

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

FIGURE 9-23. PUMP ASSEMBLY - DRIVE

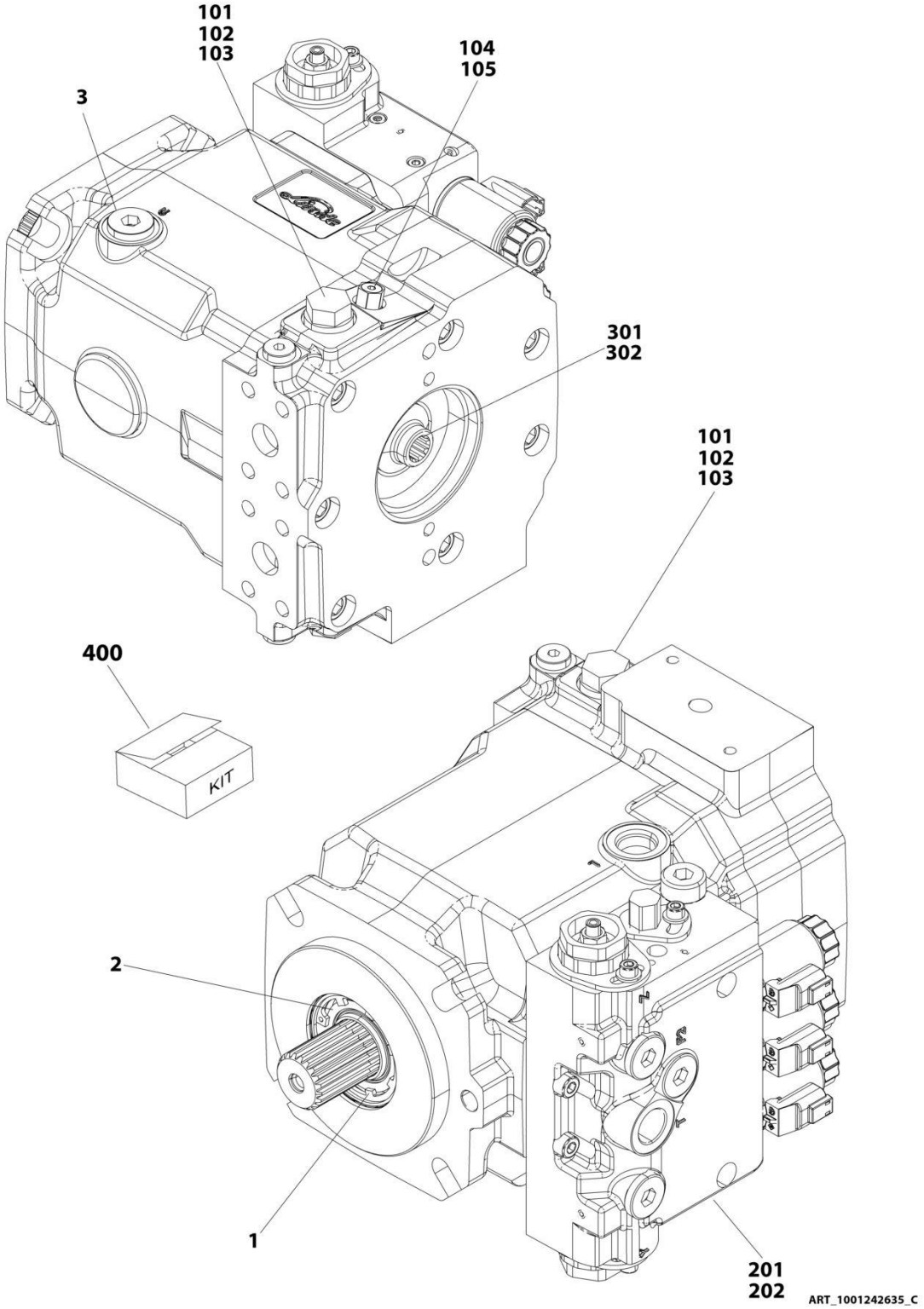


FIGURE 9-23. PUMP ASSEMBLY - DRIVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242635	Ref	Drive Pump	C
		Ref	Power Unit and Housing	
1	70030064	1	Ring, Locking	
2	70030065	1	Seal, Shaft	
3	70030066	1	Plug	
		Ref	Port Plate Housing	
101	70030067	2	O-Ring	
102	70030068	2	O-Ring	
103	70030069	2	Valve, Relief	
104	70030070	1	O-Ring	
105	70030071	1	Valve, Relief	
		Ref	E2 Remote Control	
201	70030077	1	Control Assembly	
202	70030078	4	Screw M8 x 30	
		Ref	Cover and Coupling	
301	70030079	1	O-Ring	
302	70030080	1	Sleeve, Coupling	
400	70030082	1	Seal Kit	

FIGURE 9-24. PUMP/MOTOR ASSEMBLY - EMERGENCIY LOWERING AUXILIARY

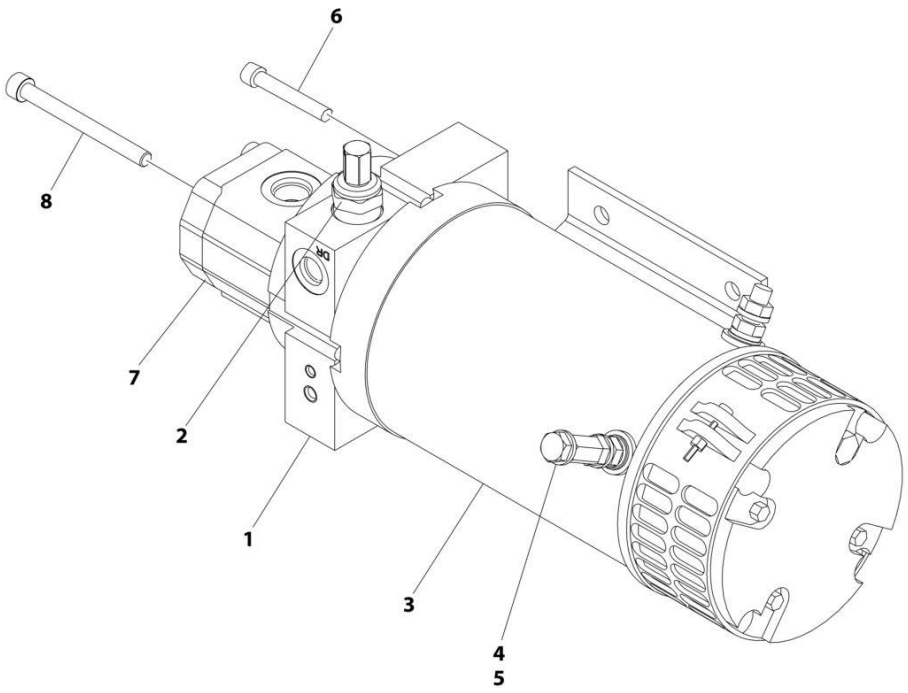
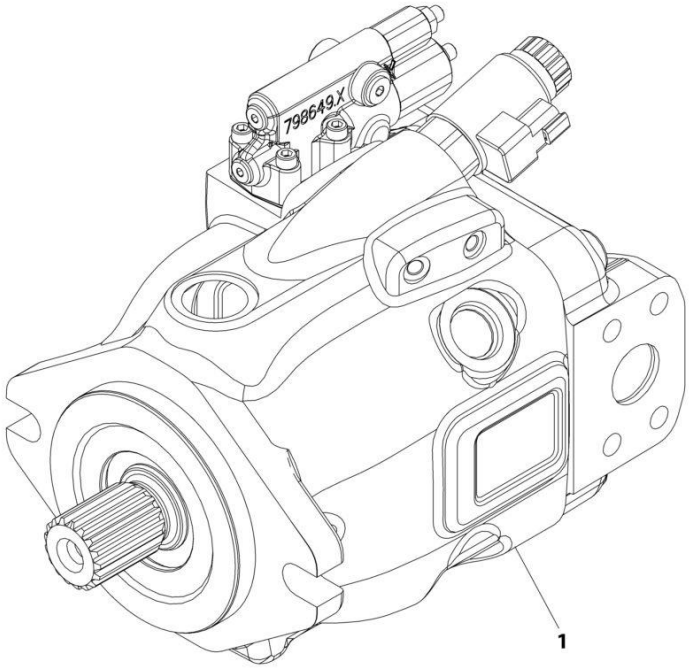


FIGURE 9-24. PUMP/MOTOR ASSEMBLY - EMERGENCIY LOWERING AUXILIARY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162880	Ref	AUXILIARY PUMP ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE)	A
1	1001164700	1	Base Assembly	
1	70005618	1	Plug	
1	70005617	1	Spring	
1	70005616	1	Poppet, Check	
2	1001164700	1	Valve, Relief	
3	See Note	1	Motor (Note: Not Available for Purchase)	
4	70004006	1	Nut 3/8	
5	70004007	1	Bolt 3/8x3/4	
6	70004005	4	Capscrew 1/4x3	
6	See Note	1	Sleeve (Note: Not Available for Purchase)	
7	See Note	1	Pump Assembly (Note: Not Available for Purchase)	
7	70005615	1	Seal, Shaft	
7	70005619	1	Bearing	
8	See Note	4	Screw M8 x 85 (Note: Not Available for Purchase)	

FIGURE 9-25. PUMP ASSEMBLY - PISTON



ART_1001203793-C

FIGURE 9-25. PUMP ASSEMBLY - PISTON

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203793	Ref	Piston Pump Assembly	C
		Ref	Note: No Other Service Parts Available	
	70027595	1	Controller - DRS	
	70024186	1	Valve, EK Controller	
	70030305	1	Seal Kit (Includes Shaft Seal)	
	70030306	1	Seal, Shaft	

FIGURE 9-26. VALVE ASSEMBLY - BOOM RAISE VALVE

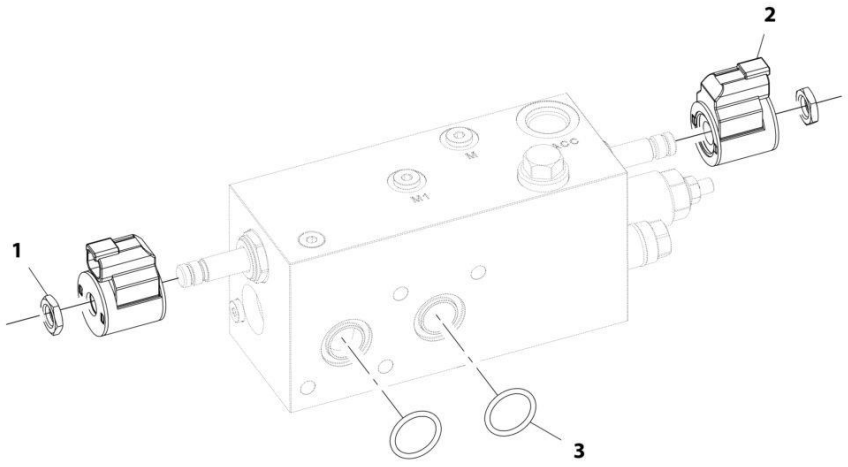


FIGURE 9-26. VALVE ASSEMBLY - BOOM RAISE VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224945	Ref	Boom Raise Valve (Ride Control)	C
1	7022390	2	Nut	
2	70028281	2	Coil	
3	70028282	2	O-Ring	

FIGURE 9-27. VALVE ASSEMBLY - CHARGE FLOW CONTROL VALVE ASSEMBLY

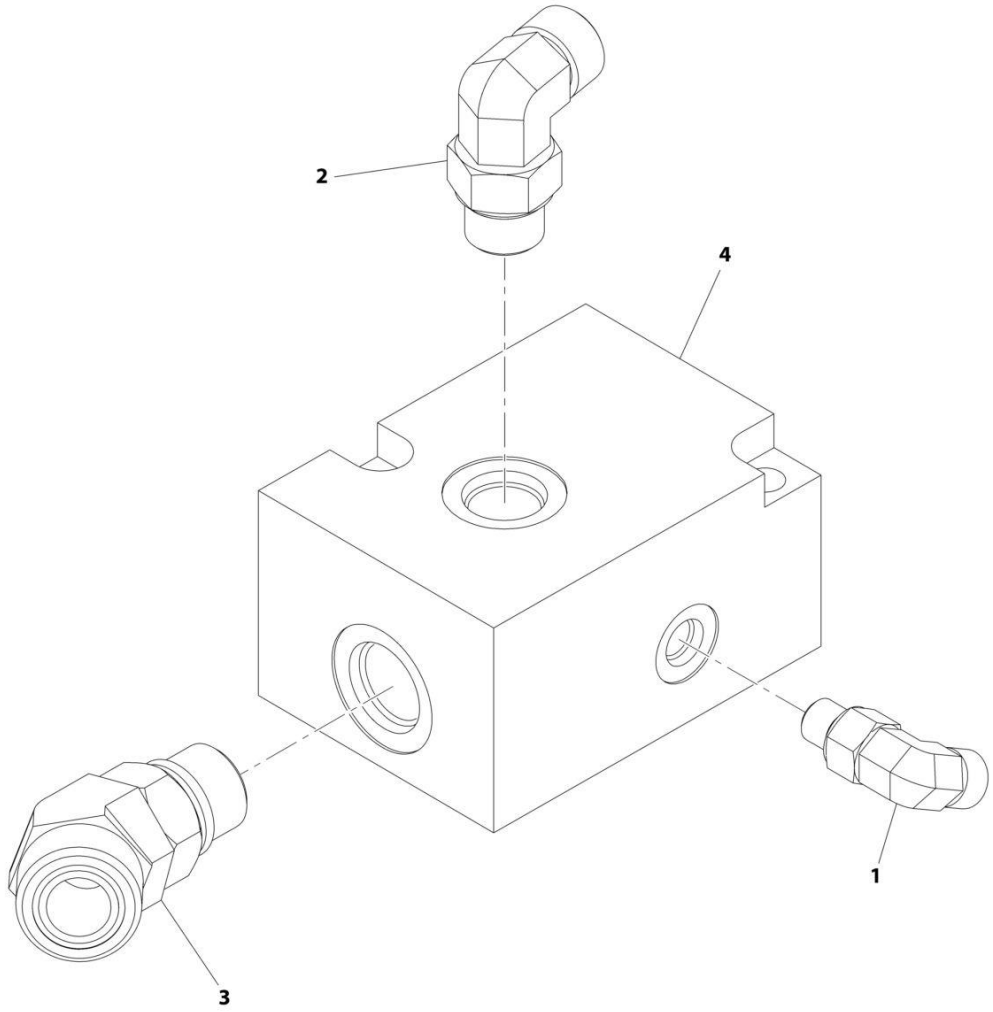


FIGURE 9-27. VALVE ASSEMBLY - CHARGE FLOW CONTROL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244407	Ref	Charge Flow Control Valve Assembly	B
1	2130404	1	Fitting, 90 ORFS	
2	2130808	1	Fitting, 90 ORFS	
3	2151210	1	Fitting, 45 ORFS	
4	1001244406	1	Valve, Change Flow Control	
4	7011367	1	Seal Kit	

FIGURE 9-28. VALVE ASSEMBLY - DIVERTOR VALVE

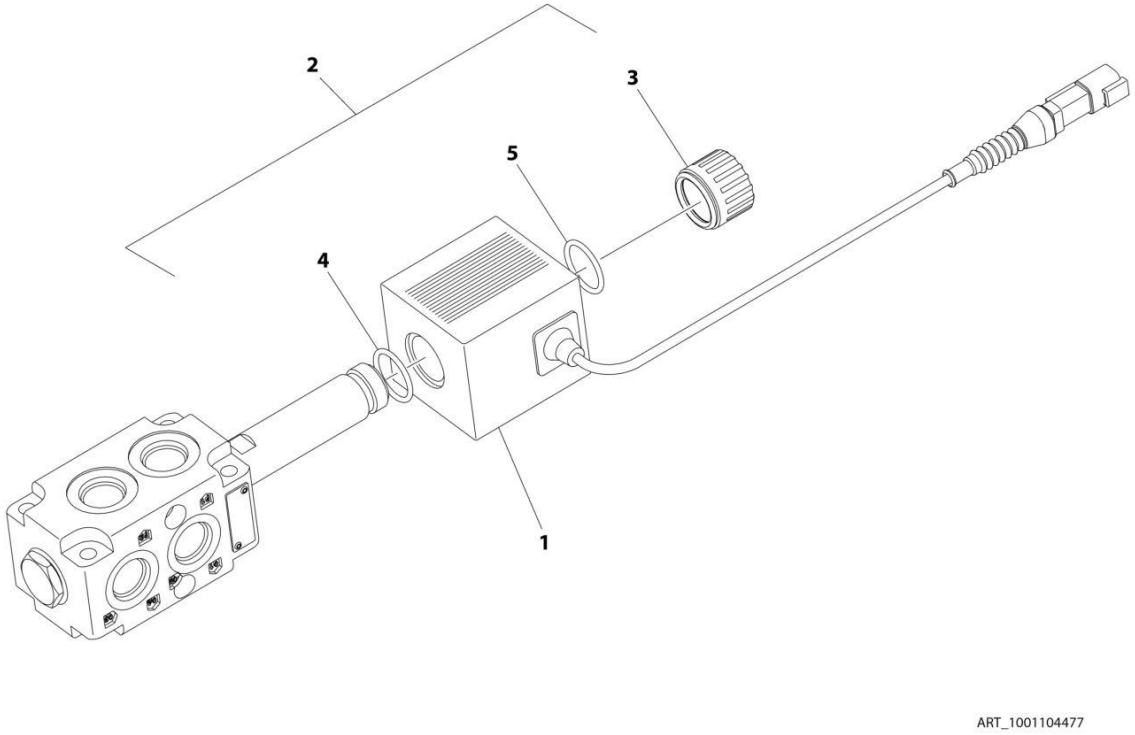


FIGURE 9-28. VALVE ASSEMBLY - DIVERTOR VALVE

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 9-29. VALVE ASSEMBLY - LEVEL AND STABILIZATION VALVE

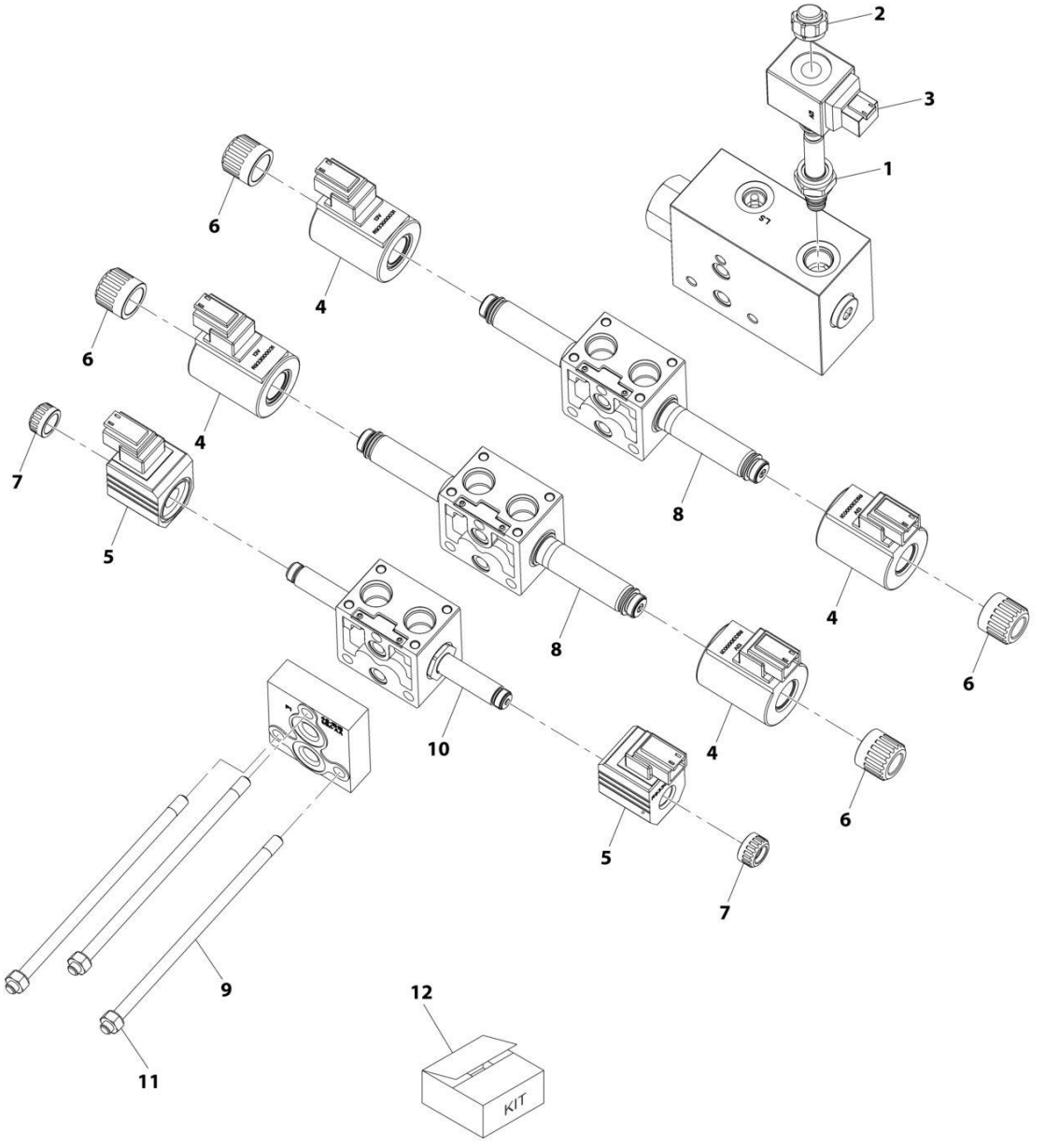


FIGURE 9-29. VALVE ASSEMBLY - LEVEL AND STABILIZATION VALVE

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

FIGURE 9-30. VALVE ASSEMBLY - MAIN CONTROL VALVE

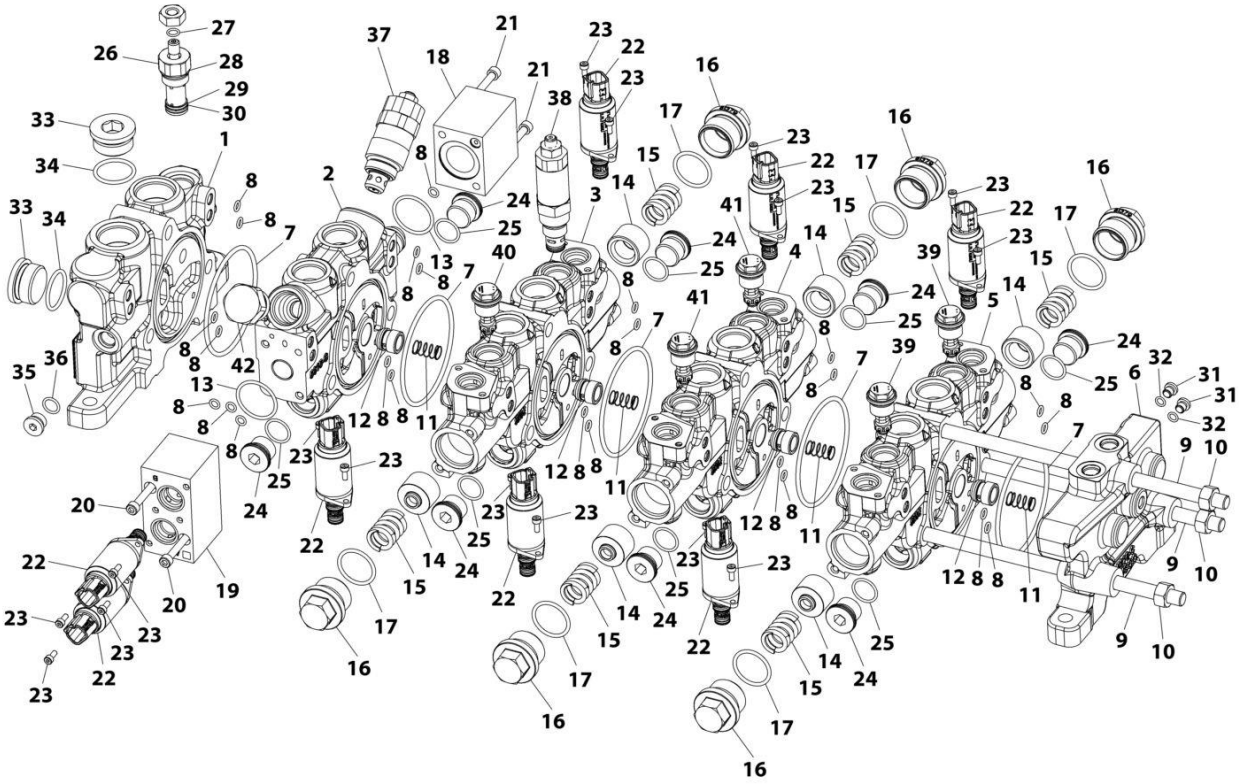
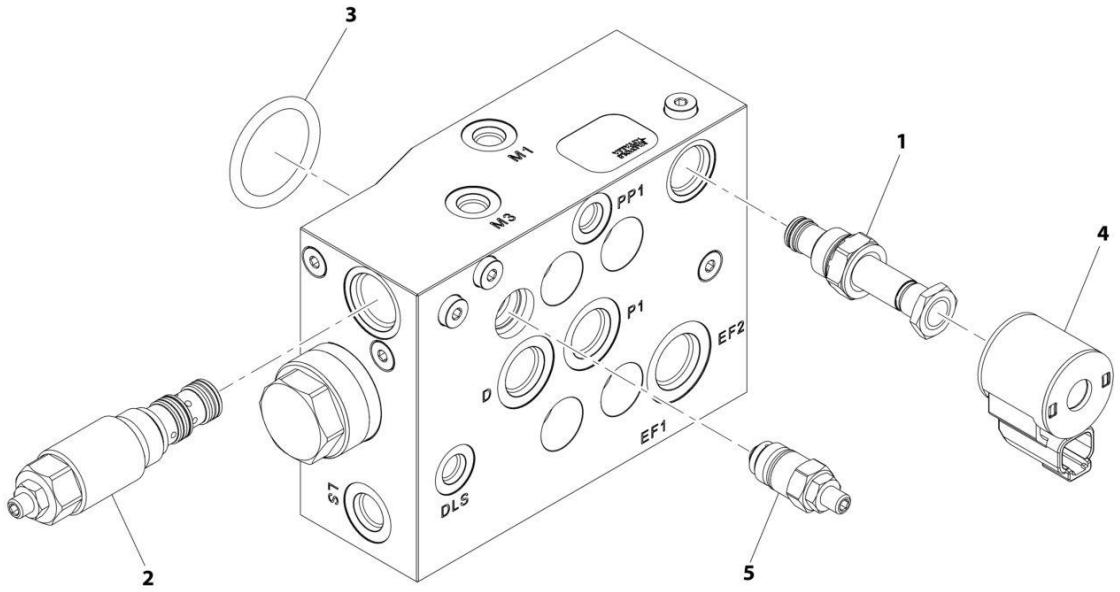


FIGURE 9-30. VALVE ASSEMBLY - MAIN CONTROL VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242634	Ref	MAIN CONTROL VALVE	C
1	70028300	1	Inlet Section Assembly	
2	70030240	1	Lift Section Assembly	
3	70030241	1	Tilt Section Assembly	
4	70030242	1	Auxiliary Section Assembly	
5	70029872	1	Extend/Retract Section Assembly	
6	70022007	1	Outlet Section Assembly	
7	8034697	5	O-Ring	
8	70026369	24	O-Ring	
9	70028299	3	Tie Rod	
10	70022019	6	Nut	
11	70025854	4	Spring	
12	70028287	4	Poppet, CV	
13	70026784	2	O-Ring	
14	70026781	6	Spring Seat	
15	70026783	6	Spring	
16	70026778	6	Plug Assembly	
17	70026779	6	O-Ring	
18	70029873	1	End Cap	
19	70030243	1	End Cap Assembly, Solenoid	
20	70026785	2	Screw	
21	70026383	2	Screw	
22	70029874	8	Cartridge Valve, Solenoid	
23	70022014	16	Screw	
24	70024847	8	Plug Assembly	
25	70026777	8	O-Ring	
26	70028286	1	Drain Regulator Assembly	
27	70026373	1	O-Ring	
28	10837928	1	O-Ring	
29	70026376	1	Ring	
30	70026370	1	O-Ring	
31	70026379	2	Plug	
32	70026372	2	O-Ring	
33	70050473	2	Plug	
34	10732931	2	O-Ring	
35	70050475	1	Plug	
36	70024201	1	O-Ring	
37	70030244	1	Relief Valve Assembly	
38	70030245	1	Relief Valve Assembly	
39	70028296	2	Relief Valve Assembly	
40	70028297	1	Relief Valve Assembly	
41	70030246	2	Relief Valve Assembly	
42	10837953	1	Shut -Off Plug	

FIGURE 9-31. VALVE ASSEMBLY - PRIORITY VALVE



ART_1001266710

FIGURE 9-31. VALVE ASSEMBLY - PRIORITY VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266710	Ref	Priority Valve	A
1	70029976	1	Cartridge	
2	70029977	1	Valve, Check	
3	70029978	1	O-Ring	
4	70002963	1	Coil	
5	70029979	1	Valve, Check	

FIGURE 9-32. VALVE ASSEMBLY - SAHR BRAKE VALVE

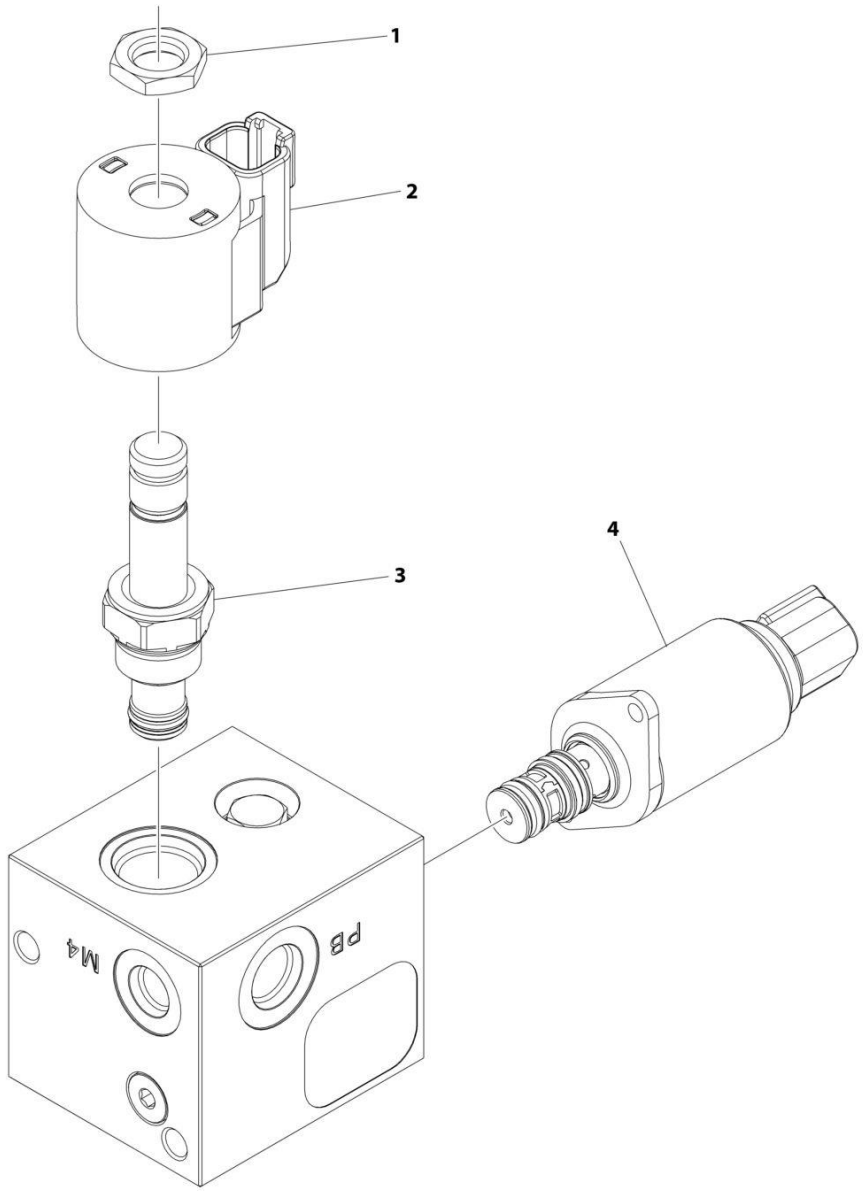


FIGURE 9-32. VALVE ASSEMBLY - SAHR BRAKE VALVE

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

FIGURE 9-33. VALVE ASSEMBLY - STEER

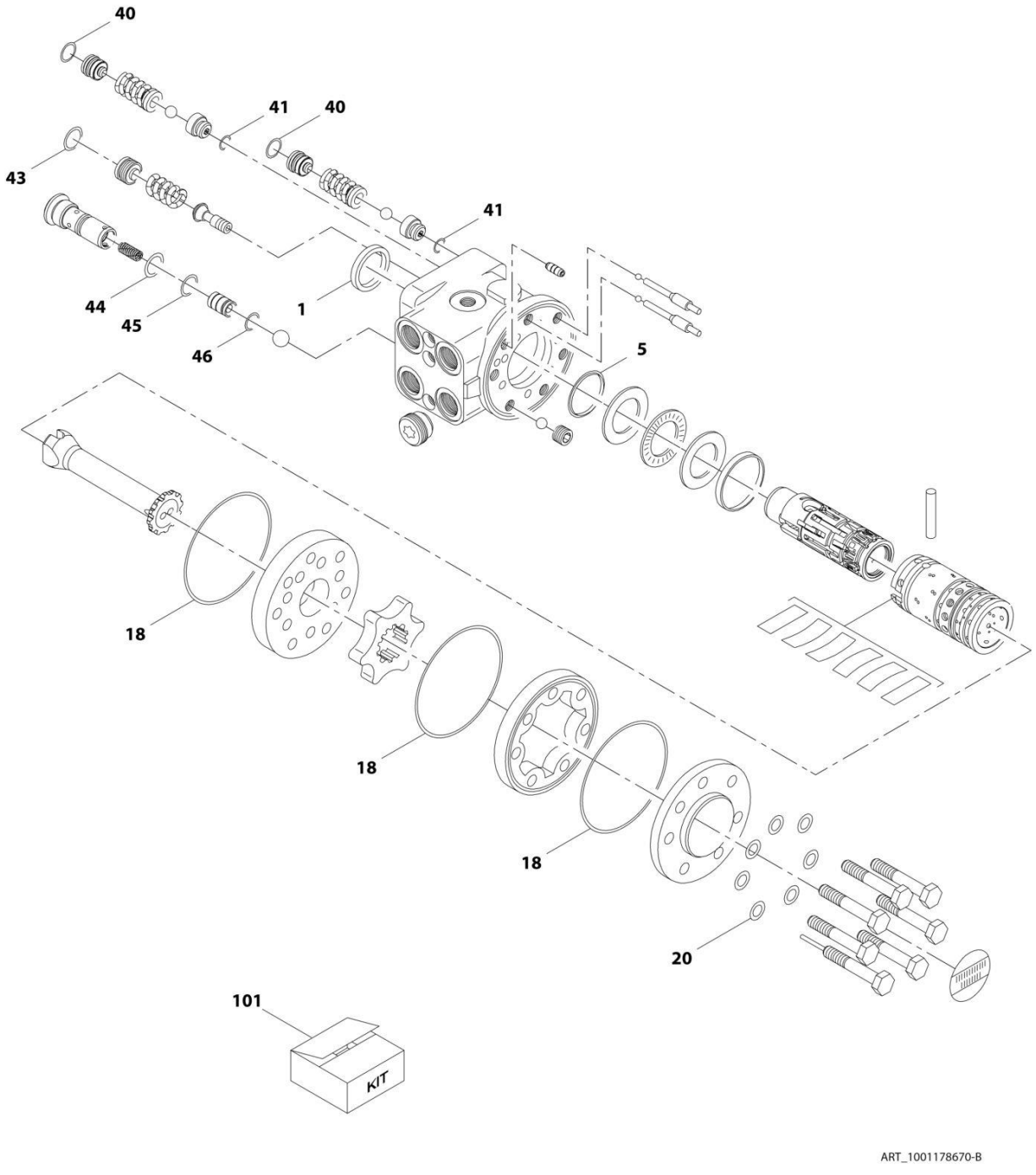


FIGURE 9-33. VALVE ASSEMBLY - STEER

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

FIGURE 9-34. VALVE ASSEMBLY - STEERING SELECT

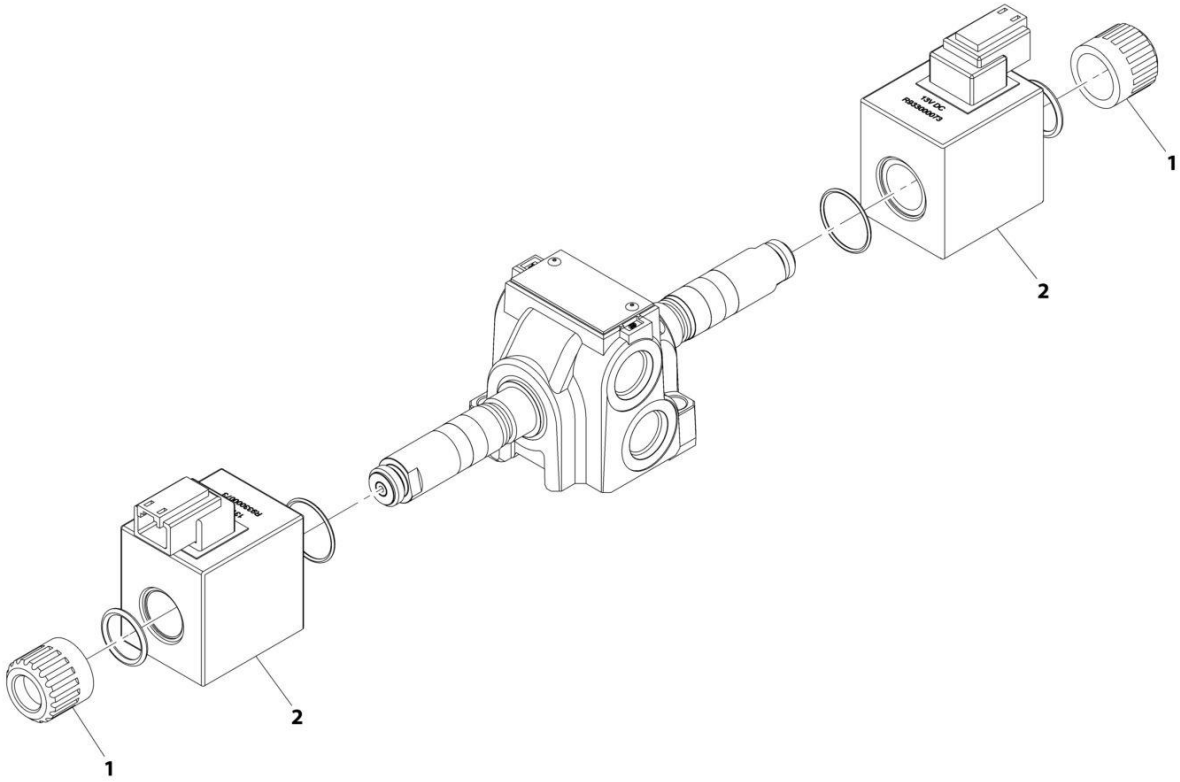
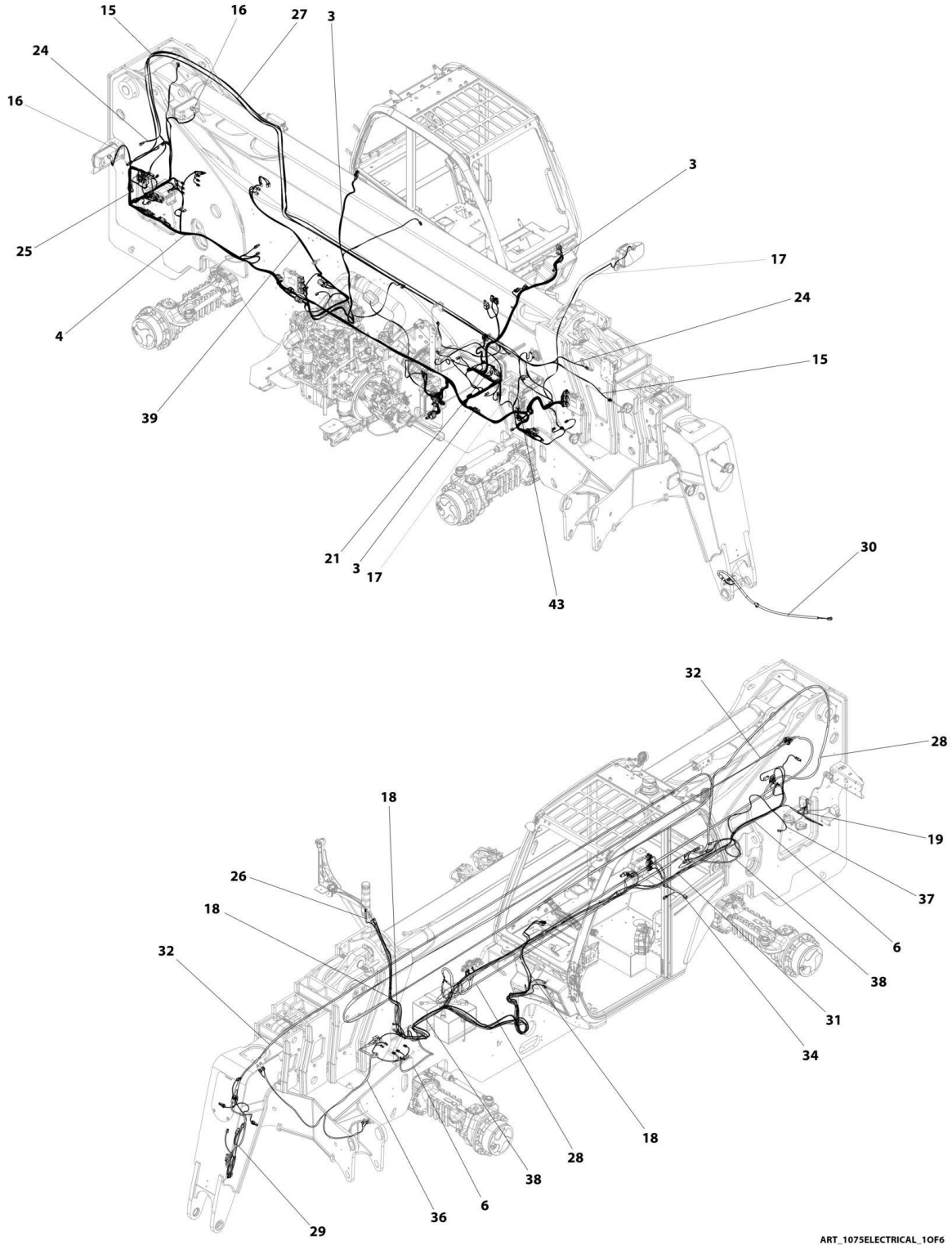


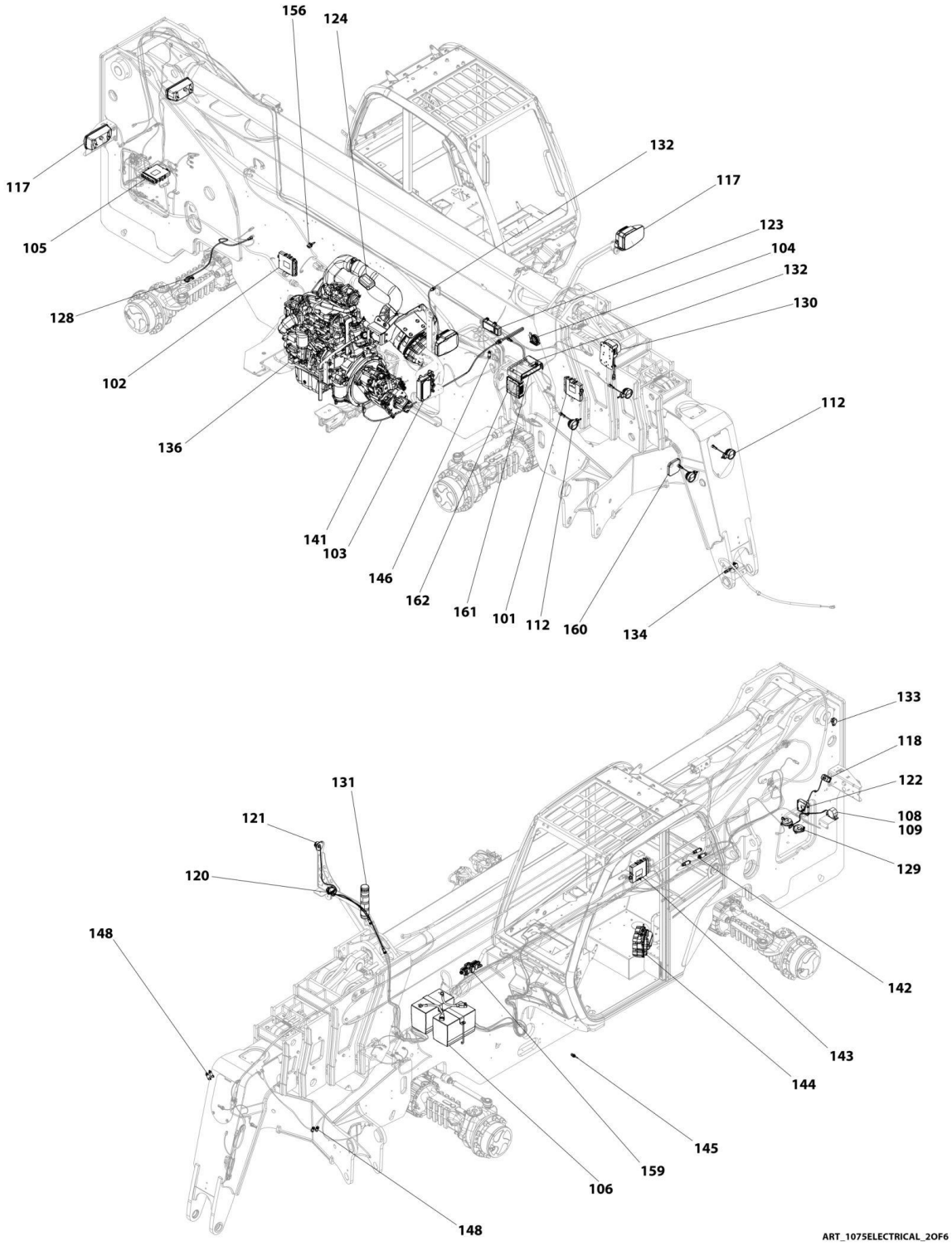
FIGURE 9-34. VALVE ASSEMBLY - STEERING SELECT

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

SECTION 10 - ELECTRICAL

FIGURE 10-1. ELECTRICAL LAYOUT

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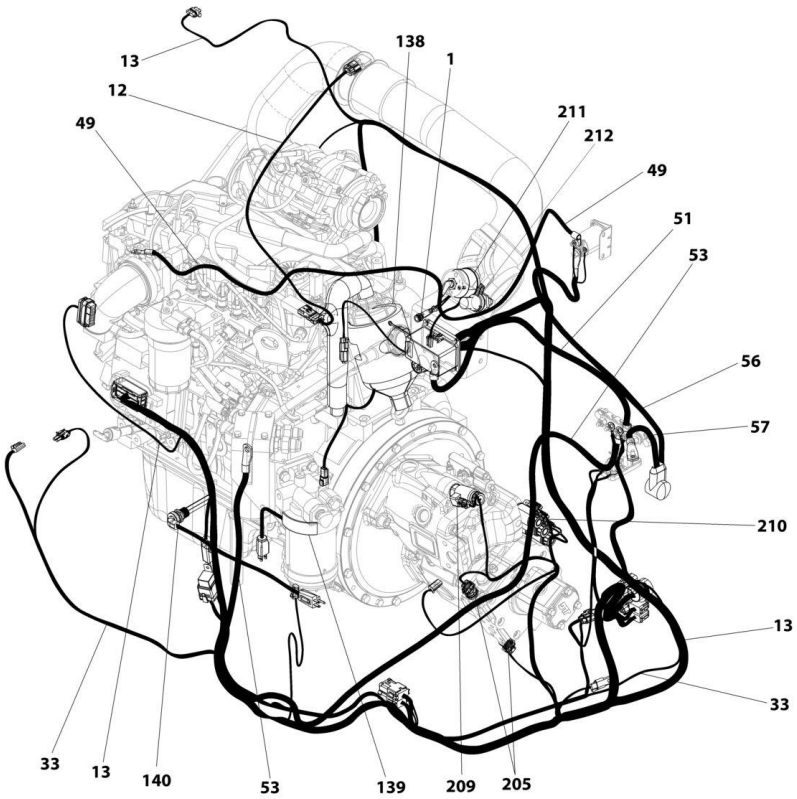
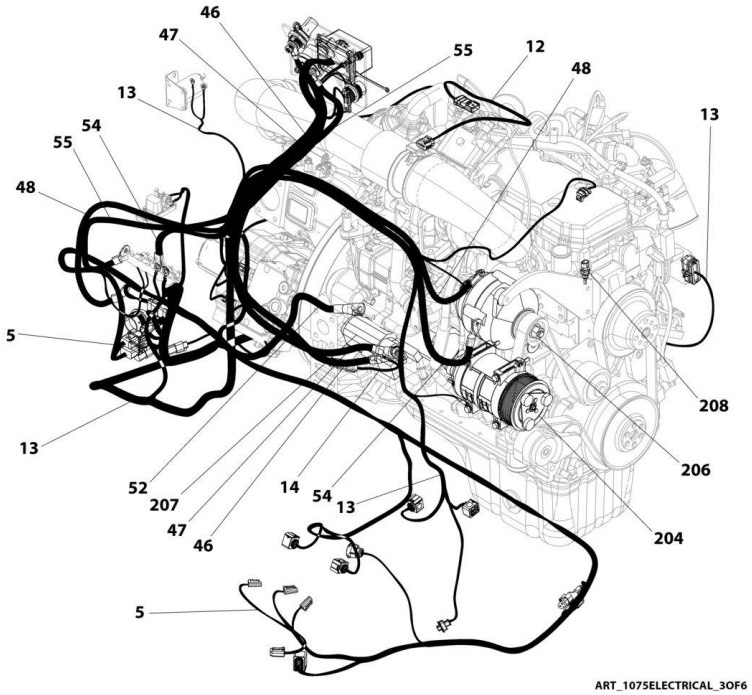
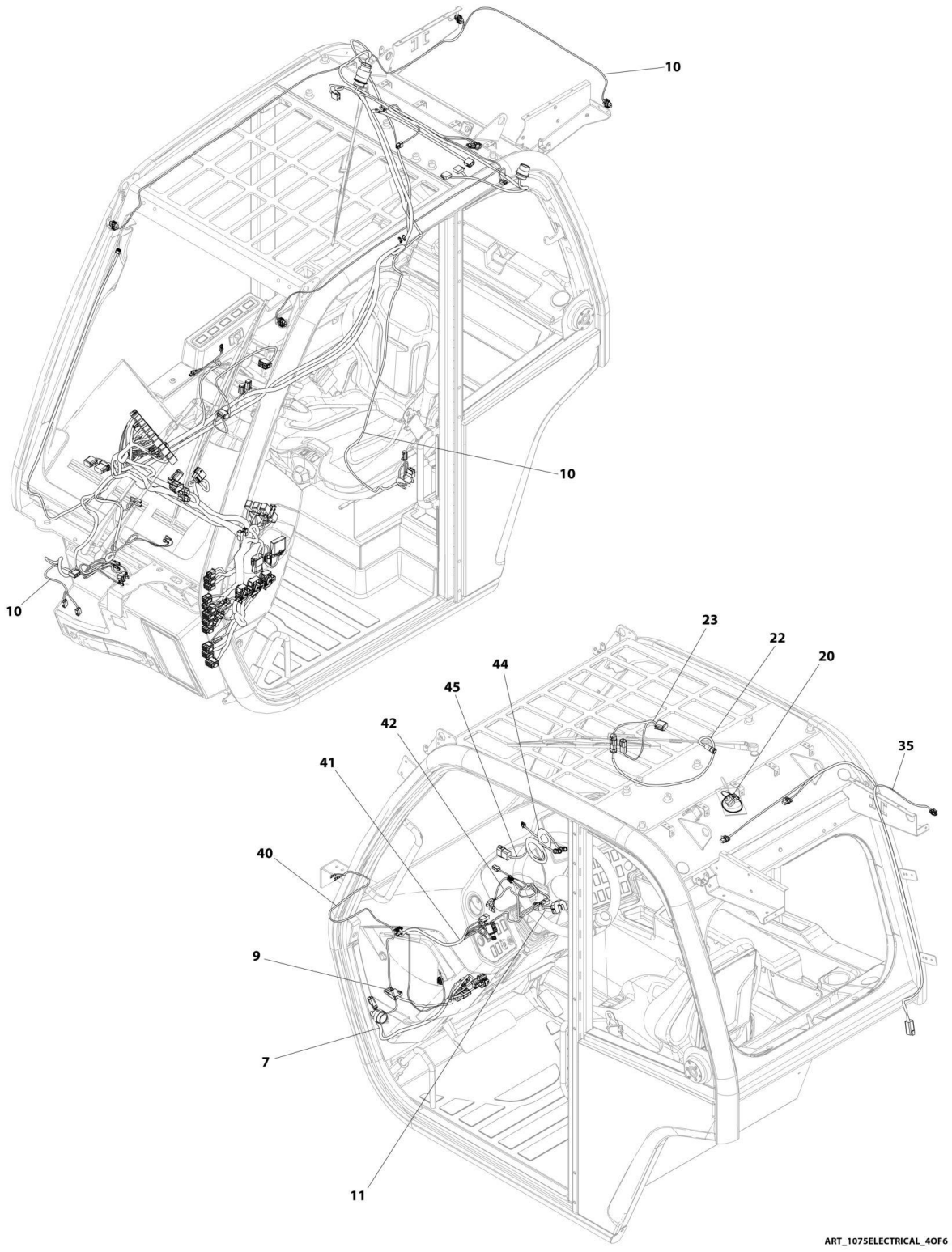
SECTION 10 - ELECTRICAL



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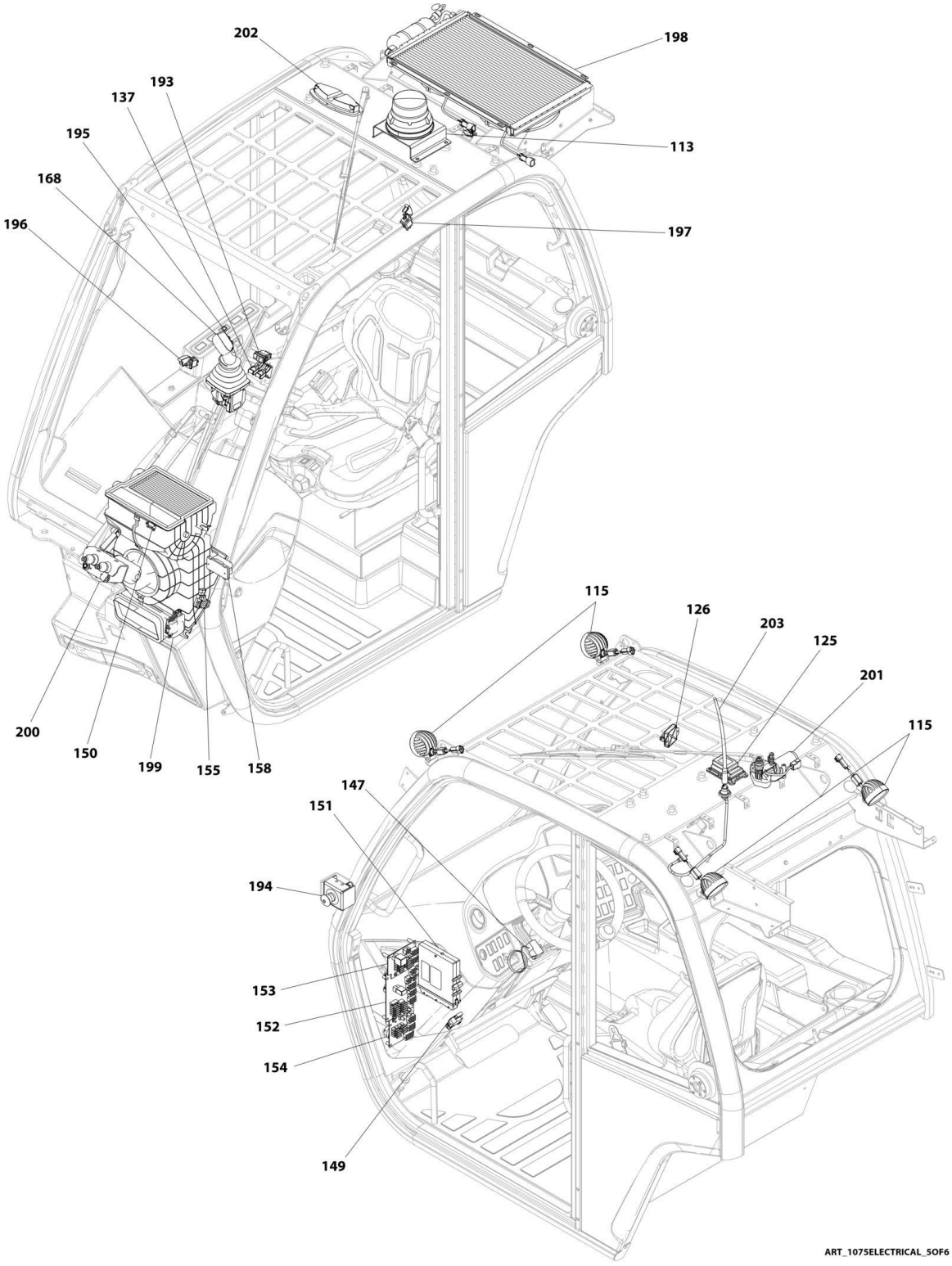
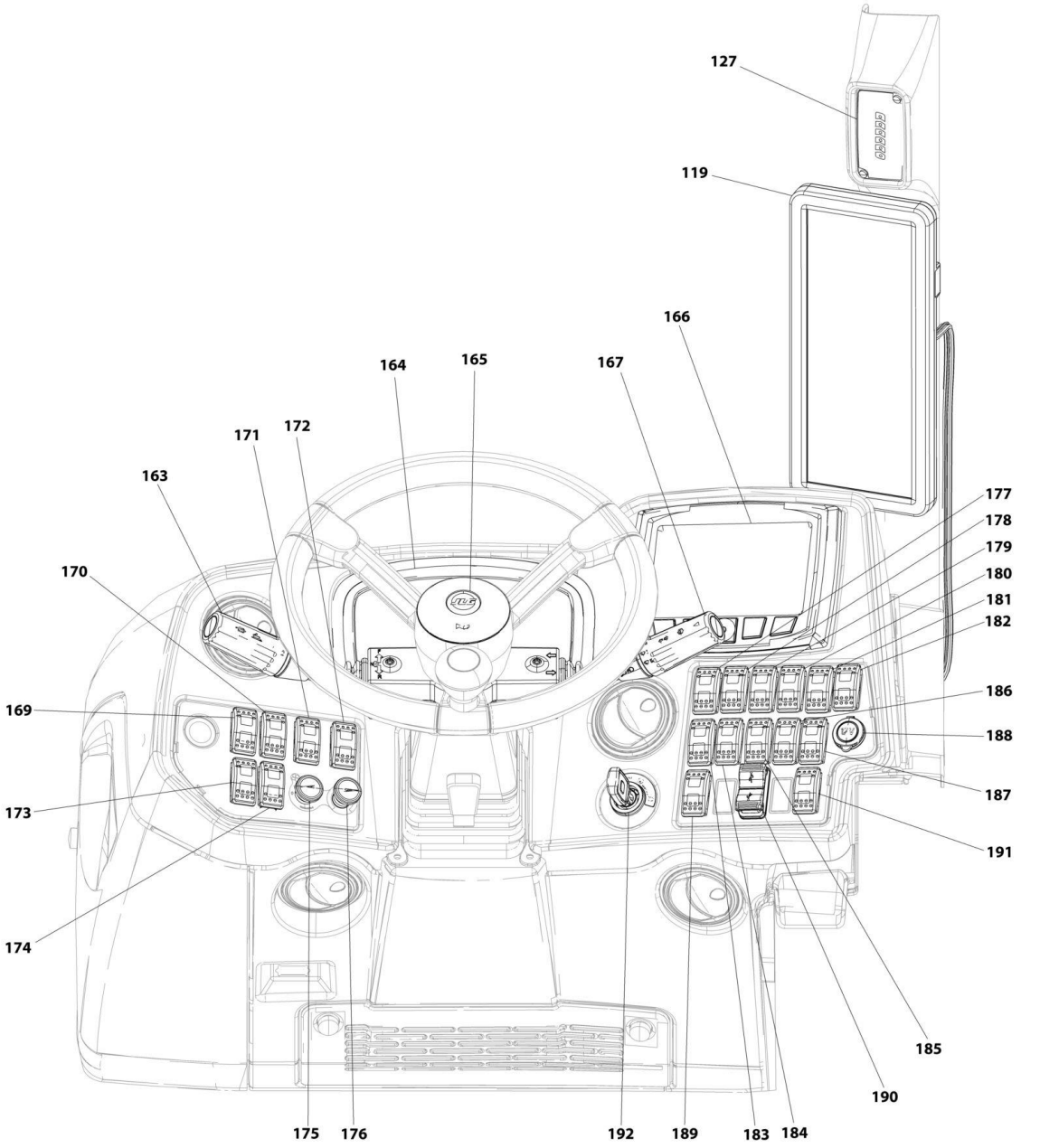
SECTION 10 - ELECTRICAL

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ART_1075ELECTRICAL_6OF6

FIGURE 10-1. ELECTRICAL LAYOUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HARNESS LIST	
		Ref	Note: This figure is for part identification only.	
1		Ref	Harness, DEF Purge Light	
3		Ref	Harness, Front Frame	
4		Ref	Harness, Rear Frame	
5		Ref	Harness, Cummins Engine	
6		Ref	Harness, Front Frame Power	
7		Ref	Harness, Cab Option	
9		Ref	Cable, Communication Analyzer	
10		Ref	Harness, Cab	
11		Ref	Harness, Ignition Switch	
12		Ref	Harness, TBAP	
13		Ref	Harness, Engine	
14		Ref	Harness, Starter Solenoid Jumper	
15		Ref	Harness, Boom Worklights	
16		Ref	Harness, Tailights	
17		Ref	Harness, Headlights	
18		Ref	Cable, Right Side Camera Extension	
19		Ref	Harness, Reverse Sensor	
20		Ref	Harness, Telematics Ready	
21		Ref	Harness, Clearsky	
22		Ref	Harness, Telematics	
23		Ref	Harness, Xirgo Jumper	
24		Ref	Harness, LMIS Boom	
25		Ref	Harness, Platform Ready	
26		Ref	Harness, LMIS Beacon Option	
27		Ref	Harness, Soft Stop	
28		Ref	Harness, Frame to Boom	
29		Ref	Harness, Platform	
30		Ref	Harness, Tilt Sensor Jumper	
31		Ref	Cable, Reverse Camera	
32		Ref	Harness, Boom	
33		Ref	Harness, ASOV	
34		Ref	Harness, Seat Adaptor	
35		Ref	Harness, A/C Option	
36		Ref	Harness, Outrigger	
37		Ref	Harness, Boom Ride/Float	
38		Ref	Harness, LMIS Chassis Option	
39		Ref	Harness, Rear Axle Stabilizer	
40		Ref	Harness, Emergency Stop	
41		Ref	Harness, HVAC Actuator	
42		Ref	Harness, HVAC Sensor	
43		Ref	Harness, Attachment Recognition	
44		Ref	Cable, Display Programming	
45		Ref	Cable, Display Video	
46		Ref	Cable, Starter to Battery Disconnect	
47		Ref	Cable, Starter to Remote B+	
48		Ref	Cable, PDM to ALT+	
49		Ref	Cable, Grid Heater	
50		Ref	Cable, PDM to Power Fuse Module	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51		Ref	Cable, Ground Buss to Remote Ground	
52		Ref	Cable, Starter Ground	
53		Ref	Cable, Engine Ground	
54		Ref	Cable, Alt Ground	
55		Ref	Cable, Battery Disconnect to PDM	
56		Ref	Cable, PDM to Grid Heater	
		Ref	COMPONENT LIST	
		Ref	Note: This figure is for part identification only.	
101		Ref	Module, Front Frame	
102		Ref	Module, Transmission	
103		Ref	Box, Power Distribution Electrical	
104		Ref	Horn	
105		Ref	Module, Rear Frame	
106		Ref	Batteries	
108		Ref	Alarm, Backup	
109		Ref	Alarm, Backup (White Noise)	
110		Ref	Dash Electrics	
112		Ref	Worklights	
113		Ref	Beacon	
115		Ref	Cab Worklights	
117		Ref	Road Lights	
118		Ref	Camera, Reverse	
119		Ref	Display, Camera	
120		Ref	Camera, Normal View	
121		Ref	Camera, Mirror View	
122		Ref	Sensor, Reverse	
123		Ref	Module, ClearSky Telematics CANBUS	
124		Ref	Antennae, ClearSky Telematics	
125		Ref	Module, ClearSky Telematics 3-Wire	
126		Ref	Voltage Regulator, ClearSky Telematics	
127		Ref	Display, LSI	
128		Ref	Sensor, Rear Axle	
129		Ref	Sensor, Tilt	
130		Ref	Sensor, Boom Length	
131		Ref	Light, LMIS Beacon	
132		Ref	Sensor, Proximity	
133		Ref	Sensor, Boom Angle	
134		Ref	Sensor, Tilt Dual Axis	
136		Ref	Engine	
137		Ref	Control, Fingertip Joystick	
138		Ref	Breather Tube Heater	
139		Ref	Fuel Filter Heater Pad	
140		Ref	Heater, Engine Block	
141		Ref	Heater, Immersion	
142		Ref	Sensor, LMIS Pressure	
143		Ref	Module, LMIS	
144		Ref	Pump, DEF Module	
145		Ref	Sensor, Hydraulic Oil Temperature	
146		Ref	Sensor, LMIS Tilt Pressure Transducer	
147		Ref	Sensor, HVAC Thermostat	
148		Ref	Sensor, LMIS O/R Pressure Transducer	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
149		Ref	Switch, Brake Light	
150		Ref	Valve, HVAC Water Sensor	
151		Ref	Module, Cab	
152		Ref	Electrical Board, Standard	
153		Ref	Electrical Board, Option 1	
154		Ref	Electrical Board, Option 2	
155		Ref	Sensor, Brake	
156		Ref	Sensor, Coolant Level	
158		Ref	HVAC Actuator	
159		Ref	Valve, Speed Control	
160		Ref	Antenna, Attachment Recognition	
161		Ref	Receiver, Attachment Recognition	
162		Ref	Module, Attachment Recognition Voltage Control	
163		Ref	Lever, Transmission Control	
164		Ref	Instrument Panel	
165		Ref	Horn	
166		Ref	Multifunction Display	
167		Ref	Lever, Accessory Control	
168		Ref	Joystick	
169		Ref	Switch, Park Brake	
170		Ref	Switch, Continuous Auxiliary Hydraulic	
171		Ref	Switch, Air Conditioning	
172		Ref	Switch, HVAC Recirculation	
173		Ref	Switch, LSI Override	
174		Ref	Switch, Coupler	
175		Ref	HVAC Fan Speed	
176		Ref	Switch, HVAC Temperature Control	
177		Ref	Switch, Fog Lights	
178		Ref	Switch, Front Work Lights	
179		Ref	Switch, Boom Work Lights	
180		Ref	Switch, Rear Work Lights	
181		Ref	Switch, Beacon Light	
182		Ref	Switch, Hazard Lights	
183		Ref	Switch, Rear Wiper	
184		Ref	Switch, Roof Wiper	
185		Ref	Switch, Auxiliary Electric	
186		Ref	Switch, Boom Ride Control	
187		Ref	Switch, Auxiliary Decompression	
188		Ref	Power Outlet	
189		Ref	Switch, Steer Select	
190		Ref	USB Port	
191		Ref	Switch, Master Light and Road Lights	
192		Ref	Switch, Ignition	
193		Ref	Switch, Frame Level	
194		Ref	Switch, Power/Emergency Stop	
195		Ref	Lamp, Air Shutoff Valve Indicator	
196		Ref	Switch, Air Shutoff Valve Emergency Stop	
197		Ref	Switch, Air Shutoff Valve Test	
198		Ref	Assembly, Cab Condenser	
199		Ref	Assembly, Heater & A/C	
200		Ref	Motor, Front Wiper	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
201		Ref	Motor, Roof Wiper	
202		Ref	Lamp, Dome	
203		Ref	Antenna, Radio	
204		Ref	Compressor, A/C	
205		Ref	Sensor, Hydrostatic Pump Pressure Transducer	
206		Ref	Alternator	
207		Ref	Starter	
208		Ref	Sensor, Engine Coolant Temperature	
209		Ref	Solenoid, Implement Pump	
210		Ref	Solenoid, Hydrostatic Transmission Pump	
211		Ref	Switch, Master Electrical	
212		Ref	Stud, Battery Jump Start	

FIGURE 10-2. MAIN ELECTRICAL INSTALLATION (1075)

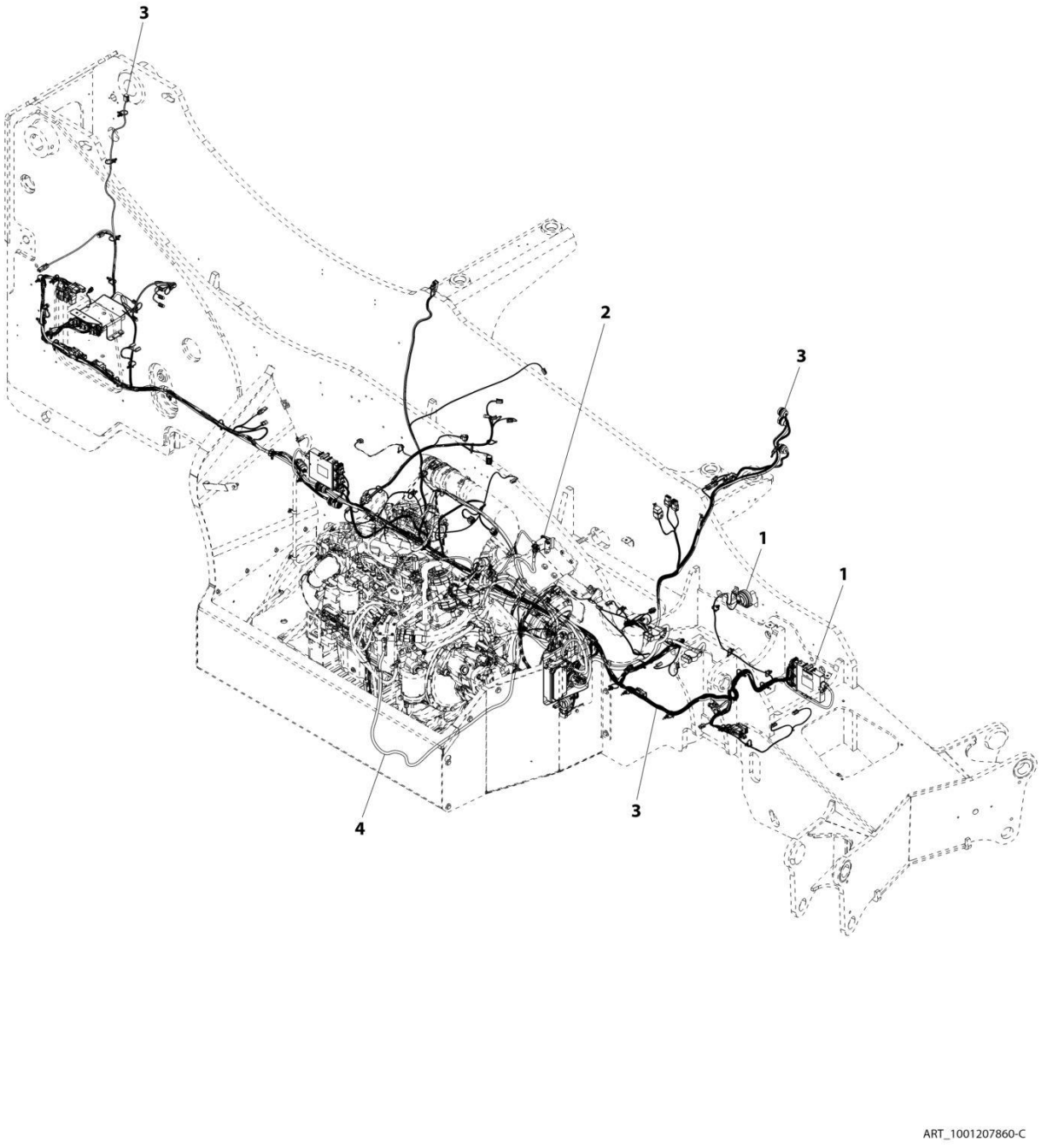


FIGURE 10-2. MAIN ELECTRICAL INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207860	Ref	Main Electrical Installation	C
1	1001201198	Ref	Frame Electrical Installation (See Separate Breakdown in this Section)	
2	1001201199	Ref	Engine Bay Electrical Installation (See Separate Breakdown in this Section)	
3	1001201200	Ref	Frame Wiring Installation (See Separate Breakdown in this Section)	
4	1001236674	Ref	Engine Bay Wiring Installation (See Separate Breakdown in this Section)	

