Illustrated Parts Manual

Model
8010H

PVC
2011

P/N
31211558

June 15, 2023 - Rev B

An Oshkosh Corporation Company

EFFECTIVITY PAGE

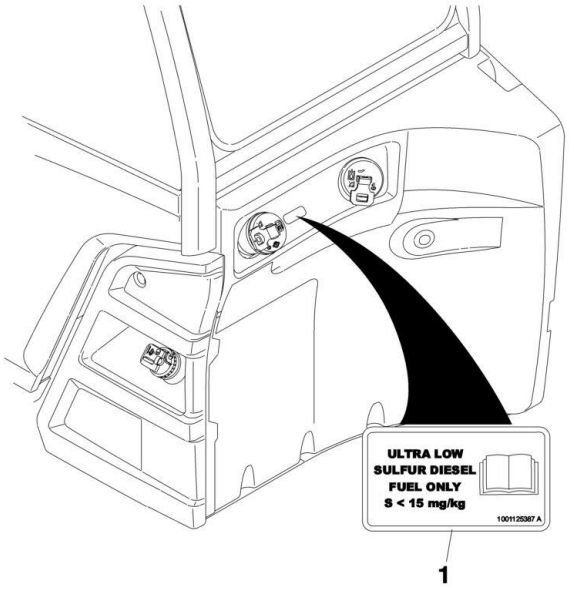
October 30, 2020 - A - Original Issue of Manual (Manual Edited to 1001195000 Revision AD)

June 15, 2023 - B - Revised Manual (Manual Edited to 1001195000 Revision AD)

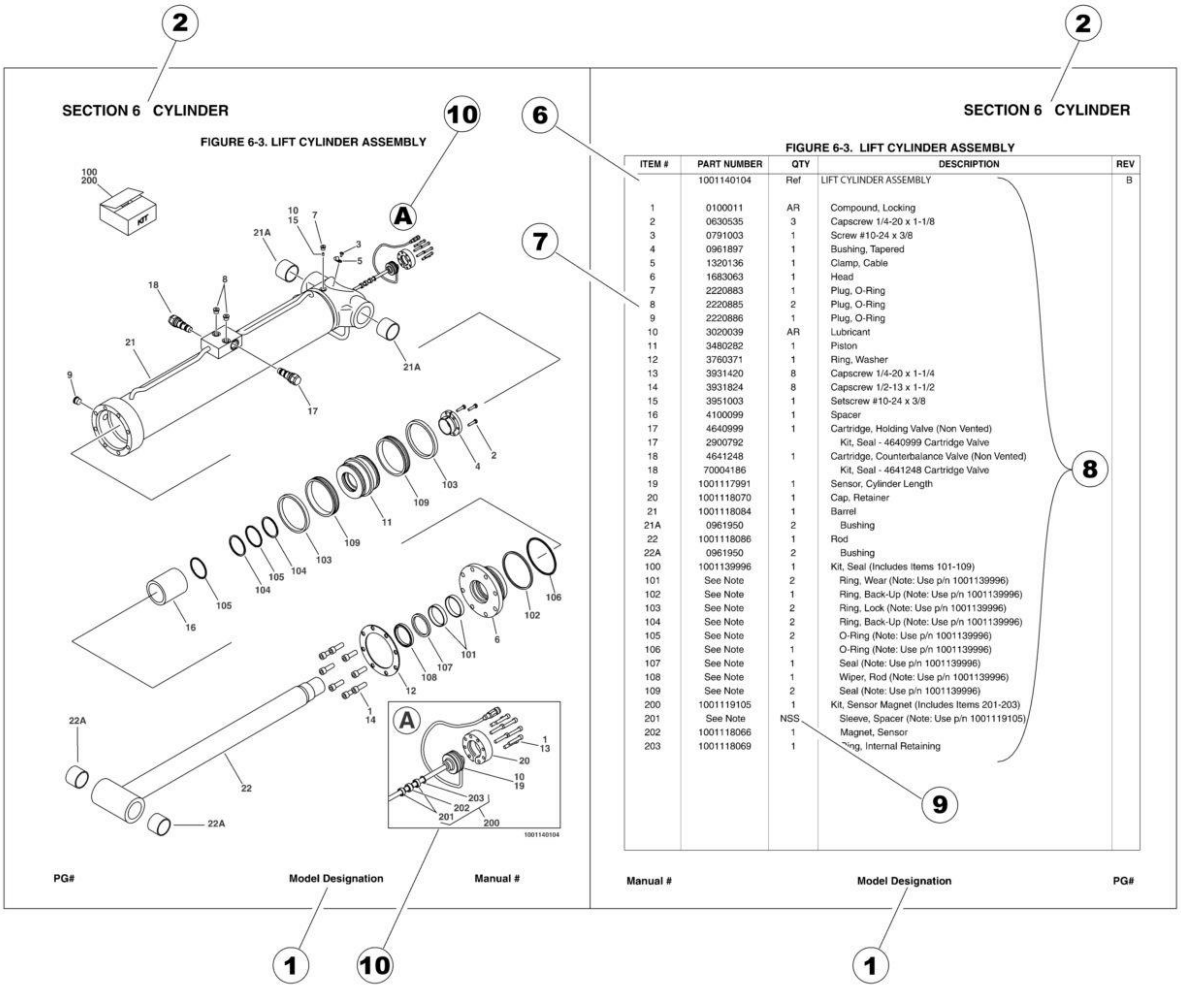
Machine Configuration

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. GROMMETS INSTALLATION

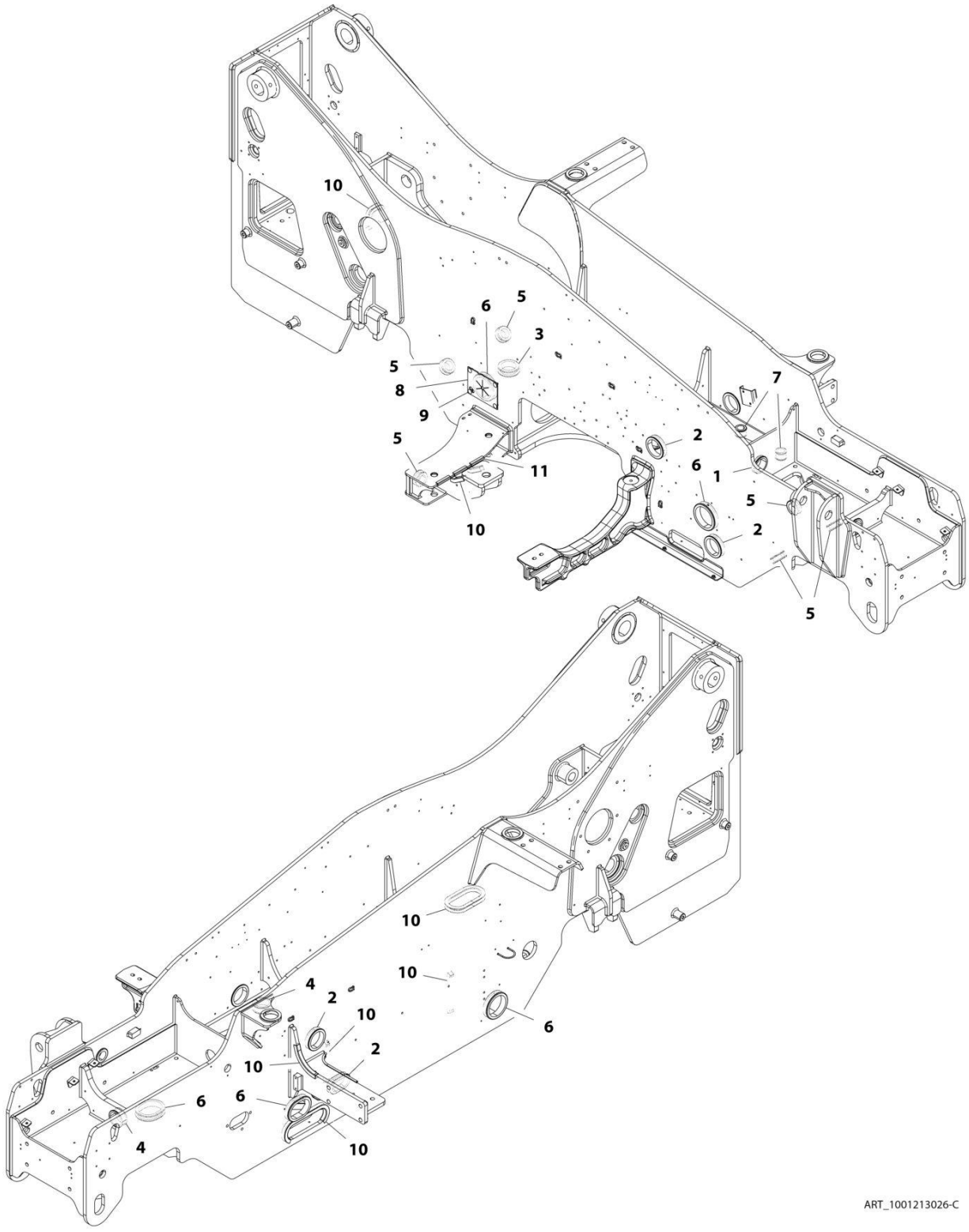
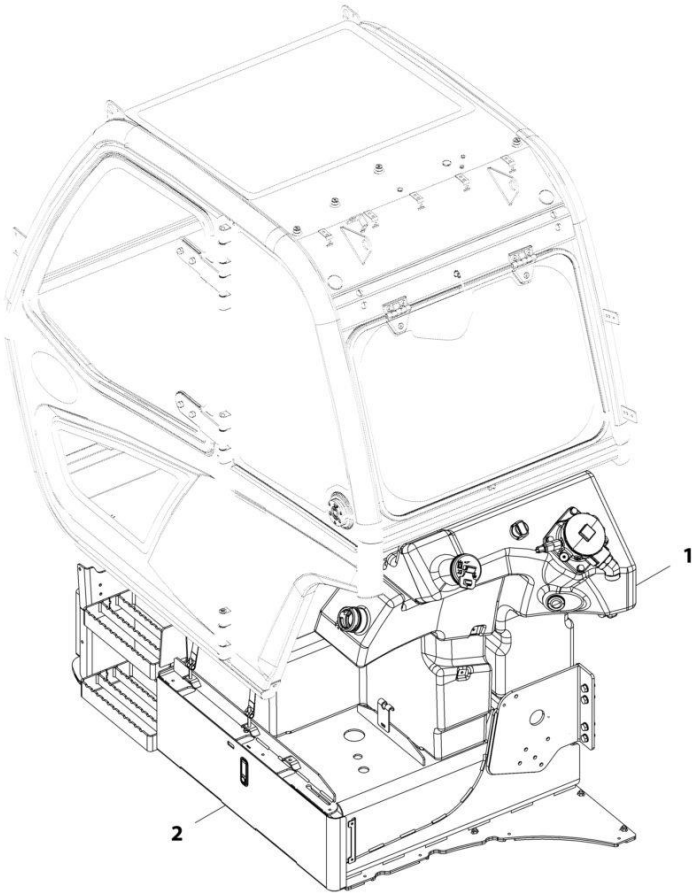


FIGURE 1-1. GROMMETS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213026	Ref	Grommets Installation	C
1	1001009018	1	Grommet	
2	1001028264	4	Grommet	
3	1001028291	1	Grommet	
4	1001028306	2	Grommet	
5	1001028308	6	Grommet	
6	1001028377	5	Grommet	
7	1001028400	2	Grommet	
8	1001175347	1	Grommet	
9	1001180306	4	Screw	
10	4060919	2030 mm	Trim,Hose Protection	
11	90206202	270 mm	Trim Lock	

FIGURE 1-2. TANKS INSTALLATION



ART_1001185927-C

FIGURE 1-2. TANKS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185927	Ref	Tank Installation	C
1	1001179850	Ref	Installation, Hydraulic Tank (See Separate Breakdown in this Section)	
2	1001185929	Ref	Installation, Fuel Tank (See Separate Breakdown in this Section)	

FIGURE 1-3. HYDRAULIC TANK INSTALLATION

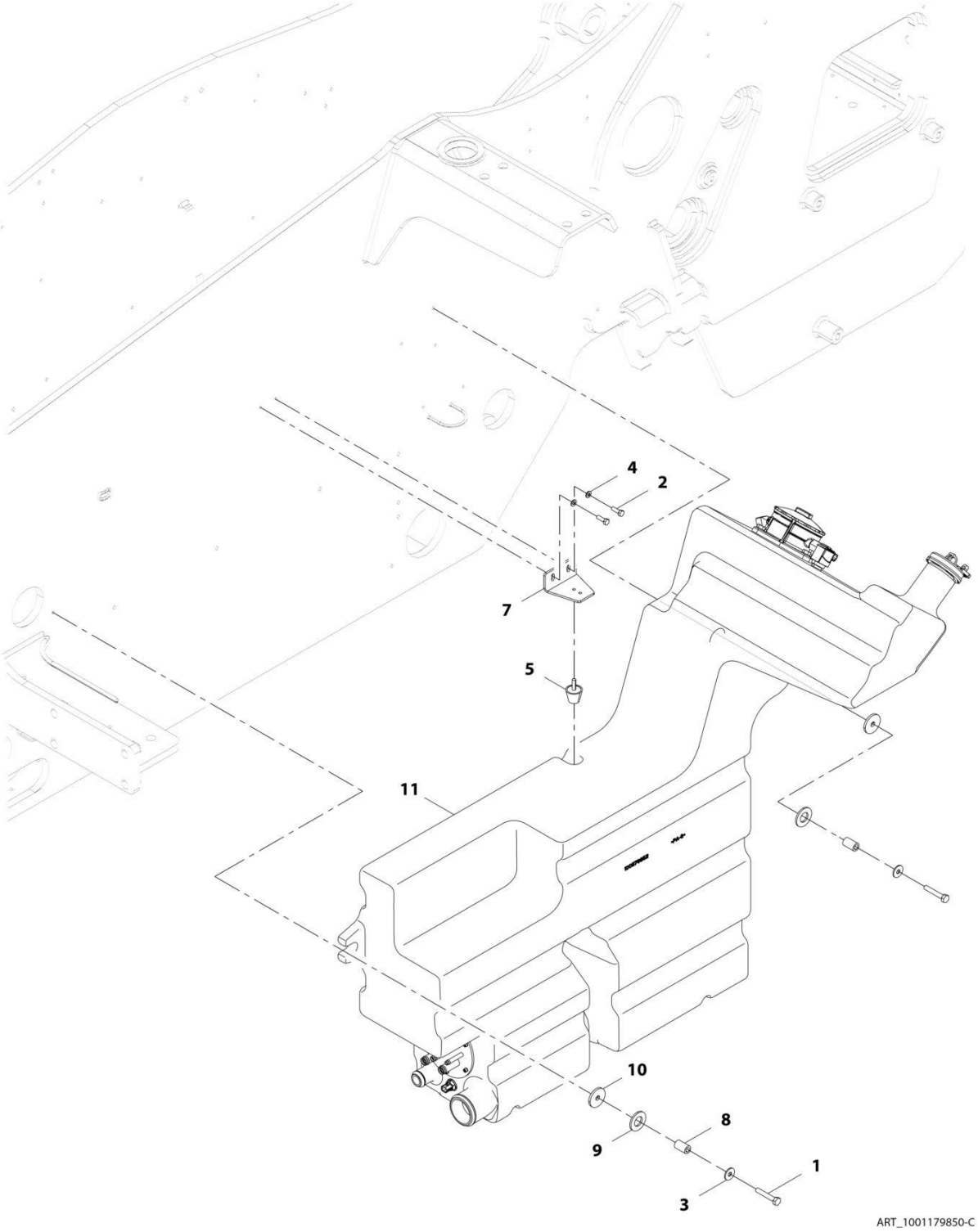


FIGURE 1-3. HYDRAULIC TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179850	Ref	Hydraulic Tank Installation	C
1	0701020	2	Bolt, M10X60	
2	0760812	2	Bolt, M8X25	
3	4812002	2	Washer, M10	
4	4811900	2	Washer, M8	
5	1001008575	1	Bumper, Conical	
7	1001177082	1	Bracket	
8	1001171179	2	Spacer	
9	1001172146	2	Washer, Rubber	
10	1001172147	2	Washer, M10	
11	1001179851	1	Assembly, Hydraulic Tank (See Separate Breakdown in this Section)	

FIGURE 1-4. HYDRAULIC TANK ASSEMBLY

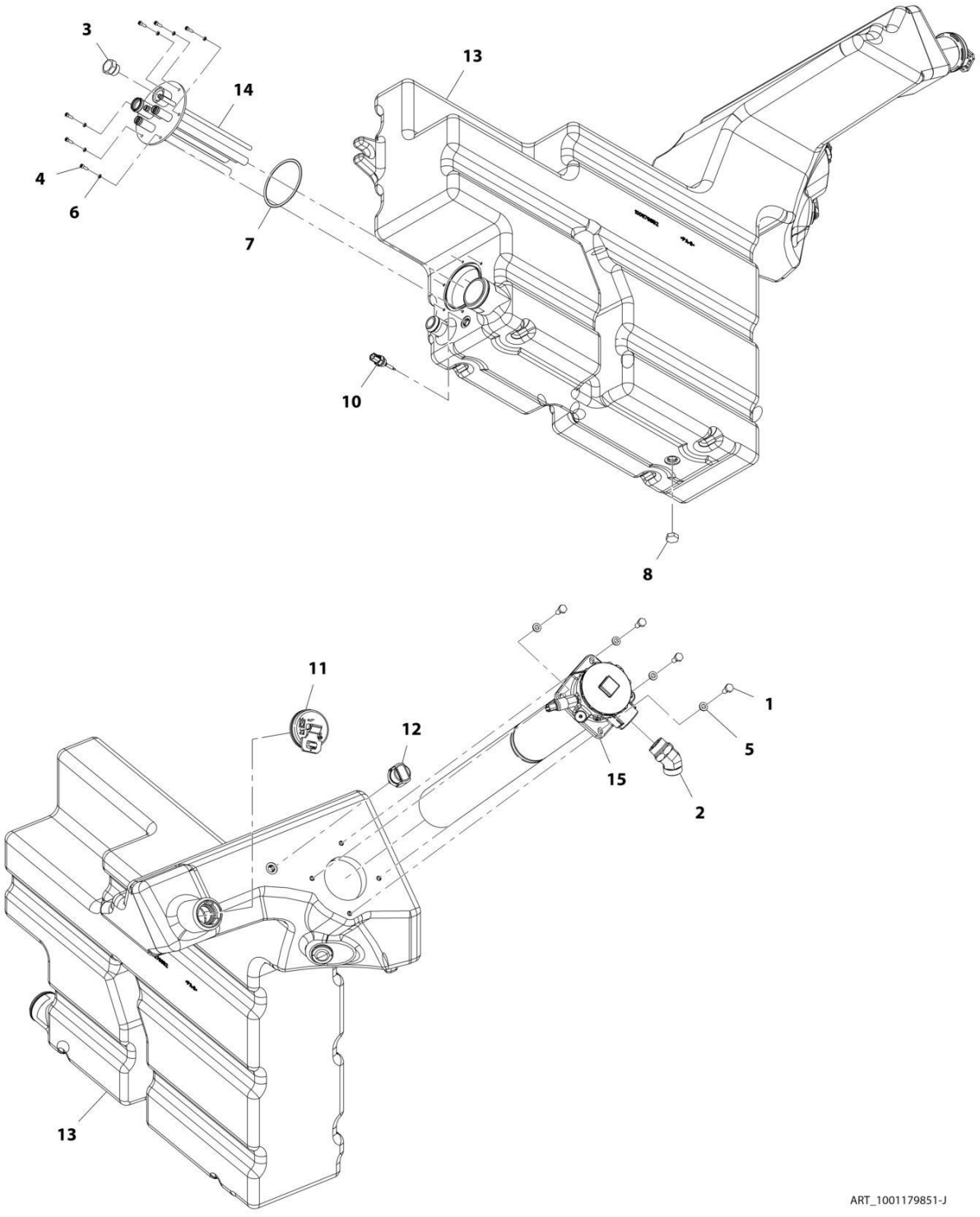


FIGURE 1-4. HYDRAULIC TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179851	Ref	Hydraulic Tank Assembly	J
1	0761012	4	Bolt, M10X25	
2	2152020	1	Fitting, 45 ORFS	
3	2220240	1	Fitting, Straight	
4	4031607	6	Bolt, M5-.8X16	
5	4812000	4	Washer, M10	
6	4831600	6	Washer, Lock M5	
7	1001003301	1	Seal O-Ring	
8	2220239	1	Plug	
10	1001128478	1	Sensor	
11	1001194981	1	Cap, Hydraulic	
12	1001162662	1	Filter, Breather	
13	1001179852	1	Tank, Hydraulic	
14	1001191157	1	Manifold, Hydraulic Return	
15	1001191163	1	Filter	
15	1001191685	1	Element, Filter	

FIGURE 1-5. FUEL TANK INSTALLATION

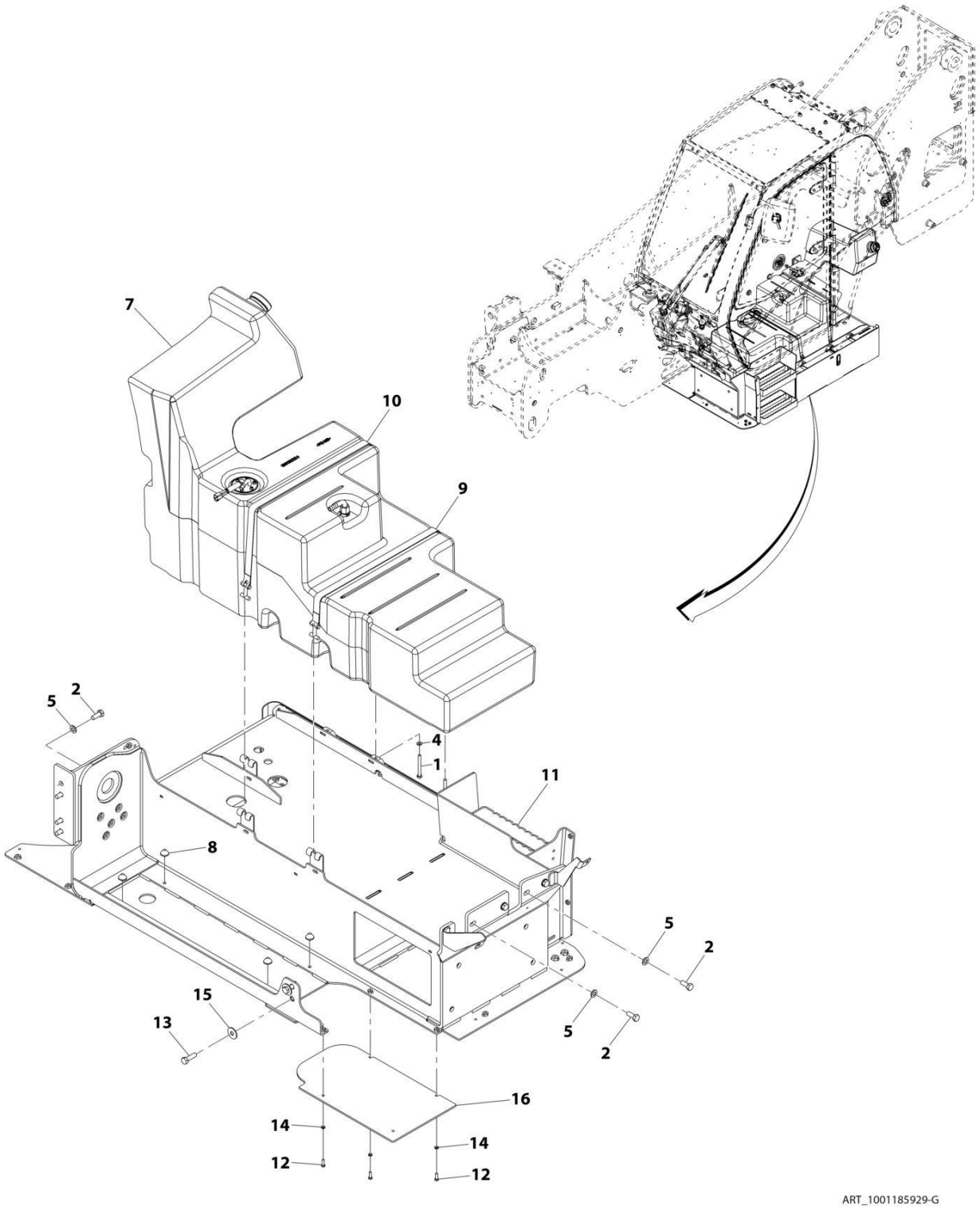


FIGURE 1-5. FUEL TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185929	Ref	Fuel Tank Installation	G
1	0760823	2	Bolt, M8X75	
2	0761214	8	Bolt, M12X30	
4	4811900	2	Washer, M8	
5	4812100	8	Washer, M12	
7	1001192125	1	Assembly, Fuel Tank (See Separate Breakdown in this Section)	
8	1001169454	4	Buffer	
9	1001178474	1	Strap	
10	1001178693	1	Strap	
11	1001185930	1	Installation, Tank Support (See Separate Breakdown in this Section)	
12	0700610	3	Bolt, M6X20	
13	0701216	2	Bolt, M12X40	
14	4811700	3	Washer, M6	
15	4812102	2	Washer, M12	
16	1001197480	1	Plate	

FIGURE 1-6. FUEL TANK ASSEMBLY

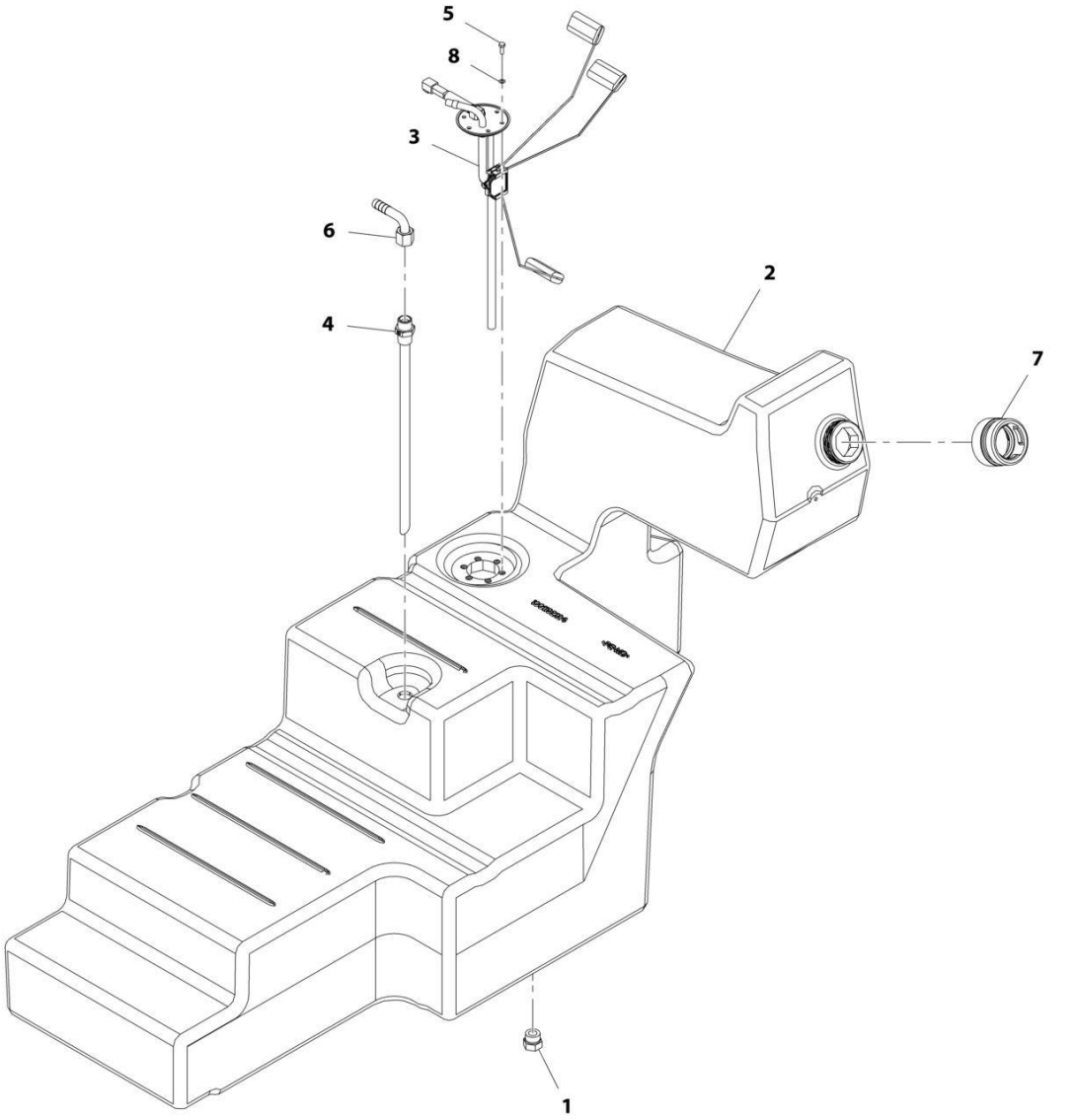


FIGURE 1-6. FUEL TANK ASSEMBLY

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

FIGURE 1-7. TANK SUPPORT INSTALLATION

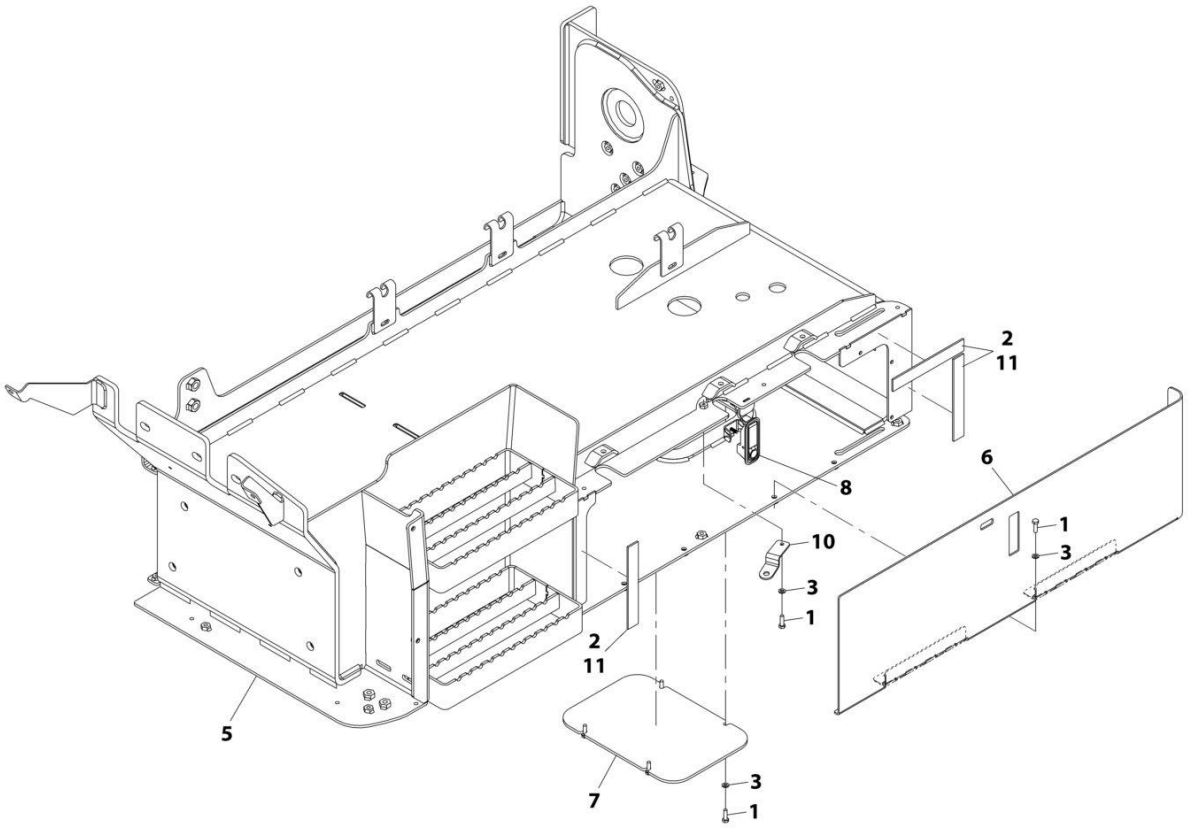


FIGURE 1-7. TANK SUPPORT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185930	Ref	Tank Support Installation	K
1	0700610	9	Bolt, M6X20	
2	4280307	3	Strip	
3	4811700	9	Washer, M6	
5	1001185931	1	Plate, Support	
6	1001185933	1	Cover	
7	1001185935	1	Cover	
8	1001189246	1	Latch, Locking	
10	1001197481	1	Plate	
11	0100081	AR	Compound, Locking	

FIGURE 1-8. LOCKING FUEL CAP

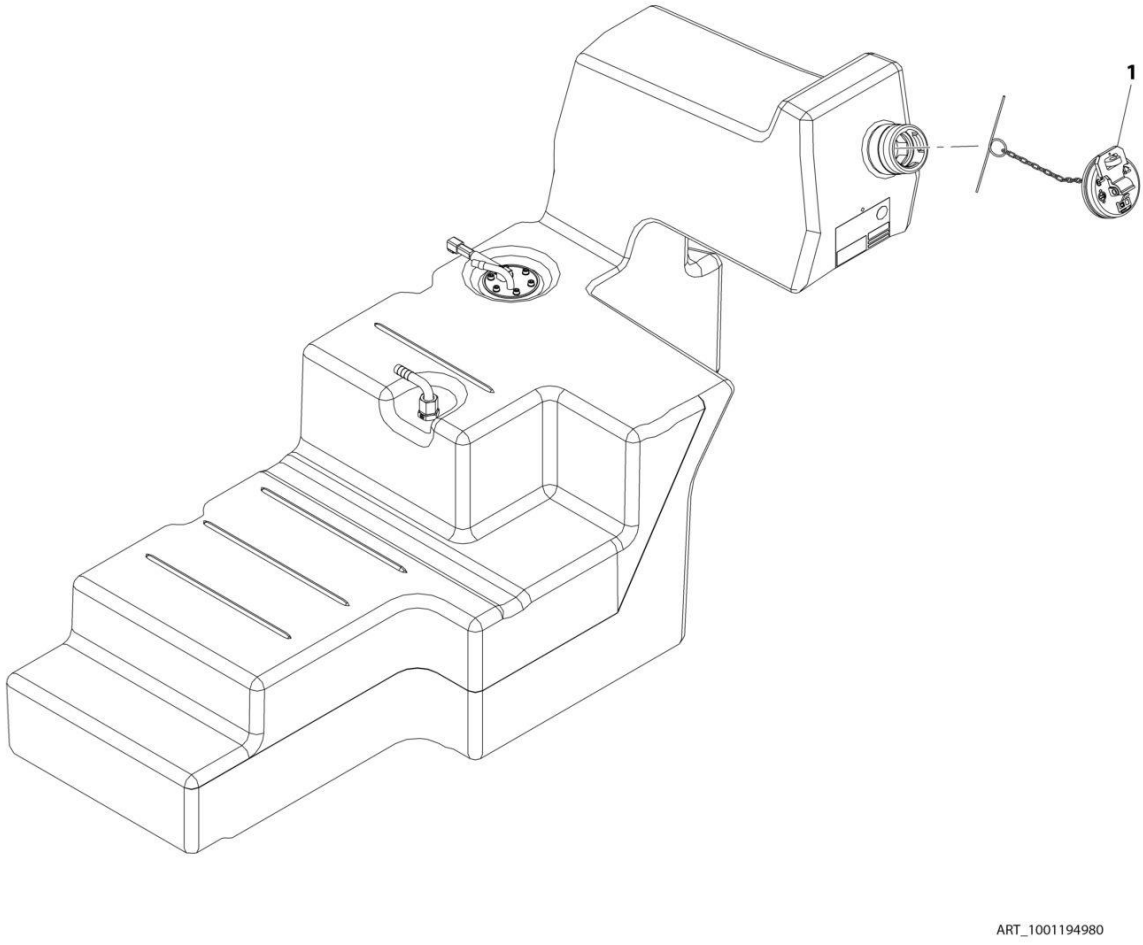
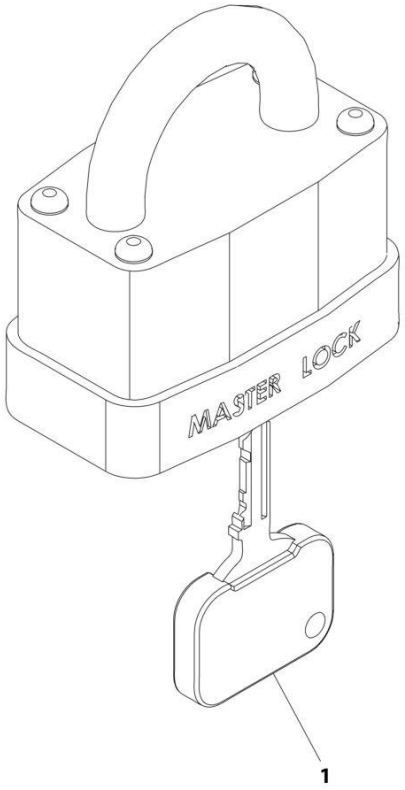


FIGURE 1-8. LOCKING FUEL CAP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001194980	Ref	Locking Fuel Cap	A

FIGURE 1-9. PAD LOCK



ART_1001102157-A

FIGURE 1-9. PAD LOCK

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

FIGURE 1-10. ENGINE ENCLOSURE & HOOD INSTALLATION

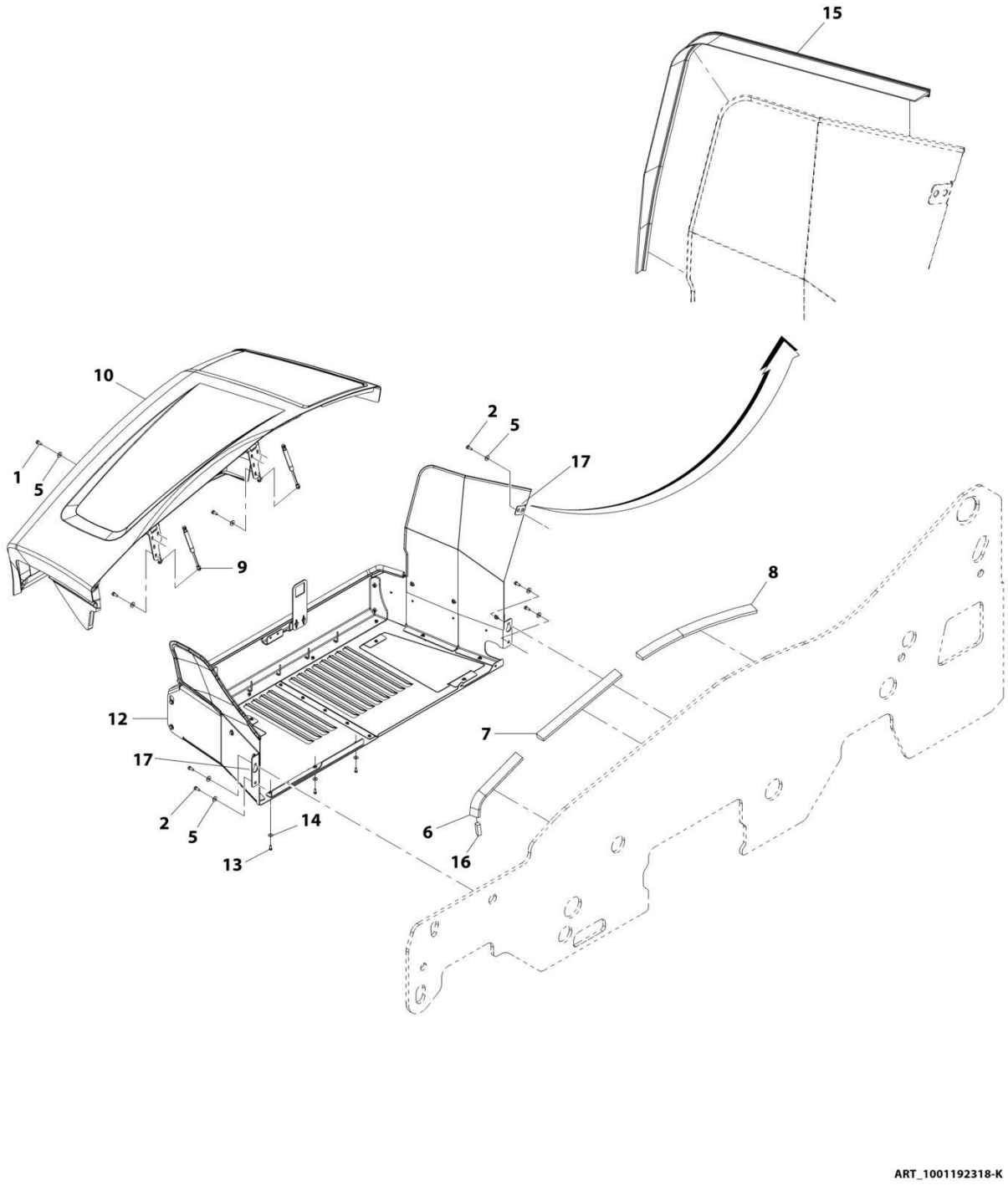


FIGURE 1-10. ENGINE ENCLOSURE & HOOD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192318	Ref	Engine Enclosure Installation	K
1	0761010	1	Bolt, M10X20	
2	0761012	11	Bolt, M10X25	
5	4812002	12	Washer, M10	
6	1001203932	1	Seal	
7	1001203933	1	Seal	
8	1001203934	1	Seal	
9	1001171885	2	Spring, Gas	
10	1001235965	1	Assembly, Engine Hood (See Separate Breakdown in this Section)	
12	1001192622	1	Assembly, Engine Enclosure (See Separate Breakdown in this Section)	
13	0760810	3	Bolt, M8X20	
14	4811902	3	Washer, M8	
15	1001197339	1	Seal	
16	1001229609	1	Seal, Foam Gasket	
17	1001241836	AR	Shim	

FIGURE 1-11. ENGINE HOOD ASSEMBLY

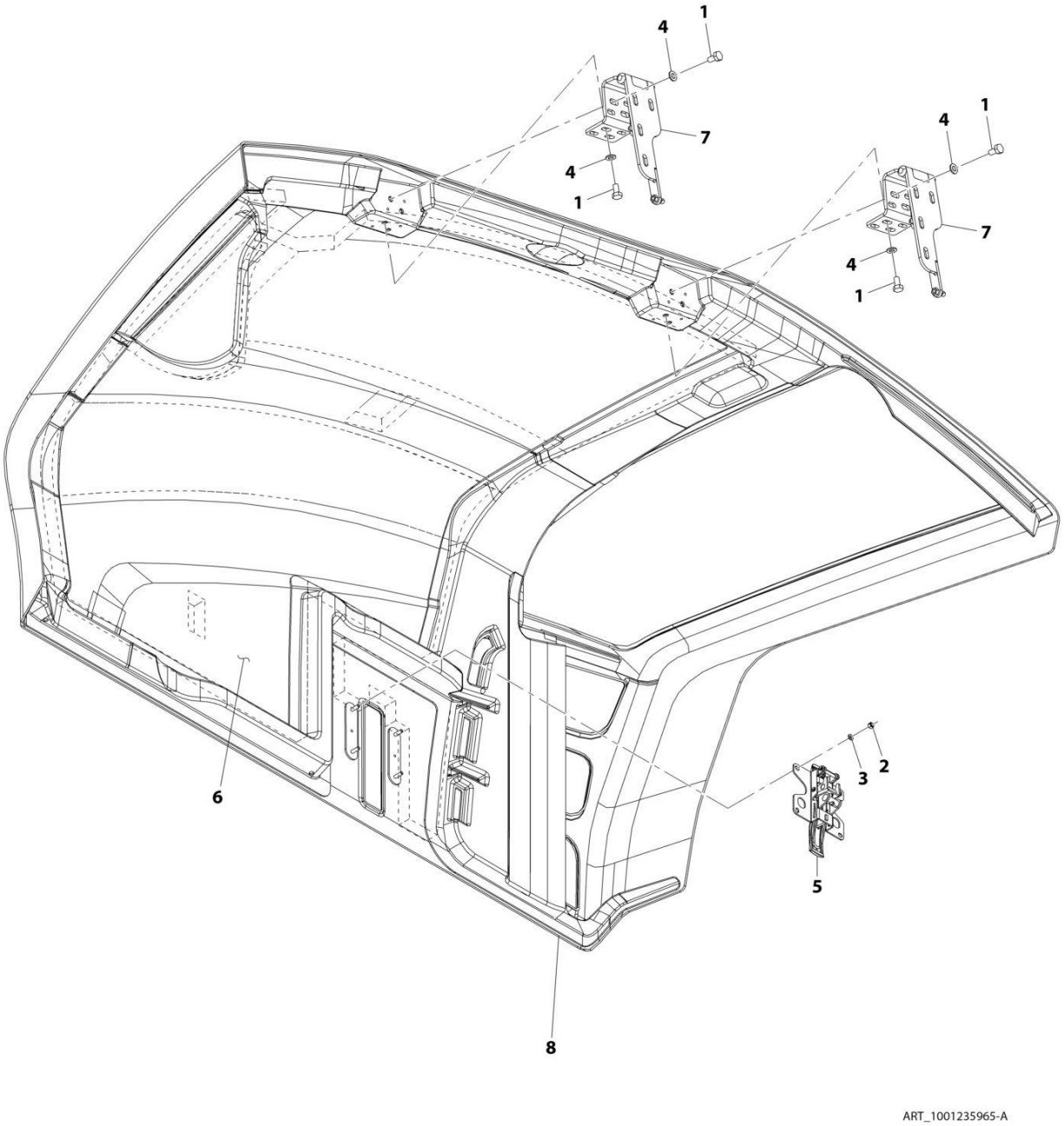


FIGURE 1-11. ENGINE HOOD ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235965	Ref	Engine Hood Assembly	A
1	0761010	8	Bolt, M10X20	
2	3290605	4	Nut, Lock M6X1	
3	4811700	4	Washer, M6	
4	4812000	8	Washer, M10	
5	1001132168	1	Latch, Hood	
6	1001172110	1	Installation, Engine Hood Insulation (See Separate Breakdown in this Section)	
7	1001209387	2	Hinge	
8	1001234455	1	Hood	

FIGURE 1-12. ENGINE HOOD INSULATION INSTALLATION

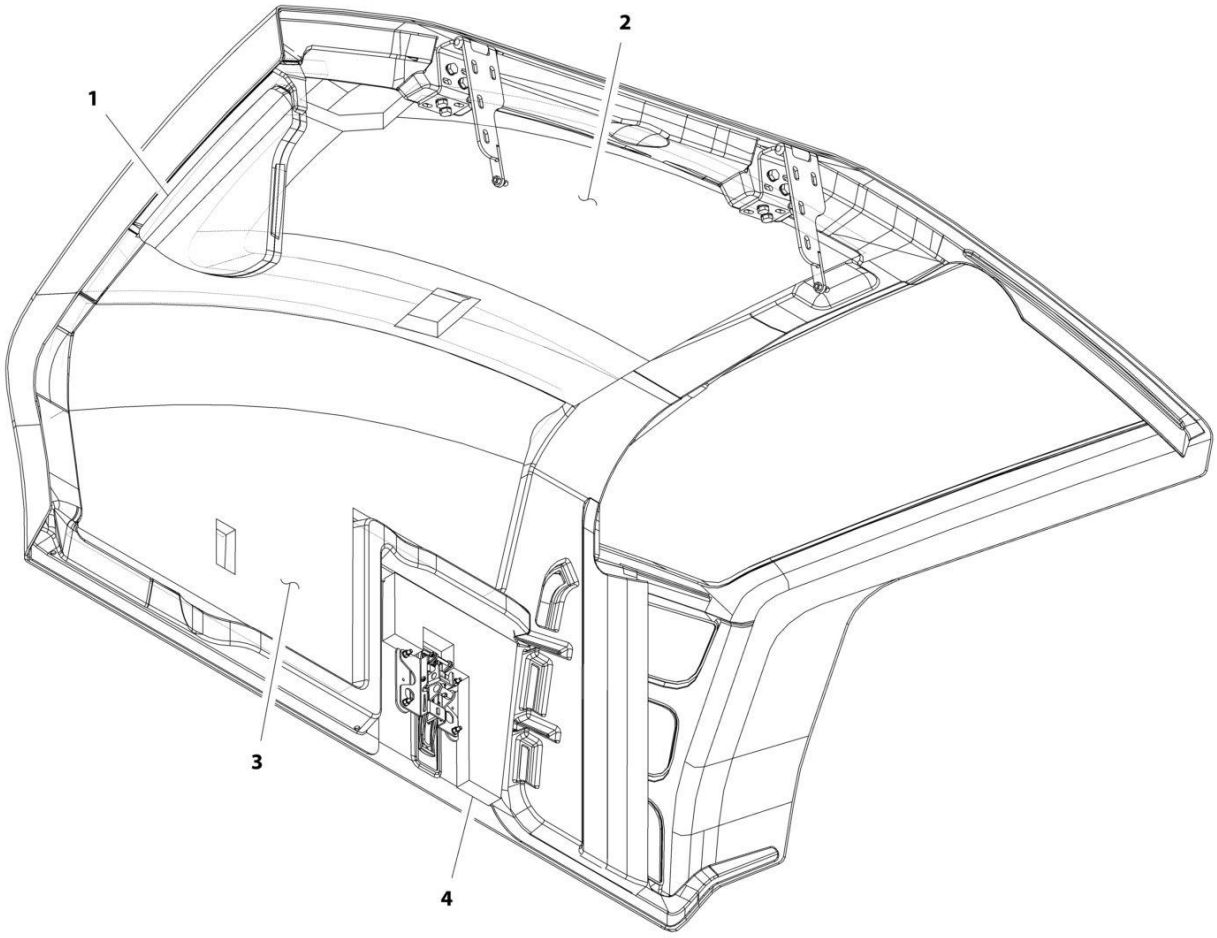


FIGURE 1-12. ENGINE HOOD INSULATION INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172110	Ref	Engine Hood Insulation Installation	G
1	1001172112	1	Insulation, Front	
2	1001172113	1	Insulation, Top	
3	1001172114	1	Insulation, Side	
4	1001172115	1	Insulation, Hood Latch	

FIGURE 1-13. ENGINE ENCLOSURE ASSEMBLY

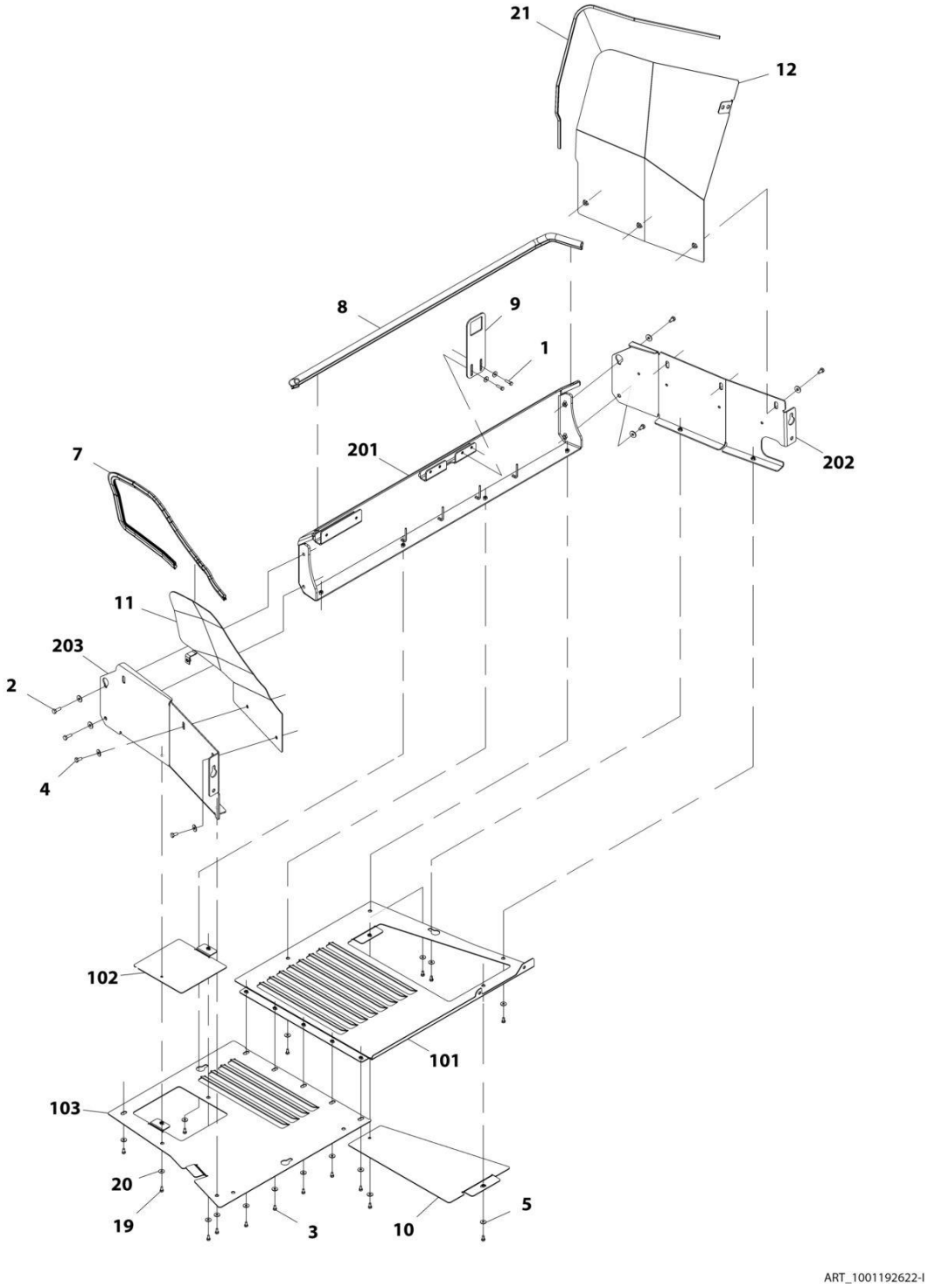


FIGURE 1-13. ENGINE ENCLOSURE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192622	Ref	Engine Enclosure Assembly	I
1	0700814	2	Bolt, M8X30	
2	0701014	4	Bolt, M10X30	
3	0760807	5	Bolt, M8X14	
4	0761010	6	Bolt, M10X20	
5	4811902	19	Washer, M8	
7	1001003227	1573 mm	Seal	
8	1001204486	1785 mm	Seal	
9	1001209388	1	Latch, Hood	
10	1001169265	1	Plate, Access Panel	
11	1001219115	1	Panel, Front Wheel	
12	1001192627	1	Panel, Rear Cover	
19	0760808	12	Bolt, M8X16	
20	4812002	10	Washer, M10	
21	1001008999	1381 mm	Trim, Edge	
101	1001192631	1	Panel, Bottom Cover	
102	1001194969	1	Panel, Access	
103	1001219250	1	Panel, Bottom Front Cover	
201	1001192623J	1	Panel, Side Skirt	
202	1001224450J	1	Panel, Rear Skirt	
203	1001219113J	1	Panel, Front Skirt	

FIGURE 1-14. COVER INSTALLATION (ULS)

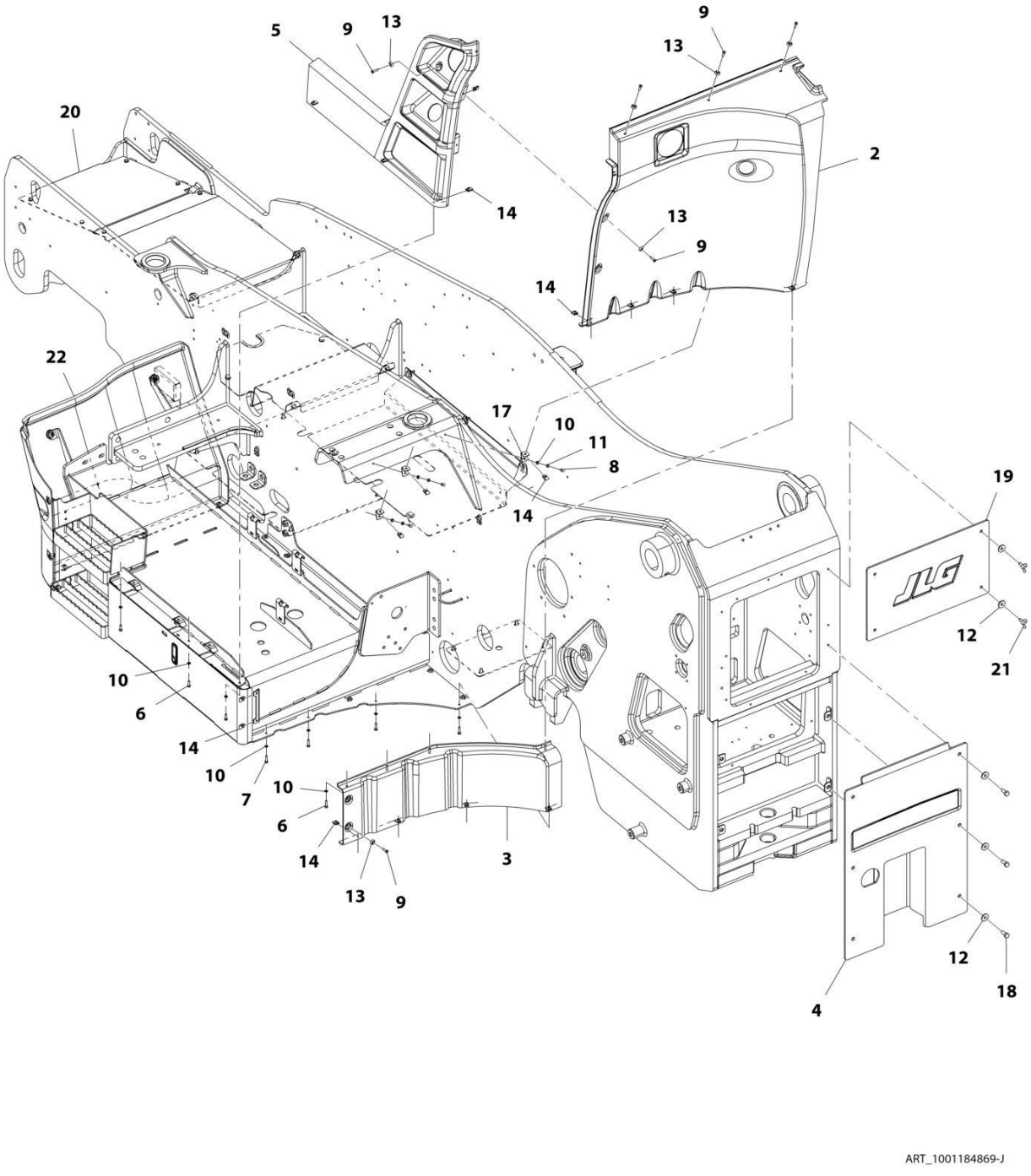


FIGURE 1-14. COVER INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184869	Ref	Cover Installation (ULS)	J
2	1001184872	1	Cover, Rear Tank	
3	1001184874	1	Cover, Lower Rear Tank	
4	1001213834	1	Cover, Rear Frame	
5	1001168758	1	Cover, Side Tank	
6	0700610	7	Bolt, M6X20	
7	0700612	4	Bolt, M6X25	
8	0760607	3	Bolt, M6X14	
9	0630576	9	Screw, M6X20	
10	4811700	14	Washer, M6	
11	4831700	3	Washer, Lock M6	
12	4812002	10	Washer, M10	
13	1001097540	9	Washer, M6	
14	1001130220	19	Nut, M6	
17	1001231385	3	Plate, Angle Mount	
18	0761012	6	Bolt, M10X25	
19	1001213833	1	Cover, Rear Frame	
20	1001198307	1	Installation, Frame Cover (See Separate Breakdown in this Section)	
21	1001250708	4	Bolt, M8X20	
22	1001201848	1	Installation, Front Lower Cover (See Separate Breakdown in this Section)	

FIGURE 1-15. COVER INSTALLATION (LS)

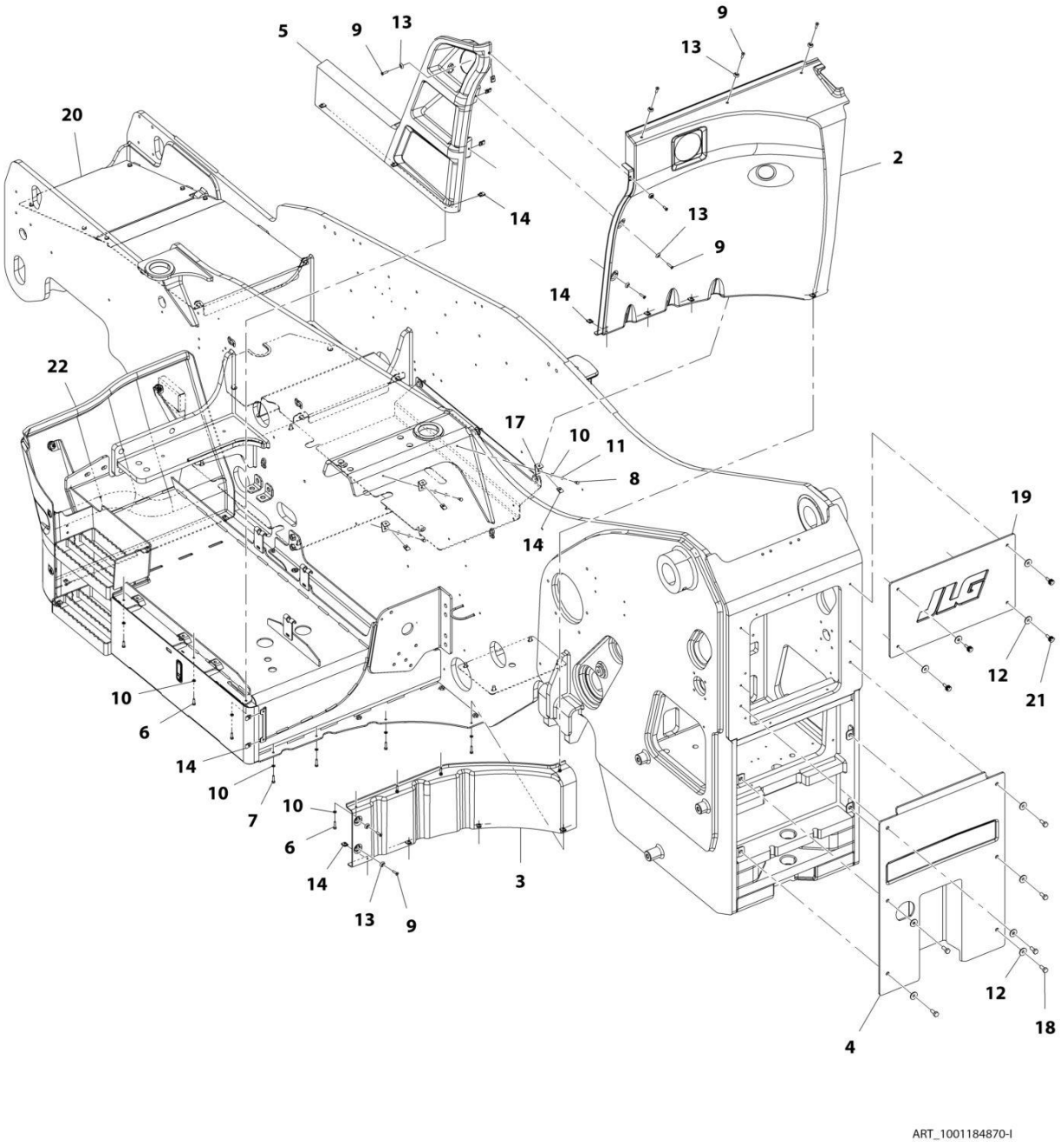


FIGURE 1-15. COVER INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184870	Ref	Cover Installation (LS)	J
2	1001184872	1	Cover, Rear Tank	
3	1001184874	1	Cover, Lower Rear Tank	
4	1001213834	1	Cover, Rear Frame	
5	1001172829	1	Cover, Side Tank	
6	0700610	7	Bolt, M6X20	
7	0700612	4	Bolt, M6X25	
8	0760607	3	Bolt, M6X14	
9	0630576	9	Screw, M6X20	
10	4811700	14	Washer, M6	
11	4831700	3	Washer, Lock M6	
12	4812002	10	Washer, M10	
13	1001097540	9	Washer, M6	
14	1001130220	19	Nut, M6	
17	1001231385	3	Plate, Angle Mount	
18	0761012	6	Bolt, M10X25	
19	1001213833	1	Cover, Rear Frame	
20	1001198307	Ref	Installation, Frame Cover (See Separate Breakdown in this Section)	
21	1001250708	4	Bolt M8 x 20	
22	1001201848	Ref	Installation, Front Lower Cover (See Separate Breakdown in this Section)	

FIGURE 1-16. FRAME COVER INSTALLATION

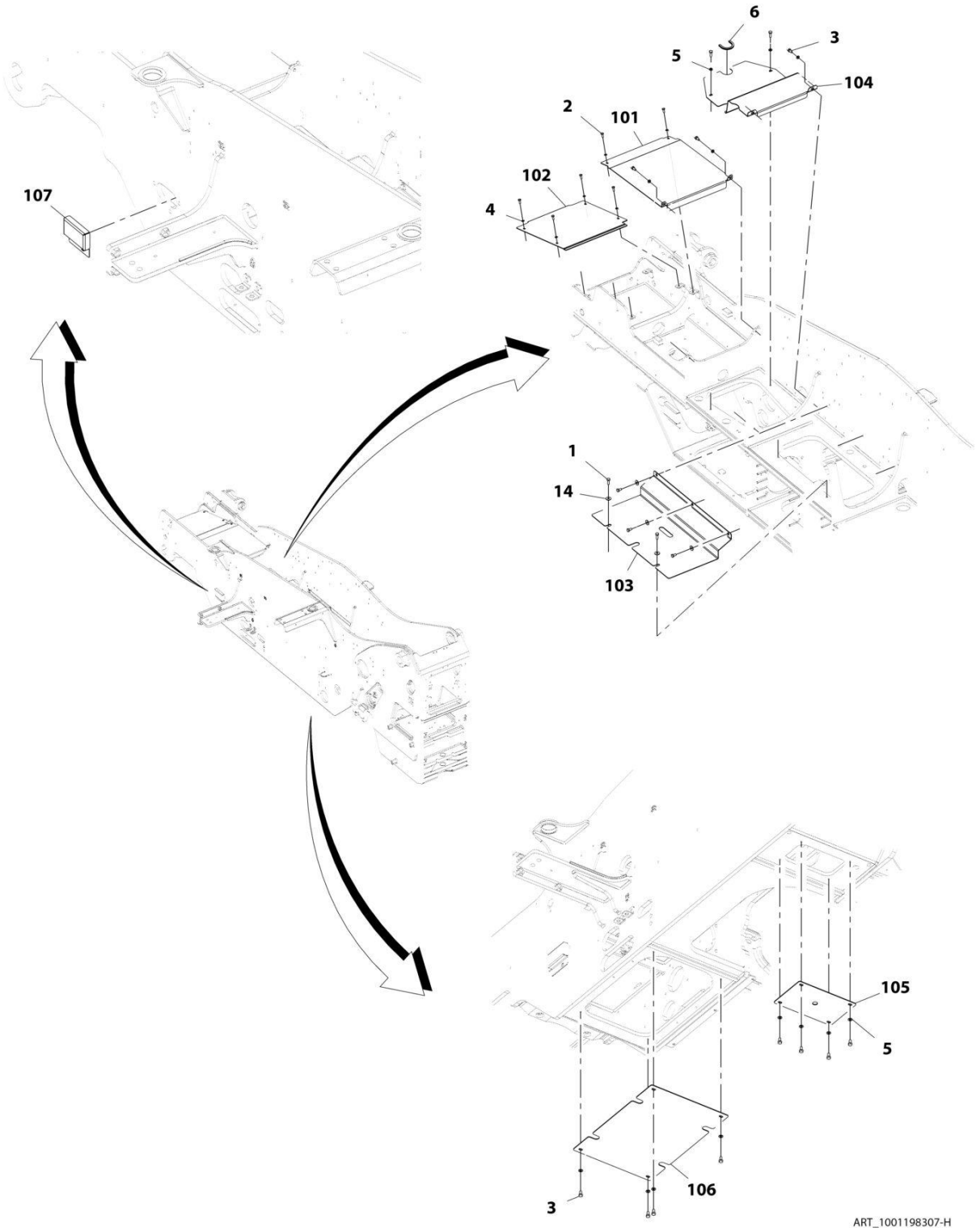


FIGURE 1-16. FRAME COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001198307	Ref	Frame Cover Installation	H
1	0701014	4	Bolt, M10X30	
2	0760810	6	Bolt, M8X20	
3	0761010	15	Bolt, M10X20	
4	4811900	6	Washer, M8	
5	4812000	14	Washer, M10	
6	90206196	0.15 m	Gasket	
14	4812002	5	Washer, M10	
101	1001197056	1	Cover, Battery	
102	1001197057	1	Plate, Valve Cover	
103	1001197733	1	Plate, Frame Cover	
104	1001197734	1	Plate, Frame Cover	
105	1001211899	1	Plate, Frame Cover	
106	1001211900	1	Plate, Frame Cover	
107	1001218694	1	Cover	

FIGURE 1-17. FRONT LOWER COVER INSTALLATION

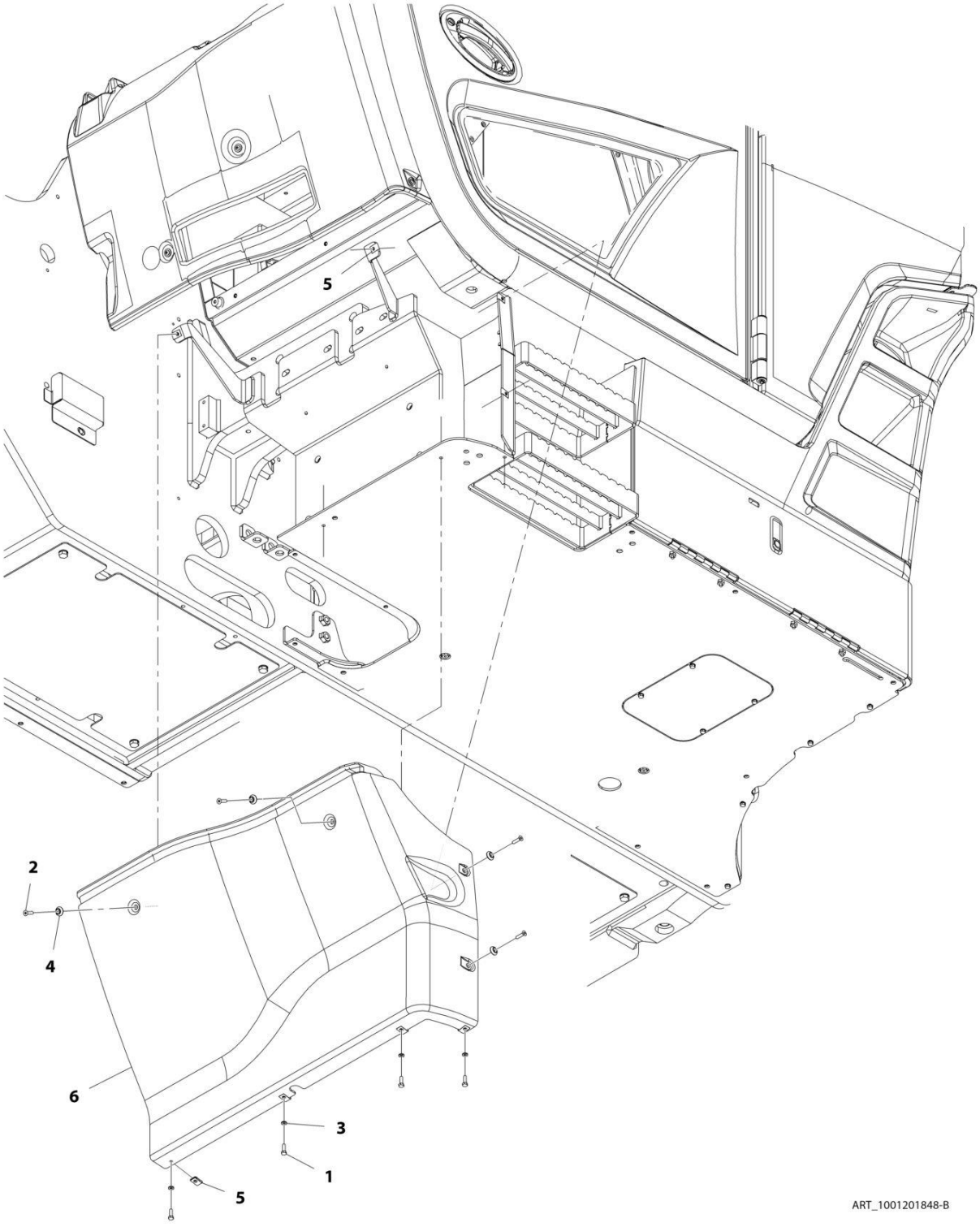


FIGURE 1-17. FRONT LOWER COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201848	Ref	Front Lower Cover Installation	B
1	0700610	4	Bolt, M6X20	
2	3900379	4	Screw, M6-1.00X25	
3	4811700	4	Washer, M6	
4	1001097540	4	Washer, M6	
5	1001130220	6	Nut, M6	
6	1001184871	1	Cover, Front Lower	

FIGURE 1-18. MIRRORS INSTALLATION

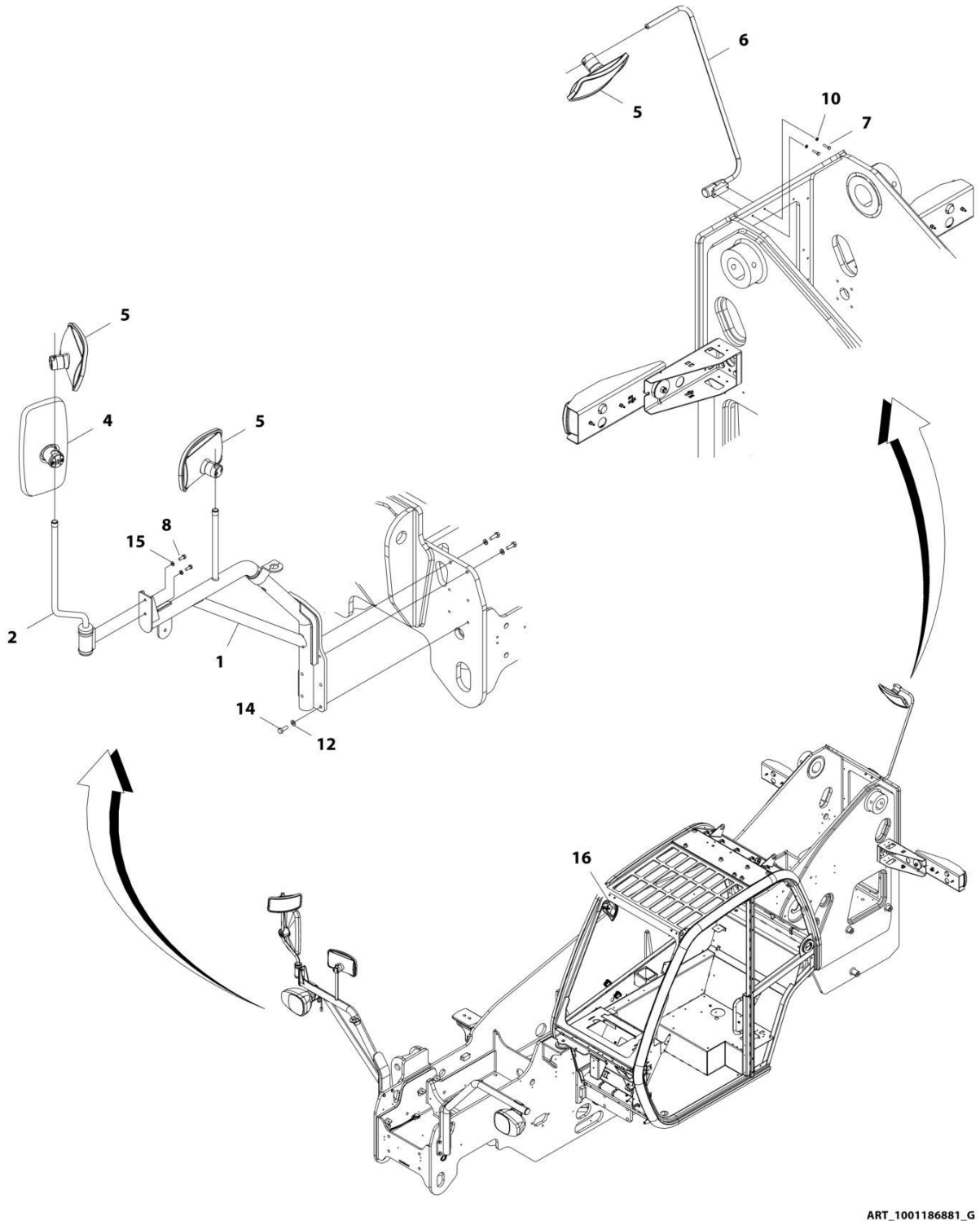
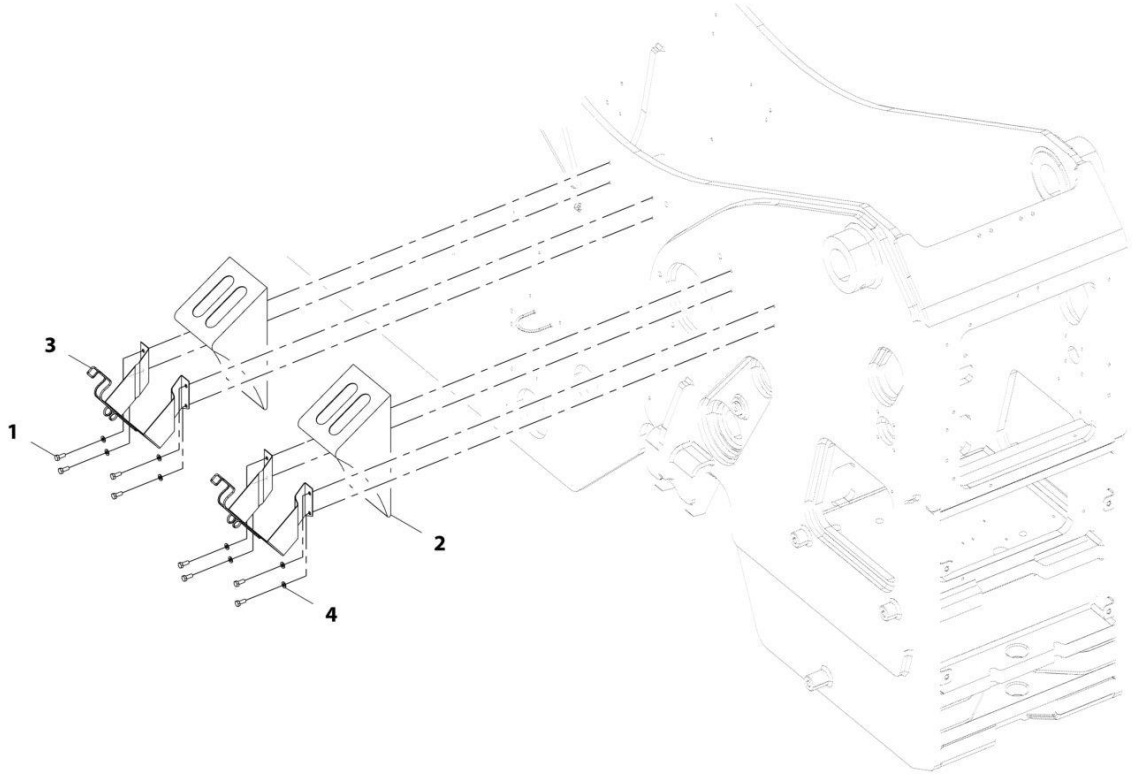


FIGURE 1-18. MIRRORS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186881	Ref	Mirror Installation	G
1	1001265346	1	Bracket	
2	1001209345	1	Bracket	
4	1001175812	1	Mirror, Dual Lens	
5	1001142724	3	Mirror, Convex	
6	1001168429	1	Support, Arm	
7	0700612	2	Bolt, M6X25	
8	0760810	2	Bolt, M8X20	
10	4811700	2	Washer, M6	
12	4812000	6	Washer, M10	
14	0701014	6	Bolt, M10X30	
15	4811900	2	Washer, M8	
16	1001166192	1	Installation, Internal Mirror (See Separate Breakdown in CAB Section)	

FIGURE 1-19. WHEEL CHOCKS INSTALLATION

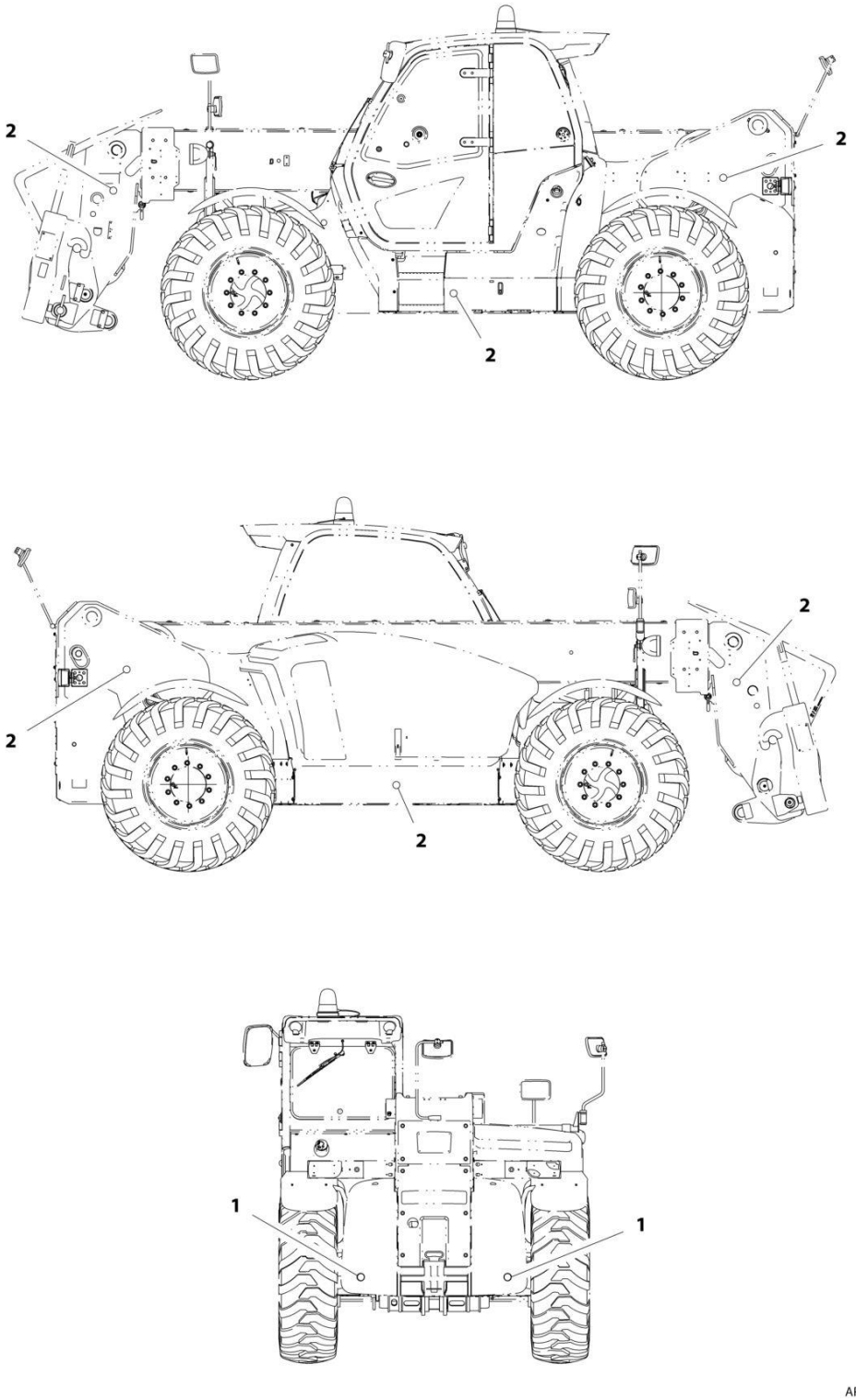


ART_1001192336-B

FIGURE 1-19. WHEEL CHOCKS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192336	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 1-20. REFLECTORS INSTALLATION



ART_1001200344-D

FIGURE 1-20. REFLECTORS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200344	Ref	Reflectors Installation	D
1	3700015	2	Reflector, Rear	
2	3700016	6	Reflector, Side	

SECTION 2 - BOOM

FIGURE 2-1. BOOM INSTALLATION

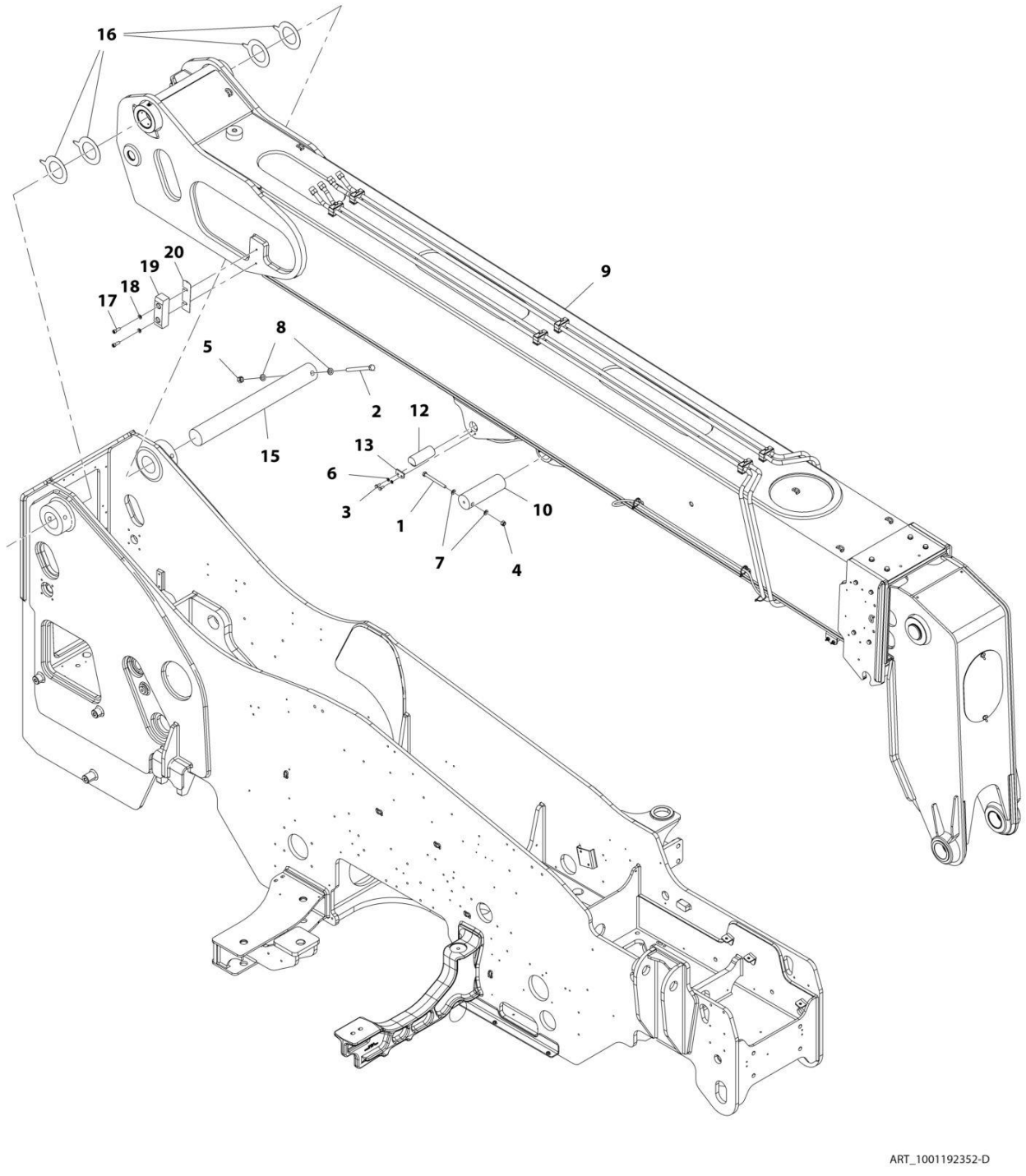


FIGURE 2-1. BOOM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192352	Ref	Boom Installation	D
1	0701230	1	Bolt, M12X130	
2	0711635	1	Bolt, M16X180 Grade 10.9	
3	0760810	2	Bolt, M8X20	
4	3291205	1	Nut, Lock M12X1.75 Grade 8	
5	3291605	1	Nut, Lock M16X2 Grade 8	
6	4811900	2	Washer, M8	
7	4812100	2	Washer, M12	
8	4812300	2	Washer, M16	
9	1001174103	1	Assembly, Boom Section (See Separate Breakdown in this Section)	
10	1001190254	1	Pin	
12	1001190256	1	Pin	
13	1001190257	1	Plate	
15	1001190260	1	Pin	
16	1001219953	4	Shim	
17	4032010	4	Bolt, M10X30	
18	4812000	4	Washer, M10	
19	1001195655	2	Pad, M44X50X160	
20	1001219905	AR	Shim	

FIGURE 2-2. BOOM ASSEMBLY

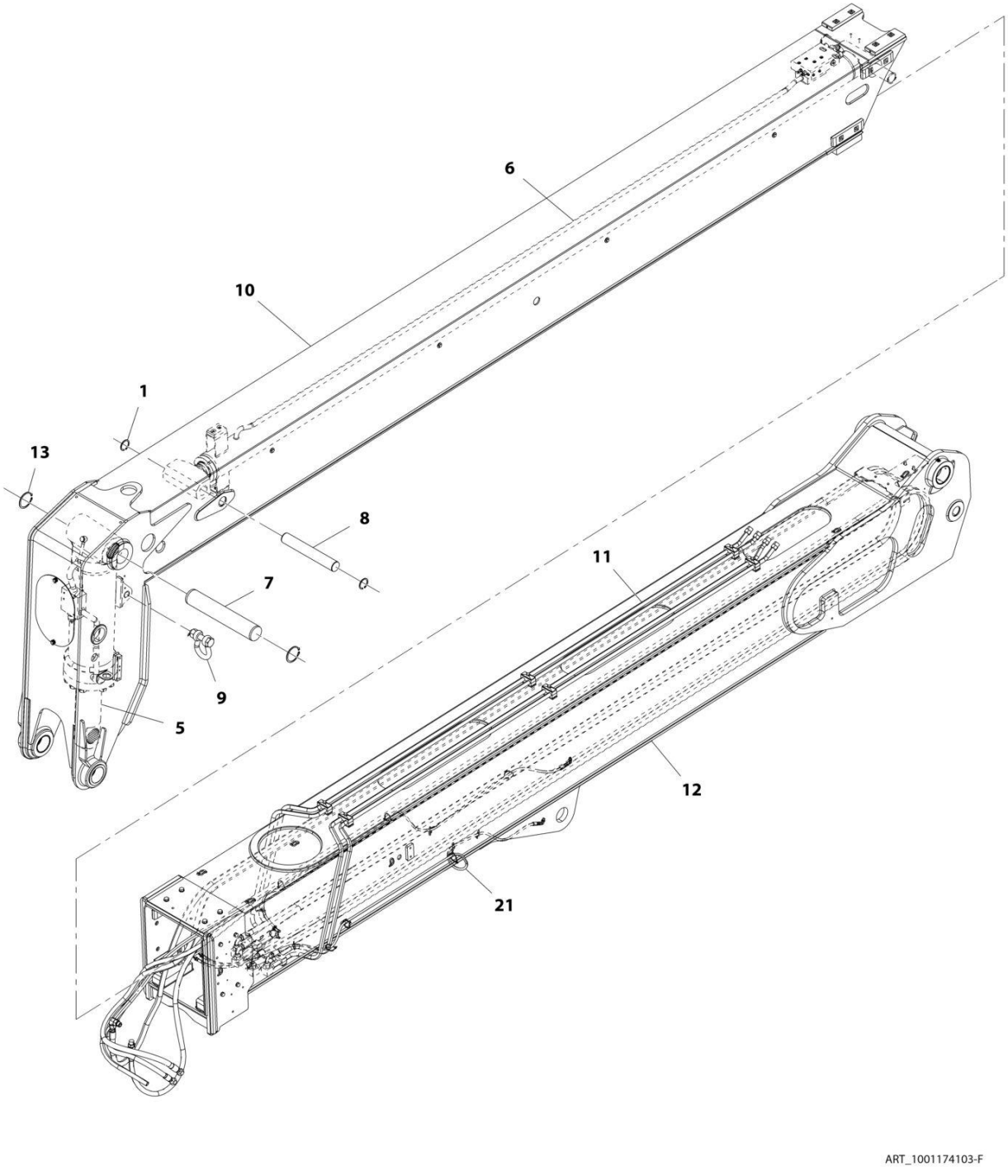


FIGURE 2-2. BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174103	Ref	Boom Assembly	F
1	314689	2	Ring, Retaining M50	
5	1001174812	1	Cylinder, Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
6	1001178157	1	Cylinder Installation - Extend/Retract (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
7	1001203989	1	Pin	
8	1001190253	1	Pin	
9	1001191110	1	Shackle, M25	
10	1001191752	1	Assembly, Boom Section (See Separate Breakdown in this Section)	
11	1001193100	1	Installation, Boom Hydraulic Tubes (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
12	1001195636	1	Assembly, First Boom Section (See Separate Breakdown in this Section)	
13	1001197262	2	Ring, Retaining	
21	1001217352	1	Installation, Boom Remote Grease (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	

FIGURE 2-3. FIRST BOOM SECTION ASSEMBLY

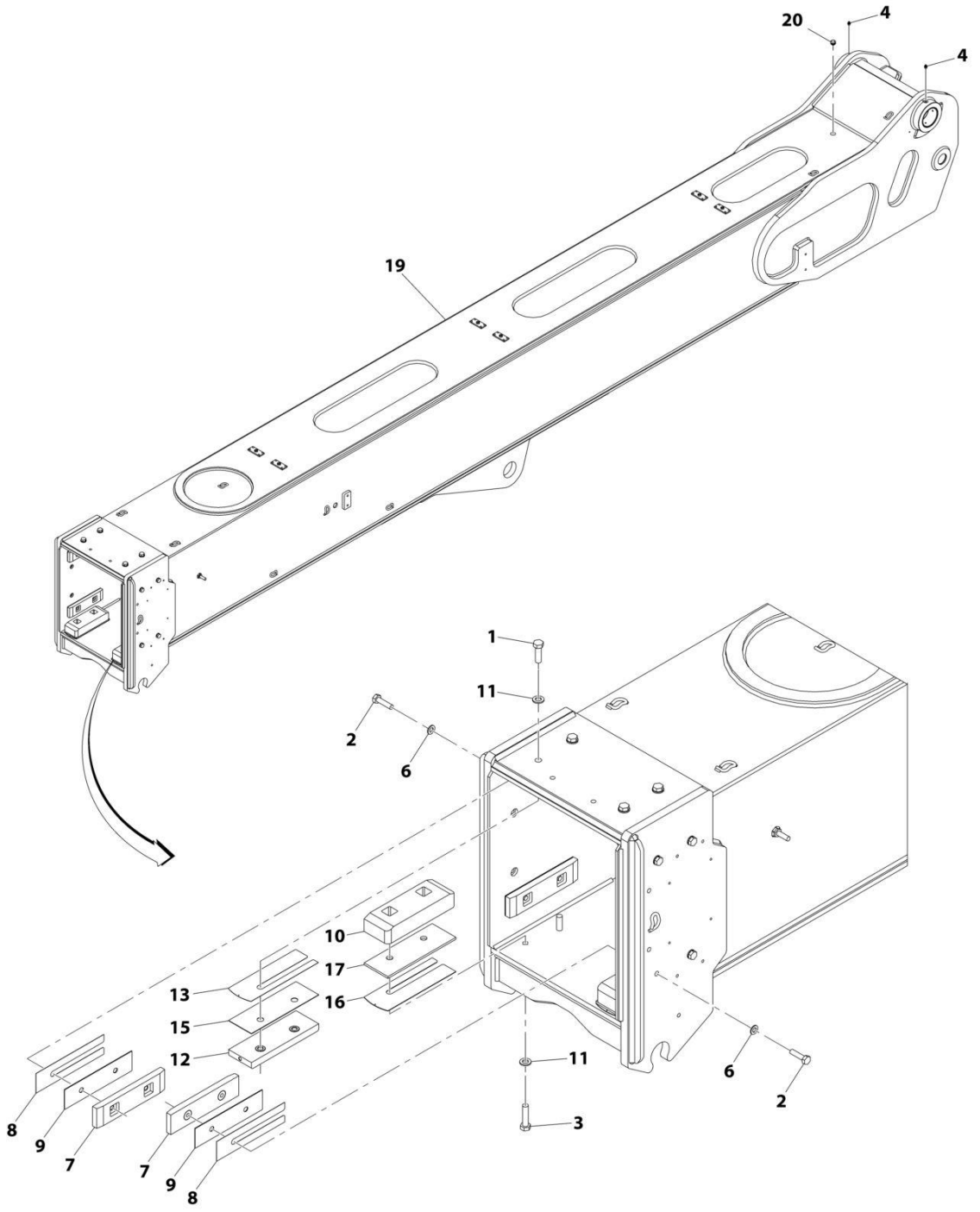


FIGURE 2-3. FIRST BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195636	Ref	First Boom Section Assembly	H
1	0711216	4	Bolt, M12X40 Grade 10.9	
2	0711016	8	Bolt, M10X40 Grade 10.9	
3	0711218	4	Bolt, M12X50 Grade 10.9	
4	2160016	2	Fitting, Grease	
6	4812000	AR	Washer, M10	
7	8002200	4	Pad	
8	8008640	AR	Shim	
9	1001003031	4	Shim	
10	1001227337	2	Pad	
11	1001125117	AR	Washer, M12	
12	1001227334	2	Pad	
13	1001195194	AR	Shim	
15	1001195737	2	Shim	
16	1001195738	AR	Shim	
17	1001195739	2	Shim	
19	1001195637J	1	Boom	
20	3520193	1	Plug	

FIGURE 2-4. SECOND BOOM SECTION ASSEMBLY

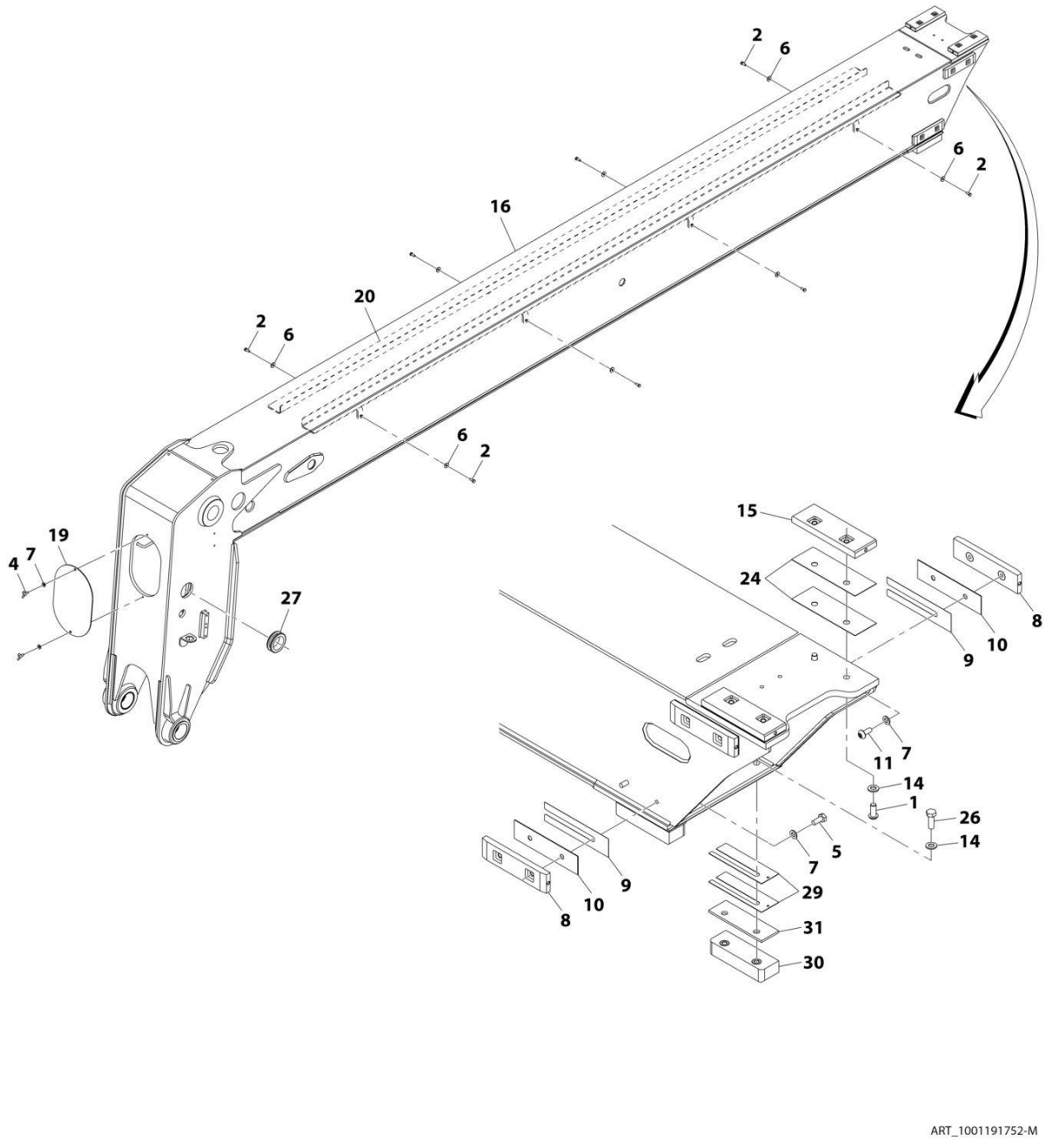


FIGURE 2-4. SECOND BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191752	Ref	Second Boom Section Assembly	M
1	1001229056	1	Screw, M12X30	
2	0760810	8	Bolt, M8X20	
4	1001250708	2	Bolt, M8X20	
5	0771012	4	Bolt, M10X25 Grade 10.9	
6	4811902	8	Washer, M8	
7	4812000	AR	Washer, M10	
8	8002200	4	Pad	
9	8008640	AR	Shim	
10	1001003031	4	Shim	
11	1001009325	4	Screw	
14	1001125117	AR	Washer, M12	
15	1001227334	2	Pad	
16	1001191753	1	Boom	
19	1001191789	1	Plate	
20	1001203987	2	Bracket	
24	1001195737	4	Shim	
26	0711215	4	Bolt, M12X35 Grade 10.9	
27	1001028415	1	Grommet	
29	1001163104	AR	Plate	
30	1001165175	2	Pad	
31	1001215464	2	Shim	

FIGURE 2-5. COUPLER INSTALLATION (MANUAL)

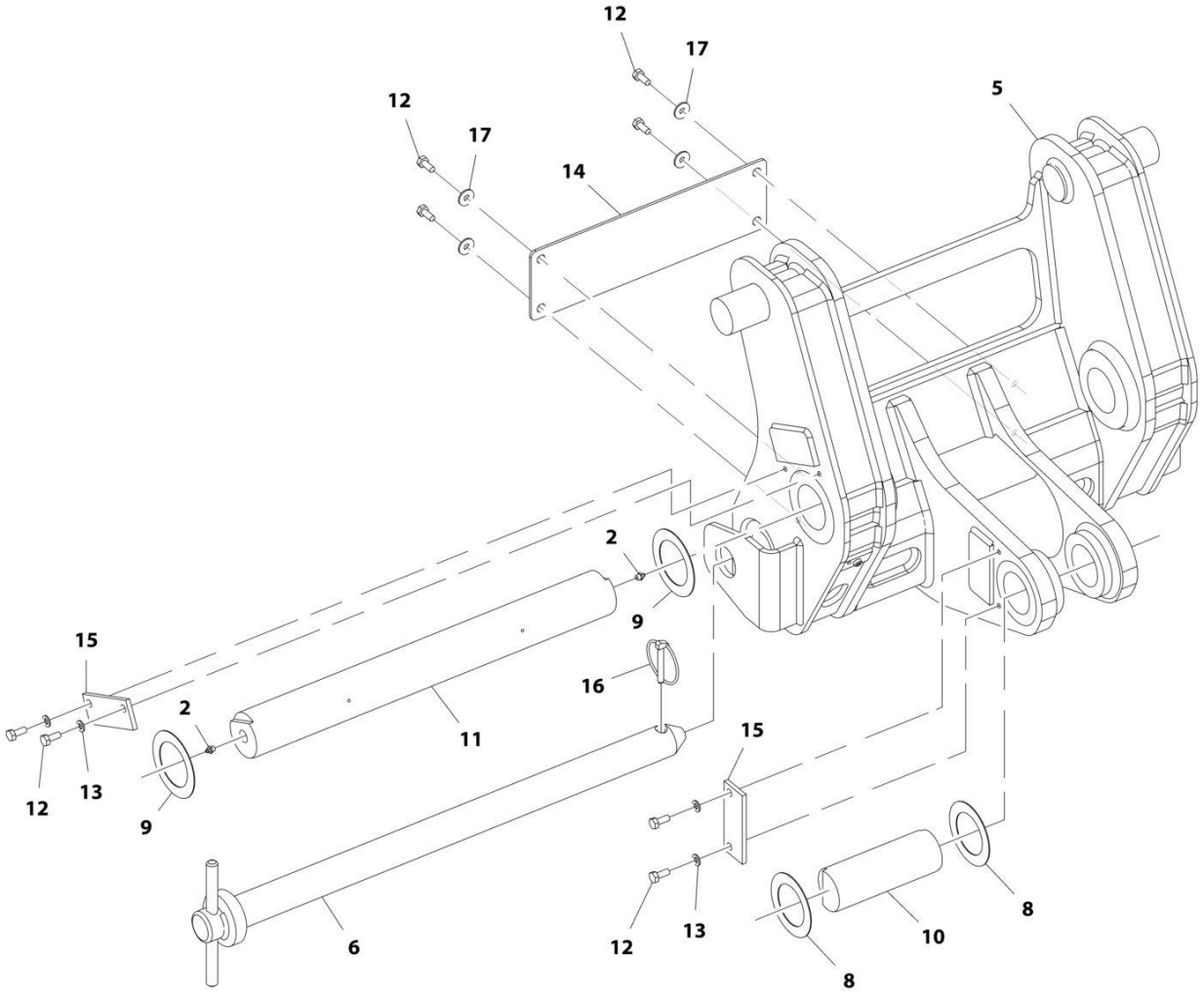


FIGURE 2-5. COUPLER INSTALLATION (MANUAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174104	Ref	Coupler Installation (Manual)	G
2	2160016	2	Fitting, Grease	
5	1001187820	1	Coupling, Manual	
6	1001187821	1	Pin	
8	1001187847	AR	Shim	
9	1001187848	AR	Shim	
10	1001190250	1	Pin, Tilt	
11	1001190264	1	Pin	
12	0761012	8	Bolt, M10X25	
13	4812000	4	Washer, M10	
14	1001200393	1	Plate, Front Cover	
15	1001210326	2	Plate	
16	1001003803	1	Pin	
17	4812002	4	Washer, M10	

FIGURE 2-6. COUPLER INSTALLATION (HYDRAULIC)

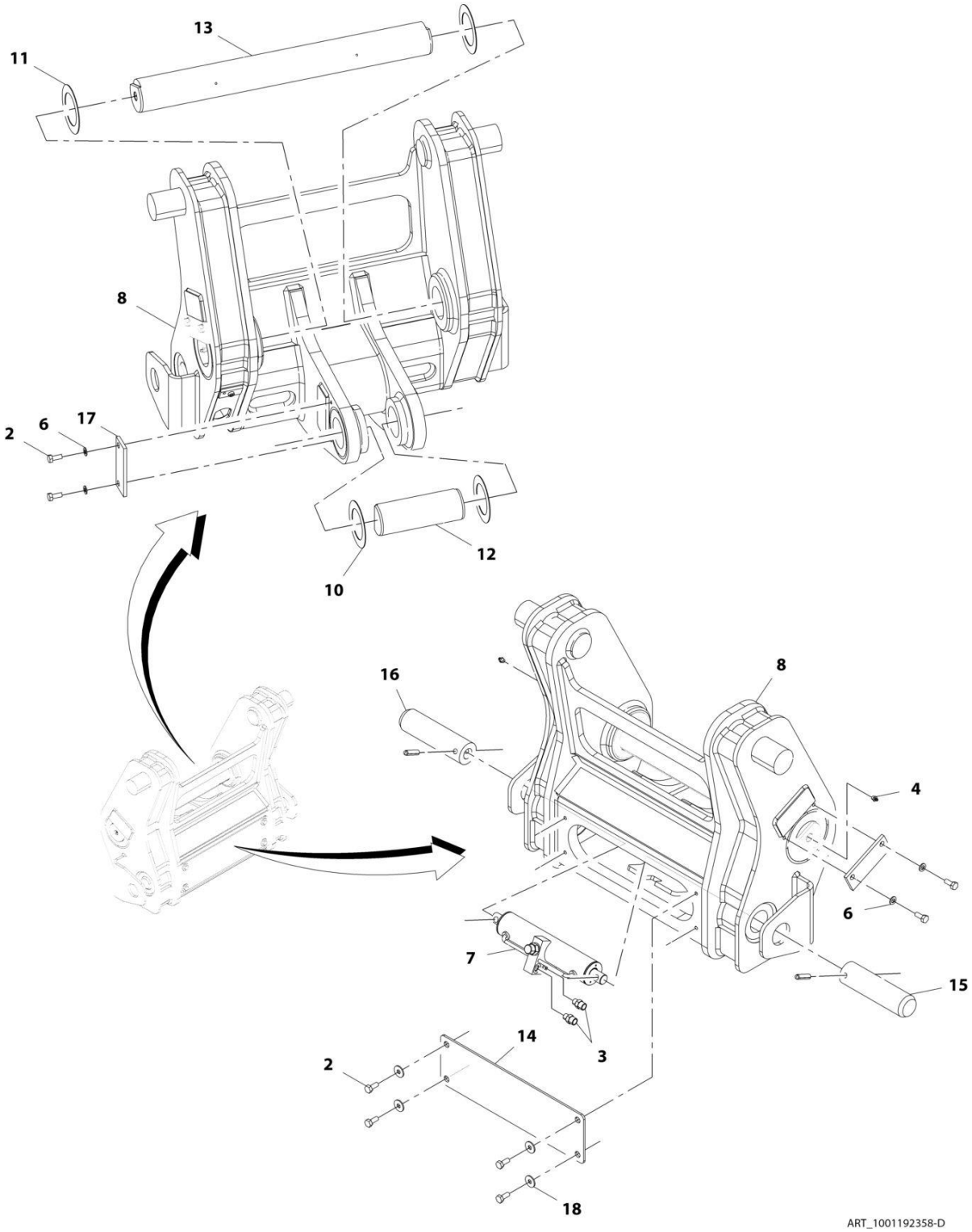
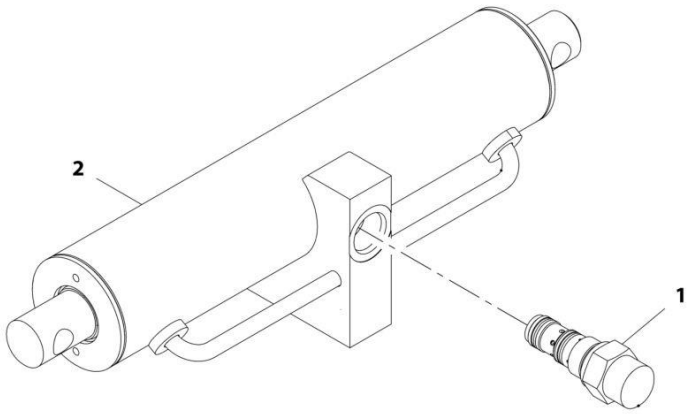


FIGURE 2-6. COUPLER INSTALLATION (HYDRAULIC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192358	Ref	Coupler Installation (Hydraulic)	D
2	0761012	8	Bolt, M10X25	
3	2110606	2	Fitting, Straight ORFS	
4	2160016	2	Fitting, Grease	
6	4812000	4	Washer, M10	
7	1001145391	1	Assembly, Coupler Locking Cylinder (See Separate Breakdown in this Section)	
8	1001187820	1	Carriage	
10	1001187847	AR	Shim, M76X115X1.5	
11	1001187848	AR	Shim, M81X120X1.5	
12	1001190250	1	Pin, Tilt	
13	1001190264	1	Pin, Coupler	
14	1001200393	1	Plate, Front Cover	
15	1001200395	2	Pin	
16	1001184610	2	Pin	
17	1001210326	2	Plate, Pin Retention	
18	4812002	4	Washer, M10	

FIGURE 2-7. COUPLER LOCKING CYLINDER ASSEMBLY



ART_1001145391-A

FIGURE 2-7. COUPLER LOCKING CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001145391	Ref	Coupler Locking Cylinder Assembly	A
1	1001007056	1	Valve, Check	
2	1001145390	1	Cylinder, Coupler Locking (See Separate Breakdown in Hydraulic Components Section)	

FIGURE 2-8. MANUAL COUPLER PIN HOLDER INSTALLATION

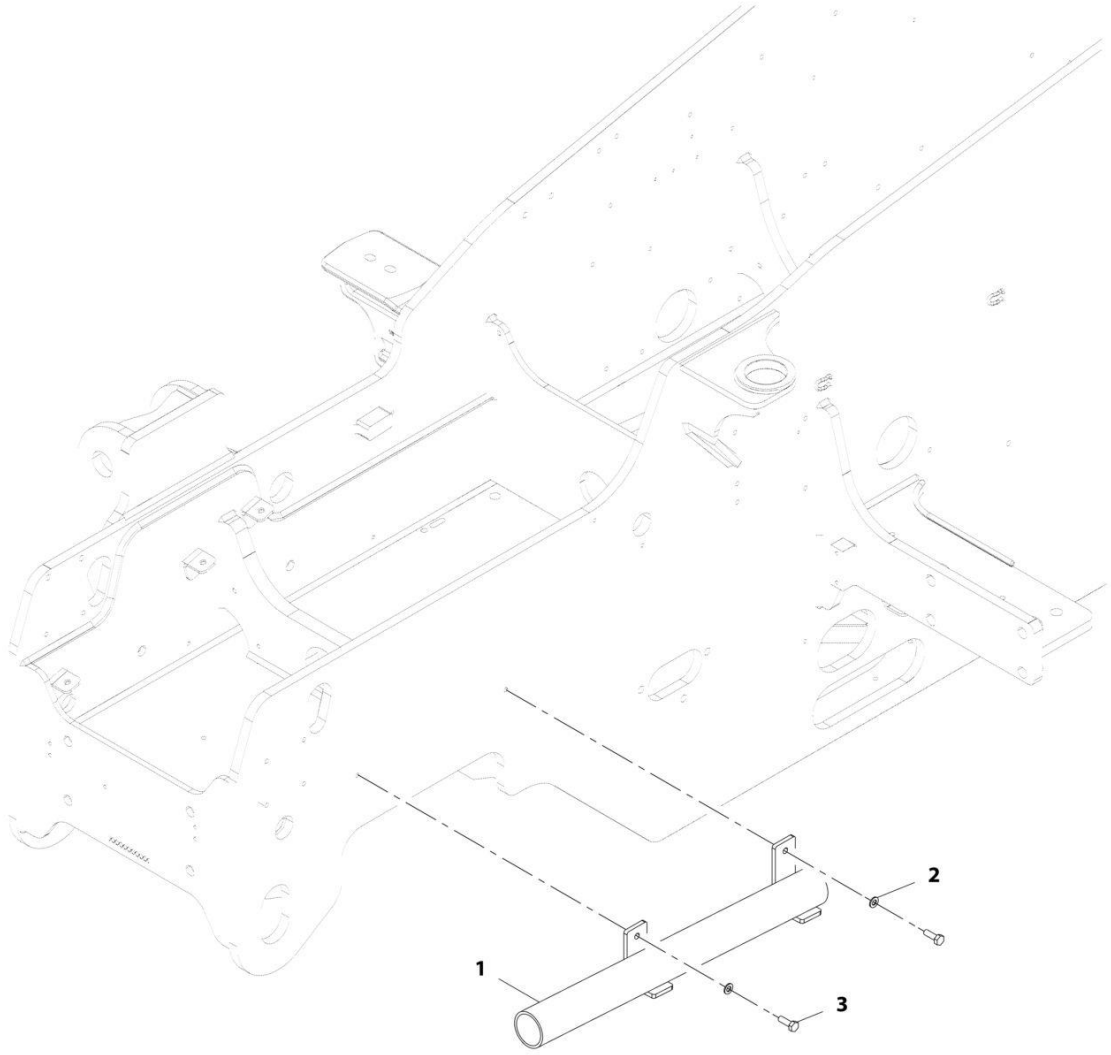


FIGURE 2-8. MANUAL COUPLER PIN HOLDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220641	Ref	Manual Coupler Pin Holder Installation	A
1	1001220248	1	Bracket, Pin Holder	
2	4812000	2	Washer, M10	
3	0701014	2	Bolt, M10X30	

FIGURE 2-9. BOOM BRUSHES INSTALLATION

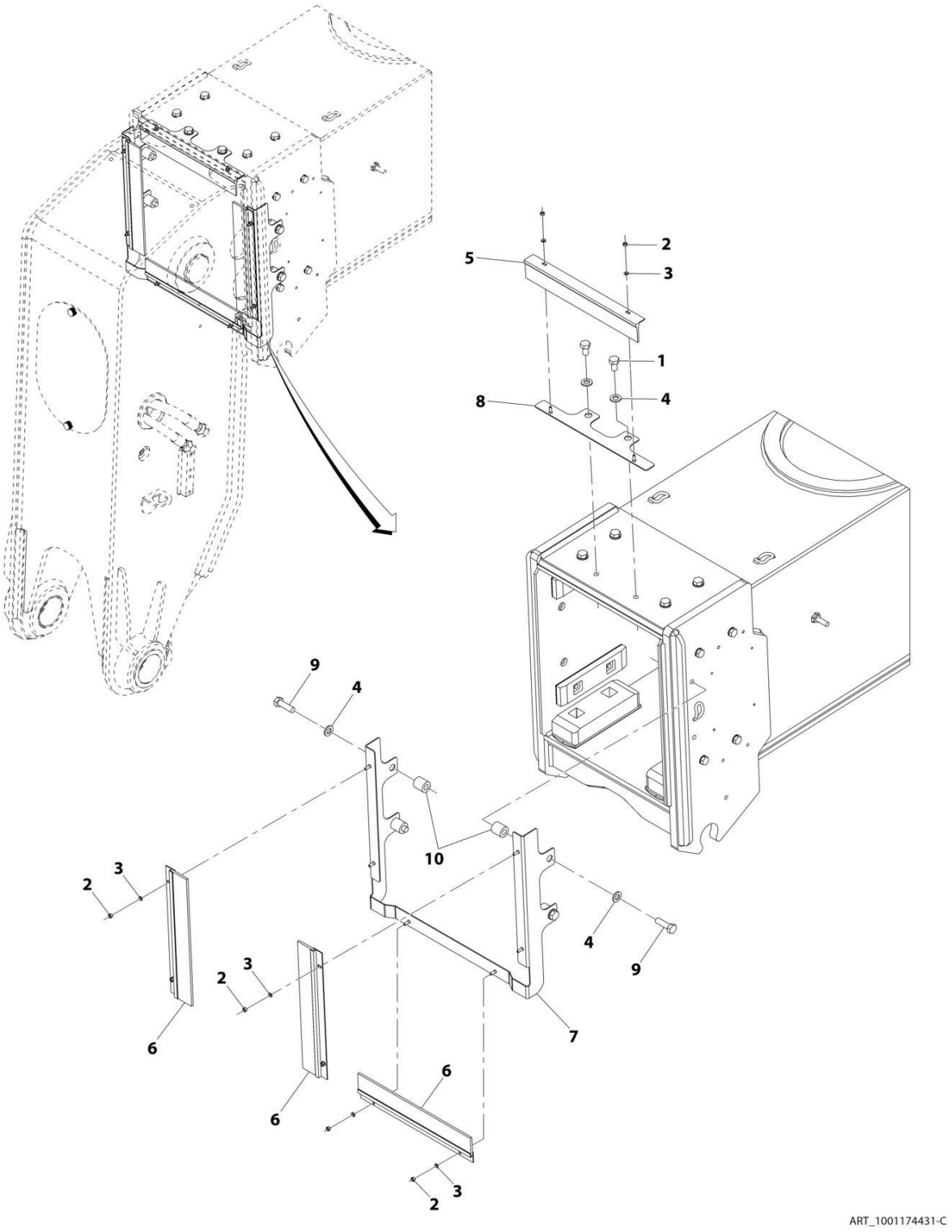


FIGURE 2-9. BOOM BRUSHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174431	Ref	Boom Brushes Installation	C
1	0761210	2	Bolt, M12X20	
2	3290505	8	Nut, Lock M5X0.8 Grade 8	
3	4811600	8	Washer, M5	
4	1001125117	6	Washer, M12	
5	1001172999	1	Brush	
6	1001173679	3	Brush	
7	1001196878	1	Bracket	
8	1001196879	1	Bracket	
9	0701216	4	Bolt, M12X40	
10	1001220286	4	Tube	

FIGURE 2-10. BOOM PROP INSTALLATION

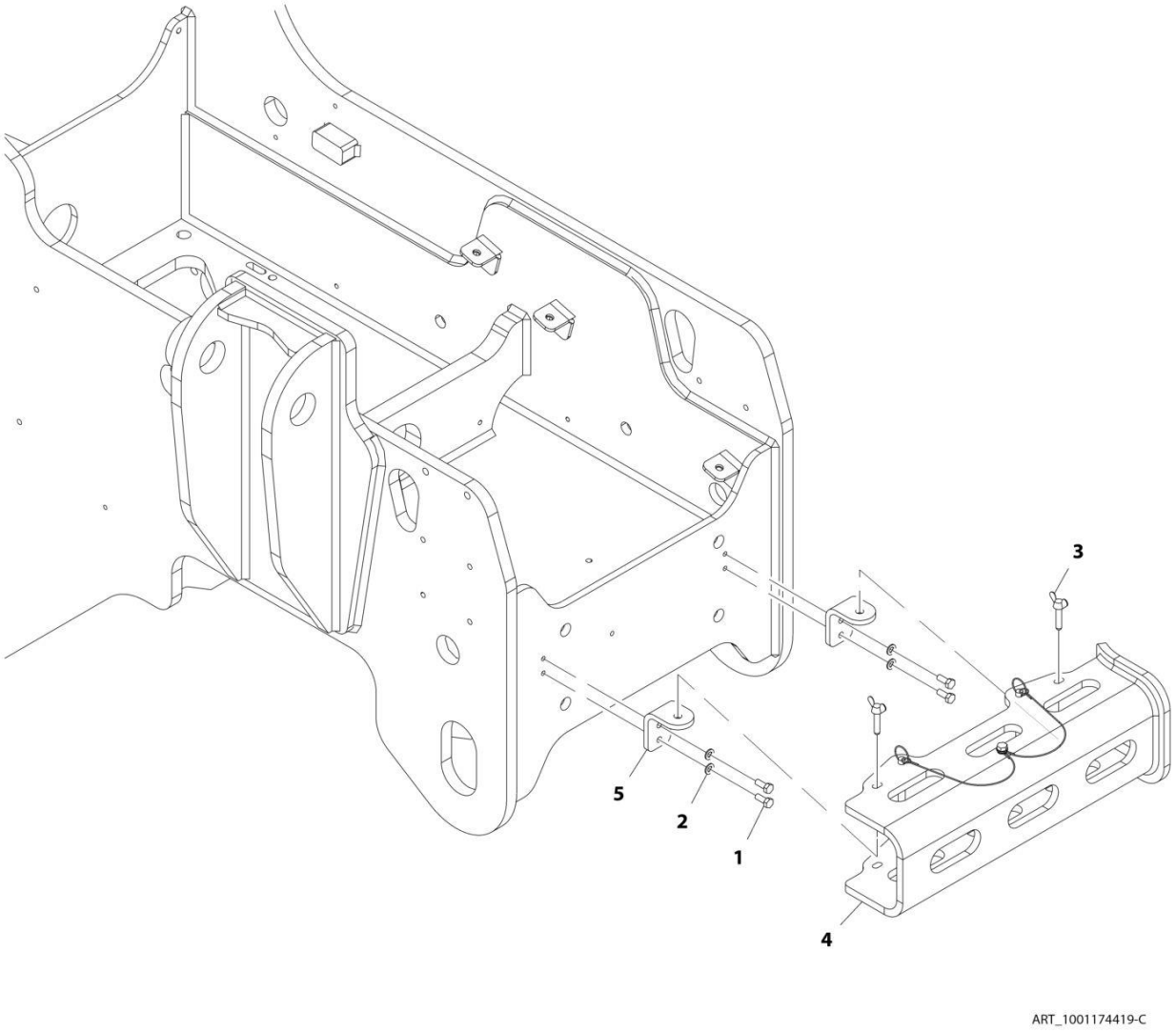


FIGURE 2-10. BOOM PROP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174419	Ref	Boom Prop Installation	C
1	0760810	4	Bolt, M8X20	
2	4811900	4	Washer, M8	
3	1001228860	2	Bolt, Wing M8X30	
4	1001191035	1	Bracket, Boom Prop (See Separate Breakdown in this Section)	
5	1001193887	2	Bracket	

FIGURE 2-11. BOOM PROP BRACKET ASSEMBLY

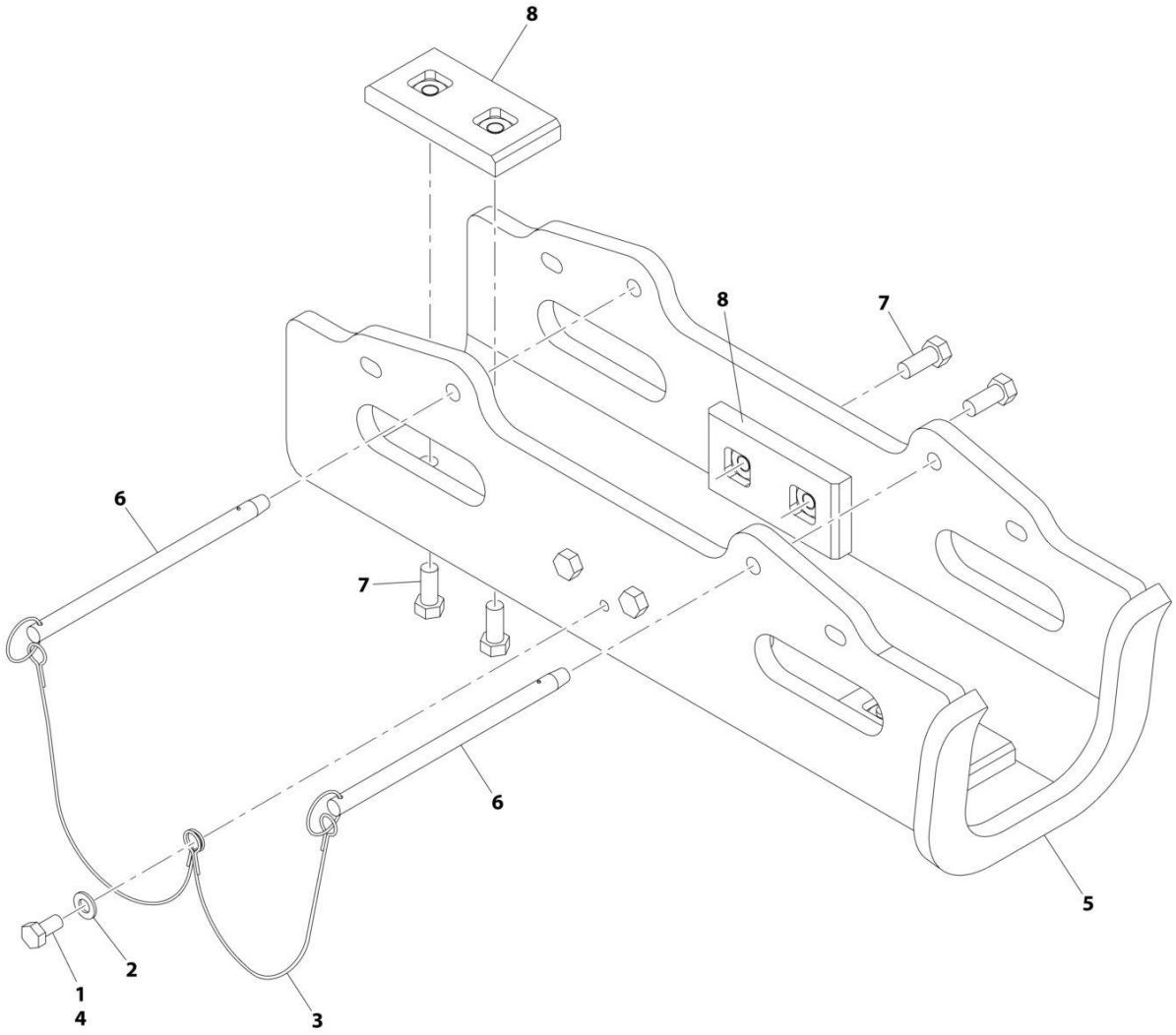


FIGURE 2-11. BOOM PROP BRACKET ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191035	Ref	Boom Prop Bracket Assembly	B
1	0760808	1	Bolt, M8X16	
2	4811900	1	Washer, M8	
3	1001164183	2	Lanyard, Boom Prop	
4	1001095650	AR	Adhesive, Loctite	
5	1001191036	1	Support, Boom Prop	
6	1001191039	2	Pin	
7	0651607	8	Bolt, 3/8-24 X 7/8	
8	91403530	4	Bearing	

SECTION 3 - ATTACHMENTS

FIGURE 3-1. ATTACHMENT RECOGNITION INSTALLATION - COMPLETE

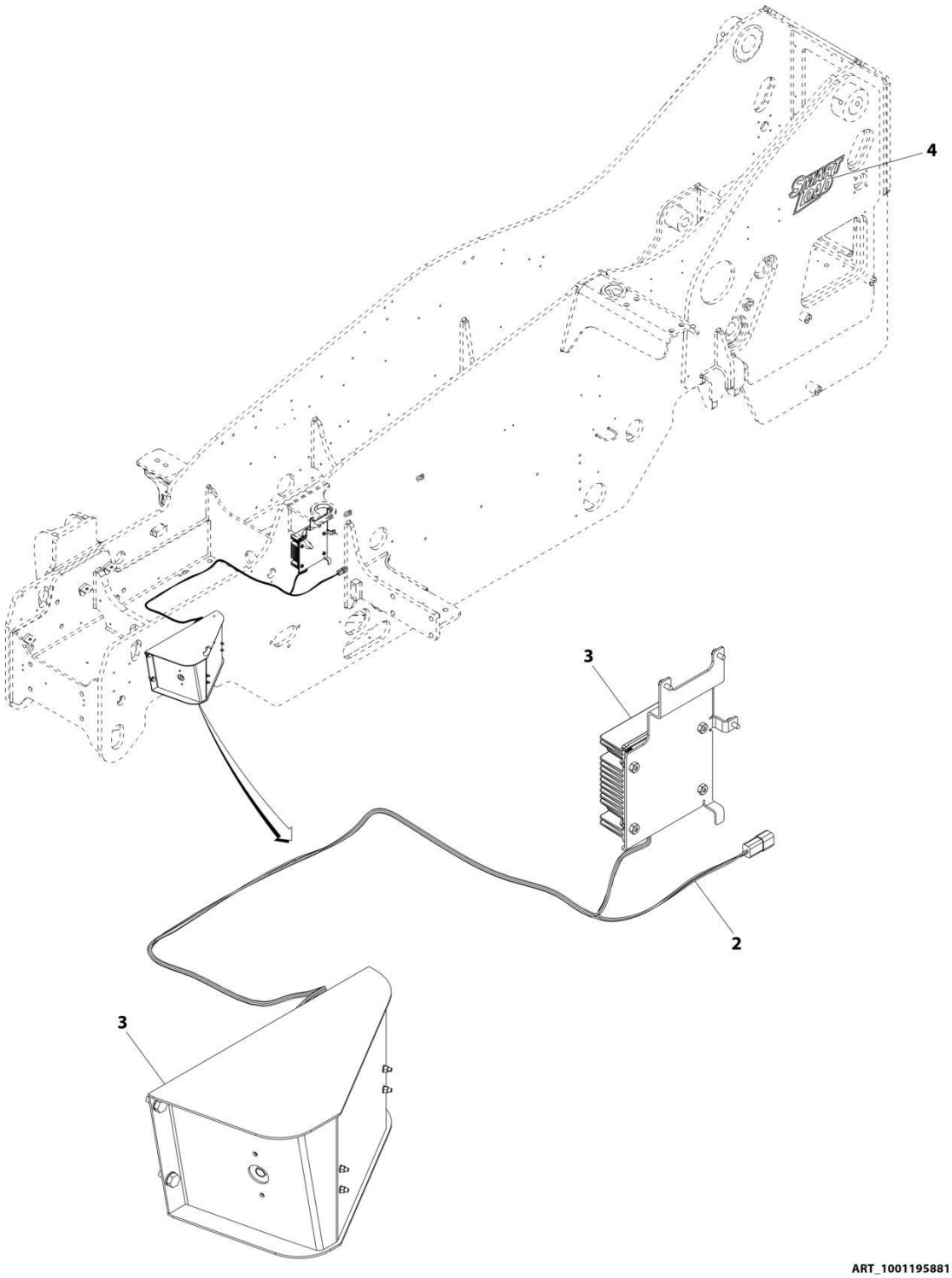


FIGURE 3-1. ATTACHMENT RECOGNITION INSTALLATION - COMPLETE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195881	Ref	Attachment Recognition Installation	F
2	1001249251	1	Cable	
3	1001207866	1	Installation, Components Attachment Recognition (See Separate Breakdown in this Section)	
4	1001250276	2	Decal, Smart Load	

FIGURE 3-2. ATTACHMENT RECOGNITION INSTALLATION

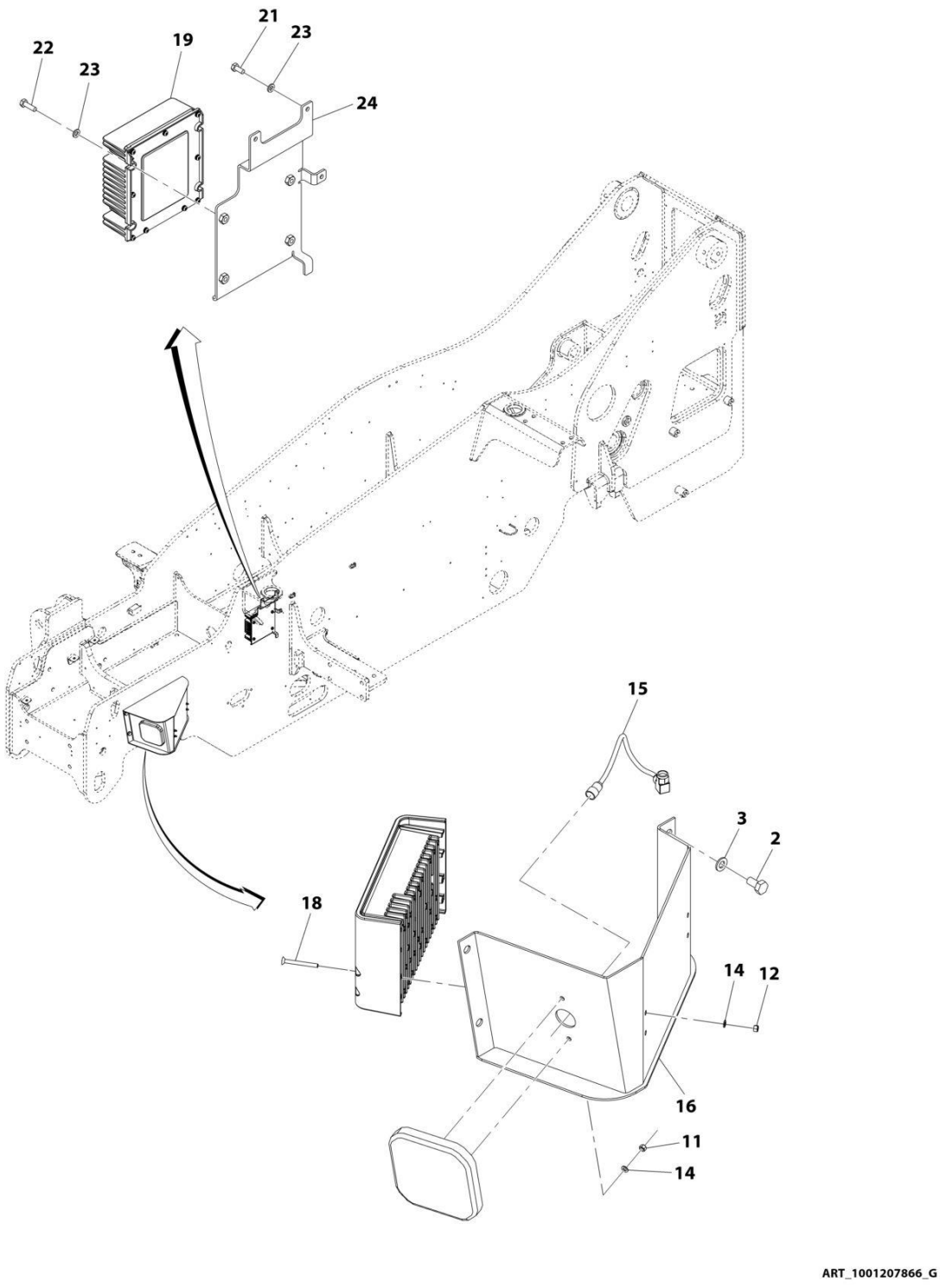
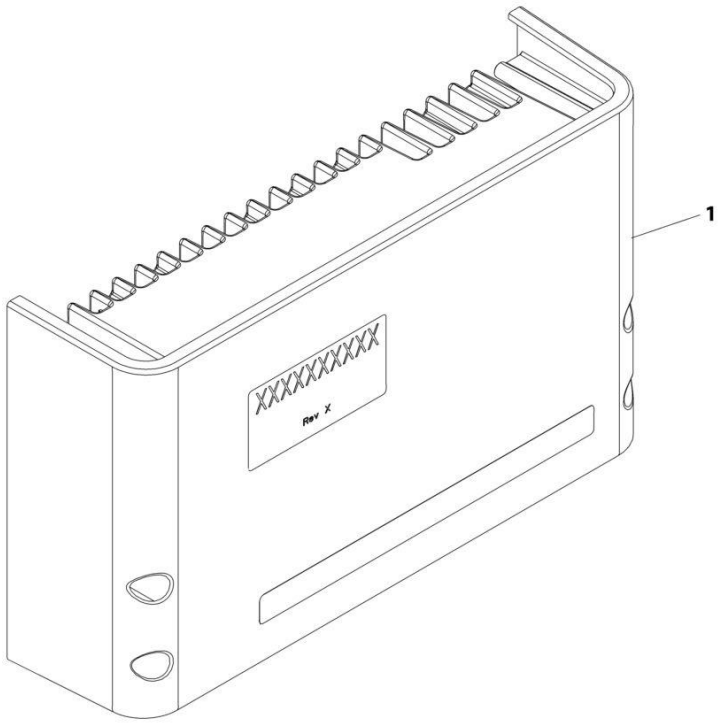


FIGURE 3-2. ATTACHMENT RECOGNITION INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207866	Ref	Components Attachment Recognition Installation	G
2	0761010	4	Bolt, M10X20	
3	4812000	4	Washer, M10	
11	3290505	2	Nut, Lock M5X0.8 Grade 8	
12	3290507	4	Nut, Lock M5X0.8	
14	4811600	6	Washer, M5	
15	1001206725	1	Cable	
16	1001232988	1	Bracket, Attachment Recognition	
18	1001234395	4	Screw, M5X50	
19	1001249078	1	Control, Voltage	
21	0760607	3	Bolt, M6X14	
22	0700610	4	Bolt, M6X20	
23	4811700	7	Washer M6	
24	1001249249	1	Bracket, Converter Support	

FIGURE 3-3. ATTACHMENT RECOGNITION RECEIVER (ALL SPECS EXCEPT AUS & CE SPECS

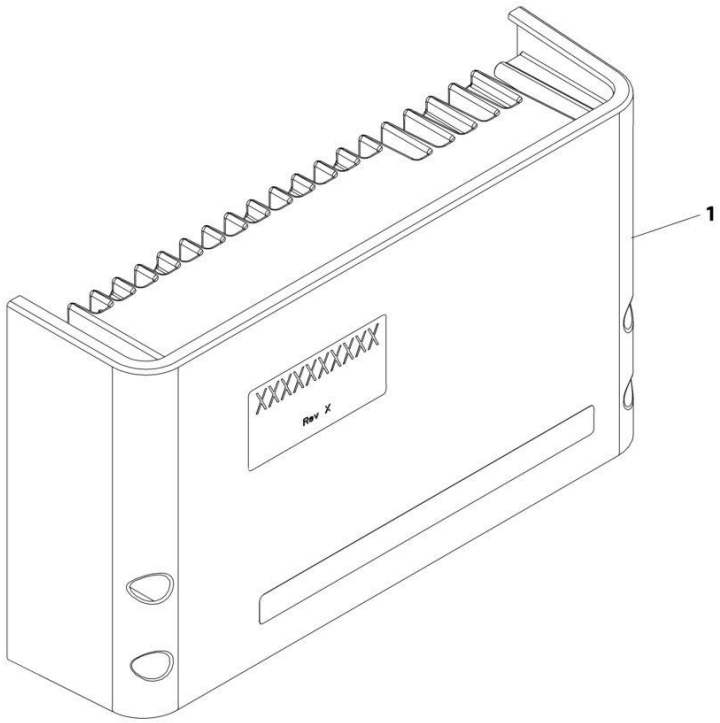


ART_1001250475-B

FIGURE 3-3. ATTACHMENT RECOGNITION RECEIVER (ALL SPECS EXCEPT AUS & CE SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250475	1	ATTACHMENT RECOGNITION RECEIVER (FCC)	B
		Ref	**No Serviceable Parts. Purchase complete assembly**	

FIGURE 3-4. ATTACHMENT RECOGNITION RECEIVER (AUS & CE SPECS

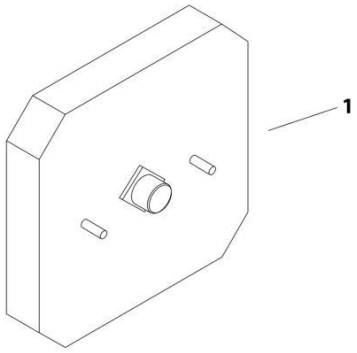


ART_1001250476-B

FIGURE 3-4. ATTACHMENT RECOGNITION RECEIVER (AUS & CE SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250476	1	ATTACHMENT RECOGNITION RECEIVER (EU)	B
		Ref	**No Serviceable Parts. Purchase complete assembly**	

FIGURE 3-5. ATTACHMENT RECOGNITION ANTENNA (ALL SPECS EXCEPT AUS & CE SPECS

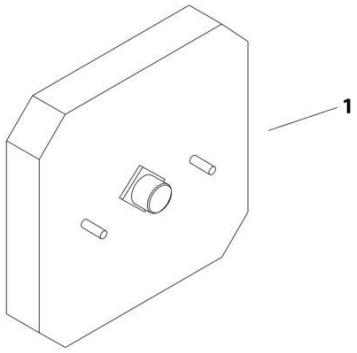


ART_1001202730

FIGURE 3-5. ATTACHMENT RECOGNITION ANTENNA (ALL SPECS EXCEPT AUS & CE SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202730	1	ATTACHMENT RECOGNITION ANTENNA (FCC)	

FIGURE 3-6. ATTACHMENT RECOGNITION ANTENNA (AUS & CE SPECS



ART_1001237738

FIGURE 3-6. ATTACHMENT RECOGNITION ANTENNA (AUS & CE SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202730	1	ATTACHMENT RECOGNITION ANTENNA (FCC)	

FIGURE 3-7. BALE HANDLER (ROUND BALES)

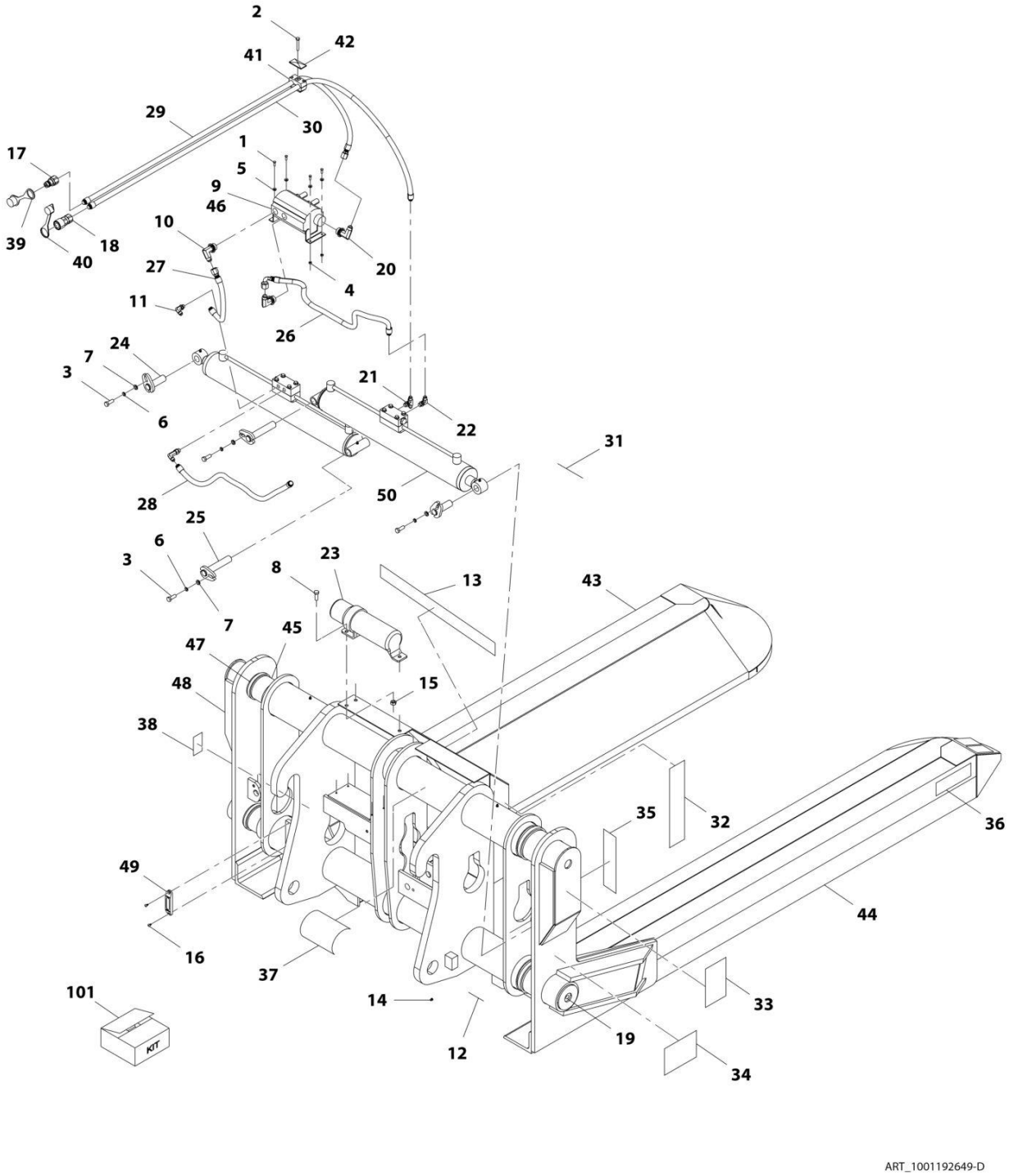


FIGURE 3-7. BALE HANDLER (ROUND BALES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192649	Ref	Bale Handler (round)	E
1	70027773	4	Bolt	
2	70028485	1	Screw	
3	70021349	4	Bolt, 3/8X1	
4	90554066	4	Nut	
5	90554067	4	Washer, Lock	
6	90554042	4	Washer, Lock	
7	70021350	4	Washer	
8	70028635	3	Bolt	
9	70028636	1	Plug w/O-Ring	
10	70028637	2	Fitting, 90	
11	90554065	1	Fitting, 90	
12	7029712	4	Decal, Grease	
13	70028638	1	Decal, Stand Clear Warning	
14	90554045	4	Fitting, Grease	
15	70028615	3	Nut	
16	70028554	2	Screw	
17	1001101041	1	Adapter, Male Quick Disconnect	
18	70028616	1	Fitting, Straight	
19	70028617	4	Plug	
20	70028618	1	Fitting, 90	
21	70028619	1	Fitting, Tee	
22	70028620	1	Fitting, 90	
23	1001101042	1	Adapter, Female Quick Disconnect	
24	70028489	2	Pin	
25	70028490	2	Pin	
26	70028621	1	Hose	
27	70028622	1	Hose	
28	70028623	1	Hose	
29	70028624	1	Hose	
30	7029709	1	Hose	
31	7029711	1	Decal, High Pressure Warning	
32	70028625	2	Decal, Pinch Point	
33	70028626	1	Decal, Transport Warning	
34	70028627	1	Decal, Safety Warning	
35	70028628	6	Decal, Red Reflexite	
36	70028629	6	Decal, Amber Reflexite	
37	70028630	1	Decal, Module Staging	
38	N.S.S.	1	Plate, Serial Number	
39	8420053	1	Cap, Dust	
40	8420055	1	Cap, Dust	
41	70028495	1	Clamp	
42	70028496	1	Plate, Clamp	
43	N.S.S.	1	Arm, RH	
44	N.S.S.	1	Arm, LH	
45	70028631	4	Wrap	
46	70028632	1	Valve, Flow Divider	
47	70028633	8	Clamp	
48	N.S.S.	1	Weldment	
49	1001227670	1	Tag, RFID	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70028634	2	Assembly, Cylinder	
101	Kit	1	Kit, Seal	

FIGURE 3-8. BALE HANDLER (SQUARE BALES)

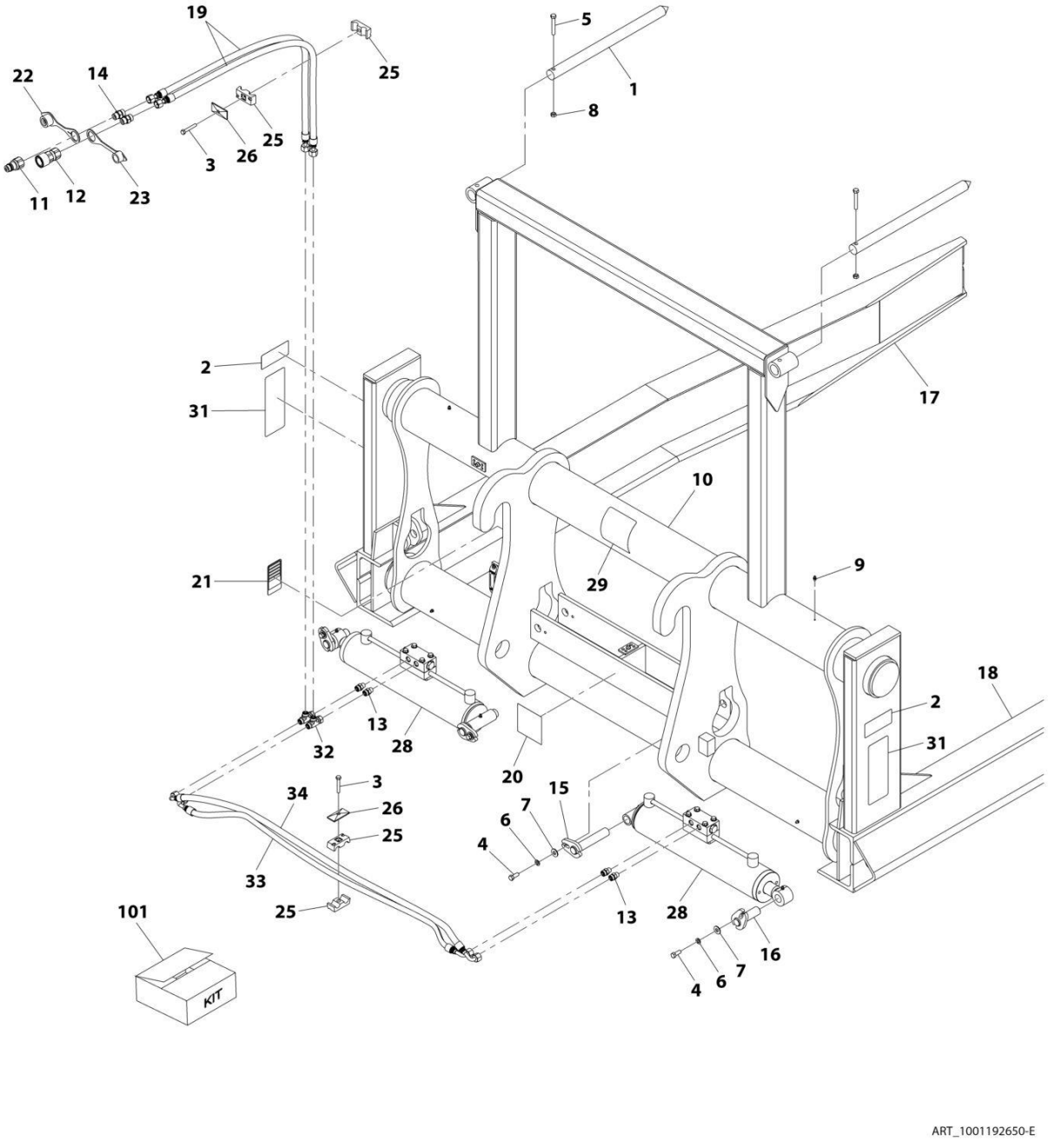


FIGURE 3-8. BALE HANDLER (SQUARE BALES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192650	Ref	Bale Handler (square)	F
1	70028499	2	Spear	
2	70028500	2	Decal, Pinch Point	
3	70028485	2	Screw	
4	70021349	4	Bolt, 3/8X1	
5	70021422	2	Screw	
6	90554042	4	Washer, Lock 3/8	
7	70021350	4	Washer, Flat	
8	70021367	2	Nut, Lock 3/8	
9	90554045	4	Fitting, Grease	
10	N.S.S.	1	Weldment, Main Frame	
11	1001101041	1	Coupler, Male Hydraulic	
12	1001101042	1	Coupler, Female Hydraulic	
13	70028486	4	Fitting	
14	70028488	2	Fitting	
15	70028489	2	Pin	
16	70028490	2	Pin	
17	N.S.S.	1	Weldment, Left Bale Arm	
18	N.S.S.	1	Weldment, Right Bale Arm	
19	70028491	2	Hose	
20	7029711	1	Decal, High Pressure Warning	
21	N.S.S.	1	Plate, Serial Number	
22	8420053	1	Cap, Dust	
23	8420055	1	Cap, Dust	
25	70028495	2	Clamp	
26	70028496	2	Plate, Clamp	
28	70028497	2	Assembly, Cylinder	
29	70028498	1	Decal, Read Manual	
31	70028501	2	Decal, Falling Load	
32	70028487	2	Fitting, Tee	
33	70028492	1	Hose	
34	70028493	1	Hose	
101	70028494	1	Kit, Seal	

FIGURE 3-9. BASKET, PERSONNEL (1.2MX2.4M) (ISO)

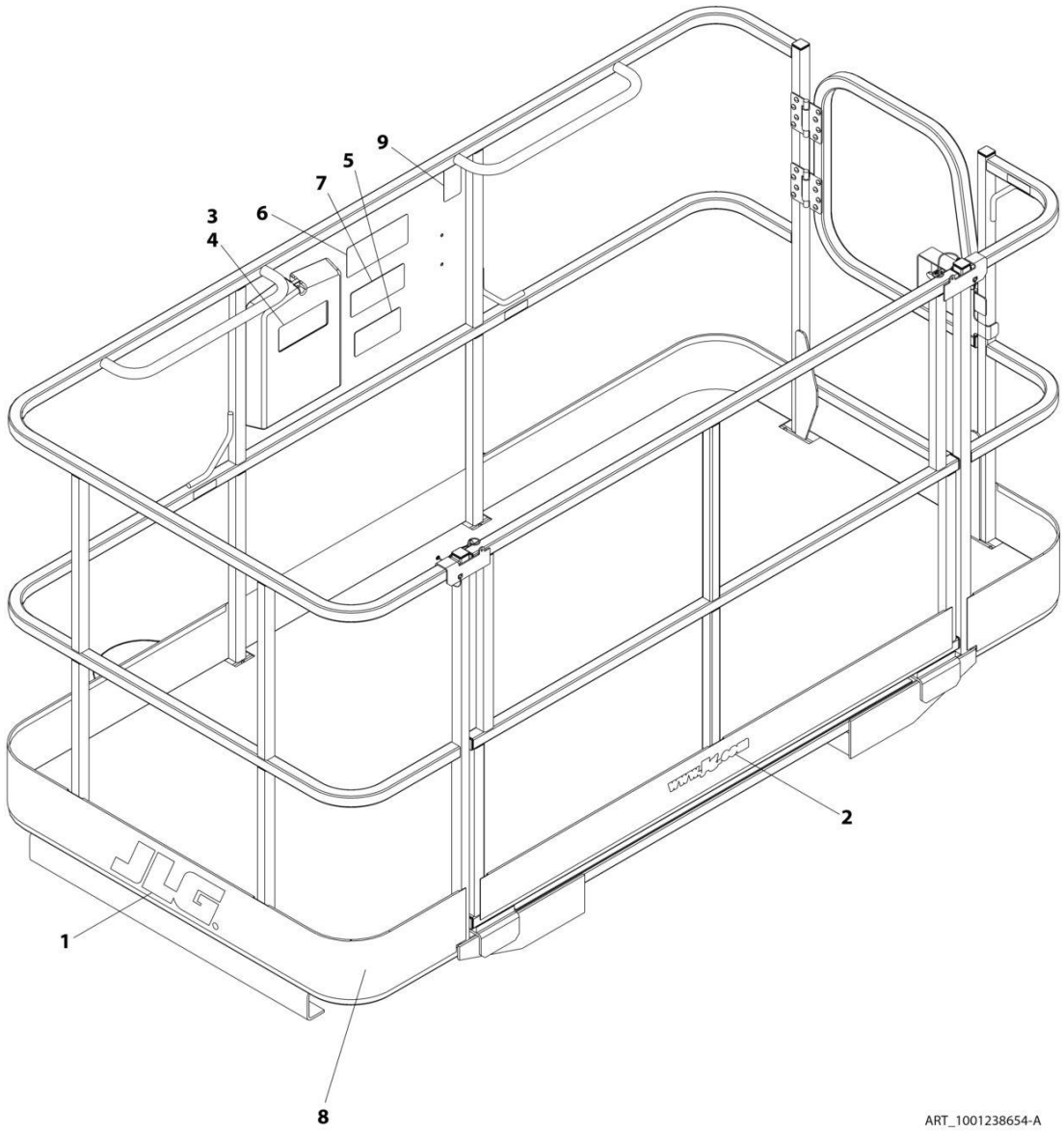


FIGURE 3-9. BASKET, PERSONNEL (1.2MX2.4M) (ISO)

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 3-10. BASKET ASSEMBLY - FORK MOUNTED

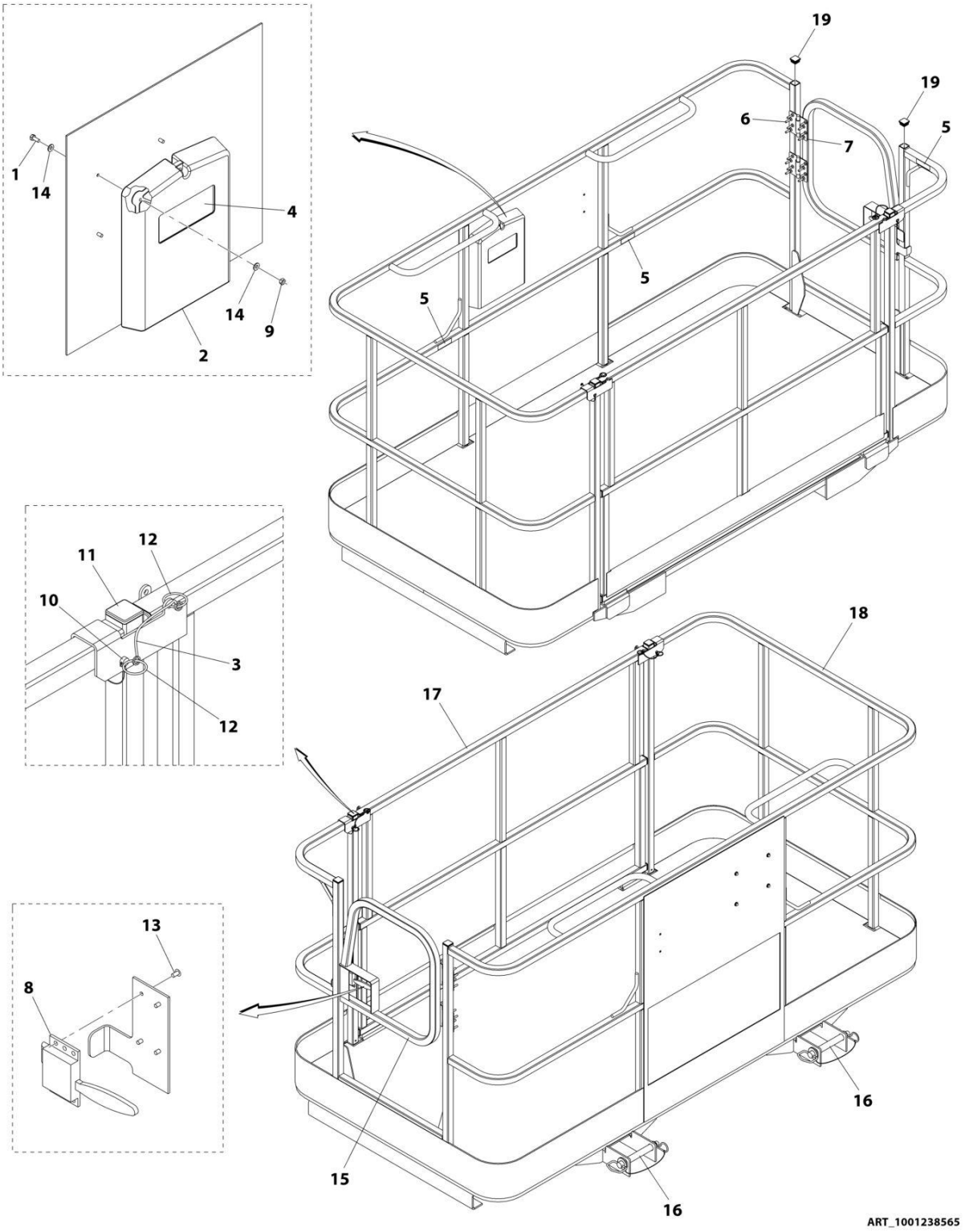


FIGURE 3-10. BASKET ASSEMBLY - FORK MOUNTED

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 3-11. BOOM - TRUSS (3.6TON FORK MOUNTED)

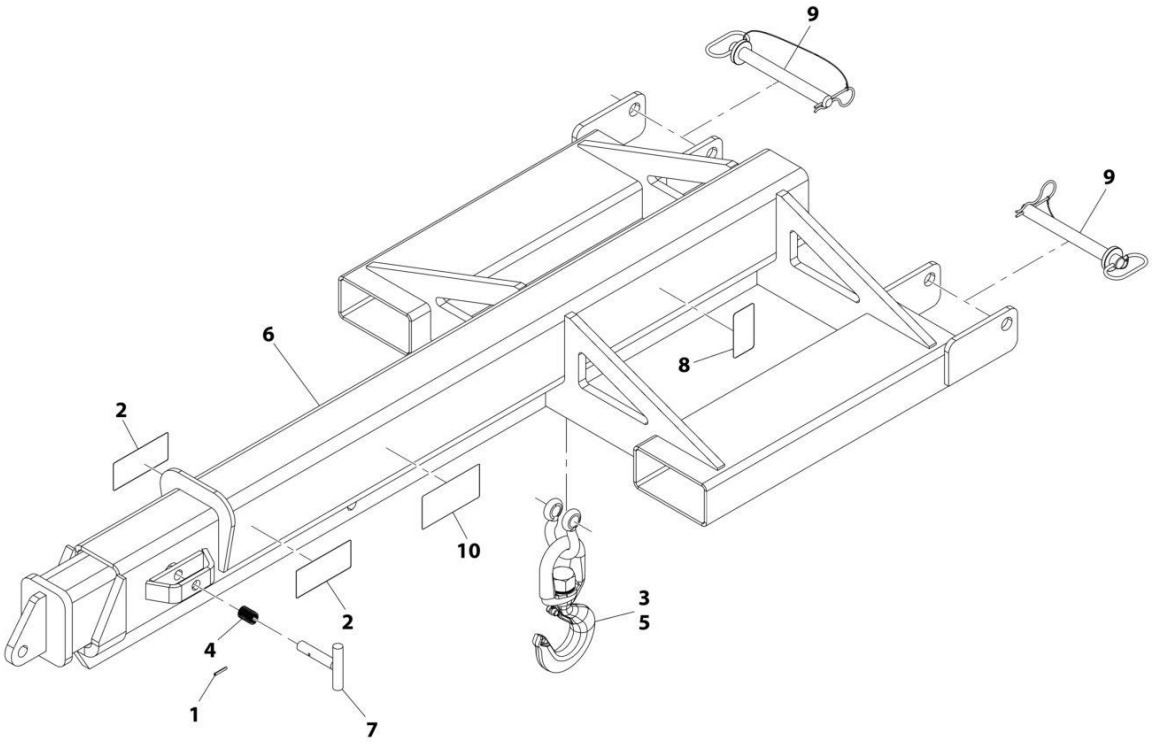


FIGURE 3-11. BOOM - TRUSS (3.6TON FORK MOUNTED)

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

FIGURE 3-12. BOOM - TRUSS (7.6 TON)

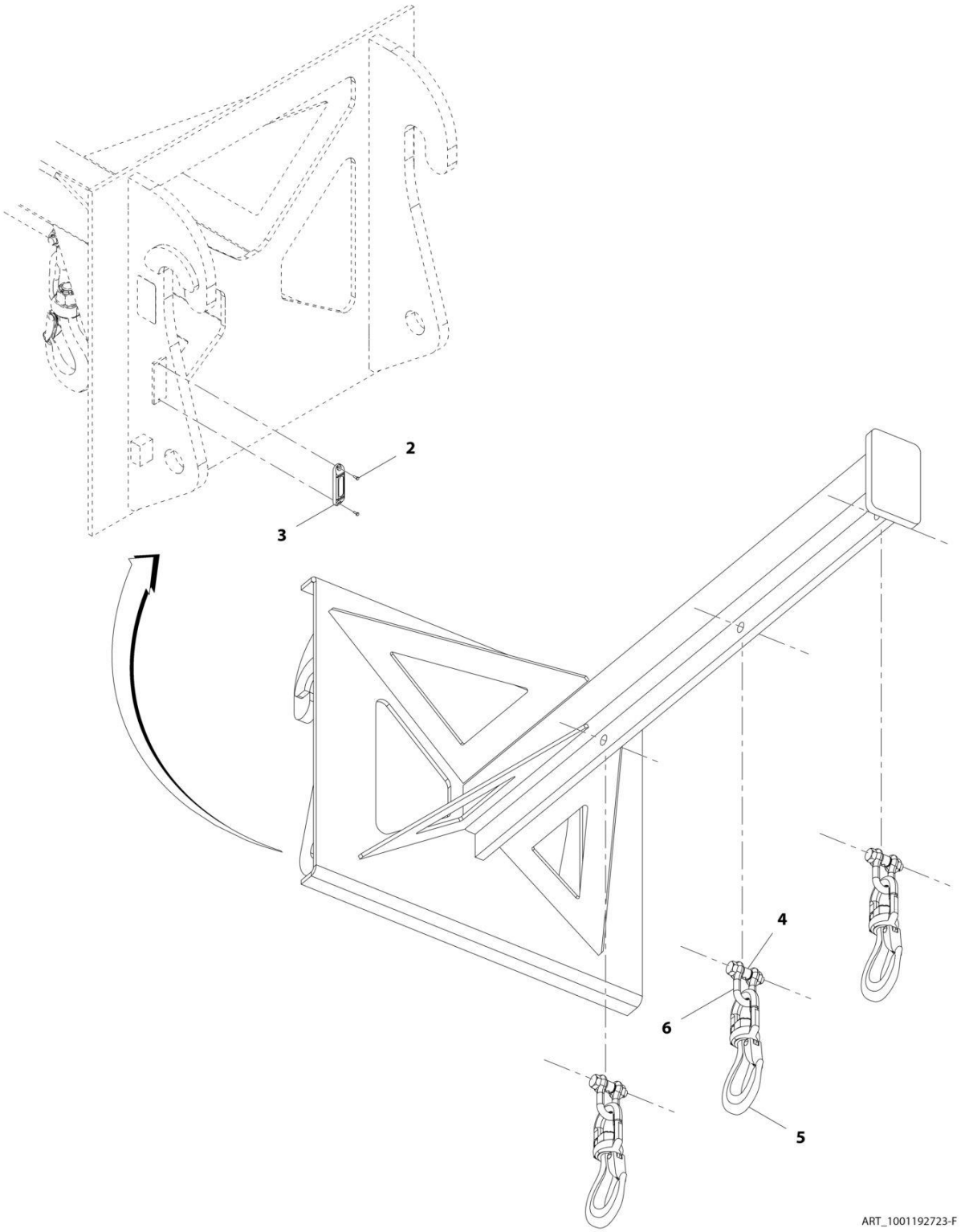
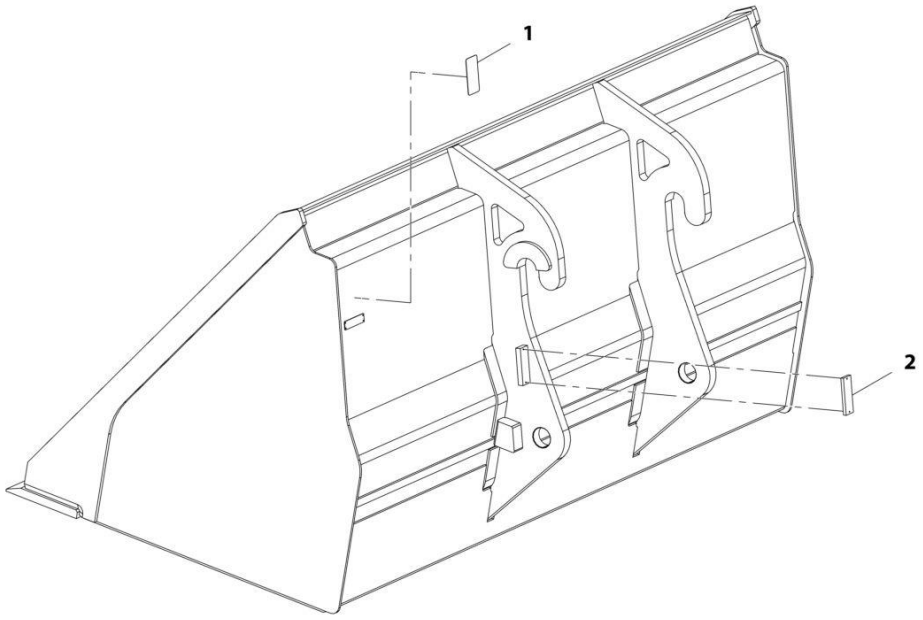


FIGURE 3-12. BOOM - TRUSS (7.6 TON)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192723	1	Truss Boom (7.6 ton)	G
2	70028554	2	Screw	
3	1001227670	1	Tag, RFID	
4	70020555	3	Bushing	
5	70026745	3	Hook	
6	70026746	3	Shackle, Chain	

FIGURE 3-13. BUCKET (2.6 YD³/2.0M³)

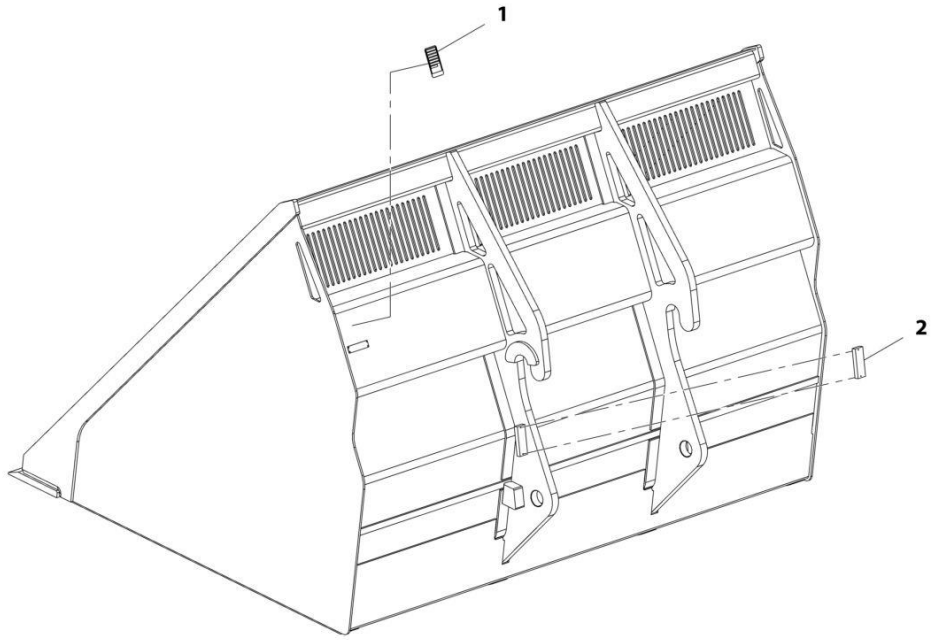


ART_1001192615-F

FIGURE 3-13. BUCKET (2.6 YD³/2.0M³)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192615	Ref	Bucket (2.6 yd³/2.0m³)	G
1	N.S.S.	1	S/N Plate	
2	1001227670	1	Tag, RFID	

FIGURE 3-14. BUCKET (5.23 YD³)



ART_1001192616-E

FIGURE 3-14. BUCKET (5.23 YD³)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192616	Ref	Bucket (5.23 yd³/4.0m³)	F
1	N.S.S.	1	S/N Plate	
2	1001227670	1	Tag, RFID	

FIGURE 3-15. BUCKET - 4 IN 1 (2.6 YD³/2.0M³)

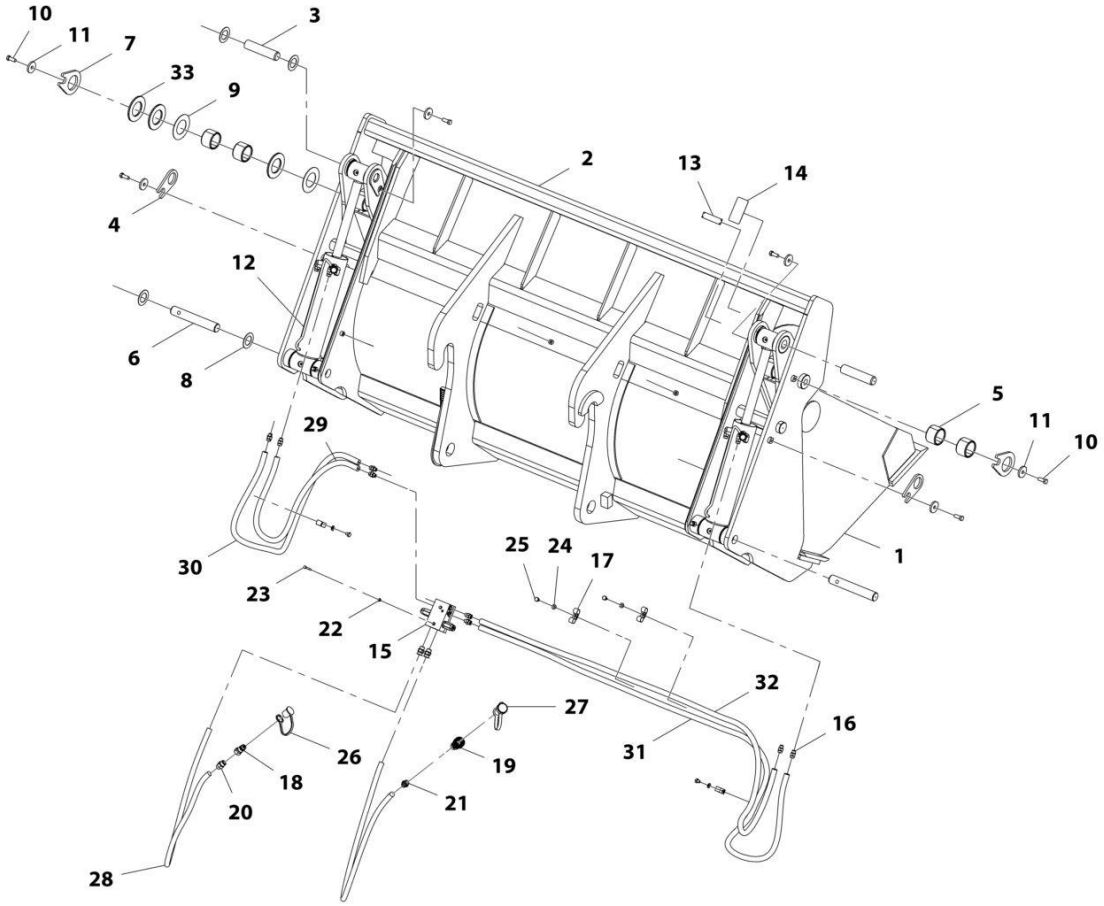


FIGURE 3-15. BUCKET - 4 IN 1 (2.6 YD³/2.0M³)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192614	Ref	4 in 1 Bucket (2.6 yd³/2.0m³)	F
1	N.S.S.	1	Assembly, Scarifier	
2	N.S.S.	1	Assembly, Bucket	
3	70028563	2	Pin	
4	70028564	2	Pin	
5	70028565	4	Bushing	
6	70028566	2	Pin	
7	70028567	2	Pin	
8	70028568	8	Shim	
9	70028569	6	Shim	
10	70028570	6	Capscrew	
11	70028571	6	Washer	
12	70028572	2	Cylinder, 4 in 1 Bucket (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
13	N.S.S.	1	Plate, Serial Number	
14	N.S.S.	1	Plate, Serial Number JLG	
15	70028573	1	Valve Assembly, 4 in 1 Bucket (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
16	70024130	8	Fitting	
17	70026481	8	Clamp	
18	1001101041	1	Adapter, Male Quick Disconnect	
19	1001101042	1	Adapter, Female Quick Disconnect	
20	70022938	2	Fitting, Straight	
21	70028263	2	Fitting, Straight	
22	70026480	2	Fitting, Straight	
23	70026479	2	Bolt, M6X50	
24	70026482	4	Washer, M10	
25	70026483	4	Bolt, M10X16	
26	8420055	1	Cap, Dust	
27	8420053	1	Cap, Dust	
28	70028744	1	Hose	
29	70028745	1	Hose	
30	70028746	1	Hose	
31	70028747	1	Hose	
32	70028748	1	Hose	
33	70028574	12	Shim	

FIGURE 3-16. BUCKET - 4 IN 1 (1.3 YD³/1.0M³)

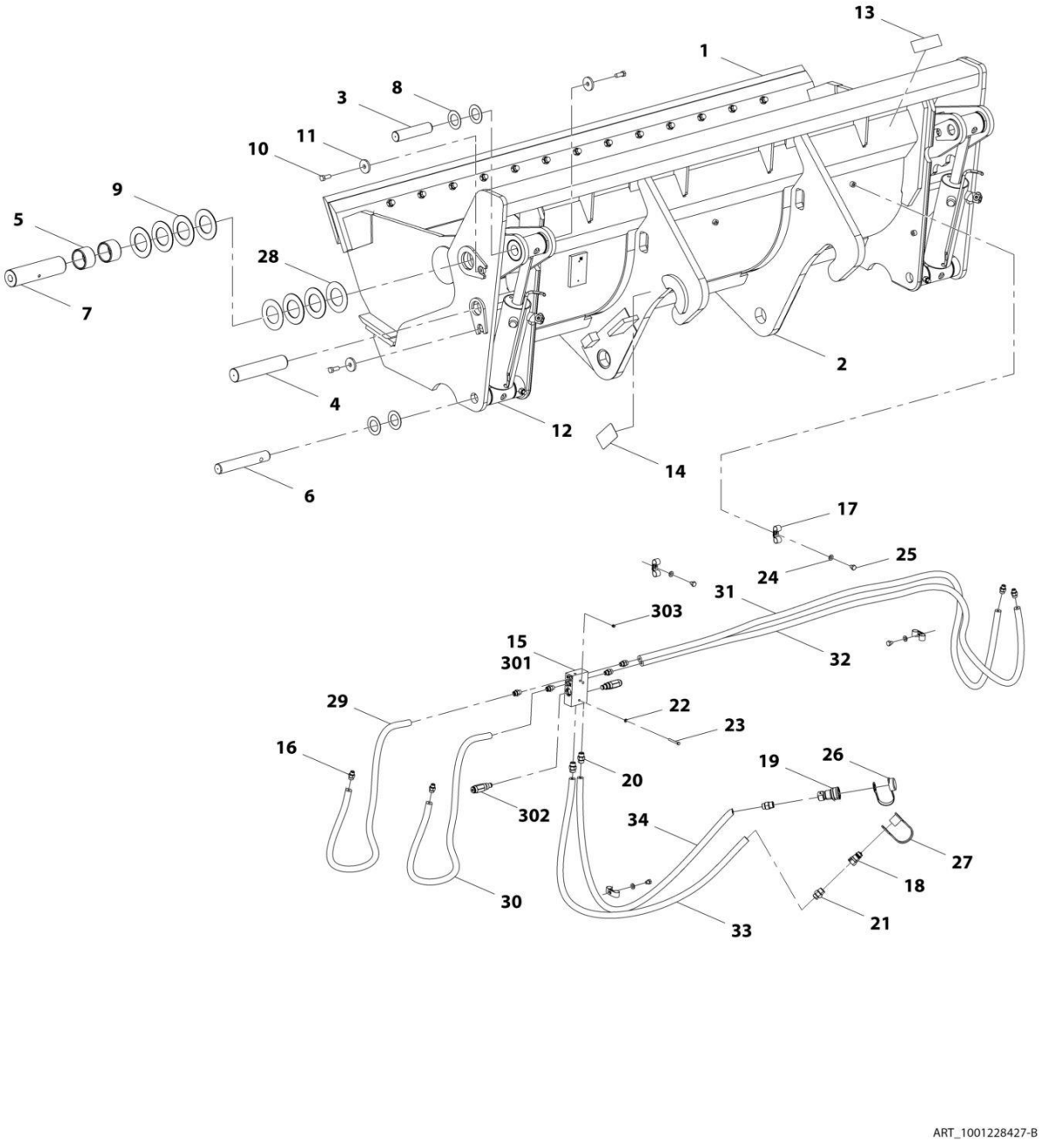


FIGURE 3-16. BUCKET - 4 IN 1 (1.3 YD³/1.0M³)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228427	Ref	4 in 1 Bucket (1.3 yd³/1.0m³)	C
1	N.S.S.	1	Assembly, Front Bucket	
2	N.S.S.	1	Assembly, Back Bucket	
3	70028563	2	Pin	
4	70028564	2	Pin	
5	70028565	4	Bushing	
6	70028566	2	Pin	
7	70028567	2	Pin	
8	70028568	8	Shim	
9	70028569	6	Shim	
10	70028570	6	Capscrew	
11	70028571	6	Washer	
12	70028572	2	Assembly, 4 In 1Bucket Cylinder (5.23 yd³/4.0m³) (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
13	N.S.S.	1	Plate, Name	
14	N.S.S.	1	Plate, Serial Number	
15	70028573	1	Assembly, 4 In 1 Bucket Valve (5.23 yd³/4.0m³)	
16	70024130	8	Fitting, Straight	
17	70026481	8	Clamp, Hose	
18	1001101041	1	Adapter, Male Quick Disconnect	
19	1001101042	1	Adapter, Female Quick Disconnect	
20	70022938	2	Fitting, Straight	
21	70028263	2	Fitting, Straight	
22	70026480	2	Washer, M6	
23	70026479	2	Bolt, M6X50	
24	70026482	4	Washer, M10	
25	70026483	4	Bolt, M10X16	
26	8420055	1	Plug, Dust	
27	8420053	1	Plug, Cap	
28	70028574	12	Shim	
29	70028575	1	Hose	
30	70028576	1	Hose	
31	70028577	1	Hose	
32	70028578	1	Hose	
33	70028579	1	Hose	
34	70028580	1	Hose	
301	70026477	1	Manifold	
302	70028589	2	Cartridge, Relief	
303	70026614	2	Plug	

FIGURE 3-17. BUCKET - GRAPPLE (1.7 YD³/1.3M³)

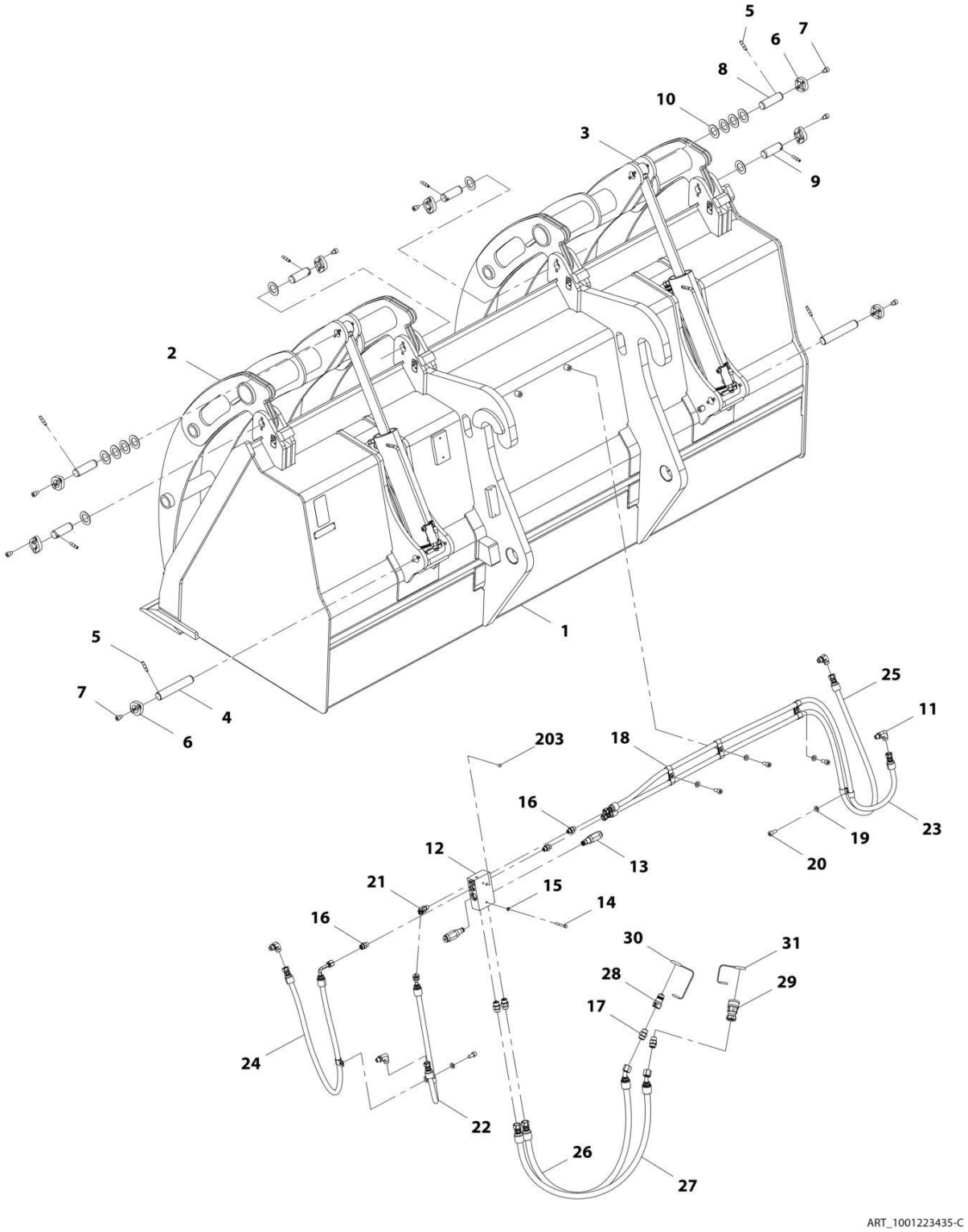


FIGURE 3-17. BUCKET - GRAPPLE (1.7 YD³/1.3M³)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223435	Ref	Grapple Bucket (1.7 yd³/1.3m³)	D
1	N.S.S.	1	Bucket	
2	N.S.S.	1	Grapple	
3	70026469	2	Assembly, Cylinder, (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
4	70026470	2	Pin	
5	70026471	8	Pin Drive - Lock	
6	70026472	8	Retainer	
7	70026473	16	Capscrew, M10X12	
8	70026474	2	Pin	
9	70026475	4	Pin	
10	70026476	32	Shim	
11	70024123	4	Fitting, 90	
12	70026477	1	Manifold	
13	70026478	2	Cartridge, Relief Valve	
14	70026479	2	Bolt, M6X50	
15	70026480	2	Washer, M6	
16	70024130	3	Fitting, Straight	
17	70022938	4	Fitting, Straight	
18	70026481	10	Clamp, Hose	
19	70026482	5	Washer, M10	
20	70028672	5	Bolt, M10X20	
21	70026616	1	Fitting, 45	
22	70028749	1	Hose	
23	70028750	1	Hose	
24	70028751	1	Hose	
25	70028752	1	Hose	
26	70028753	1	Hose	
27	70028697	1	Hose	
28	1001101041	1	Adapter, Male Quick Disconnect	
29	1001101042	1	Adapter, Female Quick Disconnect	
30	8420053	1	Cap, Dust	
31	8420055	1	Plug, Dust	
203	70026614	2	Plug	

FIGURE 3-18. BUCKET - GRAPPLE (2.6 YD³/2.0M³)

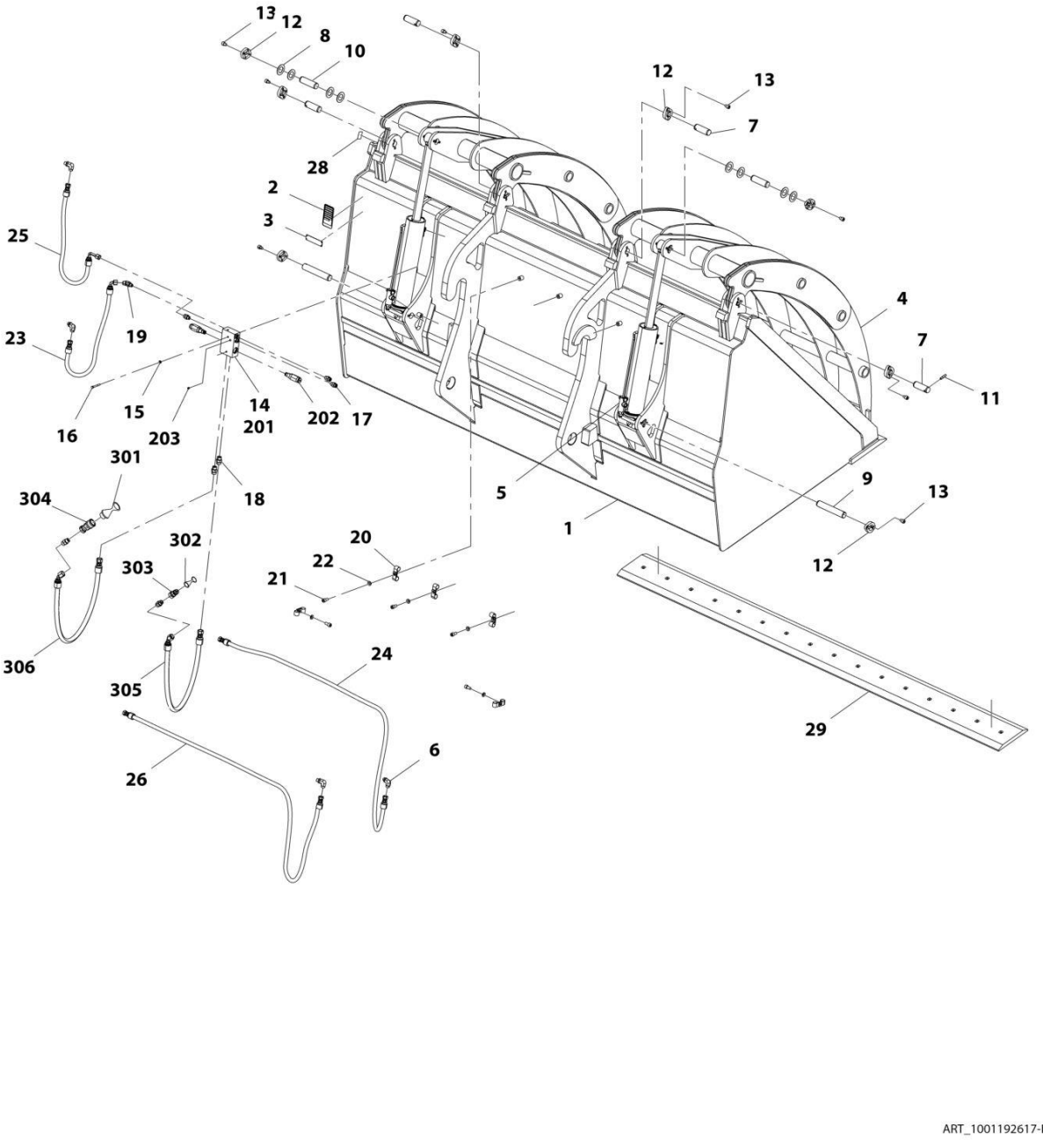


FIGURE 3-18. BUCKET - GRAPPLE (2.6 YD³/2.0M³)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192617	Ref	Grapple Bucket (2.6 yd³/2.0m³)	E
1	N.S.S.	1	Bucket	
2	N.S.S.	1	Plate, Serial Number	
3	N.S.S.	1	Nameplate	
4	N.S.S.	1	Grapple	
5	70026469	2	Assembly, Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
6	70024123	4	Fitting, 90	
7	70026475	4	Pin	
8	70026476	12	Shim	
9	70026470	2	Pin	
10	70026474	2	Pin	
11	70026471	8	Pin, Lock	
12	70026472	8	Retainer	
13	70026473	16	Capscrew, M10X12	
14	N.S.S.	1	Valve, Relief	
15	70026480	2	Washer, M6	
16	70026479	2	Bolt, M6X50	
17	70024130	3	Fitting, Straight	
18	70022938	4	Fitting, Straight	
19	70026616	1	Fitting, 45	
20	70026481	10	Clamp, Hose	
21	70028672	5	Bolt, M10X20	
22	70026482	5	Washer, M10	
23	70028738	1	Hose	
24	70028739	1	Hose	
25	70028740	1	Hose	
26	70028741	1	Hose	
28	70024538	8	Decal, Pinch Point	
29	70028742	1	Guard, Edge	
201	70026477	1	Manifold	
202	70026478	2	Cartridge, Relief Valve	
203	70026614	2	Plug	
301	8420055	1	Plug, Dust	
302	8420053	1	Cap, Dust	
303	1001101041	1	Coupler, Male Hydraulic	
304	1001101042	1	Coupler, Female Hydraulic	
305	70028743	1	Hose	
306	70028734	1	Hose	

FIGURE 3-19. BUCKET - FORK MOUNTED (1.0M³)

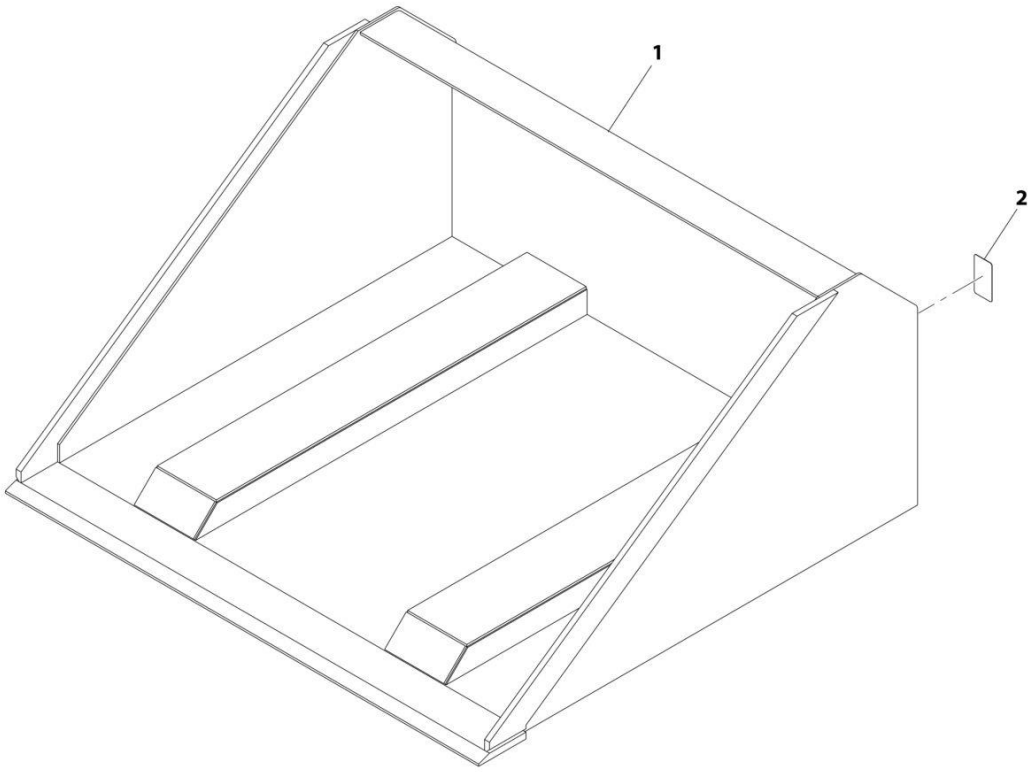


FIGURE 3-19. BUCKET - FORK MOUNTED (1.0M³)

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

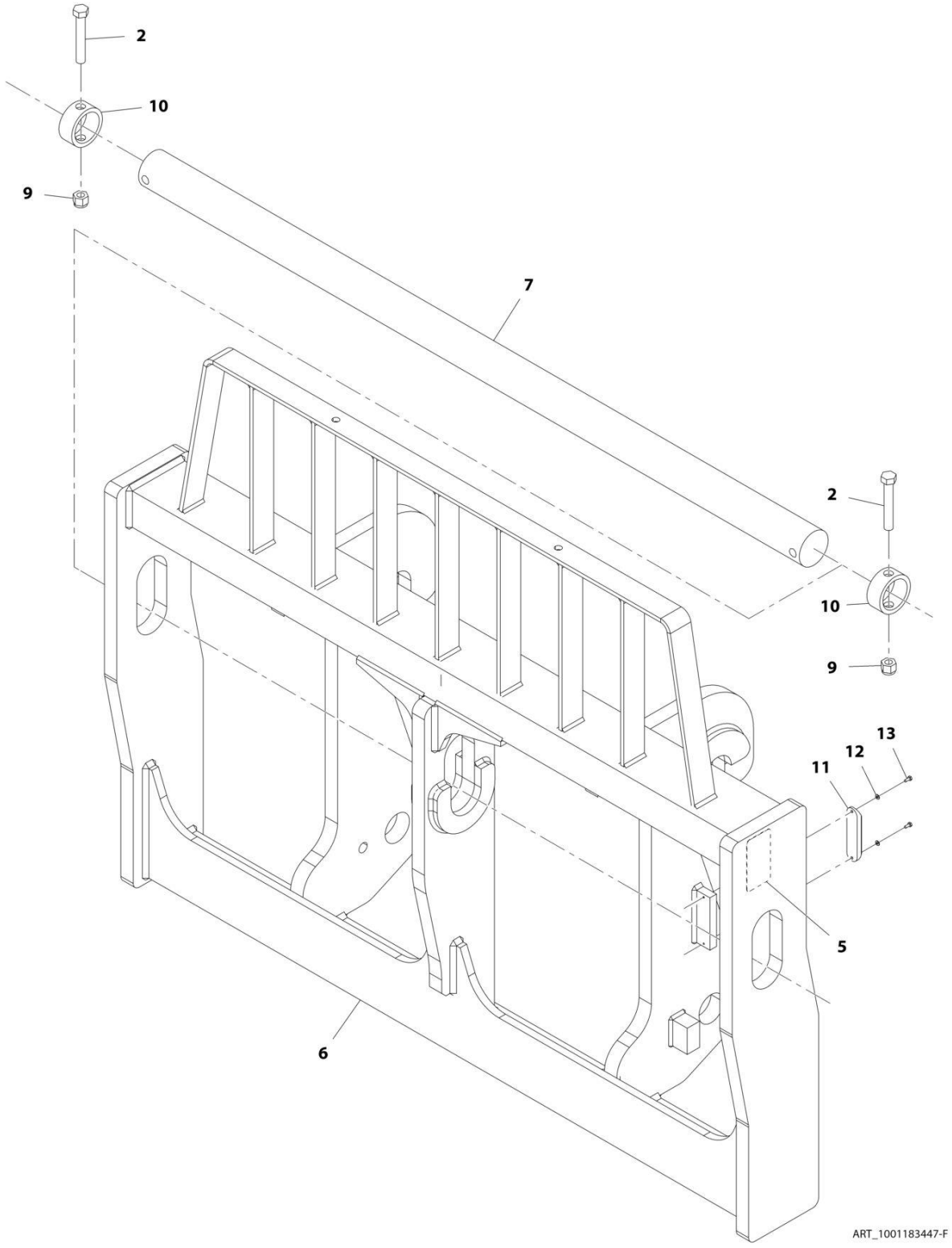


FIGURE 3-20. CARRIAGE ASSEMBLY (60IN/1524MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183447	1	Carriage Assembly (60in/1524mm)	F
2	0701628	2	Bolt, M16X110	
5	N.S.S.	1	S/N Plate	
6	N.S.S.	1	Weldment, Carriage	
7	1001191108	1	Pin	
9	3291605	2	Nut, Lock M16X2 Grade 8	
10	1001218755	2	Collar, Shaft	
11	1001227670	1	Tag, RFID	
12	4811400	2	Washer, M4	
13	0760405	2	Bolt, M4X10	

FIGURE 3-21. CARRIAGE ASSEMBLY (72IN/1829MM)

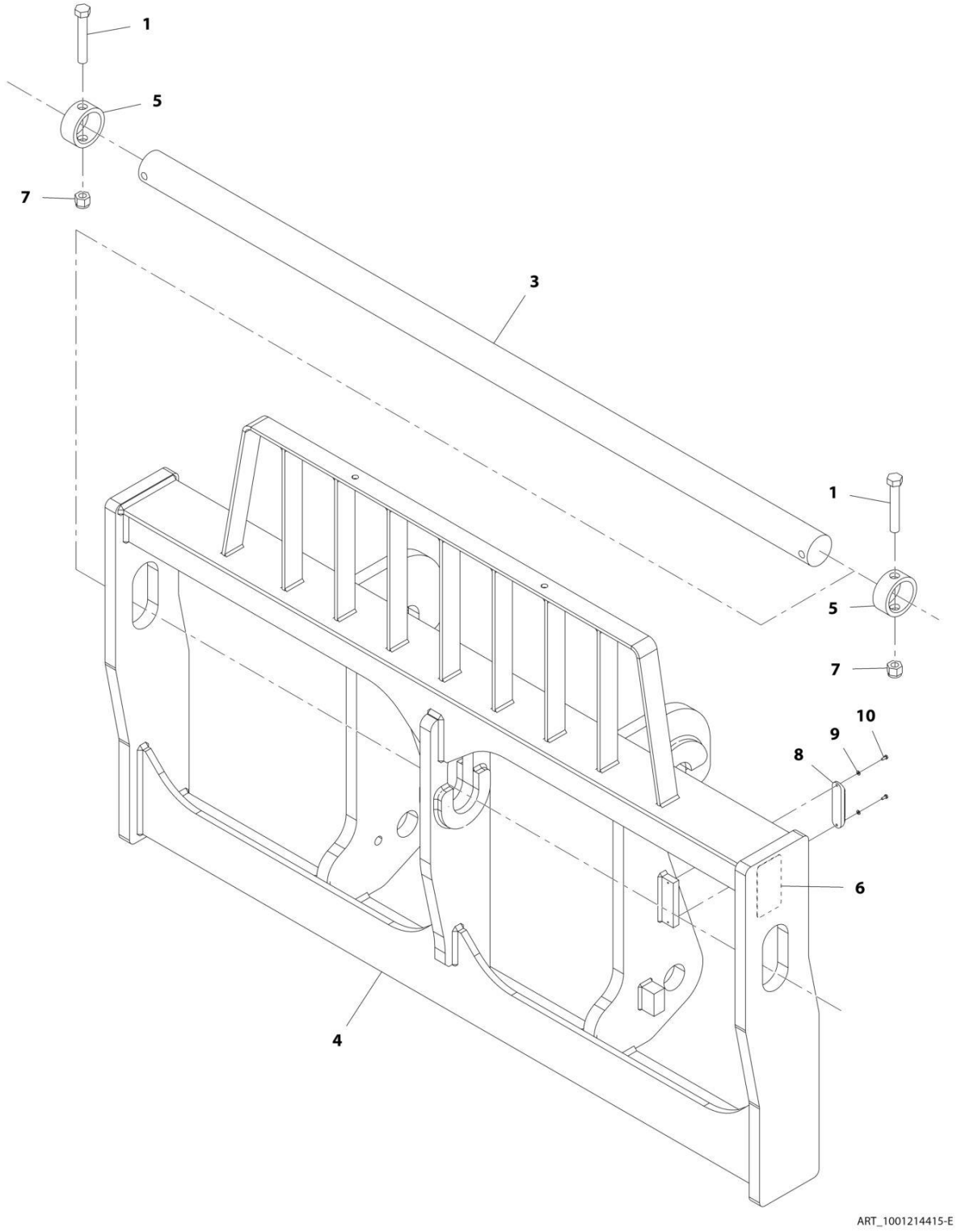


FIGURE 3-21. CARRIAGE ASSEMBLY (72IN/1829MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214415	Ref	Carriage Assembly (72in/1829mm)	E
1	0701628	2	Bolt, M16X110	
3	1001214254	1	Pin	
4	N.S.S.	1	Weldment, Carriage	
5	1001218755	2	Collar, Shaft	
6	N.S.S.	1	Plate, Serial Number	
7	3291605	2	Nut, Lock M16X2 Grade 8	
8	1001227670	1	Tag, RFID	
9	4811400	2	Washer, M4	
10	0760405	2	Bolt, M4X10	

FIGURE 3-22. CARRIAGE ASSEMBLY (87IN/2290MM)

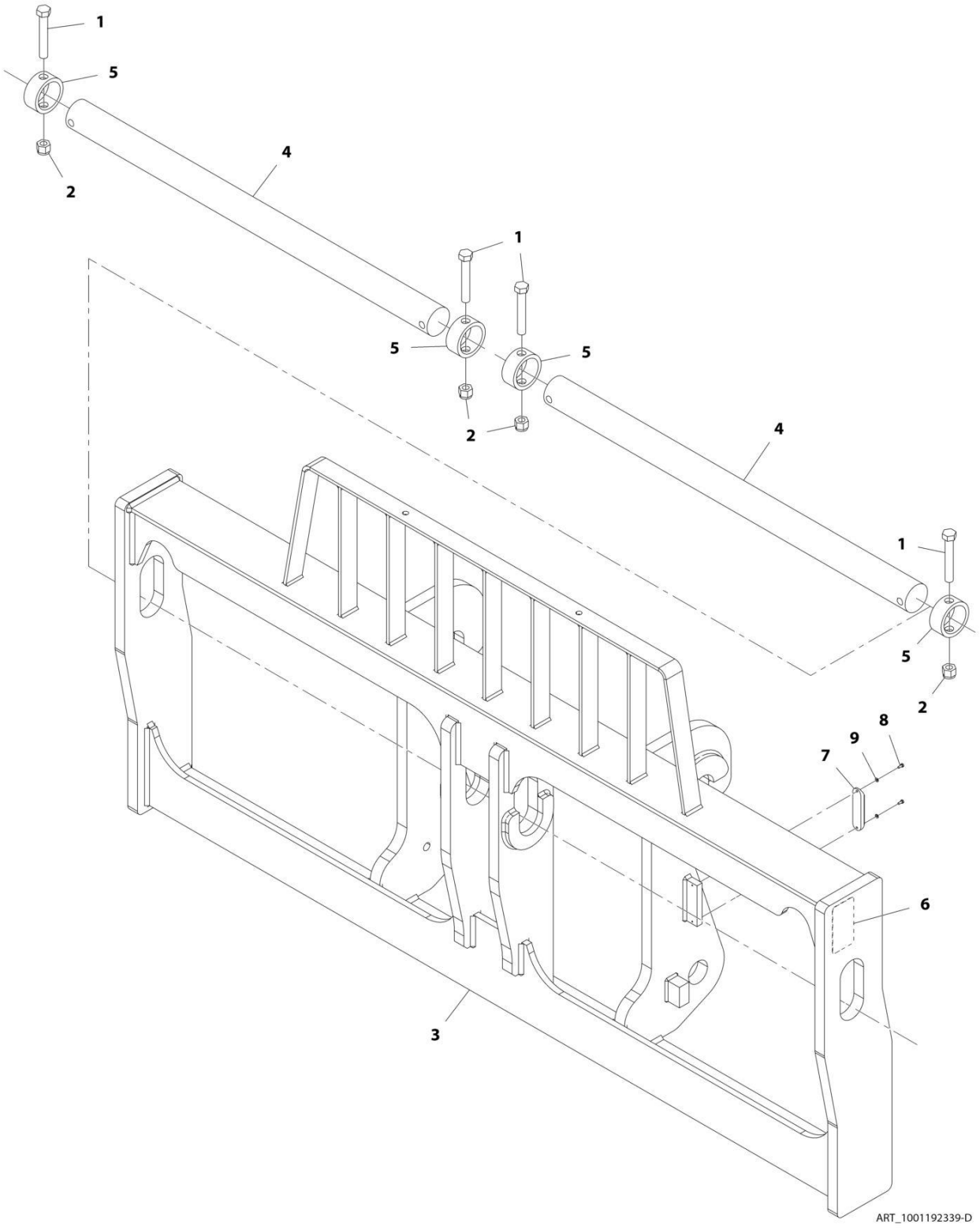


FIGURE 3-22. CARRIAGE ASSEMBLY (87IN/2290MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192339	1	Carriage Assembly (87in/2290mm)	D
1	0701628	4	Bolt, M16X110	
2	3291605	4	Nut, Lock M16X2 Grade 8	
3	N.S.S.	1	Weldment, Carriage	
4	1001218754	2	Pin	
5	1001218755	4	Collar, Shaft	
6	N.S.S.	1	Plate, Serial Number	
7	1001227670	1	Tag, RFID	
8	0760405	2	Bolt, M4X10	
9	4811400	2	Washer, M4	

FIGURE 3-23. CARRIAGE ASSEMBLY - DUAL FORK POSITIONING CARRIAGE (72IN/1829MM)

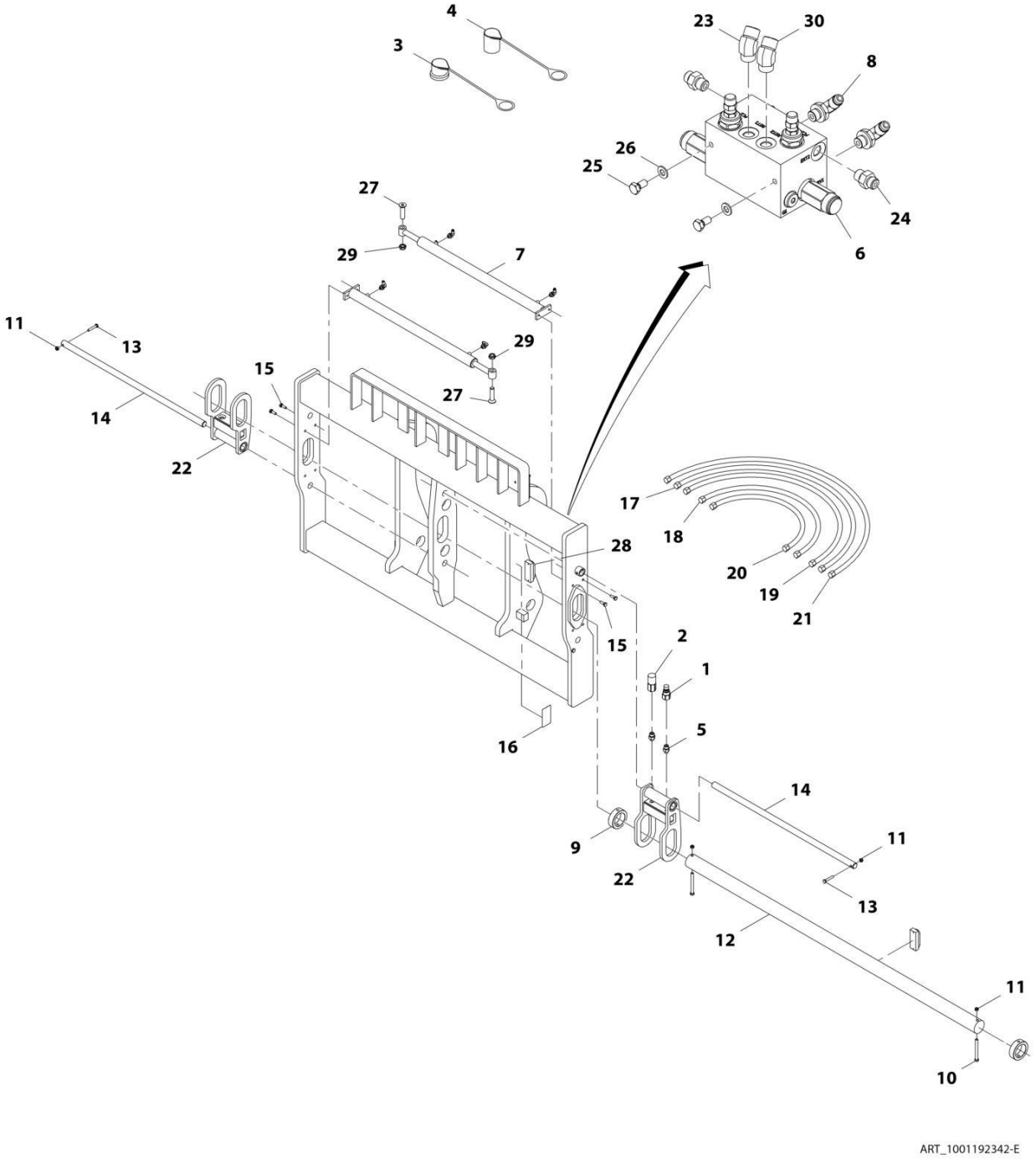


FIGURE 3-23. CARRIAGE ASSEMBLY - DUAL FORK POSITIONING CARRIAGE (72IN/1829MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192342	1	Dual Fork Positioning Carriage (72in/1829mm)	E
1	1001101041	1	Coupler, Male Hydraulic	
2	1001101042	1	Coupler, Female Hydraulic	
3	8420053	1	Cap	
4	8420055	1	Cap	
5	1001008834	2	Fitting, Straight	
6	70027896	1	Valve	
7	70028505	2	Cylinder, Forkpositioner	
8	2150606	4	Fitting, 45 ORFS	
9	70028506	2	Collar	
10	70027889	2	Bolt, M10x120	
11	70027890	4	Nut M10	
12	70028507	1	Shaft, Floating	
13	70027881	2	Bolt, M10x55	
14	70028508	2	Shaft, Forkpositioner	
15	70027880	4	Bolt, M10x30	
16	N.S.S.	1	S/N Plate	
17	70028509	1	Hose	
18	70028510	1	Hose	
19	70028511	1	Hose	
20	70028512	1	Hose	
21	70027899	2	Hose	
22	70028513	2	Cage, Fork	
23	2150606	1	Fitting, 45 ORFS	
24	2110606	2	Fitting, Straight ORFS	
25	70027882	2	Bolt, M8X16	
26	70027879	2	Washer	
27	70027888	3	Screw, Countersunk M20x80	
28	1001227670	1	Tag, RFID	
29	70027887	2	Nut, M20	
30	2170206	1	Fitting, 90 ORFS	

FIGURE 3-24. CARRIAGE ASSEMBLY - DUAL FORK POSITIONING SIDE SHIFT CARRIAGE (75IN/1899MM)

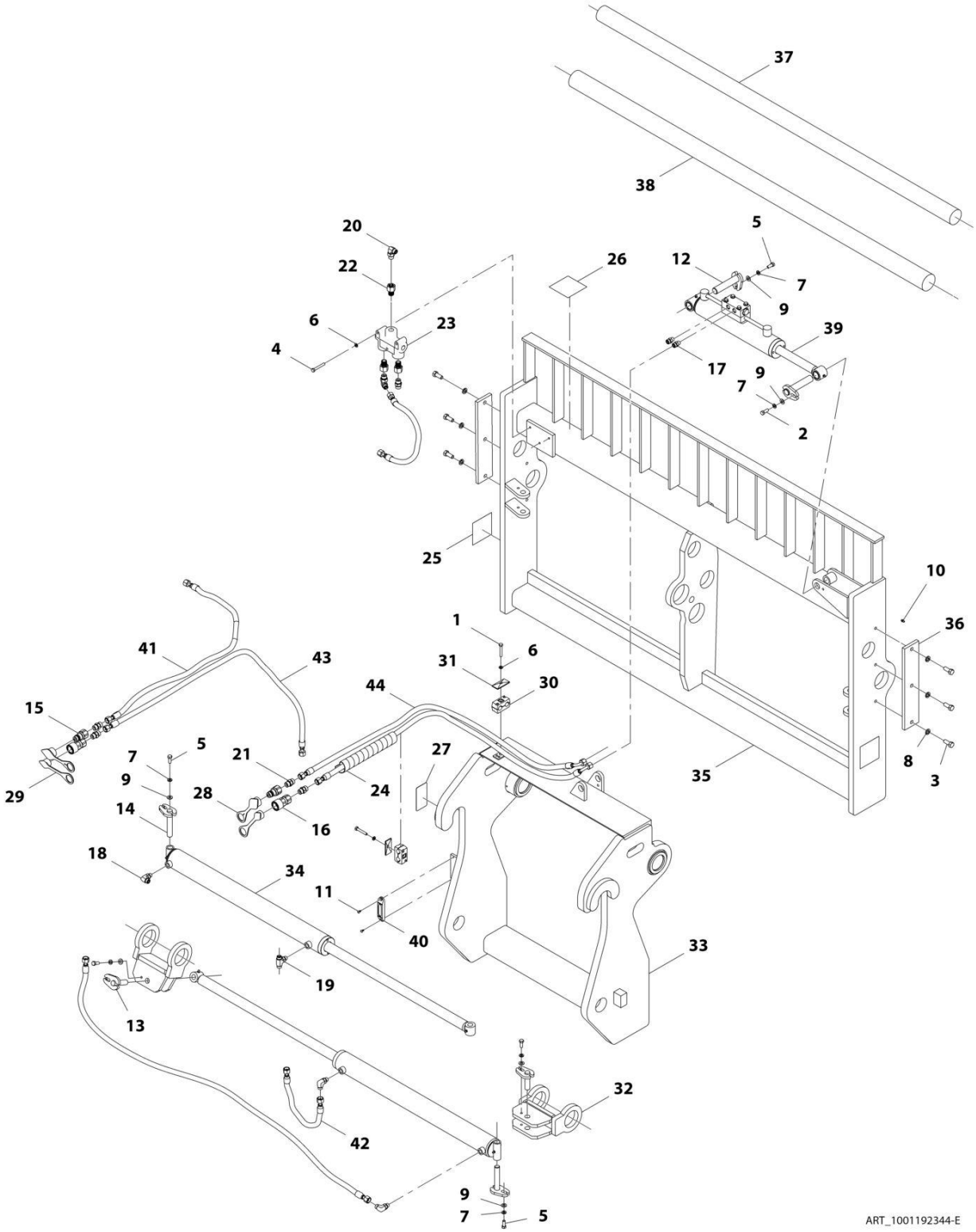


FIGURE 3-24. CARRIAGE ASSEMBLY - DUAL FORK POSITIONING SIDE SHIFT CARRIAGE (75IN/1899MM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192344	1	Dual Fork Positioning Side Shift Carriage (75in/1899mm)	F
1	70028485	2	Bolt	
2	70021349	1	Bolt, 3/8X1	
3	70027989	6	Bolt	
4	70028591	3	Bolt	
5	7029704	5	Bolt, 3/8-24X1	
6	90554067	5	Washer, Lock 5/16	
7	90554042	6	Washer, Lock 3/8	
8	90554020	6	Washer, Lock 1/2	
9	7029703	6	Washer, Flat	
10	90554045	1	Zerk, Grease	
11	70028554	2	Screw	
12	7029702	2	Pin	
13	70028592	2	Pin	
14	70028593	2	Pin	
15	1001101041	2	Adapter, Male Quick Disconnect	
16	1001101042	2	Adapter, Female Quick Disconnect	
17	70028486	2	Fitting	
18	70028525	3	Elbow, 90	
19	70028594	1	Fitting	
20	70028526	2	Elbow, 90	
21	70028488	5	Fitting	
22	70028595	3	Fitting	
23	70028596	1	Valve	
24	70028597	1	Protector, Hose	
25	90554017	2	Decal, Danger Pinch Point	
26	7029711	1	Decal, High Pressure	
27	N.S.S.	1	S/N Plate	
28	8420053	2	Plug, Dust	
29	8420055	2	Plug, Dust	
30	70028495	2	Clamp	
31	70028496	2	Plate, Clamp	
32	70028598	2	Clevis	
33	N.S.S.	1	Weldment	
34	70028599	2	Assembly, Fork Positioning Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
35	N.S.S.	1	Weldment	
36	70028600	2	Pin	
37	70028601	1	Pin	
38	70028602	1	Pin	
39	70028603	1	Assembly, Side Shift Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
40	1001227670	1	Tag, RFID	
41	70028604	2	Hose	
42	70028605	2	Hose	
43	70028606	1	Hose	
44	70028607	2	Hose	

FIGURE 3-25. CARRIAGE ASSEMBLY - LOG HANDLER CARRIAGE

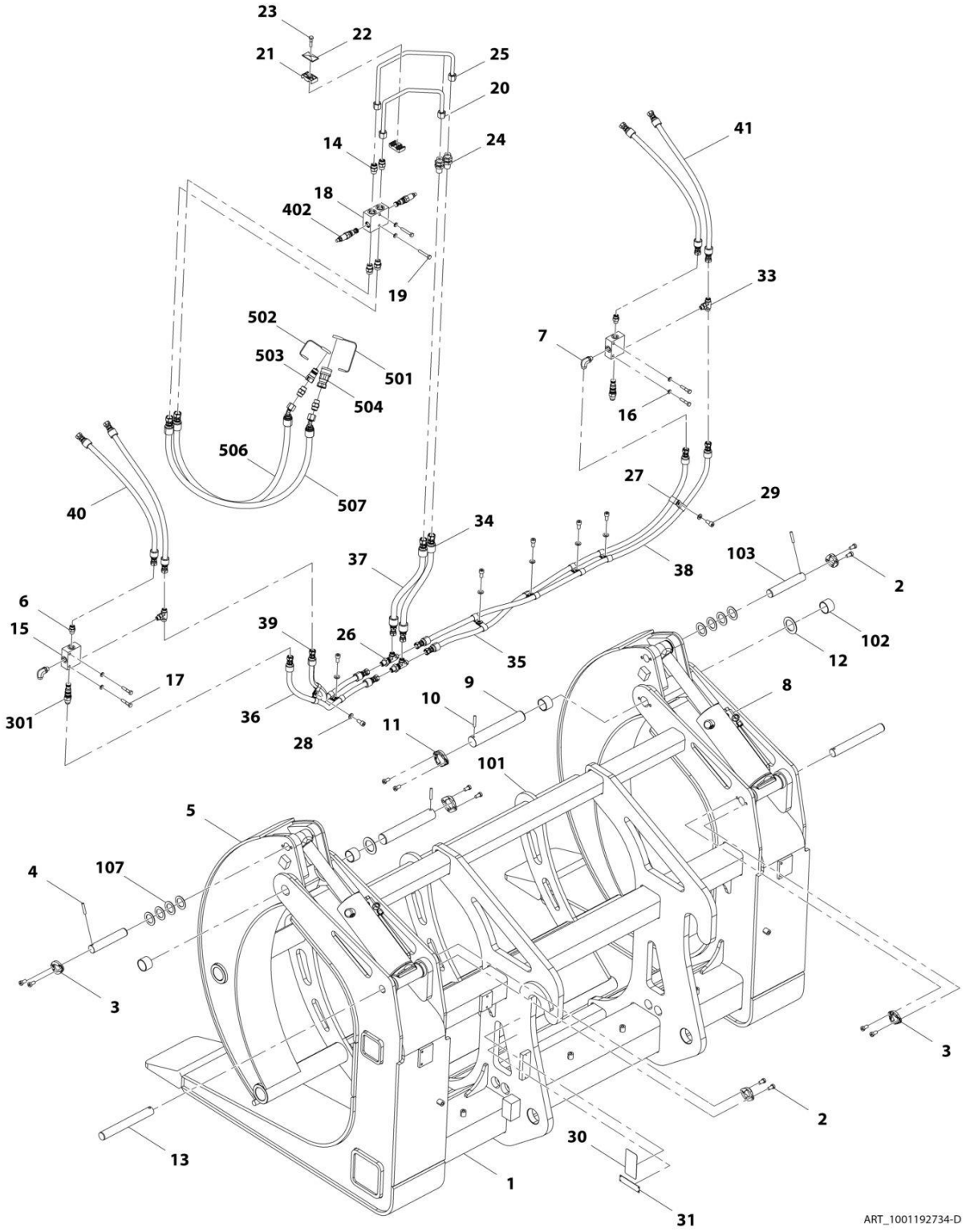


FIGURE 3-25. CARRIAGE ASSEMBLY - LOG HANDLER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192734	Ref	Log Handler Carriage	E
1	N.S.S.	1	Frame	
2	70028701	8	Capscrew, M10X20	
3	70028702	2	Retainer	
4	70028703	4	Pin	
5	N.S.S.	1	Grapple	
6	70024130	2	Fitting, Straight	
7	70024123	2	Fitting, 90	
8	70028704	2	Assembly, Log Handler Carriage Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
9	70028705	2	Pin	
10	70028706	2	Pin	
11	70028707	2	Retainer	
12	70028708	2	Shim	
13	70028709	2	Pin	
14	70022938	4	Fitting, Straight	
15	N.S.S.	2	Valve	
16	70024721	6	Washer, M8	
17	70028710	4	Capscrew	
18	N.S.S.	1	Valve, Relief	
19	70028711	2	Capscrew	
20	70028712	1	Pipe	
21	70028687	1	Clamp	
22	70028688	1	Plate, Cover	
23	70028689	1	Bolt, M8X35	
24	70028713	2	Fitting, Straight	
25	70028714	1	Pipe	
26	70028267	2	Fitting, Tee	
27	70026481	14	Clamp, Hose	
28	70026482	7	Washer, M10	
29	70028672	7	Bolt, M10X20	
30	N.S.S.	1	Plate, Serial Number	
31	N.S.S.	1	Plate, Name	
33	70028715	2	Fitting, Tee	
34	70028716	1	Hose	
35	70028717	1	Hose	
36	70028718	1	Hose	
37	70028719	1	Hose	
38	70028720	1	Hose	
39	70028721	1	Hose	
40	70028722	2	Hose	
41	70028723	2	Hose	
101	70028724	1	Arm	
102	70028725	4	Bearing	
103	70028726	2	Pin	
107	70028727	8	Shim	
301	70026504	2	Valve, Counterbalance	
402	70024772	2	Valve, Relief	
501	8420055	1	Plug, Dust	
502	8420053	1	Plug, Cap	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
503	1001101041	1	Adapter, Male Quick Disconnect	
504	1001101042	1	Adapter, Female Quick Disconnect	
506	70028734	1	Hose	
507	70028697	1	Hose	

