SKYTRAK®

Illustrated Parts Manual

Model 10054

PVC
2311

P/N
31222440
April 8, 2024 - Rev B

JLG®
An Oshkosh Corporation Company

EFFECTIVITY PAGE

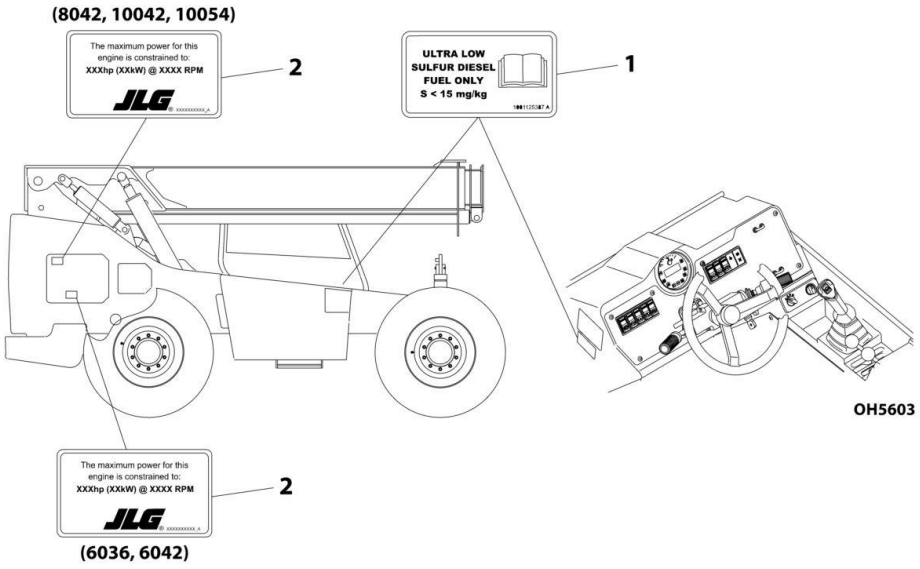
November 1, 2023 - A - Original Issue of Manual (Edited to B/M 1001169972 Revision BJ)
April 8, 2024 - B - Revised Manual (Edited to B/M 1001169972 Revision BK)

Machine Configuration

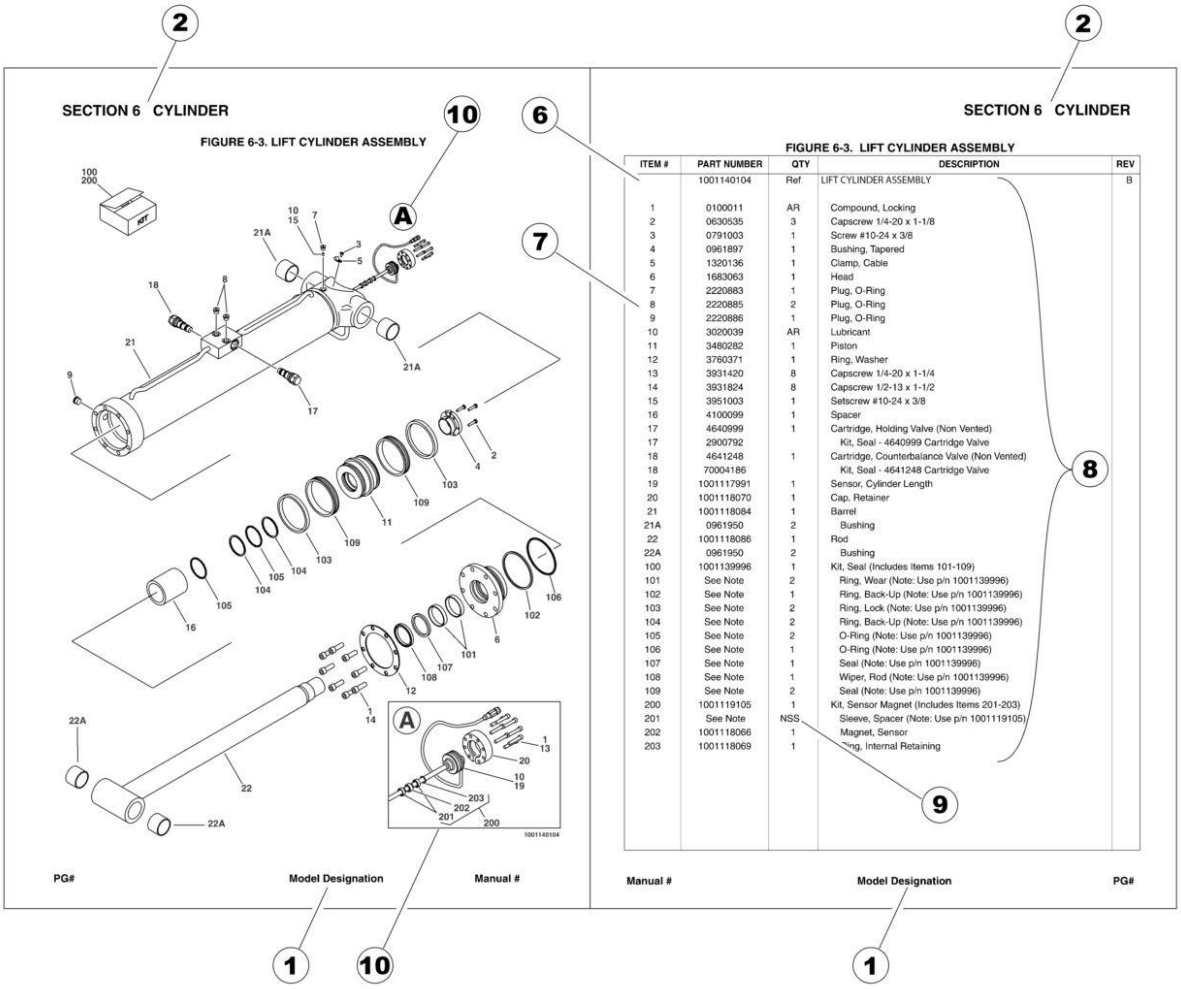
Two configurations of each machine are included in this manual. Determine if machine is equipped with Ultra Sulfer Fuel Decal (1) as indicated below.

- **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.**

Engine horsepower can be found on the decals (2) located inside the engine compartment doors.



GENERAL INFORMATION



1) MACHINE IDENTIFICATION

Machines are identified by model and in some cases a combination of models, serial number (SN) or regional standard (i.e ANSI, CE,CSA). Components may also be identified by SN or manufacturer. Common components that may be identified by these characteristics are engines and hydraulic components.

2) PARTS MANUAL ORGANIZATION

Product information in this manual is organized under section titles. Frame, Cylinder, Hydraulic and Electrical are a few examples. Each section is organized by figure and page number. The information within the Figure is then organized by item number, part number, description and corresponding illustration (s).

3) TABLE OF CONTENTS (NOT SHOWN)

A table of contents is found toward the beginning of the manual. Figure number, description and page number are provided for quick reference to the page containing the related information.

4) RECOMMENDED SPARE PARTS (NOT SHOWN)

The Recommended Spare Parts List, located near the end of the manual, reference most frequently used maintenance parts.

5) PART NUMBER INDEX (NOT SHOWN)

A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

GENERAL INFORMATION

6) NON-SERVICED PARTS

In some instances, it is necessary to display non-serviced parts, assemblies or installations. In the case of assemblies and installations there will be a Ref in the Qty. column. In case of parts that are not available for service within assemblies or components, there will be a NSS (Not Sold Separately) or NLA (No Longer Available) listed in the Qty. column of the manual.

7) PARTS LIST ITEM NUMBERS

Numbers shown in the item# column correspond to numbers used in the associated illustration (s). Item numbers which are missing from the sequence in the parts list are not used on that page.

8) INDENTED PARTS DESCRIPTION

An indented part description is included in the item under which it is indented.

9) ABBREVIATION AND SYMBOLS

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

10) ILLUSTRATION REFERANCE LETTERS

When necessary, illustrations may contain reference letters that are intended to track information (i. e. hoses, harnesses) from one point to another or to track visual enlargement of components to show details that may be located in another area on the illustration.

Note: Due to continuous product improvements, JLG Industries, Inc. reserves the right to make specification changes without prior notification. Contact JLG Industries, Inc. for updated information.

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SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. FRAME COMPONENTS INSTALLATION (74HP ULS)

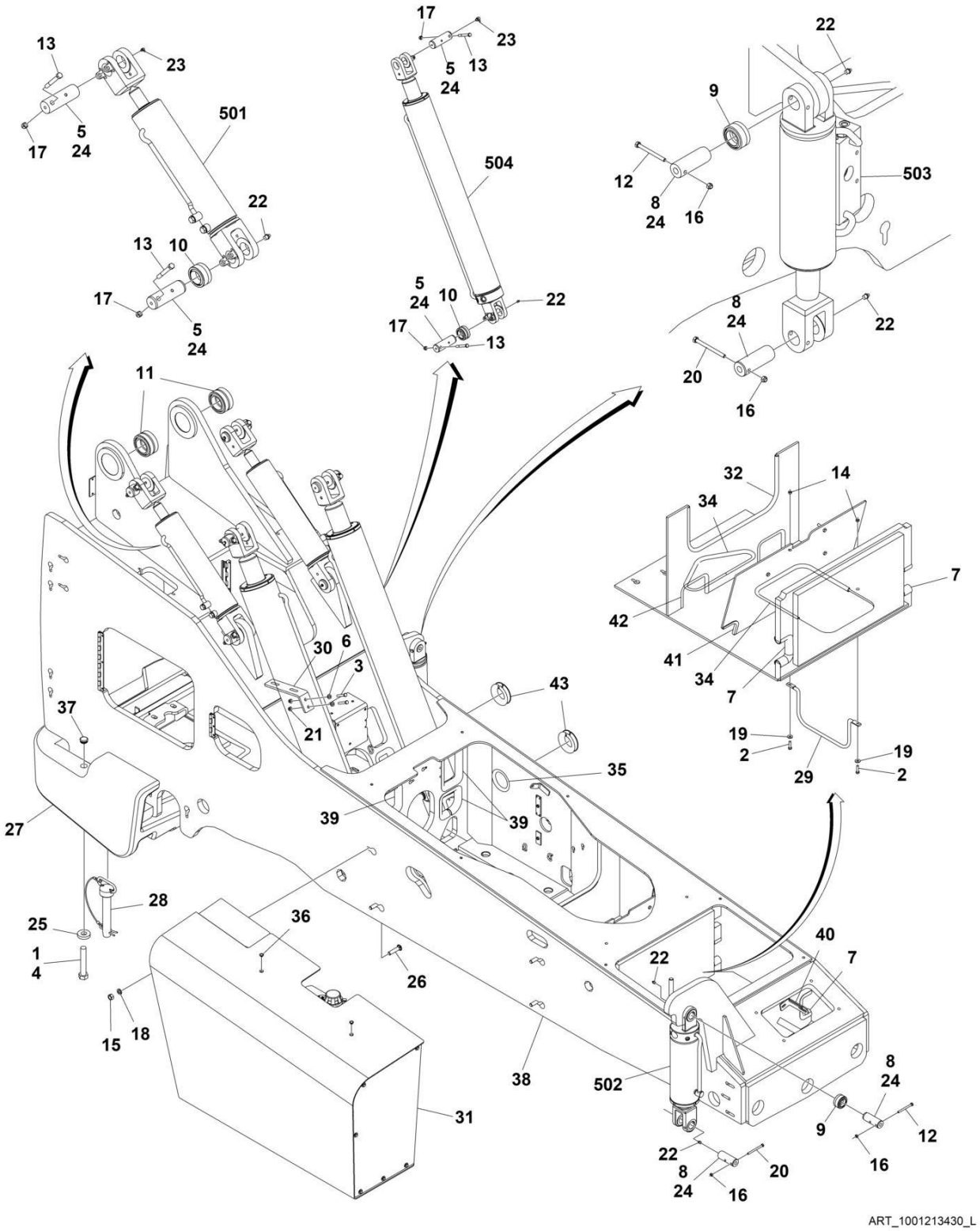

FIGURE 1-1. FRAME COMPONENTS INSTALLATION (74HP ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213430	Ref	Frame Components Installation, 74HP ULS	L
1	0100019	AR	Compound, Locking	
2	0641510	2	Bolt, 5/16 X 1	
3	0641618	2	Bolt, 3/8 X 2-1/4	
4	0682648	4	Bolt, 1 X 6	
5	3423227	8	Pin, Cylinder	
6	4891600	2	Washer, 3/8	
7	7124451	4	Conduit, 1X8	
8	7137142	4	Pin, Cylinder	
9	8050001	2	Bearing, Self-Align	
10	8065640	4	Bearing, Self-Align	
11	8065641	2	Bearing, Self-Align	
12	8303752	2	Bolt, 5/16 X 3-1/2	
13	8303782	8	Bolt, 1/2 X 4	
14	8305006	2	Nut 5/16	
15	8305014	4	Nut 5/8	
16	8305626	4	Nut 5/16	
17	8305644	8	Nut 1/2	
18	8307009	4	Washer 5/8	
19	8307203	2	Washer 5/16	
20	8310039	2	Bolt 5/16 X 3-3/4	
21	8310522	2	Nut 3/8	
22	8520001	1	Fitting, Straight	
23	8520003	4	Fitting, 90	
24	8522012	AR	Lube, Anti-Seize	
25	80241137	4	Washer	
26	88411148	4	Bolt 5/8 X 2-3/4	
27	1001208664	NLA	Counterweight, Rear	
28	1001160250	1	Pin, Hitch	
29	1001165057	1	Bracket, Cab Hose	
30	1001166238	1	Bracket, Air Filter	
30	1001227211	Ref	Fuel/Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
32	1001172658	1	Conduit, 1/2X41	
34	1001177190	2	Conduit, 1/2X28	
35	1001177192	1	Conduit, 1/2X12-1/2	
36	1001195826	2	Plug, 1/2	
37	1001195952	2	Plug, Tube	
38	1001201554	NLA	Weldment, Frame	
39	1001174227	7	Conduit, 1X21-1/2	
40	4060804	4 in	Flex-Trim	
41	4060805	6 in	Flex-Trim	
42	7124301	2	Conduit, 1/2X15-1/2	
43	7124471	2	Conduit, 1X12-1/2	
500	1001201693	Ref	Cylinder Kit (Not Shown)	G
501	2714973	2	Cylinder, Compensation (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
502	1001180762	1	Cylinder, Frame Level (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

SECTION 1 - FRAME AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
503	2717198	1	Cylinder, Stabil-Trak (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
504	1001296322	2	Cylinder, Lift (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. FRAME COMPONENTS INSTALLATION (110HP ULS)

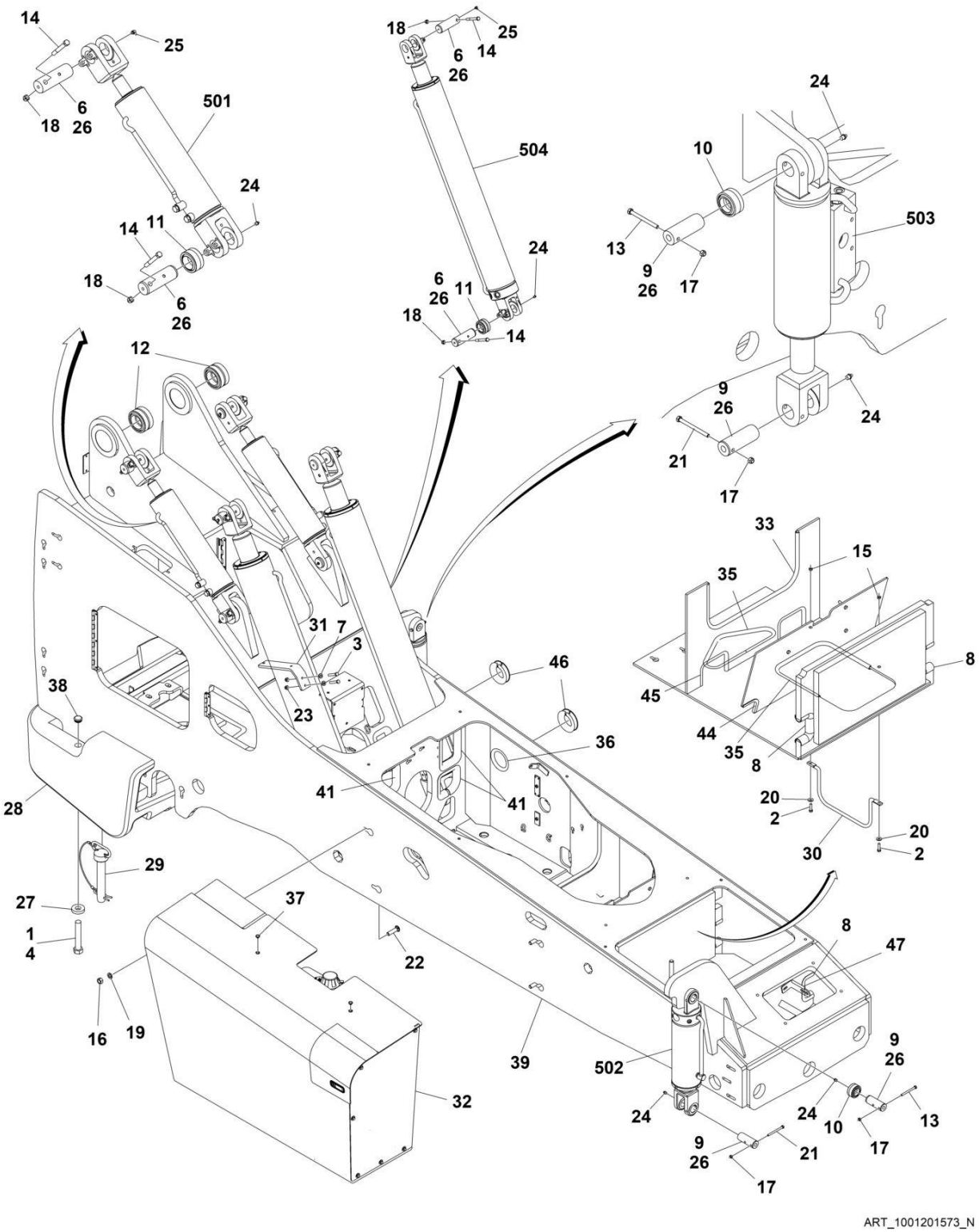

FIGURE 1-2. FRAME COMPONENTS INSTALLATION (110HP ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201573	Ref	Frame Components Installation, 110HP ULS	N
1	0100019	AR	Compound, Locking	
2	0641510	2	Bolt, 5/16 X 1	
3	0641618	2	Bolt, 3/8 x 2-1/4	
4	0682648	4	Bolt, 1 -8X6	
6	3423227	8	Pin, Cylinder	
7	4891600	2	Washer, 3/8	
8	7124451	4	Conduit, 1X8	
9	7137142	4	Pin, Cylinder	
10	8050001	2	Bearing, Self-Align	
11	8065640	4	Bearing, Self-Align	
12	8065641	2	Bearing, Self-Align	
13	8303752	2	Bolt, 5/16 X 3-1/2	
14	8303782	8	Bolt, 1/2 X 4	
15	8305006	2	Nut 5/16	
16	8305014	4	Nut 5/8	
17	8305626	4	Nut 5/16	
18	8305644	8	Nut 1/2	
19	8307009	4	Washer 5/8	
20	8307203	2	Washer 5/16	
21	8310039	2	Bolt 5/16 X 3-3/4	
22	88411148	4	Bolt 5/8 X 2-3/4	
23	8310522	2	Nut 3/8	
24	8520001	8	Fitting, Straight	
25	8520003	4	Fitting, 90	
26	8522012	AR	Lube, Anti-Seize	
27	80241137	4	Washer	
28	1001208664	NLA	Counterweight, Rear	
29	1001160250	1	Pin, Hitch	
30	1001165057	1	Bracket, Cab Hose	
31	1001166238	1	Bracket, Air Filter	
32	1001169329	1	Installation, Hydraulic/Fuel/DEF Tank (See Separate Breakdown in this Section)	
33	1001172658	1	Conduit, 1/2X41	
35	1001177190	2	Conduit, 1/2X28	
36	1001177192	1	Conduit, 1/2X12-1/2	
37	1001195826	2	Plug, 1/2	
38	1001195952	2	Plug, Tube	
39	1001201554	NLA	Weldment, Frame	
41	1001174227	7	Conduit, 1X21-1/2	
44	4060805	6 in	Flex-Trim	
45	7124301	2	Conduit, 1/2X15-1/2	
46	7124471	2	Conduit, 1X12.5	
47	4060804	4 in	Flex-Trim	
500	1001201693	Ref	Cylinder Kit (Not Shown)	G
501	2714973	2	Cylinder, Compensation (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
502	1001180762	1	Cylinder, Frame Level (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

SECTION 1 - FRAME AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
503	2717198	1	Cylinder, Stabil-Trak (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
504	1001296322	2	Cylinder, Lift (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. FRAME COMPONENTS INSTALLATION (110HP LS)

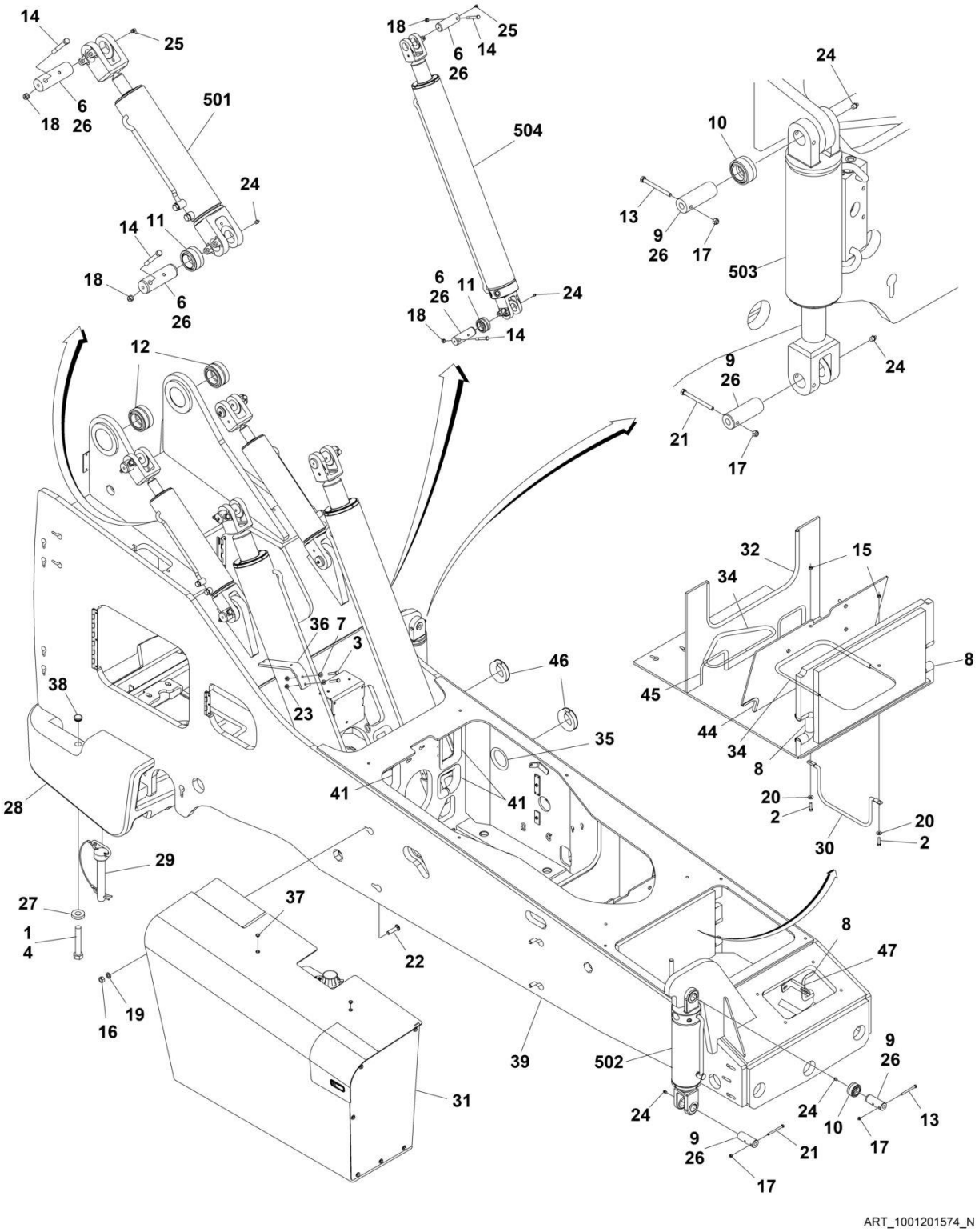

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FIGURE 1-3. FRAME COMPONENTS INSTALLATION (110HP LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201574	Ref	Frame Components Installation - 10054 LS	N
1	0100019	AR	Compound, Locking	
2	0641510	2	Bolt 5/16 X 1	
3	0641618	2	Bolt 3/8 X 2-1/4	
4	0682648	4	Bolt, 1 X 6	
6	3423227	8	Pin, Cylinder	
7	4891600	2	Washer, 3/8	
8	7124451	4	Conduit, 1X8	
9	7137142	4	Pin, Cylinder	
10	8050001	2	Bearing, Self-Align	
11	8065640	4	Bearing, Self-Align	
12	8065641	2	Bearing, Self-Align	
13	8303752	2	Bolt 5/16 X 3-1/2	
14	8303782	8	Bolt 1/2 X 4	
15	8305006	2	Nut 5/16	
16	8305014	4	Nut 5/8	
17	8305626	4	Nut 5/16	
18	8305644	8	Nut 1/2	
19	8307009	4	Washer 5/8	
20	8307203	2	Washer 5/16	
21	8310039	2	Bolt 5/16 X 3-3/4	
22	88411148	4	Bolt 5/8 X 2-3/4	
23	8310522	2	Nut 3/8	
24	8520001	8	Fitting, Straight	
25	8520003	4	Fitting, 90	
26	8522012	AR	Lube, Anti-Seize	
27	80241137	4	Washer	
28	1001208664	NLA	Counterweight, Rear	
29	1001160250	1	Pin, Hitch	
30	1001165057	1	Bracket, Cab Hose	
31	1001169466	1	Weldment, Fuel/Hydraulic/DEF Tank (See Separate Breakdown in this Section)	
32	1001172658	1	Conduit, 1/2X41	
34	1001177190	2	Conduit, 1/2X28	
35	1001177192	1	Conduit, 1/2X12-1/2	
36	1001190007	1	Bracket, Air Filter	
37	1001195826	2	Plug	
38	1001195952	2	Plug, Tube	
39	1001201554	NLA	Weldment, Frame	
41	1001174227	7	Conduit, 1X21-1/2	
44	4060805	6 in	Flex-Trim	
45	7124301	2	Conduit, 1/2X15-1/2	
46	7124471	2	Conduit, 1X12-1/2	
47	4060804	4 in	Flex-Trim	
500	1001201693	Ref	Cylinder Kit (Not Shown)	G
501	2714973	2	Cylinder, Compensation (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
502	1001180762	1	Cylinder, Frame Level (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

SECTION 1 - FRAME AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
503	2717198	1	Cylinder, Stabil-Trak (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
504	1001296322	2	Cylinder, Lift (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 1-4. TANKS ASSEMBLY - HYDRAULIC/FUEL/DEF (74HP ULS)

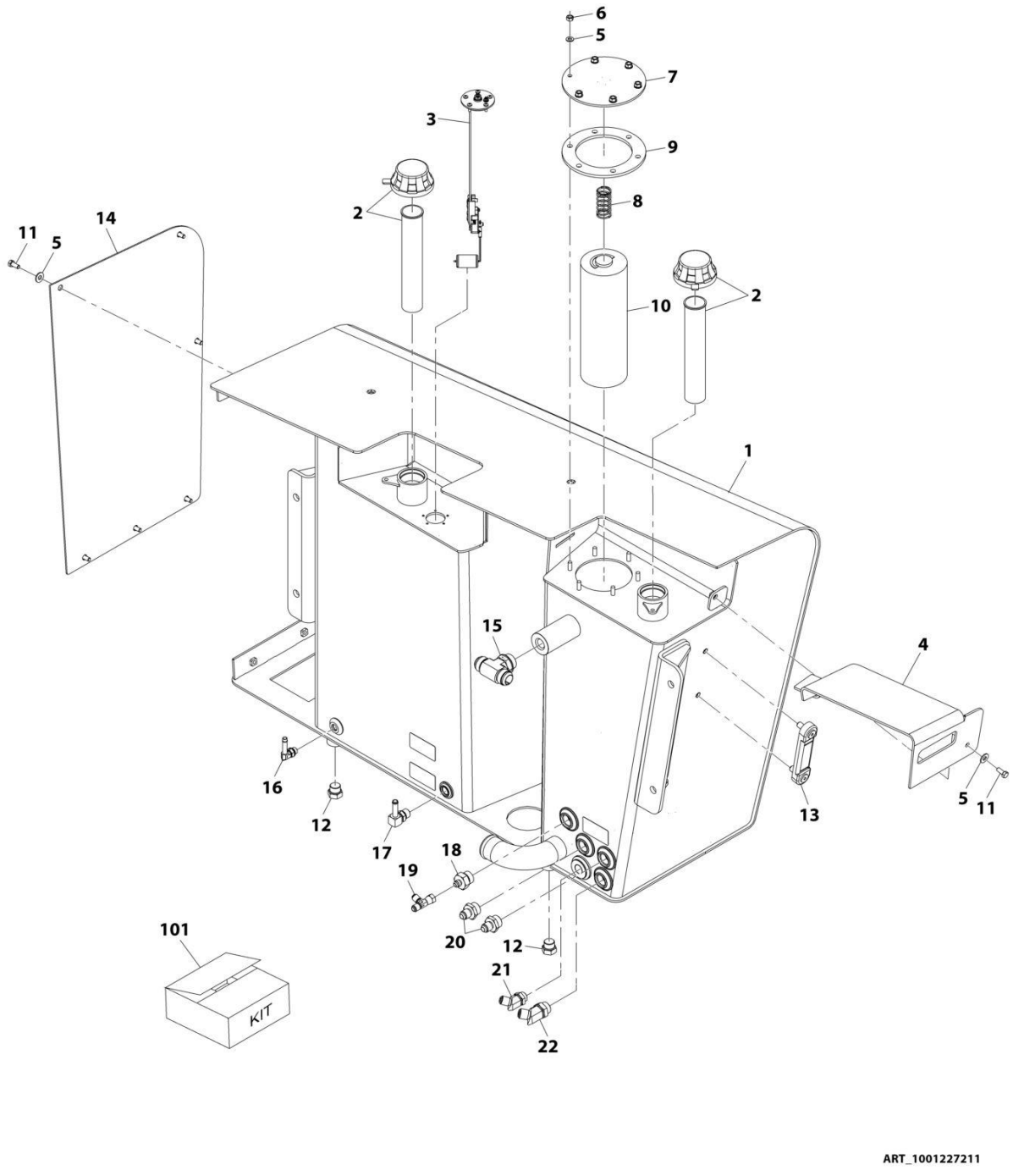

FIGURE 1-4. TANKS ASSEMBLY - HYDRAULIC/FUEL/DEF (74HP ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227211	Ref	Hydraulic/Fuel Tank Assembly (ULS)	B
1	N.S.S.	1	Tank, Hydraulic/Fuel	
2	7139077	2	Filler/Breather	
3	1001145026	1	Sensor, Fuel	
4	1001199116	1	Panel, Hydraulic Fill Cover	
5	1001170329	13	Washer, Flat M8	
6	3300429	6	Nut 5/16	
7	1001199135	1	Assembly, Cover	
8	1001199136	1	Spring	
9	1001199177	1	Seal	
10	1001199205	1	Element, Filter	
11	8303697	7	Bolt 5/16 X 3/4	
12	2220239	2	Plug	
13	7024441	1	Gauge, Sight	
14	1001199181	1	Cover, DEF Tank	
15	8760552	1	Tee, Branch	
16	1001178776	1	Elbow, 90	
17	1001199210	1	Elbow, 90	
18	2220577	1	Adapter	
19	2220635	1	Tee, Run	
20	2220375	2	Adapter	
21	2220499	1	Elbow, 45	
22	8770048	1	Elbow, 45	
101	70024152	1	Kit, Filter (Includes Items 9 & 10)	

FIGURE 1-5. TANKS INSTALLATION - HYDRAULIC/FUEL/DEF (110HP ULS)

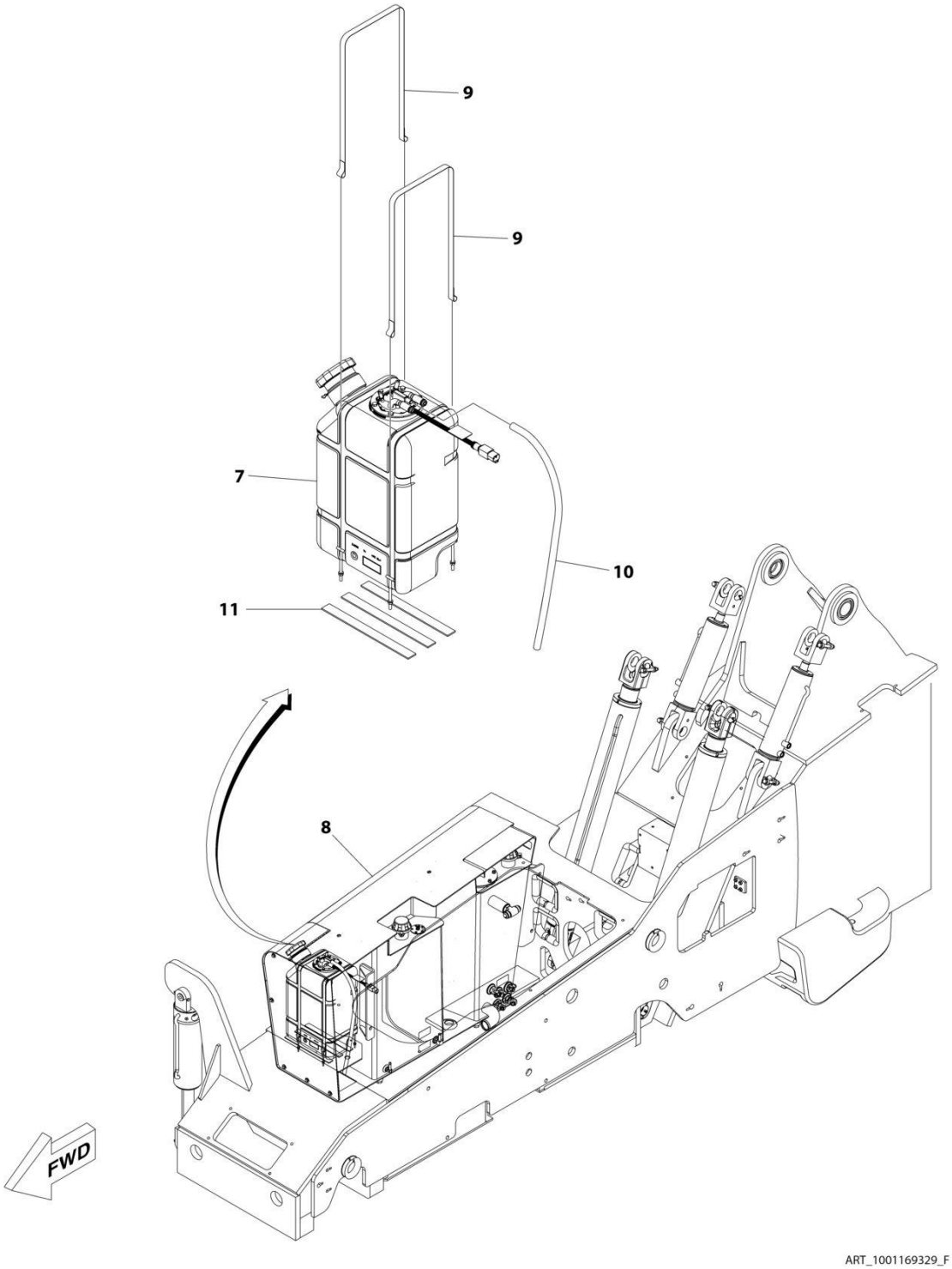

FIGURE 1-5. TANKS INSTALLATION - HYDRAULIC/FUEL/DEF (110HP ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169329	Ref	TANK INSTALLATION - HYDRAULIC/FUEL/DEF	F
7	1001228986	1	DEF Tank (See Separate Breakdown in this Section)	
8	1001169466	1	Weldment, Fuel/Hydraulic Tank (See Separate Breakdown in this Section)	
9	1001170856	2	Strap, DEF Tank	
10	1001229095	1	Hose, DEF Tank Vent	
11	4420037	AR	Tape, Insulation	

FIGURE 1-6. TANKS ASSEMBLY - HYDRAULIC/FUEL (110HP ULS & LS)

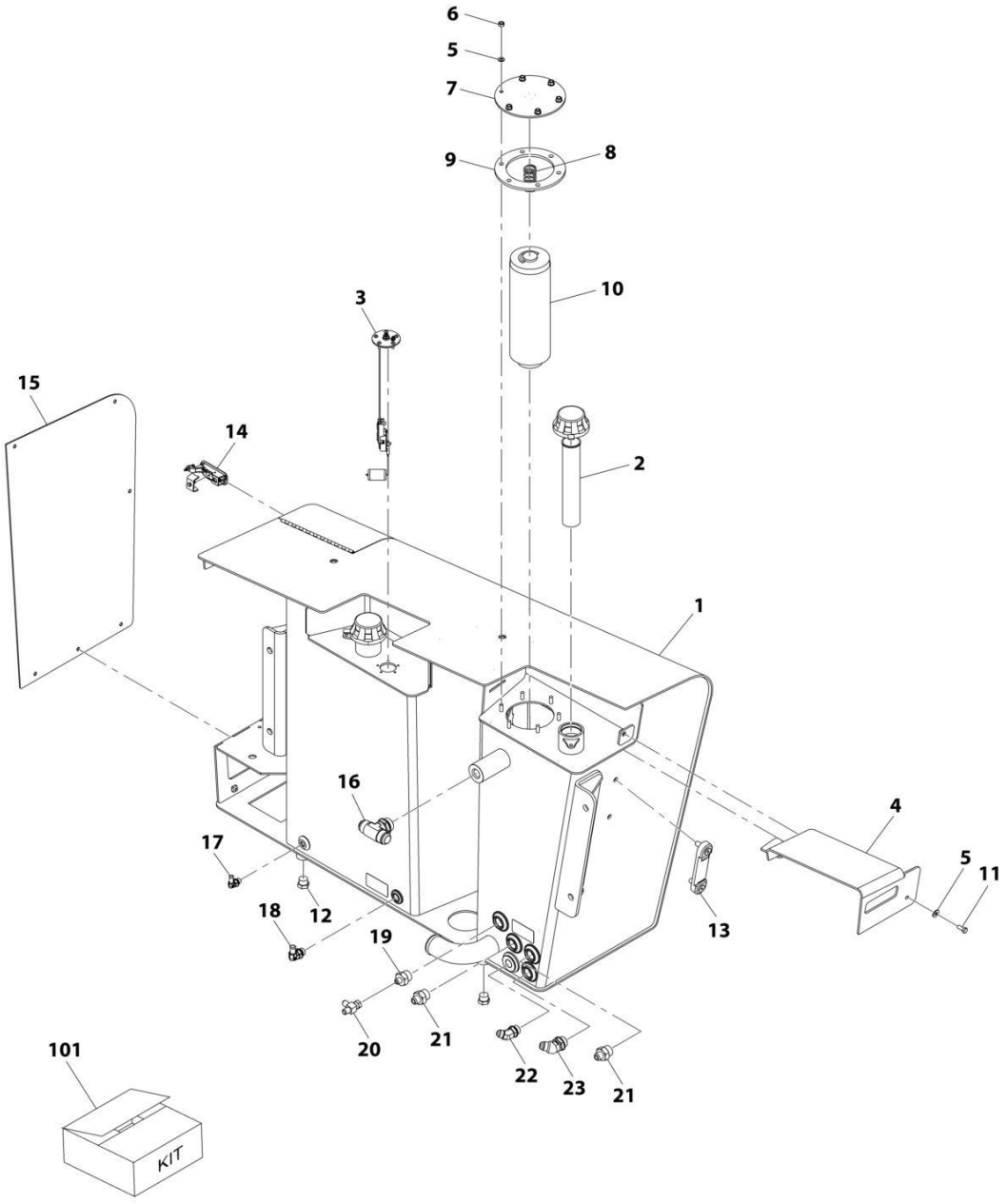

FIGURE 1-6. TANKS ASSEMBLY - HYDRAULIC/FUEL (110HP ULS & LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169466	Ref	Hydraulic/Fuel/DEF Tank Assembly (LS)	M
1	N.S.S.	1	Weldment, Hydraulic/Fuel Tank	
2	7139077	2	Filler/Breather	
3	1001145026	1	Sensor, Fuel	
4	1001199116	1	Panel, Hydraulic Fill Cover	
5	1001170329	7	Washer, Flat M8	
6	3300429	6	Nut, Hex 31-18	
7	1001199135	1	Assembly, Cover	
8	1001199136	1	Spring	
9	1001199177	1	Seal	
10	1001199205	1	Element, Filter	
11	8303697	1	Bolt, Hex Hd 5/16-18X3/4	
12	2220239	2	Plug	
13	7024441	1	Gauge, Sight	
14	1001199199	1	Latch	
15	1001199181	1	Cover, DEF Tank	
16	8760552	1	Tee, Branch	
17	1001178776	1	Elbow, 90	
18	1001199210	1	Elbow, 90	
19	2220577	1	Adapter	
20	2220635	1	Tee, Run	
21	2220375	2	Adapter	
22	2220499	1	Elbow, 45	
23	8770048	1	Elbow, 45	
101	70024152	1	Kit, Filter (Includes Items 9 & 10)	

FIGURE 1-7. DEF TANK ASSEMBLY (110HP ULS)

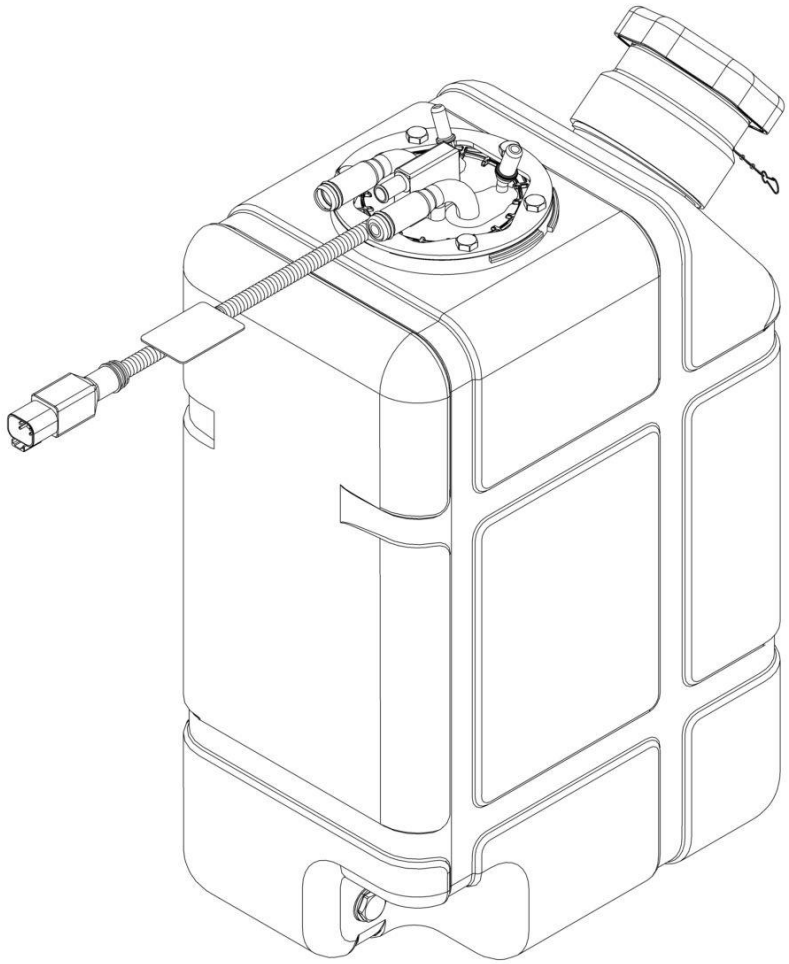

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FIGURE 1-7. DEF TANK ASSEMBLY (110HP ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228986	1	DEF Tank Assembly, (Contact Cummins at 1-800-CUMMINS for all service if the DEF tank assembly is still within warranty. Warranty may be voided if service is conducted by anyone other than Cummins service personnel)	A

FIGURE 1-8. FRAME COVERS INSTALLATION (74HP ULS)

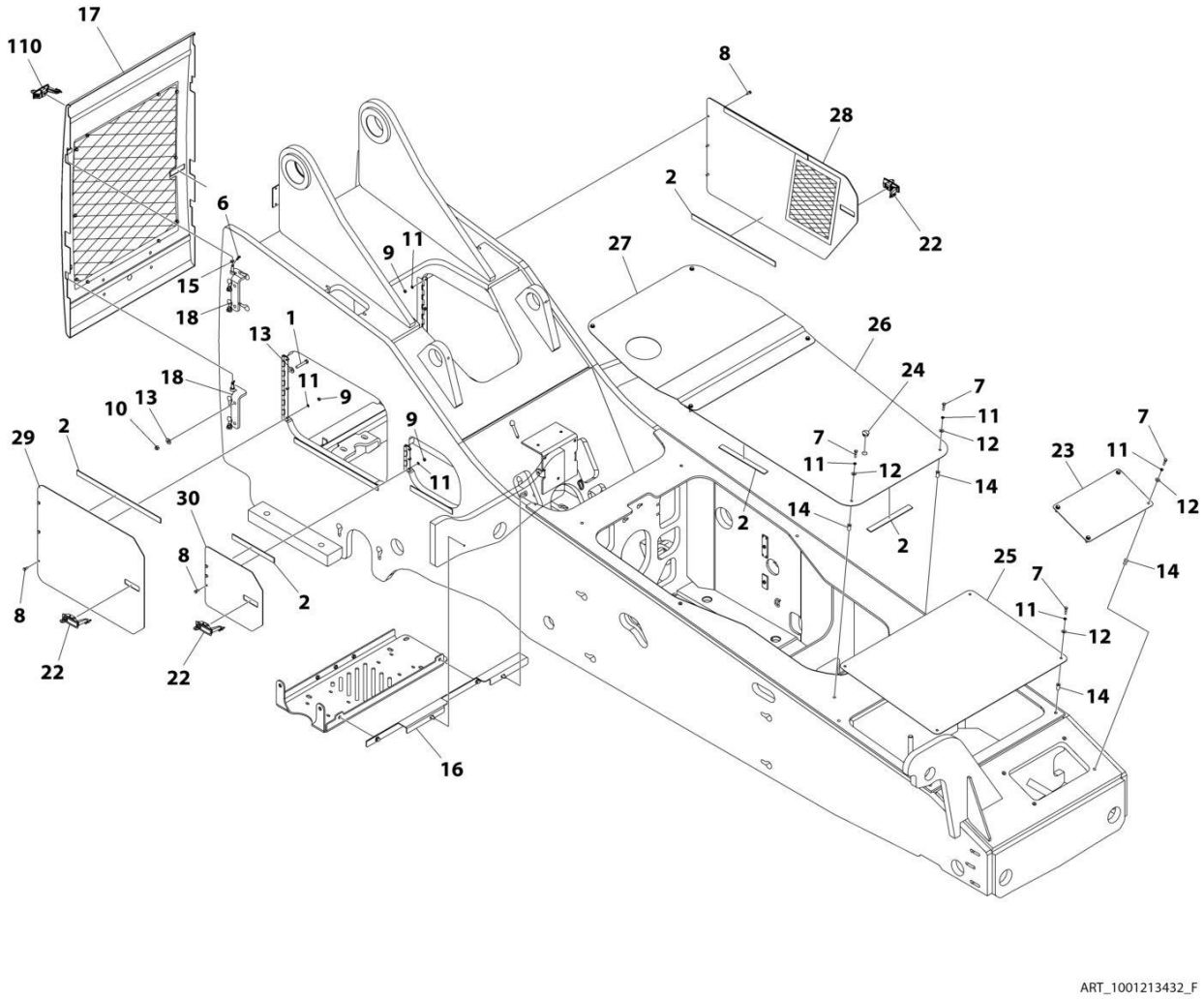


FIGURE 1-8. FRAME COVERS INSTALLATION (74HP ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213432	Ref	FRAME COVERS INSTALLATION	F
1	0641618	4	Bolt 3/8 x 2-1/4	
2	4420037	190 in	Tape, Insulation	
6	8302470	2	Pin, Hair	
7	8303615	14	Bolt 1/4 x 1-1/4	
8	8303729	9	Bolt 1/4 x 5/8	
9	8305004	9	Nut 1/4	
10	8305645	4	Nut 3/8	
11	8307002	23	Washer 1/4	
12	8307202	14	Washer 1/4	
13	8307204	8	Washer 3/8	
14	8580420	14	Nut, Well	
15	10732150	2	Washer M10	
16	1001127864	1	Installation, Dust Shield (See Separate Breakdown in this Section)	
17	1001156283	1	Door, Rear (Includes Item 110)	O
18	1001159319	2	Mount, Rear Door	
22	1001190341	3	Latch, Adjustable Trigger	
23	1001192390	1	Cover, Front	
24	3520030	1	Plug	
25	7139047	1	Cover, Counterweight	
26	1001242035	1	Cover, Lower Transmission	
27	7139407	1	Cover, Upper Transmission	
28	1001169006	1	Panel, Left Side Access	
29	1001171384	1	Panel, Engine Access Right Side	
30	1001171385	1	Panel, Air Cleaner Access	
110	1001190341	1	Latch, Adjustable Trigger	

FIGURE 1-9. FRAME COVERS INSTALLATION (74HP WITH AIR SHUT OFF VALVE)

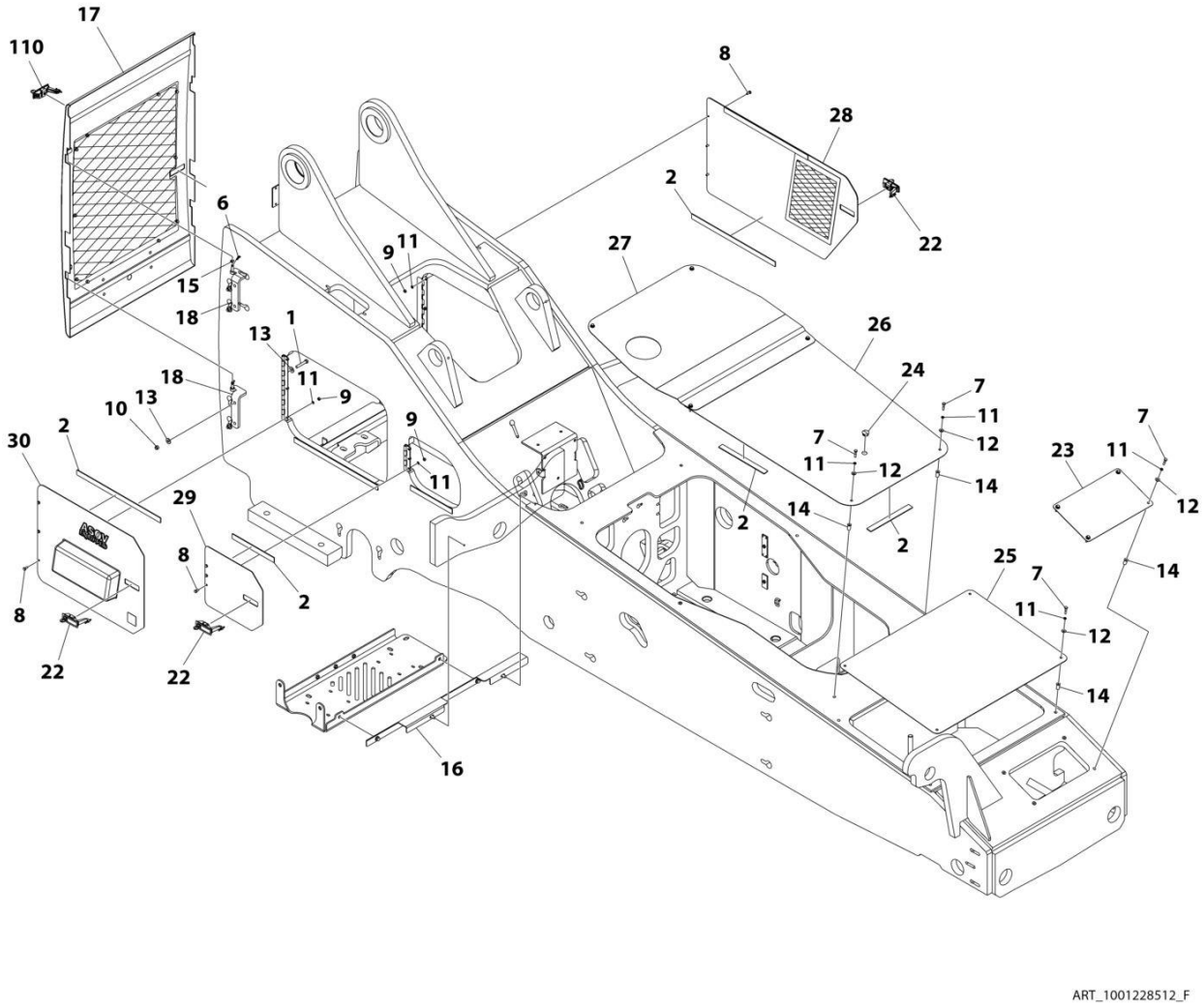


FIGURE 1-9. FRAME COVERS INSTALLATION (74HP WITH AIR SHUT OFF VALVE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228512	Ref	FRAME COVERS INSTALLATION	F
1	0641618	4	Bolt 3/8 x 2-1/4	
2	4420037	190 in	Tape, Insulation	
6	8302470	2	Pin, Hair	
7	8303615	14	Bolt 1/4 x 1-1/4	
8	8303729	9	Bolt 1/4 x 5/8	
9	8305004	9	Nut 1/4	
10	8305645	4	Nut 3/8	
11	8307002	23	Washer 1/4	
12	8307202	14	Washer 1/4	
13	8307204	8	Washer 3/8	
14	8580420	14	Nut, Well	
15	10732150	2	Washer M10	
16	1001127864	1	Installation, Dust Shield (See Separate Breakdown in this Section)	
17	1001156283	1	Door, Rear (Includes Item 110)	O
18	1001159319	2	Mount, Rear Door	
22	1001190341	3	Latch, Adjustable Trigger	
23	1001192390	1	Cover, Front	
24	3520030	1	Plug	
25	7139047	1	Cover, Counterweight	
26	1001242035	1	Cover, Lower Transmission	
27	7139407	1	Cover, Upper Transmission	
28	1001169006	1	Panel, Left Side Access	
29	1001171385	1	Panel, Air Cleaner Access	
30	1001216291	1	Panel, Engine Access Right Side	
110	1001190341	1	Latch, Adjustable Trigger	

FIGURE 1-10. FRAME COVERS INSTALLATION (110HP ULS)

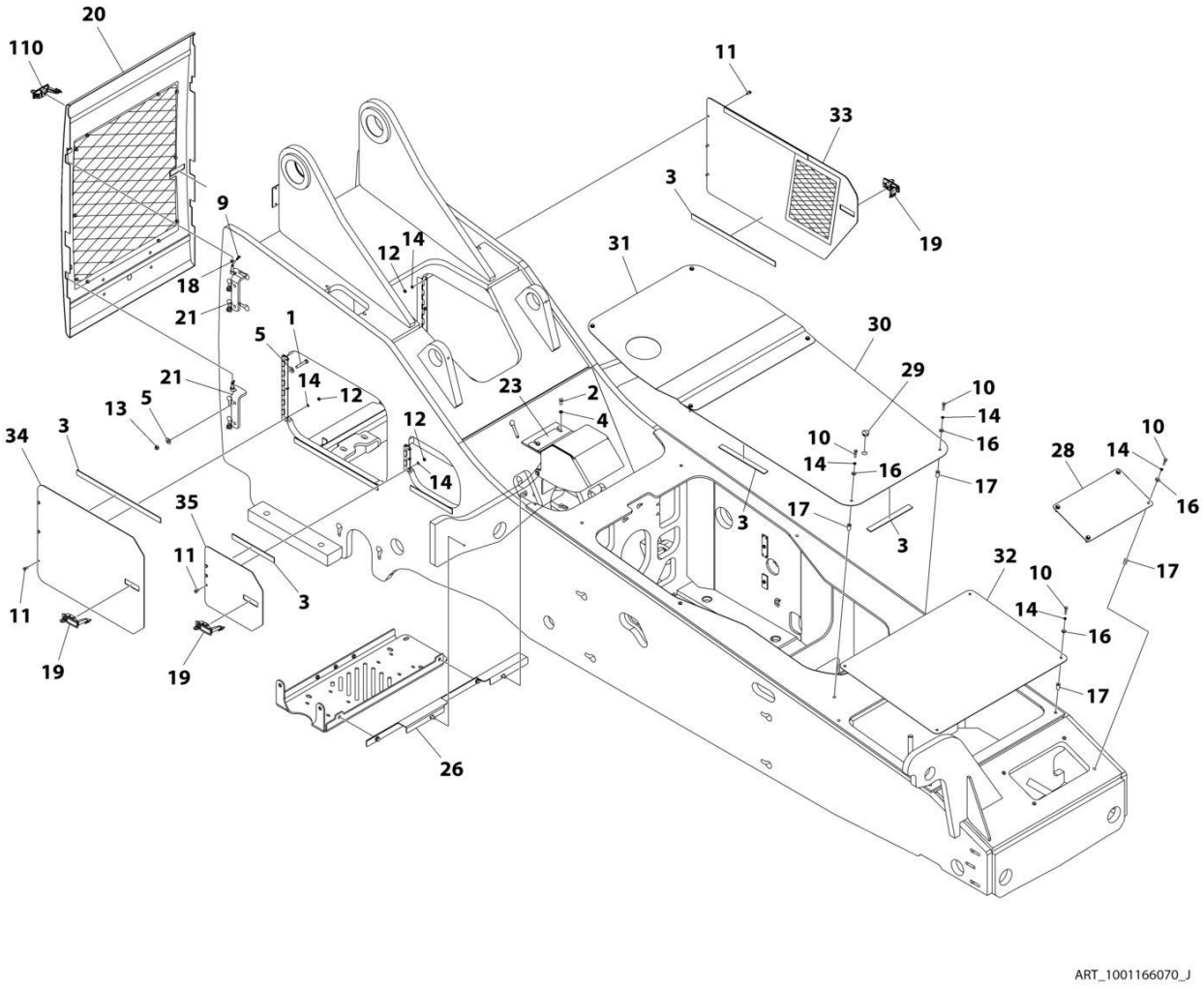


FIGURE 1-10. FRAME COVERS INSTALLATION (110HP ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166070	Ref	FRAME COVERS INSTALLATION	J
1	0641618	4	Bolt 3/8 x 2-1/4	
2	0760810	4	Bolt M8 x 20	
3	4420037	190 in	Tape, Insulation	
4	4811900	4	Washer M8	
5	8307204	8	Washer 3/8	
9	8302470	2	Pin, Hair	
10	8303615	14	Bolt 1/4 x 1-1/4	
11	8303729	9	Bolt 1/4 x 5/8	
12	8305004	9	Nut 1/4	
13	8305645	4	Nut 3/8	
14	8307002	23	Washer 1/4	
16	8307202	14	Washer 1/4	
17	8580420	14	Nut, Well	
18	10732150	2	Washer M10	
19	1001190341	3	Latch, Adjustable Trigger	
20	1001156283	1	Door, Rear (Includes Item 110)	O
21	1001159319	2	Mount, Rear Door	
23	1001169172	1	Cover, DEF Supply	
26	1001127864	1	Installation, Dust Shield (See Separate Breakdown in this Section)	
28	1001192390	1	Cover, Front	
29	3520030	1	Plug	
30	1001242035	1	Cover, Lower Transmission	
31	7139407	1	Cover, Upper Transmission	
32	7139047	1	Cover, Counterweight	
33	1001169006	1	Panel, Left Side Access	
34	1001171384	1	Panel, Engine Access Right Side	
35	1001171385	1	Panel, Air Cleaner Access	
110	1001190341	1	Latch, Adjustable Trigger	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-11. FRAME COVERS INSTALLATION (110HP ULS WITH AIR SHUT OFF VALVE)

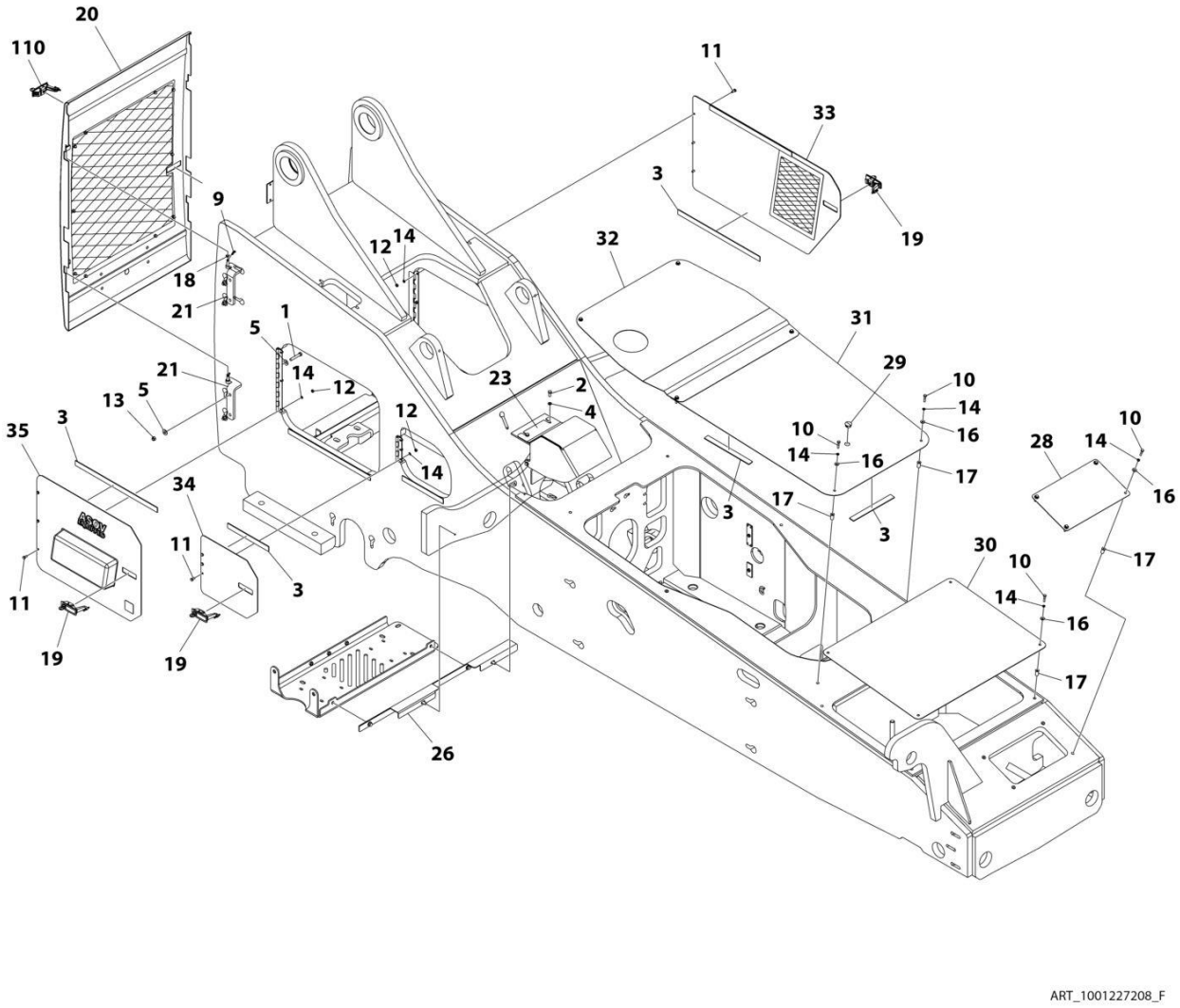


FIGURE 1-11. FRAME COVERS INSTALLATION (110HP ULS WITH AIR SHUT OFF VALVE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227208	Ref	FRAME COVERS INSTALLATION	F
1	0641618	4	Bolt 3/8 x 2-1/4	
2	0760810	4	Bolt M8 x 20	
3	4420037	190 in	Tape, Insulation	
4	4811900	4	Washer M8	
5	8307204	8	Washer 3/8	
9	8302470	2	Pin, Hair	
10	8303615	14	Bolt 1/4 x 1-1/4	
11	8303729	9	Bolt 1/4 x 5/8	
12	8305004	9	Nut 1/4	
13	8305645	4	Nut 3/8	
14	8307002	23	Washer 1/4	
16	8307202	14	Washer 1/4	
17	8580420	14	Nut, Well	
18	10732150	2	Washer M10	
19	1001190341	3	Latch, Adjustable Trigger	
20	1001156283	1	Door, Rear (Includes Item 110)	O
21	1001159319	2	Mount, Rear Door	
23	1001169172	1	Cover, DEF Supply	
26	1001127864	1	Installation, Dust Shield (See Separate Breakdown in this Section)	
28	1001192390	1	Cover, Front	
29	3520030	1	Plug	
30	7139047	1	Cover, Counterweight	
31	1001242035	1	Cover, Lower Transmission	
32	7139407	1	Cover, Upper Transmission	
33	1001169006	1	Panel, Left Side Access	
34	1001171385	1	Panel, Air Cleaner Access	
35	1001216291	1	Panel, Engine Access Right Side	
110	1001190341	1	Latch, Adjustable Trigger	

FIGURE 1-12. FRAME COVERS INSTALLATION (110HP LS)

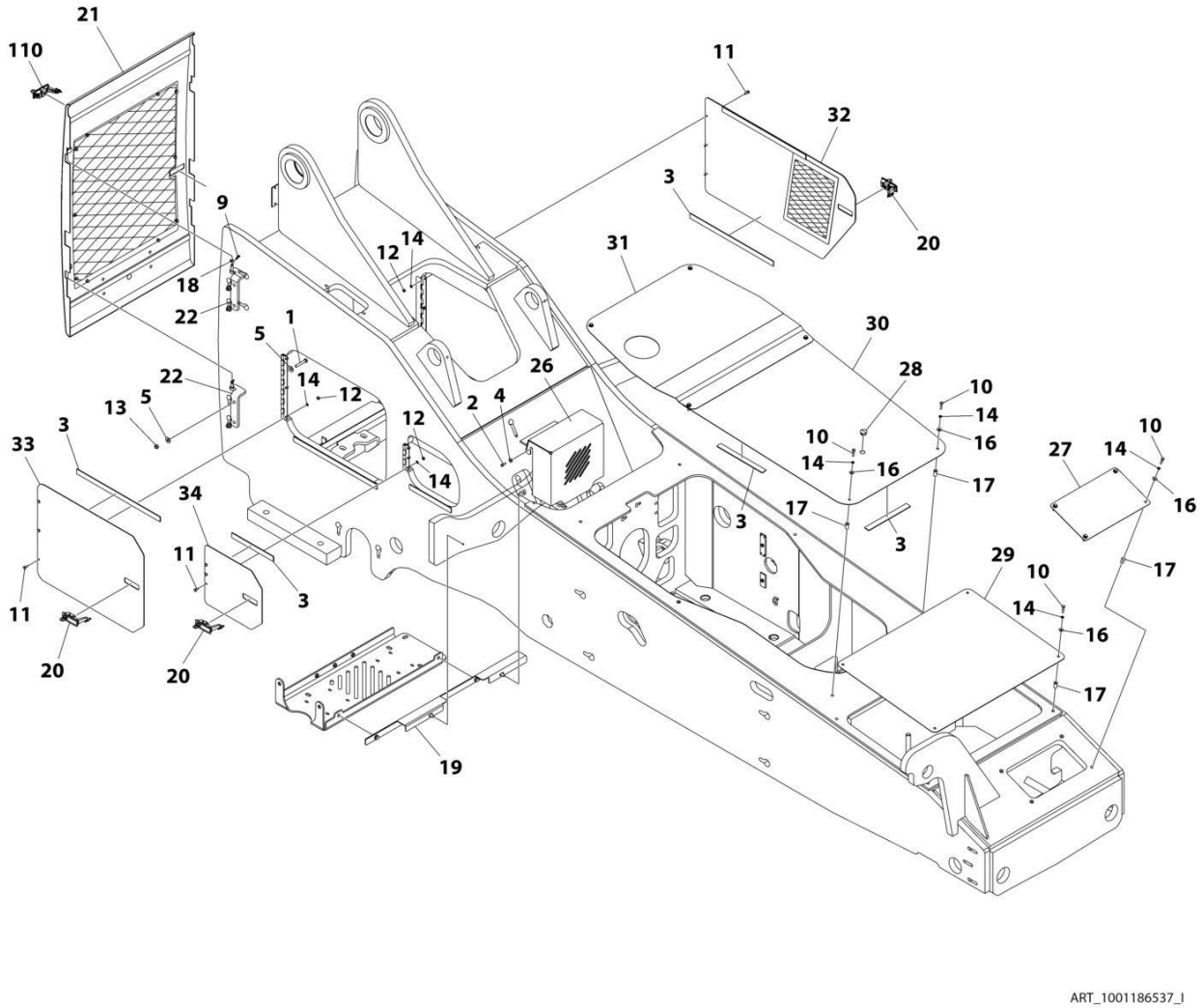


FIGURE 1-12. FRAME COVERS INSTALLATION (110HP LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186537	Ref	FRAME COVERS INSTALLATION	I
1	0641618	4	Bolt 3/8 x 2-1/4	
2	0760610	3	Bolt M6 x 20	
3	4420037	190 in	Tape, Insulation	
4	4811702	3	Washer M6	
5	8307204	8	Washer 3/8	
9	8302470	2	Pin, Hair	
10	8303615	14	Bolt 1/4 x 1-1/4	
11	8303729	9	Bolt 1/4 x 5/8	
12	8305004	9	Nut 1/4	
13	8305645	4	Nut 3/8	
14	8307002	23	Washer 1/4	
16	8307202	14	Washer 1/4	
17	8580420	14	Nut, Well	
18	10732150	2	Washer M10	
19	1001127864	1	Installation, Dust Shield (See Separate Breakdown in this Section)	
20	1001190341	3	Latch, Adjustable Trigger	
21	1001156283	1	Door, Rear (Includes Item 110)	O
22	1001159319	2	Mount, Rear Door	
26	1001211690	1	Bracket, ECM Cover	
27	1001192390	1	Cover, Front	
28	3520030	1	Plug	
29	7139047	1	Cover, Counterweight	
30	1001242035	1	Cover, Lower Transmission	
31	7139407	1	Cover, Upper Transmission	
32	1001169006	1	Panel, Left Side Access	
33	1001171384	1	Panel, Engine Access Right Side	
34	1001171385	1	Panel, Air Cleaner Access	
110	1001190341	1	Latch, Adjustable Trigger	

FIGURE 1-13. DUST SHIELD INSTALLATION

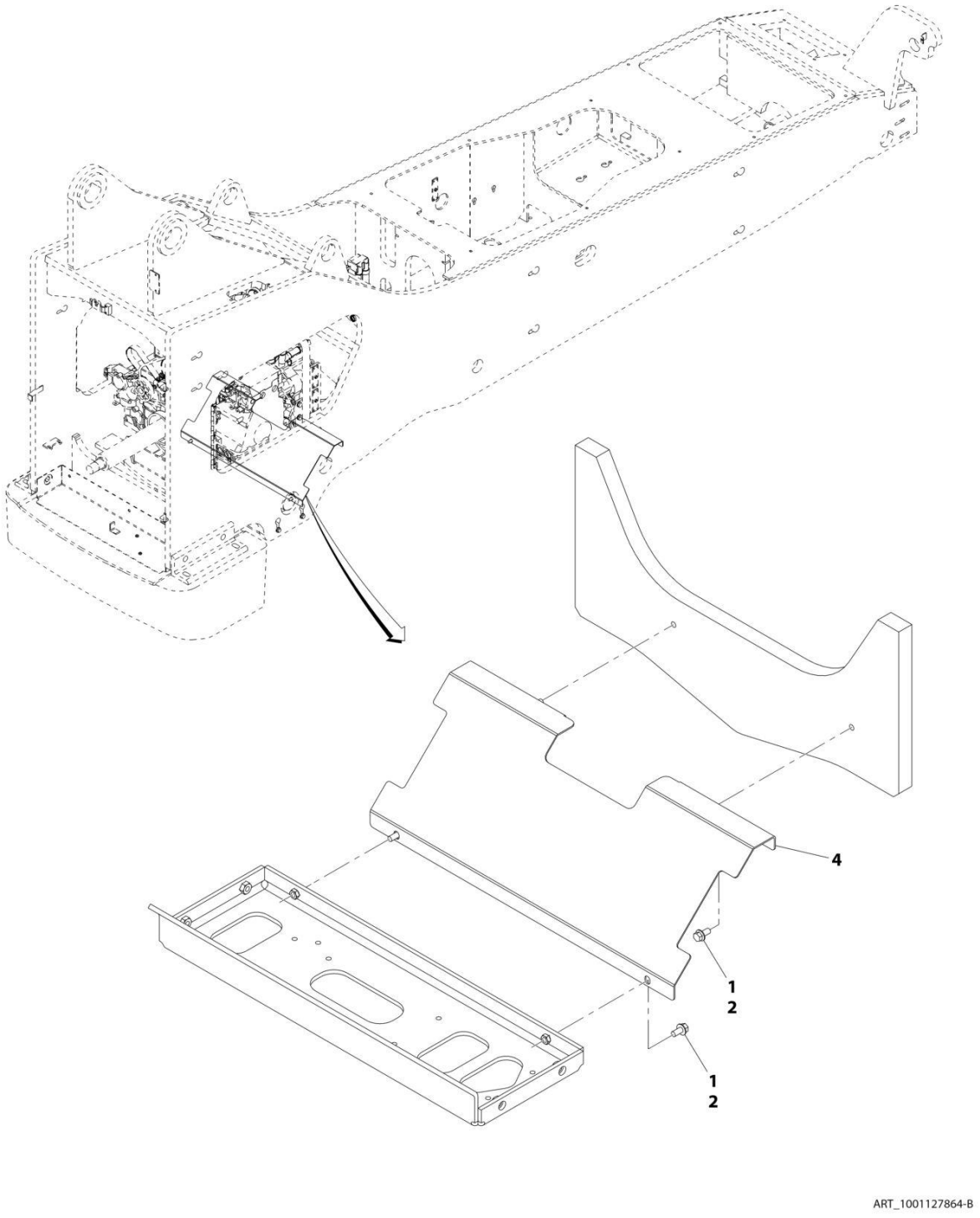


FIGURE 1-13. DUST SHIELD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001127864	Ref	Dust Shield Installation	B
1	0100011	AR	Compound, Locking	
2	0791606	4	Bolt, 3/8-16X3/4	
4	1001127867	1	Panel, Dust Baffle Front	

FIGURE 1-14. OUTRIGGER INSTALLATION

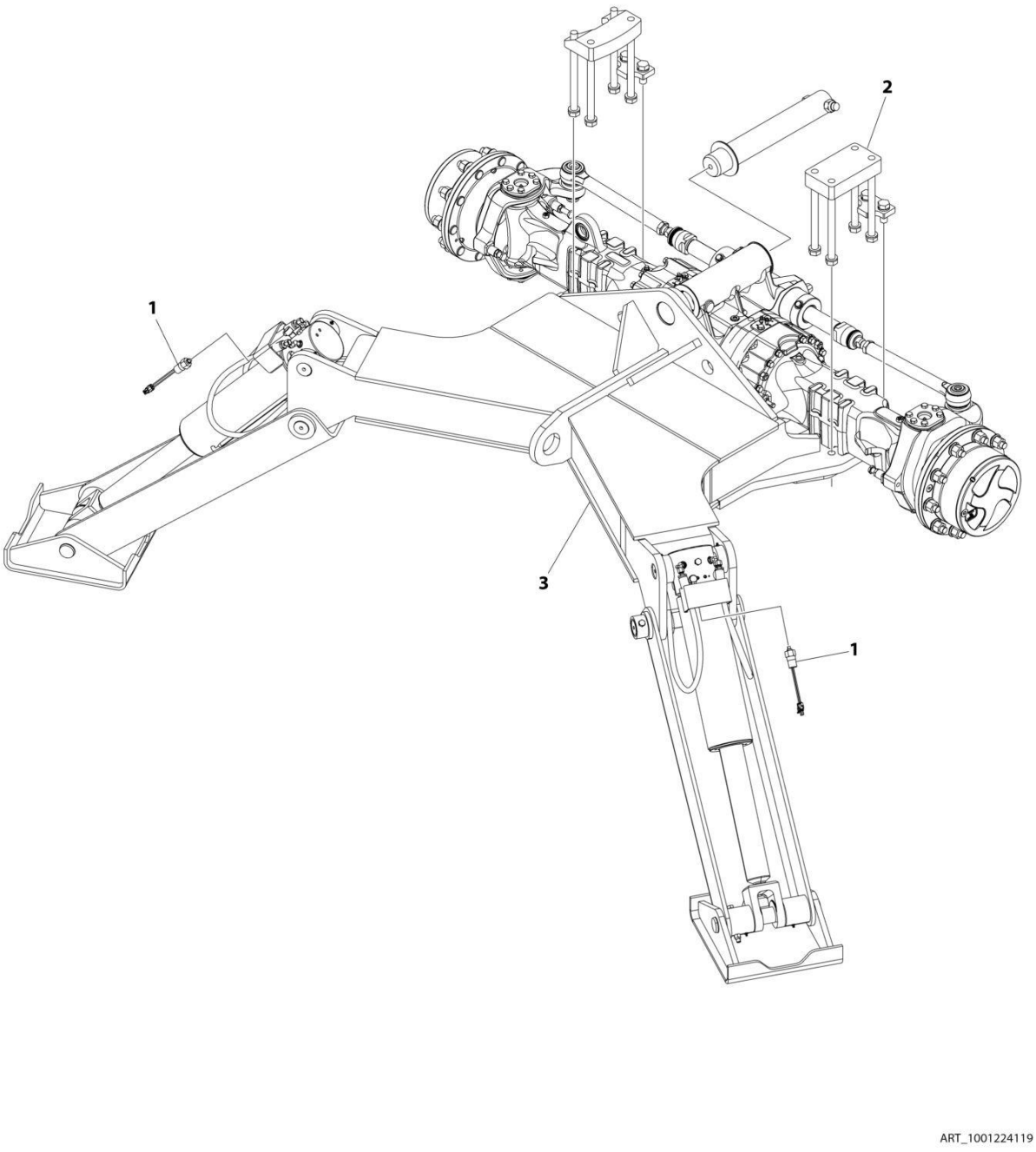


FIGURE 1-14. OUTRIGGER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224119	Ref	Outrigger Installation - 10054	C
1	8223536	2	Switch, Pressure	
2	1001222496	1	Installation, Outrigger Mounting (See Separate Breakdown in this Section)	
3	1001222497	1	Sub-Assembly, Outrigger (See Separate Breakdown in this Section)	

FIGURE 1-15. OUTRIGGER MOUNTING INSTALLATION

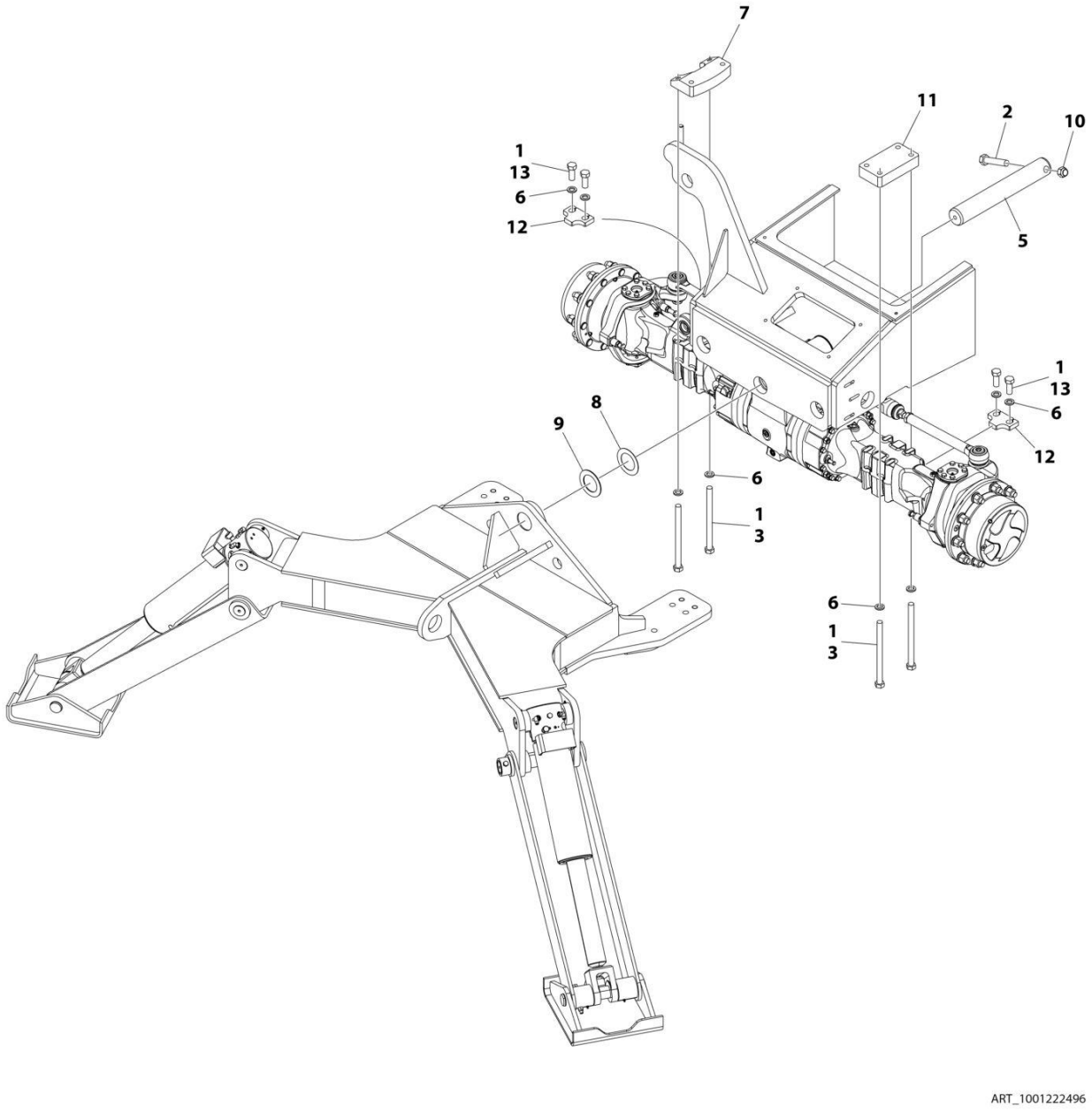


FIGURE 1-15. OUTRIGGER MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222496	Ref	OUTRIGGER MOUNTING INSTALLATION - 10042 & 10054	C
1	0100019	AR	Compound, Locking	
2	0642640	1	Bolt 1 x 5	
3	0682496	8	Bolt 7/8 x 12	
5	3423248	1	Pin, Axle/Outrigger	
6	4892400	12	Washer 7/8	
7	1001232517	1	Bracket, Outrigger Mounting	
8	8307912	AR	Washer, Shim	
9	8307913	AR	Washer, Shim	
10	8310116	1	Nut 1	
11	1001232518	1	Bracket, Outrigger Mounting	
12	1001244592	2	Stop, Block Outrigger	
13	0682418	4	Bolt 7/8 x 2-1/4	

FIGURE 1-16. OUTRIGGER SUB-ASSEMBLY

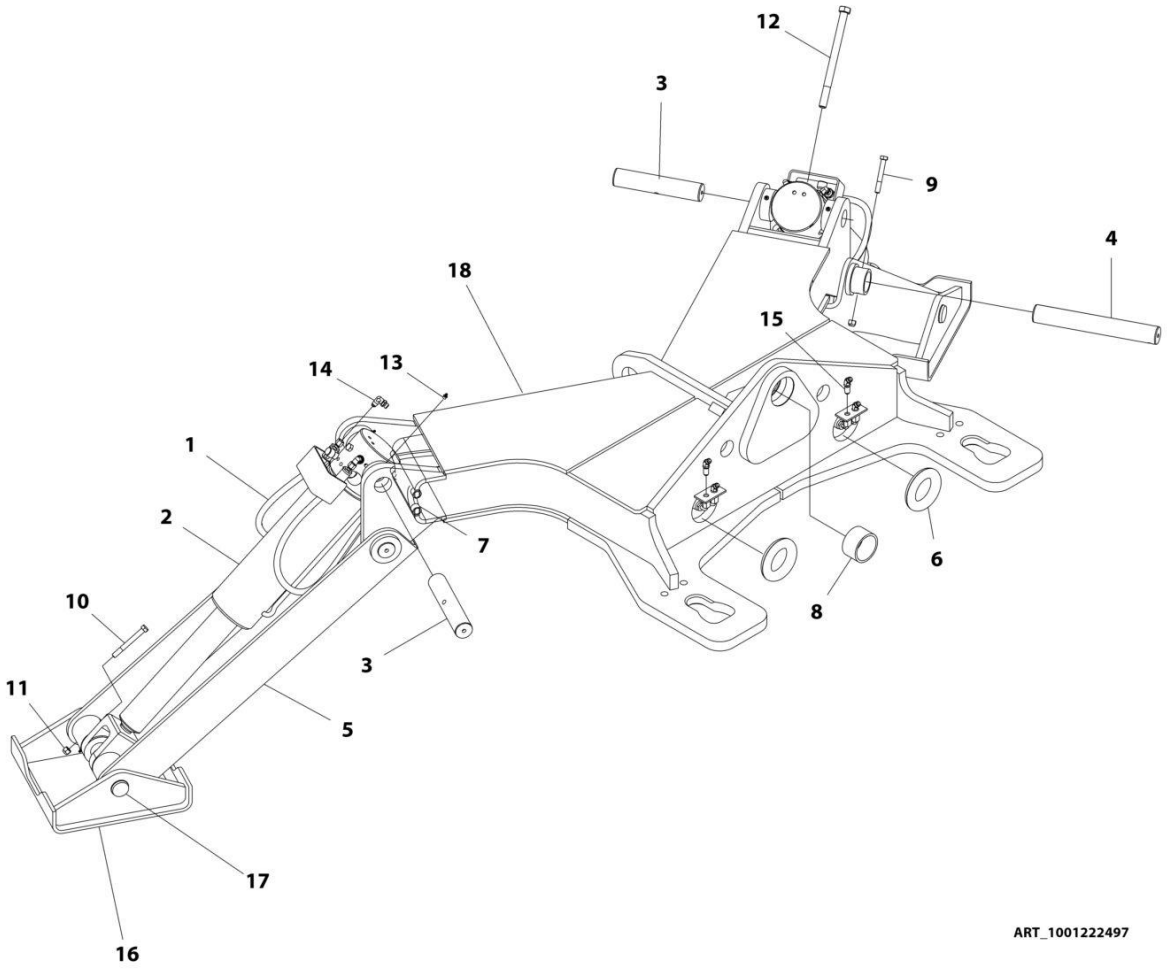


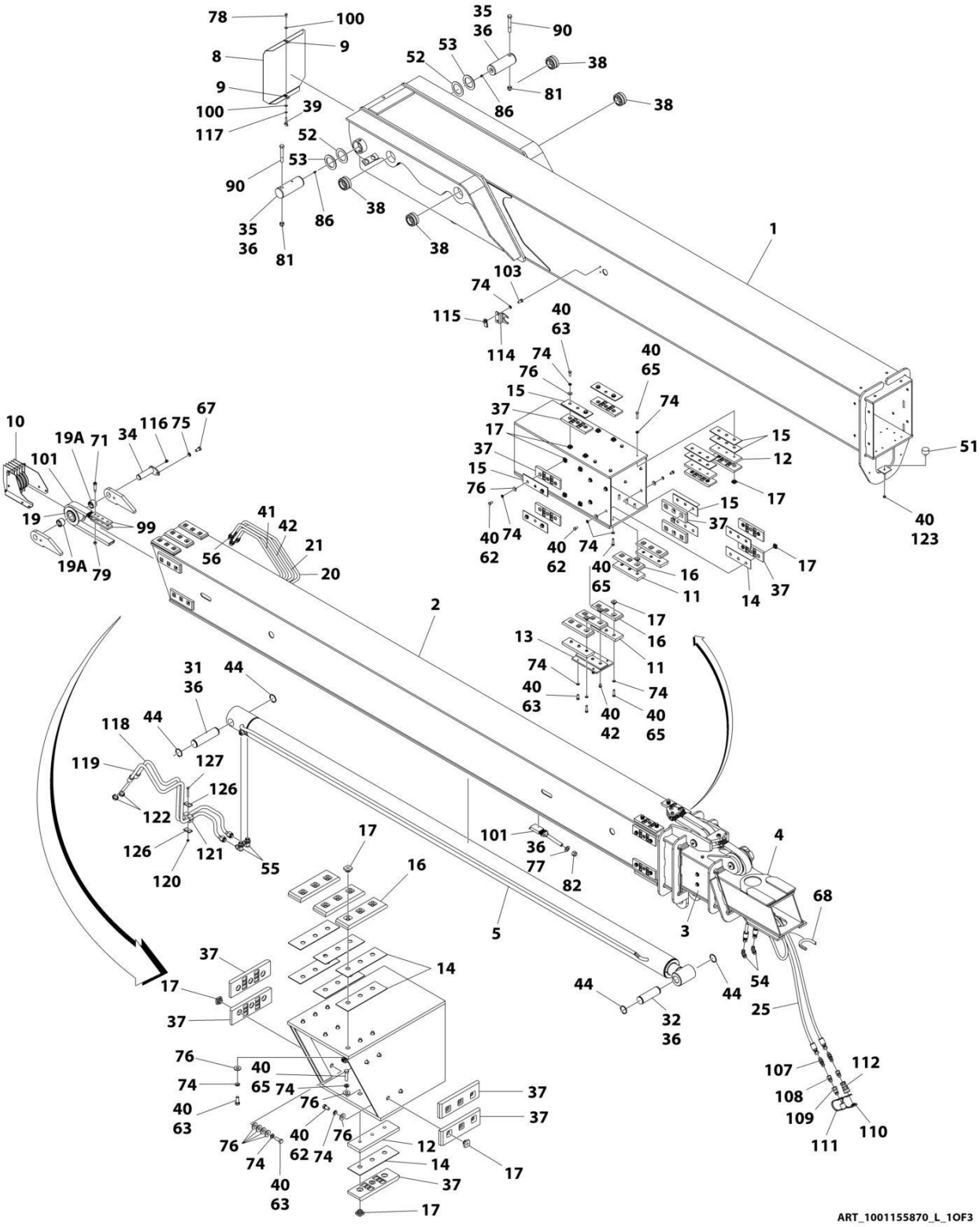
FIGURE 1-16. OUTRIGGER SUB-ASSEMBLY

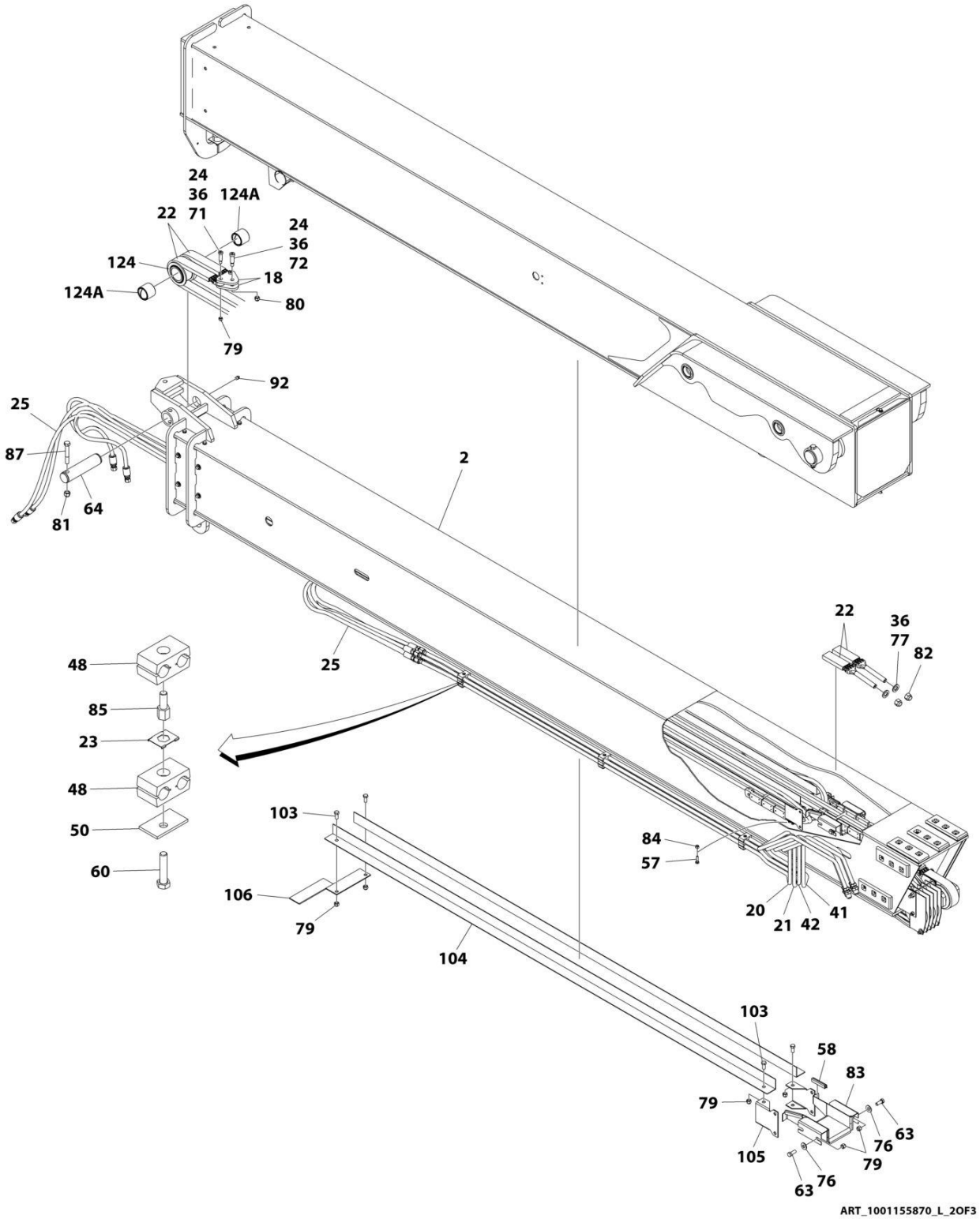
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222497	Ref	OUTRIGGER SUB-ASSEMBLY	C
1	2716709	4	Hose	
2	2717201	2	Cylinder, Outrigger (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
3	7090871	2	Pin, Cylinder Pivot Outrigger	
4	7090891	2	Pin, Leg Pivot Outrigger	
5	7091373	2	Leg, Outrigger	
6	7124491	2	Conduit, 1X15-1/2	
7	7125801	4	Conduit, 3/4X4	
8	8065063	1	Bushing	
9	8303628	2	Bolt 1/2 X 3-3/4	
10	8303629	2	Bolt 1/2 X 4-1/2	
11	8305644	6	Nut 1/2	
12	8310151	2	Bolt 1/2 X 7	
13	8520013	12	Fitting, Straight Lube	
14	2220473	4	Adapter, 90	
15	8770189	4	Adapter, 45	
16	1001141892	2	Stabilizer, Pad Weld	
17	1001147515	2	Pin, Outrigger Shoe	
18	1001242920	1	Frame, Outrigger	

SECTION 2 - BOOM

SECTION 2 - BOOM

FIGURE 2-1. BOOM INSTALLATION

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SECTION 2 - BOOM

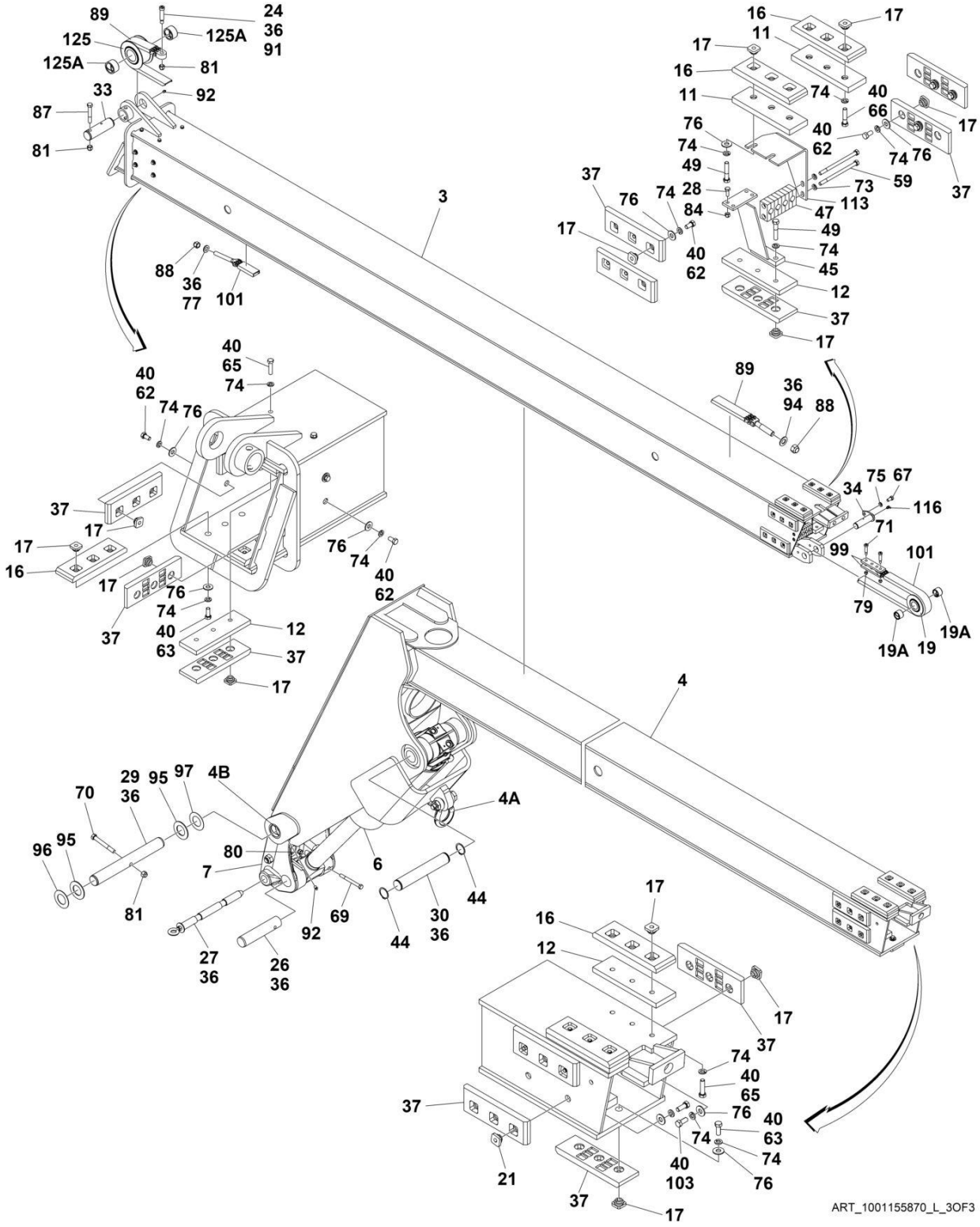


FIGURE 2-1. BOOM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155870	Ref	Boom Installation - 10054	L
1	7302010	1	Boom, First Section	
2	1001155869	1	Boom, Second Section	
3	1001155867	1	Boom, Third Section	
4	1001269415	1	Boom, Fly	
4A	1001204045	1	Clevis	
4B	7095312	1	Bushing	
5	1001296009	1	Cylinder, Extend/Retract (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
6	1001180763	1	Cylinder, Fork Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
7	1001242996	1	Assembly, Quick Attach (See Separate Breakdown in this Section)	
8	7116792	1	Cover	
9	8305906	2	Nut, Retainer 5/16	
10	7116733	1	Assembly, Hose Pulley (See Separate Breakdown in this Section)	
11	7096882	6	Spacer, Wear Pad	
12	7096702	8	Spacer, Wear Pad	
13	7096772	1	Spacer, Wear Pad	
14	7082342	AR	Shim, Wear Pad	
15	7082362	AR	Shim, Wear Pad	
16	7111572	14	Pad, Wear	
17	7082311	107	Insert, Wear Pad	
18	7139180	2	Yoke, Extend Chain	
19	7138986	2	Sheave, Retract Chain	
19A	7138979	4	Bushing (2 Per Sheave)	
20	7300675	1	Tube	
21	7300674	1	Tube	
22	7139690	2	Assembly, Extend Chain and Clevis (See Separate Breakdown in this Section)	
23	8750017	3	Lock Plate, Twin Clamp	
24	8526406	AR	Sealant, Varnish	
25	7112452	1	Assembly, Hose and Carrier (See Separate Breakdown in this Section)	
26	7083992	1	Pin, Rod End	
27	7118892	1	Assembly, Lock Pin (See Separate Breakdown in this Section)	
28	8310026	4	Bolt, 1/4X3/4	
29	7095352	1	Pin, Carriage Pivot	
30	7095522	1	Pin, Base End	
31	7096552	1	Pin, Base End	
32	7096562	1	Pin, Rod End	
33	7117582	1	Pin, Extend Chain Sheave	
34	7138977	2	Pin, Retract Chain Sheave	
35	3423226	2	Pin, Boom Pivot	
36	8522012	AR	Lube, Anti-Seize	
37	7079572	33	Pad, Wear	
38	8065640	4	Bearing, Spherical	
39	8310497	1	Screw, Thumb 5/16-18X1-1/2	
40	8526007	AR	Compound, Thread Locking	
41	7300672	1	Tube	
42	7300673	1	Tube	

SECTION 2 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	8642224	6	Ring, Retaining	
45	7112732	1	Support, Hose Clamp	
47	8750003	8	Clamp, Half	
48	8769122	6	Clamp Set, Twin	
49	8303622	4	Bolt, 3/8X2	
50	8769123	3	Cover Plate, Twin	
51	5724622	1	Bumper, Rubber	
52	8307910	AR	Washer, Shim	
53	8307911	AR	Washer, Shim	
54	2220500	2	Adapter, 45	
55	2220578	2	Adapter, 90	
56	8760465	4	Adapter, Bulkhead Nut	
57	8303540	4	Bolt, 1/4X1	
58	5746411	2	Moulding	
59	8310081	2	Bolt, 5/16X5	
60	8303715	3	Bolt, 5/16X1-1/2	
61	8303041	3	Bolt, 3/8X1/2	
62	8303681	38	Bolt, 3/8X3/4	
63	8303620	34	Bolt, 3/8X1	
64	1001097735	1	Pin, Extend Chain Sheave	
65	8303621	28	Bolt, 3/8X1-1/2	
66	8303679	4	Bolt, 3/8X1-3/4	
67	8303624	2	Bolt, 1/2X1	
68	7125811	1	Conduit	
69	8303772	1	Bolt, 1/2X5	
70	8303666	1	Bolt, 5/8X5	
71	8310019	6	Screw, Shoulder	
72	8310020	1	Screw, Shoulder	
73	8307004	2	Washer 5/16	
74	8307005	110	Washer 3/8	
75	8307007	2	Washer 1/2	
76	8307204	83	Washer 3/8	
77	8307104	4	Washer 3/4	
78	8303697	1	Bolt, 5/16X3/4	
79	8305645	12	Nut 3/816	
80	8305644	2	Nut 1/2	
81	8305643	6	Nut 5/8	
82	8305646	4	nut 3/4	
83	7114922	1	Guide	
84	8305624	8	Nut 1/4	
85	8750011	3	Bolt, Stack	
86	8520013	2	Fitting, Straight Lube	
87	8303634	2	Bolt, 5/8X4	
88	8310210	1	Nut 1-14	
89	7139693	1	Assembly, Extend Chain and Clevis (See Separate Breakdown in this Section)	
90	8303655	2	Bolt, 5/8X4-1/2	
91	8310205	1	Bolt, Shoulder	
92	8520001	4	Fitting, Straight Lube	
94	8310066	1	Washer 1	
95	8307918	2	Washer, Shim	
96	8310093	AR	Washer, Shim	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
97	8307904	AR	Washer, Shim	
99	7117031	4	Link	
100	8307106	2	Washer 5/16	
101	7139692	2	Assembly, Retract Chain and Clevis (See Separate Breakdown in this Section)	
102	8526048	AR	Sealant (Not Shown)	
103	8303738	8	Bolt, 3/8X7/8	
104	7110172	2	Guide, Hose Carrier	
105	7127862	2	Support, Hose Guide, Rear	
106	7127852	1	Support, Hose Guide, Front	
107	2230025	2	Adapter, Bulkhead Straight	
108	2220651	2	Adapter, Straight	
109	91403414	1	Adapter, Quick Disconnect	
110	8420055	1	Plug, Dust	
111	8420053	1	Cap, Dust	
112	91403413	1	Adapter, Quick Disconnect	
113	7111402	1	Support, Clamp	
114	7138468	1	Clip	
115	8310113	2	Nut, Cage 3/8	
116	8520003	2	Fitting, 90 Lube	
117	8310431	1	Washer 5/16	
118	3460383	1	Tube	
119	3460384	1	Tube	
120	8305626	1	Nut 5/16-	
121	8769139	1	Clamp Set, Twin	
122	8760468	2	Adapter, Bulkhead Nut	
123	3311601	1	Nut, 3/8	
124	1001101845	1	Sheave Assembly	
124A	7126662	2	Bushing	
125	1001101867	1	Sheave Assembly	
125A	7117502	2	Bushing	
126	8769128	2	Cover Plate, Twin	
127	0641520	1	Bolt, 5/16X2-1/2	

FIGURE 2-2. BOOM PROP INSTALLATION

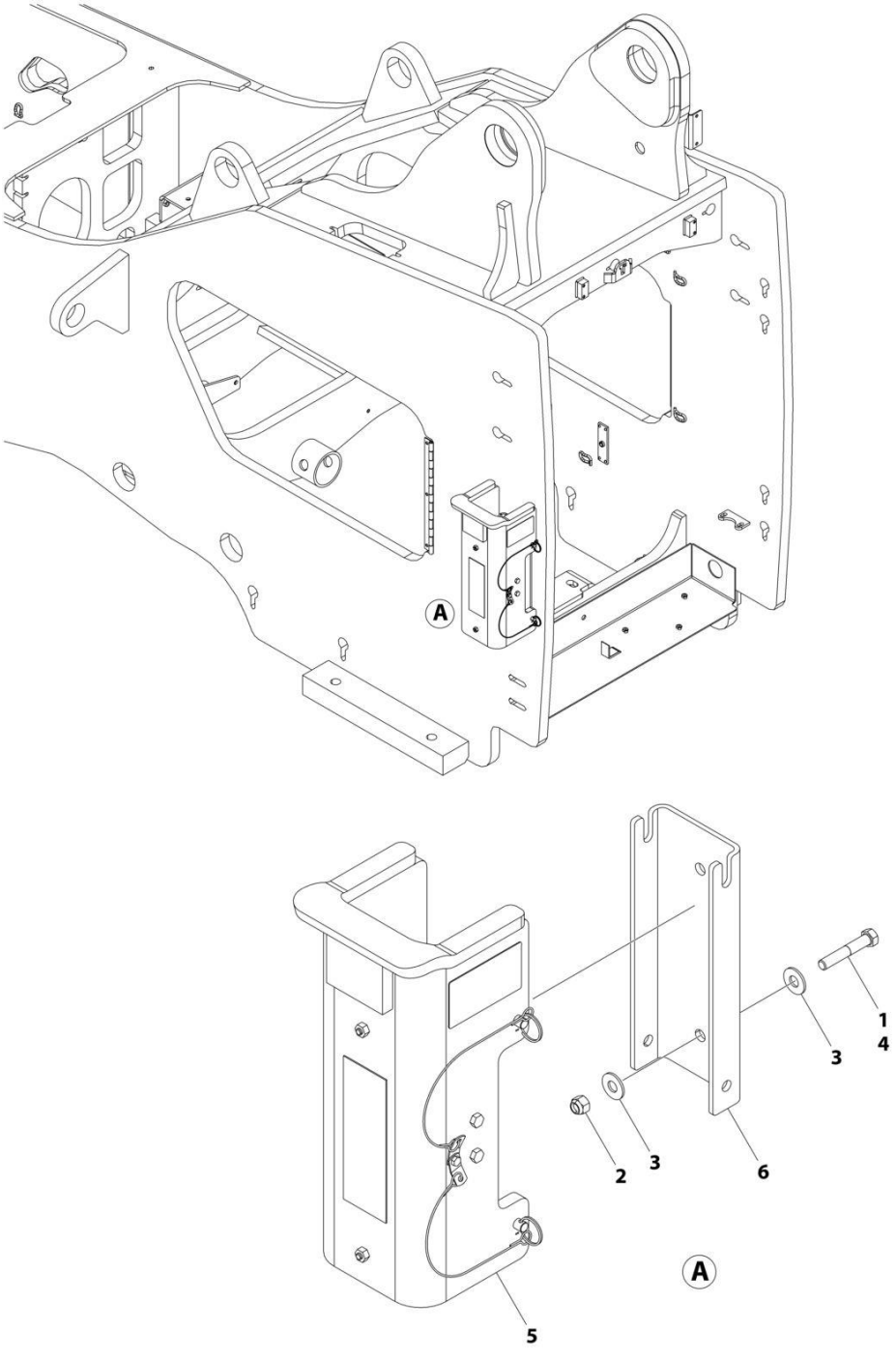


FIGURE 2-2. BOOM PROP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284067	Ref	BOOM PROP INSTALLATION	A
1	8303771	2	Bolt 3/8 x 2-1/4	
2	8305645	2	Nut 3/8	
3	8307204	4	Washer 3/8	
4	1001095650	AR	Adhesive	
5	1001284068	1	Bracket, Boom Prop (See Separate Breakdown in this Section)	
6	1001284436	1	Plate	

FIGURE 2-3. BOOM PROP BRACKET INSTALLATION

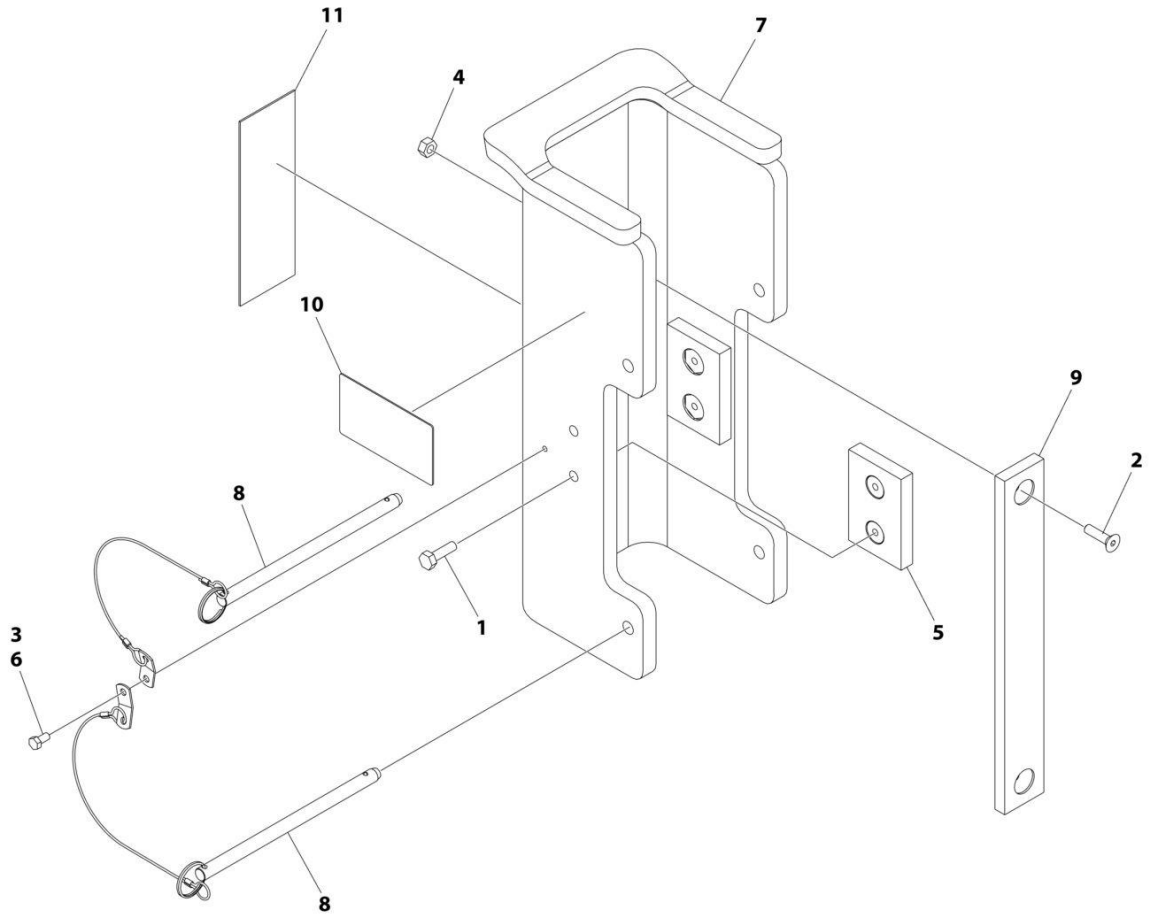


FIGURE 2-3. BOOM PROP BRACKET INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284068	Ref	BOOM PROP BRACKET INSTALLATION	A
1	0641407	4	Bolt 1/4 x 7/8	
2	0741408	2	Screw 1/4 x 1	
3	0760505	1	Bolt M5 x 10	
4	3311405	2	Nut 1/4	
5	3340829	2	Pad	
6	1001095650	AR	Adhesive	
7	1001284069	1	Bracket	
8	1001284433	2	Pin, Ball Locking	
9	1001284447	1	Pad	
10	1001288418	1	Decal - Boom Prop	
11	1001292606	1	Decal - Warning Boom Prop	

FIGURE 2-4. HOSE PULLEY ASSEMBLY

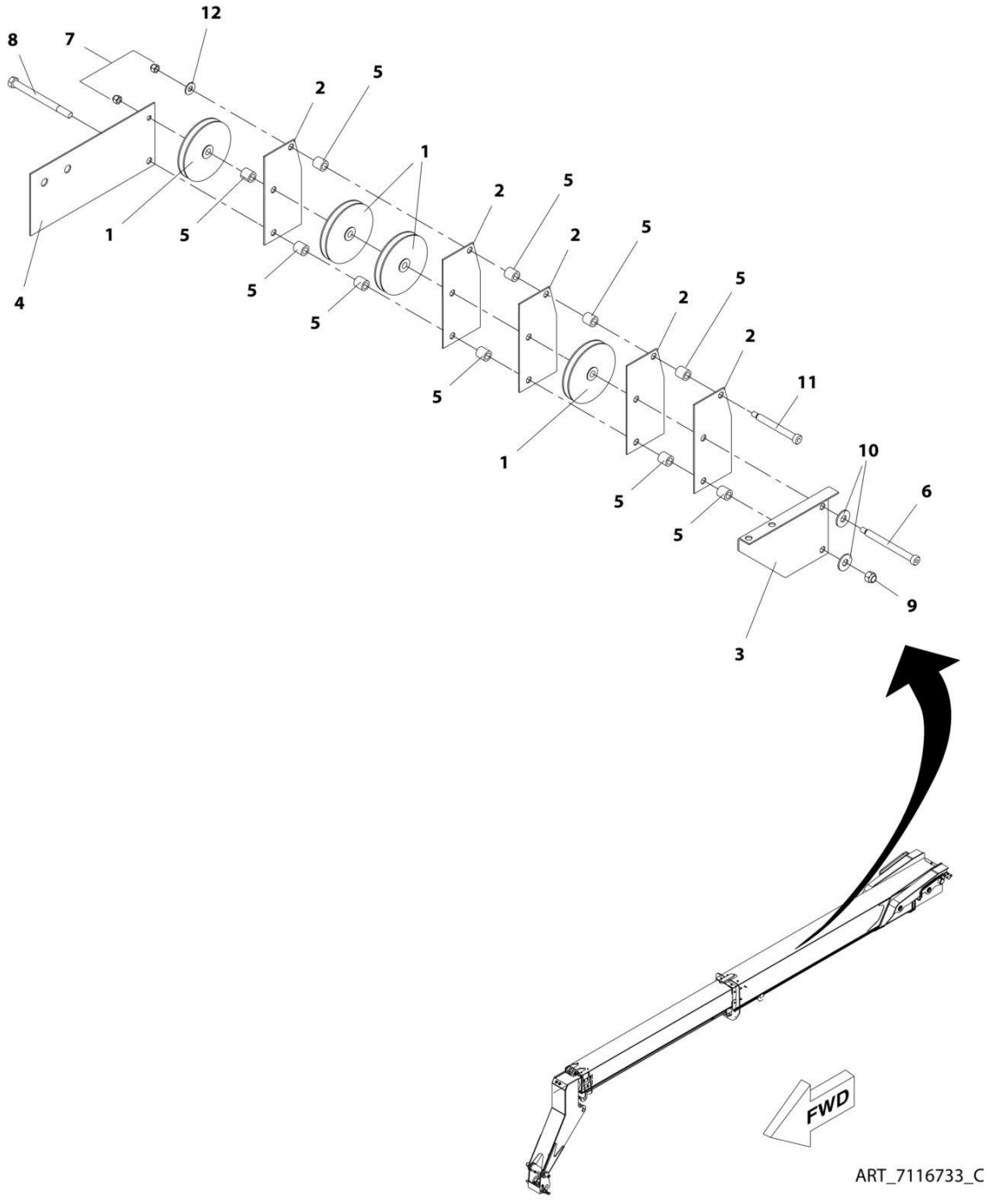


FIGURE 2-4. HOSE PULLEY ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7116733	Ref	Hose Pulley Assembly	C
1	7116812	4	Wheel, Roller	
2	7116642	5	Divider	
3	7116652	1	Bracket, RH	
4	7116662	1	Bracket, LH	
5	7116691	10	Spacer	
6	8310235	1	Screw, Shoulder 1/2X5	
7	8305645	2	Nut, Lock 3/8-16	
8	8310209	1	Bolt, 1/2-13X6	
9	8305644	1	Nut, Lock 1/2-13	
10	8307206	2	Washer, Plain 1/2	
11	8310245	1	Screw, Shoulder 1/2X4	
12	8307204	1	Washer, Plain 3/8	

FIGURE 2-5. LOCK PIN ASSEMBLY

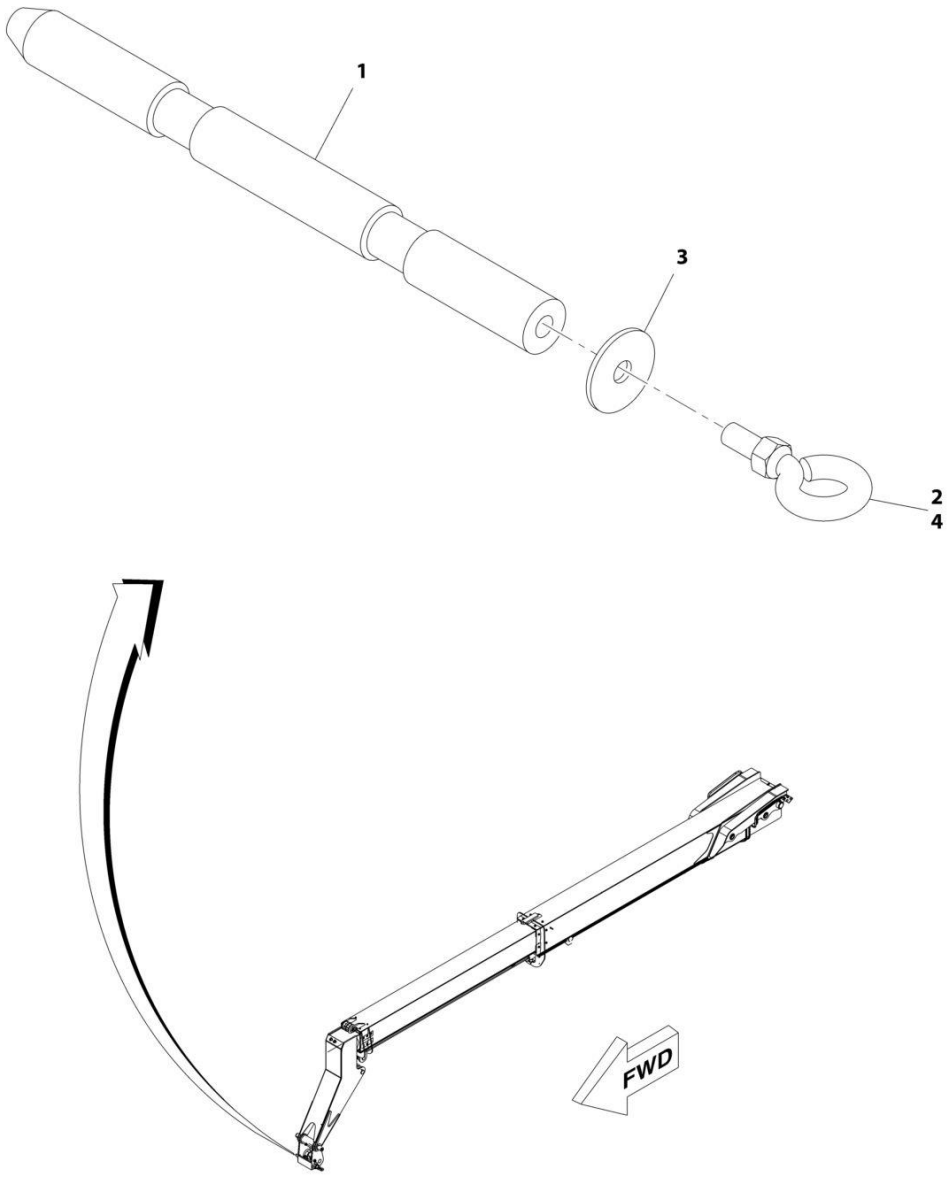
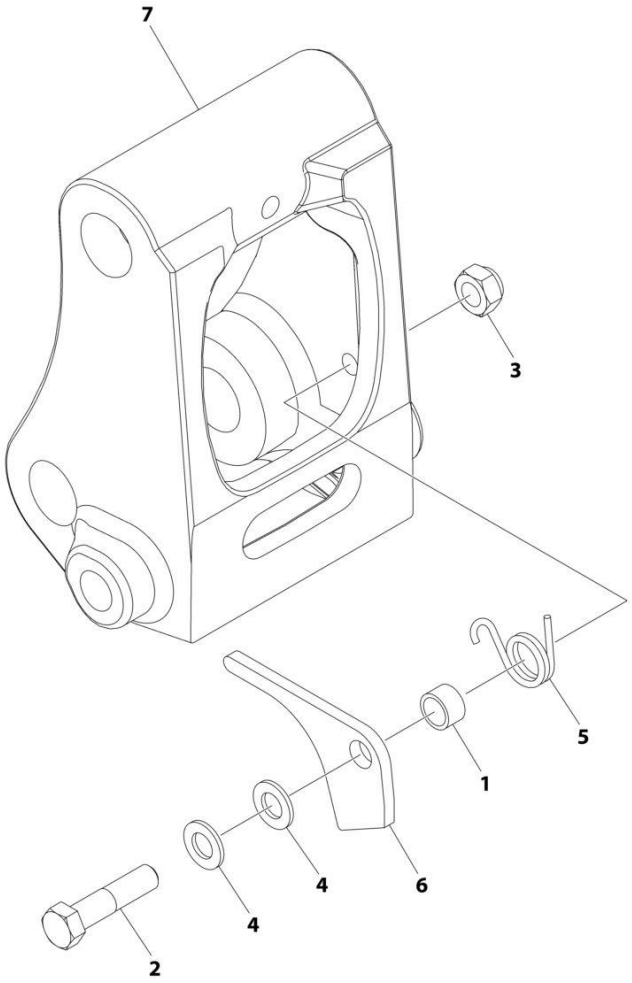


FIGURE 2-5. LOCK PIN ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7118892	Ref	Lock Pin Assembly	B
1	7118882	1	Pin	
2	8310266	2	Bolt, Eye 1/2-13X2	
3	8310276	3	Washer	
4	8526007	AR	Compound, Locking	

FIGURE 2-6. QUICK COUPLING ASSEMBLY



ART_1001242996_C

FIGURE 2-6. QUICK COUPLING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242996	Ref	COUPLER ASSEMBLY	C
1	7085571	1	Spacer	
2	8303640	1	Bolt	
3	8305619	1	Nut 3/4	
4	8307104	2	Washer 3/4	
5	1001243025	1	Spring, Torsion	
6	1001243026	1	Plate, Pin Latch	
7	1001243219	1	Coupler, Link	

FIGURE 2-7. RETRACT CHAIN AND CLEVIS ASSEMBLY

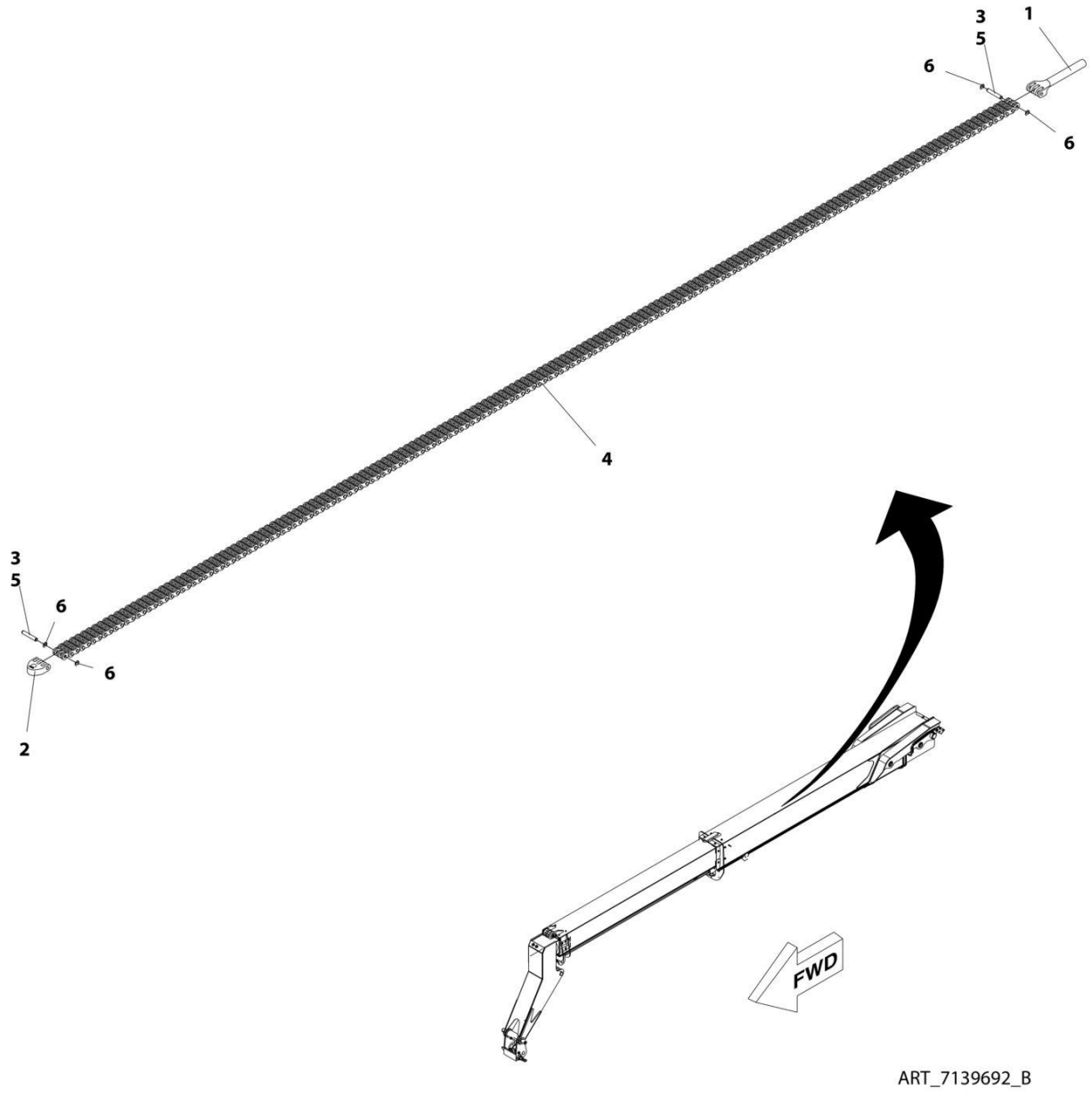


FIGURE 2-7. RETRACT CHAIN AND CLEVIS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139692	Ref	Chain and Clevis Assembly	B
1	7139032	1	Clevis, Female Anchor	
2	7139416	1	Clevis, Female Anchor	
3	8124138	2	Pin, Chain Clevis	
4	8127024	1	Chain, Leaf	
5	8522012	AR	Lube, Anti-Seize	
6	8642237	4	Ring, Retaining	

FIGURE 2-8. EXTEND CHAIN AND CLEVIS ASSEMBLY - BOOM SECOND SECTION

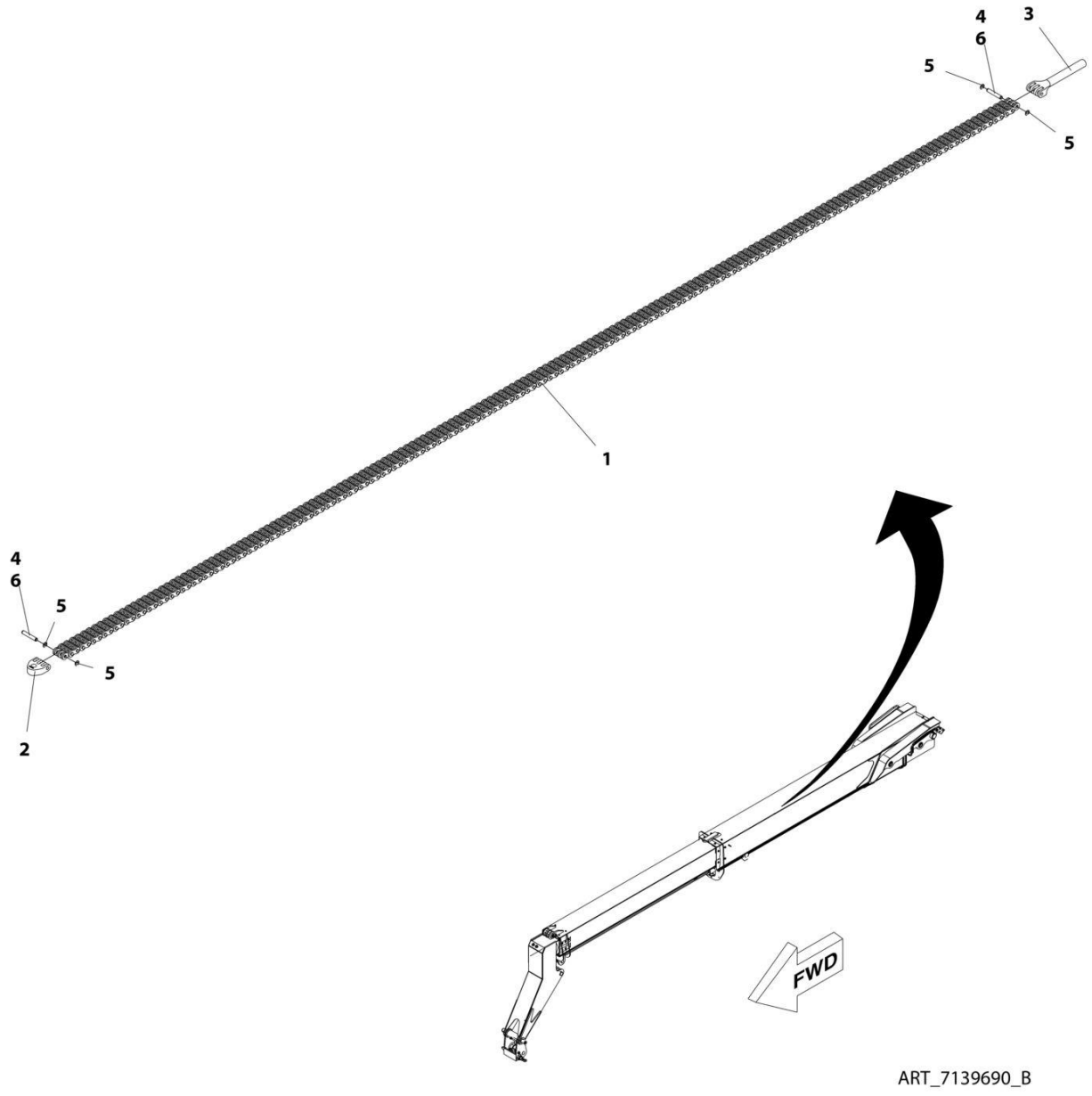


FIGURE 2-8. EXTEND CHAIN AND CLEVIS ASSEMBLY - BOOM SECOND SECTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139690	Ref	Extend Chain Assembly	B
1	8127022	1	Chain, Leaf	
2	7139416	1	Clevis, Female Anchor	
3	7139032	1	Clevis, Female Anchor	
4	8124138	2	Pin, Chain Clevis	
5	8642237	4	Ring, Retaining	
6	8522012	AR	Lube, Anti-Seize	

FIGURE 2-9. EXTEND CHAIN AND CLEVIS ASSEMBLY - BOOM THIRD SECTION

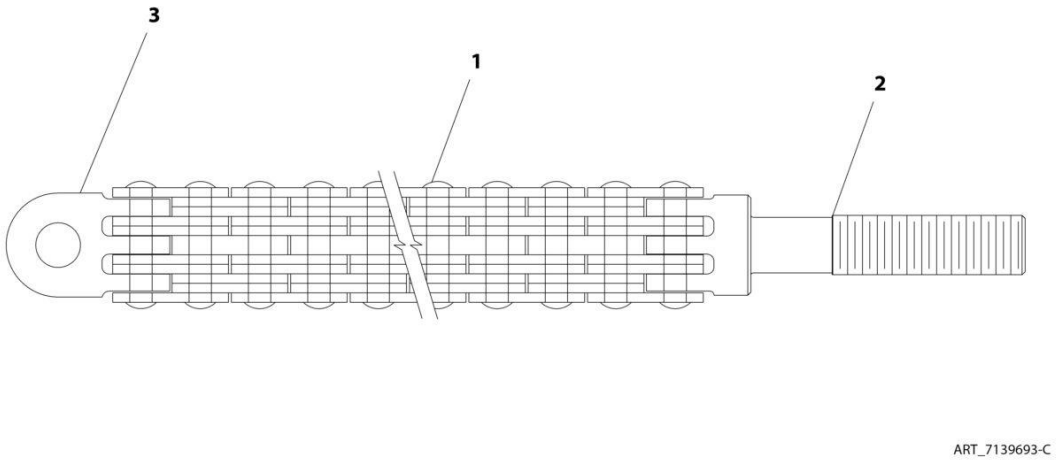


FIGURE 2-9. EXTEND CHAIN AND CLEVIS ASSEMBLY - BOOM THIRD SECTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139693	Ref	Extend Chain and Clevis Assembly - 10054	C
1	8127009	1	Chain	
2	7113952	1	Clevis, Anchor	
3	7113982	1	Clevis, Anchor	

FIGURE 2-10. HOSE AND CARRIER ASSEMBLY

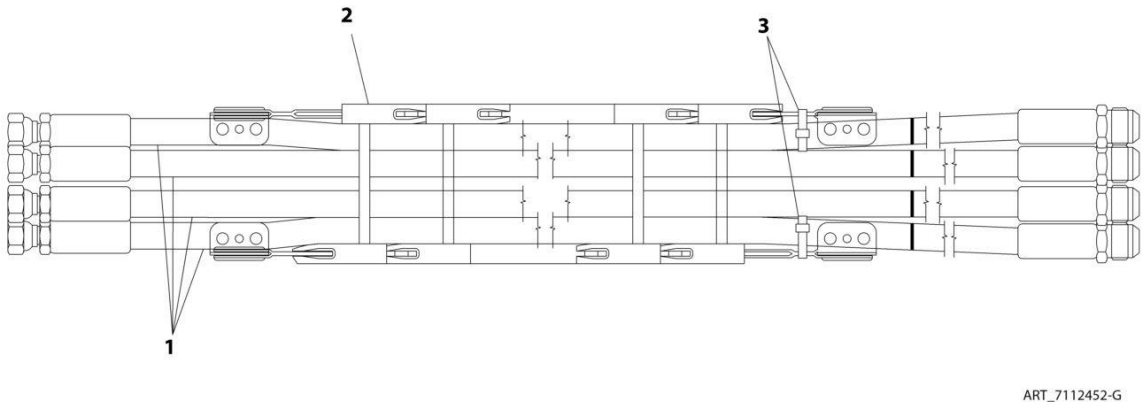


FIGURE 2-10. HOSE AND CARRIER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7112452	Ref	Hose and Carrier Assembly	G
1	2713642	4	Hose	
2	8584021	1	Carrier, Hose	
3	8584001	2	Wrap, Tie 3/16	

SECTION 3 - ATTACHMENTS

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

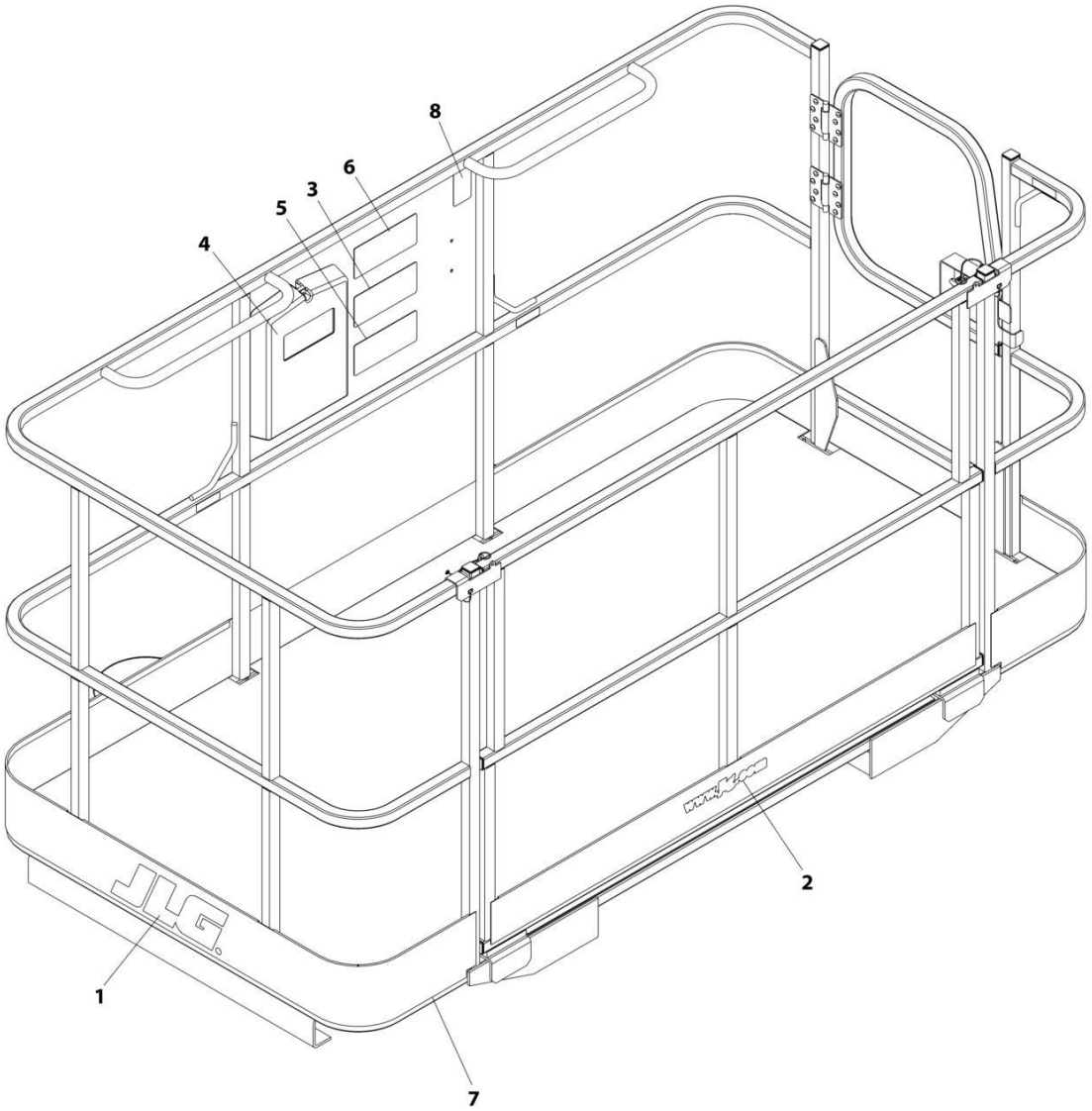


FIGURE 3-1. BASKET, PERSONNEL - 4FT X 8FT DOMESTIC)

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

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

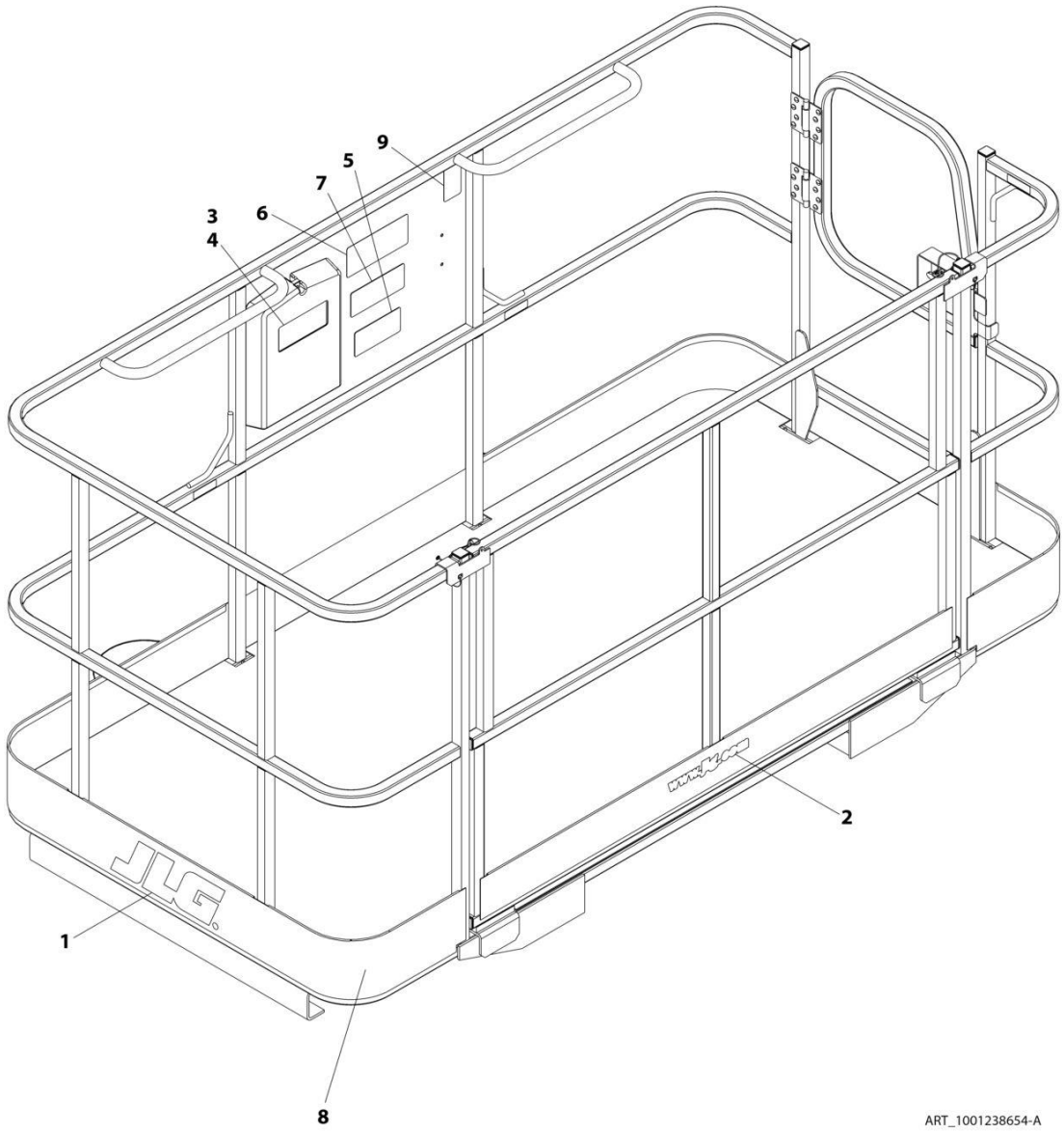


FIGURE 3-2. BASKET, PERSONNEL - 4FT X 8FT (ISO)

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

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

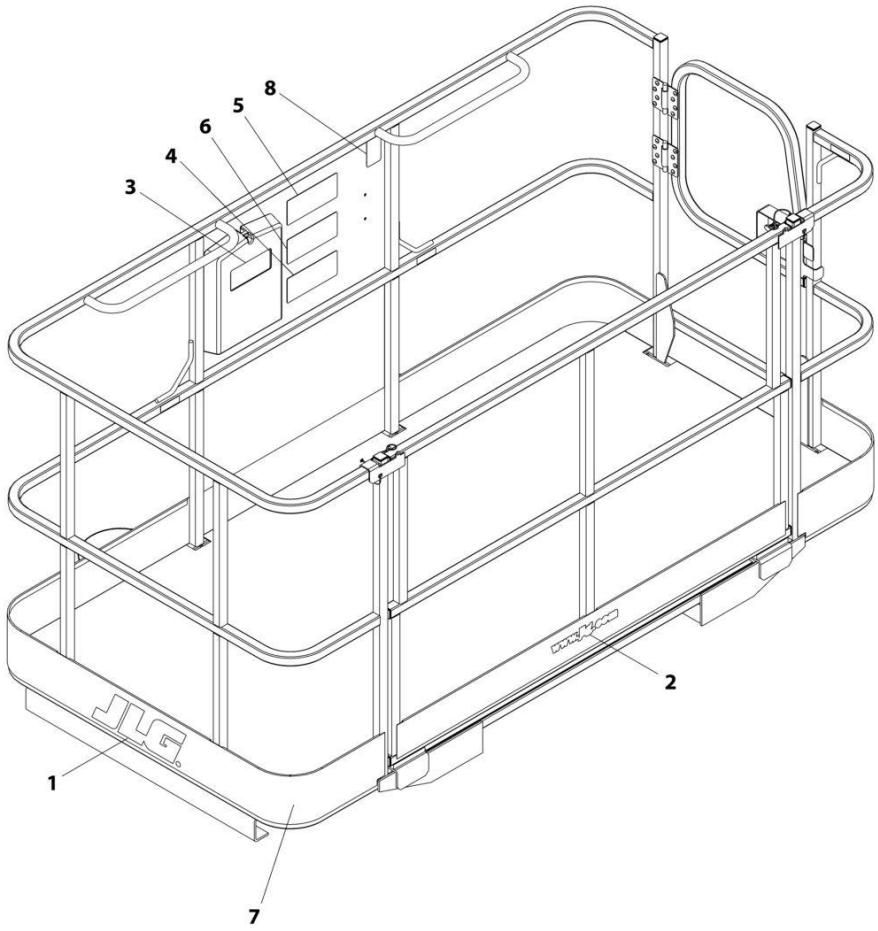


FIGURE 3-3. BASKET, PERSONNEL - 4FT X 8FT (FRENCH)

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

FIGURE 3-4. BASKET, FORK MOUNTED

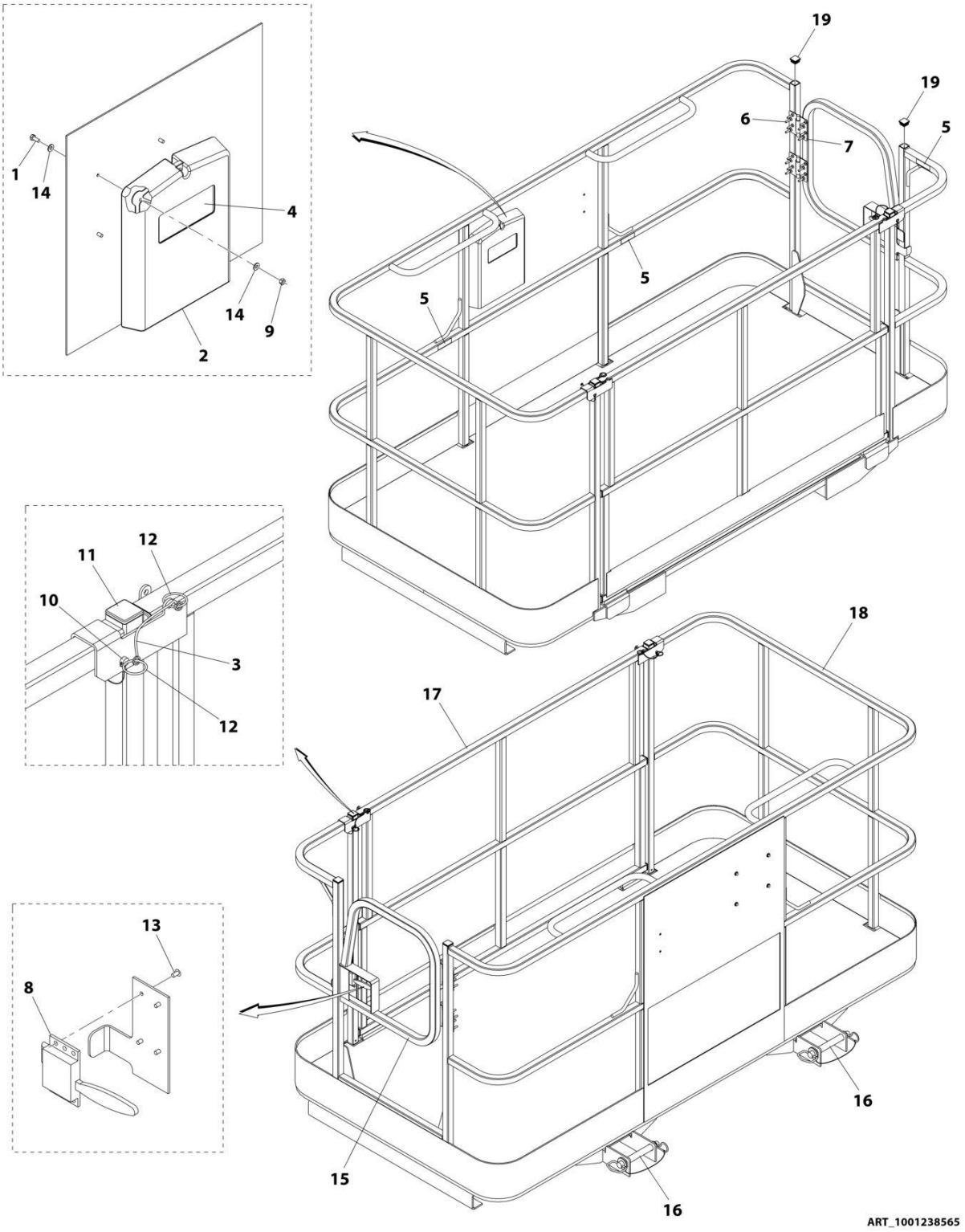


FIGURE 3-4. BASKET, FORK MOUNTED

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

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

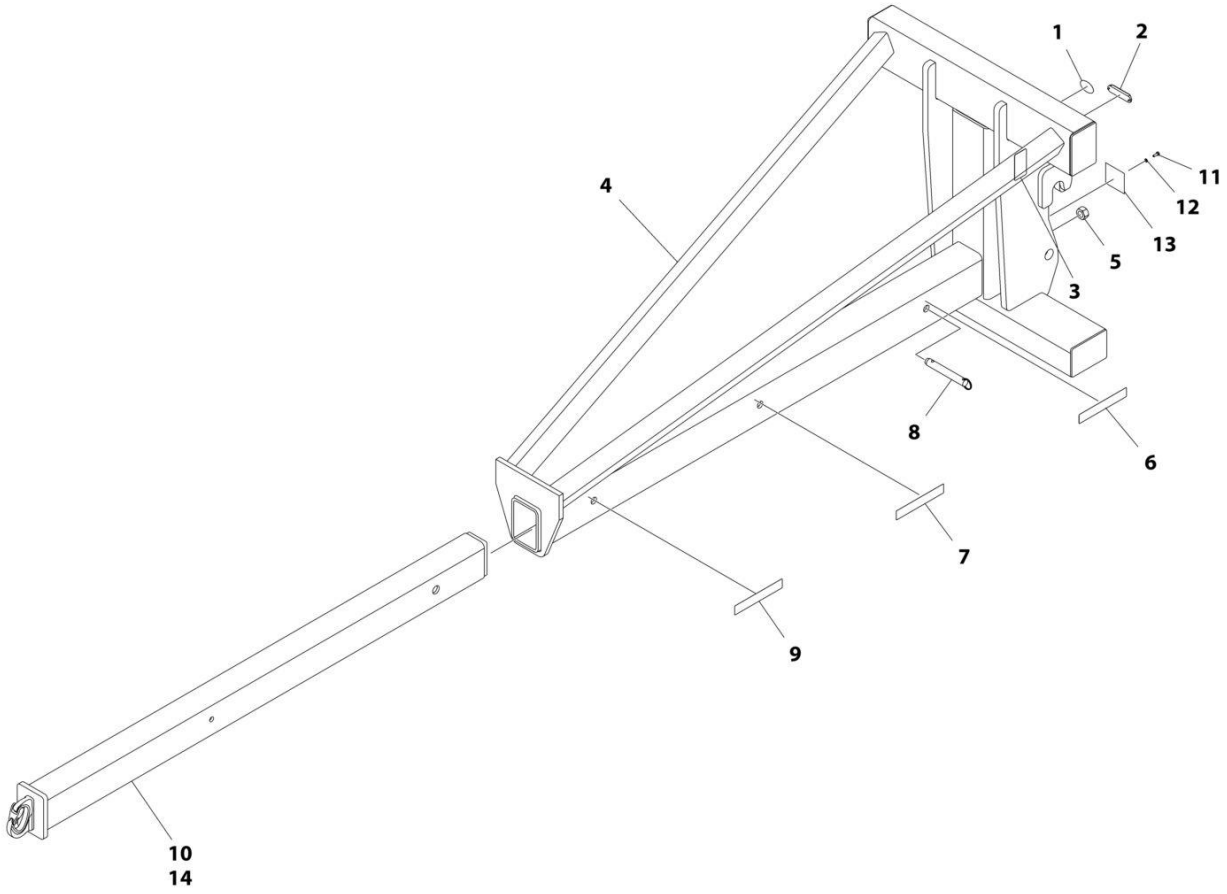


FIGURE 3-5. BOOM - ADJUSTABLE (CARRIAGE MOUNTED)

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

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

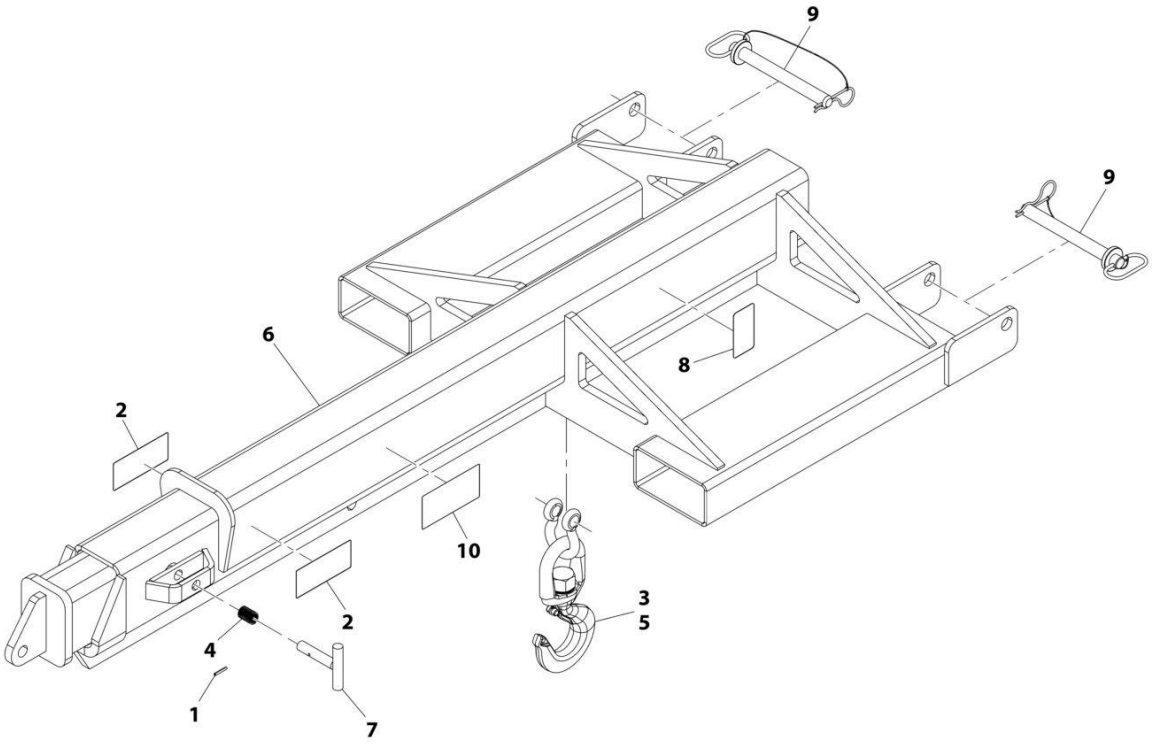


FIGURE 3-6. BOOM - ADJUSTABLE (FORK MOUNTED)