FIGURE 10-3. MAIN ELECTRICAL INSTALLATION (4523)

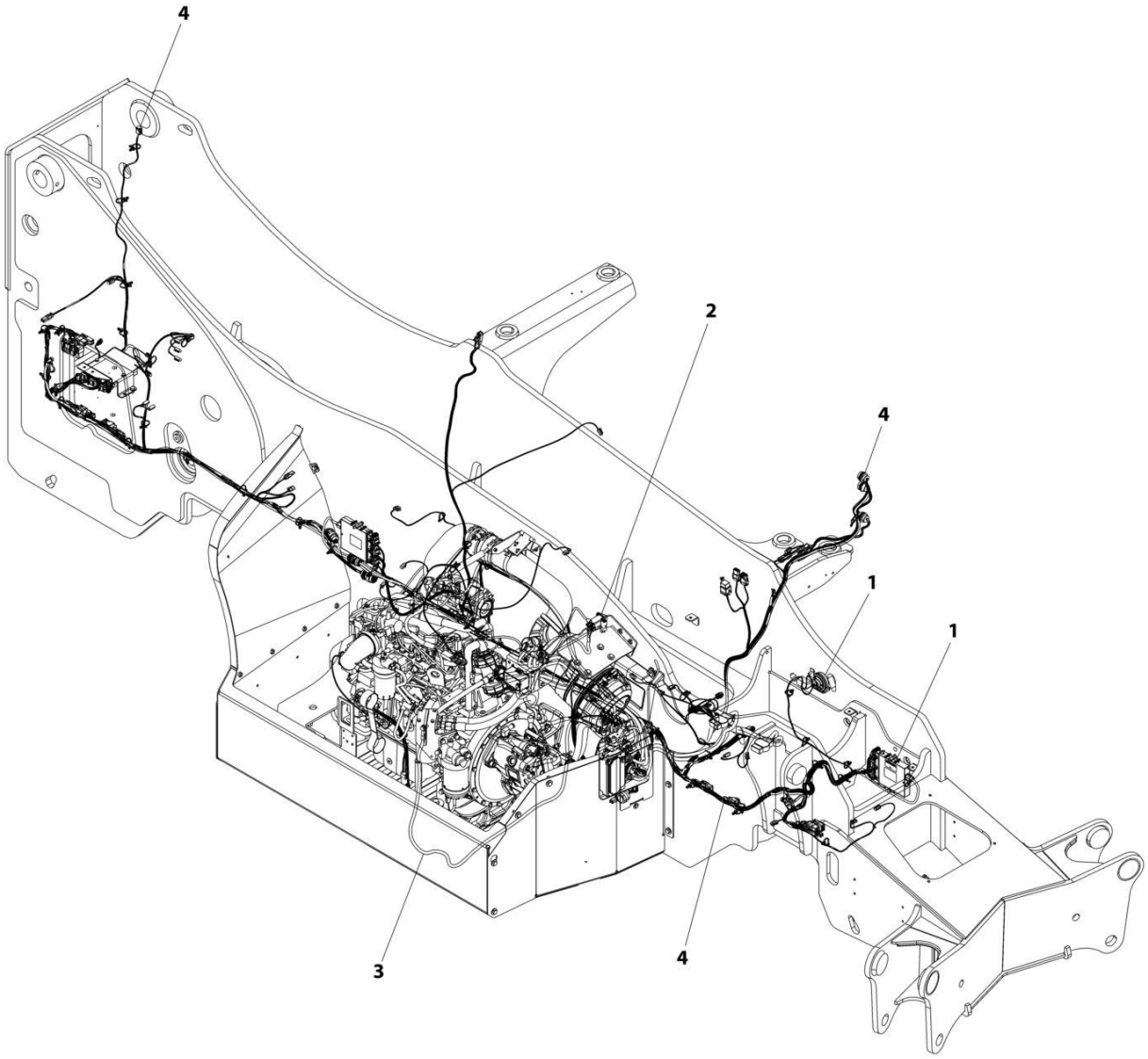


FIGURE 10-3. MAIN ELECTRICAL INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001278595	Ref	MAIN ELECTRICAL INSTALLATION	A
1	1001201198	Ref	Frame Electrical Installation (See Separate Breakdown in this Section)	
2	1001264601	Ref	Engine Bay Electrical Installation (See Separate Breakdown in this Section)	
3	1001264276	Ref	Engine Bay Wiring Installation (See Separate Breakdown in this Section)	
4	1001278581	Ref	Frame Wiring Installation (See Separate Breakdown in this Section)	

FIGURE 10-4. ALARM INSTALLATION - BACKUP

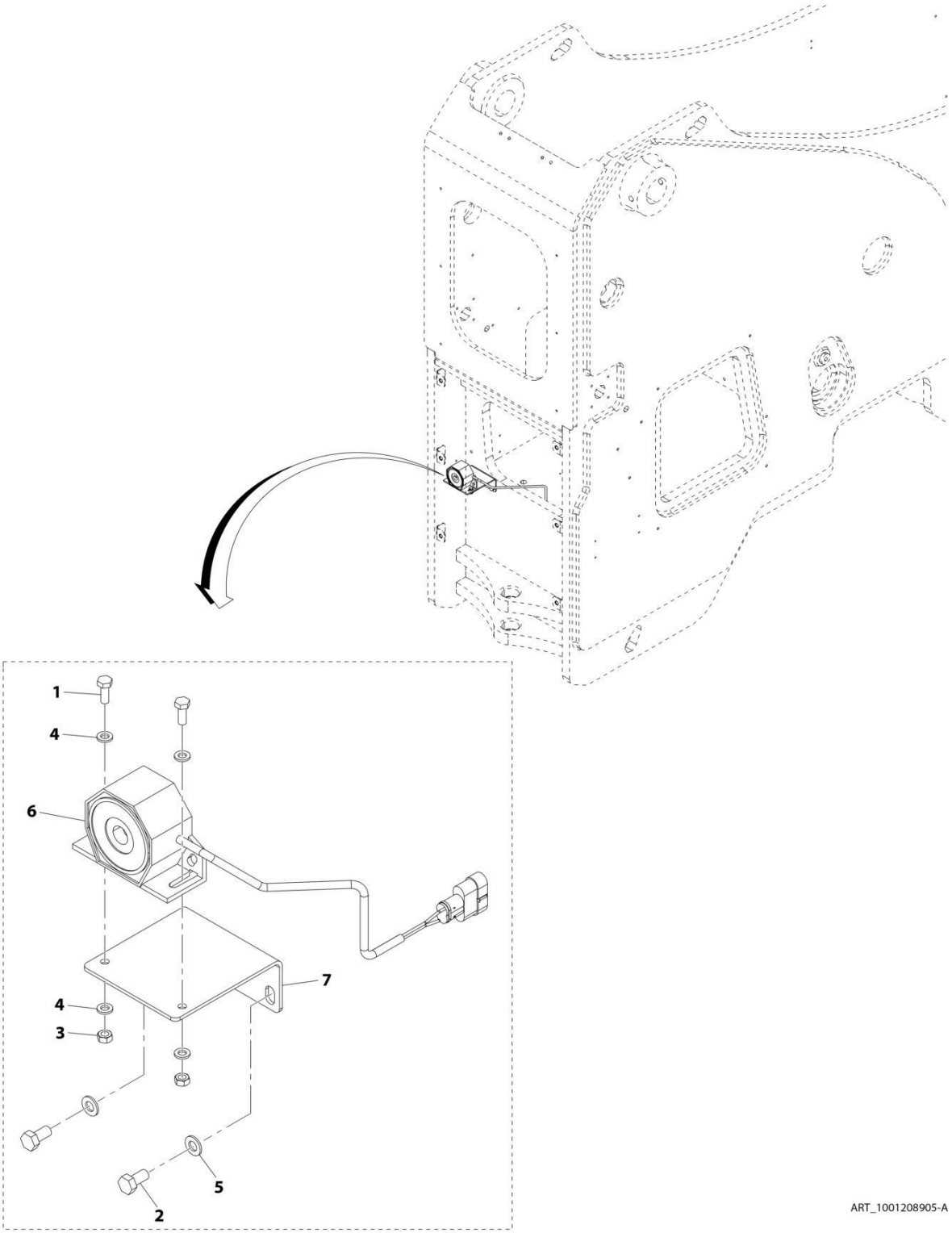


FIGURE 10-4. ALARM INSTALLATION - BACKUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208905	Ref	Backup Alarm Installation	A
1	0760608	2	Bolt M6X16	
2	0760808	2	Bolt M8X16	
3	3290601	2	Nut M6	
4	4811700	4	Washer M6	
5	4811900	2	Washer M8	
6	1001101808	1	Alarm, Backup	
7	1001208904	1	Bracket	

FIGURE 10-5. ALARM INSTALLATION - BACKUP (WHITE NOISE)

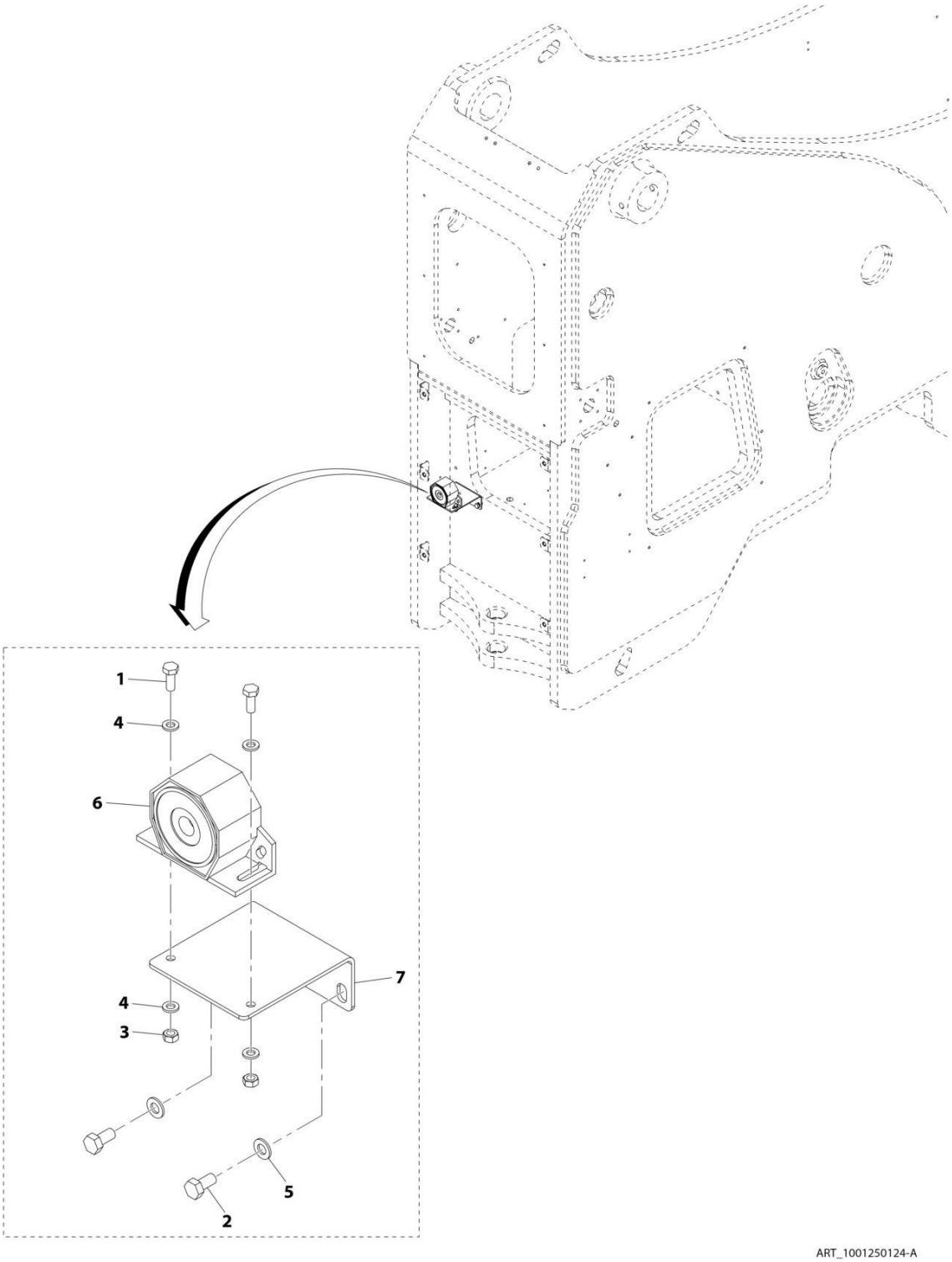


FIGURE 10-5. ALARM INSTALLATION - BACKUP (WHITE NOISE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250124	Ref	Backup Alarm Installation (White Noise)	A
1	0760608	2	Bolt M6X16	
2	0760808	2	Bolt M8X16	
3	3290601	2	Nut M6	
4	4811700	4	Washer M6	
5	4811900	2	Washer M8	
6	1001165827	1	Alarm, Backup (White Noise)	
7	1001208904	1	Bracket	

FIGURE 10-6. ATTACHMENT RECOGNITION HARNESS

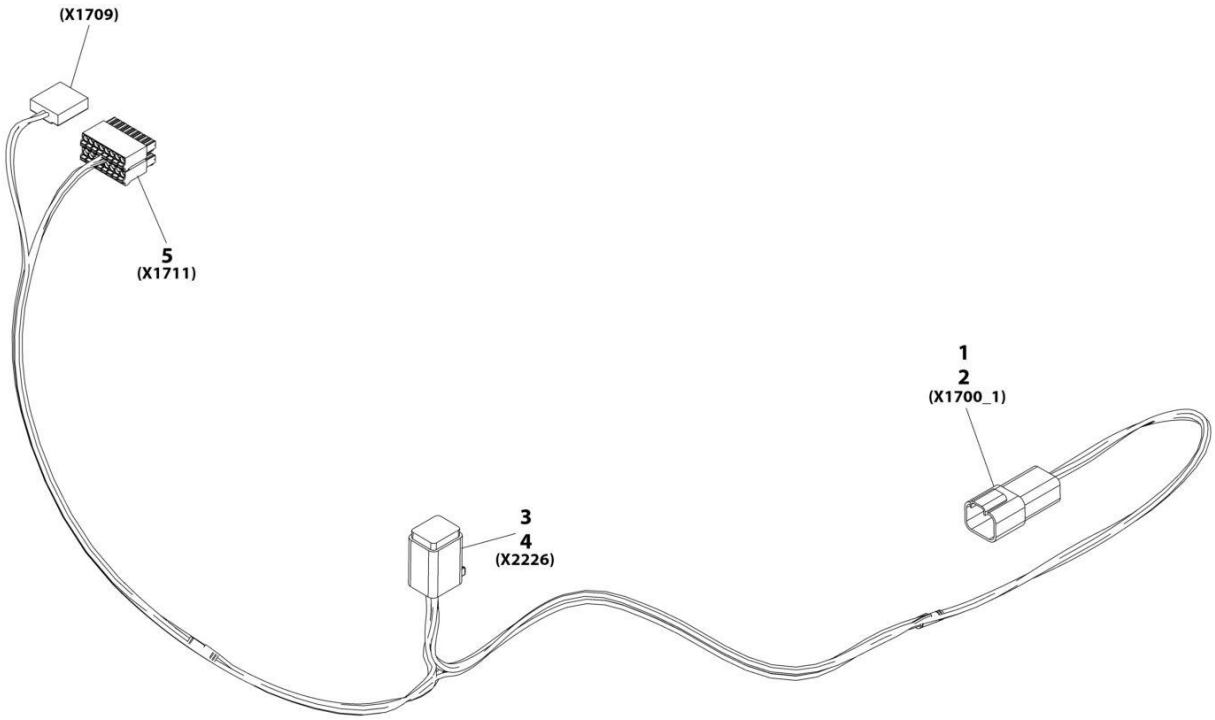


FIGURE 10-6. ATTACHMENT RECOGNITION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250203	Ref	Attachment Recognition Harness	B
1	4460932	1	Connector	
2	4460464	4	Terminal	
3	4460894	1	Connector	
4	4460465	6	Terminal	
5	1001206837	1	Connector	

FIGURE 10-7. BATTERY INSTALLATION - DUAL

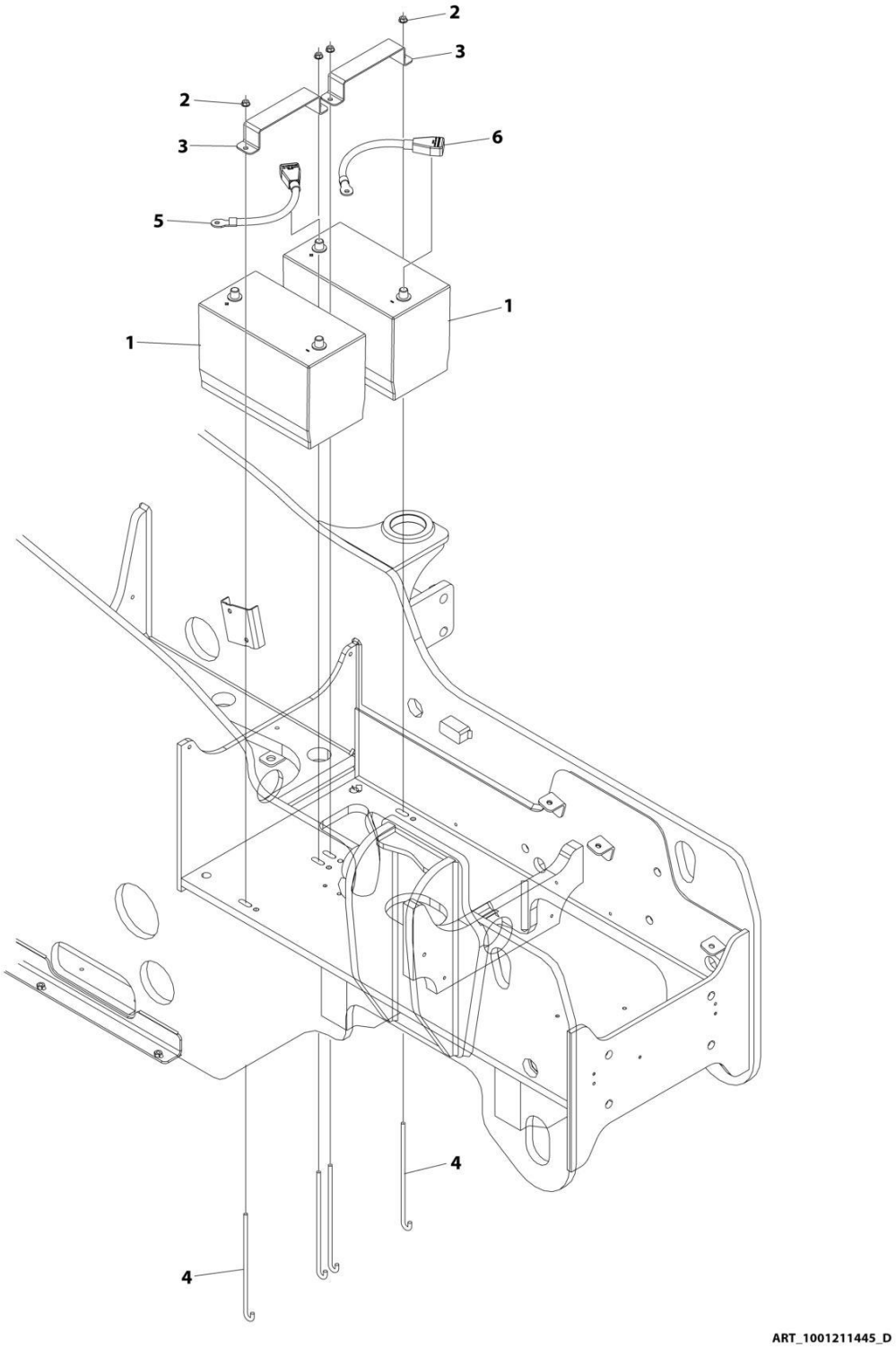


FIGURE 10-7. BATTERY INSTALLATION - DUAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211445	Ref	Dual Battery Installation	D
1	0400075	2	Battery, 12V	
2	5220800	4	Nut Ripp M8	
3	1001160927	2	Plate	
4	1001160928	4	J-Bolt (270mm Length)	
4	1001181961	4	J-Bolt (220mm Length)	
5	1001203557	1	Cable, Positive Battery	
6	1001203558	1	Cable, Negative Battery	

FIGURE 10-8. BATTERY INSTALLATION - DUAL (WITH BREATHER TUBE HEATER)

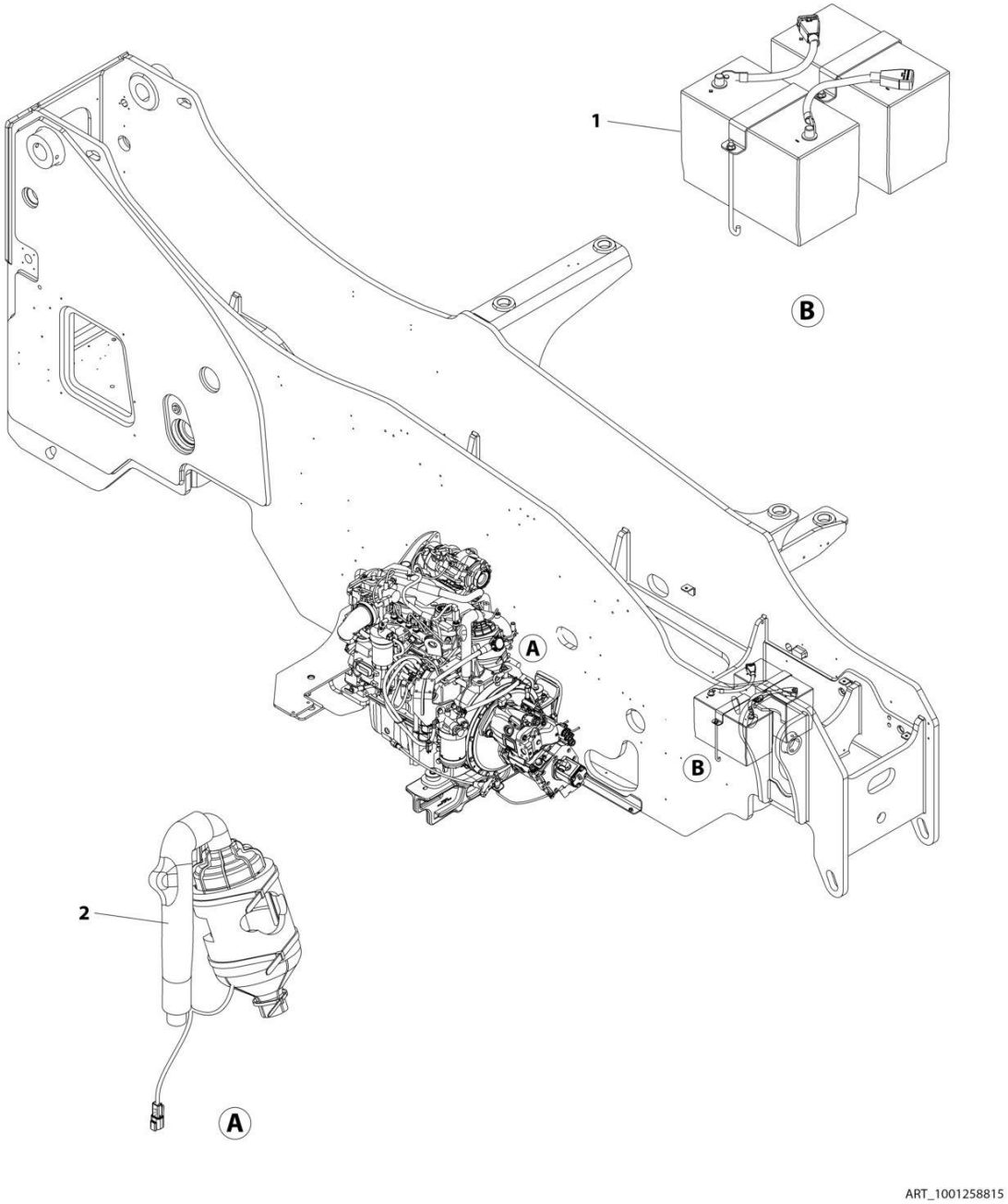


FIGURE 10-8. BATTERY INSTALLATION - DUAL (WITH BREATHER TUBE HEATER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258815	Ref	BATTERY INSTALLATION - DUAL (WITH BREATHER TUBE HEATER)	A
1	1001211445	Ref	Dual Battery Installation (See Separate Breakdown in this Section)	
2	1001246882	Ref	Breather Tube Heater Installation (See Separate Breakdown in ENGINE AND ATTACHING PARTS Section)	

FIGURE 10-9. BATTERIES INSTALLATION - ARCTIC (115V)

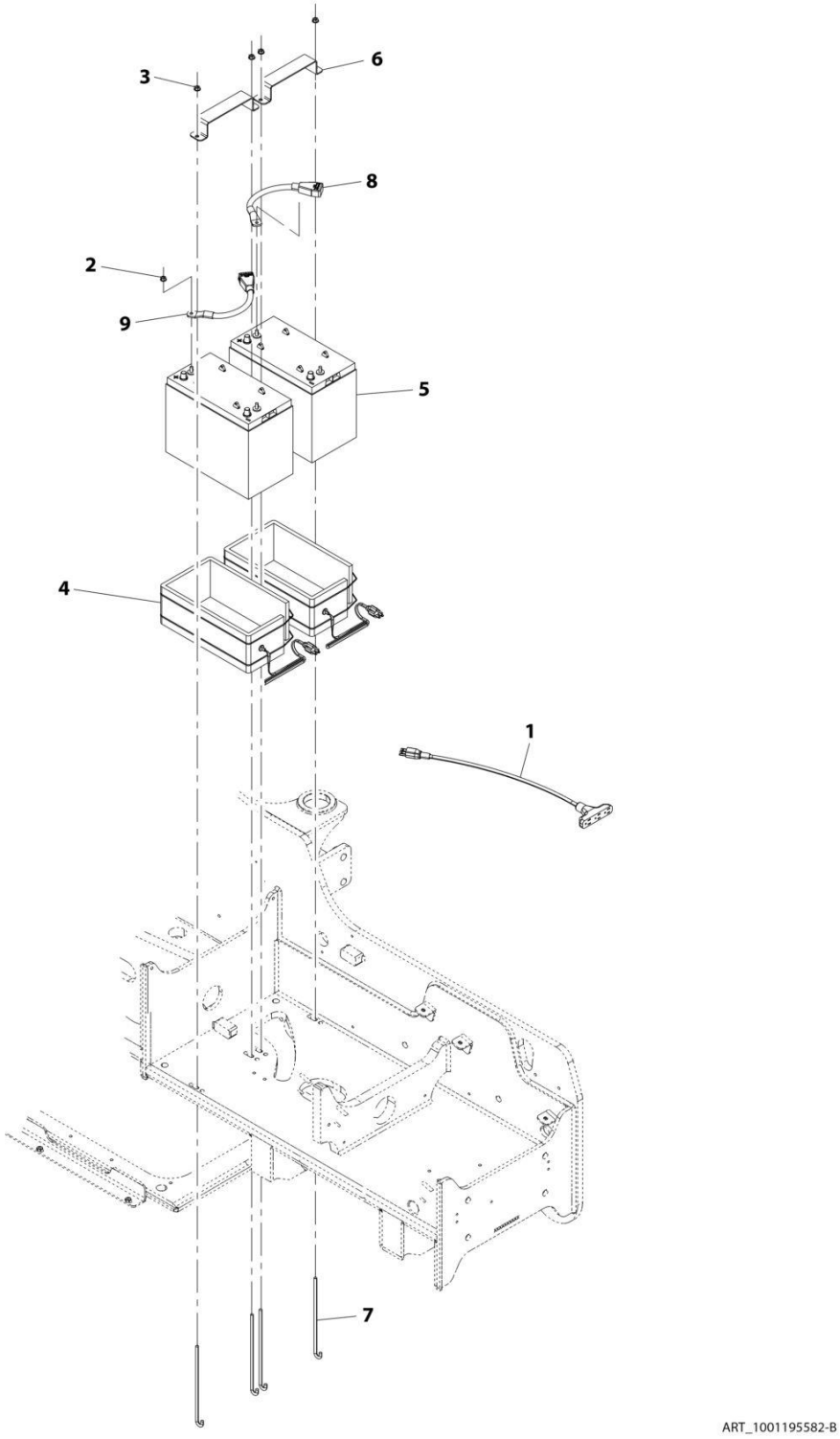


FIGURE 10-9. BATTERIES INSTALLATION - ARCTIC (115V)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195582	Ref	Arctic Batteries Installation (115V)	B
1	1060626	1	Cord, 3-Way Extension	
2	3311508	2	Nut 5/16	
3	5220800	4	Nut M8	
4	1001093564	2	Heater, Battery	
5	1001098762	2	Battery 12V	
6	1001160927	2	Plate, Battery Hold Down	
7	1001160928	4	J-Bolt	
8	1001172495	1	Cable, Positive Battery	
9	1001172496	1	Cable, Negative Battery	

FIGURE 10-10. BEACON INSTALLATION (LED)

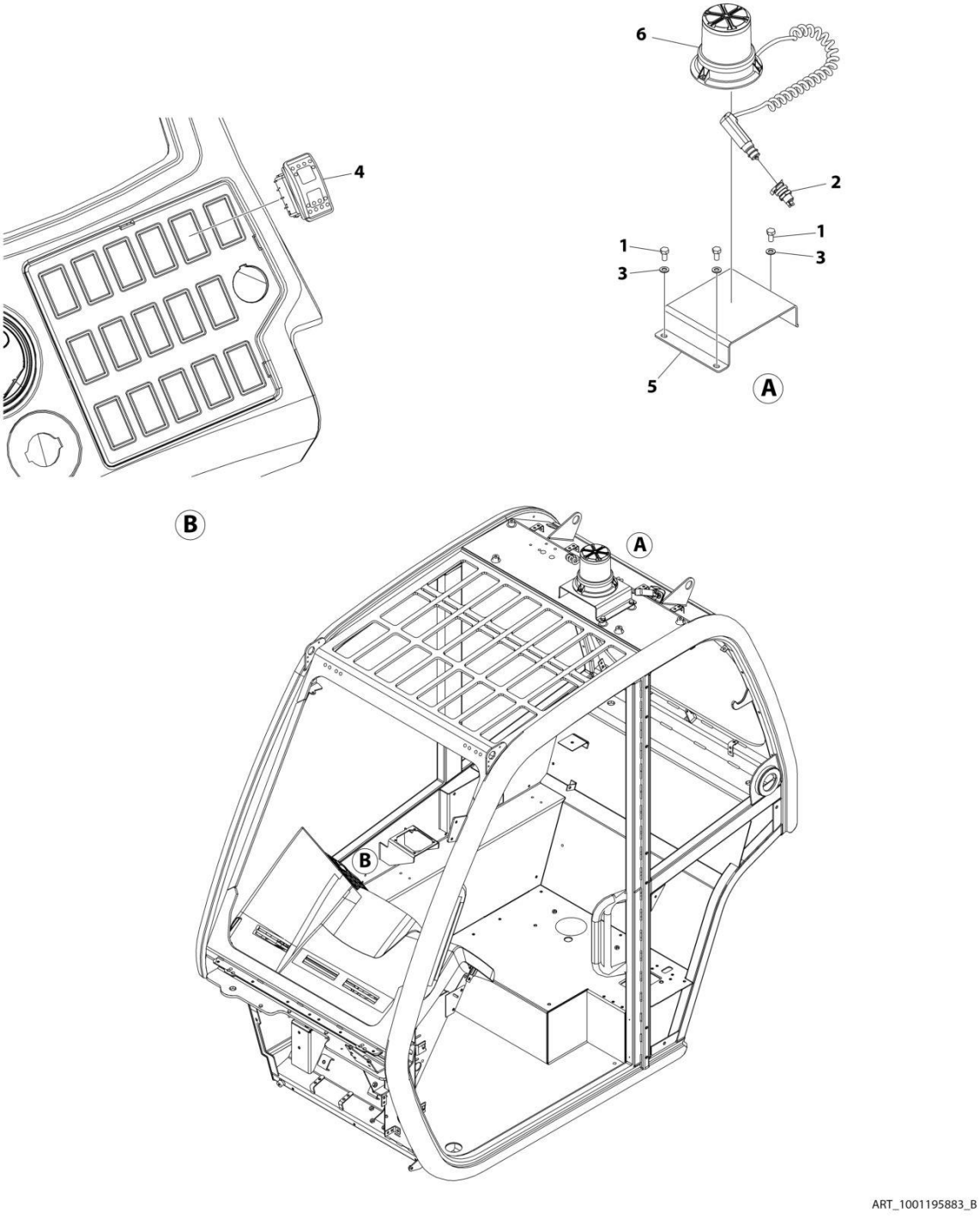


FIGURE 10-10. BEACON INSTALLATION (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195883	Ref	LIGHTS - BEACON INSTALLATION (LED)	B
1	0760808	3	Bolt M8X16	
2	4461174	1	Terminal	
3	4811900	3	Washer, M8	
4	1001159738	1	Switch, Beacon	
5	1001174796	1	Bracket	
6	1001273075	1	Light, Beacon (LED)	

FIGURE 10-11. BEACON (LED) (REMOTE BOOM CONTROL) INSTALLATION

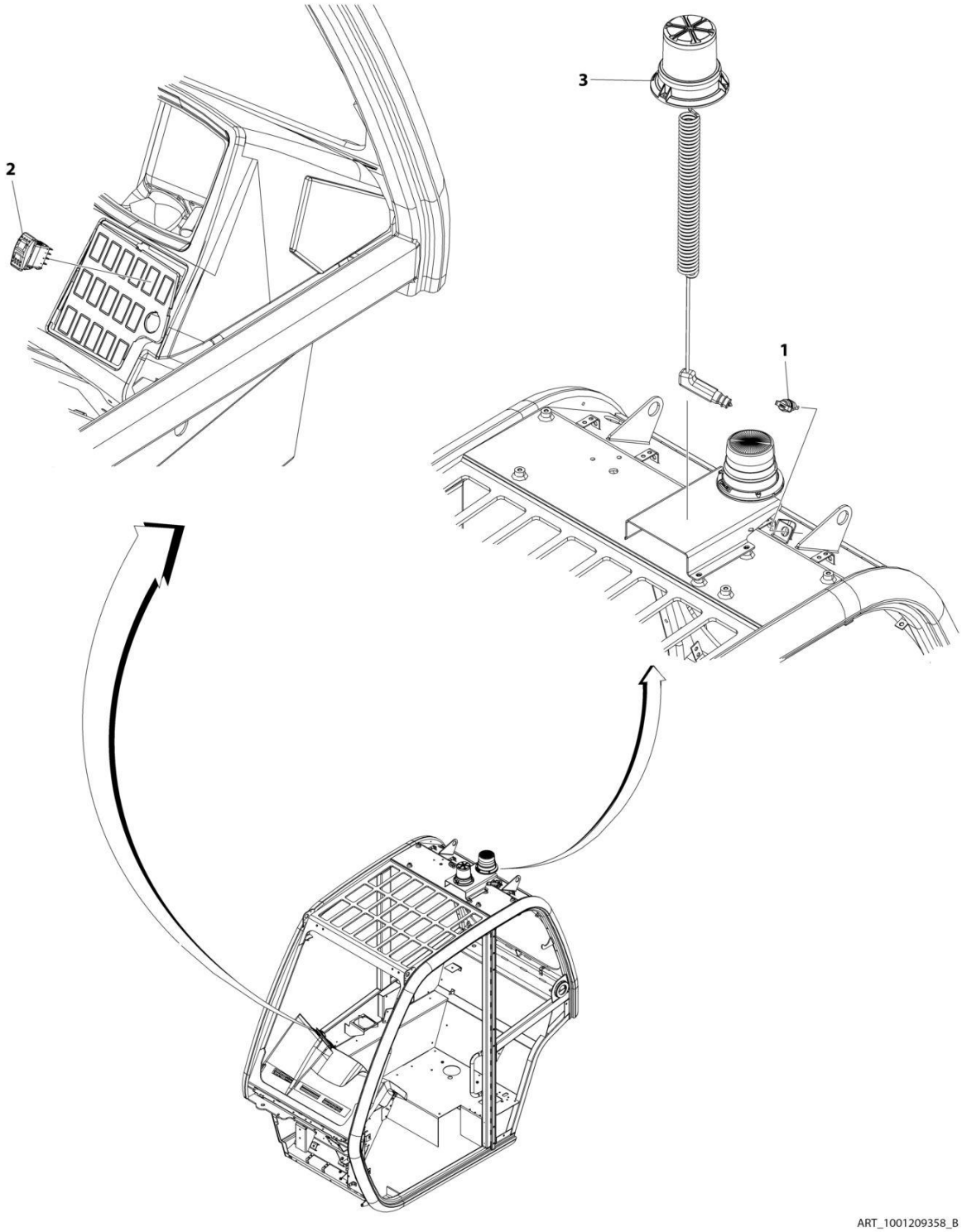


FIGURE 10-11. BEACON (LED) (REMOTE BOOM CONTROL) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209358	Ref	BEACON (LED) (REMOTE BOOM CONTROL) INSTALLATION	B
1	4461174	1	Terminal, 12 Volt	
2	1001159738	1	Switch, Beacon	
3	1001273075	1	Light, Warning	

FIGURE 10-12. BOOM TO FRAME HARNESS

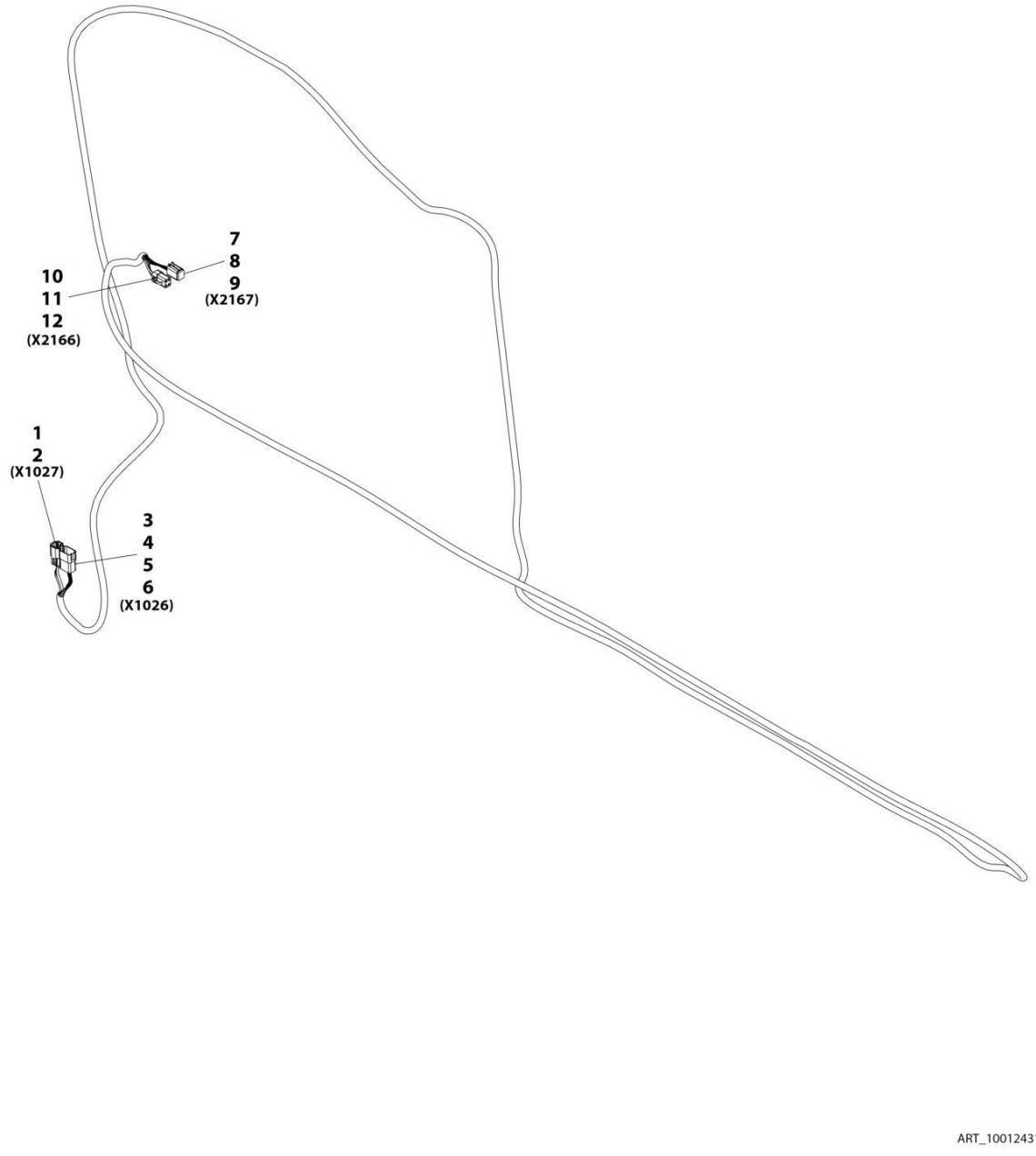


FIGURE 10-12. BOOM TO FRAME HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243196	Ref	Boom to Frame Harness	C
1	4461017	1	Connector	
2	1001150610	2	Terminal	
3	4460931	1	Connector	
4	4460943	2	Terminal	
5	4460464	4	Terminal	
6	4460466	2	Plug	
7	4460894	1	Connector	
8	4460944	2	Terminal	
9	4460465	4	Terminal	
10	1001116810	1	Connector	
11	1001150611	2	Terminal	
12	4460466	2	Plug	

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

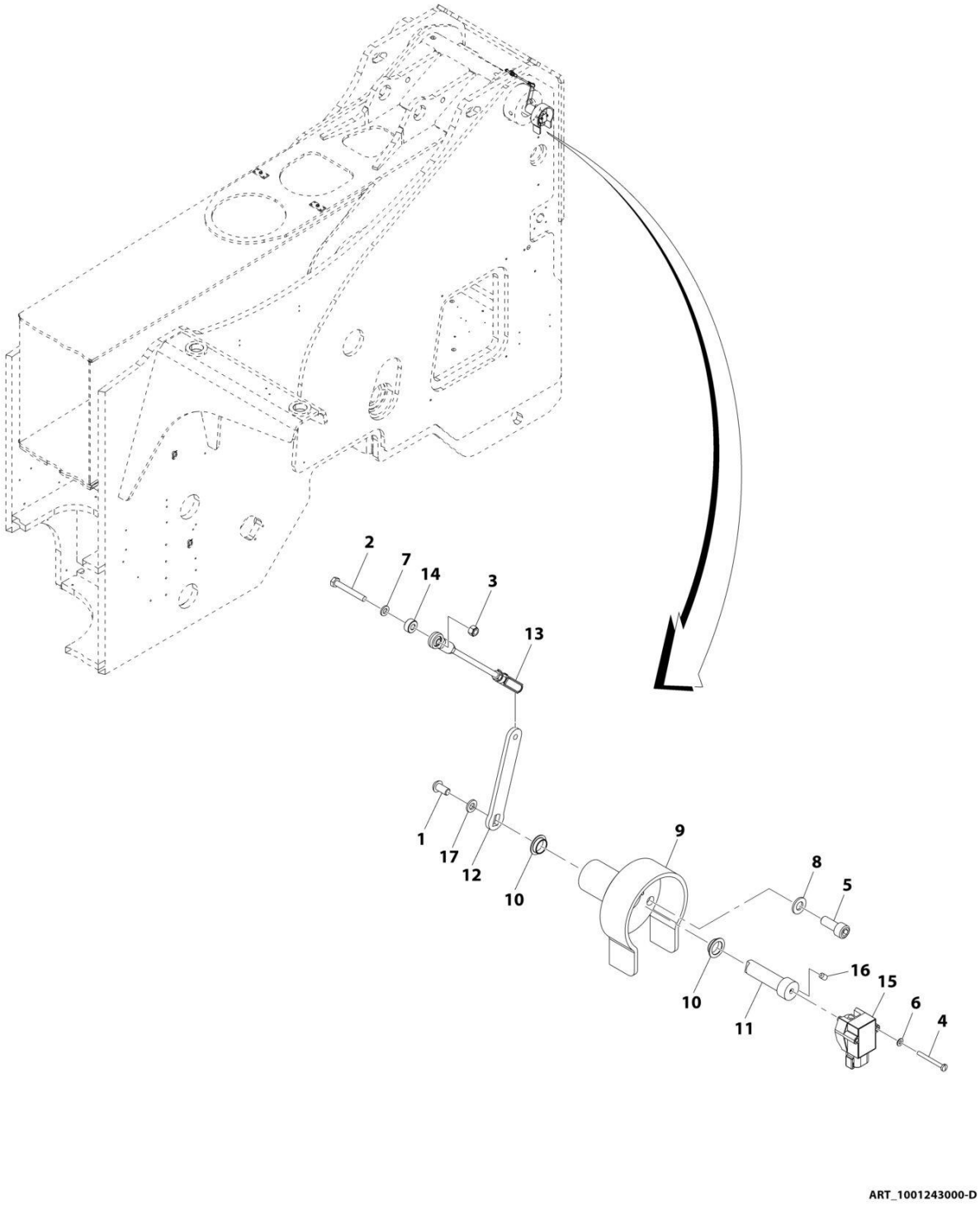


FIGURE 10-13. BOOM ANGLE SENSOR INSTALLATION (STD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243000	Ref	Boom Angle Sensor Installation (STD)	D
1	0630615	1	Bolt M8X16	
2	0700617	1	Bolt M6X45	
3	3290605	1	Nut M6	
4	4010416	2	Screw M4X40	
5	4032009	3	Bolt M10X25	
6	4811400	2	Washer M4	
7	4811700	1	Washer M6	
8	4812000	3	Washer M10	
9	1001246985	1	Housing, Angle Sensor Mount	
10	1001246988	2	Bearing	
11	1001246989	1	Shaft	
12	1001246990	1	Link	
13	1001246991	1	Arm	
14	1001246994	1	Sleeve	
15	1001247458	1	Sensor, Boom Angle	
16	1001254643	1	Screw M6X10	
17	4811900	1	Washer, M8	

FIGURE 10-14. BOOM DAMPING INSTALLATION

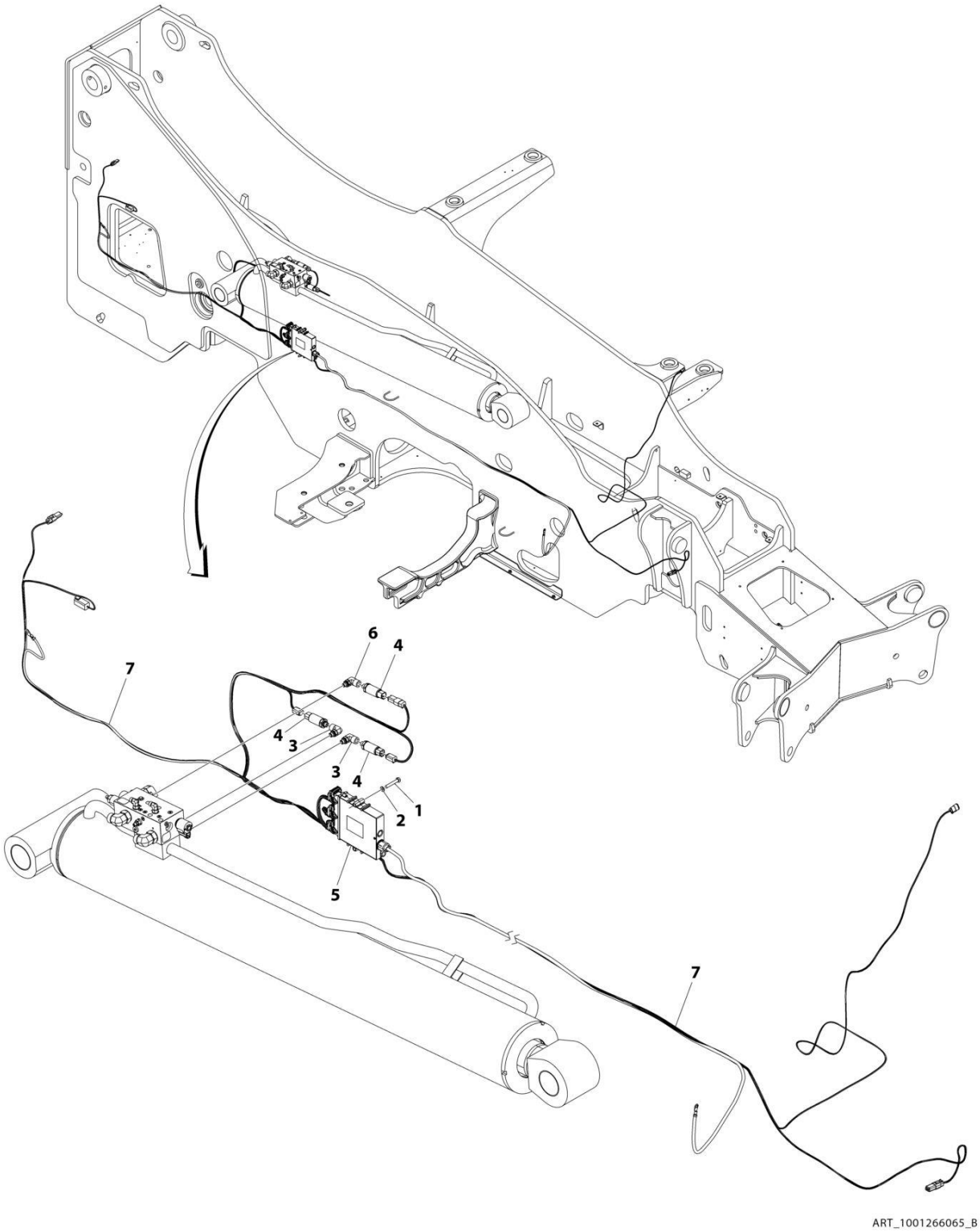


FIGURE 10-14. BOOM DAMPING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266065	Ref	BOOM DAMPING INSTALLATION	B
1	0700818	2	Bolt M8 x 50	
2	4811900	2	Washe M8	
3	1001101855	2	Fitting, 90	
4	1001162885	3	Sensor, LMIS Pressure	
5	1001270485	1	Controller, LMIS Module	
6	1001184172	1	Fitting, 90	
7	1001201599	1	Harness, LMIS Chassis Option (See Separate Breakdown in this Section)	

FIGURE 10-15. BOOM HARNESS

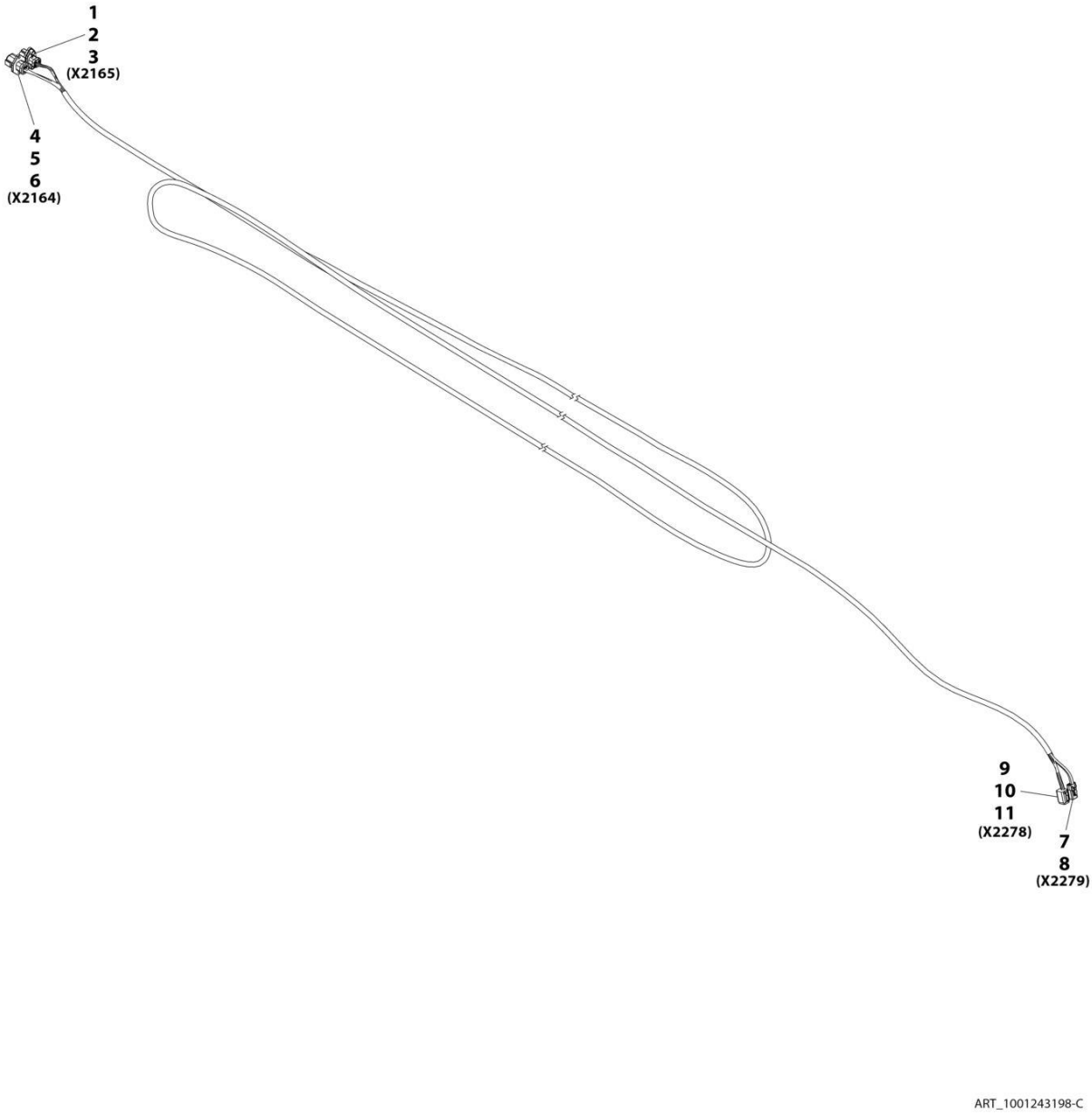


FIGURE 10-15. BOOM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243198	Ref	Boom Harness	C
1	1001243199	1	Connector	
2	4460943	2	Terminal	
3	4460464	4	Terminal	
4	1001200553	1	Connector	
5	1001150610	2	Terminal	
6	4460466	2	Plug	
7	4461018	1	Connector	
8	1001150611	2	Terminal	
9	4460894	1	Connector	
10	4460944	2	Terminal	
11	4460465	4	Terminal	

FIGURE 10-16. BOOM RETRACT SENSOR INSTALLATION

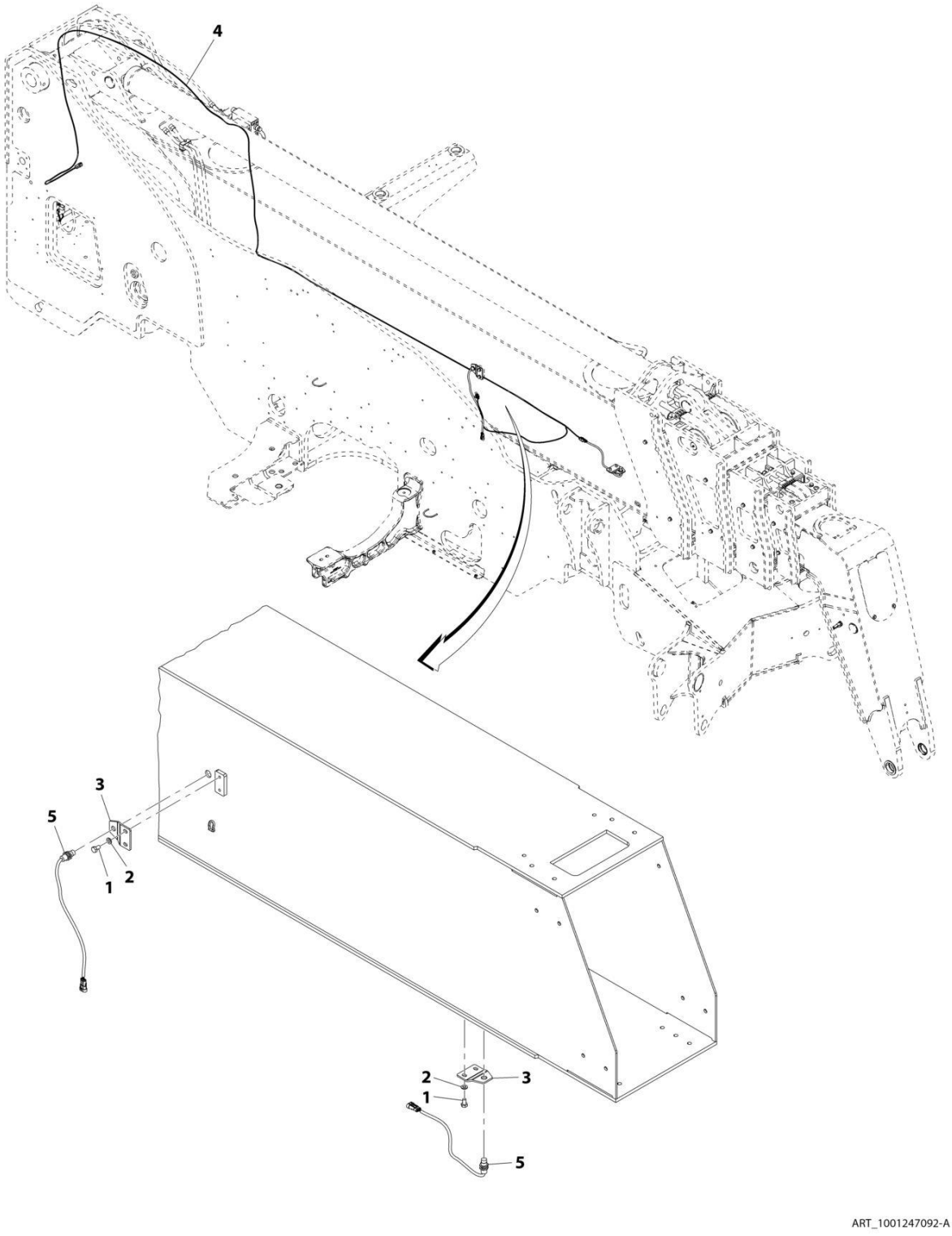


FIGURE 10-16. BOOM RETRACT SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247092	Ref	Boom Retract Sensor Installation	A
1	0761009	4	Bolt	
2	4812000	4	Washer, M10	
3	1001210567	2	Bracket	
4	1001247044	1	Soft Stop Harness (See Separate Breakdown in this Section)	
5	1001183024	2	Sensor, Proximity	

FIGURE 10-17. BOOM RETRACT SOFT STOP HARNESS

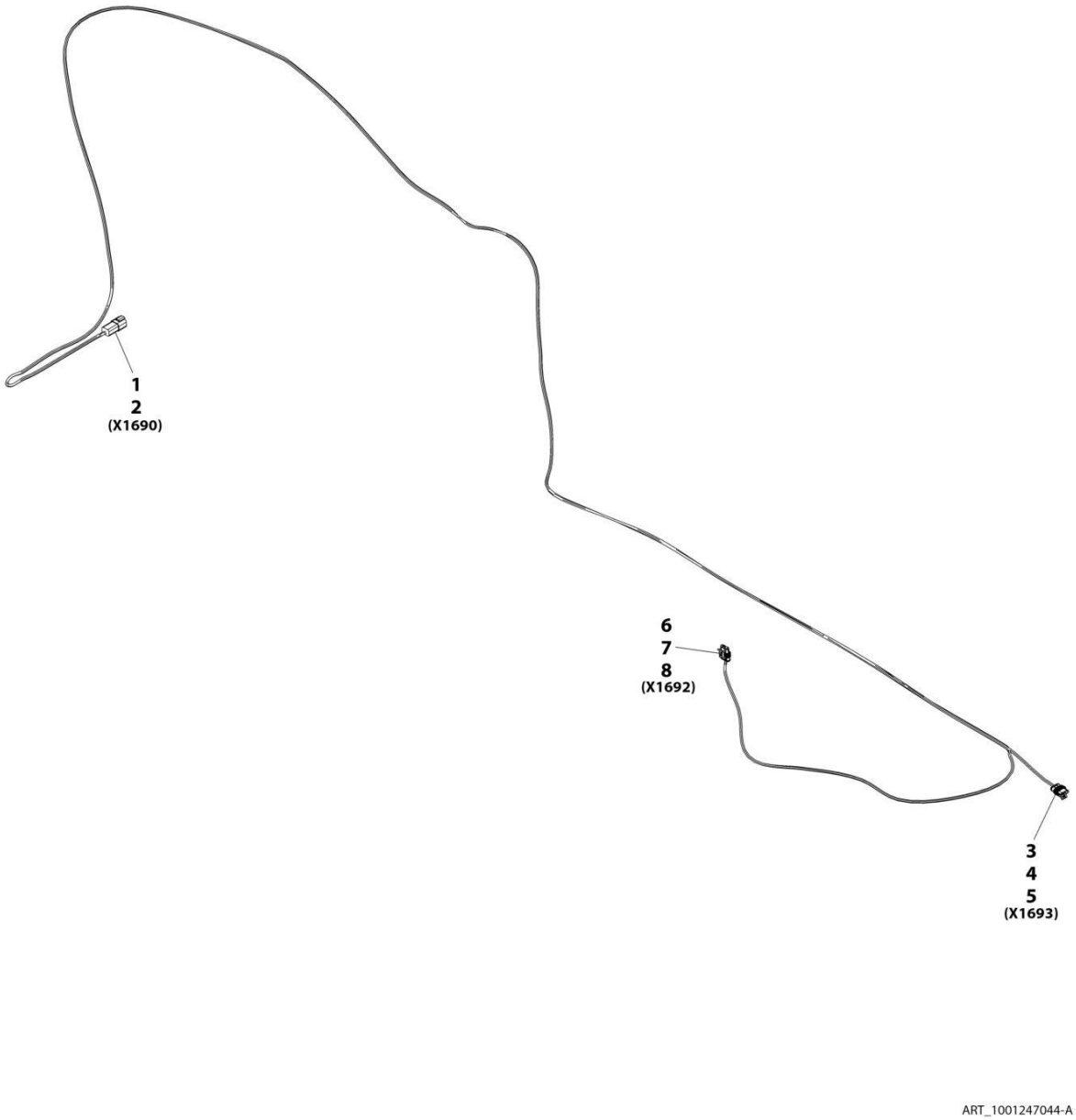


FIGURE 10-17. BOOM RETRACT SOFT STOP HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247044	Ref	Boom Retract Soft Stop Harness	A
1	4460932	1	Connector	
2	4460464	4	Terminal	
3	4461262	1	Connector	
4	1001107854	3	Terminal	
5	1001104498	3	Terminal Seal	
6	4461262	1	Connector	
7	1001107854	3	Terminal	
8	1001104498	3	Terminal Seal	

FIGURE 10-18. BOOM RIDE/FLOAT HARNESS

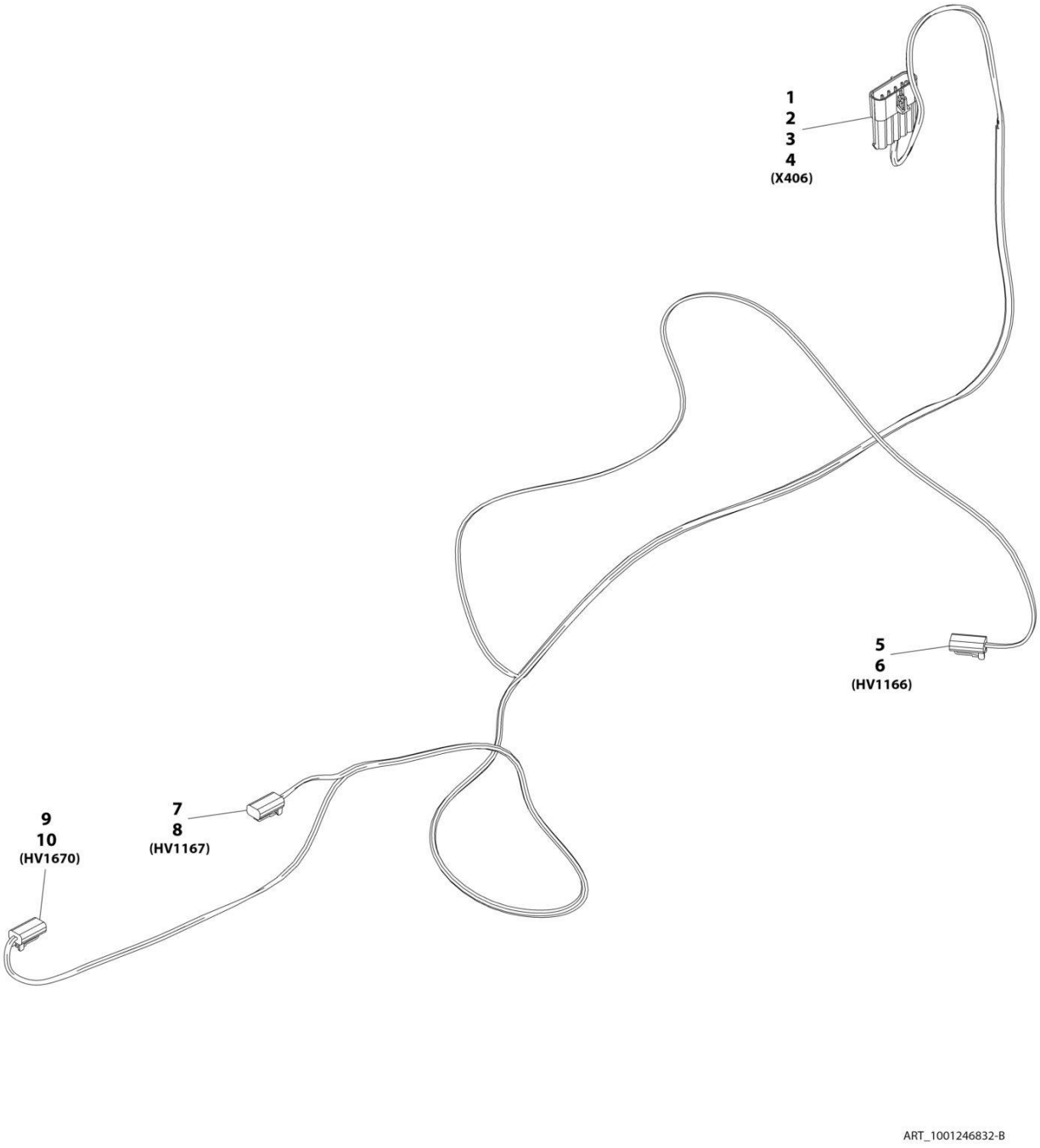


FIGURE 10-18. BOOM RIDE/FLOAT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246832	Ref	Boom Ride/Float Harness	B
1	1001121727	1	Connector	
2	1001116745	4	Terminal	
3	1001116727	1	Plug	
4	4460458	4	Terminal Seal	
5	4460891	1	Connector	
6	4460465	2	Terminal	
7	4460891	1	Connector	
8	4460465	2	Terminal	
9	4460891	1	Connector	
10	4460465	2	Terminal	