FIGURE 3-26. CARRIAGE ASSEMBLY - PIPE HANDLER CARRIAGE

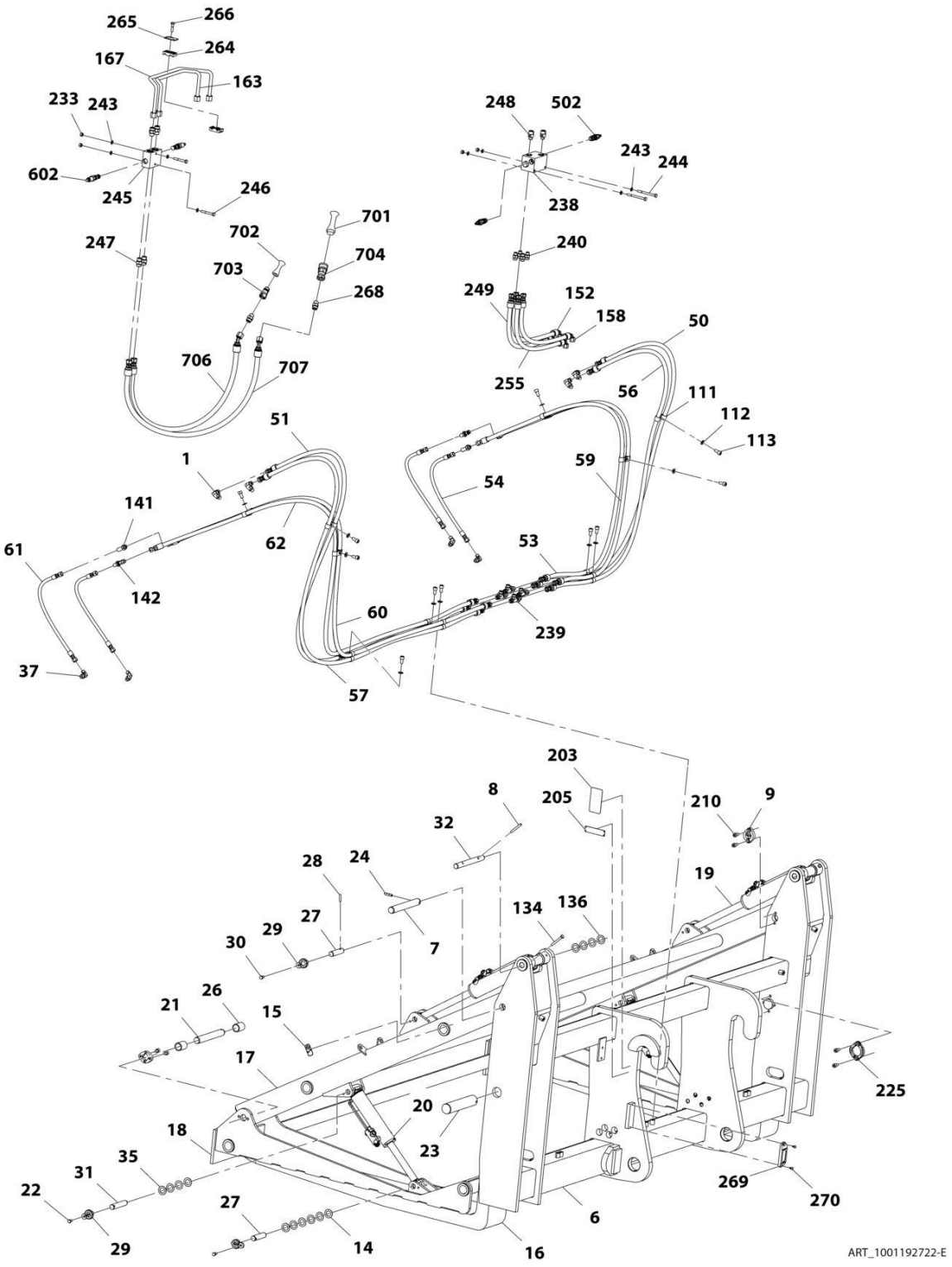


FIGURE 3-26. CARRIAGE ASSEMBLY - PIPE HANDLER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192722	Ref	Pipe Handler Carriage	F
1	70024123	4	Adapter, 90 (includes o-ring)	
6	N.S.S.	1	Carriage	
7	70028648	2	Pin	
8	70026471	4	Pin	
9	70026472	4	Retainer	
14	70026476	12	Shim	
15	70024538	2	Decal, Pinch Point	
16	70028649	2	Fork	
17	70028650	1	Arm	
18	70028651	1	Pad, Contact	
19	70028652	1	Assembly, Upper Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
20	70028653	1	Assembly, Lower Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
21	70028654	2	Pin	
22	70026473	4	Capscrew, M10X12	
23	70028655	2	Pin	
24	70028405	2	Pin	
26	70026501	8	Bushing	
27	70028656	4	Pin	
28	70028253	6	Pin	
29	70028262	6	Retainer	
30	70028657	6	Bolt, M8X16	
31	70028658	2	Pin	
32	70028659	2	Pin	
35	70028660	8	Shim	
37	70028661	4	Fittin, 90	
50	70028662	1	Hose	
51	70028663	1	Hose	
53	70028664	1	Hose	
54	70028665	2	Hose	
56	70028666	1	Hose	
57	70028667	1	Hose	
59	70028668	1	Hose	
60	70028669	1	Hose	
61	70028670	2	Hose	
62	70028671	1	Hose	
111	70026481	24	Clamp, Hose	
112	70026482	12	Washer	
113	70028672	12	Bolt, M10X20	
134	70028406	2	Capscrew	
136	70028767	4	Shim	
141	70028768	2	Fitting, Straight	
142	70028673	2	Fitting, 45	
152	70028674	1	Hose	
158	70028675	1	Hose	
163	70028676	1	Pipe	
167	70028677	1	Pipe	
203	N.S.S.	1	Plate, Serial Number	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
205	N.S.S.	1	Plate, Name	
210	70028678	8	Bolt	
225	70028679	2	Retainer	
233	70028680	6	Nut, M8	
238	N.S.S.	1	Valve	
239	70028267	4	Fitting, Straight	
240	70024130	4	Fitting, Straight	
243	70024721	8	Washer, M8	
244	70028681	2	Bolt, M8X90	
245	N.S.S.	1	Valve, Relief	
246	70028682	2	Bolt, M8X60	
247	70028683	2	Fitting, Straight	
248	70028684	2	Fitting, Straight	
249	70028685	1	Hose	
255	70028686	1	Hose	
264	70028687	1	Clamp	
265	70028688	1	Cover	
266	70028689	1	Bolt, M8X35	
268	70022938	4	Fitting, Straight	
269	1001227670	1	Tag, RFID	
270	70028690	2	Bolt, M4X16	
501	N.S.S.	1	Valve, Relief	
502	70024772	2	Valve, Cartridge	
601	N.S.S.	1	Valve, Sequence	
602	70028695	2	Valve, Cartridge	
701	8420055	1	Plug, Dust	
702	8420053	1	Plug, Cap	
703	1001101041	1	Adapter, Male Quick Disconnect	
704	1001101042	1	Adapter, Female Quick Disconnect	
706	70028696	1	Hose	
707	70028697	1	Hose	

FIGURE 3-27. CARRIAGE ASSEMBLY - STEEL COIL HANDLER CARRIAGE

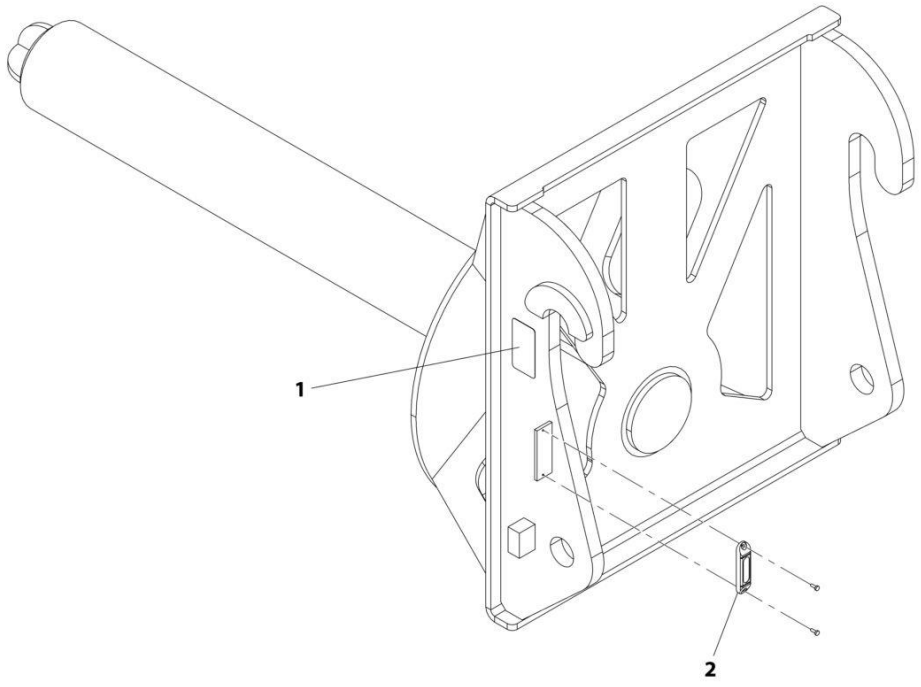


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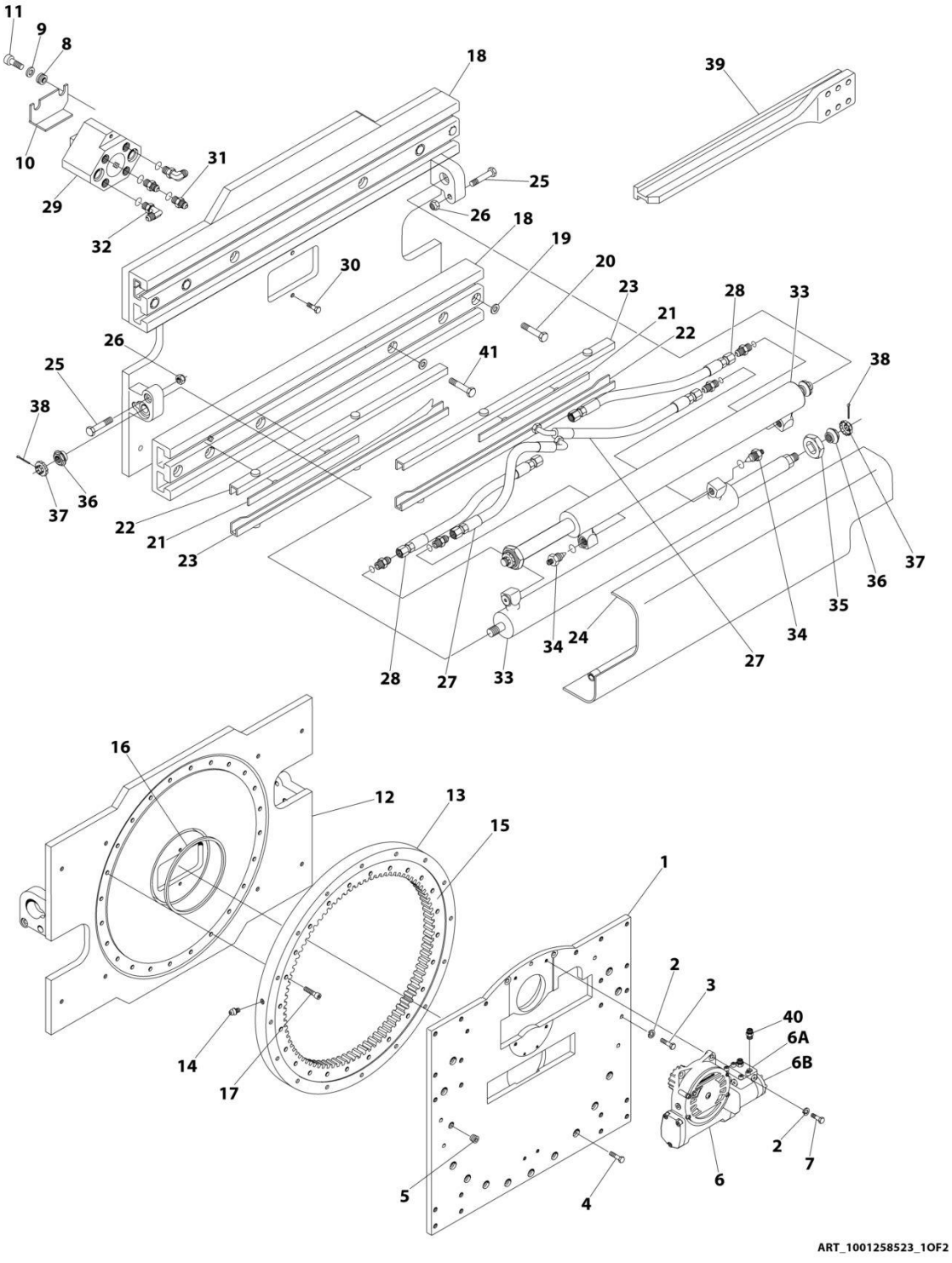
FIGURE 3-27. CARRIAGE ASSEMBLY - STEEL COIL HANDLER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192735	1	Steel Coil Handler Carriage	G
1	N.S.S.	1	Plate, Serial Number	
2	1001227670	1	Tag, RFID	

FIGURE 3-28. CARRIAGE ASSEMBLY - TIRE HANDLER



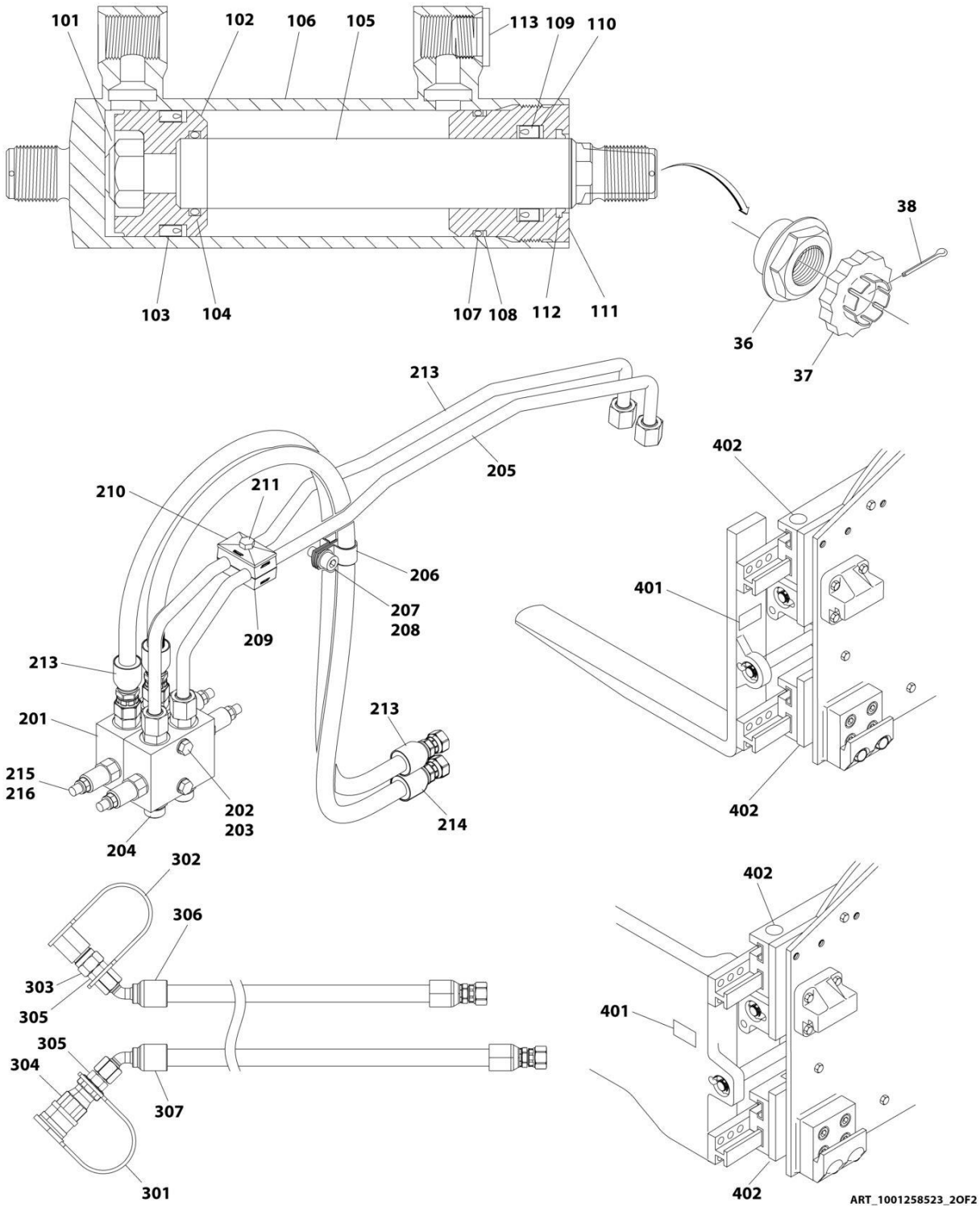

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FIGURE 3-28. CARRIAGE ASSEMBLY - TIRE HANDLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258523	Ref	TIRE HANDLER ASSEMBLY	C
		Ref	Base Unit Assembly	
1		Ref	Baseplate	
2		Ref	Lockwasher 1/2	
3		Ref	Capscrew 1/2 NC x 1-3/4 G8	
4		Ref	Capscrew 1/2 NC x 1-1/2 G8	
5		Ref	Pipe Plug	
6		Ref	Drive Assembly	
6A	70024731	1	Check Valve Assembly	
6A	70030105	2	Cartridge, Check Valve	
6A	70024734	2	Seal Kit - Check Valve	
6B	70028786	1	Drive Motor Assembly	
6B	70028114	1	Service Kit - Drive Motor	
7		Ref	Capscrew 1/2 NC x 1-1/4 G5	
8		Ref	Grommet	
9		Ref	Washer M10	
10		Ref	Bracket	
11		Ref	Shoulder Bolt	
12		Ref	Faceplate	
13		Ref	Bearing Assembly	
14		Ref	Grease Fitting	
15		Ref	Bearing Seal	
16		Ref	Felt Seal	
17		Ref	Capscrew 1/2 NC x 1-1/2 G8	
18		Ref	Frame	
19		Ref	Washer	
20		Ref	Capscrew M20 x 100	
21		Ref	Bearing	
22		Ref	Bearing	
23		Ref	Bearing	
24		Ref	Bumper	
25		Ref	Capscrew M12 x 80	
26		Ref	Nut M12	
27		Ref	Hose, 305 mm	
28		Ref	Hose, 525 mm	
29		Ref	Revolving Connection	
30		Ref	Capscrew M8 x 30	
31		Ref	Fitting, 8-6	
32		Ref	Fitting, 8-6	
33	70030106	2	Cylinder Assembly (See Items 101-117 for Breakdown)	
34	70028787	2	Restrictor Cartridge	
35		Ref	Washer	
36	See Note	4	Cylinder Nut (Note: Use P/N 70028793)	
37	See Note	4	Retainer (Note: Use P/N 70028793)	
38	See Note	4	Cotter Pin (Note: Use P/N 70028793)	
39		Ref	Arm Bar	
40	70022938	2	Fitting	
41		Ref	Capscrew M20 x 95	
	70030106	Ref	Cylinder Assembly	
101	70026503	1	Nut	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	70028789	1	Piston	
103	See Note	NSS	Seal (Note: Use Item 117)	
104	See Note	NSS	O-Ring (Note: Use Item 117)	
105	70030107	1	Rod	
106	See Note	NSS	Barrel (Note: Use P/N 70030106)	
107	See Note	NSS	O-Ring (Note: Use Item 117)	
108	See Note	NSS	Back-Up Ring (Note: Use Item 117)	
109	See Note	NSS	Seal (Note: Use Item 117)	
110	See Note	NSS	Nylon Ring (Note: Use Item 117)	
111	70028791	1	Retainer	
112	See Note	NSS	Wiper (Note: Use Item 117)	
113	70028119	1	Plug	
117	70028792	1	Seal Kit (Includes 103,104,107-110 & 112)	
		Ref	Hydraulics Group	
201	70028794	2	Valve, Pressure Control	
202	70024721	2	Washer	
203	70028681	2	Bolt	
204	70022938	8	Fitting	
205	70028795	1	Tube	
206	70026481	2	Hose Clamp	
207	70026482	1	Washer	
208	70028672	1	Bolt	
209	70028687	1	Clamp Body	
210	70028688	1	Cover	
211	70028689	1	Bolt	
212	70028796	1	Tube	
213		Ref	Hose	
214		Ref	Hose	
215	70024772	4	Cartridge, Pressure Control	
216	70028115	4	Seal Kit, Cartridge	
		Ref	Hydraulic Supply Group	
301	8420055	2	Plug, Dust	
302	8420053	2	Cap, Dust	
303	1001101041	2	Quick Disconnect (Male)	
304	1001101042	2	Quick Disconnect (Female)	
305		Ref	Fitting	
306		Ref	Hose	
307		Ref	Hose	
		Ref	Decal Group	
401	70024538	2	Decal - Pinch Point	
402	70024787	2	Decal - No Step	
403	70028785	1	Decal - Quick Change Hook (Not Shown)	

FIGURE 3-29. FORK - PALLET (2.25X6X48)

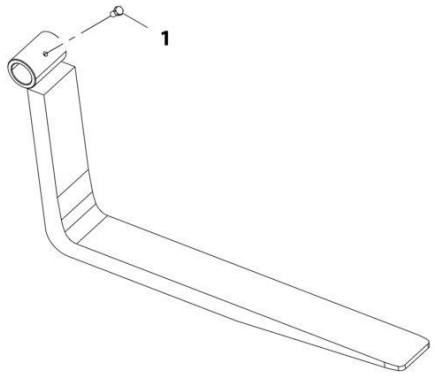

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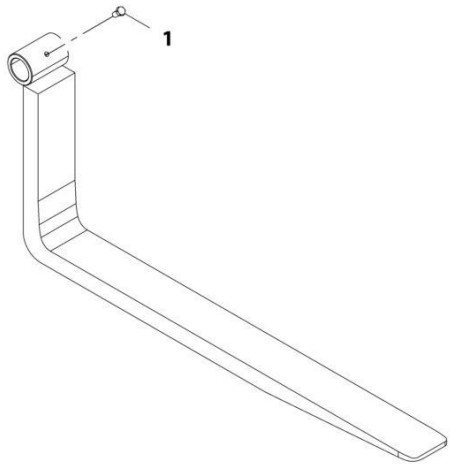
FIGURE 3-29. FORK - PALLET (2.25X6X48)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196952	1	Pallet Fork (2.25X6X48)	B
1	70027180	1	Screw, M16X30	
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

FIGURE 3-30. FORK - PALLET (2.25X6X60)

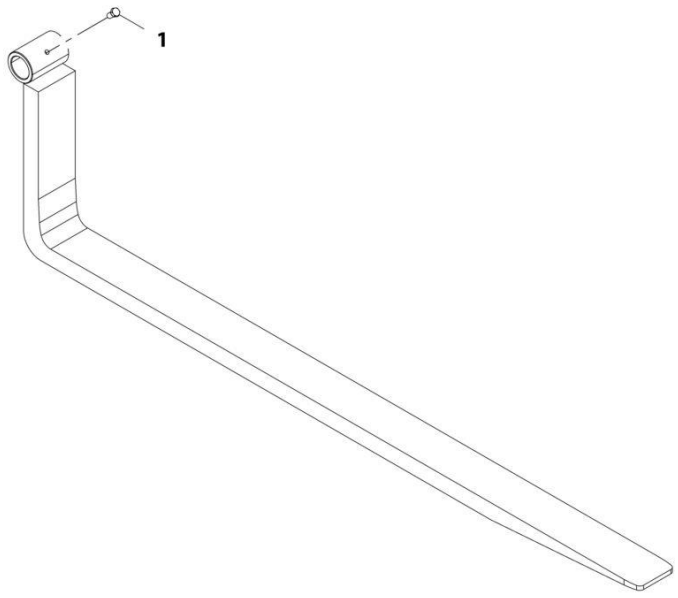


ART_1001196951-B

FIGURE 3-30. FORK - PALLET (2.25X6X60)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196951	1	Pallet Fork (2.25X6X60)	B
1	70027180	1	Screw, M16X30	
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

FIGURE 3-31. FORK - PALLET (2.25X6X72)

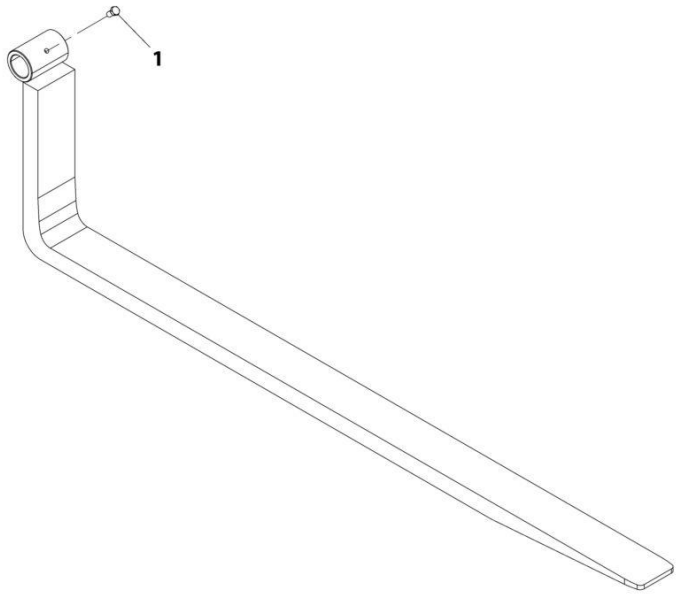


ART_1001196950-B

FIGURE 3-31. FORK - PALLET (2.25X6X72)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196950	1	Pallet Fork (2.25X6X72)	B
1	70027180	1 2	Screw, M16X30	
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

FIGURE 3-32. FORK - PALLET (2.25X6X96)



ART_1001196949-B

FIGURE 3-32. FORK - PALLET (2.25X6X96)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196949	1	Pallet Fork (2.25X6X96)	B
1	70027180	1 2	Screw, M16X30	
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

FIGURE 3-33. FORK RETENTION INSTALLATION

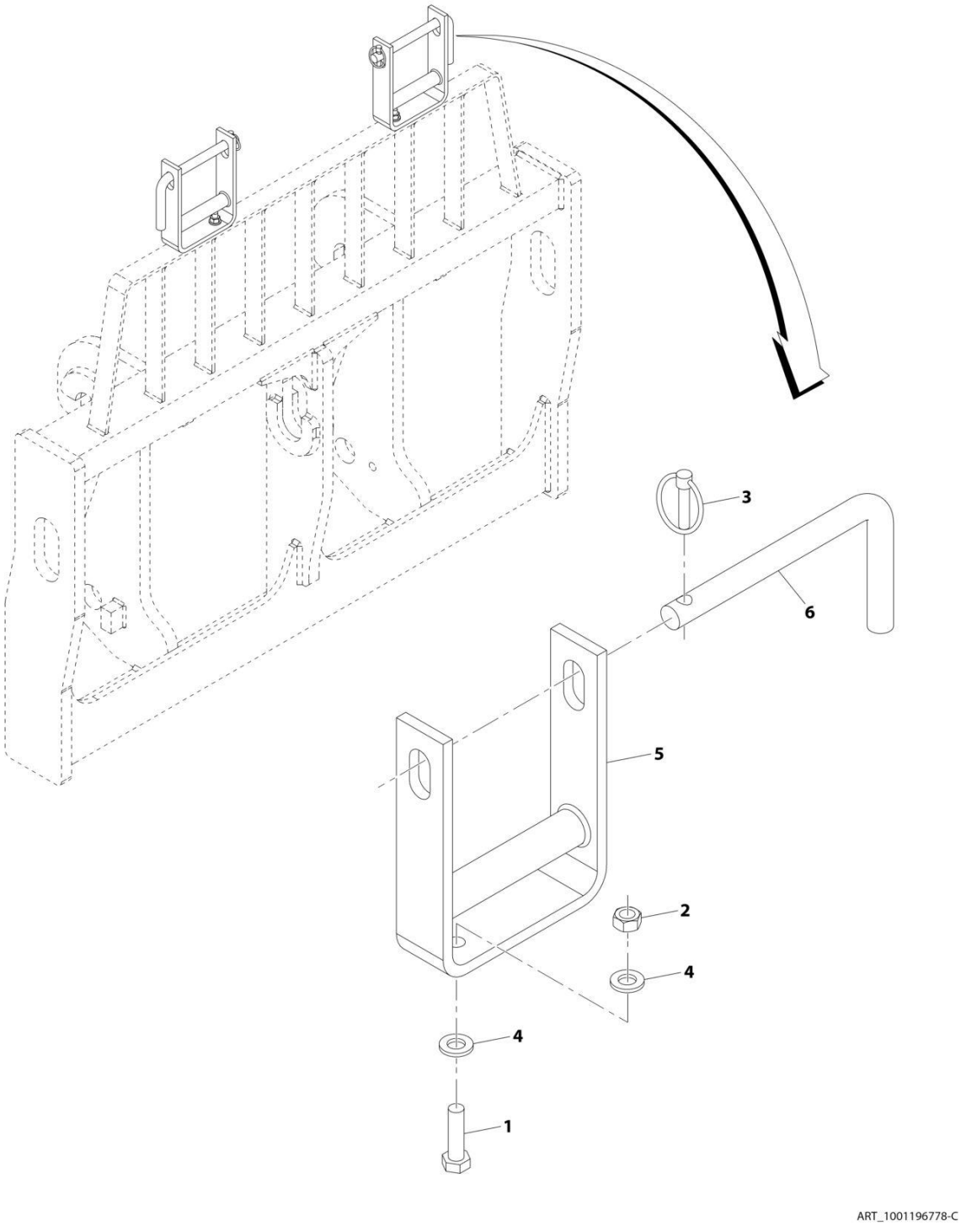
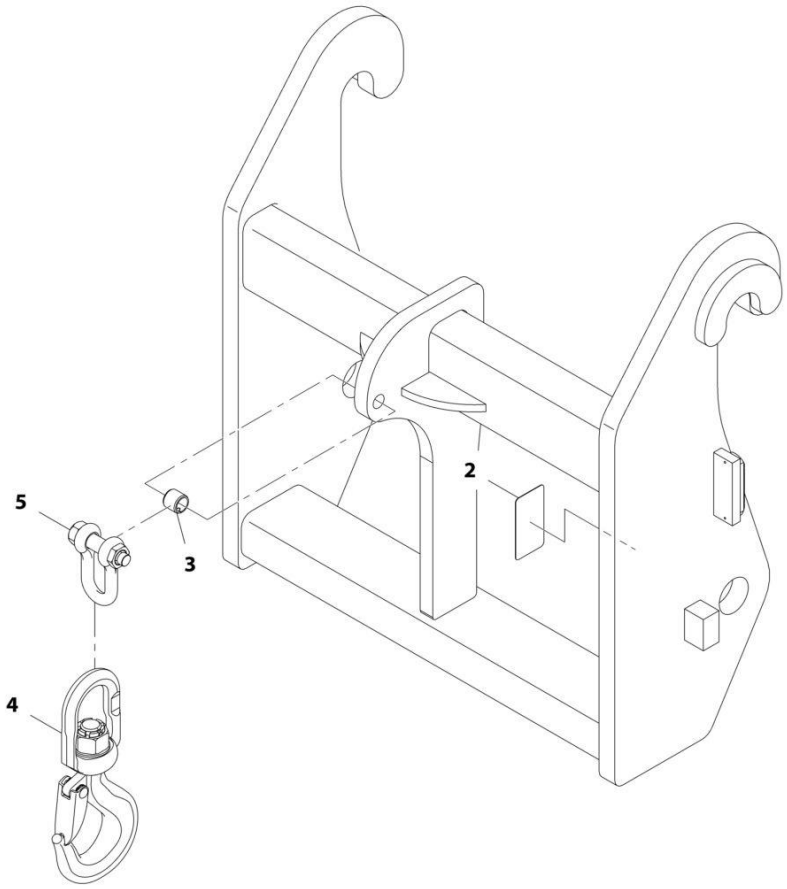


FIGURE 3-33. FORK RETENTION INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196778	Ref	Fork Retention Installation	C
1	0761217	1	Bolt, M12X45	
2	3291201	1	Nut, M12X1.75	
3	1001109387	1	Pin, Linch	
4	5241200	2	Washer, M12	
5	1001196779	1	Bracket, Fork Retention	
6	1001196782	1	Pin, Fork Retention	

FIGURE 3-34. HOOK - CRANK (7.6 TON)



ART_1001192700-E

FIGURE 3-34. HOOK - CRANK (7.6 TON)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192700	1	Crane Hook (7.6 ton)	F
2	90554016	1	Decal, Made in USA	
3	70020555	1	Bushing	
4	70026745	1	Hook, Swivel	
5	70026746	1	Shackle, Chain	

FIGURE 3-35. HOPPER - TRASH

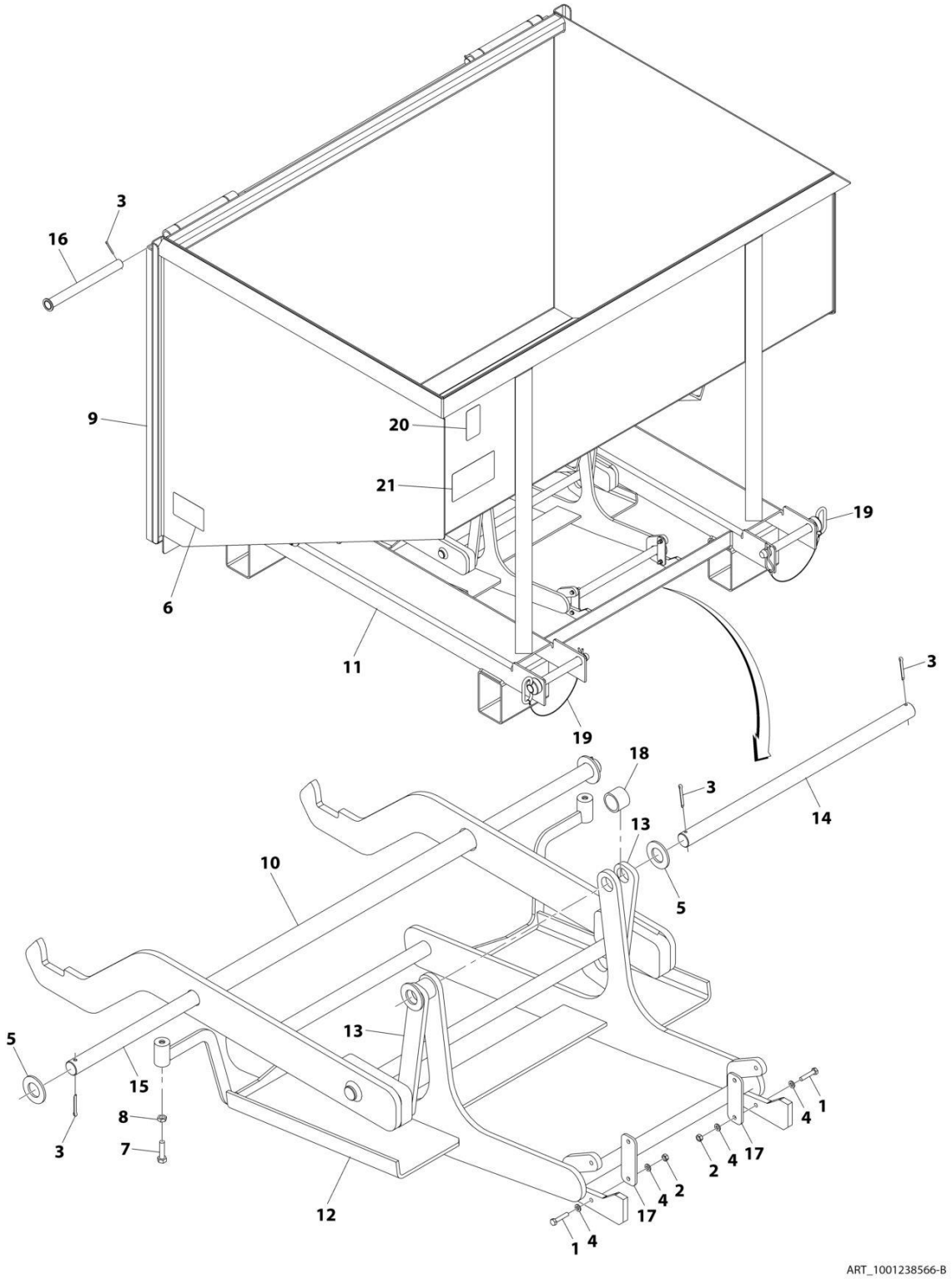


FIGURE 3-35. HOPPER - TRASH

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 3-36. WINCH - COUPLER MOUNTED

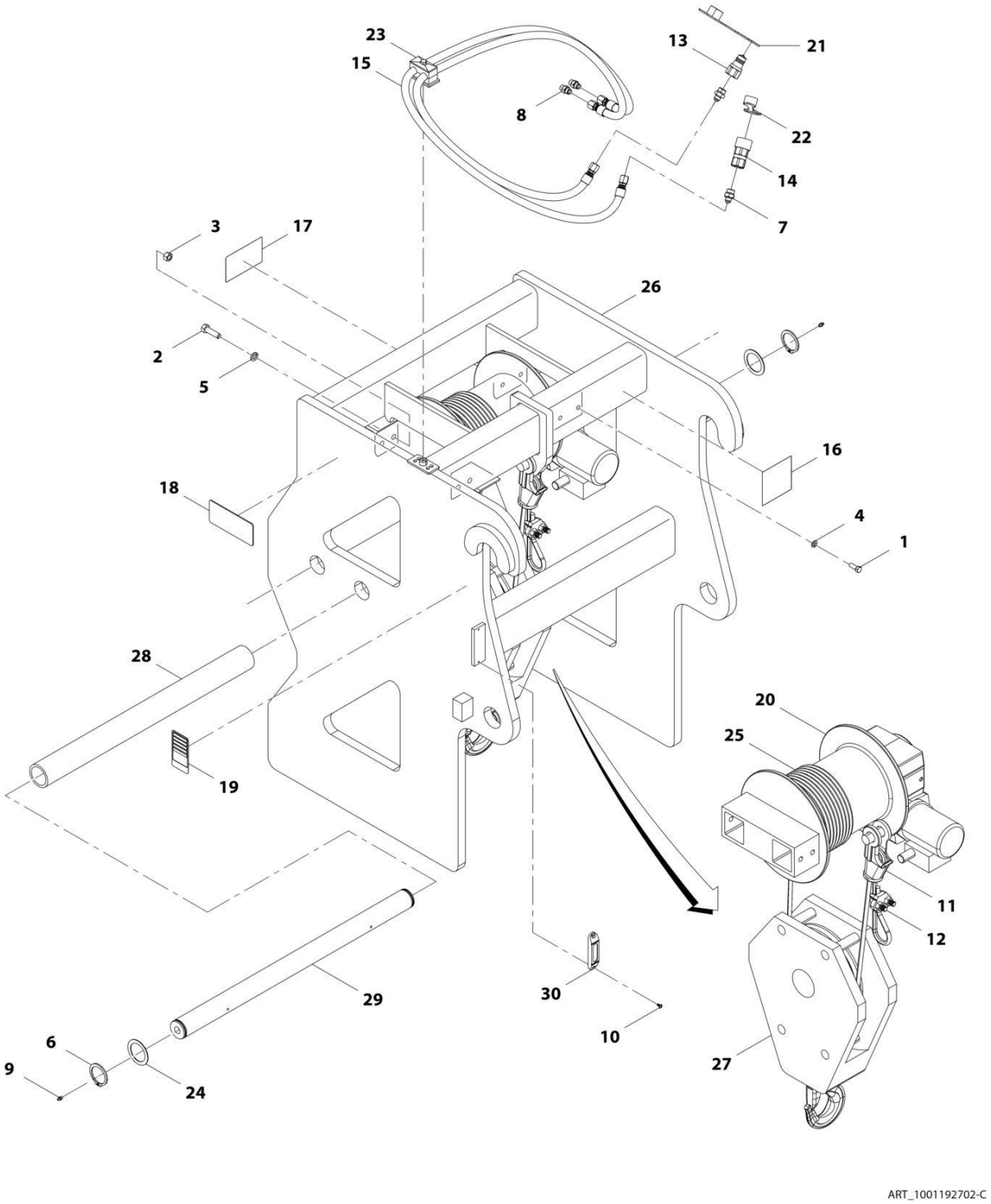


FIGURE 3-36. WINCH - COUPLER MOUNTED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192702	Ref	Coupler Mounted Winch	D
1	70021349	4	Bolt, 3/8X1	
2	70024059	4	Bolt, 1/2X1-3/4	
3	90554054	4	Nut, 1/2	
4	90554042	4	Washer, Lock 3/8	
5	90554020	4	Washer, Lock 1/2	
6	70028860	4	Ring, Snap	
7	70021397	2	Fitting, Straight	
8	70021415	2	Fitting, Straight	
9	90554045	4	Grease, Fitting	
10	70028554	2	Screw	
11	70021979	1	Assembly, Socket (includes pin and cotter pin)	
12	70022528	1	Clamp	
13	91403414	1	Adapter, Male Quick Disconnect	
14	91403413	1	Adapter, Female Quick Disconnect	
15	70028861	2	Hose	
16	7029711	1	Decal, High Pressure	
17	70024064	1	Decal, Do Not Tow	
18	4110422	2	Decal, Warning Swinging Loads	
19	N.S.S.	1	Plate, Serial Number	
20	70028862	1	Winch	
21	8420053	1	Cap, Dust	
22	8420055	1	Cap, Dust	
23	70021387	1	Clamp, Hose	
24	70028863	4	Washer	
25	70028864	1	Cable	
26	N.S.S.	1	Weldment, Frame	
27	70028865	1	Hook	
28	70028866	2	Roller Tube, Winch	
29	70028867	2	Roller Bar, Winch	
30	1001227670	1	Tag, RFID	

SECTION 4 - ENGINE AND ATTACHING PARTS

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

ART_1001200443-D

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200443	Ref	Engine Pod Component Installation (ULS)	E
2	1001221041	1	Installation, Remote Fuel Pump (See Separate Breakdown in this Section)	
4	1001193393	1	Installation, Implement Pump (See Separate Breakdown in this Section)	
5	1001193703	1	Installation, Hydrostatic Adaptor (See Separate Breakdown in this Section)	
6	1001193704	1	Installation, Hydrostatic Drive Pump (See Separate Breakdown in this Section)	
7	1001200106	1	Installation, Engine Wiring (See Separate Breakdown in ELECTRICAL Section)	
8	1001200862	1	Installation, Engine Mount (See Separate Breakdown in this Section)	
9	1001200863	1	Installation, Air Intake (See Separate Breakdown in this Section)	
10	1001200864	1	Installation, Air Cleaner (See Separate Breakdown in this Section)	
11	1001200865	1	Installation, Primary Fuel Filter (See Separate Breakdown in this Section)	
12	1001200866	1	Installation, Fuel Lines (See Separate Breakdown in this Section)	
13	1001284538	1	Installation, Engine ECU (See Separate Breakdown in ELECTRICAL Section)	
14	1001293070	1	Installation, DEF Coolant Lines (See Separate Breakdown in this Section)	
15	1001201425	1	Installation, Engine (See Separate Breakdown in this Section)	

FIGURE 4-2. ENGINE POD COMPONENT INSTALLATION (MINING) (ULS)

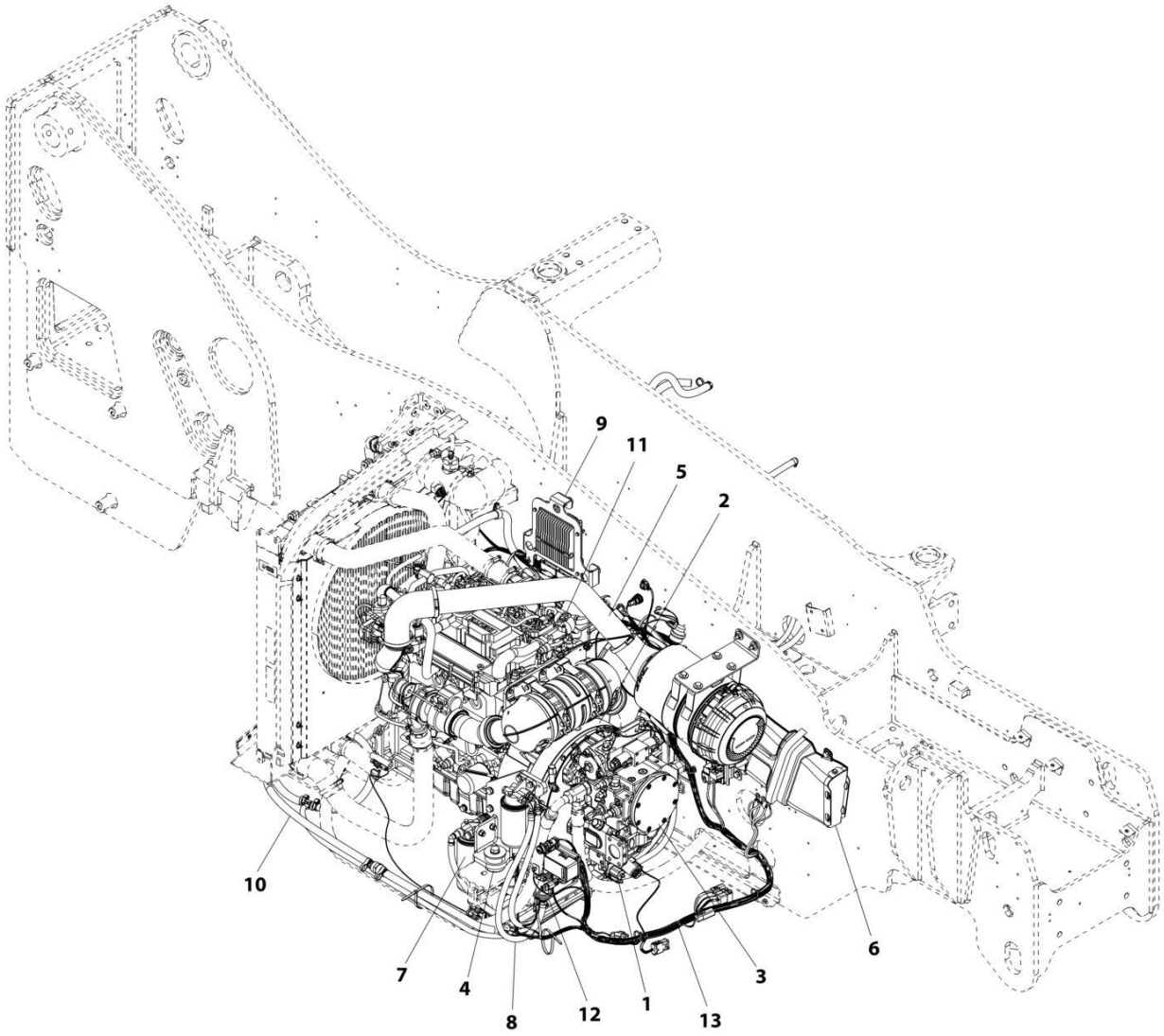


FIGURE 4-2. ENGINE POD COMPONENT INSTALLATION (MINING) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228727	Ref	Engine Pod Component Installation (Mining) (ULS)	B
1	1001193393	1	Installation, Implement Pump (See Separate Breakdown in this Section)	
2	1001193703	1	Installation, Hydrostatic Adaptor (See Separate Breakdown in this Section)	
3	1001193704	1	Installation, Hydrostatic Drive Pump (See Separate Breakdown in this Section)	
4	1001200862	1	Installation, Engine Mount (See Separate Breakdown in this Section)	
5	1001200863	1	Installation, Air Intake (See Separate Breakdown in this Section)	
6	1001200864	1	Installation, Air Cleaner (See Separate Breakdown in this Section)	
7	1001200865	1	Installation, Primary Fuel Filter (See Separate Breakdown in this Section)	
8	1001200866	1	Installation, Fuel Lines (See Separate Breakdown in this Section)	
9	1001284538	1	Installation, Engine ECU (See Separate Breakdown in ELECTRICAL Section)	
10	1001293070	1	Installation, DEF Coolant Lines (See Separate Breakdown in this Section)	
11	1001201425	1	Installation, Engine (See Separate Breakdown in this Section)	
12	1001221041	1	Installation, Remote Fuel Pump (See Separate Breakdown in this Section)	
13	1001228728	1	Installation, Engine Wiring (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 4-3. ENGINE POD COMPONENT INSTALLATION (LS)

FIGURE 4-3. ENGINE POD COMPONENT INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200444	Ref	Engine Pod Component Installation (LS - no High Ambient)	B
1	1001221041	1	Installation, Remote Fuel Pump (See Separate Breakdown in this Section)	
2	1001193393	1	Installation, Implement Pump (See Separate Breakdown in this Section)	
3	1001193703	1	Installation, Hydrostatic Adaptor (See Separate Breakdown in this Section)	
4	1001193704	1	Installation, Hydrostatic Drive Pump (See Separate Breakdown in this Section)	
5	1001217752	1	Installation, Engine Wiring (See Separate Breakdown in Electrical Section)	
6	1001200862	1	Installation, Engine Mount (See Separate Breakdown in this Section)	
7	1001210600	1	Installation, Air Intake (See Separate Breakdown in this Section)	
8	1001200864	1	Installation, Air Cleaner (See Separate Breakdown in this Section)	
9	1001210602	1	Installation, Primary Fuel Filter (See Separate Breakdown in this Section)	
10	1001210601	1	Installation, Fuel Lines (See Separate Breakdown in this Section)	
11	1001284538	1	Installation, Engine ECU (See Separate Breakdown in Electrical Section)	
12	1001284532	1	Installation, Engine (See Separate Breakdown in this Section)	

FIGURE 4-4. ENGINE POD COMPONENT INSTALLATION (LS HIGH AMBIENT)

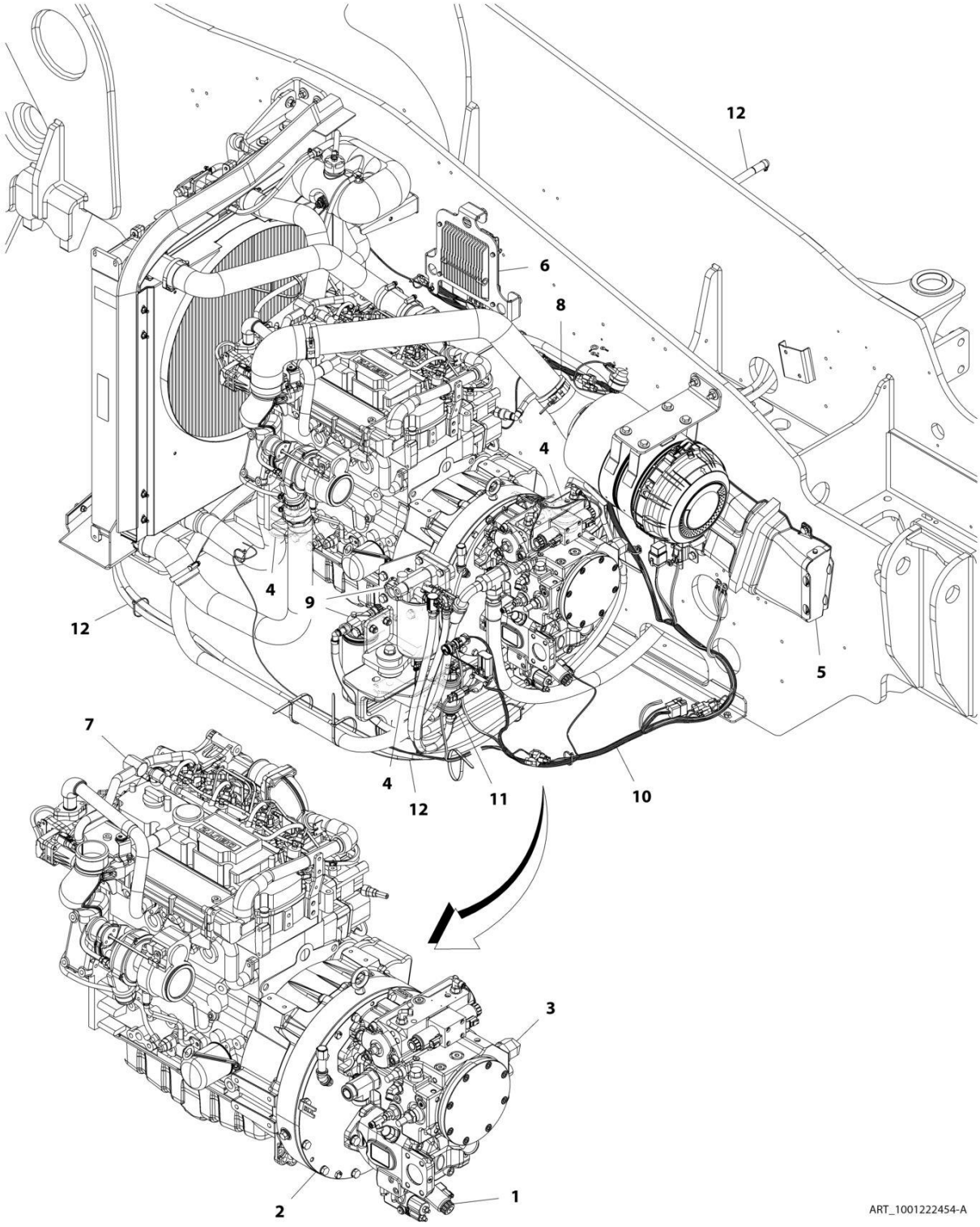


FIGURE 4-4. ENGINE POD COMPONENT INSTALLATION (LS HIGH AMBIENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222454	Ref	Engine Installation (LS)	B
1	1001193393	Ref	Installation, Main Hydraulic Pump (See Separate Breakdown in Hydraulic Circuits Section)	
2	1001193703	Ref	Installation, Transmission Hydrostatic Adapter (See Separate Breakdown in this Section)	
3	1001193704	Ref	Installation, Transmission Hydrostatic Drive Pump (See Separate Breakdown in this Section)	
4	1001200862	Ref	Installation, Engine Mounting (See Separate Breakdown in this Section)	
5	1001200864	Ref	Installation, Air Cleaner (See Separate Breakdown in this Section)	
6	1001284538	Ref	Installation, Engine ECU (See Separate Breakdown in Electrical Section)	
7	1001284532	Ref	Engine (LS) (See Separate Breakdown in this Section)	
8	1001210600	Ref	Installation, Air Intake Lines (LS) (See Separate Breakdown in this Section)	
9	1001210602	Ref	Installation, Primary Fuel Filter (LS) (See Separate Breakdown in this Section)	
10	1001217752	Ref	Installation, Engine Wiring (LS) (See Separate Breakdown in Electrical Section)	
11	1001221041	Ref	Installation, Remote Fuel Pump (See Separate Breakdown in this Section)	
12	1001222163	Ref	Installation, Fuel Lines (See Separate Breakdown in this Section)	

FIGURE 4-5. ENGINE POD COMPONENT INSTALLATION (MINING) (LS)

ART_1001228734-A

FIGURE 4-5. ENGINE POD COMPONENT INSTALLATION (MINING) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228734	Ref	Engine Pod Component Installation (Mining) (LS)	B
1	1001221041	1	Installation, Remote Fuel Pump (See Separate Breakdown in this Section)	
2	1001193393	1	Installation, Implement Pump (See Separate Breakdown in this Section)	
3	1001193703	1	Installation, Hydrostatic Adaptor (See Separate Breakdown in this Section)	
4	1001193704	1	Installation, Hydrostatic Drive Pump (See Separate Breakdown in this Section)	
5	1001228735	1	Installation, Engine Wiring (See Separate Breakdown in Electrical Section)	
6	1001200862	1	Installation, Engine Mount (See Separate Breakdown in this Section)	
7	1001210600	1	Installation, Air Intake (See Separate Breakdown in this Section)	
8	1001200864	1	Installation, Air Cleaner (See Separate Breakdown in this Section)	
9	1001210602	1	Installation, Primary Fuel Filter (See Separate Breakdown in this Section)	
10	1001210601	1	Installation, Fuel Lines (See Separate Breakdown in this Section)	
11	1001284538	1	Installation, Engine ECU (See Separate Breakdown in Electrical Section)	
12	1001284532	1	Installation, Engine (See Separate Breakdown in this Section)	

FIGURE 4-6. ENGINE POD COMPONENT INSTALLATION (MINING) (LS HIGH AMBIENT)

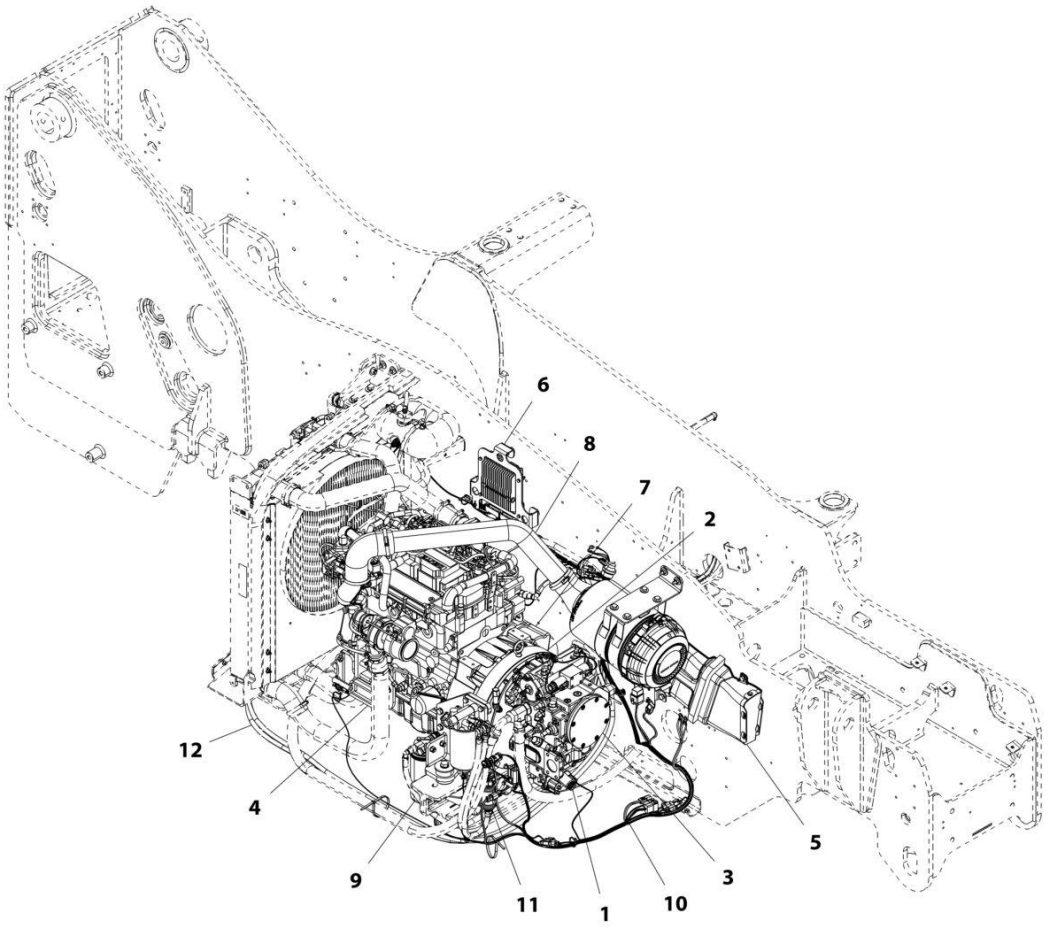


FIGURE 4-6. ENGINE POD COMPONENT INSTALLATION (MINING) (LS HIGH AMBIENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228737	Ref	Engine Pod Component Installation (LS - High Ambient)	B
1	1001193393	1	Installation, Implement Pump (See Separate Breakdown in this Section)	
2	1001193703	1	Installation, Hydrostatic Adaptor (See Separate Breakdown in this Section)	
3	1001193704	1	Installation, Hydrostatic Drive Pump (See Separate Breakdown in this Section)	
4	1001200862	1	Installation, Engine Mount (See Separate Breakdown in this Section)	
5	1001200864	1	Installation, Air Cleaner (See Separate Breakdown in this Section)	
6	1001284538	1	Installation, Engine ECU (See Separate Breakdown in Electrical Section)	
7	1001284532	1	Installation, Engine (See Separate Breakdown in this Section)	
8	1001210600	1	Installation, Air Intake (See Separate Breakdown in this Section)	
9	1001210602	1	Installation, Primary Fuel Filter (See Separate Breakdown in this Section)	
10	1001228735	1	Installation, Engine Wiring (See Separate Breakdown in Electrical Section)	
11	1001221041	1	Installation, Remote Fuel Pump (See Separate Breakdown in this Section)	
12	1001222163	1	Installation, Fuel Lines (See Separate Breakdown in this Section)	

FIGURE 4-7. ENGINE INSTALLATION (ULS)

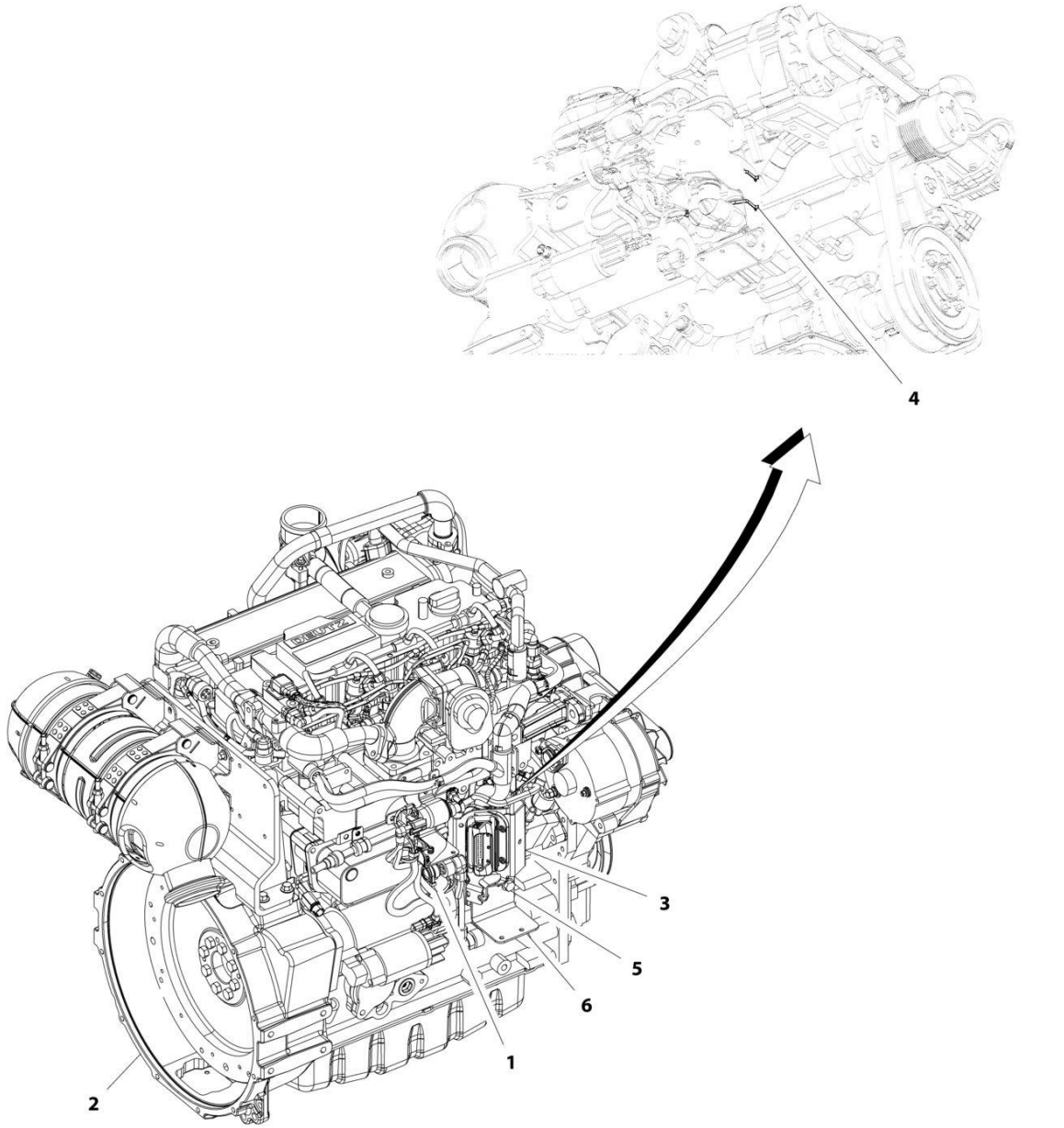
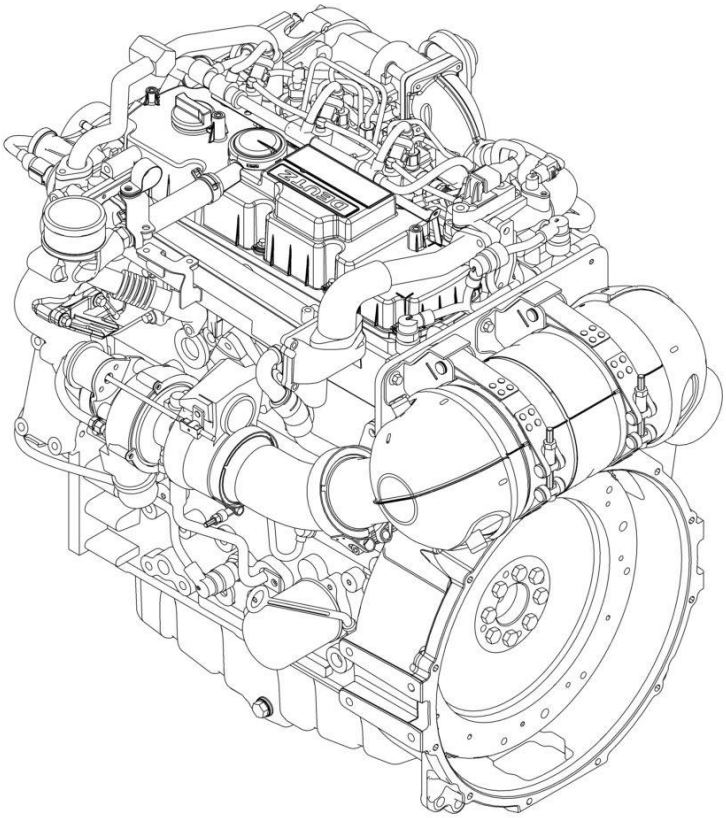


FIGURE 4-7. ENGINE INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201425	Ref	Engine Installation (ULS)	F
1	1001004720	4	Strap, Cable	
2	1001284531	1	Engine (See Separate breakdown in this Section)	
3	1001202901	1	Bracket, ECU Connector	
4	1001008559	2	Strap, Cable	
5	5251012	2	Bolt, M10X25	
6	1001222460	1	Bracket, Fuel Supply	

FIGURE 4-8. ENGINE ASSEMBLY (ULS)



ART_1001197414_O

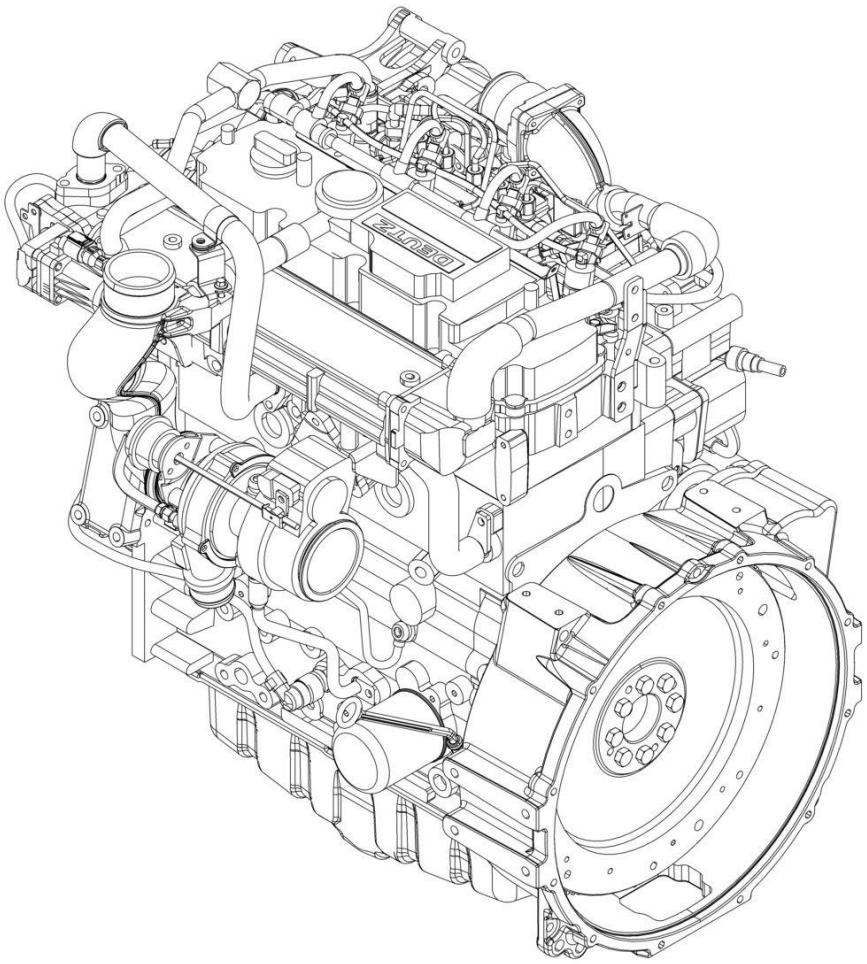
FIGURE 4-8. ENGINE ASSEMBLY (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197414	Ref	ENGINE (100kW - ULS)	O
	70027657	1	Dipstick	
	7020442	1	O-Ring	
	70025755	1	Tube, Dipstick	
	70025765	1	Pan, Oil	
	70025786	1	Plug	
	70025757	1	Flywheel	
	7020208	1	Gear, Ring	
	70126616	1	Bearing	
	70027567	1	Belt	
	70025737	1	Sensor, Wheel	
	70025743	1	Pulley, V-Groove	
	70124445	1	Crankcase	
	70025763	1	Pump, Oil	
	70024494	1	Cooler, Oil	
	70024495	1	Gasket	
	7016331	1	Filter, Oil	
	70024504	1	Sensor, Pressure	
	70024489	1	Line, Lube	
	70005490	1	Line, Return	
	70005730	1	Pipe, Transfer	
	70025722	1	Line, Oil Suction	
	70024487	1	Pump, Fuel Injector	
	70027417	1	Filter, Fuel (Secondary)	
	70004512	1	Element, Fuel Filter (Secondary)	
	70024961	1	Filter, Fuel (Primary)	
	70025153	1	Element, Fuel Filter (Primary)	
	70006144	1	Pump, Fuel	
	70024507	1	Sensor, Pressure	
	70005492	1	Valve, Throttle	
	70025772	1	Manifold, Air Charge	
	70027420	1	Module, ECU	
	70026011	1	Pump, Water	
	70025775	1	Pulley, V-Ribbed Belt	
	70024918	1	Sensor, Temperature	
	70024493	1	Gasket	
	70005504	1	Sensor, Pressure	
	70005505	1	O-Ring	
	70027405	2	Sensor, Temperature	
	70005507	2	O-Ring	
	70005510	1	Manifold, Exhaust	
	70005511	1	Gasket	
	70027426	1	Module, EGR	
	70005513	1	Valve, Control	
	70025768	1	Valve, Shuttle	
	70028417	1	Turbocharger	
	70024484	1	Roller, Idler	
	70028418	1	Tensioner, Belt	
	70028419	1	Belt, V-Ribbed	
	70031088	1	Alternator	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70025535	1	Starter	
	70025780	1	Relay	
	70026210	1	Sensor, Speed	
	70005191	1	O-Ring	
	70025761	1	Connector	
	70024474	1	Plug, Glow	
	70025760	1	Rail, Connecting	
	70005544	1	Unit, Metering	
	70005548	1	Pump, DEF Supply	
	70005549	1	Filter, DEF	
	70005523	1	Sensor, Pressure	
	70024505	1	Sensor, Temperature	
	70005556	1	Sensor, Temperature	
	70005522	1	Sensor	
	70005524	1	Sensor	
	70005559	1	Sensor, Temperature	
	70005507	1	O-Ring	
	70005557	1	Pipe	
	70005558	1	Clip	
	70025877	3	Clamp	
	70025242	3	Gasket	
	70025707	1	Set, Gasket	

FIGURE 4-9. ENGINE ASSEMBLY (LS)



ART_1001209585-G

FIGURE 4-9. ENGINE ASSEMBLY (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209585	Ref	Engine (100kW - LS)	H
	70004512	1	Fuel Filter - Use 1001225432	
	70005174	1	Pump, Fuel - Use 1001226098	
	70005490	1	Line, Oil Return	
	70005492	1	Valve, Throttle	
	70005495	1	Unit, Control Programmed To Sn	
	70005504	1	Sensor, Pressure	
	70005505	1	Ring, Sealing	
	70005507	2	O-Seal	
	70024487	1	Fuel Inject Pump	
	70024489	1	Lubrication Oil Line	
	70024493	1	Gasket	
	70024494	1	Oil Cooler	
	70024495	1	Gasket	
	70024504	1	Oil Pressure Sensor - Use 70028538	
	70024507	1	Air Temperature Sensor	
	70024918	1	Temperature Sensor, Coolnt - Use 70028540	
	70024961	1	Fuel Prefilt Assembly, Prim (No Br)	
	70025153	1	Fuel Element Prime - Use 1001225430	
	70025722	1	Oil Suction Line	
	70025730	1	Transfer Pipe	
	70025737	1	Sensor Wheel	
	70025743	1	V-Grooved Pulley	
	70025755	1	Guide Tube	
	70025757	1	Flywheel - Use 70028764	
	70025763	1	Oil Pump	
	70025765	1	Oil Pan	
	70025768	1	Shuttle Valve - Use 70028928	
	70025772	1	Charge Air Pipe - Use 70028927	
	70025775	1	V-Belt Pulley	
	70025786	24	Screw Plug	
	70026011	1	Water Pump	
	70027405	2	Temperature Sensor	
	70027417	1	Fuel Filter Assembly	
	70027567	1	Belt Pulley	
	70027657	1	Dipstick	
	70124445	1	Crankshaft - Use 70029365	
	70126616	1	Bearing Bush	
	7016331	1	Filter, Oil	
	7020208	1	Ring Gear (129 Teeth)	
	7020442	1	Dipstick O-Ring	

FIGURE 4-10. ENGINE MOUNT INSTALLATION

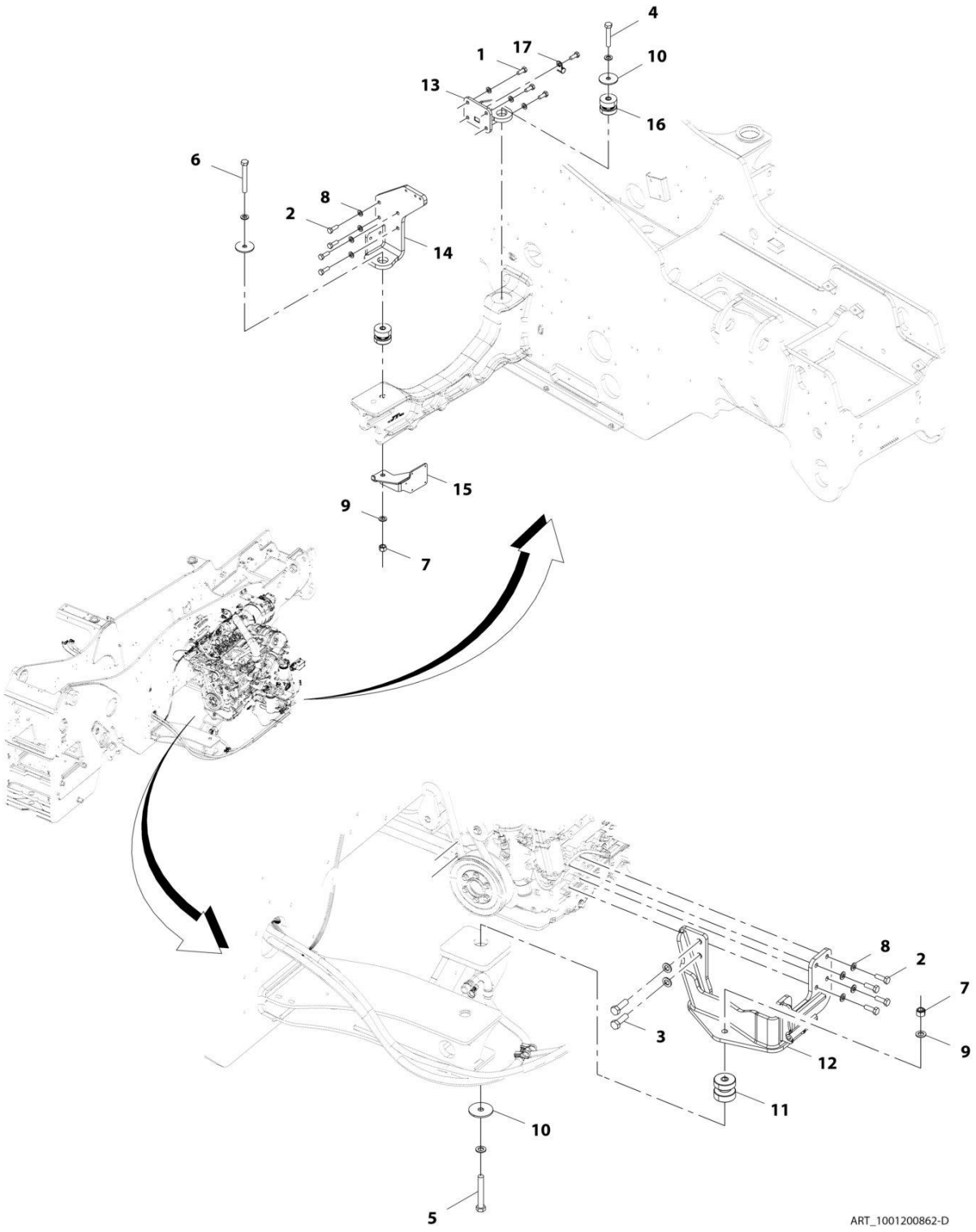


FIGURE 4-10. ENGINE MOUNT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200862	Ref	Engine Mount Installation	D
1	0761214	4	Bolt, M12X30	
2	0761215	8	Bolt, M12X35	
3	0701618	2	Bolt M16 X 50	
4	0701626	1	Bolt, M16X90	
5	0701628	1	Bolt, M16X110	
6	0701630	1	Bolt, M16X130	
7	3291605	2	Nut, Lock M16X2	
8	4812100	11	Washer, M12	
9	4812300	7	Washer, M16	
10	7300435	3	Washer	
11	1001188757	1	Mount, Engine	
12	1001200871	1	Bracket, Engine Mount	
13	1001200872	1	Bracket, Engine Mount	
14	1001200873	1	Bracket, Engine Mount	
15	1001200874	1	Bracket, Fuel Pump	
16	1001197072	2	Mount, Engine	
17	8406105	1	Clip, Tube	

FIGURE 4-11. AIR INTAKE INSTALLATION (ULS)

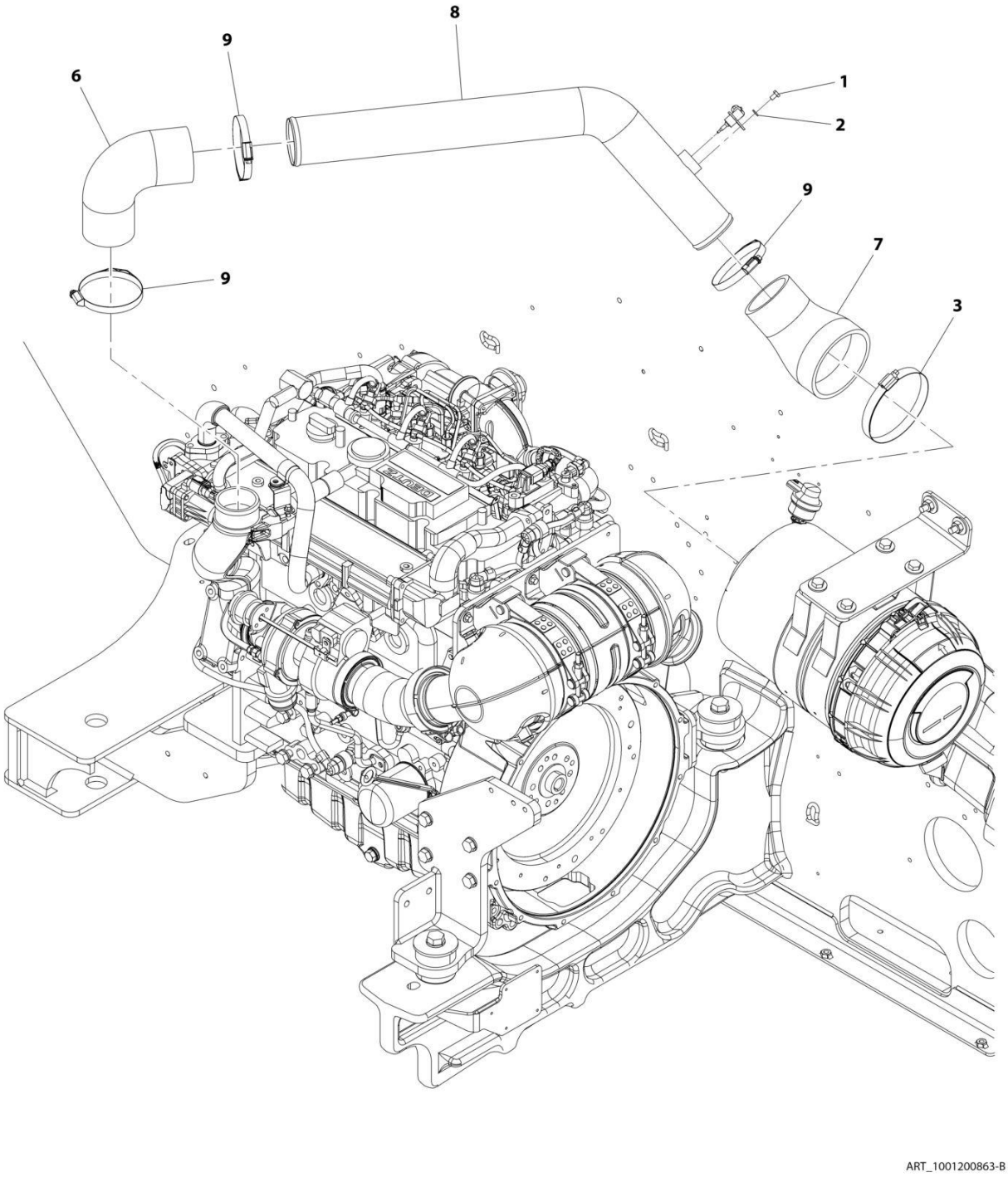


FIGURE 4-11. AIR INTAKE INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200863	Ref	Air Intake Installation (ULS)	B
1	0760605	1	Bolt, M6X10	
2	4811700	1	Washer, M6	
3	8405402	1	Clamp	
6	1001182881	1	Hose	
7	1001200885	1	Hose	
8	1001200886	1	Tube	
9	1001226523	3	Clamp	

FIGURE 4-12. AIR INTAKE INSTALLATION (LS)

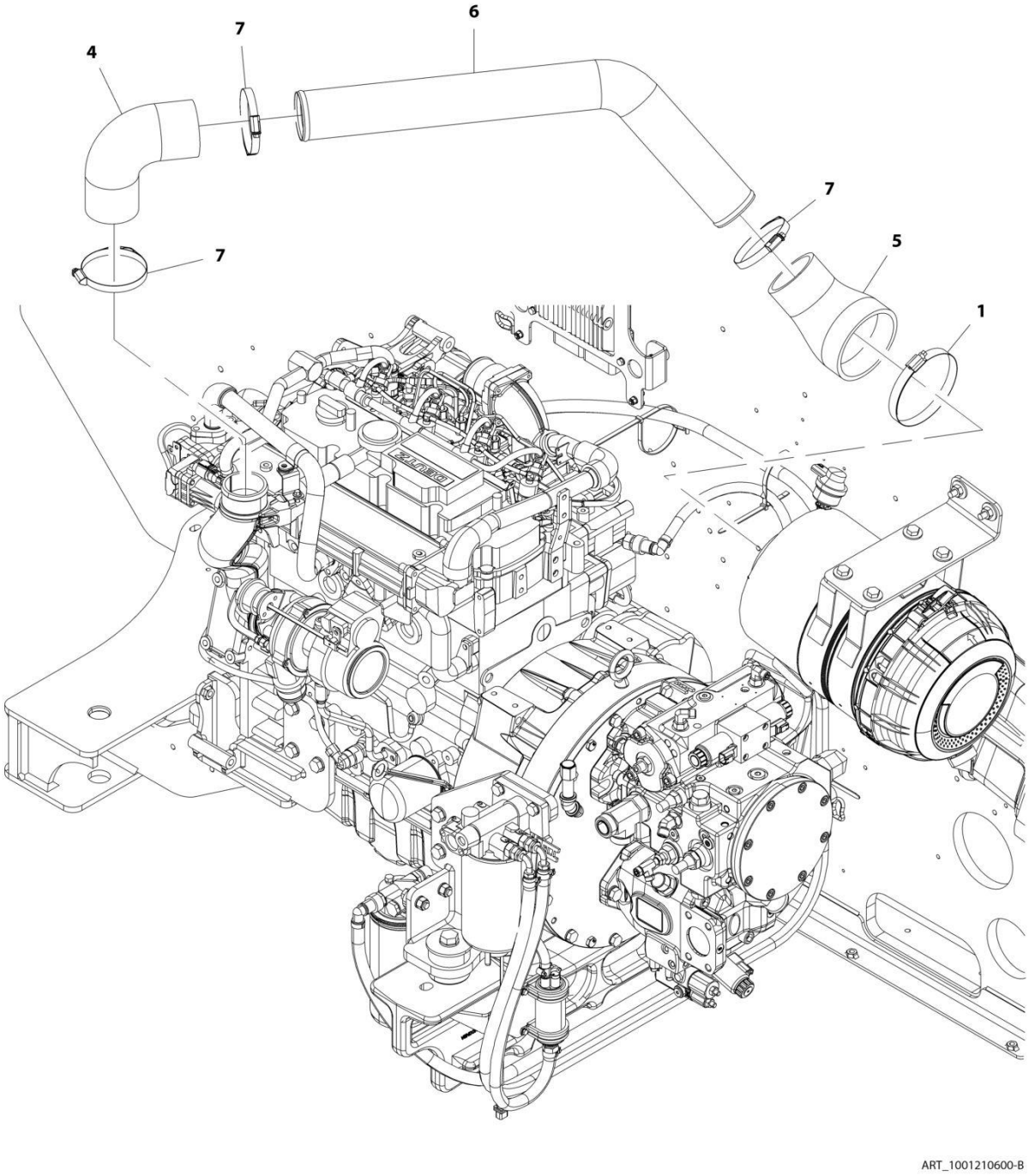


FIGURE 4-12. AIR INTAKE INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210600	Ref	Air Intake Installation (LS)	B
1	8405402	1	Clamp	
4	1001182881	1	Hose	
5	1001200885	1	Hose	
6	1001210603	1	Pipe	
7	1001226523	3	Clamp	

FIGURE 4-13. AIR CLEANER INSTALLATION

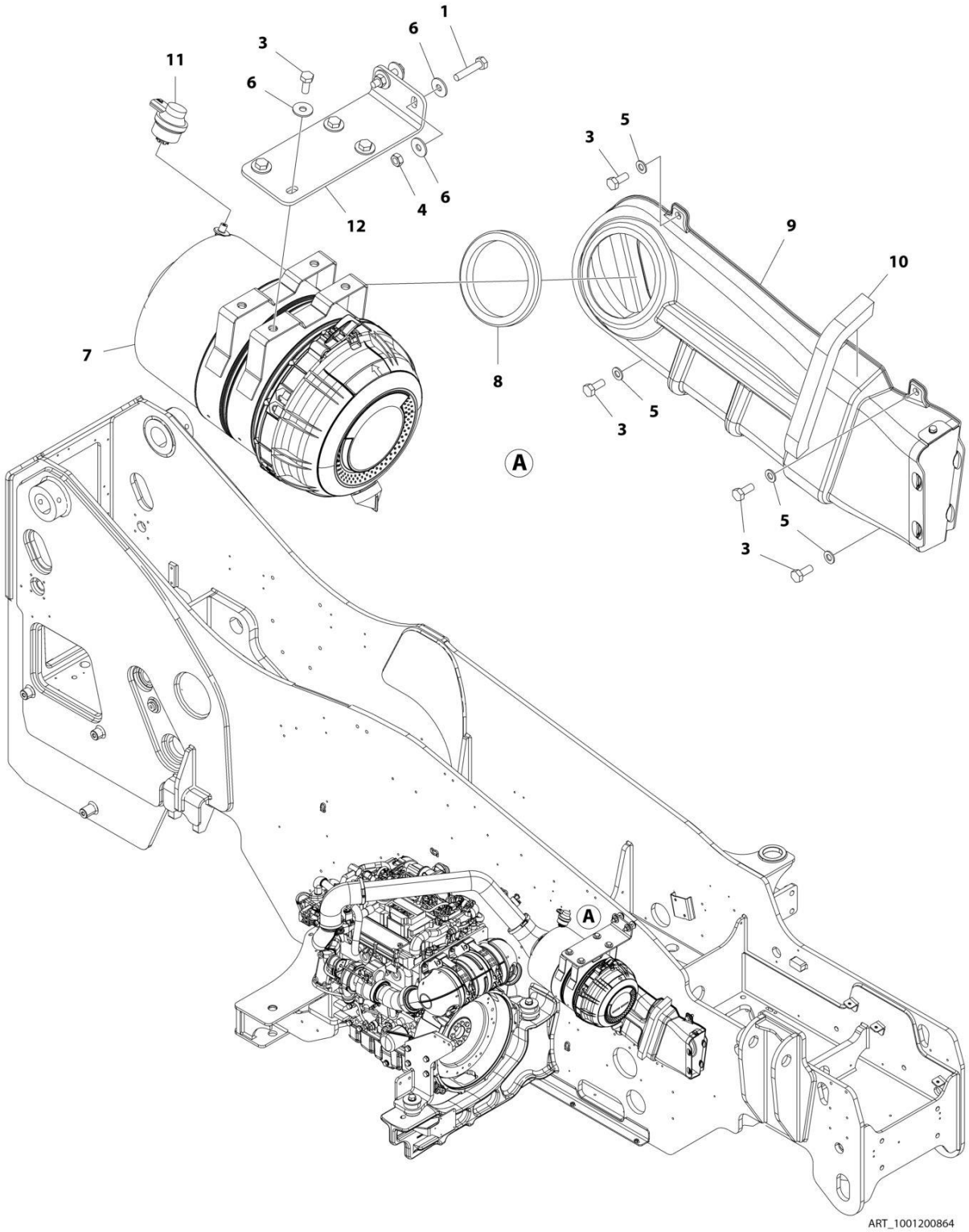


FIGURE 4-13. AIR CLEANER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200864	Ref	AIR CLEANER INSTALLATION	D
1	0701018	2	Bolt M10 x 50	
3	0761012	8	Bolt M10 x 25	
4	3291001	2	Nut M10 x 1.5	
5	4812000	4	Washer M10	
6	4812002	8	Washer M10	
7	1001166565	1	Filter, Air Cleaner (See Separate Breakdown in this Section)	
8	1001183831	1	Grommet	
9	1001183835	1	Air Intake Duct Installation (See Separate Breakdown in this Section)	
10	1001186898	1	Seal	
11	1001166715	1	Indicator	
12	1001194534	1	Bracket, Air Cleaner Mount	

FIGURE 4-14. AIR CLEANER FILTER ASSEMBLY

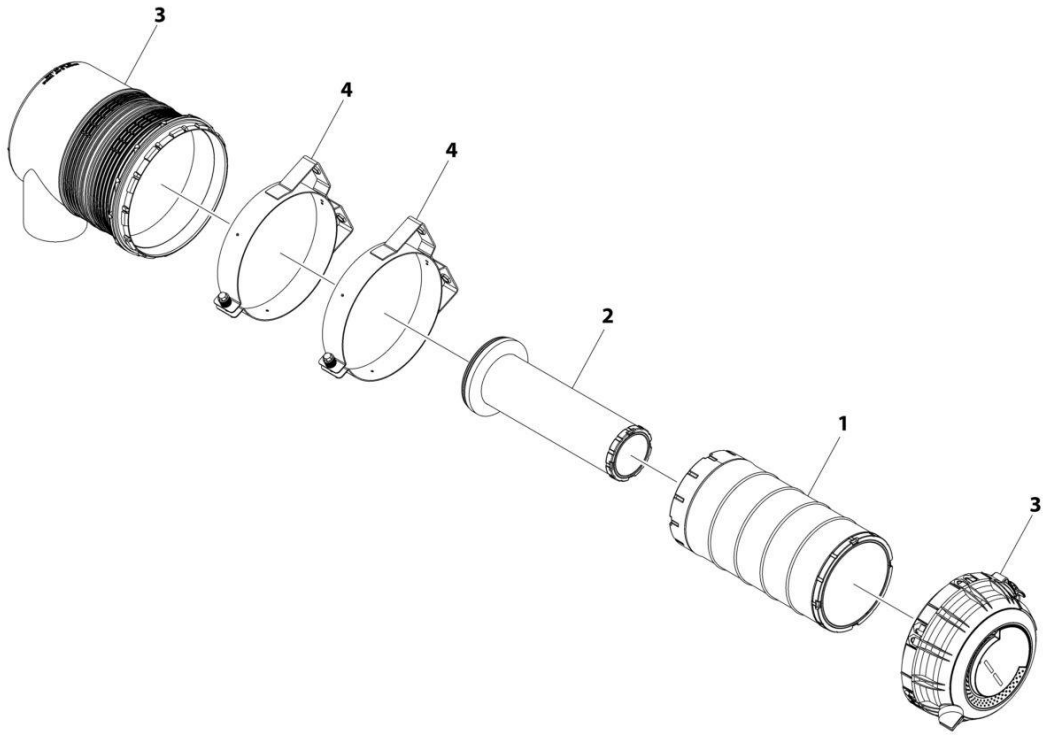


FIGURE 4-14. AIR CLEANER FILTER ASSEMBLY

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 4-15. AIR INTAKE DUCT INSTALLATION

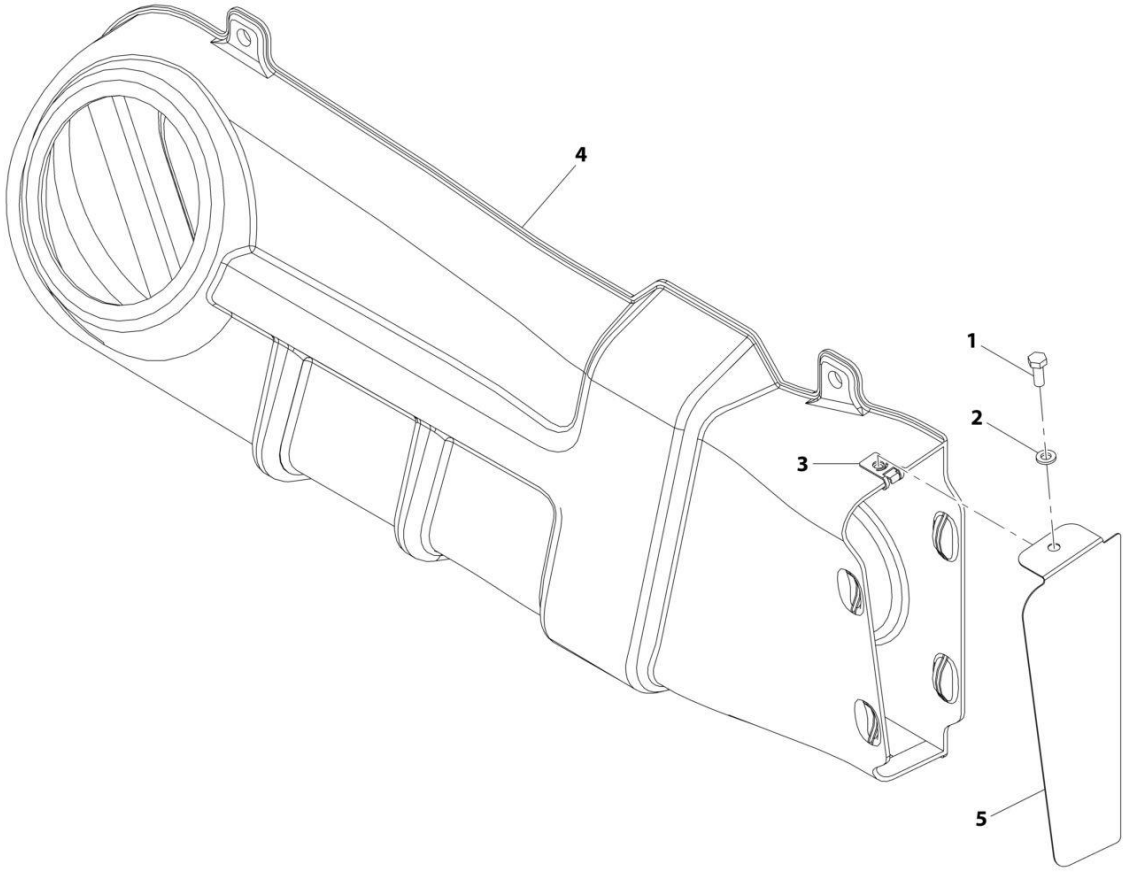


FIGURE 4-15. AIR INTAKE DUCT INSTALLATION

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

FIGURE 4-16. PRIMARY FUEL FILTER INSTALLATION (ULS)

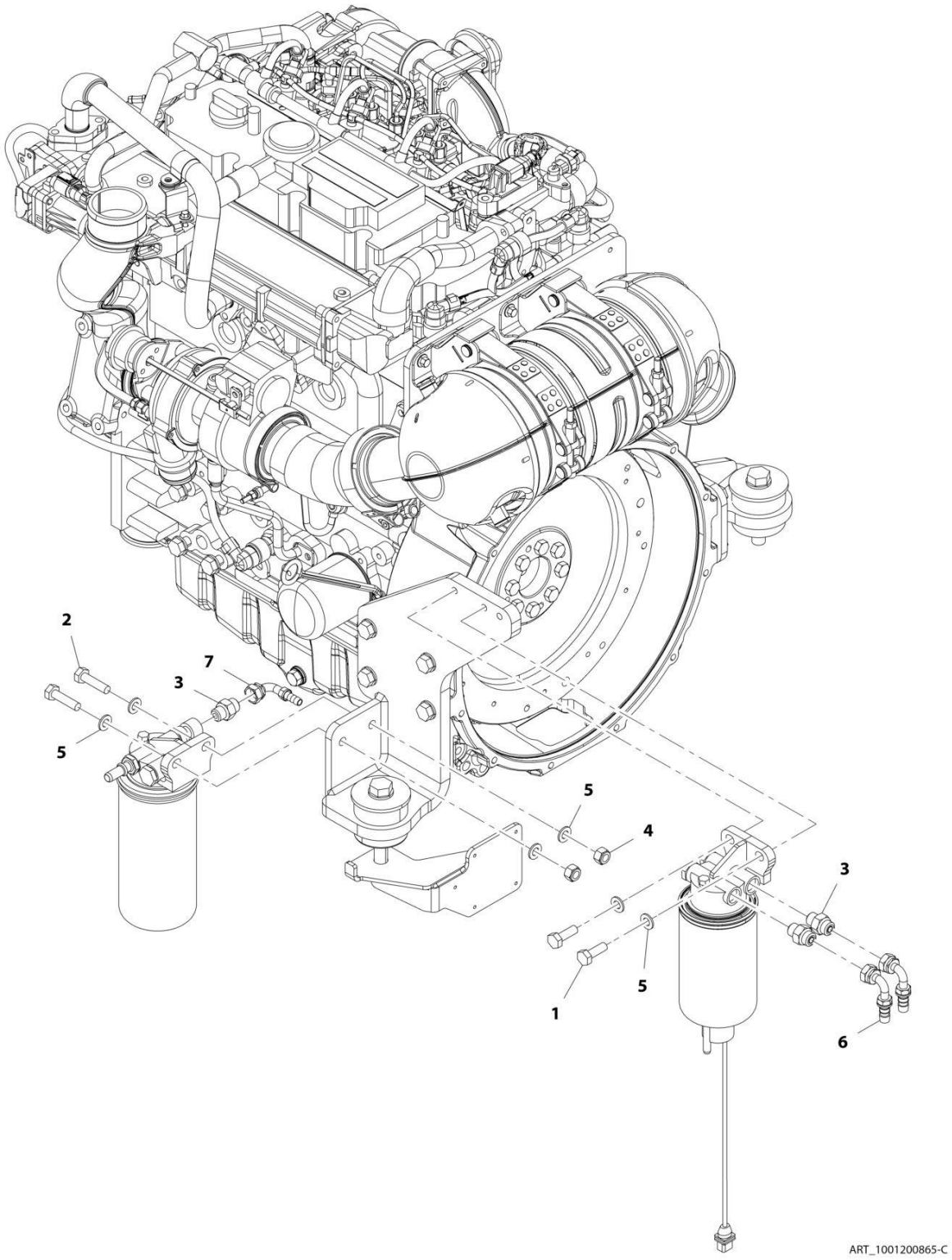


FIGURE 4-16. PRIMARY FUEL FILTER INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200865	Ref	Primary Fuel Filter Installation	C
1	0701014	2	Bolt, M10X30	
2	0701016	2	Bolt, M10X40	
3	2144606	3	Fitting, Straight ORFS	
4	3291005	2	Nut, Lock M10X1.5	
5	4812000	6	Washer, M10	
6	1001095301	2	Fitting, 90 ORFS	
7	1001133793	1	Fitting, 90 ORFS	

FIGURE 4-17. PRIMARY FUEL FILTER INSTALLATION (LS

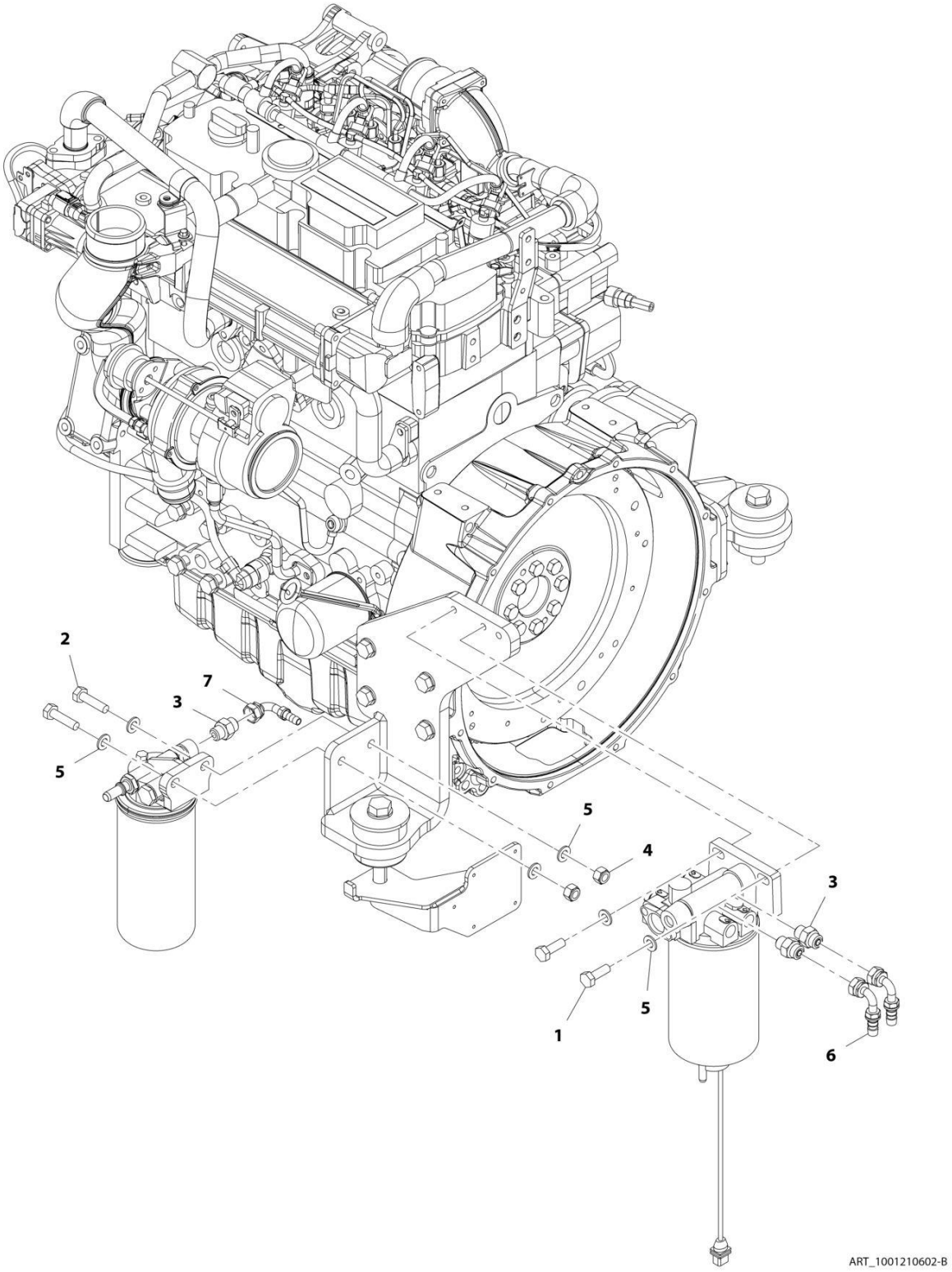


FIGURE 4-17. PRIMARY FUEL FILTER INSTALLATION (LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210602	Ref	Primary Fuel Filter Installation (LS)	B
1	0701014	2	Bolt, M10X30	
2	0701016	2	Bolt, M10X40	
3	2144606	3	Fitting, 90 ORFS	
4	3291005	2	Nut, Lock M10X1.5	
5	4812000	6	Washer, M10	
6	1001095301	2	Fitting, 90 ORFS	
7	1001133793	1	Fitting, 90 ORFS	

FIGURE 4-18. REMOTE FUEL PUMP INSTALLATION

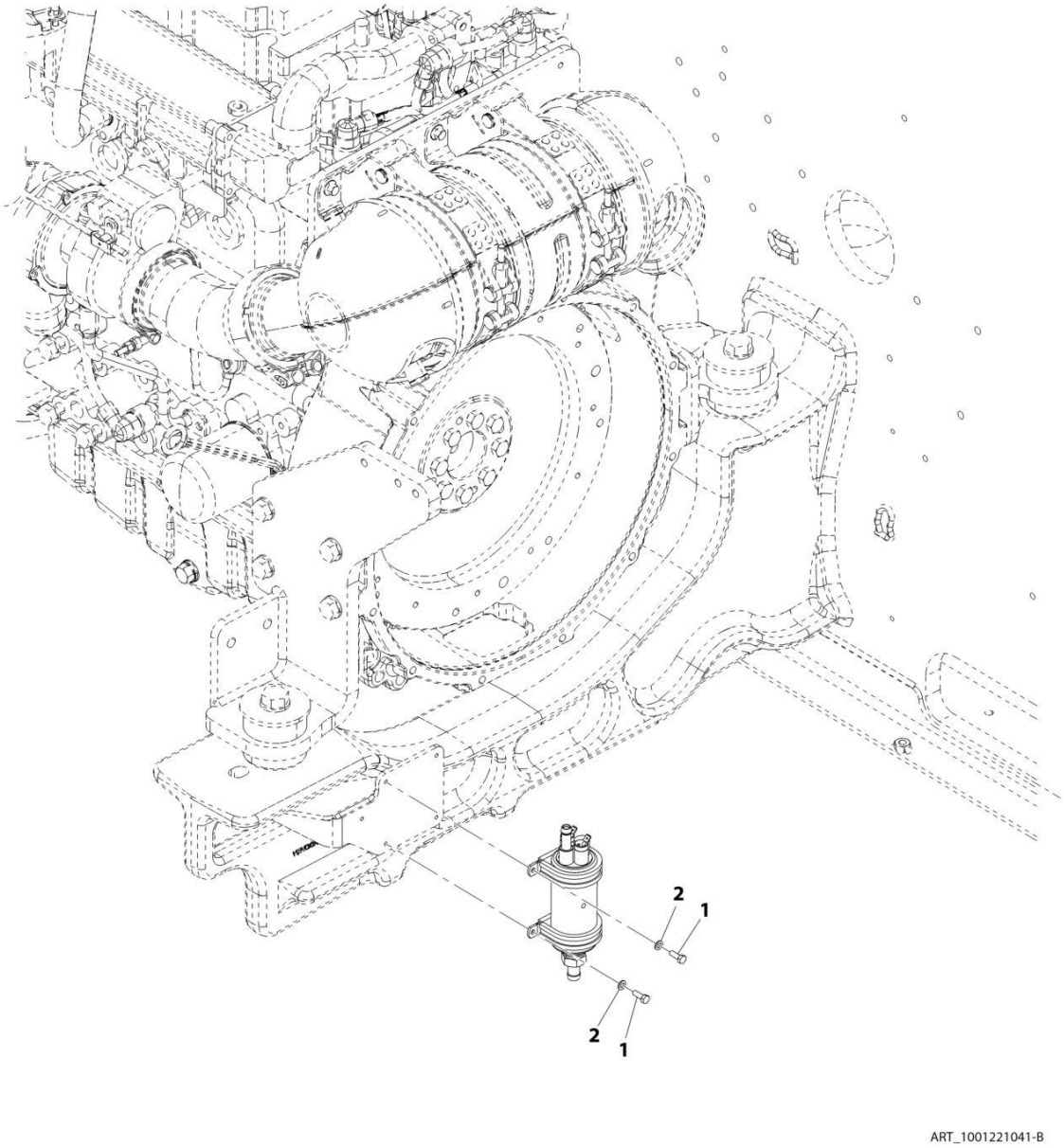


FIGURE 4-18. REMOTE FUEL PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221041	Ref	Remote Fuel Pump Installation	B
1	0760507	4	Bolt, M5X14	
2	4811600	4	Washer, M5	

FIGURE 4-19. FUEL LINES INSTALLATION (ULS)

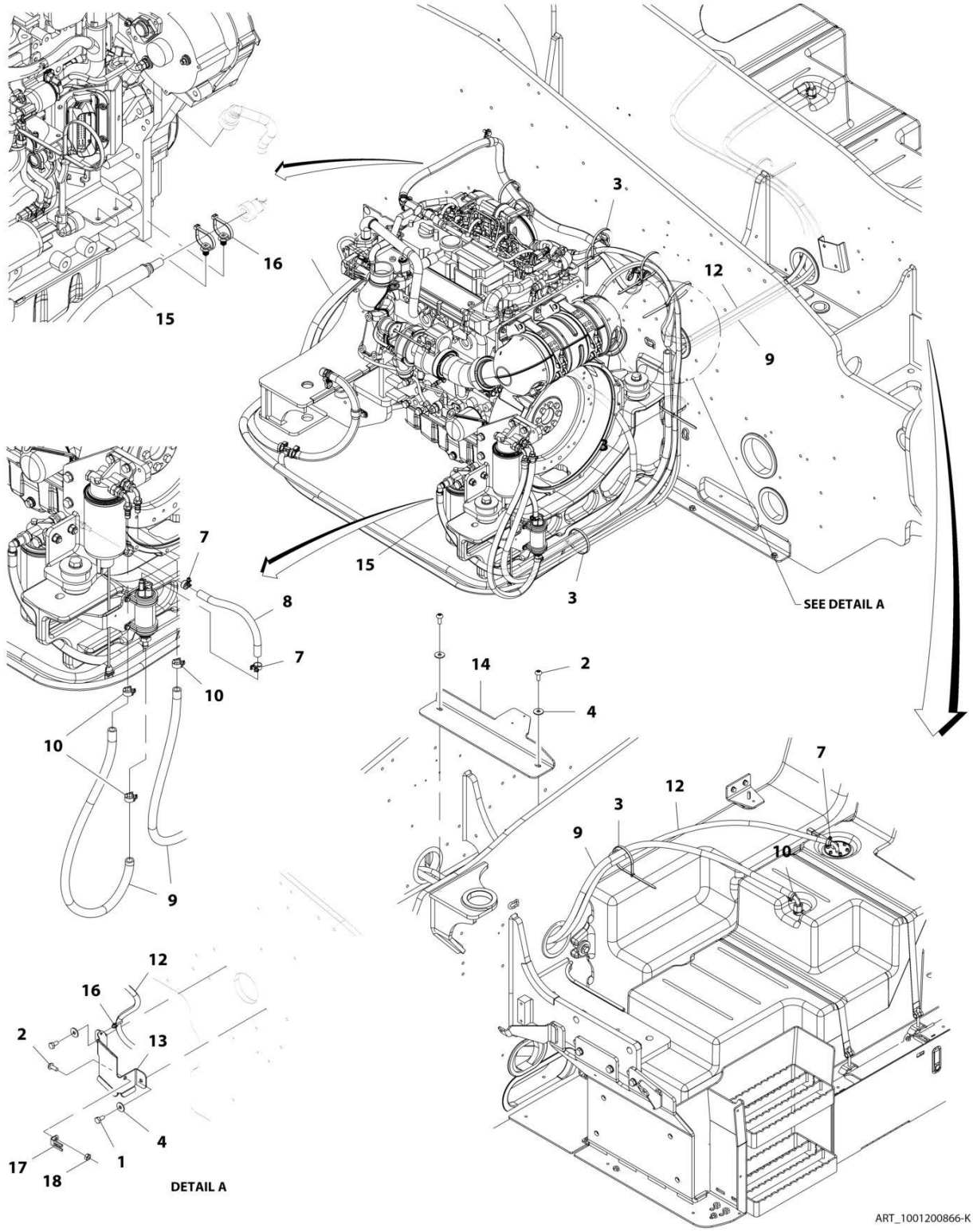


FIGURE 4-19. FUEL LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200866	Ref	Fuel Lines Installation	K
1	0761010	2	Bolt, M10X20	
2	1001009325	3	Screw	
3	1062255	6	Strap, Tie	
4	4812002	4	Washer, M10	
7	1001136975	3	Clamp	
8	1001165035	260 mm	Hose	
9	1001172755	4060 mm	Hose	
10	1001175568	4	Clip	
12	1001228248	1	Hose	
13	1001210870	1	Plate	
14	1001221868	1	Channel, Frame	
15	1001232850	1	Hose	
16	1001146588	3	Strap, Tie	
17	1001003305	1	Clip	
18	3291001	1	Nut, M10X1.5 Grade 8	

FIGURE 4-20. FUEL LINES INSTALLATION (LS)

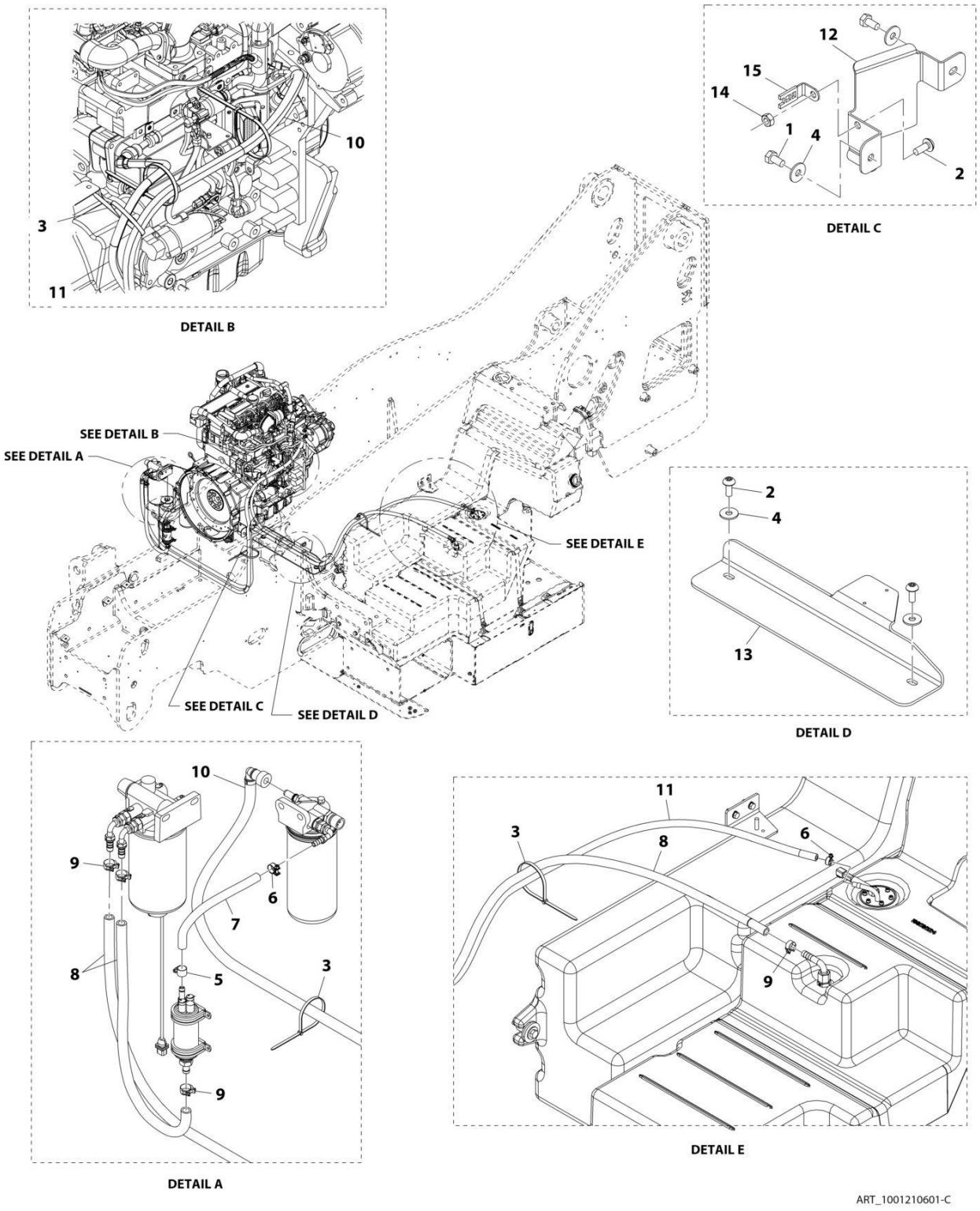


FIGURE 4-20. FUEL LINES INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210601	Ref	Fuel Line Installation	C
1	0761010	2	Bolt, M10X20	
2	1001009325	3	Screw, Torx Hd	
3	1062255	5	Strap, Tie	
4	4812002	4	Washer, M10	
5	8405006	1	Clamp	
6	1001136975	2	Clamp	
7	1001165035	235 mm	Hose	
8	1001172755	3946 mm	Hose	
9	1001175568	4	Clip	
10	1001200887	1	Hose	
11	1001228248	1	Hose	
12	1001210870	1	Plate	
13	1001221868	1	Channel, Hose	
14	3291001	1	Nut, M10X1.5 Grade 8	
15	1001003305	1	Clip	

FIGURE 4-21. FUEL LINES INSTALLATION (LS HIGH AMBIENT)

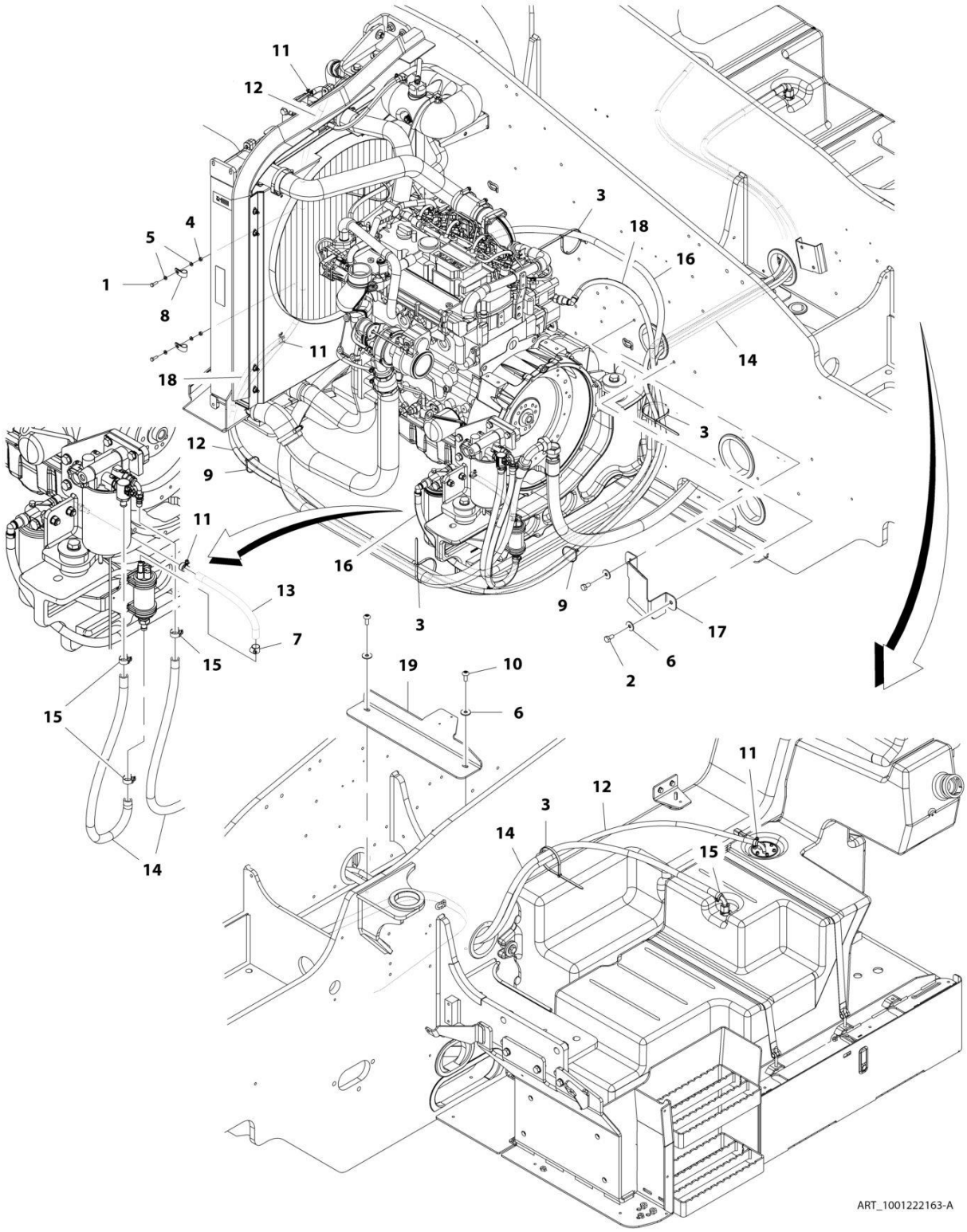


FIGURE 4-21. FUEL LINES INSTALLATION (LS HIGH AMBIENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222163	Ref	Fuel Lines Installation	A
1	0700610	2	Bolt, M6X20	
2	0761010	2	Bolt, M10X20	
3	1062255	4	Strap, Tie	
4	3290601	2	Nut, M6X1 Grade 8	
5	4811700	4	Washer, M6	
6	4812002	4	Washer, M10	
7	8405006	1	Clamp, Gear	
8	8406112	2	Clip, Tube	
9	1001008559	2	Strap, Cable	
10	1001009325	2	Screw	
11	1001136975	4	Clamp	
12	1001141400	5376 mm	Hose	
13	1001165035	235 mm	Hose	
14	1001172755	3946 mm	Hose	
15	1001175568	4	Clip	
16	1001200887	1	Hose	
17	1001210870	1	Plate, Hose Shield	
18	1001221702	1	Hose	
19	1001221868	1	Channel, Engine Lines	

FIGURE 4-22. HYDROSTATIC ADAPTOR INSTALLATION

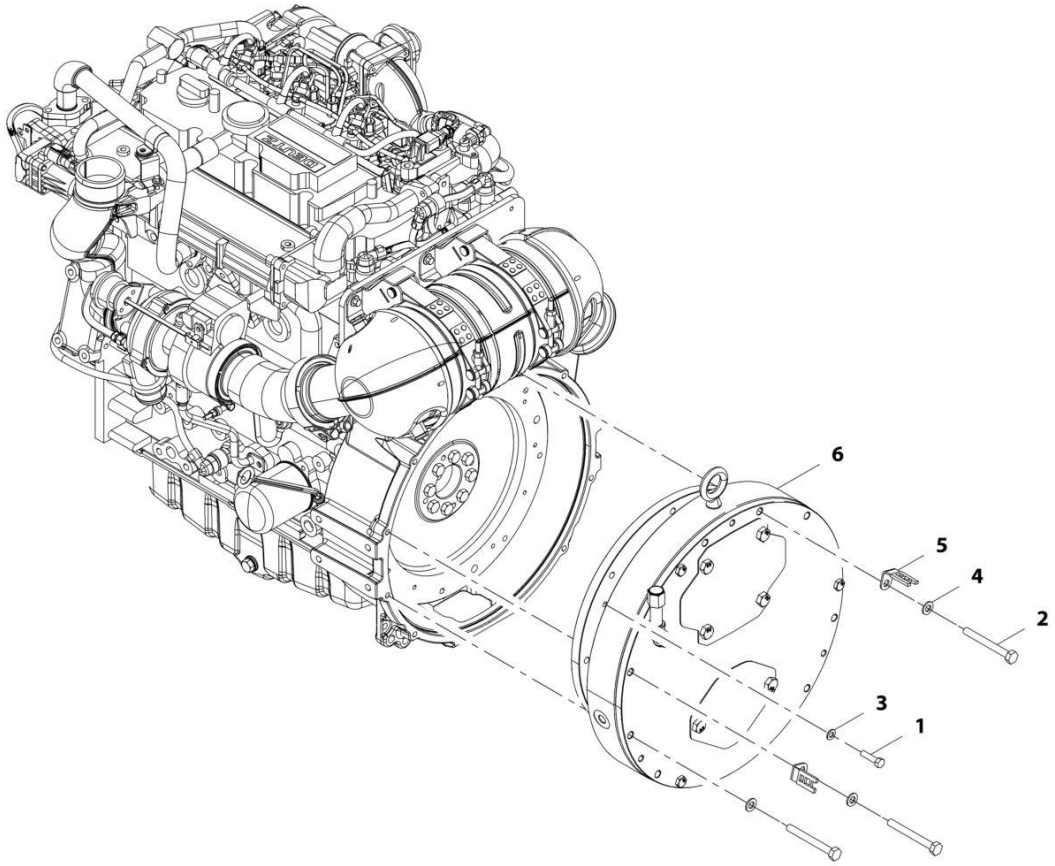


FIGURE 4-22. HYDROSTATIC ADAPTOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193703	Ref	Hydrostatic Adaptor Installation	D
1	0641510	6	Bolt, 5/16-18X1.25	
2	0701026	12	Bolt, M10X90	
3	4811900	6	Washer, M8	
4	4812000	10	Washer, M10	
5	1001003305	2	Clip	
6	1001193705	1	Assembly, Dual Drive Support (See Separate Breakdown in this Section)	

FIGURE 4-23. DUAL DRIVE SUPPORT ASSEMBLY

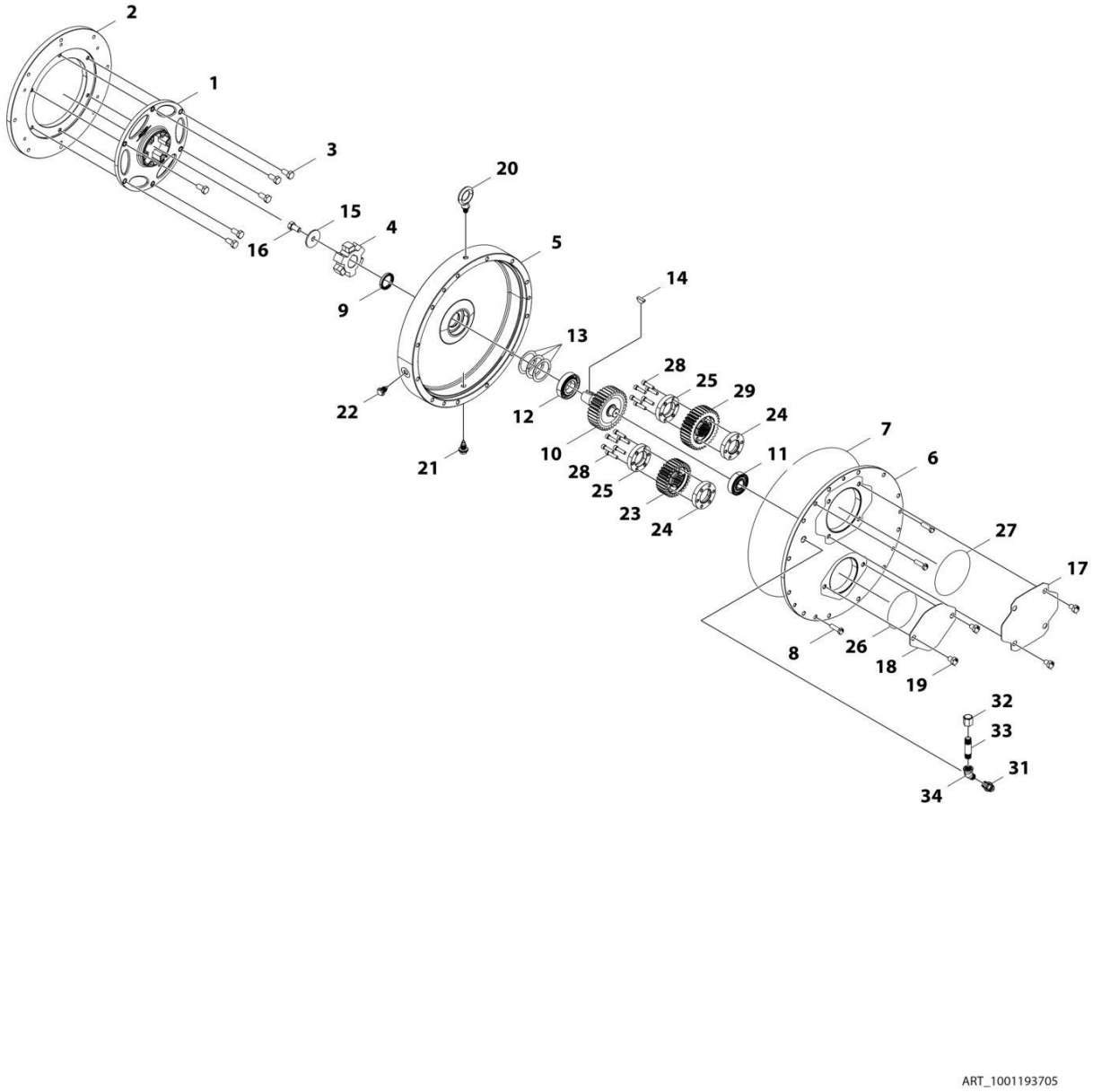


FIGURE 4-23. DUAL DRIVE SUPPORT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193705	Ref	Dual Drive Support Assembly	E
1	70028327	1	Plate, Flex	
2	70028328	1	Plate, Flywheel Adapter	
3	70028329	6	Bolt	
4	70028330	1	Hub, Flex	
5	70028331	1	Gear Box Half, Input Side	
6	70028332	1	Gear Box Half, Output Side	
7	70028333	1	O-Ring	
8	70028334	3	Bolt	
9	70028335	1	Seal, Shaft	
10	70028336	1	Gear, Input Shaft	
11	70028337	1	Bearing, Angular Contact	
12	70028338	1	Bearing, Angular Contact	
13	70028339	3	Washer	
14	70028340	1	Key	
15	70028341	1	Washer	
16	70028342	1	Bolt	
17	70028343	1	Cover, Pump Mount Implement	
18	70028344	1	Cover, Pump Mount Hydrastat	
19	70028345	6	Bolt	
20	70028346	1	Eyebolt, Modified	
21	70028347	1	Plug	
22	70028348	1	Plug	
23	70028349	1	Pump, Gear,30 Tooth	
24	70028350	2	Locking Ring, Tapered	
25	70028351	2	Locking Ring, Tapered	
26	70028352	1	O-Ring	
27	70028353	1	O-Ring	
28	70028354	12	Bolt	
29	70028355	1	Pump, Gear, 35 Tooth	
31	70028357	1	Adapter, 90	
32	70028358	1	Breather	
33	70028359	1	Nipple	
34	70028360	1	Adapter, 45	

FIGURE 4-24. HYDROSTATIC DRIVE PUMP INSTALLATION

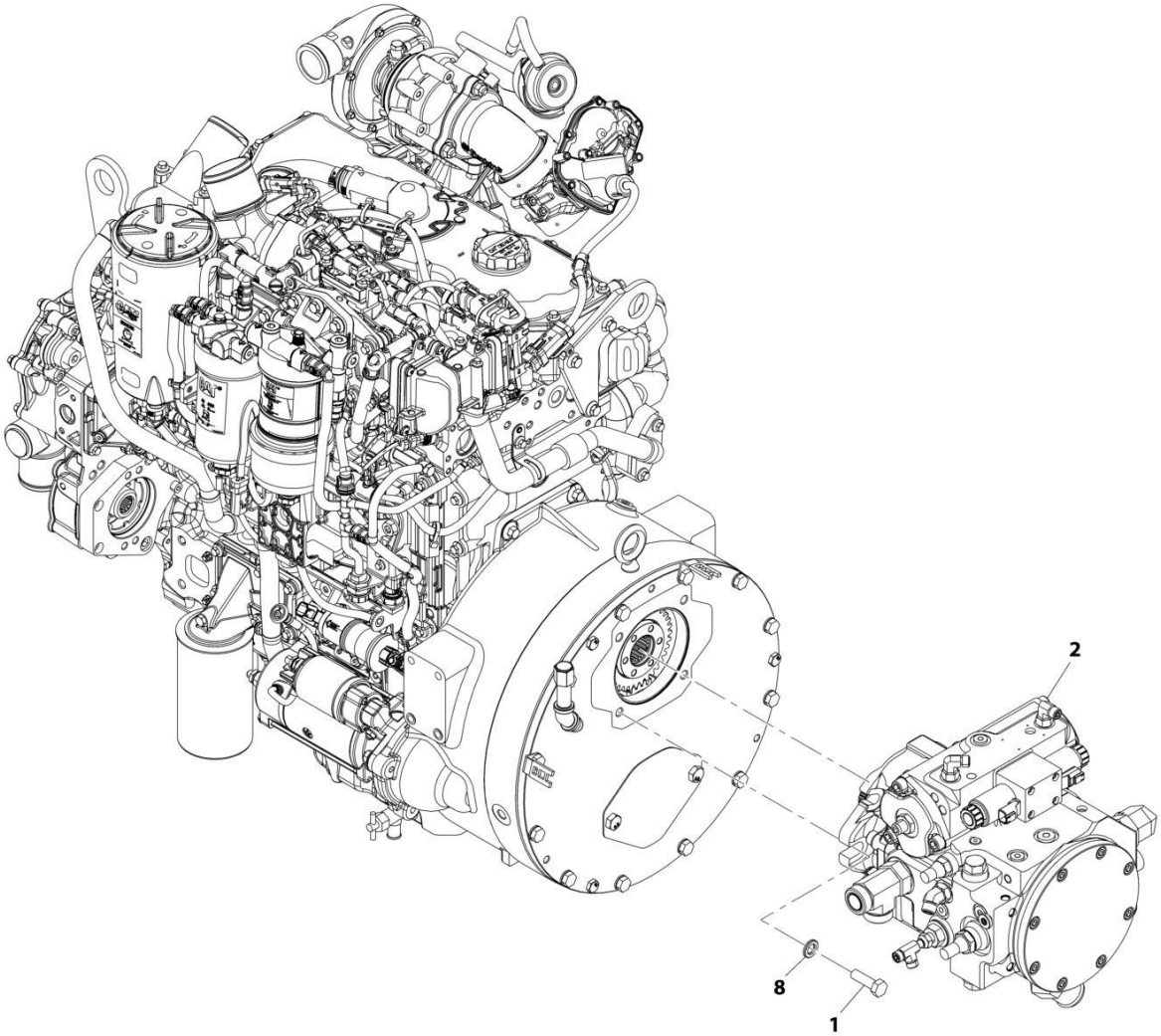


FIGURE 4-24. HYDROSTATIC DRIVE PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193704	Ref	Hydrostatic Drive Pump Installation	D
1	0711216	4	Bolt, M12X40	
2	1001210771	1	Assembly, Hydrostatic Drive Pump (See Separate Breakdown in this Section)	
8	4740532	4	Washer, M12	

FIGURE 4-25. HYDROSTATIC DRIVE PUMP ASSEMBLY

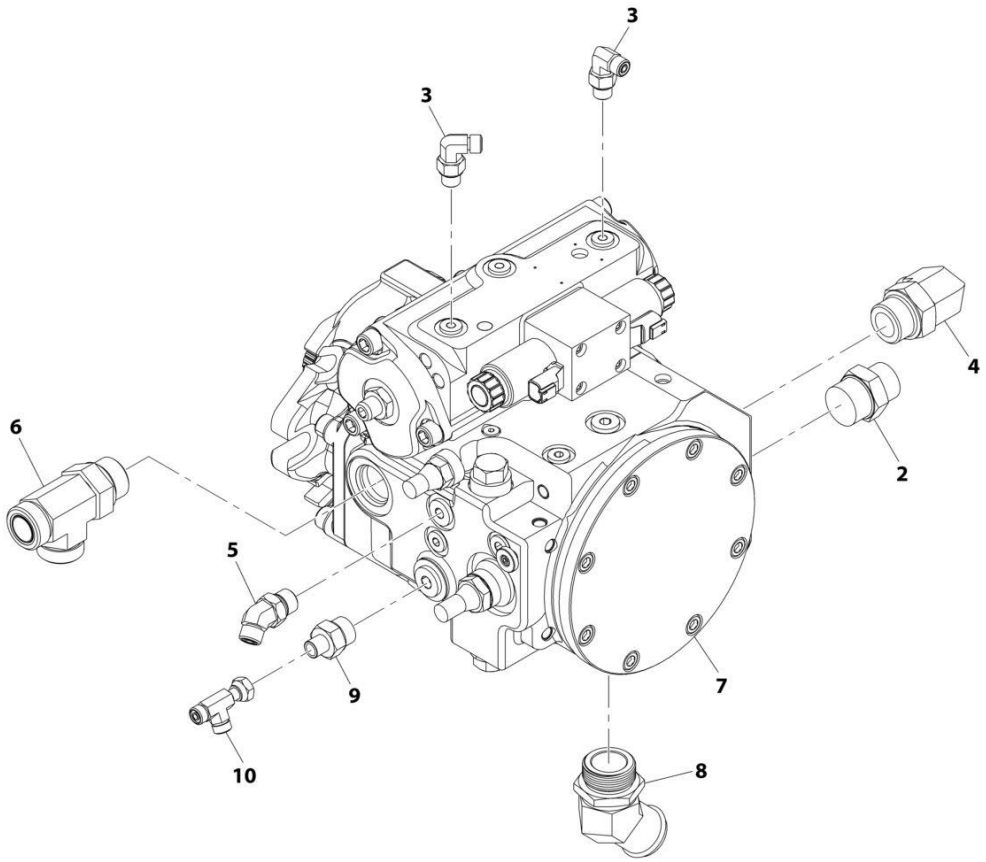


FIGURE 4-25. HYDROSTATIC DRIVE PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210771	Ref	Hydrostatic Drive Pump Assembly	C
2	2111216	1	Fitting, Straight ORFS	
3	2130406	2	Fitting, 90 ORFS	
4	2131216	1	Fitting, 90 ORFS	
5	2150608	1	Fitting, 45 ORFS	
6	2170316	1	Fitting, TEE ORFS	
7	1001193307	1	Pump, Hydrostatic Drive (See Separate Breakdown in HYDRAULIC COMPONENTS Section	
8	1001196664	1	Fitting, 45	
9	2110410	1	Fitting, Straight ORFS	
10	2170704	1	Fitting, Tee ORFS	

FIGURE 4-26. IMPLEMENT PUMP INSTALLATION

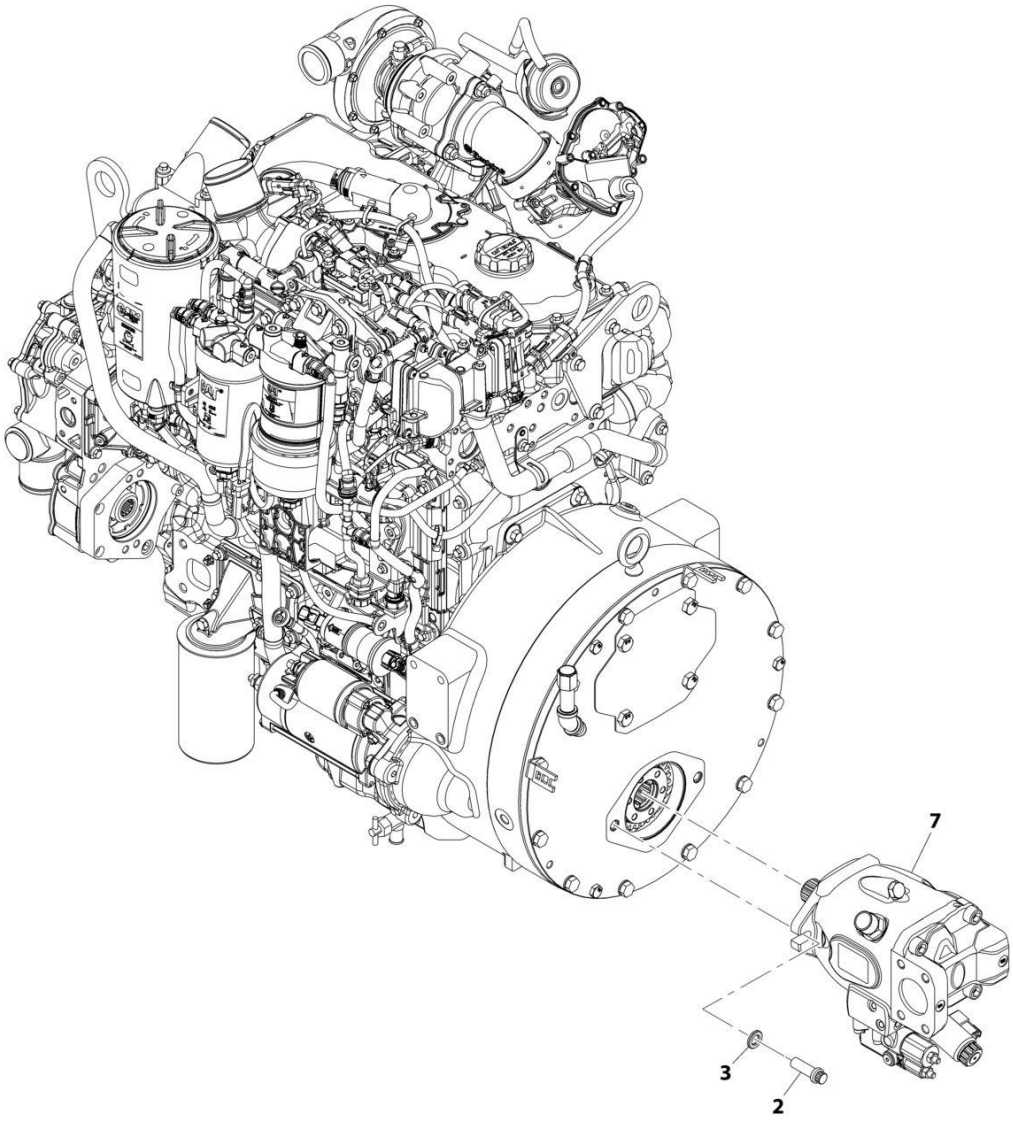
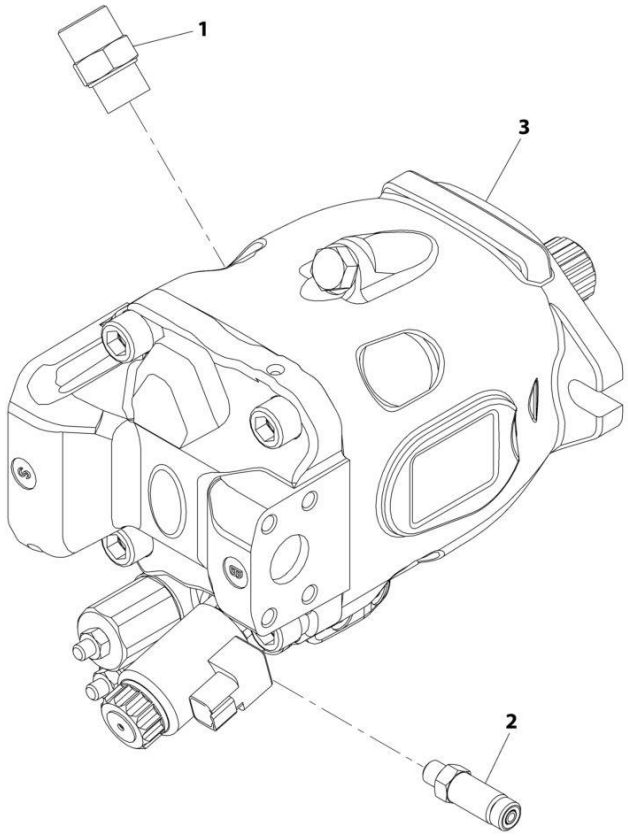


FIGURE 4-26. IMPLEMENT PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193393	Ref	Implement Pump Installation	E
2	1001238781	2	Screw Flange	
3	4740532	2	Washer	
7	1001212739	1	Assembly, Implement Pump (See Separate Breakdown in this Section)	

FIGURE 4-27. IMPLEMENT PUMP ASSEMBLY



ART_1001212739-A

FIGURE 4-27. IMPLEMENT PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212739	Ref	Implement Pump Assembly	A
1	2111010	1	Fitting, Straight ORFS	
2	2170104	1	Fitting, Straight ORFS	
3	1001180070	1	Pump, Implement (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 4-28. DEF COOLANT LINES INSTALLATION (ULS)

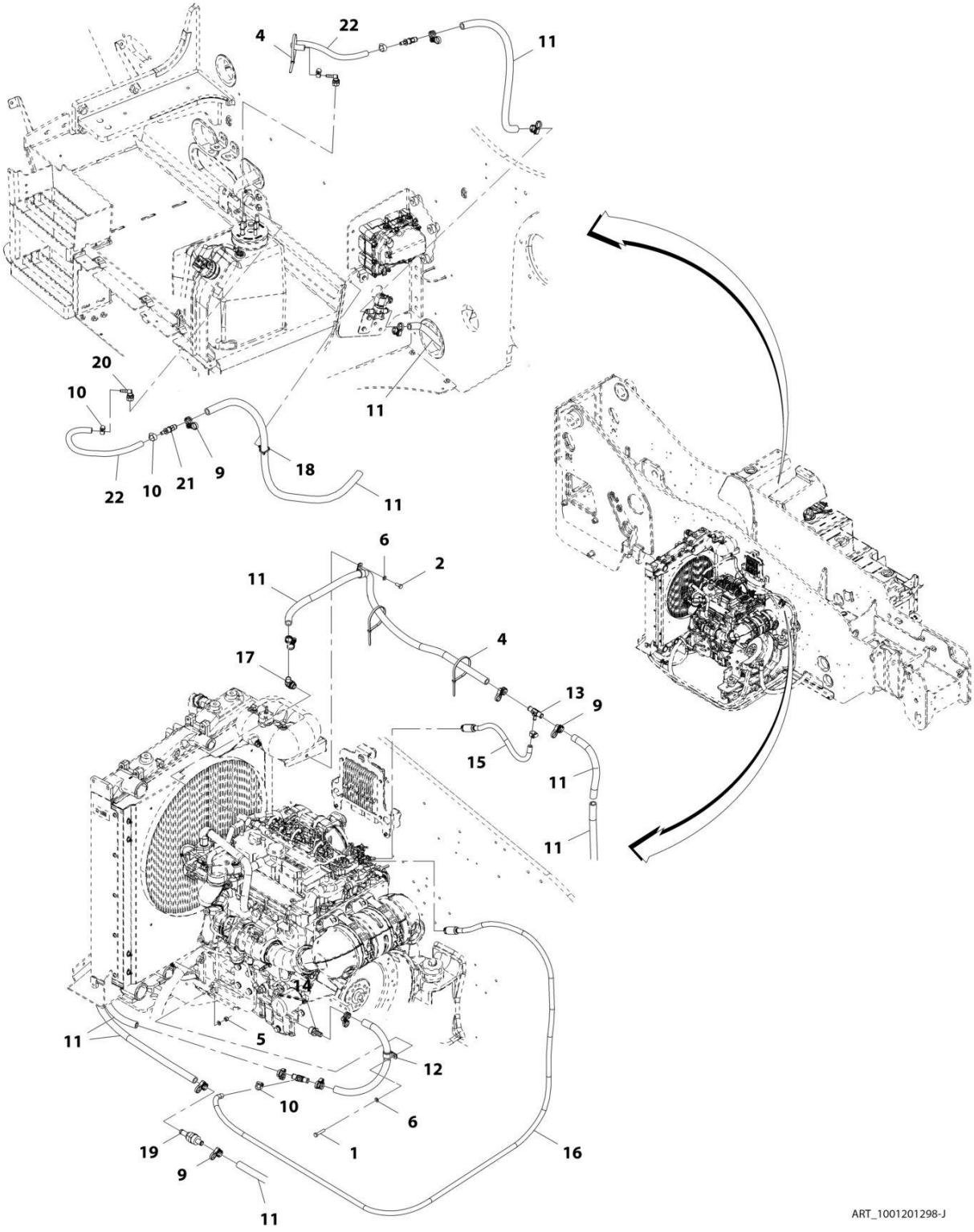


FIGURE 4-28. DEF COOLANT LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201298	Ref	DEF Coolant Lines Installation (ULS)	J
1	0700816	1	Bolt, M8X40	
2	0760810	1	Bolt, M8X20	
4	1062255	AR	Strap, Tie	
5	3290805	1	Nut, M8X1.25	
6	4811900	3	Washer, M8	
9	1001202526	12	Clamp	
10	8410013	6	Clamp	
11	82033995	9365 mm	Hose	
12	1001100319	2	Clip	
13	1001162212	2	Pipe	
14	1001167409	1	Pipe	
15	1001201299	1	Hose	
16	1001201300	1	Hose	
17	1001203005	1	Fitting, 45	
18	1001146588	1	Strap, Tie	
19	1001228872	1	Filter	
20	1001155823	2	Coupling	
21	1001238470	2	Adapter	
22	1001181625	870 mm	Hose	

FIGURE 4-29. COOLING PACKAGE INSTALLATION (ULS & LS NO HIGH AMBIENT)

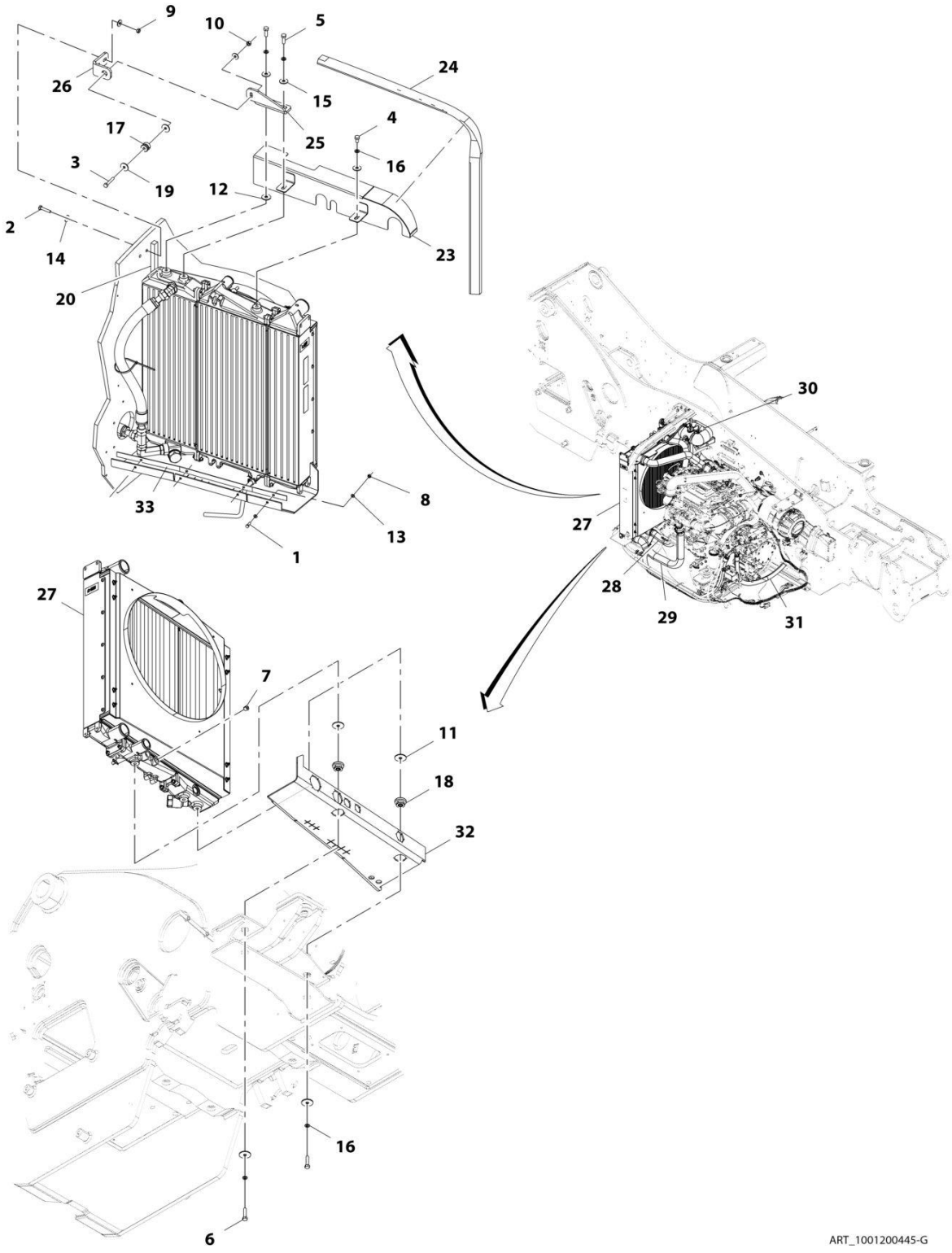


FIGURE 4-29. COOLING PACKAGE INSTALLATION (ULS & LS NO HIGH AMBIENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200445	Ref	Cooling Package Installation	G
1	0760812	4	Bolt,M8X25	
2	0701018	2	Bolt, M10X50	
3	0701020	1	Bolt, M10X60	
4	0761210	1	Bolt, M12X20	
5	0761215	2	Bolt, M12X35	
6	0761218	2	Bolt, M12X50	
7	2200223	1	Plug	
8	3290801	4	Nut, M8X1.25	
9	3291001	2	Nut, M10X1.5	
10	3291005	1	Nut, Lock M10X1.5	
11	4740274	4	Washer	
12	4740550	1	Washer, M12	
13	4811900	8	Washer, M8	
14	4812002	5	Washer, M10	
15	4812102	3	Washer, M12	
16	4832100	5	Washer, Lock M12	
17	8278020	1	Mount	
18	1001114803	2	Mount	
19	1001155540	2	Washer	
20	1001173457	1	Seal	
23	1001196191	1	Bracket, Air Baffle	
24	1001173452	1	Seal	
25	1001200498	1	Bracket, Radiator	
26	1001200499	1	Bracket, Frame	
27	1001201301	1	Radiator, (See Separate Breakdown in this Section)	
28	1001201302	Ref	Installation, Coolant Lines (See Separate Breakdown in this Section)	
29	1001201303	Ref	Installation, Radiator Lines (See Separate Breakdown in this Section)	
30	1001201304	Ref	Installation, Surge Tank (See Separate Breakdown in this Section)	
31	1001201305	Ref	Installation, Transmission Oil Cooler Lines (See Separate Breakdown in this Section)	
32	1001203947	1	Panel, Air Dam	
33	1001203948	1	Plate, Air Dam	

FIGURE 4-30. COOLING PACKAGE INSTALLATION (ULS & LS ASOV)

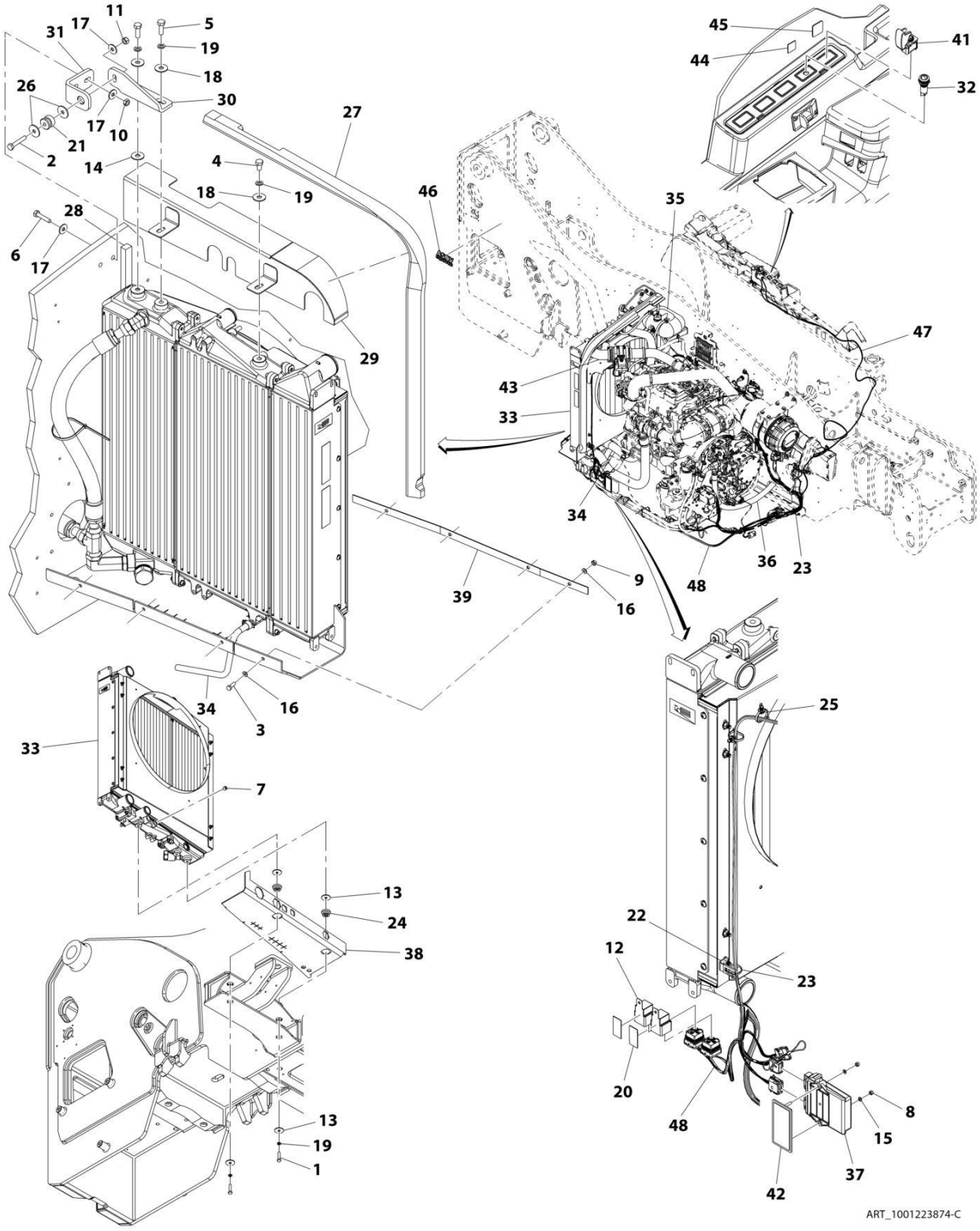


FIGURE 4-30. COOLING PACKAGE INSTALLATION (ULS & LS ASOV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223874	Ref	Cooling Package Installation	C
1	0701018	2	Bolt, M10X50	
2	0701020	1	Bolt, M10X60	
3	0760812	4	Bolt,M8X25	
4	0761210	1	Bolt, M12X20	
5	0761215	2	Bolt, M12X35	
6	0761218	2	Bolt, M12X50	
7	2200223	1	Plug	
8	3290505	2	Nut, M5X0.8	
9	3290801	4	Nut, M8X1.25	
10	3291001	2	Nut, M10X1.5	
11	3291005	1	Nut, Lock M10X1.5	
12	3740080	2	Relay	
13	4740274	4	Washer	
14	4740550	1	Washer, M12	
15	4811600	2	Washer, M5	
16	4811900	8	Washer, M8	
17	4812002	5	Washer, M10	
18	4812102	3	Washer, M12	
19	4832100	5	Washer, Lock M12	
20	7169541	AR	Tape	
21	8278020	1	Mount	
22	1001003305	1	Clip	
23	1001008559	4	Strap, Cable	
24	1001114803	2	Mount	
25	1001146588	2	Strap, Cable	
26	1001155540	2	Washer	
27	1001173452	1	Seal, Foam Gasket	
28	1001173457	1	Seal	
29	1001196191	1	Bracket, Air Baffle	
30	1001200498	1	Bracket, Radiator	
31	1001200499	1	Bracket, Frame	
32	1001200631	1	Lamp, LED Indicator	
33	1001201301	1	Radiator, (See Separate Breakdown in this Section)	
34	1001201302	Ref	Installation, Coolant Lines (See Separate Breakdown in this Section)	
35	1001201304	Ref	Installation, Surge Tank (See Separate Breakdown in this Section)	
36	1001201305	Ref	Installation, Transmission Oil Cooler Lines (See Separate Breakdown in this Section)	
37	1001203181	1	Accessory, Control	
38	1001203947	1	Panel, Air Dam	
39	1001203948	1	Plate, Air Dam	
41	1001215941	1	Switch	
42	1001219082	1	Bracket	
43	1001223869	1	Installation, Radiator Lines (See Separate Breakdown in this Section)	
44	1001227077	1	Decal, Air Shut Off	
45	1001227964	1	Decal, ASOV Test	
46	1001228643	1	Decal, ASOV Equipped	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001231407	1	Harness, POSI Air Shutoff (See Separate Breakdown in Electrical Section)	
48	1001231483	1	Harness, POSI Air Shutoff (See Separate Breakdown in Electrical Section)	

FIGURE 4-31. COOLING PACKAGE INSTALLATION (LS HIGH AMBIENT)

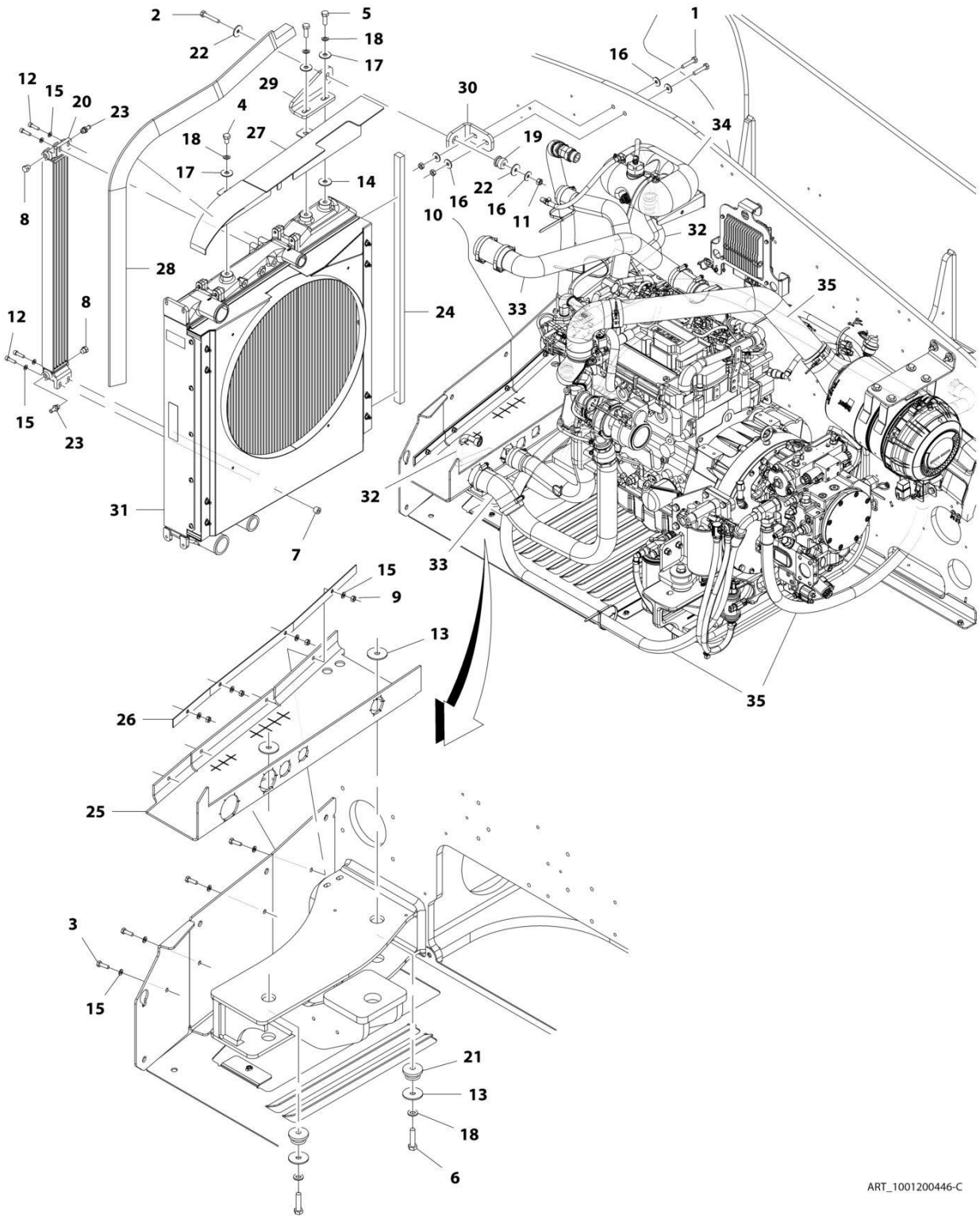


FIGURE 4-31. COOLING PACKAGE INSTALLATION (LS HIGH AMBIENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200446	Ref	Cooling Package Installation (LS)	C
1	0701018	2	Bolt, M8X50	
2	0701020	1	Bolt, M10X60	
3	0760812	4	Bolt, M8X25	
4	0761210	1	Bolt, M12X20	
5	0761215	2	Bolt, M12X35	
6	0761218	2	Bolt, M12X50	
7	2200223	1	Plug	
8	2220237	2	Plug	
9	3290801	4	Nut, M8X1.25 Grade 8	
10	3291001	2	Nut, M10X1.5 Grade 8	
11	3291005	1	Nut, Lock M0X1.5 Grade 8	
12	4031910	4	Bolt, M8X30	
13	4740274	4	Washer	
14	4740550	1	Washer, M12	
15	4811900	12	Washer, M8	
16	4812002	5	Washer, M10	
17	4812102	3	Washer, M12	
18	4832100	5	Washer, Lock M12	
19	8278020	1	Mount	
20	1001220337	1	Radiator, Fuel Cooler	
21	1001114803	2	Mount, Isolator	
22	1001155540	2	Washer	
23	1001168030	2	Barb, Hose	
24	1001173457	1	Seal, Foam Gasket	
25	1001203947	1	Panel	
26	1001203948	1	Plate	
27	1001196191	1	Bracket	
28	1001196193	1	Seal, Foam Gasket	
29	1001200498	1	Bracket	
30	1001200499	1	Bracket	
31	1001201301	1	Radiator, Cooling Package (See Separate Breakdown in this Section)	
32	1001201302	1	Installation, Coolant Lines (ULS) (See Separate Breakdown in this Section)	
33	1001201303	1	Installation, CAC Lines (See Separate Breakdown in this Section)	
34	1001201304	1	Installation, Surge Tank (See Separate Breakdown in this Section)	
35	1001201305	1	Installation, TOC Lines (See Separate Breakdown in this Section)	

FIGURE 4-32. RADIATOR - COOLING PACKAGE

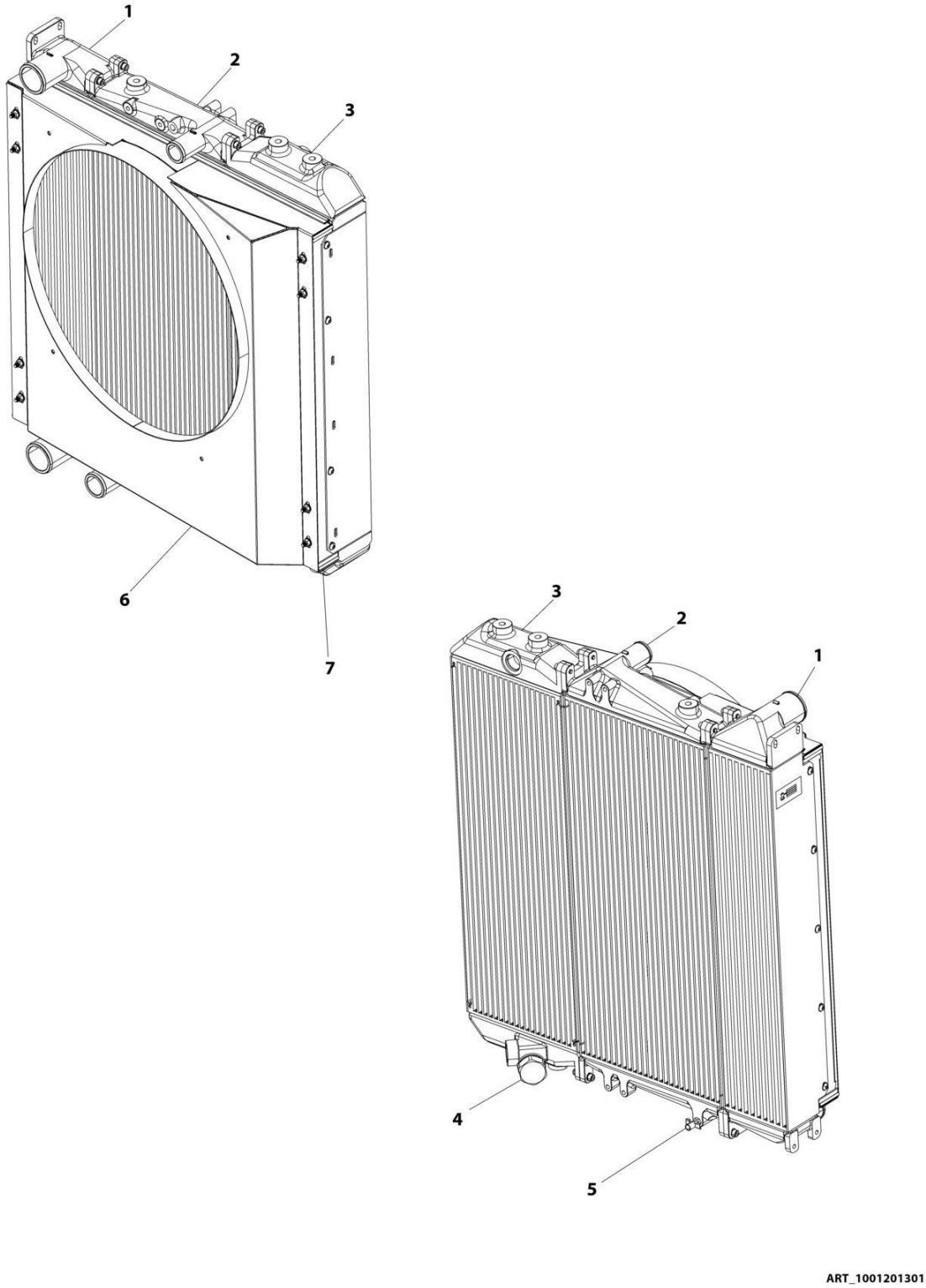


FIGURE 4-32. RADIATOR - COOLING PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201301	Ref	RADIATOR COOLLING PACKAGE	D
1	70026353	1	Cooler, Air Charge	
2	70026354	1	Radiator	
3	70028550	1	Cooler, Hydraulic Oil	
4	70028548	1	Valve, Bypass	
5	70026081	1	Petcock	
6	70028549	1	Shroud	
7	70026359	2	Bracket, Shroud Mounting	

FIGURE 4-33. RADIATOR LINES INSTALLATION (ALL EXCEPT ULS & LS ASOV)

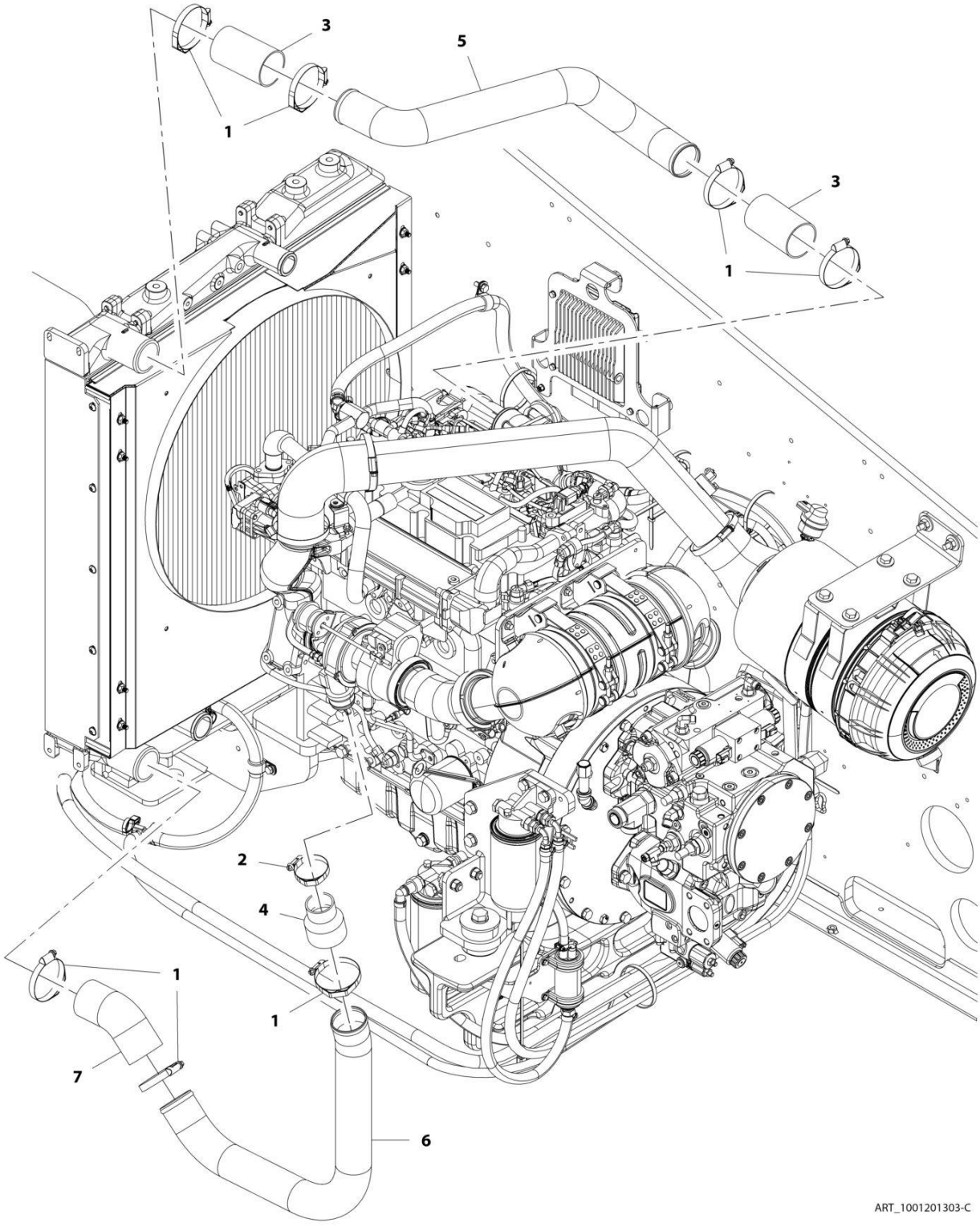


FIGURE 4-33. RADIATOR LINES INSTALLATION (ALL EXCEPT ULS & LS ASOV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201303	Ref	Radiator Lines Installation	C
1	1001215022	7	Clamp	
2	1001215024	1	Clamp	
3	1001114495	2	Hose	
4	1001173528	1	Coupling, Reducer	
5	1001201314	1	Pipe	
6	1001201315	1	Pipe	
7	1001201316	1	Elbow, 45	

FIGURE 4-34. RADIATOR LINES INSTALLATION (ULS & LS ASOV)

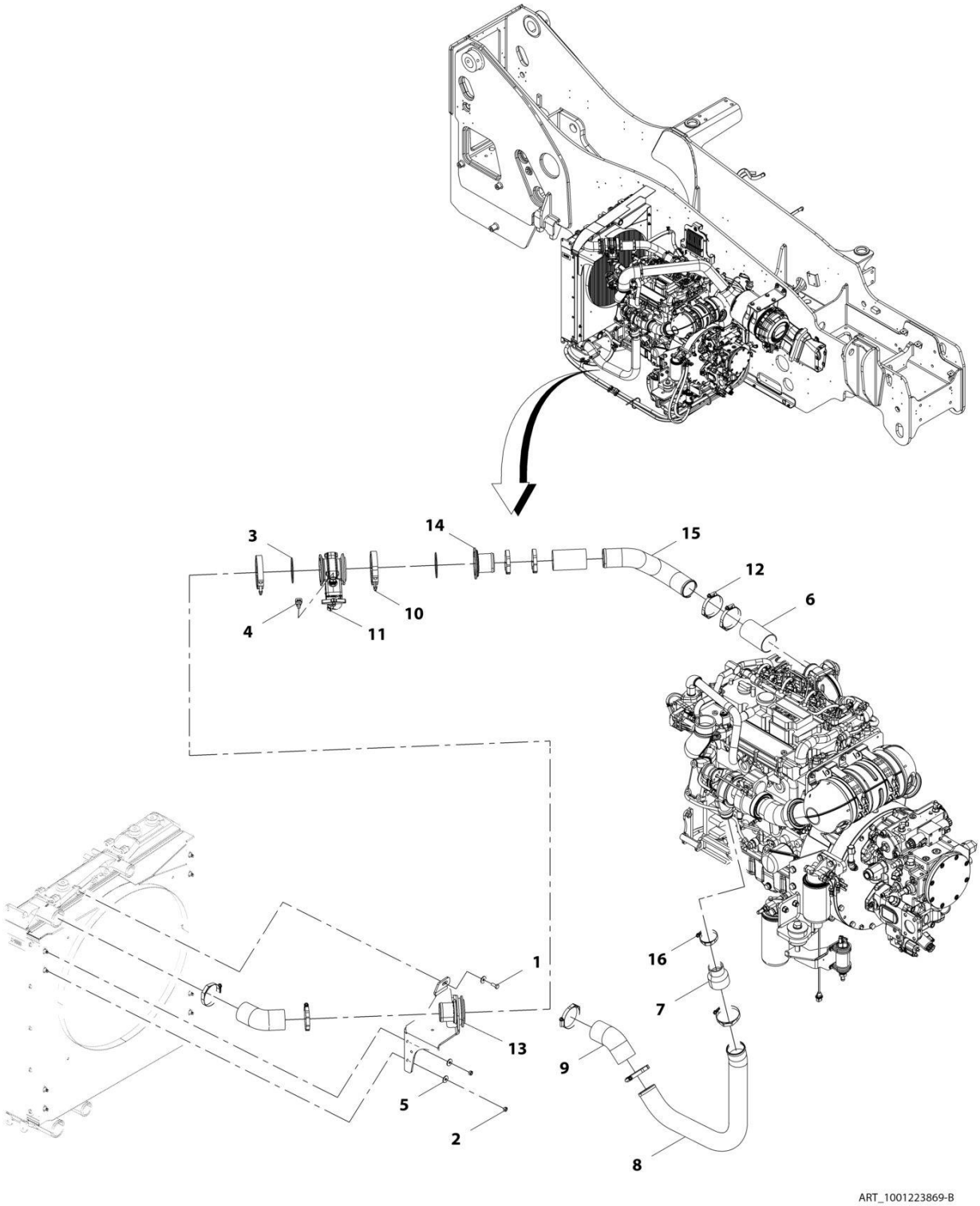


FIGURE 4-34. RADIATOR LINES INSTALLATION (ULS & LS ASOV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223869	Ref	CAC Lines Installation	B
1	0760810	1	Bolt, M8X20	
2	3290801	2	Nut, M8X1.25	
3	3790152	2	Ring	
4	4460742	1	Connector	
5	4811902	3	Washer, M8	
6	1001114495	2	Hose	
7	1001173528	1	Fitting, Straight	
8	1001201315	1	Pipe	
9	1001201316	2	Hose	
10	1001202247	2	Clamp	
11	1001204032	1	Valve, Shut Off (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
12	1001215022	9	Clamp	
13	1001223618	1	Valve, ASO (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
14	1001223628	1	Valve, ASO	
15	1001223645	1	Pipe	
16	1001215024	1	Clamp	

FIGURE 4-35. COOLANT LINES INSTALLATION

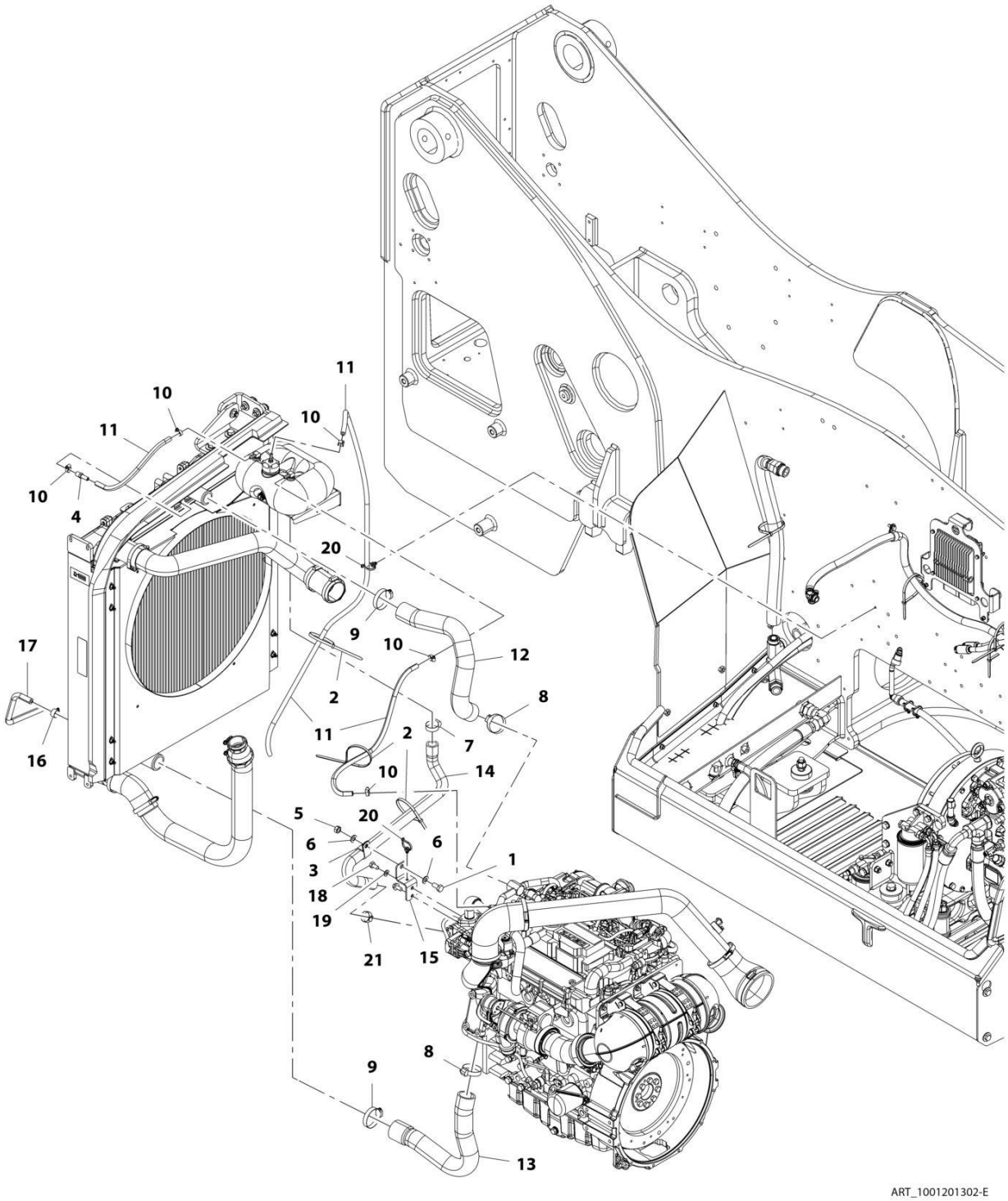
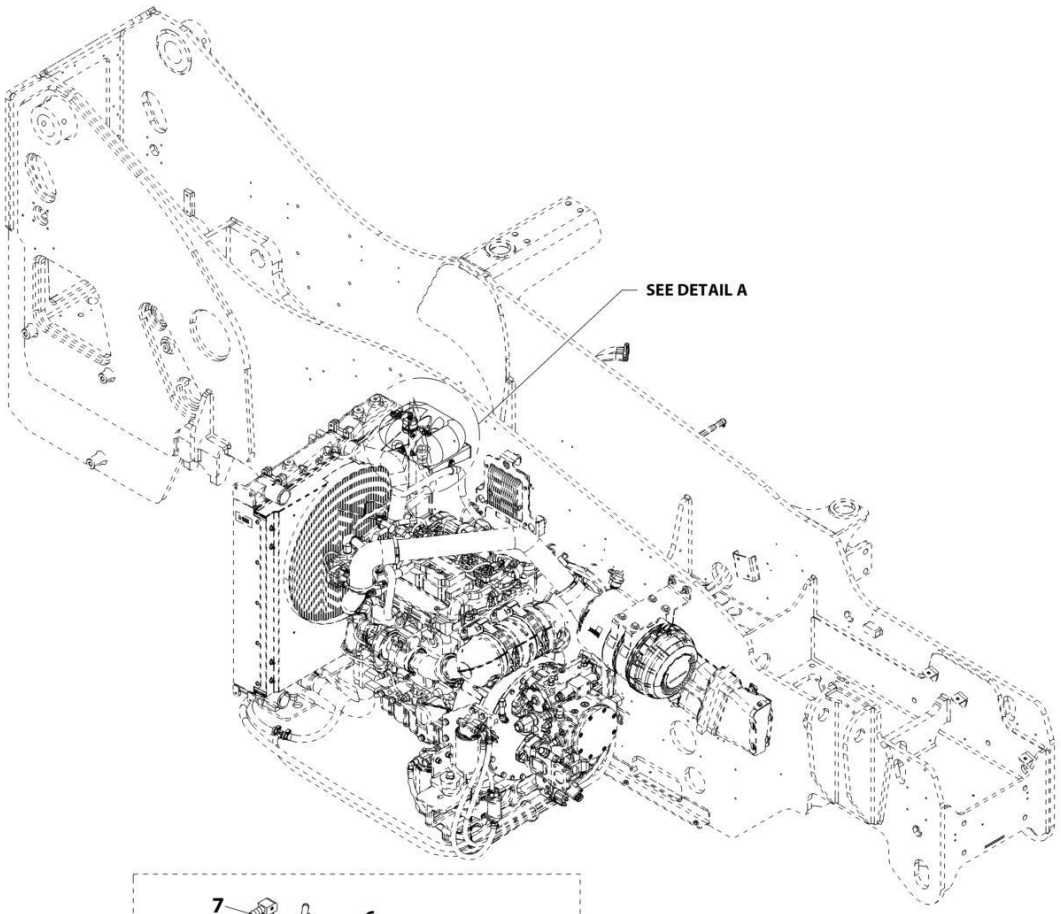
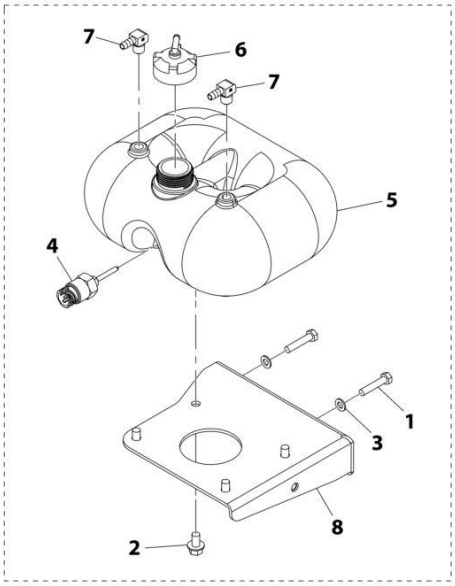


FIGURE 4-35. COOLANT LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201302	Ref	Coolant Lines Installation	E
1	0761212	1	Bolt, M12X25	
2	1062255	3	Strap, Tie	
3	1320060	1	Clamp, Hose	
4	2220767	1	Fitting	
5	3291201	1	Nut, M12	
6	4812100	2	Washer, M12	
7	8405101	1	Clamp, Gear	
8	8405104	2	Clamp, Gear	
9	8405201	2	Clamp, Gear	
10	8405009	5	Clamp, Gear	
11	1001180542	2465 mm	Hose	
12	1001217762	1	Hose	
13	1001201309	1	Hose	
14	1001217763	1	Hose	
15	1001217761	1	Bracket	
16	8405006	1	Clamp, Gear	
17	1001180553	370 mm	Hose	
18	0761010	1	Bolt, M12X20	
19	4812000	1	Washer, M10	
20	1001146588	2	Strap, Tie	
21	8405007	1	Clamp, Gear	

FIGURE 4-36. SURGE TANK INSTALLATION





DETAIL A

ART_1001201304-B

FIGURE 4-36. SURGE TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201304	Ref	Surge Tank Installation	B
1	0700816	2	Bolt, M8X40	
2	0791605	4	Screw	
3	4811900	2	Washer, M8	
4	1001138827	1	Sensor, Coolant Level	
5	1001128144	1	Tank, Coolant	
6	1001128341	1	Cap	
7	1001169368	2	Fitting, Hose Barb	
8	1001201317	1	Bracket, Coolant Tank	

FIGURE 4-37. TRANSMISION OIL COOLER LINES INSTALLATION (ALL EXCEPT ULS TUV)

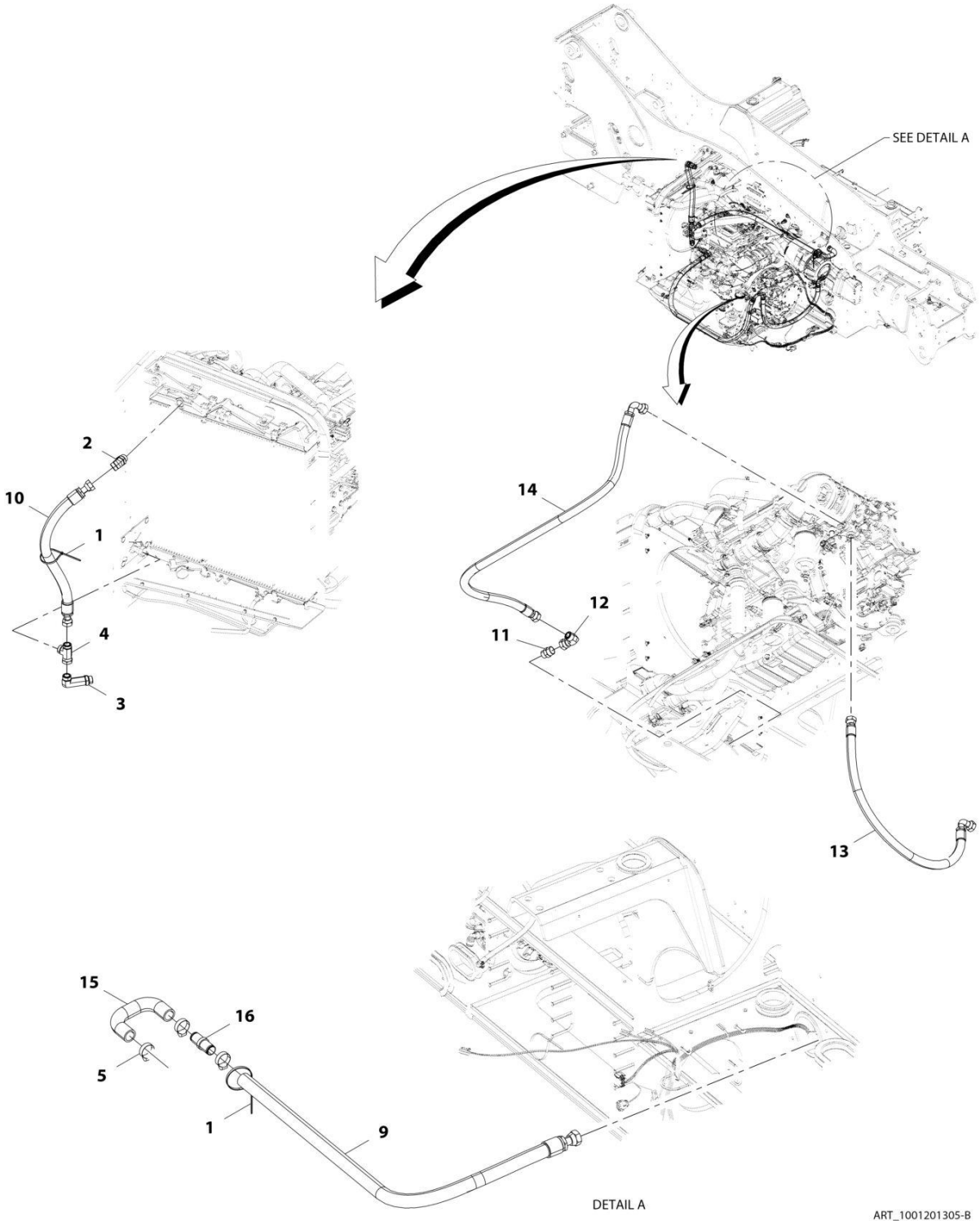


FIGURE 4-37. TRANSMISION OIL COOLER LINES INSTALLATION (ALL EXCEPT ULS TUV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201305	Ref	Transmission Oil Cooler Lines Installation	B
1	1062255	AR	Strap, Tie	
2	2151616	1	Fitting, 45 ORFS	
3	2170216	1	Fitting, 90 ORFS	
4	2170716	1	Fitting, Tee ORFS	
5	8405102	3	Clamp, Gear	
9	1001205564	1	Hose	
10	1001205565	1	Hose	
11	2111616	1	Fitting, Straight ORFS	
12	2172116	1	Fitting, 90 ORFS	
13	1001211616	1	Hose	
14	1001211617	1	Hose	
15	1001212920	1	Hose	
16	1001212921	1	Fitting, Straight	

FIGURE 4-38. FAN GUARD INSTALLATION

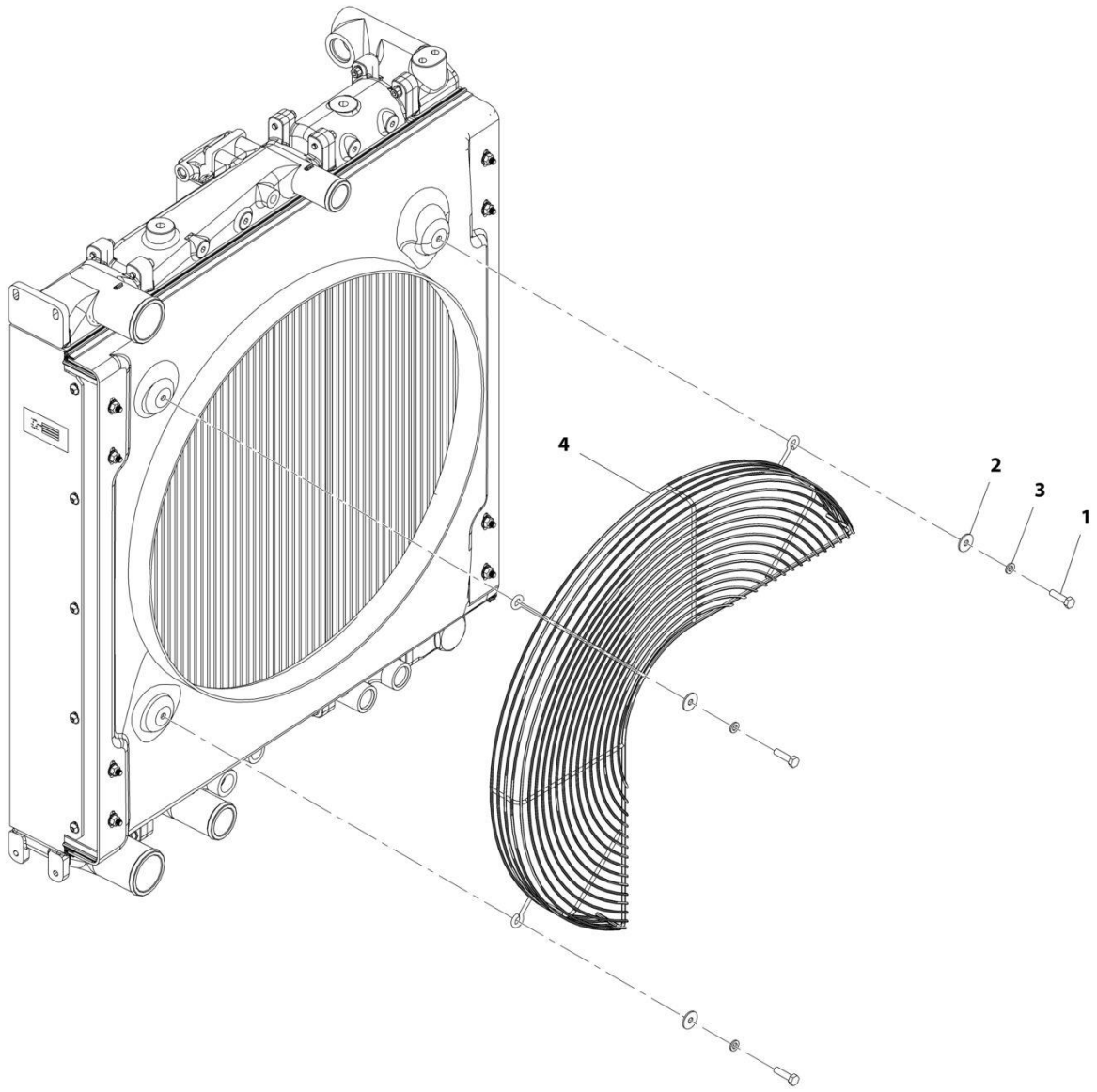
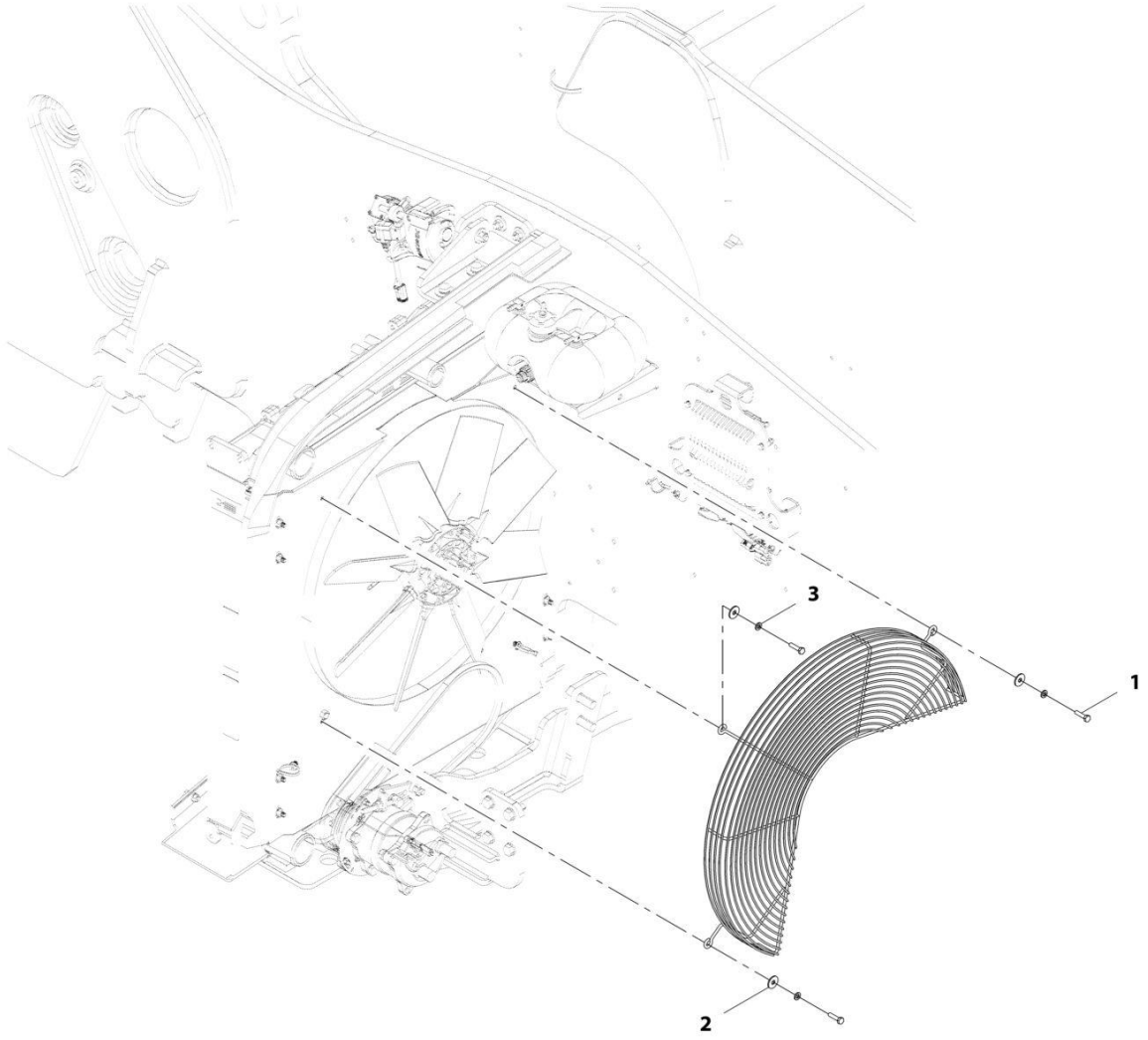


FIGURE 4-38. FAN GUARD INSTALLATION

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

FIGURE 4-39. FAN GUARD (REVERSING) INSTALLATION



ART_1001217754-B

FIGURE 4-39. FAN GUARD (REVERSING) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217754	1	Fan Guard (Reversing) Installation	B
1	0700814	3	Bolt, M8X30	
2	4811902	3	Washer, M8	
3	4831900	3	Washer, Lock M8	
4	1001217755	1	Grill	

FIGURE 4-40. COOLING FAN INSTALLATION (NO HIGH AMBIENT)

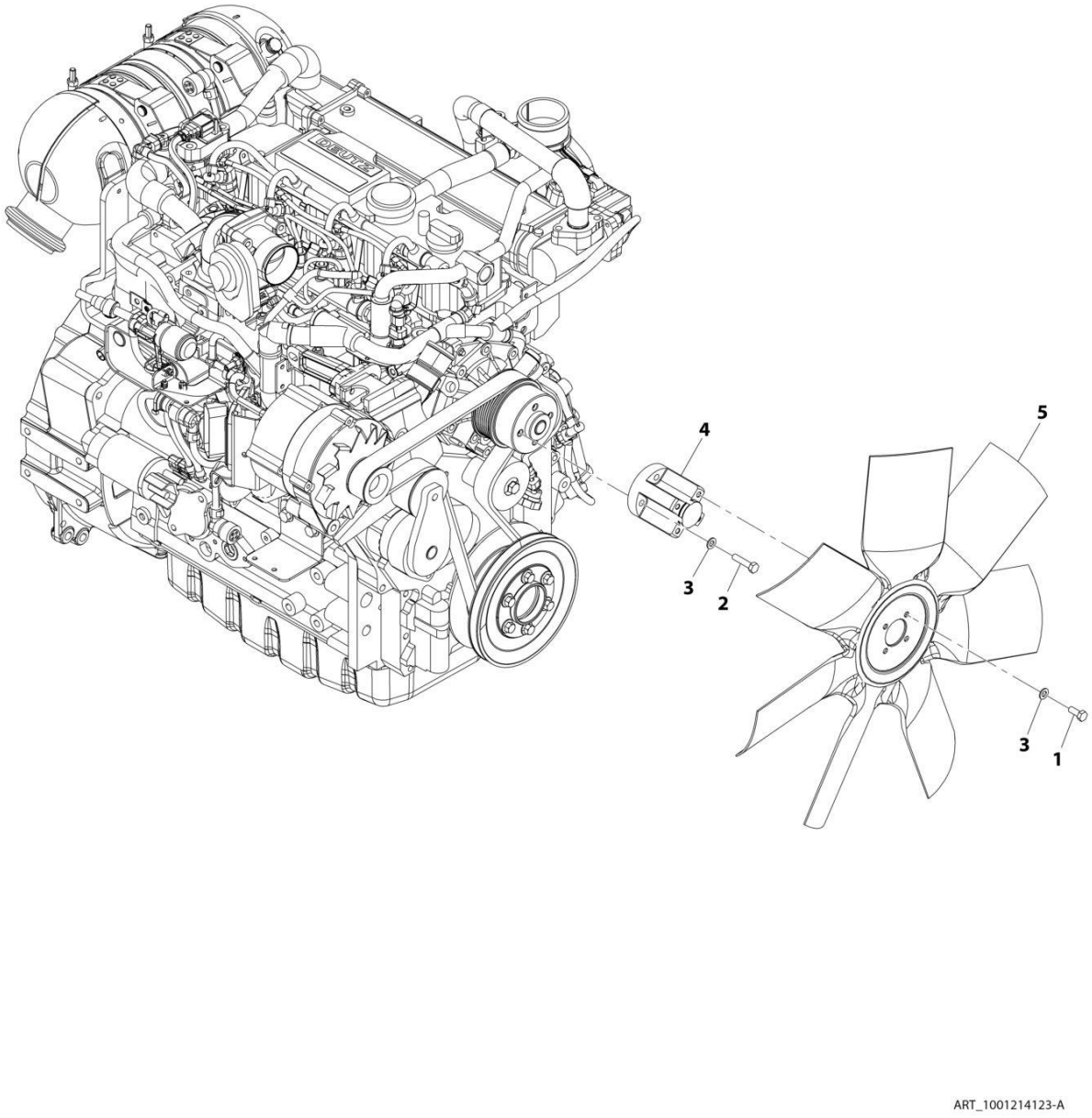


FIGURE 4-40. COOLING FAN INSTALLATION (NO HIGH AMBIENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214123	Ref	Cooling Fan Installation	A
1	0760810	4	Bolt, M8X20	
2	0770815	4	Bolt, M8X35 Grade 10.9	
3	4811900	8	Washer, M8	
4	1001170311	1	Adapter, Fan	
5	1001185026	1	Fan	

FIGURE 4-41. COOLING FAN INSTALLATION (HIGH AMBIENT)

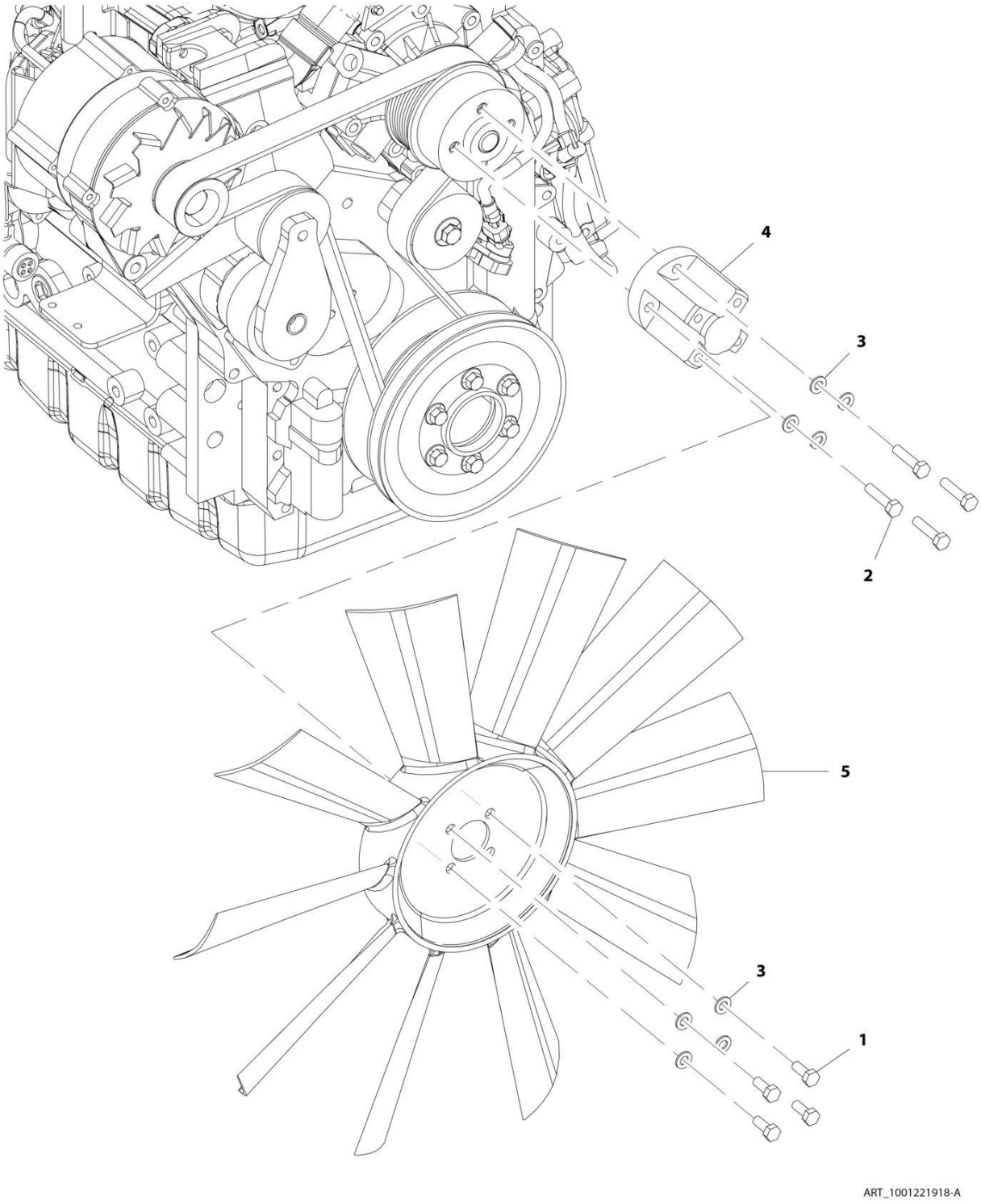


FIGURE 4-41. COOLING FAN INSTALLATION (HIGH AMBIENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221918	Ref	Cooling Fan Installation	A
1	0760810	4	Bolt, M8X20	
2	0770815	4	Bolt, M8X35 Grade 10.9	
3	4811900	8	Washer, M8	
4	1001170311	1	Adapter, Fan Hub	
5	1001148307	1	Fan, 23IN	

FIGURE 4-42. COOLING FAN (REVERSING) INSTALLATION

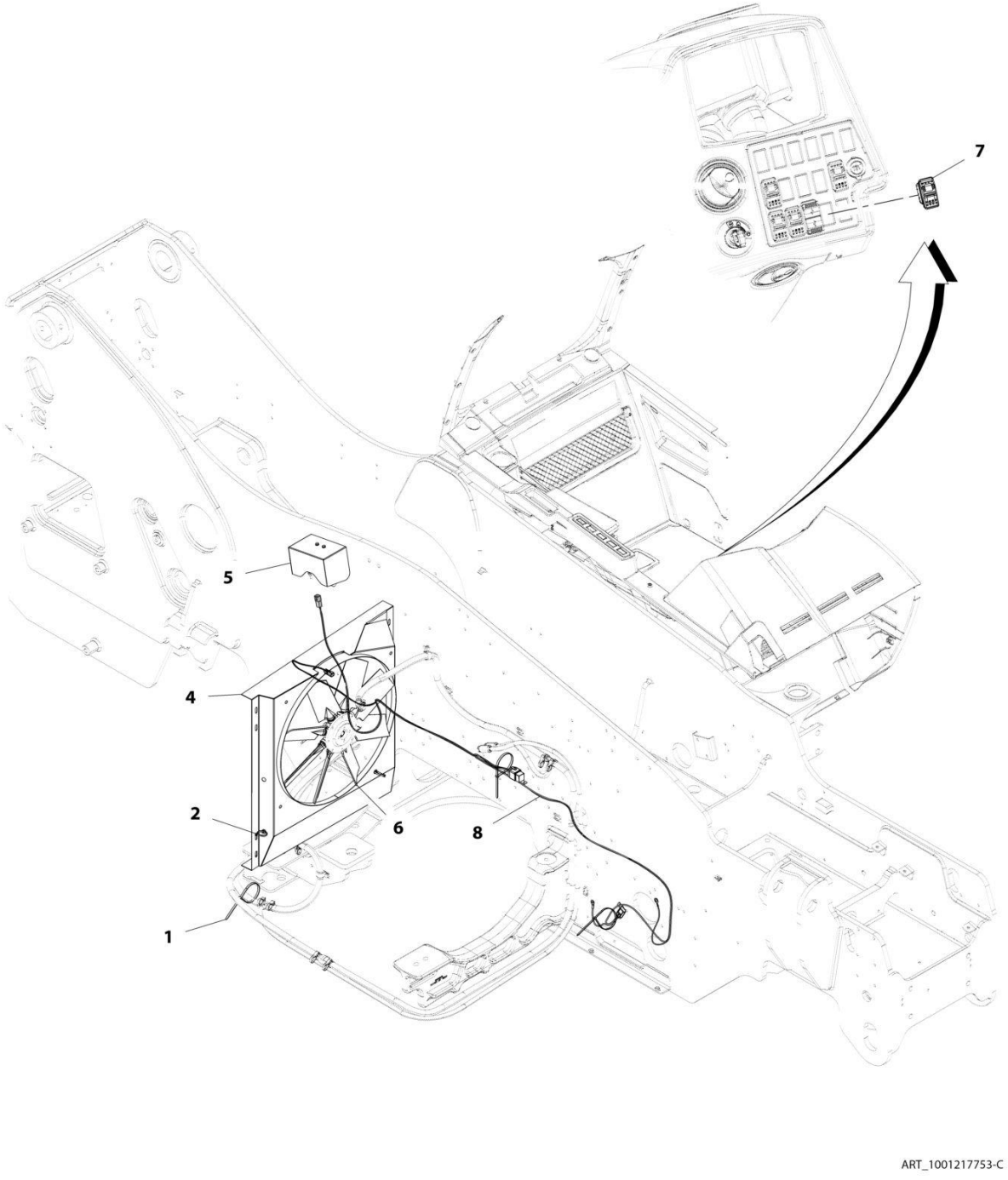


FIGURE 4-42. COOLING FAN (REVERSING) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217753	Ref	Reverse Cooling Fan Installation	C
1	1062255	3	Strap, Tie	
2	1001146588	2	Strap, Fir Tree Cable Tie	
4	1001217756	1	Shroud	
5	1001217757	1	Installation, Cover (See Separate Breakdown in this Section)	
6	1001217760	1	Kit, Reversing Fan	
6	70030353	1	Pneumatic Line	
6	70030355	1	Fan, Reverse	
6	70030356	1	Compressor	
7	1001145204	1	Switch	
8	1001221493	1	Harness, Reversing Fan (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 4-43. COOLING FAN COVER (REVERSING) INSTALLATION

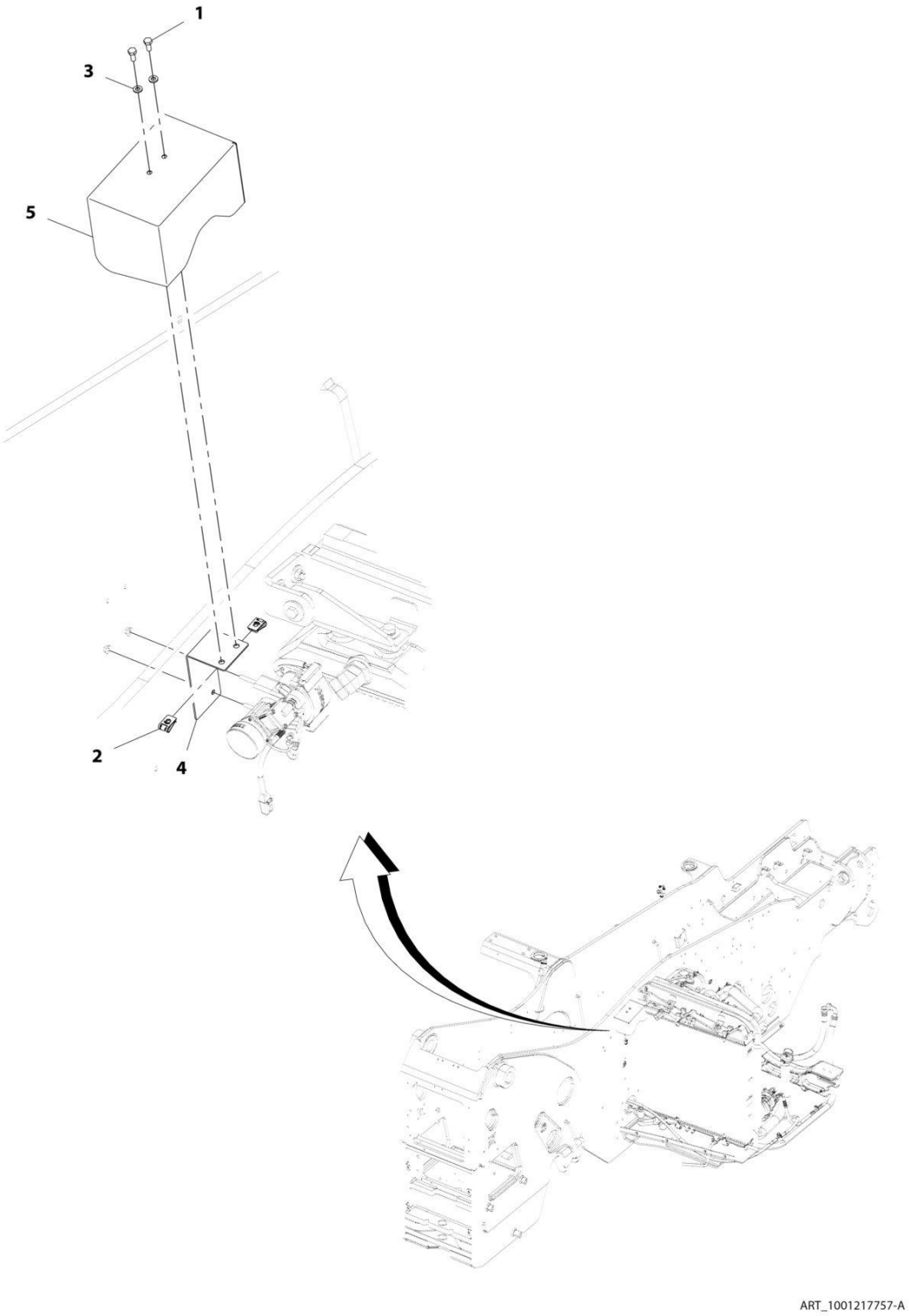


FIGURE 4-43. COOLING FAN COVER (REVERSING) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217757	Ref	Compressor Cover Installation	A
1	0760607	2	Bolt, M6X14	
2	8305919	2	Nut, M6	
3	8307219	2	Washer, M6	
4	1001217758	1	Bracket	
5	1001217759	1	Cover	

FIGURE 4-44. EXHAUST INSTALLATION (ULS)

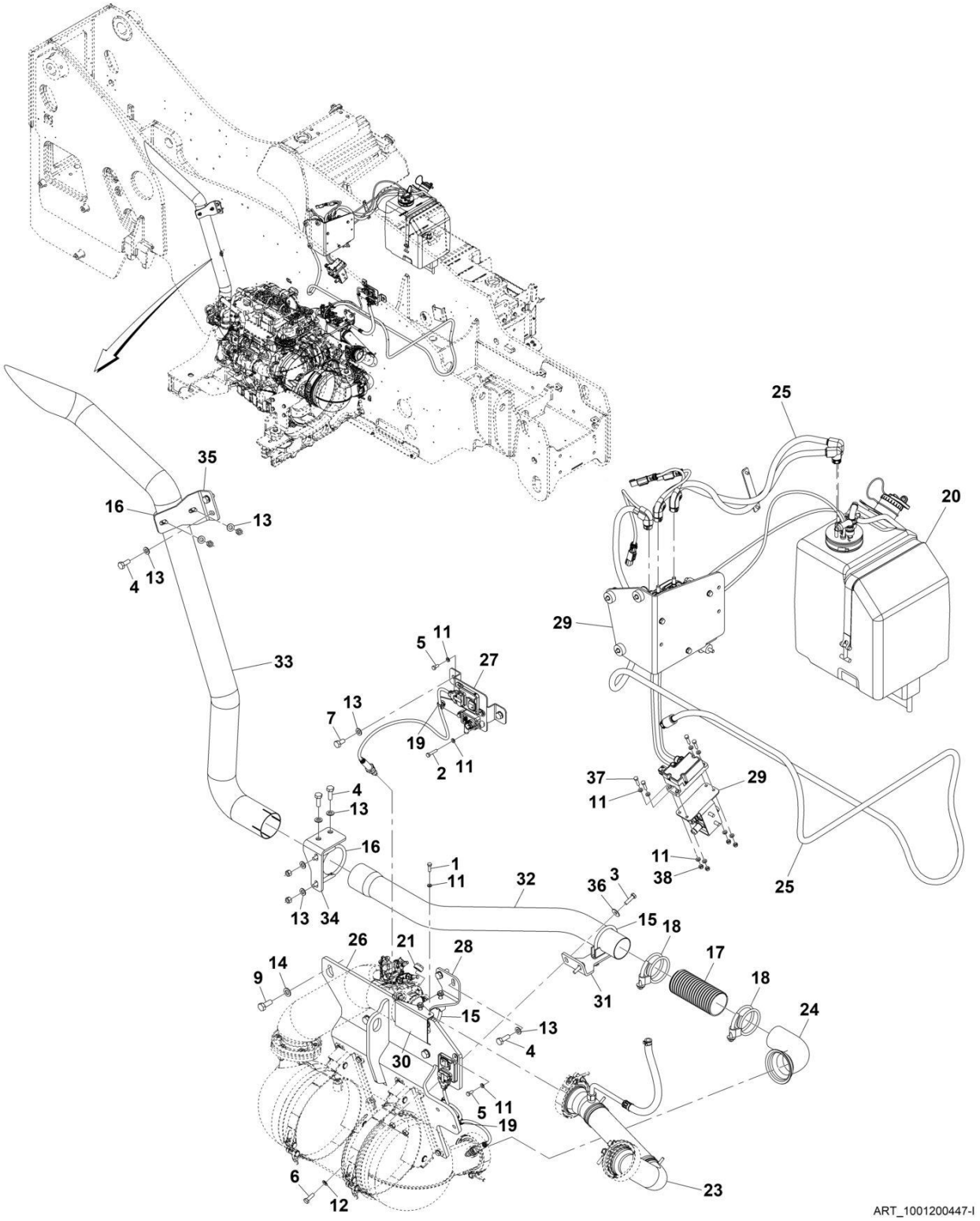


FIGURE 4-44. EXHAUST INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200447	Ref	EXHAUST INSTALLATION (ULS)	K
1	0700610	1	Bolt M6 x 20	
2	0700614	1	Bolt M6 x 30	
3	0700814	2	Bolt M8 x 30	
4	0701014	6	Bolt M10 x 30	
5	0760607	4	Bolt M6 x 14	
6	0760812	8	Bolt M8 x 25	
7	0761010	2	Bolt M10 x 20	
9	0761214	4	Bolt M12 x 30	
11	4811700	6	Washer M6	
12	4811900	8	Washer M8	
13	4812000	12	Washer M10	
14	4812100	4	Washer M12	
15	8275212	2	Clamp	
16	24921332	2	Clamp	
17	77213042	1	Tube, Flexible	
18	91163268	2	Clamp	
19	1001146588	3	Tie-Strap	
20	1001293067	Ref	Installation, DEF Tank (See Separate Breakdown in this Section)	
23	1001199902	1	Pipe	
24	1001200249	1	Pipe	
25	1001293068	Ref	Installation, DEF Lines (See Separate Breakdown in this Section)	
26	1001201856	1	Bracket	
27	1001284536	1	Bracket	
28	1001201858	1	Support	
29	1001202018	Ref	Installation, DEF Control Module (See Separate Breakdown in this Section)	
30	1001202021	1	Plate	
31	1001202899	1	Bracket	
32	1001204411	1	Pipe	
33	1001226797	1	Pipe, Tail	
34	1001204413	1	Bracket	
35	1001204414	1	Bracket	
36	4811902	2	Washer M8	
39	1001004720	AR	Tie-Strap	