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

FIGURE 3-7. BOOM - 3FT WITH WINCH

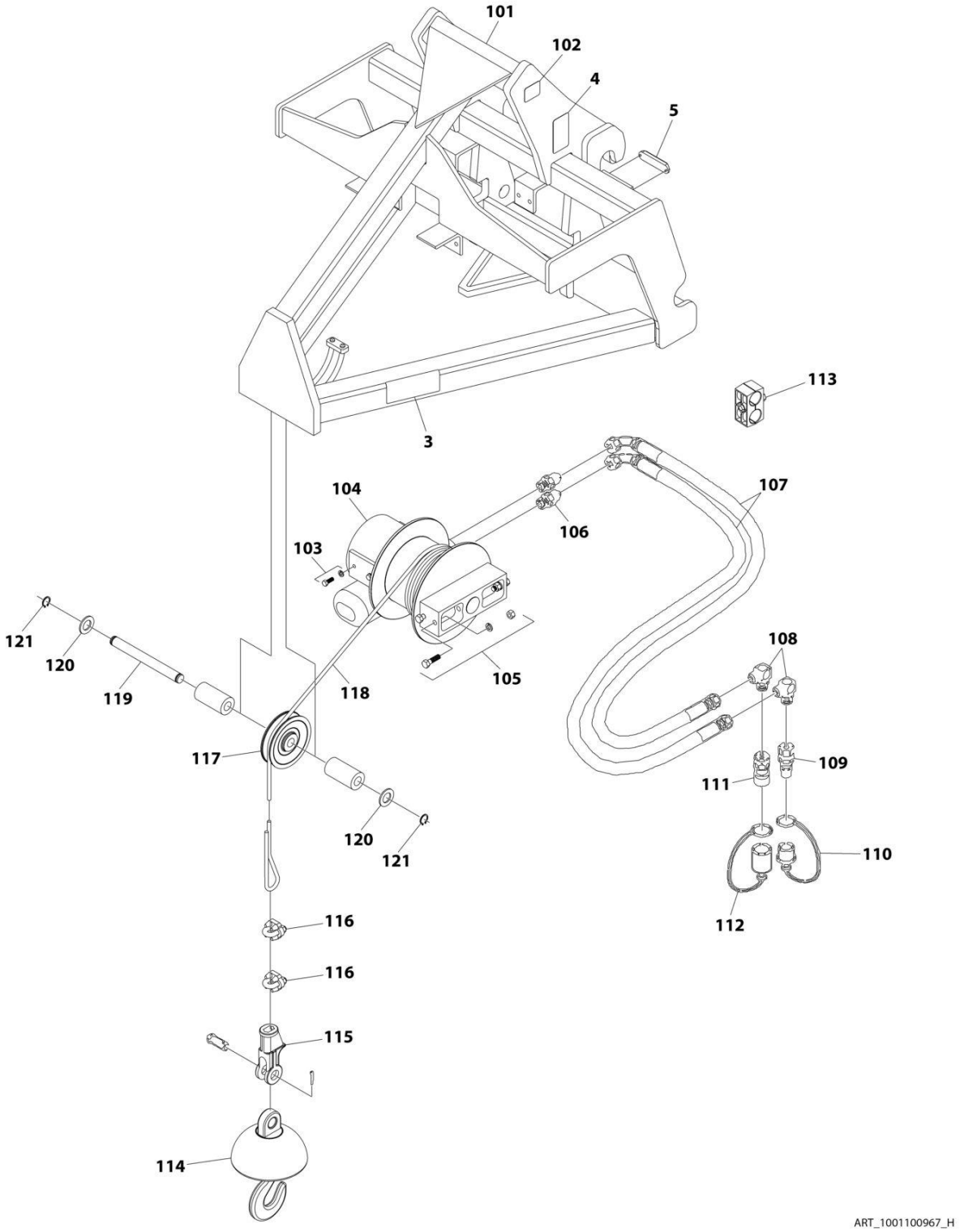


FIGURE 3-7. BOOM - 3FT WITH WINCH

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

FIGURE 3-8. BOOM - 12FT WITH WINCH

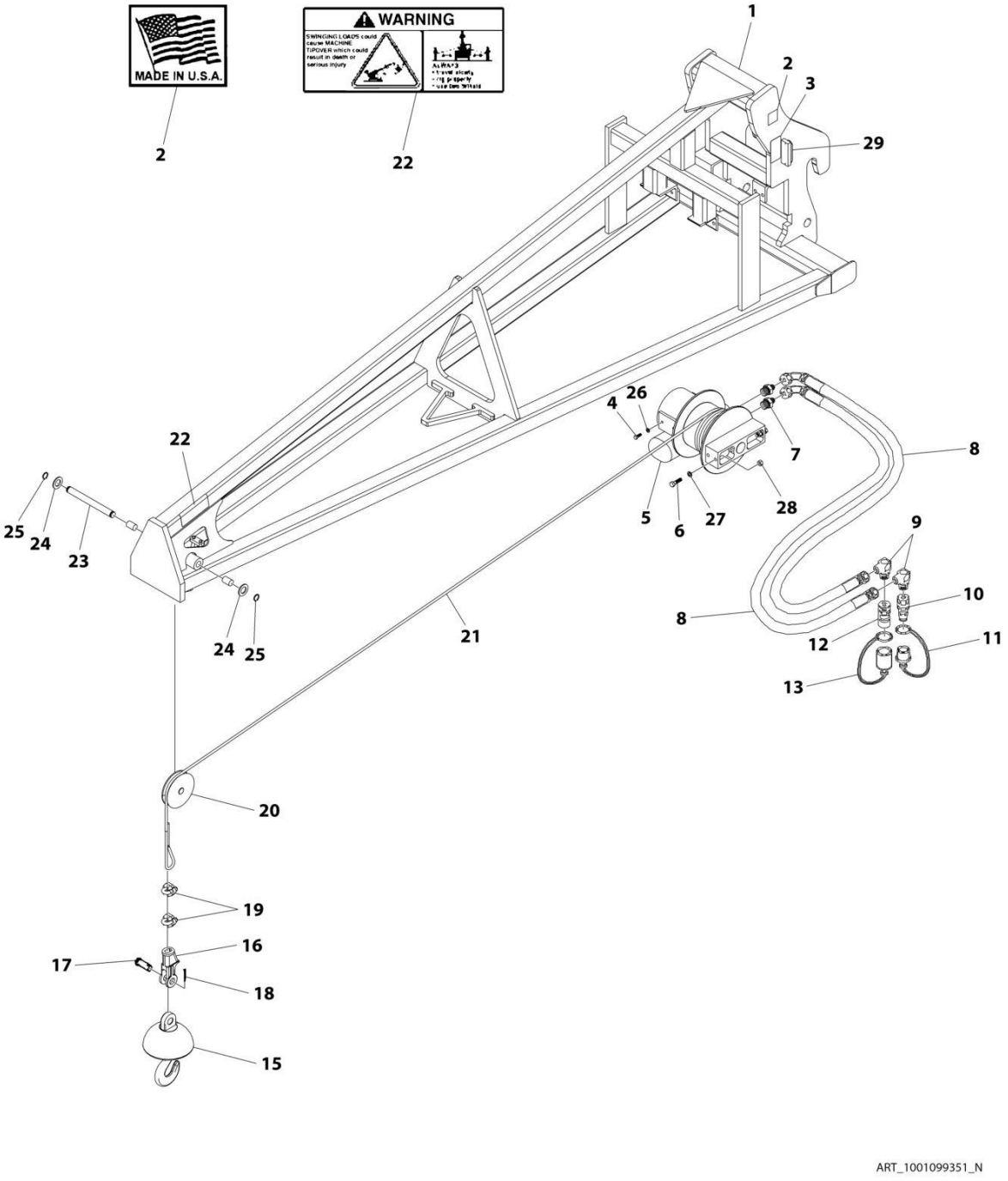


FIGURE 3-8. BOOM - 12FT WITH WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099351	Ref	TRUSS BOOM (0.9 TON - 3.7M WITH WINCH)	N
1	N.S.S.	1	Frame, Truss Boom	
2	90554016	1	Decal, Made in USA	
3	N.S.S.	1	S/N Plate	
4	70021349	4	Bolt 3/8 x 1	
5	70021921	1	Motor, Truss Boom Winch	
6	70024059	2	Bolt 1/2 x 1-3/4	
7	70021415	2	Connector	
8	70021977	2	Hose 32in (Boom Front Disconnect)	
8	70031445	2	Hose 48in (Boom Side Disconnect)	
9	70022527	2	Fitting, 90	
10	7029692	1	Fitting, Straight	
11	90554062	1	Cap, Dust	
12	70021342	1	Fitting, Straight	
13	90554076	1	Cap, Dust	
15	70021978	1	Ball Swivel with Safety Hook	
16	70021979	1	Assembly, Socket (includes items 17 thru 18)	
17	N.S.S.	1	Pin	
18	N.S.S.	1	Pin, Cotter	
19	70022528	2	Clamp	
20	70021935	1	Pulley	
21	70022028	1	Cable	
22	4110422	2	Decal, Warning Swinging Loads	
23	70022529	1	Pin	
24	70024060	2	Washer	
25	70026698	2	Ring, Snap	
26	90554042	4	Washer 3/8	
27	90554020	2	Washer 1/2	
28	90554054	2	Nut 1/2	
29	1001227670	1	Tag, RFID	

FIGURE 3-9. BOOM - 12FT WITHOUT WINCH

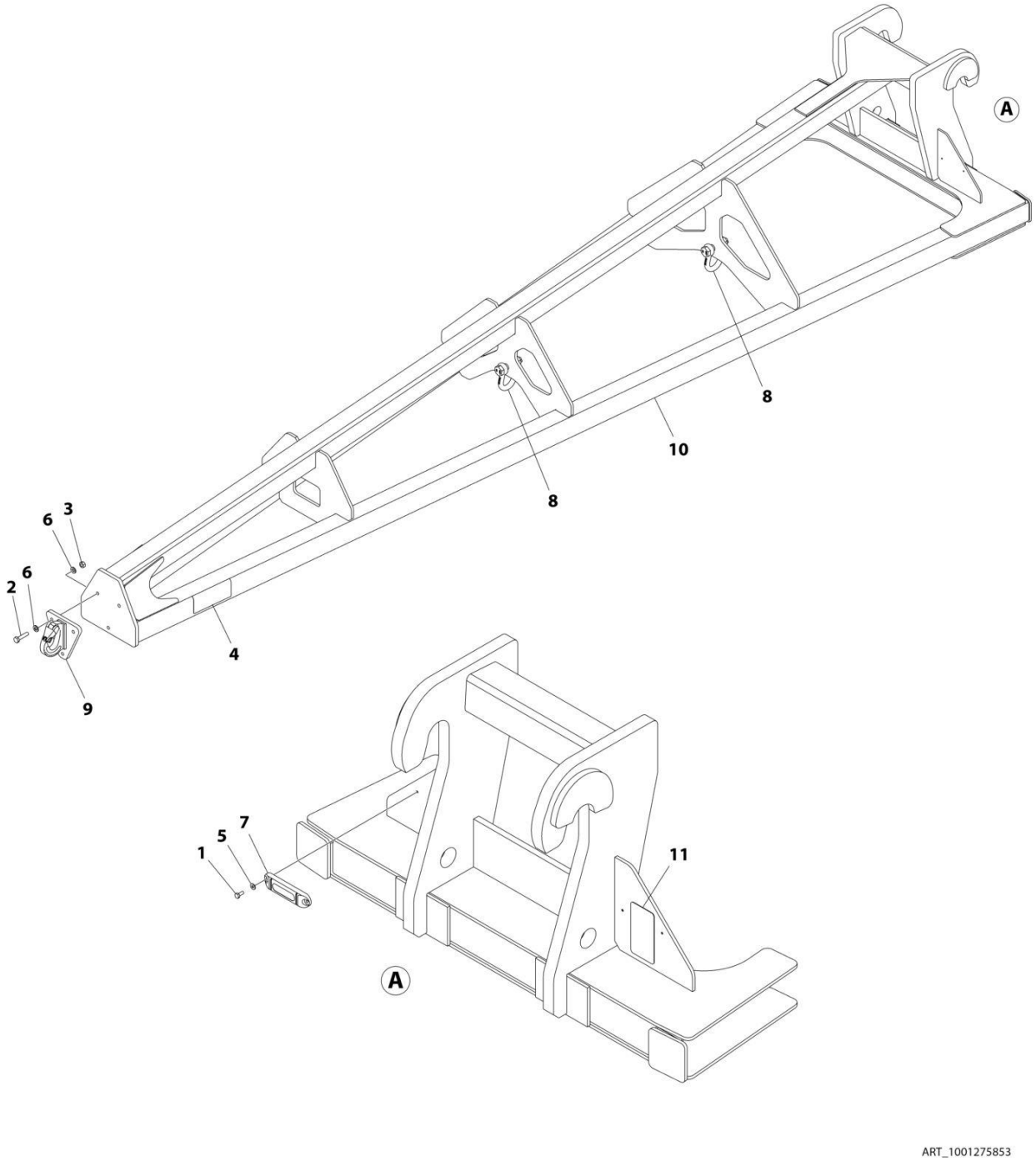


FIGURE 3-9. BOOM - 12FT WITHOUT WINCH

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

FIGURE 3-10. BOOM - 15FT WITHOUT WINCH

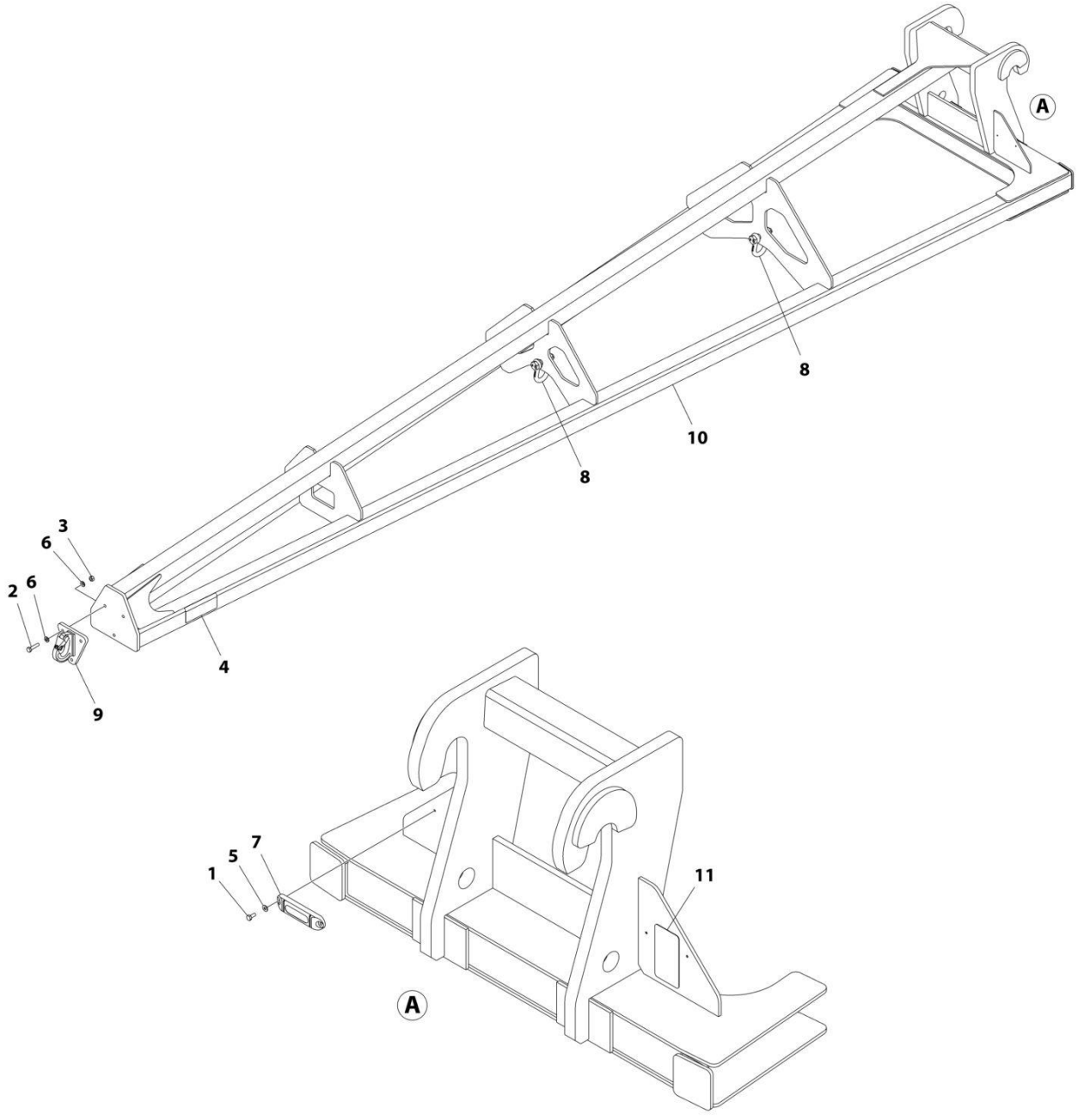


FIGURE 3-10. BOOM - 15FT WITHOUT WINCH

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

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

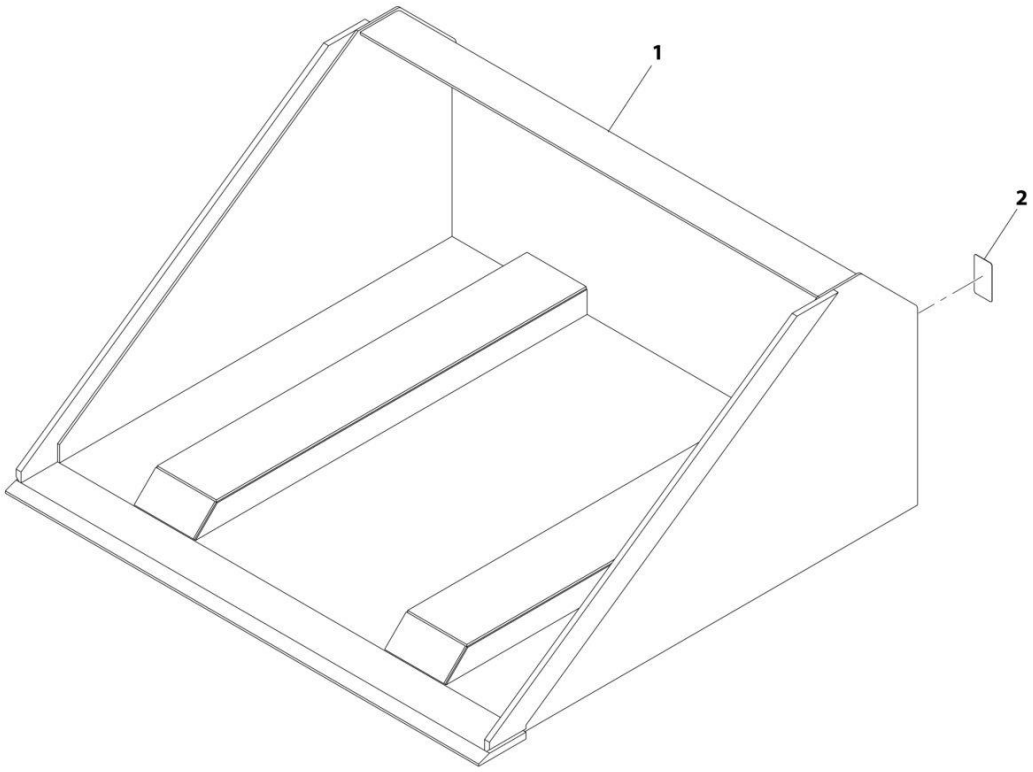


FIGURE 3-11. BUCKET - 60IN (1.3 CU YD) (FORK MOUNTED)

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

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

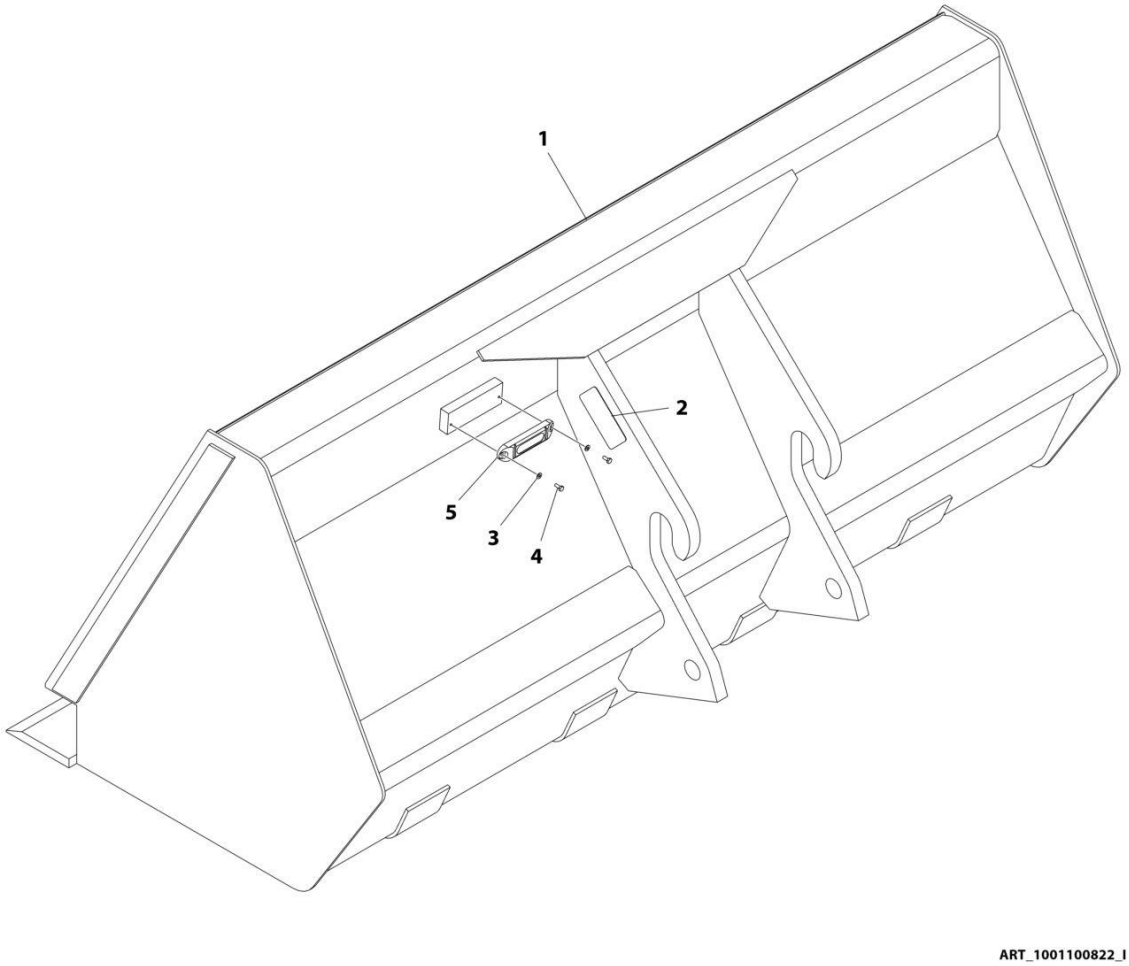


FIGURE 3-12. BUCKET - 72IN (1.0 CU YD)

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

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

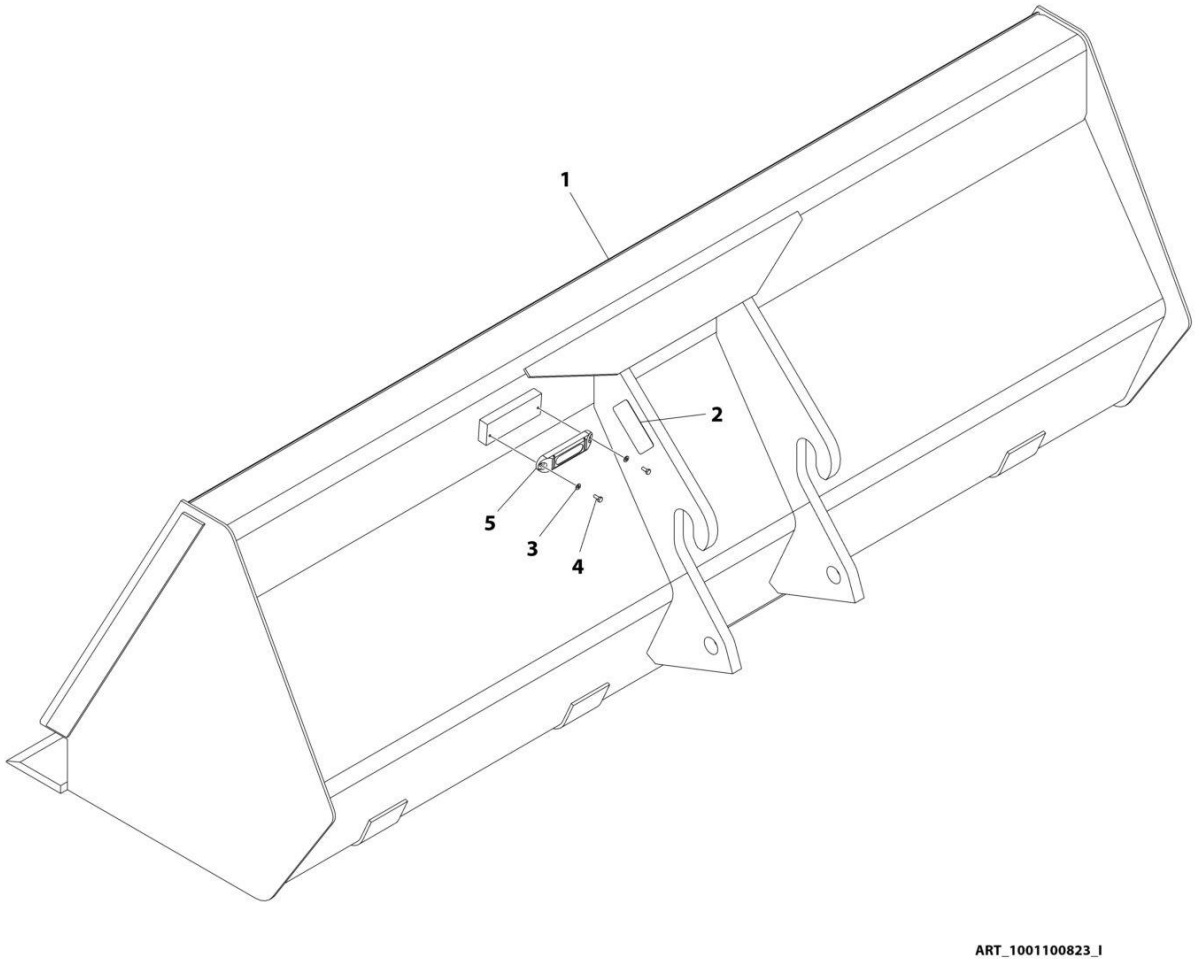


FIGURE 3-13. BUCKET - 96IN (1.5 CU YD)

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

FIGURE 3-14. BUCKET - 96IN GRAPPLE

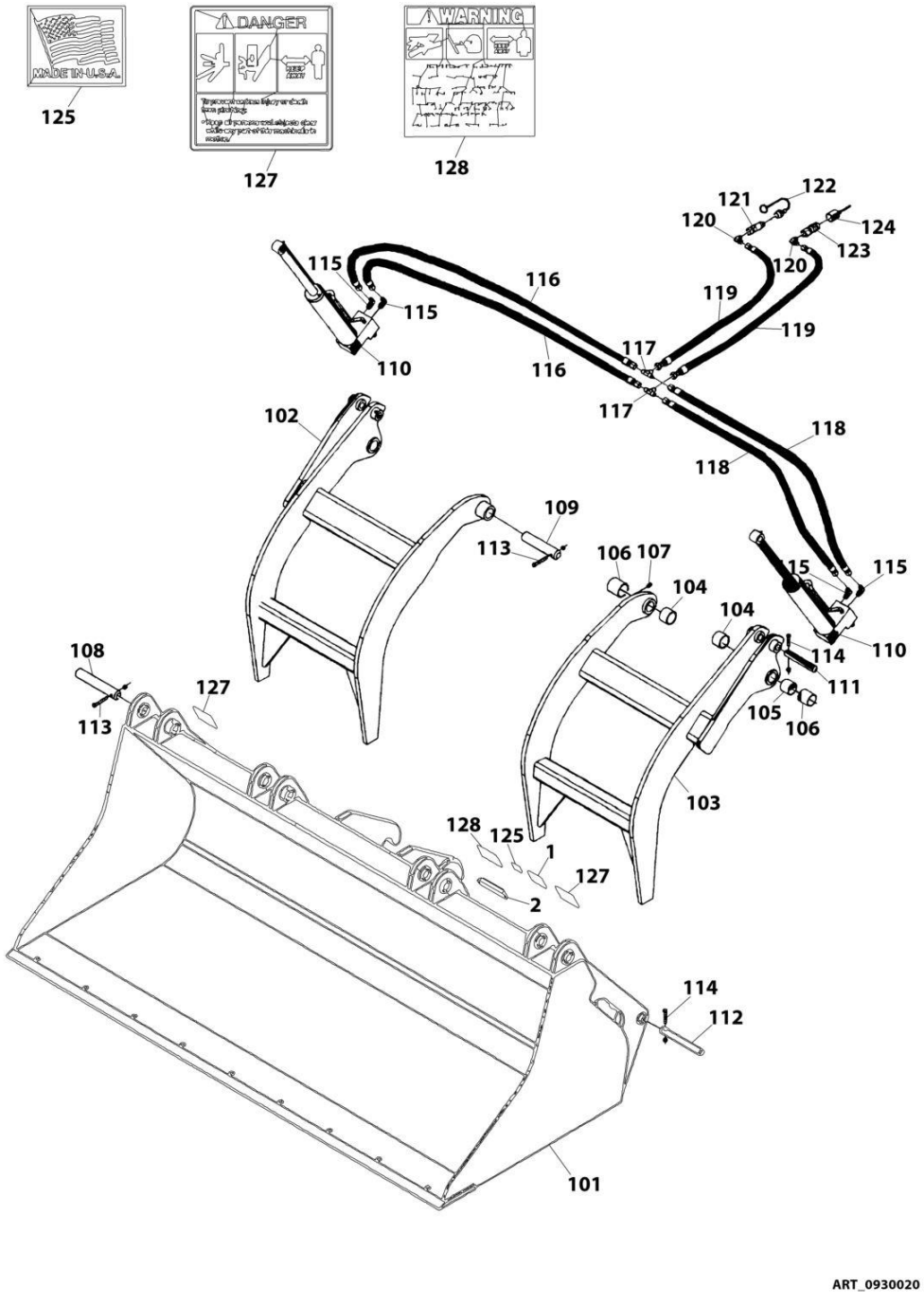


FIGURE 3-14. BUCKET - 96IN GRAPPLE

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

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

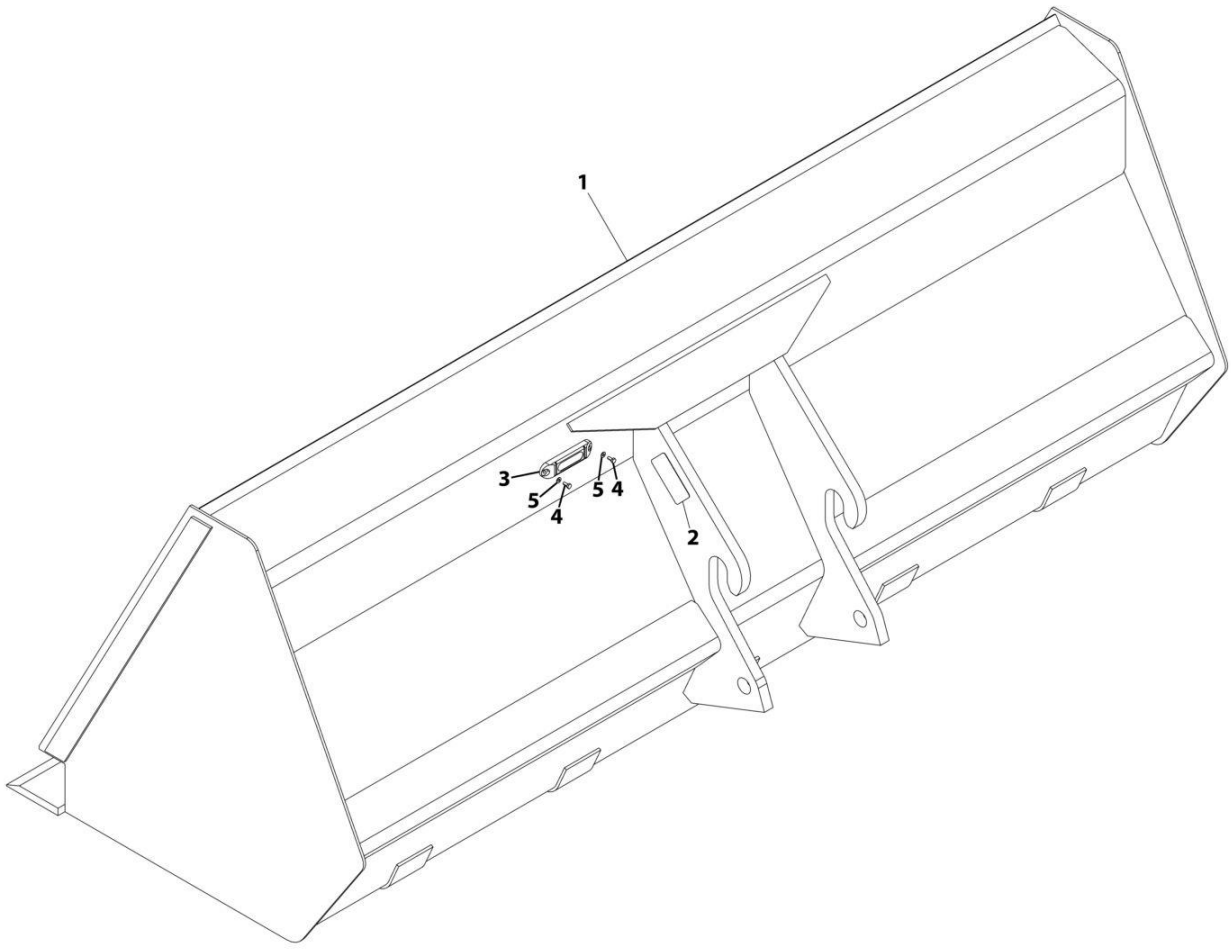


FIGURE 3-15. BUCKET - 102IN (2.0 CU YD)

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

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

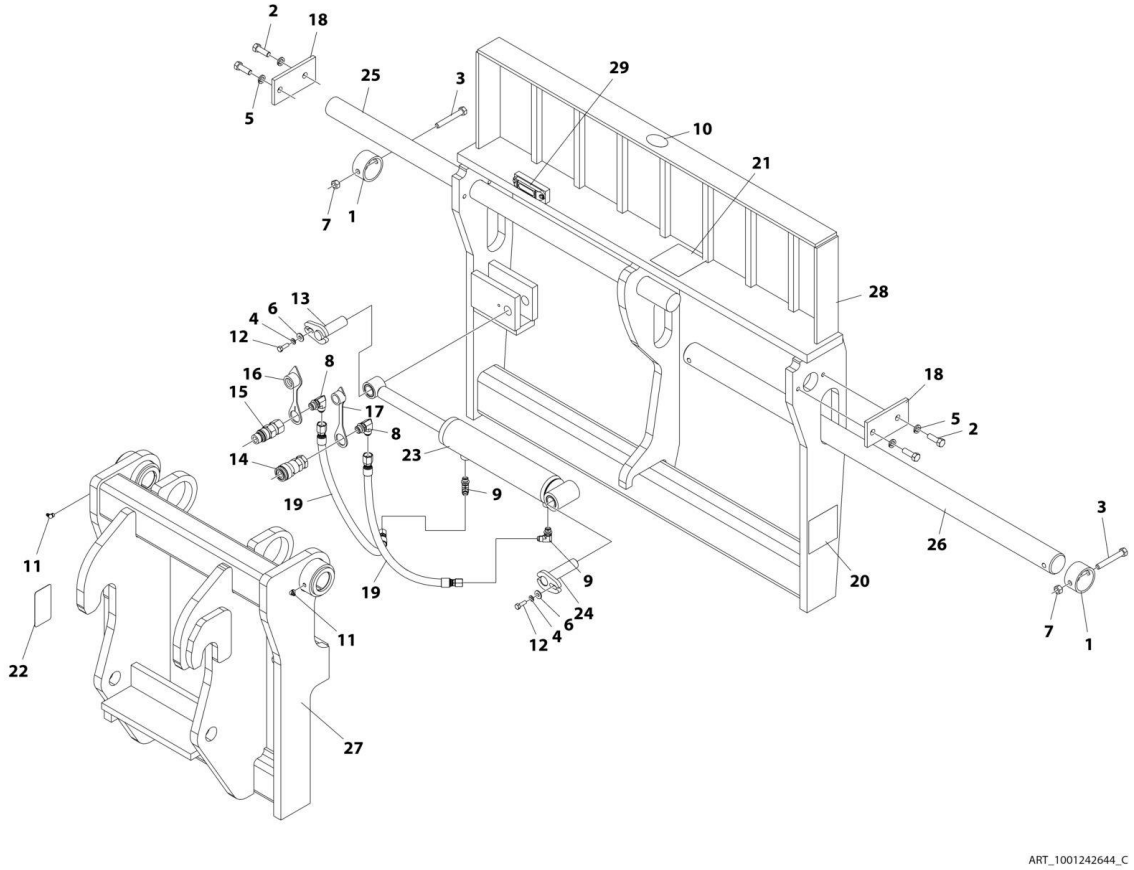


FIGURE 3-16. CARRIAGE ASSEMBLY - 48IN/12000# CAPACITY SIDE SHIFT

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

FIGURE 3-17. CARRIAGE ASSEMBLY - 50IN/10000# CAPACITY DUAL FORK POSITIONING

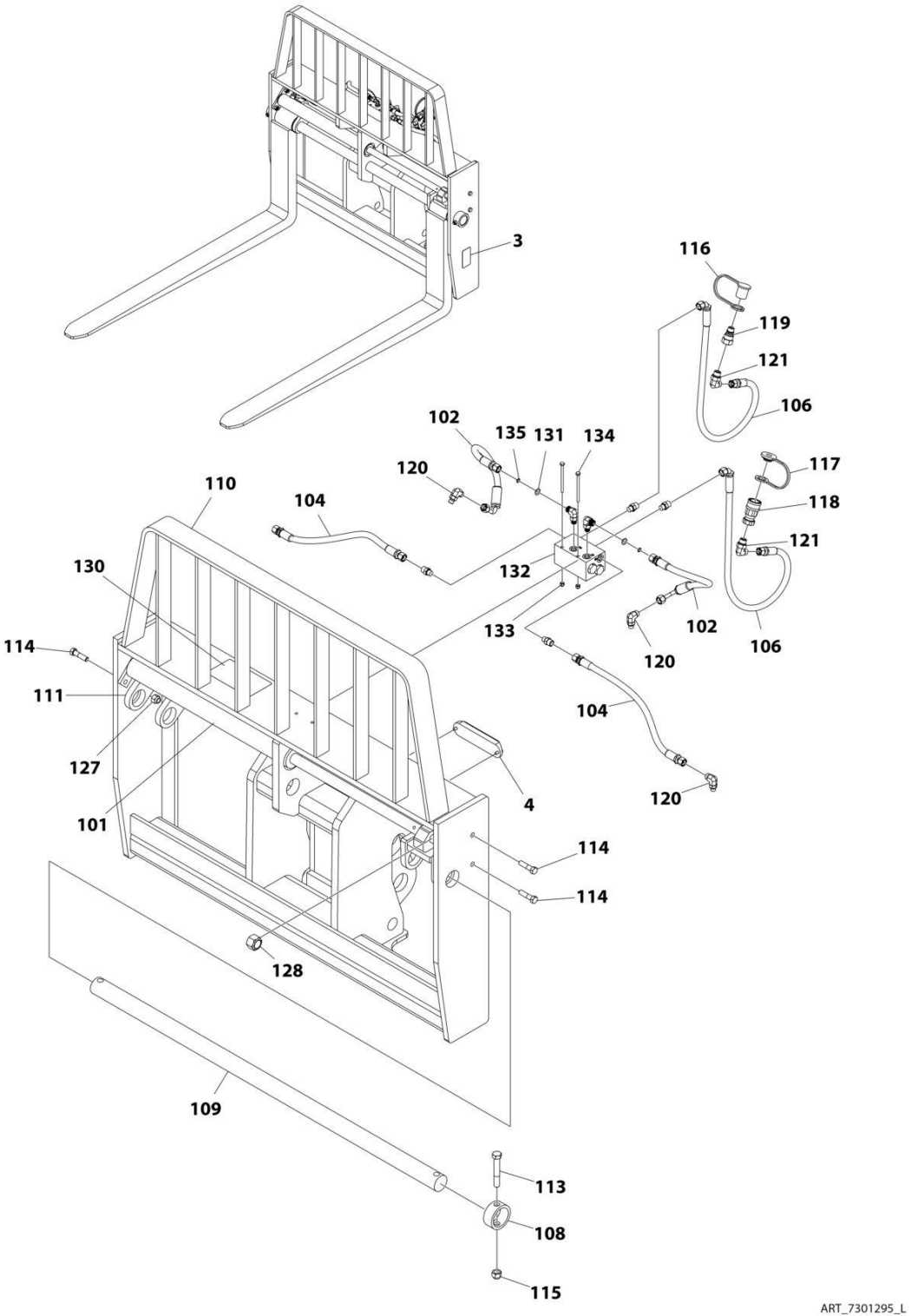


FIGURE 3-17. CARRIAGE ASSEMBLY - 50IN/10000# CAPACITY DUAL FORK POSITIONING

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

FIGURE 3-18. CARRIAGE ASSEMBLY - 50IN/12000# CAPACITY STANDARD

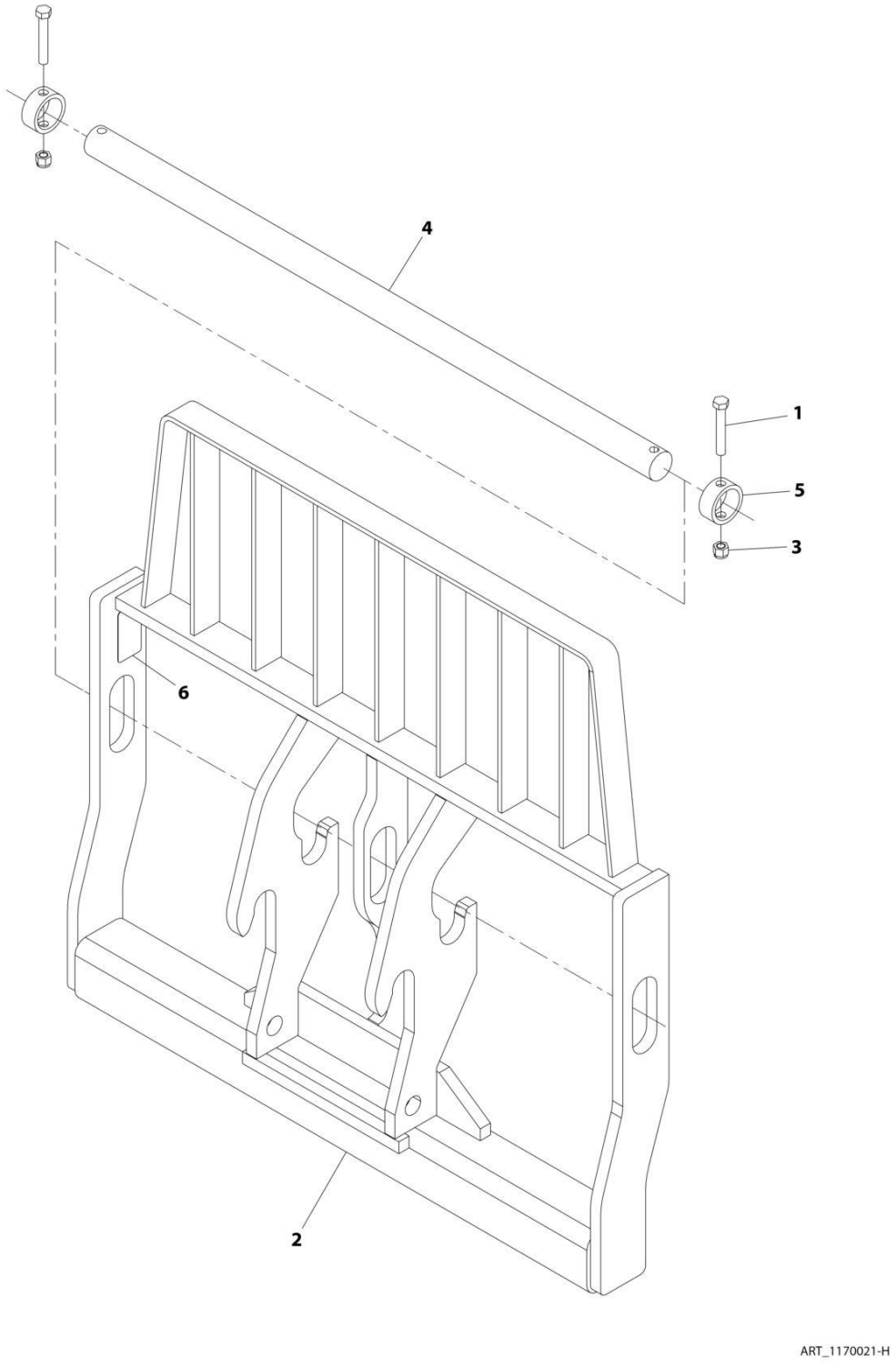


FIGURE 3-18. CARRIAGE ASSEMBLY - 50IN/12000# CAPACITY STANDARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170021	Ref	Carriage Assembly (50 INCH)	H
1	0642032	2	Bolt, 5/8-11X4	
2	1170012	1	Weldment, Carriage	
3	3300240	2	Nut, Lock 5/8-11	
4	3423275	1	Pin, Fork	
5	90200003	2	Collar, Fork Pin	
6	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	

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

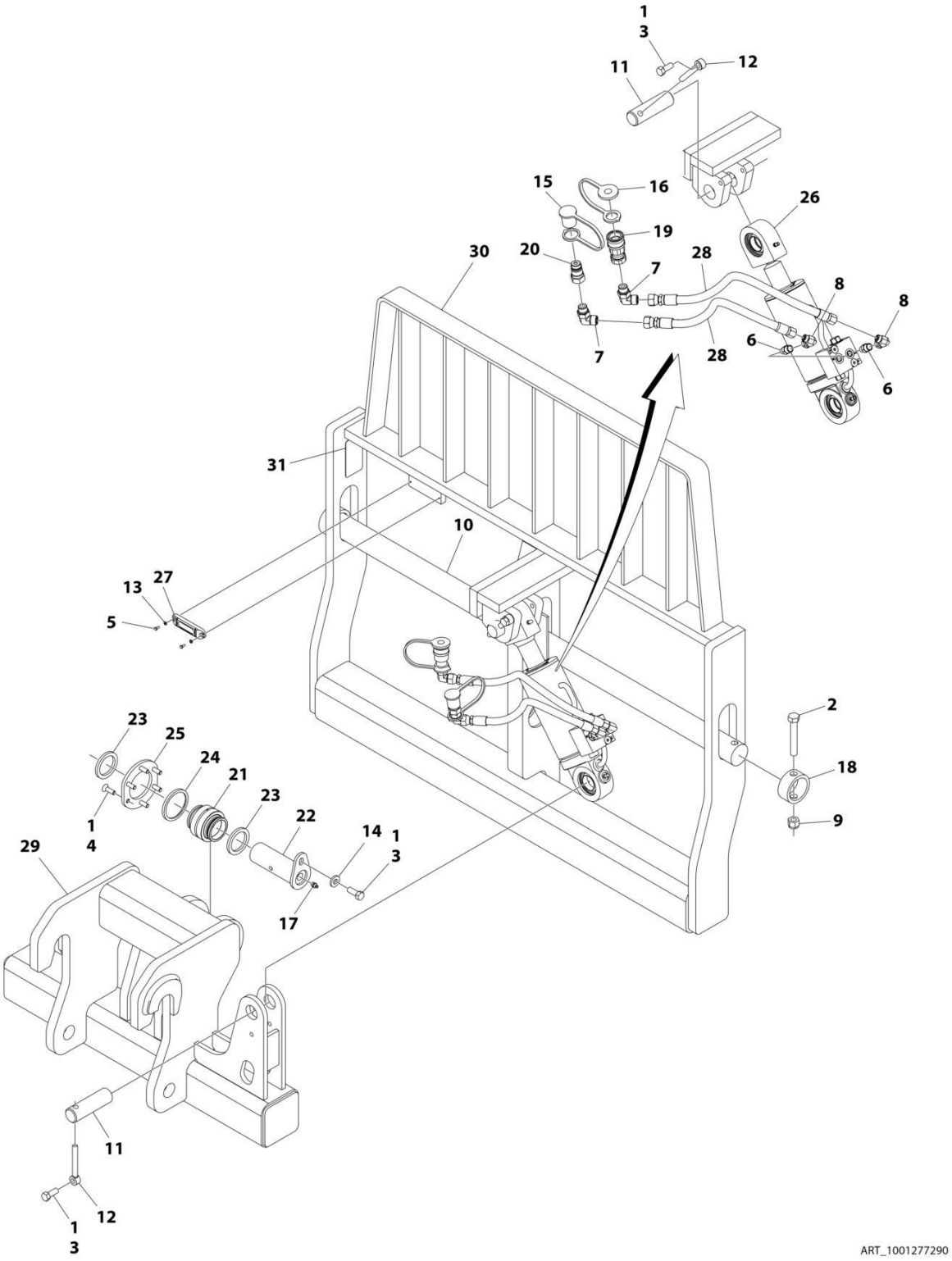


FIGURE 3-19. CARRIAGE ASSEMBLY - 50IN/12000# CAPACITY SIDE TILT

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

FIGURE 3-20. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY STANDARD

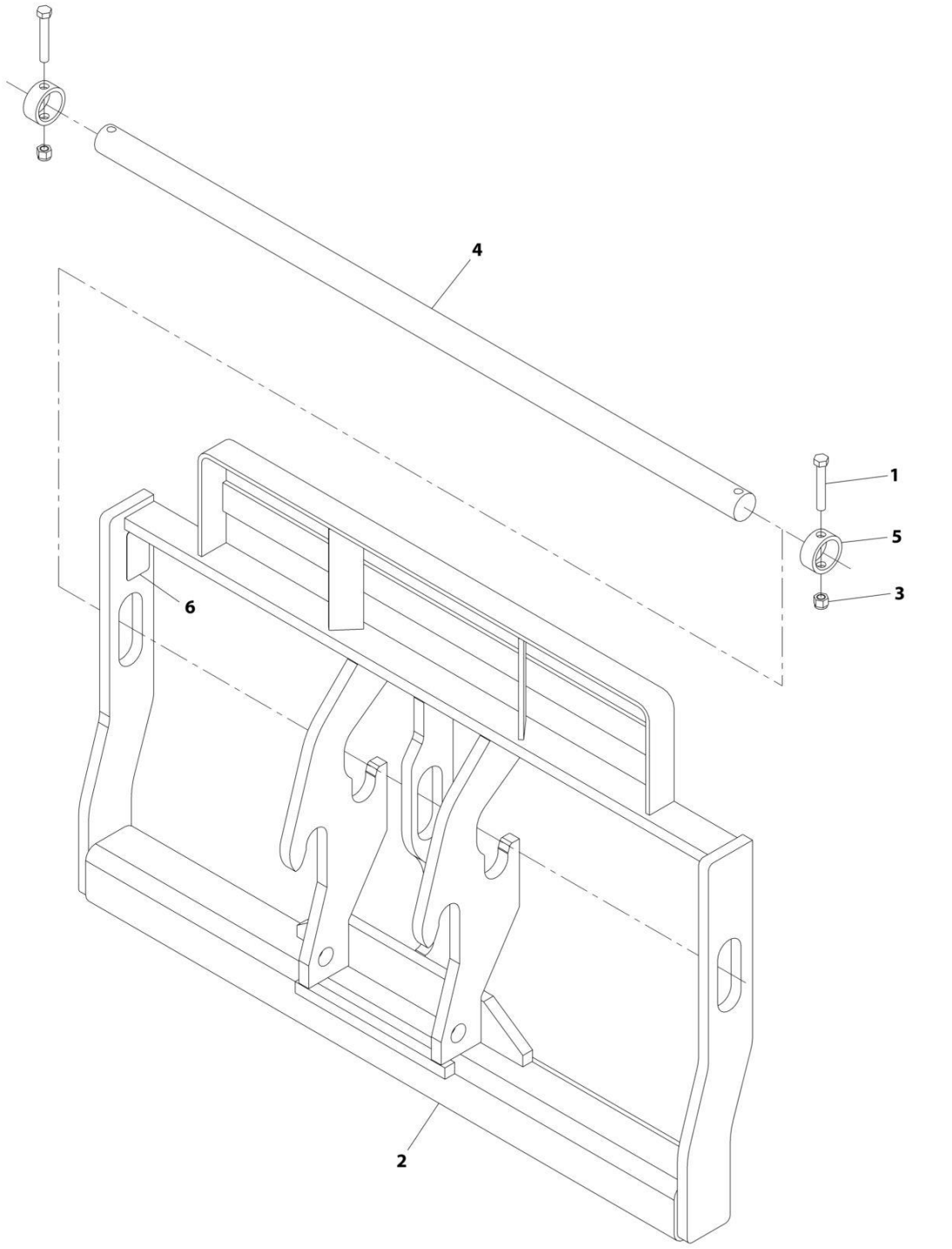


FIGURE 3-20. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY STANDARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170024	Ref	Carriage Assembly (1524 MM)	H
1	0642032	2	Bolt 5/8 x 4	
2	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
3	3300240	2	Nut 5/8	
4	3423242	1	Pin	
5	90200003	2	Sleeve	
6	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	

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

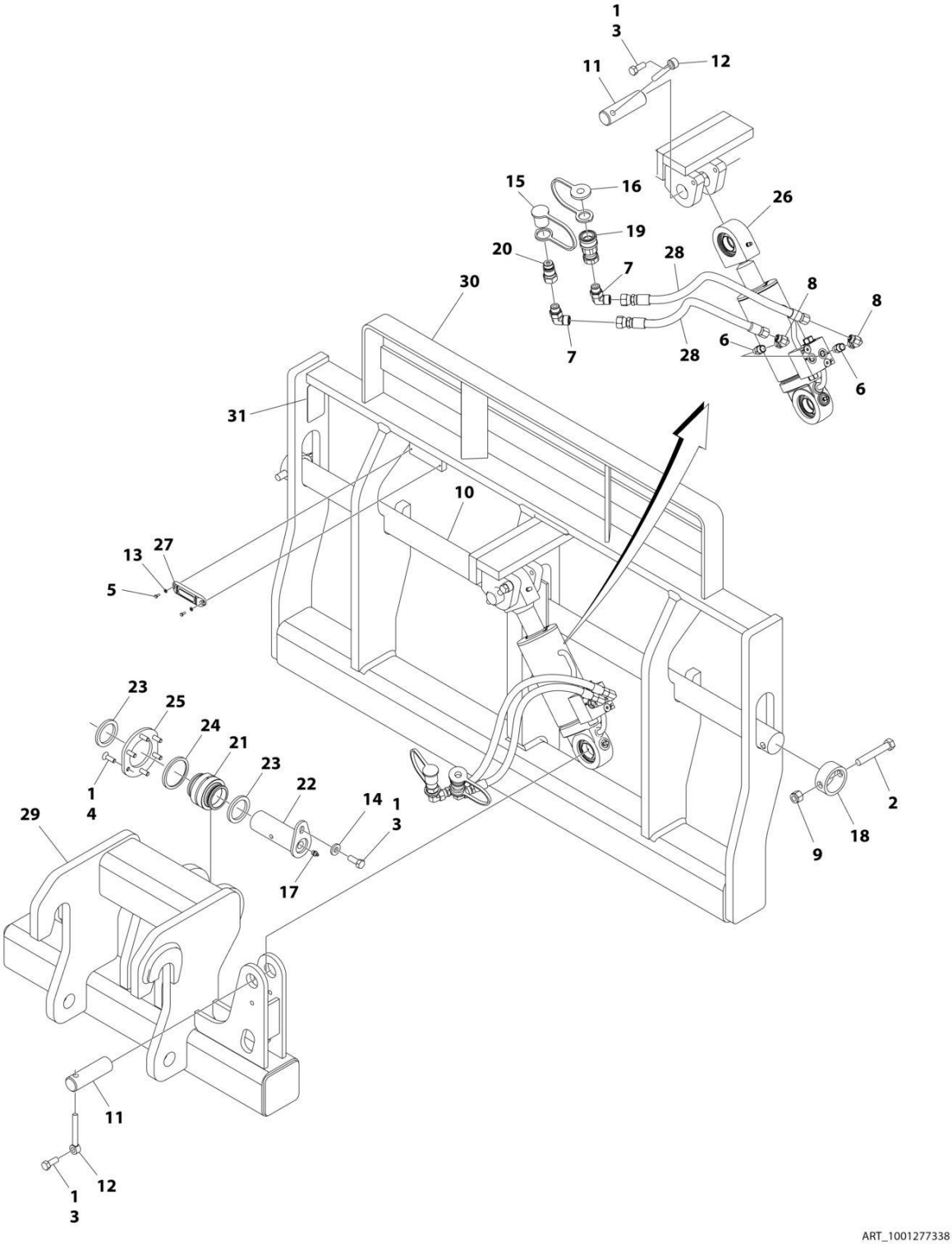


FIGURE 3-21. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY SIDE TILT

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

FIGURE 3-22. CARRIAGE ASSEMBLY - 72IN/10000# CAPACITY 90 DEGREE SWING (Prior to SN 0160129983)

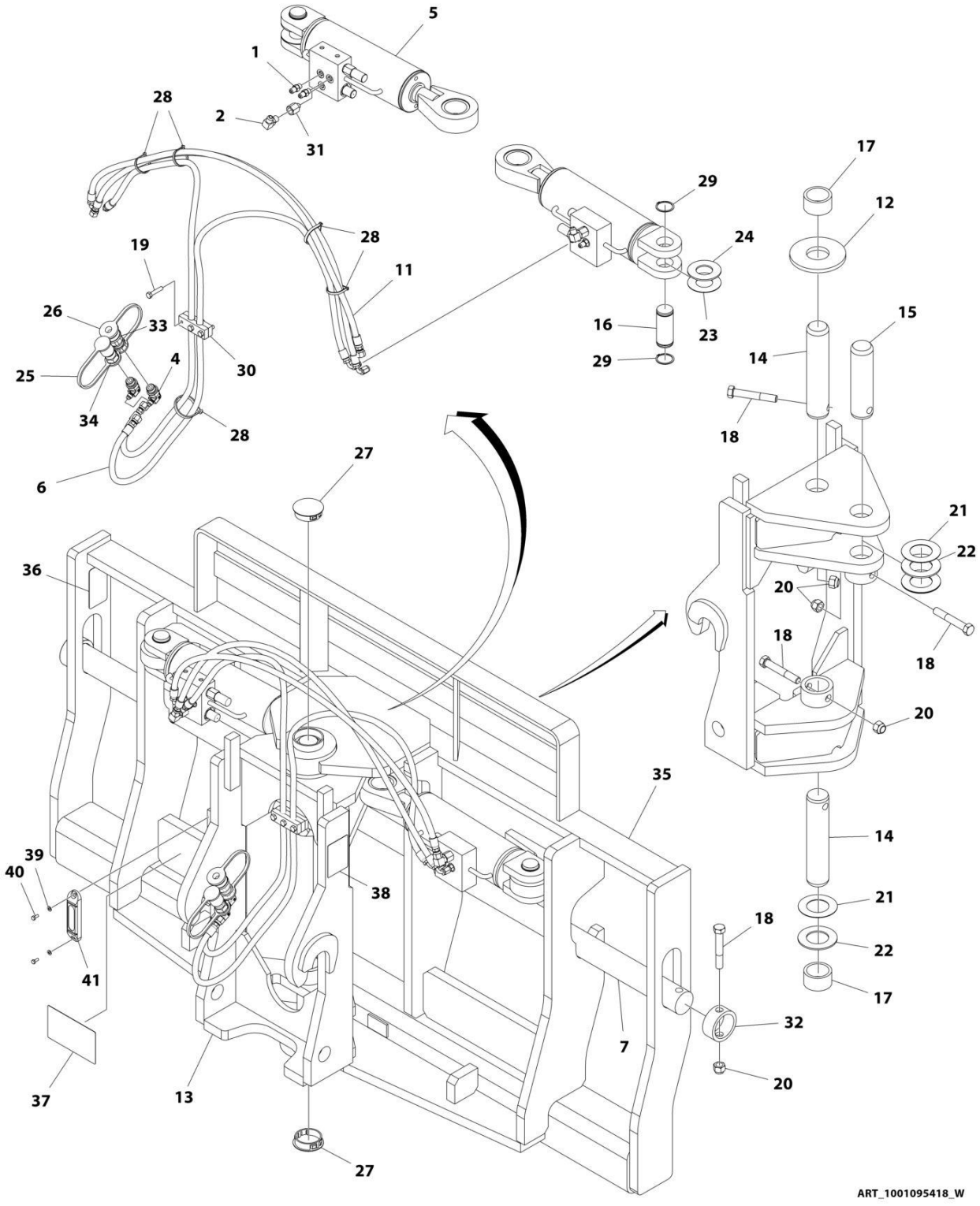


FIGURE 3-22. CARRIAGE ASSEMBLY - 72IN/10000# CAPACITY 90 DEGREE SWING (Prior to SN 0160129983)

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

FIGURE 3-23. CARRIAGE ASSEMBLY - 72IN/10000# CAPACITY 90 DEGREE SWING (SN 0160130145 to Present)

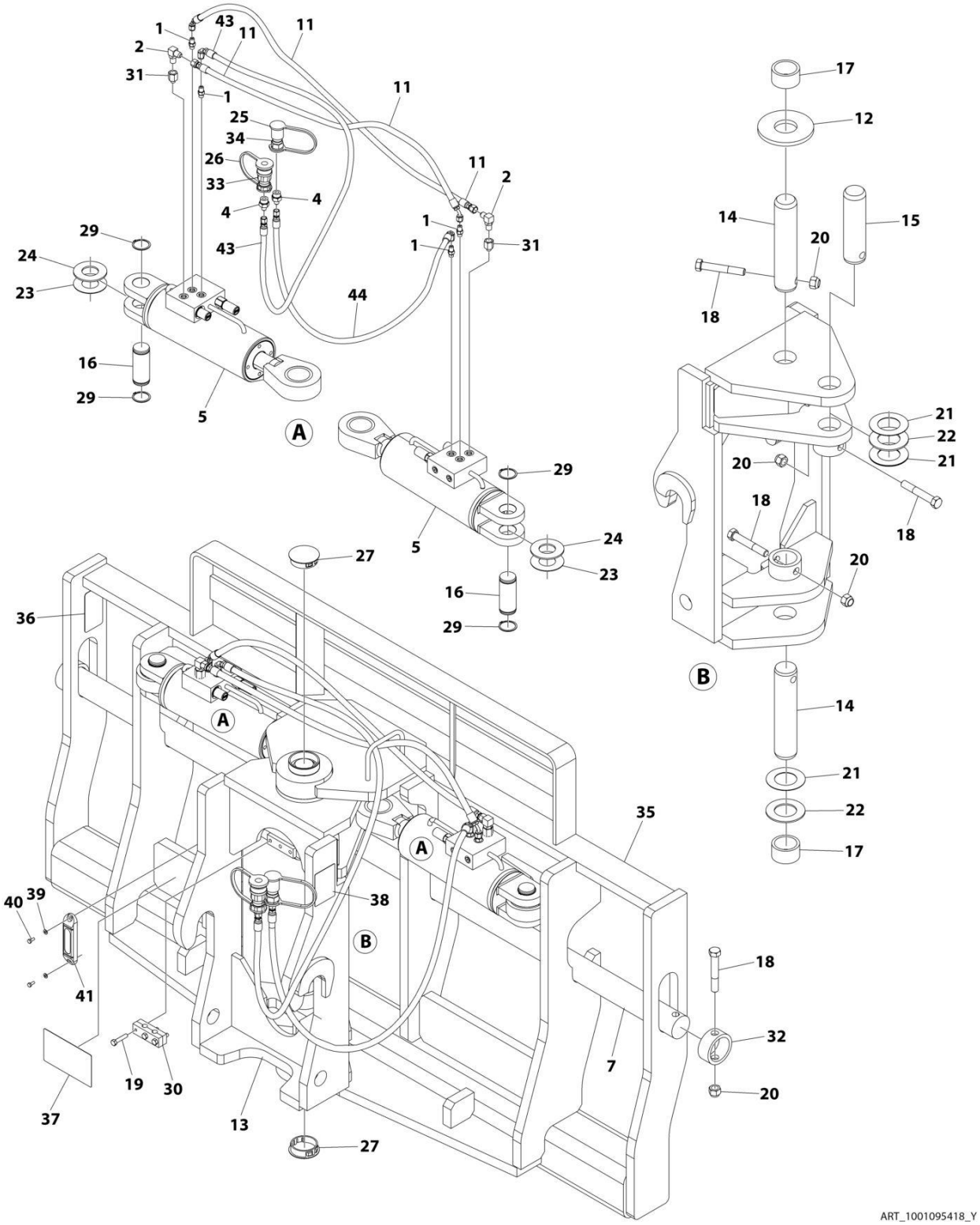


FIGURE 3-23. CARRIAGE ASSEMBLY - 72IN/10000# CAPACITY 90 DEGREE SWING (SN 0160130145 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095418	Ref	CARRIAGE ASSEMBLY - SWING (72 INCH)	Y
1	2220415	4	Fitting, Straight ORFS	
2	2220473	2	Fitting, 90 ORFS	
4	2220468	2	Fitting, Straight JIC/ORB	
5	1001293182	2	Swing Carriage Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
7	3423276	1	Pin	
11	1001286534	2	Hose	
12	7062922	1	Washer	
13	See Note	NSS	Pivot (Note: Purchase Complete Assembly)	
14	7110702	2	Pin	
15	7110712	1	Pin	
16	7110722	2	Pin	
17	8065062	2	Bushing	
18	8303634	5	Bolt 5/8 x 4	
19	8303715	3	Bolt 5/16 x 1-1/2	
20	8305643	5	Nut 5/8	
21	8307904	AR	Washer	
22	8307918	AR	Washer	
23	8310160	AR	Washer	
24	8310161	AR	Washer	
25	8420053	1	Cap	
26	8420055	1	Plug	
27	8580315	2	Plug	
29	8642207	4	Ring, Retaining	
30	8769132	2	Clamp	
31	8770016	2	Fitting, Straight ORFS	
32	90200003	2	Collar	
33	91403413	1	Fitting, Straight ORFS	
34	91403414	1	Fitting, Straight	
35	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
36	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
37	1001110704	1	Decal, Warning Crushing Hazard	
38	1001111190	2	Decal, Warning	
39	4811400	2	Washer M4	
40	0760405	2	Bolt M4 x 10	
41	1001227670	1	Tag - RFID	
42	1062255	AR	Tie-Strap (Not Shown)	
43	1001301599	1	Hose	
44	1001301600	1	Hose	

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

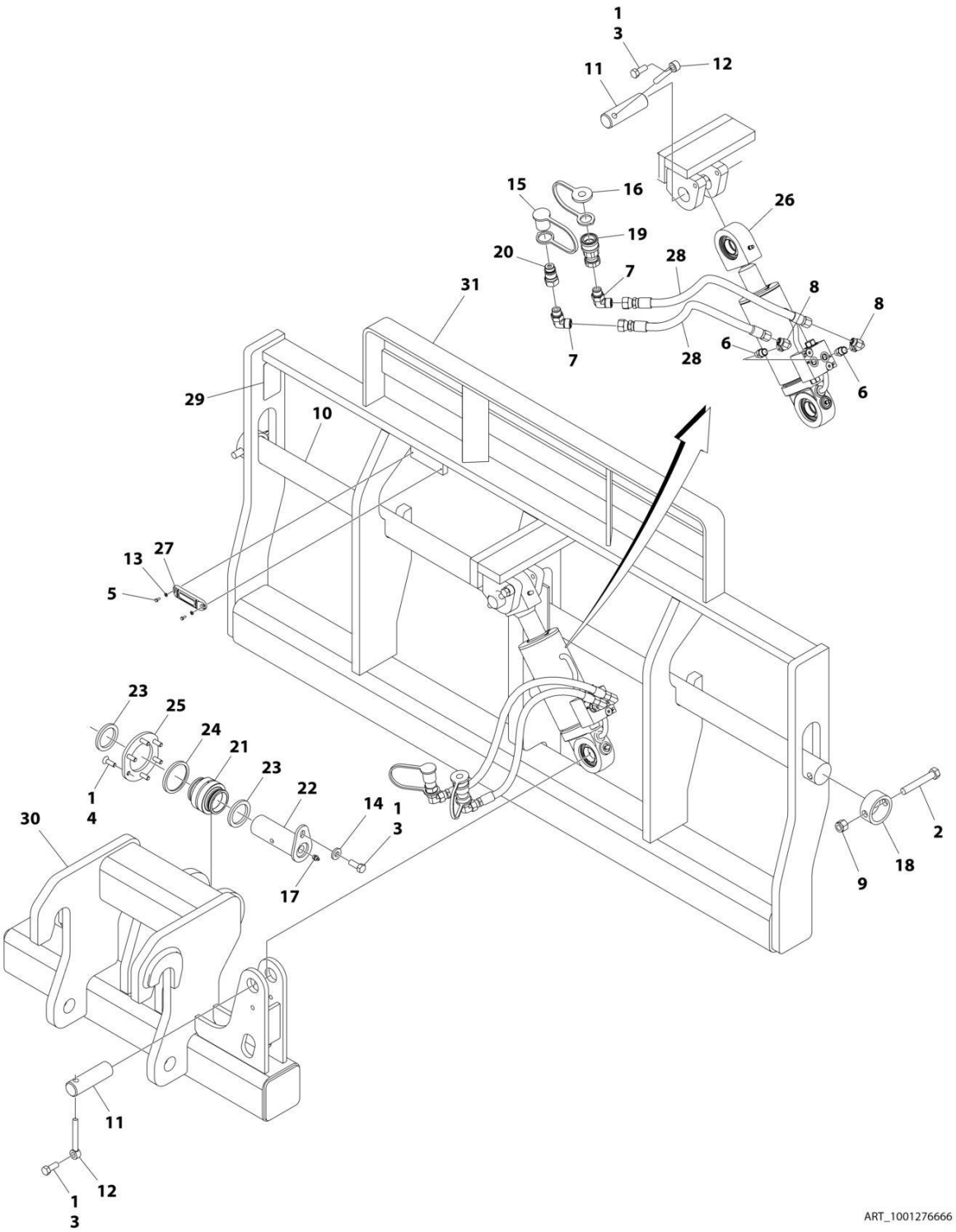


FIGURE 3-24. CARRIAGE ASSEMBLY - 72IN/12000# CAPACITY SIDE TILT

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

FIGURE 3-25. CARRIAGE ASSEMBLY - 72IN/15000# CAPACITY STANDARD

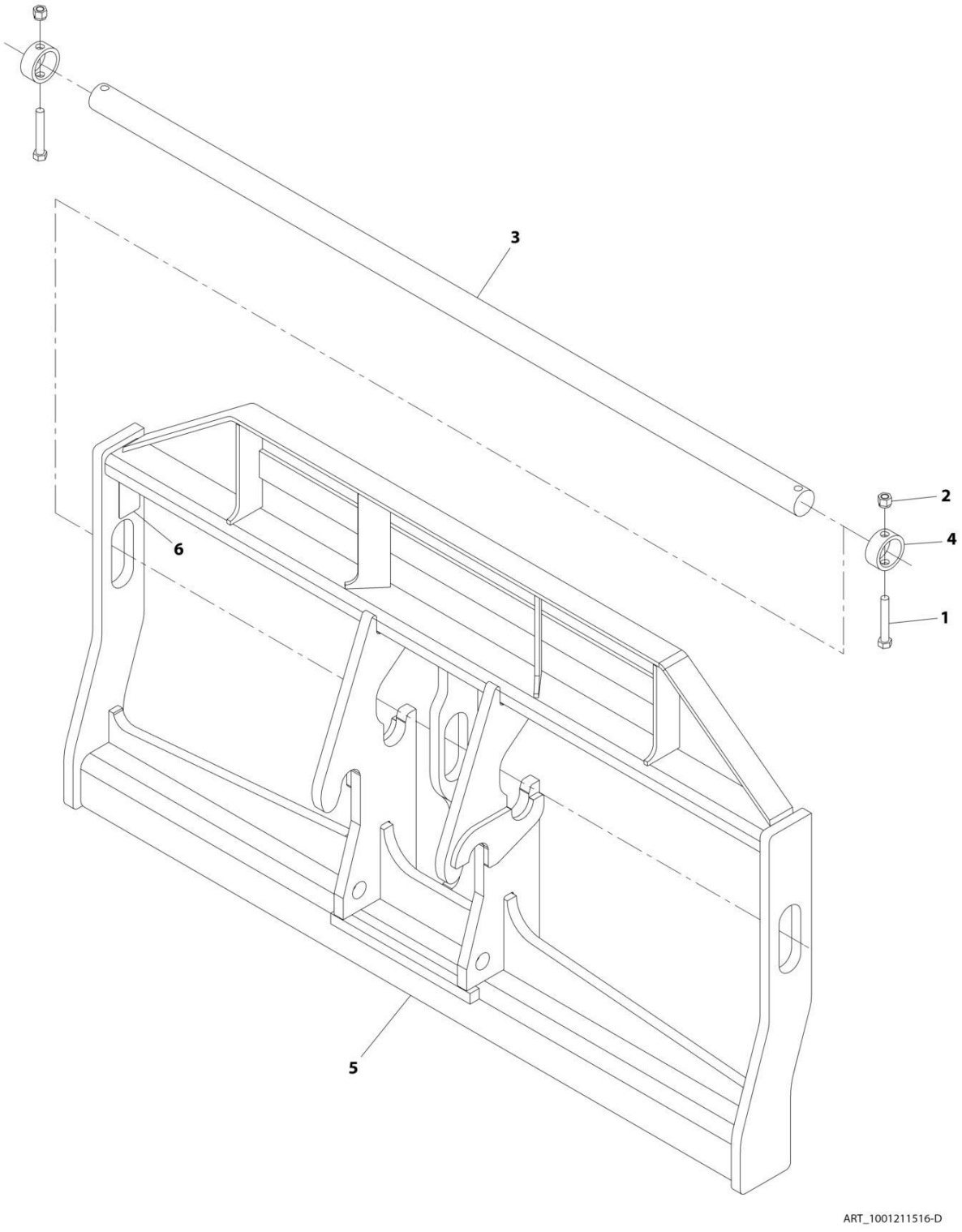


FIGURE 3-25. CARRIAGE ASSEMBLY - 72IN/15000# CAPACITY STANDARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211516	Ref	CARRIAGE ASSEMBLY (72 INCH)	D
1	0642032	2	Bolt 5/8 x 4	
2	3300240	2	Nut 5/8	
3	3423276	1	Pin	
4	90200003	2	Sleeve	
5	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
6	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	

FIGURE 3-26. FORK 1.75X7X60 / 5400# CAPACITY

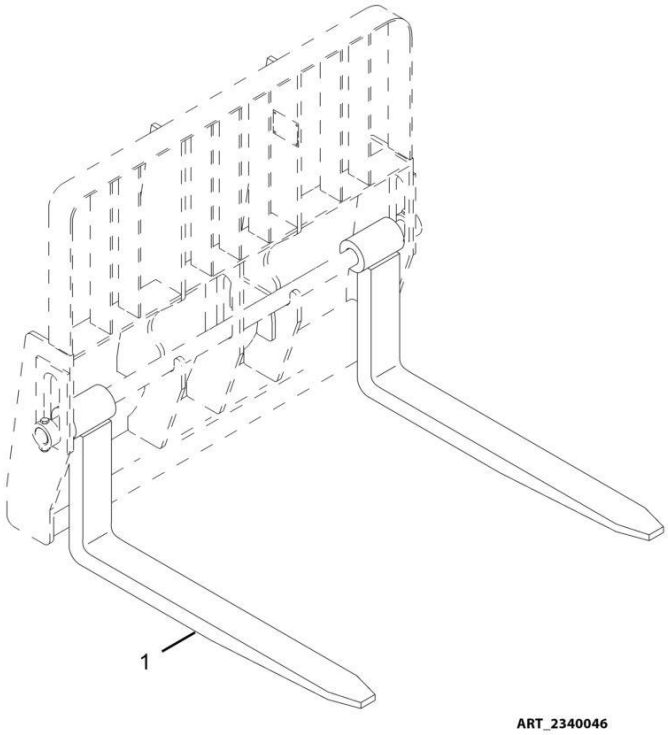


FIGURE 3-26. FORK 1.75X7X60 / 5400# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2340046	2	Dual Taper Fork (60X7X1.75)	
N1	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
N2	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-27. FORK 2X2X48 / 1940# CAPACITY

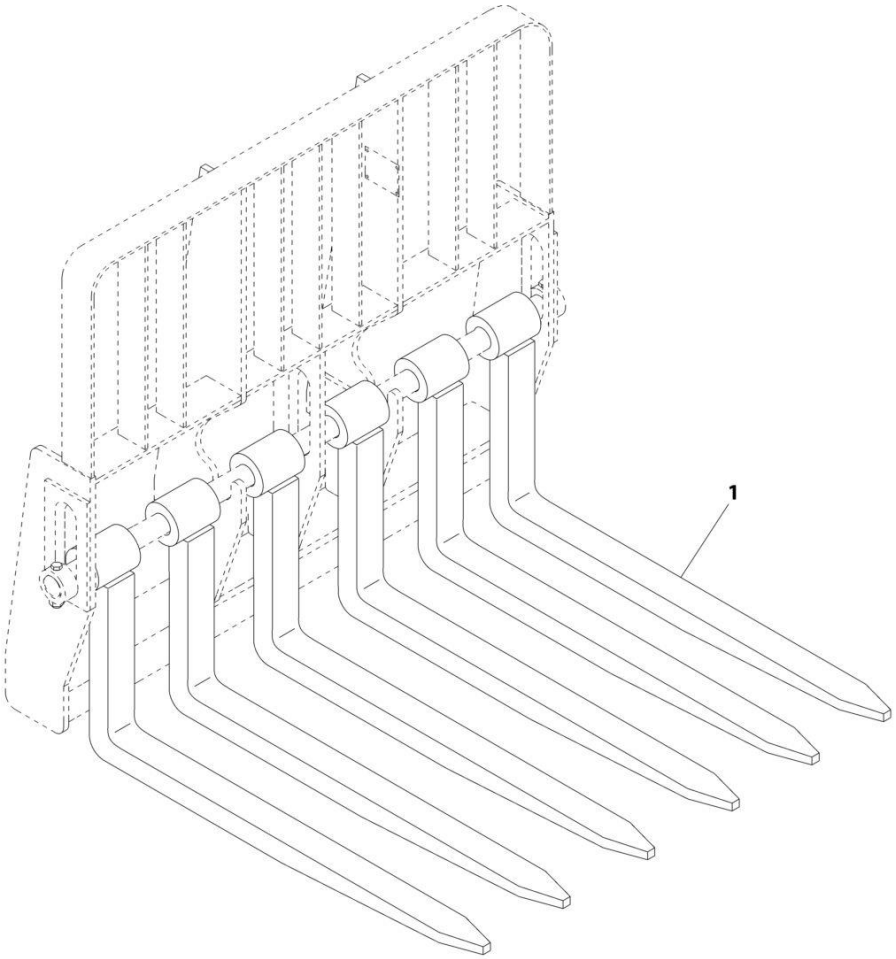


FIGURE 3-27. FORK 2X2X48 / 1940# CAPACITY

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

FIGURE 3-28. FORK 2.00X6X72 / 6610# CAPACITY

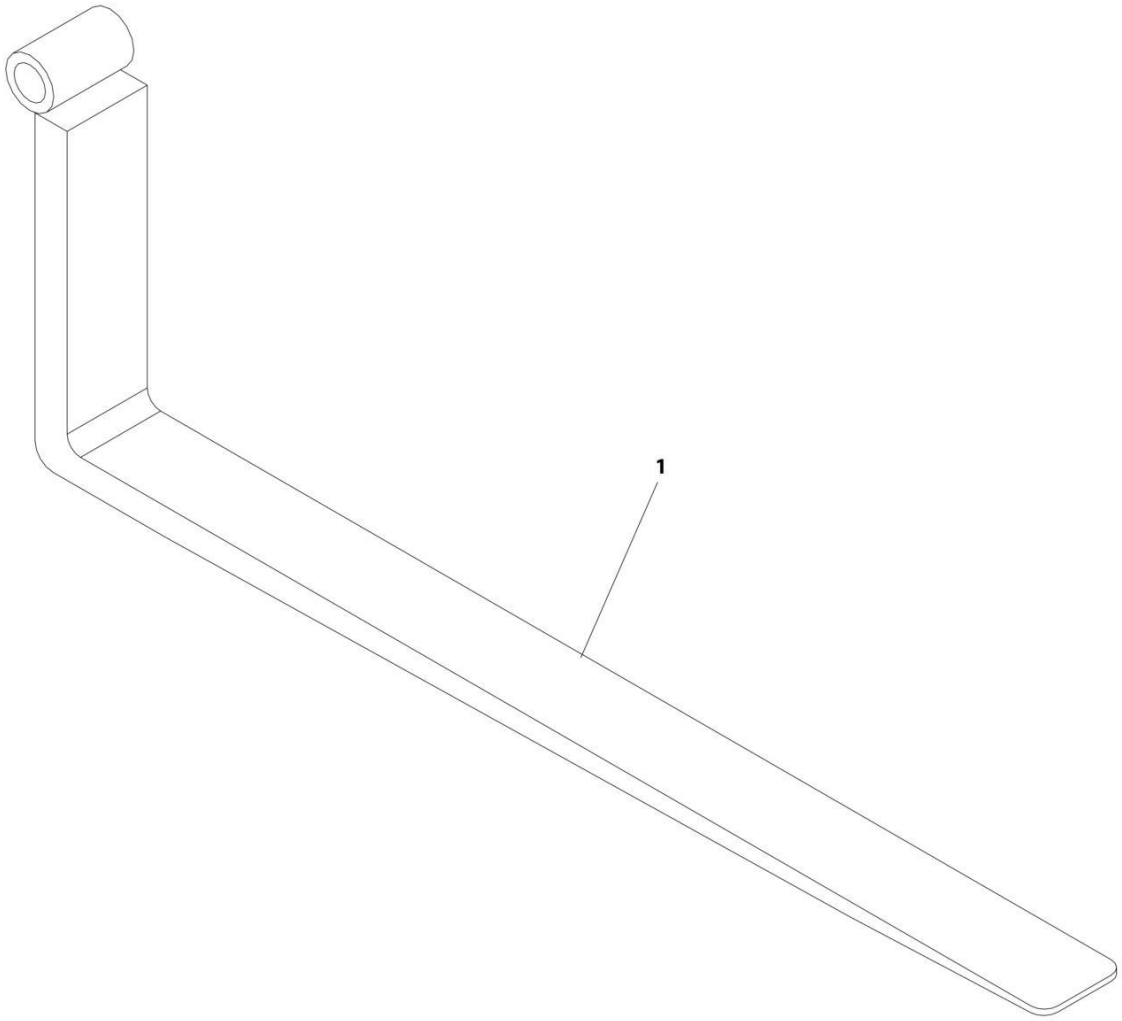


FIGURE 3-28. FORK 2.00X6X72 / 6610# CAPACITY

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

FIGURE 3-29. FORK 2.36X4X48 / 5000# CAPACITY

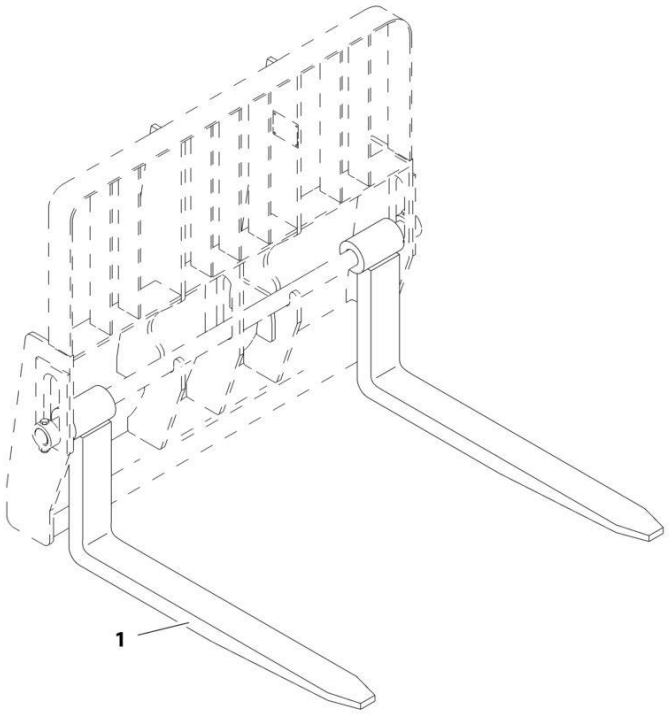


FIGURE 3-29. FORK 2.36X4X48 / 5000# CAPACITY

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

FIGURE 3-30. FORK 2.36X4X48 / 5475# CAPACITY

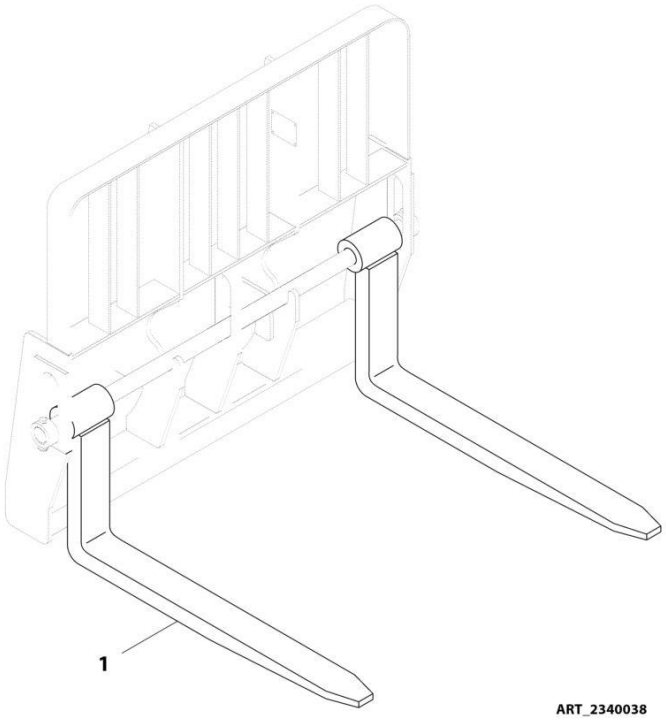


FIGURE 3-30. FORK 2.36X4X48 / 5475# CAPACITY

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

FIGURE 3-31. FORK 2.36X4X60 / 5000# CAPACITY

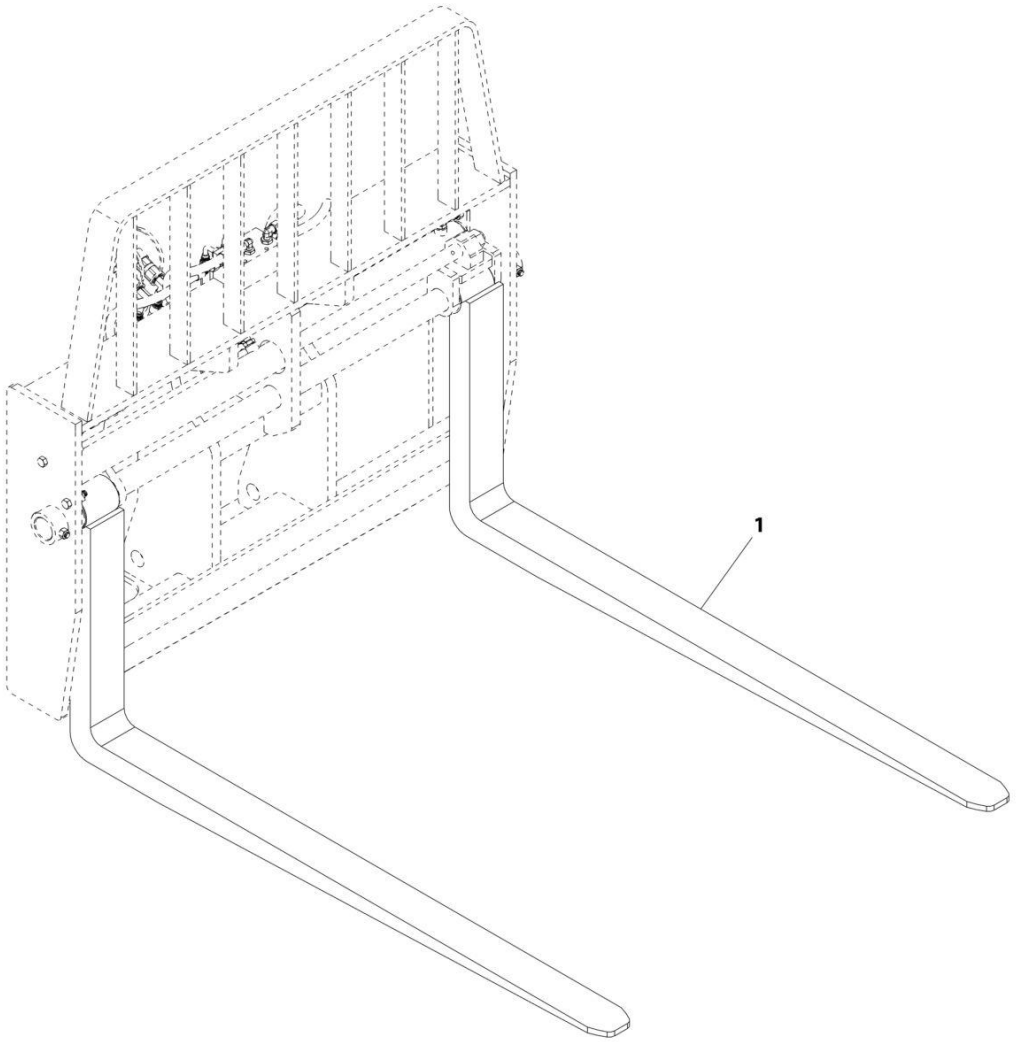


FIGURE 3-31. FORK 2.36X4X60 / 5000# CAPACITY

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

FIGURE 3-32. FORK 2.36X5X48 / 6850# CAPACITY

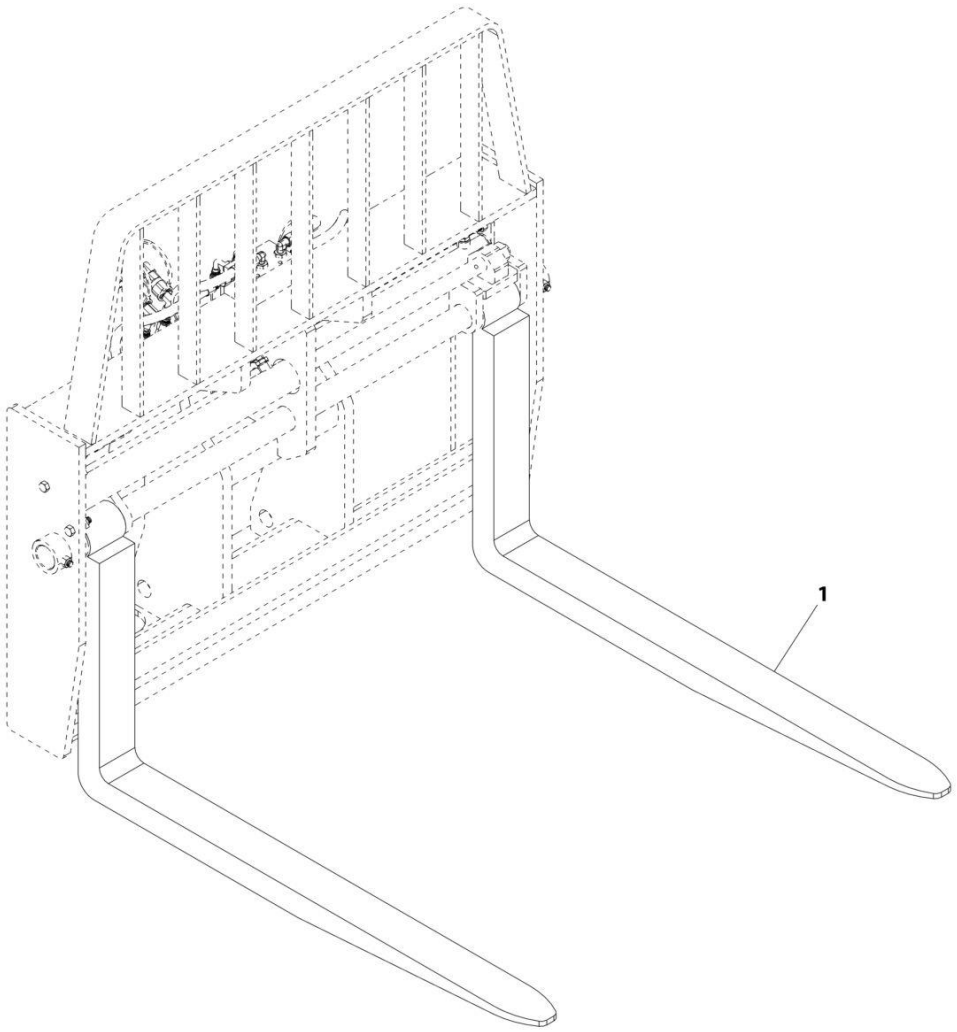


FIGURE 3-32. FORK 2.36X5X48 / 6850# CAPACITY

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

FIGURE 3-33. FORK 2.36X5X60 / 6850# CAPACITY

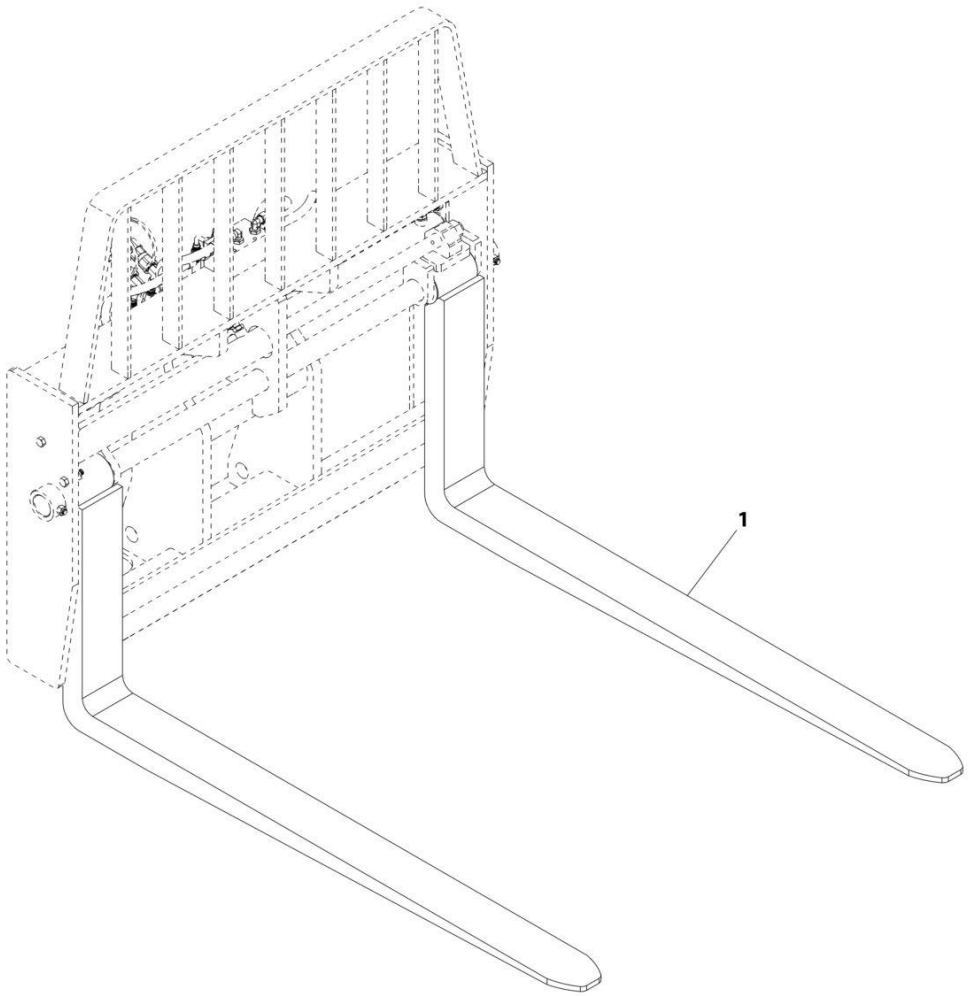
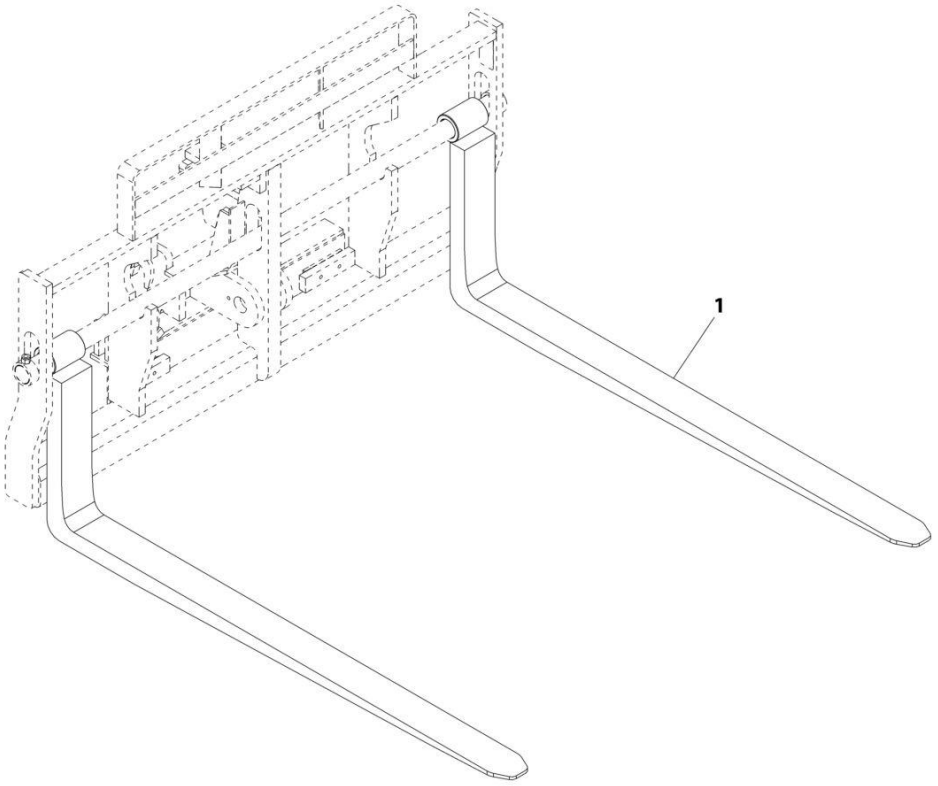


FIGURE 3-33. FORK 2.36X5X60 / 6850# CAPACITY

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

FIGURE 3-34. FORK 2.36X5X72 / 6850# CAPACITY



ART_1001232355

FIGURE 3-34. FORK 2.36X5X72 / 6850# CAPACITY

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

FIGURE 3-35. FORK 2.36X6X60 / 8150# CAPACITY

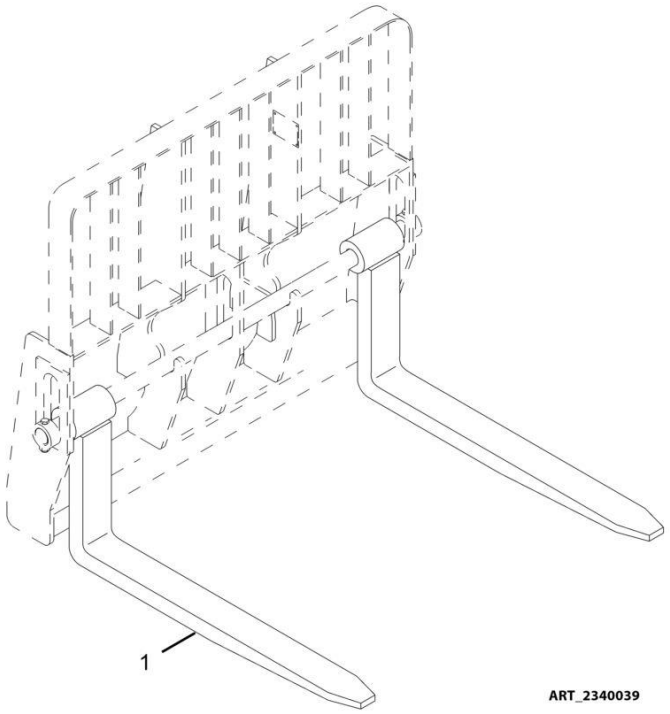


FIGURE 3-35. FORK 2.36X6X60 / 8150# CAPACITY

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

FIGURE 3-36. FORK EXTENSION - 90IN

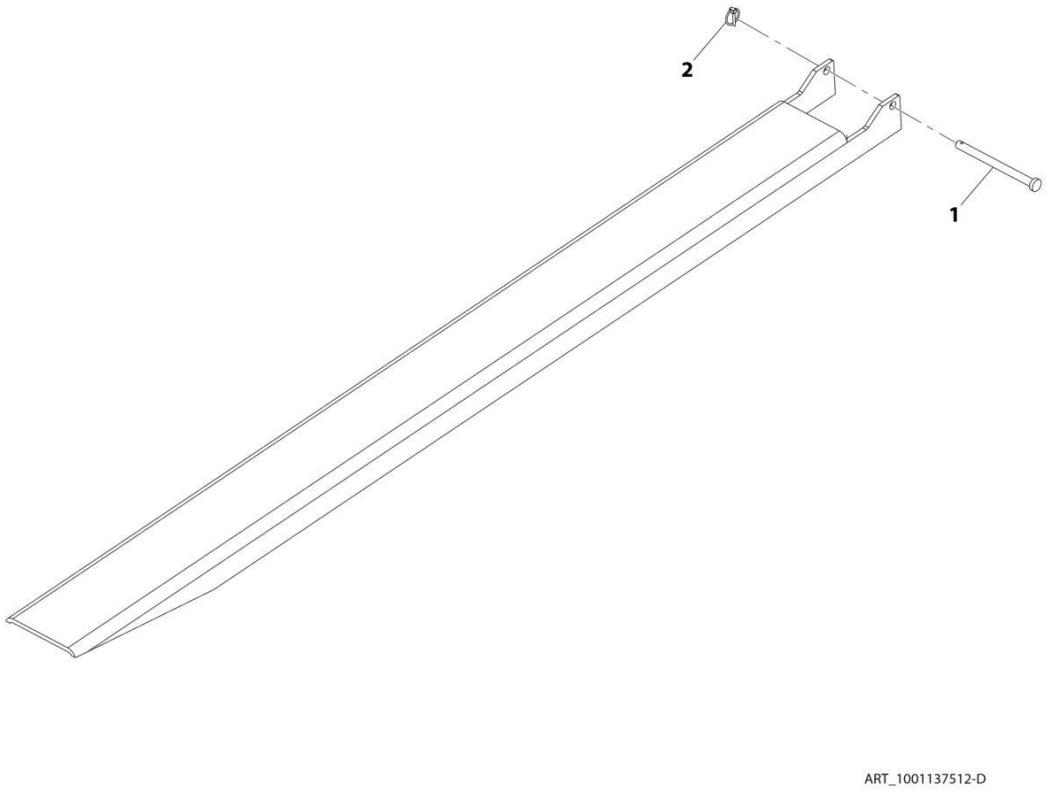
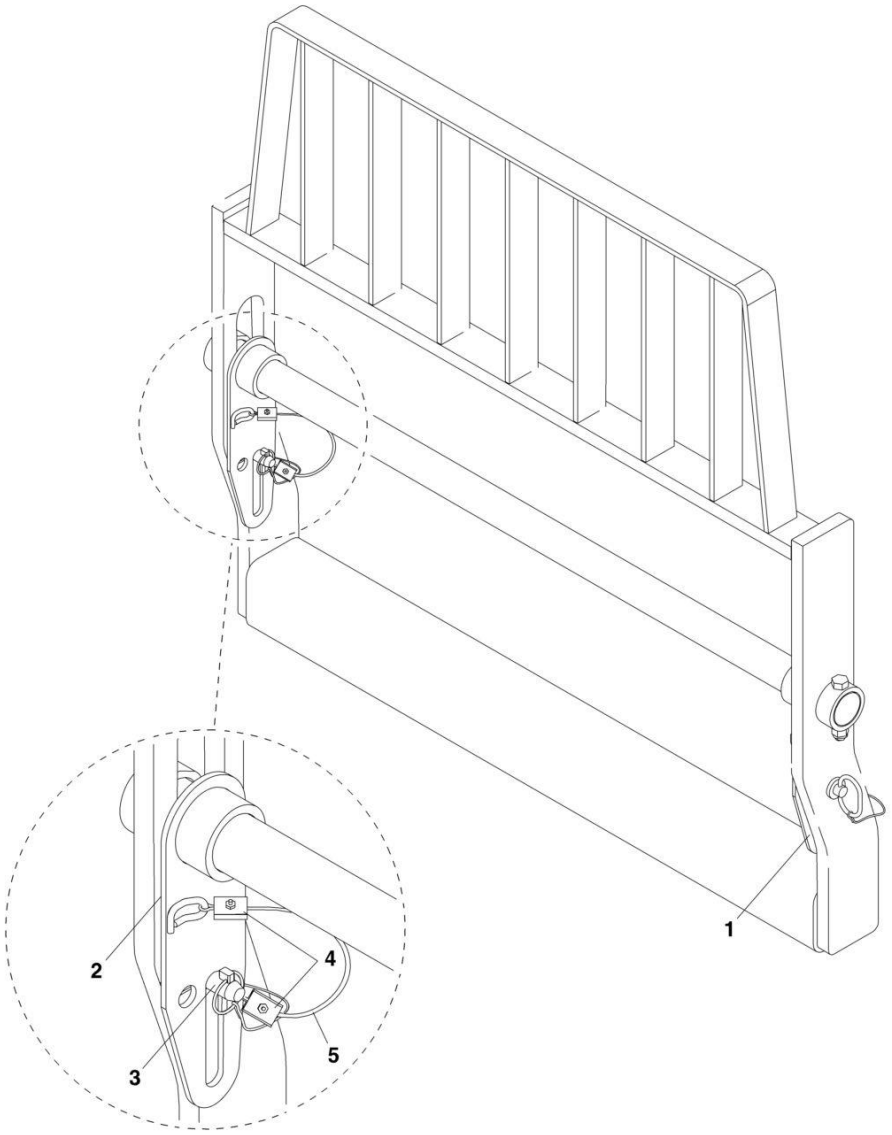


FIGURE 3-36. FORK EXTENSION - 90IN

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

FIGURE 3-37. FORK PIN LOCK INSTALLATION



ART_1001093465_B

FIGURE 3-37. FORK PIN LOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001093465	Ref	Fork Pin Lock Installation	B
1	0240156	1	Lock, LH Fork Pin	
2	1001093273	1	Lock, RH Fork Pin	
3	1001093377	2	Pin, Hitch	
4	1001094830	4	Clamp	
5	1001094330	2	Lanyard	

FIGURE 3-38. HOOK, COUPLING

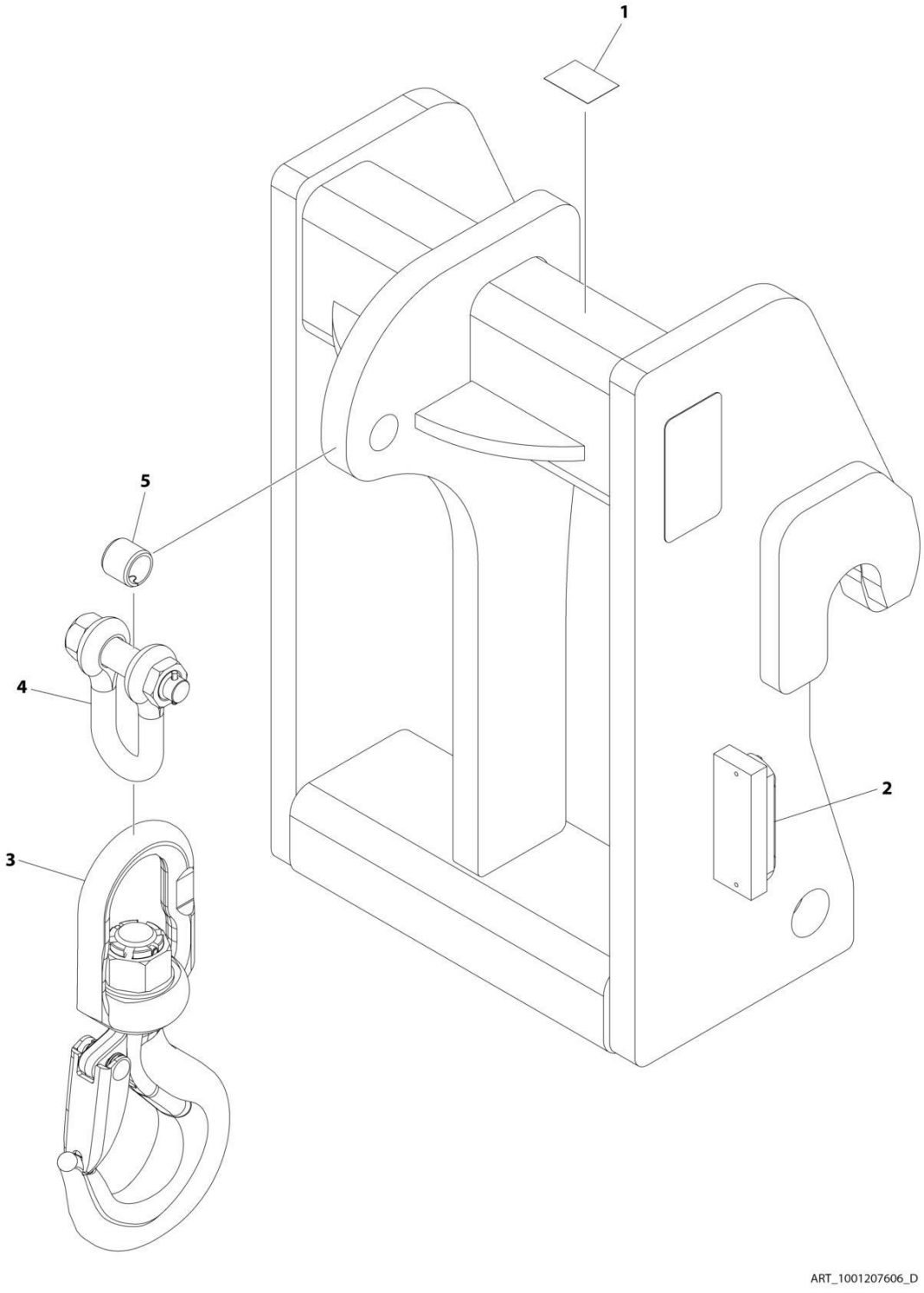


FIGURE 3-38. HOOK, COUPLING

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

FIGURE 3-39. HOOK, CRANE

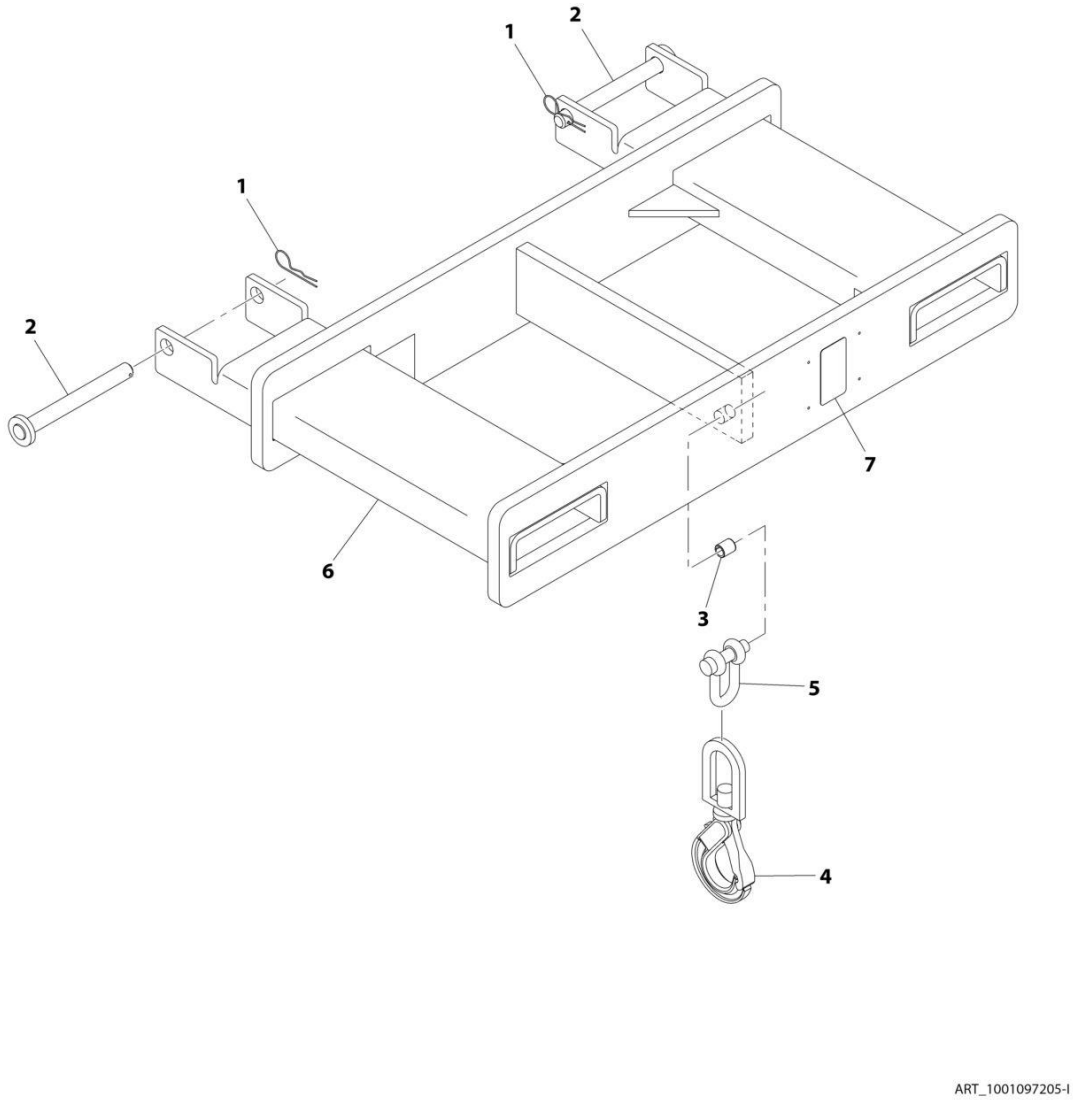
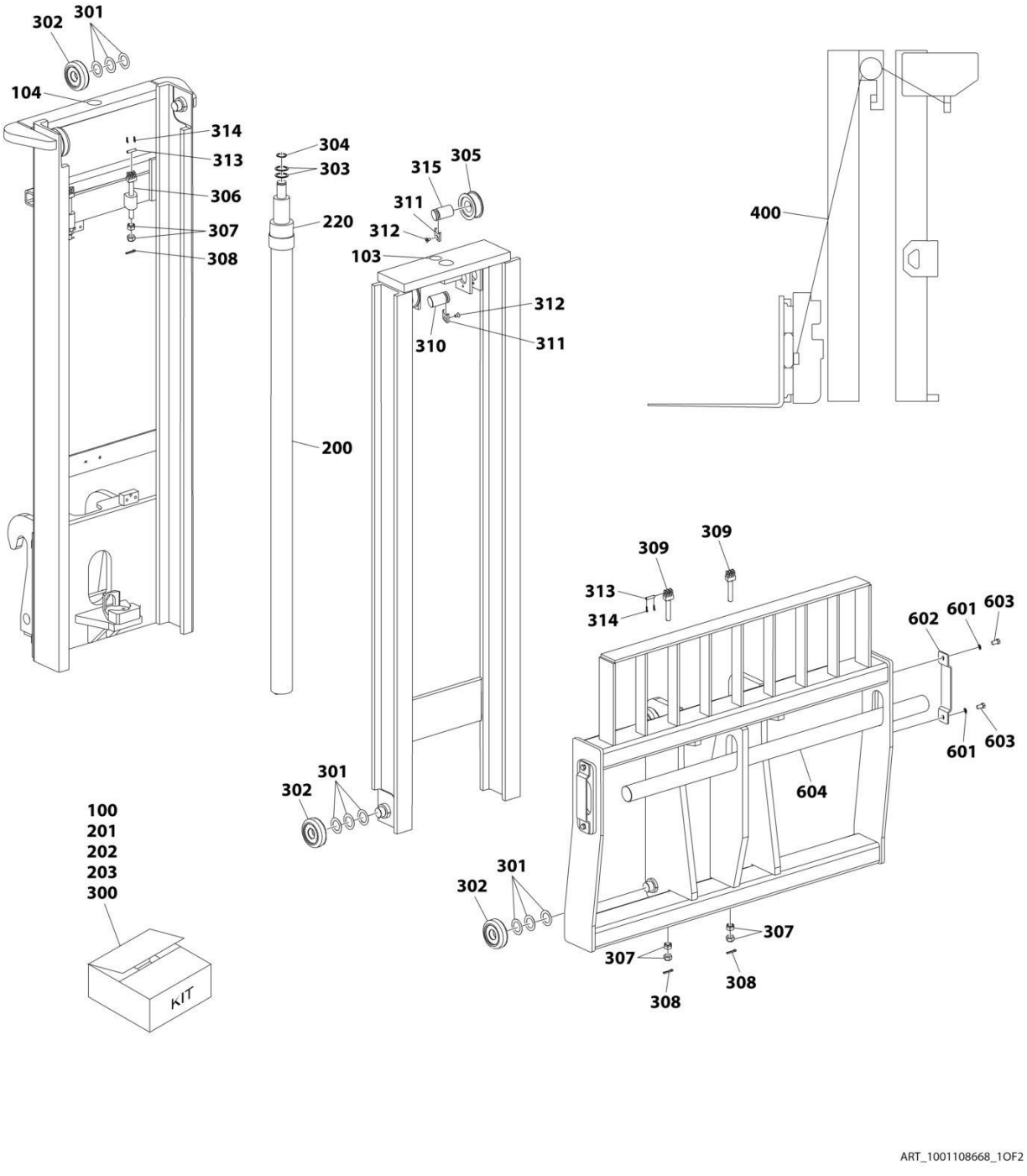


FIGURE 3-39. HOOK, CRANE

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

FIGURE 3-40. MAST, VERTICAL - 8FT



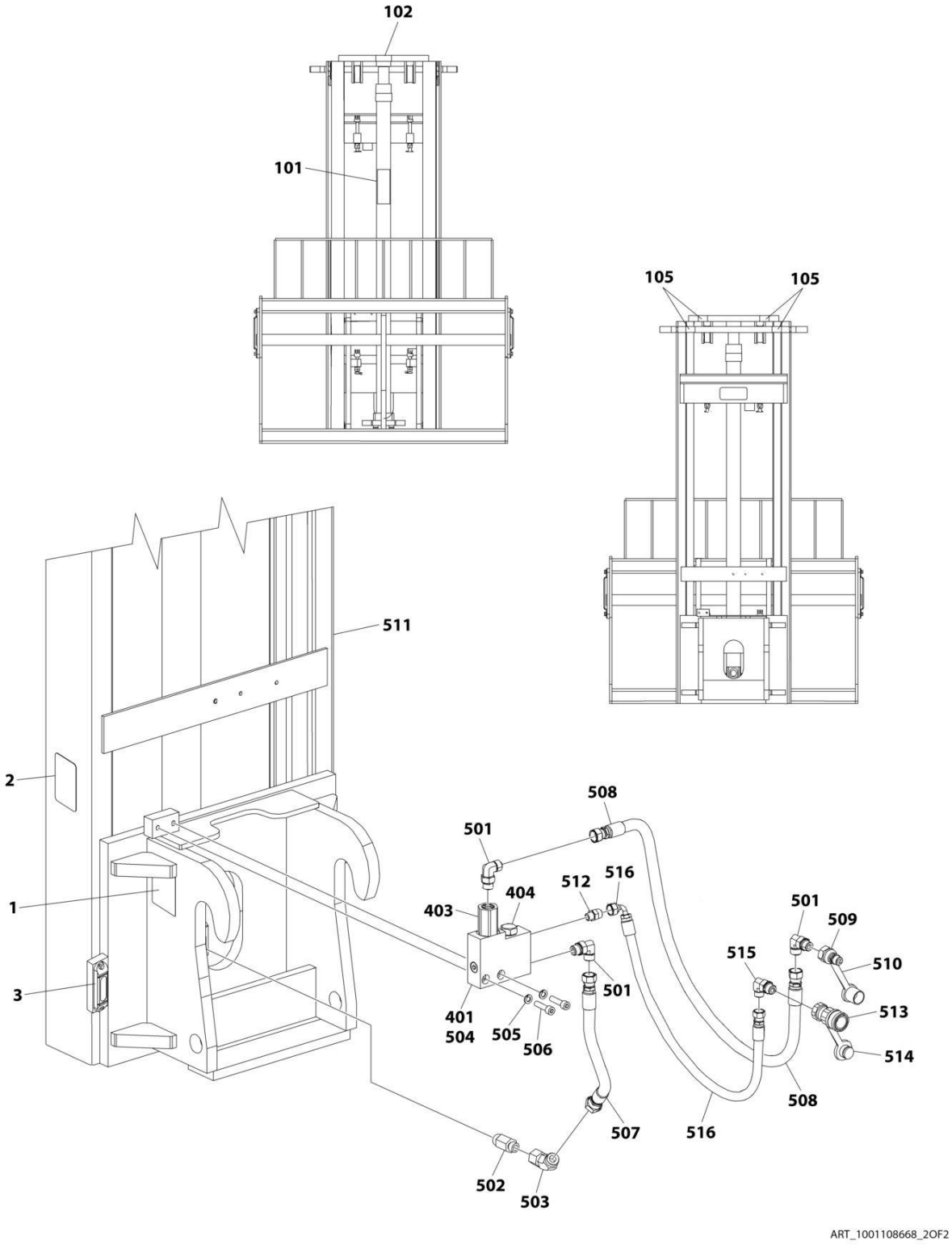
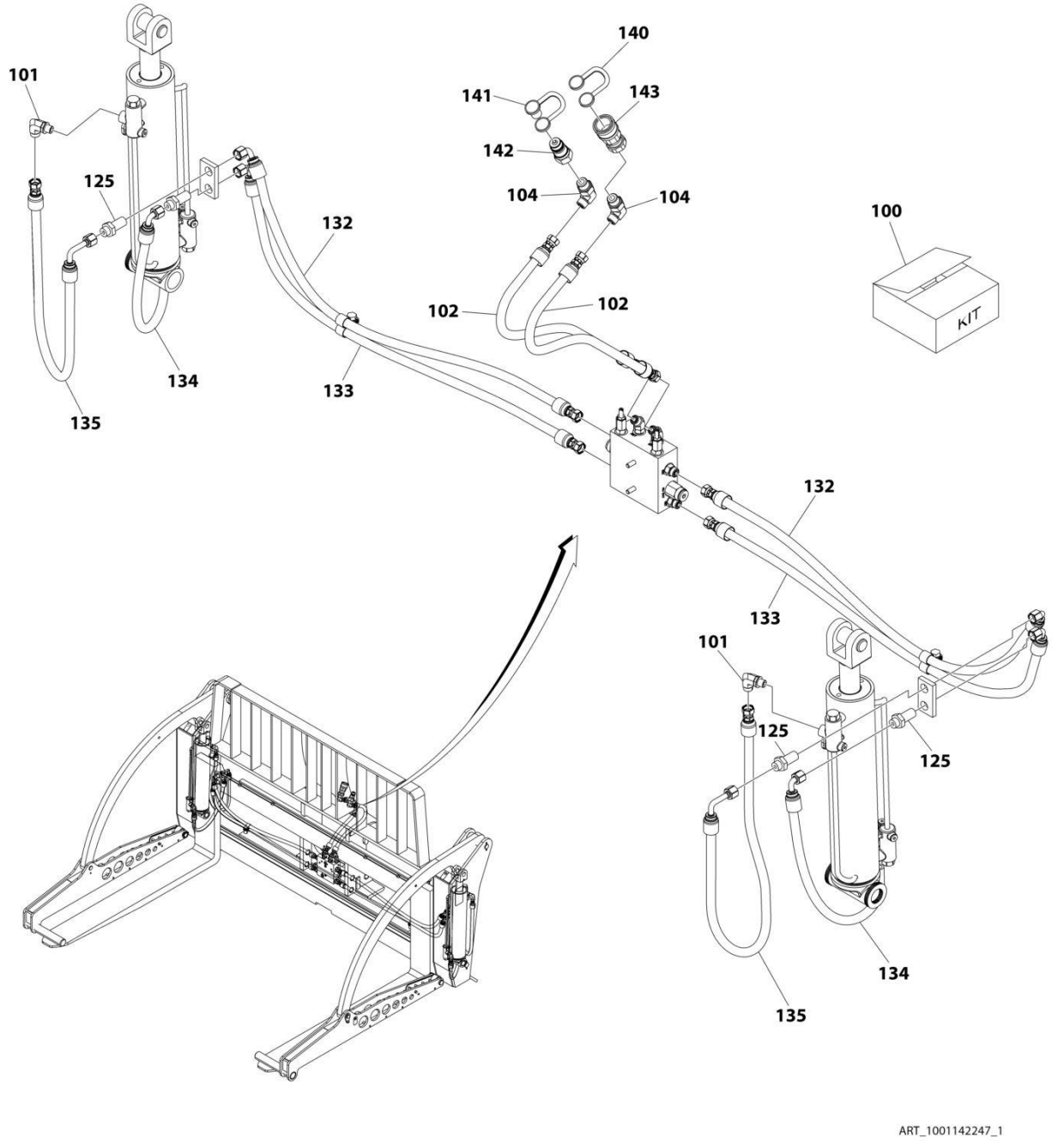

102
101
105
105
511
2
1
3
508
501
404
403
512
516
501
509
515
510
501
513
401
504
505
506
514
508
507
516
502
503
ART_1001108668_2OF2

FIGURE 3-40. MAST, VERTICAL - 8FT

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

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

FIGURE 3-41. PIPE HANDLER



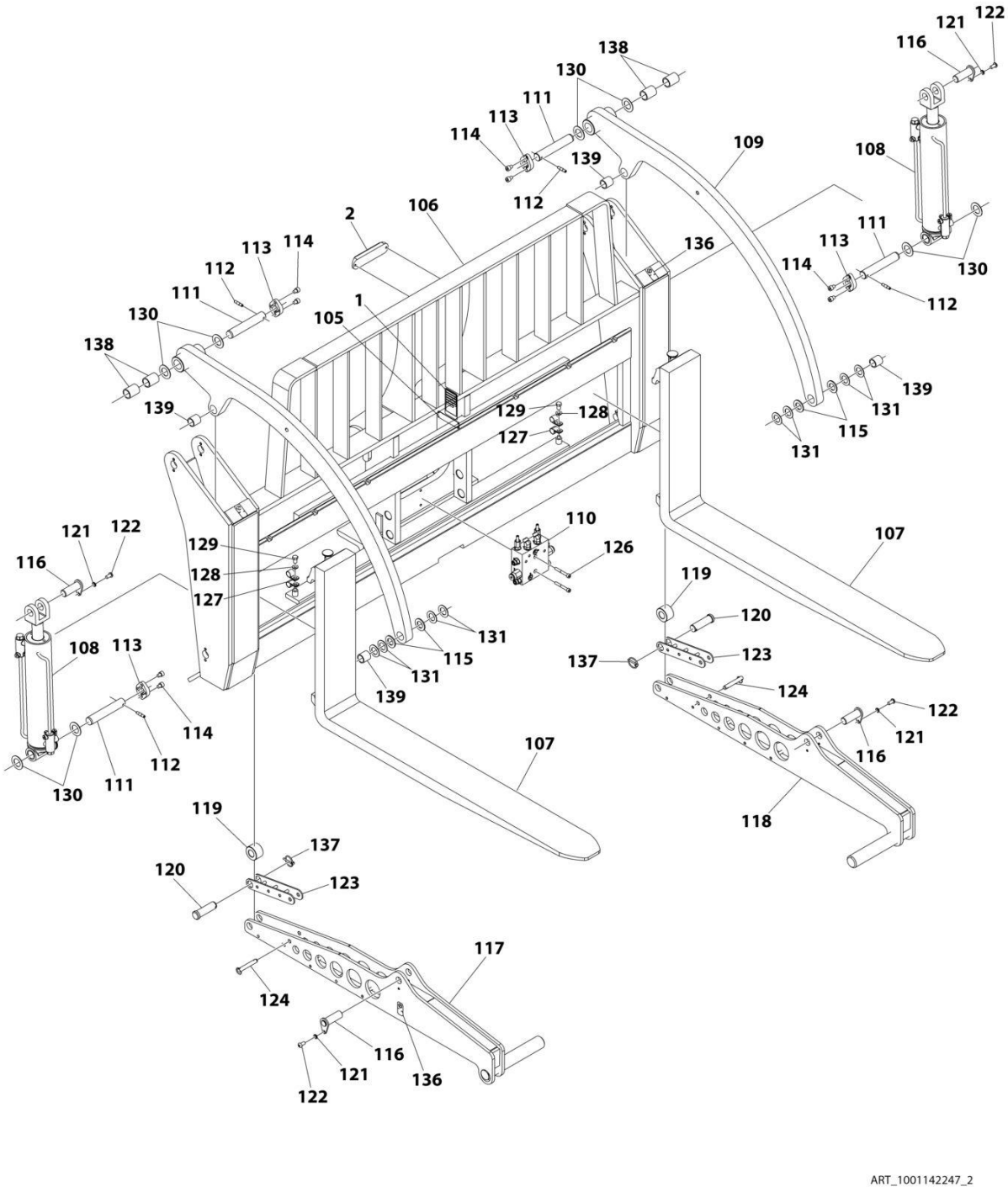

ART_1001142247_2

FIGURE 3-41. PIPE HANDLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142247	Ref	PIPE HANDLER ASSEMBLY	G
1	See Note	NSS	JLG Plate (Note: Stamped Part - Not Available for Purchase)	
2	1001227670	1	Tag, RFID	
100	70026585	1	Disconnect & Hose Kit (Boom Front Disconnect) (Includes Items 101, 102, 104, 125, 132-135, 140-143)	
100	70031442	1	Disconnect Kit (Boom Side Disconnect) (Includes Items 102, 104, & 140-143)	
101	70024123	4	Fitting, 90	
102	70026347	2	Hose 20in (Boom Front Disconnect)	
102	70031448	2	Hose 44in (Boom Side Disconnect)	
104	70024550	2	Fitting, 90	
105	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
106	See Note	NSS	Carriage (Note: Purcahse Complete Assembly)	
107	70026586	2	Fork	
108	70026587	2	Cylinder, Pipe Handler (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
109	70026588	2	Arm	
110	70026589	1	Valve Assembly (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
111	70026470	4	Pin	
112	70026471	4	Pin Drive - Lock	
113	70026472	4	Retainer	
114	70026473	8	Capscrew, M10 x 12	
115	70026590	4	Thrust Washer	
116	70026591	4	Pin Weldment	
117	70026592	1	Contact Pad - RH	
118	70026593	1	Contact Pad - LH	
119	70026594	2	Roller	
120	70026595	2	Clevis Pin	
121	70026596	4	Lockwasher, M8	
122	70026597	4	Capscrew, M8 x 16	
123	70026598	2	Retainer	
124	70026599	2	Ring Detent Pin	
125	70023000	4	Fitting	
126	70026600	2	Capscrew, M8 x 60	
127	70026481	4	Hose Clamp	
128	70026482	2	Washer	
129	70022996	2	Capscrew, M10X16	
130	70026476	24	Shim	
131	70026601	8	Shim	
132	70026602	2	Hose	
133	70026603	2	Hose	
134	70026604	2	Hose	
135	70026605	2	Hose	
136	70024538	4	Warning Decal	
137	70026606	2	Lynch Pin, 3/16	
138	70026501	4	Bushing	
139	70026607	4	Bushing	
140	70026608	1	Plug	
141	70026609	1	Cap	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
142	91403414	1	Coupler - Male	
143	91403413	1	Coupler - Female	

FIGURE 3-42. SHEET MATERIAL HANDLER

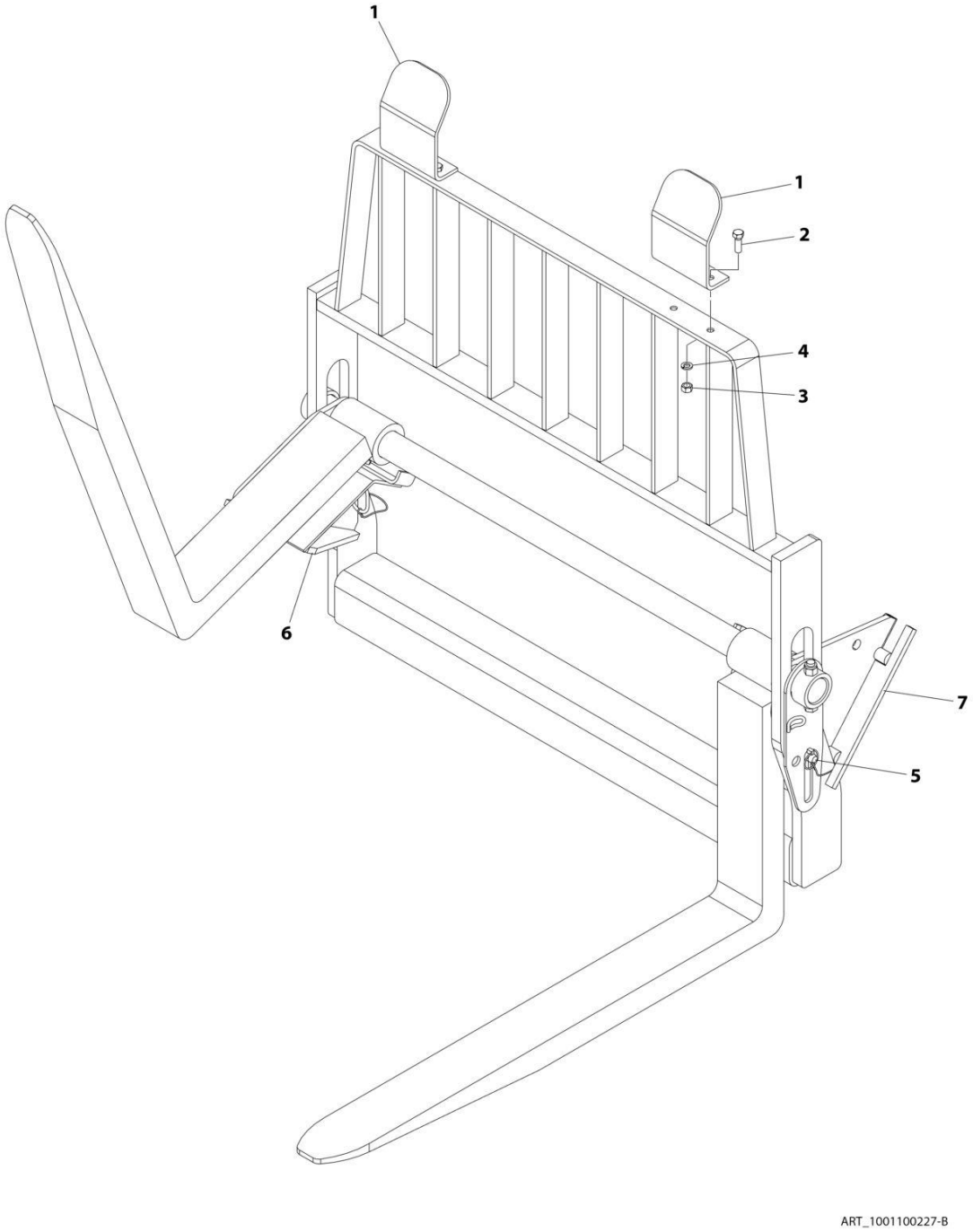
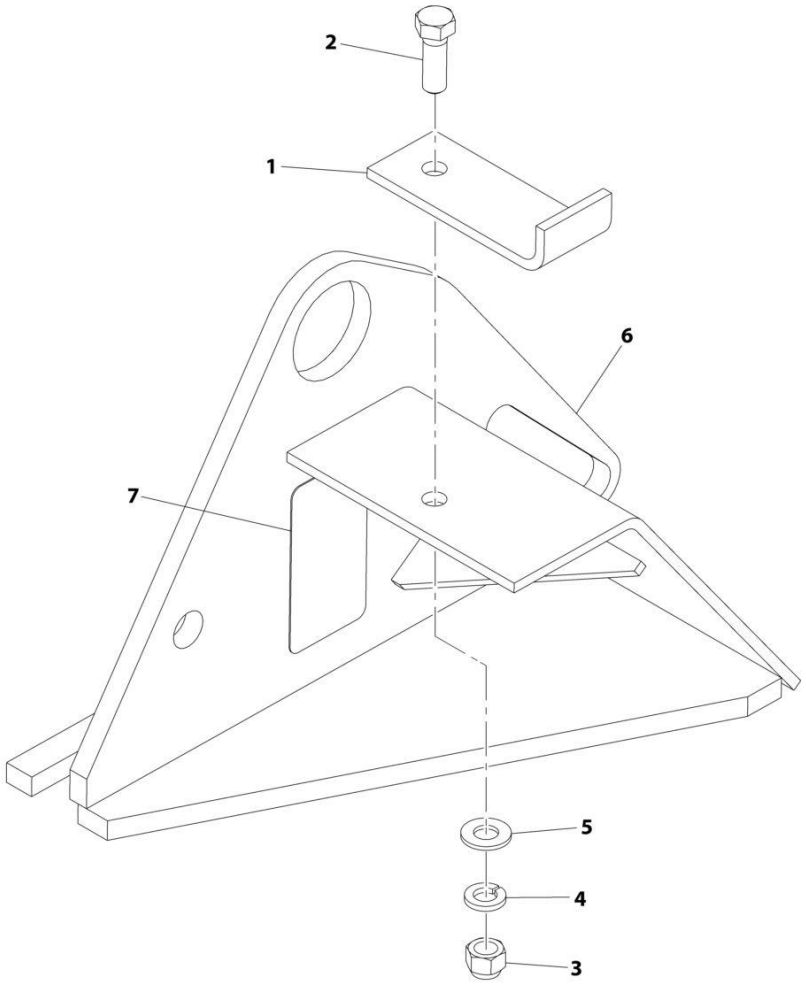


FIGURE 3-42. SHEET MATERIAL HANDLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100227	Ref	Sheet Material Handler Installation	B
1	7112642	2	Extension, Backrest	
2	8303626	4	Bolt, 1/2-13X1-1/2	
3	8305012	4	Nut, 1/2-13	
4	8307007	4	Washer, Lock 1/2	
5	1001093377	2	Pin, Hitch	
6	1001101115	1	Assembly, RH Fork Support (See Separate Breakdown in this Section)	
7	1001101116	1	Assembly, LH Fork Support (See Separate Breakdown in this Section)	

FIGURE 3-43. SHEET MATERIAL HANDLER FORK SUPPORT (LH)



ART_1001101116-E

FIGURE 3-43. SHEET MATERIAL HANDLER FORK SUPPORT (LH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001101116	Ref	LH Fork Support Assembly	E
1	7114941	1	Bar, Lock	
2	8303626	1	Bolt, 1/2-13X1-1/2	
3	8305644	1	Nut, Lock 1/2-13	
4	8307007	1	Washer, Lock 1/2	
5	8307112	1	Washer, 1/2	
6	1001100229	1	Support, LH Fork	
7	N.S.S.	1	S/N Plate	

FIGURE 3-44. SHEET MATERIAL HANDLER FORK SUPPORT (RH)

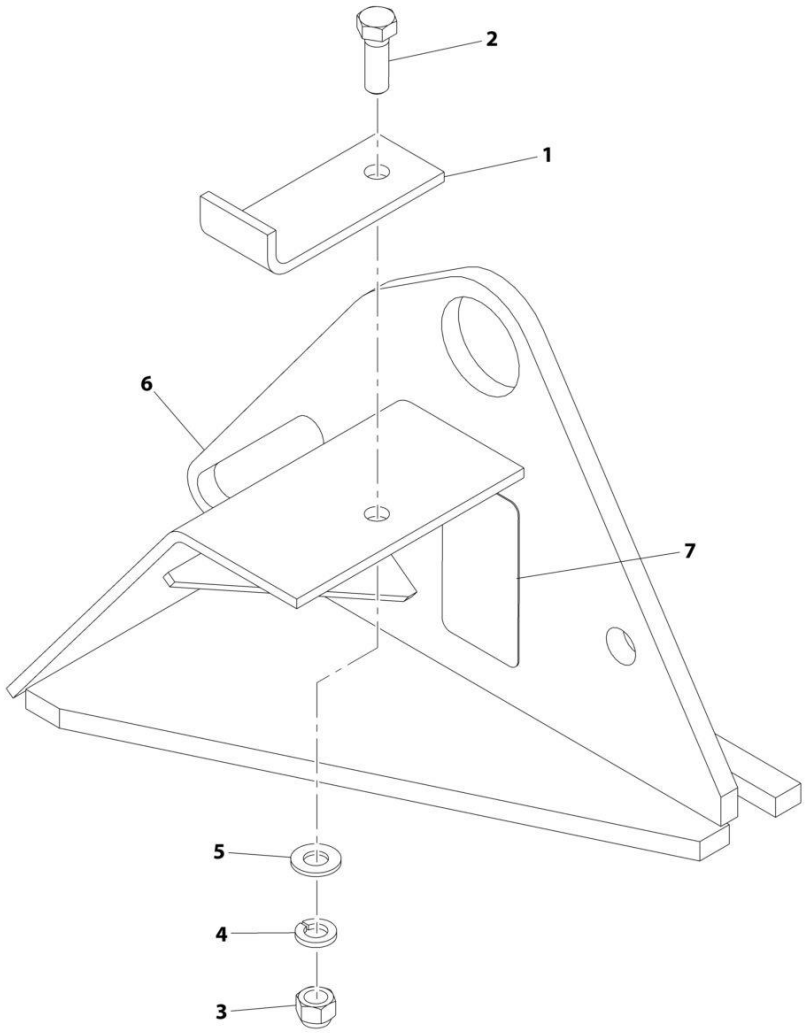


FIGURE 3-44. SHEET MATERIAL HANDLER FORK SUPPORT (RH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001101115	Ref	RH Fork Support Assembly	D
1	7114941	1	Bar, Lock	
2	8303626	1	Bolt, 1/2-13X1-1/2	
3	8305644	1	Nut, Lock 1/2-13	
4	8307007	1	Washer, Lock 1/2	
5	8307112	1	Washer, 1/2	
6	1001100228	1	Support, RH Fork	
7	N.S.S.	1	S/N Plate	

FIGURE 3-45. SWEEPER ASSEMBLY

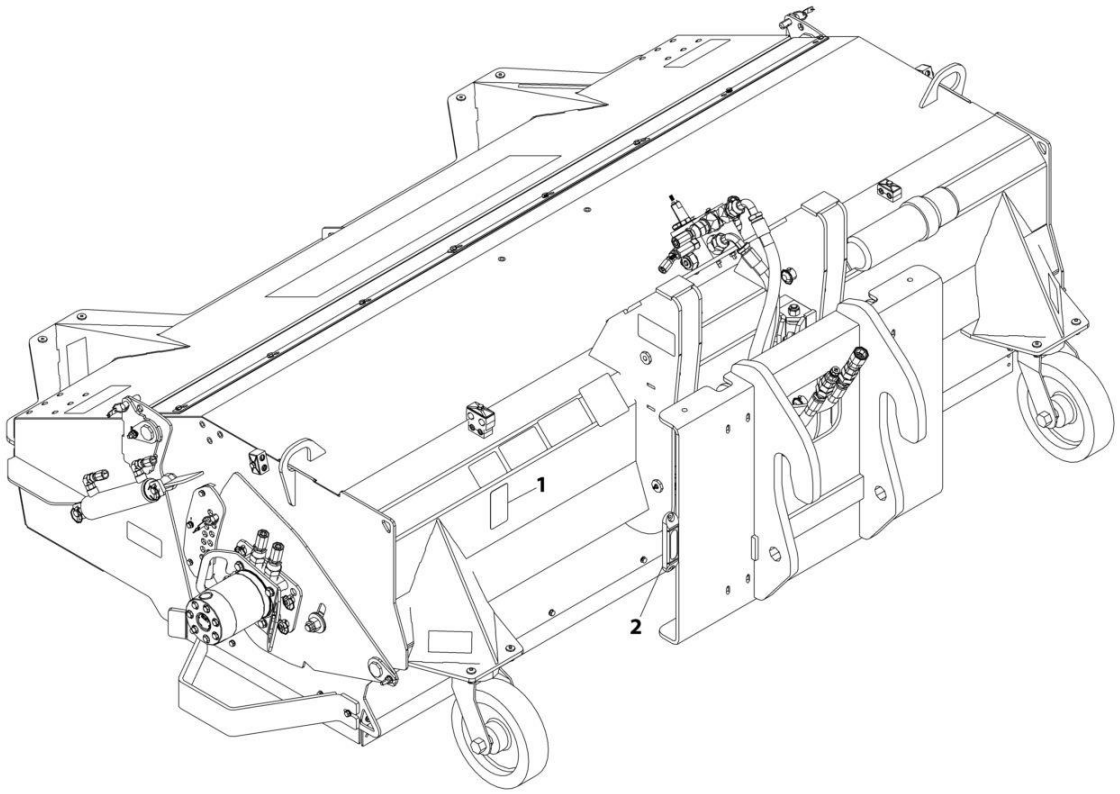


FIGURE 3-45. SWEEPER ASSEMBLY

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

FIGURE 3-46. SWEEPER ASSEMBLY - HOPPER

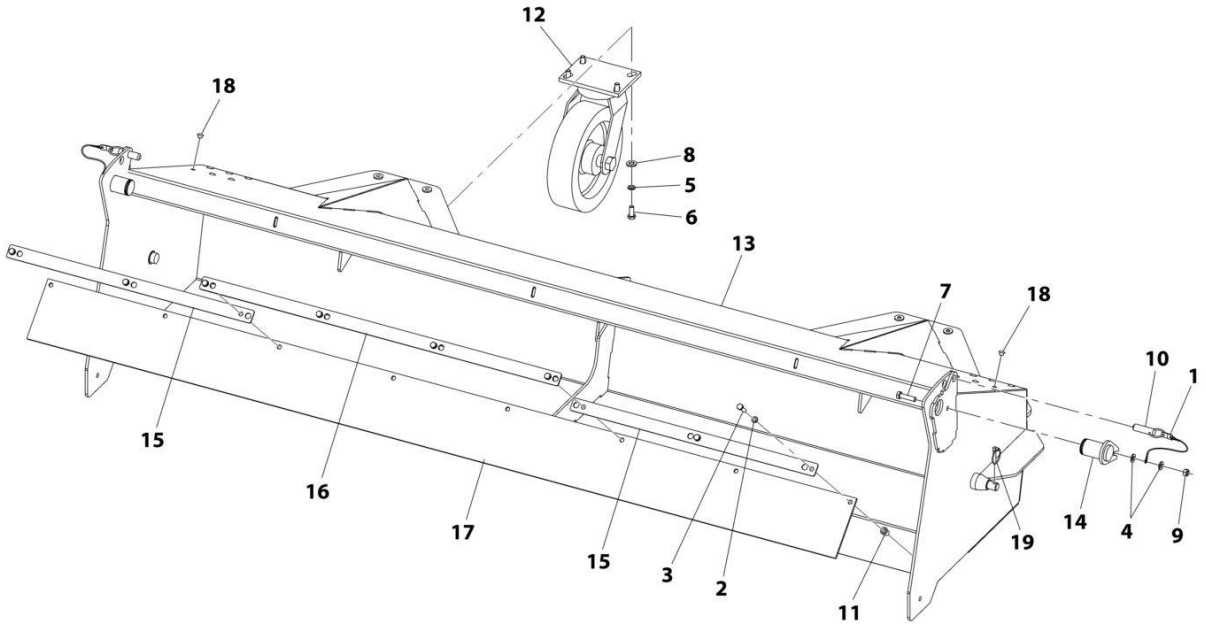


FIGURE 3-46. SWEEPER ASSEMBLY - HOPPER

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

FIGURE 3-47. SWEEPER ASSEMBLY - BODY

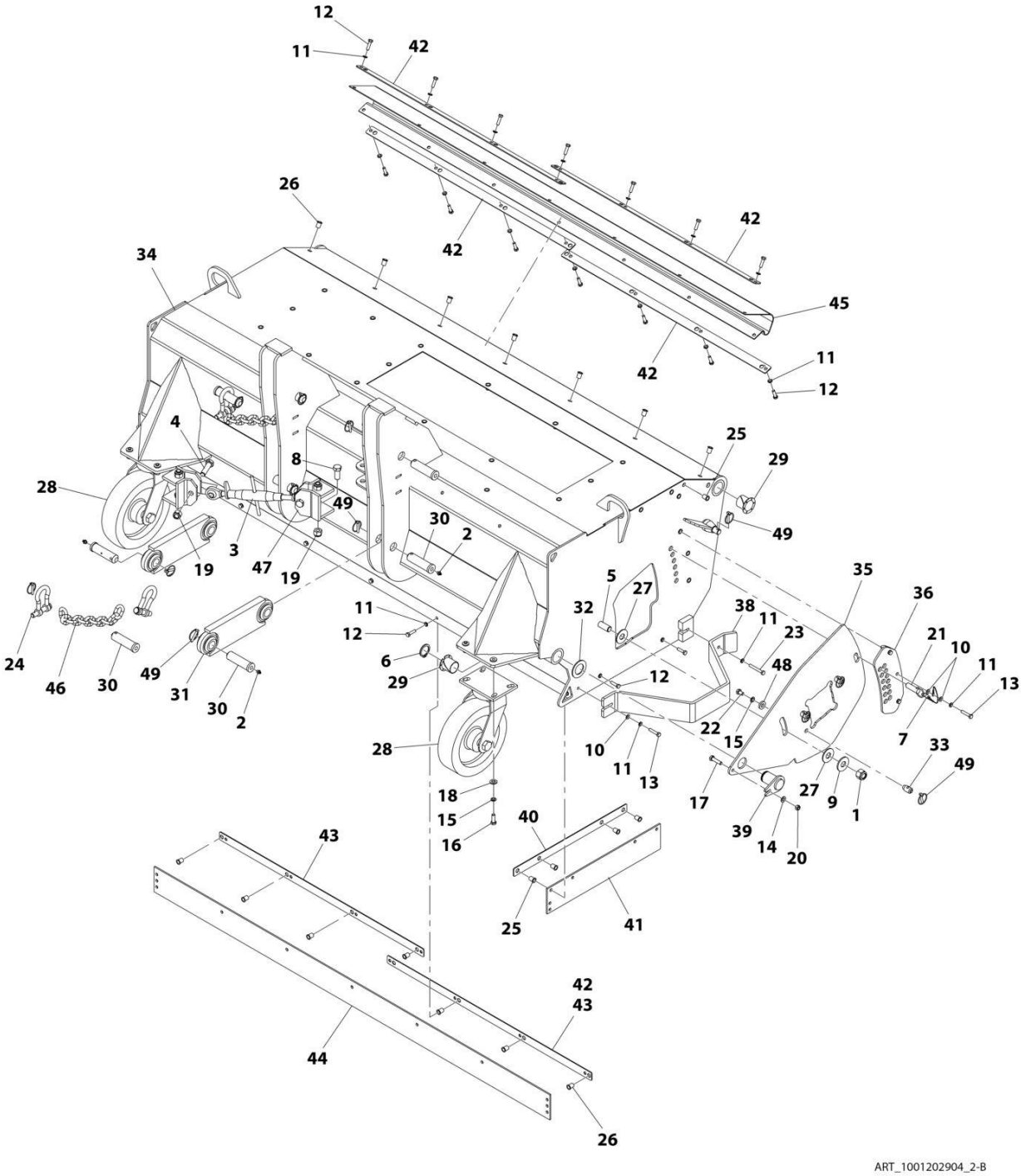


FIGURE 3-47. SWEEPER ASSEMBLY - BODY

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

FIGURE 3-48. SWEEPER ASSEMBLY - MOTOR

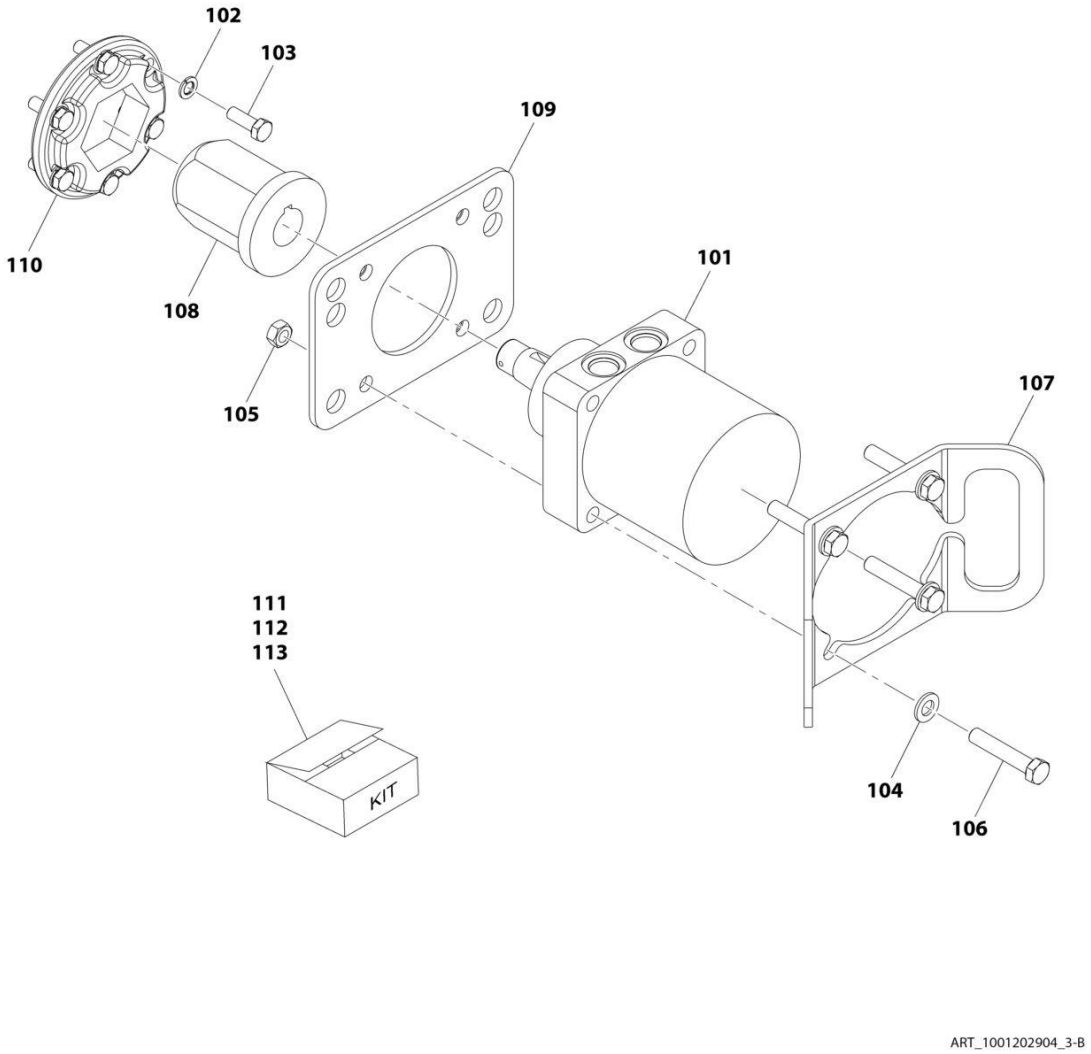


FIGURE 3-48. SWEEPER ASSEMBLY - MOTOR

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

FIGURE 3-49. SWEEPER ASSEMBLY - IDLER

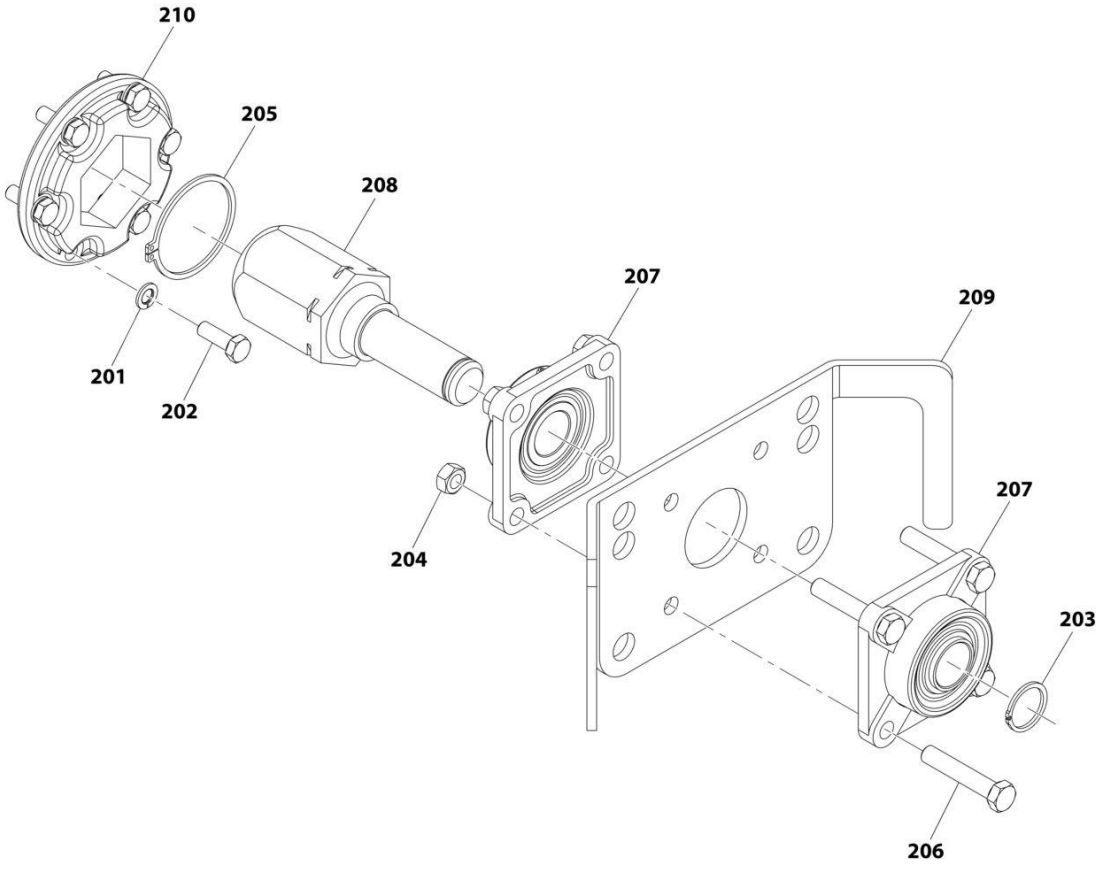


FIGURE 3-49. SWEEPER ASSEMBLY - IDLER

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

FIGURE 3-50. SWEEPER ASSEMBLY - CORE

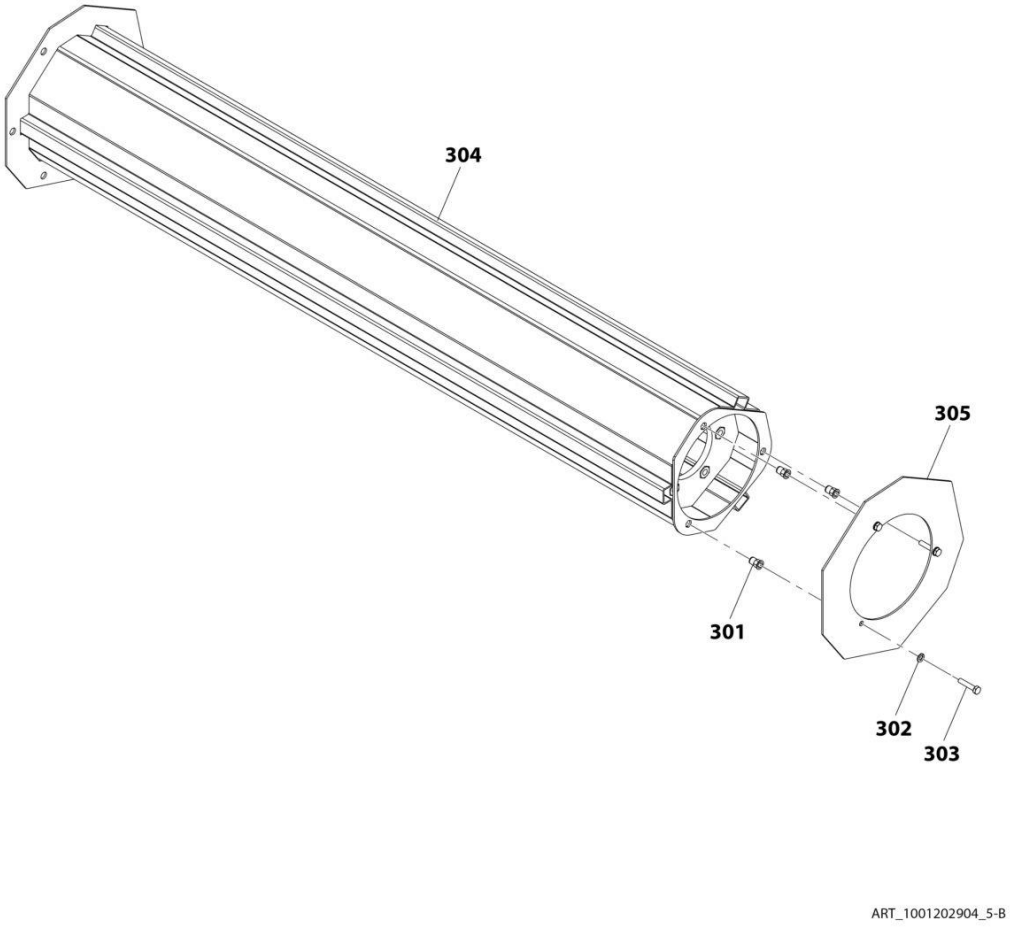


FIGURE 3-50. SWEEPER ASSEMBLY - CORE

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

FIGURE 3-51. SWEEPER ASSEMBLY - HYDRAULIC SINGLE MOTOR ASSEMBLY

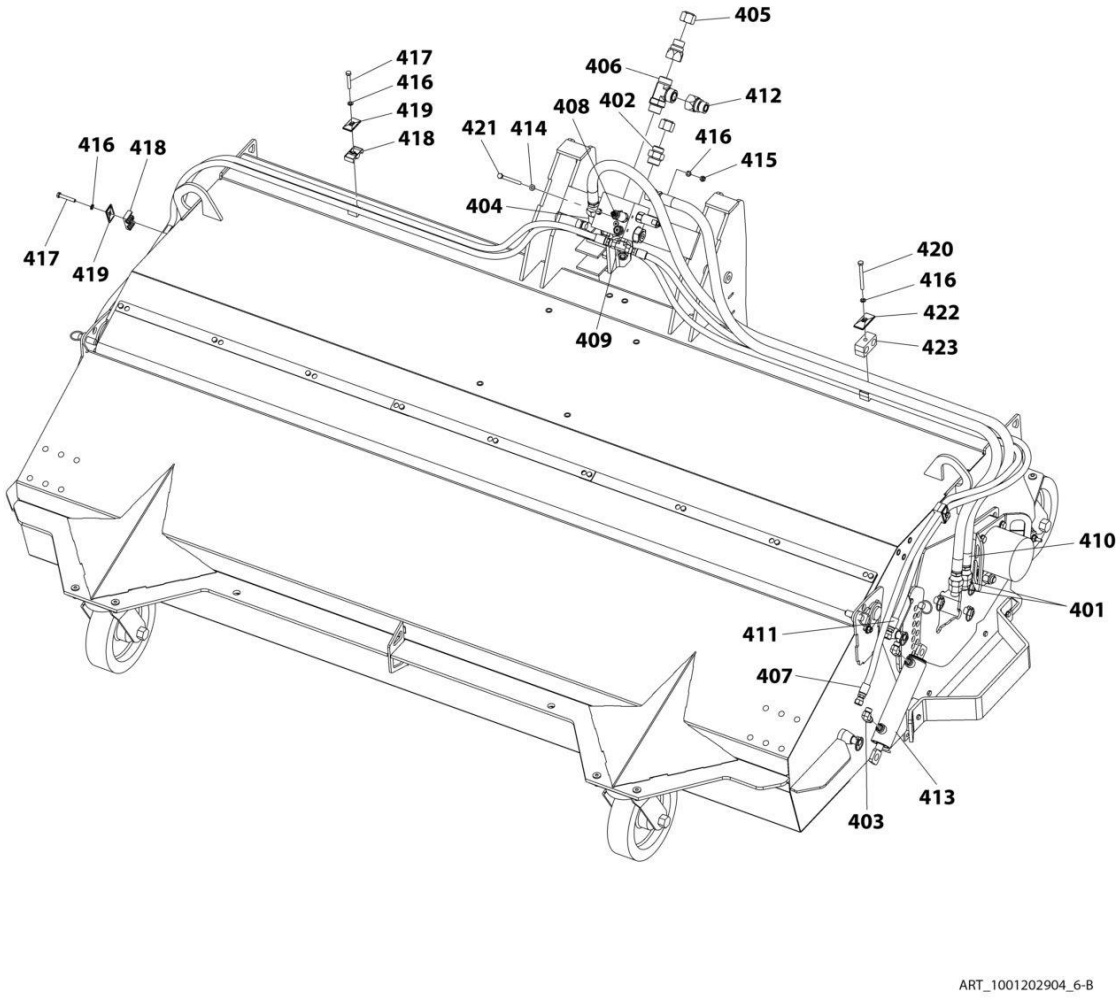


FIGURE 3-51. SWEEPER ASSEMBLY - HYDRAULIC SINGLE MOTOR ASSEMBLY

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

FIGURE 3-52. TRASHER HOPPER

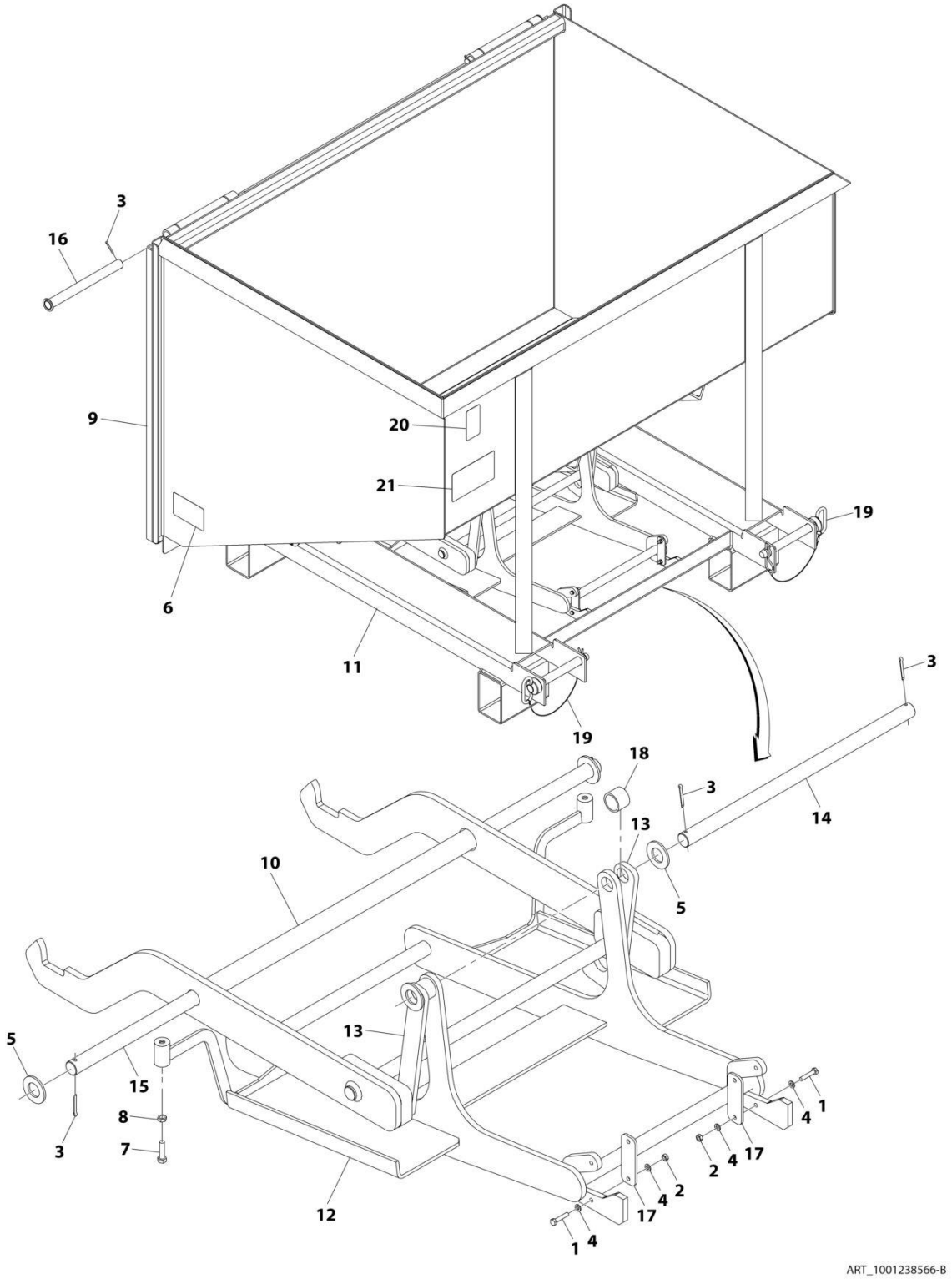


FIGURE 3-52. TRASHER HOPPER

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

SECTION 4 - ENGINE AND ATTACHING PARTS

SECTION 4 - ENGINE AND ATTACHING PARTS

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

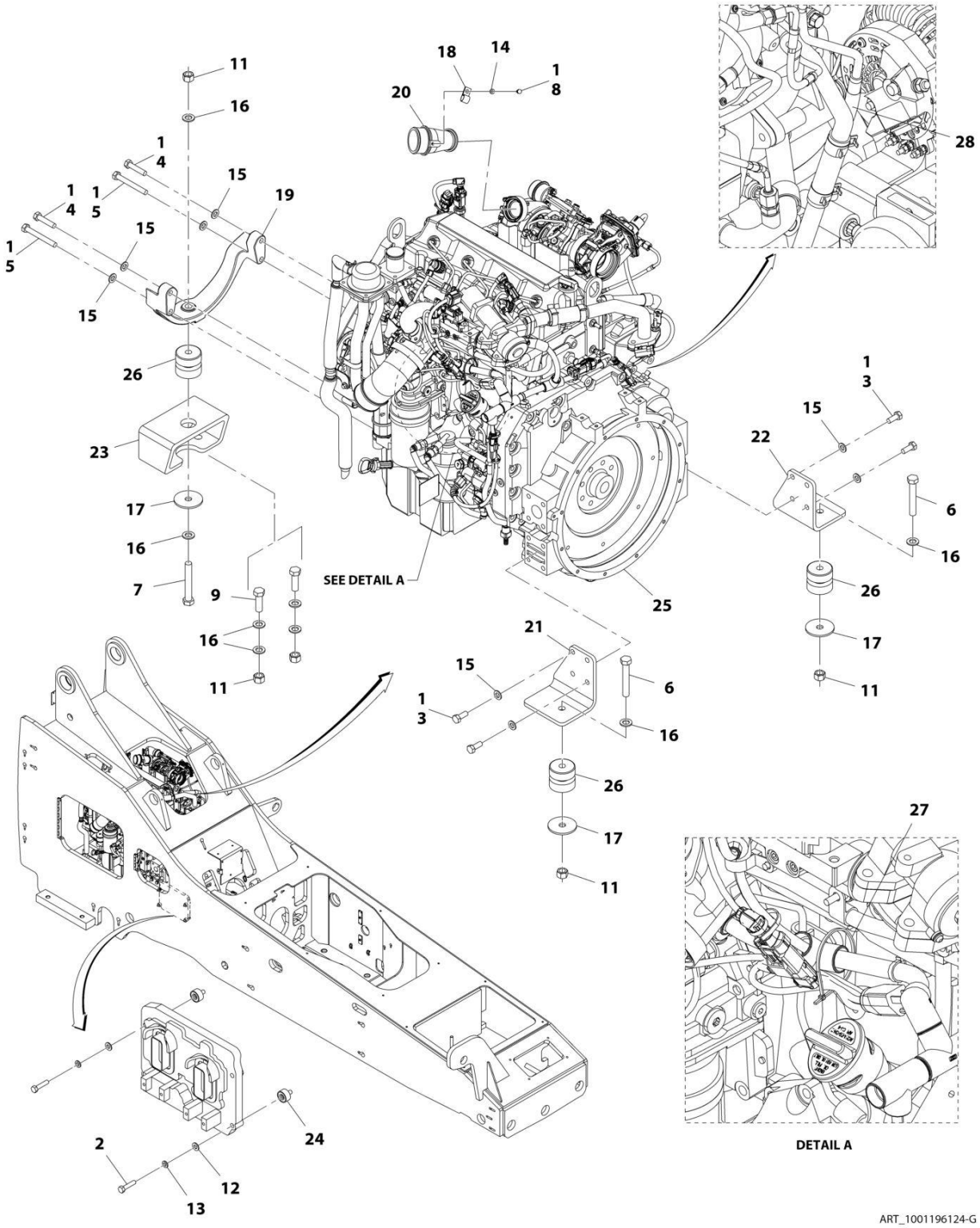
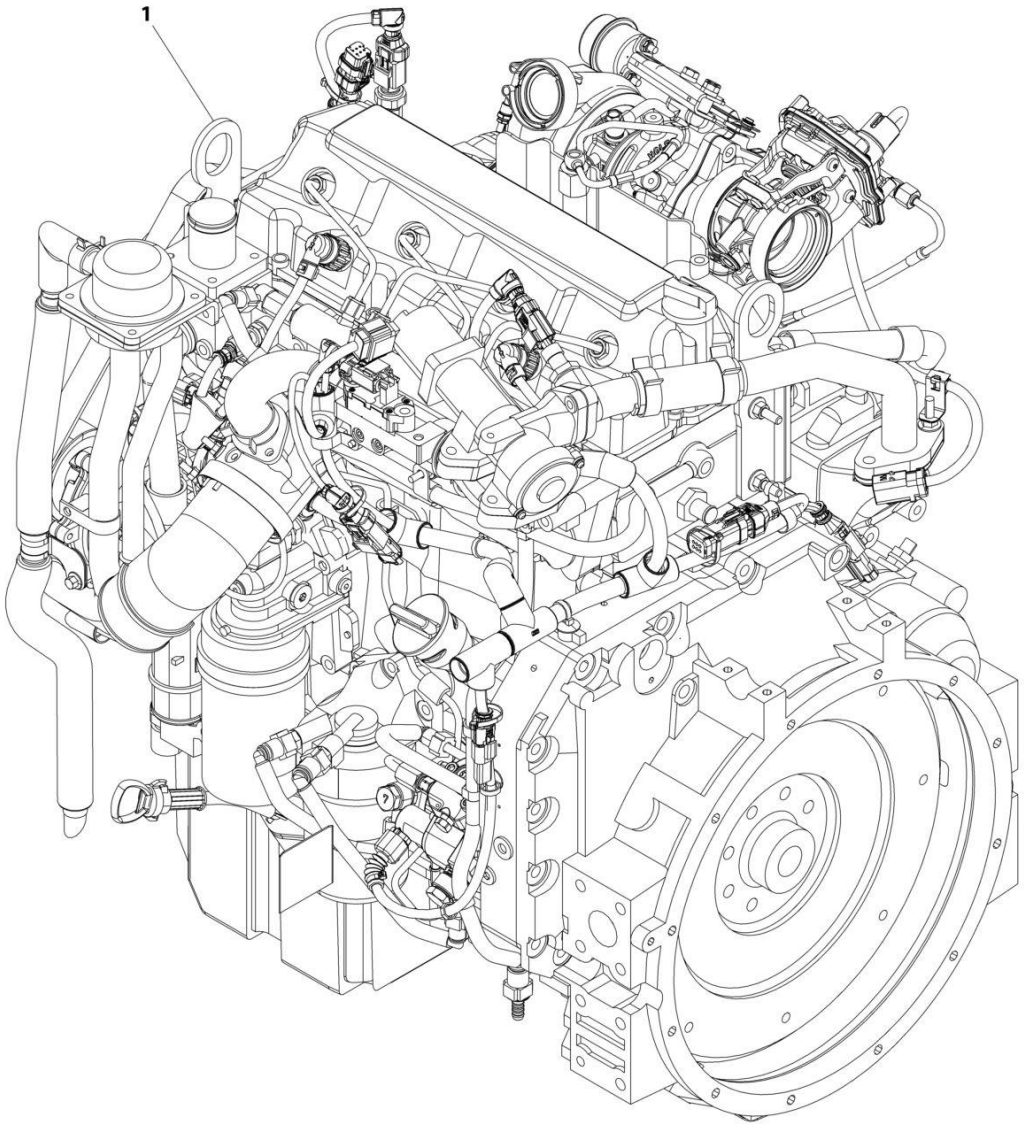