FIGURE 10-19. CAB ELECTRICAL INSTALLATION

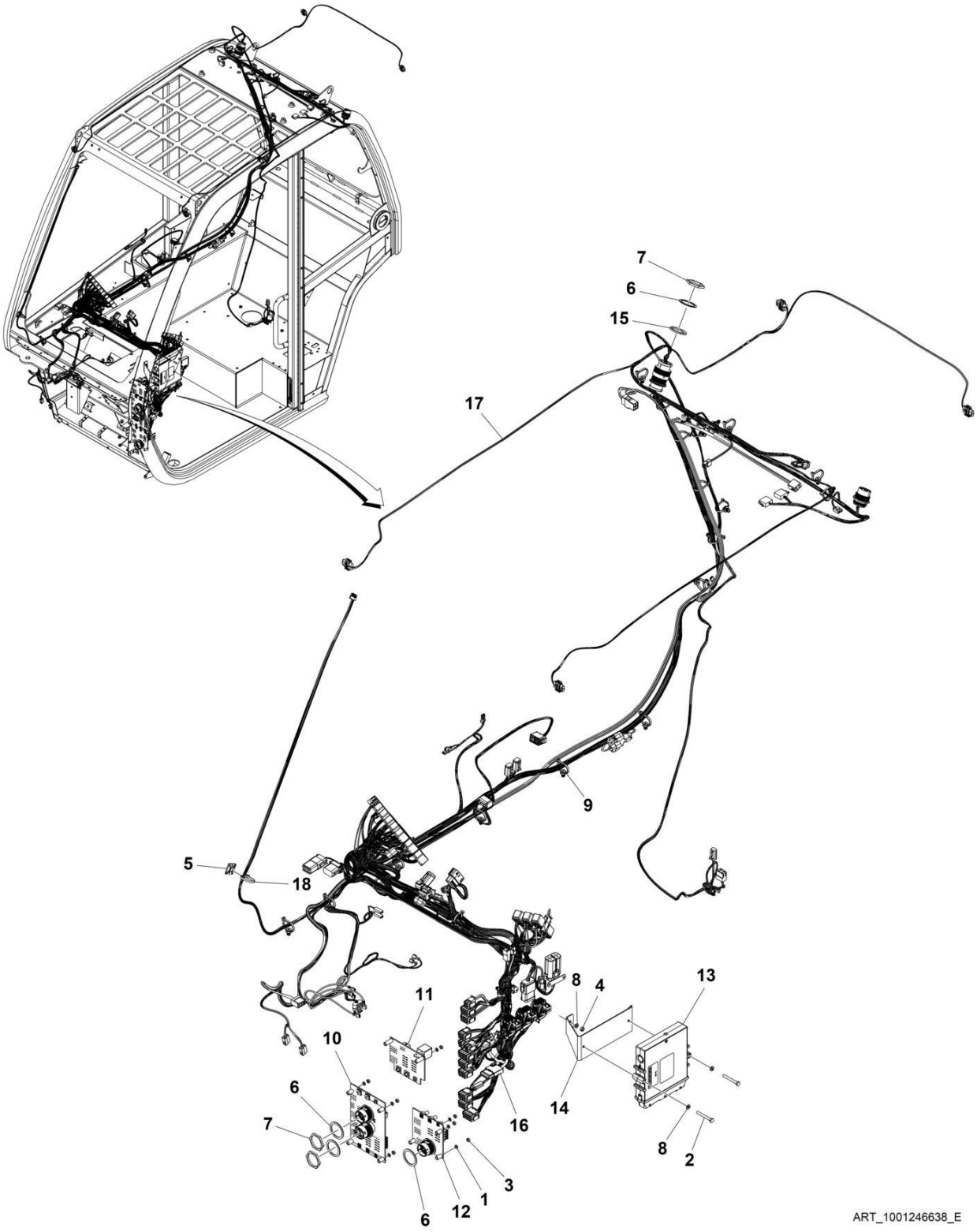
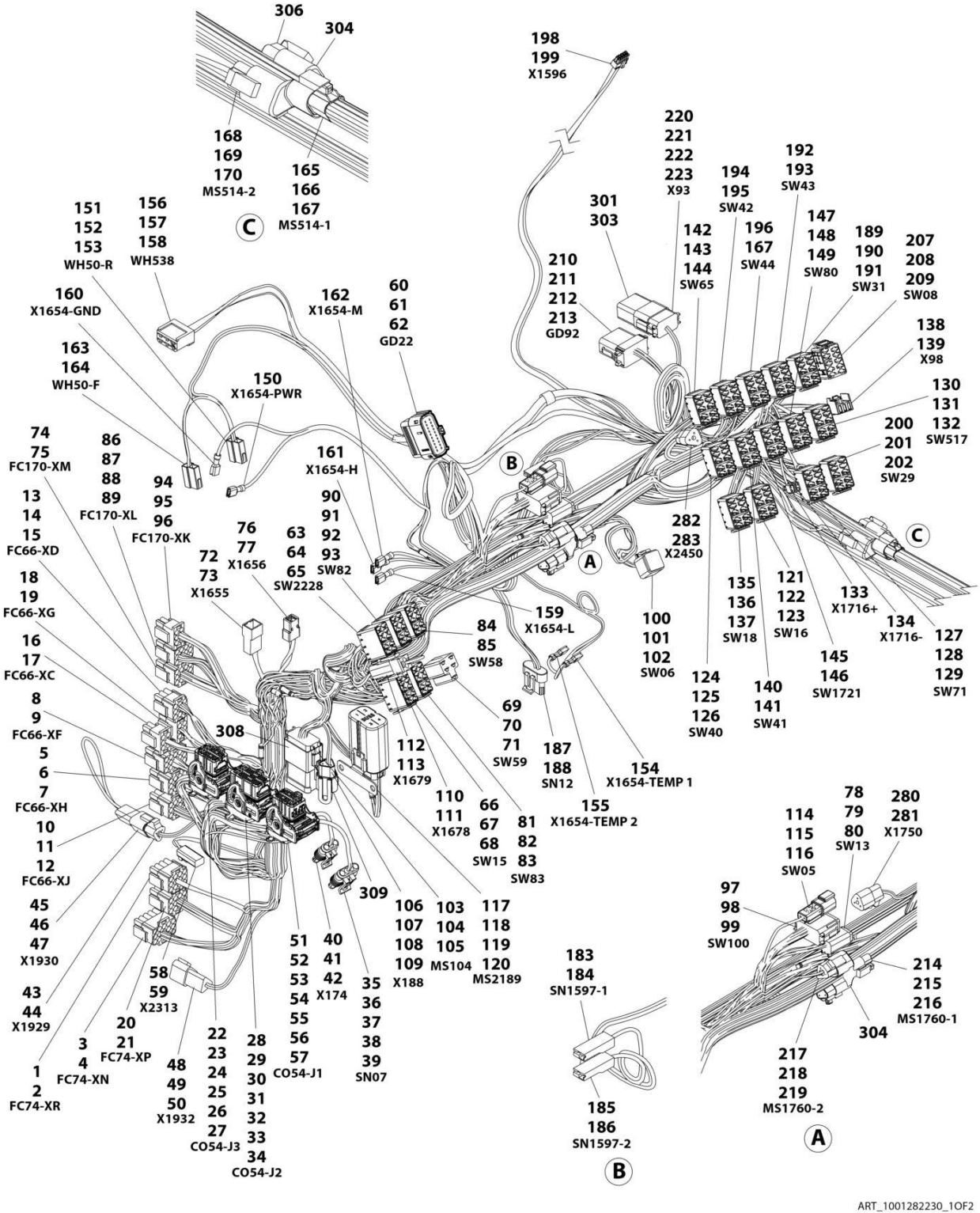


FIGURE 10-19. CAB ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246638	Ref	CAB ELECTRICAL INSTALLATION	E
1	120034	7	Washer, Plastic	
2	0700618	2	Bolt M6X50	
3	3290501	7	Nut M5	
4	3290601	2	Nut M6	
5	4460234	1	Mount, Tie-Strap	
6	4460496	5	Washer, Terminal Lock	
7	4460497	5	Nut, Terminal	
8	4811700	4	Washer M6	
9	1001146588	24	Tie-Strap	
10	1001161769	1	Standard Electrical Board Assembly (See Separate Breakdown in this Section)	
11	1001161770	1	Option 1 Electrical Board Assembly (See Separate Breakdown in this Section)	
12	1001161771	1	Option 2 Electrical Board Assembly (See Separate Breakdown in this Section)	
13	1001270466	1	Module, Cab	
14	1001178933	1	Bracket	
15	1001211693	2	Seal	
16	1001213988	1	Cable, Communication Analyzer	
17	1001282230	1	Cab Harness (See Separate Breakdown in this Section)	
18	1001008559	1	Tie-Strap	

FIGURE 10-20. CAB HARNESS



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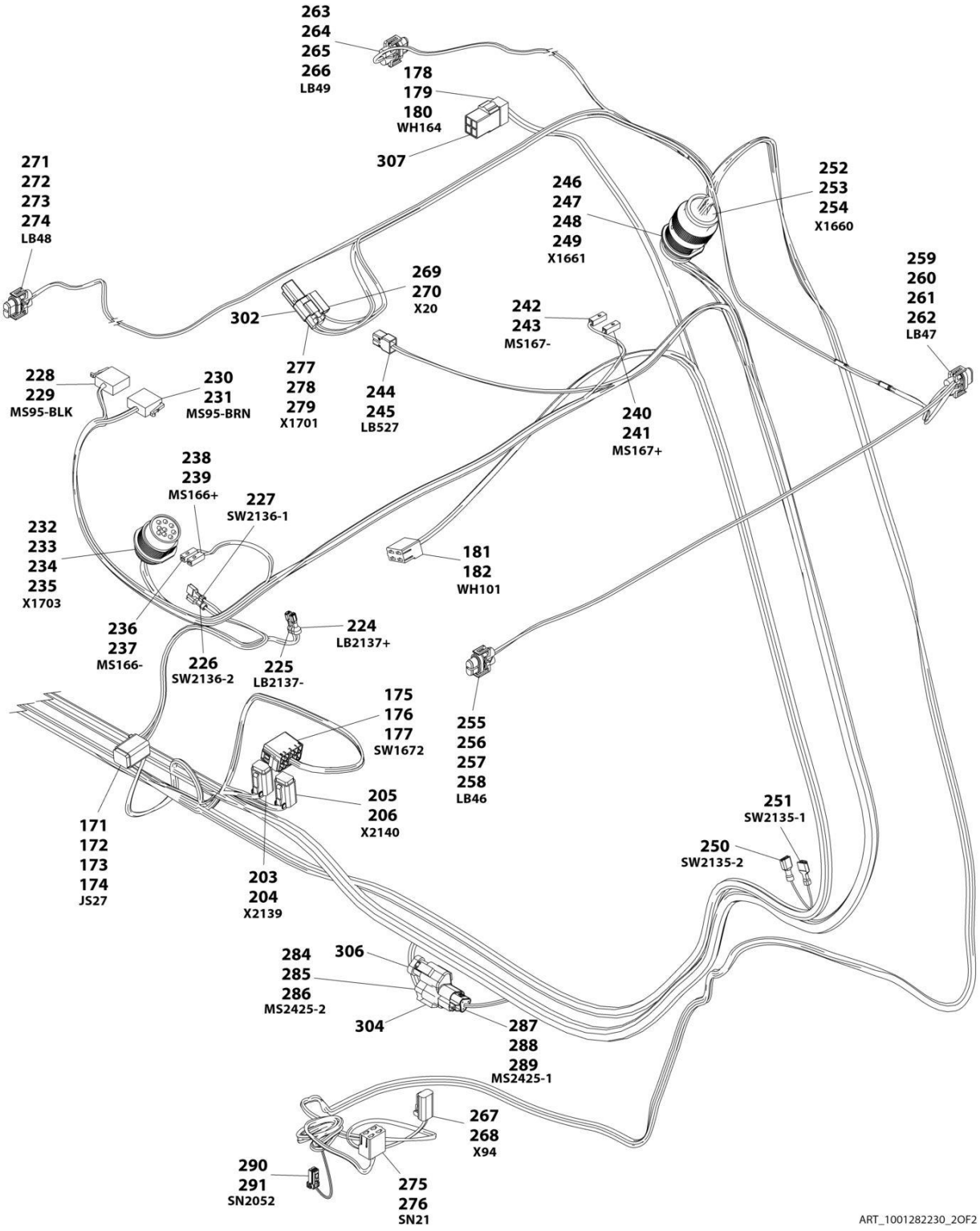

263
264
265
266
LB49
178
179
180
WH164
307
271
272
273
274
LB48
246
247
248
249
X1661
252
253
254
X1660
259
260
261
262
LB47
269
270
X20
302
242
243
MS167-
277
278
279
X1701
244
245
LB527
228
229
MS95-BLK
230
231
MS95-BRN
240
241
MS167+
238
239
MS166+
227
SW2136-1
232
233
234
235
X1703
181
182
WH101
236
237
MS166-
226
SW2136-2
224
LB2137+
225
LB2137-
175
176
177
SW1672
255
256
257
258
LB46
205
206
X2140
171
172
173
174
JS27
203
204
X2139
251
SW2135-1
250
SW2135-2
284
285
286
MS2425-2
306
304
287
288
289
MS2425-1
267
268
X94
290
291
SN2052
275
276
SN21
ART_1001282230_2OF2

FIGURE 10-20. CAB HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282230	Ref	CAB HARNESS	A
1	4460343	1	Connector	
2	4460267	5	Terminal	
3	4460434	1	Connector	
4	4460268	14	Terminal	
5	4460343	1	Connector	
6	4460268	8	Terminal	
7	10011223457	1	Terminal	
8	4460434	1	Connector	
9	4460268	15	Terminal	
10	4460343	1	Connector	
11	4460267	9	Terminal	
12	1001223456	1	Terminal	
13	4460265	1	Connector	
14	1001223457	3	Terminal	
15	4460268	6	Terminal	
16	4460225	1	Connector	
17	4460267	7	Terminal	
18	4460225	1	Connector	
19	4460268	5	Terminal	
20	4460343	1	Connector	
21	4460268	11	Terminal	
22	1001161959	1	Connector	
23	643191201	1	Cover	
24	1001161100	9	Plug	
25	1001161097	15	Terminal	
26	1001161098	1	Terminal	
27	1001161101	7	Plug	
28	1001160502	1	Connector	
29	643201301	1	Cover	
30	1001161097	22	Terminal	
31	1001161100	18	Plug	
32	1001161098	5	Terminal	
33	1001161099	1	Terminal	
34	1001161101	2	Plug	
35	1001103012	1	Connector	
36	1001116698	2	Plug	
37	1001116697	1	Terminal	
38	1001237212	1	Terminal	
39	1001104498	2	Terminal Seal	
40	4461262	1	Connector	
41	1001237212	3	Terminal	
42	1001104498	3	Terminal Seal	
43	4460539	1	Connector	
44	4460465	3	Terminal	
45	4460536	1	Connector	
46	4460464	2	Terminal	
47	4460466	1	Plug	
48	4460536	1	Connector	
49	4460464	2	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460466	1	Plug	
51	1001160498	1	Connector	
52	643191201	1	Cover	
53	1001161097	23	Terminal	
54	1001161100	1	Plug	
55	1001161098	6	Terminal	
56	1001161099	1	Terminal	
57	1001161101	1	Plug	
58	4461290	1	Connector	
59	1001126008	2	Terminal	
60	1001162886	1	Connector	
61	1001163340	13	Plug	
62	1001162887	7	Terminal	
63	1001117081	1	Connector	
64	1001223455	2	Terminal	
65	1001118384	4	Terminal	
66	1001117081	1	Connector	
67	1001118384	6	Terminal	
68	1001223455	1	Terminal	
69	1001173411	1	Connector	
70	1001116716	3	Terminal	
71	1001104519	3	Terminal	
72	1001116999	1	Connector	
73	1001116700	4	Terminal	
74	4460343	1	Connector	
75	4460267	7	Terminal	
76	1001116991	1	Connector	
77	1001116723	2	Terminal	
78	4460933	1	Connector	
79	4460465	7	Terminal	
80	4460466	5	Plug	
81	1001117081	1	Connector	
82	1001118384	6	Terminal	
83	1001223455	1	Terminal	
84	1001117081	1	Connector	
85	1001118384	6	Terminal	
86	4460343	1	Connector	
87	4460268	8	Terminal	
88	4460906	1	Terminal	
89	1001223457	1	Terminal	
90	1001117081	1	Connector	
91	1001116723	2	Terminal	
92	1001223455	1	Terminal	
93	1001118384	4	Terminal	
94	4460225	1	Connector	
95	4460267	5	Terminal	
96	4460705	1	Terminal	
97	4460836	1	Connector	
98	4460942	4	Terminal	
99	4460465	8	Terminal	
100	4460894	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460465	4	Terminal	
102	4460466	2	Plug	
103	4460933	1	Connector	
104	1001125677	1	Mating Connector	
105	4460465	12	Terminal	
106	1001116812	1	Connector	
107	1001144296	1	Cap	
108	4460944	2	Terminal	
109	4460466	1	Plug	
110	4460320	1	Connector	
111	4460267	2	Terminal	
112	4460424	1	Connector	
113	4460268	2	Terminal	
114	4460897	1	Connector	
115	4460464	1	Terminal	
116	4460466	1	Plug	
117	1001184551	1	Connector	
118	1001177597	1	Diode, 6amp	
119	4460746	8	Terminal	
120	4460458	8	Seal	
121	1001117081	1	Connector	
122	1001118384	6	Terminal	
123	1001223455	1	Terminal	
124	1001117081	1	Connector	
125	1001118384	8	Terminal	
126	1001116723	2	Terminal	
127	1001117081	1	Connector	
128	1001118384	8	Terminal	
129	1001223455	2	Terminal	
130	1001117081	1	Connector	
131	1001118384	6	Terminal	
132	1001223455	1	Terminal	
133	1001194421	1	Terminal	
134	1001194421	1	Terminal	
135	1001117081	1	Connector	
136	1001223455	3	Terminal	
137	1001118384	8	Terminal	
138	1001118684	1	Connector	
139	1001116754	2	Terminal	
140	1001117081	1	Connector	
141	1001118384	7	Terminal	
142	1001117081	1	Connector	
143	1001118384	6	Terminal	
144	1001223455	1	Terminal	
145	1001117081	1	Connector	
146	1001118384	7	Terminal	
147	1001117081	1	Connector	
148	1001118384	6	Terminal	
149	1001223455	1	Terminal	
150	8220051	1	Terminal	
151	4460994	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
152	1001118384	1	Terminal	
153	1001116723	2	Terminal	
154	1001194421	1	Terminal	
155	1001194421	1	Terminal	
156	1001116997	1	Connector	
157	1001118384	4	Terminal	
158	1001116723	1	Terminal	
159	8220051	1	Terminal	
160	8220051	1	Terminal	
161	8220051	1	Terminal	
162	8220051	1	Terminal	
163	4460994	1	Terminal	
164	1001118384	2	Terminal	
165	1001116812	1	Connector	
166	4460944	2	Terminal	
167	4460466	1	Plug	
168	4460539	1	Connector	
169	4460944	2	Terminal	
170	4460466	1	Plug	
171	4460894	1	Connector	
172	4460465	3	Terminal	
173	4460466	1	Plug	
174	4460944	2	Terminal	
175	1001117081	1	Connector	
176	1001223455	4	Terminal	
177	1001118384	2	Terminal	
178	1001116986	1	Connector	
179	1001117011	1	Mating Connector	
180	1001118384	4	Terminal	
181	1001116986	1	Connector	
182	1001118384	4	Terminal	
183	1001116995	1	Connector	
184	1001118379	1	Terminal	
185	1001116995	1	Connector	
186	1001118379	1	Terminal	
187	1001230931	1	Connector	
188	1001116748	6	Terminal	
189	1001117081	1	Connector	
190	1001118384	7	Terminal	
191	1001223455	1	Terminal	
192	1001117081	1	Connector	
193	1001118384	6	Terminal	
194	1001117081	1	Connector	
195	1001118384	6	Terminal	
196	1001117081	1	Connector	
197	1001118384	6	Terminal	
198	1001150735	1	Connector	
199	1001150737	7	Terminal	
200	1001117081	1	Connector	
201	1001118384	7	Terminal	
202	1001223455	2	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
203	4460884	1	Connector	
204	4460465	4	Terminal	
205	4460884	1	Connector	
206	4460465	4	Terminal	
207	1001117079	1	Connector	
208	1001118384	4	Terminal	
209	1001223455	3	Terminal	
210	1001176333	1	Connector	
211	4460466	11	Terminal	
212	4460465	3	Terminal	
213	4460944	4	Terminal	
214	1001116812	1	Connector	
215	4460944	2	Terminal	
216	4460466	1	Plug	
217	4460539	1	Connector	
218	4460944	2	Terminal	
219	4460466	1	Plug	
220	4460930	1	Connector	
221	4460931	1	Mating Connector	
222	4460466	6	Plug	
223	4460465	2	Terminal	
224	1001201885	1	Connector	
225	1001201885	1	Connector	
226	1001194421	1	Terminal	
227	1001194421	1	Terminal	
228	1001116985	1	Connector	
229	1001118386	3	Terminal	
230	1001116984	1	Connector	
231	1001118386	4	Terminal	
232	1001112612	1	Connector	
233	4460464	4	Terminal	
234	4460943	4	Terminal	
235	4460466	1	Plug	
236	1001116998	1	Connector	
237	1001118387	1	Terminal	
238	1001116998	1	Connector	
239	1001118387	1	Terminal	
240	1001116998	1	Connector	
241	1001118387	1	Terminal	
242	1001116998	1	Connector	
243	1001118387	1	Terminal	
244	1001116991	1	Connector	
245	1001118384	2	Terminal	
246	1001137000	1	Connector	
247	4460928	2	Terminal	
248	1001126008	12	Terminal	
249	4460518	8	Plug	
250	1001194421	1	Terminal	
251	1001194421	1	Terminal	
252	1001136999	1	Connector	
253	1001126011	14	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
254	4460518	7	Plug	
255	4461115	1	Connector	
256	1001103564	1	Lock, Terminal	
257	4460746	2	Terminal	
258	4460458	2	Terminal Seal	
259	4461115	1	Connector	
260	1001103564	1	Lock, Terminal	
261	4460746	2	Terminal	
262	4460458	2	Terminal Seal	
263	4461115	1	Connector	
264	1001103564	1	Lock, Terminal	
265	4460746	2	Terminal	
266	4460458	2	Terminal Seal	
267	4460891	1	Connector	
268	4460465	2	Terminal	
269	4460944	1	Connector	
270	1001118384	2	Terminal	
271	4461115	1	Connector	
272	1001103564	1	Lock, Terminal	
273	4460746	2	Terminal	
274	4460458	2	Terminal Seal	
275	1001116986	1	Connector	
276	1001118384	5	Terminal	
277	4460891	1	Connector	
278	4460897	1	Connector	
279	4460465	2	Terminal	
280	4460539	1	Connector	
281	4460465	3	Terminal	
282	4460539	1	Connector	
283	4460465	3	Terminal	
284	4460539	1	Connector	
285	4460944	2	Terminal	
286	4460466	1	Plug	
287	1001116812	1	Connector	
288	4460944	2	Terminal	
289	4460466	1	Plug	
290	1001264844	1	Connector	
291	1001264861	2	Terminal	
301	4460466	8	Plug	
302	4460897	1	Connector	
303	4460931	1	Connector	
304	4460945	3	Terminal	
305	1001008559	3	Tie-Strap (Not Shown)	
306	1001116815	2	Connector	
307	1001117011	1	Connector	
308	1001119020	1	Connector	
309	1001144296	1	Cap	

FIGURE 10-21. CAB - STANDARD ELECTRICAL BOARD ASSEMBLY

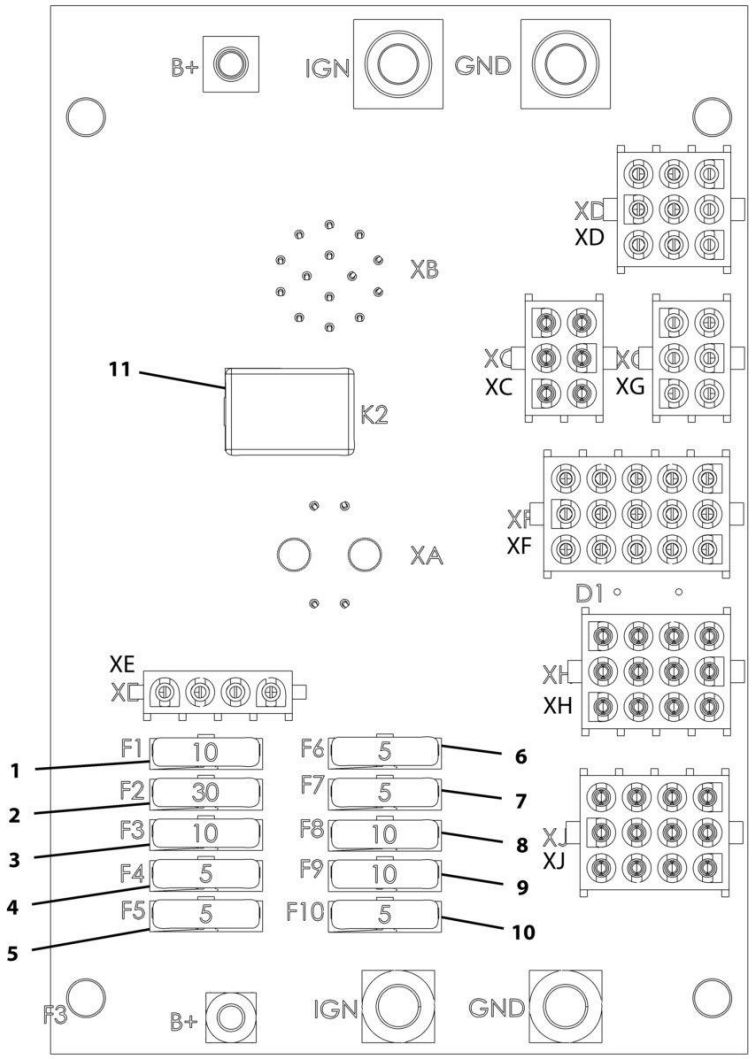


FIGURE 10-21. CAB - STANDARD ELECTRICAL BOARD ASSEMBLY

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 10-22. CAB - OPTION 1 ELECTRICAL BOARD ASSEMBLY

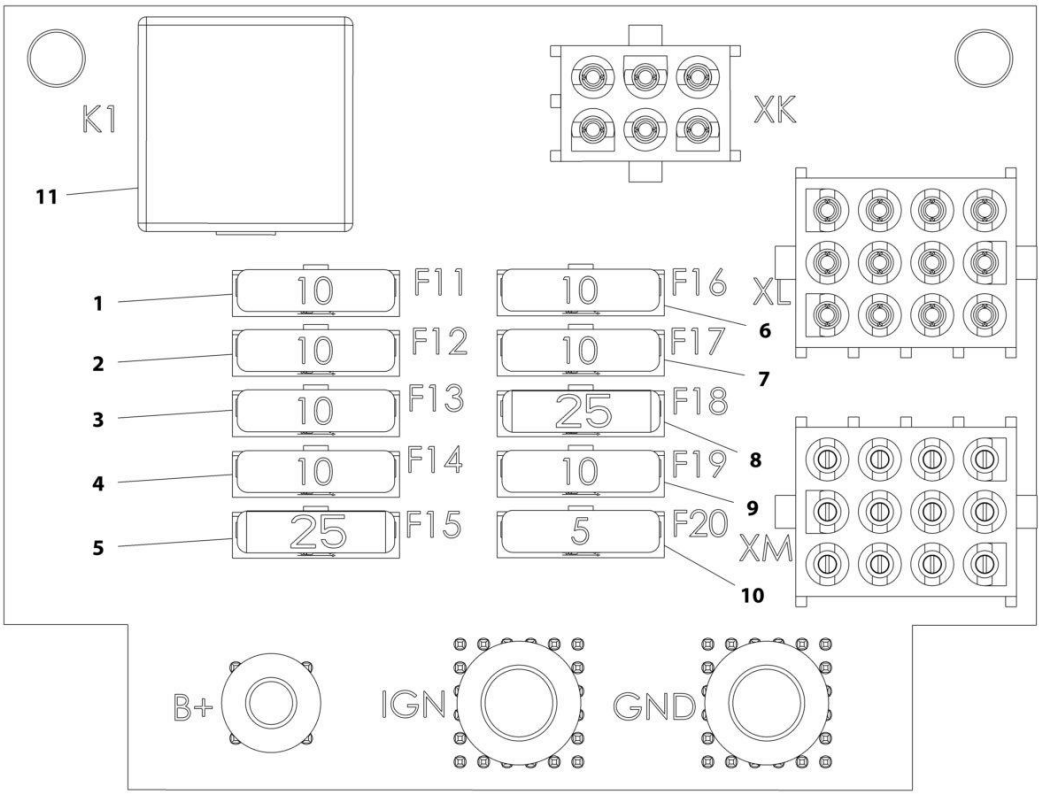
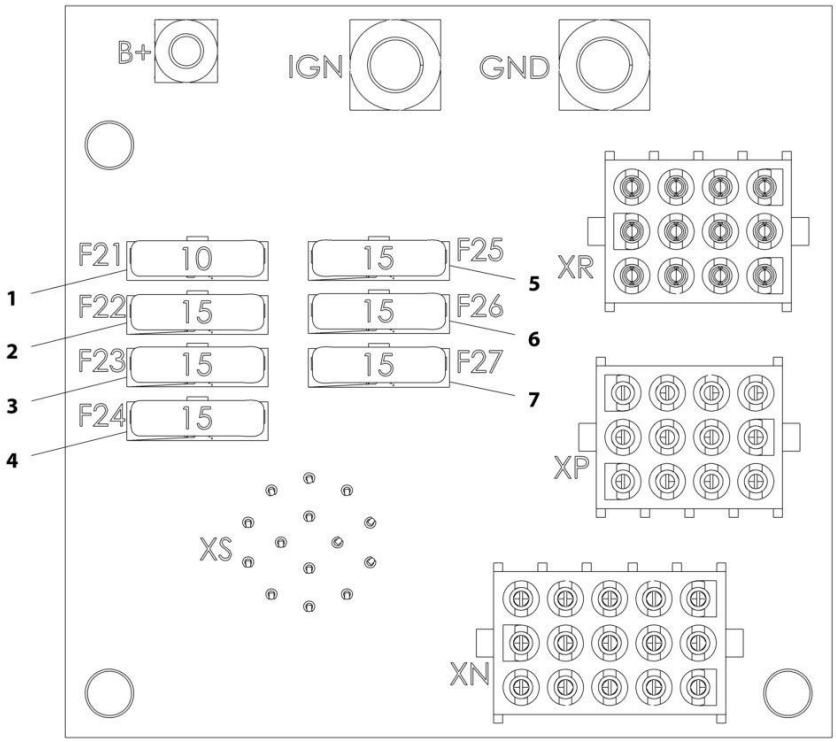


FIGURE 10-22. CAB - OPTION 1 ELECTRICAL BOARD ASSEMBLY

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 10-23. CAB - OPTION 2 ELECTRICAL BOARD ASSEMBLY



ART_1001161771-B

FIGURE 10-23. 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 10-24. CAB - A/C OPTION HARNESS

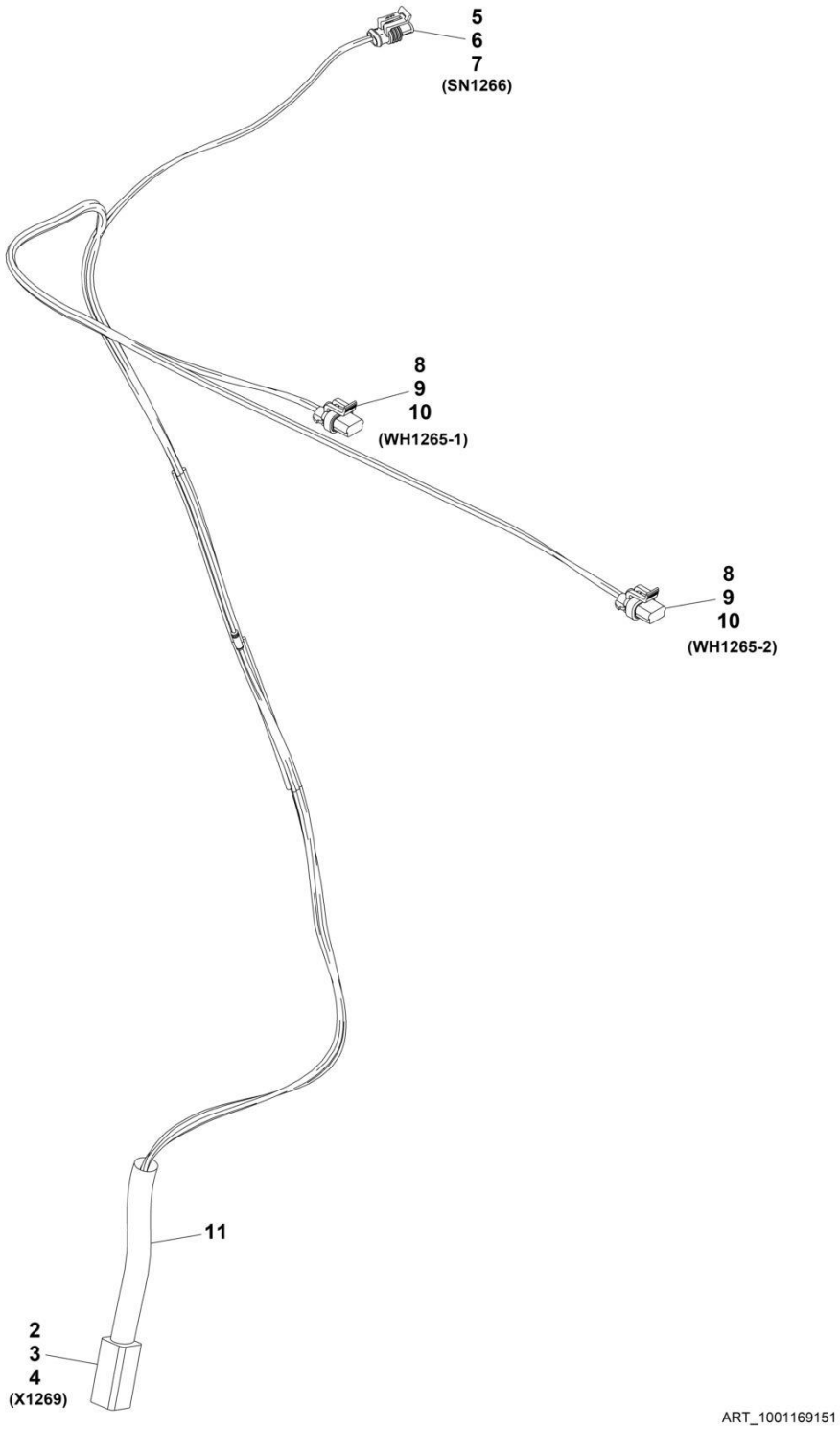


FIGURE 10-24. CAB - A/C OPTION HARNESS

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 10-25. CAB - DASH ELECTRICAL INSTALLATION

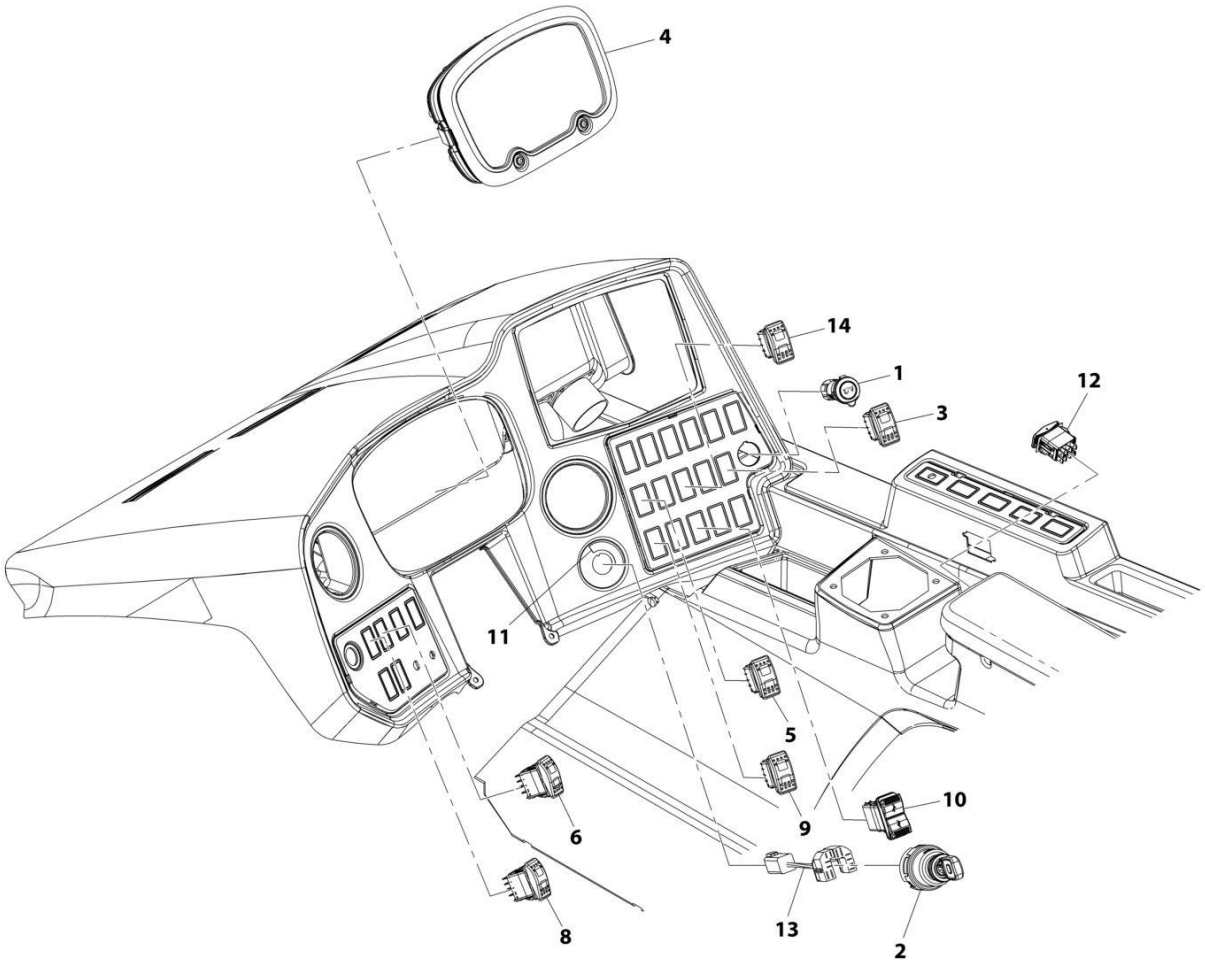


FIGURE 10-25. CAB - DASH ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249631	Ref	Dash Electrical Installation	B
1	1001095804	1	Connector, 12V Power Socket	
2	1001102502	1	Switch, 4 Position Key	
3	1001104654	1	Switch, AUX Decomp	
4	1001158146	1	Cluster, Electrical Gauge	
5	1001159735	1	Switch, Rear Wiper	
6	1001159741	1	Switch, Constant AUX	
8	1001159753	1	Switch, Park Brake	
9	1001159849	1	Switch, Steer Mode	
10	1001174712	1	Charger, USB	
11	1001181531	1	Decal, Ignition Switch	
12	1001212470	1	Switch, Frame Level	
13	1001223968	1	Ignition Switch Harness (See Separate Breakdown in this Section)	
14	1001159746	1	Switch, Auxiliary Electric	

FIGURE 10-26. CAB - IGNITION SWITCH HARNESS

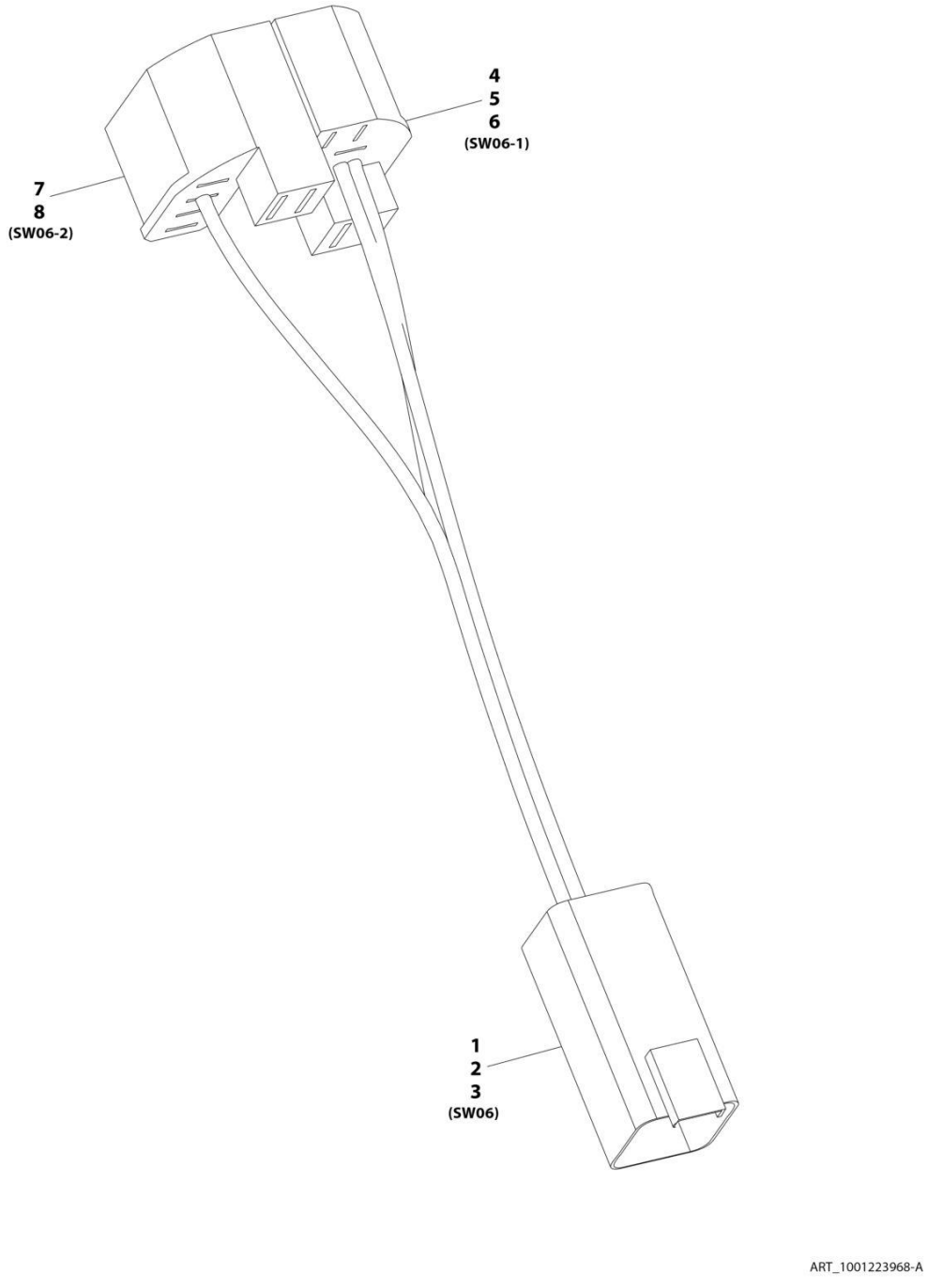


FIGURE 10-26. CAB - IGNITION SWITCH HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223968	Ref	Ignition Switch Harness	A
1	4460899	1	Connector	
2	4460464	3	Terminal	
3	4460466	3	Plug	
4	1001118685	1	Connector	
5	1001104519	1	Terminal	
6	1001118383	1	Terminal	
7	1001117121	1	Connector	
8	1001104519	1	Terminal	

FIGURE 10-27. CAB - LIGHT SWITCH INSTALLATION

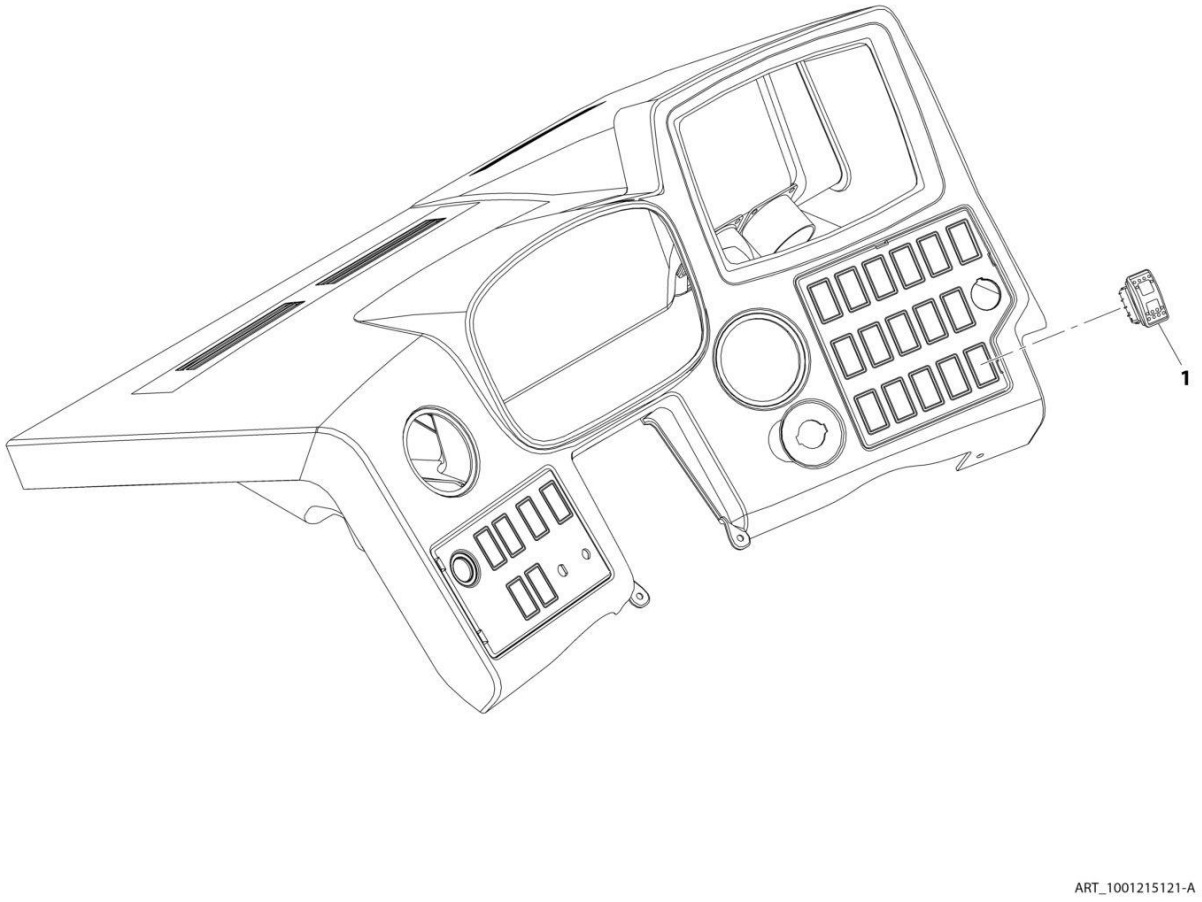


FIGURE 10-27. CAB - LIGHT SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215121	Ref	Light Switch Installation	A
1	1001163639	1	Switch, Light	

FIGURE 10-28. CAB KEY HARNESS (REMOTE CONTROL BOOM)

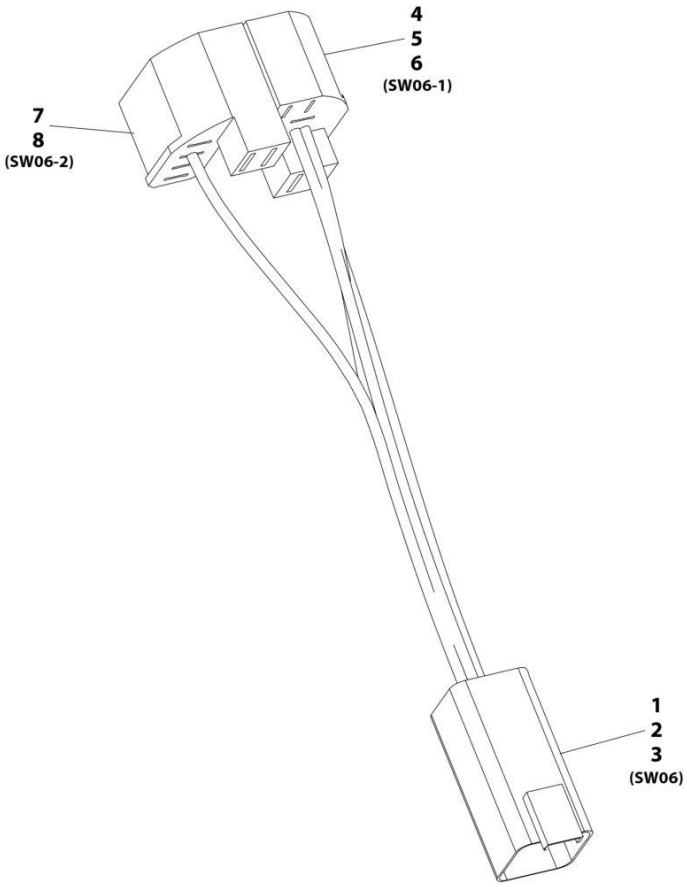


FIGURE 10-28. CAB KEY HARNESS (REMOTE CONTROL BOOM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241610	Ref	Key Harness	A
1	4460899	1	Connector	
2	4460464	4	Terminal	
3	4460466	2	Plug	
4	1001118685	1	Connector	
5	1001104519	2	Terminal	
6	1001118383	1	Terminal	
7	1001117121	1	Connector	
8	1001104519	1	Terminal	

FIGURE 10-29. CAB OPTION HARNESS

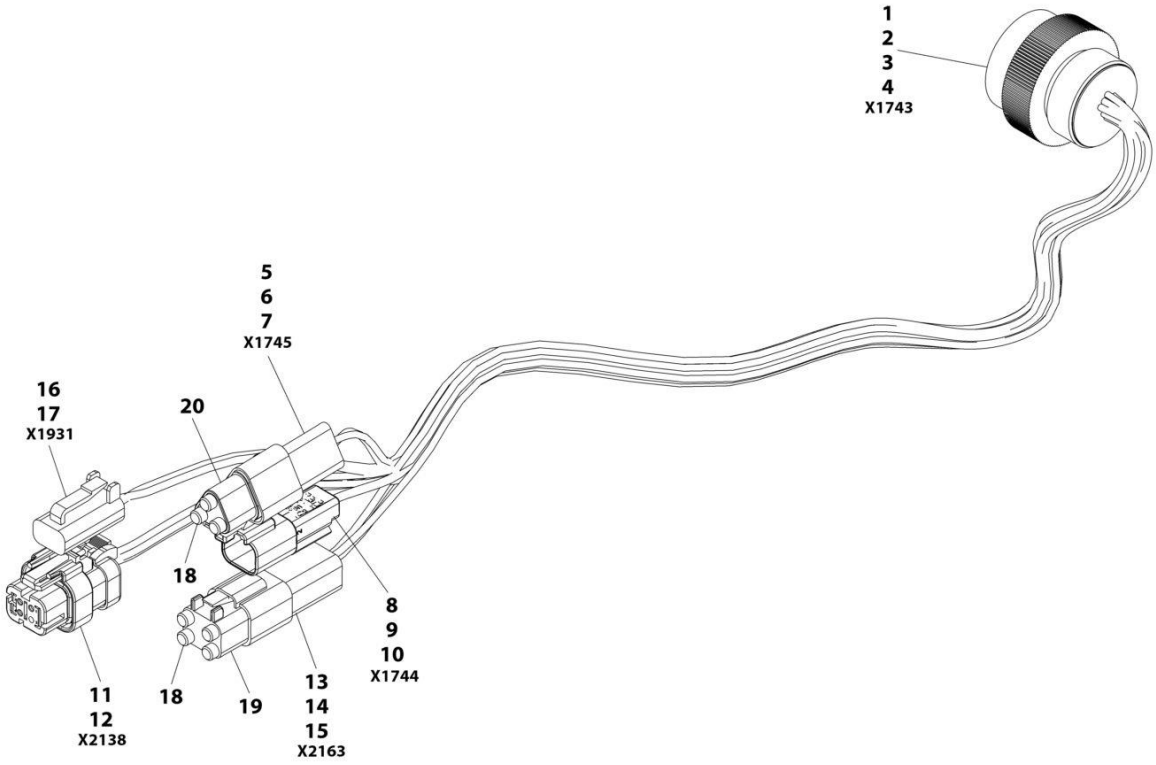


FIGURE 10-29. CAB OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243044	Ref	Cab Option Harness	D
1	4461015	1	Connector	
2	4460465	9	Terminal	
3	4460466	2	Plug	
4	4460942	1	Terminal	
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	1001130962	1	Connector	
12	4460465	4	Terminal	
13	4460932	1	Connector	
14	4460464	3	Terminal	
15	4460466	1	Plug	
16	4460891	1	Connector	
17	4460465	2	Terminal	
18	4460466	4	Plug	
19	4460884	1	Plug	
20	1001116815	1	Plug - 3 Position	

FIGURE 10-30. CAB - OUTRIGGER SWITCHES INSTALLATION

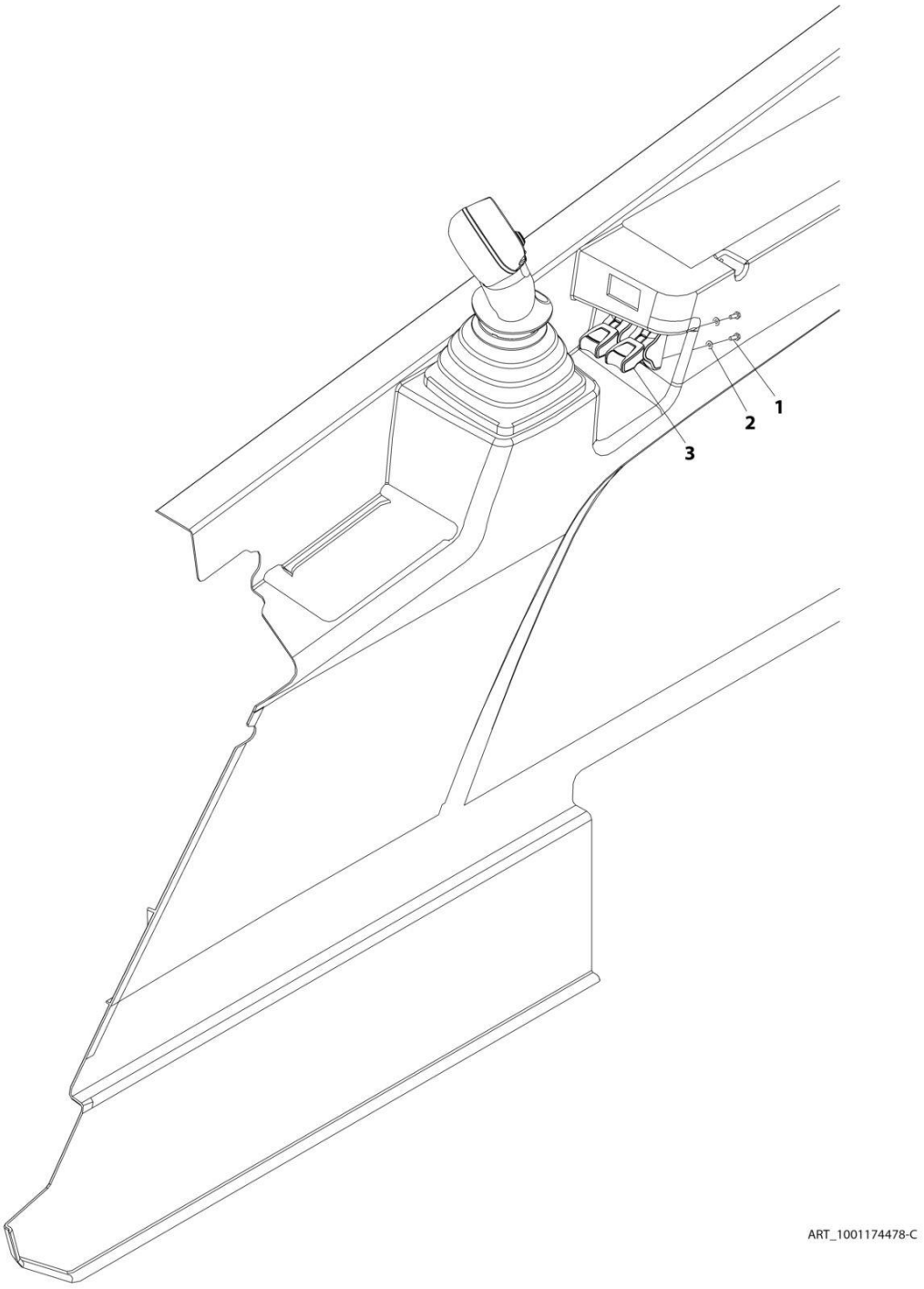


FIGURE 10-30. CAB - OUTRIGGER SWITCHES INSTALLATION

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

FIGURE 10-31. CAB - SEAT ADAPTOR HARNESS

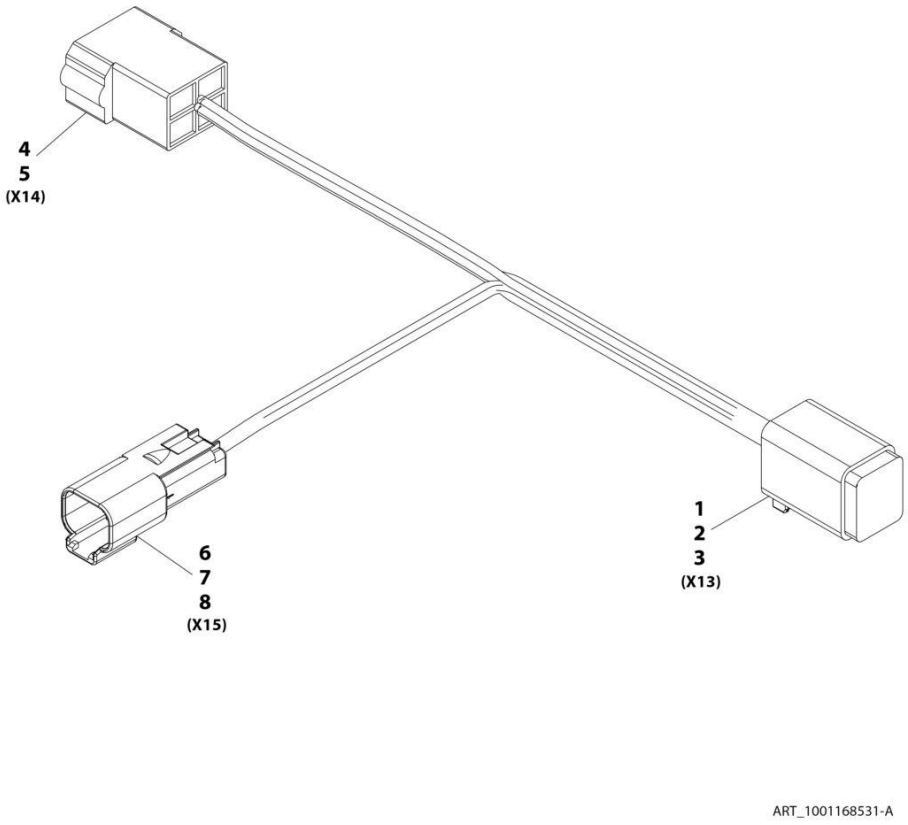


FIGURE 10-31. CAB - SEAT ADAPTOR HARNESS

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 10-32. CAMERA INSTALLATION - REVERSE

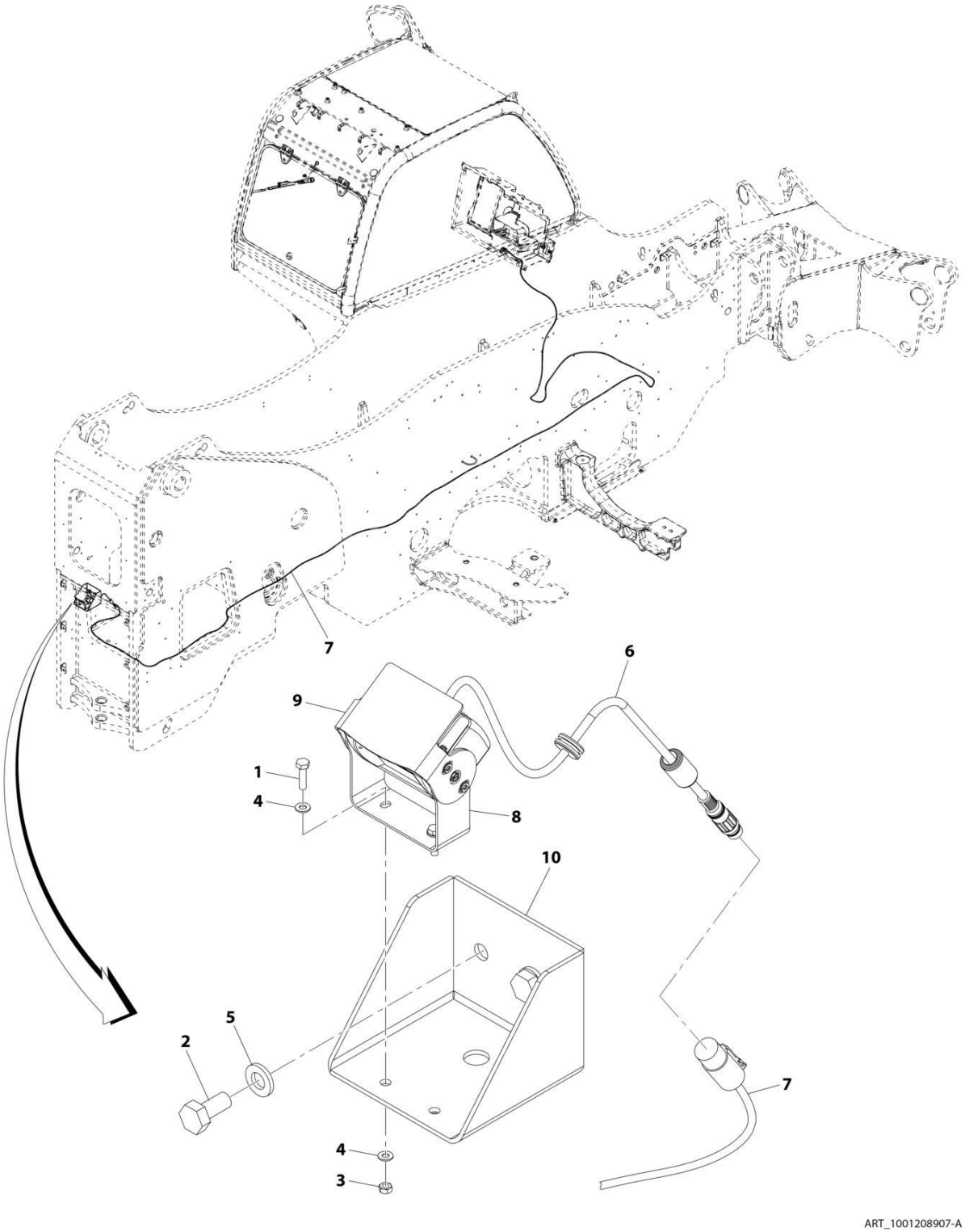


FIGURE 10-32. CAMERA INSTALLATION - REVERSE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208907	Ref	Reverse Camera Installation	A
1	0700408	2	Bolt, M4X16	
2	0701011	2	Bolt, M10X22	
3	3290401	2	Nut, M4X0.7	
4	4811400	4	Washer, M4	
5	5241000	2	Washer, M10	
6	1001167017	1	Camera, Reverse	
7	1001171962	1	Cable, Reverse Camera	
8	1001202621	1	Bracket, Reverse Camera Mount	
9	1001202622	1	Bracket, Reverse Sun Shield	
10	1001208908	1	Bracket, Reverse Camera Mount	

FIGURE 10-33. CAMERA (REVERSE) SENSOR INSTALLATION

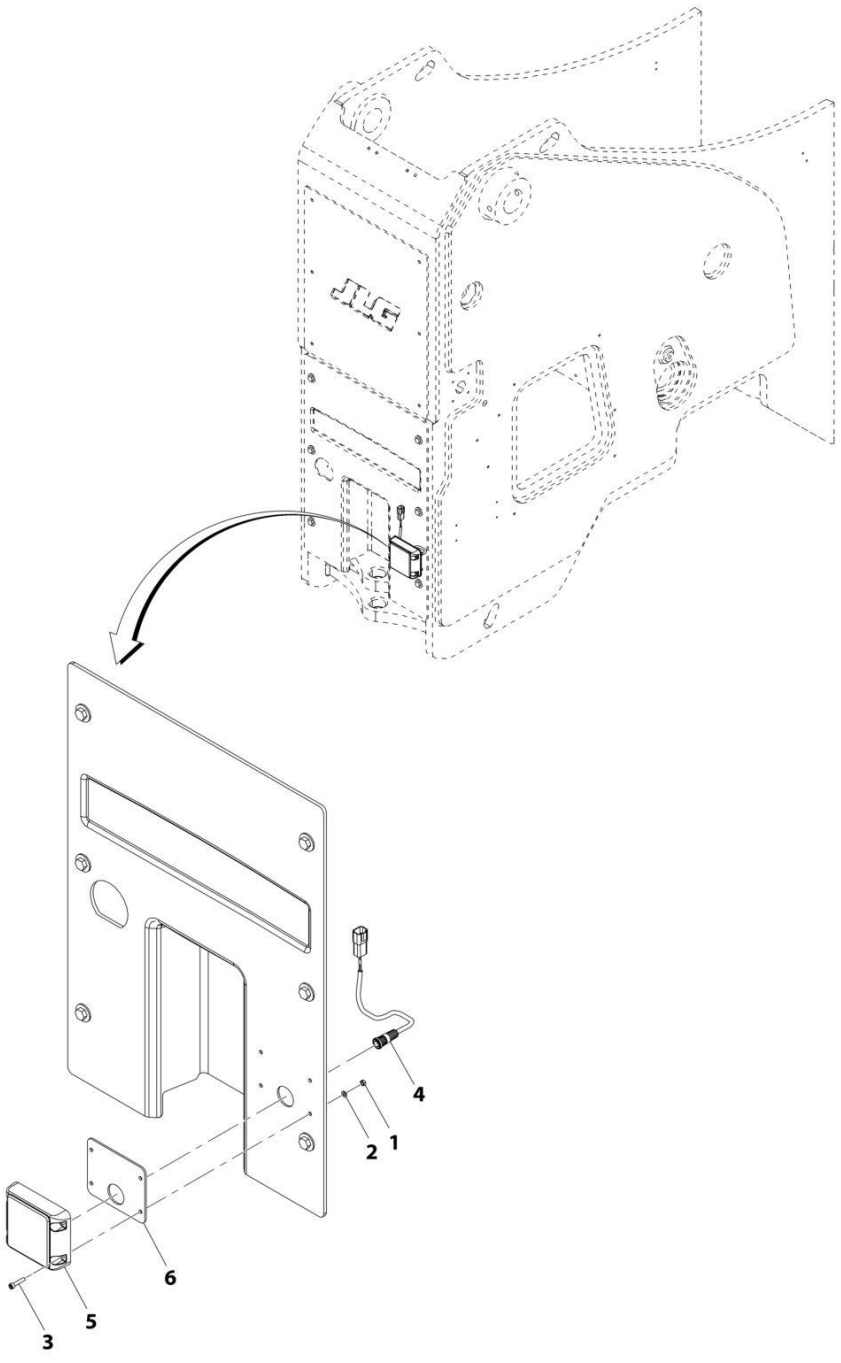


FIGURE 10-33. CAMERA (REVERSE) SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208906	Ref	REVERSE SENSOR INSTALLATION	D
1	3290501	4	Nut M5	
2	4811600	4	Washer M5	
3	5271609	4	Screw M5 x 25	
4	1001175776	1	Harness, Reverse Sensor (See Separate Breakdown in this Section)	
5	1001247421	1	Sensor, Reverse	
6	1001251518	1	Plate	

FIGURE 10-34. CAMERA (REVERSE) SENSOR HARNESS

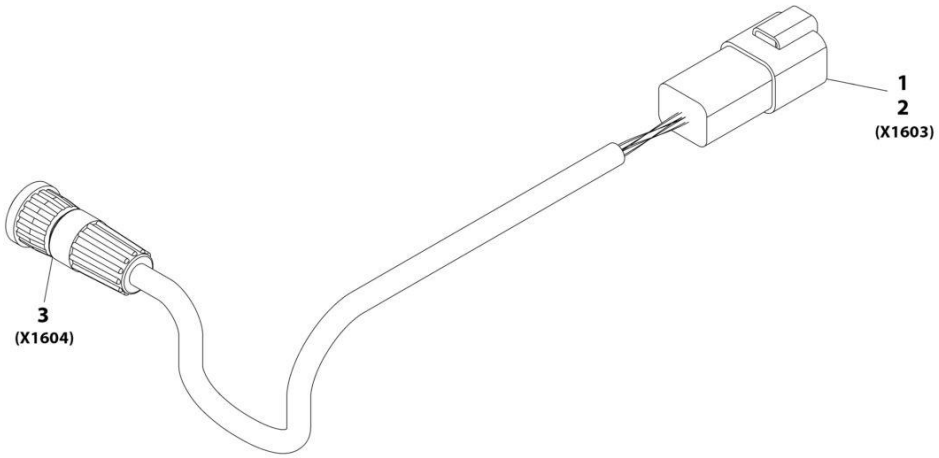


FIGURE 10-34. CAMERA (REVERSE) SENSOR HARNESS

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

FIGURE 10-35. CAMERA INSTALLATION - RIGHT SIDE

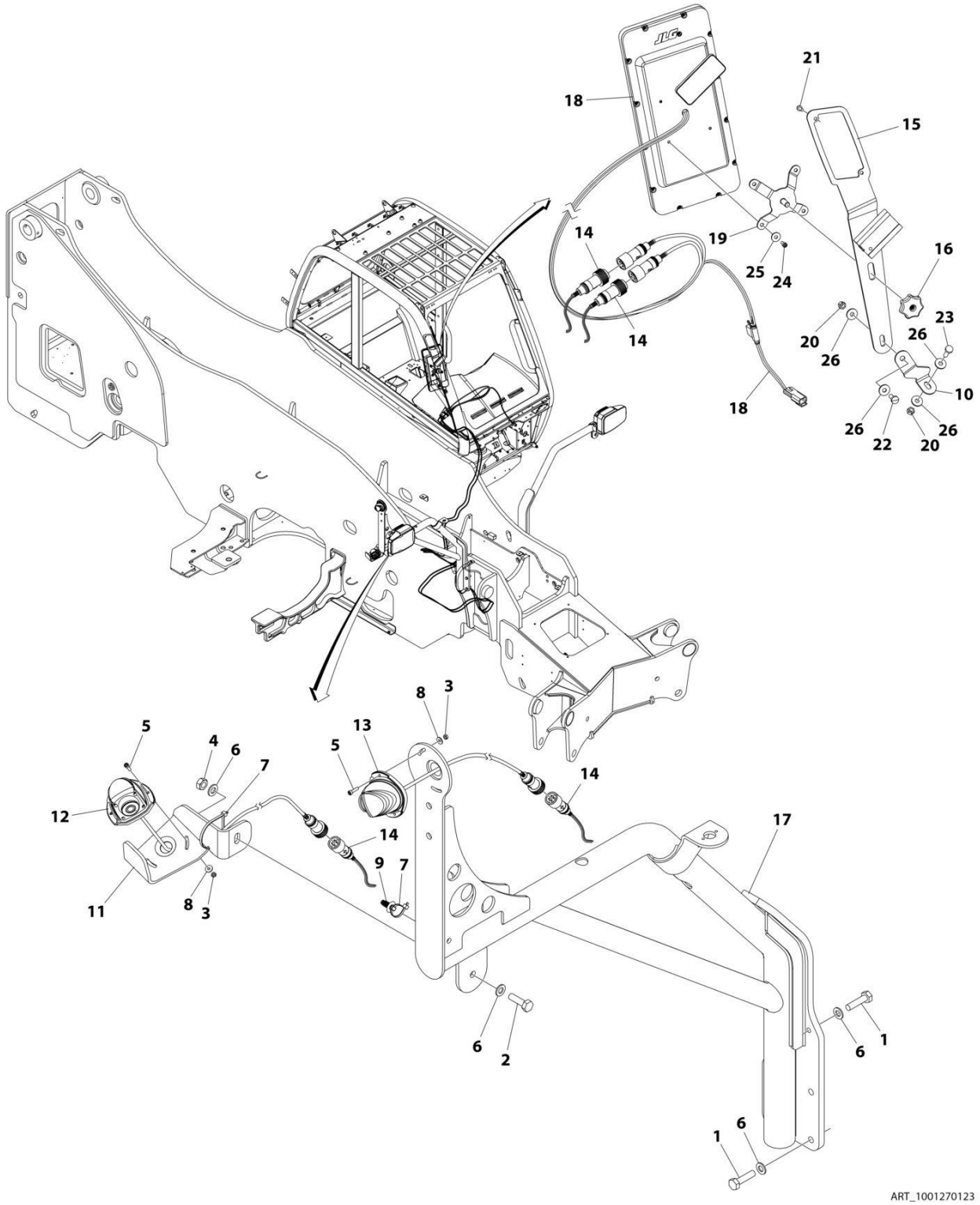


FIGURE 10-35. CAMERA INSTALLATION - RIGHT SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270123	Ref	CAMERA INSTALLATION	A
1	0701016	6	Bolt M10 x 40	
2	0761015	1	Bolt M10 x 35	
3	3290401	4	Nut M4 x 0.7	
4	3291001	1	Nut M10 x 1.5	
5	4031507	4	Bolt M4 x 16	
6	4812000	8	Washer M10	
7	1001008559	2	Tie-Strap	
8	1001091102	4	Washer M4	
9	1001202986	1	Strap, Push Mount	
10	1001260274	1	Plate, Display Bracket	
11	1001260580	1	Plate, Camera Bracket	
12	1001260685	1	Camera, Normal View	
13	1001260686	1	Camera, Mirror View	
14	1001260687	2	Cable, Extension	
15	1001260701	1	Bracket, Display	
16	1001265007	1	Knob, Display	
17	1001265347	1	Bracket, Camera	
18	1001265544	1	Display	
18	70031049	1	Control, Remote (Not Shown)	
19	1001271256	1	Mount, Display	
20	3290605001	2	Nut M6 x 1	
21	4010410002	2	Screw	
22	4010608002	1	Screw	
23	4010610002	1	Screw M6 x 20	
24	4031505001	4	Bolt M4 x 10	
25	4811602001	4	Washer M5	
26	4811702001	4	Washer M6	