FIGURE 4-45. DEF TANK INSTALLATION

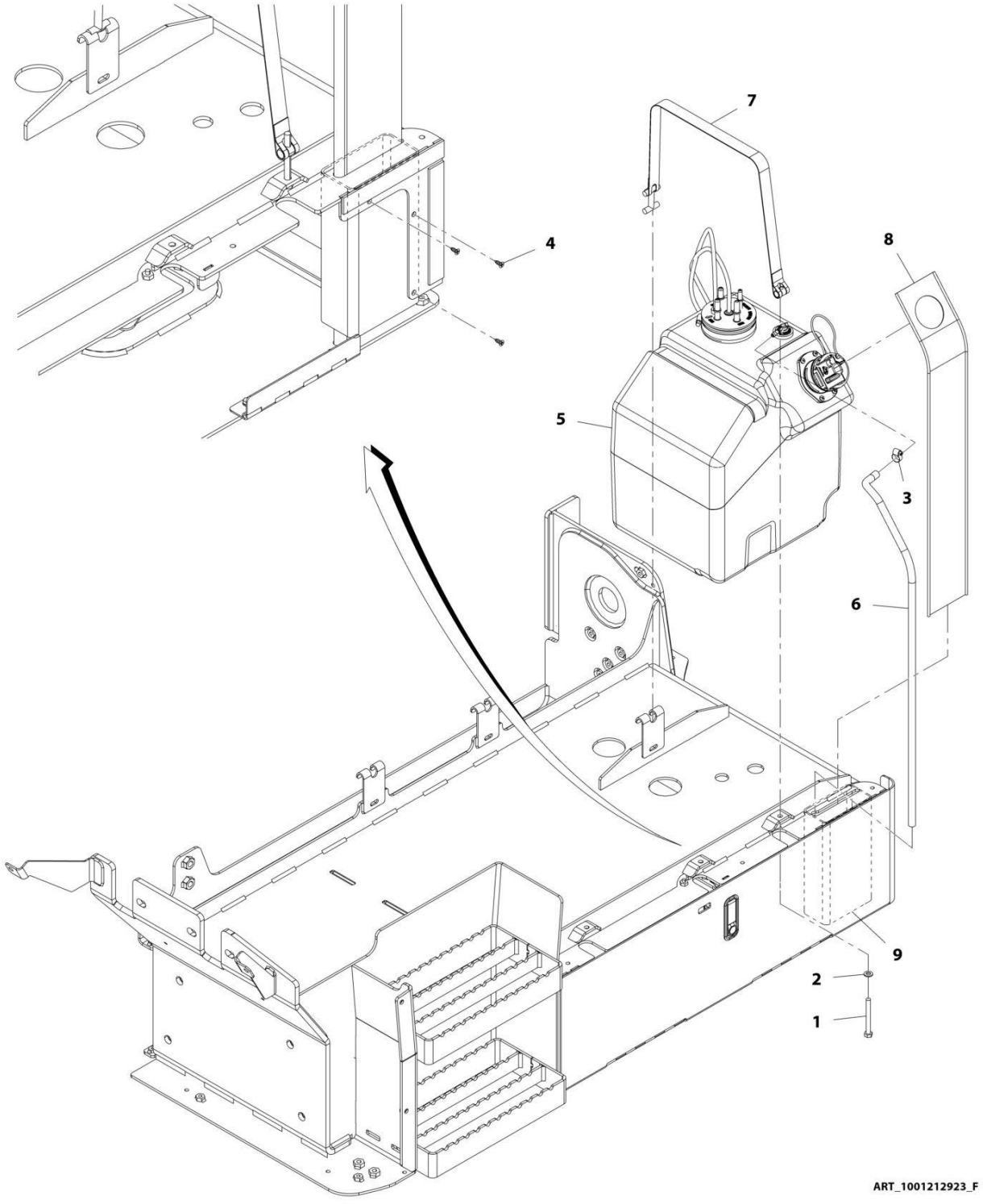


FIGURE 4-45. DEF TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212923	Ref	DEF Tank Installation	F
1	0760823	1	Bolt, M8X75	
2	4811900	1	Washer, M8	
3	8405009	1	Clamp	
4	1001226681	3	Screw	
5	1001247279	1	Assembly, DEF Tank (See Separate Breakdown in this Section)	
6	1001175201	813 mm	Hose	
7	1001178791	1	Strap, Tank	
8	1001212924	1	Guard, Spill	
9	1001212925	1	Tube, Drain	

FIGURE 4-46. DEF TANK ASSEMBLY

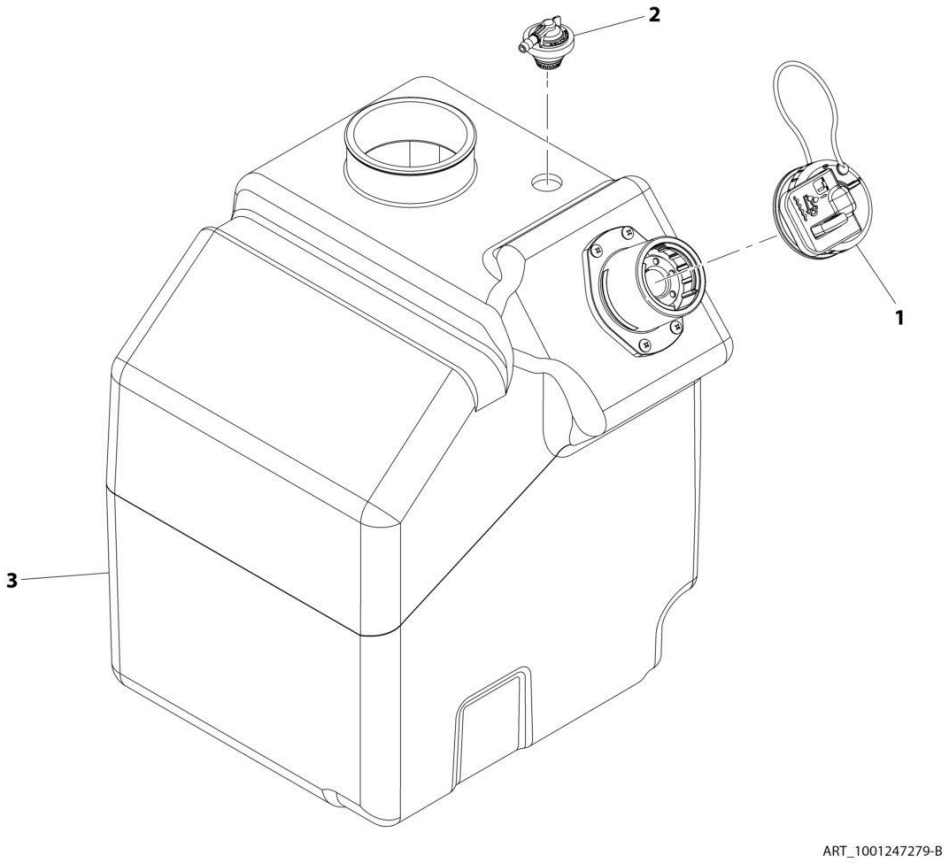


FIGURE 4-46. DEF TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247279	Ref	DEF Tank Assembly	B
1	1001174795	1	Reutter Cap Assembly	
2	1001215319	1	DEF Breather Valve	
3	1001237897	NLA	DEF Tank (Use PN 1001247279)	

FIGURE 4-47. DEF LINES INSTALLATION

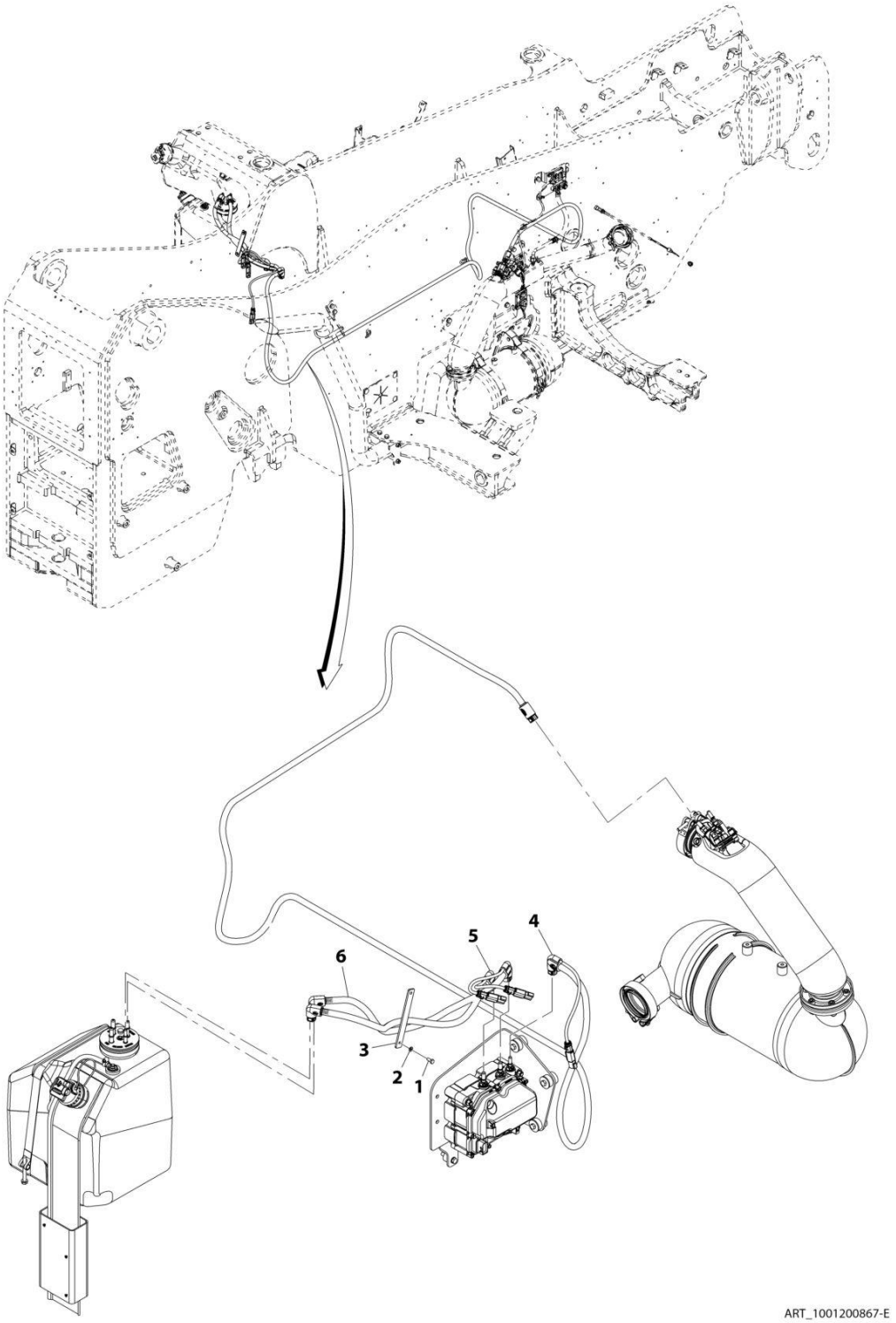


FIGURE 4-47. DEF LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200867	Ref	DEF Lines Installation	E
1	0760607	2	Bolt, M6X14	
2	4831700	2	Washer, Lock M6	
3	1001173873	1	Plate	
4	1001180437	1	Hose	
5	1001239879	1	Hose	
6	1001239878	1	Hose	

FIGURE 4-48. DEF CONTROL MODULE INSTALLATION

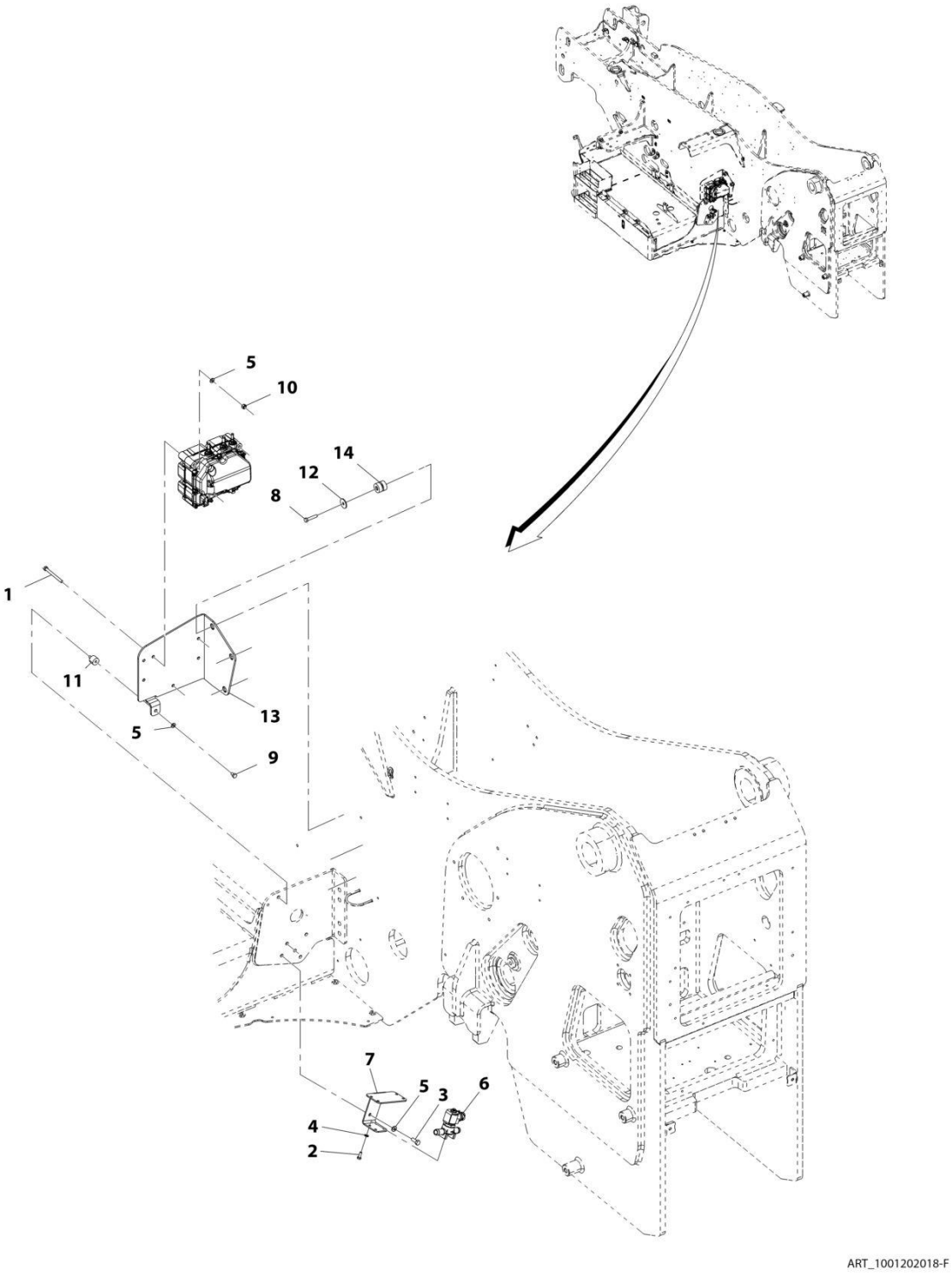


FIGURE 4-48. DEF CONTROL MODULE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202018	Ref	DEF Control Module Installation	F
1	0700826	3	Bolt, M8X90	
2	0760608	4	Bolt, M6X16	
3	0760810	2	Bolt, M8X20	
4	4811700	4	Washer, M6	
5	4811900	9	Washer, M8	
6	1001199670	1	Valve, DEF Tank Coolant Flow	
7	1001247184	1	Bracket	
8	0700816	3	Bolt, M8X40	
9	0760806	1	Bolt, M8X12	
10	3290805	3	Nut, Lock M8X1.25 Grade 8	
11	1001179907	1	Mount, Isolator	
12	1001195089	3	Washer	
13	1001221349	1	Bracket	
14	1001221383	3	Mount, Isolator	

FIGURE 4-49. EXHAUST INSTALLATION (LS)

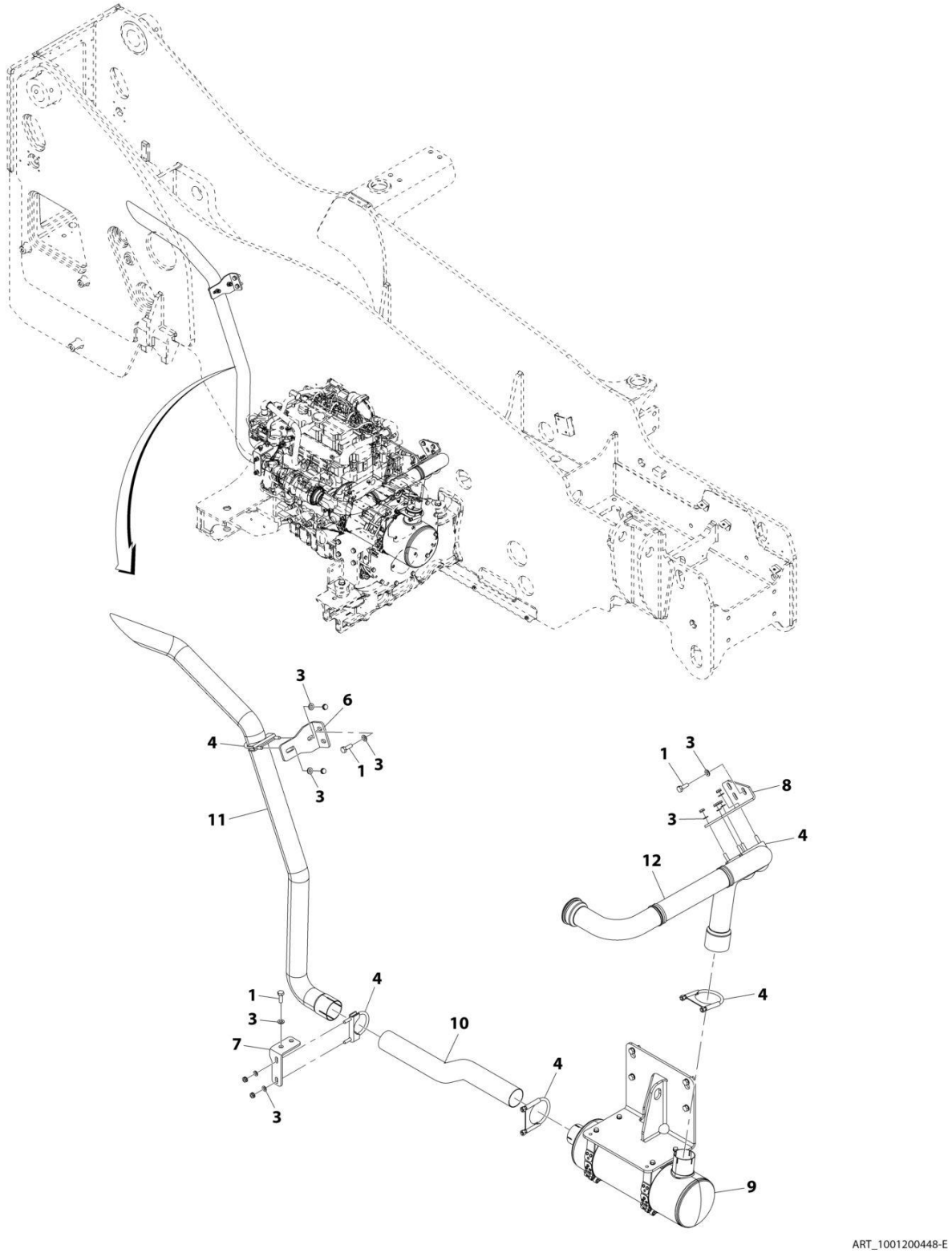


FIGURE 4-49. EXHAUST INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200448	Ref	Exhaust Installation (LS)	E
1	0701014	6	Bolt, M10X30	
3	4812000	14	Washer, M10	
4	8275212	4	Clamp	
6	1001182824	1	Bracket	
7	1001194155	1	Bracket	
8	1001214439	1	Bracket	
9	1001210761	1	Installation, Muffler (See Separate Breakdown in this Section)	
10	1001214441	1	Pipe	
11	1001228174	1	Pipe, Tail	
12	1001214440	1	Pipe	

FIGURE 4-50. MUFFLER INSTALLATION (LS)

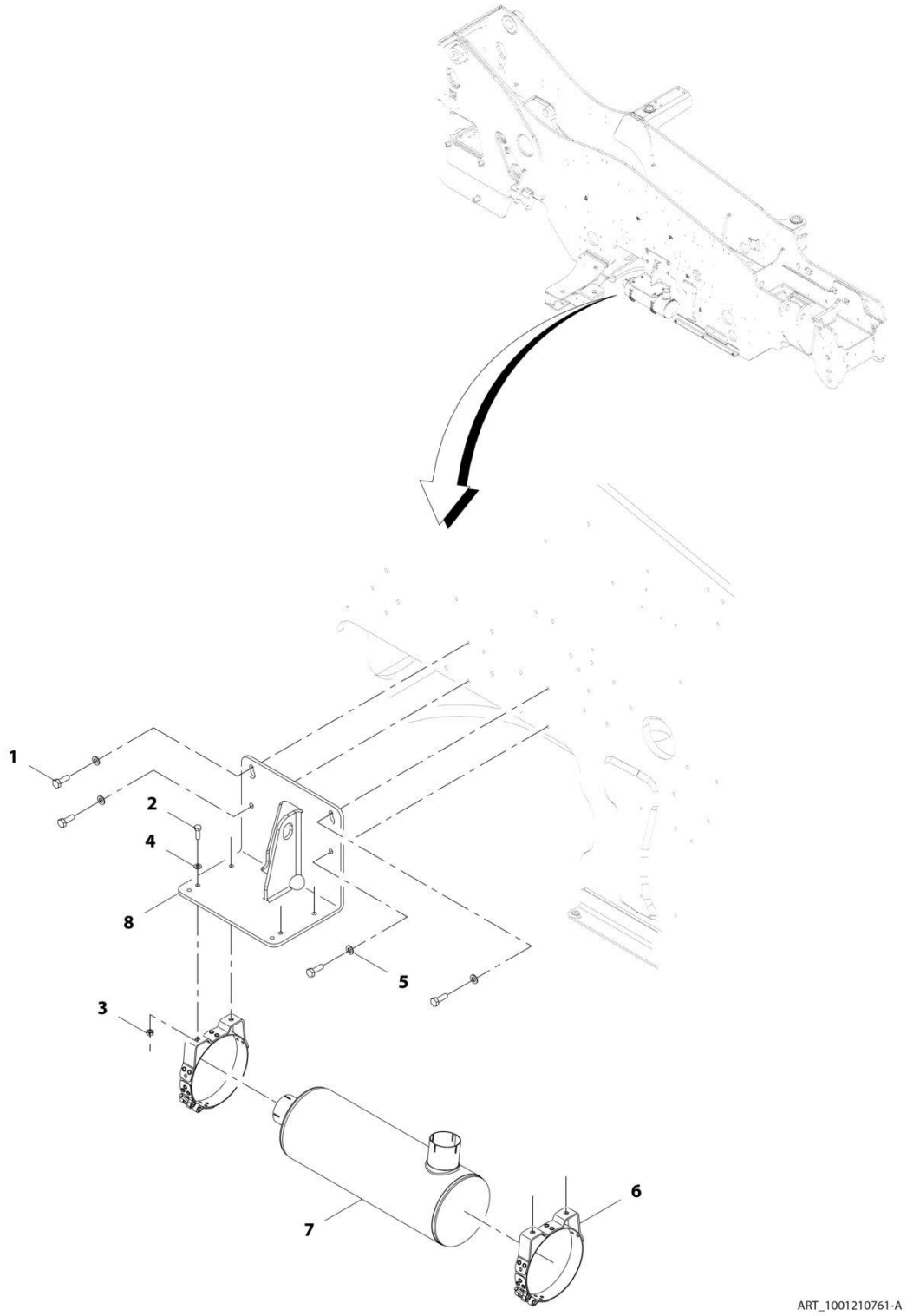


FIGURE 4-50. MUFFLER INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210761	Ref	Muffler Installation (LS)	A
1	0701014	4	Bolt, M10X30	
2	0760812	4	Bolt, M8X25	
3	3290801	4	Nut, M8X1.25 Grade 8	
4	4811900	8	Washer, M8	
5	4812000	4	Washer, M10	
6	1001119727	2	Clamp	
7	1001140671	1	Muffler	
8	1001214438	1	Bracket	

FIGURE 4-51. HEATER LINES INSTALLATION (ULS)

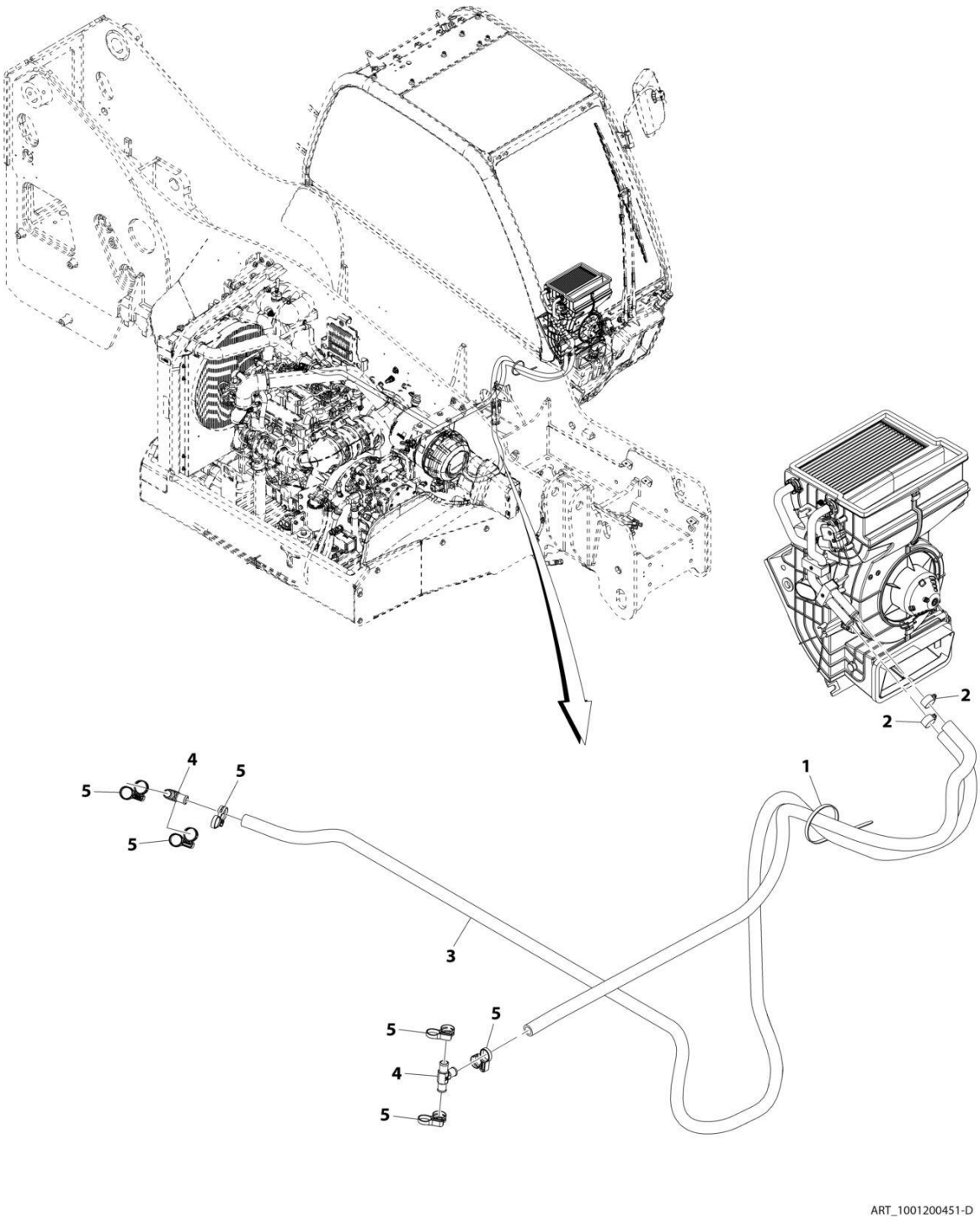


FIGURE 4-51. HEATER LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200451	Ref	Heater Lines Installation (ULS)	D
1	1062255	AR	Strap, Tie	
2	8410009	2	Clamp	
3	82033995	4620 mm	Hose	
4	1001170432	2	Fitting, Tee	
5	1001202526	6	Clamp	

FIGURE 4-52. HEATER LINES INSTALLATION (LS)

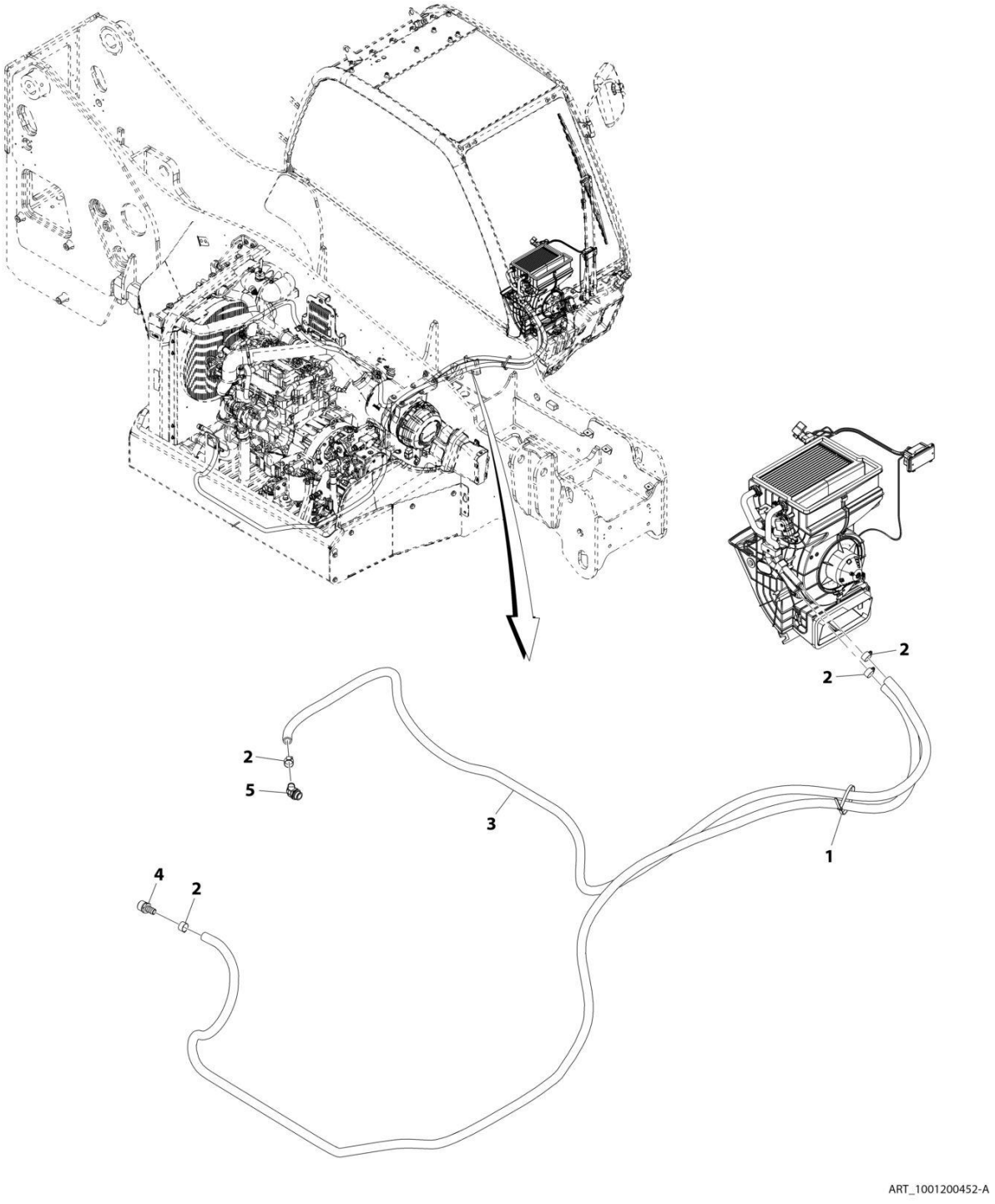


FIGURE 4-52. HEATER LINES INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200452	Ref	Heater Lines Installation (LS)	A
1	1062255	1	Strap, Tie	
2	8410009	4	Clamp	
3	82033995	6897 mm	Hose	
4	1001167409	1	Fitting, Straight	
5	1001203005	1	Fitting, 45	

FIGURE 4-53. A/C PUMP INSTALLATION

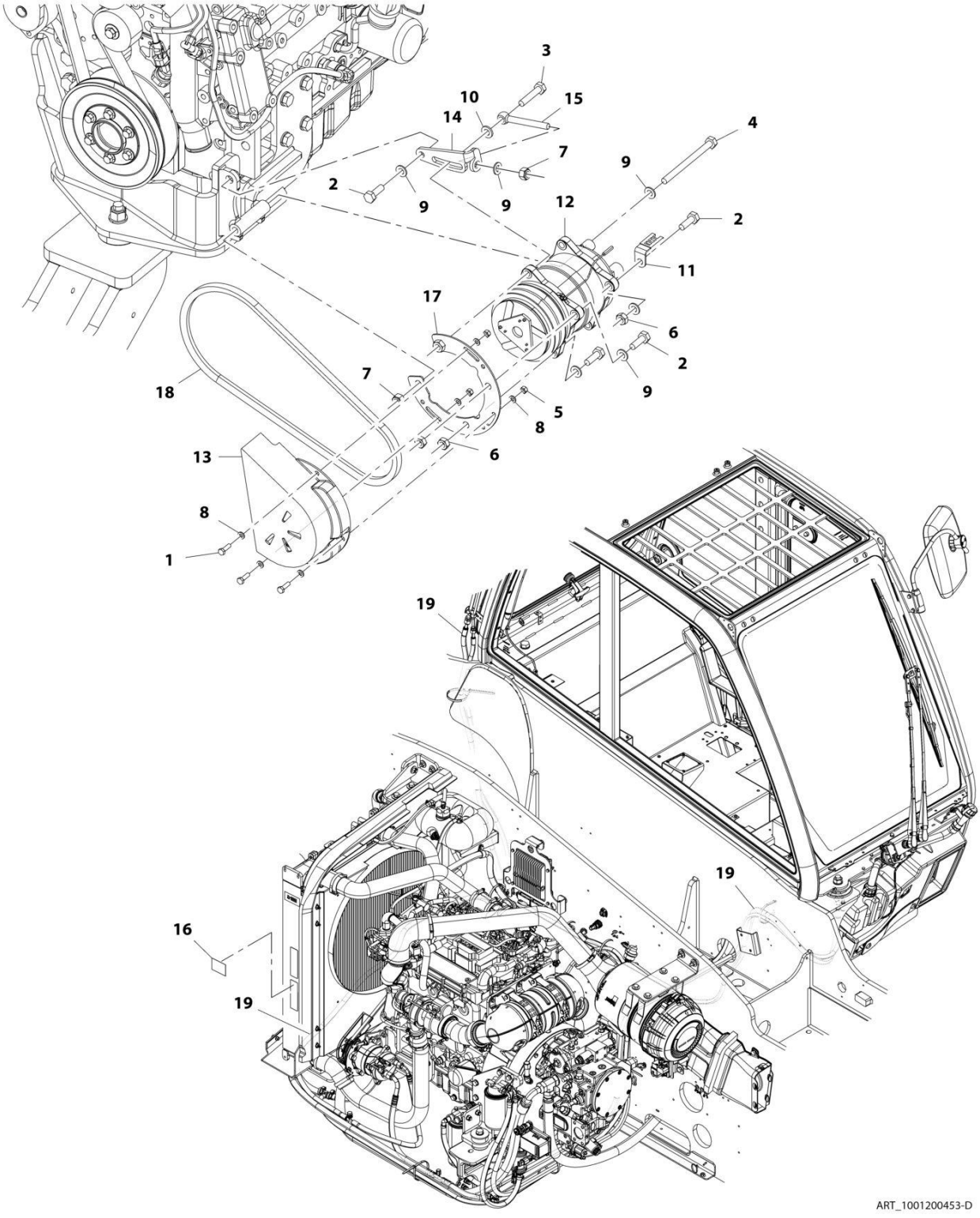


FIGURE 4-53. A/C PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200453	Ref	A/C Pump Installation	D
1	0700610	3	Bolt, M6X20	
2	0701014	4	Bolt, M10X30	
3	0701018	1	Bolt, M10X50	
4	0711030	1	Bolt, M10X130 Grade 10.9	
5	3290605	3	Nut, Lock M6X1	
6	3291001	3	Nut, M10X1.5	
7	3291005	2	Nut, lock M10X1.5	
8	4811700	6	Washer, M6	
9	4812000	6	Washer, M10	
10	5241000	1	Washer, M10	
11	1001003305	1	Clip	
12	1001107339	1	Compressor, A/C Clutch	
13	1001138945	1	Cover, Compressor	
14	1001188855	1	Plate, A/C Belt Tensioner	
15	1001188856	1	Rod, Tensioner	
16	1001227090	1	Decal, A/C Installation	
17	1001193797	1	Support, Cover	
18	1001200701	1	Belt, Drive	
19	1001202321	1	A/C Lines Installation (See Separate Breakdown in this Section)	

FIGURE 4-54. A/C LINES INSTALLATION

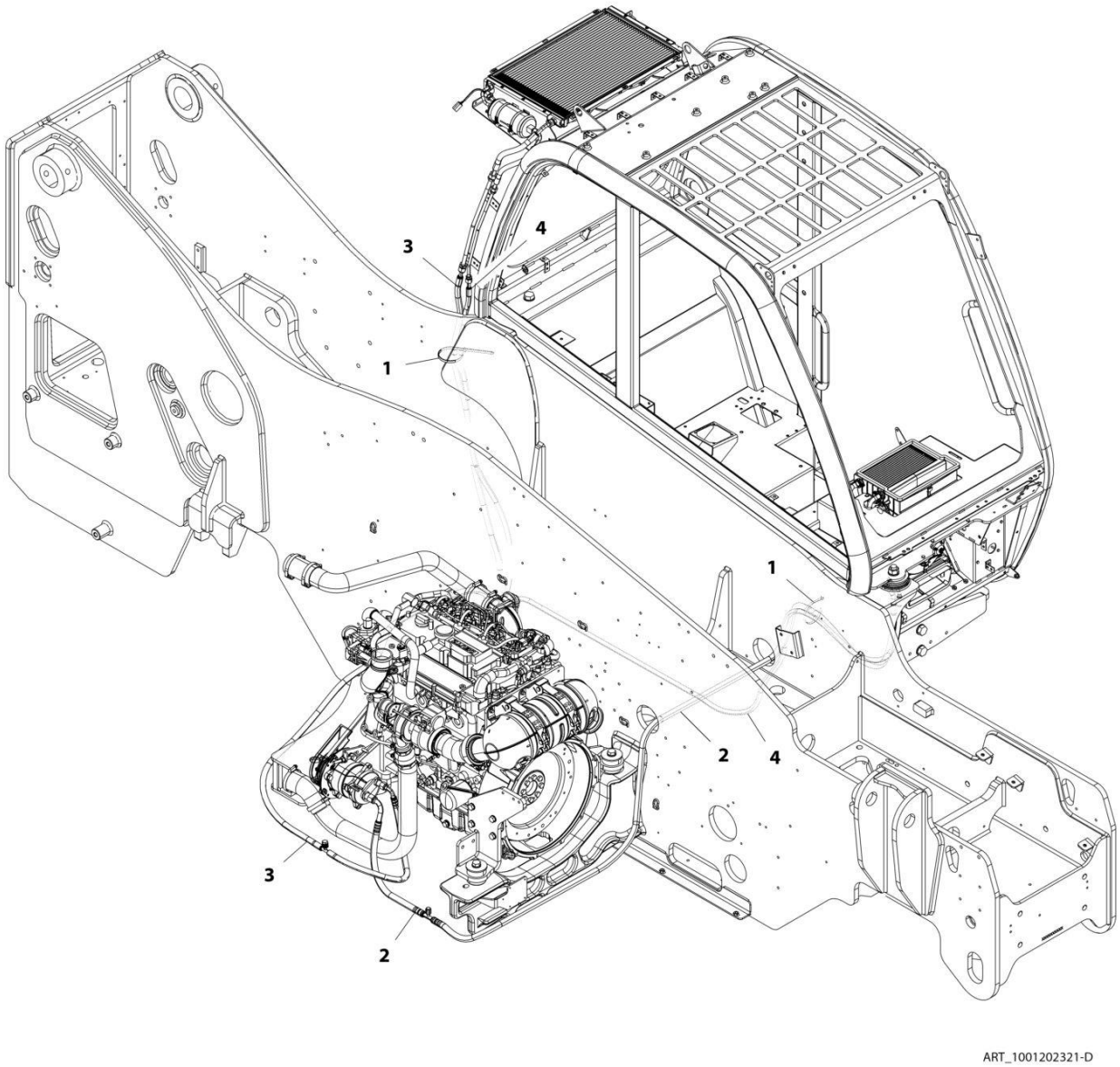


FIGURE 4-54. A/C LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202321	Ref	A/C Lines Installation	D
1	1062255	2	Strap, Tie	
2	1001216798	1	Hose	
3	1001216799	1	Hose	
4	1001202325	1	Hose	

FIGURE 4-55. BLOCK HEATER INSTALLATION (115V) (ULS)

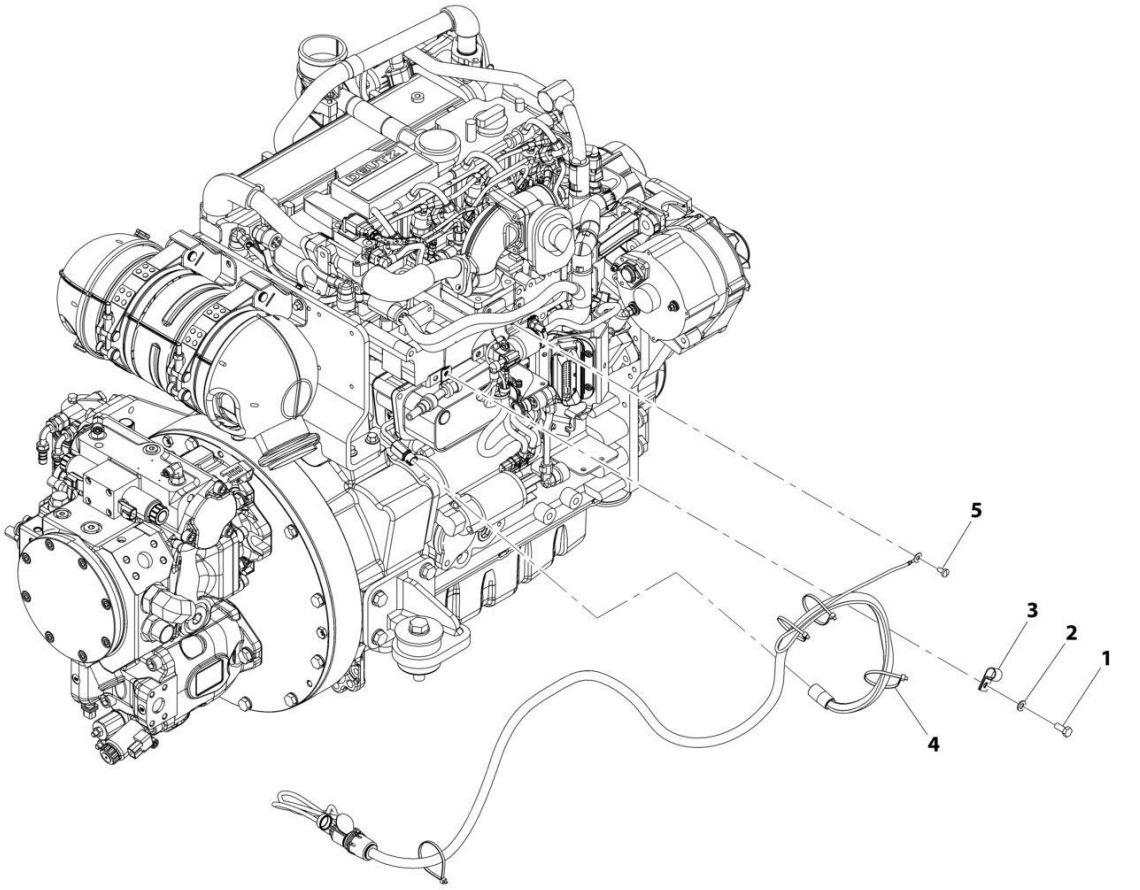


FIGURE 4-55. BLOCK HEATER INSTALLATION (115V) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214349	Ref	Block Heater Installation (115V) (ULS)	C
1	0760810	1	Bolt, M8X20	
2	4811900	1	Washer, M8	
3	8406112	1	Clip	
4	1001008559	4	Strap, Cable	
5	1001099566	1	Screw, M6-1X12	

FIGURE 4-56. BLOCK HEATER INSTALLATION (115V) (LS)

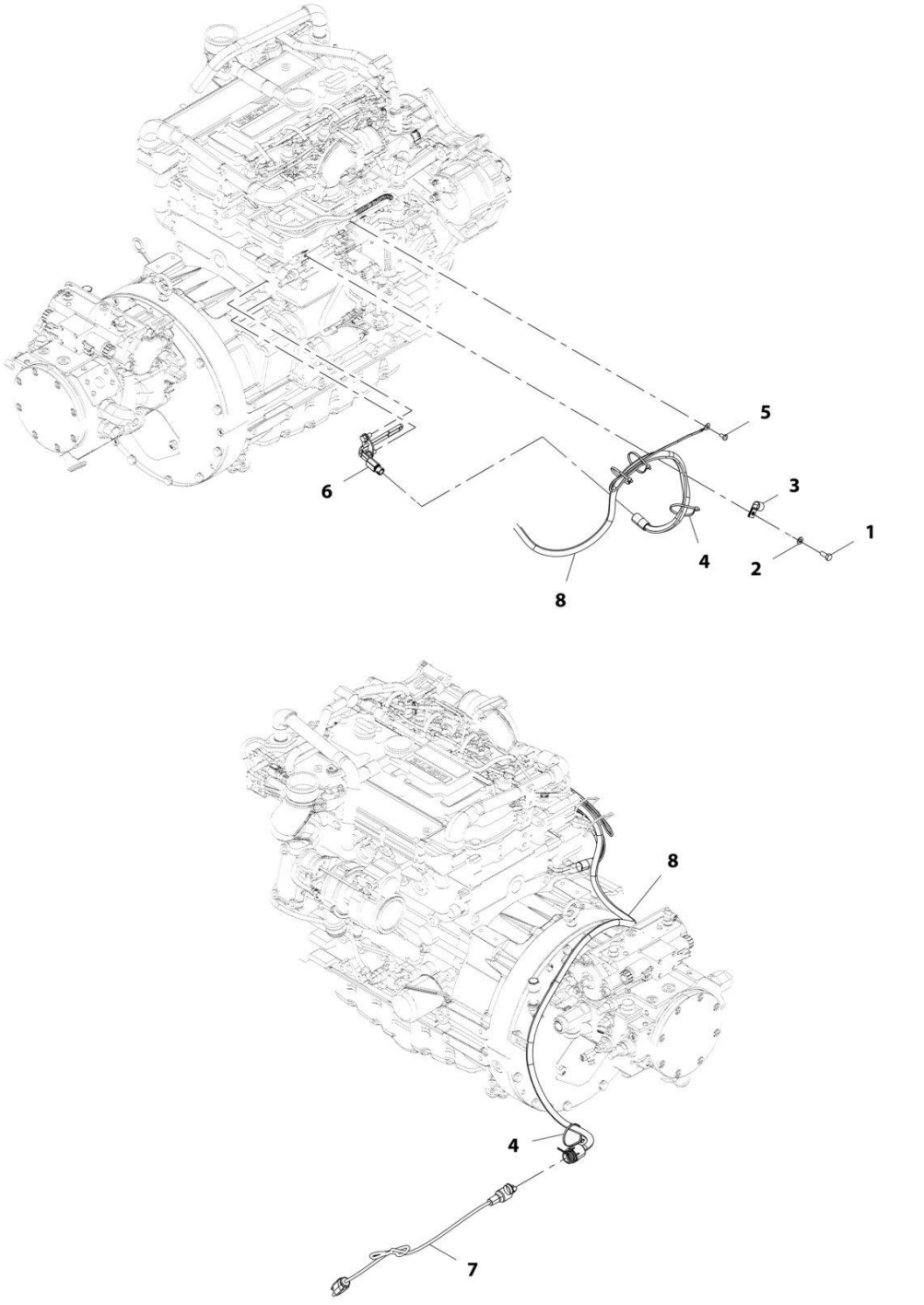


FIGURE 4-56. BLOCK HEATER INSTALLATION (115V) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201428	Ref	Block Heater Installation (115V) (LS)	B
1	0760810	1	Bolt, M8X20	
2	4811900	1	Washer, M8	
3	8406112	1	Clip	
4	1001008559	4	Cable, Strap	
5	1001099566	1	Screw, M6-1X12	
6	1001211570	1	Heater, Engine (115V)	
7	1001212013	1	Cord, Heater	
8	1001212054	1	Cord, Heater	

FIGURE 4-57. BLOCK HEATER INSTALLATION (230V) (LS)

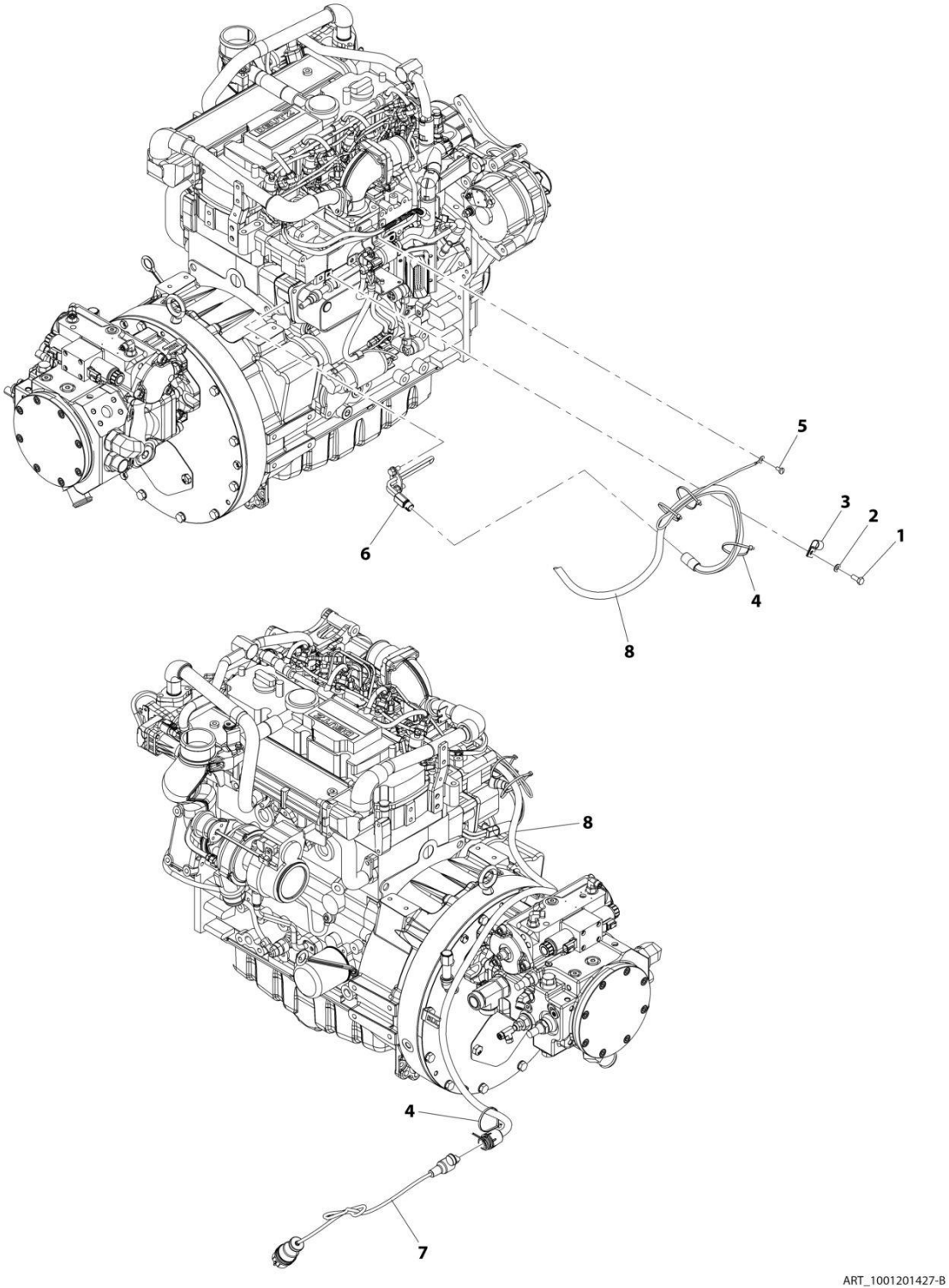


FIGURE 4-57. BLOCK HEATER INSTALLATION (230V) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201427	Ref	Block Heater Installation (230V) (LS)	B
1	0760810	1	Bolt, M8X20	
2	4811900	1	Washer, M8	
3	8406112	1	Clip	
4	1001008559	4	Strap, Cable	
5	1001099566	1	Screw, M6-1X12	
6	1001211571	1	Heater, Engine (230V)	
7	1001212014	1	Cord, Heater	
8	1001212055	1	Cord, Heater	

FIGURE 4-58. HEATED BREATHER TUBE INSTALLATION

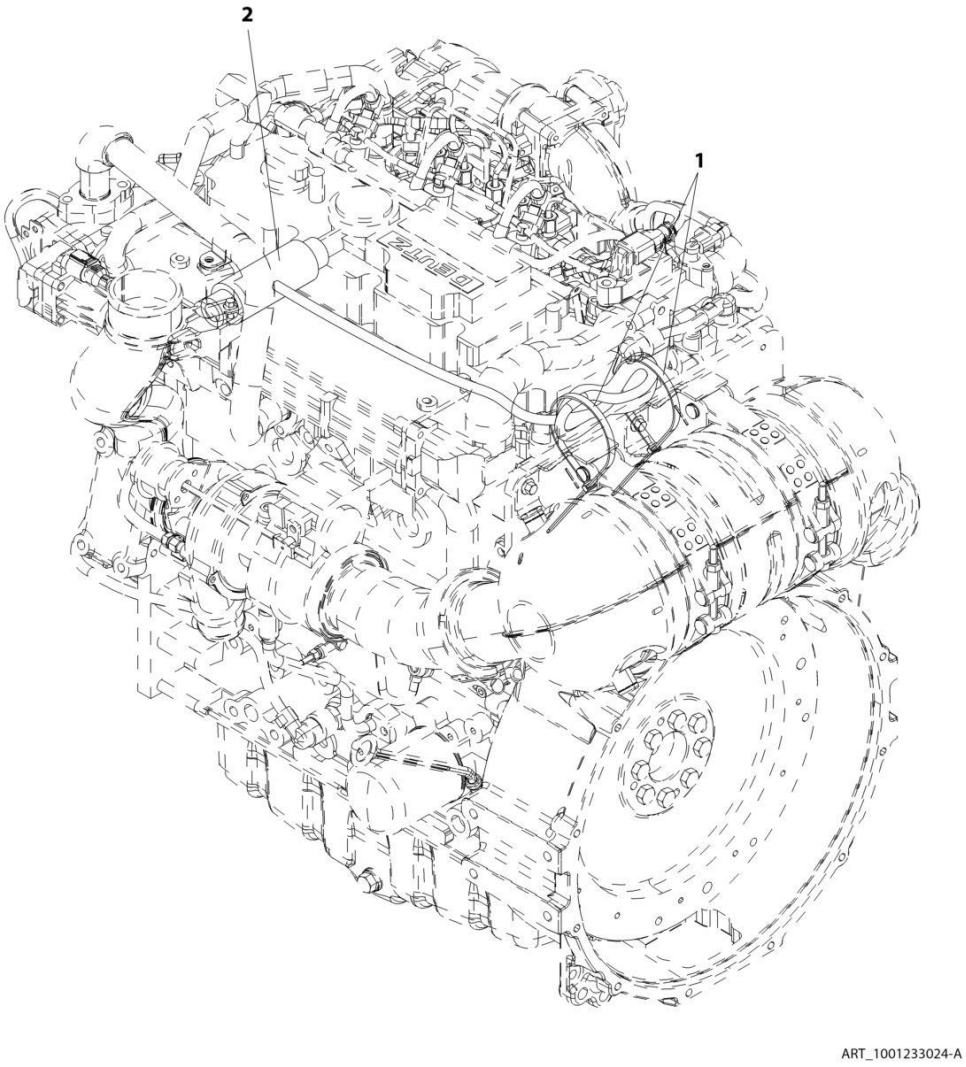


FIGURE 4-58. HEATED BREATHER TUBE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233024	Ref	Heated Breather Tube Installation	A
1	1062255	2	Strap, Tie	
2	1001232509	1	Hose	

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. DRIVETRAIN INSTALLATION

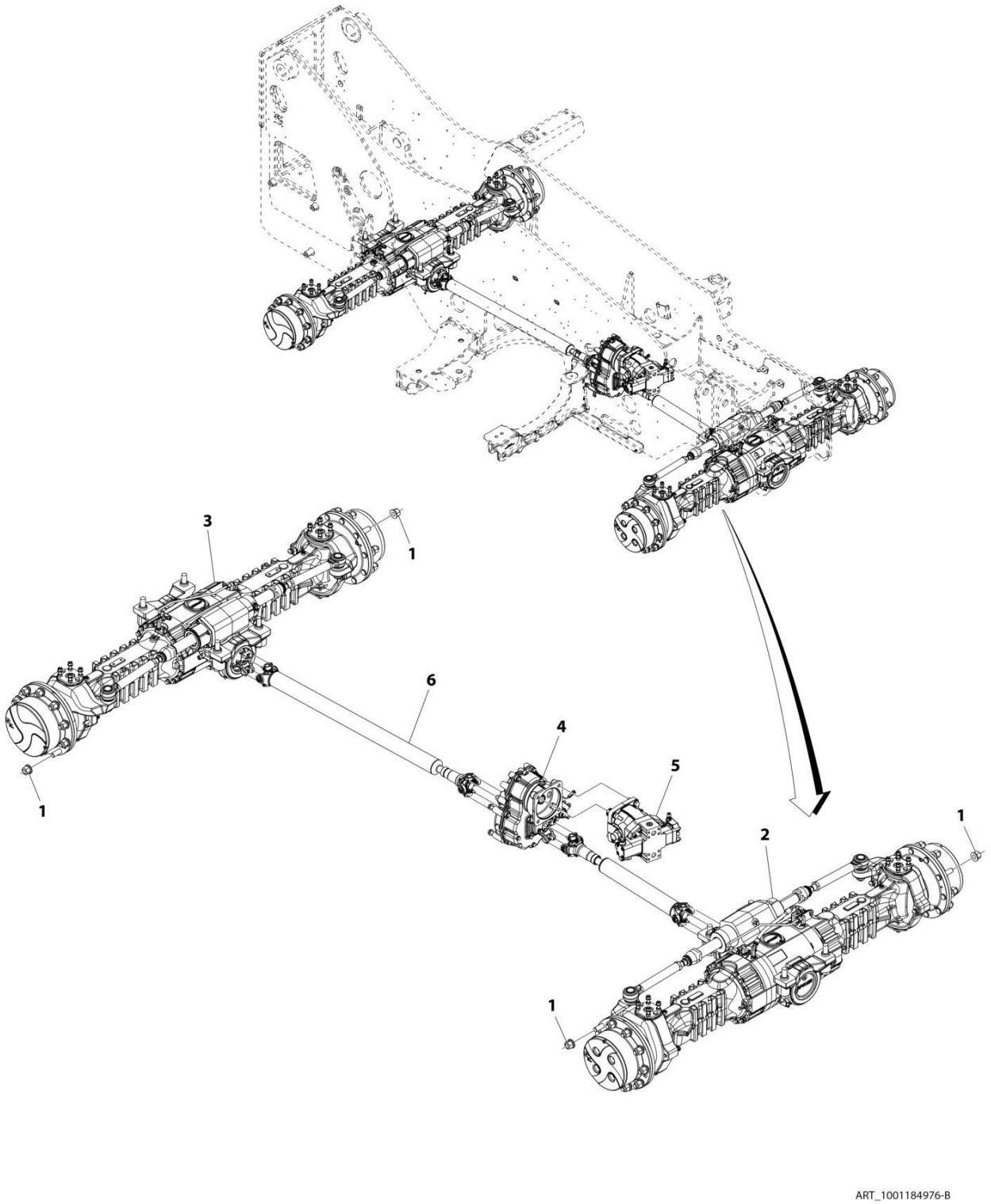


FIGURE 5-1. DRIVETRAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184976	Ref	Drivetrain Installation	B
1	91403193	40	Nut, Lug M22X1.5	
2	1001184977	Ref	Installation, Front Axle (See Separate Breakdown in this Section)	
3	1001184978	Ref	Installation, Rear Axle (See Separate Breakdown in this Section)	
4	1001184979	Ref	Installation, Gearbox (See Separate Breakdown in this Section)	
5	1001184980	Ref	Installation, Hydrostatic Motor (See Separate Breakdown in this Section)	
6	1001184981	Ref	Installation, Drive Shaft (See Separate Breakdown in this Section)	

FIGURE 5-2. HYDROSTATIC MOTOR INSTALLATION

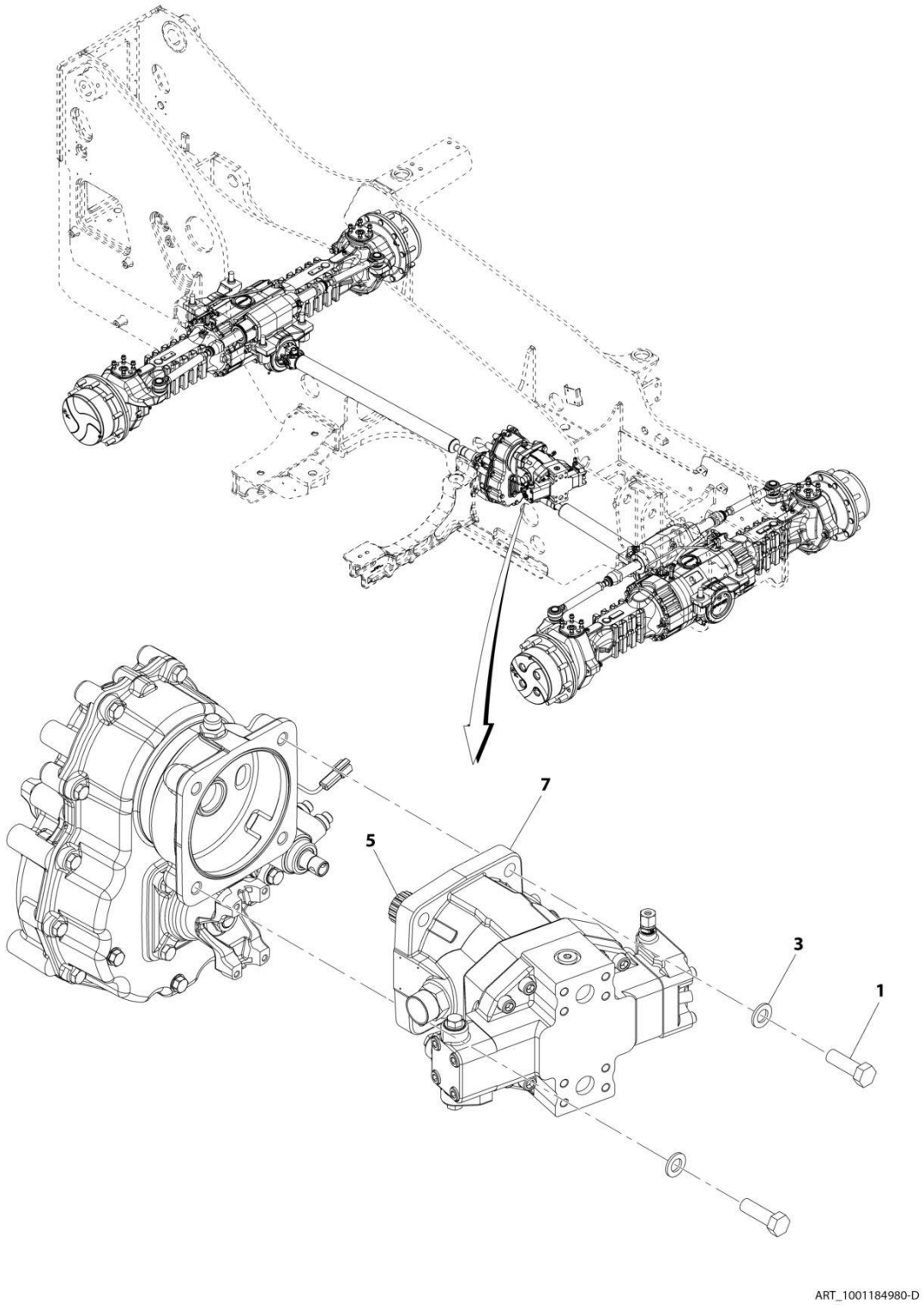
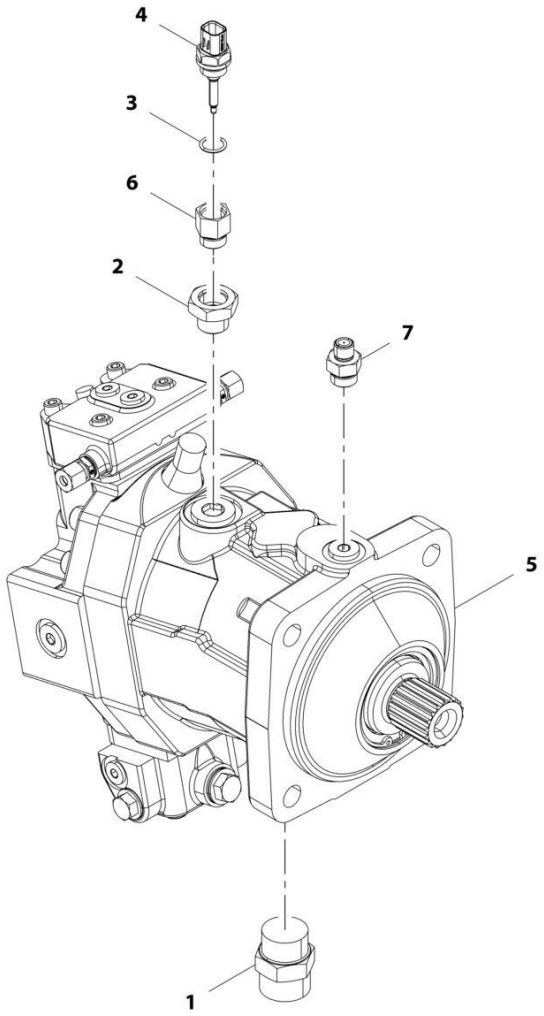


FIGURE 5-2. HYDROSTATIC MOTOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184980	Ref	Hydrostatic Motor Installation	D
1	0771618	4	Bolt, M16X50	
3	4812300	4	Washer, M16	
5	3020037	AR	Lube, Grease	
7	1001217620	1	Assembly, Hydrostatic Drive Motor (See Separate Breakdown in this Section)	

FIGURE 5-3. HYDROSTATIC MOTOR ASSEMBLY



ART_1001217620-B

FIGURE 5-3. HYDROSTATIC MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217620	Ref	Hydrostatic Motor Assembly	B
1	2111616	1	Fitting, Straight ORFS	
2	2220811	1	Fitting, Straight	
3	1001009163	1	O-Ring	
4	1001128478	1	Sensor	
5	1001193308	1	Motor, Hydrostatic (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
6	1001220760	1	Fitting, Straight	
7	1001217669	1	Fitting, Straight	

FIGURE 5-4. GEAR BOX

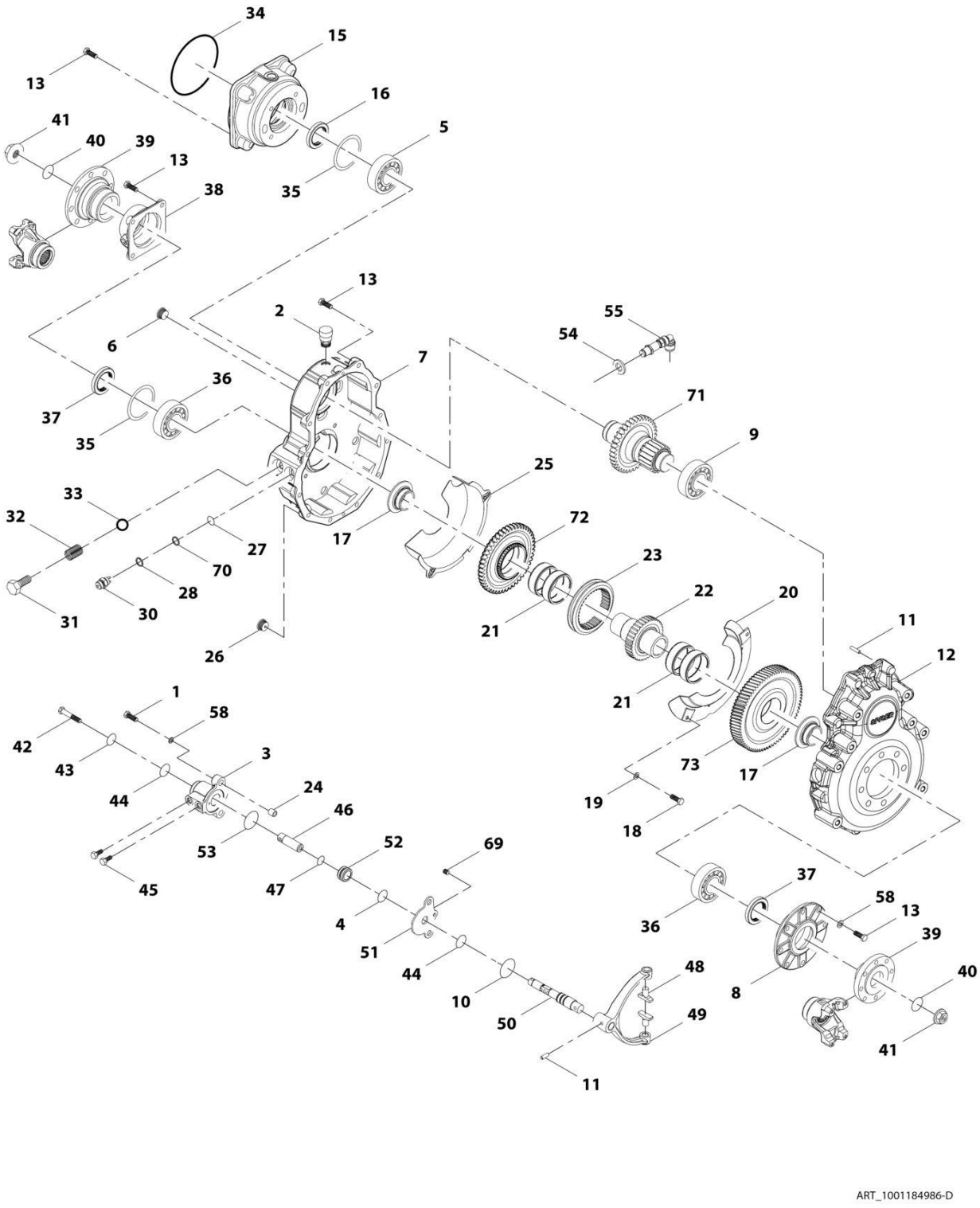


FIGURE 5-4. GEAR BOX

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184986	Ref	Gear box	D
1	70028817	2	Bolt	
2	70028818	1	Plug	
3	70028819	1	Cylinder	
4	70028820	1	O-Ring	
5	91514146	1	Bearing, Ball	
6	80204016	1	Plug	
7	70028821	1	Housing	
8	70028822	1	Cover	
9	70026904	1	Bearing, Ball	
10	3986405	1	O-Ring	
11	70026892	3	Dowel	
12	70028823	1	Housing	
13	70026911	28	Bolt	
15	70026897	1	Cover	
16	70026896	1	Seal	
17	70028824	2	Spacer	
18	70026909	2	Bolt	
19	70027110	2	Washer, Lock	
20	70028825	1	Plate, Cover	
21	70028826	4	Bearing	
22	70028827	1	Shaft	
23	70028828	1	Sleeve	
24	70028829	2	Pin	
25	70026908	1	Sheet	
26	80204007	1	Plug	
27	1001081085	1	O-Ring	
28	80203020	1	Washer	
30	70028830	1	Switch	
31	70028831	1	Bolt	
32	80203021	1	Spring	
33	70020276	1	Ball, Detend	
34	80204176	1	O-Ring	
35	70027862	2	Kit, Shim	
36	91474364	2	Bearing, Ball	
37	70026901	2	Seal	
38	70028832	1	Cover	
39	70026898	2	Flange	
40	80204215	2	O-Ring	
41	70026631	2	Nut	
42	70028833	1	Bolt	
43	70028834	1	O-Ring	
44	70028835	2	Sleeve	
45	91514154	2	Bolt	
46	70028836	1	Bar	
47	70027109	1	O-Ring	
48	70028837	2	Pin	
49	70028838	1	Fork, Selector	
50	70028839	1	Shaft	
51	70028840	1	Plate, Cover	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	70028841	1	Piston	
53	70028842	1	O-Ring	
54	70028844	1	Washer	
55	70028801	1	Sensor, Speed	
58	70028843	10	Washer	
69	70028845	1	Bolt	
70	70026927	1	Washer, Seal	
71	70028846	1	Shaft, Input	
72	70028847	1	Gear	
73	70028848	1	Gear	

FIGURE 5-5. GEARBOX INSTALLATION

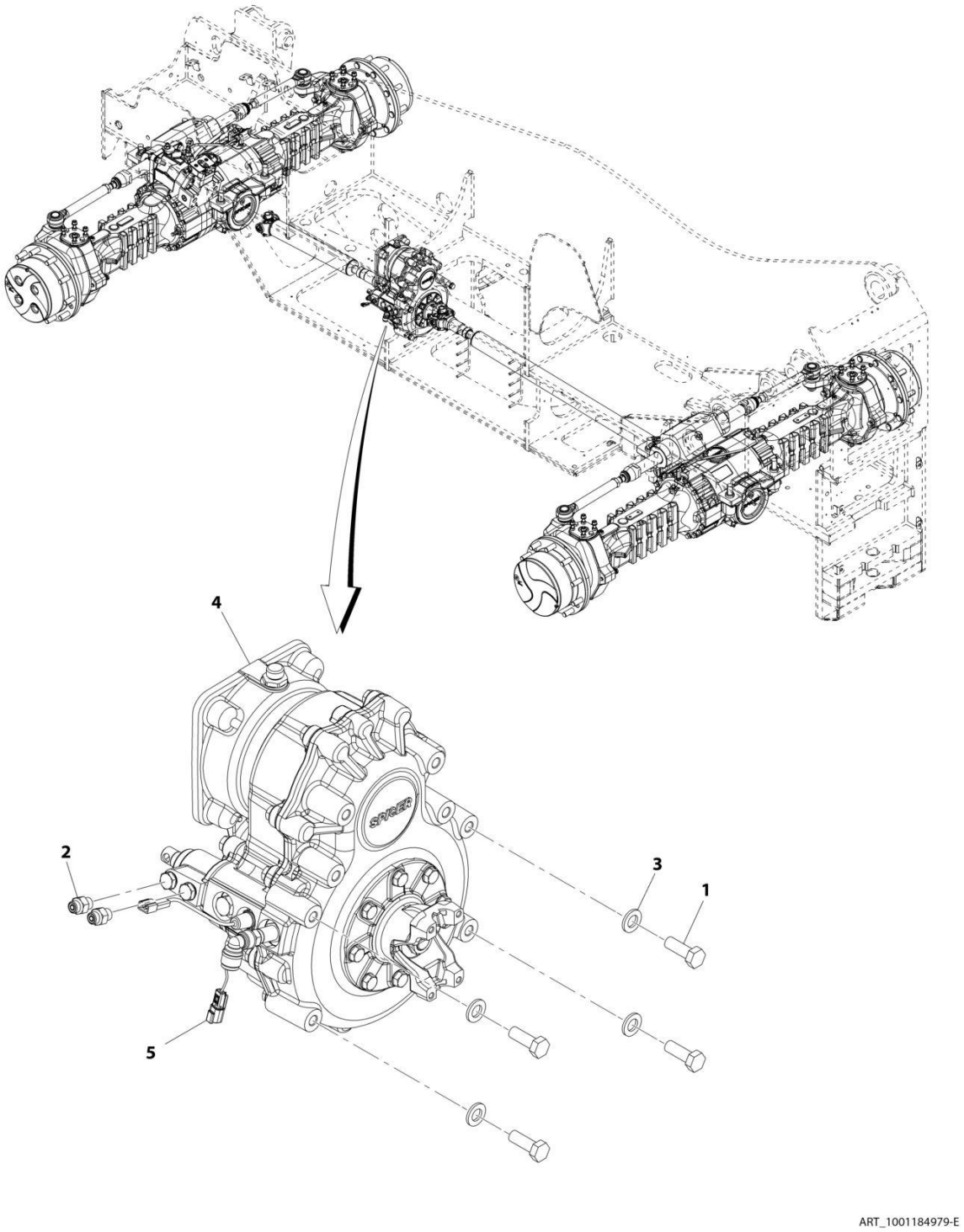


FIGURE 5-5. GEARBOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184979	Ref	Gearbox Installation	E
1	0771416	4	Bolt, M14-2X40 Grade 10.9	
2	2144603	1	Fitting, Straight ORFS	
3	5241400	4	Washer, M14	
4	1001184986	1	Gearbox (See Separate Breakdown in this Section)	
5	1001229981	1	Harness, Vehicle Speed Pigtail (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 5-6. DRIVE SHAFT INSTALLATION

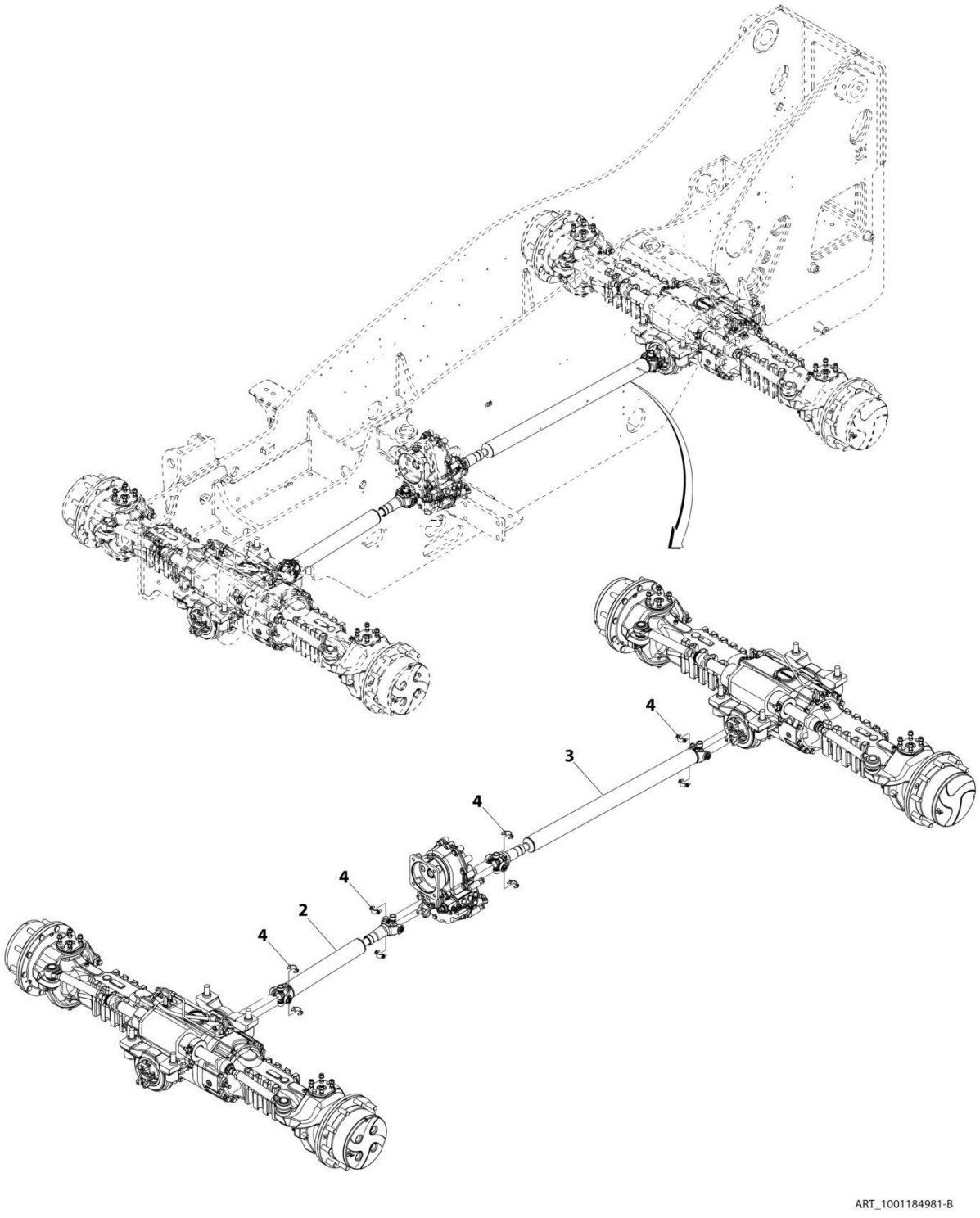


FIGURE 5-6. DRIVE SHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184981	Ref	Drive Shaft Installation	B
2	1001184987	1	Assembly, Drive Shaft	
3	1001184988	1	Assembly, Drive Shaft	
4	8880219-OM	4	Kit, Strap	

FIGURE 5-7. FRONT AXLE INSTALLATION

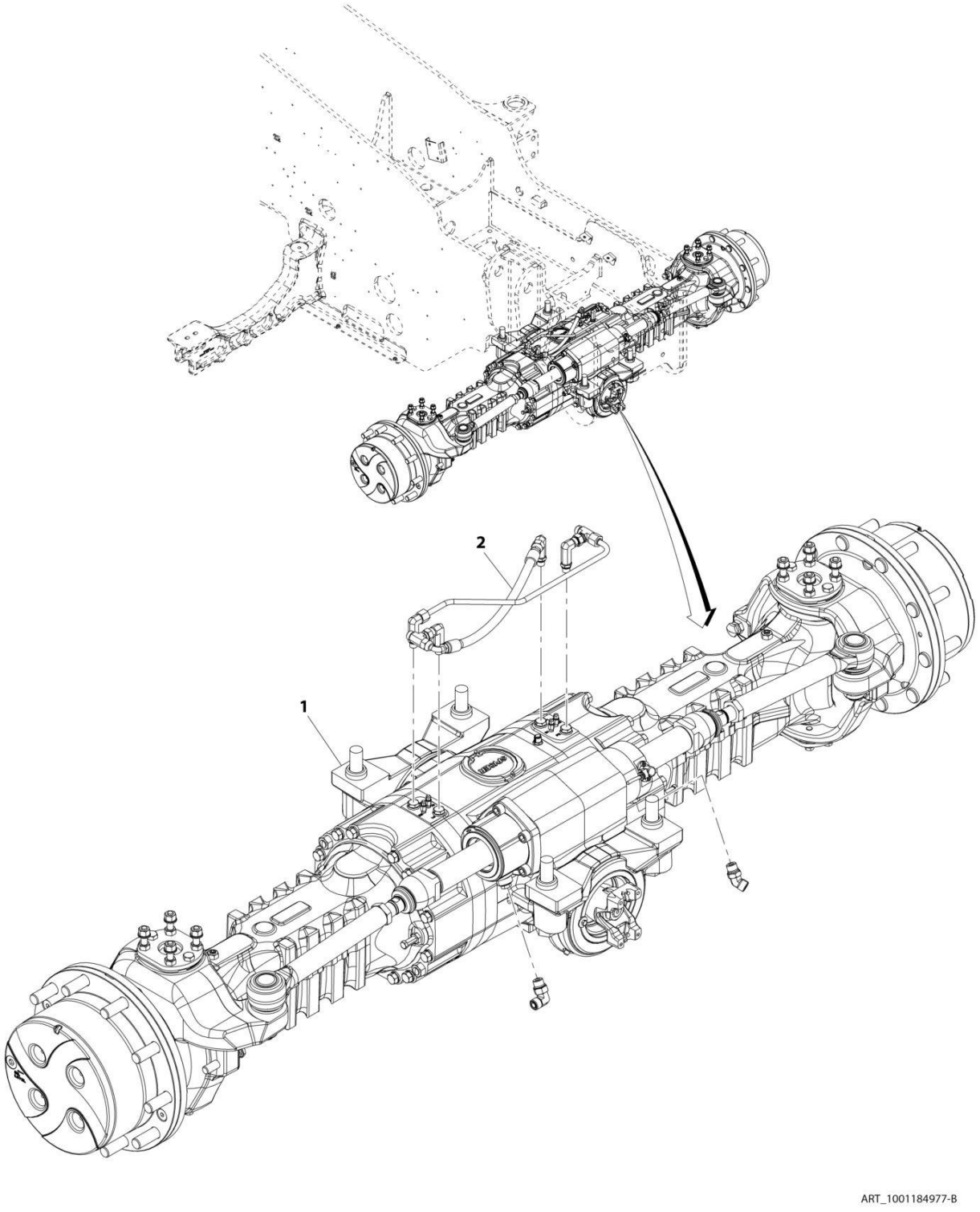


FIGURE 5-7. FRONT AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184977	Ref	Front Axle Installation	B
1	1001184982	Ref	Installation, Front Axle Mounting (See Separate Breakdown in this Section)	
2	1001207898	Ref	Installation, Front Axle Lines (See Separate Breakdown in this Section)	

FIGURE 5-8. FRONT AXLE MOUNTING INSTALLATION

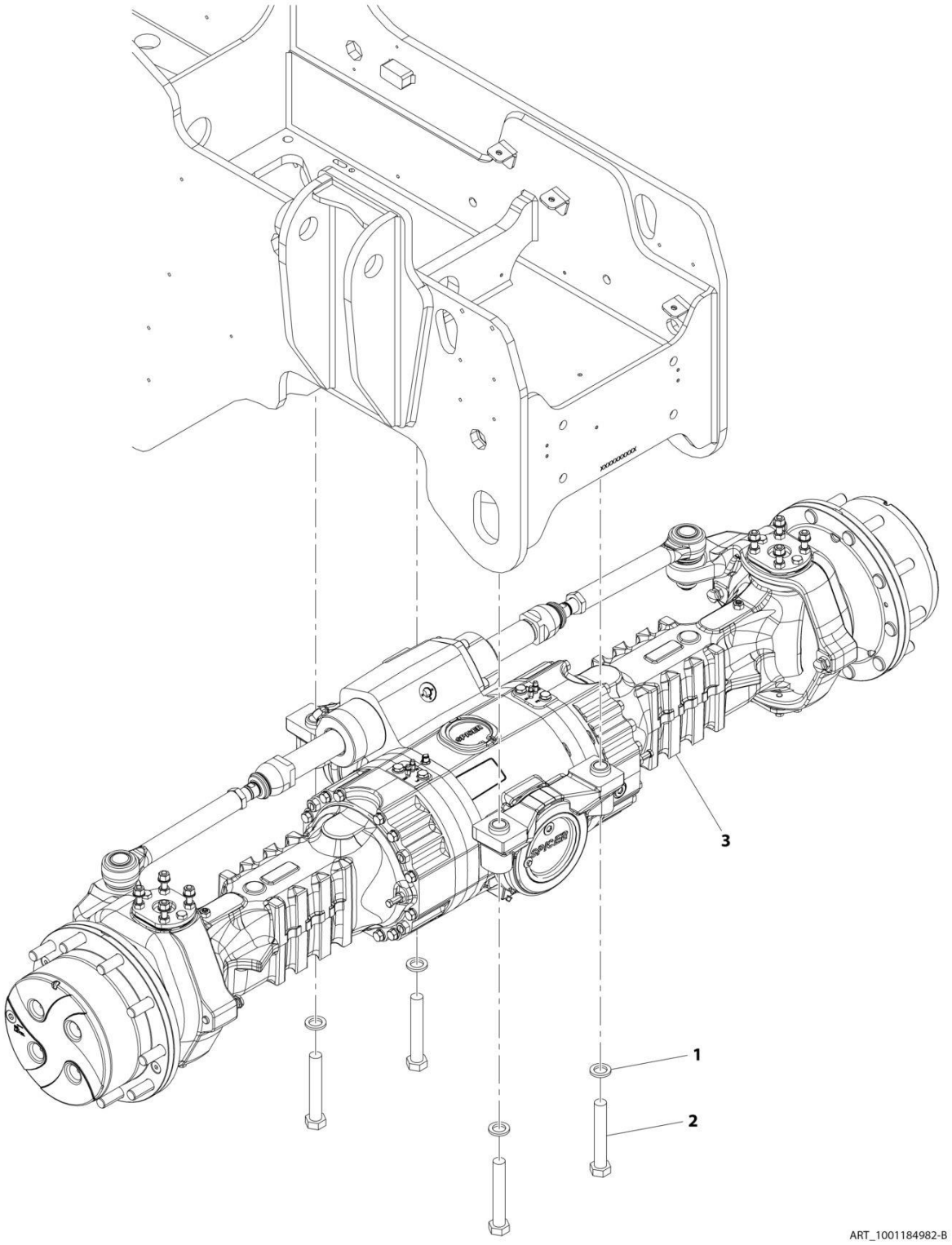
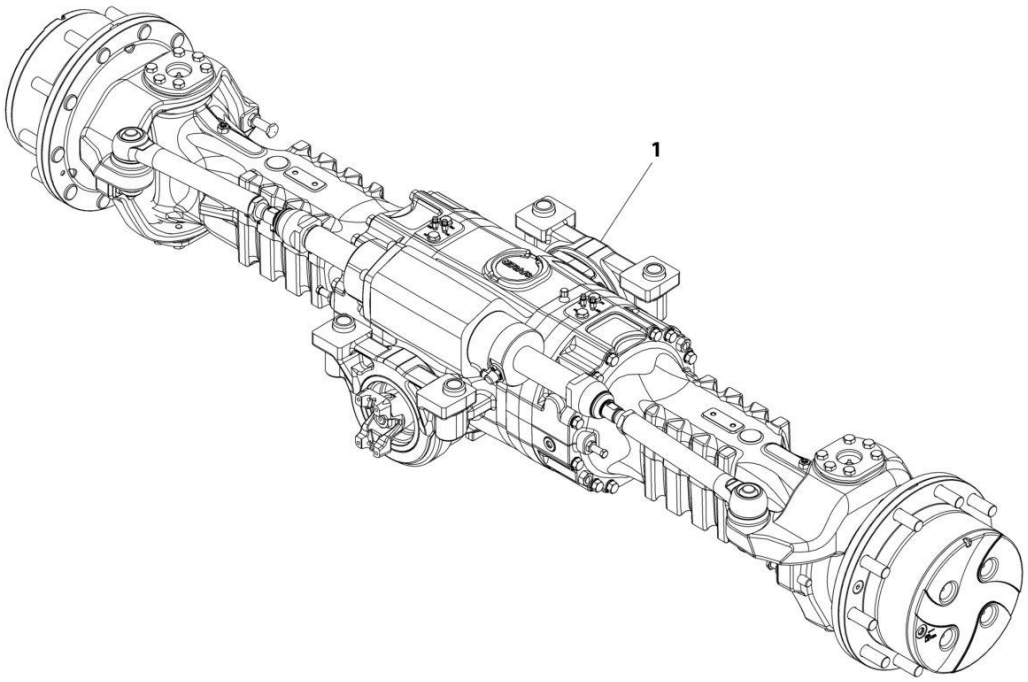


FIGURE 5-8. FRONT AXLE MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184982	Ref	Front Axle Mounting Installation	B
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24-3X150 Grade 10.9	
3	1001184984	1	Axle, Front (See Separate Breakdown in this Section)	

FIGURE 5-9. FRONT AXLE



ART_1001184984-F

FIGURE 5-9. FRONT AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184984	Ref	Front Axle	F
		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, Trunnion (See Separate Breakdown in this Section)	

FIGURE 5-10. FRONT AXLE, CENTRAL HOUSING

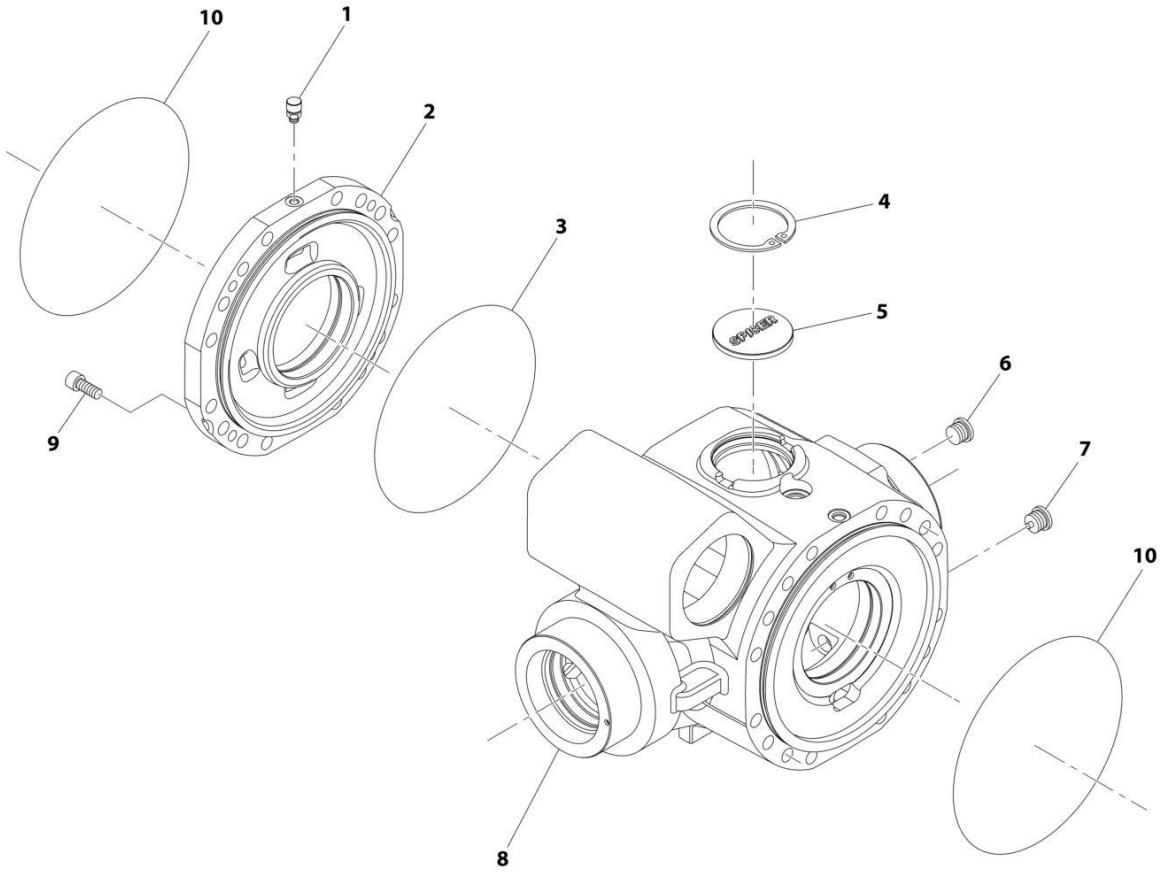


FIGURE 5-10. FRONT AXLE, CENTRAL HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184984	Ref	Front Axle, Central Housing	F
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 5-11. FRONT AXLE, DIFFERENTIAL

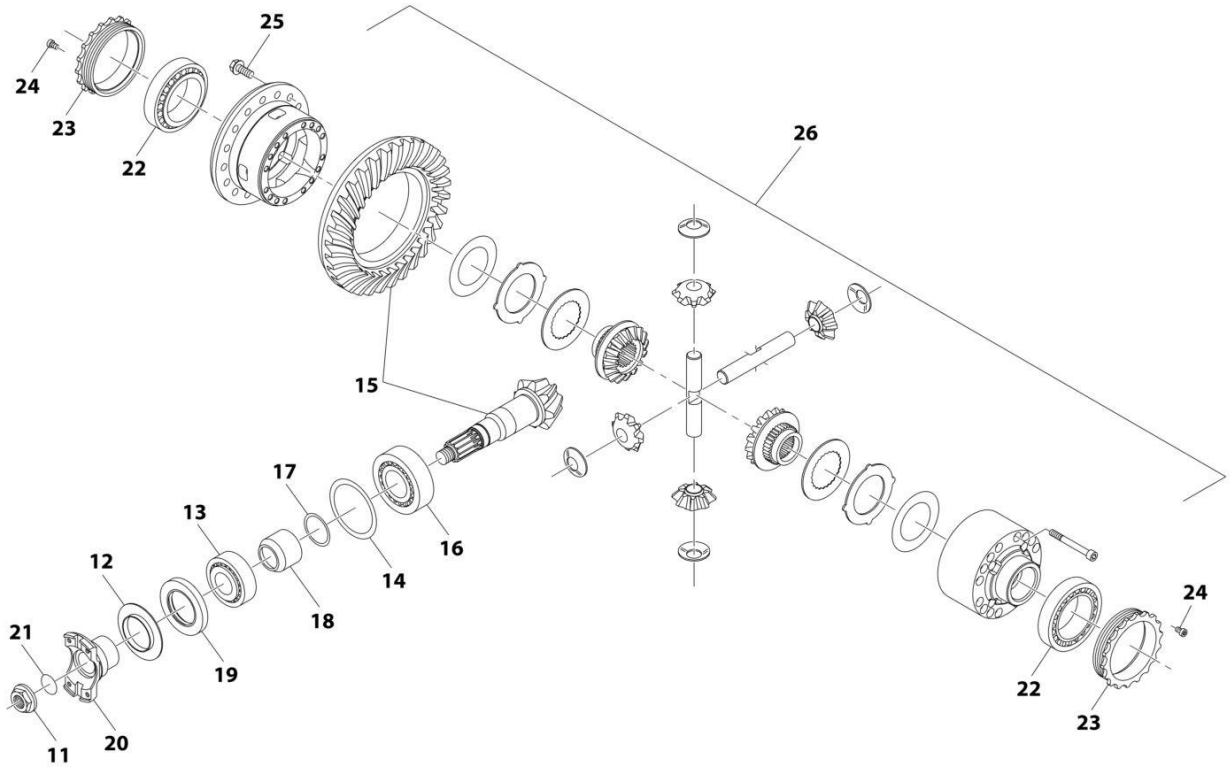


FIGURE 5-11. FRONT AXLE, DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184984	Ref	Front Axle, Differential	F
11	80204043	1	Nut	
12	91514130	1	Plate, Cover	
13	80204048	1	Bearing, Tape Roller	
14	70023469	1	Shim	
15	70028391	1	Gear, Bevel Set	
16	80204035	1	Bearing, Tape Roller	
17	70023494	1	Ring	
18	70022140	1	Spacer	
19	70025887	1	Seal	
20	70028401	1	Flange	
21	10725554	1	O-Ring	
22	80204033	2	Bearing, Tape Roller	
23	91514133	2	Nut, Ring	
24	91514134	2	Bolt	
25	91514123	16	Bolt	
26	70028390	1	Kit, Differential (See Separate Breakdown in this Section)	

FIGURE 5-12. DIFFERENTIAL KIT

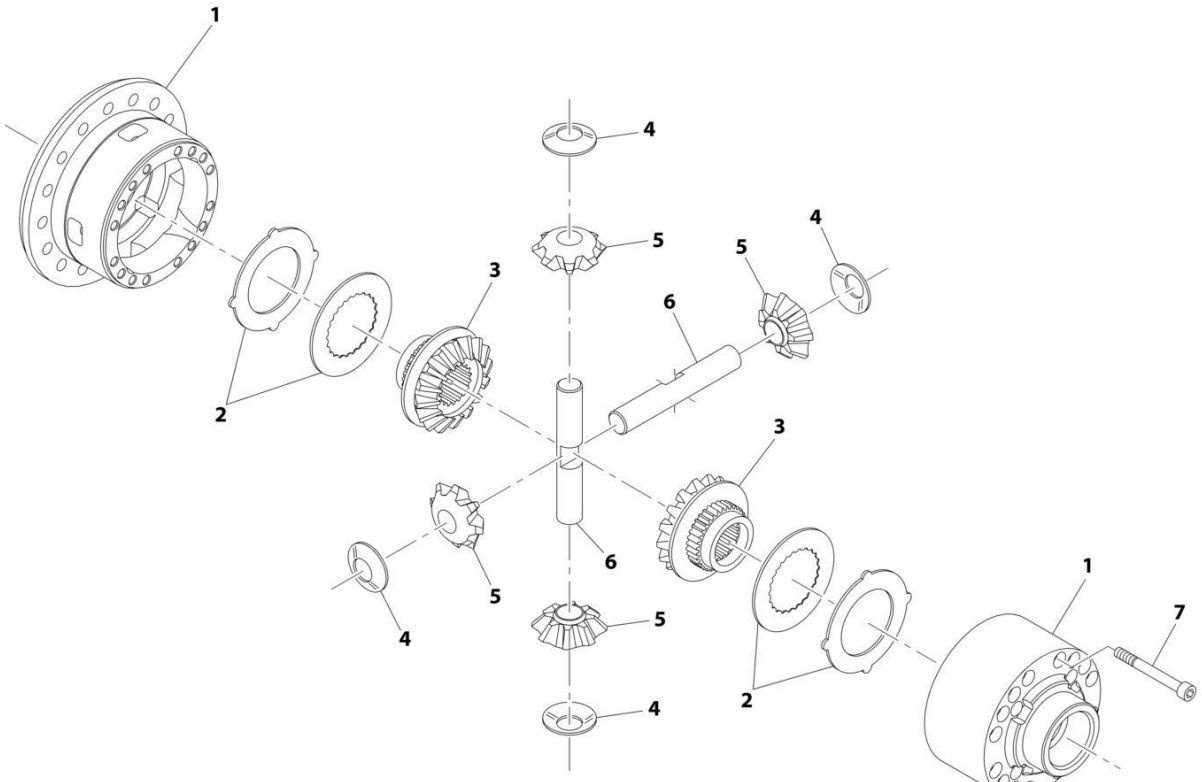


FIGURE 5-12. DIFFERENTIAL KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70028390	Ref	Differential Kit	
1	70024004	2	Carrier, Differential	
2	70026750	2	Disc, Clutch	
3	70025856	2	Gear, Differential Side	
4	70027105	4	Washer, Friction	
5	70025339	4	Pinion, Differential	
6	70023490	2	Shaft, Differential	
7	91514143	15	Bolt	

FIGURE 5-13. FRONT AXLE, HUB REDUCTION

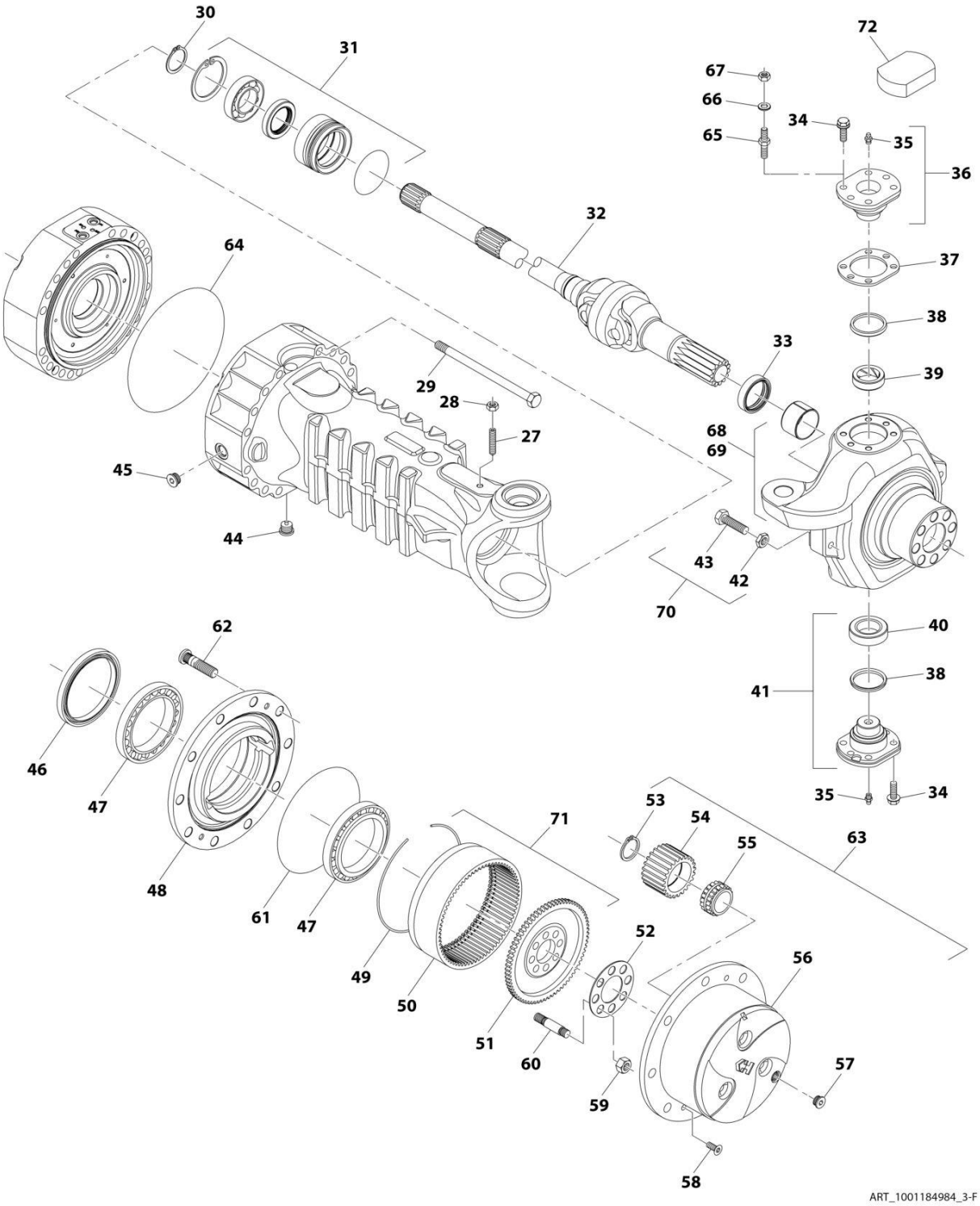


FIGURE 5-13. FRONT AXLE, HUB REDUCTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184984	Ref	Front Axle, Hub Reduction	F
27	91514081	2	Bolt	
28	91514082	2	Nut	
29	70025012	24	Bolt	
30	80204071	2	Circlip	
31	91514149	2	Kit, Reduction Bushing (See Separate Breakdown in this Section)	
32	70028396	2	Joint, Double Universal	
33	70026238	2	Seal	
34	70025562	20	Bolt	
35	70024881	2	Fitting, Grease	
36	91514112	2	Pin	
37	70025561	1	Shim	
38	7028716	2	Seal, Dust	
39	7028714	2	Bushing	
40	91514095	2	Bearing	
41	7028715	2	Pin	
42	80204065	4	Nut	
43	91514117	4	Bolt	
44	70028388	2	Plug	
45	70028389	2	Plug	
46	70026002	2	Seal	
47	80204076	4	Bearing, Taper Roller	
48	91514174	2	Hub, Wheel	
49	91514175	2	Circlip	
50	70024147	2	Gear, Ring	
51	91514177	2	Support, Ring Gear	
52	91514178	2	Plate	
53	91514184	8	Circlip	
54	91514185	8	Gear, Planet	
55	91514186	8	Bearing	
56	7029317	2	Carrier, Planet Gear	
57	70028387	2	Plug	
58	91514189	4	Bolt, Countersunk	
59	91514179	16	Nut	
60	91514180	16	Stud	
61	91514181	2	O-Ring	
62	80214120	NLA	Stud, Wheel (Use PN 70030365)	
62	70030365	20	Stud, Wheel	
63	7029743	2	Kit, Planet Gear Carrier	
64	91514089	2	O-Ring	
65	70025014	8	Stud	
66	91514084	8	Washer	
67	91514083	8	Nut	
68	70026260	1	Steering Case Assembly (LH Steer Link) (See Separate Breakdown in this Section)	
69	70026261	1	Steering Case Assembly (RH Steer Link) (See Separate Breakdown in this Section)	
70	7028733	4	Bolt, Steering Adjust	
71	70024146	2	Kit, Ring Gear Support (See Separate Breakdown in this Section)	
72	70028392	2	Cover	

FIGURE 5-14. FRONT AXLE, BRAKES

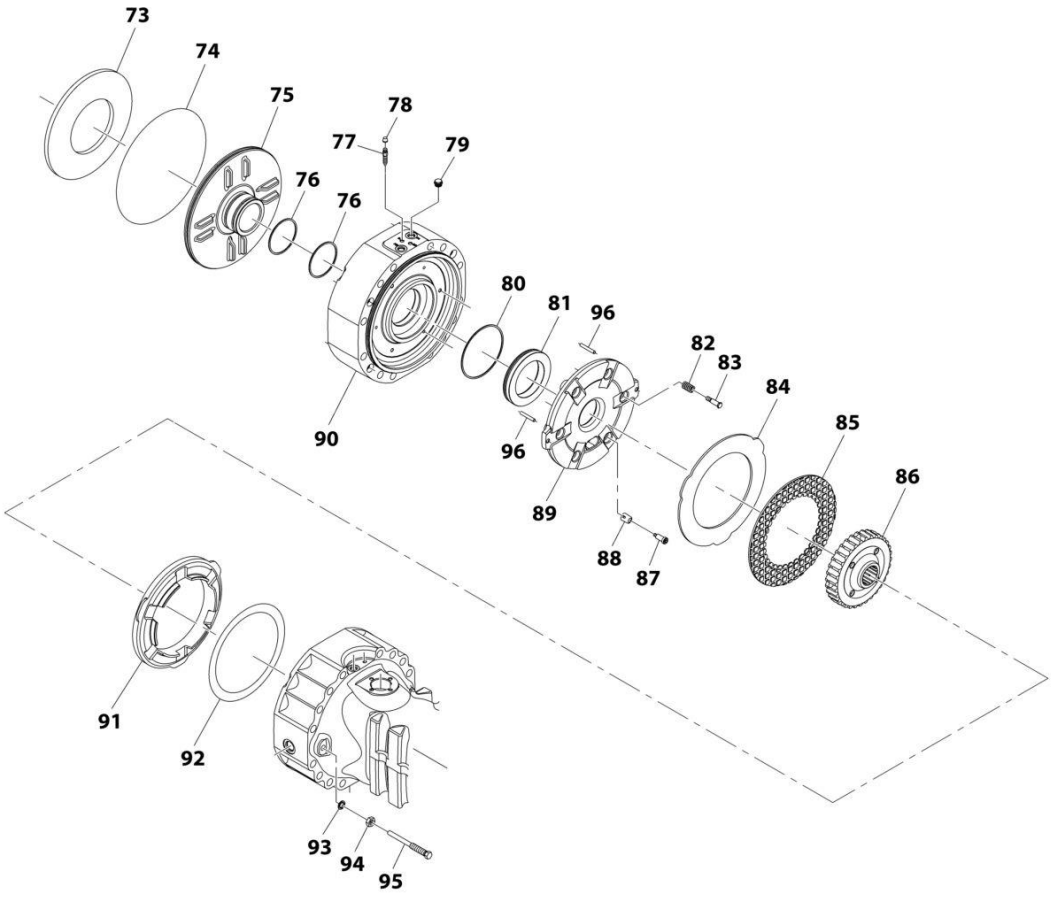


FIGURE 5-14. FRONT AXLE, BRAKES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184984	Ref	Front Axle, Brakes	F
73	91514151	2	Washer	
74	91514089	2	O-Ring	
75	70027092	2	Piston	
76	70026262	4	Seal	
77	80204281	4	Bolt, Bleeding	
78	80204117	4	Plug	
79	91514154	4	Plug	
80	70026263	2	Seal	
81	70027796	2	Piston	
82	91514159	6	Spring	
83	70024210	6	Bolt, Adjusting	
84	70027022	6	Disc, Intermediate Brake	
85	7029735	6	Disc, Brake	
86	7029734	2	Bushing, Reduction	
87	7029787	6	Bolt, Adjusting	
88	70027317	6	Spring	
89	70024849	2	Disc, Intermediate Brake	
90	70024848	2	Cover	
91	70026264	2	Spacer	
92	70025970	1	Shim	
93	80204108	4	Washer, Lock	
94	80204060	4	Nut	
95	70024213	4	Bolt	
96	70024215	4	Dowel	

FIGURE 5-15. FRONT AXLE, STEERING

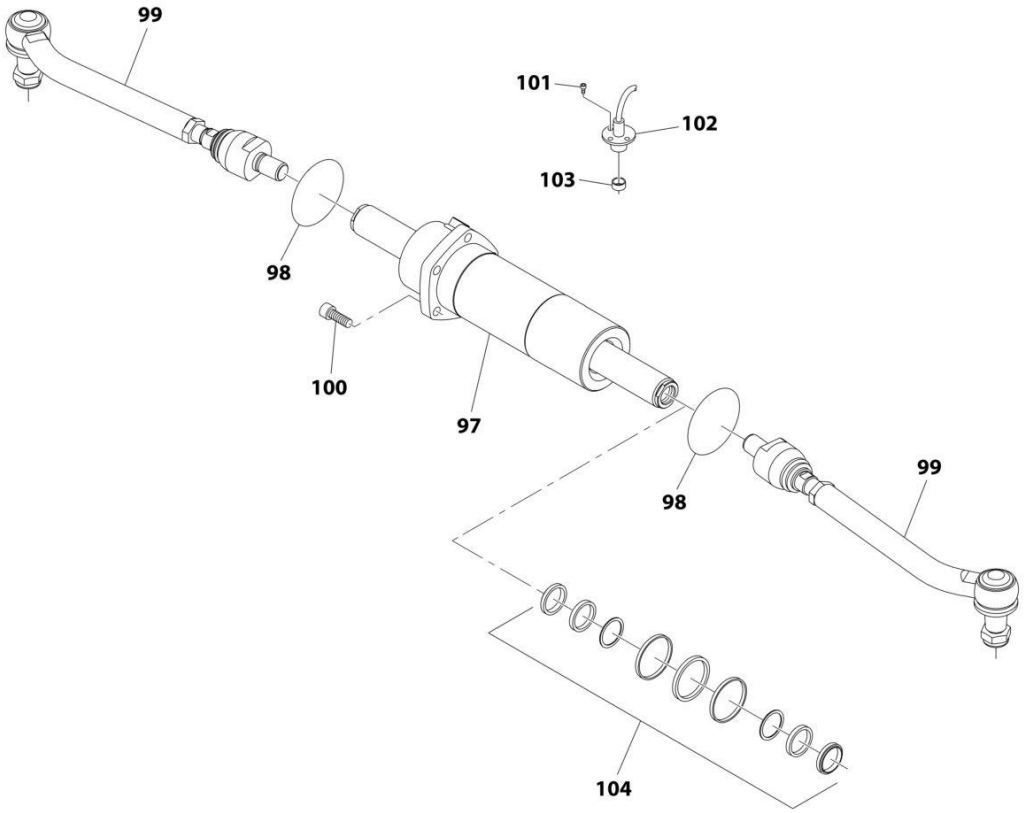
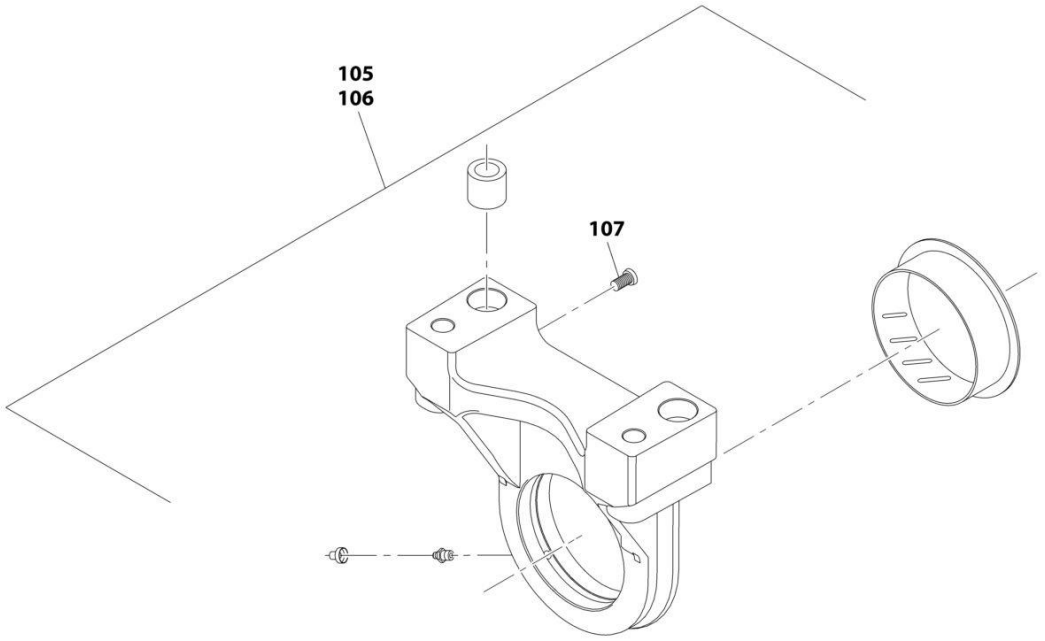


FIGURE 5-15. FRONT AXLE, STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184984	Ref	Front Axle, Steering	F
97	70028393	1	Cylinder	
98	80204143	2	O-Ring	
99	70028394	2	Rod, Articulated Tie	
99	70022773	2	Nut	
100	80204144	5	Bolt	
101	8008175	2	Bolt	
102	70027986	1	Optical Sensor	
103	7029307	1	Plug	
104	7029127	1	Kit, Seal	

FIGURE 5-16. FRONT AXLE, TRUNION



ART_1001184984_6-F

FIGURE 5-16. FRONT AXLE, TRUNION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184984	Ref	Front Axle, Trunion	F
105	70026266	1	Kit, Trunnion (See Separate Breakdown in this Section)	
106	70026265	1	Support	
107	70025884	1	Bolt	

FIGURE 5-17. FRONT AXLE LINES INSTALLATION

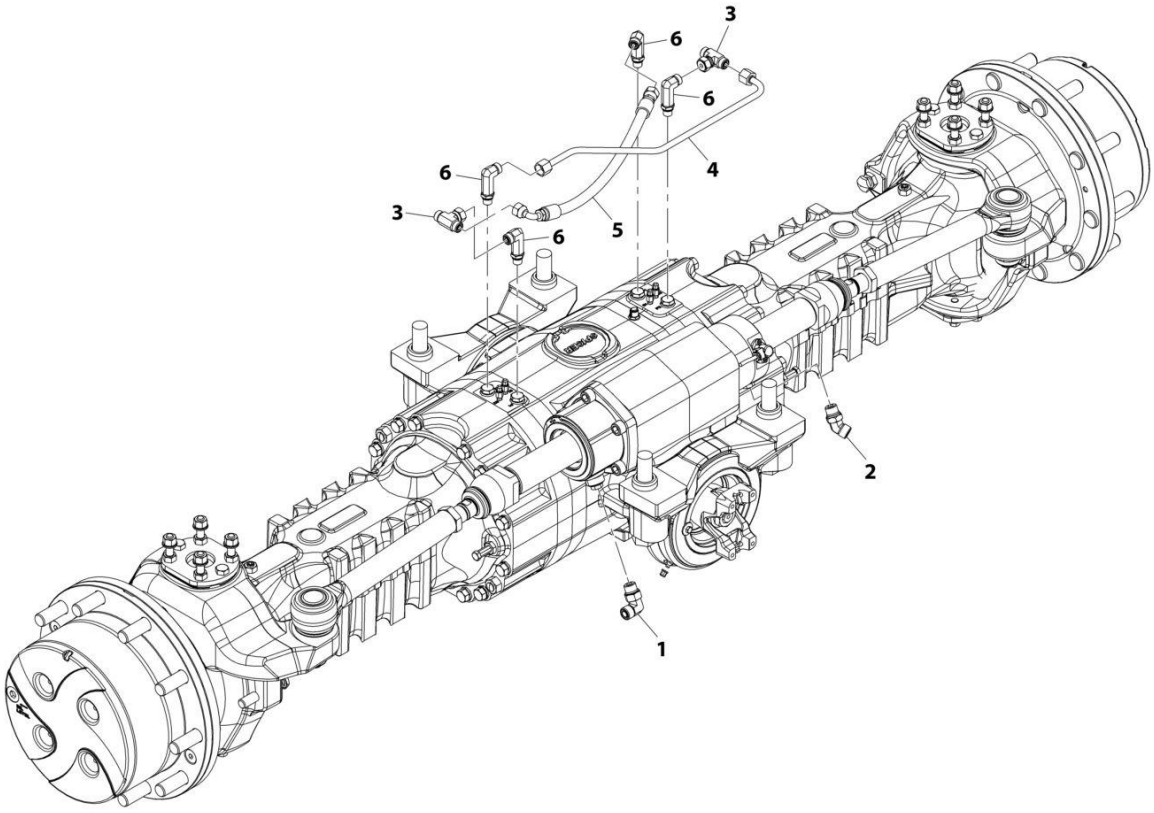


FIGURE 5-17. FRONT AXLE LINES INSTALLATION

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 5-18. REAR AXLE INSTALLATION

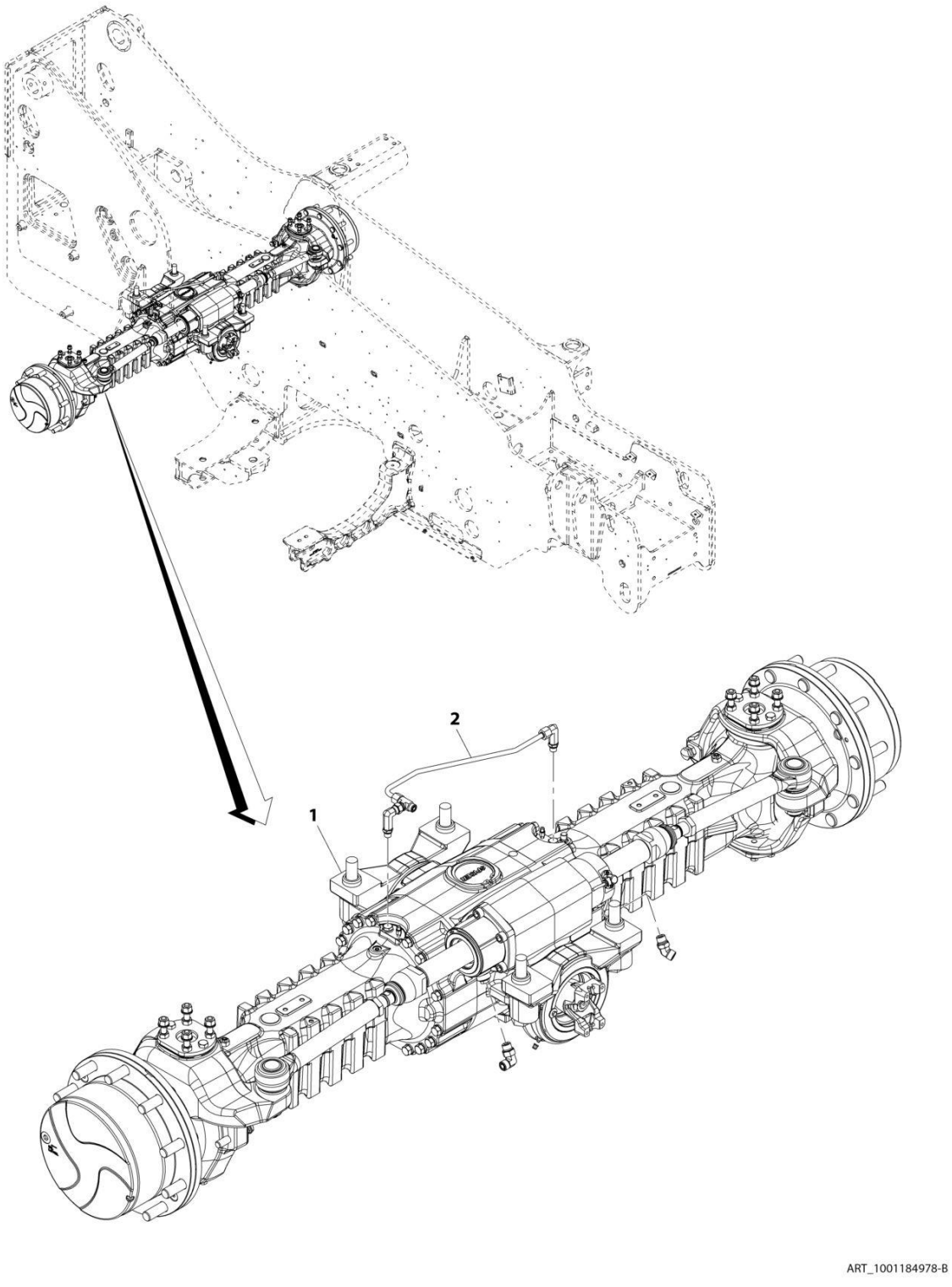


FIGURE 5-18. REAR AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184978	Ref	Rear Axle Installation	B
1	1001184983	Ref	Installation, Rear Axle Mounting (See Separate Breakdown in this Section)	
2	1001207899	Ref	Installation, Rear Axle Lines (See Separate Breakdown in this Section)	

FIGURE 5-19. REAR AXLE MOUNTING INSTALLATION

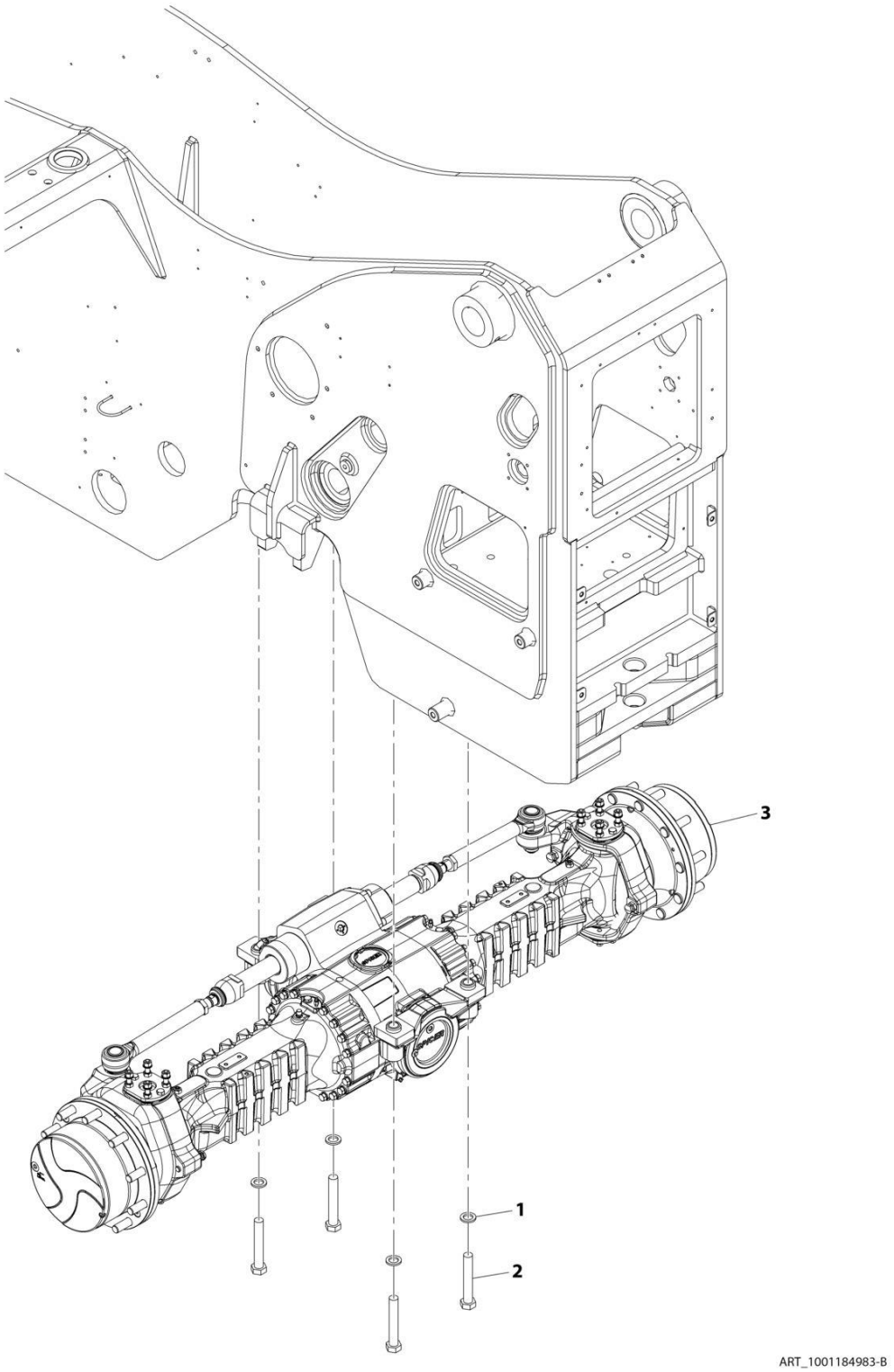


FIGURE 5-19. REAR AXLE MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184983	Ref	Rear Axle Mounting Installation	B
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24-3X150 Grade 10.9	
3	1001184985	Ref	Axle, Rear (See Separate Breakdown in this Section)	

FIGURE 5-20. REAR AXLE, BRAKES

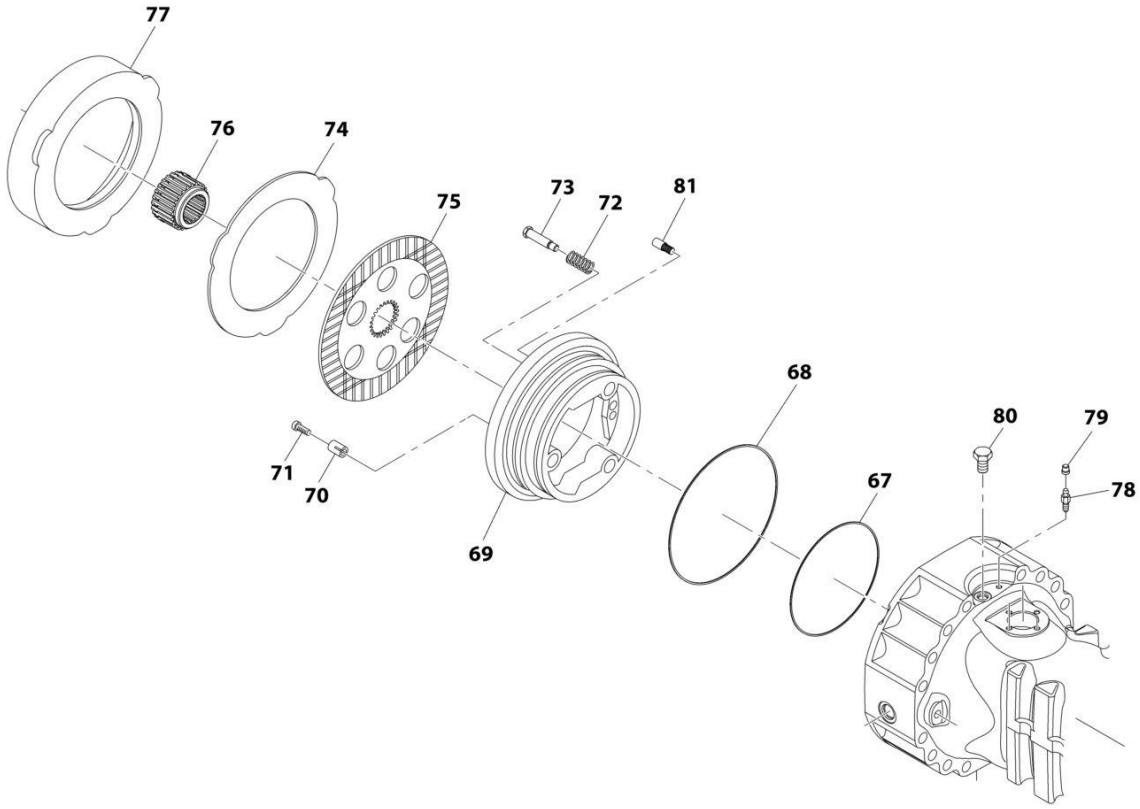


FIGURE 5-20. REAR AXLE, BRAKES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184985	Ref	Rear Axle, Brakes	F
67	70026747	2	Seal	
68	70026748	2	Seal	
69	70024216	2	Piston	
70	70027317	6	Spring	
71	7029785	6	Bolt, Adjusting	
72	91514159	6	Spring	
73	70024210	6	Bolt, Adjusting	
74	70027022	6	Disc, Intermediate Brake	
75	7029735	6	Disc, Brake	
76	7029734	2	Bushing, Reduction	
77	70021606	2	Spacer	
78	80204281	2	Bolt, Bleeding	
79	80204117	2	Plug	
80	91514154	2	Bolt	
81	70021613	2	Bolt, Pilot	

FIGURE 5-21. REAR AXLE, STEERING

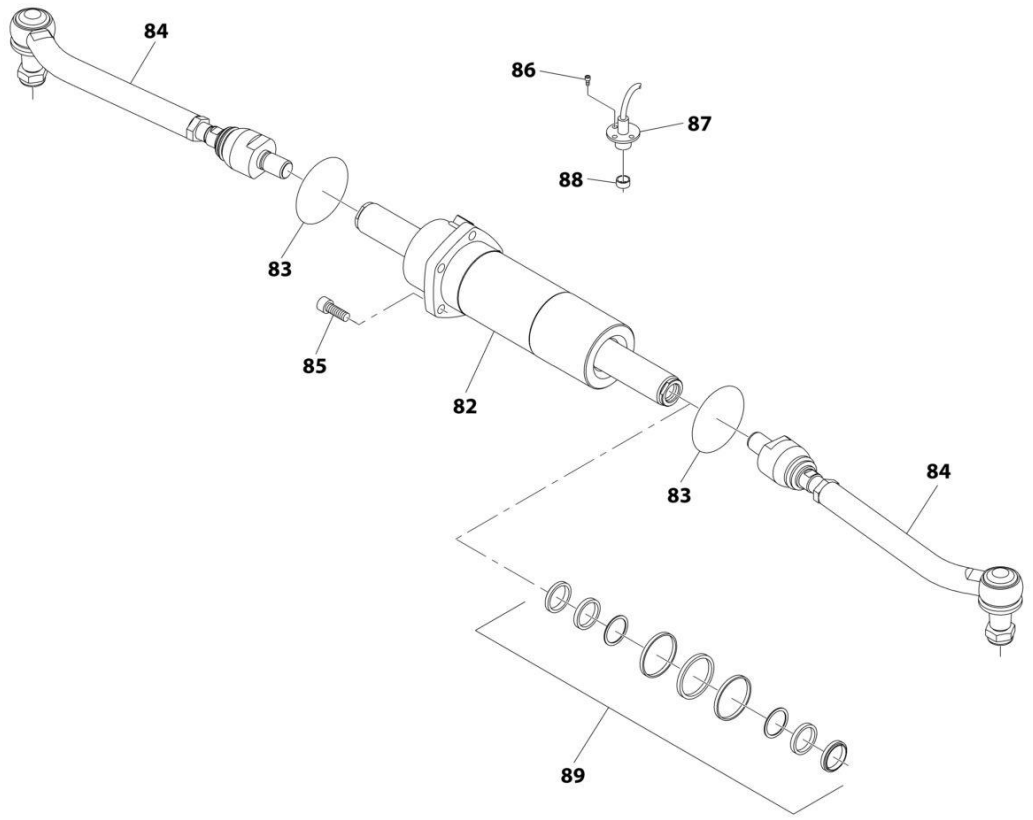
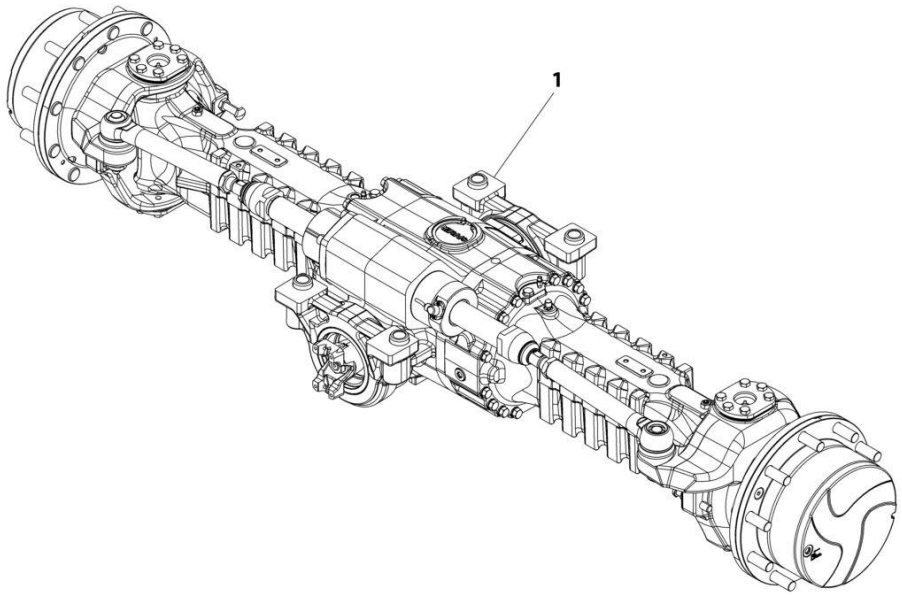


FIGURE 5-21. REAR AXLE, STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184985	Ref	Rear Axle, Steering	F
82	70028393	1	Cylinder	
83	80204143	2	O-Ring	
84	70028394	2	Rod, Articulated Tie	
84	70022773	2	Nut	
85	80204144	5	Bolt	
86	8008175	2	Bolt	
87	70027986	1	Sensor, Optical	
88	7029307	1	Plug	
89	7029127	1	Kit, Seal	

FIGURE 5-22. REAR AXLE



ART_1001184985-F

FIGURE 5-22. REAR AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001184985	Ref	Rear Axle	F
		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 5-23. REAR AXLE, CENTRAL HOUSING

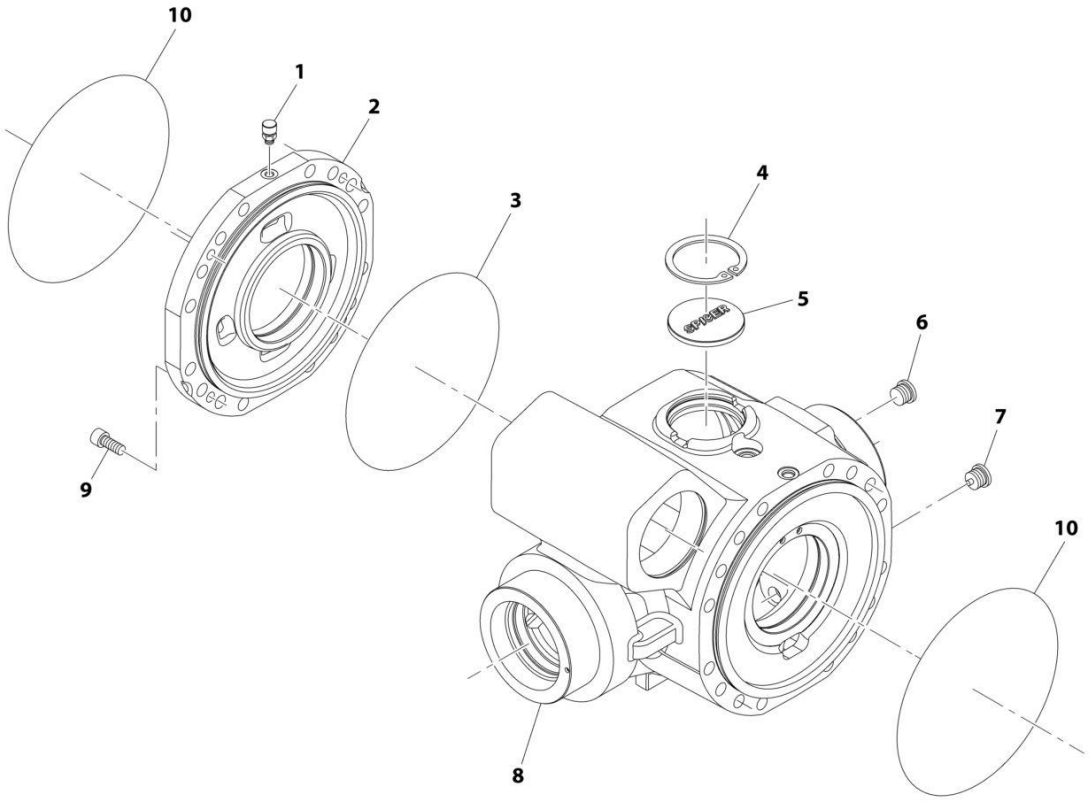


FIGURE 5-23. REAR AXLE, CENTRAL HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184985	Ref	Rear Axle, Central Housing	F
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 5-24. REAR AXLE, DIFFERENTIAL

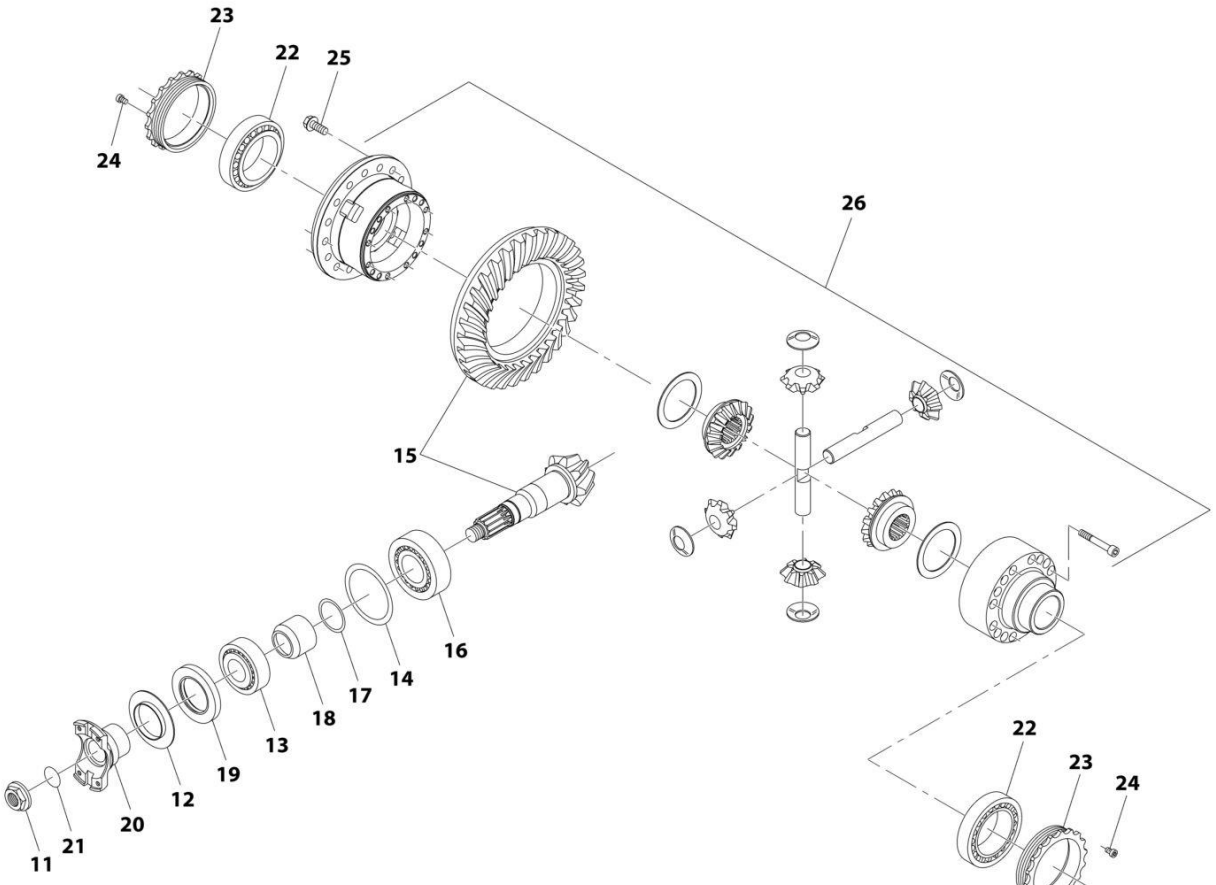


FIGURE 5-24. REAR AXLE, DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184985	Ref	Rear Axle, Differential	F
11	80204043	1	Nut	
12	91514130	1	Plate, Cover	
13	80204048	1	Bearing, Taper Roller	
14	70023469	1	Shim	
15	70028399	1	Gear, Bevel Set	
16	80204035	1	Bearing, Taper Roller	
17	70023494	1	Ring	
18	70022140	1	Spacer	
19	70025887	1	Seal	
20	70028401	1	Flange	
21	10725554	1	O-Ring	
22	80204033	2	Bearing, Taper Roller	
23	91514133	2	Nut, Ring	
24	91514134	2	Bolt	
25	39844923	16	Bolt	
26	70028398	1	Kit, Differential (See Separate Breakdown in this Section)	

FIGURE 5-25. DIFFERENTIAL KIT

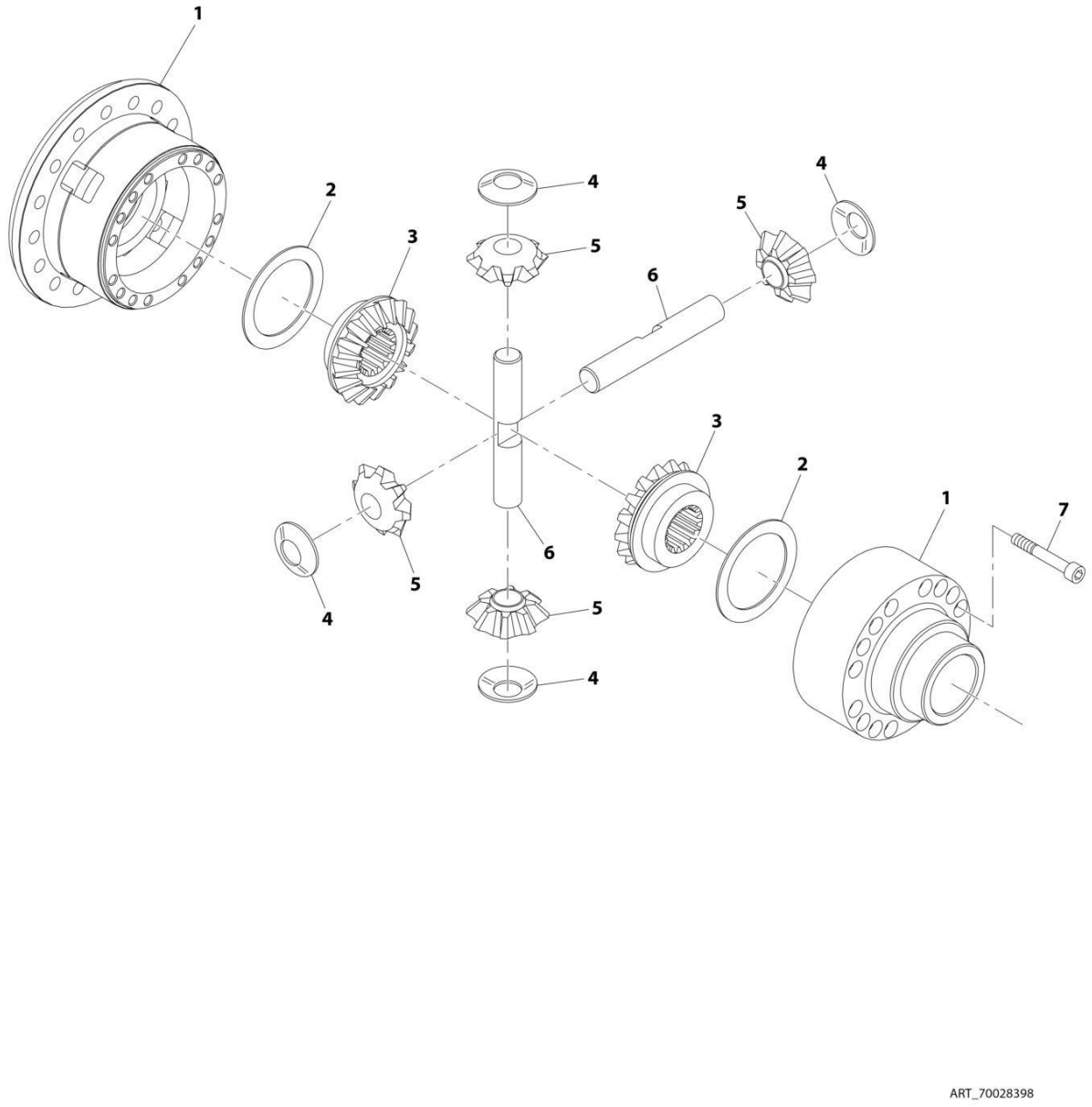


FIGURE 5-25. DIFFERENTIAL KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70028398	Ref	Differential Kit	
1	70025337	1	Carrier, Differential	
2	70023493	2	Washer, Friction	
3	70025338	2	Gear, Differential Side	
4	70027105	4	Washer, Friction	
5	70025339	4	Pinion, Differential	
6	70023490	2	Shaft, Differential	
7	70023489	15	Bolt	

FIGURE 5-26. REAR AXLE, HUB REDUCTION

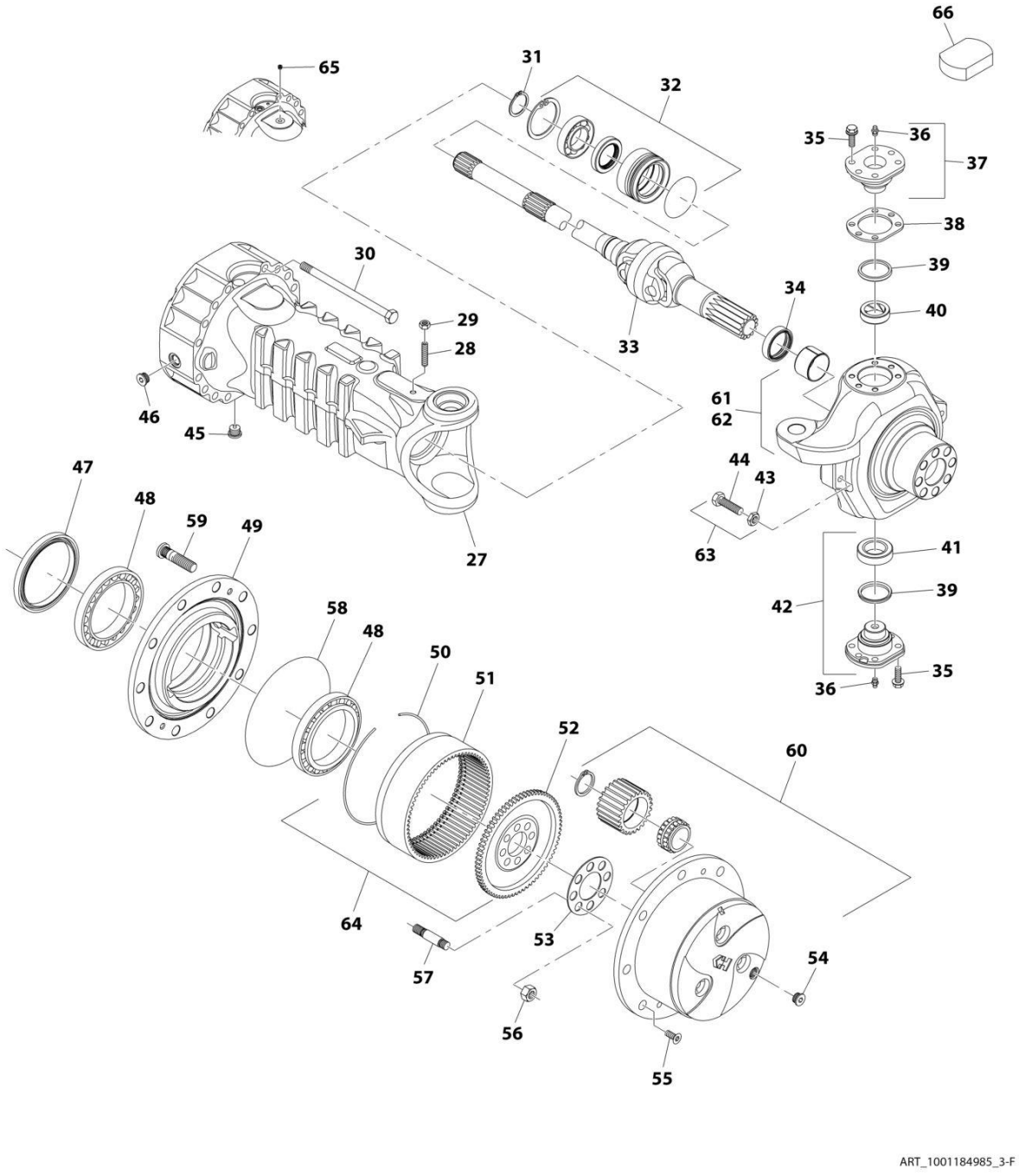
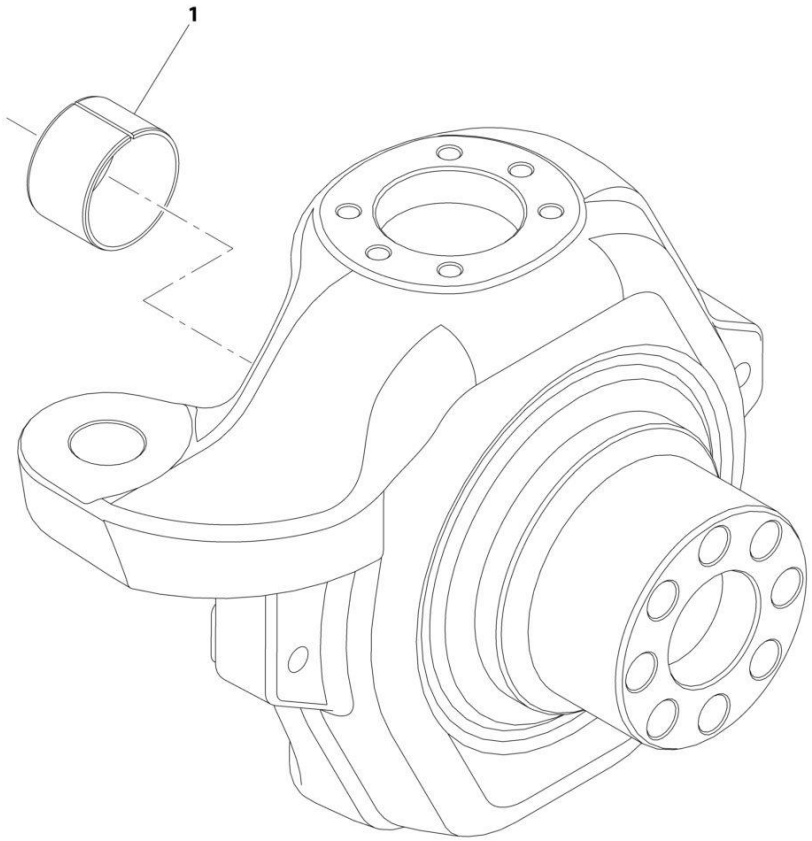


FIGURE 5-26. REAR AXLE, HUB REDUCTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184985	Ref	Rear Axle, Hub Reduction	F
27	70028400	2	Case, Axle	
28	91514081	2	Bolt	
29	91514082	2	Nut	
30	70028397	32	Bolt	
31	80204071	2	Circlip	
32	91514149	2	Kit, Reduction Bushing (See Separate Breakdown in this Section)	
33	70028396	2	Joint, Double Universal	
34	70026238	2	Seal	
35	70025562	20	Bolt	
36	70024881	2	Fitting, Grease	
37	91514112	2	Pin	
38	70025561	1	Shim	
39	7028716	2	Seal, Dust	
40	7028714	2	Bushing	
41	91514095	2	Bearing	
42	7028715	2	Pin	
43	80204065	4	Nut	
44	91514117	4	Bolt	
45	70028388	2	Plug	
46	70028387	2	Plug	
47	70026002	2	Seal	
48	80204076	4	Bearing, Taper Roller	
49	91514174	2	Hub, Wheel	
50	91514175	2	Circlip	
51	70024147	2	Gear, Ring	
52	91514177	2	Gear, Ring Support	
53	91514178	2	Plate, Locking	
54	70028389	2	Plug	
55	91514189	4	Bolt, Countersunk	
56	91514179	16	Nut	
57	91514180	16	Stud	
58	91514181	2	O-Ring	
59	80214120	20	Stud	
60	7029733	2	Kit, Planet Gear Carrier (See Separate Breakdown in this Section)	
61	70026260	1	Steering Case Assembly (LH Steer Link) (See Separate Breakdown in this Section)	
62	70026261	1	Steering Case Assembly (RH Steer Link) (See Separate Breakdown in this Section)	
63	7028733	4	Bolt, Steering Adjust	
64	70024146	2	Kit, Ring Gear Support (See Separate Breakdown in this Section)	
65	80204012	2	Plug	
66	70028392	2	Cover	

FIGURE 5-27. STEERING CASE ASSEMBLY (LH STEER LINK)

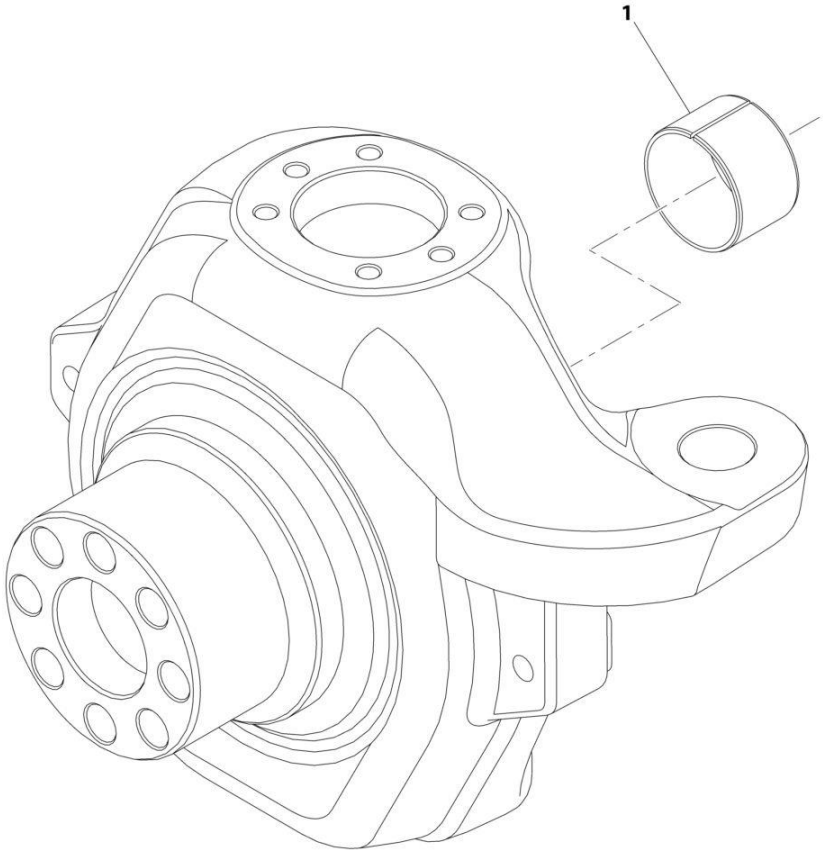


ART_70026260

FIGURE 5-27. STEERING CASE ASSEMBLY (LH STEER LINK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70026260	Ref	STEERING CASE ASSEMBLY (LH STEER LINK)	
1	91514111	1	Bushing, Thrust	

FIGURE 5-28. STEERING CASE ASSEMBLY (RH STEER LINK)



ART_70026261

FIGURE 5-28. STEERING CASE ASSEMBLY (RH STEER LINK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70026261	Ref	STEERING CASE ASSEMBLY (RH STEER LINK)	
1	91514111	1	Bushing, Thrust	

FIGURE 5-29. REAR AXLE, TRUNION

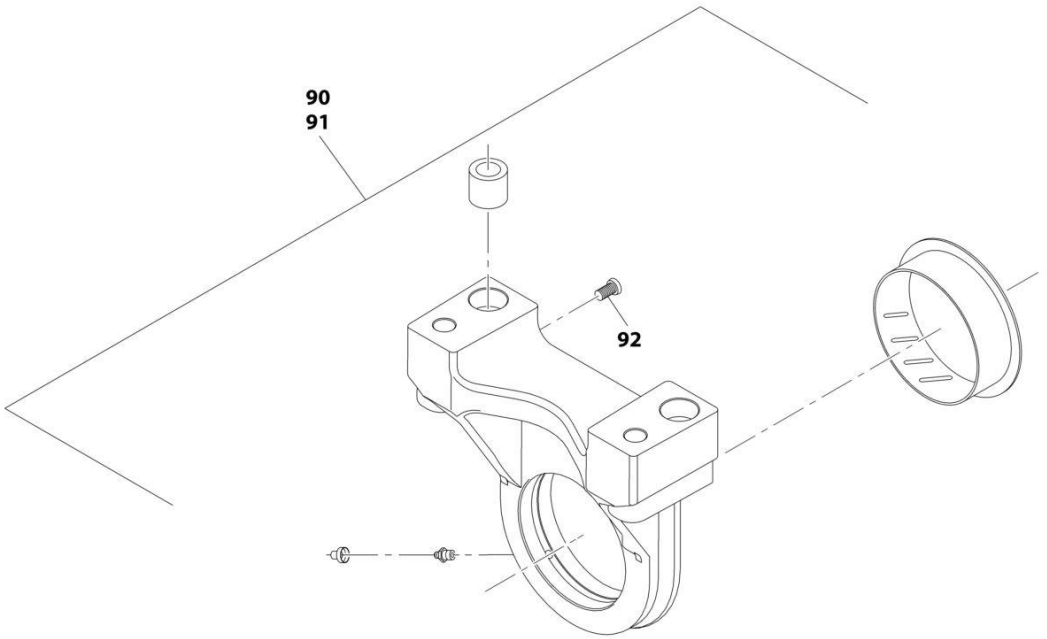


FIGURE 5-29. REAR AXLE, TRUNION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184985	Ref	Rear Axle, Trunion	F
90	70026266	1	Kit, Trunnion (See Separate Breakdown in this Section)	
91	70026265	1	Support	
92	70025884	1	Bolt	

FIGURE 5-30. TRUNION KIT

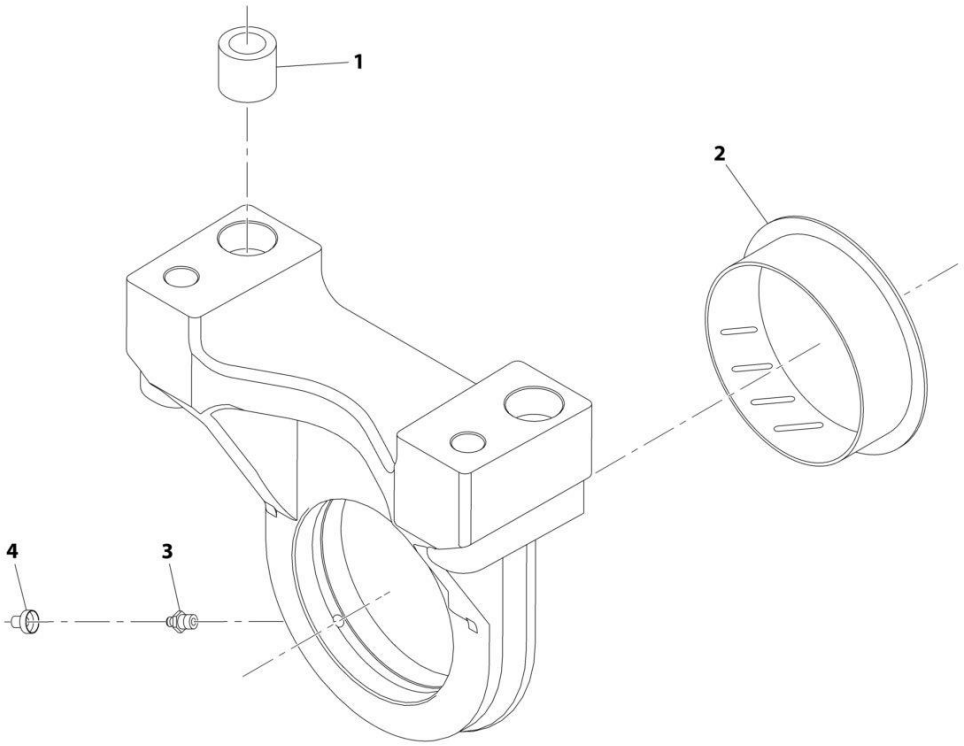


FIGURE 5-30. TRUNION KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70026266	Ref	Trunion Kit	
1	7029290	2	Bushing, Reduction	
2	91514090	1	Bushing, Thrust	
3	70024881	1	Fitting, Grease	
4	80204117	1	Plug	

FIGURE 5-31. RING GEAR SUPPORT KIT

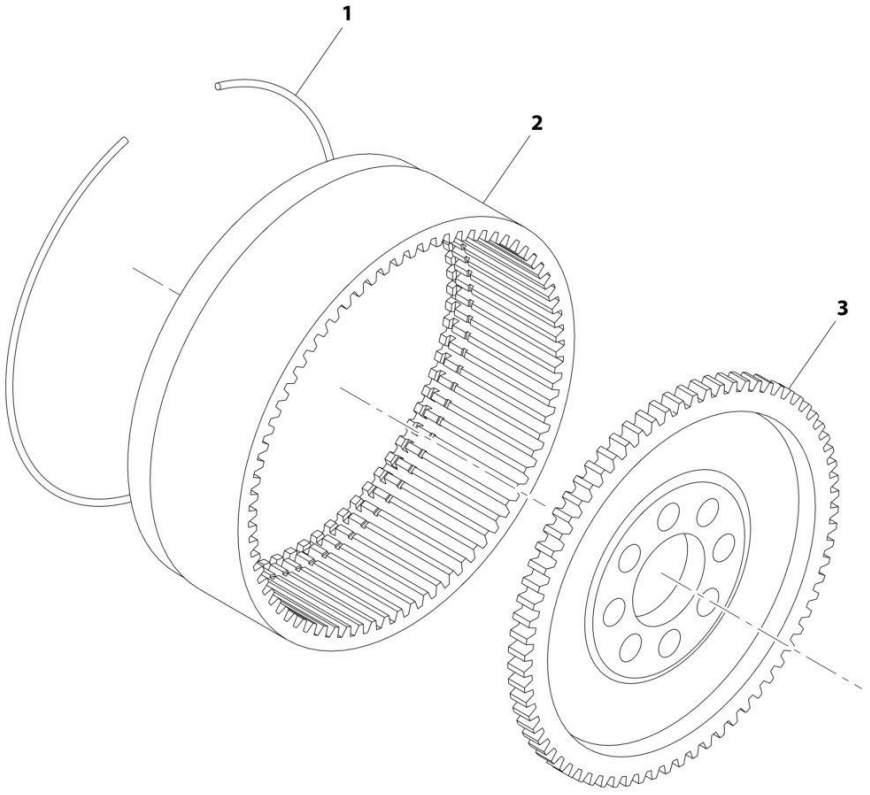


FIGURE 5-31. RING GEAR SUPPORT KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70024146	Ref	Ring Gear Support Kit	
1	91514175	1	Circlip	
2	70024147	1	Gear, Ring	
3	91514177	1	Gear, Ring Support	

FIGURE 5-32. REDUCTION BUSHING KIT

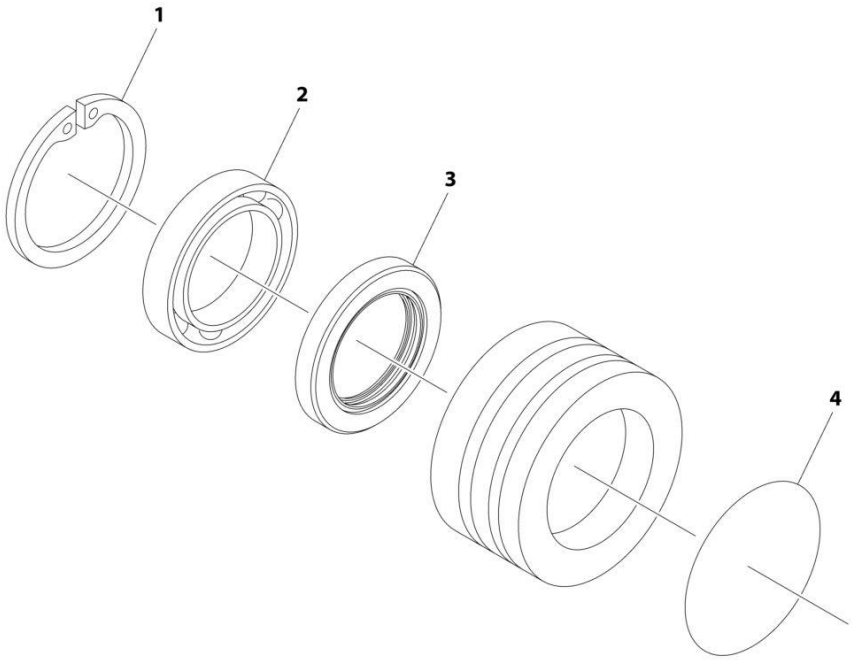


FIGURE 5-32. REDUCTION BUSHING KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91514149	Ref	Reduction Bushing Kit	
1	80204005	2	Circlip	
2	91514146	2	Bearing, Ball	
3	91514147	2	Seal	
4	91514148	2	O-Ring	

FIGURE 5-33. PLANET GEAR CARRIER KIT

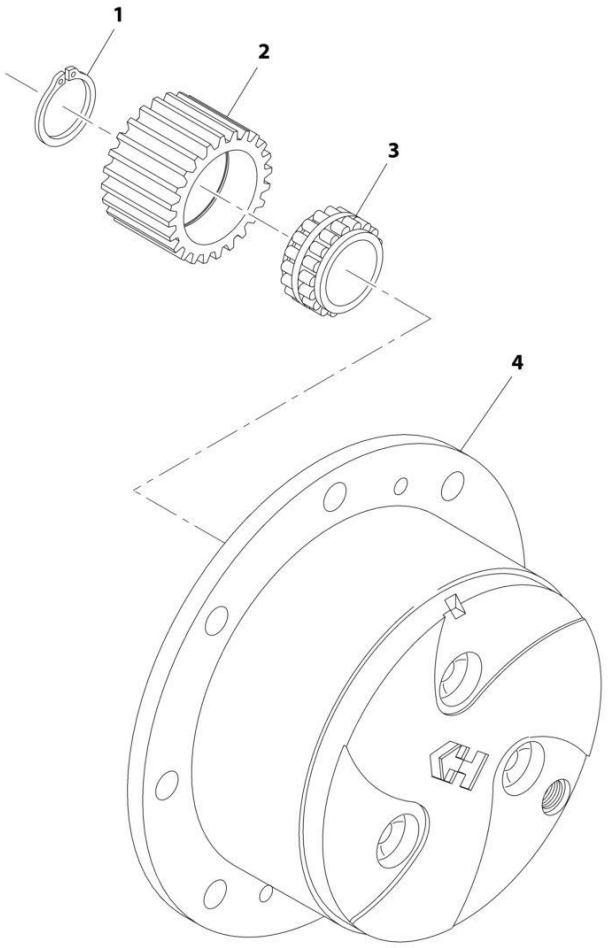


FIGURE 5-33. PLANET GEAR CARRIER KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7029733	Ref	Planet Gear Carrier Kit	
1	91514184	3	Circlip	
2	91514185	6	Gear, Planet	
3	91514186	6	Bearing	
4	7026731	1	Carrier, Planet Gear	

FIGURE 5-34. REAR AXLE LINES INSTALLATION

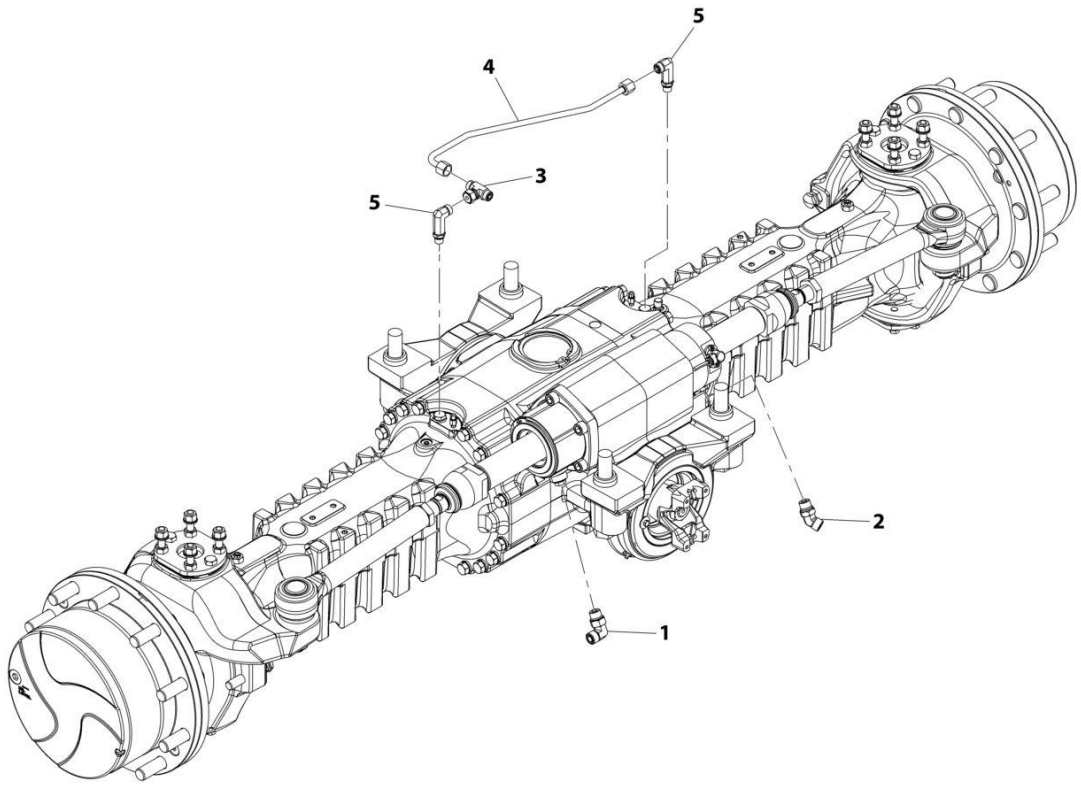


FIGURE 5-34. REAR AXLE LINES INSTALLATION

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 5-35. TIRE/WHEEL SET (AIR 17.5-25 - 20 PLY)

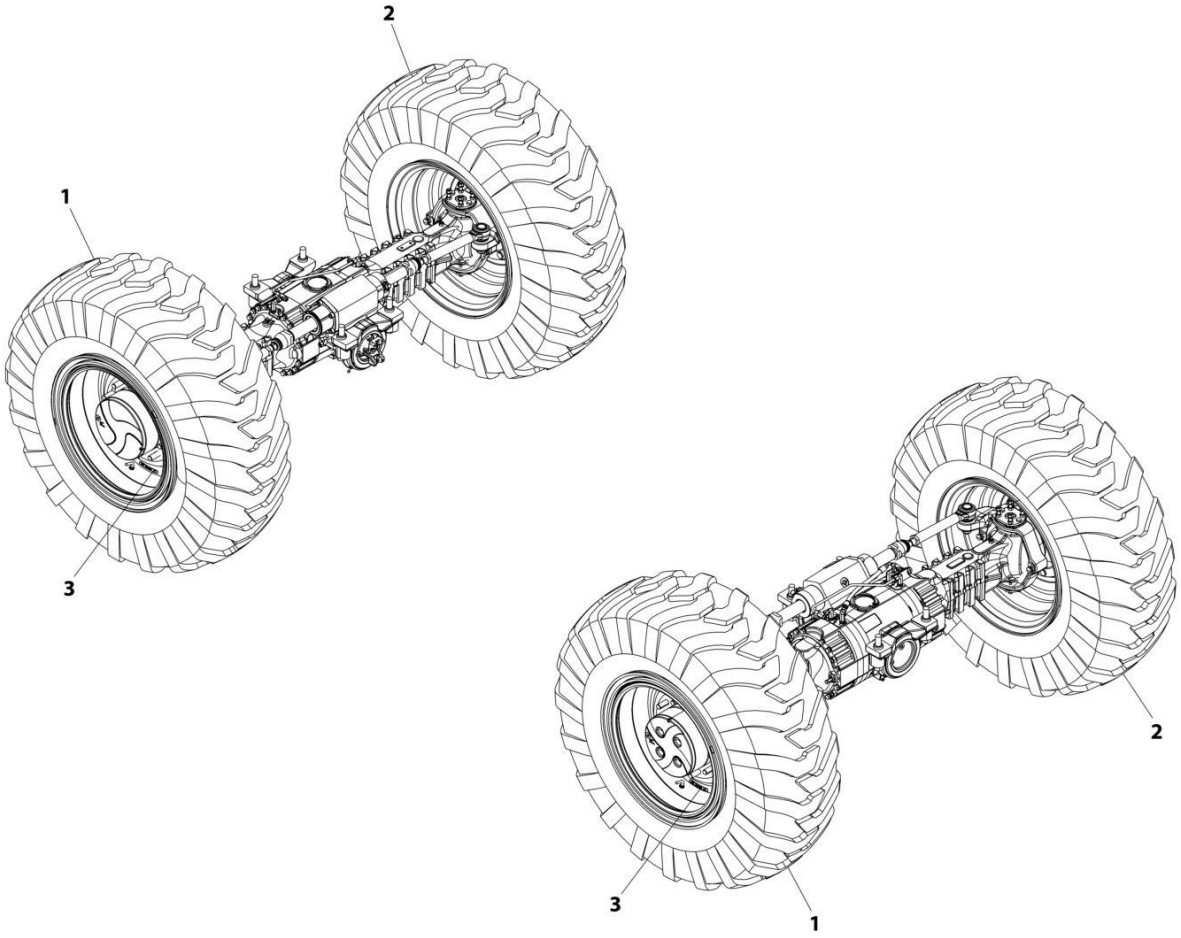


FIGURE 5-35. TIRE/WHEEL SET (AIR 17.5-25 - 20 PLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192168	1	Tire/Wheel Set (Air 17.5-25 - 20 PLY)	C
1	1001192177	2	Assembly, Right Tire/Wheel (Air 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	1001192178	2	Assembly, Left Tire/Wheel (Air 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	
3	1001229201	4	Decal	

FIGURE 5-36. TIRE/WHEEL SET (FOAM 17.5-25 - 20 PLY)

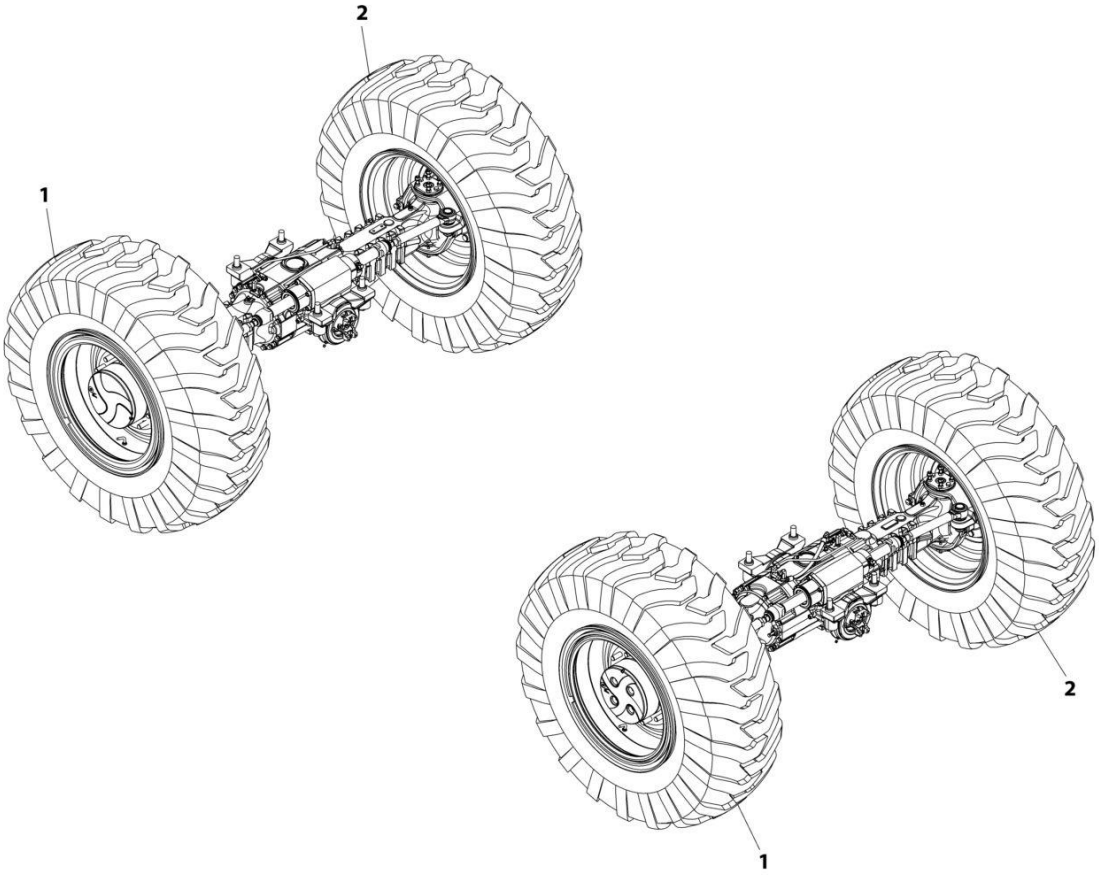


FIGURE 5-36. TIRE/WHEEL SET (FOAM 17.5-25 - 20 PLY)

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 5-37. TIRE/WHEEL SET (AIR 17.5 R25 - RADIAL)

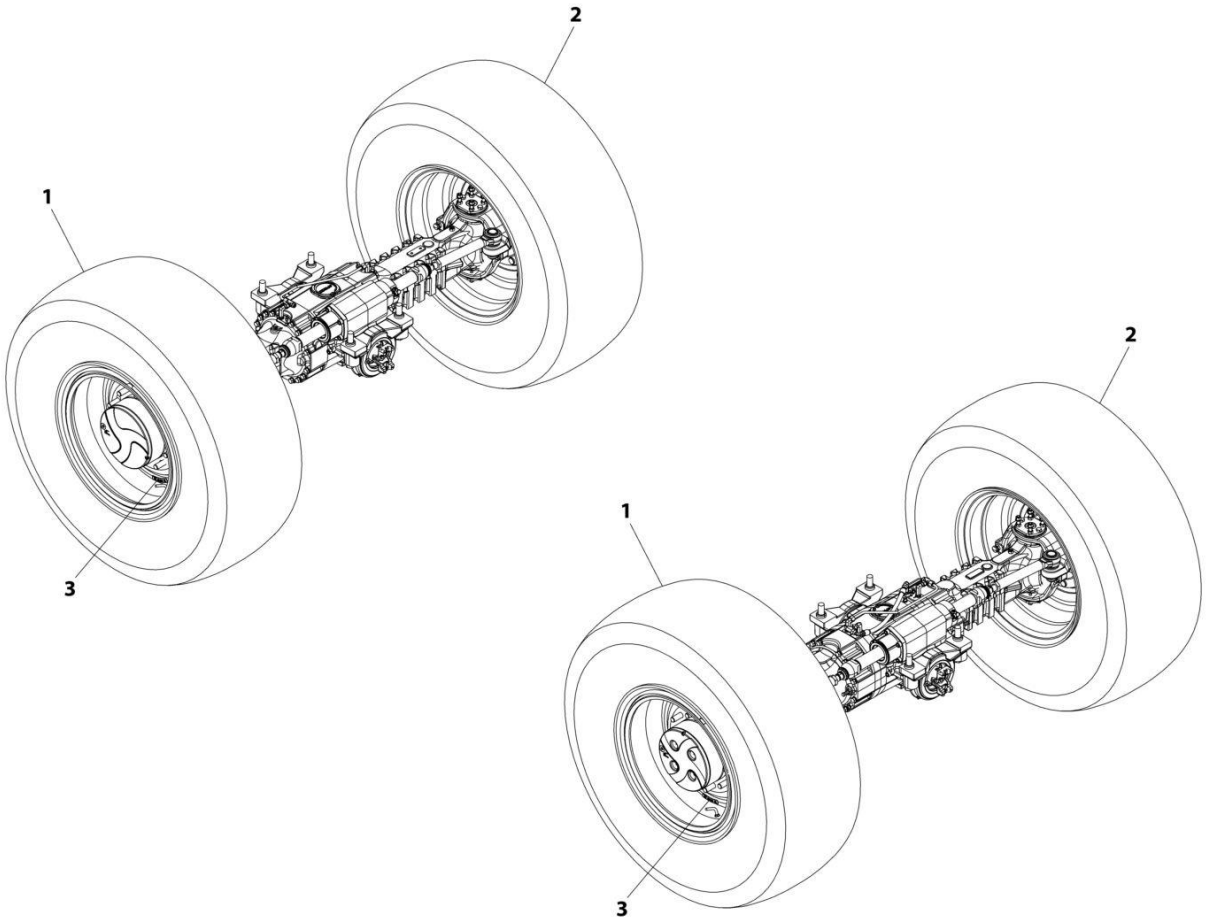
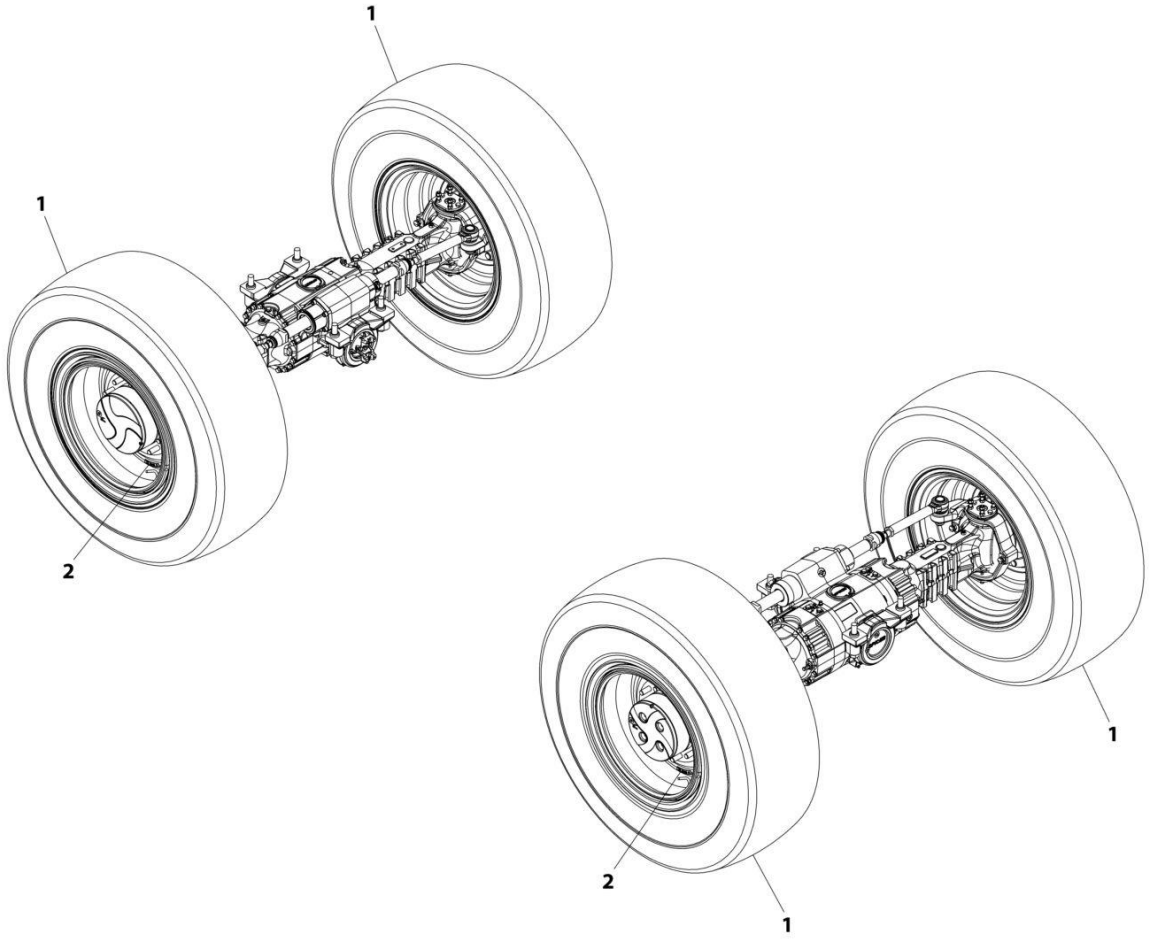


FIGURE 5-37. TIRE/WHEEL SET (AIR 17.5 R25 - RADIAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221270	1	Tire/Wheel Set (Air 17.5 R25 - Radial)	A
1	1001221157	2	Assembly, Right Tire/Wheel (Air 17.5 R25 - Radial)	
1	8786549	1	Valve, Stem	
1	1001221087	1	Tire, 17.5 R25 Radial	
1	1001189288J	1	Wheel, 25X14.0 DTU 10 Hole	
2	1001221321	2	Assembly, Left Tire/Wheel (Air 17.5 R25 - Radial)	
2	8786549	1	Valve, Stem	
2	1001221087	1	Tire, 17.5 R25 Radial	
2	1001189288J	1	Wheel, 25X14.0 DTU 10 Hole	
3	1001221734	4	Decal	

FIGURE 5-38. TIRE/WHEEL SET (AIR 17.5-25 - 22 PLY)



ART_1001221695-B

FIGURE 5-38. TIRE/WHEEL SET (AIR 17.5-25 - 22 PLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221695	Ref	Tire/Wheel Set (Air 17.5-25 - 22 PLY)	B
1	1001221554	4	Assembly, Tire/Wheel (Air 17.5-25 - 22 PLY)	
1	8786549	1	Valve, Stem	
1	1001221553	1	Tire, 17.5-25 EM60 22 PLY	
1	1001189288J	1	Wheel, 25X14.0 DTU 10 Hole	
2	1001229201	4	Decal	

FIGURE 5-39. FENDER INSTALLATION

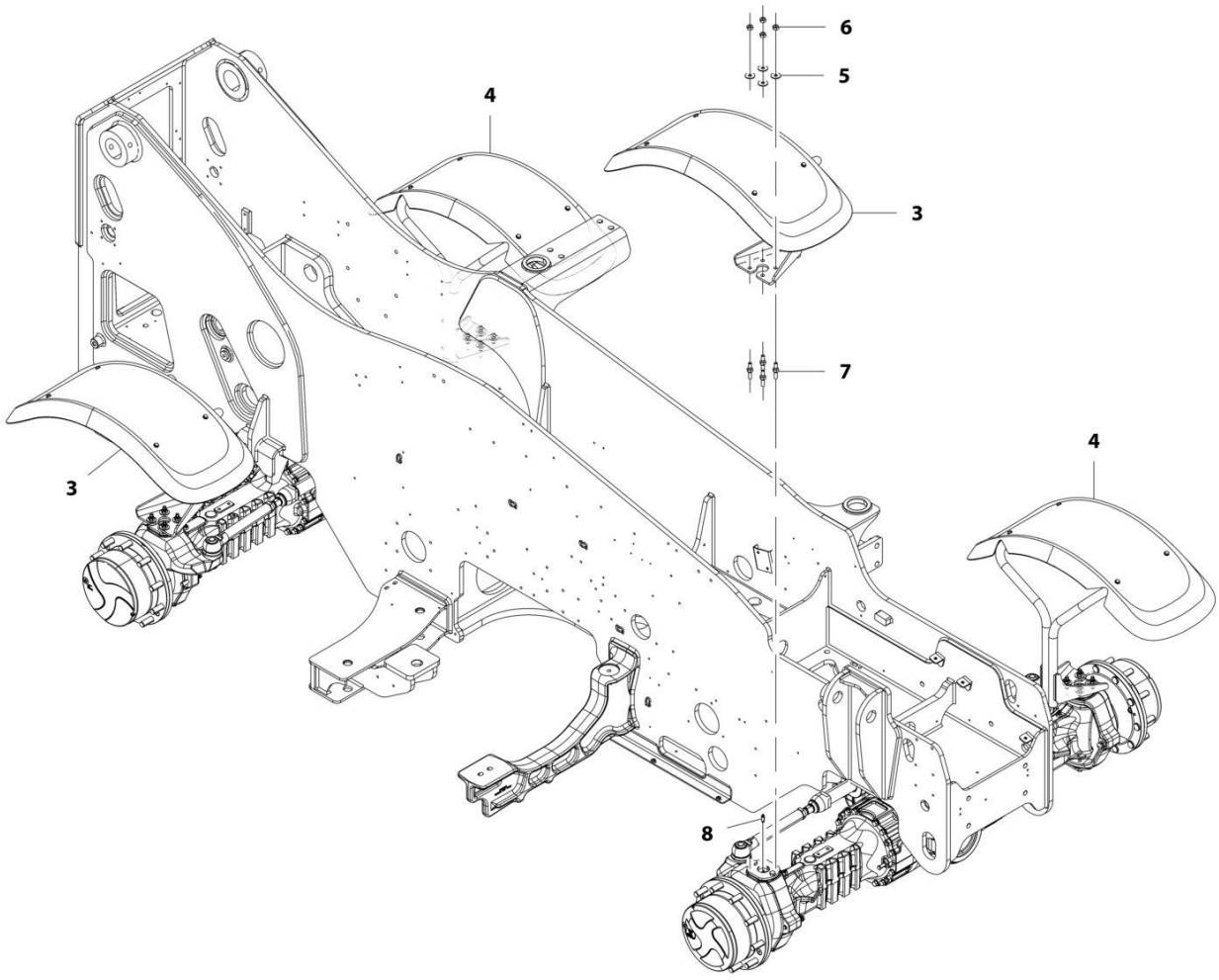


FIGURE 5-39. FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174129	Ref	Fender Installation	E
3	1001183306	2	Assembly, RH Fender (See Separate Breakdown in this Section)	
4	1001183307	2	Assembly, LH Fender (See Separate Breakdown in this Section)	
5	4812102	16	Washer, M12	
6	91513266	16	Nut, M12X1.25	
7	91514118	16	Stud, Fender	
8	1001225317	4	Fitting, Grease	

FIGURE 5-40. RH FENDER ASSEMBLY

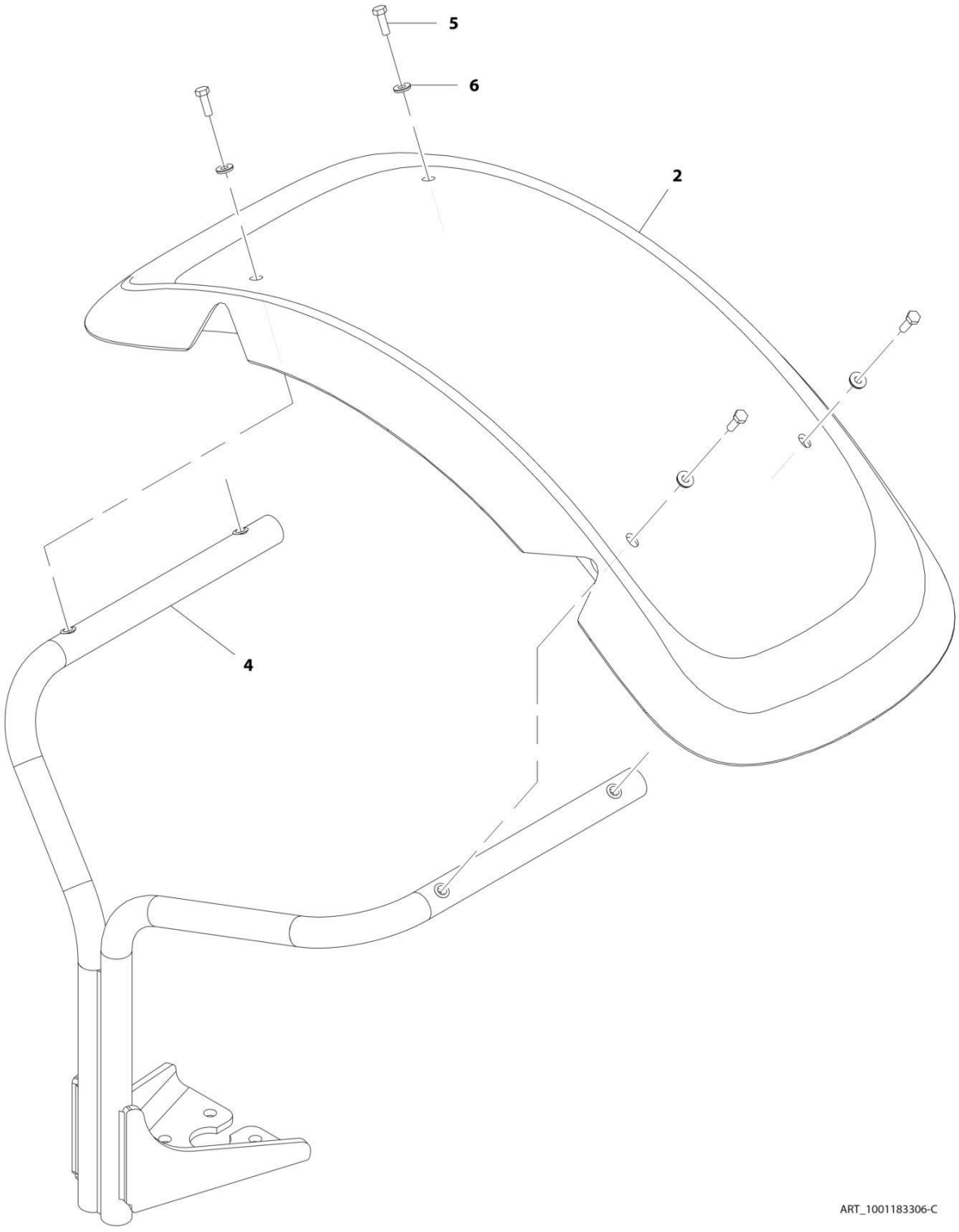


FIGURE 5-40. RH FENDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183306	Ref	RH Fender Assembly	C
2	1001168264	1	Fender	
4	1001183308	1	Bracket	
5	0760812	4	Bolt, M8X25	
6	1001202786	4	Washer	

FIGURE 5-41. LH FENDER ASSEMBLY

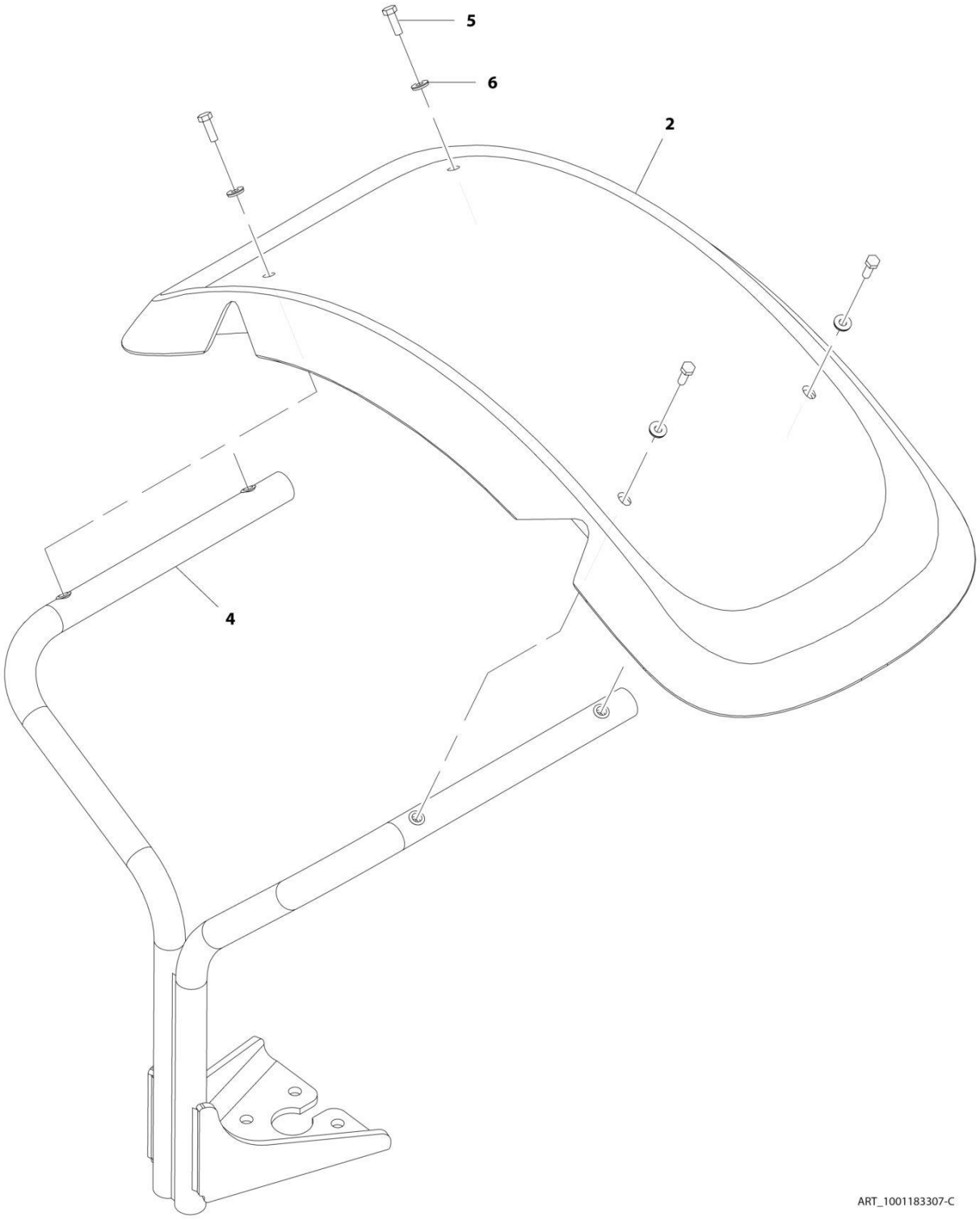


FIGURE 5-41. LH FENDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183307	Ref	LH Fender Assembly	C
2	1001168264	1	Fender	
4	1001183309	1	Bracket	
5	0760812	4	Bolt, M8X25	
6	1001202786	4	Washer	

SECTION 6 - CAB

FIGURE 6-1. CAB MOUNTING INSTALLATION

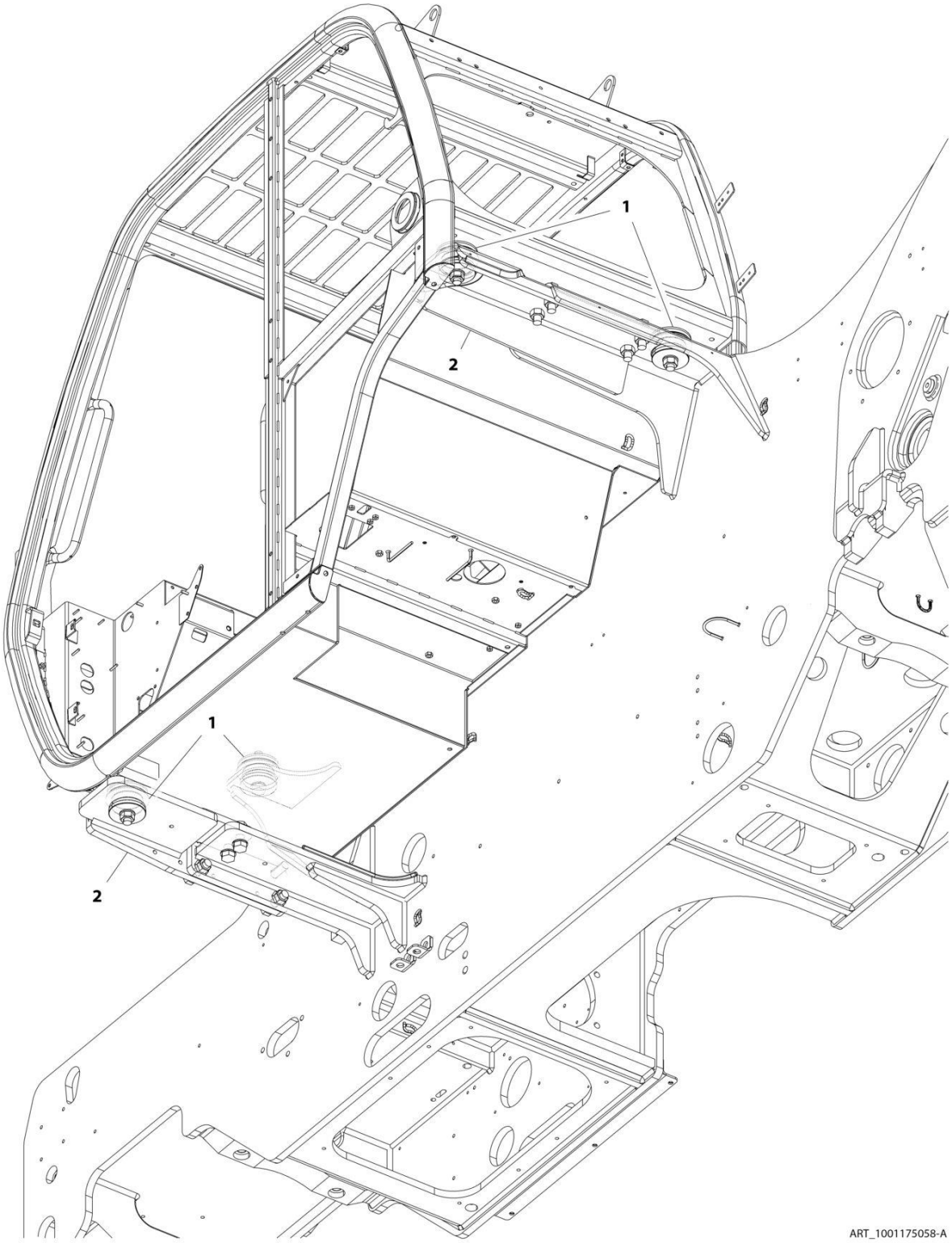


FIGURE 6-1. CAB MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175058	Ref	Cab Mounting Installation	A
1	1001155446	Ref	Installation, Cab Mount (See Separate Breakdown in this Section)	
2	1001191255	Ref	Installation, Front Cab Mount Bracket (See Separate Breakdown in this Section)	

FIGURE 6-2. FRONT CAB MOUNT BRACKET INSTALLATION

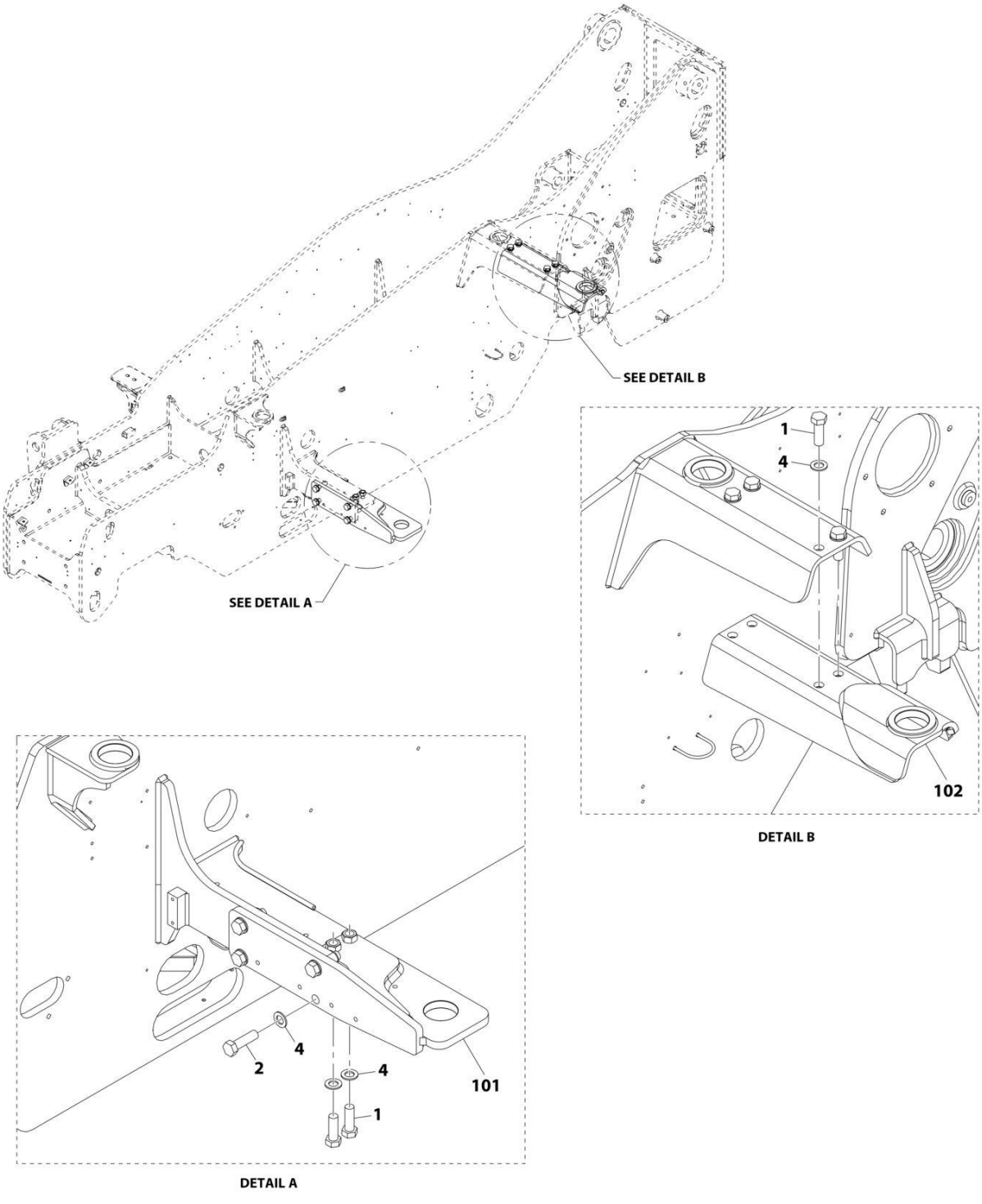


FIGURE 6-2. FRONT CAB MOUNT BRACKET INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191255	Ref	Front Cab Mount Bracket Installation	E
1	0712020	6	Bolt, M20X60	
2	0712022	4	Bolt, M20X70	
4	4812500	10	Washer, M20	
101	1001191256	1	Bracket	
102	1001191257	1	Bracket	

FIGURE 6-3. CAB MOUNTS INSTALLATION

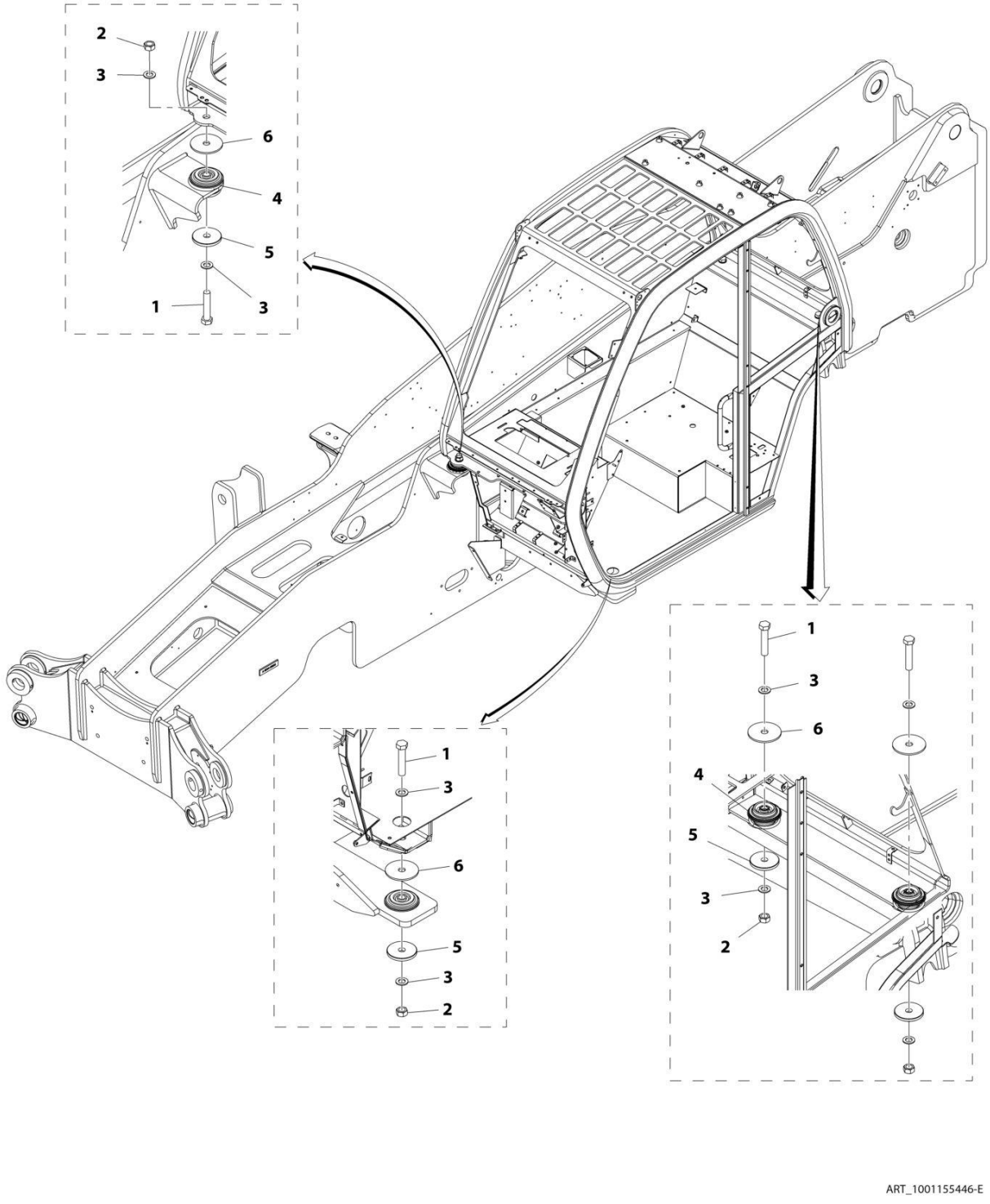


FIGURE 6-3. CAB MOUNTS INSTALLATION

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

FIGURE 6-4. CAB COMPONENTS INSTALLATION

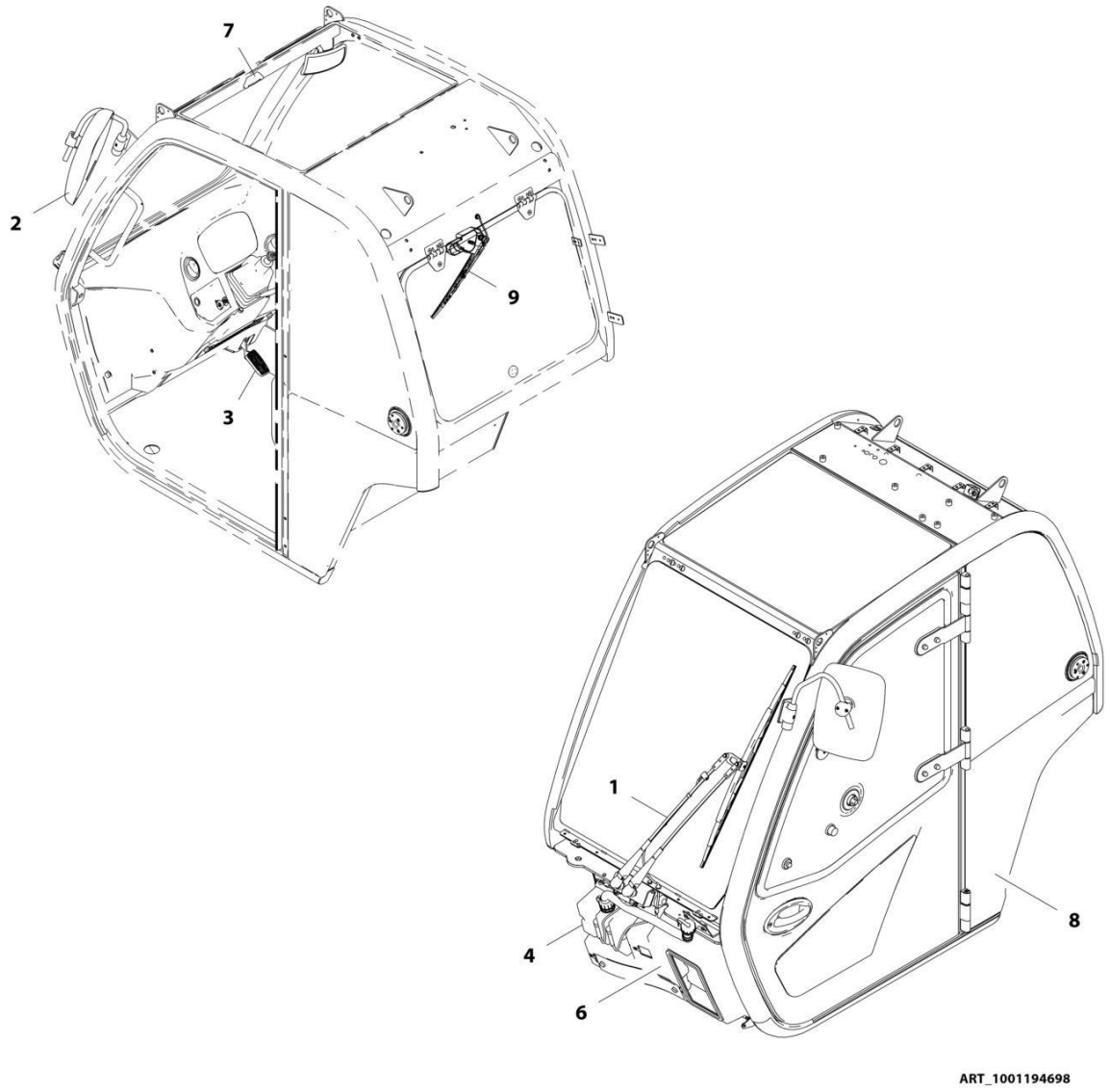


FIGURE 6-4. CAB COMPONENTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194698	Ref	Cab Components Installation	G
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)	