FIGURE 4-1. ENGINE INSTALLATION - 74HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196124	Ref	Engine Installation, 74HP (if equipped for ULS)	G
1	0100011	AR	Compound, Locking	
2	0641511	4	Bolt, 5/16-18X1-3/8	
3	0711214	8	Bolt, M12X30	
4	0711219	2	Bolt, M12X55	
5	0711227	2	Bolt, M12X100	
6	0711627	2	Bolt, M16X100	
7	0711628	1	Bolt, M16X110	
8	0760605	1	Bolt, M6X10	
9	0771618	2	Bolt, M16X50	
11	3331615	5	Nut, Lock M16X12	
12	4711500	4	Washer, 5/16	
13	4761500	4	Washer, Lock 5/16	
14	4811700	1	Washer, M6	
15	4812100	12	Washer, M12	
16	4812300	8	Washer, M16	
17	7300435	3	Washer, Rebound	
18	8406112	1	Clip, Tube 5/8	
19	1001160116	1	Bracket, Engine Mount Casting	
20	1001161920	1	Adapter	
21	1001165517	1	Bracket, Engine Mount	
22	1001165518	1	Bracket, Engine Mount	
23	1001180473	1	Bracket, Rear Engine Mount	
24	1001186373	4	Mount, Isolator ECM	
25	1001196665	1	Engine (See Separate Breakdown in this Section)	
26	1001165660	3	Mount, Isolator Engine	
27	4240099	1	Strap, Tie	
28	7125871	1	Conduit 0.5X8	

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



ART_1001196665

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

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

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

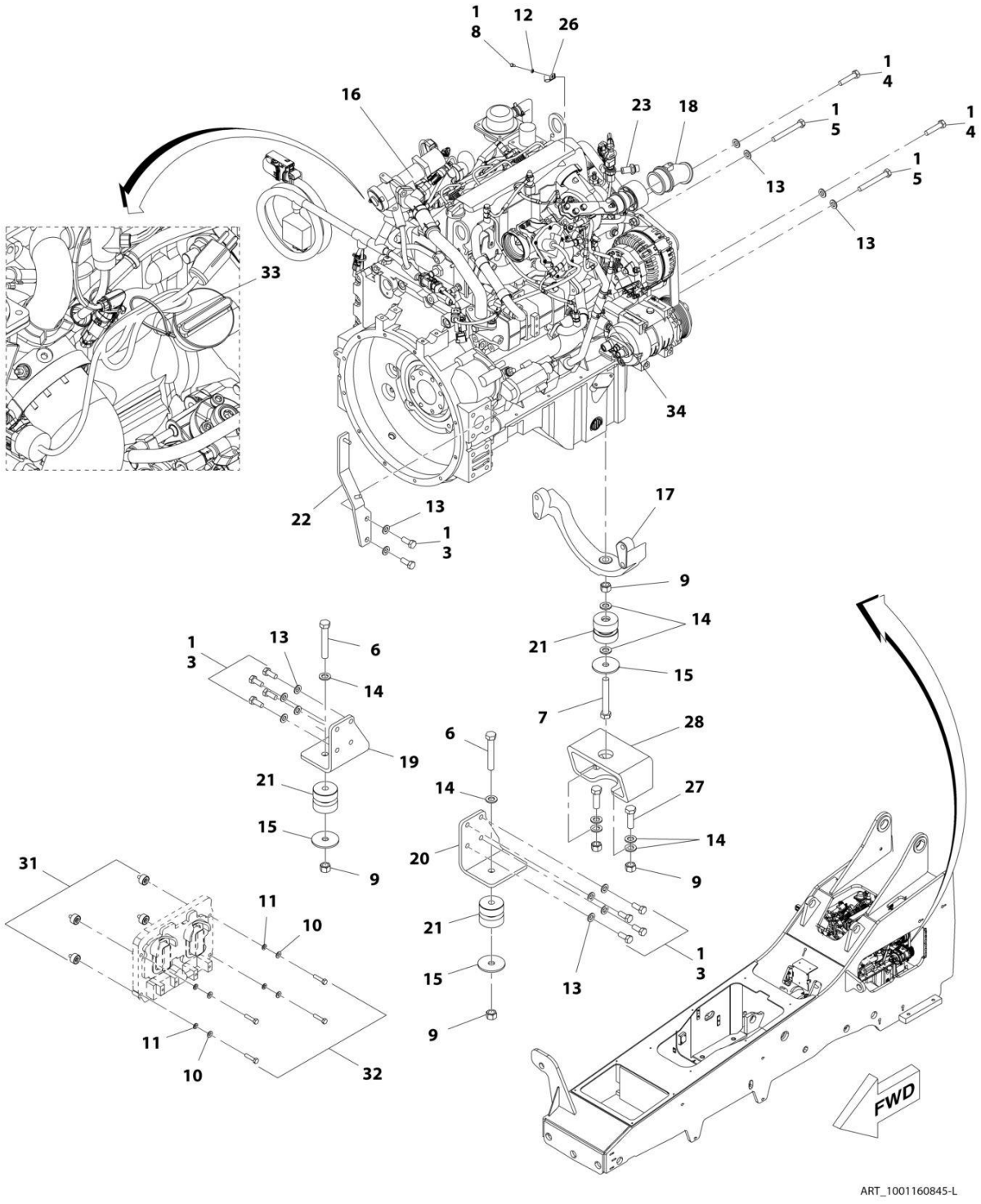


FIGURE 4-3. ENGINE INSTALLATION - 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160845	Ref	Engine Installation, 110HP (if equipped for ULS)	L
1	0100011	AR	Compound, Locking	
3	0711214	10	Bolt, M12X30	
4	0711219	2	Bolt, M12X55	
5	0711227	2	Bolt, M12X100	
6	0711627	2	Bolt, 16-2X100	
7	0711628	1	Bolt, 16-2X110	
8	0760605	1	Bolt, M6X10	
9	3331615	5	Nut, Lock M16X2	
10	4711500	4	Washer, Plain 5/16	
11	4761500	4	Washer, Lock 5/16	
12	4811700	1	Washer, M6	
13	4812100	14	Washer, M12	
14	4812300	8	Washer, M16	
15	7300435	3	Washer, Rebound	
16	1001154511	1	Engine (ULS) (See Separate Breakdown in this Section)	
17	1001160116	1	Bracket, Engine Mount Casting	
18	1001161920	1	Adapter	
19	1001165517	1	Bracket, Engine Mount	
20	1001165518	1	Bracket, Engine Mount	
21	1001165660	3	Mount, Isolator Engine	
22	1001197233	1	Bracket, Hose Support	
23	1001168822	1	Fitting, Hose Barb	
26	8406112	1	Clip, Tube 5/8	
27	0771618	2	Bolt, M16X50	
28	1001180473	1	Bracket, Rear Engine Mount	
31	1001186373	4	Mount, Isolator ECM	
32	0641511	4	Bolt, 5/16-18X1-3/8	
33	4240099	1	Strap, Tie	
34	7125871	1	Conduit, 1/2X8	

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

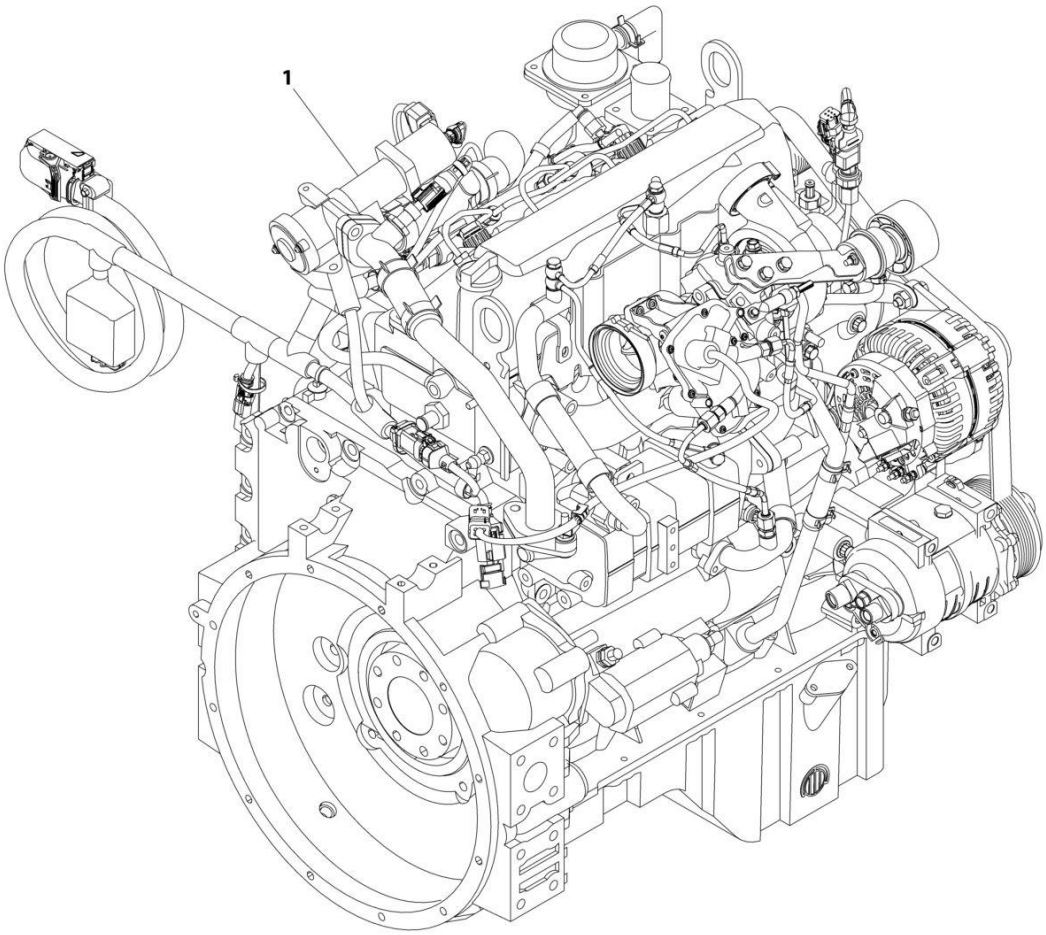


FIGURE 4-4. ENGINE COMPONENTS - 110HP (ULS)

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

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

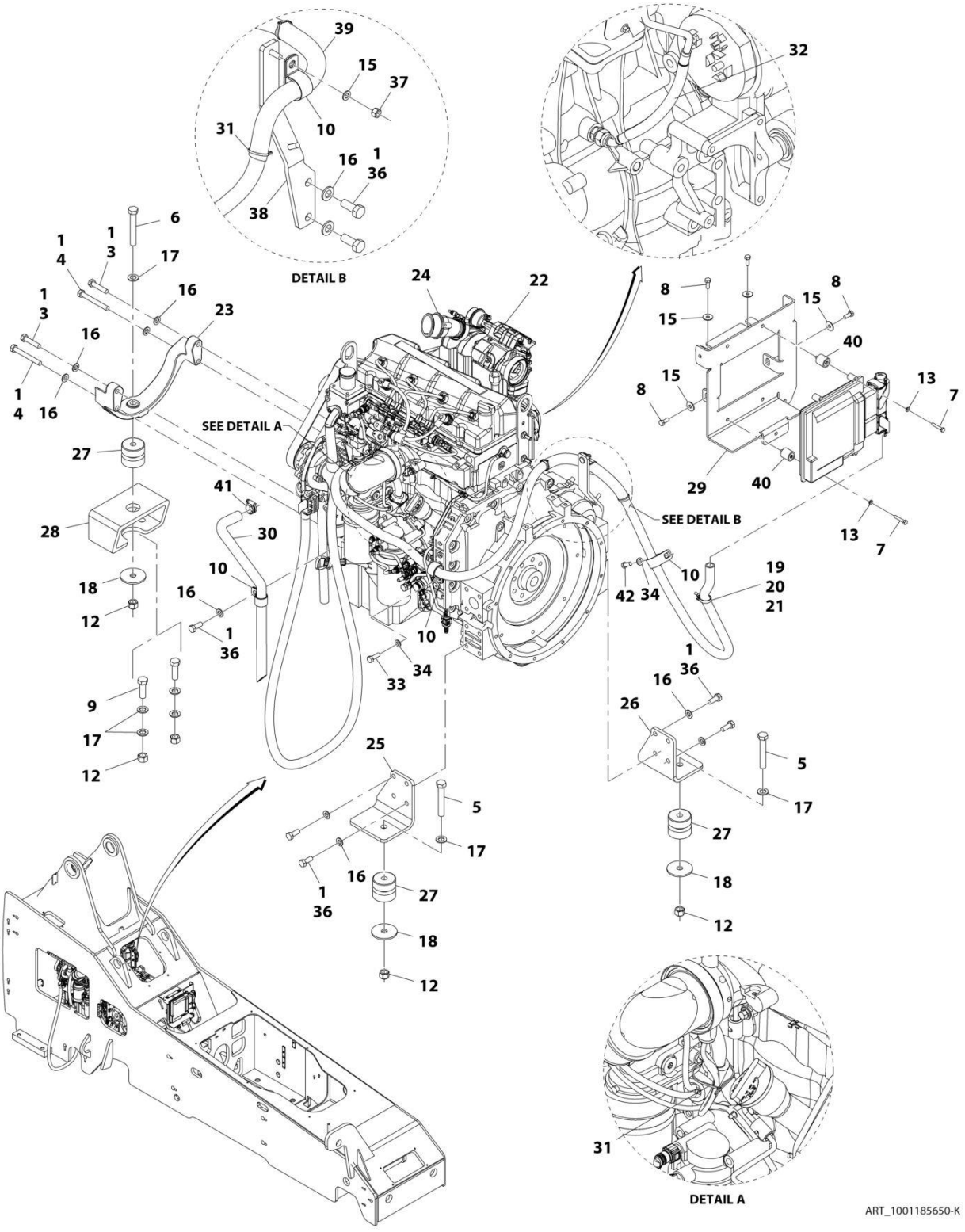


FIGURE 4-5. ENGINE INSTALLATION - 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185650	Ref	Engine Installation (if equipped for LS)	K
1	0100011	AR	Compound, Locking	
3	0711219	2	Bolt, M12X55	
4	0711227	2	Bolt, M12X100	
5	0711627	2	Bolt, M16X100	
6	0711628	1	Bolt, M16X110	
7	0760614	4	Bolt, M6X30	
8	0760810	4	Bolt, M8X20	
9	0771618	2	Bolt, M16X50	
10	8406303	4	Clip, Tube 1-3/16	
12	3331615	5	Nut, Lock M16X2	
13	4811700	4	Washer, M6	
15	4811902	5	Washer, M8	
16	4812100	15	Washer, M12	
17	4812300	7	Washer, M16	
18	7300435	3	Washer, Rebound	
19	8881800	1	Strap, Cable	
20	88261015	1	Bolt, 1/4-20X5/8	
21	1001138645	1	Mount, Cable Tie	
22	1001154790	1	Engine (See Separate Breakdown in this Section)	
23	1001160116	1	Bracket, Engine Mount Casting	
24	1001161920	1	Adapter	
25	1001165517	1	Bracket, Engine Mount	
26	1001165518	1	Bracket, Engine Mount	
27	1001165660	3	Mount, Isolator Engine	
28	1001180473	1	Bracket, Rear Engine Mount	
29	1001211688	1	Bracket, ECM Mount	
30	1001192134	1	Hose	
31	4240099	3	Strap, Tie	
32	7125871	1	Conduit	
33	0761014	1	Capscrew, 10X30	
34	4812000	2	Washer, M10	
36	0711214	11	Bolt, M12X30	
37	3290805	1	Nut, Lock M8X1-1/4	
38	1001197233	1	Bracket	
39	1001186718	1	Insulate, Heat Shield Tube	
40	1001211697	4	Mount, Isolator ECM	
41	1001173535	1	Clamp	
42	0641608	1	Bolt, 3/8-16X1	

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

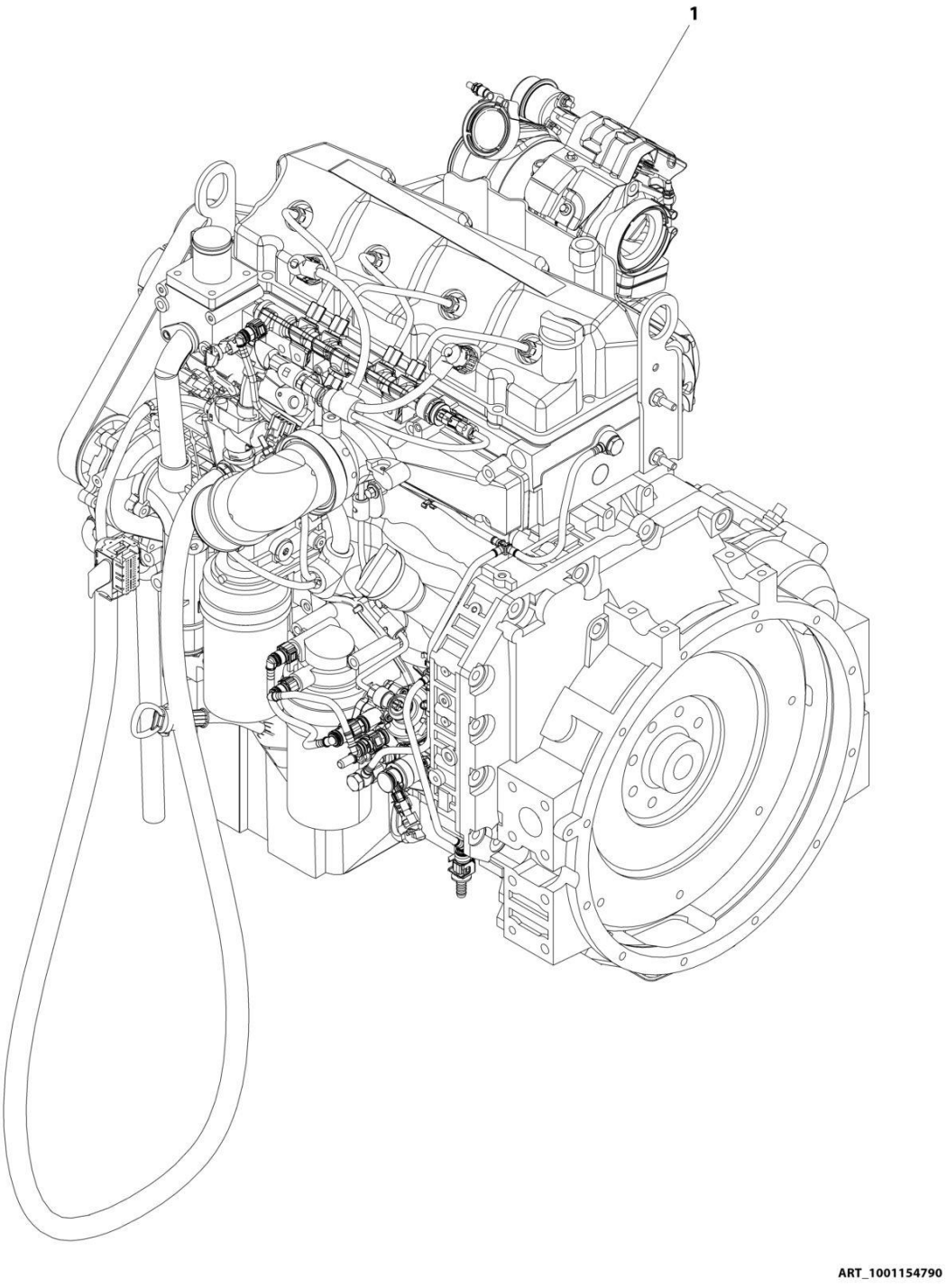


FIGURE 4-6. ENGINE COMPONENTS - 110HP (LS)

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

FIGURE 4-7. AIR CLEANER INSTALLATION - 74HP & 110HP (ULS)

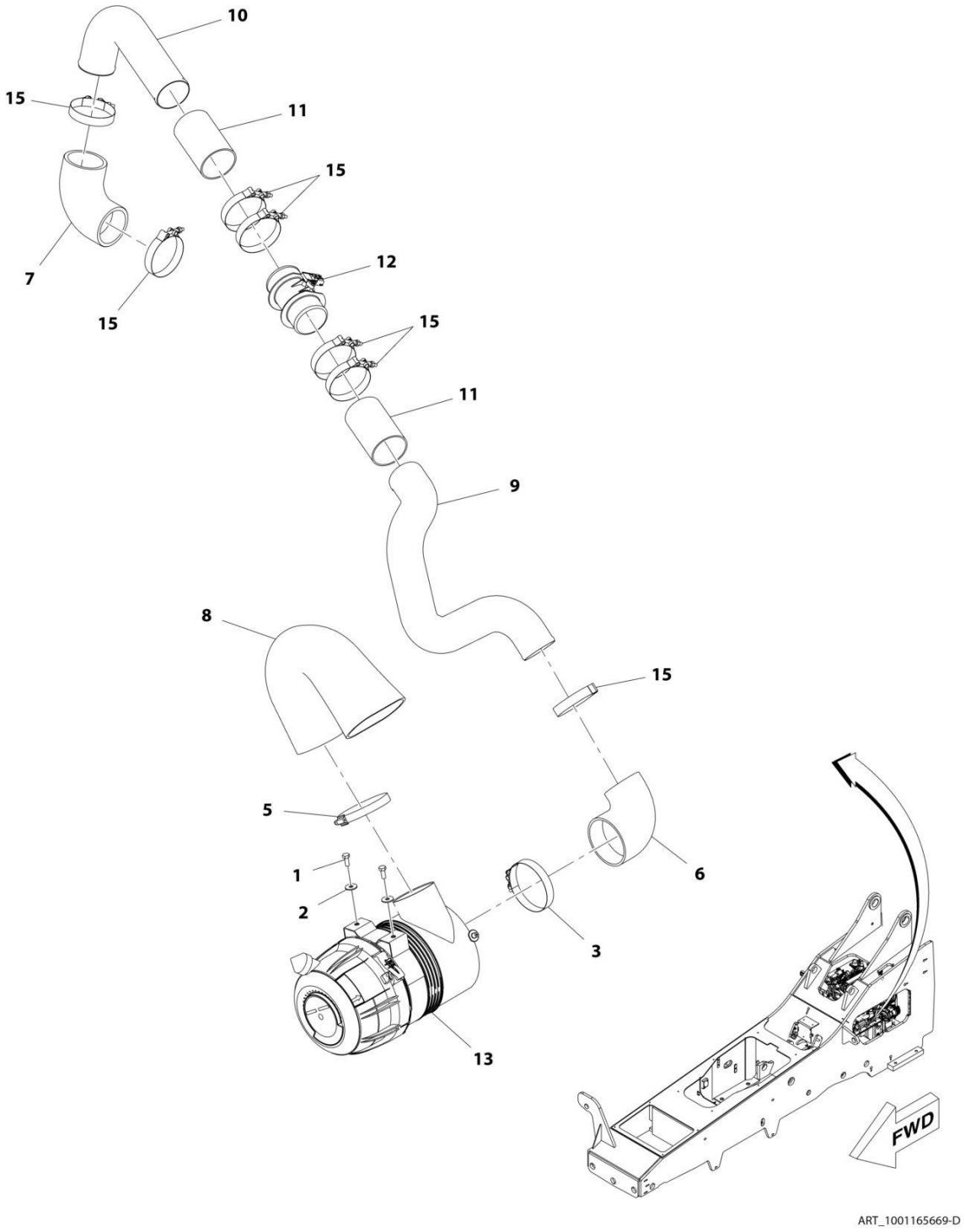


FIGURE 4-7. AIR CLEANER INSTALLATION - 74HP & 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165669	Ref	Air Cleaner Installation (if equipped for ULS)	D
1	0760810	2	Bolt, M8X20	
2	4811902	2	Washer, M8	
3	8405404	1	Clamp, T-Bolt	
5	10719267	1	Clamp, Hose	
6	1001201831	1	Hose, Air Intake	
7	1001120083	1	Hose, Air Intake	
8	1001165818	1	Hose, Air Intake	
9	1001168051	1	Pipe, Air Intake	
10	1001168052	1	Pipe, Air Intake	
11	1001168053	2	Hose, Sleeve	
12	1001169077	1	Sensor, PRS Temperature	
13	1001166566	1	Assembly, Air Cleaner (See Separate Breakdown in this Section)	
15	8410007	7	Clamp, T-Bolt	

FIGURE 4-8. AIR CLEANER ASSEMBLY - 74HP & 110HP (ULS)

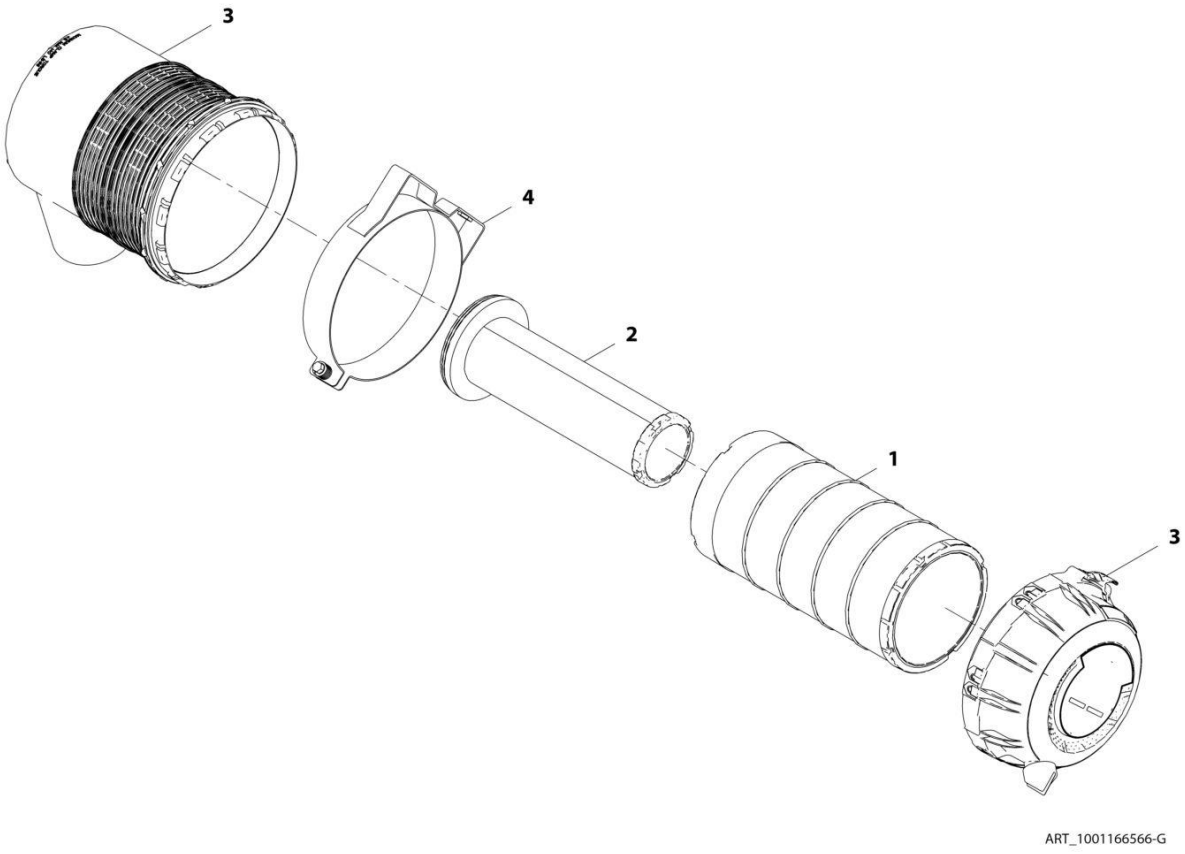


FIGURE 4-8. AIR CLEANER ASSEMBLY - 74HP & 110HP (ULS)

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

FIGURE 4-9. AIR CLEANER INSTALLATION - 110HP (LS)

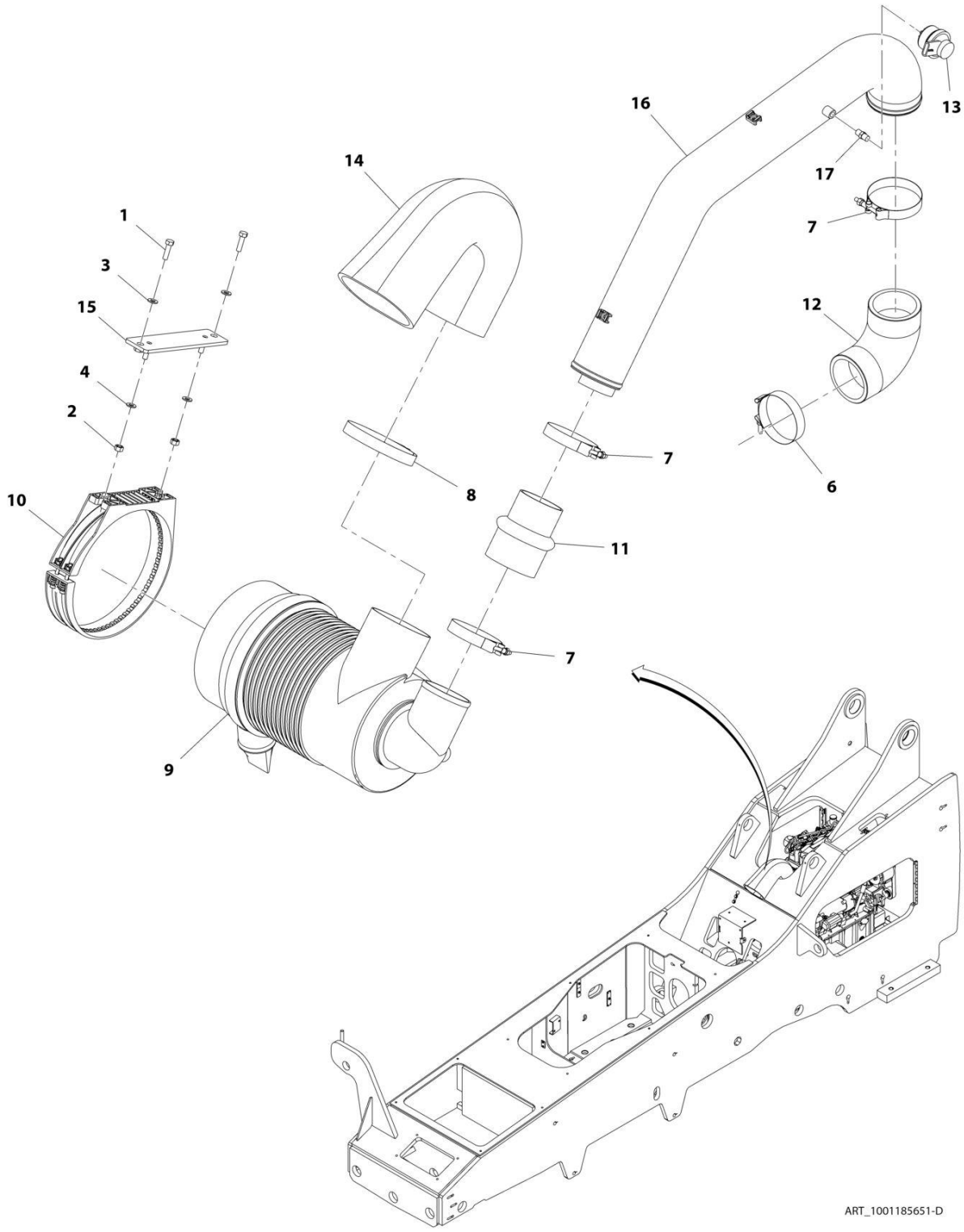


FIGURE 4-9. AIR CLEANER INSTALLATION - 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185651	Ref	Air Cleaner Installation (if equipped for LS)	D
1	0760815	2	Bolt, M8X35	
2	8305043	2	Nut, M8X1.25	
3	8307106	2	Washer, Plain 5/16	
4	8307222	2	Washer, Plain M8	
6	90028631	1	Clamp, T-Bolt	
7	8405307	3	Clamp, T-Bolt	
8	8410021	1	Clamp, T-Bolt	
9	10268515	1	Assembly, Air Cleaner (See Separate Breakdown in this Section)	
10	10268516	1	Band, Mounting	
11	91293003	1	Hose, Hump Reducer	
12	91083129	1	Elbow, Reducer	
13	1001166715	1	Restriction, Indicator	
14	1001190005	1	Hose, Air Intake	
15	1001190183	1	Bracket, Air Filter Band Mount	
16	1001212670	1	Pipe, Air Intake	
17	2180798	1	Fitting	

FIGURE 4-10. AIR CLEANER ASSEMBLY - 110HP (LS)

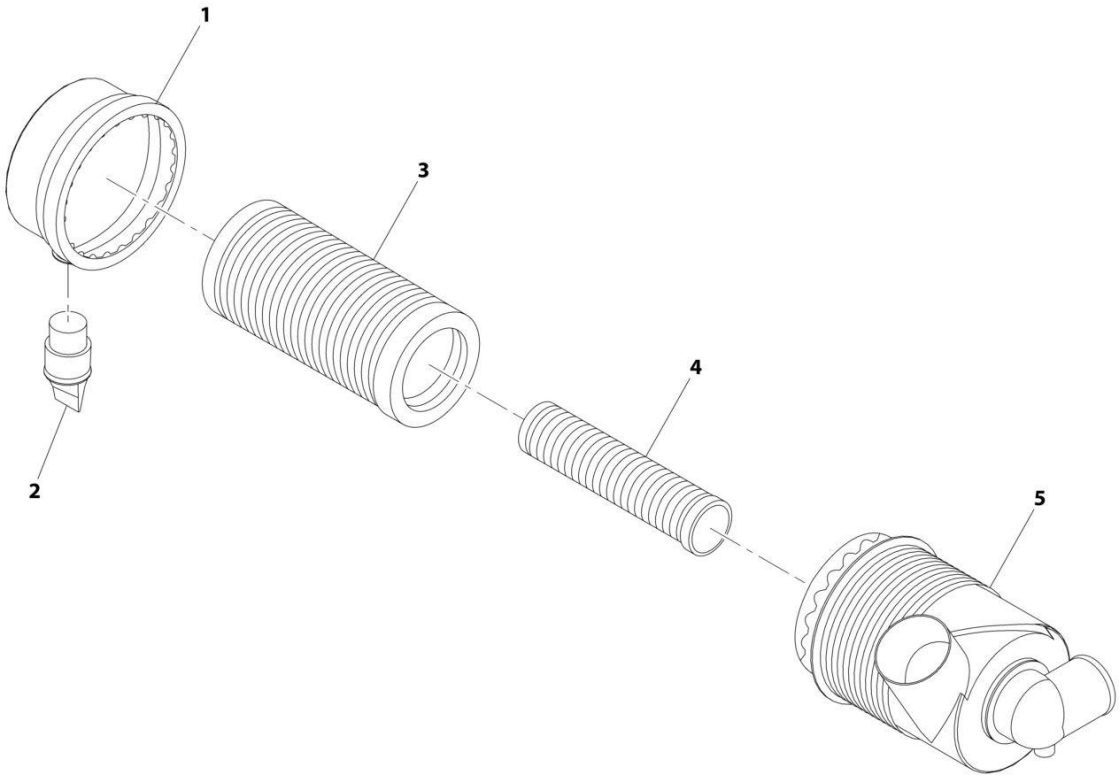


FIGURE 4-10. AIR CLEANER ASSEMBLY - 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	10268515	Ref	Air Cleaner Assembly (if equipped for LS)	D
1	91364023	1	Cover Assembly	
2	80373094	1	Vacuator Valve	
3	1101312	1	Primary Filter Element	
4	1101313	1	Secondary Filter Element	
5	See Note	NSS	Air Cleaner Body (Note; Purchase Complete Assembly)	

FIGURE 4-11. EXHAUST INSTALLATION - 74HP (ULS)

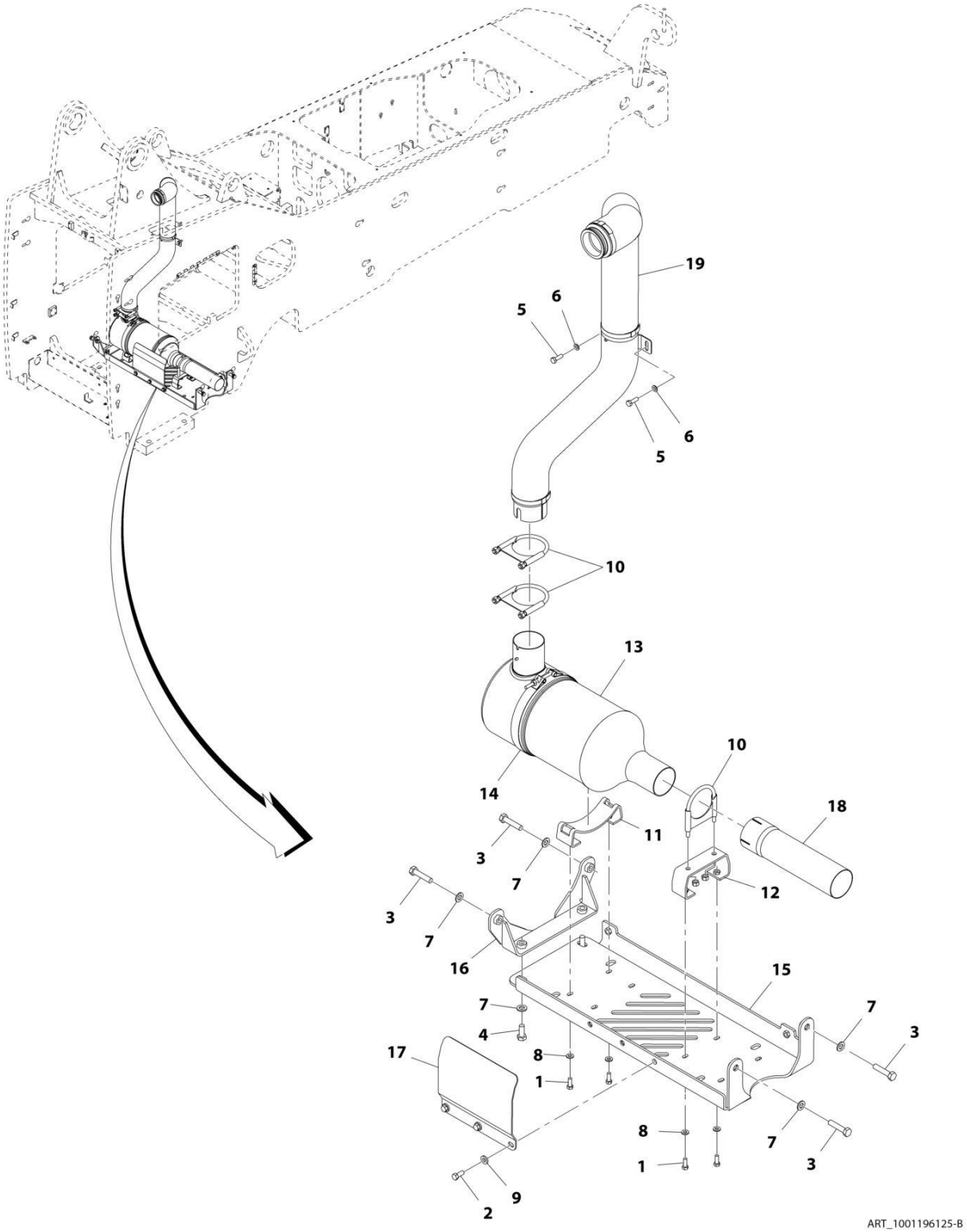


FIGURE 4-11. EXHAUST INSTALLATION - 74HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196125	Ref	Exhaust Installation, 74HP (if equipped for ULS)	B
1	0641507	4	Bolt, 5/16-18X7/8	
2	0641607	3	Bolt, 3/8-16X7/8	
3	0701219	4	Bolt, M12X55	
4	0711214	2	Bolt, M12X30	
5	0760812	2	Bolt, M8X25	
6	4811900	2	Washer, M8	
7	4812100	6	Washer, M12	
8	4891500	4	Washer, 5/16	
9	4891600	3	Washer, 3/8	
10	24921332	3	Clamp	
11	1001128363	1	Bracket	
12	1001128364	1	Bracket	
13	1001128714	1	Muffler	
14	1001128901	1	Strap	
15	1001166935	1	Bracket	
16	1001169057	1	Bracket	
17	1001174327	1	Shield	
18	1001196396	1	Pipe, Exhaust	
19	1001196397	1	Pipe, Exhaust	

FIGURE 4-12. EXHAUST INSTALLATION - 110HP (ULS)

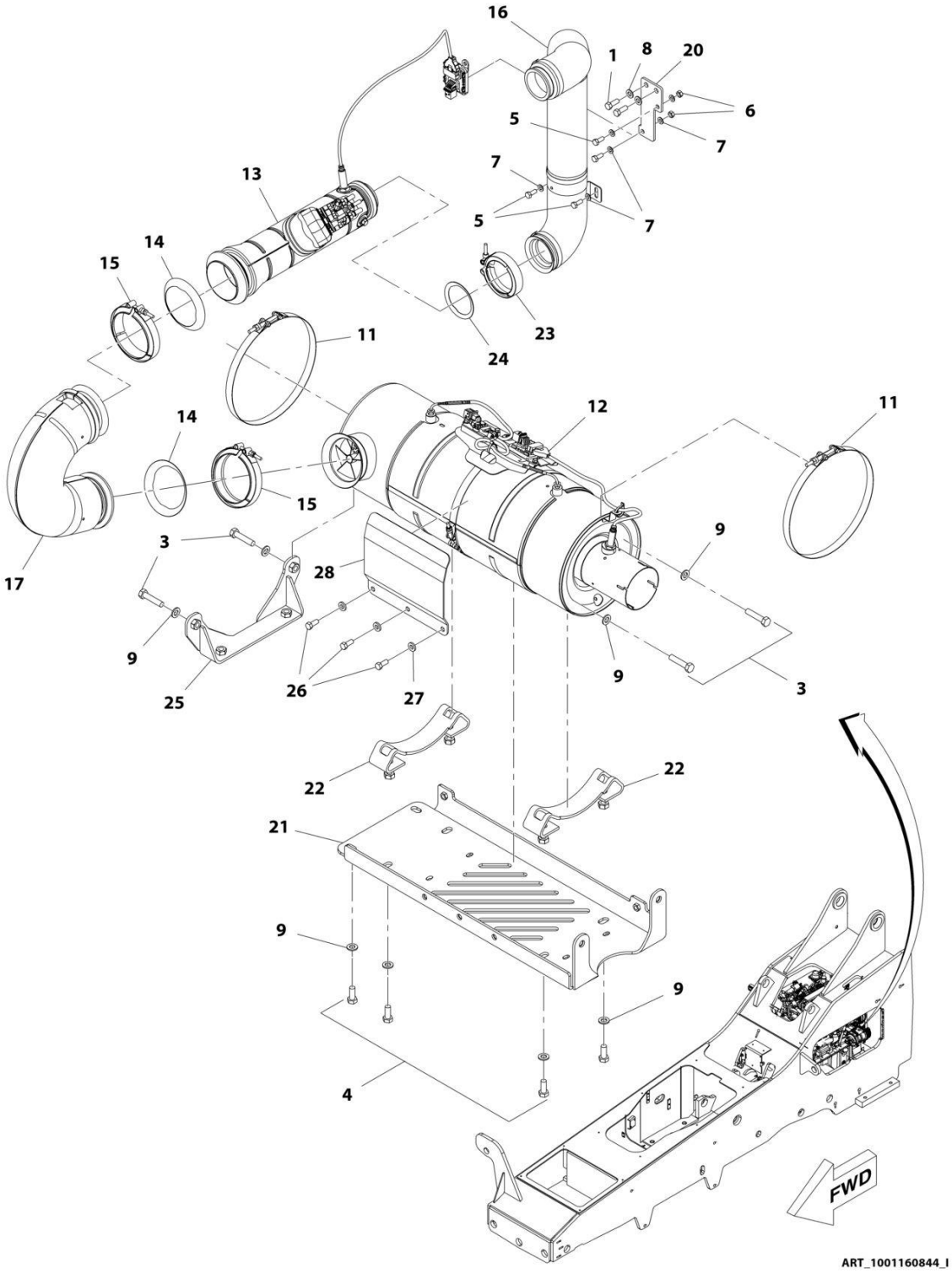


FIGURE 4-12. EXHAUST INSTALLATION - 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160844	Ref	EXHAUST INSTALLATION - 110HP (ULS)	H
1	0641608	2	Bolt 3/8-16 x 1	
3	0701219	4	Bolt M12 x 55	
4	0711214	6	Bolt M12 x 30, Grade 10.9	
5	0760810	4	Bolt M8 x 20	
6	3290801	2	Nut M8 x 1-1/4	
7	4811900	6	Washer M8	
8	4812000	2	Washer M10	
9	4812100	10	Washer M12	
11	1001159932	2	Strap, Clamp	
12	1001160782	1	Muffler, After-Treatment	
13	1001164404	1	Muffler, Decomposition Reactor Tube	
14	1001241318	2	Seal, Gasket	
15	1001241482	2	Clamp, V-Band	
16	1001183811	1	Pipe, Exhaust	
17	1001165609	1	Pipe, Exhaust	
20	1001166693	1	Bracket	
21	1001166935	1	Bracket	
22	1001166976	2	Bracket	
23	1001167167	1	Clamp, V-Band	
24	1001167168	1	Seal, Gasket	
25	1001169057	1	Bracket	
26	0641607	3	Bolt 3/8-16 x 7/8	
27	4891600	3	Washer 3/8	
28	1001174327	1	Shield	

FIGURE 4-13. EXHAUST INSTALLATION - 110HP (LS)

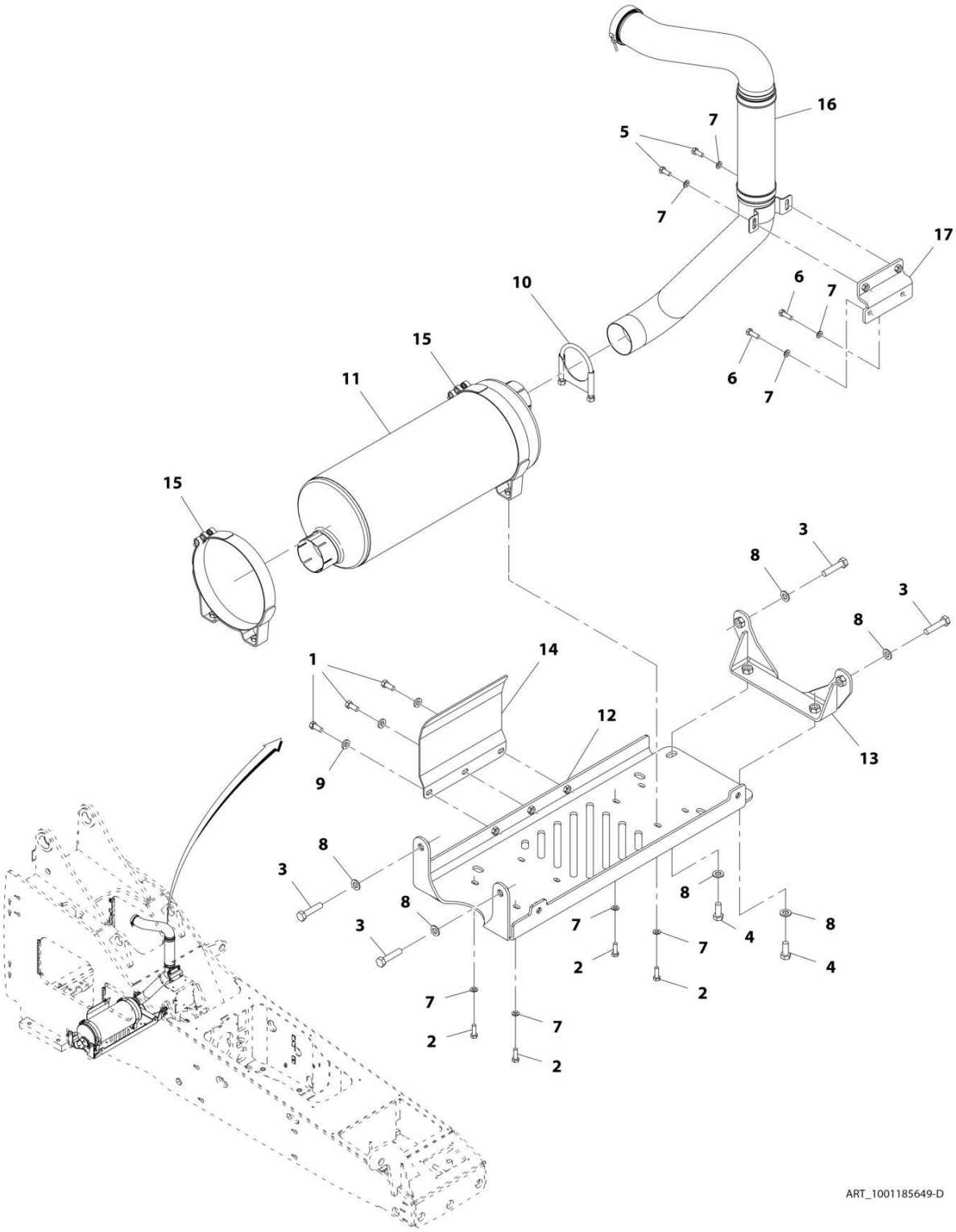


FIGURE 4-13. EXHAUST INSTALLATION - 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185649	Ref	Exhaust Installation, 85HP (if equipped for LS)	D
1	0641607	3	Bolt, 3/8-16X7/8	
2	0700812	4	Bolt, M8X25	
3	0701219	4	Bolt, M12X55	
4	0711214	2	Bolt, M12X30, Grade 10.9	
5	0760810	2	Bolt, M8X20	
6	0760812	2	Bolt, M8X25	
7	4811900	8	Washer, M8	
8	4812100	6	Washer, M12	
9	4891600	3	Washer, 3/8	
10	24921332	1	Clamp	
11	91163035	1	Muffler	
12	1001166935	1	Bracket	
13	1001169057	1	Bracket	
14	1001174327	1	Shield	
15	1001180227	2	Muffler, Band Clamp	
16	1001190962	1	Pipe, Exhaust	
17	1001190990	1	Bracket, Exhaust Support	

FIGURE 4-14. DEF SYSTEM INSTALLATION (ULS)

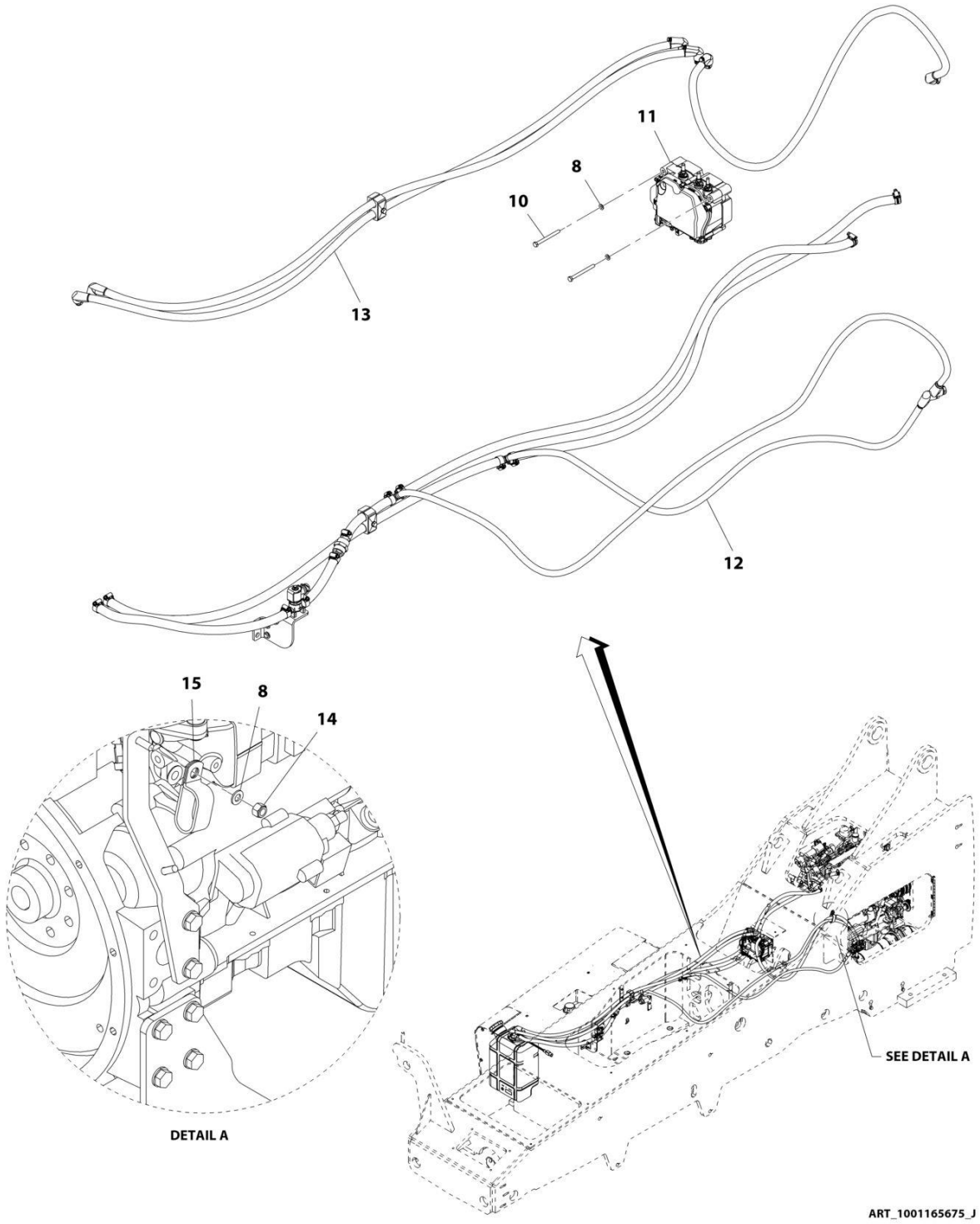


FIGURE 4-14. DEF SYSTEM INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165675	Ref	DEF System Installation (if equipped for ULS)	J
8	4811900	4	Washer, M8	
10	8310424	3	Bolt, M8X90	
11	1001213210	Ref	DEF Pump Assembly (See Separate Breakdown in this Section)	
12	1001229117	Ref	DEF Coolant Lines Installation (Not Shown -See separate Breakdown in this Section)	
13	1001229025	Ref	DEF Lines Installation (Not Shown - See separate Breakdown in this Section)	
14	3290805	1	Nut, Lock M8X1-1/4	
15	1001181899	1	Clamp	

FIGURE 4-15. DEF PUMP ASSEMBLY

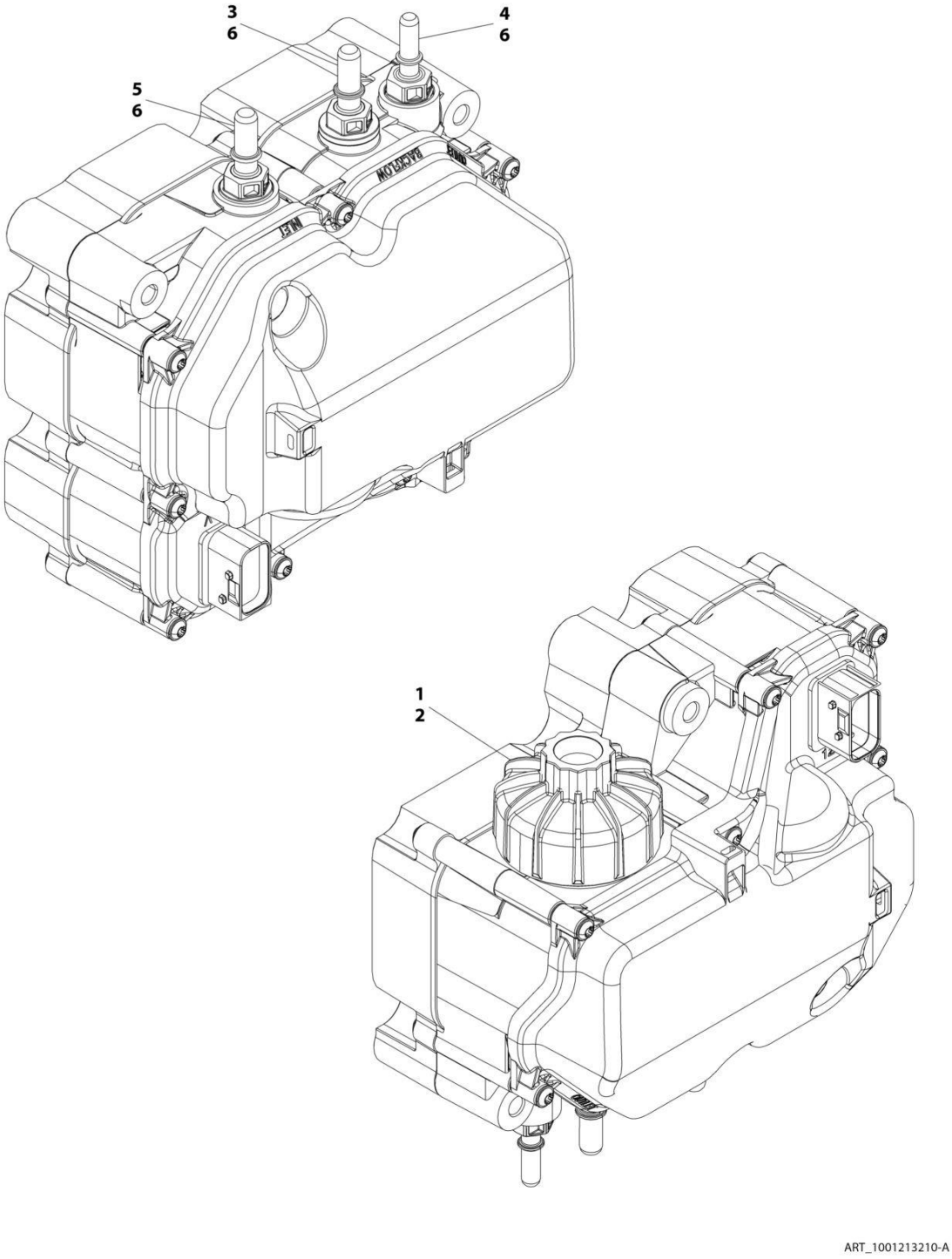


FIGURE 4-15. DEF PUMP ASSEMBLY

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

FIGURE 4-16. DEF COOLANT LINES INSTALLATION

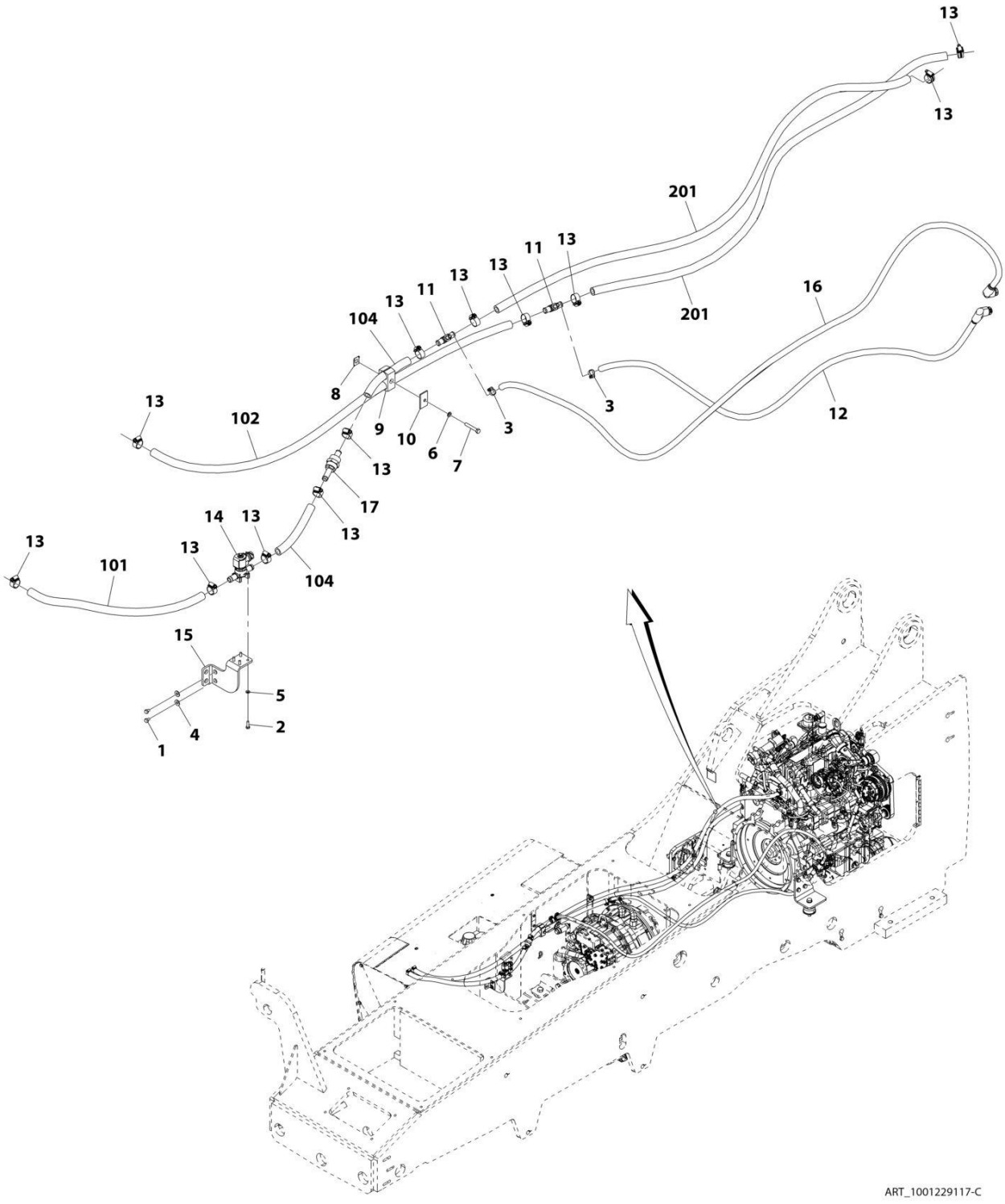


FIGURE 4-16. DEF COOLANT LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229117	Ref	DEF Coolant Lines Installation	C
1	0641403	2	Bolt, 1/4X3/8	
2	0760610	4	Bolt, M6X20	
3	1320032	2	Clamp, Fuel Line	
4	4751400	2	Washer, 1/4	
5	4811700	4	Washer, M6	
6	8307004	1	Washer 5/16	
7	8310009	1	Bolt, 5/16X2	
8	8750017	1	Plate, Locking	
9	8769127	1	Clamp Set, Twin	
10	8769128	1	Plate, Twin Cover	
11	1001162212	2	Fitting, Hose Barb Tee	
12	1001169001	1	Hose	
13	1001173535	12	Clamp	
14	1001199670	1	Valve, Coolant Control	
15	1001199951	1	Bracket, Valve Mount	
16	1001224096	1	Hose	
17	1001228872	1	Filter, Coolant Screen	
101	1001171472	1	Hose	
102	1001171473	1	Hose	
103	1001229210	2	Hose	
201	1001171474	2	Hose	

FIGURE 4-17. DEF LINES INSTALLATION

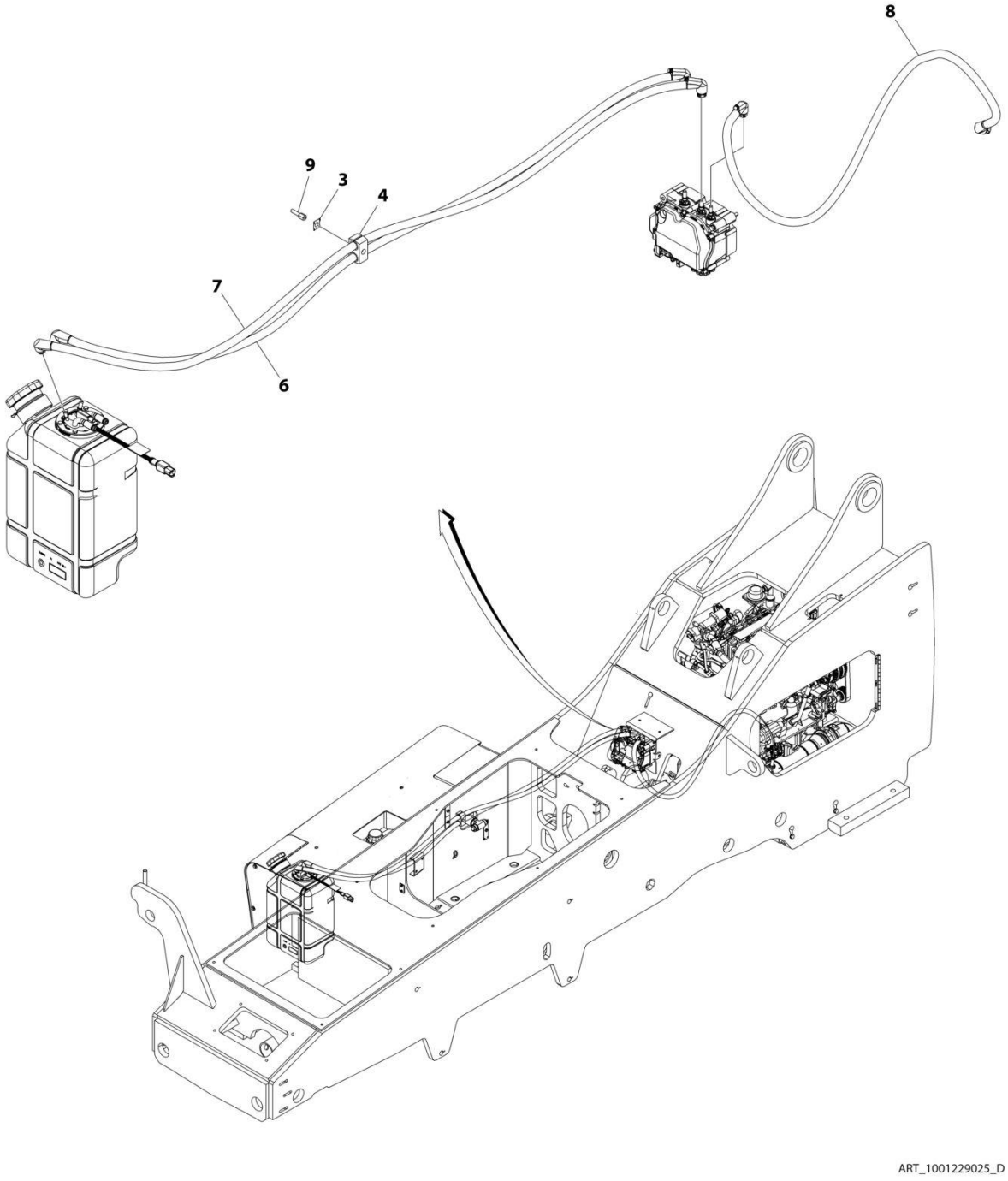


FIGURE 4-17. DEF LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229025	Ref	DEF Lines Installation	D
3	8750017	1	Plate, Locking	
4	8769127	1	Clamp Set, Twin	
6	1001229023	1	Hose	
7	1001229024	1	Hose	
8	1001168859	1	Hose	
9	8750012	1	Bolt, Stacking	

FIGURE 4-18. FUEL LINES INSTALLATION - 74HP & 110HP (ULS)

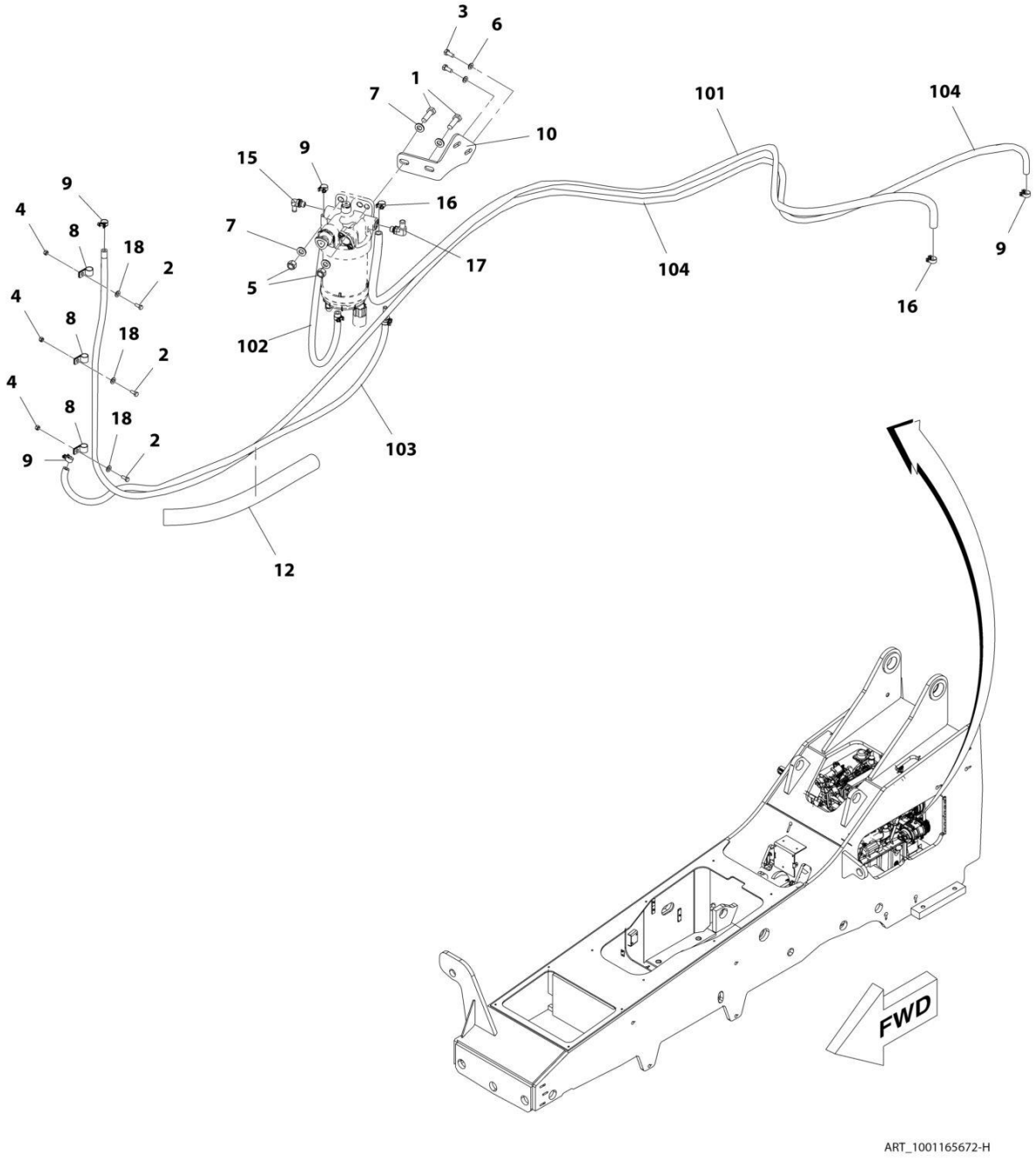


FIGURE 4-18. FUEL LINES INSTALLATION - 74HP & 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165672	Ref	Fuel Plumbing Installation (if equipped for ULS)	H
1	0701216	2	Bolt, M12X40	
2	0760608	3	Bolt, M6X16	
3	0761012	2	Bolt, M10X25	
4	3290605	3	Nut, Lock M6X1	
5	3291205	2	Nut, Lock M12X1-3/4	
6	4812000	2	Washer, M10	
7	4812100	4	Washer, M12	
8	8406112	3	Clip, Tube 5/8	
9	1001136975	5	Clamp, Fuel Hose	
10	1001182603	1	Bracket, Filter Mount	
12	1001136358	1	Sleeve, Abrasion	
15	1001182094	1	Adapter, Banjo M14X3/8	
16	1001175568	2	Clip, Hose	
17	1001179375	1	Adapter, Banjo M14X1/2	
18	4811700	3	Washer, M6	
101	1001171802	1	Hose	
102	1001171803	1	Hose	
103	1001201111	1	Hose	
104	1001171805	1	Hose	

FIGURE 4-19. FUEL LINES INSTALLATION - 110HP (LS)

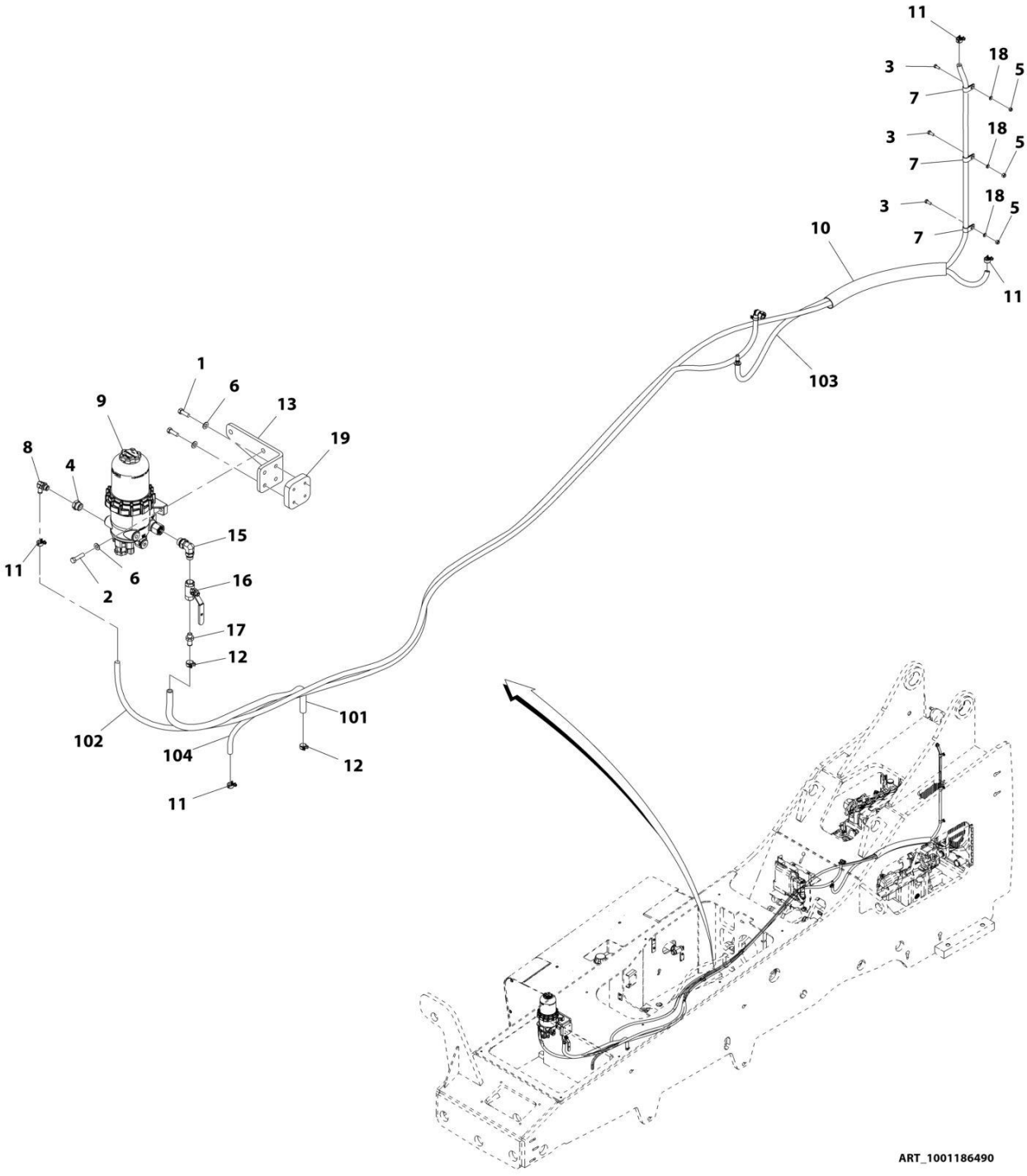


FIGURE 4-19. FUEL LINES INSTALLATION - 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186490	Ref	Fuel Plumbing Installation (if equipped for LS)	J
1	0641609	4	Bolt, 3/8-16X1-1/8	
2	0641612	2	Bolt, 3/8-16X1-1/2	
3	0760608	3	Bolt, M6X16	
4	2220218	1	Adapter, Straight	
5	3290605	3	Nut, Lock M6X1	
6	4711600	6	Washer, 3/8	
7	8406112	3	Clip, Tube 5/8	
8	1001178776	1	Elbow, 90	
9	1001133534	1	Filter, Fuel	
10	1001136358	1	Sleeve, Abrasion	
11	1001136975	4	Clamp, Fuel Hose	
12	1001175568	2	Clip, Hose	
13	1001190349	1	Bracket, Support	
15	1001190629	1	Adapter, 90	
16	1001190630	1	Valve Shutoff, Female	
17	1001190631	1	Fitting, Hose Barb	
18	4811600	3	Washer, M6	
19	1001190344	1	Bracket	
100	1001190372	1	Hose Kit (Not Shown)	
101	1001190370	1	Hose	
102	1001190371	1	Hose	
103	1001201111	1	Hose	
104	1001171805	1	Hose	

FIGURE 4-20. COOLING LINES INSTALLATION - 74HP & 110HP (ULS)

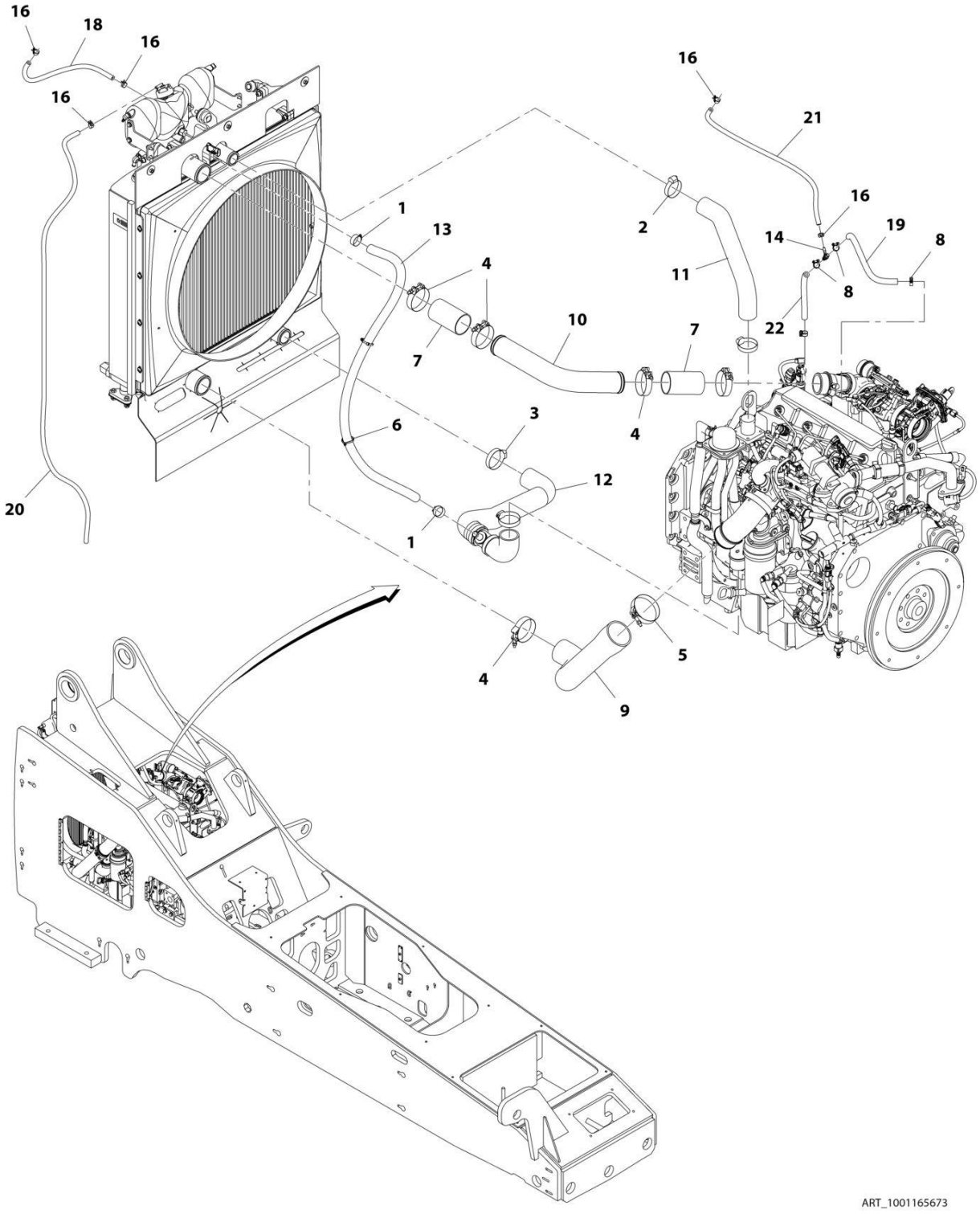


FIGURE 4-20. COOLING LINES INSTALLATION - 74HP & 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165673	Ref	Plumbing Cooling Installation (if equipped for ULS)	I
1	8405007	2	Clamp, Gear 1-1/4	
2	8405104	2	Clamp, Gear 2-1/4	
3	8405201	2	Clamp, Gear 2-1/2	
4	8405212	5	Clamp, T-Bolt	
5	8405305	1	Clamp, T-Bolt	
6	1001004720	2	Strap, Cable	
7	1001114495	2	Hose, CAC Straight	
8	1001136975	4	Clamp, Fuel Hose	
9	1001201983	1	Hose, CAC Outlet	
10	1001169271	1	Pipe, CAC Inlet	
11	1001169272	1	Hose, Upper Radiator	
12	1001201945	1	Hose, Lower Radiator	
13	1001169274	1	Hose, Draw Down	
14	1001235725	1	Fitting, Union Tee	
16	1001213938	5	Clamp, Fuel Line	
18	1001203969	1	Hose, Vent Line	
19	1001203970	1	Hose, Vent Line	
20	1001204097	1	Hose, Vent Line	
21	1001204098	1	Hose, Vent Line	
22	1001204099	1	Hose, Vent Line	

FIGURE 4-21. COOLING LINES INSTALLATION - 110HP (LS)

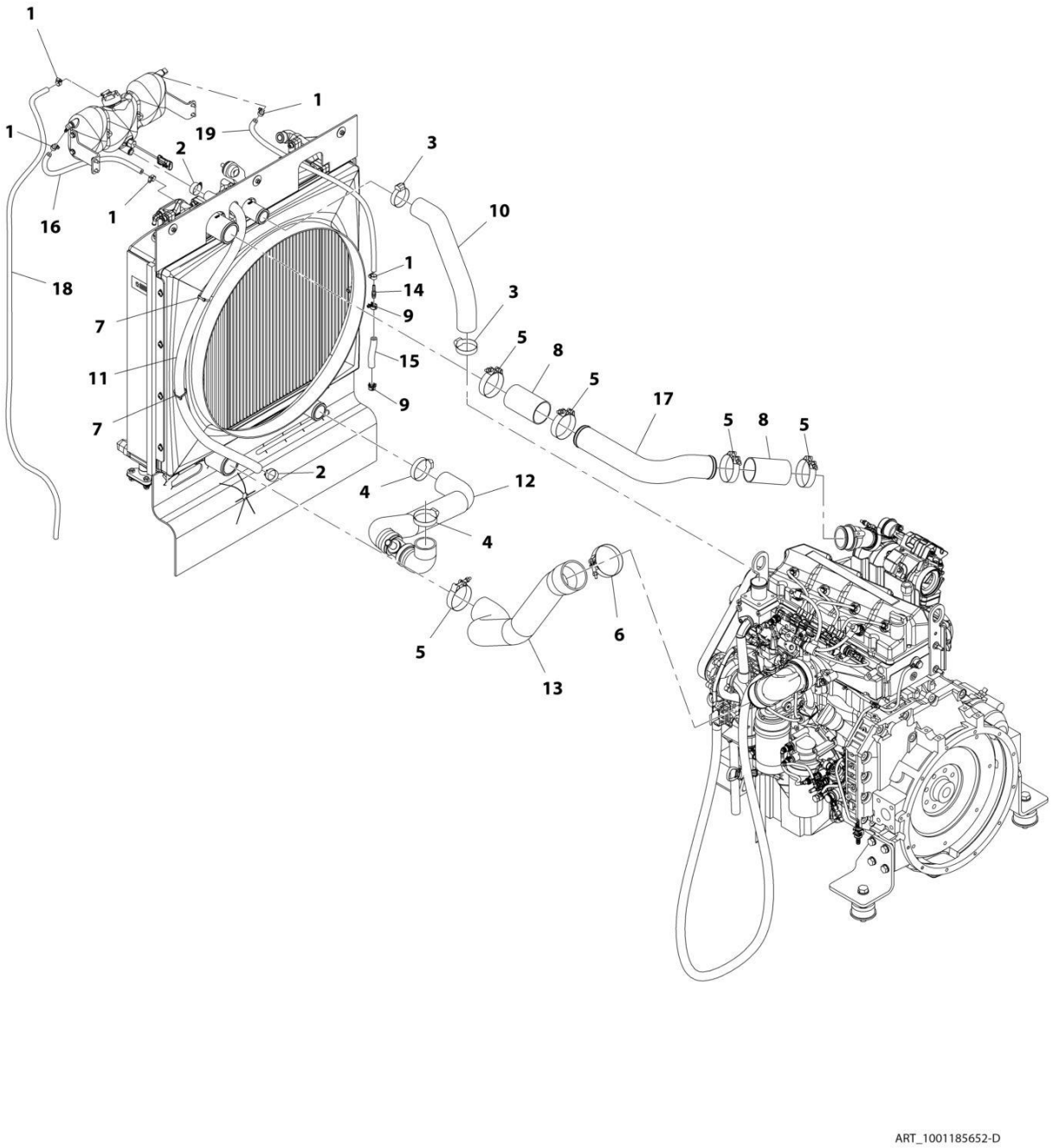


FIGURE 4-21. COOLING LINES INSTALLATION - 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185652	Ref	Plumbing Cooling Installation (if equipped for LS)	D
1	1320022	5	Clamp, Fuel Line	
2	8405007	2	Clamp, Gear 1-1/4	
3	8405104	2	Clamp, Gear 2-1/4	
4	8405201	2	Clamp, Gear 2-1/2	
5	8405212	5	Clamp, T-Bolt	
6	8405305	1	Clamp, T-Bolt	
7	1001004720	2	Strap, Cable	
8	1001114495	2	Hose, CAC Straight	
9	1001136975	2	Clamp, Fuel Hose	
10	1001169272	1	Hose, Upper Radiator	
11	1001169274	1	Hose, Draw Down	
12	1001201945	1	Hose, Lower Radiator	
13	1001189318	1	Hose, CAC Outlet	
14	1001189602	1	Fitting, Union Tee	
15	1001189712	1	Hose, Vent Line 3/8	
16	1001203969	1	Hose, Vent 1/4	
17	1001189715	1	Pipe, CAC Inlet	
18	1001204097	1	Hose, Vent 1/4	
19	1001204098	1	Hose, Vent 1/4	

FIGURE 4-22. COOLING INSTALLATION - 74HP (ULS)

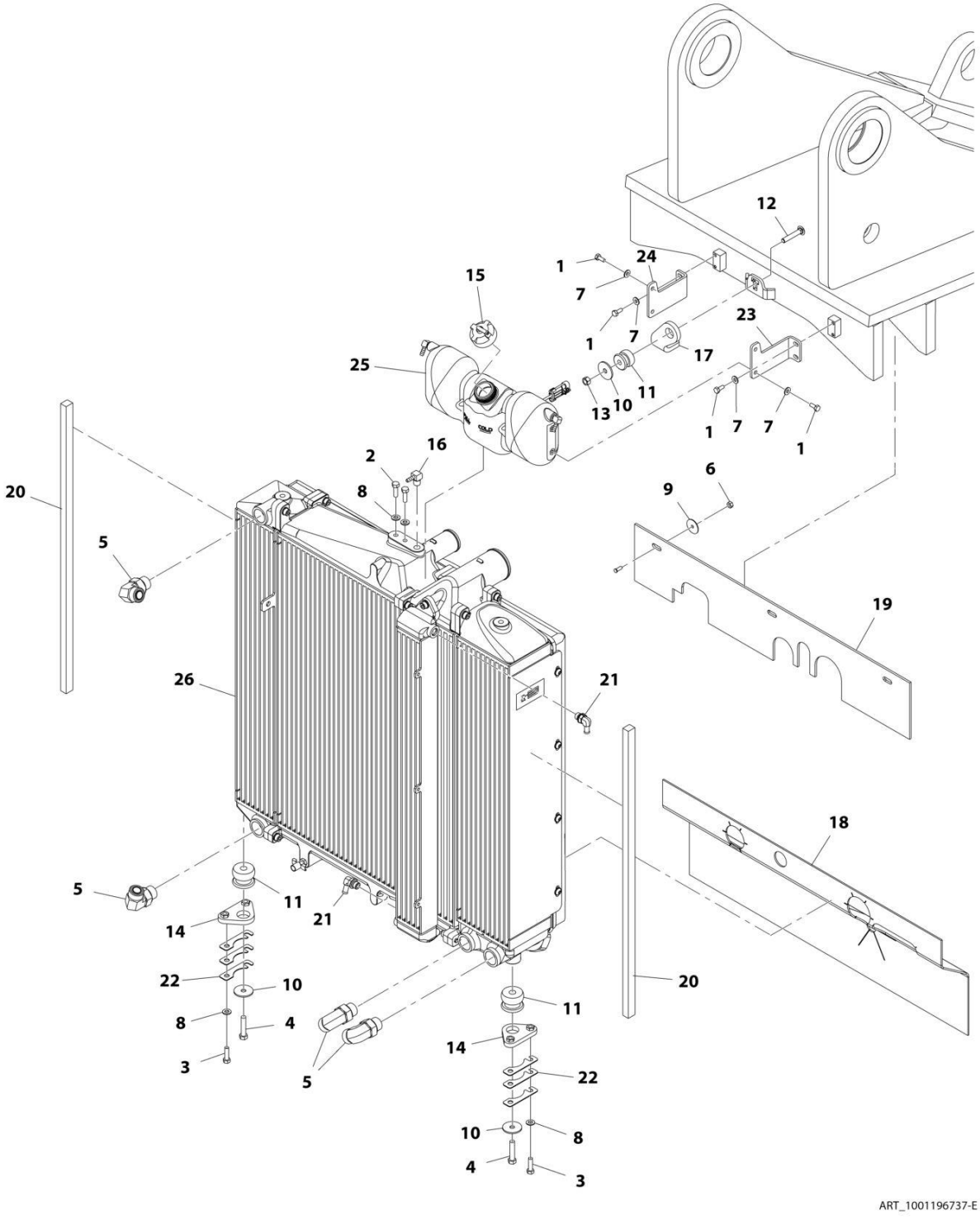


FIGURE 4-22. COOLING INSTALLATION - 74HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196737	Ref	Cooling Installation, 74HP	E
1	0641405	8	Bolt, 1/4-20X5/8	
2	0641508	2	Bolt, 5/16-18X1	
3	0641509	4	Bolt, 5/16-18X1-1/8	
4	0641614	2	Bolt, 3/8-16X1-3/4	
5	2131212	4	Adapter, 90	
6	3311401	3	Nut, 1/4-20	
7	4711400	8	Washer, 1/4	
8	4711500	6	Washer, 5/16	
9	4740362	3	Washer, Fender, 1/4	
10	7057141	3	Washer, Flat	
11	8278020	3	Mount, Rubber Isolator	
12	8310281	1	Bolt, Carriage 3/8-16X2-1/4	
13	8305008	1	Nut, 3/8-16	
14	1001120869	2	Bracket, Cooler Mount Lower	
15	1001128341	1	Cap, Deaeration Tank	
16	1001134488	1	Fitting, Barbed 90	
17	1001169059	1	Mount, Cooler Bracket	
18	1001170117	1	Panel, Air Dam	
19	1001170186	1	Panel, Air Dam Upper	
20	1001178582	2	Seal, Foam Gasket	
21	1001178776	2	Fitting, Hose Barb 90	
22	1001179845	6	Shim	
23	1001181584	1	Bracket, LH Tank	
24	1001181585	1	Bracket, RH Tank	
25	1001182255	1	Assembly, Deaeration Tank (See Separate Breakdown in this Section)	
26	1001197475	1	Assembly, Radiator (See Separate Breakdown in this Section)	

FIGURE 4-23. COOLING INSTALLATION - 110HP (ULS & LS)

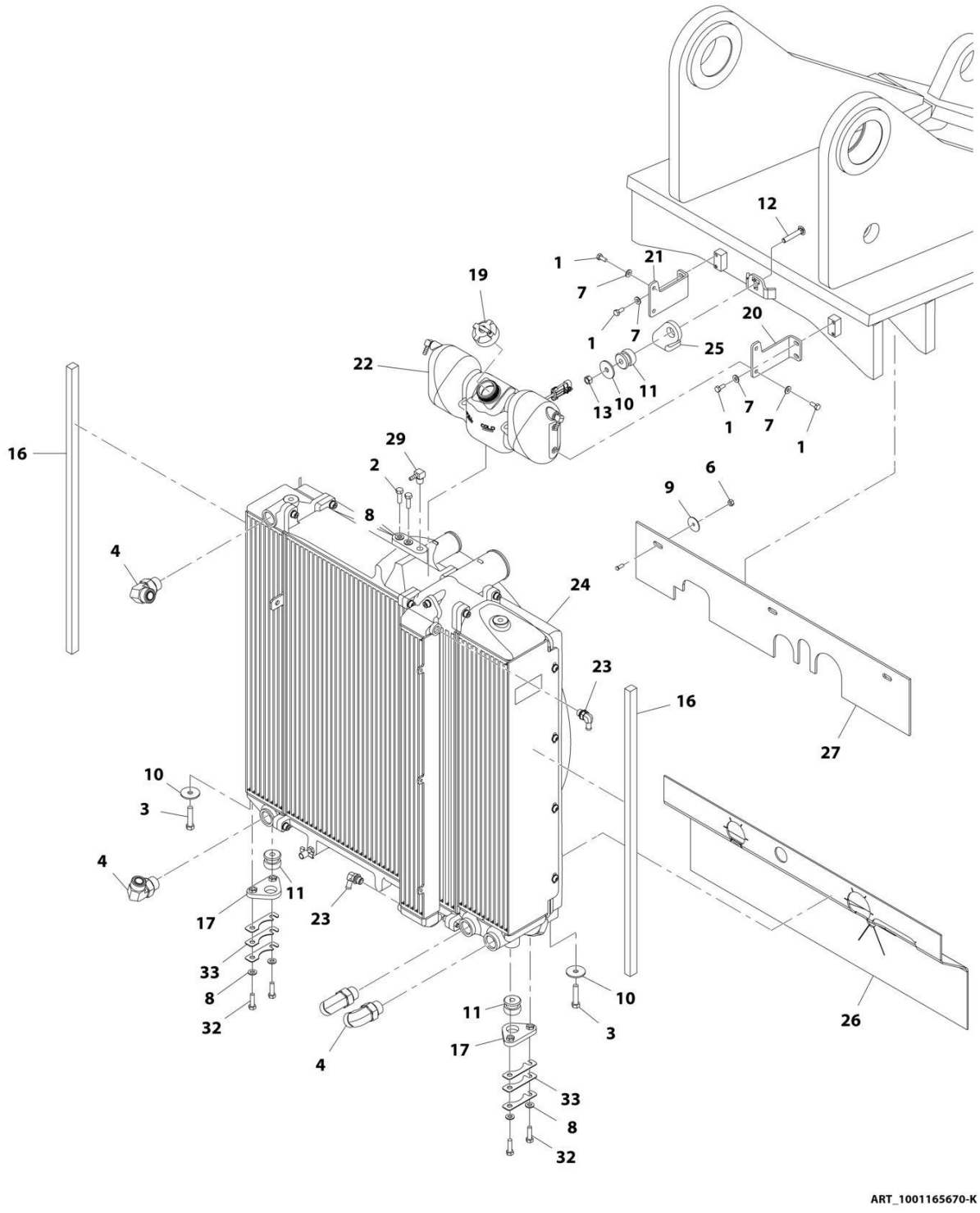
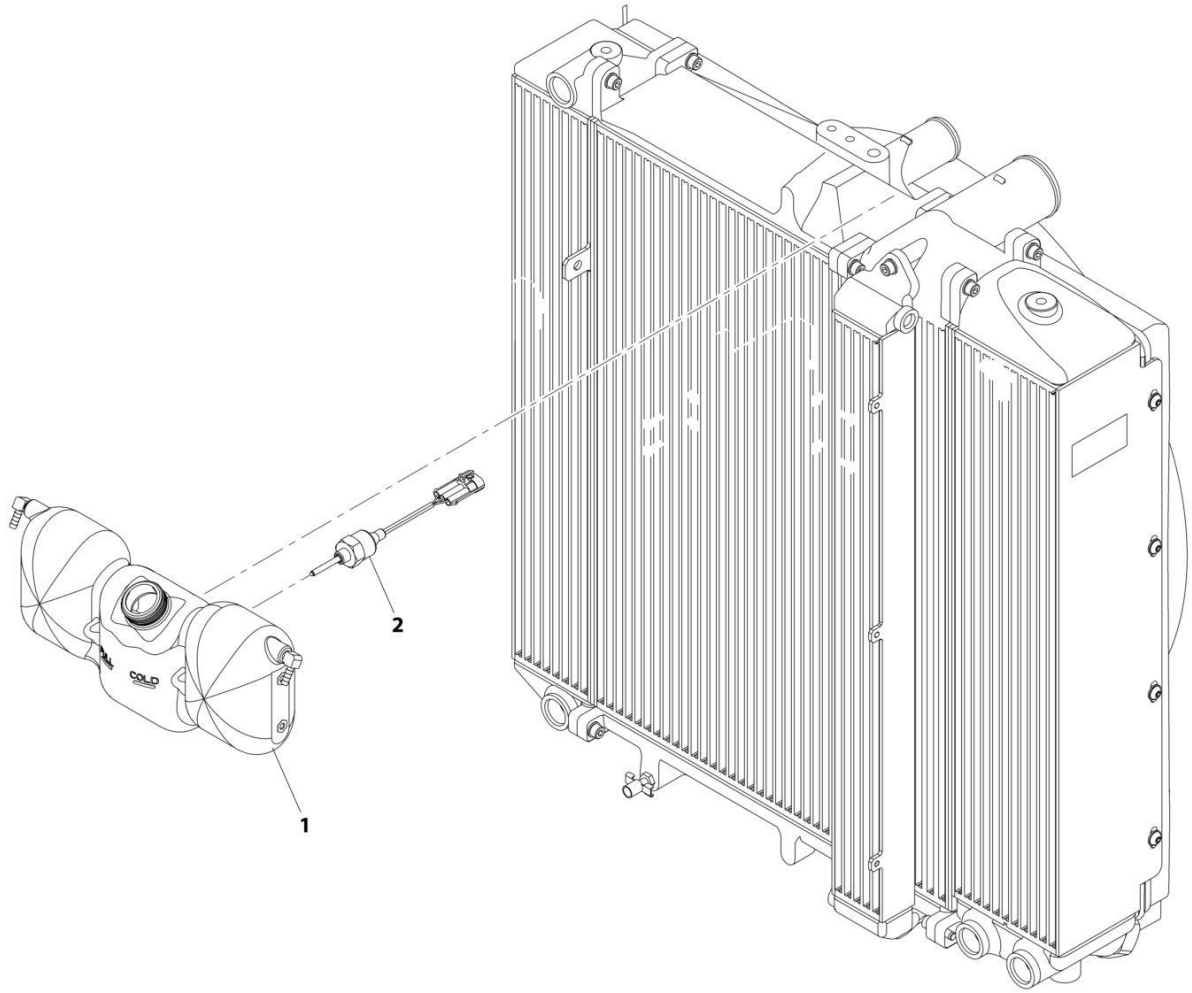


FIGURE 4-23. COOLING INSTALLATION - 110HP (ULS & LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165670	Ref	Cooling Installation, 85HP	K
1	0641405	8	Bolt, 1/4-20X5/8	
2	0641508	2	Bolt, 5/16-18X1	
3	0641614	2	Bolt, 3/8-16X1-3/4	
4	2131212	4	Adapter, 90	
6	3311401	3	Nut, 1/4-20	
7	4711400	8	Washer, 1/4	
8	4711500	6	Washer, 5/16	
9	4740362	3	Washer, Fender 1/4	
10	7057141	3	Washer, Flat	
11	8278020	3	Mount, Rubber Isolator	
12	8310281	1	Bolt, Carriage 3/8-16X2-1/4	
13	8305008	1	Nut, 3/8-16	
16	1001178582	2	Seal, Foam Gasket	
17	1001120869	2	Bracket, Cooler Mount Lower	
19	1001128341	1	Cap, Deaeration Tank	
20	1001181584	1	Bracket, LH Tank	
21	1001181585	1	Bracket, RH Tank	
22	1001182255	1	Assembly, Deaeration Tank (See Separate Breakdown in this Section)	
23	1001178776	2	Fitting, Hose Barb 90	
24	1001168478	1	Assembly, Radiator (See Separate Breakdown in this Section)	
25	1001169059	1	Mount, Cooler Bracket	
26	1001170117	1	Panel, Air Dam	
27	1001170186	1	Panel, Air Dam Upper	
29	1001134488	1	Fitting, Barbed 90	
32	0641509	4	Bolt, 5/16-18X1-1/8	
33	1001179845	6	Shim	

FIGURE 4-24. DE-AERATION TANK ASSEMBLY - 74HP & 110HP (ULS)



ART_1001182255-K

FIGURE 4-24. DE-AERATION TANK ASSEMBLY - 74HP & 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182255	Ref	Deaeration Tank Assembly	K
1	1001153912	1	Tank, Deaeration	
2	1001245478	1	Sensor, Coolant Level	

FIGURE 4-25. RADIATOR ASSEMBLY - 74HP (ULS)

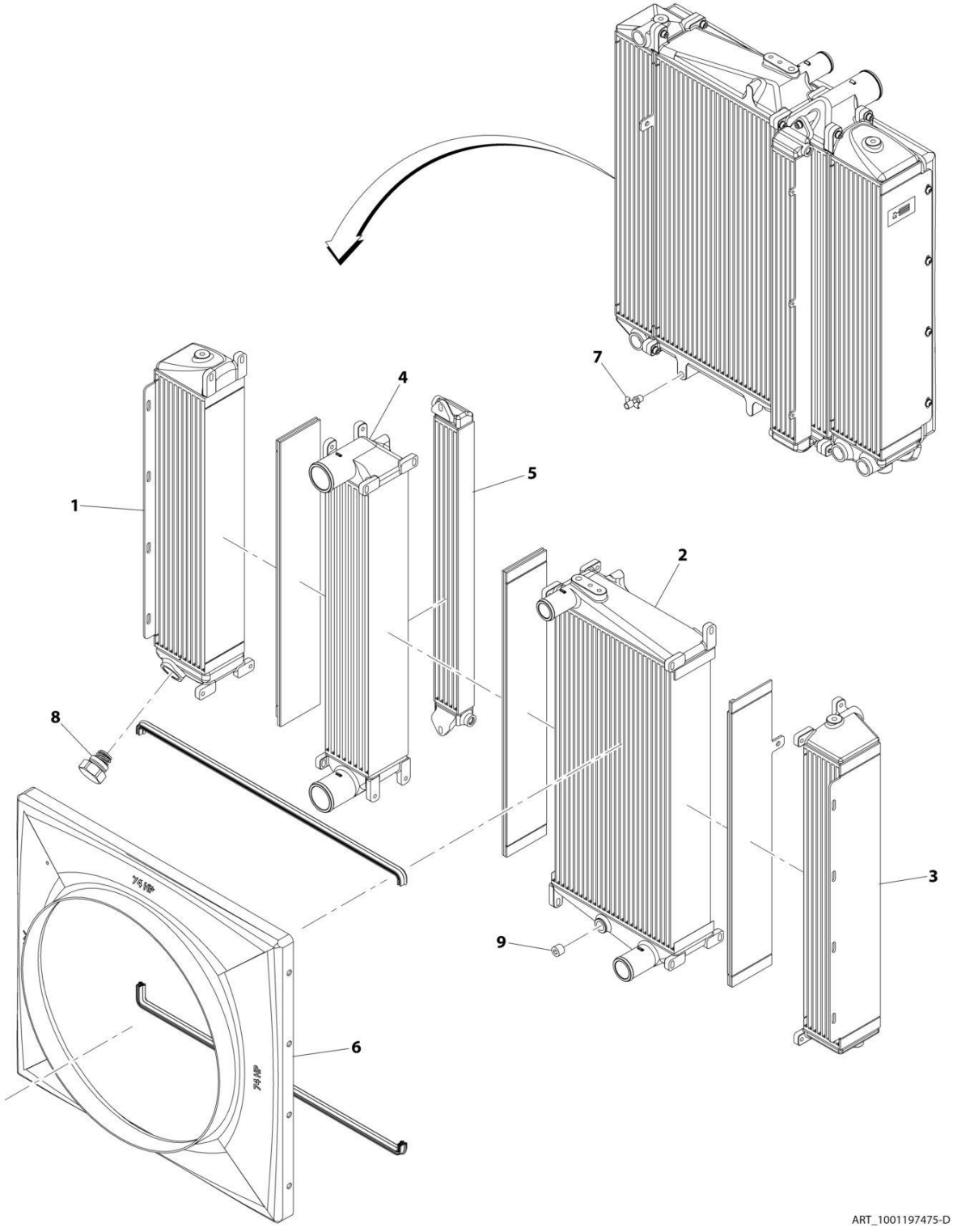


FIGURE 4-25. RADIATOR ASSEMBLY - 74HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197475	Ref	Radiator Assembly (74HP)	D
1	70026075	1	Transmission Oil Cooler	
2	70026076	1	Radiator	
3	70026077	1	Hydraulic Oil Cooler	
4	70026078	1	Charge Air Cooler	
5	70026079	1	Fuel Cooler	
6	70027094	1	Fan Shroud	
7	70026081	1	Petcock	
8	70026082	1	Valve, Bypass	
9	70026083	1	Plug, Hex	

FIGURE 4-26. RADIATOR ASSEMBLY - 110HP (ULS & LS)

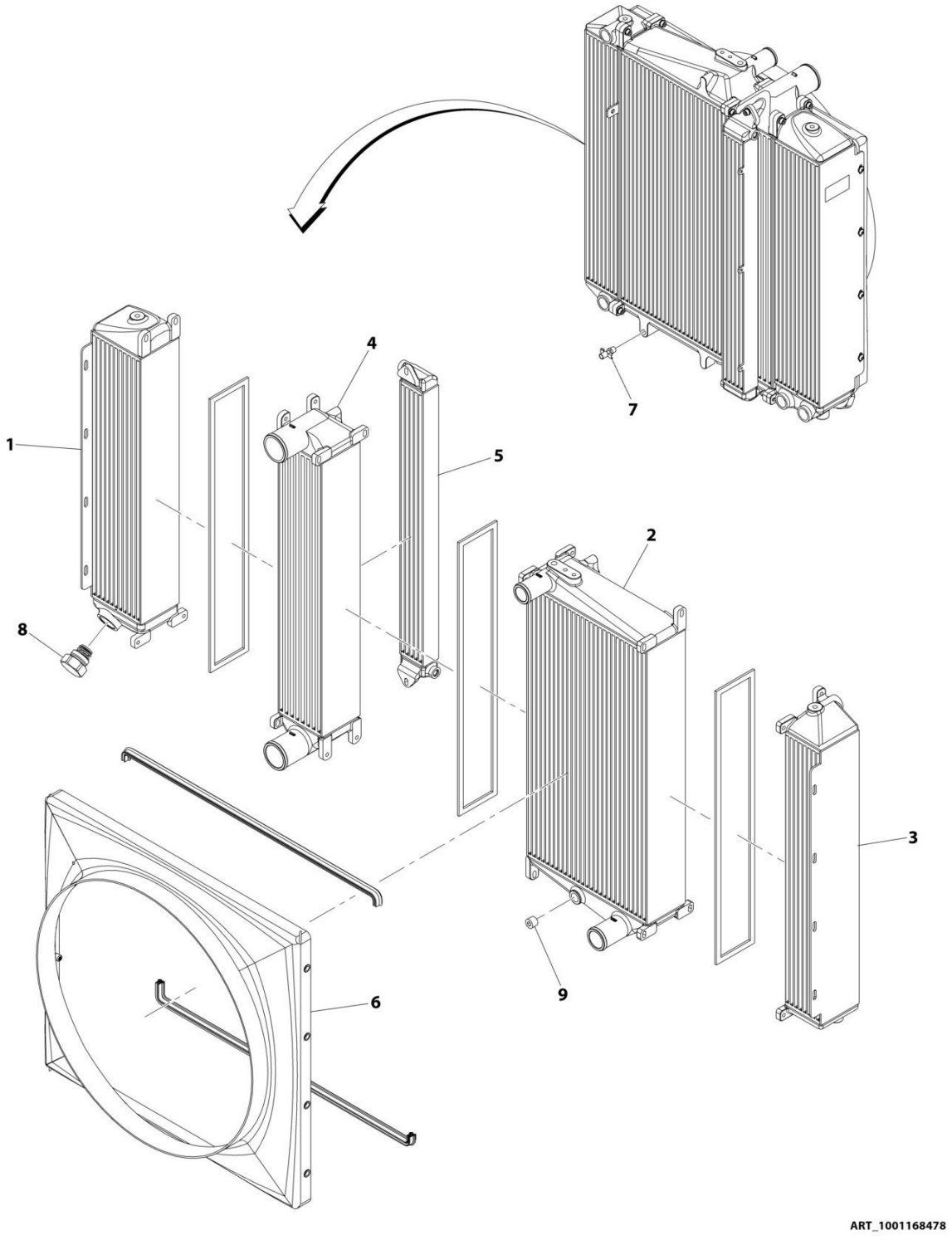


FIGURE 4-26. RADIATOR ASSEMBLY - 110HP (ULS & LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168478	Ref	Radiator Assembly	F
1	70026075	1	Transmission Oil Cooler	
2	70026076	1	Radiator	
3	70026077	1	Hydraulic Oil Cooler	
4	70026078	1	Charge Air Cooler	
5	70026079	1	Fuel Cooler	
6	70026080	1	Shroud, Fan	
7	70026081	1	Petcock	
8	70026082	1	Valve, Bypass	
9	70026083	1	Plug, Hex	

FIGURE 4-27. FAN INSTALLATION - 74HP (ULS)

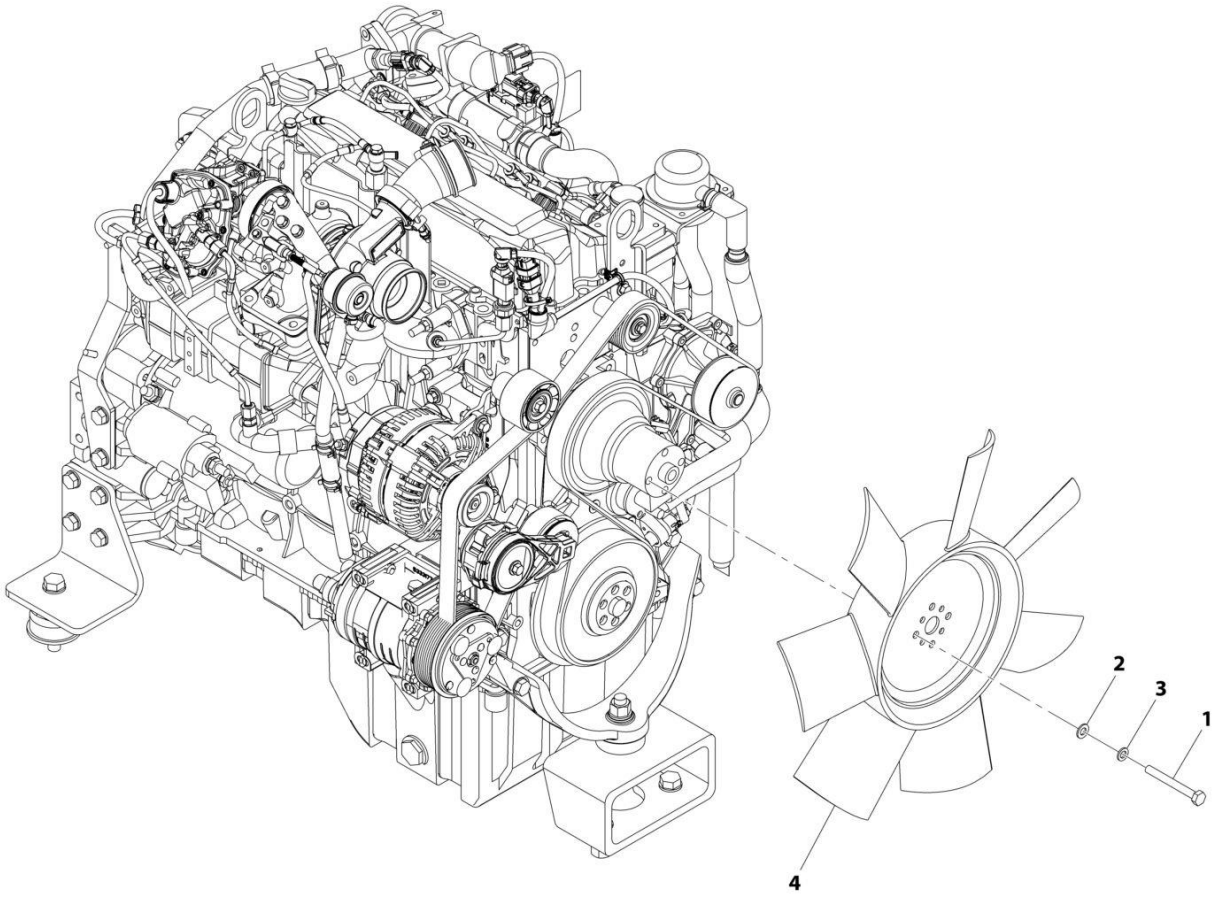
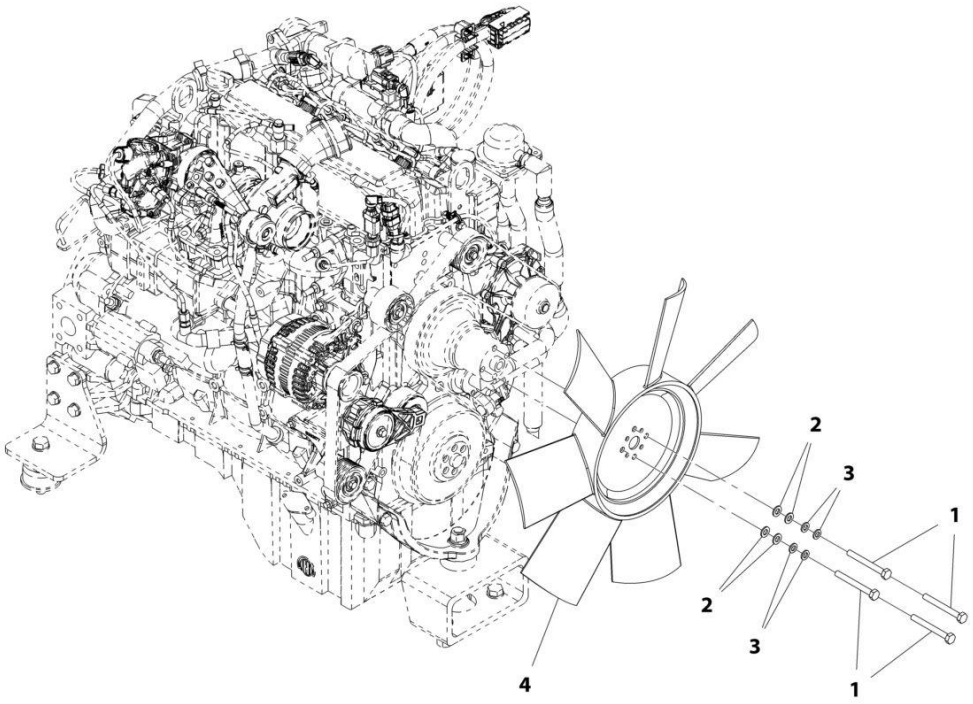


FIGURE 4-27. FAN INSTALLATION - 74HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196736	Ref	Fan Installation, 74HP	C
1	0701026	4	Bolt, M10X90	
2	4812000	4	Washer, M10	
3	4832000	4	Washer, Lock M10	
4	1001210351	1	Fan	

FIGURE 4-28. FAN INSTALLATION - 110HP (ULS & LS)



ART_1001165668-B

FIGURE 4-28. FAN INSTALLATION - 110HP (ULS & LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165668	Ref	Fan Installation, 85HP	B
1	0701026	4	Bolt, M10X90	
2	4812000	4	Washer, M10	
3	4832000	4	Washer, Lock M10	
4	1001174822	1	Fan	

FIGURE 4-29. ISOLATION COUPLER INSTALLATION - 74HP & 110HP (ULS & LS)

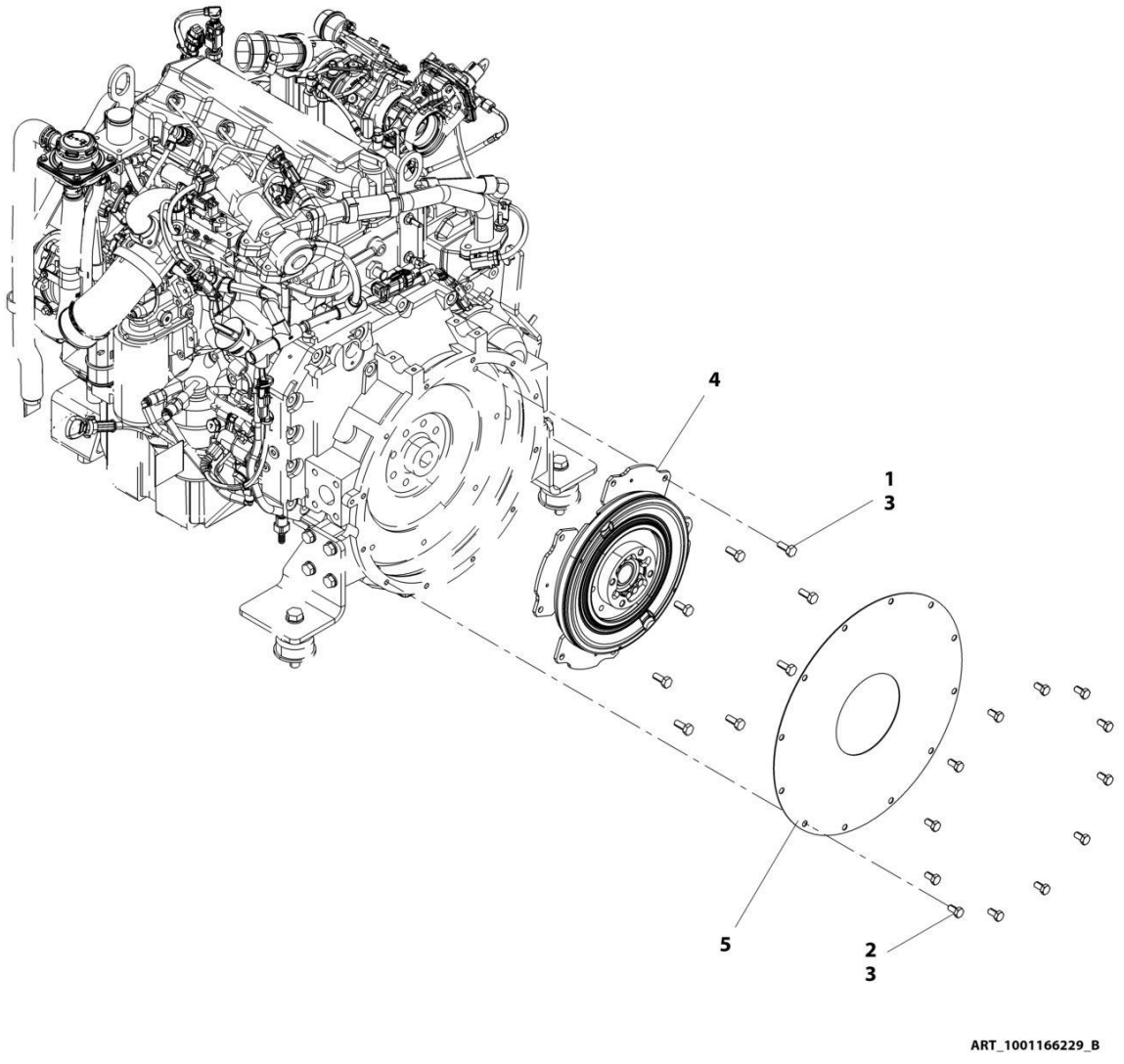


FIGURE 4-29. ISOLATION COUPLER INSTALLATION - 74HP & 110HP (ULS & LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166229	Ref	Isolation Coupler Installation	B
1	0761012	8	Bolt, M10X25	
2	8303784	12	Bolt, M10X20	
3	8526007	AR	Compound, Locking	
4	1001180244	1	Coupling, Torsion Damper	
5	1001185071	1	Panel, Isolation Coupler	

FIGURE 4-30. AIR INTAKE SHUT OFF VALVE INSTALLATION

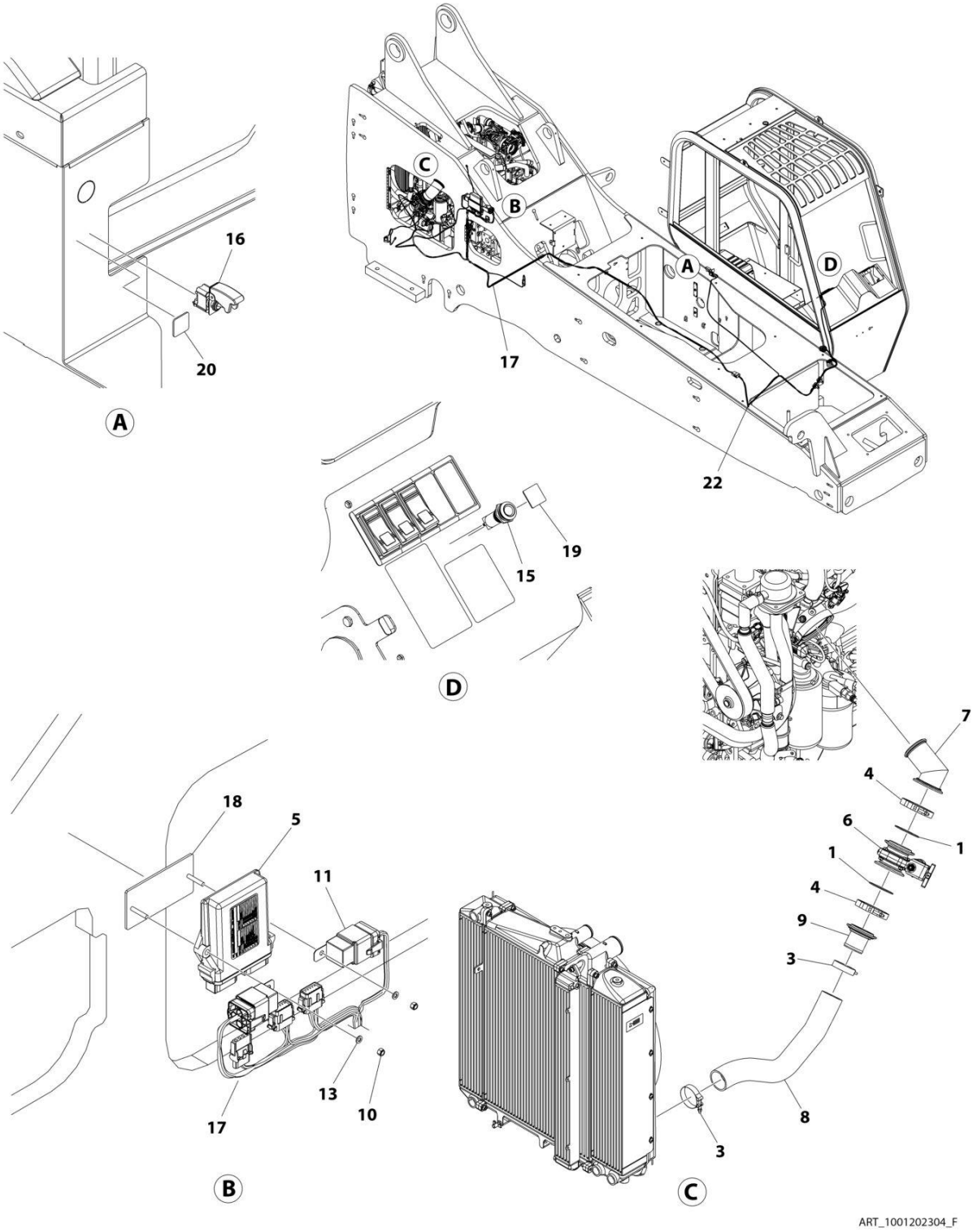


FIGURE 4-30. AIR INTAKE SHUT OFF VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202304	Ref	Air Intake Shut Off Valve Installation	F
1	3790152	2	Ring	
3	8405212	2	Clamp	
4	1001202247	2	Clamp	
5	1001203181	1	Accessory, Control	
6	1001204032	1	Valve, Air Shut Off (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
7	1001206956	1	Pipe	
8	1001206983	1	Hose	
9	1001206985	1	Adapter	
10	3290505	2	Nut M5 Grade 8	
11	3740080	2	Relay	
13	4811600	2	Washer, M5	
14	91053419	AR	Strap, Cable (not shown)	
15	1001239539	1	Lamp	
16	1001215941	1	Switch	
17	1001216455	1	Harness, POSI Air Shut Off Valve T4F (See Separate Breakdown in ELECTRICAL Section)	
18	1001219082	1	Bracket	
19	1001227077	1	Decal, Air Shut Off	
20	1001227964	1	Decal, ASOV Test	
22	1001231560	1	Harness, POSI Air Shut Off Valve Cab (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 4-31. BREATHER HEATER INSTALLATION - 74HP

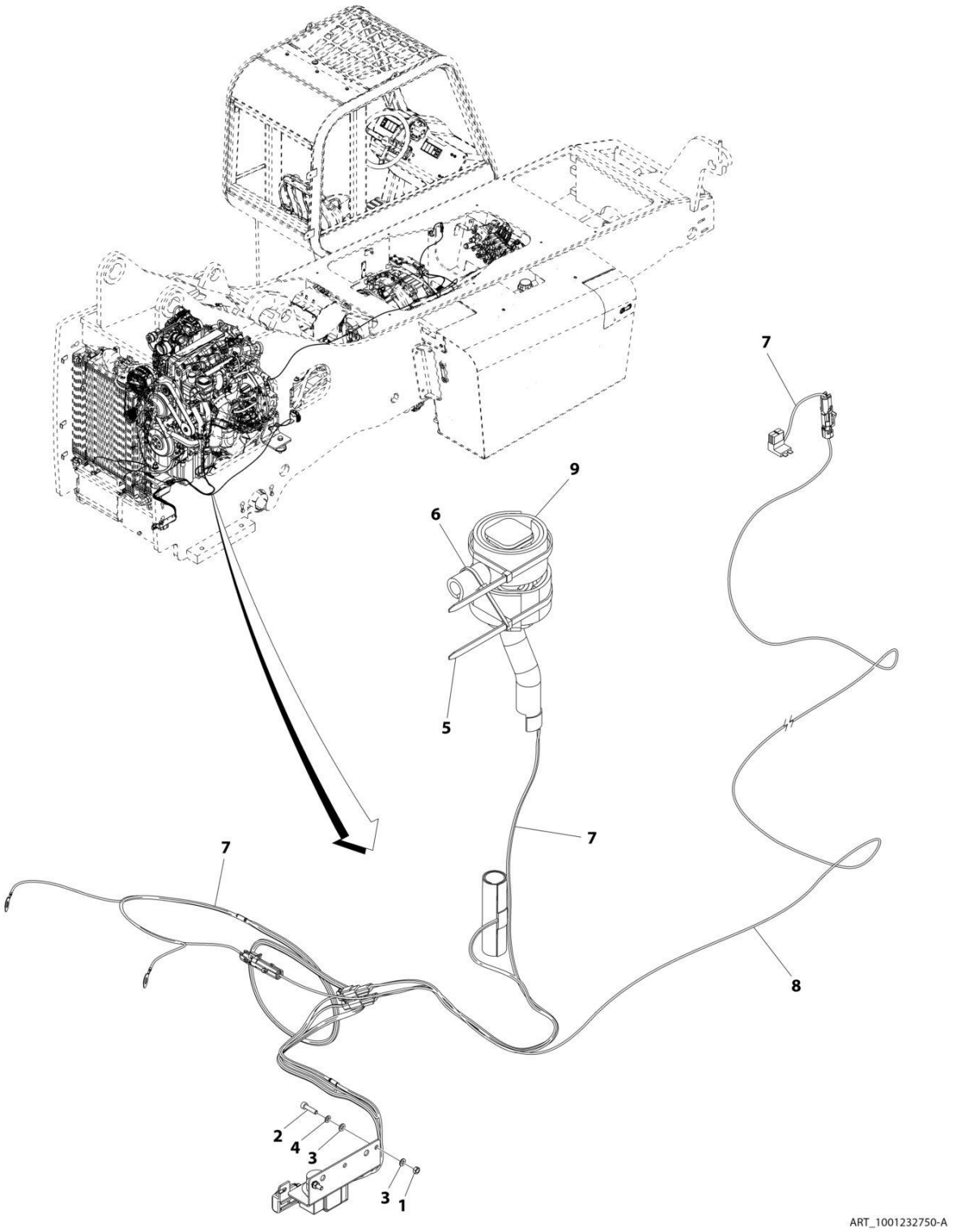


FIGURE 4-31. BREATHER HEATER INSTALLATION - 74HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232750	Ref	Heater Breather - 74 HP	A
1	3290501	2	Nut, M5X0.8	
2	4031608	2	Screw, M5X20	
3	4811600	4	Washer, M5	
4	4831600	2	Washer, Lock M5	
5	01043892	2	Strap, Tie	
6	86683122	1	Strap, Tie	
7	1001232439	1	Engine, Cummins Breather Kit	
8	1001232599	1	Harness, Cummins Breather Heater	
9	1001232624	1	Insulate, Cummins Insulation	

FIGURE 4-32. A/C COMPONENTS INSTALLATION - 74HP

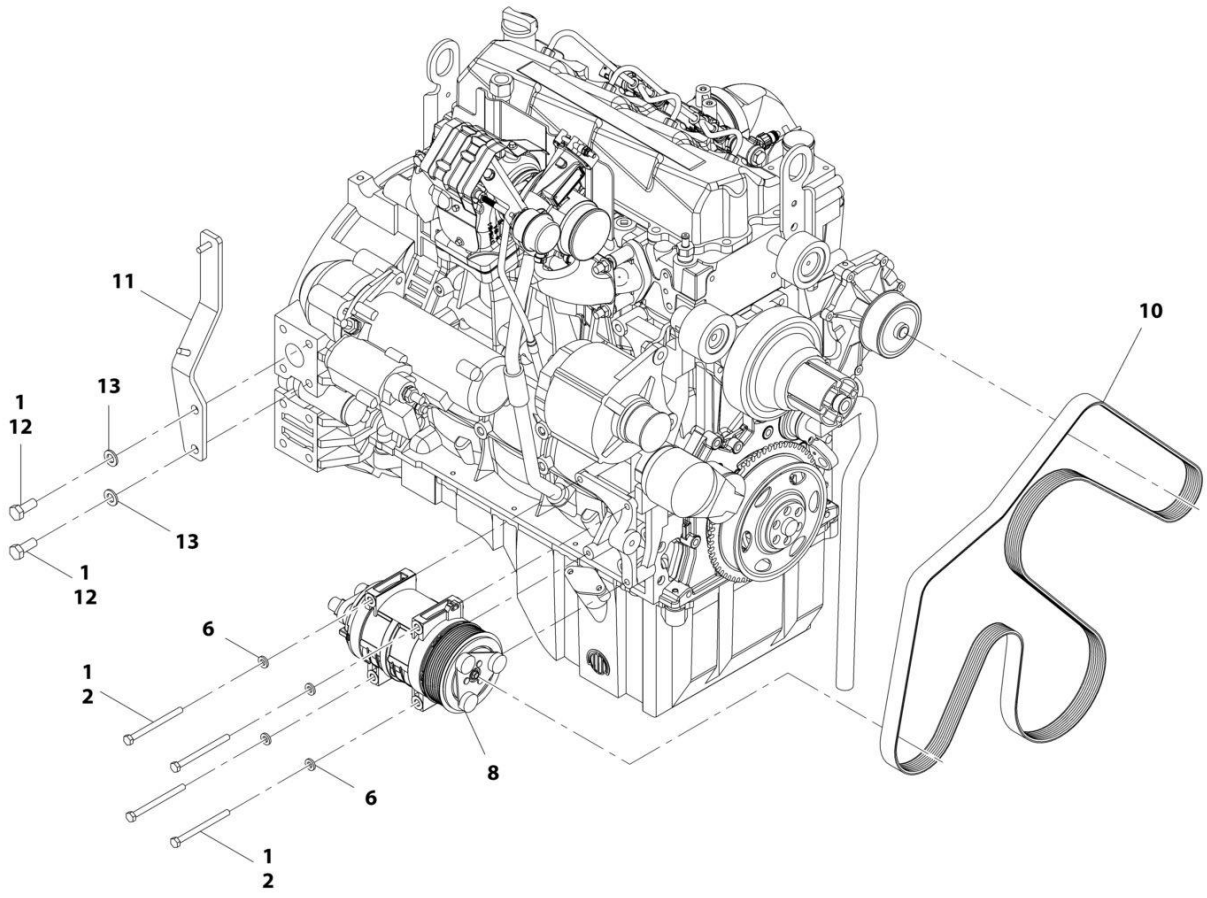


FIGURE 4-32. A/C COMPONENTS INSTALLATION - 74HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190295	Ref	A/C Components Installation (if equipped for LS)	B
1	0100011	AR	Compound, Locking	
2	0700827	4	Bolt, M8X100	
6	5240800	4	Washer, M8	
8	1001157663	1	Compressor, A/C	
10	1001167357	1	Belt	
11	1001197233	1	Bracket, AC Hose Support	
12	0711214	2	Bolt, M12X30	
13	4812100	2	Washer, M12	

FIGURE 4-33. A/C COMPONENTS INSTALLATION - 110HP

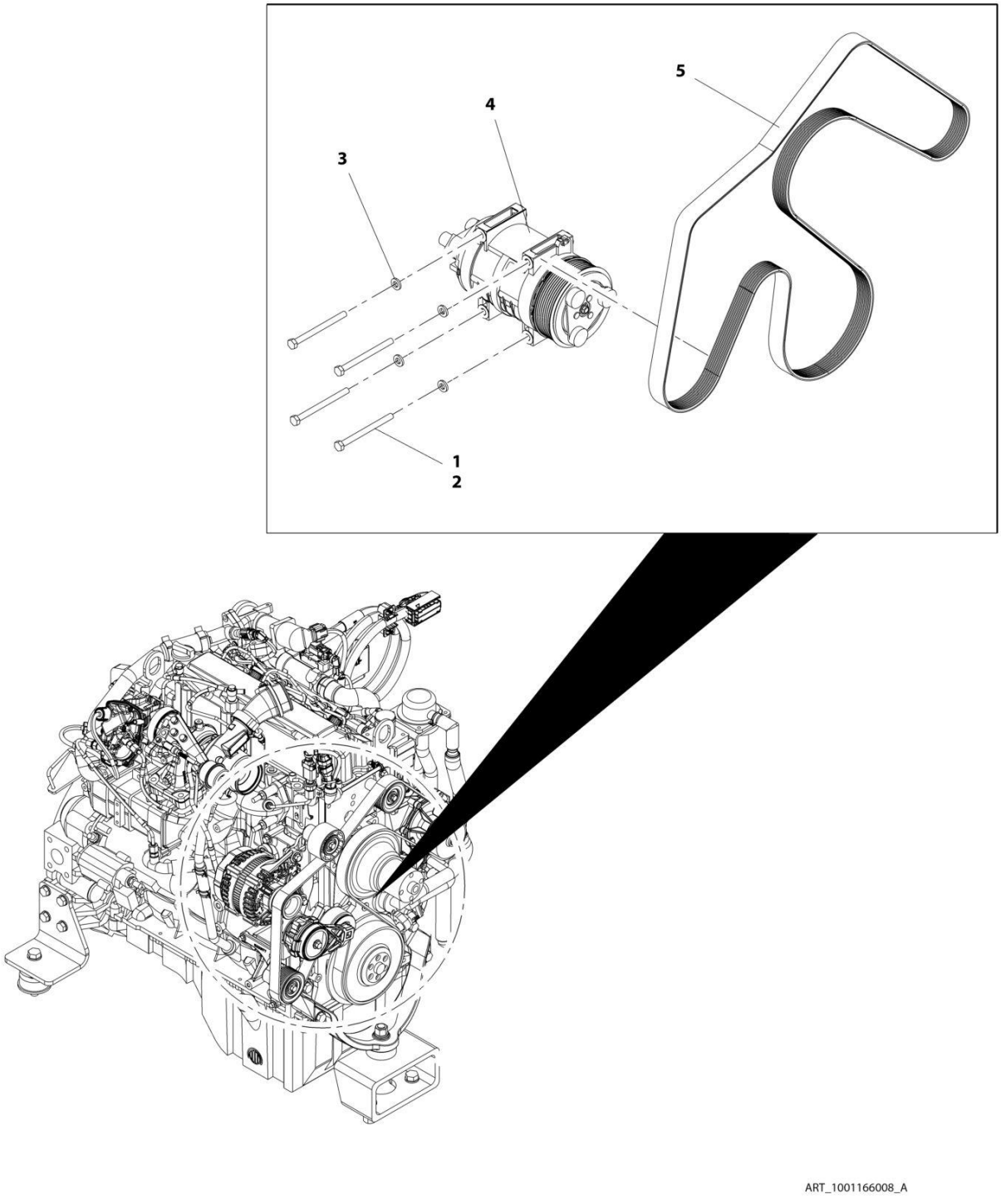


FIGURE 4-33. A/C COMPONENTS INSTALLATION - 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166008	Ref	A/C Components Installation	A
1	0100011	AR	Compound, Locking	
2	0700827	4	Bolt, M8X100	
3	5240800	4	Washer, M8	
4	1001157663	1	Compressor, A/C	
5	1001167357	1	Belt	

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. TRANSMISSION INSTALLATION

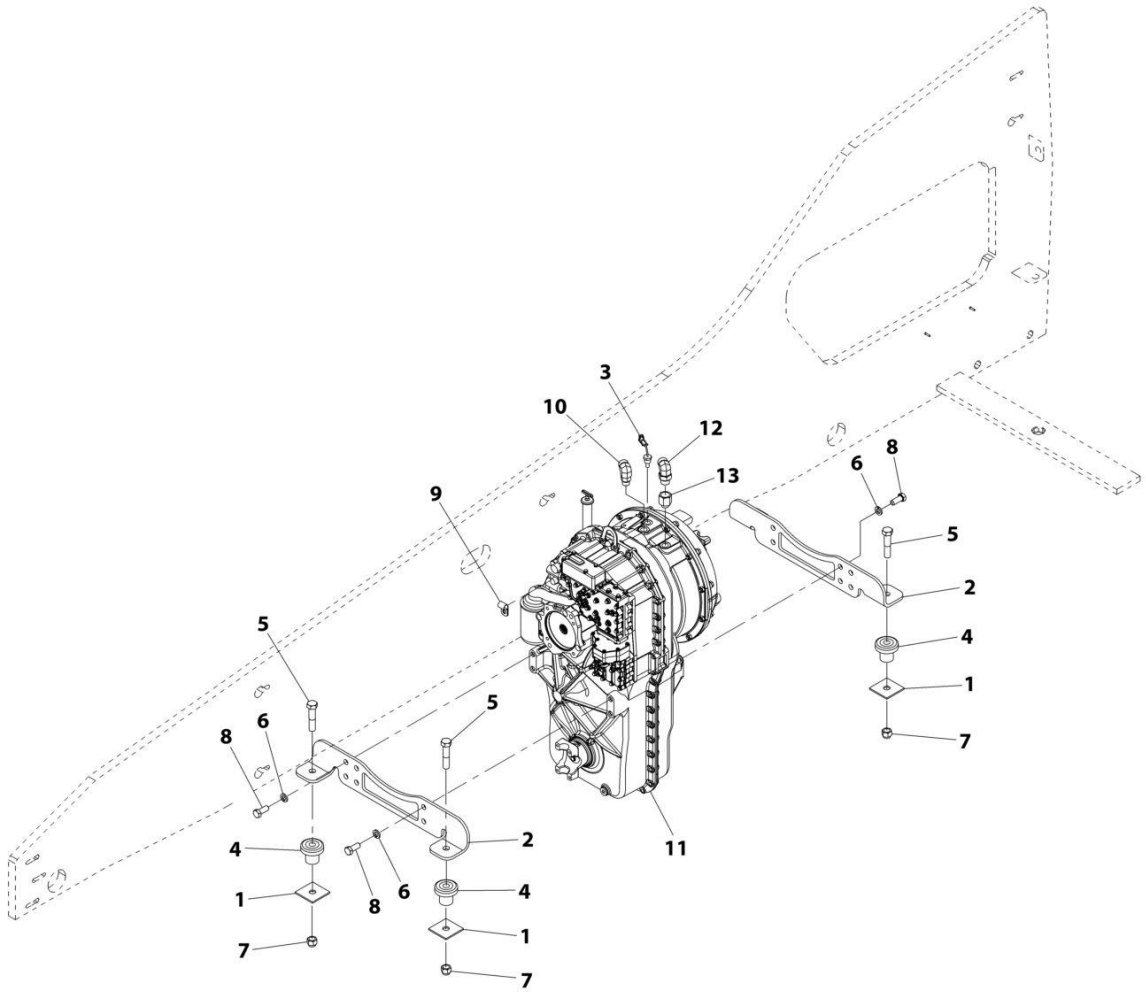
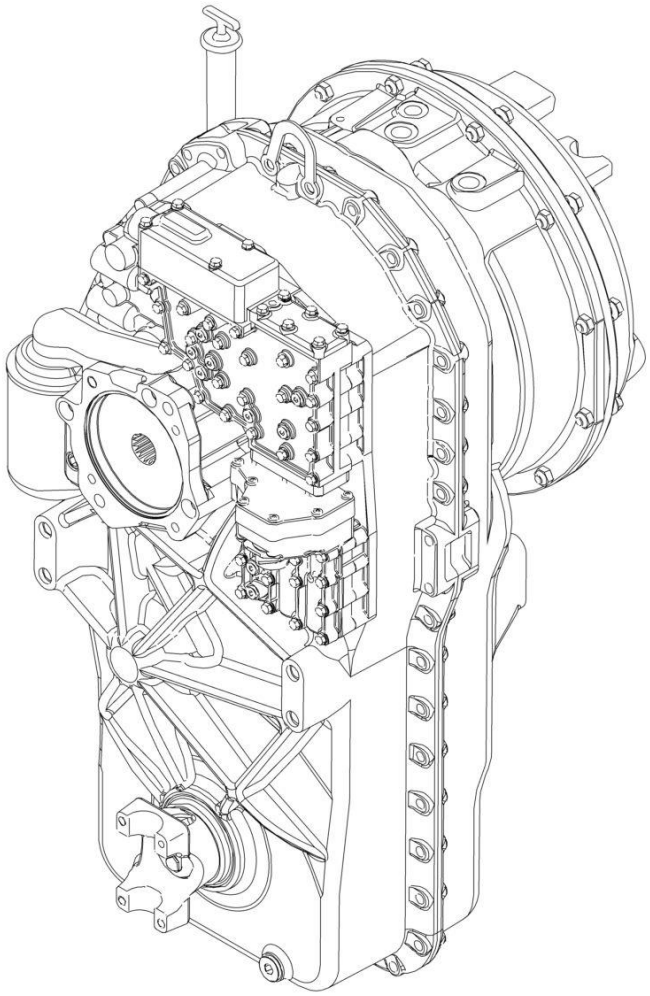