FIGURE 10-36. COLD WEATHER PACKAGE INSTALLATION (ARCTIC) (1075)

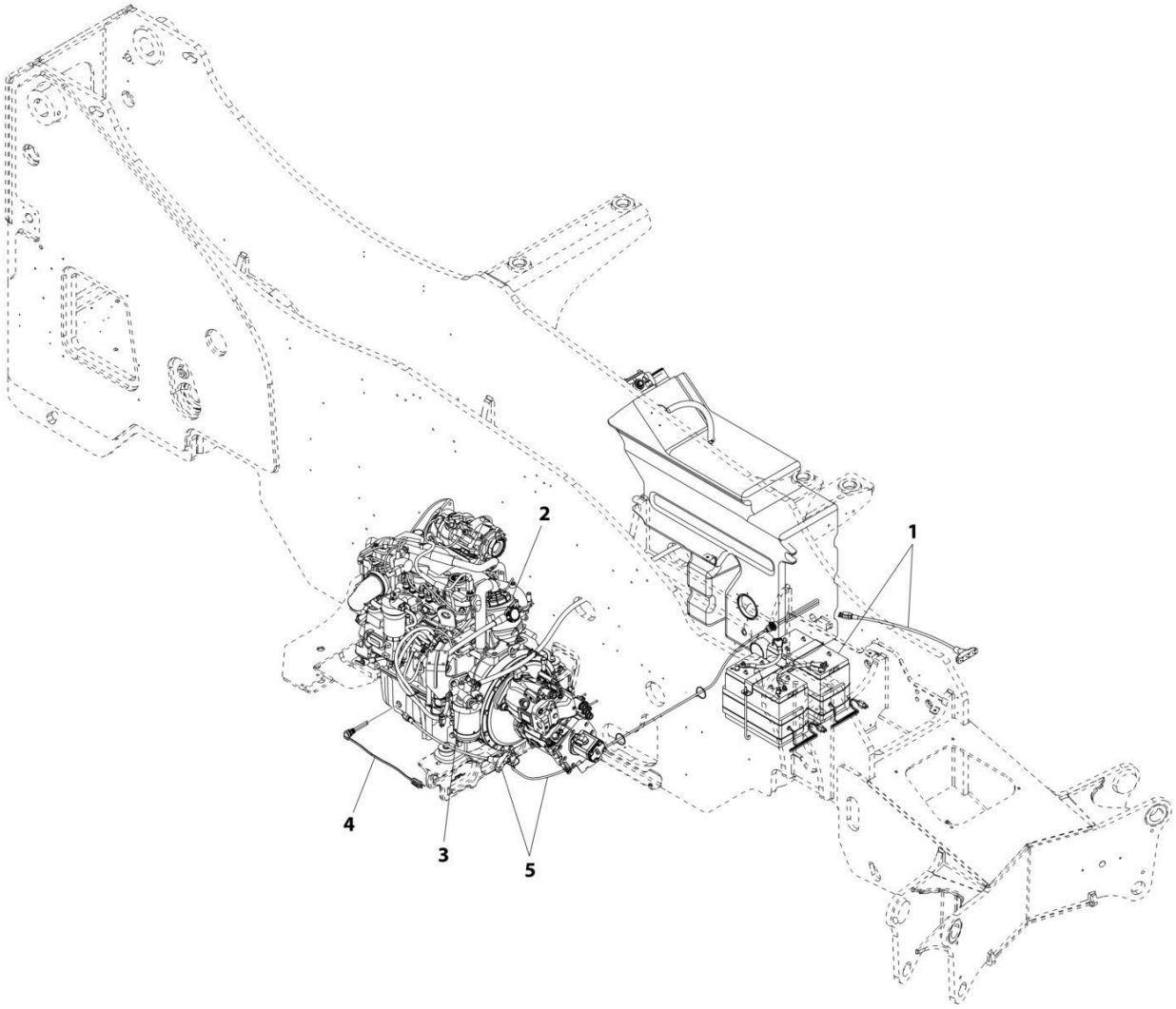


FIGURE 10-36. COLD WEATHER PACKAGE INSTALLATION (ARCTIC) (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207863	Ref	Arctic Weather Package Installation	A
1	1001195582	Ref	Arctic Batteries Installation (See Separate Breakdown in this Section)	
2	1001246882	Ref	Breather Tube Heater Installation (See Separate Breakdown in Engine and Attaching Parts Section)	
3	1001247501	Ref	Fuel Filter Heater Installation (See Separate Breakdown in this Section)	
4	1001247528	Ref	Oil Pan Heater Installation (See Separate Breakdown in this Section)	
5	1001247917	Ref	Hydraulic Tank Heater Installation (See Separate Breakdown in this Section)	

FIGURE 10-37. COLD WEATHER PACKAGE INSTALLATION (ARCTIC) (4523)

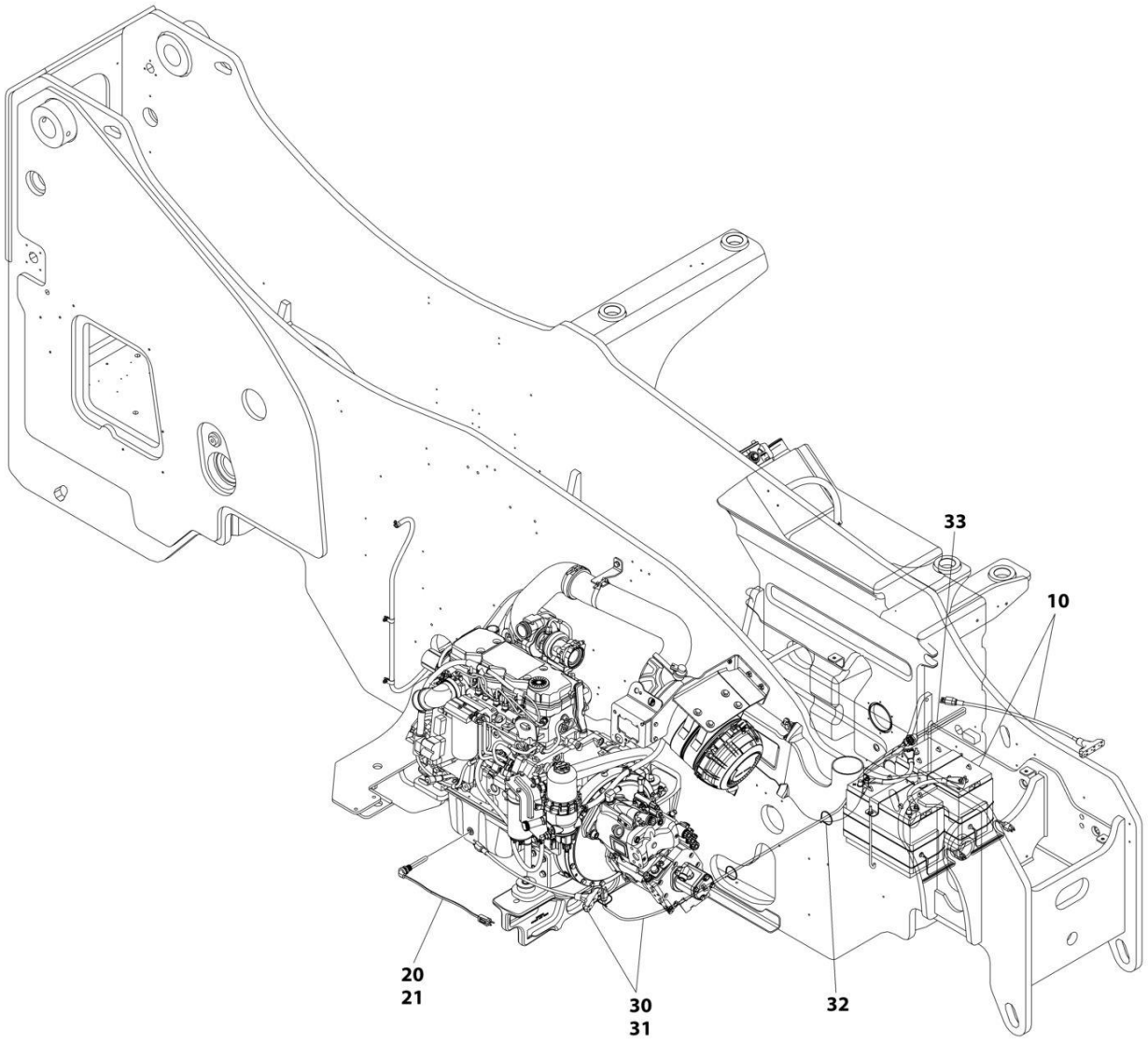


FIGURE 10-37. COLD WEATHER PACKAGE INSTALLATION (ARCTIC) (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265386	Ref	ARCTIC COLD WEATHER PACKAGE INSTALLATION	A
10	1001195582	Ref	Arctic Batteries Installation (See Separate Breakdown in this Section)	
20	1001247528	Ref	Oil Pan Heater Installation	
21	2580062	1	Heater, Engine Block	
30	1001247917	Ref	Hydraulic Tank Heater Installation	
31	1060626	1	Cord, 3-Way Extension	
32	4240099	3	Tie-Strap	
33	1001105886	1	Heater, Immersion	

FIGURE 10-38. COUPLER ANGLE SENSOR INSTALLATION

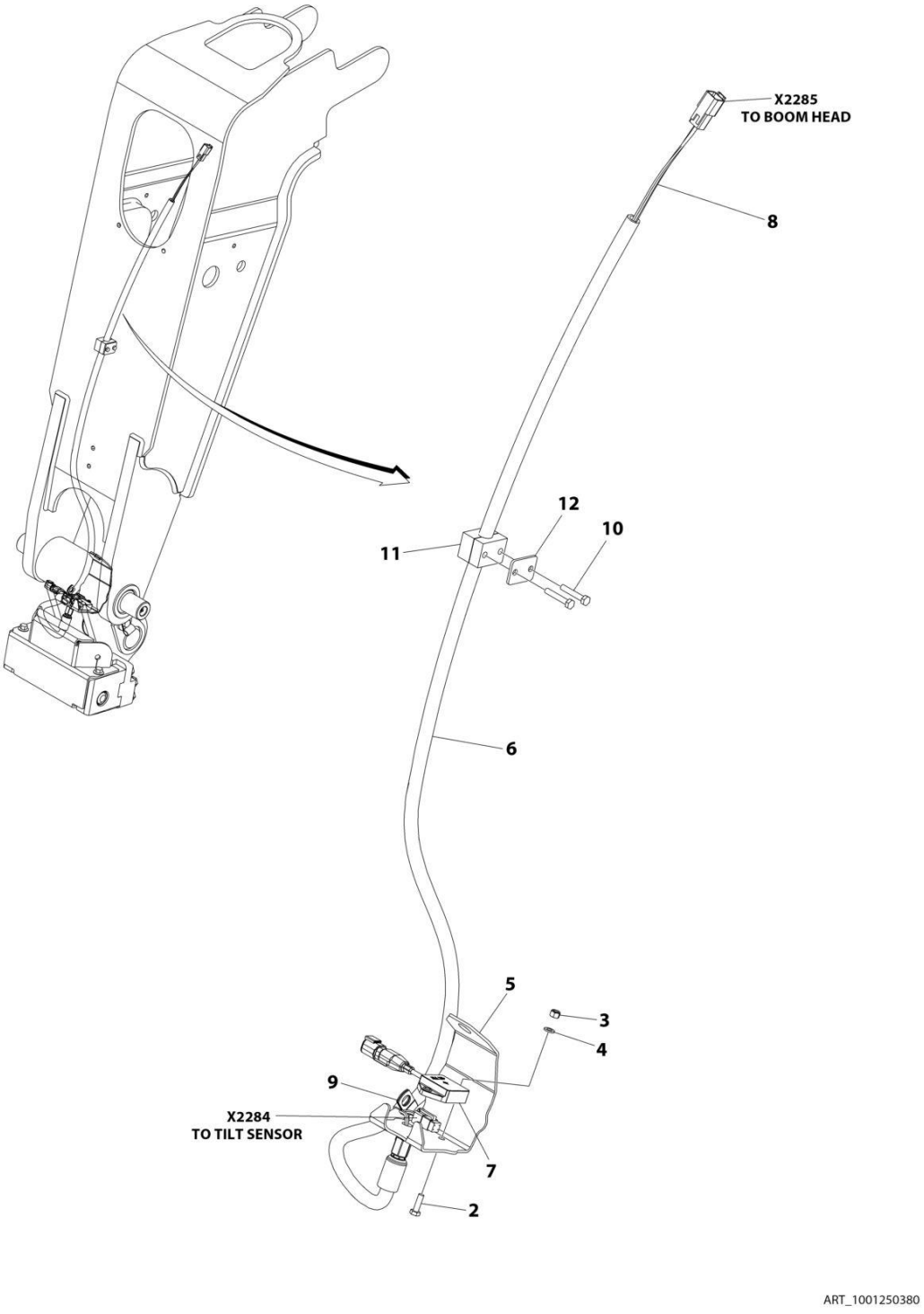


FIGURE 10-38. COUPLER ANGLE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250380	Ref	COUPLER ANGLE SENSOR INSTALLATION	C
2	0700610	2	Bolt M6 x 20	
3	3290605	2	Locknut M6 x 1 Grd8	
4	4811700	2	Washer M6	
5	1001270982	1	Plate, Sensor Mount	
6	1001250279	1	Hose	
7	1001256555	1	Sensor, Tilt Dual Axis	
8	1001256558	1	Harness, Tilt Sensor Jumper (See Separate Breakdown in this Section)	
9	91143122	1	Clamp	
10	0760615	2	Bolt M6 x 35	
11	77133497	1	Clamp Set	
12	1001105093	1	Clamp Cover Plate	

FIGURE 10-39. COUPLER ANGLE SENSOR INSTALLATION (MANUAL COUPLER)

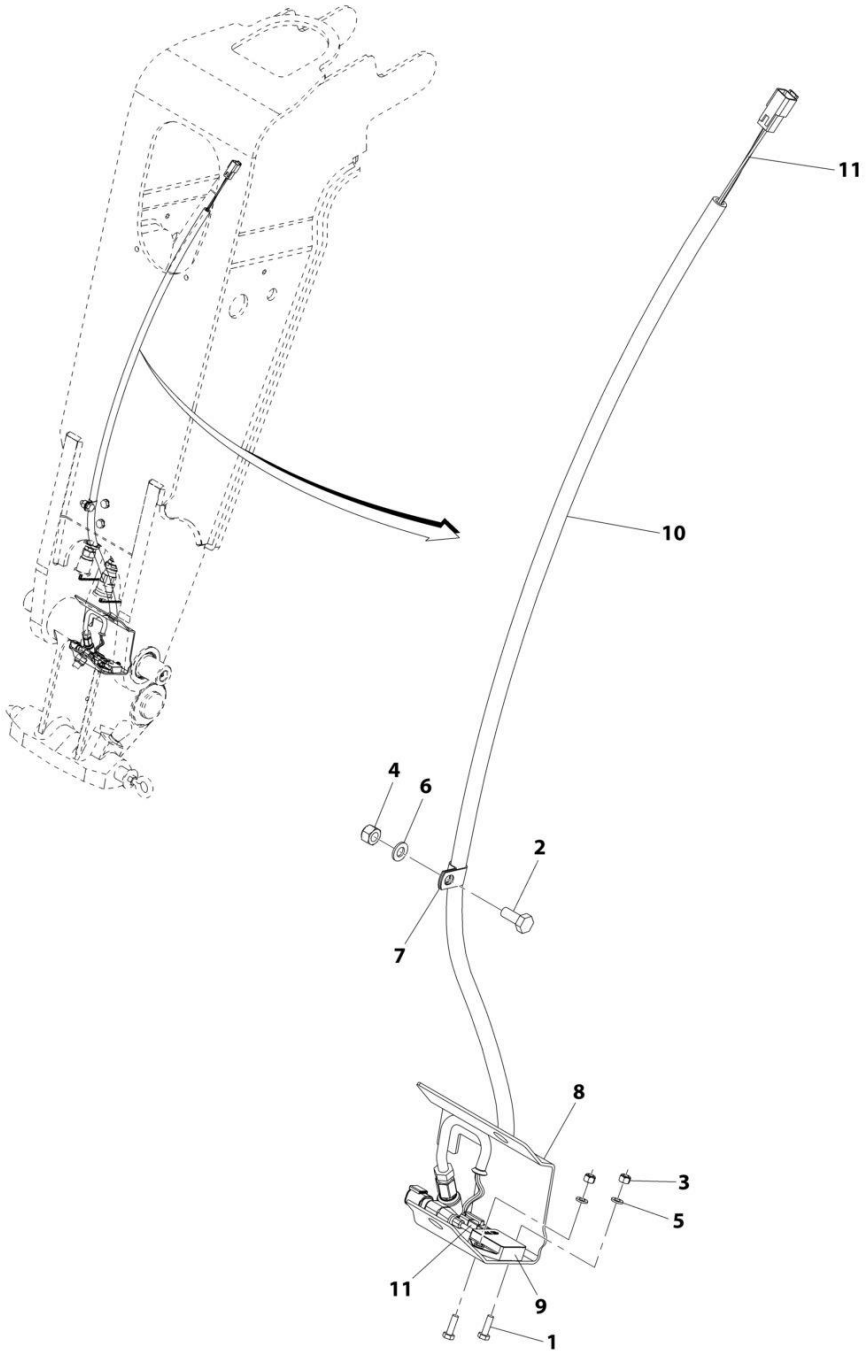


FIGURE 10-39. COUPLER ANGLE SENSOR INSTALLATION (MANUAL COUPLER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250379	Ref	Coupler Angle Sensor Installation (Man Coupler)	A
1	0700610	2	Bolt, M6 X 20	
2	0761012	1	Bolt, M10X25	
3	3290605	2	Nut, Lock M6X1 Grade 8	
4	3291005	1	Nut, Lock M10X1.5	
5	4811700	2	Washer, M6	
6	4812000	1	Washer, M10	
7	8406101	1	Clip	
8	1001250381	1	Bracket, Sensor Mount	
9	1001256555	1	Sensor, Tilt Dual Axis	
10	1001250279	1	Hose	
11	1001256558	1	Harness, Tilt Sensor Jumper (See Separate Breakdown in this Section)	

FIGURE 10-40. COUPLER - TILT SENSOR JUMPER HARNESS

ART_1001256558-A

FIGURE 10-40. COUPLER - TILT SENSOR JUMPER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256558	Ref	Tilt Sensor Jumper Harness	A
1	1001097051	1	Connector	
2	4460929	4	Terminal	
3	4461077	1	Connector	
4	4460928	4	Terminal	

FIGURE 10-41. EMERGENCY STOP EXTERNAL INSTALLATION

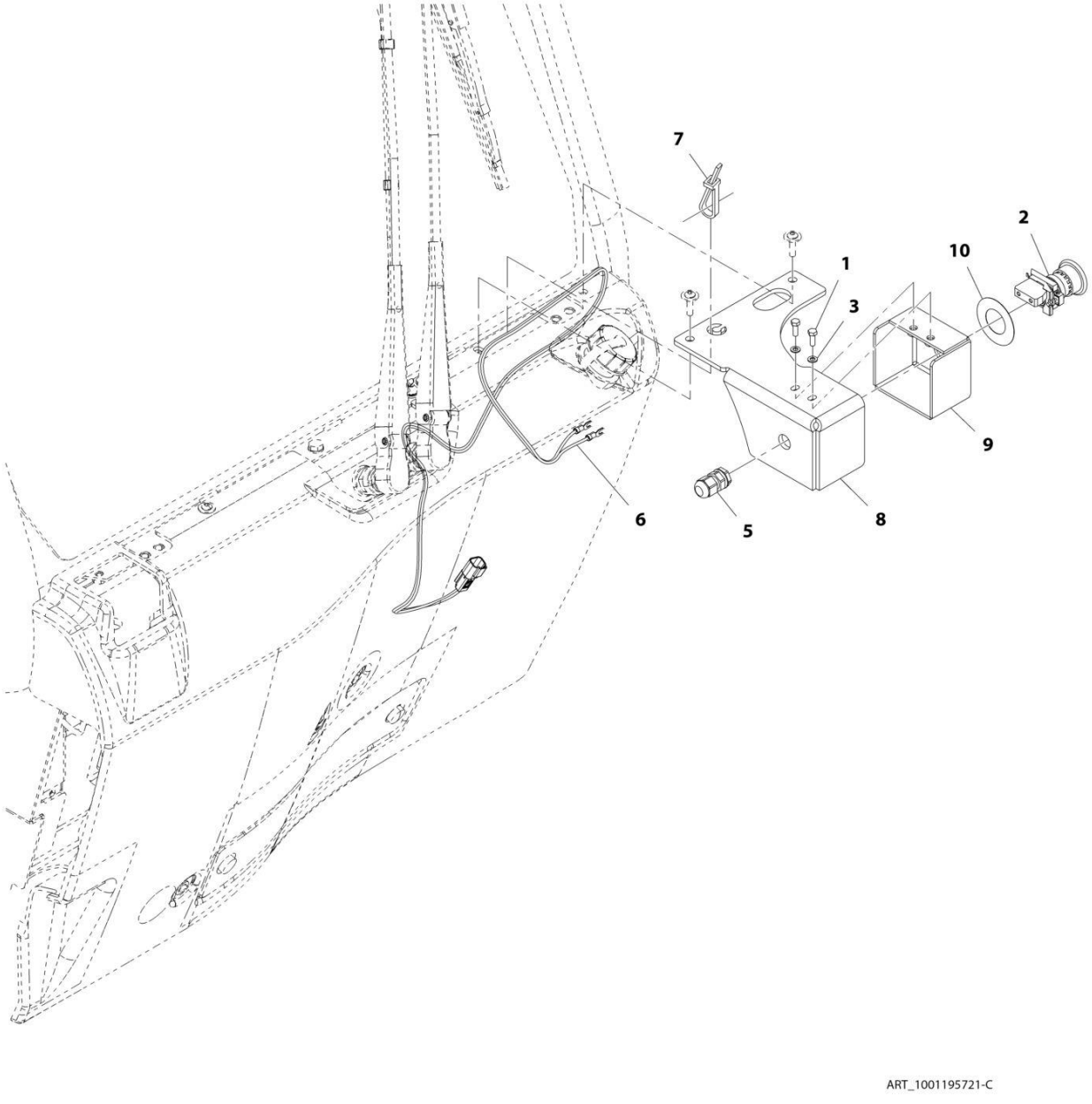


FIGURE 10-41. EMERGENCY STOP EXTERNAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195721	Ref	Emergency Stop External Installation	C
1	0760507	2	Bolt, M5X14	
2	4360475	1	Switch, E-Stop	
3	4811600	2	Washer, M5	
5	4461000	1	Connector	
6	1001217320	1	Harness, External EMS	
7	1001008559	1	Strap, Tie	
8	1001220859	1	Bracket	
9	1001220861	1	Shield	
10	1704260	1	Decal, EMS	

FIGURE 10-42. ENGINE - AIR SHUT OFF VALVE HARNESS (ASOV)

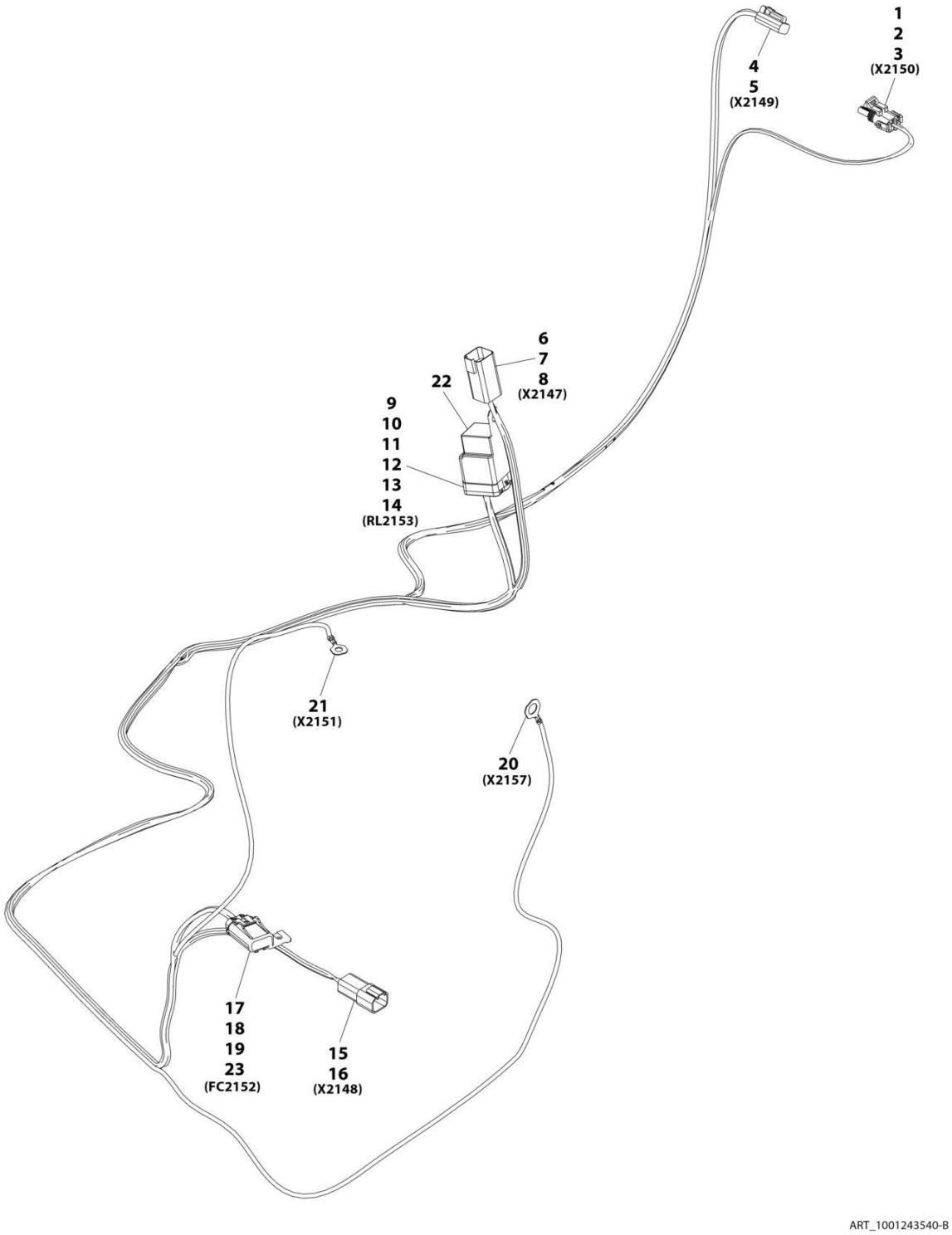


FIGURE 10-42. ENGINE - AIR SHUT OFF VALVE HARNESS (ASOV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243540	Ref	ASOV Harness	B
1	4460742	1	Connector	
2	4460475	2	Terminal	
3	4460458	2	Seal	
4	4460891	1	Connector	
5	1001157890	2	Terminal	
6	4460899	1	Connector	
7	4460464	5	Terminal	
8	4460466	1	Plug	
9	1001231398	1	Connector	
10	1001231401	2	Terminal	
11	1001231400	2	Terminal	
12	1001231406	1	Plug	
13	1001231402	2	Seal	
14	1001231404	2	Seal	
15	4460932	1	Connector	
16	4460464	4	Terminal	
17	1001231397	1	Connector	
18	1001231401	2	Terminal	
19	1001231402	2	Seal	
20	1001187078	1	Ring Terminal	
21	1001207171	1	Ring Terminal	
22	3740080	1	Relay, Weather Proof	
23	8229235	1	Fuse	

FIGURE 10-43. ENGINE BAY ELECTRICAL INSTALLATION (1075)

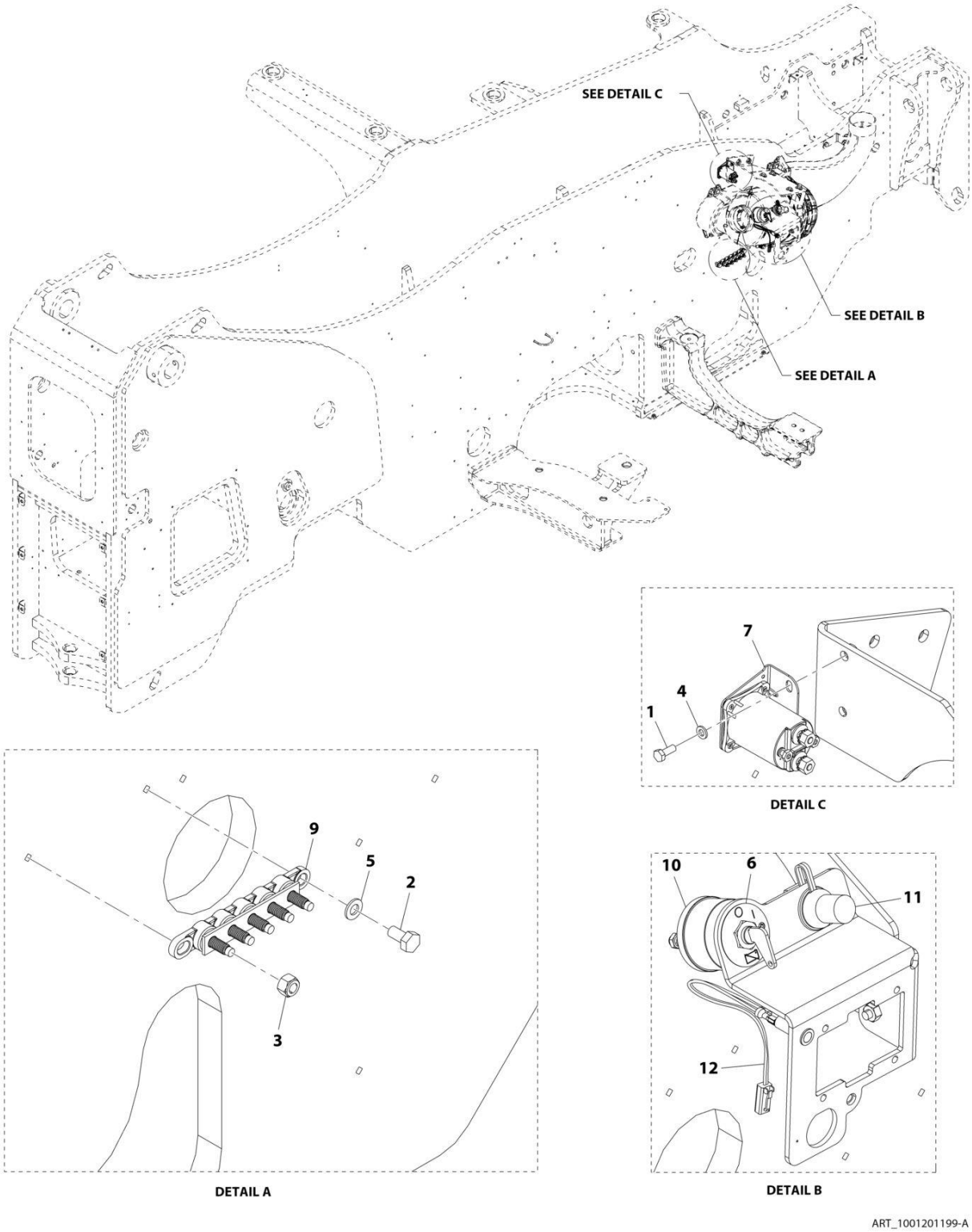


FIGURE 10-43. ENGINE BAY ELECTRICAL INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201199	Ref	Engine Bay Electrical Installation	A
1	0760608	2	Bolt, M6X16	
2	0761010	2	Bolt, M10X20	
3	3291005	5	Nut, lock M10X1.5	
4	4811700	2	Washer, M6	
5	4812000	2	Washer, M10	
6	1001008540	1	Plate, Battery	
7	1001117308	1	Relay, 200 Amp	
9	1001181128	1	Bussbar	
10	1001192142	1	Switch, Disconnect	
11	1001193993	1	Terminal, Battery	
12	1001232288	1	Harness, DEF Purge Light (See Separate Breakdown in this Section)	

FIGURE 10-44. ENGINE BAY ELECTRICAL INSTALLATION (4523)

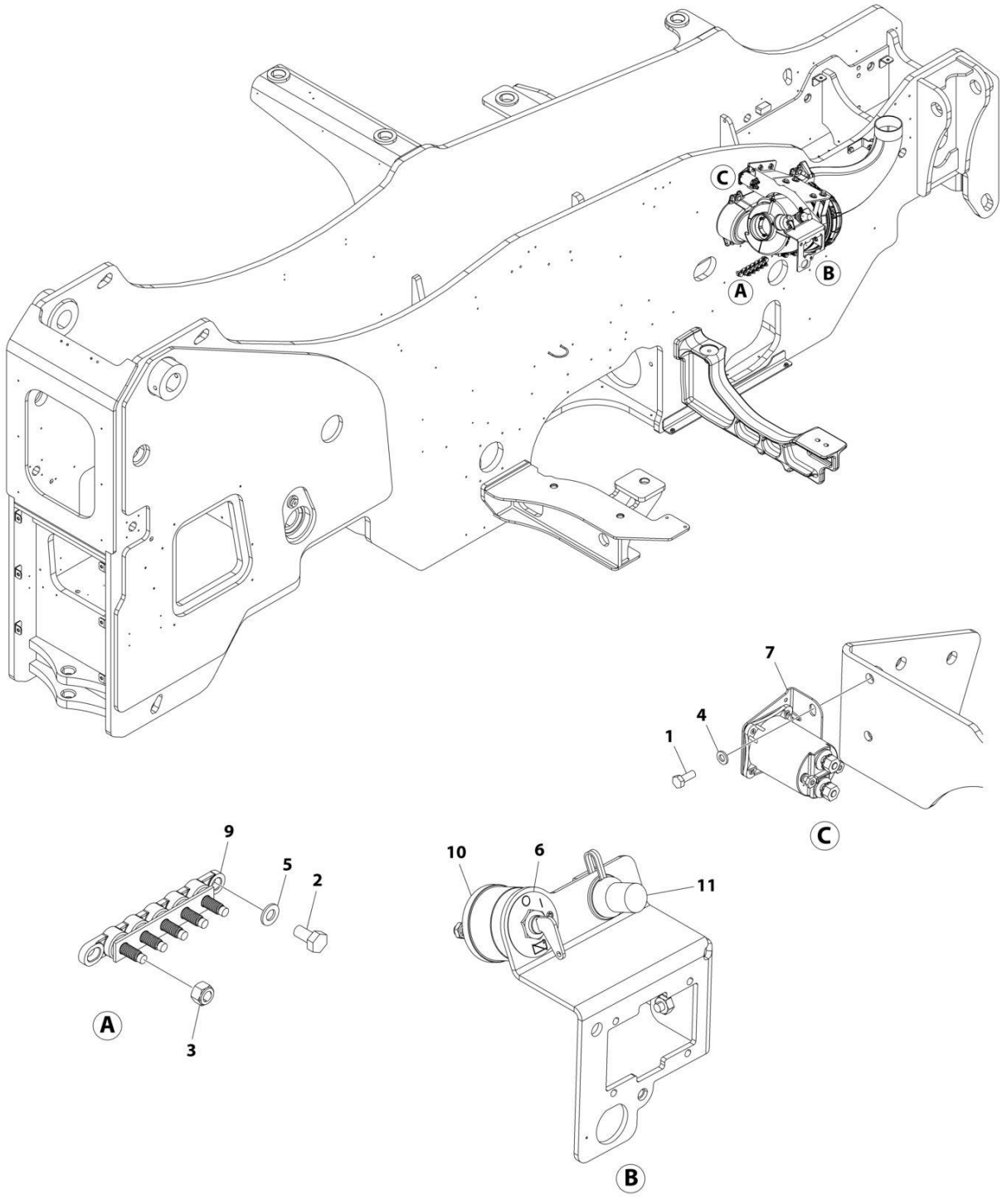


FIGURE 10-44. ENGINE BAY ELECTRICAL INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264601	Ref	ENGINE BAY ELECTRICAL INSTALLATION	A
1	0760608	2	Bolt M6 x 16	
2	0761010	2	Bolt M10 x 20	
3	3291005	5	Nut M10	
4	4811700	2	Washer M6	
5	4812000	2	Washer M10	
6	1001008540	1	Plate, Battery	
7	1001117308	1	Relay, 200 Amp	
9	1001181128	1	Bussbar	
10	1001192142	1	Switch, Disconnect	
11	1001193993	1	Terminal, Battery	

FIGURE 10-45. ENGINE BAY WIRING INSTALLATION (1075)

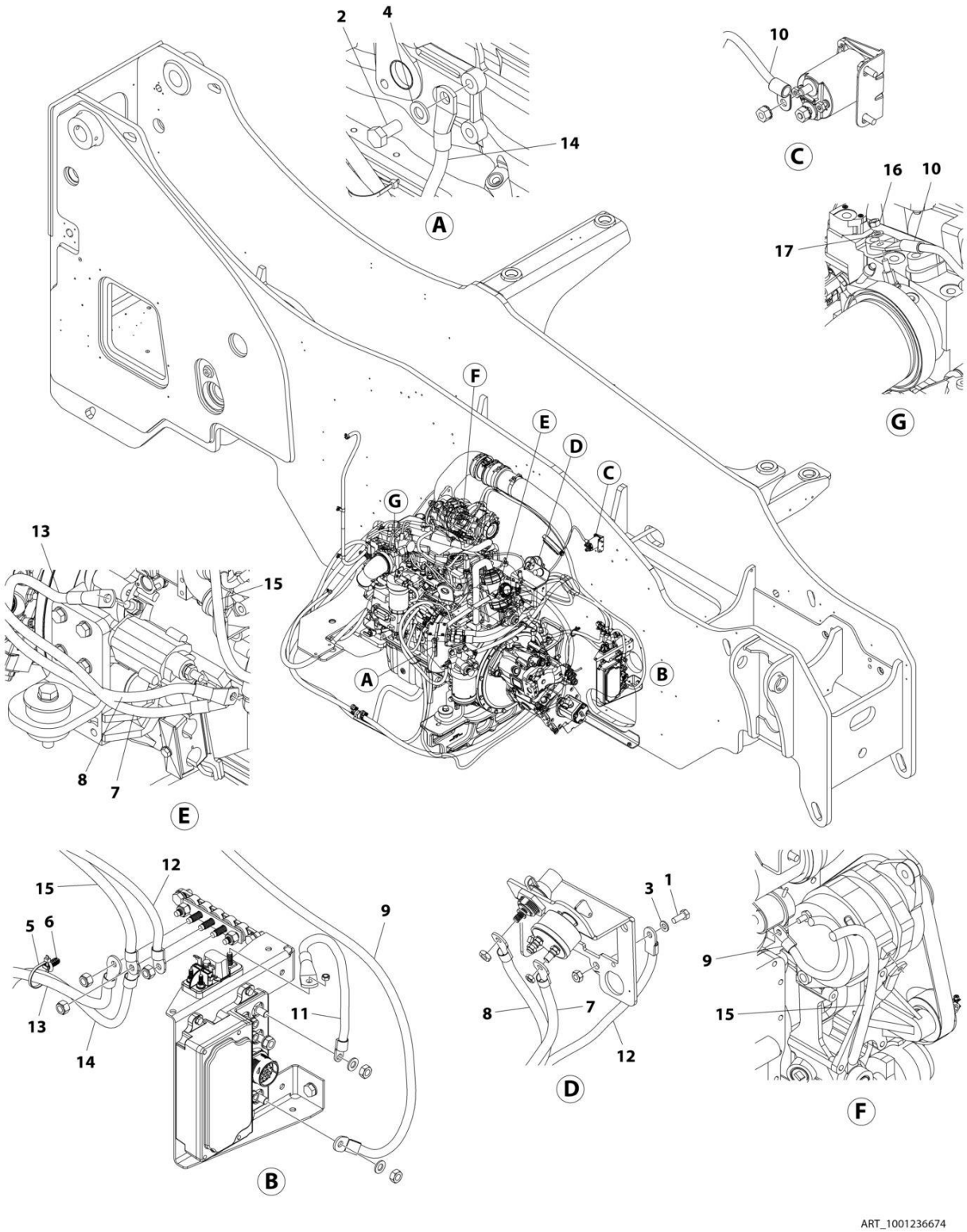


FIGURE 10-45. ENGINE BAY WIRING INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236674	Ref	ENGINE BAY WIRING INSTALLATION	C
1	0760810	1	Bolt M8 x 20	
2	0761212	1	Bolt M12 x 25	
3	4811900	1	Washer M8	
4	4812100	1	Washer M12	
5	1001008559	1	Strap, Cable	
6	1001202986	1	Strap Push Mount	
7	1001239061	1	Cable, Starter to Battery Disconnect	
8	1001239062	1	Cable, Starter to Remote B+	
9	1001239125	1	Cable, PDM to ALT+	
10	1001239126	1	Cable, Grid Heater	
11	1001239127	1	Cable, PDM to Power Fuse Module	
12	1001239186	1	Cable, Ground Buss to Remote Ground	
13	1001239187	1	Cable, Starter Ground	
14	1001239188	1	Cable, Engine Ground	
15	1001242109	1	Cable, Alt Ground	
16	3290601	1	Nut M6	
17	4811700	1	Washer M6	

FIGURE 10-46. ENGINE BAY WIRING INSTALLATION (4523)

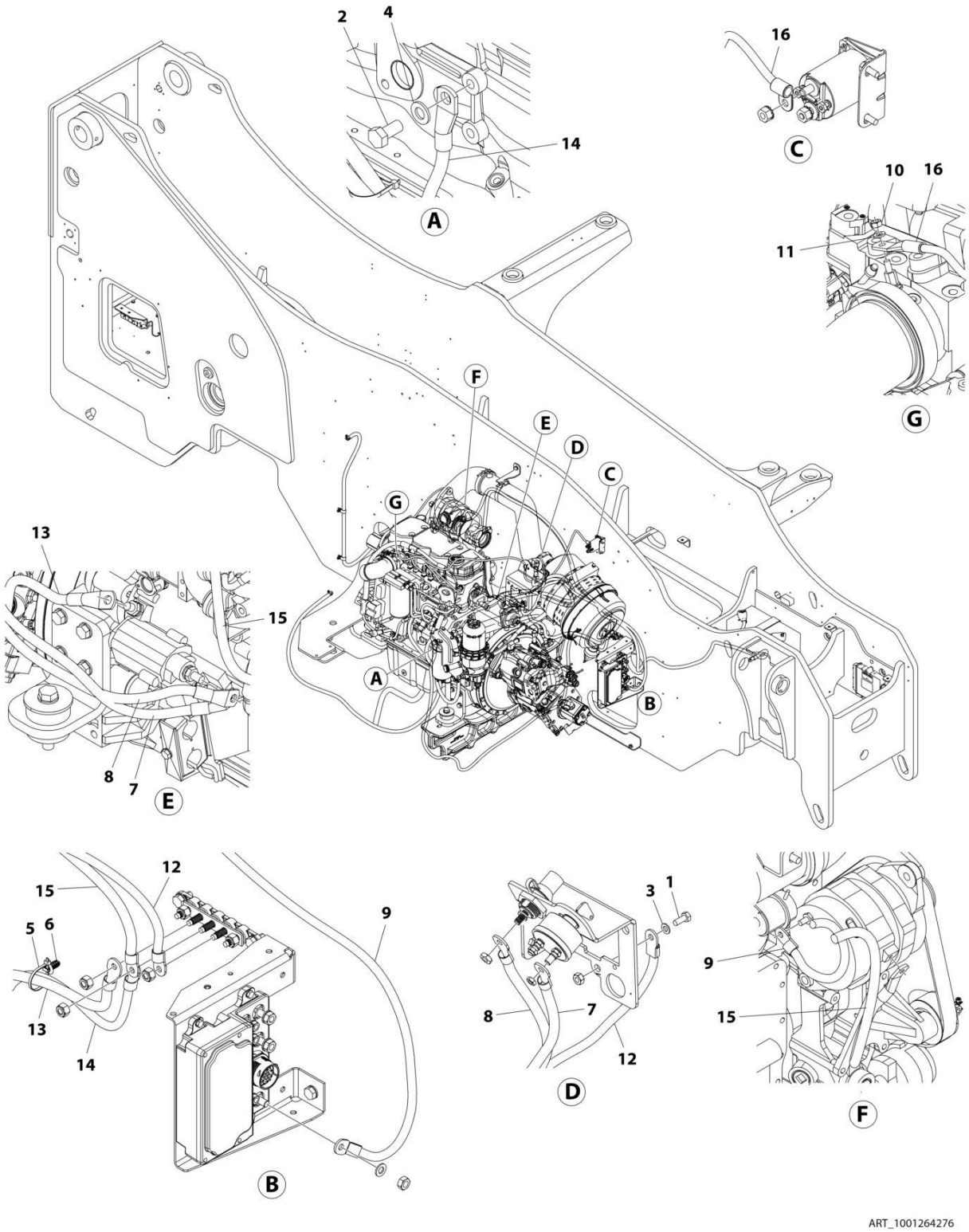


FIGURE 10-46. ENGINE BAY WIRING INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264276	Ref	ENGINE BAY WIRING INSTALLATION	B
1	0760810	1	Bolt M8 x 20	
2	0761212	1	Bolt M12 x 25	
3	4811900	1	Washer M8	
4	4812100	1	Washer M12	
5	1001008559	1	Tie-Strap	
6	1001202986	1	Strap Push Mount	
7	1001239061	1	Cable, Starter to Battery Disconnect	
8	1001239062	1	Cable, Starter to Remote B+	
9	1001239125	1	Cable, PDM to ALT+	
10	3290601	1	Nut M6	
11	4811700	1	Washer M6	
12	1001239186	1	Cable, Ground Buss to Remote Ground	
13	1001239187	1	Cable, Starter Ground	
14	1001239188	1	Cable, Engine Ground	
15	1001279501	1	Cable, Alt Ground	
16	1001239126	1	Cable, Grid Heater	

FIGURE 10-47. ENGINE - ENGINE HARNESS (CUMMINS) (1075 ONLY)

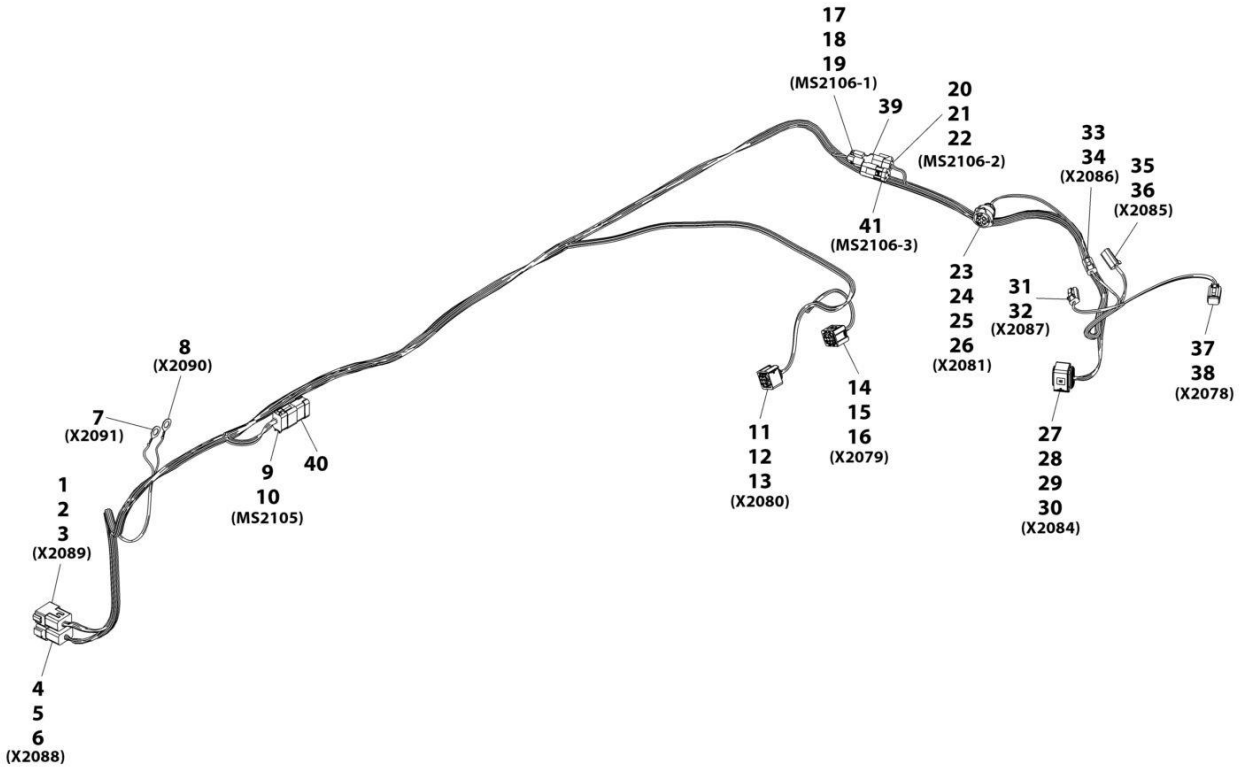


FIGURE 10-47. ENGINE - ENGINE HARNESS (CUMMINS) (1075 ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239954	Ref	Cummins Engine Harness	B
1	4460970	1	Connector	
2	4460464	11	Terminal	
3	4460466	1	Plug	
4	4460950	1	Connector	
5	4460464	10	Terminal	
6	4460466	2	Plug	
7	1001187077	1	Terminal Ring	
8	1001187077	1	Terminal Ring	
9	4460930	1	Connector	
10	4460465	8	Terminal	
11	1001176935	1	Connector	
12	1001166704	4	Terminal	
13	1001137578	4	Seal	
14	1001167528	1	Connector	
15	1001166704	4	Terminal	
16	1001137578	4	Seal	
17	1001116812	1	Connector	
18	4460944	2	Terminal	
19	4460466	1	Plug	
20	4460539	1	Connector	
21	4460944	2	Terminal	
22	4460466	1	Plug	
23	1001167620	1	Connector	
24	1001176004	2	Terminal	
25	1001167624	2	Plug	
26	1001176002	2	Seal	
27	1001165194	1	Connector	
28	1001126391	2	Plug	
29	1001166703	10	Terminal	
30	1001223459	10	Seal	
31	4460891	1	Connector	
32	4460465	2	Terminal	
33	4460891	1	Connector	
34	4460465	2	Terminal	
35	4460891	1	Connector	
36	4460465	2	Terminal	
37	4460884	1	Connector	
38	4460465	4	Terminal	
39	4460945	1	Terminal, 3 Way "T" Receptacle	
40	4460984	1	Plug	
41	1001116815	1	Connector, 3 Pin	

FIGURE 10-48. ENGINE - ENGINE HARNESS (CUMMINS) (1075)

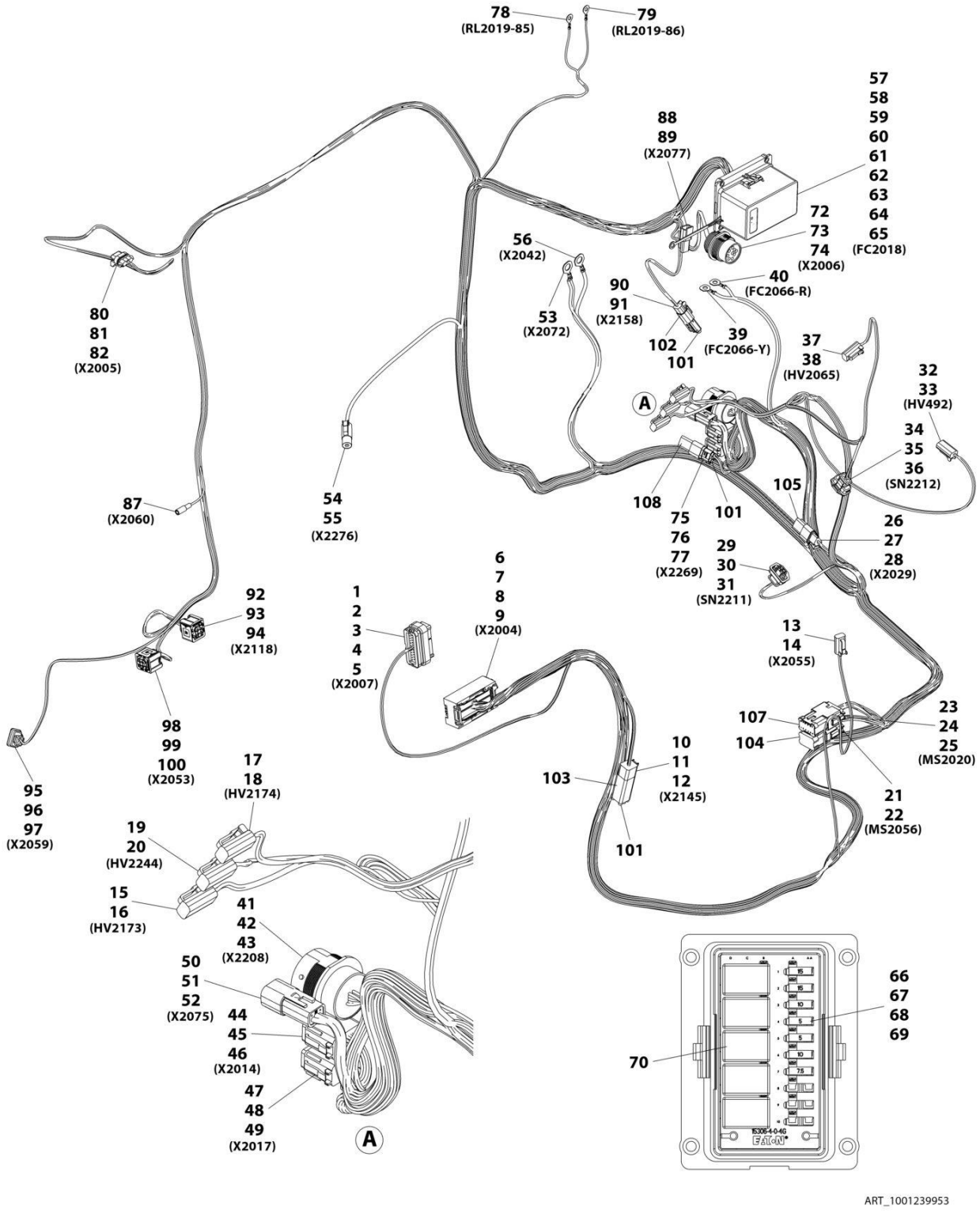


FIGURE 10-48. ENGINE - ENGINE HARNESS (CUMMINS) (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239953	Ref	ENGINE HARNESS (CUMMINS)	D
1	1001167641	1	Connector	
2	1001195782	7	Plug	
3	1001195781	14	Plug	
4	1001125085	2	Terminal	
5	1001125089	1	Terminal	
6	1001167641	1	Connector	
7	1001167648	10	Terminal	
8	1001167650	55	Plug	
9	1001167649	31	Terminal	
10	4460894	1	Connector	
11	4460465	5	Terminal	
12	4460466	1	Plug	
13	4460891	1	Connector	
14	4460465	2	Terminal	
15	4460891	1	Connector	
16	4460465	2	Terminal	
17	4460891	1	Connector	
18	4460465	2	Terminal	
19	1001167641	1	Connector	
20	4460465	2	Terminal	
21	4460930	1	Connector	
22	4460465	8	Terminal	
23	4460933	1	Connector	
24	4460465	10	Terminal	
25	4460466	2	Plug	
26	4461095	1	Connector	
27	4460944	2	Terminal	
28	4460466	1	Plug	
29	1001126483	1	Connector	
30	1001167634	3	Terminal	
31	1001126485	3	Seal	
32	4460891	1	Connector	
33	4460465	2	Terminal	
34	1001126483	1	Connector	
35	1001167634	3	Terminal	
36	1001167634	3	Seal	
37	4460891	1	Connector	
38	4460465	2	Terminal	
39	1001207171	1	Ring Terminal	
40	1001207171	1	Ring Terminal	
41	1001148106	1	Connector	
42	4460464	20	Terminal	
43	4460466	3	Plug	
44	1001207171	1	Connector	
45	4460465	11	Terminal	
46	4460466	1	Plug	
47	4460836	1	Connector	
48	4460465	10	Terminal	
49	4460466	2	Plug	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001116811	1	Connector	
51	4460508	3	Terminal	
52	1001150610	1	Terminal	
53	1001187079	1	Ring, Terminal	
54	4461261	1	Connector	
55	1001150611	1	Terminal	
56	1001187079	1	Ring, Terminal	
57	1001167616	1	Connector	
58	4460748	10	Plug	
59	1001190921	1	Seal, Foam Fuse Box	
60	1001116725	1	Terminal	
61	8220098	8	Terminal	
62	8220097	26	Terminal	
63	80963067	2	Seal	
64	4460789	9	Seal	
65	4460458	25	Seal	
66	8229244	2	Fuse, 15amp	
67	80983191	2	Fuse, 10amp	
68	8229242	1	Fuse, 5amp	
69	8229243	1	Fuse, 7.5amp	
70	1001205172	1	Relay, 35amp	
72	1001112612	1	Connector	
73	4460464	4	Terminal	
74	4460466	5	Plug	
75	1001116812	1	Connector	
76	4460465	1	Terminal	
77	4460466	1	Plug	
78	1001187070	1	Ring, Terminal	
79	1001187070	1	Ring, Terminal	
80	1001125027	1	Connector	
81	8220124	3	Terminal	
82	4460608	3	Seal	
87	1001246391	1	Connector	
88	1001153612	1	Connector	
89	1001126011	2	Terminal	
90	4460891	1	Connector	
91	4460465	2	Terminal	
92	1001176935	1	Connector	
93	1001166704	4	Terminal	
94	4461006	4	Seal	
95	1001126487	1	Connector	
96	1001167656	2	Terminal	
97	1001167657	2	Seal	
98	1001167528	1	Connector	
99	1001166704	4	Terminal	
100	4461006	4	Seal	
101	4460466	11	Terminal	
102	4460897	1	Connector	
103	4460899	1	Terminal	
104	4460984	1	Plug	
105	4461070	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
107	1001125677	1	Connector	
108	1001144147	1	Terminal	

FIGURE 10-49. ENGINE HARNESS (CUMMINS) (4523)

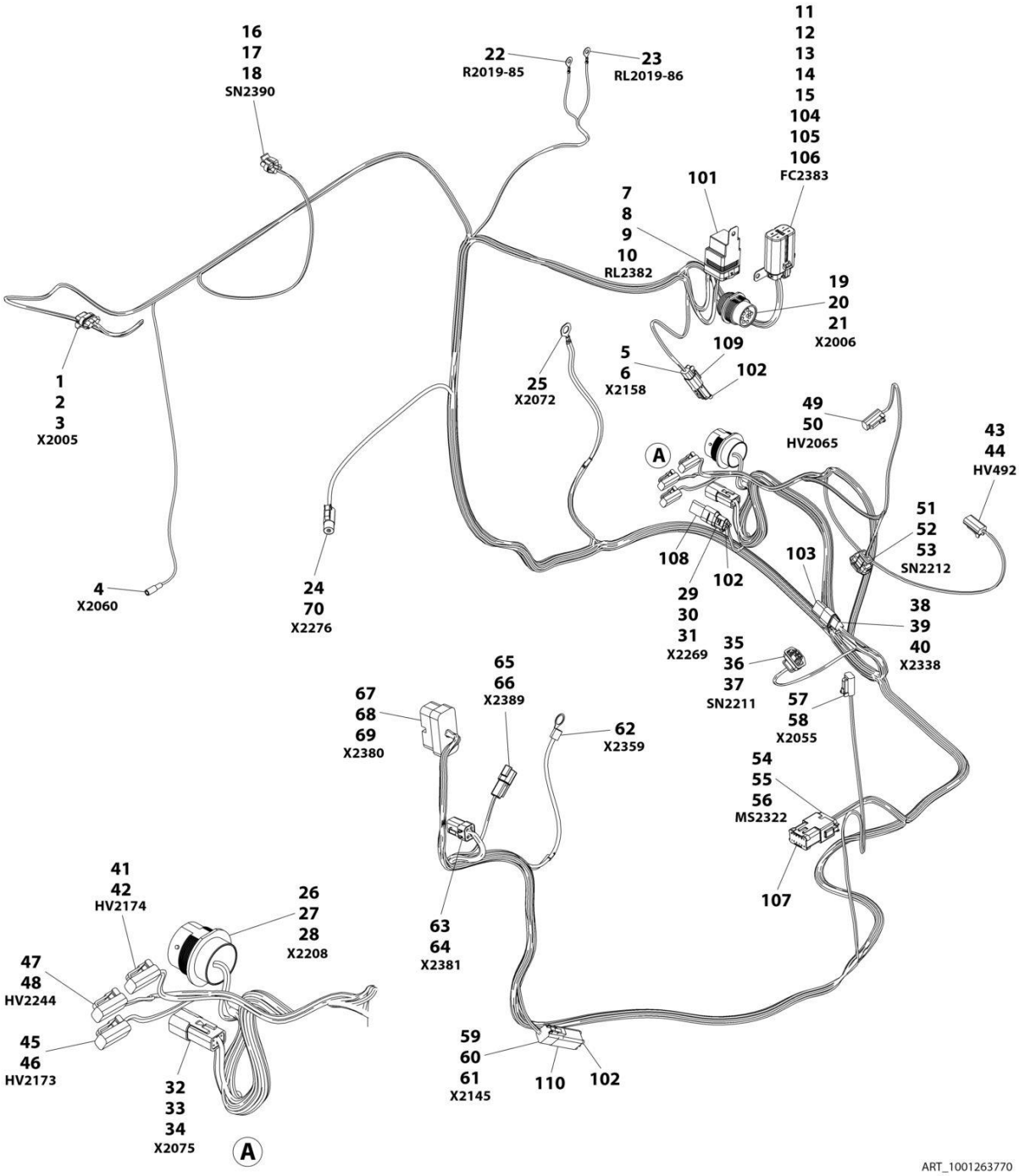


FIGURE 10-49. ENGINE HARNESS (CUMMINS) (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263770	Ref	ENGINE HARNESS (CUMMINS)	B
1	1001125027	1	Connector, 3-Position	
2	8220124	3	Terminal	
3	4460608	3	Seal	
4	1001246391	1	Connector	
5	4460891	1	Connector, 2-Position	
6	4460465	2	Terminal	
7	1001231398	1	Connector, 5-Way	
8	1001231400	4	Terminal	
9	1001231406	1	Terminal	
10	1001231404	4	Seal	
11	1001184551	1	Connector	
12	4460746	5	Terminal	
13	1001116747	3	Terminal	
14	4460458	5	Seal	
15	4460789	3	Seal	
16	1001209097	1	Connector	
17	8220124	2	Terminal	
18	4460608	2	Seal	
19	1001112612	1	Connector	
20	4460464	4	Terminal	
21	4460466	5	Terminal	
22	1001187070	1	Terminal, Ring	
23	1001187070	1	Terminal, Ring	
24	4461261	1	Connector	
25	1001187079	1	Terminal, Ring	
26	1001148106	1	Connector	
27	4460464	21	Terminal	
28	4460464	2	Terminal	
29	1001116812	1	Connector	
30	4460465	2	Terminal	
31	4460466	1	Plug	
32	1001116811	1	Connector	
33	4460508	3	Terminal	
34	1001150610	1	Terminal	
35	1001126483	1	Connector, 3-Position	
36	1001167634	3	Terminal	
37	1001126485	3	Seal	
38	4461095	1	Connector	
39	4460944	2	Terminal	
40	4460466	1	Plug	
41	4460891	1	Connector, 2-Position	
42	4460465	2	Terminal	
43	4460891	1	Connector, 2-Position	
44	4460465	2	Terminal	
45	4460891	1	Connector, 2-Position	
46	4460465	2	Terminal	
47	4460891	1	Connector, 2-Position	
48	4460465	2	Terminal	
49	4460891	1	Connector, 2-Position	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460465	2	Terminal	
51	1001126483	1	Connector, 3-Position	
52	1001167634	3	Seal	
53	1001126485	3	Seal	
54	4460933	1	Connector	
55	4460465	10	Terminal	
56	4460466	2	Plug	
57	4460891	1	Connector, 2-Position	
58	4460465	2	Terminal	
59	4460894	1	Connector, 6-Position	
60	4460465	5	Terminal	
61	4460466	1	Plug	
62	8220029	1	Terminal	
63	1001116810	1	Connector	
64	4460509	4	Terminal	
65	4460897	1	Connector, 2-Position	
66	4460464	2	Terminal	
67	1001116821	1	Connector, 50-Position	
68	4460518	36	Plug	
69	1001126008	14	Terminal	
70	1001150611	1	Terminal	
101	3740080	1	Relay	
102	4460466	11	Plug	
103	4461070	1	Connector, 3-Position	
104	8229242	1	Fuse, 5amp	
105	8229243	1	Fuse, 7.5amp	
106	80983191	2	Fuse, 10amp	
107	1001125677	1	Connector	
108	1001144147	1	Terminal	
109	4460897	1	Connector, 2-Position	
110	4460899	1	Connector, 6-Position	

FIGURE 10-50. ENGINE - DEF PURGE LIGHT HARNESS (1075)

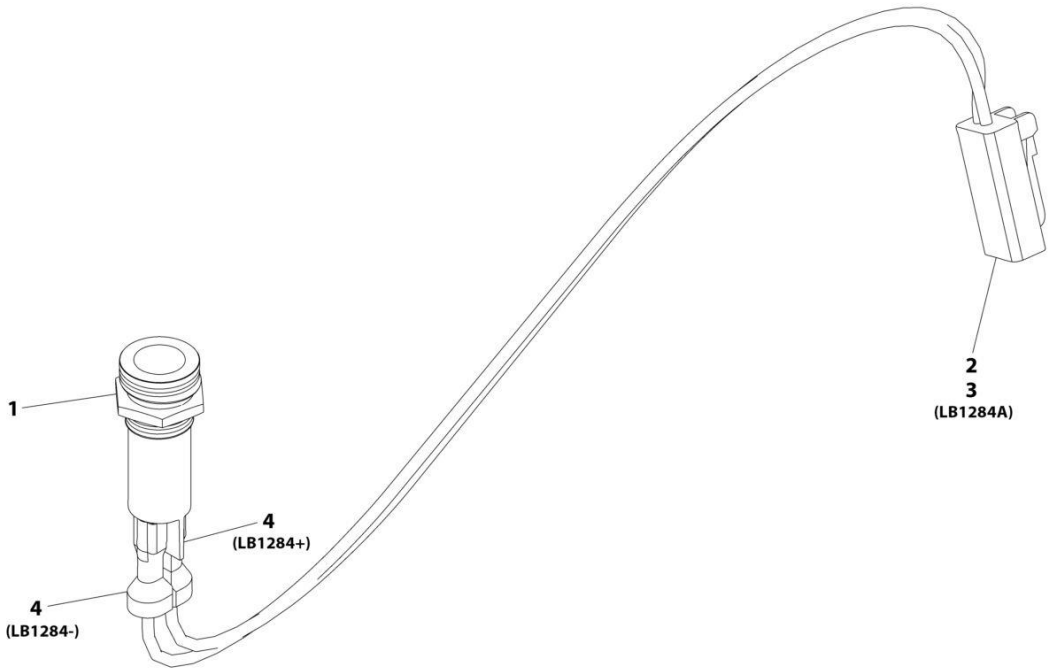


FIGURE 10-50. ENGINE - DEF PURGE LIGHT HARNESS (1075)

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

FIGURE 10-51. ENGINE WIRING INSTALLATION (1075)

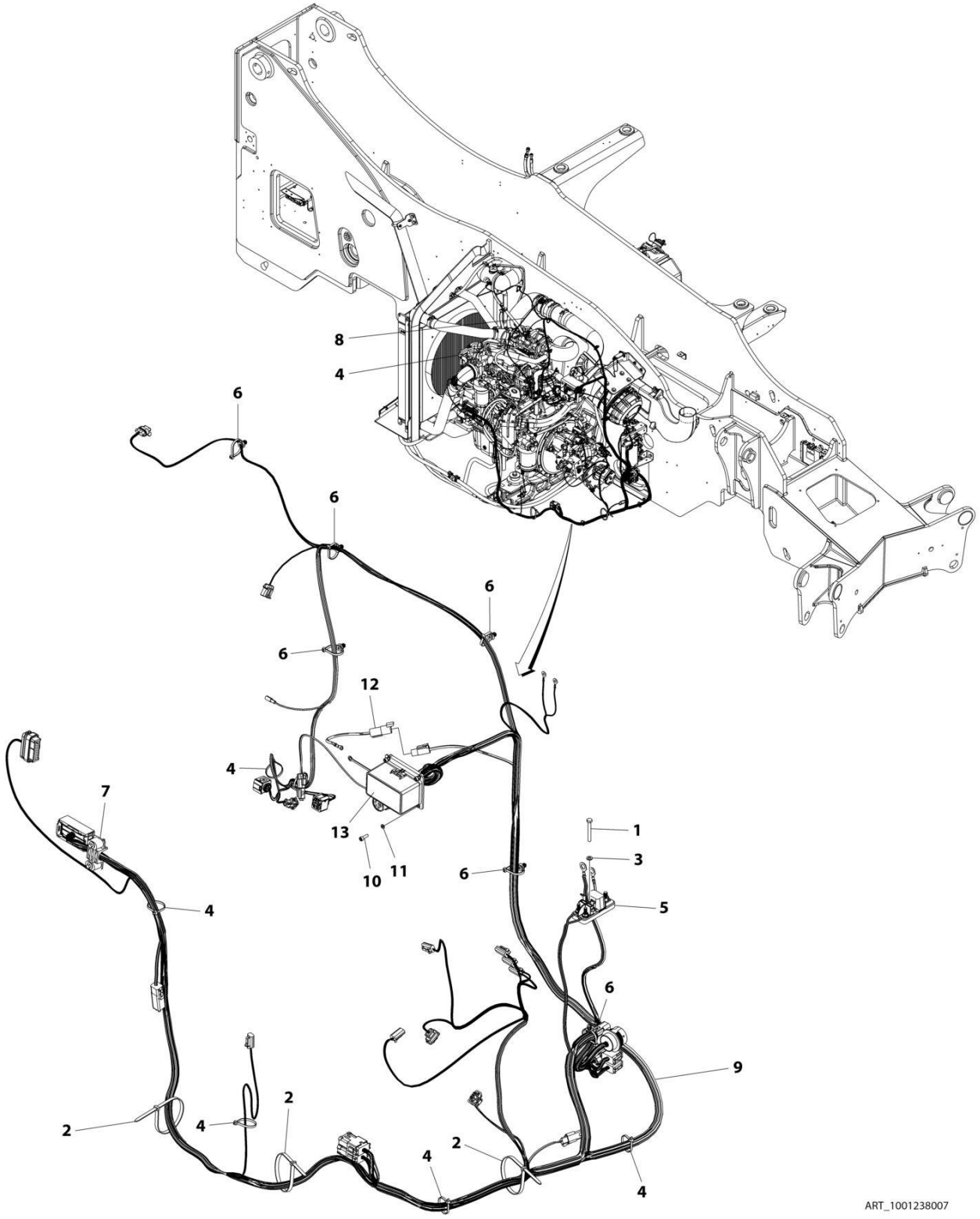


FIGURE 10-51. ENGINE WIRING INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238007	Ref	Engine Wiring Installation	C
1	0700618	1	Bolt, M6X50	
2	1062255	3	Strap, Tie	
3	4811700	1	Washer, M6	
4	1001008559	9	Strap	
5	1001131177	1	Fuse	
6	1001146588	6	Strap, Cable Tie	
7	1001167646	1	Bracket	
8	1001184835	1	Harness, TBAP (See Separate Breakdown in this Section)	
9	1001239953	1	Harness, Engine (See Separate Breakdown in this Section)	
10	4031607	4	Bolt, M5X16	
11	4831600	4	Washer, Lock M5	
12	1001255725	1	Harness, Starter Solenoid Jumper	
13	1001250171	1	Decal, Fuse	