FIGURE 6-5. CAB INSTALLATION

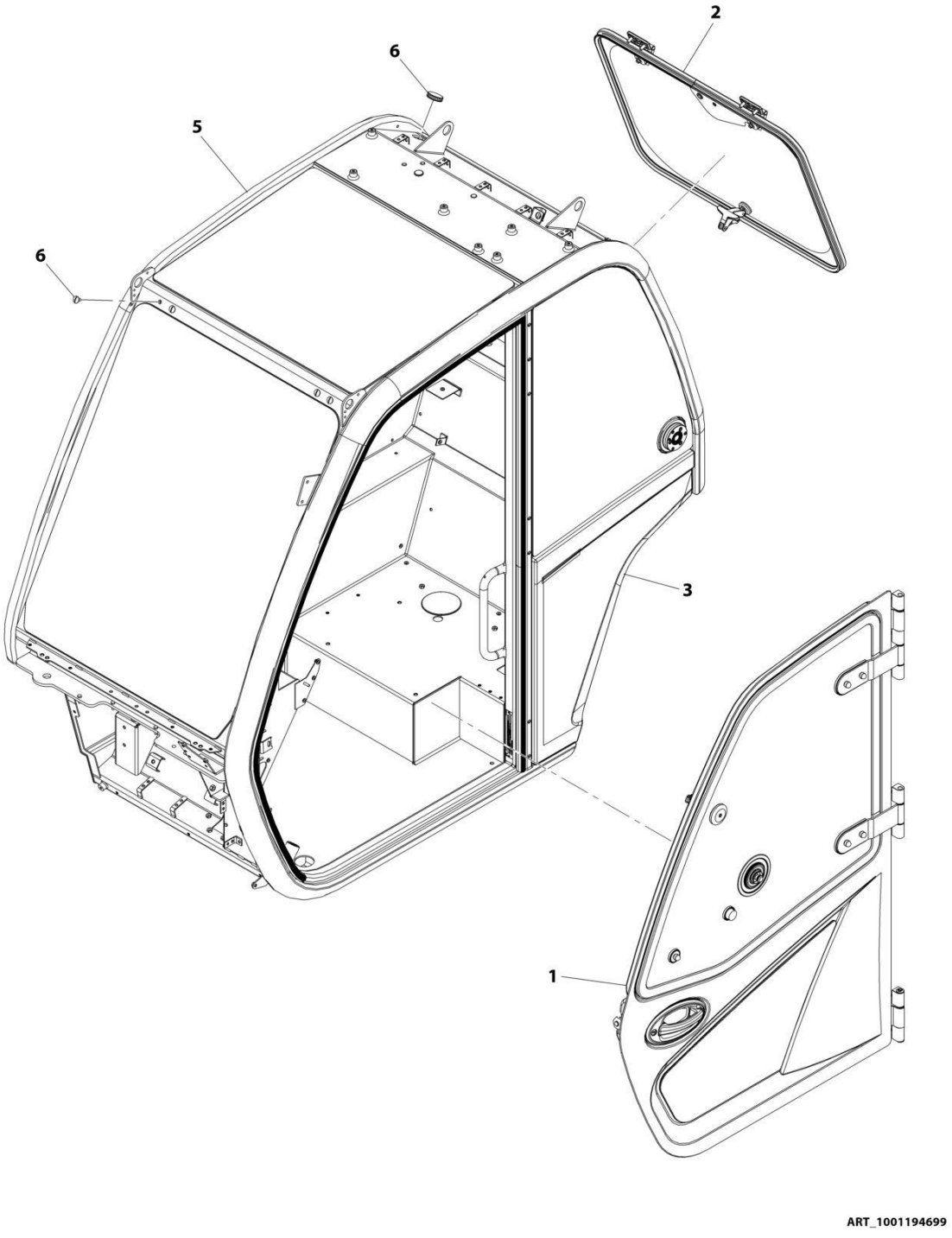


FIGURE 6-5. CAB INSTALLATION

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 6-6. CAB ASSEMBLY

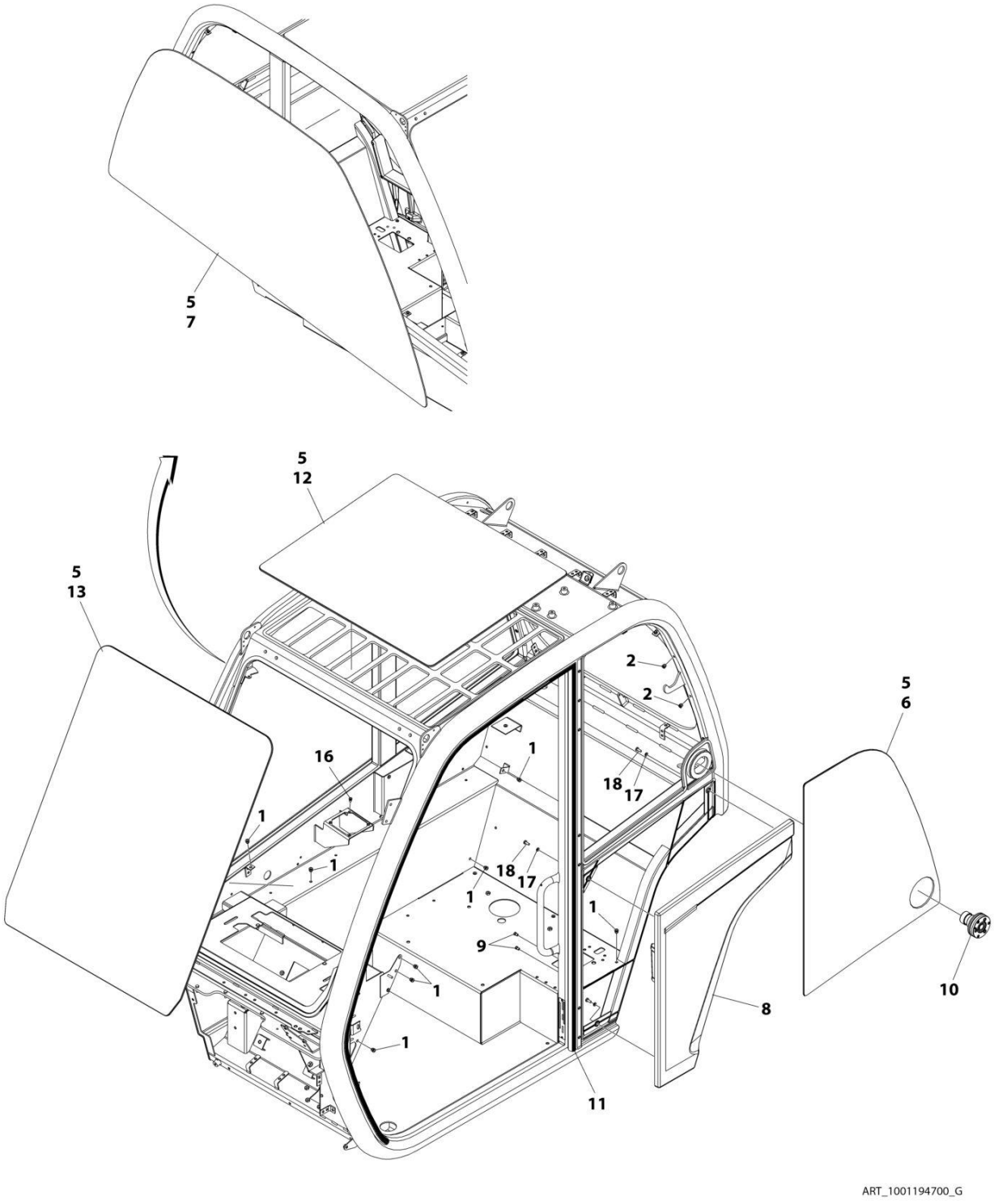


FIGURE 6-6. CAB ASSEMBLY

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 M6 x 16	

FIGURE 6-7. DOOR INSTALLATION

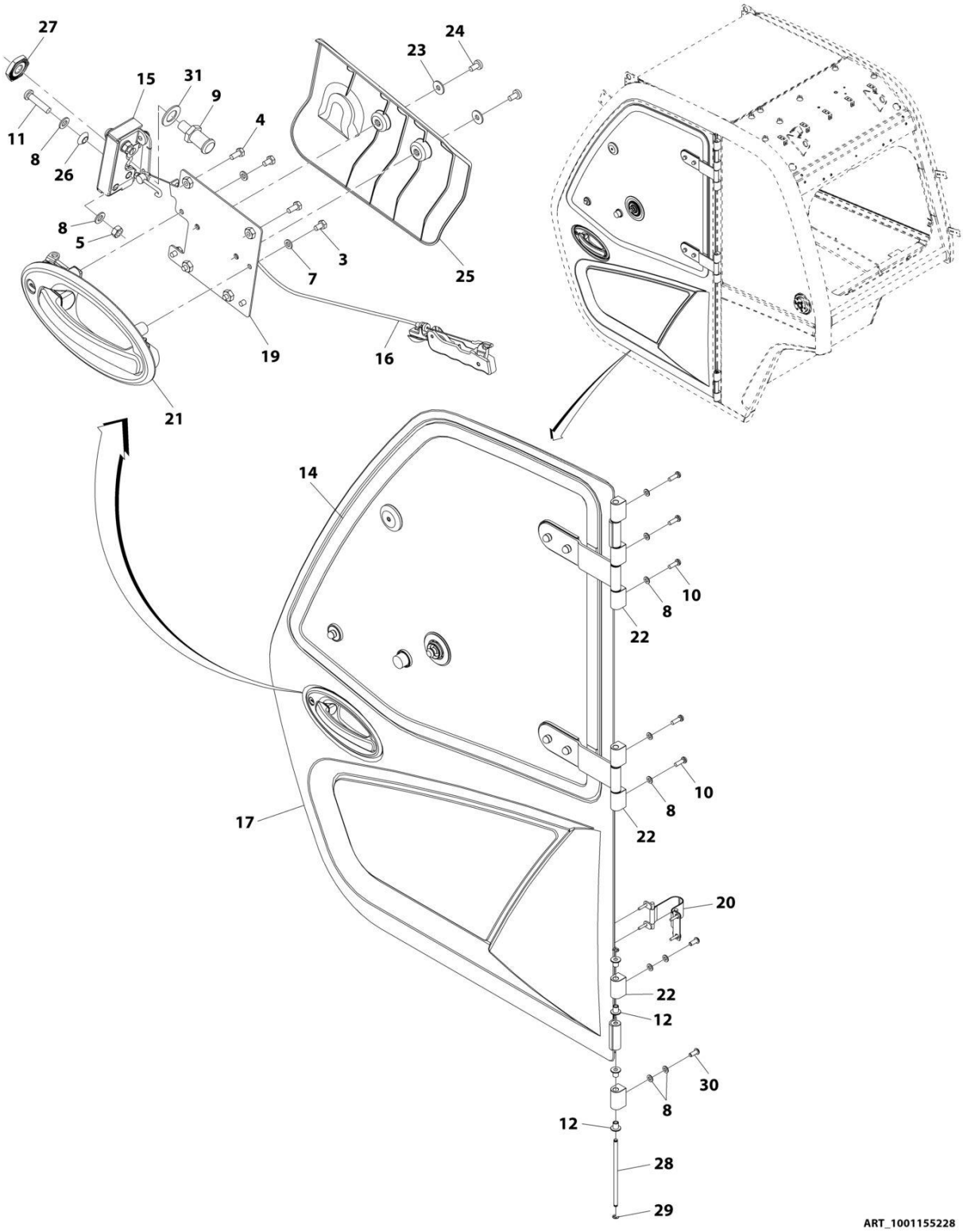


FIGURE 6-7. DOOR INSTALLATION

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 6-8. DOOR ASSEMBLY

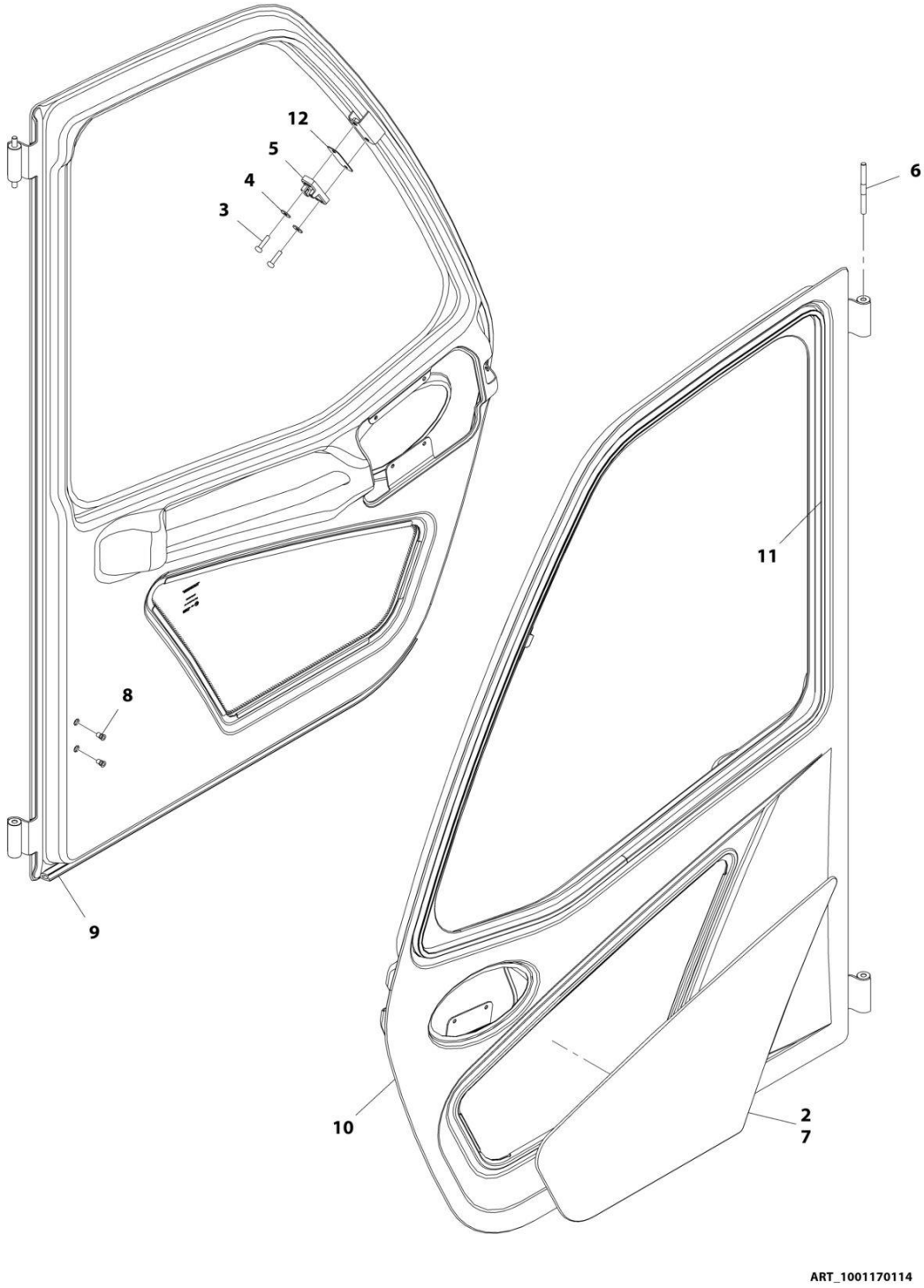


FIGURE 6-8. DOOR ASSEMBLY

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 6-9. CAB DOOR

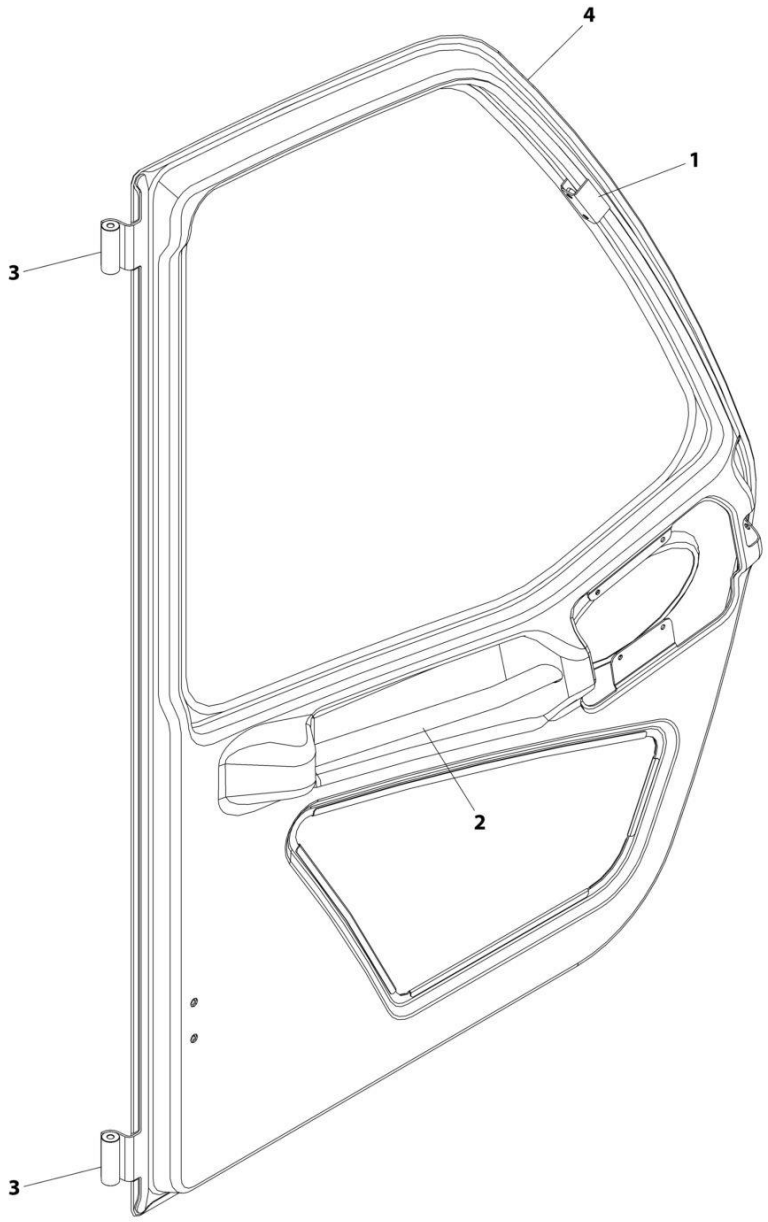


FIGURE 6-9. CAB DOOR

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 6-10. GLASS ASSEMBLY - DOOR UPPER

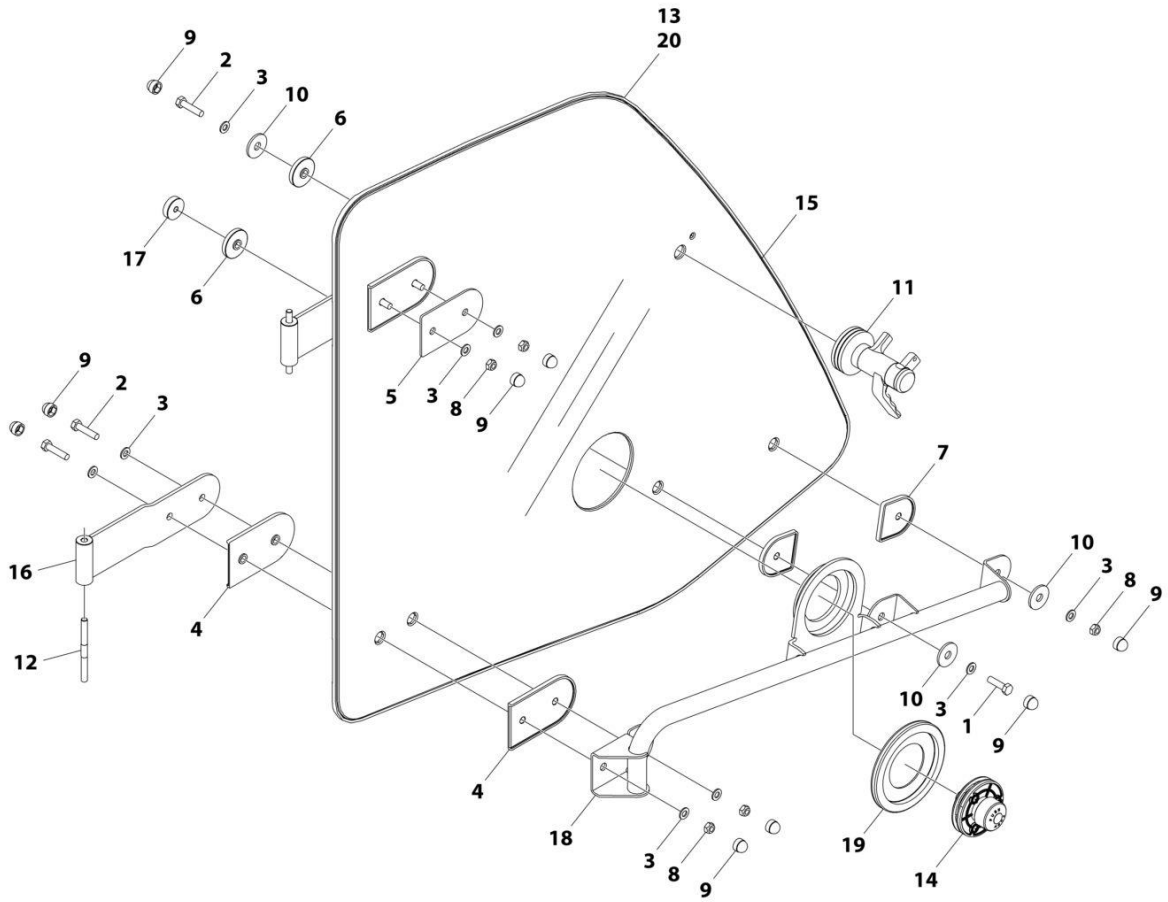


FIGURE 6-10. GLASS ASSEMBLY - DOOR UPPER

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 6-11. CAB LATCH ASSEMBLY

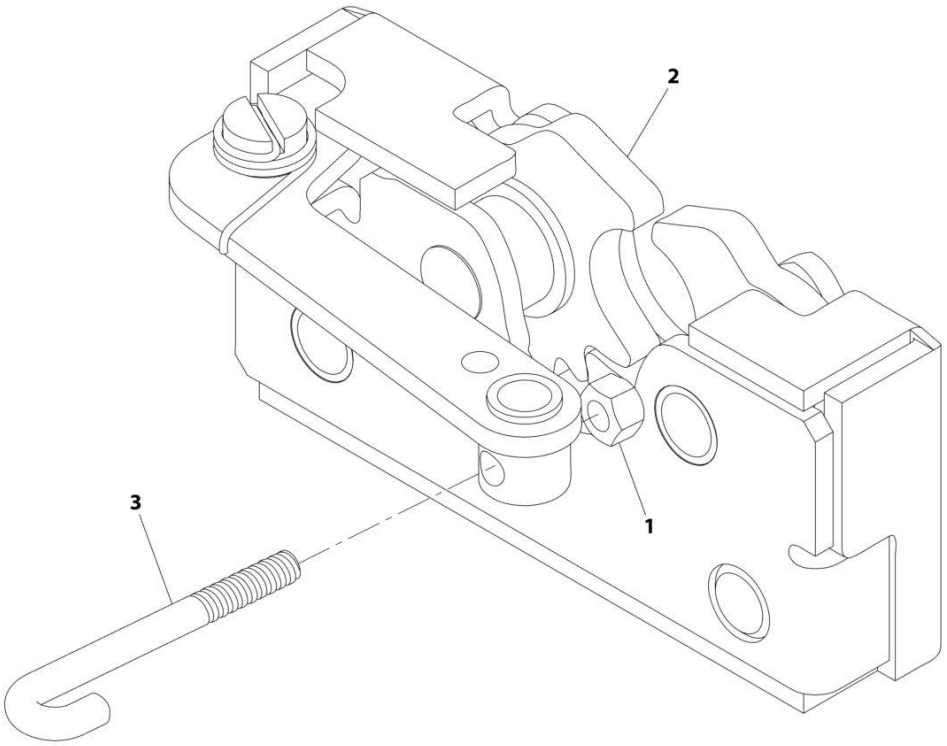


FIGURE 6-11. CAB LATCH ASSEMBLY

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 6-12. CAB DOOR TRIGGER ASSEMBLY

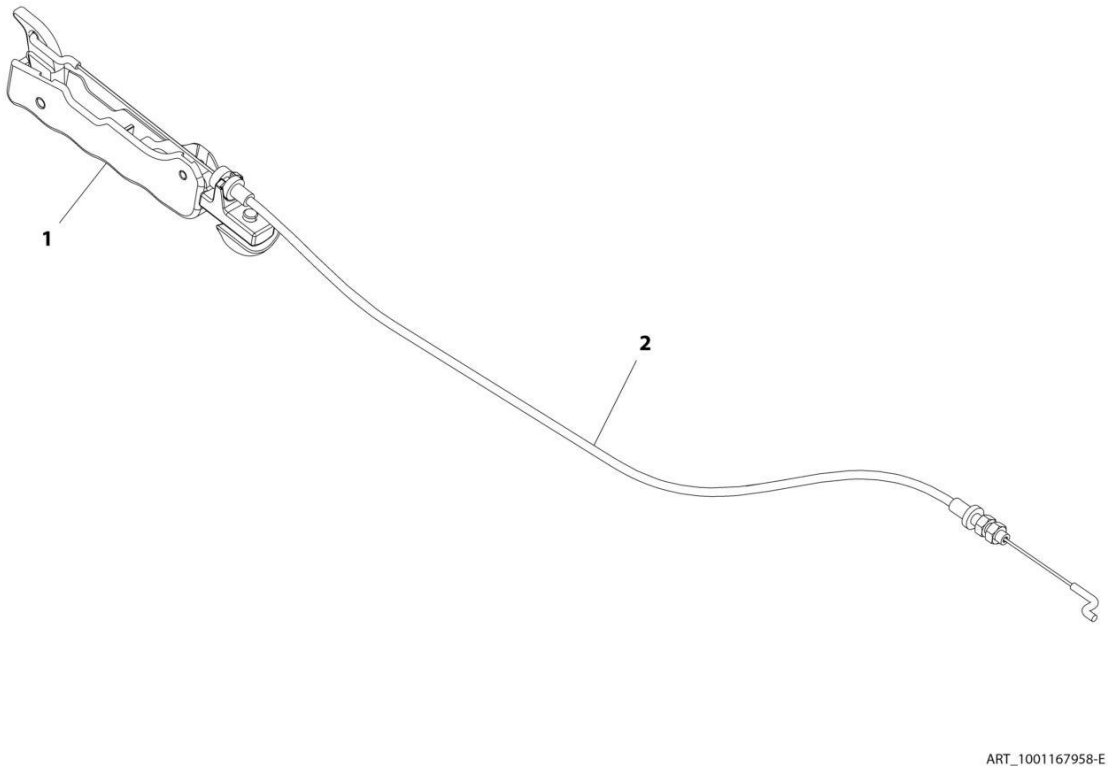


FIGURE 6-12. CAB DOOR TRIGGER ASSEMBLY

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 6-13. DOOR STRAP INSTALLATION

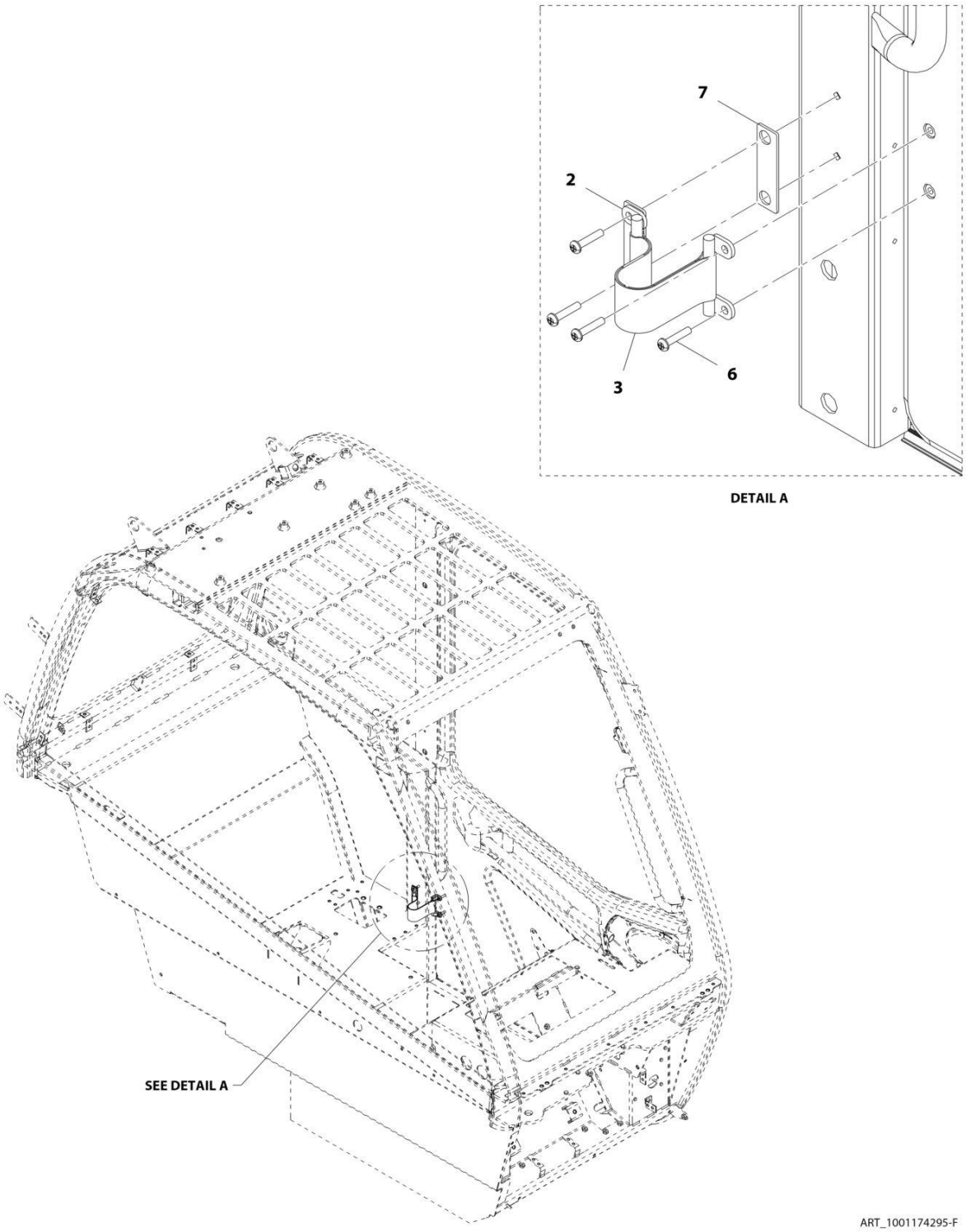


FIGURE 6-13. DOOR STRAP INSTALLATION

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 6-14. CAB PLUG GROUP

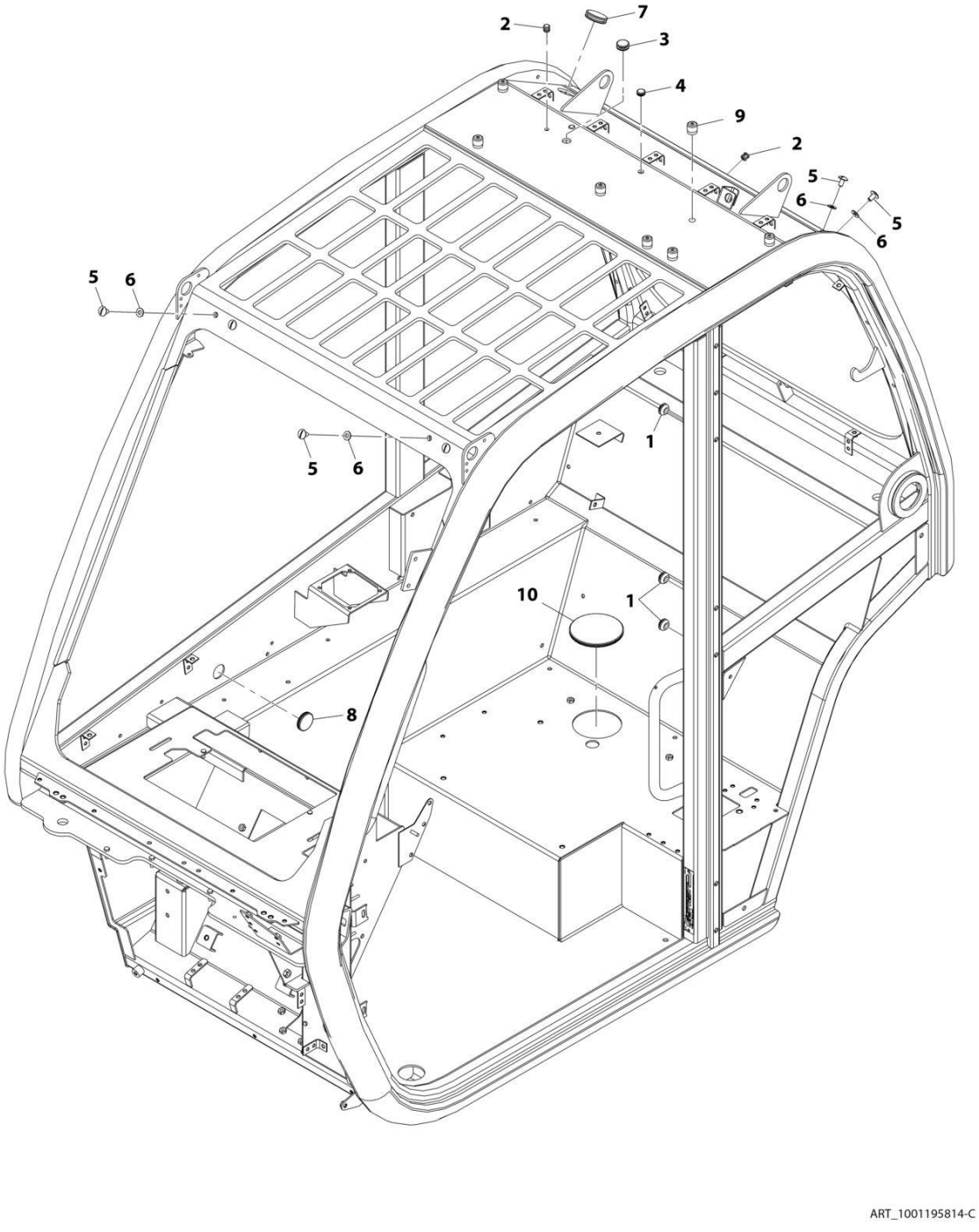


FIGURE 6-14. CAB PLUG GROUP

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 6-15. REAR WINDOW INSTALLATION

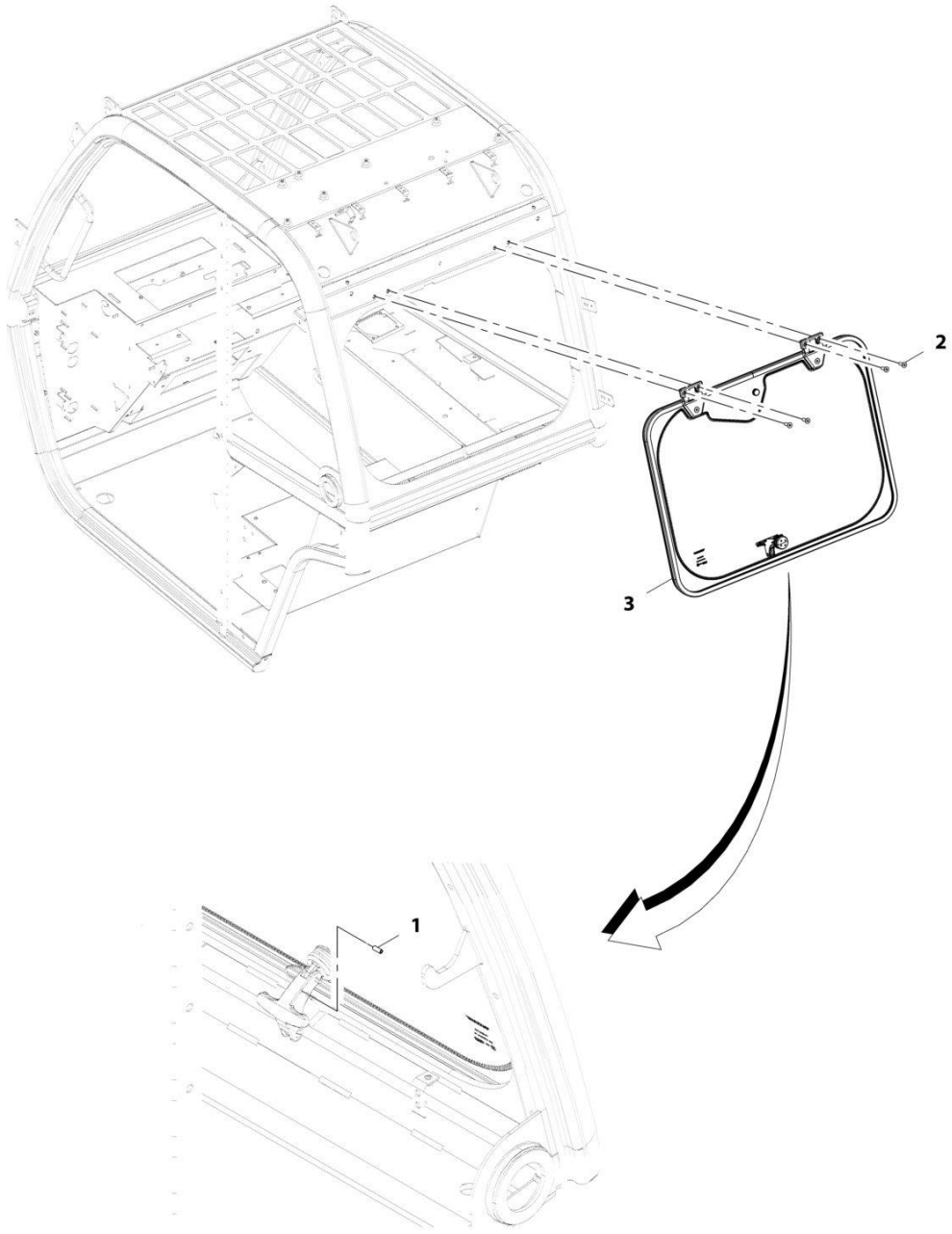


FIGURE 6-15. REAR WINDOW INSTALLATION

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 6-16. REAR WINDOW GROUP

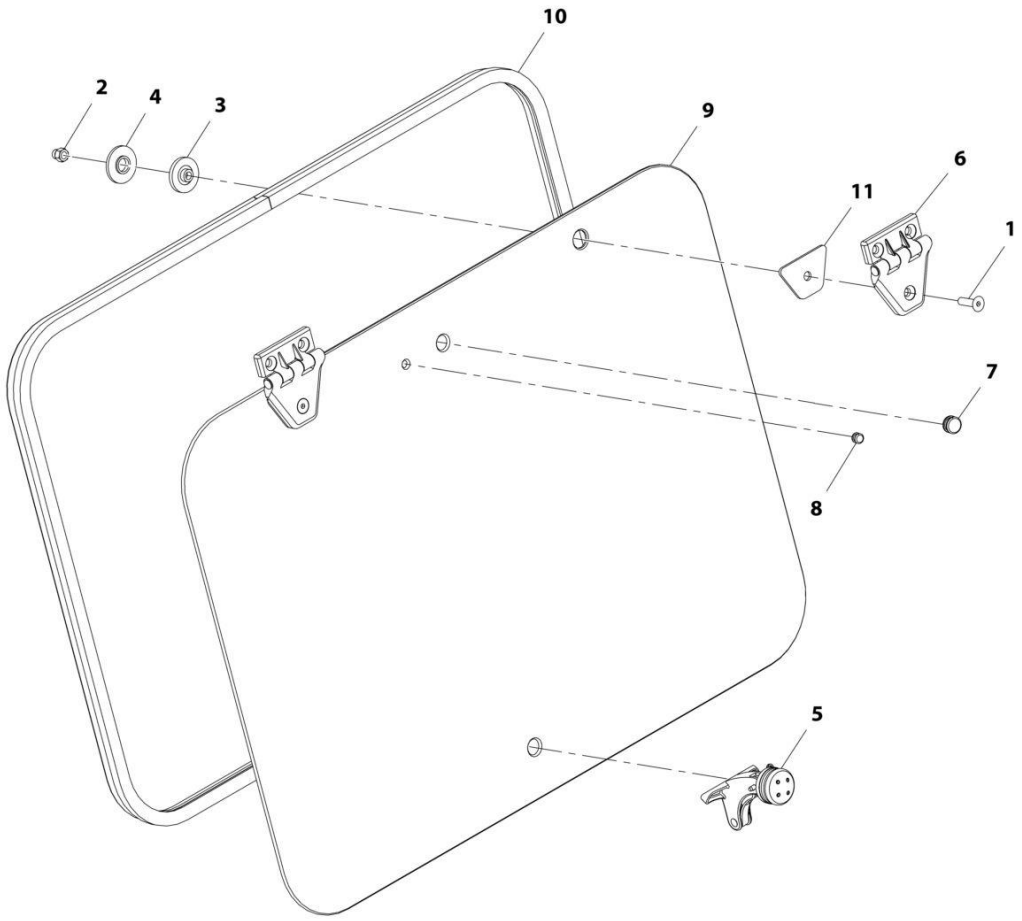
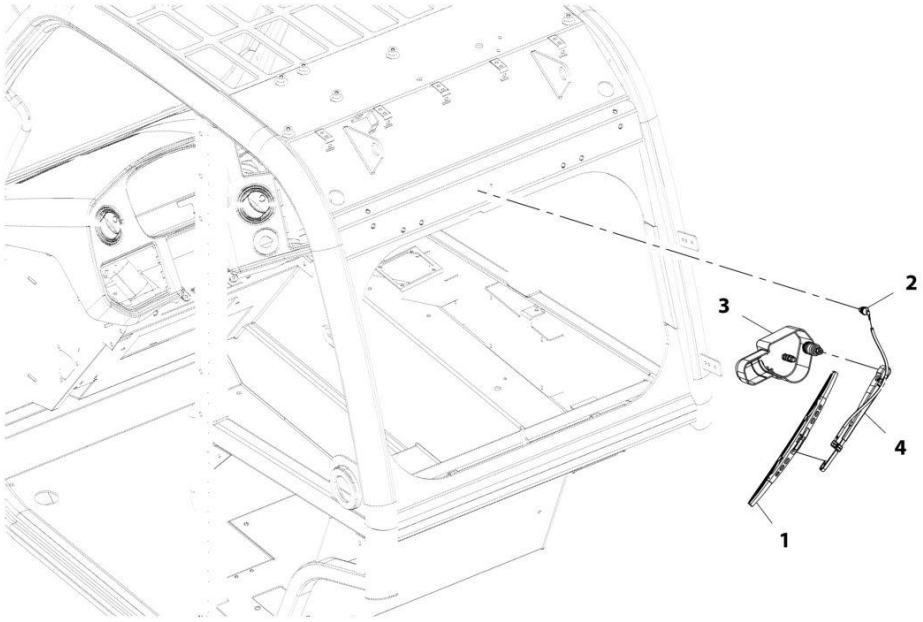


FIGURE 6-16. REAR WINDOW GROUP

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 6-17. REAR WIPER INSTALLATION

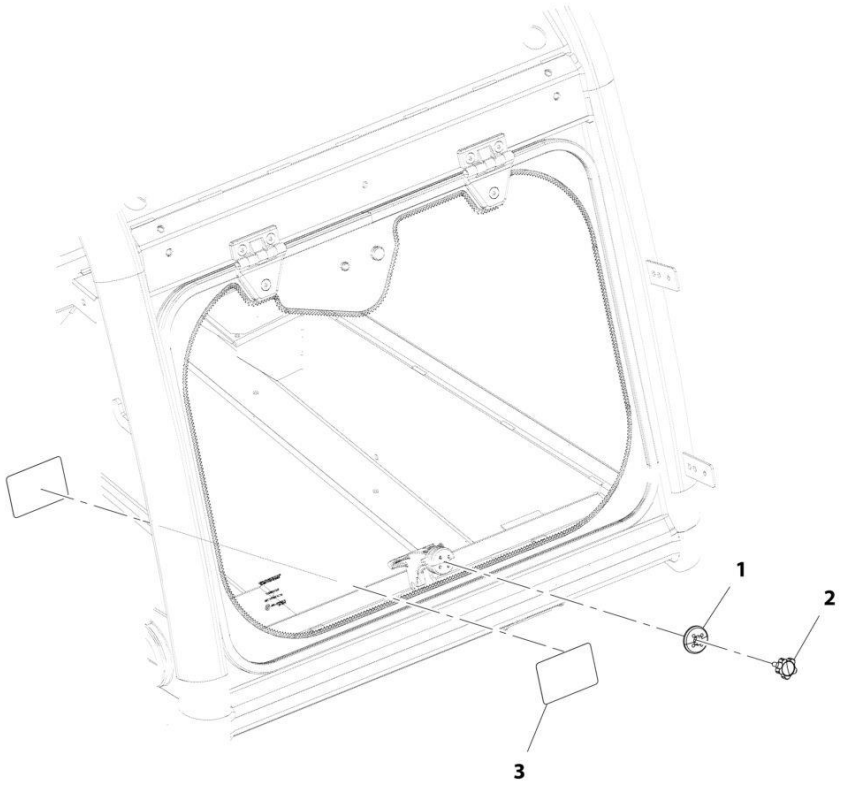


ART_1001220329-A

FIGURE 6-17. 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 6-18. REAR WINDOW RELEASE INSTALLATION (ANSI - ENGLISH)



ART_1001212048-A

FIGURE 6-18. REAR WINDOW RELEASE INSTALLATION (ANSI - ENGLISH)

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

FIGURE 6-19. FRONT WIPER INSTALLATION

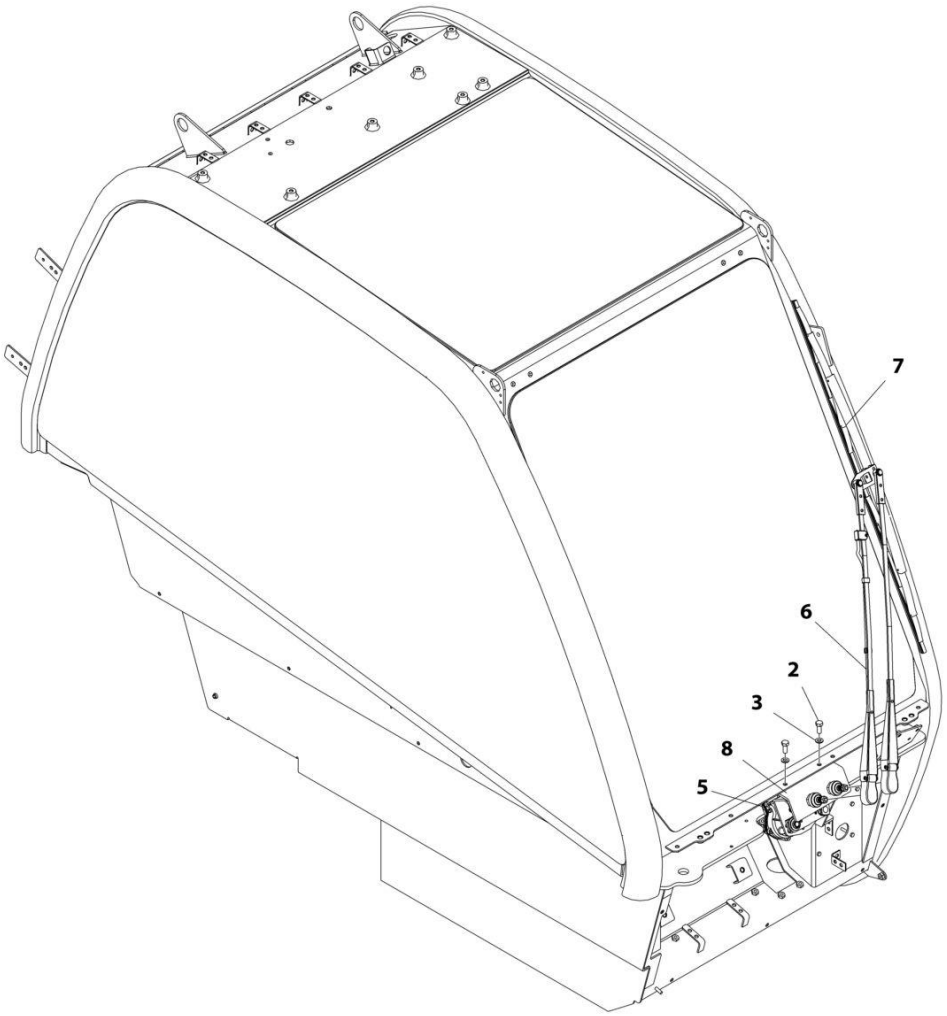


FIGURE 6-19. FRONT WIPER INSTALLATION

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 6-20. WASHER TANK INSTALLATION

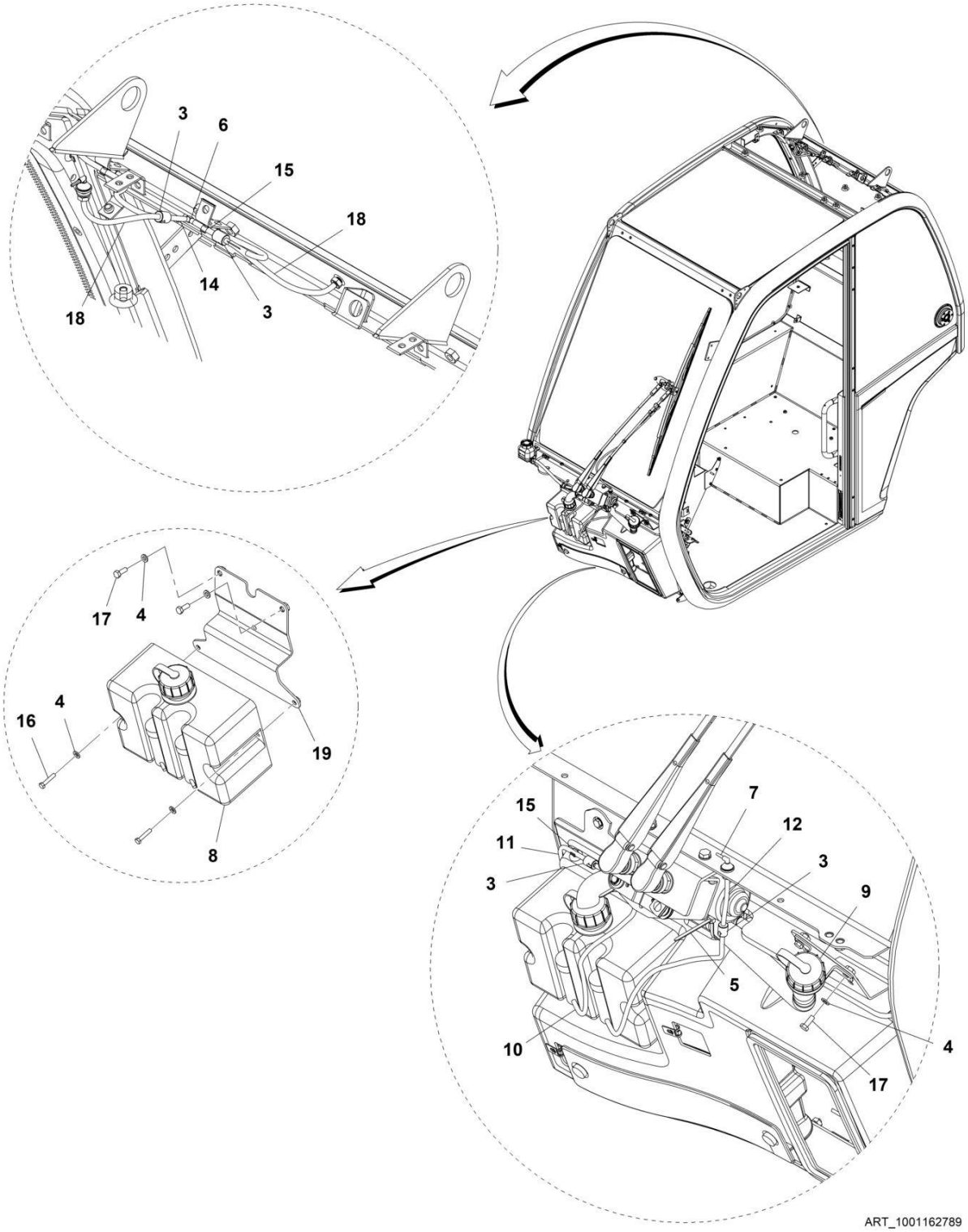
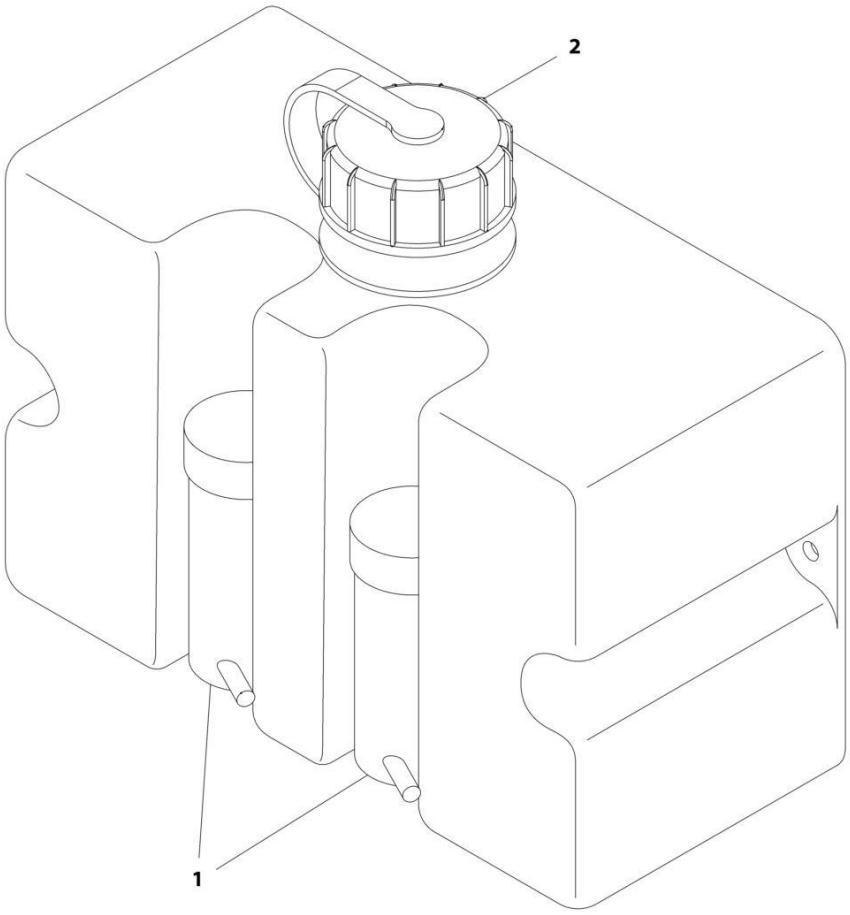


FIGURE 6-20. WASHER TANK INSTALLATION

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 6-21. WASHER BOTTLE



ART_1001165269-B

FIGURE 6-21. WASHER BOTTLE

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

FIGURE 6-22. FRONT COVER INSTALLATION

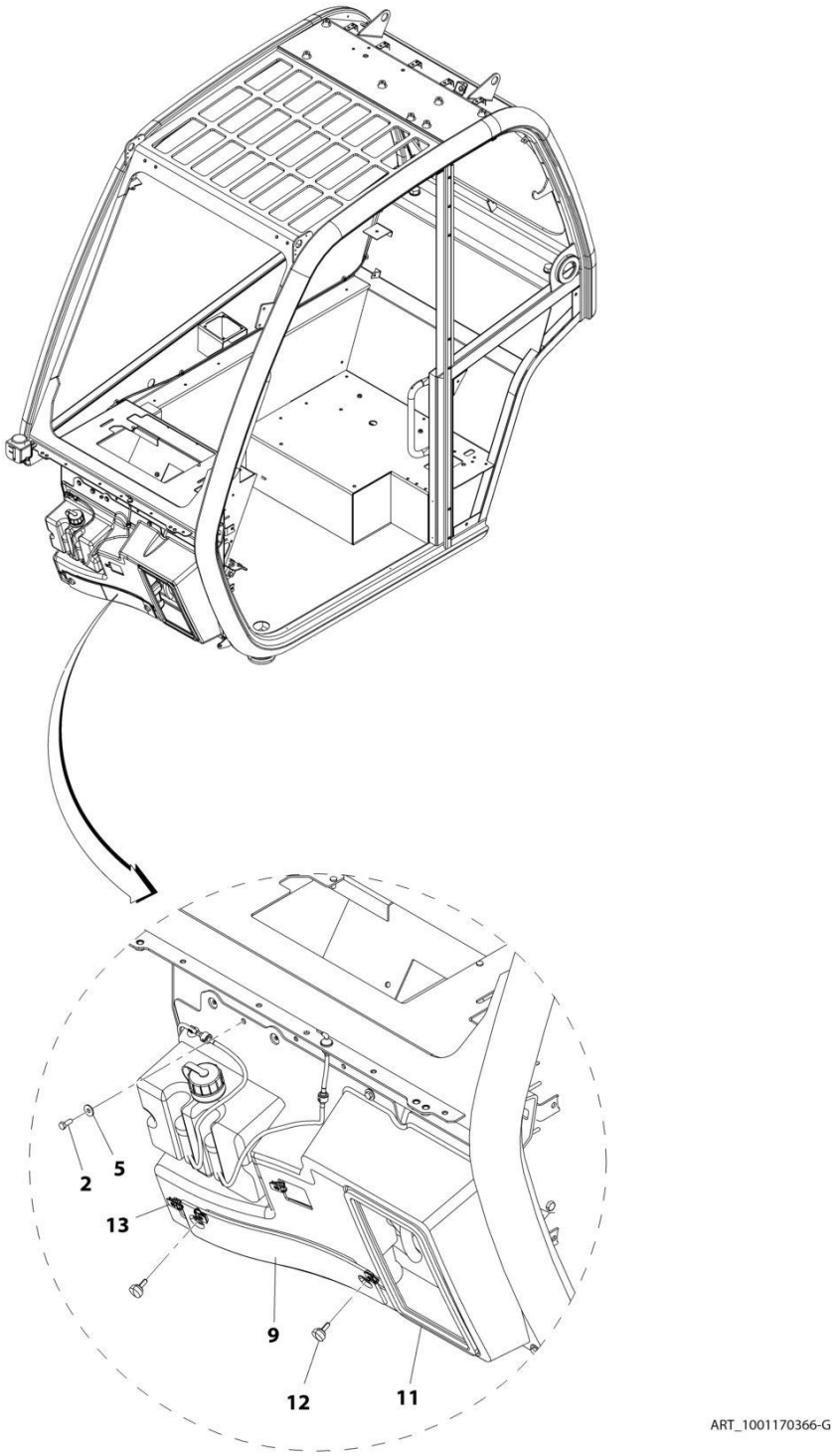


FIGURE 6-22. FRONT COVER INSTALLATION

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 6-23. FRONT DUCT COVER

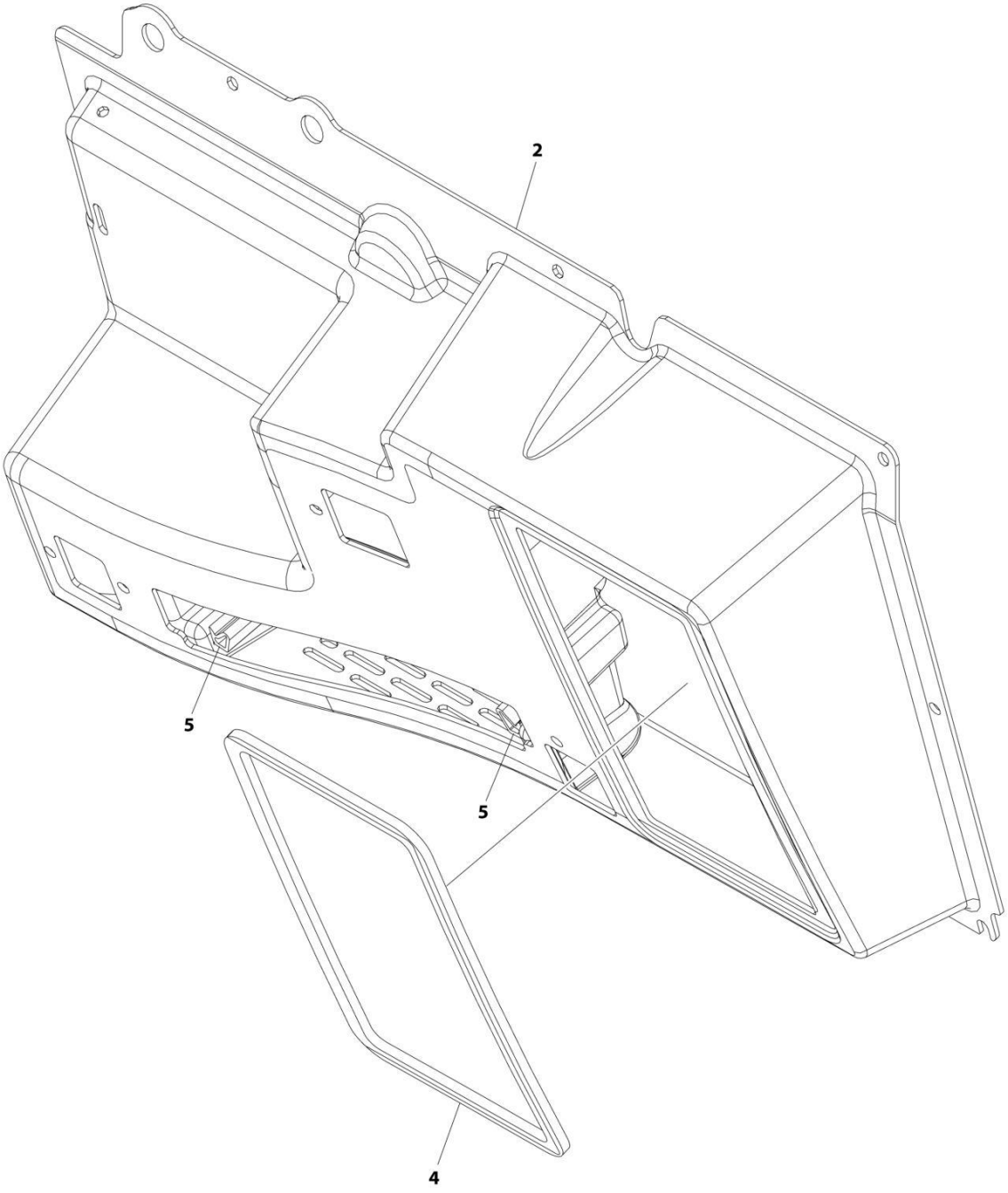
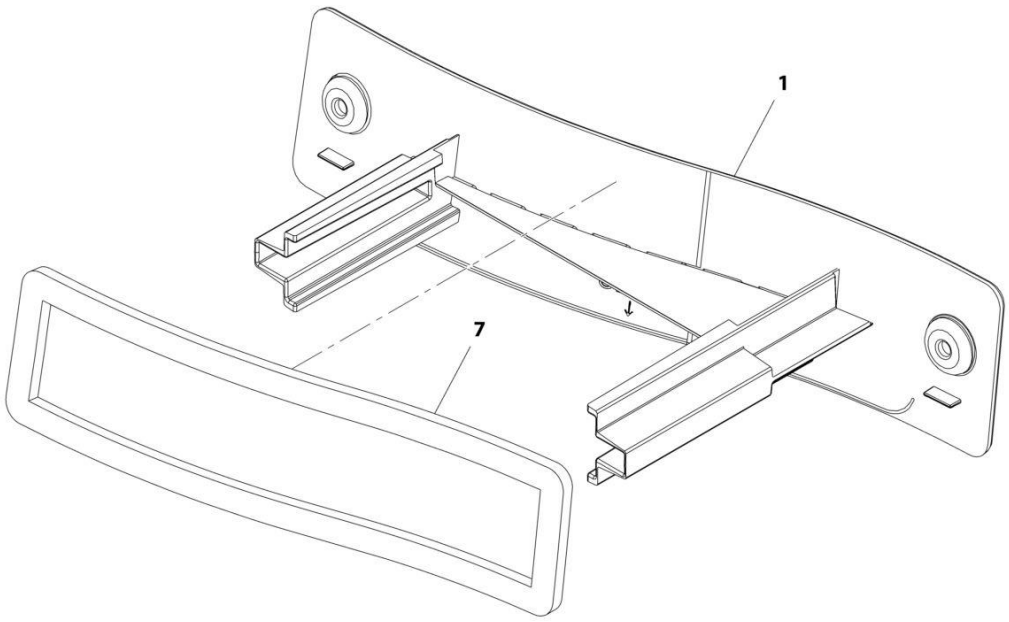


FIGURE 6-23. FRONT DUCT COVER

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 6-24. FILTER TRAY PANEL



ART_1001175471-D

FIGURE 6-24. 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 6-25. LEVEL INDICATOR INSTALLATION

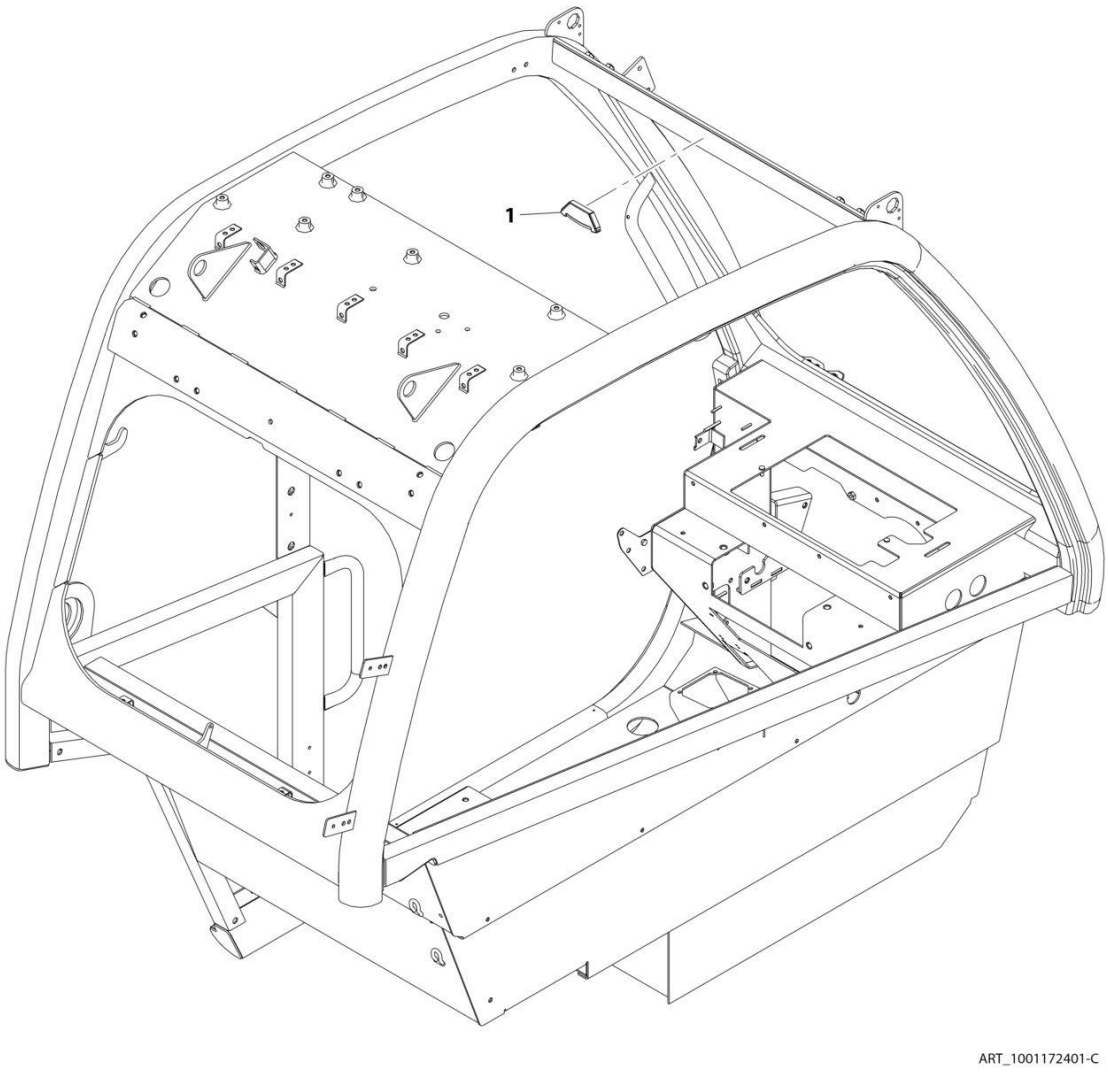


FIGURE 6-25. LEVEL INDICATOR INSTALLATION

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

FIGURE 6-26. BASIC MIRROR INSTALLATION

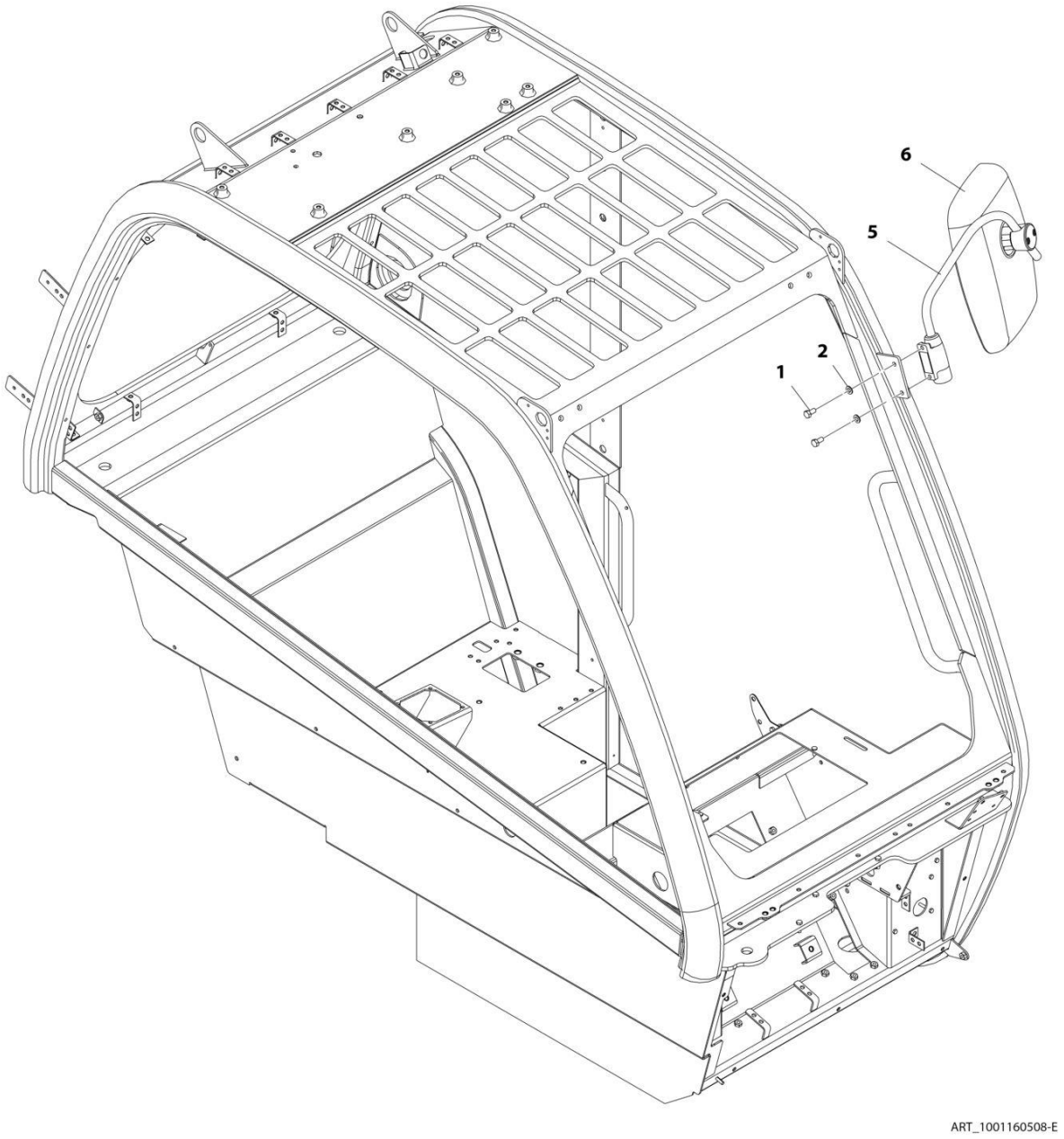


FIGURE 6-26. BASIC MIRROR INSTALLATION

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 6-27. MULTIFUNCTION DISPLAY INSTALLATION

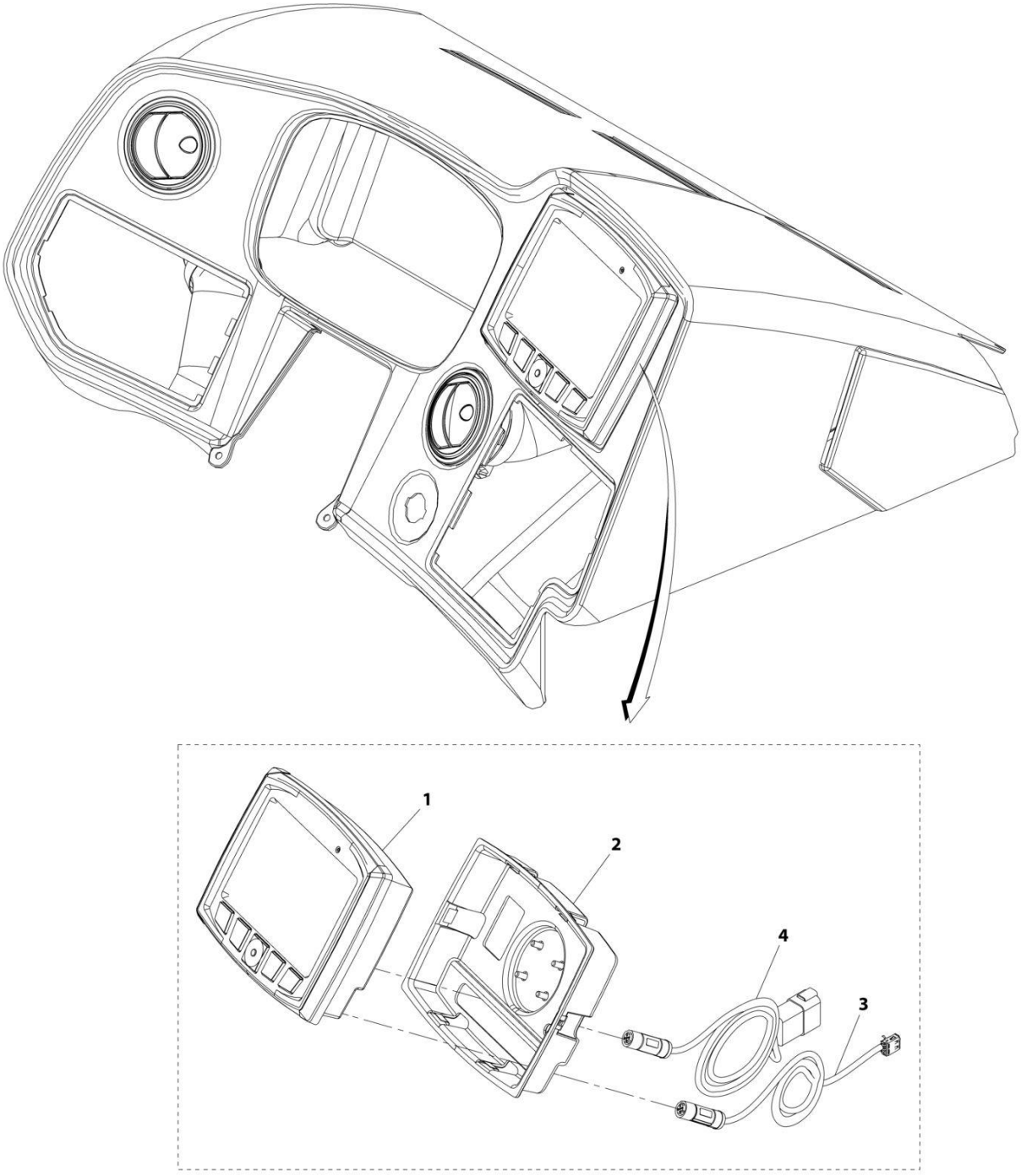


FIGURE 6-27. MULTIFUNCTION DISPLAY INSTALLATION

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 6-28. SEAT INSTALLATION (CLOTH)

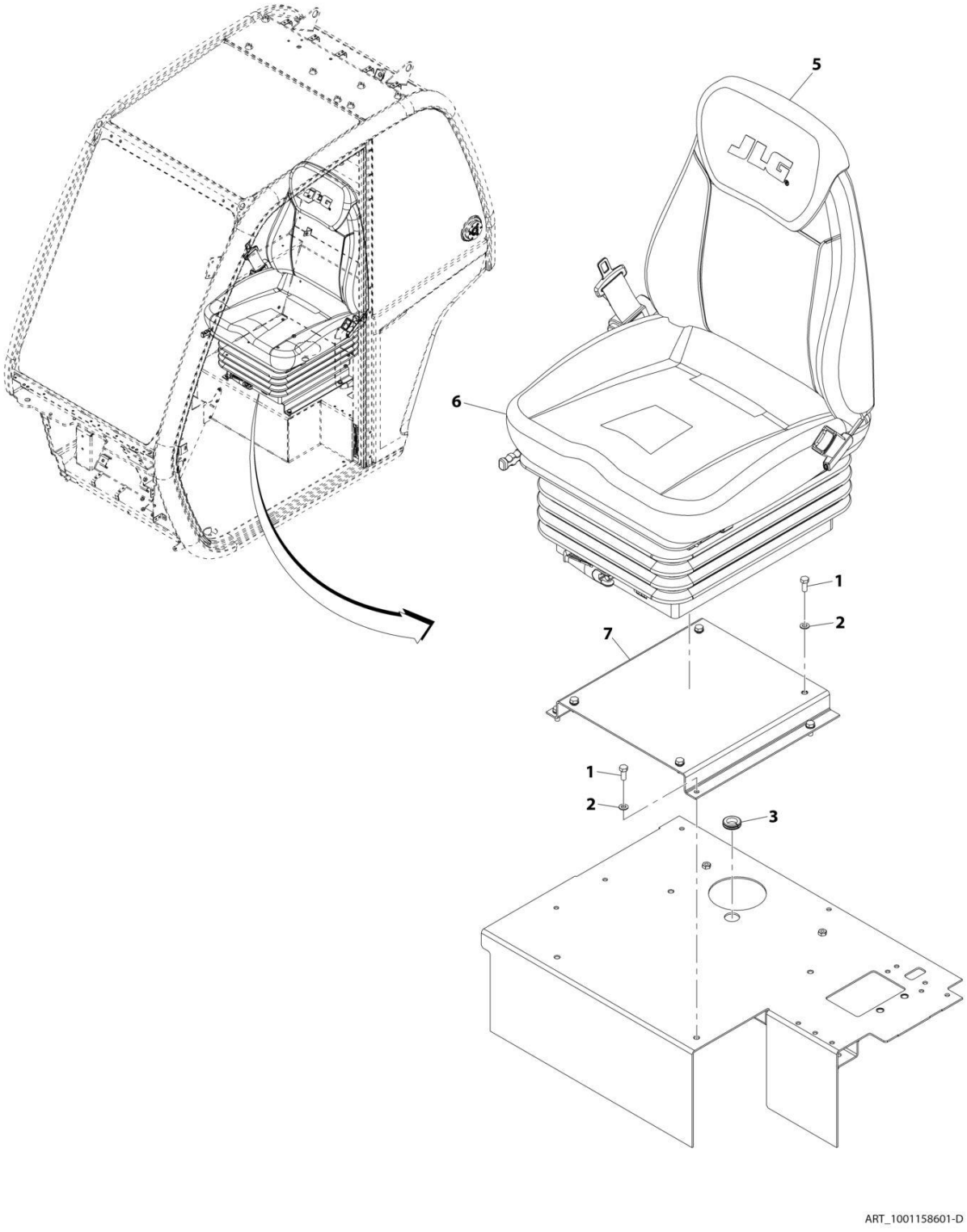


FIGURE 6-28. SEAT INSTALLATION (CLOTH)

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 6-29. SEAT ASSEMBLY

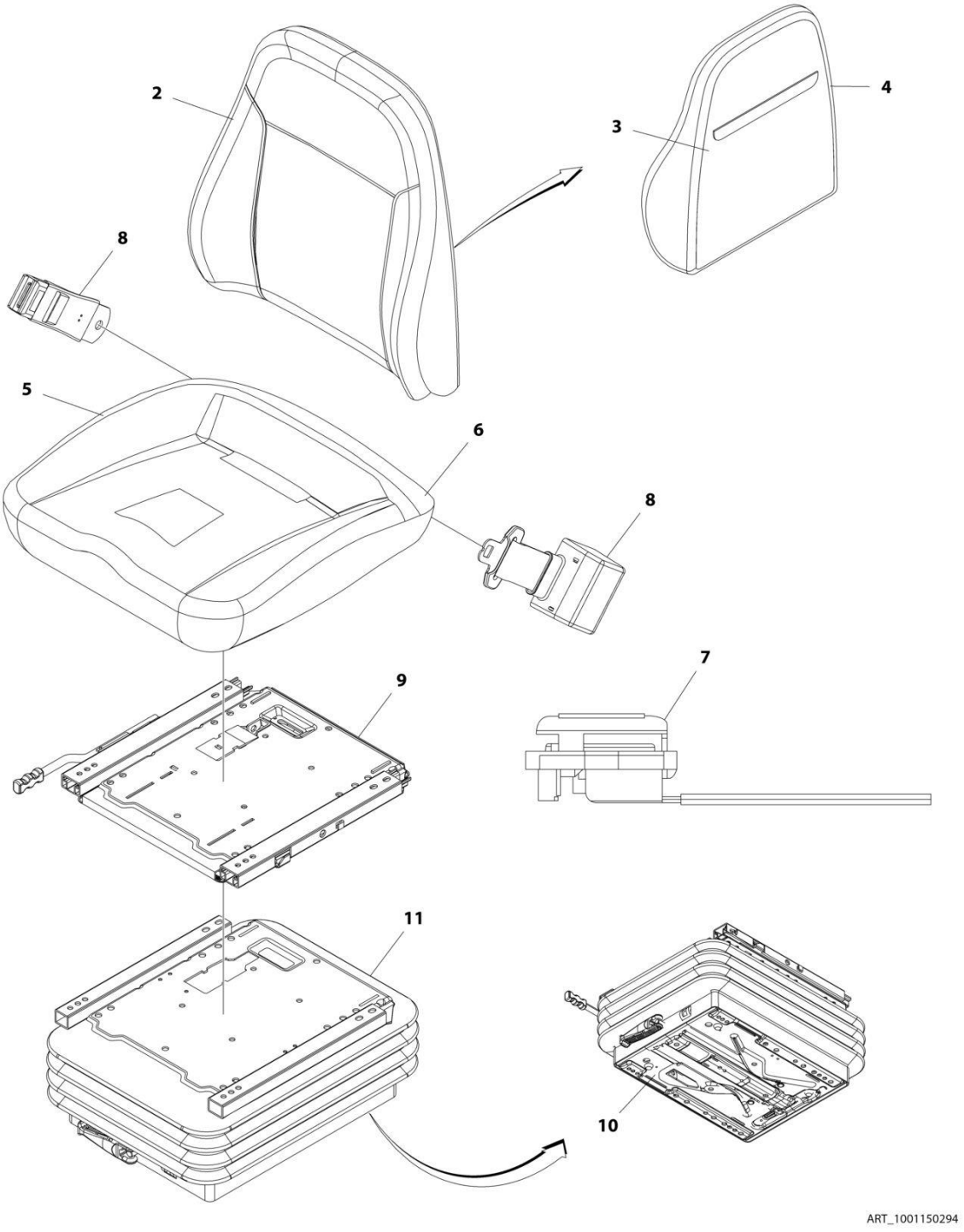


FIGURE 6-29. SEAT ASSEMBLY

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 6-30. SEAT INSTALLATION (AIR SUSPENSION - STANDARD)

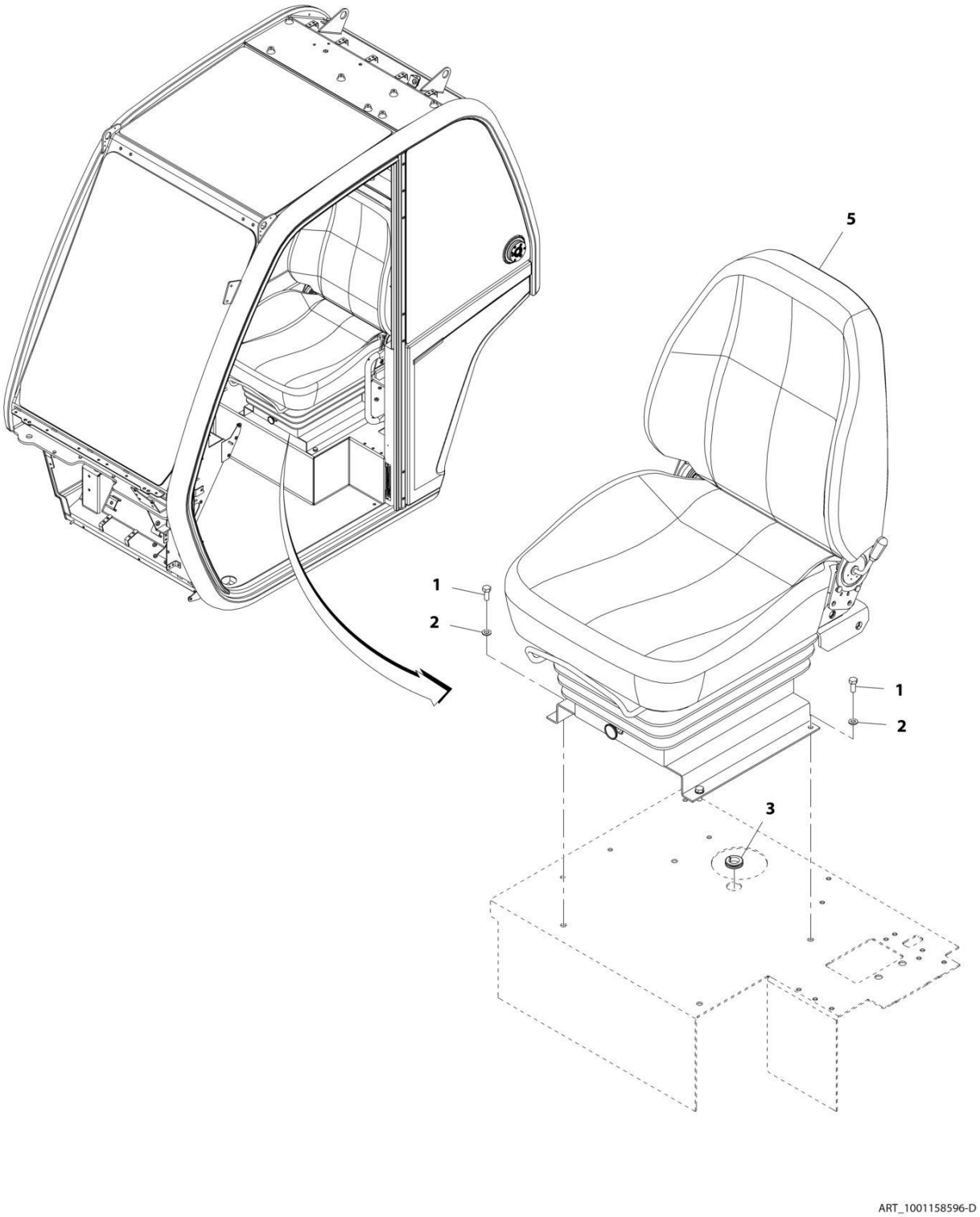


FIGURE 6-30. SEAT INSTALLATION (AIR SUSPENSION - STANDARD)

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 6-31. SEAT ASSEMBLY (AIR SUSPENSION - STANDARD)

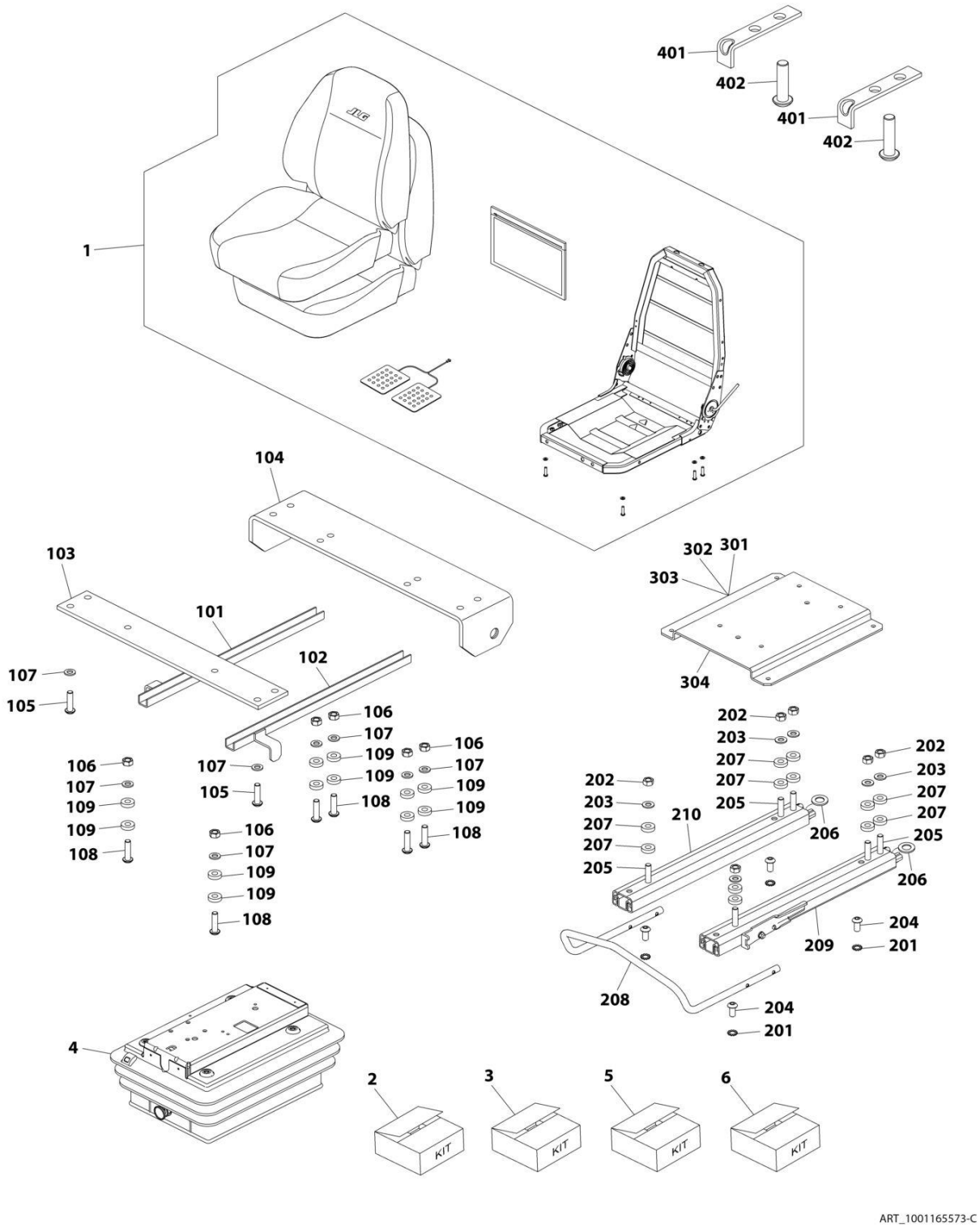


FIGURE 6-31. SEAT ASSEMBLY (AIR SUSPENSION - STANDARD)

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 6-32. UPPER SEAT ASSEMBLY

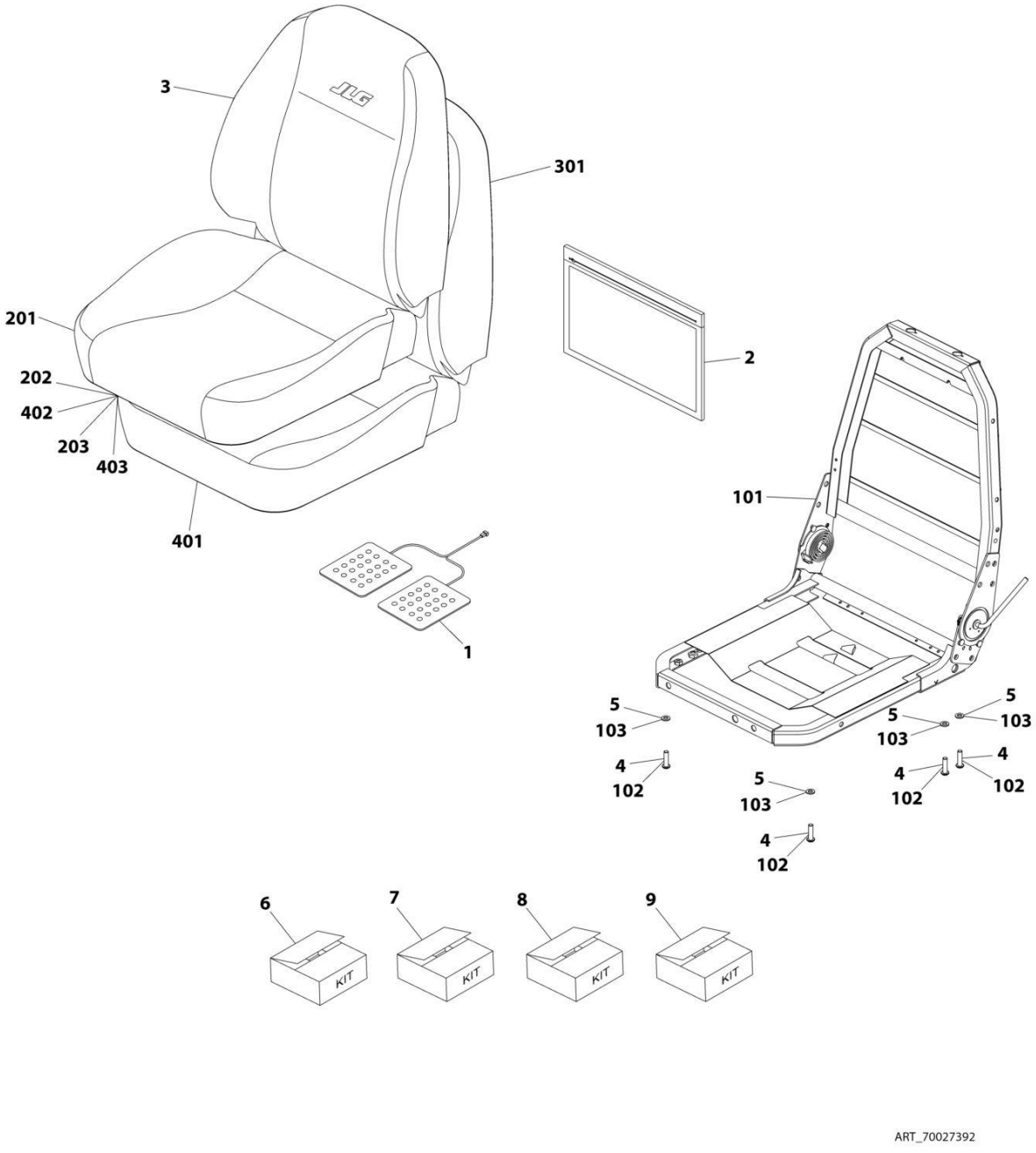


FIGURE 6-32. UPPER SEAT ASSEMBLY

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 6-33. SUSPENSION KIT

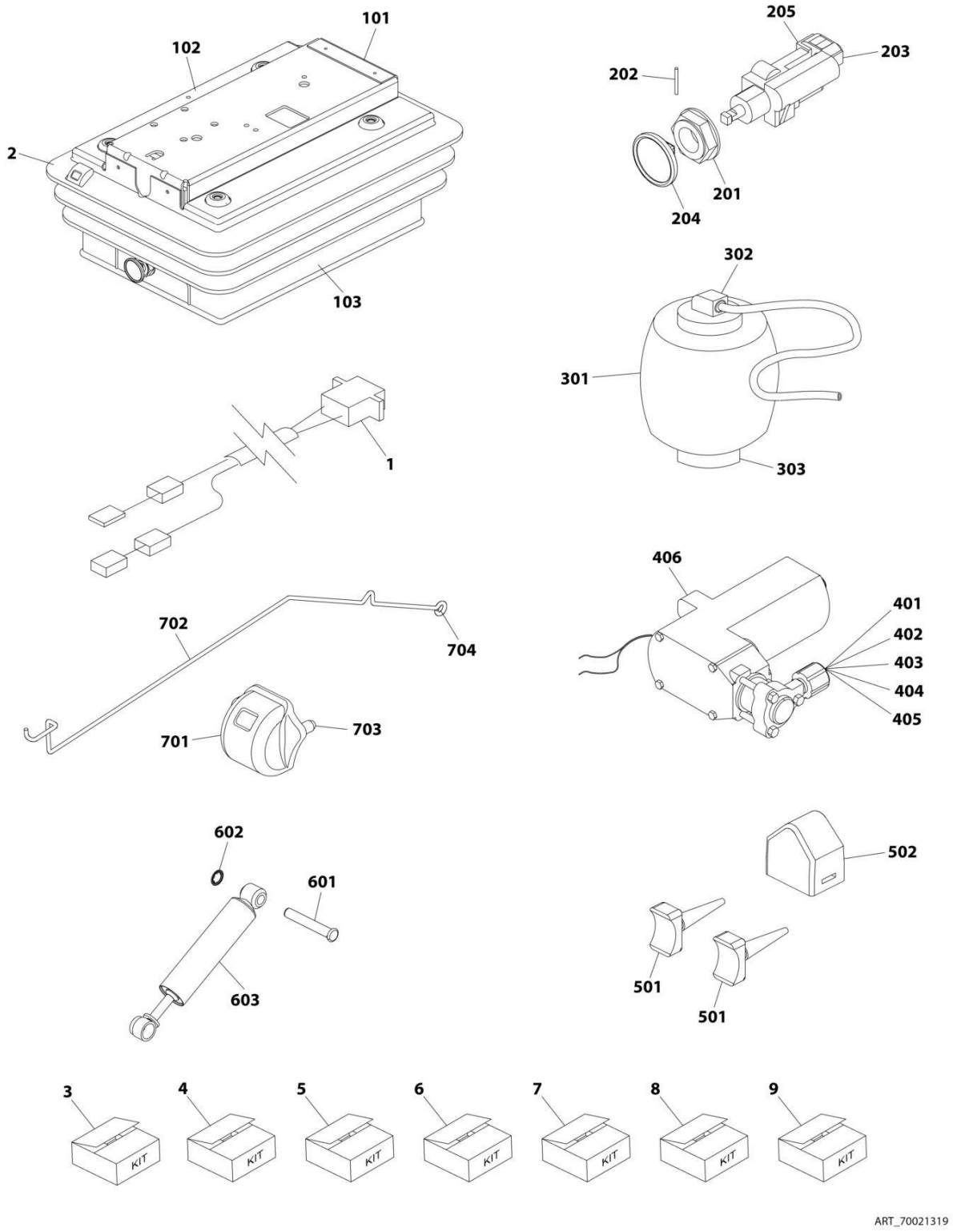


FIGURE 6-33. SUSPENSION KIT

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 6-34. SEAT INSTALLATION (AIR SUSPENSION - PREMIUM)

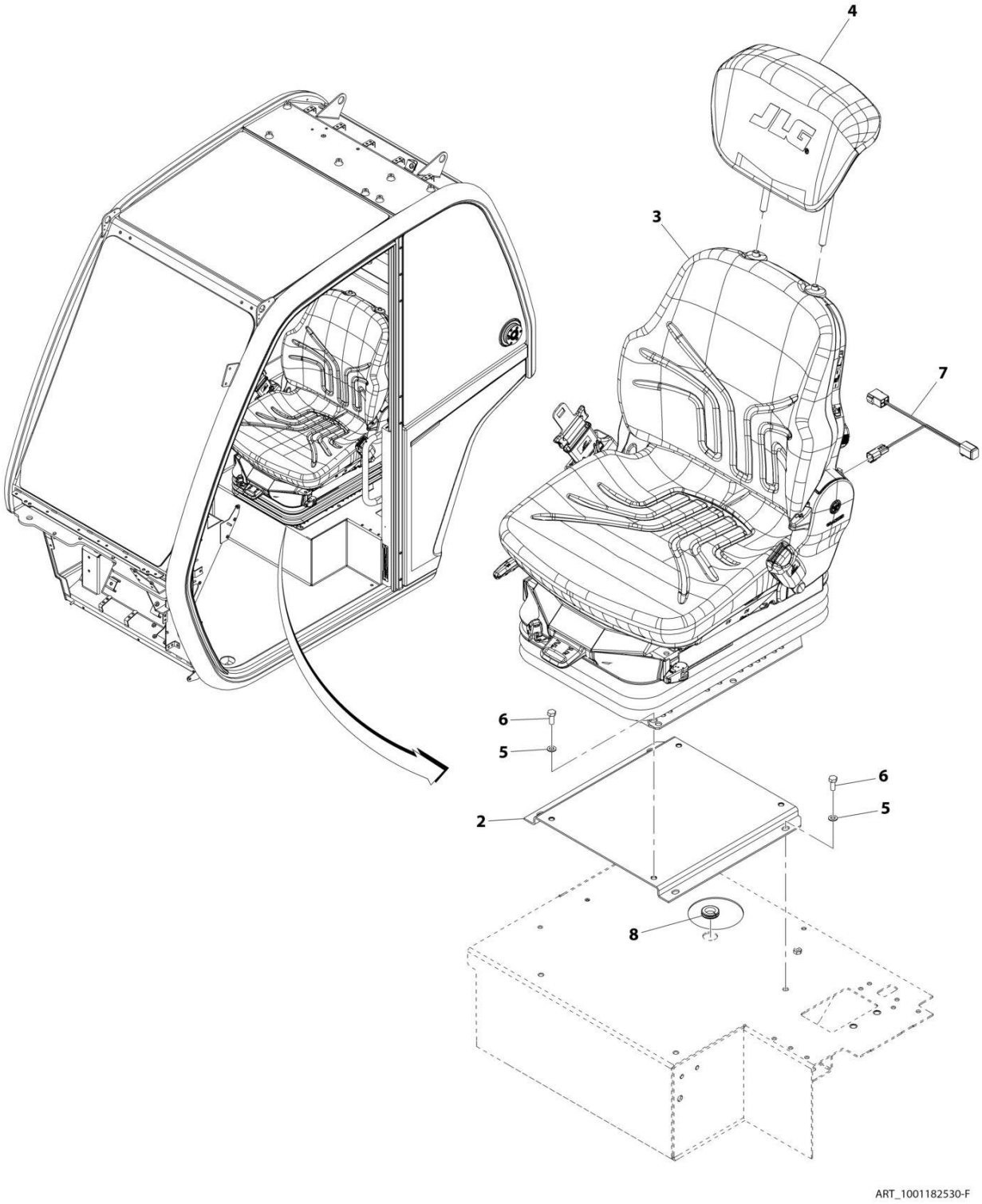


FIGURE 6-34. SEAT INSTALLATION (AIR SUSPENSION - PREMIUM)

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 6-35. SEAT ASSEMBLY (AIR SUSPENSION - PREMIUM)

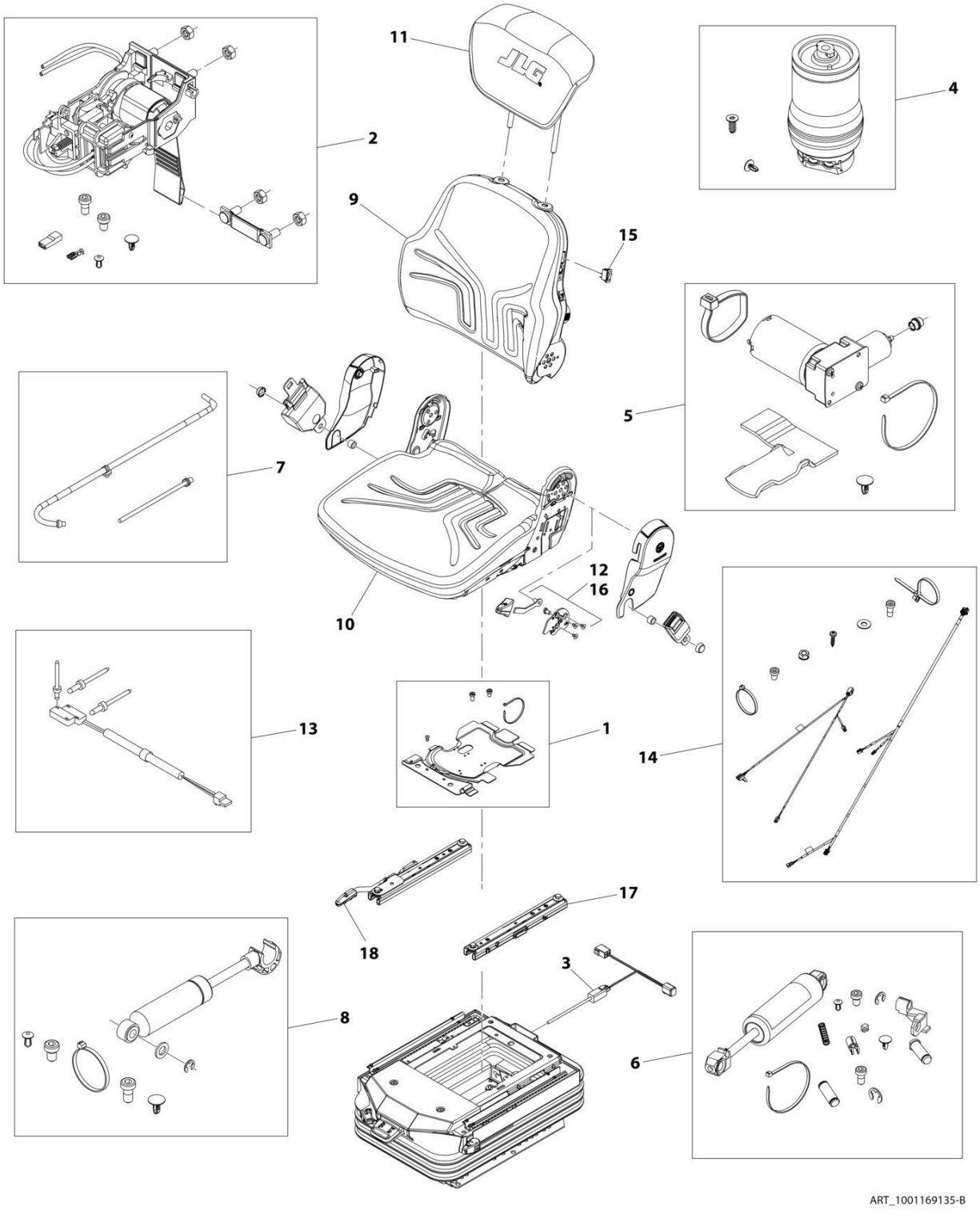


FIGURE 6-35. SEAT ASSEMBLY (AIR SUSPENSION - PREMIUM)

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 6-36. SEAT BELT INSTALLATION (3IN)

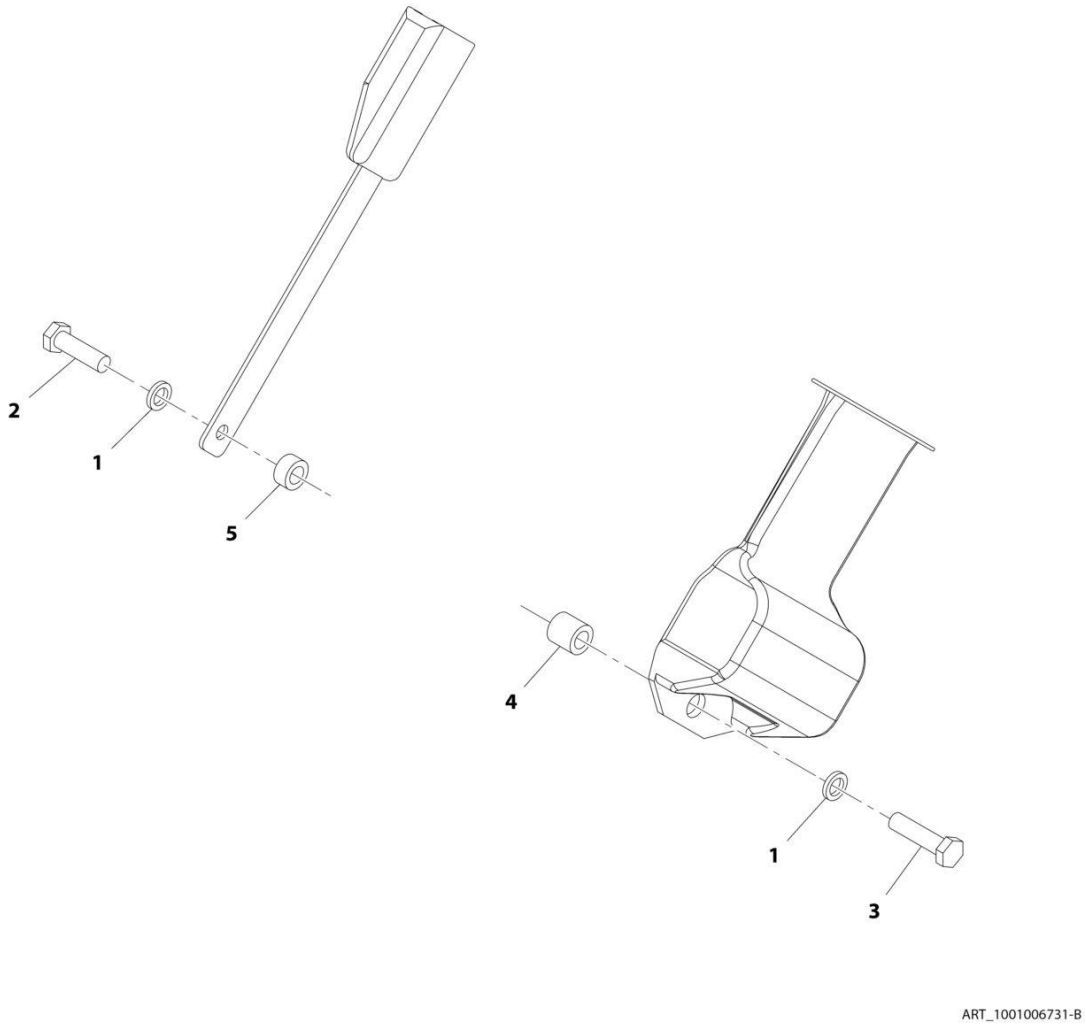


FIGURE 6-36. SEAT BELT INSTALLATION (3IN)

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 6-37. SEAT BELT INSTALLATION (2IN)

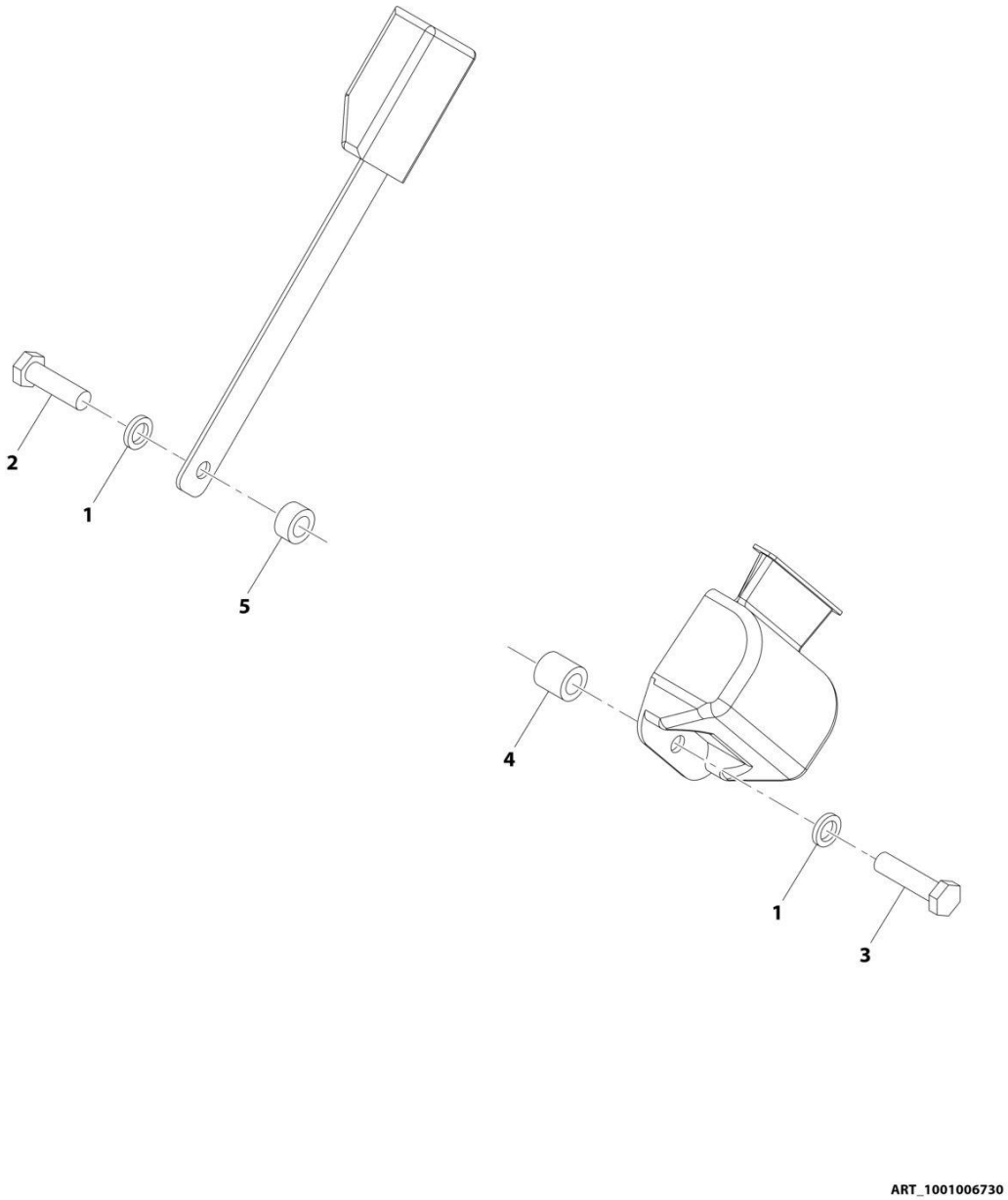


FIGURE 6-37. SEAT BELT INSTALLATION (2IN)

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 6-38. HEATER INSTALLATION

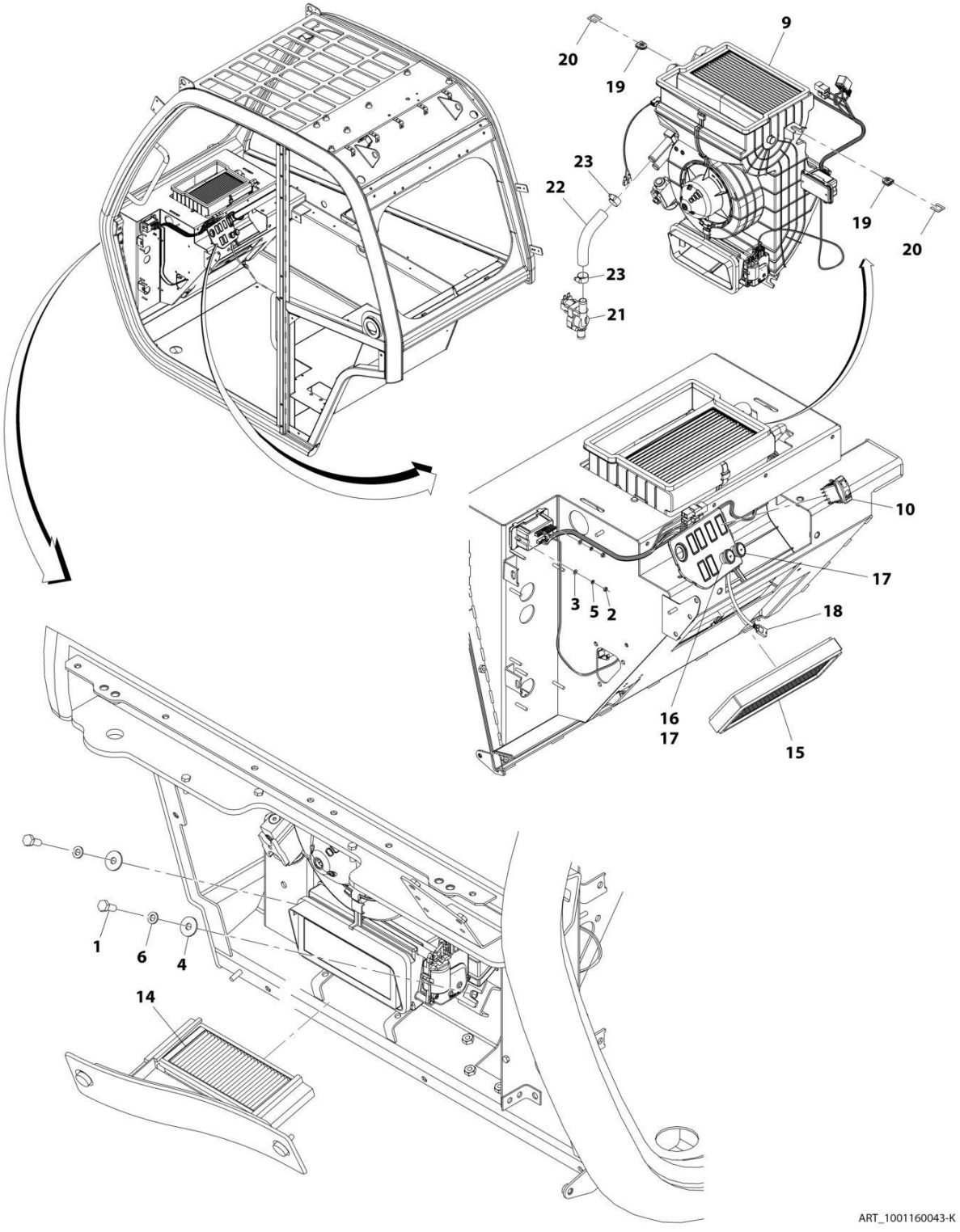


FIGURE 6-38. HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160043	Ref	Heater Installation	K
1	0760810	2	Bolt, M8X20	
2	3290401	2	Nut, M4X0.7	
3	4811400	2	Washer, M4	
4	4811902	2	Washer, M8	
5	4831400	2	Washer, Lock M4	
6	4831900	2	Washer, M8	
9	1001161858	1	Assembly, Heater (See Separate Breakdown in this Section)	
10	1001159925	1	Switch, HVAC Recycle	
14	1001218996	1	Filter, HVAC Air	
15	1001172553	1	Filter, HVAC Recirculation Air	
16	1001172547	1	Switch, HVAC Rotary 3 Speed	
17	1001172550	2	Knob, HVAC Control	
18	1001218529	1	Cable, HVAC	
19	1001188590	2	Grommet	
20	1001218542	2	Shim	
21	1001221059	1	Valve, Water	
22	1001221295	1	House	
23	8410009	2	Clamp	

FIGURE 6-39. HEATER ASSEMBLY

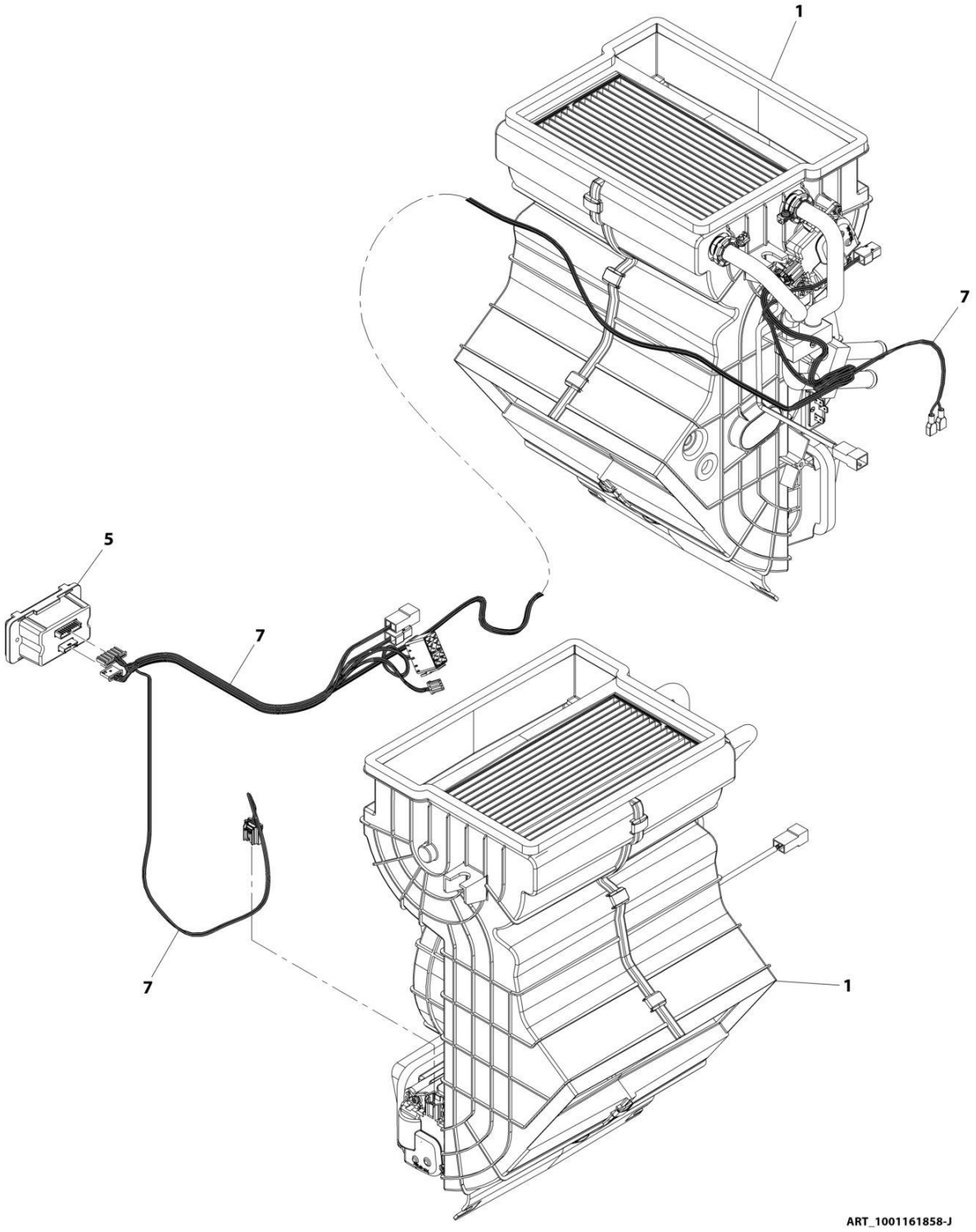


FIGURE 6-39. HEATER ASSEMBLY

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

FIGURE 6-40. HEATER

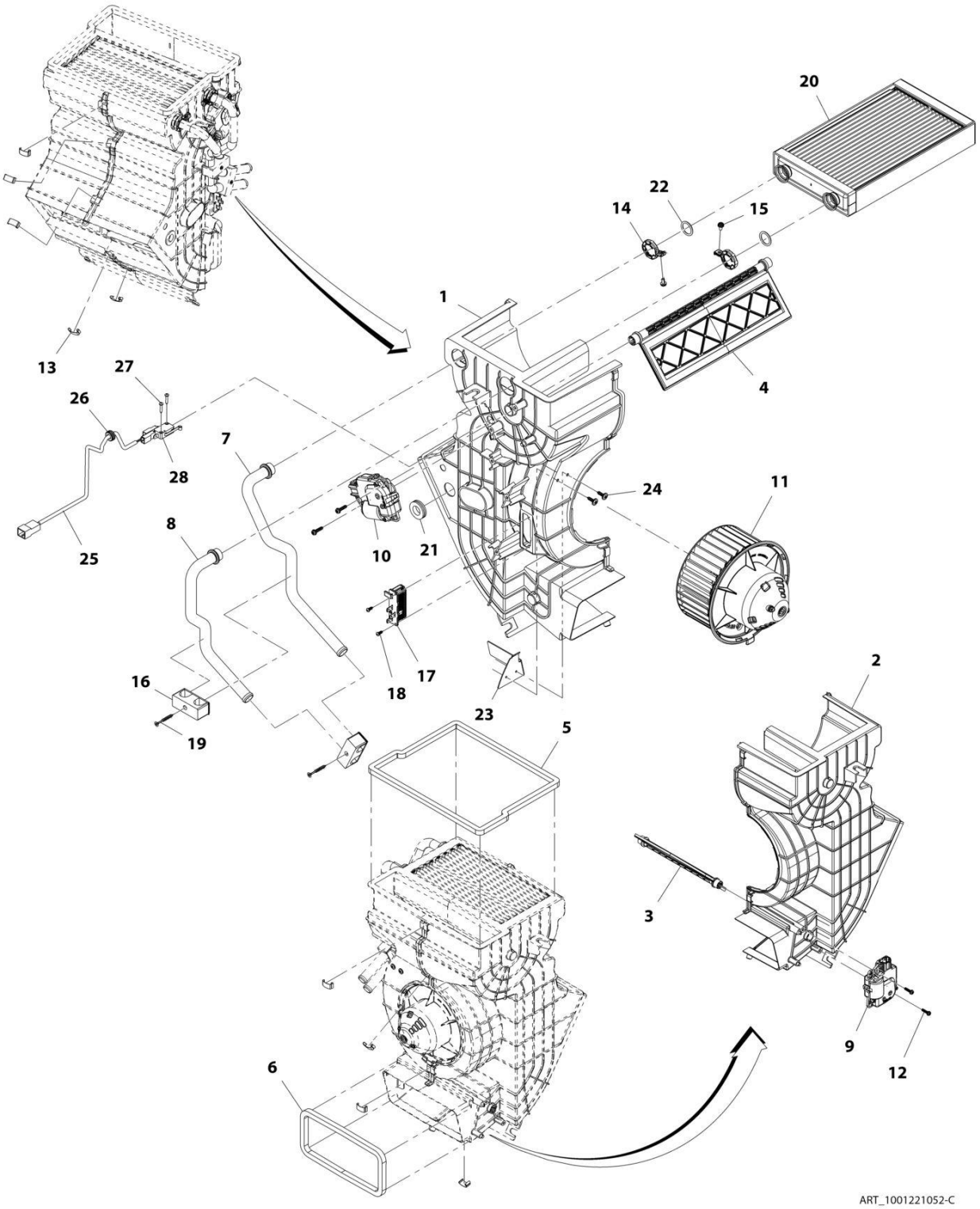


FIGURE 6-40. HEATER

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

FIGURE 6-41. HVAC CAB ACTUATOR

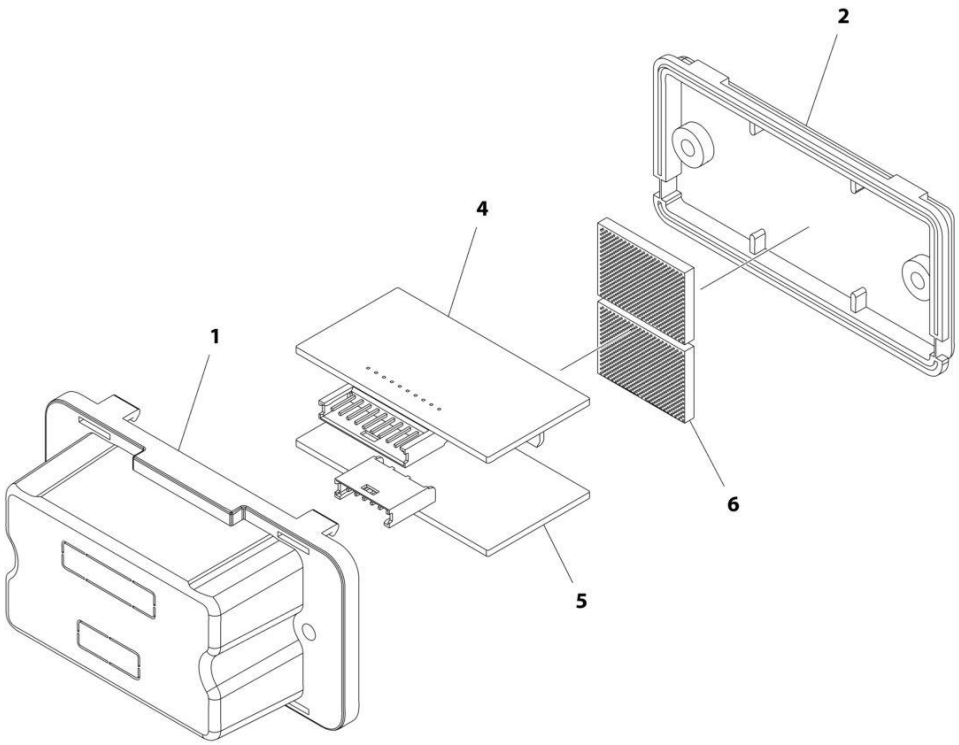
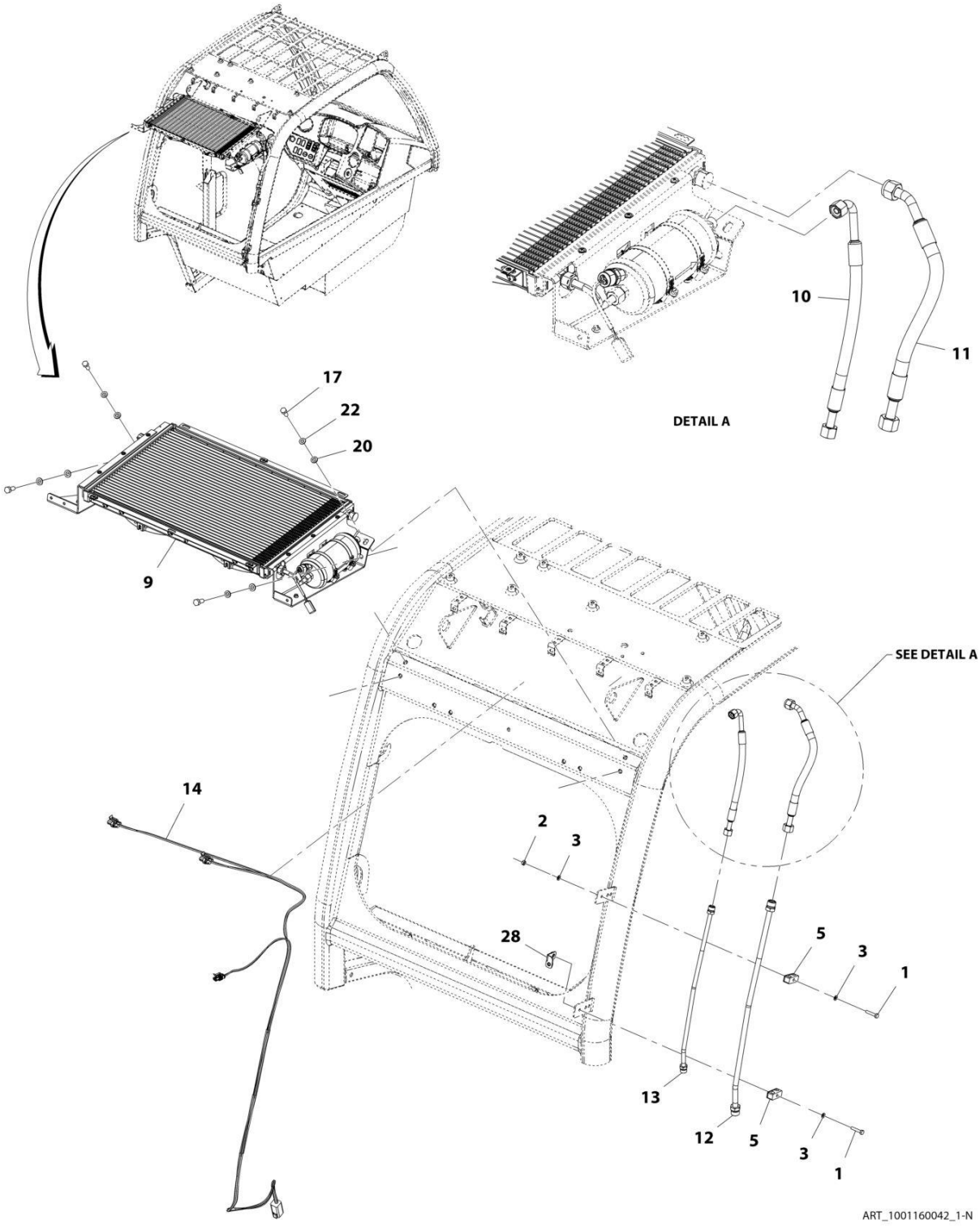
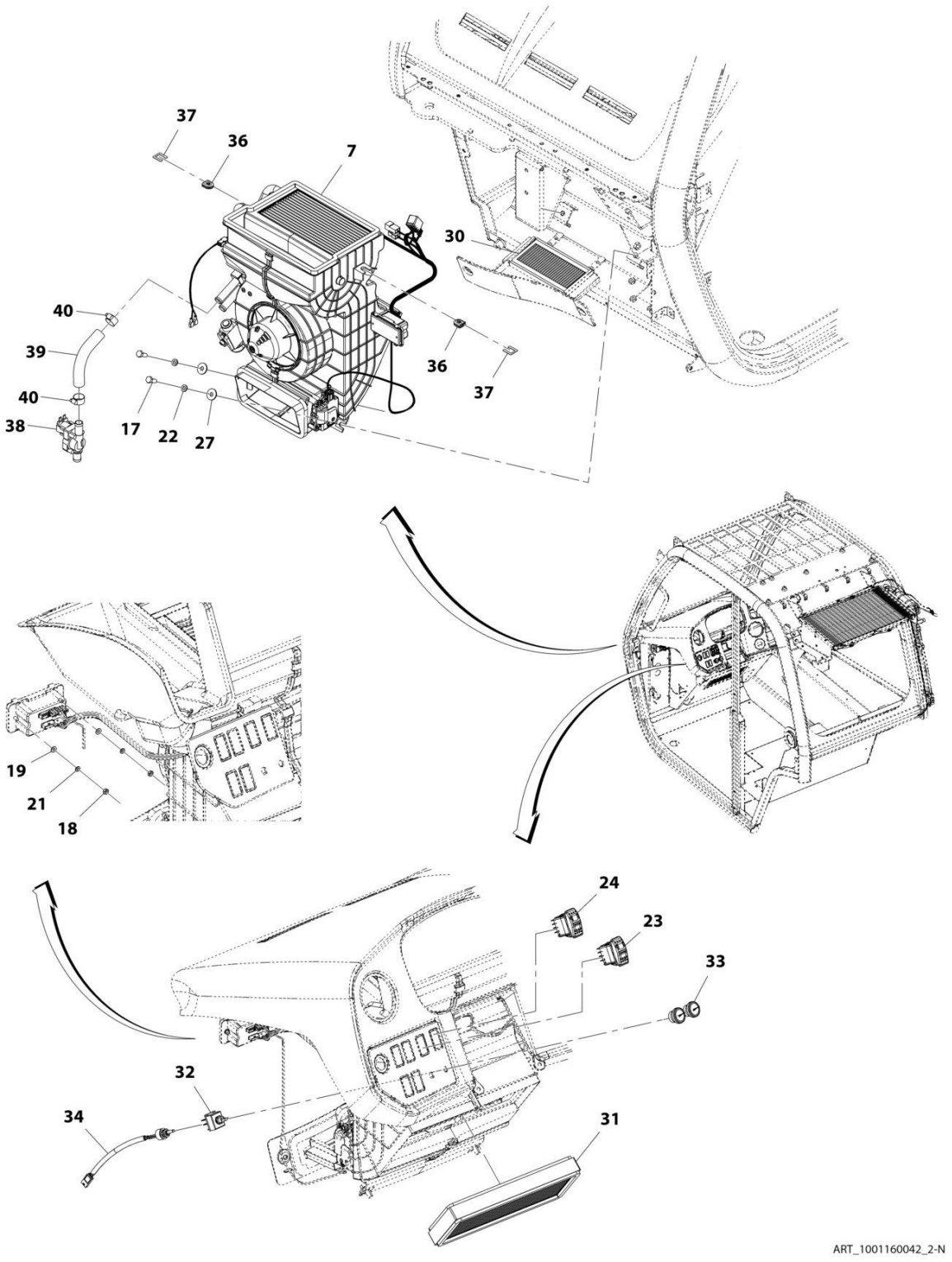


FIGURE 6-41. HVAC CAB ACTUATOR

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

FIGURE 6-42. HEATER AND A/C INSTALLATION (CAB PARTS)

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ART_1001160042_2-N

FIGURE 6-42. HEATER AND A/C INSTALLATION (CAB PARTS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160042	Ref	Heater and A/C Installation (Cab Parts)	N
1	0700614	2	Bolt, M6X30	
2	3290601	1	Nut, M6X1	
3	4811700	3	Washer, M6	
5	1001145539	2	Support, Pipe	
7	1001188303	1	Assembly, Heater and A/C (See Separate Breakdown in this Section)	
9	1001162953	1	Assembly, Cab Condenser (See Separate Breakdown in this Section)	
10	1001168327	1	Hose	
11	1001168330	1	Hose	
12	1001168331	1	Tube	
13	1001168456	1	Tube	
14	1001169151	1	Harness, A/C Option (See Separate Breakdown in ELECTRICAL Section)	
17	0760810	6	Bolt, M8X20 GR8.8	
18	3290401	2	Nut, M4X0.7	
19	4811400	2	Washer, M4	
20	4811900	4	Washer, M8	
21	4831400	2	Washer, Lock M4	
22	4831900	6	Washer, Lock M8	
23	1001159925	1	Switch, HVAC Recycle	
24	1001160326	1	Switch, HVAC On/Off	
27	4811902	2	Washer, M8	
28	1001178170	1	Bracket	
30	1001218996	1	Filter, HVAC Fresh Air	
31	1001172553	1	Filter, HVAC Air Recirculation	
32	1001172547	1	Switch, HVAC Rotary 3 Speed	
33	1001172550	2	Knob, HVAC Control	
34	1001218529	1	Cable, HVAC	
35	1320022	1	Clamp	
36	1001188590	2	Grommet	
37	1001218542	2	Shim	
38	1001221059	1	Valve, Water	
39	1001221295	1	Hose	
40	8410009	2	Clamp	

FIGURE 6-43. HEATER AND A/C ASSEMBLY

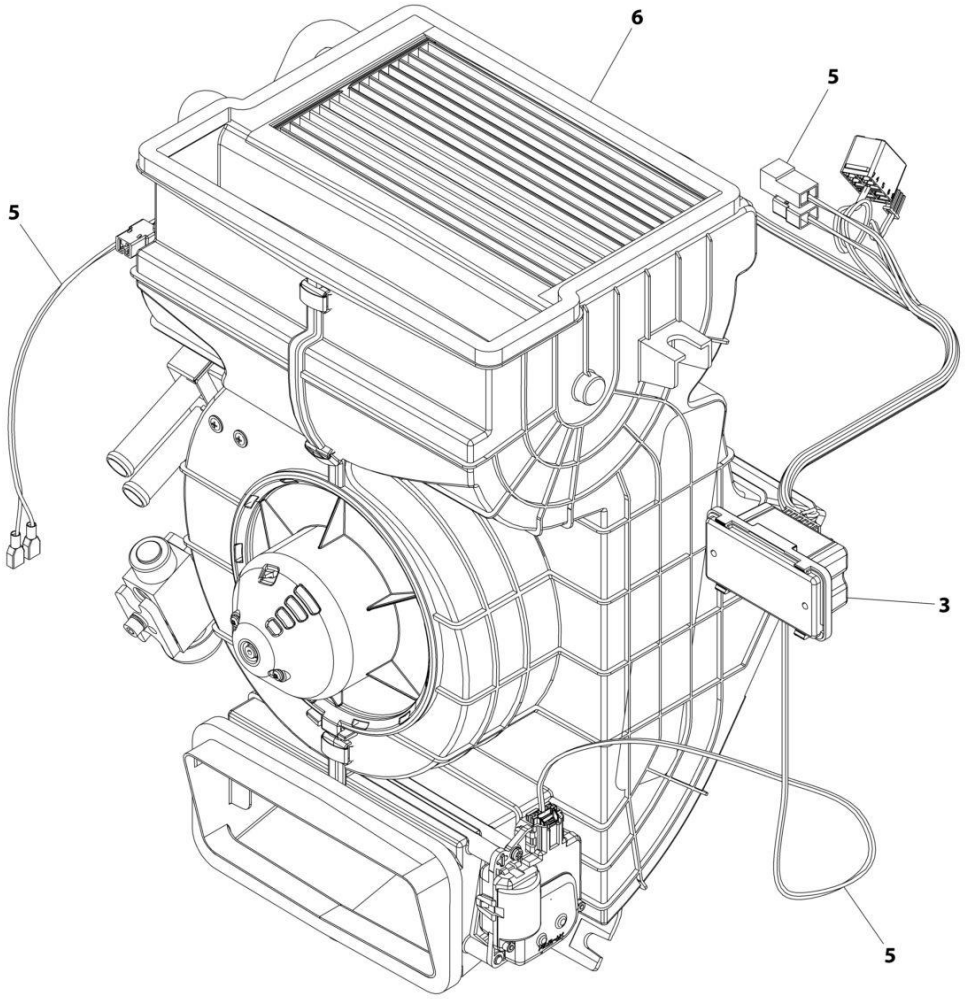


FIGURE 6-43. HEATER AND A/C ASSEMBLY

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

FIGURE 6-44. HEATER AND A/C

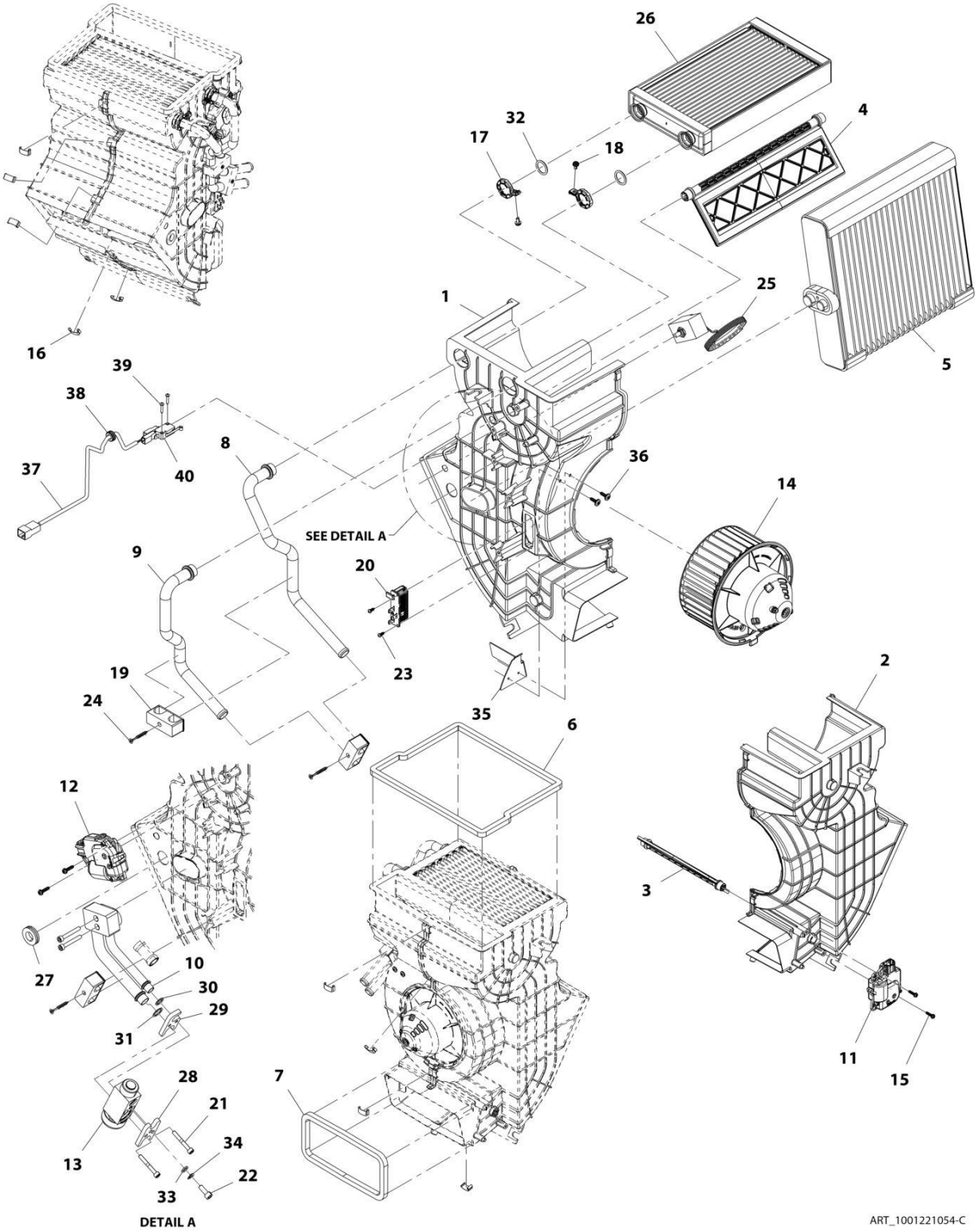


FIGURE 6-44. HEATER AND A/C

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

FIGURE 6-45. CAB CONDENSER ASSEMBLY

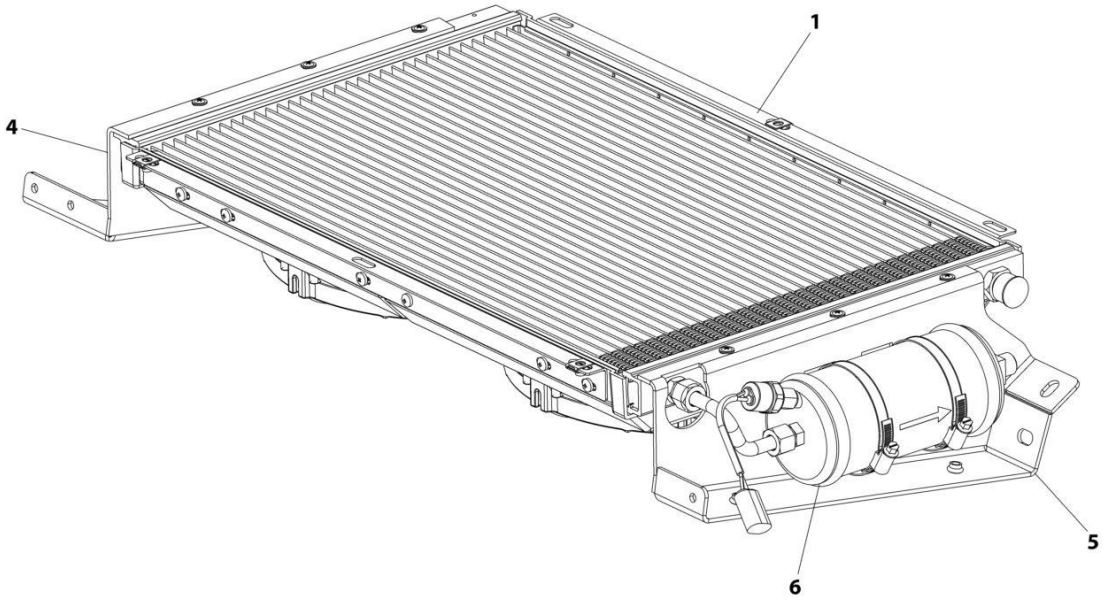


FIGURE 6-45. CAB CONDENSER ASSEMBLY

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

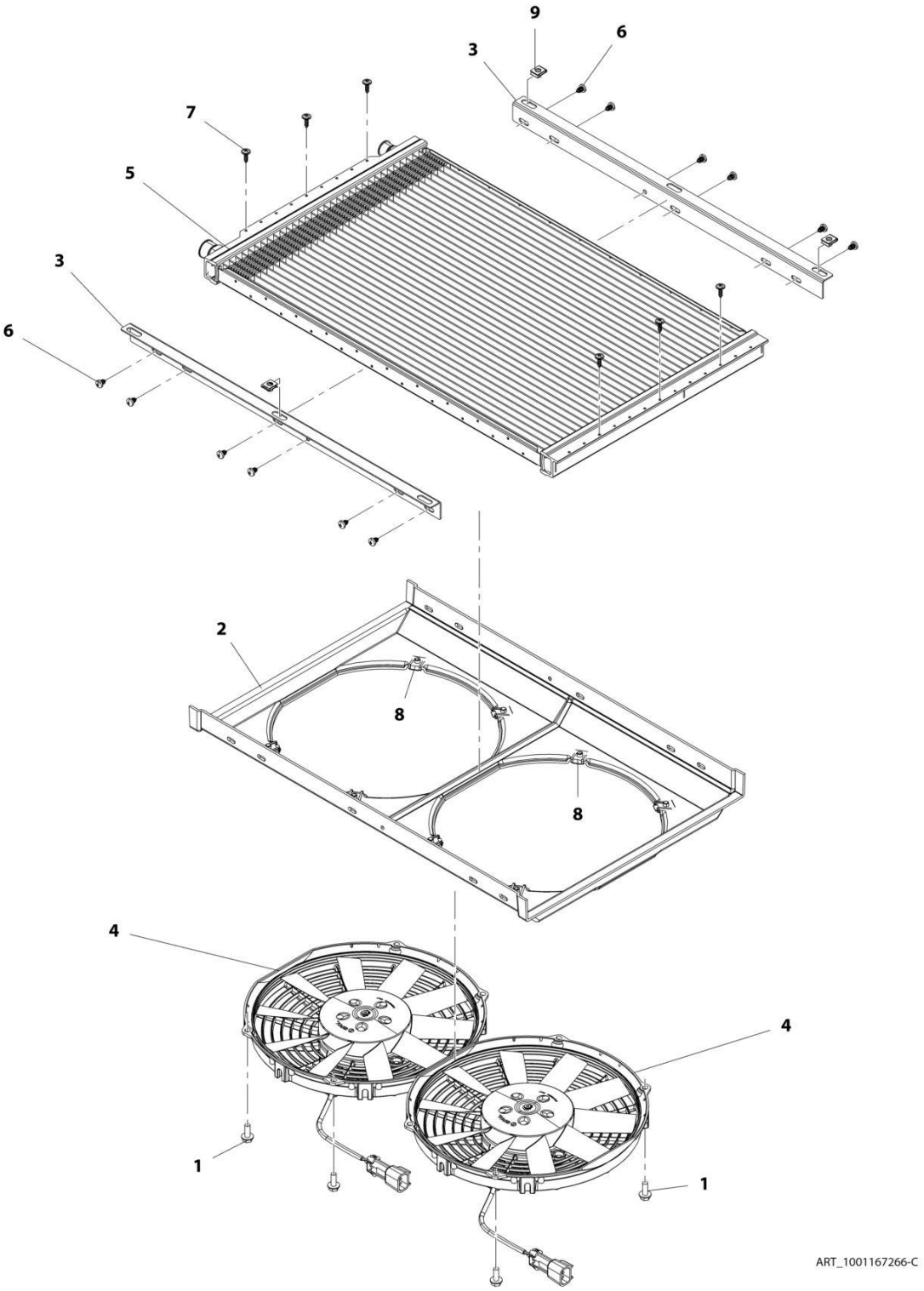


FIGURE 6-46. CONDENSER

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

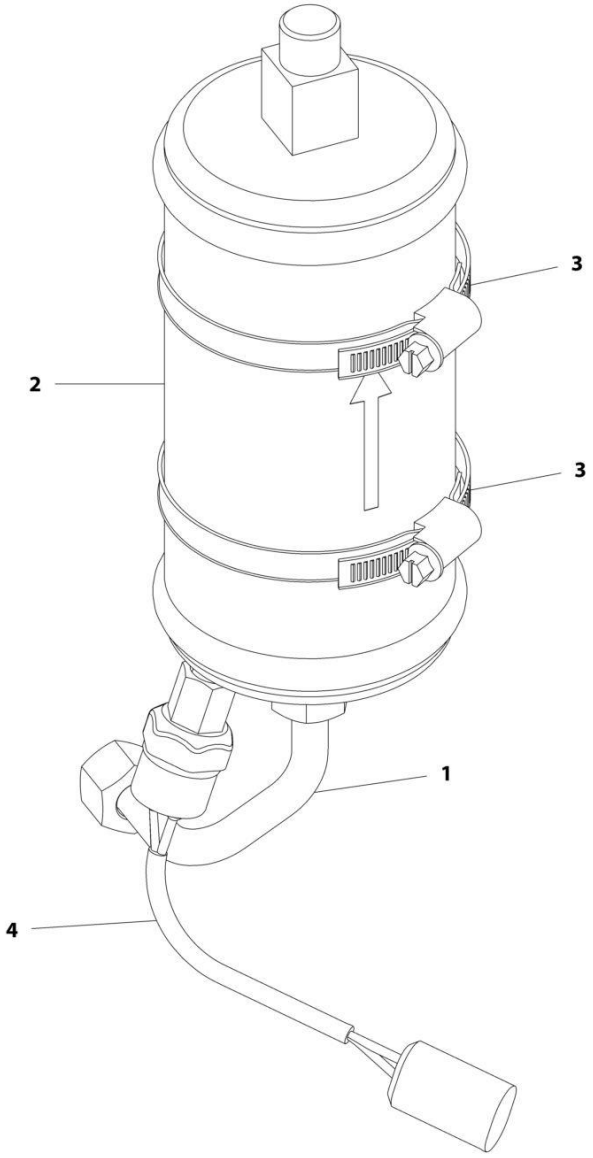


FIGURE 6-47. A/C RECEIVER DRIER

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. HEADLINER INSTALLATION

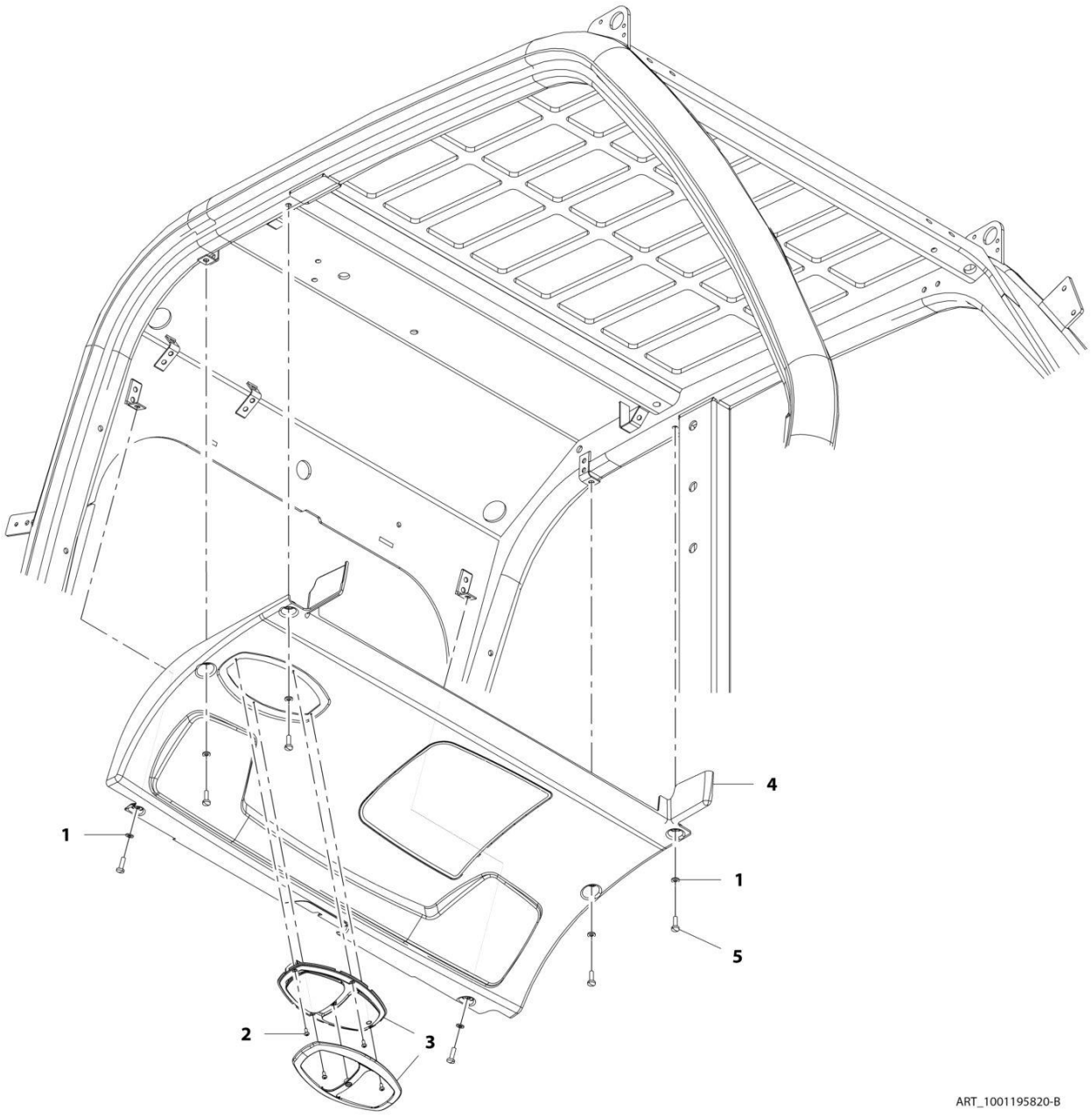


FIGURE 6-48. HEADLINER INSTALLATION

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 6-49. HEADLINER/RADIO READY PACKAGE INSTALLATION

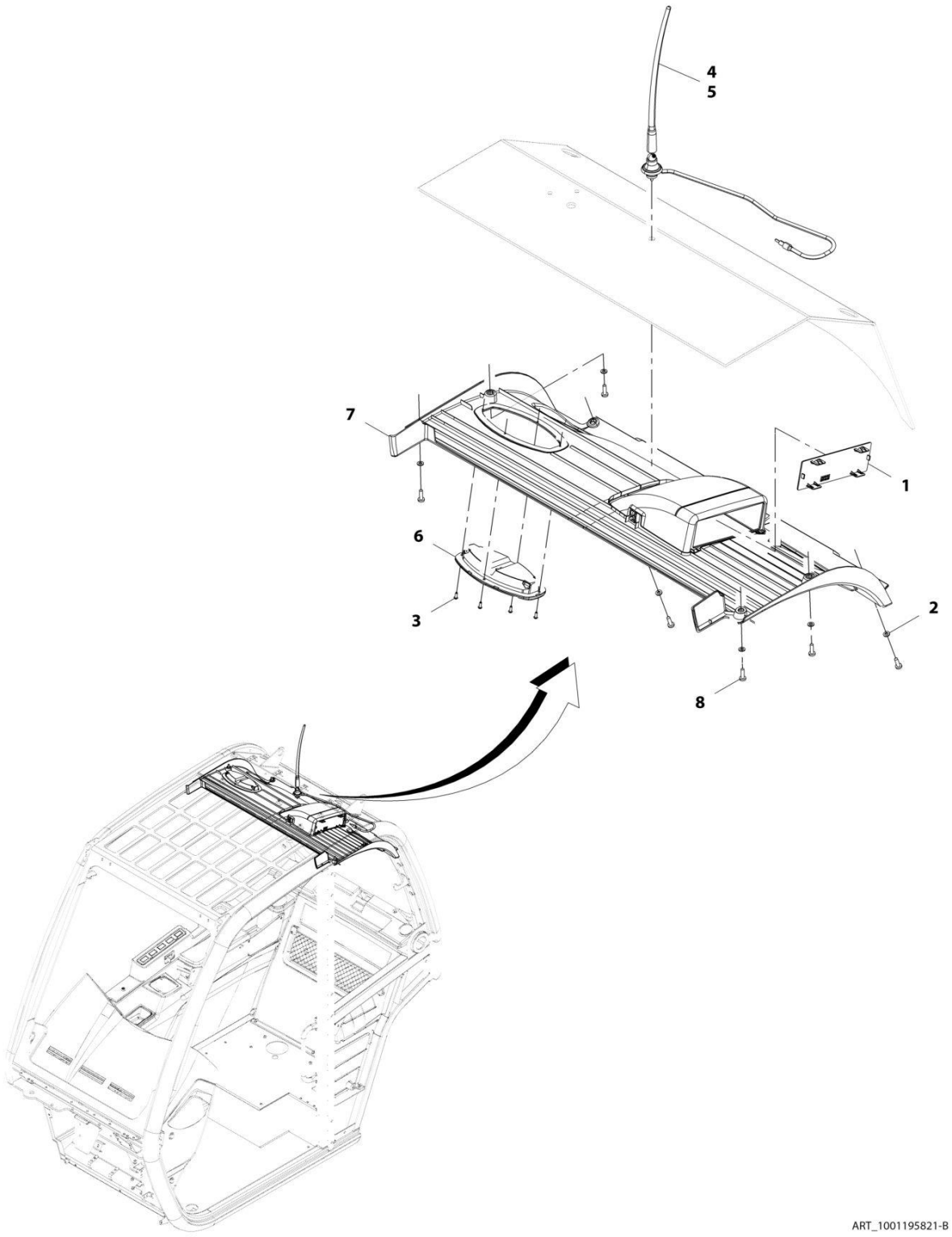
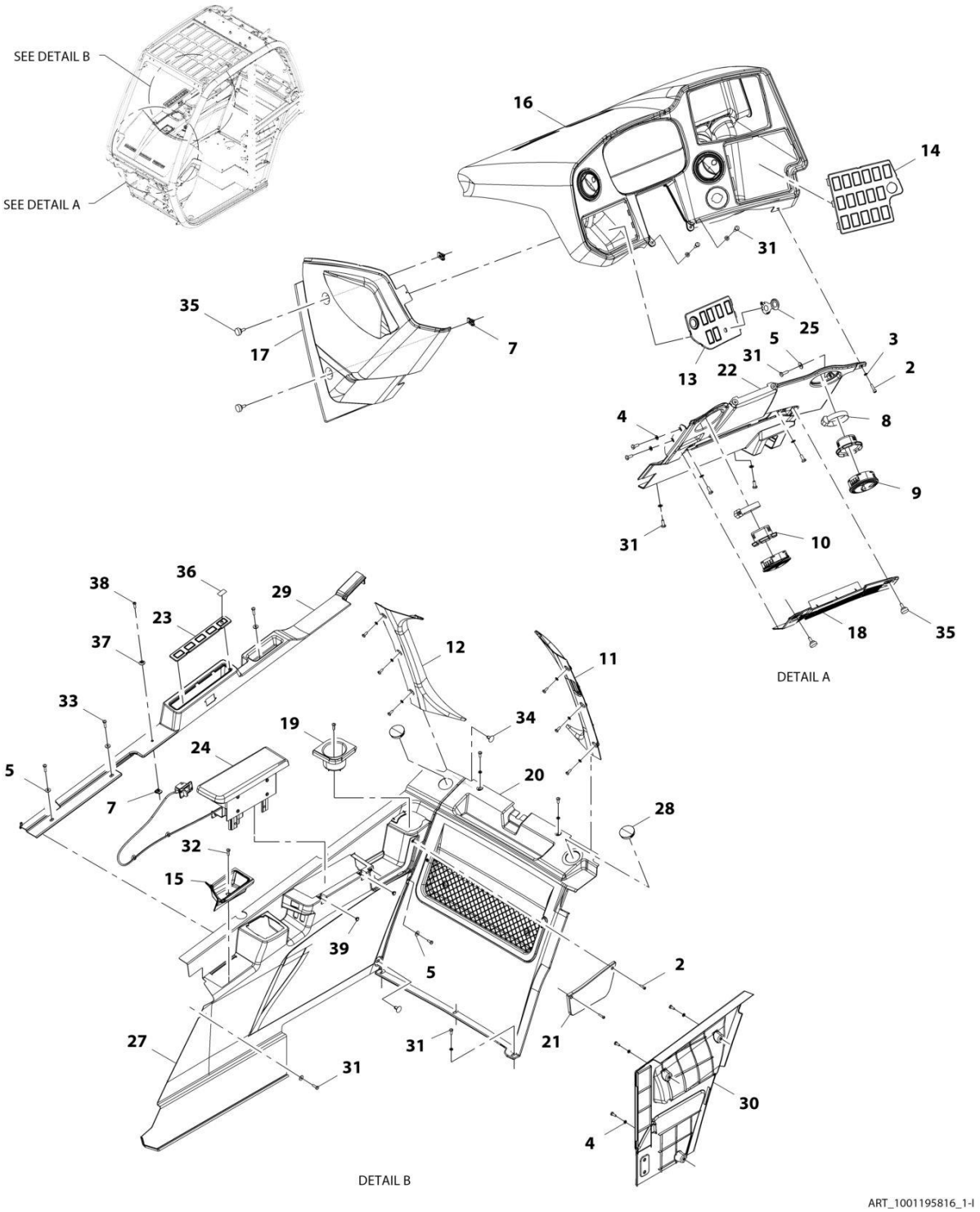


FIGURE 6-49. HEADLINER/RADIO READY PACKAGE INSTALLATION

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 6-50. CAB TRIM INSTALLATION



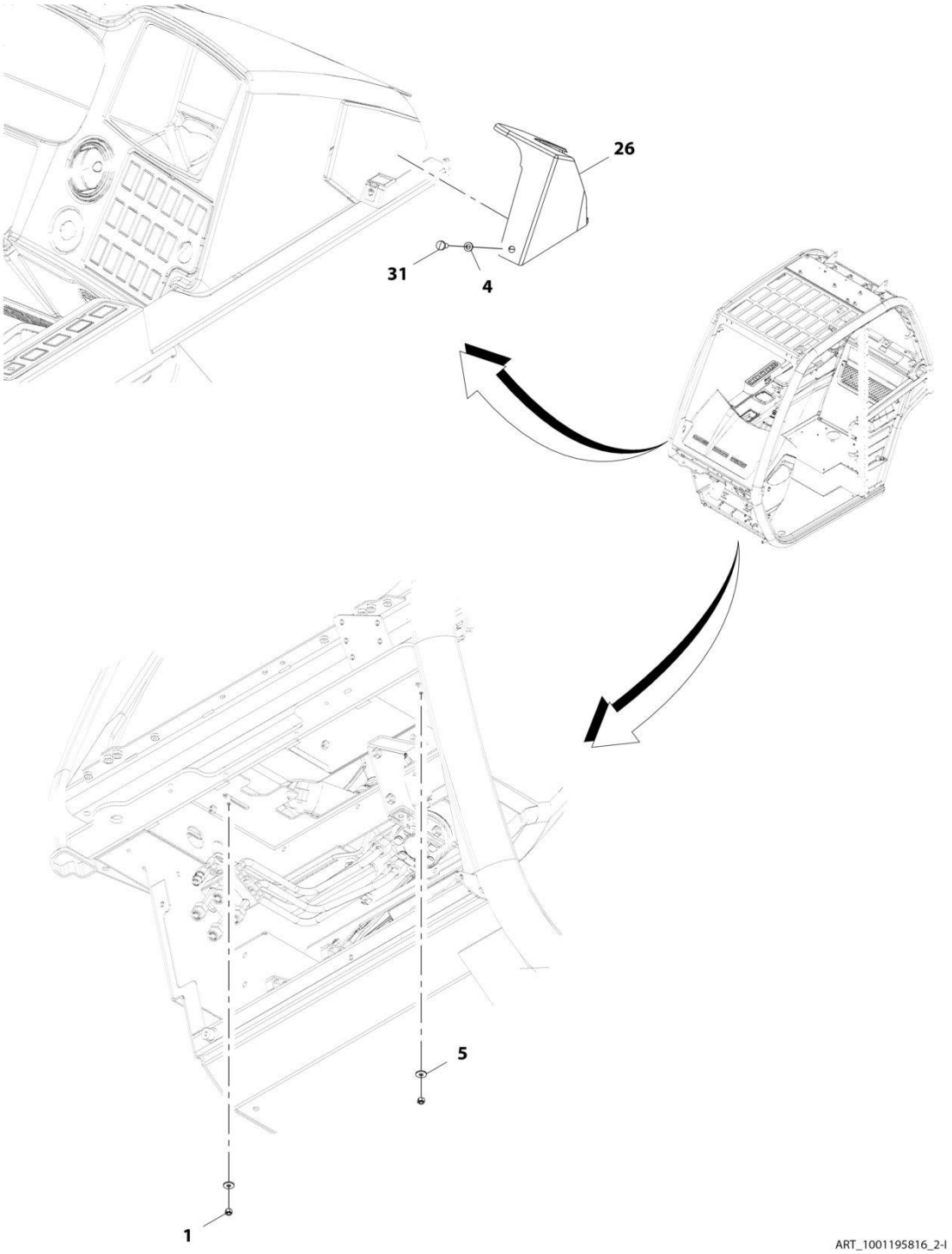

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FIGURE 6-50. CAB TRIM INSTALLATION

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 6-51. DASH COVER ASSEMBLY

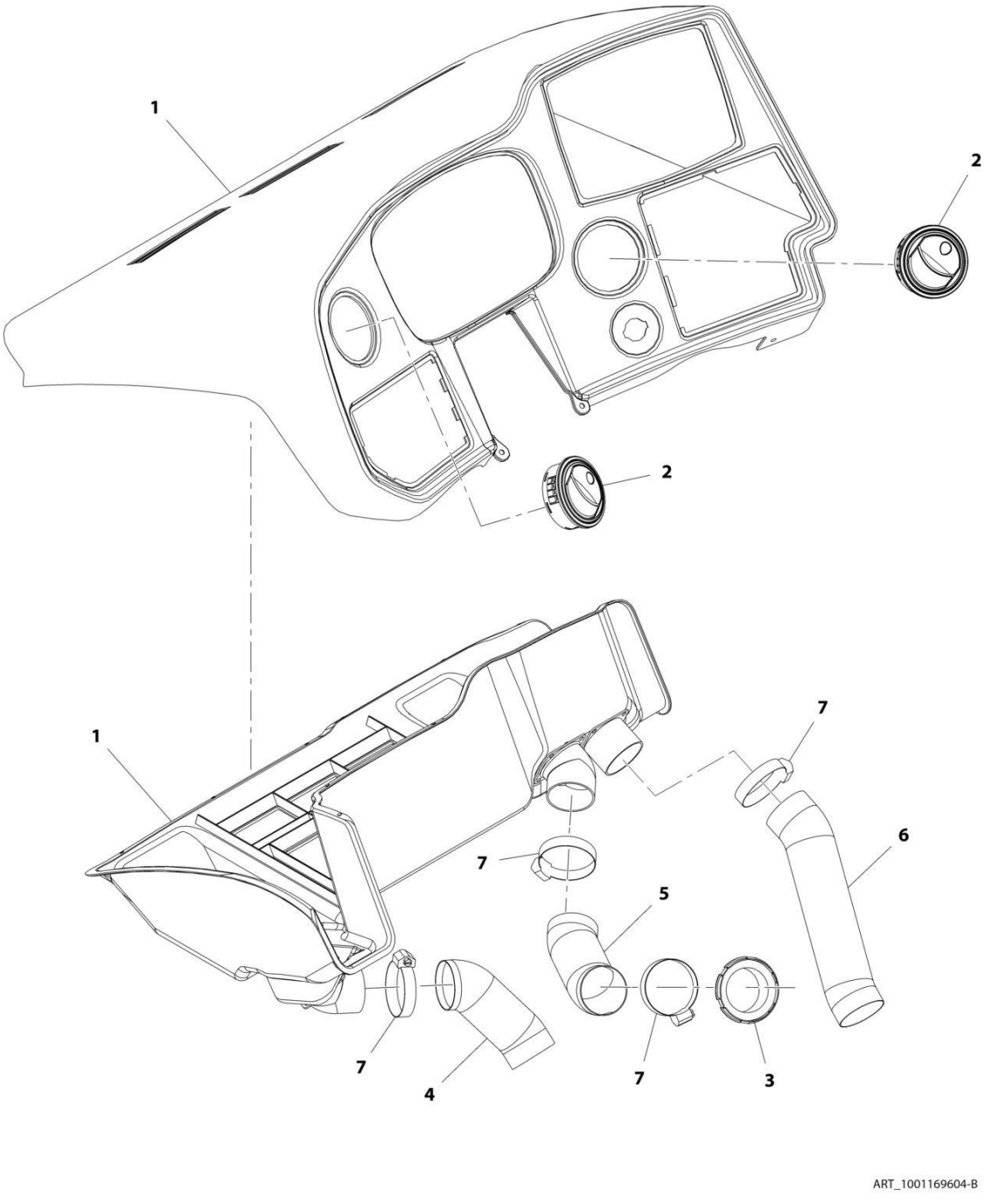

FIGURE 6-51. DASH COVER ASSEMBLY

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 6-52. REAR PANEL COVER ASSEMBLY

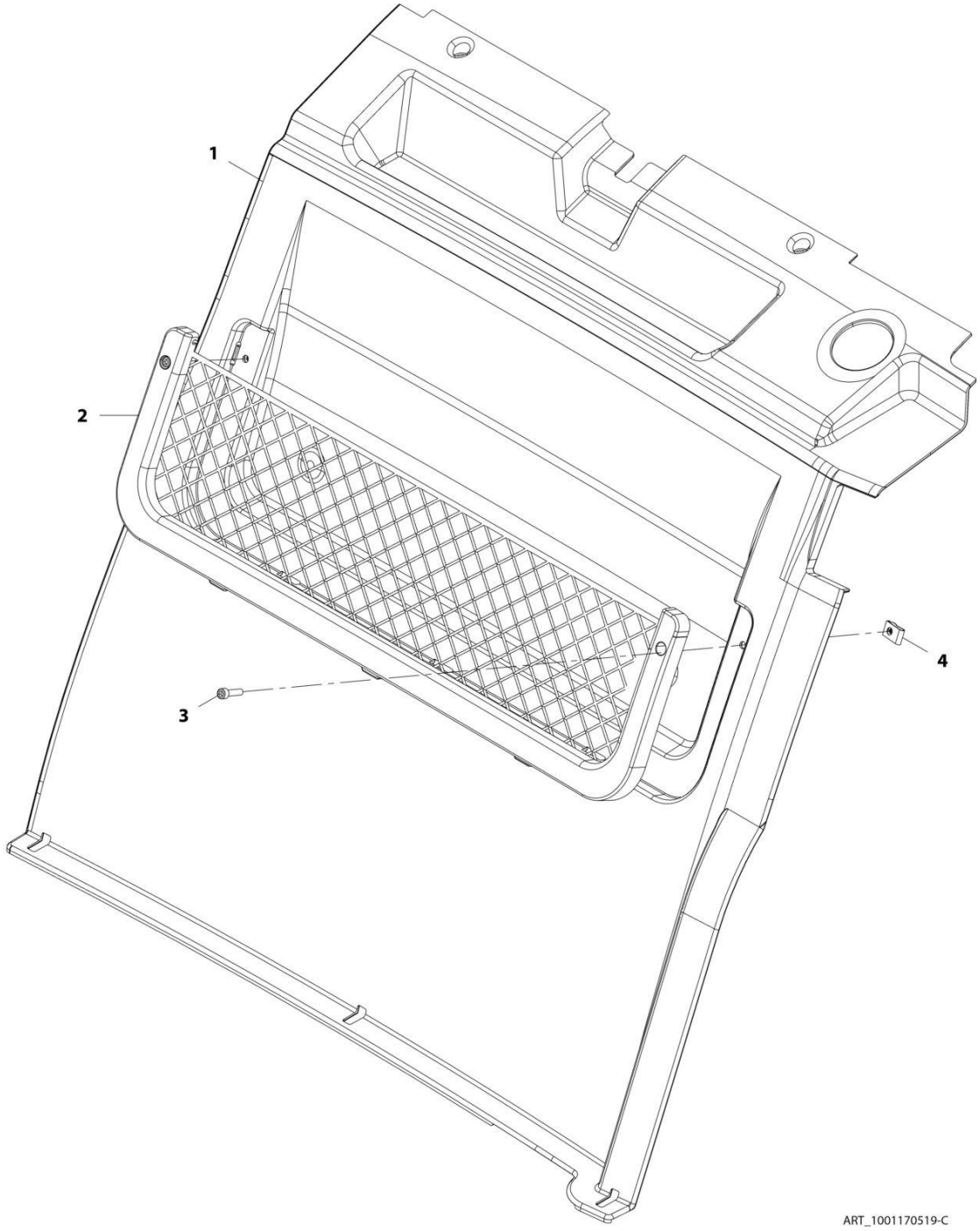

FIGURE 6-52. REAR PANEL COVER ASSEMBLY

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 6-53. ADJUSTABLE ARMREST INSTALLATION

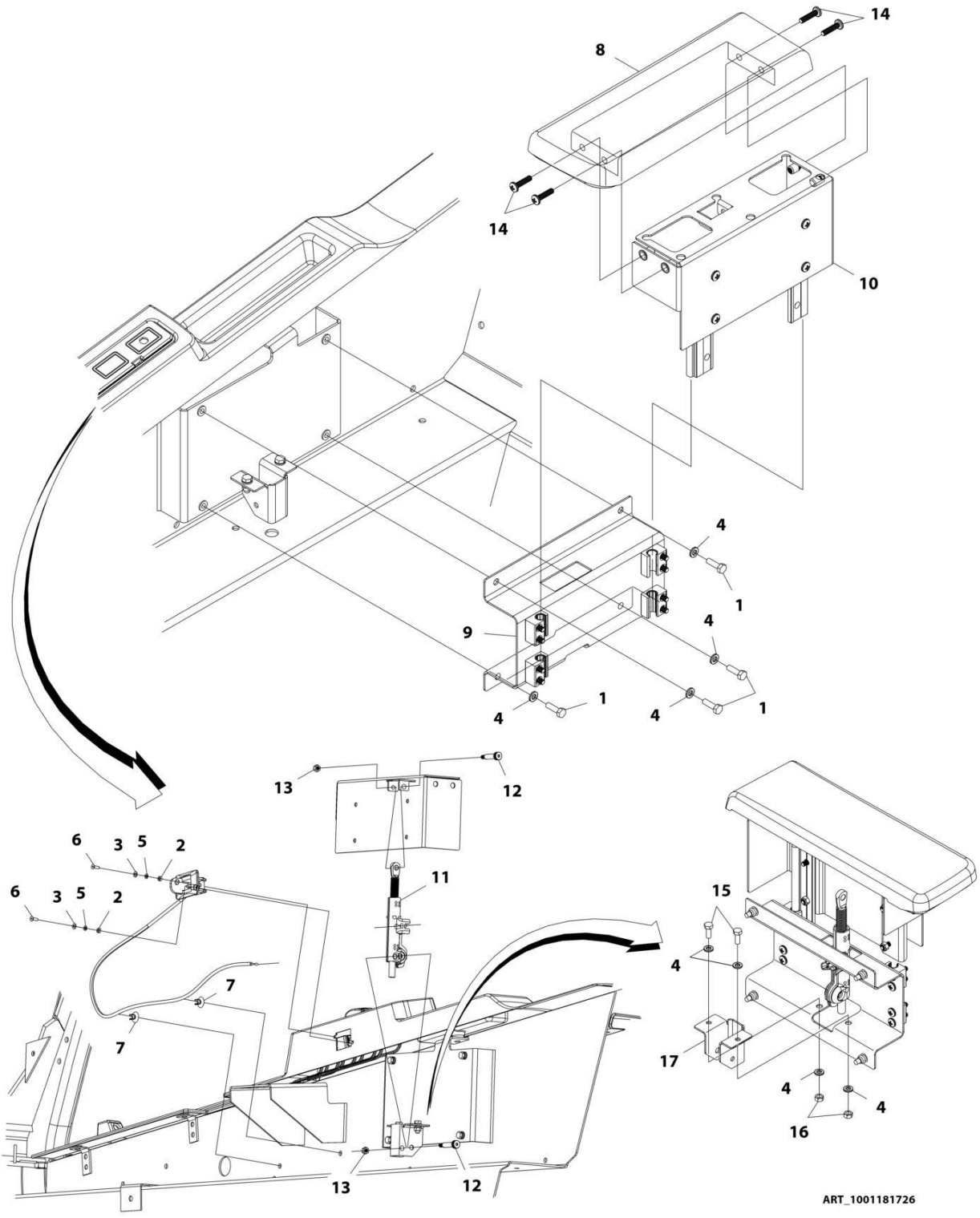

FIGURE 6-53. ADJUSTABLE ARMREST INSTALLATION

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 6-54. ARMREST

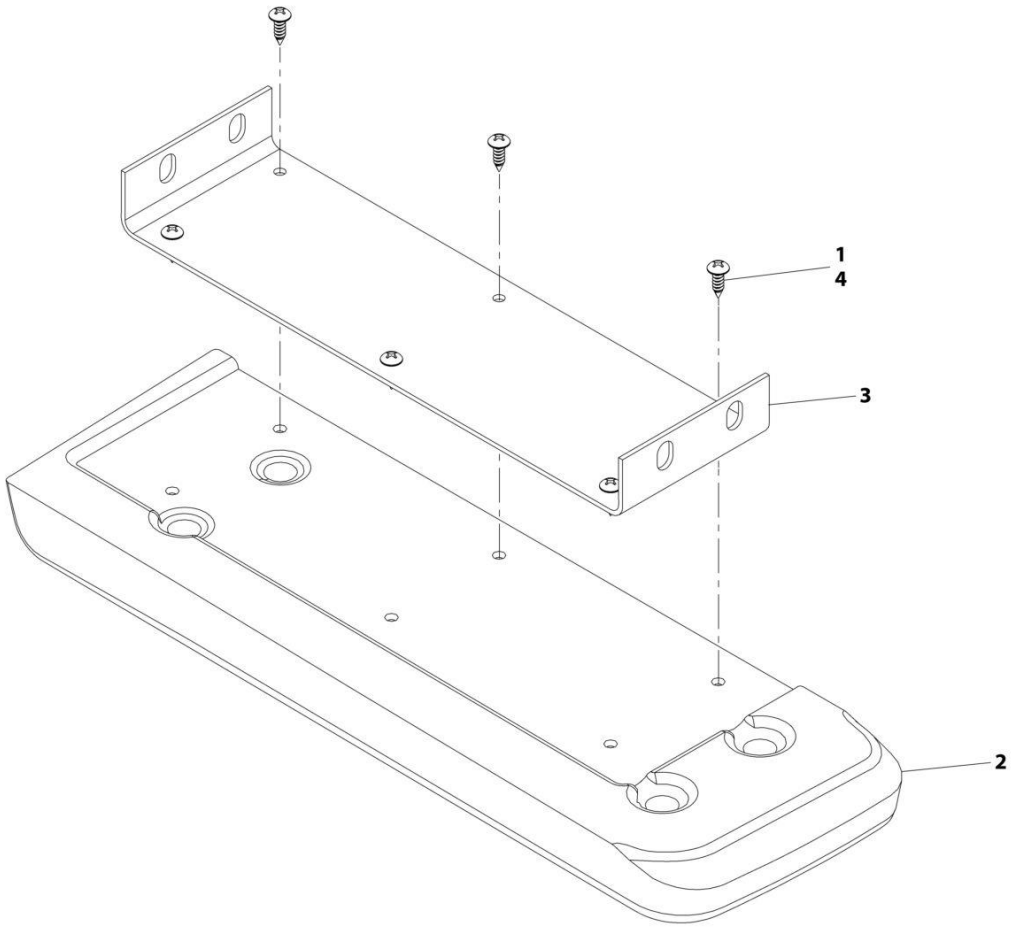

FIGURE 6-54. ARMREST

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 6-55. FIXED ARMREST BRACKET

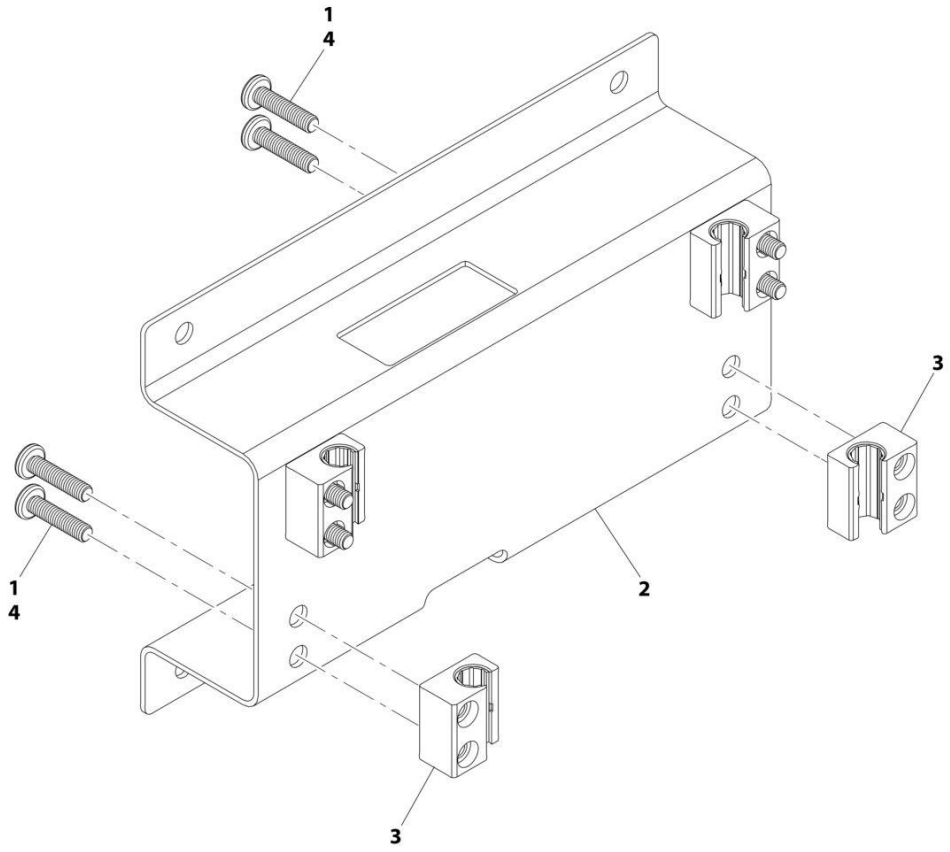

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FIGURE 6-55. FIXED ARMREST BRACKET

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 6-56. MOVING ARMREST BRACKET

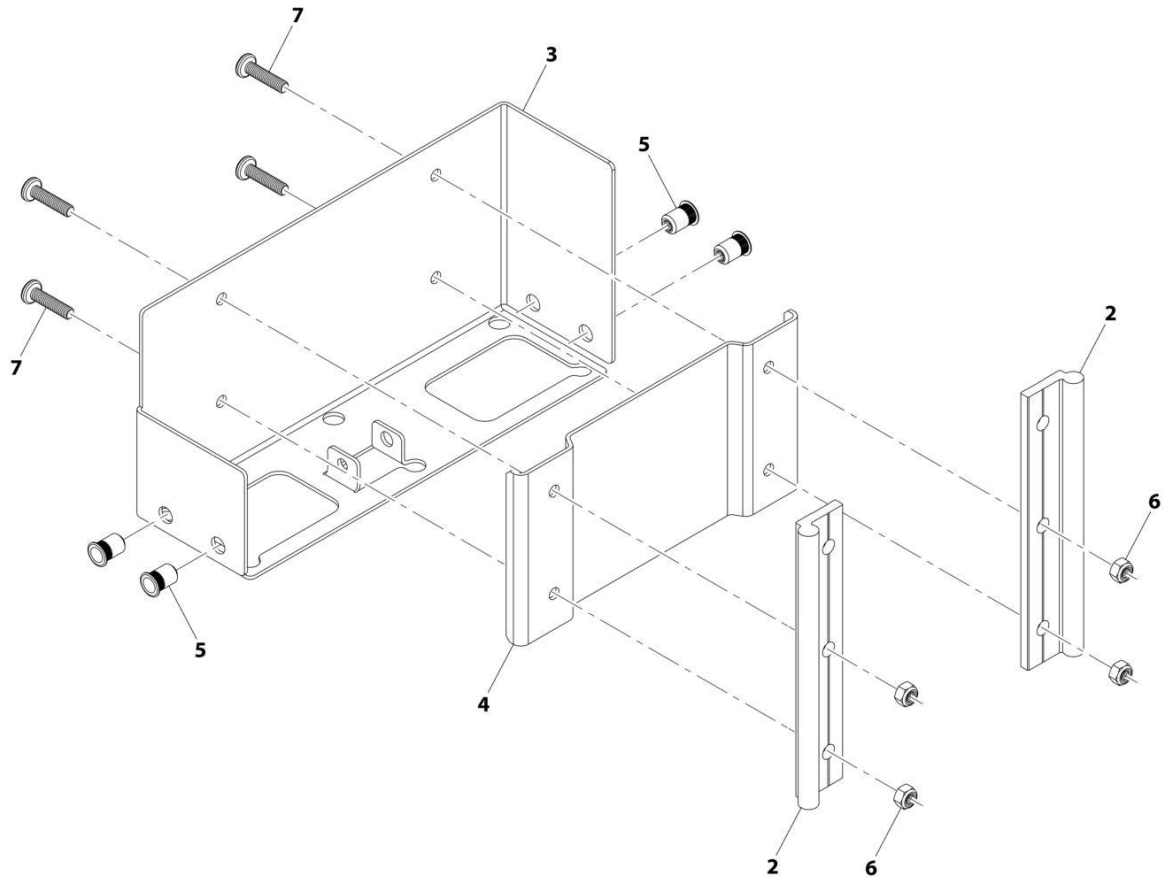


FIGURE 6-56. MOVING ARMREST BRACKET

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

FIGURE 6-57. ROOF WIPER INSTALLATION

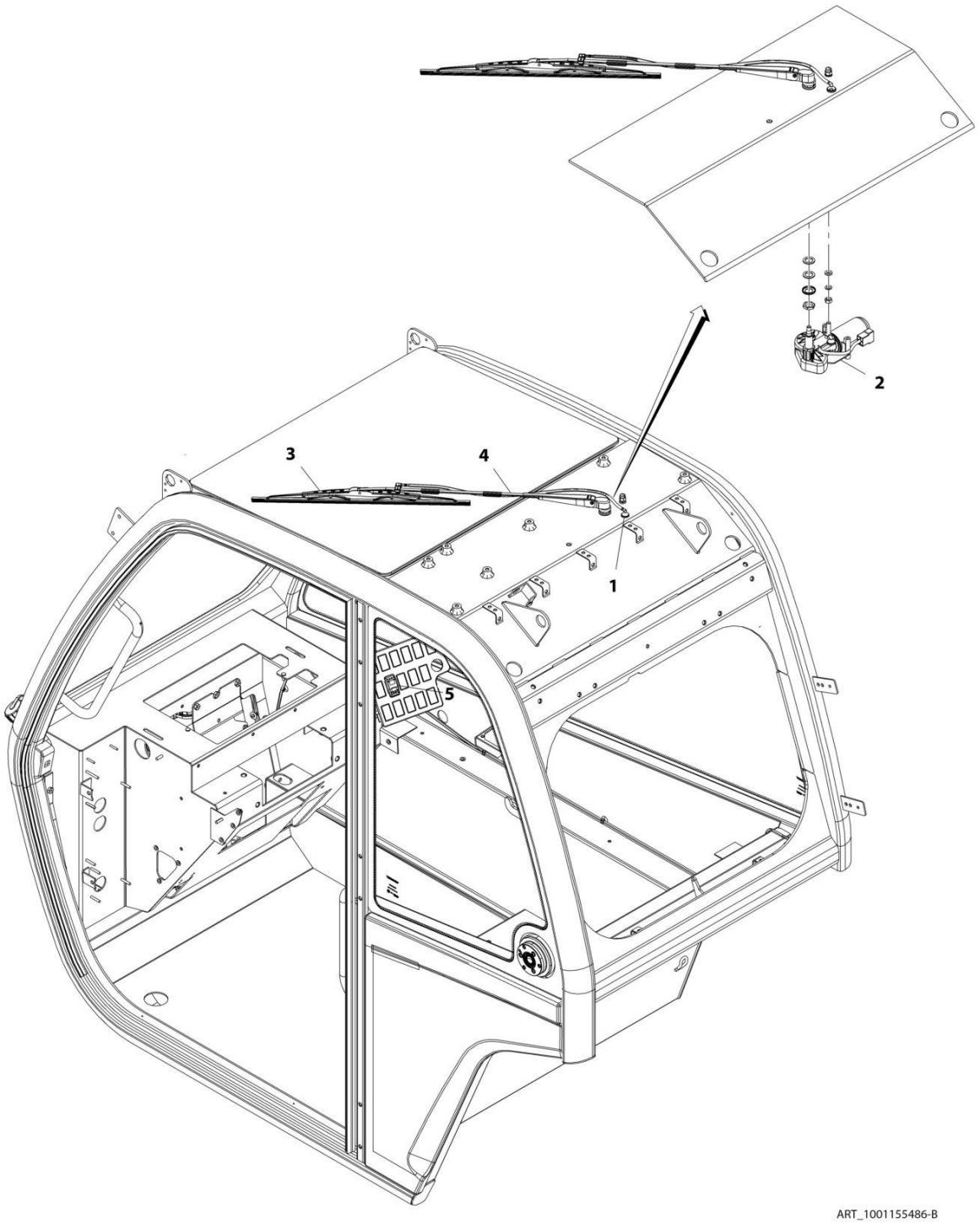


FIGURE 6-57. ROOF WIPER INSTALLATION

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 6-58. ROOF CAP INSTALLATION (NO A/C)

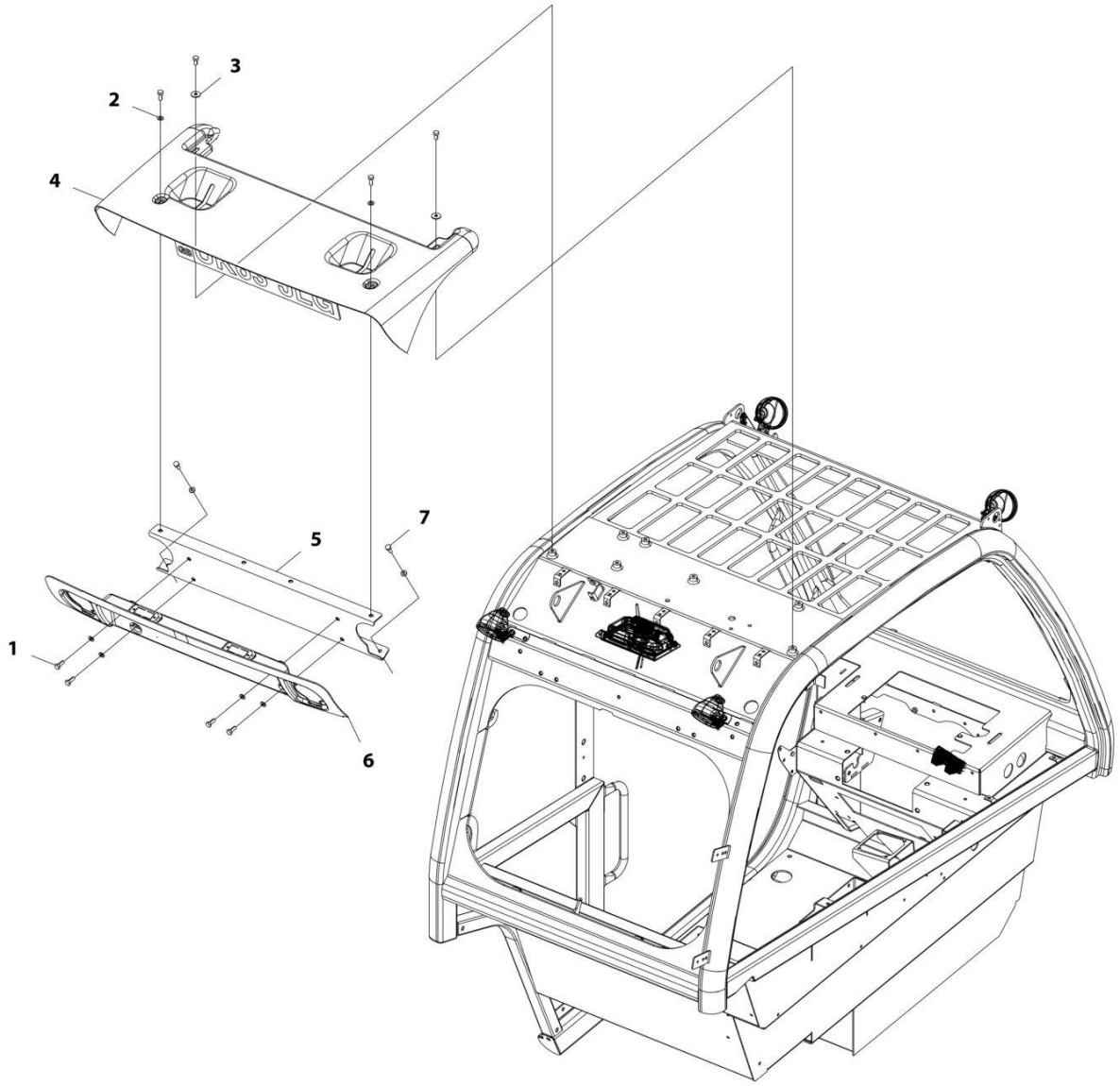


FIGURE 6-58. ROOF CAP INSTALLATION (NO A/C)

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 6-59. ROOF CAP INSTALLATION (A/C)

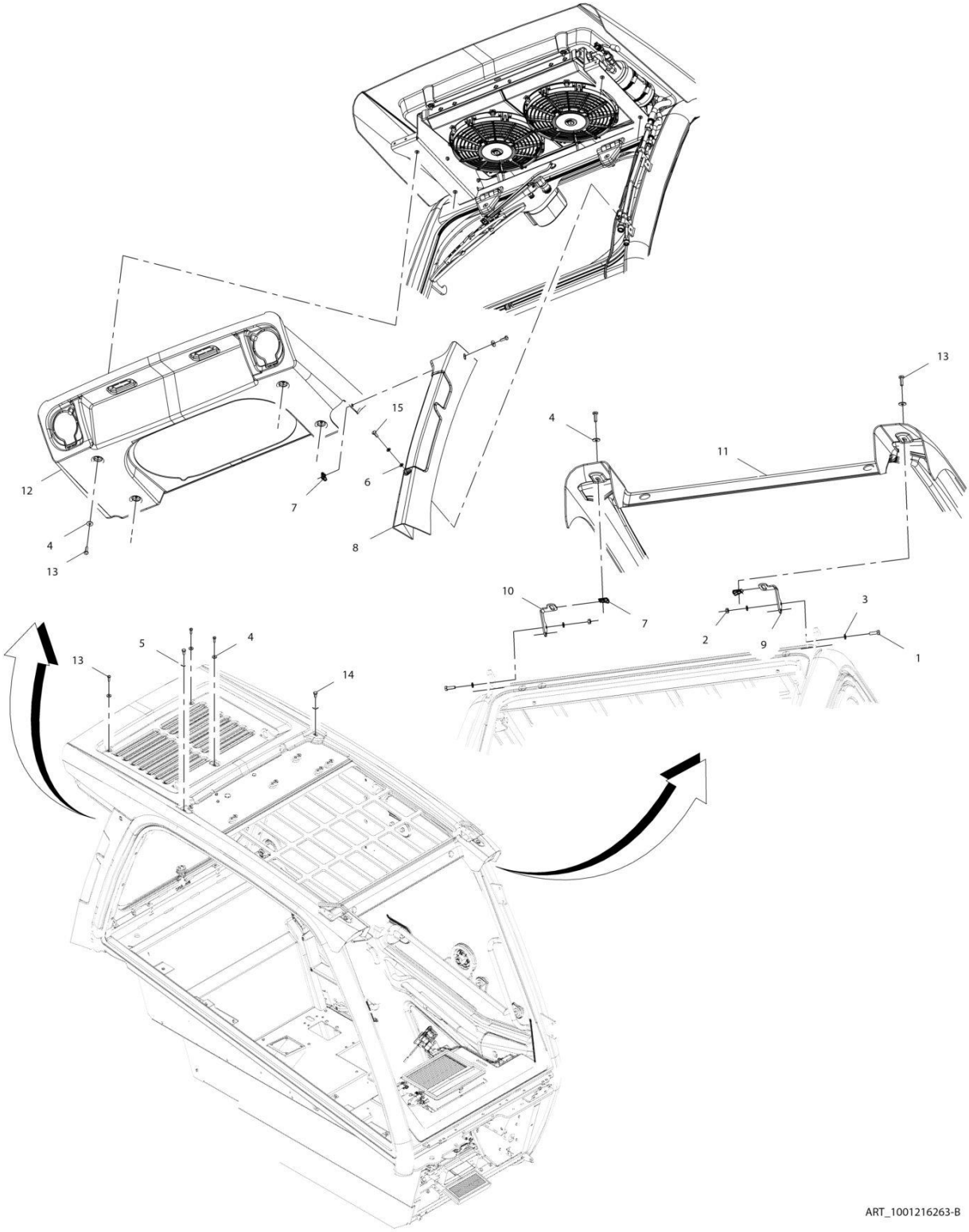


FIGURE 6-59. ROOF CAP INSTALLATION (A/C)

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 6-60. RETRACTABLE SUNSCREEN INSTALLATION

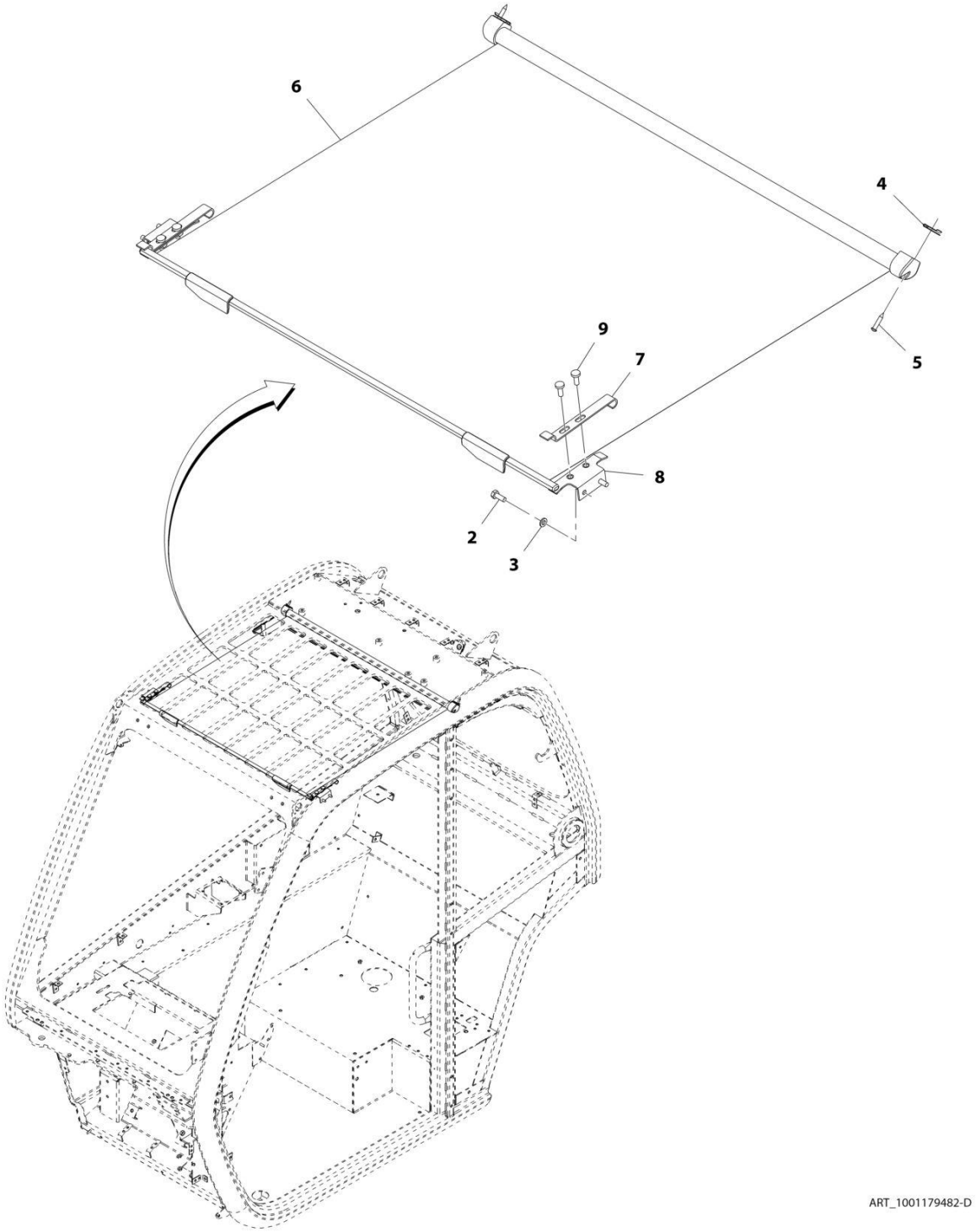
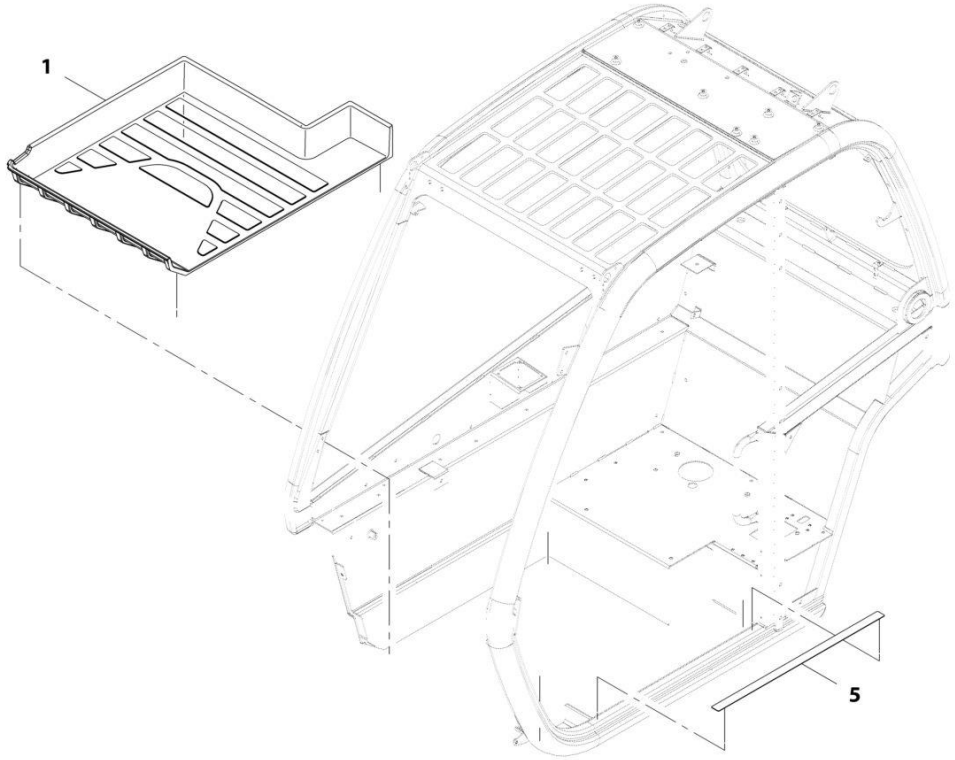


FIGURE 6-60. RETRACTABLE SUNSCREEN INSTALLATION

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 6-61. FLOOR MAT INSTALLATION



ART_1001161080-E

FIGURE 6-61. FLOOR MAT INSTALLATION

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

FIGURE 6-62. ENCLOSED CAB FRONT COVER INSTALLATION

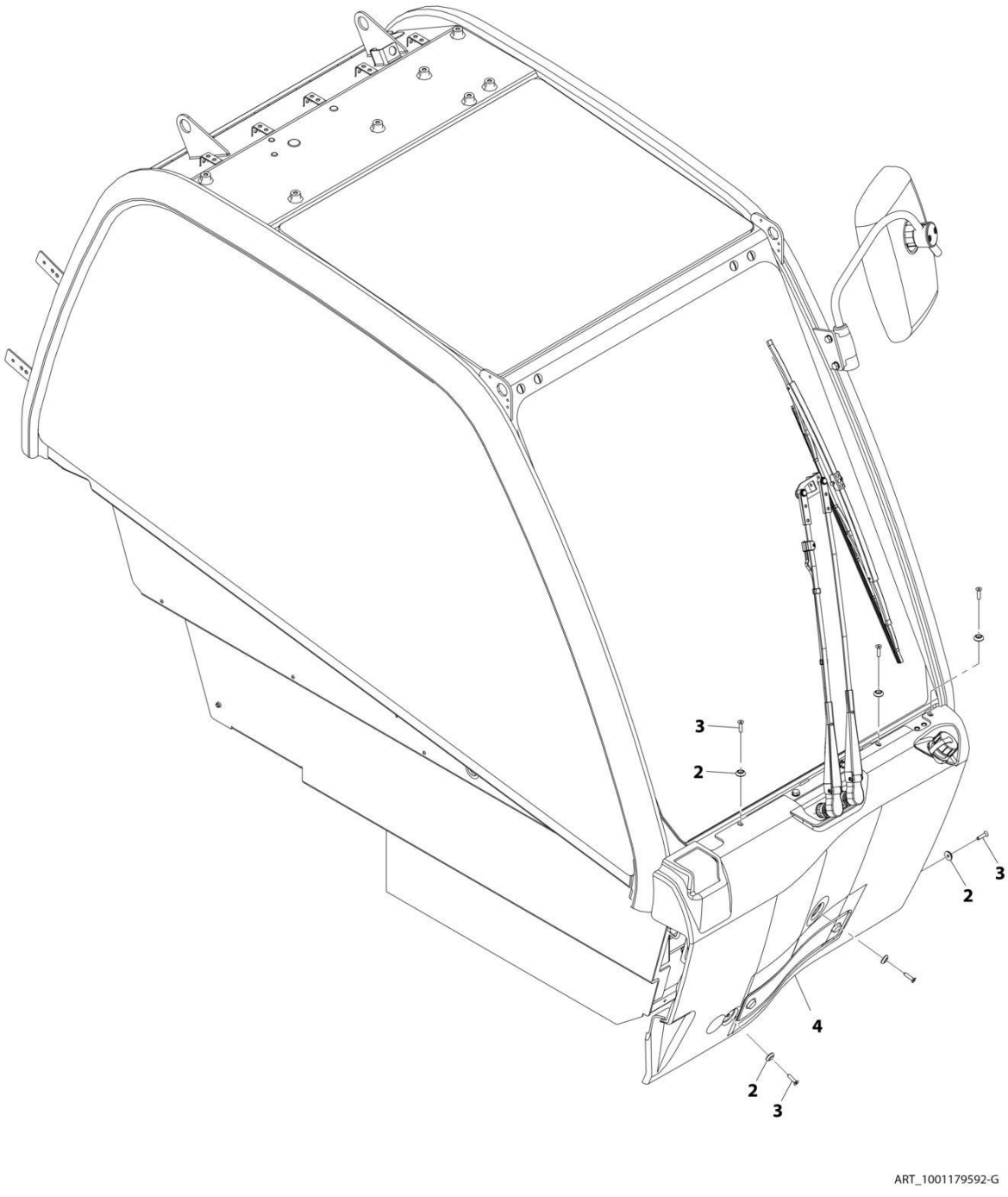


FIGURE 6-62. ENCLOSED CAB FRONT COVER INSTALLATION

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 6-63. CAB GUARD INSTALLATION (TOP)

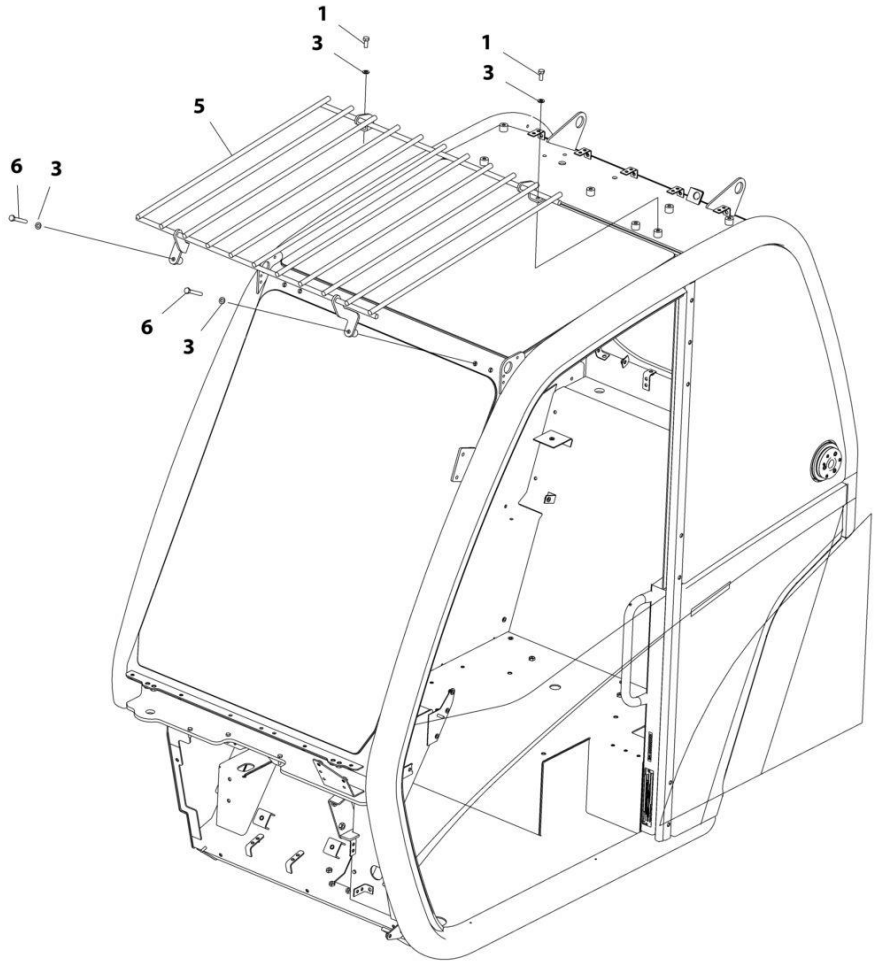


FIGURE 6-63. CAB GUARD INSTALLATION (TOP)

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 6-64. CAB GUARD INSTALLATION (FRONT)

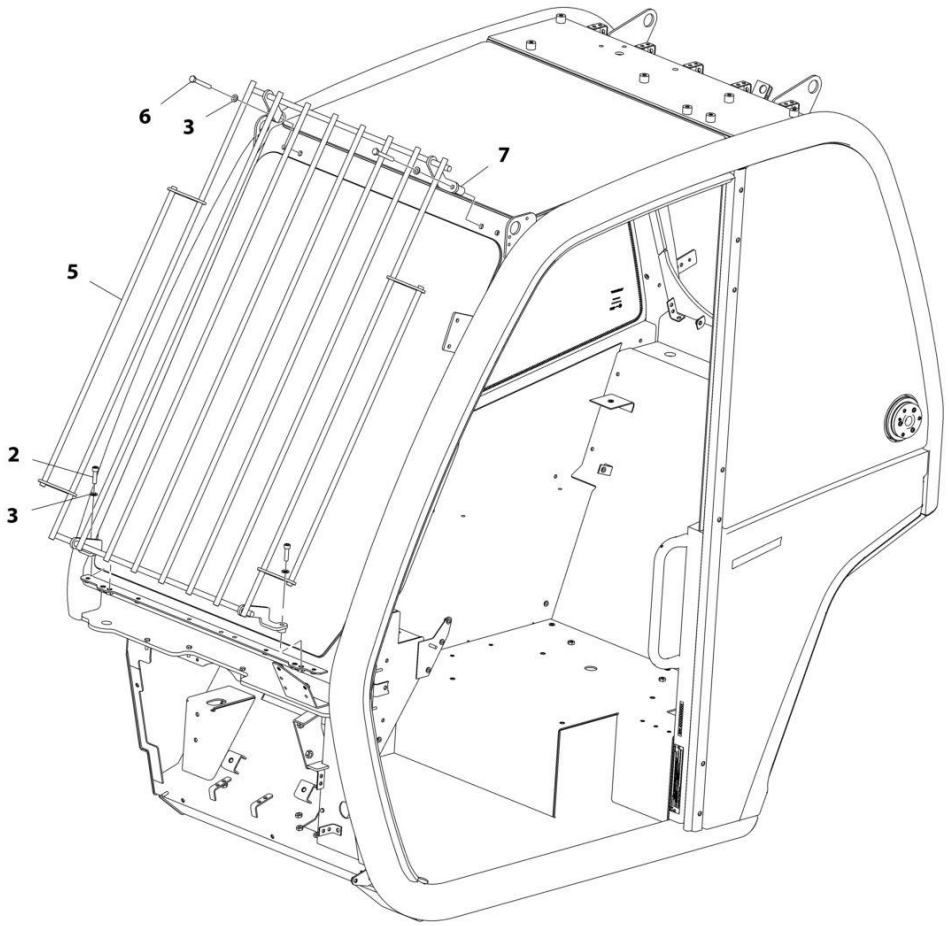


FIGURE 6-64. CAB GUARD INSTALLATION (FRONT)

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 6-65. CAB GUARD INSTALLATION (TOP AND FRONT)

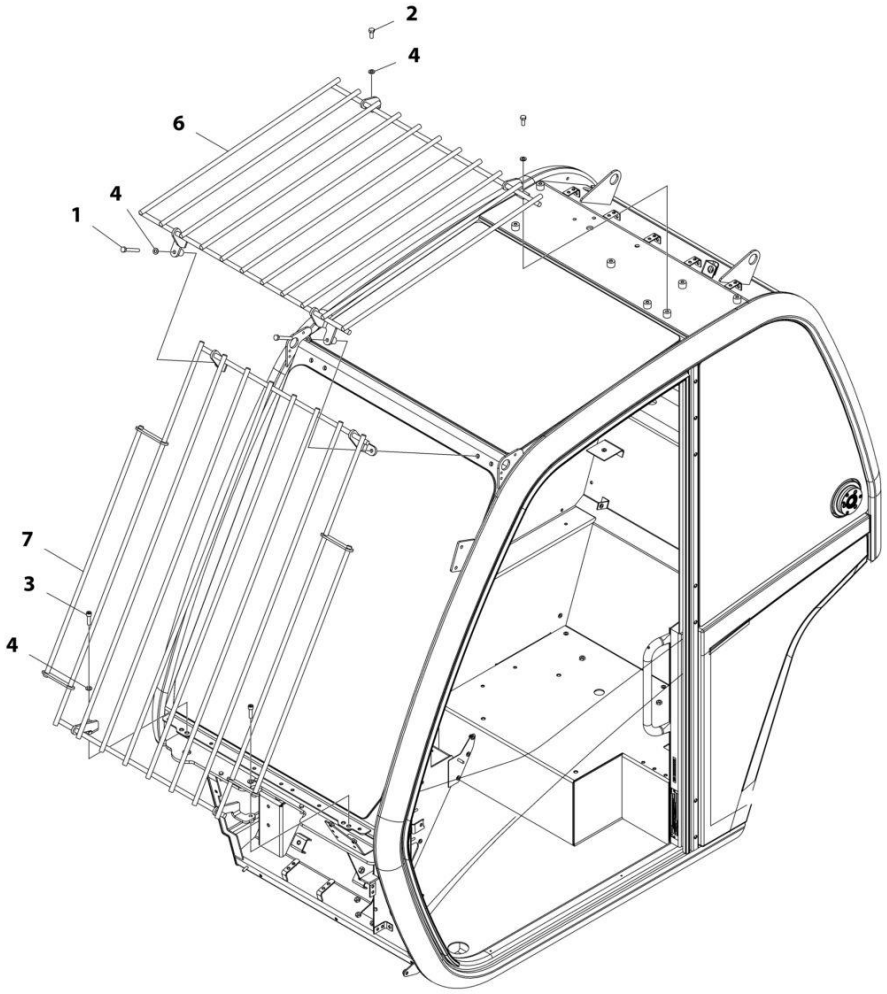


FIGURE 6-65. CAB GUARD INSTALLATION (TOP AND FRONT)

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 6-66. FIRE EXTINGUISHER INSTALLATION

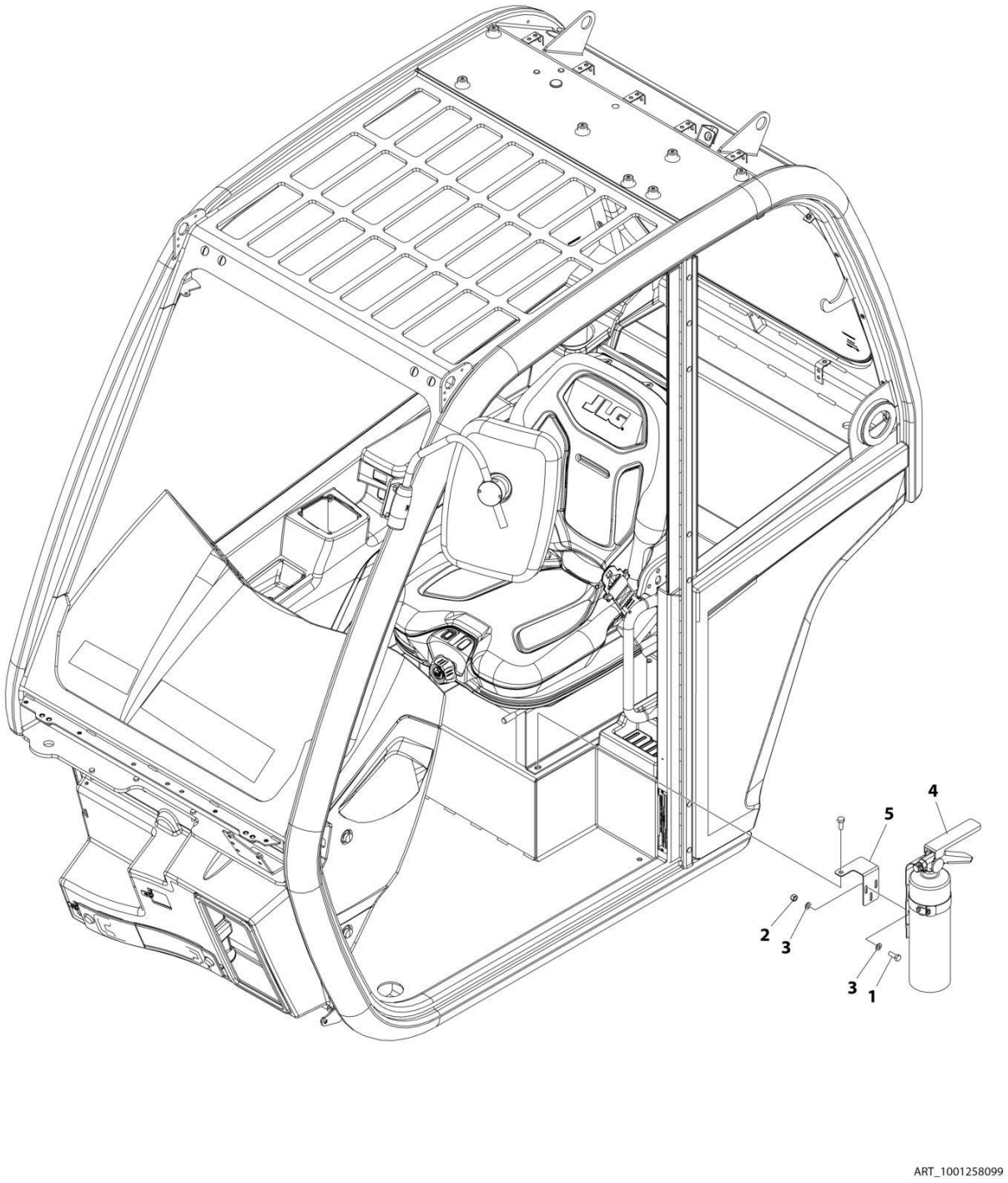


FIGURE 6-66. FIRE EXTINGUISHER INSTALLATION

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	

SECTION 7 - CONTROLS

FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION

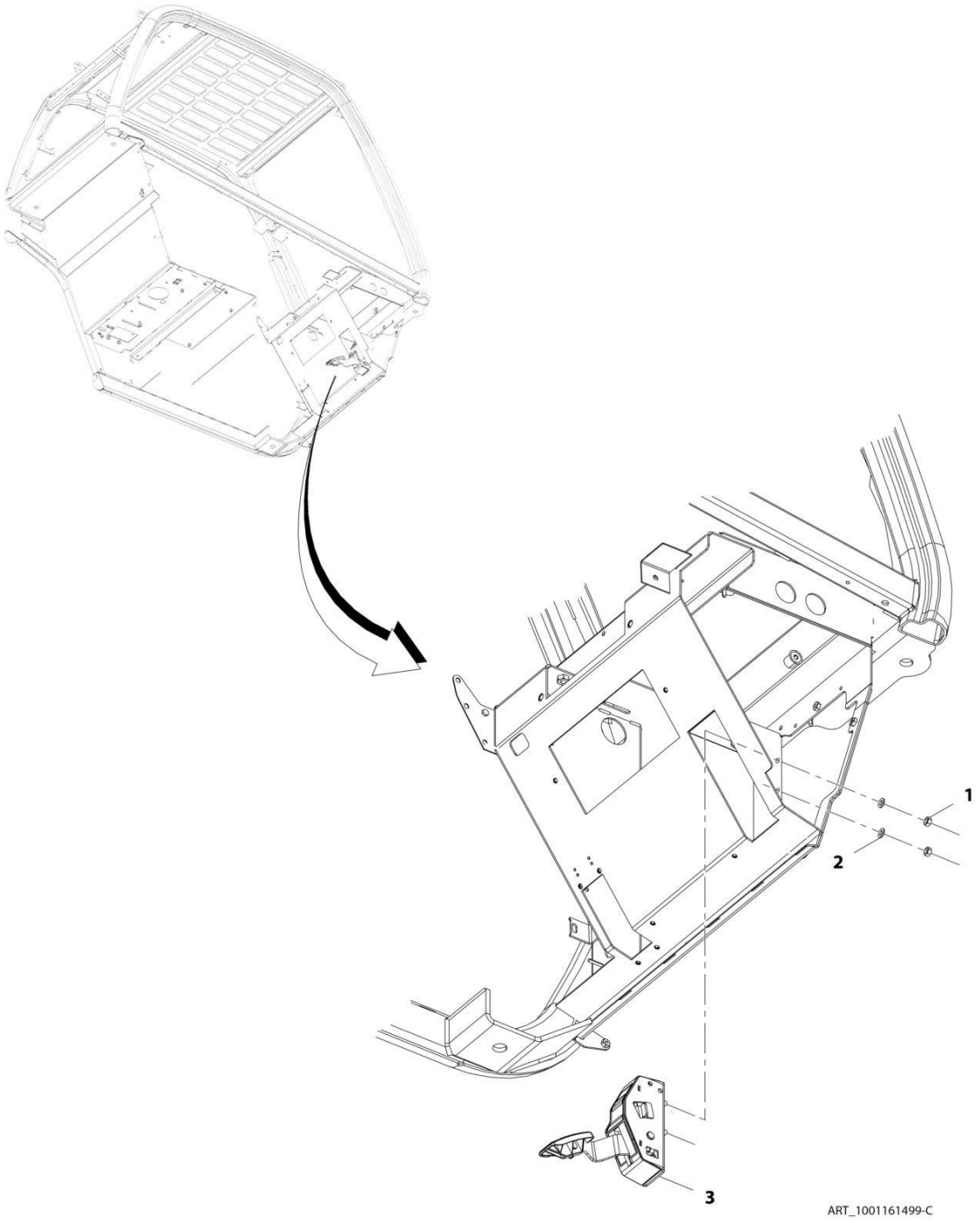


FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION

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

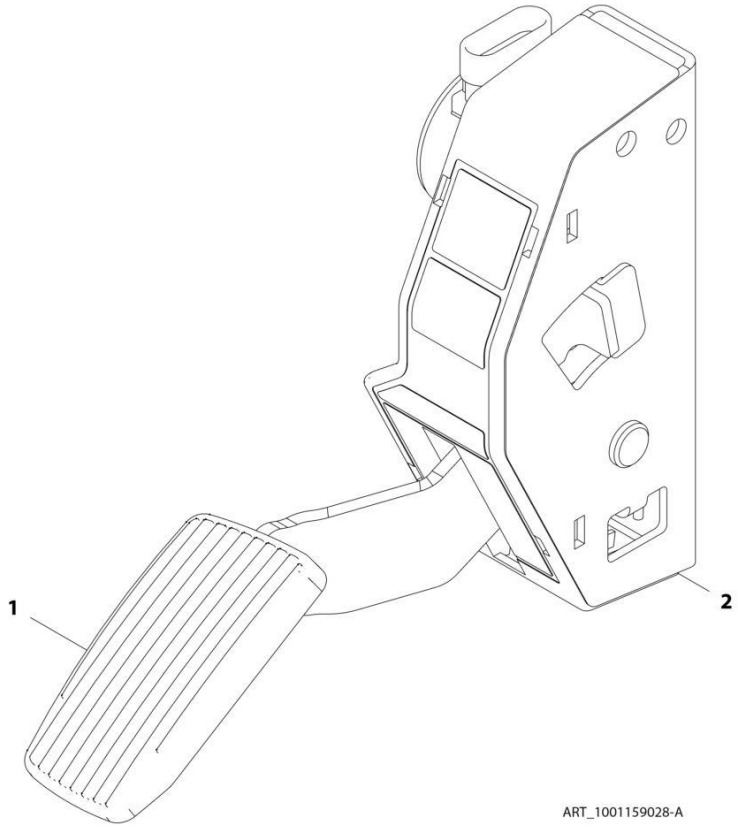


FIGURE 7-2. ACCELERATOR PEDAL

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

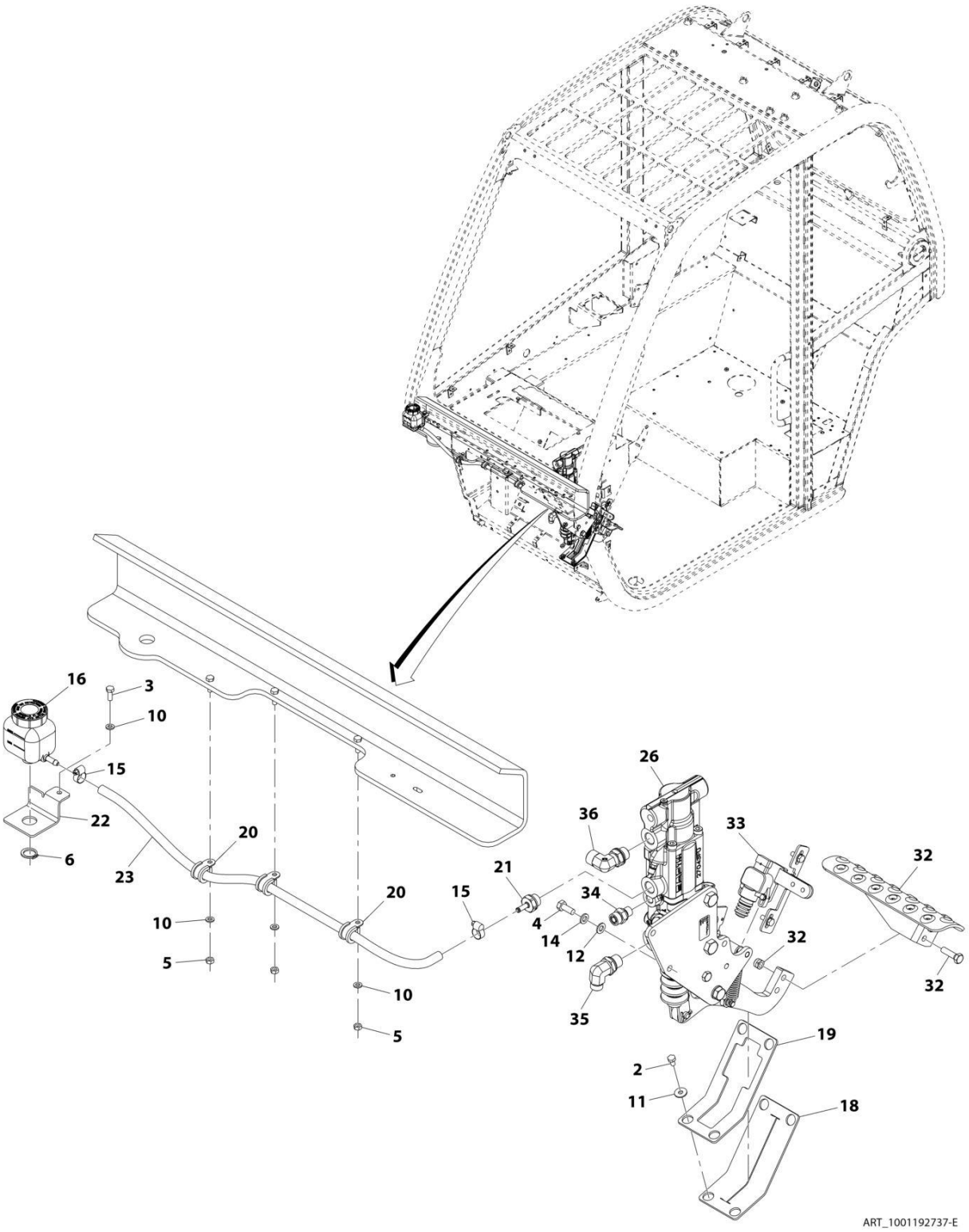


FIGURE 7-3. BRAKE PEDAL INSTALLATION

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

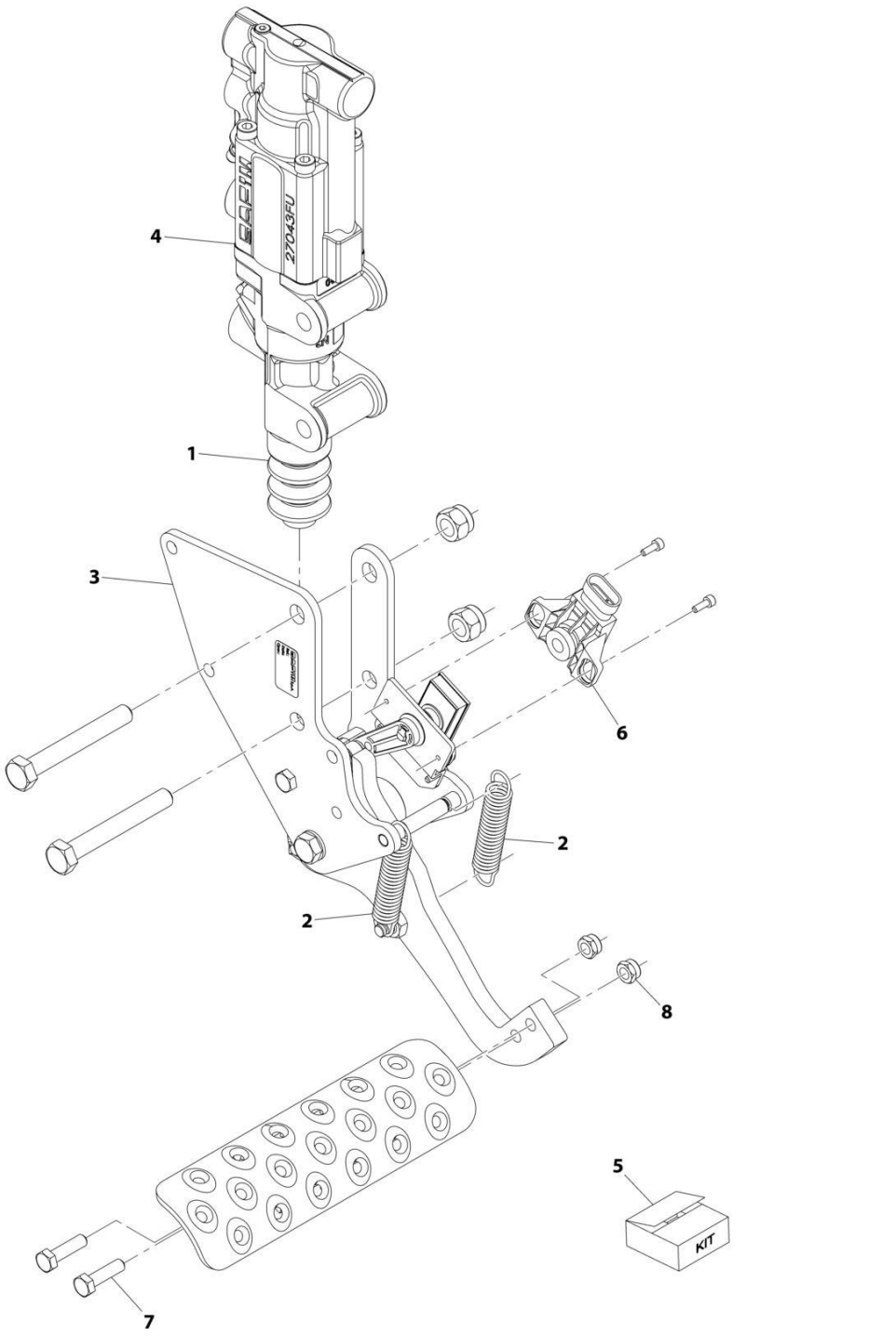


FIGURE 7-4. BRAKE PEDAL ASSEMBLY

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

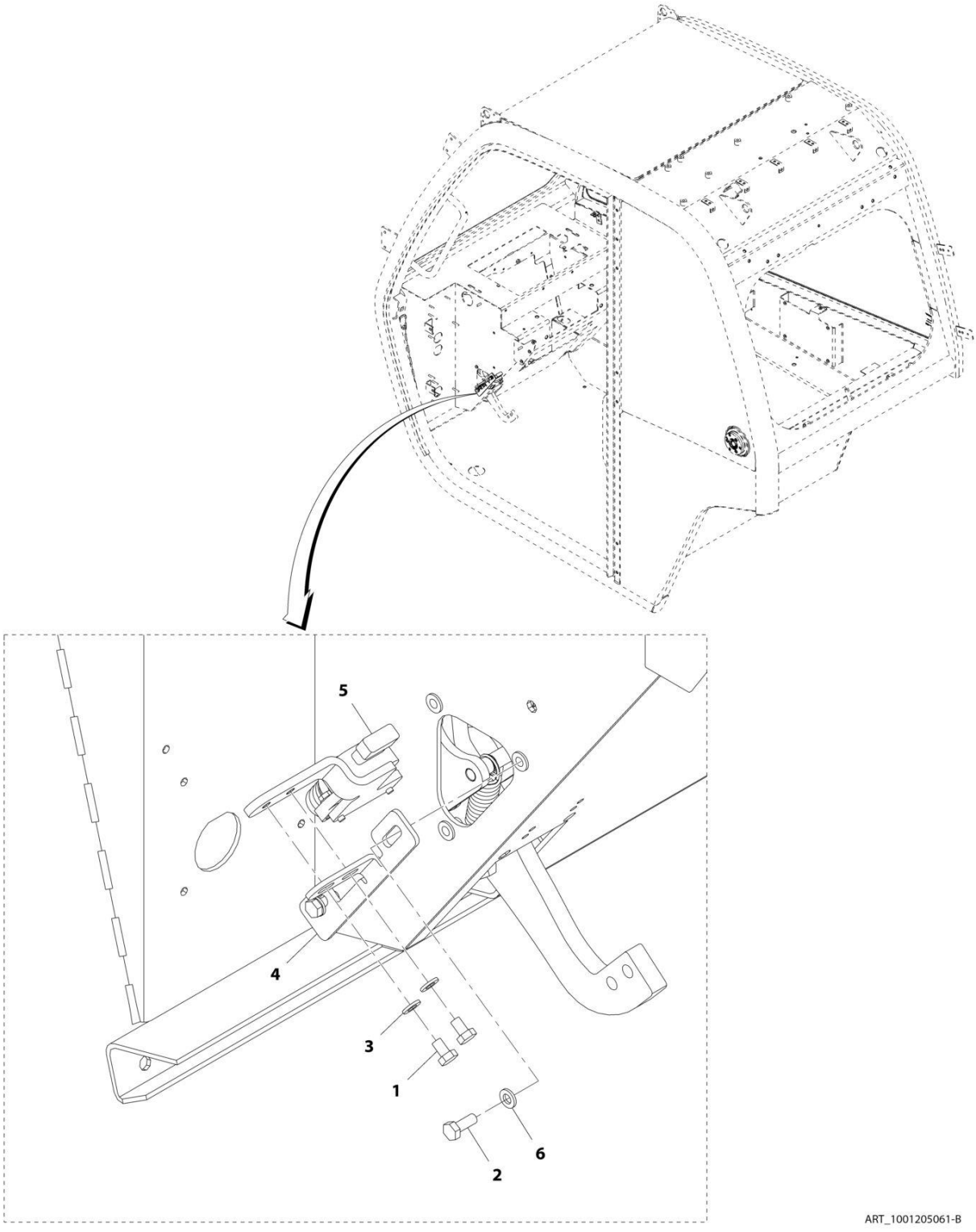
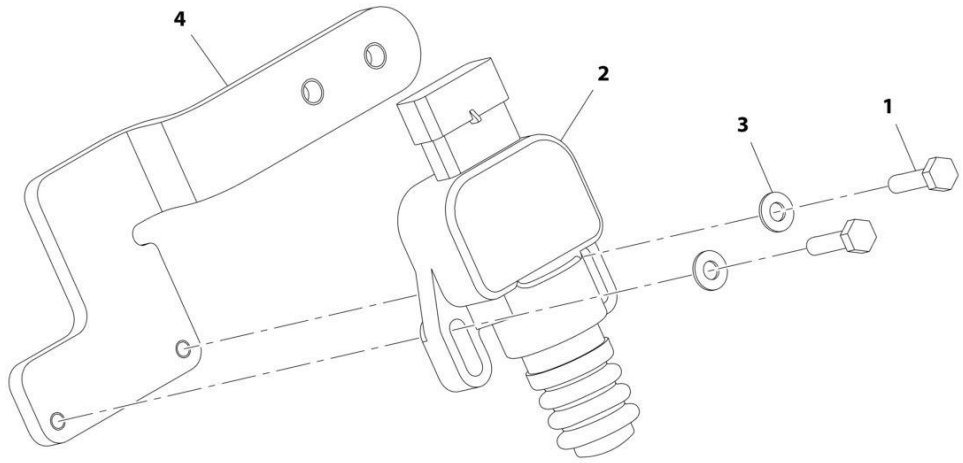