FIGURE 5-1. TRANSMISSION INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108524	Ref	Transmission Installation	B
1	7054351	4	Washer, Rebound	
2	7138634	2	Bracket, Transmission Mount	
3	8223232	1	Switch, Transmission Temperature	
4	91403097	4	Mount, Rubber	
5	8303724	4	Bolt, 3/4-10X3-1/2	
6	8307049	8	Washer, Lock M16	
7	8310067	4	Nut, Lock 3/4-10	
8	8310215	8	Bolt, M16X40	
9	8406105	1	Clip, Tube	
10	2131210	1	Adapter, 90	
11	8841036	1	Transmission, 4-Speed (See Separate Breakdown in this Section)	
12	2131212	1	Adapter, 90	
13	8760548	1	Adapter, Straight	

FIGURE 5-2. TRANSMISSION ASSEMBLY



ART_8841036_1-C

FIGURE 5-2. TRANSMISSION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION ASSEMBLY	C
		Ref	Transmission, Engine Connection and Converter (See Separate Breakdown in this Section)	
		Ref	Transmission, Input Shafts (See Separate Breakdown in this Section)	
		Ref	Transmission, Gearbox Housing (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 3 (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 4 (See Separate Breakdown in this Section)	
		Ref	Transmission, Reversing Gear Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission, Reversing Gear Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission, Output (See Separate Breakdown in this Section)	
		Ref	Transmission, Control Unit (See Separate Breakdown in this Section)	
		Ref	Transmission, Valve Housing Assembly (See Separate Breakdown in this Section)	
		Ref	Transmission, Valve Block Assembly (See Separate Breakdown in this Section)	
		Ref	Transmission, Oil Pump and Filter (See Separate Breakdown in this Section)	

FIGURE 5-3. TRANSMISSION, ENGINE CONNECTION AND CONVERTER

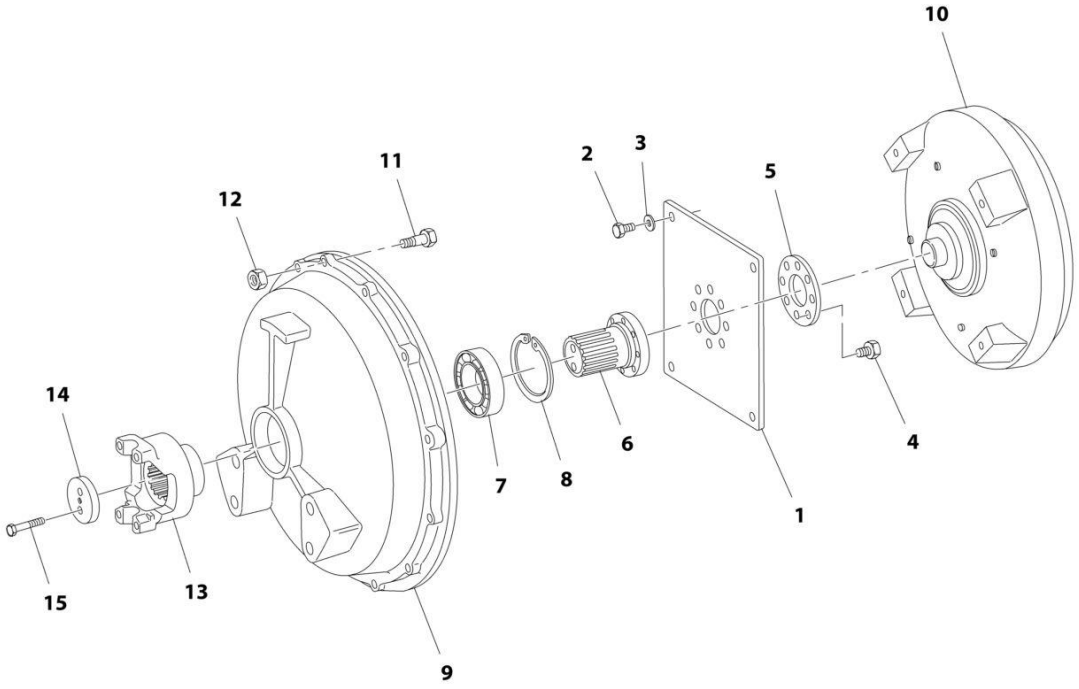


FIGURE 5-3. TRANSMISSION, ENGINE CONNECTION AND CONVERTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - ENGINE CONNECTION AND CONVERTER	
1	1319203	1	Diaphragm	
2	1319204	4	Bolt, M10X18	
3	10732095	4	Washer	
4	10731702	8	Bolt, M10X16	
5	1319213	1	Washer	
6	70023482	1	Shaft, Input	
7	1319209	1	Bearing, Ball	
8	1319210	1	Ring, Retaining	
9	8036021	1	Cover	
10	8036022	1	Converter	
11	10731748	12	Bolt, M10X45	
12	10731751	12	Nut, M10	
13	1319211	1	Yoke, End	
14	1319205	1	Washer	
15	70023483	2	Bolt	

FIGURE 5-4. TRANSMISSION, INPUT SHAFTS

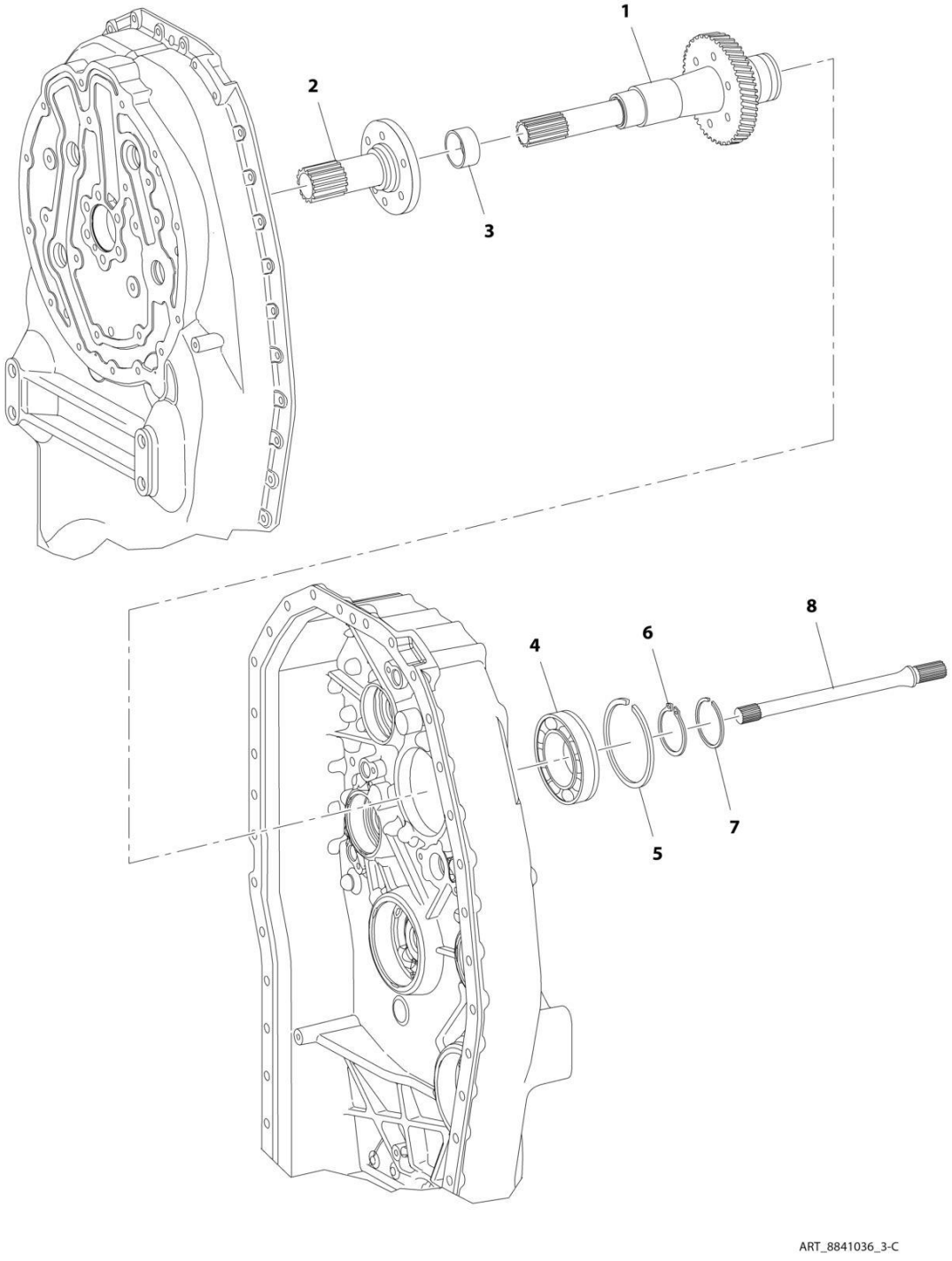


FIGURE 5-4. TRANSMISSION, INPUT SHAFTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - INPUT SHAFTS	
1	8036023	1	Shaft, Turbine	
2	1319557	1	Shaft, Stator	
3	1319558	1	Bushing, Bearing	
4	1319563	1	Bearing, Ball	
5	10731913	1	Ring, Snap	
6	80304405	1	Ring, Retaining	
7	1319565	1	Ring, Piston	
8	1319566	1	Shaft, Central	

FIGURE 5-5. TRANSMISSION, GEARBOX HOUSING

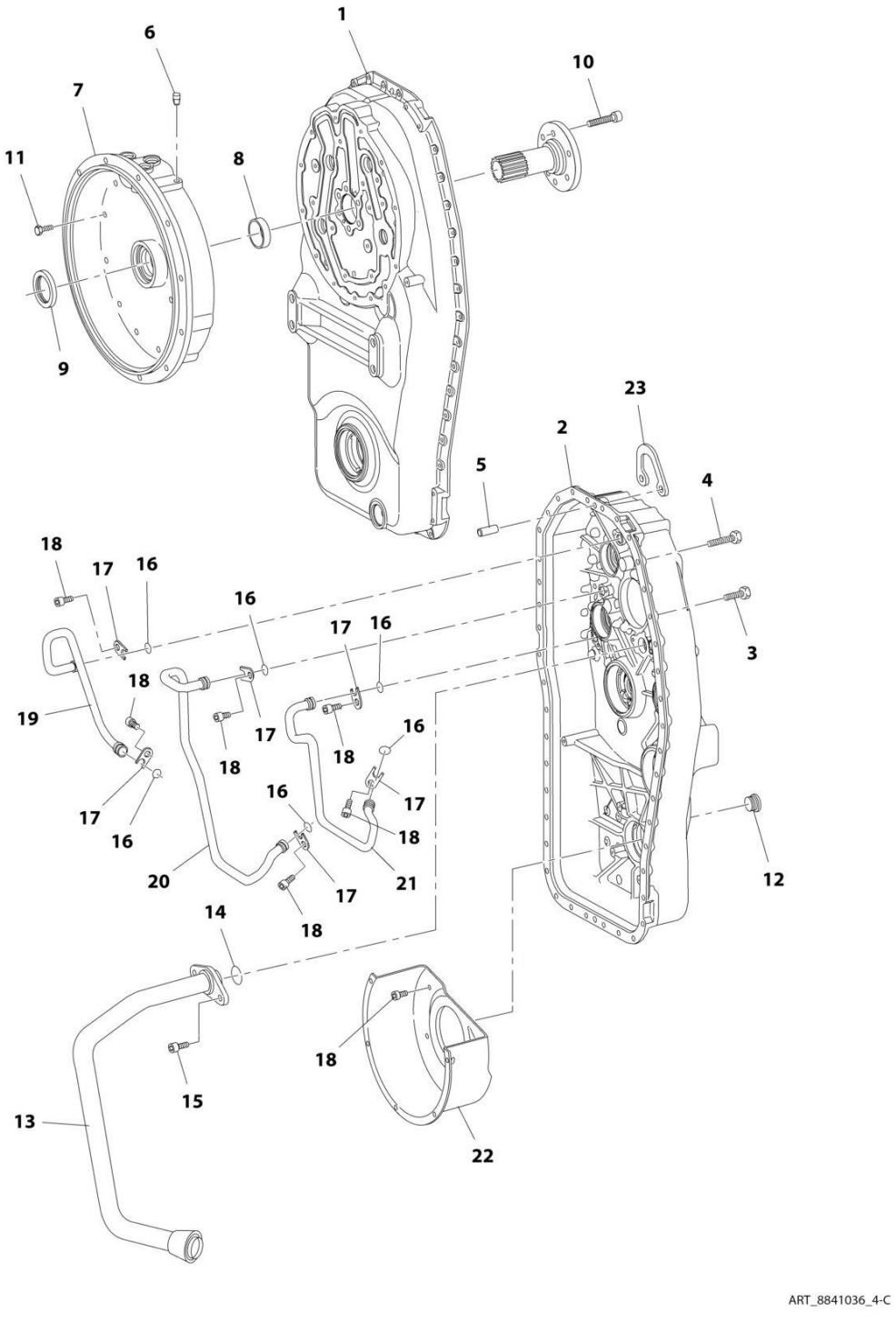


FIGURE 5-5. TRANSMISSION, GEARBOX HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - GEARBOX HOUSING	
1	8036024	1	Housing I	
2	8036025	1	Housing II	
3	1319569	36	Bolt, M10X30	
4	1319570	6	Bolt, M10X50	
5	1319571	2	Pin, Cylindrical M6X24	
6	10731744	1	Breather	
7	1319574	1	Bell, Converter	
8	1319575	1	Bushing, Bearing	
9	1319576	1	Seal, Shaft	
10	1319577	6	Screw, M10X50	
11	1319569	23	Bolt, M10X30	
12	70023404	1	Plug, Screw	
13	8036026	1	Pipe, Oil Suction	
14	70023885	1	O-Ring	
15	1319582	2	Screw, M8X20	
16	1319583	6	O-Ring	
17	1319584	6	Plate, Fixing	
18	1319585	11	Screw, M8X16	
19	1319586	1	Pipe	
20	1319587	1	Pipe	
21	8036027	1	Pipe	
22	8036028	1	Sheet, Screen	
23	1319590	1	Bracket	

FIGURE 5-6. TRANSMISSION, COUPLING GROUP 1

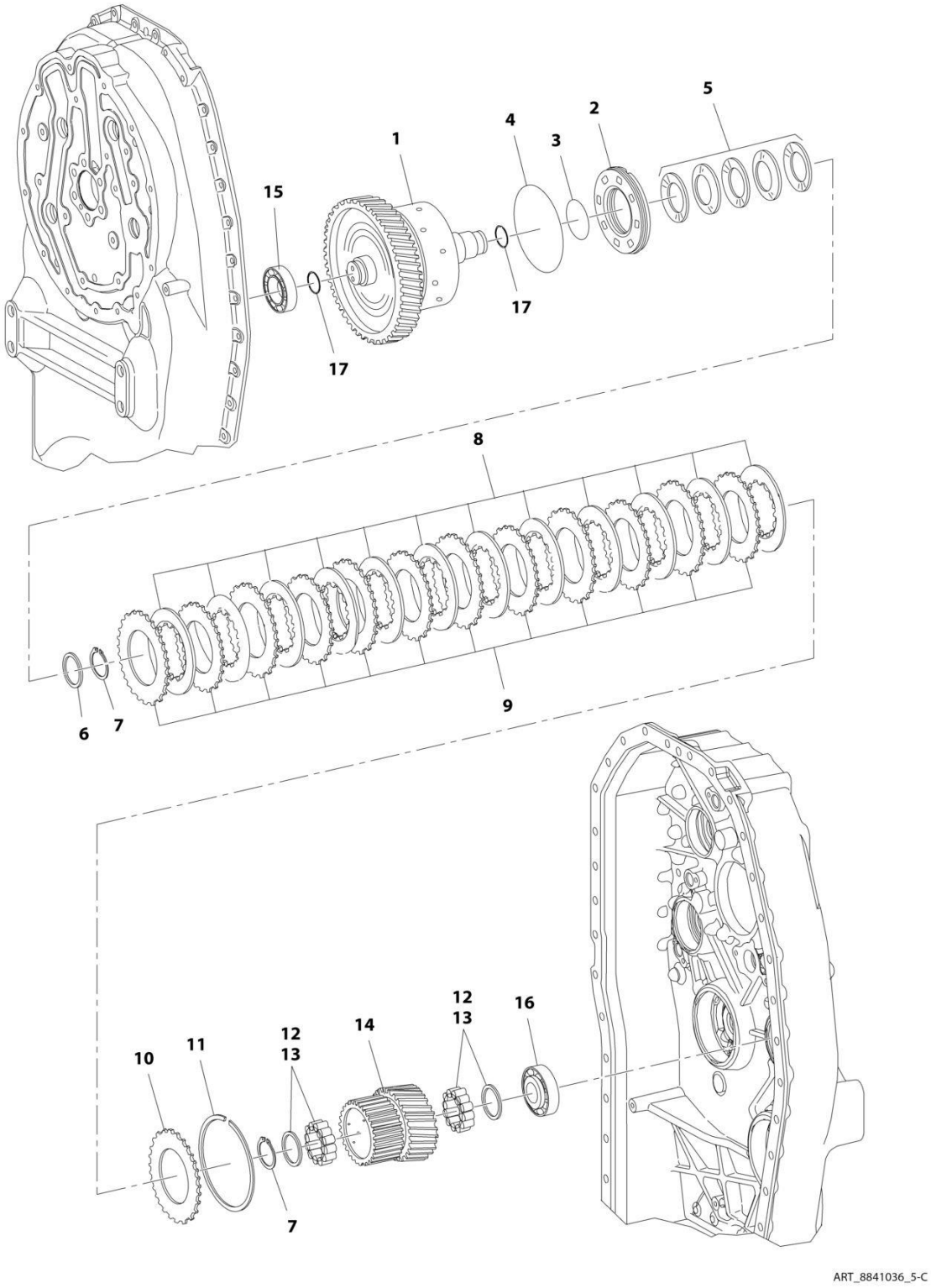


FIGURE 5-6. TRANSMISSION, COUPLING GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - COUPLING GROUP 1	
1	1319591	1	Coupling	
2	1319592	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	5	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	12	Disc, Inner Clutch	
9	7026759	12	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319605	2	Cage, Roller	
13	1319606	2	Cage, Roller	
14	1319607	1	Carrier, Disc	
15	1319608	1	Bearing, Roller	
16	1319609	1	Bearing, Roller	
16	1319610	1	Bearing, Roller	
16	1319611	1	Bearing, Roller	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-7. TRANSMISSION, COUPLING GROUP 2

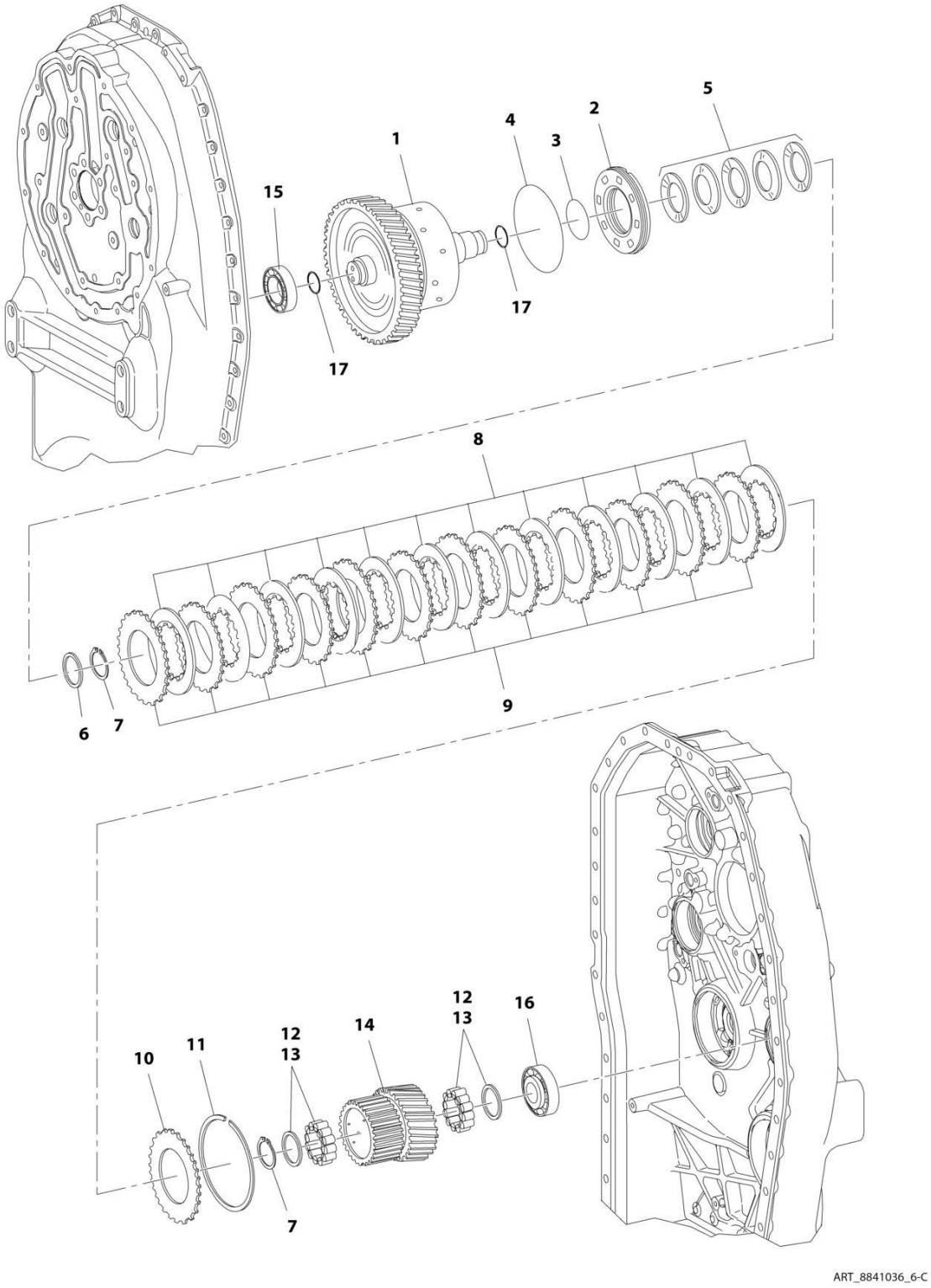


FIGURE 5-7. TRANSMISSION, COUPLING GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - COUPLING GROUP 2	
1	1319613	1	Coupling	
2	8036029	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	5	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	8	Disc, Inner Clutch	
9	7026759	8	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319605	2	Cage, Roller	
13	1319606	2	Cage, Roller	
14	1319614	1	Carrier, Disc	
15	1319615	1	Bearing, Roller	
16	8036190	1	Assembly, Roller Bearing	
16	7029532	1	Ring, Outer	
16	7029533	1	Ring, Inner	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-8. TRANSMISSION, COUPLING GROUP 3

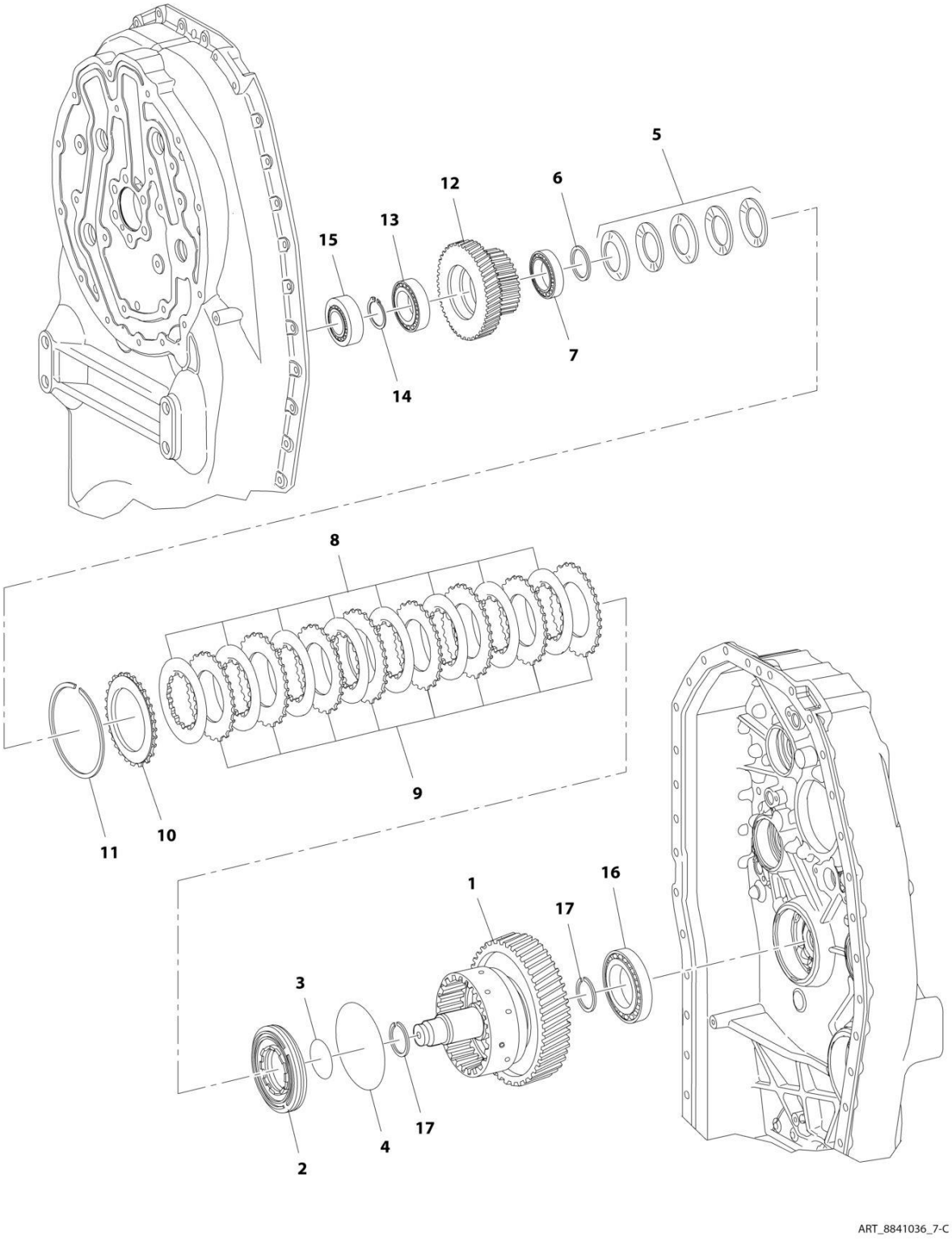


FIGURE 5-8. TRANSMISSION, COUPLING GROUP 3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - COUPLING GROUP 3	
1	1319616	1	Coupling	
2	8036029	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	5	Spring, Cup	
6	1319617	1	Shim, Support	
7	1319618	1	Bearing, Roller	
8	7026758	8	Disc, Inner Clutch	
9	7026759	8	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319619	1	Carrier, Disc	
13	1319620	1	Bearing, Roller	
14	1319621	1	Ring, Retaining 3.2	
14	1319622	1	Ring, Retaining 3.1	
14	1319623	1	Ring, Retaining 3	
14	1319624	1	Ring, Retaining 2.9	
14	1319625	1	Ring, Retaining 2.8	
14	1319626	1	Ring, Retaining 2.7	
14	1319627	1	Ring, Retaining 2.6	
14	1319628	1	Ring, Retaining 2.5	
14	1319629	1	Ring, Retaining 2.4	
14	1319630	1	Ring, Retaining 2.3	
14	1319631	1	Ring, Retaining 2.2	
14	1319632	1	Ring, Retaining 2.1	
15	8036190	1	Assembly, Roller Bearing	
15	7029532	1	Ring, Outer	
15	7029533	1	Ring, Inner	
16	1319633	1	Bearing, Roller	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-9. TRANSMISSION, COUPLING GROUP 4

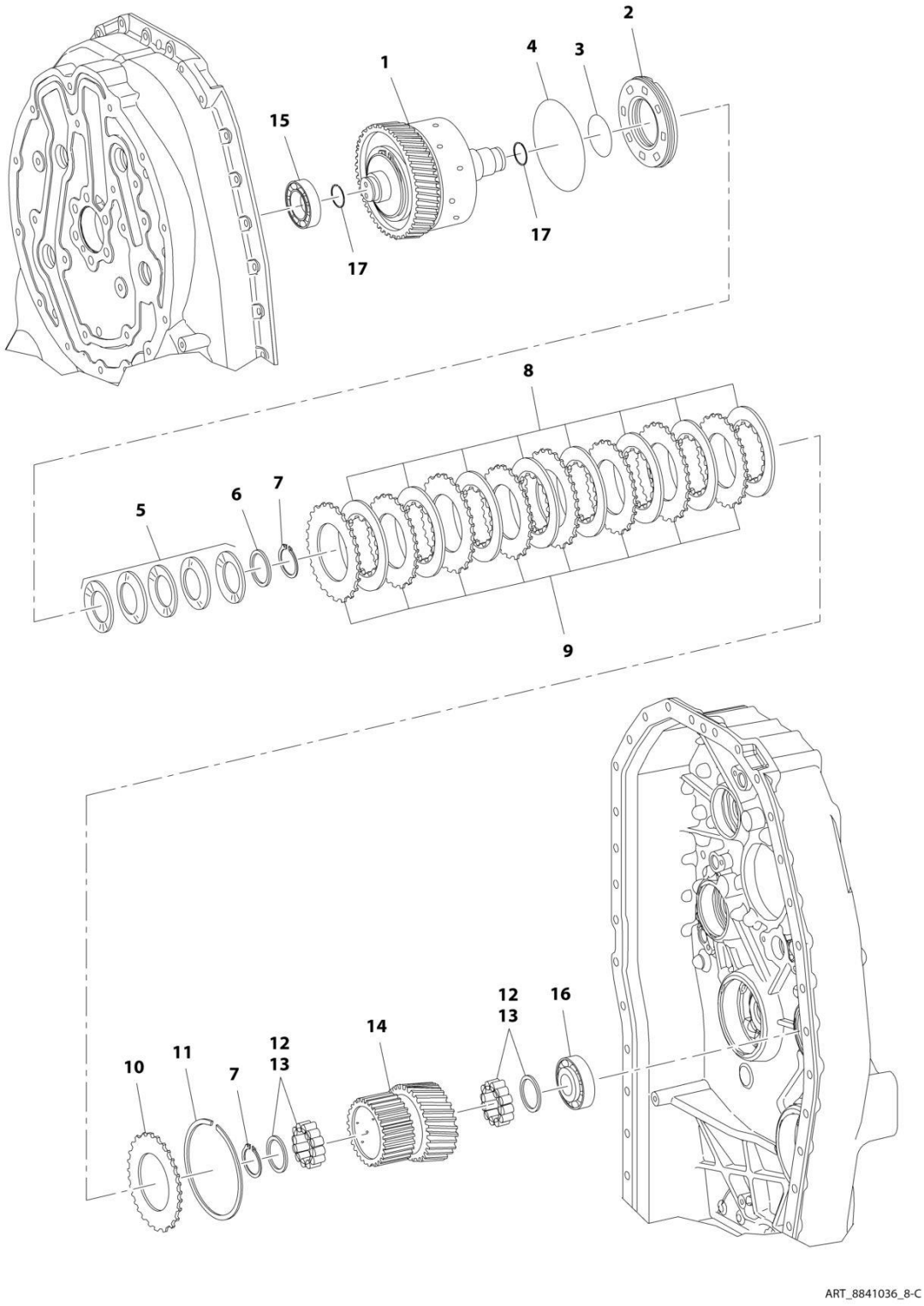


FIGURE 5-9. TRANSMISSION, COUPLING GROUP 4

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - COUPLING GROUP 4	
1	1319634	1	Coupling	
2	8036029	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	5	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	8	Disc, Inner Clutch	
9	7026759	8	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319605	2	Cage, Roller	
13	1319606	2	Cage, Roller	
14	1319635	1	Carrier, Disc	
15	1319615	1	Bearing, Roller	
16	1319636	1	Bearing, Roller	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-10. TRANSMISSION, REVERSING GEAR GROUP 1

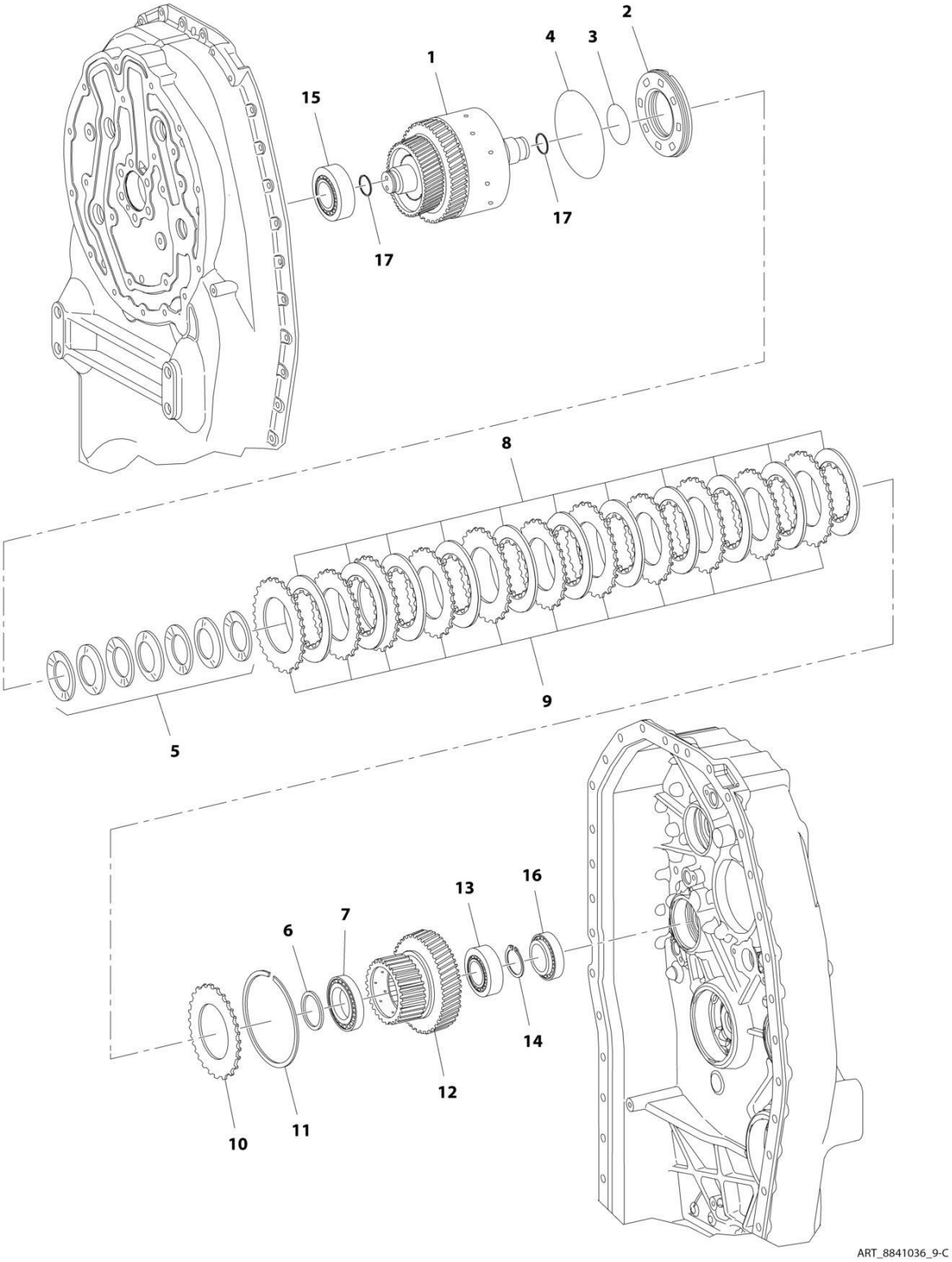


FIGURE 5-10. TRANSMISSION, REVERSING GEAR GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - REVERSE GEAR GROUP 1	
1	1319637	1	Coupling	
2	8036029	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	7	Spring, Cup	
6	1319617	1	Shim, Support	
7	1319618	1	Bearing, Roller	
8	7026758	11	Disc, Inner Clutch	
9	7026759	11	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319638	1	Disc, Carrier	
13	1319620	1	Bearing, Roller	
14	1319621	1	Ring, Retaining 3.2	
14	1319622	1	Ring, Retaining 3.1	
14	1319623	1	Ring, Retaining 3	
14	1319624	1	Ring, Retaining 2.9	
14	1319625	1	Ring, Retaining 2.8	
14	1319626	1	Ring, Retaining 2.7	
14	1319627	1	Ring, Retaining 2.6	
14	1319628	1	Ring, Retaining 2.5	
14	1319629	1	Ring, Retaining 2.4	
14	1319630	1	Ring, Retaining 2.3	
14	1319631	1	Ring, Retaining 2.2	
14	1319632	1	Ring, Retaining 2.1	
15	1319615	1	Bearing, Roller	
16	1319636	1	Bearing, Roller	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-11. TRANSMISSION, REVERSING GEAR GROUP 2

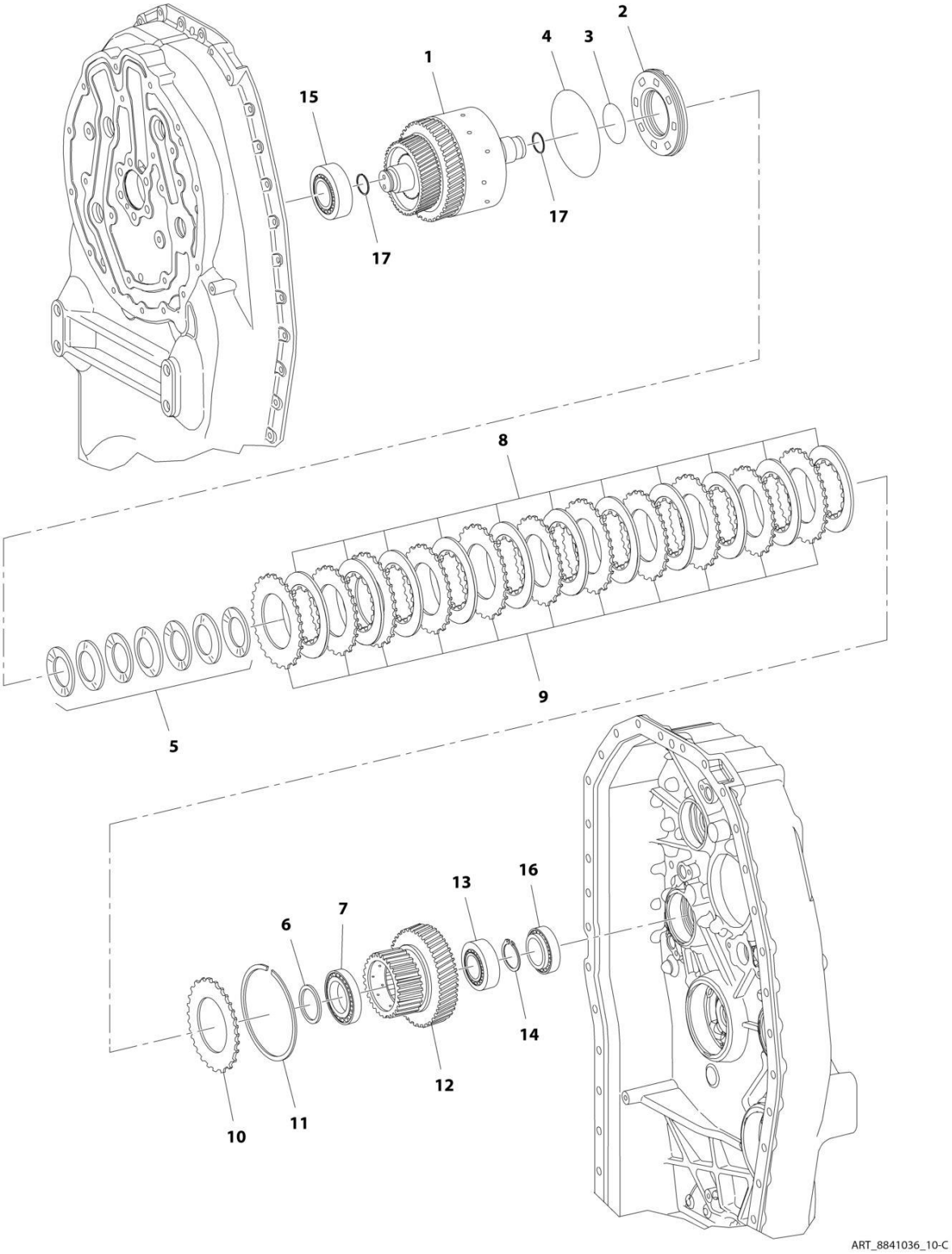


FIGURE 5-11. TRANSMISSION, REVERSING GEAR GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - REVERSING GEAR GROUP 2	
1	1319639	1	Coupling	
2	8036029	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	7	Spring, Cup	
6	1319617	1	Shim, Support	
7	1319618	1	Bearing, Roller	
8	7026758	11	Disc, Inner Clutch	
9	7026759	11	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319638	1	Disc, Carrier	
13	1319620	1	Bearing, Roller	
14	1319621	1	Ring, Retaining 3.2	
14	1319622	1	Ring, Retaining 3.1	
14	1319623	1	Ring, Retaining 3	
14	1319624	1	Ring, Retaining 2.9	
14	1319625	1	Ring, Retaining 2.8	
14	1319626	1	Ring, Retaining 2.7	
14	1319627	1	Ring, Retaining 2.6	
14	1319628	1	Ring, Retaining 2.5	
14	1319629	1	Ring, Retaining 2.4	
14	1319630	1	Ring, Retaining 2.3	
14	1319631	1	Ring, Retaining 2.2	
14	1319632	1	Ring, Retaining 2.1	
15	1319608	1	Bearing, Roller	
16	1319636	1	Bearing, Roller	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-12. TRANSMISSION, OUTPUT

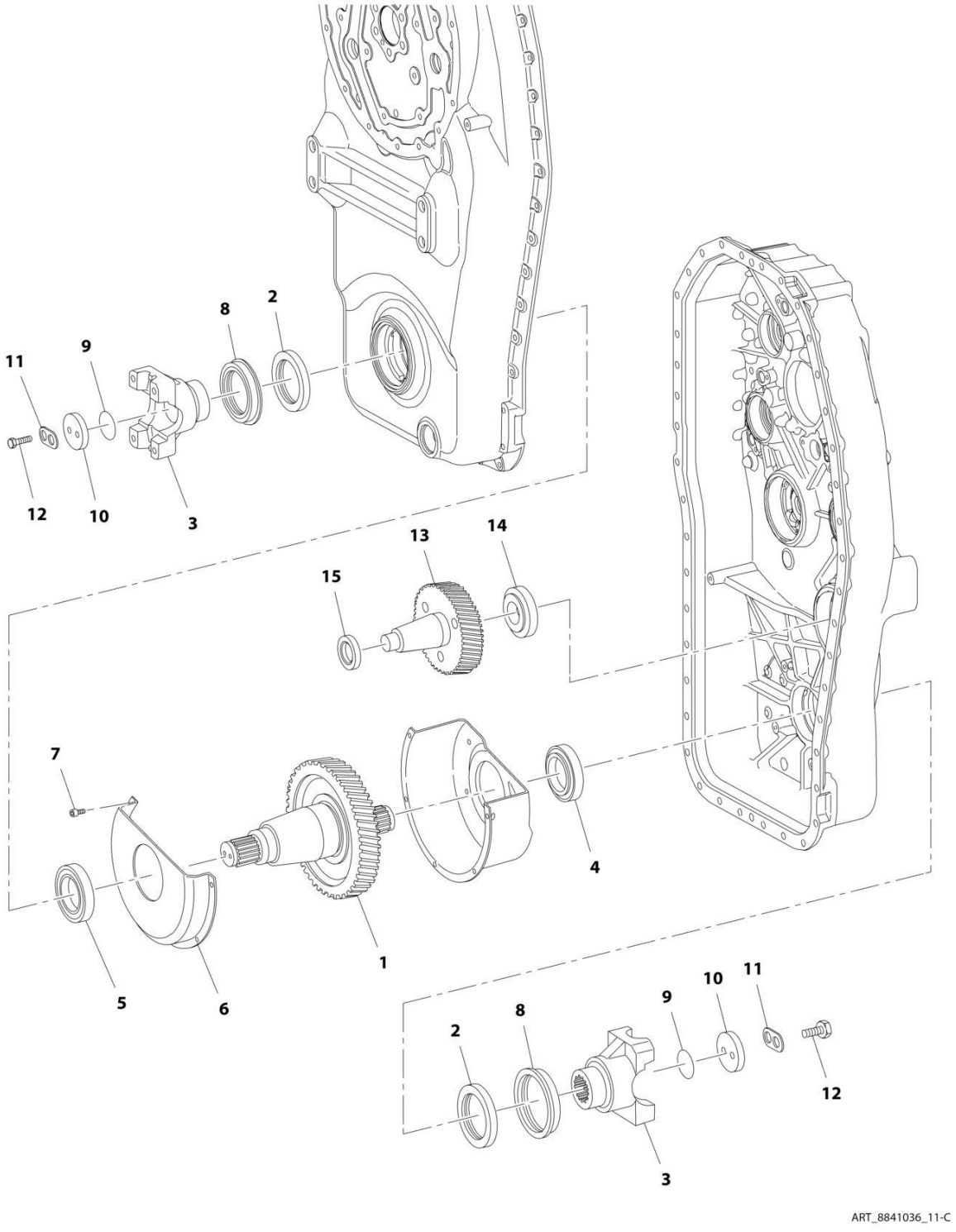


FIGURE 5-12. TRANSMISSION, OUTPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - OUTPUT	
1	8036030	1	Shaft, Output	
2	1319641	2	Seal, Shaft	
3	7027273	2	Flange, Output	
4	N.S.S.	1	Assembly, Roller Bearing	
4	70020430	1	Cup, Bearing	
4	70020431	1	Cone, Bearing	
5	1319643	1	Bearing, Roller	
6	8036031	1	Sheet, Screen	
7	1319646	5	Bolt, M6X10	
8	1319647	2	Sheet, Screen	
9	10839156	2	O-Ring	
10	1319648	2	Washer, M10	
11	1319649	2	Washer, Tab	
12	10731959	4	Bolt, M8X25	
13	8036032	1	Shaft, Intermediate	
14	1319633	1	Bearing, Roller	
15	8036190	1	Assembly, Roller Bearing	
15	7029532	1	Ring, Outer	
15	7029533	1	Ring, Inner	

FIGURE 5-13. TRANSMISSION, CONTROL UNIT

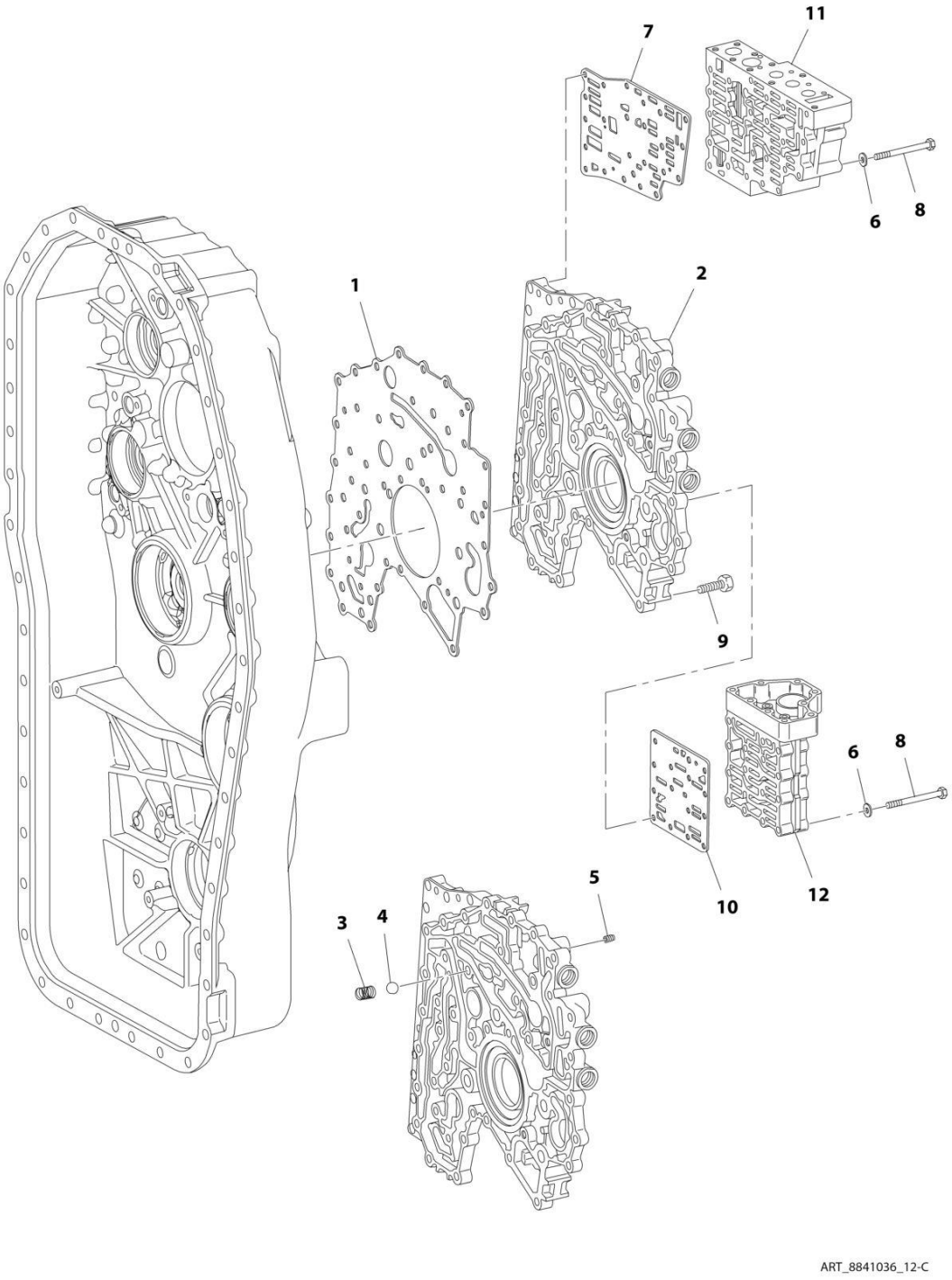


FIGURE 5-13. TRANSMISSION, CONTROL UNIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - CONTROL UNIT	
1	1319650	1	Gasket	
2	8036033	1	Plate, Duct	
3	10732072	1	Spring, Compression	
4	10732071	1	Ball	
5	1319652	1	Orifice	
6	1319661	19	Washer, 6.4	
7	70020425	1	Plate, Intermediate	
8	7029037	19	Bolt, M6X60	
9	1319659	43	Screw, Torx M8X30	
10	70020426	1	Plate, Intermediate	
11		Ref	Housing, Valve (See Separate Breakdown in this Section)	
12		Ref	Block, Valve (See Separate Breakdown in this Section)	

FIGURE 5-14. TRANSMISSION, VALVE HOUSING ASSEMBLY

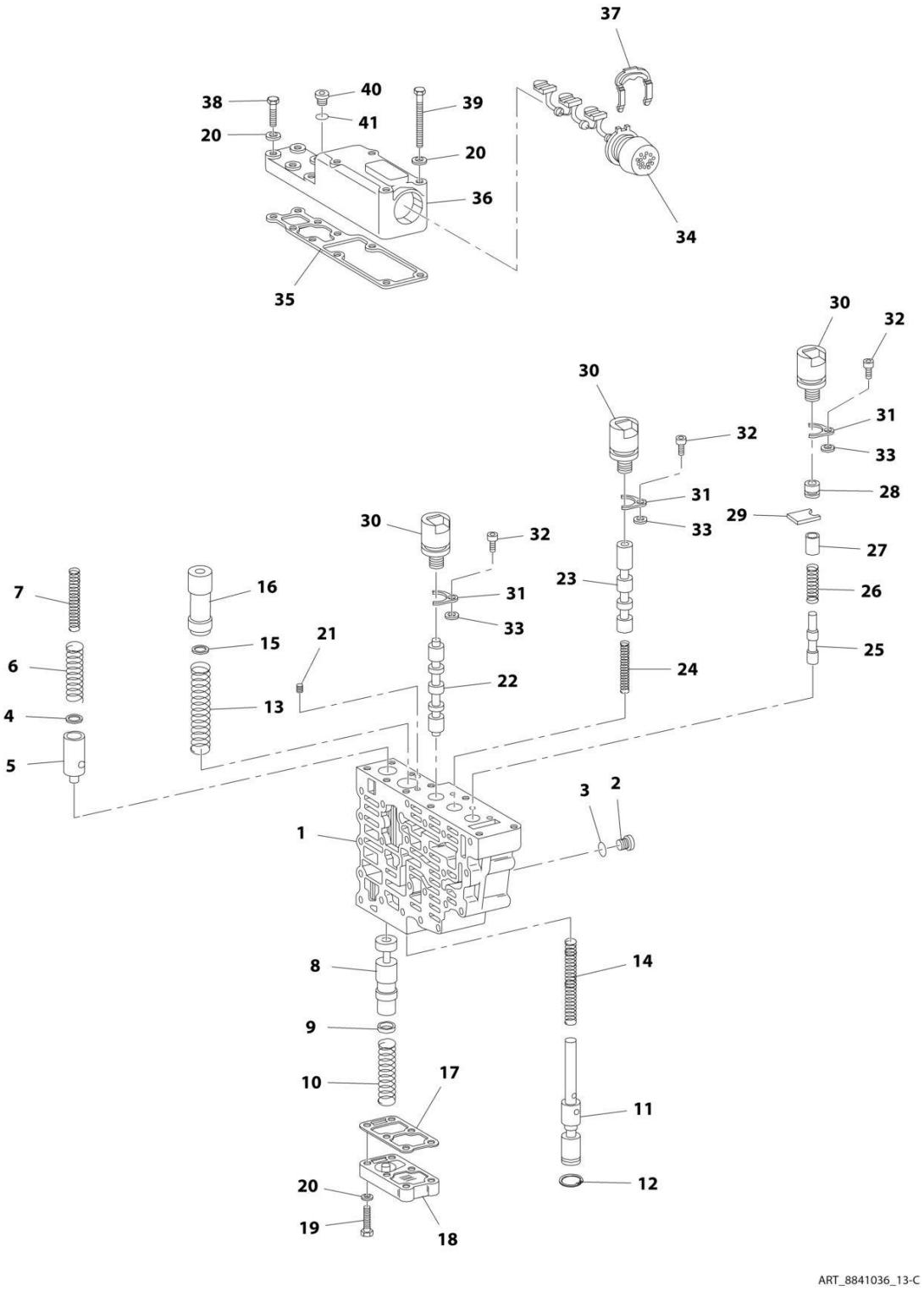


FIGURE 5-14. TRANSMISSION, VALVE HOUSING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - VALVE HOUSING ASSEMBLY	
	8036040	Ref	Valve Housing Assembly	
1	1319671	1	Housing, Valve	
2	1319670	7	Plug, Screw M10X1	
3	10731709	7	O-Ring	
4	8036036	1	Washer, 1	
5	7029039	1	Piston	
6	1319673	1	Spring, Compression	
7	8036038	1	Spring, Compression	
8	1319674	1	Piston	
9	1319675	1	Washer, 3.6	
9	1319676	1	Washer, 3.2	
9	1319677	1	Washer, 2.8	
9	1319678	1	Washer, 2.4	
9	1319679	1	Washer, 2	
10	1319680	1	Spring, Compression	
11	1319681	1	Control, Piston	
12	1319682	1	Washer, Lock 12	
13	1319683	1	Spring, Compression	
14	1319684	1	Spring, Compression	
15	1319685	1	Washer, 2	
15	1319686	1	Washer, 1	
15	1319687	1	Washer, 0.5	
15	1319688	1	Washer, 0.3	
15	1319689	1	Washer, 0.2	
16	1319690	1	Piston	
17	1319691	1	Seal	
18	1319692	1	Cover	
19	1319693	6	Bolt, M6X25	
20	1319661	16	Washer, 6.4	
21	1319652	1	Orifice	
22	1319694	1	Valve	
23	1319695	1	Piston	
24	1319696	1	Spring, Compression	
25	1319697	1	Piston	
26	1319698	1	Spring, Compression	
27	1319699	1	Spacer, Sleeve	
28	1319700	1	Plug	
29	1319701	1	Plate, Fixing	
30	1319702	3	Valve, Solenoid	
31	10732063	3	Plate, Fixing	
32	1319703	3	Bolt, M5X12	
33	10732064	3	Washer, 2	
34	1319704	1	Harness, Wiring	
35	1319705	1	Seal	
36	8036039	1	Cover	
37	1319707	1	Clamp, Retaining	
38	1319693	6	Bolt, M6X25	
39	7029037	4	Bolt, M6X60	
40	1319670	1	Plug, Screw M10X1	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	10731709	1	O-Ring	

FIGURE 5-15. TRANSMISSION, VALVE BLOCK ASSEMBLY

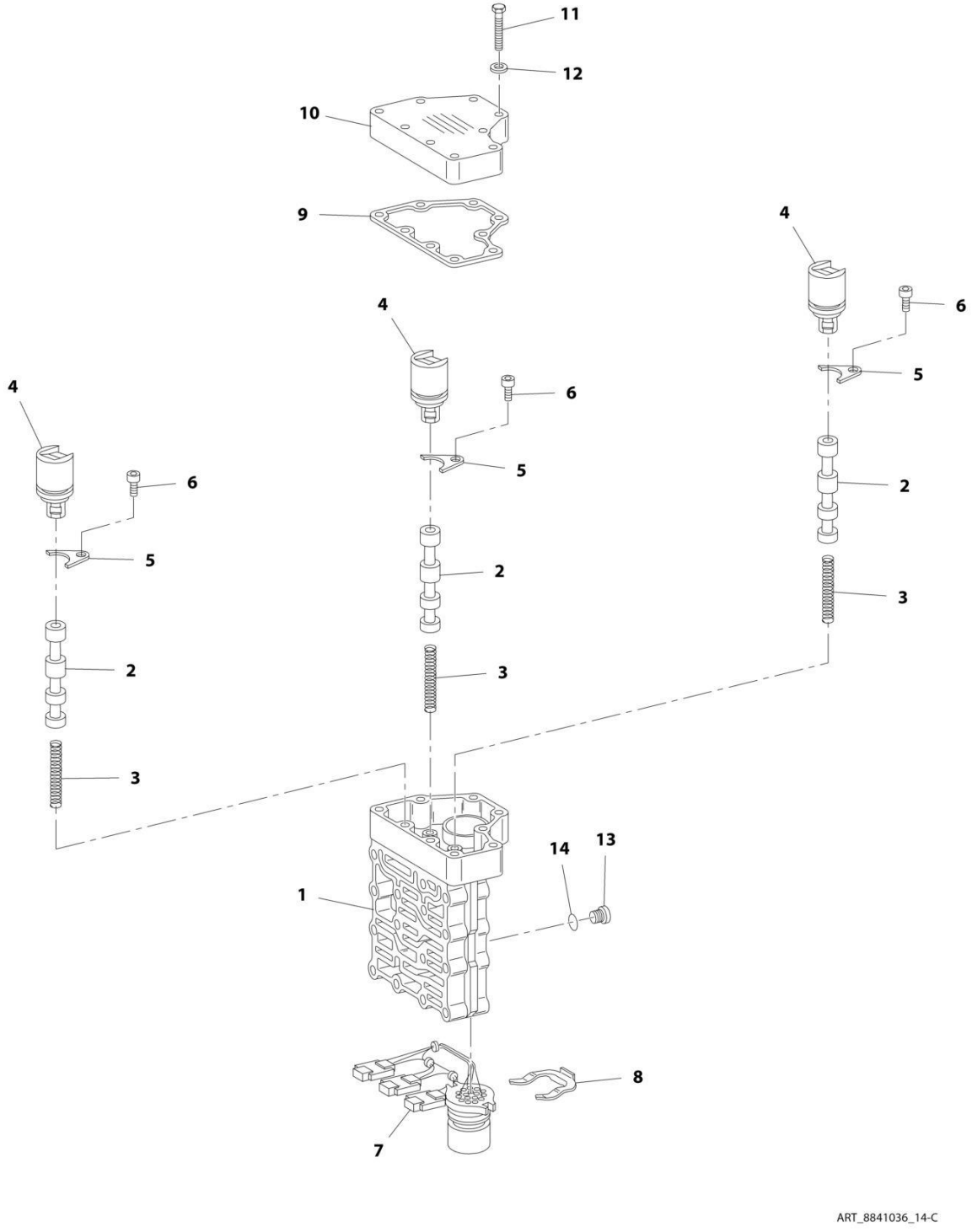


FIGURE 5-15. TRANSMISSION, VALVE BLOCK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - VALVE BLOCK ASSEMBLY	
	1319717	Ref	Valve Block Assembly	
1	70020427	1	Block, Valve	
2	1319710	3	Piston	
3	1319696	3	Spring, Compression	
4	1319702	3	Valve, Solenoid	
5	10732063	3	Plate, Fixing	
6	1319703	3	Bolt, M5X12	
7	1319711	1	Harness, Wiring	
8	1319707	1	Clamp, Retaining	
9	1319712	1	Gasket	
10	1319713	1	Cover	
11	1319714	9	Bolt, M5X32	
12	1319715	9	Washer, 5.3	
13	1319670	3	Plug, Screw M10X1	
14	10731709	3	O-Ring	

FIGURE 5-16. TRANSMISSION, OIL PUMP AND FILTER

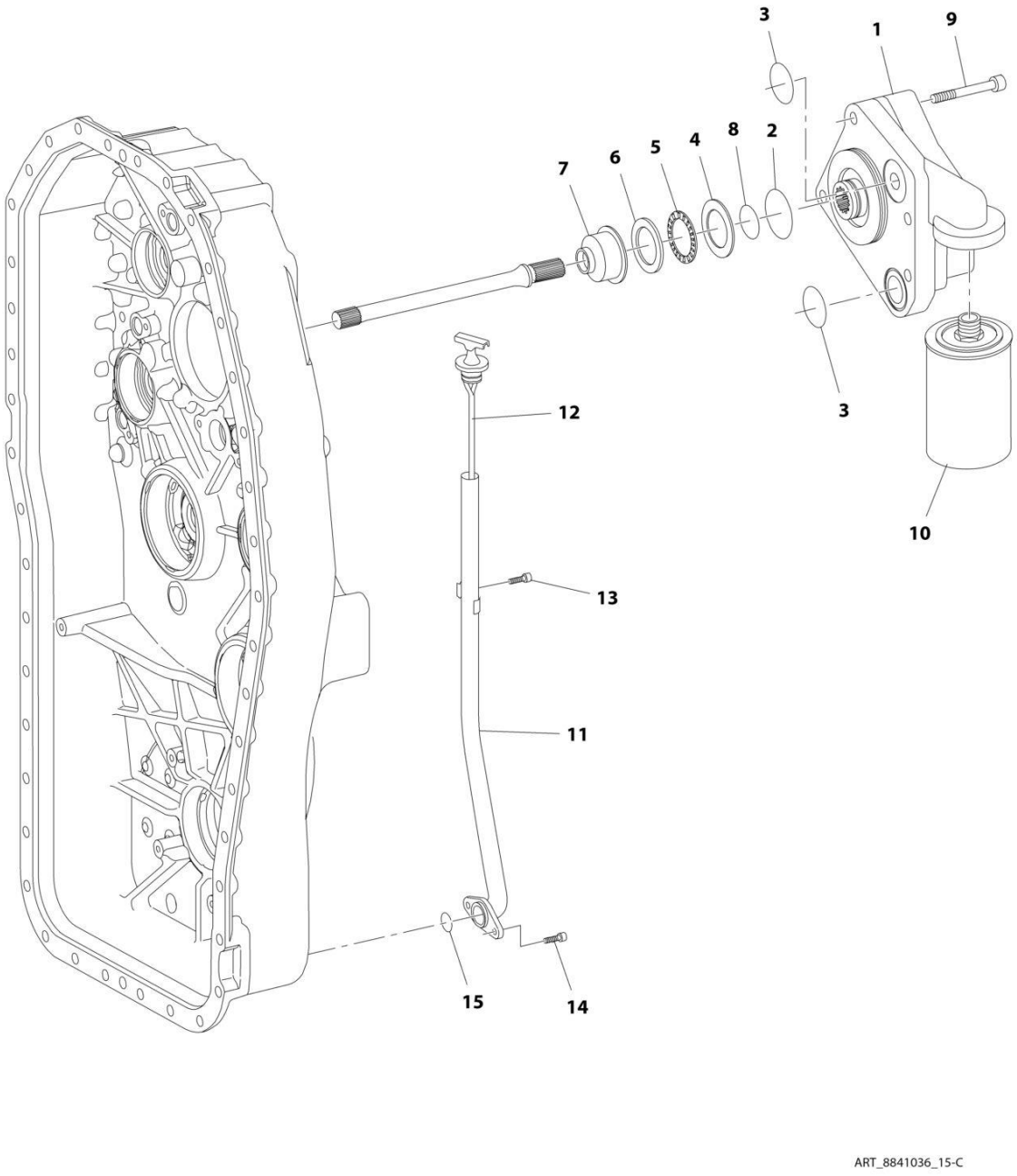


FIGURE 5-16. TRANSMISSION, OIL PUMP AND FILTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - OIL PUMP AND FILTER	
1	1319718	1	Pump	
1	7029417	1	O-Ring, (between pump halves), (not shown)	
2	8036250	1	O-Ring	
3	1319719	2	O-Ring	
4	1319720	1	Washer, Axial 40X60X1	
5	1319721	1	Cage, Axial Needle	
6	1319722	1	Disc, Angle	
7	1319723	1	Sleeve, Stop	
8	1319724	1	O-Ring	
9	1319725	4	Bolt, M12X115	
10	1319726	1	Filter, Transmission Oil	
11	8036041	1	Tube, Dipstick	
12	8036042	1	Dipstick	
13	1319585	1	Screw, M8X16	
14	1319582	1	Screw, M8X20	
15	70023885	1	O-Ring	

FIGURE 5-17. DRIVE SHAFT INSTALLATION

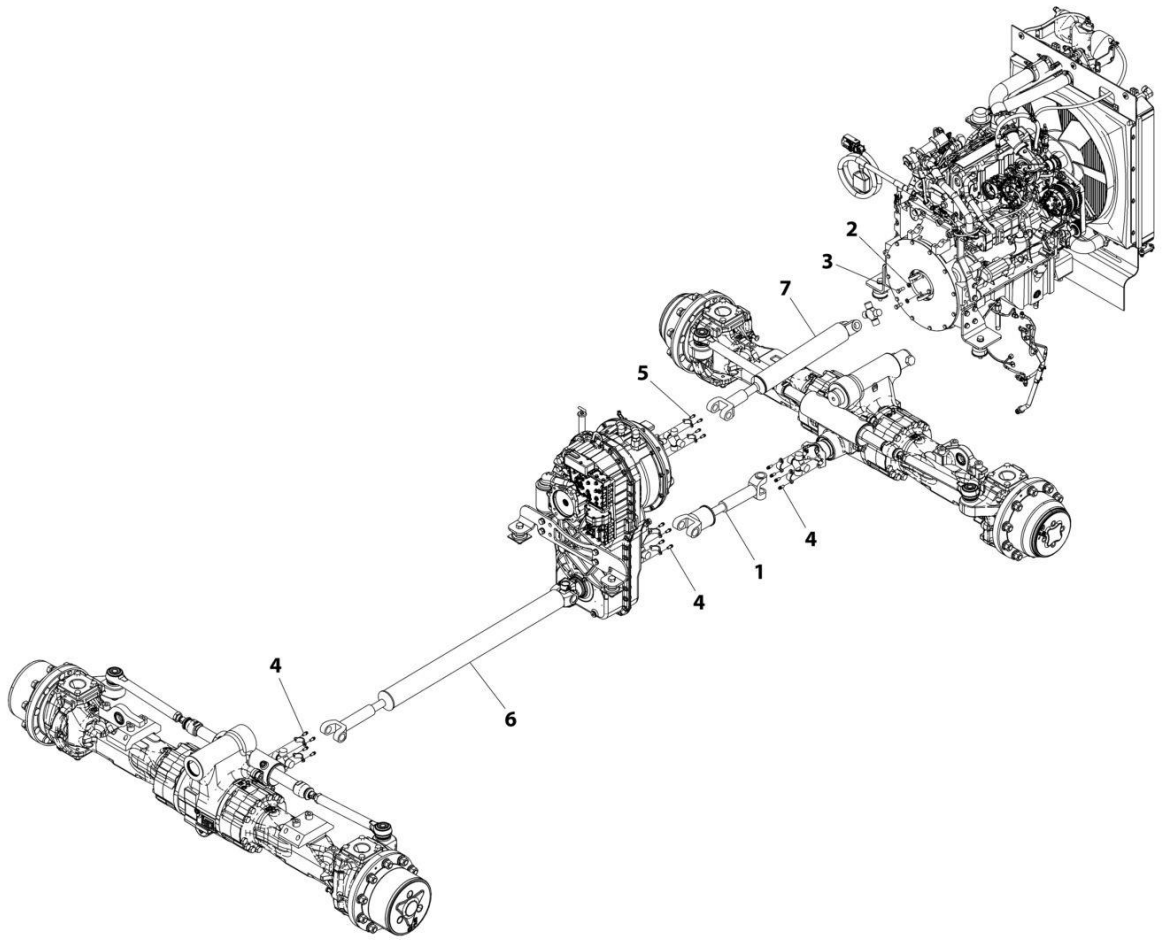


FIGURE 5-17. DRIVE SHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223727	Ref	DRIVESHAFT INSTALLATION	B
1	7138639	1	Drive Shaft Assembly (Rear) See Separate Breakdown in this Section)	
2	8307006	4	Washer 7/16	
3	8310425	4	Bolt 7/16X1-1/4, Grade 8	
4	8880218-OM	4	Kit, Strap	
5	8880219-OM	1	Kit, Strap	
6	1001222870	1	Drive Shaft Assembly (Front) See Separate Breakdown in this Section)	
7	1001127784	1	Drive Shaft Assembly (Input) See Separate Breakdown in this Section)	

FIGURE 5-18. DRIVE SHAFT ASSEMBLY (INPUT)

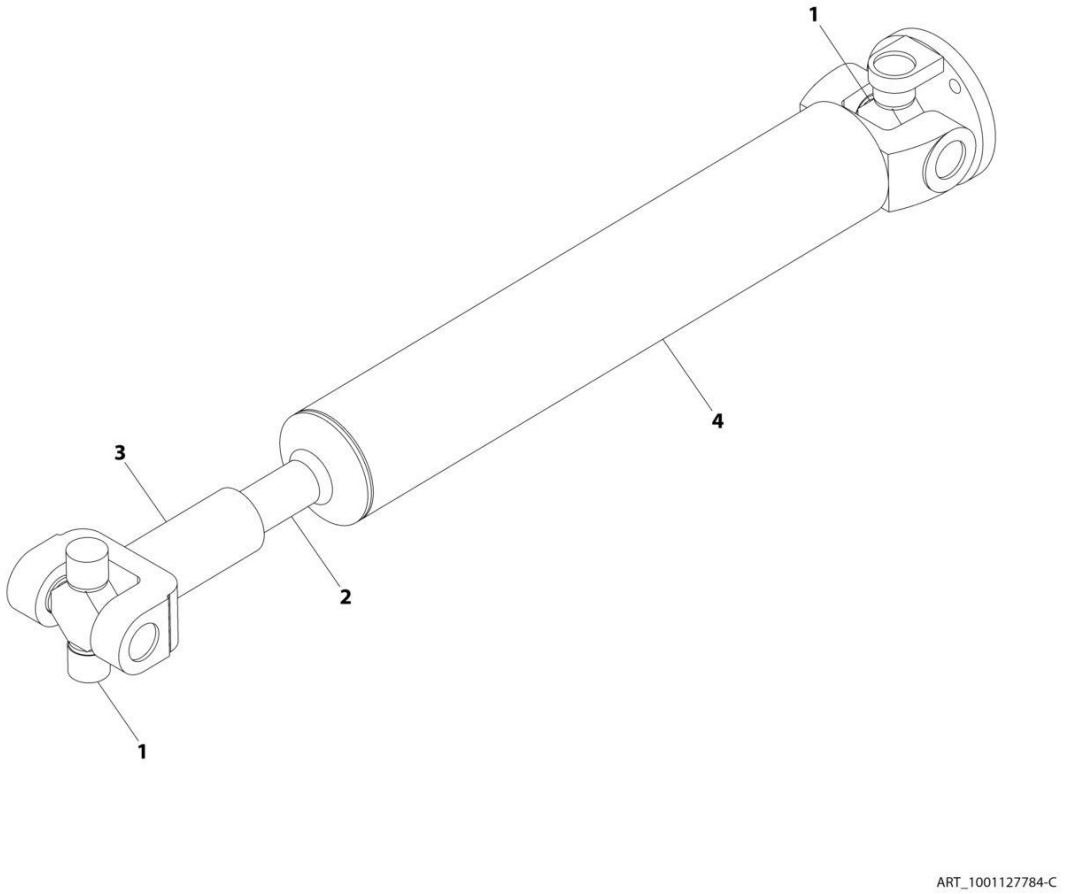


FIGURE 5-18. DRIVE SHAFT ASSEMBLY (INPUT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001127784	Ref	Drive Shaft Input Assembly	C
1	1101841	2	Kit, Cross and Bearing	
2	8035109	1	Kit, Dust Cap	
3	See Note	NSS	Joint, Slip (Note: Purchase Complete Assembly)	
4	See Note	NSS	Shaft, Yoke (Note: Purchase Complete Assembly)	

FIGURE 5-19. DRIVE SHAFT ASSEMBLY (FRONT)

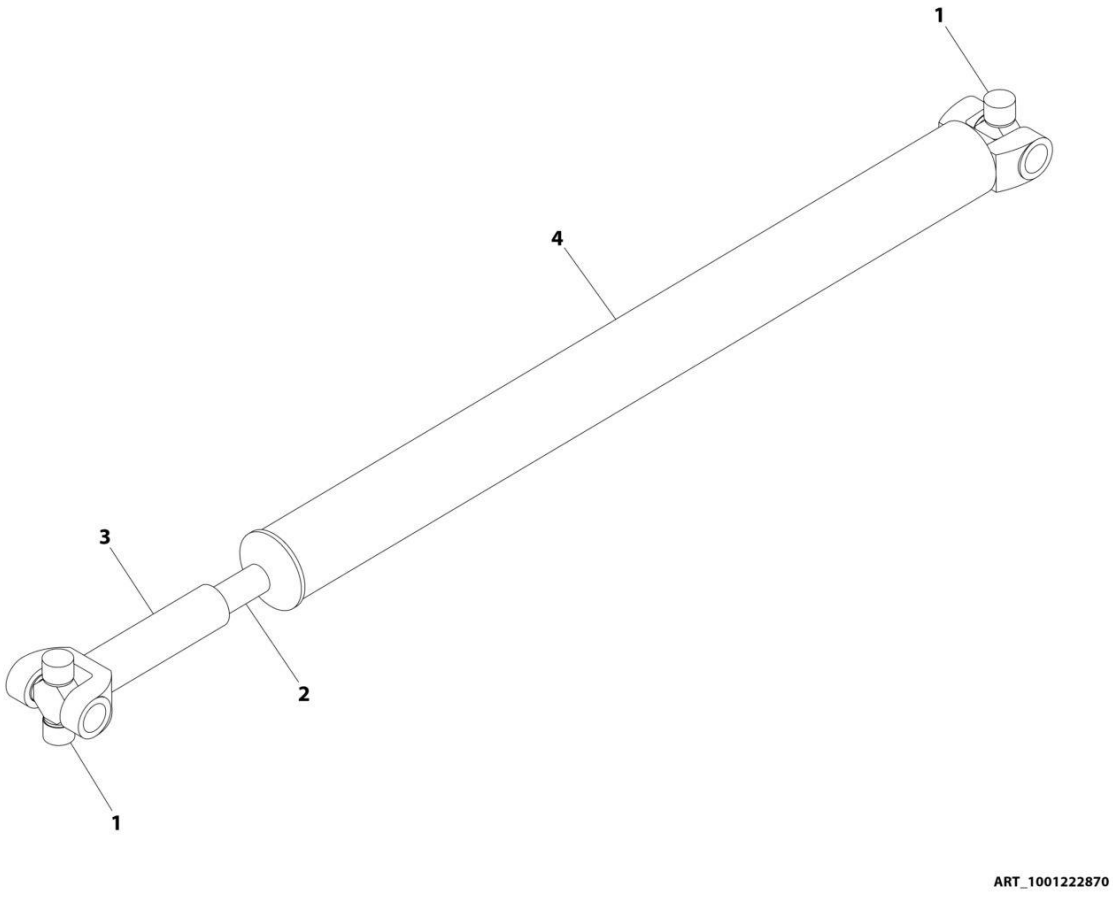


FIGURE 5-19. DRIVE SHAFT ASSEMBLY (FRONT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222870	Ref	Front Drive Shaft Assembly	E
1	7026911	1	Kit, Cross and Bearing (two required per drive shaft)	
2	8035109	2	Kit, Dust Cap (one required per drive shaft)	
3	N.S.S.	2	Joint, Slip	
4	N.S.S.	2	Shaft, Yoke	

FIGURE 5-20. DRIVE SHAFT ASSEMBLY (REAR)

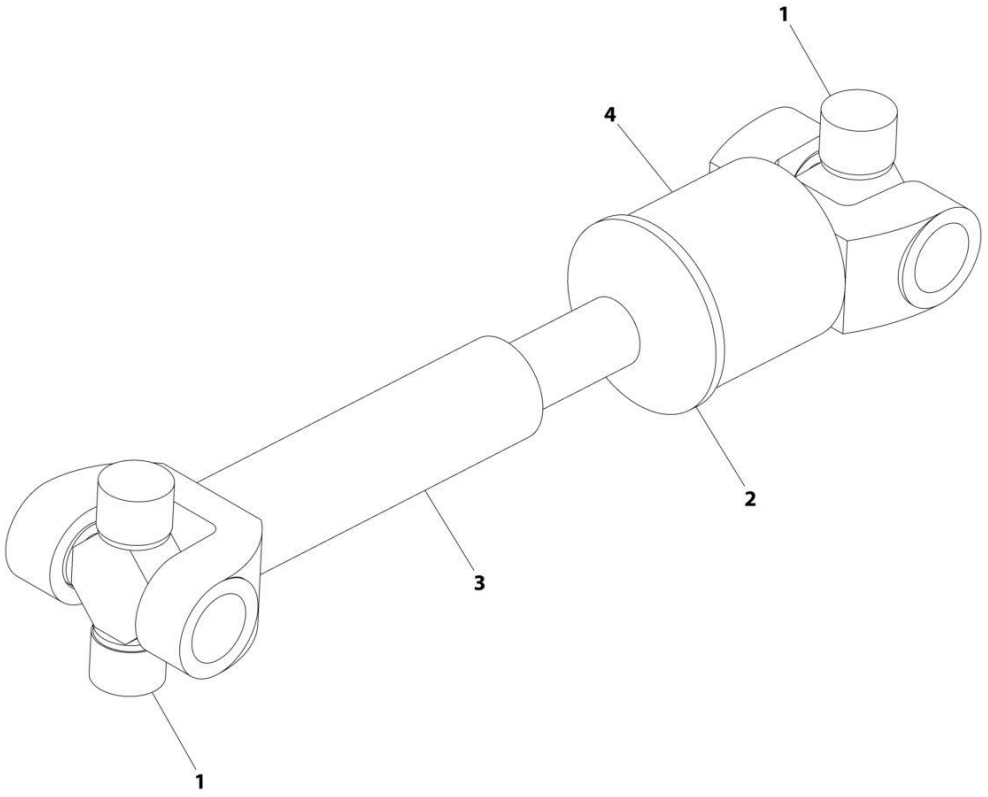


FIGURE 5-20. DRIVE SHAFT ASSEMBLY (REAR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7138639	Ref	Rear Drive Shaft Assembly	G
1	7026911	1	Kit, Cross and Bearing (two required per drive shaft)	
2	8035109	2	Kit, Dust Cap (one required per drive shaft)	
3	N.S.S.	2	Joint, Slip	
4	N.S.S.	2	Shaft, Yoke	

FIGURE 5-21. AXLE INSTALLATION (110HP) (Prior to SN 0160129180)

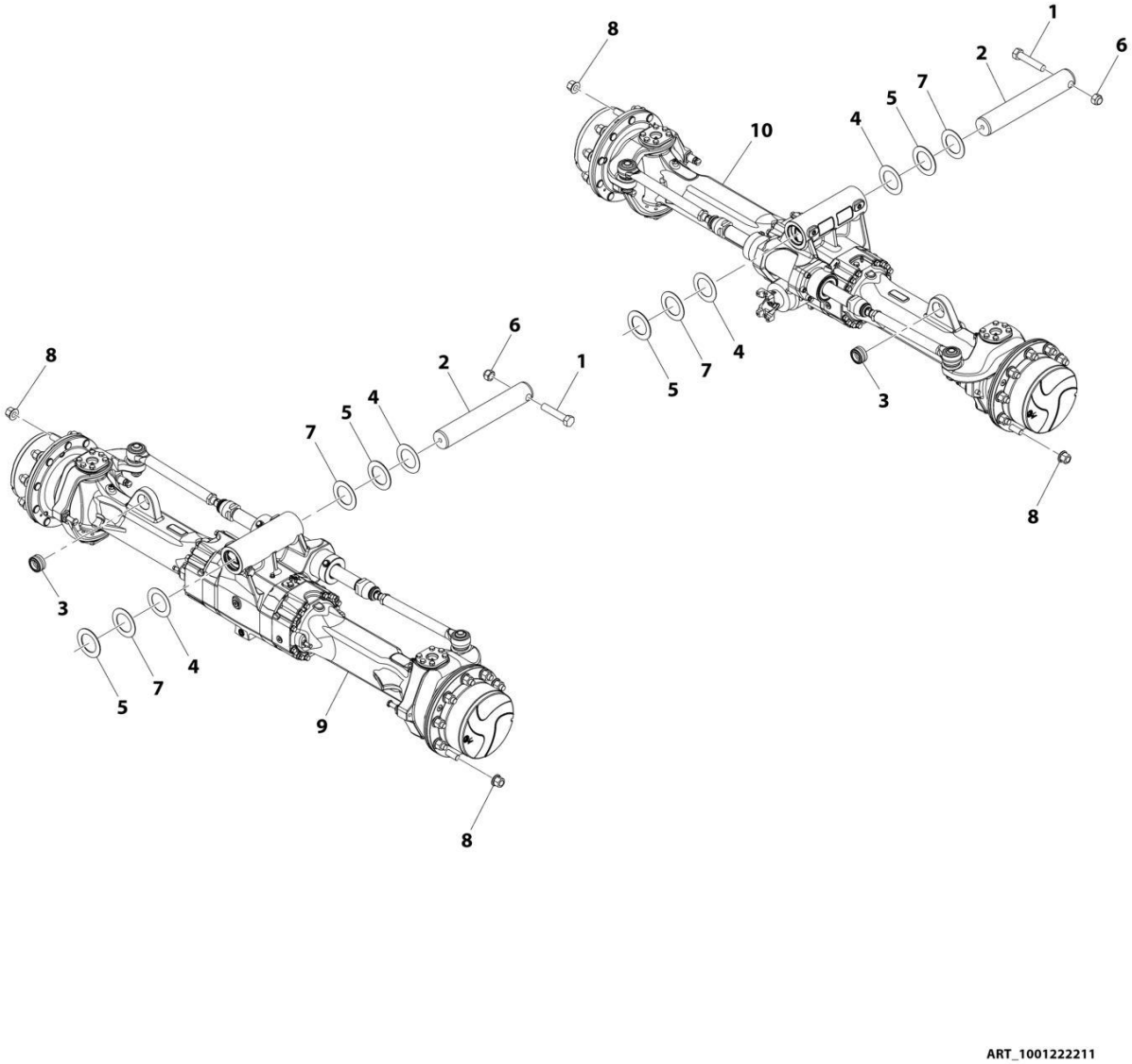


FIGURE 5-21. AXLE INSTALLATION (110HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222211	Ref	Axle Installation (110HP)	D
1	0642640	2	Bolt, 1X5	
2	3423254	2	Axle Pivot Pin,	
3	8050001	2	Bearing	
4	1001245213	4	Shim Axle, 0.060	
5	1001245215	4	Shim Axle, 0.120	
6	8310116	2	Hex Locknut, 1-8	
7	1001245214	4	Shim Axle, 0.090	
8	91403193	40	Lug Nut, M22X1-1/2	
9	1001220490	1	Front Axle (See Separate Breakdown in this Section)	
10	1001220491	1	Rear Axle (See Separate Breakdown in this Section)	

FIGURE 5-22. AXLE INSTALLATION (110HP) (SN 0160129296 to Present)

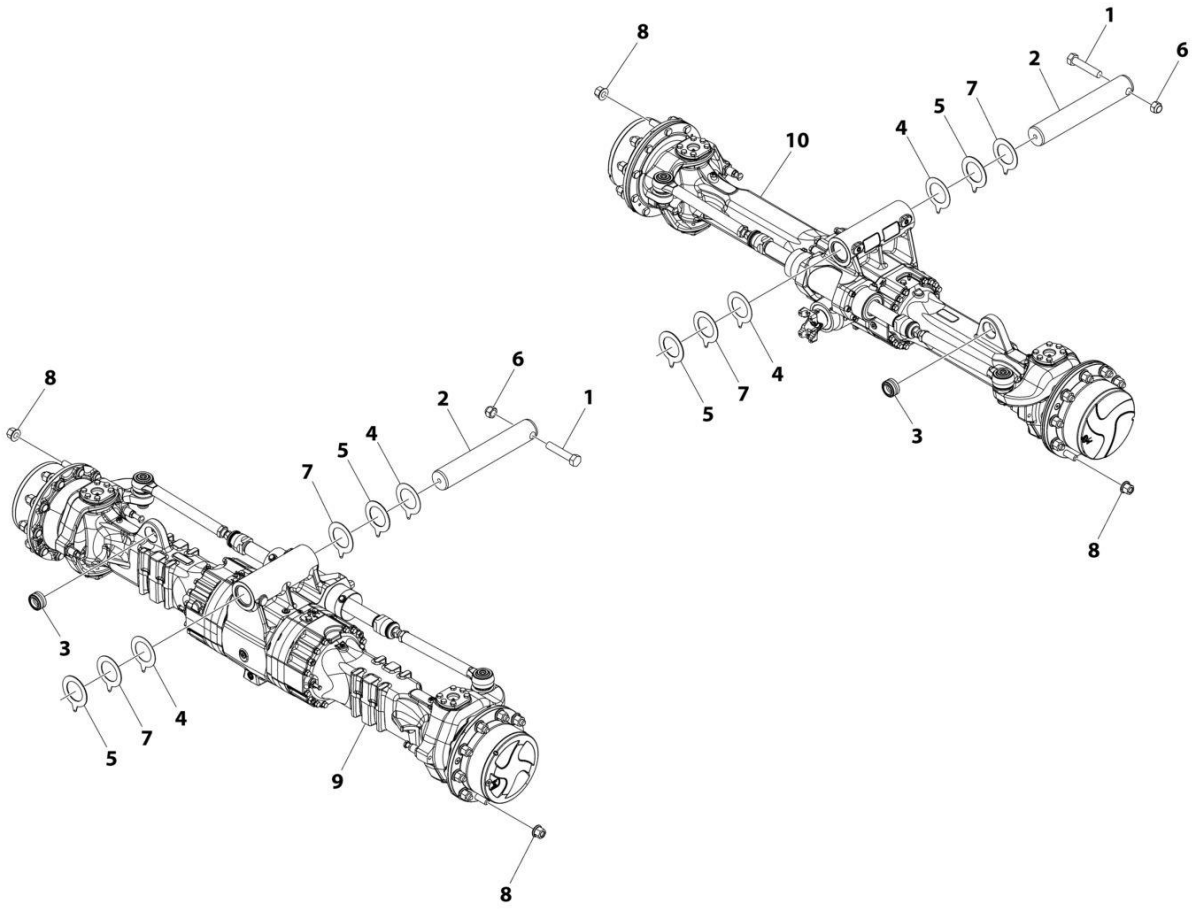


FIGURE 5-22. AXLE INSTALLATION (110HP) (SN 0160129296 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222211	Ref	AXLE INSTALLATION	E
1	0642640	2	Bolt 1 x 5	
2	3423254	2	Pin	
3	8050001	2	Bearing	
4	1001245213	4	Shim	
5	1001245215	4	Shim	
6	8310116	2	Nut	
7	1001245214	4	Shim	
8	91403193	40	Lugnut	
9	1001288142	1	Front Axle (See Separate Breakdown in this Section)	
10	1001288134	1	Rear Axle (See Separate Breakdown in this Section)	

FIGURE 5-23. AXLE INSTALLATION (74HP) (Prior to SN 0160129180)

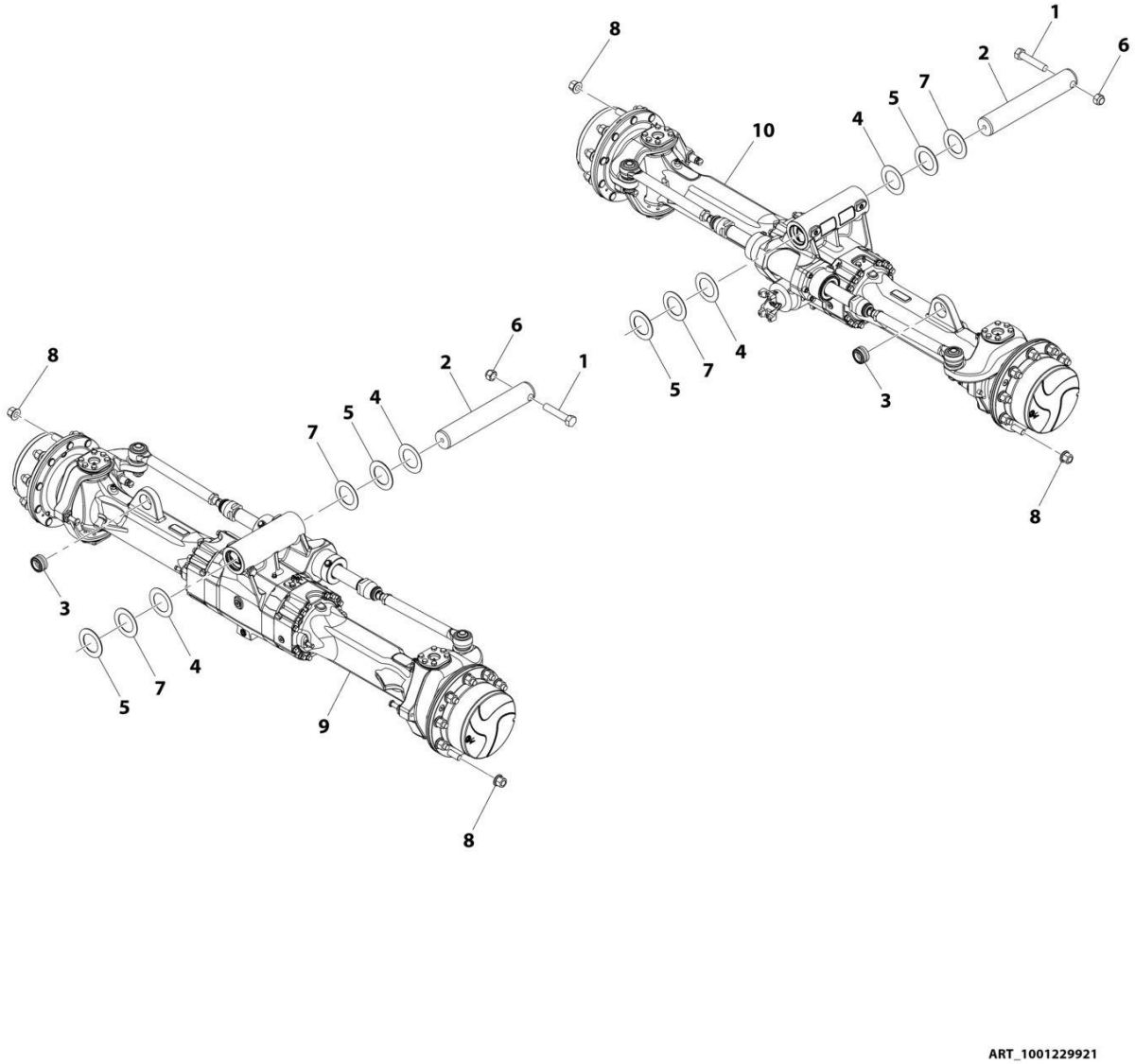


FIGURE 5-23. AXLE INSTALLATION (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229921	Ref	Axle Installation, 74HP - 10042/10054	C
1	0642640	2	Bolt, 1X5	
2	3423254	2	Pin, Axle Pivot	
3	8050001	2	Bearing, Self-Align	
4	1001245213	AR	Washer, Shim 0.06	
5	1001245214	AR	Washer, Shim 0.09	
6	8310116	2	Nut 1	
7	1001245215	AR	Washer, Shim 0.12	
8	91403193	40	Nut, Lug M22X1-1/2	
	1005798200	1	Installation, Front Axle, 74HP - 10042/10054 (See Separate Breakdown in this Section)	
	1005798300	1	Installation, Rear Axle, 74HP - 10042/10054 (See Separate Breakdown in this Section)	

FIGURE 5-24. AXLE INSTALLATION (74HP) (SN 0160129296 to Present)

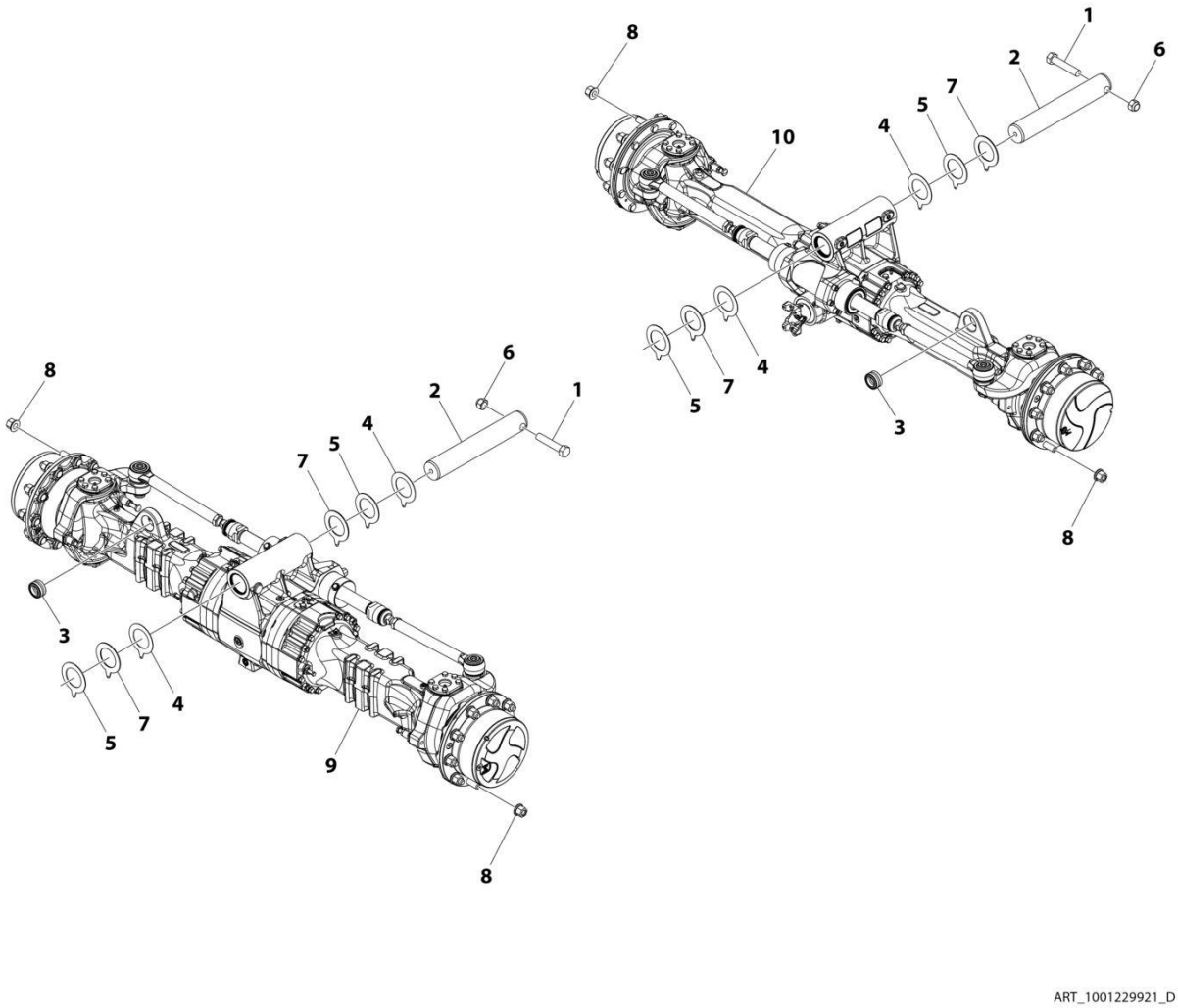
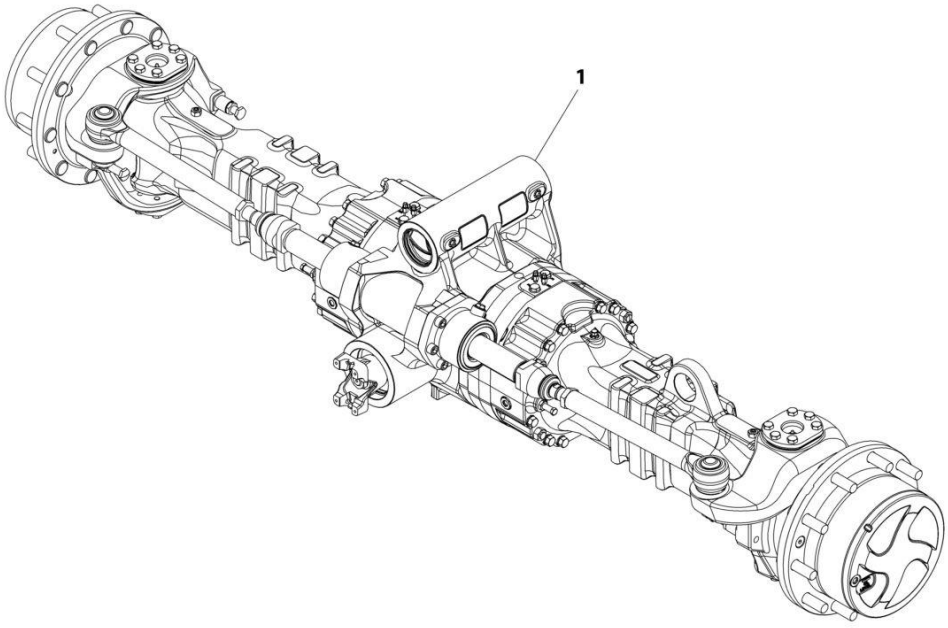


FIGURE 5-24. AXLE INSTALLATION (74HP) (SN 0160129296 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229921	Ref	AXLE INSTALLATION	D
1	0642640	2	Bolt 1 x 5	
2	3423254	2	Pin	
3	8050001	2	Bearing	
4	1001245213	AR	Shim	
5	1001245214	AR	Shim	
6	8310116	2	Nut	
7	1001245215	AR	Shim	
8	91403193	40	Lugnut	
9	1001288143	1	Installation, Front Axle, 74HP - 10042/10054 (See Separate Breakdown in this Section)	
10	1001288137	1	Installation, Rear Axle, 74HP - 10042/10054 (See Separate Breakdown in this Section)	

FIGURE 5-25. FRONT AXLE INSTALLATION (74HP) (Prior to SN 0160129180)



ART_1005798200_E

FIGURE 5-25. FRONT AXLE INSTALLATION (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1005798200	Ref	Front Axle	E
		Ref	Front Axle, Central Housing (See Separate Breakdown in this Section)	
		Ref	Front Axle, Differential (See Separate Breakdown in this Section)	
		Ref	Front Axle, Hub Reduction (See Separate Breakdown in this Section)	
		Ref	Front Axle, Brakes (See Separate Breakdown in this Section)	
		Ref	Front Axle, Steering (See Separate Breakdown in this Section)	

FIGURE 5-26. FRONT AXLE - CENTRAL HOUSING (74HP) (Prior to SN 0160129180)

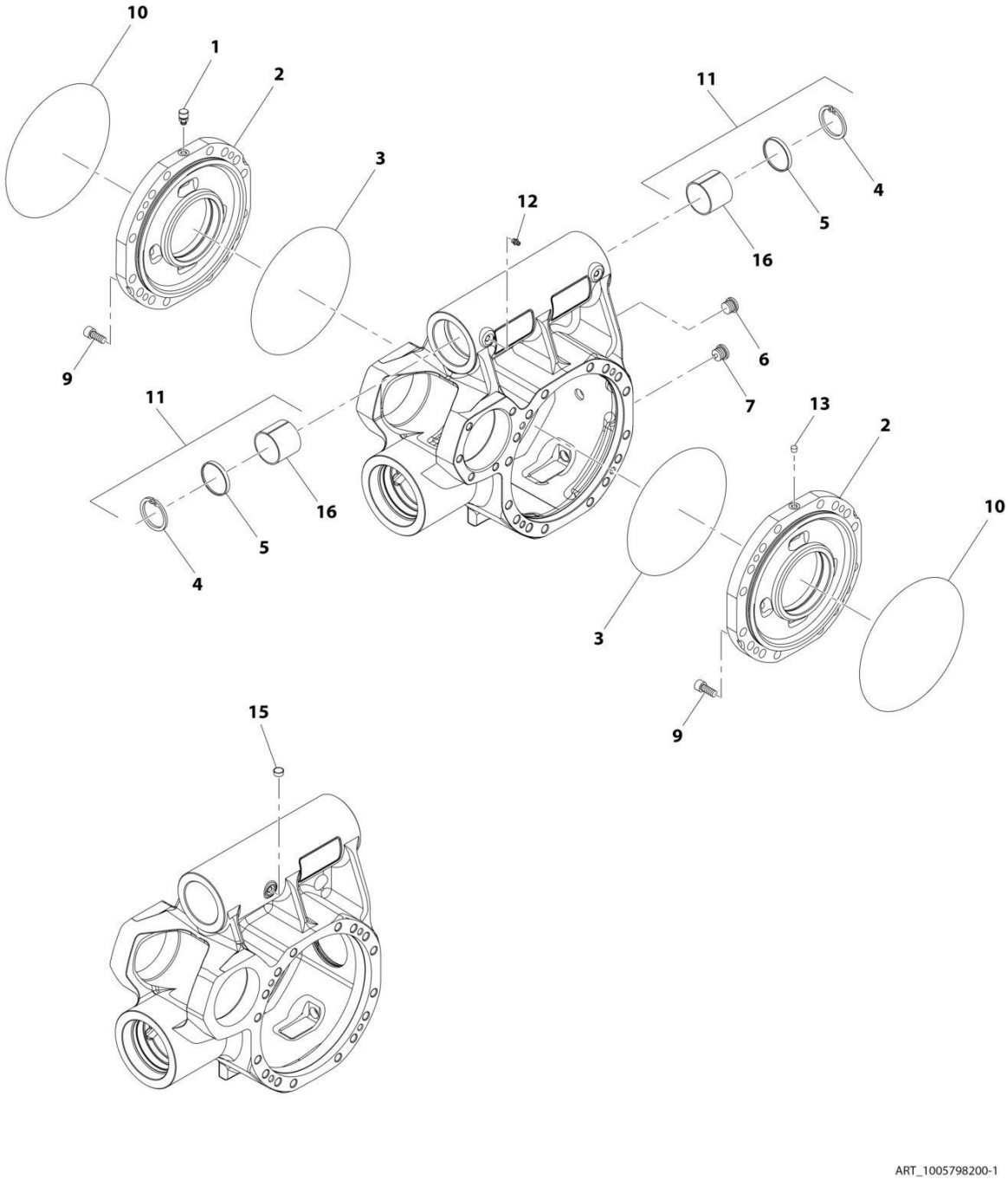


FIGURE 5-26. FRONT AXLE - CENTRAL HOUSING (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798200	Ref	FRONT AXLE, CENTRAL HOUSING	E
1	91474512	1	Vent	
2	7029288	2	Intermediate Cover	
3	80204002	2	O-Ring	
4	70028939	2	Ring	
5	70028974	2	Seal	
6	70028389	1	Plug	
7	70028388	1	Plug	
9	91514101	8	Bolt	
10	91514089	2	O-Ring	
11	70029482	1	Housing	
12	70024881	2	Grease Fitting	
13	80204012	1	Plug	
15	70028938	1	Plug	
16	70028886	2	Thrust Bushing	

FIGURE 5-27. FRONT AXLE - DIFFERENTIAL (74HP) (Prior to SN 0160129180)

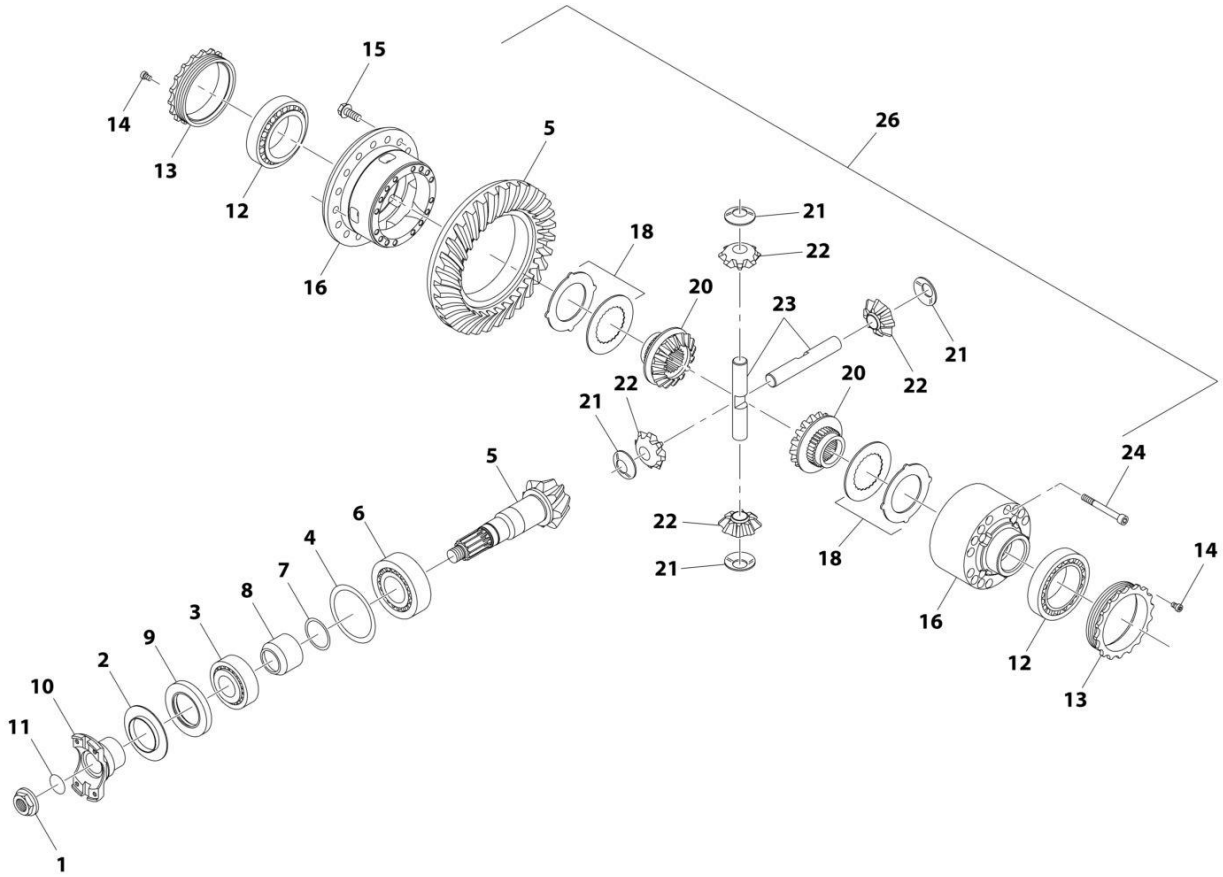


FIGURE 5-27. FRONT AXLE - DIFFERENTIAL (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798200	Ref	FRONT AXLE, DIFFERENTIAL	E
1	80204043	1	Nut	
2	91514130	1	Cover Plate	
3	80204048	1	Taper Roller Bearing	
4	70029483	1	Shim Kit	
5	70028391	1	Bevel Gear Set	
6	80204035	1	Taper Roller Bearing	
7	70023494	1	Ring	
8	70022140	1	Spacer	
9	70025887	1	Seal	
10	91514131	1	Flange	
11	10725554	1	O-Ring	
12	80204033	2	Taper Roller Bearing	
13	91514133	2	Ring Nut	
14	91514134	2	Bolt	
15	70025562	16	Bolt	
16	70024004	1	Differential Carrier	
18	70026750	2	Clutch Disc	
20	70025856	2	Gear, Differential Side	
21	70027105	4	Friction Washer	
22	70025339	4	Differential Pinion	
23	70023490	2	Differential Shaft	
24	91514143	15	Bolt	
26	70028390	1	Differential	

FIGURE 5-28. FRONT AXLE - HUB REDUCTION (74HP) (Prior to SN 0160129180)

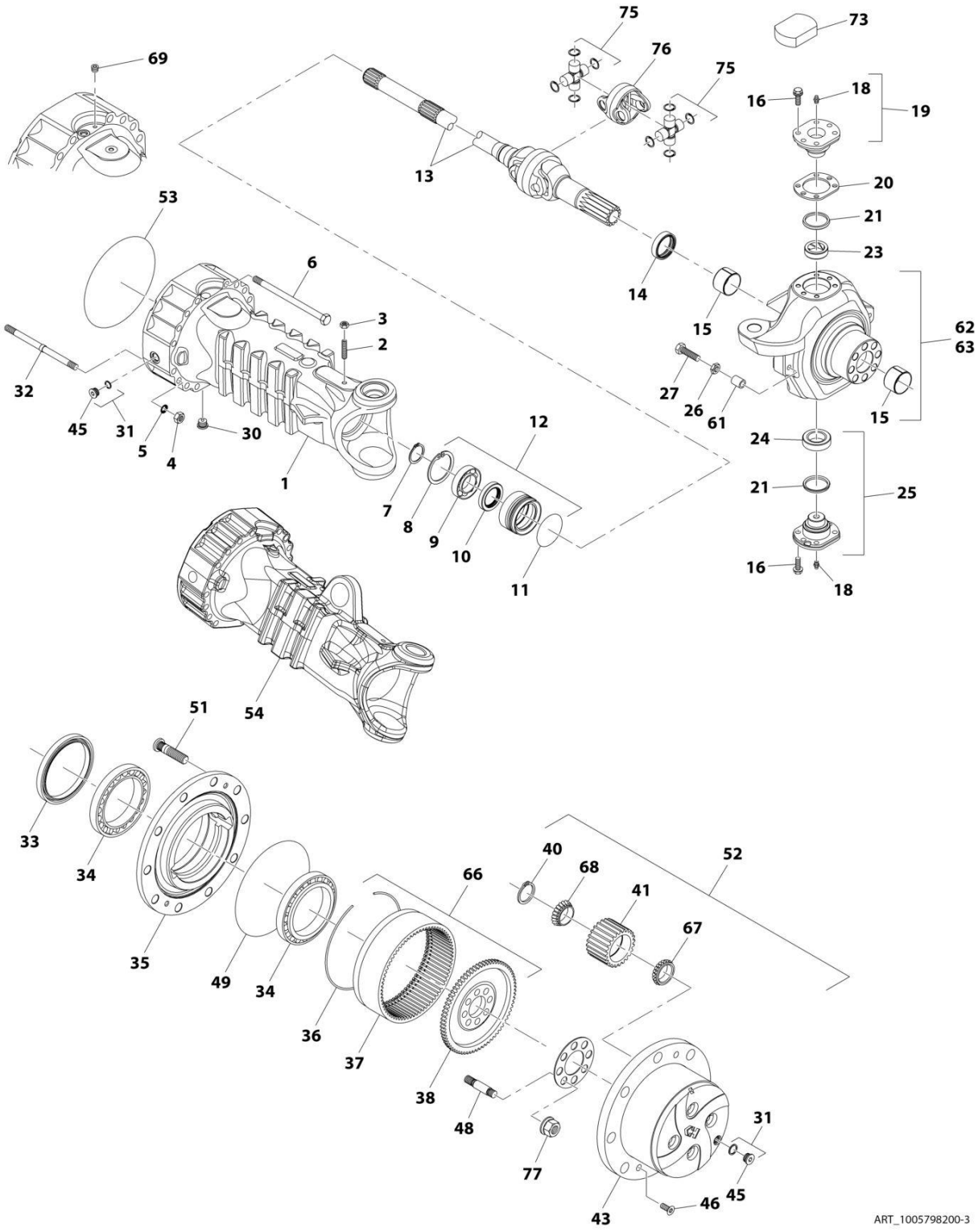


FIGURE 5-28. FRONT AXLE - HUB REDUCTION (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798200	Ref	FRONT AXLE, HUB REDUCTION	E
1	70029484	1	Axle Case	
2	91514081	2	Bolt	
3	91514082	2	Nut	
4	91514083	8	Nut	
5	91514084	8	Washer	
6	7029309	24	Bolt	
7	80204071	2	Circlip	
8	80204005	2	Circlip	
9	91514146	2	Ball Bearing	
10	91514147	2	Seal	
11	91514148	2	O-Ring	
12	91514149	2	Reduction Bushing	
13	70026066	2	Double Universal Joint	
14	70025857	2	Seal	
15	91514111	2	Thrust Bushing	
16	70025562	24	Bolt	
18	70024881	4	Grease Fitting	
19	70028890	2	Pivot Pin	
20	70025561	1	Shim Kit	
21	7028716	4	Dust Seal	
23	7028714	2	Bushing	
24	91514095	2	Bearing	
25	70028891	2	Pivot Pin	
26	80204065	4	Nut	
27	70028975	4	Bolt	
30	70028388	2	Plug	
31	91514188	2	Plug	
32	70024851	8	Stud	
33	70026002	2	Seal	
34	80204076	4	Tapered Roller Bearing	
35	91514174	2	Wheel Hub	
36	91514175	2	Circlip	
37	70024147	2	Ring Gear	
38	91514177	2	Ring Gear Support	
40	70028926	8	Snap Ring	
41	70028924	8	Planet Gear	
43	70029486	2	Planet Gear Carrier	
45	70028389	2	Plug	
46	91514189	4	Bolt, Countersunk	
48	91514180	16	Stud	
49	91514181	2	O-Ring	
51	91514183	20	Wheel Stud	
52	70029454	2	Planet Gear Carrier Assembly	
53	91514089	2	O-Ring	
54	70029544	1	Axle Case	
61	7029311	4	Spacer	
62	70029488	1	Steering Case Assembly (LF)	
63	70029489	1	Steering Case Assembly (RF)	
66	70024146	2	Ring Gear Support Kit	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
67	70028923	8	Tapered Roller Bearing	
68	70028922	8	Tapered Roller Bearing	
69	80204012	2	Plug	
73	70028392	2	Cover	
75	70023829	2	Joint Cross	
76	70023116	1	Center Body	
77	70029545	16	Nut	

FIGURE 5-29. FRONT AXLE - BRAKES (74HP) (Prior to SN 0160129180)

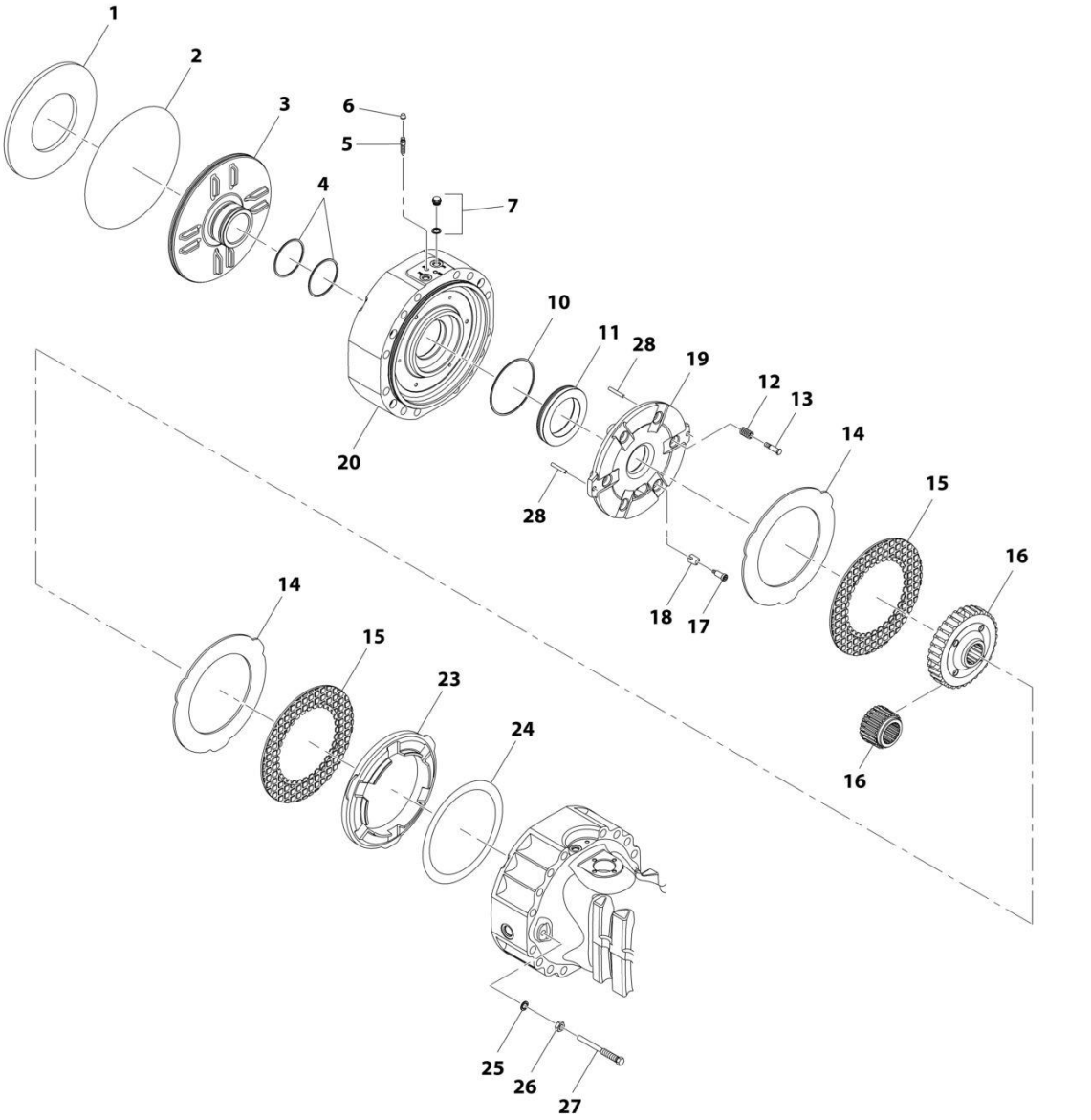


FIGURE 5-29. FRONT AXLE - BRAKES (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798200	Ref	FRONT AXLE, BRAKES	E
1	91514151	2	Belleville Washer	
2	91514089	2	O-Ring	
3	70027092	2	Piston	
4	70026262	4	Seal	
5	80204281	4	Bleeding Bolt	
6	80204117	4	Plug	
7	91514154	4	Bolt	
10	70026263	2	Seal	
11	70027796	2	Piston	
12	91514159	6	Spring	
13	70024210	6	Adjusting Bolt	
14	70027022	6	Intermediate Brake Disc	
15	7029735	6	Brake Disc	
16	7029734	2	Reduction Bushing	
17	7029787	6	Adjusting Bolt	
18	70027317	6	Spring	
19	70024849	2	Disc, Intermediate Brake	
20	70024848	2	Cover	
23	70026264	2	Spacer	
24	70025970	1	Shim	
25	80204108	4	Lockwasher	
26	80204060	4	Nut	
27	70024213	4	Bolt, M22 x 245/2	
28	70024215	4	Dowel	

FIGURE 5-30. FRONT AXLE - STEERING (74HP) (Prior to SN 0160129180)

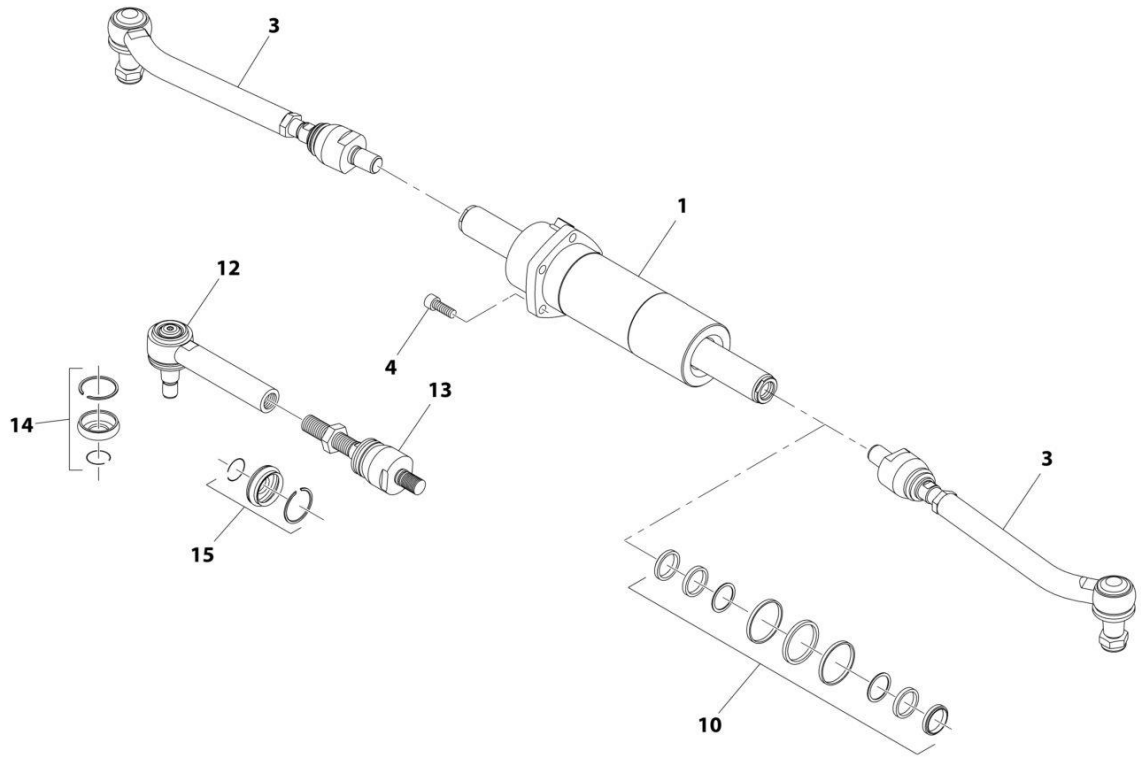
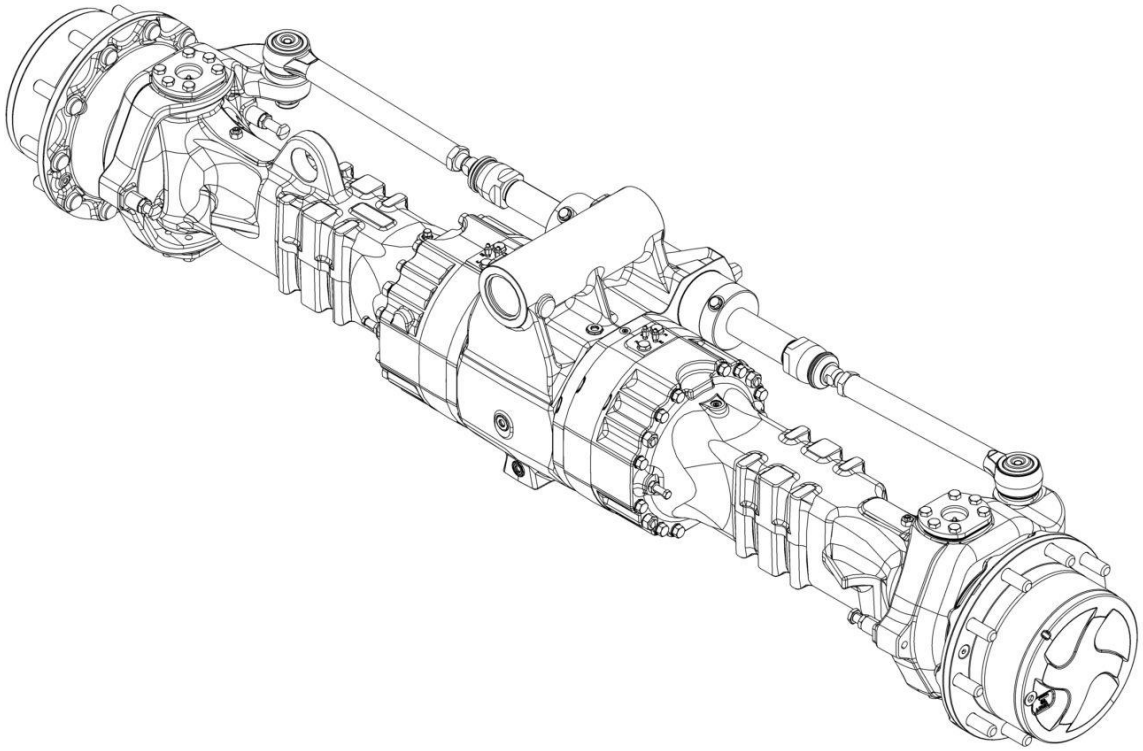


FIGURE 5-30. FRONT AXLE - STEERING (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798200	Ref	FRONT AXLE, STEERING	E
1	70028947	1	Cylinder	
3	70028948	2	Tie Rod	
4	80204144	5	Cylinder Bolt	
10	7029127	1	Seal Kit	
12	70028949	1	Joint, 90	
13	70028950	1	Axial Joint Shaft	
14	70028951	1	Rubber Boot and Locking Ring Kit	
15	70028952	1	Rubber Boot and Locking Ring Kit	

FIGURE 5-31. FRONT AXLE INSTALLATION (74HP) (SN 0160129296 to Present)



ART_1001288143

FIGURE 5-31. FRONT AXLE INSTALLATION (74HP) (SN 0160129296 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288143	Ref	FRONT AXLE, 74HP	A
	See Note	NSS	Note: No Service Parts Available at Time of Printing	

FIGURE 5-32. REAR AXLE INSTALLATION (74HP) (Prior to SN 0160129180)

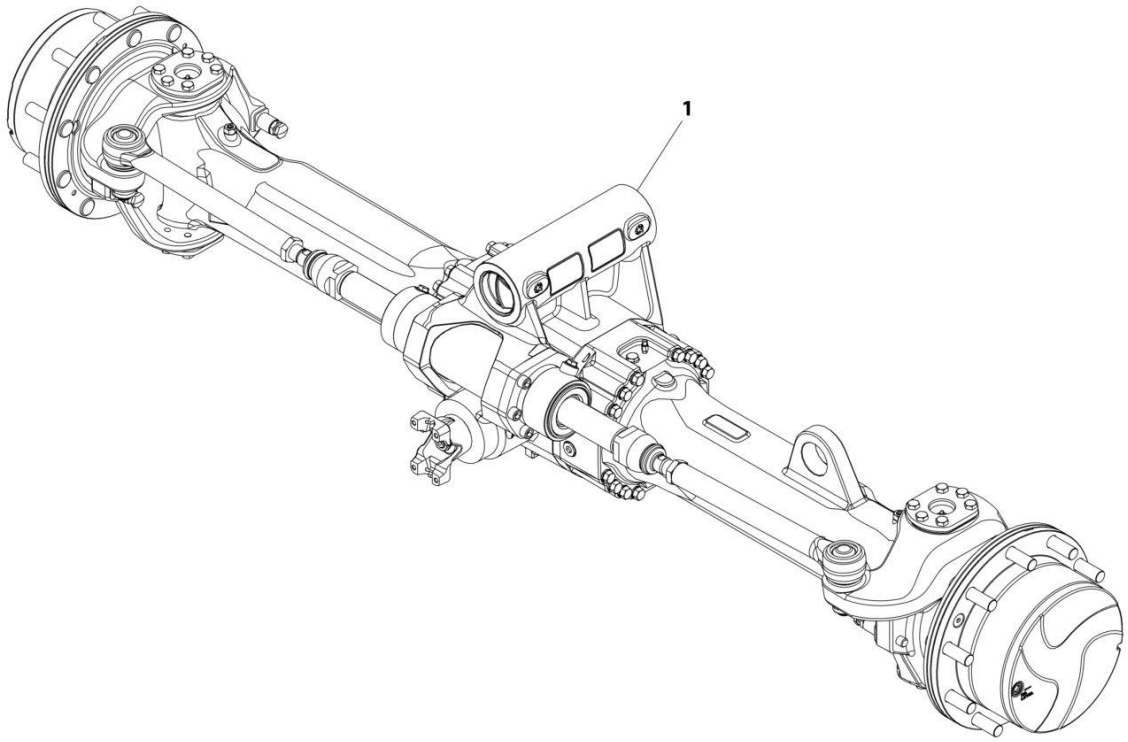


FIGURE 5-32. REAR AXLE INSTALLATION (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798300	Ref	Rear Axle Installation	D
		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)	

FIGURE 5-33. REAR AXLE - CENTRAL HOUSING (74HP) (Prior to SN 0160129180)

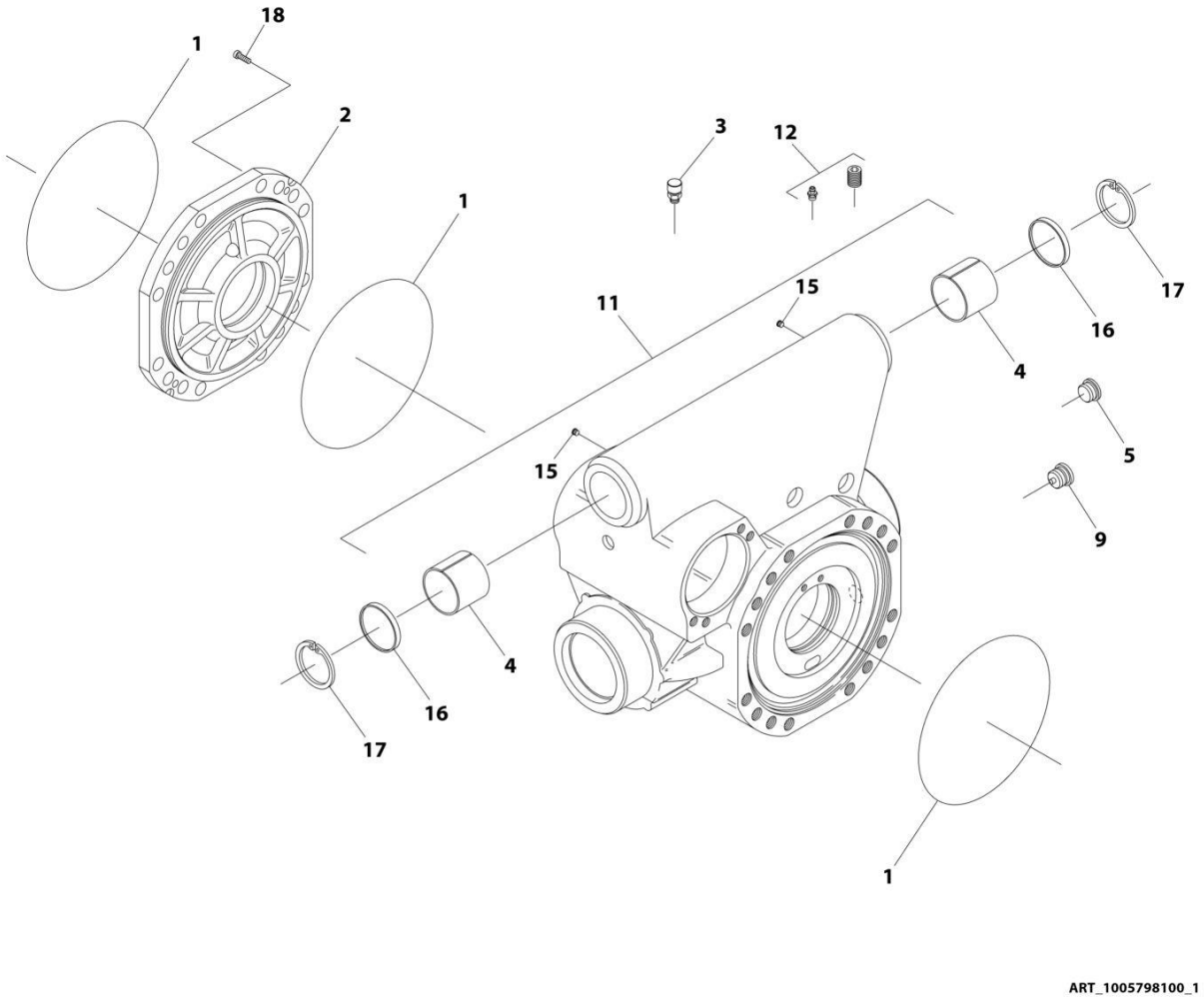


FIGURE 5-33. REAR AXLE - CENTRAL HOUSING (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798300	Ref	REAR AXLE, CENTRAL HOUSING	D
1	91474507	3	O-Ring	
2	70024519	1	Cover	
3	91474512	1	Vent	
4	70028886	2	Thrust Bushing	
5	91514188	1	Plug	
9	7028706	1	Magnet Plug	
11	N.S.S.	1	Housing	
12	70024881	2	Fitting, Grease	
15	70028938	2	Plug	
16	70028974	2	Seal	
17	70028939	2	Ring	
18	91474591	4	Bolt	

FIGURE 5-34. REAR AXLE - DIFFERENTIAL (74HP) (Prior to SN 0160129180)

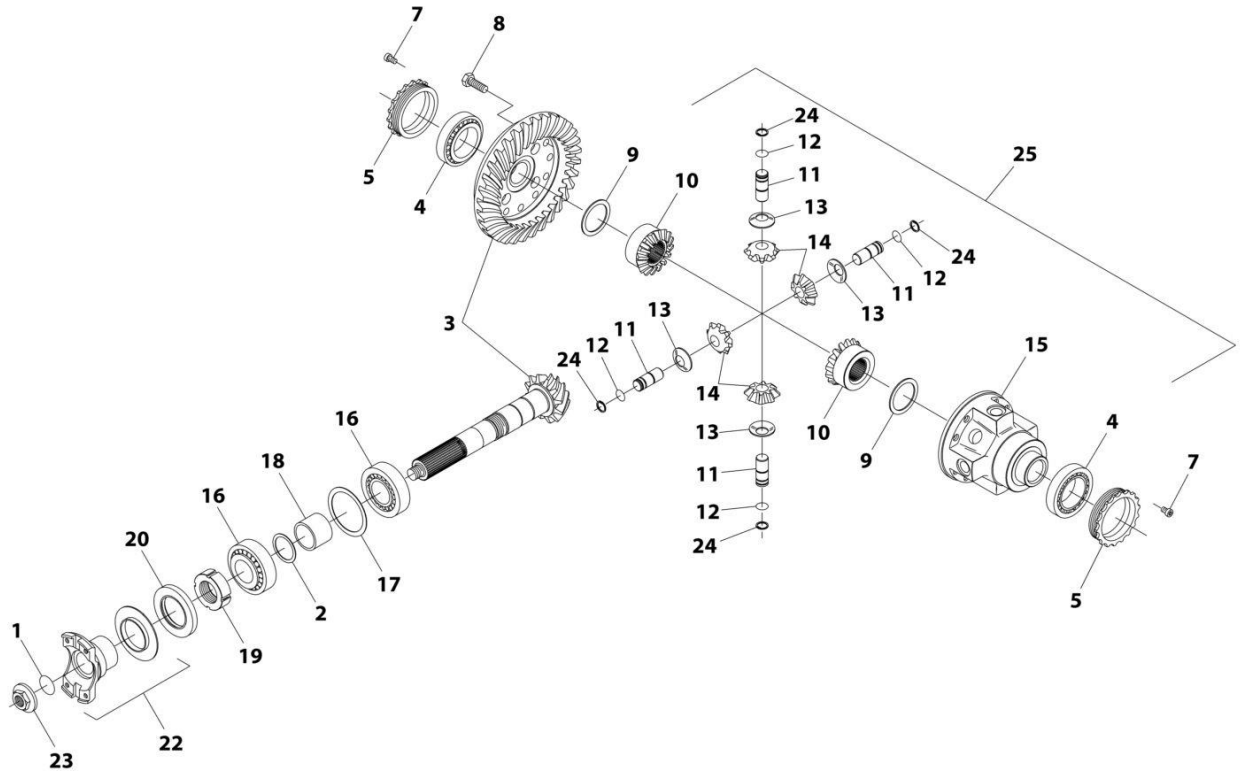


FIGURE 5-34. REAR AXLE - DIFFERENTIAL (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798300	Ref	REAR AXLE, DIFFERENTIAL	D
1	91474529	1	O-Ring	
2	70025556	1	Shim Kit	
3	70026139	1	Bevel Gear Set	
4	70028471	2	Bearing, Taper Roller	
5	91474547	2	Nut, Ring	
7	91514134	2	Bolt	
8	70025562	12	Bolt	
9	91474593	2	Washer, Friction	
10	70025569	2	Gear, Differential Side	
11	7029131	4	Pin	
12	91474551	4	Circlip	
13	91474553	4	Washer, Friction	
14	70025570	4	Pinion, Differential	
15	91474595	1	Carrier, Differential	
16	3968141	2	Bearing, Taper Roller	
17	70025555	1	Shim Kit	
18	91474539	1	Spacer	
19	91474533	1	Nut, Ring	
20	70024522	1	Seal	
22	70022797	1	Flange	
23	70026631	1	Nut	
24	91474550	4	Circlip	
25	70021140	1	Kit, Differential (Includes Items 9-15 & 24)	

FIGURE 5-35. REAR AXLE - HUB REDUCTION (74HP) (Prior to SN 0160129180)

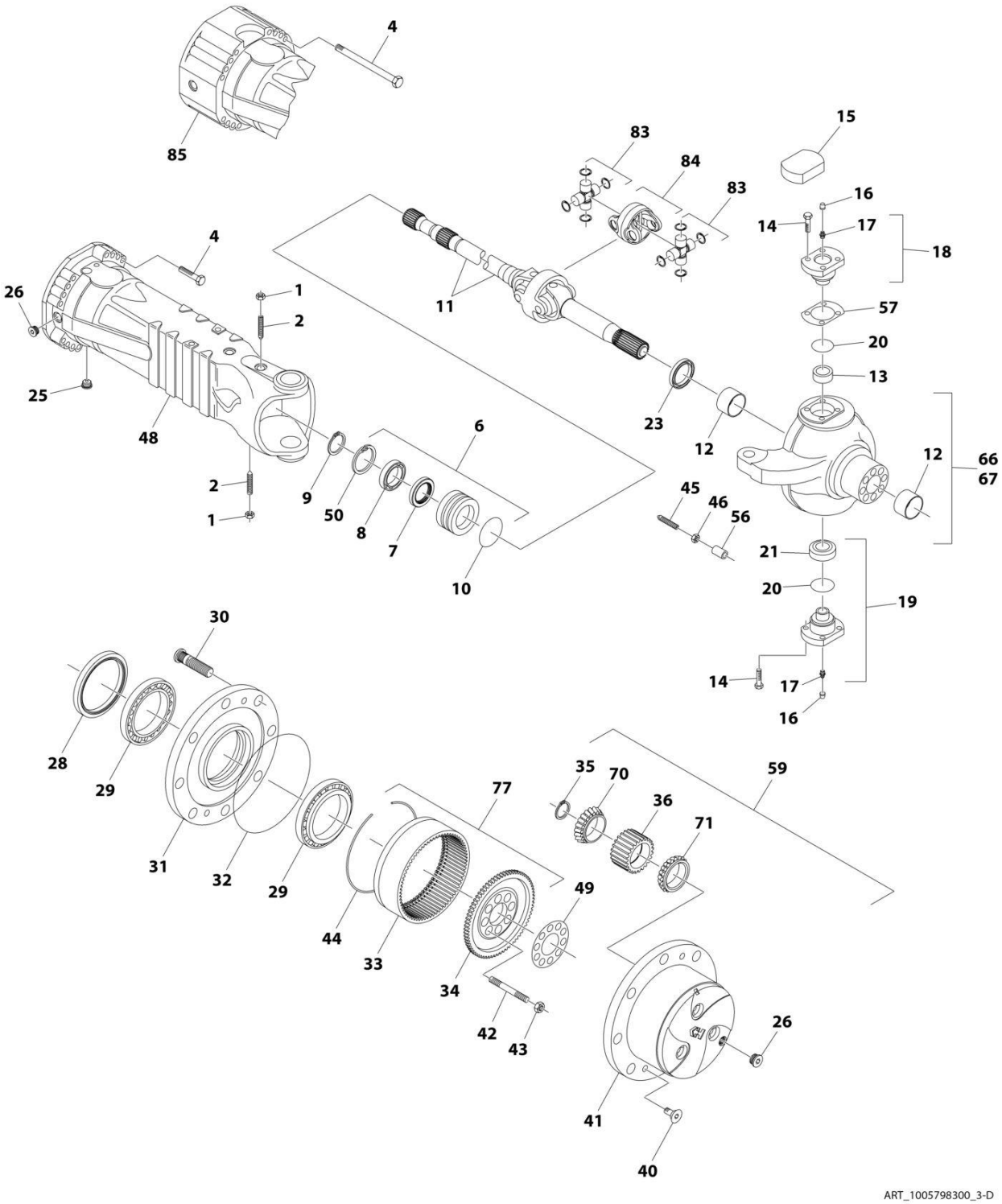


FIGURE 5-35. REAR AXLE - HUB REDUCTION (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798300	Ref	REAR AXLE, HUB REDUCTION	D
1	91514082	2	Nut	
2	91514081	2	Bolt	
4	70022799	32	Bolt	
6	91514149	2	Reduction Bushing (Includes Items 7, 8, 10 & 50)	
7	91514147	2	Seal	
8	91514146	2	Ball Bearing	
9	80204071	2	Circlip	
10	91514148	2	O-Ring	
11	70026803	2	Joint & Shaft, Double Universal	
12	91514111	2	Bushing, Thrust	
13	7028714	2	Bushing	
14	70025562	24	Bolt	
15	70028392	2	Cover	
16	80204117	2	Plug	
17	70024881	4	Fitting, Grease	
18	70028890	2	Pivot Pin	
19	70028891	2	Pivot Pin	
20	7028716	4	Seal, Dust	
21	91514095	2	Bearing	
23	70026238	2	Seal	
25	7028706	4	Plug, Magnet	
26	91514188	2	Plug	
28	7028721	2	Seal	
29	91474576	4	Bearing	
30	91514183	20	Wheel Stud	
31	7028722	2	Wheel Hub	
32	91514181	2	O-Ring	
33	70029546	2	Gear, Ring	
34	70026812	2	Support, Ring Gear	
35	70028925	3	Circlip	
36	70028941	6	Differential Pinion	
40	91514189	4	Bolt, Countersunk	
41	N.S.S.	1	Planet Gear Carrier (Use Item 59)	
42	70027315	16	Stud	
43	91474584	16	Nut	
44	91514175	2	Circlip	
45	70028975	4	Bolt	
46	80204065	4	Nut	
48	70028976	1	Case, Axle	
49	70026622	2	Plate, Locking	
50	80204005	2	Circlip	
56	7029311	2	Spacer	
57	70025561	1	Kit, Shim	
59	70028881	2	Kit, Planet Gear	
66	70029471	1	Steering Case (LR)	
67	70029472	1	Steering Case (RR)	
70	7028731	6	Bearing	
71	7028732	6	Bearing	
77	70029547	1	Gear Ring Kit	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
83	70028943	2	Cross Joint	
84	70028944	1	Center Section Joint	
85	70028977	1	Case, Axle	

FIGURE 5-36. REAR AXLE - BRAKES (74HP) (Prior to SN 0160129180)

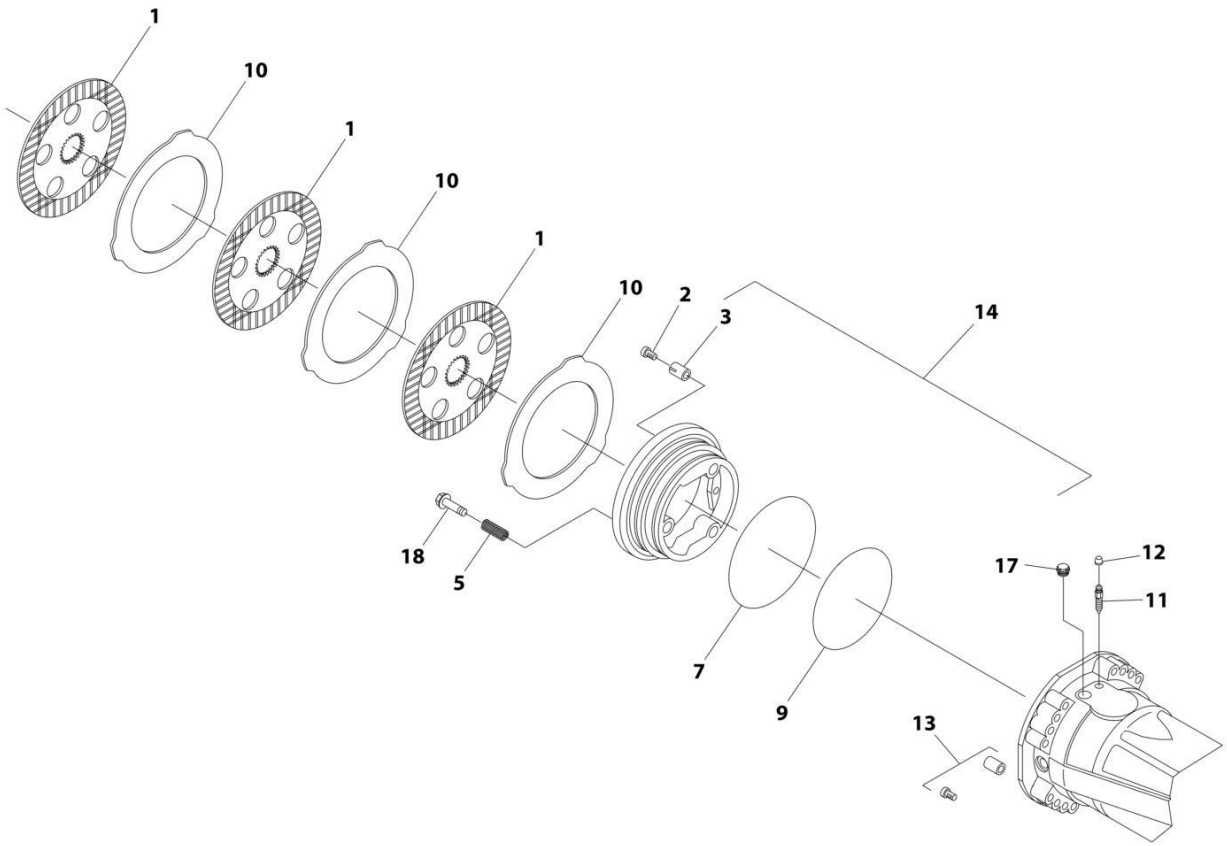


FIGURE 5-36. REAR AXLE - BRAKES (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798300	Ref	REAR AXLES, BRAKES	D
1	91474568	8	Disc	
2	7029786	6	Adjusting Bolt	
3	70027317	6	Spring	
5	91514159	6	Spring	
7	70025821	2	O-Ring	
9	70025822	2	O-Ring	
10	70025823	10	Disc, Intermediate Brake	
11	80204281	2	Bolt, Bleeding	
12	80204117	2	Plug	
13	70021613	2	Bolt	
14	70027772	2	Piston	
17	91514154	2	Bolt	
18	70024210	6	Bolt	

FIGURE 5-37. REAR AXLE - STEERING (74HP) (Prior to SN 0160129180)

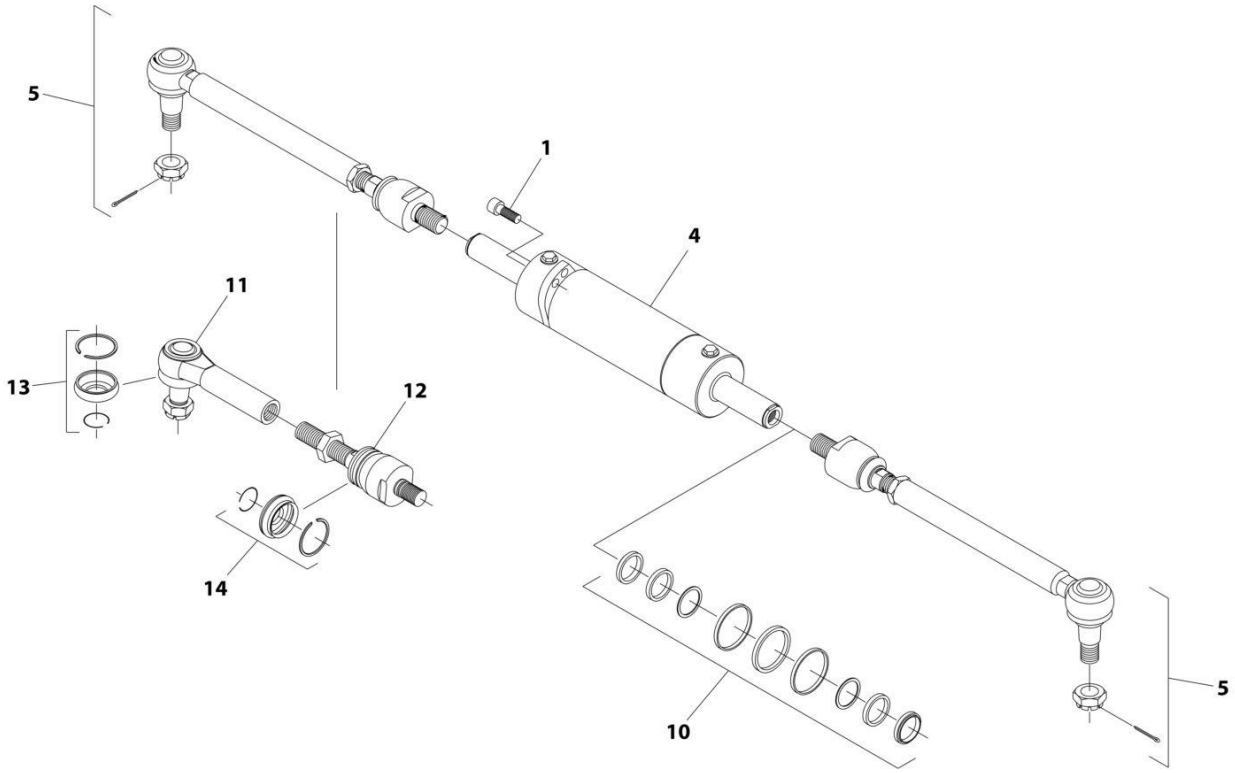
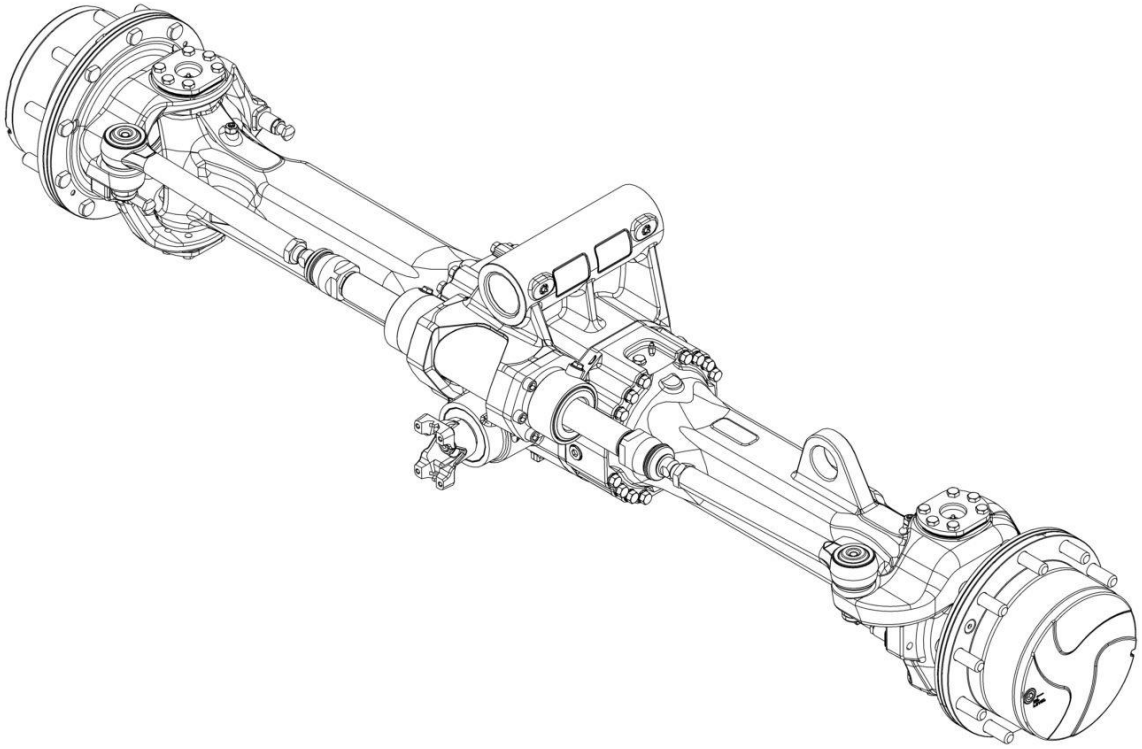


FIGURE 5-37. REAR AXLE - STEERING (74HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798300	Ref	REAR AXLE, STEERING	D
1	80204144	5	Bolt	
4	70028947	1	Cylinder	
5	70028948	2	Tie Rod	
10	7029127	1	Kit, Seal	
11	70028949	1	Joint, 90	
12	70028950	1	Axial Joint Shaft	
13	70028951	1	Rubber Boot and Locking Ring Kit	
14	70028952	1	Rubber Boot and Locking Ring Kit	

FIGURE 5-38. REAR AXLE INSTALLATION (74HP) (SN 0160129296 to Present)

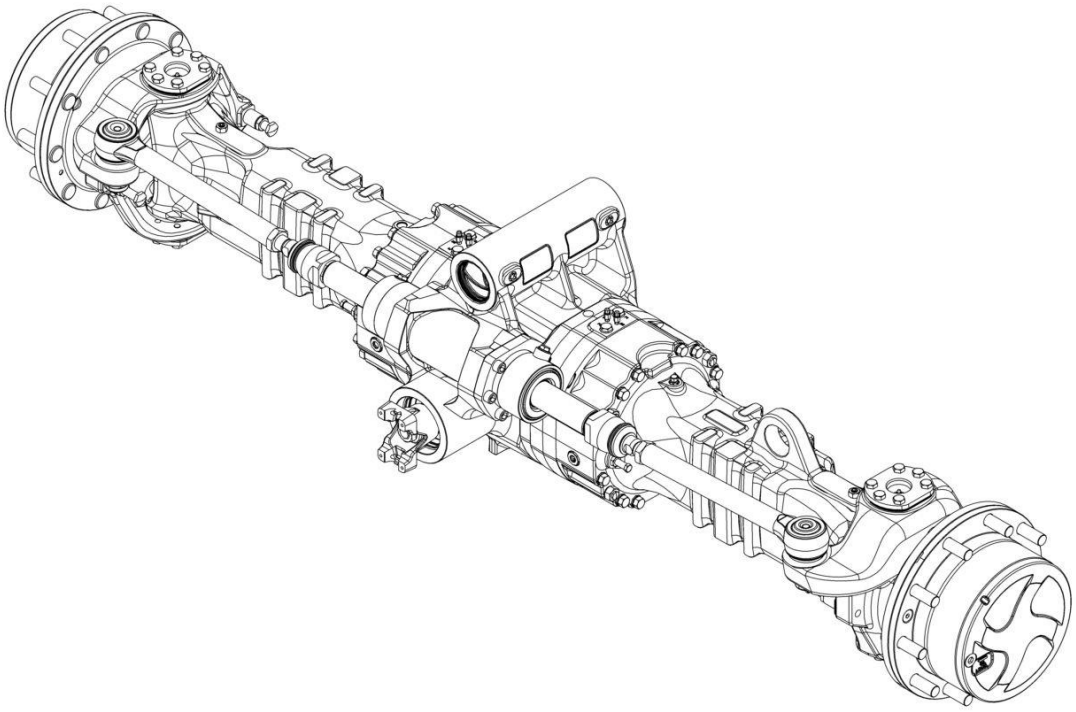


ART_1001288137

FIGURE 5-38. REAR AXLE INSTALLATION (74HP) (SN 0160129296 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288137	Ref	REAR AXLE, 74HP	A
	See Note	NSS	Note: No Service Parts Available at Time of Printing	

FIGURE 5-39. FRONT AXLE INSTALLATION (110HP) (Prior to SN 0160129180)



ART_1001220490

FIGURE 5-39. FRONT AXLE INSTALLATION (110HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220490	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)	

FIGURE 5-40. FRONT AXLE - CENTRAL HOUSING (110HP) (Prior to SN 0160129180)