FIGURE 10-52. ENGINE WIRING INSTALLATION (4523)

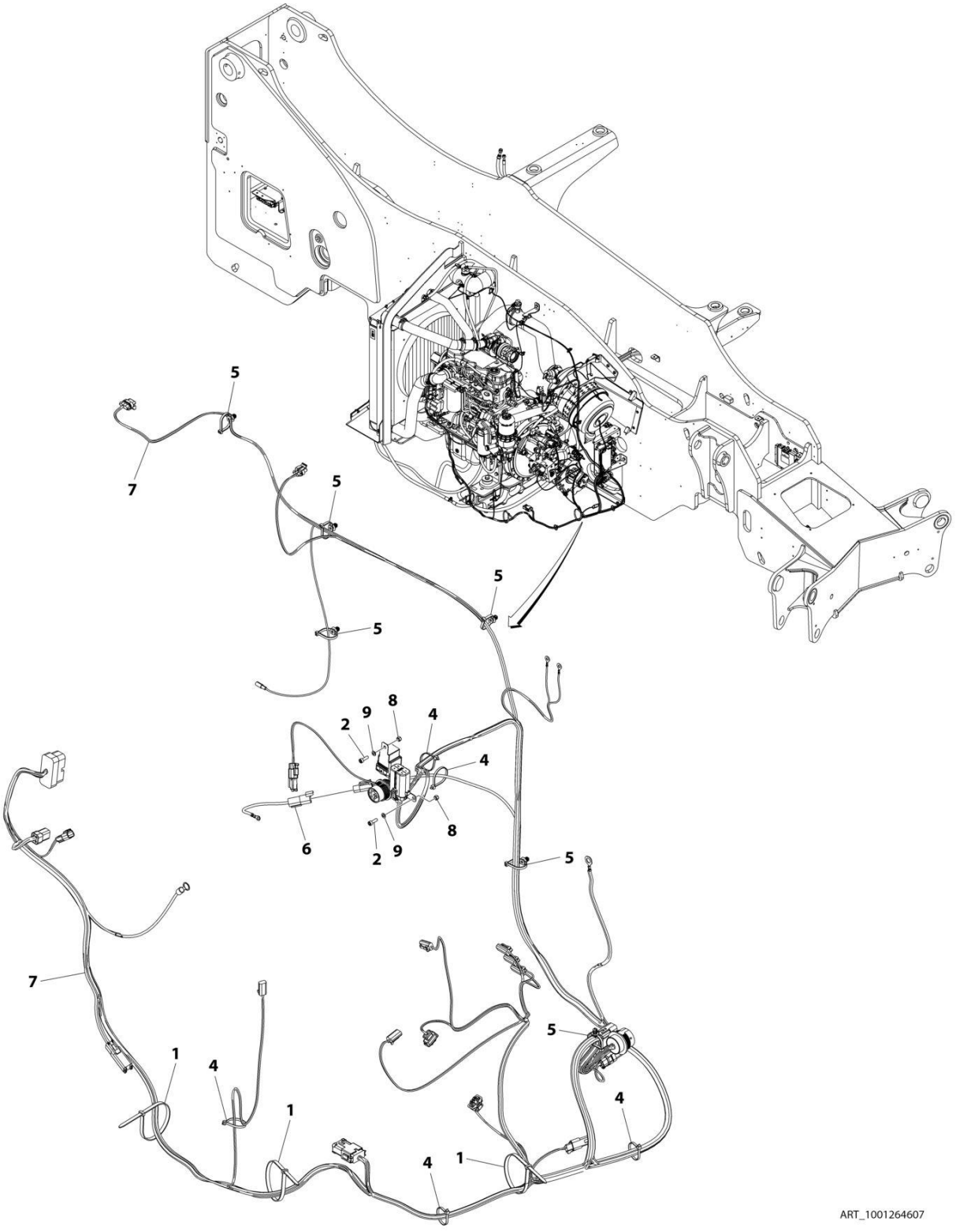


FIGURE 10-52. ENGINE WIRING INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264607	Ref	ENGINE WIRING INSTALLATION	B
1	1062255	3	Tie-Strap	
2	4031607	2	Bolt M5 x 16	
4	1001008559	6	Tie-Strap	
5	1001146588	6	Tie-Strap	
6	1001255725	1	Harness, Starter Solenoid Jumper	
7	1001263770	1	Harness, Engine (See Separate Breakdown in this Section)	
8	3290505	2	Nut M5	
9	4811600	2	Washer M5	

FIGURE 10-53. FRAME ELECTRICAL INSTALLATION

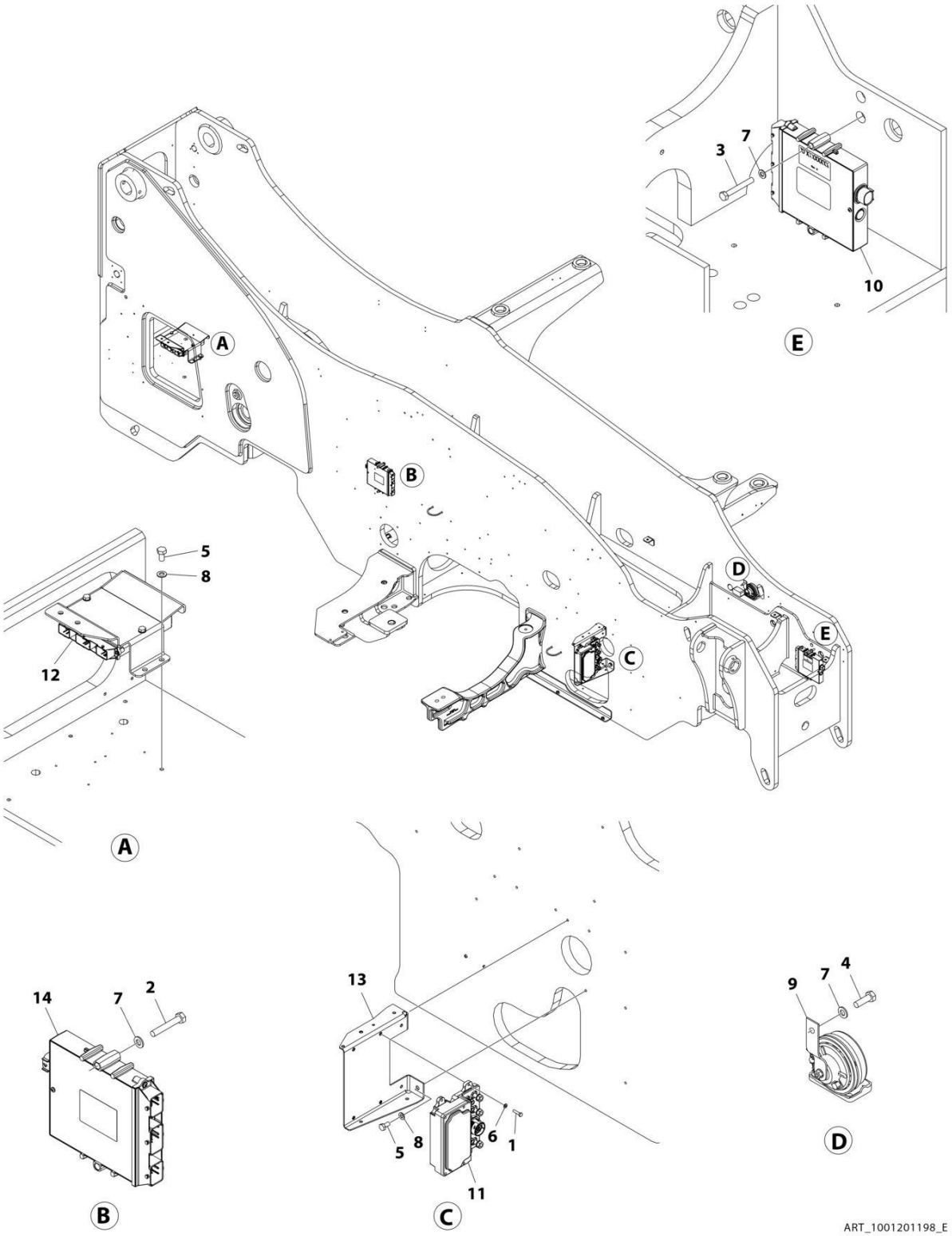


FIGURE 10-53. FRAME ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201198	Ref	FRAME ELECTRICAL INSTALLATION	E
1	0700612	4	Bolt M6 x 25	
2	0700818	2	Bolt M8 x 50	
3	0700820	2	Bolt M8 x 60	
4	0760812	1	Bolt M8 x 25	
5	0761010	4	Bolt M10 x 20	
6	4811700	4	Washer M6	
7	4811900	5	Washer M8	
8	4812000	4	Washer M10	
9	1001264995	1	Horn	
10	1001270467	1	Module, Front Frame	
11	1001164402	1	Box, Power Distribution Electrical (See Separate Breakdown in this Section)	
12	1001210770	1	Rear Frame Module Installation, (See Separate Breakdown in this Section)	
13	1001246929	1	Bracket	
14	1001270486	1	Module, Transmission	

FIGURE 10-54. FRAME - ELECTRICAL POWER DISTRIBUTION BOX

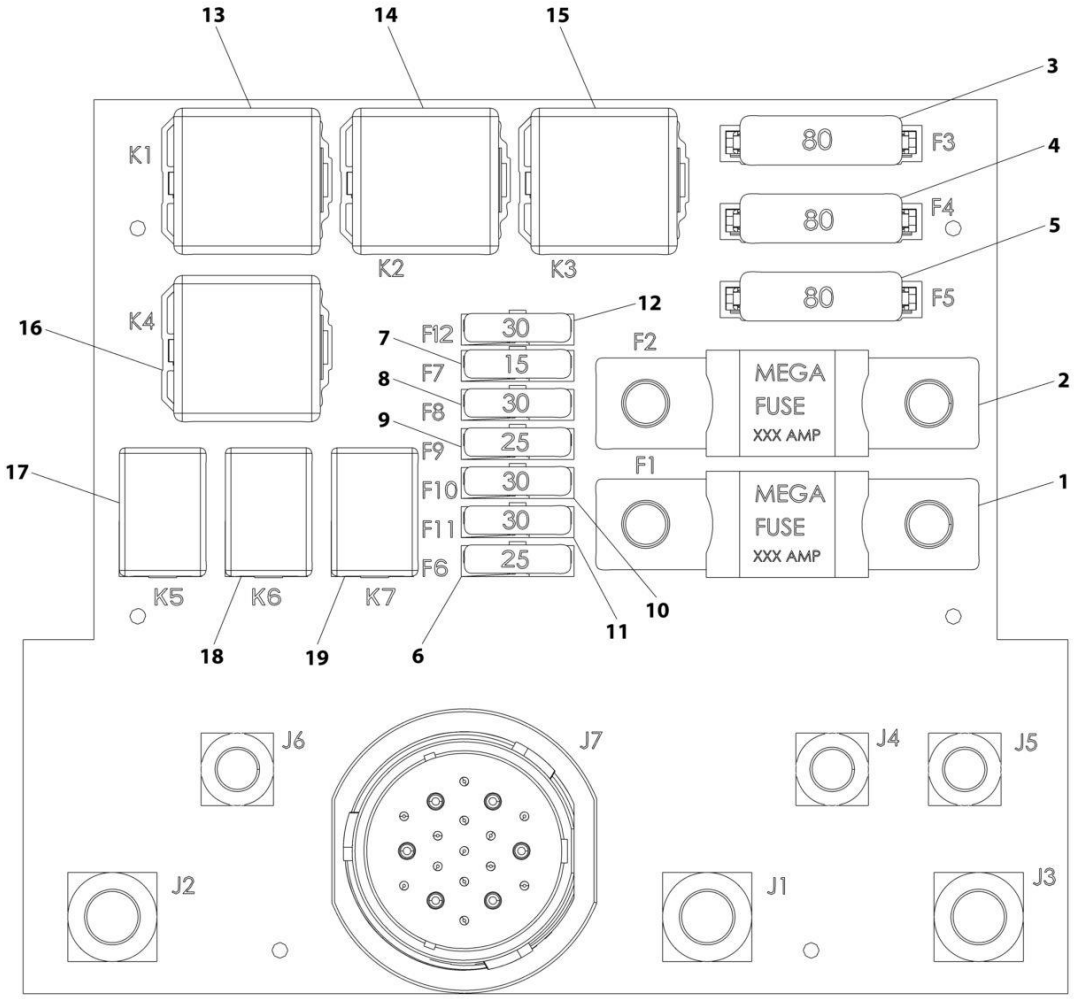


FIGURE 10-54. FRAME - ELECTRICAL POWER DISTRIBUTION BOX

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164402	Ref	Power Distribution Electrical Box	G
1	1001095336	1	Fuse, 150AMP	
2	70026296	1	Fuse, 200AMP	
3	70026297	1	Fuse, 80AMP	
4	70026297	1	Fuse, 80AMP	
5	70026297	1	Fuse, 80AMP	
6	8229247	1	Fuse, 25AMP	
7	8229244	1	Fuse, 15AMP	
8	8229245	1	Fuse, 30AMP	
9	8229247	1	Fuse, 25AMP	
10	8229245	1	Fuse, 30AMP	
11	8229245	1	Fuse, 30AMP	
12	8229245	1	Fuse, 30AMP	
13	70026294	1	Fuse, 70AMP	
14	70026294	1	Fuse, 70AMP	
15	70026294	1	Fuse, 70AMP	
16	70026294	1	Fuse, 70AMP	
17	70026295	1	Fuse, 35AMP	
18	70026295	1	Fuse, 35AMP	
19	70026295	1	Fuse, 35AMP	

FIGURE 10-55. FRAME WIRING INSTALLATION (1075)

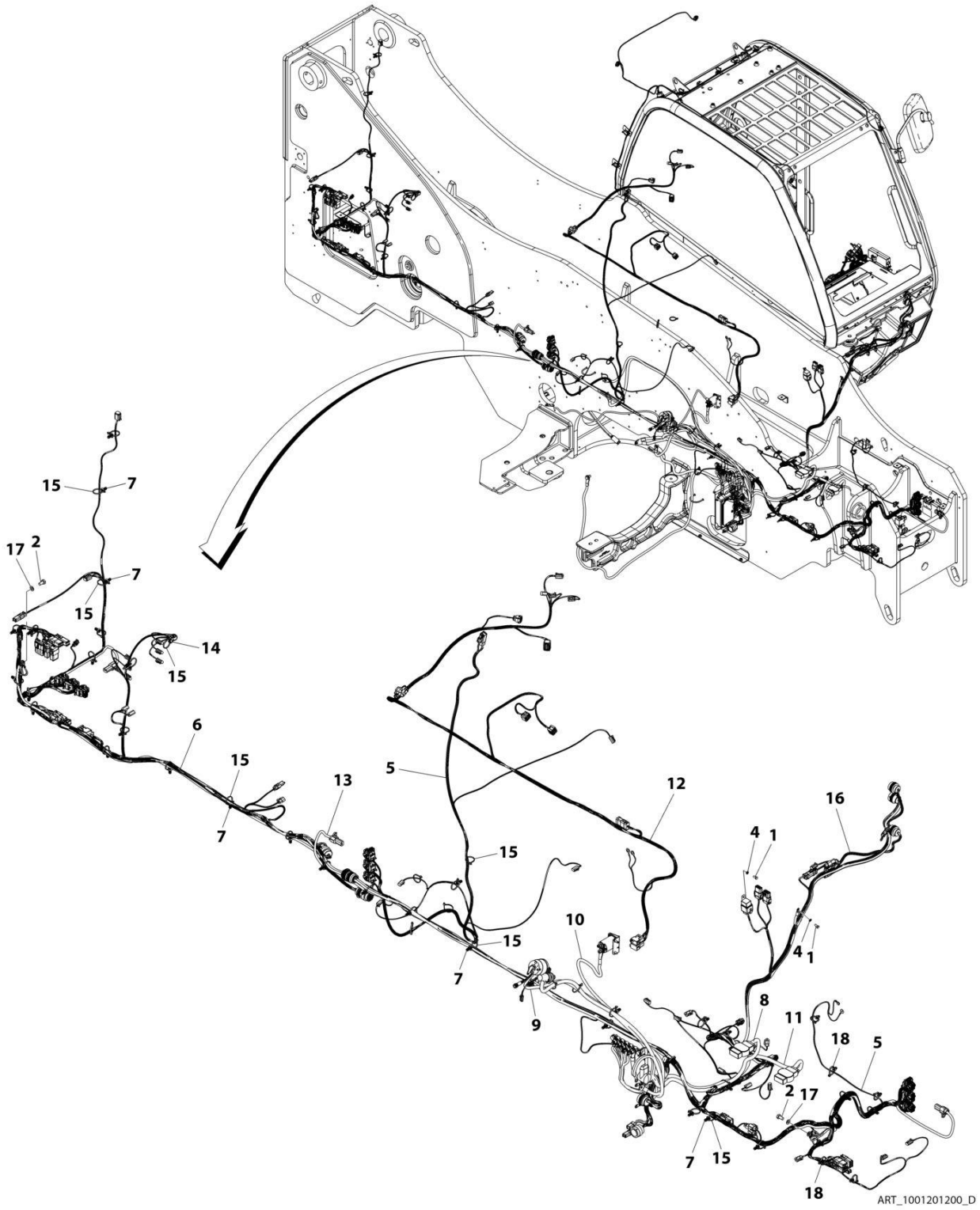


FIGURE 10-55. FRAME WIRING INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201200	Ref	FRAME WIRING INSTALLATION	D
1	0760607	2	Bolt, M6X14	
2	0761010	2	Bolt, M10X20	
4	4811700	2	Washer, M6	
5	1001281912	1	Harness, Front Frame (See Separate Breakdown in this Section)	
6	1001259494	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
7	1001202986	37	Strap Push Mount	
8	1001239059	1	Cable, Battery + to Battery Disconnect	
9	1001239060	1	Cable Battery Disconnect to PDM	
10	1001239128	1	Cable, PDM to Grid Heater	
11	1001239185	1	Cable, Battery Negative	
12	1001239954	1	Harness, Cummins Engine (See Separate Breakdown in this Section)	
13	1001245231	1	Harness, Front Frame Power (See Separate Breakdown in this Section)	
14	1001004723	2	Saddle	
15	1001008559	50	Tie, Strap	
16	1001243044	1	Harness, Cab Option (See Separate Breakdown in this Section)	
17	4812000	2	Washer, M10	
18	1001146588	5	Strap, Cable Tie	

FIGURE 10-56. FRAME WIRING INSTALLATION (4523)

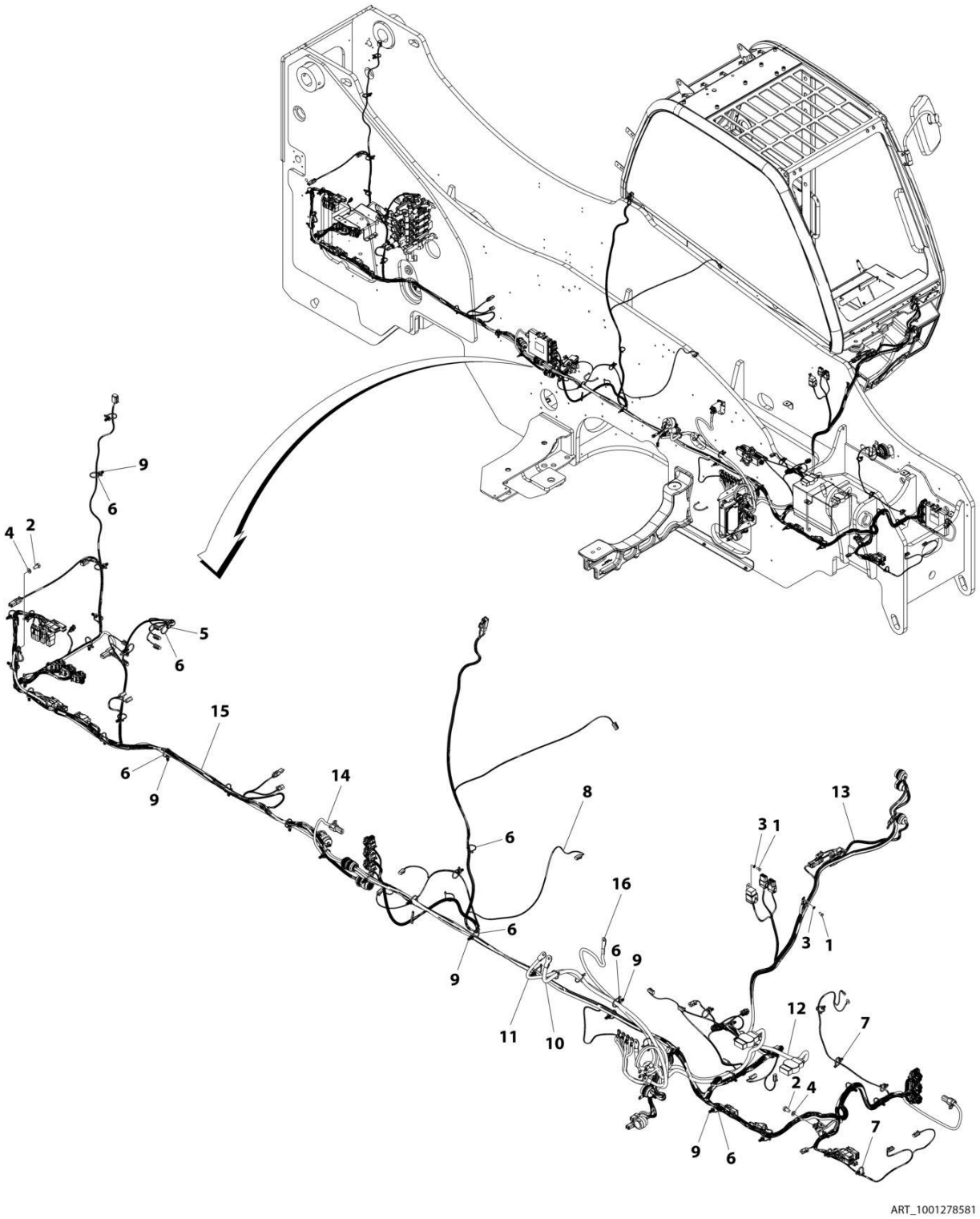


FIGURE 10-56. FRAME WIRING INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001278581	Ref	FRAME WIRING INSTALLATION	B
1	0760607	2	Bolt M6 x 14	
2	0761010	2	Bolt M10 x 20	
3	4811700	2	Washer M6	
4	4812000	2	Washer M10	
5	1001004723	2	Saddle	
6	1001008559	46	Tie-Strap	
7	1001146588	5	Tie-Strap	
8	1001281912	1	Harness, Front Frame (See Separate Breakdown in this Section)	
9	1001202986	36	Strap Push Mount	
10	1001239059	1	Cable, Battery + to Battery Disconnect	
11	1001239060	1	Cable Battery Disconnect to PDM	
12	1001239185	1	Cable, Battery Negative	
13	1001243044	1	Harness, Cab Option (See Separate Breakdown in this Section)	
14	1001245231	1	Harness, Front Frame Power (See Separate Breakdown in this Section)	
15	1001259494	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
16	1001264165	1	Cable, PDM to Grid Heater	

FIGURE 10-57. FRAME - FRONT FRAME HARNESS

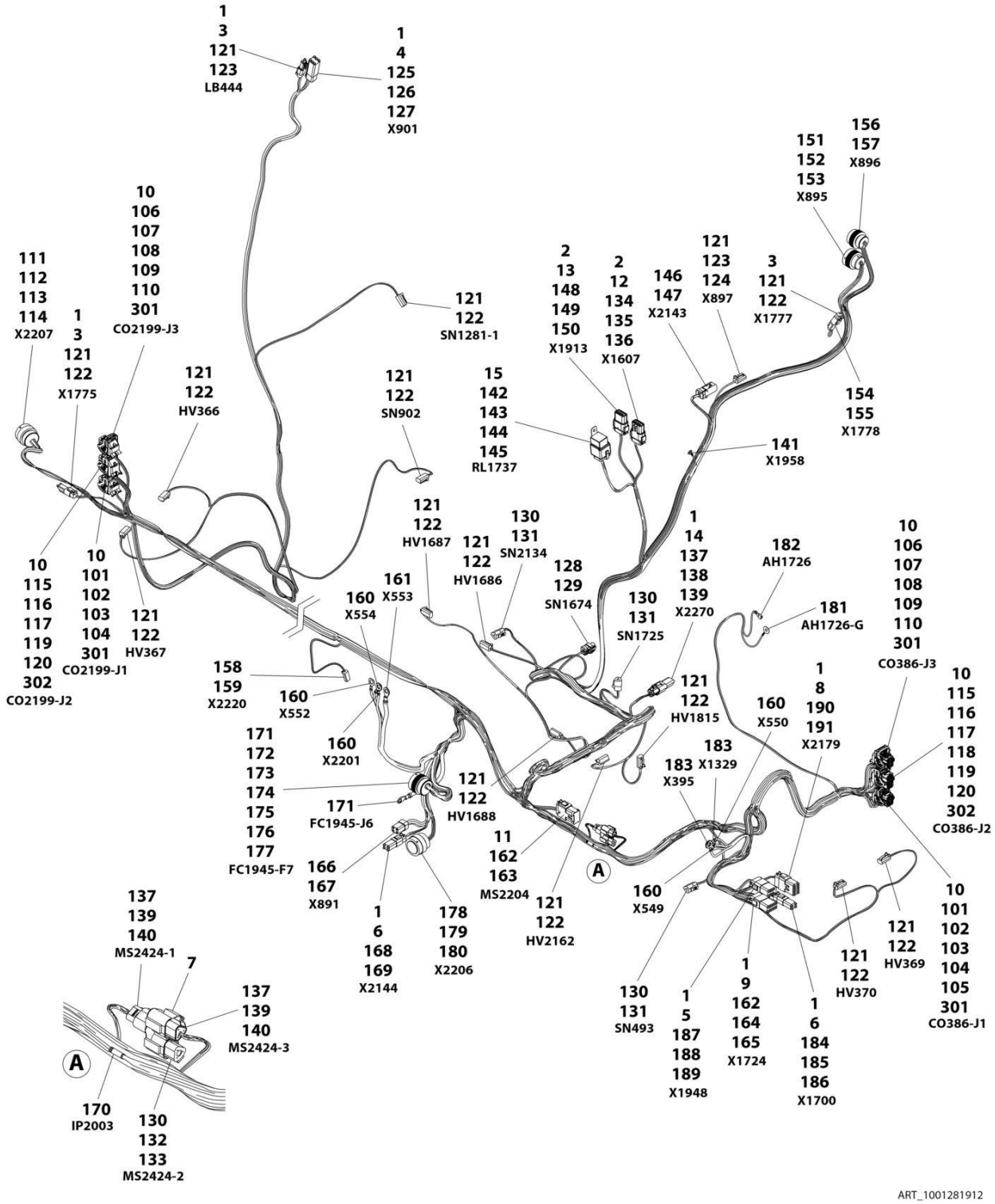


FIGURE 10-57. FRAME - FRONT FRAME HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281912	Ref	FRONT FRAME HARNESS	A
1	4460466	53	Plug, Terminal	
2	4460518	24	Plug, Terminal	
3	4460897	3	Connector, 2-Position	
4	4460899	1	Connector, 6-Position	
5	4460931	1	Connector, 8-Position	
6	4460932	2	Connector, 4-Position	
7	4460945	1	Receptacle, 3-Way	
8	4460950	1	Connector, 12-Position	
9	4460970	1	Connector, 12-Position	
10	1001008559	6	Tie-Strap	
11	1001125677	1	Connector, 2 x 6 Buss Bar	
12	1001132169	1	Connector, 12-Position	
13	1001132170	1	Connector, 12-Position	
14	1001144147	1	Connector, 3-Position	
15	3740080	1	Relay	
101	1001161958	2	Connector, 32-Position	
102	1001161097	18	Terminal	
103	1001161100	30	Plug	
104	1001161101	12	Plug	
105	1001161098	4	Terminal	
106	1001160499	2	Connector, 32-Position	
107	1001161097	22	Terminal	
108	1001161100	28	Plug	
109	1001161101	8	Plug	
110	1001161099	8	Terminal	
111	1001147923	1	Connector, 23-Position	
112	4460465	11	Terminal	
113	4460942	2	Terminal	
114	4460466	10	Plug	
115	1001161964	2	Connector, 32-Position	
116	1001161097	30	Terminal	
117	1001161099	9	Terminal	
118	1001161098	1	Terminal	
119	1001161100	48	Plug	
120	1001161101	6	Plug	
121	4460891	15	Connector, 2-Position	
122	4460465	26	Terminal	
123	4460942	3	Terminal	
124	4460466	1	Plug, Terminal	
125	4460894	1	Connector, 6-Position	
126	4460942	4	Terminal	
127	4460465	2	Terminal	
128	1001116950	1	Connector, 2-Position	
129	4460465	2	Terminal	
130	4460539	4	Connector, 3-Position	
131	4460465	8	Terminal	
132	4460944	2	Terminal	
133	4460466	1	Plug, Terminal	
134	1001116774	1	Connector, 12-Position	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
135	1001126008	2	Terminal	
136	4460518	10	Plug	
137	1001116812	3	Connector, 3-Position	
138	4460465	2	Terminal	
139	4460466	3	Plug	
140	4460944	4	Terminal	
141	1001207173	1	Terminal, Ring	
142	1001231398	1	Connector, 5-Position	
143	1001231400	4	Terminal	
144	1001231404	4	Seal	
145	1001231406	1	Plug, Terminal	
146	1001195689	1	Connector, 4-Position	
147	4460464	4	Terminal	
148	1001116808	1	Connector, 12-Position	
149	1001126008	3	Terminal	
150	4460518	9	Plug	
151	1001118323	1	Connector, 6-Position	
152	4460942	4	Terminal	
153	91013192	2	Terminal	
154	4460897	1	Connector, 2-Position	
155	4460464	2	Terminal	
156	4461015	1	Connector, 14-Position	
157	4460465	14	Terminal	
158	4461290	1	Connector, 2-Position	
159	4460928	2	Terminal	
160	1001187079	5	Terminal, Ring	
161	1001187076	1	Terminal, Ring	
162	4460933	1	Connector, 12-Position	
163	4460465	12	Terminal	
164	4460942	10	Terminal	
165	4460466	2	Plug, Terminal	
166	1001116810	1	Connector, 4-Position	
167	1001150611	4	Terminal	
168	4460884	1	Connector, 4-Position	
169	4460465	4	Terminal	
170		Ref	Diode	
171	1001187075	1	Terminal, Ring (Includes Boot)	
172	1001165309	1	Connector, 19-Position	
173	4460465	9	Terminal	
174	4460942	2	Terminal	
175	4460509	3	Terminal	
176	1001150611	3	Terminal	
177	4460466	2	Plug	
178	1001147923	1	Connector, 23-Position	
179	4460465	21	Terminal	
180	4460466	2	Plug	
181	1001187073	1	Terminal, Ring	
182	8220051	1	Terminal, Ring	
183	1001187080	2	Terminal, Ring	
184	4460884	1	Connector, 4-Position	
185	4460465	3	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
186	4460942	1	Terminal	
187	4460930	1	Connector, 8-Position	
188	4460465	6	Terminal	
189	4460466	2	Plug	
190	4460836	1	Connector, 12-Position	
191	4460465	12	Terminal	
301	643191201	4	Cover	
302	643201301	2	Cover	

FIGURE 10-58. FRAME - FRONT FRAME POWER HARNESS

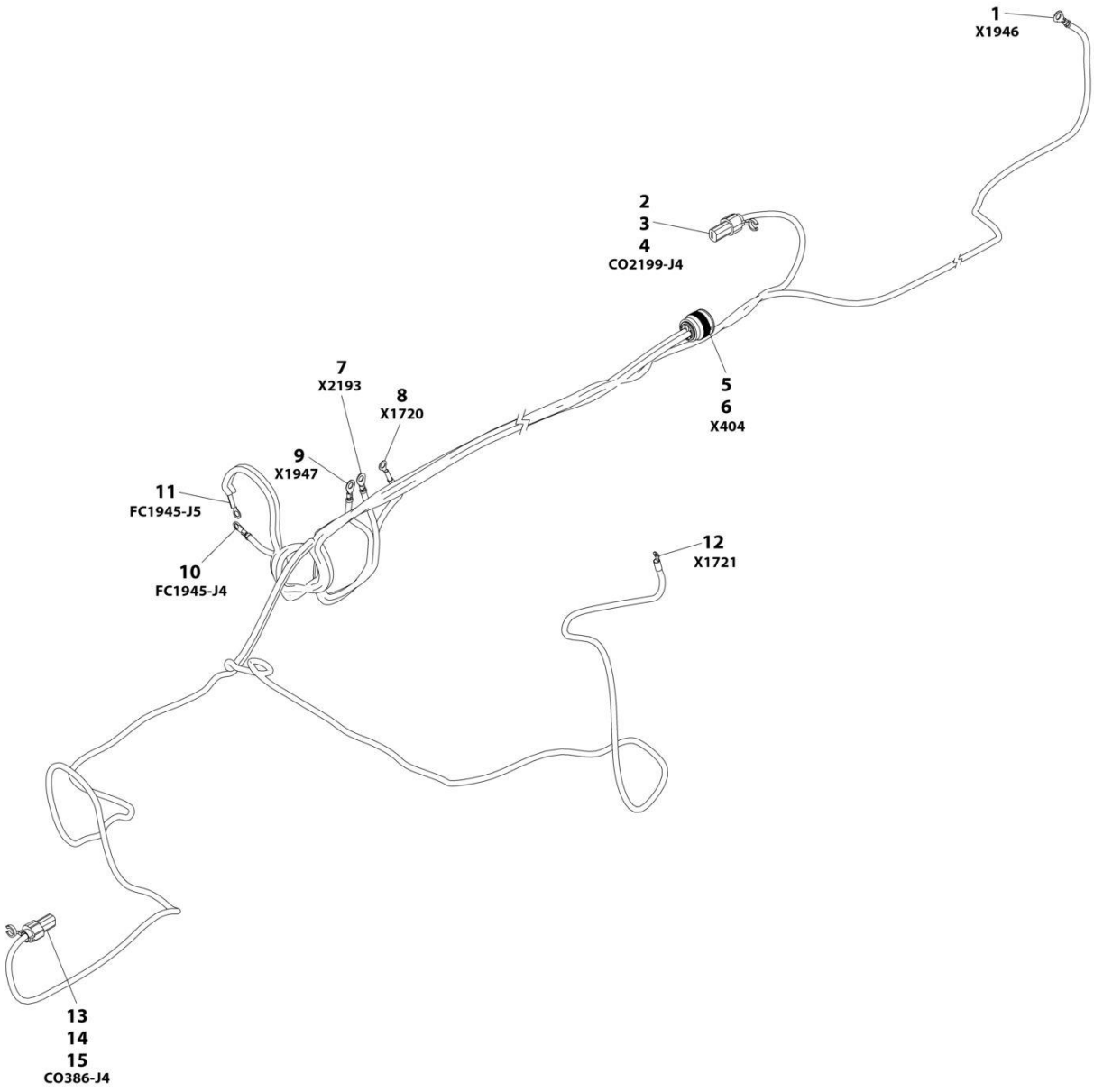


FIGURE 10-58. FRAME - FRONT FRAME POWER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245231	Ref	Front Frame Power Harness	C
1	1001187076	1	Terminal, Ring	
2	1001160509	1	Connector	
3	1001160510	1	Terminal	
4	1001175267	1	Seal	
5	1001165310	1	Connector	
6	91013192	2	Terminal	
7	1001187076	1	Terminal, Ring	
8	1001187076	1	Terminal, Ring	
9	1001187076	1	Terminal, Ring	
10	1001187075	1	Terminal, Ring	
11	1001128127	1	Terminal, Ring	
12	1001187075	1	Terminal, Ring	
13	1001160509	1	Connector	
14	1001160510	1	Terminal	
15	1001175267	1	Seal	

FIGURE 10-59. FRAME - REAR FRAME HARNESS

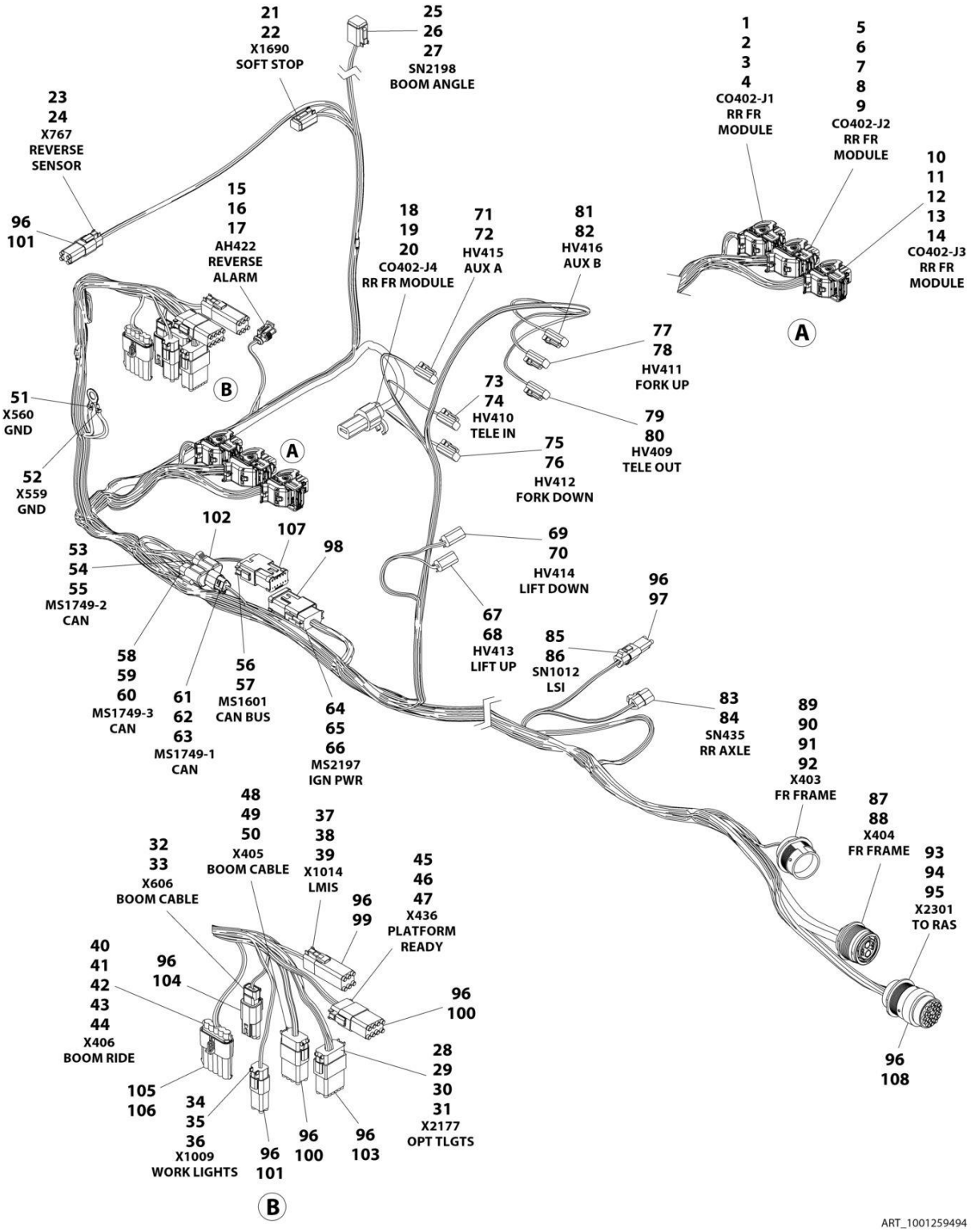


FIGURE 10-59. FRAME - REAR FRAME HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259494	Ref	Front Frame Harness	A
1	1001161958	1	Connector	
2	1001161097	11	Terminal	
3	1001161100	13	Plug	
4	1001161101	8	Plug	
5	1001161964	1	Connector	
6	1001161097	28	Terminal	
7	1001161099	6	Terminal	
8	1001161100	12	Plug	
9	1001161101	2	Plug	
10	1001160499	1	Connector	
11	1001161097	8	Terminal	
12	1001161099	7	Terminal	
13	1001161100	16	Plug	
14	1001161101	1	Plug	
15	4461118	1	Connector	
16	1001107854	2	Terminal	
17	1001116763	2	Seal	
18	1001160509	1	Connector	
19	1001160510	1	Terminal	
20	1001175267	1	Seal	
21	4460884	1	Connector	
22	4460465	4	Terminal	
23	4460884	1	Connector	
24	4460465	4	Terminal	
25	4460894	1	Connector	
26	4460465	4	Terminal	
27	4460466	2	Plug	
28	4460933	1	Connector	
29	4460942	8	Terminal	
30	4460465	2	Terminal	
31	4460466	2	Plug	
32	4461018	1	Connector	
33	4460509	2	Terminal	
34	4460884	1	Connector	
35	4460465	2	Terminal	
36	4460466	2	Plug	
37	4460894	1	Connector	
38	4460465	3	Terminal	
39	4460466	3	Plug	
40	1001121726	1	Connector	
41	4460744	4	Terminal	
42	1001116727	1	Plug	
43	1001189877	3	Seal	
44	4460458	1	Terminal Seal	
45	4460930	1	Connector	
46	4460465	6	Terminal	
47	4460466	2	Plug	
48	4460930	1	Connector	
49	4460465	6	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460466	2	Plug	
51	1001187080	1	Ring, Terminal	
52	1001187080	1	Ring, Terminal	
53	4460539	1	Connector	
54	4460944	2	Terminal	
55	4460466	1	Plug	
56	4460933	1	Connector	
57	4460465	12	Terminal	
58	1001116812	1	Connector	
59	4460944	2	Terminal	
60	4460466	1	Plug	
61	1001116812	1	Connector	
62	4460944	2	Terminal	
63	4460466	1	Plug	
64	4460836	1	Connector	
65	4460944	10	Terminal	
66	4460466	2	Plug	
67	4460891	1	Connector	
68	4460465	2	Terminal	
69	4460891	1	Connector	
70	4460465	2	Terminal	
71	4460891	1	Connector	
72	4460465	2	Terminal	
73	4460891	1	Connector	
74	4460465	2	Terminal	
75	4460891	1	Connector	
76	4460465	2	Terminal	
77	4460891	1	Connector	
78	4460465	2	Terminal	
79	4460891	1	Connector	
80	4460465	2	Terminal	
81	4460891	1	Connector	
82	4460465	2	Terminal	
83	4460539	1	Connector	
84	4460944	3	Terminal	
85	4460539	1	Connector	
86	4460465	3	Terminal	
87	1001165311	1	Connector	
88	91013191	2	Terminal	
89	1001148106	1	Connector	
90	4460464	11	Terminal	
91	4460941	1	Terminal	
92	4460466	11	Plug	
93	1001148106	1	Connector	
94	4460464	22	Terminal	
95	4460466	1	Plug	
96	4460466	70	Plug	
97	4460536	1	Terminal	
98	4460837	1	Connector, Housing	
99	4460899	1	Terminal	
100	4460931	2	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460932	2	Connector	
102	4460945	1	Terminal	
103	4460970	1	Connector	
104	4461017	1	Connector	
105	1001116727	5	Plug	
106	1001121727	1	Connector	
107	1001125677	1	Connector	
108	1001147923	1	Connector	

FIGURE 10-60. FRAME - REAR FRAME MODULE INSTALLATION

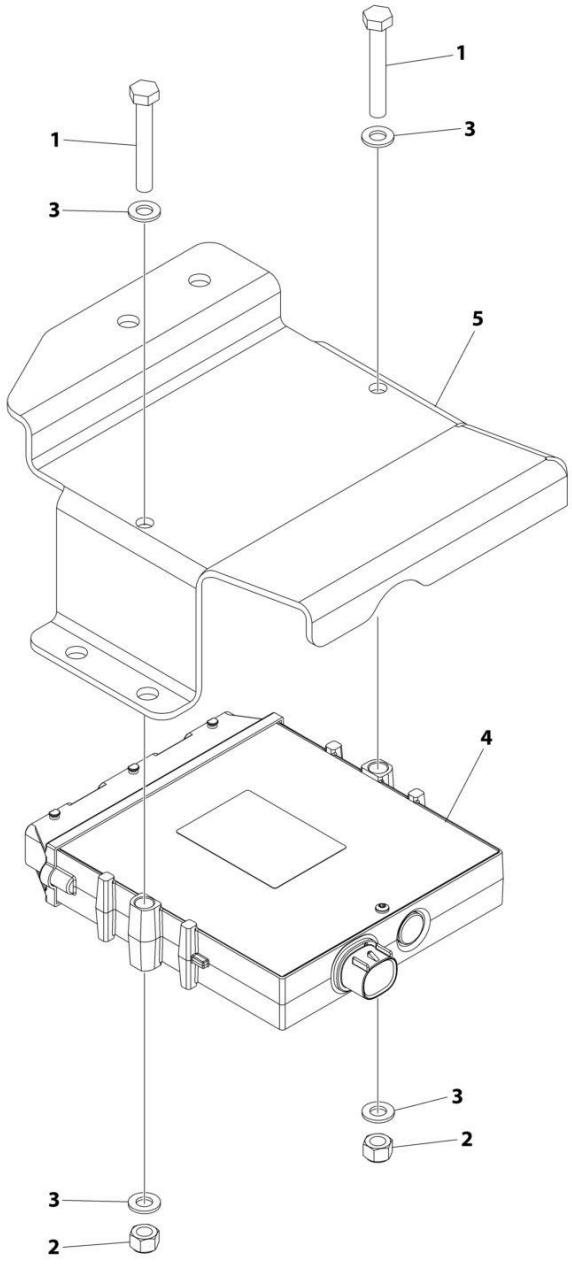


FIGURE 10-60. FRAME - REAR FRAME MODULE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210770	Ref	REAR FRAME MODULE INSTALLATION	E
1	0700819	2	Bolt M8 x 55	
2	3290805	2	Nut M8 x 1.25	
3	4811900	4	Washer M8	
4	1001270468	1	Control, Rear Frame Module	
5	1001255581	1	Bracket	

FIGURE 10-61. FRAME - REAR AXLE STABILIZER HARNESS (RAS)

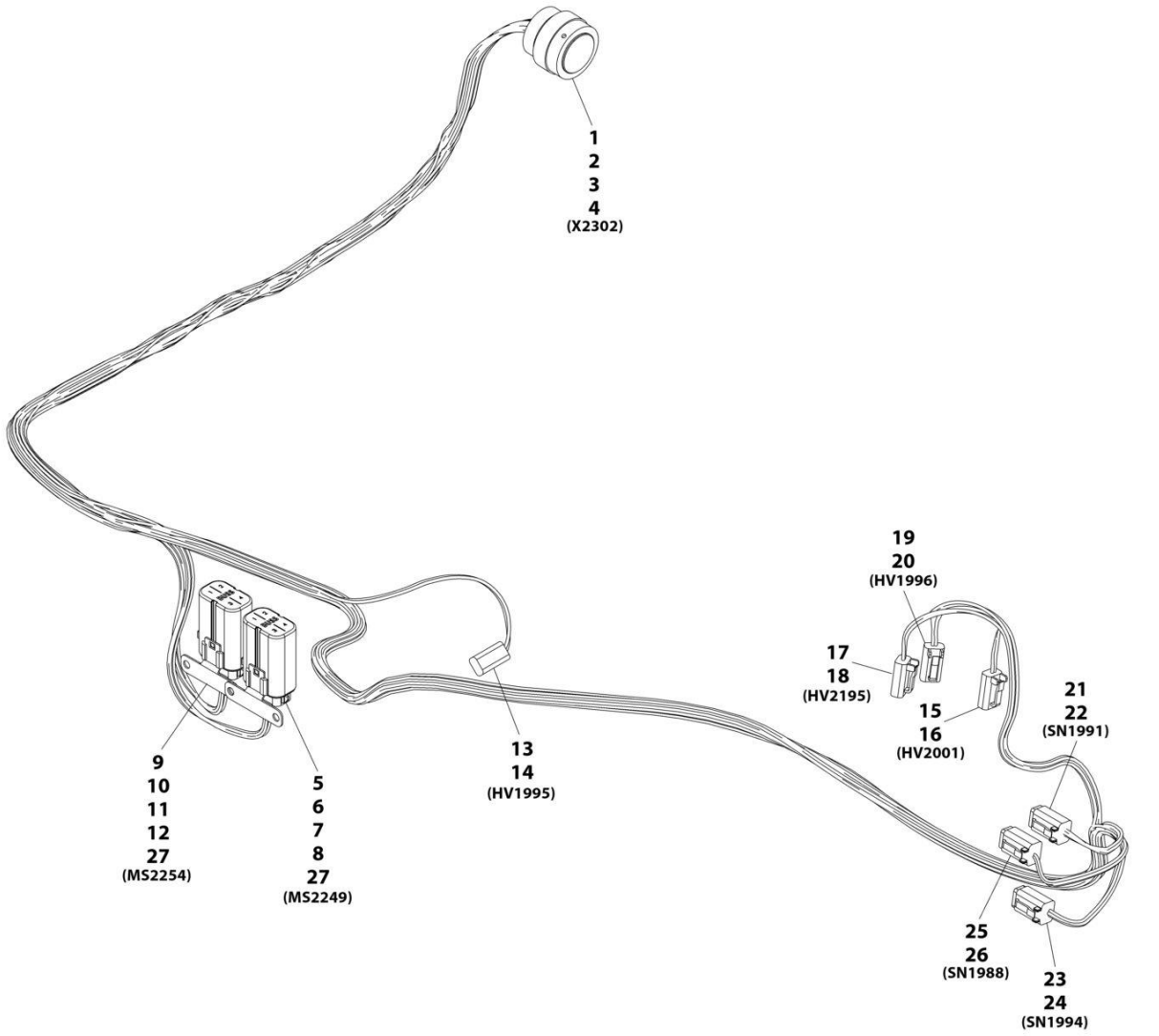


FIGURE 10-61. FRAME - REAR AXLE STABILIZER HARNESS (RAS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259495	Ref	REAR AXLE STABILIZER HARNESS	D
1	1001147923	1	Connector	
2	4460465	21	Terminal	
3	4460942	1	Terminal	
4	4460466	1	Plug	
5	1001184551	1	Connector	
6	4460746	6	Terminal	
7	4460748	2	Plug	
8	1001189877	6	Seal	
9	1001184551	1	Connector	
10	4460746	6	Terminal	
11	4460748	2	Plug	
12	1001189877	6	Seal	
13	4460891	1	Connector	
14	4460465	2	Terminal	
15	4460891	1	Connector	
16	4460465	2	Terminal	
17	4460891	1	Connector	
18	4460465	2	Terminal	
19	4460891	1	Connector	
20	4460465	2	Terminal	
21	1001220379	1	Connector	
22	4460465	4	Terminal	
23	1001220379	1	Connector	
24	4460465	4	Terminal	
25	1001220379	1	Connector	
26	4460465	4	Terminal	
27	1001250120	6	Resistor	

FIGURE 10-62. FRAME - RIDE CONTROL WIRING INSTALLATION

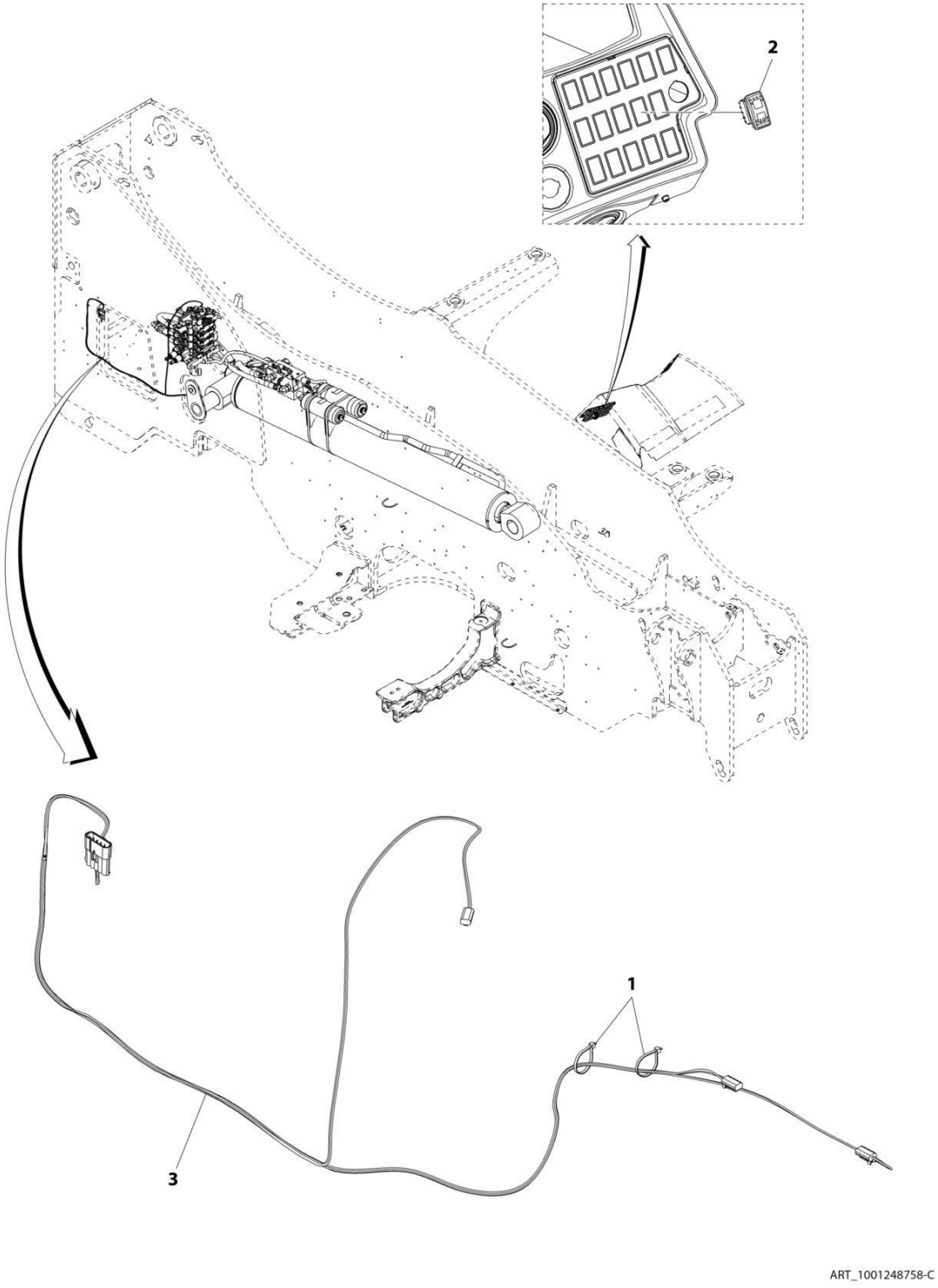
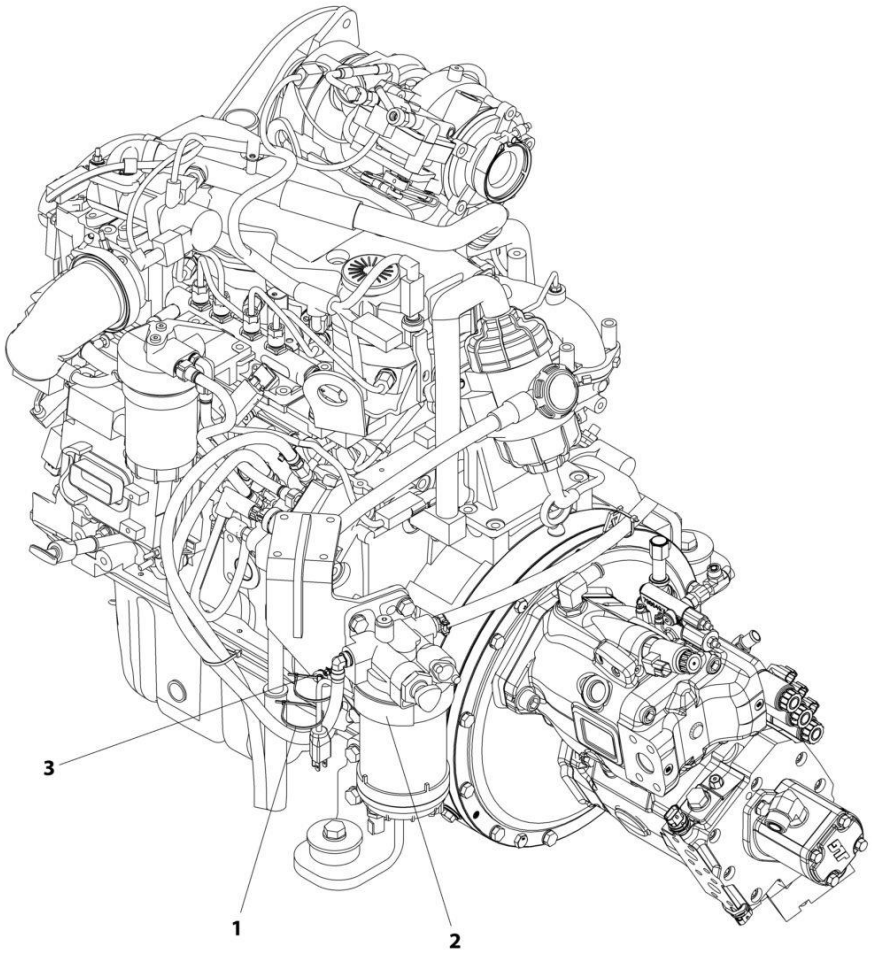


FIGURE 10-62. FRAME - RIDE CONTROL WIRING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248758	Ref	Ride Control Wiring Installation	C
1	1001008559	2	Strap, Cable	
2	1001159745	1	Switch, Boom Ride	
3	1001246832	1	Harness, Boom Ride/Float (See Separate Breakdown in this Section)	

FIGURE 10-63. HEATER INSTALLATION - FUEL FILTER



ART_1001247501-A

FIGURE 10-63. HEATER INSTALLATION - FUEL FILTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247501	Ref	Fuel Filter Heater Installation	A
1	4240099	2	Strap, Tie	
2	1001202498	1	Pad	
3	1001202986	1	Strap, Fir Tree Push Mount	

FIGURE 10-64. HEATER INSTALLATION - HYDRAULIC TANK

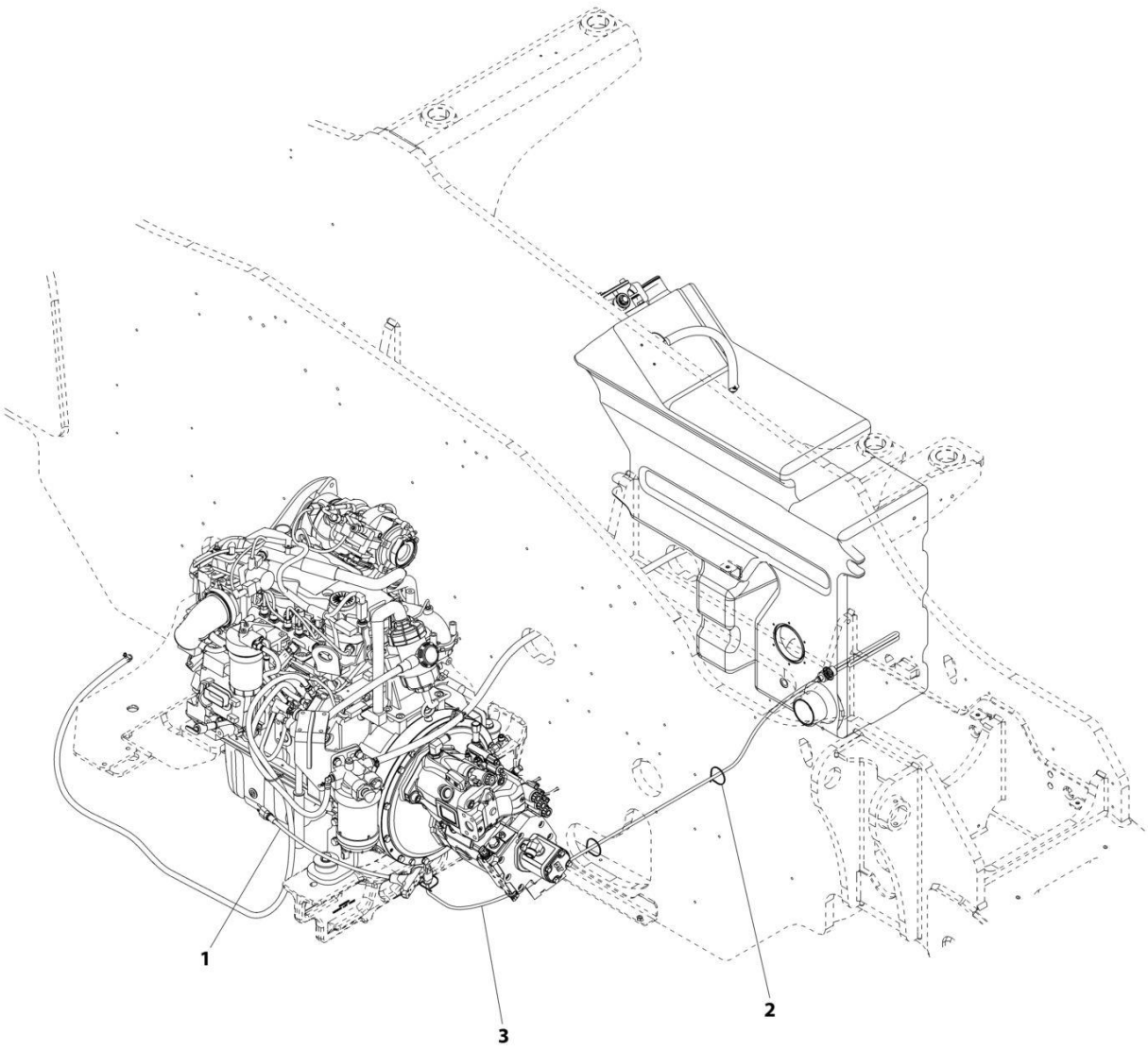
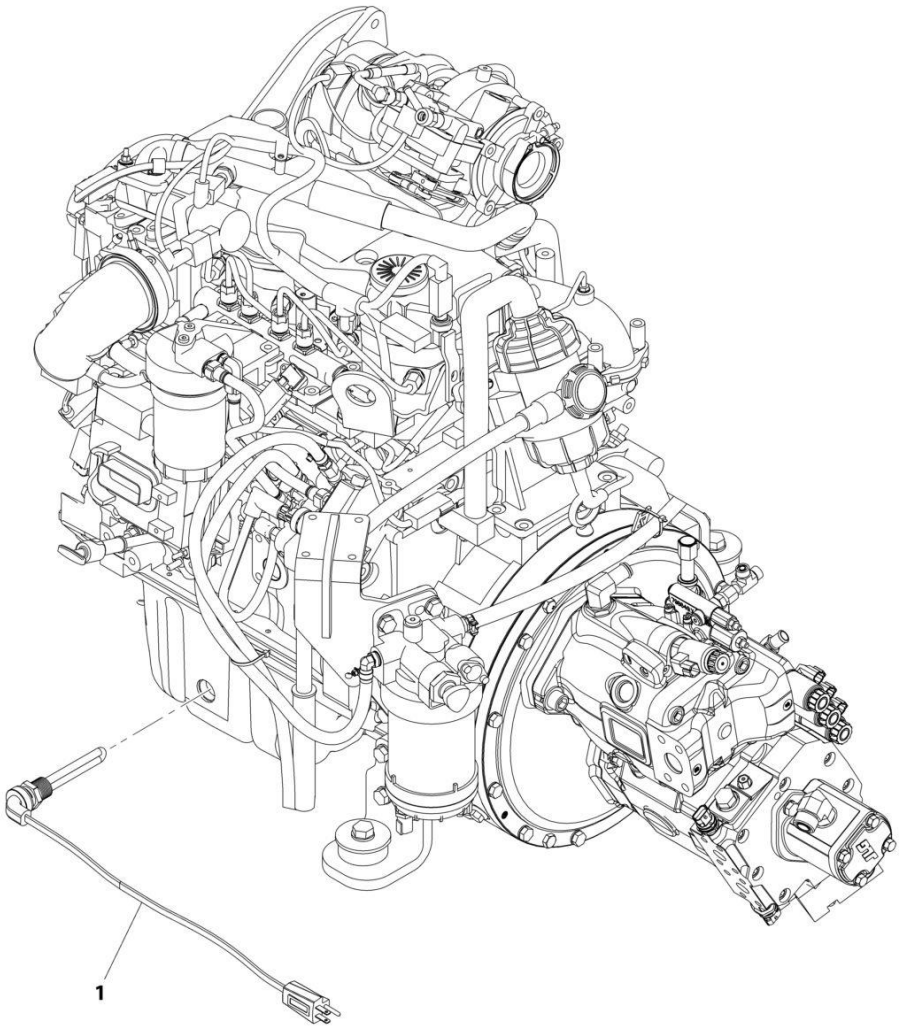


FIGURE 10-64. HEATER INSTALLATION - HYDRAULIC TANK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247917	Ref	Hydraulic Tank Heater Installation	A
1	1060626	1	Cord, 3-Way Extension	
2	4240099	3	Strap, Tie	
3	1001105886	1	Heater, Immersion	

FIGURE 10-65. HEATER INSTALLATION - OIL PAN



ART_1001247528-A

FIGURE 10-65. HEATER INSTALLATION - OIL PAN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247528	Ref	Oil Pan Heater Installation	A
1	2580062	1	Heater, Engine Block	

FIGURE 10-66. HVAC ACTUATOR HARNESS

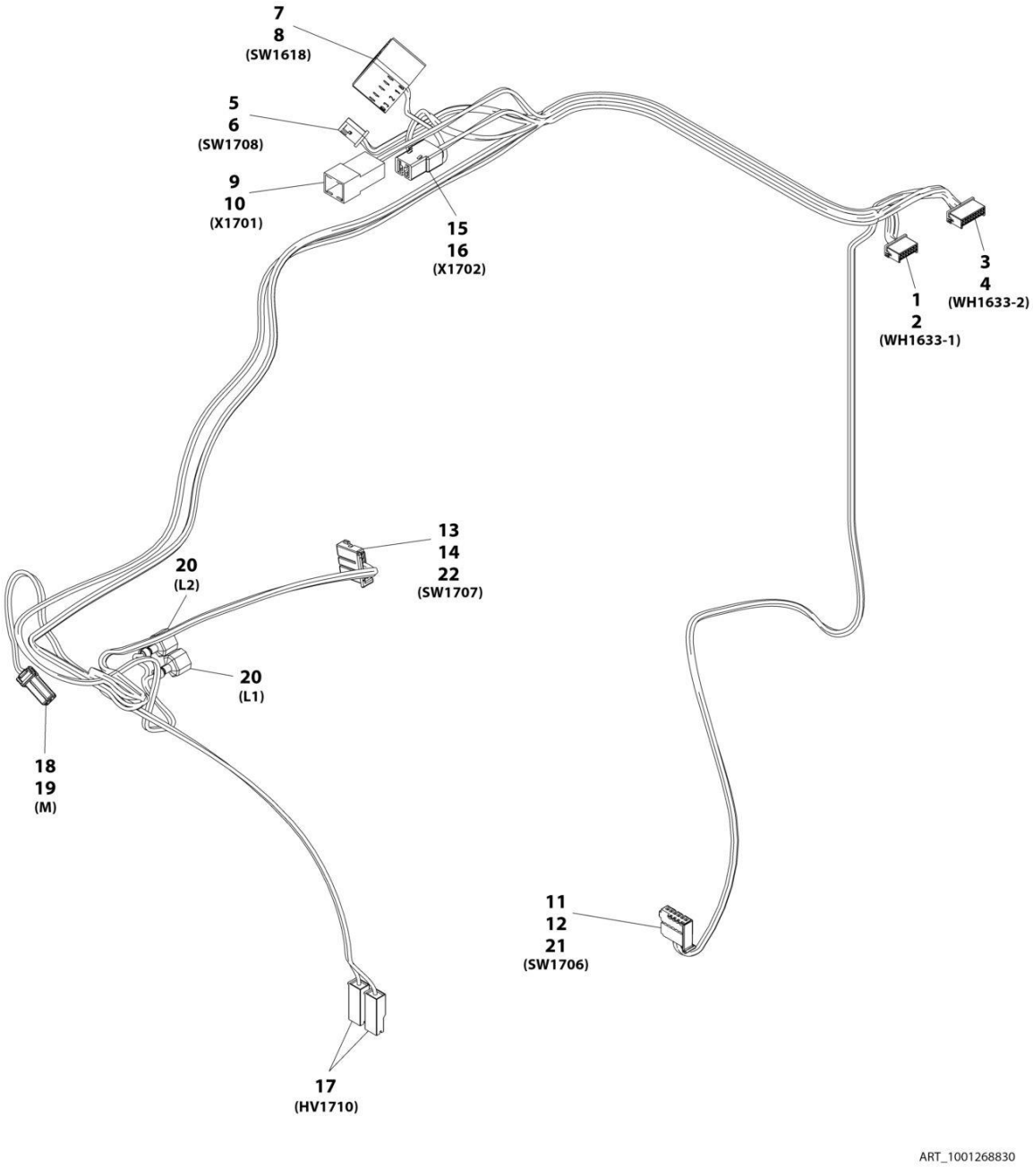


FIGURE 10-66. HVAC ACTUATOR HARNESS

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 10-67. LIGHTS - BOOM WORKLIGHTS INSTALLATION