FIGURE 7-5. BRAKE SENSOR INSTALLATION

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. PARK BRAKE INSTALLATION

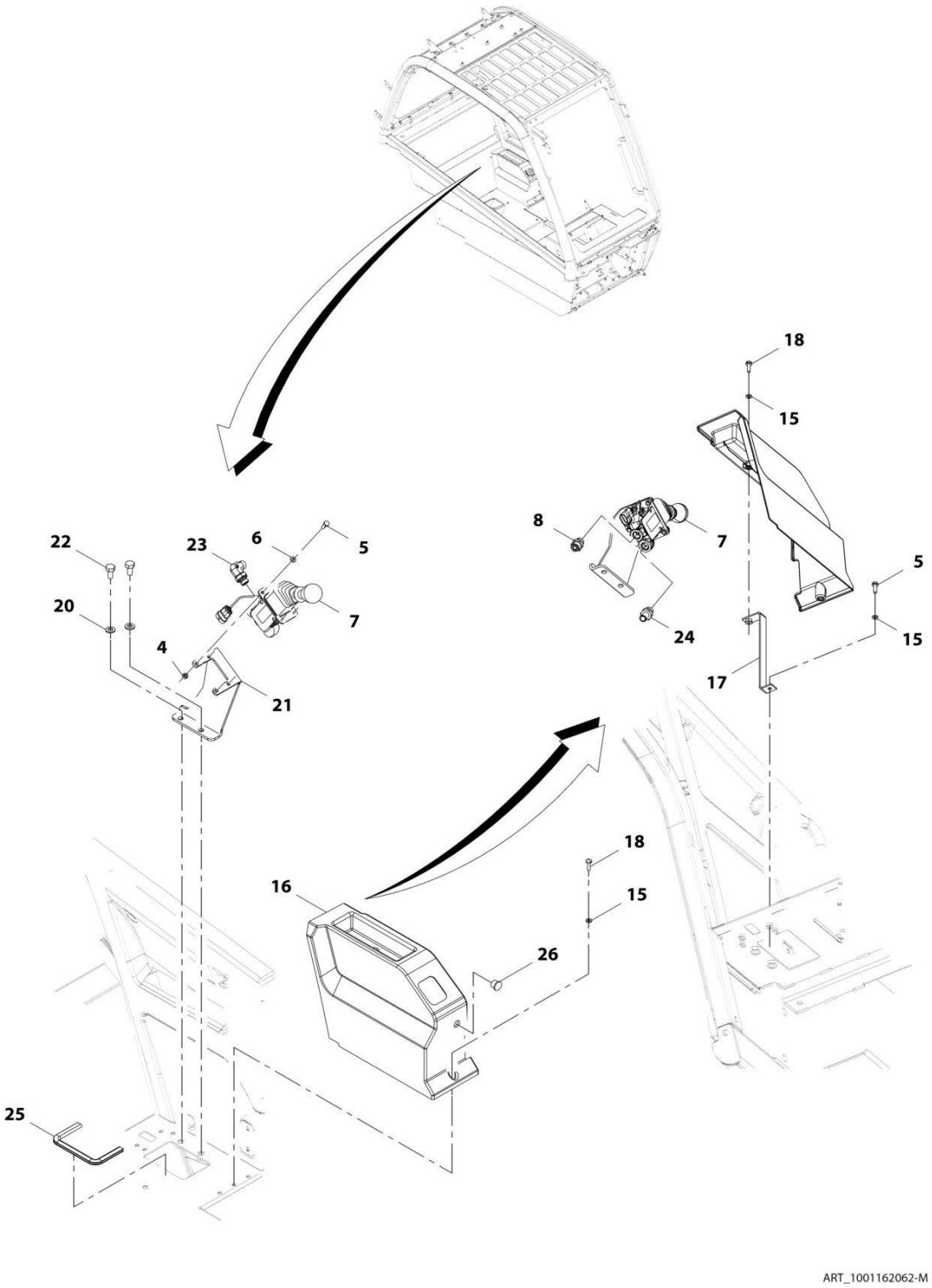


FIGURE 7-7. PARK BRAKE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162062	Ref	Park Brake Installation	M
4	3290601	4	Nut, M6X1	
5	0760608	5	Bolt, M6X16	
6	4831700	4	Washer, Lock M6	
7	1001207956	1	Hydraulic Hand Brake	
7	70020922	1	Kit, Seal	
8	1001101702	1	Fitting, Straight ORFS	
15	4811700	3	Washer, M6	
16	1001193474	1	Panel	
17	1001195254	1	Bracket	
18	4010610002	2	Screw, M6X20	
20	4812000	2	Washer, M10	
21	1001191915	1	Bracket	
22	0761010	2	Bolt, M10X20	
23	1001125222	1	Fitting, 90 ORFS	
24	1001206744	1	Fitting, Grease	
25	1001208037	1	Seal	
26	3520028	1	Plug	

FIGURE 7-8. TILT STEERING COLUMN INSTALLATION

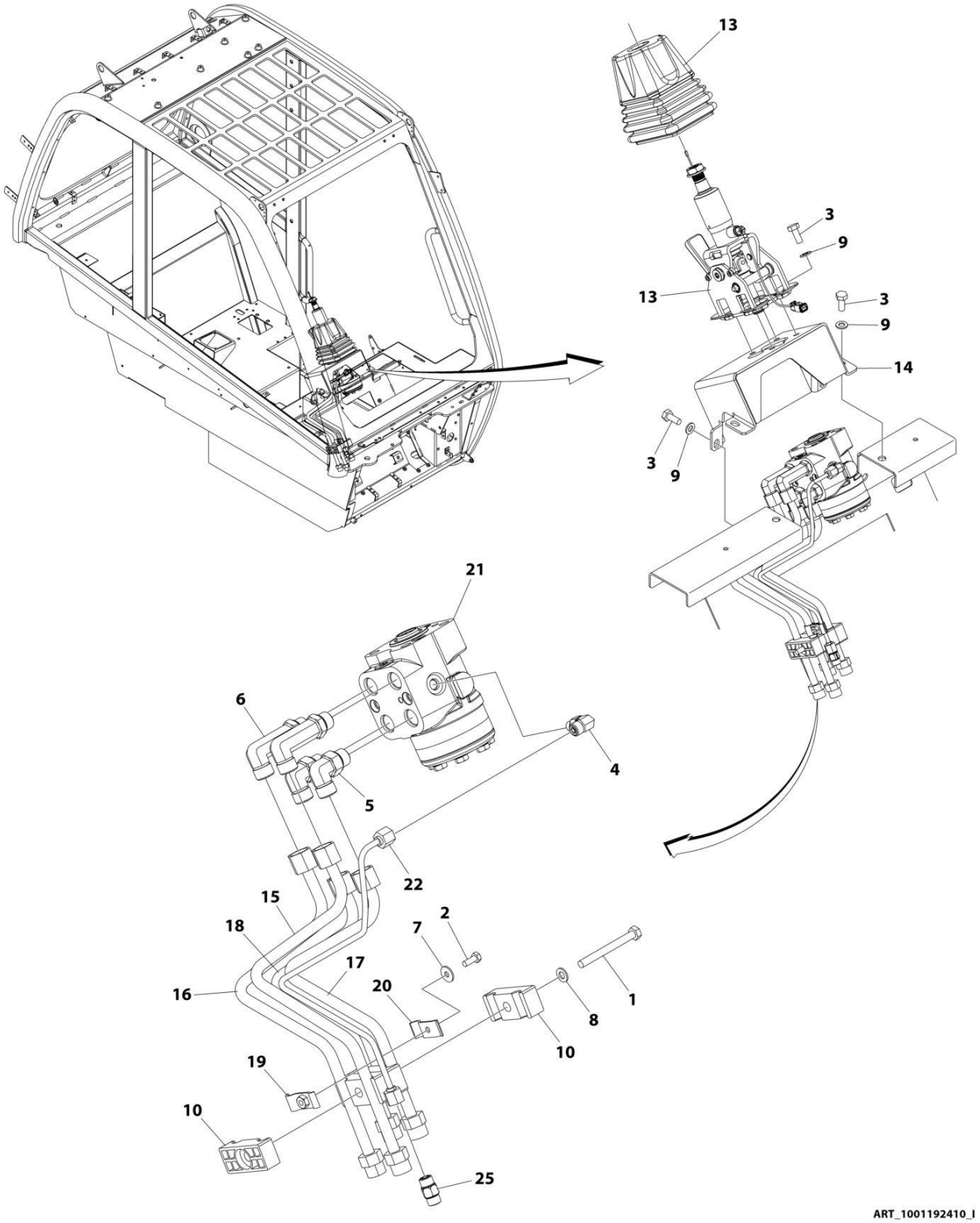
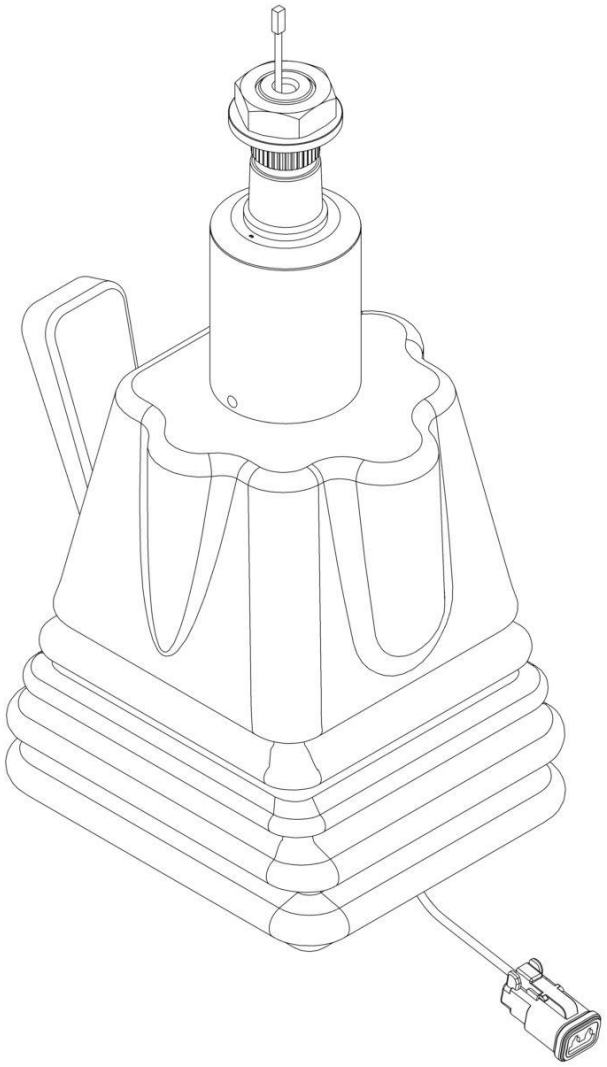


FIGURE 7-8. TILT STEERING COLUMN INSTALLATION

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 7-9. TILT STEERING COLUMN



ART_1001257330

FIGURE 7-9. 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 7-10. COLUMN SHIFT INSTALLATION (2 SPEED)

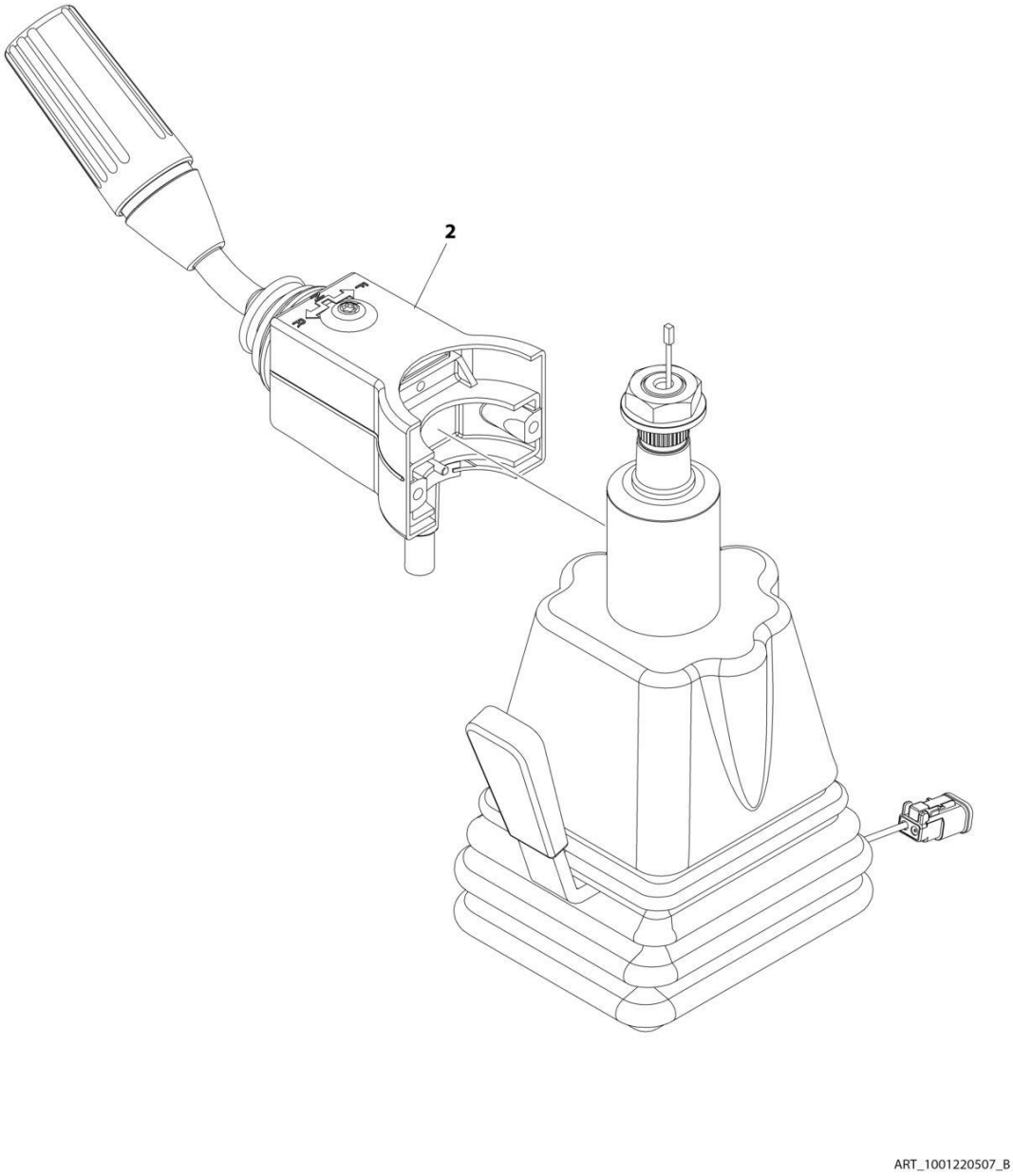


FIGURE 7-10. COLUMN SHIFT INSTALLATION (2 SPEED)

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

FIGURE 7-11. COLUMN SHIFT INSTALLATION (0 SPEED)

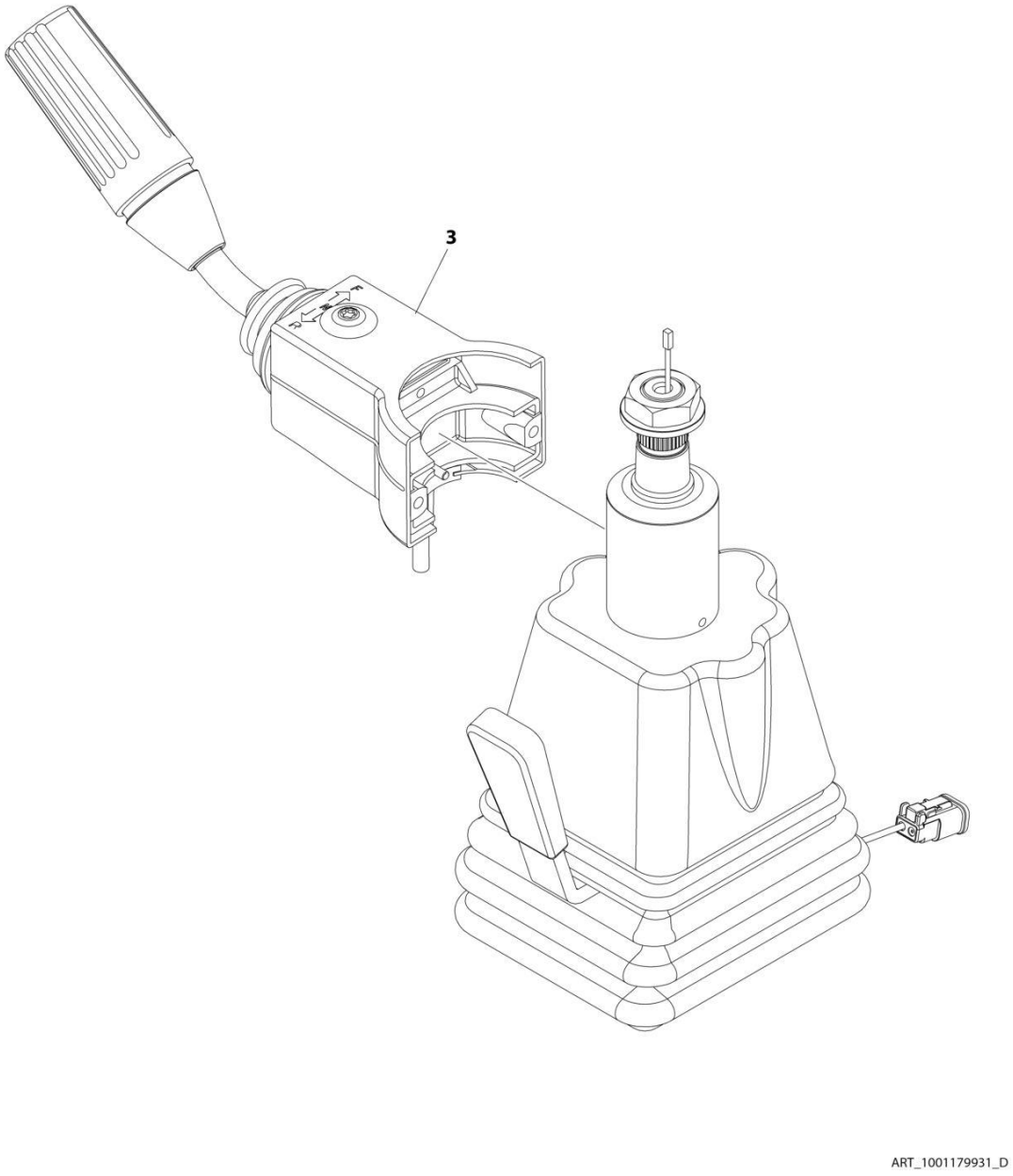


FIGURE 7-11. COLUMN SHIFT INSTALLATION (0 SPEED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179931	Ref	Column Shift Installation (0 Speed)	D
3	1001257348	1	Lever, FNR (0 Speed)	

FIGURE 7-12. STEERING WHEEL INSTALLATION

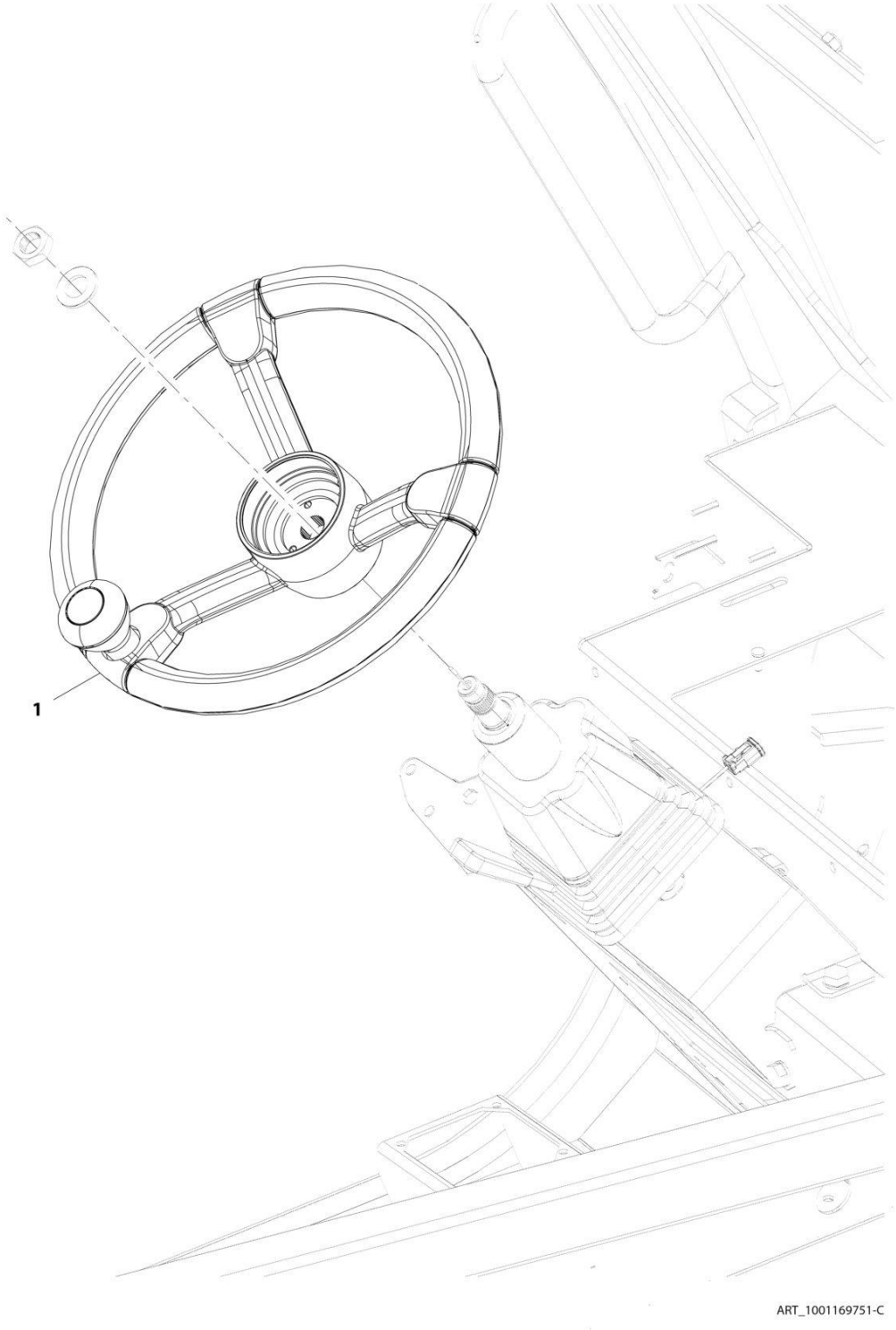
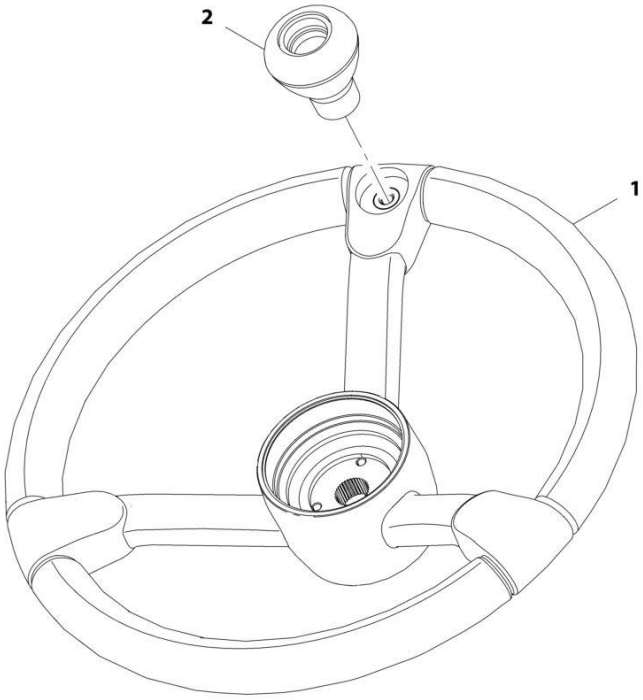


FIGURE 7-12. STEERING WHEEL INSTALLATION

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

FIGURE 7-13. STEERING WHEEL

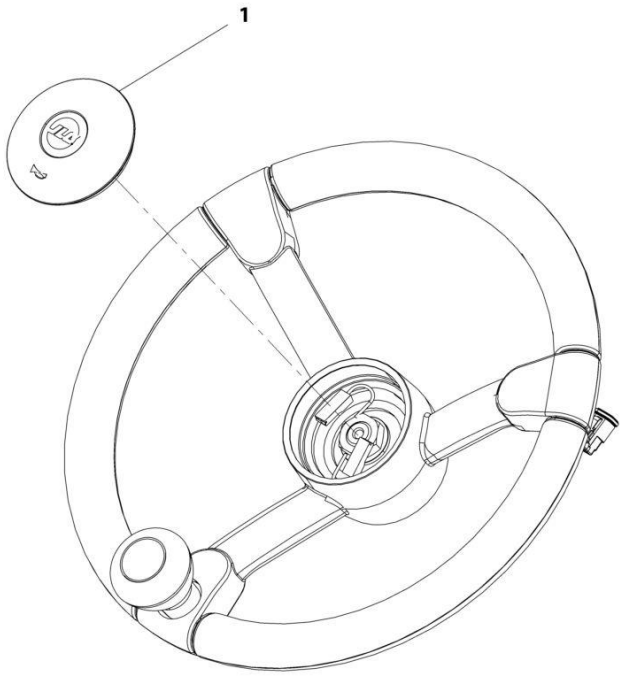


ART_1001169354-D

FIGURE 7-13. STEERING WHEEL

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

FIGURE 7-14. HORN BUTTON INSTALLATION



ART_1001169763-A

FIGURE 7-14. HORN BUTTON INSTALLATION

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

FIGURE 7-15. JOYSTICK INSTALLATION (2 SPEED)

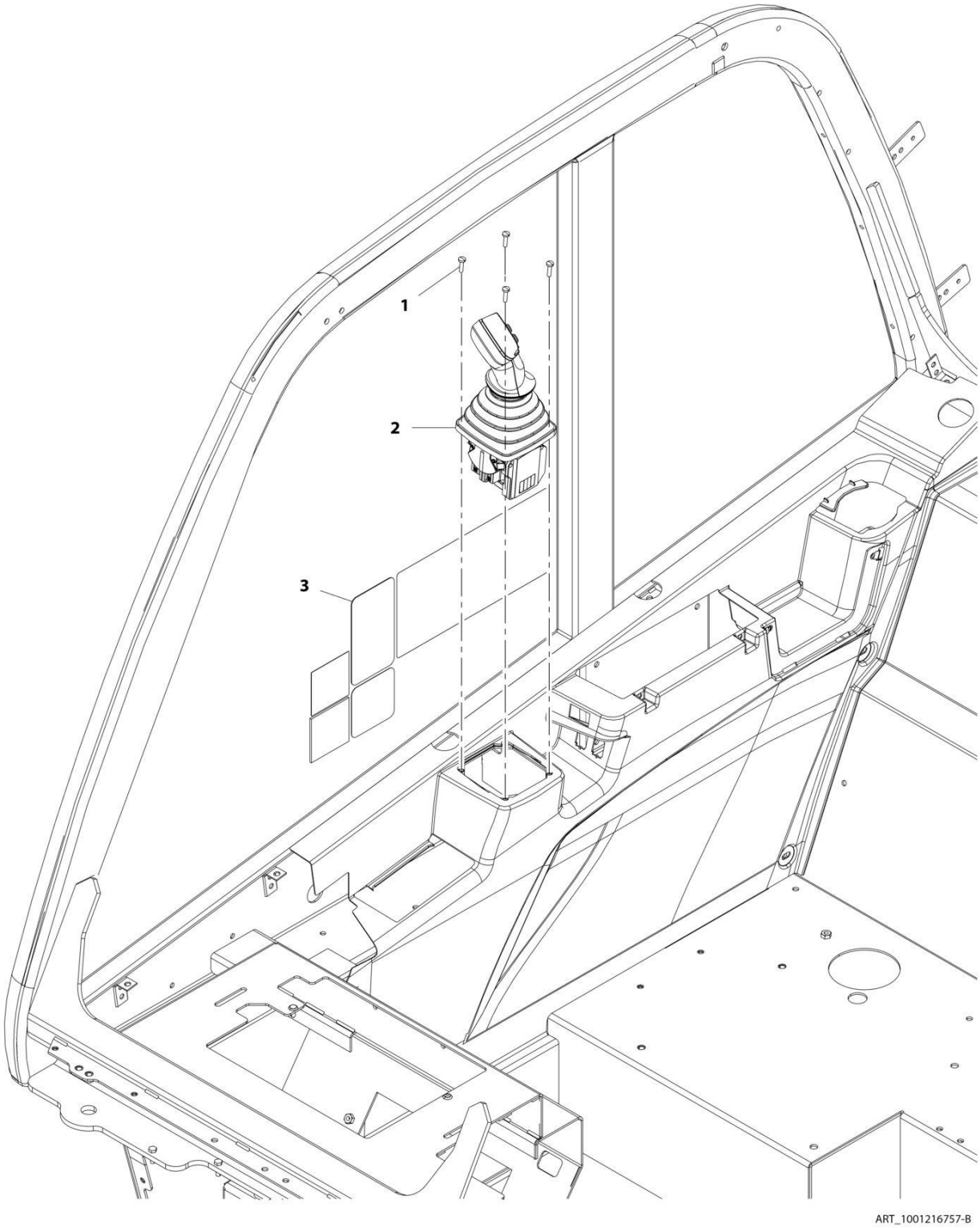


FIGURE 7-15. JOYSTICK INSTALLATION (2 SPEED)

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 7-16. JOYSTICK INSTALLATION

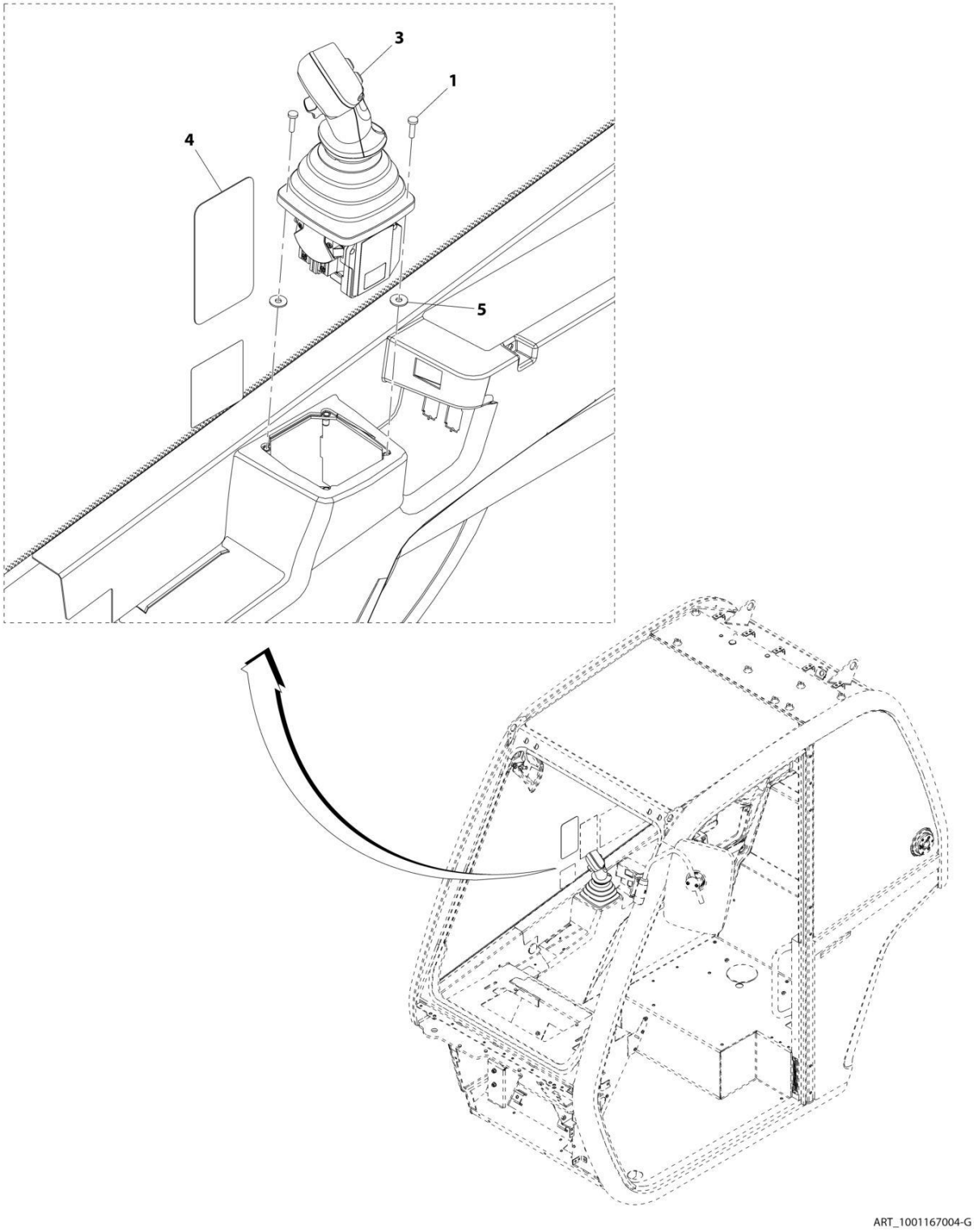
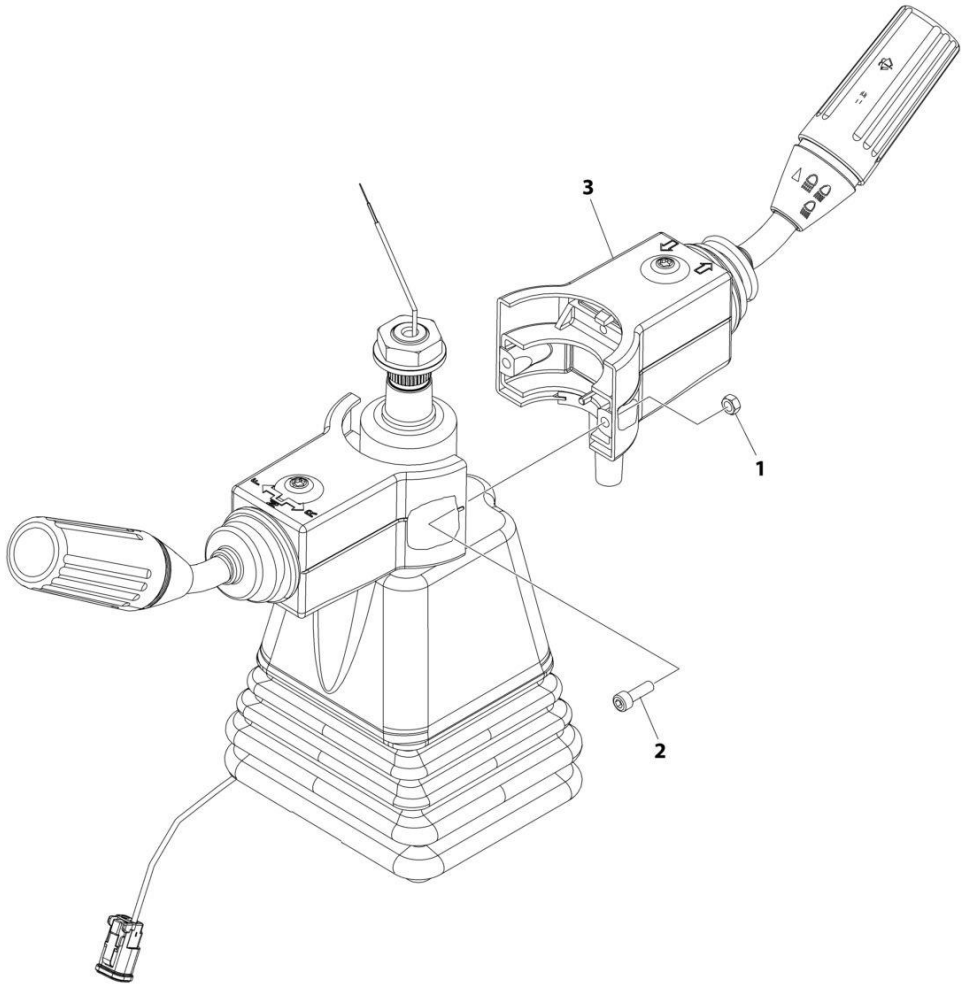


FIGURE 7-16. JOYSTICK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167004	Ref	Joystick Installation	G
1	4010510	4	Screw, M5X20	
3	1001222603	1	Joystick	
4	1001241950	1	Decal, Joystick	
5	4811702001	AR	Washer, M6	

FIGURE 7-17. WIPER-TURN SWITCH INSTALLATION



ART_1001257071

FIGURE 7-17. WIPER-TURN SWITCH INSTALLATION

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

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. MAIN HYDRAULIC INSTALLATION

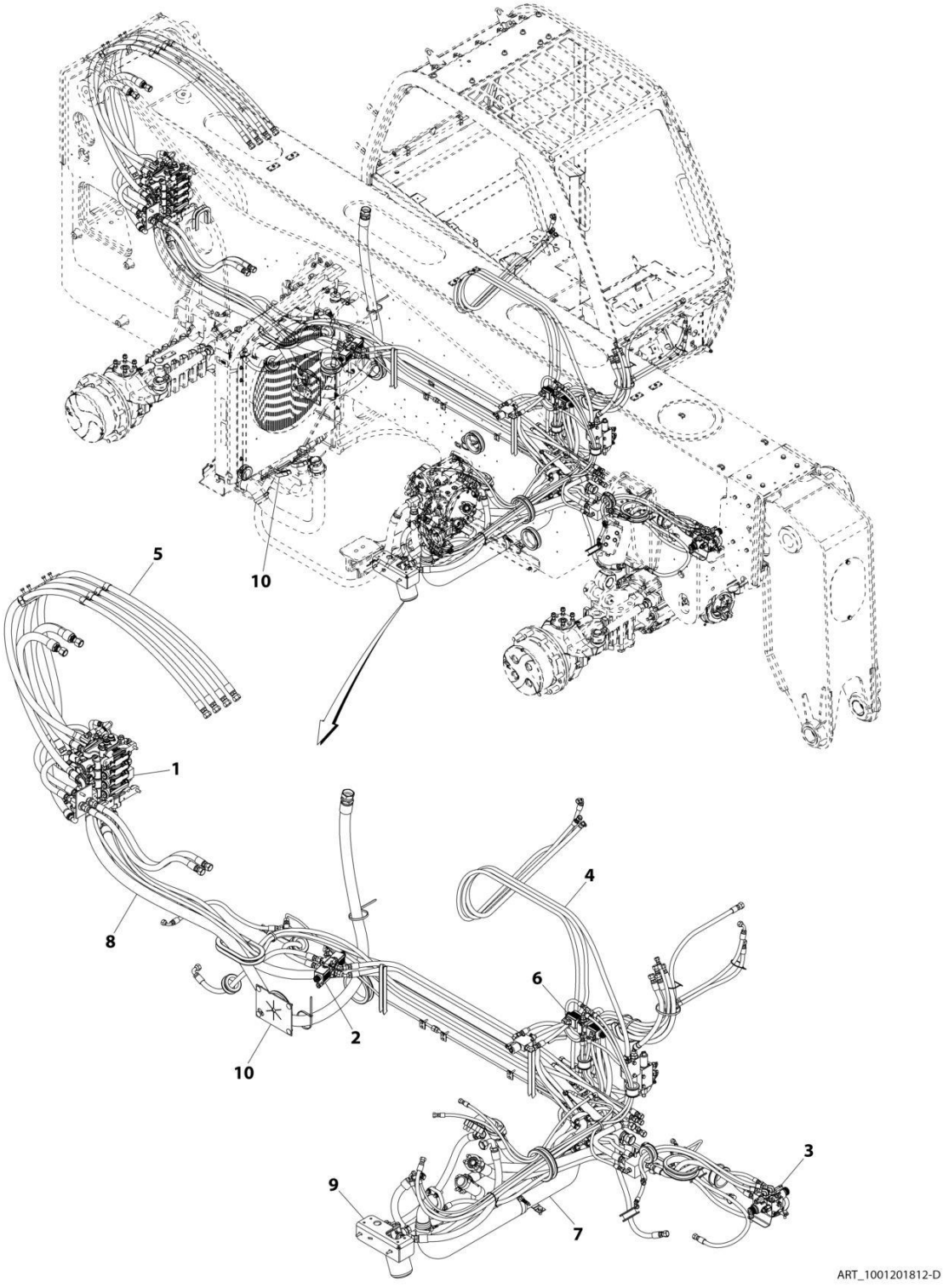


FIGURE 8-1. MAIN HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201812	Ref	Main Hydraulic Installation	D
1	1001192889	Ref	Installation, Main Control Valve (See Separate Breakdown in this Section)	
2	1001193516	Ref	Installation, Steering Select Valve (See Separate Breakdown in this Section)	
3	1001193517	Ref	Installation, Frame Level Valve (See Separate Breakdown in this Section)	
4	1001193709	Ref	Installation, Cab Hydraulics (See Separate Breakdown in this Section)	
5	1001211606	Ref	Installation, Boom Lines (See Separate Breakdown in this Section)	
6	1001197196	Ref	Installation, Speed Control Valve (See Separate Breakdown in this Section)	
7	1001202024	Ref	Installation, Engine Bay Hydraulic (See Separate Breakdown in this Section)	
8	1001202025	Ref	Installation, Frame Hydraulics (See Separate Breakdown in this Section)	
9	1001202026	Ref	Installation, Charge Filter Lines	
10	1001213026	Ref	Installation, Grommets (See Separate Breakdown in FRAME AND ATTACHING PARTS Section)	

FIGURE 8-2. BOOM HYDRAULIC LINES INSTALLATION

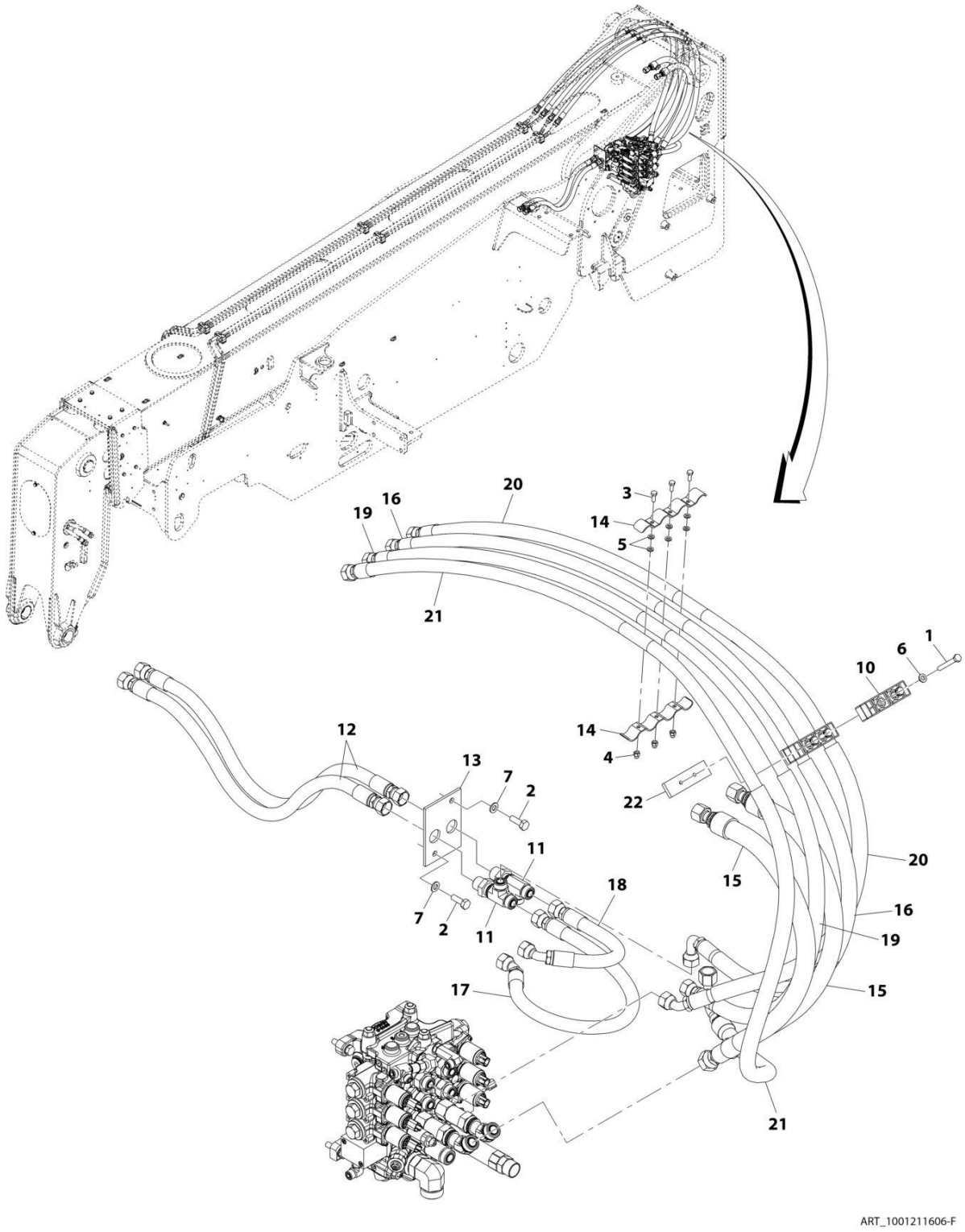


FIGURE 8-2. BOOM HYDRAULIC LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211606	Ref	Boom Hydraulic Line Installation	F
1	0700821	4	Bolt, M8X65	
2	0701014	2	Bolt, M10X30	
3	0760608	3	Bolt, M6X16	
4	3290606	3	Nut, M6X1 Grade 8	
5	4811700	6	Washer, M6	
6	4811900	4	Washer, M8	
7	4812000	2	Washer, M10	
10	1001098128	2	Clamp, Triple	
11	1001192096	2	Fitting, Tee ORFS	
12	1001210525	2	Hose, M16 ORFS	
13	1001197011	1	Plate	
14	1001205618	2	Clamp, Hoses	
15	1001220473	2	Hose, M19 ORFS	
16	1001210524	1	Hose, M16 ORFS	
17	1001209418	1	Hose, M16 ORFS	
18	1001209419	1	Hose, M16 ORFS	
19	1001210526	1	Hose, M16 ORFS	
20	1001215859	1	Hose, M16 ORFS	
21	1001215860	1	Hose, M16 ORFS	
22	1001226557	2	Plate	

FIGURE 8-3. BOOM HYDRAULIC INSTALLATION

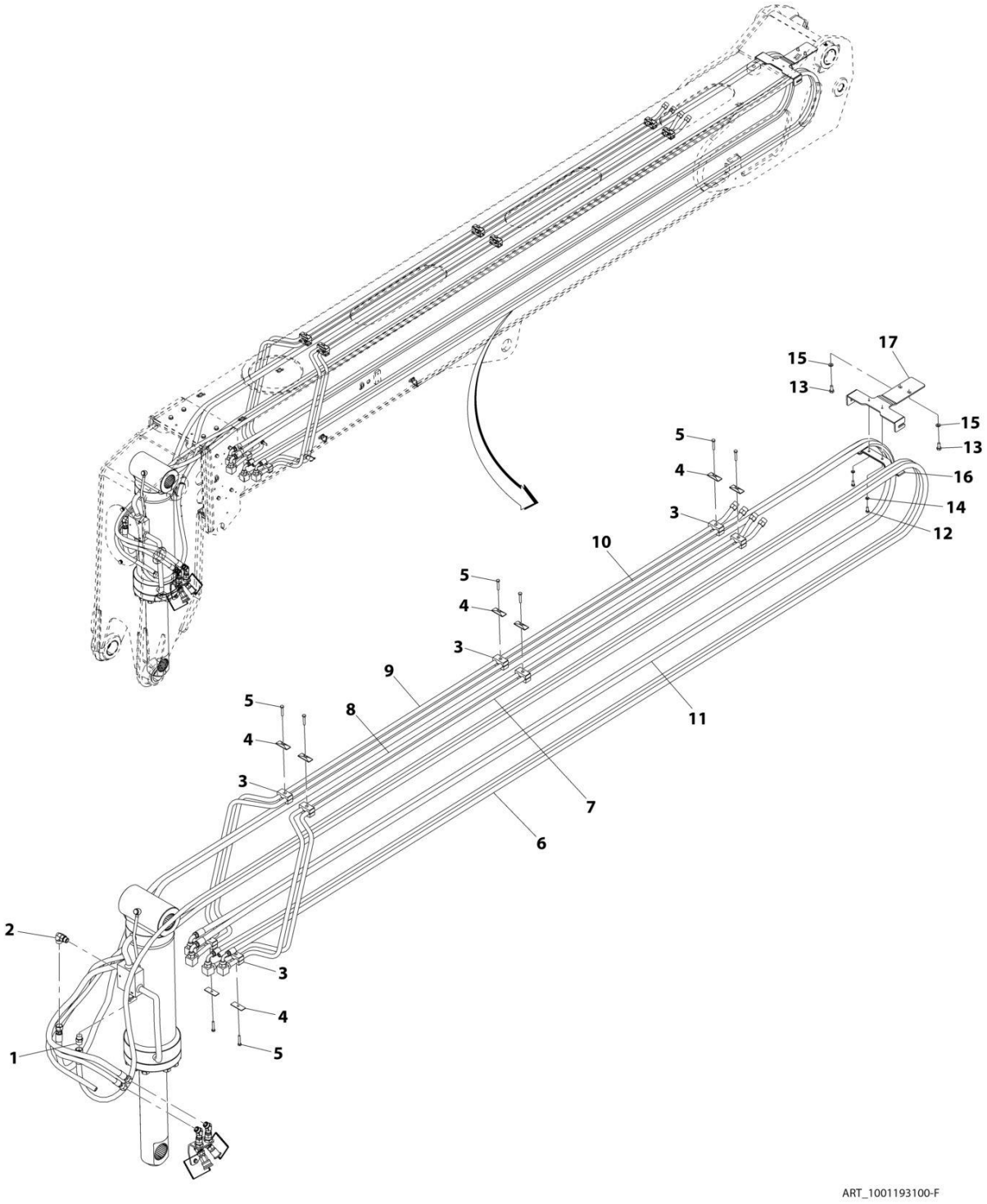


FIGURE 8-3. BOOM HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193100	Ref	Boom Hydraulic Installation	F
1	2111010	1	Fitting, Straight ORFS	
2	2131010	1	Fitting, ORFS	
3	77133136	8	Clamp	
4	77133137	8	Plate, Twin Hose Cover	
5	0700817	8	Bolt, M8X45	
6	1001206242	1	Hose	
7	1001209200	1	Pipe	
8	1001209201	1	Pipe	
9	1001209202	1	Pipe	
10	1001209203	1	Pipe	
11	1001193465	1	Hose	
12	0760810	2	Bolt, M8X20	
13	0761012	2	Bolt, M10X25	
14	4811900	2	Washer, M8	
15	4812000	2	Washer, M10	
16	1001214661	1	Plate	
17	1001215470	1	Support, Hose	

FIGURE 8-4. BOOM AUX HYDRAULIC INSTALLATION (MANUAL - SINGLE)

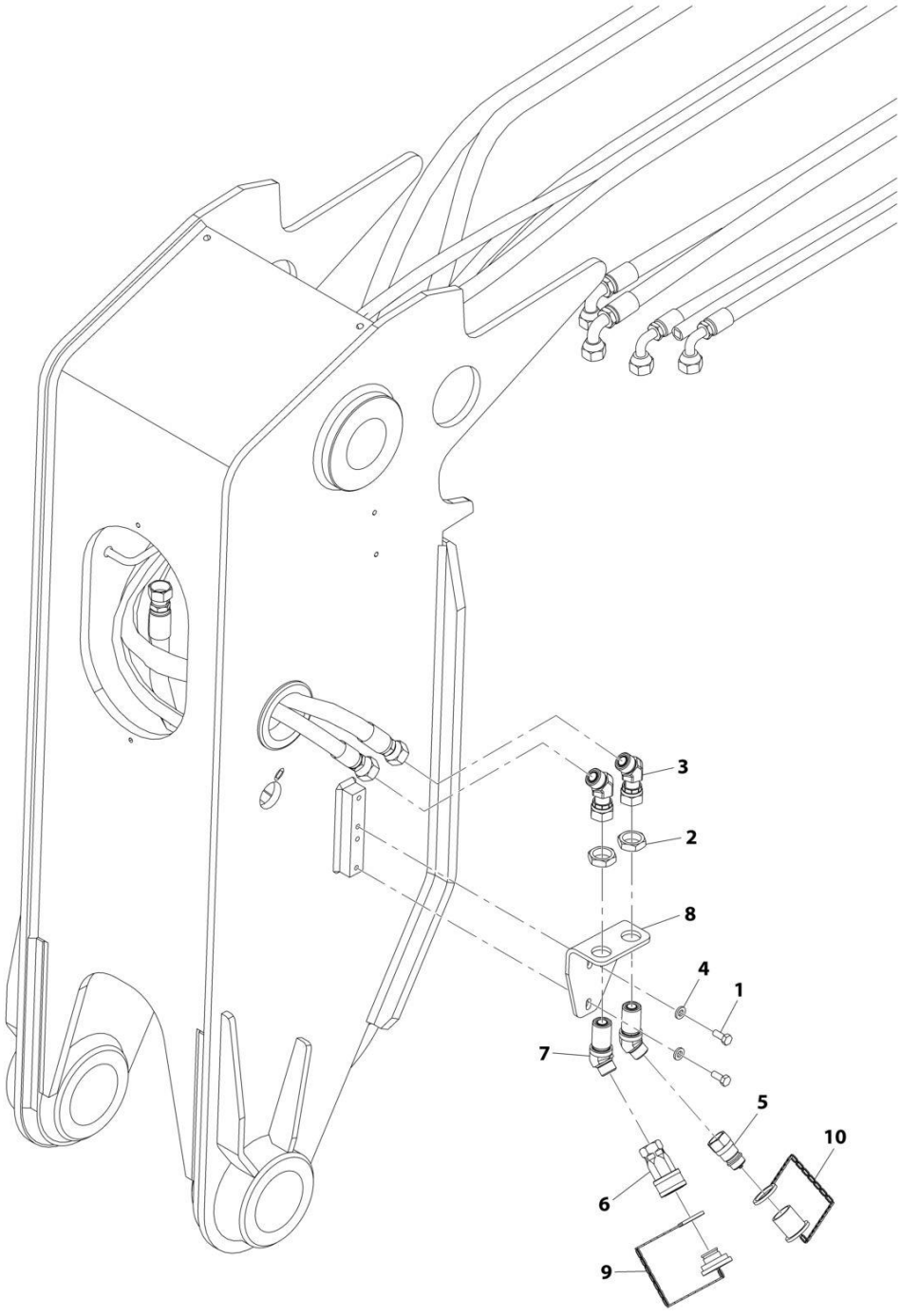
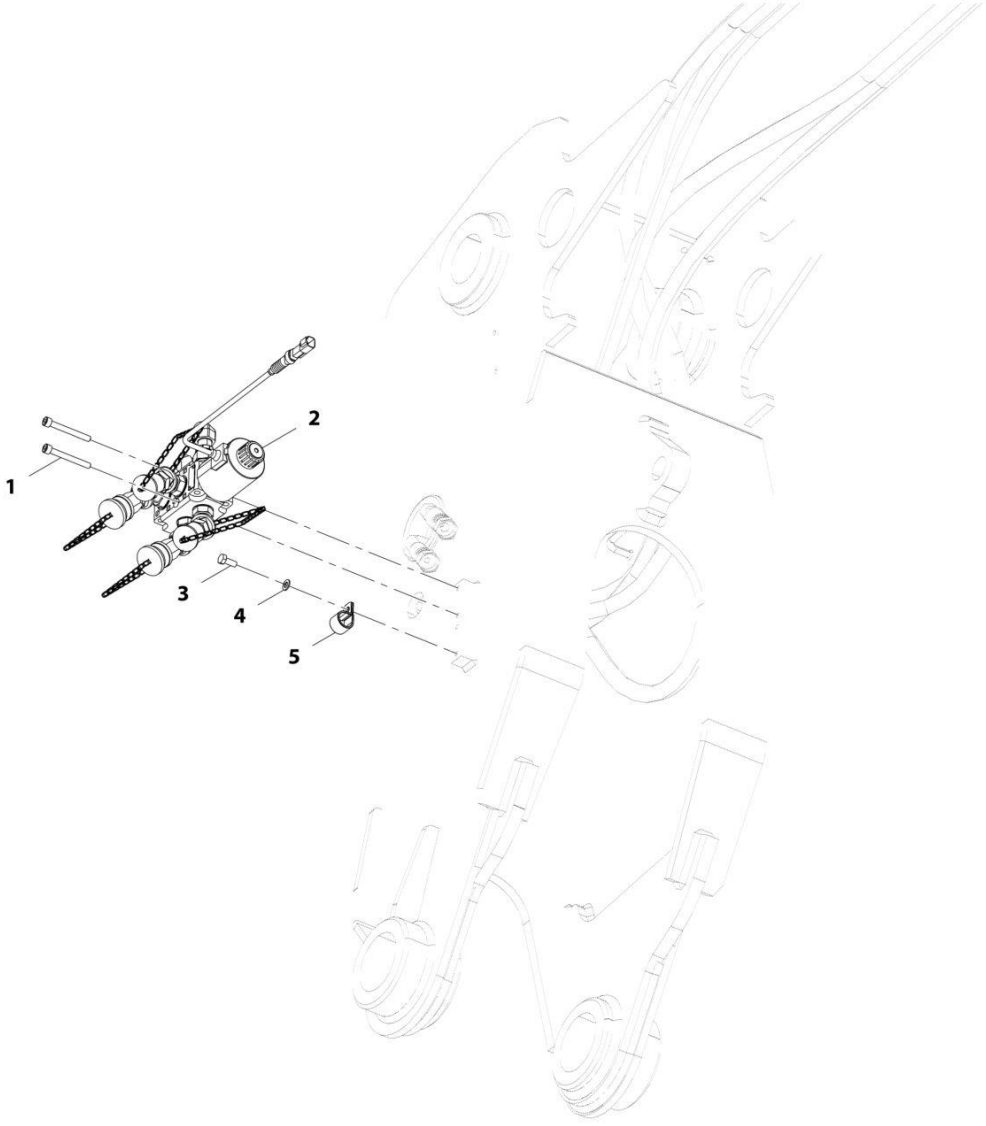


FIGURE 8-4. BOOM AUX HYDRAULIC INSTALLATION (MANUAL - SINGLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192363	Ref	Boom Aux Hydraulic Installation (Manual - Single)	D
1	0760810	2	Bolt, M8X20	
2	8770075	2	Fitting, ORFS	
3	1001147416	2	Fitting, 45 ORFS	
4	5240800	2	Washer, M8	
5	1001101041	1	Coupling, Male Quick Disconnect	
6	1001101042	1	Coupling, Female Quick Disconnect	
7	1001217553	2	Fitting, 45 ORFS	
8	1001217552	1	Bracket	
9	91043125	1	Plug	
10	91043126	1	Cap, Dust	

FIGURE 8-5. BOOM AUX HYDRAULIC INSTALLATION (MANUAL - TWIN)



ART_1001192366-C

FIGURE 8-5. BOOM AUX HYDRAULIC INSTALLATION (MANUAL - TWIN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192366	Ref	Boom Aux Hydraulic Installation (Manual - Twin)	C
1	4031918	2	Bolt, M8X70	
2	1001213318	1	Assembly, Diverter Valve (manual - twin) (See Separate Breakdown in this Section)	
3	0760810	1	Bolt, M8X20	
4	4811900	1	Washer, M8	
5	8406202	1	CLIP,TUBE 7/8"	

FIGURE 8-6. BOOM AUX DIVERTER VALVE/FITINGS ASSEMBLY (MANUAL - TWIN)

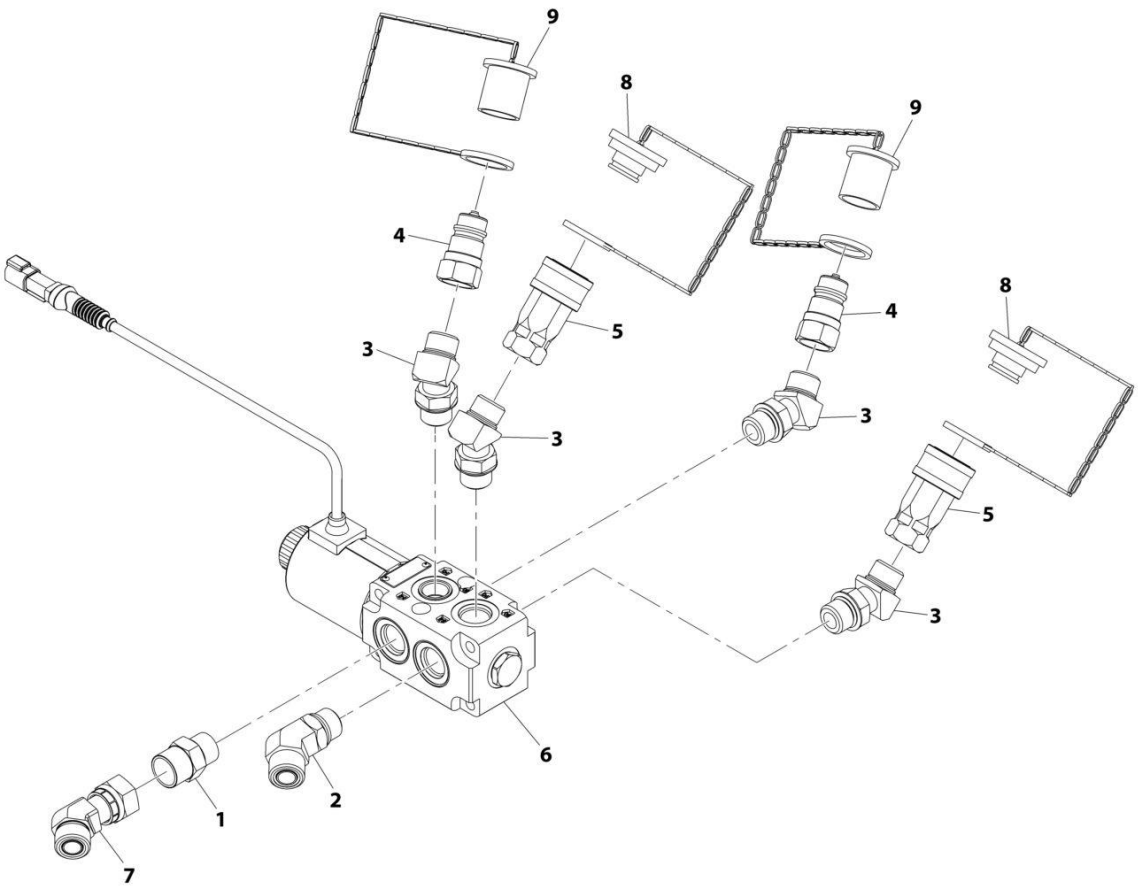


FIGURE 8-6. BOOM AUX DIVERTER VALVE/FITINGS ASSEMBLY (MANUAL - TWIN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213318	Ref	Diverter Valve Assembly	B
1	2111010	1	Fitting, Straight ORFS	
2	2151010	1	Fitting, 45 ORFS	
3	1001005904	4	Fitting, 45	
4	1001101041	2	Adapter, Male Quick Disconnect	
5	1001101042	2	Adapter, Female Quick Disconnect	
6	1001110023	1	Valve, Diverter (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
7	1001147416	1	Fitting, 45 ORFS	
8	91043125	2	Plug	
9	91043126	2	Cap	

FIGURE 8-7. BOOM AUX HYDRAULIC INSTALLATION (HYDRAULIC - SINGLE)

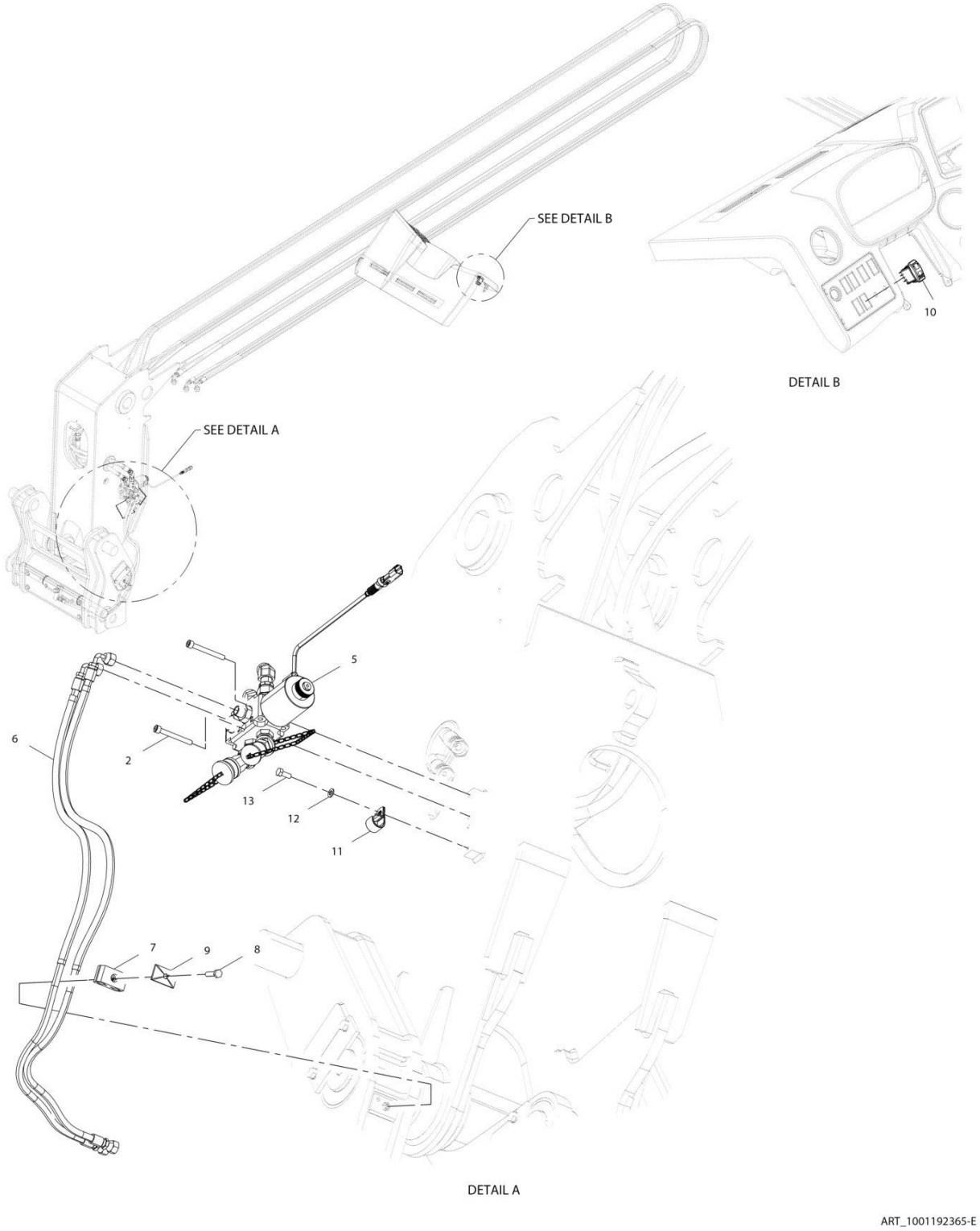


FIGURE 8-7. BOOM AUX HYDRAULIC INSTALLATION (HYDRAULIC - SINGLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192365	Ref	Boom Aux Hydraulic Installation (Hydraulic - Single)	E
2	4031918	2	Bolt, M8X70	
5	1001213317	1	Assembly, Diverter Valve (Hydraulic - Single) (See Separate Breakdown in this Section)	
6	1001193111	2	Hose	
7	8769126	1	Clamp	
8	0760815	1	Bolt, M8X35	
9	8769123	1	Plate, Cover	
10	1001080375	1	Switch	
11	8406202	1	CLIP,TUBE 7/8"	
12	4811900	1	Washer, M8	
13	0760810	1	Bolt, M8X20	

FIGURE 8-8. BOOM AUX DIVERTER VALVE/FITINGS ASSEMBLY (HYDRAULIC - SINGLE)

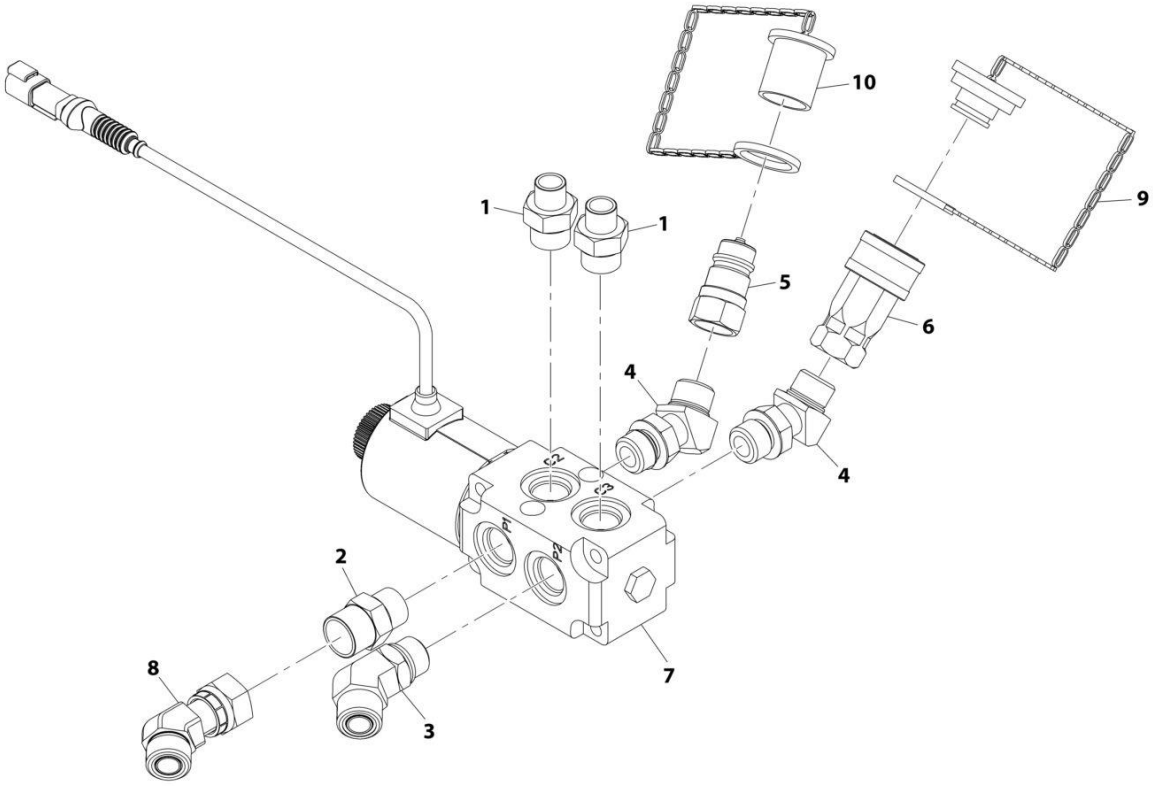


FIGURE 8-8. BOOM AUX DIVERTER VALVE/FITINGS ASSEMBLY (HYDRAULIC - SINGLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213317	Ref	Diverter Valve Assembly	B
1	2110610	2	Fitting, Straight ORFS	
2	2111010	1	Fitting, Straight ORFS	
3	2151010	1	Fitting, 45 ORFS	
4	1001005904	2	Fitting, 45	
5	1001101041	1	Fitting, Male Quick Disconnect	
6	1001101042	1	Fitting, Female Quick Disconnect	
7	1001104477	1	Valve, Divertor (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
8	1001147416	1	Fitting, 45 ORFS	
9	91043125	1	Plug	
10	91043126	1	Cap, Dust	

FIGURE 8-9. BOOM AUX HYDRAULIC INSTALLATION (HYDRAULIC - TWIN)

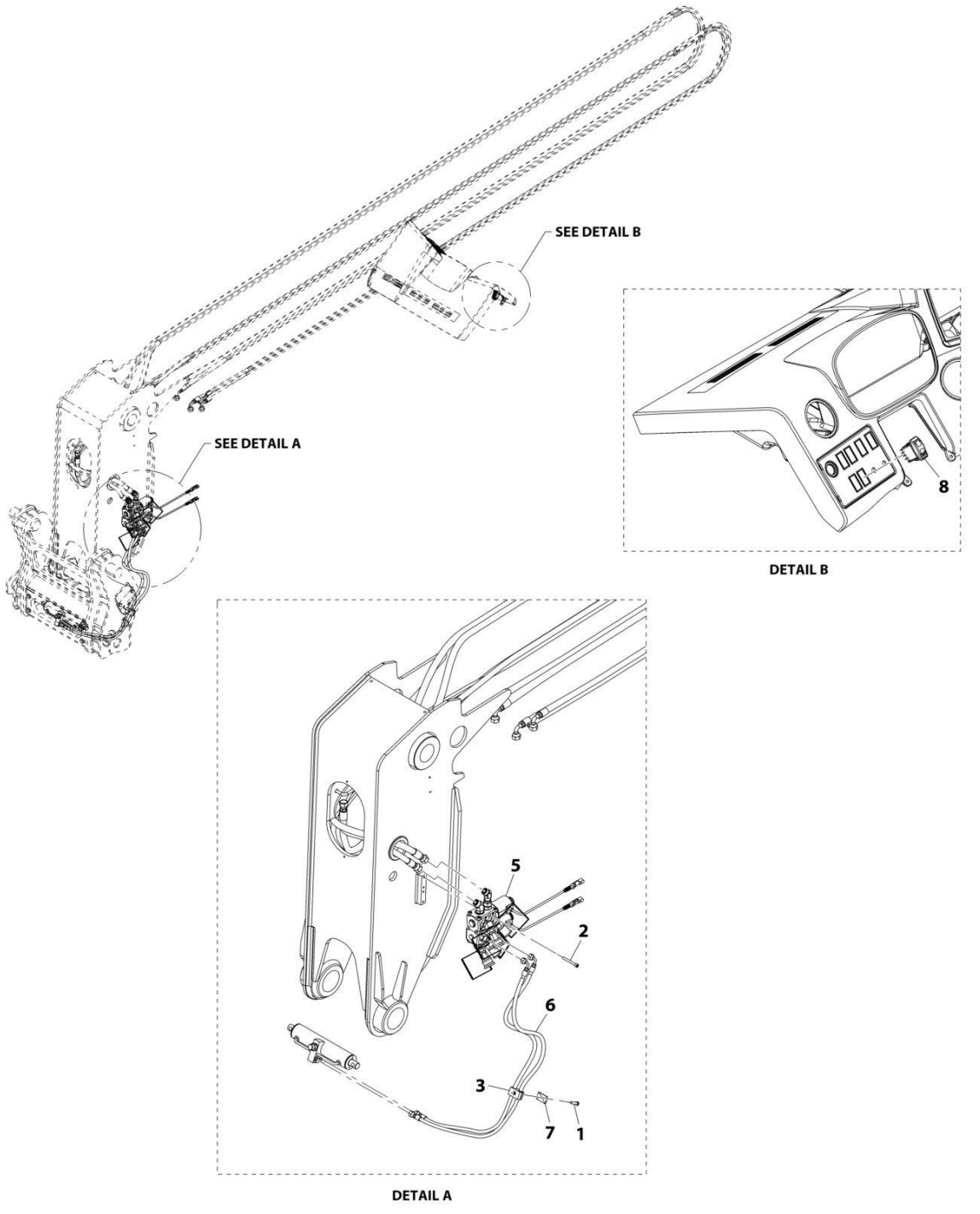


FIGURE 8-9. BOOM AUX HYDRAULIC INSTALLATION (HYDRAULIC - TWIN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192367	Ref	Boom Aux Hydraulic Installation (Hydraulic - Twin)	C
1	0760815	1	Bolt, M8X35	
2	4031918	3	Bolt, M8X70	
3	8769126	1	Clamp	
5	1001213319	1	Assembly, Diverter Valve (Hydraulic - Twin) (See Separate Breakdown in this Section)	
6	1001193111	2	Hose	
7	8769123	1	Plate, Cover	
8	1001080375	1	Switch	

FIGURE 8-10. BOOM AUX DIVERTER VALVE/FITINGS ASSEMBLY (HYDRAULIC - TWIN)

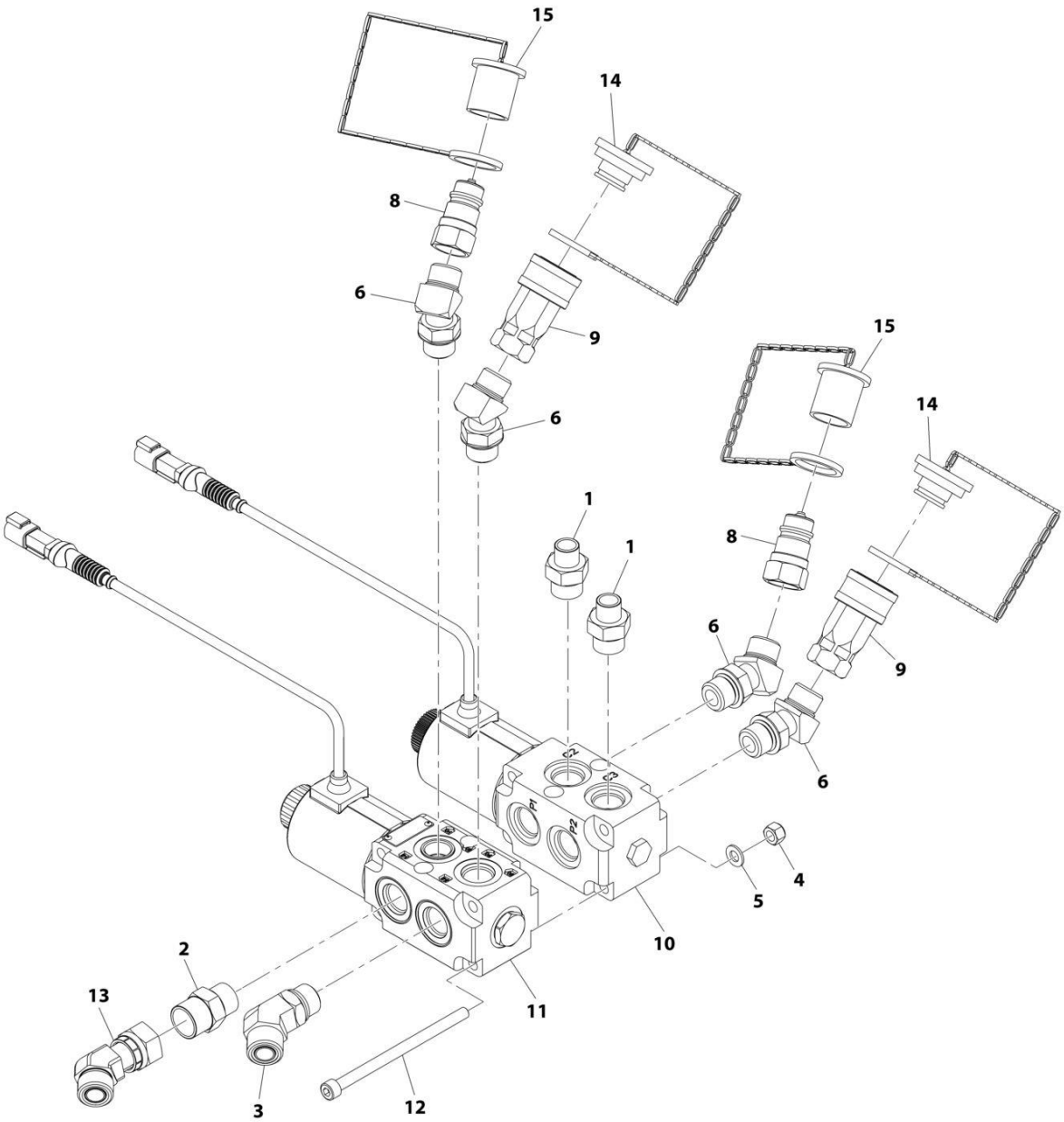
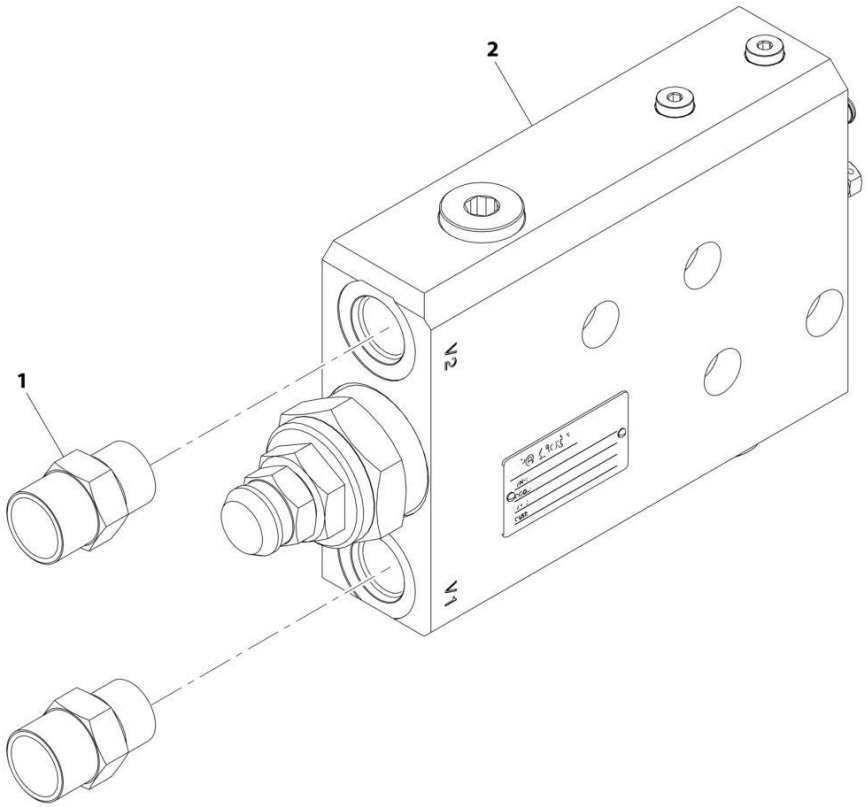


FIGURE 8-10. BOOM AUX DIVERTER VALVE/FITINGS ASSEMBLY (HYDRAULIC - TWIN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213319	Ref	Diverter Valve Assembly	C
1	2110610	2	Fitting, Straight ORFS	
2	2111010	1	Fitting, Straight ORFS	
3	2151010	1	Fitting, 45 ORFS	
4	3290805	4	Nut, Lock M8X1.25	
5	4811900	4	Washer, M8	
6	1001005904	4	Fitting, 45	
8	1001101041	2	Fitting, Male Quick Disconnect	
9	1001101042	2	Fitting, Female Quick Disconnect	
10	1001104477	1	Valve, Divertor (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
11	1001110023	1	Valve, Divertor (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
12	1001110115	4	Bolt, M8X100	
13	1001147416	1	Fitting, 45 ORFS	
14	91043125	2	Plug	
15	91043126	2	Cap	

FIGURE 8-11. BOOM EXTENT/RETRACT COUNTERBALANCE VALVE INSTALLATION



ART_1001212312-A

FIGURE 8-11. BOOM EXTENT/RETRACT COUNTERBALANCE VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212312	Ref	Counterbalance Valve & Fittings Sub-Assembly	A
1	2111010	2	Fitting, Straight ORFS	
2	1001209862	1	Valve, Counterbalance (See Separate Breakdown in this Section)	

FIGURE 8-12. BOOM RAISE HOSE INSTALLATION (NO RIDE CONTROL)

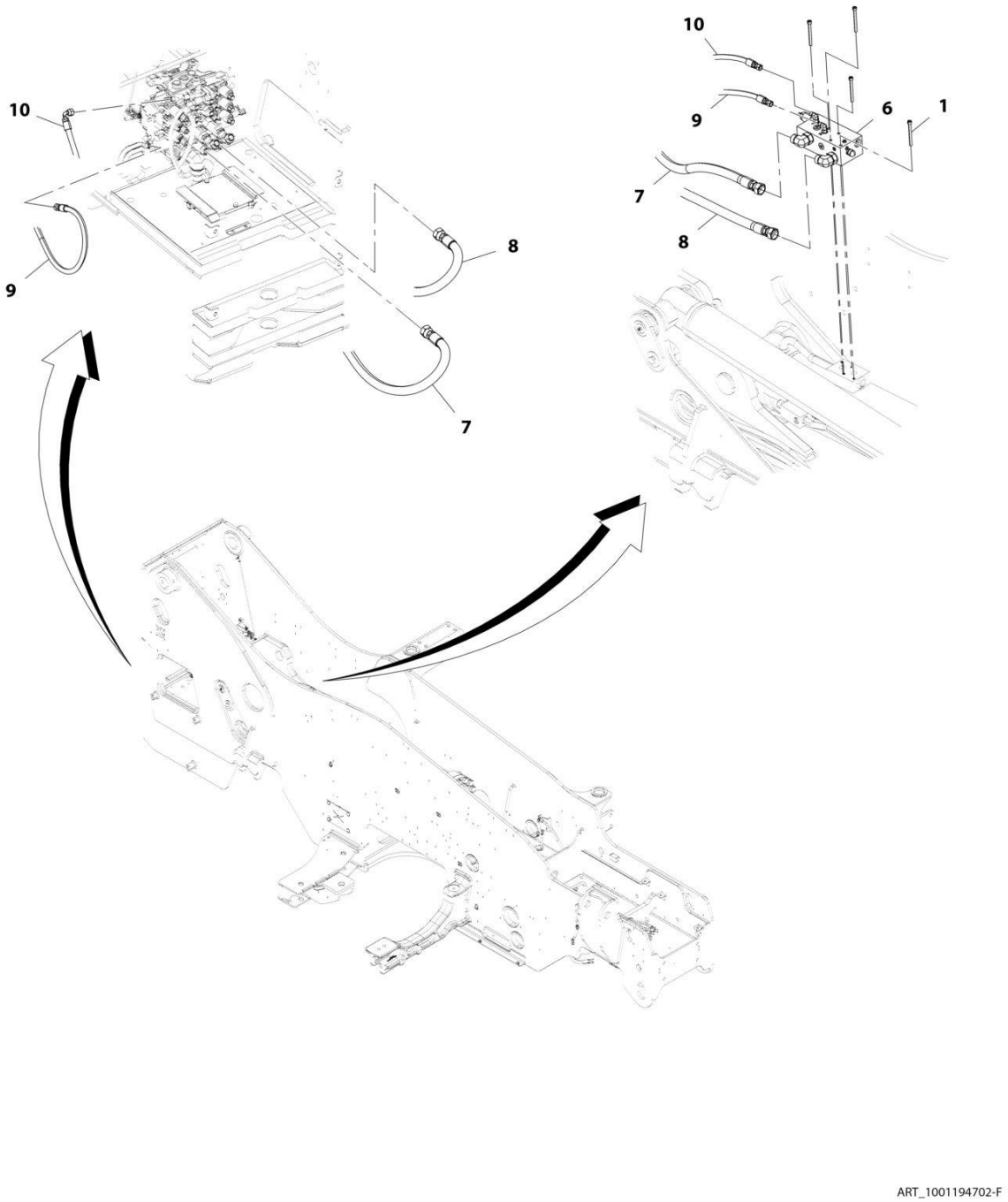
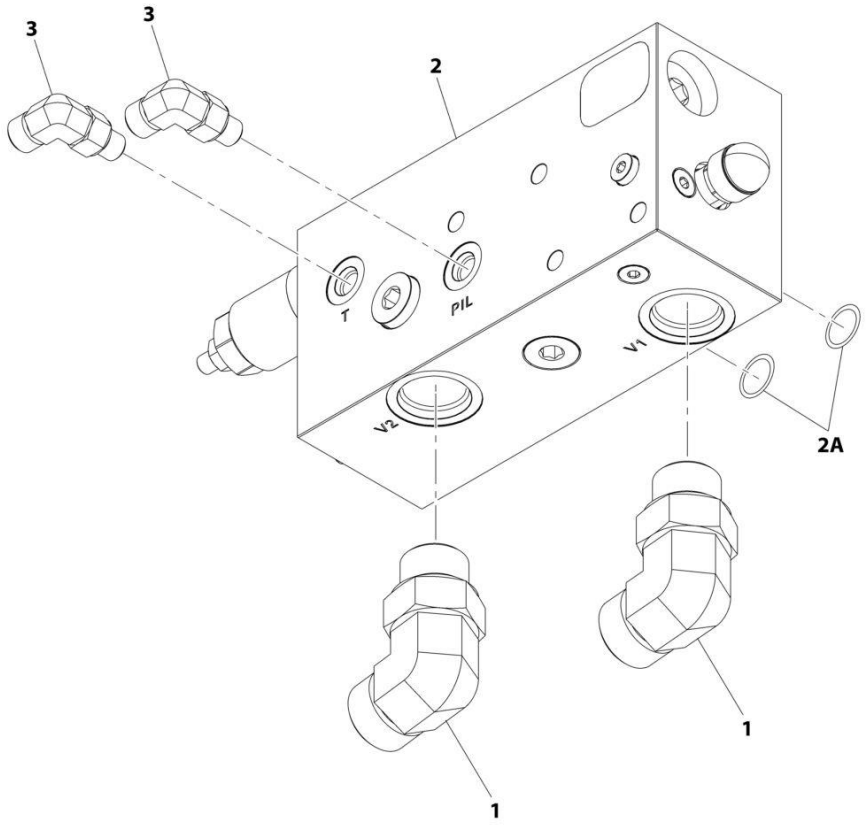


FIGURE 8-12. BOOM RAISE HOSE INSTALLATION (NO RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194702	Ref	Boom Raise Hose Installation (no Ride Control)	F
1	4031921	4	Bolt, M8X85	
6	1001219764	1	Valve, Boom Raise Counterbalance (no Ride Control) (See Separate Breakdown in this Section)	
7	1001225392	1	Hose, ORFS	
8	1001225393	1	Hose, ORFS	
9	1001226828	1	Hose, ORFS	
10	1001226829	1	Hose, ORFS	

FIGURE 8-13. BOOM RAISE COUNTERBALANCE VALVE/FITTINGS ASSEMBLY (NO RIDE CONTROL)



ART_1001219764-C

FIGURE 8-13. BOOM RAISE COUNTERBALANCE VALVE/FITTINGS ASSEMBLY (NO RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219764	Ref	Boom Raise Counterbalance Valve (no Ride Control)	C
1	2131212	2	Fitting, 90 ORFS	
2	1001224944	1	Valve, GLS	
2A	70028282	2	O-ring	
3	2130404	2	Fitting, 90 ORFS	

FIGURE 8-14. BOOM RAISE HOSE INSTALLATION (RIDE CONTROL)

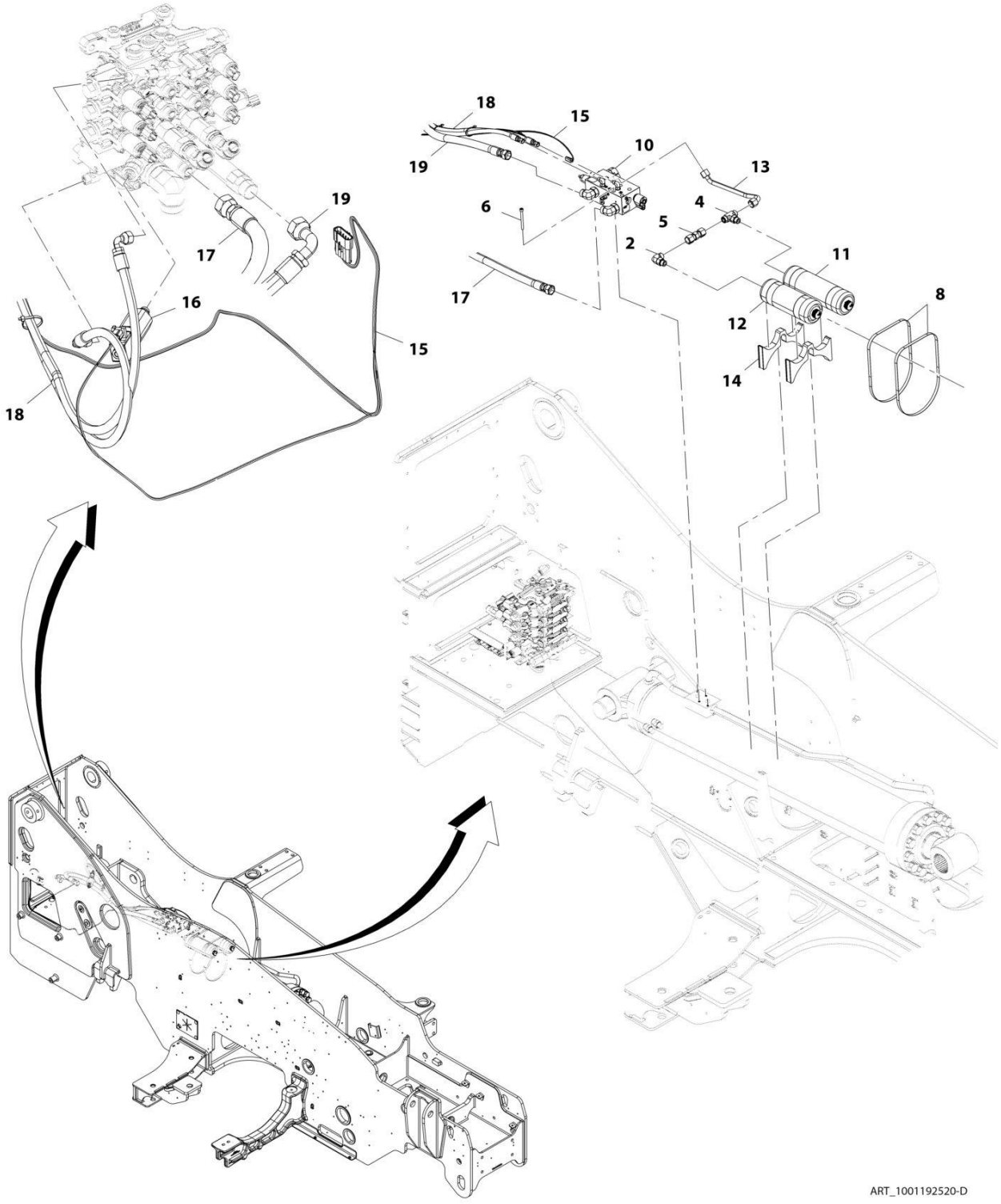
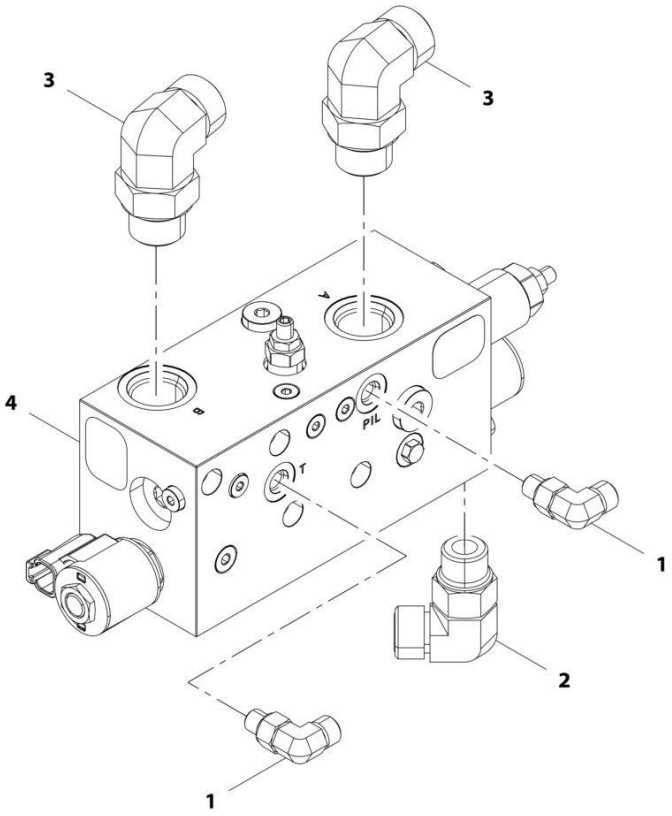


FIGURE 8-14. BOOM RAISE HOSE INSTALLATION (RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192520	Ref	Boom Raise Hose Installation (Ride Control)	D
2	2131010	1	Fitting, 90 ORFS	
4	2170410	1	Fitting, Tee ORFS	
5	2172410	1	Fitting, Straight ORFS	
6	4031921	4	Bolt, M8X85	
8	1001214829	2	Clamp	
10	1001219765	1	Assembly, Ride and Float Valve (See Separate Breakdown in this Section)	
11	1001192771	1	Cylinder, Piston	
12	1001192772	1	Cylinder, Piston	
13	1001225390	1	Pipe	
14	1001196402	2	Bumper	
15	1001200105	1	Installation, Ride Control Wiring (See Separate Breakdown in ELECTRICAL Section)	
16	1001202020	1	Valve, MCV Tank Cartridge	
17	1001225393	1	Hose	
18	1001226829	2	Hose	
19	1001227440	1	Hose	

FIGURE 8-15. BOOM RAISE RIDE & FLOAT VALVE/FITTING ASSEMBLY (RIDE CONTROL)



ART_1001219765-B

FIGURE 8-15. BOOM RAISE RIDE & FLOAT VALVE/FITTING ASSEMBLY (RIDE CONTROL)

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 8-16. CAB HYDRUALIC INSTALLATION

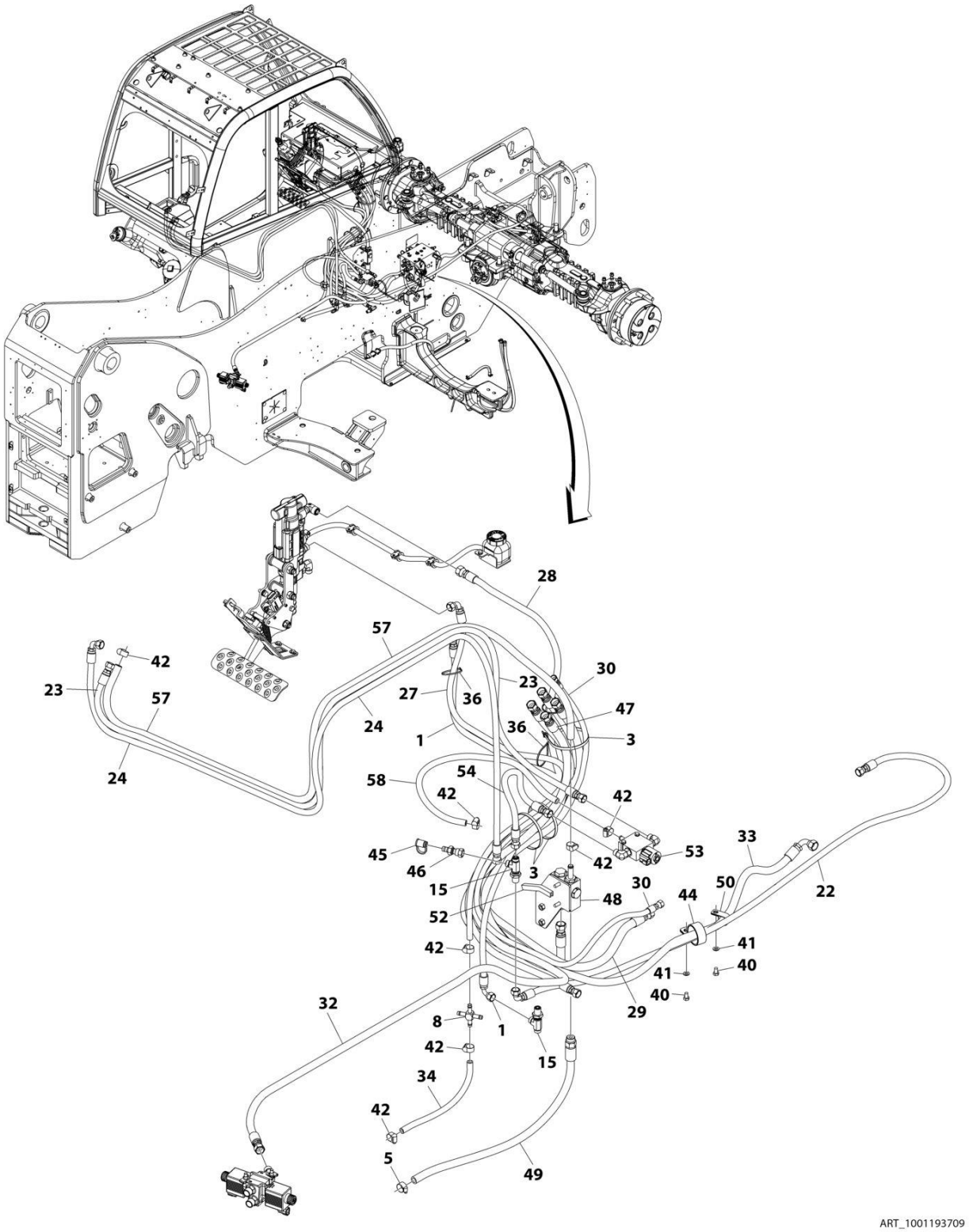


FIGURE 8-16. CAB HYDRUALIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193709	Ref	CAB HYDRUALIC INSTALLATION	J
1	1001196989	1	Hose	
3	4240018	3	Strap, Cable	
5	8405006	1	Clamp	
8	1001215256	1	Fitting, Cross Barb	
15	88662434	2	Fitting, Tee ORFS	
22	1001210800	1	Hose	
23	1001221989	1	Hose	
24	1001210327	1	Hose	
27	1001206709	1	Hose	
28	1001210282	1	Hose	
29	1001196992	1	Hose	
30	1001196993	1	Hose	
32	1001196995	1	Hose	
33	1001196996	1	Hose	
34	1001196997	1	Hose	
36	4240099	3	Tie, Wire	
40	0760807	2	Bolt M8 x 14	
41	4811900	2	Washer M8	
42	8410013	7	Clamp	
44	85941018	1	Clamp	
45	8430032	1	Plug	
46	8430081	1	Fitting, Straight ORFS	
47	1001204152	1	Hose	
48	1001212788	Ref	Installation, Check Valve (See Separate Breakdown in this Section)	
49	1001212880	1	Hose	
50	8406201	1	Clip	
52	90206198	186 mm	Compound, Locking	
53	1001221987	Ref	Installation, Solenoid Valve (See Separate Breakdown in this Section)	
54	1001221988	1	Hose	
57	2720160	2290 mm	Hose	
58	1001008654	750 mm	Hose	

FIGURE 8-17. CAB HYDRUALICS CHECK VALVE INSTALLATION

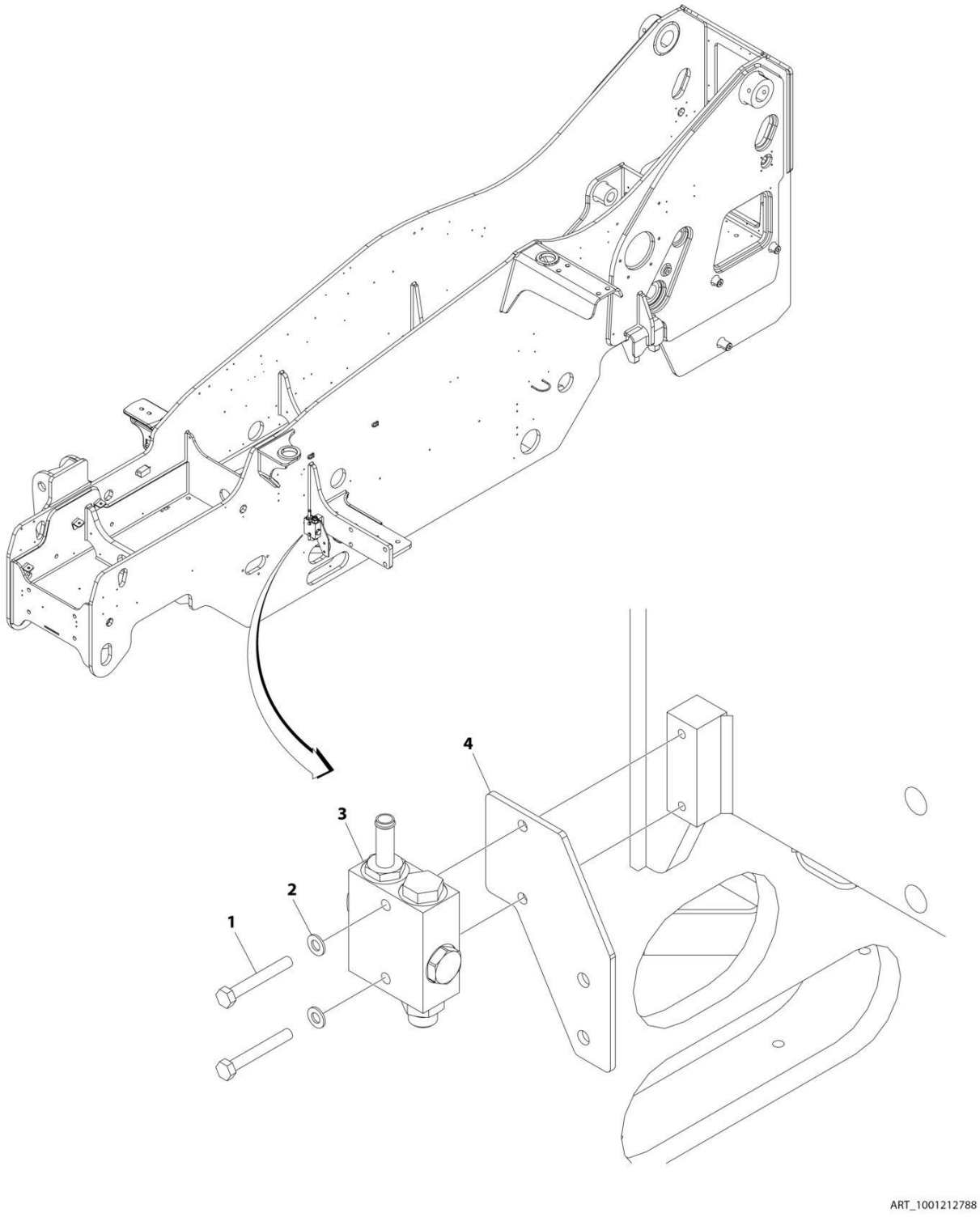


FIGURE 8-17. CAB HYDRUALICS CHECK VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212788	Ref	CAB HYDRUALICS CHECK VALVE INSTALLATION	B
1	0700820	2	Bolt M8 x 60	
2	4811900	2	Washer M8	
3	1001212789	1	Assembly, Check Valve (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
4	1001219659	1	Plate	

FIGURE 8-18. CAB HYDRAULICS SOLENOID INSTALLATION

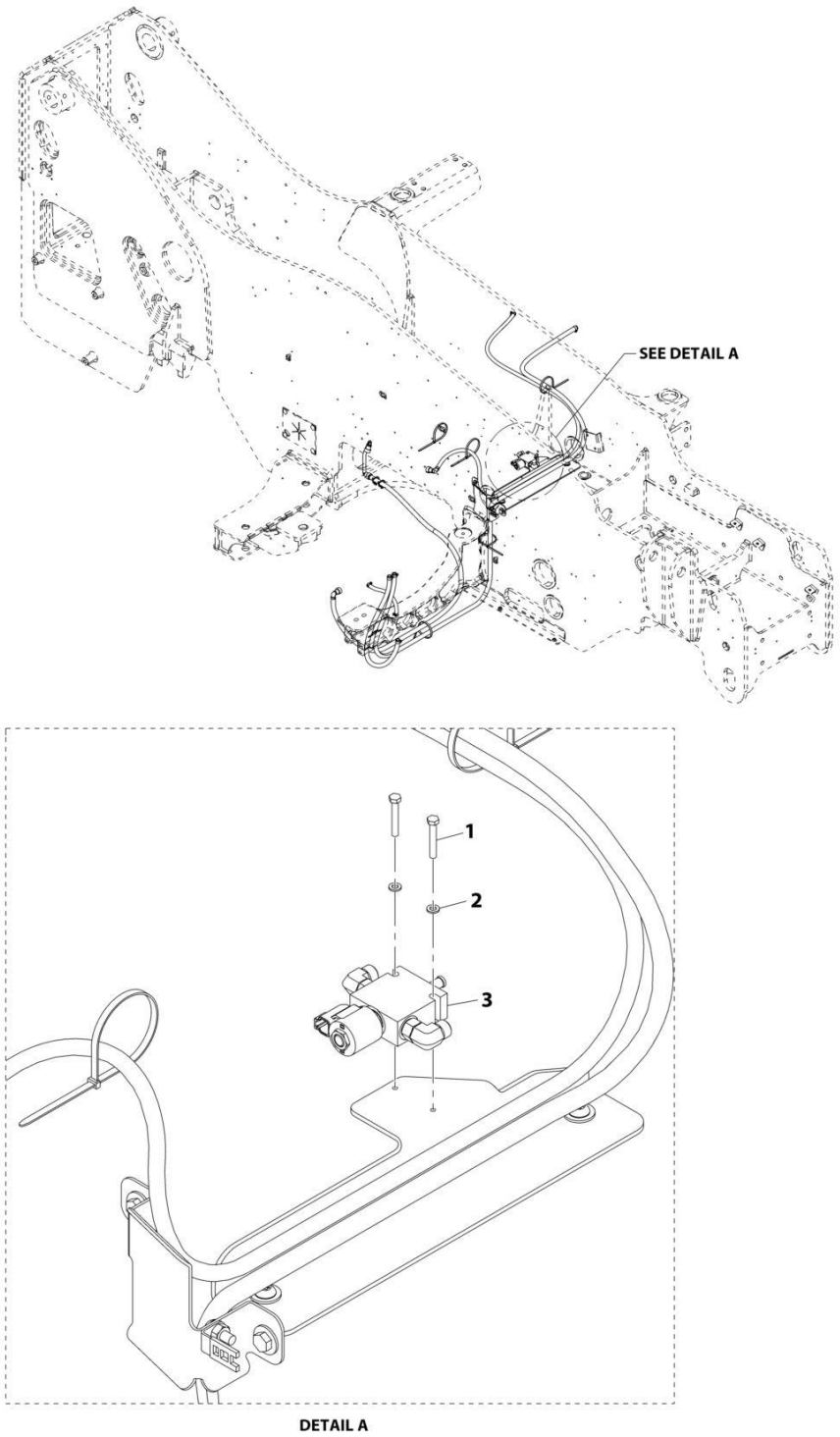
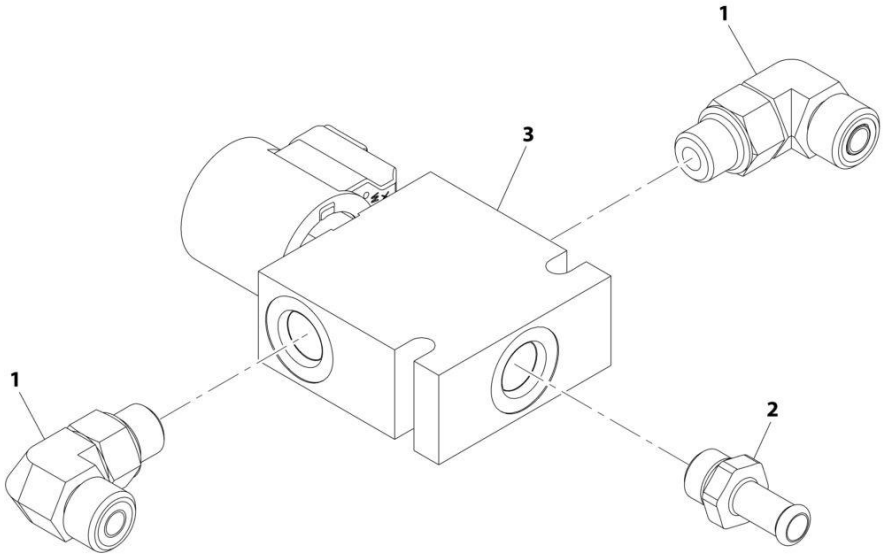


FIGURE 8-18. CAB HYDRAULICS SOLENOID INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221987	Ref	Solenoid Valve Installation	A
1	0700616	2	Bolt, M6X40	
2	4811700	2	Washer, M6	
3	1001221986	1	Assembly, Solenoid Valve (See Separate Breakdown in this Section)	

FIGURE 8-19. CAB HYDRAULICS SOLENOID FITTINGS INSTALLATION



ART_1001221986-A

FIGURE 8-19. CAB HYDRAULICS SOLENOID FITTINGS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221986	Ref	Solenoid Valve/Fittings Assembly	A
1	2130606	2	Fitting, 90 ORFS	
2	1001168030	1	Fitting, Hose Barb	
3	1001221928	1	Valve, Solenoid (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 8-20. CHARGE FILTER LINES INSTALLATION

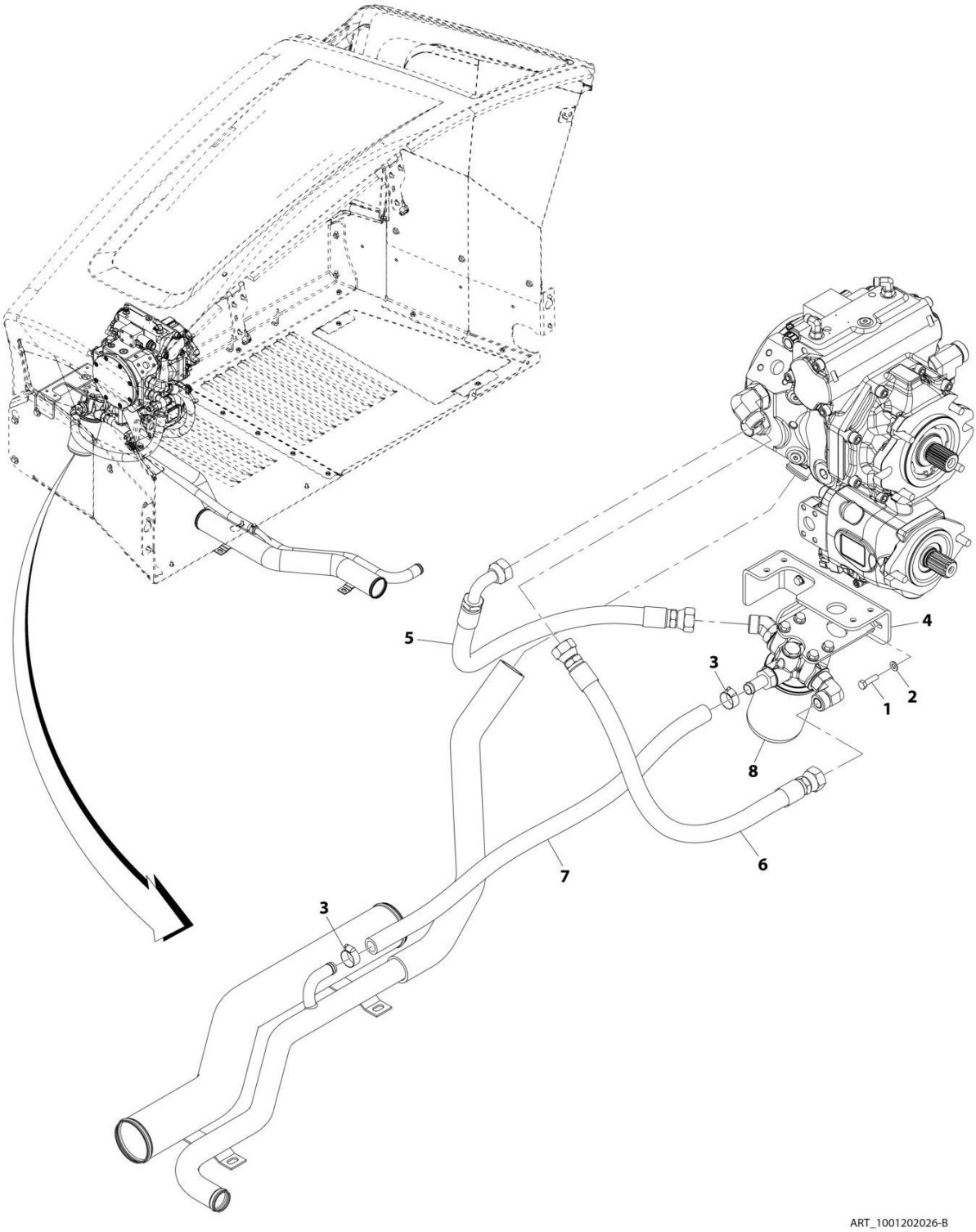


FIGURE 8-20. CHARGE FILTER LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202026	Ref	Charge Filter Lines Installation	B
1	0700814	2	Bolt, M8X30	
2	4811900	2	Washer, M8	
3	8405007	2	Clamp	
4	1001212184	1	Bracket	
5	1001195433	1	Hose	
6	1001195434	1	Hose	
7	1001195435	1	Hose	
8	1001195430	Ref	Installation, Charge Filter (See Separate Breakdown in this Section)	

FIGURE 8-21. CHARGE FILTER INSTALLATION

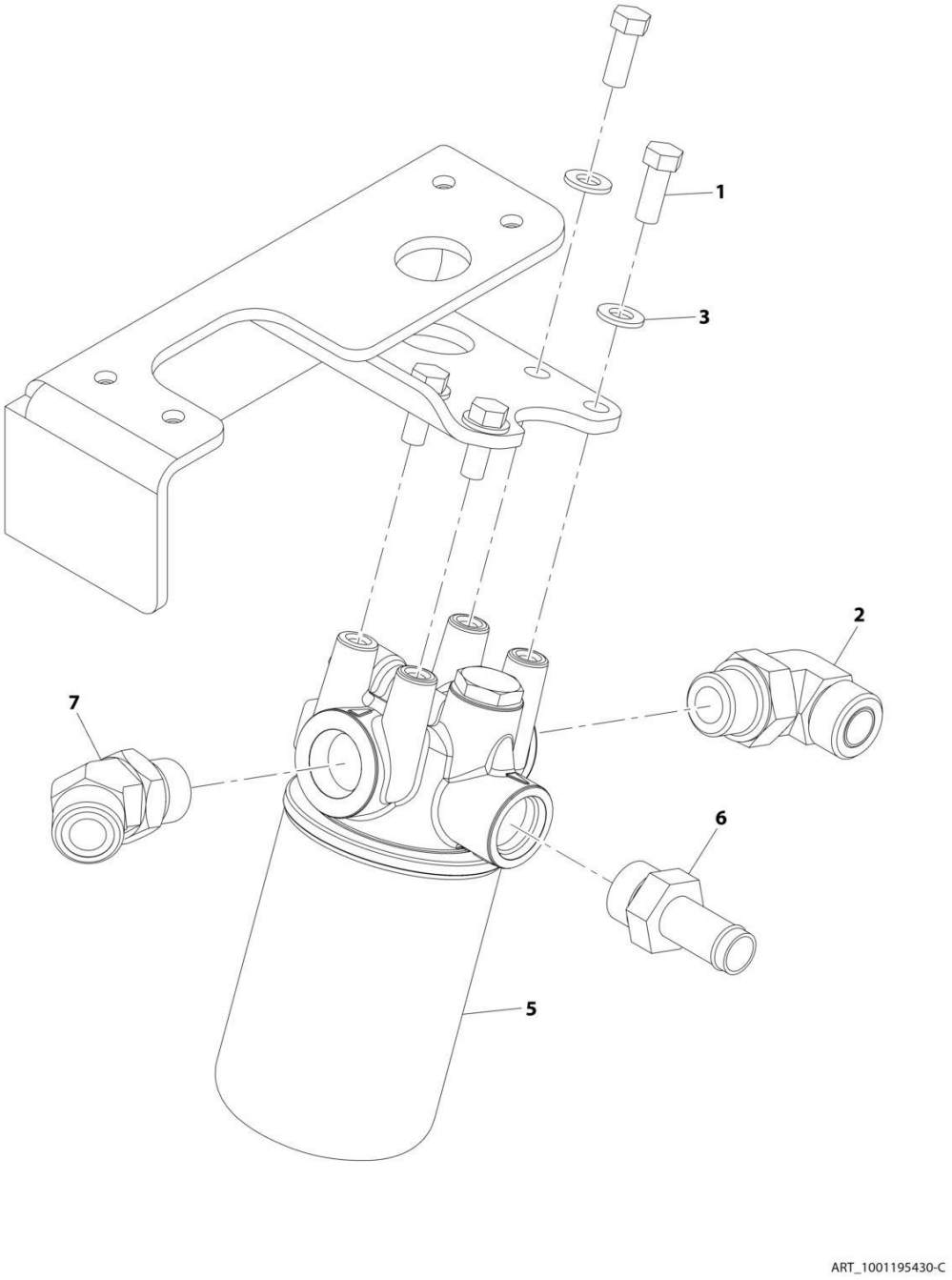


FIGURE 8-21. CHARGE FILTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195430	Ref	Charge Filter Installation	C
1	0641608	4	Bolt, 3/8-16X1	
2	2131212	1	Fitting, 90 ORFS	
3	4812000	4	Washer, M10	
5	1001141976	1	Assembly, Charge Filter (See Separate Breakdown in this Section)	
6	1001183700	1	Fitting,Barb	
7	2151212	1	Fitting, 45 ORFS	

FIGURE 8-22. CHARGE FILTER ASSEMBLY

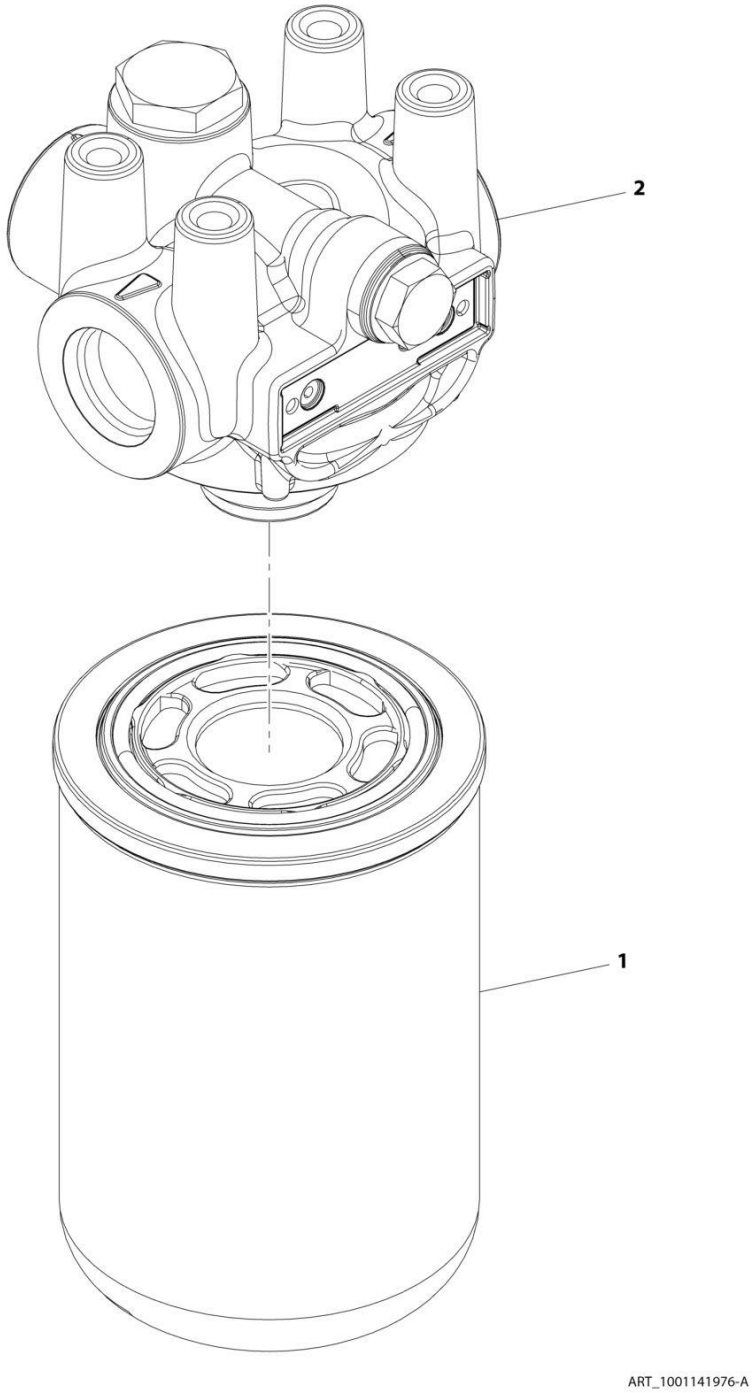


FIGURE 8-22. CHARGE FILTER ASSEMBLY

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

FIGURE 8-23. ENGINE BAY HYDRAULIC INSTALLATION

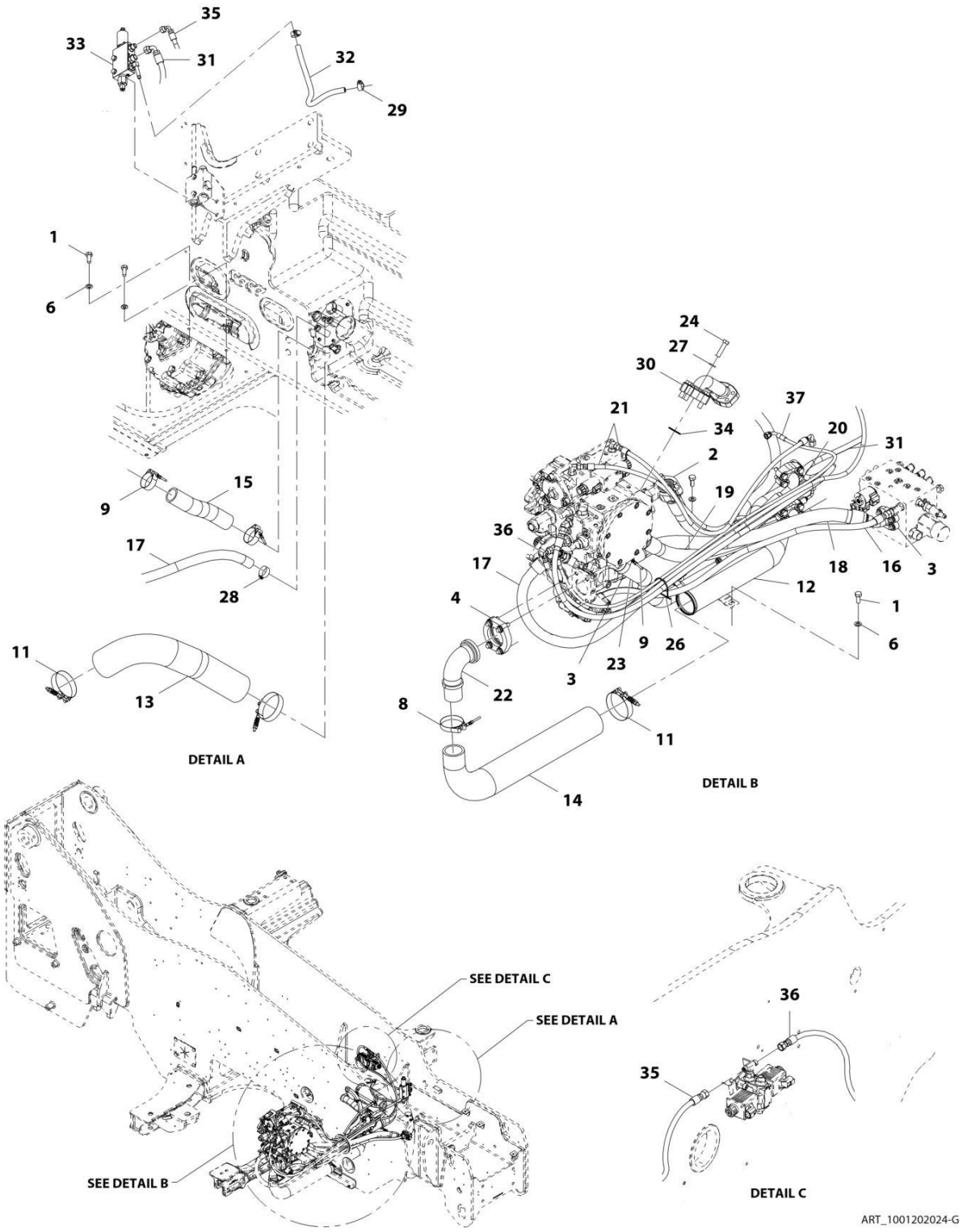


FIGURE 8-23. ENGINE BAY HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202024	Ref	Engine Bay Installation	G
1	0761012	4	Bolt, M10X25	
2	1001217948	4	Kit, Flange (includes mounting hardware and o-ring)	
3	2171816	2	Kit, Flange (includes mounting hardware and o-ring)	
4	2171832	1	Kit, Flange (includes mounting hardware and o-ring)	
6	4812000	4	Washer, M10	
8	1001005438	1	Clamp	
9	1001014231	4	Clamp	
11	1001186843	3	Clamp	
12	1001187272	1	Pipe	
13	1001187273	1	Hose	
14	1001187275	1	Hose	
15	1001193461	1	Hose	
16	1001196959	1	Hose	
17	1001215802	1	Hose	
18	1001214431	1	Hose	
19	1001214430	1	Hose	
20	1001214429	1	Hose	
21	1001215539	2	Hose	
22	8424233	1	Fitting, 90	
23	1001202027	1	Hose	
24	0681714	4	Bolt, 7/16-14X1 3/4 Grade 8	
26	4240099	AR	Tie, Wire	
27	4761700	4	Washer, Lock 7/16	
28	8405007	1	Clamp	
29	8410013	2	Clamp	
30	1001200870	1	Fitting, 90	
31	1001213306	1	Hose	
32	1001213307	1	Hose	
33	1001213308	1	Installation, Inching Valve (See Separate Breakdown in this Section)	
34	91083106	1	O-Ring	
35	1001215093	1	Hose	
36	1001215212	1	Hose	
37	1001223109	1	Hose	

FIGURE 8-24. ENGINE BAY INCHING VALVE INSTALLATION

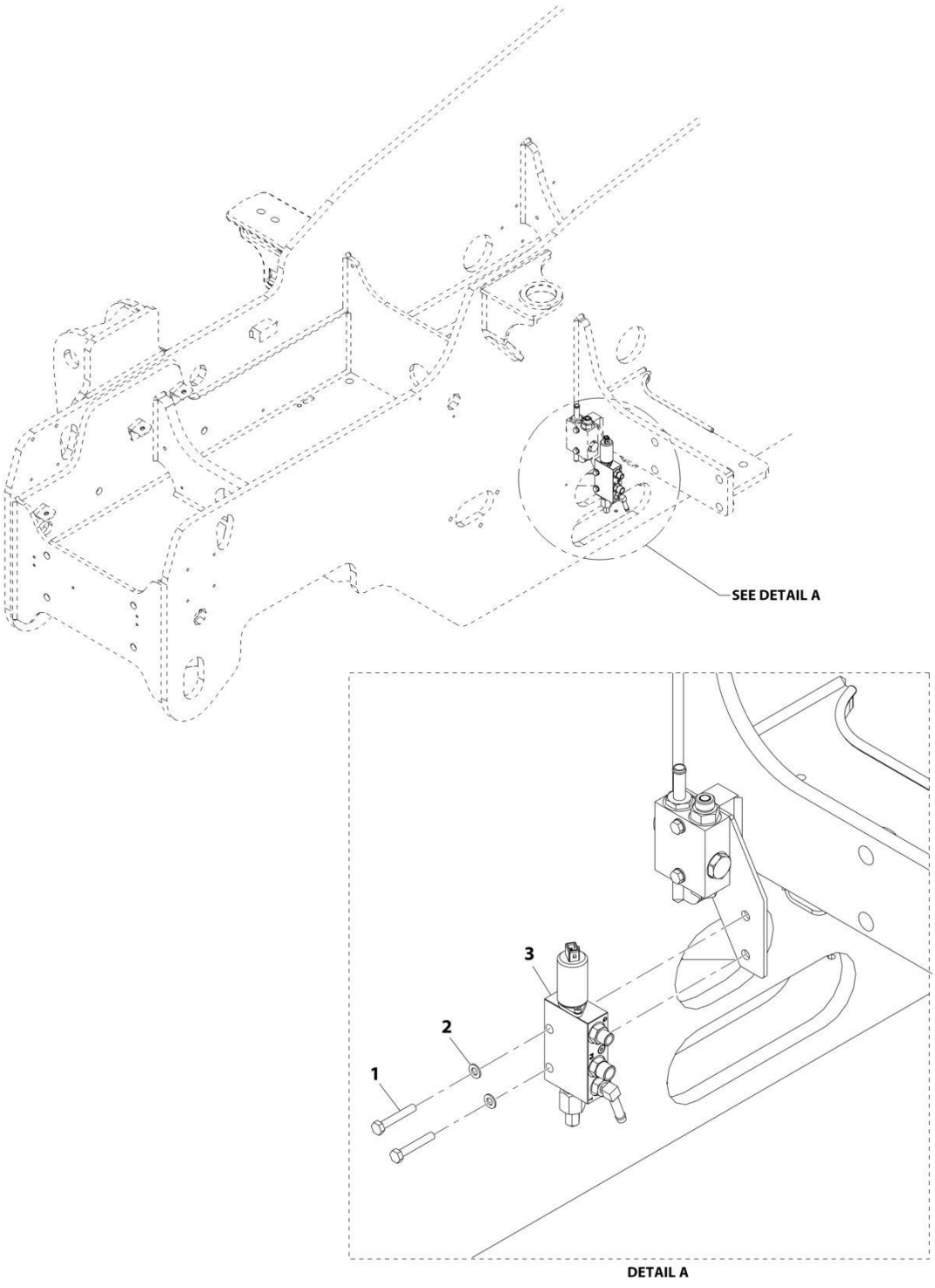
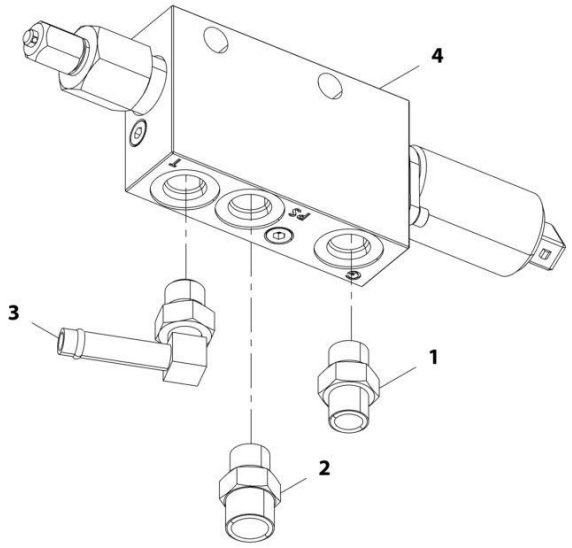


FIGURE 8-24. ENGINE BAY INCHING VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213308	Ref	Inching Valve Installation	A
1	0700818	2	Bolt, M8X50	
2	4811900	2	Washer, M8	
3	1001213309	1	Assembly, Inching Valve (See Separate Breakdown in this Section)	

FIGURE 8-25. ENGINE BAY INCHING VALVE/FITINGS ASSEMBLY



ART_1001213309-B

FIGURE 8-25. ENGINE BAY INCHING VALVE/FITINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213309	Ref	Inching Valve Assembly	B
1	2110406	1	Fitting, Straight ORFS	
2	2110606	1	Fitting, Straight ORFS	
3	8430034	1	Elbow, 90	
4	1001213311	1	Valve, Inching (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 8-26. FRAME HYDRAULIC INSTALLATION

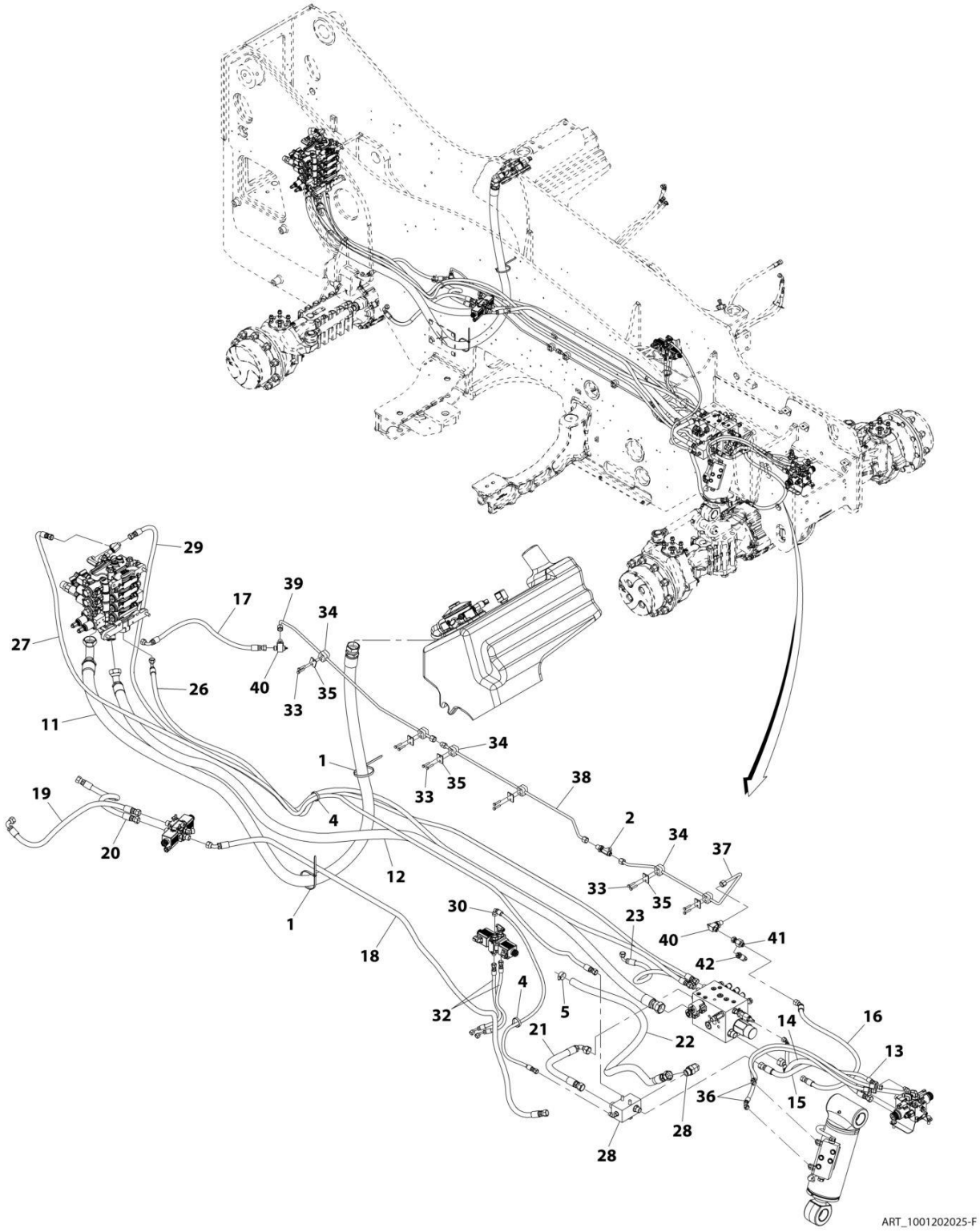
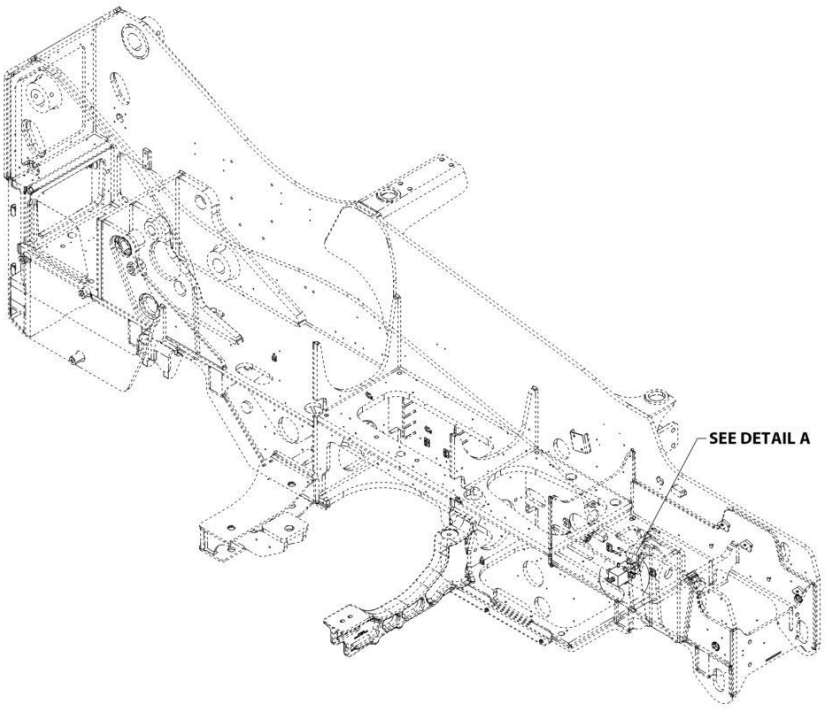
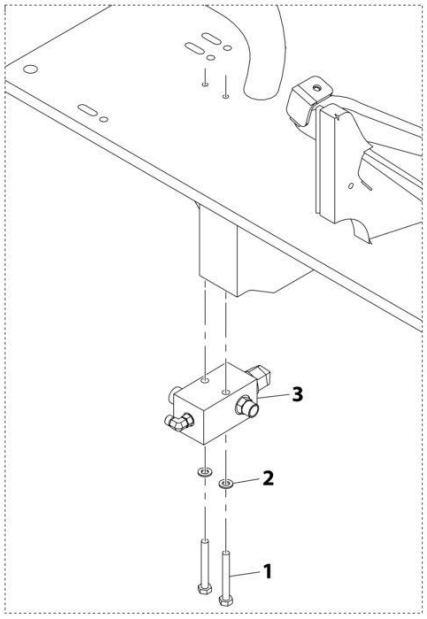


FIGURE 8-26. FRAME HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202025	Ref	Frame Hydraulic Installation	F
1	1062255	2	Strap, Tie	
2	88662434	1	Fitting, Tee ORFS	
4	4240018	2	Strap, Tie	
5	8405007	1	Clamp	
11	1001196964	1	Hose	
12	1001196967	1	Hose	
13	1001210635	1	Hose	
14	1001196969	1	Hose	
15	1001196970	1	Hose	
16	1001208532	1	Hose	
17	1001208534	1	Hose	
18	1001196973	1	Hose	
19	1001196974	1	Hose	
20	1001196975	1	Hose	
21	1001196976	1	Hose	
22	1001196977	1	Hose	
23	1001196978	1	Hose	
26	1001196981	1	Hose	
27	1001196982	1	Hose	
28	1001197197	Ref	Installation, Manifold (See Separate Breakdown in this Section)	
29	1001197199	1	Hose	
30	1001197200	1	Hose	
32	1001211020	2	Hose	
33	0700614	12	Bolt, M6X30	
34	9106-3040	6	Clamp	
35	9106-3039	6	Plate, Cover	
36	1001205573	2	Hose	
37	1001207788	1	Pipe	
38	1001207789	1	Pipe	
39	1001207790	1	Pipe	
40	1001210797	2	Bleeder, Brake	
41	1001111140	1	Fitting, ORFS	
42	1001147340	1	Sensor, Pressure	

FIGURE 8-27. FRAME MANIFOLD INSTALLATION





DETAIL A

ART_1001197197-B

FIGURE 8-27. FRAME MANIFOLD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197197	Ref	Manifold Installation	B
1	0701024	2	Bolt, M10X80	
2	4812000	2	Washer, M10	
3	1001197198	1	Assembly, Manifold (See Separate Breakdown in this Section)	

FIGURE 8-28. FRAME MANIFOLD/FITTINGS ASSEMBLY

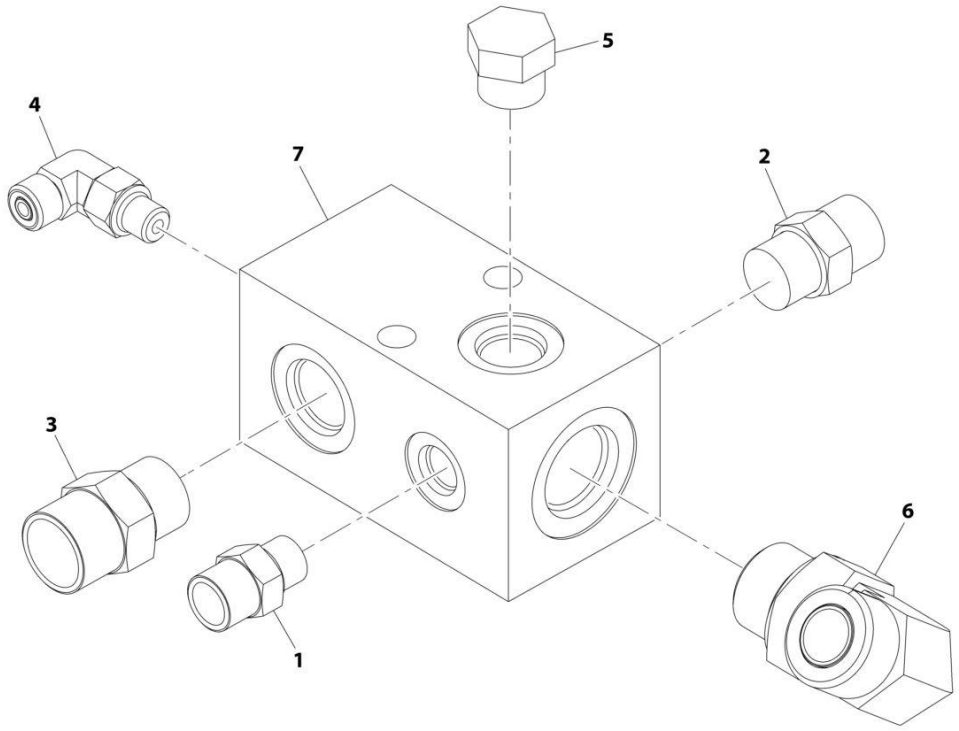


FIGURE 8-28. FRAME MANIFOLD/FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197198	Ref	Manifold Assembly	D
1	2110606	1	Fitting, Straight ORFS	
2	2110808	1	Fitting, Straight ORFS	
3	2111010	1	Fitting, Straight ORFS	
4	2130404	1	Fitting, 90 ORFS	
5	2220238	1	Plug	
6	2131212	1	Fitting, 90 ORFS	
7	1001228504	1	Manifold	

FIGURE 8-29. FRAME LEVEL INSTALLATION

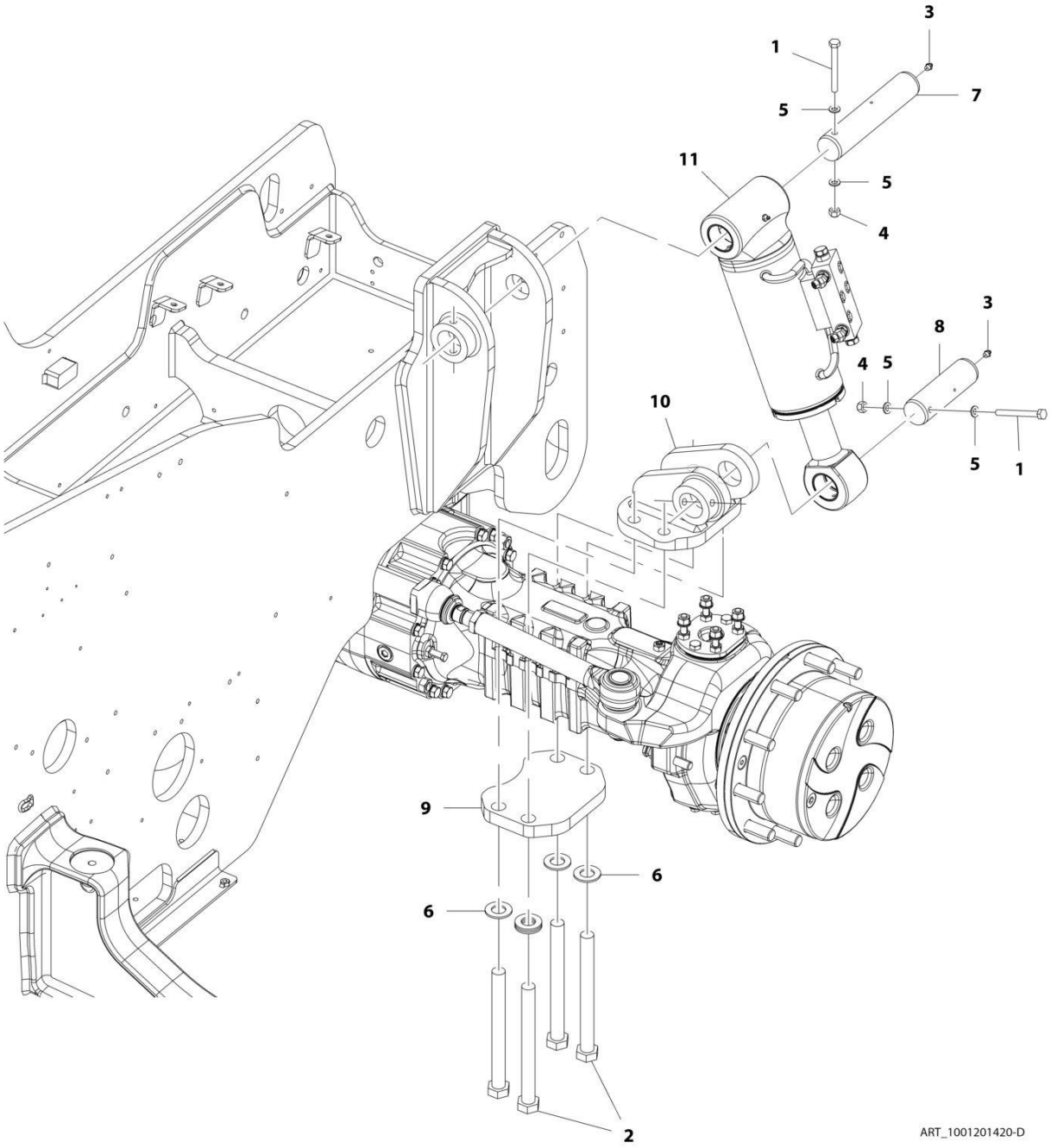


FIGURE 8-29. FRAME LEVEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201420	Ref	Frame Level Installation	D
1	0701027	2	Bolt, M10X100	
2	0712442	4	Bolt, M24X250 Grade 10.9	
3	2160016	2	Fitting, Grease	
4	3291005	2	Nut, Lock M0X1.5 Grade 8	
5	4812000	4	Washer, M10	
6	5242400	6	Washer, M24	
7	1001164971	1	Pin	
8	1001164972	1	Pin	
9	1001207325	1	Plate, Sway Bottom	
10	1001200226	1	Bracket, Axle Sway	
11	1001201074	Ref	Installation, Frame Level Cylinder (See Separate Breakdown in this Section)	

FIGURE 8-30. FRAME LEVEL CYLINDER INSTALLATION

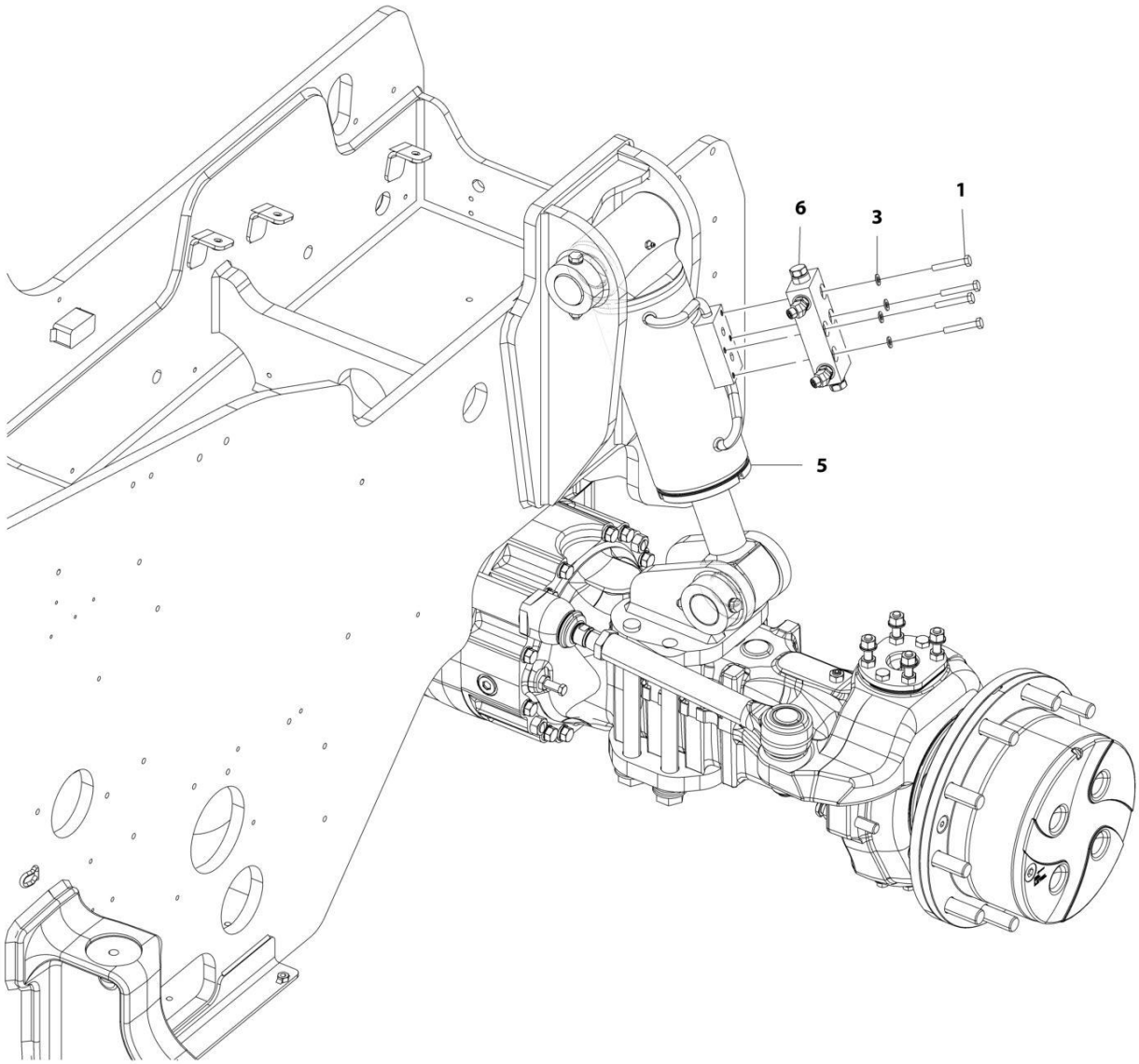
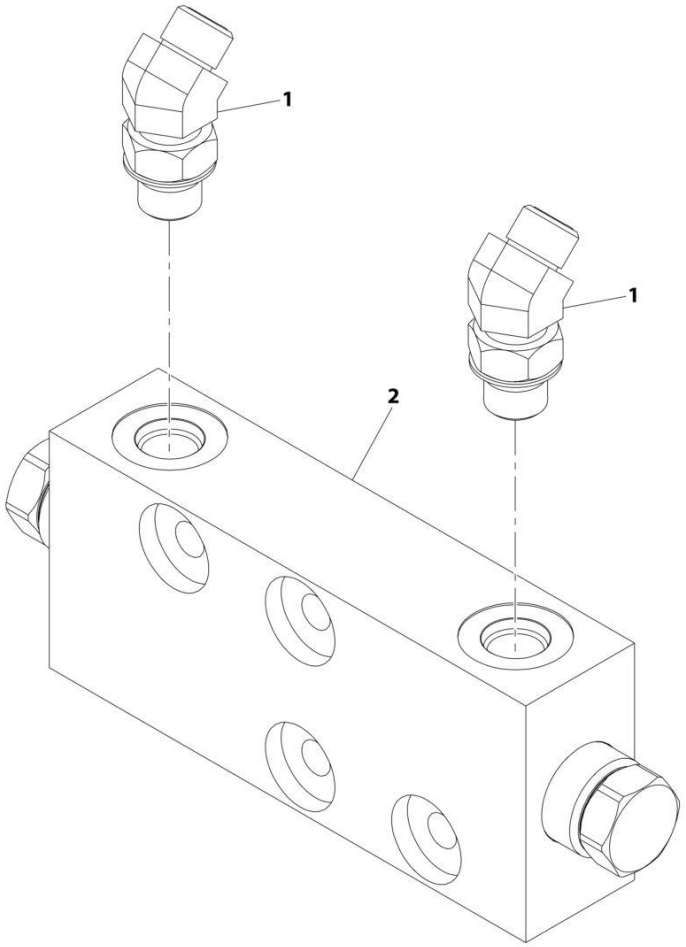


FIGURE 8-30. FRAME LEVEL CYLINDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201074	Ref	Frame Level Cylinder Installation	B
1	0700818	4	Bolt, M8X50	
3	4811900	4	Washer, M8	
5	1001201073	1	Cylinder, Frame Level (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
6	1001217482	1	Assembly, Frame Level Valve (See Separate Breakdown in this Section)	

FIGURE 8-31. FRAME LEVEL COUNTERBALANCE VALVE/FITTINGS ASSEMBLY

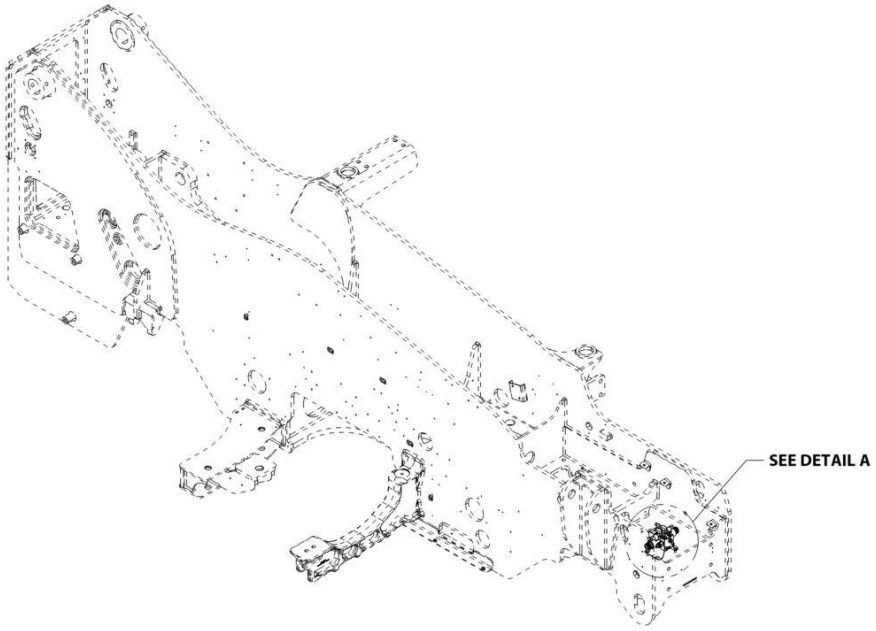


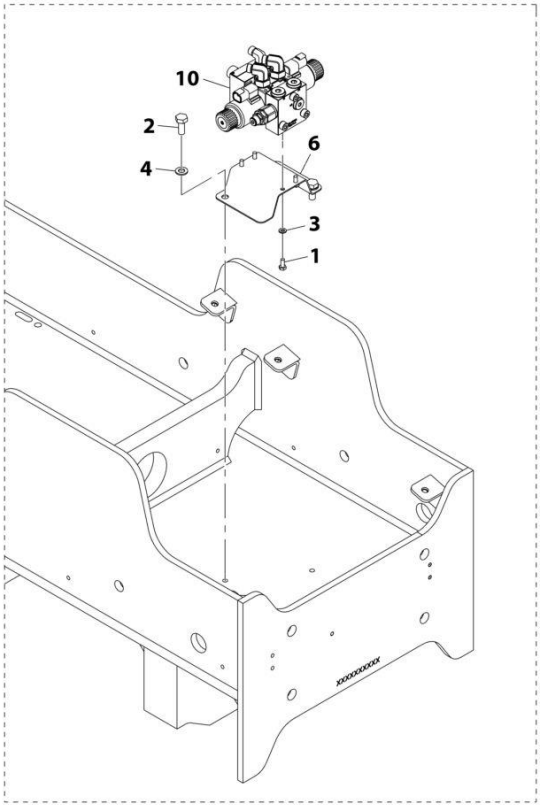
ART_1001217482-A

FIGURE 8-31. FRAME LEVEL COUNTERBALANCE VALVE/FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217482	Ref	Frame Level Valve Assembly	A
1	2150406	2	Fitting, 45 ORFS	
2	1001168599	1	Valve, Counterbalance (See Separate Breakdown in the HYDRAULIC COMPONENTS Section)	

FIGURE 8-32. FRAME LEVEL CONTROL VALVE INSTALLATION





DETAIL A

ART_1001193517-D

FIGURE 8-32. FRAME LEVEL CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193517	Ref	Frame Level Valve Installation	D
1	0760607	4	Bolt, M6X14	
2	0761012	2	Bolt, M10X25	
3	4811700	4	Washer, M6	
4	4812000	2	Washer, M10	
6	1001195733	1	Bracket	
10	1001215341	1	Assembly, Frame Level Valve (See Separate Breakdown in this Section)	

FIGURE 8-33. FRAME LEVEL CONTROL VALVE/FITTINGS ASSEMBLY

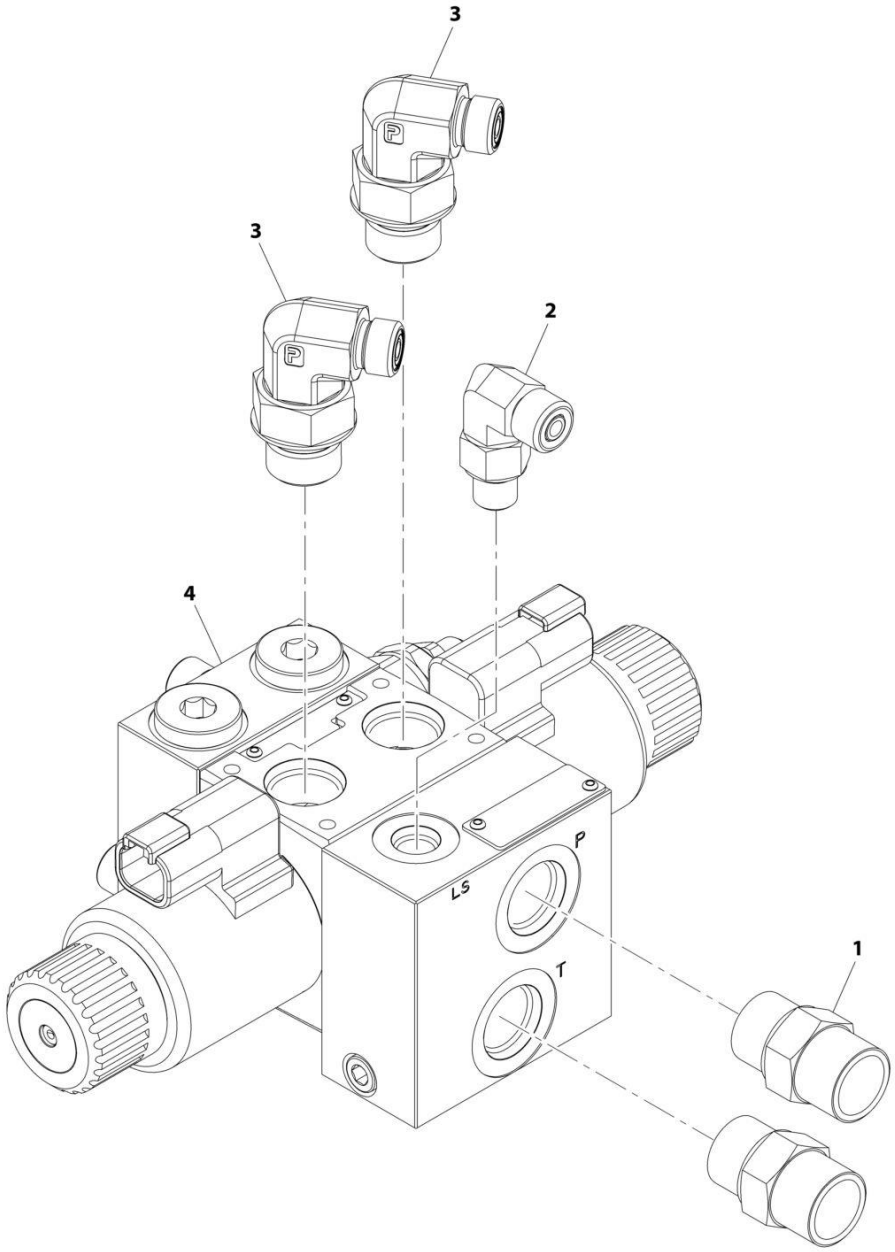


FIGURE 8-33. FRAME LEVEL CONTROL VALVE/FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215341	Ref	Frame Level Valve Assembly	B
1	2110808	2	Fitting, Straight ORFS	
2	2130404	1	Fitting, 90 ORFS	
3	2130408	2	Fitting, 90 ORFS	
4	1001219615	1	Valve, Frame Level (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 8-34. MAIN CONTROL VALVE INSTALLATION

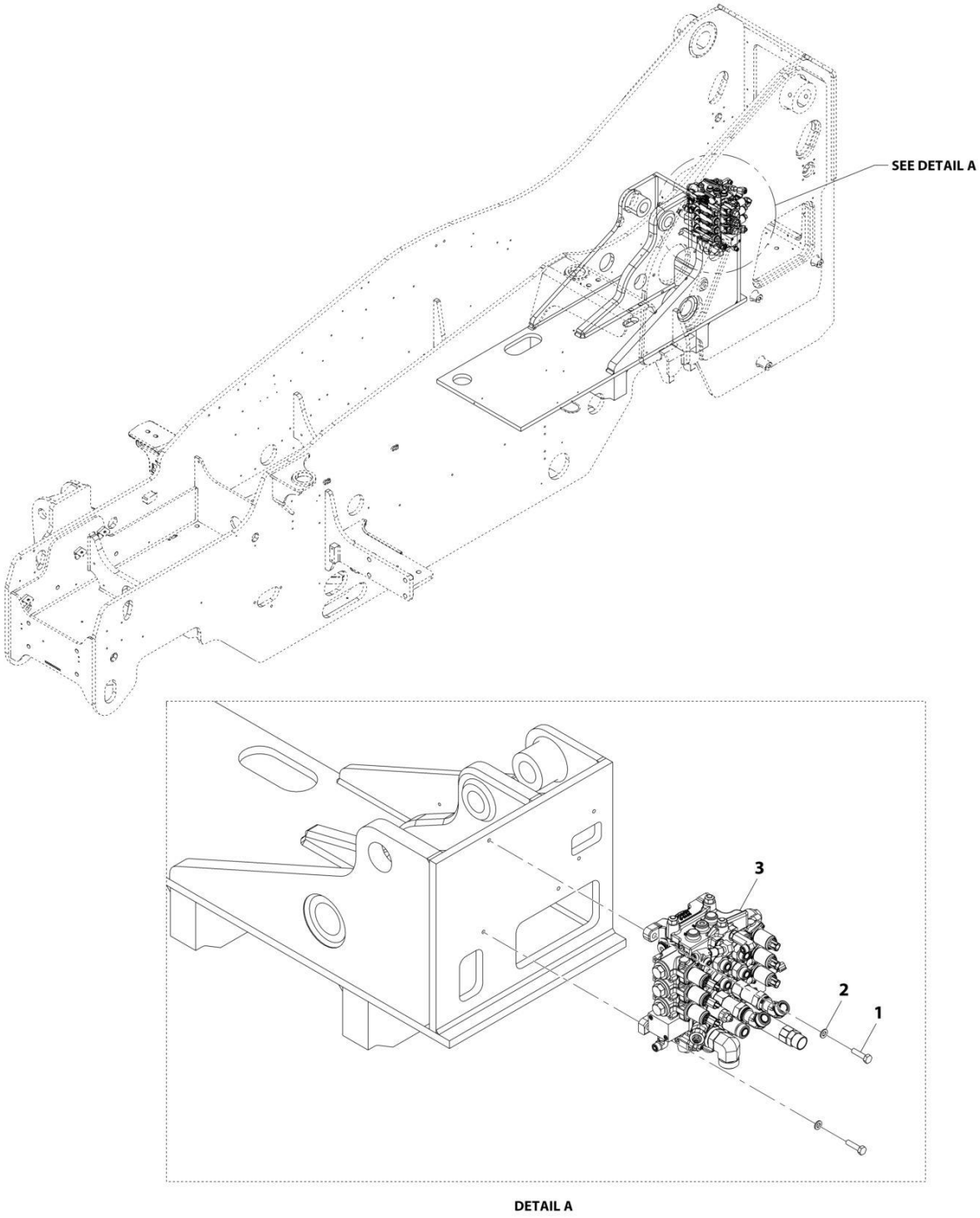


FIGURE 8-34. MAIN CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192889	Ref	Main Control Valve Installation	C
1	0701016	3	Bolt, M10X40	
2	4812000	3	Washer, M10	
3	1001192890	1	Assembly, Main Control Valve (See Separate Breakdown in this Section)	

FIGURE 8-35. MAIN CONTROL VALVE/FITTINGS ASSEMBLY

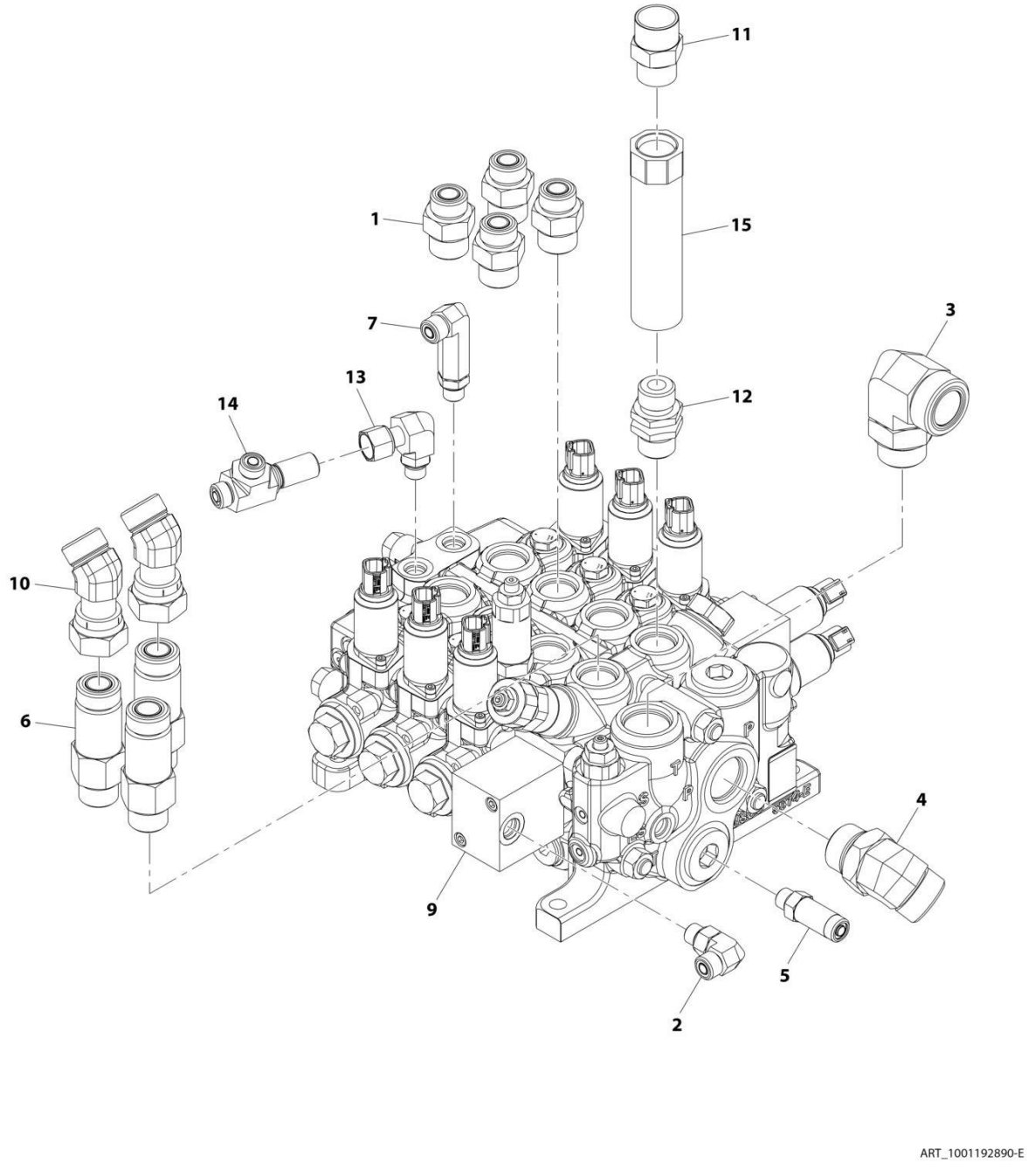
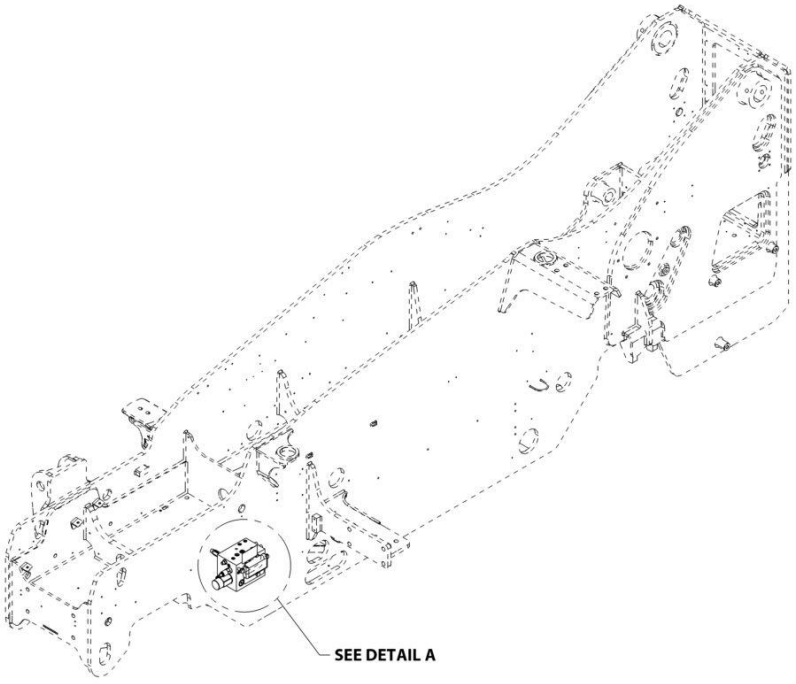
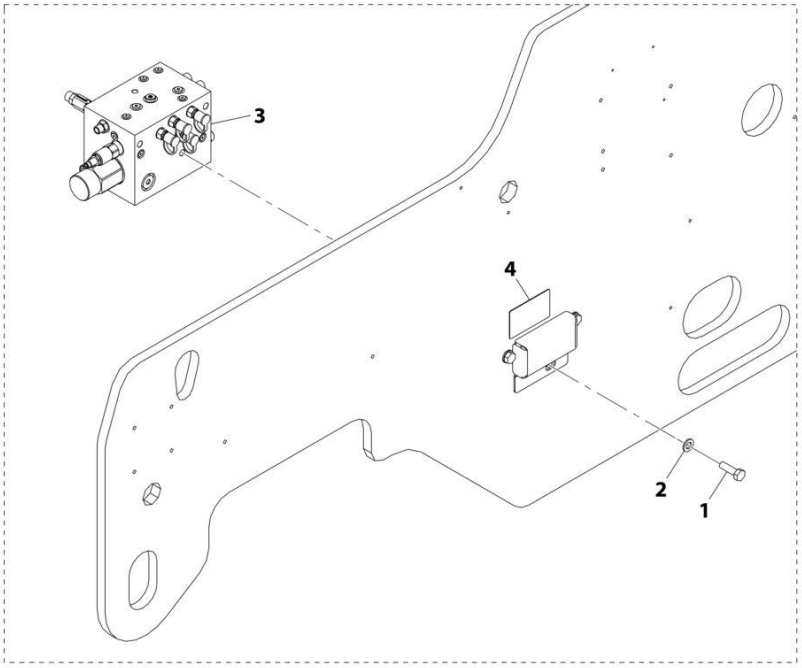


FIGURE 8-35. MAIN CONTROL VALVE/FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192890	Ref	Main Control Valve Assembly	E
1	2111012	4	Fitting, Straight ORFS	
2	2130606	1	Fittiing, 90 ORFS	
3	2132016	1	Fitting, 90 ORFS	
4	2151616	1	Fitting, 45 ORFS	
5	2170106	1	Fitting, Straight ORFS	
6	2170112	3	Fitting, Straight ORFS	
7	2170206	1	Fitting, 90 ORFS	
9	1001241880	1	Valve, Main Control (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	1001151238	2	Fitting, 45 ORFS	
11	2111212	1	Fitting, Straight ORFS	
12	8770030	1	Fitting, Straight ORFS	
13	8770104	1	Fitting, 90 ORFS	
14	8770286	1	Fitting, Tee ORFS	
15	1001224946	1	Vlave, Check	

FIGURE 8-36. PRIORITY VALVE INSTALLATION





DETAIL A

ART_1001192885-B

FIGURE 8-36. PRIORITY VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192885	Ref	Priority Manifold Installation	B
1	0701216	3	Bolt, M12X40	
2	4812100	3	Washer, M12	
3	1001192886	1	Assembly, Priority Valve (See Separate Breakdown in this Section)	
4	1001192887	1	Decal	

FIGURE 8-37. PRIORITY VALVE/FITTINGS ASSEMBLY

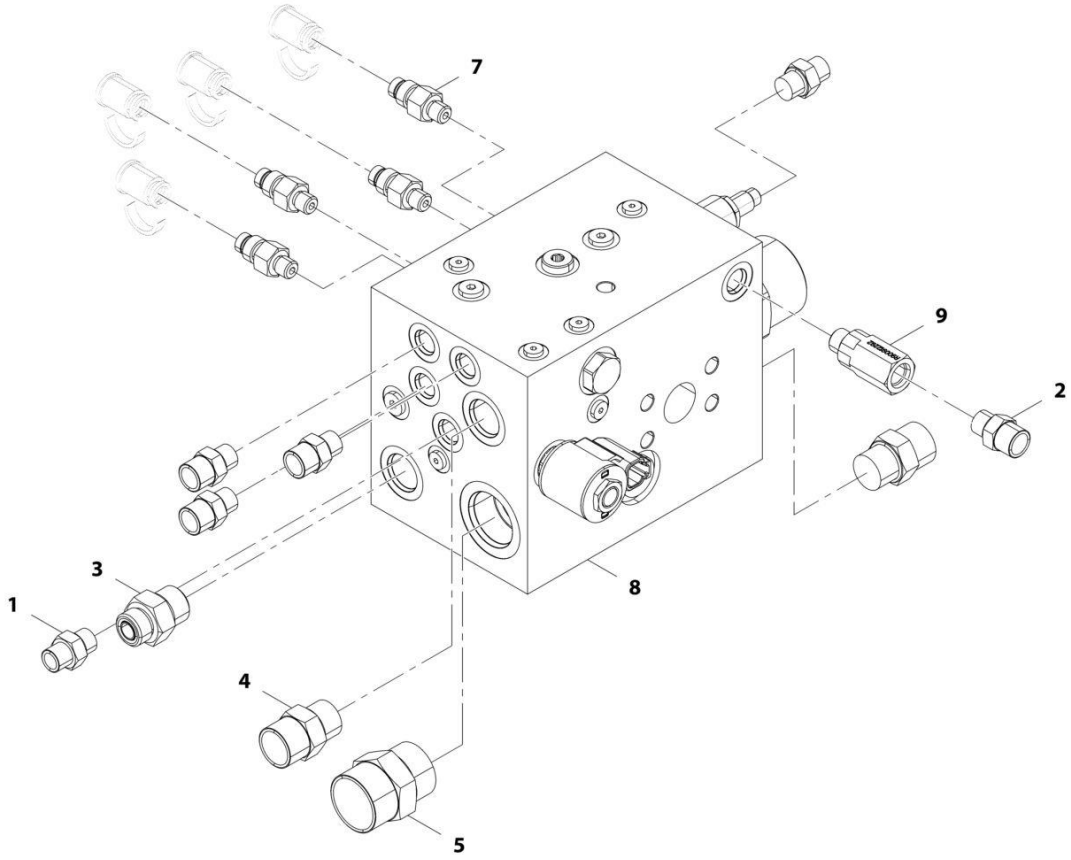


FIGURE 8-37. PRIORITY VALVE/FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192886	Ref	Priority Valve Assembly	D
1	2110406	2	Fitting, Straight ORFS	
2	2110606	4	Fitting, Straight ORFS	
3	2110810	1	Fitting, Straight ORFS	
4	2111010	2	Fitting, Straight ORFS	
5	2111616	1	Fitting, Straight ORFS	
7	8430033	4	Fitting, Straight	
8	1001192888	1	Assembly, Priority Valve (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
9	1001187355	1	Valve, Check	

FIGURE 8-38. REMOTE GREASE FITTINGS INSTALLATION

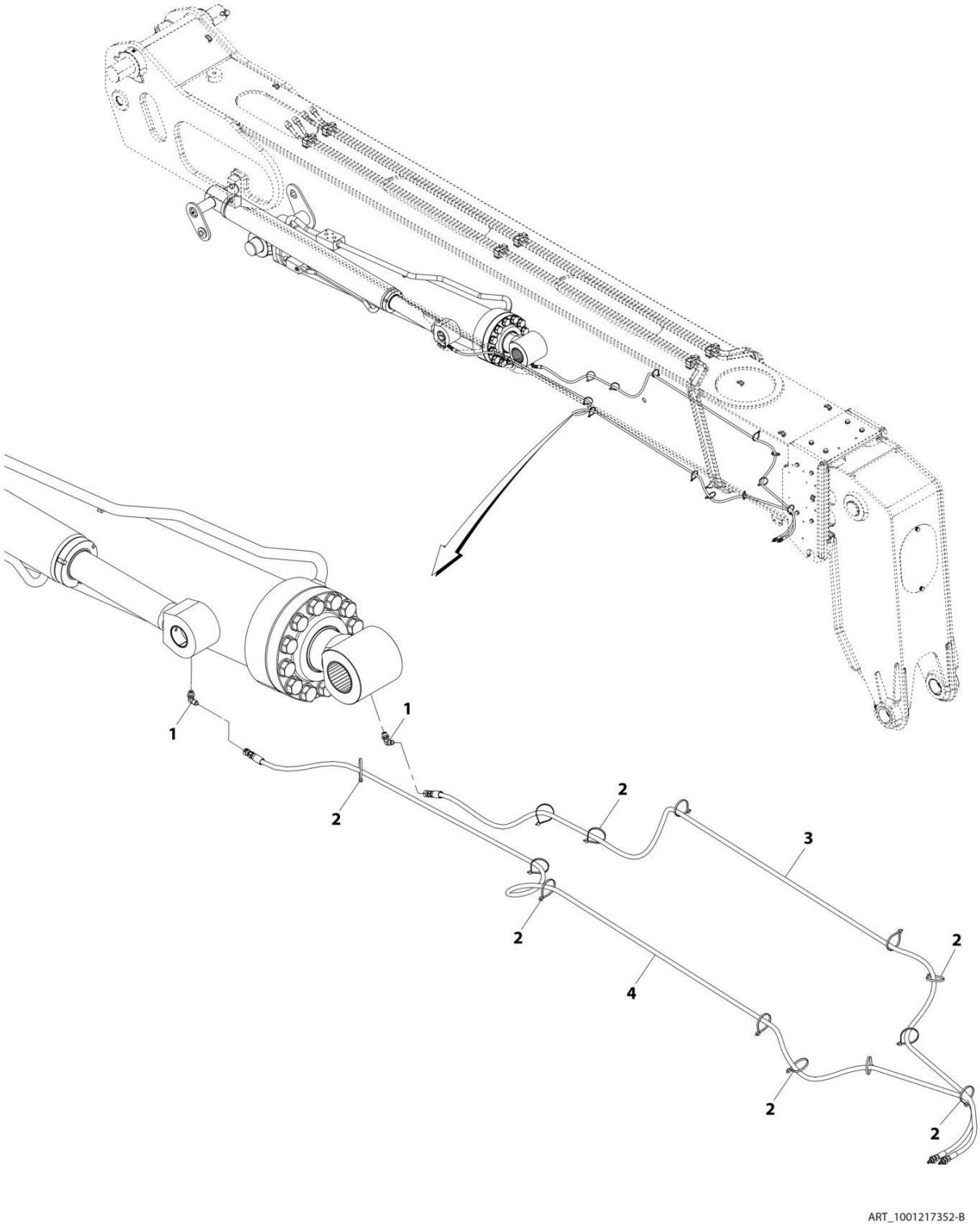


FIGURE 8-38. REMOTE GREASE FITTINGS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217352	Ref	Remote Grease Installation	B
1	8770215	2	Fitting, 90 ORFS	
2	1001008559	13	Strap, Cable	
3	1001217354	1	Hose	
4	1001217355	1	Hose	

FIGURE 8-39. SPEED CONTROL VALVE INSTALLATION

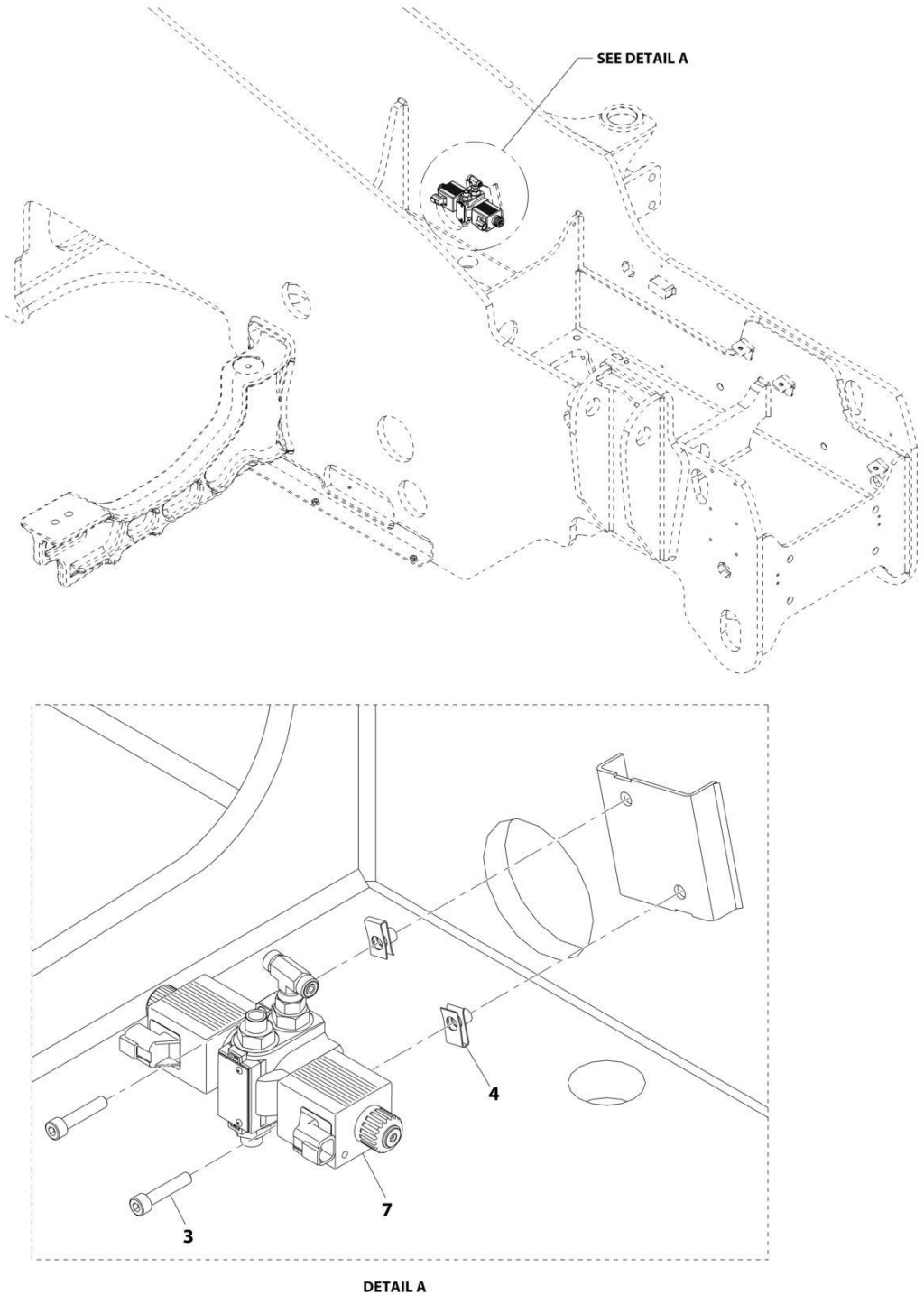


FIGURE 8-39. SPEED CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197196	Ref	Speed Control Valve Installation	B
3	4031912	2	Bolt, M8X40	
4	8310686	2	Nut, M8X12.5	
7	1001220643	1	Assembly, Speed Control Valve (See Separate Breakdown in this Section)	

FIGURE 8-40. SPEED CONTROL VALVE/FITTINGS ASSEMBLY

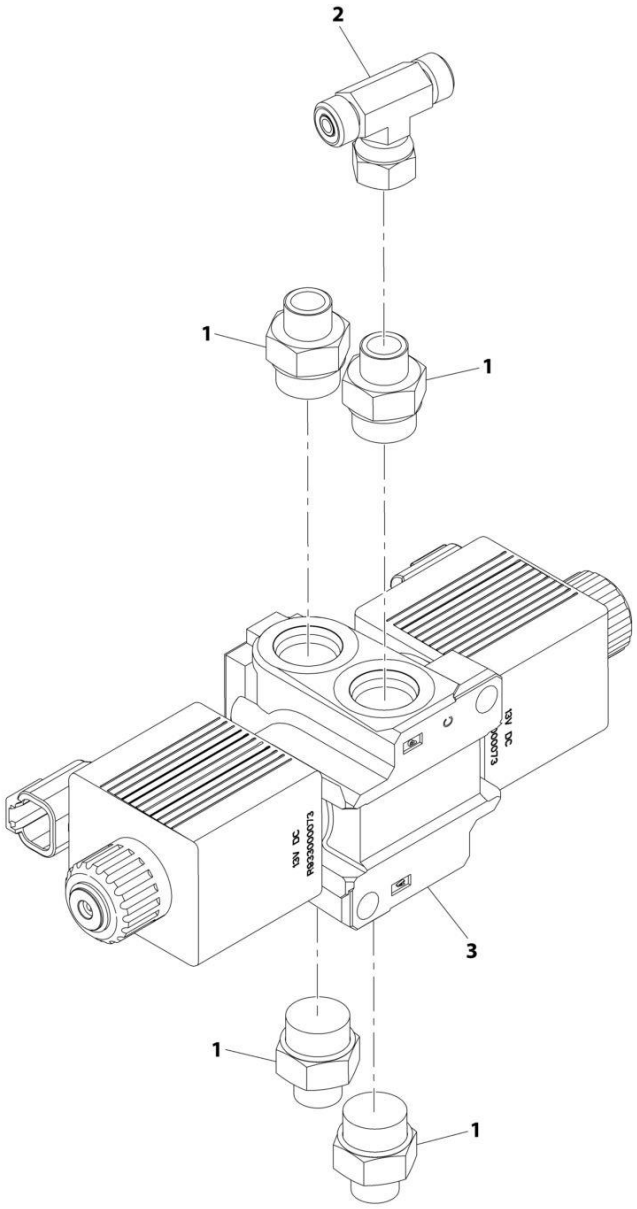


FIGURE 8-40. SPEED CONTROL VALVE/FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220643	Ref	Speed Control Valve Assembly	A
1	2110408	4	Fitting, Straight ORFS	
2	2170804	1	Fitting, Tee	
3	4641520	1	Valve, Speed Control (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 8-41. STEERING SELECT VALVE INSTALLATION

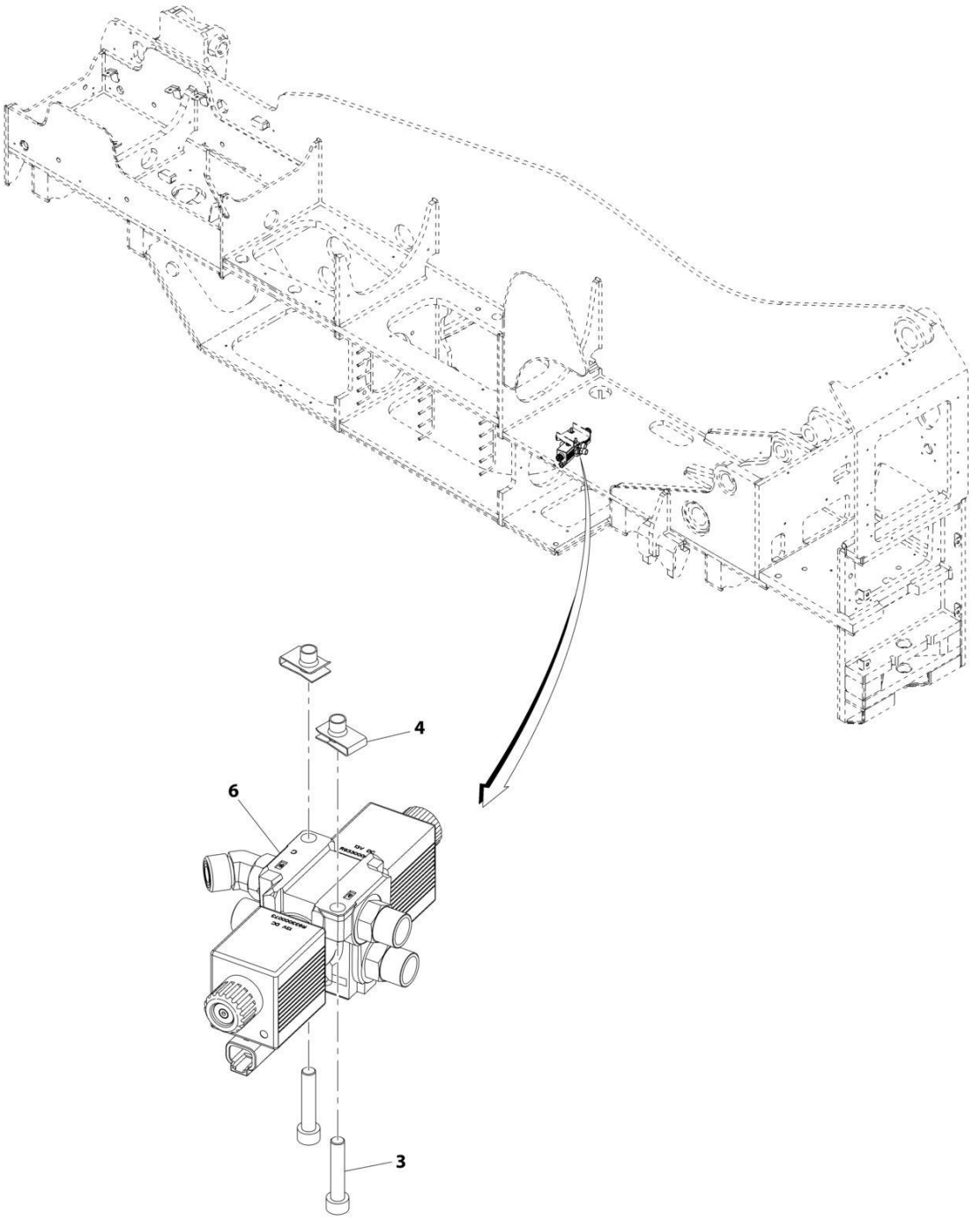


FIGURE 8-41. STEERING SELECT VALVE INSTALLATION

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 8-42. STEERING SELECT VALVE/FITTINGS ASSEMBLY

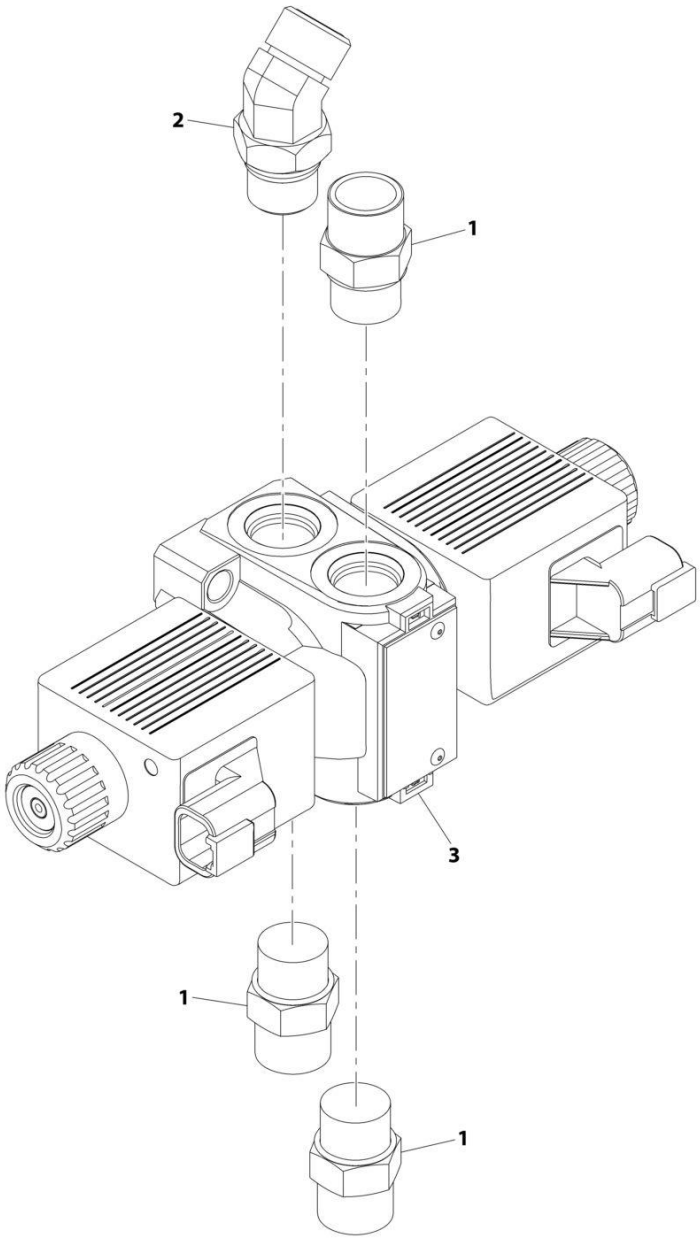


FIGURE 8-42. STEERING SELECT VALVE/FITTINGS ASSEMBLY

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 - BOOM LIFT & COMPENSATION CYLINDER

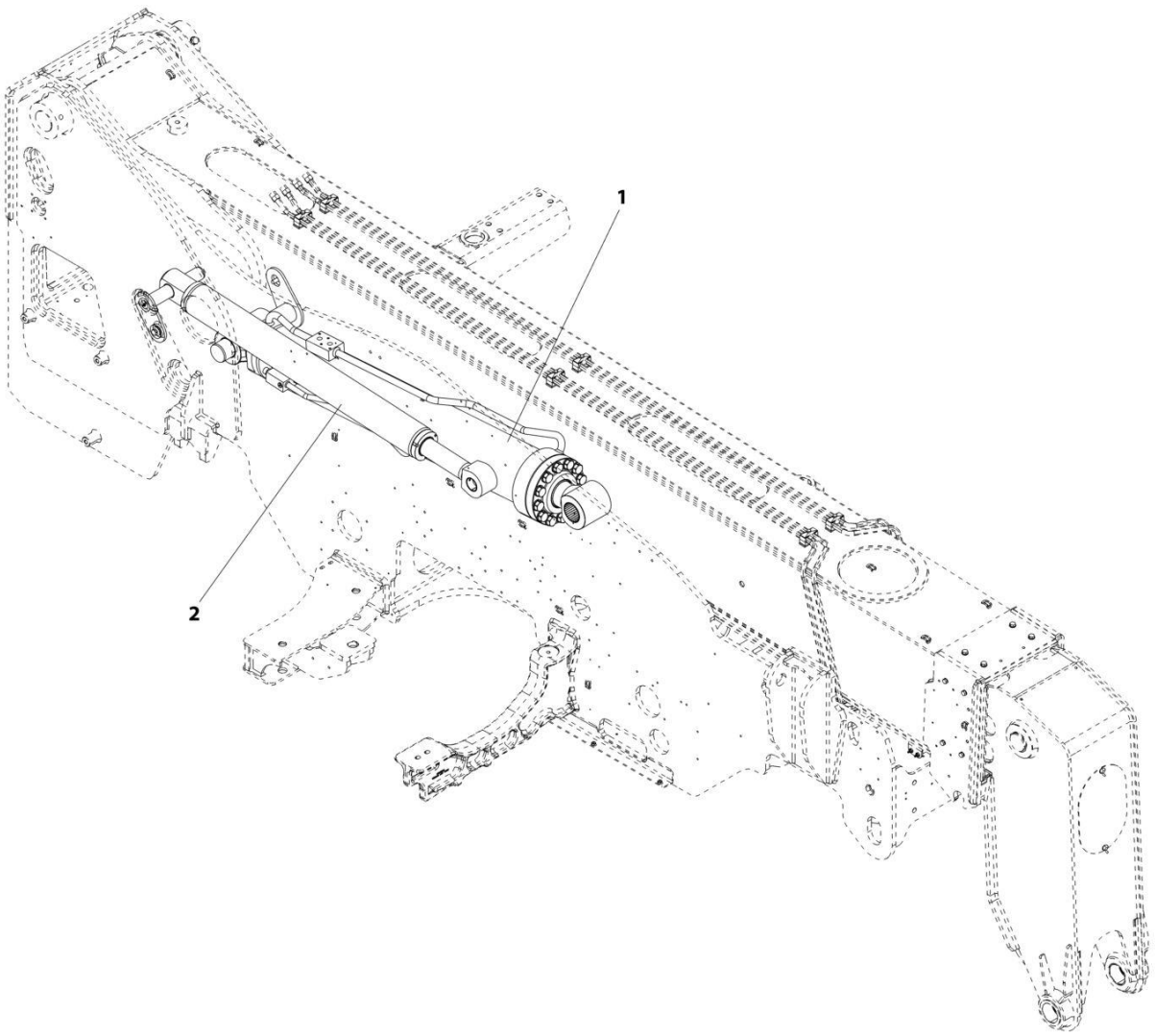


FIGURE 9-1. CYLINDER INSTALLATION - BOOM LIFT & COMPENSATION CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174107	Ref	Cylinder Group Installation	C
1	1001174126	Ref	Installation, Lift Cylinder (See Separate Breakdown in this Section)	
2	1001198578	Ref	Installation, Compensation Cylinder (See Separate Breakdown in this Section)	

FIGURE 9-2. CYLINDER INSTALLATION - BOOM LIFT

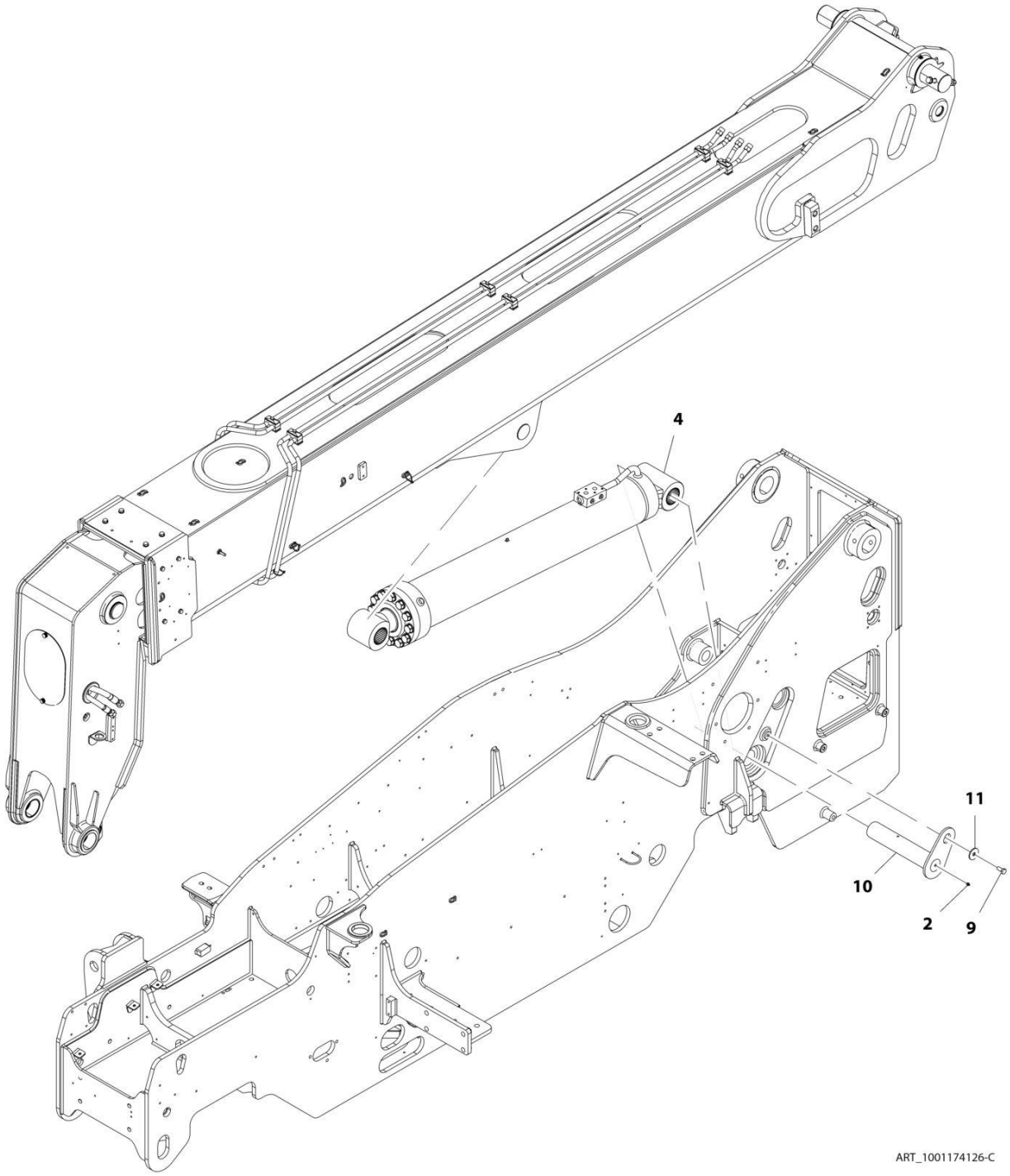


FIGURE 9-2. CYLINDER INSTALLATION - BOOM LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174126	Ref	Lift Cylinder Installation	C
2	2160016	1	Fitting, Grease	
4	1001174811	1	Cylinder, Lift (See Separate Breakdown in this Section)	
9	0771414	1	Bolt, M14X30 Grade 10.9	
10	1001216331	1	Pin	
11	1001217226	1	Washer	

FIGURE 9-3. CYLINDER ASSEMBLY - BOOM LIFT

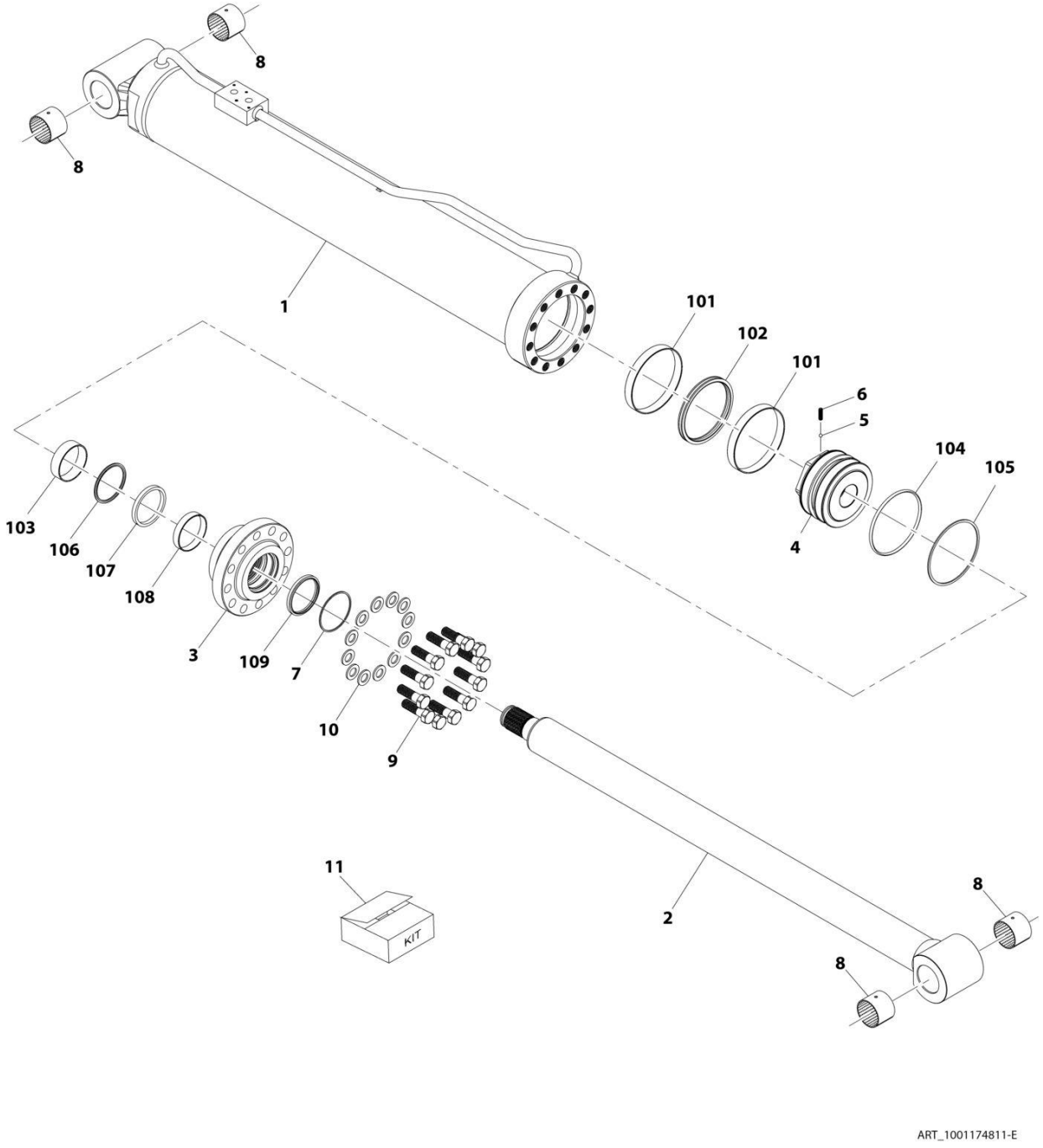


FIGURE 9-3. CYLINDER ASSEMBLY - BOOM LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174811	Ref	Lift Cylinder	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	70028306	1	Rod	
3	70028307	1	Head	
4	70028308	1	Piston	
5	70025614	1	Bearing	
6	70028309	1	Screw, Locking	
7	70025590	1	Ring, Snap	
8	70028310	4	Bushing	
9	70028311	12	Bearing	
10	70028312	12	Washer	
11	70028313	1	Kit, Seal (includes items 101 thru 109)	
101	Kit	2	Ring, Wear	
102	Kit	1	Seal, Piston	
103	Kit	1	Ring, Wear	
104	Kit	1	O-Ring	
105	Kit	1	Ring, Back-up	
106	Kit	1	Seal, Rod	
107	Kit	1	Seal, Rod	
108	Kit	1	Ring, Wear	
109	Kit	1	Wiper	

FIGURE 9-4. CYLINDER INSTALLATION - BOOM COMPENSATION

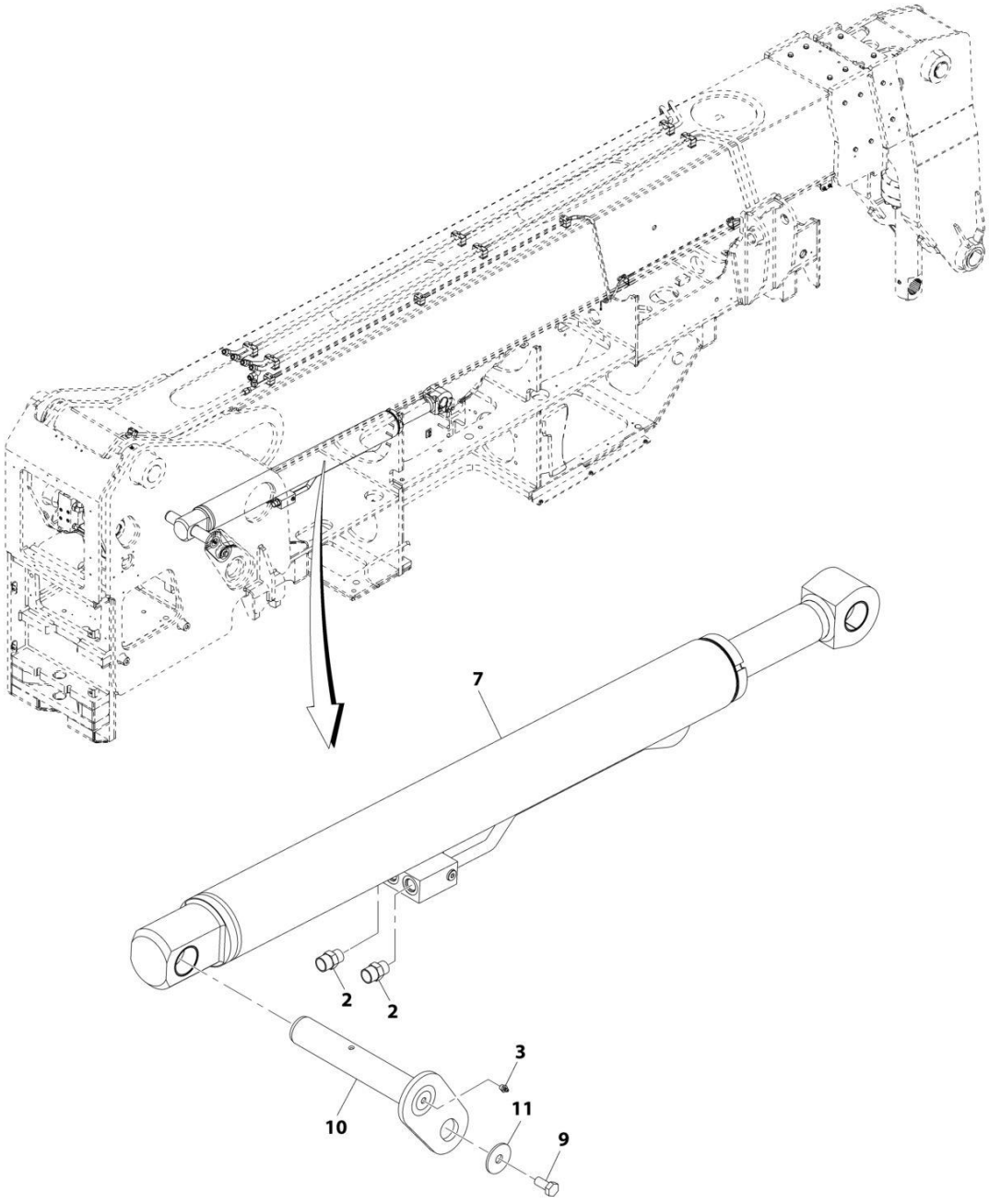


FIGURE 9-4. CYLINDER INSTALLATION - BOOM COMPENSATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001198578	Ref	Compensation Cylinder Installation	C
2	2111010	2	Fitting, Straight ORFS	
3	2160016	1	Fitting, Grease	
7	1001198717	1	Cylinder, Compensation (See Separate Breakdown in this Section)	
9	0771414	1	Bolt, M14X30	
10	1001216333	1	Pin	
11	1001217226	1	Washer	