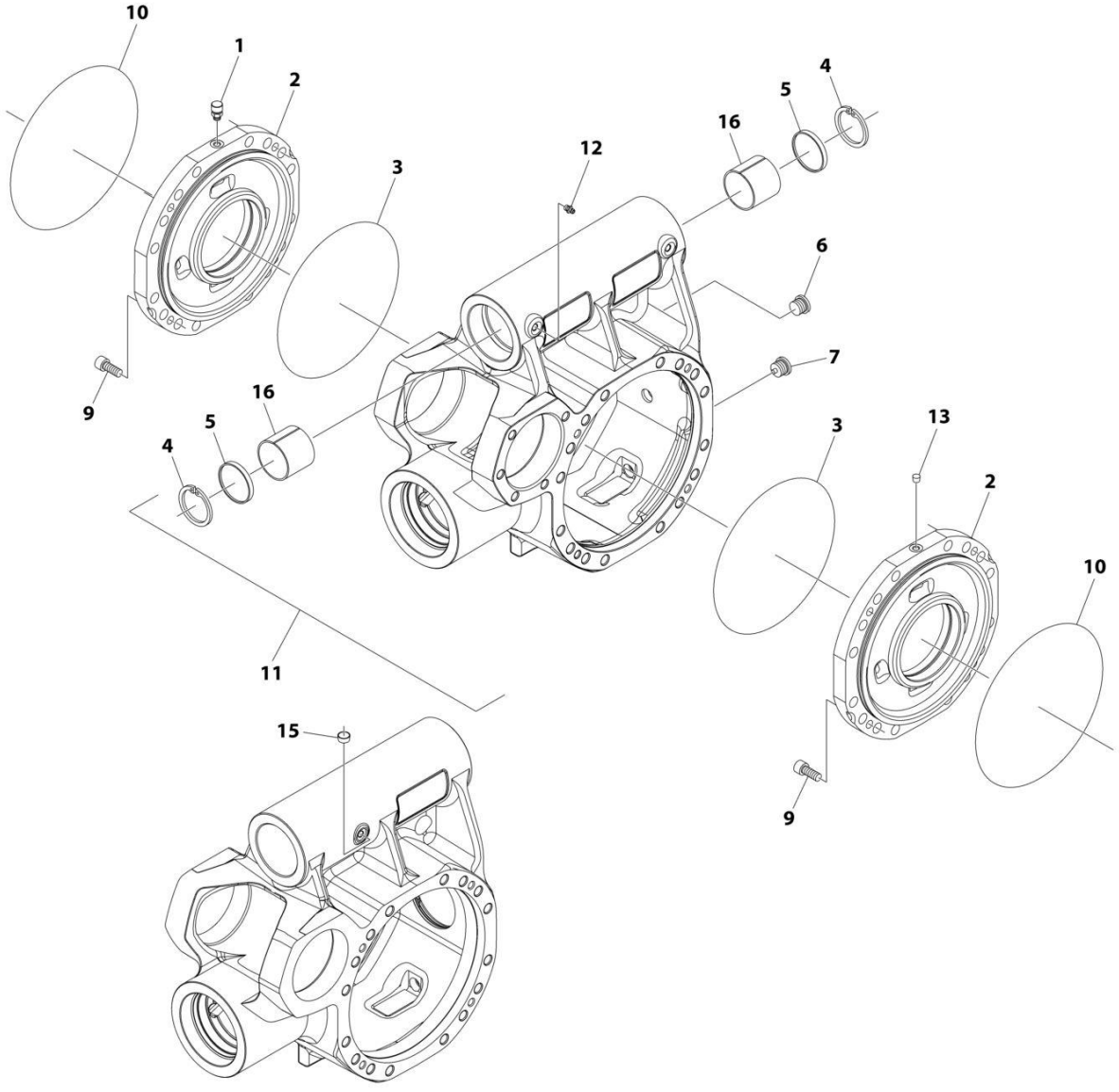


FIGURE 5-40. FRONT AXLE - CENTRAL HOUSING (110HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220490	Ref	FRONT AXLE, CENTRAL HOUSING	F
1	91474512	1	Vent	
2	7029288	2	Intermediate Cover	
3	80204002	2	O-Ring	
4	70028939	2	Ring	
5	70028974	2	Seal	
6	70028389	1	Plug	
7	70028388	1	Plug	
9	91514101	8	Bolt	
10	91514089	2	O-Ring	
11	70029482	1	Housing	
12	70024881	2	Grease Fitting	
13	80204012	1	Plug	
15	70028938	1	Plug	
16	70028886	2	Thrust Bushing	

FIGURE 5-41. FRONT AXLE - DIFFERENTIAL (110HP) (Prior to SN 0160129180)

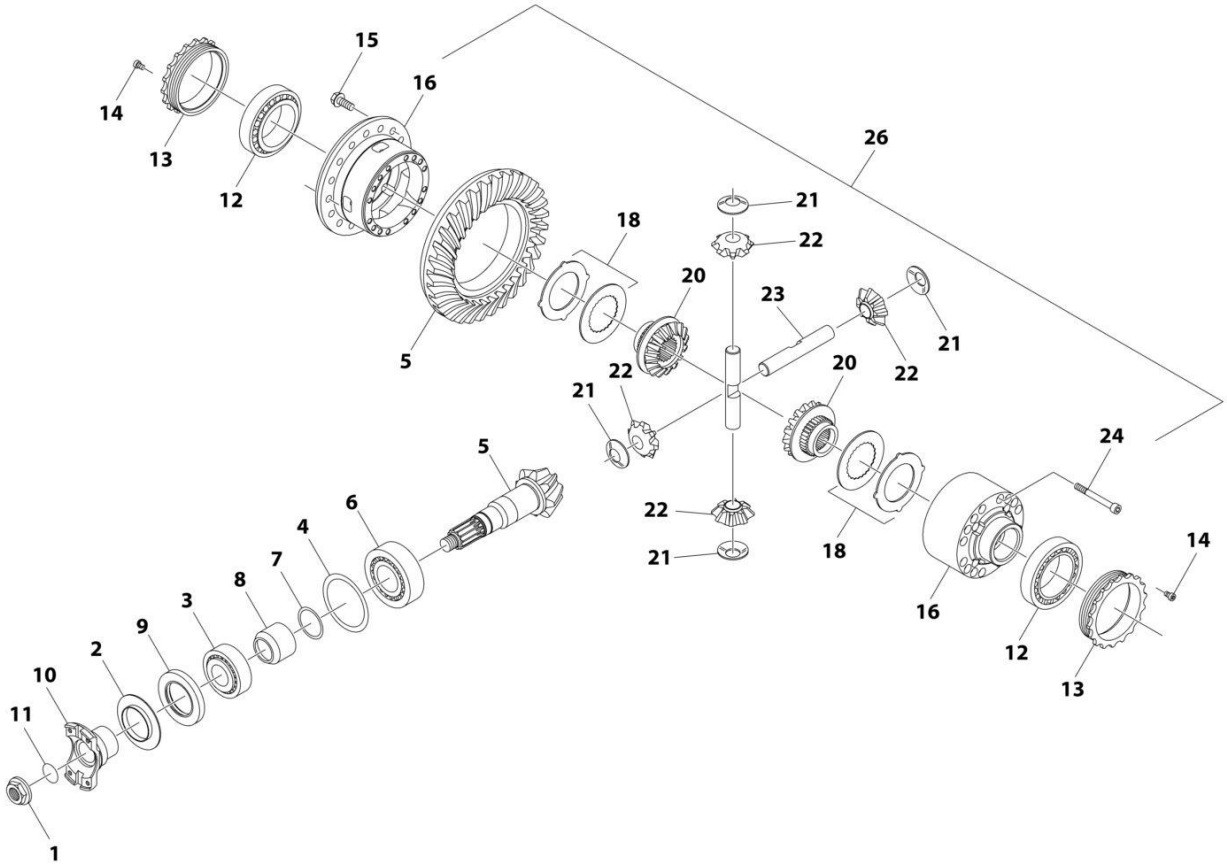


FIGURE 5-41. FRONT AXLE - DIFFERENTIAL (110HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220490	Ref	FRONT AXLE, DIFFERENTIAL	F
1	80204043	1	Nut	
2	91514130	1	Cover Plate	
3	80204048	1	Taper Roller Bearing	
4	70029483	1	Shim Kit	
5	70026255	1	Bevel Gear Set	
6	80204035	1	Taper Roller Bearing	
7	70023494	1	Ring	
8	70022140	1	Spacer	
9	70025887	1	Seal	
10	91514131	1	Flange	
11	10725554	1	O-Ring	
12	80204033	2	Taper Roller Bearing	
13	91514133	2	Ring Nut	
14	91514134	2	Bolt	
15	70025562	16	Bolt	
16	70024004	1	Differential Carrier	
18	70026750	2	Clutch Disc	
20	70025856	2	Gear, Differential Side	
21	70027105	4	Friction Washer	
22	70025339	4	Differential Pinion	
23	70023490	2	Differential Shaft	
24	91514143	15	Bolt	
26	70028390	1	Differential	

FIGURE 5-42. FRONT AXLE - HUB REDUCTION (110HP) (Prior to SN 0160129180)

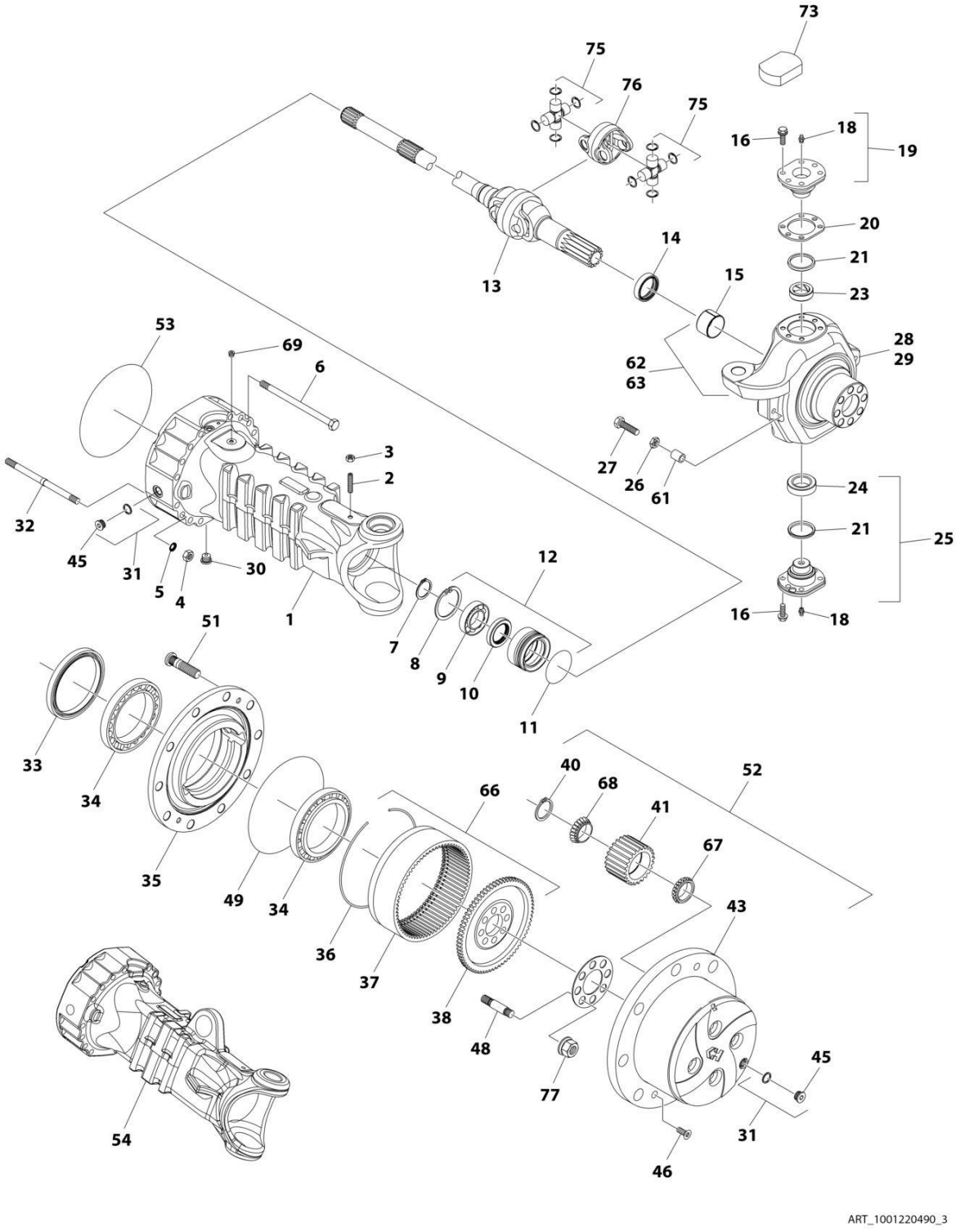


FIGURE 5-42. FRONT AXLE - HUB REDUCTION (110HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220490	Ref	FRONT AXLE, HUB REDUCTION	F
1	70029484	1	Axle Case	
2	91514081	2	Bolt	
3	91514082	2	Nut	
4	91514083	8	Nut	
5	91514084	8	Washer	
6	7029309	24	Bolt	
7	80204071	2	Circlip	
8	80204005	2	Circlip	
9	91514146	2	Ball Bearing	
10	91514147	2	Seal	
11	91514148	2	O-Ring	
12	91514149	2	Reduction Bushing	
13	70026066	2	Double Universal Joint	
14	70025857	2	Seal	
15	91514111	2	Thrust Bushing	
16	70025562	24	Bolt	
18	70024881	4	Grease Fitting	
19	70028890	2	Pivot Pin	
20	70025561	1	Shim Kit	
21	7028716	4	Dust Seal	
23	7028714	2	Bushing	
24	91514095	2	Bearing	
25	70028891	2	Pivot Pin	
26	80204065	4	Nut	
27	70028975	4	Bolt	
28	N.S.S.	1	Steering Case (RF, LR)	
29	N.S.S.	1	Steering Case (LF, RR)	
30	70028388	2	Plug	
31	91514188	2	Plug With Sealing Washer	
32	70024851	8	Stud	
33	70026002	2	Seal	
34	80204076	4	Tapered Roller Bearing	
35	91514174	2	Wheel Hub	
36	91514175	2	Circlip	
37	70024147	2	Ring Gear	
38	91514177	2	Ring Gear Support	
40	70028926	8	Snap Ring	
41	70028924	8	Differential Pinion	
43	70029486	2	Planet Gear Carrier	
45	70028389	2	Plug	
46	91514189	4	Bolt, Countersunk	
48	91514180	16	Stud	
49	91514181	2	O-Ring	
51	91514183	20	Wheel Stud	
52	70029454	2	Planet Gear Carrier Assembly	
53	91514089	2	O-Ring	
54	70028892	1	Axle Case	
61	7029311	4	Spacer	
62	70029489	1	Steering Case Assembly (RF, LR) (includes items 15 & 28)	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
63	70029488	1	Steering Case Assembly (LF, RR) (includes items 15 & 29)	
66	70024146	2	Ring Gear Support Kit (includes items 36 thru 38)	
67	70028923	8	Tapered Roller Bearing	
68	70028922	8	Tapered Roller Bearing	
69	80204012	2	Plug	
73	70028392	2	Cover	
75	70023829	2	Joint Cross	
76	70023116	1	Center Body	
77	70029545	16	Nut	

FIGURE 5-43. FRONT AXLE - BRAKES (110HP) (Prior to SN 0160129180)

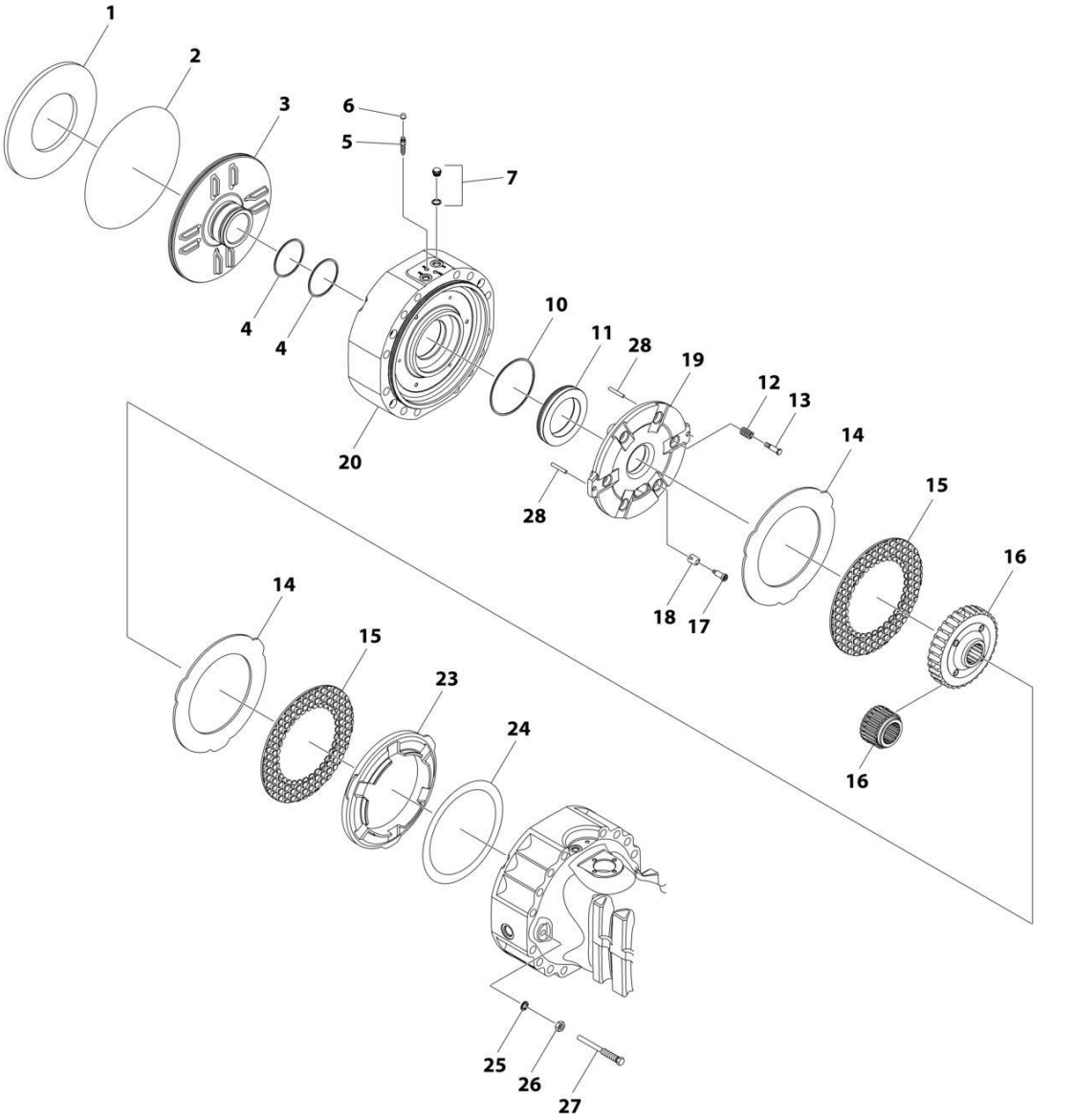


FIGURE 5-43. FRONT AXLE - BRAKES (110HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220490	Ref	FRONT AXLE, BRAKES	F
1	91514151	2	Belleville Washer	
2	91514089	2	O-Ring	
3	70027092	2	Piston	
4	70026262	4	Seal	
5	10725627	4	Bleeding Bolt	
6	80204117	4	Plug	
7	91514154	4	Plug With Seal	
10	70026263	2	O-Ring	
11	70027796	2	Piston	
12	91514159	6	Spring	
13	70024210	6	Adjusting Bolt	
14	70027022	6	Intermediate Brake Disc	
15	7029735	6	Brake Disc	
16	7029734	2	Reduction Bushing	
17	7029787	6	Adjusting Bolt	
18	70027317	6	Spring	
19	70024849	2	Disc, Intermediate Brake	
20	70024848	2	Cover	
23	70026264	2	Spacer	
24	70025970	1	Shim	
25	80204108	4	Lockwasher	
26	80204060	4	Nut	
27	70024213	4	Bolt	
28	70024215	4	Dowel	

FIGURE 5-44. FRONT AXLE - STEERING (110HP) (Prior to SN 0160129180)

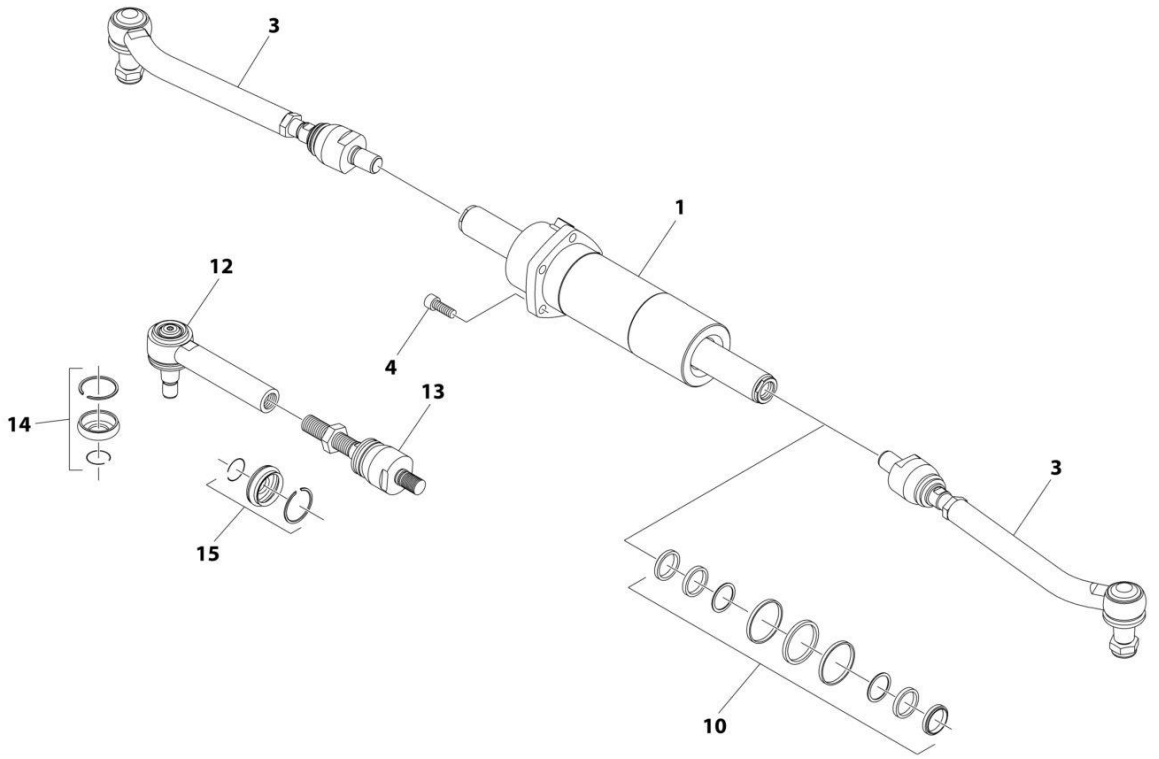
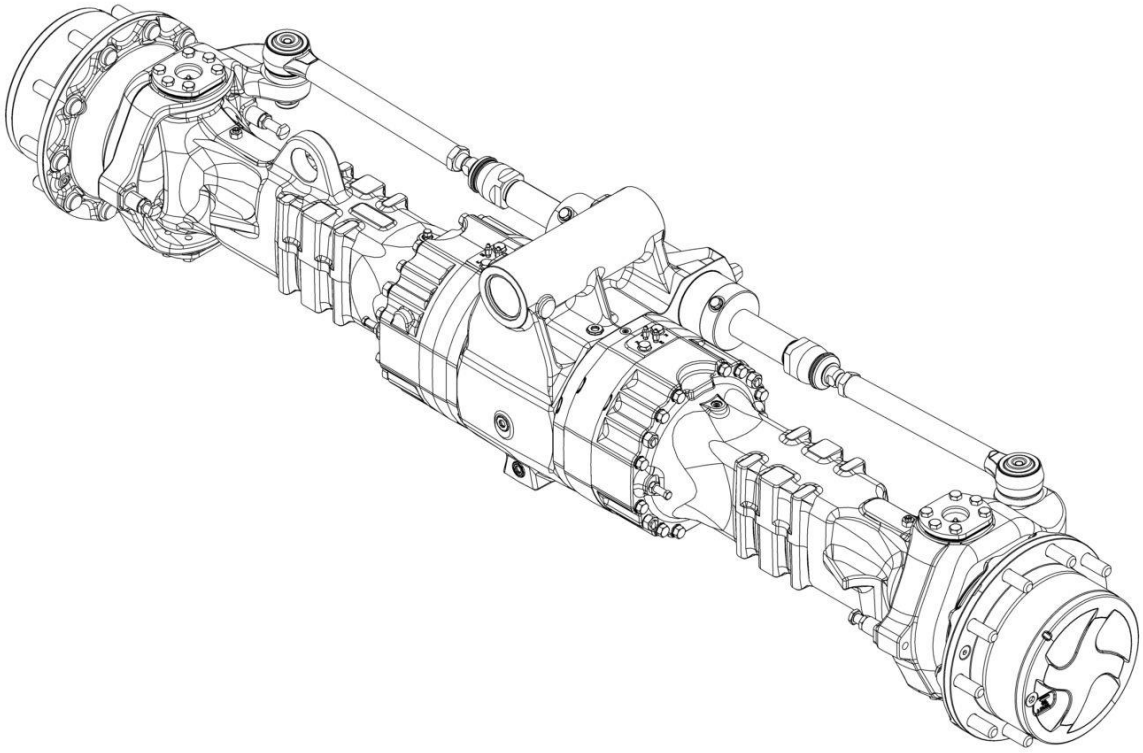


FIGURE 5-44. FRONT AXLE - STEERING (110HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220490	Ref	FRONT AXLE, STEERING	F
1	70028947	1	Cylinder	
3	70028948	2	Tie Rod	
4	80204144	5	Cylinder Bolt	
10	7029127	1	Seal Kit	
12	70028949	1	Joint, 90	
13	70028950	1	Axial Joint Shaft	
14	70028951	1	Rubber Boot and Locking Ring Kit	
15	70028952	1	Rubber Boot and Locking Ring Kit	

FIGURE 5-45. FRONT AXLE INSTALLATION (110HP) (SN 0160129296 to Present)

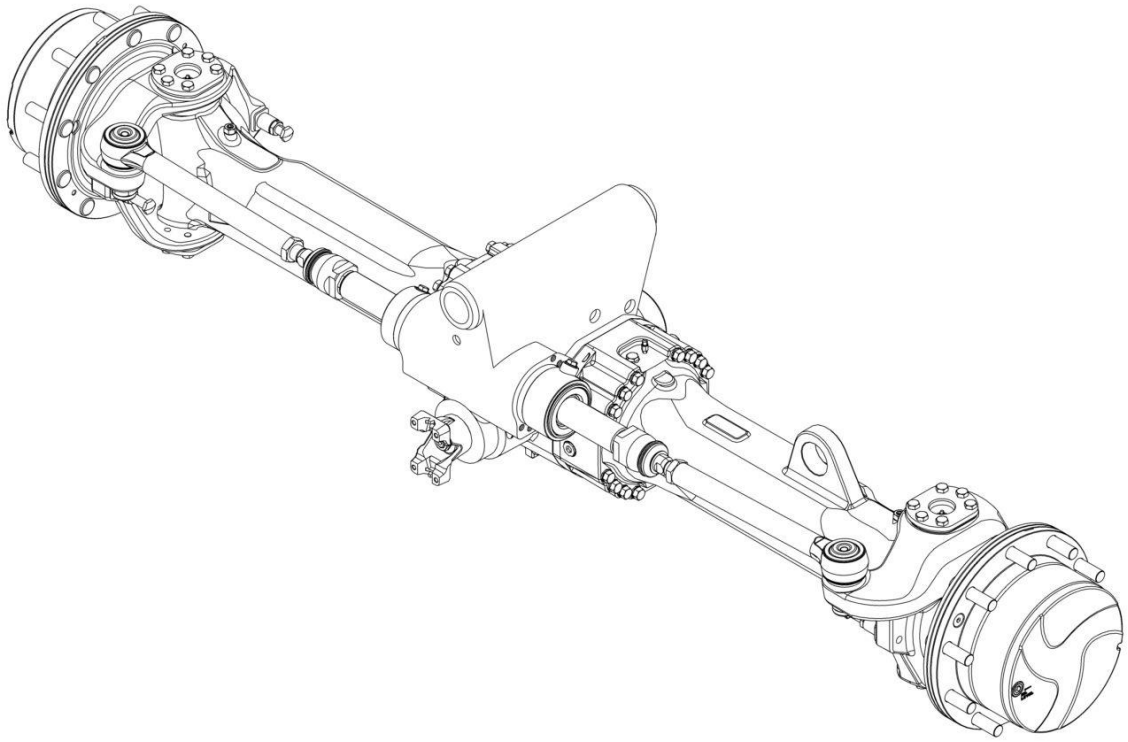


ART_1001288142

FIGURE 5-45. FRONT AXLE INSTALLATION (110HP) (SN 0160129296 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288142	Ref	FRONT AXLE, 110HP	A
	See Note	NSS	Note: No Service Parts Available at Time of Printing	

FIGURE 5-46. REAR AXLE INSTALLATION (110HP) (Prior to SN 0160129180)



ART_1001220491

FIGURE 5-46. REAR AXLE INSTALLATION (110HP) (Prior to SN 0160129180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220491	Ref	Rear Axle Installation	E
		Ref	Rear Axle, Central Housing (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Differential (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Hub Reduction (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Brakes (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Steering (See Separate Breakdown in this Section)	

FIGURE 5-47. REAR AXLE - CENTRAL HOUSING (110HP)

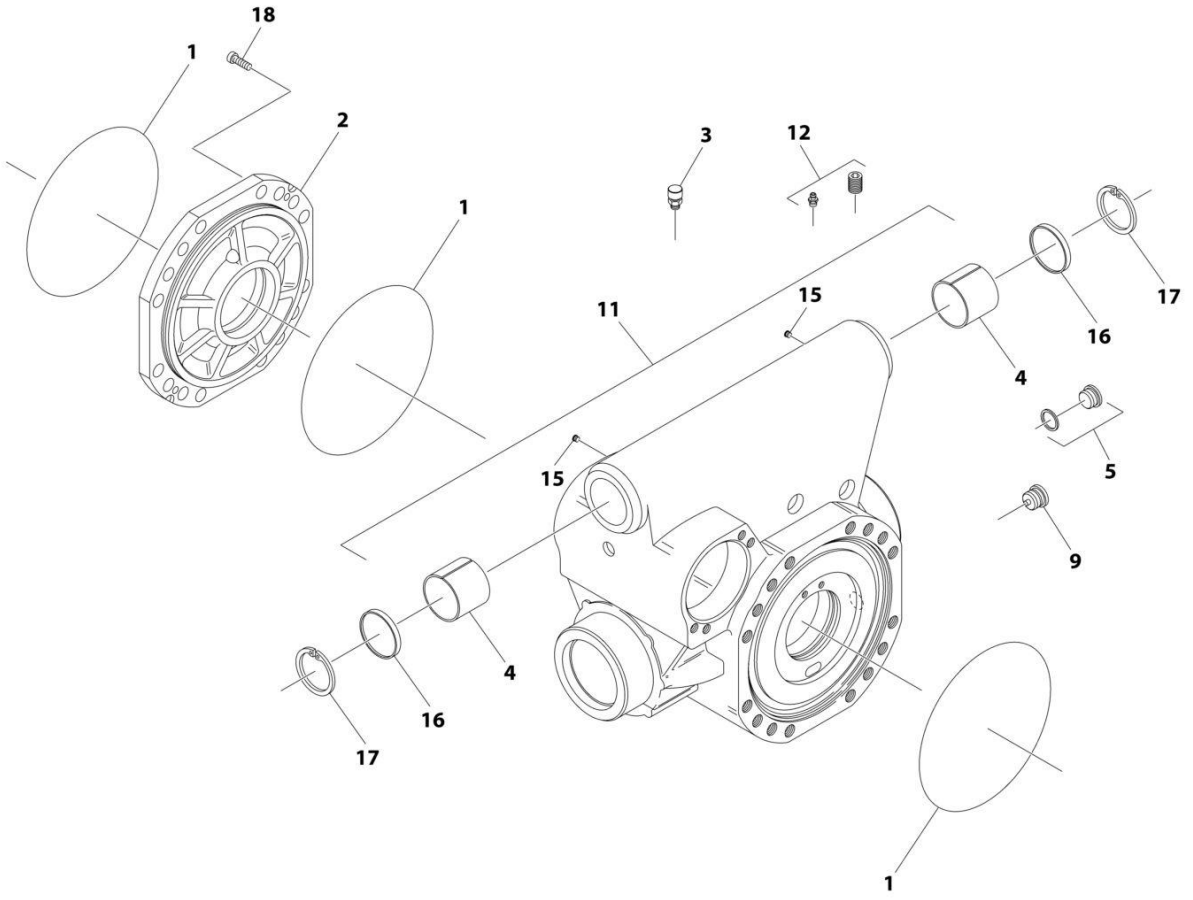


FIGURE 5-47. REAR AXLE - CENTRAL HOUSING (110HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220491	Ref	REAR AXLE, CENTRAL HOUSING	E
1	91474507	3	O-Ring	
2	70024519	1	Cover	
3	91474512	1	Vent	
4	70028886	2	Thrust Bushing	
5	91514188	1	Plug With Seal Washer	
9	7028706	1	Magnet Plug	
11	N.S.S.	1	Housing	
12	70024881	2	Fitting, Grease	
15	70028938	2	Plug	
16	70028974	2	Seal	
17	70028939	2	Ring	
18	91474591	4	Bolt	

FIGURE 5-48. FRONT AXLE - DIFFERENTIAL (110HP)

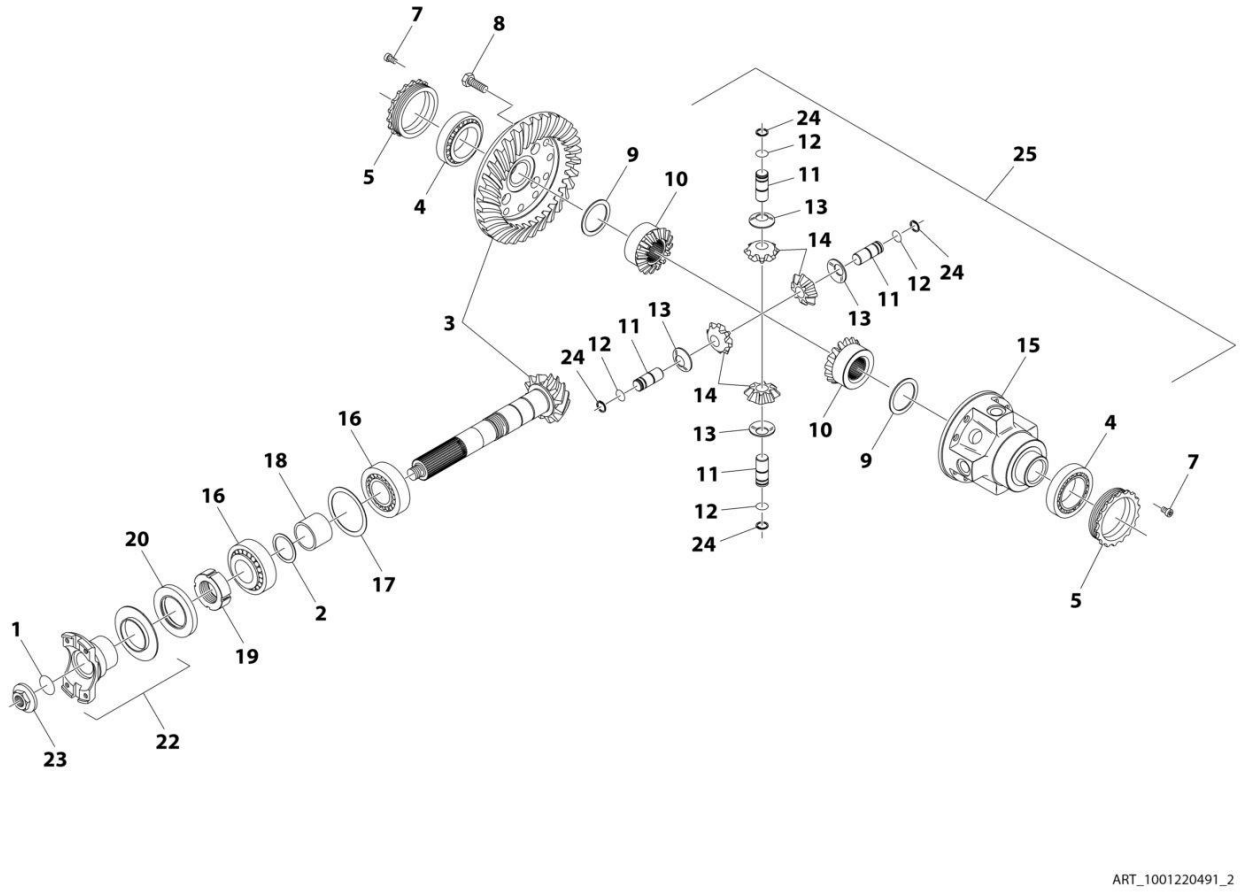


FIGURE 5-48. FRONT AXLE - DIFFERENTIAL (110HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220491	Ref	REAR AXLE, DIFFERENTIAL	E
1	91474529	1	O-Ring	
2	70025556	1	Shim Kit	
3	70028997	1	Bevel Gear Set	
4	70028471	2	Bearing, Taper Roller	
5	91474547	2	Nut, Ring	
7	91514134	2	Bolt	
8	70025562	12	Bolt	
9	91474593	2	Washer, Friction	
10	70025569	2	Gear, Differential Side	
11	7029131	4	Pin	
12	91474551	4	Circlip	
13	91474553	4	Washer, Friction	
14	70025570	4	Pinion, Differential	
15	91474595	1	Carrier, Differential	
16	3968141	2	Bearing, Taper Roller	
17	70025555	1	Shim Kit	
18	91474539	1	Spacer	
19	91474533	1	Nut, Ring	
20	70024522	1	Seal	
22	70022797	1	Flange	
23	70026631	1	Nut	
24	91474550	4	Circlip	
25	70021140	1	Kit, Differential (includes items 9 thru 15 & 24)	

FIGURE 5-49. REAR AXLE - HUB REDUCTION (110HP)

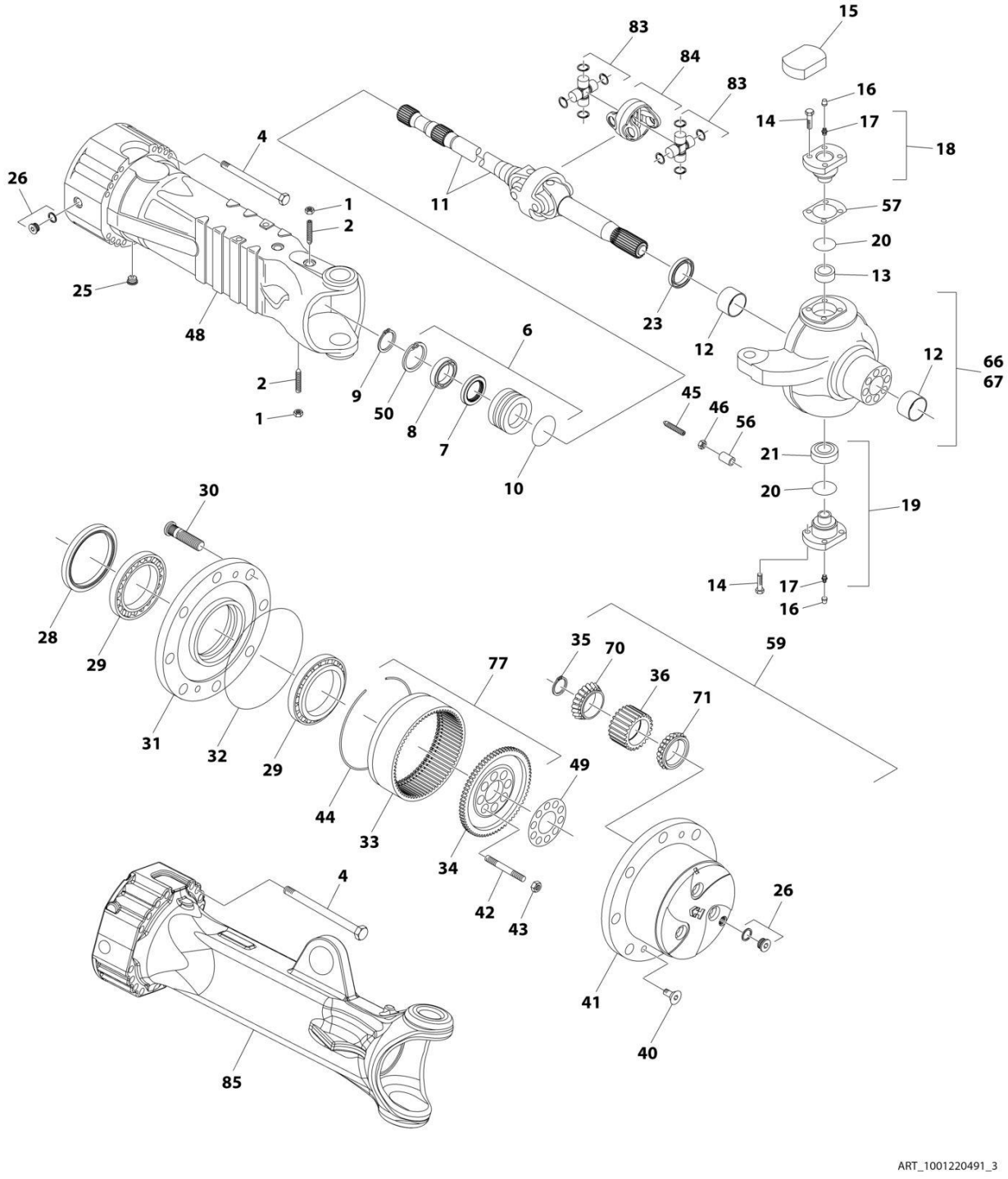


FIGURE 5-49. REAR AXLE - HUB REDUCTION (110HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220491	Ref	REAR AXLE, HUB REDUCTION	E
1	91514082	2	Nut	
2	91514081	2	Bolt	
4	70022799	32	Bolt	
6	91514149	2	Kit, Reduction Bushing (includes items 7, 8, 10 & 50)	
7	91514147	2	Seal	
8	91514146	2	Ball Bearing	
9	80204071	2	Circlip	
10	91514148	2	O-Ring	
11	70026803	2	Joint & Shaft, Double Universal	
12	91514111	2	Bushing, Thrust	
13	7028714	2	Bushing	
14	70025562	24	Bolt	
15	70028392	2	Cover	
16	80204117	2	Plug	
17	70024881	4	Fitting, Grease	
18	70028890	2	Pivot Pin	
19	70028891	2	Pivot Pin	
20	7028716	4	Seal, Dust	
21	91514095	2	Bearing	
23	70026238	2	Seal	
25	7028706	4	Plug, Magnet	
26	91514188	2	Plug With Sealing Washer	
28	7028721	2	Seal	
29	91474576	4	Bearing	
30	91514183	20	Wheel Stud	
31	7028722	2	Wheel Hub	
32	91514181	2	O-Ring	
33	70029546	2	Gear, Ring	
34	70026812	2	Support, Ring Gear	
35	70028925	6	Circlip	
36	70028941	6	Differential Pinion	
40	91514189	4	Bolt, Countersunk	
41	70028881	1	Planet Gear Carrier	
42	70027315	16	Stud	
43	91474584	16	Nut	
44	91514175	2	Circlip	
45	70028975	4	Bolt	
46	80204065	4	Nut	
48	70028976	1	Case, Axle	
49	70026622	2	Plate, Locking	
50	80204005	2	Circlip	
56	7029311	4	Spacer	
57	70025561	1	Kit, Shim	
59	70028881	2	Kit, Planet Gear (includes items 35, 36, 41, 70 & 71)	
66	70029471	1	Steering Case (LR) (includes item 12)	
67	70029472	1	Steering Case (RR) (includes item 12)	
70	7028731	6	Bearing	
71	7028732	6	Bearing	
77	70029547	2	Kit, Gear Ring (includes items 22, 34 & 44)	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
83	70028943	2	Cross Joint	
84	70028944	1	Center Section Joint	
85	70028977	1	Case, Axle	

FIGURE 5-50. REAR AXLE - BRAKES (110HP)

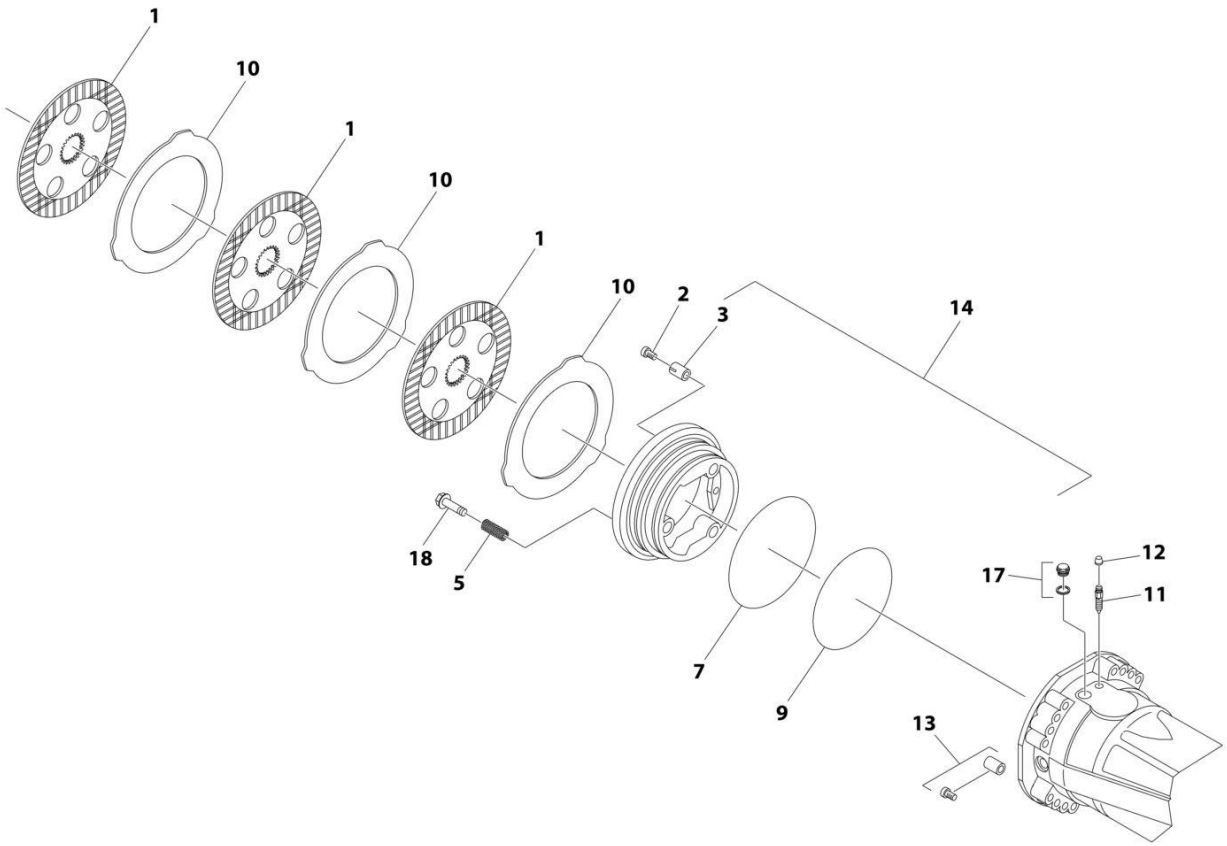


FIGURE 5-50. REAR AXLE - BRAKES (110HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220491	Ref	REAR AXLES, BRAKES	E
1	91474568	6	Disc	
2	7029786	6	Adjusting Bolt	
3	70027317	6	Spring	
5	91514159	6	Spring	
7	70025821	2	O-Ring	
9	70025822	2	O-Ring	
10	70025823	8	Disc, Intermediate Brake	
11	10725627	2	Bolt, Bleeding	
12	80204117	2	Plug	
13	70021613	2	Bolt	
14	N.S.S.	2	Piston	
17	91514154	2	Plug With Seal Washer	
18	70024210	6	Bolt	

FIGURE 5-51. REAR AXLE - STEERING (110HP)

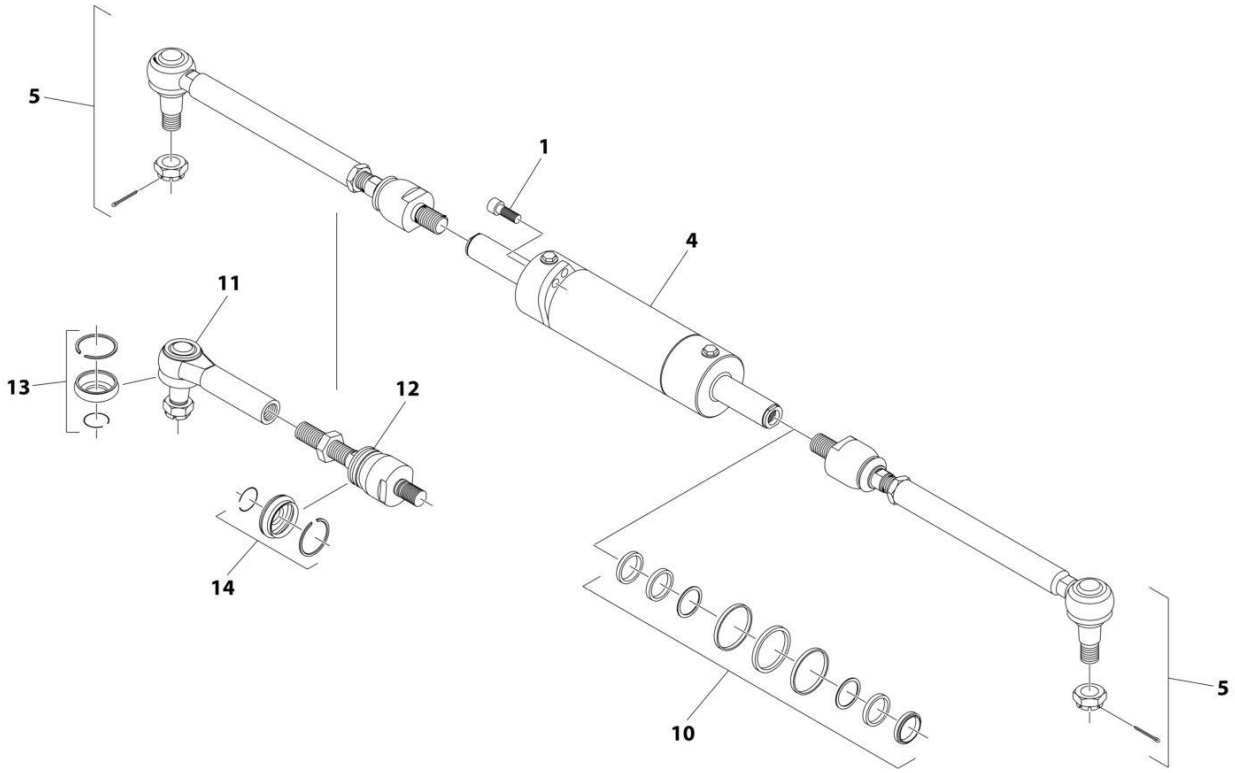
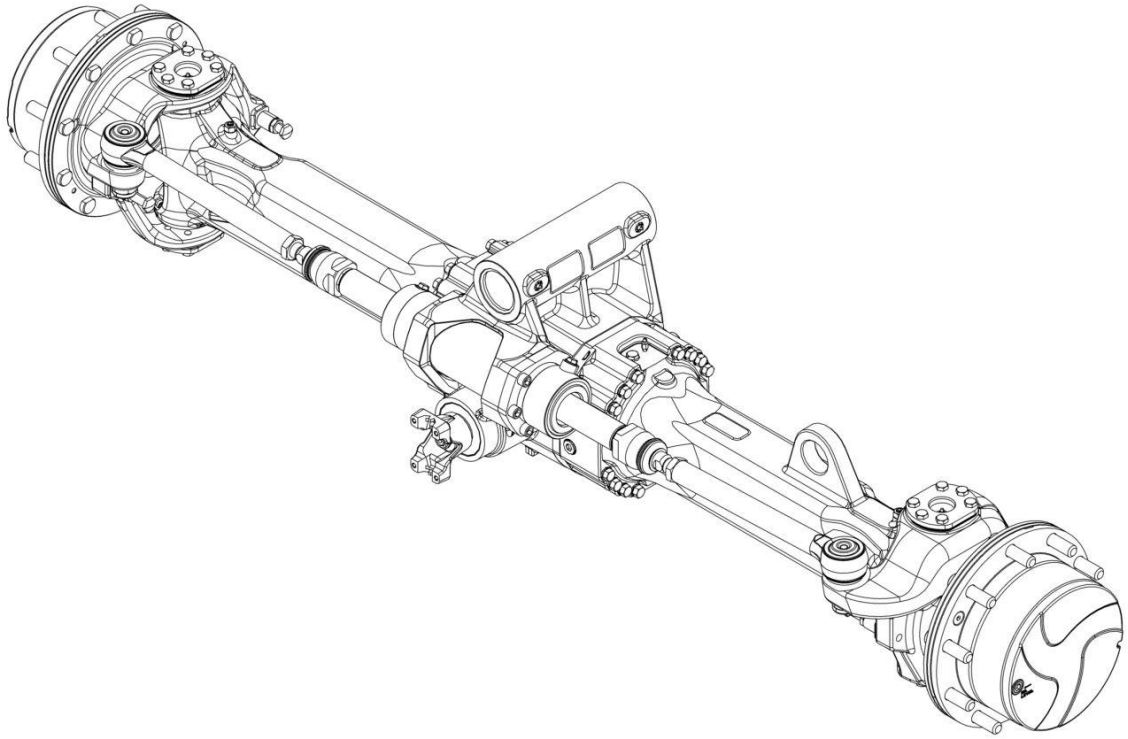


FIGURE 5-51. REAR AXLE - STEERING (110HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220491	Ref	REAR AXLE, STEERING	E
1	80204144	5	Bolt	
4	70028947	1	Cylinder	
5	70028948	2	Tie Rod	
10	7029127	1	Kit, Seal	
11	70028949	1	Joint, 90	
12	70028950	1	Axial Joint Shaft	
13	70028951	1	Rubber Boot and Locking Ring Kit	
14	70028952	1	Rubber Boot and Locking Ring Kit	

FIGURE 5-52. REAR AXLE INSTALLATION (110HP) (SN 0160129296 to Present)



ART_1001288134

FIGURE 5-52. REAR AXLE INSTALLATION (110HP) (SN 0160129296 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288134	Ref	REAR AXLE, 110HP	A
	See Note	NSS	Note: No Service Parts Available at Time of Printing	

FIGURE 5-53. TIRE SET - 17.2-25 PNEUMATIC

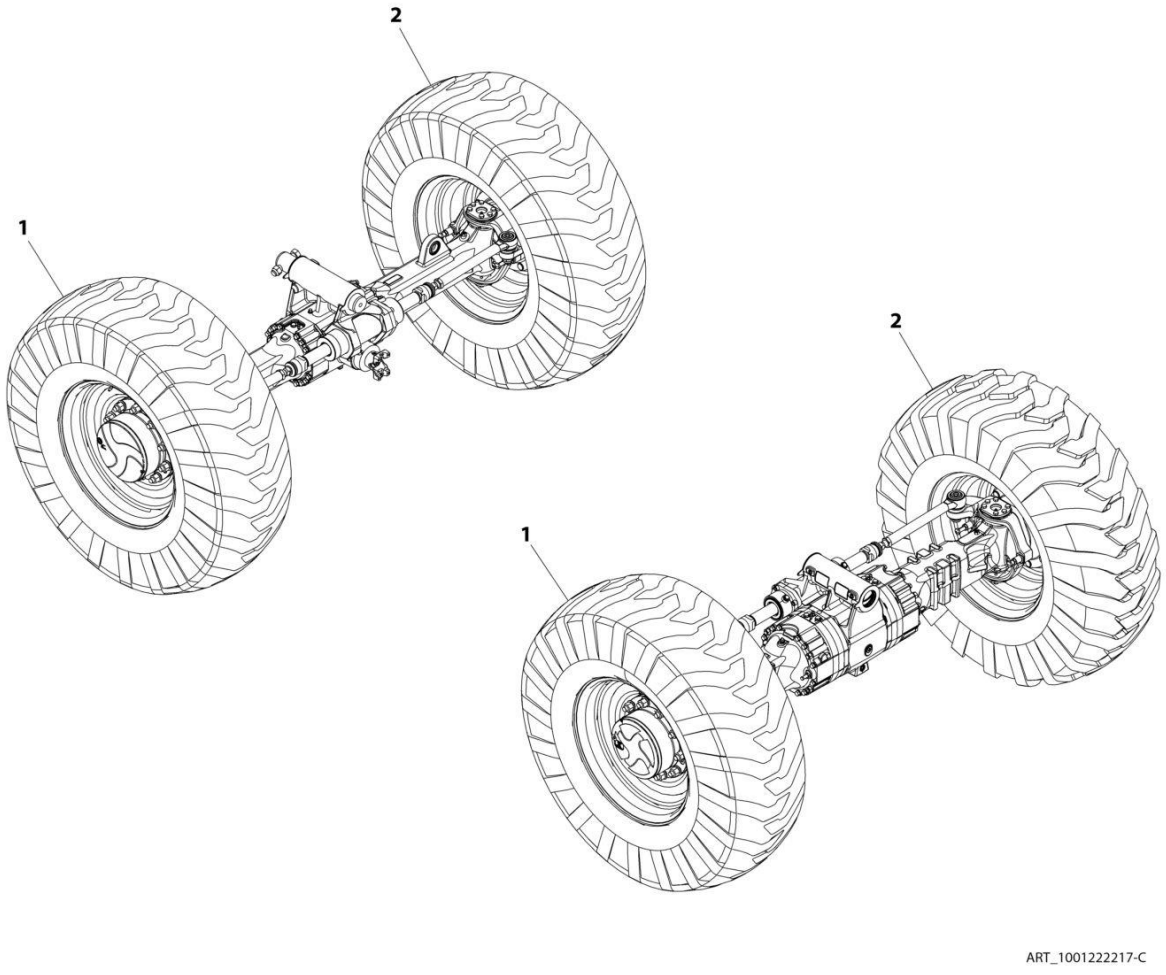


FIGURE 5-53. TIRE SET - 17.2-25 PNEUMATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222217	Ref	Tire Set, 17.5-25 Pneumatic	C
1	1001152415	2	Tire and Wheel Assembly (RH)	
1	91563250	2	Wheel (1 per assembly)	
1	8780039	2	Tire 17.2-25 16 Ply (1 per assembly)	
1	91083385	2	Valve, Air (1 per assembly)	
2	1001152416	2	Tire and Wheel Assembly (LH)	
2	91563250	2	Wheel (1 per assembly)	
2	8780039	2	Tire 17.2-25 16 Ply (1 per assembly)	
2	91083385	2	Valve, Air (1 per assembly)	

FIGURE 5-54. TIRE SET - 17.2-25 FOAM-FILLED

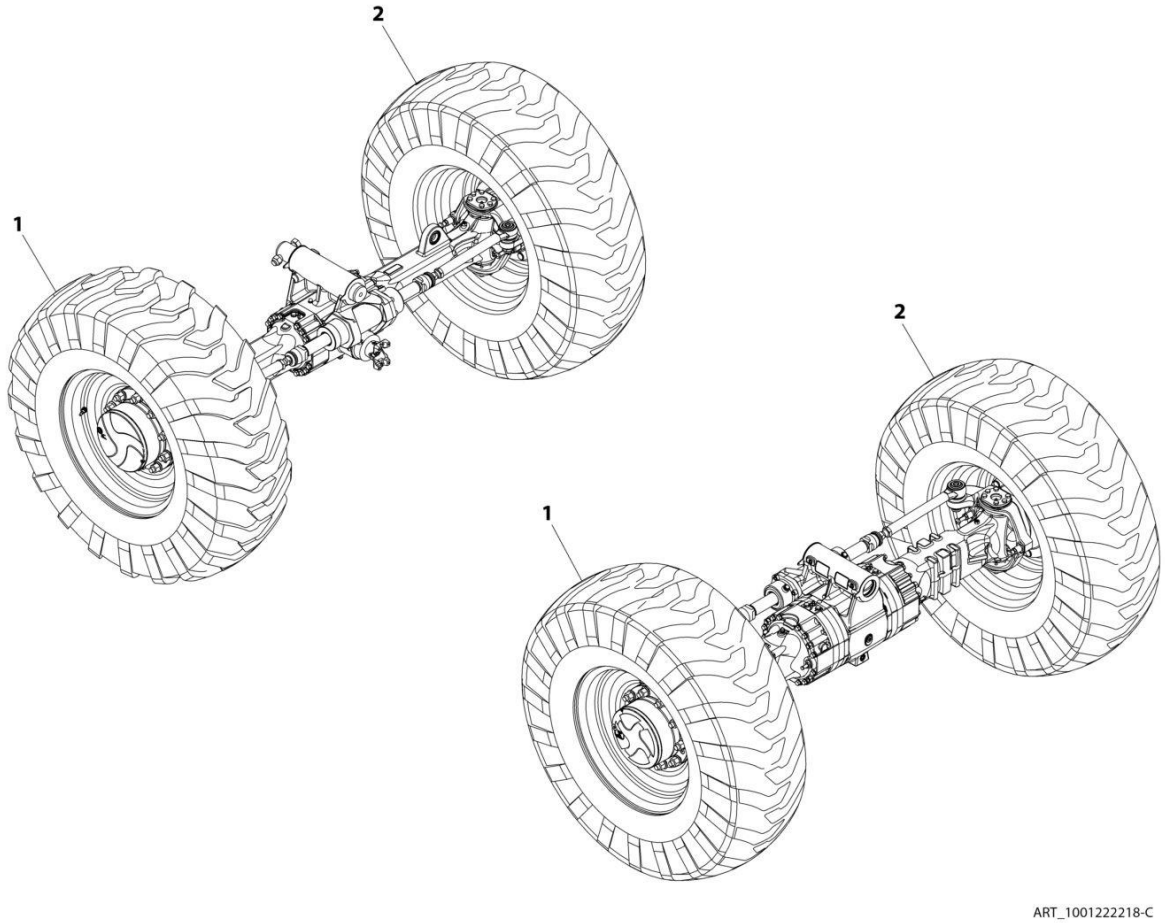


FIGURE 5-54. TIRE SET - 17.2-25 FOAM-FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222218	Ref	Tire Set, 17.5-25 Foam-Filled	C
		Ref	**Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.**	
		Ref	**Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.**	
1	91565040	2	Tire and Wheel Assembly (RH)	
1	91563250	2	Wheel (1 per assembly)	
1	4520527	2	Tire 17.5-25 12 Ply (1 per assembly)	
1	91083385	2	Valve, Air (1 per assembly)	
2	91565039	2	Tire and Wheel Assembly (LH)	
2	91563250	2	Wheel (1 per assembly)	
2	4520527	2	Tire 17.5-25 12 Ply (1 per assembly)	
2	91083385	2	Valve, Air (1 per assembly)	

FIGURE 5-55. TIRE SET - 18 X 625 (TURF AND SAND PNEUMATIC)

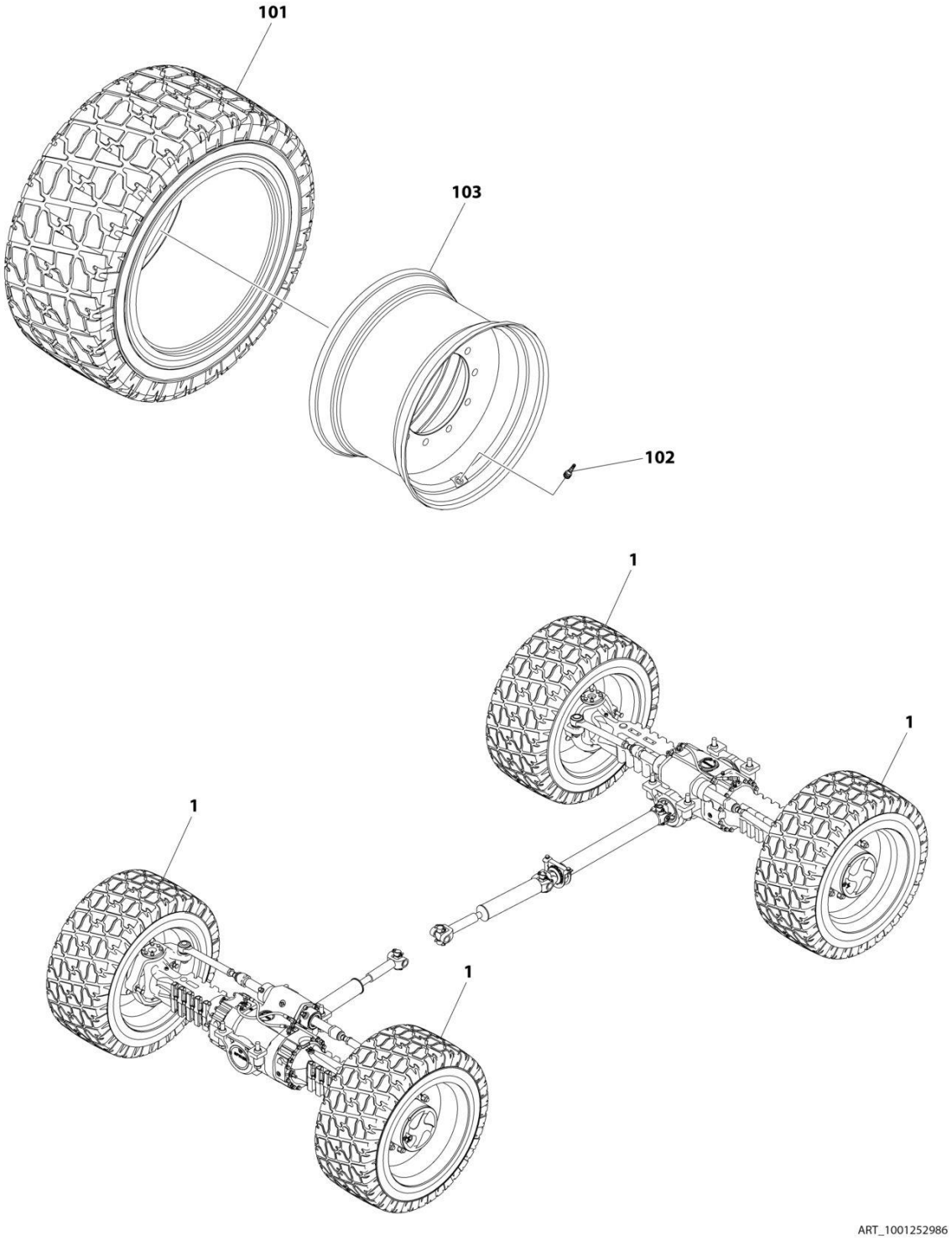


FIGURE 5-55. TIRE SET - 18 X 625 (TURF AND SAND PNEUMATIC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252986	Ref	TIRE SET - 18 X 625 (TURF PNEUMATIC)	B
1	1001259635	4	Tire and Wheel Assembly	
101	4520356	4	Tire - 18 x 625 Turf/Sand (1 per assembly)	
102	4641122	4	Valve, Air (1 per assembly)	
103	1001246001	4	Wheel (1 per assembly)	

FIGURE 5-56. TIRE SET - 360/85-28 SOLID

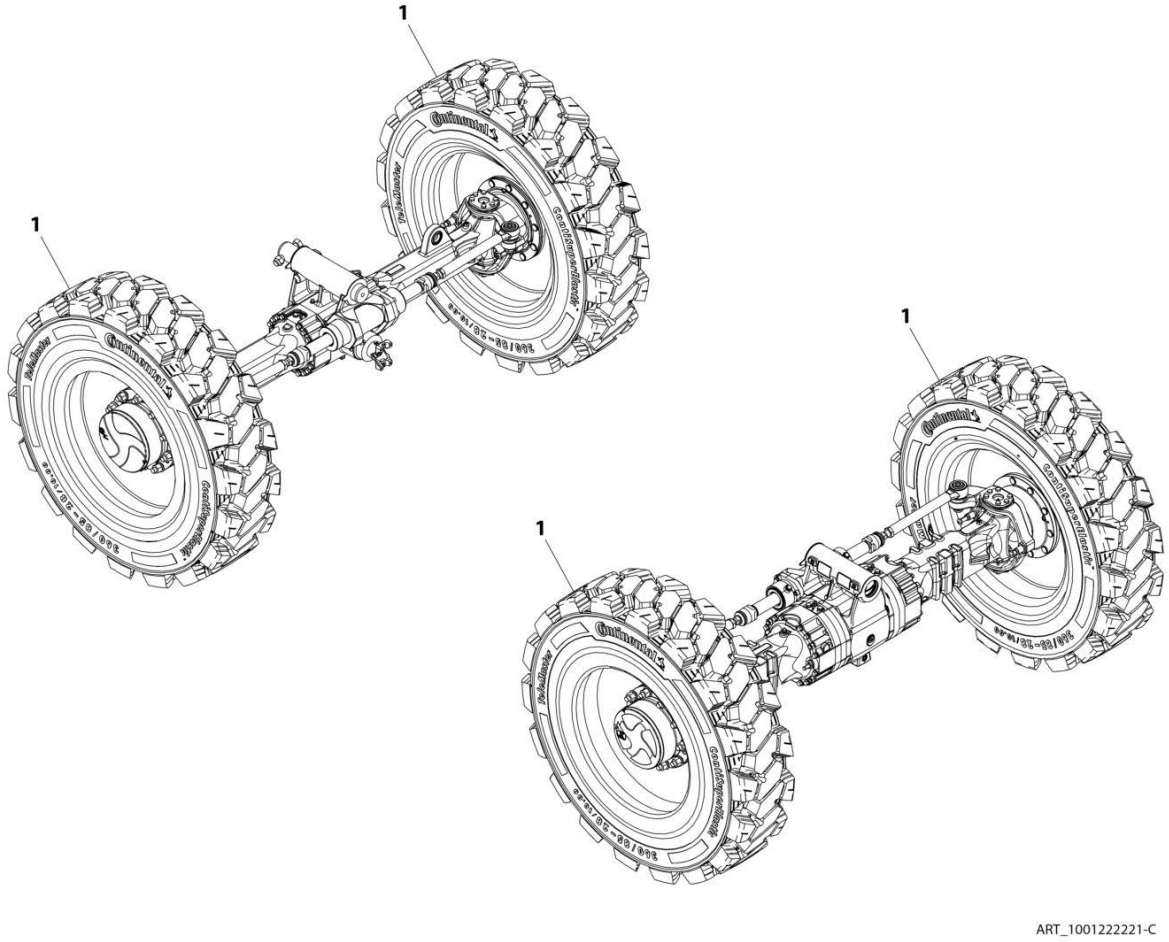


FIGURE 5-56. TIRE SET - 360/85-28 SOLID

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222221	Ref	Tire Set, 360/85-28 Solid	C
1	1001213200J	4	Tire, 360/85-28 Solid	

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

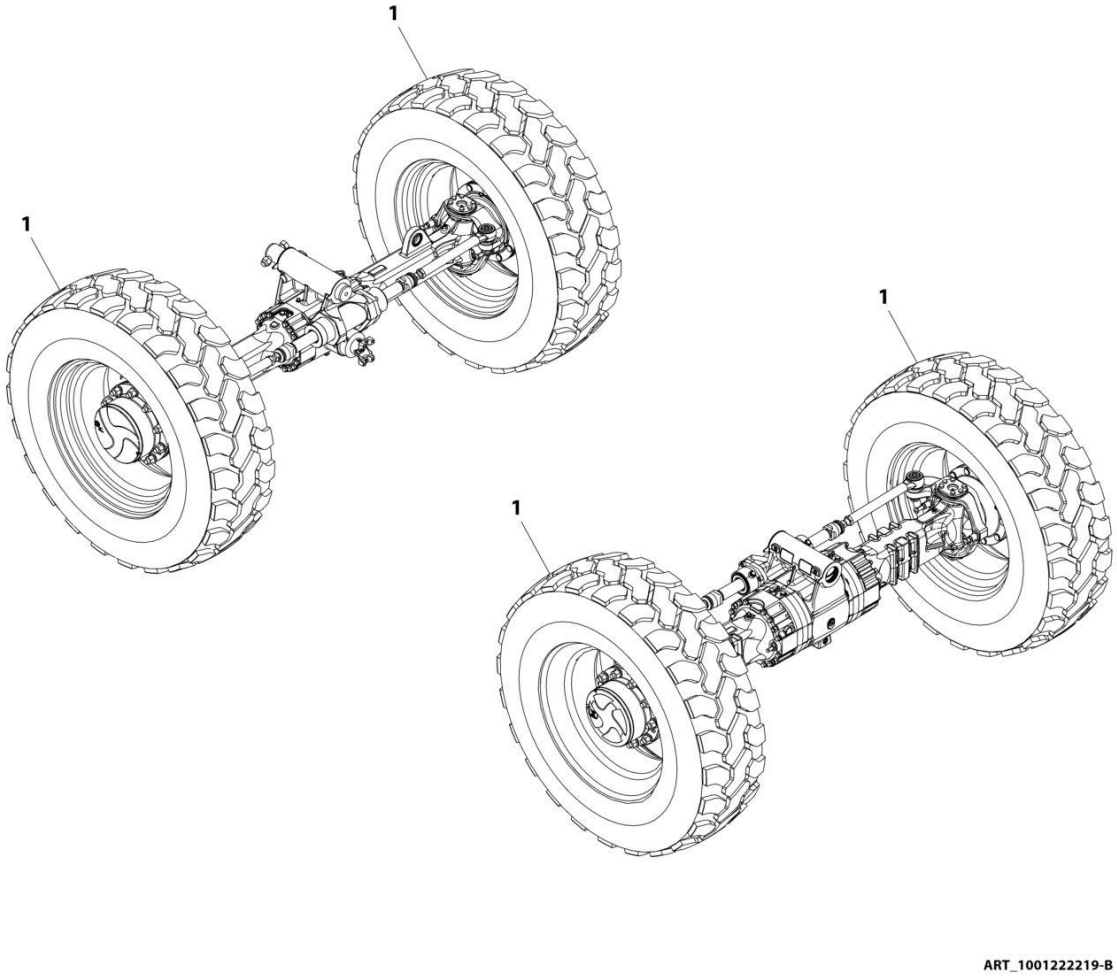


FIGURE 5-57. TIRE SET - 400/75-28 PNEUMATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222219	Ref	Tire Set, 400/75-28 Pneumatic	B
1	1001121103	4	Tire and Wheel Assembly	
1	8786514	4	Valve, Air (1 per assembly)	
1	1001120178	4	Wheel (1 per assembly)	
1	1001120179	4	Tire 400/75-28 (1 per assembly)	

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

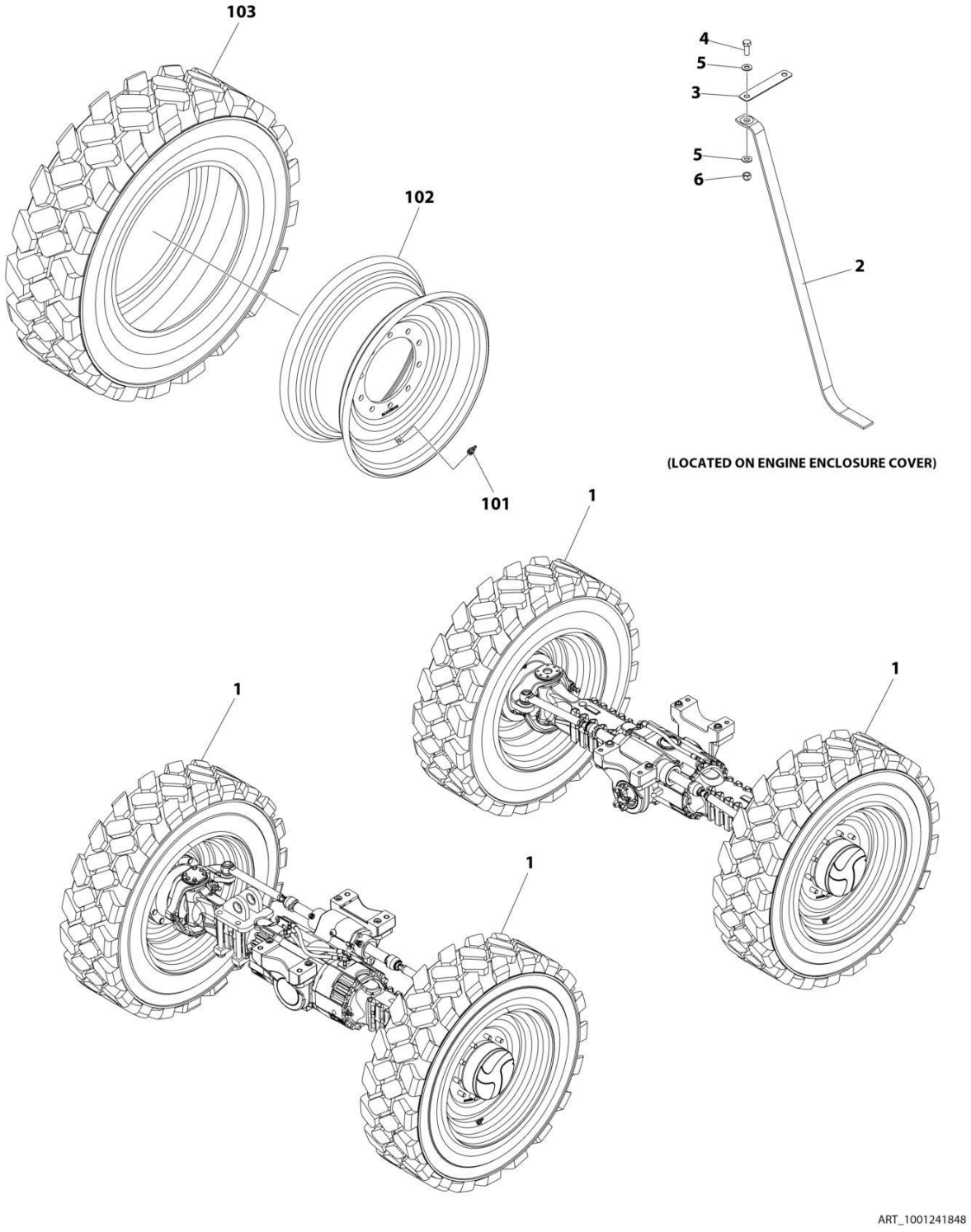


FIGURE 5-58. TIRE SET - 400/75-28 PNEUMATIC NON-MARKING

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

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

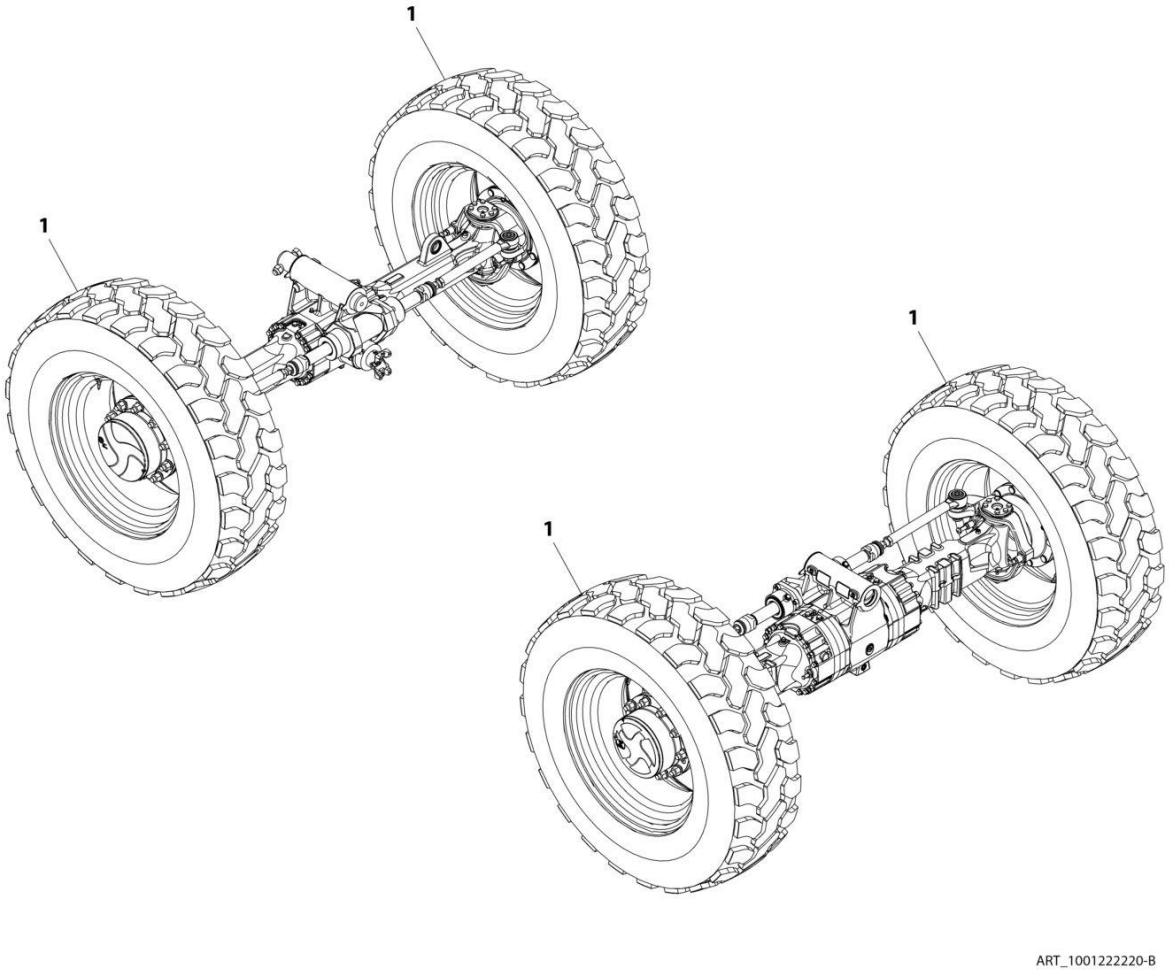


FIGURE 5-59. TIRE SET - 400/75-28 FOAM-FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222220	Ref	Tire Set, 400/75-28 Foam-Filled	B
		Ref	**Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.**	
		Ref	**Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.**	
1	1001121105	4	Tire and Wheel Assembly	
1	8786514	4	Valve, Air (1 per assembly)	
1	1001120178	4	Wheel (1 per assembly)	
1	1001120179	4	Tire 400/75-28 (1 per assembly)	

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

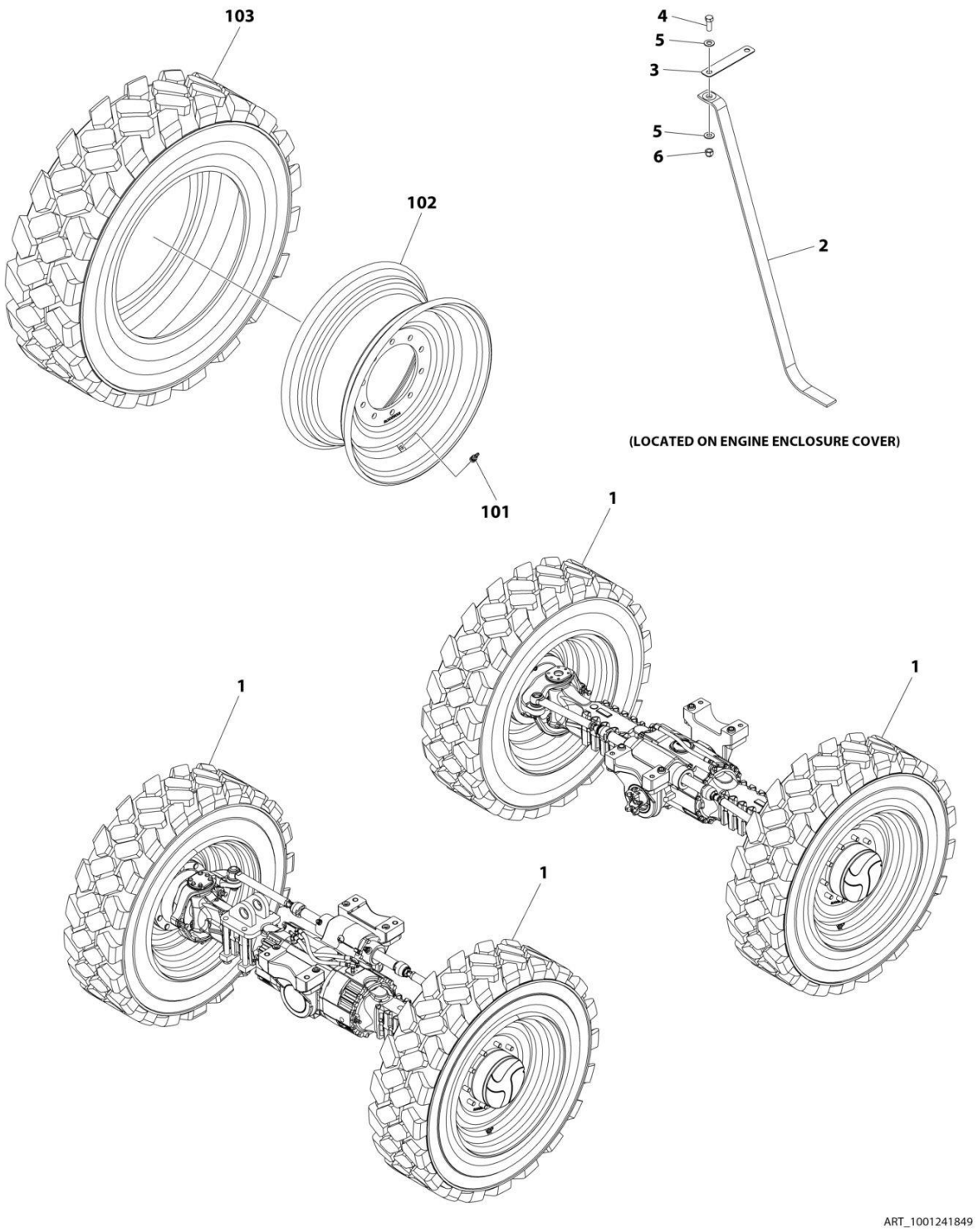


FIGURE 5-60. TIRE SET - 400/75-28 FOAM-FILLED NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241849	Ref	TIRE/WHEEL SET 400/75-28 - FOAM FILLED NON MARKING	B
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	1001241842	4	Tire and Wheel Assembly (See Items 101-103)	
2	1001275637	1	Strap, Anti-Static	
3	1001275638	1	Bracket	
4	8303620	1	Bolt 3/8 x 1	
5	8307110	2	Washer 3/8	
6	8305645	1	Nut 3/8	
	1001241842	Ref	TIRE AND WHEEL ASSEMBLY	A
101	8786514	4	Valve, Air (1 per assembly)	
102	1001120178	4	Wheel (1 per assembly)	
103	1001241837	4	Tire 400/75-28 Non-Marking (1 per assembly)	

FIGURE 5-61. TIRE SET, 14-24 SOLID (DIRECTIONAL)

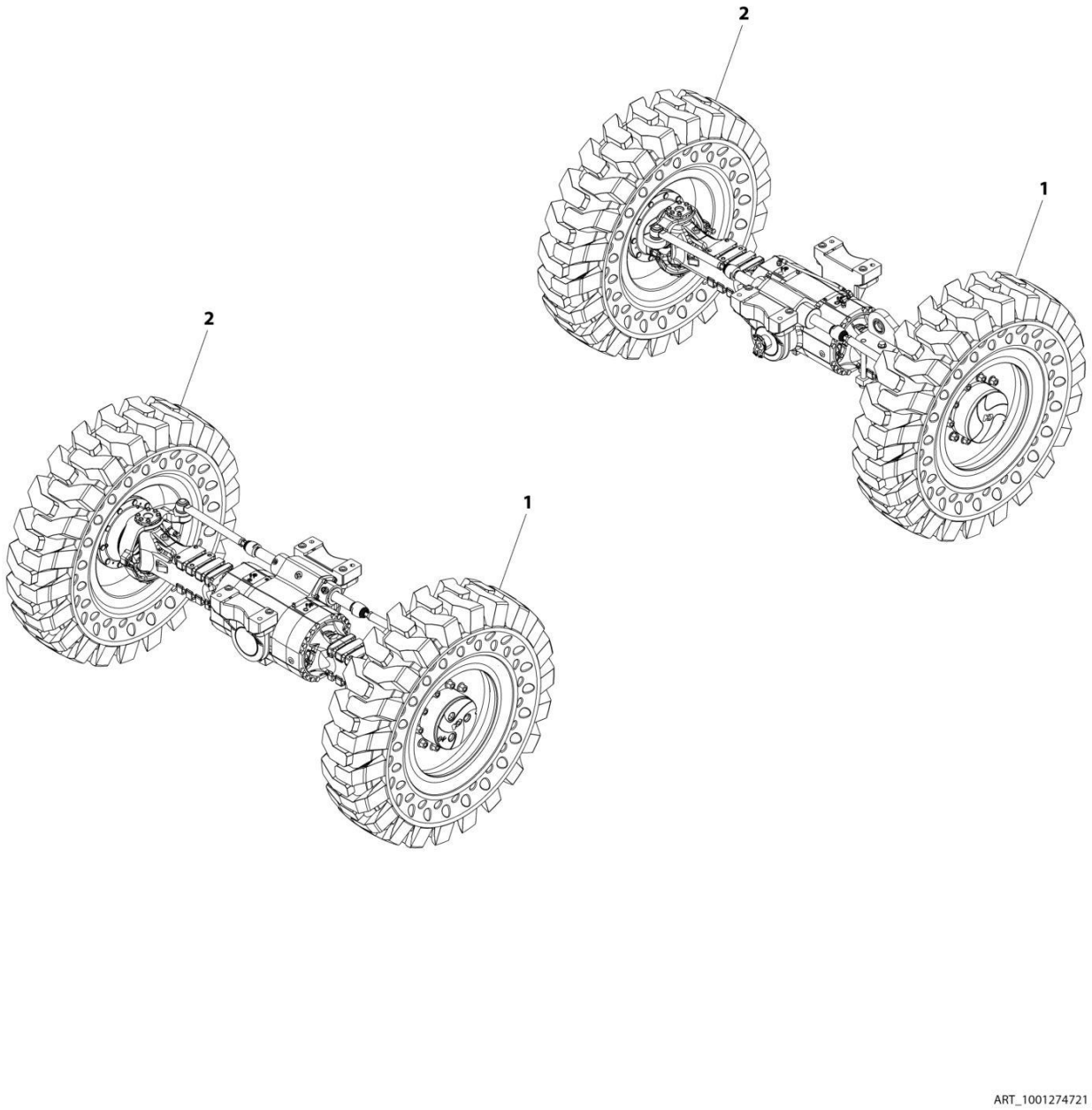


FIGURE 5-61. TIRE SET, 14-24 SOLID (DIRECTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274721	Ref	TIRE/WHEEL SET 14-24 SOLIDBOSS (DIRECTIONAL)	A
1	1001274719	2	Tire/Wheel Left 14X24 - Solid	
2	1001274720	2	Tire/Wheel Right 14X24 - Solid	

FIGURE 5-62. TIRE SET, 14-28 SOLID (DIRECTIONAL)

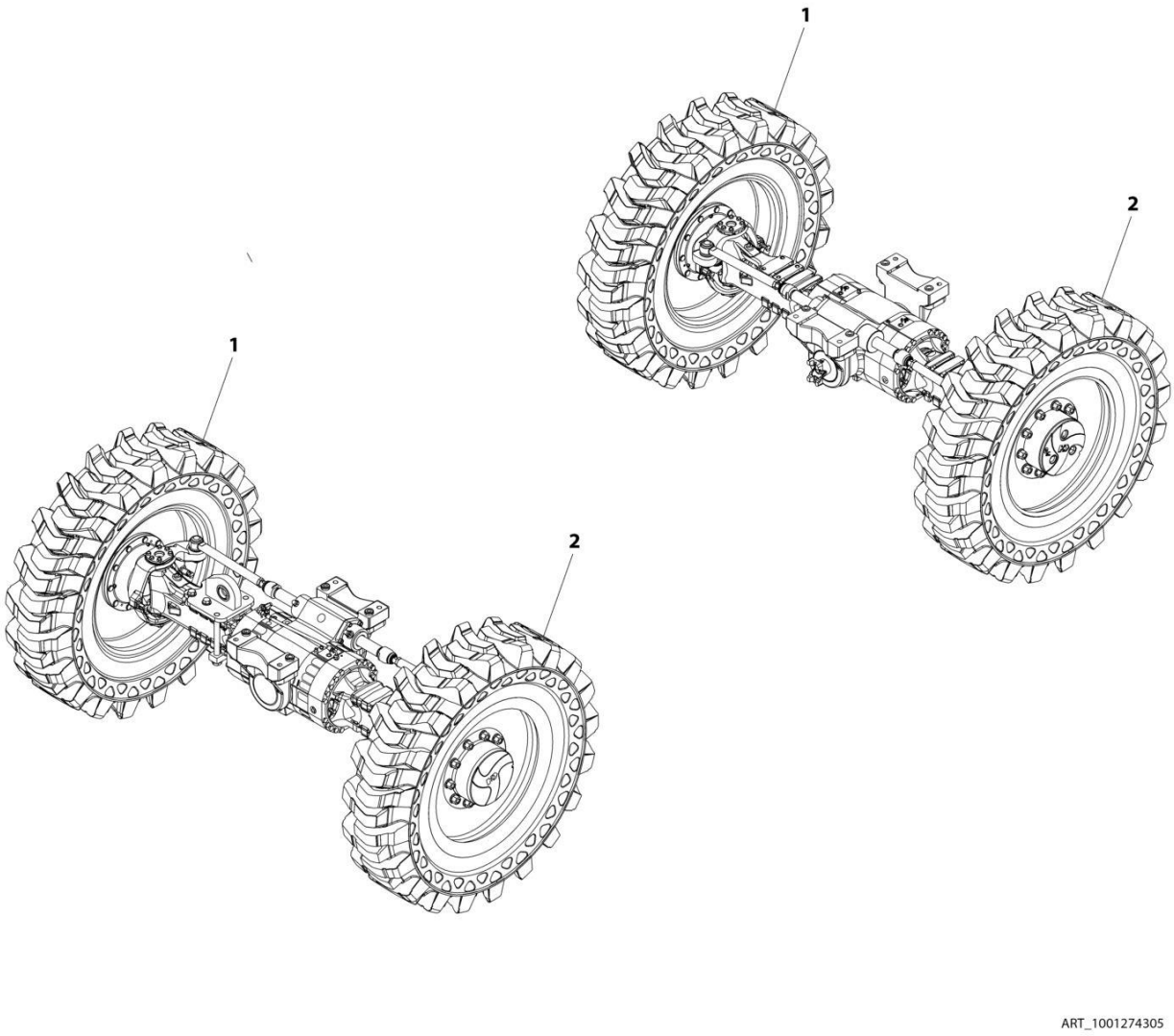


FIGURE 5-62. TIRE SET, 14-28 SOLID (DIRECTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274305	Ref	TIRE/WHEEL SET 14-28 SOLIDBOSS (DIRECTIONAL)	A
1	1001274303	2	Tire/Wheel Left 14X28 - Solid	
2	1001274304	2	Tire/Wheel Right 14X28 - Solid	

FIGURE 5-63. TIRE SET, 14-24 SOLID (NON-DIRECTIONAL)

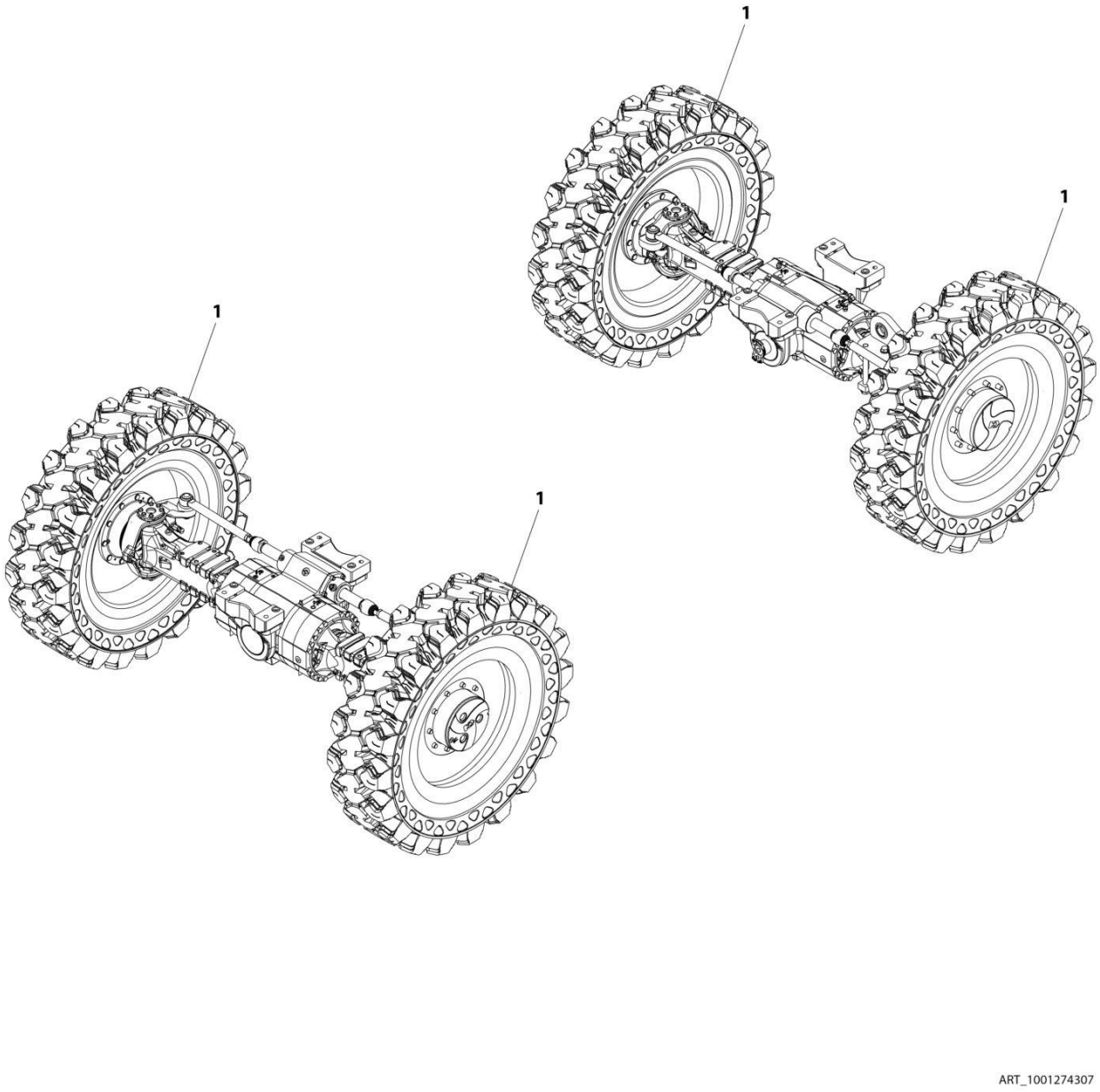


FIGURE 5-63. TIRE SET, 14-24 SOLID (NON-DIRECTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274307	Ref	TIRE/WHEEL SET 14-28 SOLIDBOSS (NON-DIRECTIONAL)	A
1	1001274306	4	Tire/Wheel 14X28 - Solid	

FIGURE 5-64. TIRE SET, 14-24 SOLID

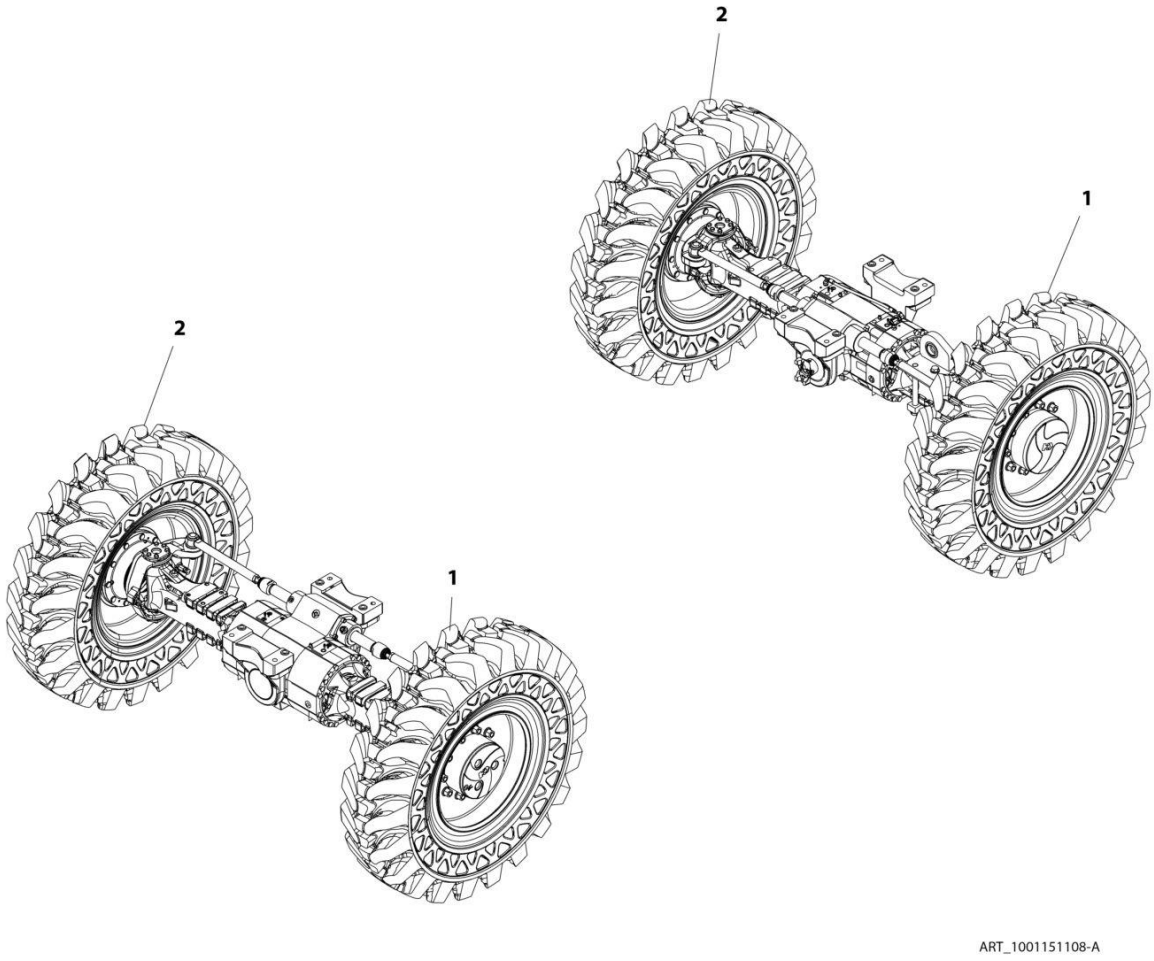


FIGURE 5-64. TIRE SET, 14-24 SOLID

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151108	1	Tire/Wheel Set 14-24 - Solid	A
1	1001151101	2	Tire/Wheel Left 14-24 .219 - Offset	
2	1001151102	2	Tire/Wheel Right 14-24 .219 - Offset	

FIGURE 5-65. FENDER INSTALLATION

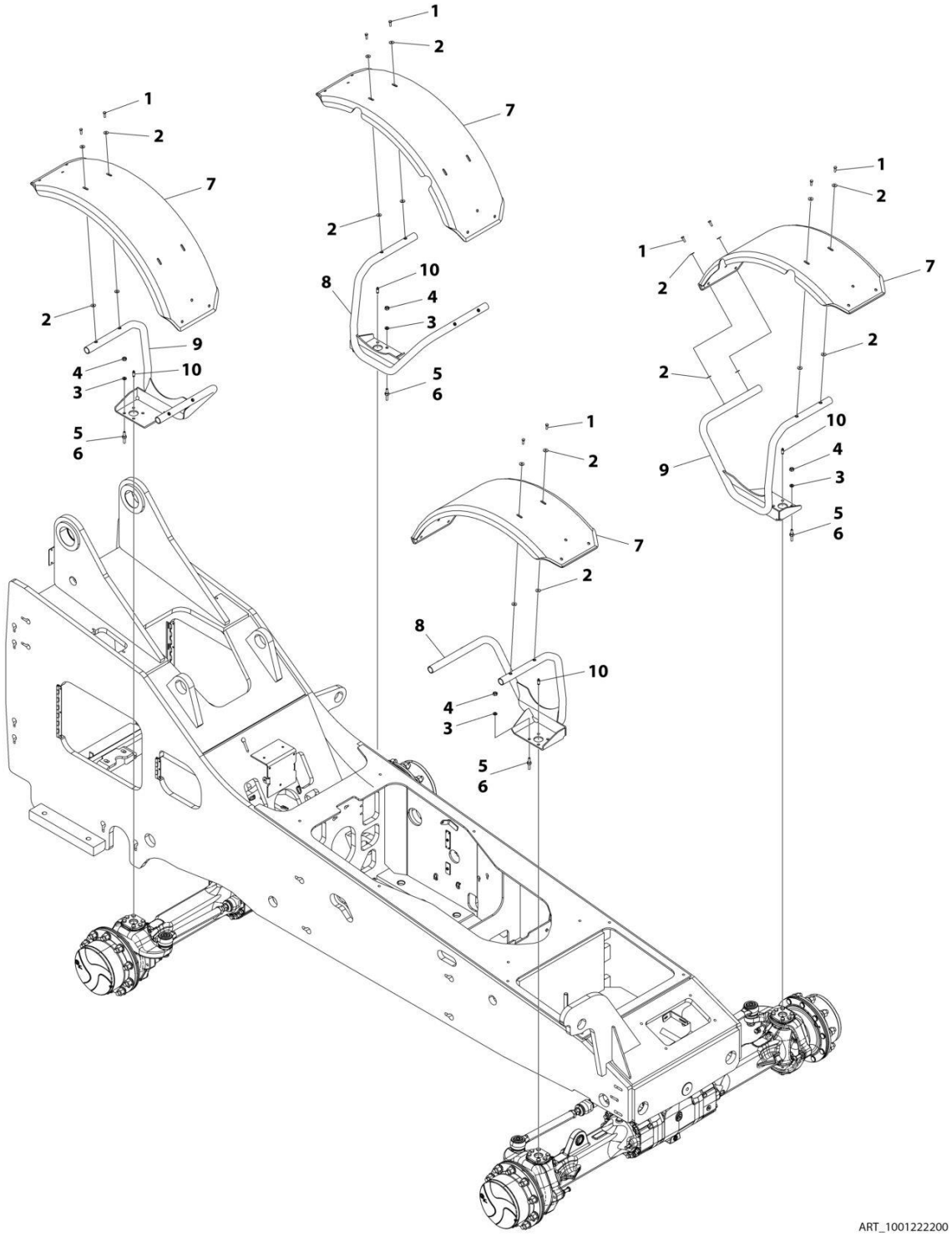


FIGURE 5-65. FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222200	Ref	Fender Installation	D
1	0760812	16	Capscrew, M8X25	
2	4811902	32	Washer	
3	83191010	16	Washer, Lock M12	
4	91513266	16	Nut, M12	
5	91514118	16	Stud, Fender	
6	1001095650	AR	Adhesive	
7	1001154055	4	Fender	
8	1001222203	2	Bracket, Fender	
9	1001222717	2	Bracket, Fender	
10	1001225317	4	Fitting, Grease	

SECTION 6 - CAB

FIGURE 6-1. CAB MOUNTING HARDWARE INSTALLATION

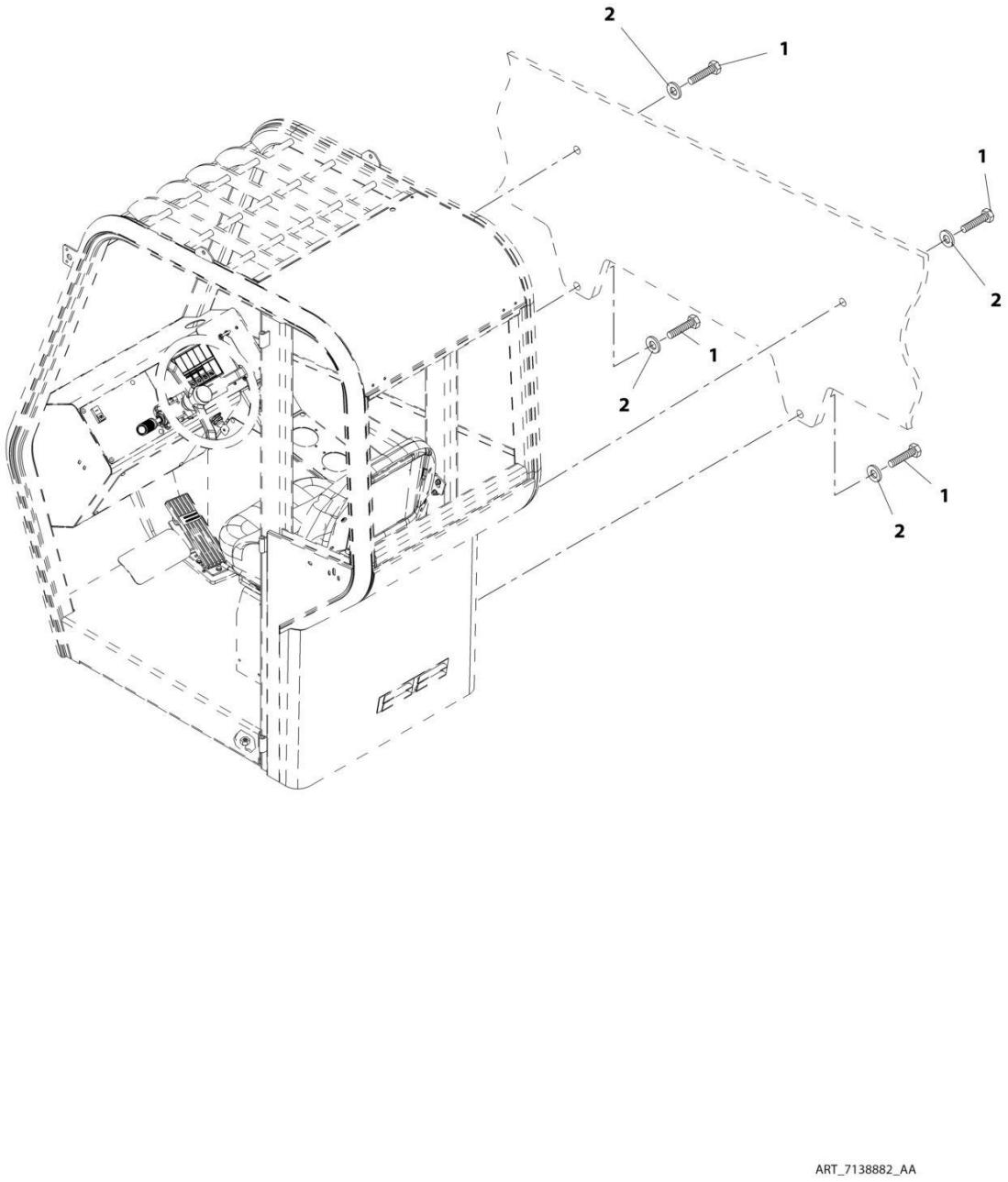
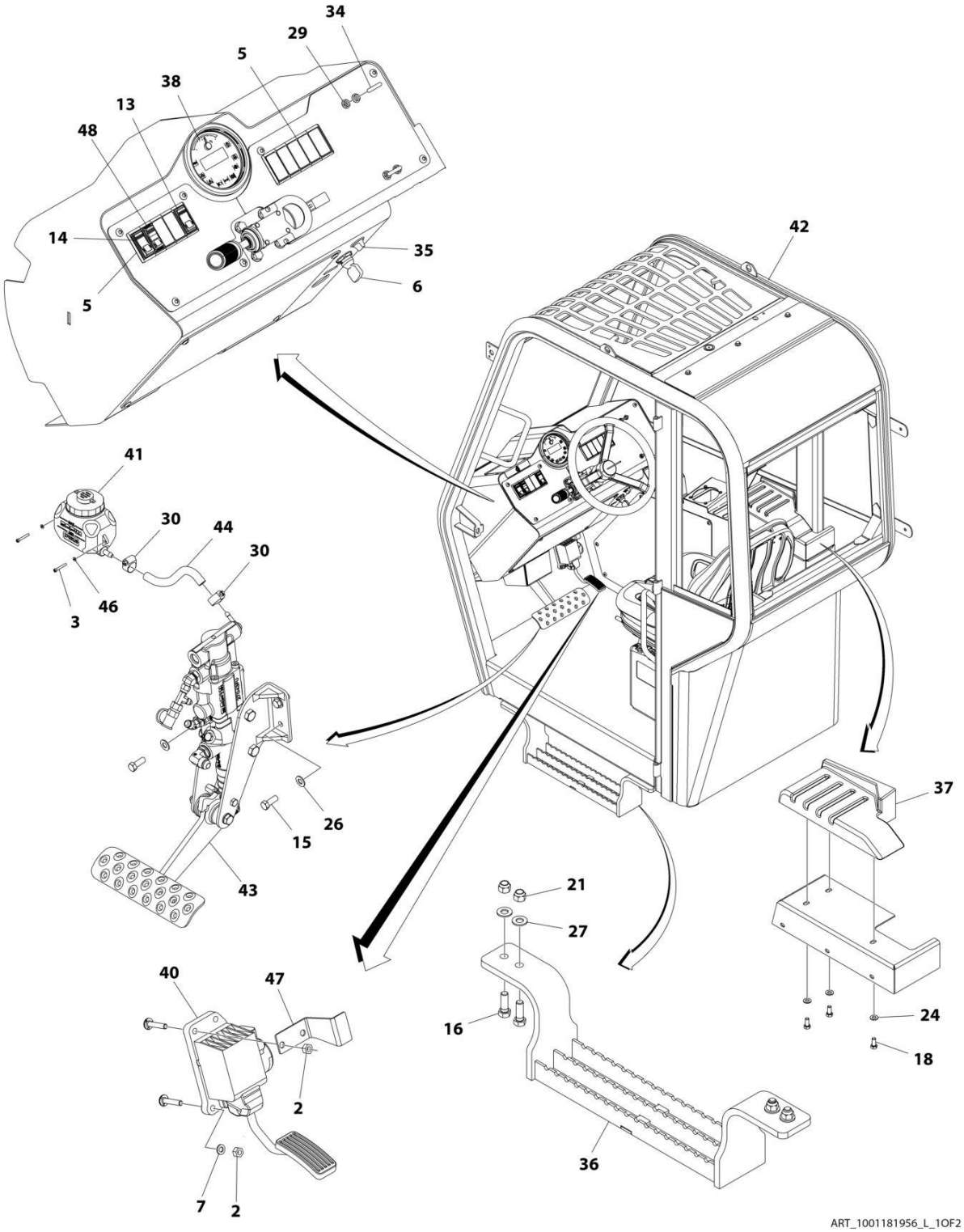
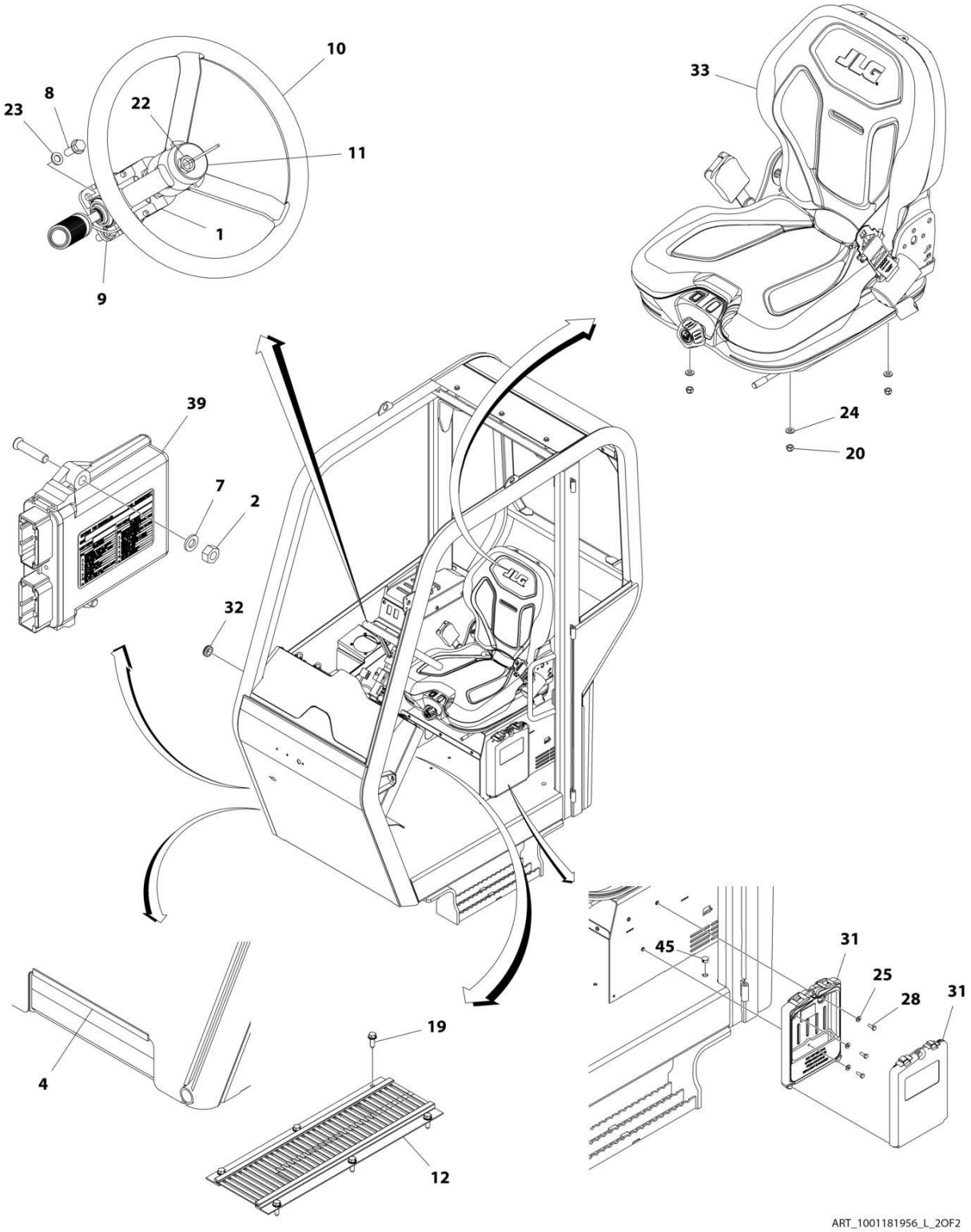


FIGURE 6-1. CAB MOUNTING HARDWARE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7138882	Ref	Cab Installation	AA
1	8310493	4	Bolt, 7/8-9X5-1/2, Grade 8	
2	8307011	4	Washer, Lock 7/8	

FIGURE 6-2. CAB INSTALLATION - OPEN CAB (ORANGE SEAT BELT)

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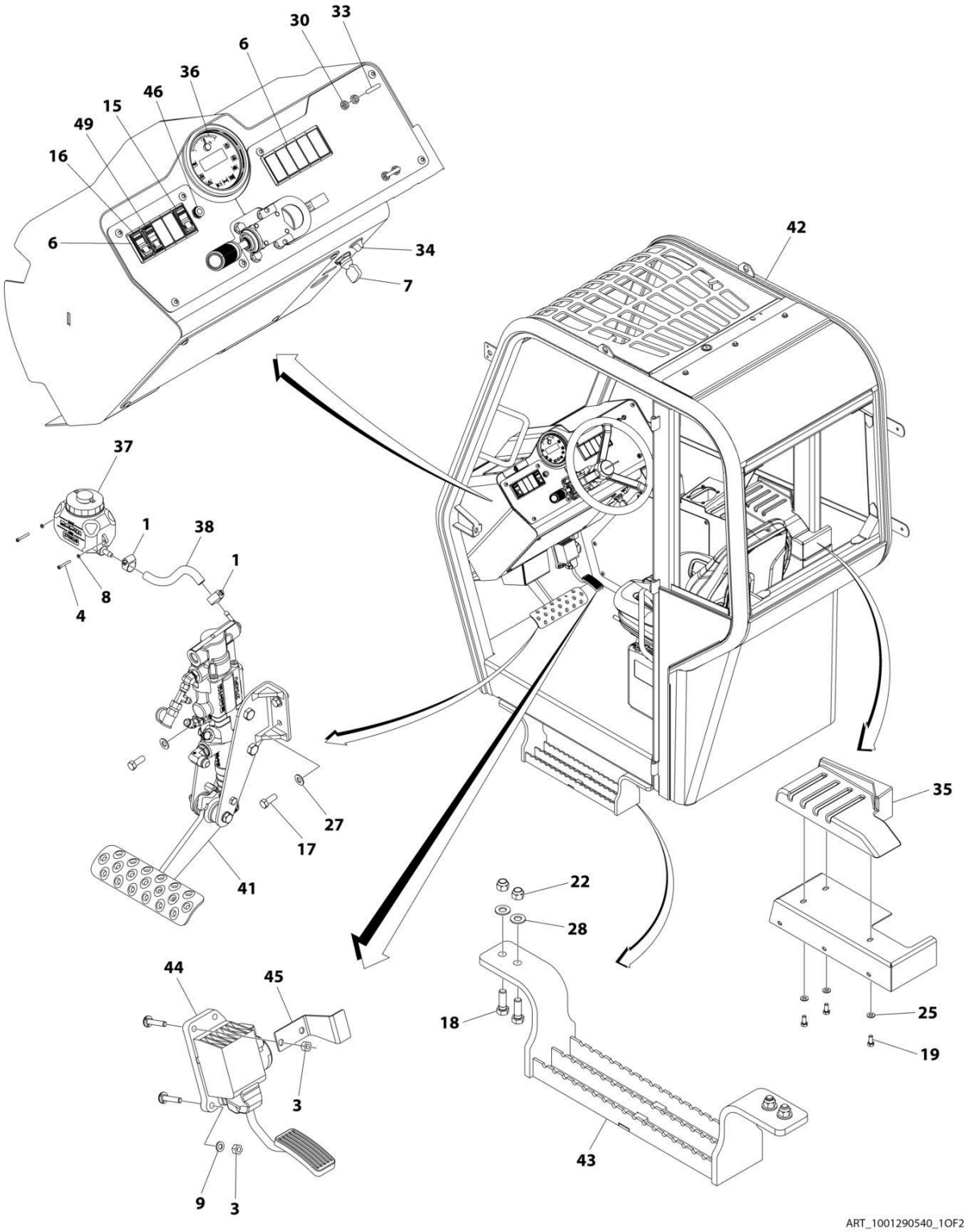
ART_1001181956_L_2OF2

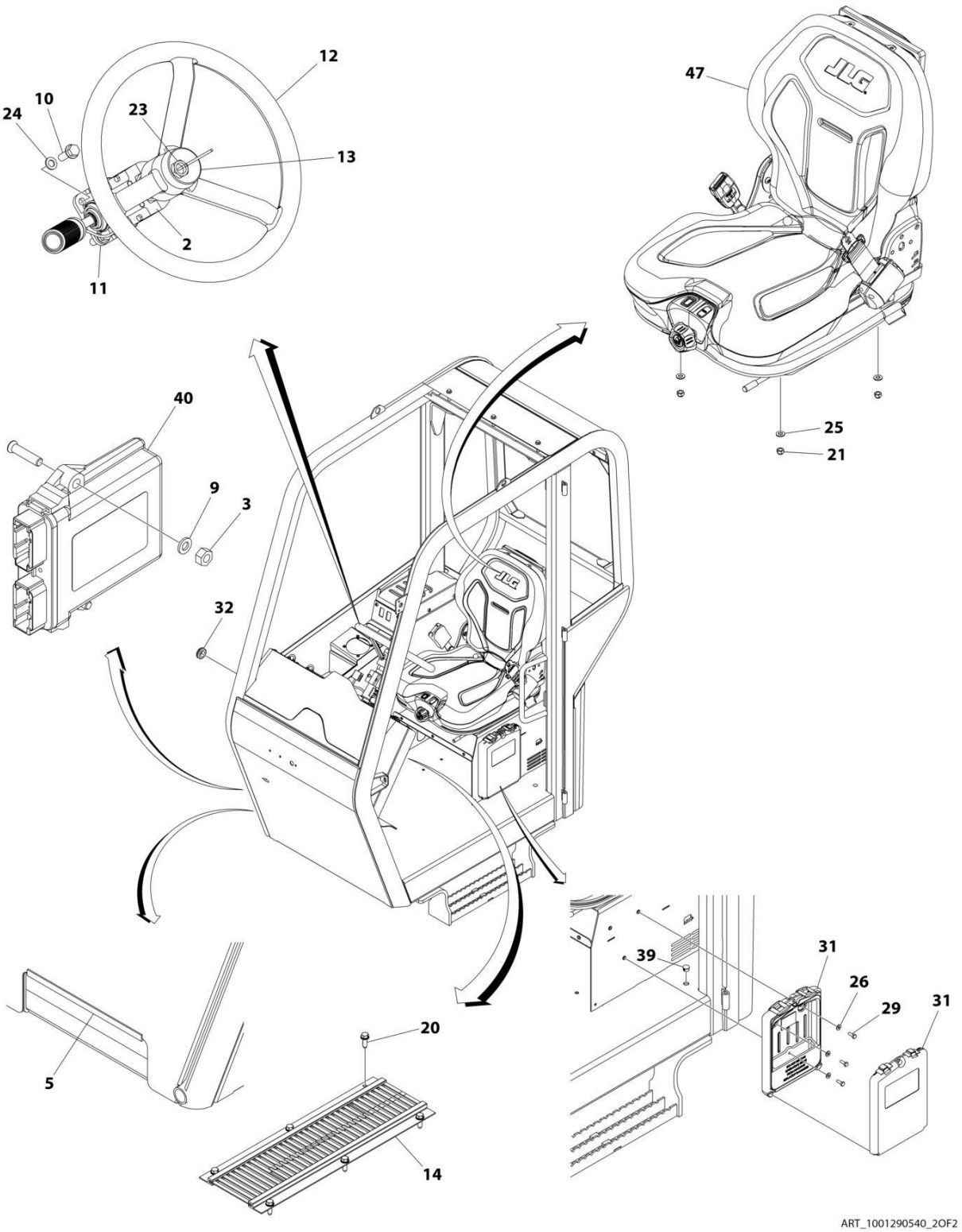
FIGURE 6-2. CAB INSTALLATION - OPEN CAB (ORANGE SEAT BELT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181956	Ref	OPEN CAB INSTALLATION	L
1	1600429	1	Selector, Transmission Control	
2	3311401	5	Nut 1/4	
3	3930610	2	Bolt #6 x 5/8	
4	4060806	11 in	Flex-Trim	
5	4360569	2	Switch, Bezel	
6	4360690	1	Switch, Ignition	
6	8035807	1	Key (with cover)	
7	4761400	3	Washer 1/4	
8	5251014	4	Bolt M10 x 30	
9	7138833	1	Column, Steering	
10	7138836	1	Wheel, Steering	
11	7138878	1	Button, Horn	
12	7138944	2	Strips, Brush	
13	8223037	1	Switch, Steer Select	
14	8223054	1	Switch, Park Brake	
15	8303620	4	Bolt 3/8 x 1	
16	8303626	4	Bolt 1/2 x 1-1/2	
18	8303697	3	Bolt 5/16 x 3/4	
19	8303982	6	Screw 1/4 x 3/4	
20	8305626	4	Nut 5/16	
21	8305644	4	Nut 1/2	
22	8305916	1	Nut, Steering Column	
23	8307023	4	Washer M10	
24	8307106	7	Washer 5/16	
25	8307109	3	Washer 1/4	
26	8307110	4	Washer 3/8	
27	8307112	4	Washer 1/2	
28	8310026	3	Bolt 1/4 x 3/4	
29	8310382	8	Nut 1/4	
30	1320022	2	Clamp, Fuel Line	
31	8990147	1	Holder, Manual	
32	1001081049	1	Grommet, Split	
33	1001275934	1	Seat, Cab (See Separate Breakdown in this Section)	
34	1001102844	2	U-Bolt 1/4 x 1-1/4	
35	1001114867	1	Socket, 12V Power Point	
36	1001256519	1	Mount, Cab Step	
37	1001159878	1	Support, Armrest	
38	1001170738	1	Gauge	
39	1001292279	1	Controller	
40	1001264554	1	Accelerator (Note: No Serviceable Parts - Purchase Complete Assembly)	
41	1001183164	1	Reservoir, Brake Valve	
42	1001246736	1	Cab, Open (See Separate Breakdown in this Section)	
43	1001223052	1	Assembly, Brake (See Separate Breakdown in CONTROLS Section)	
44	1001201658	1	Hose	
45	1001207963	1	Plug, 5/8	
46	4710600	2	Washer	
47	1001265914	1	Cover, Pedal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001289539	1	Switch, Beacon	
49	1001284403	1	Harness, Beacon Option (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
50	1001182091	1	Duct, Wire (Not Shown)	

FIGURE 6-3. OPEN CAB SEAT BELT ENG INSTALLATION

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ART_1001290540_2OF2

FIGURE 6-3. OPEN CAB SEAT BELT ENG INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290540	Ref	OPEN CAB SEAT BELT ENG INSTALLATION	B
1	1320022	2	Clamp, Fuel Line	
2	1600429	1	Selector, Transmission Control	
3	3311401	5	Nut 1/4	
4	3930610	2	Bolt #6 x 5/8	
5	4060806	11 in	Flex-Trim	
6	4360569	2	Switch, Bezel	
7	4360690	1	Switch, Ignition	
7	8035807	1	Key (with cover)	
8	4710600	2	Washer	
9	4761400	3	Washer 1/4	
10	5251014	4	Bolt M10 x 30	
11	7138833	1	Column, Steering	
12	7138836	1	Wheel, Steering	
13	7138878	1	Button, Horn	
14	7138944	2	Strips, Brush	
15	8223037	1	Switch, Steer Select	
16	8223054	1	Switch, Park Brake	
17	8303620	4	Bolt 3/8 x 1	
18	8303626	4	Bolt 1/2 x 1-1/2	
19	8303697	3	Bolt 5/16 x 3/4	
20	8303982	6	Screw 1/4 x 3/4	
21	8305626	4	Nut 5/16	
22	8305644	4	Nut 1/2	
23	8305916	1	Nut, Steering Column	
24	8307023	4	Washer M10	
25	8307106	7	Washer 5/16	
26	8307109	3	Washer 1/4	
27	8307110	4	Washer 3/8	
28	8307112	4	Washer 1/2	
29	8310026	3	Bolt 1/4 x 3/4	
30	8310382	8	Nut 1/4	
31	8990147	1	Holder, Manual	
32	1001081049	1	Grommet, Split	
33	1001102844	2	U-Bolt 1/4 x 1-1/4	
34	1001114867	1	Socket, 12V Power Point	
35	1001159878	1	Support, Armrest	
36	1001170738	1	Gauge	
37	1001183164	1	Reservoir, Brake Valve	
38	1001201658	1	Hose	
39	1001207963	1	Plug, 5/8	
40	1001292279	1	Controller	
41	1001223052	1	Assembly, Brake (See Separate Breakdown in CONTROLS Section)	
42	1001246736	1	Cab, Open	
43	1001256519	1	Mount, Cab Step	
44	1001264554	1	Accelerator (Note: No Serviceable Parts - Purchase Complete Assembly)	
45	1001265914	1	Cover, Pedal	
46	1001266488	1	Lamp, LED Indicator	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001275931	1	Seat, Suspension (See Separate Breakdown in this Section)	
48	1001288679	1	Harness, Seat Belt Alarm (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
49	1001289539	1	Beacon Switch	
50	1001284403	1	Harness, Beacon Option (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
51	1001182091	1	Duct, Wire (Not Shown)	

FIGURE 6-4. CAB ASSEMBLY - OPEN

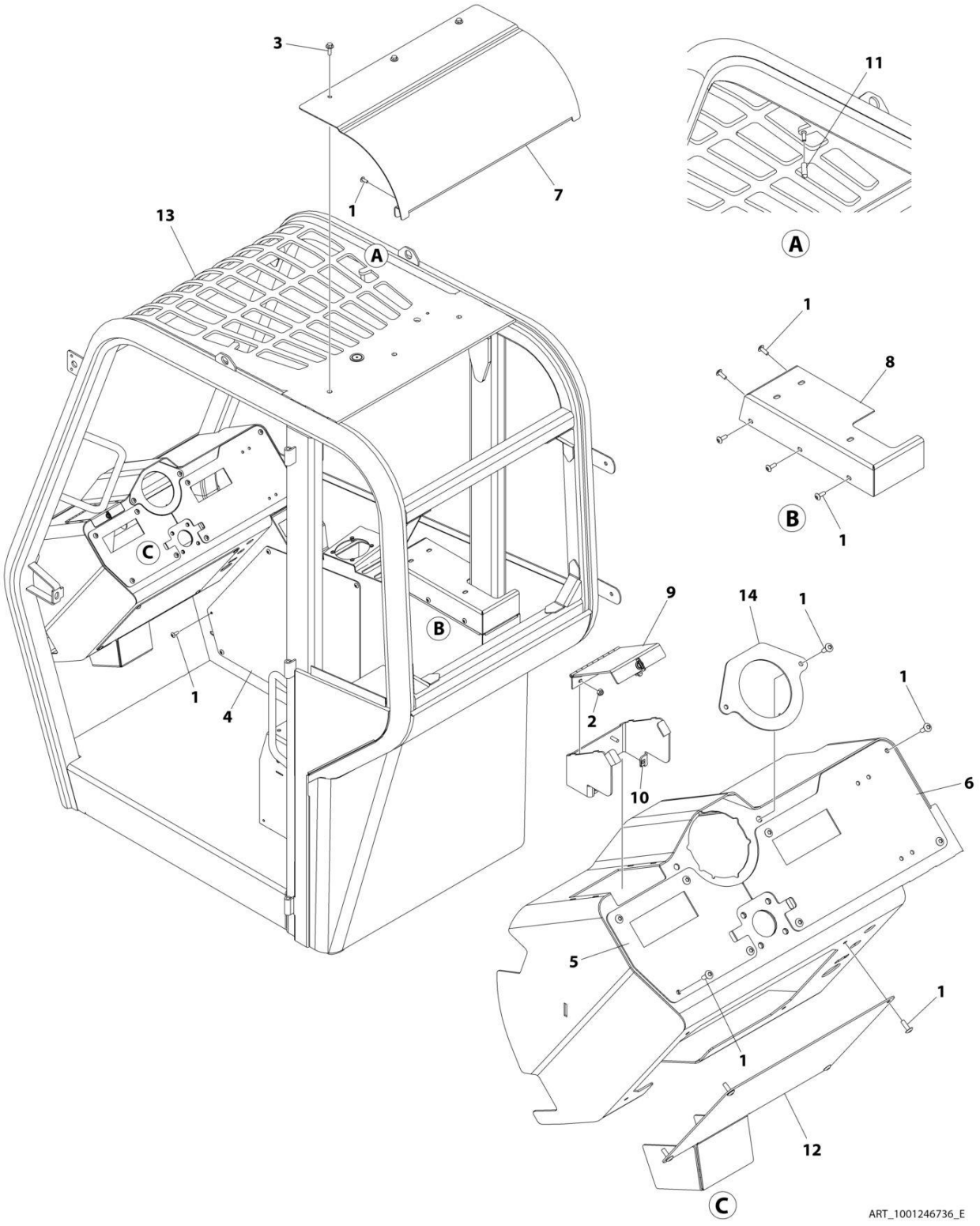


FIGURE 6-4. CAB ASSEMBLY - OPEN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246736	Ref	CAB OPEN	E
1	8303034	27	Screw 1/4 x 3/4	
2	8310085	2	Nut M10	
3	1001149227	3	Screw 5/16 x 1	
4	1001160788	1	Panel, RH Console Access Plate	
5	1001160790	1	Panel, LH Dash Cover	
6	1001160791	1	Panel, RH Dash Cover	
7	1001160815	1	Panel, Roof Cover	
8	1001165617	1	Assembly, Side Console Access Panel	
9	1001202189	1	Door, Brake Reservoir	
10	1001202202	2	Nut	
11	1001202615	2	Cap, Silicon Stud Cover	
12	1001202746	1	Panel, Brake Access Plate	
13	1001246735	1	Cab Weldment	
14	1001301624	1	Panel, Dash Gauge	

FIGURE 6-5. OPEN CAB INSTALLATION WITH RED LED LIGHT ON DASHBOARD

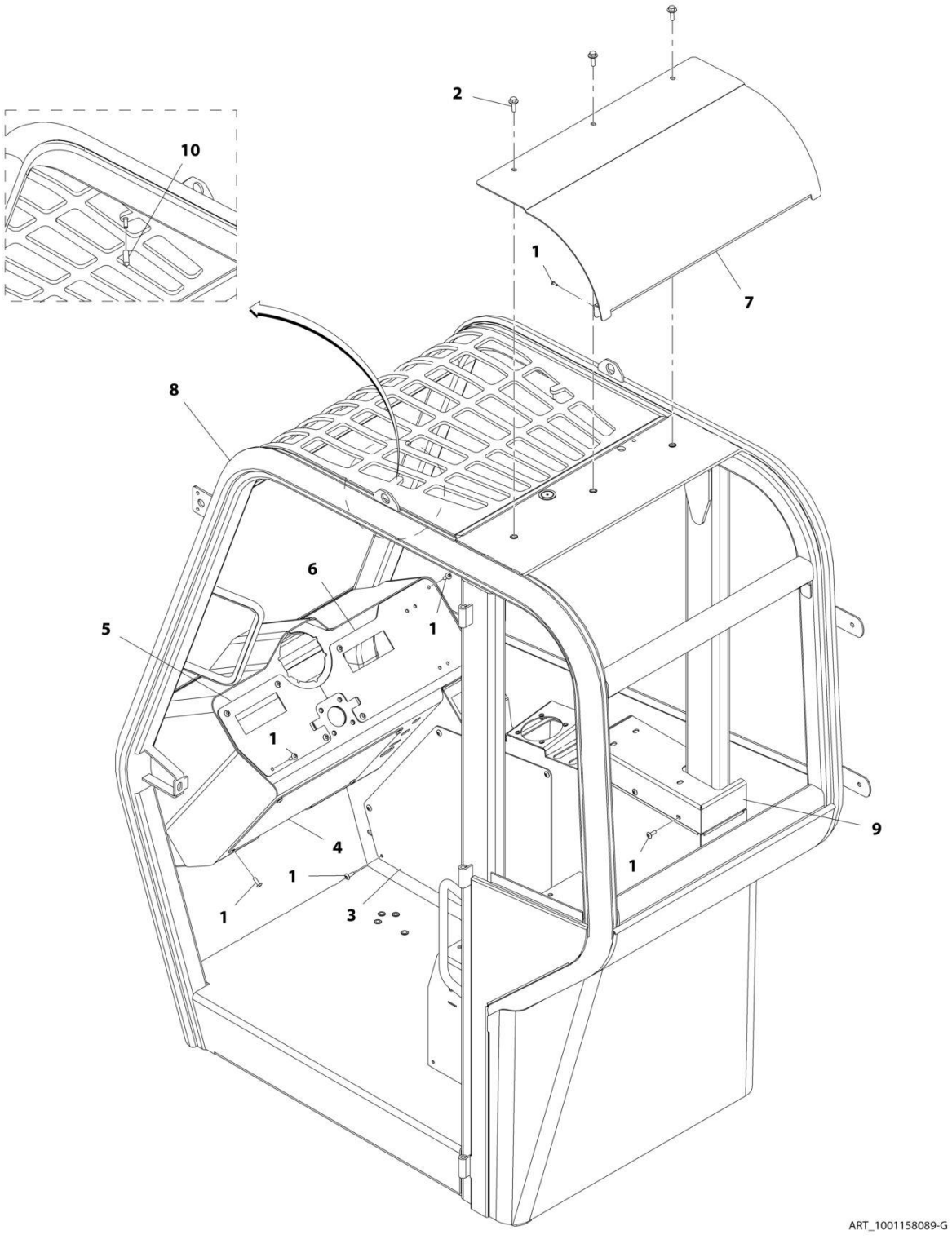
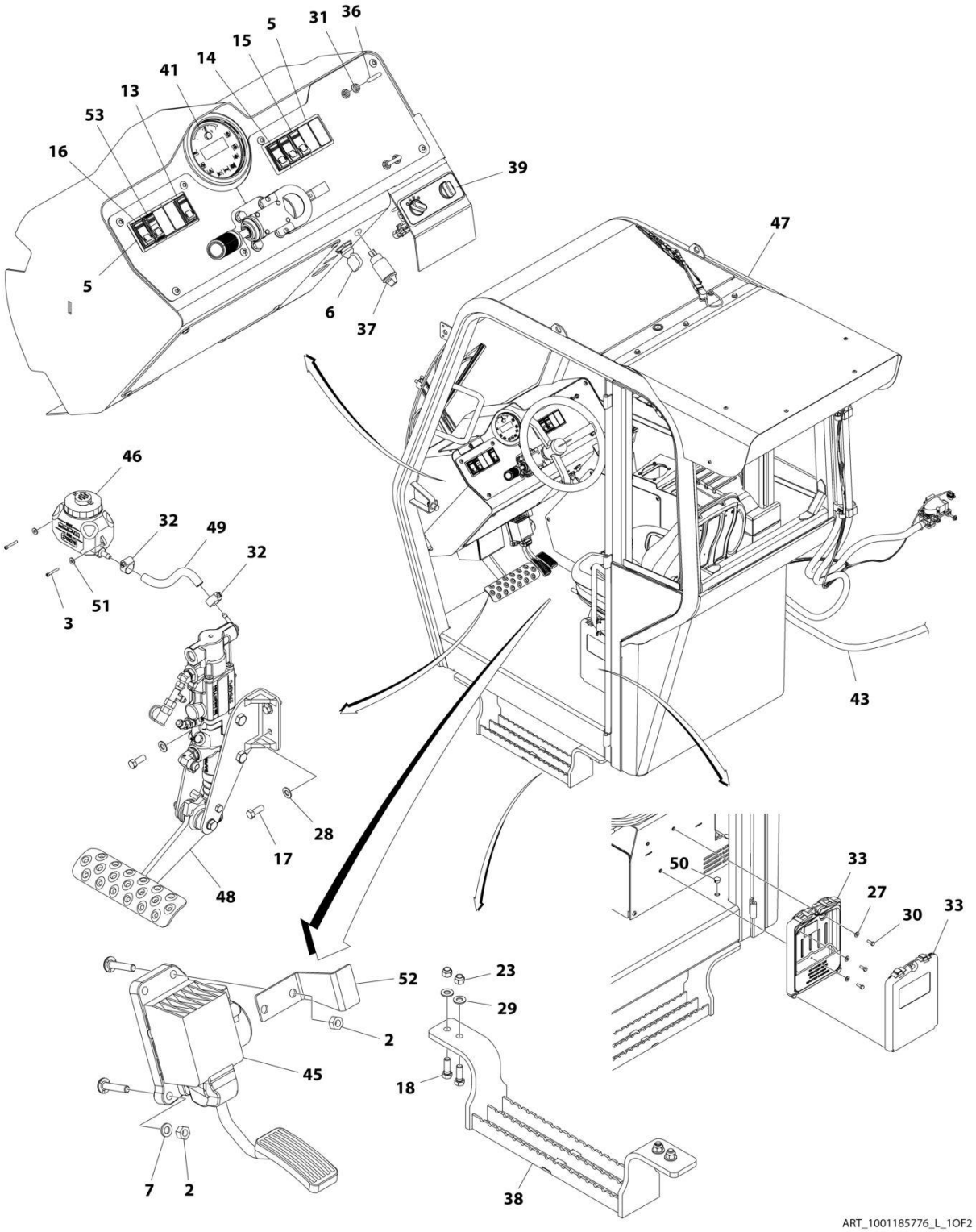
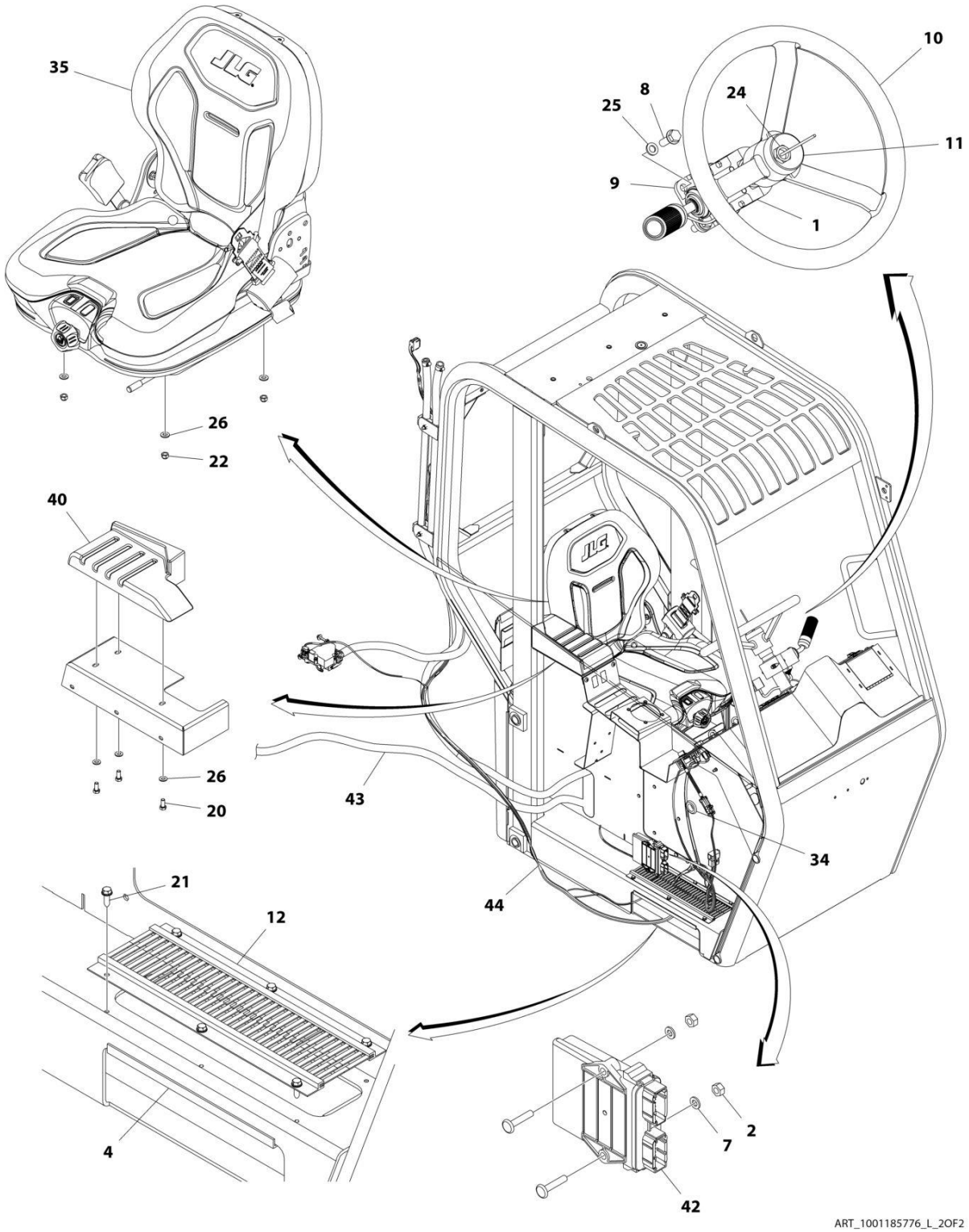


FIGURE 6-5. OPEN CAB INSTALLATION WITH RED LED LIGHT ON DASHBOARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158089	Ref	Open Cab	H
1	8303034	25	Screw, 1/4-20X3/4	
2	1001149227	3	Screw, Hex Flange 5/16-18X1	
3	1001160788	1	Panel, RH Console Access Plate	
4	1001160789	1	Panel, Brake Access Plate	
5	1001160790	1	Panel, LH Dash Cover	
6	1001160791	1	Panel, RH Dash Cover	
7	1001160815	1	Panel, Roof Cover	
8	1001165583	1	Weldment, Cab	
9	1001165617	1	Assembly, Side Console Access Panel	
10	1001202615	2	Cap, Silicone Stud Cover	

FIGURE 6-6. CAB INSTALLATION - ENCLOSED CAB WITH HEATER/AC (ORANGE SEAT BELT)

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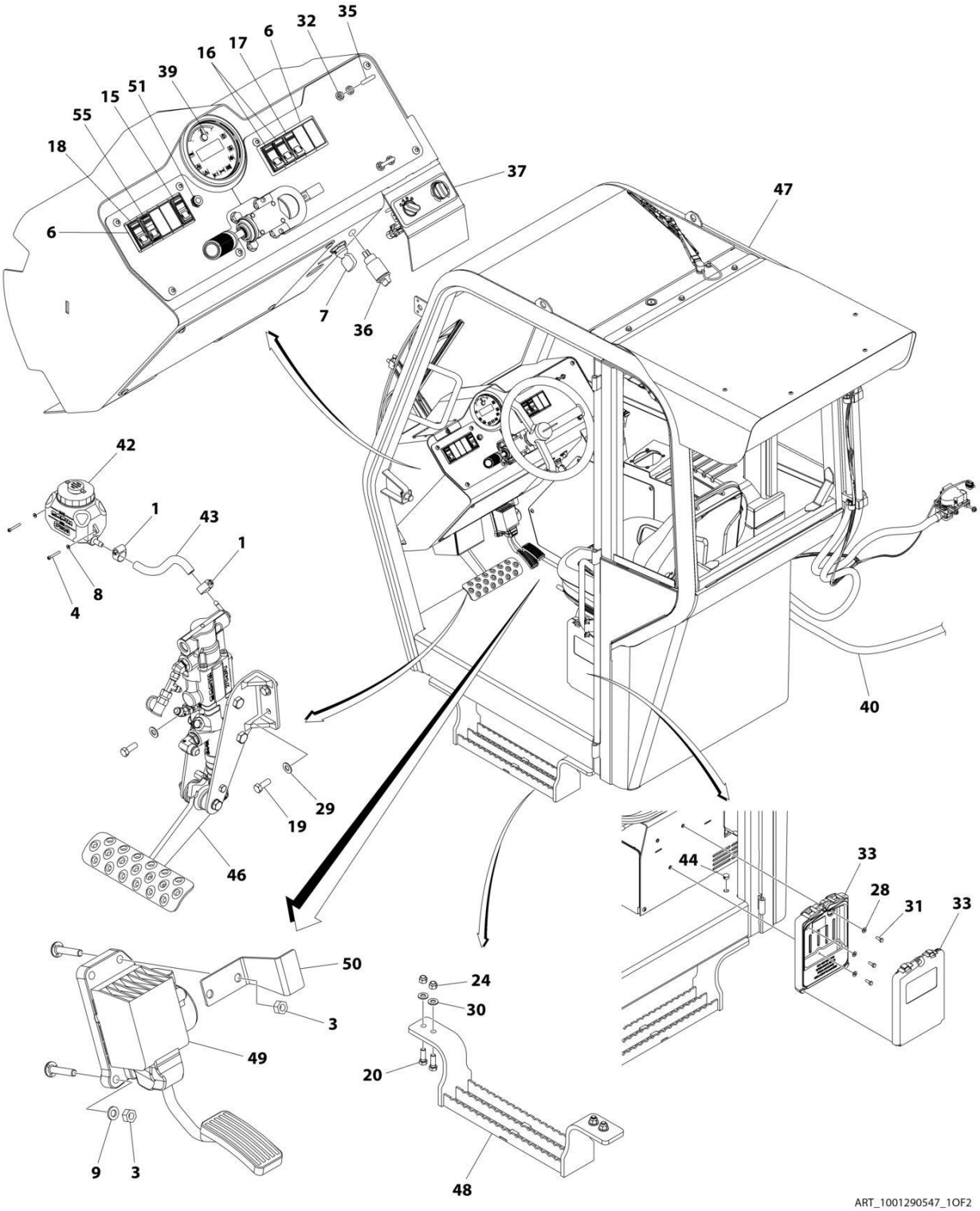
ART_1001185776_L_2OF2

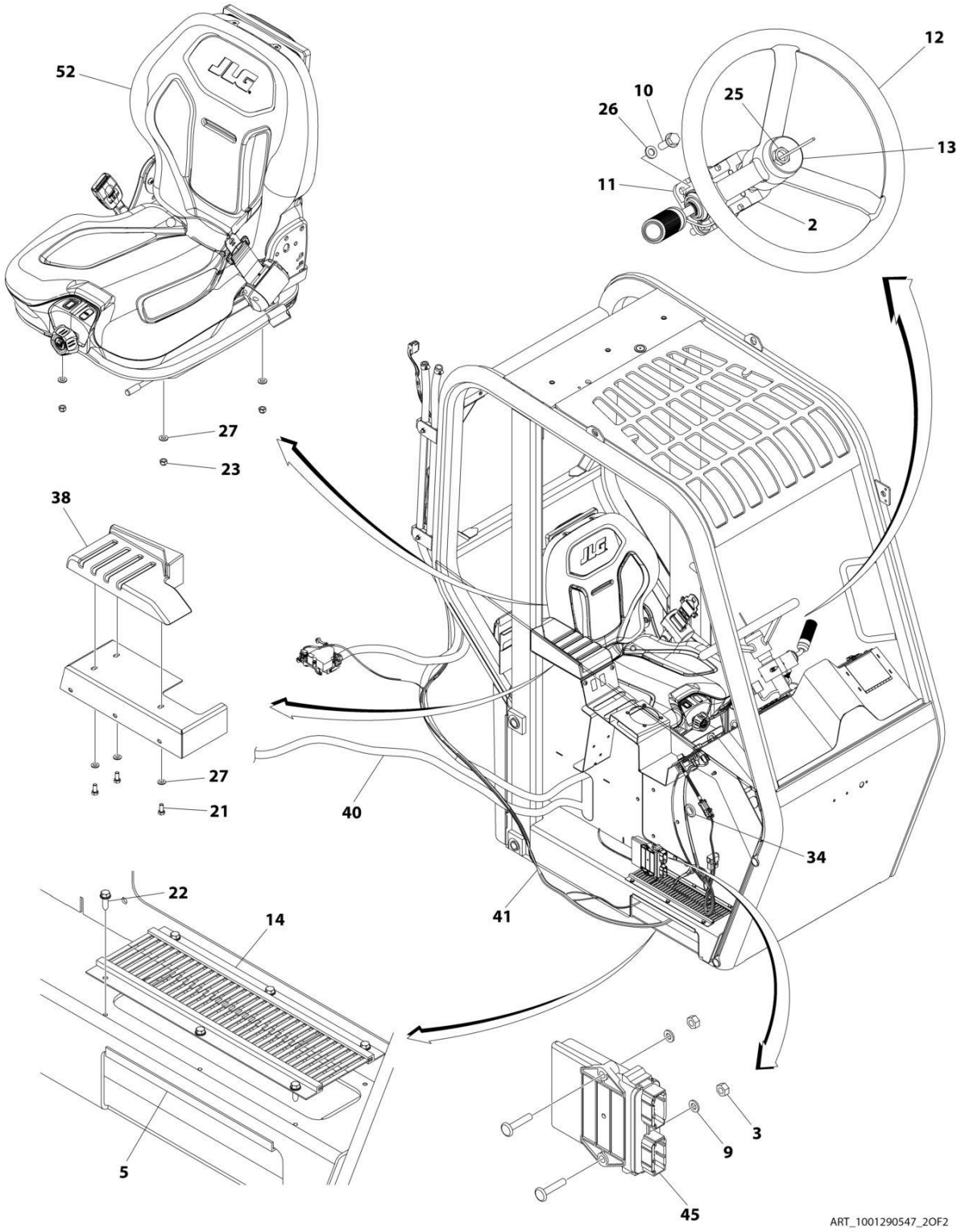
FIGURE 6-6. CAB INSTALLATION - ENCLOSED CAB WITH HEATER/AC (ORANGE SEAT BELT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185776	Ref	ENCLOSED CAB WITH HEATER INSTALLATION	L
1	1600429	1	Selector, Transmission Control	
2	3311401	5	Nut 1/4	
3	3930610	2	Bolt 6 x 5/8	
4	4060806	11 in	Shield, Flex Trim, 5/16	
5	4360569	2	Switch, Bezel	
6	4360690	1	Switch, Ignition	
6	8035807	1	Key (with cover)	
7	4761400	3	Washer 1/4	
8	5251014	4	Bolt M10 x 30	
9	7138833	1	Column, Steering	
10	7138836	1	Wheel, Steering	
11	7138878	1	Button, Horn	
12	7138944	2	Strips, Brush	
13	8223037	1	Switch, Steer Select	
14	8223043	2	Switch, Windscreen Wiper	
15	8223044	1	Switch, Windscreen Washer	
16	8223054	1	Switch, Park Brake	
17	8303620	4	Bolt 3/8 x 1	
18	8303626	4	Bolt 1/2 x 1-1/2	
20	8303697	3	Bolt 5/16 x 3/4	
21	8303982	6	Screw 1/4 x 3/4	
22	8305626	4	Nut 5/16	
23	8305644	4	Nut 1/2	
24	8305916	1	Nut, Steering Column	
25	8307023	4	Washer M10	
26	8307106	7	Washer 5/16	
27	8307109	3	Washer 1/4	
28	8307110	4	Washer 3/8	
29	8307112	4	Washer 1/2	
30	8310026	3	Bolt 1/4 x 3/4	
31	8310382	8	Nut 1/4	
32	1320022	2	Clamp, Fuel Line	
33	8990147	1	Holder, Manual	
34	1001081049	1	Grommet, Split	
35	1001275934	1	Seat, Cab (See Separate Breakdown in this Section)	
36	1001102844	2	Bolt 1/4 x 1-1/4	
37	1001114867	1	Socket, 12V Power Point	
38	1001256519	1	Mount, Cab Step	
39	1001159850	1	Panel, Heater Control	
40	1001159878	1	Support, Armrest	
41	1001170738	1	Gauge	
42	1001292279	1	Controller	
43	1001171807	1	Installation, Cab Heater Lines (See Separate Breakdown in this Section)	
44	1001178347	1	Harness, HVAC (See Separate Breakdown in ELECTRICAL Section)	
45	1001264554	1	Accelerator (Note: No Serviceable Parts - Purchase Complete Assembly)	
46	1001183164	1	Reservoir, Brake Valve	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001246737	1	Cab, Enclosed with Heater (See Separate Breakdown in this Section)	
48	1001223052	1	Assembly, Brake (See Separate Breakdown in CONTROLS Section)	
49	1001201658	1	Hose	
50	1001207963	1	Plug, 5/8	
51	4710600	2	Washer #6	
52	1001265914	1	Cover, Pedal	
53	1001289539	1	Switch, Beacon	
54	1001284403	1	Harness, Beacon Option (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 6-7. CAB INSTALLATION - ENCLOSED CAB WITH HEATER