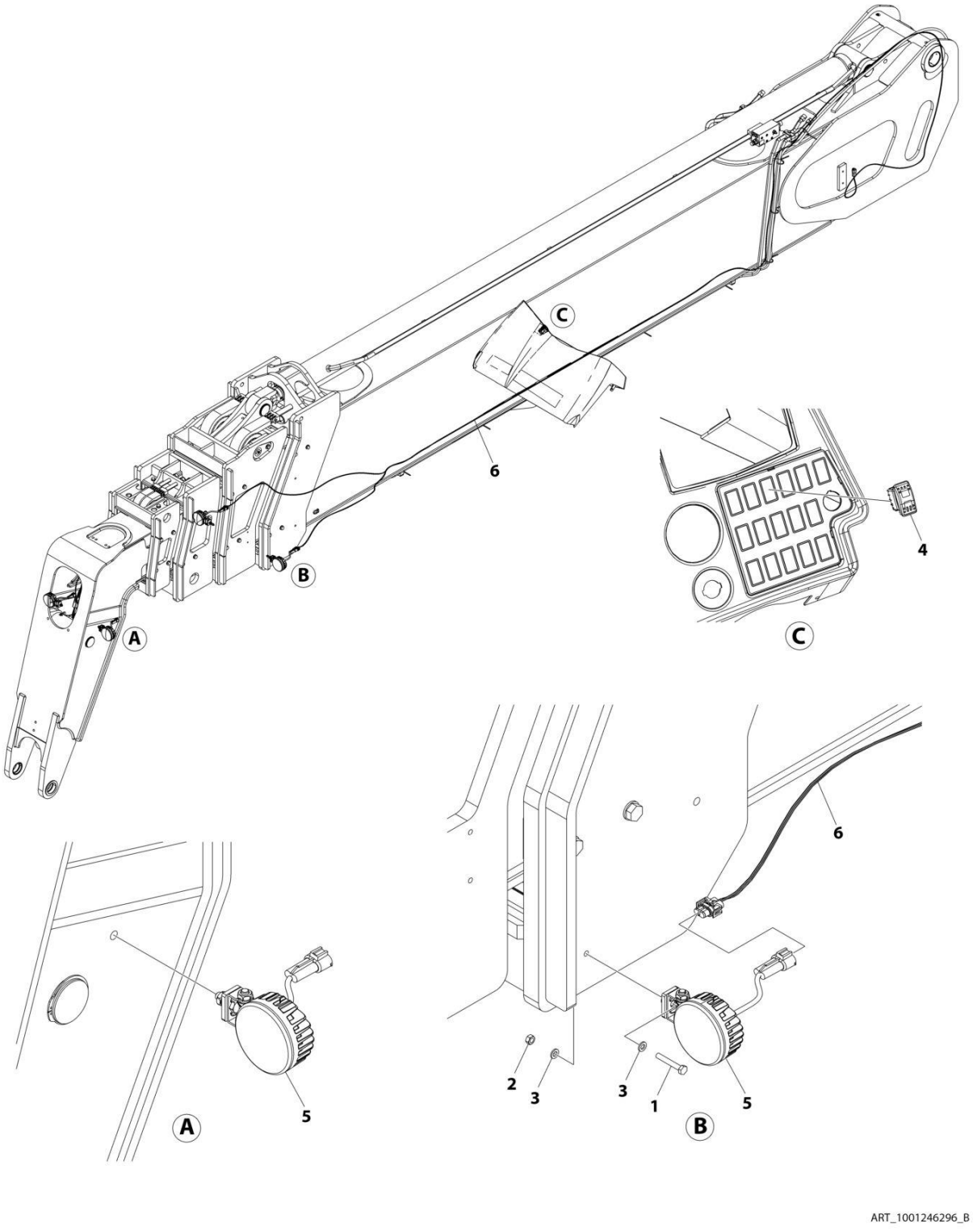


FIGURE 10-67. LIGHTS - BOOM WORKLIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246296	Ref	BOOM WORKLIGHTS INSTALLATION	B
1	0700616	2	Bolt M6 x 40	
2	3290601	2	Nut M6	
3	4811700	4	Washer M6	
4	1001159739	1	Switch, Boom Worklights	
5	1001273635	4	Lamp, LED Work Light	
6	1001246754	1	Harness, Boom Worklights (See Separate Breakdown in this Section)	

FIGURE 10-68. LIGHTS - BOOM WORKLIGHTS HARNESS

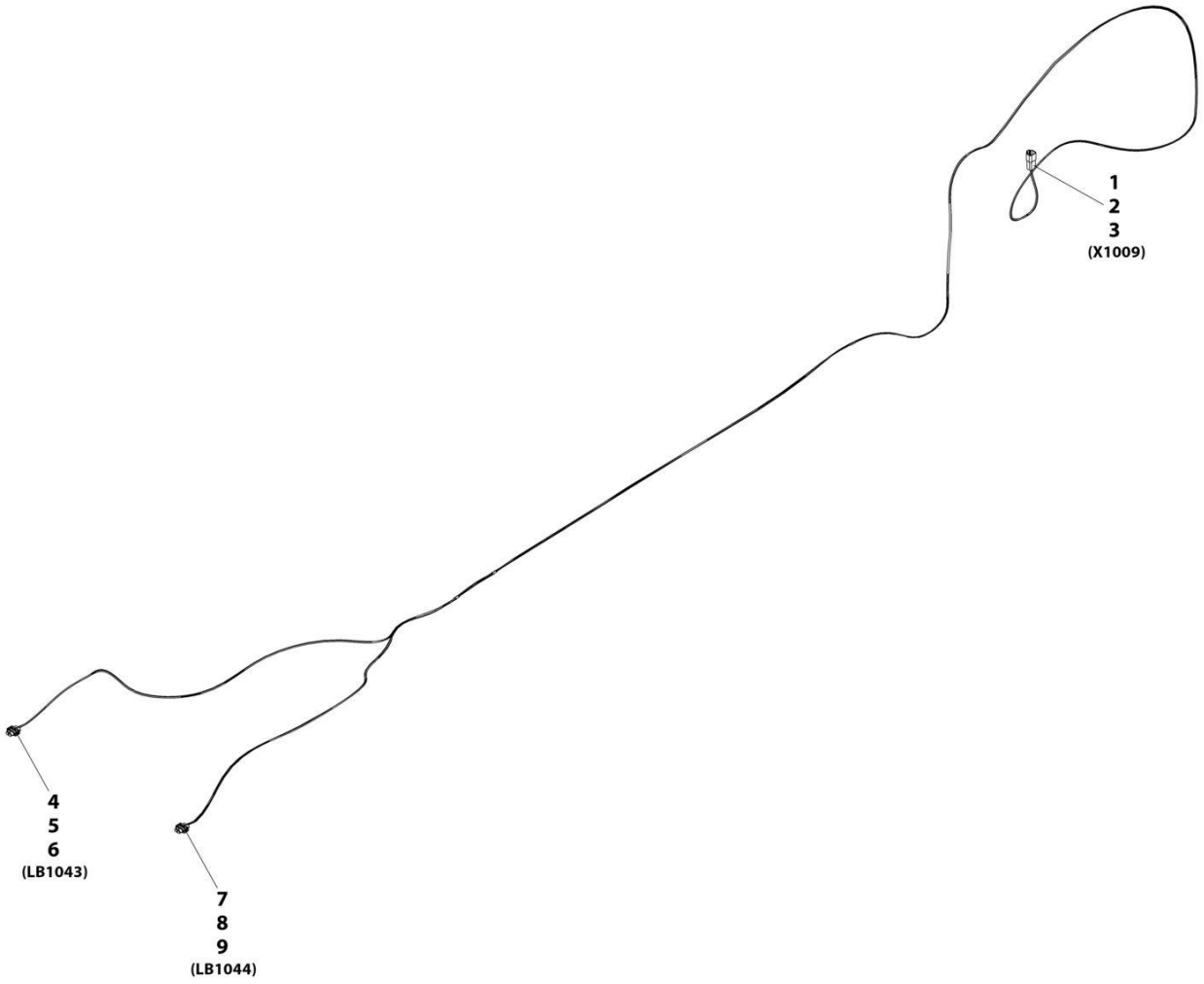


FIGURE 10-68. LIGHTS - BOOM WORKLIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246754	Ref	Boom Worklights Harness	A
1	4460932	1	Connector	
2	4460464	2	Terminal	
3	4460466	2	Plug	
4	4461115	1	Connector	
5	1001116728	2	Terminal	
6	4460458	2	Terminal Seal	
7	4461115	1	Connector	
8	1001116728	2	Terminal	
9	4460458	2	Terminal Seal	

FIGURE 10-69. LIGHTS - CAB WORKLIGHTS INSTALLATION (NO A/C - LED)

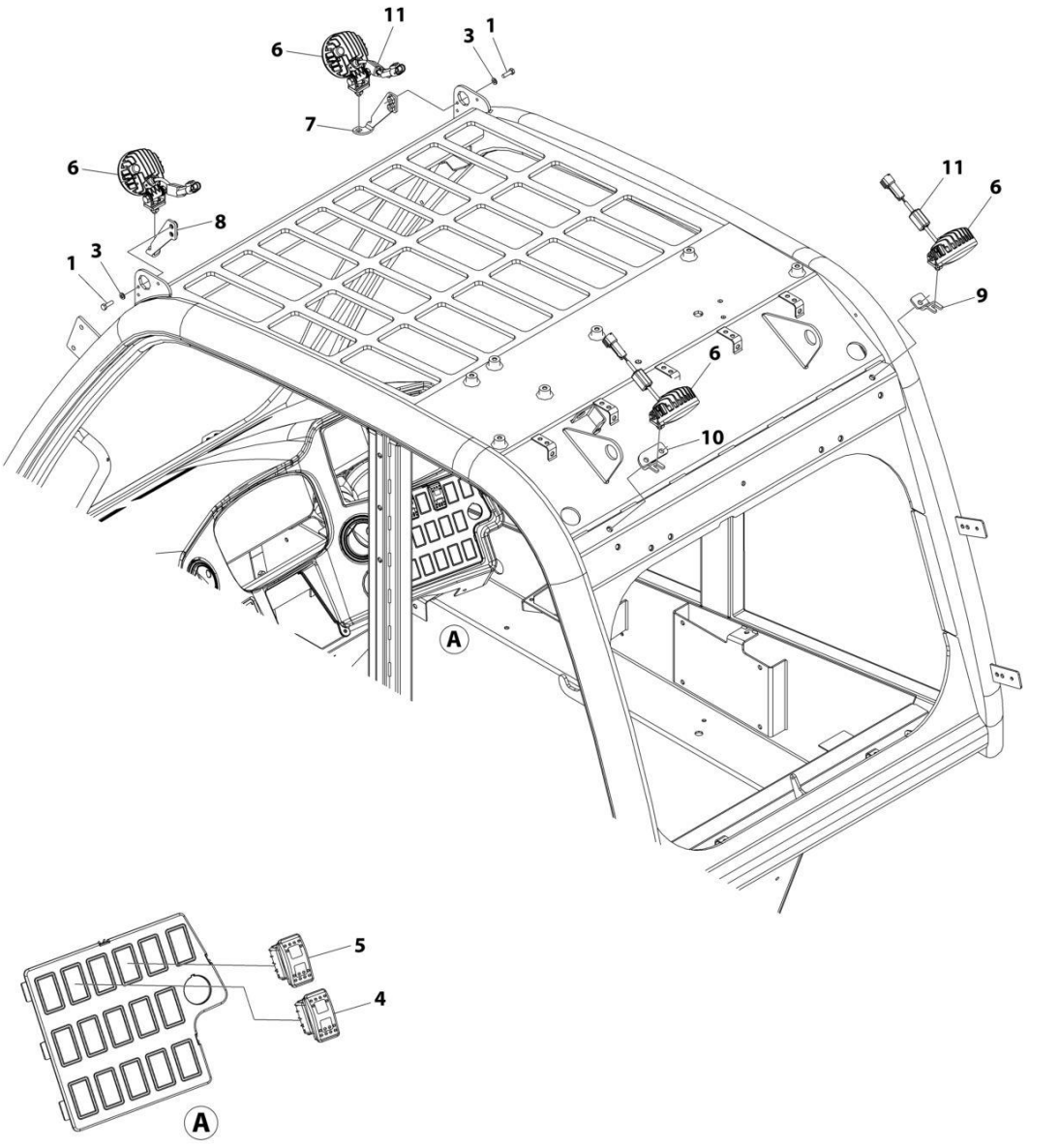


FIGURE 10-69. LIGHTS - CAB WORKLIGHTS INSTALLATION (NO A/C - LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200538	Ref	LIGHTS - CAB WORK LIGHTS INSTALLATION (NO A/C) (LED)	E
1	0700610	4	Bolt M6 x 20	
3	4811700	4	Washer M6	
4	1001159845	1	Switch, Front Worklights	
5	1001159846	1	Switch, Rear Worklights	
6	1001273635	4	Lamp, LED Work Light	
7	1001244193	1	Support, LED Work Light RH	
8	1001244192	1	Support, LED Work Light LH	
9	1001204528	1	Support, LED Work Light RH	
10	1001204530	1	Support, LED Work Light LH	
11	1001228989	4	Harness, Ferrite	

FIGURE 10-70. LIGHTS - CAB WORKLIGHTS INSTALLATION (A/C - LED)

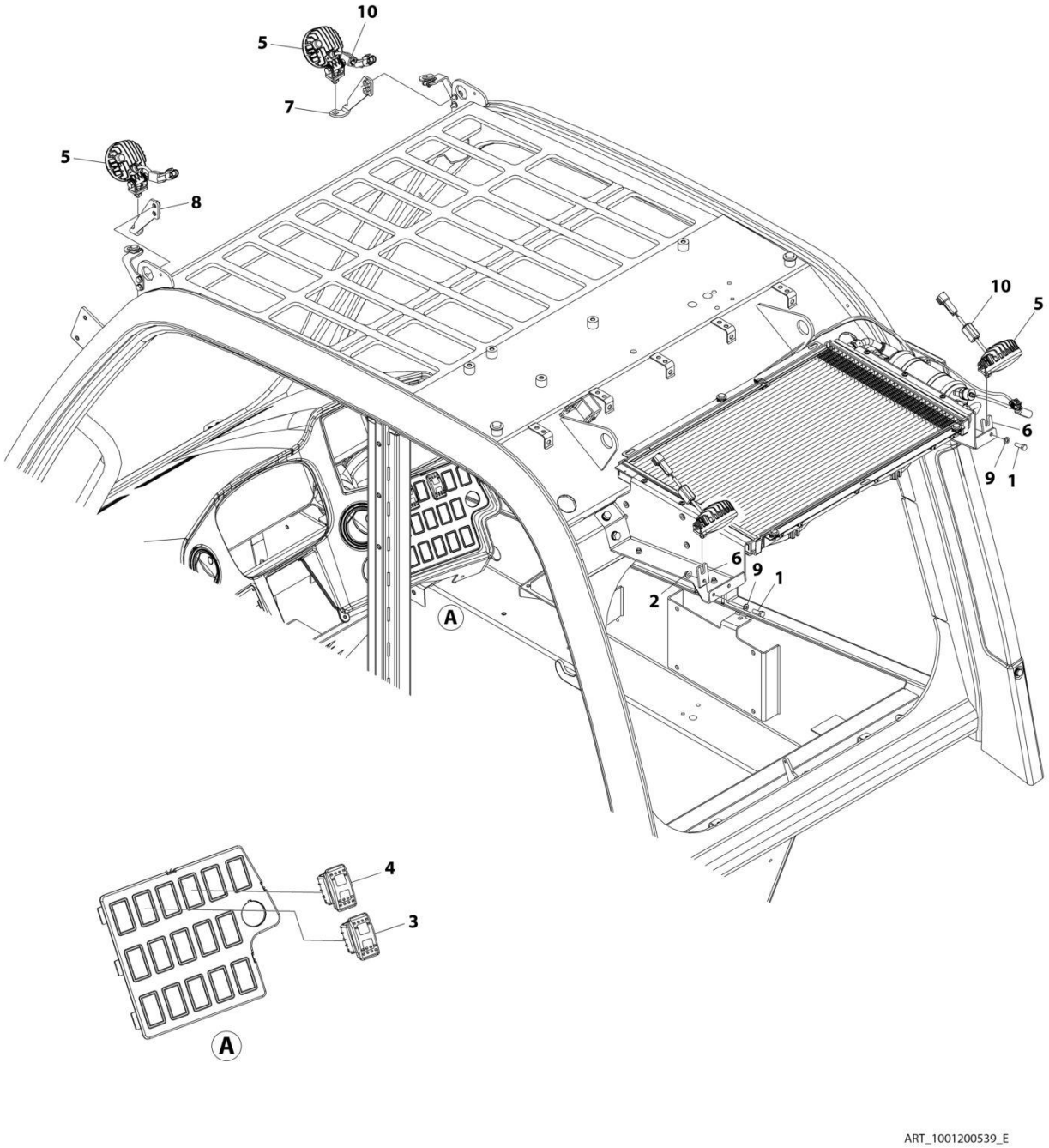


FIGURE 10-70. LIGHTS - CAB WORKLIGHTS INSTALLATION (A/C - LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200539	Ref	LIGHTS - CAB WORK LIGHTS INSTALLATION (A/C) (LED)	E
1	0700610	2	Bolt M6 x 20	
2	5220600	2	Nut M6	
3	1001159845	1	Switch, Front Worklights	
4	1001159846	1	Switch, Rear Worklights	
5	1001273635	4	Lamp, LED Worklights	
6	1001204060	2	Bracket	
7	1001244193	1	Support, LED Work Light RH	
8	1001244192	1	Support, LED Work Light LH	
9	4811700	2	Washer M6	
10	1001228989	4	Harness, Ferrite	

FIGURE 10-71. LIGHTS - HEADLIGHT HARNESS

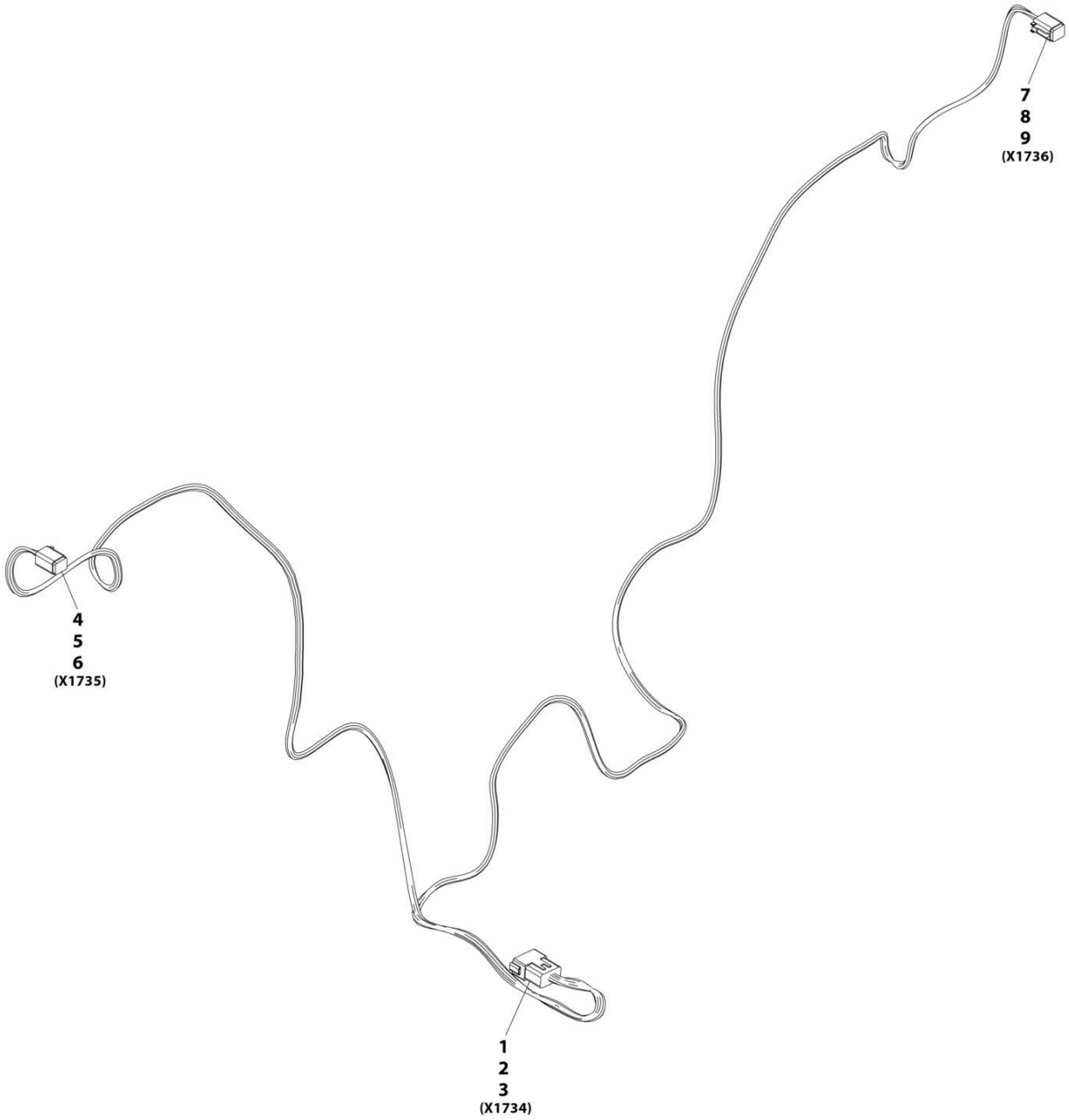


FIGURE 10-71. LIGHTS - HEADLIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256999	Ref	Headlight Harness	A
1	4460970	1	Connector	
2	4460941	10	Terminal	
3	4460466	2	Plug	
4	4460894	1	Connector	
5	4460942	5	Terminal	
6	4460466	1	Plug	
7	4460894	1	Connector	
8	4460942	5	Terminal	
9	4460466	1	Plug	

FIGURE 10-72. LIGHTS - ROAD LIGHTS INSTALLATION

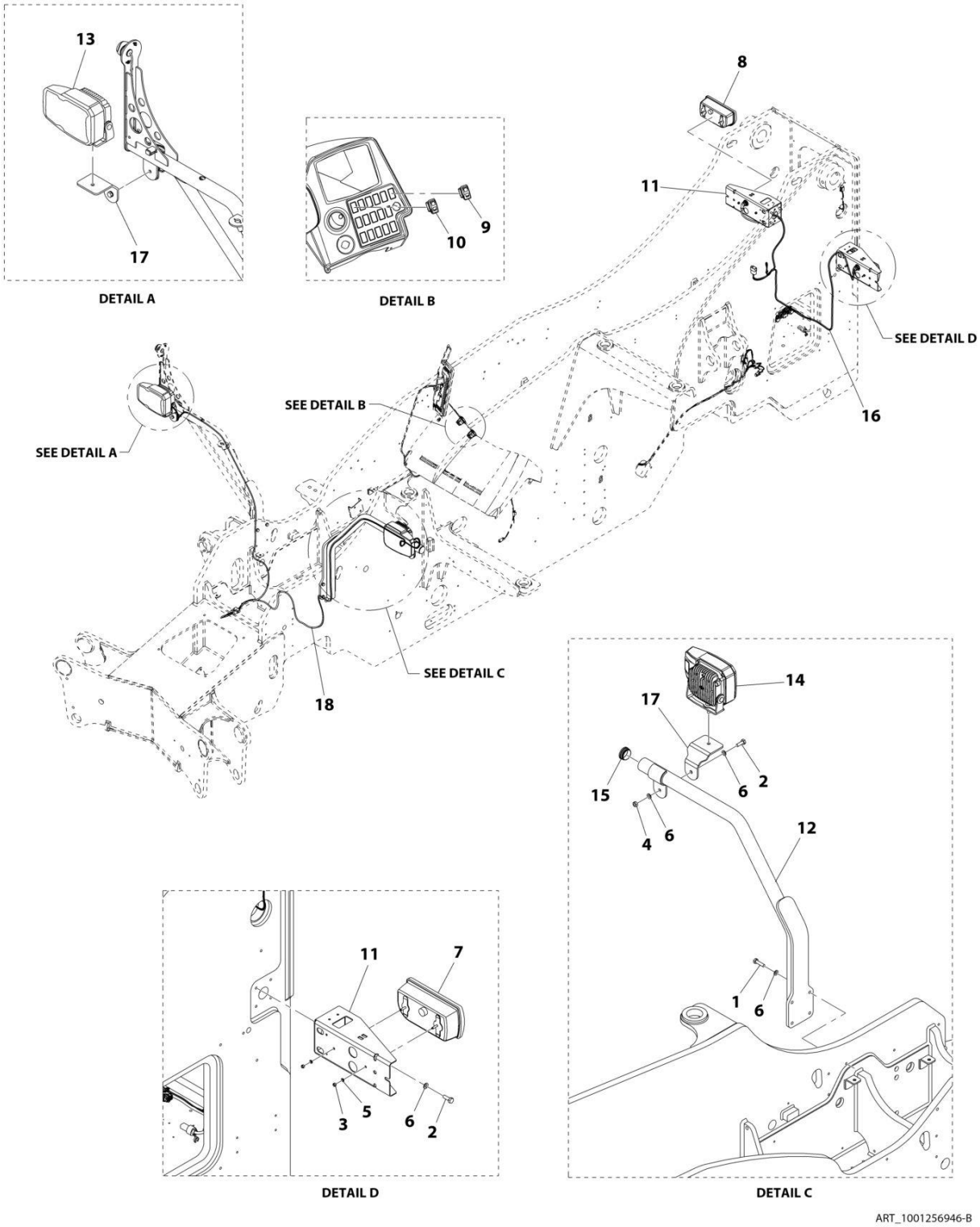


FIGURE 10-72. LIGHTS - ROAD LIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256946	Ref	Road Lights Installation	B
1	0701016	4	Bolt, M10X40	
2	0761014	9	Bolt, M10X40	
3	3290607	4	Nut, M6X1	
4	3291001	1	Nut, M10X1.5 Grade 8	
5	4811700	4	Washer, M6	
6	4812000	14	Washer, M10	
7	1001091715	1	Lamp, Rear LH	
8	1001091716	1	Lamp, Rear RH	
9	1001159734	1	Switch, Hazard	
10	1001159737	1	Switch, Fog Lights	
11	1001196100	2	Bracket	
12	1001206100	1	Bracket	
13	1001209690	1	Light, Driving (RH - LED) (RH Dip)	
14	1001209691	1	Light, Driving (LH - LED) (LH Dip)	
15	1001209697	1	Cap	
16	1001244877	1	Harness, Tailights (See Separate Breakdown in this Section)	
17	1001256951	2	Bracket	
18	1001256999	1	Harness, Headlights (See Separate Breakdown in this Section)	

FIGURE 10-73. LIGHTS - TAILIGHT HARNESS

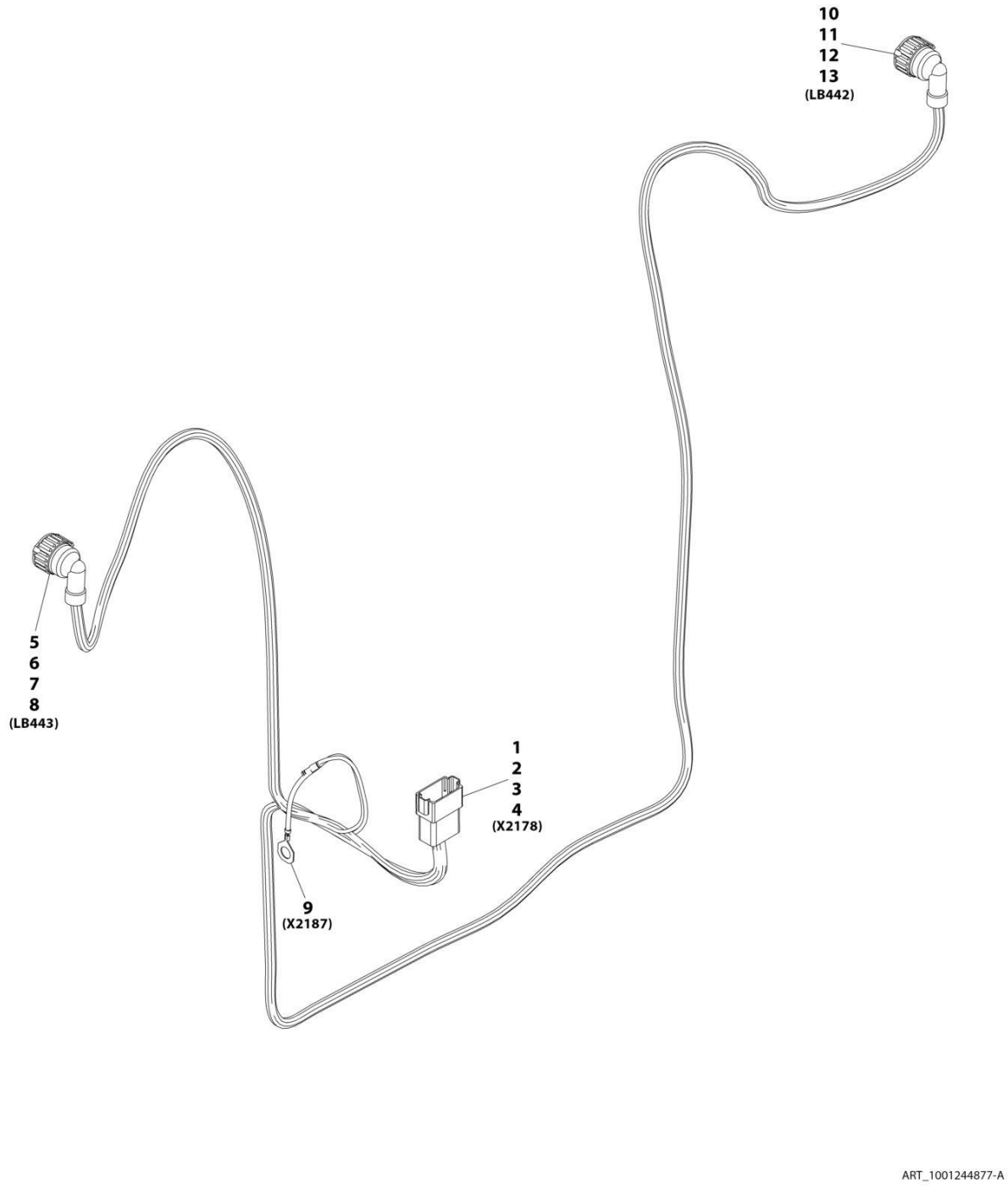


FIGURE 10-73. LIGHTS - TAILIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244877	Ref	Tailight Harness	A
1	4460970	1	Connector	
2	4460941	8	Terminal	
3	4460466	2	Plug	
4	4460464	2	Terminal	
5	1001116996	1	Connector	
6	1001118392	6	Terminal	
7	1001116696	1	Plug	
8	4461054	6	Seal	
9	1001187078	1	Ring, Terminal	
10	1001116696	1	Connector	
11	1001118392	6	Terminal	
12	1001116996	1	Plug	
13	4461054	6	Seal	

FIGURE 10-74. LMIS COMPONENT INSTALLATION

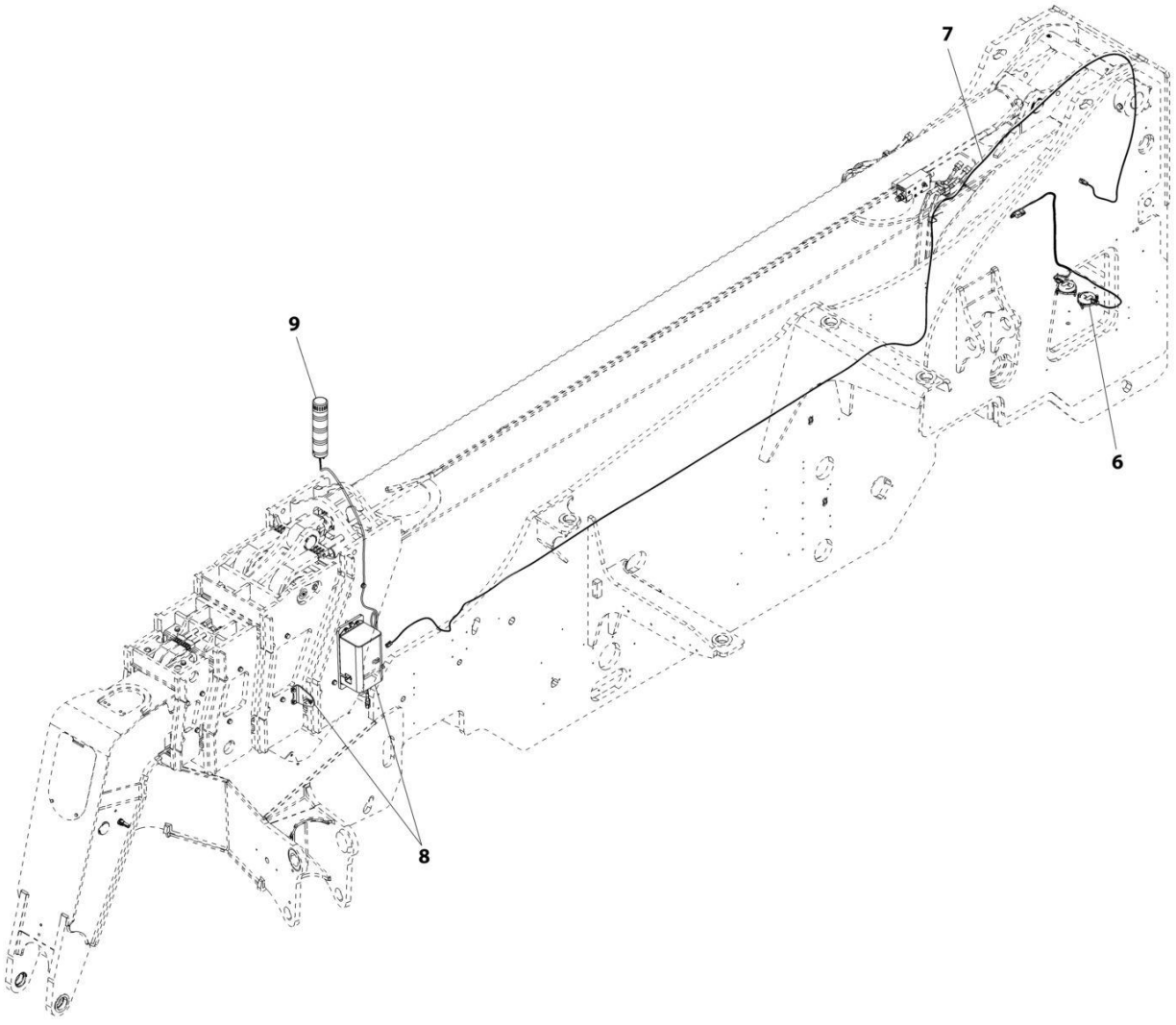


FIGURE 10-74. LMIS COMPONENT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246636	Ref	LMIS Component Installation	B
6	1001201597	Ref	Installation, Tilt Sensor (See Separate Breakdown in this Section)	
7	1001201598	Ref	Installation, LMIS Wiring (See Separate Breakdown in this Section)	
8	1001248204	Ref	Installation, LMIS Cable Reel (See Separate Breakdown in this Section)	
9	1001195591	Ref	Installation, LMIS Beacon (See Separate Breakdown in this Section)	

FIGURE 10-75. LMIS BEACON LIGHT INSTALLATION

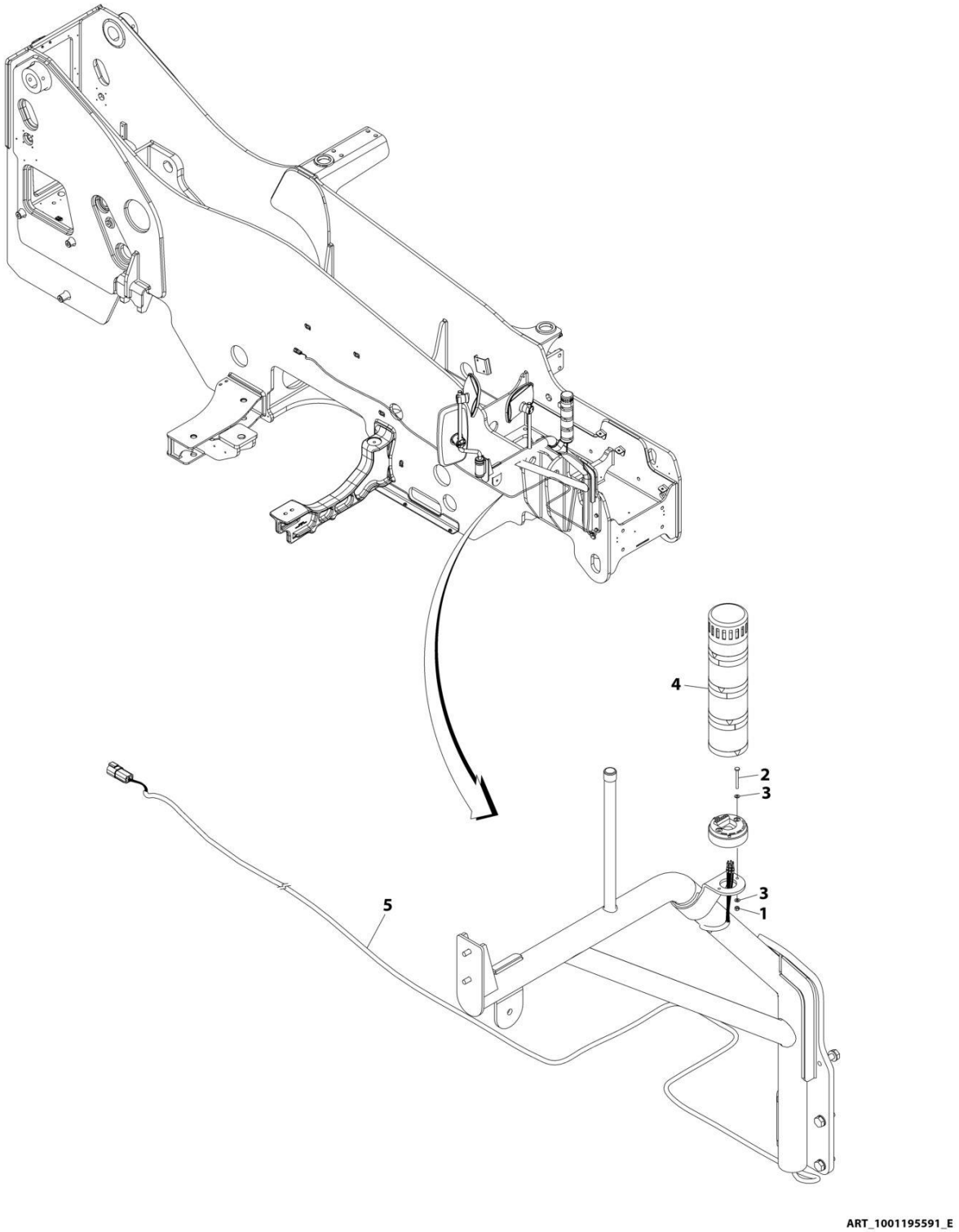


FIGURE 10-75. LMIS BEACON LIGHT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195591	Ref	LMIS Beacon Light Installation	E
1	3290405	2	Nut M4	
2	4010416	2	Screw, M4X40	
3	4811400	4	Washer, M4	
	1001265343	1	Light, LMIS Beacon	
5	1001117247	1	Harness, LMIS Beacon Option (See Separate Breakdown in this Section)	
7	1001146588	1	Tie-Strap (Not Shown)	

FIGURE 10-76. LMIS BEACON OPTION HARNESS

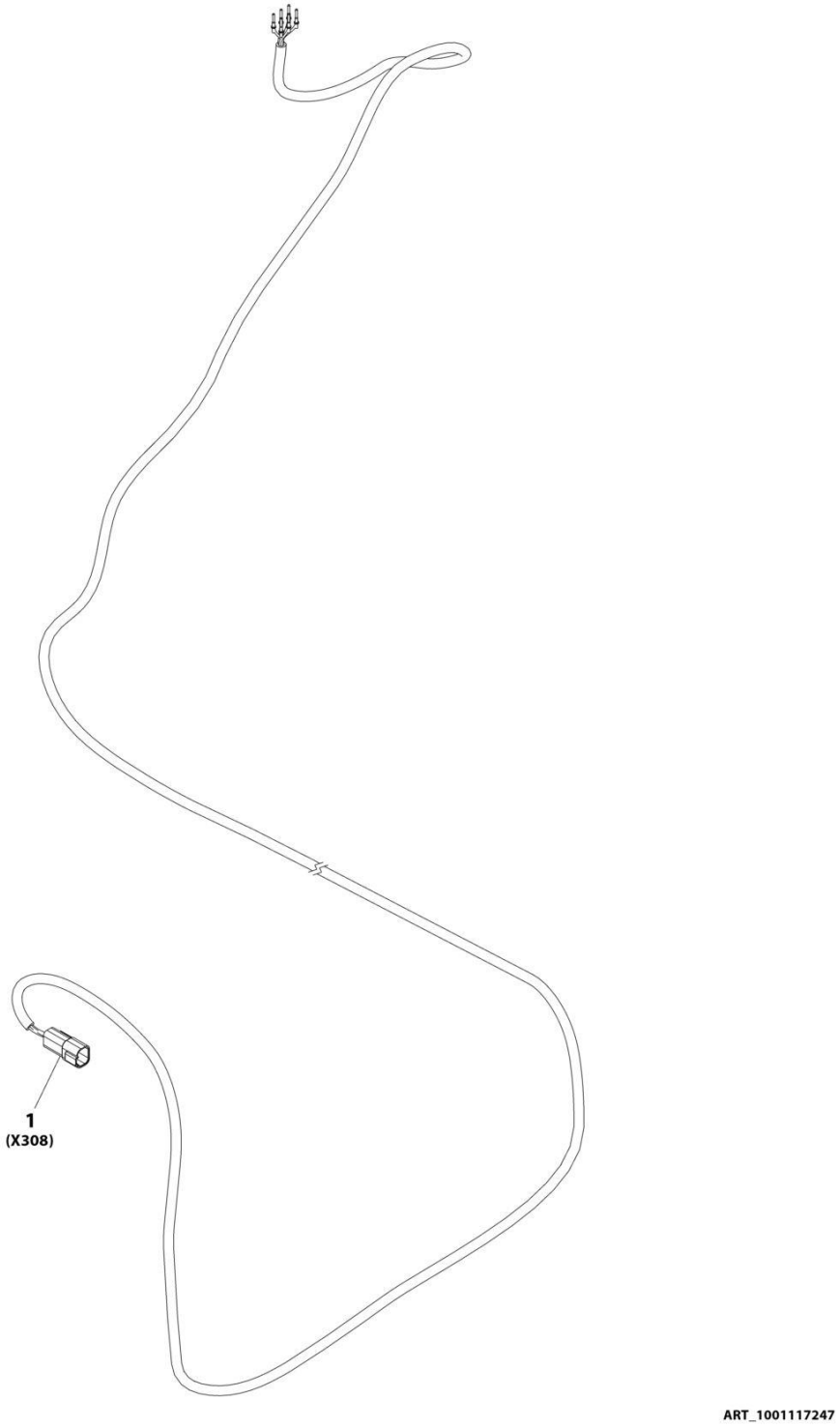


FIGURE 10-76. LMIS BEACON OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117247	Ref	LMIS Beacon Option Harness	D
1	4460932	1	Connector	

FIGURE 10-77. LMIS BOOM HARNESS

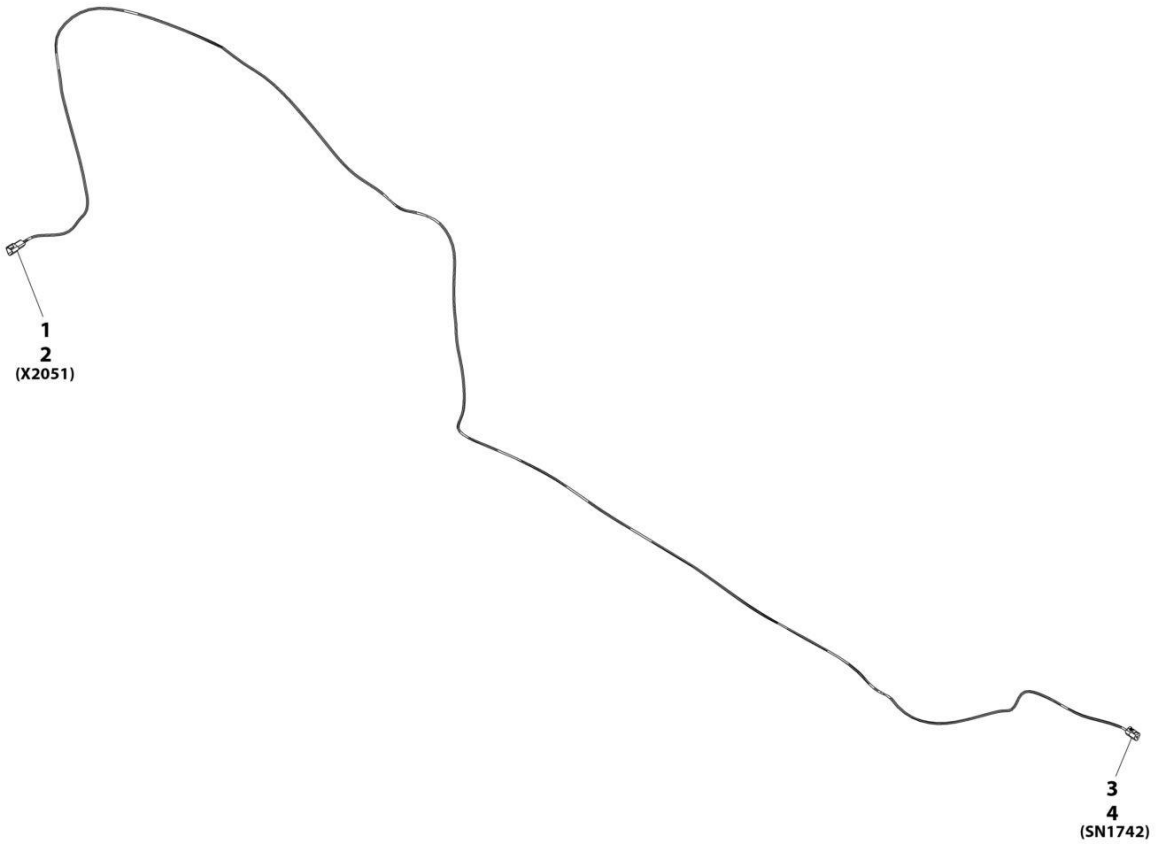


FIGURE 10-77. LMIS BOOM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201600	Ref	LMIS Boom Harness	A
1	4460536	1	Connector	
2	4460464	3	Terminal	
3	4460539	1	Connector	
4	4460465	3	Terminal	

FIGURE 10-78. LMIS CABLE REEL INSTALLATION

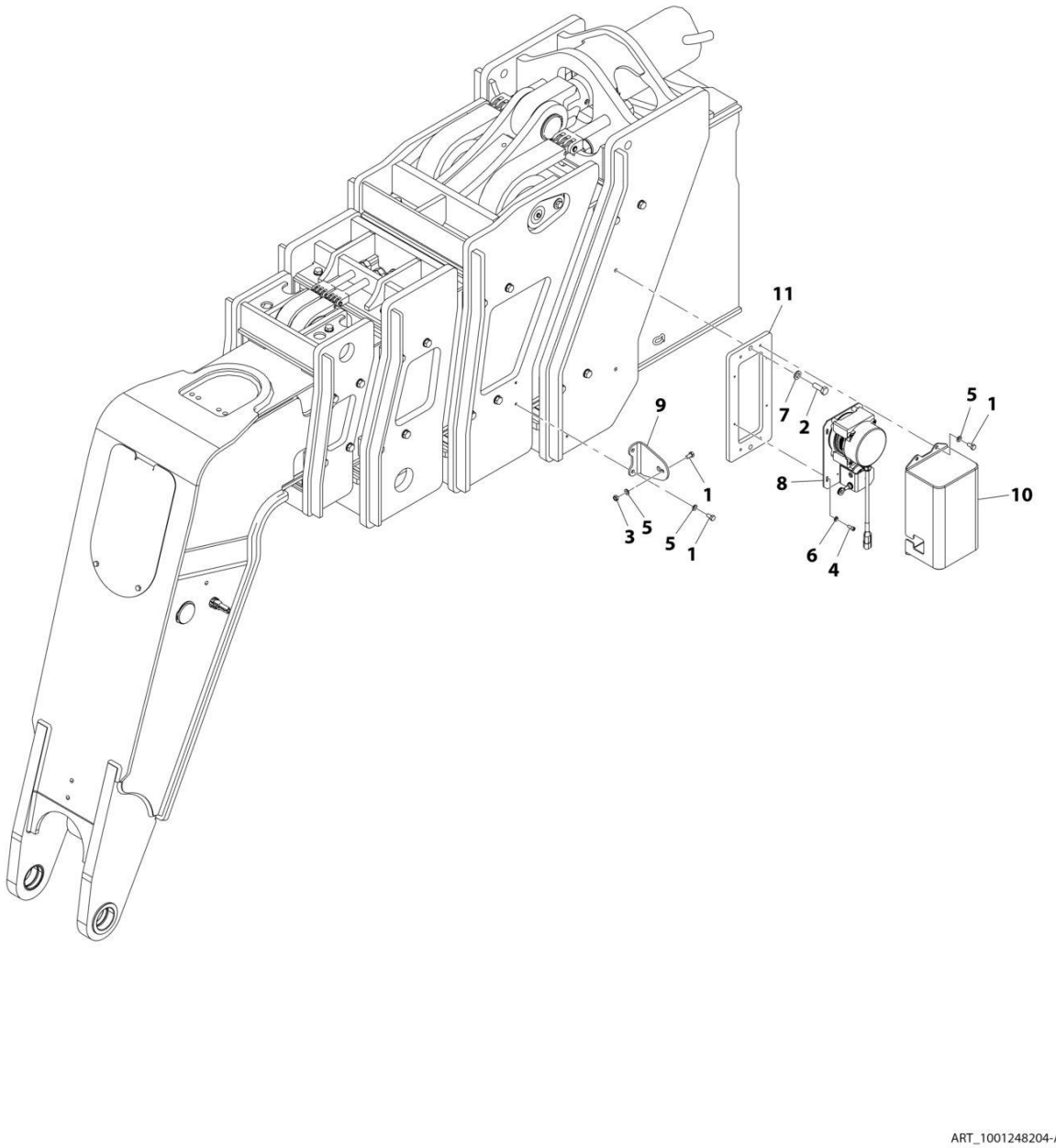


FIGURE 10-78. LMIS CABLE REEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248204	Ref	LMIS Cable Reel Installation	A
1	0760808	7	Bolt, M8X16	
2	0761215	2	Bolt, M12X35	
3	3290801	1	Nut, M8X1.25	
4	4031707	4	Bolt, M6X16	
5	4811900	7	Washer, M8	
6	5240600	4	Washer, M6	
7	1001125117	2	Washer, M12	
8	1001223903	1	Sensor, Boom Length	
9	1001224127	1	Bracket	
10	1001224128	1	Panel	
11	1001244334	1	Plate	

FIGURE 10-79. LMIS CHASSIS OPTION HARNESS

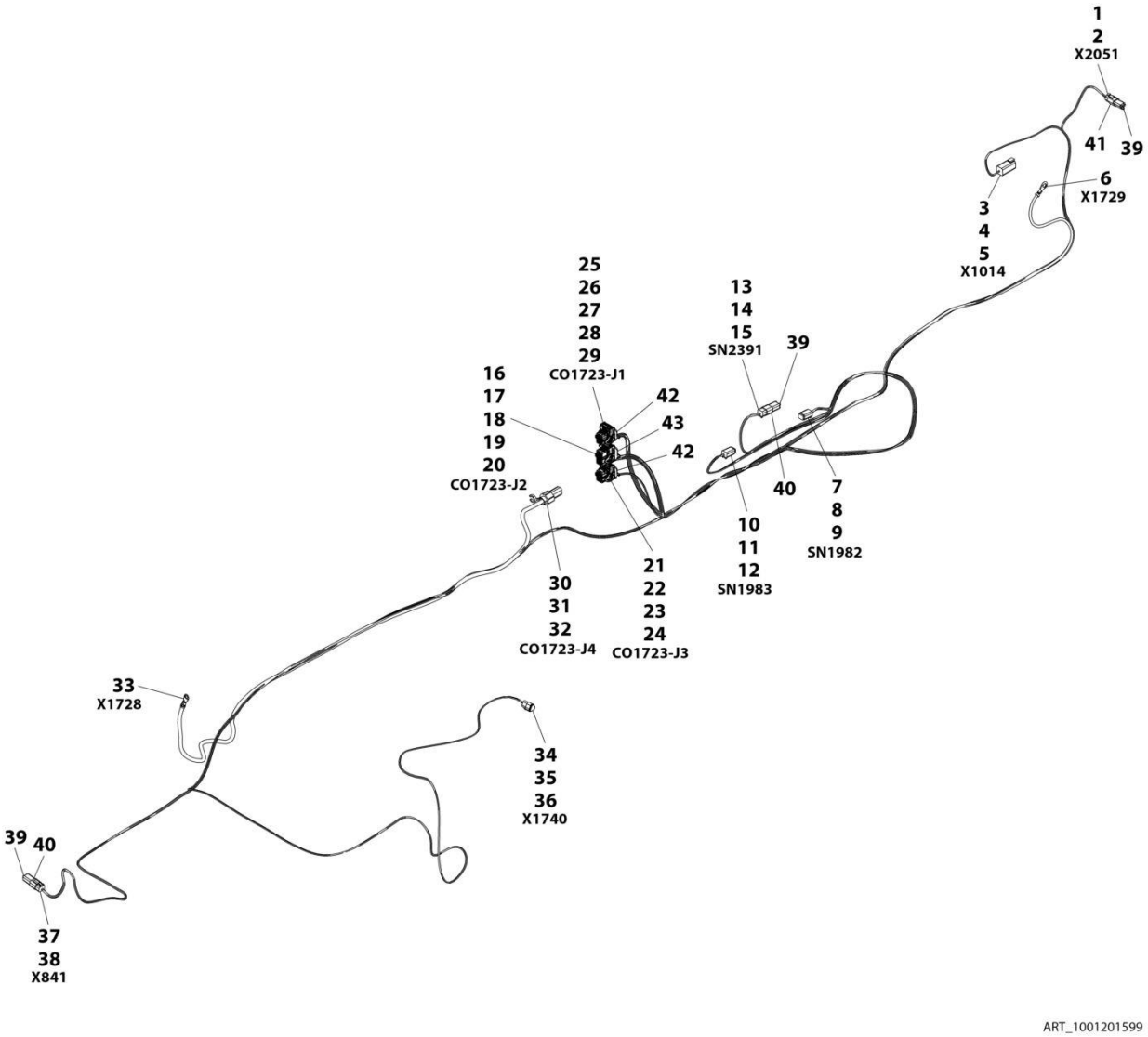


FIGURE 10-79. LMIS CHASSIS OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201599	Ref	LMIS Chassis Option Harness	D
1	4460539	1	Connector	
2	4460465	3	Terminal	
3	4460899	1	Connector	
4	4460466	4	Plug	
5	4460464	2	Terminal	
6	1001187080	1	Ring Terminal	
7	4460884	1	Connector	
8	4460942	1	Terminal	
9	4460465	3	Terminal	
10	4460884	1	Connector	
11	4460942	1	Terminal	
12	4460465	3	Terminal	
13	4460884	1	Connector	
14	4460942	1	Terminal	
15	4460465	3	Terminal	
16	1001161963	1	Connector	
17	1001161097	16	Terminal	
18	1001161100	24	Plug	
19	1001161099	3	Terminal	
20	1001161101	5	Plug	
21	1001160500	1	Connector	
22	1001161100	22	Plug	
23	1001161097	2	Terminal	
24	1001161101	8	Plug	
25	1001161957	1	Connector	
26	1001161097	11	Terminal	
27	1001161100	13	Plug	
28	1001161101	5	Plug	
29	1001161099	3	Terminal	
30	1001160509	1	Connector	
31	1001160510	1	Terminal	
32	1001175267	1	Seal	
33	1001187075	1	Ring Terminal	
34	1001116812	1	Connector	
35	4460944	2	Terminal	
36	4460466	1	Plug	
37	4460884	1	Connector	
38	4460465	4	Terminal	
39	4460466	11	Plug	
40	4460932	2	Connector	
41	4460536	1	Terminal, 3 Pin Male	
42	643191201	2	Cover	
43	643191301	1	Cover	

FIGURE 10-80. LMIS TILT SENSOR INSTALLATION

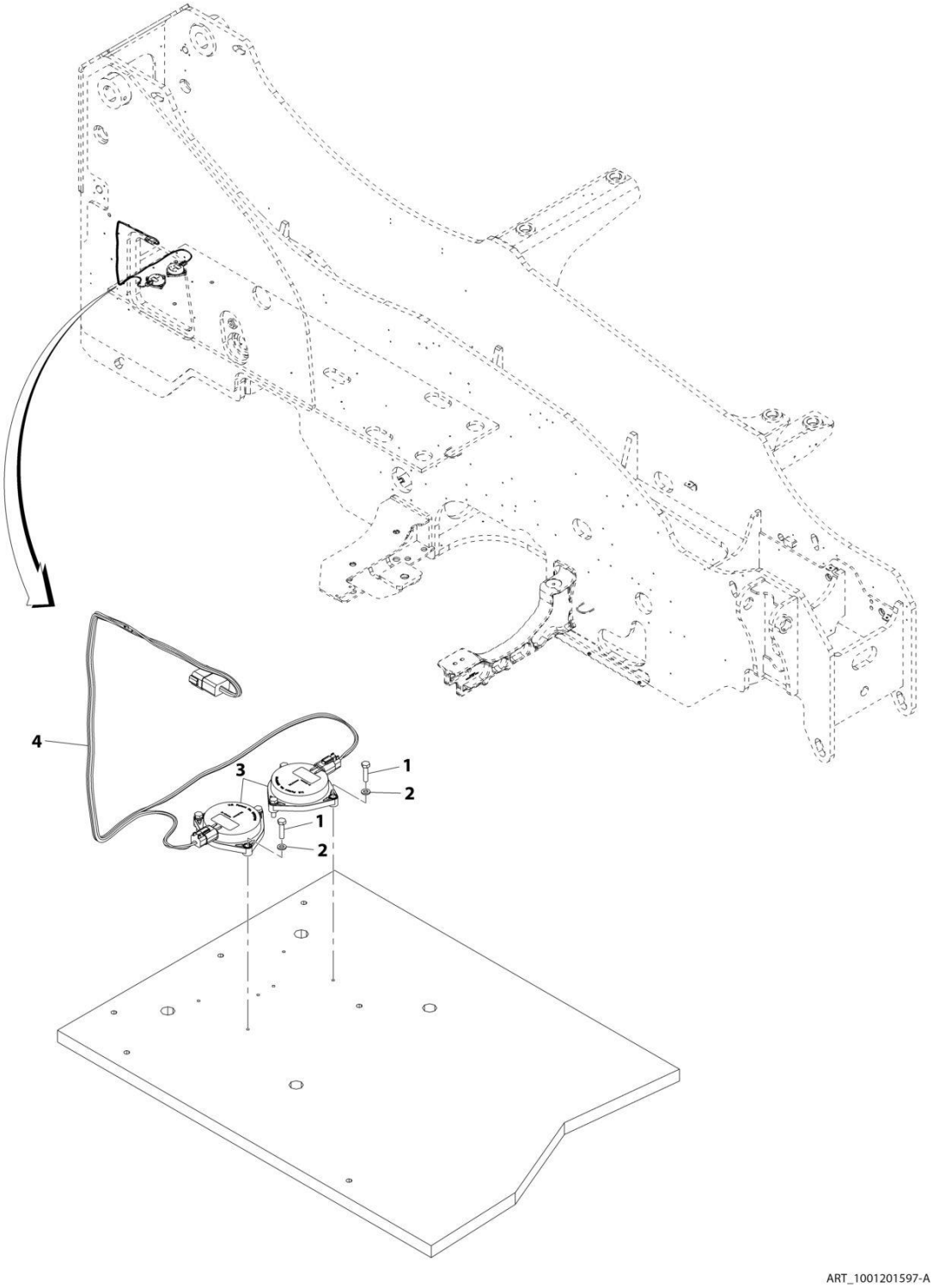


FIGURE 10-80. LMIS TILT SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201597	Ref	Tilt Sensor Installation	A
1	0700612	6	Bolt, M6X25	
2	4811700	6	Washer, M6	
3	1001163095	2	Sensor, Tilt	
4	1001201601	1	Harness, Platform Ready (See Separate Breakdown in this Section)	

FIGURE 10-81. LMIS WIRING INSTALLATION

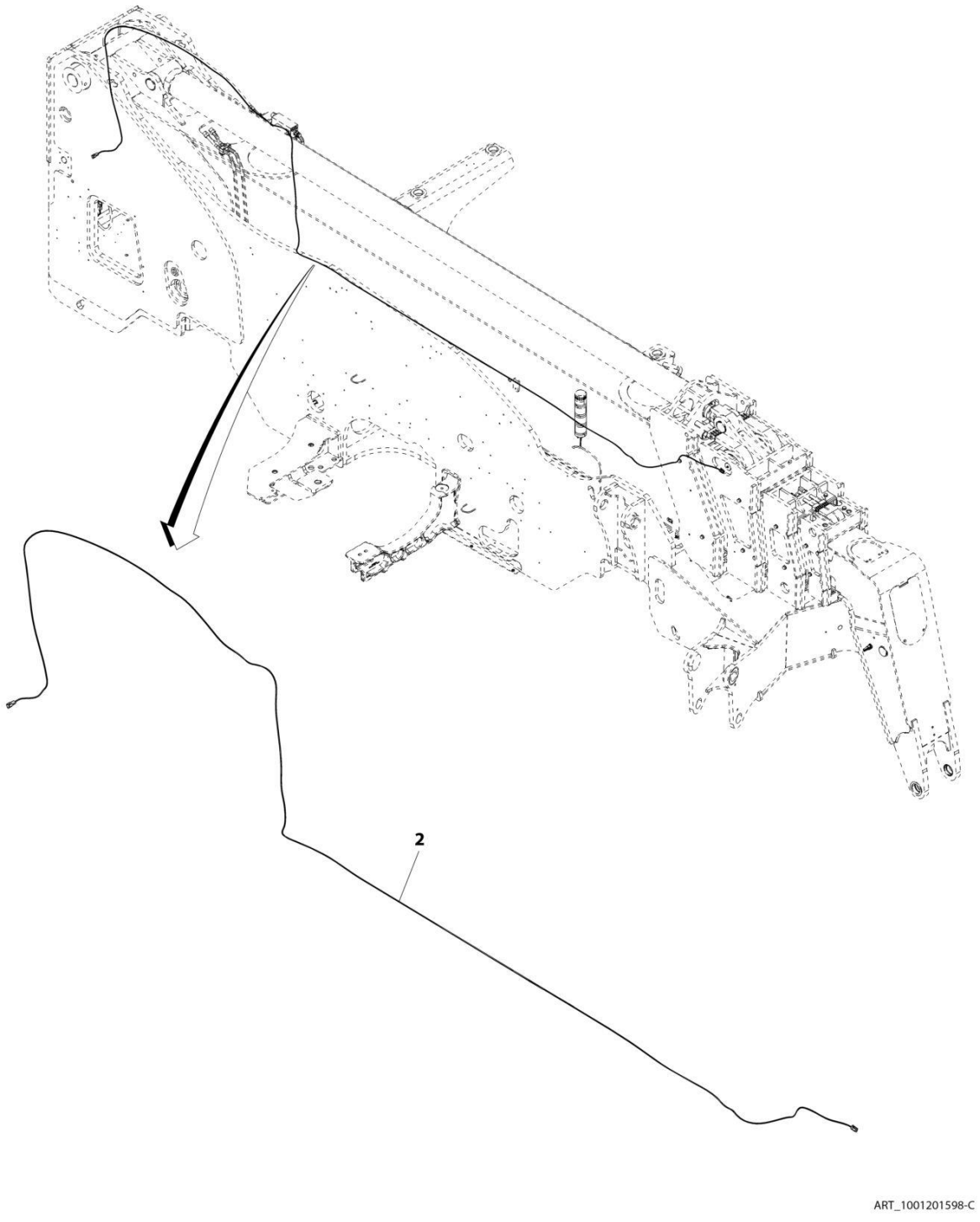


FIGURE 10-81. LMIS WIRING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201598	Ref	LMIS Wiring Installation	C
2	1001201600	1	Harness, LMIS Boom (See Separate Breakdown in this Section)	

FIGURE 10-82. LSI INSTALLATION

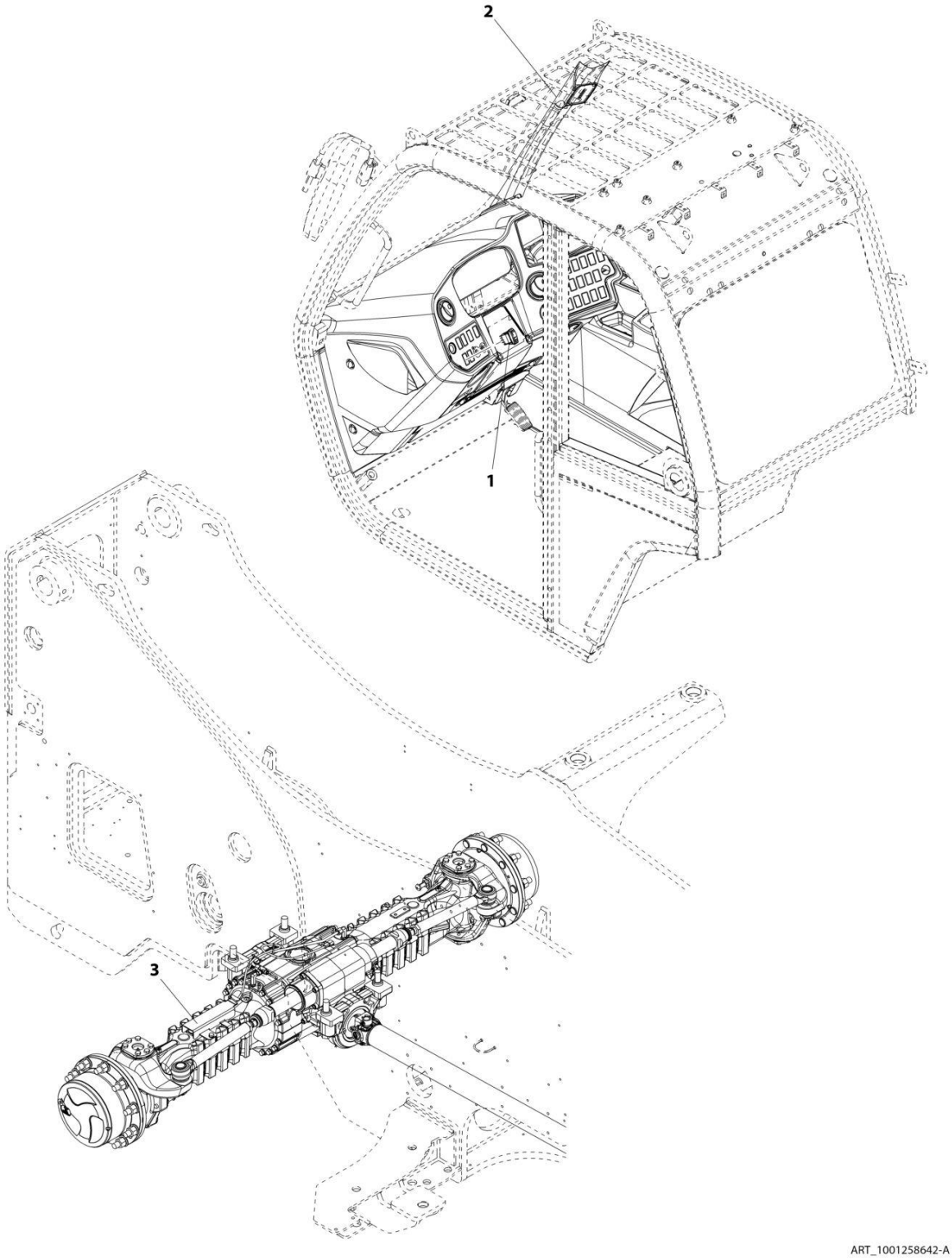


FIGURE 10-82. LSI INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258642	Ref	LSI Installation	A
1	1001159742	1	Switch, LSI Override	
2	1001207594	1	Installation, LSI Display (See Separate Breakdown in this Section)	
3	1001258644	1	Installation, LSI Sensor (See Separate breakdown in this Section)	

FIGURE 10-83. LSI DISPLAY INSTALLATION

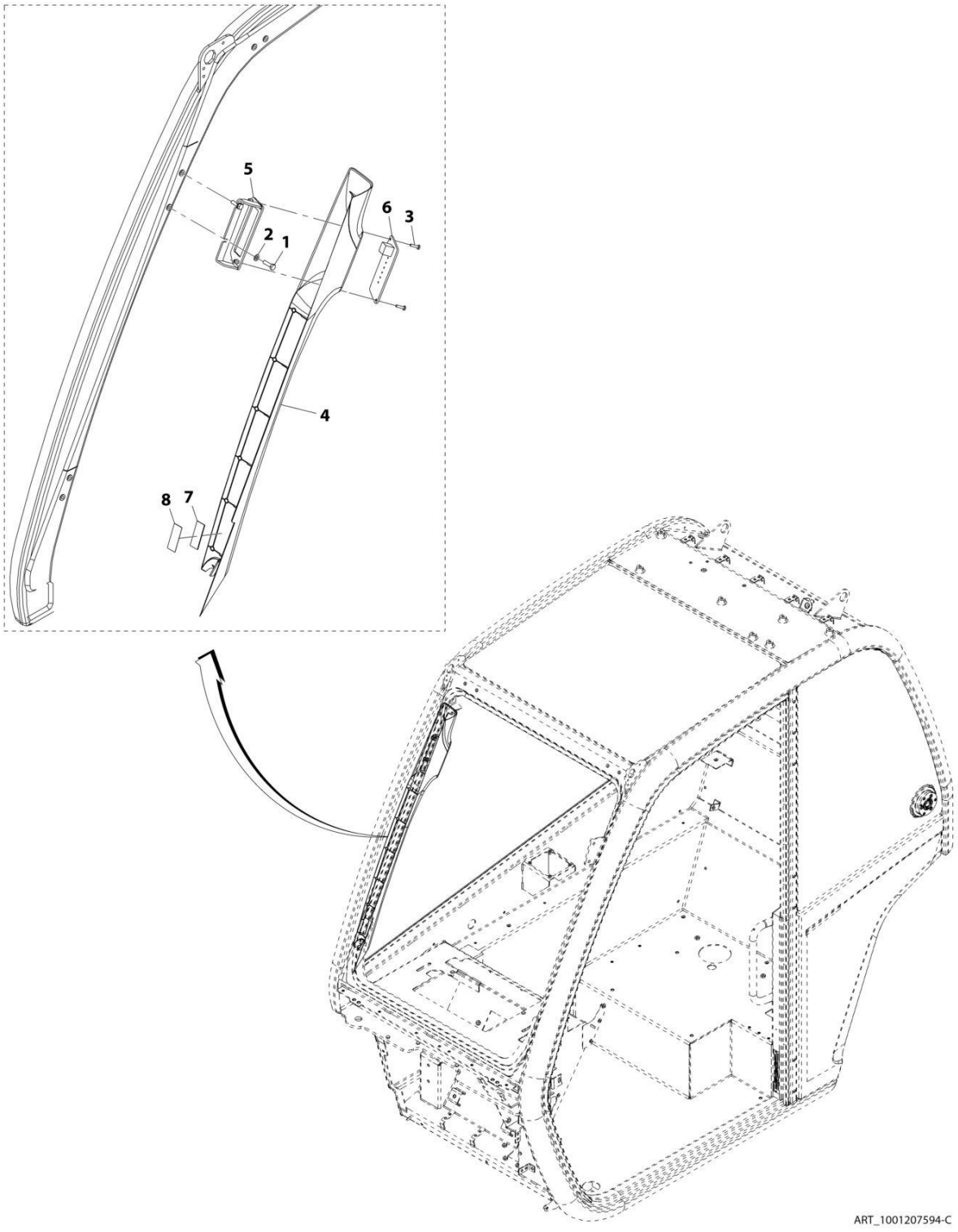


FIGURE 10-83. LSI DISPLAY INSTALLATION

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 10-84. LSI SENSOR INSTALLATION