FIGURE 9-5. CYLINDER ASSEMBLY - BOOM COMPENSATION

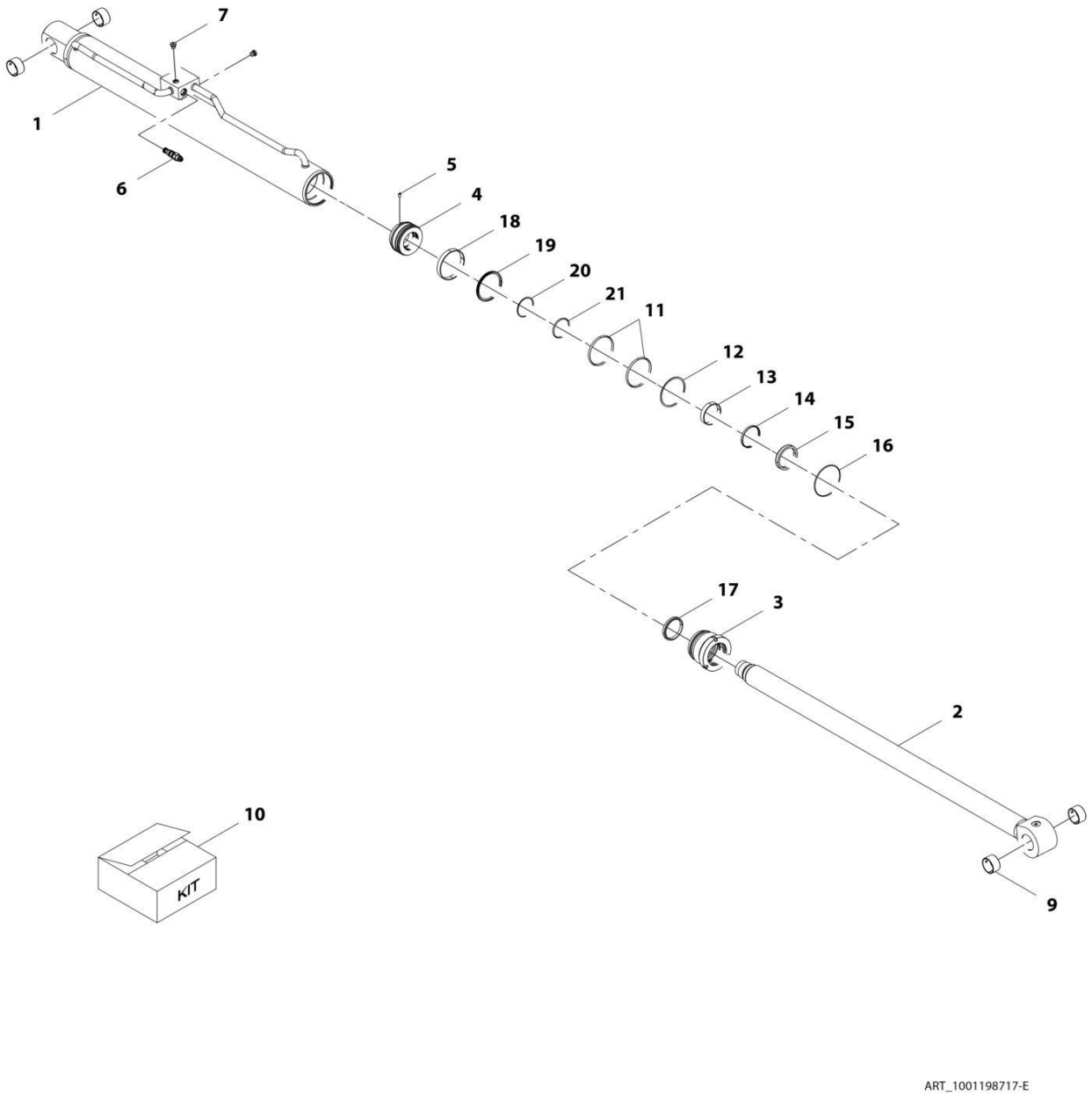


FIGURE 9-5. CYLINDER ASSEMBLY - BOOM COMPENSATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001198717	Ref	Cylinder, Compensation	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	70028376	1	Rod	
3	70028377	1	Guide, Rod	
4	70028378	1	Piston	
5	70026838	1	Screw	
6	70028384	1	Valve	
7	70028379	2	Plug	
9	70020476	4	Bushing	
10	70028380	1	Kit, Seal (includes items 11 thru 21)	
11	Kit	2	O-Ring	
12	Kit	1	Ring, Backup	
13	Kit	1	Bearing	
14	Kit	1	Buffer	
15	Kit	1	O-Ring	
16	Kit	1	Seal, Rod	
17	Kit	1	Wiper	
18	Kit	1	Bearing	
19	Kit	1	Seal, Piston	
20	Kit	1	Ring, Backup	
21	Kit	1	O-Ring	

FIGURE 9-6. CYLINDER INSTALLATION - BOOM EXTEND/RETRACT CYLINDER

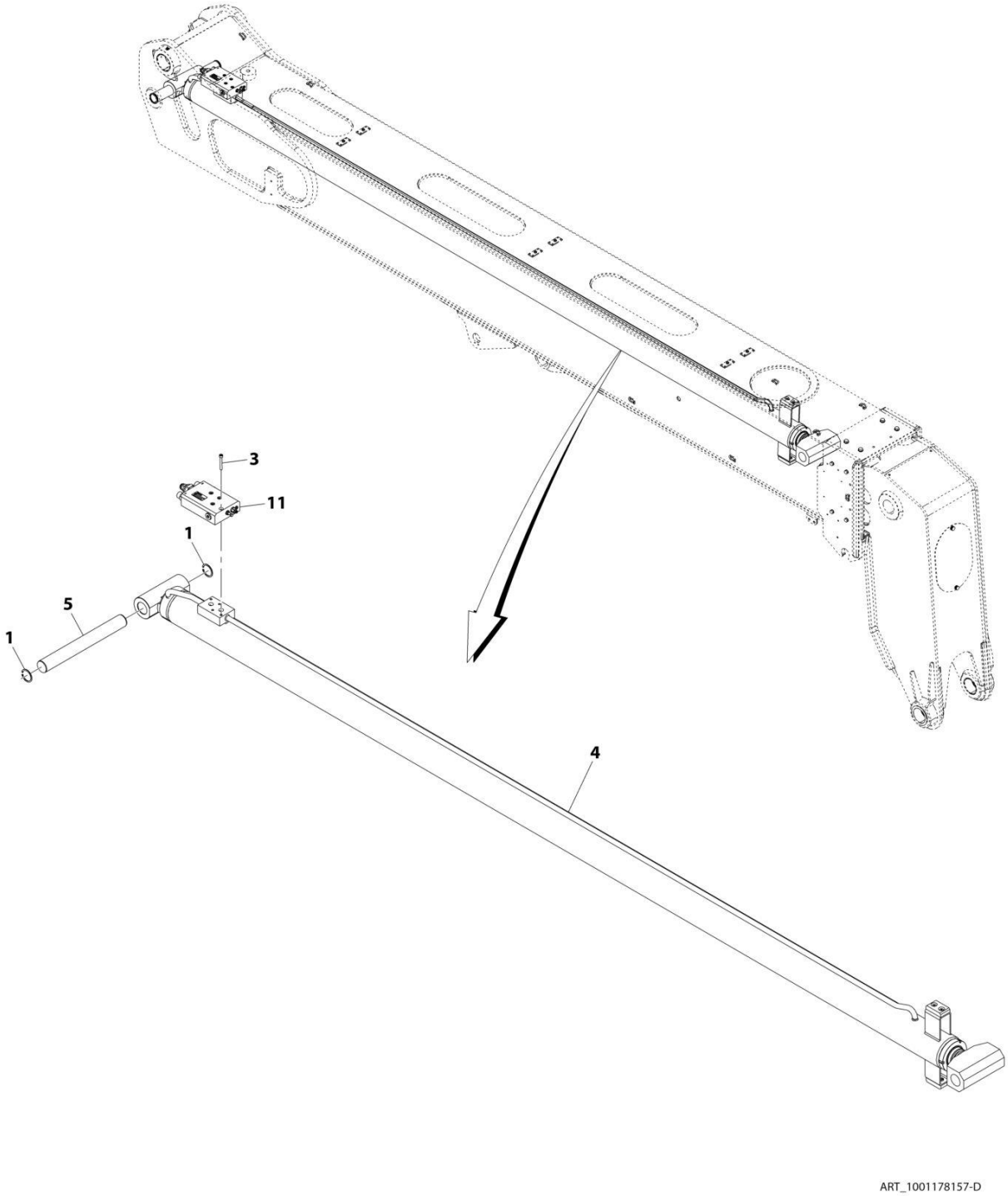


FIGURE 9-6. CYLINDER INSTALLATION - BOOM EXTEND/RETRACT CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178157	Ref	Extend/Retract Cylinder Installation	D
1	314689	2	Ring, Retaining	
3	4031916	4	Bolt, M8X60	
4	1001174814	1	Cylinder, Extend/Retract (See Separate Breakdown in this Section)	
5	1001190259	1	Pin	
11	1001212312	1	Counterbalance Valve & Fittings Sub-Assembly (see Separate Breakdown in this Section)	

FIGURE 9-7. CYLINDER ASSEMBLY - BOOM EXTEND/RETRACT CYLINDER

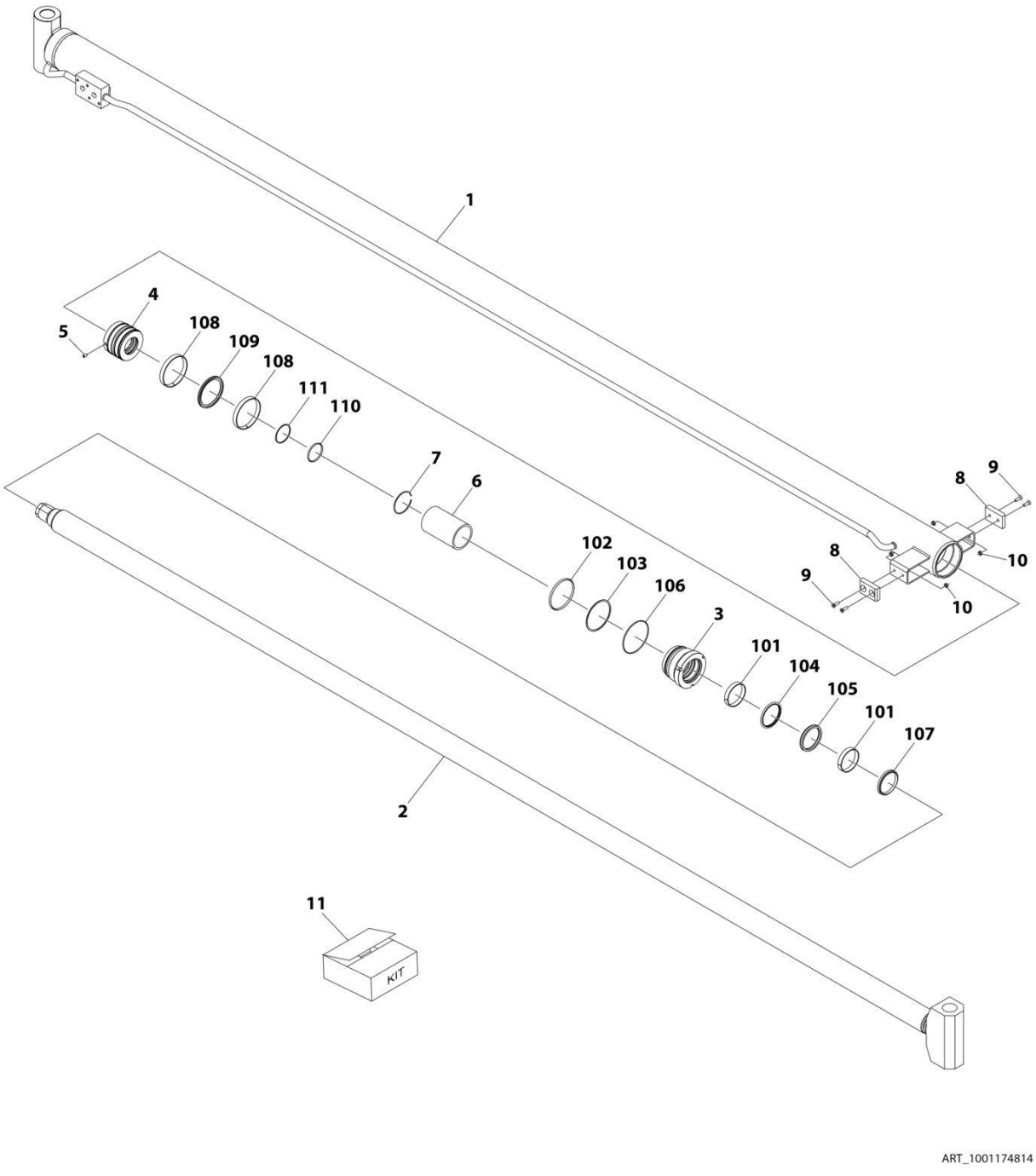


FIGURE 9-7. CYLINDER ASSEMBLY - BOOM EXTEND/RETRACT CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174814	Ref	EXTEND/RETRACT CYLINDER	I
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Purchase Complete Assembly)	
2	70028371	1	Rod	
3	70028372	1	Head	
4	70026408	1	Piston	
5	70020438	1	Screw	
6	70026407	1	Spacer	
7	70026411	1	Ring	
8	70027811	2	Pad, Wear	
9	70028373	4	Screw	
10	70028374	4	Nut	
11	70028375	1	Seal kit (includes items 101 thru 111)	
101	Kit	NSS	Bearing (Purchase Item 11)	
102	Kit	NSS	O-Ring (Purchase Item 11)	
103	Kit	NSS	Ring, Backup (Purchase Item 11)	
104	Kit	NSS	Ring, Wear (Purchase Item 11)	
105	Kit	NSS	Seal, Rod (Purchase Item 11)	
106	Kit	NSS	O-Ring (Purchase Item 11)	
107	Kit	NSS	Wiper (Purchase Item 11)	
108	Kit	NSS	Bearing (Purchase Item 11)	
109	Kit	NSS	Seal, Piston (Purchase Item 11)	
110	Kit	NSS	O-Ring (Purchase Item 11)	
111	Kit	NSS	Ring, Backup (Purchase Item 11)	

FIGURE 9-8. CYLINDER ASSEMBLY - BOOM TILT

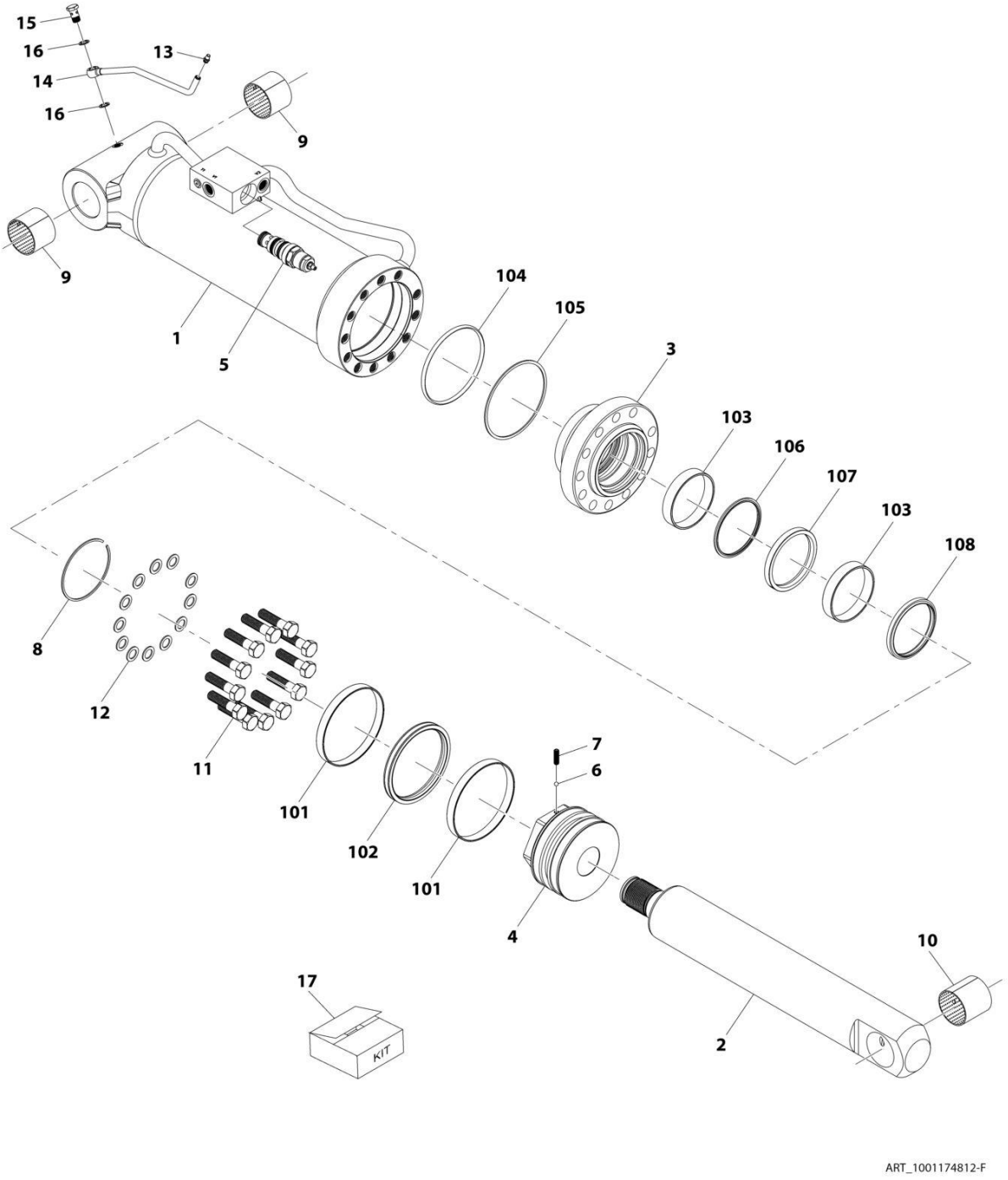


FIGURE 9-8. CYLINDER ASSEMBLY - BOOM TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174812	Ref	Tilt 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	70028314	1	Rod	
3	70028315	1	Piston	
4	70028316	1	Head	
5	70028317	1	Valve, Counterbalance	
6	70025614	1	Bearing	
7	70028309	1	Screw, Locking	
8	70028318	1	Ring, Snap	
9	70028310	2	Bushing	
10	70028319	1	Bushing	
11	70028320	12	Bolt	
12	70028321	12	Washer	
13	70029941	2	Fitting, Grease	
14	70028322	1	Pipe	
15	70024035	1	Screw	
16	70028323	2	Washer	
17	70028324	1	Kit, Seal (includes items 101 thru 108)	
101	Kit	2	Ring, Piston	
102	Kit	1	Seal, Piston	
103	Kit	2	Ring, Rod	
104	Kit	1	"O" Ring	
105	Kit	1	Ring, Back-Up	
106	Kit	1	Seal, Rod	
107	Kit	1	Seal, Rod	
108	Kit	1	Wiper	

FIGURE 9-9. CYLINDER ASSEMBLY - BUCKET (4 IN 1 BUCKET)

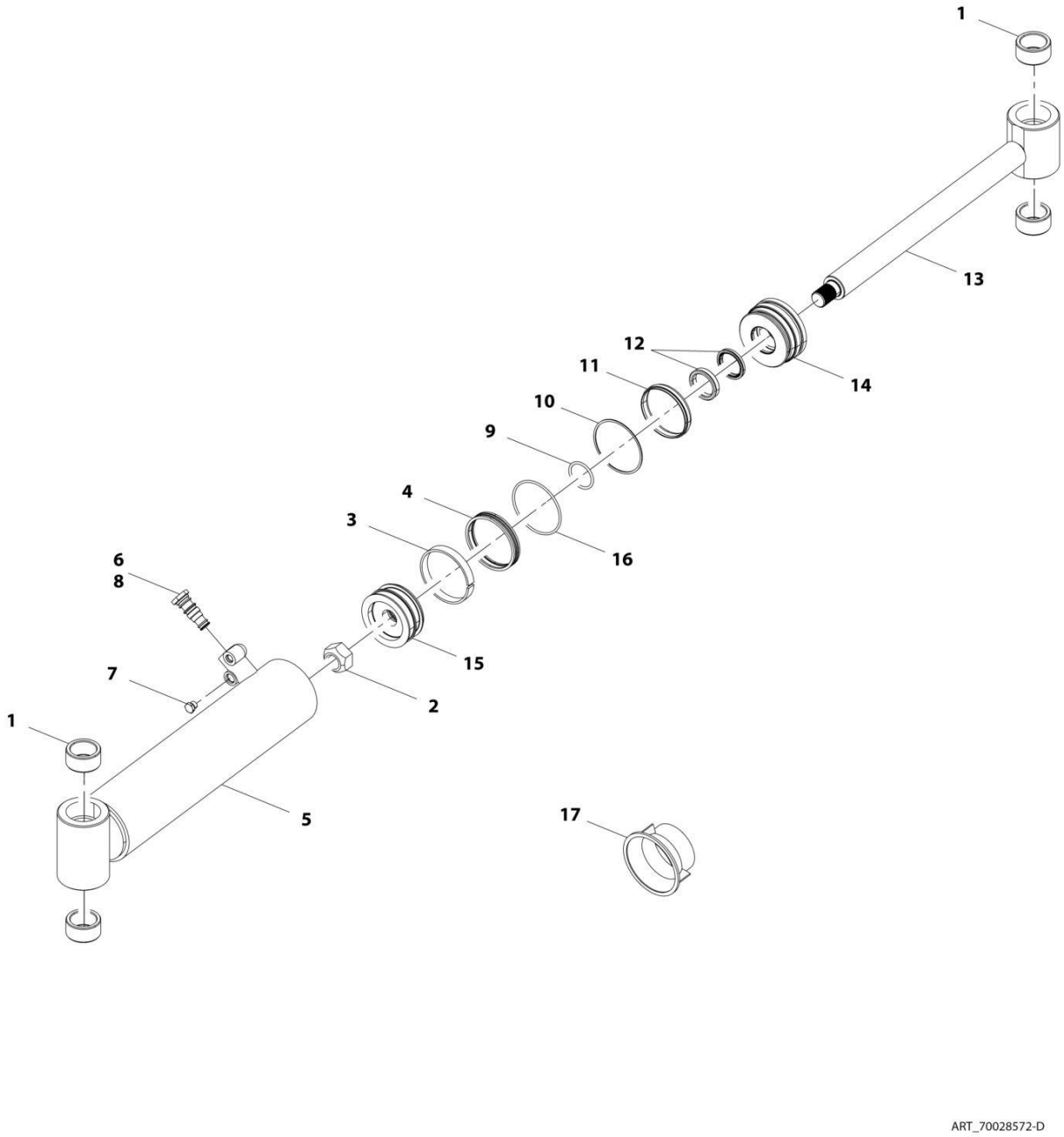


FIGURE 9-9. CYLINDER ASSEMBLY - BUCKET (4 IN 1 BUCKET)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70028572	Ref	Cylinder Assembly	D
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	70028581	4	Bearing	
2	70028582	1	Nut	
3	N.S.S.	1	Ring, Wear	
4	N.S.S.	1	Seal	
5	N.S.S.	1	Assembly, Barrel	
6	Kit	1	Kit, Check Valve	
7	70028583	1	Fitting, Straight	
8	70028584	1	Valve, Check	
9	N.S.S.	1	O-Ring	
10	N.S.S.	1	Ring, Back-up	
11	N.S.S.	1	Seal	
12	N.S.S.	2	Wiper	
13	70028585	1	Rod	
14	70028586	1	Retainer	
15	70028587	1	Piston	
16	N.S.S.	1	O-Ring	
17	70028588	1	Tool, Seal Loader	

FIGURE 9-10. CYLINDER ASSEMBLY - BUCKET (GRAPPLE BUCKET)

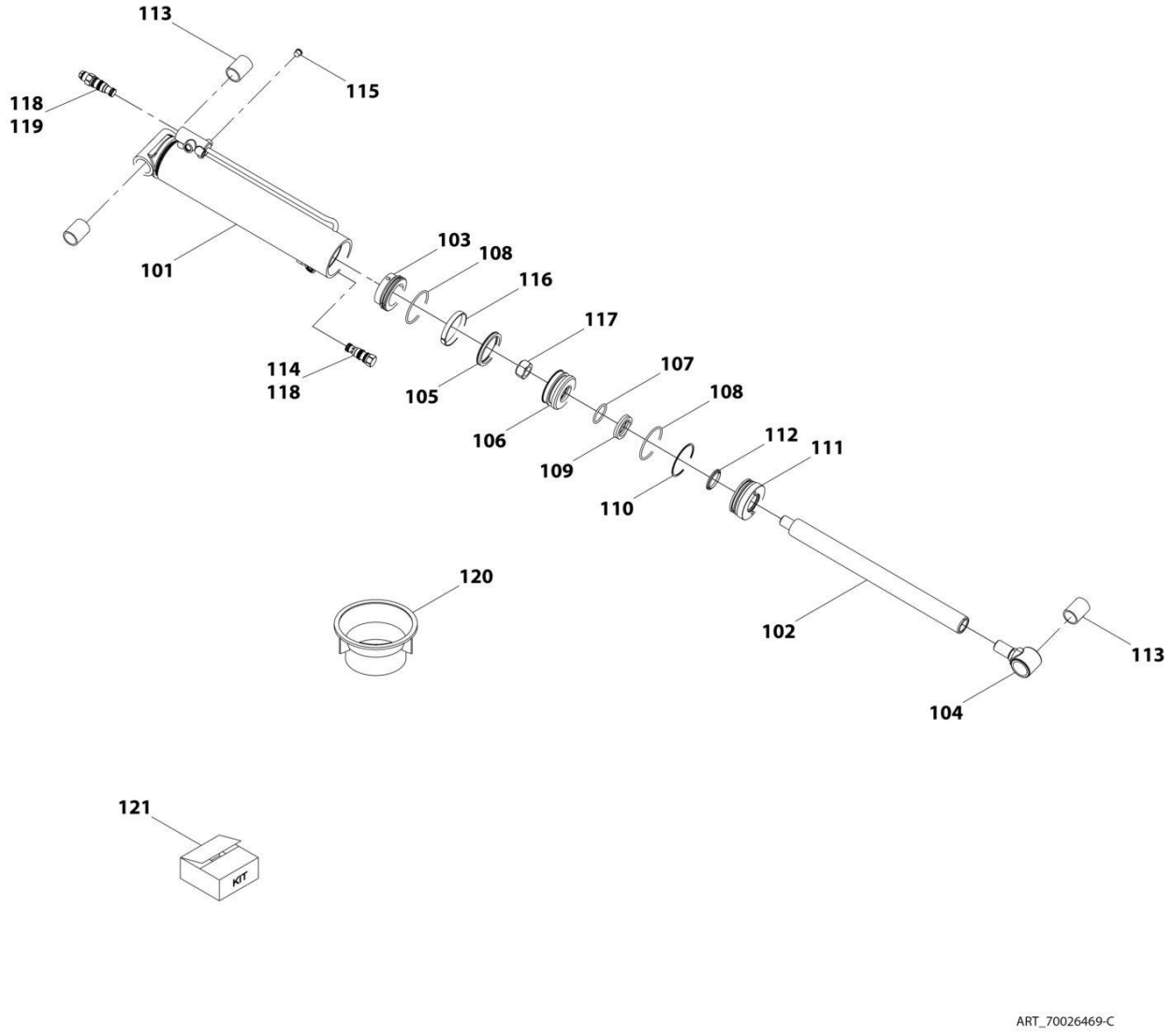


FIGURE 9-10. CYLINDER ASSEMBLY - BUCKET (GRAPPLE BUCKET)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70026469	Ref	Cylinder Assembly	C
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
101	N.S.S.	1	Barrel	
102	70026496	1	Rod	
103	70026497	1	Spacer	
104	70026498	1	End, Rod	
105	Kit	1	Seal	
106	70026499	1	Piston	
107	Kit	1	O-Ring	
108	Kit	2	O-Ring	
109	Kit	1	Ring, Backup	
110	Kit	1	Seal	
111	70026500	1	Retainer	
112	Kit	1	Wiper	
113	70026501	3	Bushing	
114	70026502	1	Valve, Check	
115	70024129	4	Plug	
116	Kit	1	Ring, Wear	
117	70026503	1	Nut	
118	70024734	2	Kit, Check Valve Service	
119	70026504	1	Valve, Counterbalance	
120	70026505	1	Tool, Seal Loader	
121	70026506	1	Kit, Service	

FIGURE 9-11. CYLINDER ASSEMBLY - CARRIAGE (LOG HANDLER CYLINDER)

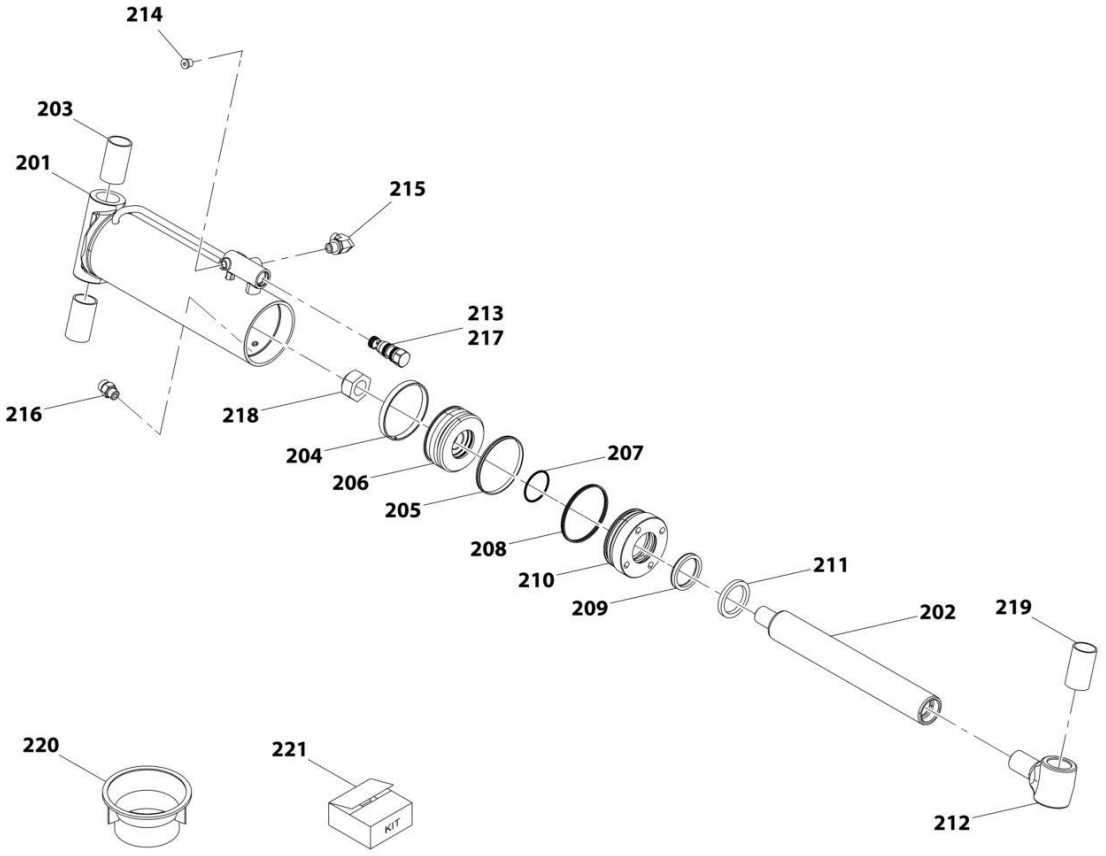


FIGURE 9-11. CYLINDER ASSEMBLY - CARRIAGE (LOG HANDLER CYLINDER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70028704	Ref	Log Handler Carriage Cylinder Assembly	C
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
201	N.S.S.	1	Barrel	
202	70028728	1	Rod	
203	70028729	2	Bushing	
204	N.S.S.	1	Ring, Wear	
205	N.S.S.	1	Seal	
206	70028730	1	Piston	
207	N.S.S.	1	O-Ring	
208	N.S.S.	1	Seal	
209	N.S.S.	1	Seal	
210	70028731	1	Retainer	
211	N.S.S.	1	Wiper	
212	N.S.S.	1	End, Rod (included with item 202)	
213	70024733	1	Valve, Check	
214	70024129	2	Plug	
215	70024123	1	Fitting, 90	
216	70024130	1	Fitting, Straight	
217	70024734	1	Kit, Check Valve	
218	70028732	1	Nut	
219	70028729	1	Bushing (included with item 202)	
220	70028588	1	Tool, Seal Loader	
221	70028733	1	Kit, Seal (includes items 204, 205, 207, 208, 208, 211, 220)	

FIGURE 9-12. CYLINDER ASSEMBLY - COUPLER LOCKING

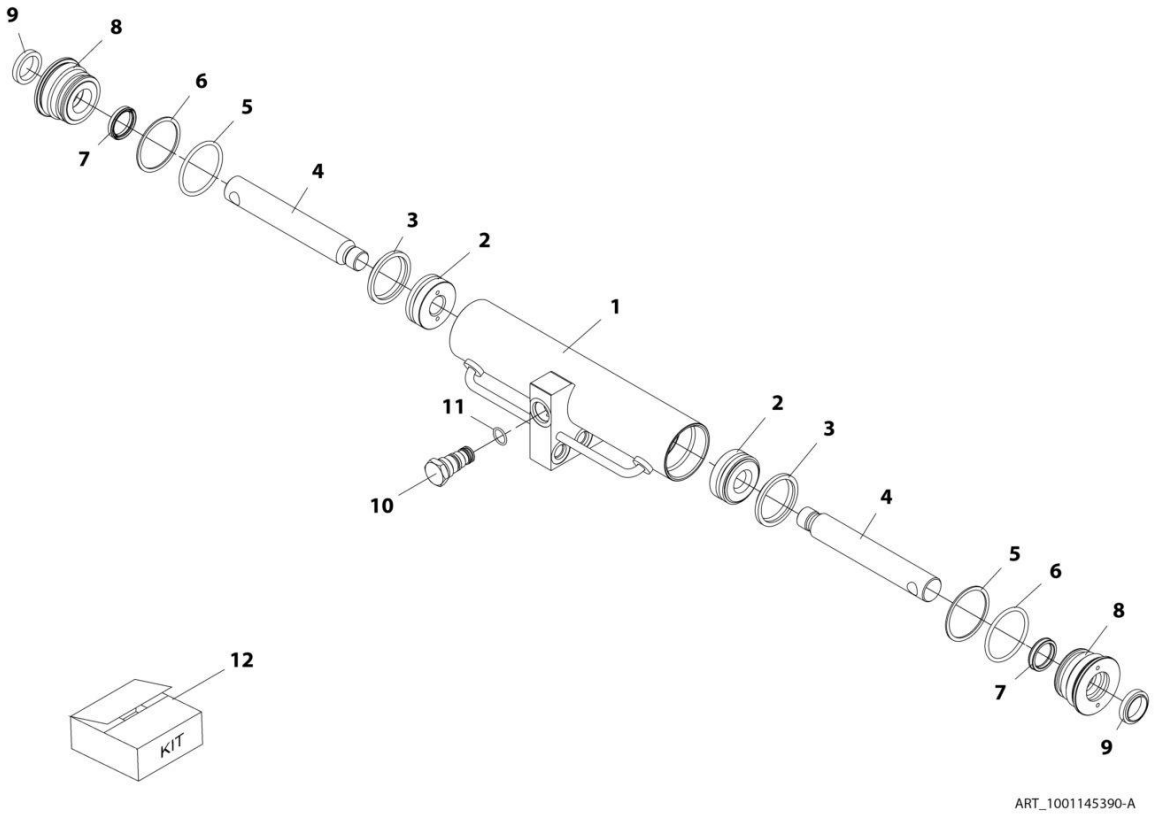


FIGURE 9-12. CYLINDER ASSEMBLY - COUPLER LOCKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001145390	Ref	Coupler Locking Cylinder	A
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	70024164	2	Body	
2	70024165	2	Piston	
3	Kit	2	Seal, Piston	
4	70024166	2	Rod	
5	Kit	2	O-Ring	
6	Kit	2	Ring, Backup	
7	Kit	2	Seal, Rod	
8	70024167	2	Gland	
9	Kit	2	Seal, Wiper	
10	1001007056	1	Valve, Check	
11	91574001	1	Seal, Check Valve	
12	70024168	1	Kit, Seal (includes items 3, 5, 6, 7 & 9)	

FIGURE 9-13. CYLINDER ASSEMBLY - FORK POSITIONING

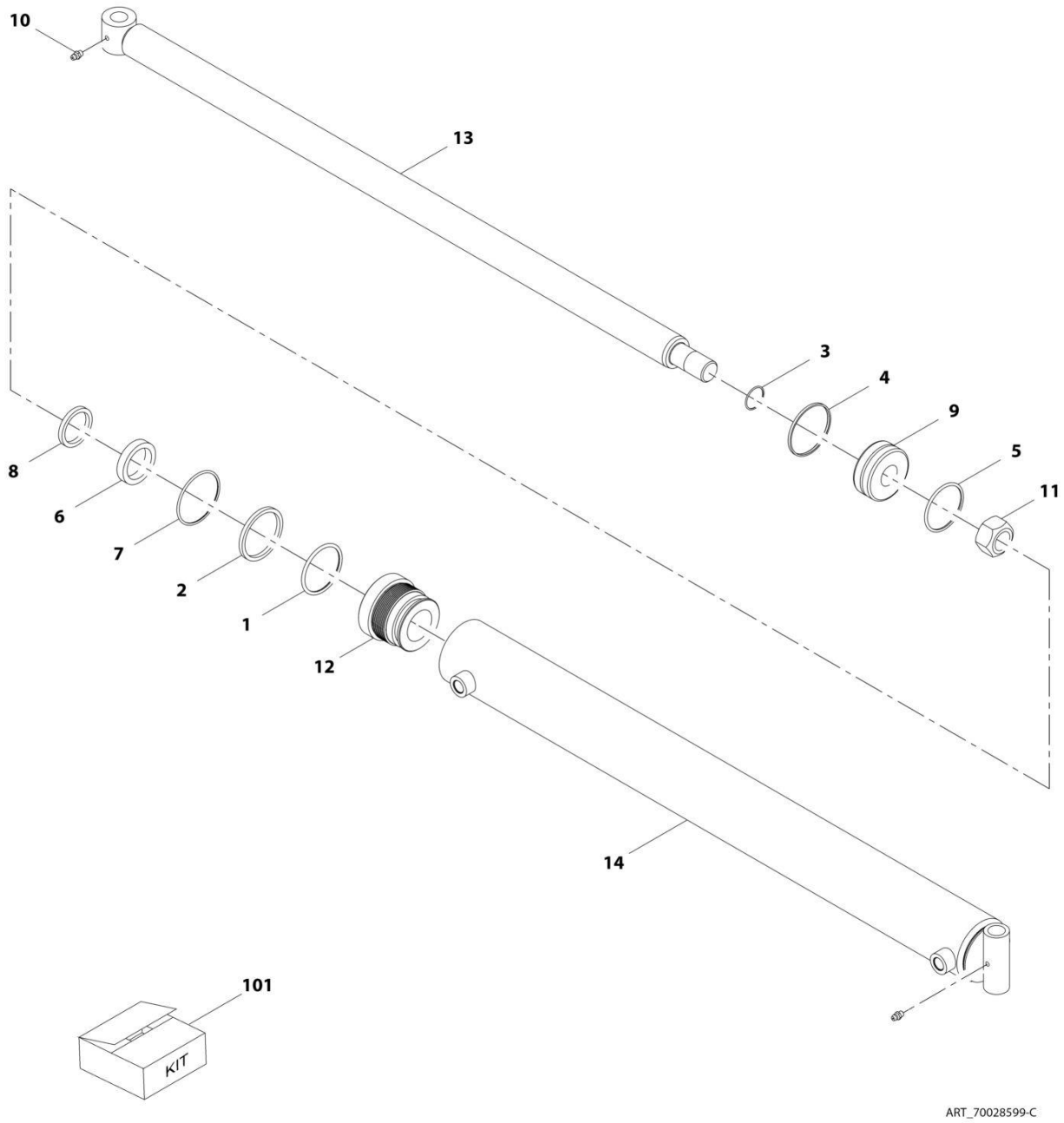


FIGURE 9-13. CYLINDER ASSEMBLY - FORK POSITIONING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70028599	Ref	Fork Positioning Cylinder Assembly	C
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	Kit	1	O-Ring	
2	Kit	1	O-Ring	
3	Kit	1	O-Ring	
4	Kit	1	Seal	
5	Kit	1	O-Ring	
6	Kit	1	Seal	
7	Kit	1	O-Ring	
8	Kit	1	Seal	
9	70028609	1	Piston, Cylinder	
10	90554045	2	Fitting, Grease	
11	70021440	1	Nut	
12	70028610	1	Gland, Cylinder	
13	70028611	1	Rod	
14	N.S.S.	1	Tube	
101	Kit	1	Kit, Seal	

FIGURE 9-14. CYLINDER INSTALLATION - FORK POSITIONING SIDE SHIFT

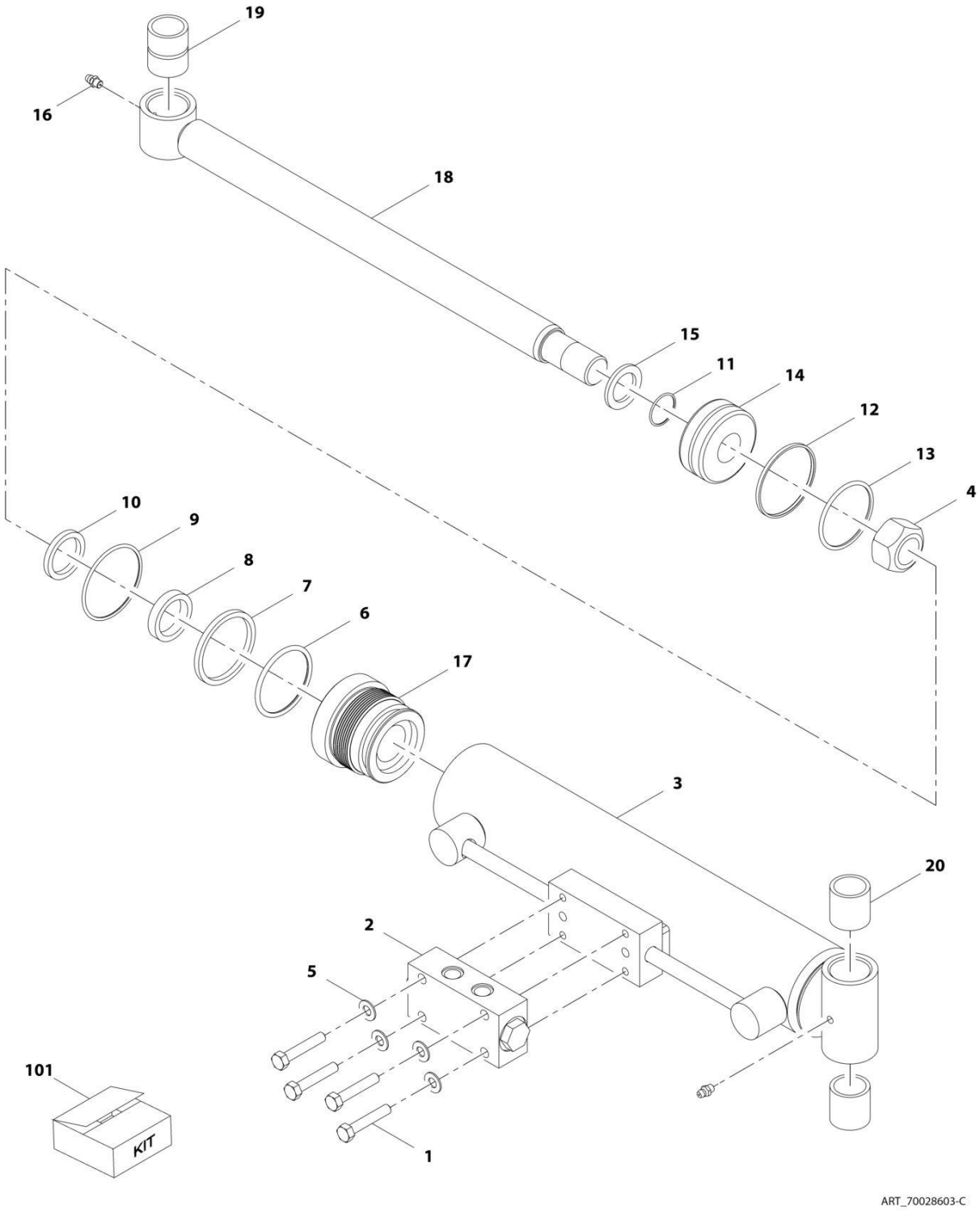


FIGURE 9-14. CYLINDER INSTALLATION - FORK POSITIONING SIDE SHIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70028603	Ref	Side Shift Cylinder Assembly	C
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	70028612	4	Bolt	
2	70028613	1	Valve	
3	N.S.S.	1	Tube	
4	70021440	1	Nut	
5	70028614	4	Washer, Flat	
6	Kit	1	O-Ring	
7	Kit	1	O-Ring	
8	Kit	1	Seal	
9	Kit	1	O-Ring	
10	Kit	1	Seal	
11	Kit	1	O-Ring	
12	Kit	1	Seal	
13	Kit	1	O-Ring	
14	70021451	1	Piston	
15	70021444	1	Spacer	
16	90554045	2	Fitting, Grease	
17	70021446	1	Gland, Cylinder	
18	70021445	1	Rod	
19	70021447	1	Bushing	
20	70021448	2	Bushing	
101	70021452	1	Kit, Seal (includes items 6 thru 13)	

FIGURE 9-15. CYLINDER ASSEMBLY - FRAME LEVEL

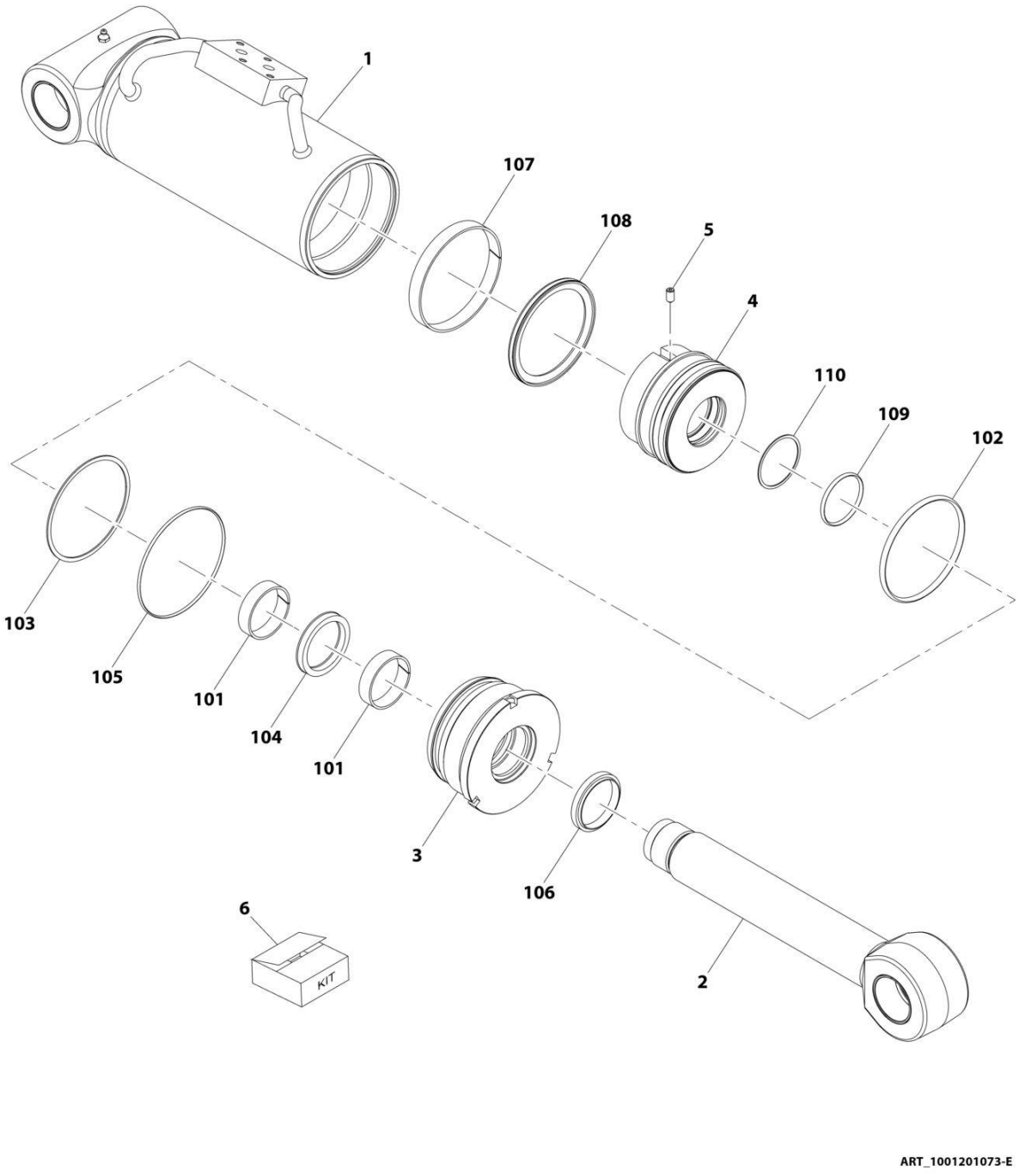


FIGURE 9-15. CYLINDER ASSEMBLY - FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201073	Ref	Frame Level Cylinder	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	70028362	1	Rod	
3	70026249	1	Head	
4	70026251	1	Piston	
5	70020438	1	Screw, Locking	
6	70026253	1	Seal kit (includes items 101 thru 110)	
101	Kit	2	Bearing	
102	Kit	1	O-Ring	
103	Kit	1	Backup Ring	
104	Kit	1	Rod Seal	
105	Kit	1	O-Ring	
106	Kit	1	Wiper	
107	Kit	1	Bearing	
108	Kit	1	Piston Seal	
109	Kit	1	O-Ring	
110	Kit	1	Backup Ring	

FIGURE 9-16. CYLINDER ASSEMBLY - PIPE HANDLER CARRIAGE (UPPER)

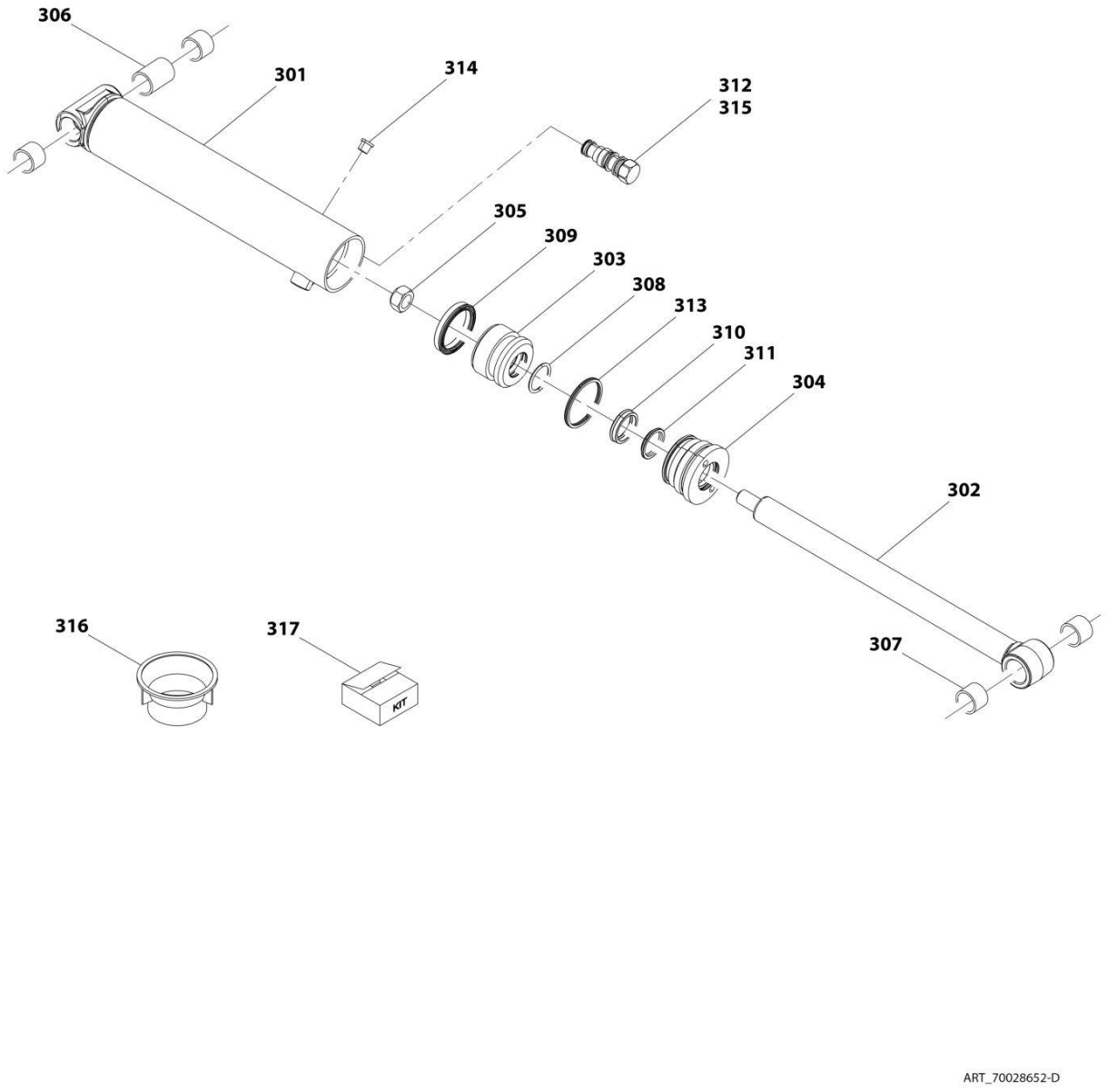


FIGURE 9-16. CYLINDER ASSEMBLY - PIPE HANDLER CARRIAGE (UPPER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70028652	Ref	Upper Cylinder Assembly	D
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
301	N.S.S.	1	Barrel	
302	70028270	1	Rod	
303	70028254	1	Piston	
304	70028255	1	Retainer	
305	70028258	1	Nut	
306	70028257	1	Spacer	
307	70028256	4	Bushing	
308	N.S.S.	1	O-Ring	
309	N.S.S.	1	Seal	
310	N.S.S.	1	Seal	
311	N.S.S.	1	Wiper	
312	70026502	1	Valve, Check	
313	N.S.S.	1	Seal	
314	70024129	2	Plug	
315	70024734	1	Kit, Check Valve	
316	70028691	1	Tool, Seal Loader	
317	70028770	1	Kit, Seal	

FIGURE 9-17. CYLINDER ASSEMBLY - PIPE HANDLER CARRIAGE (LOWER)

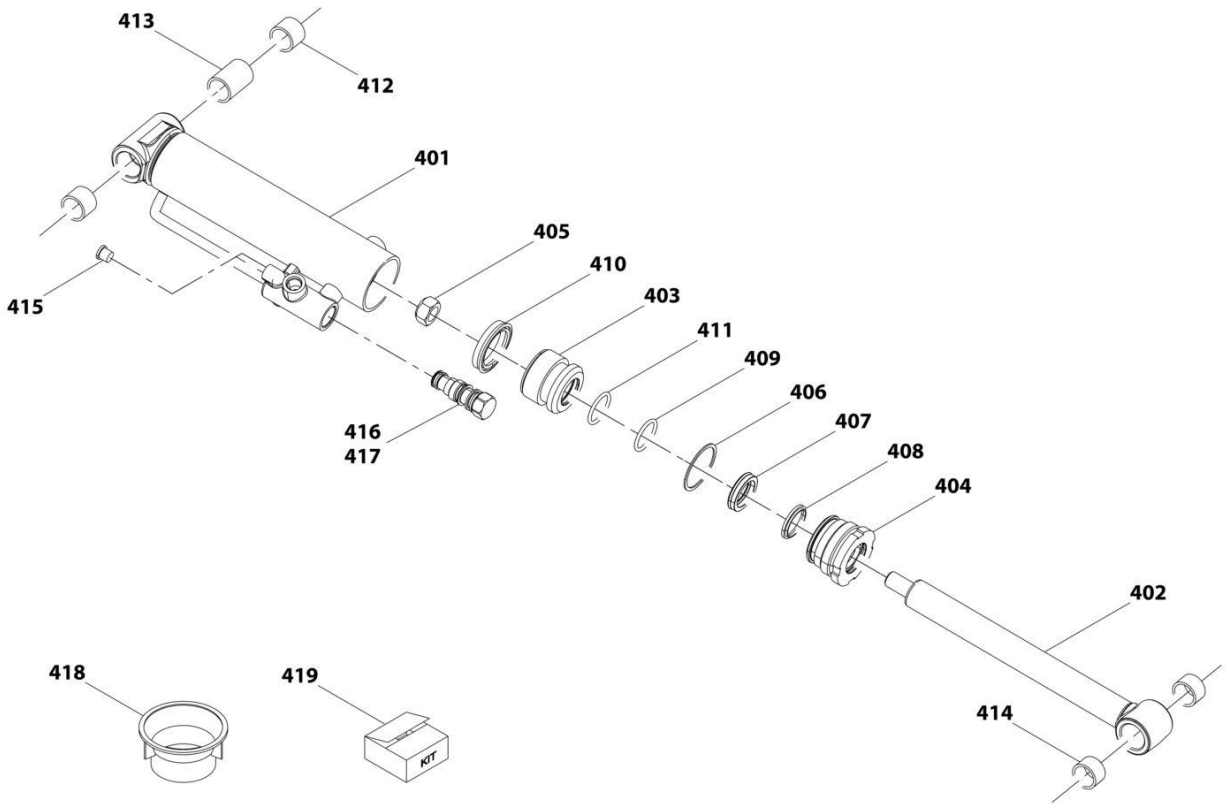


FIGURE 9-17. CYLINDER ASSEMBLY - PIPE HANDLER CARRIAGE (LOWER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70028653	Ref	Lower Cylinder Assembly	D
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
401	N.S.S.	1	Barrel	
402	70028692	1	Rod	
403	70024142	1	Piston	
404	70028693	1	Retainer	
405	70028258	1	Nut	
406	N.S.S.	1	Ring, Backup	
407	N.S.S.	1	Seal	
408	N.S.S.	1	Wiper	
409	N.S.S.	1	O-Ring	
410	N.S.S.	1	Seal	
411	N.S.S.	1	O-Ring	
412	70028256	2	Bushing	
413	70028257	1	Spacer	
414	70028694	2	Bushing	
415	70024129	2	Plug	
416	70026502	1	Valve, Check	
417	70024734	1	Kit, Check Valve	
418	70028691	1	Tool, Seal Loader	
419	70028771	1	Kit, Seal	

FIGURE 9-18. MOTOR ASSEMBLY - HYDROSTATIC

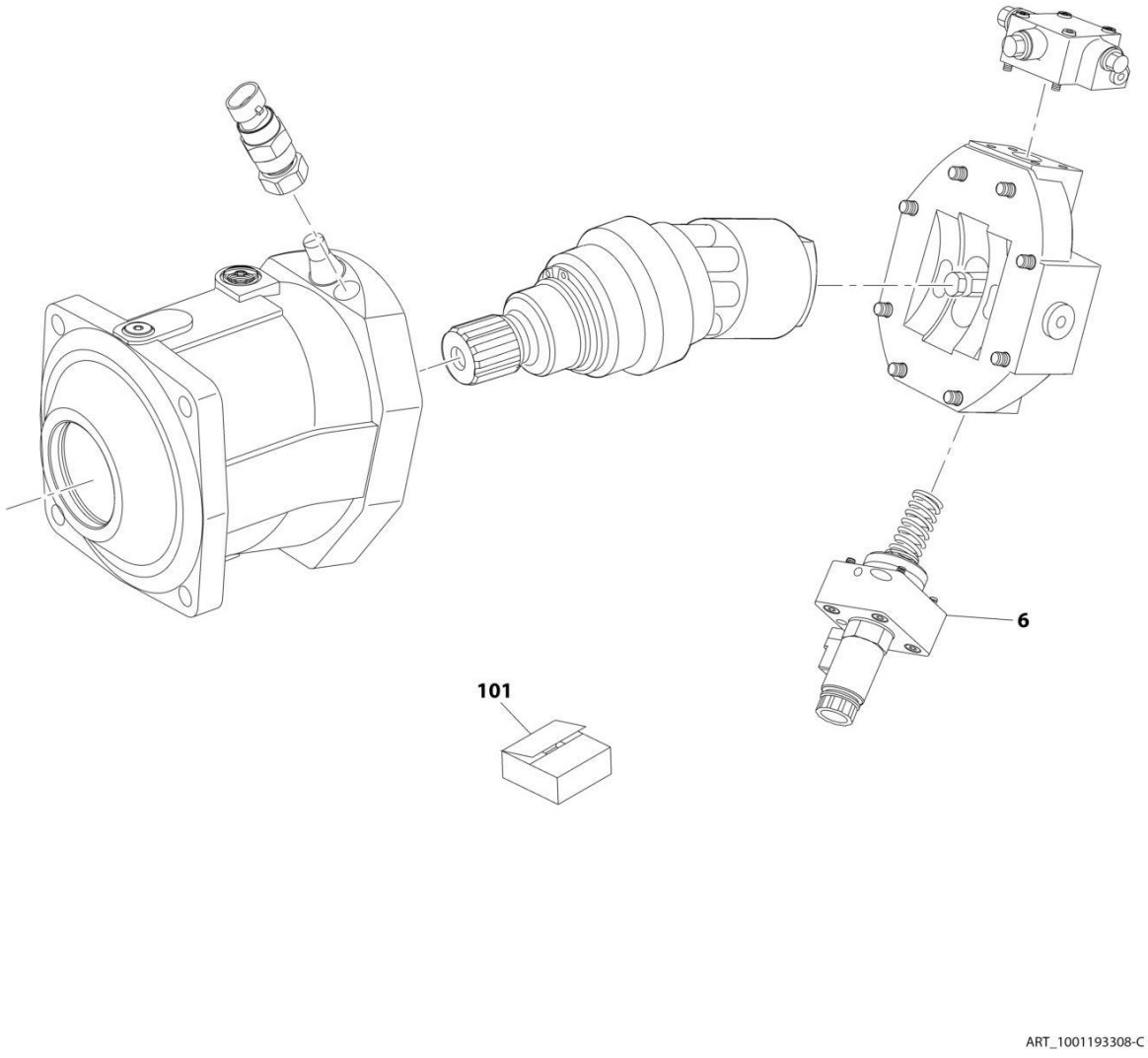


FIGURE 9-18. MOTOR ASSEMBLY - HYDROSTATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193308	Ref	Hydrostatic Motor	C
6	70028420	1	Valve, Flushing	
101	70027601	1	Kit, Seal	
	Kit	1	Seal	
	Kit	1	O-Ring	
	Kit	2	Seal	
	Kit	7	O-Ring	
	Kit	1	O-Ring	
	Kit	2	O-Ring	
	Kit	2	O-Ring	
	Kit	3	O-Ring	
	Kit	2	O-Ring	
	Kit	2	Ring, Backup	
	Kit	1	Seal	
	Kit	1	O-Ring	
	Kit	2	O-Ring	
	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	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	Seal	

FIGURE 9-19. PUMP ASSEMBLY - HYDROSTATIC

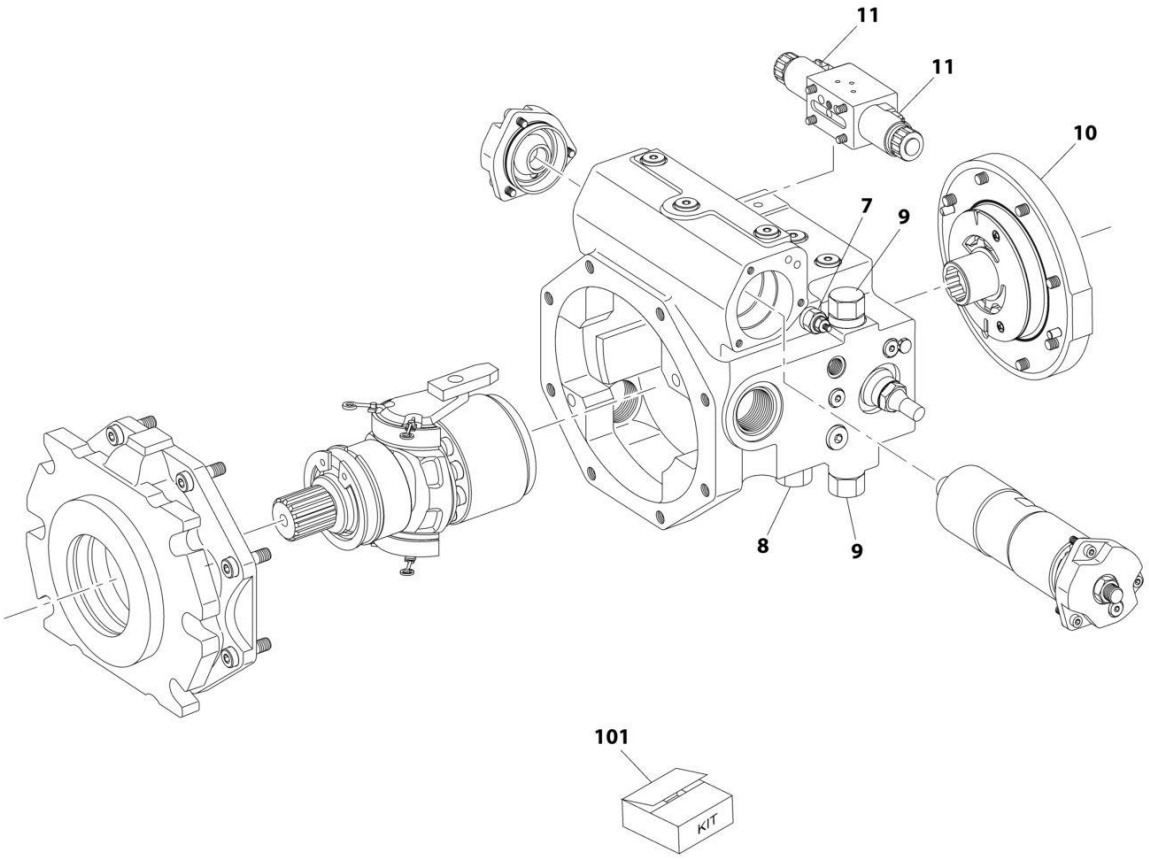


FIGURE 9-19. PUMP ASSEMBLY - HYDROSTATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193307	Ref	Hydrostatic Pump	D
7	70024946	1	Valve, Relief	
8	70027598	1	Valve, Pressure Override	
9	70024945	2	Valve, Relief	
10	70028411	1	Pump, Charge	
11	70022726	2	Solenoid	
101	70028410	1	Kit, Seal	
	Kit	1	Seal, Shaft	
	Kit	2	Retaining Ring	
	Kit	2	O-Ring	
	Kit	1	O-Ring	
	Kit	2	Seal, Rod	
	Kit	1	Nut, Sealing	
	Kit	3	O-Ring	
	Kit	2	O-Ring	
	Kit	1	O-Ring	
	Kit	2	Nut, Sealing	
	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	1	O-Ring	
	Kit	1	O-Ring	
	Kit	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	1	O-Ring	
	Kit	1	Seal	
	Kit	1	Seal	
	Kit	1	O-Ring	
	Kit	2	O-Ring	
	Kit	2	O-Ring	
	Kit	2	O-Ring	
	Kit	2	O-Ring	

FIGURE 9-20. PUMP ASSEMBLY - IMPLEMENT

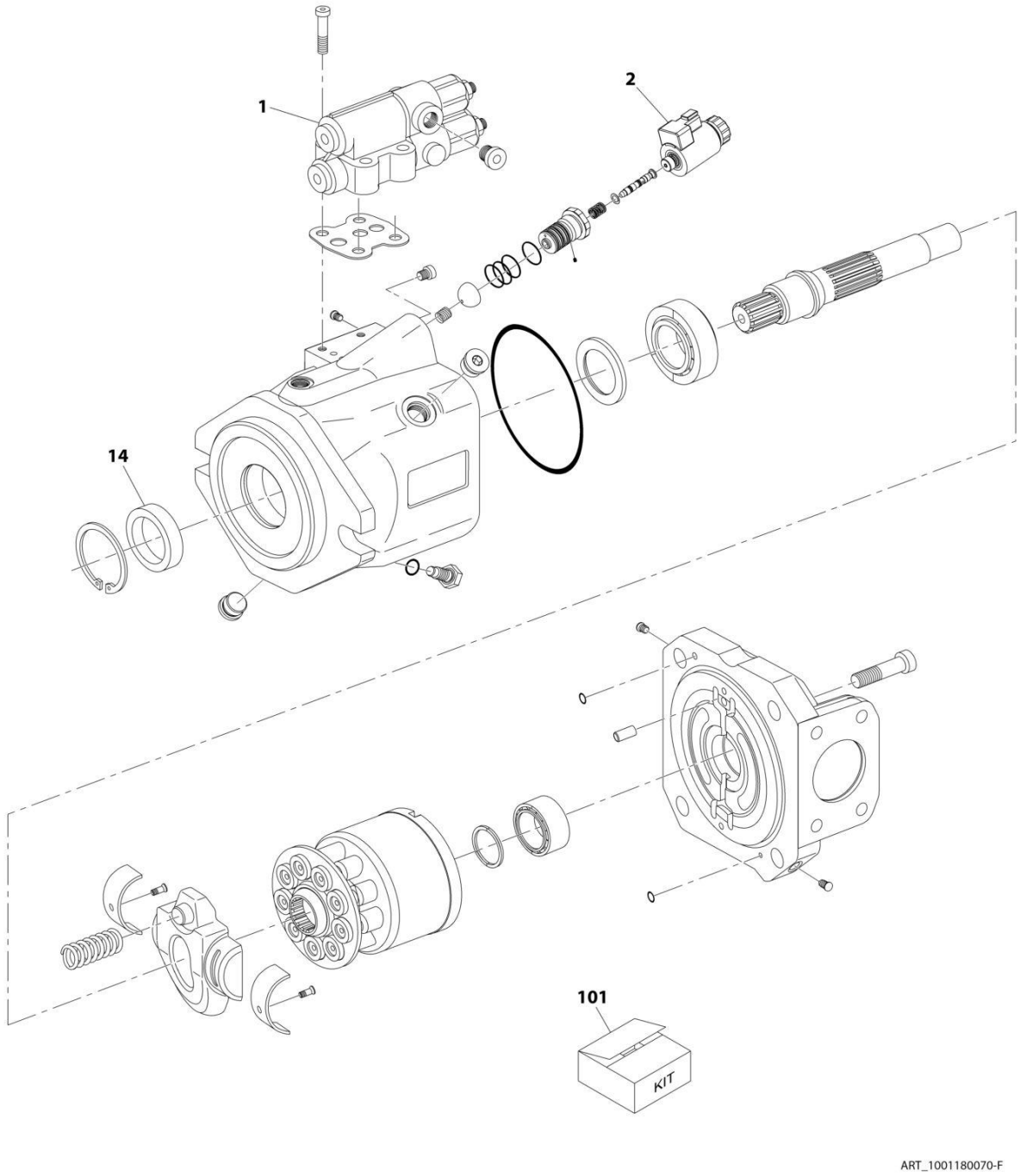


FIGURE 9-20. PUMP ASSEMBLY - IMPLEMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180070	1	Implement Pump	F
1	70027595	1	Controller, DSR	
2	70028412	1	Controller, EK	
14	7024947	1	Seal, Shaft	
101	70028413	1	Kit, Seal	
	Kit	1	Seal	
	Kit	1	Plug	
	Kit	2	Plug	
	Kit	2	O-Ring	
	Kit	1	O-Ring	

FIGURE 9-21. VALVE ASSEMBLY - BOOM AUX DIVERTER VALVE (HYDRAULIC - SINGLE & TWIN)

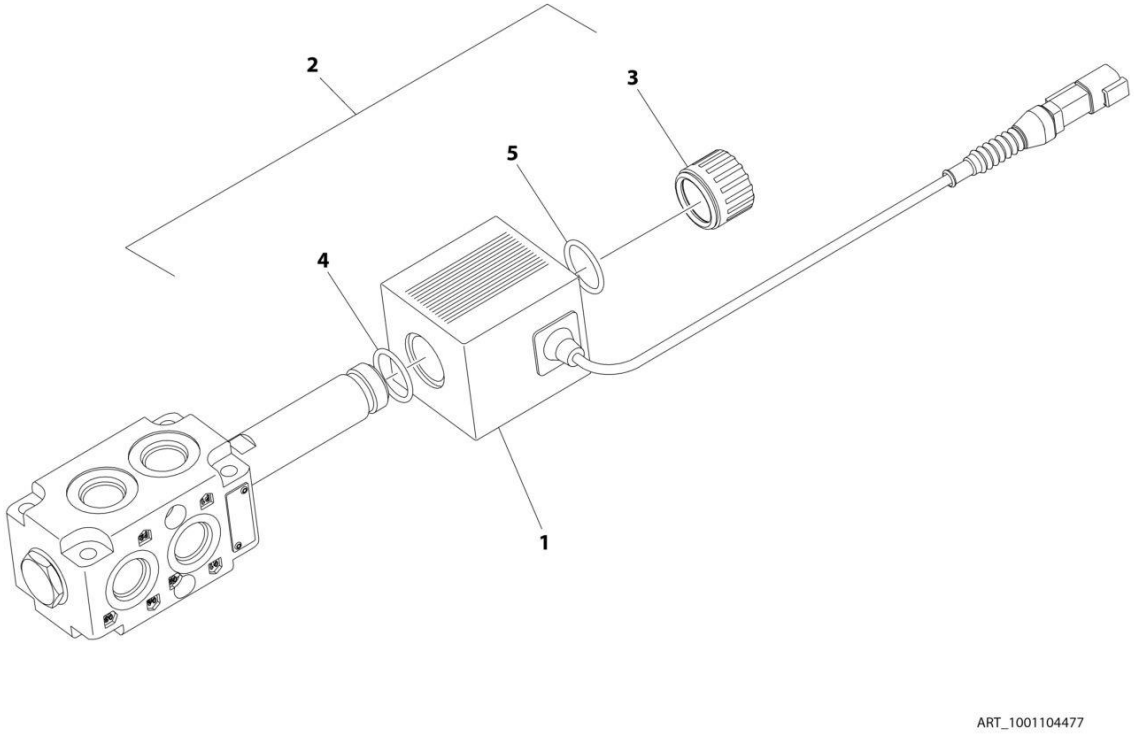


FIGURE 9-21. VALVE ASSEMBLY - BOOM AUX DIVERTER VALVE (HYDRAULIC - SINGLE & TWIN)

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 9-22. VALVE ASSEMBLY - BOOM AUX DIVERTER VALVE (MANUAL & HYDRAULIC -TWIN)

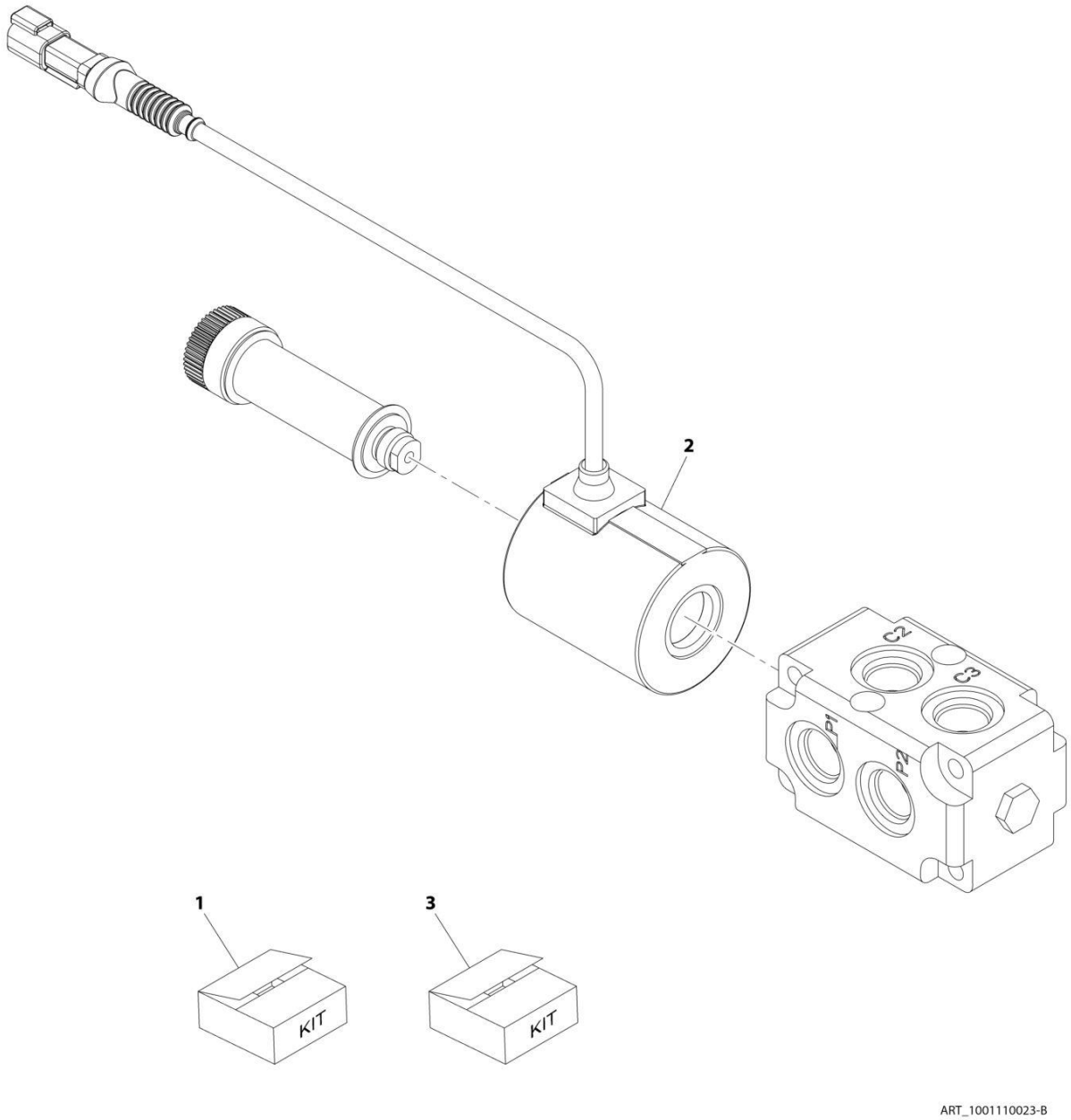


FIGURE 9-22. VALVE ASSEMBLY - BOOM AUX DIVERTER VALVE (MANUAL & HYDRAULIC -TWIN)

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

FIGURE 9-23. VALVE ASSEMBLY - BOOM EXTEND/RETRACT COUNTERBALACE VALVE

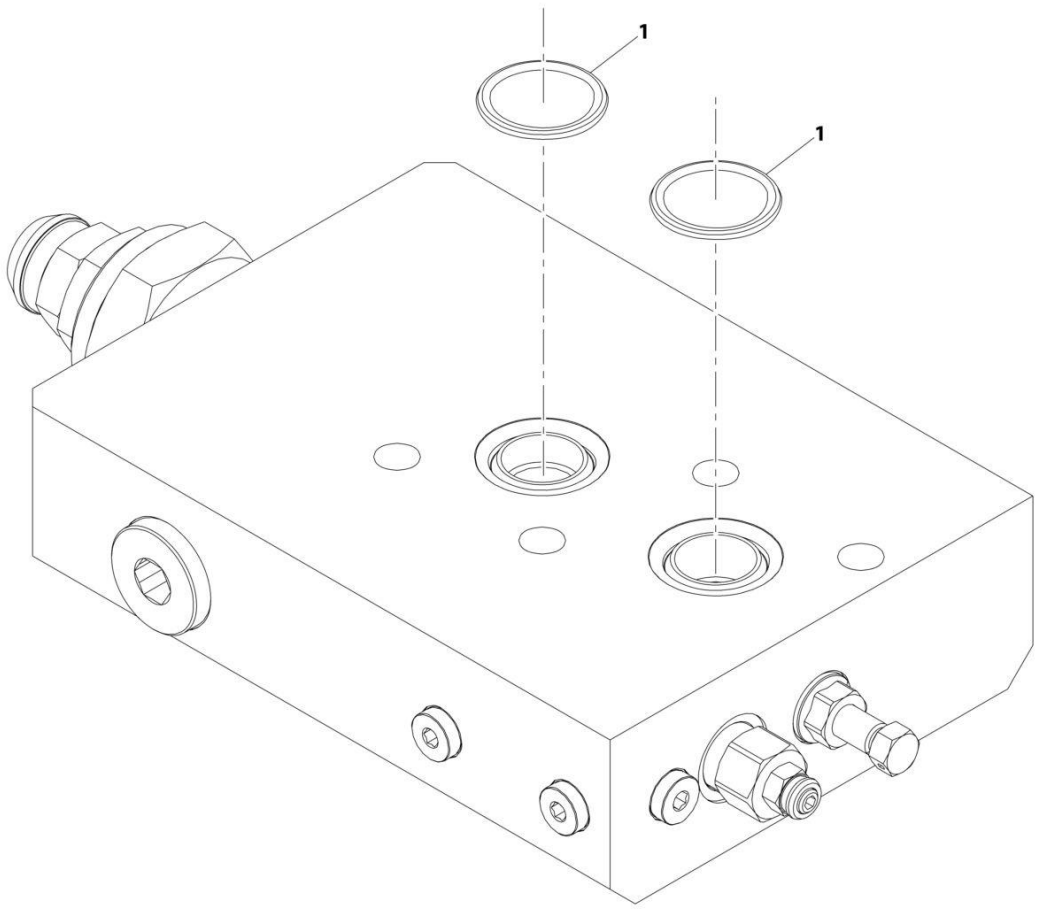
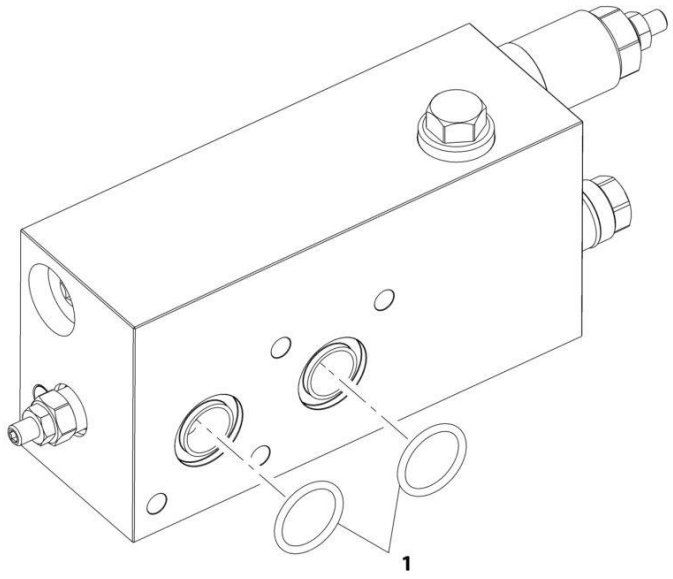


FIGURE 9-23. VALVE ASSEMBLY - BOOM EXTEND/RETRACT COUNTERBALACE VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209862	Ref	Counterbalance Valve	E
1	70028422	2	O-Ring	

FIGURE 9-24. VALVE ASSEMBLY - BOOM RAISE COUNTERBALANCE VALVE (NO RIDE CONTROL)

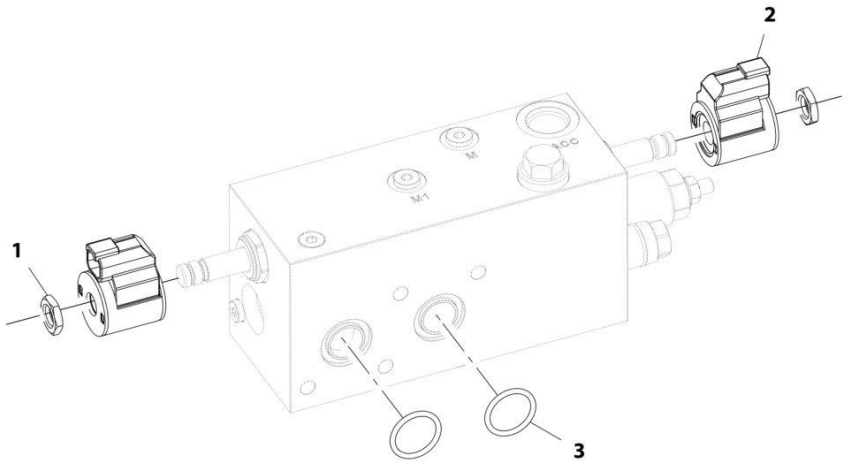


ART_1001224944-C

FIGURE 9-24. VALVE ASSEMBLY - BOOM RAISE COUNTERBALANCE VALVE (NO RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224944	Ref	Counterbalance Valve	C
1	70028282	1	O-Ring	

FIGURE 9-25. VALVE ASSEMBLY - BOOM RAISE RIDE & FLOAT VALVE (RIDE CONTROL)

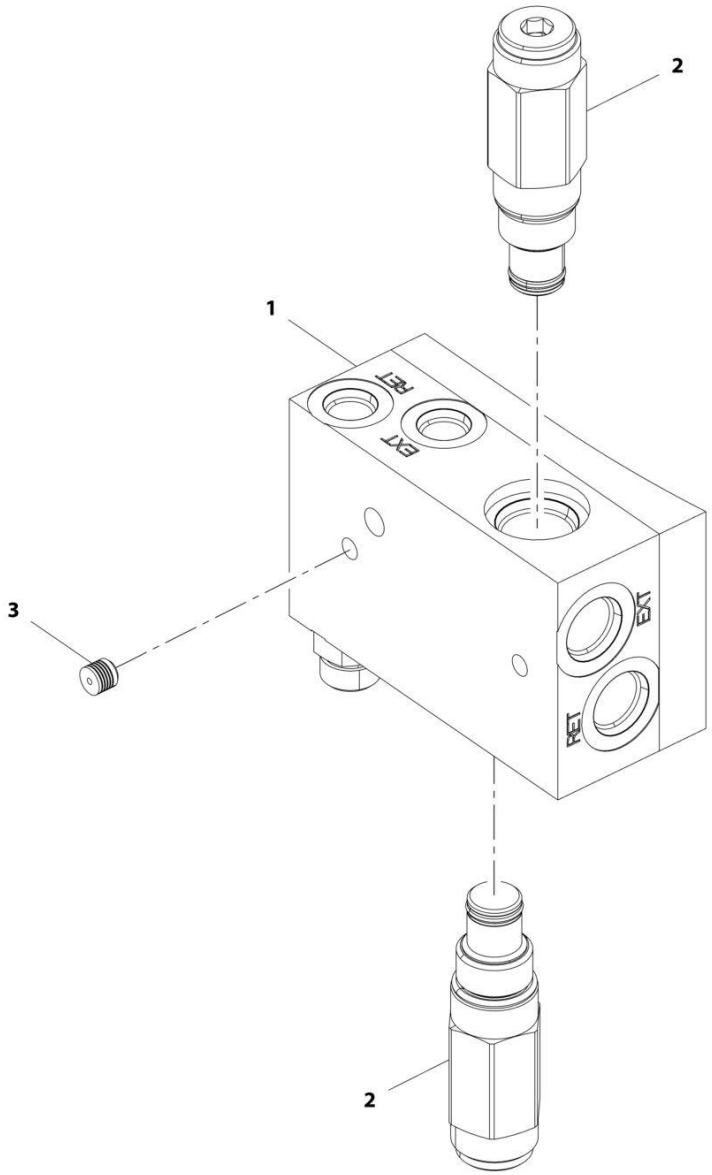


ART_1001224945-C

FIGURE 9-25. VALVE ASSEMBLY - BOOM RAISE RIDE & FLOAT VALVE (RIDE CONTROL)

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 9-26. VALVE ASSEMBLY - BUCKET (5.23 YD³/4.0M³)



ART_70028573-D

FIGURE 9-26. VALVE ASSEMBLY - BUCKET (5.23 YD³/4.0M³)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70028573	Ref	Valve Assembly, Bucket (5.23 YD³/4.0M³)	D
1	70026477	1	Manifold	
2	70028589	2	Cartridge, Relief	
3	70026614	2	Plug	

FIGURE 9-27. VALVE ASSEMBLY - CAB HYDRAULICS CHECK VALVE

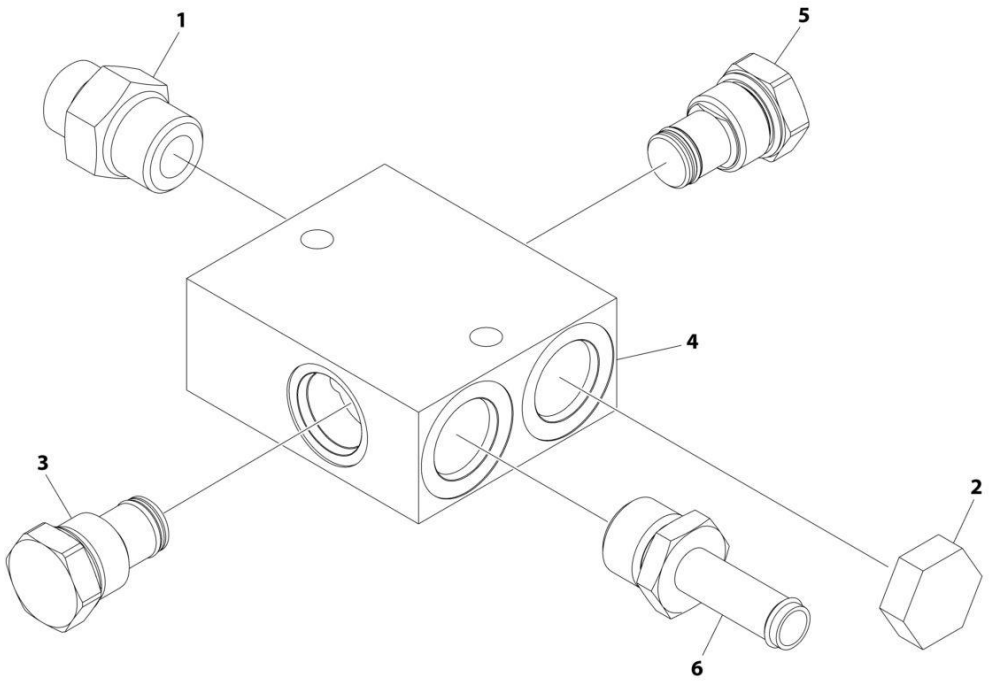
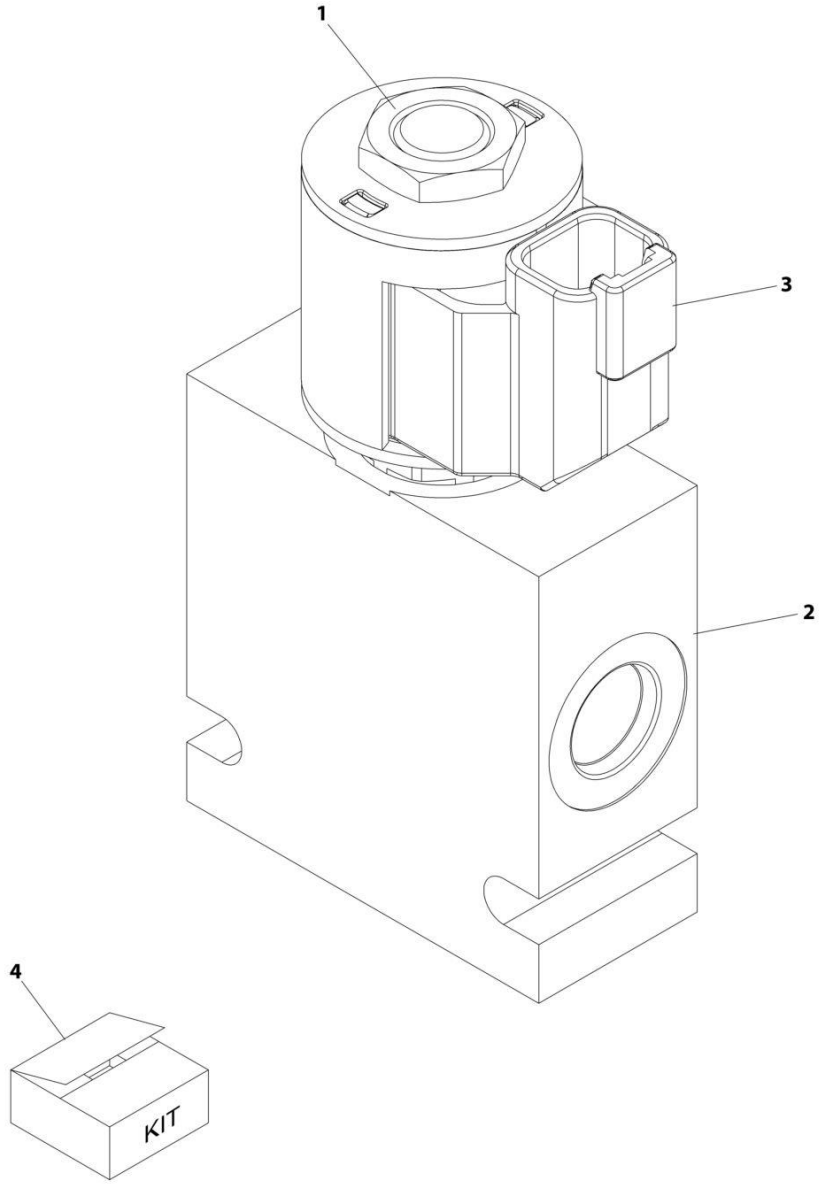


FIGURE 9-27. VALVE ASSEMBLY - CAB HYDRAULICS CHECK VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212789	Ref	VALVE ASSEMBLY - CAB HYDRAULICS CHECK VALVE	E
1	2110810	1	Fitting, Straight ORFS	
2	2220239	1	Plug	
3	1001231393	1	Valve, Check	
4	1001210780	1	Manifold, Dual Check Valve	
5	1001210801	1	Valve, Check	
6	1001225656	1	Fitting, Barb	

FIGURE 9-28. VALVE ASSEMBLY - CAB HYDRAULICS SOLENOID VALVE

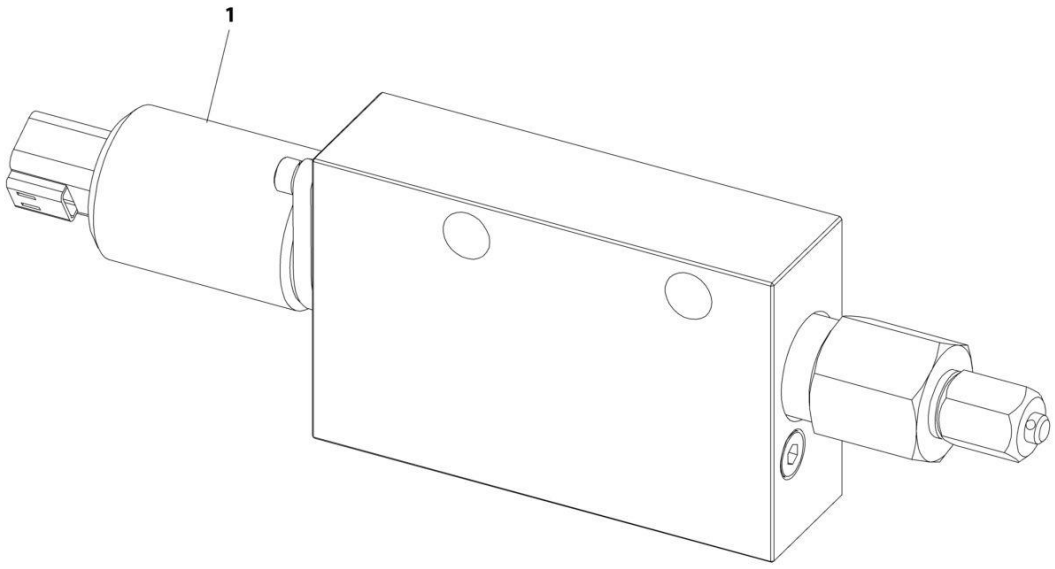


ART_1001221928-A

FIGURE 9-28. VALVE ASSEMBLY - CAB HYDRAULICS SOLENOID VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221928	Ref	Solenoid Valve	A
1	70004387	1	Cartridge	
2	N.S.S.	Ref	Body	
3	70002963	1	Coil	
4	7010543	1	Kit, Seal	

FIGURE 9-29. VALVE ASSEMBLY - ENGINE BAY INCHING VALVE



ART_1001213311-B

FIGURE 9-29. VALVE ASSEMBLY - ENGINE BAY INCHING VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213311	Ref	Inching Valve	B
1	70028361	1	Valve, Proportional	

FIGURE 9-30. VALVE ASSEMBLY - FRAME LEVEL CONTROL

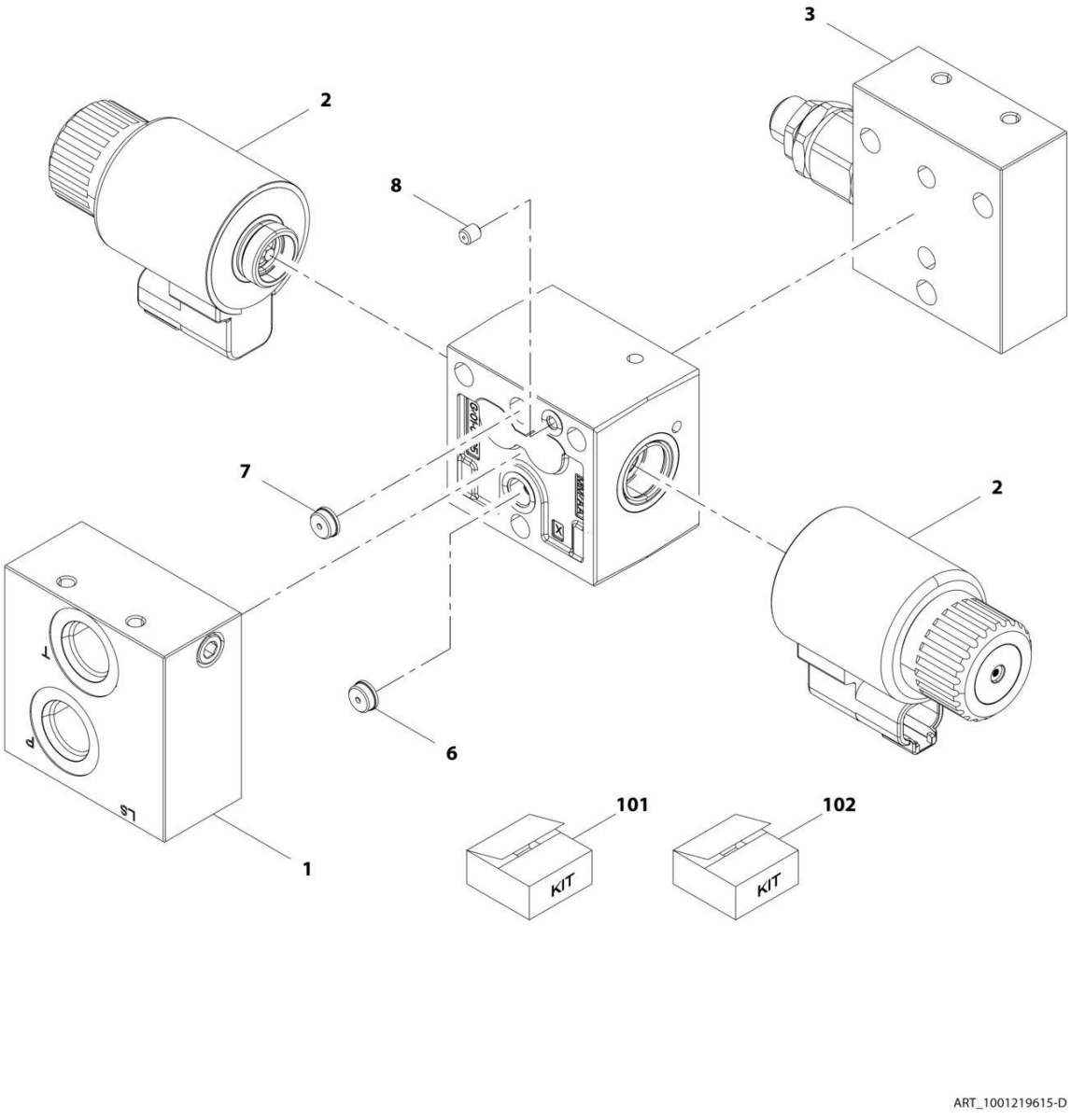


FIGURE 9-30. VALVE ASSEMBLY - FRAME LEVEL CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219615	Ref	Frame Level Valve	D
1	70028414	1	Valve, Section	
2	70004595	2	Coil	
3	70028504	1	Plate	
6	70028415	1	Screw	
7	70028243	1	Screw	
8	70028416	1	Screw	
101	70028502	2	Kit, Coil Nut	
	Kit	1	Nut	
	Kit	1	O-Ring	
102	70028503	1	Kit, Bolt and Seal	
	Kit	3	Bolt	
	Kit	3	Washer	
	Kit	2	O-Ring	
	Kit	4	O-Ring	
	Kit	2	O-Ring	

FIGURE 9-31. VALVE ASSEMBLY - FRAME LEVEL COUNTERBALANCE

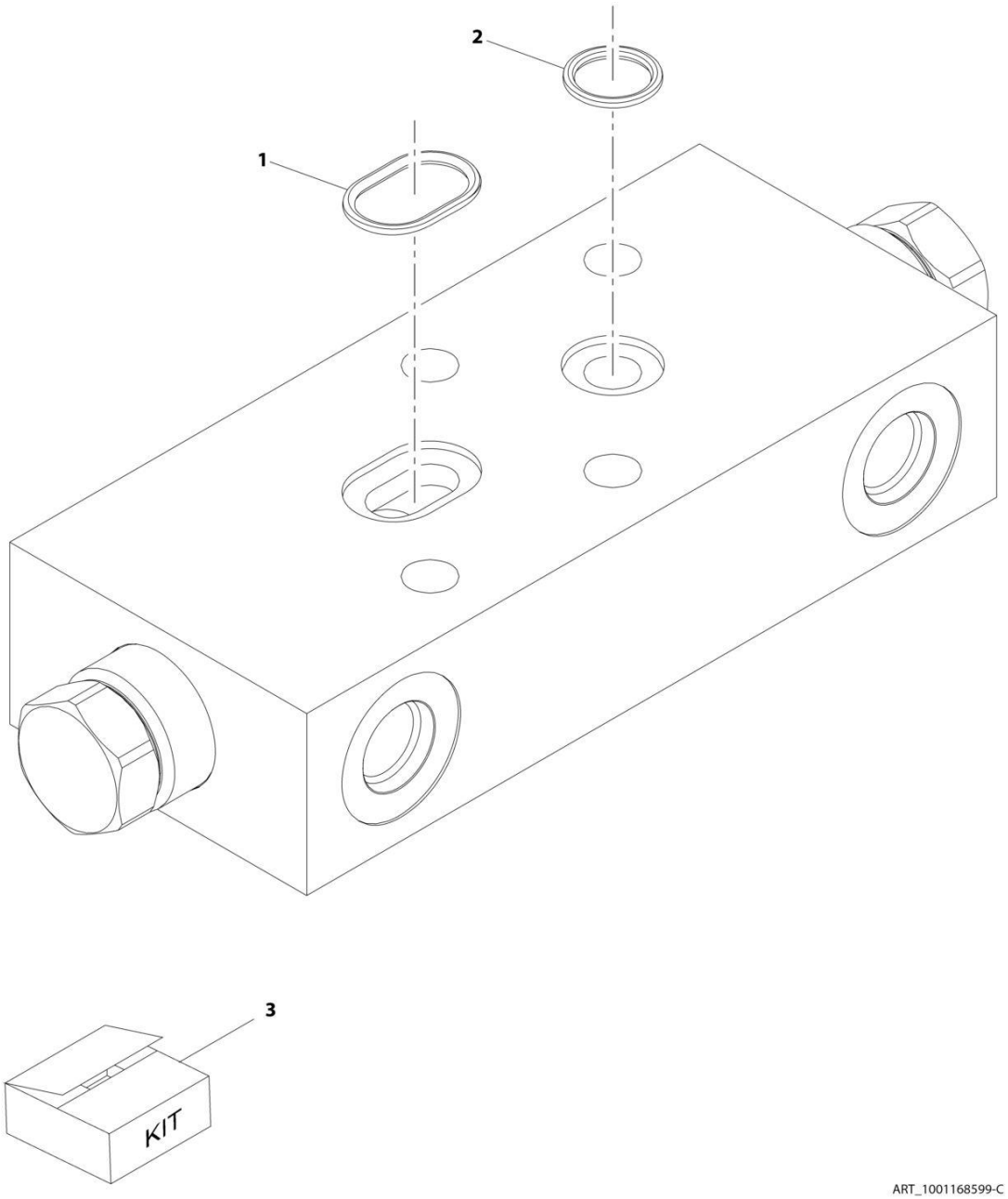


FIGURE 9-31. VALVE ASSEMBLY - FRAME LEVEL COUNTERBALANCE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168599	Ref	Counterbalance Valve	C
1	Kit	1	O-Ring	
2	Kit	1	O-Ring	
3	70028421	1	Kit, Seal (includes items 1 thru 2)	

FIGURE 9-32. VALVE ASSEMBLY - MAIN CONTROL

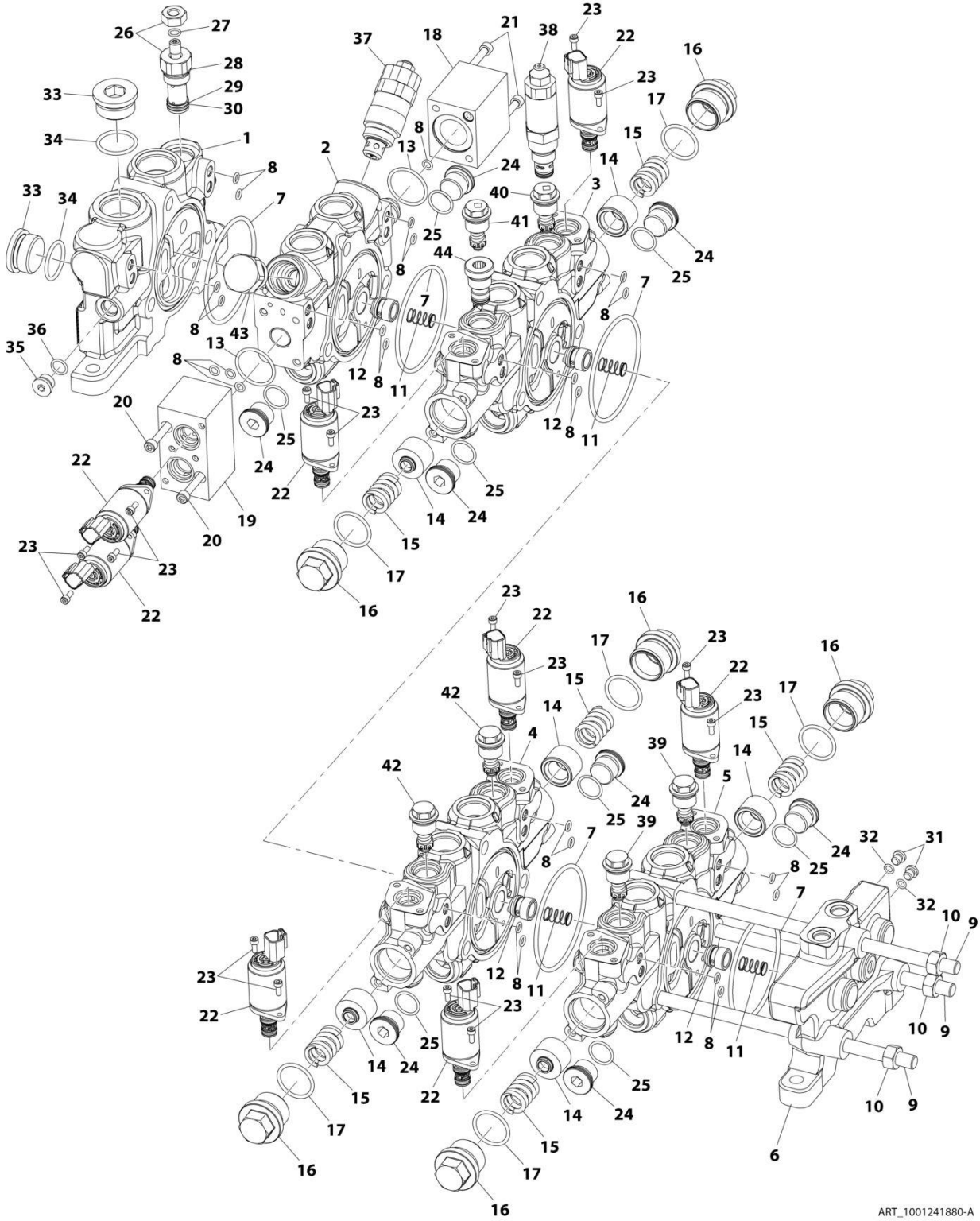


FIGURE 9-32. VALVE ASSEMBLY - MAIN CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241880	Ref	Main Control Valve	A
1	70028300	1	Inlet Section Assembly	
2	70029868	1	Lift Section Assembly	
3	70029870	1	Extend/Retract Section Assembly	
4	70029871	1	Tilt Section Assembly	
5	70029872	1	Aux 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-Metric	
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, Special	
17	70026779	6	O-Ring	
18	70029873	1	End Cap	
19	70028295	1	End Cap Assembly, Solenoid	
20	70028298	2	Screw	
21	70026383	8	Screw	
22	70029874	8	Solenoid-Cartridge Valve	
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	70026370	1	O-Ring	
29	70026376	1	Back-Up Ring	
30	70026370	1	O-Ring	
31	70026379	2	Plug	
32	70026372	2	O-Ring	
33	70050473	2	Plug Assembly	
34	10732931	2	O-Ring	
35	70050475	1	Plug	
36	70024201	1	O-Ring	
37	70028288	1	Relief Valve Assembly	
38	70028289	1	Relief Valve Assembly	
39	70028296	2	Relief Valve Assembly	
40	70027134	1	Relief Valve Assembly (Note: General Drawing - This part does ot to this valve)	
41	70028297	1	Relief Valve Assembly	
42	70022010	2	Relief Valve Assembly	
43	10837953	1	Shut-Off Plug Assembly	
44	70022008	1	Shut-Off Plug Assembly (Note: General Drawing - This part does ot to this valve)	

FIGURE 9-33. VALVE ASSEMBLY - PRIORITY VALVE

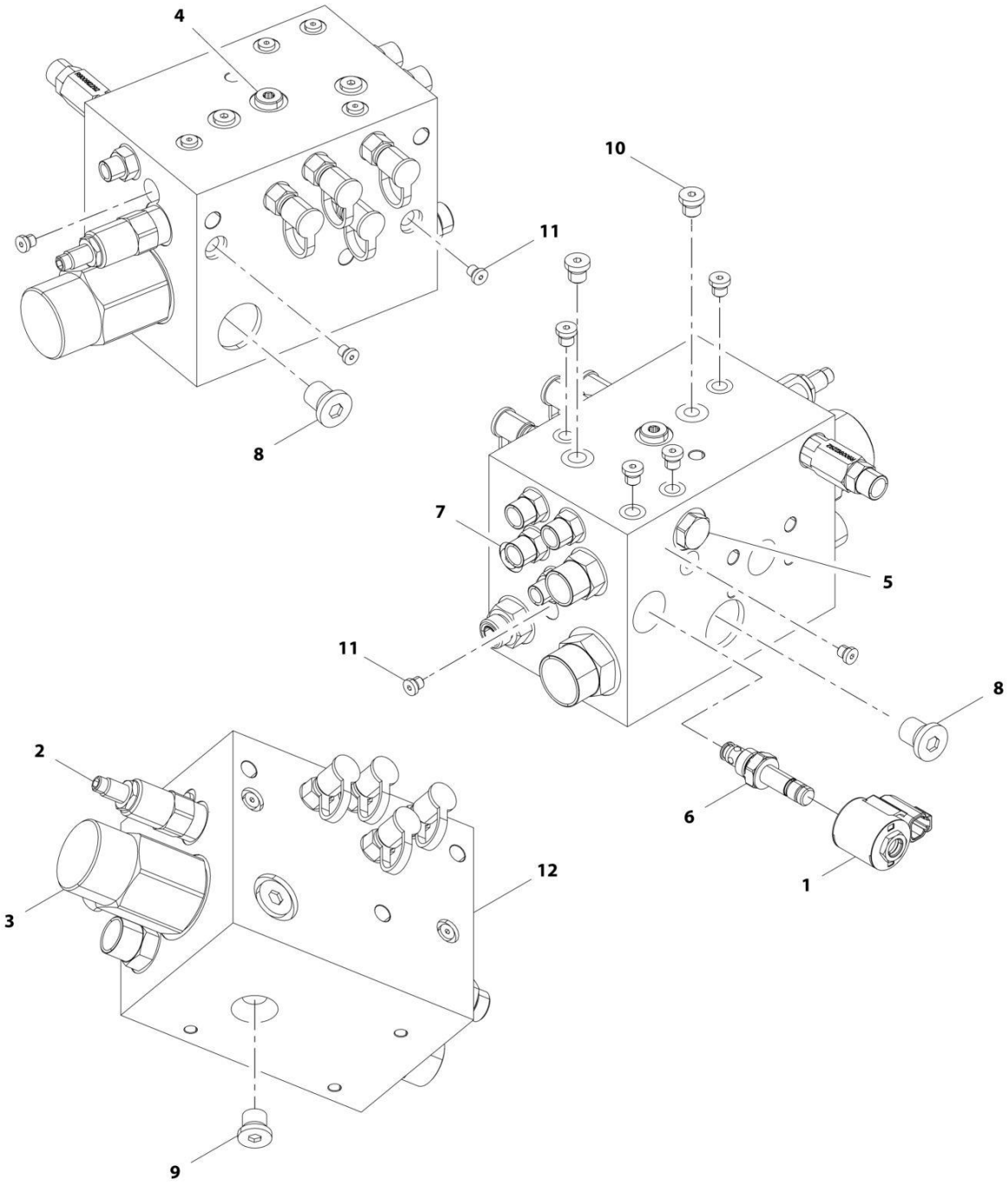
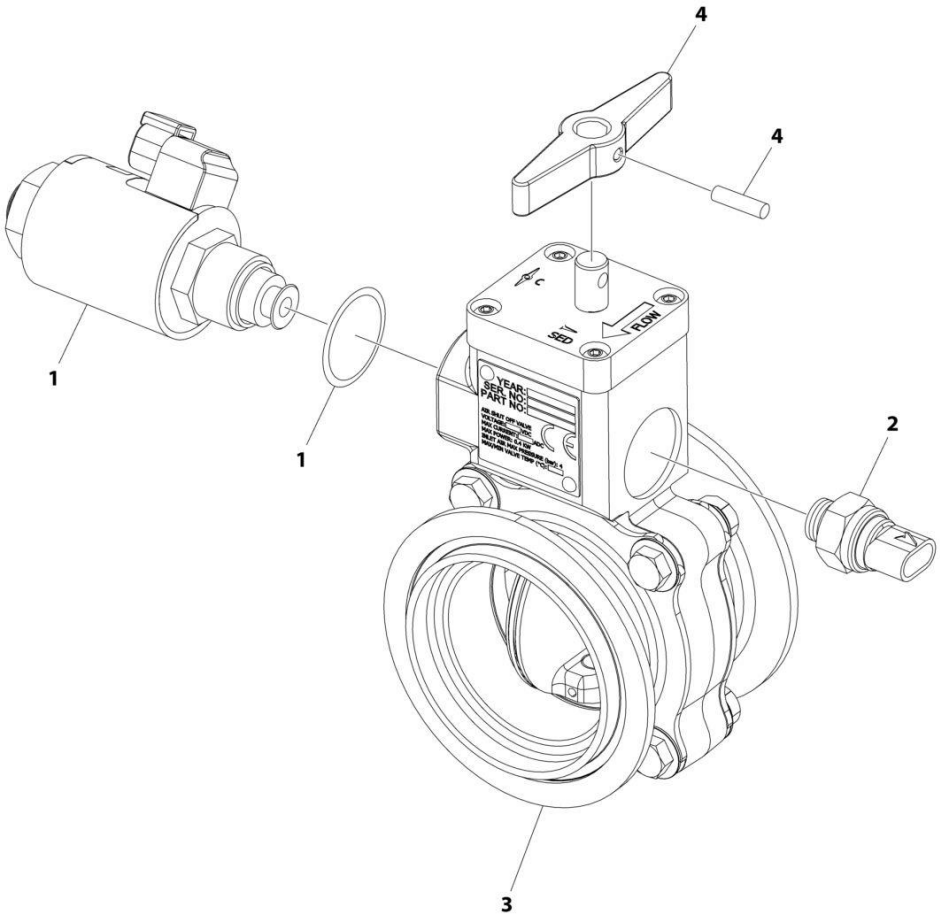


FIGURE 9-33. VALVE ASSEMBLY - PRIORITY VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192888	Ref	Priority Valve Assembly	E
1	70028905	1	Cartridge	
2	70028904	1	Cartridge	
3	70028903	1	Cartridge	
4	70026312	1	Cartridge	
5	70028902	1	Cartridge	
6	70002963	1	Coil	
7	70006427	1	Orifice	
8	70026314	2	Plug	
9	2220886	1	Plug	
10	2220883	3	Plug	
11	70026315	9	Plug	
12	N.S.S.	1	Block	

FIGURE 9-34. VALVE ASSEMBLY - RADIATOR HOSE SHUT-OFF VALVE

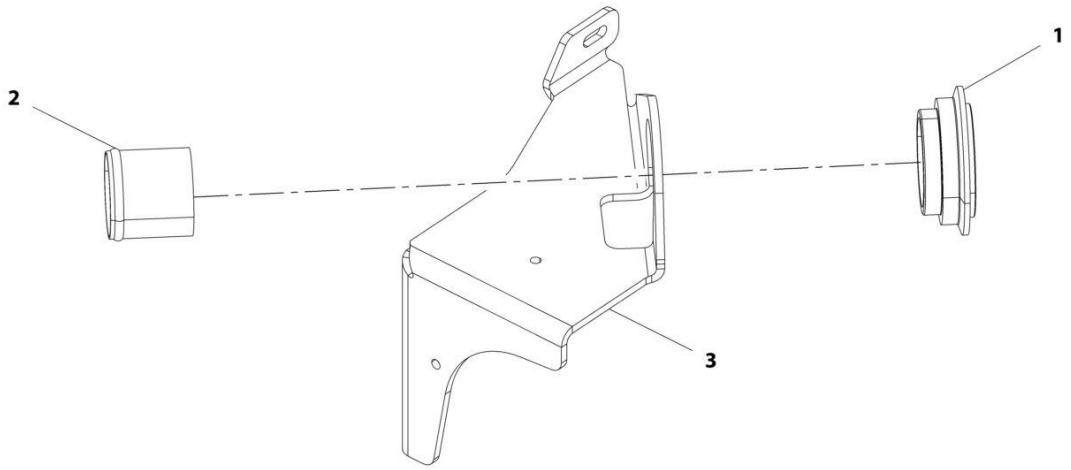


ART_1001204032_C

FIGURE 9-34. VALVE ASSEMBLY - RADIATOR HOSE SHUT-OFF VALVE

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

FIGURE 9-35. VALVE ASSEMBLY - RADIATOR HOSE ASO VALVE



ART_1001223618-A

FIGURE 9-35. VALVE ASSEMBLY - RADIATOR HOSE ASO VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223618	Ref	ASO Valve	A
1	1001204057	1	Plate	
2	1001206954	1	Tube	
3	1001223622	1	Bracket	

FIGURE 9-36. VALVE ASSEMBLY - SPEED CONTROL

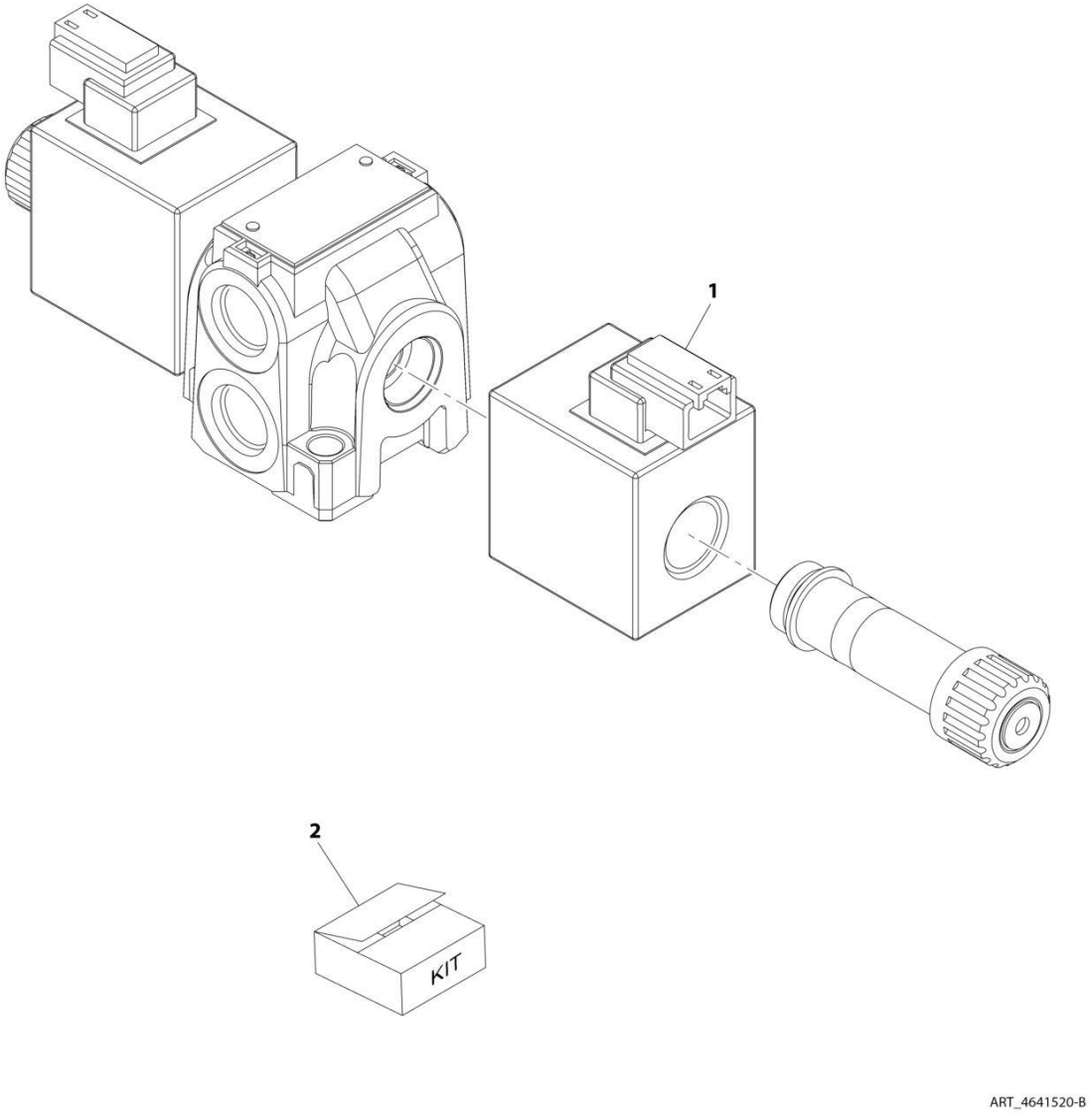


FIGURE 9-36. VALVE ASSEMBLY - SPEED CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4641520	Ref	Speed Control Valve	B
1	70026582	1	SOLENOID	
2	70020867	1	Kit, Coil Nut	
	N.S.S.	1	Seal	
	N.S.S.	1	Seal	
	N.S.S.	1	Nut, Coil	

FIGURE 9-37. VALVE ASSEMBLY - STEER

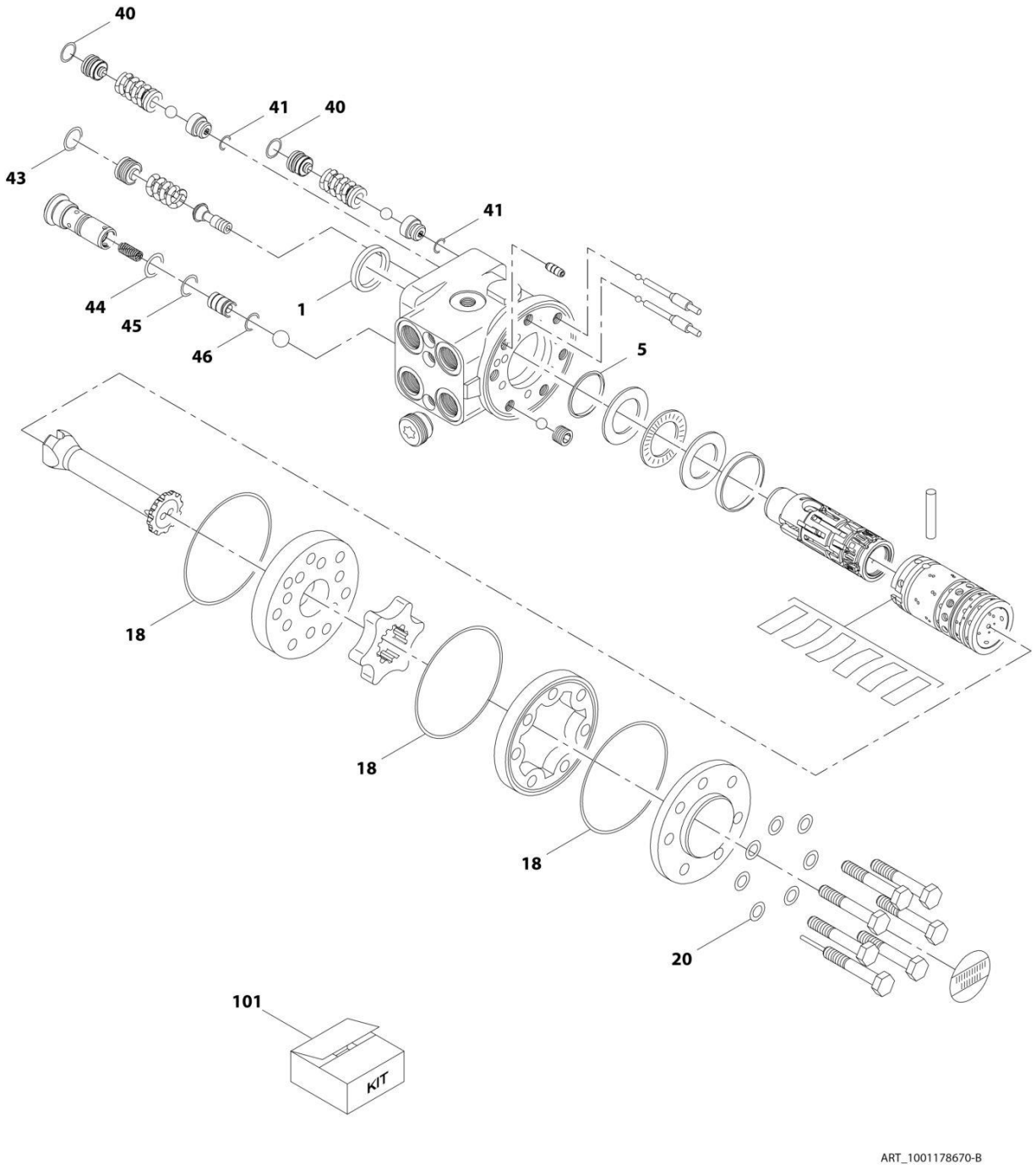
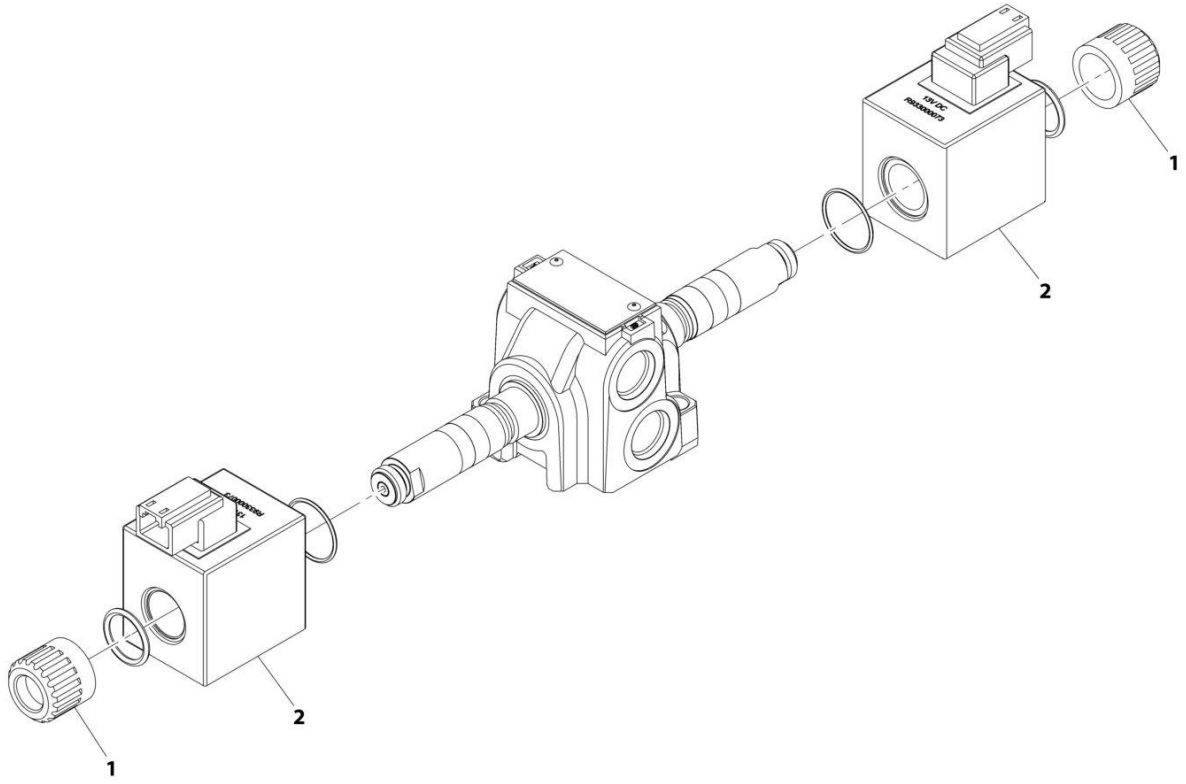


FIGURE 9-37. VALVE ASSEMBLY - STEER

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 9-38. VALVE ASSEMBLY - STEERING SELECT VALVE



ART_1001153748-C

FIGURE 9-38. VALVE ASSEMBLY - STEERING SELECT VALVE

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

SECTION 10 - ELECTRICAL

FIGURE 10-1. ALARM INSTALLATION - BACK UP

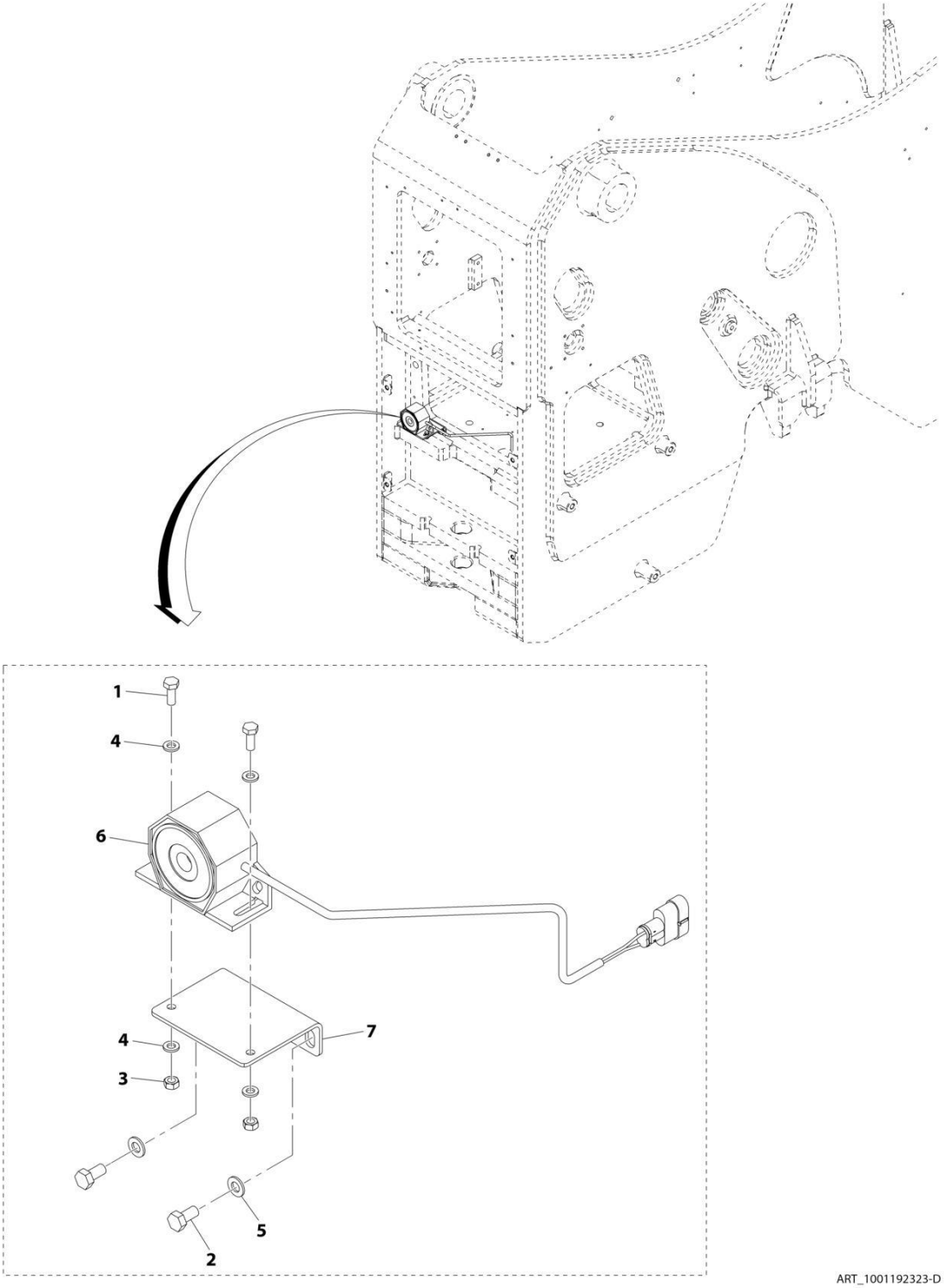


FIGURE 10-1. ALARM INSTALLATION - BACK UP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192323	Ref	Backup Alarm Installation	D
1	0760608	2	Bolt, M6X16	
2	0760808	2	Bolt, M8X16	
3	3290601	2	Nut, M6X1	
4	4811700	4	Washer, M6	
5	4811900	2	Washer, M8	
6	1001101808	1	Alarm, Backup	
7	1001193698	1	Bracket	

FIGURE 10-2. ALARM INSTALLATION (BACK UP - WHITE NOISE)

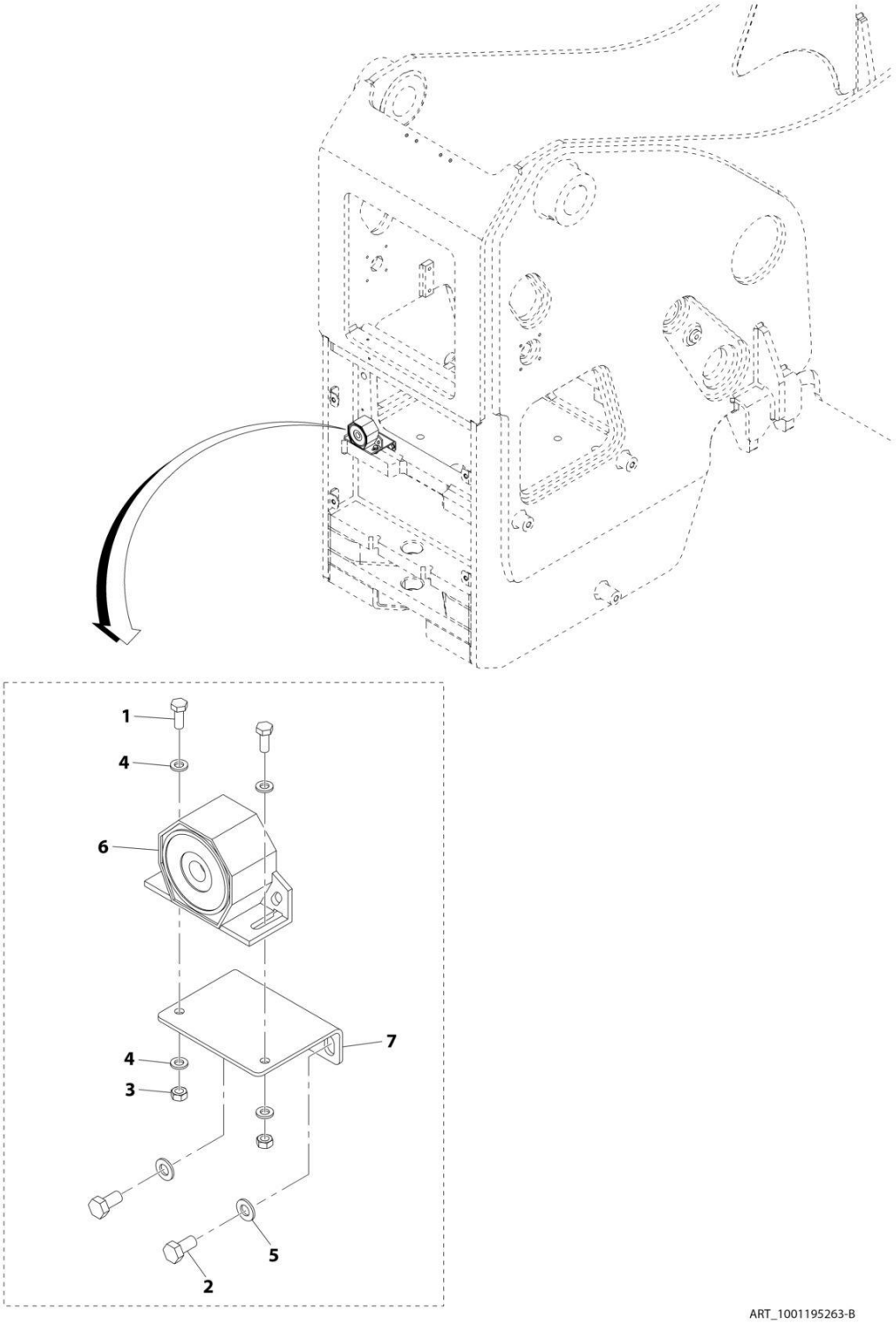


FIGURE 10-2. ALARM INSTALLATION (BACK UP - WHITE NOISE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195263	Ref	Backup Alarm Installation (White Noise)	B
1	0760608	2	Bolt, M6X16	
2	0760808	2	Bolt, M8X16	
3	3290601	2	Nut, M6X1	
4	4811700	4	Washer, M6	
5	4811900	2	Washer, M8	
6	1001165827	1	Alarm, Backup (White Noise)	
7	1001193698	1	Bracket	

FIGURE 10-3. BATTERY INSTALLATION

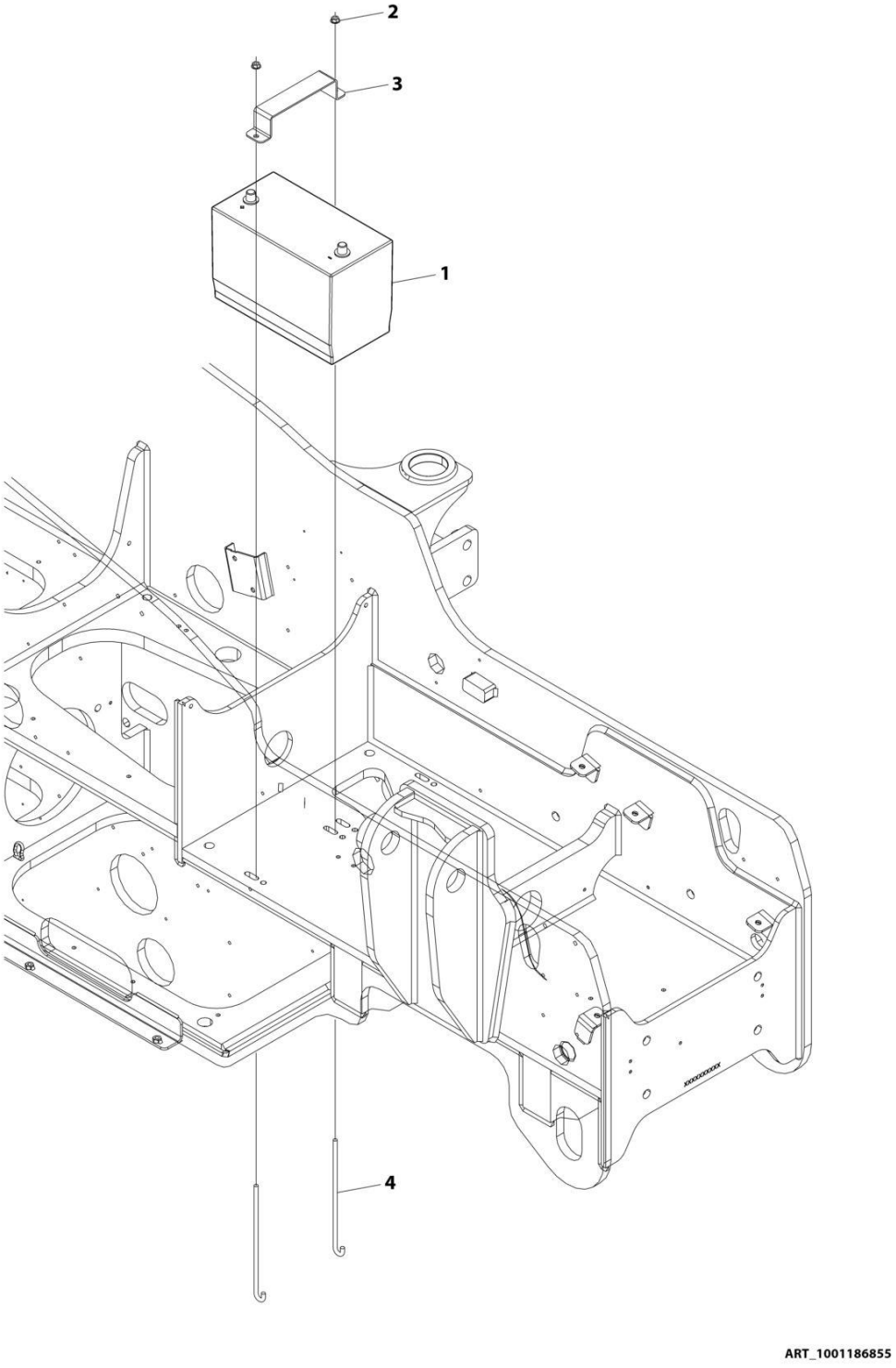


FIGURE 10-3. BATTERY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186855	Ref	Battery Installation	B
1	0400075	1	Battery, 12V	
2	5220800	2	Nut, Ripp M8	
3	1001160927	1	Plate	
4	1001160928	2	J-Bolt (270mm Length)	
4	1001181961	2	J-Bolt (220mm Length)	

FIGURE 10-4. BATTERY (DUAL) INSTALLATION

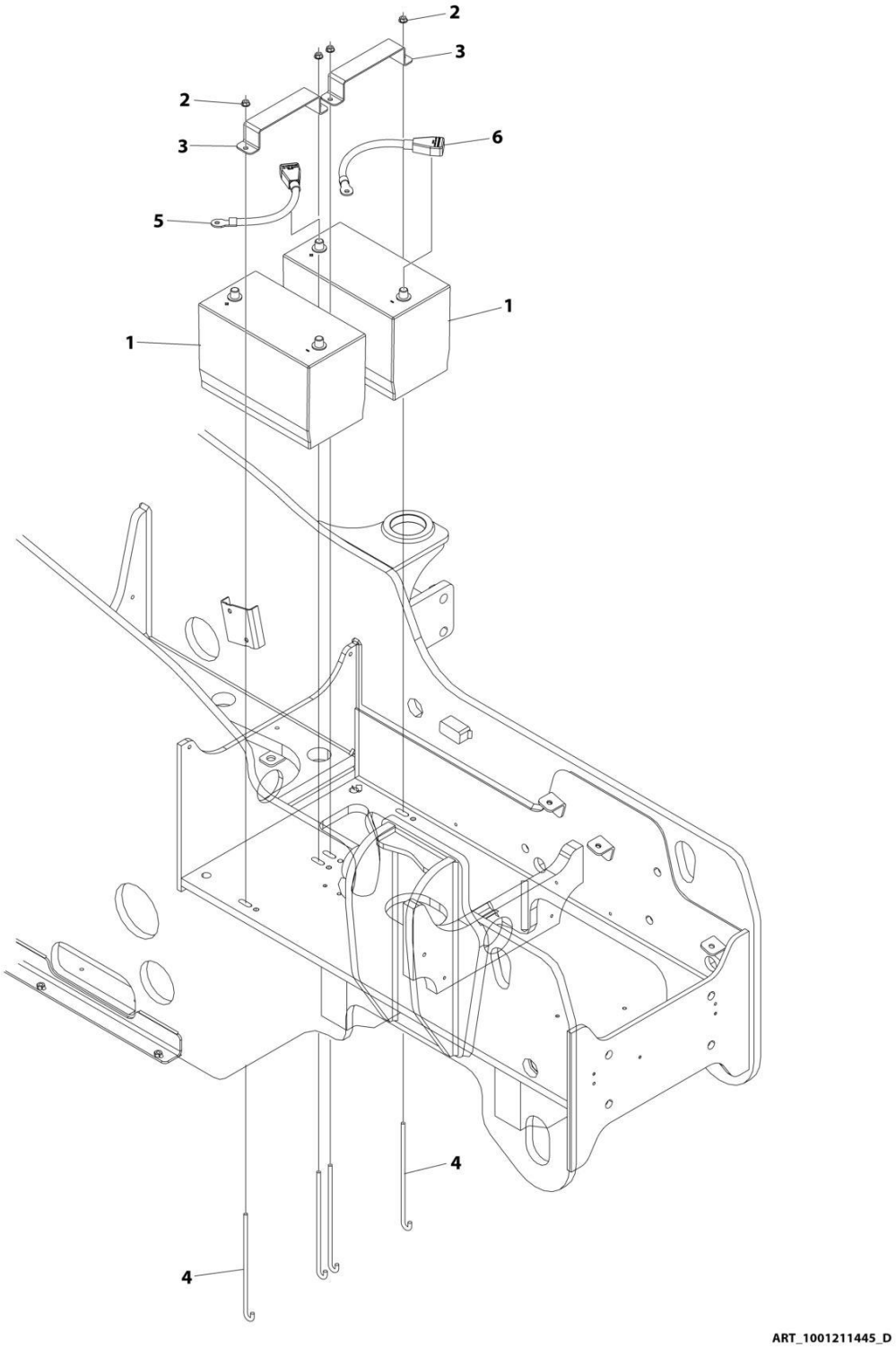


FIGURE 10-4. BATTERY (DUAL) INSTALLATION

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 10-5. BATTERY (ARCTIC) PACKAGE INSTALLATION (115V)

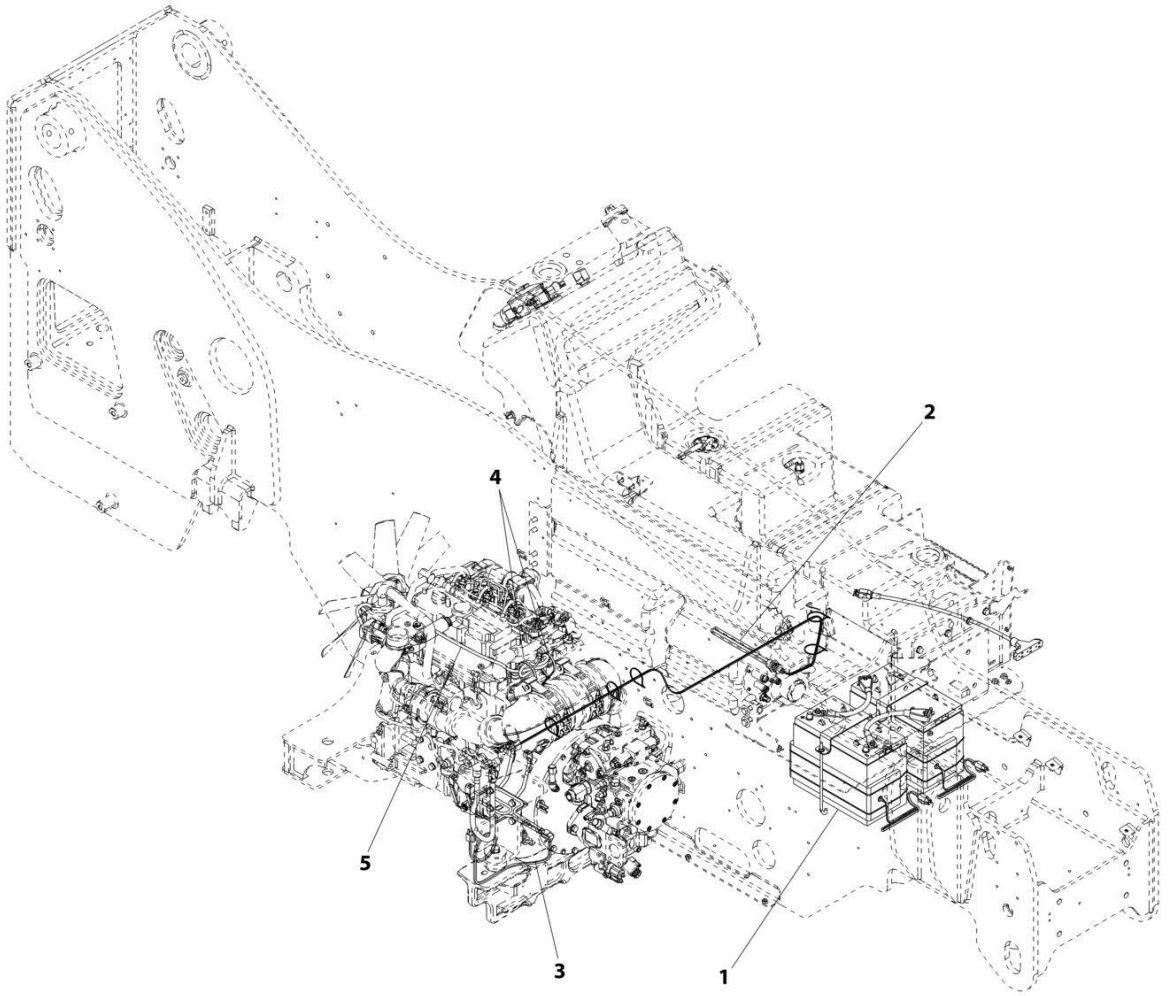


FIGURE 10-5. BATTERY (ARCTIC) PACKAGE INSTALLATION (115V)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186856	Ref	Arctic Battery Package Installation (115V)	D
1	1001195582	1	Installation, Arctic Battery Package (115V) (See Separate Breakdown in this Section)	
2	1001195593	1	Installation, Hydraulic Tank Heater (115V) (See Separate Breakdown in this Section)	
3	2580040	1	Heater, Engine Oil Pan	
4	1062255	2	Tie, Strap	
5	1001232509	1	Tube, Heated Breather	

FIGURE 10-6. BATTERIES (ARCTIC) INSTALLATION (115V)

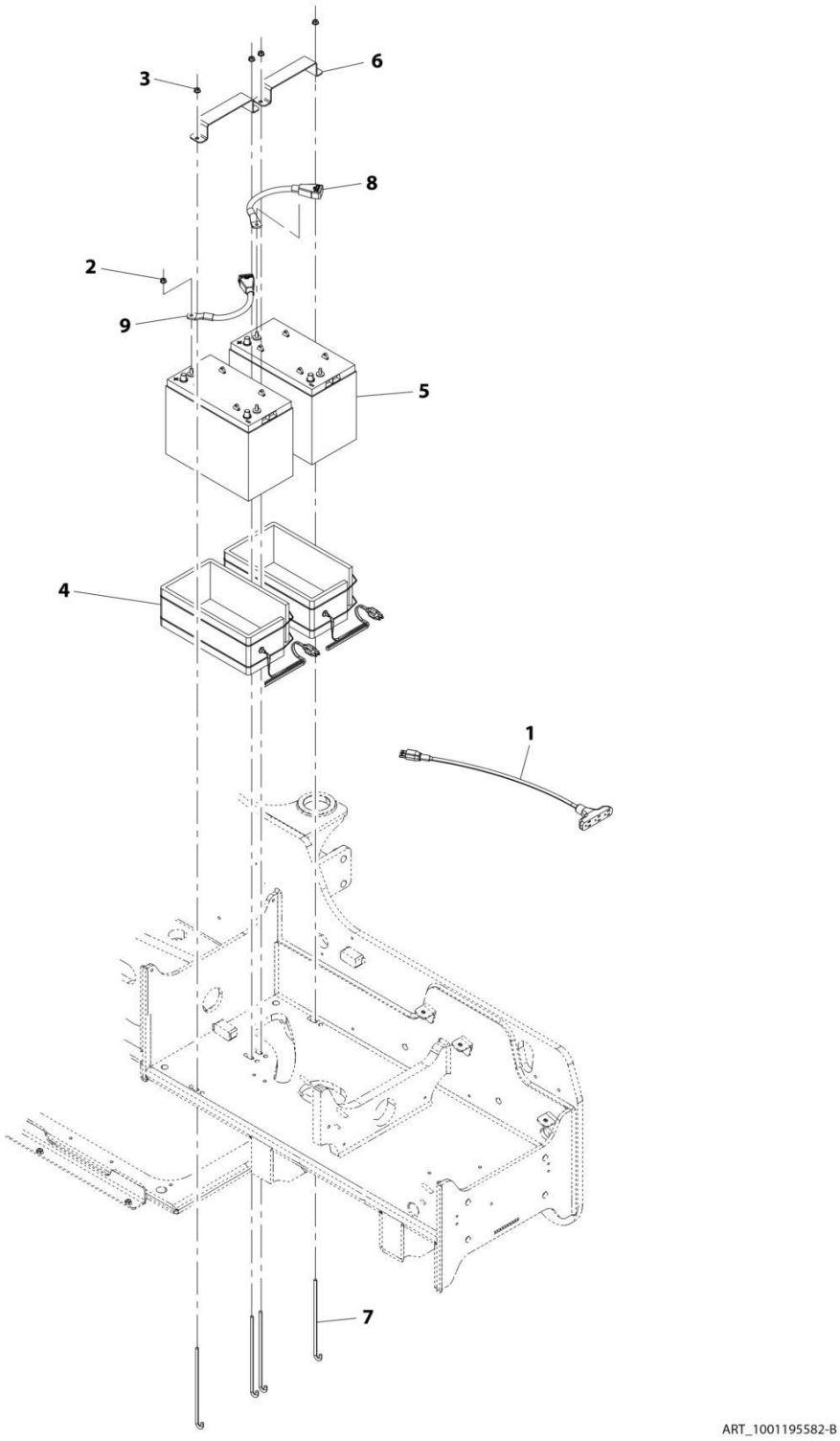


FIGURE 10-6. BATTERIES (ARCTIC) INSTALLATION (115V)

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 10-7. BATTERY (ARCTIC) PACKAGE INSTALLATION (230V)

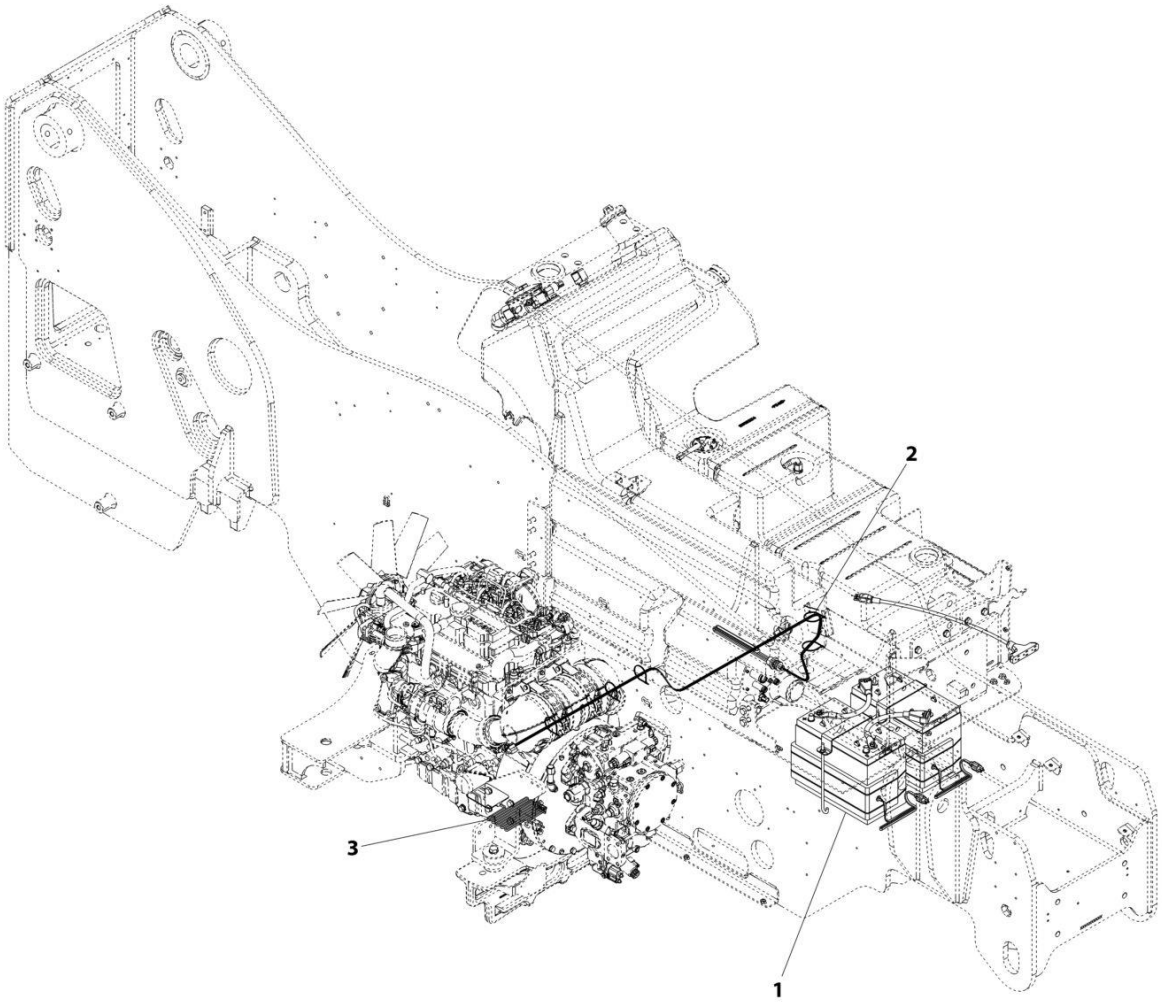


FIGURE 10-7. BATTERY (ARCTIC) PACKAGE INSTALLATION (230V)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204544	Ref	Arctic Package Installation (240V)	C
1	1001204548	Ref	Installation, Arctic Battery, (240V) (See Separate Breakdown in this Section)	
2	1001204549	Ref	Installation, Hydraulic Tank Heater (240V) (See Separate Breakdown in this Section)	
3	1001196332	1	Heater, Oil Pan	

FIGURE 10-8. BATTERIES (ARCTIC) INSTALLATION (230V)

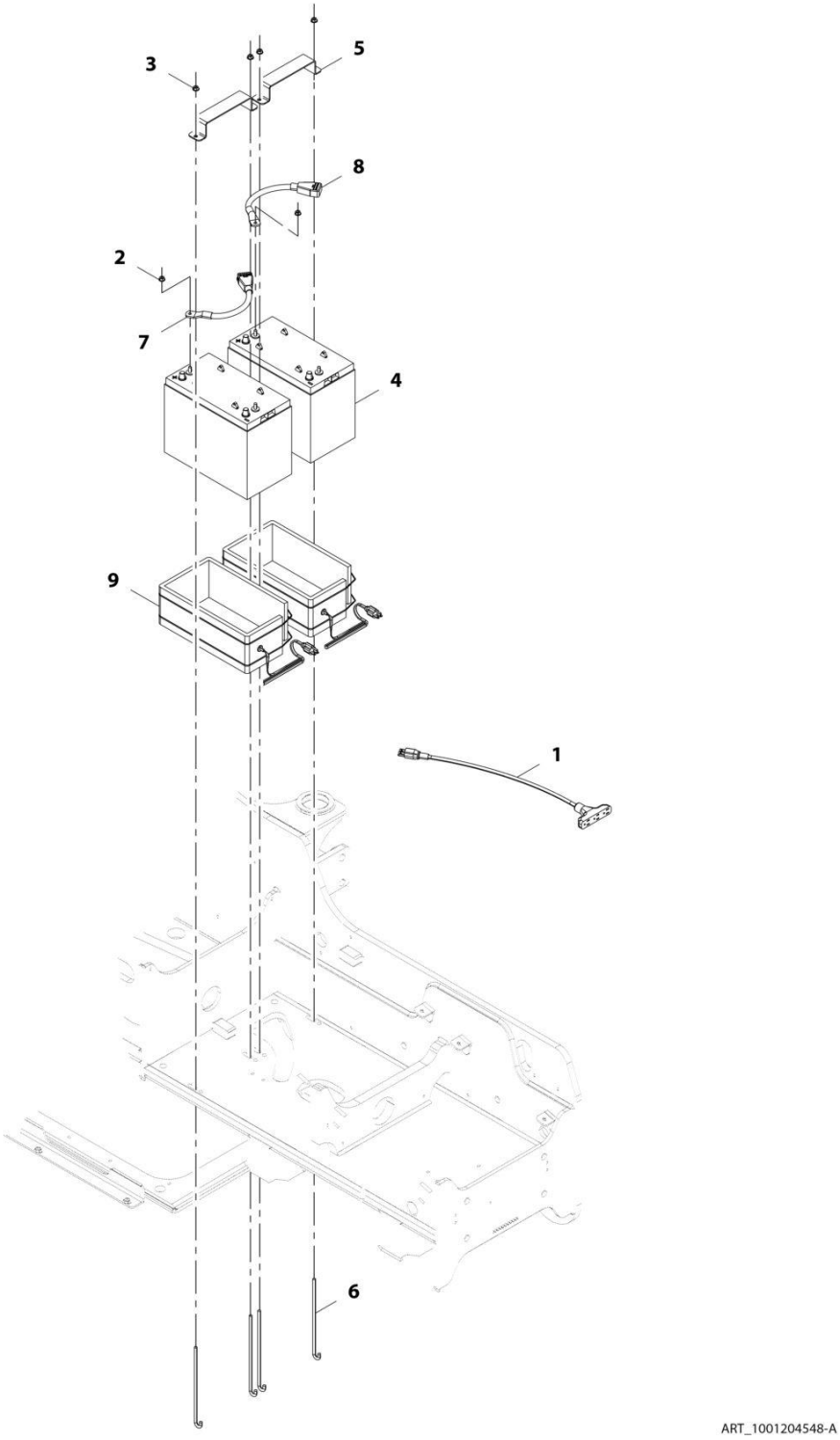


FIGURE 10-8. BATTERIES (ARCTIC) INSTALLATION (230V)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204548	Ref	Artic Battery Package Installation (240V)	A
1	1060626	1	Cord, 3-Way Extension	
2	3311508	2	Nut, 5/16-18	
3	5220800	4	Nut, M8	
4	1001098762	2	Battery, 12V	
5	1001160927	2	Plate, Battery Hold Down	
6	1001160928	4	J-Bolt	
7	1001172495	1	Cable, Positive Battery	
8	1001172496	1	Cable, Negative Battery	
9	1001195469	2	Heater, Battery	

FIGURE 10-9. BEACON INSTALLATION (LED)

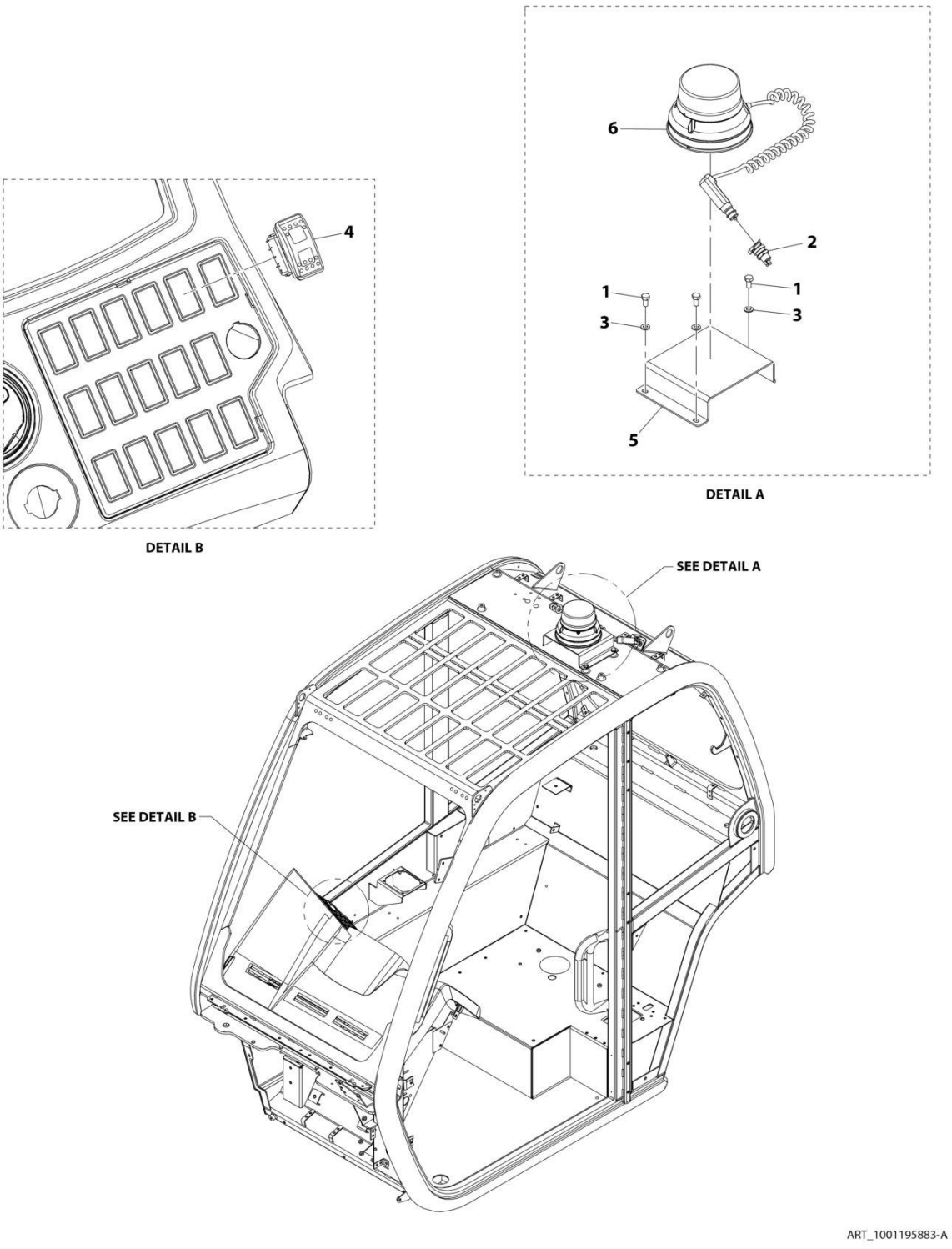


FIGURE 10-9. BEACON INSTALLATION (LED)

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

FIGURE 10-10. BOOM HARNESS INSTALLATION

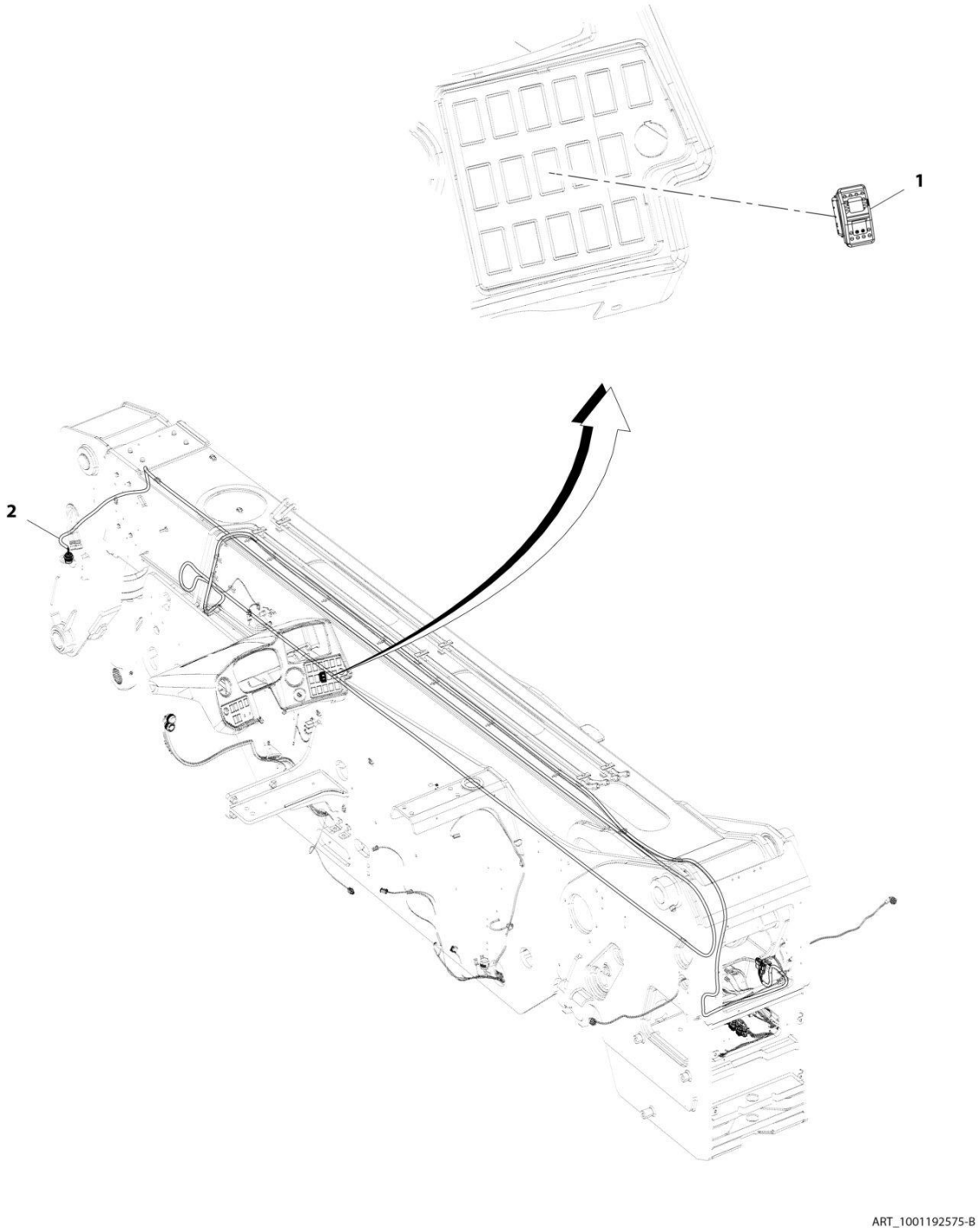


FIGURE 10-10. BOOM HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192575	Ref	Boom Harness Installation	B
1	1001159746	1	Switch, Aux Electric	
2	1001201124	1	Harness, Boom (See Separate Breakdown in this Section)	

FIGURE 10-11. BOOM HARNESS

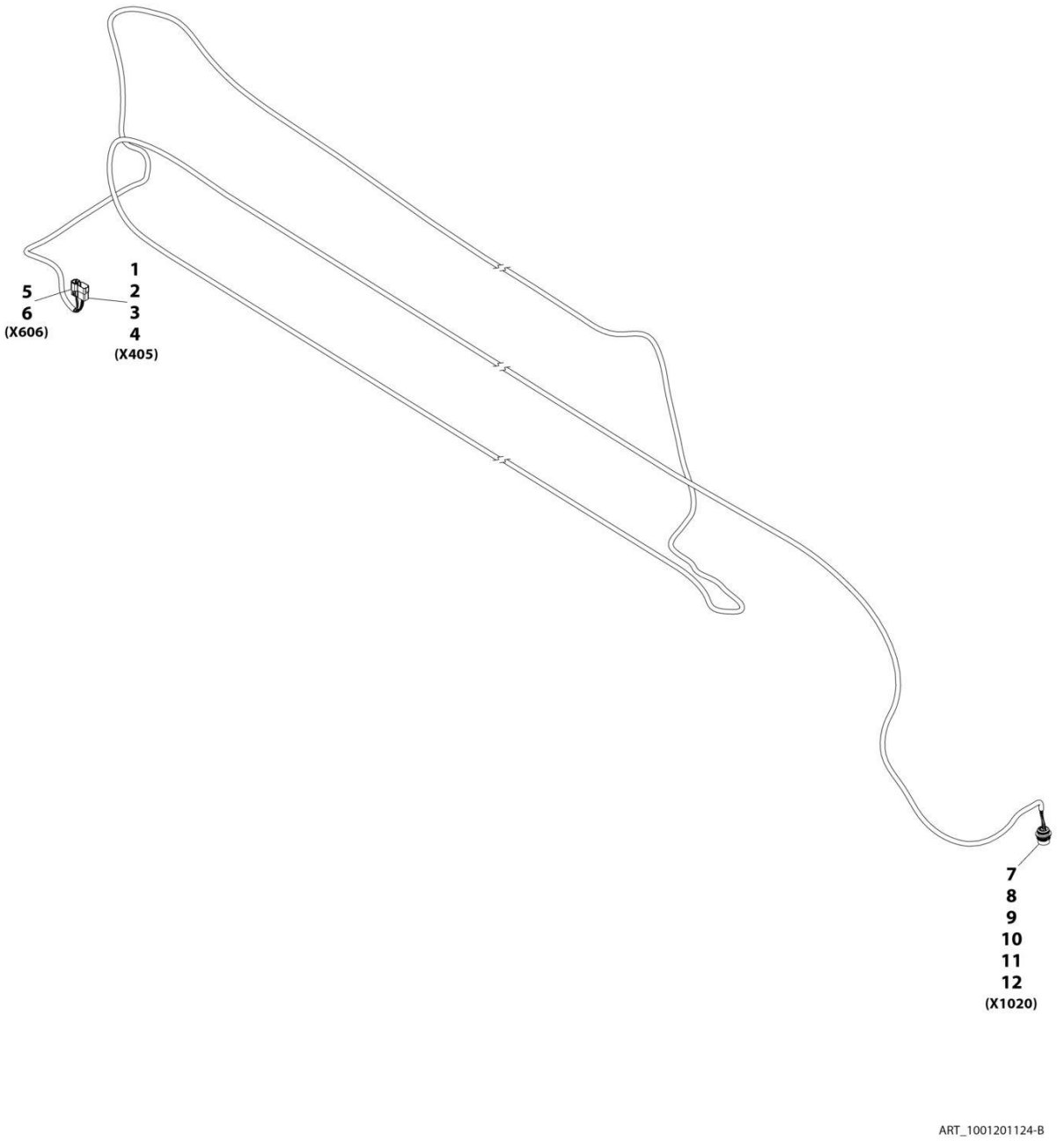


FIGURE 10-11. BOOM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201124	Ref	Boom Harness	B
1	4460931	1	Connector	
2	4460943	2	Terminal	
3	4460464	4	Terminal	
4	4460466	2	Plug	
5	4461017	1	Connector	
6	4460508	2	Terminal	
7	1001112612	1	Connector	
8	1001183221	1	Boot	
9	1001157891	2	Terminal	
10	4460464	4	Terminal	
11	4460943	2	Terminal	
12	4460466	1	Plug	

FIGURE 10-12. BOOM HARNESS INSTALLATION

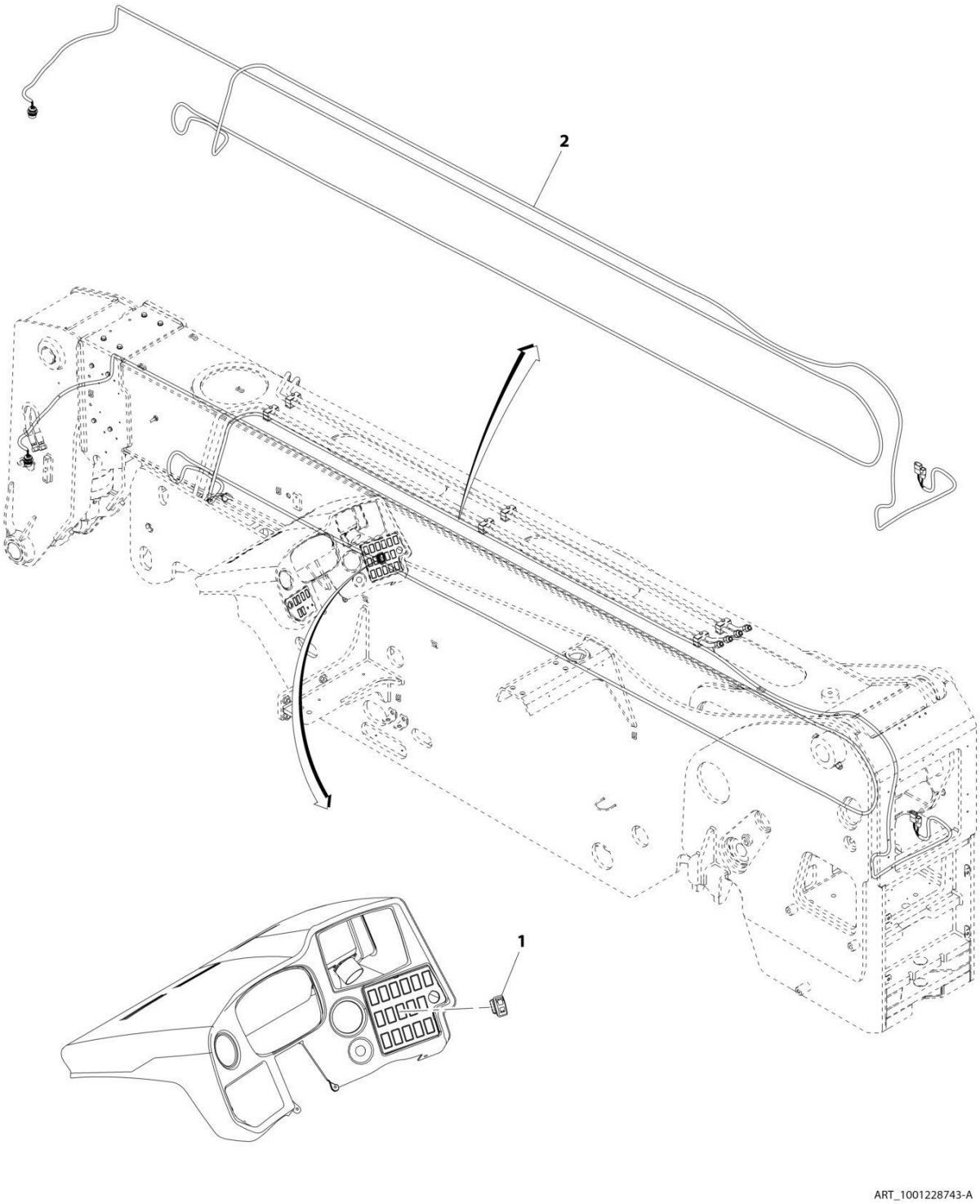


FIGURE 10-12. BOOM HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228743	Ref	Boom Harness Installation	A
1	1001159746	1	Switch, Aux Electric	
2	1001228744	1	Harness, Boom (See Separate Breakdown in this Section)	

FIGURE 10-13. BOOM HARNESS

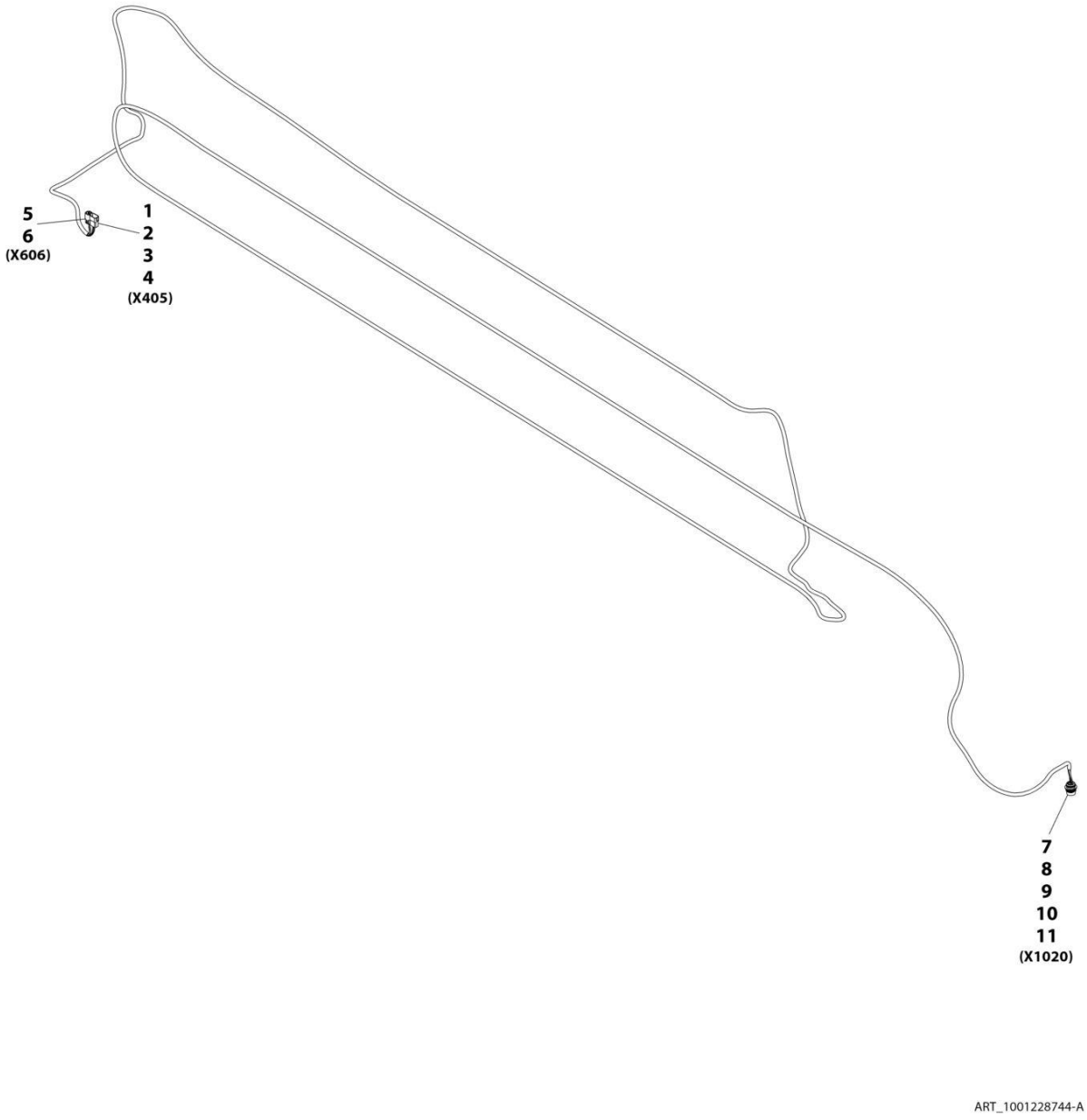


FIGURE 10-13. BOOM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228744	Ref	Boom Harness	A
1	4460931	1	Connector	
2	4460943	2	Terminal	
3	4460464	4	Terminal	
4	4460466	2	Plug	
5	4461017	1	Connector	
6	4460508	2	Terminal	
7	1001112612	1	Connector	
8	1001157891	2	Terminal	
9	4460464	4	Terminal	
10	4460943	2	Terminal	
11	4460466	1	Plug	

FIGURE 10-14. BOOM ANGLE SENSOR INSTALLATION (NO LMIS)

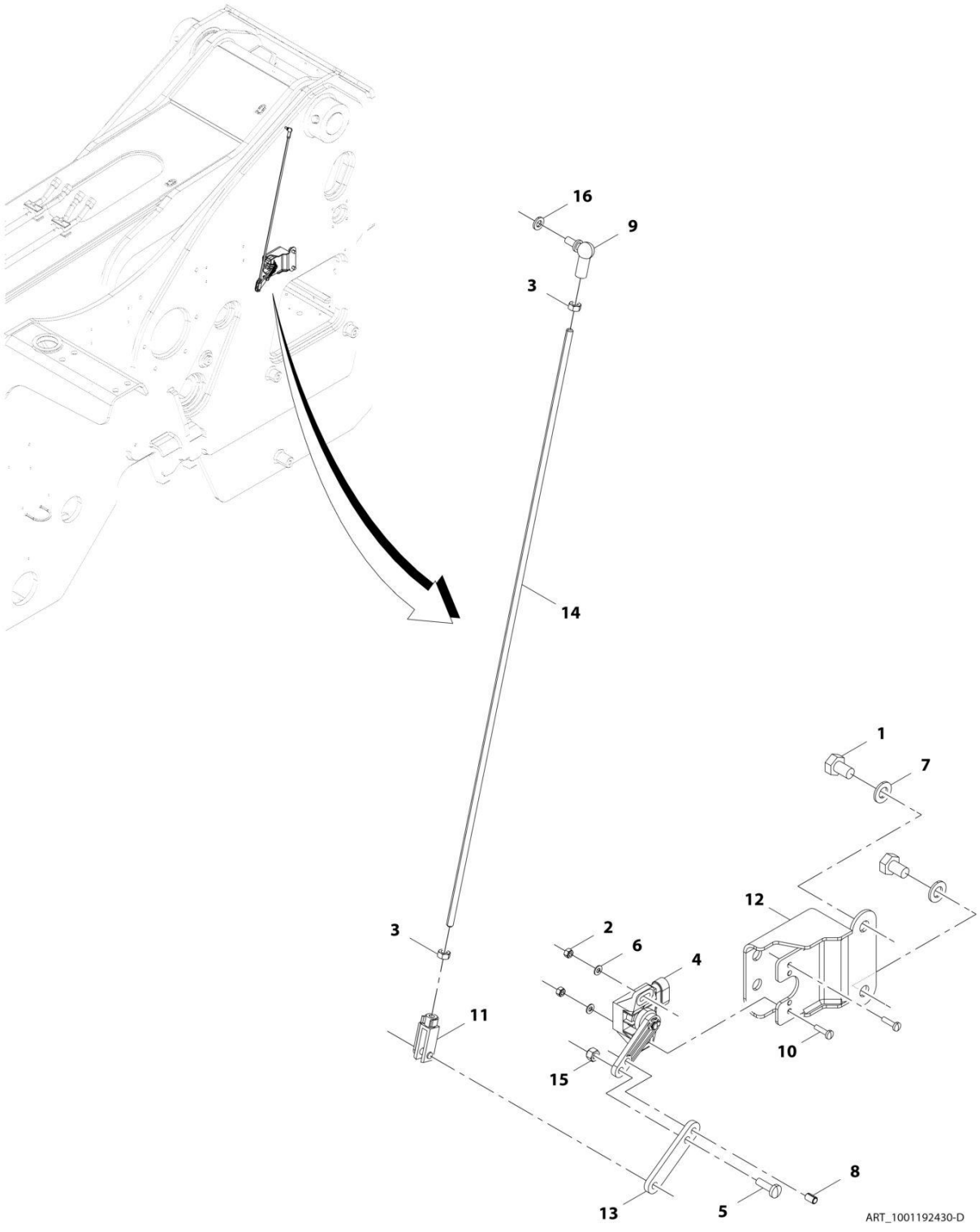


FIGURE 10-14. BOOM ANGLE SENSOR INSTALLATION (NO LMIS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192430	Ref	BOOM ANGLE SENSOR INSTALLATION (NO LMIS)	E
1	0761008	2	Bolt M10X16	
2	3290405	2	Nut, Lock M4	
3	3290601	2	Nut M6	
4	1001278028	1	Sensor, Angle	
5	4010610	1	Screw M6X20	
6	4811400	2	Washer M4	
7	4812000	2	Washer M10	
8	1001103156	1	Pin	
9	1001103300	1	Fitting, Ball Joint	
10	1001126837	2	Screw M4X16	
11	1001134274	1	Clevis	
12	1001213775	1	Bracket	
13	1001195731	1	Link	
14	1001195732	1	Rod	
15	3290605	1	Nut, Lock M6	
16	4811700	1	Washer M6	

FIGURE 10-15. BOOM AUX HARNESS INSTALLATION

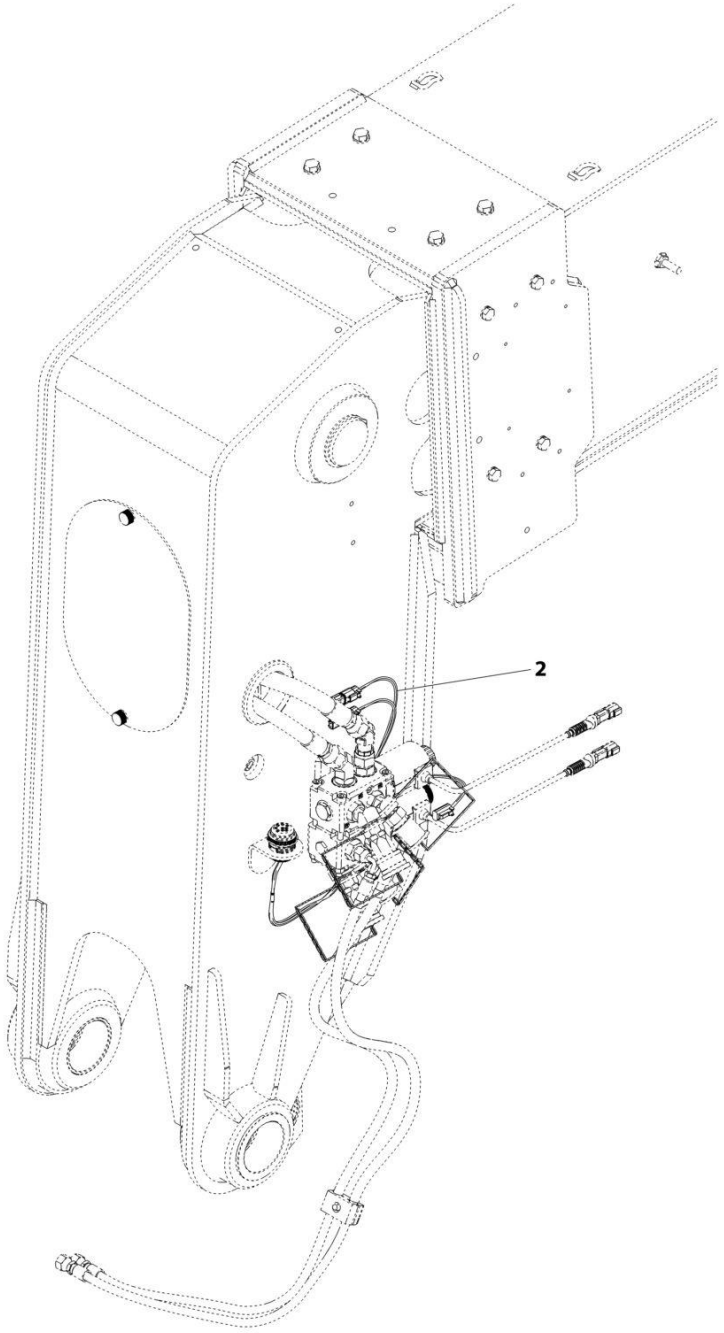


FIGURE 10-15. BOOM AUX HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192370	Ref	Boom Aux Harness Installation	C
2	1001206633	1	Harness, Boom AUX (See Separate Breakdown in this Section)	

FIGURE 10-16. BOOM AUX HARNESS

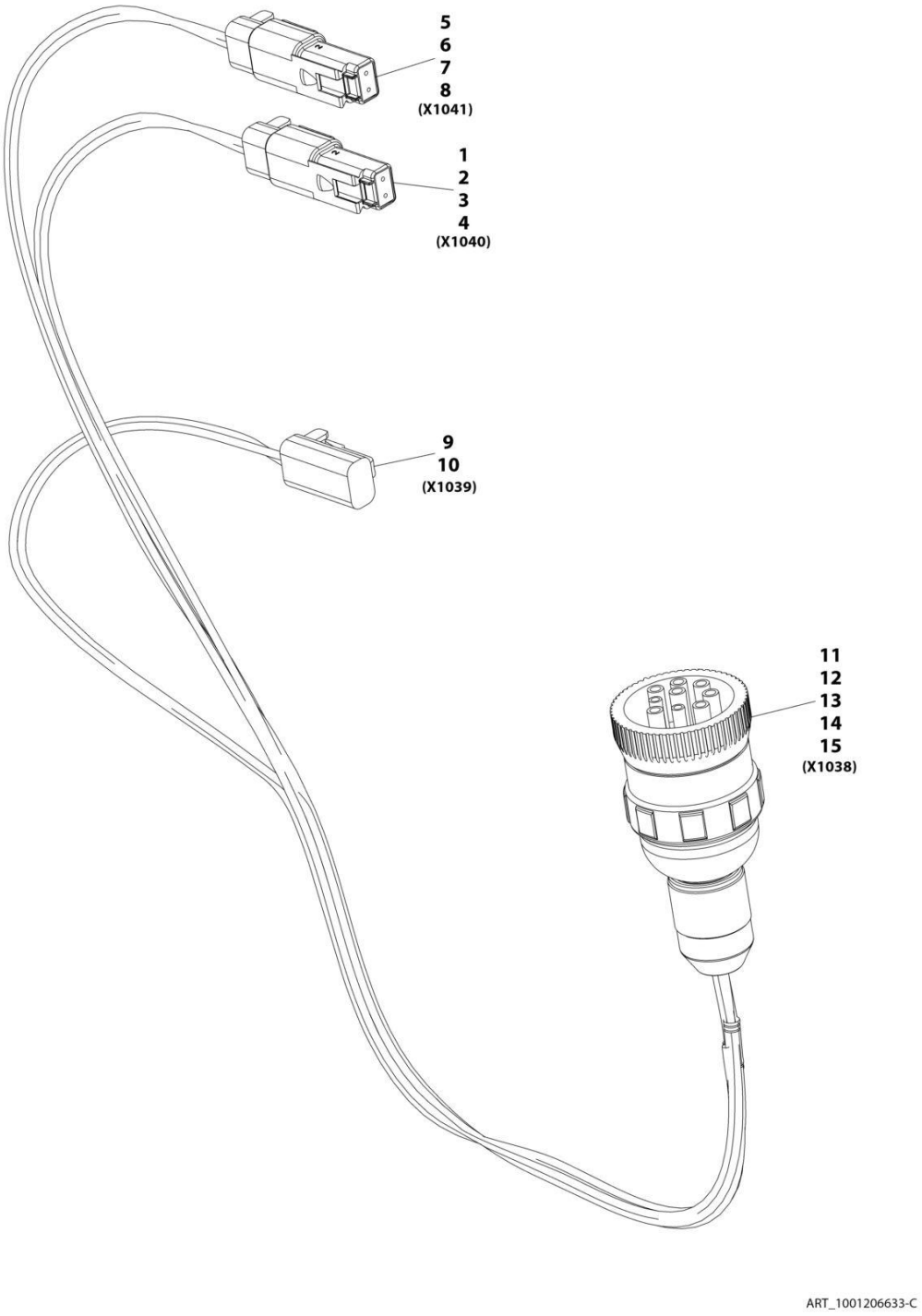


FIGURE 10-16. BOOM AUX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206633	Ref	Boom Aux Harness	C
1	4460891	1	Connector	
2	4460897	1	Mating Connector	
3	4460466	1	Plug	
4	4460465	2	Terminal	
5	4460891	1	Connector	
6	4460897	1	Mating Connector	
7	4460466	1	Terminal	
8	4460465	2	Terminal	
9	4460891	1	Connector	
10	4460465	2	Terminal	
11	1001112796	1	Connector	
12	4460465	4	Terminal	
13	4460466	5	Plug	
14	1001241590	1	Backshell	
15	1001241591	1	Nut	

FIGURE 10-17. BOOM RETRACT SENSOR INSTALLATION

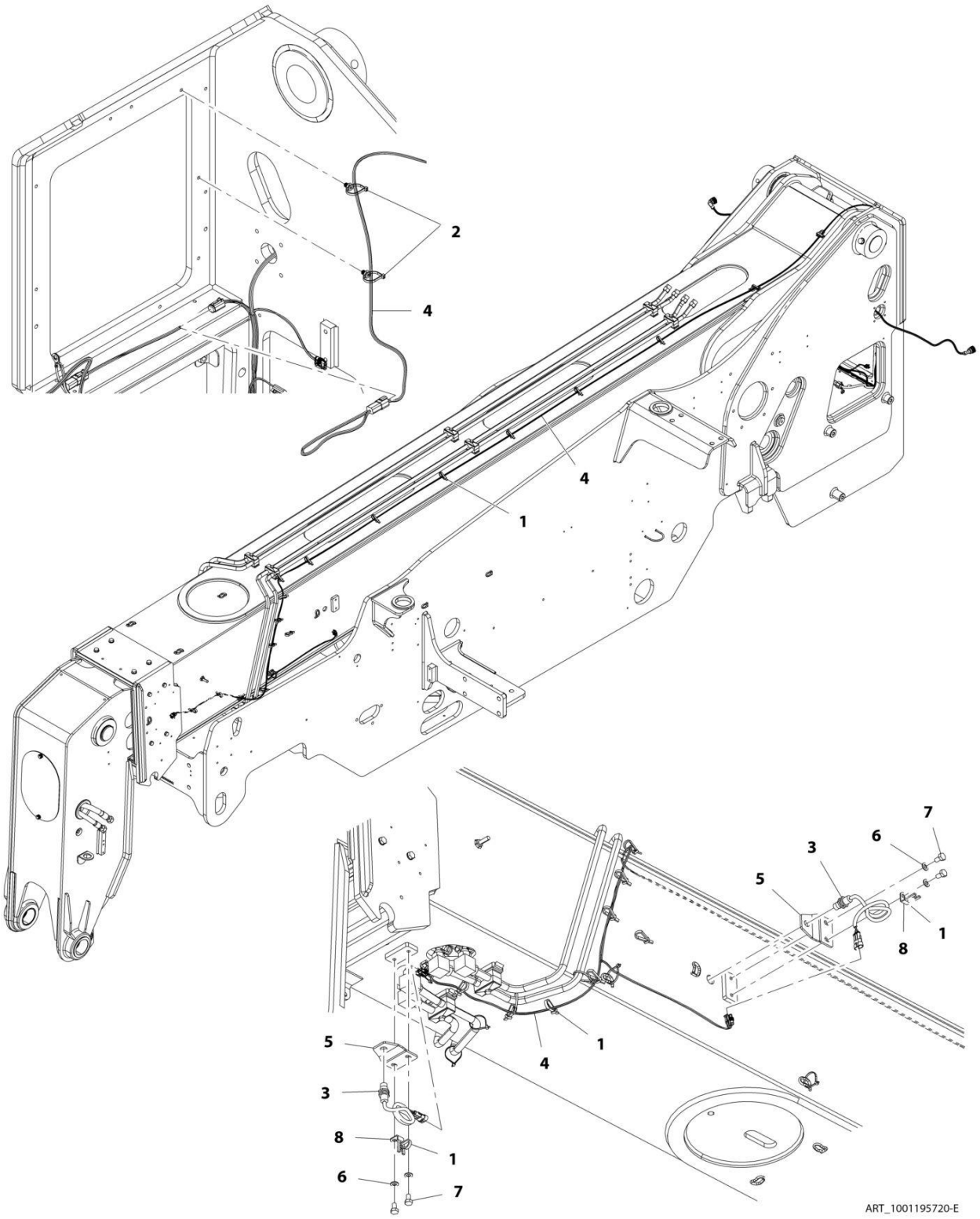


FIGURE 10-17. BOOM RETRACT SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195720	Ref	Boom Retract Sensor Installation	E
1	1001008923	19	Strap, Cable	
2	1001146588	2	Strap, Fir Tree Cable Tie	
3	1001183024	2	Sensor	
4	1001195953	1	Harness, Proximity Sensor	
5	1001210567	2	Bracket	
6	4812000	4	Washer, M10	
7	0761009	4	Bolt	
8	1001003305	2	Clip	

FIGURE 10-18. BOOM RETRACT PROXIMITY SENSOR HARNESS

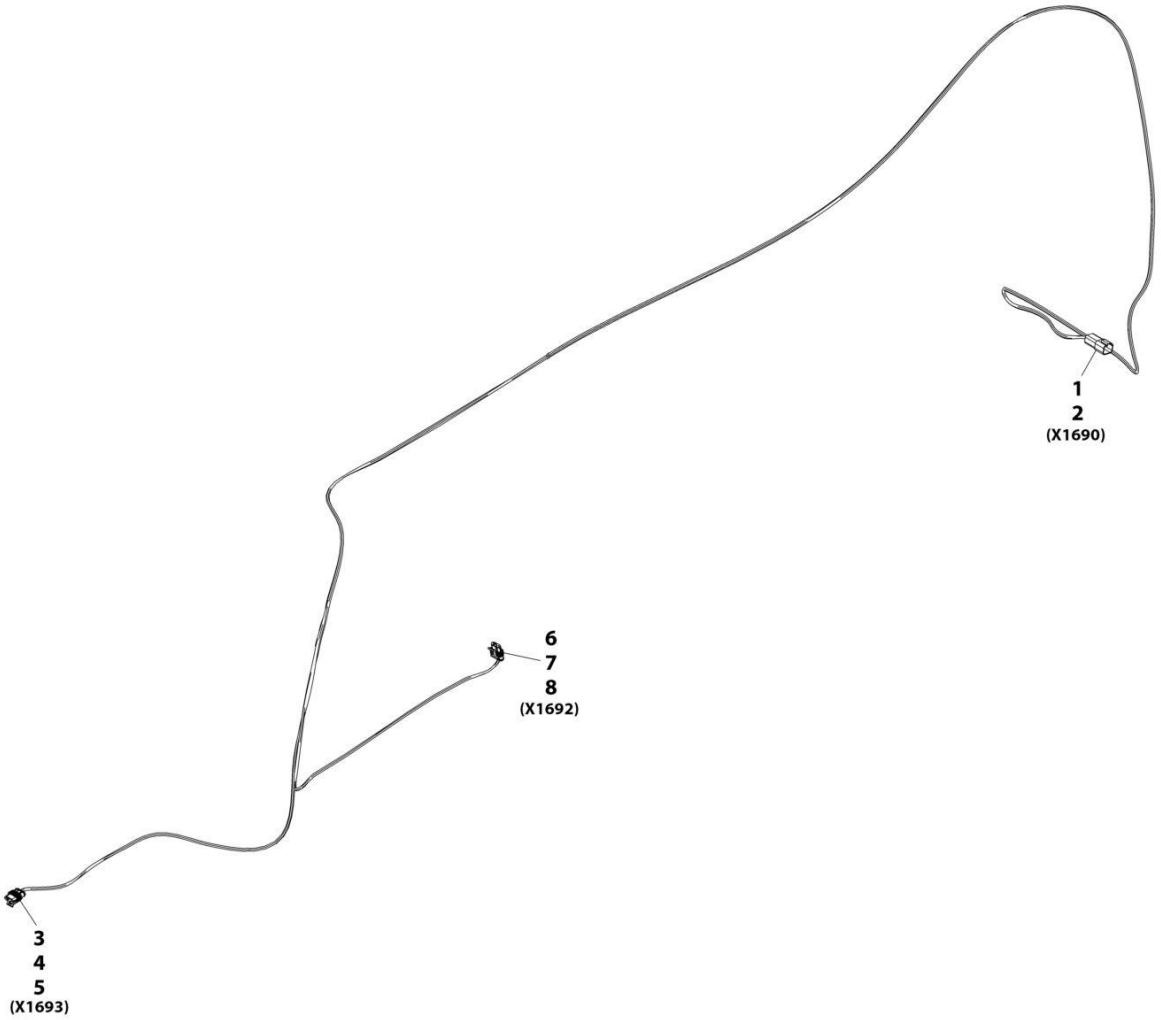


FIGURE 10-18. BOOM RETRACT PROXIMITY SENSOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195953	Ref	Proximity Sensor Harness	G
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 10-19. CAB ELECTRICAL INSTALLATION

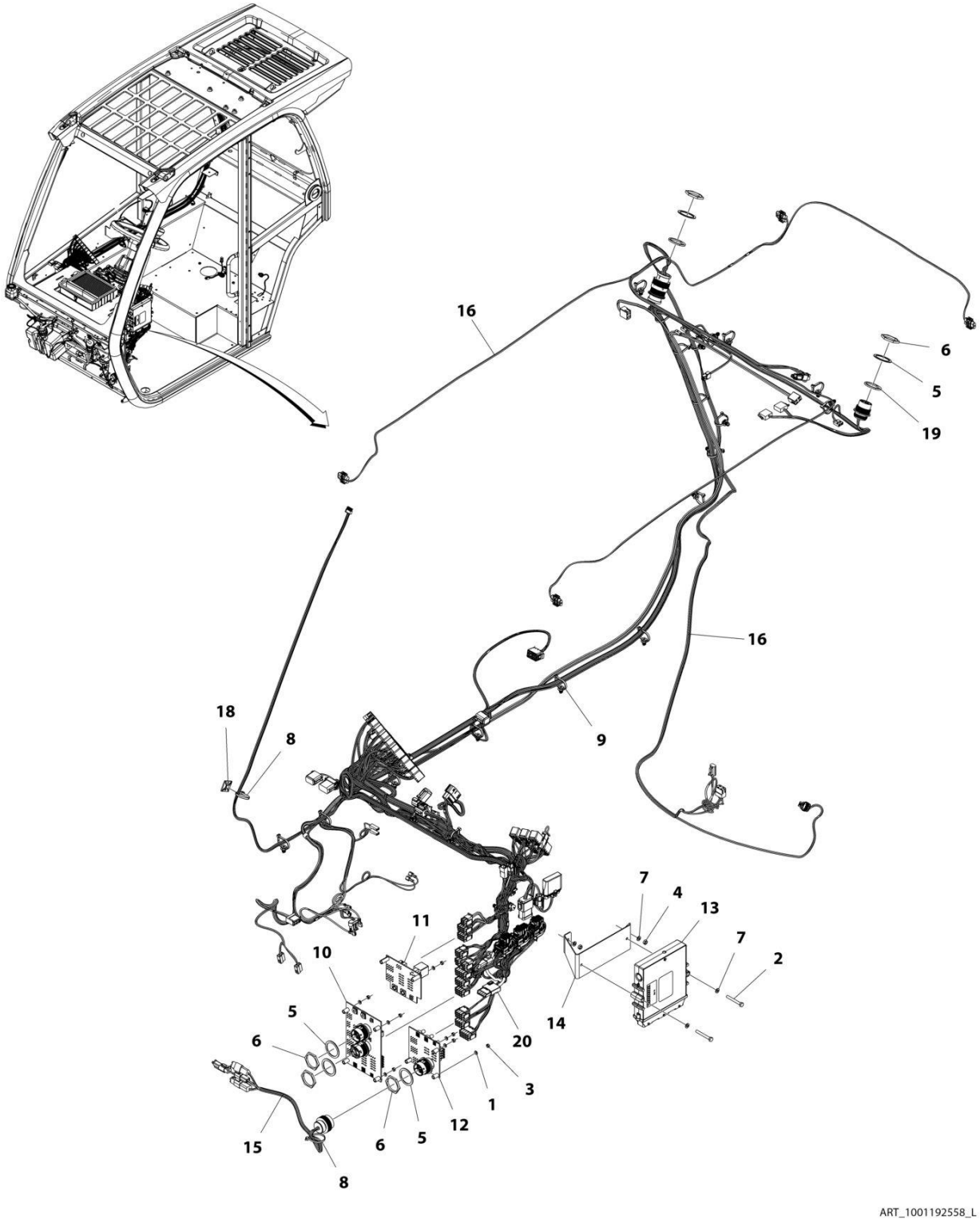
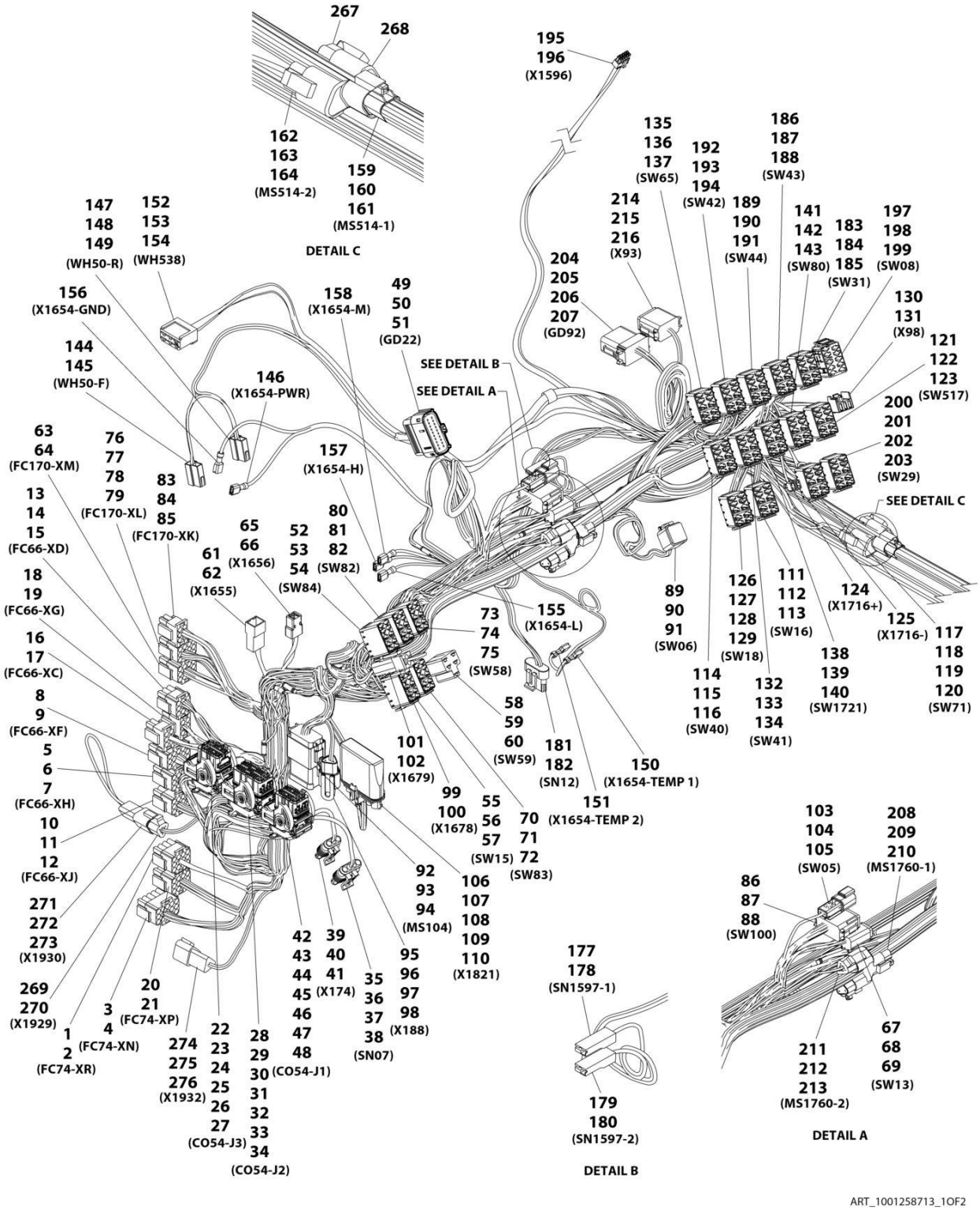
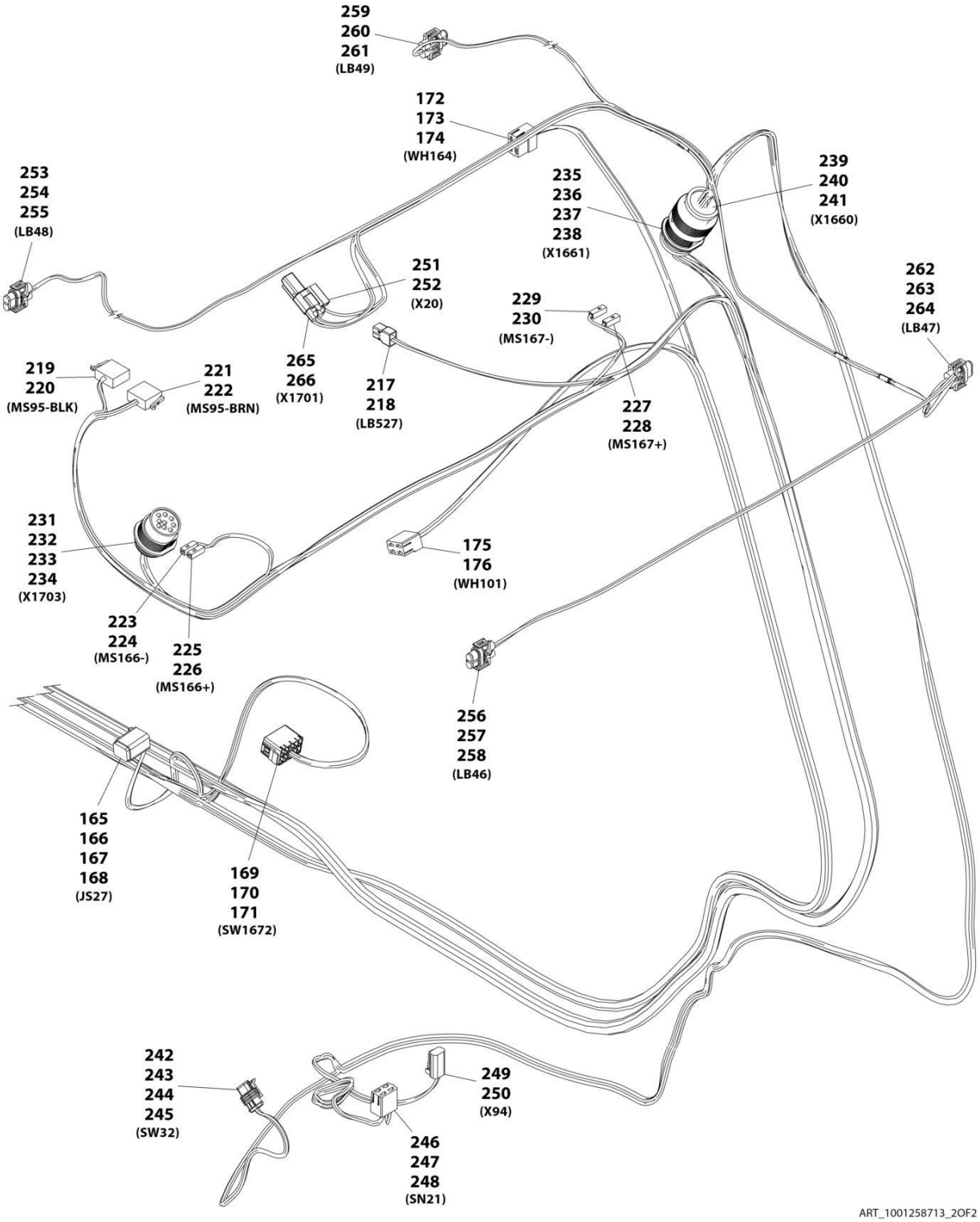


FIGURE 10-19. CAB ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192558	Ref	CAB ELECTRICAL INSTALLATION	L
1	120034	7	Washer, Plastic	
2	0700618	2	Bolt M6 x 50	
3	3290501	7	Nut M5	
4	3290601	2	Nut M6	
5	4460496	5	Washer, Terminal Lock	
6	4460497	5	Nut, Terminal	
7	4811700	4	Washer M6	
8	1001008559	2	Strap, Cable Tie	
9	1001146588	24	Strap, Cable Tie	
10	1001161769	1	Assembly, Standard Electrical Board (See Separate Breakdown in this Section)	
11	1001161770	1	Assembly, Option 1 Electrical Board (See Separate Breakdown in this Section)	
12	1001161771	1	Assembly, Option 2 Electrical Board (See Separate Breakdown in this Section)	
13	1001270466	1	Module, Cab Control	
14	1001178933	1	Bracket	
15	1001258712	1	Harness, Cab Option LBP (See Separate Breakdown in this Section)	
16	1001258713	1	Harness, Cab (See Separate Breakdown in this Section)	
18	4460234	1	Terminal, Mount Cable Tie	
19	1001211693	2	Seal	
20	1001213988	1	Cable, Communication Analyzer	

FIGURE 10-20. CAB HARNESS




259
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173
174
(WH164)
253
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(LB48)
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(X1661)
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240
241
(X1660)
251
252
(X20)
229
230
(MS167-)
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263
264
(LB47)
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(MS95-BLK)
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222
(MS95-BRN)
265
266
(X1701)
217
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(LB527)
227
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(MS167+)
231
232
233
234
(X1703)
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(WH101)
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(MS166+)
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(JS27)
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(SW1672)
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243
244
245
(SW32)
249
250
(X94)
246
247
248
(SN21)
ART_1001258713_2OF2

FIGURE 10-20. CAB HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258713	Ref	Cab Harness	B
1	4460343	1	Connector	
2	4460267	3	Terminal	
3	4460434	1	Connector	
4	4460268	9	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	8	Terminal	
12	1001223456	1	Terminal	
13	4460265	1	Connector	
14	1001223457	3	Terminal	
15	4460268	6	Terminal	
16	4460225	1	Connector	
17	4460267	5	Terminal	
18	4460225	1	Connector	
19	4460268	5	Terminal	
20	4460343	1	Connector	
21	4460268	8	Terminal	
22	1001161959	1	Connector	
23	943191201	1	Cover	
24	1001161100	10	Plug	
25	1001161097	14	Terminal	
26	1001161098	1	Terminal	
27	1001161101	7	Plug	
28	1001160502	1	Connector	
29	643201301	1	Cover	
30	1001161097	19	Terminal	
31	1001161100	19	Plug	
32	1001161098	5	Terminal	
33	1001161099	1	Terminal	
34	1001161101	2	Plug	
35	1001103012	1	Connector	
36	1001116698	2	Plug	
37	1001116697	2	Terminal	
38	1001104498	2	Terminal Seal	
39	4461262	1	Connector	
40	1001107854	3	Terminal	
41	1001104498	3	Terminal Seal	
42	1001160498	1	Connector	
43	643191201	1	Cover	
44	1001161097	19	Terminal	
45	1001161100	5	Plug	
46	1001161098	5	Terminal	
47	1001161101	2	Plug	
48	1001161099	1	Terminal	
49	1001162886	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001163340	13	Plug	
51	1001162887	7	Terminal	
52	1001117081	1	Connector	
53	1001116723	6	Terminal	
54	1001222455	1	Terminal	
55	1001117081	1	Connector	
56	1001116723	6	Terminal	
57	1001223455	1	Terminal	
58	1001173411	1	Connector	
59	1001116716	3	Terminal	
60	1001104519	3	Terminal	
61	1001116999	1	Connector	
62	1001116700	4	Terminal	
63	4460343	1	Connector	
64	4460267	7	Terminal	
65	1001116991	1	Connector	
66	1001116723	2	Terminal	
67	4460933	1	Connector	
68	4460466	5	Plug	
69	4460465	7	Terminal	
70	1001117081	1	Connector	
71	1001116723	6	Terminal	
72	1001223455	1	Terminal	
73	1001117081	1	Connector	
74	1001116723	4	Terminal	
75	1001118384	2	Terminal	
76	4460343	1	Connector	
77	4460268	8	Terminal	
78	4460906	1	Terminal	
79	1001223457	1	Terminal	
80	1001117081	1	Connector	
81	1001116723	6	Terminal	
82	1001223455	1	Terminal	
83	4460225	1	Connector	
84	4460267	5	Terminal	
85	4460705	1	Terminal	
86	4460836	1	Connector	
87	4460942	4	Terminal	
88	4460465	8	Terminal	
89	4460894	1	Connector	
90	4460465	4	Terminal	
91	4460466	2	Plug	
92	4460933	1	Connector	
93	1001125677	1	Mating Connector	
94	4460465	12	Terminal	
95	1001116812	1	Connector	
96	1001144296	1	Cap	
97	4460944	2	Terminal	
98	4460466	1	Plug	
99	4460320	1	Connector	
100	4460267	2	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460424	1	Connector	
102	4460268	2	Terminal	
103	4460897	1	Connector	
104	4460464	1	Terminal	
105	4460466	1	Plug	
106	4460744	1	Connector	
107	8220375	1	Cap	
108	4460748	2	Plug	
109	4460746	4	Terminal	
110	4460458	4	Seal	
111	1001117081	1	Connector	
112	1001116723	6	Terminal	
113	1001223455	1	Terminal	
114	1001117081	1	Connector	
115	1001116723	6	Terminal	
116	1001118384	4	Terminal	
117	1001117081	1	Connector	
118	1001116723	6	Terminal	
119	1001118384	2	Terminal	
120	1001223455	2	Terminal	
121	1001117081	1	Connector	
122	1001116723	6	Terminal	
123	1001223455	1	Terminal	
124	1001194421	1	Terminal	
125	1001194421	1	Terminal	
126	1001117081	1	Connector	
127	1001116723	6	Terminal	
128	1001223455	3	Terminal	
129	1001118384	2	Terminal	
130	1001118684	1	Connector	
131	1001116754	2	Terminal	
132	1001117081	1	Connector	
133	1001116723	4	Terminal	
134	1001118384	3	Terminal	
135	1001117081	1	Connector	
136	1001116723	5	Terminal	
137	1001223455	1	Terminal	
138	1001117081	1	Connector	
139	1001116723	6	Terminal	
140	1001118384	1	Terminal	
141	1001117081	1	Connector	
142	1001116723	6	Terminal	
143	1001223455	1	Terminal	
144	4460994	1	Connector	
145	1001118384	2	Terminal	
146	8220051	1	Terminal	
147	4460994	1	Connector	
148	1001118384	1	Terminal	
149	1001116723	2	Terminal	
150	1001194421	1	Terminal	
151	1001194421	1	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
152	1001116997	1	Connector	
153	1001118384	4	Terminal	
154	1001116723	1	Terminal	
155	8220051	1	Terminal	
156	8220051	1	Terminal	
157	8220051	1	Terminal	
158	8220051	1	Terminal	
159	1001116812	1	Connector	
160	4460944	2	Terminal	
161	4460466	1	Plug	
162	4460539	1	Connector	
163	4460944	2	Terminal	
164	4460466	1	Plug	
165	4460894	1	Connector	
166	4460465	3	Terminal	
167	4460466	1	Plug	
168	4460944	2	Terminal	
169	1001117081	1	Connector	
170	1001116723	2	Terminal	
171	1001223455	4	Terminal	
172	1001116986	1	Connector	
173	1001117011	1	Mating Connector	
174	1001118384	4	Terminal	
175	1001116986	1	Connector	
176	1001118384	4	Terminal	
177	1001116995	1	Connector	
178	1001118379	1	Terminal	
179	1001116995	1	Connector	
180	1001118379	1	Terminal	
181	1001230931	1	Connector	
182	1001116748	6	Terminal	
183	1001117081	1	Connector	
184	1001116723	4	Terminal	
185	1001118384	2	Terminal	
186	1001117081	1	Connector	
187	1001116723	4	Terminal	
188	1001118384	2	Terminal	
189	1001117081	1	Connector	
190	1001116723	4	Terminal	
191	1001118384	2	Terminal	
192	1001117081	1	Connector	
193	1001116723	4	Terminal	
194	1001118384	2	Terminal	
195	1001150735	1	Connector	
196	1001150737	7	Terminal	
197	1001117079	1	Connector	
198	1001223455	2	Terminal	
199	1001116723	6	Terminal	
200	1001117081	1	Connector	
201	1001116723	8	Terminal	
202	1001118384	1	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
203	1001223455	1	Terminal	
204	1001176333	1	Connector	
205	4460466	11	Plug	
206	4460465	3	Terminal	
207	4460944	4	Terminal	
208	1001116812	1	Connector	
209	4460944	2	Terminal	
210	4460466	1	Plug	
211	4460539	1	Connector	
212	4460944	2	Terminal	
213	4460466	1	Plug	
214	4460930	1	Connector	
215	4460931	1	Mating Connector	
216	4460466	6	Plug	
217	1001116991	1	Connector	
218	1001118384	2	Terminal	
219	1001116985	1	Connector	
220	1001118386	3	Terminal	
221	1001116984	1	Connector	
222	1001118386	4	Terminal	
223	1001116998	1	Connector	
224	1001118387	1	Terminal	
225	1001116998	1	Connector	
226	1001118387	1	Terminal	
227	1001116998	1	Connector	
228	1001118387	1	Terminal	
229	1001116998	1	Connector	
230	1001118387	1	Terminal	
231	1001112612	1	Connector	
232	4460464	3	Terminal	
233	4460943	2	Terminal	
234	4460466	4	Plug	
235	1001137000	1	Connector	
236	4460928	3	Terminal	
237	1001126008	12	Terminal	
238	4460518	6	Plug	
239	1001136999	1	Connector	
240	1001126011	15	Terminal	
241	4460518	6	Plug	
242	4461262	1	Connector	
243	1001107854	2	Terminal	
244	1001104499	1	Terminal	
245	1001104498	2	Terminal Seal	
246	1001116986	1	Connector	
247	1001118384	3	Terminal	
248	1001116723	1	Terminal	
249	4460891	1	Connector	
250	4460465	2	Terminal	
251	4460944	1	Connector	
252	1001118384	2	Terminal	
253	4461115	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
254	4460746	2	Terminal	
255	4460458	2	Terminal Seal	
256	4461115	1	Connector	
257	4460746	2	Terminal	
258	4460458	2	Terminal Seal	
259	4461115	1	Connector	
260	4460746	2	Terminal	
261	4460458	2	Terminal Seal	
262	4461115	1	Connector	
263	4460746	2	Terminal	
264	4460458	2	Terminal Seal	
265	4460891	1	Connector	
266	4460465	2	Terminal	
267	1001116815	1	Connector	
268	4460945	1	Connector, 3 Way	
269	4460539	1	Connector	
270	4460465	2	Terminal	
271	4460536	1	Connector	
272	4460464	2	Terminal	
273	4460466	1	Plug	
274	4460536	1	Connector	
275	4460464	2	Terminal	
276	4460466	1	Plug	