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ART_1001290547_2OF2

FIGURE 6-7. CAB INSTALLATION - ENCLOSED CAB WITH HEATER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290547	Ref	CLOSED CAB WITH HEAT INSTALLATION	B
1	1320022	2	Clamp, Fuel Line	
2	1600429	1	Selector, Transmission Control	
3	3311401	5	Nut 1/4	
4	3930610	2	Bolt #6 x 5/8	
5	4060806	11 in	Shield, Flex Trim 5/16	
6	4360569	2	Switch, Bezel	
7	4360690	1	Switch, Ignition	
7	8035807	1	Key (with cover)	
8	4710600	2	Washer #6	
9	4761400	3	Washer 1/4	
10	5251014	4	Bolt M10 x 30	
11	7138833	1	Column, Steering	
12	7138836	1	Wheel, Steering	
13	7138878	1	Button, Horn	
14	7138944	2	Strips, Brush	
15	8223037	1	Switch, Steer Select	
16	8223043	2	Switch, Windscreen Wiper	
17	8223044	1	Switch, Windscreen Washer	
18	8223054	1	Switch, Park Brake	
19	8303620	4	Bolt 3/8 x 1	
20	8303626	4	Bolt 1/2 x 1-1/2	
21	8303697	3	Bolt 5/16 x 3/4	
22	8303982	6	Screw 1/4 x 3/4	
23	8305626	4	Nut 5/16	
24	8305644	4	Nut 1/2	
25	8305916	1	Nut, Steering Column	
26	8307023	4	Washer M10	
27	8307106	7	Washer 5/16	
28	8307109	3	Washer 1/4	
29	8307110	4	Washer 3/8	
30	8307112	4	Washer 1/2	
31	8310026	3	Bolt 1/4 x 3/4	
32	8310382	8	Nut 1/4	
33	8990147	1	Holder, Manual	
34	1001081049	1	Grommet	
35	1001102844	2	U-Bolt 1/4 x 1-1/4	
36	1001114867	1	Socket, 12V Power Point	
37	1001159850	1	Panel, Heater Control	
38	1001159878	1	Support, Armrest	
39	1001170738	1	Gauge	
40	1001171807	1	Installation, Cab Heater Lines (See Separate Breakdown in this Section)	
41	1001178347	1	Harness, HVAC (See Separate Breakdown in ELECTRICAL Section)	
42	1001183164	1	Reservoir, Brake Valve	
43	1001201658	1	Hose	
44	1001207963	1	Plug, 5/8	
45	1001292279	1	Controller	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001223052	1	Assembly, Brake (See Separate Breakdown in CONTROLS Section)	
47	1001246737	1	Cab, Enclosed with Heater (See Separate Breakdown in this Section)	
48	1001256519	1	Mount, Cab Step	
49	1001264554	1	Accelerator (Note: No Serviceable Parts - Purchase Complete Assembly)	
50	1001265914	1	Cover, Pedal	
51	1001266488	1	Lamp, LED Indicator	
52	1001275931	1	Seat, Suspension (See Separate Breakdown in this Section)	
53	1001288679	1	Harness, Seat Belt Alarm (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
54	1001284403	1	Harness, Beacon Option (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
55	1001289539	1	Beacon Switch	

FIGURE 6-8. CAB ASSEMBLY - ENCLOSED WITH HEATER & BREAK RESERVOIR

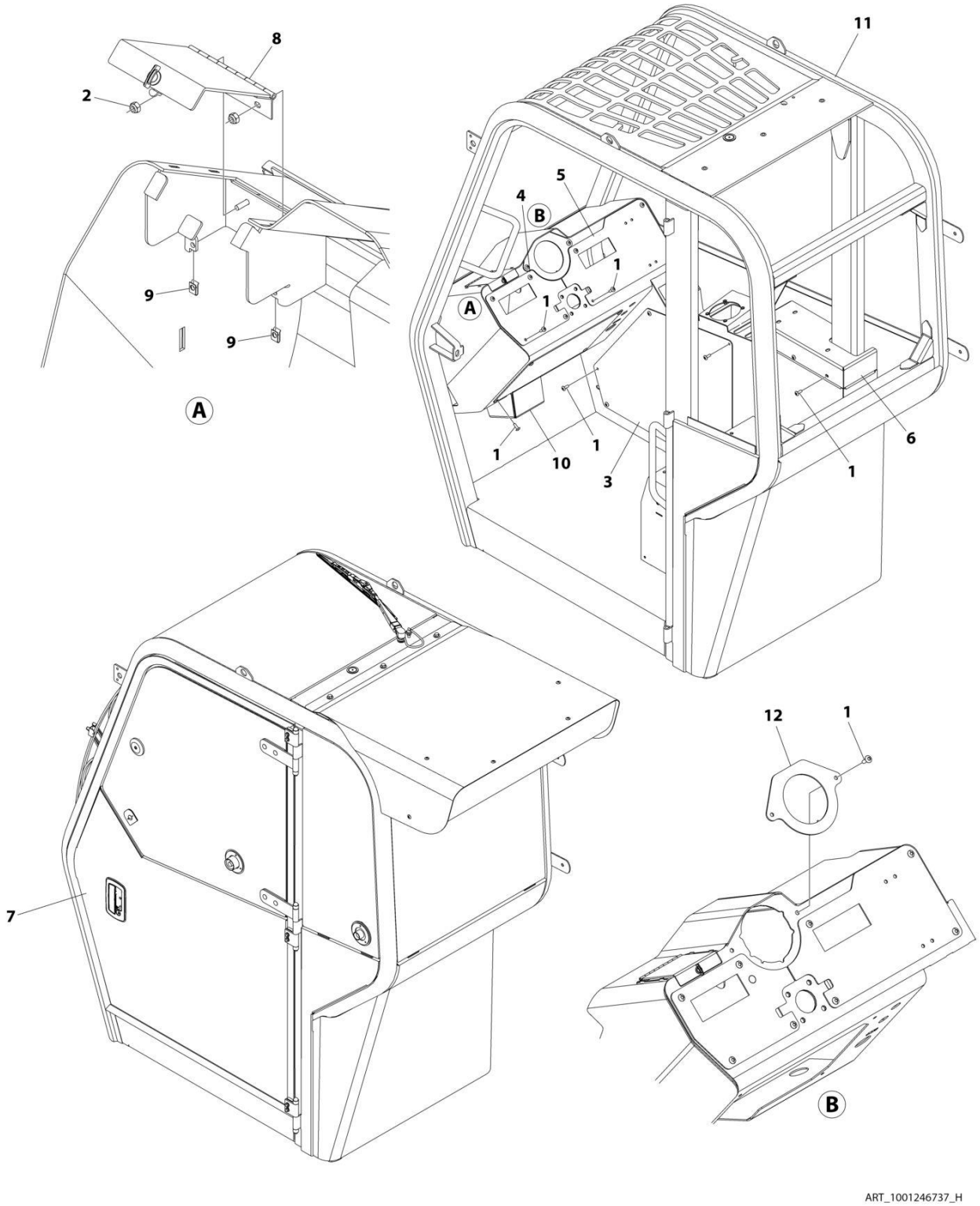


FIGURE 6-8. CAB ASSEMBLY - ENCLOSED WITH HEATER & BREAK RESERVOIR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246737	Ref	CAB ENCLOSED WITH HEATER	H
1	8303034	24	Screw 1/4 x 3/4	
2	8310085	2	Nut	
3	1001160788	1	Panel, RH Console Access Plate	
4	1001160790	1	Panel, LH Dash Cover	
5	1001160791	1	Panel, RH Dash Cover	
6	1001165617	1	Assembly, Side Console Access Panel	
7	1001165823	1	Enclosure, Cab (See Separate Breakdown in this Section)	
8	1001202189	1	Door, Brake Reservoir	
9	1001202202	2	Nut	
10	1001202746	1	Panel, Brake Access Plate	
11	See Note	NSS	Cab (Purchase Complete Assembly)	
12	1001301624	1	Panel, Dash Gauge	

FIGURE 6-9. CAB ASSEMBLY - ENCLOSED WITH HEATER

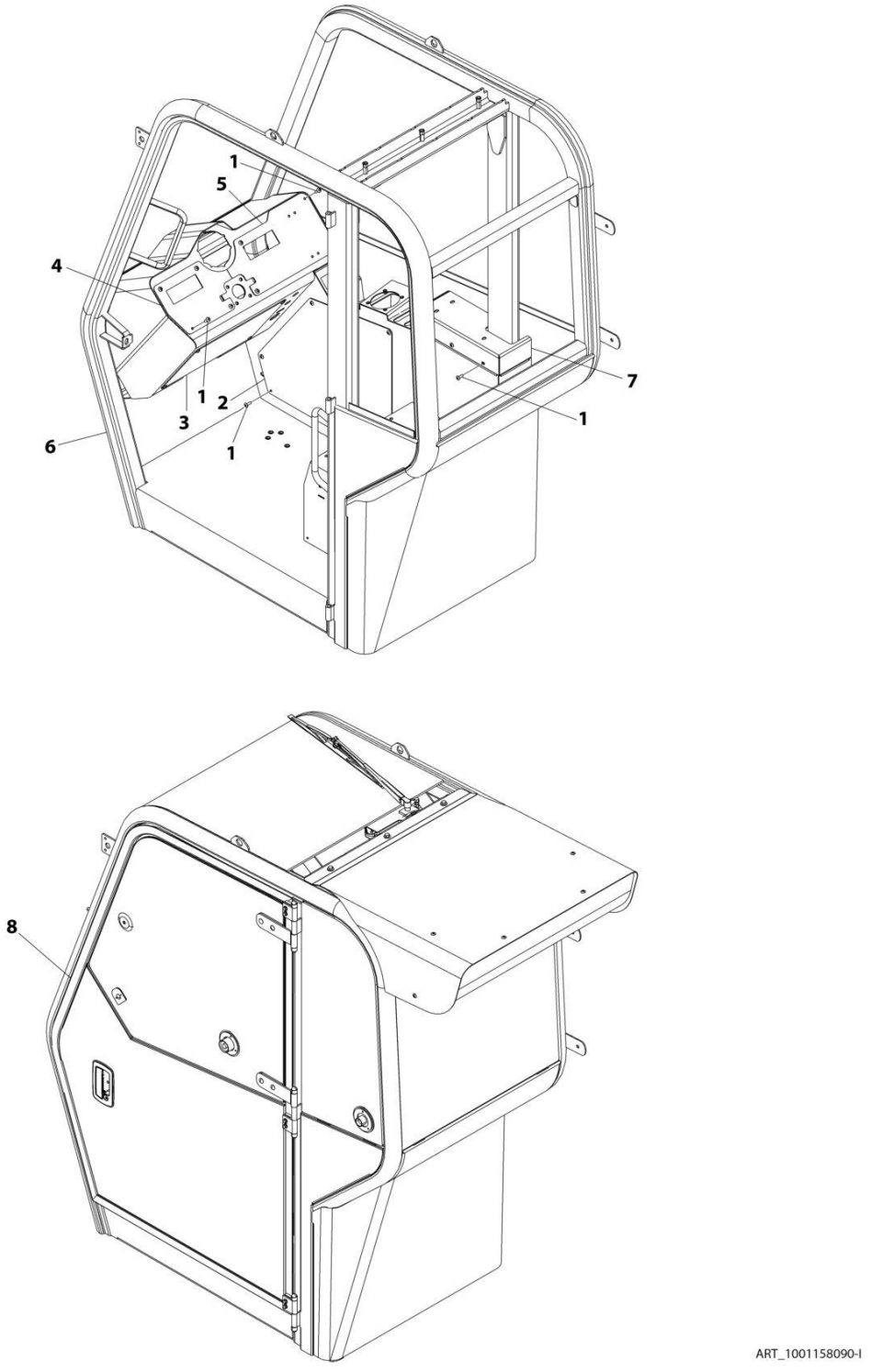


FIGURE 6-9. CAB ASSEMBLY - ENCLOSED WITH HEATER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158090	Ref	Enclosed Cab with Heater	K
1	8303034	22	Screw, 1/4-20X3/4	
2	1001160788	1	Panel, RH Console Access Plate	
3	1001160789	1	Panel, Brake Access Plate	
4	1001160790	1	Panel, LH Dash Cover	
5	1001160791	1	Panel, RH Dash Cover	
6	1001165583	1	Weldment, Cab	
7	1001165617	1	Assembly, Side Console Access Panel	
8	1001165823	1	Enclosure, Cab (See CAB ENCLOSURE for Breakdown)	

FIGURE 6-10. CAB ENCLOSURE WITH HEATER

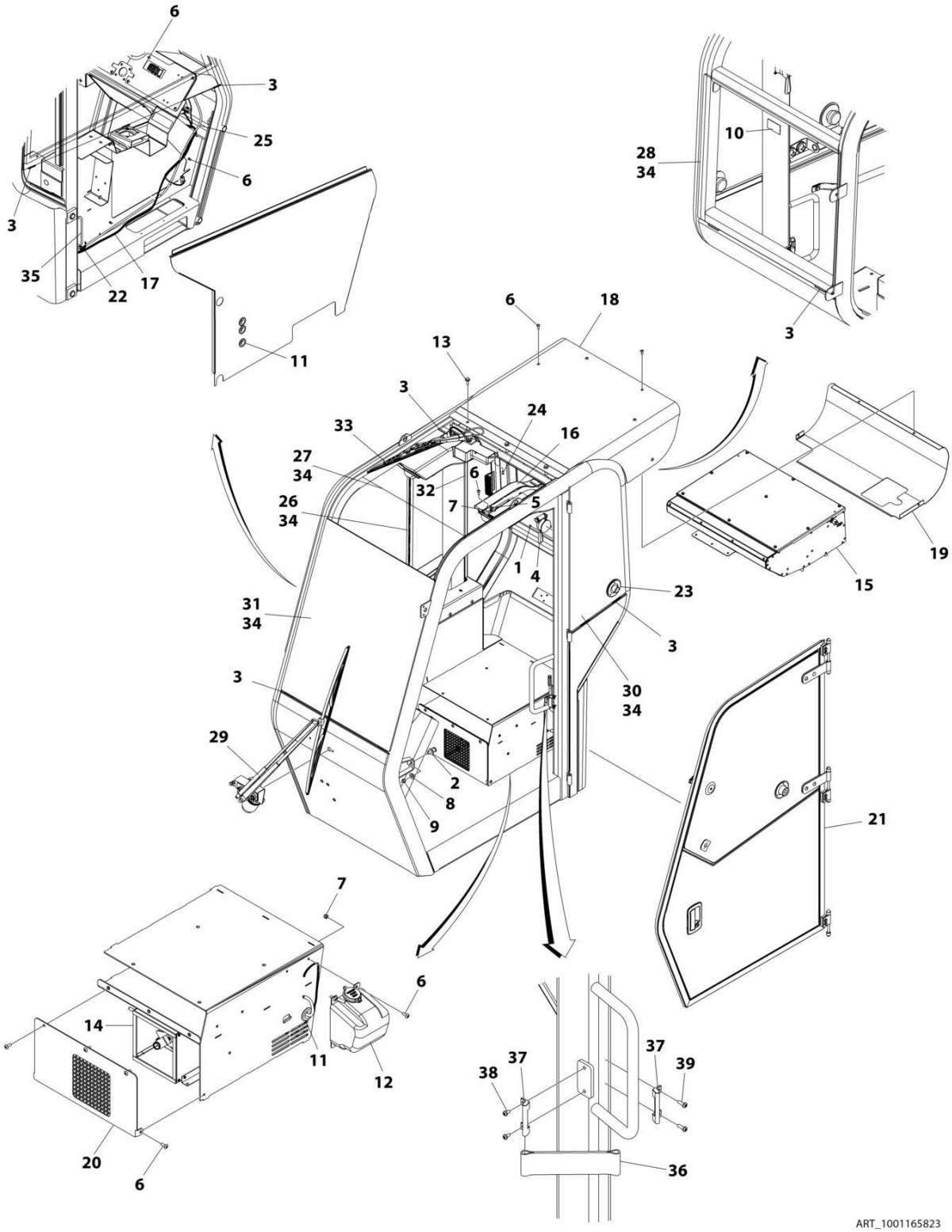
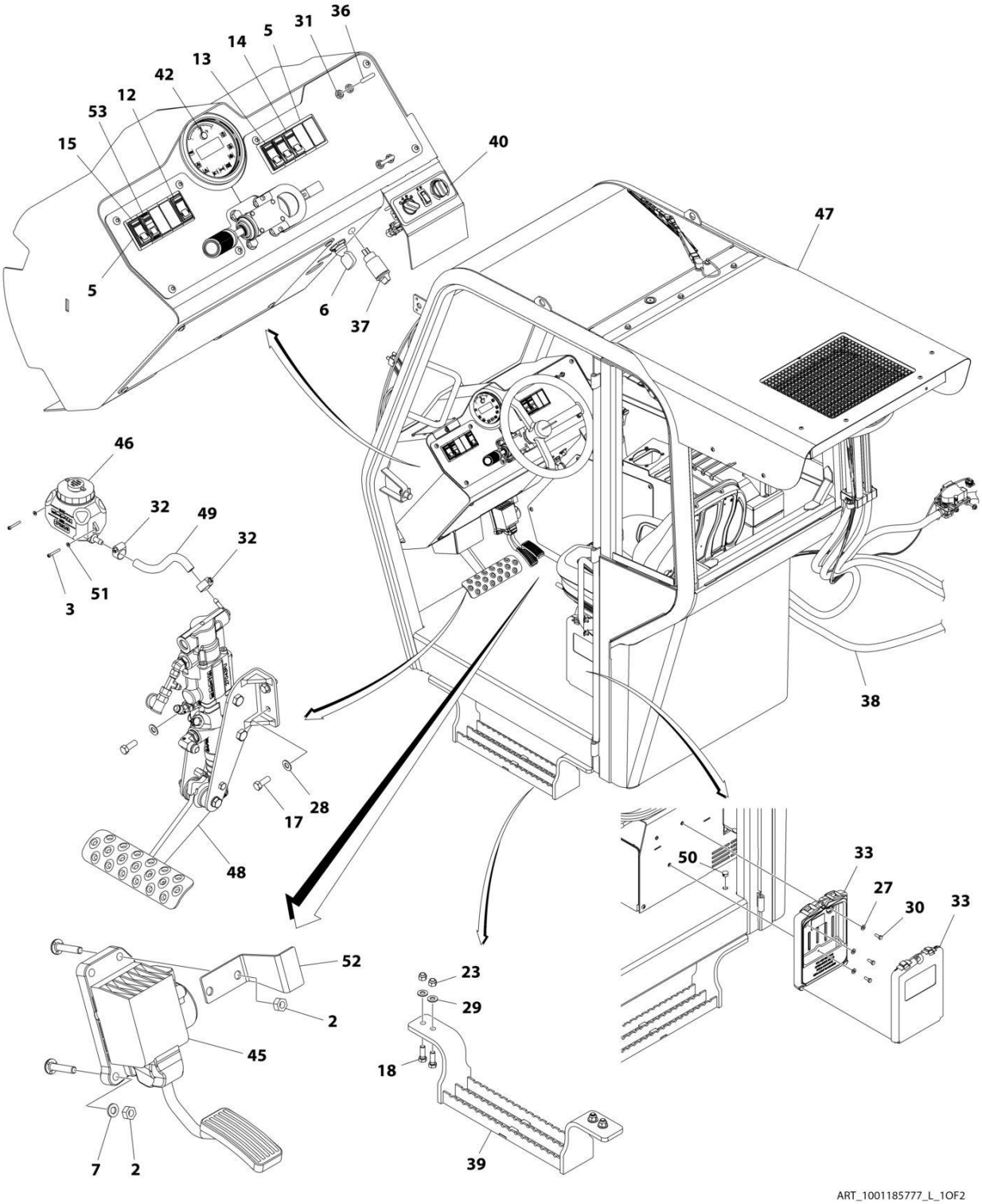


FIGURE 6-10. CAB ENCLOSURE WITH HEATER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165823	Ref	CAB ENCLOSURE	O
1	91404298	3	Rivet	
2	1001109478	1	Latch, Striker	
3	1001181968	13	Mould, Setting Block	
4	91404301	1	Hammer, Emergency	
5	4711400	2	Washer 1/4	
6	8303034	33	Screw 1/4 x 3/4	
7	8305624	4	Nut 1/4	
8	8307112	1	Washer 1/2	
9	8310109	1	Nut 7/164	
10	91404299	1	Decal, Escape	
11	1001081049	4	Grommet, Split	
12	1001111112	1	Tank, Window Washer Fluid	
12	70025480	1	Pump, Reservoir	
13	1001149227	3	Screw 5/16 x 1	
14	1001159856	1	Heater Assembly - Floor (See Separate Breakdown in this Section)	
15	1001159860	1	HVAC Assembly - Roof Top (See Separate Breakdown in this Section)	
16	1001160785	2	Duct, HVAC	
17	1001178349	1	Harness, Wiper (See Separate Breakdown in ELECTRICAL Section)	
18	1001164282	1	Hood, Top	
19	1001164284	1	Hood, Bottom	
20	1001164717	1	Panel, Floor Heater Access	
21	1001165806	1	Door, Cab (See Separate Breakdown in this Section)	
22	1001008742	1	Coupling, Tee	
23	1001081243	1	Retainer, Door Window Hold	
24	0630464	1	Screw #10 x 1/2	
25	82033997	168 in	Hose, Washer Fluid	
26	8036050	1	Window, RH Slider (See Separate Breakdown in this Section)	
27	7138958	1	Glass, Skylight	
28	1001181707	1	Window, Rear	
29	8036056	1	Assembly, Front Wiper (See Separate Breakdown in this Section)	
30	1001181893	1	Window, LH Rear	
31	1001181903	1	Window, Windshield	
32	1001182091	1	Duct, Wire	
33	1001182470	1	Wiper, Skylight (See Separate Breakdown in this Section)	
34	1001177746	AR	Compound, Locking	
35	4060803	16.5 in	Flex-Trim	
36	80384218	1	Strap, Door	
37	1001196128	2	Bracket, Strap Holder	
38	1001197098	2	Screw #10 x 3/8	
39	1001197099	2	Screw #10 x 5/8	

FIGURE 6-11. CAB INSTALLATION - ENCLOSED CAB WITH HEATER/AC



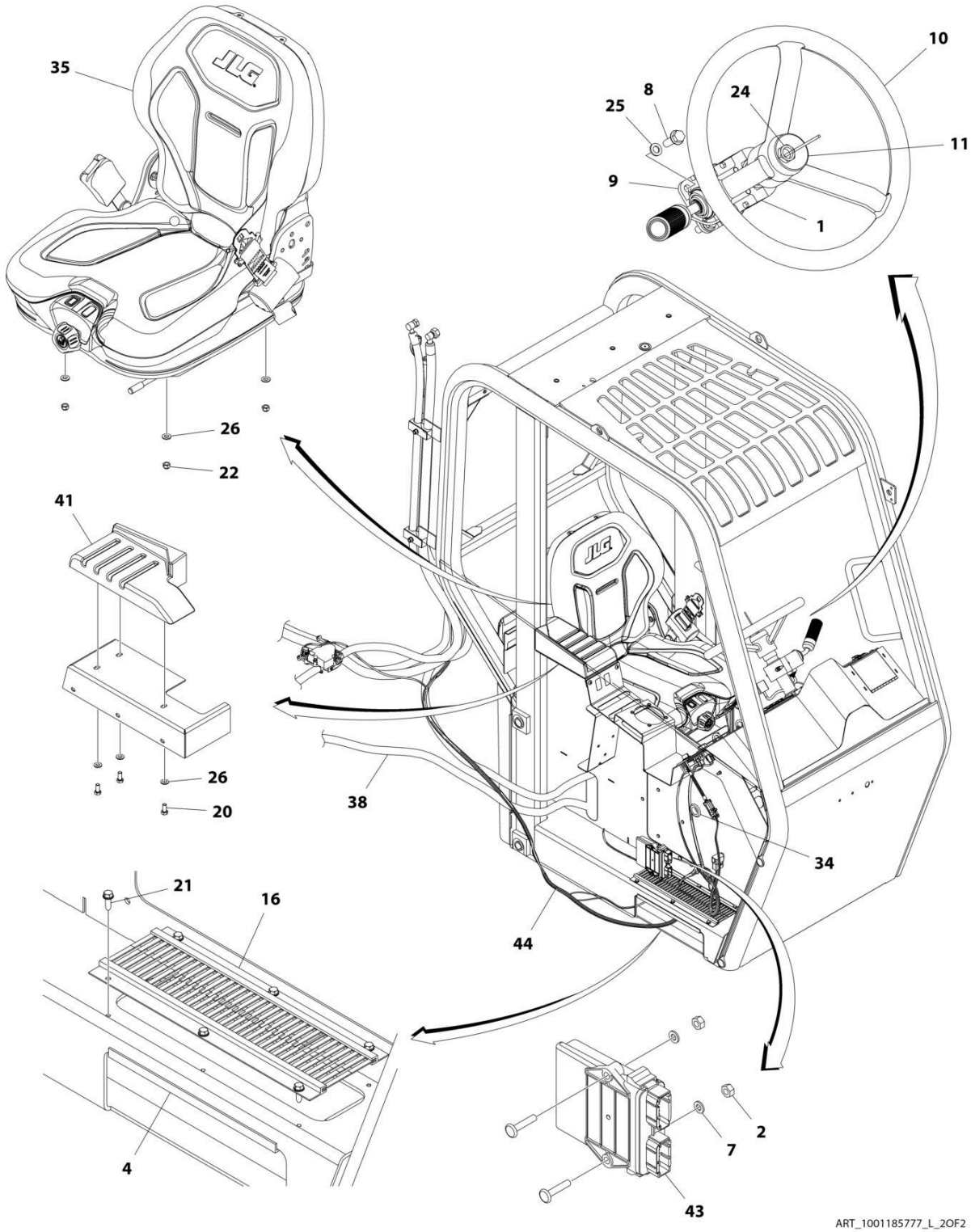

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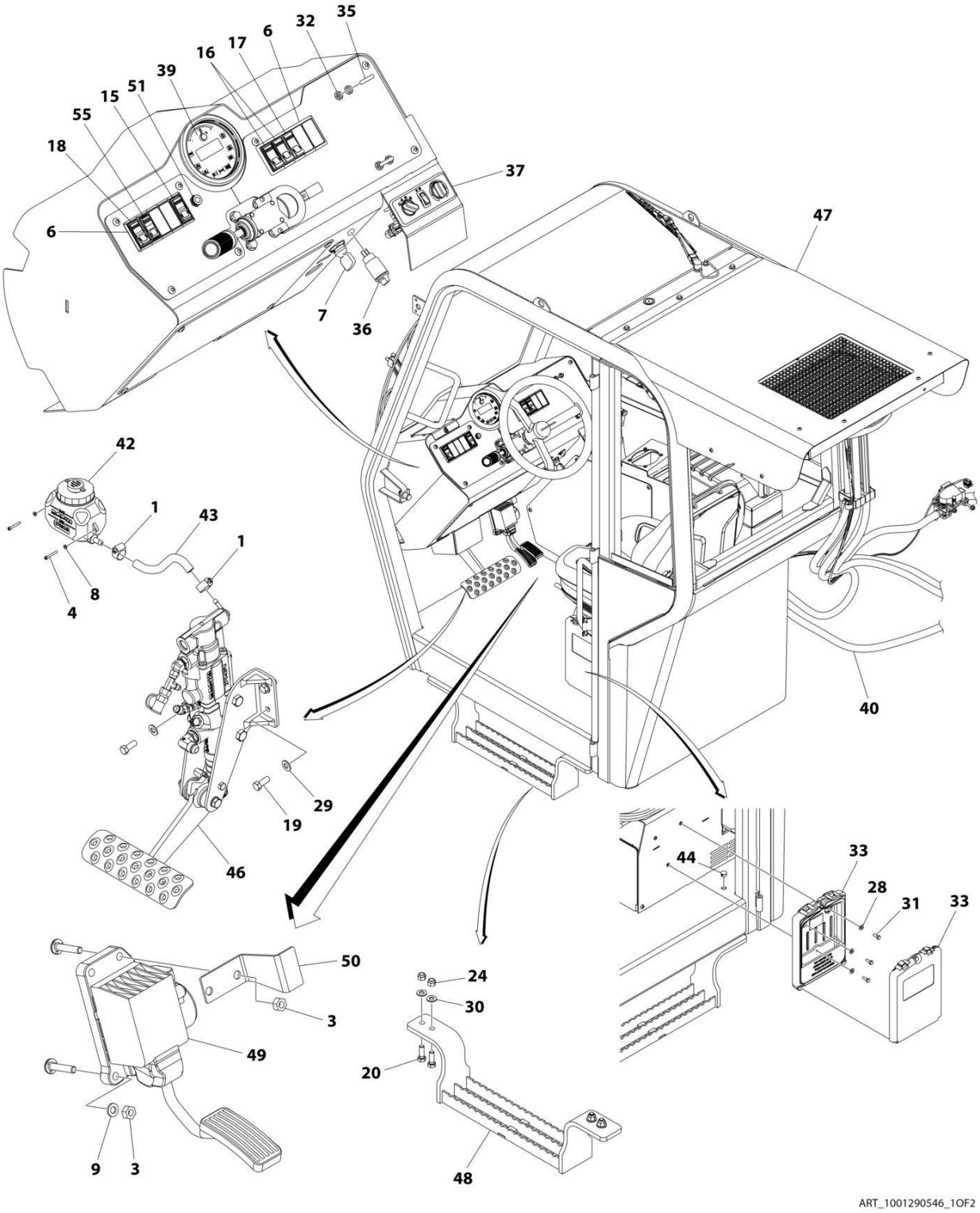
FIGURE 6-11. CAB INSTALLATION - ENCLOSED CAB WITH HEATER/AC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185777	Ref	ENCLOSED CAB WITH HEATER/AC INSTALLATION	L
1	1600429	1	Selector, Transmission Control	
2	3311401	5	Nut 1/4	
3	3930610	2	Bolt #6 x 5/8	
4	4060806	11 in	Shield, Flex Trim 5/16	
5	4360569	2	Switch, Bezel	
6	4360690	1	Switch, Ignition	
7	4761400	3	Washer 1/4	
8	5251014	4	Bolt M10 x 30	
9	7138833	1	Column, Steering	
10	7138836	1	Wheel, Steering	
11	7138878	1	Button, Horn	
12	8223037	1	Switch, Steer Select	
13	8223043	2	Switch, Windscreen Wiper	
14	8223044	1	Switch, Windscreen Washer	
15	8223054	1	Switch, Park Brake	
16	7138944	2	Strips, Brush	
17	8303620	4	Bolt 3/8 x 1	
18	8303626	4	Bolt 1/2 x 1-1/2	
20	8303697	3	Bolt 5/16 x 3/4	
21	8303982	6	Screw 1/4 x 3/4	
22	8305626	4	Nut 5/16	
23	8305644	4	Nut 1/2	
24	8305916	1	Nut, Steering Column	
25	8307023	4	Washer M10	
26	8307106	7	Washer 5/16	
27	8307109	3	Washer 1/4	
28	8307110	4	Washer 3/8	
29	8307112	4	Washer 1/2	
30	8310026	3	Bolt 1/4 x 3/4	
31	8310382	8	Nut 1/4	
32	1320022	2	Clamp, Fuel Line	
33	8990147	1	Holder, Manual	
34	1001081049	1	Grommet	
35	1001275934	1	Seat, Cab (See Separate Breakdown in this Section)	
36	1001102844	2	U-Bolt 1/4 x 1-1/4	
37	1001114867	1	Socket, 12V Power Point	
38	1001171806	1	Installation, Cab Heater/AC Lines (See Separate Breakdown in this Section)	
39	1001256519	1	Mount, Cab Step	
40	1001159851	1	Panel, HVAC Control	
40	1001204362	1	Switch, Fan	
40	7301265	1	Switch, A/C	
41	1001159878	1	Support, Armrest	
42	1001170738	1	Gauge	
43	1001292279	1	Controller	
44	1001178347	1	Harness, HVAC (See Separate Breakdown in ELECTRICAL Section)	
45	1001264554	1	Accelerator (Note: No Serviceable Parts - Purchase Complete Assembly)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001183164	1	Reservoir, Brake Valve	
47	1001246738	1	Cab, Enclosed with Heater/AC (See Separate Breakdown in this Section)	
48	1001223052	1	Assembly, Brake (See Separate Breakdown in CONTROLS Section)	
49	1001201658	1	Hose	
50	1001207963	1	Plug, 5/8	
51	4710600	2	Washer #6	
52	1001265914	1	Cover, Pedal	
53	1001289539	1	Switch, Beacon	
54	1001284403	1	Harness, Beacon Option (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 6-12. CLOSED CAB WITH HVAC INSTALLATION



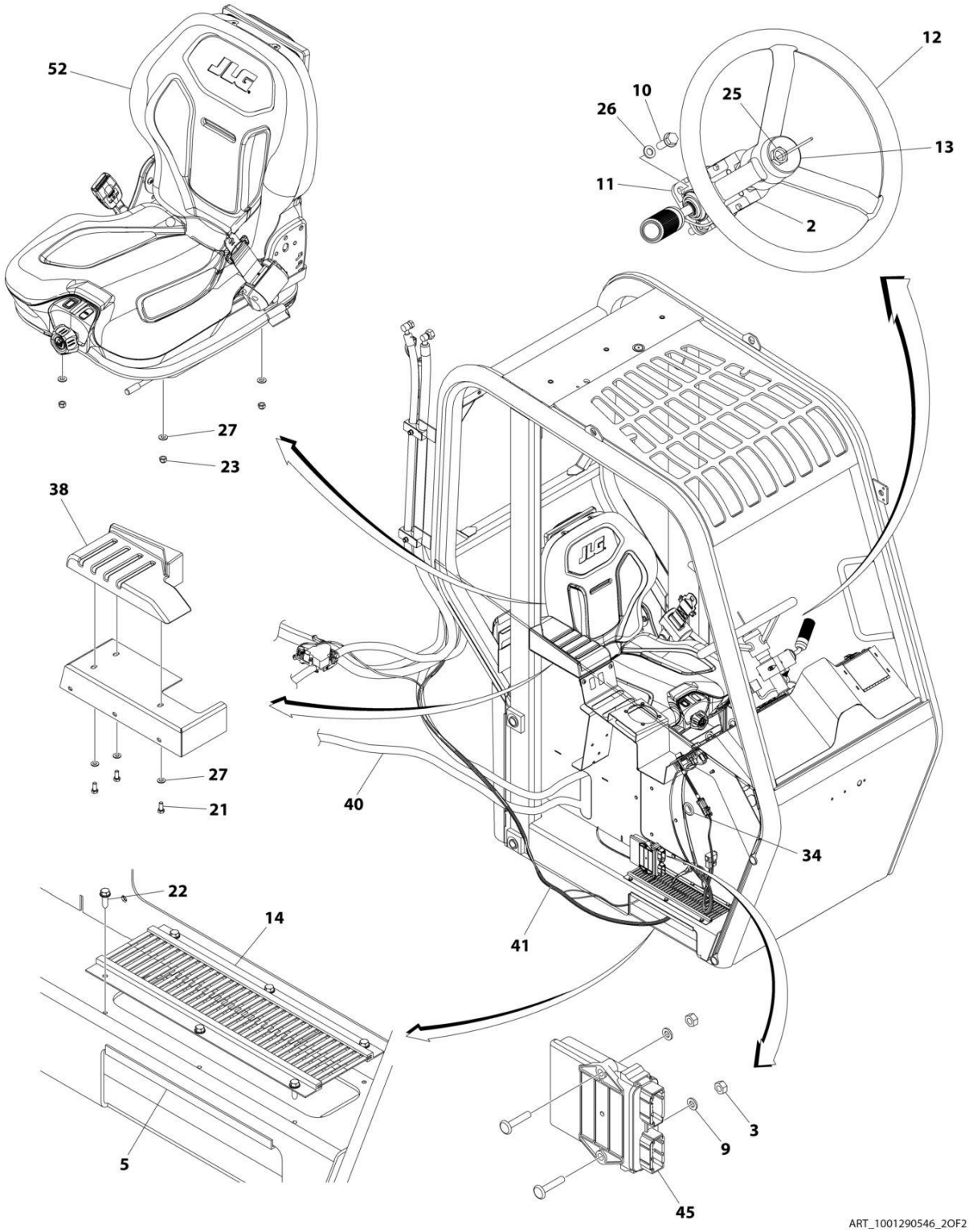

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FIGURE 6-12. CLOSED CAB WITH HVAC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290546	Ref	CLOSED CAB WITH HVAC INSTALLATION	B
1	1320022	2	Clamp, Fuel Line	
2	1600429	1	Selector, Transmission Control	
3	3311401	5	Nut 1/4	
4	3930610	2	Bolt #6 x 5/8	
5	4060806	11 in	Shield, Flex Trim 5/16	
6	4360569	2	Switch, Bezel	
7	4360690	1	Switch, Ignition	
7	8035807	1	Key (with cover)	
8	4710600	2	Washer #6	
9	4761400	3	Washer 1/4	
10	5251014	4	Bolt M10 x 30	
11	7138833	1	Column, Steering	
12	7138836	1	Wheel, Steering	
13	7138878	1	Button, Horn	
14	7138944	2	Strips, Brush	
15	8223037	1	Switch, Steer Select	
16	8223043	2	Switch, Windscreen Wiper	
17	8223044	1	Switch, Windscreen Washer	
18	8223054	1	Switch, Park Brake	
19	8303620	4	Bolt 3/8 x 1	
20	8303626	4	Bolt 1/2 x 1-1/2	
21	8303697	3	Bolt 5/16 x 3/4	
22	8303982	6	Screw 1/4 x 3/4	
23	8305626	4	Nut 5/16	
24	8305644	4	Nut 1/2	
25	8305916	1	Nut, Steering Column	
26	8307023	4	Washer M10	
27	8307106	7	Washer 5/16	
28	8307109	3	Washer 1/4	
29	8307110	4	Washer 3/8	
30	8307112	4	Washer 1/2	
31	8310026	3	Bolt 1/4 x 3/4	
32	8310382	8	Nut 1/4	
33	8990147	1	Holder, Manual	
34	1001081049	1	Grommet	
35	1001102844	2	U-Bolt 1/4 x 1-1/4	
36	1001114867	1	Socket, 12V Power Point	
37	1001159851	1	Panel, HVAC Control	
37	1001204362	1	Switch, Fan	
37	7301265	1	Switch, A/C	
38	1001159878	1	Support, Armrest	
39	1001170738	1	Gauge	
40	1001171806	1	Installation, Cab Heater/AC Lines (See Separate Breakdown in this Section)	
41	1001178347	1	Harness, HVAC (See Separate Breakdown in ELECTRICAL Section)	
42	1001183164	1	Reservoir, Brake Valve	
43	1001201658	1	Hose	
44	1001207963	1	Plug, 5/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001292279	1	Controller	
46	1001223052	1	Assembly, Brake (See Separate Breakdown in CONTROLS Section)	
47	1001246738	1	Cab, Enclosed with Heater/AC (See Separate Breakdown in this Section)	
48	1001256519	1	Mount, Cab Step	
49	1001264554	1	Accelerator (Note: No Serviceable Parts - Purchase Complete Assembly)	
50	1001265914	1	Cover, Pedal	
51	1001266488	1	Lamp, LED Indicator	
52	1001275931	1	Seat, Suspension (See Separate Breakdown in this Section)	
53	1001288679	1	Harness, Seat Belt Alarm (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
54	1001284403	1	Harness, Beacon Option (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
55	1001289539	1	Beacon Switch	

FIGURE 6-13. CAB ASSEMBLY - ENCLOSED WITH HEATER & AC WITH BREAK RESEVOIR

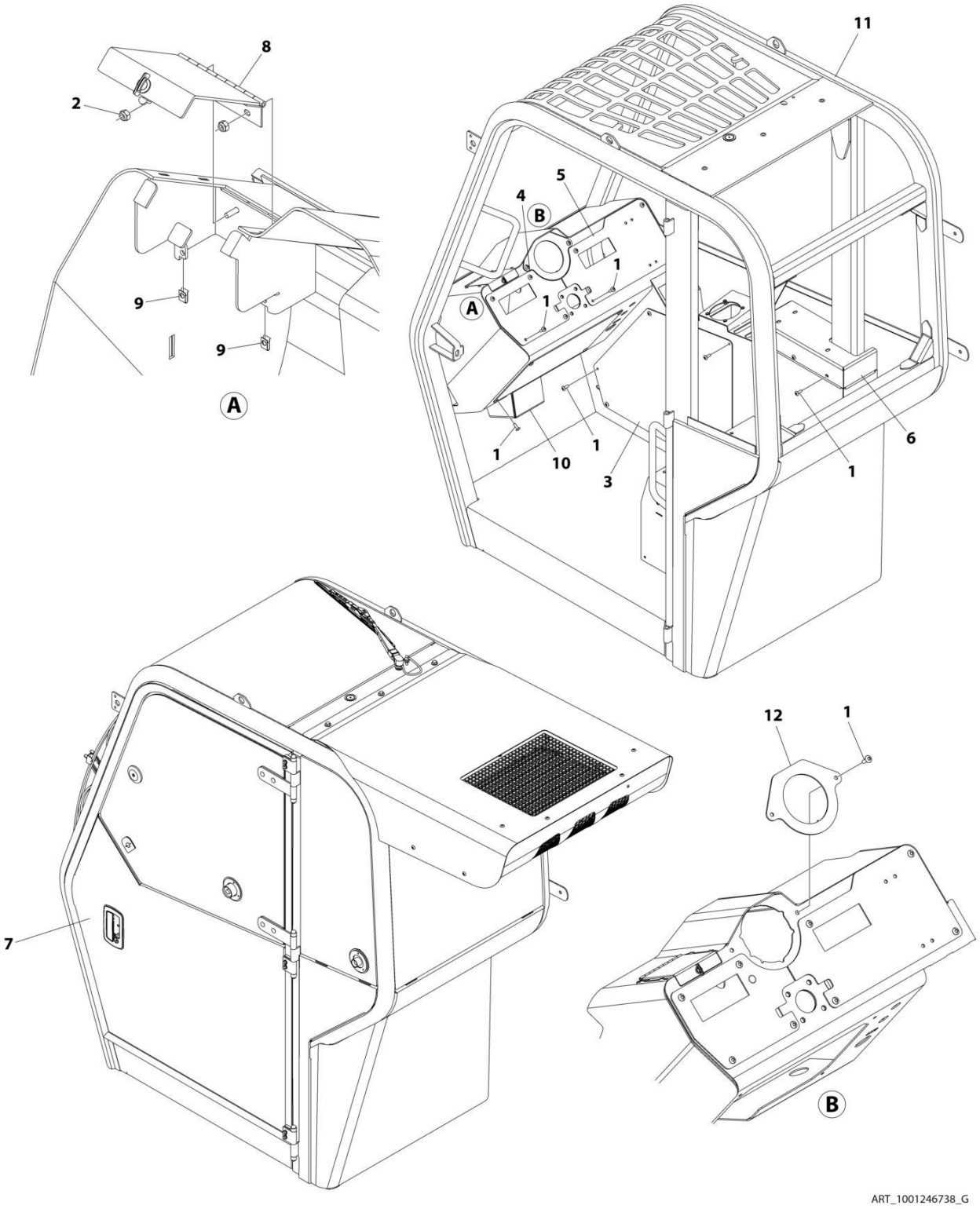

FIGURE 6-13. CAB ASSEMBLY - ENCLOSED WITH HEATER & AC WITH BREAK RESEVOIR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246738	Ref	CAB ENCLOSED WITH HEATER/AC	G
1	8303034	24	Screw 1/4 x 3/4	
2	8310085	2	Nut	
3	1001160788	1	Panel, RH Console Access Plate	
4	1001160790	1	Panel, LH Dash Cover	
5	1001160791	1	Panel, RH Dash Cover	
6	1001165617	1	Assembly, Side Console Access Panel	
7	1001168066	1	Enclosure, Cab HVAC (See Separate Breakdown in this Section)	
8	1001202189	1	Door, Brake Reservoir	
9	1001202202	2	Nut M6	
10	1001202746	1	Panel, Brake Access Plate	
11	1001246735	1	Cab Weldment	
12	1001301624	1	Panel, Dash Gauge	

FIGURE 6-14. CAB ASSEMBLY - ENCLOSED WITH HEATER & AC

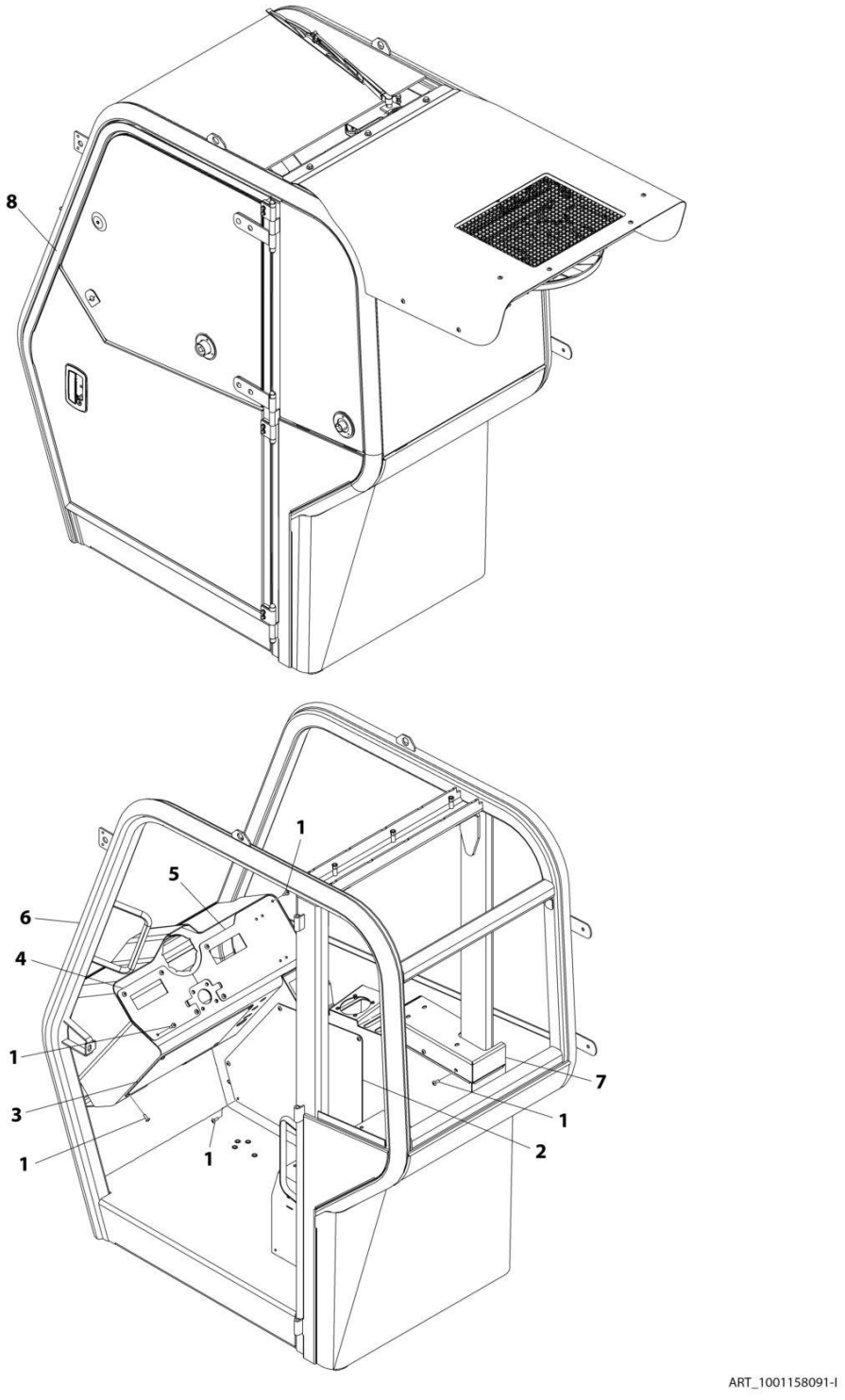

FIGURE 6-14. CAB ASSEMBLY - ENCLOSED WITH HEATER & AC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158091	Ref	Enclosed Cab with Heater/AC	I
1	8303034	22	Screw, 1/4-20X3/4	
2	1001160788	1	Panel, RH Console Access Plate	
3	1001160789	1	Panel, Brake Access Plate	
4	1001160790	1	Panel, LH Dash Cover	
5	1001160791	1	Panel, RH Dash Cover	
6	1001165583	1	Weldment, Cab	
7	1001165617	1	Assembly, Side Console Access Panel	
8	1001168066	1	Enclosure, Cab HVAC (See CAB HVAC ENCLOSURE for Breakdown)	

FIGURE 6-15. CAB ENCLOSURE WITH HEATER & AC

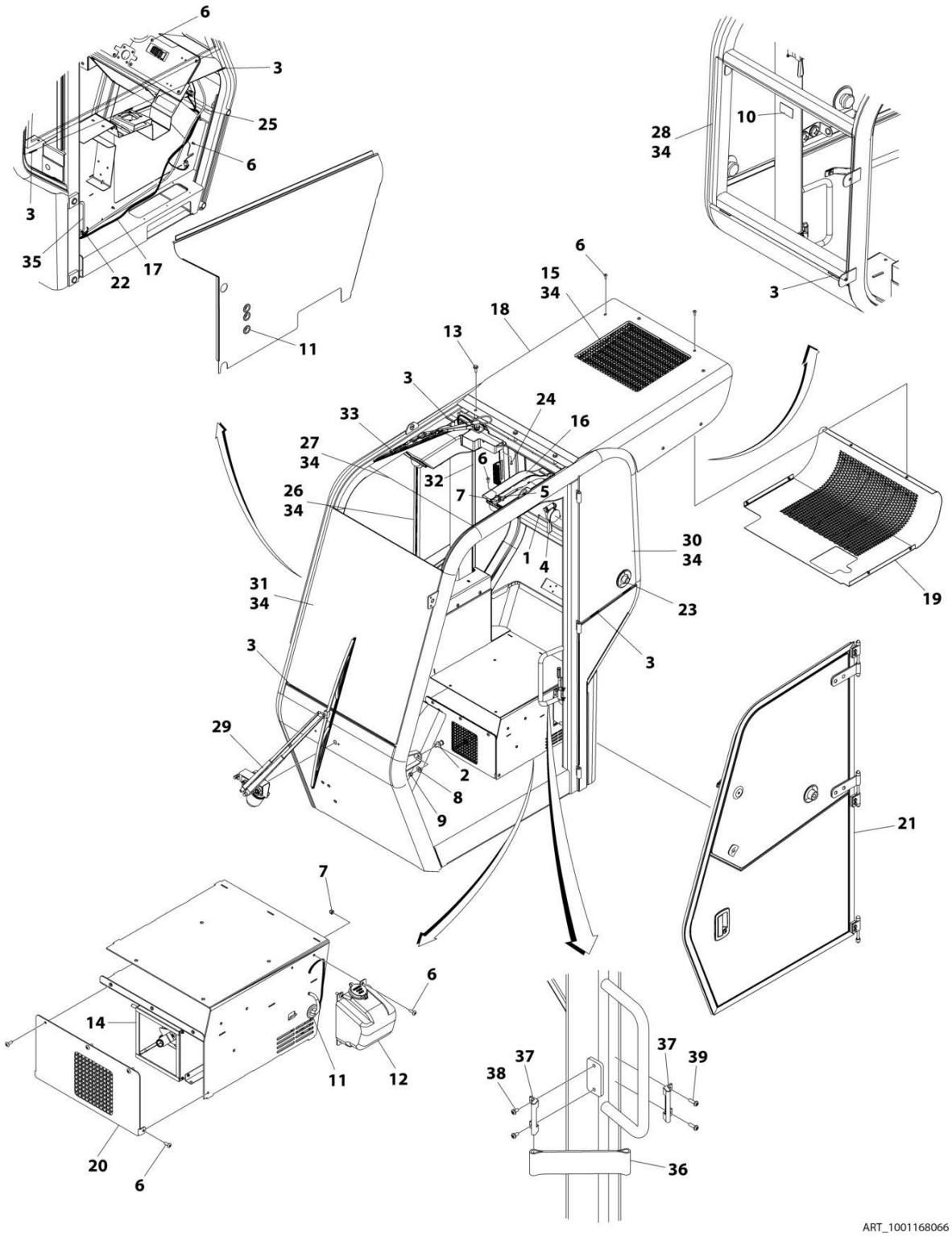

FIGURE 6-15. CAB ENCLOSURE WITH HEATER & AC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168066	Ref	CAB HVAC ENCLOSURE	O
1	91404298	3	Rivet	
2	1001109478	1	Latch, Striker	
3	1001181968	13	Mould, Setting Block	
4	91404301	1	Hammer, Emergency	
5	4711400	2	Washer 1/4	
6	8303034	35	Screw 1/4 x 3/4	
7	8305624	4	Nut 1/4	
8	8307112	1	Washer 1/2	
9	8310109	1	Nut 7/16	
10	91404299	1	Decal, Escape	
11	1001081049	4	Grommet, Split	
12	1001111112	1	Tank, Window Washer Fluid	
12	70025480	1	Pump, Reservoir	
13	1001149227	3	Screw 5/16 x 1	
14	1001159856	1	Heater, Floor (See Separate Breakdown in this Section)	
15	1001159861	1	Box, Roof (See Separate Breakdown in this Section)	
16	1001160785	2	Duct, HVAC	
17	1001178349	1	Harness, Wiper (See Separate Breakdown in ELECTRICAL Section)	
18	1001164096	1	Hood, Top	
19	1001164099	1	Hood, Bottom	
20	1001164717	1	Panel, Floor Heater Access	
21	1001165806	1	Door, Cab (See Separate Breakdown in this Section)	
22	1001008742	1	Coupling, Tee	
23	1001081243	1	Retainer, Door Window Hold	
24	0630464	1	Screw #10 x 1/2	
25	82033997	168 in	Hose, Washer Fluid	
26	8036050	1	Window, RH Slider (See Separate Breakdown in this Section)	
27	7138958	1	Glass, Skylight	
28	1001181707	1	Window, Rear	
29	8036056	1	Assembly, Front Wiper (See Separate Breakdown in this Section)	
30	1001181893	1	Window, LH Rear	
31	1001181903	1	Window, Windshield	
32	1001182091	1	Duct, Wire	
33	1001182470	1	Wiper, Skylight (See Separate Breakdown in this Section)	
34	1001177746	AR	Compound, Locking	
35	4060803	16.5 in	Flex-Trim	
36	80384218	1	Strap, Door	
37	1001196128	2	Bracket, strap Holder	
38	1001197098	2	Screw #10 x 3/8	
39	1001197099	2	Screw #10 x 5/8	

FIGURE 6-16. CAB DOOR ASSEMBLY

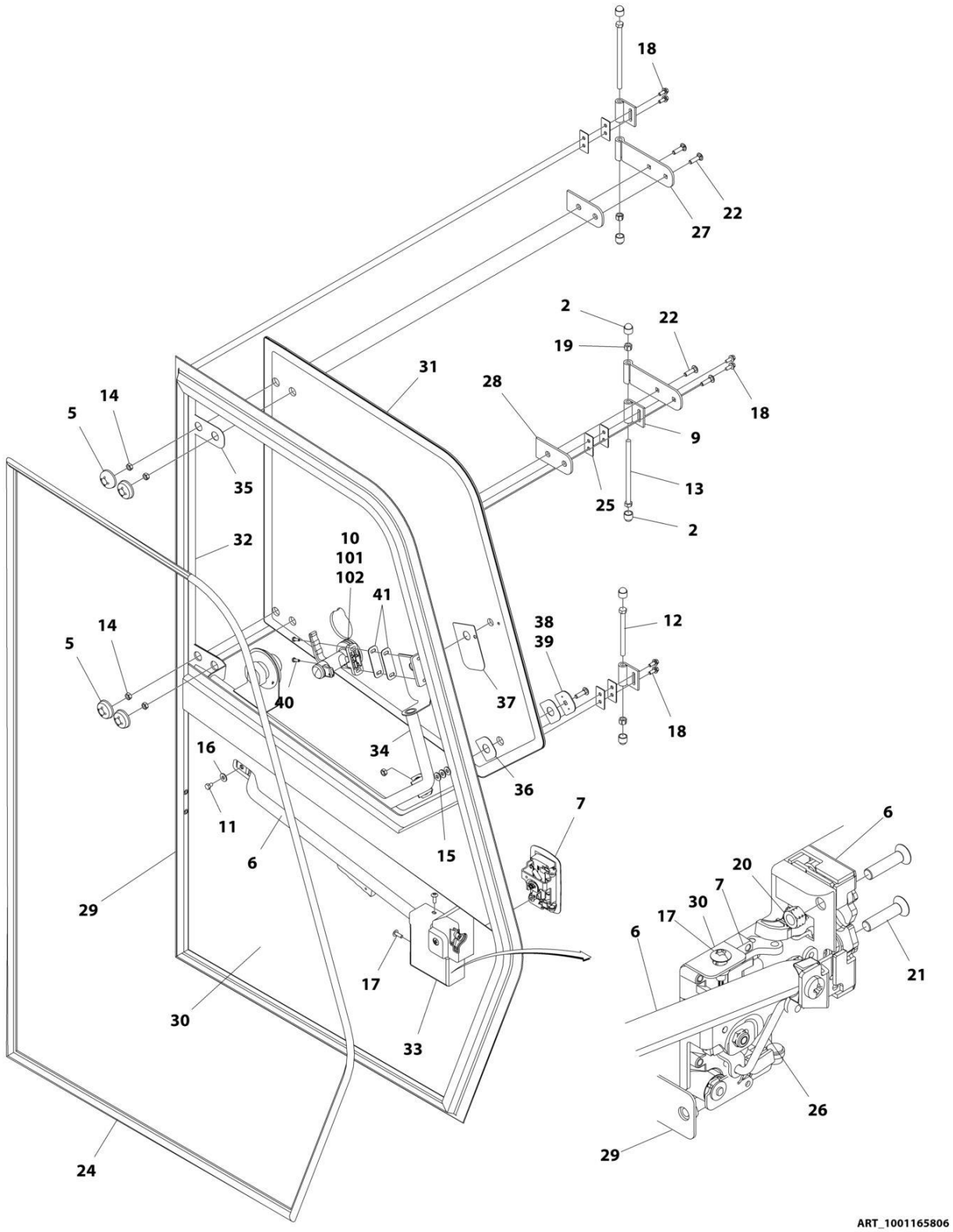

FIGURE 6-16. CAB DOOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165806	Ref	CAB DOOR	I
1	1001183104	2	Fastener, Latch	
2	1001182663	6	Cap, Hex Dome	
5	1001081246	5	Cap, Nut M6	
6	1001081247	1	Handle, Interior Cab Door	
7	1001081241	1	Handle, Exterior Cab Door	
7	70021948	1	Key, Cab Door	
9	1001183209	3	Hinge, Slotted	
10	1001220260	1	Handle, Window	
11	0641403	1	Bolt 1/4 x 3/8	
12	0641636	1	Bolt 3/8 x 4-1/2	
13	0641652	2	Bolt 3/8 x 6-1/2	
14	3290801	5	Nut M8	
15	4711500	3	Washer 5/16	
16	4751400	1	Washer 1/4	
17	8303034	2	Screw 1/4 x 3/4	
18	8303119	6	Screw 1/4 x 5/8	
19	8305603	3	Nut 3/8	
20	8305638	2	Nut M8	
21	1001094312	2	Screw M8 x 30	
22	1001108575	5	Screw M8 x 30	
24	1001182408	1	Seal, Door	
25	1001182135	6	Shim, Door Hinge	
26	1001182514	1	Linkage, Exterior Latch	
27	1001081242	2	Hinge, Door	
28	1001081266	2	Spacer, Hinge	
29	1001182842	1	Weldment, Door	
30	1001182800	1	Foam, Door	
31	1001182808	1	Glass, Door	
32	1001182810	1	Seal, Glass	
33	1001182865	1	Cover, Latch	
34	1001182871	1	Handle, Door Glass	
35	1001182882	2	Shim, Hinge	
36	1001182883	2	Shim, Handle	
37	1001182884	1	Shim, Handle Latch	
38	1001183084	1	Plate, Window	
39	1001177746	1	Compound, Locking	
40	1001197099	2	Screw 1/4 x 5/8	
41	1001265272	AR	Shim	
101	1001165276	1	Striker Plate	
102	1001165275	1	Window Latch	
103	1001169787	1	Latch Seal (not shown)	
201	1001280231	1	Door Window Kit (Includes Items 5, 10, 14, 15, 22, 27, 28, 31, 32, 34-41 & Window Lock)	

FIGURE 6-17. SLIDER WINDOW ASSEMBLY (RH)

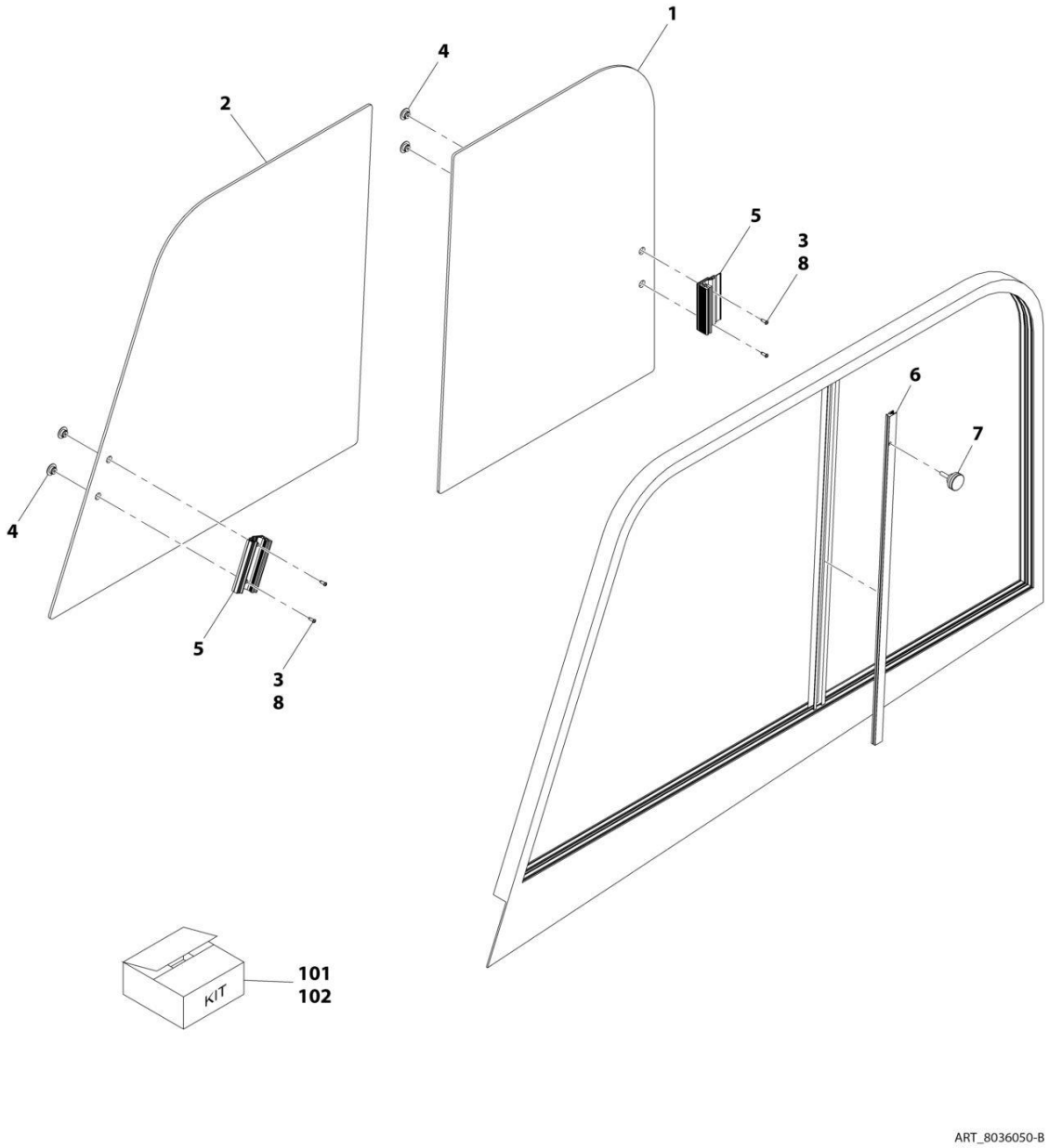

FIGURE 6-17. SLIDER WINDOW ASSEMBLY (RH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8036050	Ref	RH Slider Window	B
1	8036197	1	Glass, Rear Slide	
2	8036196	1	Glass, Front Slide	
3	Kit	NSS	Capscrew (Use Item 101)	
4	Kit	NSS	Spacer (Use Item 101)	
5	Kit	NSS	Latch (Use Item 101)	
6	Kit	NSS	Block, Lock (Use Item 102)	
7	Kit	NSS	Assembly, Knob (Use Item 102)	
8	8035523	AR	Compound, Locking	
101	80384445	1	Latch Assembly Kit (with Latch & Slider - Worthington Windows) (includes items 3 thru 5)	
101	8036199	1	Latch Assembly Kit (withTwo Latches - Young Windows) (includes items 3 thru 5)	
102	8036198	1	Friction Lock Assembly Kit (includes items 6 & 7)	

FIGURE 6-18. WIPER INSTALLATION (FRONT)

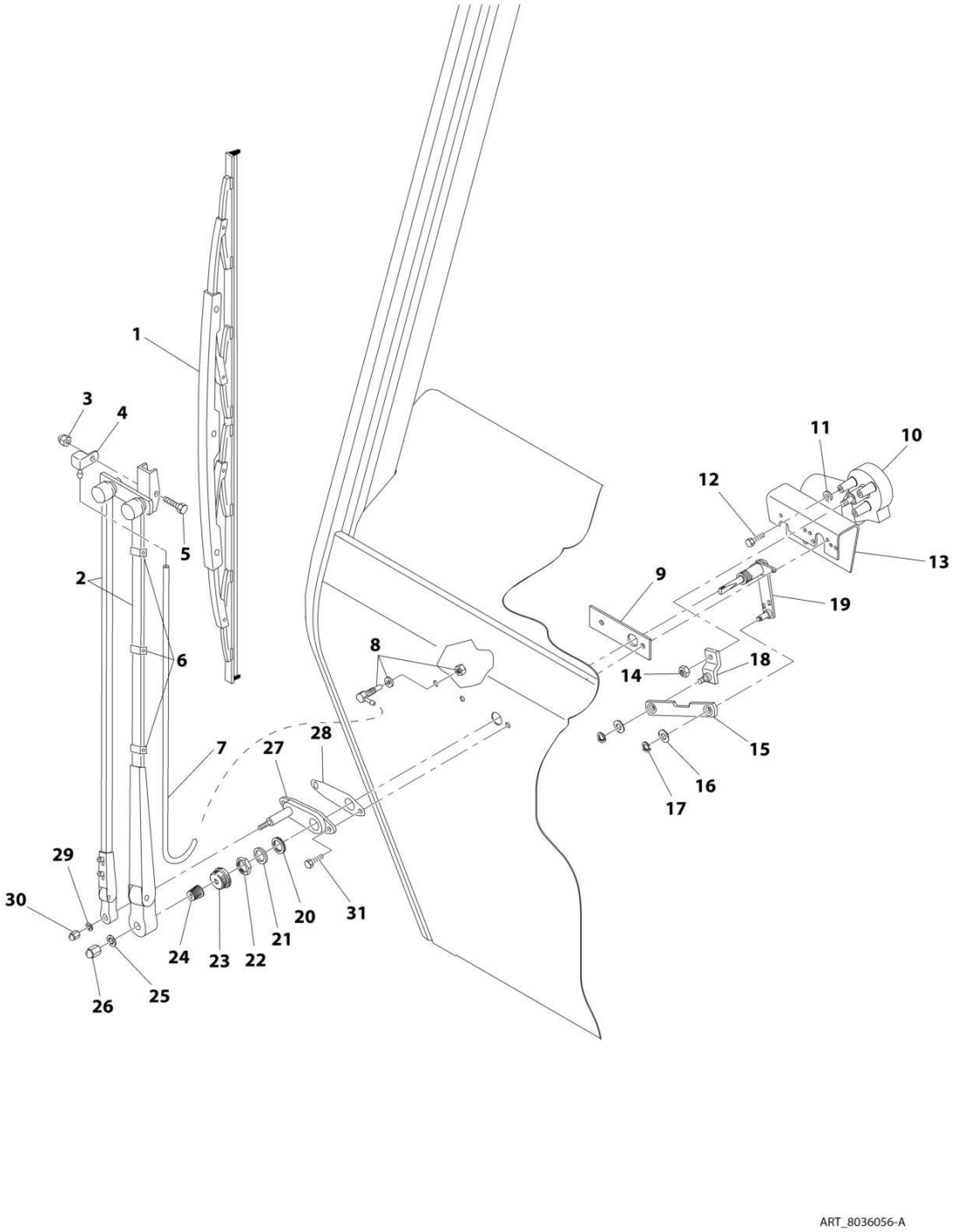

FIGURE 6-18. WIPER INSTALLATION (FRONT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8036056	Ref	Front Wiper Assembly	A
1	80384213	1	Blade, Wiper	
2	8035393	1	Assembly, Wiper Arm	
3	N.S.S.	1	Nut, Lock	
4	N.S.S.	1	Nozzle, Sprayer	
5	N.S.S.	1	Bolt	
6	N.S.S.	3	Clip, Hose	
7	N.S.S.	1	Hose	
8	1001081310	1	Adaptor, Wet Arm	
9	8036100	1	Spacer, Front Wiper Motor	
10	7029860	1	Motor, Wiper 12V	
11	N.S.S.	3	Washer, 5/16	
12	N.S.S.	3	Bolt, 1/4-28X1	
13	N.S.S.	1	Bracket, Wiper Motor	
14	N.S.S.	1	Nut	
15	8035409	1	Link, Connecting	
16	N.S.S.	2	Washer, 0.56X0.251X0.015	
17	N.S.S.	2	Clip, Spring	
18	8035411	1	Drive, Wiper Arm	
19	8036099	1	Assembly, Wiper Shaft and Pivot	
20	N.S.S.	1	Washer, Rubber	
21	N.S.S.	1	Washer, Metal	
22	N.S.S.	1	Nut, Jam 11/16-18	
23	N.S.S.	1	Cap, Rubber	
24	N.S.S.	1	Driver, Knurled	
25	N.S.S.	1	Washer, Lock 3/8	
26	N.S.S.	1	Nut, Acorn 1/4-28	
27	8034815	1	Assembly, Panto Adaptor	
28	N.S.S.	1	Gasket	
29	N.S.S.	1	Washer, Lock 1/4	
30	N.S.S.	1	Nut, Acorn 1/4-28	
31	80384207	2	Bolt, 1/4-28X3/4	

FIGURE 6-19. WIPER INSTALLATION (SKYLIGHT)

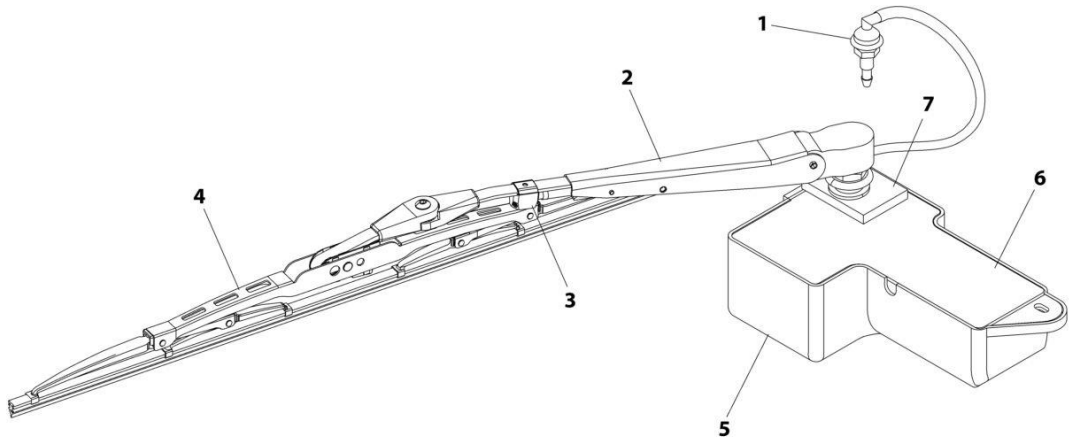

FIGURE 6-19. WIPER INSTALLATION (SKYLIGHT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182470	Ref	SKYLIGHT WIPER ASSEMBLY	B
1	1001081310	1	Adaptor, Wet Arm	
2	8035500	1	Arm, Wiper	
3	8035499	1	Arm, Wet Kit	
4	8035498	1	Blade, Wiper	
5	70020652	1	Motor, Wiper	
6	8035493	1	Cover, Wiper	
7	70026352	1	Block, Skylight Wiper Motor	

FIGURE 6-20. CAB SEAT (ORANGE SEAT BELT)

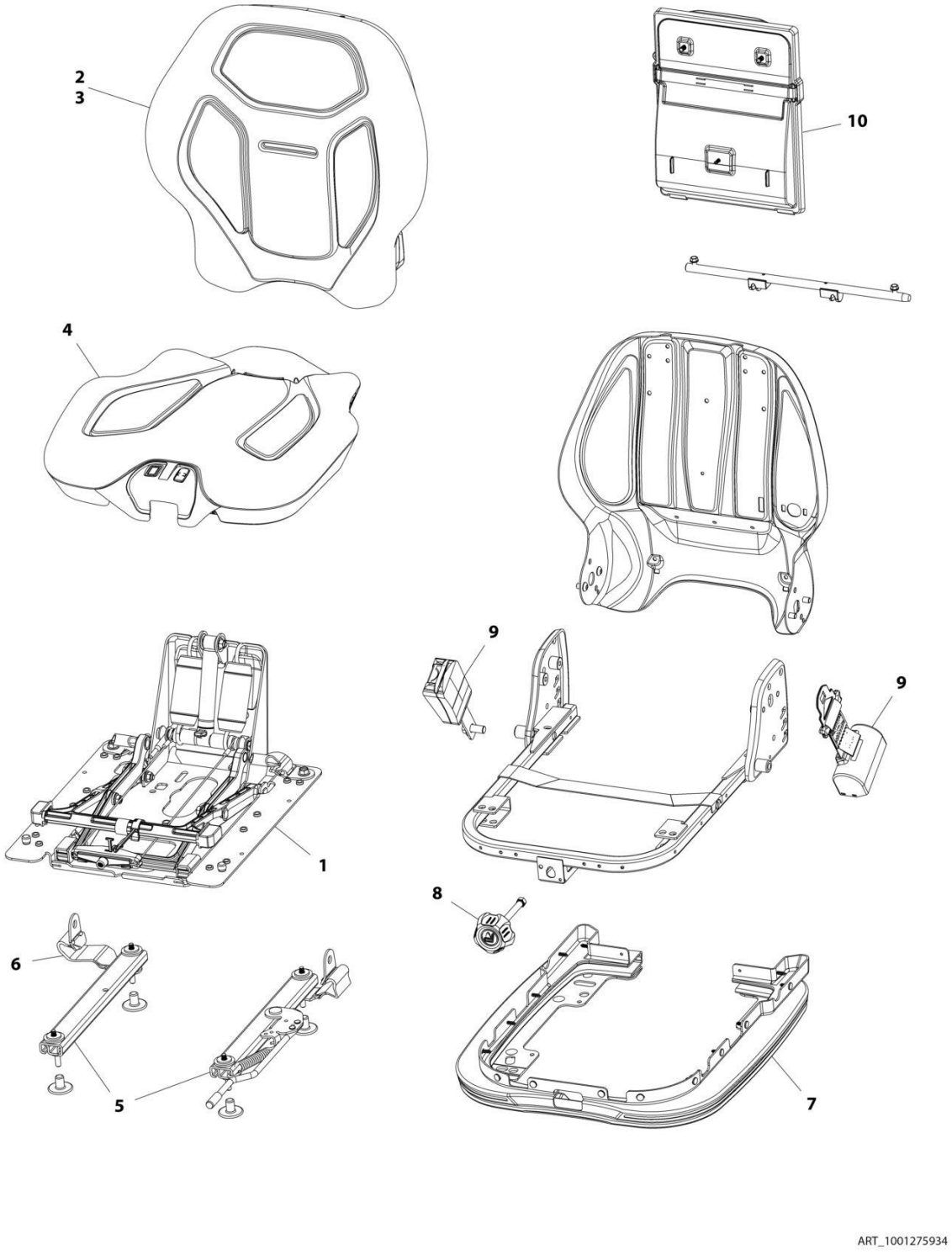

FIGURE 6-20. CAB SEAT (ORANGE SEAT BELT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275934	Ref	SEAT INSTALLATION	B
1	70027024	1	Suspension Kit	
2	70027026	1	Back Cushion Kit (JLG)	
3	70027027	1	Back Cushion Kit (CAT)	
4	70027028	1	Seat Cushion Kit	
5	7026798	1	Adjuster Kit	
6	70027032	1	Tether strap	
7	70027030	1	Boot Kit	
8	70027033	1	Weight Adjust Knob Kit	
9	1001275933	1	Seat Belt	
10	70027035	1	Document box Kit	

FIGURE 6-21. SEAT ASSEMBLY - VINYL

FIGURE 6-21. SEAT ASSEMBLY - VINYL

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

FIGURE 6-22. SEAT BELT INSTALLATION (3 INCH)

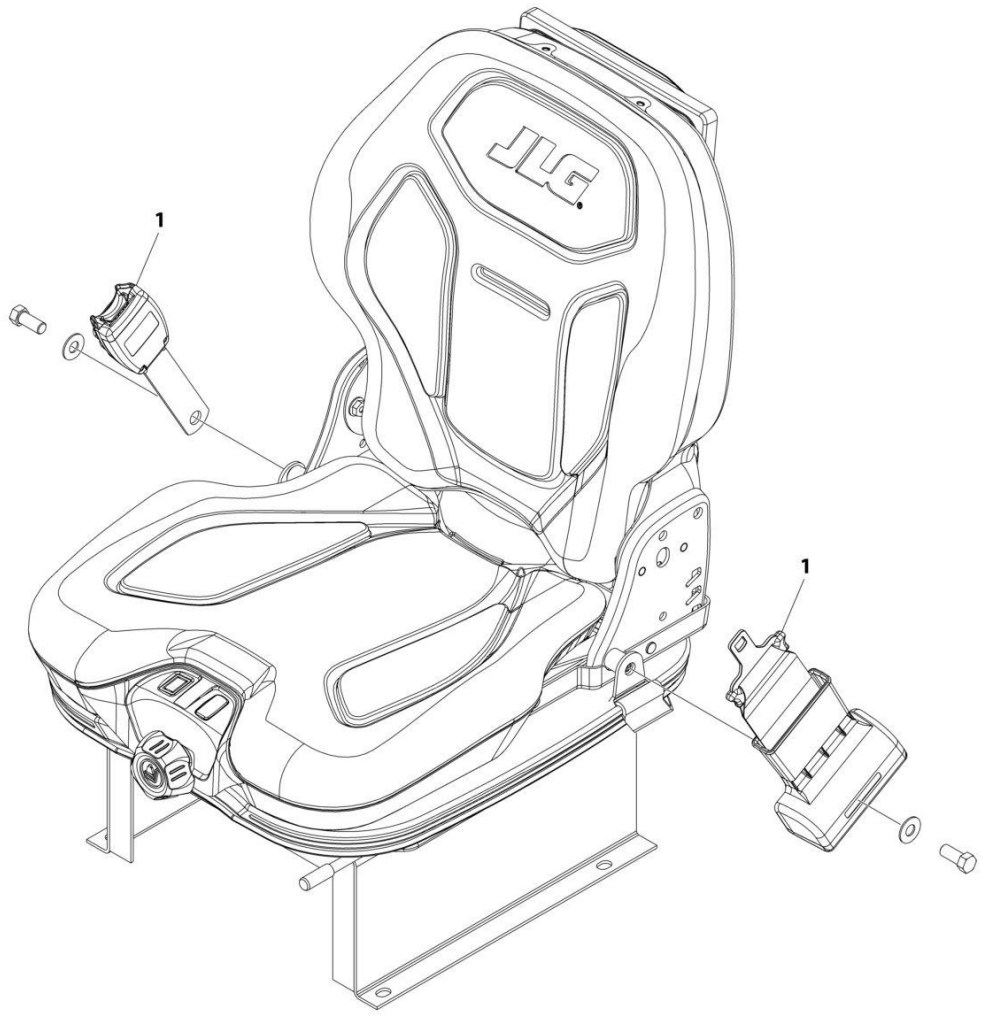

FIGURE 6-22. SEAT BELT INSTALLATION (3 INCH)

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

FIGURE 6-23. HEATER ASSEMBLY - FLOOR

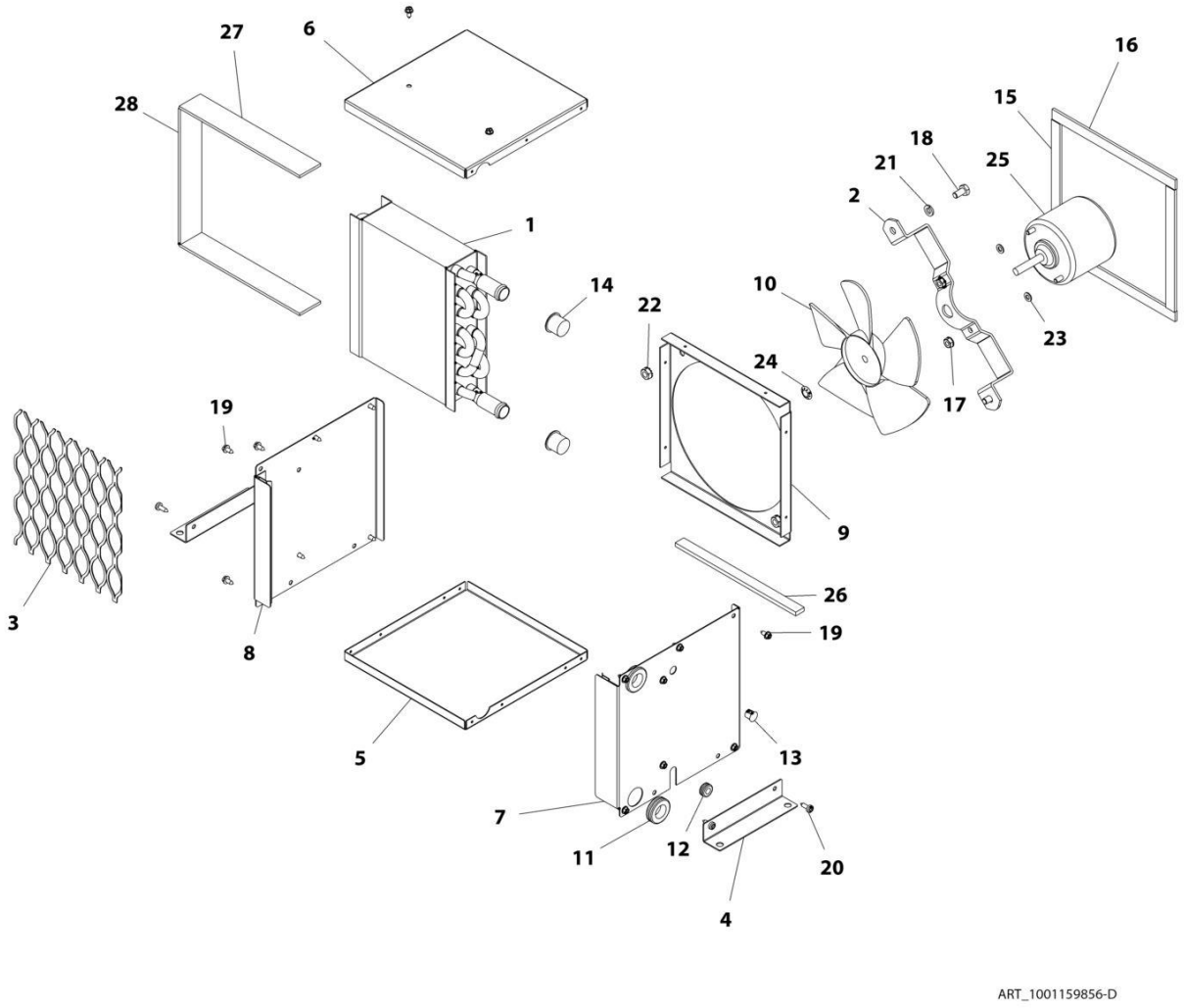

FIGURE 6-23. HEATER ASSEMBLY - FLOOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159856	Ref	Floor Heater	D
1	70026100	1	Coil, Heater	
2	70026101	1	Bracket, Motor	
3	70026102	1	Protector, Coil	
4	70026103	2	Bracket, Mounting	
5	70026104	1	Casing, Bottom	
6	70026105	1	Casing, Top	
7	70026106	1	Casing, RH Side	
8	70026107	1	Casing, LH Side	
9	70026108	1	Mount, Fan	
10	70026109	1	Fan	
11	70026110	2	Grommet	
12	70026111	1	Grommet, 3/8	
13	70026112	1	Plug, Hole 3/8	
14	70026113	2	Plug, 3/8	
15	70026114	2	Foam, 1/4X158	
16	70026114	2	Foam, 1/4X184	
17	70026115	2	Nut, 10-32	
18	70026116	2	Screw, 1/4-20X1/2	
19	70026117	16	Screw, 8X3/8	
20	70024855	4	Screw, Tap 8X1/2	
21	70026118	2	Lockwasher, 1/4	
22	70026119	2	Nut, Kep 1/4-20	
23	70026120	2	Washer, M5	
24	70026121	1	Retainer	
25	70026122	1	Motor Assembly, 12V	
26	70026123	1	Foam, 3/16X180	
27	70026124	2	Foam, 1/4X180	
28	70026124	1	Foam, 1/4X175	

FIGURE 6-24. HEATER BOX ASSEMBLY - HEATER

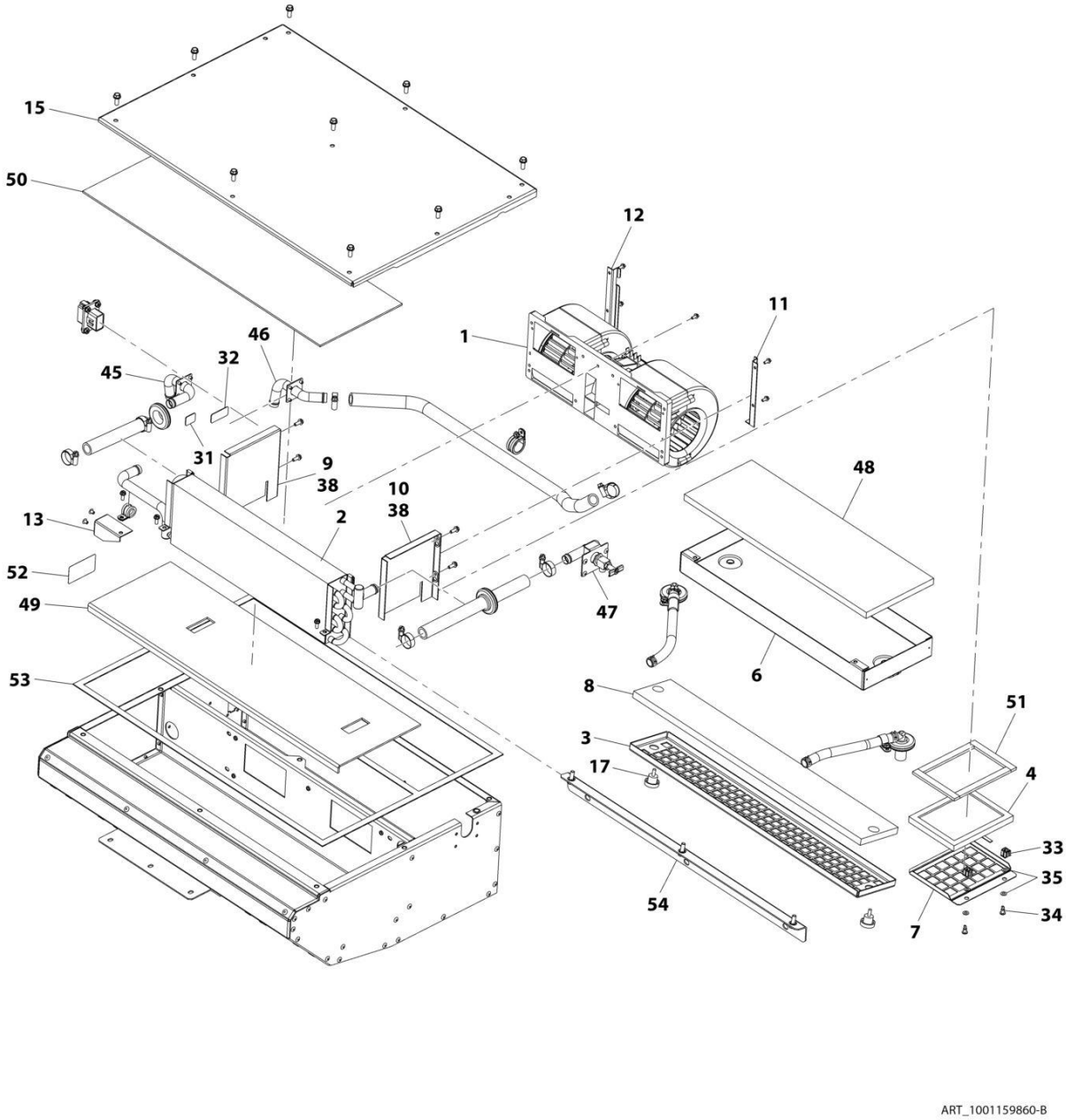

FIGURE 6-24. HEATER BOX ASSEMBLY - HEATER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159860	Ref	Roof Heater Box	B
1	70026978	1	Blower, 12V	
2	70026981	1	Heater Coil	
3	70026982	1	Air Filter	
4	70026983	1	Air Filter	
6	70029822	1	Drain Pan	
7	70029823	1	Cover, Air Filter	
8	70029824	1	Cover, Air Filter	
9	70029825	1	Bracket, Coil (R)	
10	70029826	1	Bracket, Coil (L)	
11	70029827	1	Bracket, Blower	
12	70029828	1	Bracket, Blower	
13	70029829	1	Support Bracket	
15	70029830	1	Cover	
16	70029831	1	Harness (not shown)	
17	8036726	2	Knob	
31	70029832	1	Overlay In	
32	70029833	1	Overlay Out	
33	70029834	2	Receptacle	
34	70029835	2	Stud, Oval Slotted	
35	70029836	4	Retainer	
38	70029837	2	Panel, Coil Clip	
45	70029838	1	Tube Assembly	
46	70029839	1	Tube Assembly	
47	70026991	1	Valve, Bleeder	
48	70029840	1	Foam	
49	70029841	1	Foam, Closed Cell	
50	70029842	1	Foam, Closed Cell	
51	70026123	1	Foam, 3/16X180	
52	See Note	1	Foam 456mm	
53	70029843	1	Foam, Closed Cell	
54	70029844	1	Bracket Assembly	

FIGURE 6-25. HEATER BOX ASSEMBLY - HEATER & AC

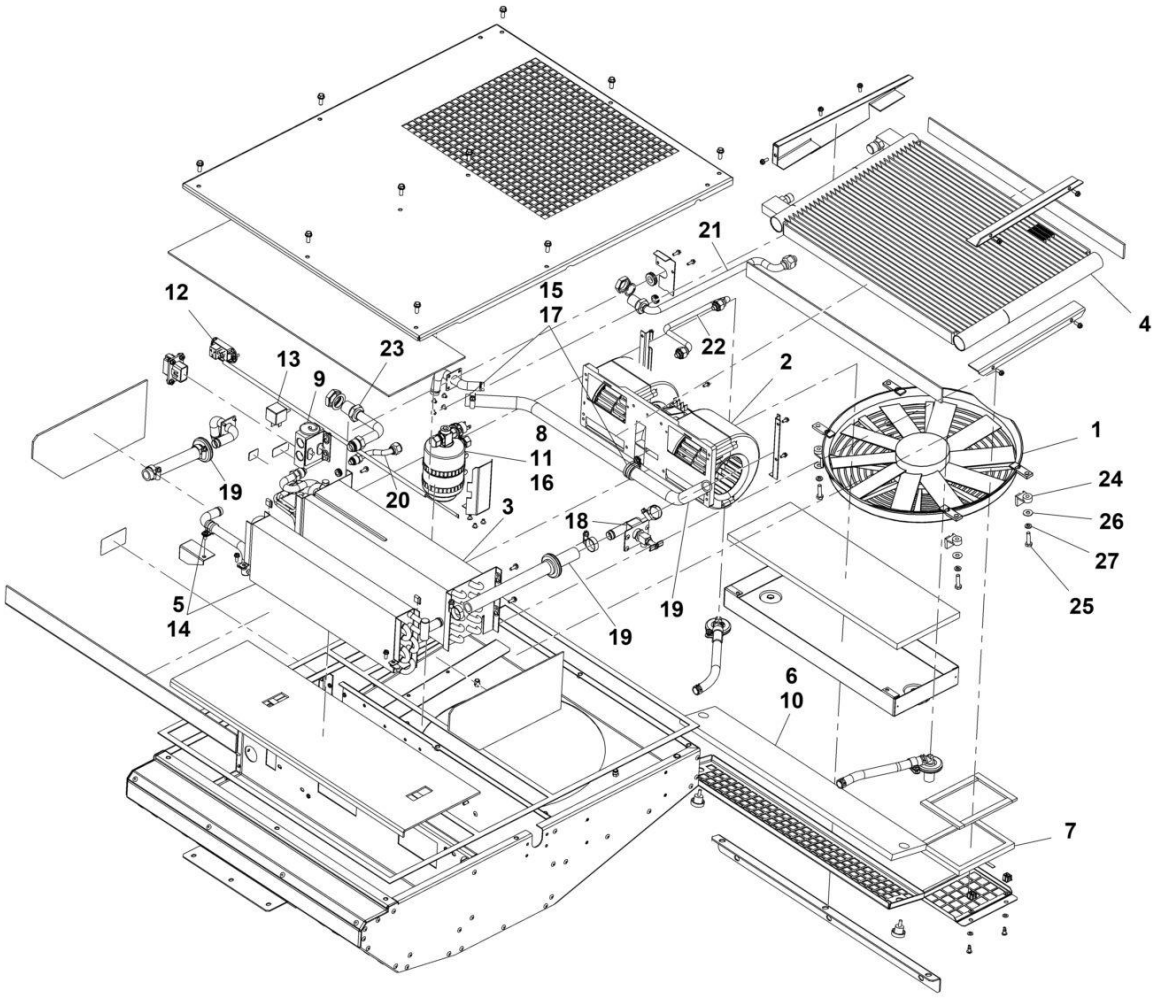

FIGURE 6-25. HEATER BOX ASSEMBLY - HEATER & AC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159861	Ref	Roof Box HVAC	B
1	70026945	1	Fan Assembly, 12V	
2	70026978	1	Blower, 12V	
3	70026979	1	Evaporator Coil	
4	70026980	1	Condenser	
5	70026981	1	Heater Coil	
6	70026982	1	Air Filter	
7	70026983	1	Air Filter	
8	70026854	1	Pressure Switch (H/L)	
9	70020876	1	Block Valve	
10	8036726	2	Knob	
11	70026984	1	Receiver Drier MCCEU	
12	70026985	1	Electronic Deicing Thermostat (EDT) Module	
13	70026986	1	Relay, 12V 30/40A	
14	70026987	1	Hose Clamp, 10	
15	70026988	1	Hose Clamp, 14	
16	70026989	2	Gear Clamp	
17	70026990	6	Hose Clamp, 5/8	
18	70026991	1	Bleeder Valve	
19	82033995	1	Hose	
20	70028782	1	Tube Assembly	
21	70028781	1	Tube Assembly	
22	70028780	1	Tube Assembly	
23	70028779	1	Tube Assembly	
24	70029981	4	Fan Mount	
25	70029982	4	Screw	
26	70029983	4	Flat Washer	
27	70029984	4	Lockwasher	

FIGURE 6-26. CAB HEATER LINES INSTALLATION - HEATER ONLY

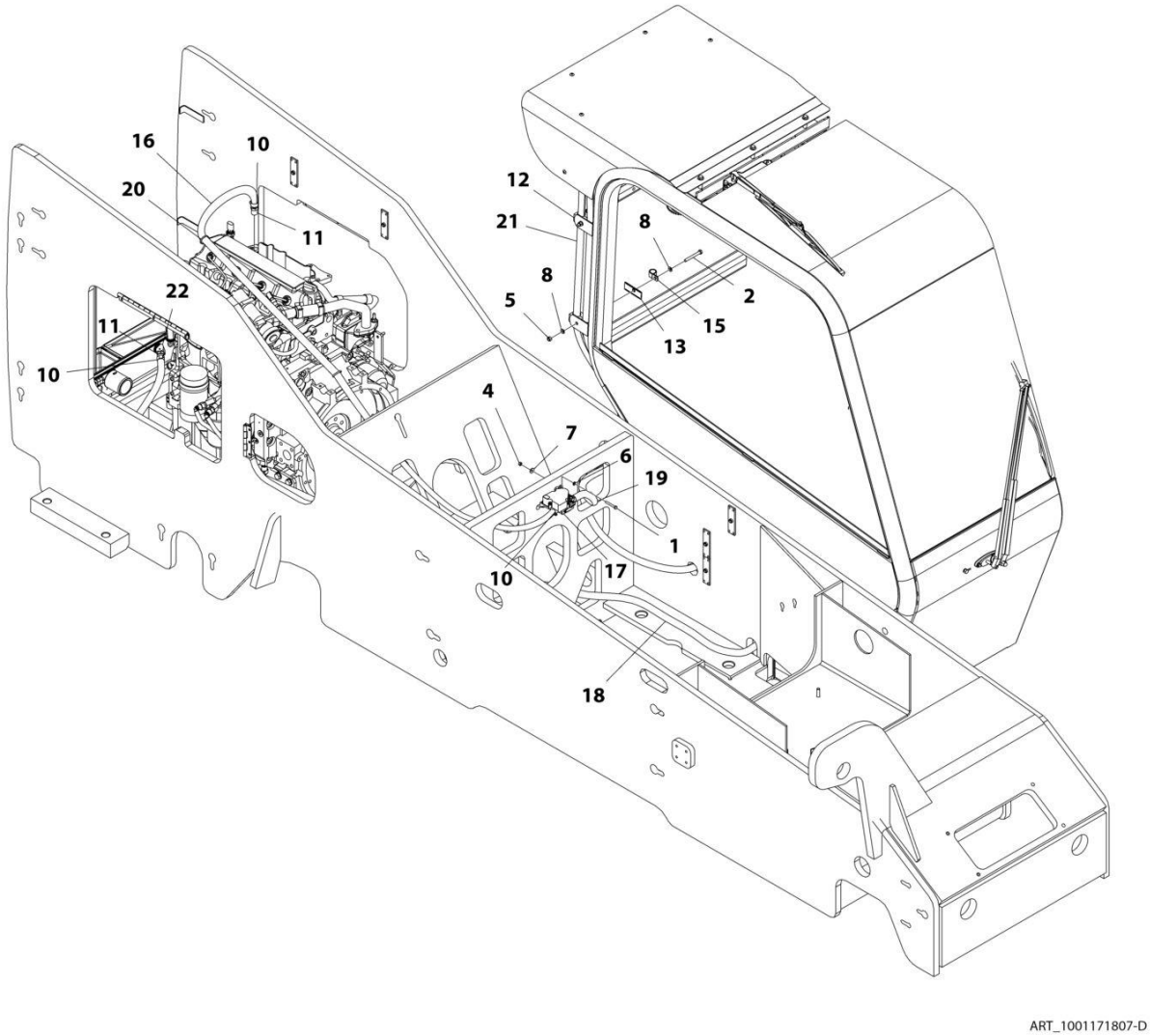

FIGURE 6-26. CAB HEATER LINES INSTALLATION - HEATER ONLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171807	Ref	Cab Heater Lines Installation	D
1	0700617	2	Bolt, M6X45	
2	0700822	2	Bolt, M8X70	
4	3290605	2	Nut, Lock M6X1	
5	3290805	2	Nut, Lock M8X1-1/4	
6	4811700	2	Washer, M6	
7	4811702	2	Washer, M6	
8	4811900	4	Washer, M8	
10	8405007	8	Clamp, Gear	
11	8430048	2	Reducer, Hose Barb	
12	77133133	2	Clamp, Twin	
13	77133134	2	Clamp, Cover Plate	
15	91043147	2	Clamp, Support	
16	1001158404	1	Hose, Cab Heater	
17	1001159844	1	Valve, Heater (See Separate Breakdown in this section)	
18	1001172537	1	Hose, Heater Return	
19	1001172561	1	Hose, Heater Send Valve to Roof	
20	8584001	4	Wrap, Tie	
21	1001173217	1	Hose, Heater Roof to Floor	
22	1001179229	1	Fitting, 45	

FIGURE 6-27. CAB HEATER LINES INSTALLATION - HEATER & AC

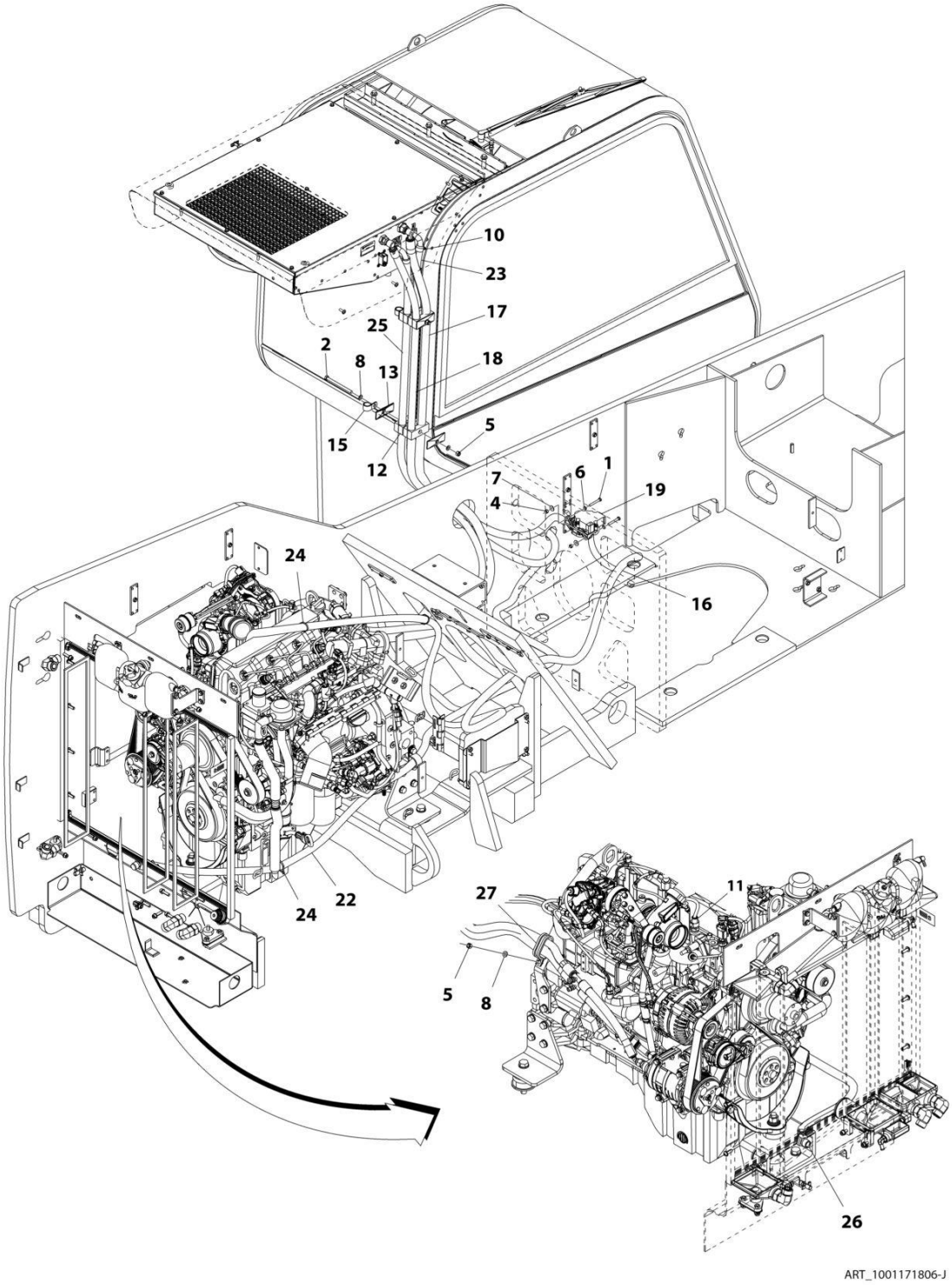

FIGURE 6-27. CAB HEATER LINES INSTALLATION - HEATER & AC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171806	Ref	Cab Heater/AC Lines Installation	J
1	0700617	2	Bolt, M6X45	
2	0700828	2	Bolt, M8X110	
4	3290605	2	Nut, Lock M6X1	
5	3290805	3	Nut, Lock M8X1-1/4	
6	4811700	2	Washer, M6	
7	4811702	2	Washer, M6	
8	4811900	5	Washer, M8	
10	8405007	8	Clamp, Gear	
11	8430048	2	Reducer, Hose Barb	
12	77133133	4	Clamp, Twin	
13	77133134	4	Clamp, Cover Plate	
15	91043147	2	Clamp, Support	
16	1001158404	1	Hose, Cab Heater	
17	1001182798	1	Hose, A/C Compressor Suction	
18	1001182723	1	Hose, A/C Compressor Discharge	
19	1001159844	1	Valve, Heater (See Separate Breakdown in this section)	
22	1001172537	1	Hose, Heater Return	
23	1001172561	1	Hose, Heater Send Valve to Roof	
24	8584001	4	Wrap, Tie	
25	1001173217	1	Hose, Heater Roof to Floor	
26	1001179229	1	Fitting, 45	
27	1001164196	1	Clamp	

FIGURE 6-28. HEATER VALVE ASSEMBLY

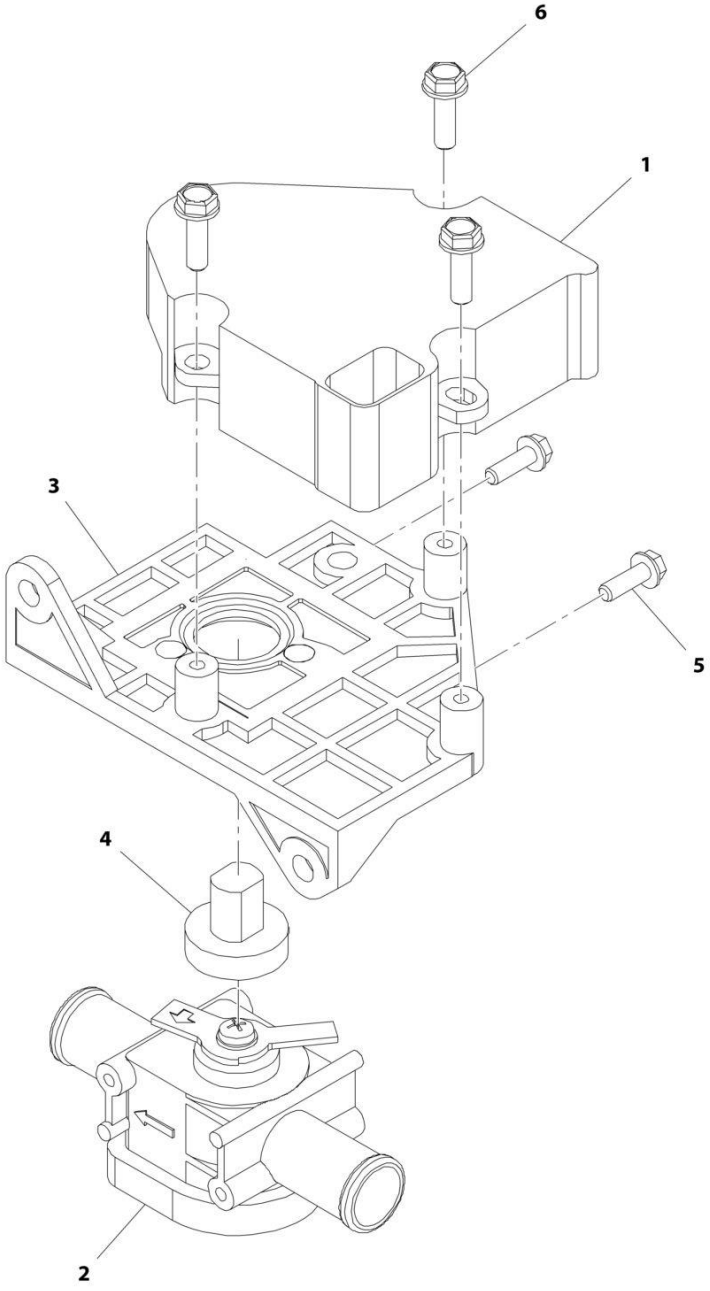

FIGURE 6-28. HEATER VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159844	Ref	Heater Valve	C
1	70026088	1	Motor Actuator, 12V	
2	70026089	1	Assembly, Heater Valve	
3	70026090	1	Assembly, Valve Bracket	
4	70026091	1	Adapter, Shaft	
5	70026092	2	Screw, 8-18X1/2	
6	70026093	3	Screw, 10-16X5/8	

FIGURE 6-29. REAR WINDOW INSTALLATION (ANSI ENGLISH)

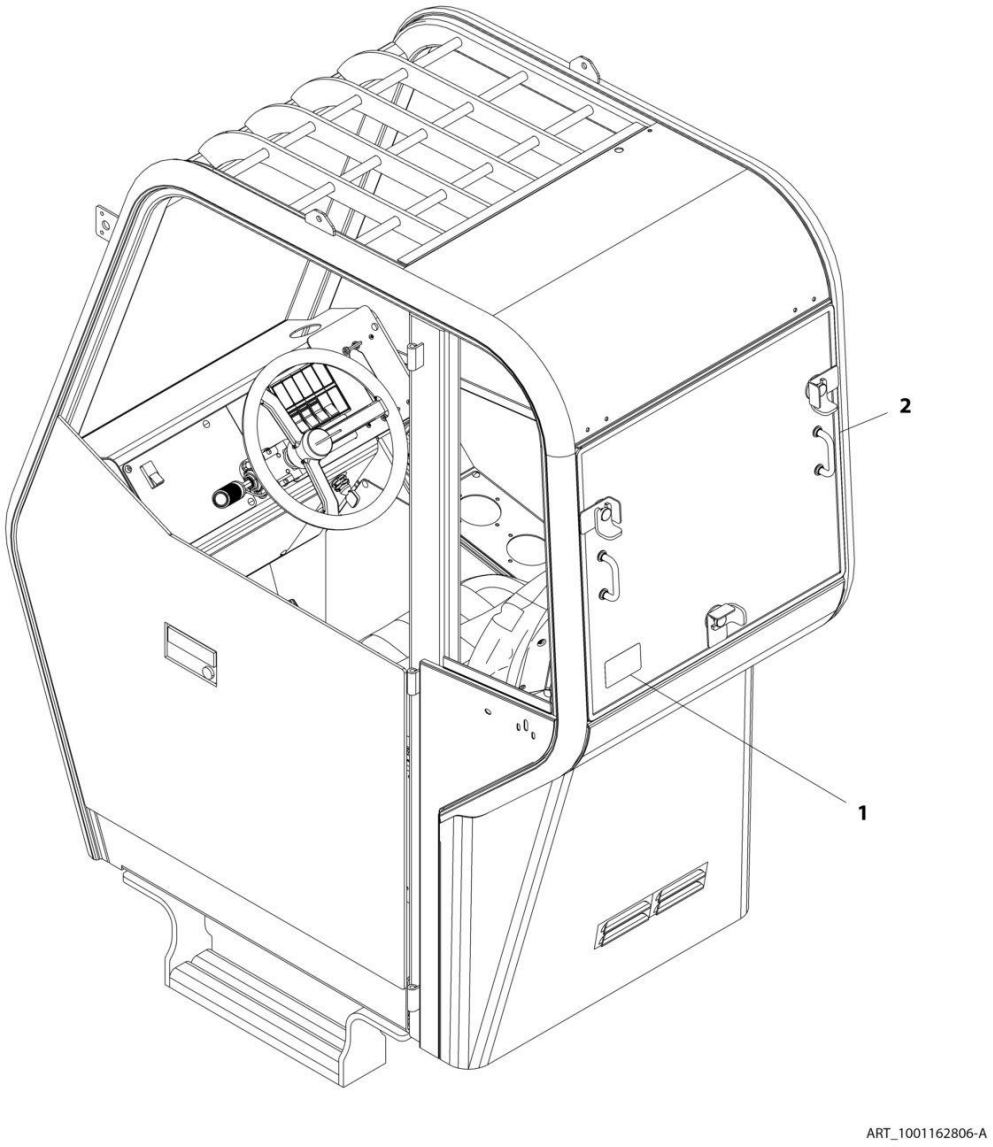

FIGURE 6-29. REAR WINDOW INSTALLATION (ANSI ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162806	Ref	Rear Dropout Window Installation (ANSI)	A
1	1001160071	2	Decal, Rear Emergency Exit	
2	1001162804	1	Window, Rear Dropout	

FIGURE 6-30. REAR WINDOW INSTALLATION (ENGLISH/SPANISH)

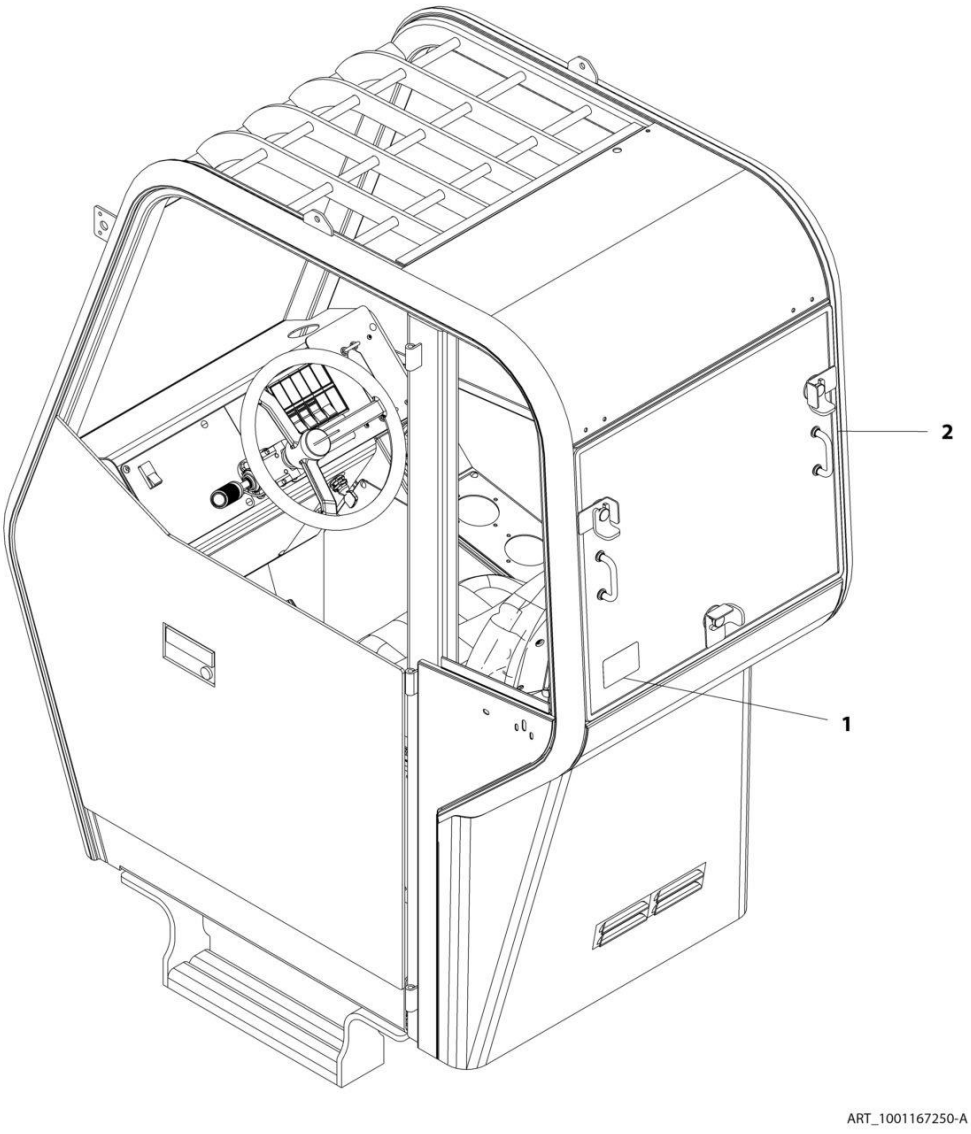

FIGURE 6-30. REAR WINDOW INSTALLATION (ENGLISH/SPANISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167250	Ref	Rear Dropout Window Installation (ENGLISH/FRENCH)	A
1	1001160787	2	Decal, Rear Emergency Exit	
2	1001162804	1	Window, Rear Dropout	

FIGURE 6-31. REAR WINDOW INSTALLATION (ENGLISH/SPANISH)

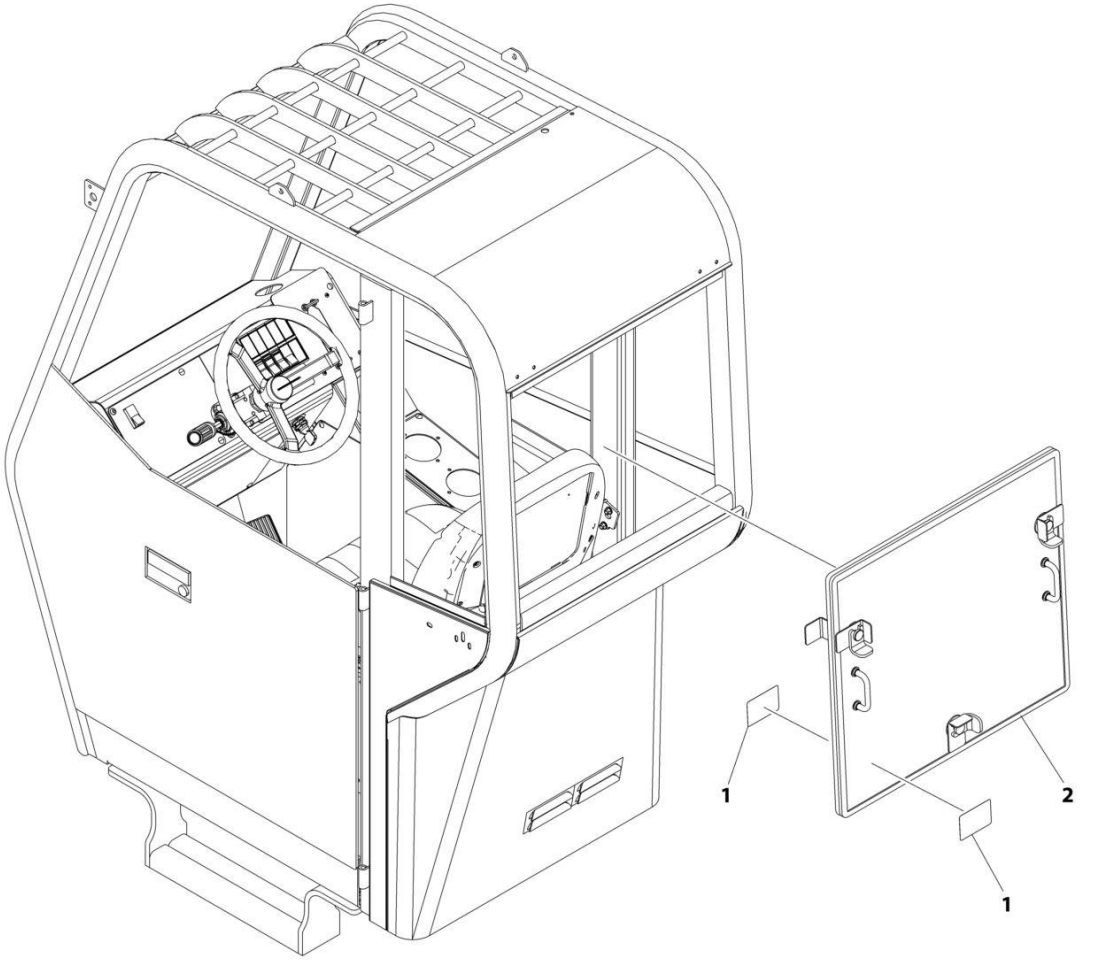

FIGURE 6-31. REAR WINDOW INSTALLATION (ENGLISH/SPANISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242916	Ref	REAR WINDOW EXIT INSTALLATION (ENG/SP)	B
1	1001273850	2	Decal, Rear Window Entry/Exit	
2	1001162804	1	Window	

FIGURE 6-32. REAR WINDOW INSTALLATION (ISO)

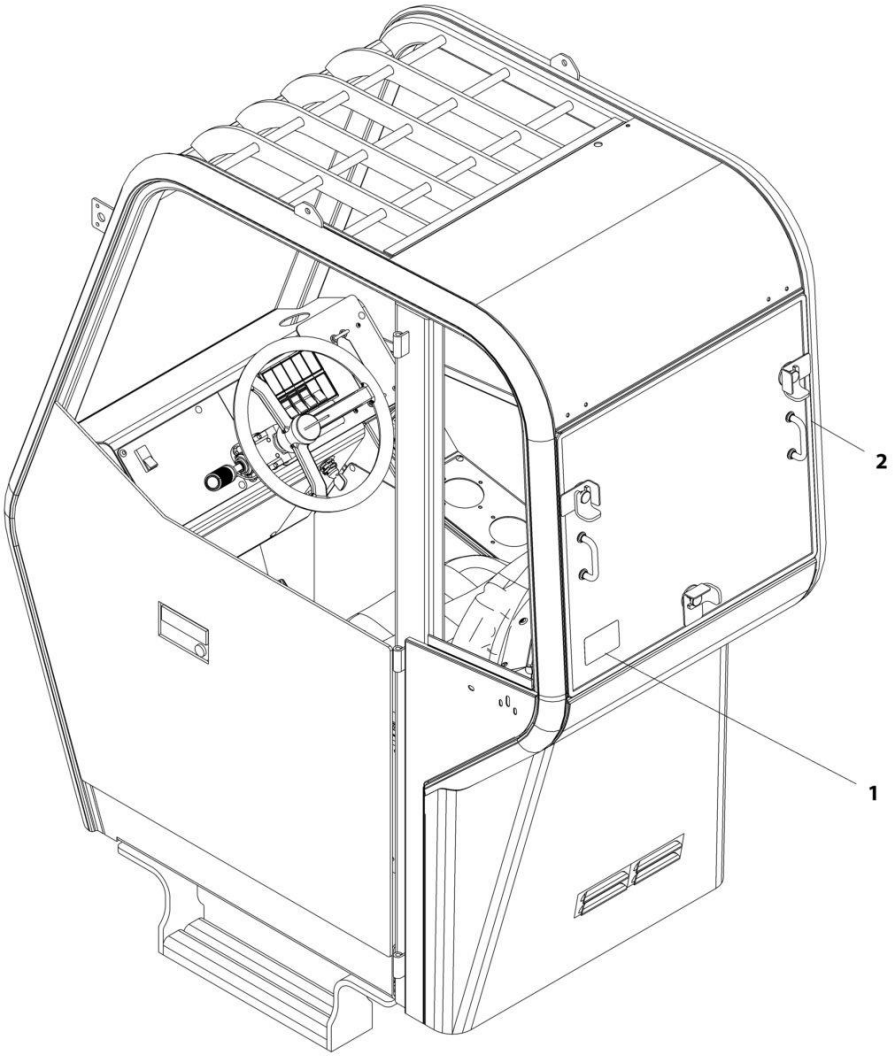

FIGURE 6-32. REAR WINDOW INSTALLATION (ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167251	Ref	Rear Dropout Window Installation (ISO)	A
1	1001160912	2	Decal, Rear Emergency Exit	
2	1001162804	1	Window, Rear Dropout	

FIGURE 6-33. SKYTRAK FIRE EXTINGUISHER INSTALLATION

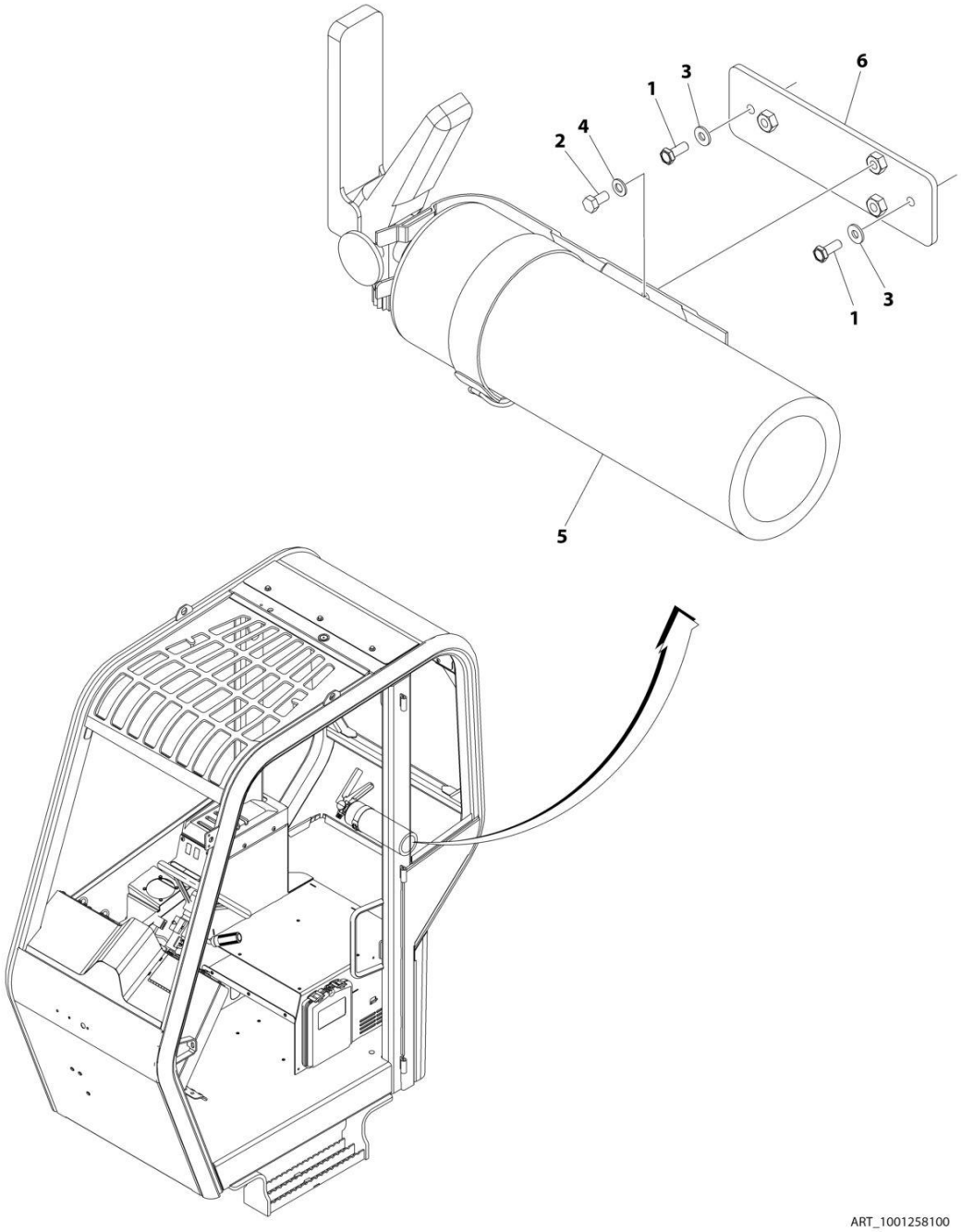

FIGURE 6-33. SKYTRAK FIRE EXTINGUISHER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258100	Ref	Skytrak Fire Extinguisher Installation	A
1	0721004	2	Screw M10X1/2	
2	0760505	3	Bolt M5X10	
3	4750800	2	Washer M8	
4	4811600	3	Washer M5	
5	1001099699	1	Extinguisher, Fire with Bracket	
5	1001100082	1	Bracket	
6	1001241305	1	Bracket	

SECTION 7 - CONTROLS

FIGURE 7-1. BRAKE ASSEMBLY

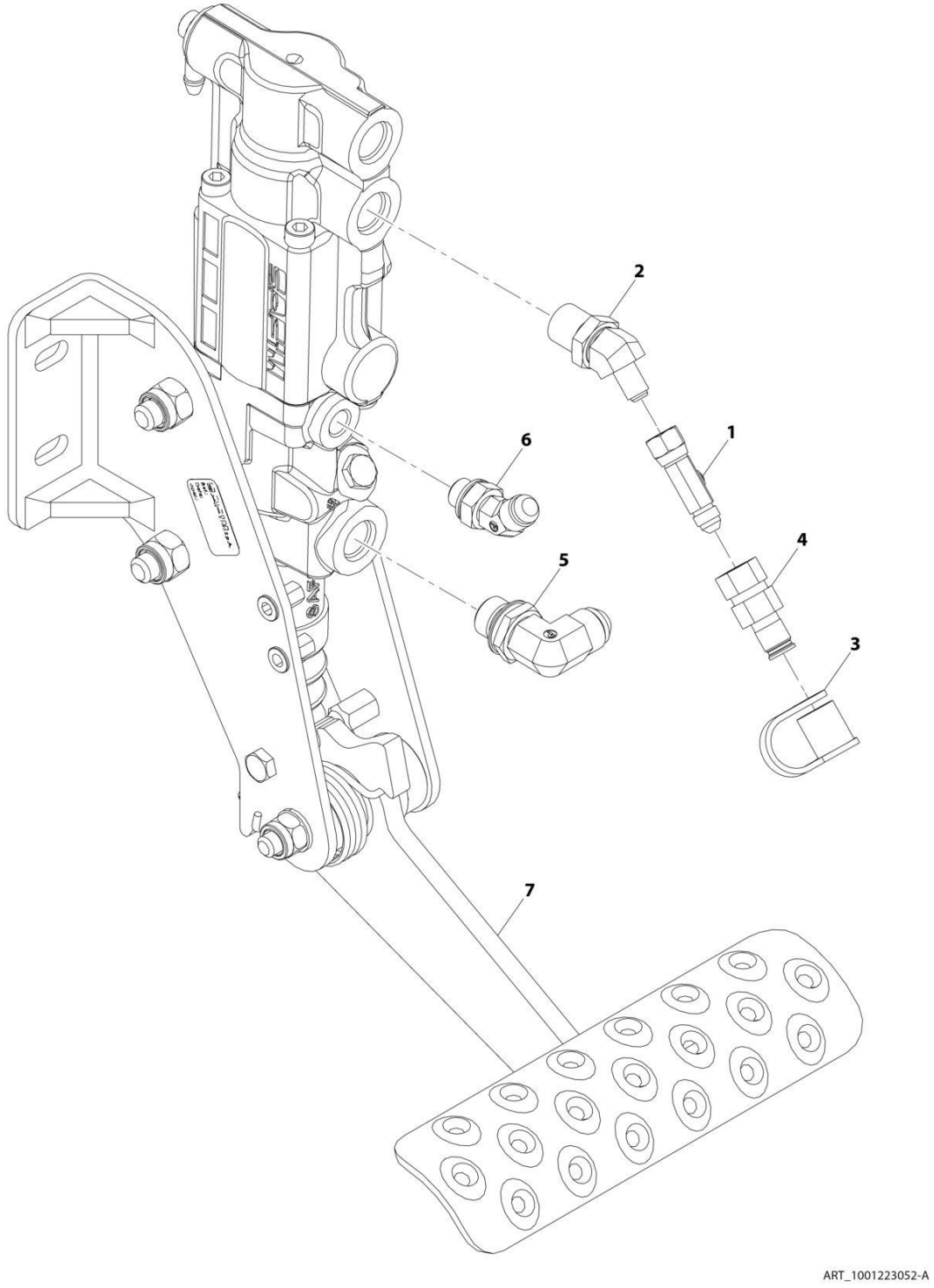

FIGURE 7-1. BRAKE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223052	Ref	Brake Assembly - Safim	A
1	2220605	1	Adapter	
2	2221344	1	Adapter	
3	8430032	1	Plug, Dust Cap	
4	10727374	1	Adapter	
5	91473086	1	Adapter	
6	1001183341	1	Adapter	
7	1001223050	1	Installation, Hydraulic Brake Valve (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	

FIGURE 7-2. SECONDARY CONTROLS INSTALLATION

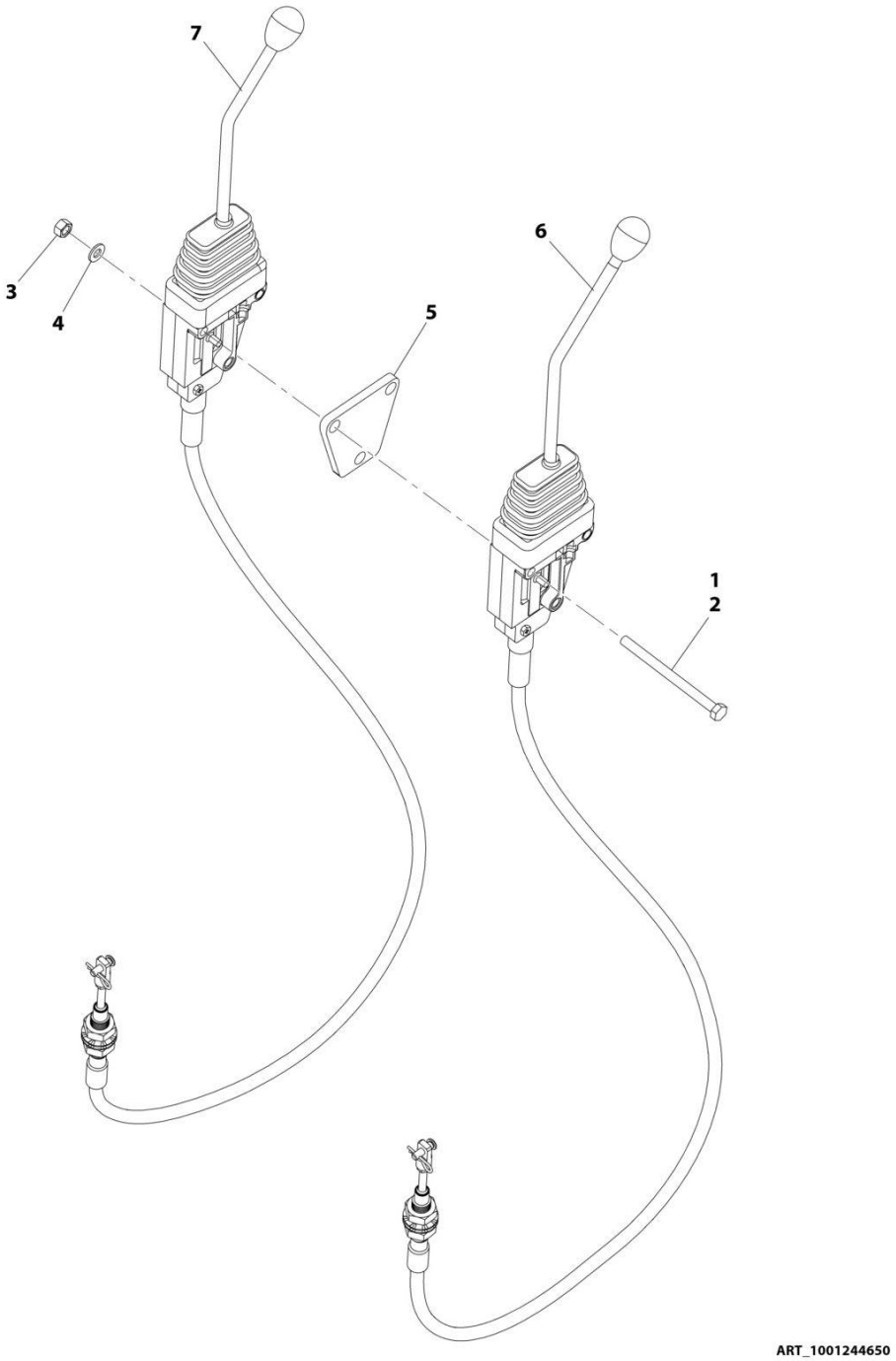

FIGURE 7-2. SECONDARY CONTROLS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244650	Ref	Secondary Controls Installation	C
1	0100011	AR	Compound, Locking	
2	0700828	3	Bolt, M8X110	
3	8305043	3	Nut, M8X1-1/4	
4	8307222	3	Washer, Plain M8	
5	1001174340	1	Bracket, Control Spacer Plate	
6	1001244652	1	Auxiliary Control Assembly	
6	1001173581	1	Control, Auxiliary	
6	1001244654	1	Cable, Auxiliary Control	
7	1001244653	1	Frame Level Control Assembly	
7	1001173582	1	Control, Frame Level	
7	1001244654	1	Cable, Frame Level	

FIGURE 7-3. AUXILIARY CONTROL ASSEMBLY

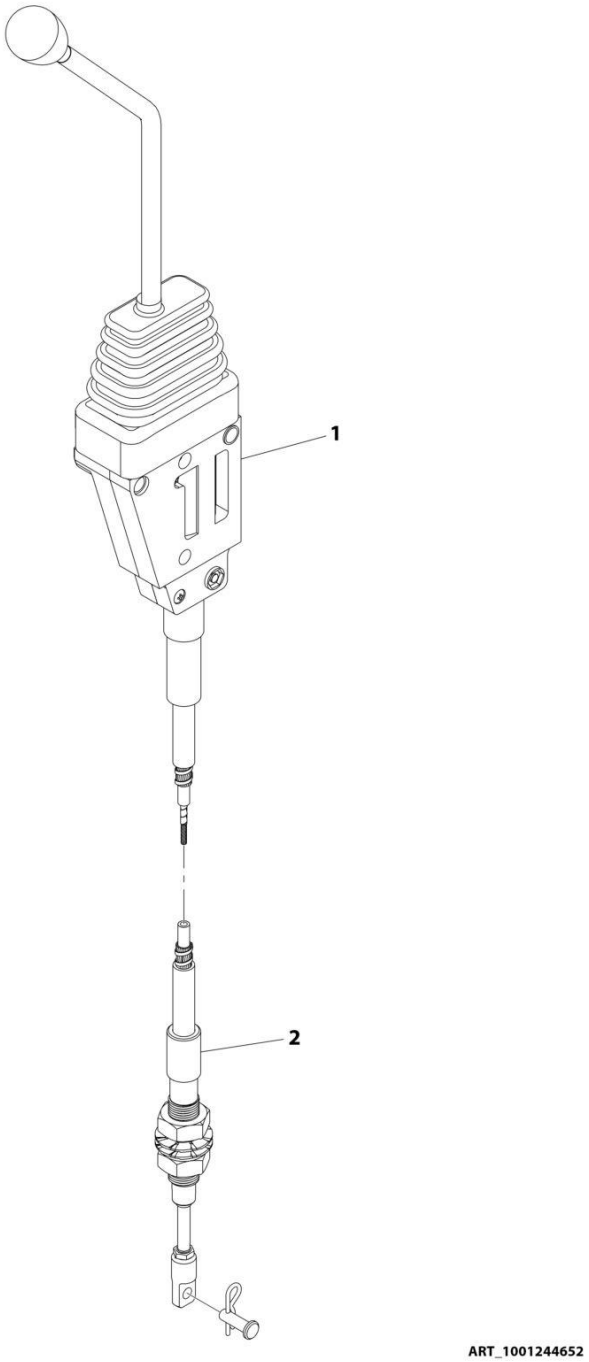

FIGURE 7-3. AUXILIARY CONTROL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244652	Ref	Auxiliary Control	C
1	1001173581	1	Control	
2	1001244654	1	Cable	

FIGURE 7-4. FRAME LEVEL CONTROL ASSEMBLY

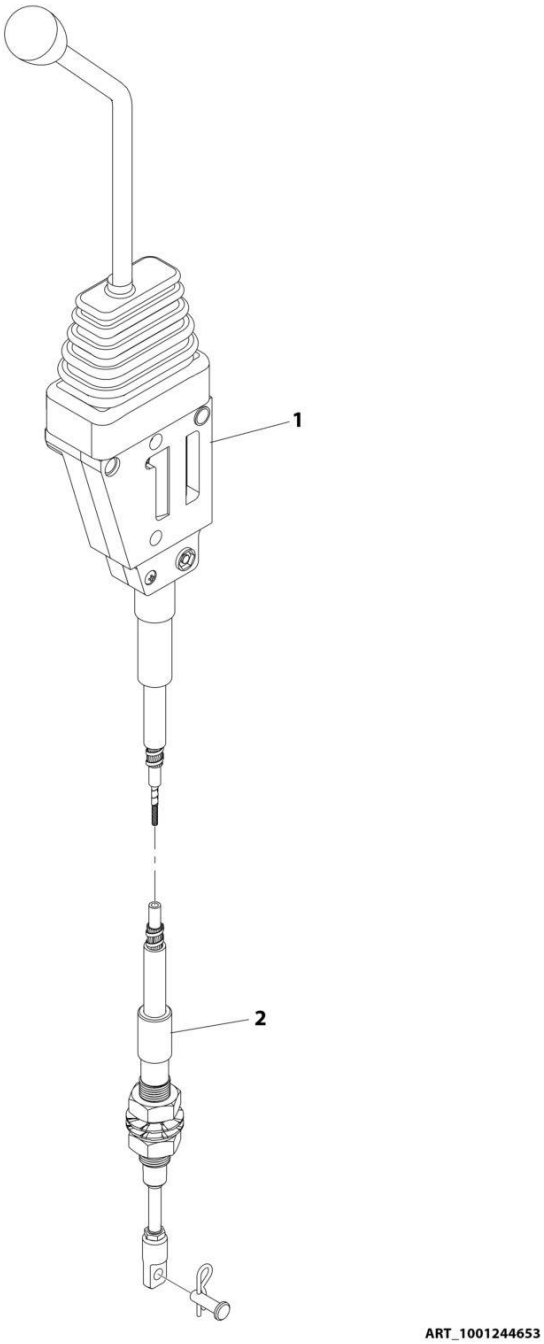

FIGURE 7-4. FRAME LEVEL CONTROL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244653	Ref	Frame Level Control	C
1	1001173582	1	Control	
2	1001244654	1	Cable	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. AUXILIARY CONTROLS HYDRAULICS INSTALLATION

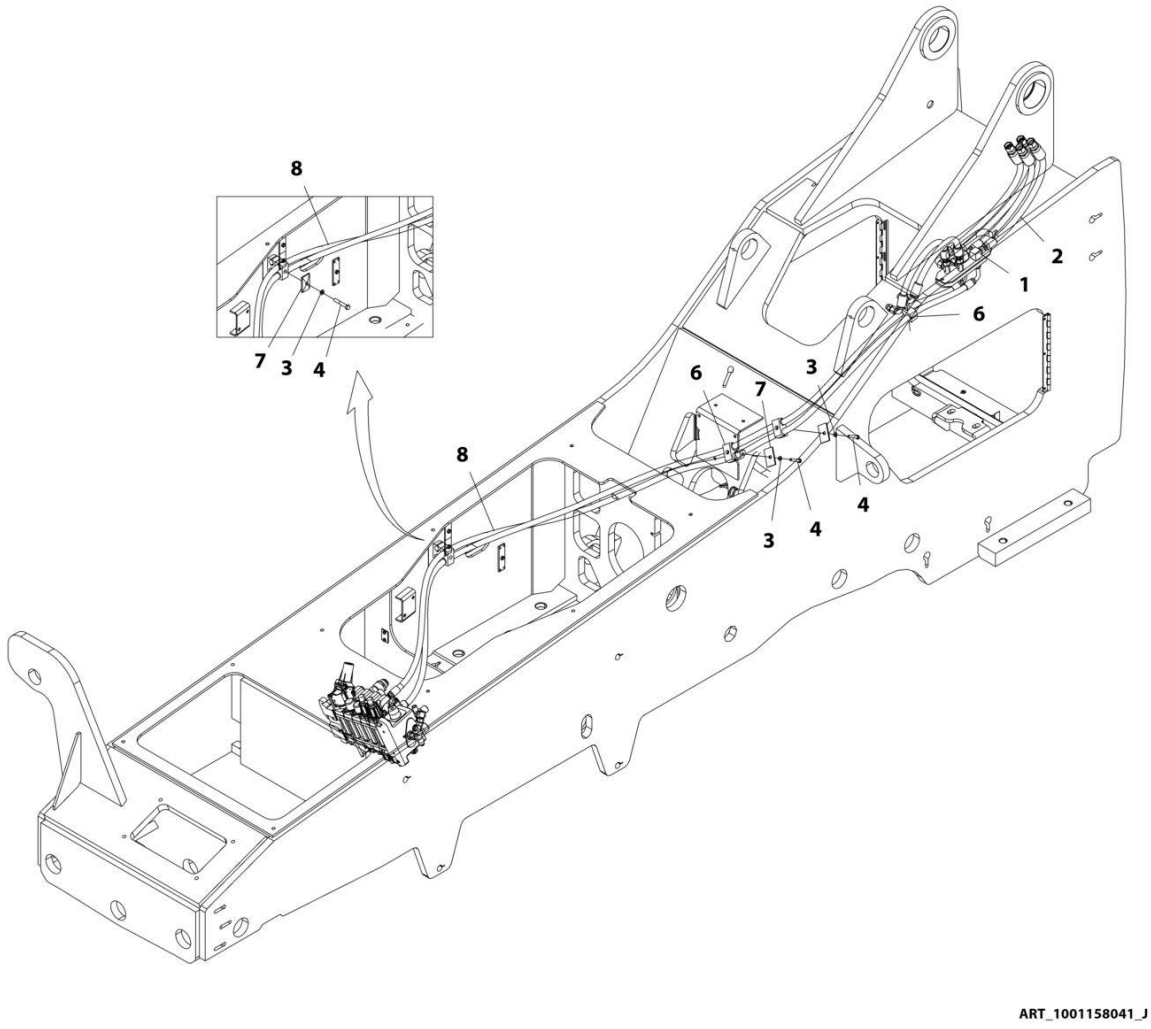

FIGURE 8-1. AUXILIARY CONTROLS HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158041	Ref	Auxiliary Controls Hydraulic Installation	J
1	2230044	2	Adapter, Bulkhead 90 JIC	
2	1001245061	2	Hose 26 in/ 66cm	
2	2716713	2	Hose 30 in/ 76cm	
3	8307004	3	Washer 5/16	
4	8310009	3	Bolt 5/16X2	
5	8750012	1	Bolt, Stacking (Not Shown)	
6	8750027	4	Clamp Set, Twin	
7	8769128	3	Cover Plate, Twin	
8	1001245060	2	Hose	

FIGURE 8-2. AXLE HYDRAULICS INSTALLATION

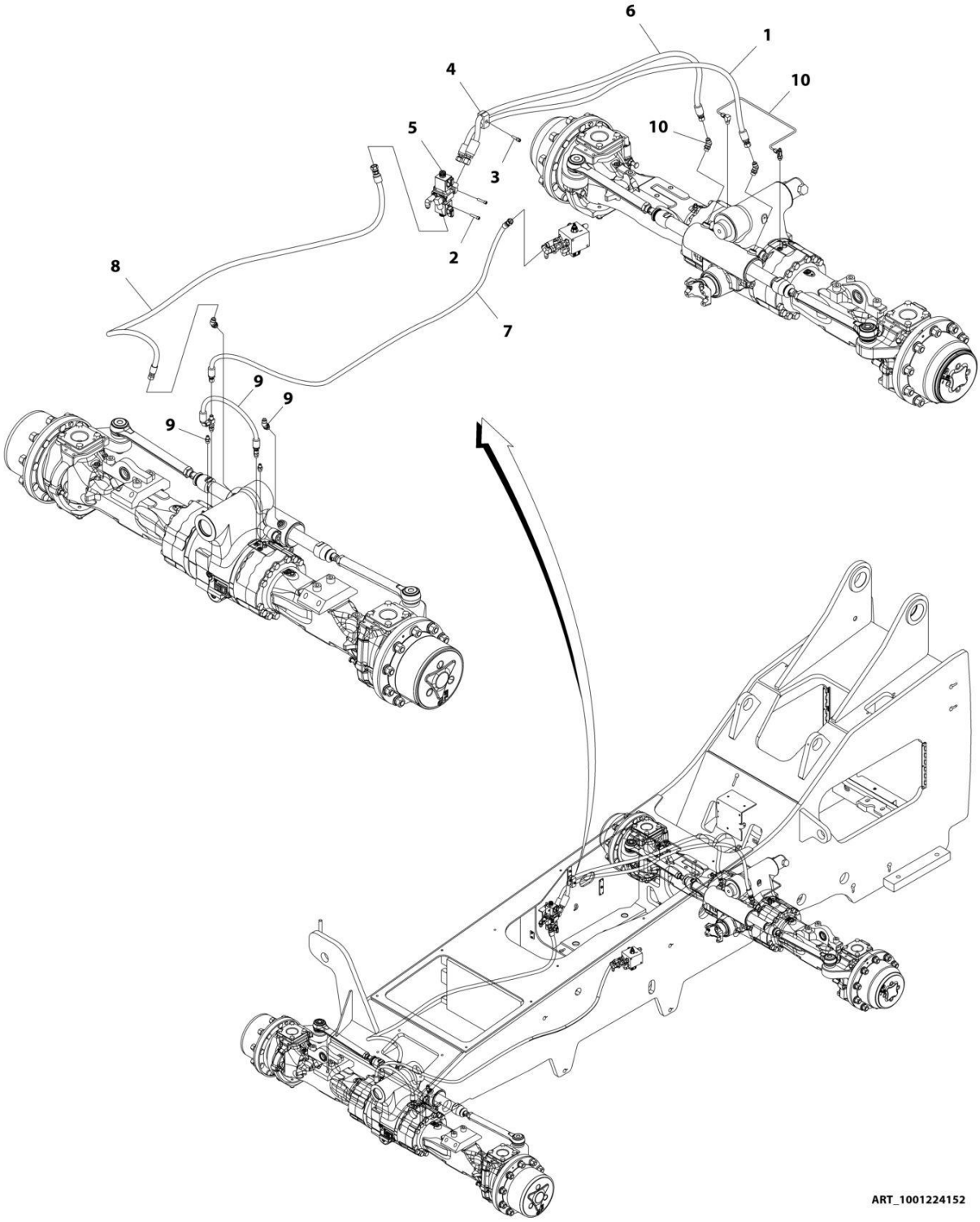

FIGURE 8-2. AXLE HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224152	Ref	Axle Hydraulic Installation	B
	1001201991	Ref	Axle Hydraulic Installation	C
1	2716673	1	Hose	
2	8304608	2	Screw, 5/16-18X1-1/2	
3	8750012	1	Bolt, Stacking	
4	8750027	1	Clamp Set, Twin	
5	1001172784	1	Assembly, Steer Select Valve (See STEER SELECT VALVE ASSEMBLY for Breakdown)	
6	1001178224	1	Hose	
7	1001194620	1	Hose	
8	1001194745	1	Hose	
9	1001224459	1	Assembly, Front Axle Hydraulic (See FRONT AXLE HYDRAULIC ASSEMBLY for Breakdown)	
10	1001224460	1	Assembly, Rear Axle Hydraulic (See REAR AXLE HYDRAULIC ASSEMBLY for Breakdown)	

FIGURE 8-3. AXLE HYDRAULICS INSTALLATION - FRONT

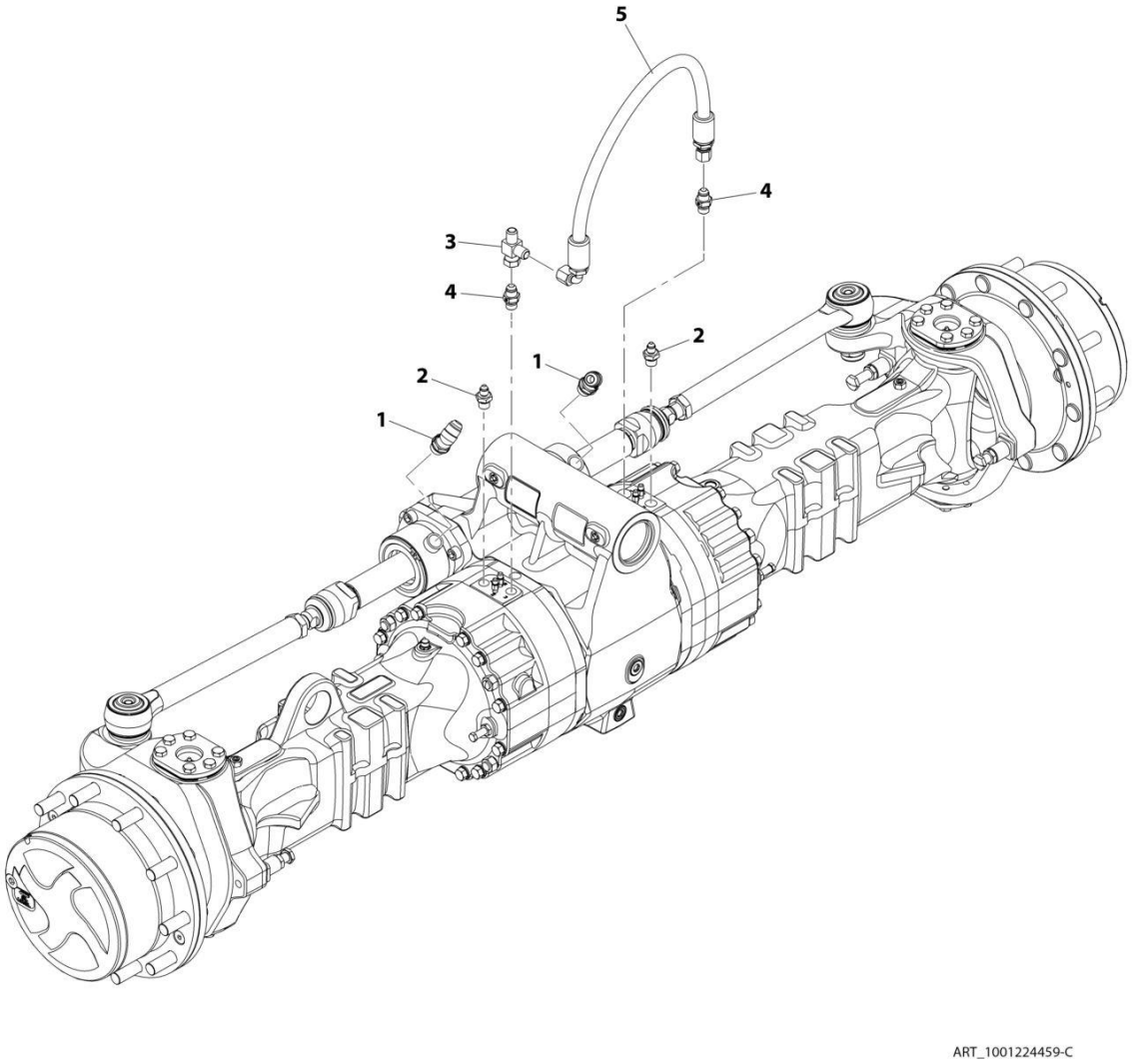

FIGURE 8-3. AXLE HYDRAULICS INSTALLATION - FRONT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224459	Ref	Front Axle Hydraulic Assembly	C
1	2220500	2	Adapter, Straight	
2	1001227636	2	Adapter, Straight	
3	2220635	1	Adapter, Run Tee	
4	8770064	2	Fitting	
5	1001224467	1	Hose Assembly	

FIGURE 8-4. AXLE HYDRAULICS INSTALLATION - REAR

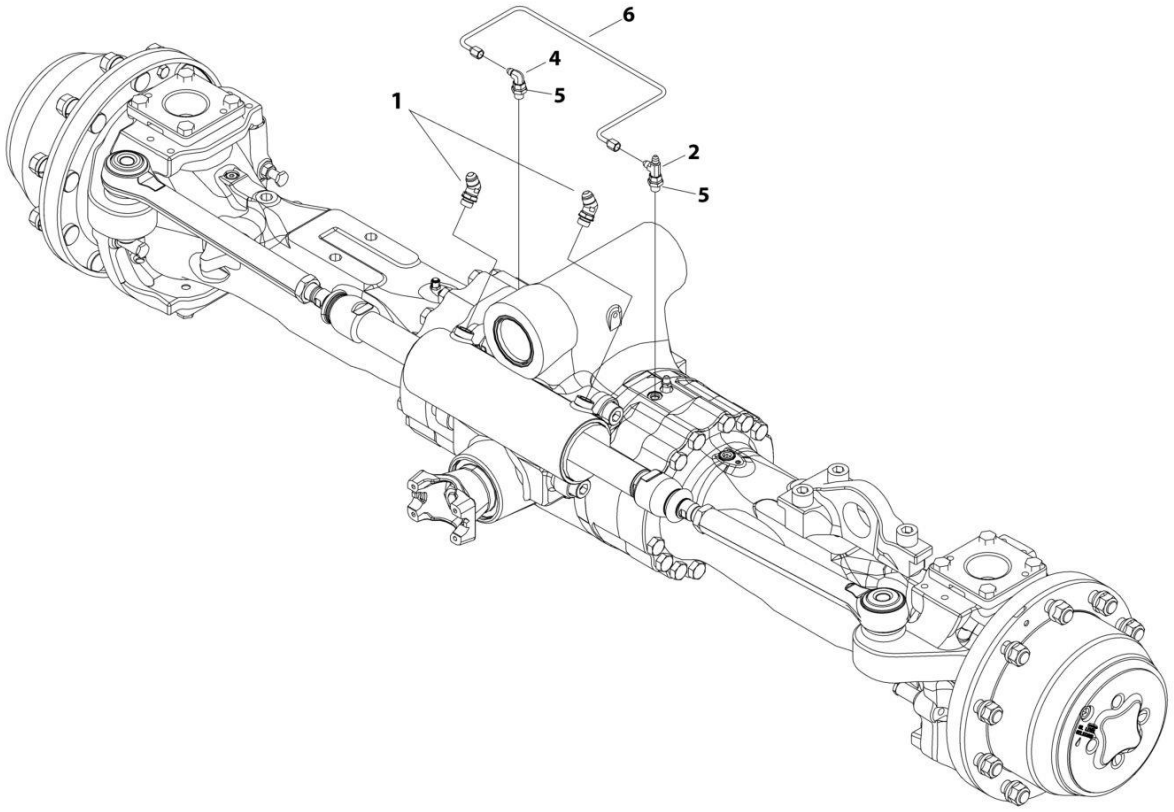

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FIGURE 8-4. AXLE HYDRAULICS INSTALLATION - REAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224460	Ref	Rear Axle Hydraulic Assembly	C
1	2220500	2	Fitting, 45 JIC/ORB	
2	2220605	1	Fitting, Tee JIC/FSJIC/JIC	
4	2220654	1	Fitting, 90 JIC/FSJIC	
5	1001227636	2	Fitting, Straight JIC/MMP	
6	1001224471	1	Tube	