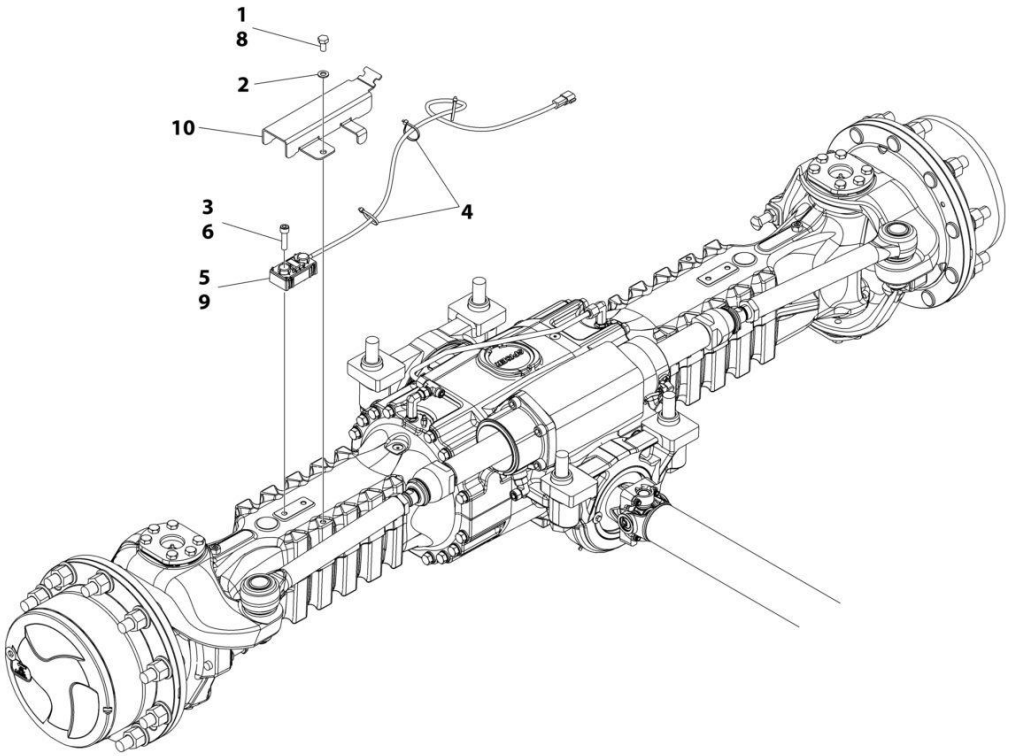


FIGURE 10-84. LSI SENSOR INSTALLATION

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

FIGURE 10-85. OUTRIGGER HARNESS

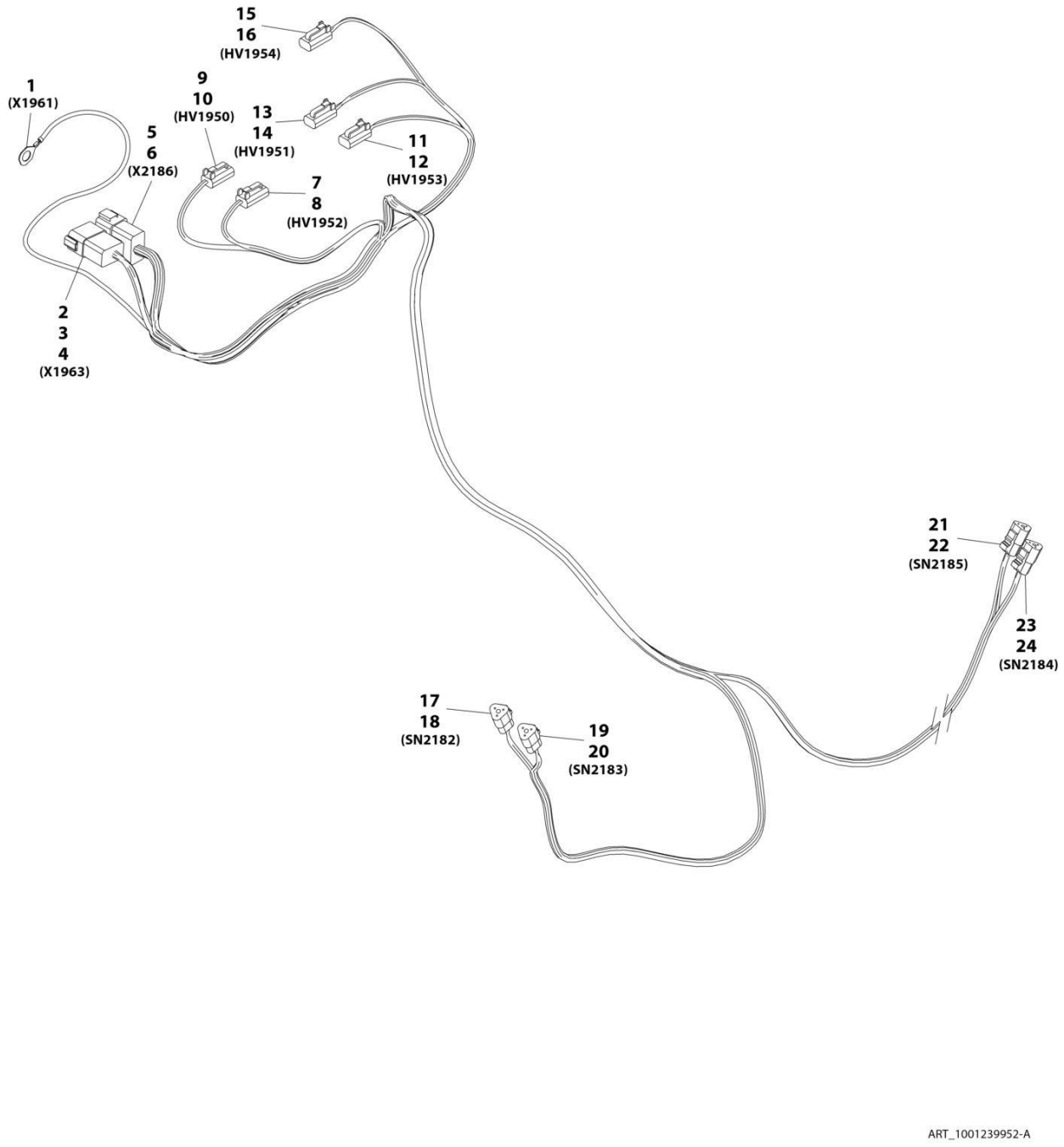


FIGURE 10-85. OUTRIGGER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239952	Ref	Outrigger Harness	A
1	1001187078	1	Connector	
2	4460931	1	Connector	
3	4460464	6	Terminal	
4	4460466	2	Plug	
5	4460950	1	Connector	
6	4460464	12	Terminal	
7	4460891	1	Connector	
8	4460465	2	Terminal	
9	4460891	1	Connector	
10	4460465	2	Terminal	
11	4460891	1	Connector	
12	4460465	2	Terminal	
13	4460891	1	Connector	
14	4460465	2	Terminal	
15	4460891	1	Connector	
16	4460465	2	Terminal	
17	4460539	1	Connector	
18	4460465	3	Terminal	
19	4460539	1	Connector	
20	4460465	3	Terminal	
21	4460539	1	Connector	
22	4460465	3	Terminal	
23	4460539	1	Connector	
24	4460465	3	Terminal	

FIGURE 10-86. PLATFORM HARNESS

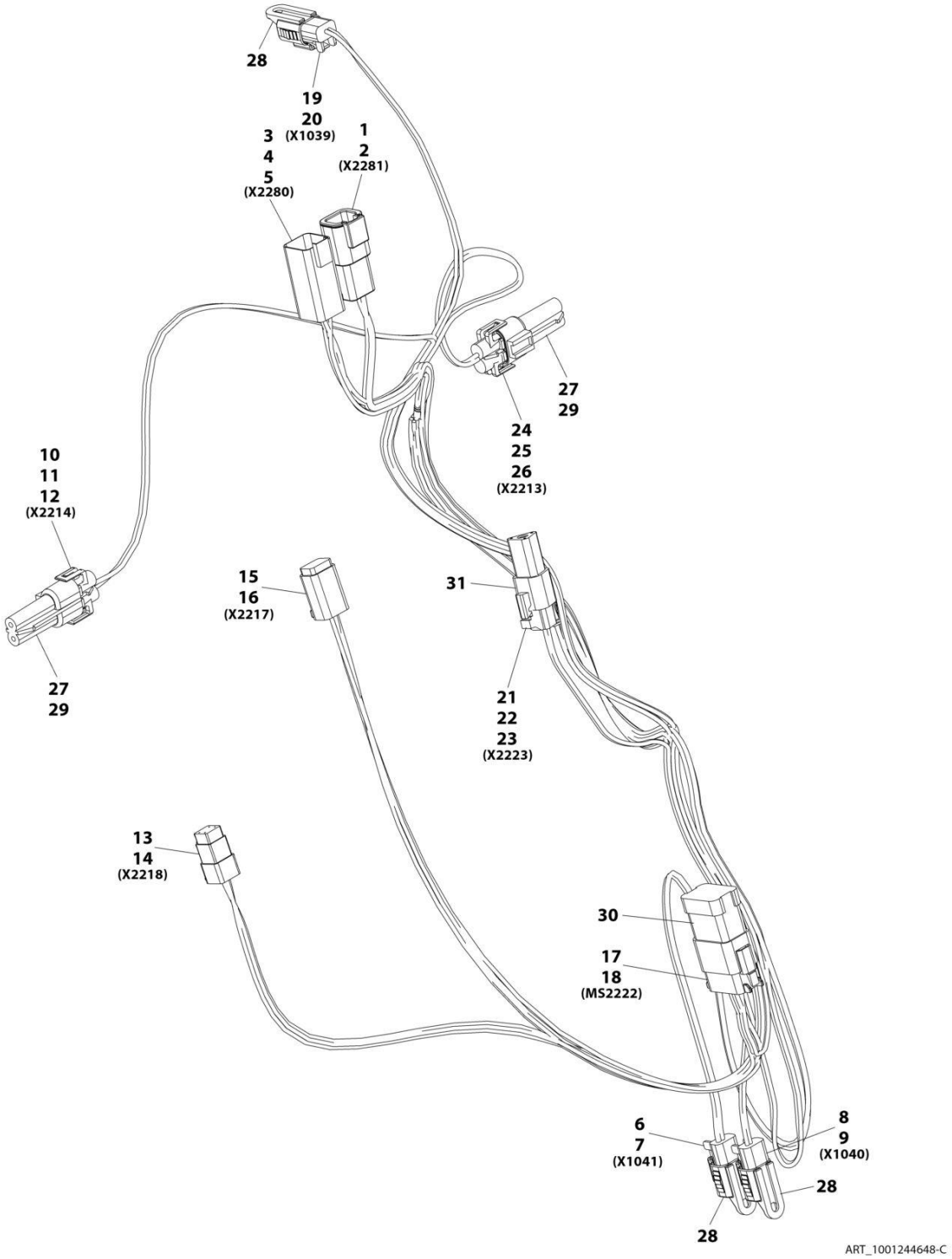
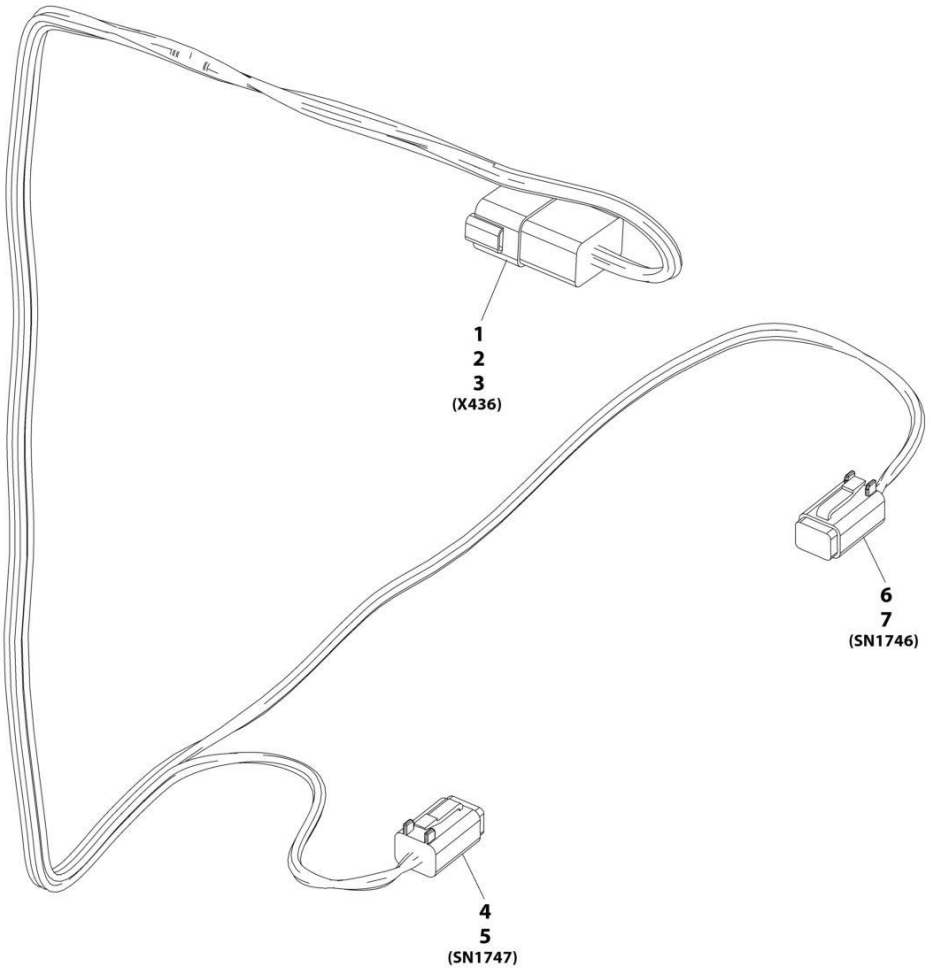


FIGURE 10-86. PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244648	Ref	Platform Harness	C
1	4461017	1	Connector	
2	1001150610	2	Terminal	
3	4460899	1	Connector	
4	4460943	2	Terminal	
5	4460464	4	Terminal	
6	4460891	1	Connector	
7	4460942	2	Terminal	
8	4460891	1	Connector	
9	4460465	1	Terminal	
10	4461115	1	Connect	
11	1001116728	2	Terminal	
12	4460458	2	Seal	
13	4461077	1	Connector	
14	1001126008	4	Terminal	
15	4460884	1	Connector	
16	4460465	4	Terminal	
17	4460930	1	Connector	
18	4460465	8	Terminal	
19	4460891	1	Connector	
20	4460465	2	Terminal	
21	4461095	1	Connector	
22	4460944	2	Terminal	
23	4460466	1	Plug	
24	4461115	1	Connector	
25	1001116728	2	Terminal	
26	4460458	2	Plug	

FIGURE 10-87. PLATFORM READY HARNESS



ART_1001201601-A

FIGURE 10-87. PLATFORM READY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201601	Ref	Platform Ready Harness	A
1	4460931	1	Connector	
2	4460464	6	Terminal	
3	4460466	2	Plug	
4	4460884	1	Connector	
5	4460944	4	Terminal	
6	4460884	1	Connector	
7	4460944	4	Terminal	

FIGURE 10-88. REMOTE CONTROL BOOM INSTALLATION

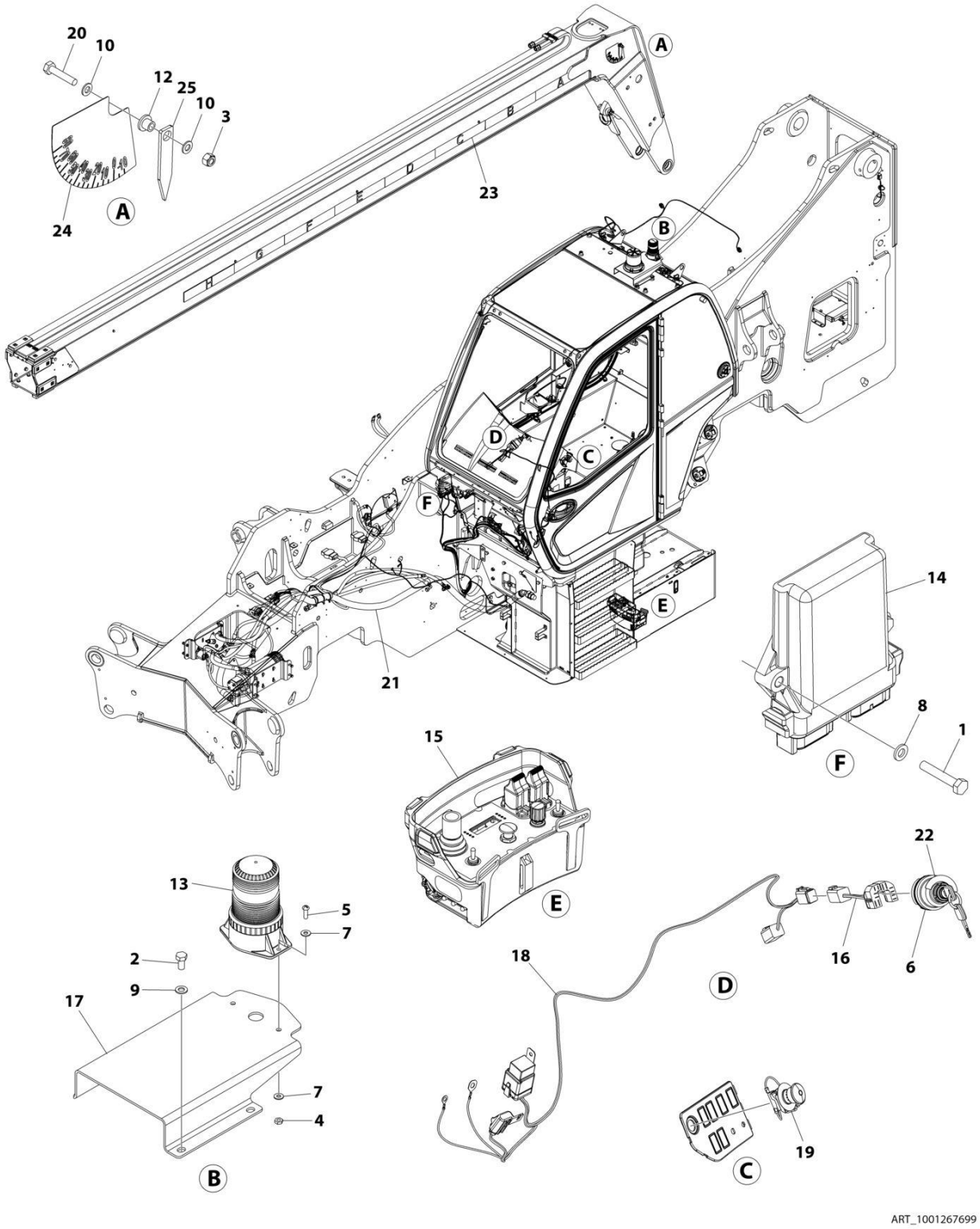


FIGURE 10-88. REMOTE CONTROL BOOM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267699	Ref	REMOTE CONTROL BOOM INSTALLATION	A
1	0760615	2	Bolt M6 x 35	
2	0760808	3	Bolt M8 x 16	
3	3291005	1	Nut M10 x 1.5	
4	3311005	2	Nut 10	
5	3911010	2	Bolt 10 x 5/8	
6	4360657	1	Switch, Ignition	
7	4711000	4	Washer 10	
8	4811700	2	Washer M6	
9	4811900	3	Washer M8	
10	4812000	2	Washer M10	
11	1001008559	4	Strap	
12	1001171808	1	Spacer	
13	1001200910	1	Lamp, Blue Beacon	
14	1001206112	1	Control, Remote Controller	
15	1001209194	1	Control, Remote	
16	1001241610	1	Cab Key Harness (See Separate Breakdown in this Section)	
17	1001258749	1	Bracket, Roof Beacon	
18	1001259205	1	Remote Control Power Harness (See Separate Breakdown in this Section)	
19	1001259246	1	Installation, Remote Control Emergency Stop Switch (See Separate Breakdown in this Section)	
20	0701018	1	Bolt M10 x 50	
21	1001266353	1	Installation, Emergency Lowering (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
22	1001268354	1	Decal, Ignition Switch	
23	1001269175	1	Decal, Boom Extend	
24	1001269176	1	Decal, Boom Angle Indicator	
25	1001269177	1	Plate	

FIGURE 10-89. REMOTE CONTROL EMERGENCY STOP SWITCH INSTALLATION

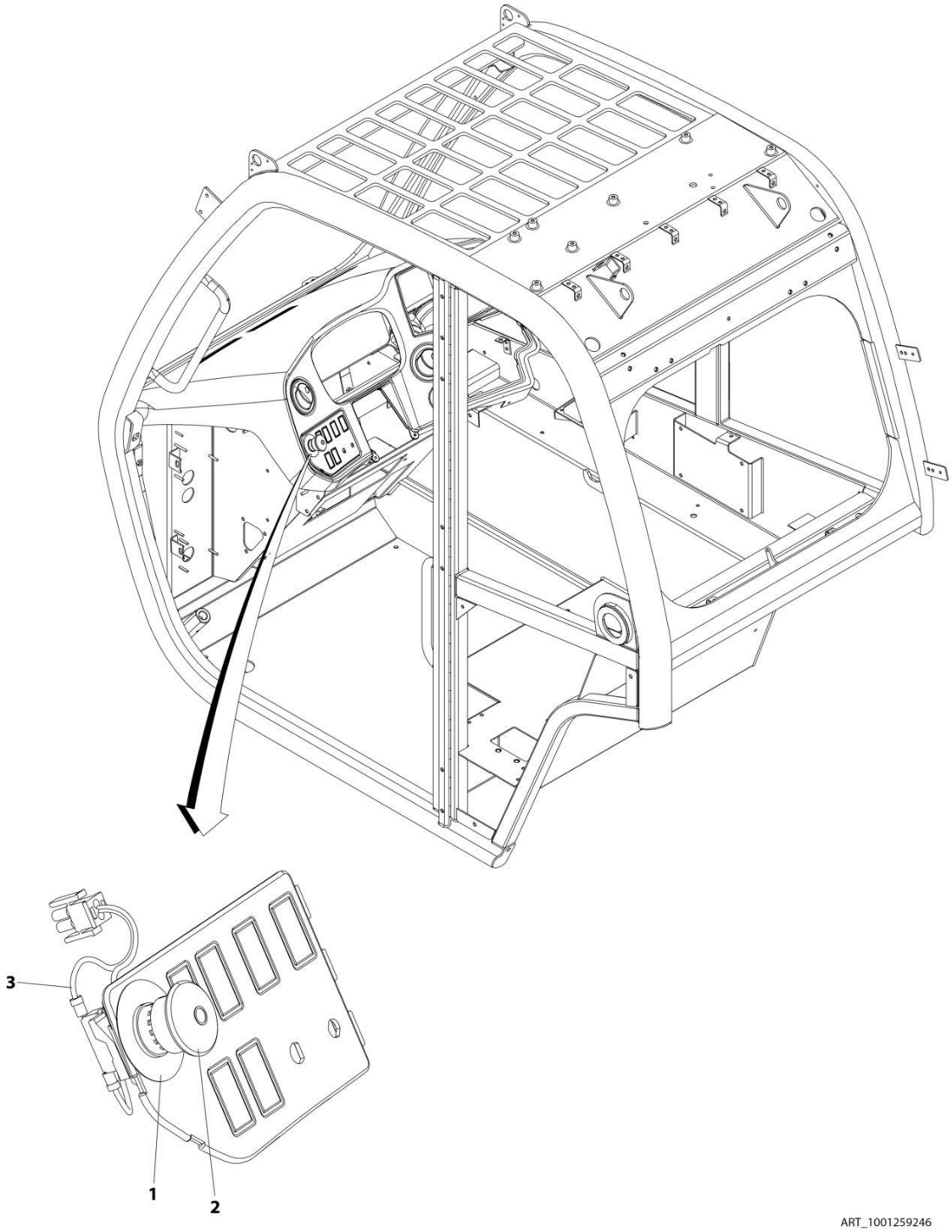


FIGURE 10-89. REMOTE CONTROL EMERGENCY STOP SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259246	Ref	Remote Control Emergency Stop Switch Installation	A
1	1704260	1	Decal - Emergency Stop	
2	4360475	1	Switch, Emergency Stop	
3	1001259224	1	Harness, EMS Switch	
3	4460320	1	Connector	
3	4460183	2	Terminal	

FIGURE 10-90. REMOTE CONTROL POWER HARNESS

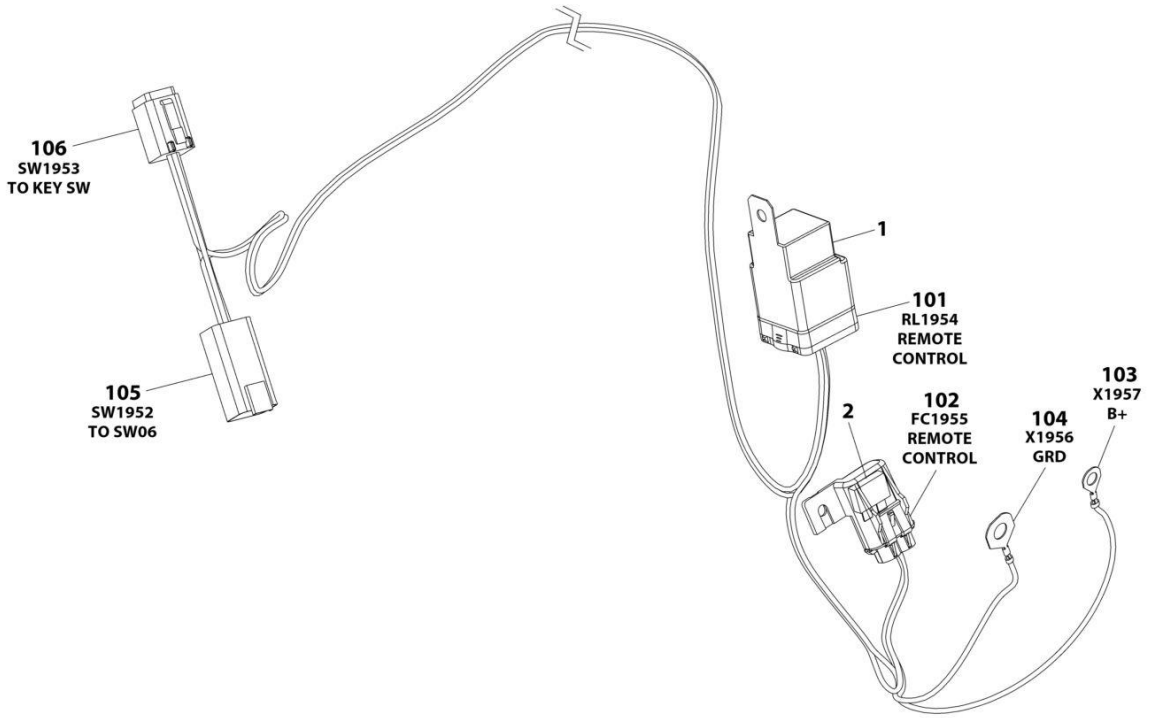


FIGURE 10-90. REMOTE CONTROL POWER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259205	Ref	Remote Control Power Harness	A
1	3740080	1	Relay	
2	8229234	1	Fuse, 10Amp	
101	1001231398	1	Connector, Relay	
101	1001231400	4	Terminal	
101	1001231404	4	Seal, Terminal	
101	1001231406	1	Plug, Terminal	
102	1001231397	1	Connector - 2 Position	
102	1001231400	2	Terminal	
102	1001231404	2	Seal, Terminal	
103	1001207173	1	Terminal, Ring	
104	1001211775	1	Terminal, Ring	
105	4460899	1	Receptacle, Female - 6 Position	
105	4460464	4	Pin, Male	
105	4460466	2	Plug, Terminal	
106	4460894	1	Plug, Male - 6 Position	
106	4460465	4	Socket, Female	
106	4460466	2	Plug, Terminal	

FIGURE 10-91. TBAP HARNESS (1075)

FIGURE 10-91. TBAP HARNESS (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184835	Ref	TBAP Harness	C
1	10011184495	1	Connector	
	1001260509	4	Terminal	
	1001184496	4	Seal	
2	1001184491	1	Connector	
	1001184493	4	Terminal	

FIGURE 10-92. TELEMATICS CANBUS INSTALLATION

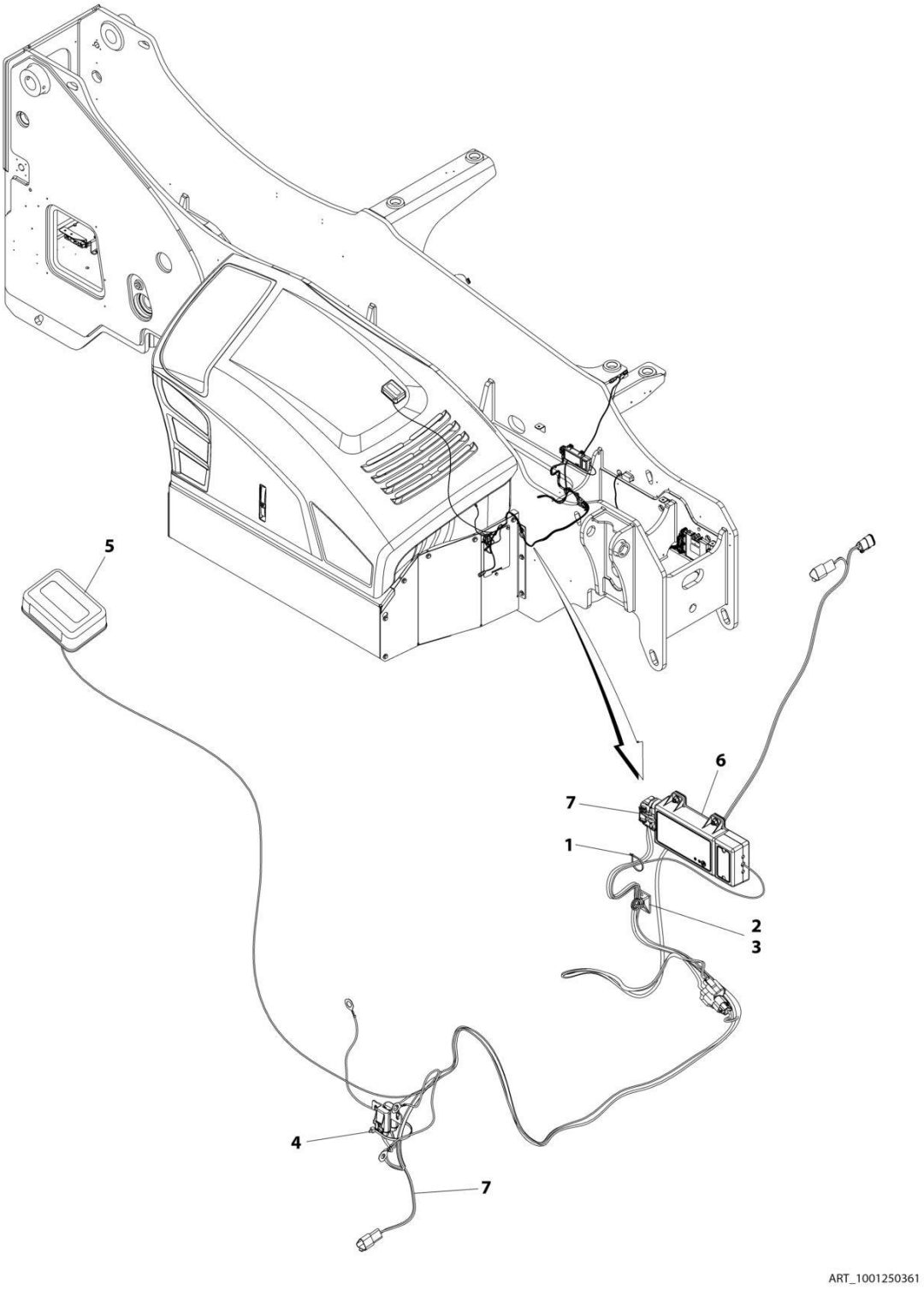


FIGURE 10-92. TELEMATICS CANBUS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250361	Ref	TELEMATICS CANBUS INSTALLATION (CLEARSKY 2)	C
1	1062255	AR	Tie, Strap	
2	4240032	AR	Tie, Strap	
3	4460234	AR	Tie, Strap	
4	1001008559	1	Strap, Cable	
5	1001262326	1	Antenna, ClearSky Telematics	
6	1001262322	1	Module, ClearSky Telematics Canbus	
7	1001250701	1	Harness, Clearsky (See Separate Breakdown in this section)	

FIGURE 10-93. TELEMATICS CLEARSKY HARNESS - CANBUS

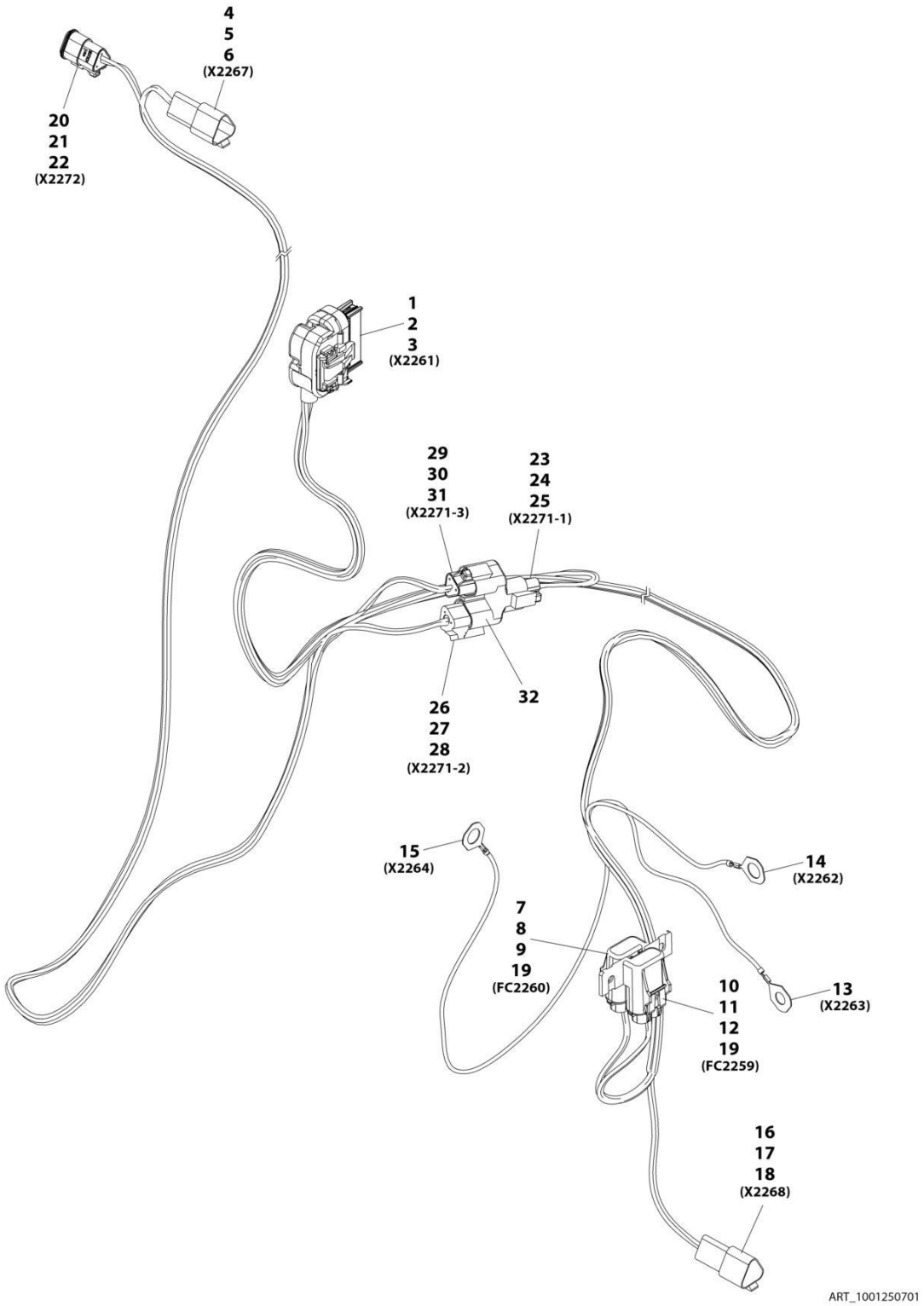


FIGURE 10-93. TELEMATICS CLEARSKY HARNESS - CANBUS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250701	Ref	HARNESS (CLEARSKY)	C
1	1001226636	1	Connector	
2	1001116731	17	Plug	
3	1001226637	7	Terminal	
4	1001144147	1	Connector	
5	4460943	2	Terminal	
6	4460466	1	Plug	
7	1001231397	1	Connector	
8	1001231399	2	Terminal	
9	1001231404	2	Seal	
10	1001231397	1	Connector	
11	1001231399	2	Terminal	
12	1001231404	2	Seal	
13	1001211775	1	Terminal, Ring	
14	1001187077	1	Terminal, Ring	
15	1001187077	1	Terminal, Ring	
16	1001144147	1	Connector	
17	4460464	2	Terminal	
18	4460466	1	Plug	
19	8229261	2	Fuse, 5amp	
20	1001116812	1	Connector	
21	4460944	2	Terminal	
22	4460466	1	Plug	
23	1001116812	1	Connector	
24	4460944	2	Terminal	
25	4460466	1	Plug	
26	4460539	1	Connector	
27	4460944	2	Terminal	
28	4460466	1	Plug	
29	1001116812	1	Connector	
30	4460944	2	Terminal	
31	4460466	1	Plug	
32	4460945	1	Connector, 3 Way	

FIGURE 10-94. TELEMATICS CLEARSKY INSTALLATION 3-WIRE (ANSI)

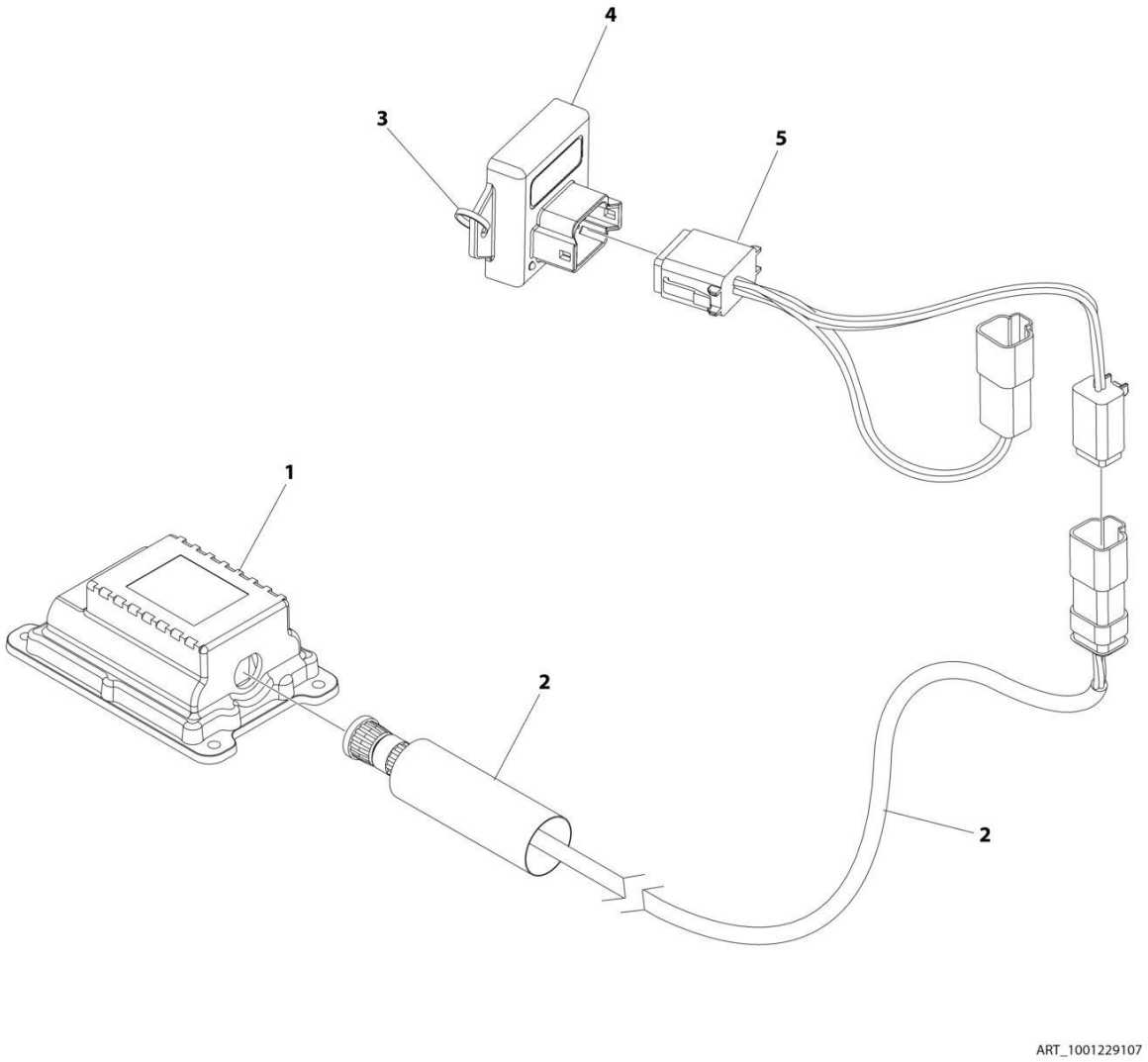


FIGURE 10-94. TELEMATICS CLEARSKY INSTALLATION 3-WIRE (ANSI)

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

FIGURE 10-95. TELEMATICS CLEARSKY HARNESS - 3-WIRE

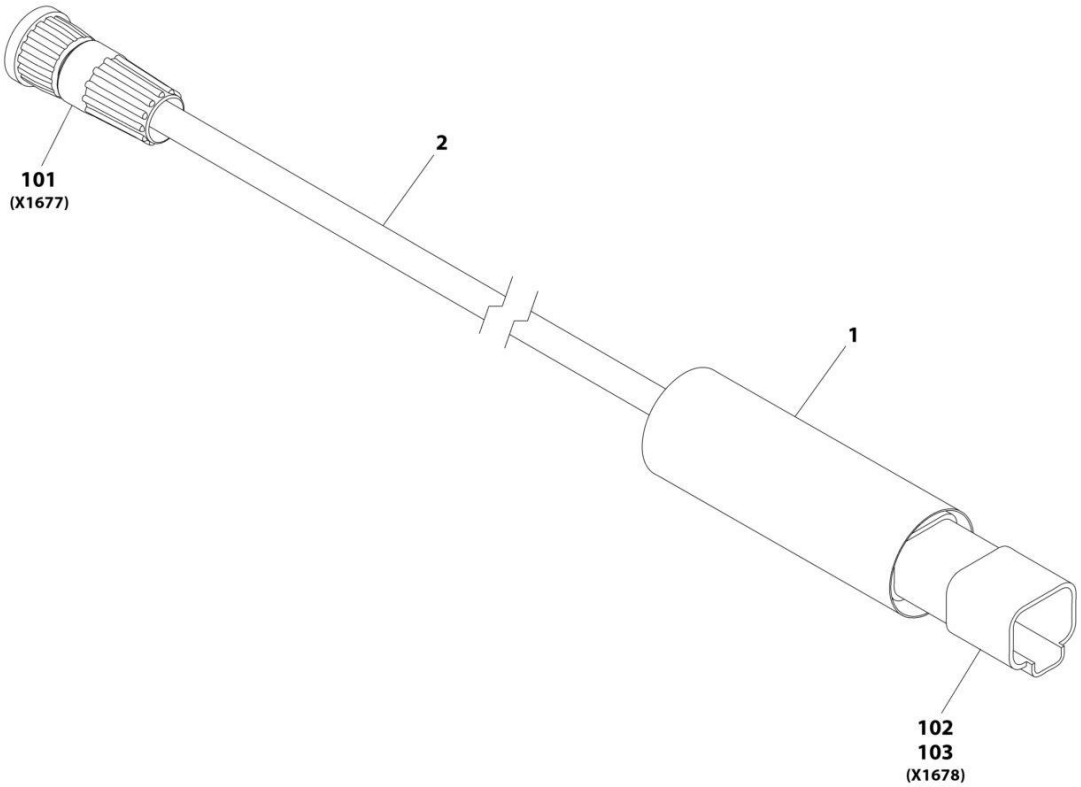


FIGURE 10-95. TELEMATICS CLEARSKY HARNESS - 3-WIRE

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

FIGURE 10-96. TELEMATICS GATEWAY INSTALLATION

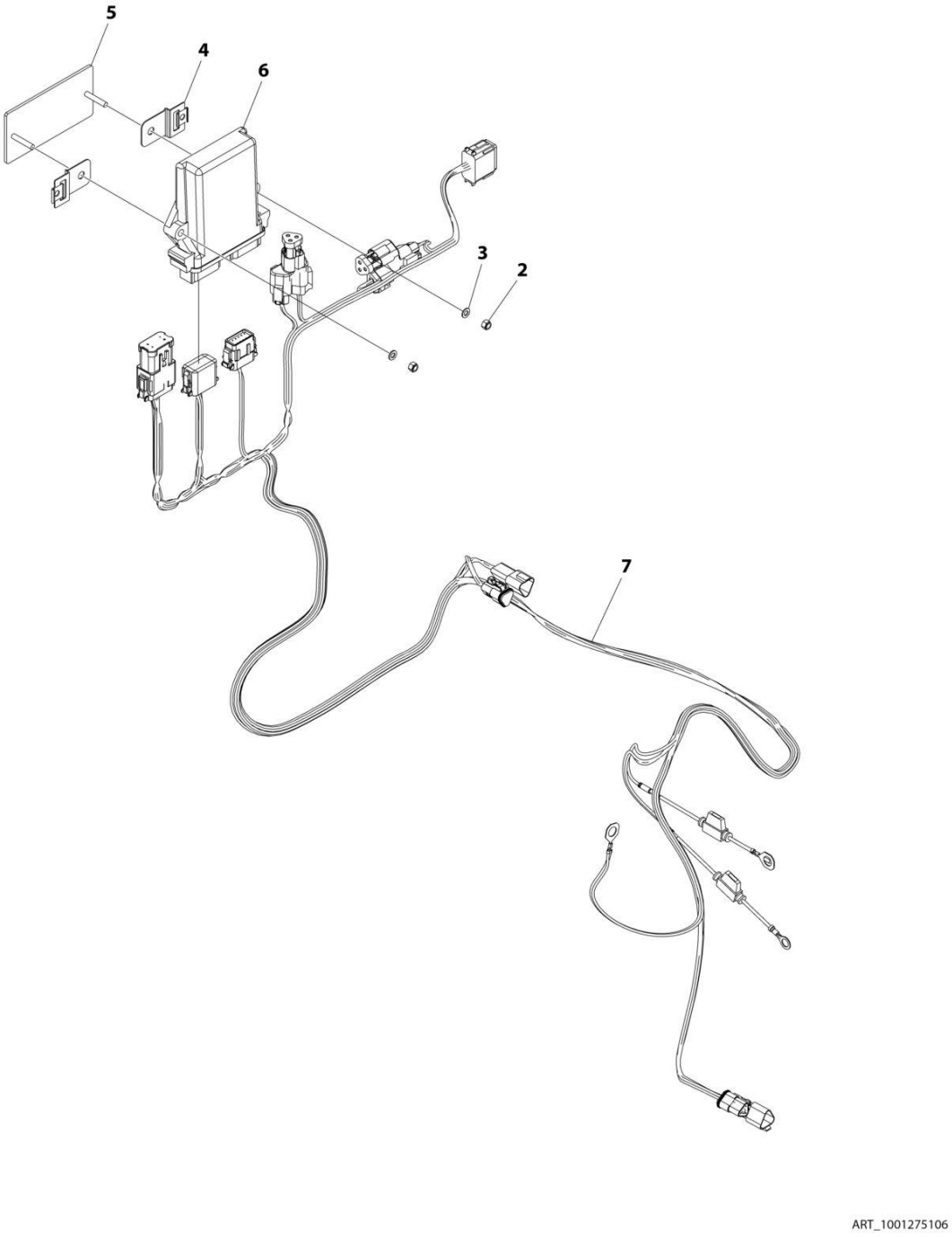


FIGURE 10-96. TELEMATICS GATEWAY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275106	Ref	TELEMATICS GATEWAY INSTALLATION	A
1	1062255	AR	Tie-Strap (Not Shown)	
2	3290505	2	Nut M5	
3	4811600	2	Washer M5	
4	1001153749	2	Clip	
5	1001219082	1	Bracket	
6	1001229458	1	Controller, Gateway	
7	1001275105	1	Harness, Telematics Gateway (See Separate Breakdown in this Section)	

FIGURE 10-97. TELEMATICS GATEWAY HARNESS

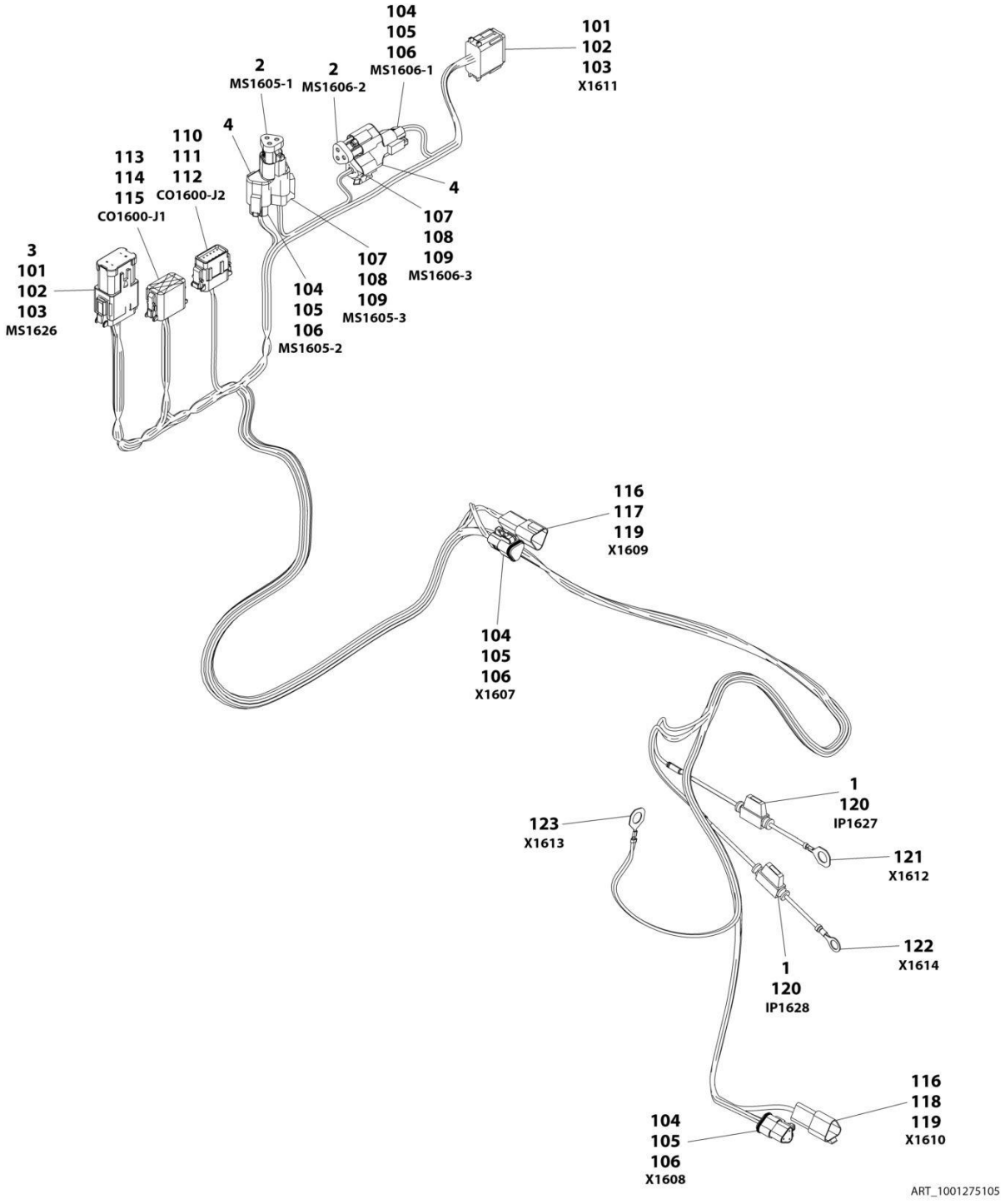


FIGURE 10-97. TELEMATICS GATEWAY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275105	Ref	TELEMATICS GATEWAY HARNESS	A
1	8229242	2	Fuse, 5AMP	
2	1001116815	2	Connector, Plug - 3 Position	
3	1001200206	1	Connector, Buss - 12 Position	
4	4460945	2	Receptacle, 3 - Way	
101	4460933	2	Connector - 12 Position	
102	4460465	17	Socket, Female	
103	4460466	7	Plug, Terminal	
104	1001116812	4	Plug, Male - 3 Position	
105	4460465	8	Socket, Female	
106	4460466	4	Plug, Terminal	
107	4460539	2	Plug, Male - 3 Position	
108	4460465	4	Socket, Female	
109	4460466	2	Plug, Terminal	
110	1001116808	1	Connector - 12 Position	
111	1001126008	2	Terminal	
112	4460518	10	Plug, Terminal	
113	1001116774	1	Connector - 12 Position	
114	1001126008	6	Terminal	
115	4460518	6	Plug, Terminal	
116	1001144147	2	Receptacle, Female - 3 Position	
117	4460943	2	Pin, Male	
118	4460464	2	Pin, Male	
119	4460466	2	Plug, Terminal	
120	2400060	2	Fuseholder with Cover	
121	1001187078	1	Terminal, Ring	
122	4460670	1	Terminal, Ring	
123	1001187081	1	Terminal, Ring	

FIGURE 10-98. TELEMATICS READY INSTALLATION

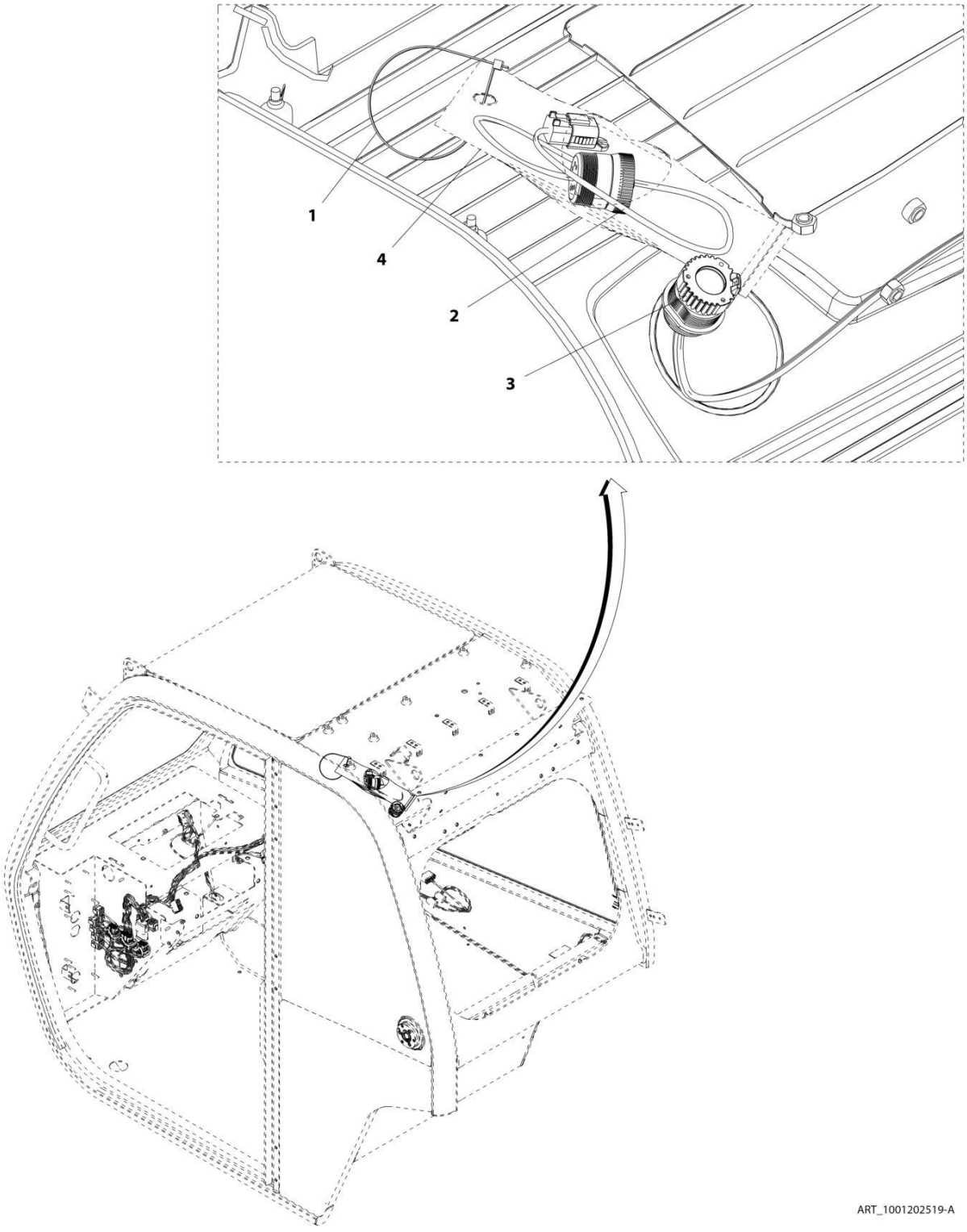


FIGURE 10-98. TELEMATICS READY INSTALLATION

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

FIGURE 10-99. TELEMATICS READY HARNESS

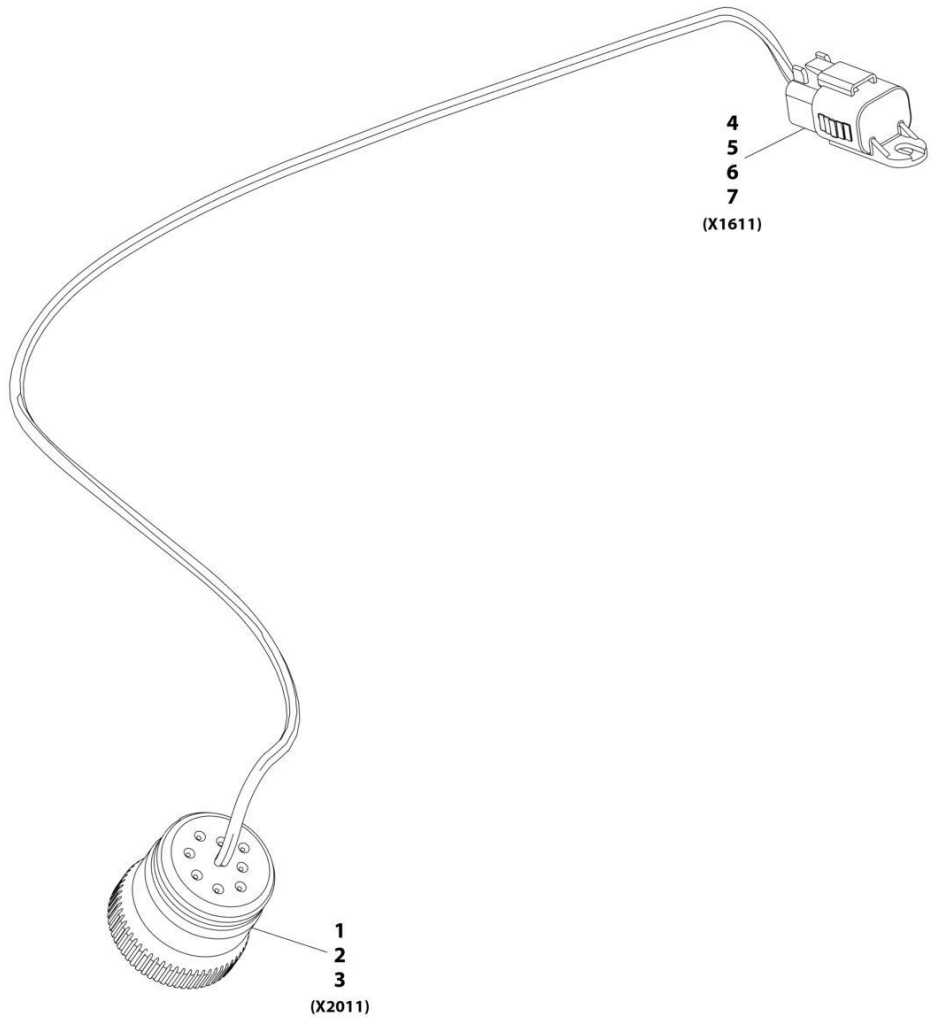


FIGURE 10-99. TELEMATICS READY HARNESS

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

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SECTION 11 - DECALS

FIGURE 11-1. BRANDING DECAL INSTALLATION (1075)

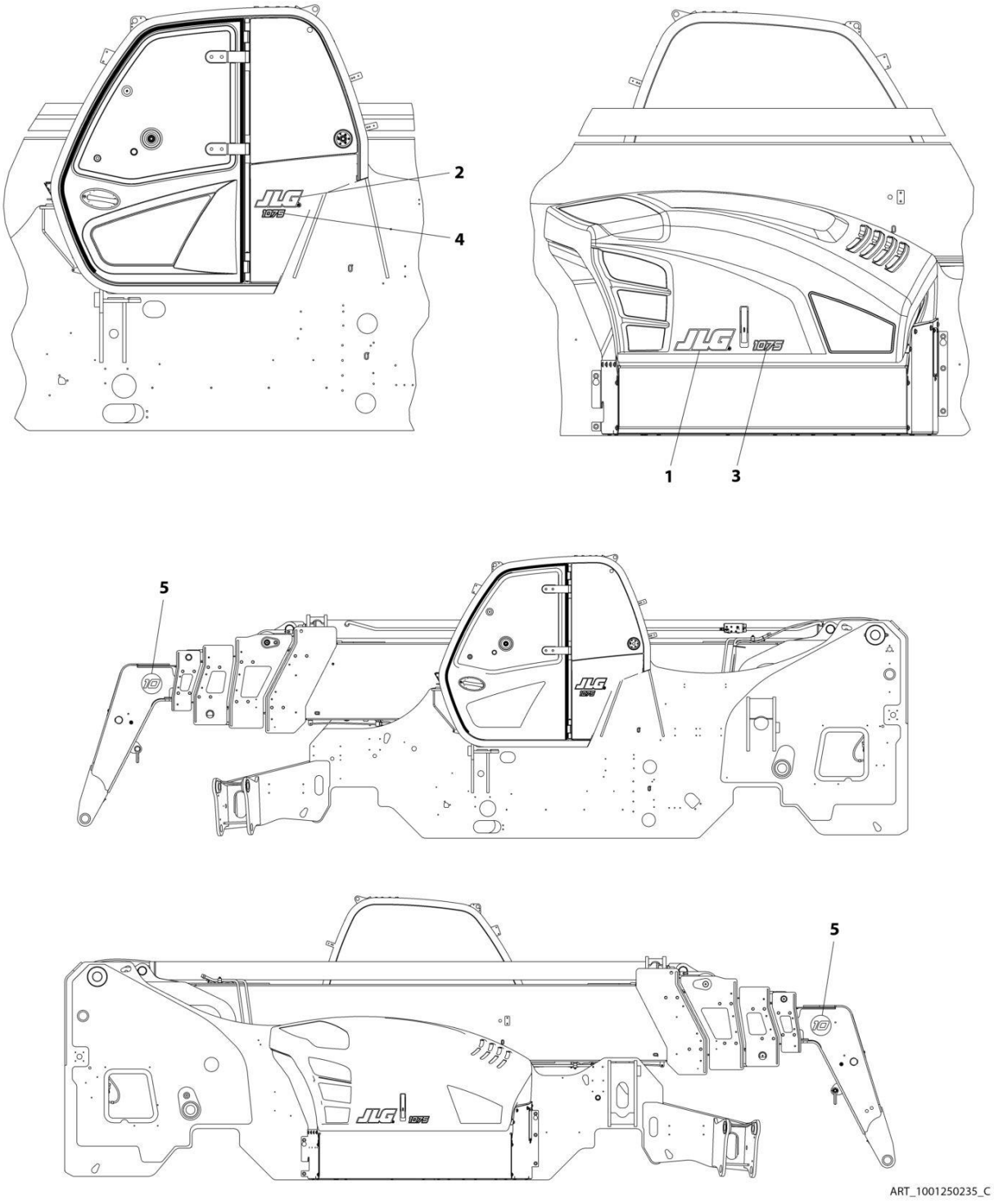


FIGURE 11-1. BRANDING DECAL INSTALLATION (1075)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250235	Ref	BRANDING DECAL INSTALLATION	C
1	1001160775	1	Decal, JLG 5 Black	
2	1001169674	1	Decal, JLG	
3	1001276766	1	Decal, JLG 1075 Hood	
4	1001276767	1	Decal, JLG 1075 Cab	
5	1001279167	2	Decal, Boom Head	

FIGURE 11-2. BRANDING DECAL INSTALLATION (4523)

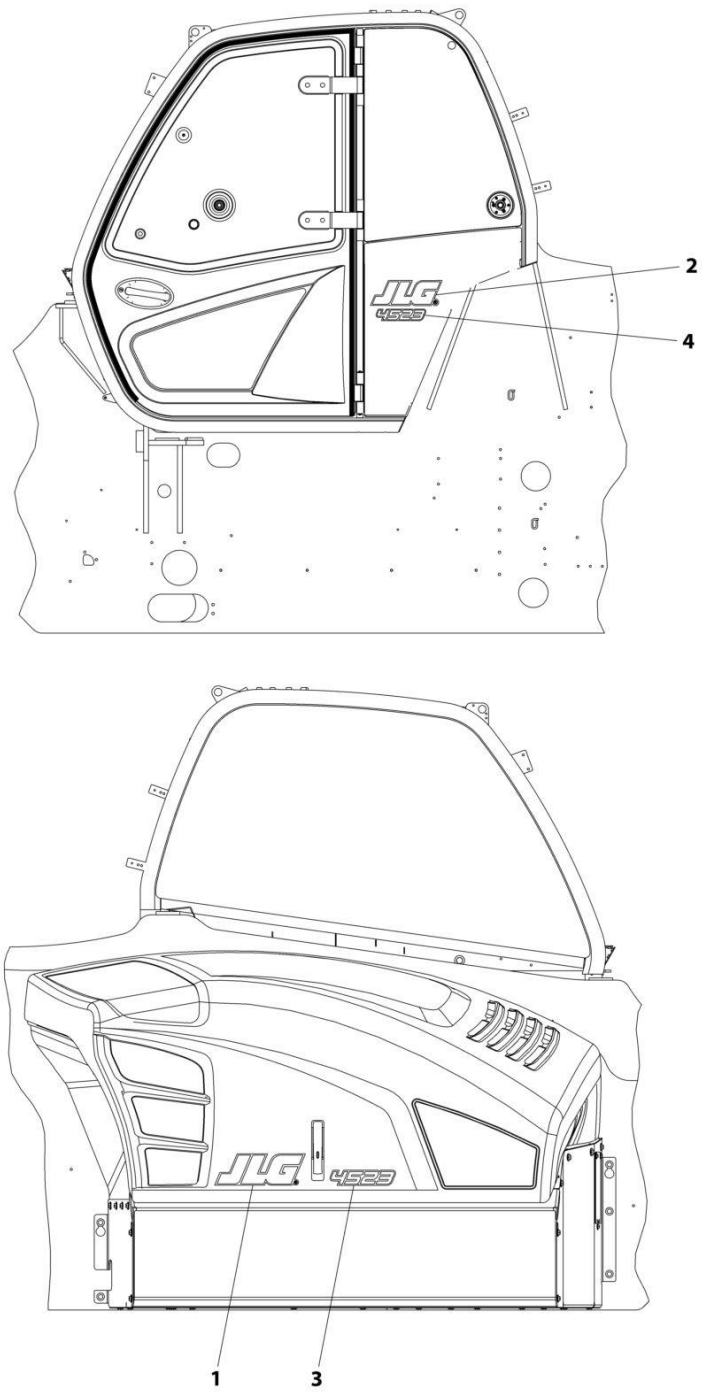
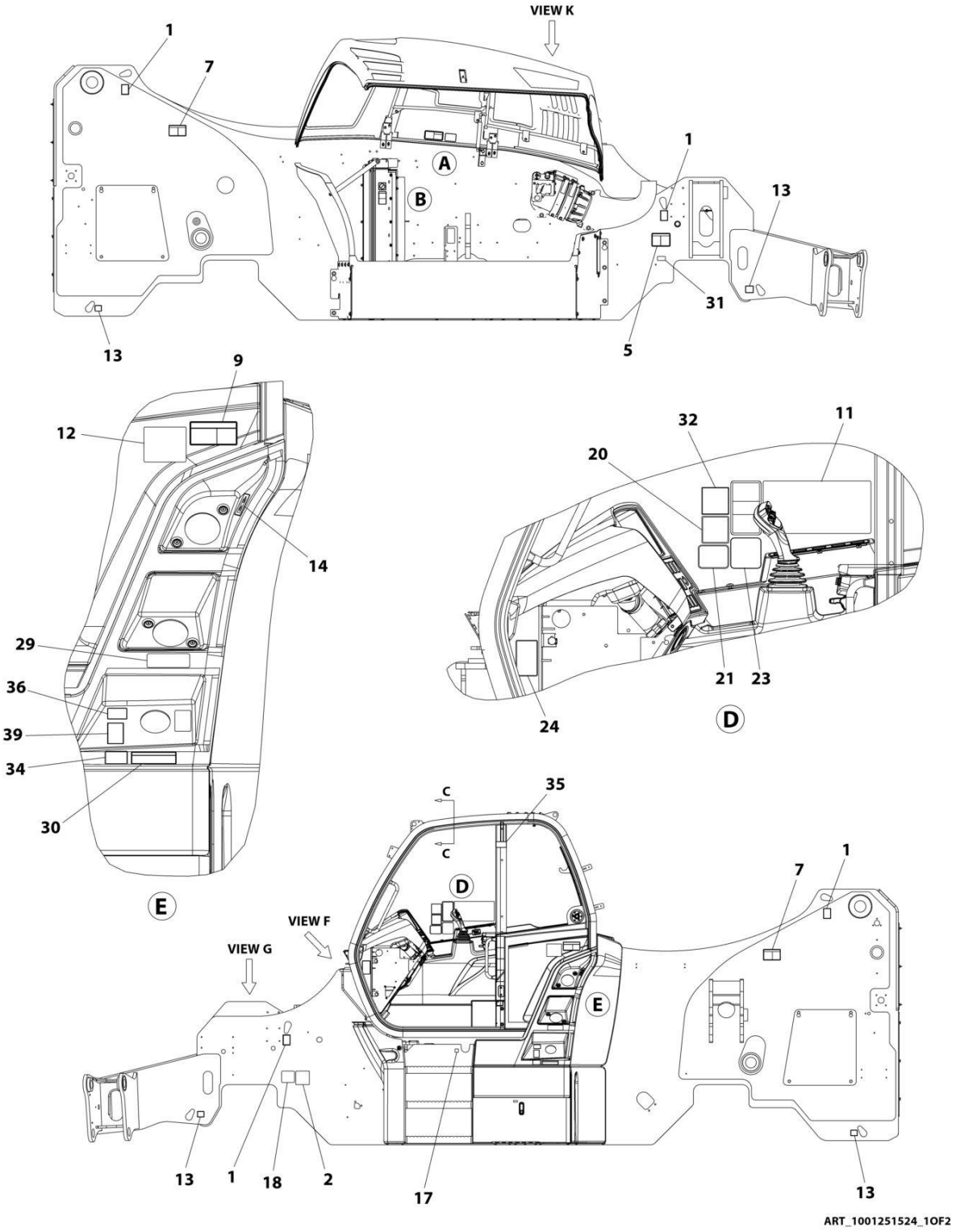