FIGURE 10-21. CAB - STANDARD ELECTRICAL BOARD ASSEMBLY

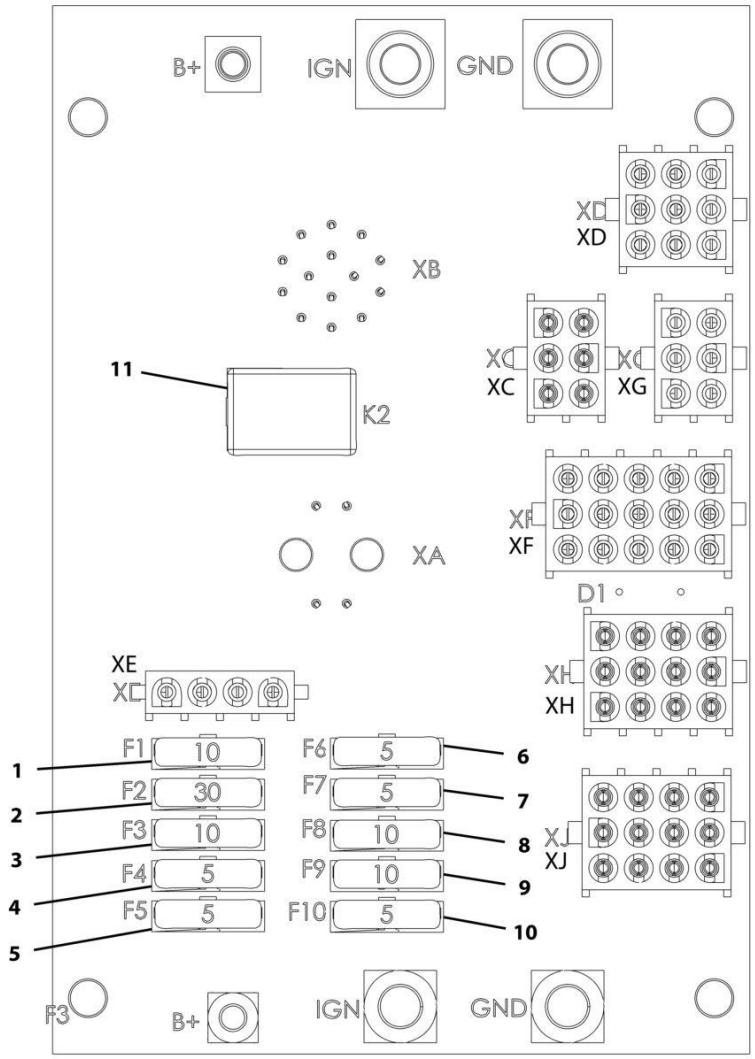


FIGURE 10-21. CAB - STANDARD ELECTRICAL BOARD ASSEMBLY

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

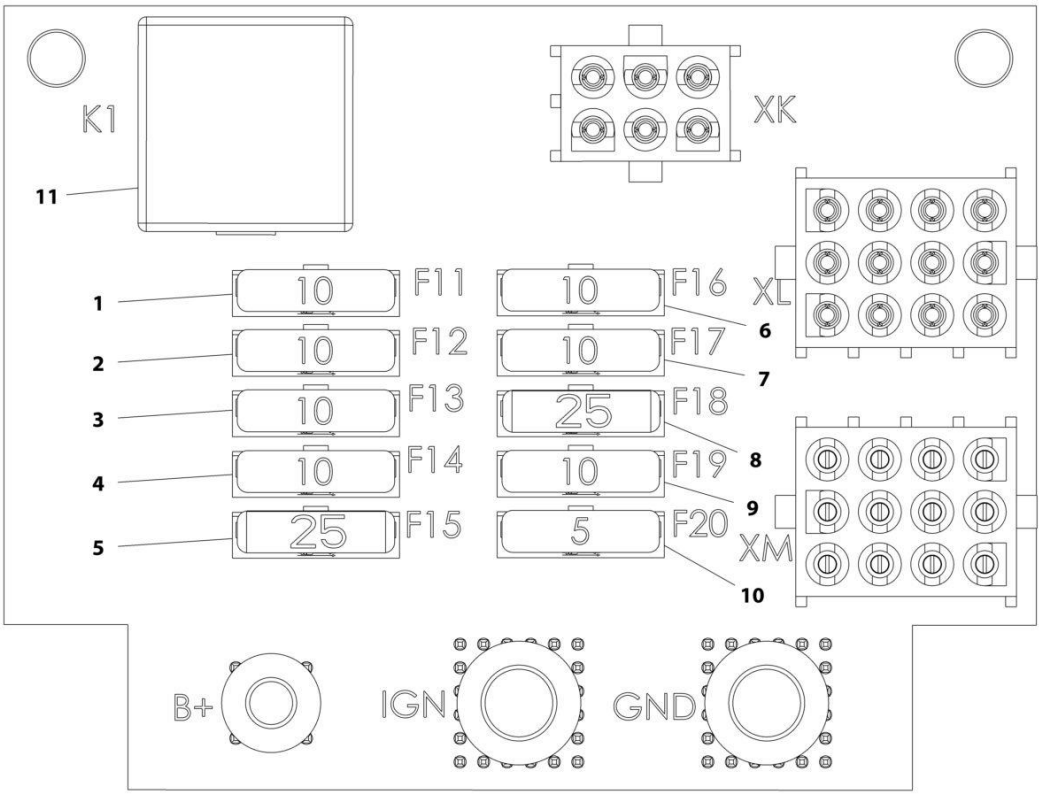
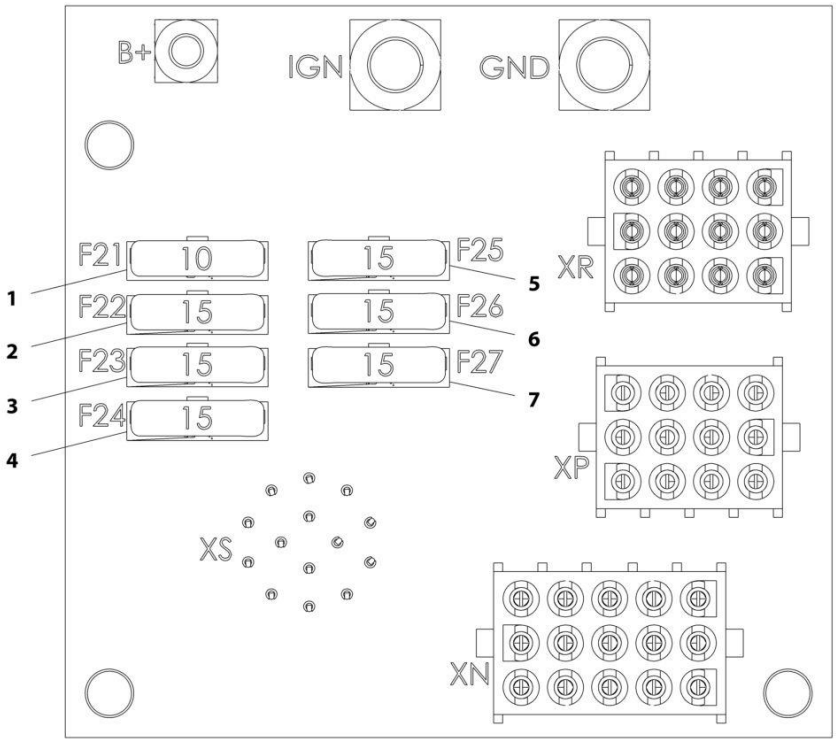


FIGURE 10-22. CAB - OPTION 1 ELECTRICAL BOARD ASSEMBLY

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 OPTION HARNESS

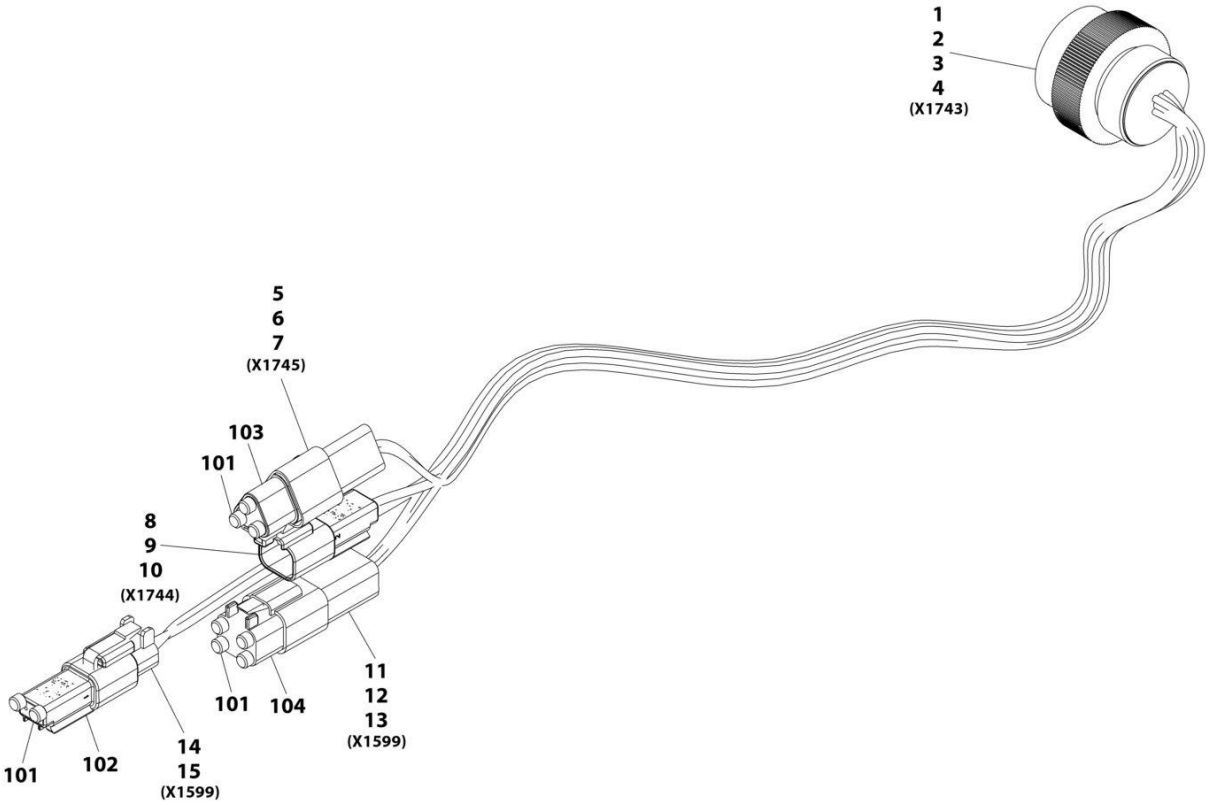


FIGURE 10-24. CAB OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258712	Ref	Cab Option Harness	A
1	4461015	1	Connector	
2	4460465	5	Terminal	
3	4460466	6	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	4460932	1	Connector	
12	4460464	3	Terminal	
13	4460466	1	Plug	
14	4460891	1	Plug, Male	
15	4460465	2	Socket, Female	
101	4460466	9	Plug, Terminal	
102	4460884	1	Plug, Male - 4 Position	
103	1001116812	1	Plug, Male - 3 Position	
104	4460897	2	Plug, Male - 2 Position	

FIGURE 10-25. CAB - A/C OPTION HARNESS

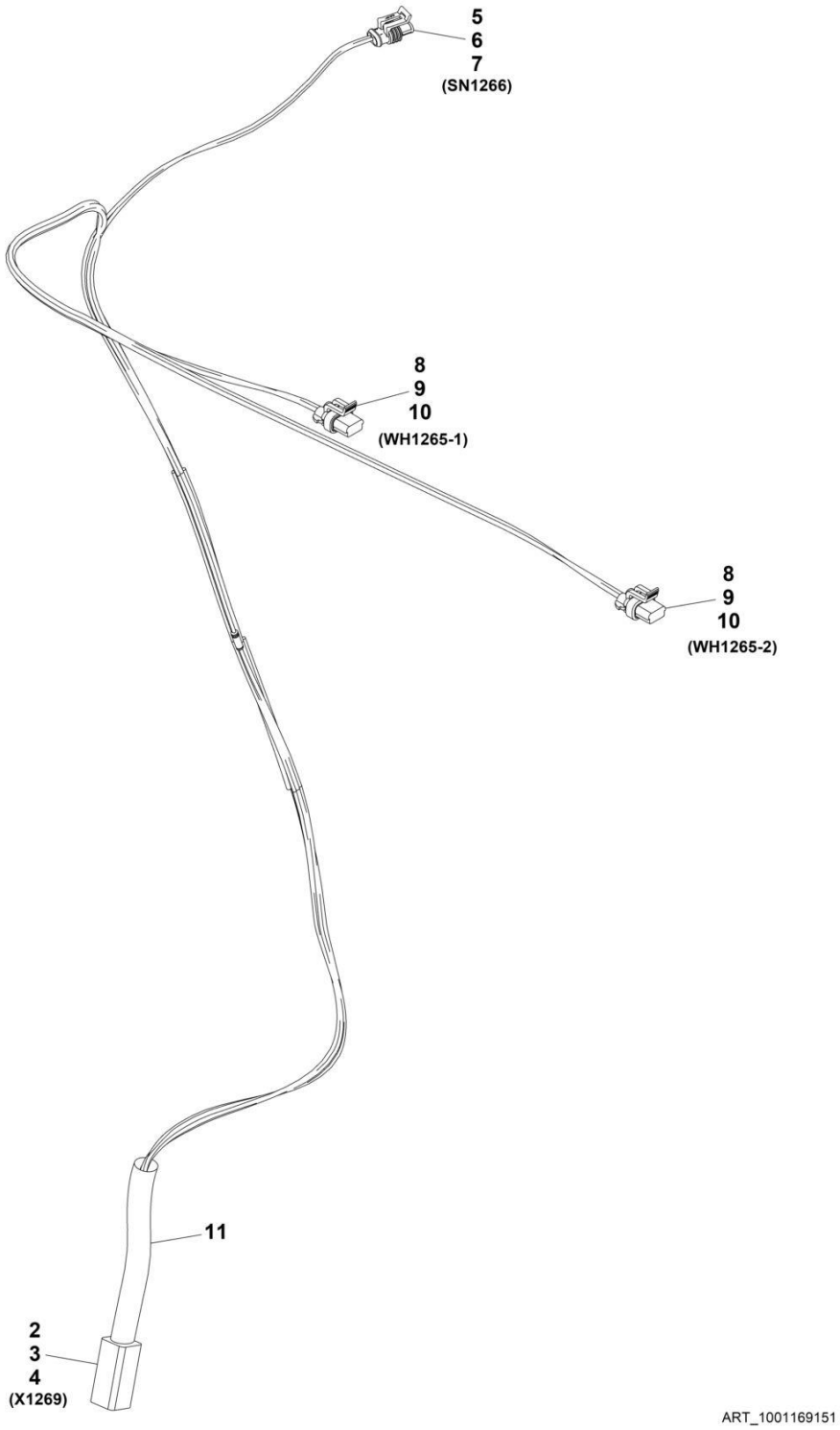


FIGURE 10-25. CAB - A/C OPTION HARNESS

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 10-26. CAB - DASH ELECTRICAL INSTALLATION (ULS)

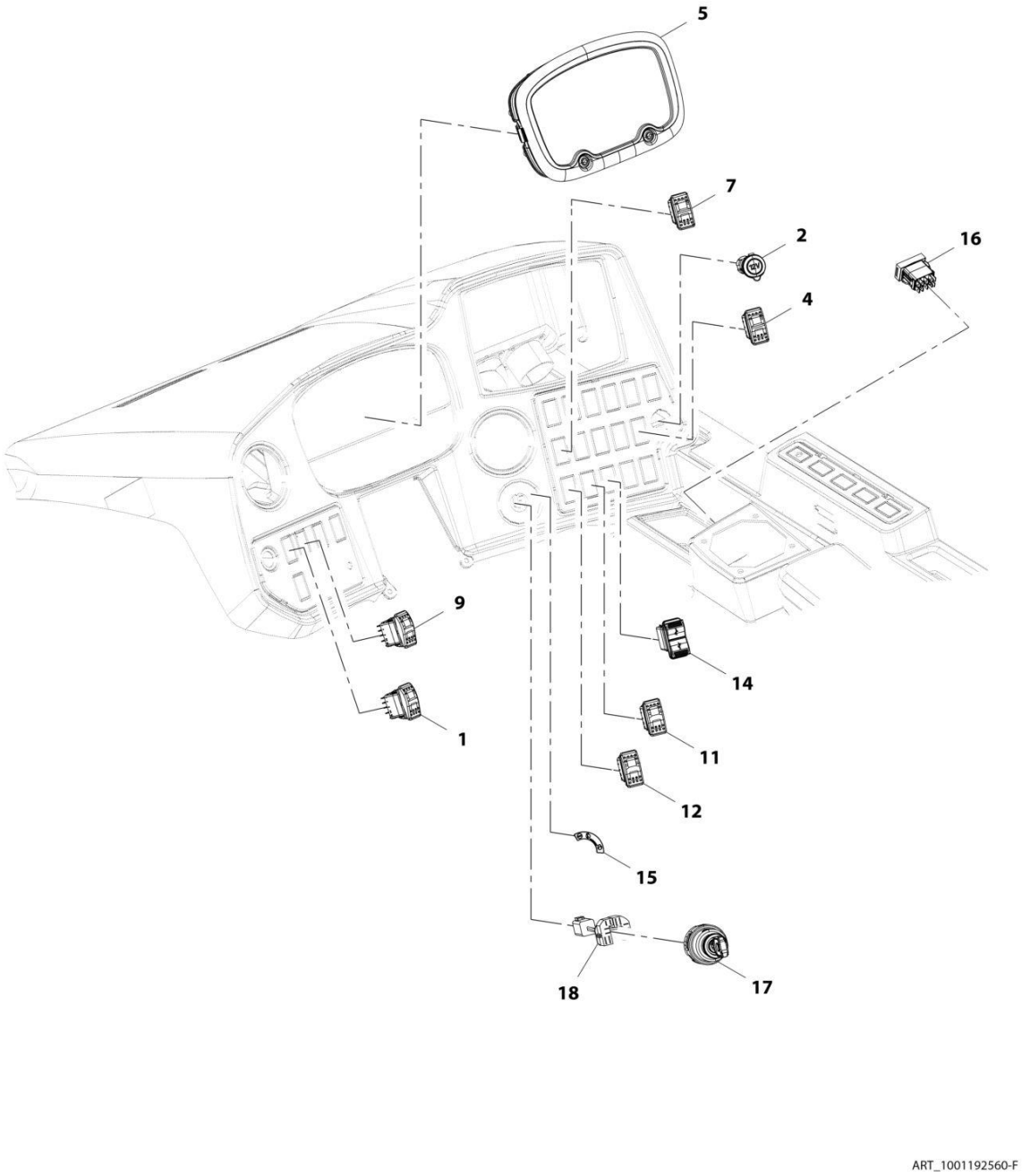


FIGURE 10-26. CAB - DASH ELECTRICAL INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192560	Ref	Dash Electrical Installation	F
1	1001080978	1	Switch, Lift/Loader	
2	1001095804	1	Connector, 12V Power Socket	
4	1001104654	1	Switch, Aux Decomp	
5	1001158146	1	Cluster, Electrical Gauge	
7	1001159735	1	Switch, Rear Wiper	
9	1001159741	1	Switch, Constant AUX	
11	1001159743	1	Switch, Road Use	
12	1001159849	1	Switch, Steer Mode	
14	1001174712	1	Charger, USB	
15	1001181531	1	Decal, Ignition Switch	
16	1001212470	1	Switch, Frame Level	
17	1001102502	1	Switch, 4 Position Key	
17	70022765	1	Key, Ignition (set of 2)	
18	1001223968	1	Harness, Ignition Switch (See Separate Breakdown in this Section)	

FIGURE 10-27. CAB - DASH ELECTRICAL INSTALLATION (LS)

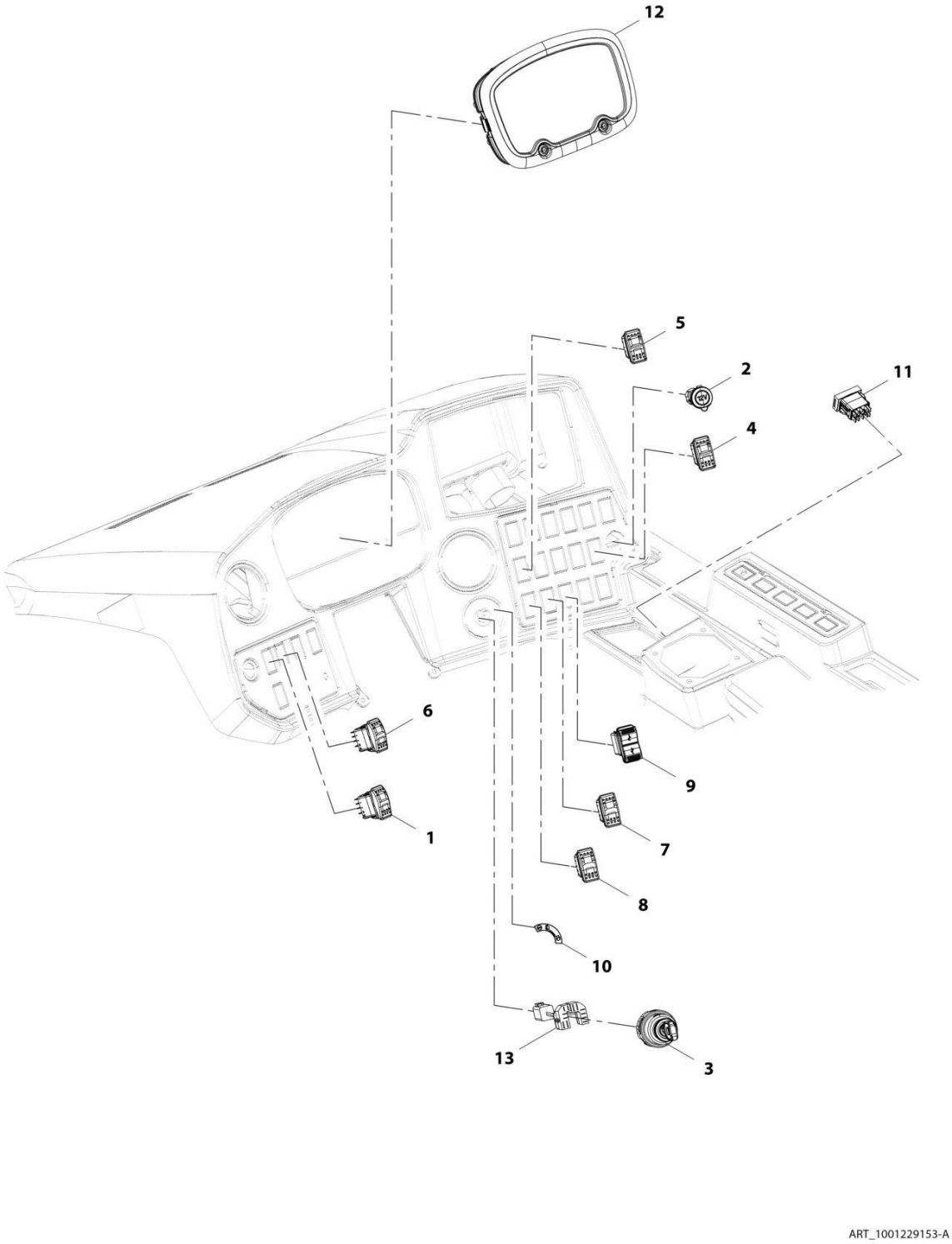


FIGURE 10-27. CAB - DASH ELECTRICAL INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229153	Ref	Dash Electrical Installation (LRC)	A
1	1001080978	1	Switch, Lift/Loader	
2	1001095804	1	Connector, 12V Power Socket	
3	1001102502	1	Switch, 4 Position Key	
4	1001104654	1	Switch, AUX Decomp	
5	1001159735	1	Switch, Rear Wiper	
6	1001159741	1	Switch, Constant AUX	
7	1001159743	1	Switch, Road Use	
8	1001159849	1	Switch, Steer Mode	
9	1001174712	1	Charger, USB	
10	1001181531	1	Decal, Ignition Switch	
11	1001189876	1	Switch, Frame Level	
12	1001202454	1	Cluster, Electrical Gauge	
13	1001223968	1	Harness, Ignition Switch (See Separate Breakdown in this Section)	

FIGURE 10-28. CAB - IGNITION SWITCH HARNESS

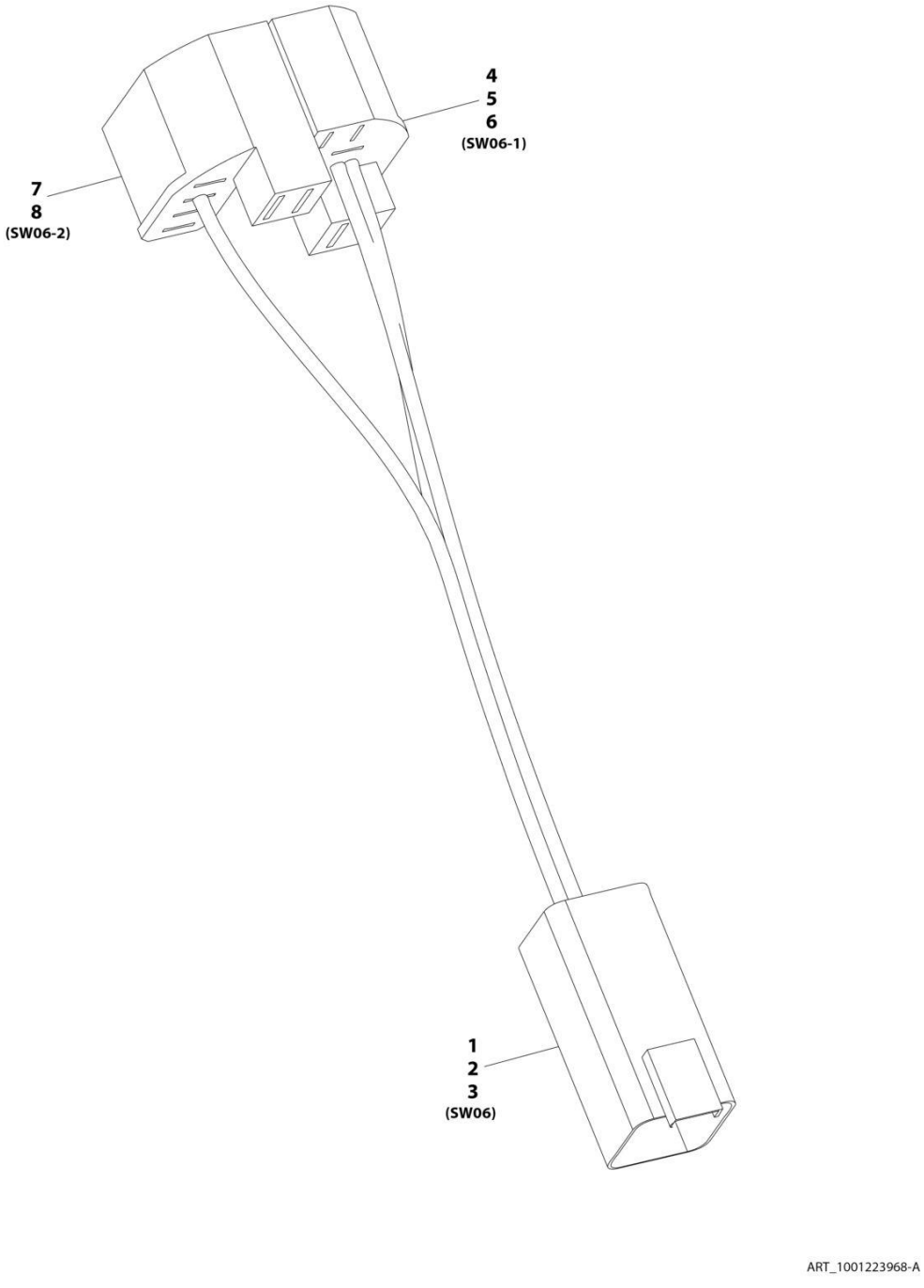


FIGURE 10-28. CAB - IGNITION SWITCH HARNESS

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 10-29. CAB - LIGHT SWITCH INSTALLATION

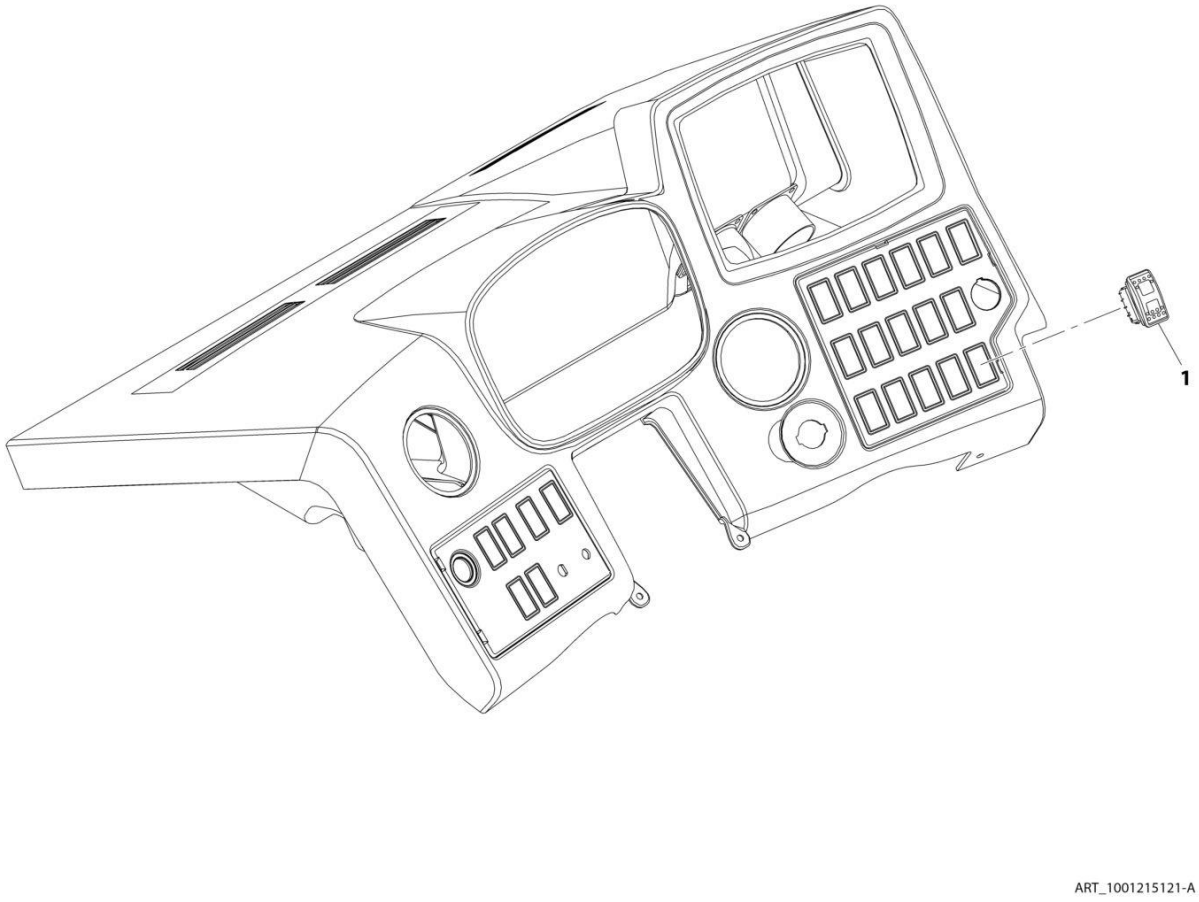


FIGURE 10-29. CAB - LIGHT SWITCH INSTALLATION

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

FIGURE 10-30. CAB - SEAT ADAPTOR HARNESS

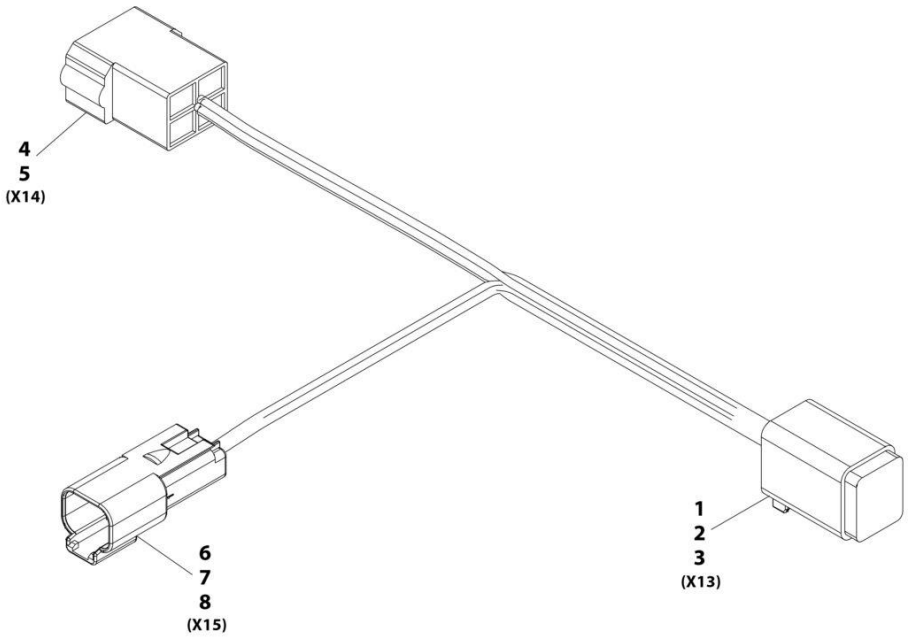


FIGURE 10-30. CAB - SEAT ADAPTOR HARNESS

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 10-31. CAB - EXTERNAL EMERGENCY STOP INSTALLATION

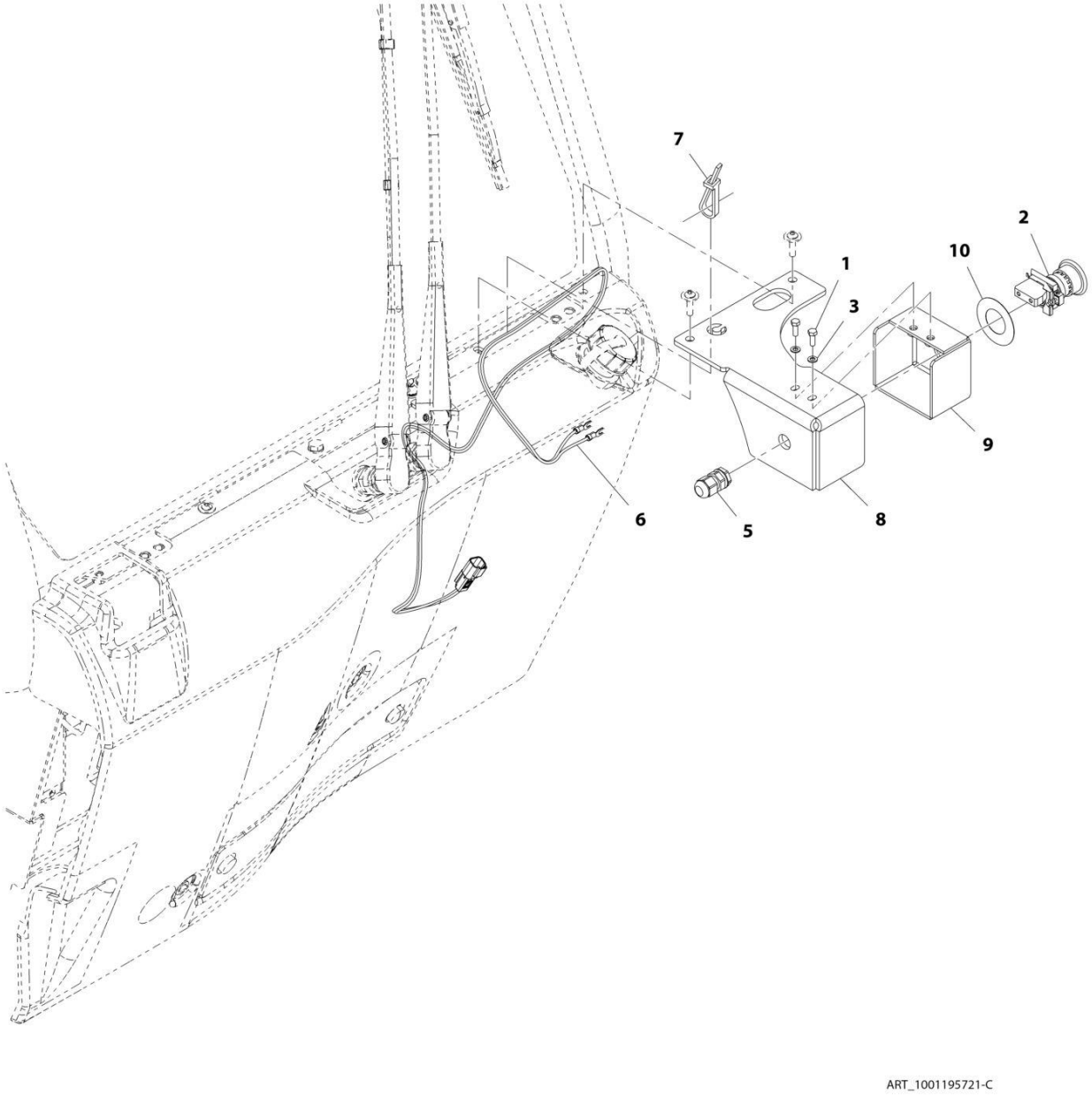


FIGURE 10-31. CAB - EXTERNAL EMERGENCY STOP INSTALLATION

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 10-32. ENGINE - ENGINE BAY ELECTRICAL INSTALLATION (ULS)

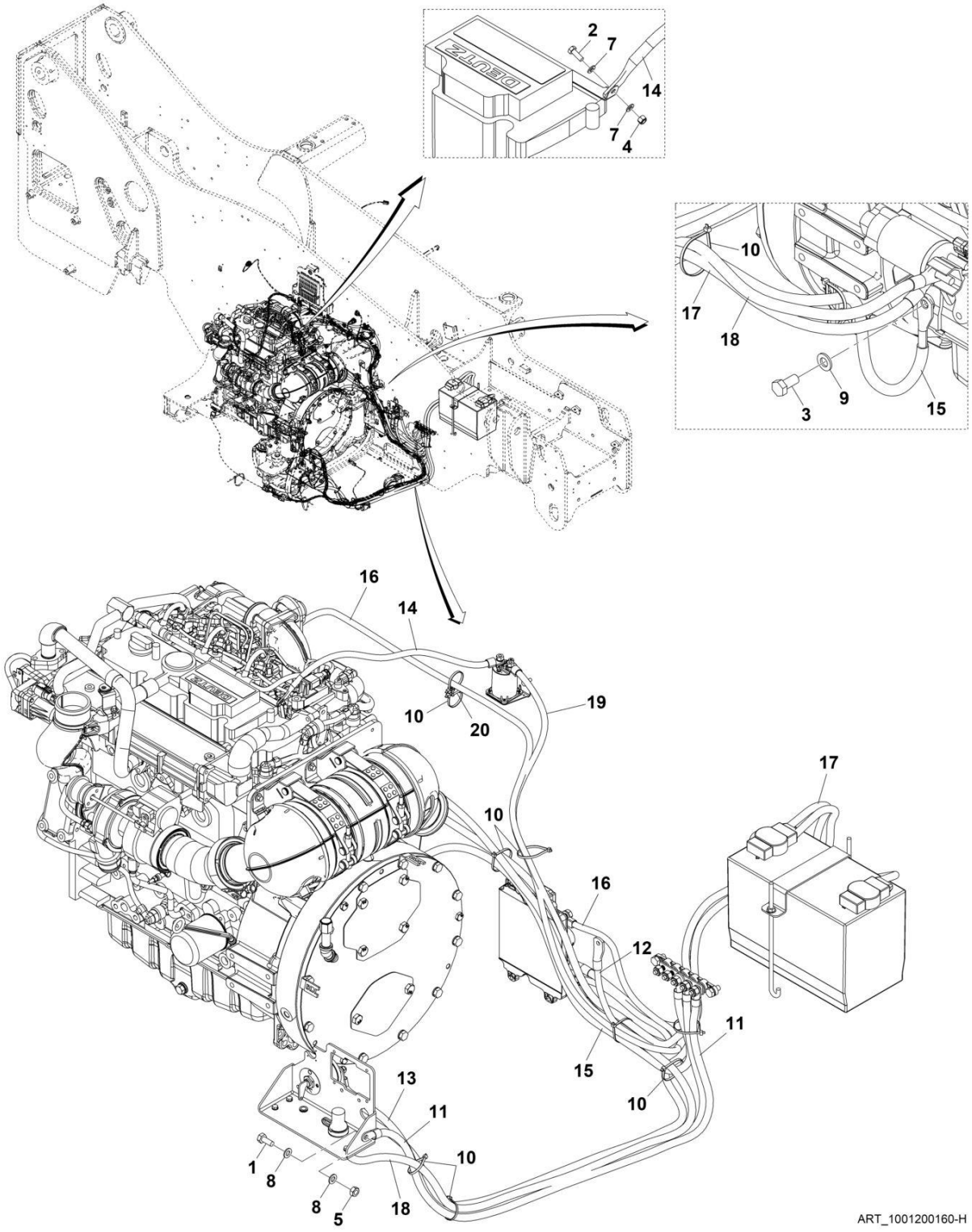


FIGURE 10-32. ENGINE - ENGINE BAY ELECTRICAL INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200160	Ref	Engine Bay Electrical Installation	I
1	0761012	1	Bolt, M10X25	
2	0760507	1	Bolt, M5X14	
3	0761212	1	Bolt, M12X25	
4	3290505	1	Nut, Lock M5X0.8	
5	3291001	1	Nut, M10X1.5	
7	4811600	2	Washer, M5	
8	4812000	2	Washer, M10	
9	4812100	1	Washer, M12	
10	1001008559	10	Tie, Strap	
11	1001194103	1	Cable	
12	1001194244	1	Cable	
13	1001196502	1	Cable	
14	1001200161	1	Cable	
15	1001200162	1	Cable	
16	1001200164	1	Cable	
17	1001200165	1	Cable	
18	1001200166	1	Cable	
19	1001200167	1	Cable	
20	1001004723	1	Saddle	
21	1001293972	1	Cable, ECM Power (Not Shown)	

FIGURE 10-33. ENGINE - ENGINE BAY ELECTRICAL INSTALLATION (LS)

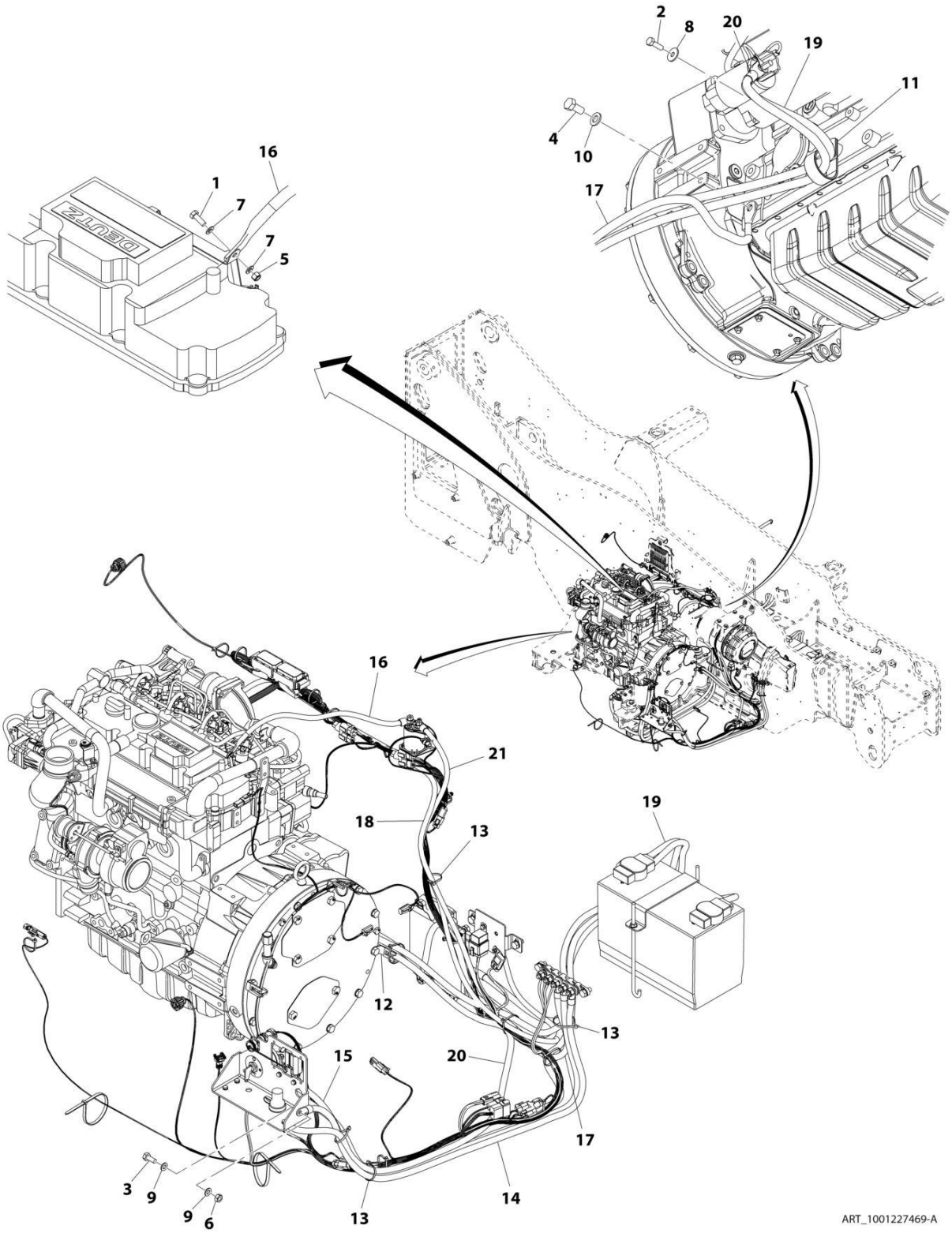


FIGURE 10-33. ENGINE - ENGINE BAY ELECTRICAL INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227469	Ref	Engine Bay Electrical Installation	B
1	0760507	1	Bolt, M5X14	
2	0760812	1	Bolt, M8X25	
3	0761012	1	Bolt, M10X25	
4	0761212	1	Bolt, M12X25	
5	3290505	1	Nut, Lock M5X0.8 Grade 8	
6	3291001	1	Nut, M10X1.5 Grade 8	
7	4811600	2	Washer, M5	
8	4811902	1	Washer, M8	
9	4812000	2	Washer, M10	
10	4812100	1	Washer, M12	
11	85941018	1	Clamp	
12	1001003305	1	Clip	
13	1001008559	7	Tie, Strap	
14	1001194103	1	Cable	
15	1001196502	1	Cable	
16	1001200161	1	Cable	
17	1001200162	1	Cable	
18	1001200164	1	Cable	
19	1001200165	1	Cable	
20	1001200166	1	Cable	
21	1001200167	1	Cable	
22	1001293972	1	Cable, ECM Power (Not Shown)	

FIGURE 10-34. ENGINE - ENGINE POD ELECTRICAL INSTALLATION (ULS)

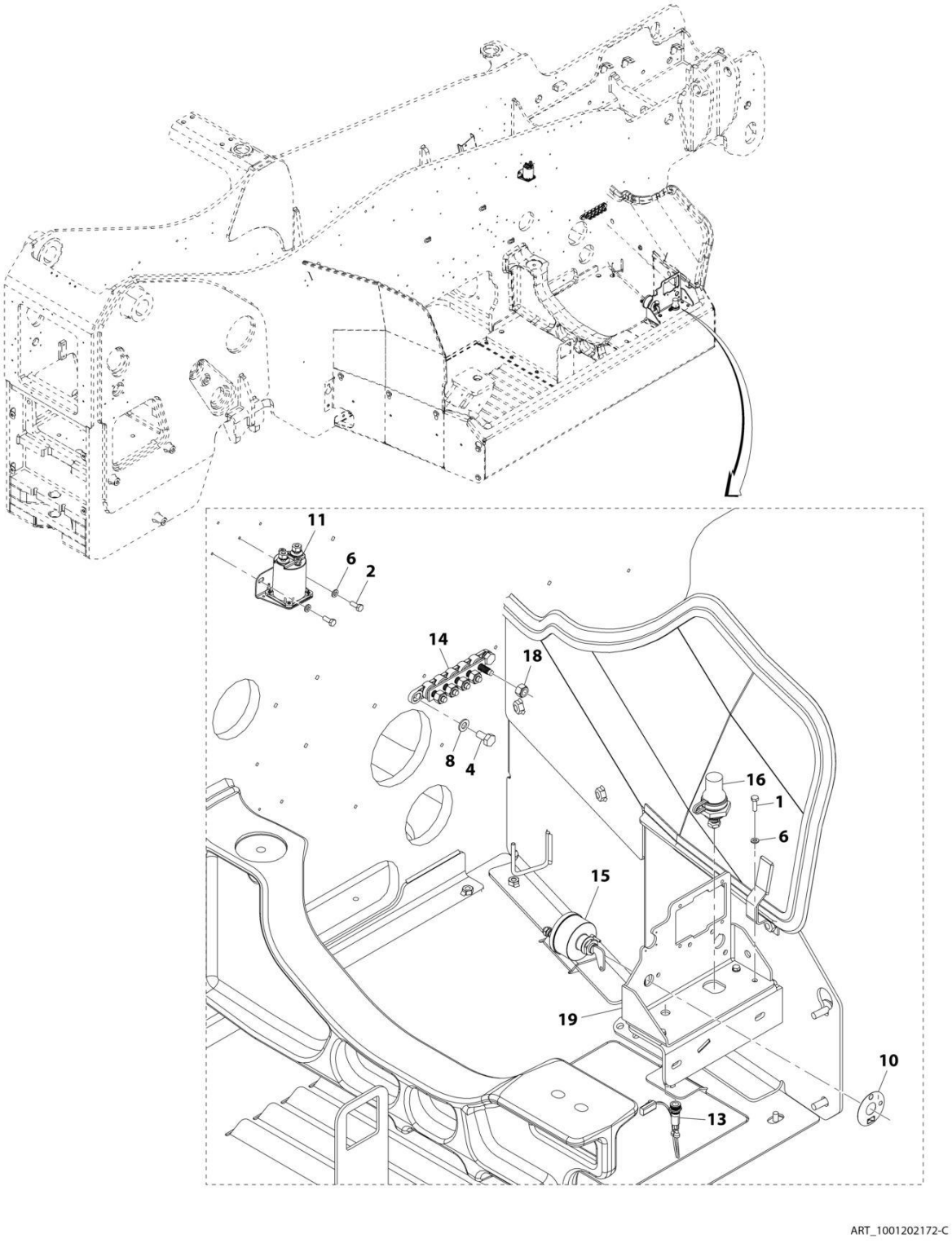


FIGURE 10-34. ENGINE - ENGINE POD ELECTRICAL INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202172	Ref	Engine Pod Electrical Installation (ULS)	C
1	0700610	4	Bolt, M6X20	
2	0760608	2	Bolt, M6X16	
4	0761010	2	Bolt, M10X20	
6	4811700	6	Washer, M6	
8	4812000	2	Washer, M10	
10	1001008540	1	Plate	
11	1001117308	1	Relay	
13	1001232288	1	Harness, DEF Purge Light (See Separate Breakdown in this Section)	
14	1001181128	1	Bussbar	
15	1001192142	1	Switch, Disconnect	
16	1001193993	1	Terminal, Battery	
18	3291005	5	Nut, Lock M10X1.5	
19	1001212886	1	Bracket	

FIGURE 10-35. ENGINE - ENGINE POD ELECTRICAL INSTALLATION (LS)

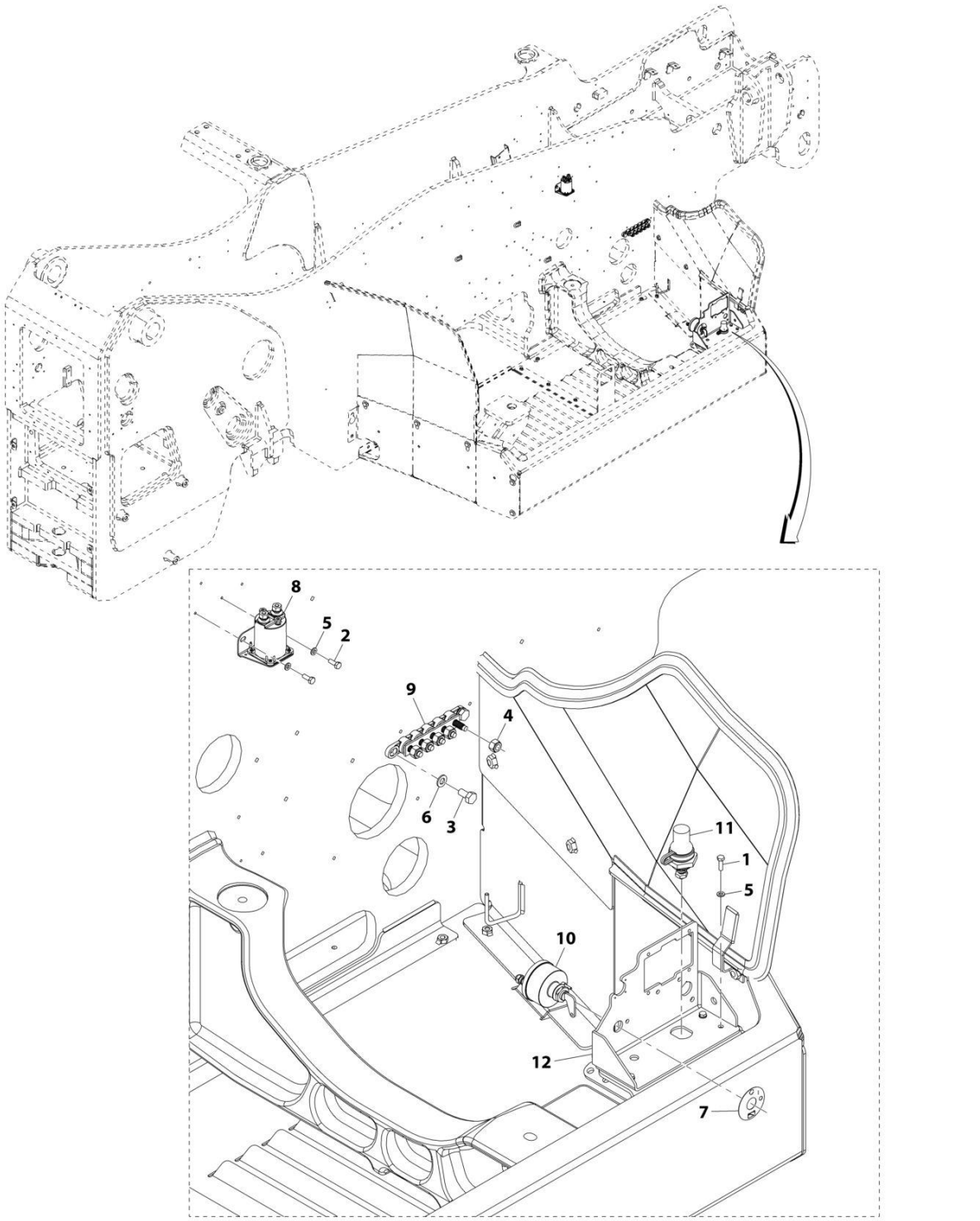


FIGURE 10-35. ENGINE - ENGINE POD ELECTRICAL INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223066	Ref	Engine Pod Electrical Installation (LS)	A
1	0700610	4	Bolt, M6X20	
2	0760608	2	Bolt, M6X16	
3	0761010	2	Bolt, M10X20	
4	3291005	5	Nut, Lock M10X1.5	
5	4811700	6	Washer, M6	
6	4812000	2	Washer, M10	
7	1001008540	1	Plate	
8	1001117308	1	Relay	
9	1001181128	1	Bussbar	
10	1001192142	1	Switch, Disconnect	
11	1001193993	1	Stud, Terminal	
12	1001212886	1	Bracket	

FIGURE 10-36. ENGINE - DEF PURGE LIGHT HARNESS

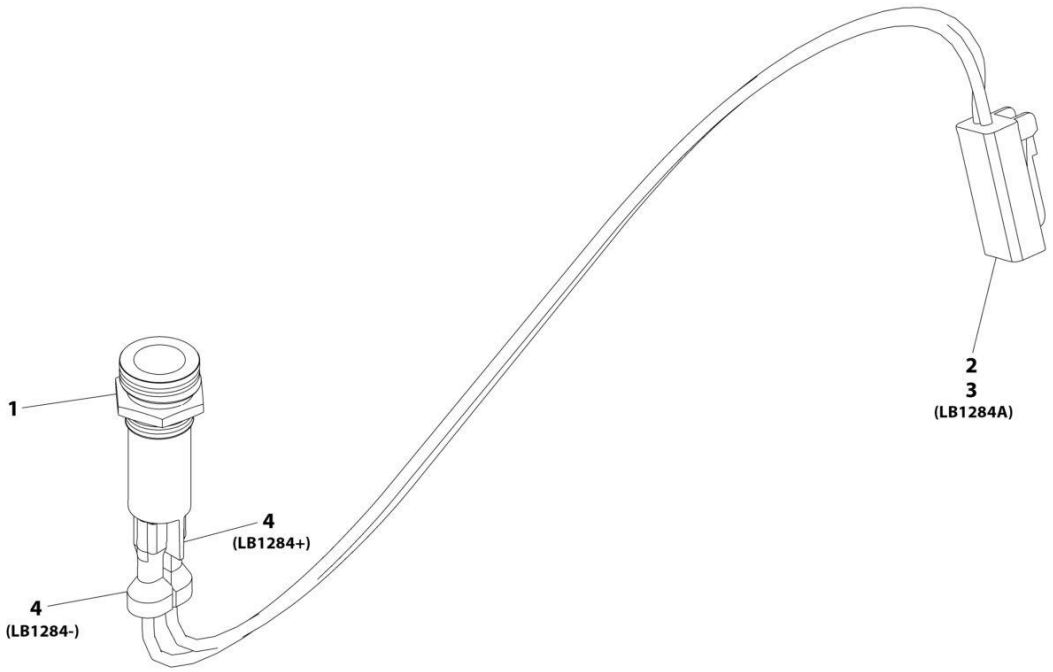


FIGURE 10-36. ENGINE - DEF PURGE LIGHT HARNESS

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 10-37. ENGINE - FAN (REVERSE COOLING) INSTALLATION

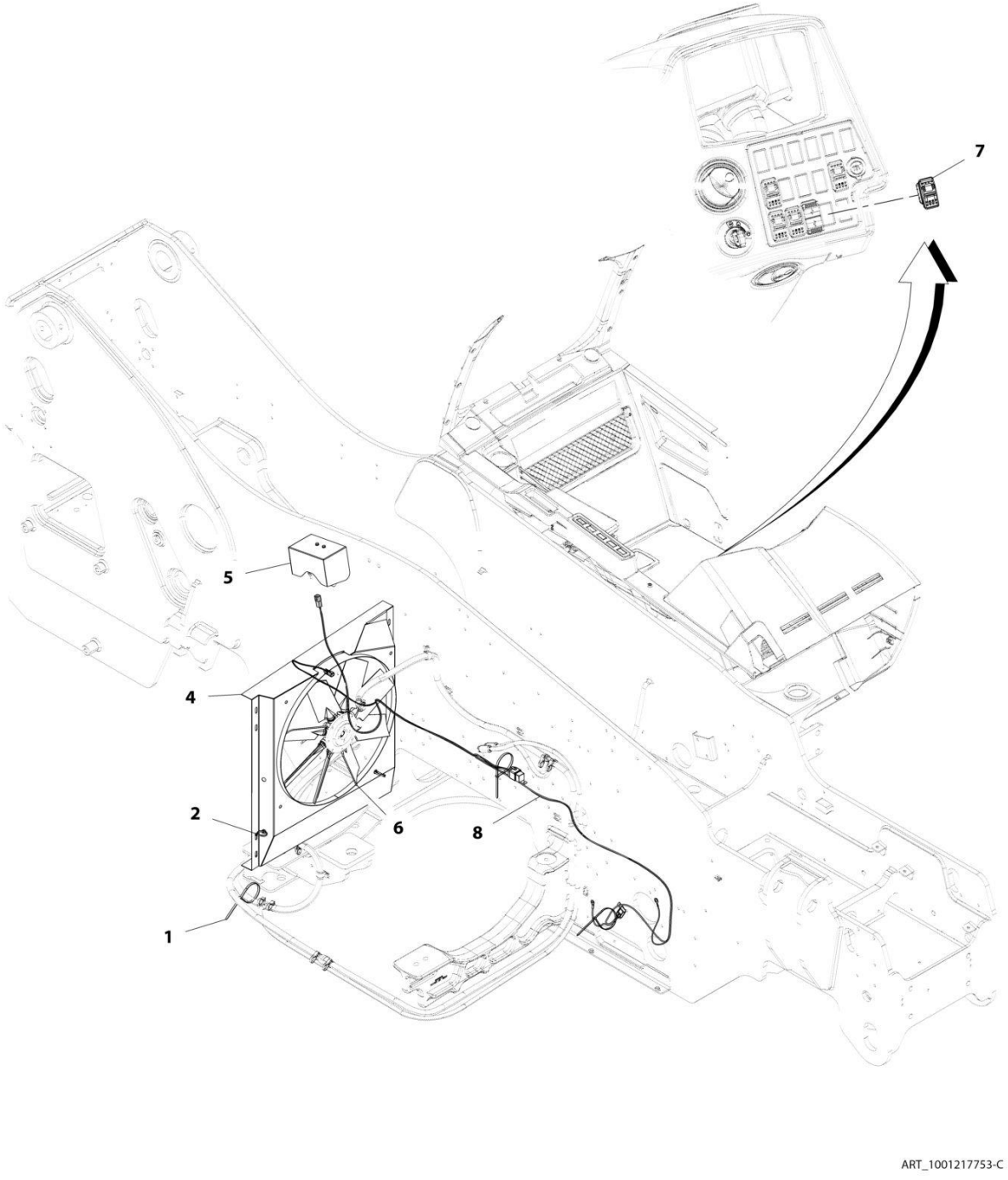


FIGURE 10-37. ENGINE - FAN (REVERSE COOLING) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217753	Ref	Reverse Cooling Fan Installation	C
1	1062255	3	Strap, Tie	
2	1001146588	2	Strap, Fir Tree Cable Tie	
4	1001217756	1	Shroud	
5	1001217757	1	Installation, Cover (See Separate Breakdown in this Section)	
6	1001217760	1	Kit, Reversing Fan	
6	70030353	1	Pneumatic Line	
6	70030355	1	Fan, Reverse	
6	70030356	1	Compressor	
7	1001145204	1	Switch	
8	1001221493	1	Harness, Reversing Fan (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 10-38. ENGINE - FAN (REVERSE COOLING) HARNESS

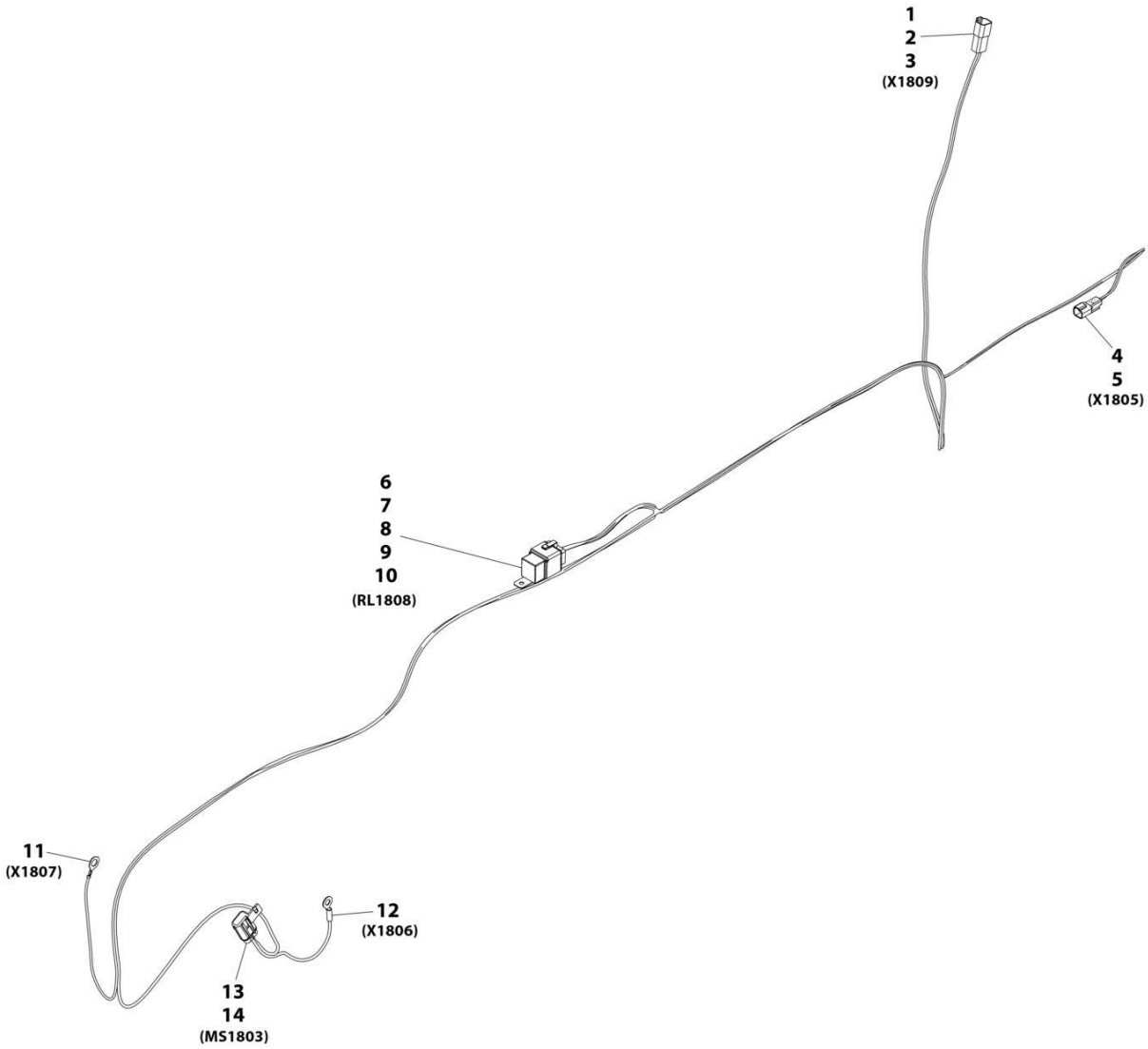


FIGURE 10-38. ENGINE - FAN (REVERSE COOLING) HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221493	Ref	Reversing Fan Harness	B
1	4460932	1	Connector	
2	4460941	2	Terminal	
3	4460466	2	Plug	
4	4460897	1	Connector	
5	4460464	2	Terminal	
6	1001118282	1	Connector	
7	1001116734	1	Terminal	
8	1001116732	2	Terminal	
9	1001128128	1	Plug	
10	1001116733	1	Terminal	
11	1001187078	1	Ring Terminal	
12	8220045	1	Ring Terminal	
13	1001117024	1	Connector	
14	1001116734	2	Terminal	

FIGURE 10-39. ENGINE WIRING INSTALLATION (ULS)

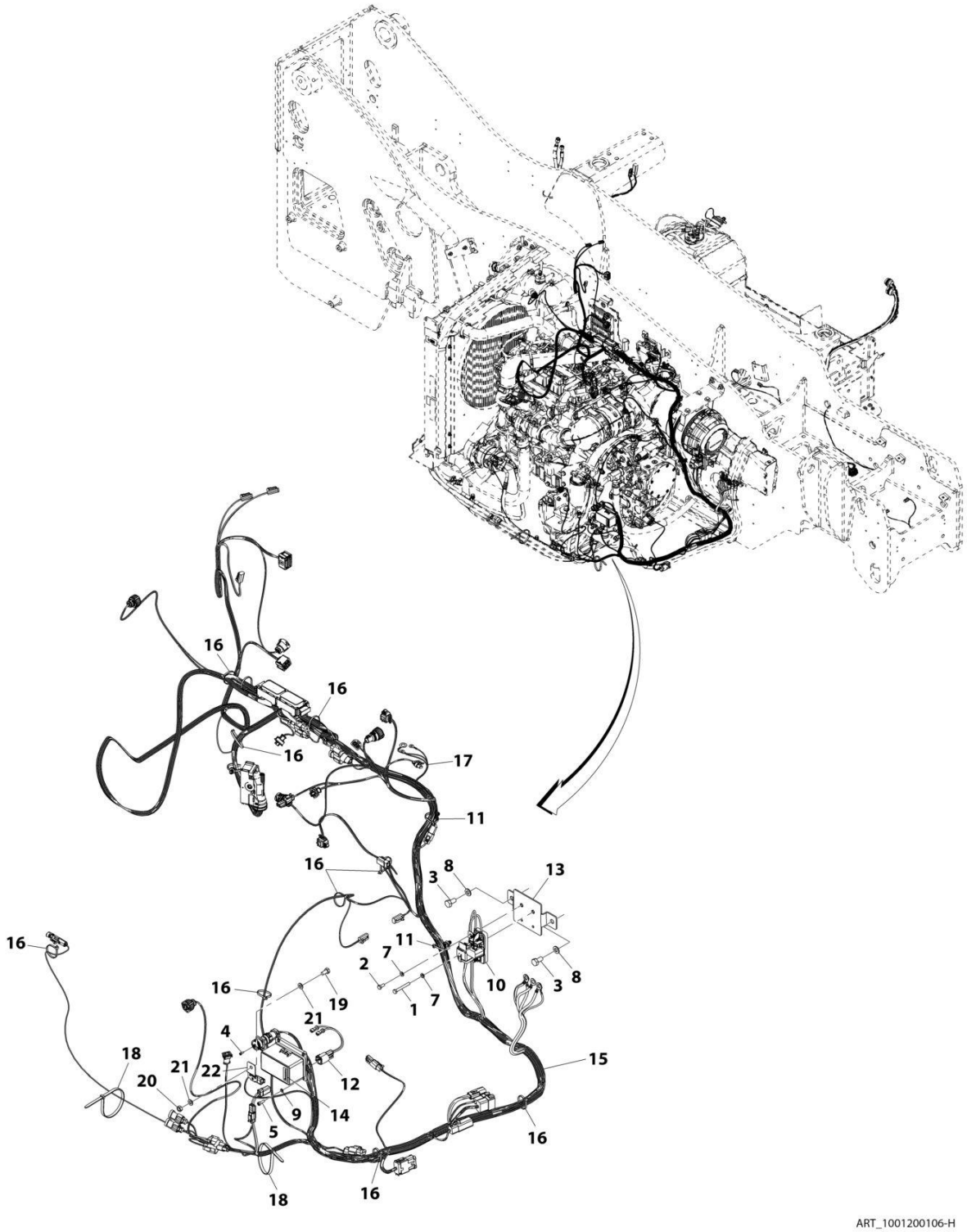


FIGURE 10-39. ENGINE WIRING INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200106	Ref	Engine Wiring Installation (ULS)	I
1	0700618	1	Bolt, M6X50	
2	0760607	1	Bolt, M6X14	
3	0761010	2	Bolt M10X20	
4	4031205	3	Bolt, M3X10	
5	4031607	4	Bolt, M5-0.8X16	
7	4811700	2	Washer, M6	
8	4812000	2	Washer, M10	
9	4831600	4	Washer, Lock M5	
10	1001131177	1	Fuse	
11	1001146588	3	Strap, Cable Tie	
12	1001182929	1	Harness, Fuel Pump (See Separate Breakdown in this Section)	
13	1001189046	1	Bracket	
14	1001191546	1	Decal, Fuse	
15	1001285934	1	Harness, Engine (See Separate Breakdown in this Section)	
16	1001008559	11	Strap, Cable	
17	1001182930	1	Harness, Glow Plug Relay (See Separate Breakdown in this Section)	
18	1062255	2	Strap, Tie	
19	0700808	1	Bolt, M8X16	
20	3290801	1	Nut, M8X1.25	
21	4811900	2	Washer, M8	
22	1001153749	1	Clip	
23	1001293972	1	Cable, ECM Power (Not Shown)	

FIGURE 10-40. ENGINE WIRING INSTALLATION (MINING) (ULS)

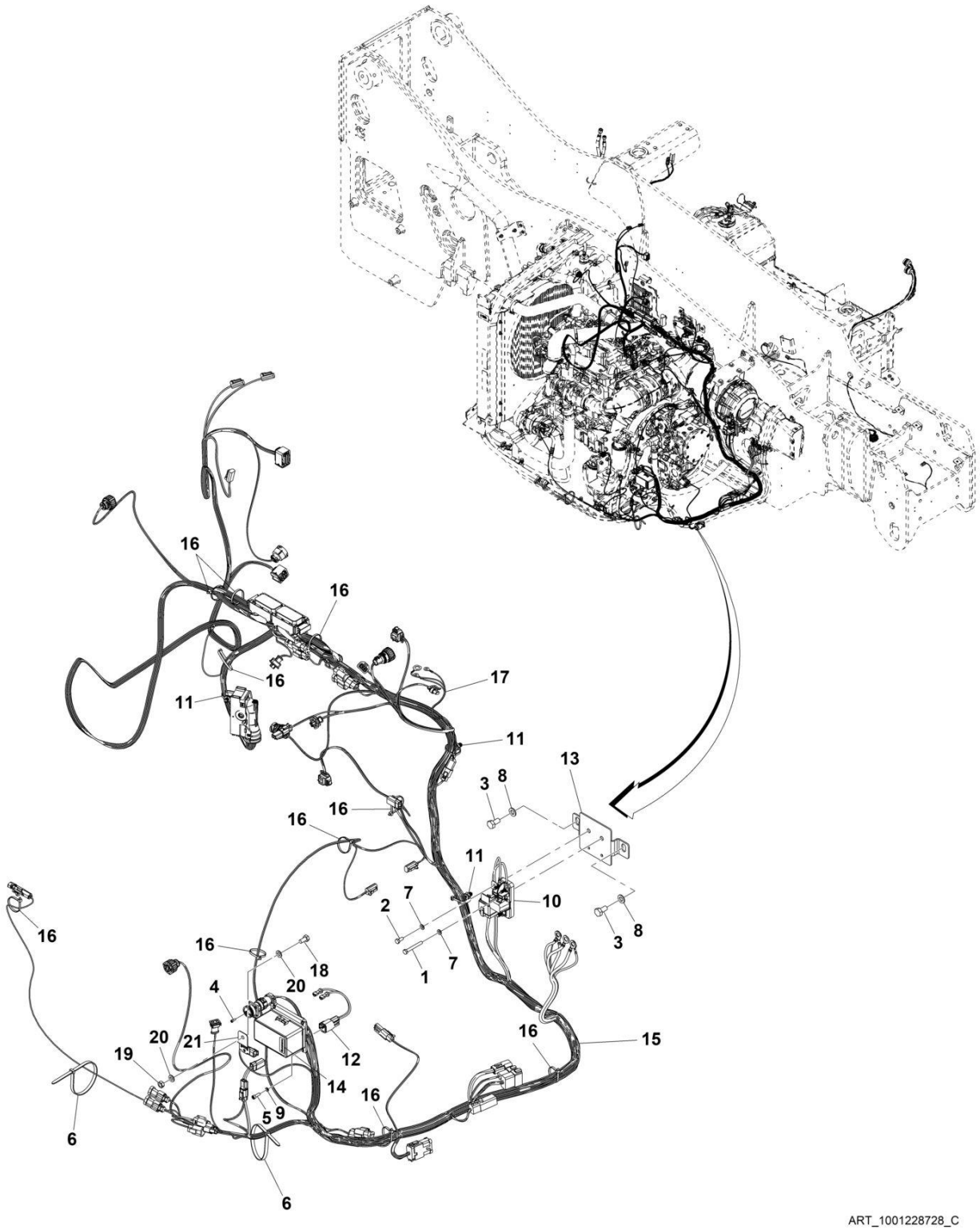


FIGURE 10-40. ENGINE WIRING INSTALLATION (MINING) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228728	Ref	Engine Wiring Installation (Mining) (ULS)	C
1	0700618	1	Bolt, M6X50	
2	0760607	1	Bolt, M6X14	
3	0761010	2	Bolt, M10X20	
4	4031205	3	Bolt, M3X10	
5	4031607	4	Bolt, M5X16	
6	1062255	2	Strap, Tie	
7	4811700	2	Washer, M6	
8	4812000	2	Washer, M10	
9	4831600	4	Washer, Lock M5	
10	1001131177	1	Fuse	
11	1001146588	3	Strap, Cable Tie	
12	1001228733	1	Harness, Fuel Pump (See Separate Breakdown in this Section)	
13	1001189046	1	Bracket	
14	1001191546	1	Decal, Fuse	
15	1001286174	1	Harness, Engine (Mining) (ULS) (See Separate Breakdown in this Section)	
16	1001008559	11	Strap, Cable	
17	1001228732	1	Harness, Glow Plug Relay (See Separate Breakdown in this Section)	
18	0700808	1	Bolt, M8X16	
19	3290801	1	Nut, M8X1.25	
20	4811900	2	Washer, M8	
21	1001153749	1	Clip	
22	1001293972	1	Cable, ECM Power (Not Shown)	

FIGURE 10-41. ENGINE WIRING INSTALLATION (LS)

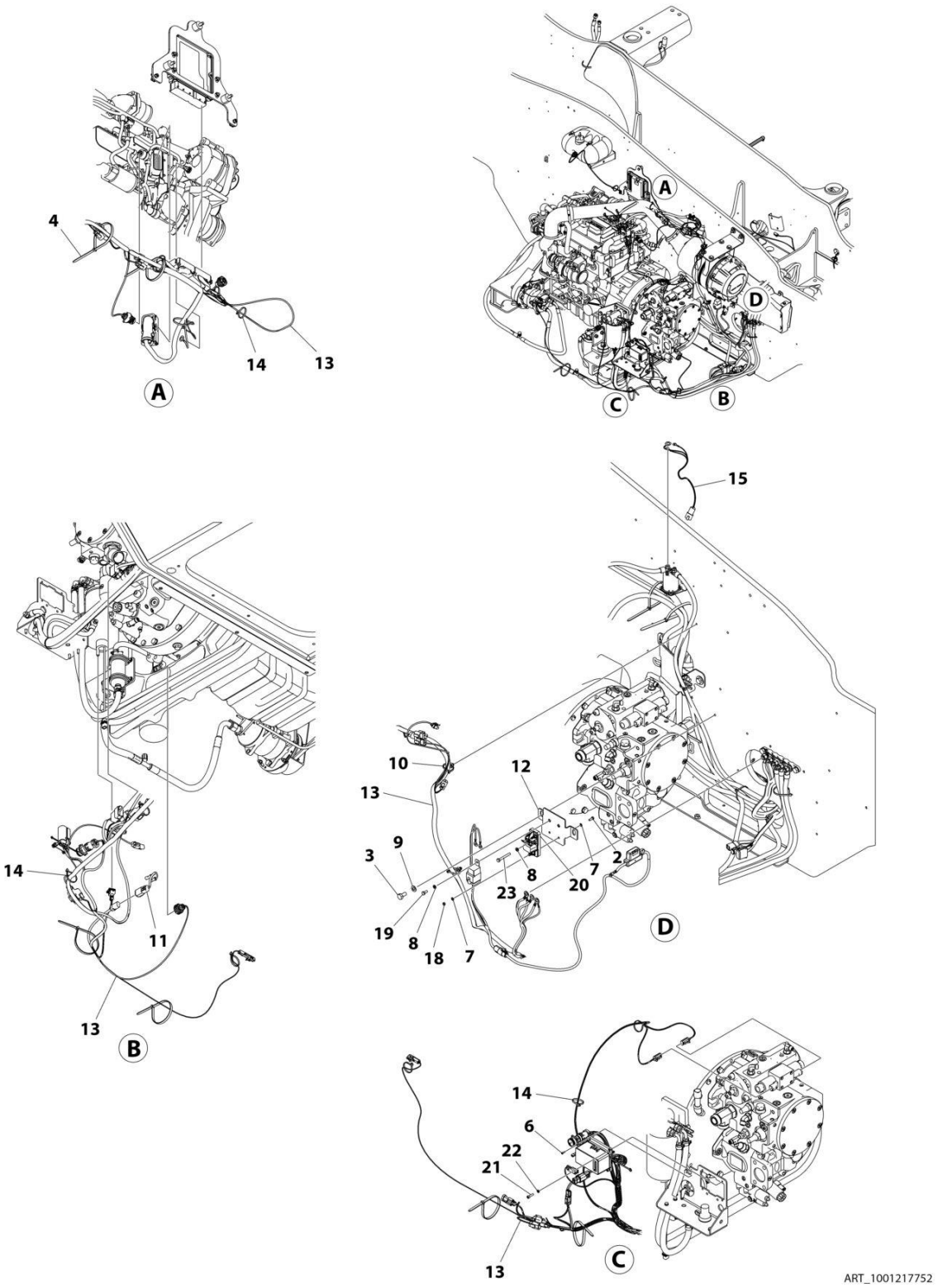


FIGURE 10-41. ENGINE WIRING INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217752	Ref	ENGINE WIRING INSTALLATION	D
2	0760507	1	Bolt M5 x 14	
3	0761010	2	Bolt M10 x 20	
4	1062255	2	Strap, Tie	
6	4031205	3	Bolt M3 x 10	
7	4811600	2	Washer M5	
8	4811700	2	Washer M6	
9	4812000	2	Washer M10	
10	1001146588	2	Strap, Cable Tie	
11	1001182929	1	Harness, Fuel Pump (See Separate Breakdown in this Section)	
12	1001189046	1	Bracket	
13	1001285934	1	Harness, Engine (LS) (See Separate Breakdown in this Section)	
14	1001008559	10	Strap, Cable	
15	1001182930	1	Harness, Glow Plug Relay (See Separate Breakdown in this Section)	
18	3290501	1	Nut M5	
19	0760607	1	Bolt M6 x 14	
20	1001131177	1	Fuse	
21	4031608	4	Bolt M5 x 20	
22	4831600	4	Washer M5	
23	0700618	1	Bolt M6 x 50	
24	1001293972	1	Cable, ECM Power (Not Shown)	

FIGURE 10-42. ENGINE WIRING INSTALLATION (MINING) (LS)

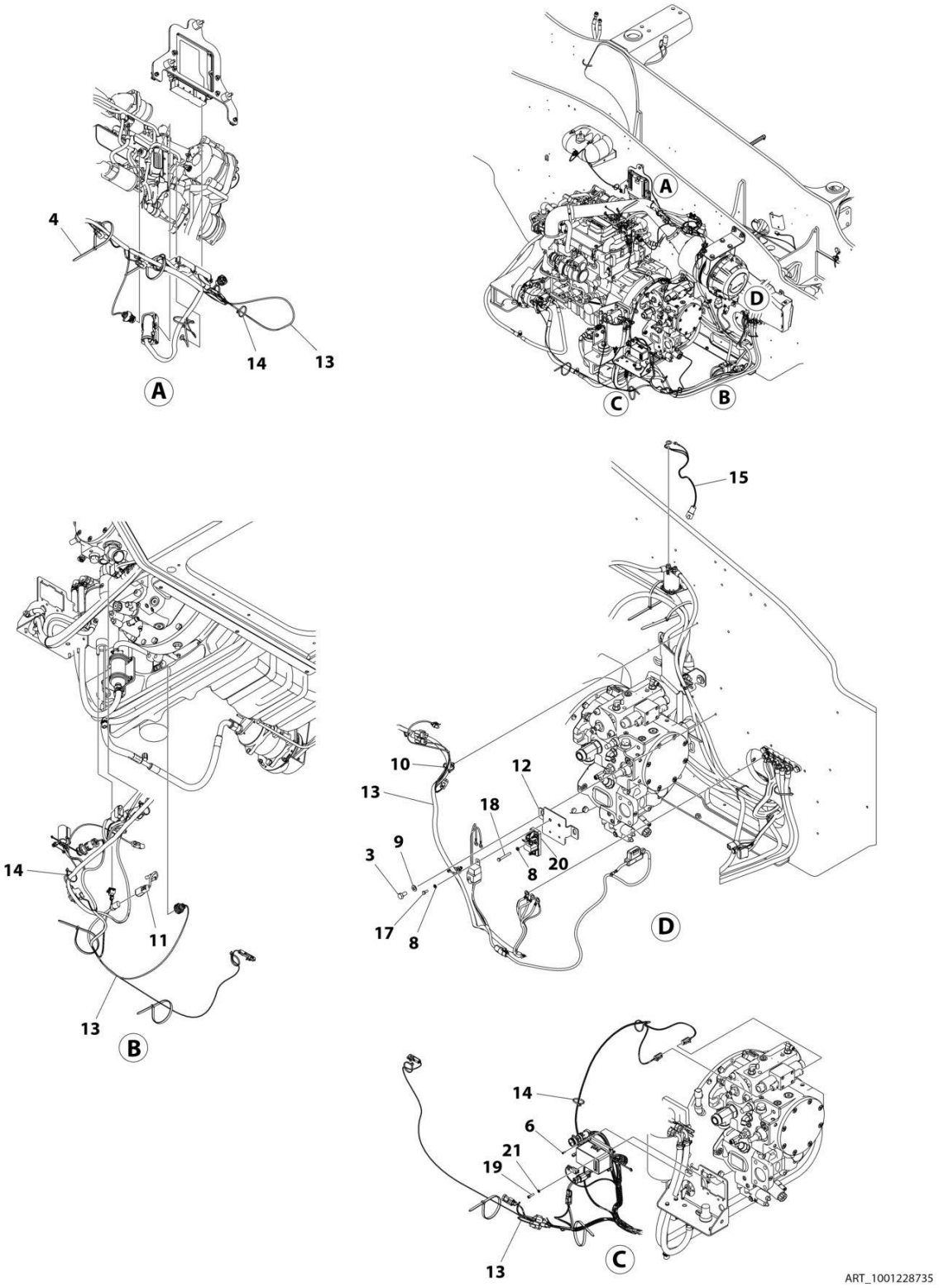


FIGURE 10-42. ENGINE WIRING INSTALLATION (MINING) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228735	Ref	Engine Wiring Installation Mining (LS)	B
3	0761010	2	Bolt M10 x 20	
4	1062255	2	Strap, Tie	
6	4031205	3	Bolt M3 x 10	
8	4811700	2	Washer M6	
9	4812000	2	Washer M10	
10	1001146588	2	Strap, Cable Tie	
11	1001228733	1	Harness, Fuel Pump (See Separate Breakdown in this Section)	
12	1001189046	1	Bracket	
13	1001286174	1	Harness, Engine (Mining) (ULS) (See Separate Breakdown in this Section)	
14	1001008559	10	Strap, Cable	
15	1001228732	1	Harness, Glow Plug Relay (See Separate Breakdown in this Section)	
17	0760607	1	Bolt M6 x 14	
18	0700618	1	Bolt M6 x 50	
19	4031608	4	Bolt M5 x 20	
20	1001131177	1	Fuse	
21	4831600	4	Washer M5	
22	1001293972	1	Cable, ECM Power (Not Shown)	

FIGURE 10-43. ENGINE HARNESS (ULS)

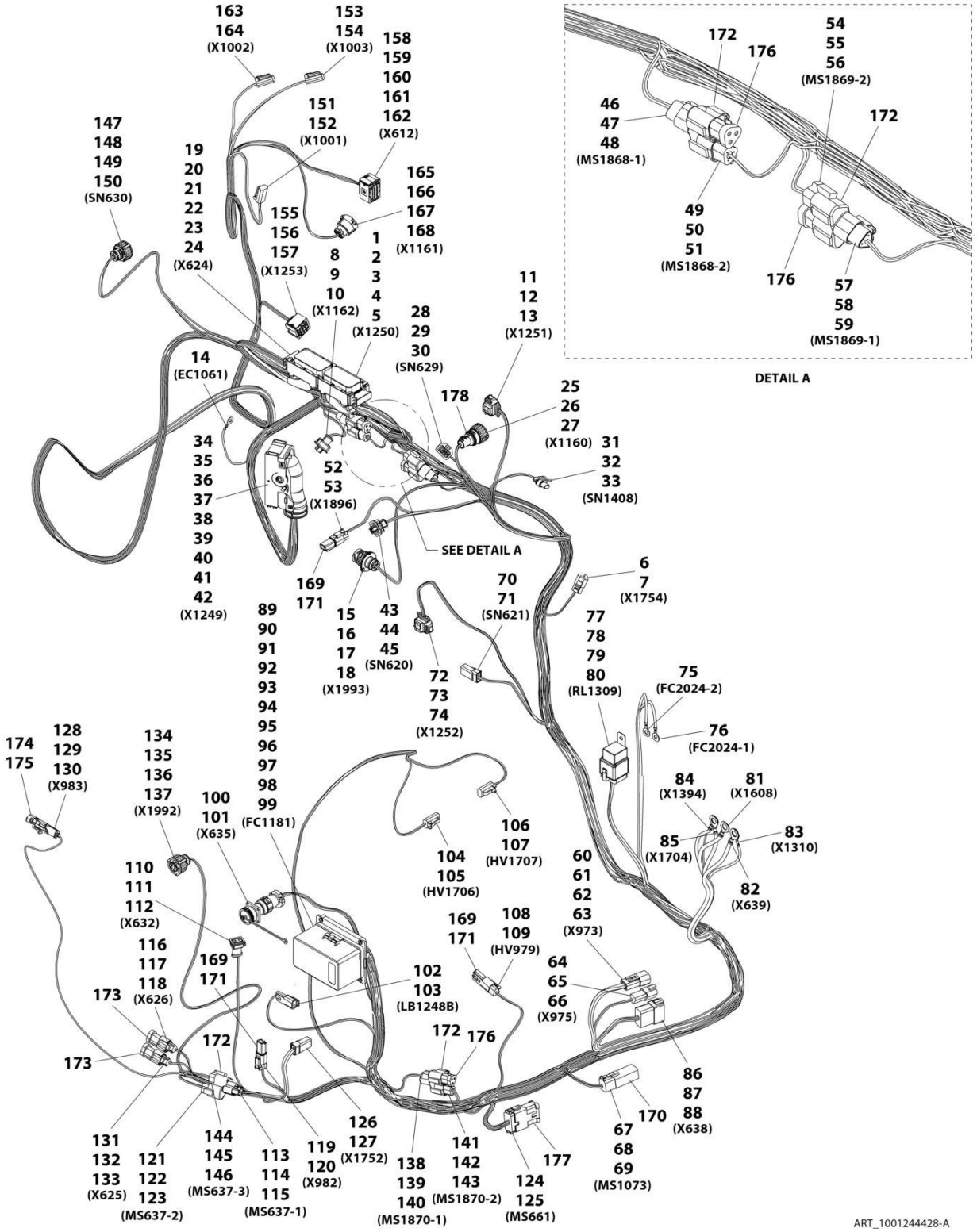


FIGURE 10-43. ENGINE HARNESS (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244428	Ref	Engine Harness (ULS)	A
1	1001202723	1	Connector	
2	1001167623	5	Plug	
3	1001166555	13	Terminal	
4	1001167621	50	Terminal	
5	1001167622	37	Plug	
6	4460539	1	Connector	
7	4460465	3	Terminal	
8	1001126487	1	Connector	
9	1001167635	2	Terminal	
10	1001126485	2	Terminal Seal	
11	1001167631	1	Connector	
12	1001167630	4	Terminal	
13	1001126485	4	Terminal Seal	
14	1001187070	1	Ring Terminal	
15	1001148842	1	Connector	
16	1001148841	3	Terminal	
17	1001135651	1	Plug	
18	1001135650	3	Terminal Seal	
19	1001202722	1	Connector	
20	1001166551	6	Terminal	
21	1001126353	6	Terminal Seal	
22	1001167622	58	Plug	
23	1001167621	21	Terminal	
24	1001167623	6	Plug	
25	1001138116	1	Connector	
26	1001133715	3	Terminal	
27	1001135650	4	Terminal Seal	
28	1001126487	1	Connector	
29	1001167634	2	Terminal	
30	1001126485	2	Terminal Seal	
31	1001209097	1	Connector	
32	8220124	2	Terminal	
33	4460608	2	Terminal Seal	
34	1001126362	1	Connector	
35	1001166556	26	Terminal	
36	1001126393	36	Terminal Seal	
37	1001126391	19	Plug	
38	4461008	2	Plug	
39	4461006	2	Terminal Seal	
40	4461054	2	Terminal Wire Seal	
41	1001166543	4	Terminal	
42	1001166774	10	Terminal	
43	1001126487	1	Connector	
44	1001167634	2	Terminal	
45	1001126485	2	Terminal Seal	
46	1001116812	1	Connector	
47	4460944	2	Terminal	
48	4460466	1	Plug	
49	4460539	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460944	2	Terminal	
51	4460466	1	Plug	
52	4460891	1	Connector	
53	4460465	2	Terminal	
54	4460539	1	Connector	
55	4460944	2	Terminal	
56	4460466	1	Plug	
57	1001116812	1	Connector	
58	4460944	2	Terminal	
59	4460466	1	Plug	
60	1001116811	1	Connector	
61	1001150610	2	Terminal	
62	4460508	1	Terminal	
63	4460466	1	Plug	
64	1001144147	1	Connector	
65	4460464	2	Terminal	
66	4460466	1	Plug	
67	4460894	1	Connector	
68	4460466	1	Plug	
69	4460465	5	Terminal	
70	1001126245	1	Connector	
71	1001126008	2	Terminal	
72	1001167629	1	Connector	
73	1001167630	4	Terminal	
74	1001126485	4	Terminal Seal	
75	1001207171	1	Ring Terminal, (with boot)	
76	1001207171	1	Ring Terminal, (with boot)	
77	1001118282	1	Connector	
78	1001116734	2	Terminal	
79	1001116732	2	Terminal	
80	1001128128	1	Plug	
81	1001187080	1	Ring Terminal	
82	1001187080	1	Ring Terminal	
83	1001187078	1	Ring Terminal	
84	1001187080	1	Ring Terminal	
85	1001187080	1	Ring Terminal	
86	4460970	1	Connector	
87	4460464	9	Terminal	
88	4460466	3	Plug	
89	1001167616	1	Connector	
90	1001190921	1	Fuse Box Foam Seal	
91	4460748	7	Plug	
92	8220097	23	Terminal	
93	1001175265	19	Terminal Seal	
94	8220098	9	Terminal	
95	4460458	11	Terminal Seal	
96	1001116725	6	Terminal	
97	80963067	1	Terminal Seal	
98	1001190037	5	Terminal Seal	
99	1001190921	1	Fuse Box Foam Seal	
100	2902443	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4461071	6	Terminal	
102	1001153612	1	Connector	
103	1001126011	2	Terminal	
104	4460891	1	Connector	
105	4460465	2	Terminal	
106	4460891	1	Connector	
107	4460465	2	Terminal	
108	4460891	1	Connector	
109	4460465	2	Terminal	
110	1001167636	1	Connector	
111	1001166707	2	Terminal	
112	4461006	2	Terminal Seal	
113	4461095	1	Connector	
114	4460944	2	Terminal	
115	4460466	1	Plug	
116	4461095	1	Connector	
117	4460944	2	Terminal	
118	4460466	1	Plug	
119	4460891	1	Connector	
120	4460465	2	Terminal	
121	4460539	1	Connector	
122	4460944	2	Terminal	
123	4460466	1	Plug	
124	4460933	1	Connector	
125	4460465	12	Terminal	
126	4461018	1	Connector	
127	4460509	2	Terminal	
128	80963056	1	Connector	
129	4460979	1	Terminal	
130	1001175265	1	Terminal Seal	
131	4461095	1	Connector	
132	4460944	2	Terminal	
133	4460466	1	Plug	
134	1001133714	1	Connector	
135	1001133715	3	Terminal	
136	1001135650	3	Terminal Seal	
137	1001135651	1	Plug	
138	1001116812	1	Connector	
139	4460944	2	Terminal	
140	4460466	1	Plug	
141	4460539	1	Connector	
142	4460944	2	Terminal	
143	4460466	1	Plug	
144	1001116812	1	Connector	
145	4460944	2	Terminal	
146	4460466	1	Plug	
147	1001133714	1	Connector	
148	1001133715	3	Terminal	
149	1001135650	3	Terminal Seal	
150	1001135651	1	Plug	
151	4460891	1	Connector	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
152	4460942	2	Terminal	
153	4460891	1	Connector	
154	4460942	2	Terminal	
155	1001167528	1	Connector	
156	1001167528	3	Terminal	
157	1001137578	3	Seal	
158	1001165194	1	Connector	
159	1001126391	2	Plug	
160	1001166556	8	Terminal	
161	1001166774	2	Terminal	
162	1001126393	10	Terminal Seal	
163	4460891	1	Connector	
164	4460942	2	Terminal	
165	1001167620	1	Connector	
166	1001176004	2	Terminal	
167	1001176002	2	Terminal Seal	
168	1001167624	2	Plug	
169	4460466	6	Plug	
170	4460892	1	Mating Connector	
171	4460897	3	Mating Connector	
172	4460945	4	Connector, 3 Way	
173	4461070	2	Terminator Resistor	
174	80963055	1	Mating Connector	
175	1001116727	1	Plug	
176	1001116815	3	Connector	
177	1001125677	1	Mating Connector	
178	1001187882	1	Cover	

FIGURE 10-44. ENGINE HARNESS (MINING) (ULS)

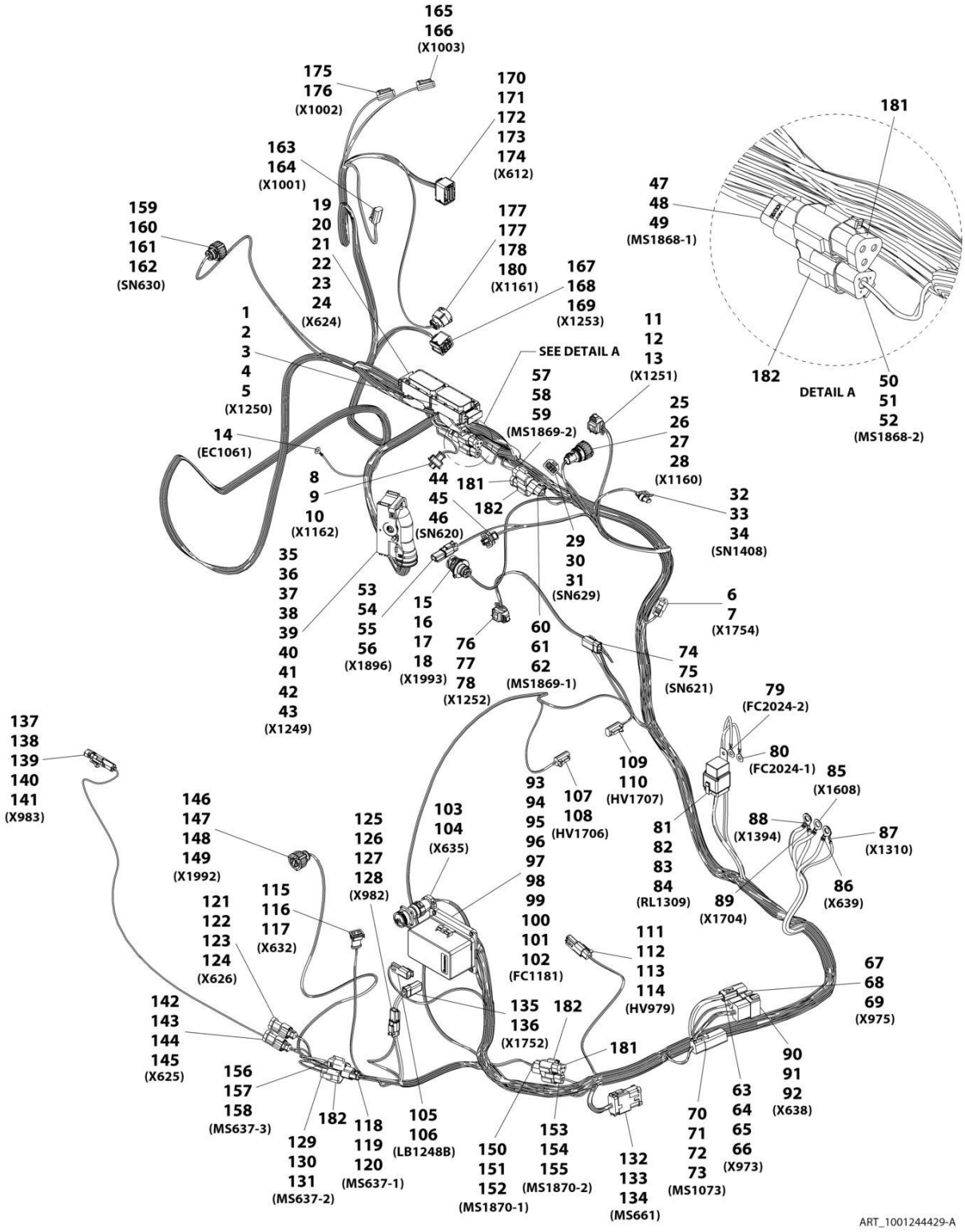

FIGURE 10-44. ENGINE HARNESS (MINING) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244429	Ref	Engine Harness (Mining) (ULS)	A
1	1001202723	1	Connector	
2	1001167623	5	Plug	
3	1001166555	13	Terminal	
4	1001167621	50	Terminal	
5	1001167622	37	Plug	
6	4460539	1	Connector	
7	4460465	3	Terminal	
8	1001126487	1	Connector	
9	1001167635	2	Terminal	
10	1001126485	2	Terminal Seal	
11	1001167631	1	Connector	
12	1001167630	4	Terminal	
13	1001126485	4	Terminal Seal	
14	1001187070	1	Ring Terminal	
15	1001148842	1	Connector	
16	1001148841	3	Terminal	
17	1001135651	1	Plug	
18	1001135650	3	Terminal Seal	
19	1001202722	1	Connector	
20	1001166551	6	Terminal	
21	1001126353	6	Terminal Seal	
22	1001167622	58	Plug	
23	1001167621	21	Terminal	
24	1001167623	6	Plug	
25	1001138116	1	Connector	
26	1001187882	1	Cover	
27	1001133715	3	Terminal	
28	1001135650	4	Terminal Seal	
29	1001126487	1	Connector	
30	1001167634	2	Terminal	
31	1001126485	2	Terminal Seal	
32	1001209097	1	Connector	
33	8220124	2	Terminal	
34	4460608	2	Terminal Seal	
35	1001126362	1	Connector	
36	1001166556	26	Terminal	
37	1001126393	36	Terminal Seal	
38	1001126391	20	Plug	
39	4461008	2	Plug	
40	4461006	2	Seal	
41	4461054	2	Terminal Wire Seal	
42	1001166543	4	Terminal	
43	1001166774	10	Terminal	
44	1001126487	1	Connector	
45	1001167634	2	Terminal	
46	1001126485	2	Terminal Seal	
47	1001116812	1	Connector	
48	4460944	2	Terminal	
49	4460466	1	Plug	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460539	1	Connector	
51	4460944	2	Terminal	
52	4460466	1	Plug	
53	4460891	1	Connector	
54	4460897	1	Mating Connector	
55	4460465	2	Terminal	
56	4460466	2	Plug	
57	4460539	1	Connector	
58	4460944	2	Terminal	
59	4460466	1	Plug	
60	1001116812	1	Connector	
61	4460944	2	Terminal	
62	4460466	1	Plug	
63	1001116811	1	Connector	
64	1001150610	2	Terminal	
65	4460508	1	Terminal	
66	4460466	1	Plug	
67	1001144147	1	Connector	
68	4460464	2	Terminal	
69	4460466	1	Plug	
70	4460894	1	Connector	
71	4460892	1	Mating Connector	
72	4460466	1	Plug	
73	4460465	5	Terminal	
74	1001126245	1	Connector	
75	1001126008	2	Terminal	
76	1001167629	1	Connector	
77	1001167630	4	Terminal	
78	1001126485	4	Terminal Seal	
79	1001207171	1	Ring Terminal, (with boot)	
80	1001207171	1	Ring Terminal, (with boot)	
81	1001118282	1	Connector	
82	1001116734	2	Terminal	
83	1001116732	2	Terminal	
84	1001128128	1	Plug	
85	1001187080	1	Ring Terminal	
86	1001187080	1	Ring Terminal	
87	1001187078	1	Ring Terminal	
88	1001187080	1	Ring Terminal	
89	1001187080	1	Ring Terminal	
90	4460970	1	Connector	
91	4460464	9	Terminal	
92	4460466	3	Plug	
93	1001167616	1	Connector	
94	1001190921	1	Fuse Box Foam Seal	
95	4460748	12	Plug	
96	8220097	23	Terminal	
97	1001175265	21	Terminal Seal	
98	8220098	9	Terminal	
99	4460458	11	Terminal Seal	
100	1001116725	6	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	80963067	1	Terminal Seal	
102	1001190037	5	Terminal Seal	
103	2902443	1	Connector	
104	4461071	6	Terminal	
105	1001153612	1	Connector	
106	1001126011	2	Terminal	
107	4460891	1	Connector	
108	4460465	2	Terminal	
109	4460891	1	Connector	
110	4460465	2	Terminal	
111	4460891	1	Connector	
112	4460465	2	Terminal	
113	4460897	1	Mating Connector	
114	4460466	2	Plug	
115	1001167636	1	Connector	
116	1001166707	2	Terminal	
117	4461006	2	Terminal Seal	
118	1001116812	1	Connector	
119	4460944	2	Terminal	
120	4460466	1	Plug	
121	4461095	1	Connector	
122	4461070	1	Terminator Resistor	
123	4460944	2	Terminal	
124	4460466	1	Plug	
125	4460891	1	Connector	
126	4460897	1	Mating Connector	
127	4460465	2	Terminal	
128	4460466	2	Plug	
129	4460539	1	Connector	
130	4460944	2	Terminal	
131	4460466	1	Plug	
132	4460933	1	Connector	
133	1001125677	1	Mating Connector	
134	4460465	12	Terminal	
135	4461018	1	Connector	
136	4460509	2	Terminal	
137	80963056	1	Connector	
138	80963055	1	Mating Connector	
139	4460979	1	Terminal	
140	1001175265	1	Terminal Seal	
141	1001116727	1	Plug	
142	4461095	1	Connector	
143	4461070	1	Terminator Resistor	
144	4460944	2	Terminal	
145	4460466	1	Plug	
146	1001133714	1	Connector	
147	1001133715	3	Terminal	
148	1001135650	3	Terminal Seal	
149	1001135651	1	Plug	
150	1001116812	1	Connector	
151	4460944	2	Terminal	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
152	4460466	1	Plug	
153	4460539	1	Connector	
154	4460944	2	Terminal	
155	4460466	1	Plug	
156	1001116812	1	Connector	
157	4460944	2	Terminal	
158	4460466	1	Plug	
159	1001133714	1	Connector	
160	1001133715	3	Terminal	
161	1001135650	3	Terminal Seal	
162	1001135651	1	Plug	
163	4460891	1	Connector	
164	4460942	2	Terminal	
165	4460891	1	Connector	
166	4460942	2	Terminal	
167	1001167528	1	Connector	
168	1001166704	4	Terminal	
169	1001137578	4	Terminal Seal	
170	1001165194	1	Connector	
171	1001126391	2	Plug	
172	1001166556	8	Terminal	
173	1001166774	2	Terminal	
174	1001126393	10	Terminal Seal	
175	4460891	1	Connector	
176	4460942	2	Terminal	
177	1001167620	1	Connector	
178	1001176004	2	Terminal	
179	1001176002	2	Terminal Seal	
180	1001167624	2	Plug	
181	1001116815	3	Connector	
182	4460945	4	Connector, 3 Way	

FIGURE 10-45. ENGINE HARNESS (LS)

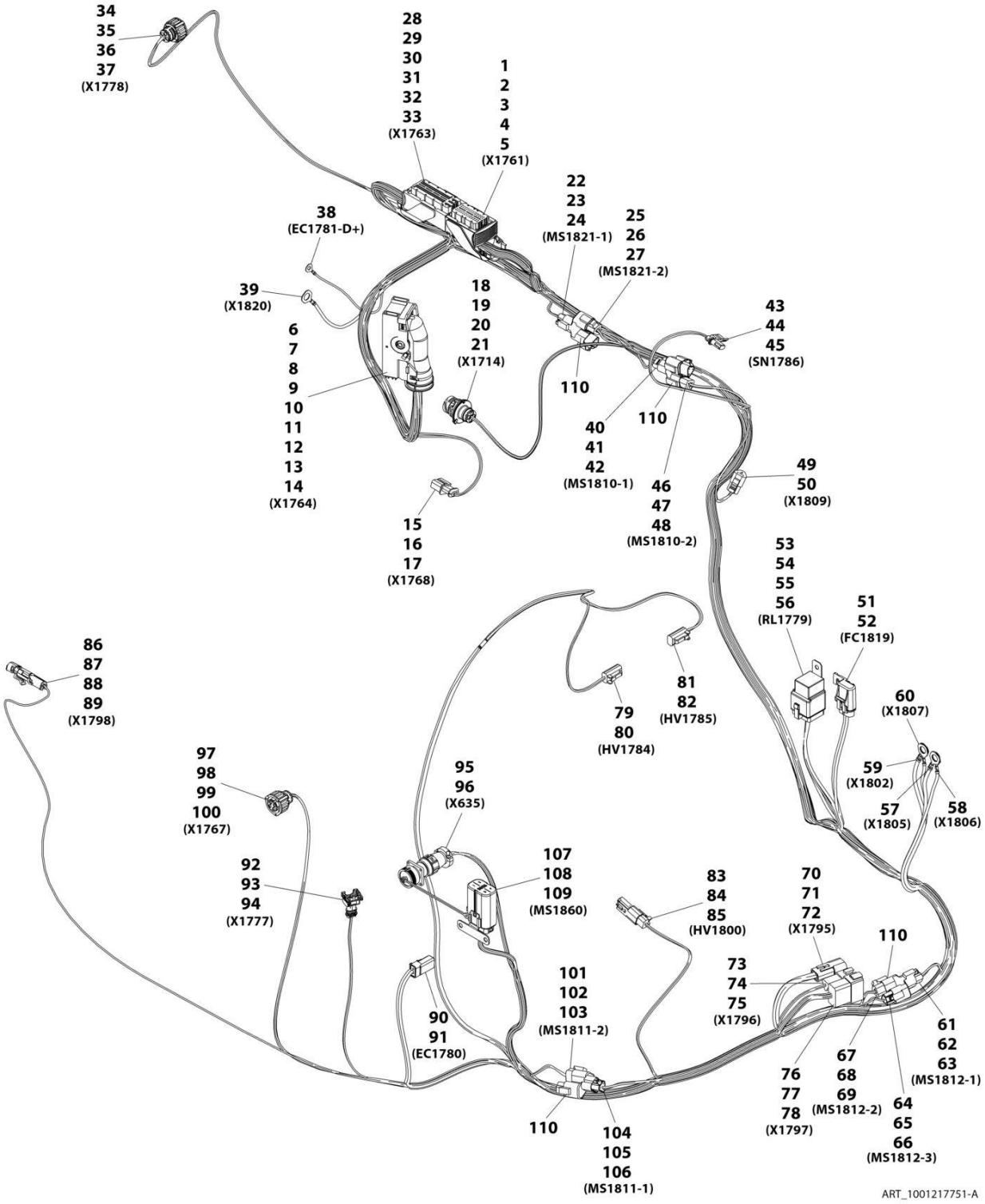


FIGURE 10-45. ENGINE HARNESS (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217751	Ref	Engine Harness, (LS)	A
1	1001126360	1	Connector	
2	1001126357	11	Plug	
3	1001126351	13	Terminal	
4	1001126356	19	Plug	
5	1001126384	17	Terminal	
6	1001126362	1	Connector	
7	1001166556	24	Terminal	
8	1001166701	24	Terminal Seal	
9	1001126391	22	Plug	
10	1001166774	10	Terminal	
11	1001126393	10	Terminal Seal	
12	4461008	4	Plug	
13	1001166543	2	Terminal	
14	4461054	2	Terminal Seal	
15	1001138110	1	Connector	
16	1001138111	2	Terminal	
17	1001138113	2	Terminal Seal	
18	1001148842	1	Connector	
19	1001148841	3	Terminal	
20	1001135650	3	Terminal Seal	
21	1001135651	1	Plug	
22	1001116812	1	Connector	
23	4460944	2	Terminal	
24	4460466	1	Plug	
25	4460539	1	Connector	
26	4460944	2	Terminal	
27	4460466	1	Plug	
28	1001126349	1	Connector	
29	1001126352	6	Terminal	
30	1001126353	6	Terminal Seal	
31	1001126357	2	Plug	
32	1001126356	65	Plug	
33	1001126384	21	Terminal	
34	1001133714	1	Connector	
35	1001133715	3	Terminal	
36	1001135650	3	Terminal Seal	
37	1001135651	1	Plug	
38	1001187070	1	Ring Terminal	
39	1001187078	1	Ring Terminal	
40	1001116812	1	Connector	
41	4460944	2	Terminal	
42	4460466	1	Plug	
43	1001117068	1	Connector	
44	8220124	2	Terminal	
45	4460608	2	Terminal Seal	
46	4460539	1	Connector	
47	4460944	2	Terminal	
48	4460466	1	Plug	
49	4460539	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460465	3	Terminal	
51	1001117018	1	Connector	
52	1001116734	2	Terminal	
53	1001118282	1	Connector	
54	1001116734	2	Terminal	
55	1001116733	2	Terminal	
56	1001128128	1	Plug	
57	1001187079	1	Ring Terminal	
58	1001187078	1	Ring Terminal	
59	1001187079	1	Ring Terminal	
60	1001187078	1	Ring Terminal	
61	1001116812	1	Connector	
62	4460944	2	Terminal	
63	4460466	1	Plug	
64	1001116812	1	Connector	
65	4460944	2	Terminal	
66	4460466	1	Plug	
67	4460539	1	Connector	
68	4460944	2	Terminal	
69	4460466	1	Plug	
70	1001116811	1	Connector	
71	1001150610	3	Terminal	
72	4460466	1	Plug	
73	1001144147	1	Connector	
74	4460944	2	Terminal	
75	4460466	1	Plug	
76	4460970	1	Connector	
77	4460464	8	Terminal	
78	4460466	4	Plug	
79	4460891	1	Connector	
80	4460465	2	Terminal	
81	4460891	1	Connector	
82	4460465	2	Terminal	
83	4460891	1	Connector	
84	4460465	2	Terminal	
85	4460897	1	Mating Connector	
86	80963056	1	Connector	
87	80963055	1	Mating Connector	
88	4460979	1	Terminal	
89	1001175265	1	Terminal Seal	
90	4461018	1	Connector	
91	4460509	2	Terminal	
92	1001116983	1	Connector	
93	1001116710	2	Terminal	
94	4461006	2	Terminal Seal	
95	2902443	1	Connector	
96	4461071	6	Terminal	
97	1001133714	1	Connector	
98	1001133715	3	Terminal	
99	1001135650	3	Terminal Seal	
100	1001135651	1	Plug	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460539	1	Connector	
102	4460944	2	Terminal	
103	4460466	1	Plug	
104	1001116812	1	Connector	
105	4460944	2	Terminal	
106	4460466	1	Plug	
107	1001184551	1	Connector	
108	1001116728	8	Terminal	
109	1001175265	8	Terminal Seal	
110	4460945	4	Connector, 3 Way	

FIGURE 10-46. ENGINE HARNESS (MINING) (LS)

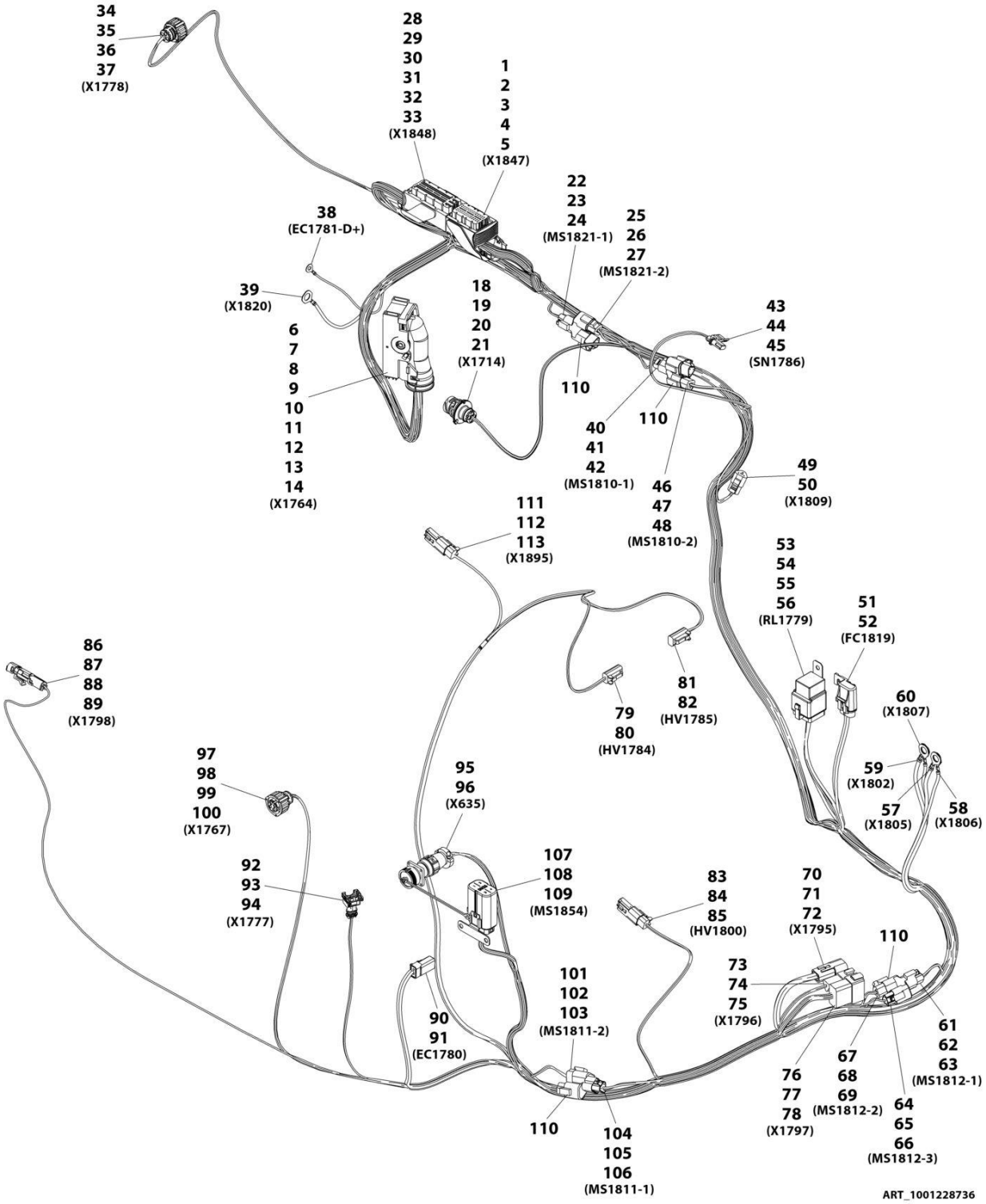


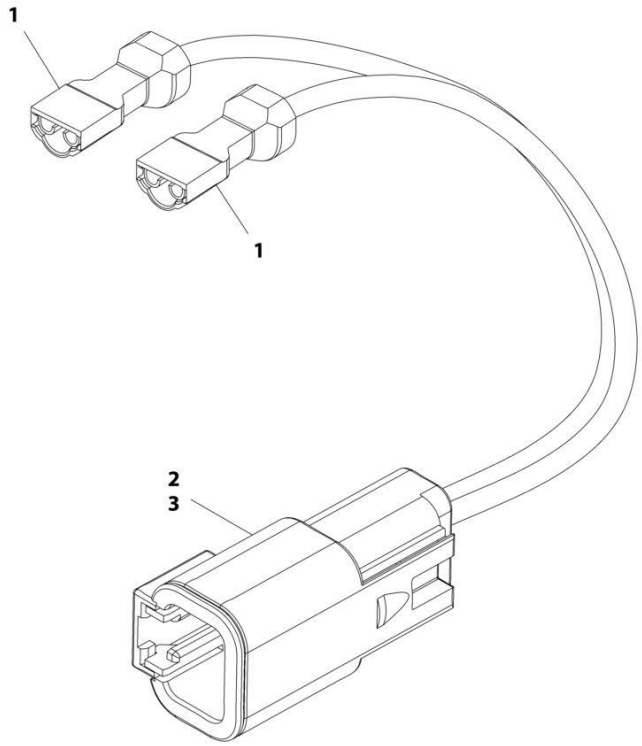
FIGURE 10-46. ENGINE HARNESS (MINING) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228736	Ref	Engine Harness Mining, (LS)	B
1	1001202723	1	Connector	
2	1001167623	7	Plug	
3	1001166555	11	Terminal	
4	1001167622	62	Plug	
5	1001167621	24	Terminal	
6	1001126362	1	Connector	
7	1001166556	22	Terminal	
8	1001166701	22	Terminal Seal	
9	1001126391	24	Plug	
10	1001166774	10	Terminal	
11	1001126393	10	Terminal Seal	
12	4461008	4	Plug	
13	1001166543	2	Terminal	
14	4461054	2	Terminal Seal	
18	1001148842	1	Connector	
19	1001148841	3	Terminal	
20	1001135650	3	Terminal Seal	
21	1001135651	1	Plug	
22	1001116812	1	Connector	
23	4460944	2	Terminal	
24	4460466	1	Plug	
25	4460539	1	Connector	
26	4460944	2	Terminal	
27	4460466	1	Plug	
28	1001202722	1	Connector	
29	1001166551	6	Terminal	
30	1001126353	6	Terminal Seal	
31	1001167622	64	Plug	
32	1001167623	7	Plug	
33	1001167621	14	Terminal	
34	1001133714	1	Connector	
35	1001133715	3	Terminal	
36	1001135650	3	Terminal Seal	
37	1001135651	1	Plug	
38	1001187070	1	Ring Terminal	
39	1001187078	1	Ring Terminal	
40	1001116812	1	Connector	
41	4460944	2	Terminal	
42	4460466	1	Plug	
43	1001209097	1	Connector	
44	8220124	2	Terminal	
45	4460608	2	Terminal Seal	
46	4460539	1	Connector	
47	4460944	2	Terminal	
48	4460466	1	Plug	
49	4460539	1	Connector	
50	4460465	3	Terminal	
51	1001117018	1	Connector	
52	1001116734	2	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	1001118282	1	Connector	
54	1001116734	2	Terminal	
55	1001116733	2	Terminal	
56	1001128128	1	Plug	
57	1001187079	1	Ring Terminal	
58	1001187078	1	Ring Terminal	
59	1001187079	1	Ring Terminal	
60	1001187078	1	Ring Terminal	
61	1001116812	1	Connector	
62	4460944	2	Terminal	
63	4460466	1	Plug	
64	1001116812	1	Connector	
65	4460944	2	Terminal	
66	4460466	1	Plug	
67	4460539	1	Connector	
68	4460944	2	Terminal	
69	4460466	1	Plug	
70	1001116811	1	Connector	
71	1001150610	3	Terminal	
72	4460466	1	Plug	
73	1001144147	1	Connector	
74	4460944	2	Terminal	
75	4460466	1	Plug	
76	4460970	1	Connector	
77	4460464	8	Terminal	
78	4460466	4	Plug	
79	4460891	1	Connector	
80	4460465	2	Terminal	
81	4460891	1	Connector	
82	4460465	2	Terminal	
83	4460891	1	Connector	
84	4460465	2	Terminal	
85	4460897	1	Mating Connector	
86	80963056	1	Connector	
87	80963055	1	Mating Connector	
88	4460979	1	Terminal	
89	1001175265	1	Terminal Seal	
90	4461018	1	Connector	
91	4460509	2	Terminal	
92	1001116983	1	Connector	
93	1001116710	2	Terminal	
94	4461006	2	Terminal Seal	
95	2902443	1	Connector	
96	4461071	6	Terminal	
97	1001133714	1	Connector	
98	1001133715	3	Terminal	
99	1001135650	3	Terminal Seal	
100	1001135651	1	Plug	
101	4460539	1	Connector	
102	4460944	2	Terminal	
103	4460466	1	Plug	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
104	1001116812	1	Connector	
105	4460944	2	Terminal	
106	4460466	1	Plug	
107	80484081	1	Connector	
108	1001116728	8	Terminal	
109	1001175265	3	Terminal Seal	
109	4460458	5	Terminal Seal	
110	4460945	4	Connector, 3 Way	
111	4460891	1	Connector	
112	4460465	1	Terminal	
113	4460897	1	Mating Connector	

FIGURE 10-47. ENGINE - FUEL PUMP HARNESS

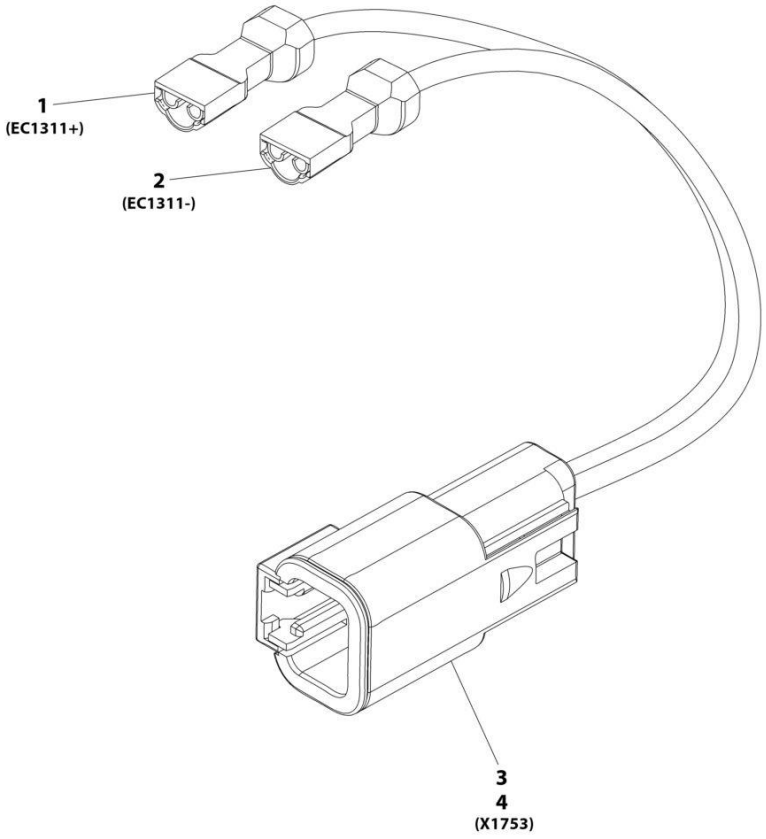


ART_1001182929-E

FIGURE 10-47. ENGINE - FUEL PUMP HARNESS

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

FIGURE 10-48. ENGINE - FUEL PUMP HARNESS (MINING) (ULS)

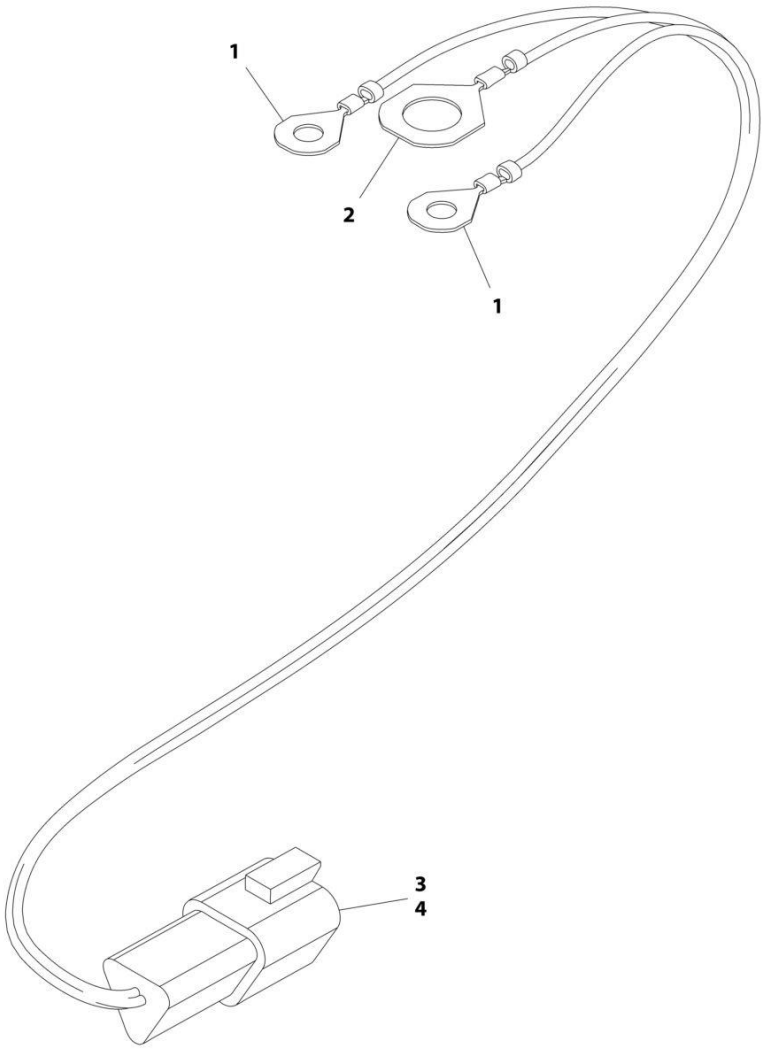


ART_1001228733-A

FIGURE 10-48. ENGINE - FUEL PUMP HARNESS (MINING) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228733	Ref	Fuel Pump Harness (Mining) (ULS)	A
1	8220043	1	Connector	
2	8220043	1	Connector	
3	4461017	1	Connector	
4	4460508	2	Terminal	

FIGURE 10-49. ENGINE - GLOW PLUG RELAY HARNESS

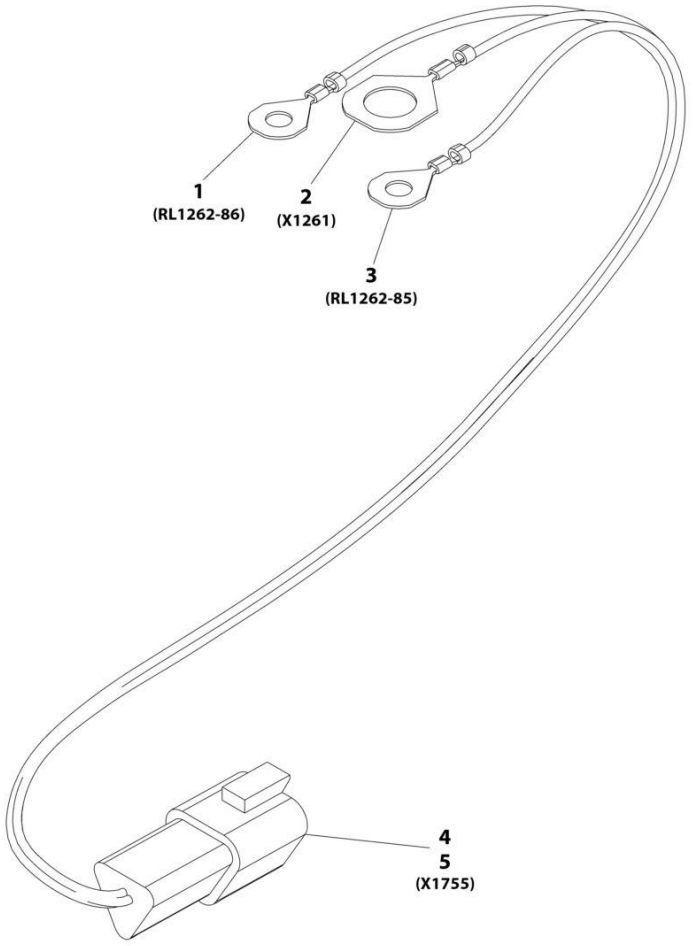


ART_1001182930-C

FIGURE 10-49. ENGINE - GLOW PLUG RELAY HARNESS

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

FIGURE 10-50. ENGINE - GLOW PLUG RELAY HARNESS (MINING) (ULS)



ART_1001228732-A

FIGURE 10-50. ENGINE - GLOW PLUG RELAY HARNESS (MINING) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228732	Ref	Glow Plug Relay Harness (Mining) (ULS)	A
1	1001187070	1	Ring, Terminal	
2	1001187077	1	Ring, Terminal	
3	1001187070	1	Ring, Terminal	
4	4460536	1	Connector	
5	4460464	3	Terminal	

FIGURE 10-51. ENGINE ECU INSTALLATION

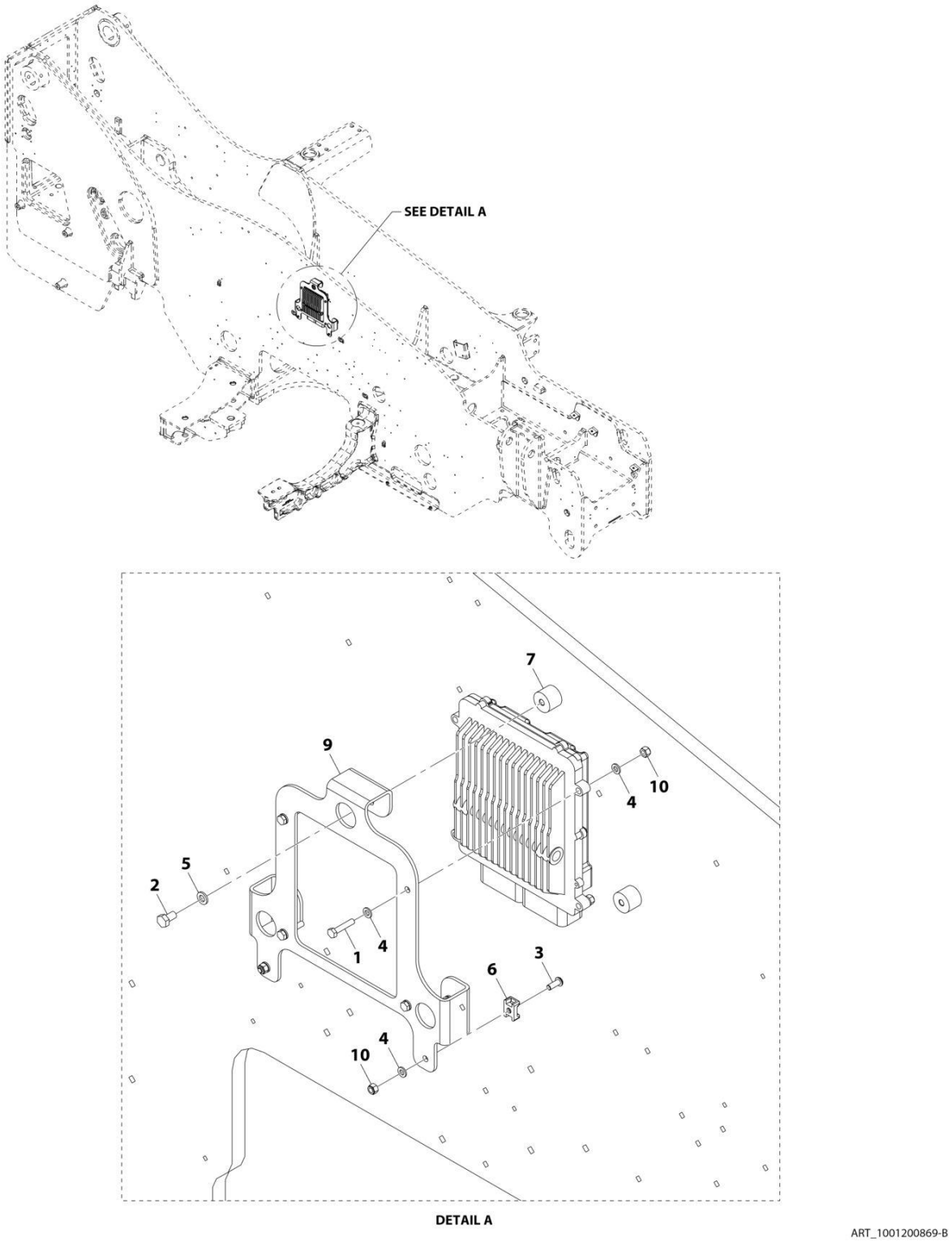


FIGURE 10-51. ENGINE ECU INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200869	Ref	Engine ECU Installation	B
1	0700614	4	Bolt, M6X30	
2	0760807	3	Bolt, M8X14	
3	3900357	2	Capscrew, M6X16	
4	4811700	10	Washer, M6	
5	4831900	3	Washer, Lock M8	
6	1001138645	2	Mount, Cable Tie	
7	1001179907	3	Mount, Isolator	
9	1001210397	1	Plate	
10	3290605	6	Nut, Lock M6X1	

FIGURE 10-52. ENGINE - AIR SHUTOFF VALVE HARNESS

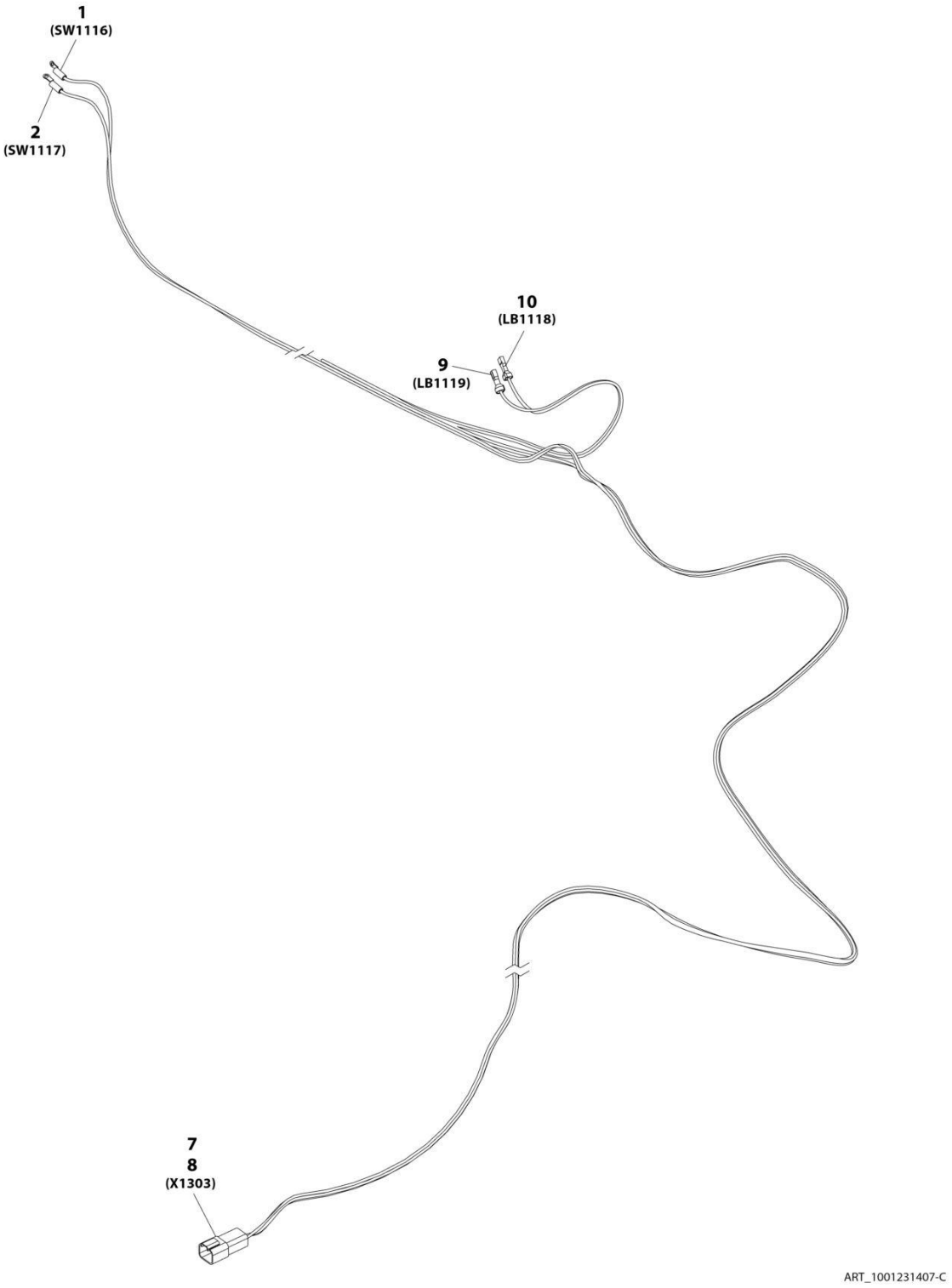


FIGURE 10-52. ENGINE - AIR SHUTOFF VALVE HARNESS

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

FIGURE 10-53. ENGINE - AIR SHUT OFF VALVE HARNESS (ENGINE)

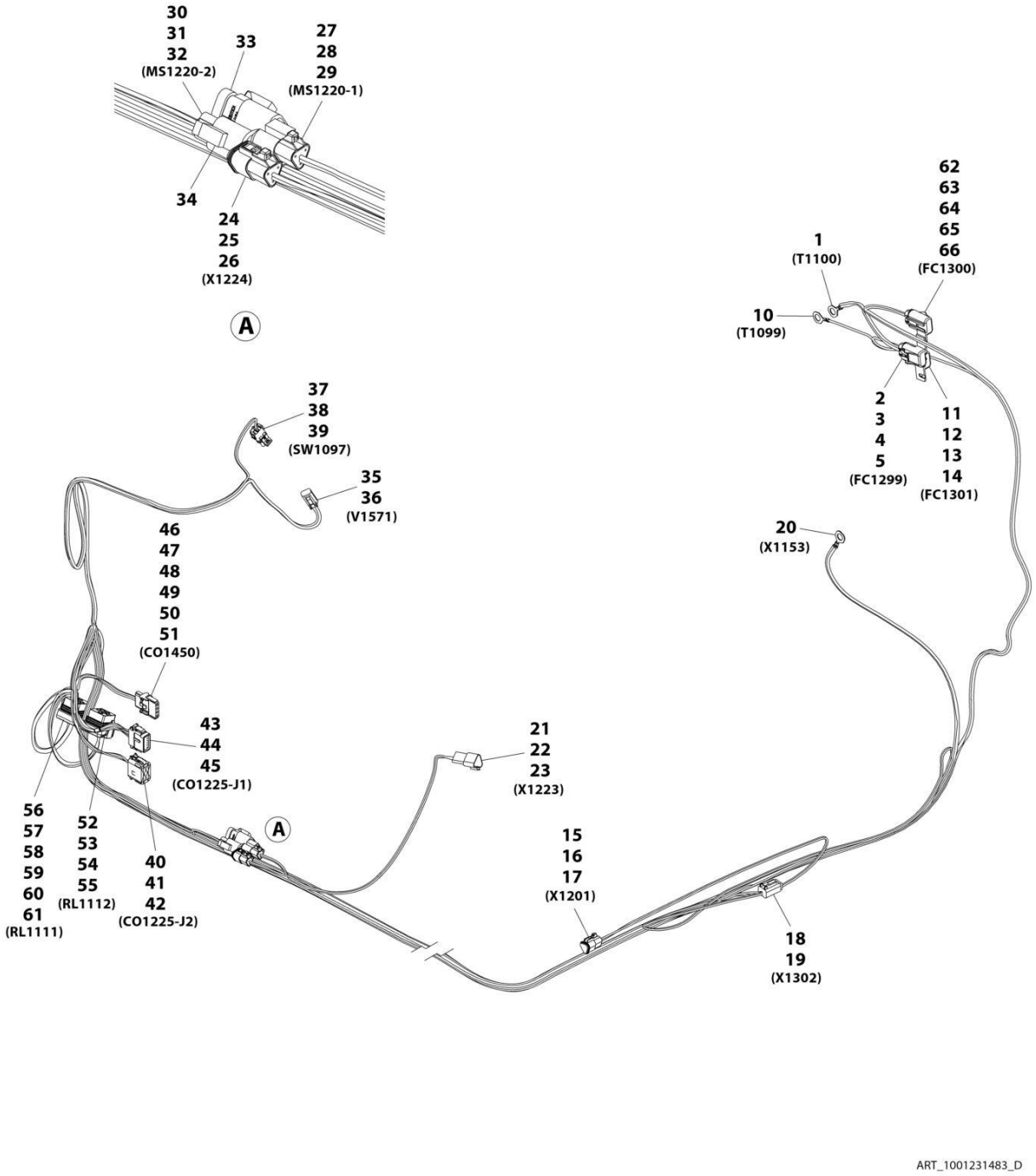


FIGURE 10-53. ENGINE - AIR SHUT OFF VALVE HARNESS (ENGINE)

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

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

FIGURE 10-54. FRAME ELECTRICAL INSTALLATION

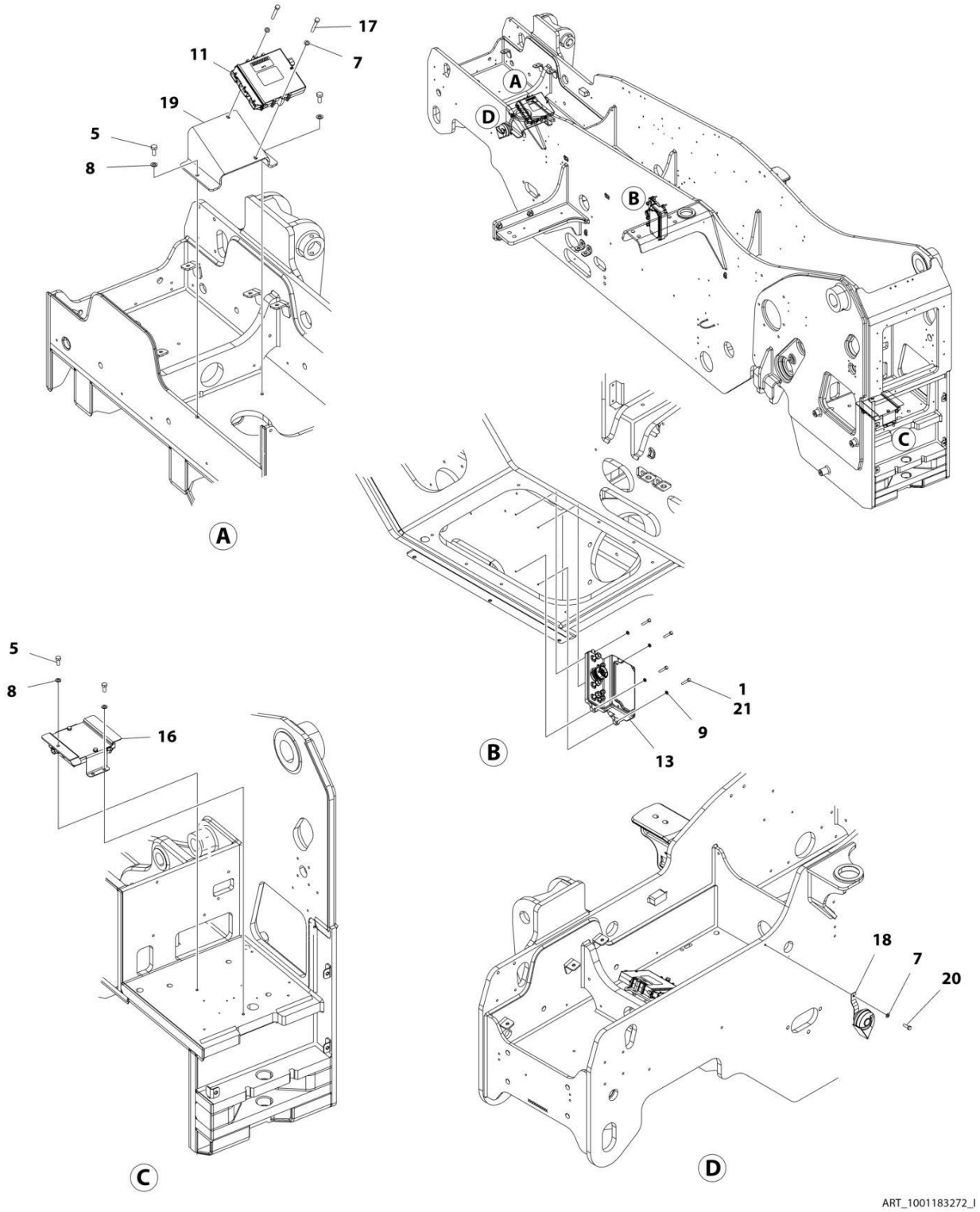


FIGURE 10-54. FRAME ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183272	Ref	FRAME ELECTRICAL INSTALLATION	I
1	0700614	4	Bolt M6 x 30	
5	0761012	4	Bolt M10 x 25	
7	4811900	3	Washer M8	
8	4812000	4	Washer M10	
9	4831700	4	Washer M6	
11	1001270467	1	Control, Front Frame Module	
13	1001164402	1	Box, Power Distribution Electrical (See Separate Breakdown in this Section)	
16	1001210770	1	Installation, Rear Frame Module (See Separate Breakdown in this Section)	
17	0700820	2	Bolt M8 x 60	
18	10713707	1	Horn	
19	1001215208	1	Bracket	
20	0760812	1	Bolt M8 x 25	
21	1001180620	AR	Adhesive, Loctite	

FIGURE 10-55. FRAME - POWER DISTRIBUTION ELECTRICAL BOX

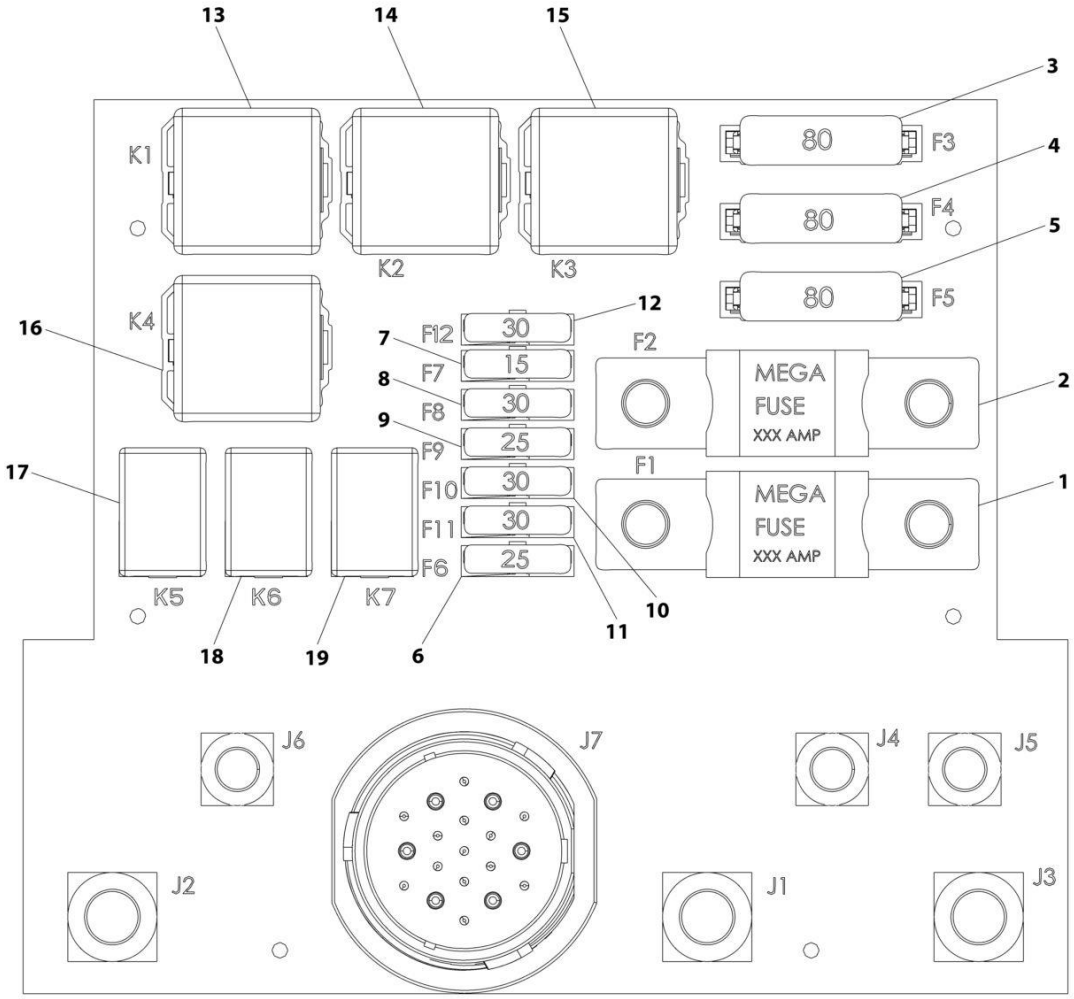


FIGURE 10-55. FRAME - POWER DISTRIBUTION ELECTRICAL BOX

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

FIGURE 10-56. FRAME - REAR FRAME MODULE INSTALLATION

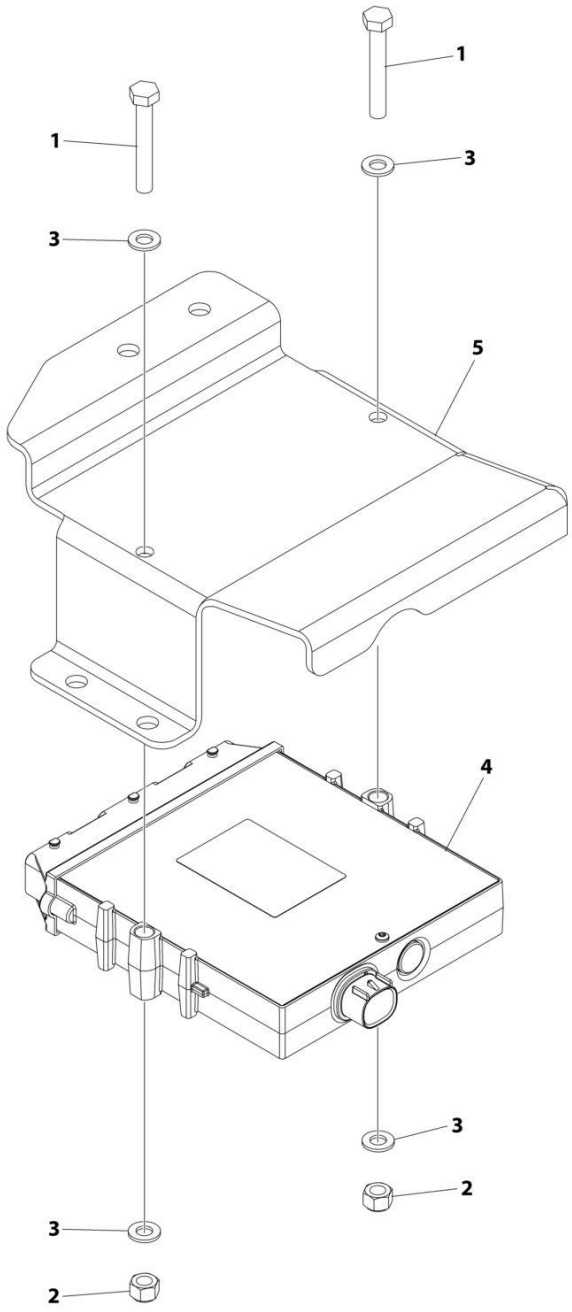


FIGURE 10-56. FRAME - REAR FRAME MODULE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210770	Ref	Rear Frame Module Installation	D
1	0700819	2	Bolt M8 x 55	
2	3290805	2	Nut M8 x 1.25	
3	4811900	4	Washer M8	
4	1001162256	1	Control, Rear Frame Module	
5	1001255581	1	Bracket	

FIGURE 10-57. FRAME WIRING INSTALLATION

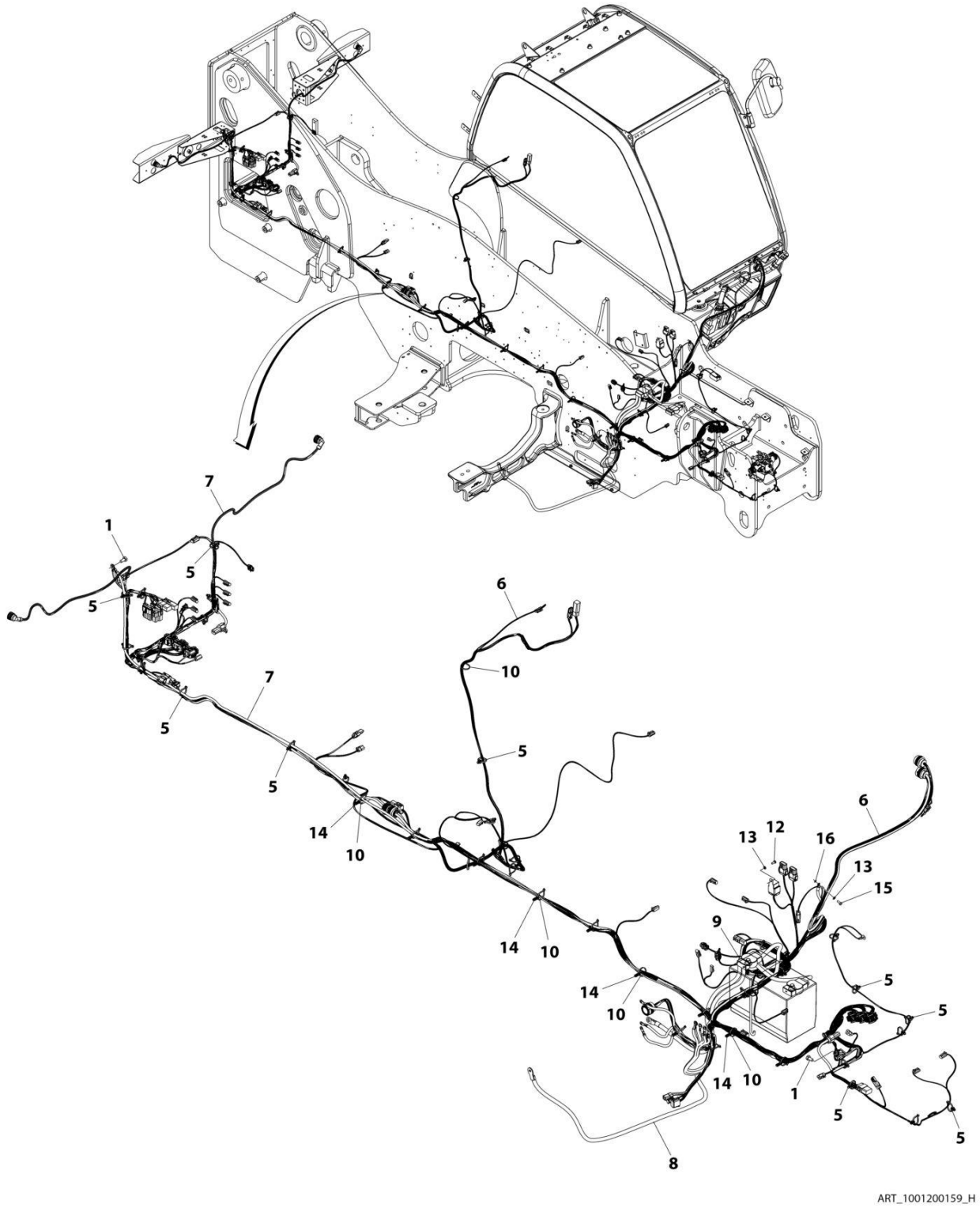


FIGURE 10-57. FRAME WIRING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200159	Ref	Frame Wiring Installation	H
1	0761010	2	Bolt M10 x 20	
5	1001146588	25	Tie, Cable	
6	1001258277	1	Harness, Front Frame (See Separate Breakdown in this Section)	
7	1001184397	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
8	1001200168	1	Cable, Negative Battery	
9	1001200169	1	Cable, Positive Battery	
10	1001008559	16	Strap, Cable	
12	0760607	1	Bolt M6 x 14	
13	4811700	2	Washer M6	
14	1001202986	13	Strap Push Mount	
15	0760608	1	Bolt M6 x 16	
16	4871700	1	Washer M6	

FIGURE 10-58. FRAME WIRING INSTALLATION, MINING (ULS)

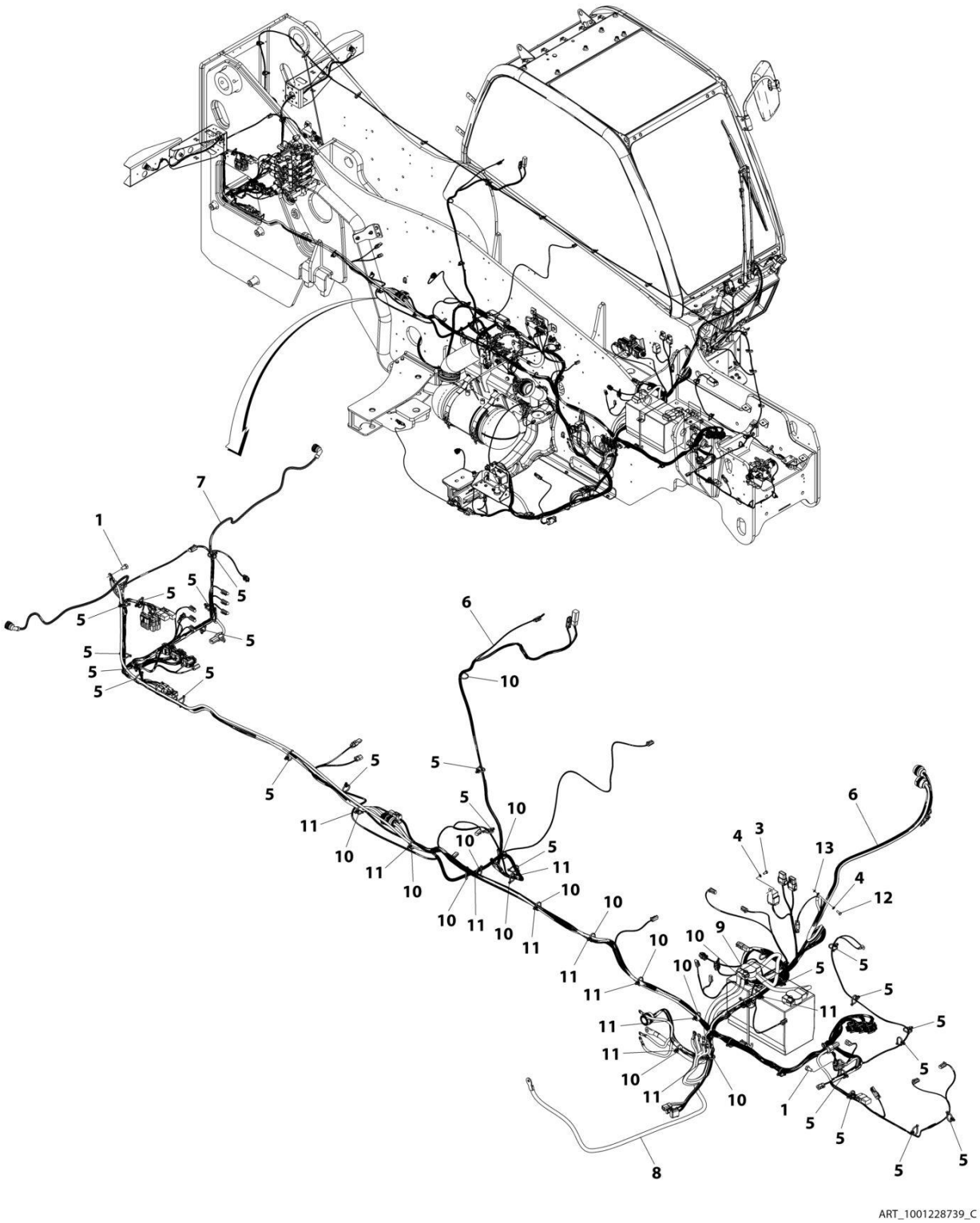


FIGURE 10-58. FRAME WIRING INSTALLATION, MINING (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228739	Ref	Frame Wiring Installation, Mining (ULS)	C
1	0761010	2	Bolt M10 x 20	
3	0760607	1	Bolt M6 x 14	
4	4811700	2	Washer M6	
5	1001146588	25	Tie, Cable	
6	1001258278	1	Harness, Front Frame (See Separate Breakdown in this Section)	
7	1001228741	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
8	1001200168	1	Cable, Negative Battery	
9	1001200169	1	Cable, Positive Battery	
10	1001008559	16	Strap, Cable	
11	1001202986	13	Push Mount, Strap	
12	0760608	1	Bolt M6 x 16	
13	4871700	1	Washer M6	

FIGURE 10-59. FRAME - FRONT FRAME HARNESS

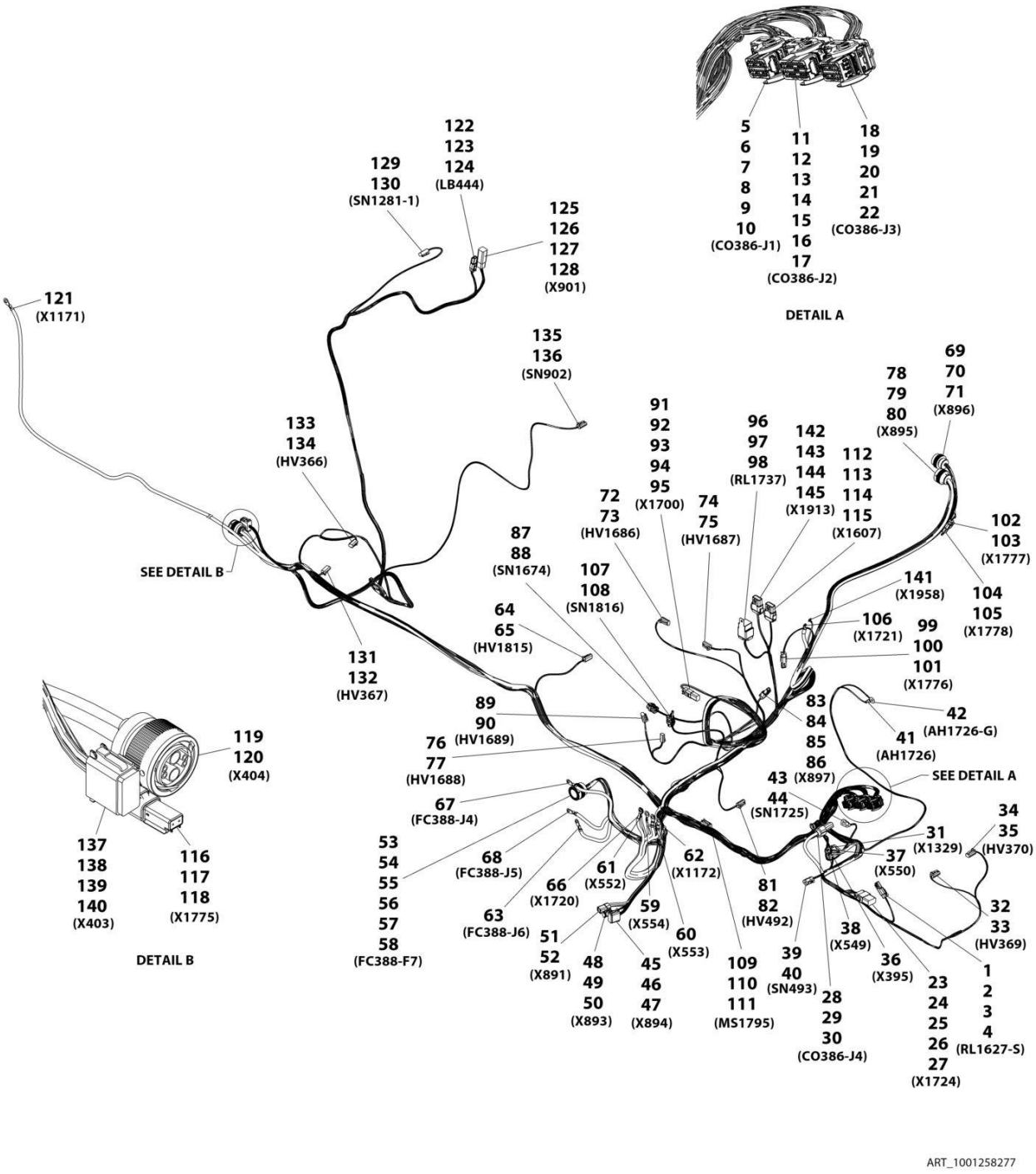


FIGURE 10-59. FRAME - FRONT FRAME HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258277	Ref	Front Frame Harness	B
1	4460891	1	Connector	
2	4460897	1	Mating Connector	
3	4460466	2	Plug	
4	4460465	2	Terminal	
5	1001161957	1	Connector	
6	643191201	1	Cover	
7	1001161100	12	Plug	
8	1001161097	12	Terminal	
9	1001161101	5	Plug	
10	1001161098	3	Terminal	
11	1001161963	1	Connector	
12	643201301	1	Cover	
13	1001161097	21	Terminal	
14	1001161100	19	Plug	
15	1001161099	6	Terminal	
16	1001161098	1	Terminal	
17	1001161101	1	Plug	
18	1001160500	1	Connector	
19	643191201	1	Cover	
20	1001161097	10	Terminal	
21	1001161100	15	Plug	
22	1001161099	7	Terminal	
23	4460933	1	Connector	
24	4460970	1	Mating Connector	
25	4460466	2	Plug	
26	4460942	10	Terminal	
27	4460466	2	Plug	
28	1001160509	1	Connector	
29	1001160510	1	Terminal	
30	1001175267	1	Seal	
31	1001187080	1	Ring Terminal	
32	4460891	1	Connector	
33	4460465	2	Terminal	
34	4460891	1	Connector	
35	4460465	2	Terminal	
36	1001187080	1	Ring Terminal	
37	1001187079	1	Ring Terminal	
38	1001187079	1	Ring Terminal	
39	4460539	1	Connector	
40	4460465	3	Terminal	
41	8220051	1	Ring Terminal	
42	1001187073	1	Ring Terminal	
43	4460539	1	Connector	
44	4460465	3	Terminal	
45	4460933	1	Connector	
46	4460465	11	Terminal	
47	4460466	1	Plug	
48	1001116812	1	Connector	
49	4460465	2	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460466	1	Plug	
51	1001116810	1	Connector	
52	1001150611	4	Terminal	
53	1001165309	1	Connector	
54	4460466	2	Plug	
55	4460465	9	Terminal	
56	4460942	2	Terminal	
57	4460509	3	Terminal	
58	1001150611	3	Terminal	
59	1001187079	1	Ring Terminal	
60	1001187076	1	Ring Terminal	
61	1001187079	1	Ring Terminal	
62	1001187076	1	Ring Terminal	
63	1001187075	1	Ring Terminal	
64	4460891	1	Connector	
65	4460465	2	Terminal	
66	1001117109	1	Ring Terminal	
67	1001187075	1	Ring Terminal	
68	1001187075	1	Ring Terminal	
69	4461015	1	Connector	
70	4460465	12	Terminal	
71	4460466	2	Plug	
72	4460891	1	Connector	
73	4460465	2	Terminal	
74	4460891	1	Connector	
75	4460465	2	Terminal	
76	4461290	1	Connector	
77	4460928	2	Terminal	
78	1001118323	1	Connector	
79	4460942	4	Terminal	
80	91013192	2	Terminal	
81	4460891	1	Connector	
82	4460465	2	Terminal	
83	4460891	1	Connector	
84	4460897	1	Mating Connector	
85	4460942	1	Terminal	
86	4460466	1	Plug	
87	1001116950	1	Connector	
88	4460465	2	Terminal	
89	4460891	1	Connector	
90	4460465	2	Terminal	
91	4460884	1	Connector	
92	4460932	1	Mating Connector	
93	4460466	1	Sealing Plug	
94	4460465	3	Terminal	
95	4460942	1	Terminal	
96	1001118202	1	Connector	
97	1001116732	4	Terminal	
98	1001128128	1	Plug	
99	4460891	1	Connector	
100	4460897	1	Mating Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460465	2	Terminal	
102	4460891	1	Connector	
103	4460465	2	Terminal	
104	4460897	1	Connector	
105	4460464	2	Terminal	
106	8220116	1	Ring Terminal	
107	1001116950	1	Connector	
108	4460465	2	Terminal	
109	4460930	1	Connector	
110	4460984	1	Mating Connector	
111	4460465	8	Terminal	
112	1001116774	1	Connector	
113	1001132169	1	Mating Connector	
114	4460518	7	Plug	
115	1001126008	5	Terminal	
116	4460891	1	Connector	
117	4460897	1	Mating Connector	
118	4460465	2	Terminal	
119	1001165310	1	Connector	
120	91013192	2	Terminal	
121	1001187076	1	Ring Terminal	
122	4460891	1	Connector	
123	4460897	1	Mating Connector	
124	4460942	2	Terminal	
125	4460894	1	Connector	
126	4460899	1	Mating Connector	
127	4460465	2	Terminal	
128	4460942	4	Terminal	
129	4460891	1	Connector	
130	4460465	2	Terminal	
131	4460891	1	Connector	
132	4460465	2	Terminal	
133	4460891	1	Connector	
134	4460465	2	Terminal	
135	4460891	1	Connector	
136	4460465	2	Terminal	
137	4460933	1	Connector	
138	4460465	6	Terminal	
139	4460942	1	Terminal	
140	4460466	5	Plug	
141	1001207173	1	Terminal, Ring	
142	1001116808	1	Connector	
143	1001132170	1	Mating Connector	
144	4460518	18	Plug	
145	1001126008	3	Terminal	

FIGURE 10-60. FRAME - FRONT FRAME HARNESS, MINING

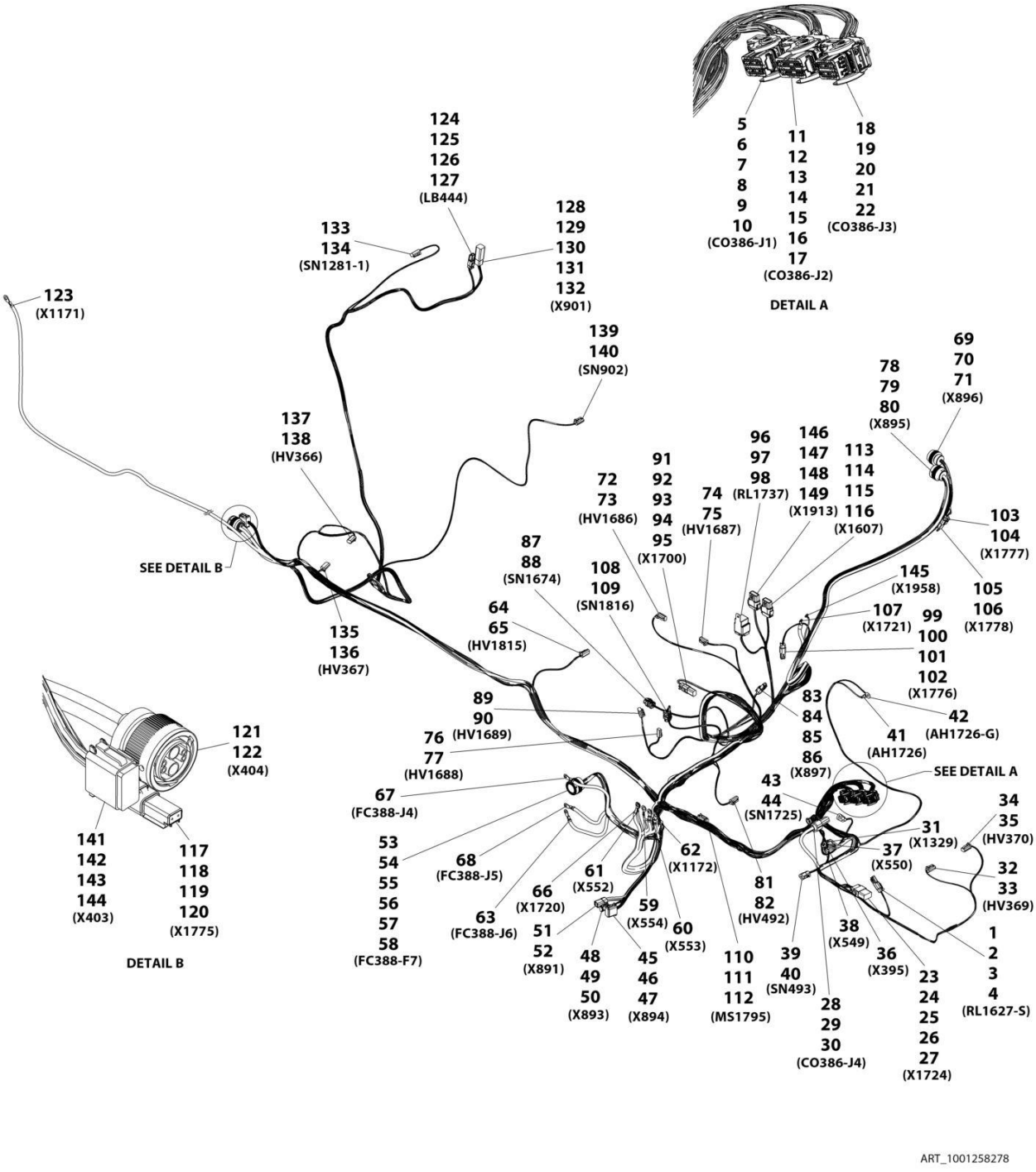


FIGURE 10-60. FRAME - FRONT FRAME HARNESS, MINING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258278	Ref	Front Frame Harness, Mining	B
1	4460891	1	Connector	
2	4460897	1	Mating Connector	
3	4460466	2	Plug	
4	4460465	2	Terminal	
5	1001161957	1	Connector	
6	643191201	1	Cover	
7	1001161100	12	Plug	
8	1001161097	12	Terminal	
9	1001161101	5	Plug	
10	1001161098	3	Terminal	
11	1001161963	1	Connector	
12	643201301	1	Cover	
13	1001161097	22	Terminal	
14	1001161100	19	Plug	
15	1001161099	6	Terminal	
16	1001161098	1	Terminal	
17	1001161101	1	Plug	
18	1001160500	1	Connector	
19	643191201	1	Cover	
20	1001161097	10	Terminal	
21	1001161100	15	Plug	
22	1001161099	7	Terminal	
23	4460933	1	Connector	
24	4460970	1	Mating Connector	
25	4460466	2	Plug	
26	4460942	10	Terminal	
27	4460466	2	Plug	
28	1001160509	1	Connector	
29	1001160510	1	Terminal	
30	1001175267	1	Seal	
31	1001187080	1	Ring Terminal	
32	4460891	1	Connector	
33	4460465	2	Terminal	
34	4460891	1	Connector	
35	4460465	2	Terminal	
36	1001187080	1	Ring Terminal	
37	1001187079	1	Ring Terminal	
38	1001187079	1	Ring Terminal	
39	4460539	1	Connector	
40	4460465	3	Terminal	
41	8220051	1	Ring Terminal	
42	1001187073	1	Ring Terminal	
43	4460539	1	Connector	
44	4460465	3	Terminal	
45	4460933	1	Connector	
46	4460465	11	Terminal	
47	4460466	1	Plug	
48	1001116812	1	Connector	
49	4460465	2	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460466	1	Plug	
51	1001116810	1	Connector	
52	1001150611	4	Terminal	
53	1001165309	1	Connector	
54	4460466	2	Plug	
55	4460465	9	Terminal	
56	4460942	2	Terminal	
57	4460509	3	Terminal	
58	1001150611	3	Terminal	
59	1001187079	1	Ring Terminal	
60	1001187076	1	Ring Terminal	
61	1001187079	1	Ring Terminal	
62	1001187076	1	Ring Terminal	
63	1001187075	1	Ring Terminal	
64	4460891	1	Connector	
65	4460465	2	Terminal	
66	1001117109	1	Ring Terminal	
67	1001187075	1	Ring Terminal	
68	1001187075	1	Ring Terminal	
69	4461015	1	Connector	
70	4460465	12	Terminal	
71	4460466	2	Plug	
72	4460891	1	Connector	
73	4460465	2	Terminal	
74	4460891	1	Connector	
75	4460465	2	Terminal	
76	4461290	1	Connector	
77	4460928	2	Terminal	
78	1001118323	1	Connector	
79	4460942	4	Terminal	
80	91013192	2	Terminal	
81	4460891	1	Connector	
82	4460465	2	Terminal	
83	4460891	1	Connector	
84	4460897	1	Mating Connector	
85	4460942	1	Terminal	
86	4460466	1	Plug	
87	1001116950	1	Connector	
88	4460465	2	Terminal	
89	4460891	1	Connector	
90	4460465	2	Terminal	
91	4460884	1	Connector	
92	4460932	1	Mating Connector	
93	4460466	1	Sealing Plug	
94	4460465	3	Terminal	
95	4460942	1	Terminal	
96	1001118282	1	Connector	
97	1001116732	4	Terminal	
98	1001128128	1	Plug	
99	4460891	1	Connector	
100	4460897	1	Mating Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460465	2	Terminal	
102	4460466	1	Plug	
103	4460891	1	Connector	
104	4460465	2	Terminal	
105	4460897	1	Connector	
106	4460464	2	Terminal	
107	8220116	1	Ring Terminal	
108	1001116950	1	Connector	
109	4460465	2	Terminal	
110	4460930	1	Connector	
111	4460984	1	Mating Connector	
112	4460465	8	Terminal	
113	1001116774	1	Connector	
114	1001132169	1	Mating Connector	
115	4460518	7	Plug	
116	1001126008	5	Terminal	
117	4460891	1	Connector	
118	4460897	1	Mating Connector	
119	4460465	2	Terminal	
120	4460466	1	Plug	
121	1001165310	1	Connector	
122	91013192	2	Terminal	
123	1001187076	1	Ring Terminal	
124	4460891	1	Connector	
125	4460897	1	Mating Connector	
126	4460942	2	Terminal	
127	4460466	1	Plug	
128	4460894	1	Connector	
129	4460899	1	Mating Connector	
130	4460466	1	Plug	
131	4460465	2	Terminal	
132	4460942	4	Terminal	
133	4460891	1	Connector	
134	4460465	2	Terminal	
135	4460891	1	Connector	
136	4460465	2	Terminal	
137	4460891	1	Connector	
138	4460465	2	Terminal	
139	4460891	1	Connector	
140	4460465	2	Terminal	
141	4460933	1	Connector	
142	4460465	6	Terminal	
143	4460942	1	Terminal	
144	4460466	5	Plug	
145	1001207173	1	Terminal, Ring	
146	1001116808	1	Connector	
147	1001132170	1	Mating Connector	
148	4460518	18	Plug	
149	1001126008	3	Terminal	

FIGURE 10-61. FRAME - REAR FRAME HARNESS

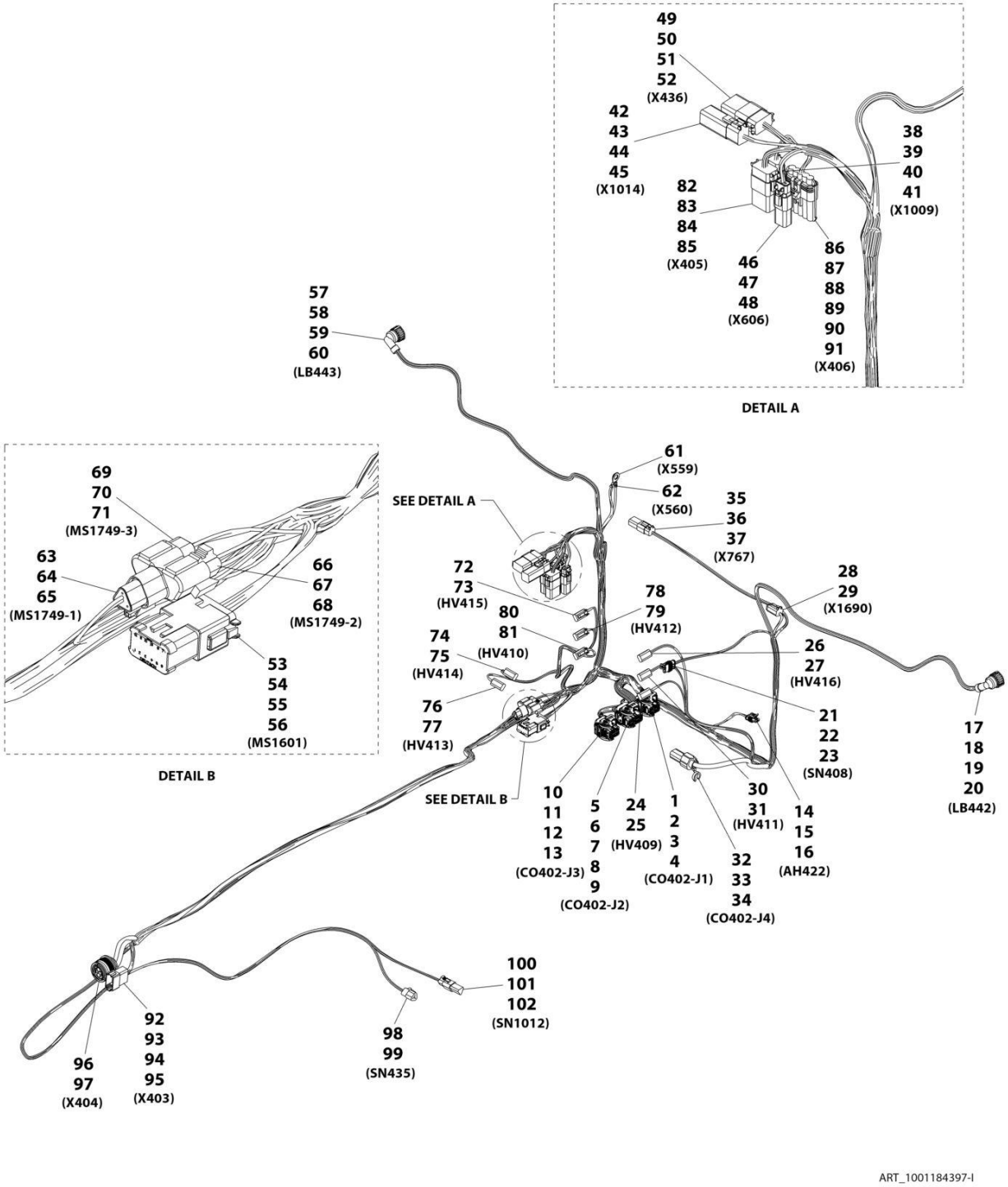


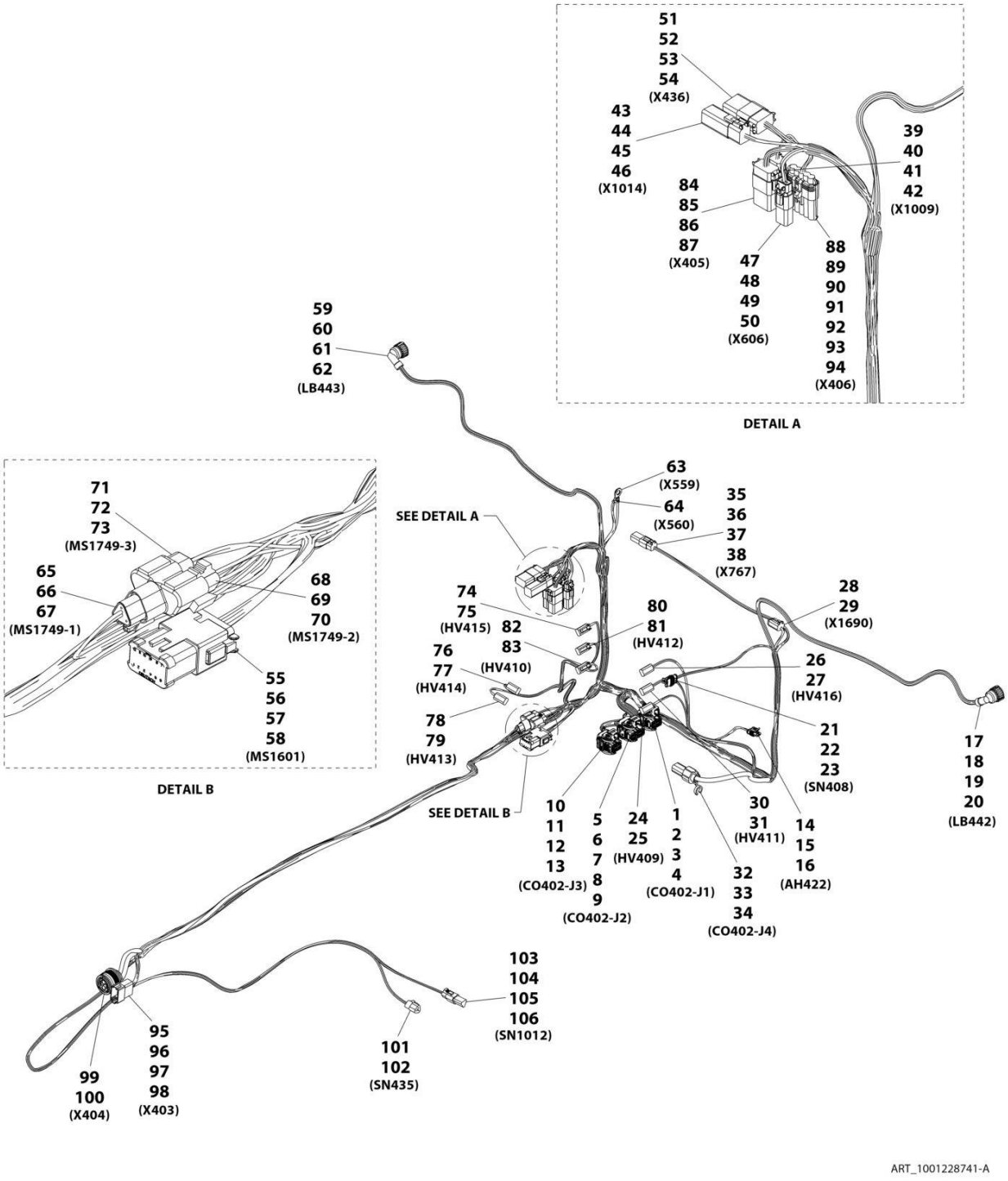
FIGURE 10-61. FRAME - REAR FRAME HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184397	Ref	Rear Frame Harness	I
1	1001161957	1	Connector	
2	1001161097	6	Terminal	
3	1001161100	18	Plug	
4	1001161101	8	Plug	
5	1001161963	1	Connector	
6	1001161097	26	Terminal	
7	1001161100	14	Plug	
8	1001161099	6	Terminal	
9	1001161101	2	Plug	
10	1001160500	1	Connector	
11	1001161100	18	Plug	
12	1001161097	6	Terminal	
13	1001161099	8	Terminal	
14	4461118	1	Connector	
15	1001107854	2	Terminal	
16	1001116763	2	Terminal Seal	
17	1001116996	1	Connector	
18	1001118392	6	Terminal	
19	1001116696	1	Plug	
20	4461054	6	Terminal Seal	
21	4461262	1	Connector	
22	1001107854	3	Terminal	
23	1001104498	3	Terminal Seal	
24	4460891	1	Connector	
25	4460465	2	Terminal	
26	4460891	1	Connector	
27	4460465	2	Terminal	
28	4460884	1	Connector	
29	4460465	4	Terminal	
30	4460891	1	Connector	
31	4460465	2	Terminal	
32	1001160509	1	Connector	
33	1001160510	1	Terminal	
34	1001175267	1	Terminal Seal	
35	4460884	1	Connector	
36	4460932	1	Mating Connector	
37	4460465	4	Terminal	
38	4460884	1	Connector	
39	4460932	1	Mating Connector	
40	4460466	2	Plug	
41	4460465	2	Terminal	
42	4460894	1	Connector	
43	4460899	1	Mating Connector	
44	4460466	3	Plug	
45	4460465	3	Terminal	
46	4461018	1	Connector	
47	4461017	1	Mating Connector	
48	4460509	2	Terminal	
49	4460930	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460931	1	Mating Connector	
51	4460466	2	Plug	
52	4460465	6	Terminal	
53	4460933	1	Connector	
54	1001125677	1	Bussbar Connector	
55	4460465	10	Terminal	
56	4460466	2	Plug	
57	1001116996	1	Connector	
58	1001118392	6	Terminal	
59	1001116696	1	Plug	
60	4461054	6	Terminal Seal	
61	1001187080	1	Ring Terminal	
62	1001187079	1	Ring Terminal	
63	1001116812	1	Connector	
64	4460944	2	Terminal	
65	4460466	1	Plug	
66	4460539	1	Connector	
67	4460944	2	Terminal	
68	4460466	1	Plug	
69	1001116812	1	Connector	
70	4460944	2	Terminal	
71	4460466	1	Plug	
72	4460891	1	Connector	
73	4460465	2	Terminal	
74	4460891	1	Connector	
75	4460465	2	Terminal	
76	4460891	1	Connector	
77	4460465	2	Terminal	
78	4460891	1	Connector	
79	4460465	2	Terminal	
80	4460891	1	Connector	
81	4460465	2	Terminal	
82	4460930	1	Connector	
83	4460931	1	Mating Connector	
84	4460466	2	Plug	
85	4460465	6	Terminal	
86	1001121726	1	Connector	
87	1001121727	1	Mating Connector	
88	1001116728	4	Terminal	
89	4460748	1	Plug	
90	1001175265	3	Terminal Seal	
91	4460458	1	Terminal Seal	
92	4460970	1	Connector	
93	4460464	6	Terminal	
94	4460941	1	Terminal	
95	4460466	5	Plug	
96	1001165311	1	Connector	
97	91013191	2	Terminal	
98	4460539	1	Connector	
99	4460944	3	Terminal	
100	4460539	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460536	1	Mating Connector	
102	4460465	3	Terminal	

FIGURE 10-62. FRAME - REAR FRAME HARNESS, MINING



ART_1001228741-A

FIGURE 10-62. FRAME - REAR FRAME HARNESS, MINING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228741	Ref	Front Frame Harness, Mining	A
1	1001161957	1	Connector	
2	1001161097	6	Terminal	
3	1001161100	18	Plug	
4	1001161101	8	Plug	
5	1001161963	1	Connector	
6	1001161097	26	Terminal	
7	1001161100	14	Plug	
8	1001161099	6	Terminal	
9	1001161101	2	Plug	
10	1001160500	1	Connector	
11	1001161100	18	Plug	
12	1001161097	6	Terminal	
13	1001161099	8	Terminal	
14	4461118	1	Connector	
15	1001107854	2	Terminal	
16	1001116763	2	Terminal Seal	
17	1001116996	1	Connector	
18	1001118392	6	Terminal	
19	1001116696	1	Plug	
20	4461054	6	Terminal Seal	
21	4461262	1	Connector	
22	1001107854	3	Terminal	
23	1001104498	3	Terminal Seal	
24	4460891	1	Connector	
25	4460465	2	Terminal	
26	4460891	1	Connector	
27	4460465	2	Terminal	
28	4460884	1	Connector	
29	4460465	4	Terminal	
30	4460891	1	Connector	
31	4460465	2	Terminal	
32	1001160509	1	Connector	
33	1001160510	1	Terminal	
34	1001175267	1	Terminal Seal	
35	4460884	1	Connector	
36	4460932	1	Mating Connector	
37	4460465	4	Terminal	
38	4460466	1	Plug	
39	4460884	1	Connector	
40	4460932	1	Mating Connector	
41	4460466	2	Plug	
42	4460465	2	Terminal	
43	4460894	1	Connector	
44	4460899	1	Mating Connector	
45	4460466	3	Plug	
46	4460465	3	Terminal	
47	4461018	1	Connector	
48	4461017	1	Mating Connector	
49	4460509	2	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	4460930	1	Connector	
52	4460931	1	Mating Connector	
53	4460466	2	Plug	
54	4460465	6	Terminal	
55	4460933	1	Connector	
56	1001125677	1	Bussbar Connector	
57	4460465	10	Terminal	
58	4460466	2	Plug	
59	1001116996	1	Connector	
60	1001118392	6	Terminal	
61	1001116696	1	Plug	
62	4461054	6	Terminal Seal	
63	1001187080	1	Ring Terminal	
64	1001187079	1	Ring Terminal	
65	1001116812	1	Connector	
66	4460944	2	Terminal	
67	4460466	1	Plug	
68	4460539	1	Connector	
69	4460944	2	Terminal	
70	4460466	1	Plug	
71	1001116812	1	Connector	
72	4460944	2	Terminal	
73	4460466	1	Plug	
74	4460891	1	Connector	
75	4460465	2	Terminal	
76	4460891	1	Connector	
77	4460465	2	Terminal	
78	4460891	1	Connector	
79	4460465	2	Terminal	
80	4460891	1	Connector	
81	4460465	2	Terminal	
82	4460891	1	Connector	
83	4460465	2	Terminal	
84	4460930	1	Connector	
85	4460931	1	Mating Connector	
86	4460466	2	Plug	
87	4460465	6	Terminal	
88	1001121726	1	Connector	
89	1001121727	1	Mating Connector	
90	1001116728	4	Terminal	
91	1001116727	1	Plug	
92	4460748	1	Plug	
93	1001175265	3	Terminal Seal	
94	4460458	1	Terminal Seal	
95	4460970	1	Connector	
96	4460464	6	Terminal	
97	4460941	1	Terminal	
98	4460466	5	Plug	
99	1001165311	1	Connector	
100	91013191	2	Terminal	
101	4460539	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	4460944	3	Terminal	
103	4460539	1	Connector	
104	4460536	1	Mating Connector	
105	4460466	1	Plug	
106	4460465	3	Terminal	

FIGURE 10-63. LIGHTS - BOOM WORK LIGHTS (LED)

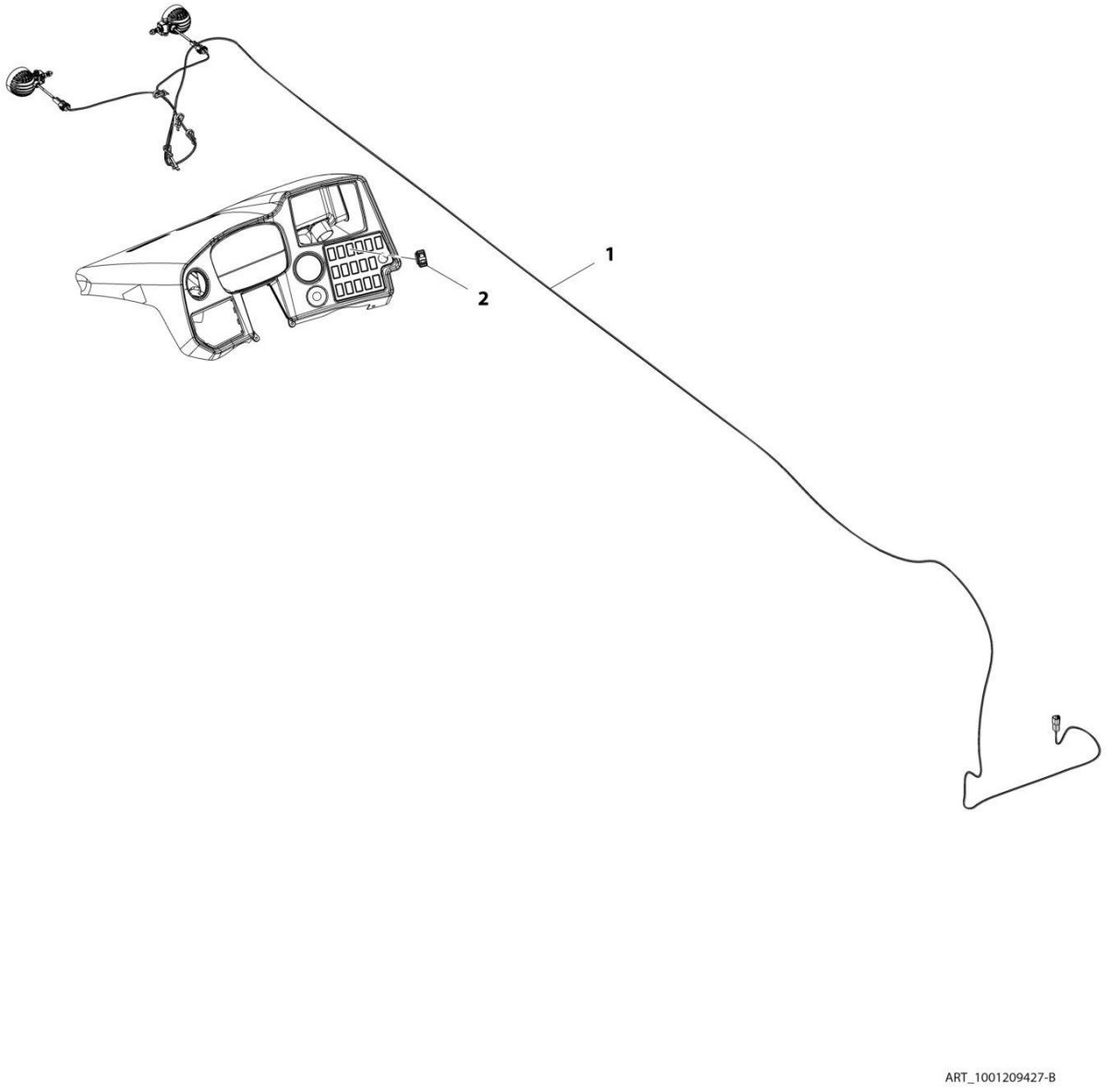


FIGURE 10-63. LIGHTS - BOOM WORK LIGHTS (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209427	Ref	Boom Work Lights (LED)	B
1	1001159739	1	Switch, Boom Worklights	
2	1001209456	1	Installation, LED Boom Work lights (See Separate Breakdown in this Section)	

FIGURE 10-64. LIGHTS - BOOM WORK LIGHT INSTALLATION (LED)

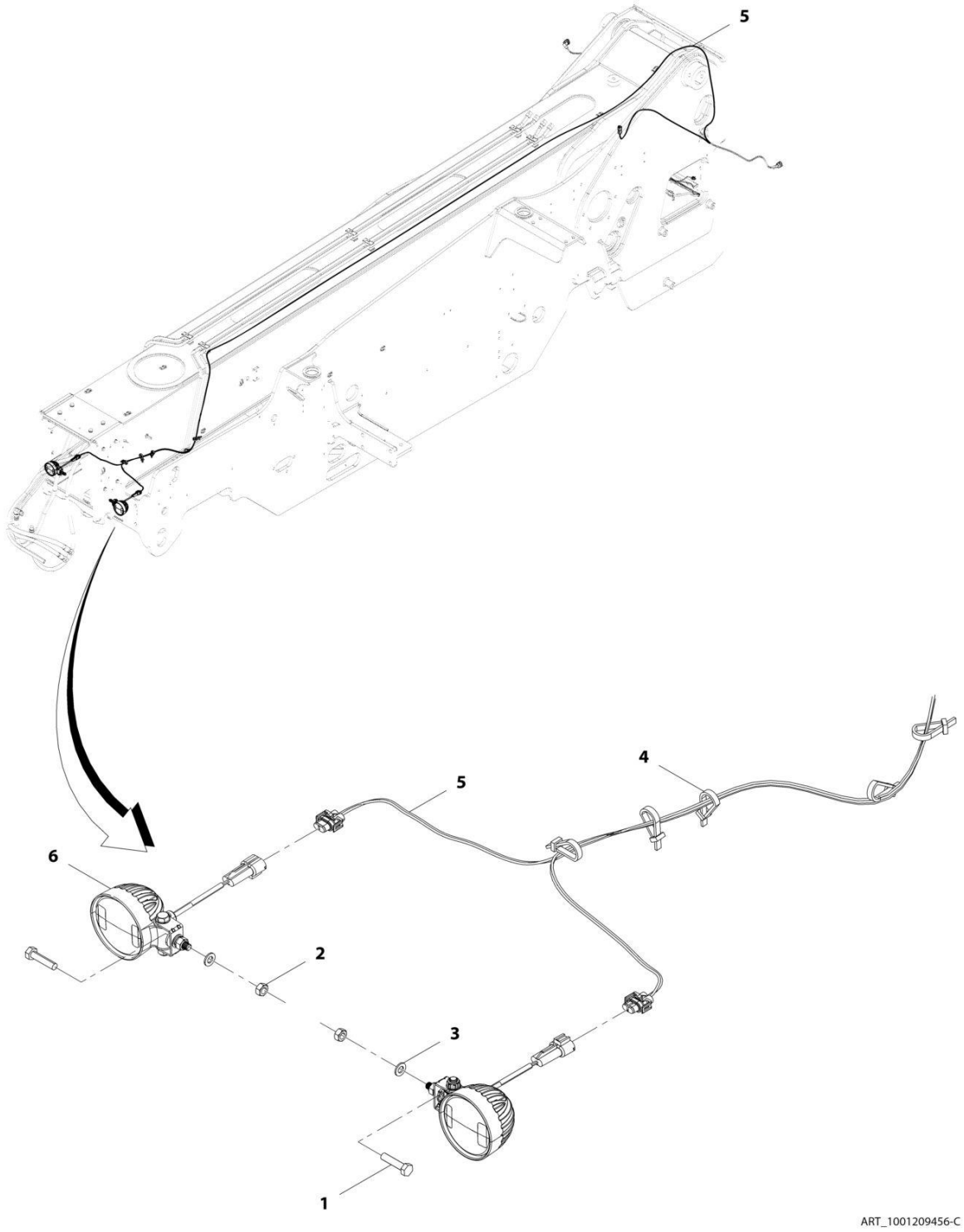


FIGURE 10-64. LIGHTS - BOOM WORK LIGHT INSTALLATION (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209456	Ref	Boom Work Light Installation (LED)	C
1	0700815	2	Bolt, M8X35	
2	3290801	2	Nut, M8X1.25	
3	4811900	2	Washer, M8	
4	1001008923	5	Strap, Cable	
5	1001184796	1	Harness, Boom Work Lights (See Separate Breakdown in this Section)	
6	1001203640	2	Lamp, LED Worklight	

FIGURE 10-65. LIGHTS - BOOM WORKLIGHTS HARNESS

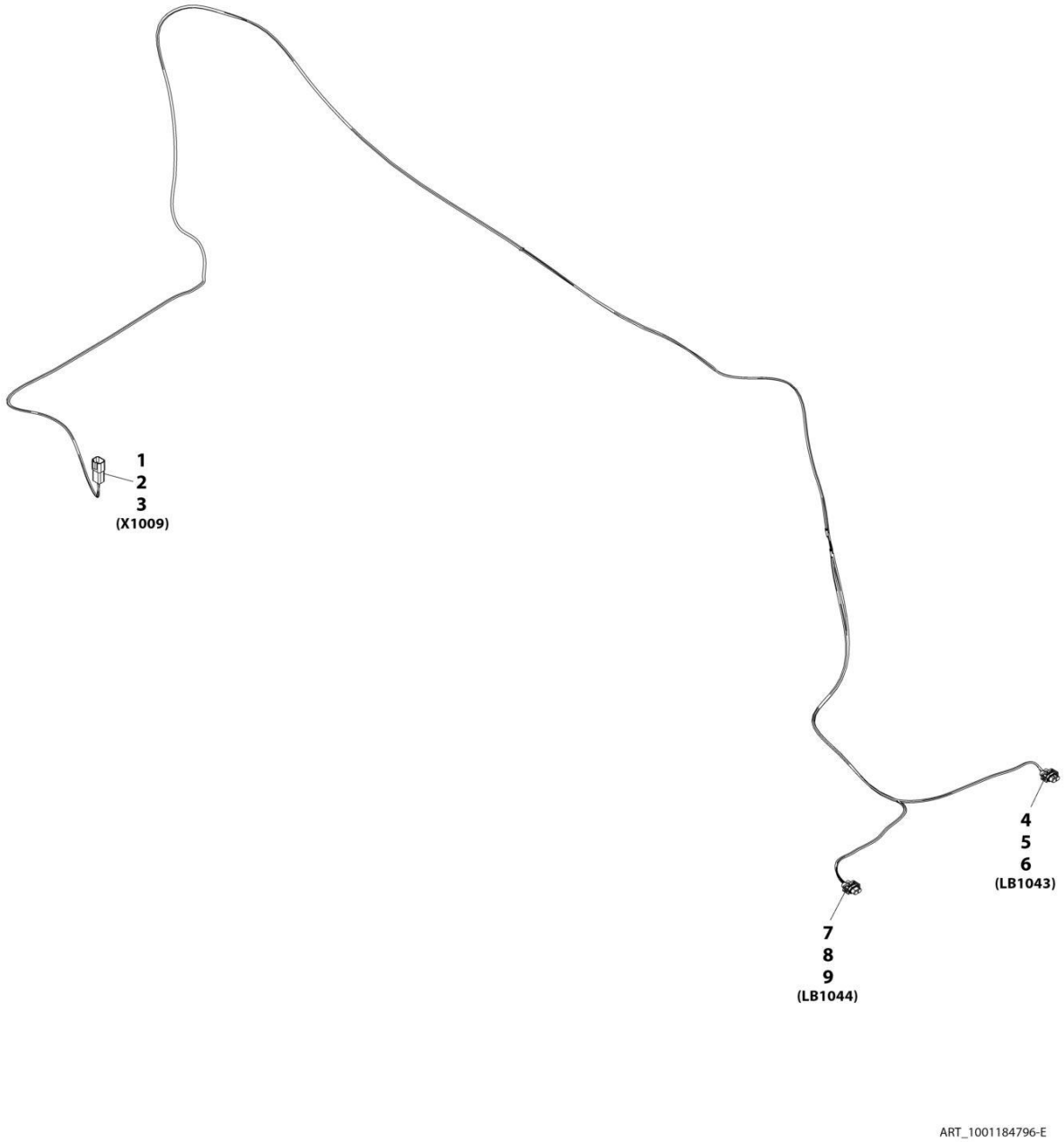
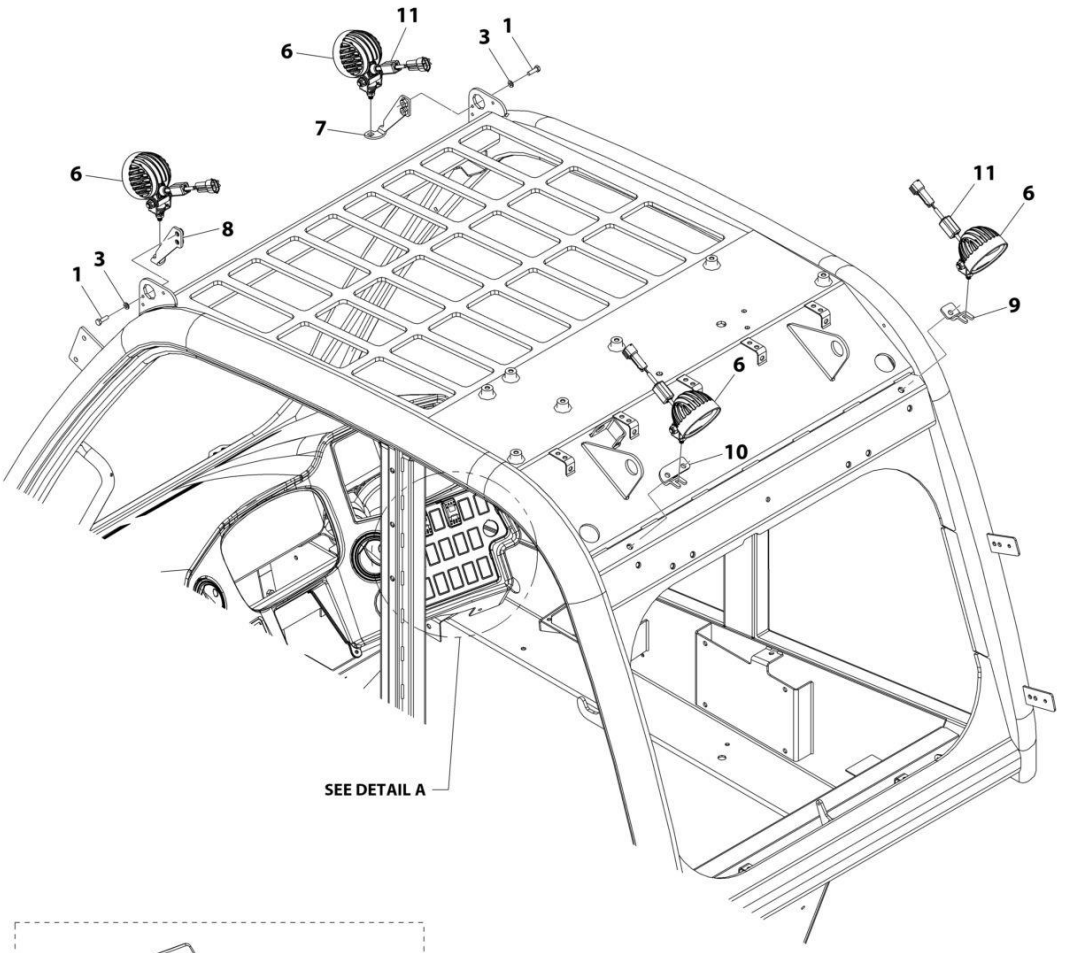
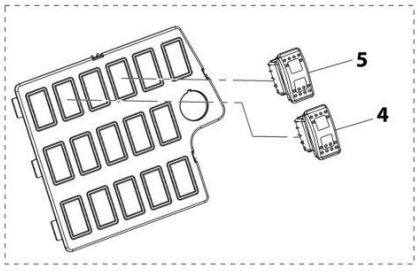


FIGURE 10-65. LIGHTS - BOOM WORKLIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184796	Ref	Boom Worklights Harness	E
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 10-66. LIGHTS - CAB WORKLIGHTS INSTALLATION (NO A/C - LED)





DETAIL A

ART_1001200538-D

FIGURE 10-66. LIGHTS - CAB WORKLIGHTS INSTALLATION (NO A/C - LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200538	Ref	Cab Worklights Installation (No A/C - LED)	D
1	0700610	4	Bolt, M6X20	
3	4811700	4	Washer, M6	
4	1001159845	1	Switch, Front Worklights	
5	1001159846	1	Switch, Rear Worklights	
6	1001203640	4	Lamp, LED Work Light	
7	1001244193	1	Support, LED Work Light RH	
8	1001244192	1	Support, LED Work Light LH	
9	1001204528	1	Support, LED Work Light RH	
10	1001204530	1	Support, LED Work Light LH	
11	1001228989	4	Harness, Ferrite	

FIGURE 10-67. LIGHTS - CAB WORKLIGHTS INSTALLATION (A/C - LED)

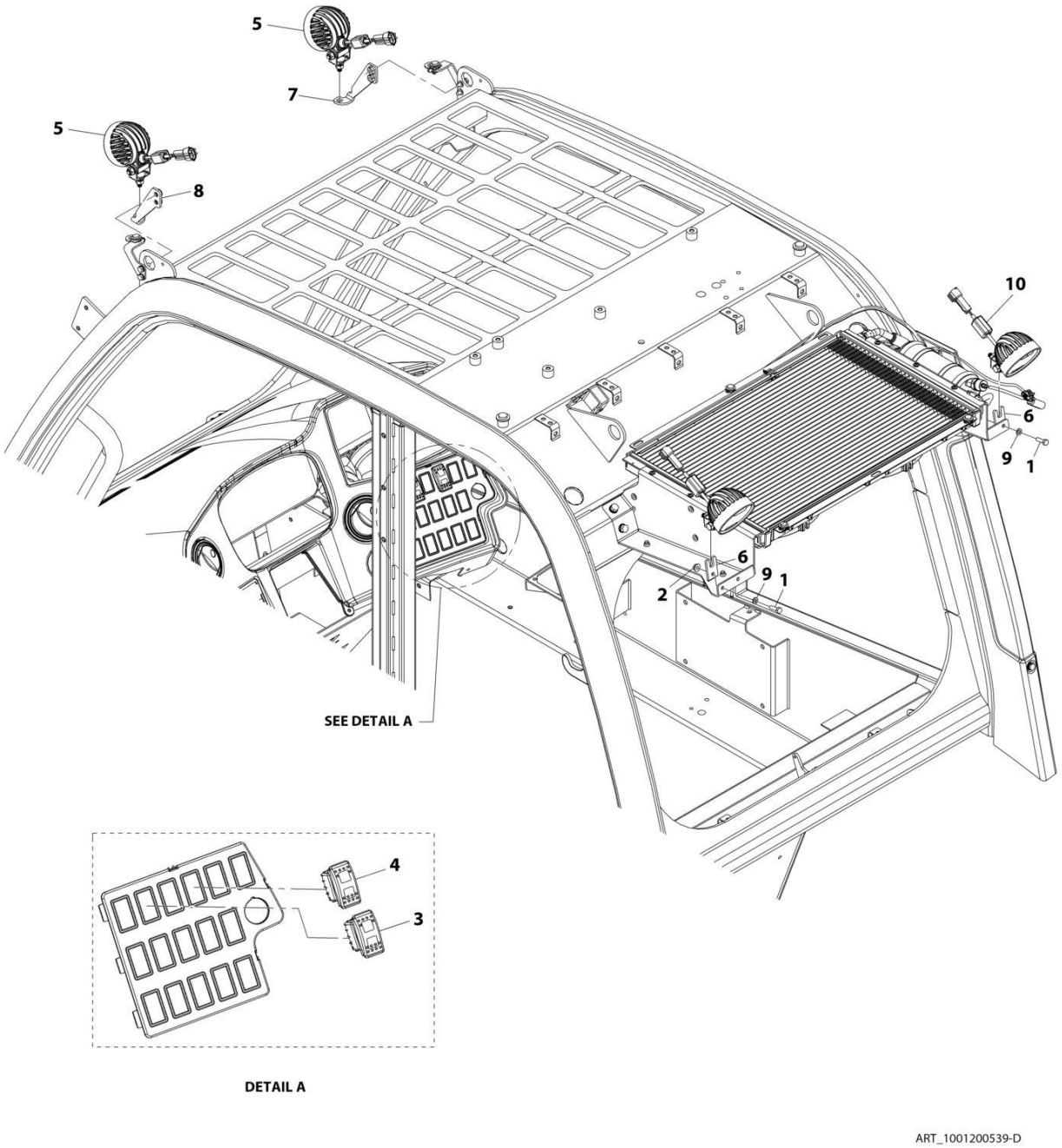


FIGURE 10-67. LIGHTS - CAB WORKLIGHTS INSTALLATION (A/C - LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200539	Ref	Cab Worklights Installation (A/C - LED)	D
1	0700610	2	Bolt, M6X20	
2	5220600	2	Nut, M6	
3	1001159845	1	Switch, Front Worklights	
4	1001159846	1	Switch, Rear Worklights	
5	1001203640	4	Lamp, LED Work Light	
6	1001204060	2	Bracket	
7	1001244193	1	Support, LED Work Light RH	
8	1001244192	1	Support, LED Work Light LH	
9	4811700	2	Washer, M6	
10	1001228989	4	Harness, Ferrite	

FIGURE 10-68. LIGHTS - DRIVING LIGHT INSTALLATION (LH DIP)

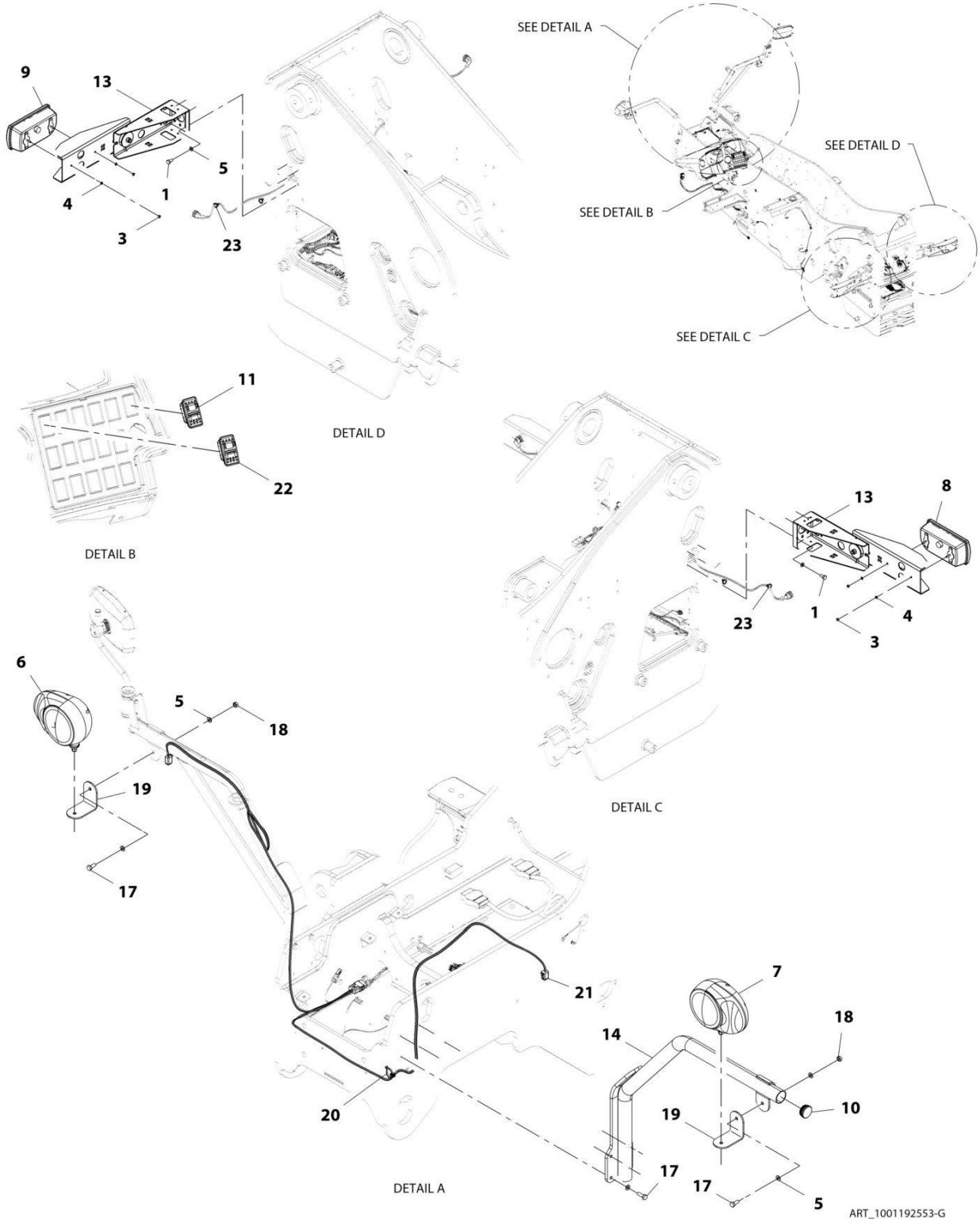


FIGURE 10-68. LIGHTS - DRIVING LIGHT INSTALLATION (LH DIP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192553	Ref	Driving Light Installation (LH Dip)	G
1	0761010	8	Bolt, M10X20	
3	3290607	4	Nut, Lock M6X1	
4	4811700	4	Washer, M6	
5	4812000	16	Washer, M10	
6	1001002778	1	Light, Driving (RH) (LH Dip)	
	7029969	1	Bulb, 4W	
	7029970	1	Bulb, 55W	
	7029971	1	Bulb, 21W	
7	1001002779	1	Light, Driving (LH) (LH Dip)	
	7029969	1	Bulb, 4W	
	7029970	1	Bulb, 55W	
	7029971	1	Bulb, 21W	
8	1001091715	1	Light, Rear (LH)	
	70021341	1	Bulb, 5W	
	70021340	1	Bulb, 21W	
	7029971	1	Bulb, 21W	
9	1001091716	1	Light, Rear (RH)	
	70021341	1	Bulb, 5W	
	70021340	1	Bulb, 21W	
	7029971	1	Bulb, 21W	
10	1001209697	1	Cap	
11	1001159734	1	Switch, Hazard	
13	1001183112	2	Assembly, Rear Light Bracket (See Seperate Breakdown in this Section)	
14	1001206100	1	Bracket	
17	0701014	6	Bolt, M10X30	
18	3291001	2	Nut, M10X1.5	
19	1001203368	2	Bracket	
20	1001146588	1	Strap, Cable Tie	
21	1001215693	1	Harness, Headlights (See Seperate Breakdown in this Section)	
22	1001159737	1	Switch, Fog Lights	
23	1001008559	4	Strap, Cable Tie	

FIGURE 10-69. LIGHTS - DRIVING LIGHT INSTALLATION (RH DIP)

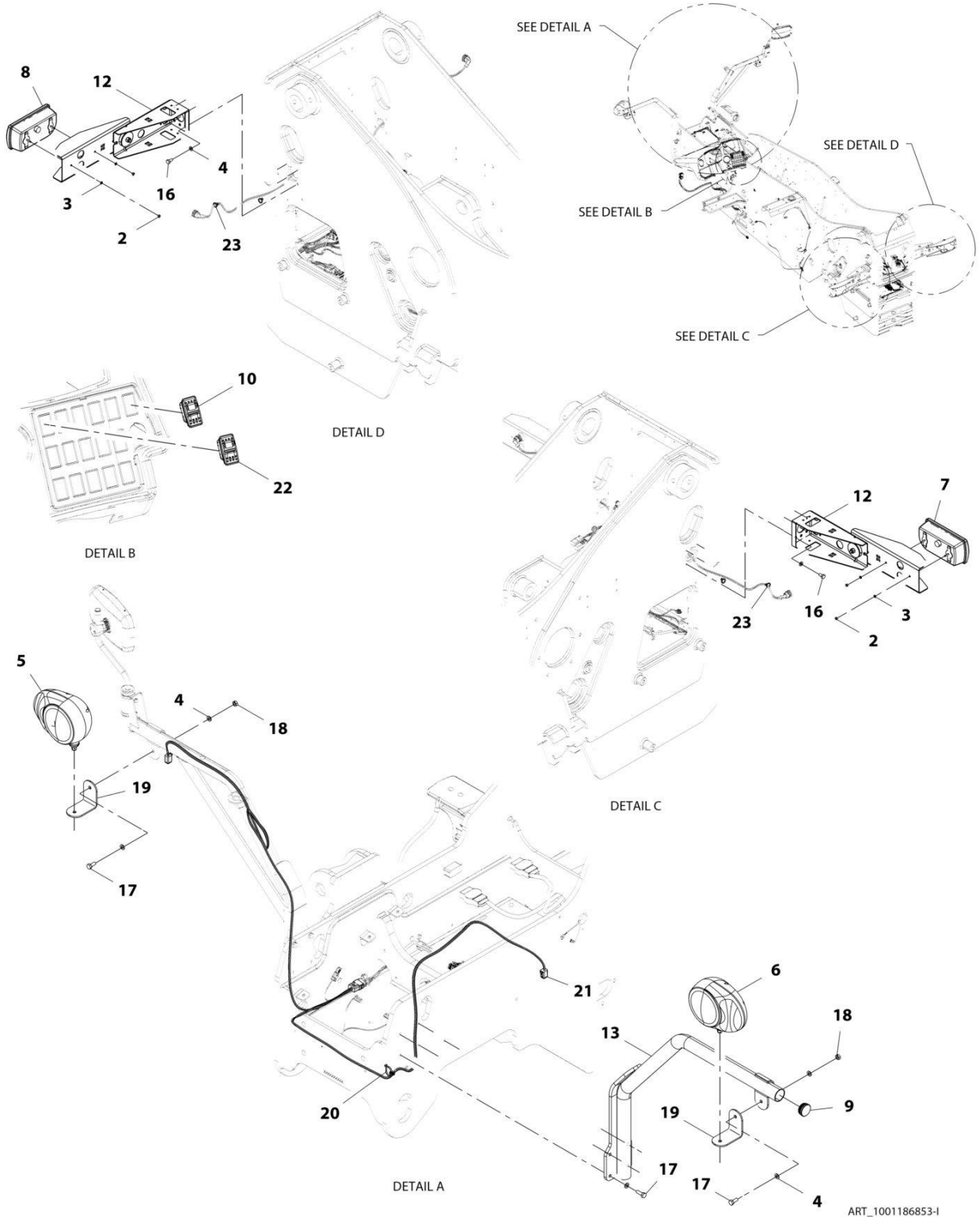


FIGURE 10-69. LIGHTS - DRIVING LIGHT INSTALLATION (RH DIP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186853	Ref	Driving Light Installation (RH Dip)	I
2	3290607	4	Nut, Lock M6X1	
3	4811700	4	Washer, M6	
4	4812000	16	Washer, M10	
5	2920208	1	Light, Driving (RH) (RH Dip)	
	7029969	1	Bulb, 4W	
	7029970	1	Bulb, 55W	
	7029971	1	Bulb, 21W	
6	2920207	1	Light, Driving (LH) (RH Dip)	
	7029969	1	Bulb, 4W	
	7029970	1	Bulb, 55W	
	7029971	1	Bulb, 21W	
7	1001091715	1	Light, Rear (LH)	
	70021341	1	Bulb, 5W	
	70021340	1	Bulb, 21W	
	7029971	1	Bulb, 21W	
8	1001091716	1	Light, Rear (RH)	
	70021341	1	Bulb, 5W	
	70021340	1	Bulb, 21W	
	7029971	1	Bulb, 21W	
9	1001209697	1	Cap	
10	1001159734	1	Switch, Hazard	
12	1001183112	2	Assembly, Rear Light Bracket (See Separate Breakdown in this Section)	
13	1001206100	1	Bracket	
16	0761010	8	Bolt, M10X20	
17	0701014	6	Bolt, M10X30	
18	3291001	2	Nut, M10X1.5	
19	1001203368	2	Bracket	
20	1001146588	1	Strap, Tie	
21	1001215693	1	Harness, Headlight (See Separate Breakdown in this Section)	
22	1001159737	1	Switch, Fog Lights	
23	1001008559	4	Strap, Cable	