FIGURE 8-5. AXLE PIN LUBE HYDRAULICS INSTALLATION

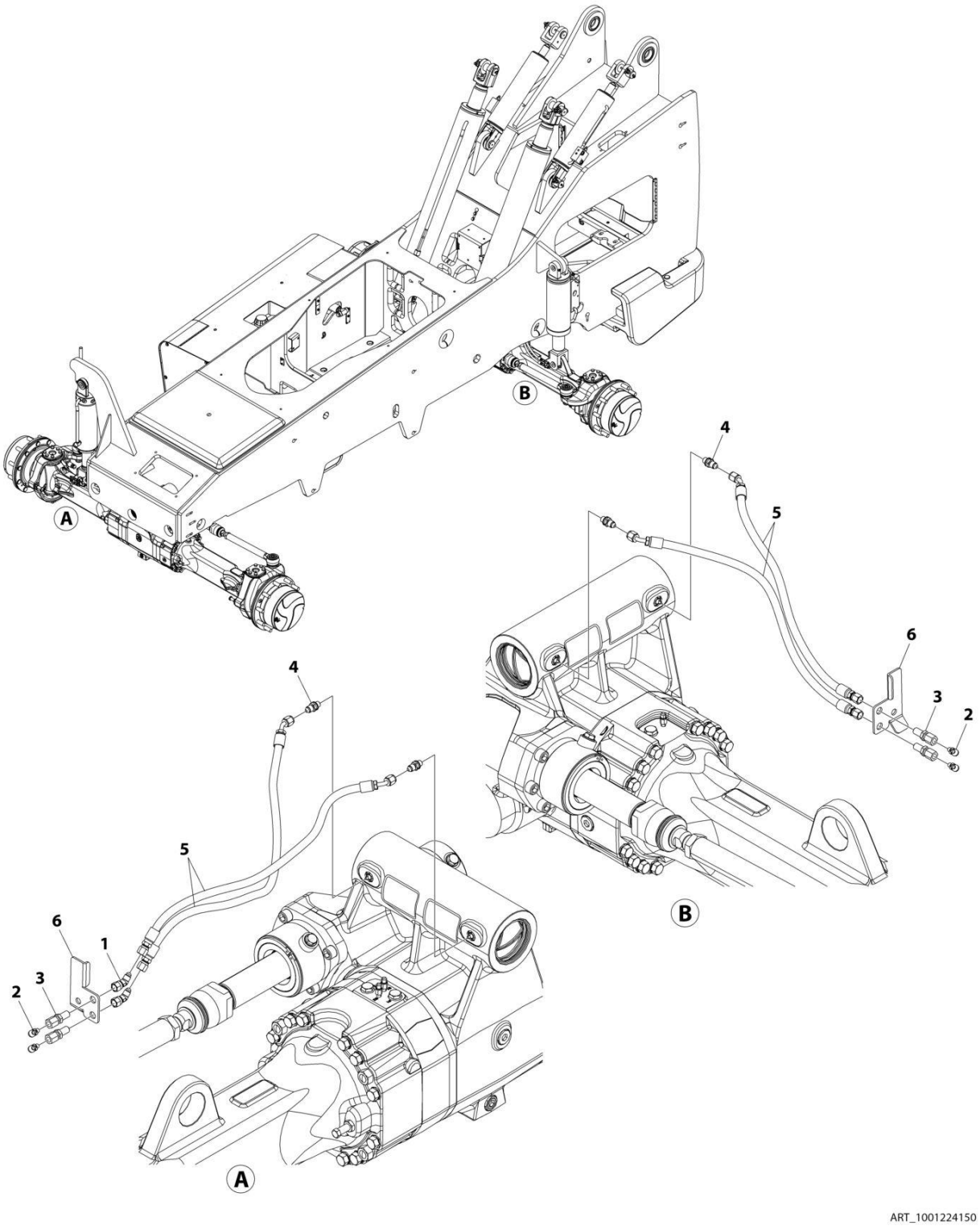

FIGURE 8-5. AXLE PIN LUBE HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224150	Ref	Axle Pin Lube Kit Installation	B
1	2220677	2	Adapter, 45	
2	8520003	4	Fitting, 90 Lube	
3	80623016	4	Adapter, Bulkhead Straight	
4	1001107589	4	Adapter, Straight	
5	1001226795	4	Hose, Lubrication	
6	1001224242	2	Bracket, Hose	

FIGURE 8-6. BULKHEAD (REAR) INSTALLATION (10054)

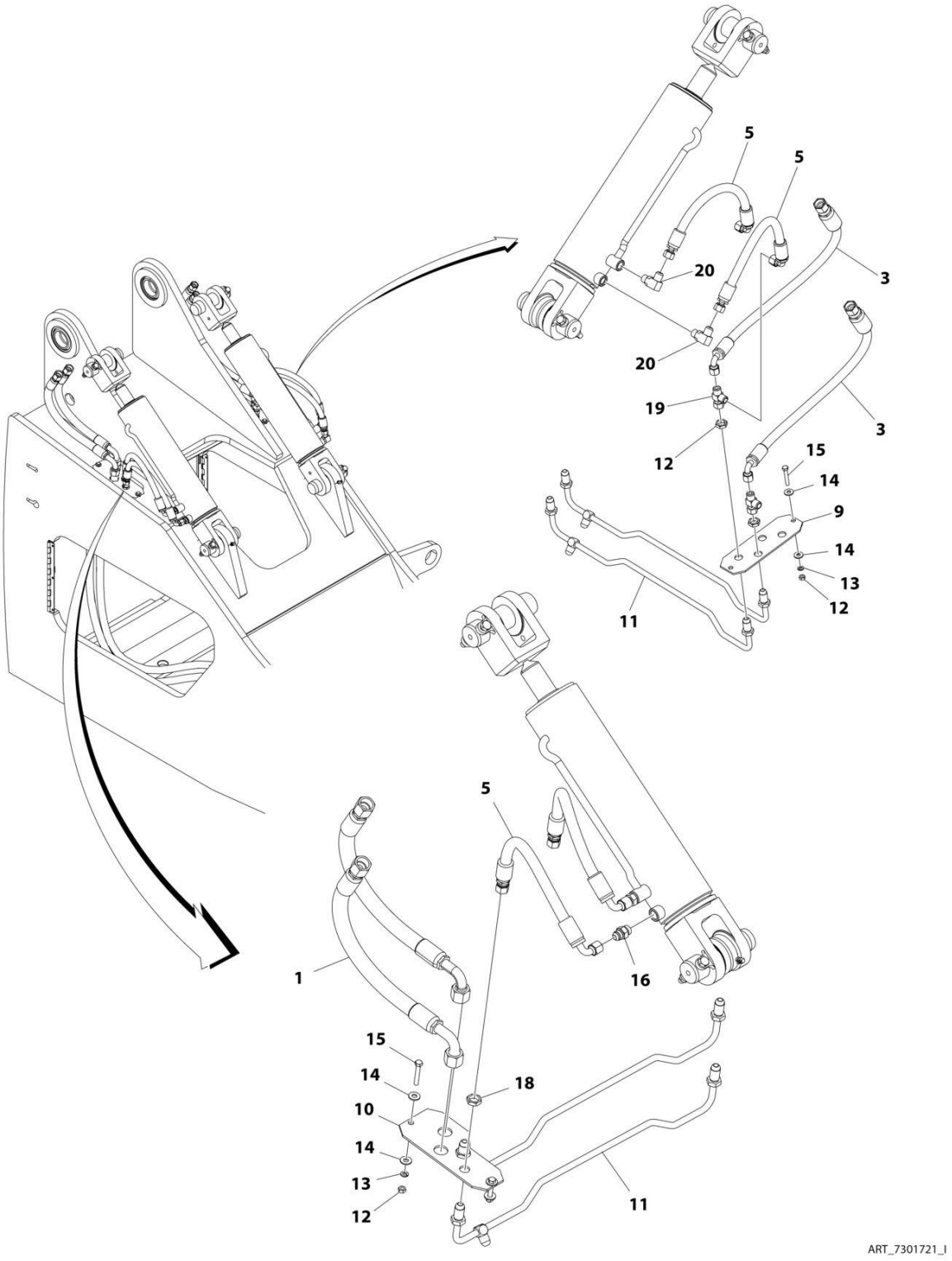

FIGURE 8-6. BULKHEAD (REAR) INSTALLATION (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301721	Ref	Rear Bulkhead Installation - 10054	I
1	2755060	2	Hose	
3	2716714	2	Hose	
5	2716715	4	Hose	
9	7139504	1	Plate, Bulkhead	
10	7139505	1	Plate, Bulkhead	
11	1001257571	2	Tube	
12	8305006	4	Nut 5/16	
13	8307004	4	Washer 5/16	
14	8307203	8	Washer 5/16	
15	8310009	4	Bolt 5/16X2	
16	2220373	2	Fitting, Straight JIC	
18	8760463	2	Fitting, Nut	
19	2220385	2	Fitting, Tee	
20	2220596	2	Fitting, 90 JIC/ORB	

FIGURE 8-7. CAB HYDRAULICS INSTALLATION

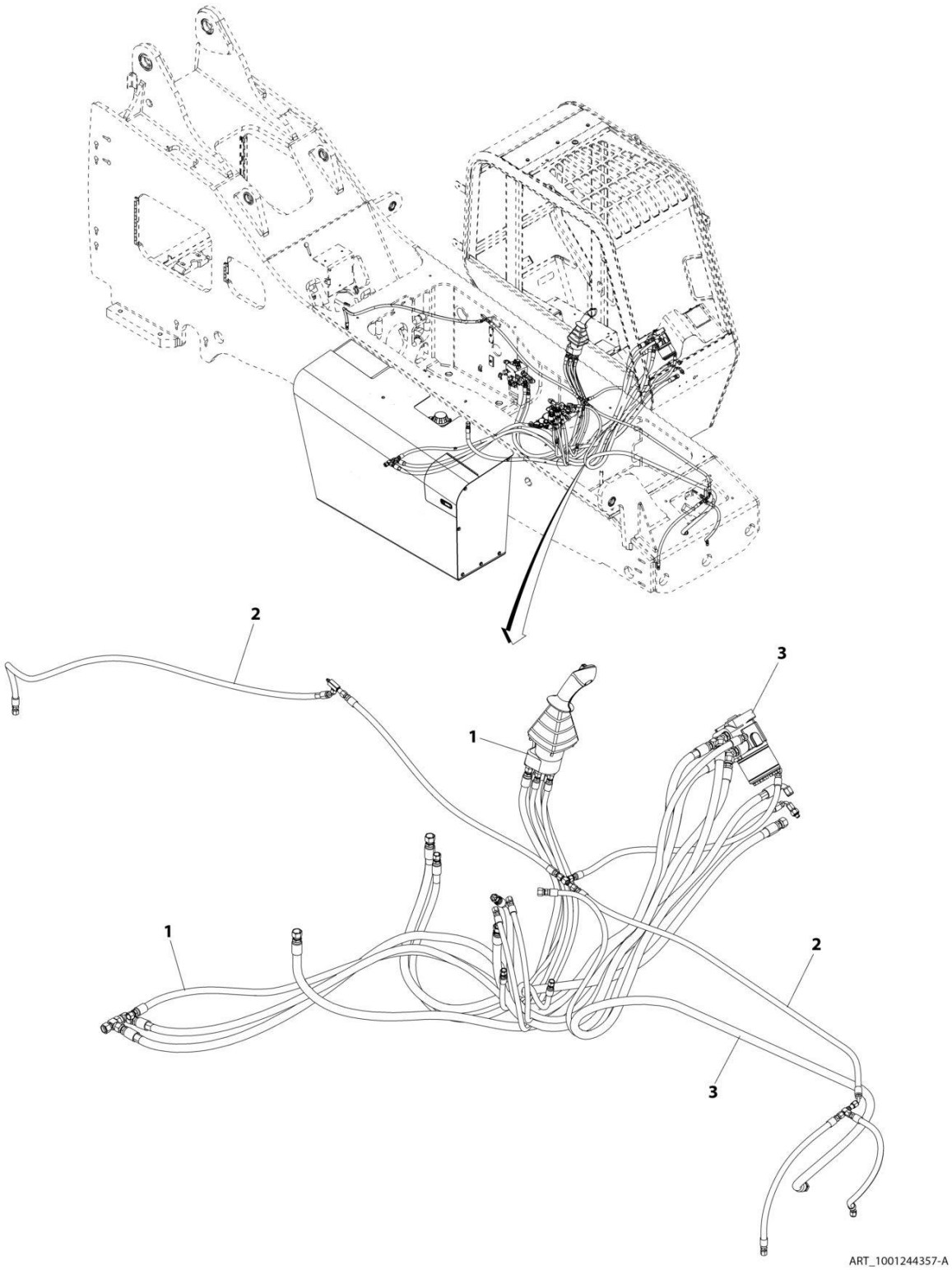

FIGURE 8-7. CAB HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244357	Ref	Cab Hydraulics Installation	A
1	1001158786	Ref	Pilot Controls Installation (See Separate Breakdown in this Section)	
2	1001245054	Ref	Brake Hydraulic Installation (See Separate Breakdown in this Section)	
3	1001245057	Ref	Steering Hydraulic Installation (See Separate Breakdown in this Section)	

FIGURE 8-8. CAB TO BRAKE HYDRAULICS INSTALLATION

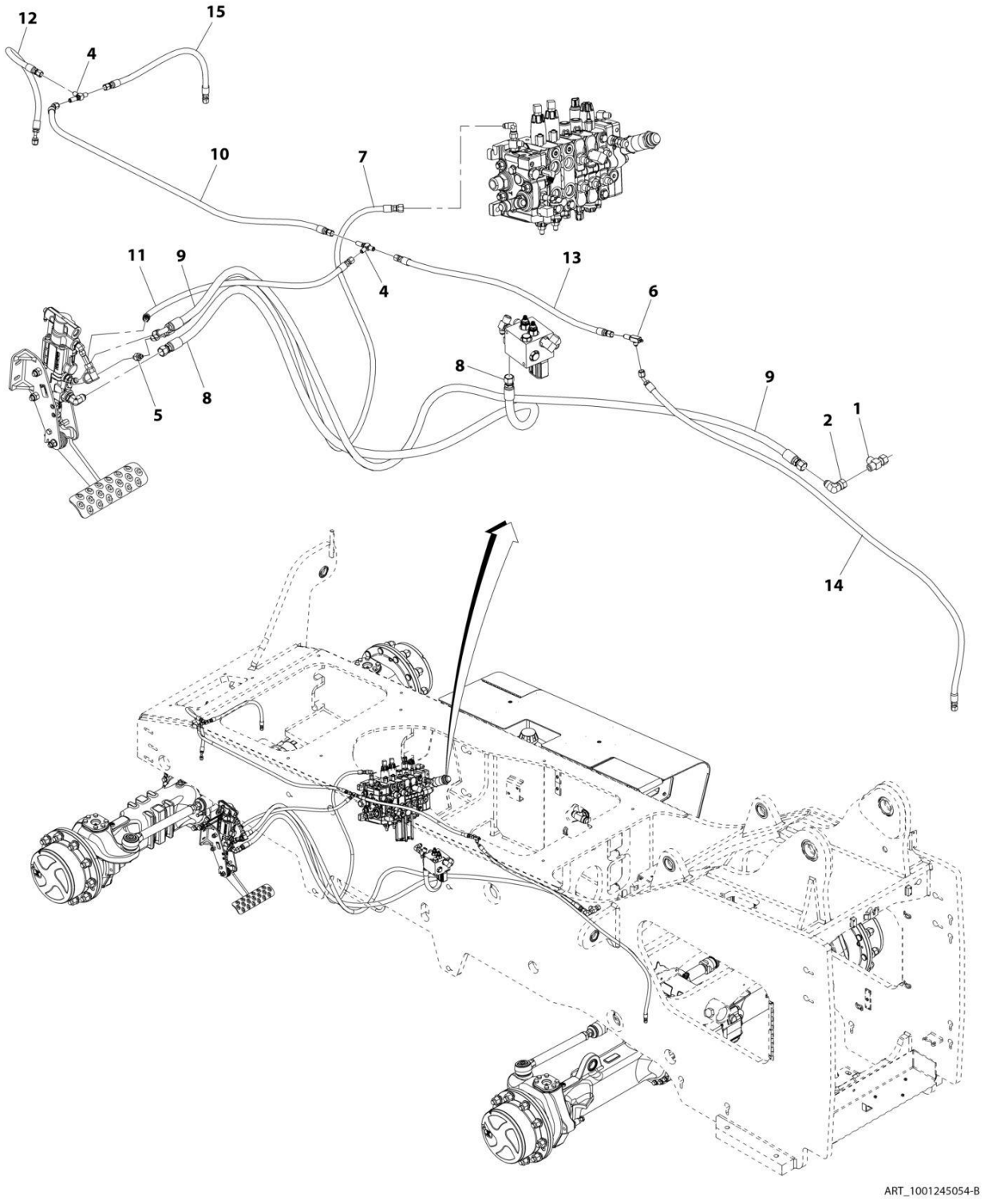

FIGURE 8-8. CAB TO BRAKE HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245054	Ref	Hydraulic Brake Installation	B
1	2220385	1	Adapter, Run Tee	
2	8765204	1	Adapter, Straight	
4	10728823	2	Bulkhead Connector Tee	
5	1001183370	1	Check Valve	
6	1001201734	1	Brake Bleeder Tee, Manifold	
7	1001244980	1	Hose Assembly	
8	1001201737	1	Hose Assembly	
9	1001201738	1	Hose Assembly	
10	1001210093	1	Hose Assembly	
11	1001210859	1	Hose Assembly	
12	1001210860	1	Hose Assembly	
13	1001210862	1	Hose Assembly	
14	1001210863	1	Hose Assembly	
15	1001219045	1	Hose Assembly	

FIGURE 8-9. CAB PILOT CONTROLS HYDRAULICS INSTALLATION

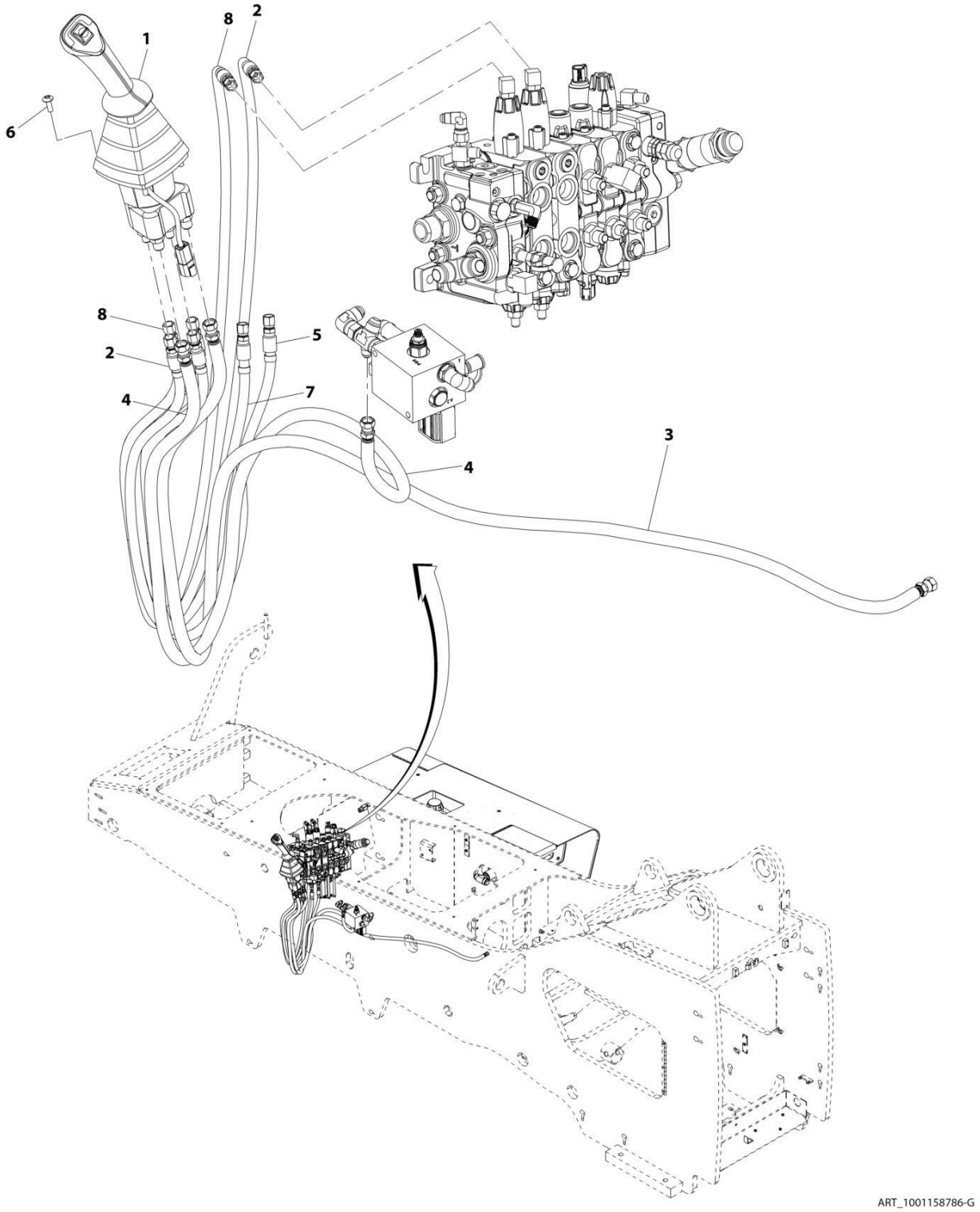

FIGURE 8-9. CAB PILOT CONTROLS HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158786	Ref	Pilot Controls Installation	G
1	1001158004	1	Assembly, Pilot Joystick (See Separate Breakdown in this Section)	
2	1001252971	1	Hose	
3	1001254099	1	Hose	
4	1001158398	1	Hose	
5	1001252970	1	Hose	
6	8303034	4	Screw, 1/4-20X3/4	
7	1001252968	1	Hose	
8	1001252969	1	Hose	

FIGURE 8-10. PILOT CONTROL VALVE AND FITTINGS ASSEMBLY

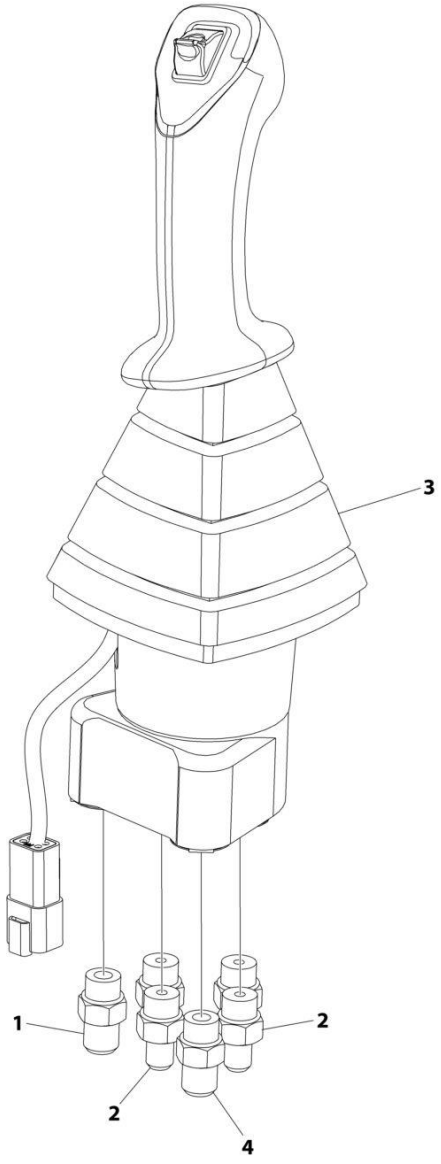

FIGURE 8-10. PILOT CONTROL VALVE AND FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158004	Ref	PILOT JOYSTICK & FITTING ASSEMBLY	C
1	2220371	1	Adapter, Straight JIC	
2	2220582	4	Adapter, Straight JIC	
3	1001158002	1	Control & Fittings Assembly - Pilot Joystick (See Separate Breakdown in CONTROLS Section)	
4	1001282050	1	Adapter, Straight JIC	

FIGURE 8-11. CAB TO STEERING HYDRAULICS INSTALLATION

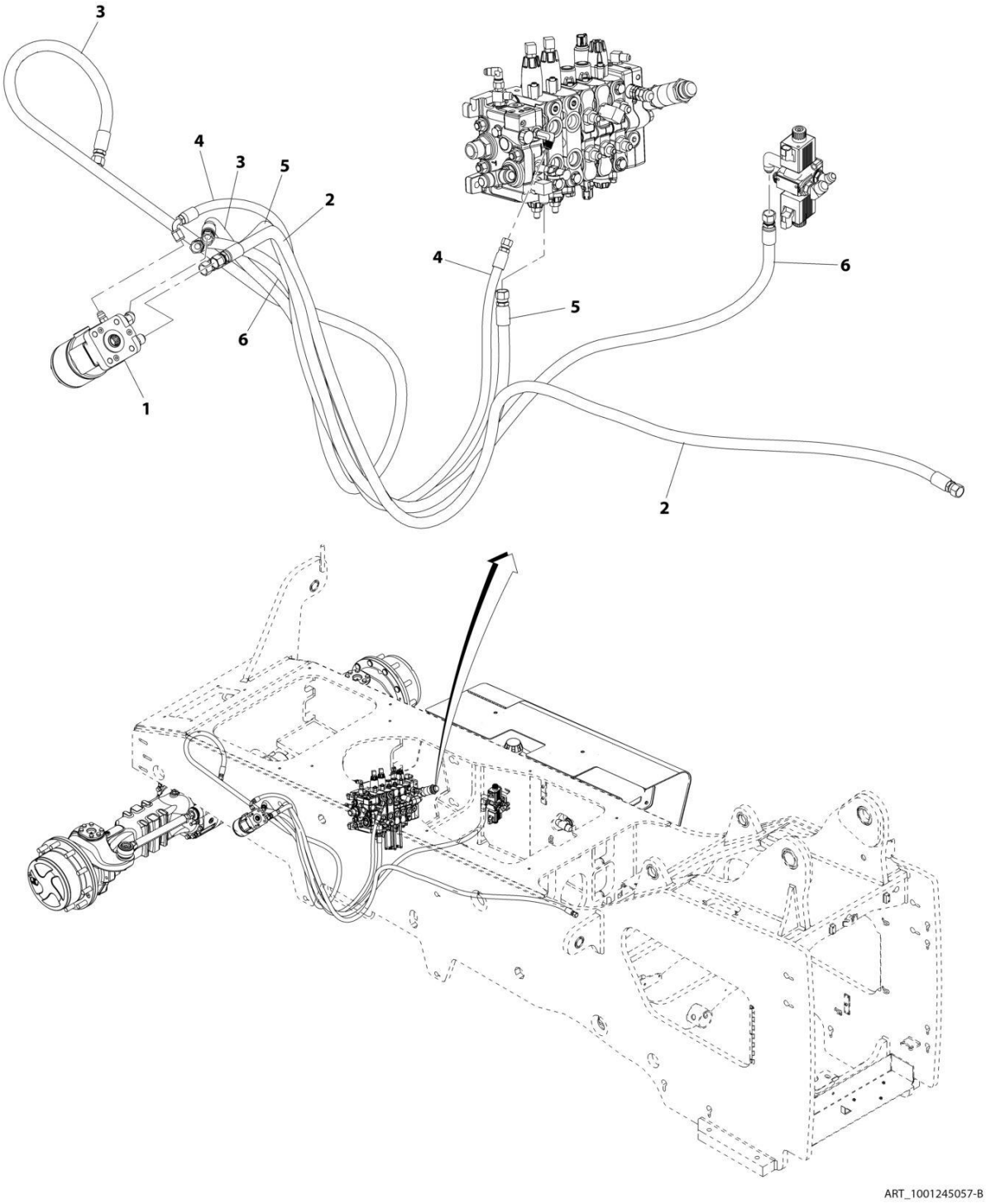

FIGURE 8-11. CAB TO STEERING HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245057	Ref	Hydraulic Steering Installation	B
1	1001158528	1	Steering Valve Installation (See Separate Breakdown in this Section)	
2	1001245058	1	Hose Assembly	
3	1001157102	1	Hose Assembly	
4	1001158357	1	Hose Assembly	
5	1001171786	1	Hose Assembly	
6	1001173177	1	Hose Assembly	

FIGURE 8-12. CAB STEERING VALVE & FITTING ASSEMBLY

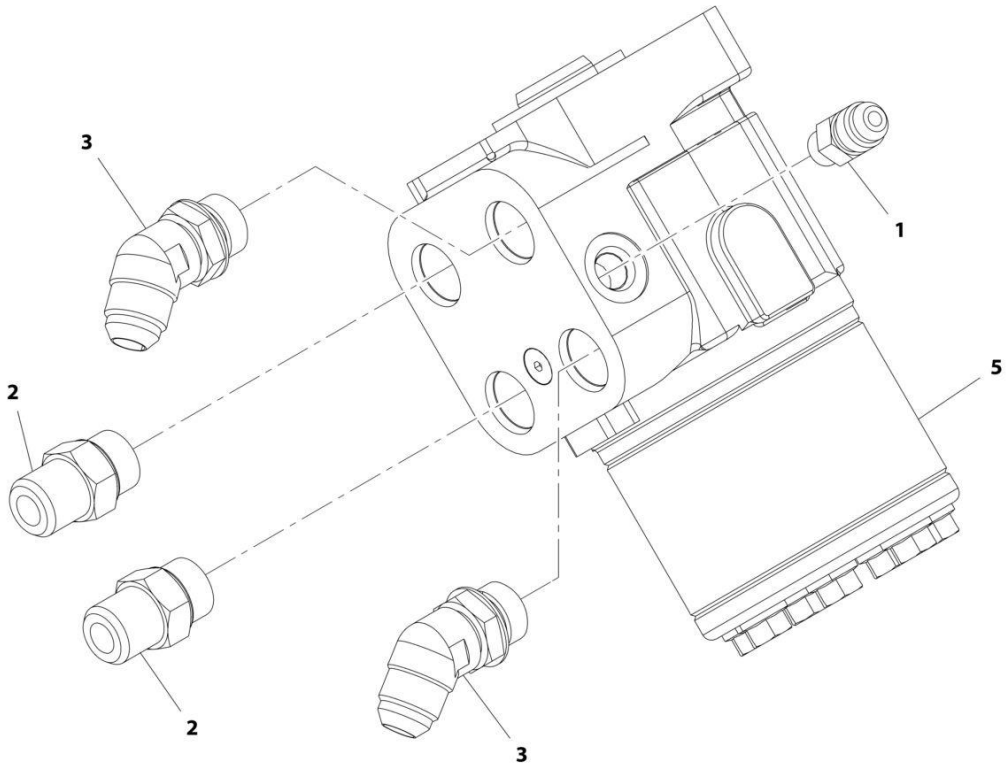

FIGURE 8-12. CAB STEERING VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158528	1	Steering Valve & Fitting Assembly	C
1	2220603	1	Adapter, Straight JIC	
2	2220373	2	Adapter, Straight JIC	
3	2220500	2	Adapter, 45 JIC	
5	1001158527	1	Valve, Steering	
5	70026401	1	Seal Kit - Steering Valve	

FIGURE 8-13. COOLER HYDRAULICS INSTALLATION

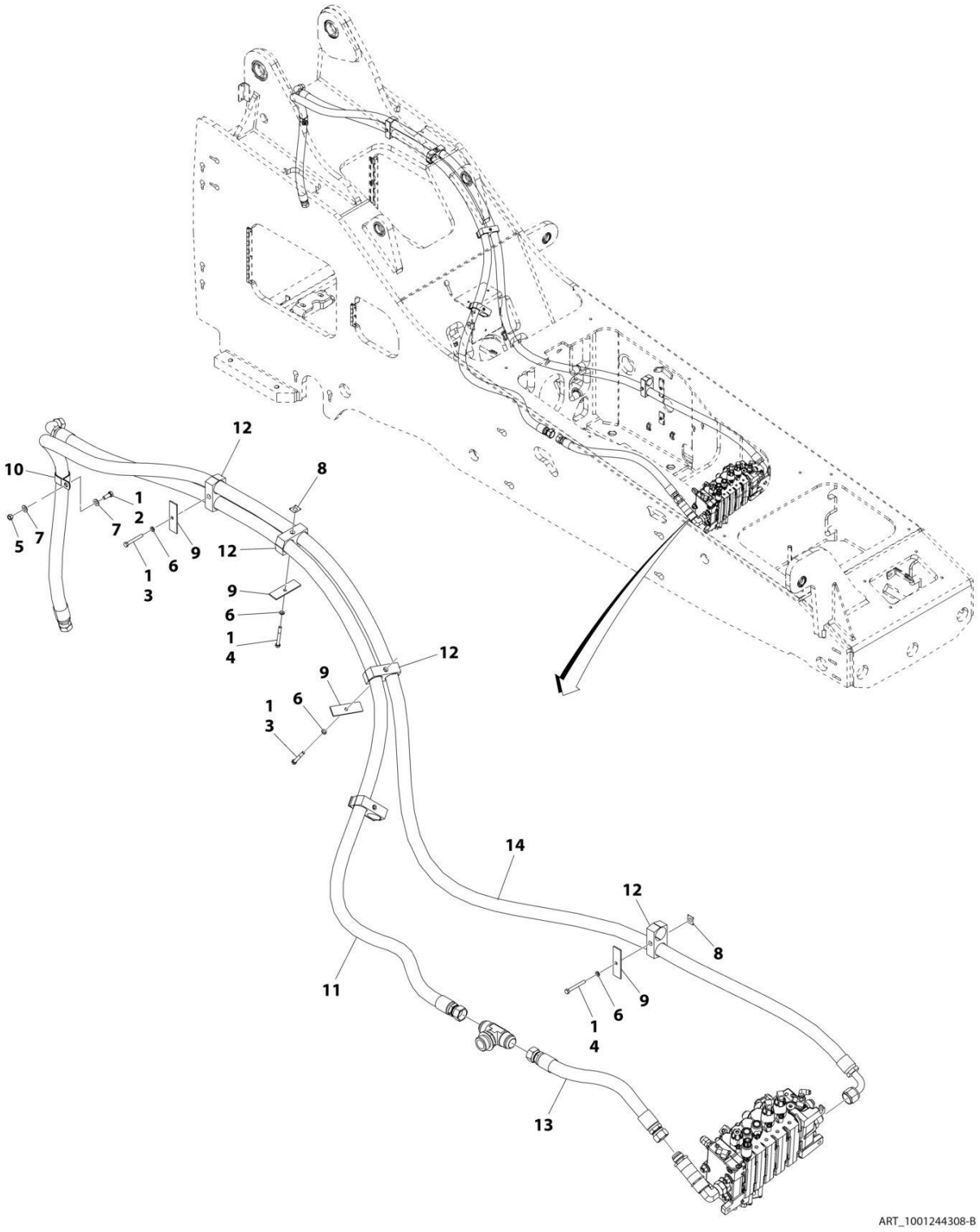

FIGURE 8-13. COOLER HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244308	Ref	Hydraulic Cooler Plumbing Installation	B
1	0100011	AR	Compound, Locking	
2	8303620	1	Bolt, 3/8X1	
3	8303757	3	Bolt, 5/16X2-1/2	
4	8303766	2	Bolt, 5/16X2-3/4	
5	8305008	1	Nut, 3/8	
6	8307004	5	Washer	
7	8307110	2	Washer	
8	8750017	2	Locking Plate	
9	8750025	5	Cover Plate, Twin	
10	85841150	1	Clamp, Support	
11	1001177753	1	Hose Assembly	
12	1001196109	5	Clamp, Twin Hose	
13	1001244306	1	Hose	
14	1001244307	1	Hose	

FIGURE 8-14. COOLER (TRANSMISSION) HYDRAULICS INSTALLATION

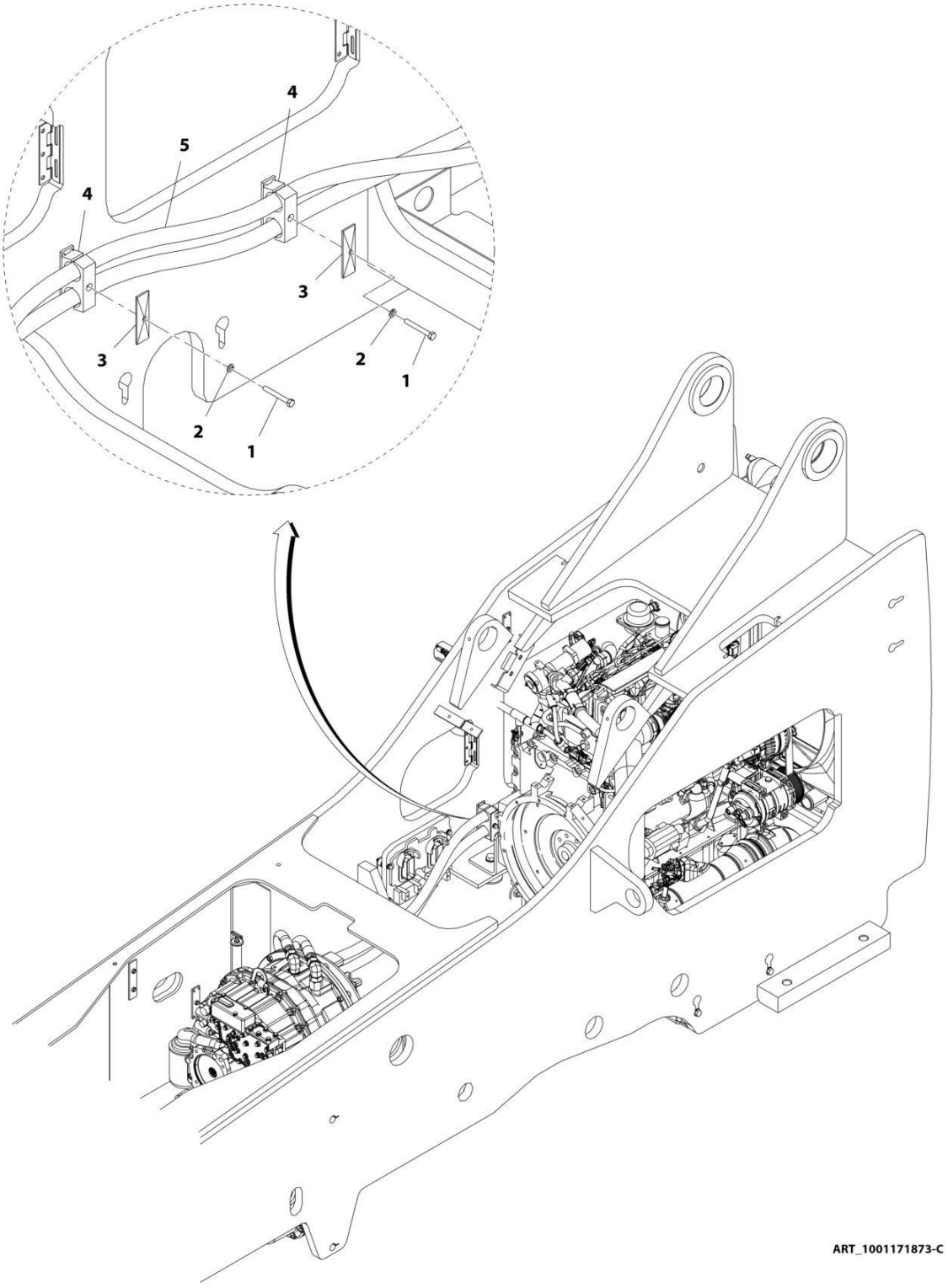

FIGURE 8-14. COOLER (TRANSMISSION) HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171873	Ref	Hydraulic Transmission Cooler Plumbing Installation	C
1	8303757	2	Bolt, 5/16X2-1/2	
2	8307004	2	Washer, Lock 5/16	
3	8750025	2	Cover Plate, Twin	
4	8750040	2	Clamp Set, Twin	
5	1001171986	2	Hose	

FIGURE 8-15. CYLINDER HYDRAULICS INSTALLATION - BOOM EXTEND

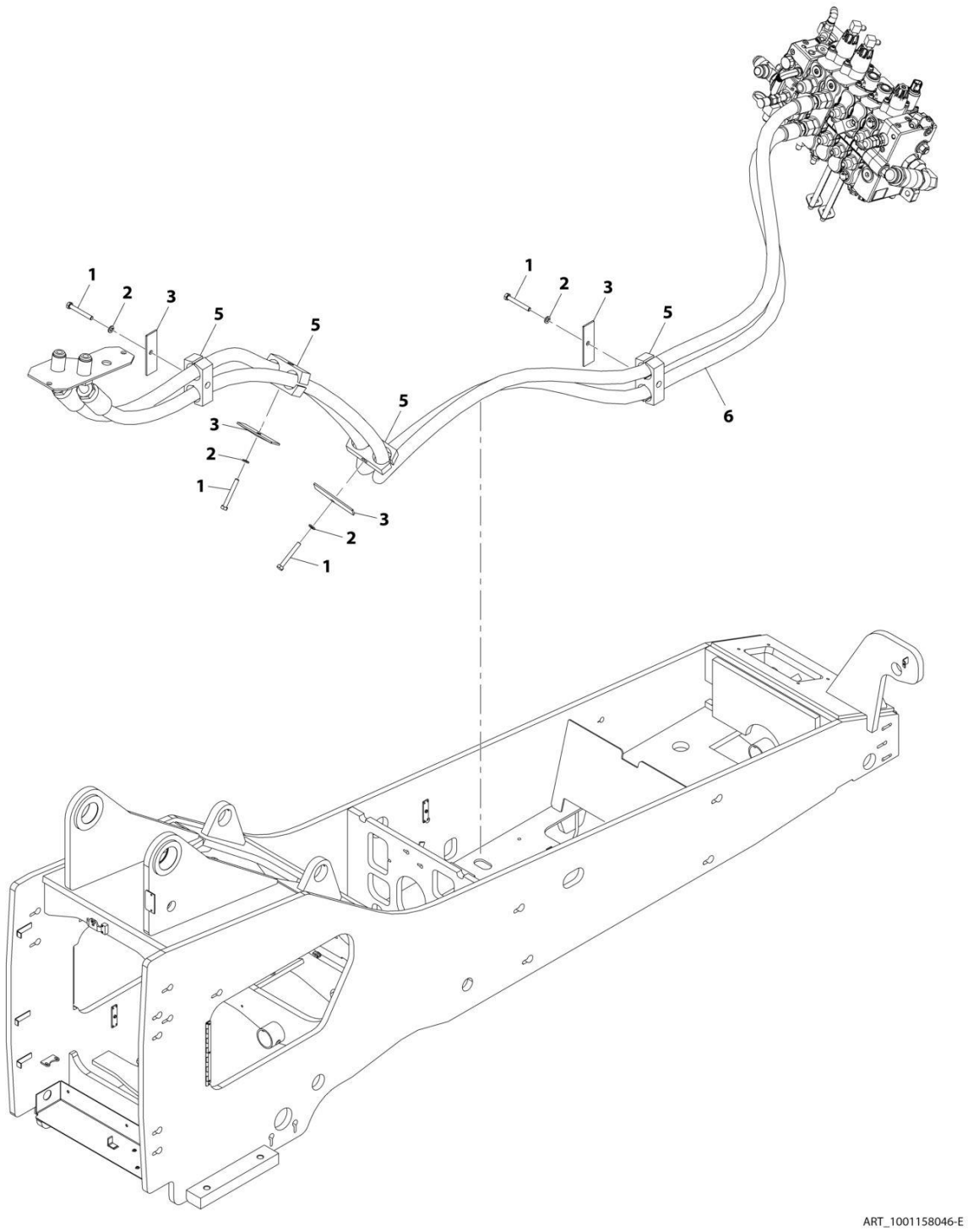

FIGURE 8-15. CYLINDER HYDRAULICS INSTALLATION - BOOM EXTEND

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158046	Ref	Extend Cylinder Installation	E
1	8303757	4	Bolt, 5/16-18X2-1/2	
2	8307004	4	Washer, Lock 5/16	
3	8750025	4	Cover Plate, Twin	
5	8750040	4	Clamp Set, Twin	
6	1001171190	2	Hose	

FIGURE 8-16. CYLINDER HYDRAULICS INSTALLATION - FRAME

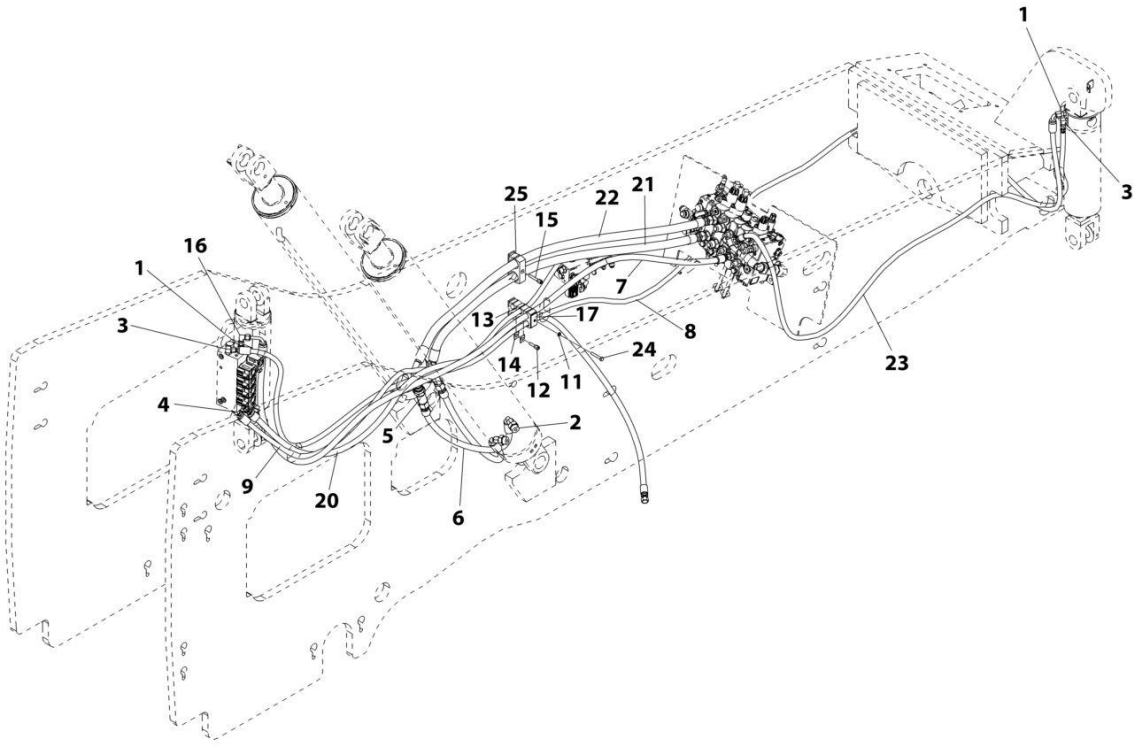

FIGURE 8-16. CYLINDER HYDRAULICS INSTALLATION - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173841	Ref	Hydraulic Frame Cylinders Installation	G
1	2220371	2	Adapter, Straight	
2	2220375	2	Adapter, Straight	
3	2220473	2	Adapter, 90	
4	2220501	2	Adapter, 45	
5	2220695	2	Adapter, Branch Tee	
6	2716675	2	Hose	
7	2716686	1	Hose	
8	2716688	1	Hose	
9	2716691	1	Hose	
11	8307004	1	Washer, Lock 5/16	
12	8750012	1	Bolt, Stacking	
13	8750027	2	Clamp Set, Twin	
14	8750017	2	Plate, Twin Clamp Locking	
15	8750026	1	Bolt, Stacking	
16	8760268	1	Adapter, 90	
17	8769128	1	Cover Plate, Twin	
20	1001202384	1	Hose	
21	1001171191	1	Hose	
22	1001171193	1	Hose	
23	1001171194	1	Hose	
24	8310009	1	Bolt, 5/16X2	
25	8750040	1	Clamp Set, Twin	

FIGURE 8-17. CYLINDER HYDRAULICS INSTALLATION - TELESCOPE CYLINDER CUTOUT

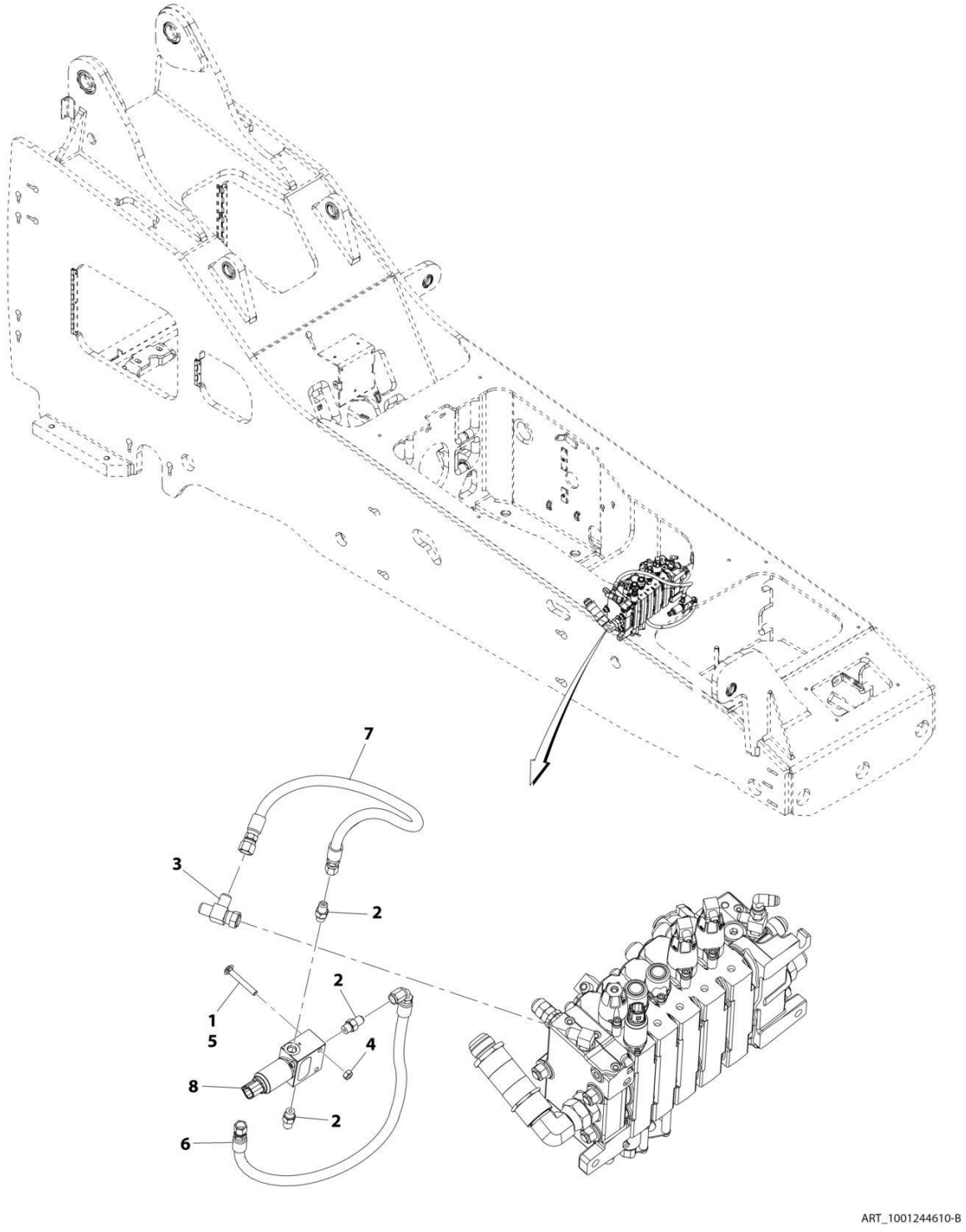

FIGURE 8-17. CYLINDER HYDRAULICS INSTALLATION - TELESCOPE CYLINDER CUTOUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244610	Ref	Extend Cylinder Lockout Installation	B
1	0100011	AR	Compound, Locking	
2	2220415	3	Adapter, Straight	
3	2220635	1	Adapter, Run Tee	
4	8305004	2	Nut	
5	8310576	2	Bolt, Carriage	
6	1001244359	1	Hose Assembly	
7	1001244361	1	Hose Assembly	
8	1001245158	1	Valve, 2 Position/ 3 Port	
8	70030036	1	Valve, Solenoid	
8	70030037	2	Screw	

FIGURE 8-18. FORK TILT HYDRAULICS INSTALLATION

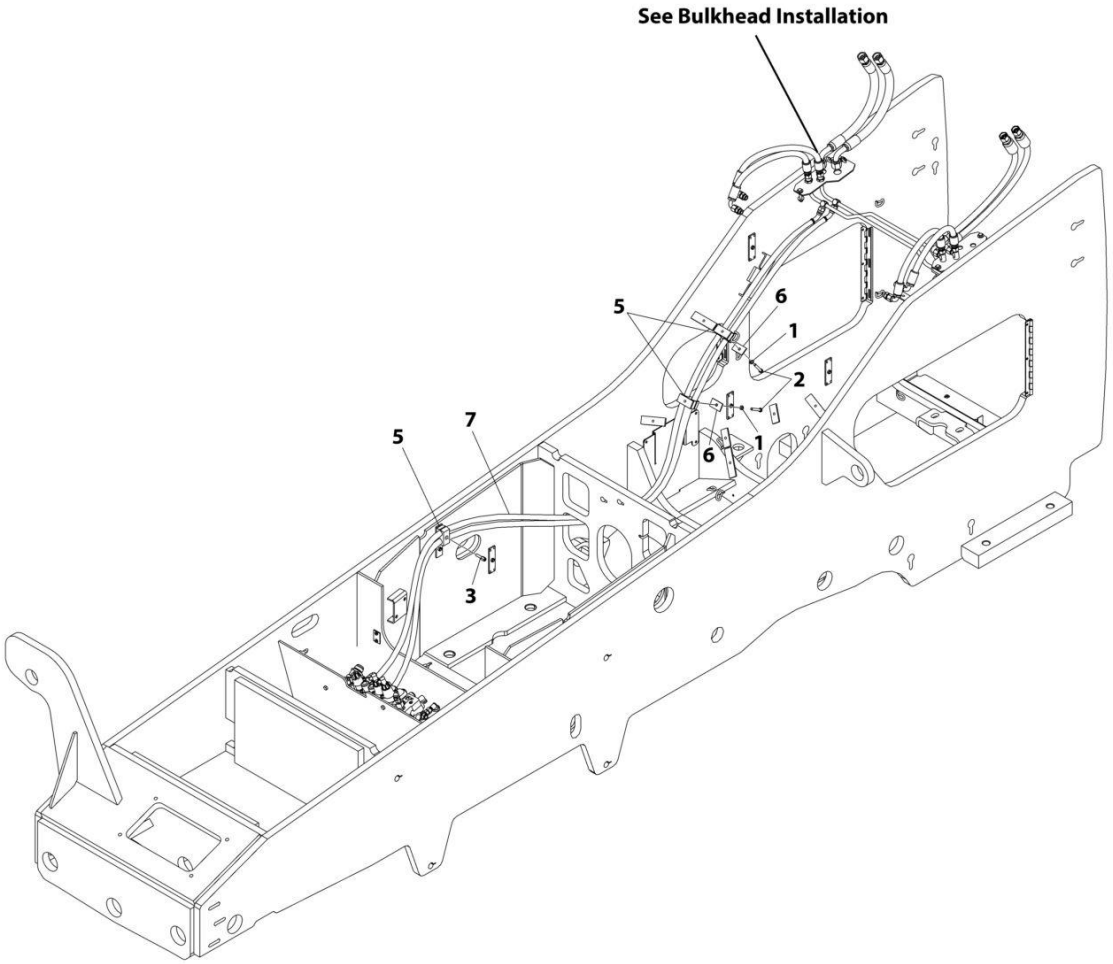

FIGURE 8-18. FORK TILT HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158040	Ref	HYDRAULIC FORK TILT INSTALLATION	G
1	8307004	2	Washer 5/16	
2	8310009	2	Bolt 5/16 x 2	
3	8750012	1	Bolt, Stacking	
5	8750027	3	Clamp Set, Twin	
6	8769128	2	Cover Plate, Twin	
7	1001171188	2	Hose	

FIGURE 8-19. OUTRIGGER VALVE & FITTING ASSEMBLY

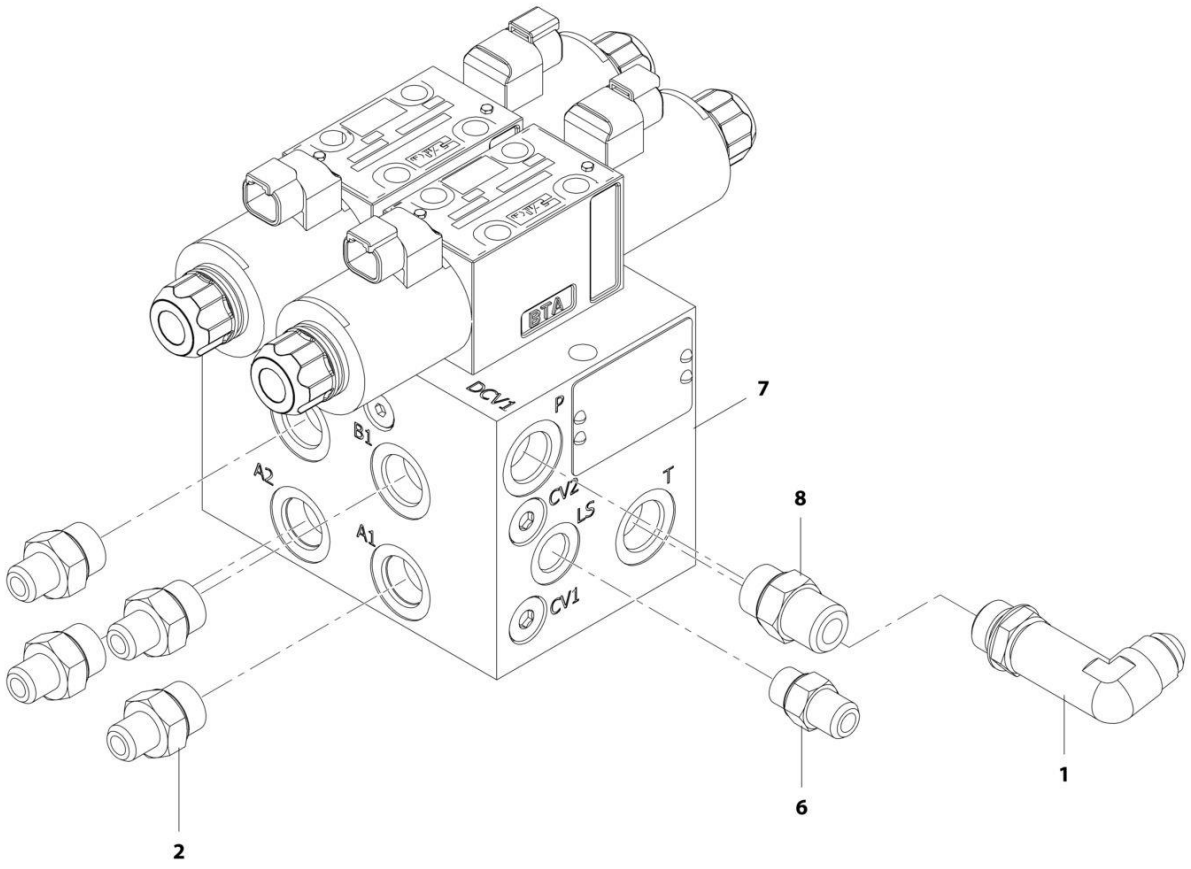

FIGURE 8-19. OUTRIGGER VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158611	1	Outrigger Valve & Fitting Assembly - 10042 & 10054	E
1	2220474	1	Adapter, Long 90	
2	2220372	4	Adapter, Straight JIC	
6	2220371	1	Adapter, Straight JIC	
7	1001256316	1	Valve, Outrigger (See Separate Breakdown in HYDRAULIC COMPONENTS SECTION)	
8	2220373	1	Adapter, Straight JIC	

FIGURE 8-20. MAIN CONTROL VALVE INSTALLATION

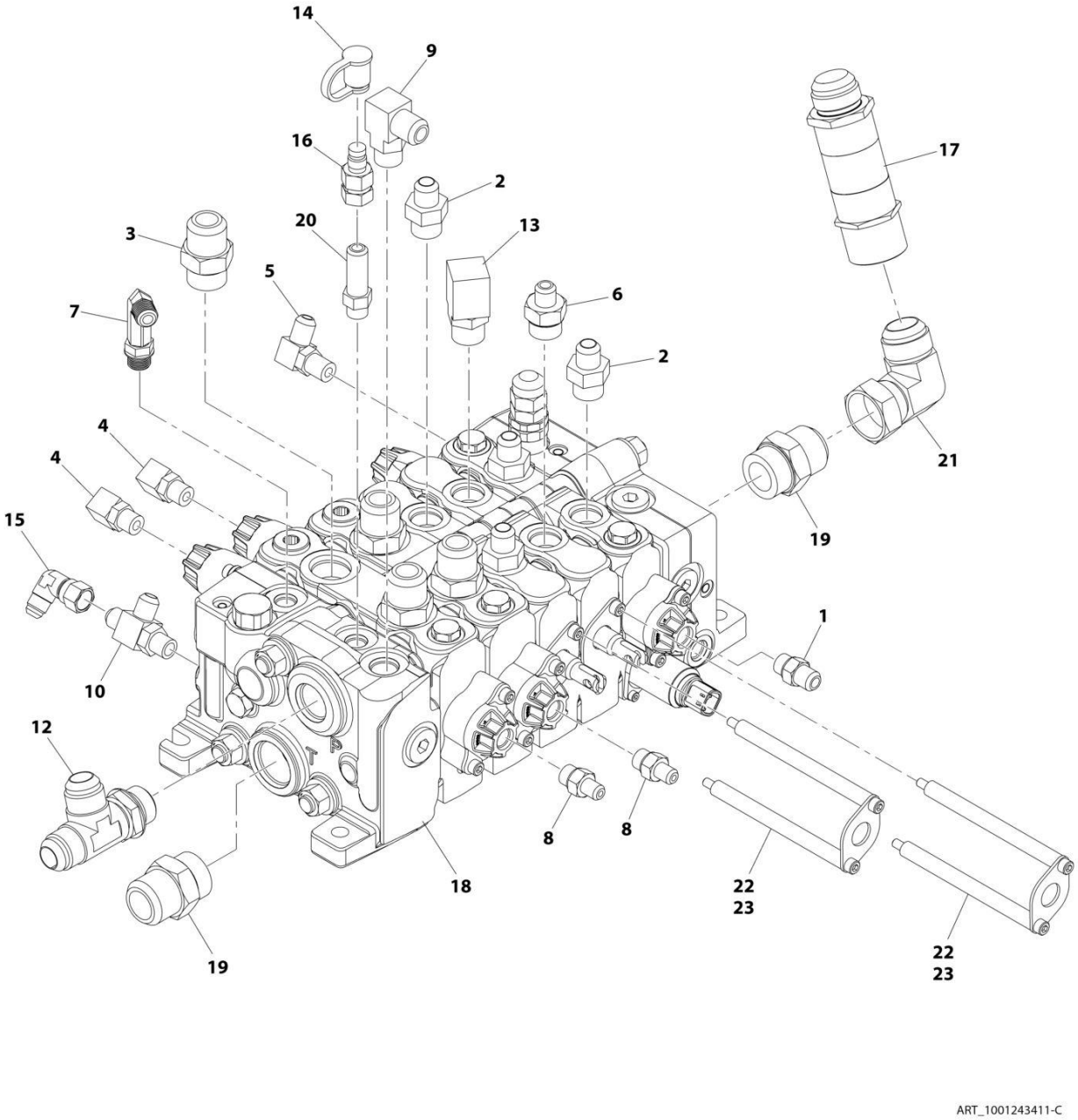

FIGURE 8-20. MAIN CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243411	Ref	Main Control Valve & Fittings Sub-Assembly	C
1	2220371	1	Adapter	
2	2220374	4	Adapter	
3	2220451	4	Adapter	
4	2220472	2	Adapter	
5	2220473	1	Adapter	
6	2220497	1	Adapter	
7	2220819	1	Adapter	
8	2220582	2	Adapter	
9	2220596	1	Adapter	
10	2220606	1	Adapter	
12	2220738	1	Adapter	
13	2220828	1	Adapter	
14	8430032	1	Plug	
15	8760268	1	Adapter	
16	8430046	1	Adapter	
17	1001174375	1	Valve, Check	
18	1001242925	1	Valve, Main Control Valve Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS SECTION)	
19	2220377	2	Adapter	
20	2220998	1	Adapter	
21	2220878	1	Adapter	
22	1001254386	2	Mount, Cable Control	
23	0100011	AR	Compound, Locking	

FIGURE 8-21. PUMP HYDRAULICS INSTALLATION

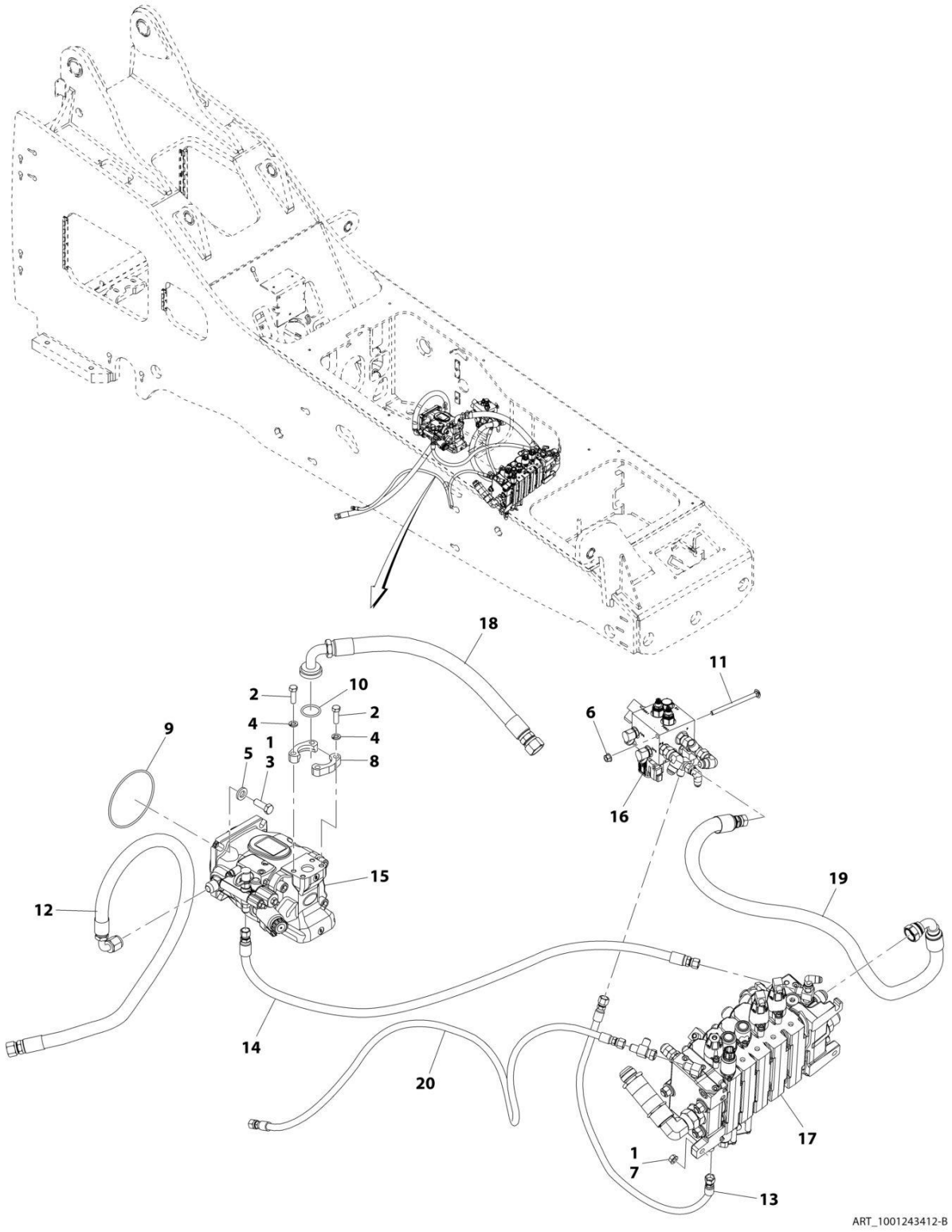

FIGURE 8-21. PUMP HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243412	Ref	Hydraulic Pump Installation	C
1	0100011	AR	Compound, Locking	
2	8303675	4	Screw, 3/8 x 1-1/4	
3	8303519	4	Screw, M12 x 1-3/4	
4	8307005	4	Washer	
5	8310356	4	Washer	
6	8310420	2	Nut	
7	8310522	3	Nut	
8	8530030	2	Flange	
9	8630019	1	O-Ring	
10	8640123	1	O-Ring	
11	1001163685	2	Bolt, 5/16-18 x 4-1/2	
12	1001168451	1	Hose Assembly	
13	1001194592	1	Hose Assembly	
14	1001198684	1	Hose Assembly	
15	1001251426	1	Piston Pump Installation	
16	1001247171	1	Valve & Fitting Assembly - Secondary (See Separate Breakdown in this Section)	
17	1001243411	1	Valve & Fitting Assembly - Main (See Separate Breakdown in this Section)	
18	1001244278	1	Hose Assembly	
19	1001247654	1	Hose Assembly	
20	1001244302	1	Hose Assembly	

FIGURE 8-22. SECONDARY VALVE AND FITTING ASSEMBLY

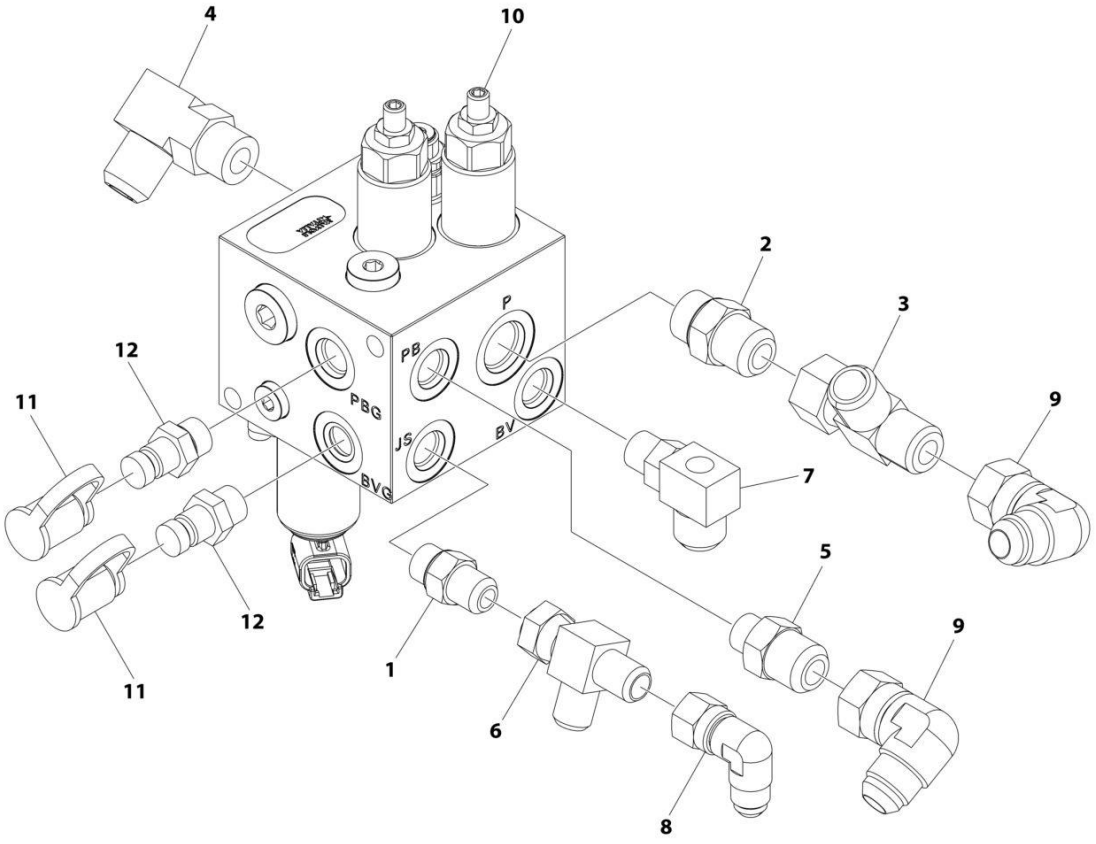

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FIGURE 8-22. SECONDARY VALVE AND FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247171	Ref	SECONDARY VALVE AND FITTING ASSEMBLY	C
1	2220371	1	Fitting, Straight JIC/ORB	
2	2220373	1	Fitting, Straight JIC/ORB	
3	2220385	1	Fitting, Tee JIC/FSJIC/JIC	
4	2220596	1	Fitting, 90 JIC/ORB	
5	2220600	1	Fitting, Straight ORB	
6	2220635	1	Fitting, Tee FM SW x JIC x JIC	
7	2220726	1	Fitting, 90 JIC/ORB	
8	8760268	1	Fitting, 90 JIC/FSJIC	
9	8765204	2	Fitting, 90 JIC/FSJIC	
10	1001302359	1	Valve Assembly - Secondary (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
11	8430032	2	Plug, Dust Cap	
12	1001003590	2	Fitting, Straight ORB	

SECTION 9 - HYDRAULIC COMPONENTS

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. CYLINDER ASSEMBLY - CARRIAGE SIDE SHIFT

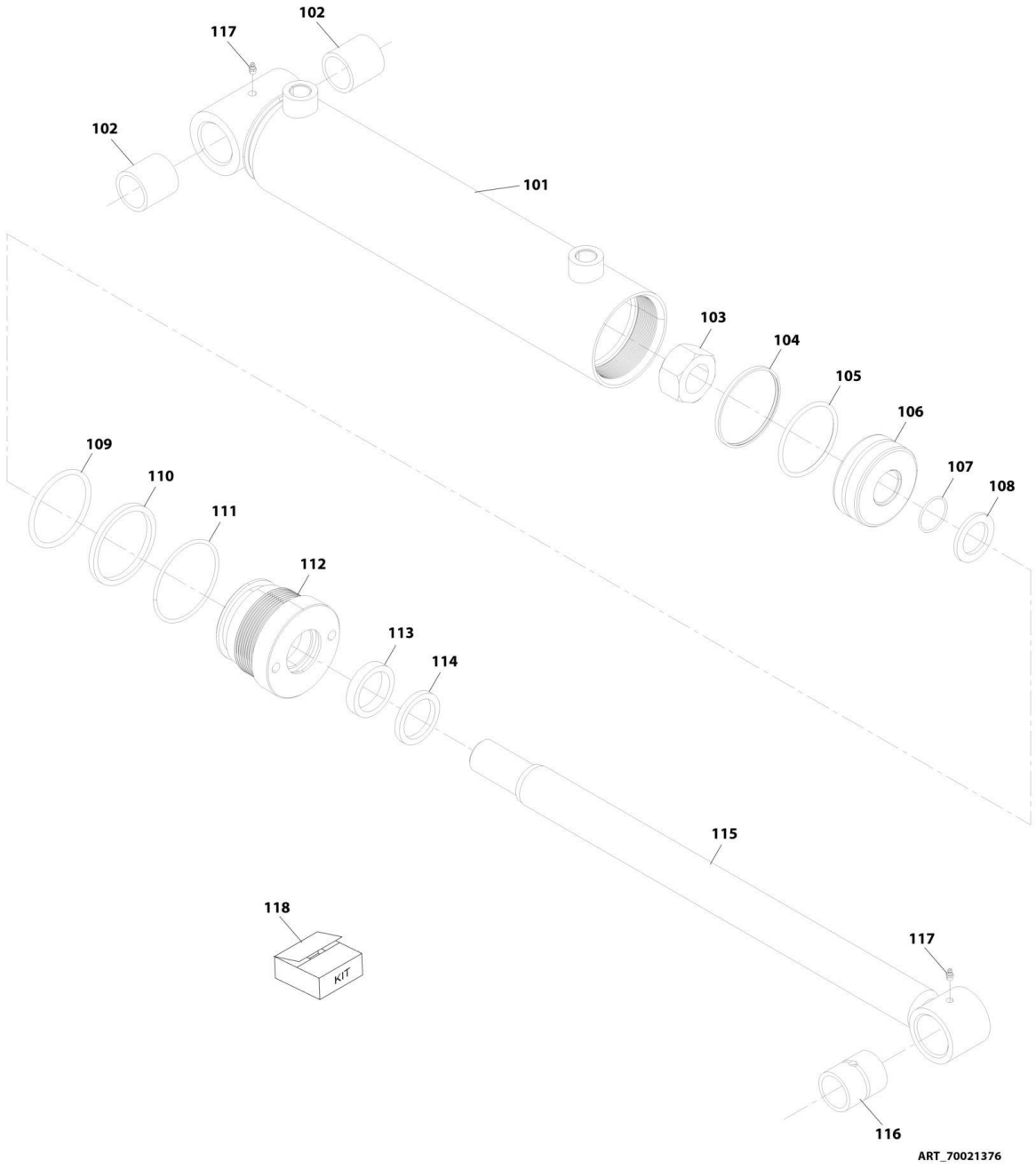


FIGURE 9-1. CYLINDER ASSEMBLY - CARRIAGE SIDE SHIFT

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

FIGURE 9-2. CYLINDER ASSEMBLY - CARRIAGE SIDE TILT

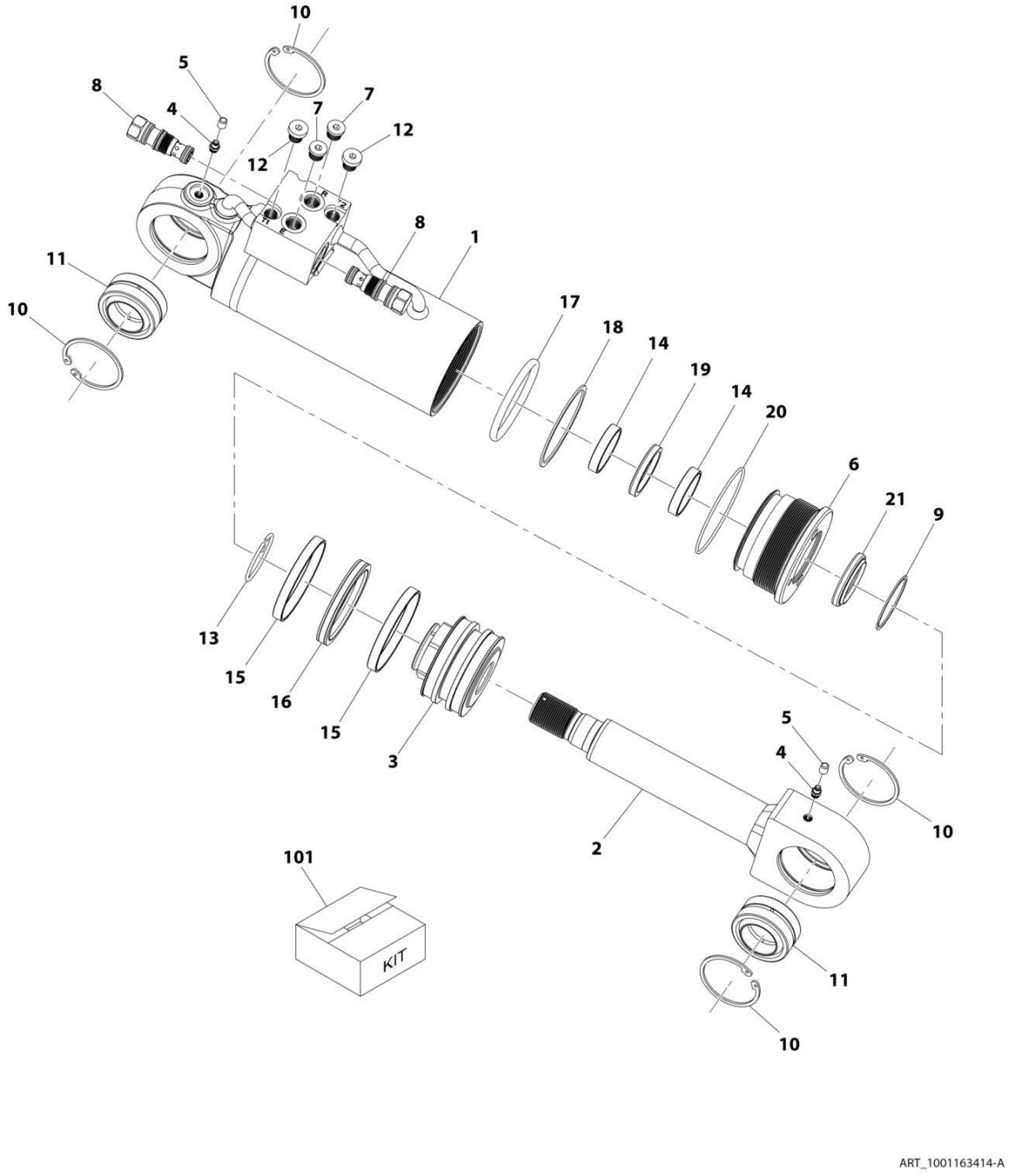


FIGURE 9-2. CYLINDER ASSEMBLY - CARRIAGE SIDE TILT

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

FIGURE 9-3. CYLINDER ASSEMBLY - CARRIAGE SWING

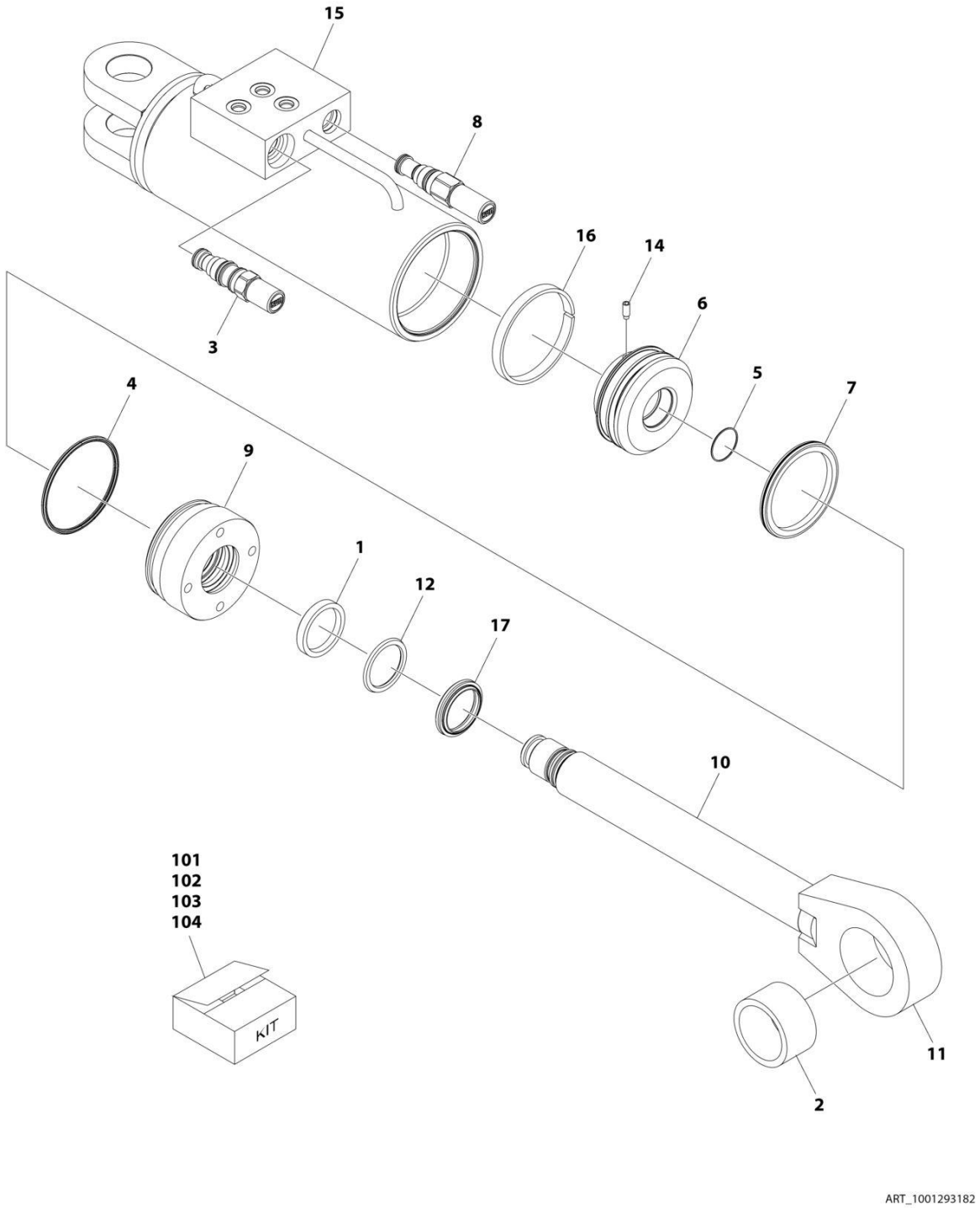


FIGURE 9-3. CYLINDER ASSEMBLY - CARRIAGE SWING

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

FIGURE 9-4. CYLINDER ASSEMBLY - COMPENSATION

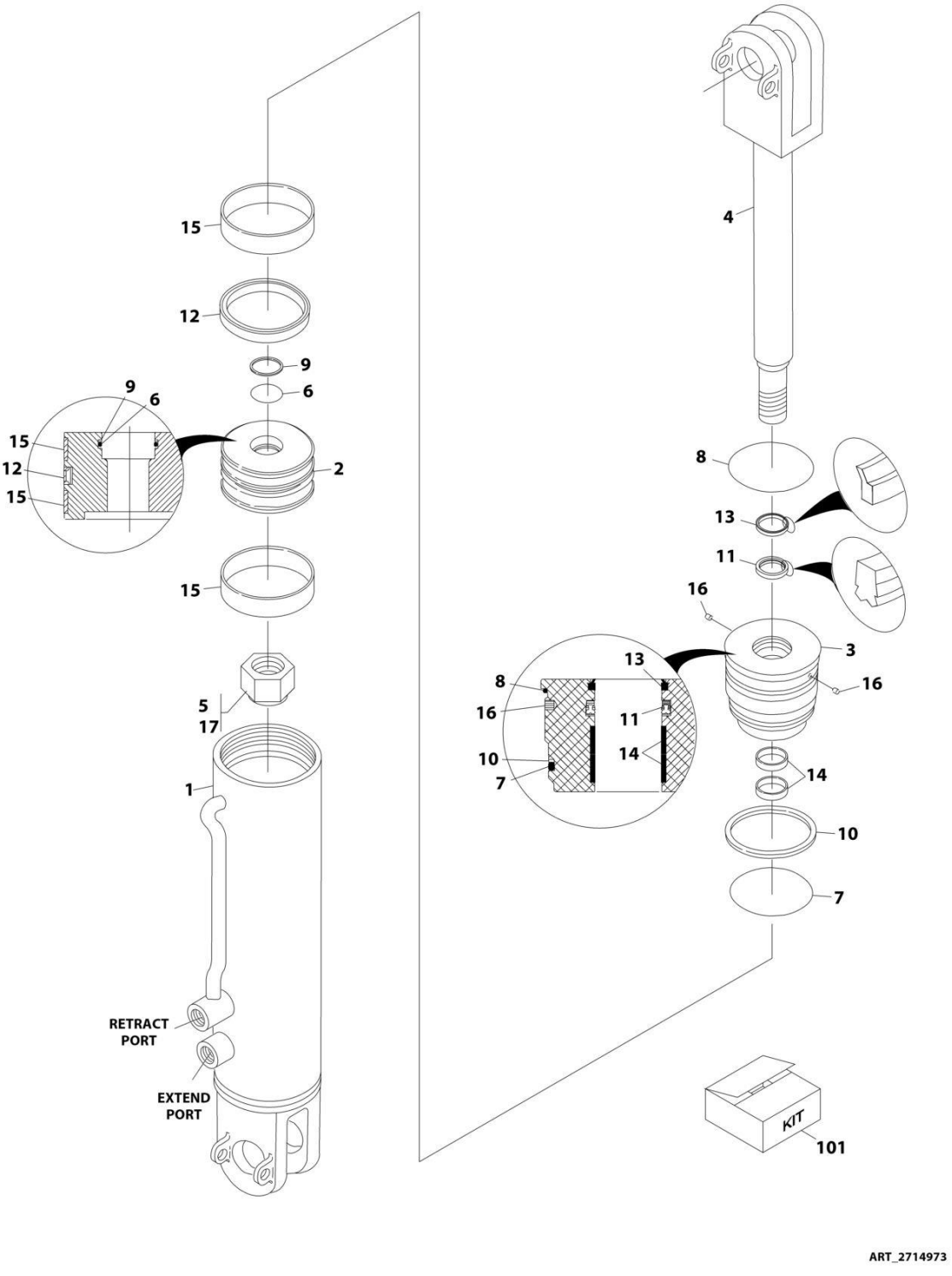


FIGURE 9-4. CYLINDER ASSEMBLY - COMPENSATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2714973	Ref	Compensation Cylinder - 10054	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
		Ref	Note: Refer to PN Stamped on Barrel before ordering parts.	
1	8036001	1	Tube, Cylinder	
2	8035613	1	Piston	
3	8035612	1	Gland, Head	
4	8035611	1	Rod	
5	8035547	1	Nut, Lock	
6	Kit	1	O-Ring	
7	Kit	1	O-Ring	
8	Kit	1	O-Ring	
9	Kit	1	Ring, Backup	
10	Kit	1	Ring, Backup	
11	Kit	1	Z-Seal, Deep	
12	Kit	1	T-Seal, Capped	
13	Kit	1	Wiper, Seal	
14	Kit	2	Wearband	
15	Kit	2	Wearband	
16	Kit	2	Insert, Locking	
17	8526011	AR	Compound, Locking	
101	8034695	1	Kit, Seal (includes items 6 thru 16)	

FIGURE 9-5. CYLINDER ASSEMBLY - EXTEND/RETRACT

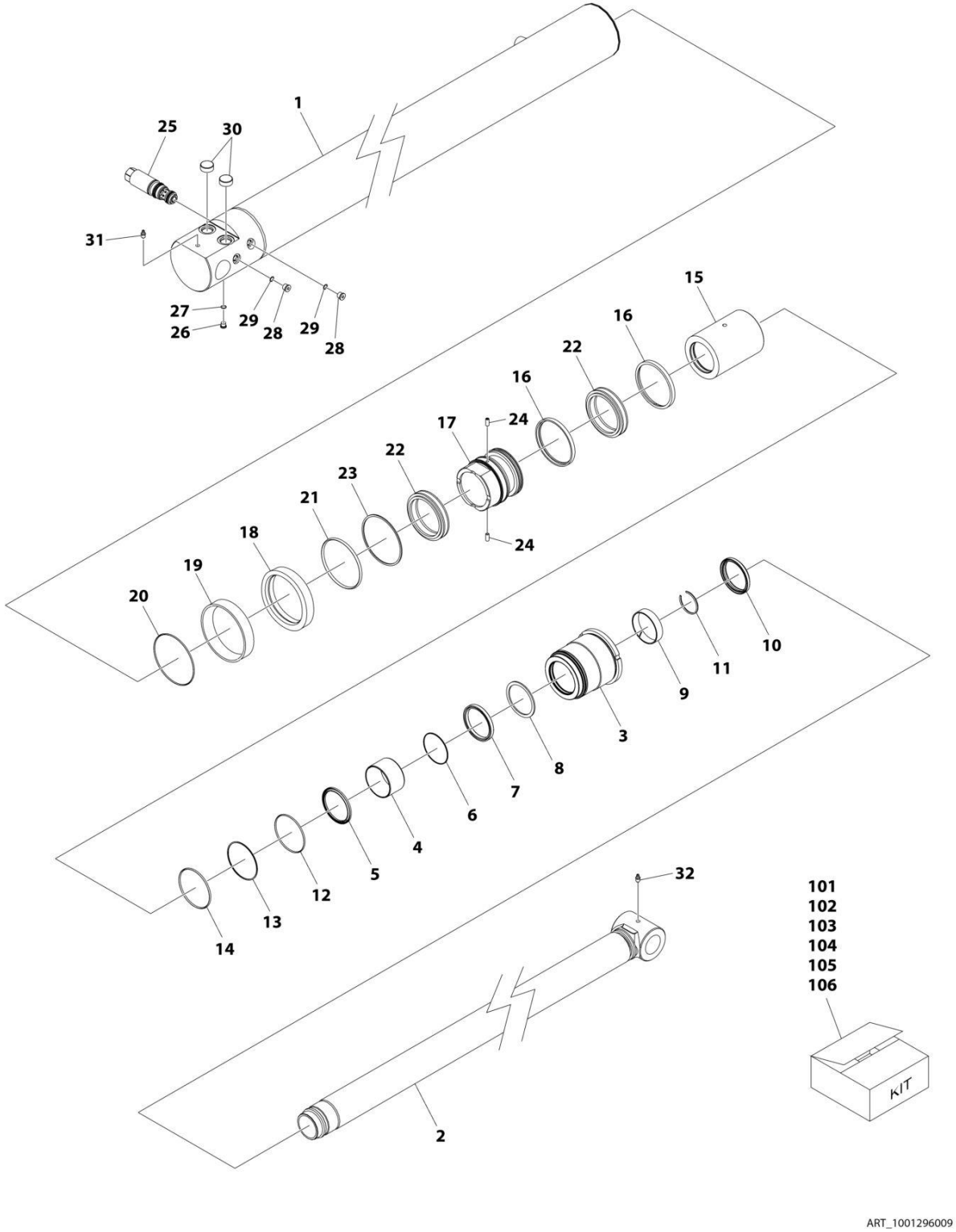


FIGURE 9-5. CYLINDER ASSEMBLY - EXTEND/RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296009	Ref	EXTEND/RETRACT CYLINDER	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Tube (Note: No Service Parts Available)	
2	See Note	NSS	Rod (Note: Use Item 101)	
3	See Note	NSS	Rod Cover (Note Use Item 102)	
4	See Note	NSS	Rod Bush (Note: Use Item 102)	
5	See Note	NSS	Ring, Retaining (Note: Use Item 102)	
6	See Note	NSS	Buffer Seal (Note: Use Item 103)	
7	See Note	NSS	U-Packing (Note: Use Item 103)	
8	See Note	NSS	Ring, Back-Up (Note: Use Item 103)	
9	See Note	NSS	Ring, Wear (Note: Use Item 103)	
10	See Note	NSS	Dust Wiper (Note: Use Item 103)	
11	See Note	NSS	Ring, Retaining (Note: Use Item 103)	
12	See Note	NSS	O-Ring (Note: Use Item 103)	
13	See Note	NSS	Ring, Back-Up (Note: Use Item 103)	
14	See Note	NSS	O-Ring (Note: Use Item 103)	
15	See Note	NSS	Spacer (Note: Use Item 104)	
16	See Note	NSS	O-Ring (Note: Use Item 104)	
17	See Note	NSS	Piston (Note: Use Item 105)	
18	See Note	NSS	Compact Seal (Note: Use Item 103)	
19	See Note	NSS	Ring, Wear (Note: Use Item 103)	
20	See Note	NSS	Dust Ring (Note: Use Item 103)	
21	See Note	NSS	O-Ring (Note: Use Item 103)	
22	See Note	NSS	Ring, Back-Up (Note: Use Item 103)	
23	See Note	NSS	O-Ring (Note: Use Item 103)	
24	See Note	NSS	Set Screw (Note: Use Item 105)	
25	1001170316	1	Cartridge, Counterbalance Valve	
26	See Note	NSS	Plug (Note: Use Item 106)	
27	See Note	NSS	O-Ring (Note: Use Item 106)	
28	See Note	NSS	Plug (Note: Use Item 106)	
29	See Note	NSS	O-Ring (Note: Use Item 106)	
30	See Note	NSS	Dust Cap (Note: No Service Parts Available)	
31	See Note	NSS	Grease Nipple (Note: No Service Parts Available)	
32	See Note	NSS	Grease Nipple (Note: Use Item 101)	
101	70031344	1	Rod Kit (Includes Items # 2 & 32)	
102	70031345	1	Rod Cover Kit (Includes Items # 3-5)	
103	70031346	1	Seal Kit (Includes Items # 6-14 & 18-23)	
104	70031347	1	Spacer Kit (Includes Items # 15 & 16)	
105	70031348	1	Piston Kit (Includes Items # 17 & 24)	
106	70031349	1	Plug Kit (Includes Items # 26-29)	

FIGURE 9-6. CYLINDER ASSEMBLY - FORK POSITIONING

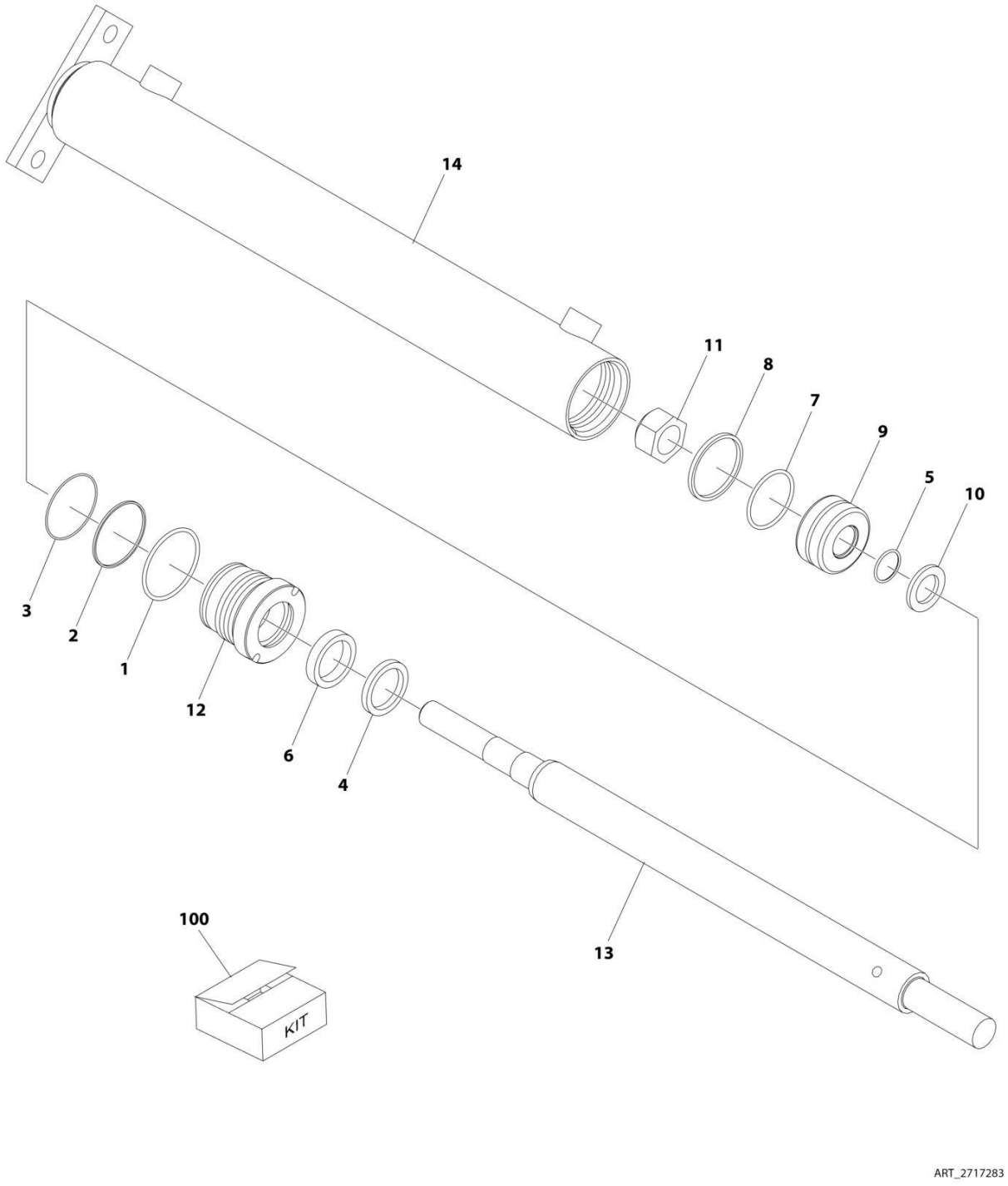


FIGURE 9-6. CYLINDER ASSEMBLY - FORK POSITIONING

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

FIGURE 9-7. CYLINDER ASSEMBLY - FORK TILT

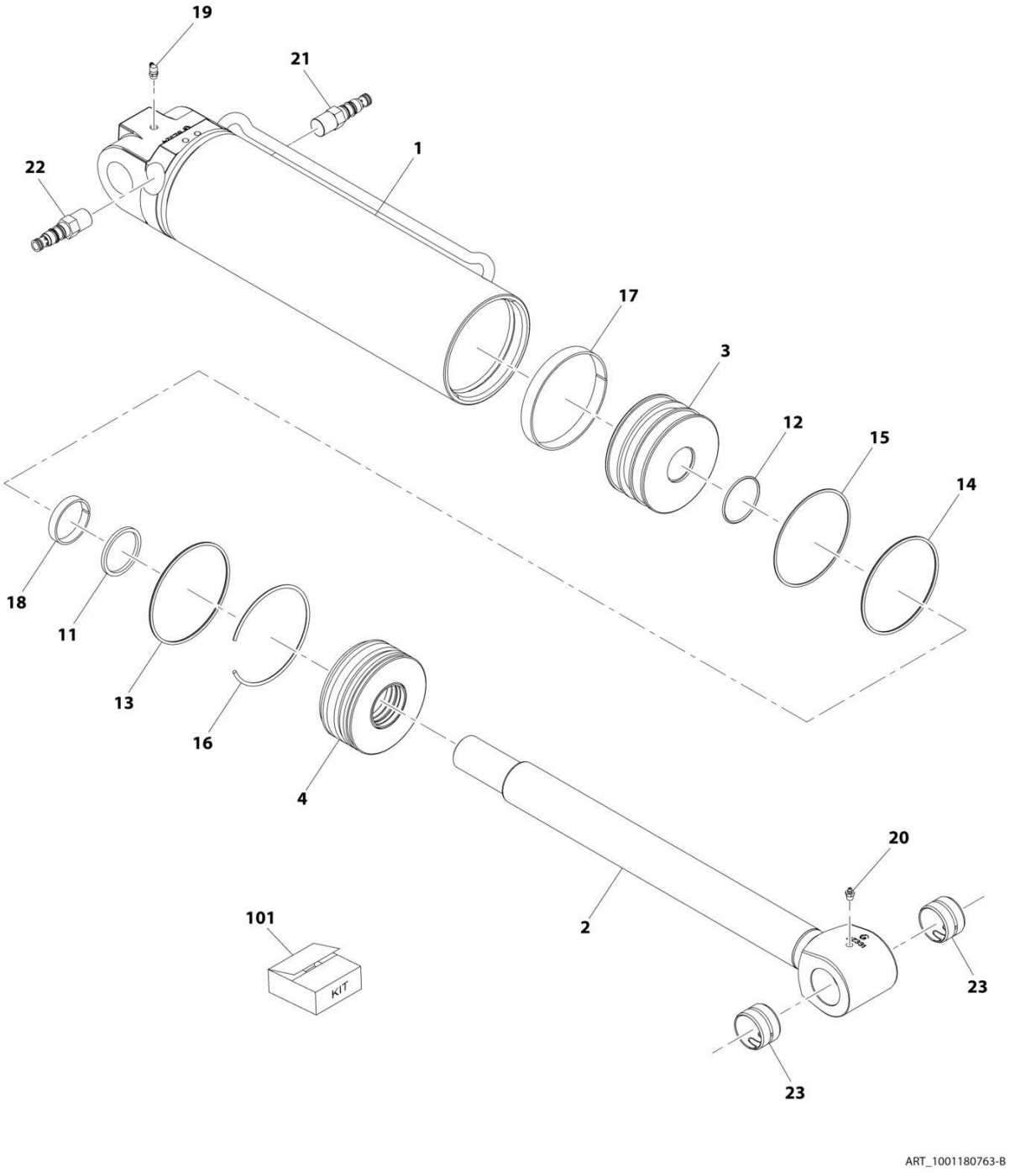


FIGURE 9-7. CYLINDER ASSEMBLY - FORK TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180763	Ref	FORK TILT CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1		Ref	Barrel (Note: Use PN 1001180763)	
2	70028402	1	Rod	
3	70028403	1	Piston	
4	70028404	1	Head	
7	3951404	1	Setscrew 1/4 x 1/2 (Not Shown - Used With Item 3 Piston)	
8	Kit	NSS	Seal, Piston (Not Shown) (Use Item 101)	
9	Kit	NSS	Ring (Not Shown) (Use Item 101)	
10	Kit	NSS	Wiper (Not Shown) (Use Item 101)	
11	Kit	NSS	Seal, Rod (Use Item 101)	
12	Kit	NSS	O-Ring (Use Item 101)	
13	Kit	NSS	O-Ring (Use Item 101)	
14	Kit	NSS	O-Ring (Use Item 101)	
15	Kit	NSS	Ring, Backup (Use Item 101)	
16	Kit	NSS	Ring, Backup (Use Item 101)	
17	Kit	NSS	Wearband for the Piston (Use Item 101)	
18	Kit	NSS	Wearband for the Gland (Use Item 101)	
19	70028407	1	Fitting, Grease (90)	
20	70020375	1	Fitting, Grease (Straight)	
21	8035321	1	Cartridge, Counterbalance Valve	
22	8036750	1	Cartridge, Check Valve	
23	70031092	2	Bushing	
101	70028408	1	Seal Kit - 1001180763 Cylinder (includes items 8 thru 18)	

FIGURE 9-8. CYLINDER ASSEMBLY - FRAME LEVEL

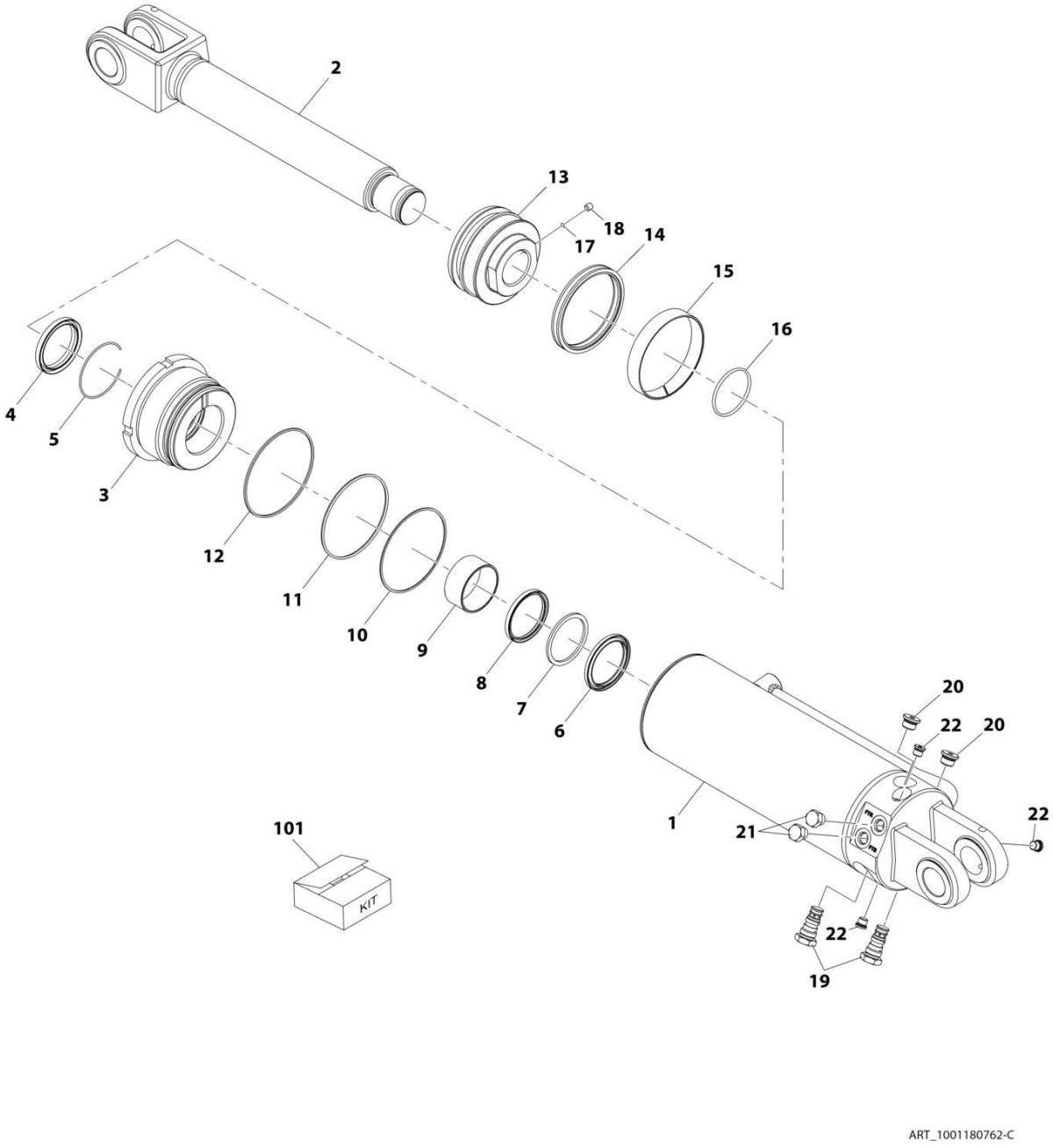


FIGURE 9-8. CYLINDER ASSEMBLY - FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180762	Ref	Frame Level Cylinder Assembly	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70027689	1	Barrel	
2	70027690	1	Rod	
3	70027691	1	Head	
4	Kit	NSS	Wiper (Note: Use Item 101)	
5	70027244	1	Ring, Retaining	
6	Kit	NSS	Seal, Rod (Note: Use Item 101)	
7	Kit	NSS	Ring, Back-Up (Note: Use Item 101)	
8	Kit	NSS	Ring, Buffer (Note: Use Item 101)	
9	70004637	1	Ring, Wear	
10	Kit	NSS	O-Ring (Note: Use Item 101)	
11	Kit	NSS	Ring, Back-Up (Note: Use Item 101)	
12	Kit	NSS	O-Ring (Note: Use Item 101)	
13	70027692	1	Piston	
14	Kit	NSS	Seal, Piston (Note: Use Item 101)	
15	Kit	NSS	Ring, Wear (Note: Use Item 101)	
16	Kit	NSS	O-Ring	
17	70022564	1	Ball	
18	70022563	1	Setscrew	
19	70027693	2	Valve, Check	
20	70027694	2	Plug	
21	70027695	2	Plug	
22	2220883	3	Plug	
101	70027696	1	Seal Kit (Includes Items 4,6-8, 10-12 & 14-16)	

FIGURE 9-9. CYLINDER ASSEMBLY - GRAPPLE BUCKET

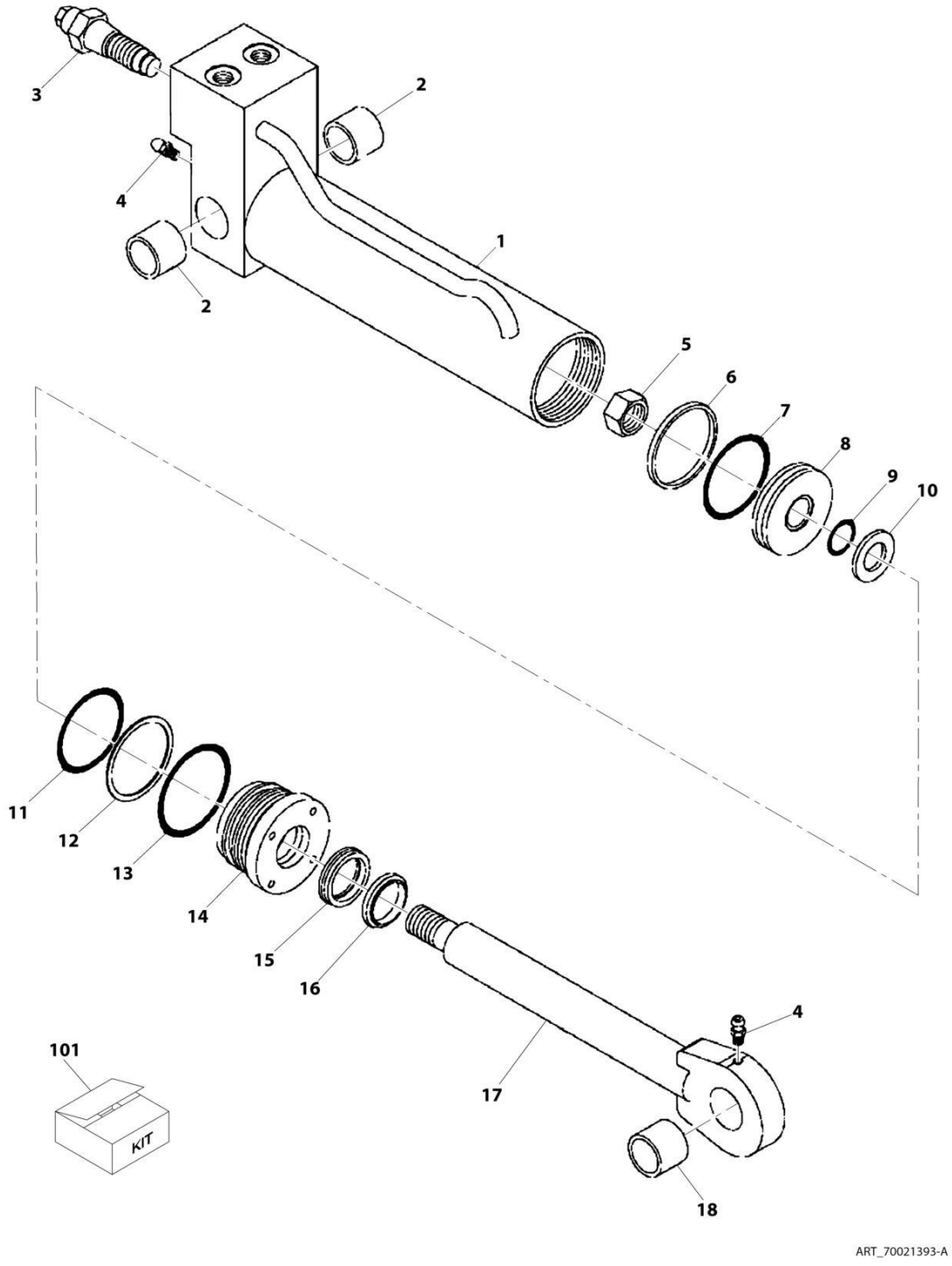


FIGURE 9-9. CYLINDER ASSEMBLY - GRAPPLE BUCKET

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

FIGURE 9-10. CYLINDER ASSEMBLY - LIFT

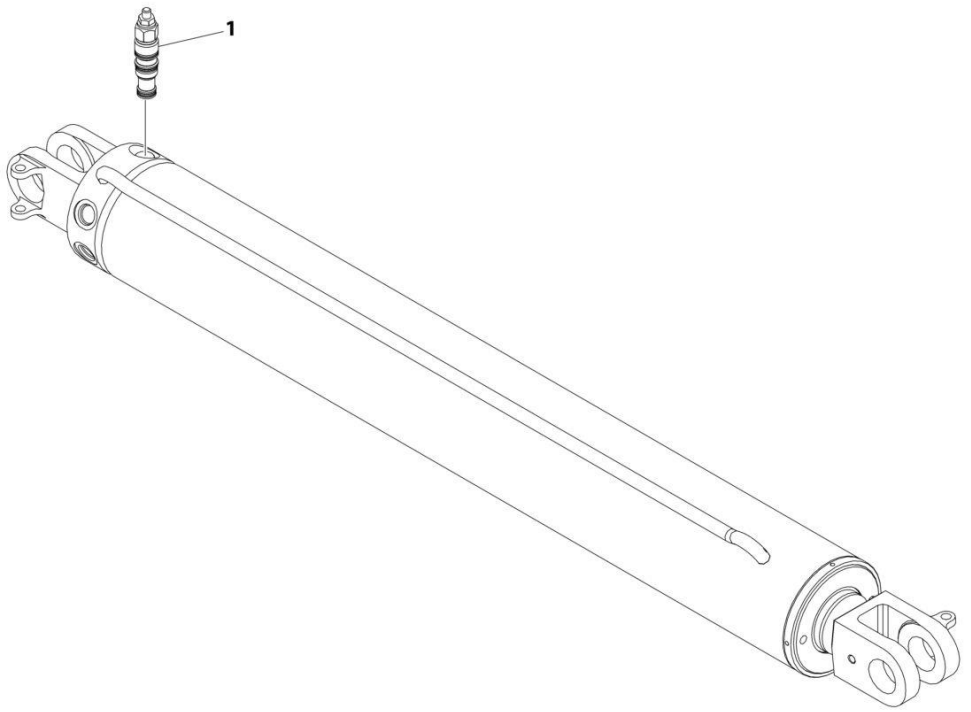


FIGURE 9-10. CYLINDER ASSEMBLY - LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296322	Ref	LIFT CYLINDER	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
	See Note	Ref	Note: No Other Service Parts Available at time of Printing	
1	1001254411	1	Valve, Check	

FIGURE 9-11. CYLINDER ASSEMBLY - OUTRIGGER

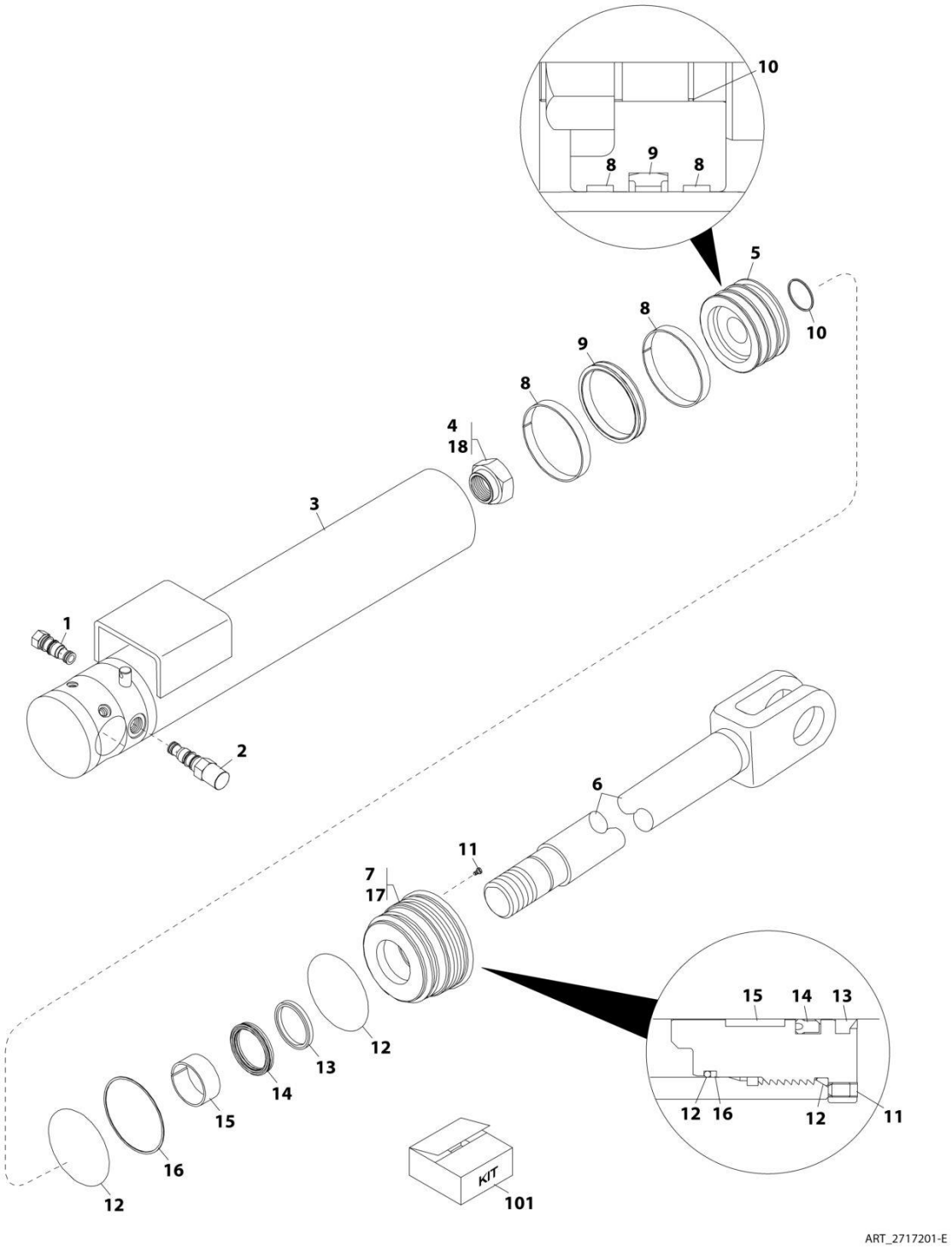


FIGURE 9-11. CYLINDER ASSEMBLY - OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717201	Ref	Outrigger Cylinder	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	8036750	1	Valve, PO Check	
	2900770	1	Kit, Seal	
2	8036732	1	Valve, Counterbalance, 1000 PSI	
	8035327	1	Kit, Seal	
3	70020658	1	Assembly, Barrel	
4	8036825	1	Nut, Lock 1-1/2-12	
5	8036837	1	Piston	
6	8036838	1	Weldment, Rod	
7	8036839	1	Gland, Head	
8	Kit	2	Wearband, Precision	
9	Kit	1	T-Seal, Capped	
10	Kit	1	O-Ring	
11	8036811	1	Screw, 1/4-20X3/8	
12	Kit	2	O-Ring	
13	Kit	1	Ring, Wiper	
14	Kit	1	Z-Seal	
15	Kit	1	Wearband, Precision	
16	Kit	1	Ring, Backup	
17	8526007	AR	Compound, Locking	
18	8526011	AR	Compound, Locking	
101	8036784	2	Kit, Seal (includes items 8 thru 10 & 12 thru 16)	

FIGURE 9-12. CYLINDER ASSEMBLY - PIPE HANDLER

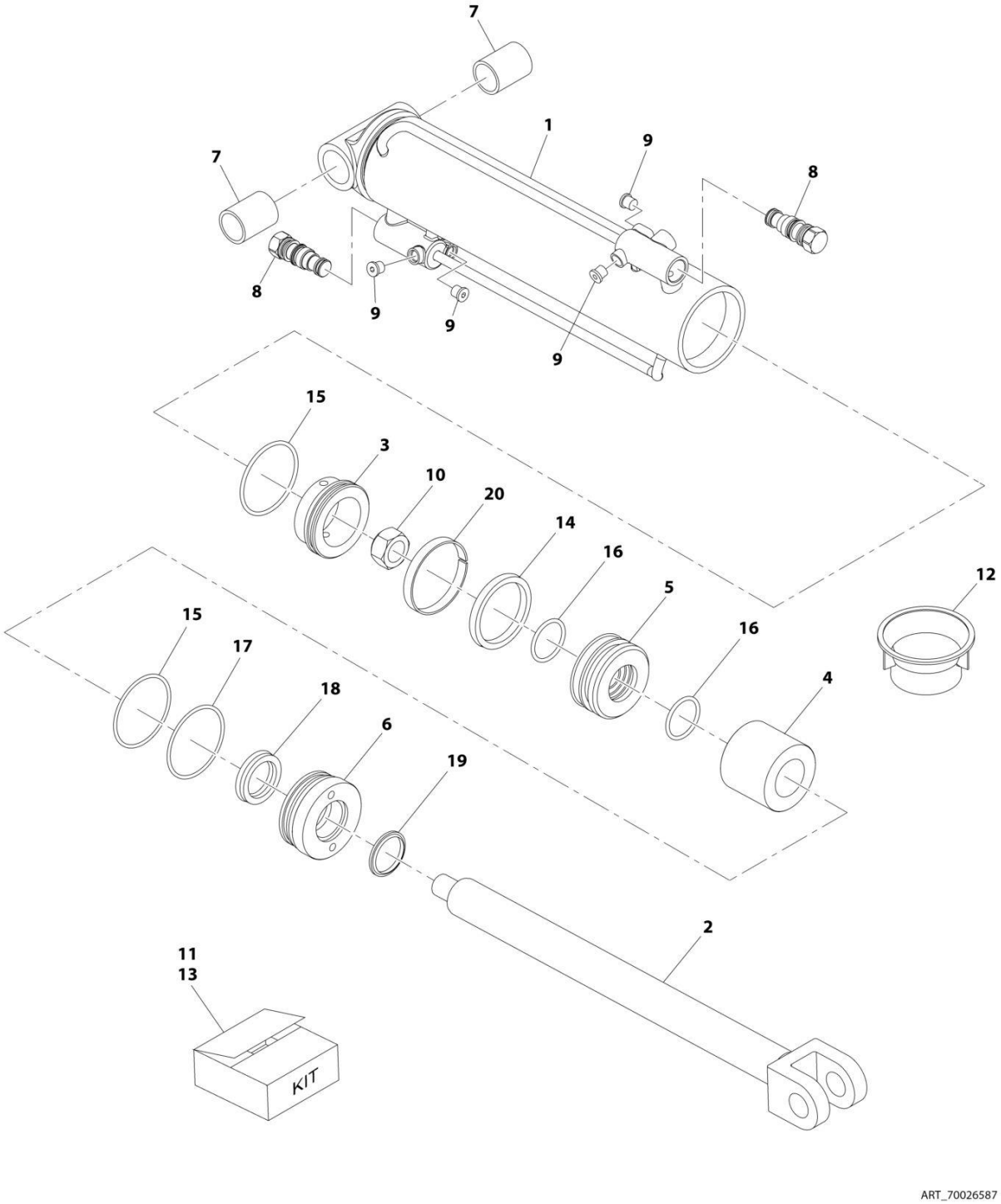


FIGURE 9-12. CYLINDER ASSEMBLY - PIPE HANDLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70026587	Ref	Pipe Handler Cylinder	
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70026495	1	Barrel	
2	70026610	1	Rod	
3	70026497	1	Spacer	
4	70026611	1	Spacer	
5	70026499	1	Piston	
6	70026500	1	Retainer	
7	70026501	2	Bushing	
8	70026502	2	Valve, Check	
9	70024129	4	Fitting, 4	
10	70026503	1	Nut	
11	70024734	1	Kit, Check Valve Service	
12	70026505	1	Seal Loader	
13	70026506	1	Seal Kit (includes items 14 thru 20)	
14	Kit	AR	Seal (Note: Use Item 13)	
15	Kit	AR	O-Ring (Note: Use Item 13)	
16	Kit	AR	O-Ring (Note: Use Item 13)	
17	Kit	AR	Ring, Back-up (Note: Use Item 13)	
18	Kit	AR	Seal (Note: Use Item 13)	
19	Kit	AR	Wiper (Note: Use Item 13)	
20	Kit	AR	Ring, Wear (Note: Use Item 13)	

FIGURE 9-13. CYLINDER ASSEMBLY - STABIL-TRAK

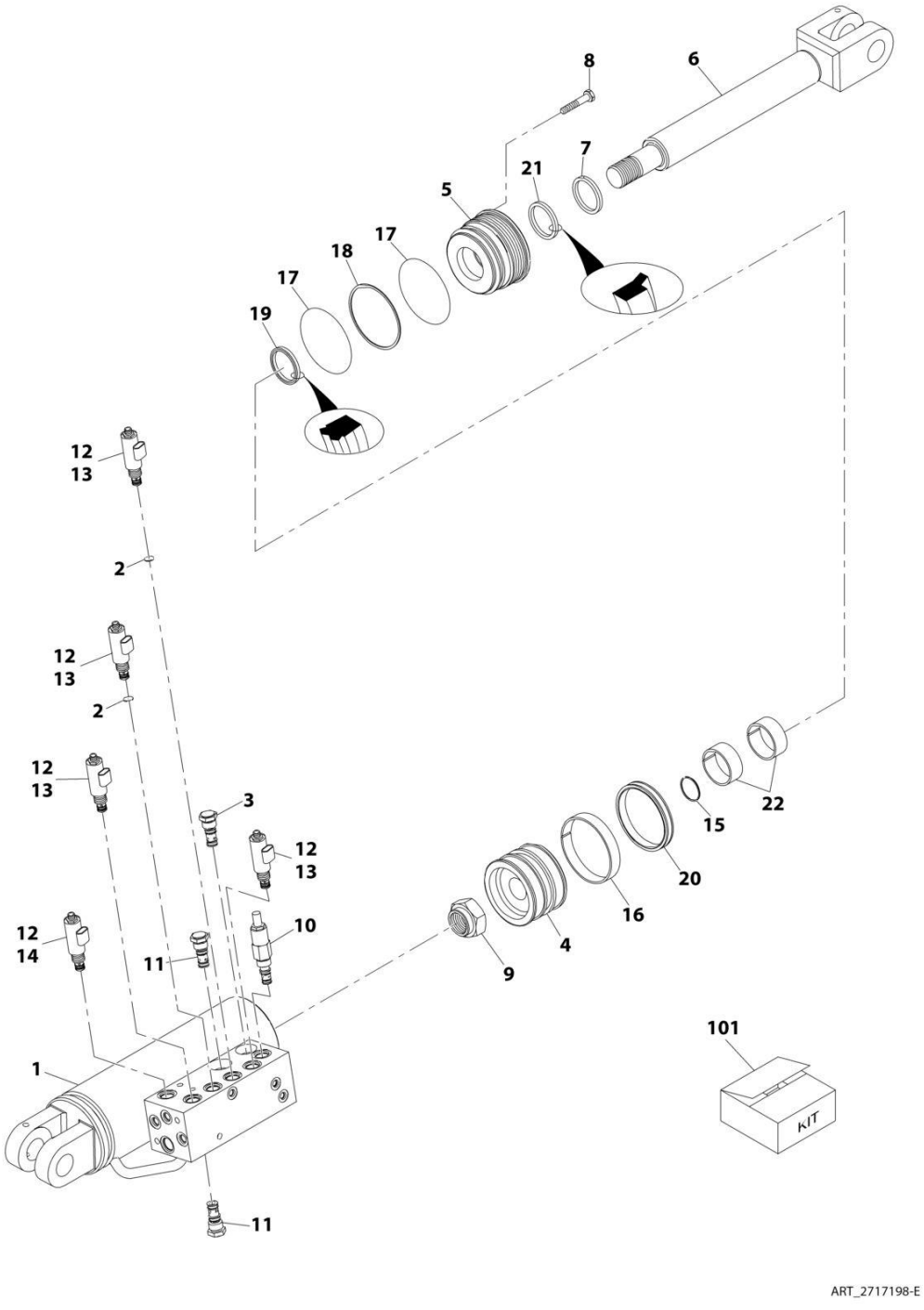
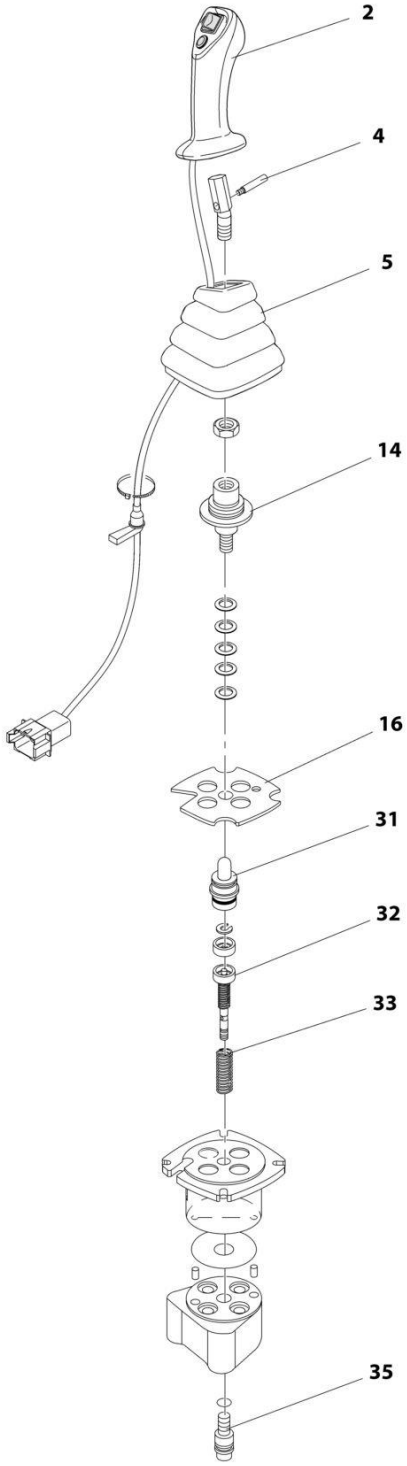


FIGURE 9-13. CYLINDER ASSEMBLY - STABIL-TRAK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717198	Ref	Stabil-Trak 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.	NSS	Barrel (Note Use PN 2717198)	
2	8035781	2	Orifice	
3	8036582	1	Valve, Check	
3	7017496	1	Kit, Seal	
4	8036826	1	Piston	
5	8036828	1	Guide	
6	8036827	1	Rod	
7	7029153	1	O-Ring	
8	8036811	1	Setscrew, Set 1/4X3/8	
9	8036825	1	Nut 1-1/2	
10	8035282	1	Valve, Pressure Reducing	
10	8032994	1	Kit, Seal	
11	8035281	2	Valve, Check	
11	8036192	2	Kit, Seal	
12	7029246	5	Coil, Solenoid	
13	8036581	4	Valve, Solenoid	
13	7017496	4	Seal Kit - 8036581 Valve	
14	8036580	1	Valve, Solenoid	
14	7012903	1	Seal Kit - 8036580 Valve	
15	Kit	NSS	O-Ring (Note: Use Item 101)	
16	Kit	NSS	Ring, Wear (Note: Use Item 101)	
17	Kit	NSS	O-Ring (Note: Use Item 101)	
18	Kit	NSS	Ring, Back-Up (Note: Use Item 101)	
19	Kit	NSS	Z-Seal (Note: Use Item 101)	
20	Kit	NSS	T-Seal (Note: Use Item 101)	
21	Kit	NSS	Ring, Wiper (Note: Use Item 101)	
22	Kit	NSS	Ring, Wear	
101	8036747	1	Kit, Seal (includes items 15 thru 22)	

FIGURE 9-14. STICKJOY ASSEMBLY

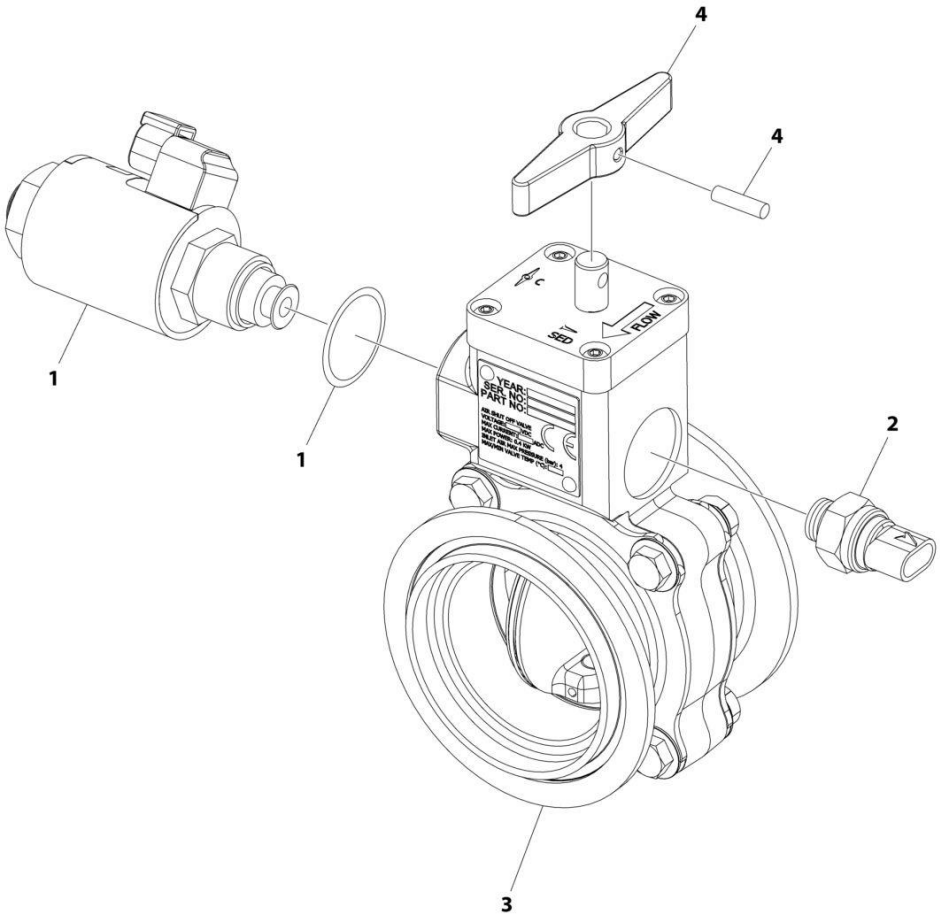


ART_1001158002-B

FIGURE 9-14. STICKJOY ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158002	Ref	Pilot Joystick Control	B
2	70026097	1	Handle	
4	91404011	1	Kit, Bent Lever	
5	80364095	1	Boot, Rubber	
14	80264138	1	Kit, Cardan	
16	91404013	1	Plate, Retaining	
31	91304025	2	Kit, Plunger (set of two)	
32	70026098	4	Unit, Regulating	
33	91514225	1	Spring, Return (set of four)	
35	91404326	1	Kit, Seal	

FIGURE 9-15. VALVE ASSEMBLY - AIR SHUT OFF



ART_1001204032_C

FIGURE 9-15. VALVE ASSEMBLY - AIR SHUT OFF

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

FIGURE 9-16. VALVE SUB-ASSEMBLY - BRAKE

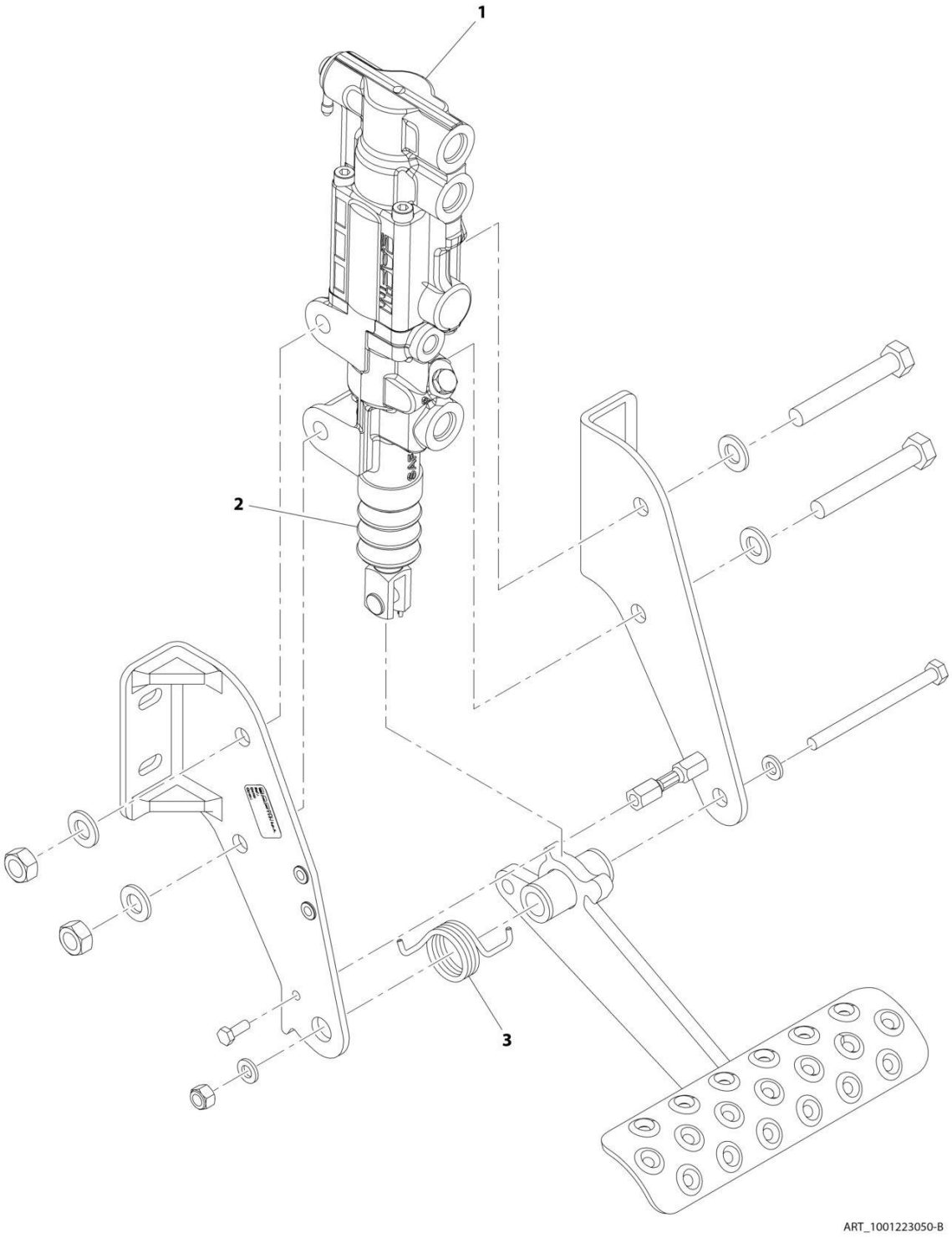


FIGURE 9-16. VALVE SUB-ASSEMBLY - BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223050	Ref	Hydraulic Brake Valve Installation	B
1	1001201721	1	Brake Valve (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
2	70025859	1	Dust Cover	
3	70028547	1	Spring, Return	

FIGURE 9-17. VALVE ASSEMBLY - BRAKE

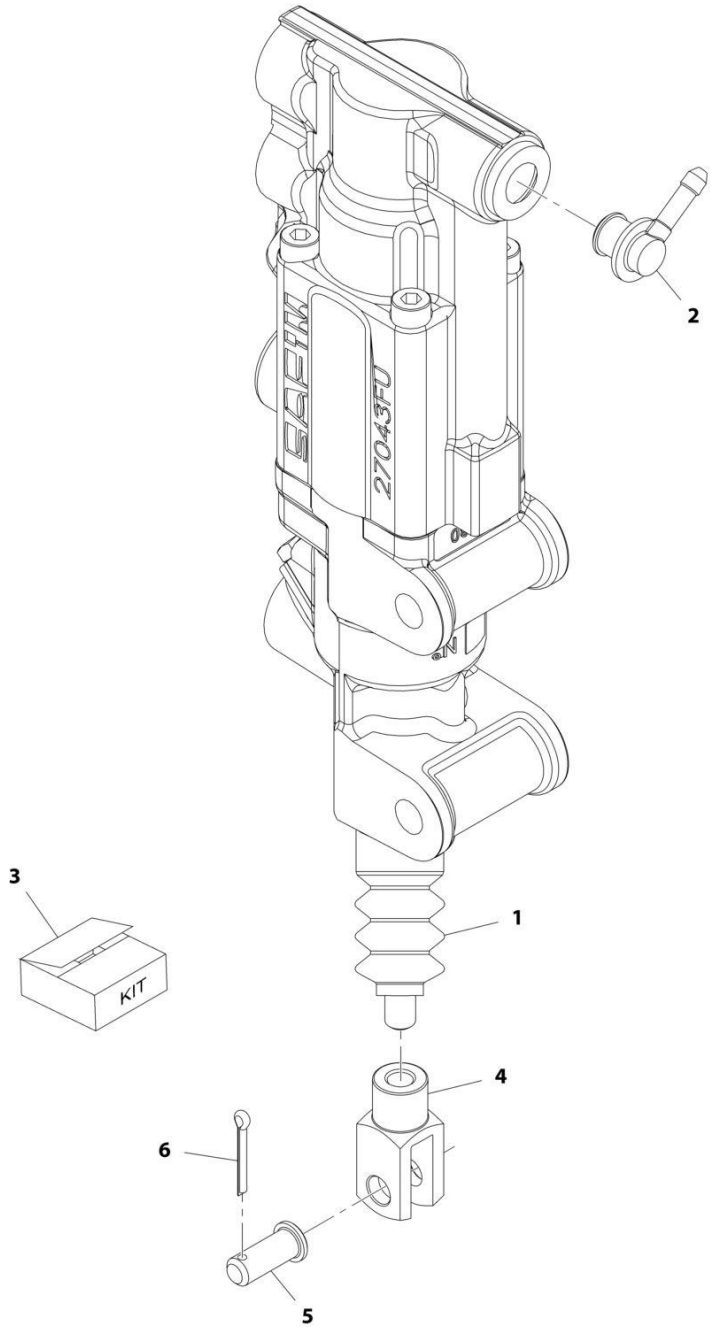


FIGURE 9-17. VALVE ASSEMBLY - BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201721	Ref	Brake Valve	D
1	70025859	1	Dust Cover	
2	70027275	1	Reservoir Joint	
3	70027276	1	Seal Kit	
4	70022650	1	Yoke	
5	70020743	1	Pin, Yoke	
6	70020745	1	Pin, Cotter	

FIGURE 9-18. VALVE ASSEMBLY - CARRIAGE FORK POSITIONING

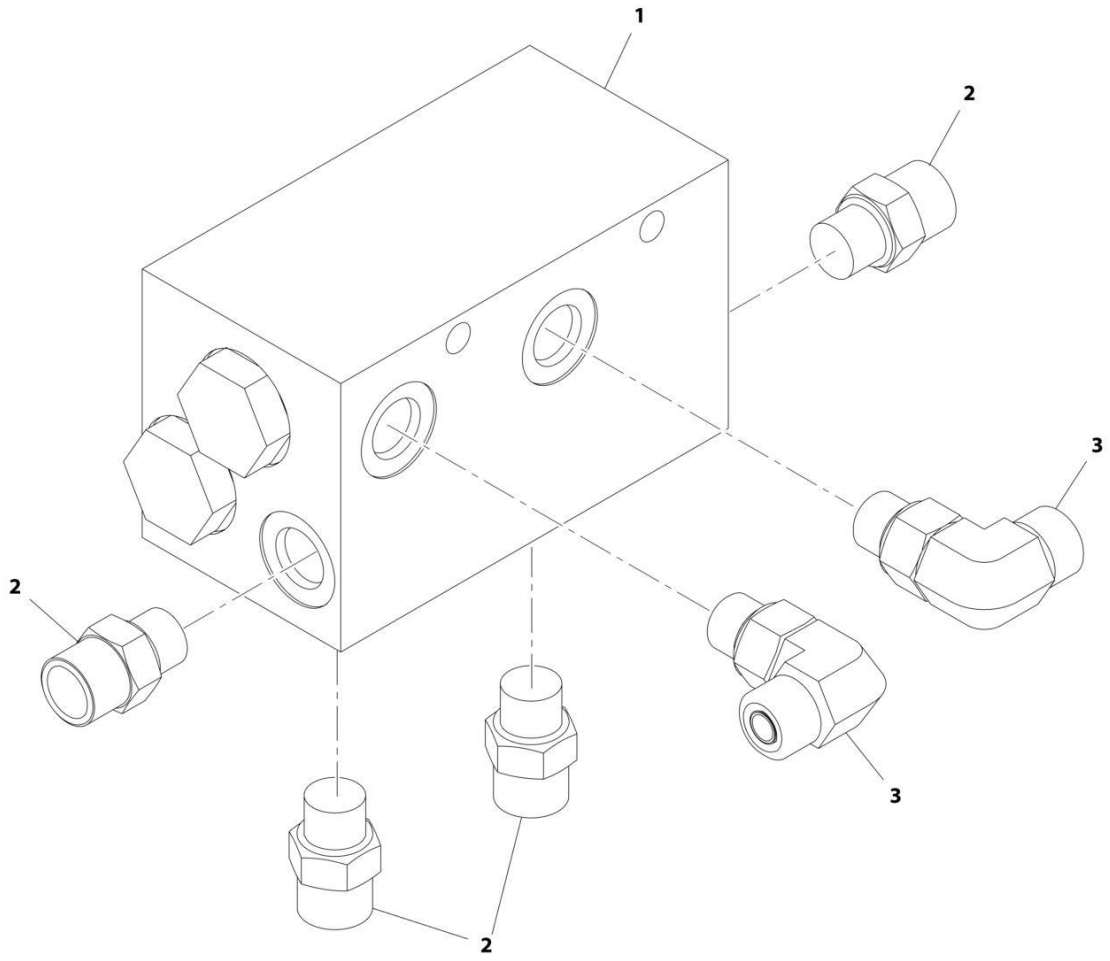


FIGURE 9-18. VALVE ASSEMBLY - CARRIAGE FORK POSITIONING

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

FIGURE 9-19. VALVE ASSEMBLY - CARRIAGE PIPE GRAPPLE

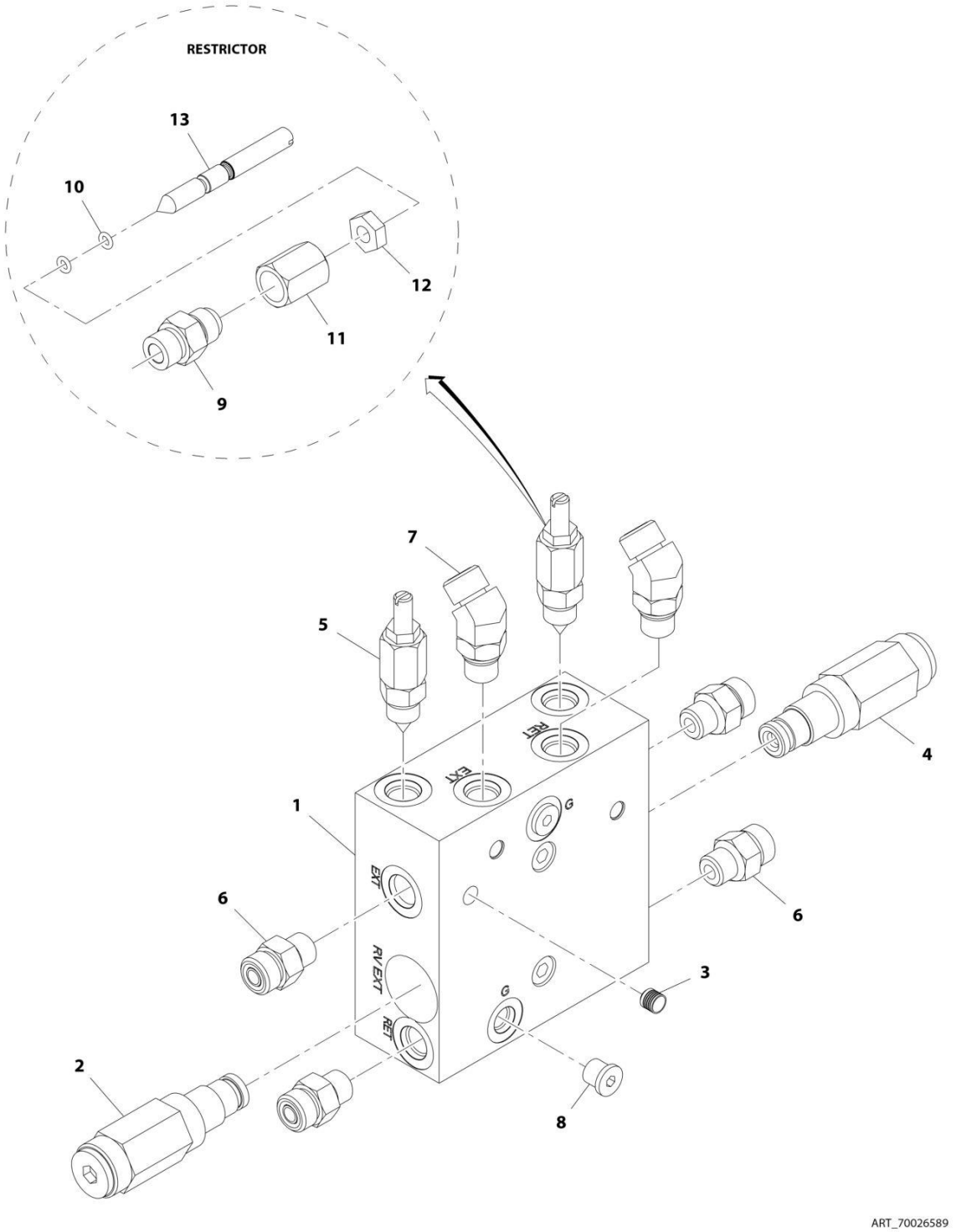


FIGURE 9-19. VALVE ASSEMBLY - CARRIAGE PIPE GRAPPLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70026589	Ref	Valve Assembly	
1	70026612	NLA	Manifold (Purchase Complete Assembly)	
2	70026613	1	Cartridge	
3	70026614	4	Plug	
4	70026478	1	Cartridge	
5	70026615	2	Restrictor	
6	70024130	4	Fitting	
7	70026616	2	Fitting	
8	70024129	2	Plug	
9	70026617	1	Fitting	
10	70026618	2	O-Ring	
11	70026619	1	Cap	
12	70026620	1	Jam Nut	
13	70026621	1	Plunger	

FIGURE 9-20. VALVE ASSEMBLY - FLOW DIVIDER

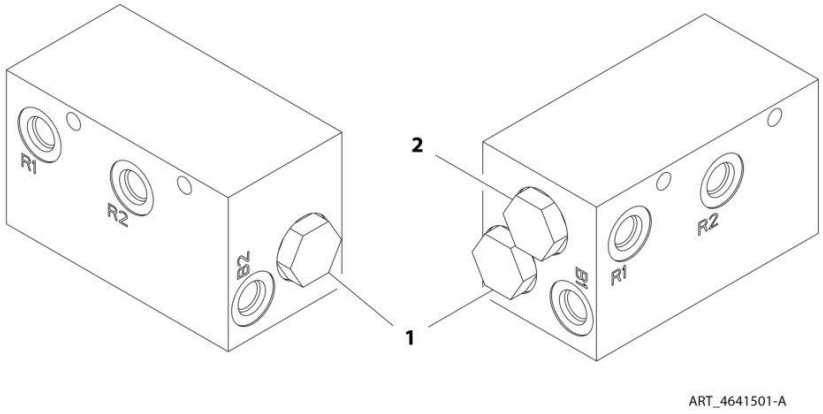


FIGURE 9-20. VALVE ASSEMBLY - FLOW DIVIDER

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

FIGURE 9-21. VALVE ASSEMBLY - MAIN CONTROL

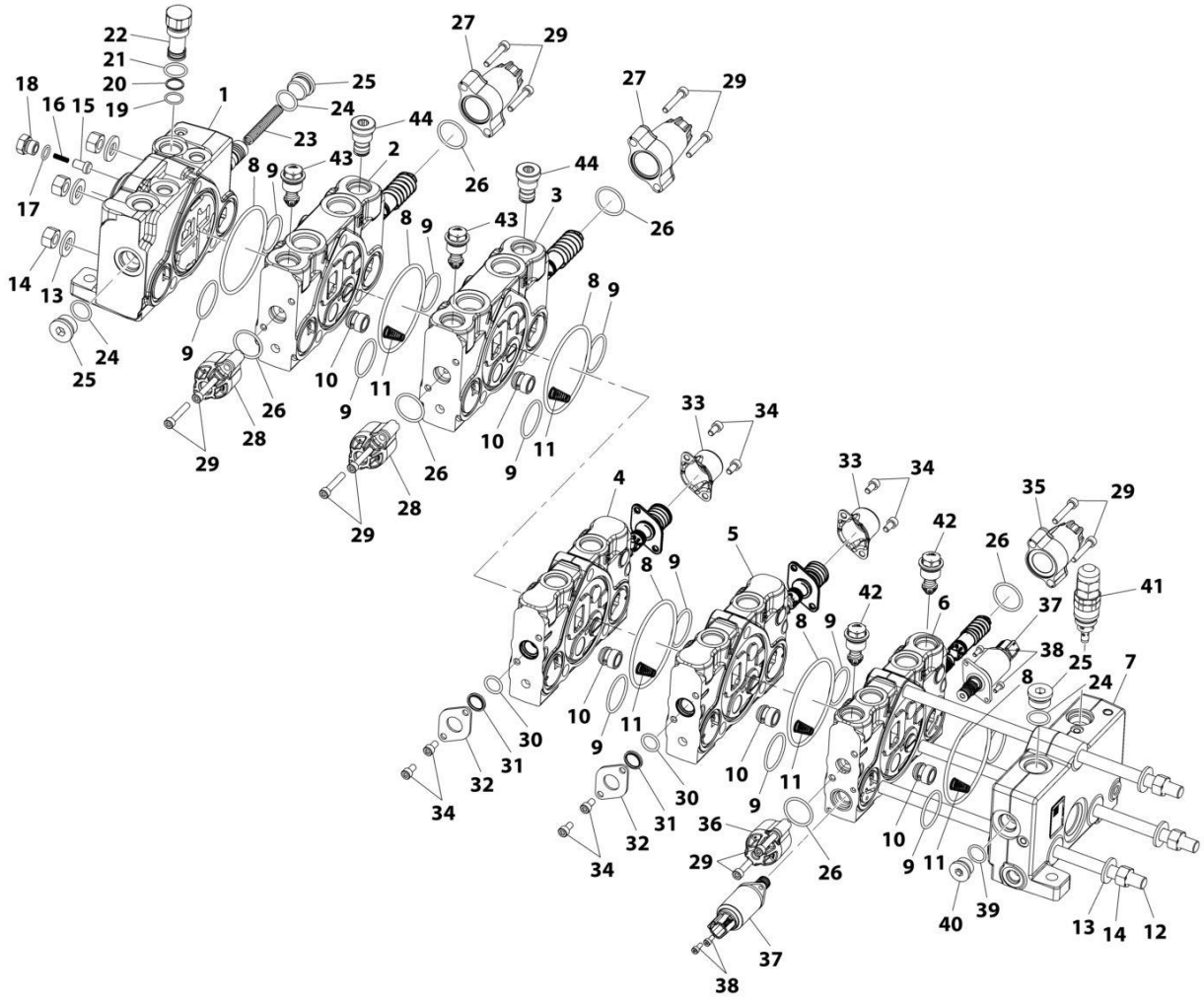


FIGURE 9-21. VALVE ASSEMBLY - MAIN CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242925	Ref	MAIN CONTROL VALVE	F
1	70030023	1	Inlet Section Assembly	
2	70030001	1	Lift Section Assembly	
3	70030002	1	Extend/Retract Section Assembly	
4	70030003	1	Aux Section Assembly	
5	70030004	1	Sway Section Assembly	
6	70030005	1	Tilt Section Assembly	
7	70030006	1	Outlet Section Assembly	
8	8034697	6	O-Ring	
9	70030007	12	O-Ring	
10	8903015	5	Poppet CV	
11	70030012	5	Spring	
12	70030038	3	Tie Rod	
13	70030039	6	Washer	
14	8035347	6	Nut	
15	70030009	1	Poppet, CV	
16	70030010	1	Spring	
17	70030040	1	O-Ring	
18	70030011	1	Plug	
19	70026370	1	O-Ring	
20	70026376	1	Back-Up Ring	
21	10837928	1	O-Ring	
22	70030041	1	Drain Regulator Assembly	
23	70030008	1	Spring	
24	70026652	3	O-Ring	
25	70026653	3	Plug	
26	70030013	6	O-Ring	
27	70030015	2	Spool Cap	
28	70030014	2	Spool Cap	
29	70030016	12	Screw	
30	8037109	2	O-Ring	
31	70030018	2	Wiper	
32	70030017	2	Sealing Plate	
33	70030019	2	Cap Spool	
34	70026133	8	Screw	
35	70030021	1	Spool Cap	
36	70030020	1	Spool Cap	
37	70029874	2	Valve, Solenoid Cartridge	
38	70022014	4	Screw	
39	70024202	1	O-Ring	
40	8035382	1	Plug Assembly	
41	70030022	1	Valve Assembly, LS Relief	
42	70027134	2	Valve Assembly, Relief	
43	70025982	2	Valve Assembly, Relief	
44	70022008	2	Shut-Off Plug Assembly	