FIGURE 11-2. BRANDING DECAL INSTALLATION (4523)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001278111	Ref	BRANDING DECAL INSTALLATION	A
1	1001160775	1	Decal, JLG 5 Black	
2	1001169674	1	Decal, JLG	
3	1001278109	1	Decal, JLG 4523 Hood	
4	1001278110	1	Decal, JLG 4523 Cab	

SECTION 11 - DECALS

FIGURE 11-3. DECAL INSTALLATION (ANSI)



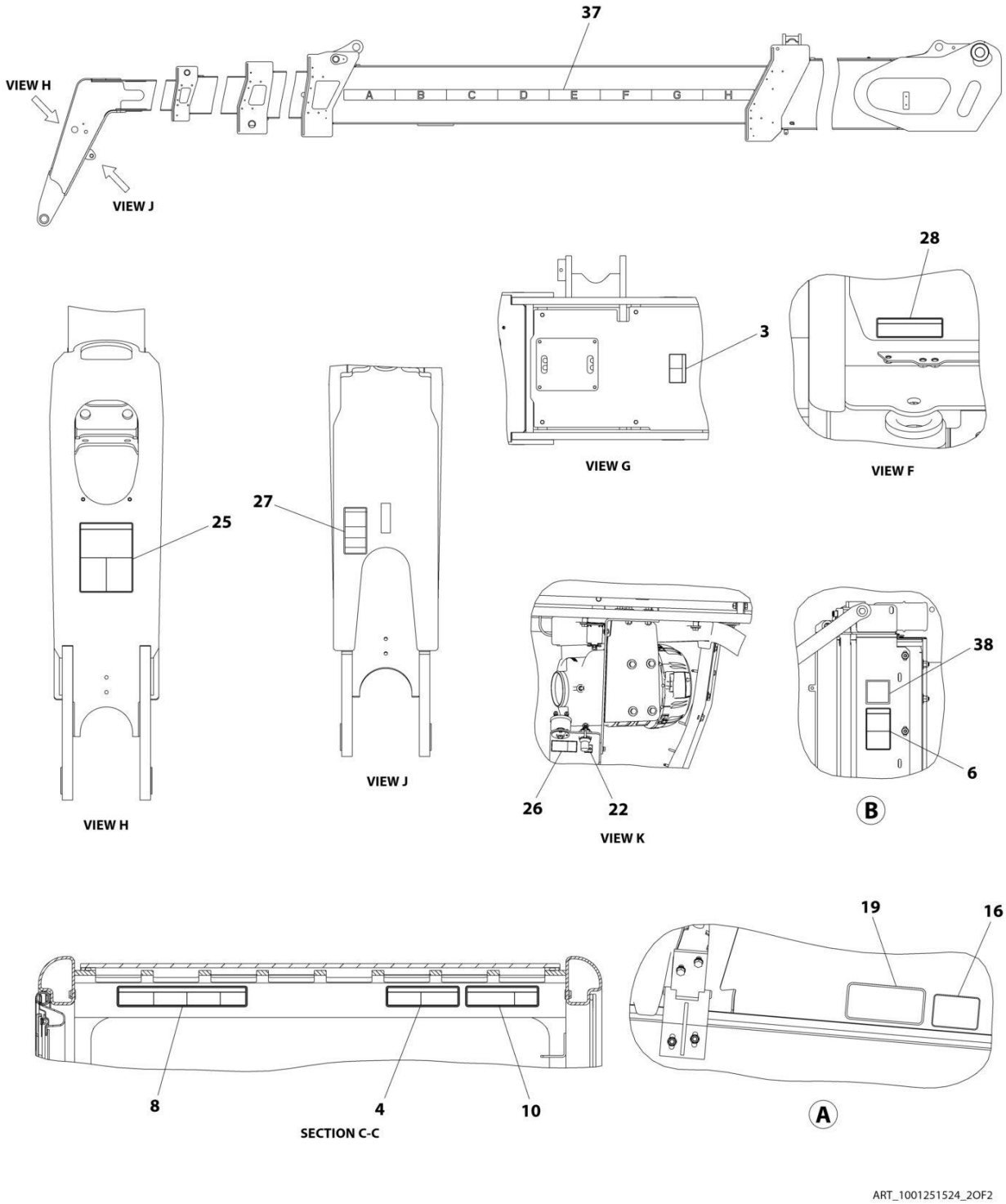

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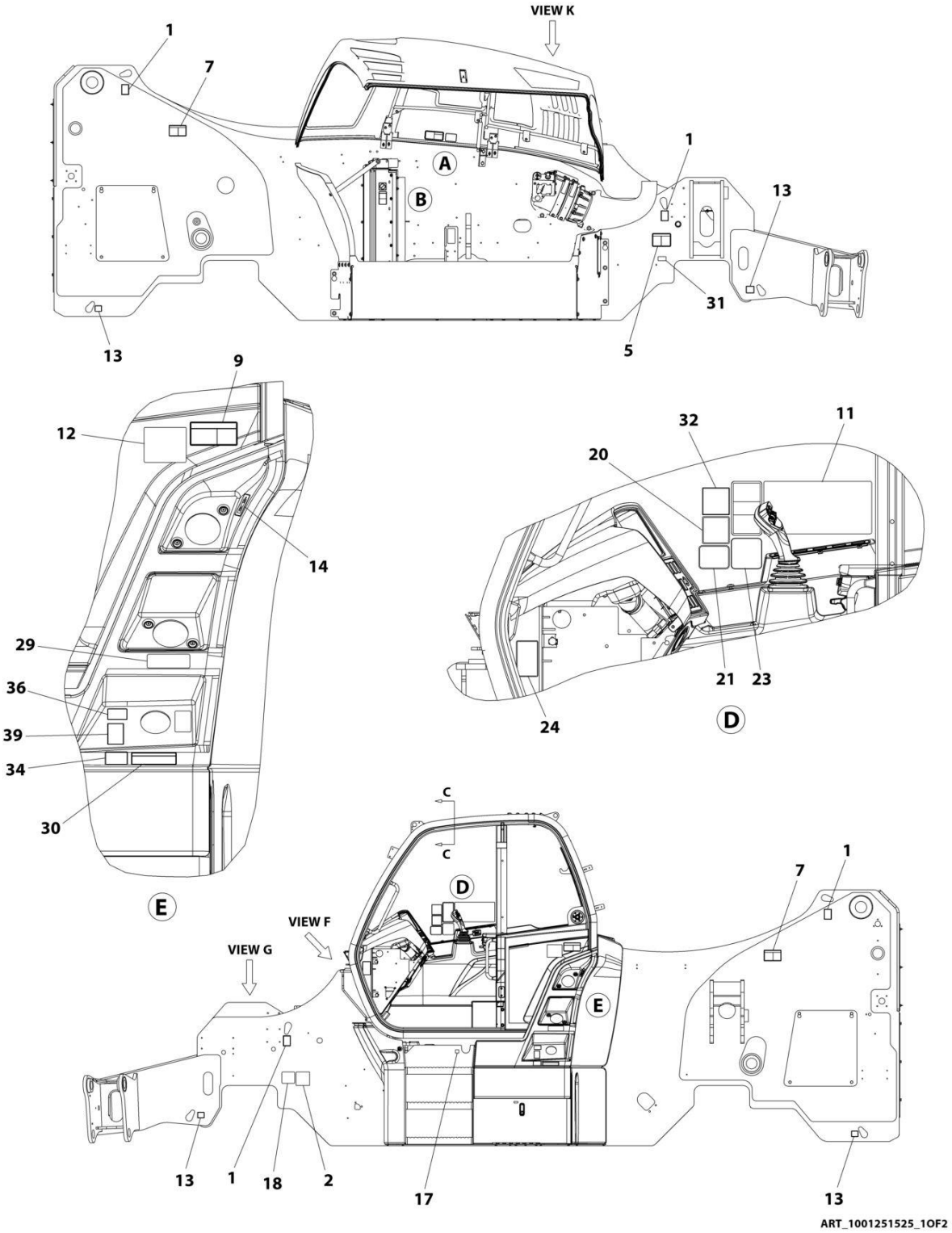
FIGURE 11-3. DECAL INSTALLATION (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251524	Ref	DECAL INSTALLATION (ANSI)	C
1	1701500	4	Decal, Lift	
2	1702631	1	Decal, Bar Code	
3	1706296	1	Decal, Battery Warning	
4	1706299	1	Decal, Contacting Power Lines Warning	
5	1706300	1	Decal, Ether Warning	
6	1706301	1	Decal, Keep Clear Of Rotating Parts Warning	
7	1706302	2	Decal, Pinch Point Boom Holes	
8	1706306	1	Decal, Tip Over Warning	
9	1706768	1	Decal, Vehicle Roll Away	
10	1706850	1	Decal, Crush Hazard Warning	
11	1707078	1	Decal, Warning/Danger Cab	
12	3251813	1	Decal, USA	
13	4109801	4	Decal, Tie Down Point	
14	4100181	1	Decal, Hydraulic Oil Fill	
16	1001109053	1	Decal, Coolant Fill	
17	1001130323	1	Decal, Oil Level	
18	1001131271	1	Decal, Patent	
19	1001139578	1	Decal, Hot Fluid Warning	
20	1001172035	1	Decal, No Weld or Drill	
21	1001181537	1	Decal, Outrigger Switches	
22	1001184632	1	Decal, Battery Positive	
23	1001188372	1	Decal, Sway	
24	1001191229	1	Decal, Fuse Panel	
25	1001195849	1	Decal, Carry Personnel	
26	1001195855	1	Decal, Battery Disconnect	
27	1001207217	1	Decal, Danger Swinging Loads	
28	1001218659	1	Decal, Brake Fluid	
29	1001218704	1	Decal, Ultra Low Sulfur Diesel	
30	1001219212	1	Decal, DEF Fluid	
31	1001223453	1	Decal, ICES	
32	1001227287	1	Decal, Manual Location	
34	1001230310	1	Decal, JLG DEF Tank Service	
35	1001231801	1	Decal, Warning Prop 65 Diesel	
36	1001247646	1	Decal, DEF Min Refill Volume	
37	1001253095	1	Decal, Boom Extend	
38	AU2105	1	Decal, No Karcher	
39	1001196806	1	Decal, Diesel Exhaust Fluid	

SECTION 11 - DECALS

FIGURE 11-4. DECAL INSTALLATION (CSA ENGLISH/FRENCH)



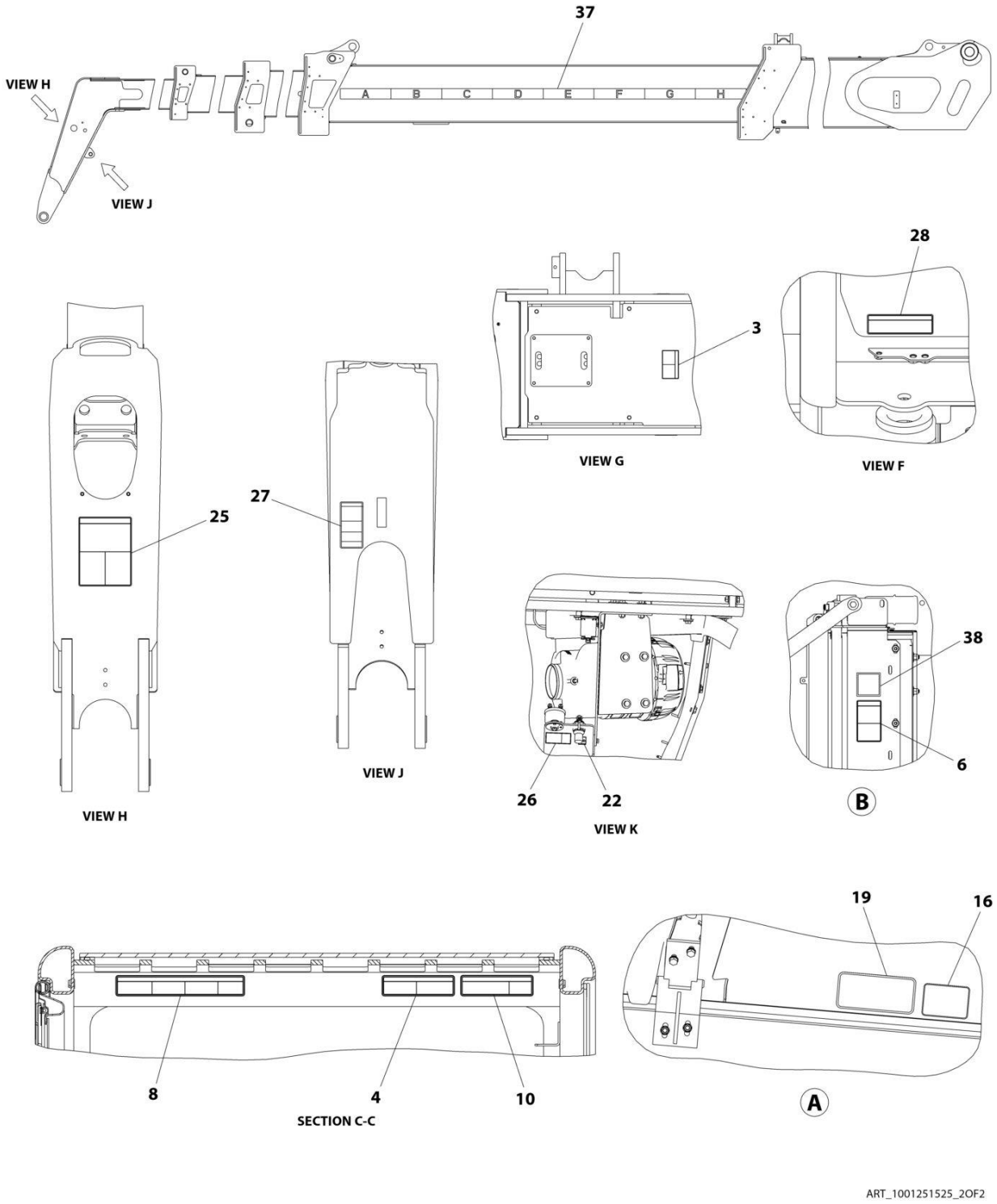

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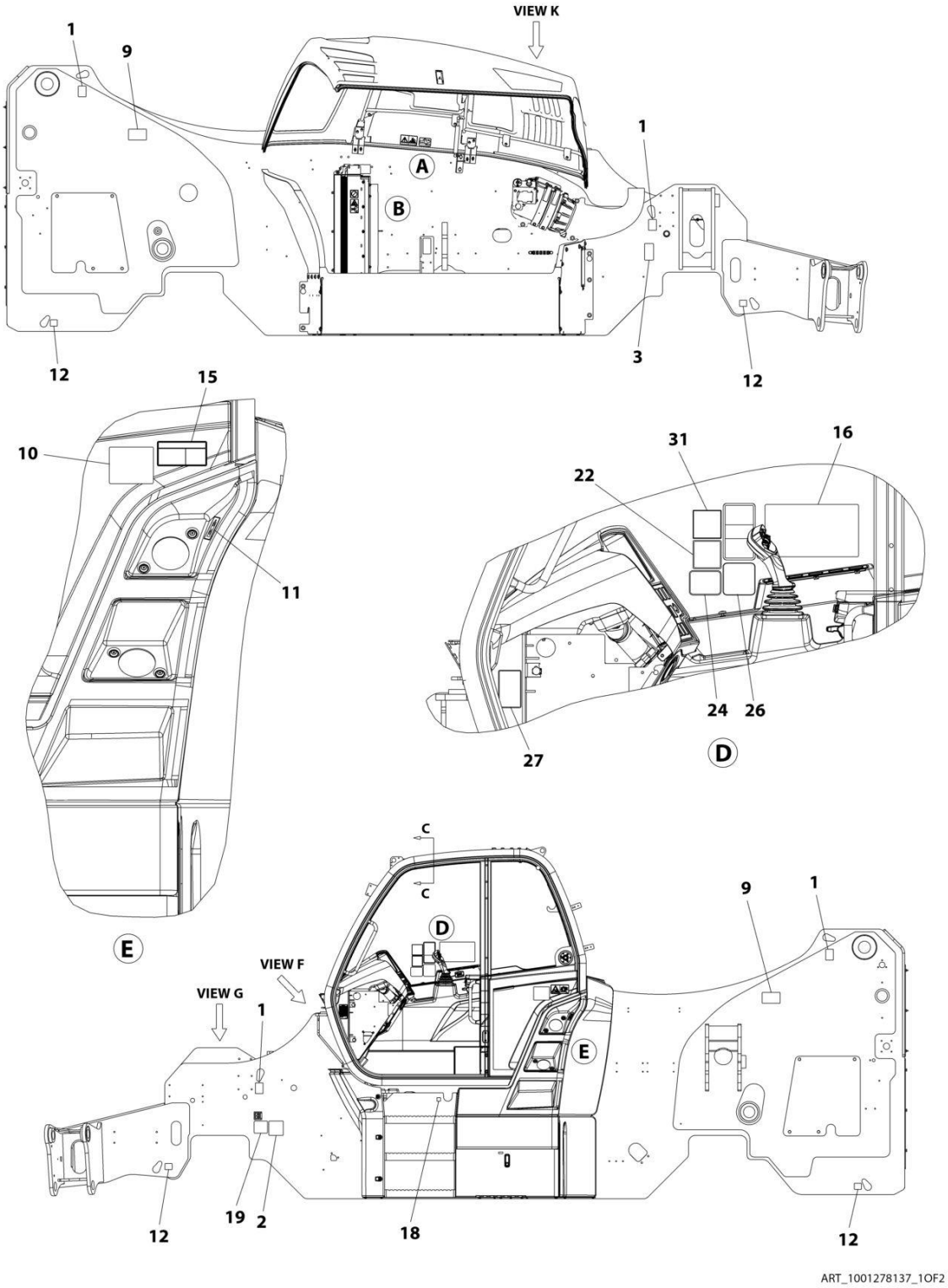
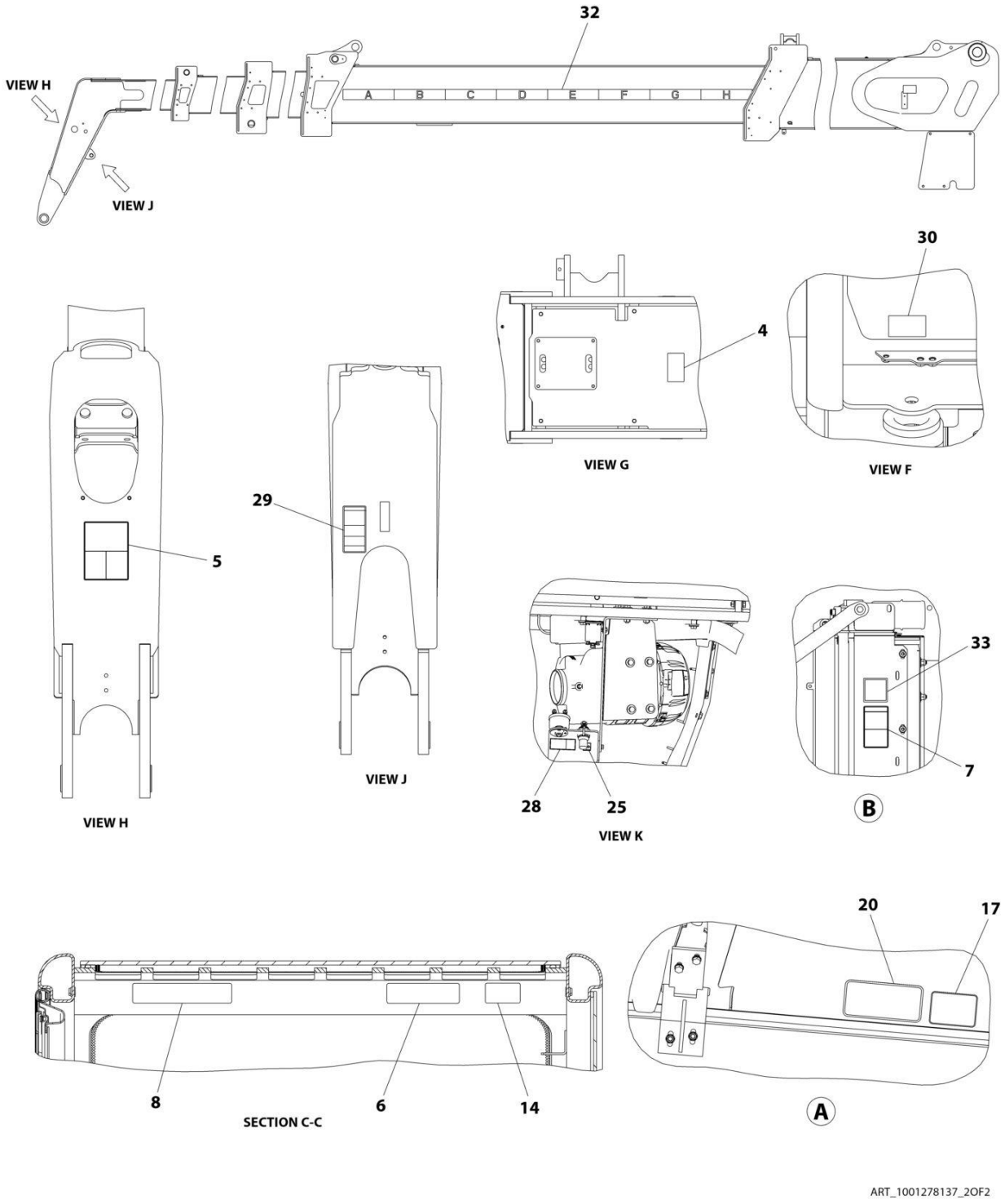
FIGURE 11-4. DECAL INSTALLATION (CSA ENGLISH/FRENCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251525	Ref	DECAL INSTALLATION (CSA ENGLISH/FRENCH)	C
1	1701500	4	Decal, Lift	
2	1702631	1	Decal, Bar Code	
3	1001163174	1	Decal, Battery Warning	
4	1001163210	1	Decal, Electrocution Hazard	
5	1001163212	1	Decal, Warning No Either	
6	1001163222	1	Decal, Moving Parts	
7	1001163223	2	Decal, Pinch Point	
8	1001163285	1	Decal, Warning Tip Over	
9	1001163300	1	Decal, No Riders	
10	1001163304	1	Decal, Warning Crushing Hazard	
11	1001233558	1	Decal, Warning/Danger Cab	
12	3251813	1	Decal, USA	
13	4109801	1	Decal, Tie Down Point	
14	4100181	4	Decal, Hydraulic Oil Fill	
16	1001109053	1	Decal, Coolant Fill	
17	1001130323	1	Decal, Oil Level	
18	1001131271	1	Decal, Patent	
19	1001163323	1	Decal, Warning Hot Fluid	
20	1001172035	1	Decal, No Weld Or Drill	
21	1001181537	1	Decal, Outrigger Switches	
22	1001184632	1	Decal, Battery Positive	
23	1001188372	1	Decal, Sway	
24	1001191229	1	Decal, Fuse Panel	
25	1001195851	1	Decal, Carry Personnel	
26	1001195855	1	Decal, Battery Disconnect	
27	1001209625	1	Decal, Danger Swinging Loads	
28	1001219211	1	Decal, Brake Fluid	
29	1001163355	1	Decal, Ultra Low Sulfur Diesel	
30	1001219212	1	Decal, DEF Fluid	
31	1001223453	1	Decal, ICES	
32	1001227287	1	Decal, Manual Location	
34	1001230311	1	Decal DEF Tank	
36	1001247646	1	Decal, DEF Min Refill Volume	
37	1001253095	1	Decal, Boom Extend	
38	AU2105	1	Decal, No Karcher	
39	1001196806	1	Decal, Diesel Exhaust Fluid	

FIGURE 11-5. DECAL INSTALLATION (ISO)

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SECTION 11 - DECALS

FIGURE 11-5. DECAL INSTALLATION (ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001278137	Ref	DECAL INSTALLATION (ISO)	A
1	1701500	4	Decal, Lift	
2	1702631	1	Decal, Bar Code	
3	1706098	1	Decal, Warning Either Start	
4	1706281	1	Decal, Battery Warning	
5	1706282	1	Decal, Carry Personnel	
6	1706284	1	Decal, Electrocution Hazard	
7	1706285	1	Decal, Moving Parts	
8	1706288	1	Decal, Tipover Warning	
9	1706292	2	Decal, Pinch Point	
10	3251813	1	Decal, USA	
11	4100181	1	Decal, Hydraulic Oil Fill	
12	4109801	4	Decal, Tie Down Point	
14	1001092877	1	Decal, Warning Crushing Hazard	
15	1001092878	1	Decal, No Riders	
16	1001101895	1	Decal, Warning Cab	
17	1001109053	1	Decal, Coolant Fill	
18	1001130323	1	Decal, Oil Level	
19	1001131271	1	Decal, Patent	
20	1001139942	1	Decal, Warning Hot Fluid	
22	1001172035	1	Decal, No Weld or Drill	
24	1001181537	1	Decal, Outrigger Switches	
25	1001184632	1	Decal, Battery Positive	
26	1001188372	1	Decal, Sway	
27	1001191229	1	Decal, Fuse Panel	
28	1001195855	1	Decal, Battery Disconnect	
29	1001207218	1	Decal, Danger Swinging Loads	
30	1001219211	1	Decal, Brake Fluid	
31	1001227287	1	Decal, Manual Location	
32	1001253095	1	Decal, Boom Extend	
33	AU2105	1	Decal, No Karcher	

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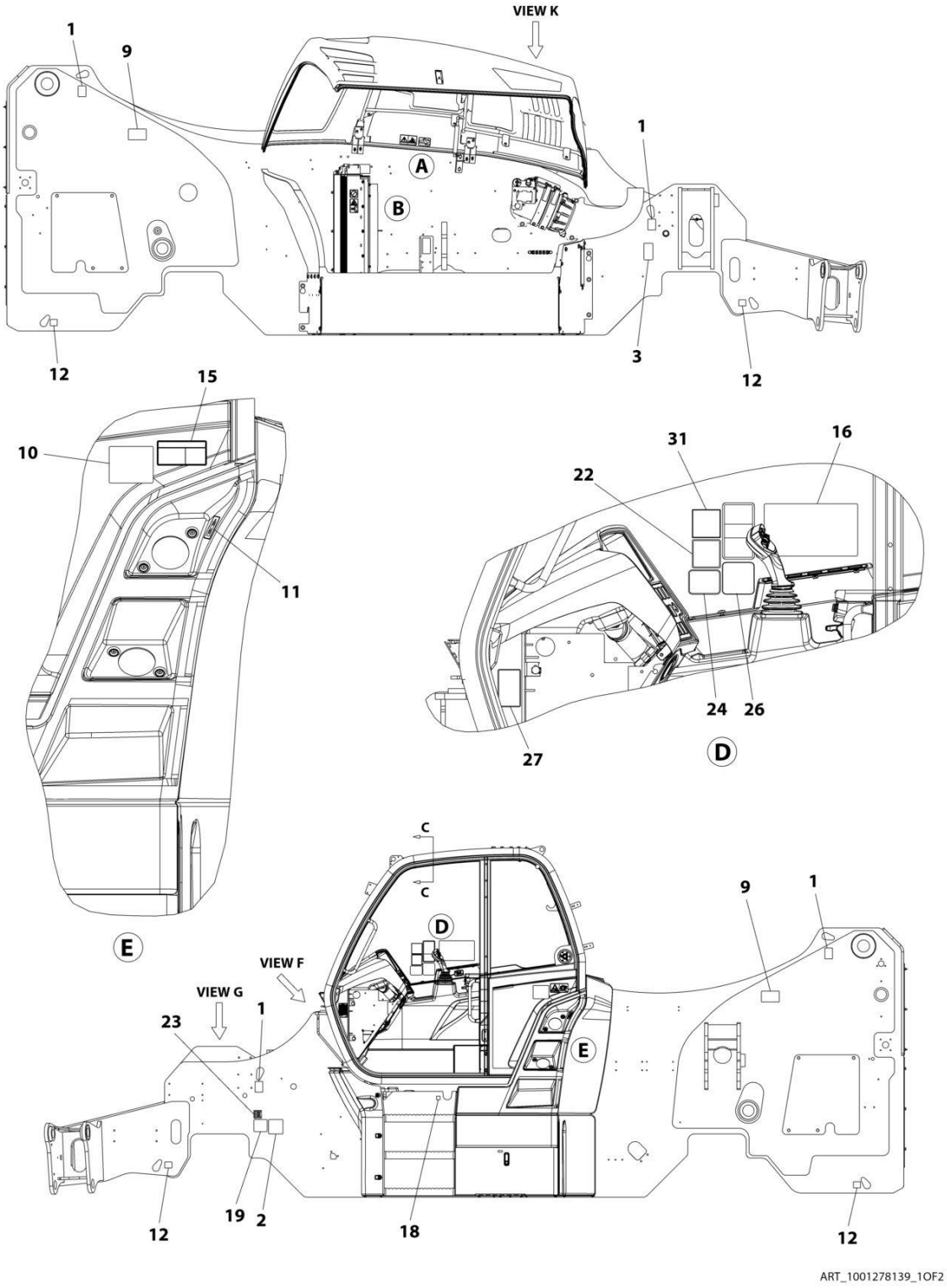
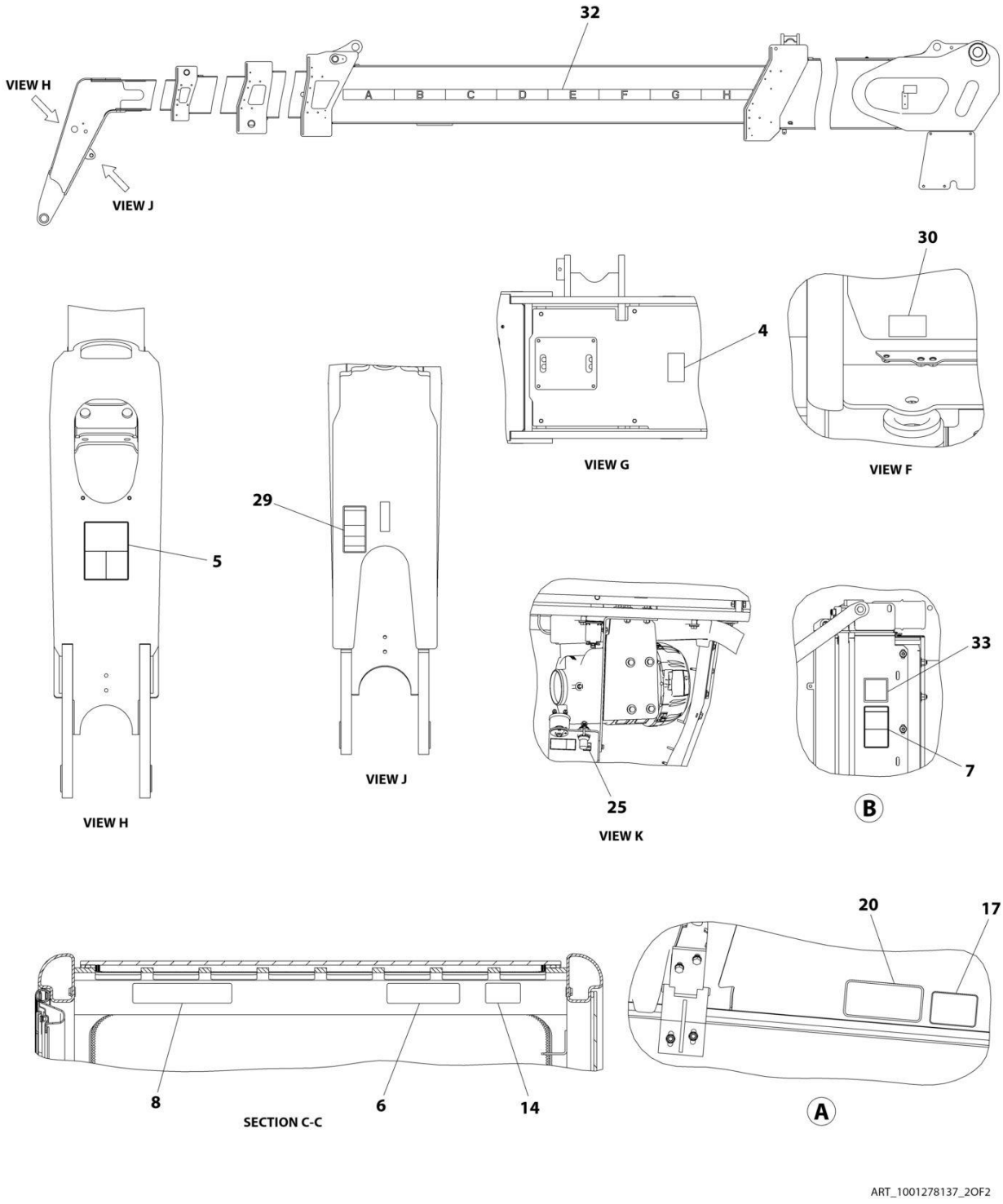
FIGURE 11-6. DECAL INSTALLATION (RUSSIAN/CIS)

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SECTION 11 - DECALS

FIGURE 11-6. DECAL INSTALLATION (RUSSIAN/CIS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001278139	Ref	DECAL INSTALLATION (RUSSIAN/CIS)	A
1	1701500	4	Decal, Lift	
2	1702631	1	Decal, Bar Code	
3	1706098	1	Decal, Ether Warning	
4	1706281	1	Decal, Battery Warning	
5	1706282	1	Decal, Carry Personnel	
6	1706284	1	Decal, Electrocution Hazard	
7	1706285	1	Decal, Moving Parts	
8	1706288	1	Decal Tipover Warning	
9	1706292	2	Decal, Pinch Point	
10	3251813	1	Decal, USA	
11	4100181	1	Decal, Hydraulic Oil Fill	
12	4109801	4	Decal, Tie Down Point	
14	1001092877	1	Decal, Crush Hazard Warning	
15	1001092878	1	Decal, No Rider	
16	1001101895	1	Decal, Warning - Cab	
17	1001109053	1	Decal, Coolant Fill	
18	1001130323	1	Decal, Oil Level	
19	1001131271	1	Decal, Patent	
20	1001139942	1	Decal, Hot Fluid Warning	
22	1001172035	1	Decal, No Weld or Drill	
23	1001173703	1	Decal, EAC	
24	1001181537	1	Decal, Outrigger Switches	
25	1001184632	1	Decal, Battery Positive	
26	1001188372	1	Decal, Sway	
27	1001191229	1	Decal, Fuse Panel	
29	1001207218	1	Decal, Danger Swinging Loads	
30	1001219211	1	Decal, Brake Fluid	
31	1001227287	1	Decal, Manual Location	
32	1001253095	1	Decal, Boom Extend	
33	AU2105	1	Decal, No Karcher	

FIGURE 11-7. LOADCHARTS (ANSI SAE)

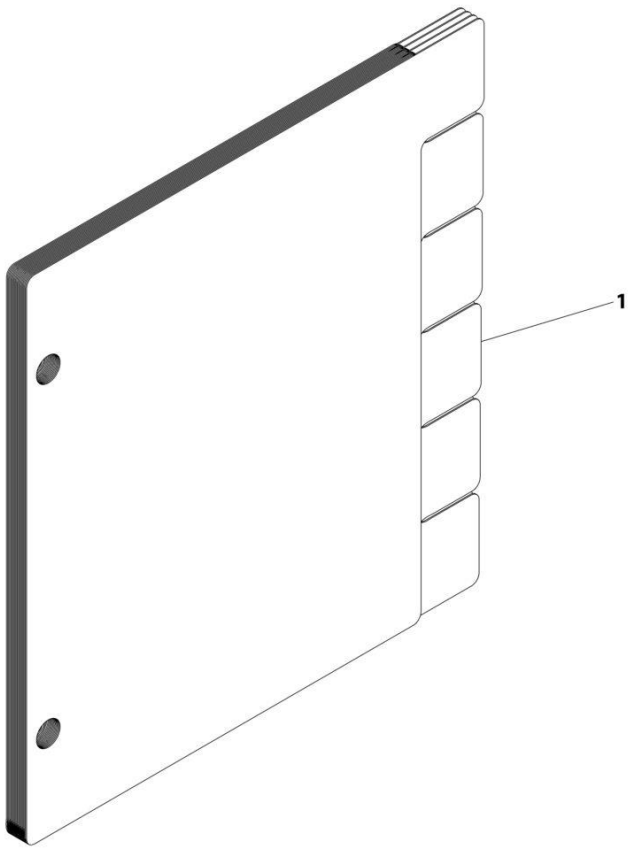

FIGURE 11-7. LOADCHARTS (ANSI SAE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001259238	1	LOADCHARTS (ANSI)	

FIGURE 11-8. LOADCHARTS (ANSI METRIC)

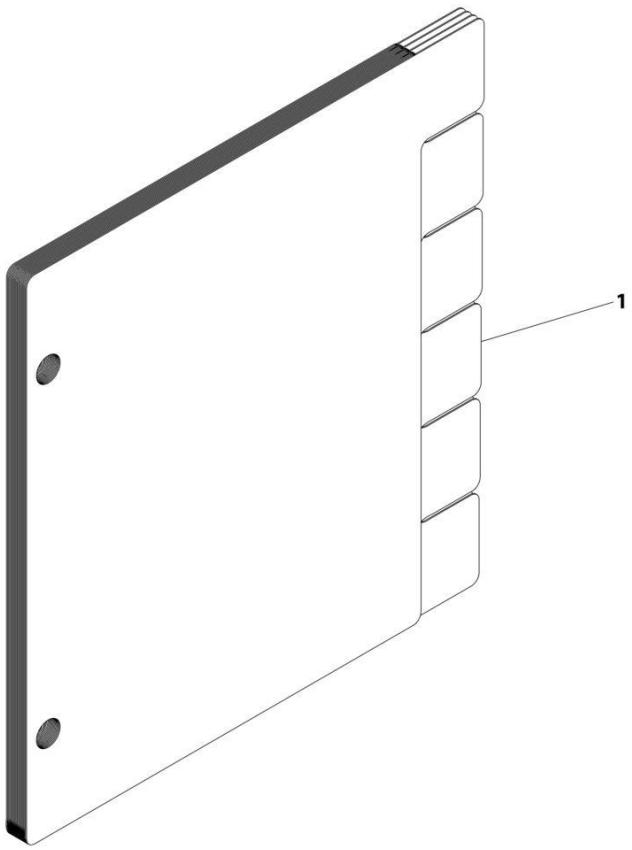

FIGURE 11-8. LOADCHARTS (ANSI METRIC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001278570	1	LOADCHARTS (ANSI METRIC)	A

SECTION 11 - DECALS

FIGURE 11-9. LOADCHARTS - REMOTE CONTROL BOOM (ANSI)

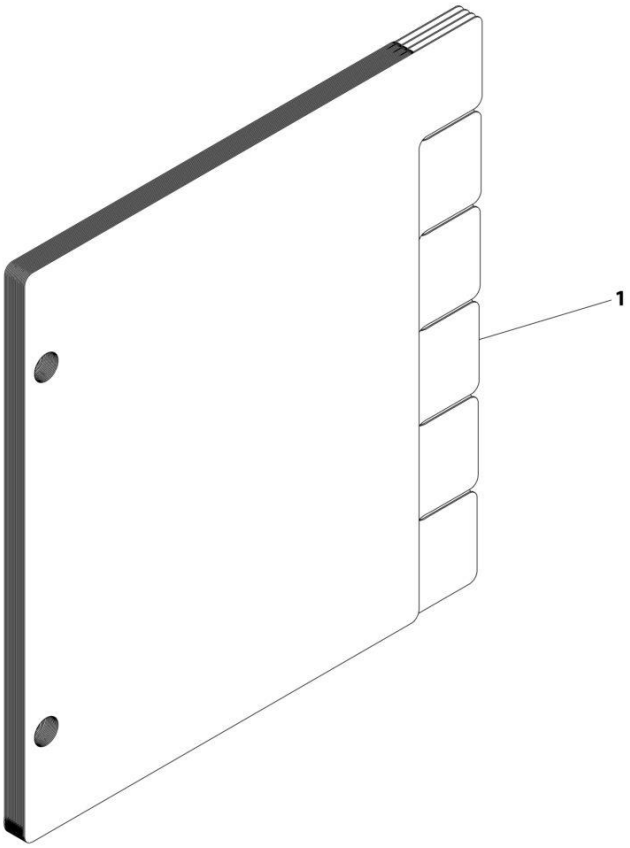

FIGURE 11-9. LOADCHARTS - REMOTE CONTROL BOOM (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001271062	1	LOADCHARTS – REMOTE CONTROL BOOM (ANSI)	A

SECTION 11 - DECALS

FIGURE 11-10. LOADCHARTS - REMOTE CONTROL BOOM WITH LMIS (ANSI SAE)

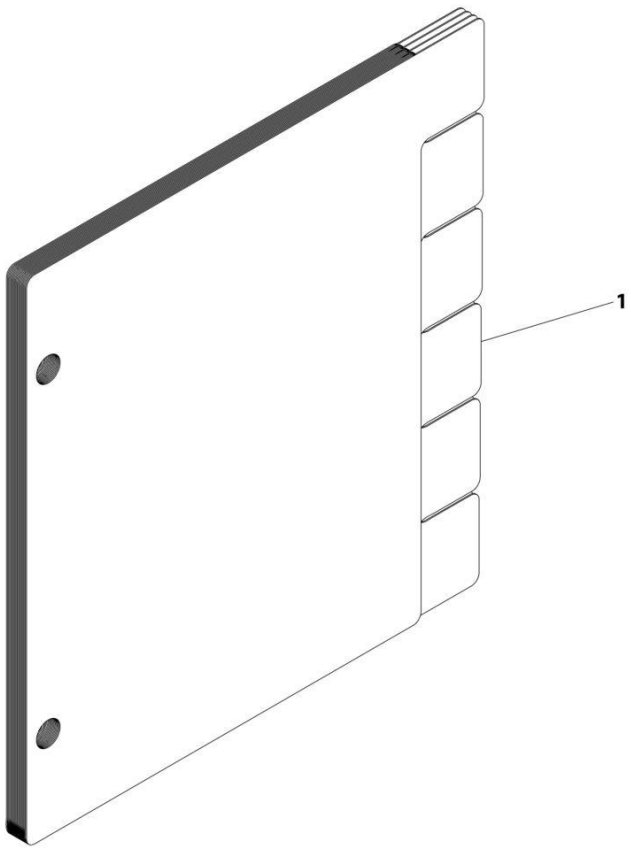

FIGURE 11-10. LOADCHARTS - REMOTE CONTROL BOOM WITH LMIS (ANSI SAE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001271063	1	LOADCHARTS – REMOTE CONTROL BOOM WITH LMIS (ANSI)	

SECTION 11 - DECALS

FIGURE 11-11. LOADCHARTS - REMOTE CONTROL BOOM WITH LMIS/NON (ANSI METRIC)

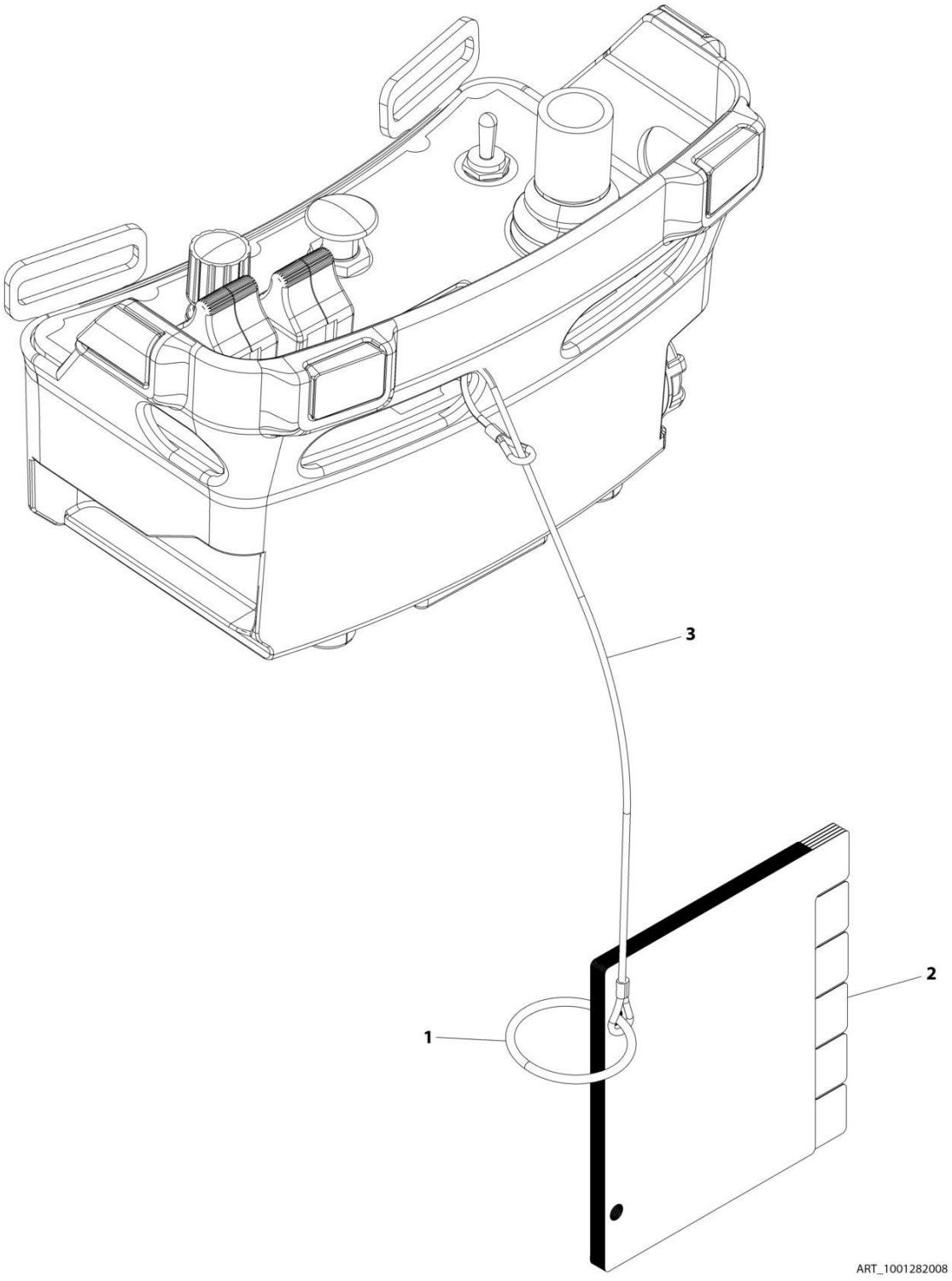

FIGURE 11-11. LOADCHARTS - REMOTE CONTROL BOOM WITH LMIS/NON (ANSI METRIC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282008	Ref	LOADCHARTS - REMOTE CONTROL BOOM WITH LMIS/NON (ANSI METRIC)	A
1	1001271061	1	Clip	
2	1001282006	1	Loadcharts, Booklet	
3	1060799	1	Cable, Lanyard	

FIGURE 11-12. CAPACITY CHART HOLDER INSTALLATION

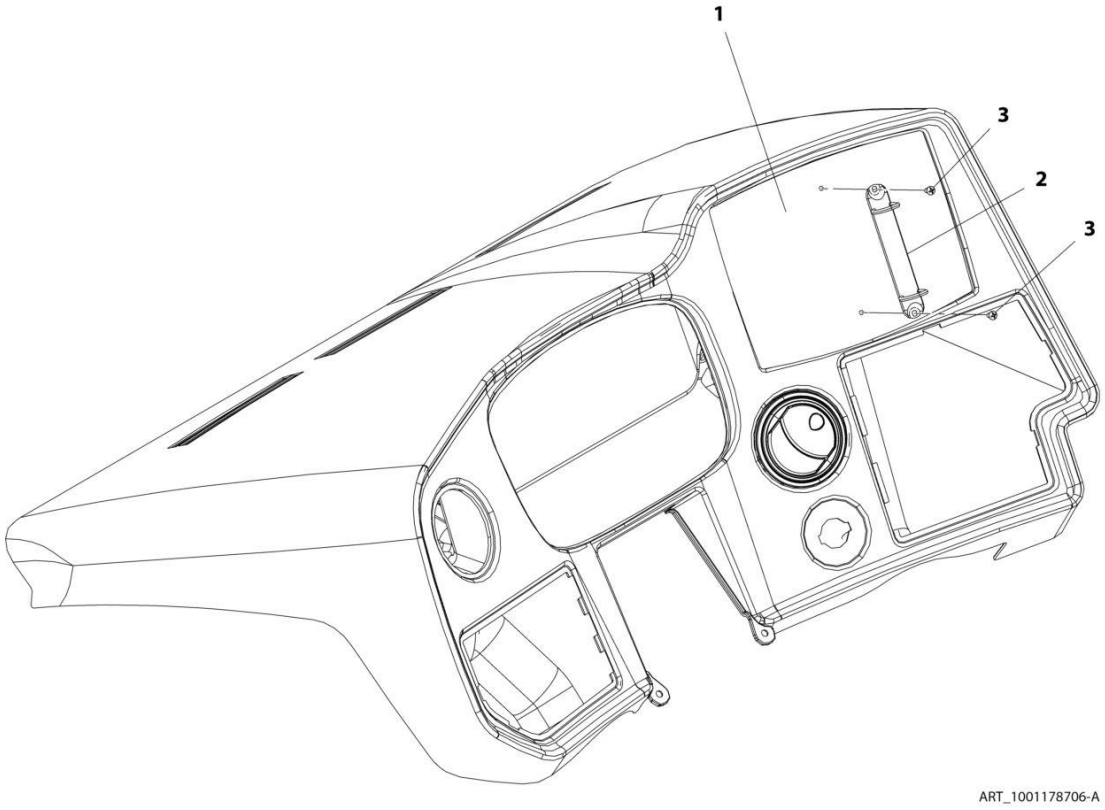

FIGURE 11-12. CAPACITY CHART HOLDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178706	Ref	Capacity Chart Holder Installation	A
1	1001179297	1	Load Chart, Bezel	
2	1001005960	1	Holder	
3	7029486	2	Screw	

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

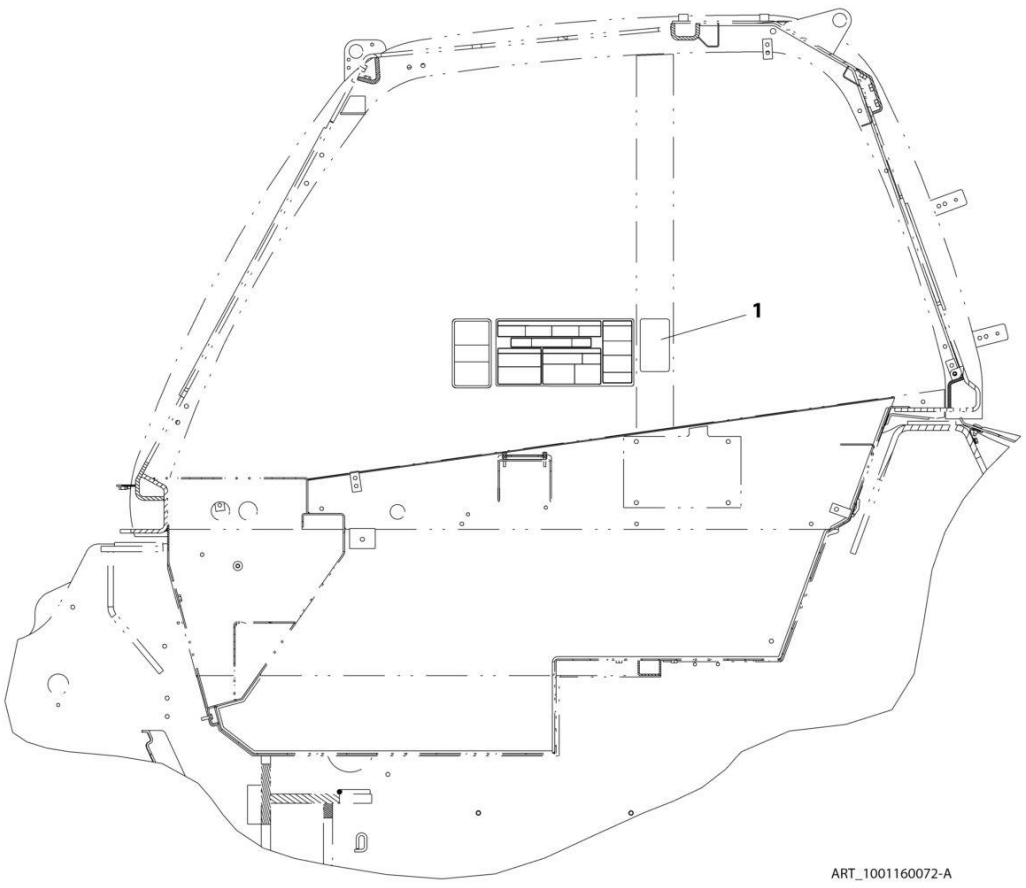

FIGURE 11-13. REVERSE SENSOR SYSTEM DECAL (ENGLISH)

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

FIGURE 11-14. REVERSE SENSING SYSTEM DECAL, (ENGLISH/FRENCH)

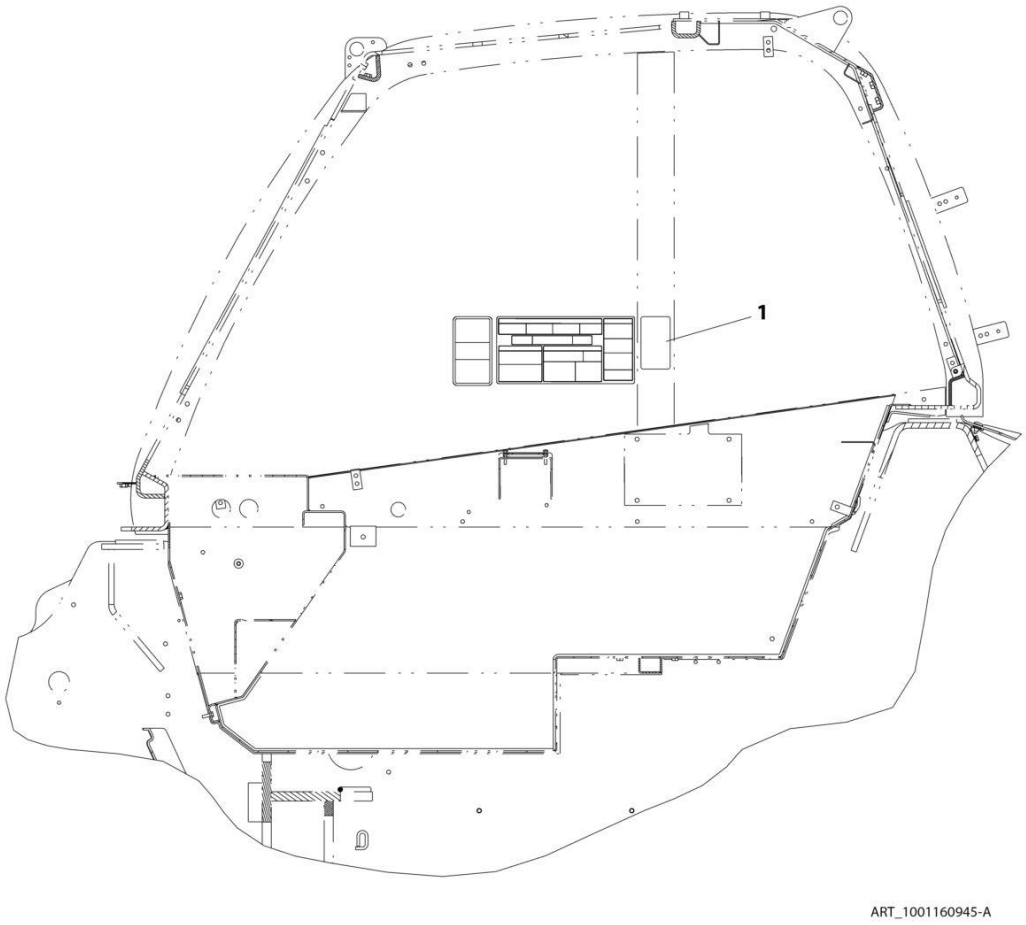

FIGURE 11-14. REVERSE SENSING SYSTEM DECAL, (ENGLISH/FRENCH)

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

FIGURE 11-15. REVERSE SENSING SYSTEM DECAL (ISO)

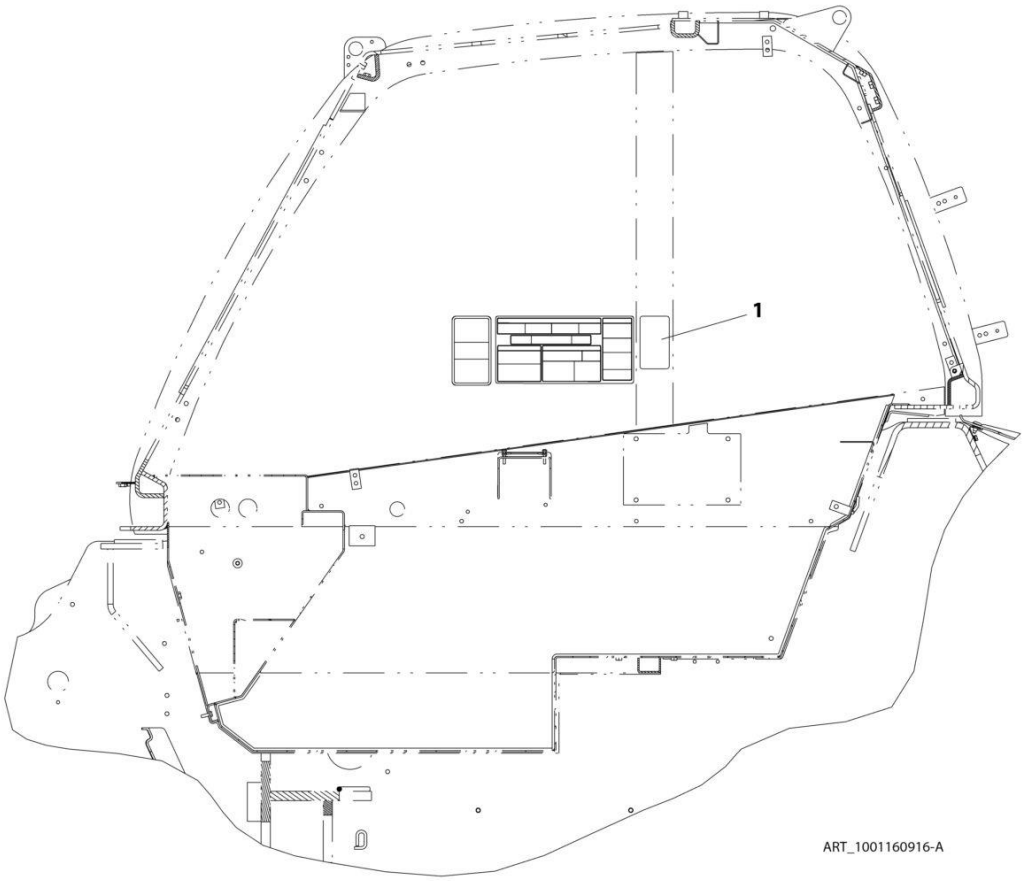

FIGURE 11-15. REVERSE SENSING SYSTEM DECAL (ISO)

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

FIGURE 11-16. CLEARSKY DECAL INSTALLATION

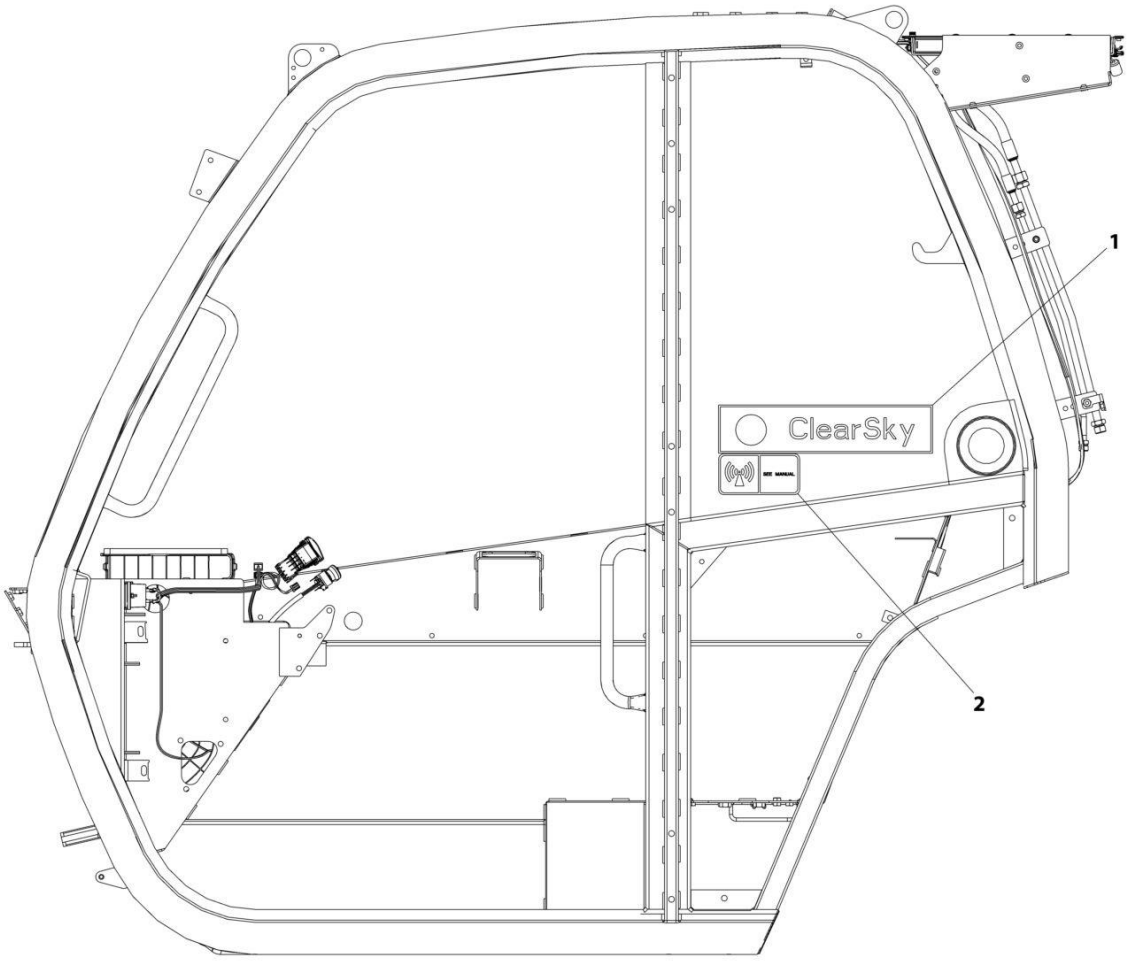

FIGURE 11-16. CLEARSKY DECAL INSTALLATION

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

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.	
	70020764	1	Coil (Divertor Valve)	
	70020868	1	Coil (Level & Stabilization Valve)	
	70021208	1	Coil (Level & Stabilization Valve)	
	70002963	1	Coil (Priority Valve & SAHR Brake Valve)	
	70026582	1	Coil (Steering Select Valve)	
	70028281	1	Coil, 10V (Boom Raise Valve)	
	1001207923	1	Coil, 12V (Rear Axle Stabilizer Cylinder)	
	70022147	1	Coil, 12V (Level & Stabilization Valve)	
	70029597	1	Coil, 12V (Drywall Swing Carriage, Valve Assembly)	
	1001270468	1	Control, Rear Frame Module	
	1001250475	1	Control, Receiver (Attachment Recognition)	
	1001206112	1	Control, Remote Controller (Remote Boom Control)	
	1001159028	1	Controller, Accelerator Pedal	
	1001213265	1	Controller, Brake Pedal	
	1001242098	1	Controller, Fingertip Joystick (Outrigger Switches)	
	1001257088	1	Controller, FNR (2 Speed)	
	1001222606	1	Controller, 2R2B (Joystick Installation)	
	1001209194	1	Controller, Remote (Remote Control Boom)	
	1001177597	2	Diode, 6amp (Cab Harness)	
	1001187877	12	Filter, Breather Hydraulic (Hydraulic Tank Assembly)	
	1001228872	12	Filter, Coolant Screen DEF (Def Coolant Lines)	
	70025850	12	Filter, Primary Air (Air Cleaner)	
	70025851	12	Filter, Secondary Air (Air Cleaner)	
	1001141461	12	Filter, Spin On Oil (Implement Pump)	
	8229242	2	Fuse, 5A (Electrical Board, OPT 1 Board & Engine Harness)	
	8229261	2	Fuse, 5A (ClearSky Harness)	
	8229243	2	Fuse, 7.5A (Engine Harness)	
	80983191	2	Fuse, 10A (Electrical Board, OPT 1 & 2 Board, Engine & Remote Harness)	
	8229244	2	Fuse, 15A (OPT 2 Board & Engine Harness)	
	8229235	2	Fuse, 20A (ASOV Harness)	
	8229247	2	Fuse, 25A (Electrical & OPT 1 Board, Power Distribution Box)	
	8229245	2	Fuse, 30A (Electrical Board & Power Distribution Box)	
	70026297	2	Fuse, 80A (Power Distribution Box)	
	1001095336	2	Fuse, 150A (Power Distribution Box)	
	70026296	2	Fuse, 200A (Power Distribution Box)	
	1001131177	2	Fuse, Power Module (Engine Wiring)	
	8342813	1	Key, Pad Lock	
	2940074	1	Latch (Fork Mounted Platform)	
	1001249078	1	Module, Attachment Recognition	
	1001270466	1	Module, Cab	
	1001262322	1	Module, ClearSky Telematics Canbus	
	1001270467	1	Module, Front Frame	
	1001270485	1	Module, LMIS	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270486	1	Module, Transmission	
	1001226328	1	Module, 3W TCU (ClearSky)	
	3740067	1	Relay, 12v (Emergency Lowering)	
	3740080	1	Relay, 12v 20/40amp (ASOV & Remote Control Harness)	
	1001205172	1	Relay, 35amp (Engine Harness)	
	70026292	1	Relay, 35amp (Electrical Board & Power Distribution Box)	
	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 (Engine Bay)	
	70028383	1	Sensor, Angle (Brake Pedal)	
	1001247458	1	Sensor, Boom Angle	
	1001223903	1	Sensor, Boom Length (LMIS Cable Reel)	
	1001121955	1	Sensor, Coolant Level	
	1001162885	1	Sensor, LMIS Pressure (Boom Damping)	
	70025539	1	Sensor, Pad (Upper Seat)	
	1001147340	1	Sensor, Pressure Transducer (Frame Hydraulics)	
	1001199043	1	Sensor, Pressure Transducer (Outrigger Cylinder)	
	1001183024	1	Sensor, Proximity (Boom Retract Sensor)	
	1001160730	1	Sensor, Rear Axle (LSI Sensor)	
	1001247421	1	Sensor, Reverse (Camera, Reverse Sensor)	
	70030028	1	Sensor, Steer (Front & Rear Axle Steering)	
	1001128478	1	Sensor, Temperature (Hydraulic Tank)	
	1001269578	1	Sensor, Temperature (Heater & A/C)	
	1001163095	1	Sensor, Tilt (LMIS)	
	1001256555	1	Sensor, Tilt Dual Axis (Coupler Angle Sensor)	
	1001102502	1	Switch, 4 Position Key (Dash Electrical)	
	1001104654	1	Switch, AUX Decomp (Dash Electrical)	
	1001159746	1	Switch, Auxiliary Electric (Dash Electrical)	
	1001159738	1	Switch, Beacon (Beacon Installation LED)	
	1001159745	1	Switch, Boom Ride (Ride Control)	
	1001159739	1	Switch, Boom Worklights	
	4360658	1	Switch, Brake Light (Switch Plate)	
	1001255706	1	Switch (Cooling Package (ASOV))	
	1001159741	1	Switch, Constant AUX (Dash Electrical)	
	1001192142	1	Switch, Disconnect (Engine Bay Electrical)	
	1001163639	1	Switch, Driving Lights (Cab - Light Switch Installation)	
	4360475	1	Switch, E-Stop (E-Stop External Installation & Remote Control E-Stop Switch)	
	1001159737	1	Switch, Fog Lights (Roadlights)	
	1001212470	1	Switch, Frame Level (Dash Electrical)	
	1001159845	1	Switch, Front Worklights (Cab Worklights)	
	1001159734	1	Switch, Hazard (Roadlights)	
	70024107	1	Switch, Heater (Seat Assembly)	
	1001169268	1	Switch, Horn Button (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)	
	4360657	1	Switch, Ignition (Remote Control Boom Installation)	
	1001159742	1	Switch, LSI Override	
	1001159753	1	Switch, Park Brake (Dash Electrical)	
	1001080375	1	Switch, Quick Coupler (Hydraulic Coupler)	

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159735	1	Switch, Rear Wiper (Dash Electrical)	
	1001159846	1	Switch, Rear Worklights (Cab Worklights)	
	1001159736	1	Switch, Roof Wiper (Roof Wiper Installation)	
	1001159849	1	Switch, Steer Mode (Dash Electrical)	
	1001256974	1	Switch, Turn-Wiper (Wiper - Turn Switch)	

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	
	1001260872	Ref	Air Shut-Off Valve Kit	
	1001271006	Ref	Aftermarket Attachment Kits	D
	1001260984	Ref	Boom Kit (Dealer Installed)	
	1001260979	Ref	Boom Brushes Add-on Kit (Dealer Installed)	
	1001260871	Ref	Boom Prop Add-on Kit (Dealer Installed)	
	1001213286	Ref	Cab Display Add-on Kit (Dealer Installed)	
	1001199382	Ref	Cab Guard (Front & Top) Add-on Kit (Dealer Installed)	
	1001212845	Ref	Cab Guard (Front) Add-on Kit (Dealer Installed)	
	1001199380	Ref	Cab Guard (Top) Add-on Kit (Dealer Installed)	
	1001278336	Ref	Camera Display Kit	
	1001271527	Ref	Camera Kit - Reverse	
		Ref	Electrical Connector Kits:	
	1001148902	Ref	Electrical Connector Kit - Amp/Tyco Electrical Connectors	
	1001148903	Ref	Electrical Connector Kit - Deutsch DT Electrical Connectors	
	1001148904	Ref	Electrical Connector Kit - Deutsch HD Electrical Connectors	
	1001148905	Ref	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kit - Various Electrical Connectors	
	1001230409	Ref	Emergecy Stop (External) Add-on Kit (Dealer Installed)	
	1001264990	Ref	Decal Kit	
	1001264989	Ref	Filter Kit - 250 Hour	
	1001264988	Ref	Filter Kit - 1000 Hour	
	1001274892	Ref	Forward/Reverse Lever Kit - 0 Speed	
	1001274891	Ref	Forward/Reverse Lever Kit - 2 Speed	
	1001285930	Ref	Outrigger Valve Replacement Kit (Includes 2 Counterbalance Valves)	
	1001258664	Ref	Platform Docking Station Kit (Personnel Basket)	
	1001230699	Ref	Radio Ready Add-on Kit (Dealer Installed)	
	1001252304	Ref	Sensor (Reverse) Add-on Kit (Dealer Installed)	
	1001260867	Ref	Service Kits	E
		Ref	Tools:	
	7002821	1	Crimper	
	7002823	1	Extractor	
	7004276	1	Seal Tool 1 1/2" (For Cylinders)	
	7004275	1	Seal Tool 1" (For Cylinders)	
	7002826	1	Seal Tool 2" (For Cylinders)	
	8896941	1	Wire Stripper	
	1001260870	Ref	Wear Pad Kit	
	1001199328	Ref	Wiper (Roof) Add-on Kit (Dealer Installed)	

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