FIGURE 10-70. LIGHTS - DRIVING LIGHT BRACKET ASSEMBLY

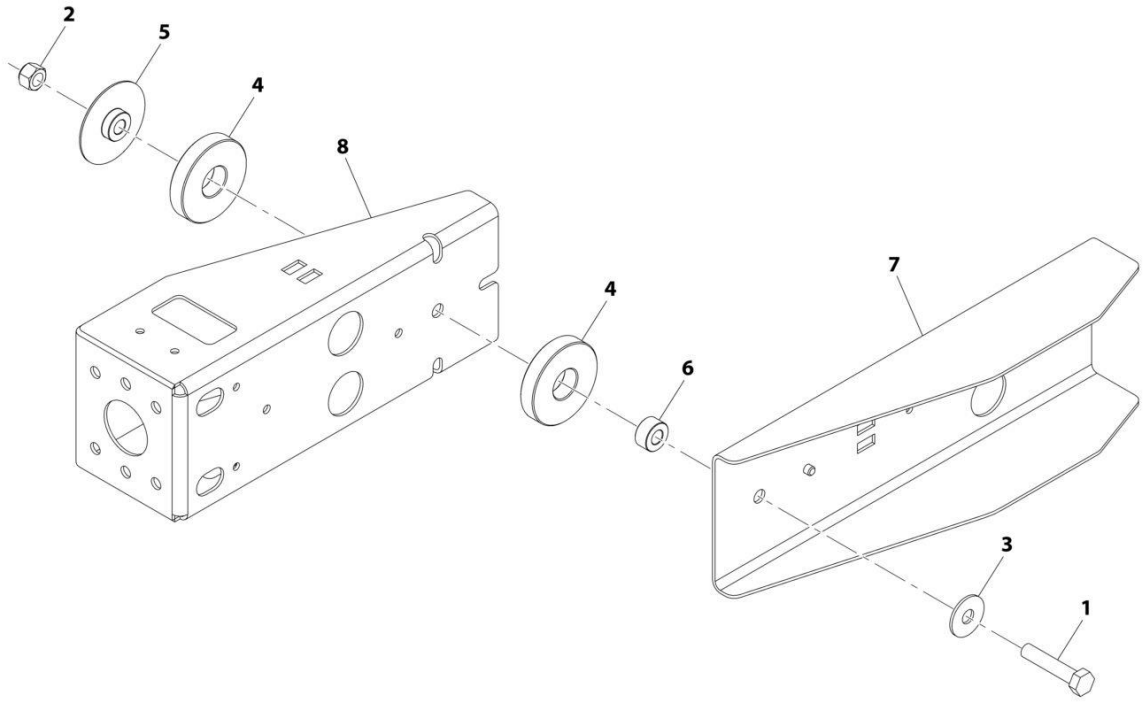


FIGURE 10-70. LIGHTS - DRIVING LIGHT BRACKET ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183112	Ref	Rear Light Bracket Assembly	C
1	0701220	1	Bolt, M12X60	
2	3291205	1	Nut, Lock M12X1.75	
3	4812102	1	Washer, M12	
4	8000565	2	Washer, Rubber	
5	1001182490	1	Washer, Top Hat	
6	1001182495	1	Washer	
7	1001196217	1	Bracket	
8	1001196100	1	Bracket	

FIGURE 10-71. LIGHTS - DRIVING HEADLIGHT HARNESS

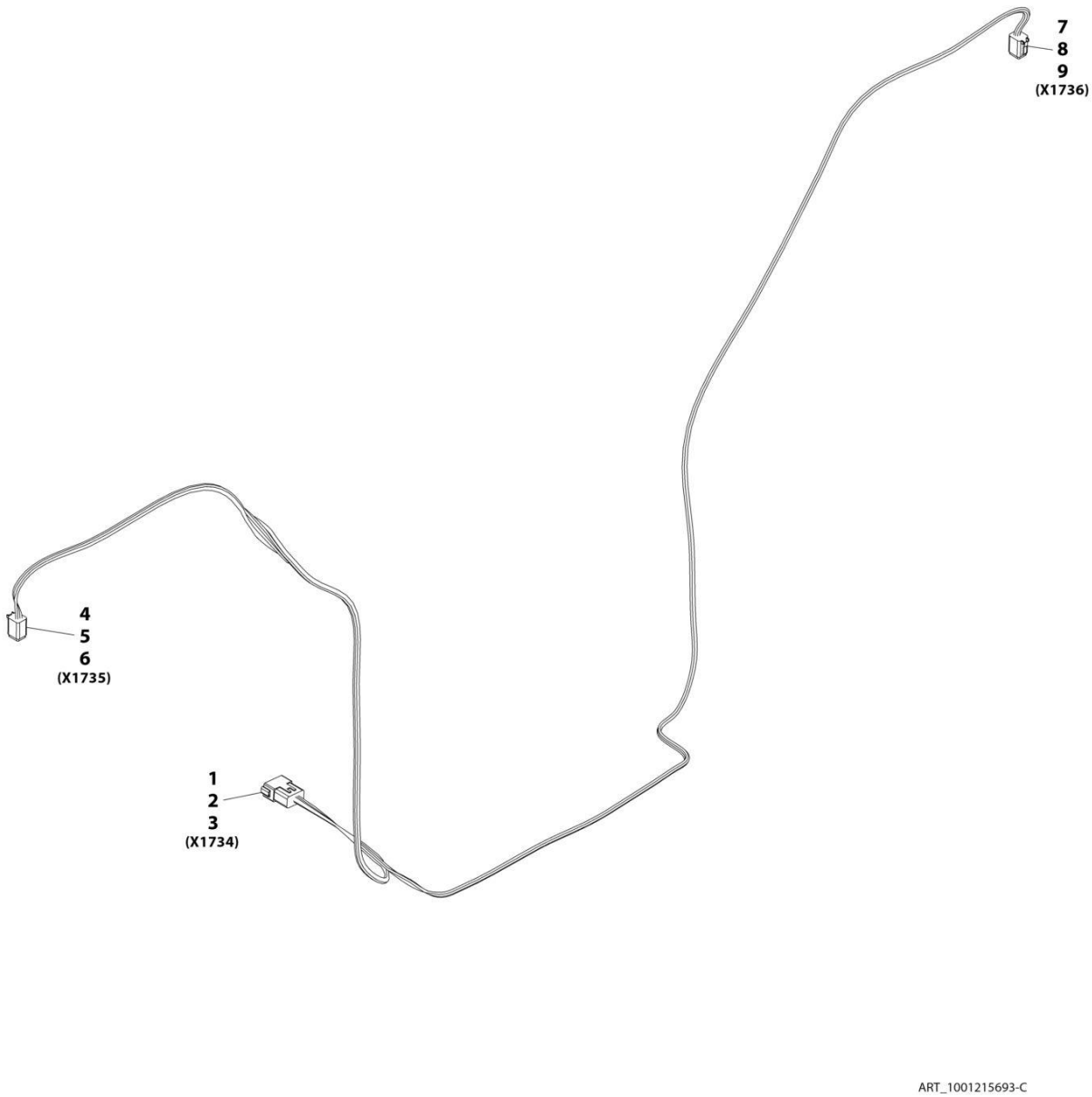


FIGURE 10-71. LIGHTS - DRIVING HEADLIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215693	Ref	Headlight Harness	C
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 - DRIVING LIGHT INSTALLATION (LED) (LH DIP)

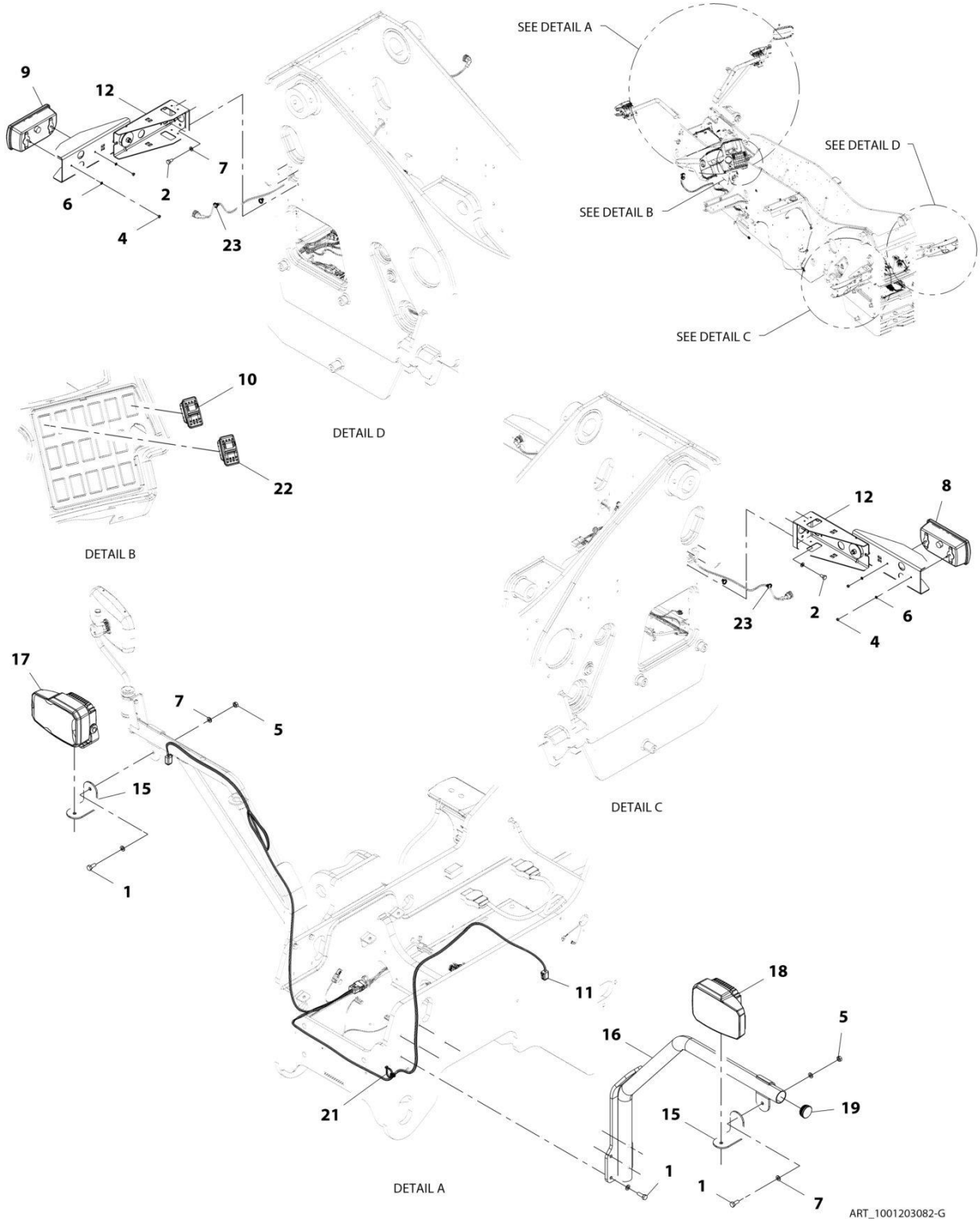


FIGURE 10-72. LIGHTS - DRIVING LIGHT INSTALLATION (LED) (LH DIP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203082	Ref	Driving Light Installation (LED) (LH Dip)	G
1	0701014	6	Bolt, M10X30	
2	0761010	8	Bolt, M10X20	
4	3290607	4	Nut, Lock M6X1	
5	3291001	2	Nut, M10X1.5	
6	4811700	4	Washer, M6	
7	4812000	16	Washer, M10	
8	1001091715	1	Lamp, Rear (LH)	
	70021341	1	Bulb, 5W	
	70021340	1	Bulb, 21W	
	7029971	1	Bulb, 21W	
9	1001091716	1	Lamp, Rear (RH)	
	70021341	1	Bulb, 5W	
	70021340	1	Bulb, 21W	
	7029971	1	Bulb, 21W	
10	1001159734	1	Switch, Hazard	
11	1001215693	1	Harness, Headlights (See Separate Breakdown in this Section)	
12	1001183112	2	Assembly, Rear Light Bracket (See Separate Breakdown in this Section)	
15	1001203368	2	Bracket	
16	1001206100	1	Bracket	
17	1001209692	1	Light, Driving, (RH - LED) (LH Dip)	
18	1001209693	1	Light, Driving, (LH - LED) (LH Dip)	
19	1001209697	1	Cap	
21	1001146588	1	Strap, Cable Tie	
22	1001159737	1	Switch, Fog Lights	
23	1001008559	4	Strap, Cable	

FIGURE 10-73. LIGHTS - DRIVING LIGHT INSTALLATION (LED) (RH DIP)

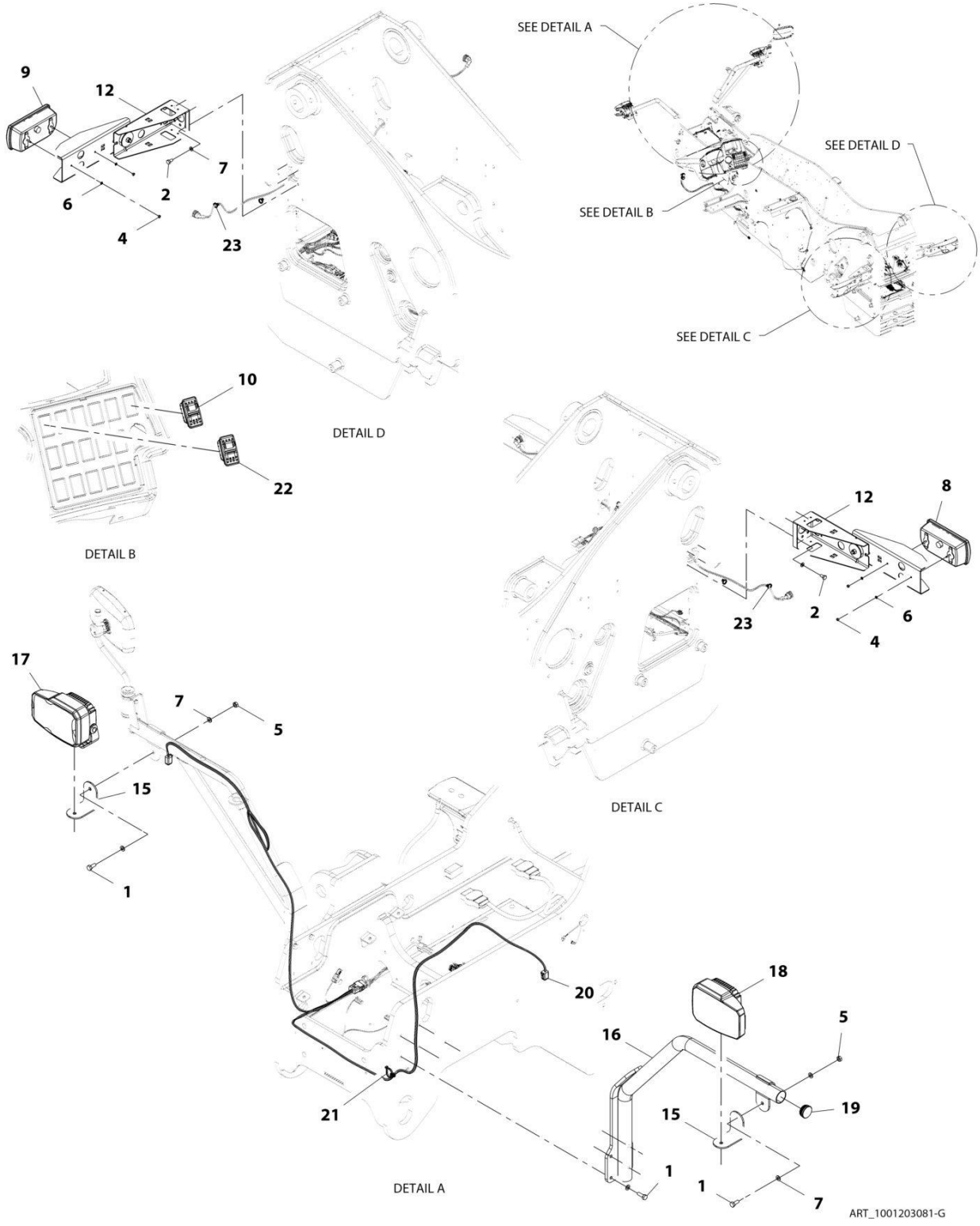


FIGURE 10-73. LIGHTS - DRIVING LIGHT INSTALLATION (LED) (RH DIP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203081	Ref	Driving Light Installation (LED) (RH Dip)	G
1	0701014	6	Bolt, M10X30	
2	0761010	8	Bolt, M10X20	
4	3290607	4	Bolt, M6X1	
5	3291001	2	Nut, M10X1.5	
6	4811700	4	Washer, M6	
7	4812000	16	Washer, M10	
8	1001091715	1	Light, Rear (LH)	
	70021341	1	Bulb, 5W	
	70021340	1	Bulb, 21W	
	7029971	1	Bulb, 21W	
9	1001091716	1	Light, Rear (RH)	
	70021341	1	REPLACEMENT BULB, 12V-5W	
	70021340	1	Bulb, 21W	
	7029971	1	Bulb, 21W	
10	1001159734	1	Switch, Hazard	
12	1001183112	2	Assembly, Rear Light Bracket (See Separate Breakdown in this Section)	
15	1001203368	2	Bracket	
16	1001206100	1	Bracket	
17	1001209690	1	Light, Driving (RH - LED) (RH Dip)	
18	1001209691	1	Light, Driving (LH - LED) (LH Dip)	
19	1001209697	1	Cap	
20	1001215693	1	Harness, Headlights (See Separate Breakdown in this Section)	
21	1001146588	1	Strap, Cable Tie	
22	1001159737	1	Switch, Fog Lights	
23	1001008559	4	Strap, Cable Tie	

FIGURE 10-74. LIGHTS - LICENSE PLATE LIGHT INSTALLATION

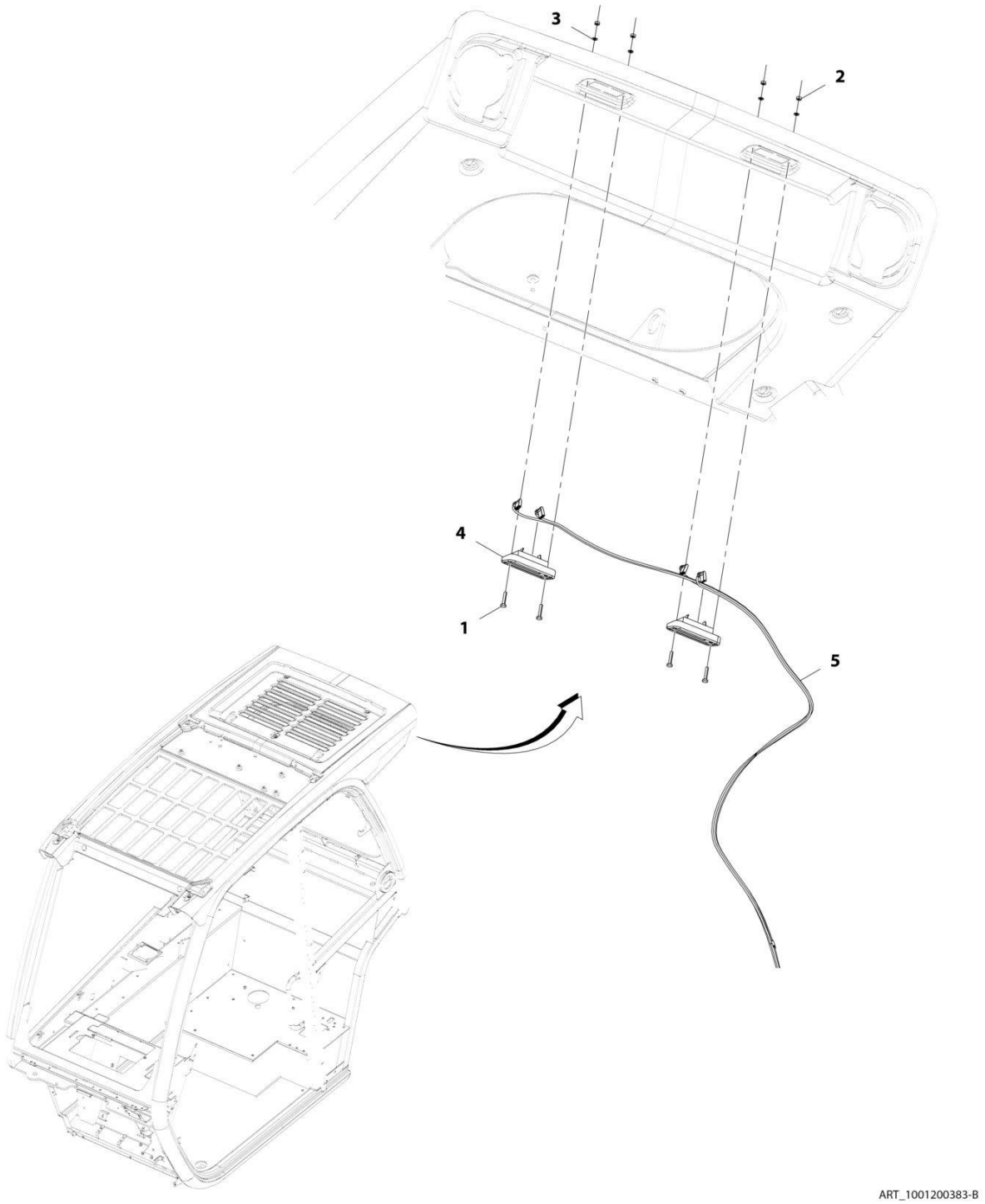


FIGURE 10-74. LIGHTS - LICENSE PLATE LIGHT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200383	Ref	License Plate Lamp Installation	B
1	0760410	4	Bolt, M4X20	
2	3290401	4	Nut, M4X0.7 Grade 8	
3	4831400	4	Washer, Lock M4	
4	1001173829	2	Lamp, License Plate	
5	1001178053	1	Harness, License Light (See Separate Breakdown in Electrical Section)	

FIGURE 10-75. LMIS CONTROL PACKAGE INSTALLATION

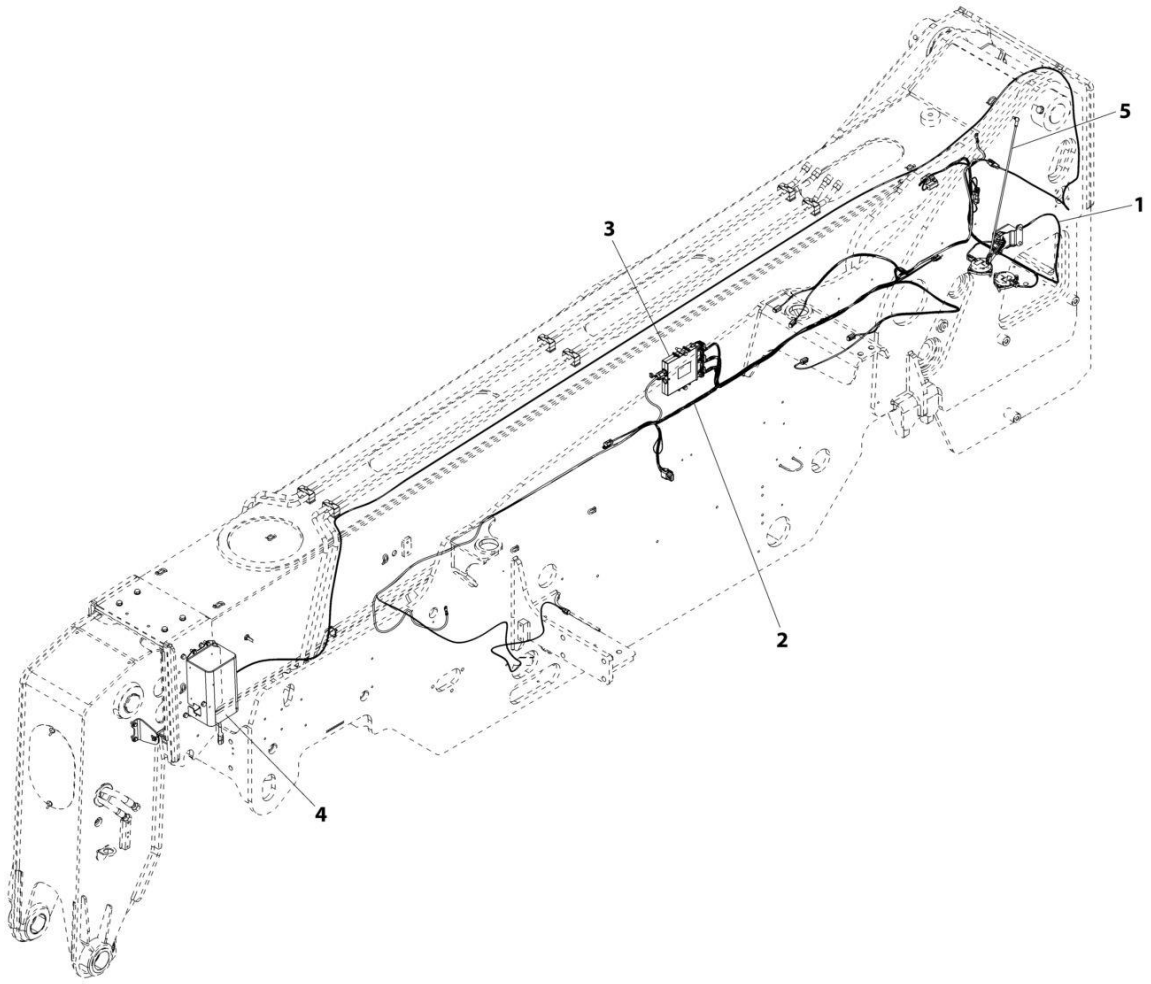


FIGURE 10-75. LMIS CONTROL PACKAGE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192431	Ref	LMIS Control Package Installation	E
1	1001195200	1	Installation, Tilt Sensor (See Separate Breakdown in this Section)	
2	1001195201	1	Installation, LMIS Wiring (See Separate Breakdown in this Section)	
3	1001195471	1	Installation, LMIS Controller (See Separate Breakdown in this Section)	
4	1001195473	1	Installation, LMIS Cable Reel (See Separate Breakdown in this Section)	
5	1001195590	1	Installation, Boom Angle Sensor (LMIS) (See Separate Breakdown in this Section)	

FIGURE 10-76. LMIS TILT SENSOR INSTALLATION

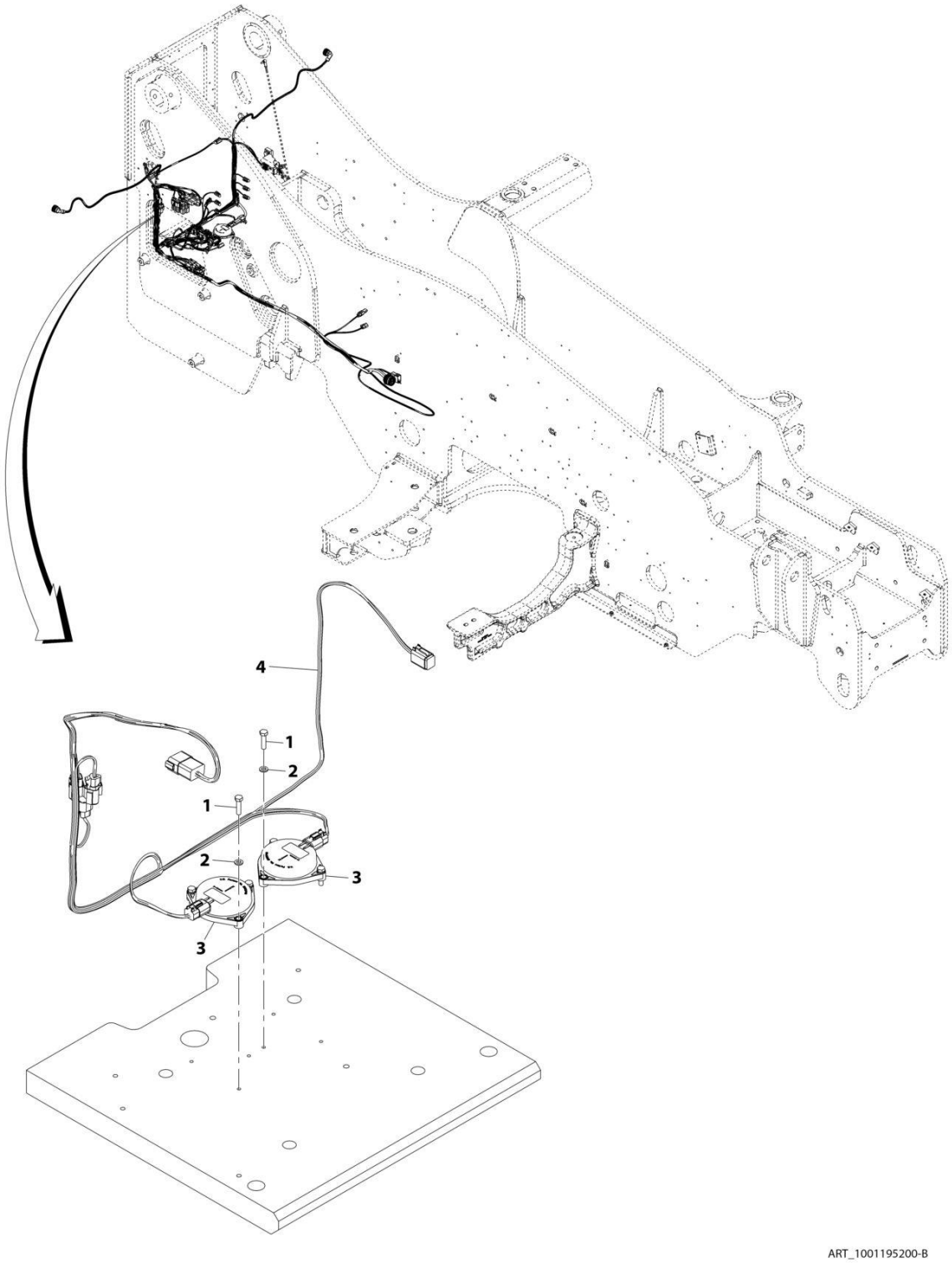


FIGURE 10-76. LMIS TILT SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195200	Ref	Tilt Sensor Installation	B
1	0700612	6	Bolt, M6X25	
2	4811700	6	Washer, M6	
3	1001163095	2	Sensor, Tilt	
4	1001195202	1	Harness, Platform Ready (See Separate Breakdown in this Section)	

FIGURE 10-77. LMIS - PLATFORM READY HARNESS

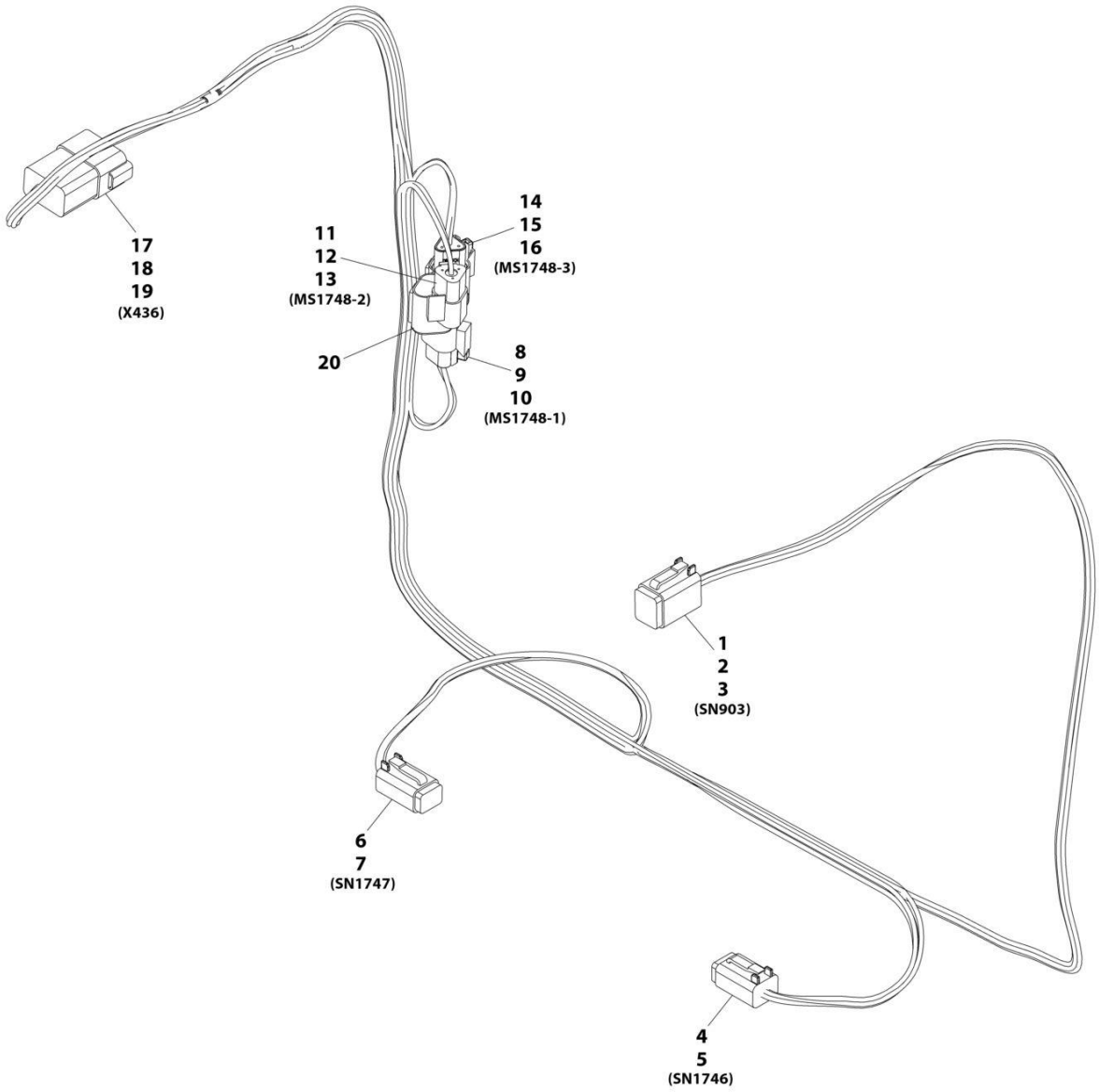


FIGURE 10-77. LMIS - PLATFORM READY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195202	Ref	Platform Ready Harness	A
1	4460894	1	Connector	
2	4460465	4	Terminal	
3	4460466	2	Plug	
4	4460884	1	Connector	
5	4460944	4	Terminal	
6	4460884	1	Connector	
7	4460944	4	Terminal	
8	1001116812	1	Connector	
9	4460944	2	Terminal	
10	4460466	1	Plug	
11	4460539	1	Connector	
12	4460944	2	Terminal	
13	4460466	1	Plug	
14	1001116812	1	Connector	
15	4460944	2	Terminal	
16	4460466	1	Plug	
17	4460931	1	Connector	
18	4460464	6	Terminal	
19	4460466	2	Plug	
20	4460945	1	Connector, 3 Way	

FIGURE 10-78. LMIS WIRING INSTALLATION

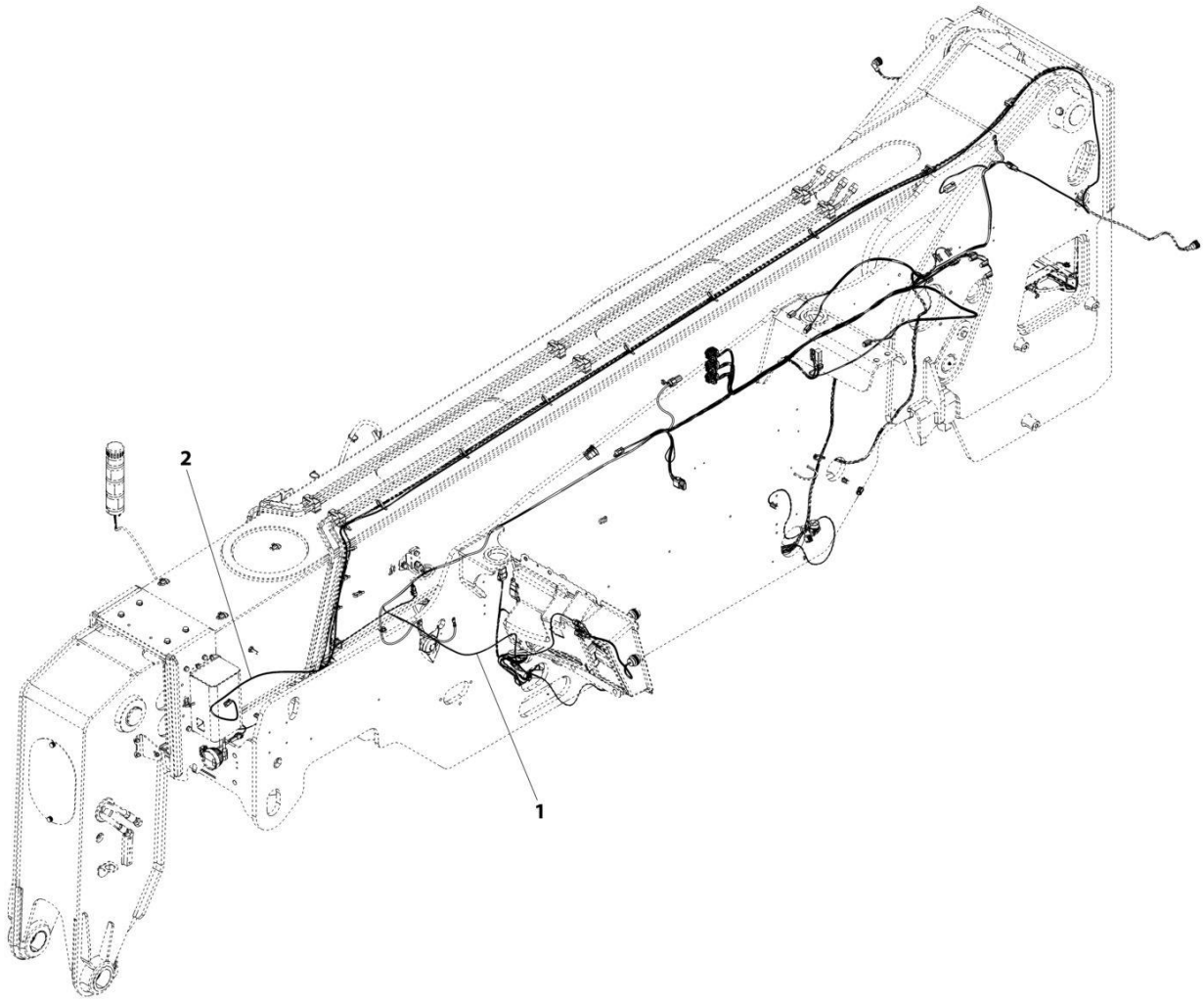


FIGURE 10-78. LMIS WIRING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195201	Ref	LMIS Wiring Installation	F
1	1001184795	1	Harness, Chassis Option (See Separate Breakdown in this Section)	
2	1001192619	1	Harness, LMIS Boom (See Separate Breakdown in this Section)	

FIGURE 10-79. LMIS CHASSIS OPTION HARNESS

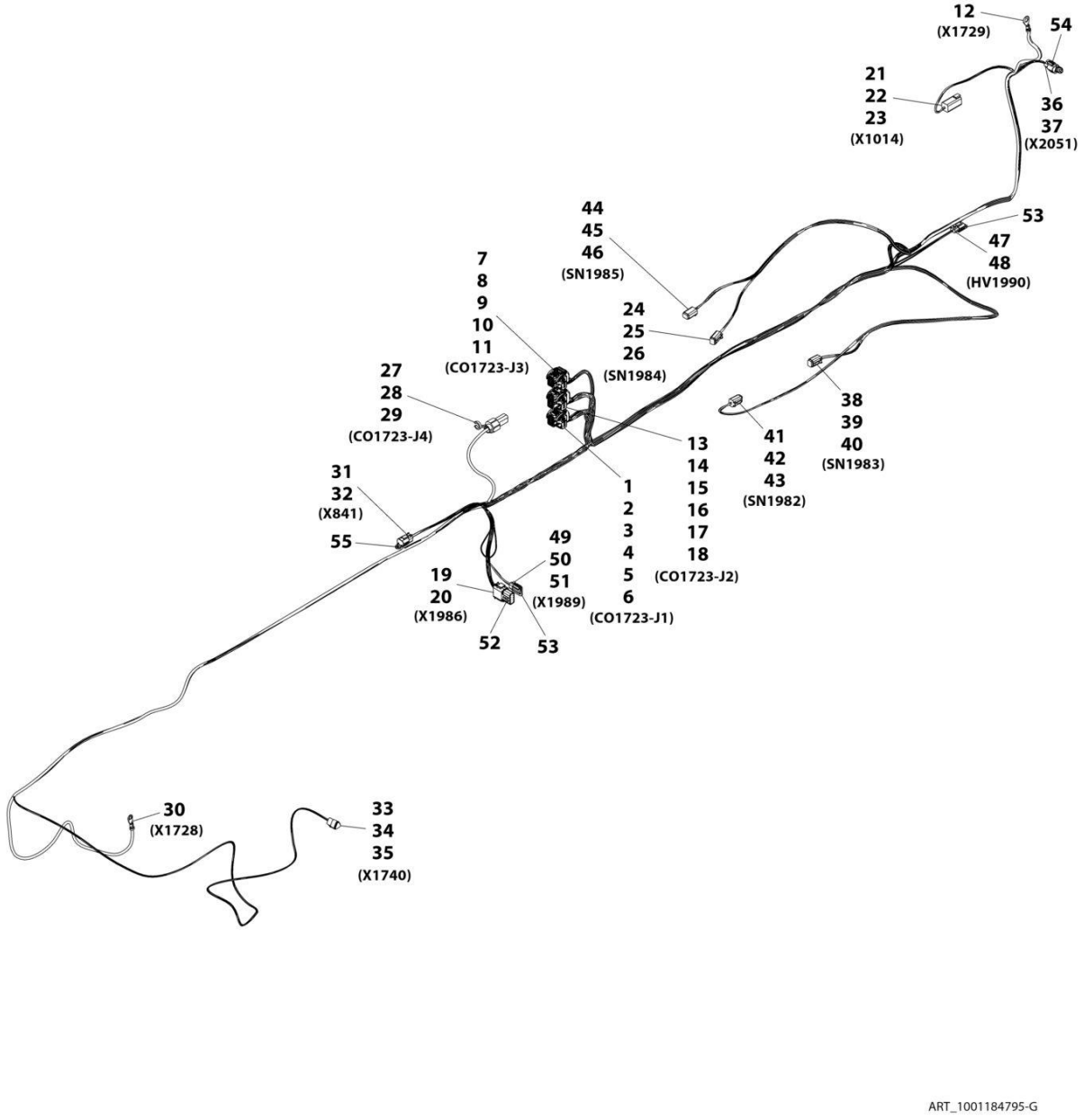


FIGURE 10-79. LMIS CHASSIS OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184795	Ref	LMIS Chassis Option Harness	G
1	1001161957	1	Connector	
2	1001161097	17	Terminal	
3	1001161100	7	Plug	
4	1001161101	2	Plug	
5	1001161098	2	Terminal	
6	1001161099	4	Terminal	
7	1001160500	1	Connector	
8	1001161100	16	Plug	
9	1001161097	8	Terminal	
10	1001161101	7	Plug	
11	1001161098	1	Terminal	
12	1001187076	1	Ring Terminal	
13	1001161963	1	Connector	
14	1001161097	24	Terminal	
15	1001161100	16	Plug	
16	1001161095	1	Terminal	
17	1001161099	3	Terminal	
18	1001161101	4	Plug	
19	1001116774	1	Connector	
20	4460928	12	Terminal	
21	4460899	1	Connector	
22	4460464	3	Terminal	
23	4460466	3	Plug	
24	4460884	1	Connector	
25	4460942	1	Terminal	
26	4460465	3	Terminal	
27	1001160509	1	Connector	
28	1001160510	1	Terminal	
29	1001175266	1	Terminal Seal	
30	1001187075	1	Ring Terminal	
31	4460884	1	Connector	
32	4460465	4	Terminal	
33	1001116812	1	Connector	
34	4460944	2	Terminal	
35	4460466	1	Plug	
36	4460539	1	Connector	
37	4460465	3	Terminal	
38	4460884	1	Connector	
39	4460942	1	Terminal	
40	4460465	3	Terminal	
41	4460884	1	Connector	
42	4460942	1	Terminal	
43	4460465	3	Terminal	
44	4460884	1	Connector	
45	4460942	1	Terminal	
46	4460465	3	Terminal	
47	4460891	1	Connector	
48	4460465	2	Terminal	
49	4460891	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460465	1	Terminal	
51	4460942	1	Terminal	

FIGURE 10-80. LMIS BOOM HARNESS

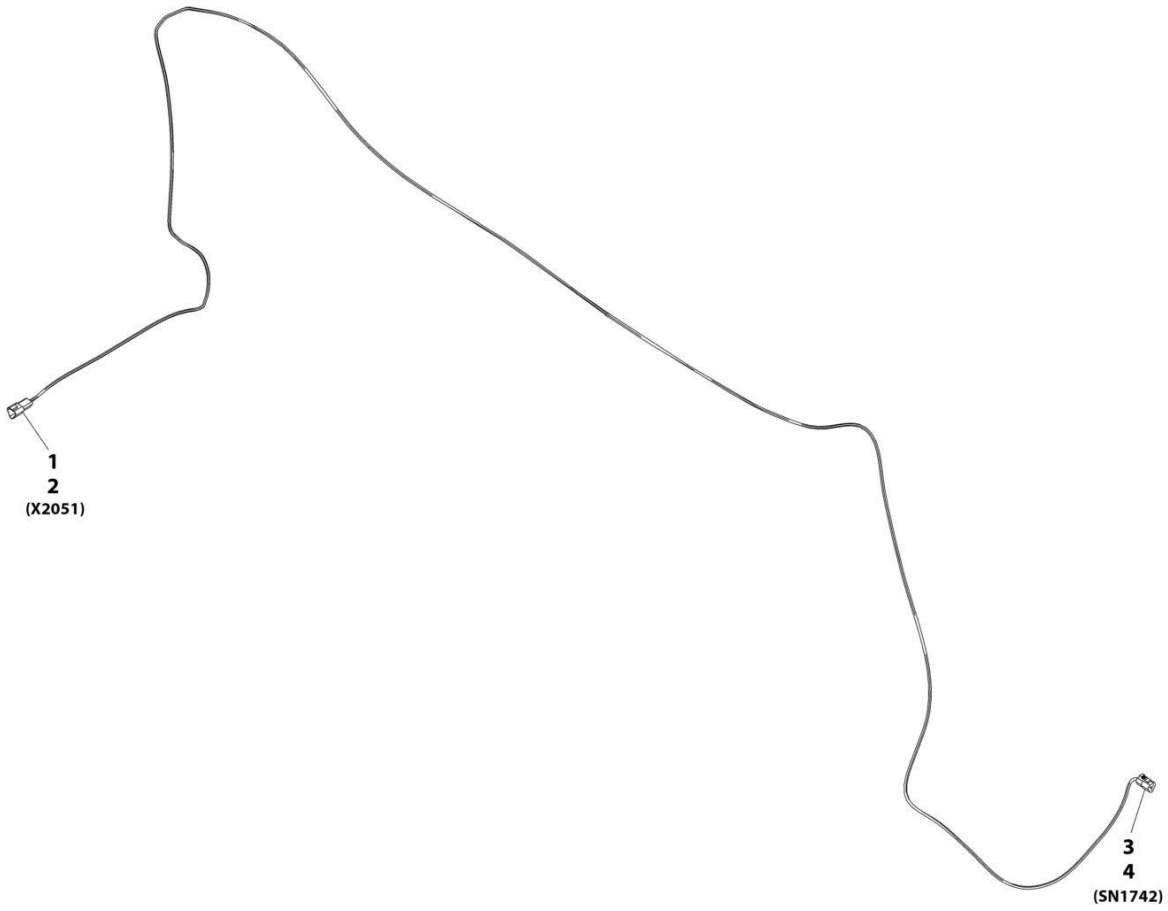


FIGURE 10-80. LMIS BOOM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192619	Ref	LMIS Boom Harness	D
1	4460536	1	Connector	
2	4460464	3	Terminal	
3	4460539	1	Connector	
4	4460465	3	Terminal	

FIGURE 10-81. LMIS CONTROLLER INSTALLATION

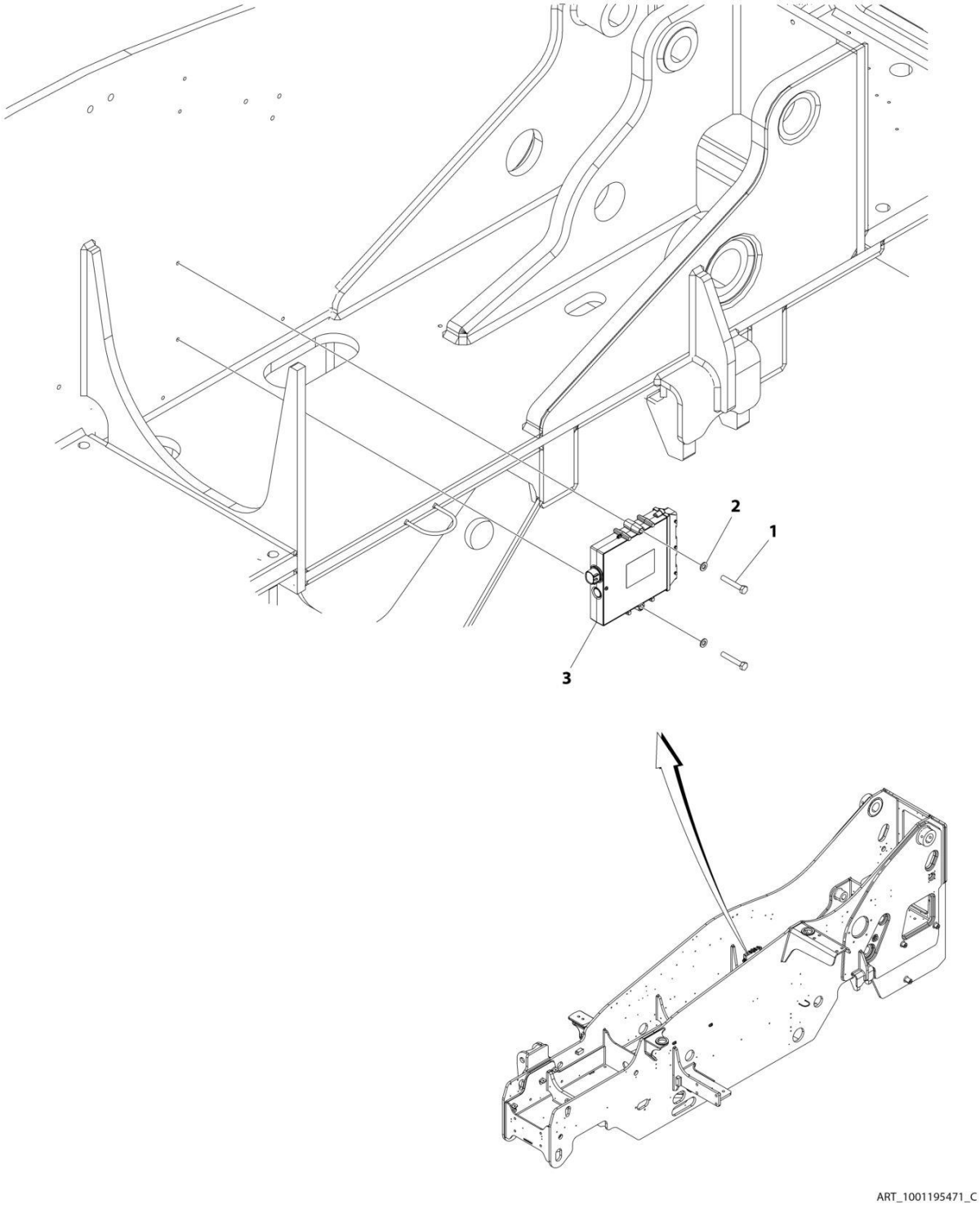


FIGURE 10-81. LMIS CONTROLLER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195471	Ref	LMIS CONTROLLER INSTALLATION	C
1	0700818	2	Bolt M8 x 50	
2	4811900	2	Washer M8	
3	1001270485	1	Module, LMIS Control	

FIGURE 10-82. LMIS CABLE REEL INSTALLATION

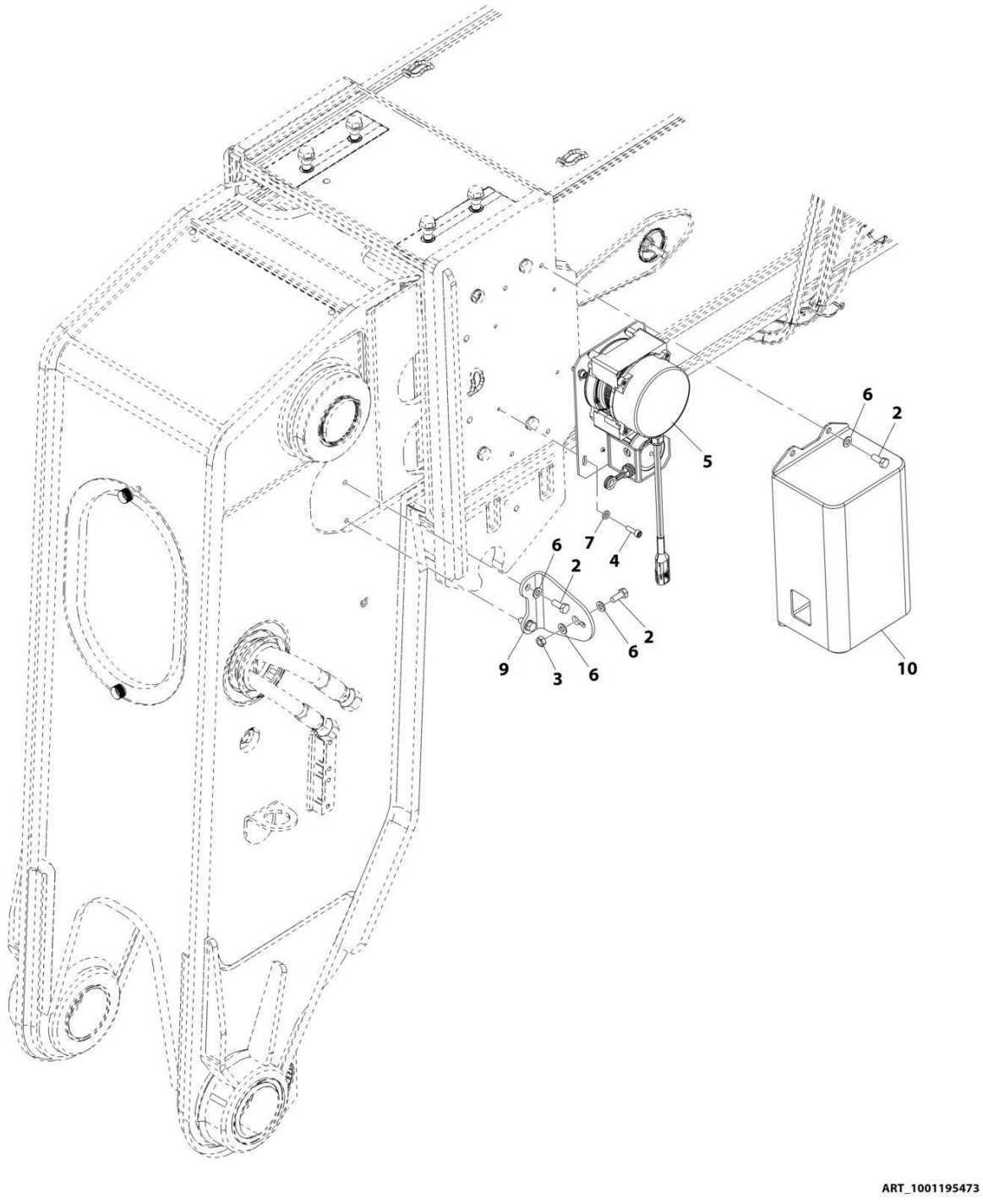


FIGURE 10-82. LMIS CABLE REEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195473	Ref	LMIS Cable Reel Installation	E
2	0760810	7	Bolt, M8X20	
3	3290801	1	Nut, M8X1.25	
4	4031708	4	Screw, M6X20	
5	1001223903	1	Sensor, Boom Length	
6	4811900	8	Washer, M8	
7	5240600	4	Washer, M6	
9	1001224127	1	Bracket	
10	1001224128	1	Panel	

FIGURE 10-83. LMIS INSTALLATION (HIGH END DISPLAY)

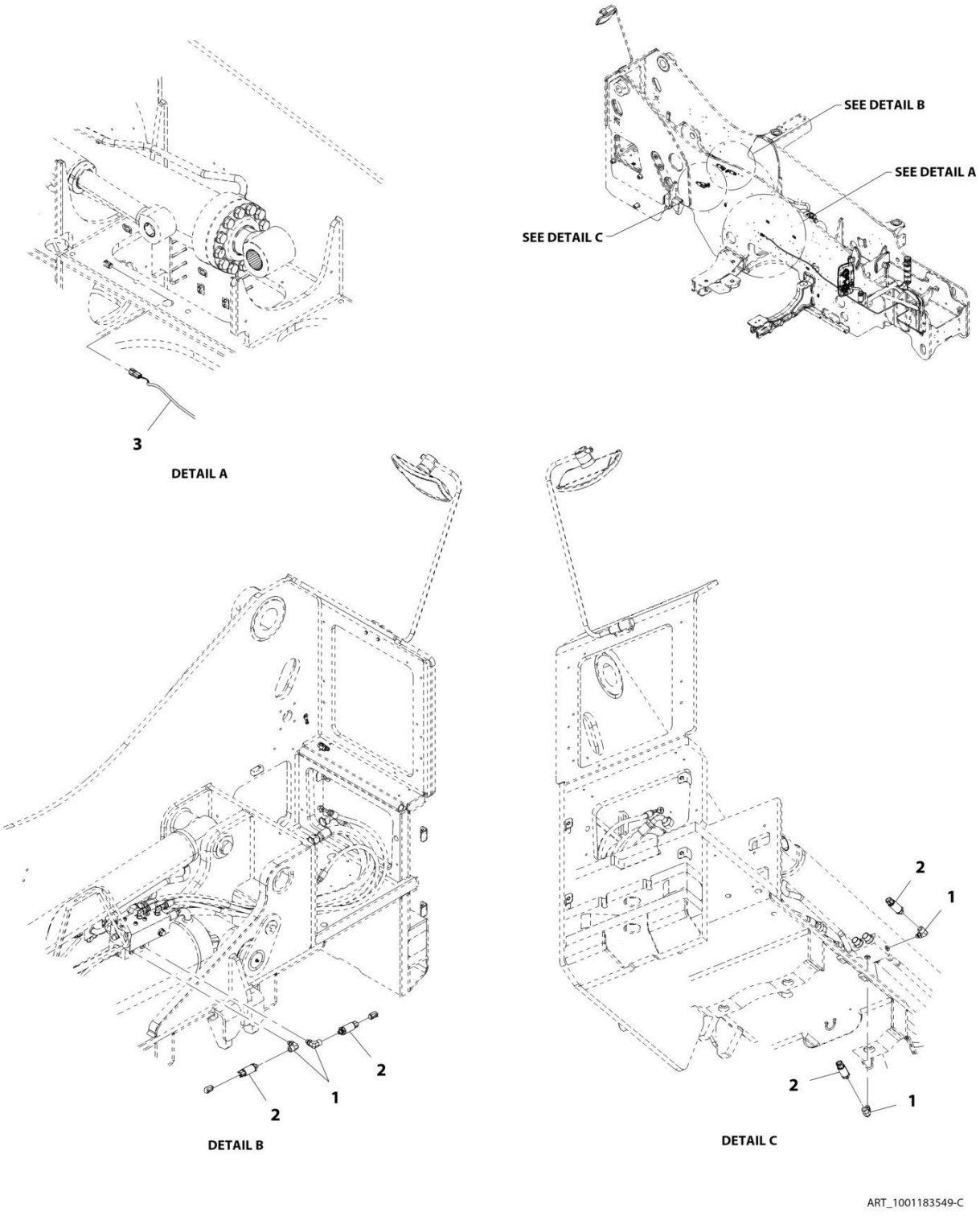


FIGURE 10-83. LMIS INSTALLATION (HIGH END DISPLAY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183549	Ref	LMIS Installation (High End Display)	C
1	1001101855	4	Fitting, 90	
2	1001162885	4	Sensor, LMIS	
3	1001195591	1	Installation, LMIS Beacon Light (See Separate Breakdown in this Section)	

FIGURE 10-84. LMIS BOOM ANGLE SENSOR INSTALLATION

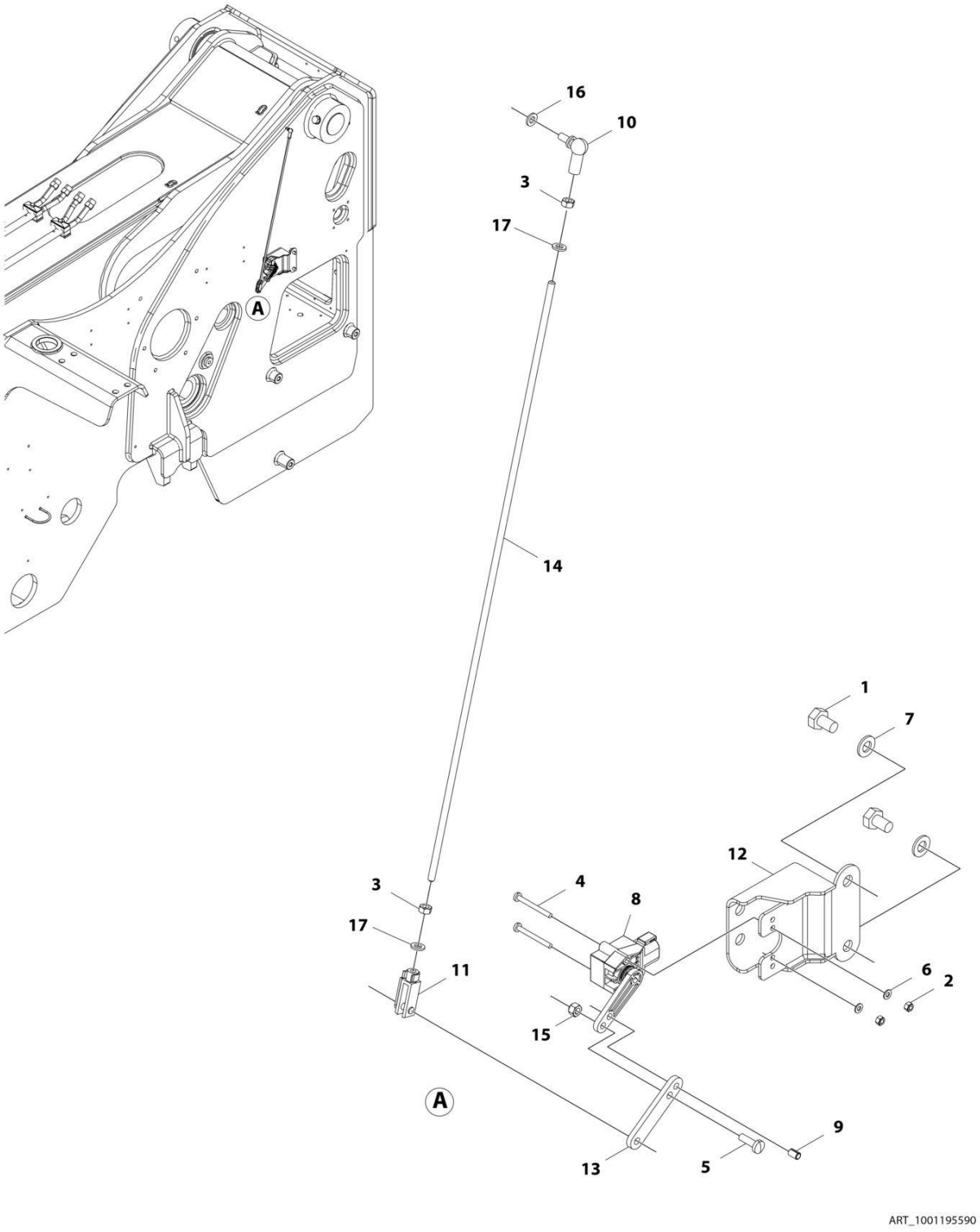


FIGURE 10-84. LMIS BOOM ANGLE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195590	Ref	BOOM ANGLE SENSOR INSTALLATION (LMIS)	E
1	0761008	2	Bolt M10 x 16	
2	3290405	2	Nut M4	
3	3290601	2	Nut M6 x 1	
4	4010416	2	Screw M4 x 40	
5	4010610	1	Screw M6 x 20	
6	4811400	2	Washer M4	
7	4812000	2	Washer M10	
8	1001099717	1	Sensor, Boom Angle	
9	1001103156	1	Pin	
10	1001103300	1	Fitting, Ball Joint	
11	1001134274	1	Clevis	
12	1001213775	1	Bracket	
13	1001195731	1	Link, Boom Angle Sensor	
14	1001195732	1	Rod	
15	3290605	1	Nut M6 x 1	
16	4811700	1	Washer M6	
17	4761400	2	Washer 1/4	

FIGURE 10-85. LMIS BEACON LIGHT INSTALLATION

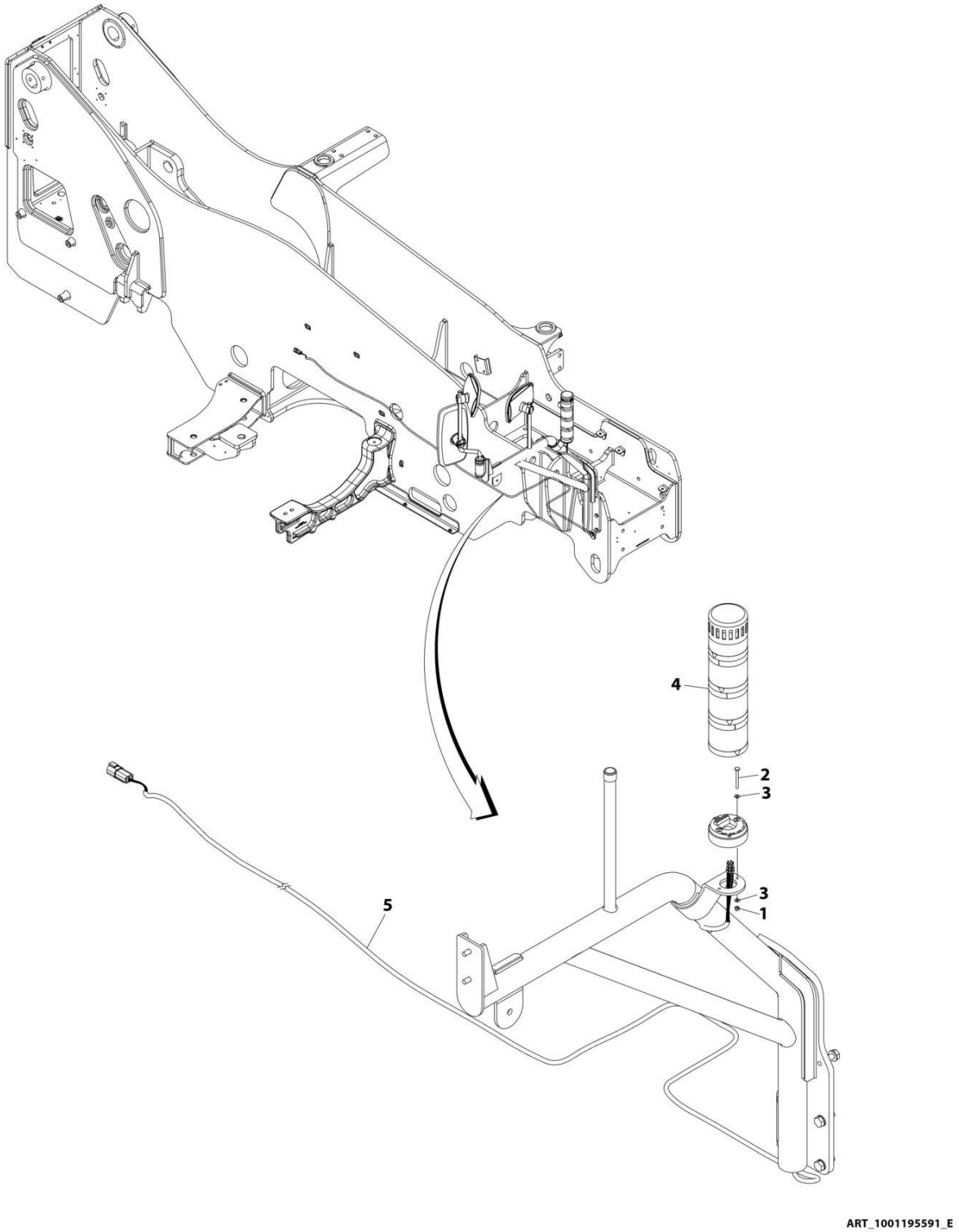


FIGURE 10-85. LMIS BEACON LIGHT INSTALLATION

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 10-86. LMIS BEACON OPTION HARNESS

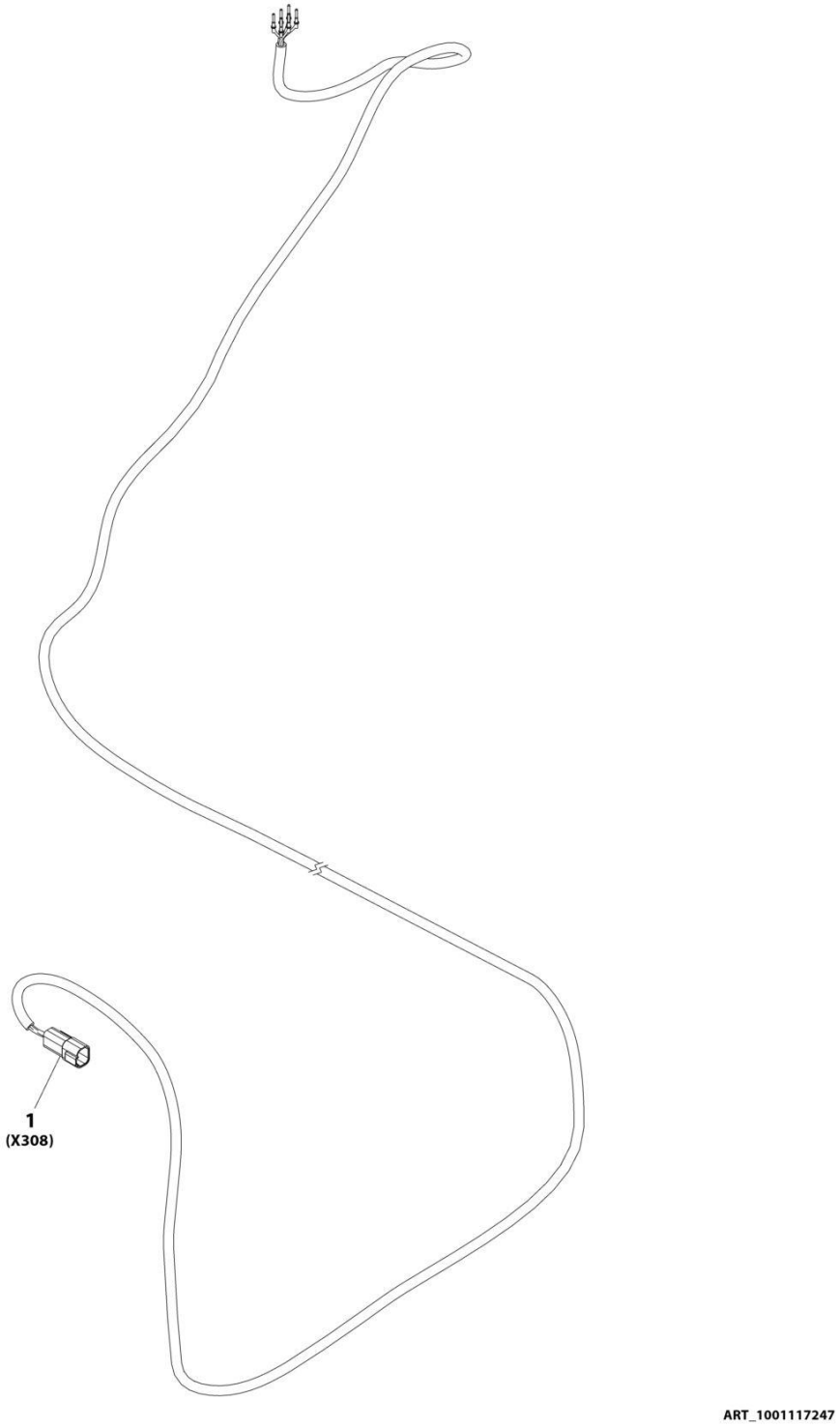


FIGURE 10-86. LMIS BEACON OPTION HARNESS

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

FIGURE 10-87. LSI INSTALLATION

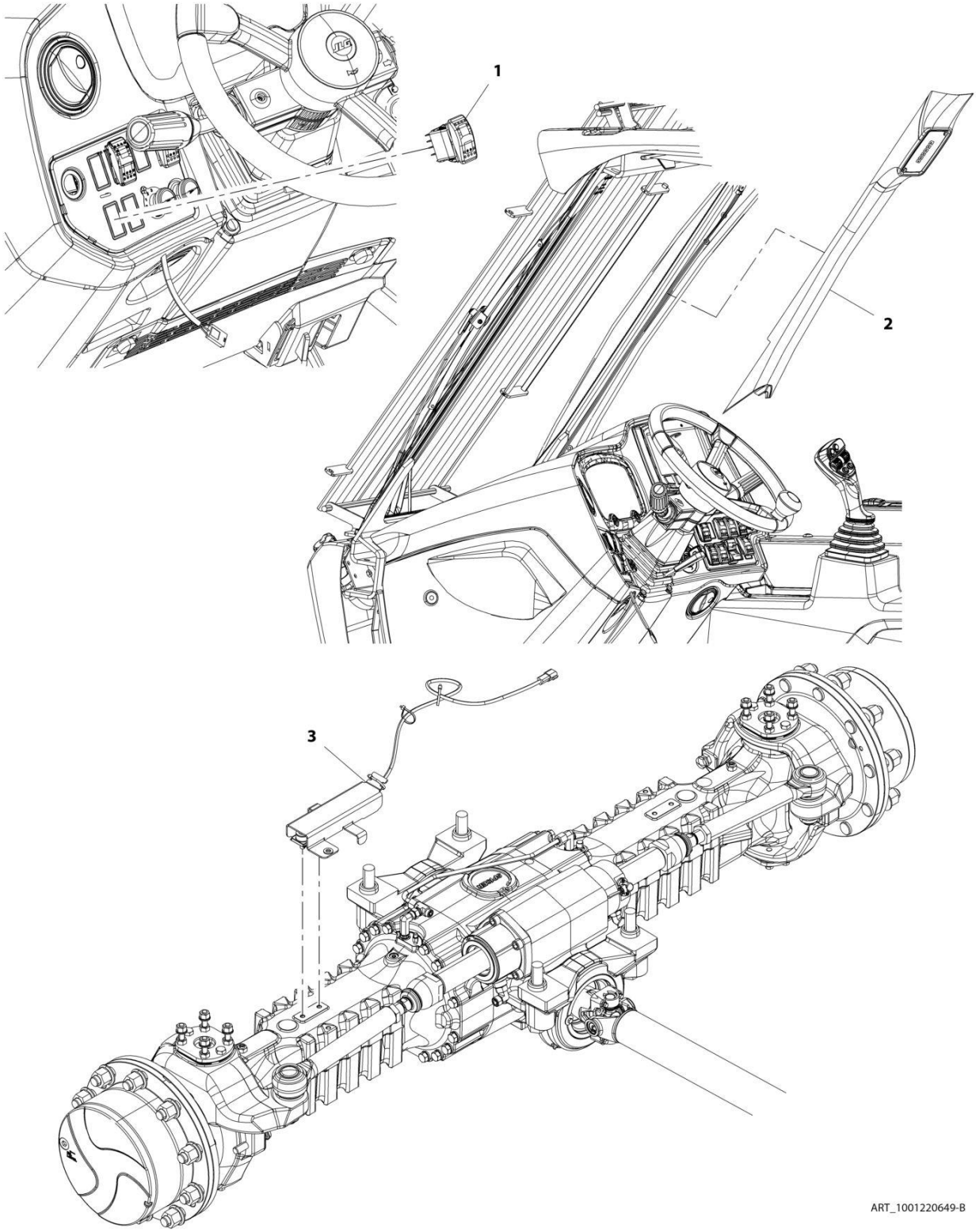


FIGURE 10-87. LSI INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220649	Ref	LSI Installation	B
1	1001159742	1	Switch, LSI Override	
2	1001207594	Ref	Installation, LSI Display (See Separate Breakdown in this Section)	
3	1001220650	Ref	Installation, LSI Sensor (See Separate breakdown in this Section)	

FIGURE 10-88. LSI DISPLAY INSTALLATION

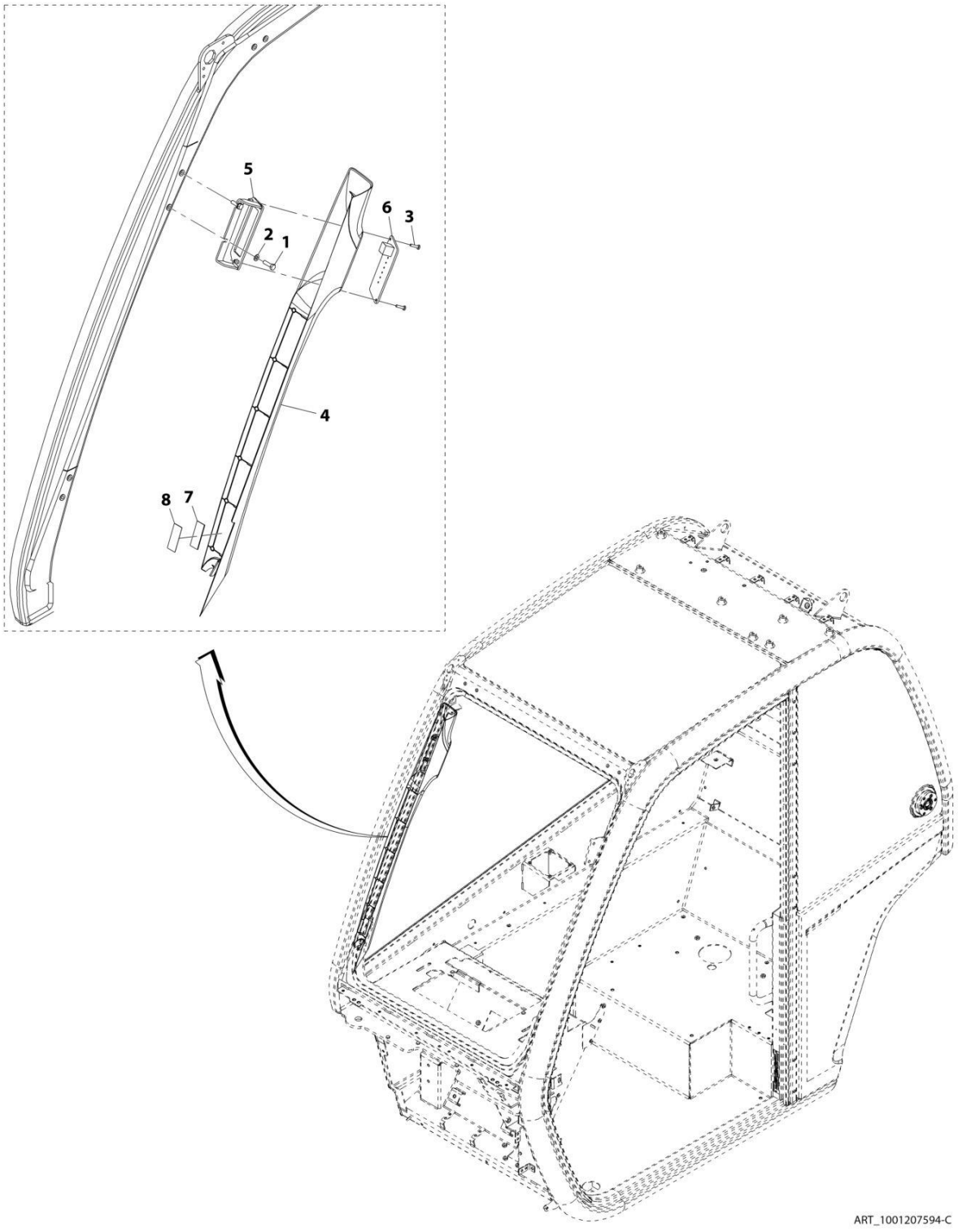


FIGURE 10-88. LSI DISPLAY INSTALLATION

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 10-89. LSI SENSOR INSTALLATION

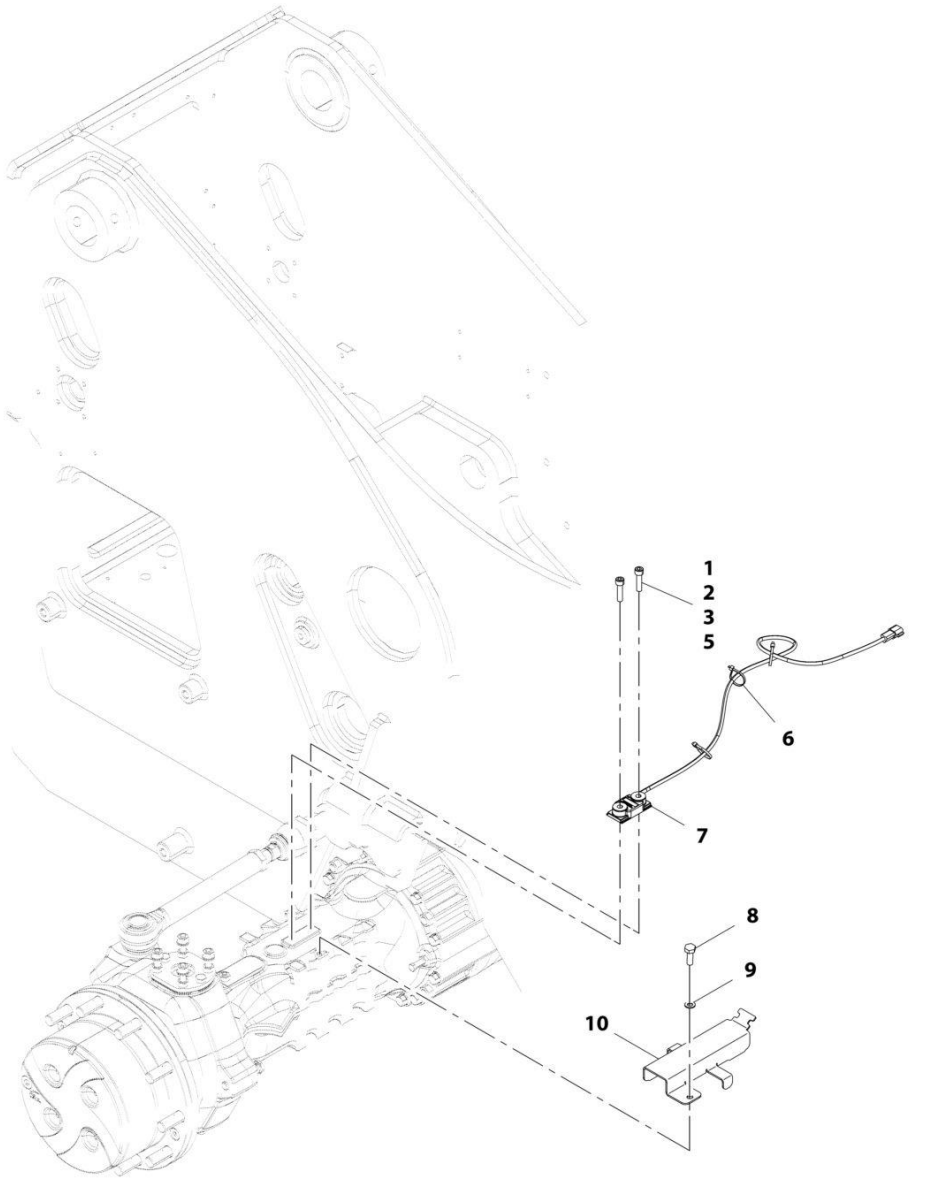


FIGURE 10-89. LSI SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220650	Ref	LSI Sensor Installation	B
1	5272012	2	Bolt, M10X40	
2	1001116128	AR	Sealant	
3	1001125465	AR	Compound, Locking	
5	1001129425	AR	Compound, Locking	
6	1001008559	3	Strap, Cable	
7	1001160730	1	Sensor, LSI	
8	0761010	1	Bolt, M10X20	
9	4812000	1	Washer, M10	
10	1001230850	1	Bracket, LSI Cover	

FIGURE 10-90. MAIN ELECTRICAL INSTALLATION (ULS)

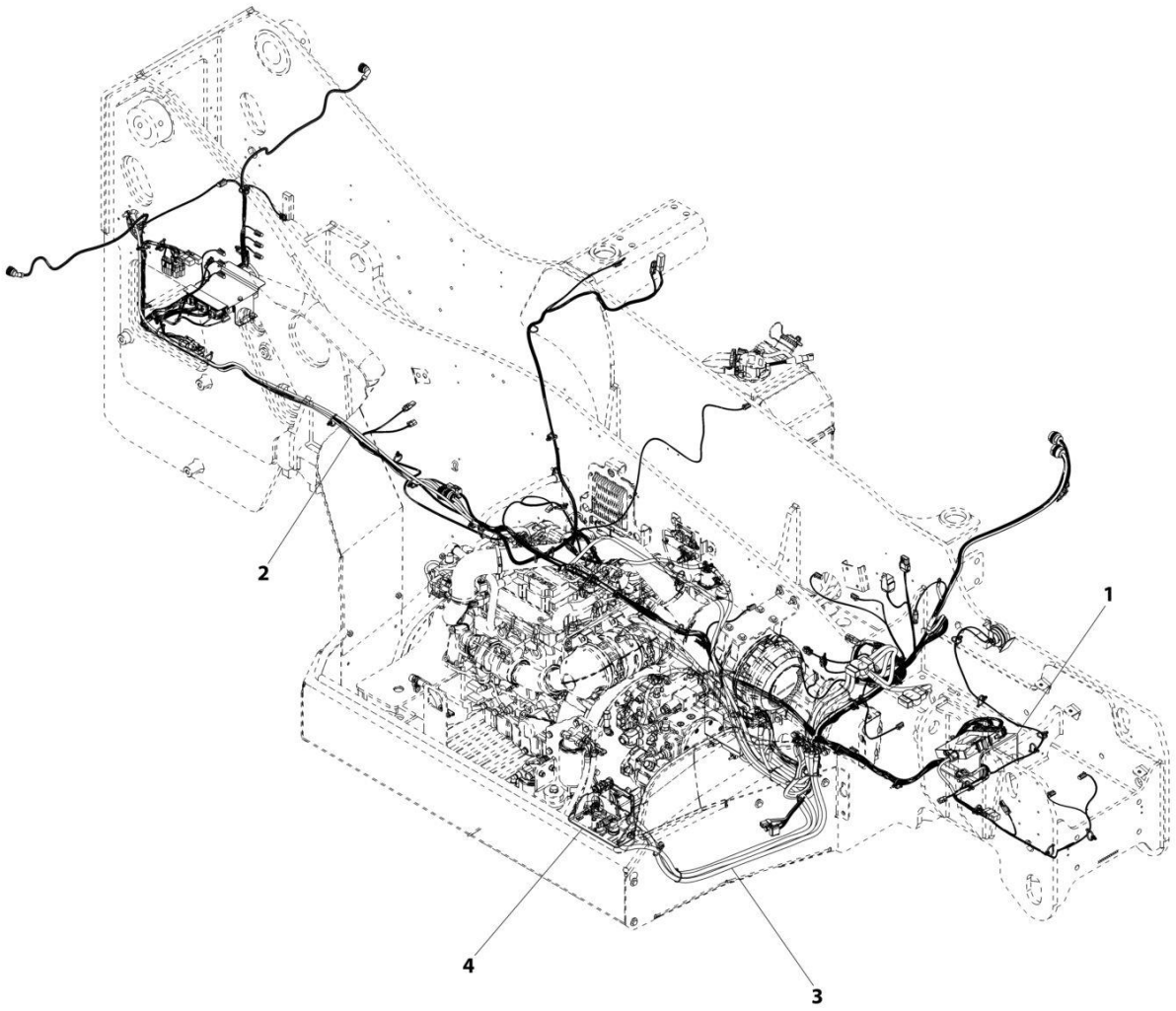


FIGURE 10-90. MAIN ELECTRICAL INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192537	Ref	Main Electrical Installation (ULS)	B
1	1001183272	Ref	Installation, Frame Electrical (See Separate Breakdown in this Section)	
2	1001200159	Ref	Installation, Frame Wiring (See Separate Breakdown in this Section)	
3	1001200160	Ref	Installation, Engine Bay Electrical	
4	1001202172	Ref	Installation, Engine Pod Electrical (ULS) (See Separate Breakdown in this Section)	

FIGURE 10-91. MAIN ELECTRICAL INSTALLATION, MINING (ULS)

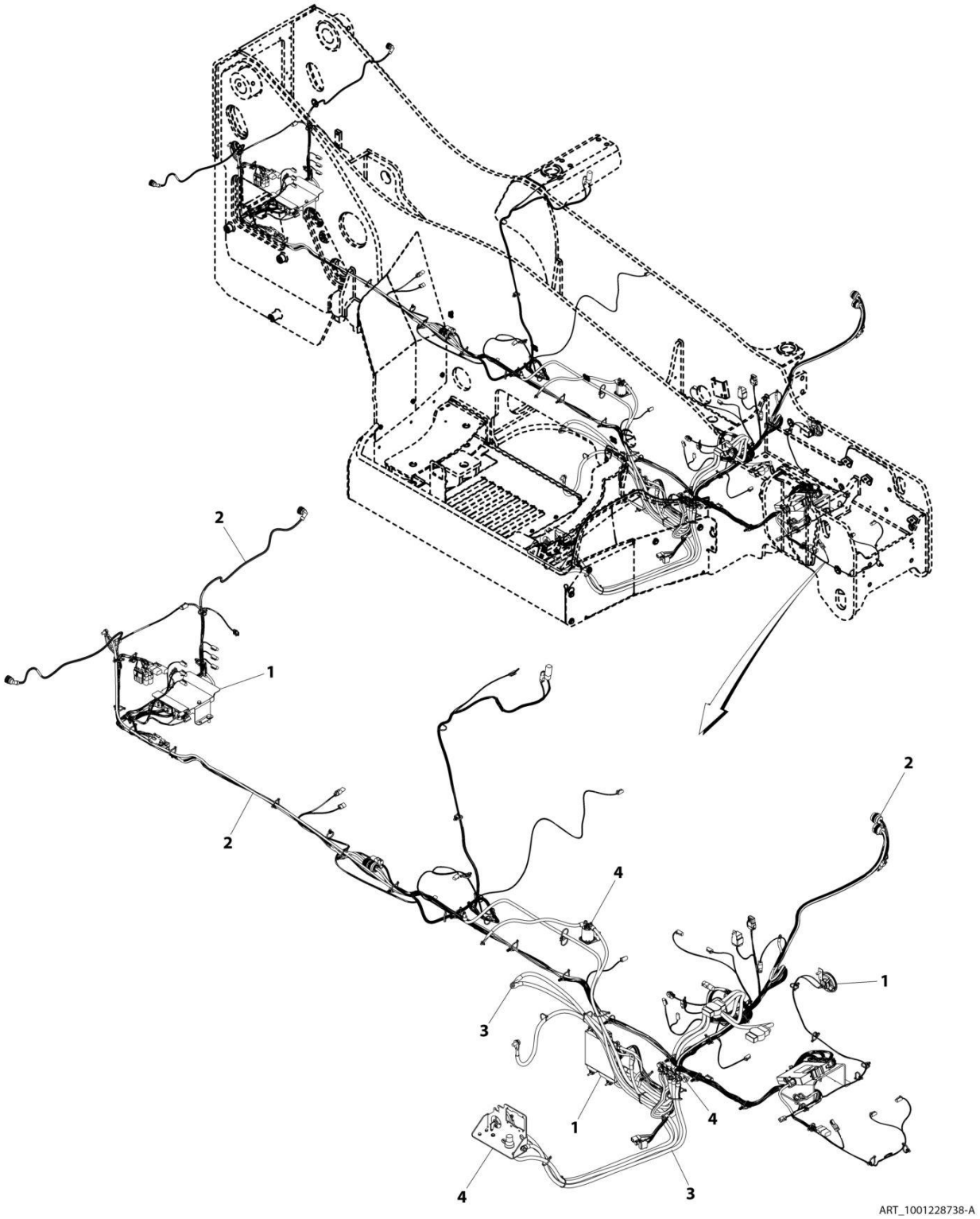
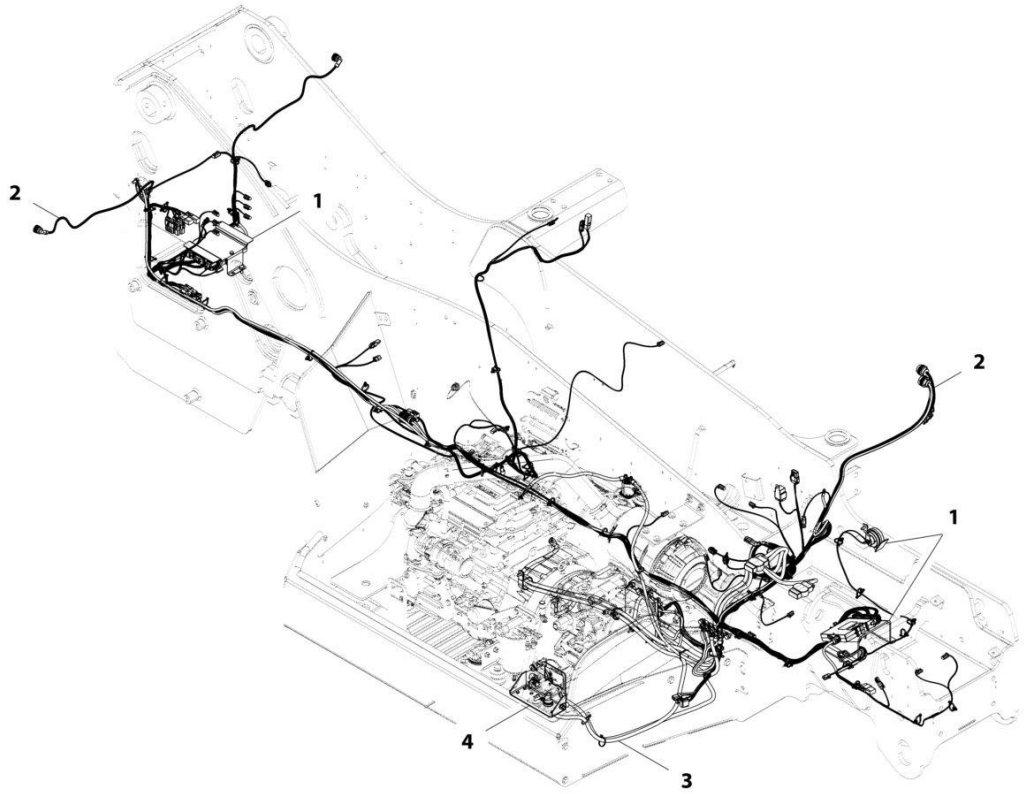


FIGURE 10-91. MAIN ELECTRICAL INSTALLATION, MINING (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228738	Ref	Main Electrical Installation, Mining (ULS)	A
1	1001183272	Ref	Installation, Frame Electrical (See Separate Breakdown in this Section)	
2	1001228739	Ref	Installation, Frame Wiring (See Separate Breakdown in this Section)	
3	1001200160	Ref	Installation, Engine Bay Electrical	
4	1001202172	Ref	Installation, Engine Pod Electrical (ULS) (See Separate Breakdown in this Section)	

FIGURE 10-92. MAIN ELECTRICAL INSTALLATION (LS)

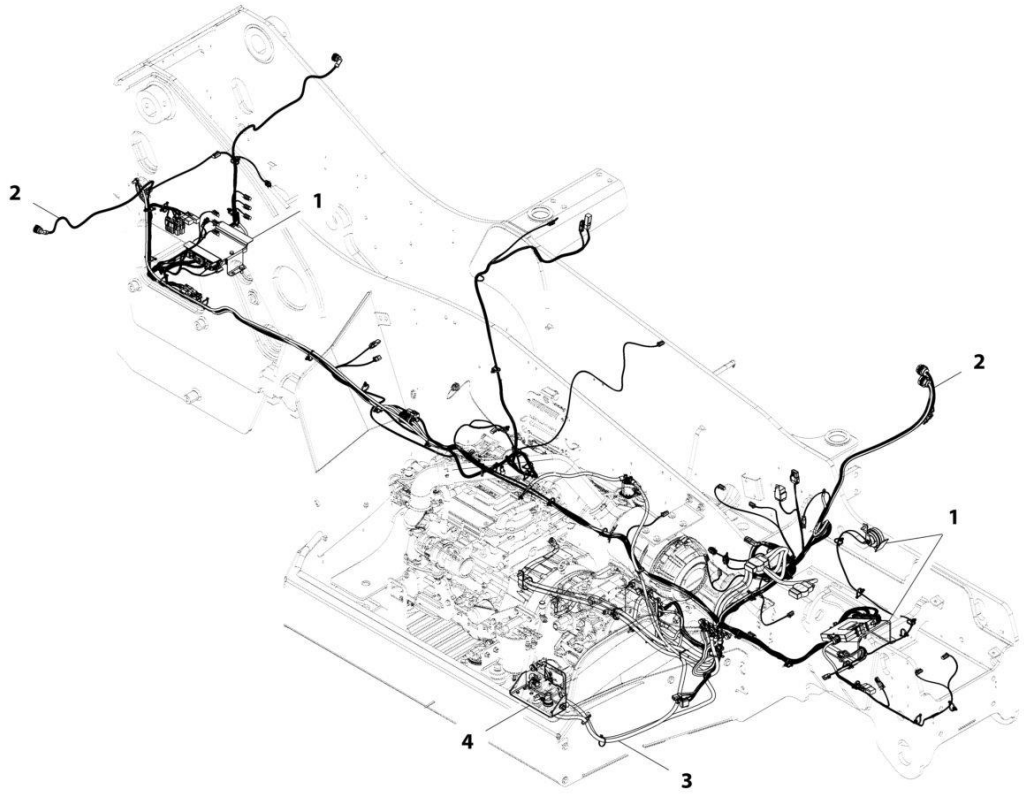


ART_1001192538-C

FIGURE 10-92. MAIN ELECTRICAL INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192538	Ref	Main Electrical Installation (LS)	C
1	1001183272	Ref	Installation, Frame Electrical (See Separate Breakdown in this Section)	
2	1001200159	Ref	Installation, Frame Electrical (See Separate Breakdown in this Section)	
3	1001227469	Ref	Installation, Engine Bay Electrical (See Separate Breakdown in this Section)	
4	1001223066	Ref	Installation, Engine Pod Electrical (LS) (See Separate Breakdown in this Section)	

FIGURE 10-93. MAIN ELECTRICAL INSTALLATION, MINING (LS)



ART_1001228742-A

FIGURE 10-93. MAIN ELECTRICAL INSTALLATION, MINING (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228742	Ref	Main Electrical Installation (LS) (Mining)	A
1	1001183272	Ref	Installation, Frame Electrical (See Separate Breakdown in this Section)	
2	1001228739	Ref	Installation, Frame Electrical (See Separate Breakdown in this Section)	
3	1001227469	Ref	Installation, Engine Bay Electrical (See Separate Breakdown in this Section)	
4	1001223066	Ref	Installation, Engine Pod Electrical (LS) (See Separate Breakdown in this Section)	

FIGURE 10-94. RALP PLATFORM HARNESS

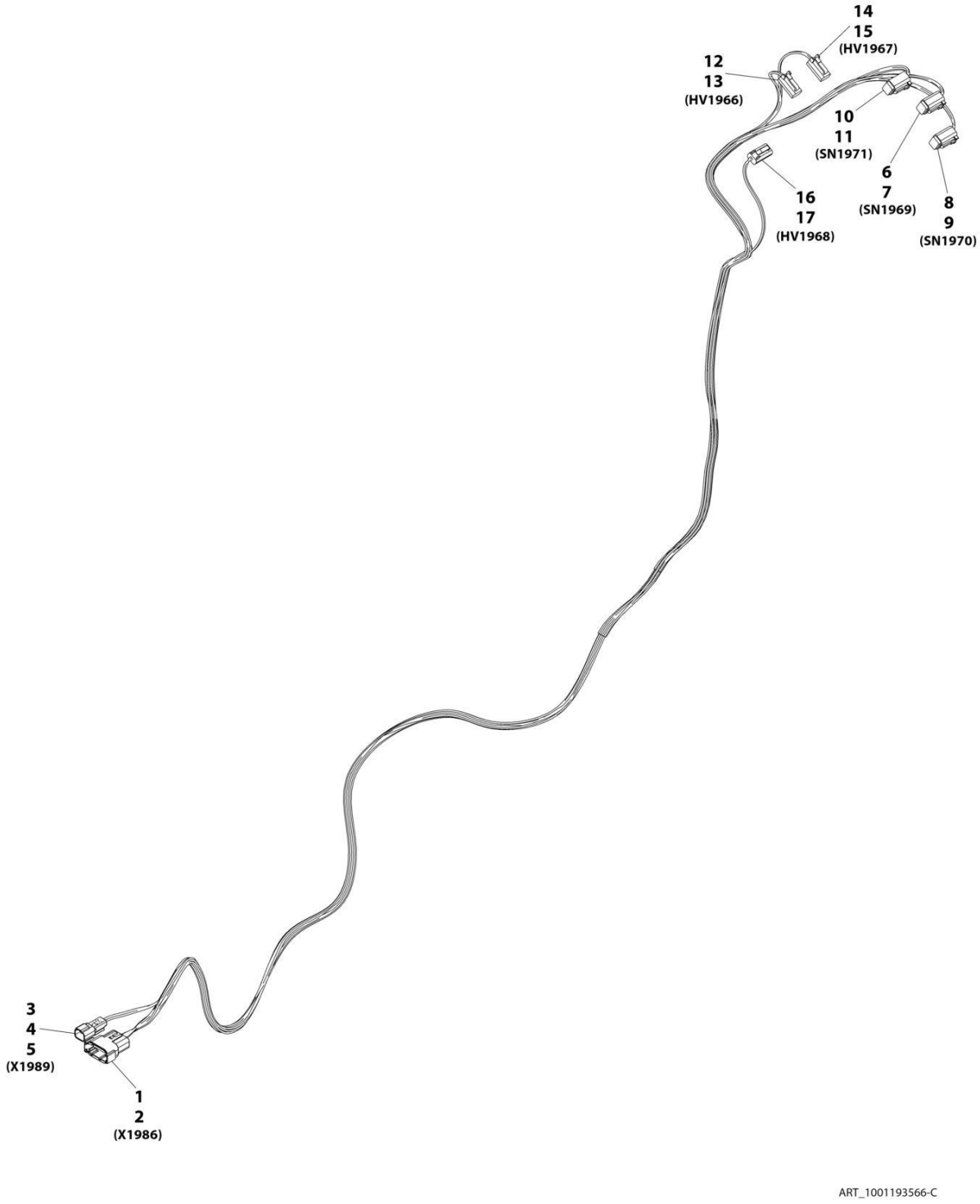


FIGURE 10-94. RALP PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193566	Ref	Platform Harness (RALP)	C
1	1001132169	1	Connector	
2	4460929	12	Terminal	
3	4460897	1	Connector	
4	4460464	1	Terminal	
5	4460941	1	Terminal	
6	4460884	1	Connector	
7	4460465	4	Terminal	
8	4460884	1	Connector	
9	4460465	4	Terminal	
10	4460884	1	Connector	
11	4460465	4	Terminal	
12	4460891	1	Connector	
13	4460465	2	Terminal	
14	4460891	1	Connector	
15	4460465	2	Terminal	
16	4460891	1	Connector	
17	4460465	2	Terminal	

FIGURE 10-95. REVERSE CAMERA INSTALLATION

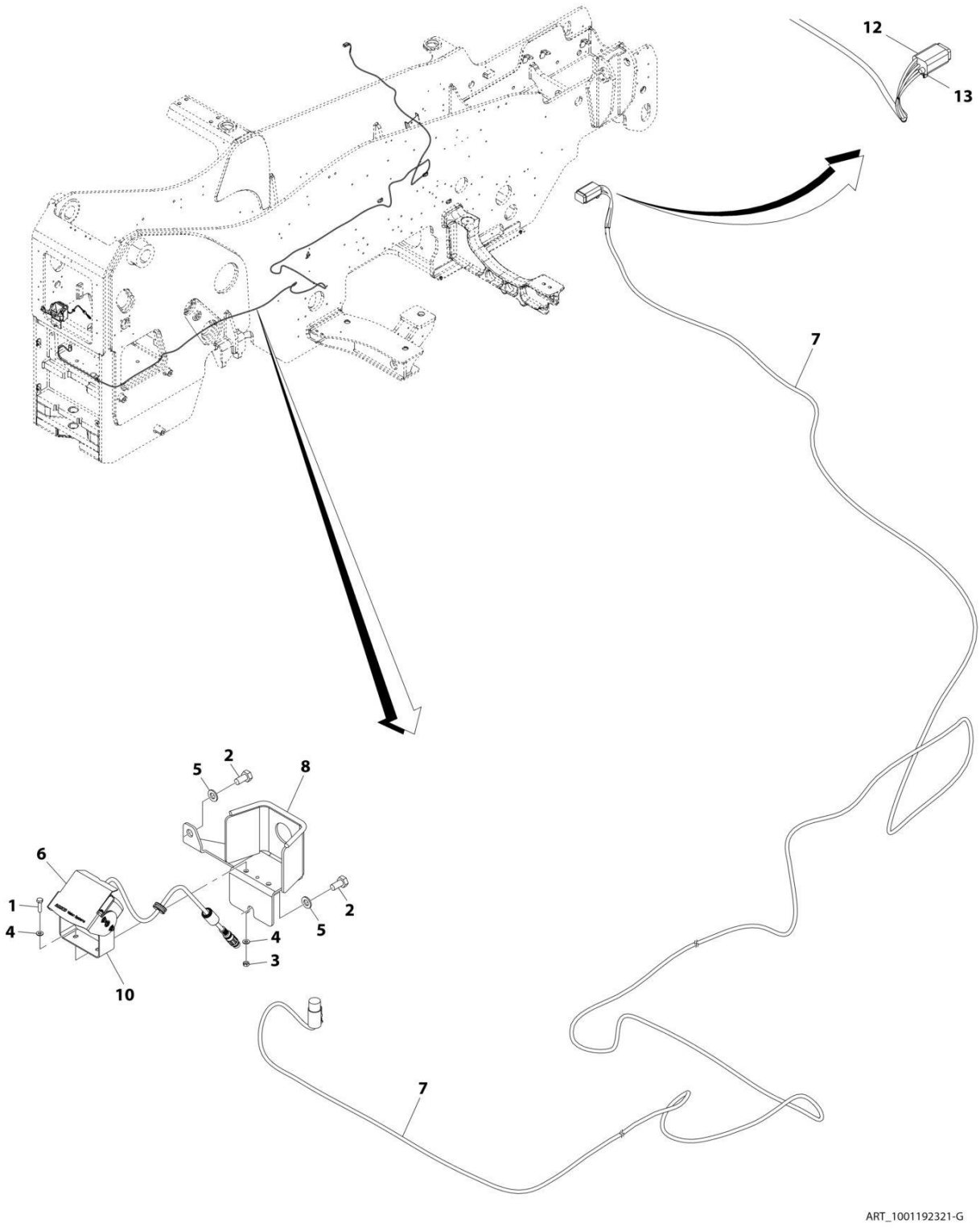


FIGURE 10-95. REVERSE CAMERA INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192321	Ref	Reverse Camera Installation	G
1	0700408	2	Bolt, M4X16	
2	0760808	2	Bolt, M8X16	
3	3290401	2	Nut, M4X0.7	
4	4811400	4	Washer, M4	
5	4811900	2	Washer, M8	
6	1001167017	1	Camera, Reverse	
7	1001171962	1	Cable, Camera	
8	1001205307	1	Bracket	
10	1001202621	1	Bracket	
12	4460884	1	Connector	
13	4460466	1	Terminal	

FIGURE 10-96. REVERSE SENSOR INSTALLATION

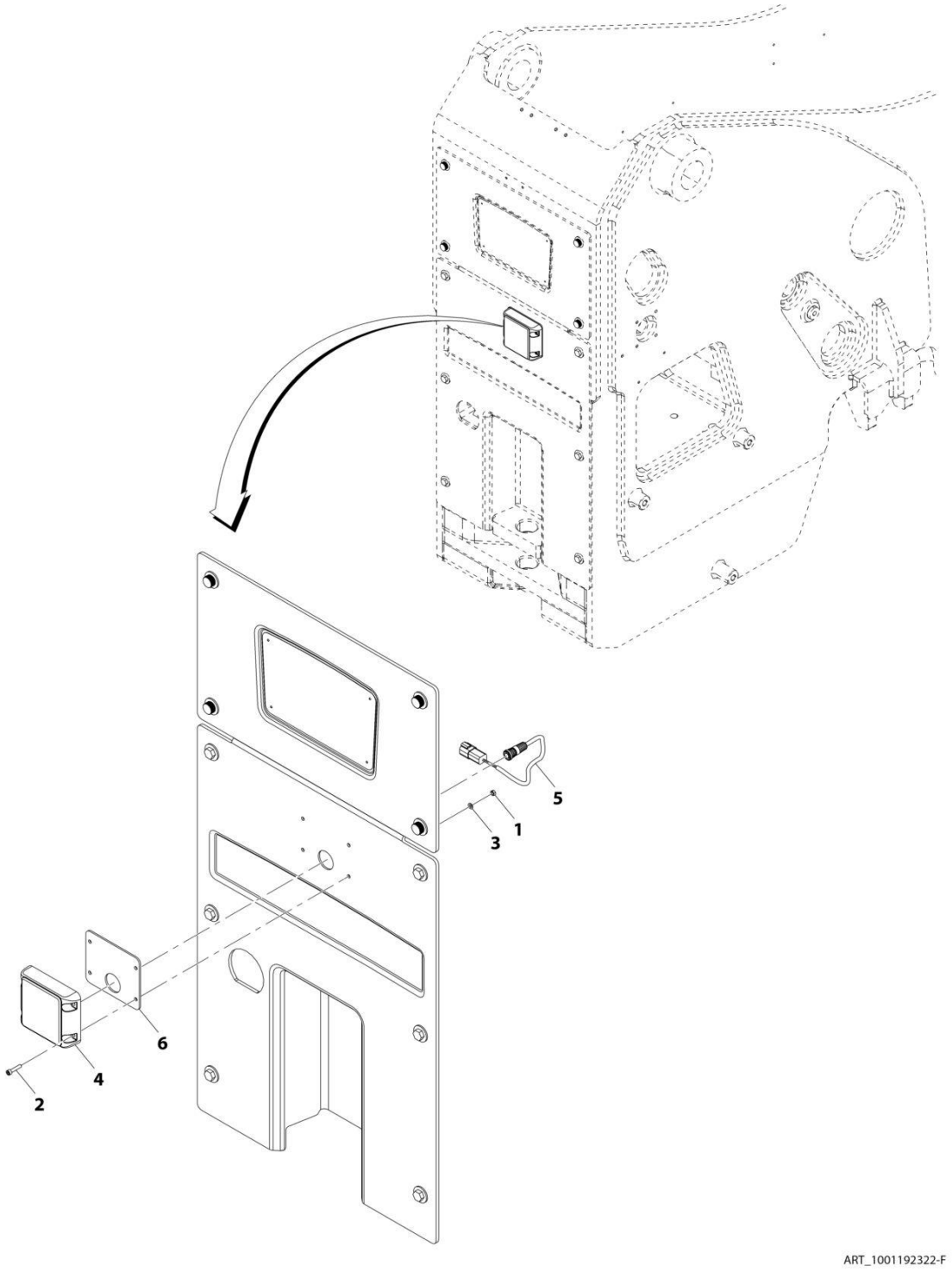
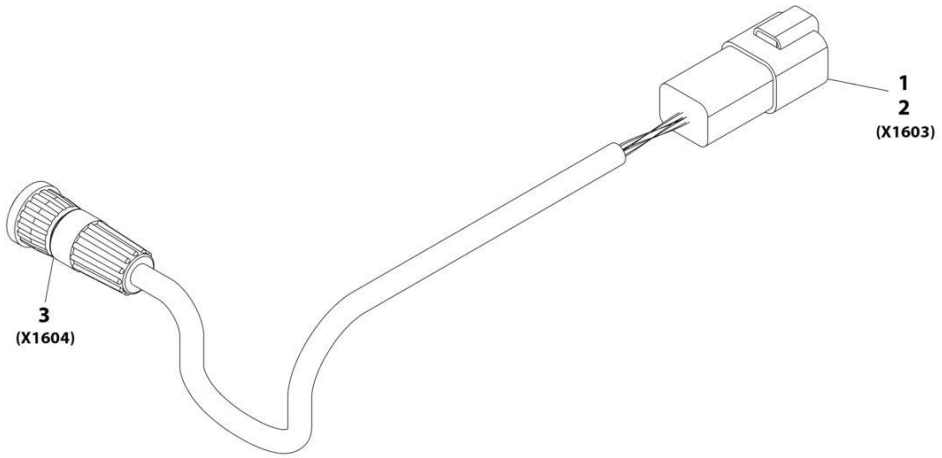


FIGURE 10-96. REVERSE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192322	Ref	Reverse Sensor Installation	F
1	3290501	4	Nut, M5X0.8	
2	5271609	4	Screw, M5X25	
3	4811600	4	Washer, M5	
4	1001247421	1	Sensor, Reverse	
5	1001175776	1	Harness, Reverse Sensor (See Separate Breakdown in this Section)	
6	1001251518	1	Plate	

FIGURE 10-97. REVERSE SENSOR HARNESS



ART_1001175776-C

FIGURE 10-97. 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 10-98. RIDE CONTROL WIRING INSTALLATION

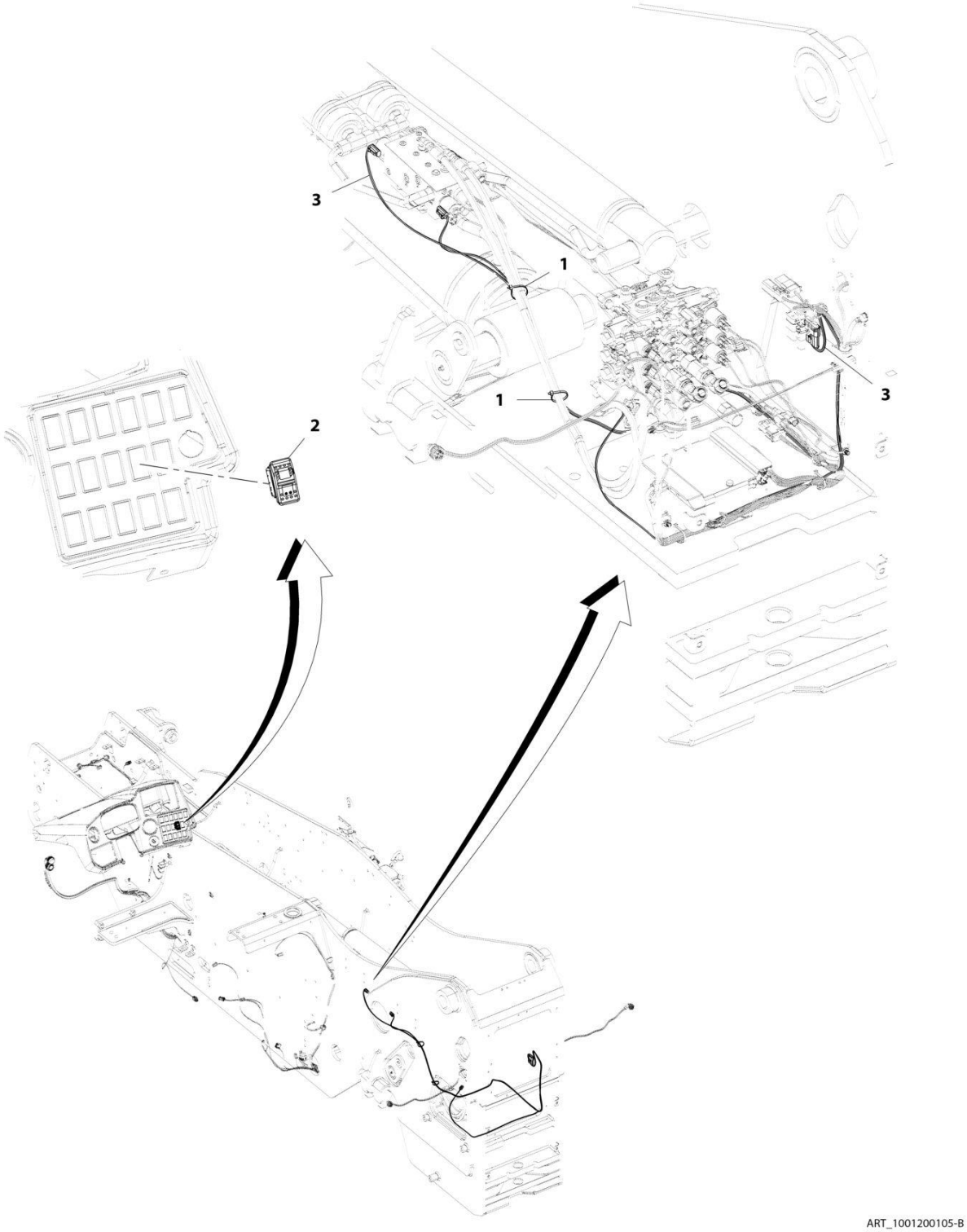


FIGURE 10-98. RIDE CONTROL WIRING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200105	Ref	Ride Control Wiring Installation	B
1	1001008559	2	Strap, Cable Tie	
2	1001159745	1	Switch, Boom Ride	
3	1001197668	1	Harness, Boom Ride Float (See Separate Breakdown in this Section)	

FIGURE 10-99. RIDE CONTROL HARNESS (BOOM)

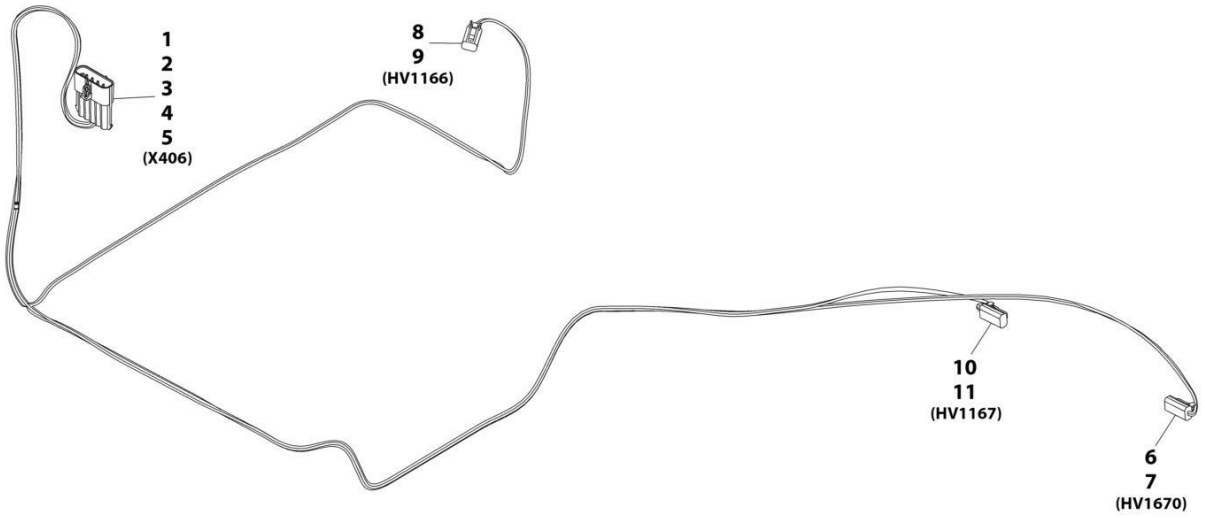
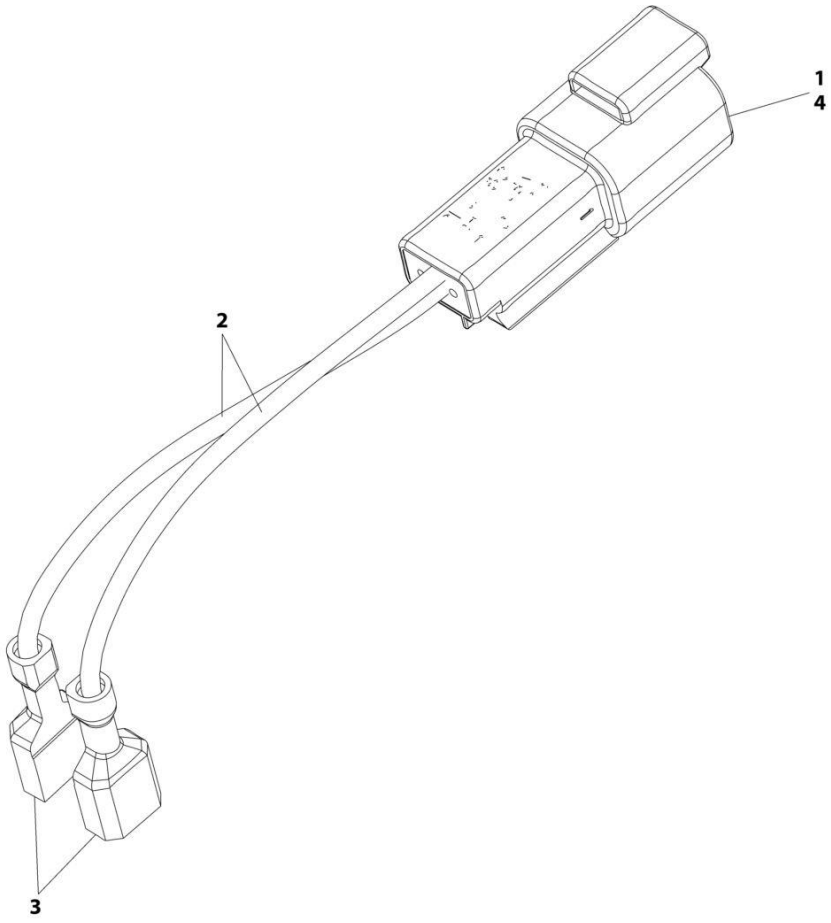


FIGURE 10-99. RIDE CONTROL HARNESS (BOOM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197668	Ref	Boom Ride Control Harness	D
1	1001121727	1	Connector	
2	1001116745	3	Terminal	
3	1001116729	1	Terminal	
4	4460458	4	Terminal Seal	
5	1001116727	1	Plug	
6	4460891	1	Connector	
7	4460465	2	Terminal	
8	4460891	1	Connector	
9	4460465	2	Terminal	
10	4460891	1	Connector	
11	4460465	2	Terminal	

FIGURE 10-100. SPEED HARNESS (VEHICLE SPEED)



ART_1001229981-A

FIGURE 10-100. SPEED HARNESS (VEHICLE SPEED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229981	Ref	Vehicle Speed Pigtail Harness	A
1	4460464	2	Terminal	
2	4921614	200 mm	Wire, 18GA White	
3	1001194421	2	Terminal	
4	4460897	1	Connector	

FIGURE 10-101. TANK HEATER INSTALLATION - HYDRAULIC TANK (115V)

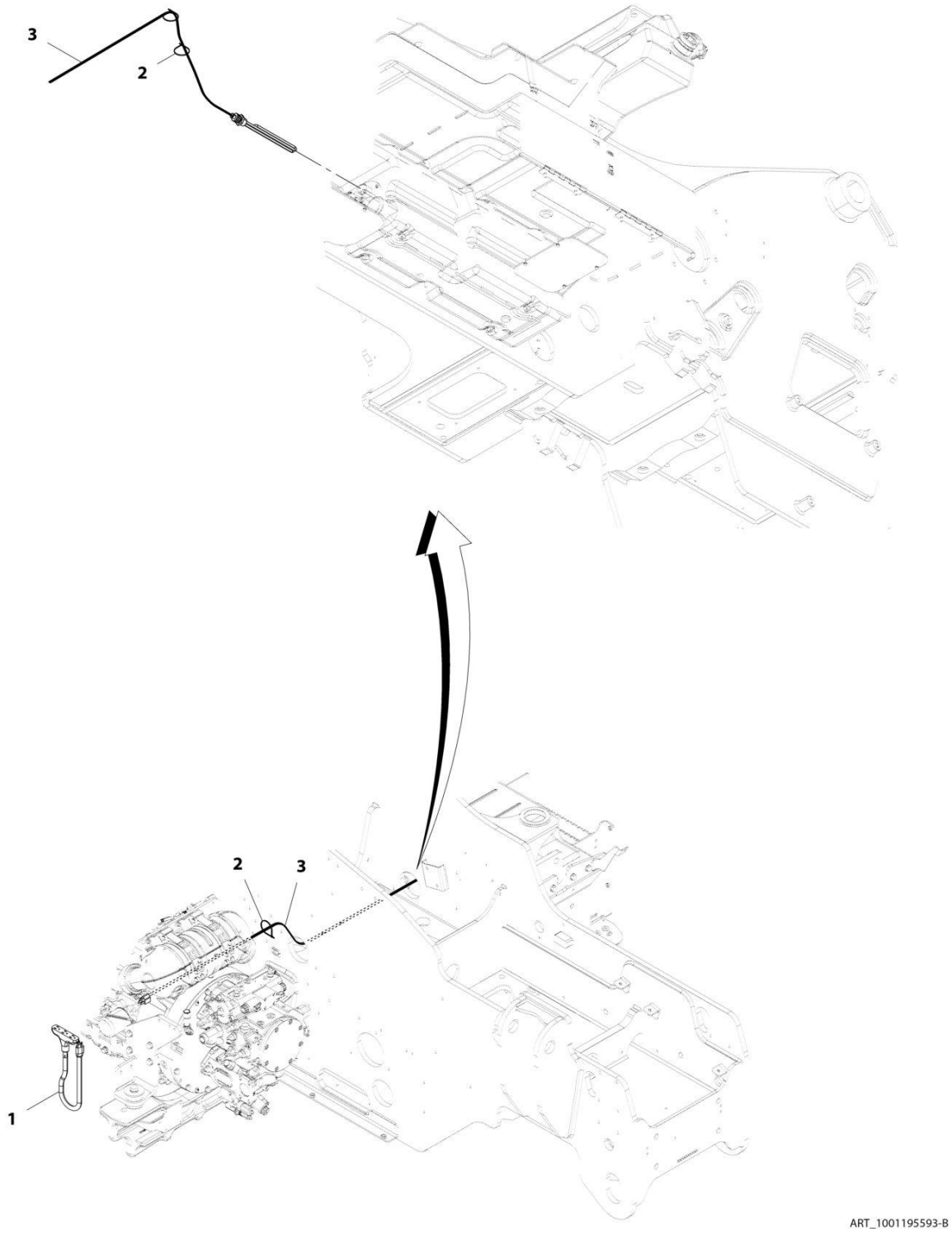


FIGURE 10-101. TANK HEATER INSTALLATION - HYDRAULIC TANK (115V)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195593	Ref	Hydraulic Tank Heater Installation (115V)	B
1	1060626	1	Cord, 3-Way Extension	
2	4240099	AR	Tie, Wire	
3	1001105886	1	Heater, Immersion	

FIGURE 10-102. TANK HEATER INSTALLATION - HYDRAULIC TANK (230V)

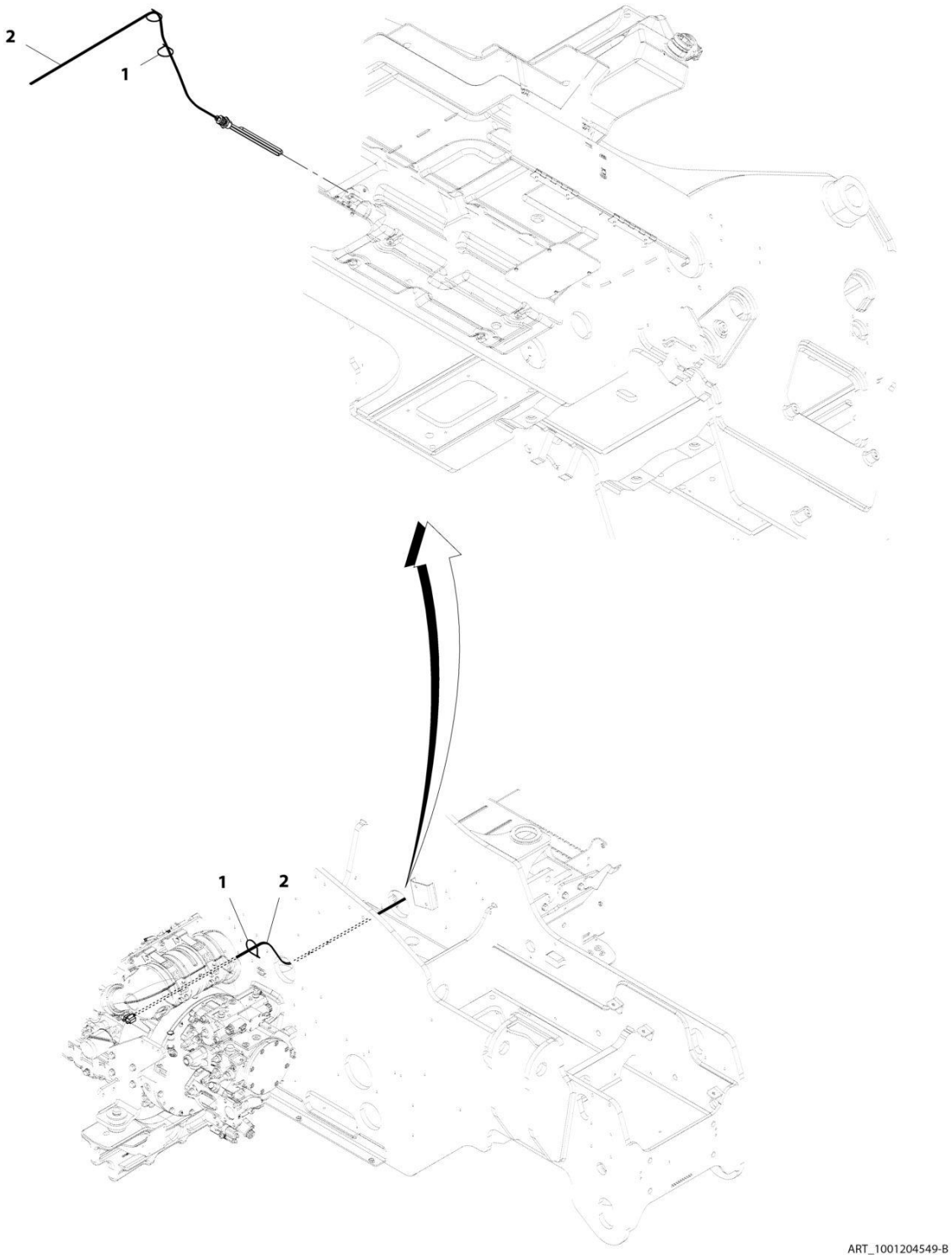


FIGURE 10-102. TANK HEATER INSTALLATION - HYDRAULIC TANK (230V)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204549	Ref	Hydraulic Tank Heater Installation (240V)	B
1	4240099	AR	Tie, Wire	
2	1001195439	1	Heater, Immersion	

FIGURE 10-103. TELEMATICS (CLEARSKY) INSTALLATION 3-WIRE (CE)

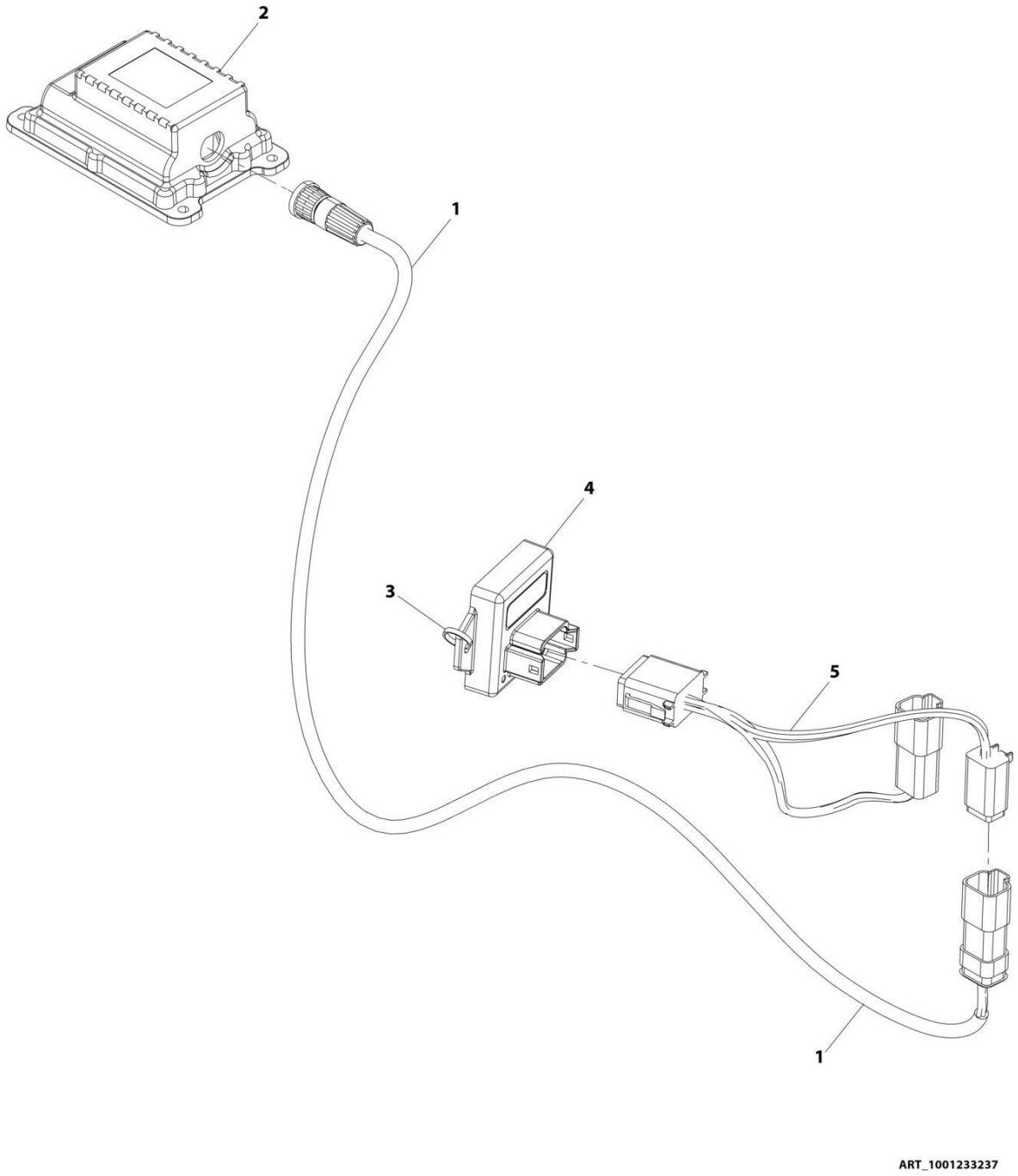


FIGURE 10-103. TELEMATICS (CLEARSKY) INSTALLATION 3-WIRE (CE)

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

FIGURE 10-104. TELEMATICS HARNESS

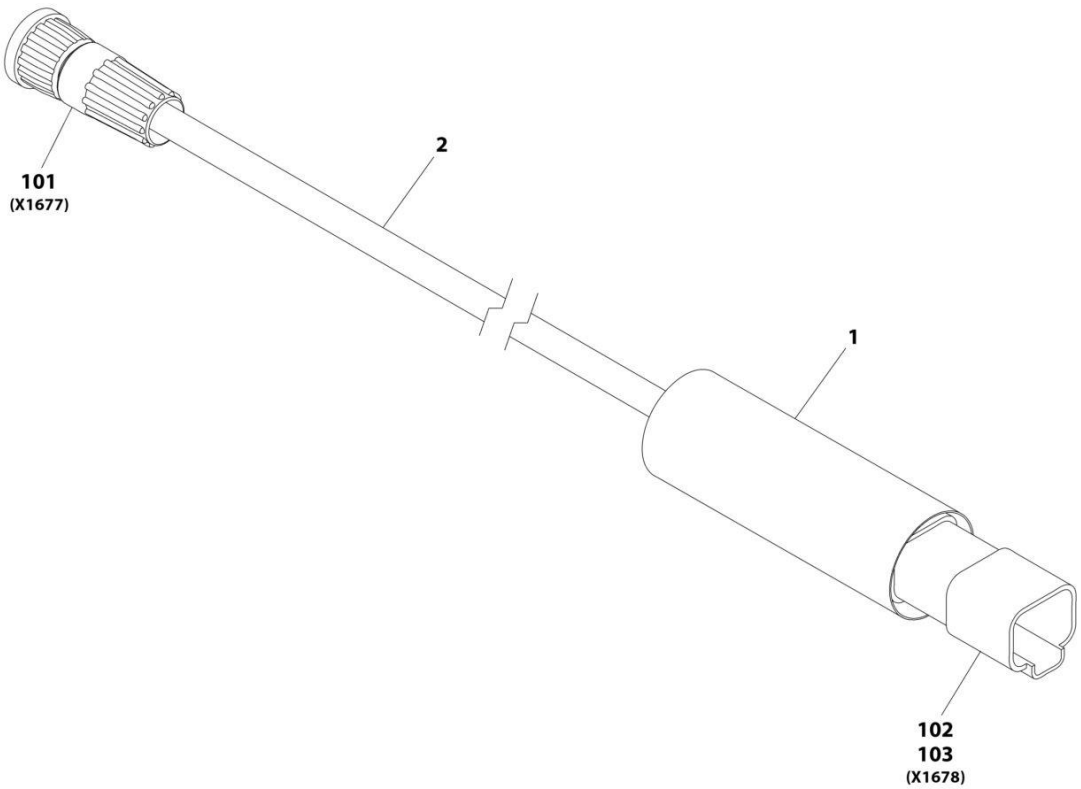


FIGURE 10-104. TELEMATICS HARNESS

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

FIGURE 10-105. TELEMATICS (CLEARSKY) INSTALLATION (CANBUS) (CE)

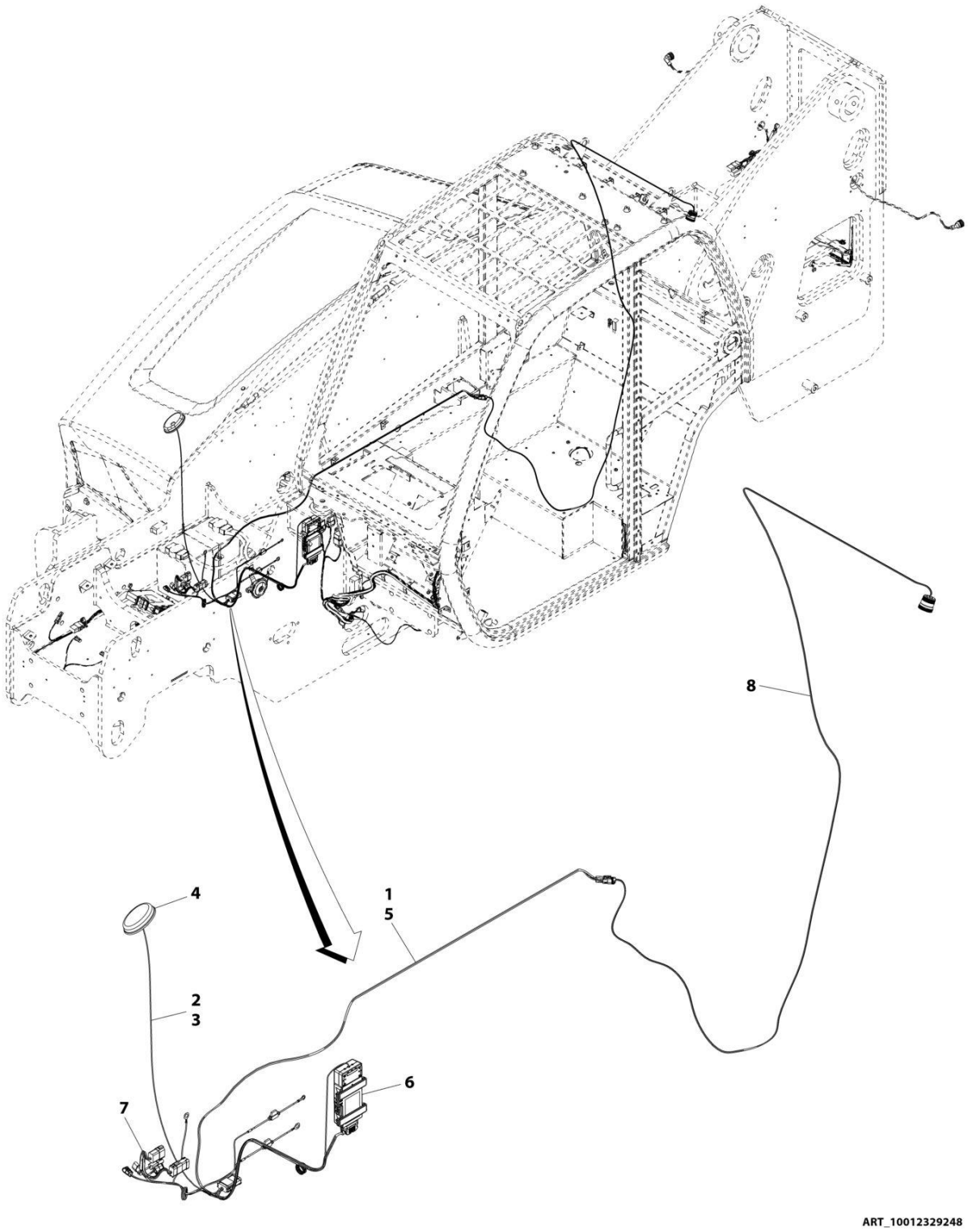


FIGURE 10-105. TELEMATICS (CLEARSKY) INSTALLATION (CANBUS) (CE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239248	Ref	Clearsky Installation	C
1	1062255	AR	Strap, Tie	
2	4240032	AR	Strap, Tie	
3	4460234	AR	Mount, Cable Tie	
4	1001226799	1	Antenna	
5	1001227297	1	Harness, Clearsky (See Separate Breakdown in this Section)	
6	1001239194	1	Module	
7	1001232298	1	Harness, Telematics Option (See Separate Breakdown in this Section)	
8	1001254185	1	Harness, Adapter (See Separate Breakdown in this Section)	

FIGURE 10-106. TELEMATIC 4WARD HARNESS (CLEARSKY 2)

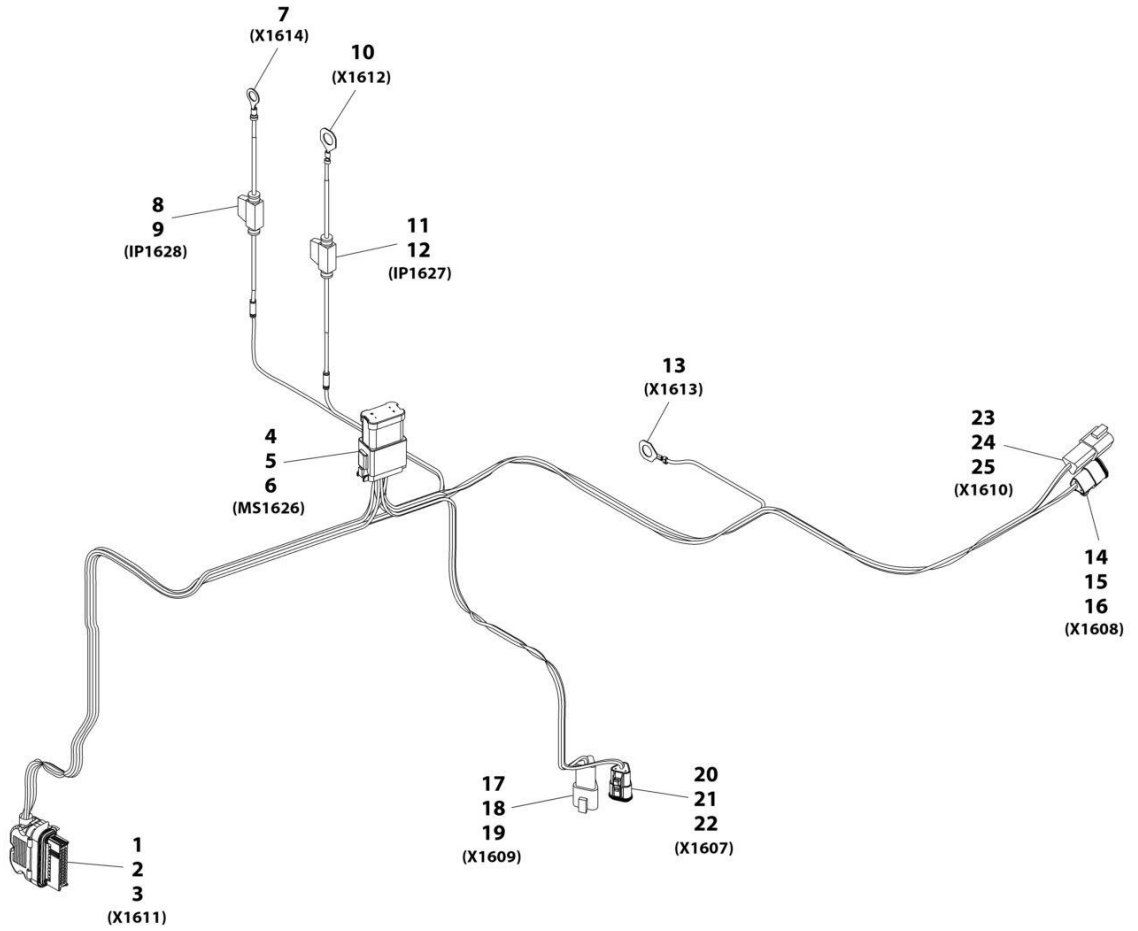


FIGURE 10-106. TELEMATIC 4WARD HARNESS (CLEARSKY 2)

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

FIGURE 10-107. TELEMATICS OPTION HARNESS

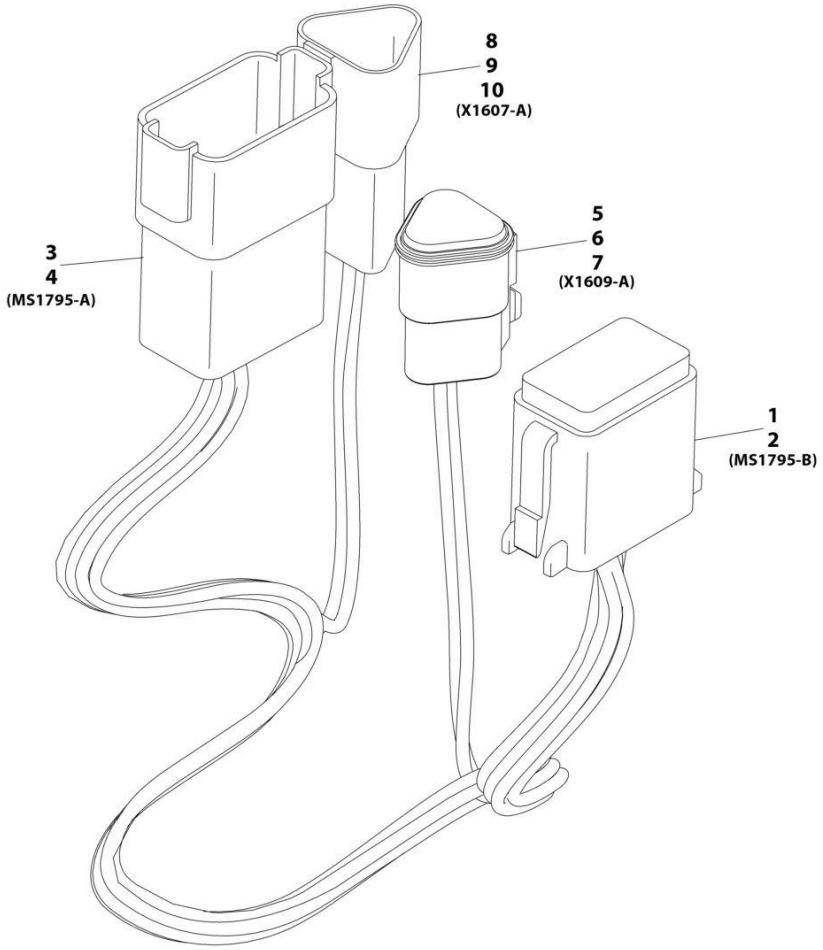


FIGURE 10-107. TELEMATICS OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232298	Ref	Telematics Option Harness	A
1	4460930	1	Connector	
2	4460465	8	Terminal	
3	4460931	1	Mating Connector	
4	4460464	8	Terminal	
5	1001116812	1	Connector	
6	4460465	2	Terminal	
7	4460466	1	Plug	
8	1001144147	1	Connector	
9	4460464	2	Terminal	
10	4460466	1	Plug	

FIGURE 10-108. TELEMATICS ADAPTER HARNESS

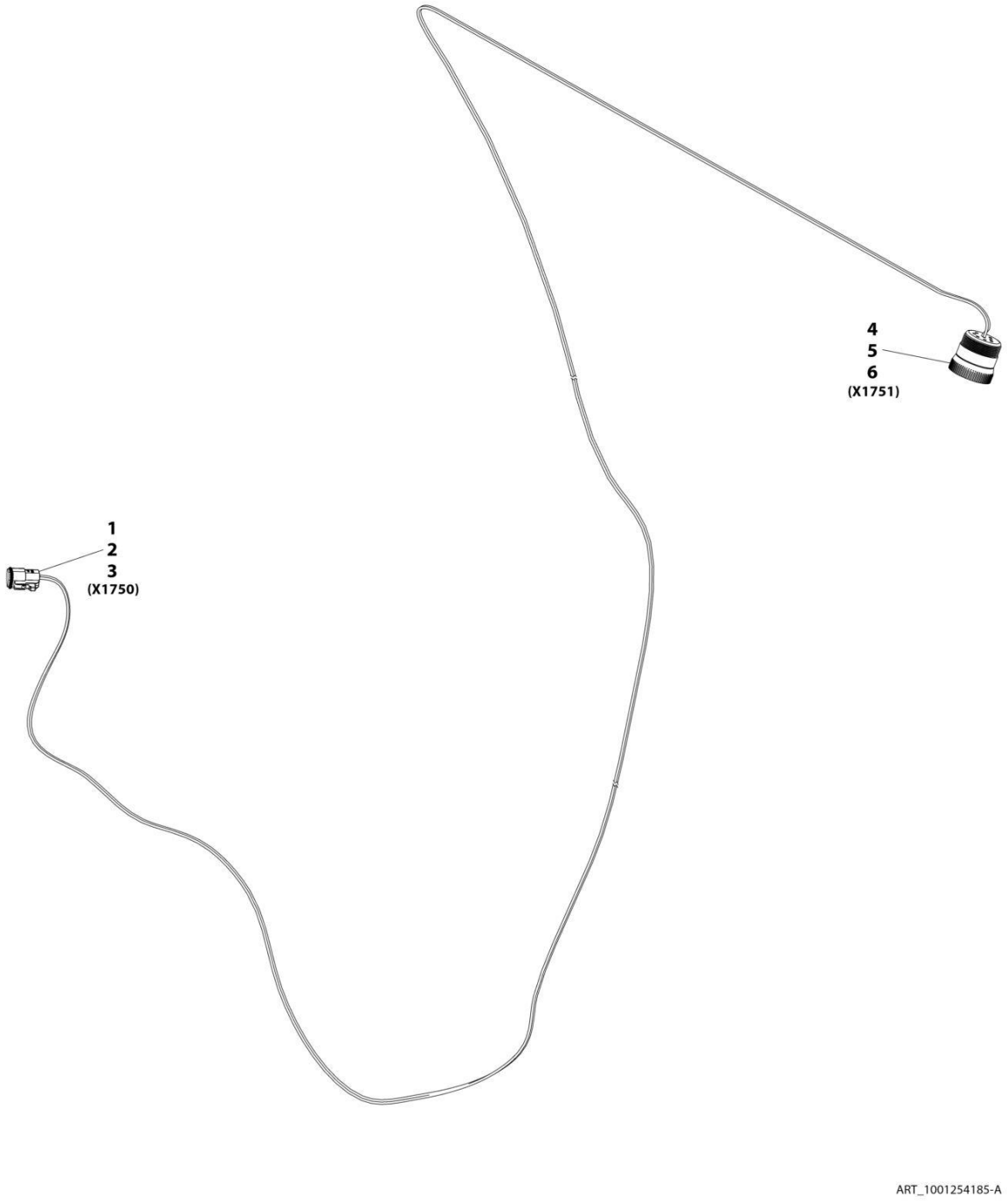


FIGURE 10-108. TELEMATICS ADAPTER HARNESS

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

FIGURE 10-109. TELEMATICS READY INSTALLATION

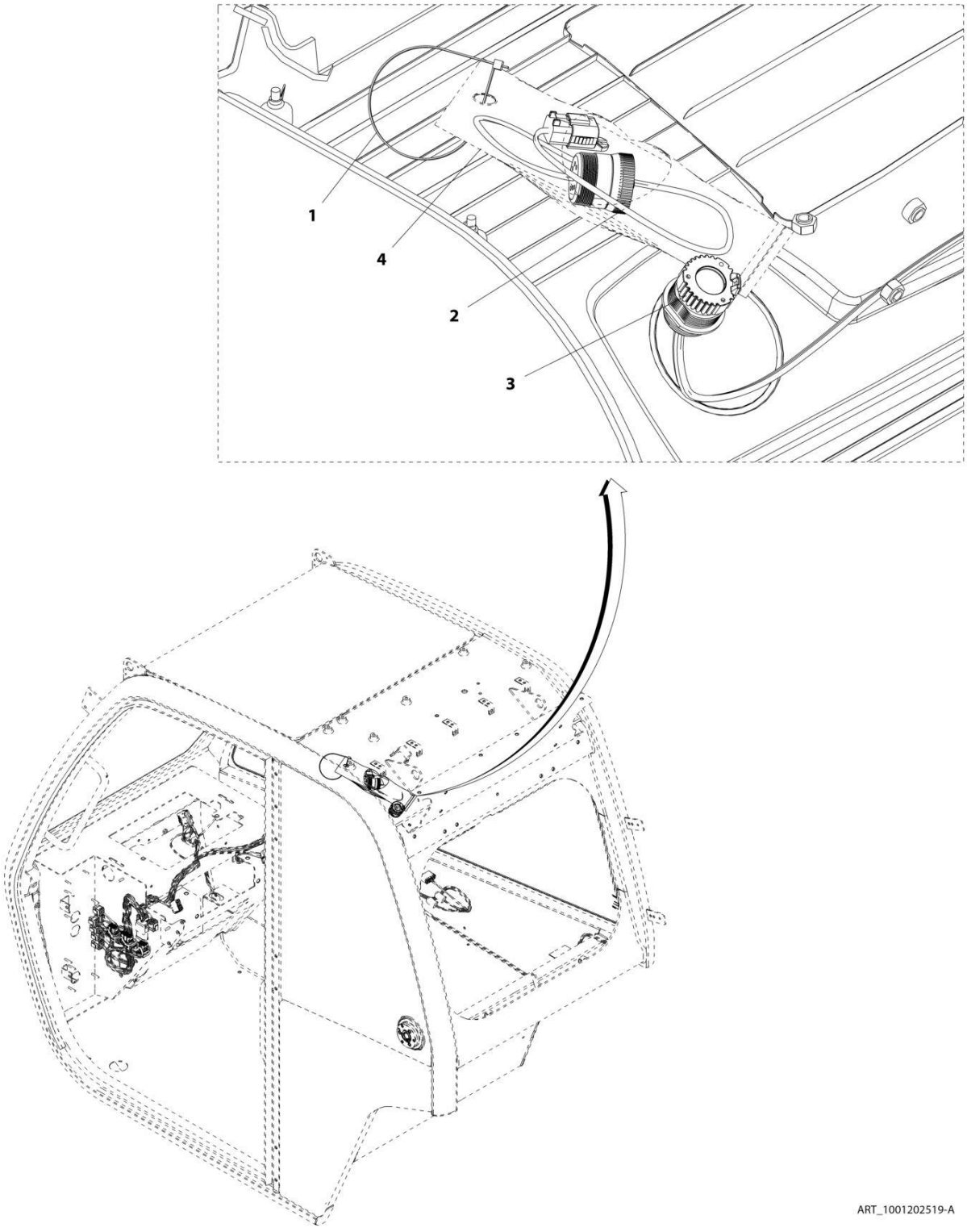


FIGURE 10-109. TELEMATICS READY INSTALLATION

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 10-110. TELEMATICS READY HARNESS

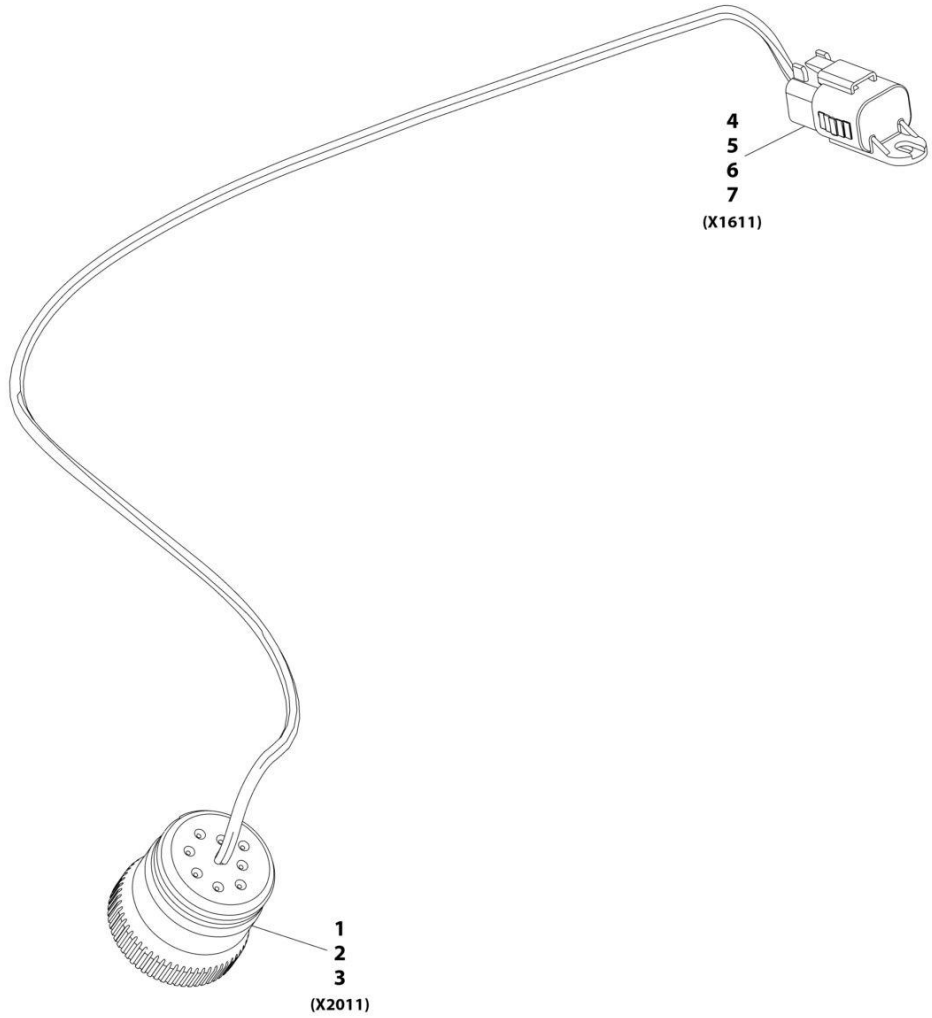


FIGURE 10-110. TELEMATICS READY HARNESS

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	

SECTION 11 - DECALS

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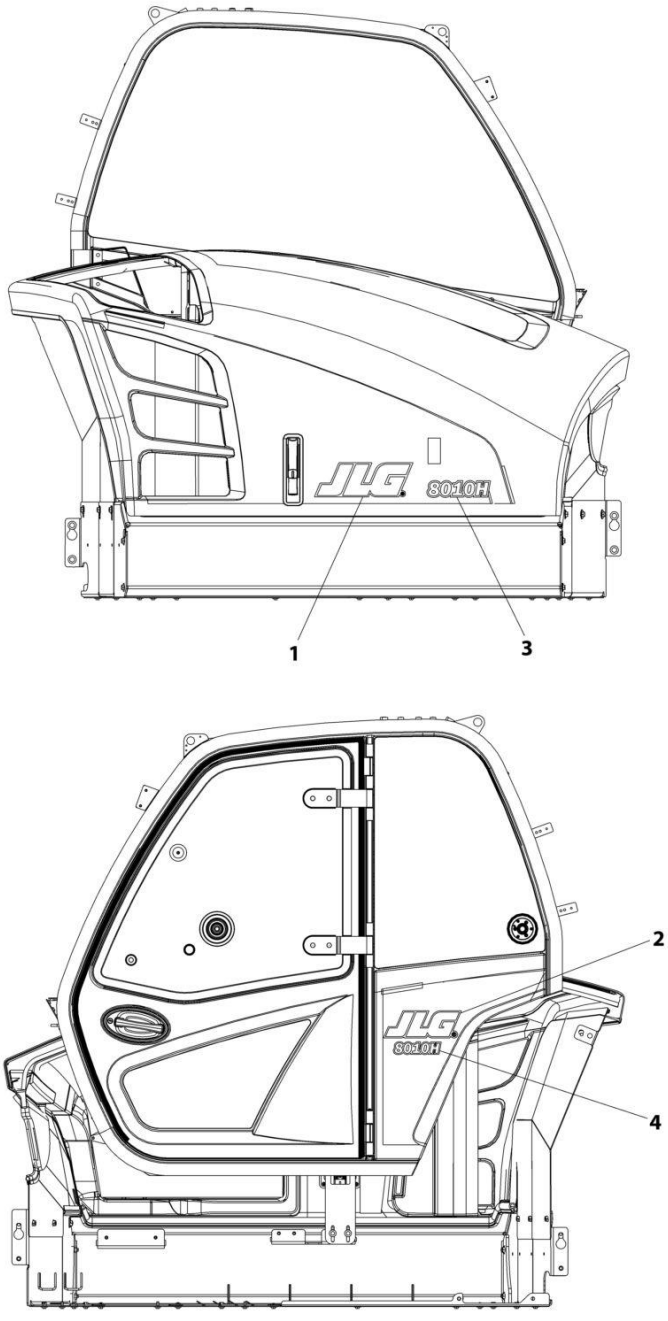
FIGURE 11-1. 8010H DECAL INSTALLATION



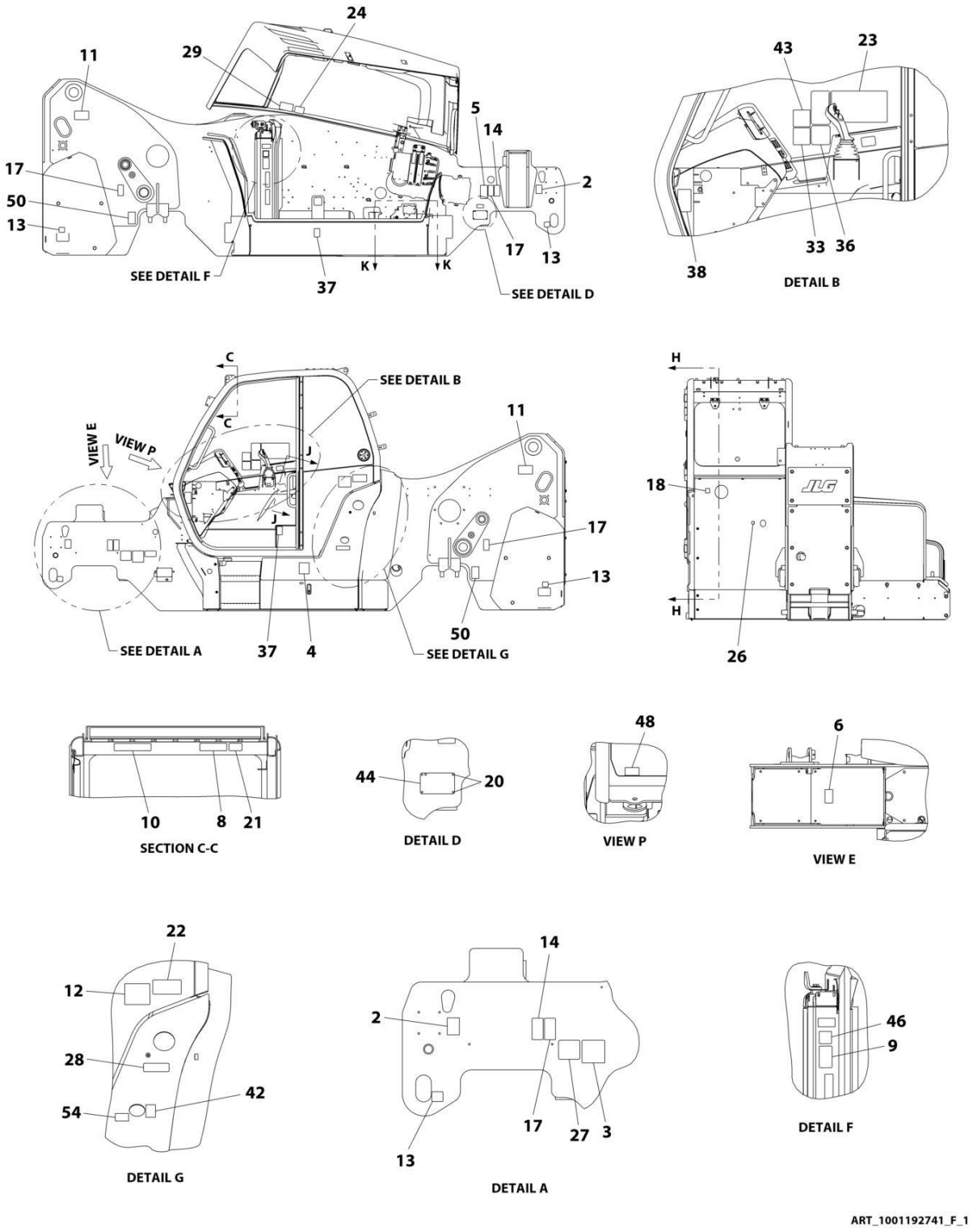
ART_1001192739-B

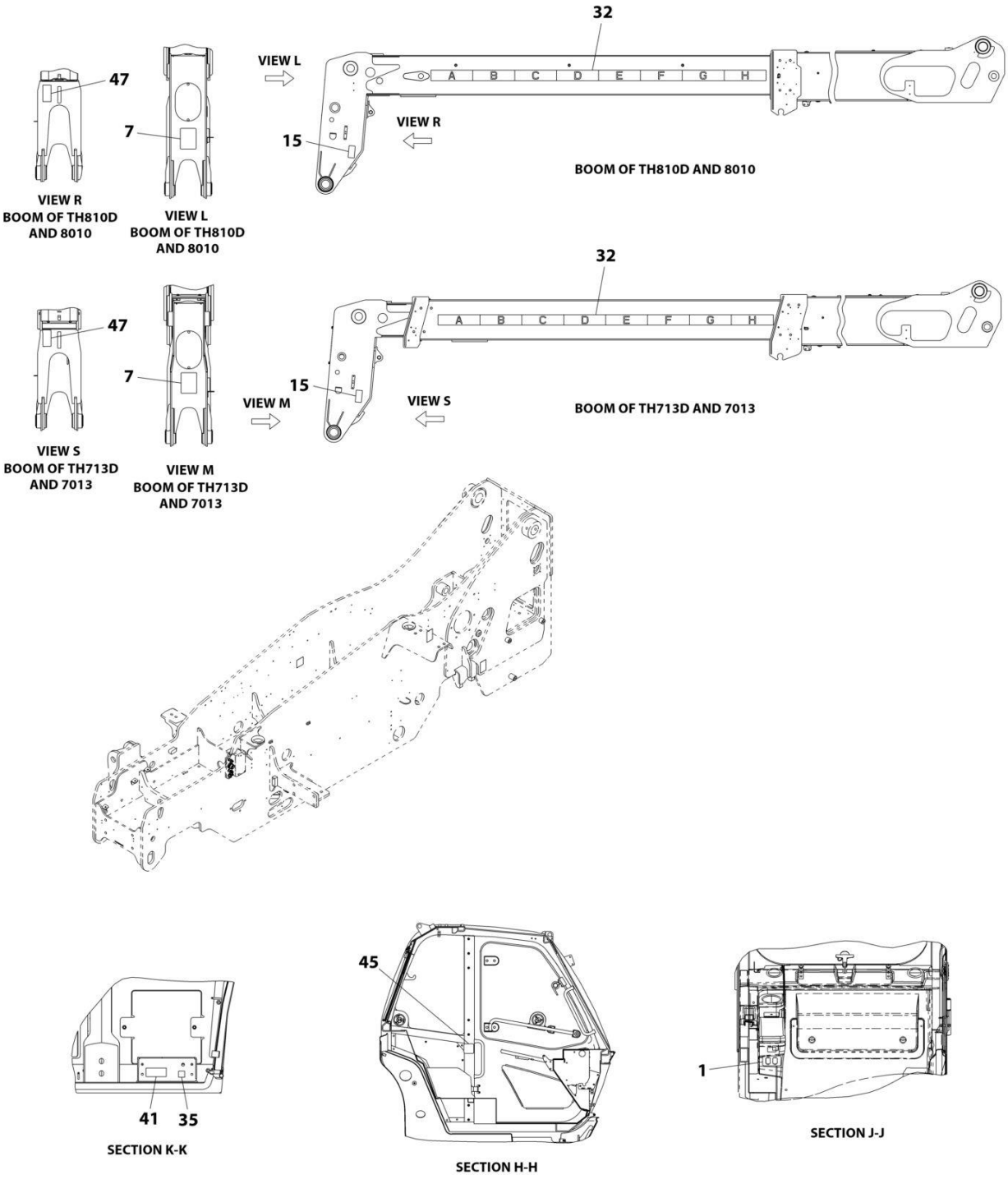
FIGURE 11-1. 8010H DECAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192739	Ref	8010H Decal Installation	B
1	1001160775	1	Decal, JLG 5 Black	
2	1001169674	1	Decal, JLG M100X285	
3	1001211528	1	Decal, JLG 8010 Hood	
4	1001211529	1	Decal, JLG 8010 Cab	

SECTION 11 - DECALS

FIGURE 11-2. DECALS INSTALLATION (ULS ISO)

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SECTION H-H
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SECTION J-J
ART_1001192741_F_2

SECTION 11 - DECALS

FIGURE 11-2. DECALS INSTALLATION (ULS ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192741	Ref	Decal Installation (ULS)	F
1	1670836	1	Cover, Boom	
2	1701500	2	Decal-Lift	
3	See Note	NSS	Decal, Bar Code (Note: Not Available for Purchase)	
4	1705980	1	Decal, Acoustic Power 106db	
5	1706098	1	Decal, Warning Ether Start	
6	1706281	1	Decal, Battery Warning (ISO)	
7	1706282	1	Decal, Carry Personnel (ISO)	
8	1706284	1	Decal, Electrocution Hazard (ISO)	
9	1706285	1	Decal, Moving Parts (ISO)	
10	1706288	1	Decal, Tip Over Warning	
11	1706292	2	Decal, Pinch Point Boom Holes	
12	3251813	1	Decal, USA	
13	4109801	4	Decal, Tie Down Point	
14	8005671	2	Decal, Cylinder Lock Warning	
15	8005675	2	Decal, Watch for Raised Boom Warning	
17	8008657	4	Decal, Set Brake Lever Warning	
18	1001094708	1	Decal, Hydraulic Oil	
20	1001009178	4	Tack, Metal	
21	1001092877	1	Decal, Crush Hazard Warning	
22	1001092878	1	Decal, No Riders	
23	1001101895	1	Decal, Cab Warning	
24	1001109053	1	Decal, Coolant Fill	
26	1001130323	1	Decal, Oil Level	
27	1001131271	1	Decal, Patent Telehandlers USA/Canada	
28	1001218704	1	Decal, Ultra Low Sulfur Diesel	
29	1001139942	1	Decal, Hot Fluid Warning	
32	1001171277	1	Decal, Boom Extend	
33	1001172035	1	Decal, No Weld or Drill	
35	1001184632	1	Decal, Battery Positive	
36	1001188372	1	Decal, Sway	
37	1001189154	2	Decal, Read Operators Manual	
38	1001191229	1	Decal, Fuse Panel	
41	1001195855	1	Decal, Battery Disconnect	
42	1001196806	1	Decal, Diesel Exhaust Fluid	
43	1001227287	1	Decal, Manual	
44	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase0	
45	1001214206	1	Decal, Park Brake	
46	AU2105	1	Decal, No Karcher	
47	1001207218	1	Decal, Danger Swinging Load	
48	1001219211	1	Decal, Brake Fluid	
50	1001222650	2	Decal, Axle Lift	
54	1001247646	1	Decal, DEF Minimum Refill Volume	

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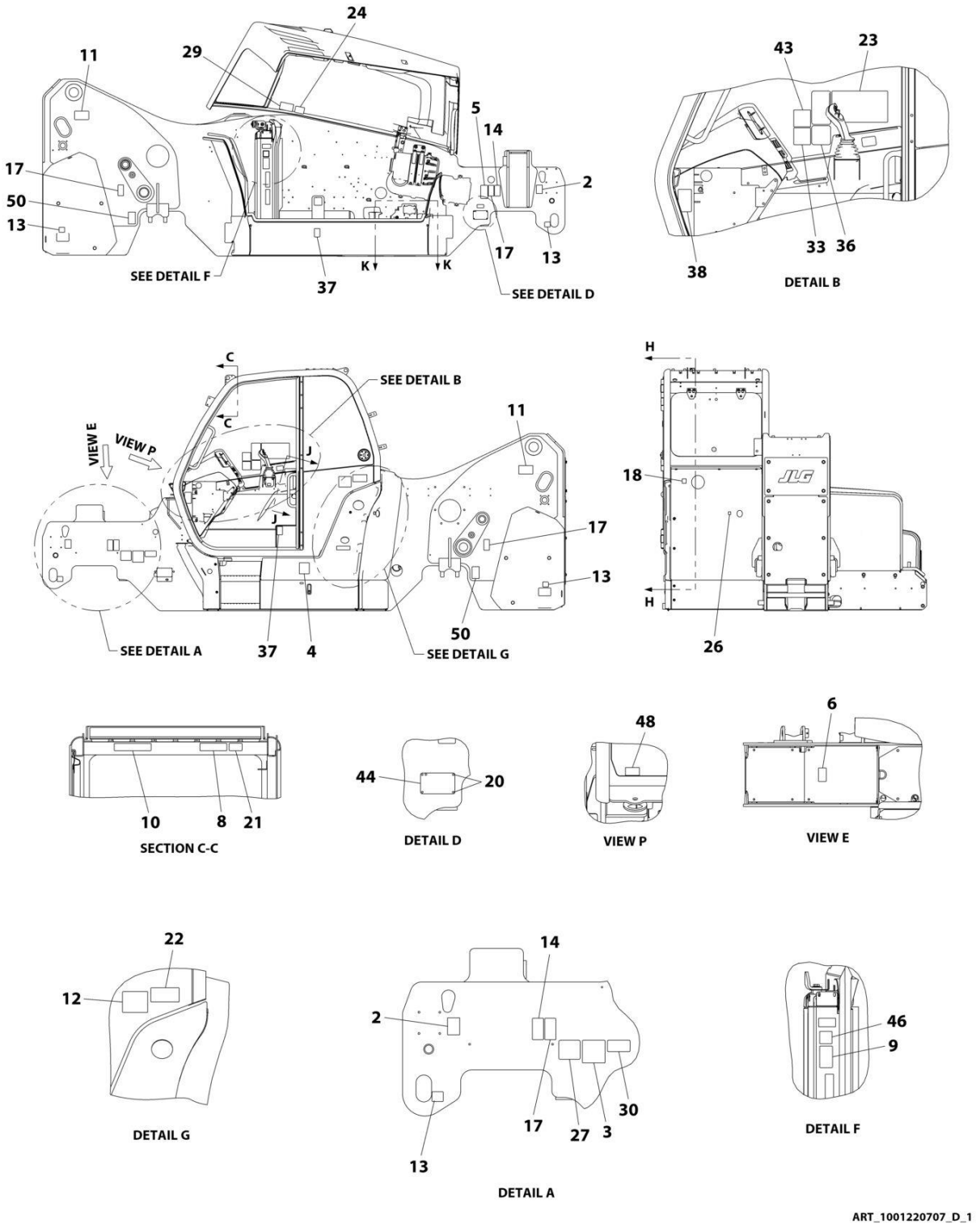
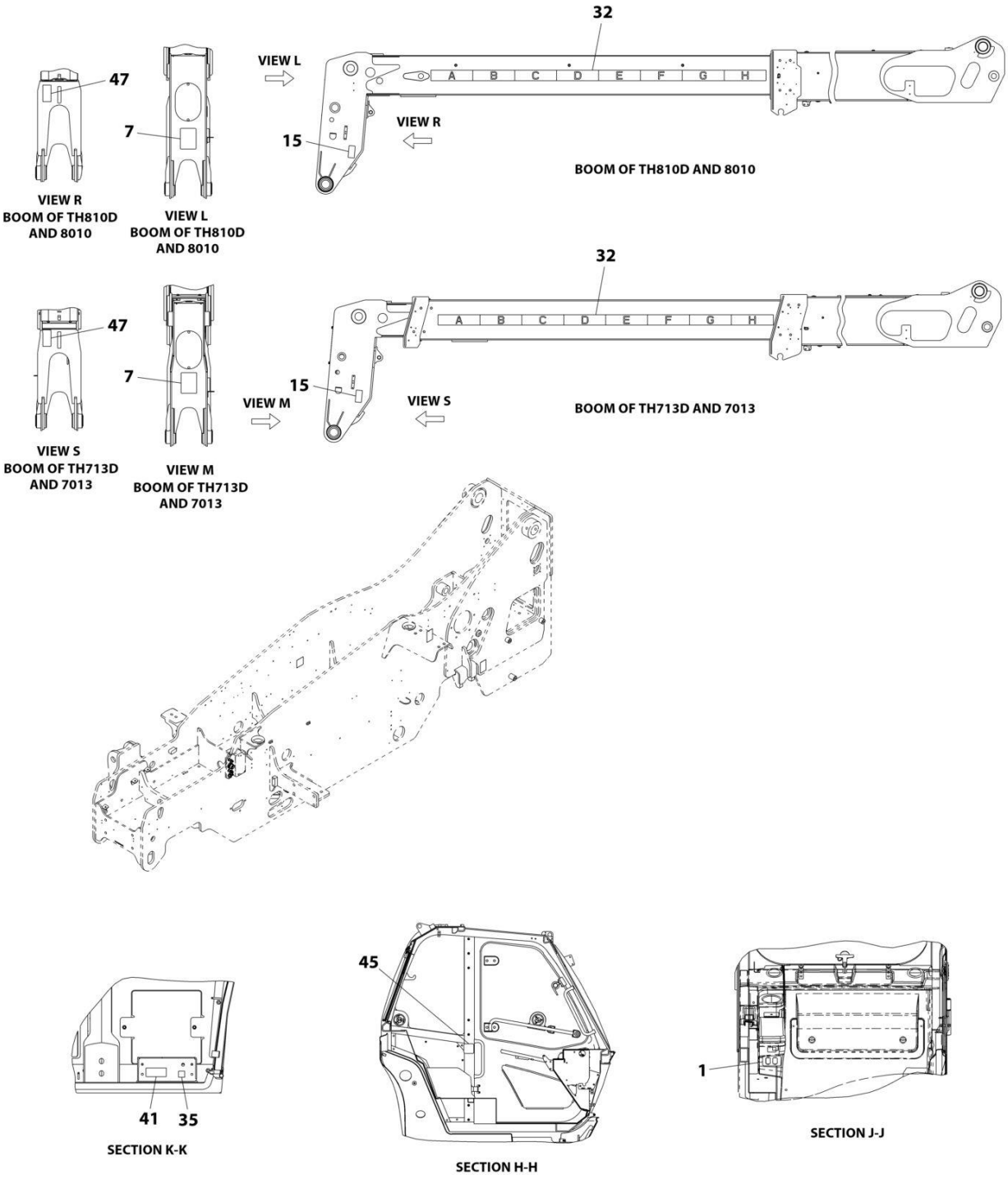
FIGURE 11-3. DECALS INSTALLATION (LS ISO)

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SECTION K-K
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ART_1001220707_D_2

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FIGURE 11-3. DECALS INSTALLATION (LS ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220707	Ref	Decal Installation (LS)	D
1	1670836	1	Cover, Boom	
2	1701500	2	Decal, Lift	
3	See Note	NSS	Decal, Bar Code (Note: Not Available for Purchase)	
4	1705980	1	Decal, Acoustic Power 106db	
5	1706098	1	Decal, Warning Ether Start	
6	1706281	1	Decal, Battery Warning (ISO)	
7	1706282	1	Decal, Carry Personnel (ISO)	
8	1706284	1	Decal, Electrocution Hazard (ISO)	
9	1706285	1	Decal, Moving Parts (ISO)	
10	1706288	1	Decal, Tip Over Warning	
11	1706292	2	Decal, Pinch Point Boom Holes	
12	3251813	1	Decal, USA	
13	4109801	4	Decal, Tie Down Point	
14	8005671	2	Decal, Cylinder Lock Warning	
15	8005675	2	Decal, Watch for Raised Boom Warning	
17	8008657	4	Decal, Set Brake Lever Warning	
18	1001094708	1	Decal, Hydraulic Oil	
20	1001009178	4	Tack, Metal	
21	1001092877	1	Decal, Crush Hazard Warning	
22	1001092878	1	Decal, No Riders	
23	1001101895	1	Decal, Cab Warning	
24	1001109053	1	Decal, Coolant Fill	
26	1001130323	1	Decal, Oil Level	
27	1001131271	1	Decal, Patent Telehandlers USA/Canada	
29	1001139942	1	Decal, Hot Fluid Warning	
30	1001143852	1	Decal, LRC EPA	
32	1001171277	1	Decal, Boom Extend	
33	1001172035	1	Decal, No Weld or Drill	
35	1001184632	1	Decal, Battery Positive	
36	1001188372	1	Decal, Sway	
37	1001189154	2	Decal, Read Operators Manual	
38	1001191229	1	Decal, Fuse Panel	
41	1001195855	1	Decal, Battery Disconnect	
43	1001227287	1	Decal, Manual	
44	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase0	
45	1001214206	1	Decal, Park Brake	
46	AU2105	1	Decal, No Karcher	
47	1001207218	1	Decal, Danger Swinging Load	
48	1001219211	1	Decal, Brake Fluid	
50	1001222650	2	Decal, Axle Lift	

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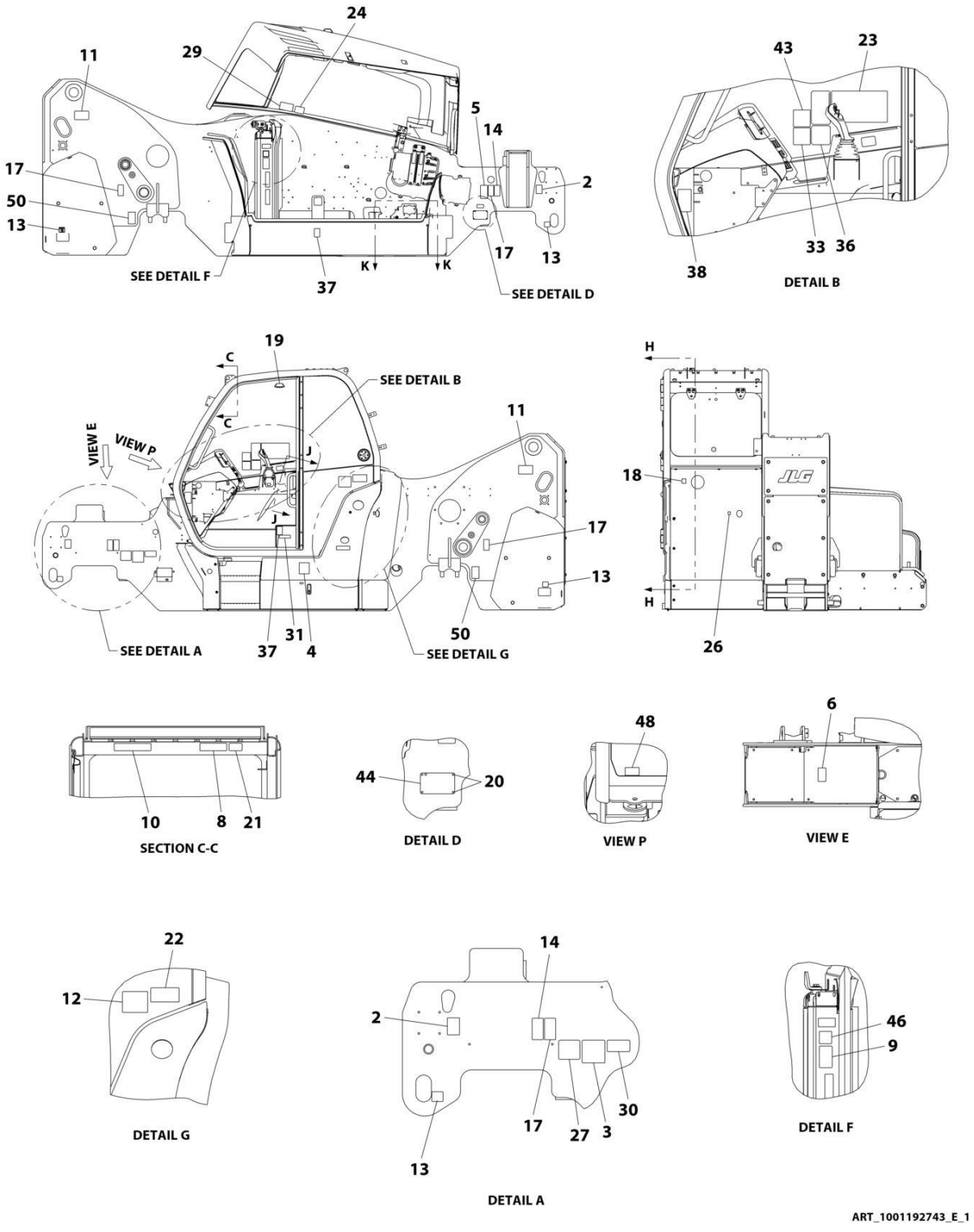
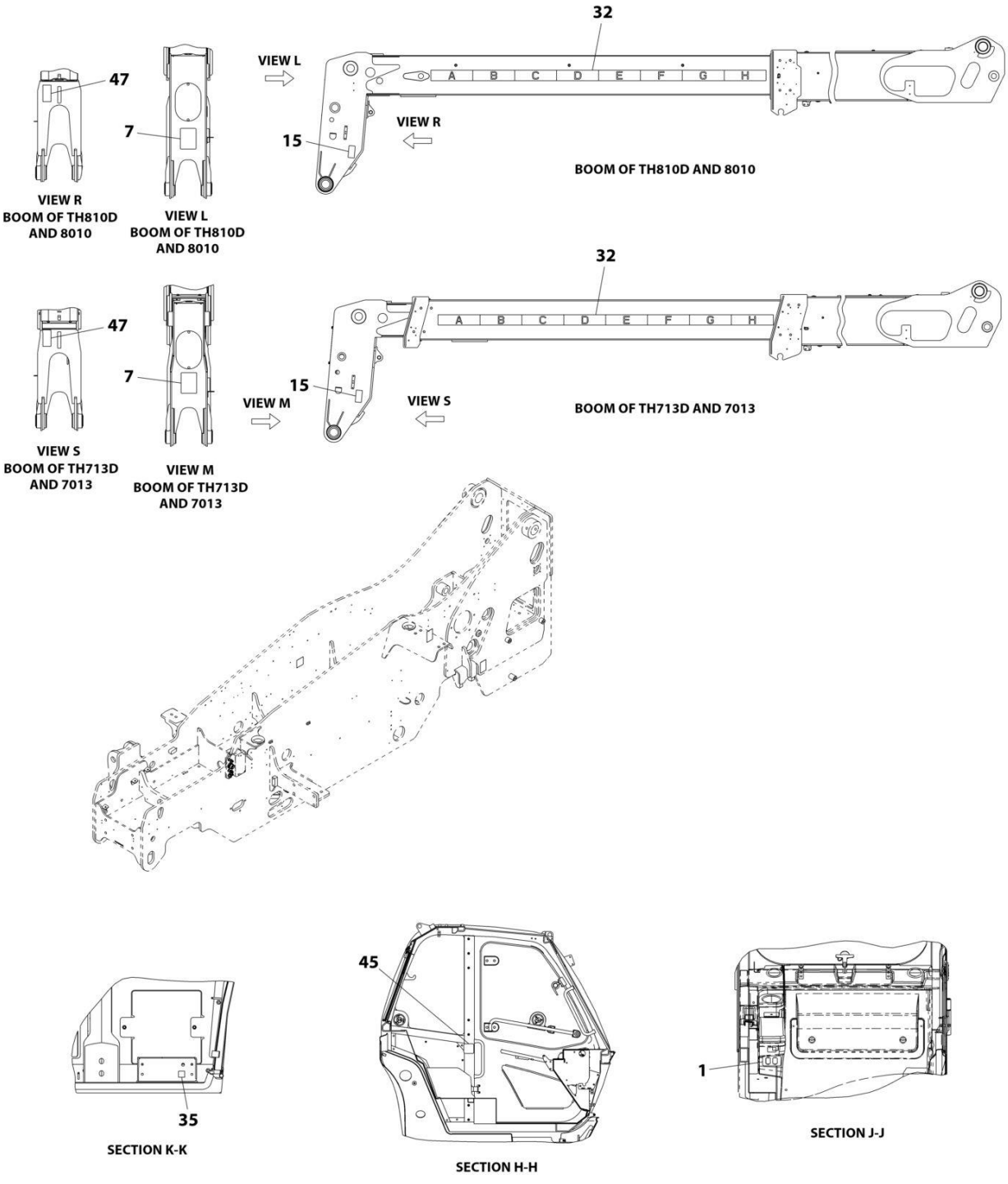
FIGURE 11-4. DECALS INSTALLATION (LS AUS)

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ART_1001192743_E_2

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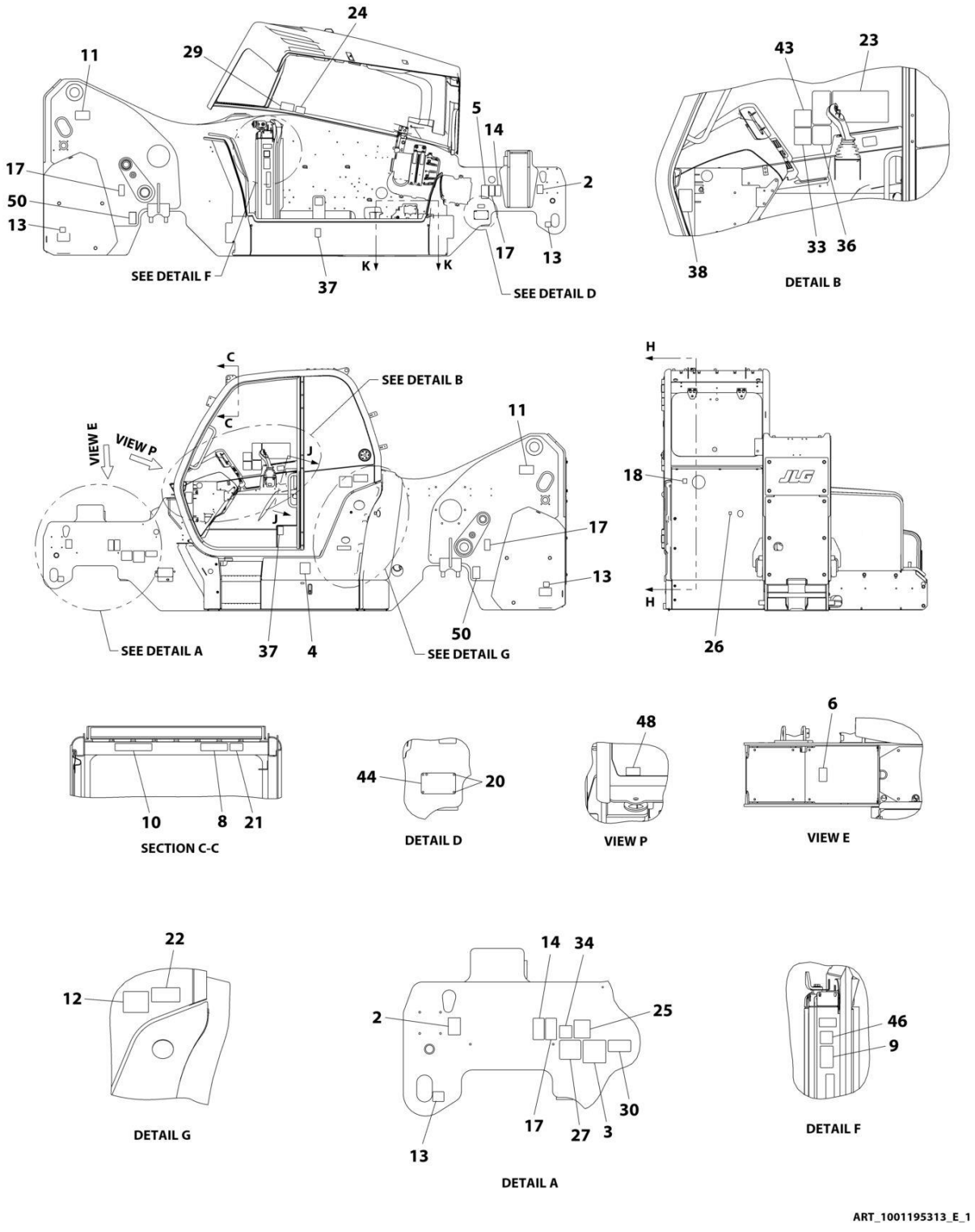
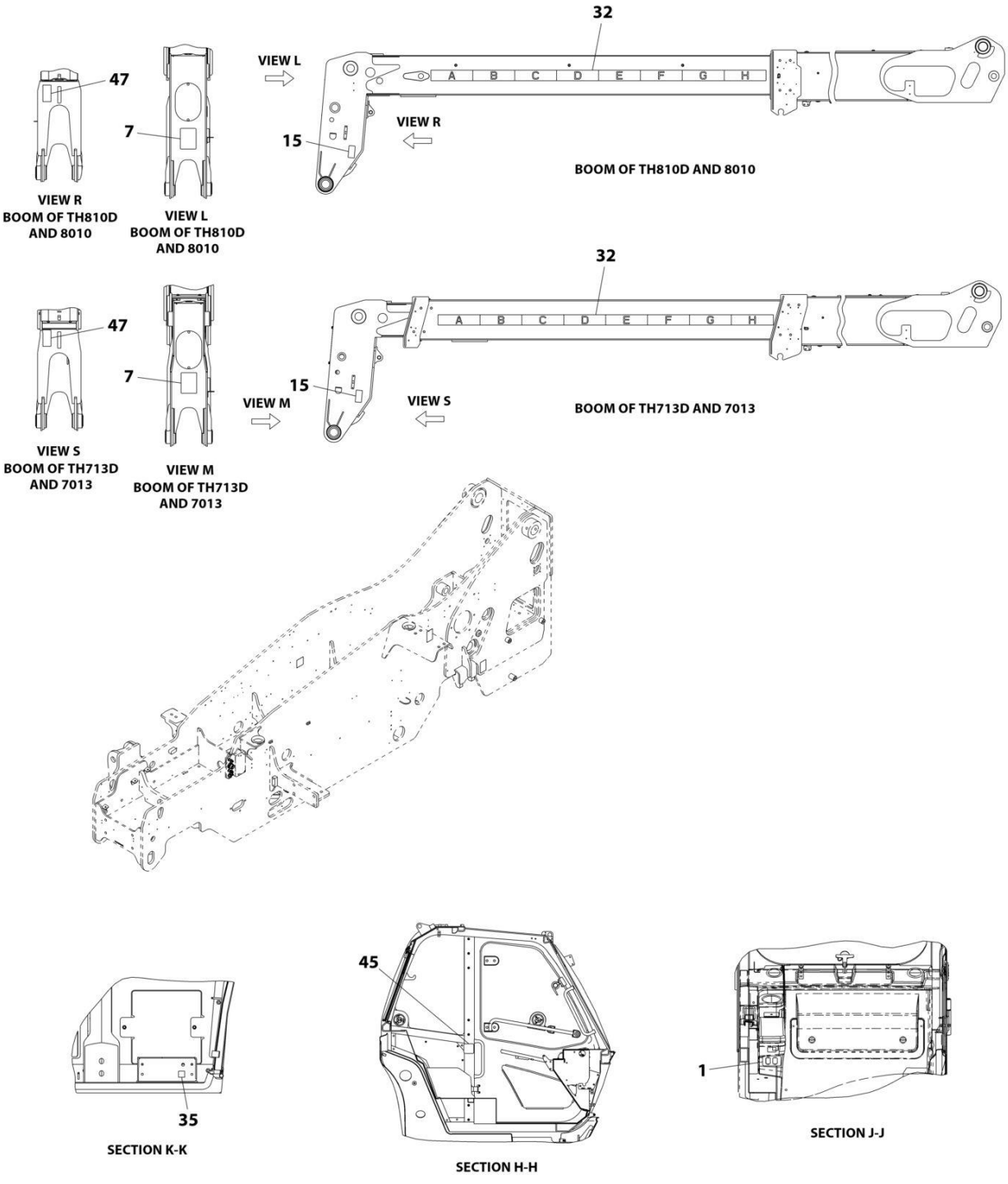
FIGURE 11-4. DECALS INSTALLATION (LS AUS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192743	Ref	Decal Installation (AUS)	E
1	1670836	1	Cover, Boom	
2	1701500	2	Decal, Lift	
3	See Note	NSS	Decal, Bar Code (Note: Not Available for Purchase)	
4	1705980	1	Decal, Acoustic Power 106db	
5	1706098	1	Decal, Warning Ether Start	
6	1706281	1	Decal, Battery Warning (ISO)	
7	1706282	1	Decal, Carry Personnel (ISO)	
8	1706284	1	Decal, Electrocution Hazard (ISO)	
9	1706285	1	Decal, Moving Parts (ISO)	
10	1706288	1	Decal, Tip Over Warning	
11	1706292	2	Decal, Pinch Point Boom Holes	
12	3251813	1	Decal, USA	
13	4109801	4	Decal, Tie Down Point	
14	8005671	2	Decal, Cylinder Lock Warning	
15	8005675	2	Decal, Watch for Raised Boom Warning	
17	8008657	3	Decal, Set Brake Lever Warning	
18	1001094708	1	Decal, Hydraulic Oil	
19	8466306	1	Gauge, Tilt Angle	
20	1001009178	4	Tack, Metal	
21	1001092877	1	Decal, Crush Hazard Warning	
22	1001092878	1	Decal, No Riders	
23	1001101895	1	Decal, Cab Warning	
24	1001109053	1	Decal, Coolant Fill	
26	1001130323	1	Decal, Oil Level	
27	1001131271	1	Decal, Patent	
29	1001139942	1	Decal, Hot Fluid Warning	
30	1001143852	1	Decal, LRC EPA	
31	1001155230	1	Decal, Cab AUS Safety	
32	1001171277	1	Decal, Boom Extend	
33	1001172035	1	Decal, No Weld or Drill	
35	1001184632	1	Decal, Battery Positive	
36	1001188372	1	Decal, Sway	
37	1001189154	2	Decal, Read Operators Manual	
38	1001191229	1	Decal, Fuse Panel	
43	1001227287	1	Decal, Manual	
44	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase0	
45	1001214206	1	Decal, Park Brake	
46	AU2105	1	Decal, No Karcher	
47	1001207218	1	Decal, Danger Swinging Load	
48	1001219211	1	Decal, Brake Fluid	
50	1001222650	2	Decal, Axle Lift	

FIGURE 11-5. DECALS INSTALLATION (LS CIS)

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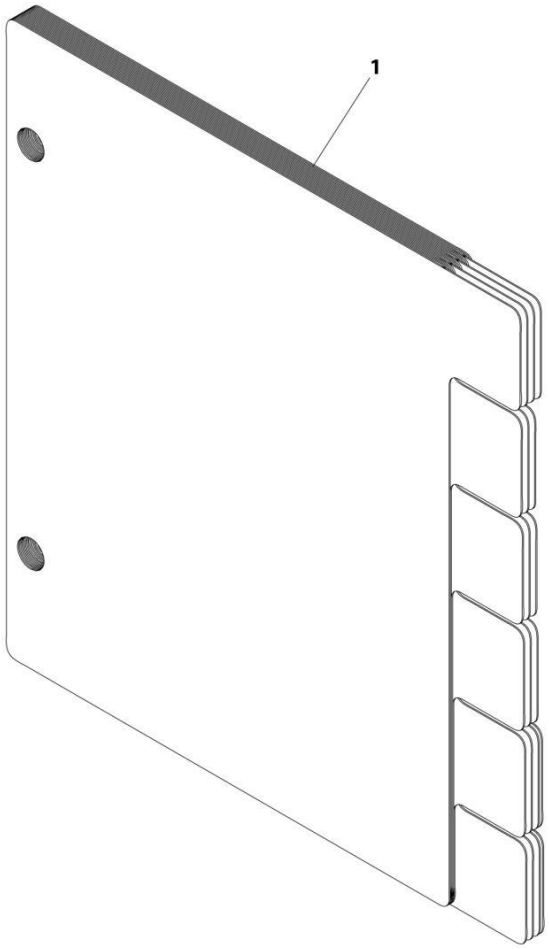
SECTION 11 - DECALS

FIGURE 11-5. DECALS INSTALLATION (LS CIS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195313	Ref	Decal Installation (CIS)	E
1	1670836	1	Cover, Boom	
2	1701500	2	Decal, Lift	
3	See Note	NSS	Decal, Bar Code (Note: Not Available for Purchase)	
4	1705980	1	Decal, Acoustic Power 106db	
5	1706098	1	Decal, Warning Ether Start	
6	1706281	1	Decal, Battery Warning (ISO)	
7	1706282	1	Decal, Carry Personnel (ISO)	
8	1706284	1	Decal, Electrocution Hazard (ISO)	
9	1706285	1	Decal, Moving Parts (ISO)	
10	1706288	1	Decal, Tip Over Warning	
11	1706292	2	Decal, Pinch Point Boom Holes	
12	3251813	1	Decal, USA	
13	4109801	4	Decal, Tie Down Point	
14	8005671	2	Decal, Cylinder Lock Warning	
15	8005675	2	Decal, Watch for Raised Boom Warning	
17	8008657	4	Decal, Set Brake Lever Warning	
18	1001094708	1	Decal, Hydraulic Oil	
20	1001009178	4	Tack, Metal	
21	1001092877	1	Decal, Crush Hazard Warning	
22	1001092878	1	Decal, No Riders	
23	1001101895	1	Decal, Cab Warning	
24	1001109053	1	Decal, Coolant Fill	
25	1001121555	1	Decal, PCT Russia	
26	1001130323	1	Decal, Oil Level	
27	1001131271	1	Decal, Patent	
29	1001139942	1	Decal, Hot Fluid Warning	
30	1001143852	1	Decal, LRC EPA	
32	1001171277	1	Decal, Boom Extend	
33	1001172035	1	Decal, No Weld or Drill	
34	1001173703	1	Decal, EAC	
35	1001184632	1	Decal, Battery Positive	
36	1001188372	1	Decal, Sway	
37	1001189154	2	Decal, Read Operators Manual	
38	1001191229	1	Decal, Fuse Panel	
43	1001227287	1	Decal, Manual	
44	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase0	
45	1001214206	1	Decal, Park Brake	
46	AU2105	1	Decal, No Karcher	
47	1001207218	1	Decal, Danger Swinging Load	
48	1001219211	1	Decal, Brake Fluid	
50	1001222650	2	Decal, Axle Lift	

FIGURE 11-6. CAPACITY CHART (ANSI METRIC) (ULS & LS) (AFRICA, APAC, CIS, JAPAN, LATIN AMERICA MID-EAST SPECS)



ART_1001238106-A

FIGURE 11-6. CAPACITY CHART (ANSI METRIC) (ULS & LS) (AFRICA, APAC, CIS, JAPAN, LATIN AMERICA MID-EAST SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001238106	Ref	Capacity Chart (ISO)	

FIGURE 11-7. CAPACITY CHART HOLDER INSTALLATION

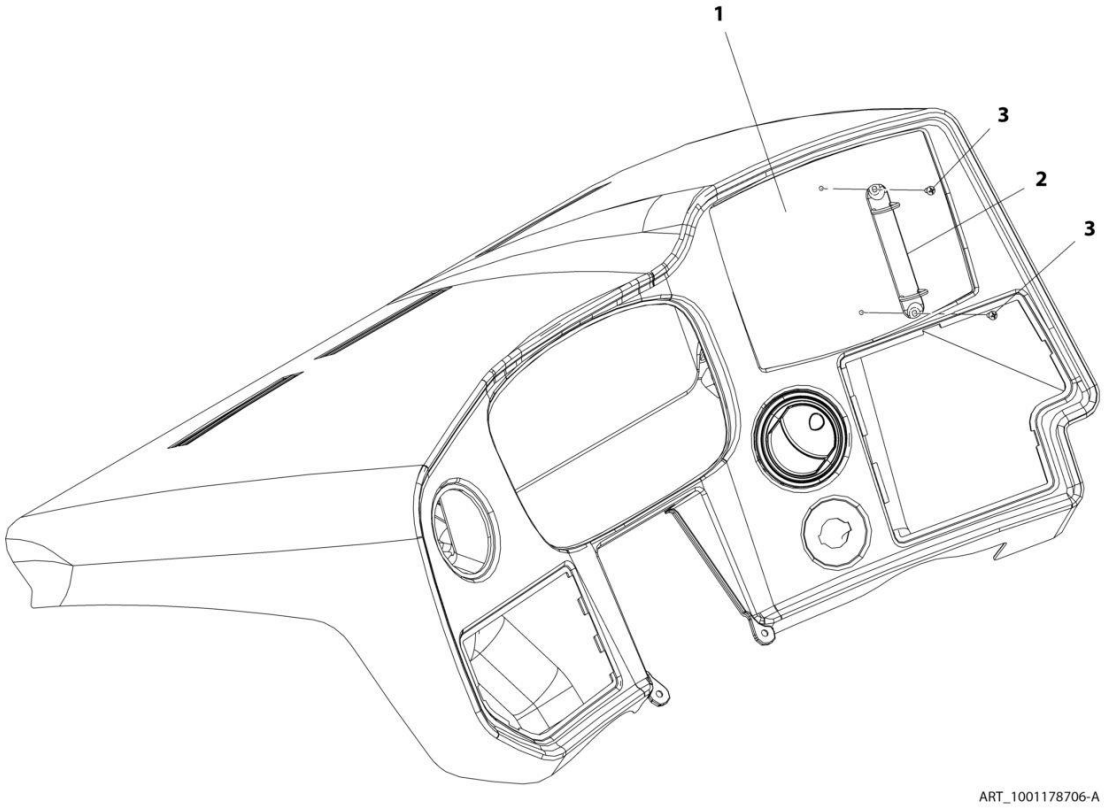


FIGURE 11-7. CAPACITY CHART HOLDER INSTALLATION

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 11-8. CLEARSKY DECAL INSTALLATION

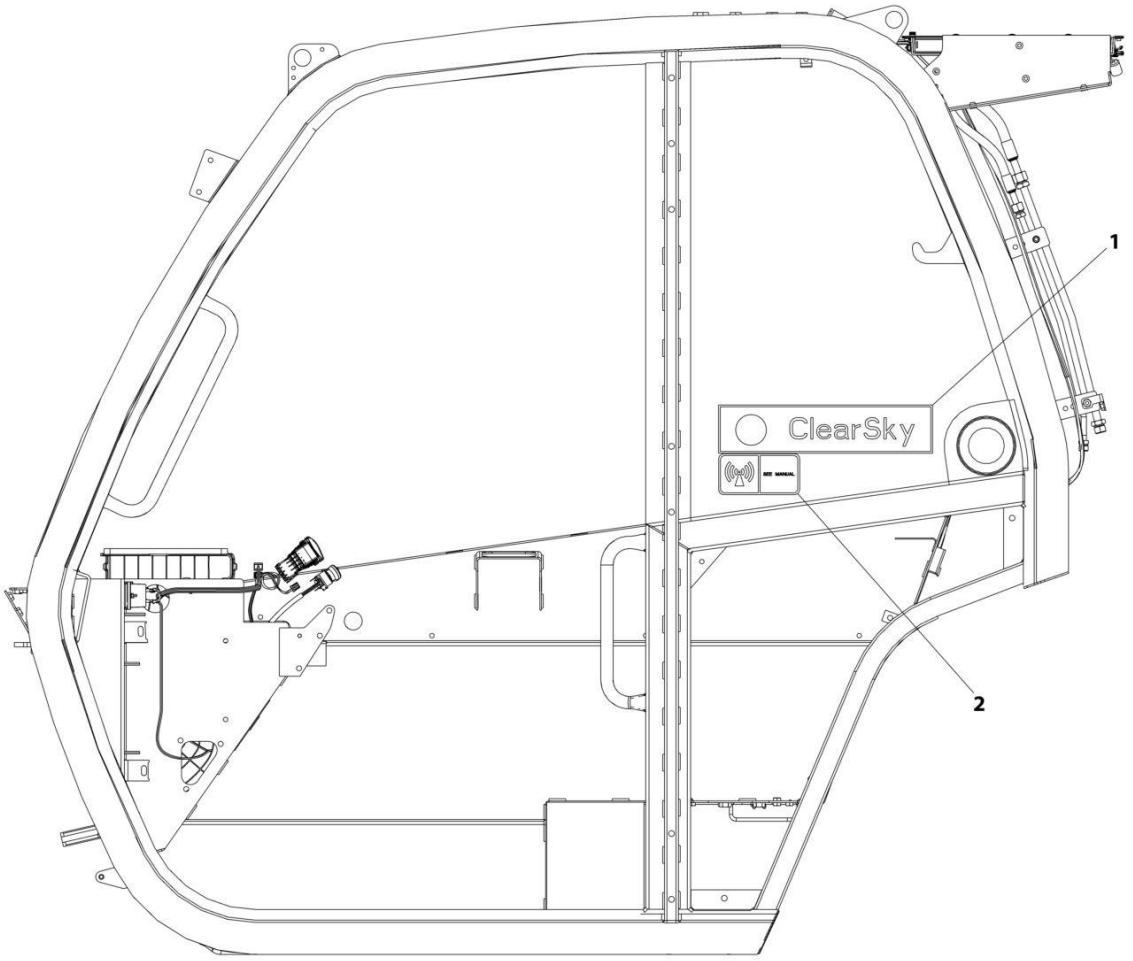


FIGURE 11-8. CLEARSKY DECAL INSTALLATION

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

FIGURE 11-9. REVERSE SENSOR SYSTEM DECAL

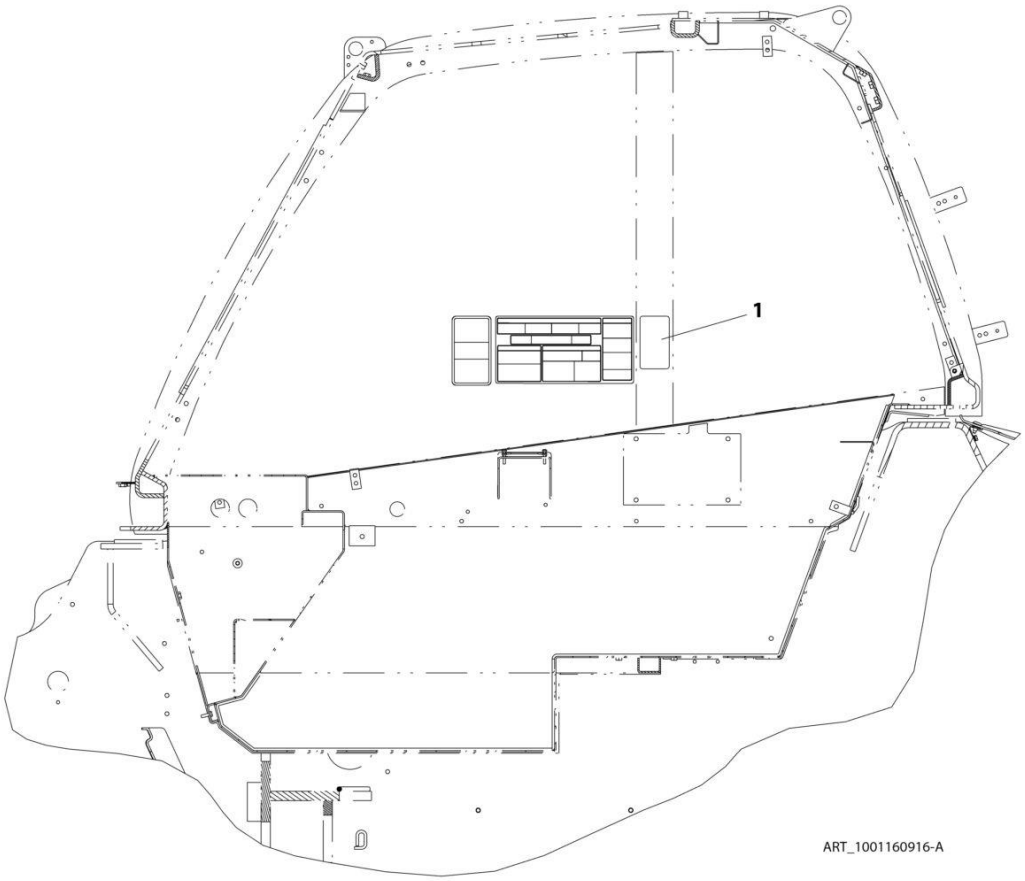


FIGURE 11-9. REVERSE SENSOR SYSTEM DECAL

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

SECTION 12 - RECOMMENDED SPARE PARTS

SECTION 12 - RECOMMENDED SPARE PARTS

FIGURE 12-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
		Ref	STANDARD PARTS	
	70002963	1 1	Coil	
	70004595	1 1	Coil	
	70020764	1 1	Coil	
	70026582	1 1	Coil	
	70028281	1 1	Coil	
	1001191685	1 1	Element, Filter	
	70004512	1 1	Element, Fuel Filter (Secondary)	
	1001141461	1 1	Filter	
	1001228872	1 1	Filter	
	1001162662	1 1	Filter, Breather	
	70025850	1 1	Filter, Cylindrical Air Primary	
	70025851	1 1	Filter, Cylindrical Air Secondary	
	7016331	1 1	Filter, Oil	
	1001131177	2 2	Fuse	
	8229242	2 2	Fuse, 5AMP	
	8229261	2 2	Fuse, 5AMP	
	80983191	2 2	Fuse, 10AMP	
	8229234	2 2	Fuse, 10AMP	
	8229244	2 2	Fuse, 15AMP	
	8229235	2 2	Fuse, 20AMP	
	8229247	2 2	Fuse, 25AMP	
	8229245	2 2	Fuse, 30AMP	
	70026292	2 2	Fuse, 35AMP	
	70026295	2 2	Fuse, 35AMP	
	70026294	2 2	Fuse, 70AMP	
	70026297	2 2	Fuse, 80AMP	
	1001095336	2 2	Fuse, 150AMP	
	70026296	2 2	Fuse, 200AMP	
	70022765	1 1	Key, Ignition (set of 2)	
	70028514	1 1	Kit, Solenoid 12V	
	1001117308	1 1	Relay	
	70022726	1 1	Solenoid	
	1001080375	1 1	Switch	
	1001102502	1 1	Switch, 4 Position Key	
	1001104654	1 1	Switch, Aux Decomp	
	1001159746	1 1	Switch, Aux Electric	
	1001159738	1 1	Switch, Beacon	
	4360658	1 1	Switch, Brake Light	
	1001159745	1 1	Switch, Boom Ride	
	1001159741	1 1	Switch, Constant AUX	
	70025486	1 1	Switch, Contact	
	1001192142	1 1	Switch, Disconnect	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4360475	1 1	Switch, E-Stop	
	1001159734	1 1	Switch, Hazard	
	1001080978	1 1	Switch, Lift/Loader	
	1001163639	1 1	Switch, Light	
	1001159735	1 1	Switch, Rear Wiper	
	1001159736	1 1	Switch, Roof Wiper	
	1001159849	1 1	Switch, Steer Mode	
	1001256974	1 1	Switch, Turn-Wiper	
		Ref	VARIABLE PARTS	
	1001203181	1 1	Accessory, Control (USL & LS ASOV)	
	1001250476	1 1	Attachment Recognition Receiver (EU) (AUS & CE Specs)	
	1001250475	1 1	Attachment Recognition Receiver (FCC) (Except AUS & CE Specs)	
	1001162253	1 1	Control, Front Frame Module	
	1001162256	1 1	Control, Rear Frame Module	
	1001249078	1 1	Control, Voltage	
	70025153	1 1	Element, Fuel Filter (Primary) (ULS)	
	70005549	1 1	Filter, DEF (ULS)	
	70026293	1 2	Fuse, 50AMP (Option 1 Electrical Board)	
	1001172551	1 1	HVAC Cab Actuator	
	1001222603	1 1	Joystick (Not 2 Speed)	
	1001222606	1 1	Joystick, 2R2B (2 Speed)	
	1001172550	1 1	Knob, HVAC Control (Heater and A/C)	
	2940074	1 1	Latch (Fork Mounted Basket)	
	1001257348	1 1	Lever, FNR (0 Speed)	
	1001257088	1 1	Lever, FNR (2 Speed)	
	1001239194	1 1	Module (ClearSky CANBUS)	
	1001233236	1 1	Module, 3W TCU (ClearSky 3-Wire)	
	1001162249	1 1	Module, Cab Control	
	70027426	1 1	Module, EGR (ULS)	
	70005495	1 1	Module, Engine Control (ULS)	
	1001179901	1 1	Module, LMIS Control	
	70027986	1 1	Optical Sensor (Axles)	
	70025539	1 1	Pad, Sensor (Upper Seat)	
	3740080	1 1	Relay (Cooling Package ULS & LS ASOV)	
	70025780	1 1	Relay (ULS)	
	1001183024	1 1	Sensor (Boom Retract)	
	1001128478	1 1	Sensor (Hydrostatic Motor/Tank)	
	70005522	1 1	Sensor (ULS)	
	70005524	1 1	Sensor (ULS)	
	70028383	1 1	Sensor, Angle (Brake)	
	1001099717	1 1	Sensor, Boom Angle (LMIS)	
	4000015	1 1	Sensor, Boom Angle (No LMIS)	
	1001223903	1 1	Sensor, Boom Length	
	1001138827	1 1	Sensor, Coolant Level	
	70024918	1 1	Sensor, Coolant Temperature (ULS & LS)	
	1001188728	1 1	Sensor, HVAC Thermostat	
	1001162885	1 1	Sensor, LMIS	
	1001160730	1 1	Sensor, LSI	
	70024504	1 1	Sensor, Oil Pressure (ULS & LS)	
	1001147340	1 1	Sensor, Pressure (Frame Hydraulic)	
	70005504	1 1	Sensor, Pressure (ULS & LS)	

SECTION 12 - RECOMMENDED SPARE PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70024507	1 1	Sensor, Pressure (ULS & LS)	
	70005523	1 1	Sensor, Pressure (ULS)	
	1001247421	1 1	Sensor, Reverse	
	70028801	1 1	Sensor, Speed	
	70026210	1 1	Sensor, Speed (ULS)	
	70027405	1 1	Sensor, Temperature (ULS & LS)	
	70005556	1 1	Sensor, Temperature (ULS)	
	70005559	1 1	Sensor, Temperature (ULS)	
	70024505	1 1	Sensor, Temperature (ULS)	
	1001163095	1 1	Sensor, Tilt	
	70025737	1 1	Sensor, Wheel (ULS & LS)	
	1001215941	1 1	Switch (Cooling Package ULS & LS ASOV)	
	70028326	1 1	Switch (Premium Air Suspension Seat)	
	1001145204	1 1	Switch (Reversing Cooling Fan)	
	1001159739	1 1	Switch, Boom Worklights	
	1001159737	1 1	Switch, Fog Lights	
	1001189876	1 1	Switch, Frame Level (LS)	
	1001212470	1 1	Switch, Frame Level (ULS)	
	1001159845	1 1	Switch, Front Worklights	
	70024107	1 1	Switch, Heater (Premium Air Suspension Seat)	
	1001160326	1 1	Switch, HVAC On/Off (Heater and A/C)	
	1001159925	1 1	Switch, HVAC Recycle (Heater and A/C)	
	1001172547	1 1	Switch, HVAC Rotary 3 Speed (Heater and A/C)	
	1001159742	1 1	Switch, LSI Override	
	1001159846	1 1	Switch, Rear Worklights	
	1001159743	1 1	Switch, Road Use	

SECTION 13 - SPECIAL OPTIONS

SECTION 13 - SPECIAL OPTIONS

FIGURE 13-1. SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		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	
	1001233189	Ref	Air Shutoff Valve (ASOV) Kit	
	1001229072	Ref	Boom Kit - 1732/8010H	
	1001229213	Ref	Boom Brushes Kit - 1732/8010H	
	1001231057	Ref	Boom Prop Kit	
	1001229074	Ref	Boom Wear Pad Kit - 1732/8010H	
	1001213286	Ref	Cab Display Kit	
	1001199382	Ref	Cab Guard Kit - Roof/Front Combo	
	1001212845	Ref	Cab Guard Kit - Front	
	1001199380	Ref	Cab Guard Kit - Roof	
	1001268341	Ref	Camera (Rear View) Add-on Kit(Dealer Installed)	
	1001229811	Ref	Camera Kit - Reverse Camera	
	1001229532	Ref	Cold Weather Kit - 115V	
	1001229813	Ref	Cold Weather Kit - 230V	
	1001245694	Ref	DEF Tank/Heater Service Kit	
	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	Emergency Stop Switch Kit - External	
	1001229812	Ref	Engine Block Heater Kit - 115V	
	1001230125	Ref	Engine Block Heater Kit - 230V	
	1001229576	Ref	Fender Kit	
	1001258099	Ref	Fire Extinguisher Installation	
	1001239961	Ref	Fire Extinguisher Kit	
	1001230126	Ref	Heat to Heat/AC Upgrade Kit	
	1001230188	Ref	Light Kit - Beacon/Strobe (LED)	
	1001199376	Ref	Light Kit - Beacon/Strobe	
	1001231110	Ref	Light Kit - Drive/Road Lights (RH)	
	1001231138	Ref	Light Kit - Drive/Road Lights (LED) (RH)	
	1001229104	Ref	Light Kit - Work Lights	
	1001230699	Ref	Radio Ready Kit	
	1001252304	Ref	Reversing Sensing Kit (PVC2005)	
	1001199328	Ref	Roof Wiper Kit	
	1001228993	Ref	Service Kits	G
	1001229216	Ref	Telematics Kit (Long Roof) (NA)	
	1001229324	Ref	Telematics Kit (Short Roof) (NA)	
	1001265372	Ref	Telematics Kit - Canbus (NA)	
	1001254390	Ref	Telematics Kit - Canbus (CE)	
	1001254400	Ref	Telematics Kit - Canbus Extension	
		Ref	Tools:	
	1001249695	Ref	Analyzer and Cable Kit	
	1001249941	Ref	Analyzer and Cable Kit (Battery Powered)	
	7002821	Ref	Crimper (For Wire to Pin/Socket Connections)	
	7002823	Ref	Extractor (For Removal of Pin/Socket from Connectors)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8896941	Ref	Wire Stripper	
	7004275	Ref	Seal Tool 1" (For Cylinders)	
	7004276	Ref	Seal Tool 1 1/2" (For Cylinders)	
	7002826	Ref	Seal Tool 2" (For Cylinders)	
	1001262959	Ref	Voltage Regulator Add-on Kit (Dealer Installed)	
	1001214167	Ref	Window (Rear) Release Kit	

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