FIGURE 9-22. VALVE ASSEMBLY - OUTRIGGER

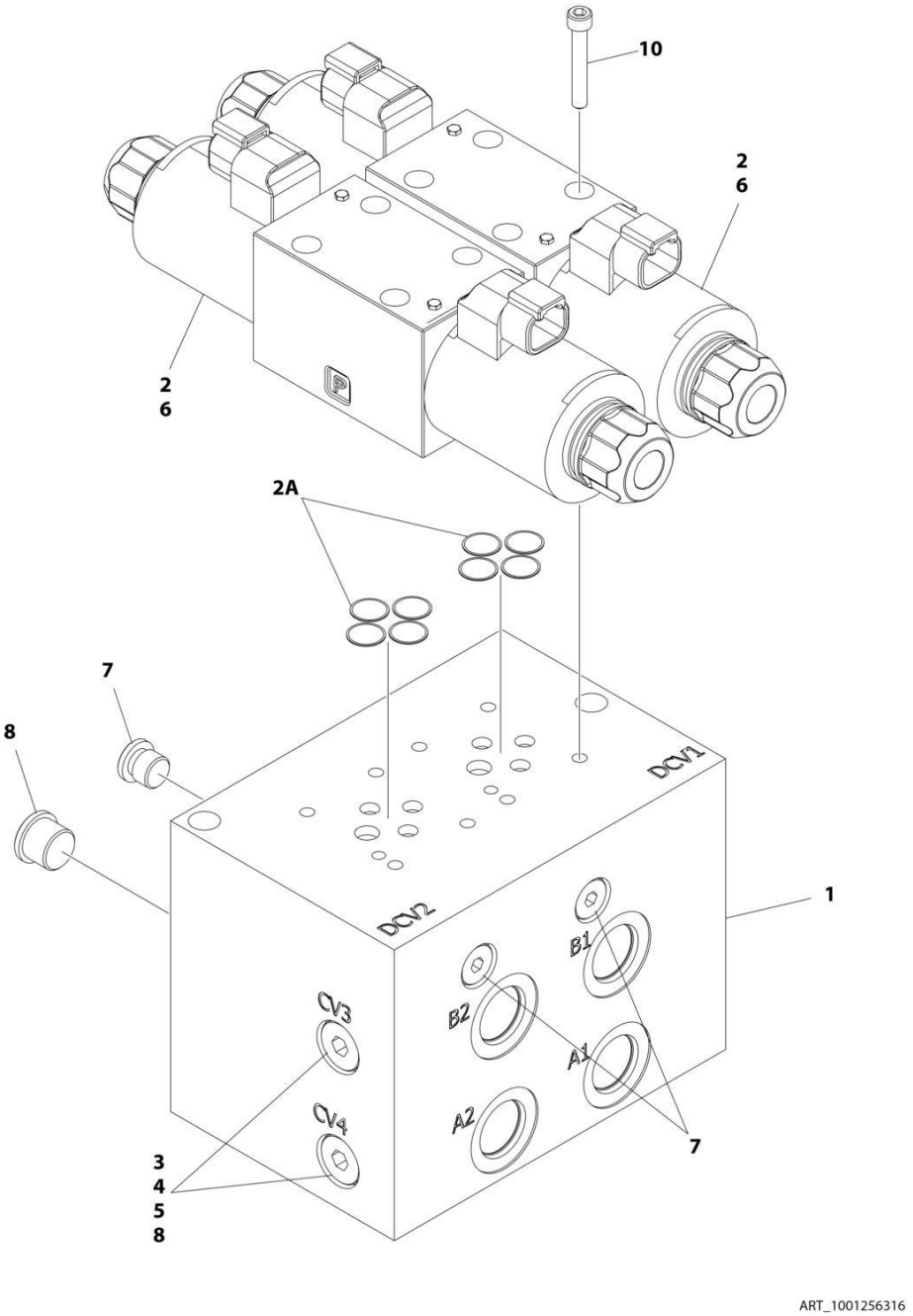
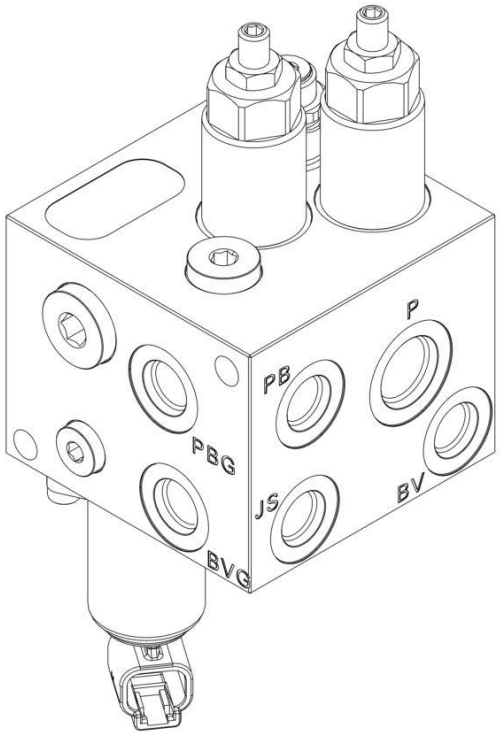


FIGURE 9-22. VALVE ASSEMBLY - OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256316	Ref	Outrigger Valve	A
1		Ref	Manifold	
2	70026564	2	Valve, Directional Control, (includes o-rings)	
2A	7010746	4	O-Ring	
3	70023506	4	Bearing, Ball	
4	70023507	4	Spring	
5	70023508	4	Retainer	
6	70023509	2	Orifice	
7	8032790	6	Plug	
8	2220885	6	Plug	
10	70029798	8	Capscrew M10X215	

FIGURE 9-23. VALVE ASSEMBLY - SECONDARY



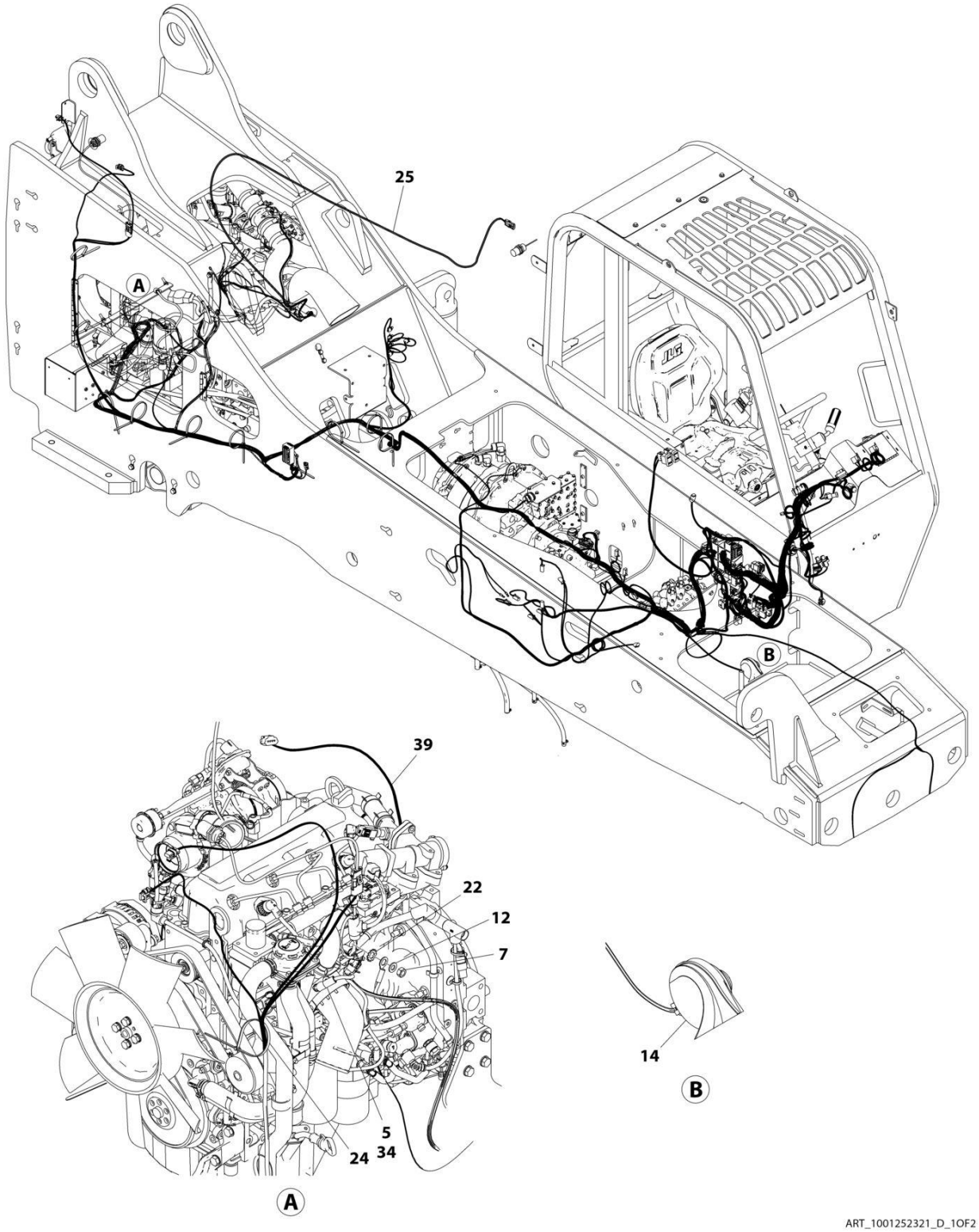
ART_1001302359

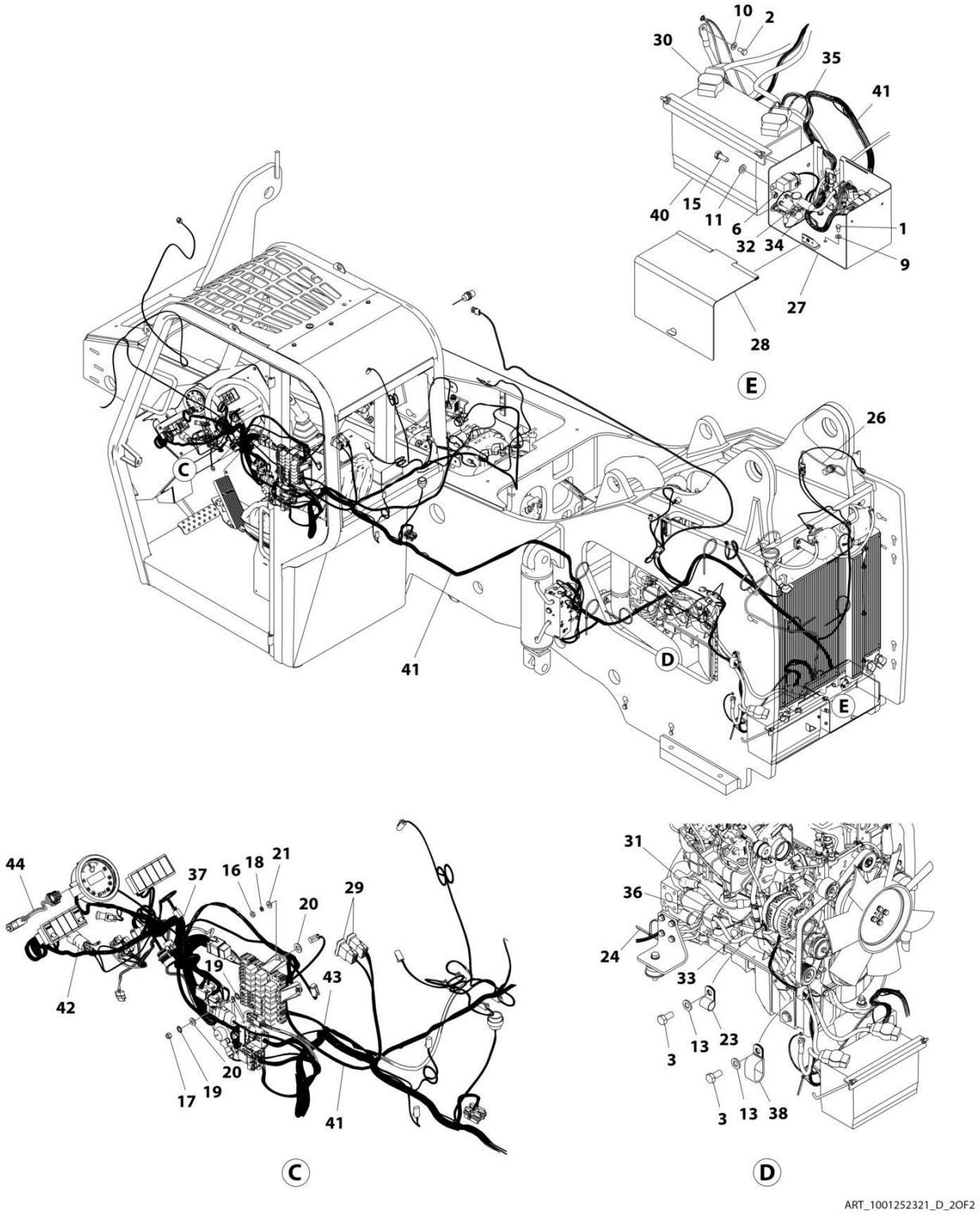
FIGURE 9-23. VALVE ASSEMBLY - SECONDARY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302359	Ref	VALVE ASSEMBLY - SECONDARY	A
1	See Note	Ref	Note: No Service Parts Available at Time of Printing	

SECTION 10 - ELECTRICAL

FIGURE 10-1. ELECTRICAL INSTALLATION (74HP) (LS)





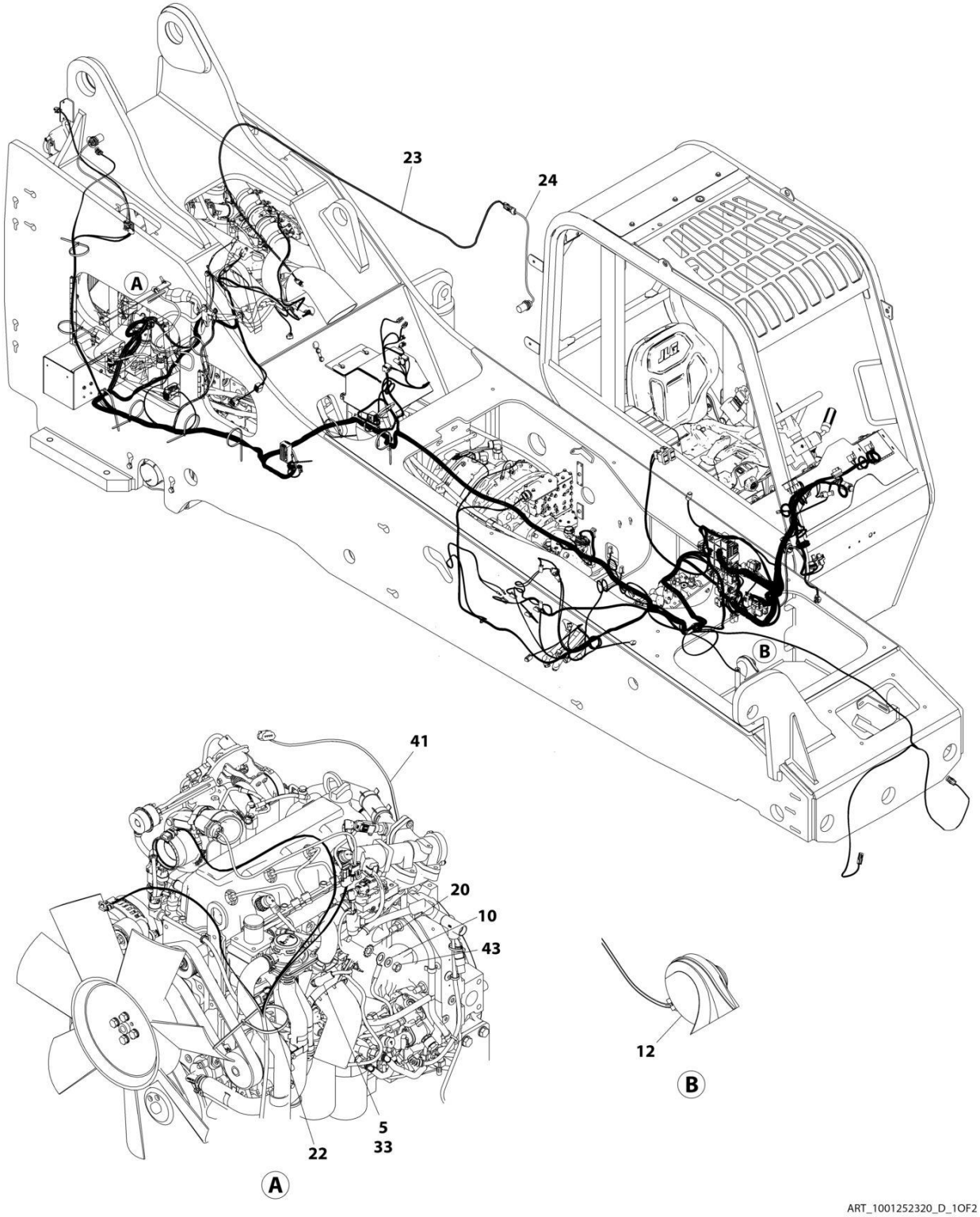
ART_1001252321_D_2OF2

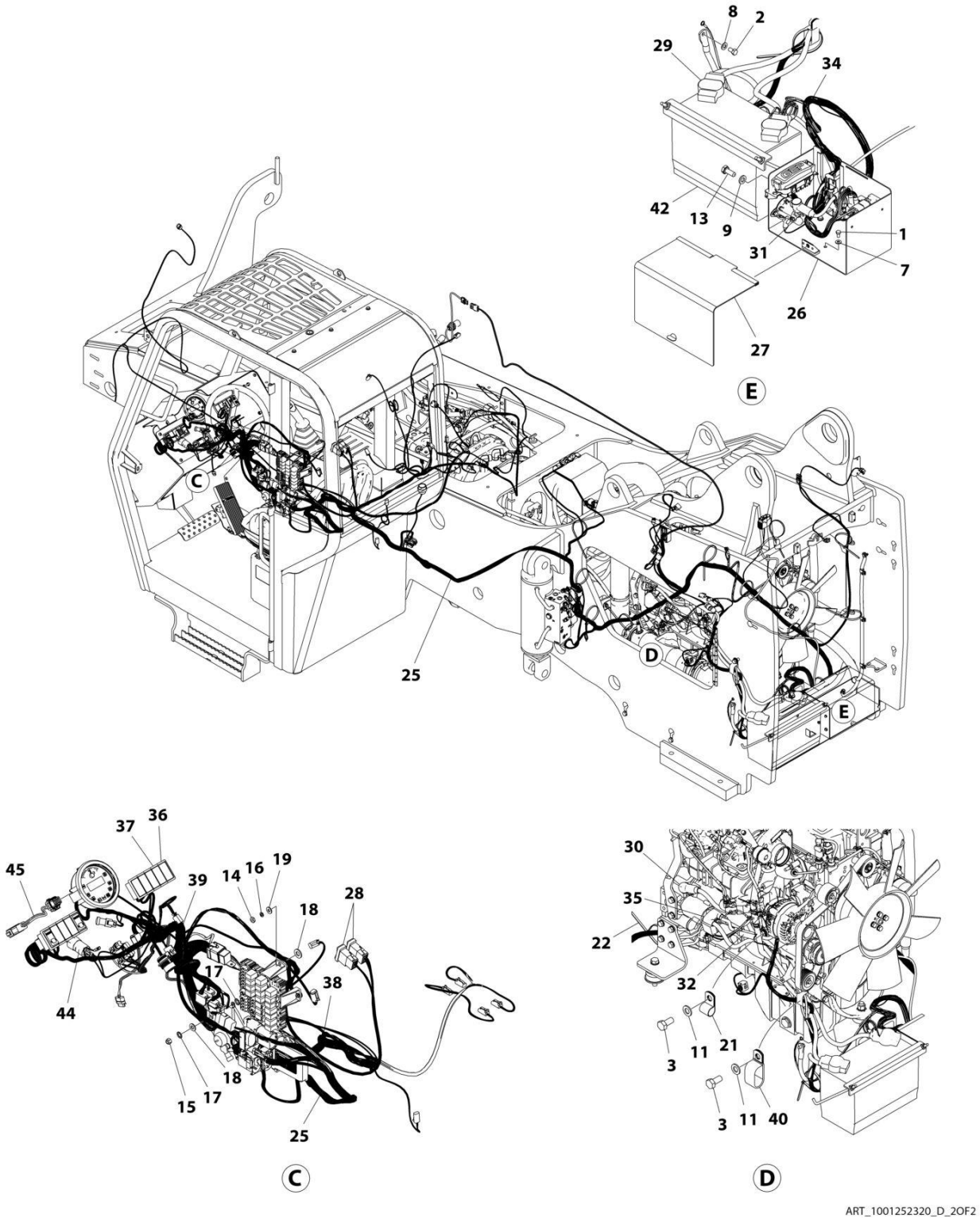
SECTION 10 - ELECTRICAL

FIGURE 10-1. ELECTRICAL INSTALLATION (74HP) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252321	Ref	ELECTRICAL INSTALLATION (74HP) (ULS)	D
1	0641404	3	Bolt 1/4X1/2	
2	0641605	1	Bolt 3/8X5/8	
3	0761212	2	Bolt M12X25	
5	3290601	1	Nut M6	
6	3290605	1	Nut M6	
7	3290801	1	Nut M8	
9	4711400	3	Washer 1/4	
10	4711600	1	Washer 3/8	
11	4811702	1	Washer M6	
12	4811900	1	Washer, M8	
13	4812100	2	Washer M12	
14	8270620	1	Horn, Signal	
15	8303545	1	Bolt M6X14	
16	8305002	4	Nut #10	
17	8305624	2	Nut 1/4	
18	8307003	4	Washer M10	
19	8307027	4	Washer 5/16	
20	8307106	6	Washer 5/16	
21	8307111	4	Washer M10	
22	8310046	1	Washer M10	
23	8406105	1	Clip, Tube	
24	8584001	13	Wrap, Tie	
25	1001127226	1	Harness, Boom Extend (See Separate Breakdown in this Section)	
26	1001130307	2	Sensor, Boom	
27	1001170233	1	Installation, Relay Panel (See Separate Breakdown in this Section)	
28	1001170234	1	Assembly, Relay Panel Cover (See Separate Breakdown in this Section)	
29	1001170269	2	Switch, Outrigger	
30	1001171234	1	Cable, Battery Negative	
31	1001171236	1	Cable, Starter Ground	
32	1001171237	1	Cable, Grid Heater to Fuse Power	
33	1001171238	1	Cable, Alternator Power	
34	1001171239	1	Cable, Grid Heater Power	
35	1001171633	1	Cable, Buss Power	
36	1001171757	1	Cable, Starter Power	
37	1001299369	1	Harness, Cab Power Distribution (See Separate Breakdown in this Section)	
38	1001181899	1	Clamp	
39	1001184835	1	Harness, TBAP (See Separate Breakdown in this Section)	
40	1001186841	1	Installation, Battery (See Separate Breakdown in this Section)	
41	1001199889	1	Engine Harness (See Separate Breakdown in this Section)	
42	1001250700	1	Switch, Pressure	
43	1001251503	1	Harness, Logic (See Separate Breakdown in this Section)	
44	1001301880	1	Gauge Cluster Jumper Harness (See Separate Breakdown in this Section)	

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

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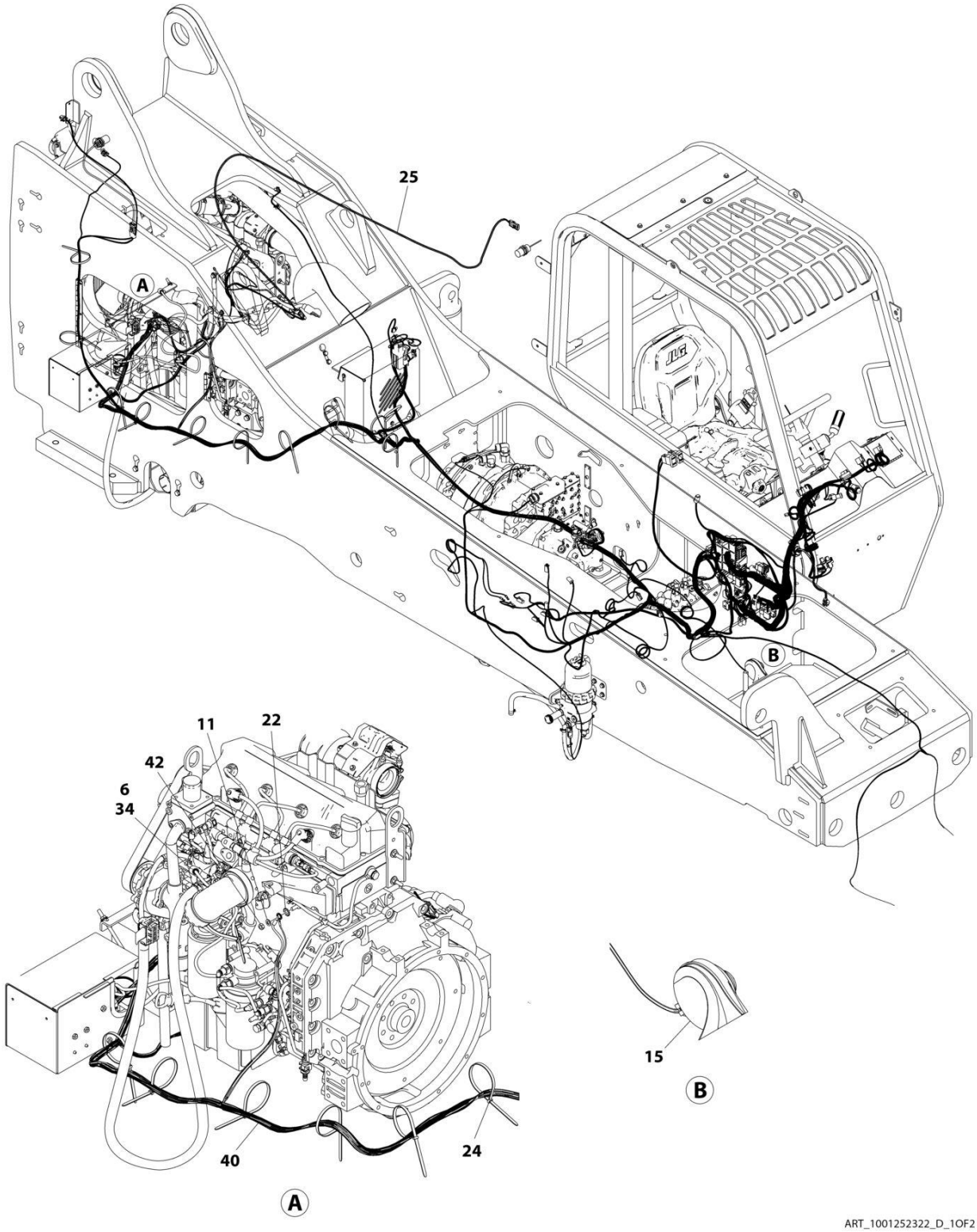
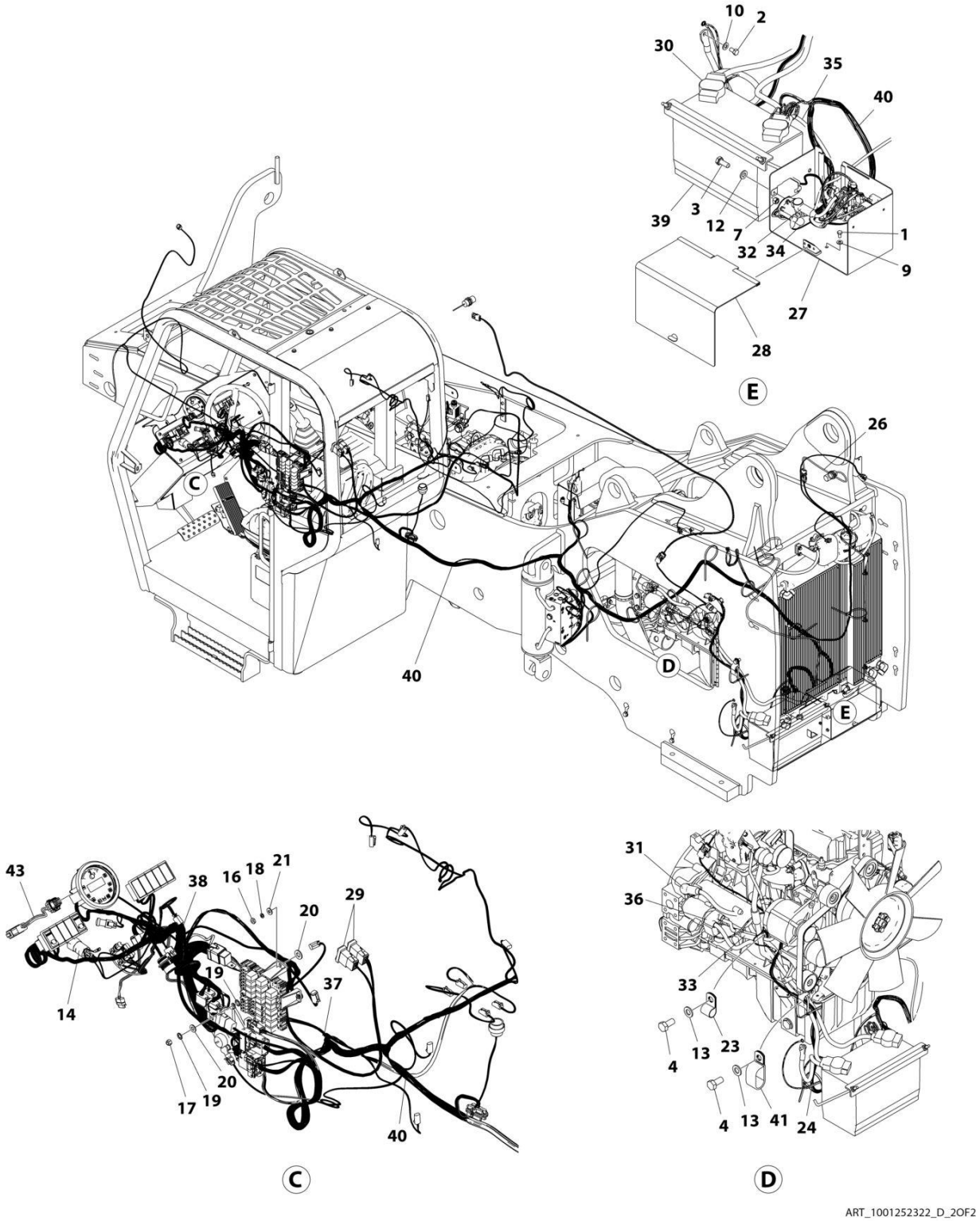
ART_1001252320_D_2OF2

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252320	Ref	ELECTRICAL INSTALLATION (ULS)	D
1	0641404	3	Bolt 1/4X1/2	
2	0641605	1	Bolt 3/8X5/8	
3	0761212	2	Bolt M12X25	
5	3290601	1	Nut M6X1	
7	4711400	3	Washer 1/4	
8	4711600	1	Washer 3/8	
9	4811700	2	Washer M6	
10	4811900	1	Washer, M8	
11	4812100	2	Washer, M12	
12	8270620	1	Horn, Signal	
13	8303545	2	Bolt M6X14	
14	8305002	4	Nut #10	
15	8305624	2	Nut 1/4	
16	8307003	4	Washer M10	
17	8307027	4	Washer 5/16	
18	8307106	6	Washer 5/16	
19	8307111	4	Washer M10	
20	8310046	1	Washer M10	
21	8406105	1	Clip, Tube	
22	8584001	14	Wrap, Tie	
23	1001127226	1	Boom Extend Harness (See Separate Breakdown in this Section)	
24	1001130307	2	Sensor, Boom	
25	1001169620	1	Harness, Engine (See Separate Breakdown in this Section)	
26	1001170233	1	Installation, Relay Panel (See Separate Breakdown in this Section)	
27	1001170234	1	Assembly, Relay Panel Cover (See Separate Breakdown in this Section)	
28	1001170269	2	Switch, Outrigger	
29	1001171234	1	Cable, Battery Negative	
30	1001171236	1	Cable, Starter Ground	
31	1001171237	1	Cable, Grid Heater to Fuse Power	
32	1001171238	1	Cable, Alternator Power	
33	1001171239	1	Cable, Grid Heater Power	
34	1001171633	1	Cable, Buss Power	
35	1001171757	1	Cable, Starter Power	
36	1001172135	1	Indicator, Engine	
37	1001172136	1	Indicator, Hest	
38	1001251503	1	Logic Harness (See Separate Breakdown in this Section)	
39	1001299369	1	Harness, Cab Power Distribution (See Separate Breakdown in this Section)	
40	1001181899	1	Clamp	
41	1001184835	1	Harness, TBAP (See Separate Breakdown in this Section)	
42	1001186841	1	Installation, Battery (See Separate Breakdown in this Section)	
43	3290801	1	Nut M8	
44	1001250700	1	Switch, Pressure	
45	1001301880	1	Gauge Cluster Jumper Harness (See Separate Breakdown in this Section)	

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





ART_1001252322_D_2OF2

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252322	Ref	ELECTRICAL INSTALLATION (LS)	D
1	0641404	3	Bolt 1/4X1/2	
2	0641605	1	Bolt 3/8X5/8	
3	8303545	1	Bolt M6X14	
4	0761212	2	Bolt, M12X25	
6	3290601	1	Nut M6	
7	3290605	1	Nut M6	
9	4711400	3	Washer 1/4	
10	4711600	1	Washer 3/8	
11	4811900	1	Washer M8	
12	4811702	1	Washer, M6	
13	4812100	2	Washer M12	
14	1001250700	1	Switch, Pressure	
15	8270620	1	Horn, Signal	
16	8305002	4	Nut #10	
17	8305624	2	Nut 1/4	
18	8307003	4	Washer M10	
19	8307027	4	Washer 5/16	
20	8307106	6	Washer 5/16	
21	8307111	4	Washer M10	
22	8310046	1	Washer M10	
23	8406105	1	Clip, Tube	
24	8584001	14	Wrap, Tie	
25	1001127226	1	Harness, Boom Extend (See Separate Breakdown in this Section)	
26	1001130307	2	Sensor, Boom	
27	1001170233	1	Installation, Relay Panel (See Separate Breakdown in this Section)	
28	1001170234	1	Assembly, Relay Panel Cover (See Separate Breakdown in this Section)	
29	1001170269	2	Switch, Outrigger	
30	1001171234	1	Cable, Battery Negative	
31	1001171236	1	Cable, Starter Ground	
32	1001171237	1	Cable, Grid Heater to Fuse Power	
33	1001171238	1	Cable, Alternator Power	
34	1001171239	1	Cable, Grid Heater Power	
35	1001171633	1	Cable, Buss Power	
36	1001171757	1	Cable, Starter Power	
37	1001251503	1	Harness, Logic (See Separate Breakdown in this Section)	
38	1001299369	1	Harness, Cab Power Distribution (See Separate Breakdown in this Section)	
39	1001186841	1	Installation, Battery (See Separate Breakdown in this Section)	
40	1001189488	1	Engine Harness (See Separate Breakdown in this Section)	
41	1001181899	1	Clamp	
42	3290801	1	Nut M8	
43	1001301880	1	Gauge Cluster Jumper Harness (See Separate Breakdown in this Section)	

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

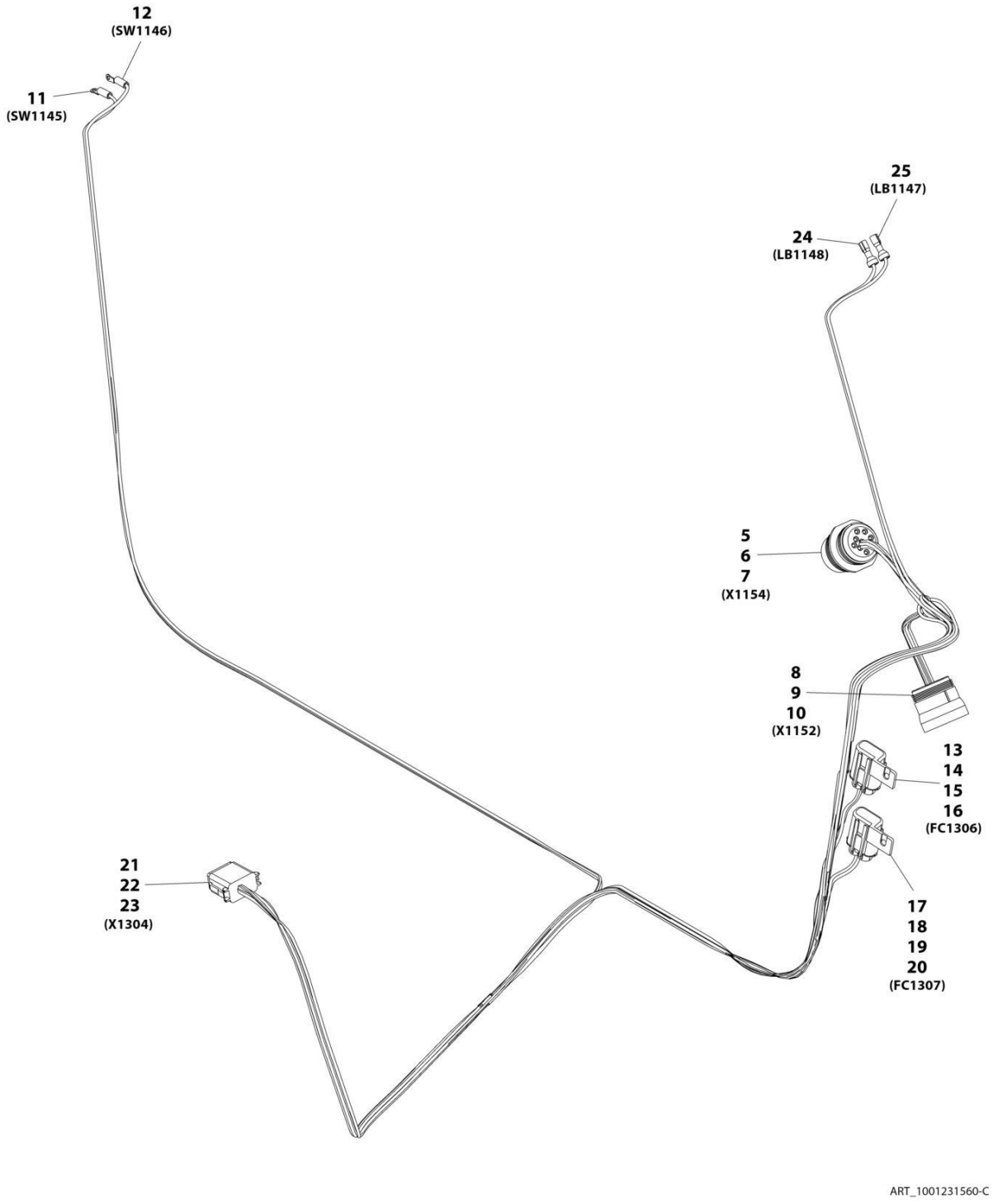


FIGURE 10-4. AIR SHUT-OFF VALVE HARNESS - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231560	Ref	POSI Air Shut Off Valve Cab, Harness	C
5	1001112612	1	Connector	
6	4460464	6	Terminal	
7	4460466	3	Plug	
8	1001116945	1	Connector	
9	4460465	6	Terminal	
10	4460466	3	Plug	
11	8220035	1	Terminal, Ring	
12	8220035	1	Terminal, Ring	
13	1001231397	1	Connector	
14	8229261	1	Fuse 5A	
15	1001231400	2	Terminal	
16	1001231404	2	Plug	
17	1001231397	1	Connector	
18	8229234	1	Fuse 10A	
19	1001231400	2	Terminal	
20	1001231404	2	Plug	
21	4460930	1	Connector	
22	4460465	6	Terminal	
23	4460466	2	Plug	
24	8220108	1	Connector	
25	8220108	1	Connector	

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

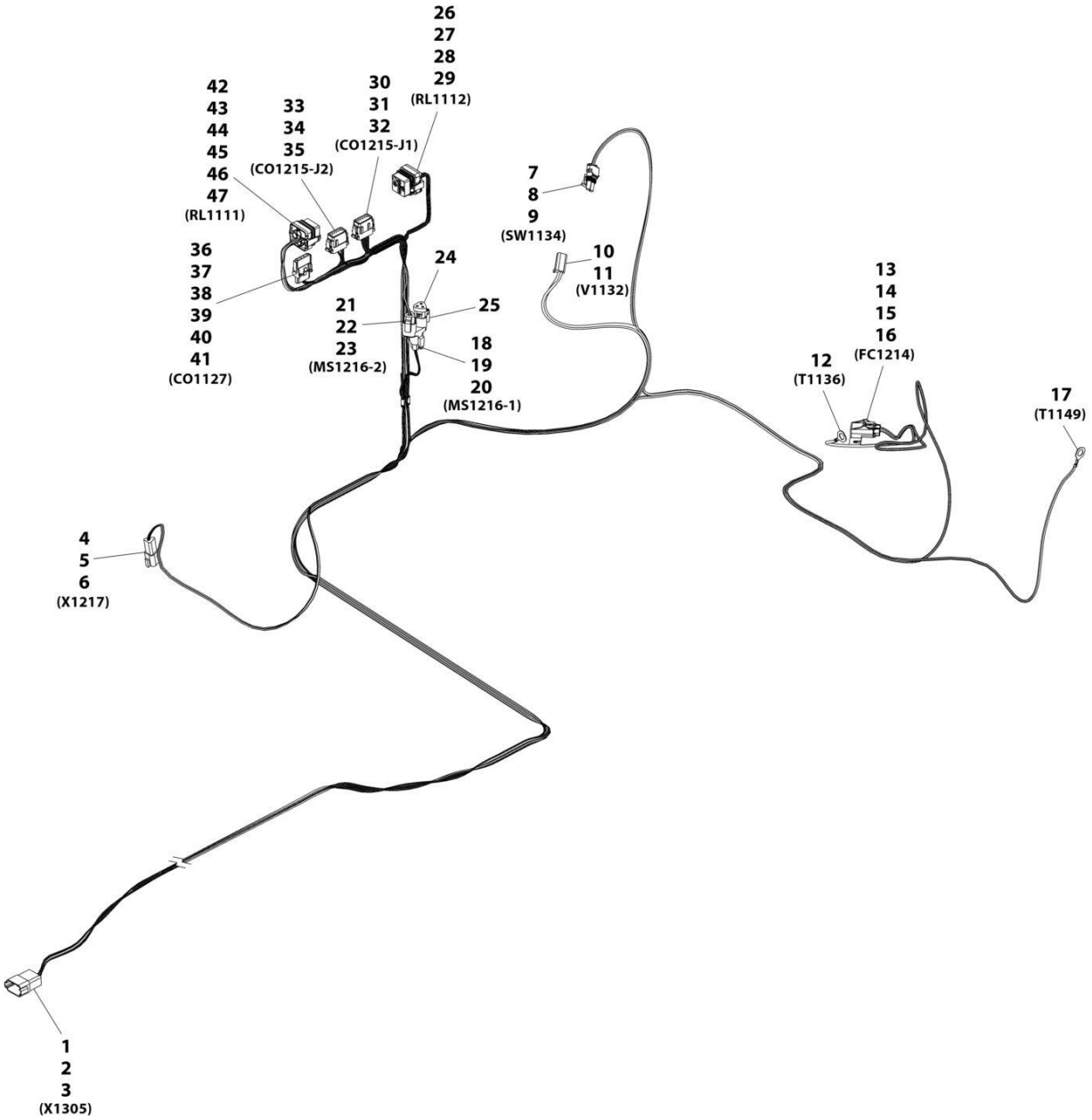


FIGURE 10-5. AIR SHUT-OFF VALVE HARNESS - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216455	Ref	POSI Air Shut Off Valve T4F, Harness	F
1	4460931	1	Connector	
2	4460464	6	Terminal	
3	4460466	2	Plug	
4	1001144147	1	Connector	
5	4460464	2	Terminal	
6	4460466	1	Plug	
7	4460742	1	Connector	
8	4460475	2	Terminal	
9	4460458	2	Seal	
10	4460891	1	Connector	
11	1001157890	2	Terminal	
12	1001187078	1	Terminal, Ring	
13	1001231397	1	Connector	
14	8229235	1	Fuse 20A	
15	1001231401	2	Terminal	
16	1001230402	2	Seal	
17	1001187078	1	Connector	
18	1001116812	1	Connector	
19	4460465	2	Terminal	
20	4460466	1	Plug	
21	4460539	1	Connector	
22	4460465	2	Terminal	
23	4460466	1	Plug	
24	1001116815	1	Connector, 3 Pin	
25	4460945	1	Terminal, 3 Way "T" Receptacle	
26	1001231398	1	Connector	
27	1001231400	4	Terminal	
28	1001231406	1	Plug	
29	1001231404	4	Seal	
30	1001116808	1	Connector	
31	1001126008	9	Terminal	
32	4460518	3	Plug	
33	1001116774	1	Connector	
34	4460518	8	Plug	
35	1001126008	4	Terminal	
36	4460761	1	Connector	
37	4460321	1	Connector - 4 Position	
38	4460809	4	Plug	
39	1001118378	4	Terminal	
40	1001143551	1	Seal	
41	1001218358	1	Lanyard, Rope	
42	1001231398	1	Connector	
43	1001231401	2	Terminal	
44	1001231400	2	Terminal	
45	1001231406	1	Plug	
46	1001231402	2	Seal	
47	1001231404	2	Seal	

FIGURE 10-6. BACKUP ALARM INSTALLATION

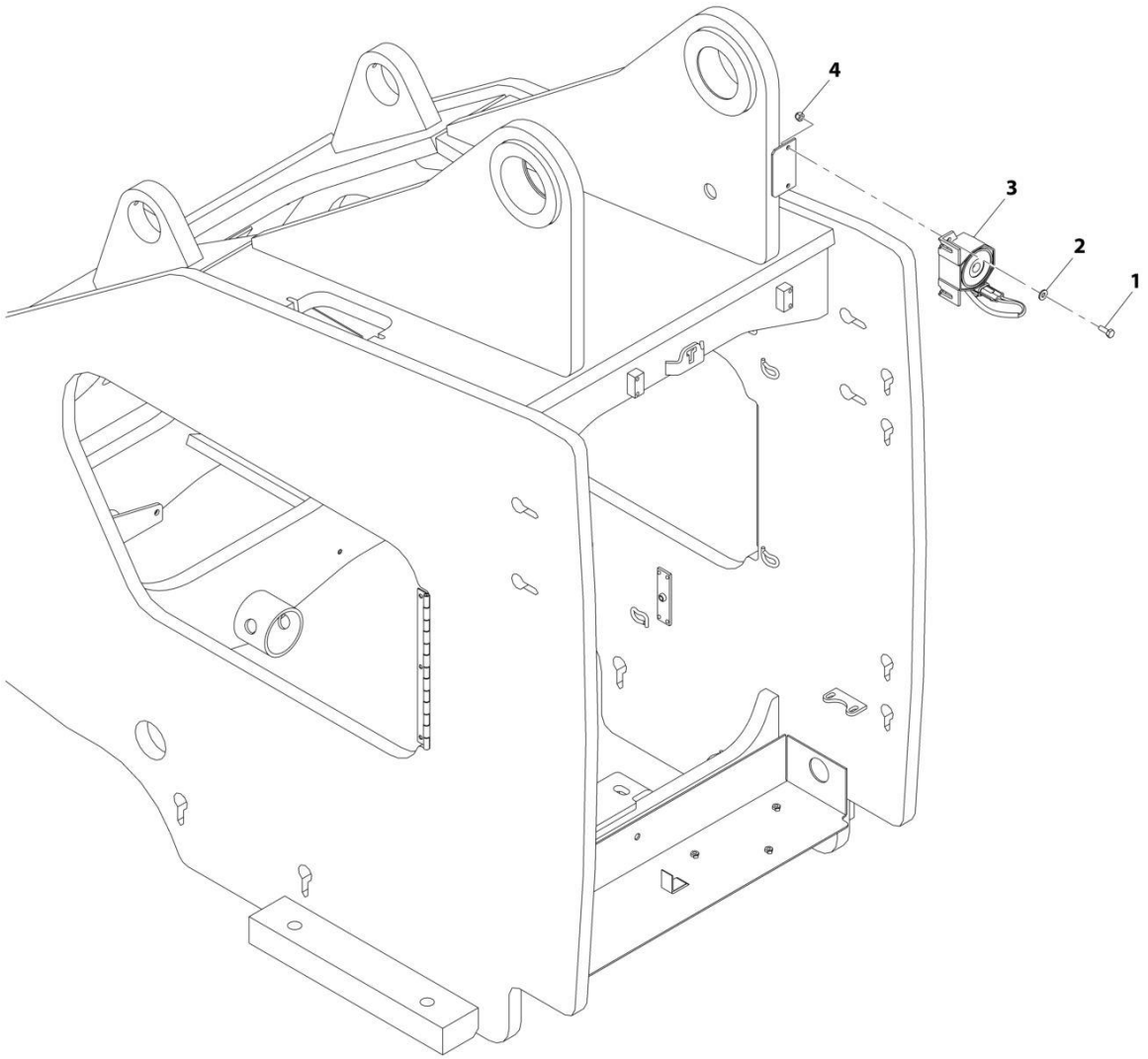
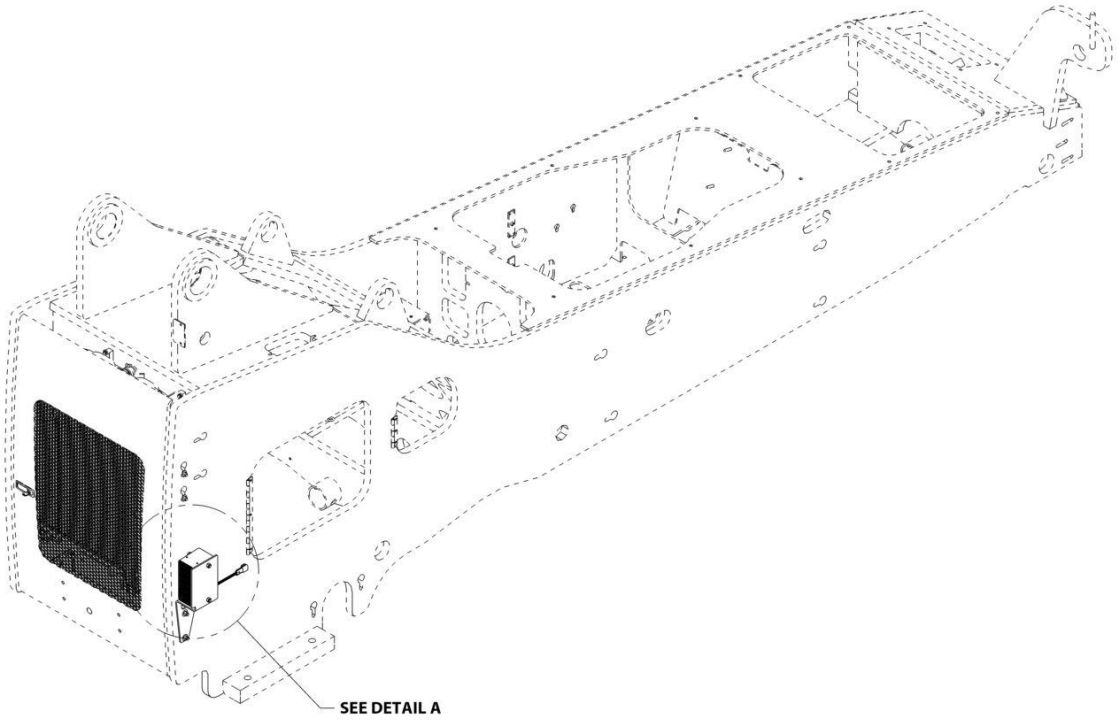
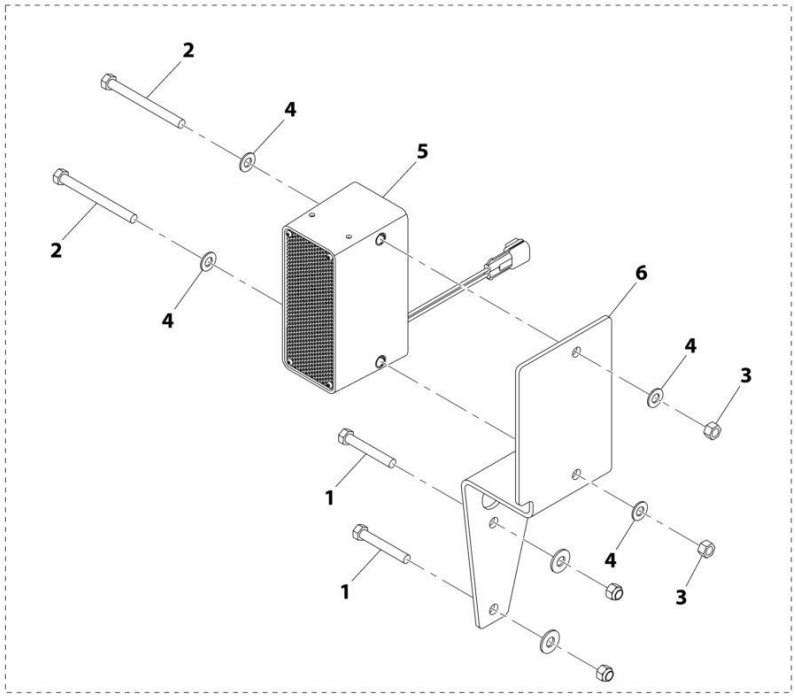


FIGURE 10-6. BACKUP ALARM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206542	Ref	Back-Up Alarm Installation	A
1	0641406	2	Bolt 1/4X3/4	
2	4711400	2	Washer 1/4	
3	8270621	1	Alarm, Back-Up	
4	8305624	2	Nut 1/4	

FIGURE 10-7. BACKUP ALARM INSTALLATION (WHITE NOISE)





DETAIL A

ART_1001206543-A

FIGURE 10-7. BACKUP ALARM INSTALLATION (WHITE NOISE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206543	Ref	Back-Up Alarm Installation (White Noise)	A
1	0641620	2	Bolt 3/82-1/2	
2	0641632	2	Bolt 3/8X4	
3	3311605	2	Nut 3/8	
4	4711600	4	Washer 3/8	
5	1001198728	1	Alarm	
6	1001213574	1	Bracket	

FIGURE 10-8. REVERSE CAMERA

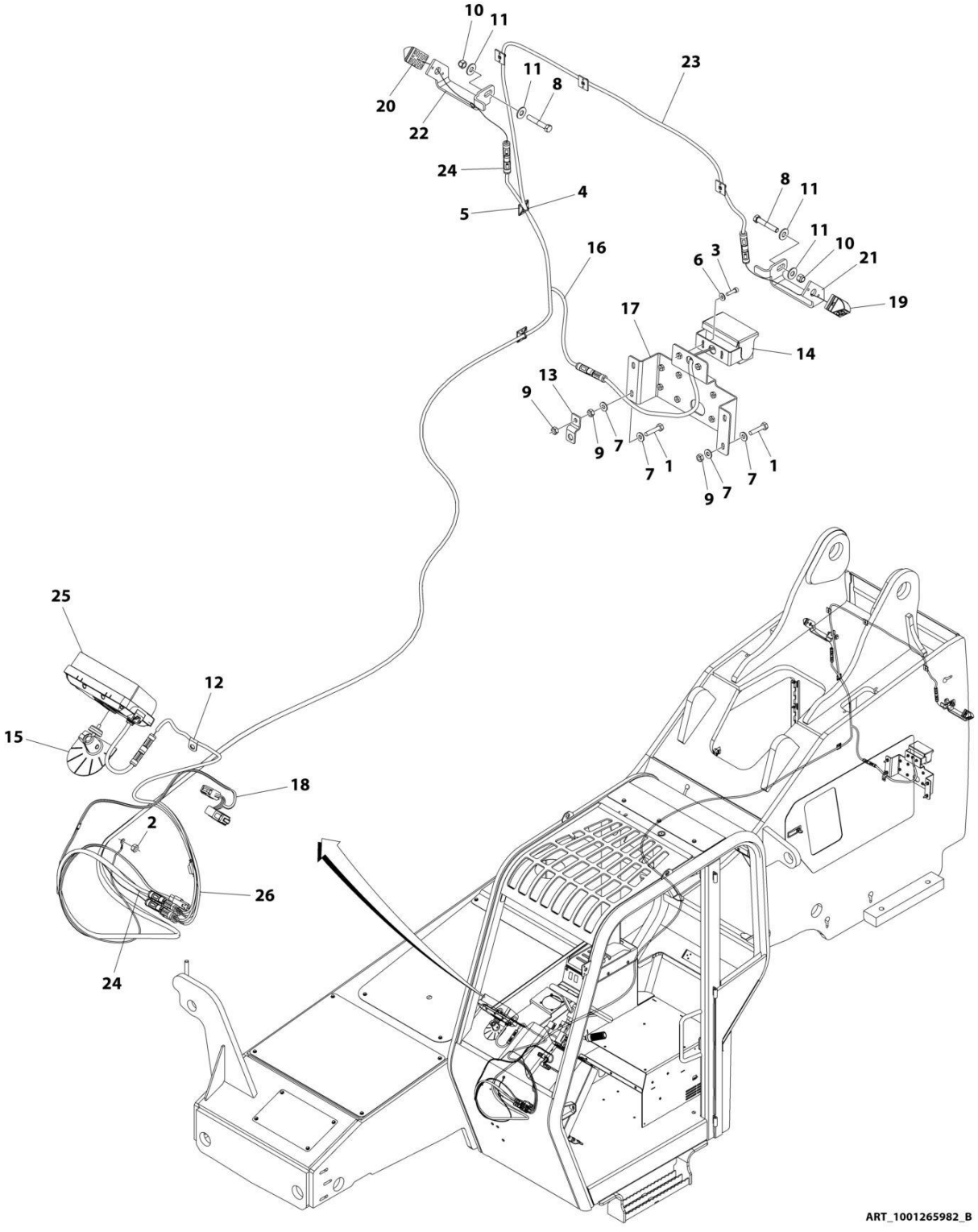


FIGURE 10-8. REVERSE CAMERA

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265982	Ref	SKYTRAK BACKUP CAMERA INSTALLATION	B
1	0641410	4	Bolt 1/4 x 1	
2	3311401	1	Nut 1/4	
3	3931012	2	Capscrew, #10 x 3/4	
4	4240032	1	Tie-Strap	
5	4460234	1	Mount, Tie-Strap	
6	4711000	2	Washer M10	
7	4711400	8	Washer 1/4	
8	8303771	1	Bolt 3/8 x 2-1/4	
9	8305004	5	Nut 1/4	
10	8305645	2	Nut 3/8	
11	8307204	4	Washer 3/8	
12	8406010	1	Clip	
13	1001204692	1	Bracket	
14	1001233174	1	Camera, Rear View	
15	1001233217	1	Bracket, Monitor Mount	
16	1001233434	1	Harness, Extension Cable Camera	
17	1001233828	1	Bracket, Camera Mount	
18	1001233976	1	Harness, Rear Camera Option (See Separate Breakdown in this Section)	
19	1001264534	1	Camera (LH)	
20	1001264536	1	Camera (RH)	
21	1001265679	1	Bracket, Camera (LH)	
22	1001265680	1	Bracket, Camera (RH)	
23	1001265979	1	Harness, Extension (LH)	
24	1001265980	1	Harness, Extension (RH)	
25	1001289479	1	Monitor, Display	
26	1001265987	1	Harness, Monitor/Display	

FIGURE 10-9. MULTI VIEW CAMERA INSTALLATION

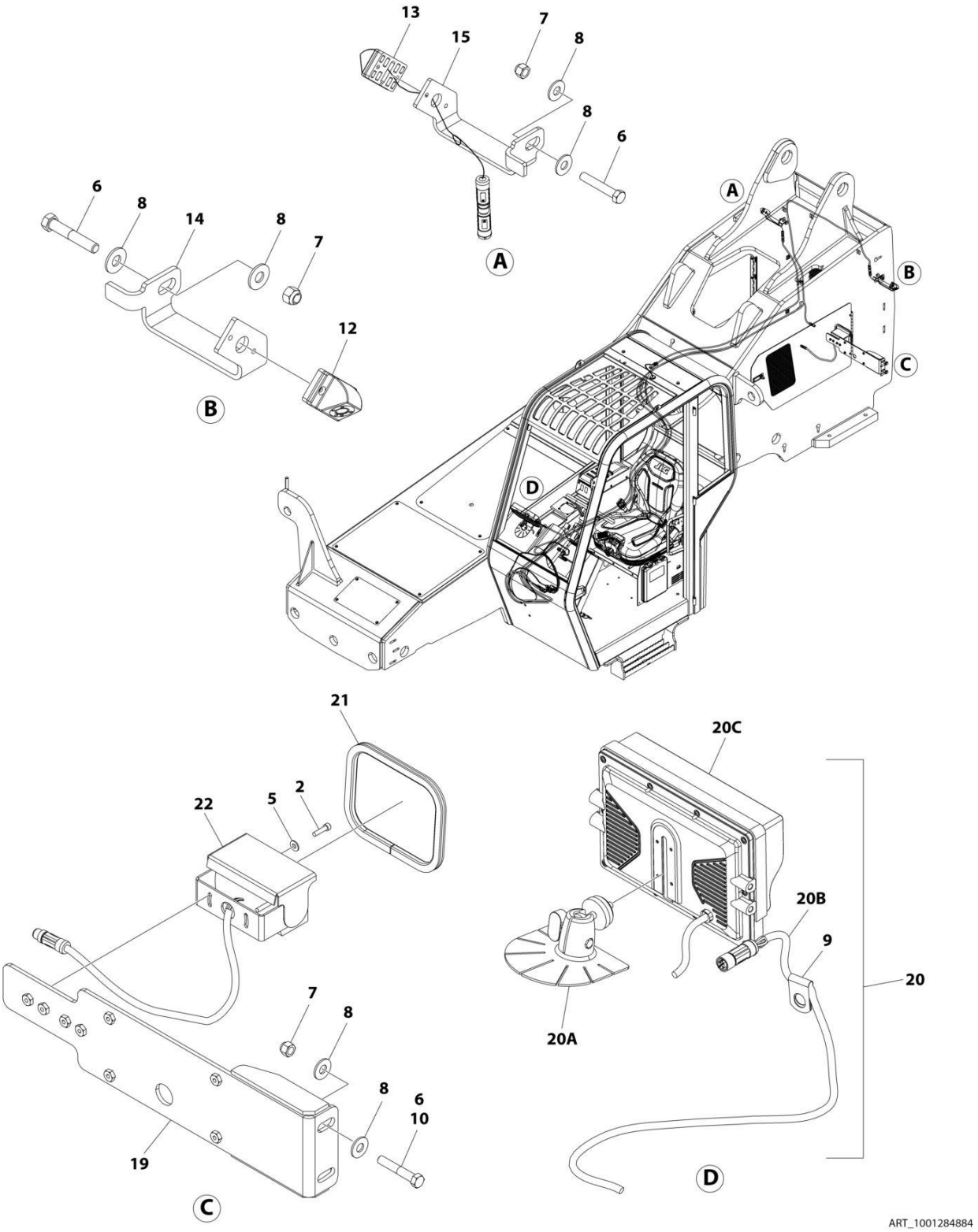


FIGURE 10-9. MULTI VIEW CAMERA INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284884	Ref	MULTI VIEW CAMERA INSTALLATION	B
1	3311401	1	Nut 1/4 (Not Shown)	
2	3931012	2	Capscrew 3/16 x 2-1/4	
3	4240032	AR	Tie-Strap (Not Shown)	
4	4460234	AR	Mount, Tie-Strap (Not Shown)	
5	4711000	2	Washer #10	
6	8303771	4	Screw 3/8 x 2-1/4	
7	8305645	4	Nut	
8	8307204	8	Washer 3/8	
9	8406010	1	Clip	
10	1001095650	AR	Adhesive	
12	1001264534	1	Camera, Side View (LH)	
13	1001264536	1	Camera, Side View (RH)	
14	1001265679	1	Bracket (LH)	
15	1001265680	1	Bracket (RH)	
16	1001265979	1	Extension Cable Harness (LH) (Not Shown)	
17	1001265980	1	Extension Cable Harness (RH) (Not Shown)	
19	1001284865	1	Bracket, Rear	
20	1001289479	1	Quad View Monitor	
20A	1001233217	1	Bracket, Mount	
20B	1001294608	1	Quad View Monitor Harness	
20C	1001302410	1	Monitor, Display	
21	90206196	19 in /48 cm	Gasket	
22	1001233174	1	Camera, Rear View	
23	1001233434	1	Extension Cable Camera Harness (Not Shown)	
24	1001233976	1	Rear Camera Harness (SKYTRAK) (Not Shown)	

FIGURE 10-10. REVERSE SENSOR SYSTEM INSTALLATION

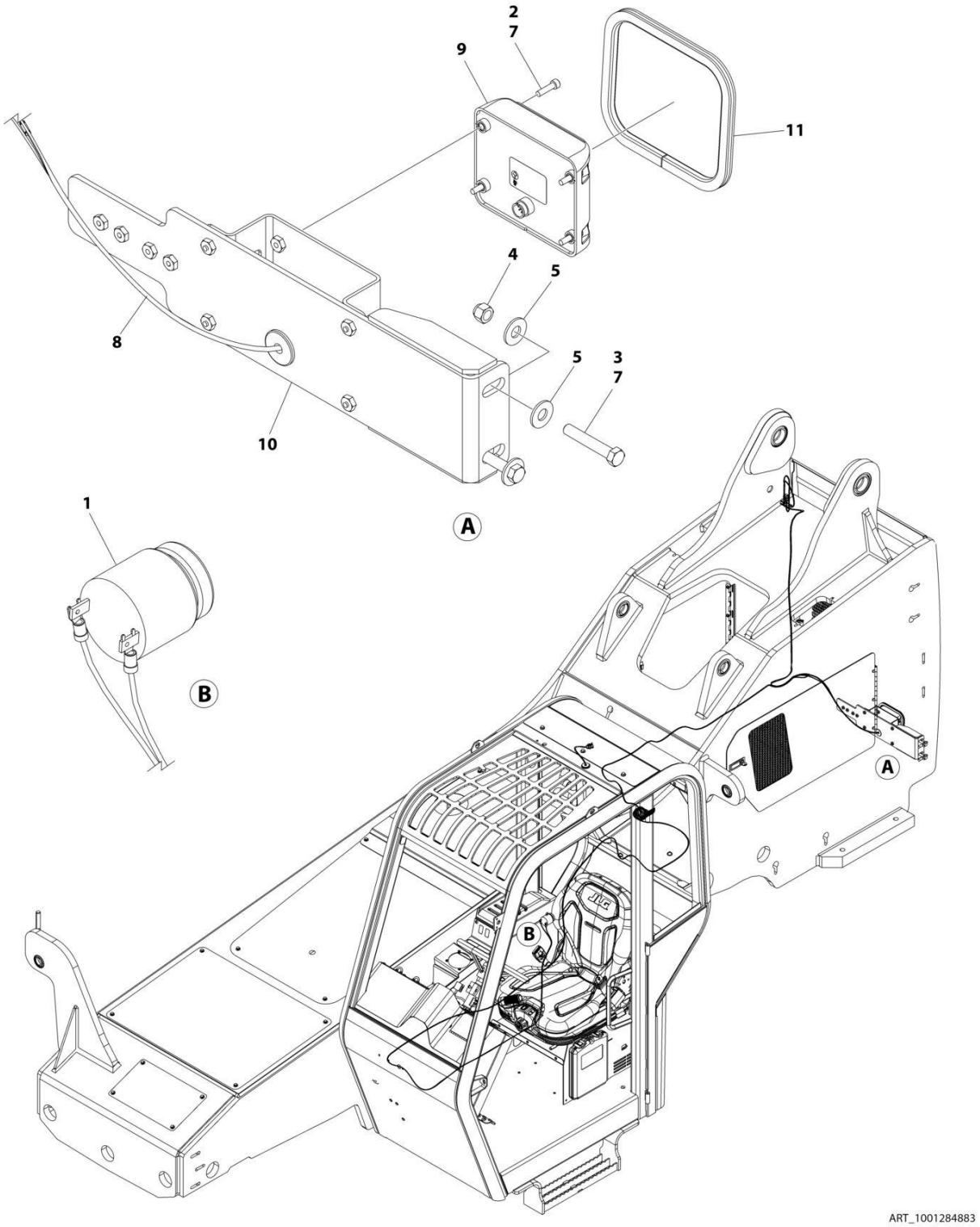


FIGURE 10-10. REVERSE SENSOR SYSTEM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284883	Ref	REVERSE SENSOR SYSTEM INSTALLATION	B
1	0140011	1	Audible, Signal Device	
2	3931012	4	Capscrew #10 x 3/4	
3	8303771	2	Bolt 3/8 x 2-1/4	
4	8305645	2	Nut	
5	8307204	4	Washer 3/8	
6	8584001	AR	Tie-Strap (Not Shown)	
7	1001095650	AR	Adhesive	
8	1001189886	1	Reverse Sensing Harness	
9	1001247421	1	Sensor, Reverse	
10	1001284866	1	Bracket	
11	90206196	20 in /50 cm	Gasket	

FIGURE 10-11. BACKUP CAMERA HARNESS

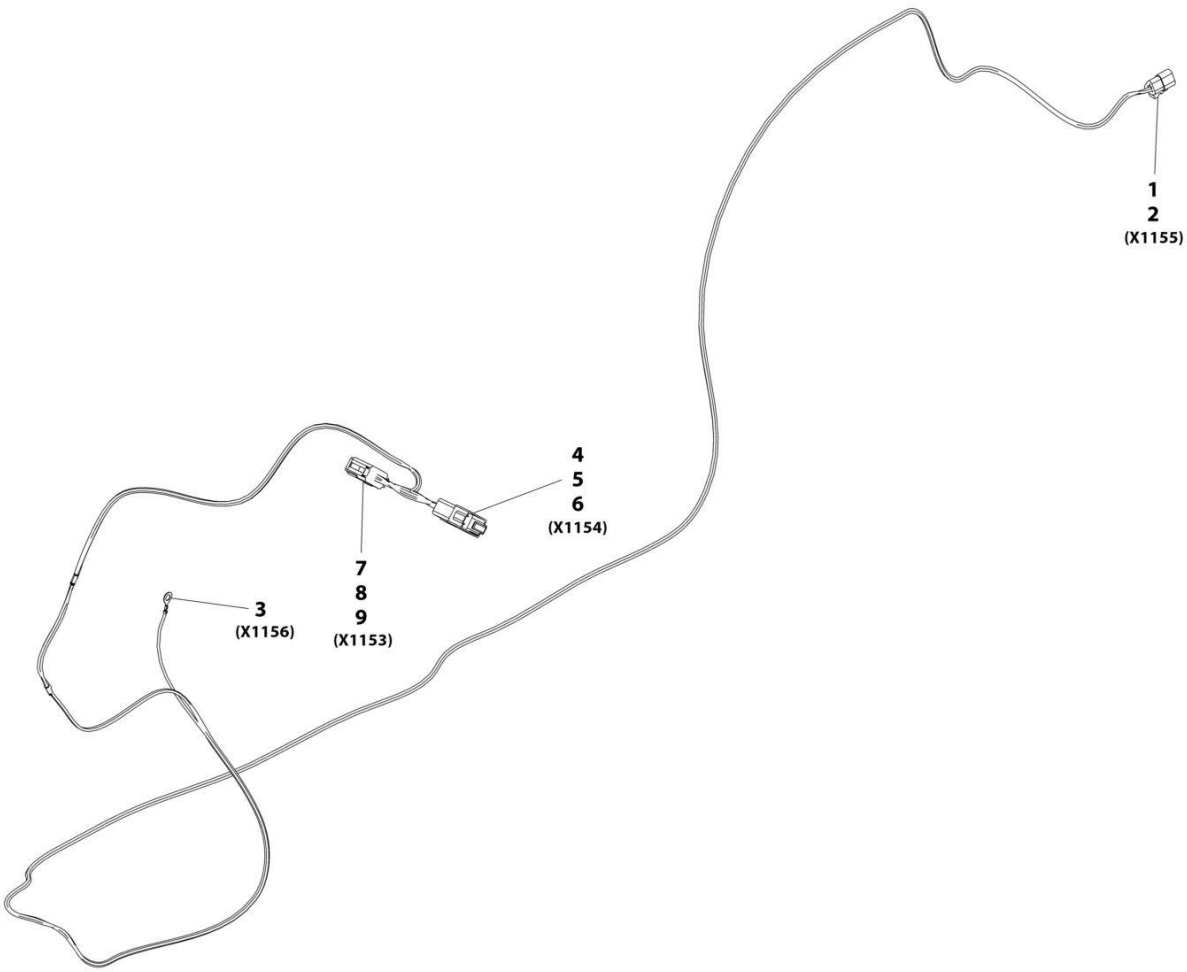


FIGURE 10-11. BACKUP CAMERA HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233976	Ref	Skytrak Rear Camera Option Harness	A
1	4460539	1	Connector	
2	4460465	3	Terminal	
3	1001207173	1	Terminal, Ring	
4	4460970	1	Connector	
5	4460464	9	Terminal	
6	4460466	3	Plug	
7	4460933	1	Connector	
8	4460465	9	Terminal	
9	4460466	3	Plug	

FIGURE 10-12. BATTERY INSTALLATION

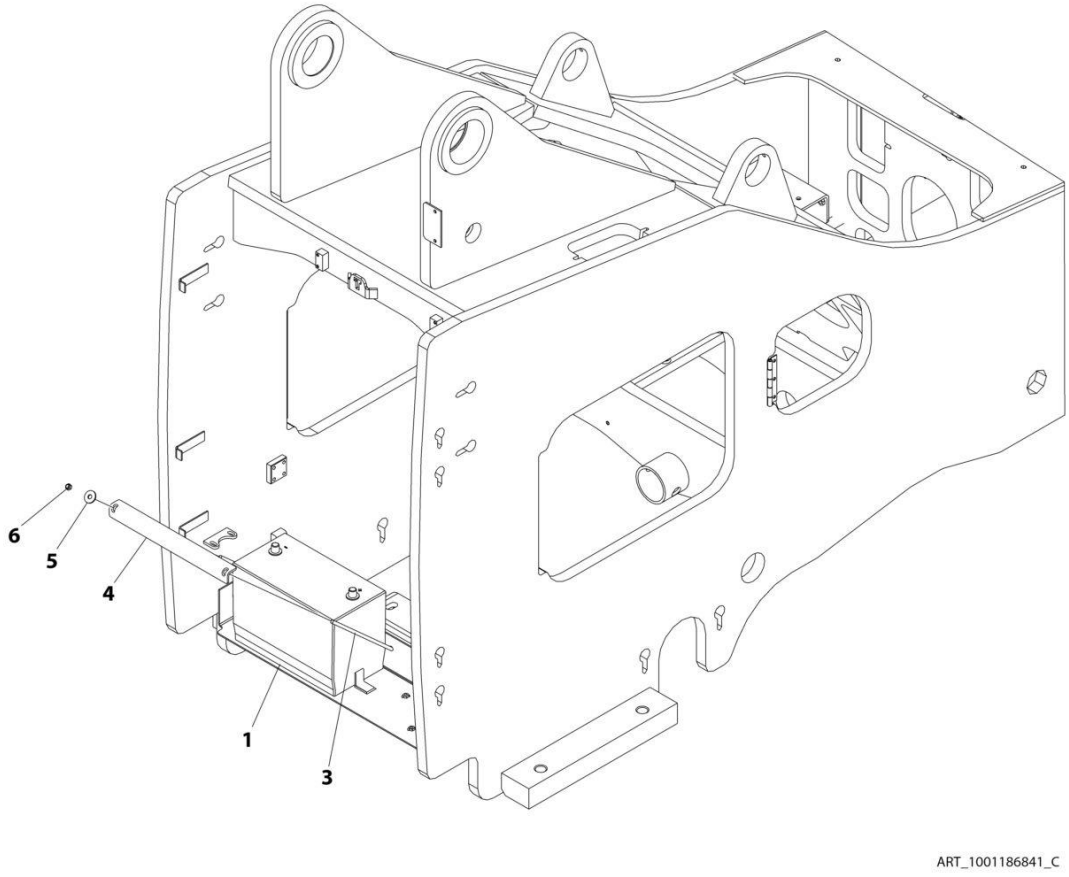


FIGURE 10-12. BATTERY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186841	Ref	BATTERY INSTALLATION	C
1	0400075	1	Battery, 12V	
3	91081640	2	Bolt, Battery Hold Down	
4	1001258991	1	Plate, Battery Hold Down	
5	4812002	2	Washer M10	
6	8305626	2	Nut	

FIGURE 10-13. BATTERY BLANKET INSTALLATION

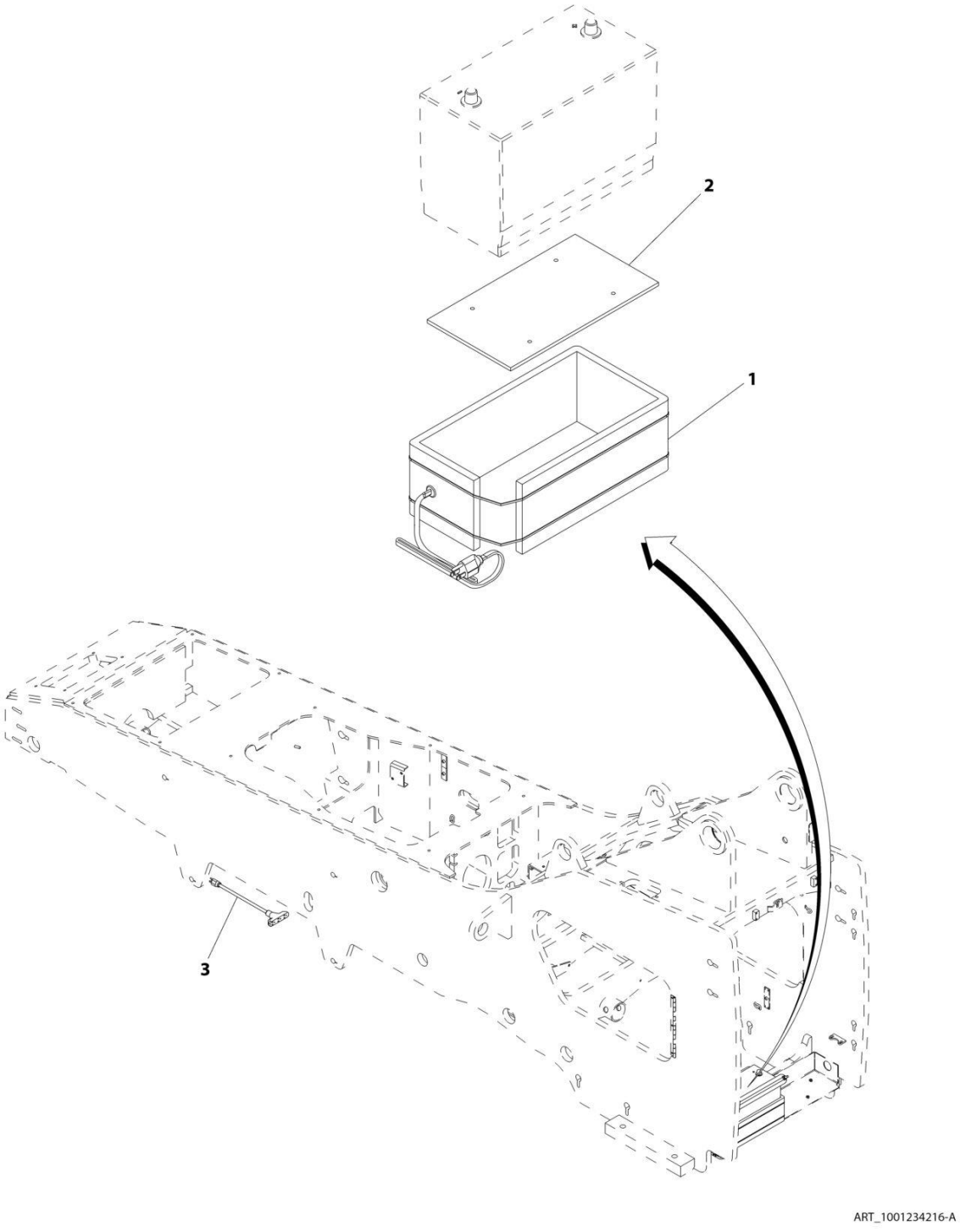
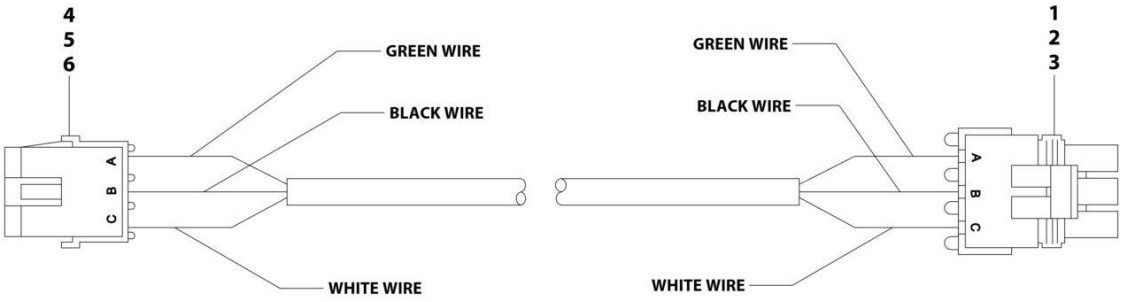


FIGURE 10-13. BATTERY BLANKET INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234216	Ref	Battery Blanket Installation	A
1	1001093564	1	Battery Heater	
2	1001119278	1	Battery Insulate	
3	1060626	1	3 Way Plug	

FIGURE 10-14. BOOM EXTEND HARNESS (10054)



ART_1001127226-C

FIGURE 10-14. BOOM EXTEND HARNESS (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001127226	Ref	Boom Extend Harness	C
1	4460459	1	Connector	
2	4460457	3	Terminal	
3	4460458	3	Seal	
4	4460476	1	Connector	
5	4460475	3	Terminal	
6	4460458	3	Seal	

FIGURE 10-15. BREATHER HEATER INSTALLATION

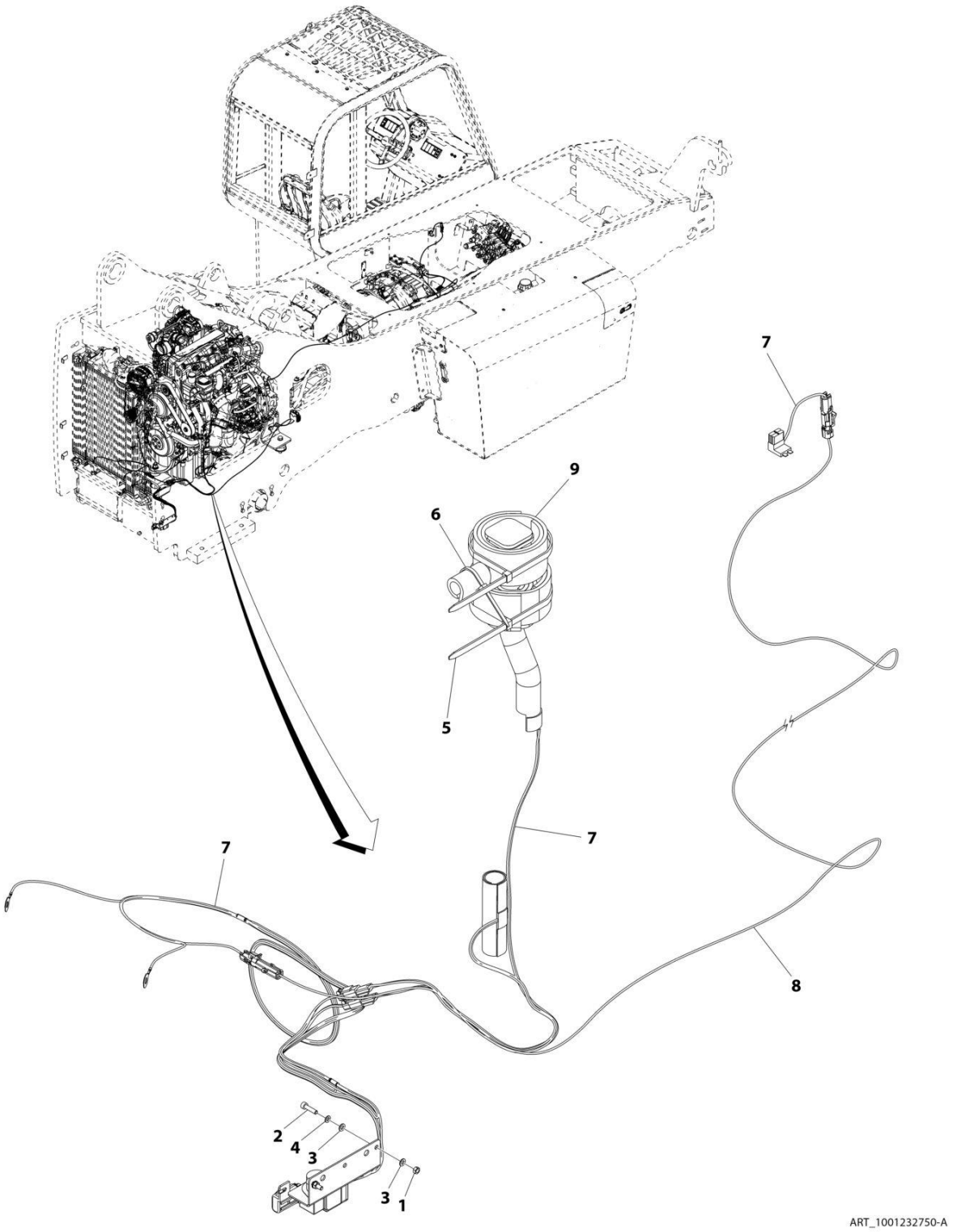
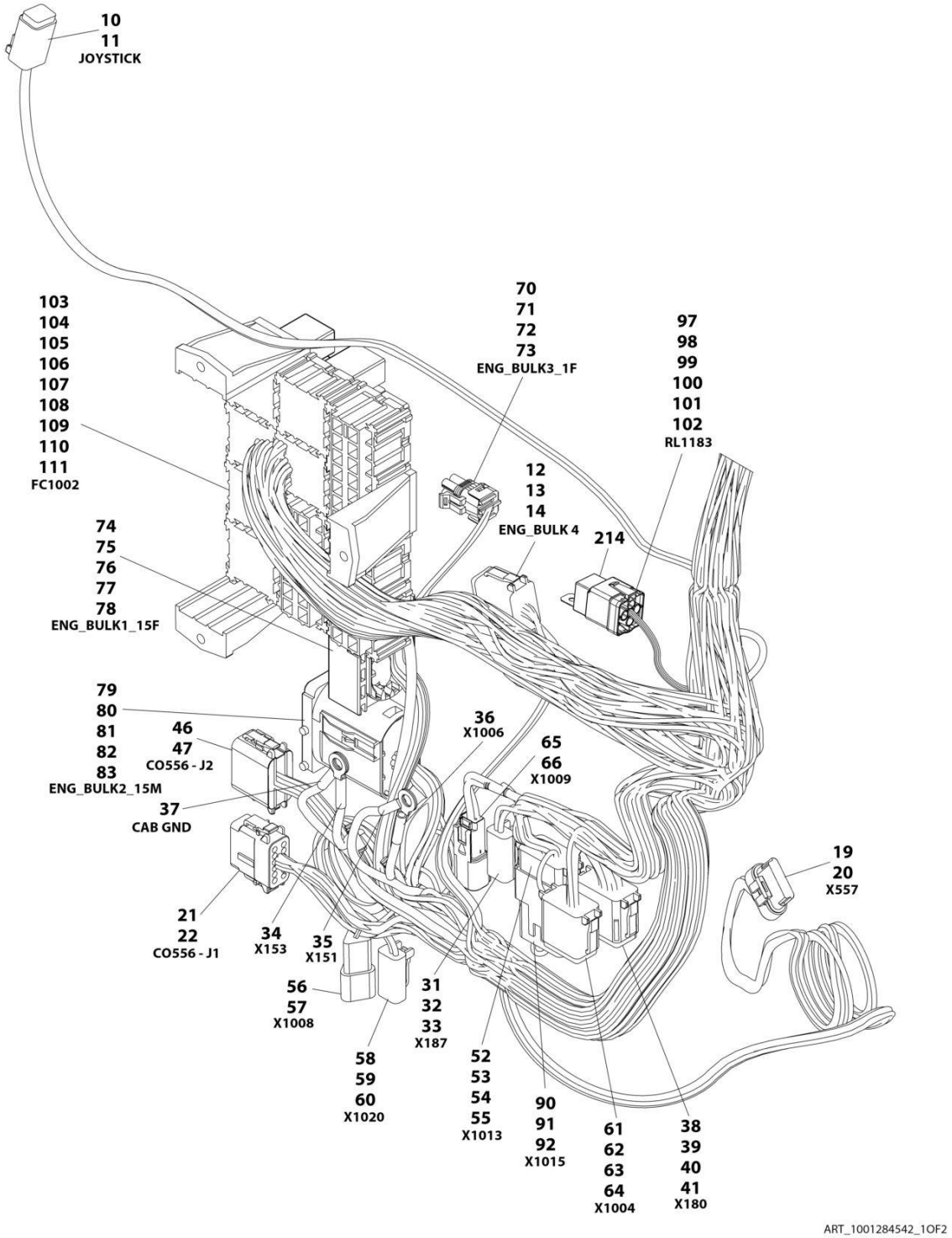
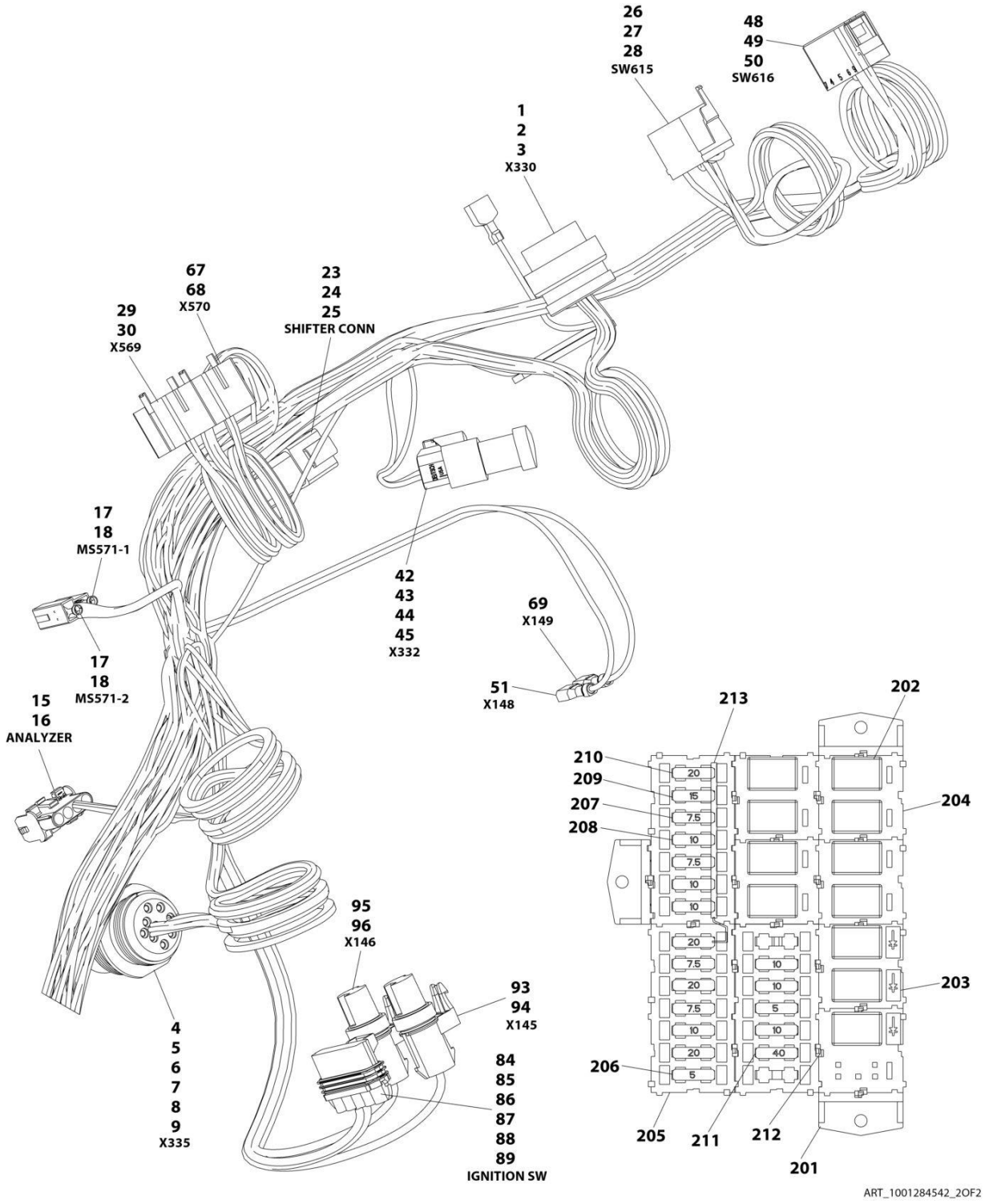


FIGURE 10-15. BREATHER HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232750	Ref	Heater Breather - 74 HP	A
1	3290501	2	Nut, M5X0.8	
2	4031608	2	Screw, M5X20	
3	4811600	4	Washer, M5	
4	4831600	2	Washer, Lock M5	
5	01043892	2	Strap, Tie	
6	86683122	1	Strap, Tie	
7	1001232439	1	Engine, Cummins Breather Kit	
8	1001232599	1	Harness, Cummins Breather Heater	
9	1001232624	1	Insulate, Cummins Insulation	

FIGURE 10-16. CAB POWER DISTRIBUTION HARNESS




26
27
28
SW615
48
49
50
SW616
1
2
3
X330
67
68
X570
29
30
X569
23
24
25
SHIFTER CONN
17
18
MS571-1
17
18
MS571-2
15
16
ANALYZER
42
43
44
45
X332
69
X149
51
X148
213
202
210
209
207
208
204
203
206
205
211
212
201
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96
X146
93
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X145
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X335
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85
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89
IGNITION SW
ART_1001284542_2OF2

FIGURE 10-16. CAB POWER DISTRIBUTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284542	Ref	CAB POWER DISTRIBUTION HARNESS	B
1	4460872	1	Connector	
2	4460871	10	Terminal, Socket	
3	4460905	4	Plug, Seal	
4	1001112612	1	Connector	
5	1001149712	1	Cap	
6	1001125784	1	Lockwasher	
7	1001125785	1	Nut	
8	4460464	7	Terminal	
9	4460466	3	Plug	
10	4460884	1	Connector	
11	4460465	4	Terminal	
12	4460930	1	Connector	
13	4460465	6	Terminal	
14	4460466	2	Plug	
15	4460761	1	Connector	
16	1001118378	4	Terminal	
17	4460994	2	Connector	
18	1001200833	4	Terminal	
19	1001230931	1	Connector	
20	91554014	6	Terminal	
21	1001116808	1	Connector	
22	1001126008	12	Terminal, Socket	
23	4460970	1	Connector	
24	4460464	9	Terminal	
25	4460466	3	Plug	
26	8220904	1	Connector	
27	4460419	4	Terminal	
28	1001195760	2	Terminal	
29	1001117119	1	Connector	
30	1001159186	4	Terminal	
31	4460891	1	Connector	
32	1001157890	1	Terminal	
33	4460942	1	Terminal	
34	4460312	1	Terminal, Ring	
35	4460312	1	Terminal, Ring	
36	4460312	1	Terminal, Ring	
37	4460312	1	Terminal, Ring	
38	4460836	1	Connector	
39	1001157890	5	Terminal, Socket	
40	4460465	6	Terminal	
41	4460466	1	Plug	
42	1001116812	1	Connector	
43	4461070	1	Connector	
44	4460465	2	Terminal	
45	4460466	1	Plug	
46	1001116774	1	Connector	
47	1001126008	12	Terminal, Socket	
48	8220904	1	Connector	
49	4460419	2	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001195760	8	Terminal	
51	8220051	1	Terminal	
52	4460933	1	Connector	
53	1001003174	3	Terminal, Socket	
54	4460465	7	Terminal	
55	4460466	2	Terminal	
56	4460536	1	Connector	
57	4460464	3	Terminal	
58	4460891	1	Connector	
59	4460465	1	Terminal	
60	1001157890	1	Terminal	
61	4460930	1	Connector	
62	4460465	3	Terminal	
63	1001157890	2	Terminal	
64	4460466	3	Plug	
65	4461017	1	Connector	
66	4460508	2	Terminal, Socket	
67	1001117119	1	Connector	
68	1001159186	2	Terminal	
69	8220051	1	Terminal	
70	80963061	1	Connector	
71	4460790	2	Terminal, Socket	
72	1001116727	2	Terminal	
73	8220089	4	Seal	
74	8220927	1	Connector	
75	1001116747	12	Terminal	
76	4460746	3	Terminal	
77	4460458	3	Seal	
78	8220081	12	Seal	
79	8220929	1	Connector	
80	8220097	12	Terminal	
81	8220125	2	Terminal	
82	1001116727	1	Plug	
83	4460458	14	Seal	
84	1001121726	1	Connector	
85	8220125	2	Terminal	
86	8220089	2	Seal	
87	1001116726	1	Terminal	
88	4460458	1	Seal	
89	1001116727	2	Plug	
90	4460970	1	Connector	
91	4460466	6	Terminal	
92	4460464	6	Terminal	
93	1001121728	1	Connector, Packard Female, 1POS	
94	1001121730	1	Terminal	
95	1001121728	1	Connector, Packard Female, 1POS	
96	1001121730	1	Terminal	
97	1001231398	1	Connector	
98	1001231401	2	Terminal	
99	1001231400	2	Terminal	
100	1001231406	1	Plug	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001231402	2	Seal	
102	1001231404	2	Seal	
103	1001116712	9	Terminal	
104	1001116710	18	Terminal	
105	1001116711	26	Terminal	
106	1001210779	8	Terminal	
107	1001192050	10	Terminal	
108	1001210776	4	Terminal	
109	1001192049	12	Terminal	
110	1001210778	1	Terminal	
111	1001210777	7	Terminal	
201	1001200845	3	Leg, Mounting	
202	1001205172	11	Relay, Micro 280, 12V, 35 Amp	
203	1001129285	3	Fuse, Mini Diode	
204	1001177198	6	Module, 2 Fuse	
205	1001187952	3	Assembly, Electrical	
206	8229261	2	Fuse, Type 5 A	
207	8229233	4	Fuse, Type 7.5 A	
208	8229234	7	Fuse, Type 10 A	
209	8229237	1	Fuse, Type 15 A	
210	8229235	4	Fuse, Type 20 A	
211	8229238	1	Fuse, Type 40 A	
212	4461103	17	Relay, Locking Wedge	
213	1001210779	1	Terminal	
214	3740080	1	Relay, Weather Proof	

FIGURE 10-17. CAB POWER DISTRIBUTION HARNESS

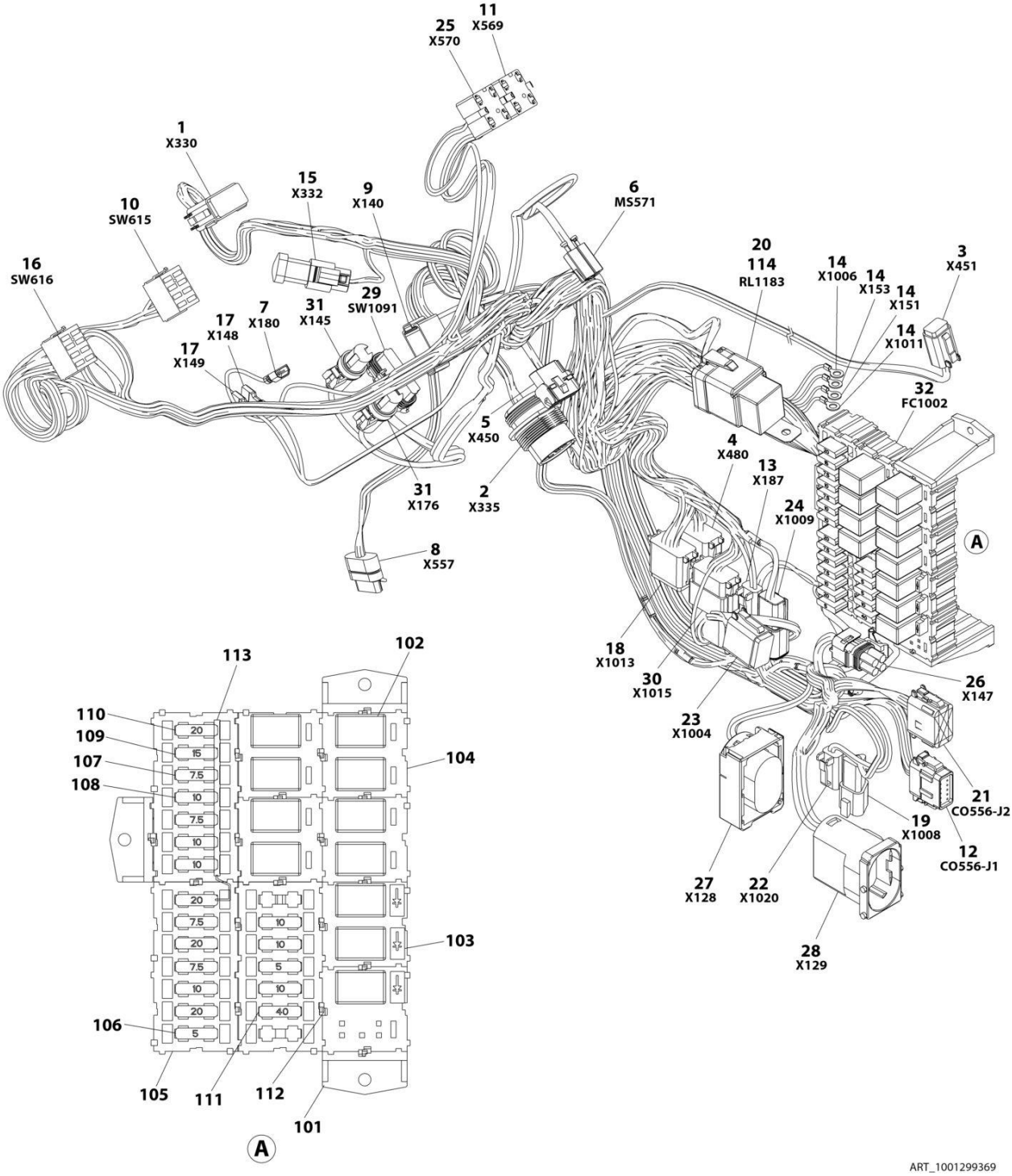


FIGURE 10-17. CAB POWER DISTRIBUTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001299369	Ref	CAB POWER DISTRIBUTION HARNESS	B
1	4460933	1	Connector	
1	4460465	11	Socket	
2	1001112612	1	Connector	
2	1001149712	1	Cap & Lanyard	
2	1001125784	1	Washer	
2	1001125785	1	Nut	
2	4460464	7	Pin	
2	4460884	1	Connector	
3	4460465	4	Socket	
4	4460930	1	Connector	
4	1001116693	6	Pin	
5	4460761	1	Connector	
5	1001118378	4	Socket	
6	4460994	1	Connector	
6	1001200833	2	Socket	
6	4460836	1	Connector	
7	1001157890	5	Pin (12AWG)	
7	1001116693	6	Pin (16AWG)	
8	1001230931	1	Connector	
8	91554014	6	Socket	
9	4460970	1	Connector	
9	1001116693	9	Pin	
10	8220904	1	Connector	
10	1001195760	2	Socket	
10	4460419	4	Socket	
11	1001117119	1	Connector	
11	1001159186	4	Socket	
12	1001116808	1	Connector	
12	1001126008	12	Pin	
13	4460891	1	Connector	
13	1001116693	2	Pin	
14	4460312	4	Terminal, Ring	
15	1001116812	1	Connector	
15	4460465	2	Socket	
16	8220904	1	Connector	
16	1001195760	8	Socket (16AWG)	
16	4460419	2	Socket (12AWG)	
17	8220051	2	Terminal	
18	4460933	1	Connector	
18	1001116693	10	Pin	
19	4460536	1	Connector	
19	1001116693	2	Pin (16AWG)	
19	4460464	1	Pin (18AWG)	
20	1001231398	1	Connector	
20	1001231400	2	Socket (14-16AWG)	
20	1001231401	2	Socket (12-14AWG)	
20	1001231402	2	Seal (Blue)	
20	1001231404	2	Seal	
21	1001116774	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	1001126008	12	Pin	
22	4460891	1	Connector	
22	1001157890	1	Socket (12-16AWG)	
22	4460465	1	Socket (16-20AWG)	
23	4460930	1	Connector	
23	1001157890	2	Pin (12-16AWG)	
23	1001116693	3	Pin (14-18AWG)	
24	4461017	1	Connector	
24	4460508	2	Pin	
25	1001117119	1	Connector	
25	1001159186	2	Socket	
26	80963061	1	Connector	
26	4460790	2	Socket	
26	8220089	2	Seal	
27	8220927	1	Connector	
27	1001116726	10	Socket (16AWG)	
27	4460746	3	Socket (18AWG)	
27	8220098	1	Socket (14AWG) (Brass)	
27	1001116747	1	Socket (14AWG) (Tin)	
27	8220081	12	Seal (Grey)	
27	4460458	3	Seal (Green)	
28	8220929	1	Connector	
28	8220097	12	Socket (16-18AWG)	
28	8220125	2	Socket (10-12AWG)	
28	4460458	14	Seal	
29	1001121726	1	Connector	
29	8220125	2	Socket (10-12AWG)	
29	1001116726	1	Socket (16AWG)	
29	8220089	2	Seal (Blue)	
29	4460458	1	Seal (Green)	
30	4460970	1	Connector	
30	1001116693	6	Pin	
31	1001121728	2	Connector	
32	NPN	1	Fuse Relay Box	
32	1001116711	26	Socket (16-14AWG) (Tin)	
32	1001116712	9	Socket (12-16AWG) (Tin)	
32	1001210777	8	Socket (14-16AWG) (Brass)	
32	1001192050	10	Socket (14-16AWG) (Brass)	
32	1001116710	19	Socket (16-20AWG) (Tin)	
32	1001210778	2	Socket (18-20AWG) (Brass)	
32	1001192049	11	Socket (10-12AWG) (Brass)	
32	1001210776	4	Socket (18-20AWG) (Brass)	
32	1001210779	2	Buss Bar	
101	1001200845	3	Leg, Mounting	
102	1001205172	11	Relay, Micro 280, 12V, 35 Amp	
103	1001196636	3	Connector (1AMP)	
104	1001177198	6	Module, 2 Fuse	
105	1001187952	3	Dillblox	
106	8229261	4	Fuse (5AMP)	
107	8229233	4	Fuse (7.5AMP)	
108	8229234	5	Fuse (10AMP)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
109	8229237	1	Fuse (15AMP)	
110	8229235	4	Fuse (20AMP)	
111	8229238	1	Fuse (40AMP)	
112	4461103	17	Relay, Locking Wedge	
113	1001210779	1	Bussbar, 7-Way	
114	3740080	1	Relay, Weather Proof	

FIGURE 10-18. GAUGE CLUSTER JUMPER HARNESS

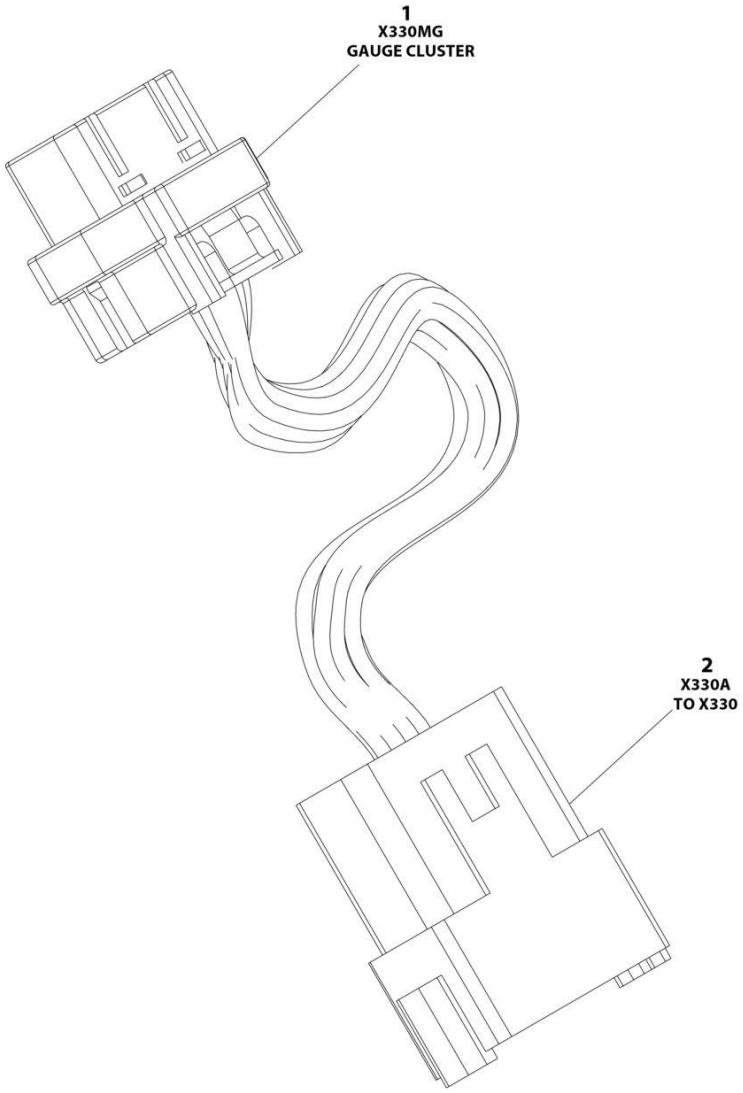


FIGURE 10-18. GAUGE CLUSTER JUMPER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301880	Ref	GAUGE CLUSTER JUMPER HARNESS	B
1	1001299236	1	Connector	
2	4460970	1	Connector	

FIGURE 10-19. CLEARSKY INSTALLATION - CANBUS

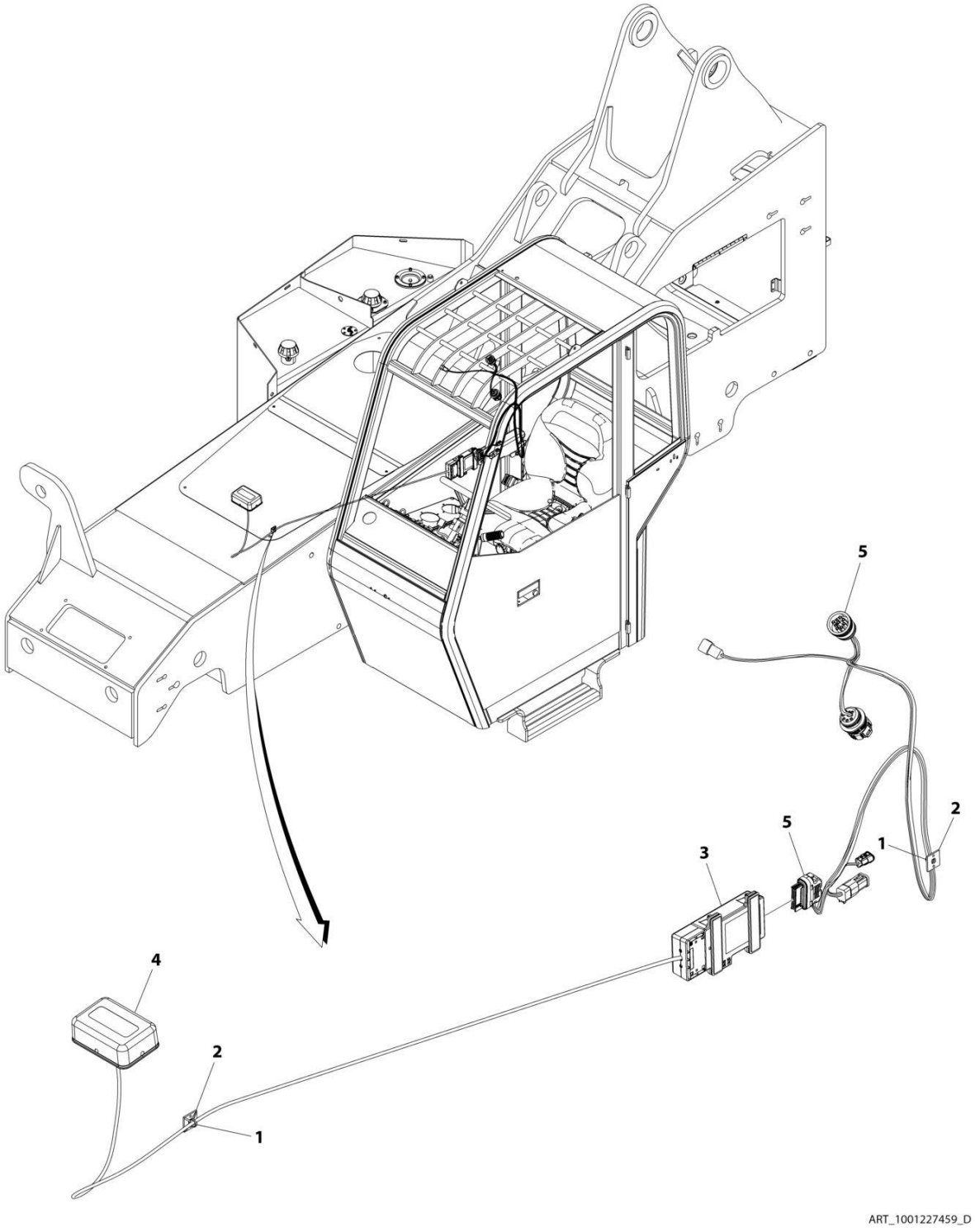


FIGURE 10-19. CLEARSKY INSTALLATION - CANBUS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227459	Ref	CLEARSKY INSTALLATION	D
1	4240032	AR	Tie-Strap	
2	4460234	AR	Mount, Tie-Strap	
3	1001226796	1	Module (3G)	
3	1001262322	1	Module (4G)	
4	1001226799	1	Antenna (3G)	
4	1001262326	1	Antenna (4G)	
5	1001226856	1	Harness, Clearsky (See Separate Breakdown in this Section)	

FIGURE 10-20. CLEARSKY INSTALLATION - CANBUS (CE)

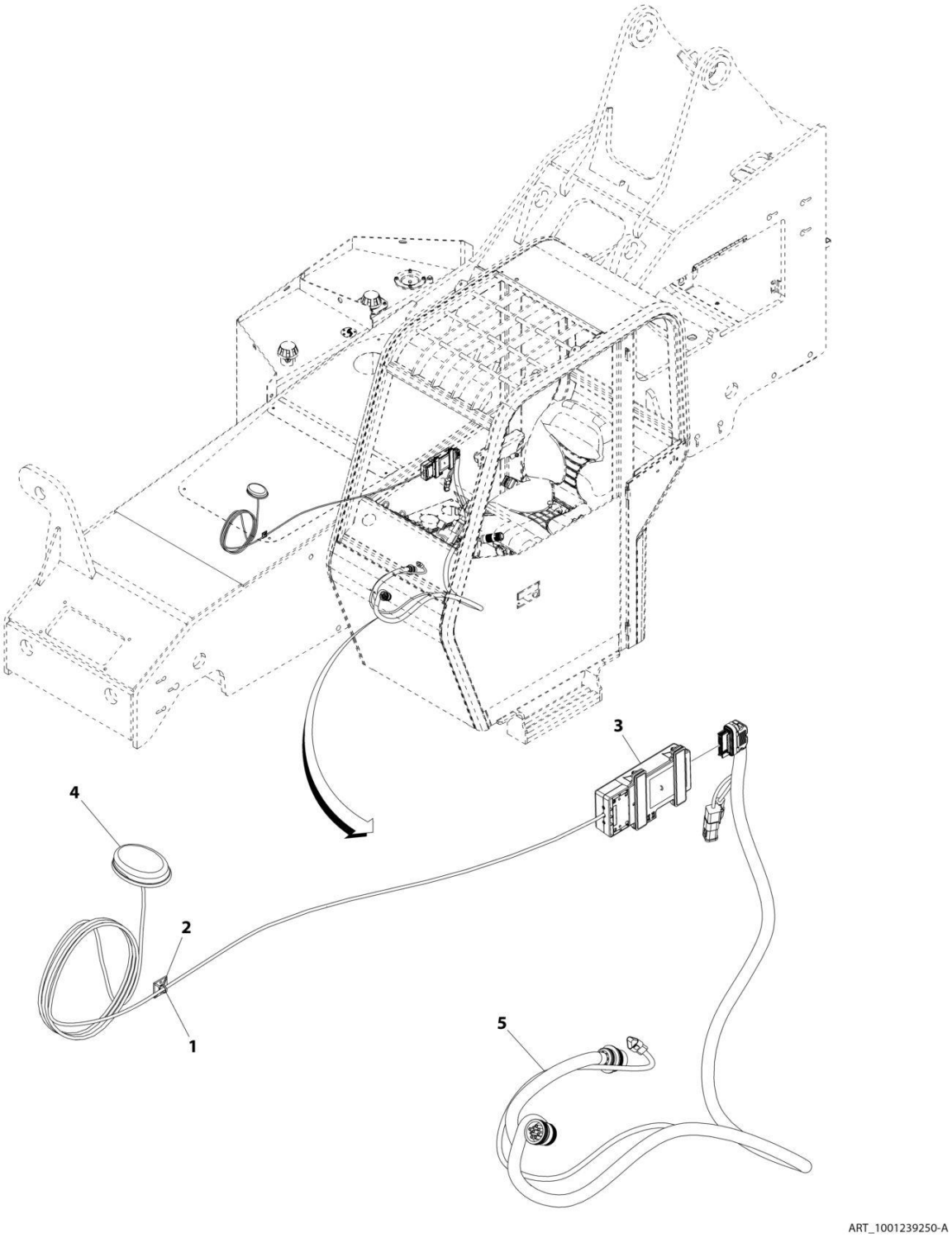


FIGURE 10-20. CLEARSKY INSTALLATION - CANBUS (CE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239250	Ref	Clearsky Installation (CE)	A
1	4240032	AR	Tie-Strap	
2	4460234	AR	Mount, Tie-Strap	
3	1001228954	1	Module	
4	1001226799	1	Antenna	
5	1001226856	1	Harness, Clearsky (See Separate Breakdown in this Section)	

FIGURE 10-21. CLEARSKY INSTALLATION - SMART FLEET (CLOSED CAB)

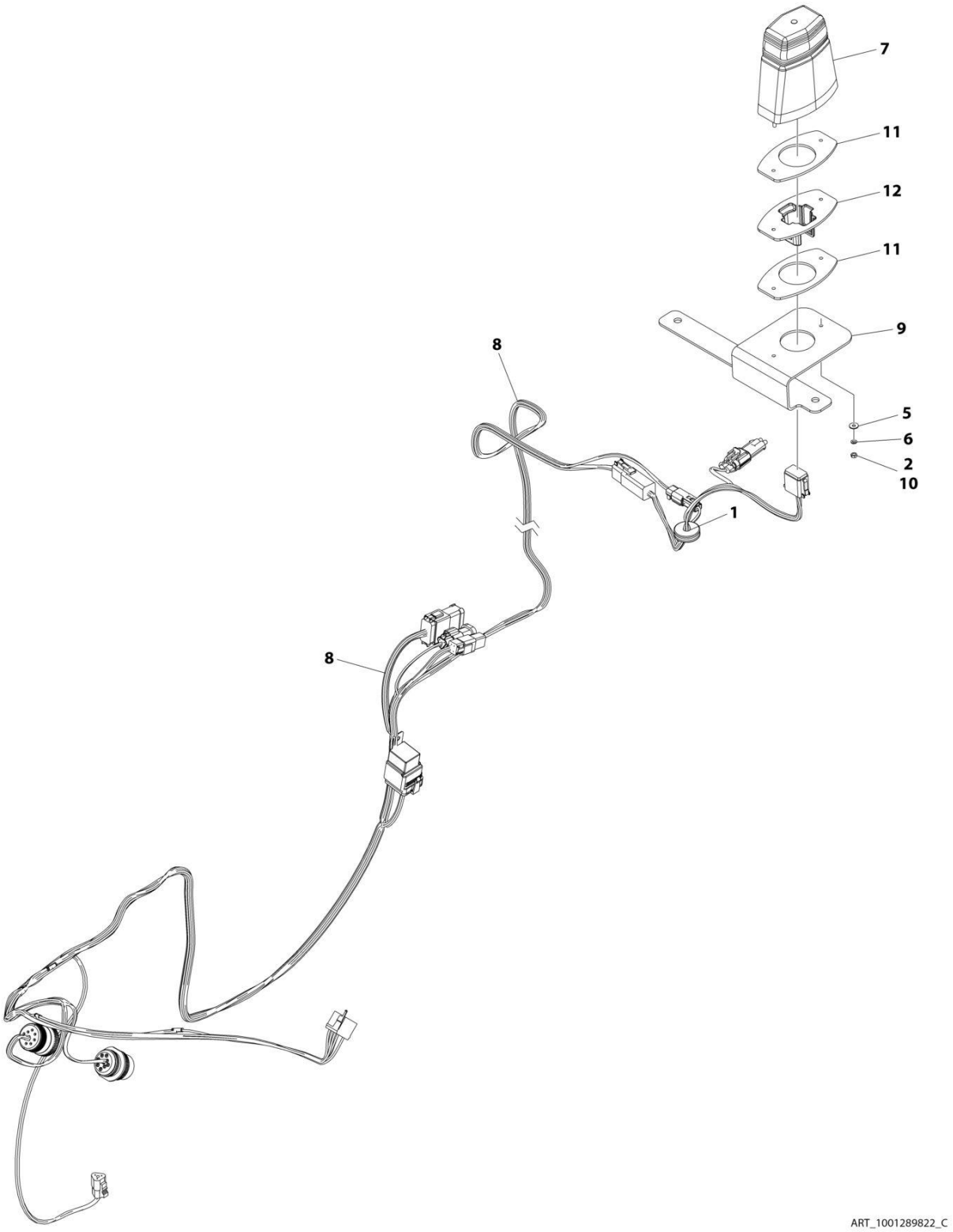


FIGURE 10-21. CLEARSKY INSTALLATION - SMART FLEET (CLOSED CAB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289822	Ref	CLEARSKY INSTALLATION	C
1	0100009	AR	Adhesive	
2	0100011	AR	Compound, Locking	
4	4240032	AR	Tie-Strap (Not Shown)	
5	1001091102	2	Washer M4	
6	4831400	2	Washer M4	
7	1001280661	1	Module, ClearSky	
8	1001288404	1	Harness, ClearSky (See Separate Breakdown in this Section)	
9	1001288820	1	Bracket, ClearSky Mounting	
10	3290401	2	Nut M4	
11	1001291056	2	Gasket	
12	1001289648	1	Mount	

FIGURE 10-22. CLEARSKY INSTALLATION - SMART FLEET (OPEN CAB)

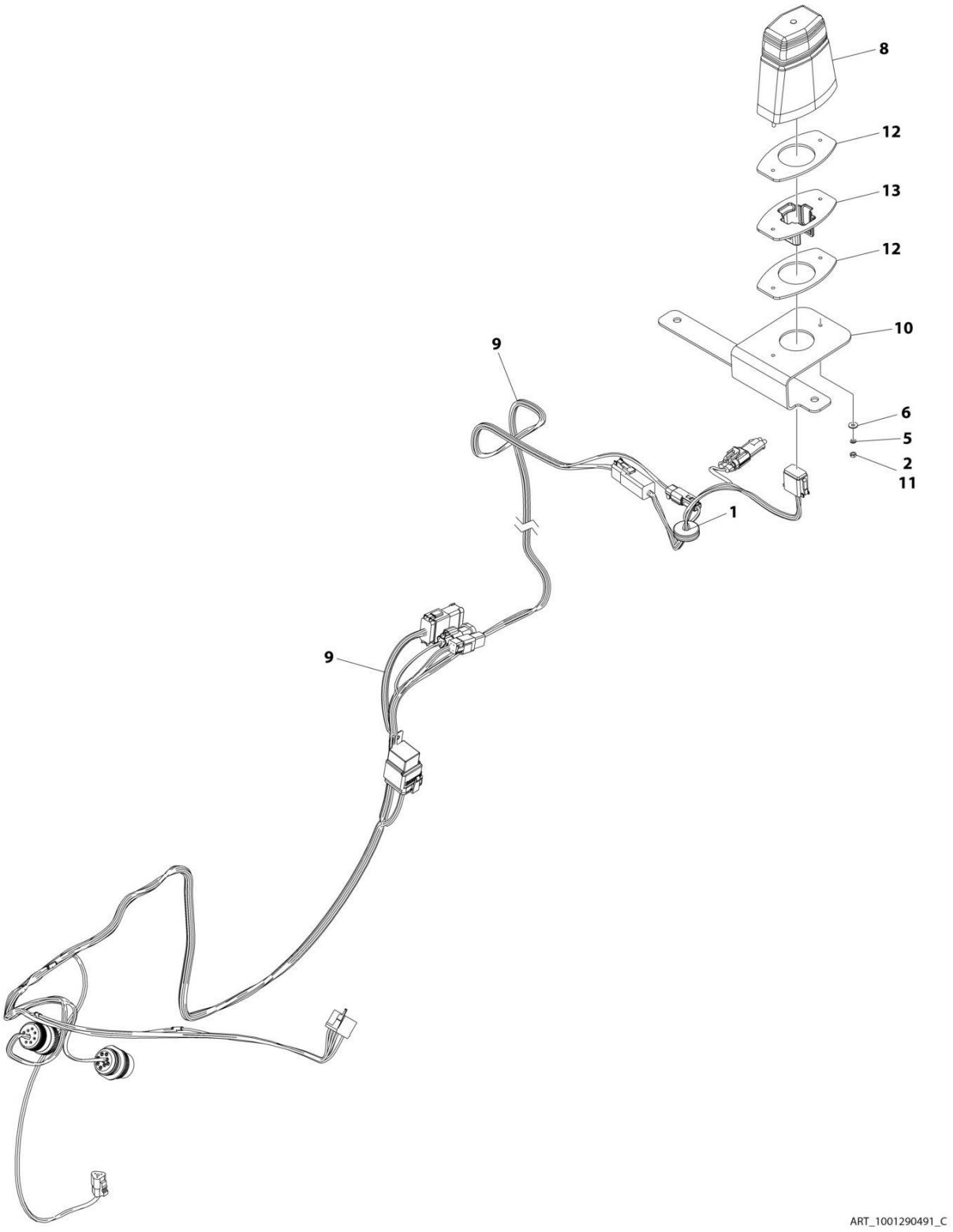


FIGURE 10-22. CLEARSKY INSTALLATION - SMART FLEET (OPEN CAB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290491	Ref	CLEARSKY INSTALLATION	C
1	0100009	AR	Adhesive	
2	0100011	AR	Compound, Locking	
4	4240032	AR	Tie-Strap (Not Shown)	
5	1001091102	2	Washer M4	
6	4831400	2	Washer, Lock M4	
8	1001280661	1	Module, ClearSky	
9	1001288404	1	Harness, ClearSky (See Separate Breakdown in this Section)	
10	1001288820	1	Bracket, ClearSky Mounting	
11	3290401	2	Nut M4	
12	1001291056	2	Gasket	
13	1001289648	1	Mount	

FIGURE 10-23. CLEARSKY HARNESS

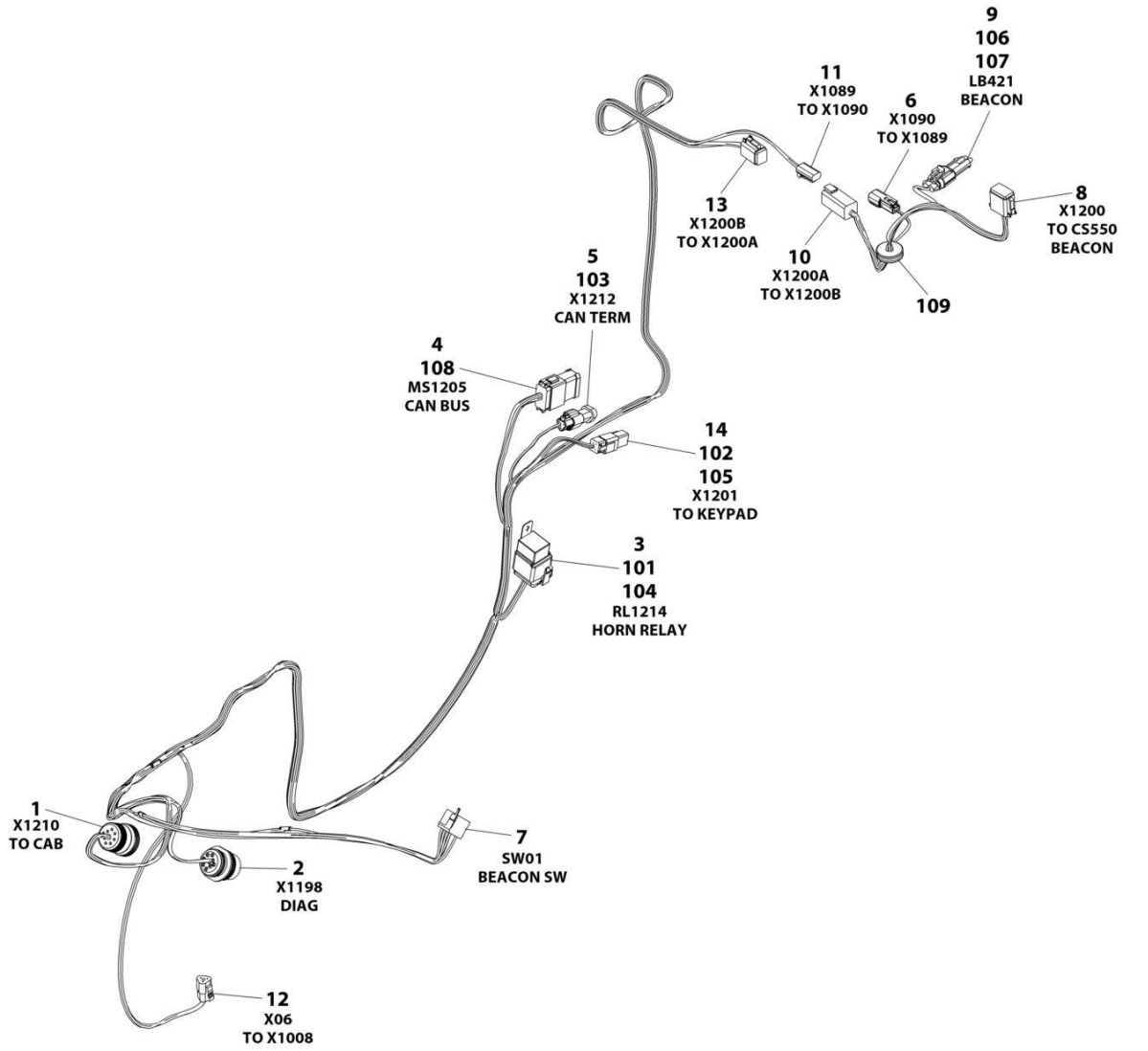


FIGURE 10-23. CLEARSKY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288404	Ref	CLEARSKY HARNESS	C
1	1001112796	1	Connector	
1	4460465	6	Socket	
1	4460466	3	Plug	
2	1001112612	1	Connector	
2	4460464	5	Pin	
2	4460466	4	Plug	
3	1001231398	1	Connector	
3	1001231400	4	Socket	
3	1001231404	4	Seal	
3	1001231406	1	Plug	
4	4460933	1	Connector	
4	4460465	10	Socket	
4	4460466	2	Plug	
5	1001116812	1	Connector	
5	4460465	2	Socket	
5	4460466	1	Plug	
6	4460897	1	Connector	
6	4460464	2	Pin	
7	8220904	1	Connector	
7	4460419	6	Socket	
8	4460930	1	Connector	
8	4460465	6	Socket	
8	4460466	2	Plug	
9	1001117021	1	Connector	
9	1001116728	2	Socket	
9	4460458	2	Seal	
10	4460899	1	Connector	
10	4460464	6	Pin	
11	4460891	1	Connector	
11	4460465	2	Socket	
12	4460539	1	Connector	
12	4460465	3	Socket	
13	4460894	1	Connector	
13	4460465	6	Socket	
14	4461077	1	Connector	
14	1001126008	4	Socket	
101	3740080	1	Relay	
102	4460518	4	Plug	
103	4461070	1	Connector	
104	1001008559	AR	Tie-Strap	
105	1001097051	1	Connector	
106	1001116727	2	Plug	
107	1001117026	1	Connector	
108	1001125677	1	Connector	
109	1001290427	1	Grommet	

FIGURE 10-24. CLEARSKY TELEMATICS HARNESS (CANBUS)

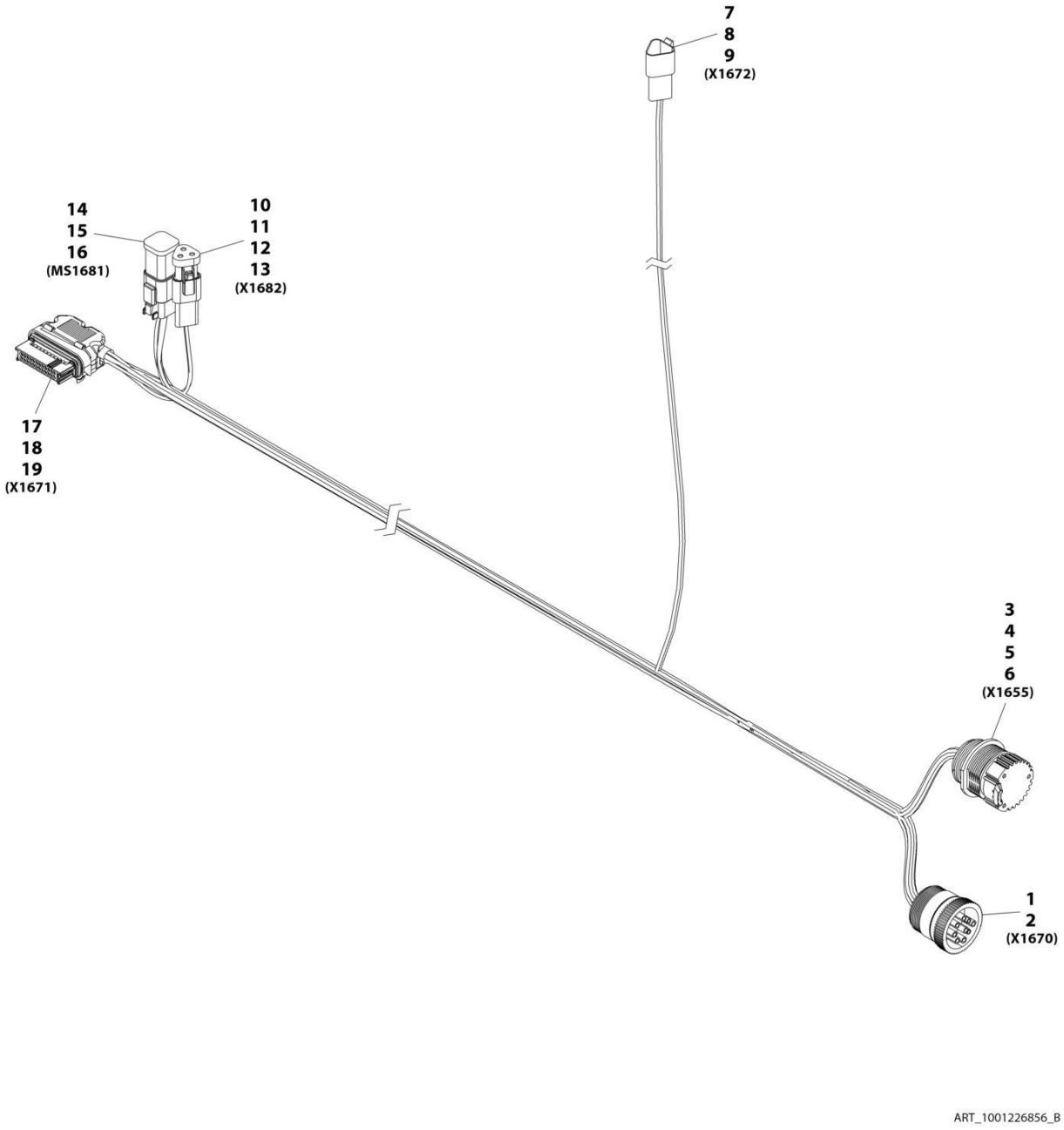


FIGURE 10-24. CLEARSKY TELEMATICS HARNESS (CANBUS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001226856	Ref	CLEARSKY TELEMATICS HARNESS	B
1	1001112796	1	Connector	
2	4460465	9	Terminal	
3	1001112612	1	Connector	
4	1001149712	1	Cap	
5	4460464	6	Terminal	
6	4460466	3	Plug	
7	1001144147	1	Connector	
8	4460464	2	Terminal	
9	4460466	1	Plug	
10	1001144147	1	Connector	
11	1001116815	1	Plug	
12	4460464	2	Terminal	
13	4460466	1	Plug	
14	4460894	1	Connector	
15	1001226541	1	Bussbar	
16	4460465	6	Terminal	
17	1001226636	1	Connector	
18	1001116731	16	Plug	
19	1001226637	8	Terminal	

FIGURE 10-25. CLEARSKYTELEMATICS GATEWAY HARNESS

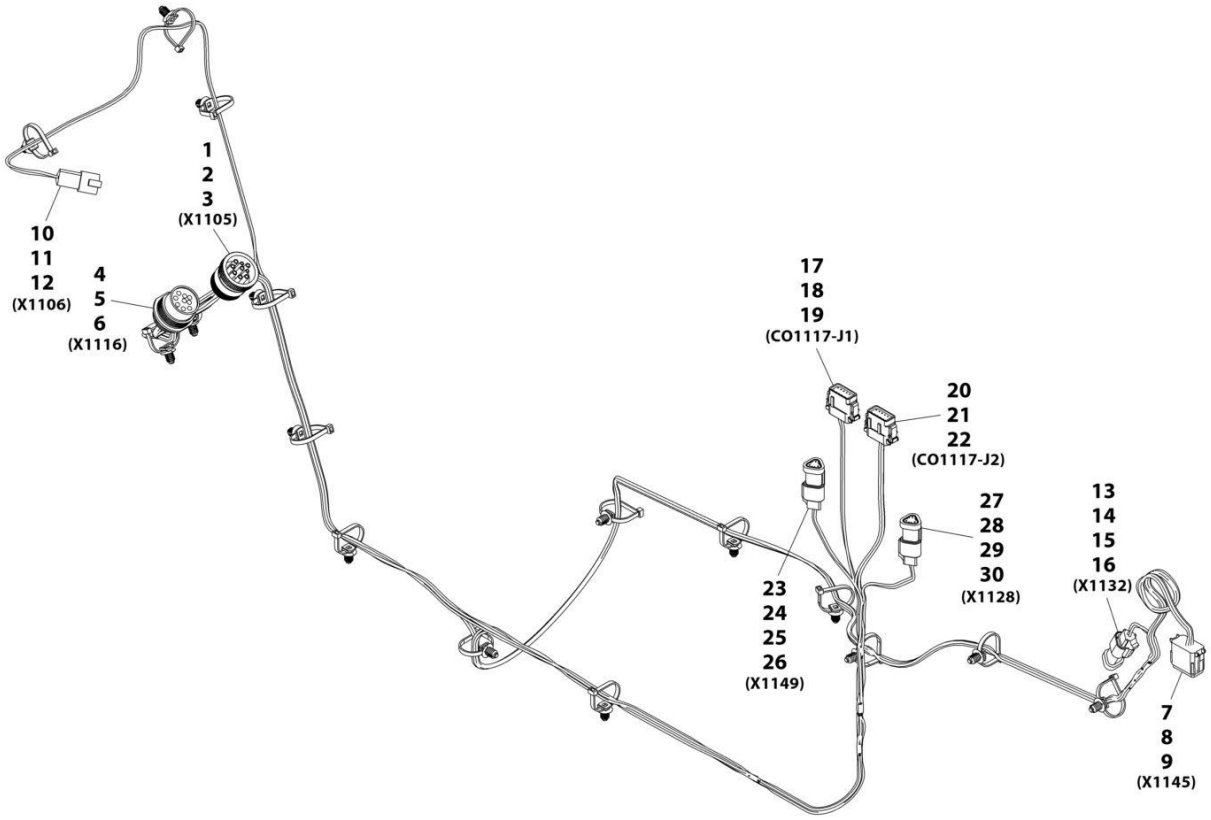


FIGURE 10-25. CLEARSKYTELEMATICS GATEWAY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219895	Ref	Telematics Gateway Harness	A
1	1001112796	1	Connector	
2	1001116692	6	Terminal	
3	4460466	3	Plug	
4	1001112612	1	Connector	
5	1001116693	6	Terminal	
6	4460466	3	Plug	
7	4460933	1	Connector	
8	1001116692	5	Terminal	
9	4460466	7	Plug	
10	1001144147	1	Connector	
11	4460464	2	Terminal	
12	4460466	1	Plug	
13	1001116812	1	Connector	
14	4461070	1	Terminal	
15	4460944	2	Terminal	
16	4460466	1	Plug	
17	1001116774	1	Connector	
18	4460518	8	Plug	
19	1001116694	4	Terminal	
20	1001116808	1	Connector	
21	4460518	10	Plug	
22	1001116694	2	Terminal	
23	1001116812	1	Connector	
24	4461070	1	Terminal	
25	4460944	2	Terminal	
26	4460466	1	Plug	
27	1001116812	1	Connector	
28	4461070	1	Terminal	
29	4460944	2	Terminal	
30	4460466	1	Plug	

FIGURE 10-26. CLEARSKY TELEMATICS GATEWAY PLUS INSTALLATION

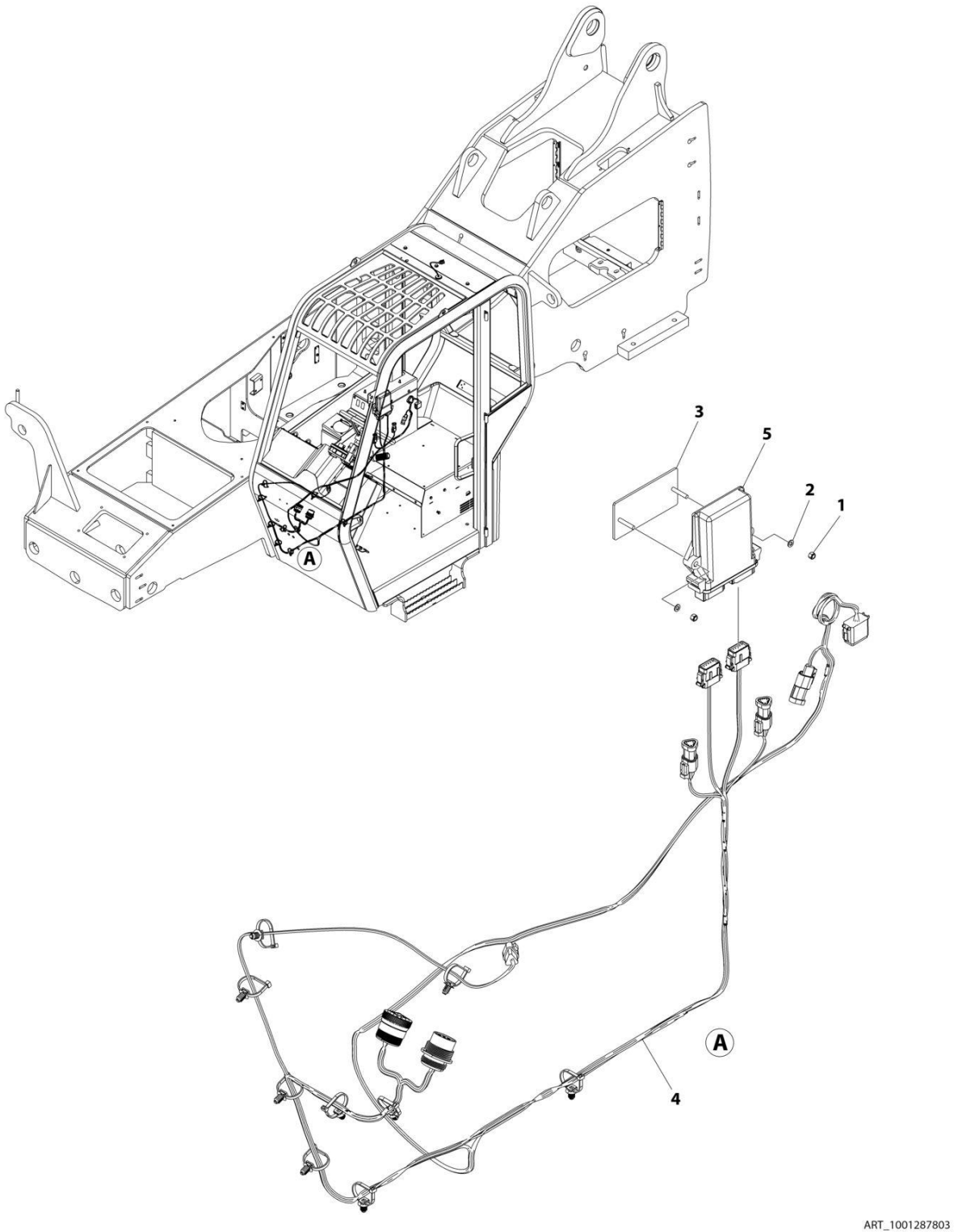


FIGURE 10-26. CLEARSKY TELEMATICS GATEWAY PLUS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287803	Ref	TELEMATICS GATEWAY PLUS	A
1	3290505	2	Nut M5	
2	4811600	2	Washer M5	
3	1001219082	1	Bracket, Control Mount	
4	1001219895	1	Telematics Gateway Harness (See Separate Breakdown in this Section)	
5	1001282260	1	Control, Gateway Plus	

FIGURE 10-27. CLEARSKY HARNESS - 3-WIRE

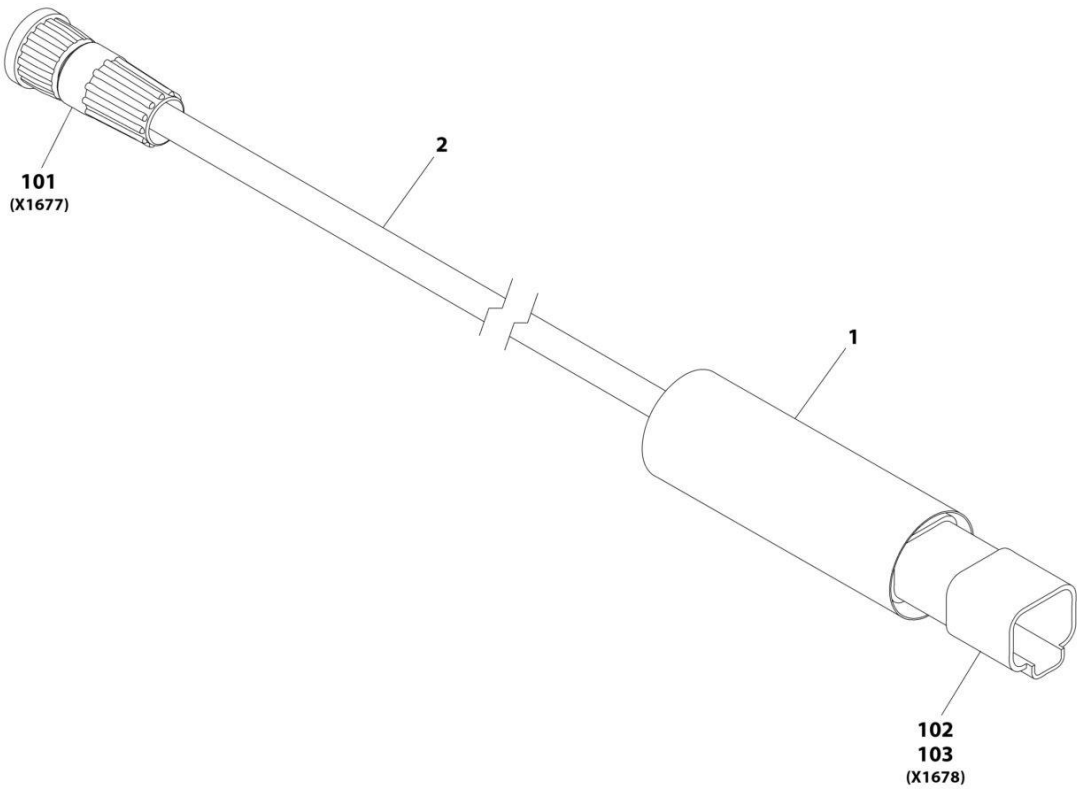


FIGURE 10-27. CLEARSKY HARNESS - 3-WIRE

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

FIGURE 10-28. CLEARSKY TELEMATICS 3-WIRE INSTALLATION

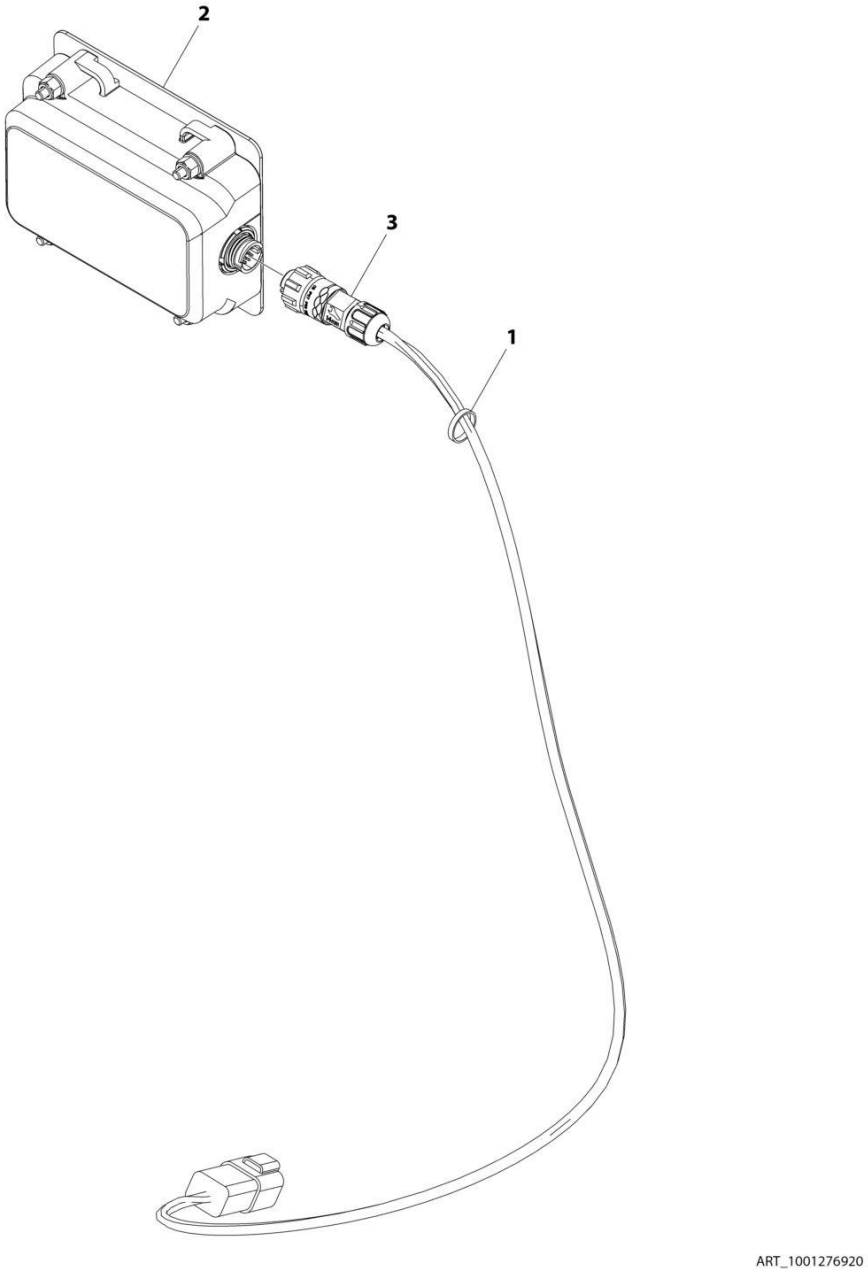


FIGURE 10-28. CLEARSKY TELEMATICS 3-WIRE INSTALLATION

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

FIGURE 10-29. CLEARSKY TELEMATICS 3-WIRE HARNESS

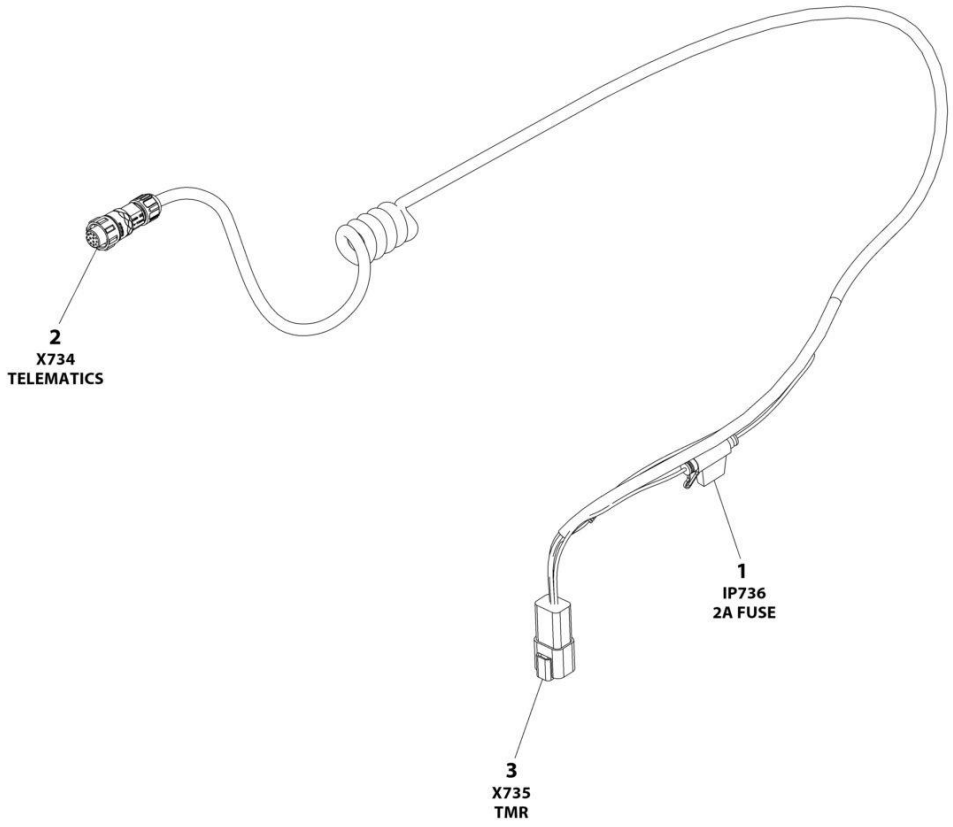


FIGURE 10-29. CLEARSKY TELEMATICS 3-WIRE HARNESS

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

FIGURE 10-30. COLD WEATHER PACKAGE (ULS)

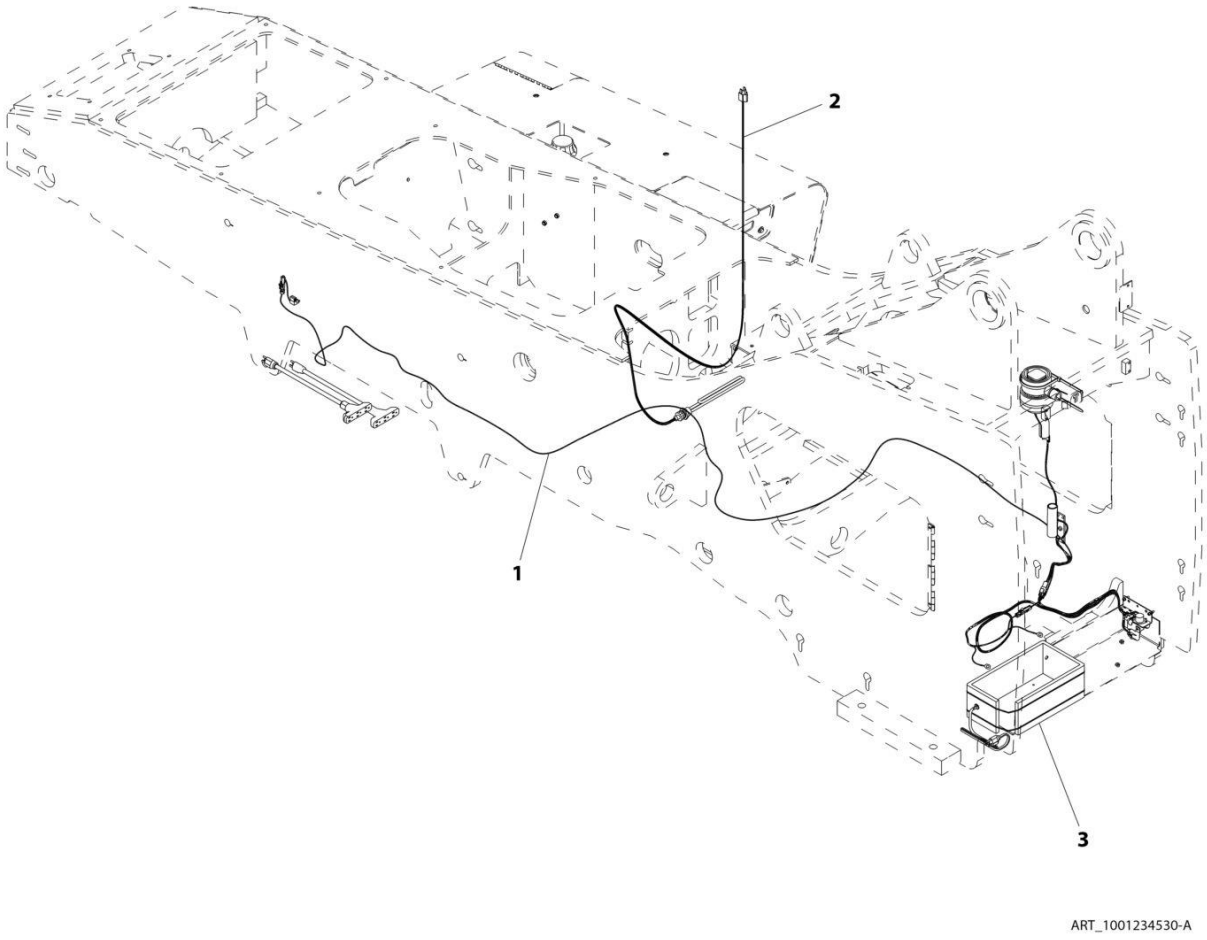


FIGURE 10-30. COLD WEATHER PACKAGE (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234530	Ref	Arctic Weather Package Installation (ULS)	A
1	1001232750	Ref	Heater, Breather (See Separate Breakdown in Engine And Attaching Parts Section)	
2	1001233964	Ref	Installation, Tank Heater (See Separate Breakdown in this Section)	
3	1001234216	Ref	Installation, Battery Blanket (See Separate Breakdown in this Section)	

FIGURE 10-31. COLD WEATHER PACKAGE (LS)

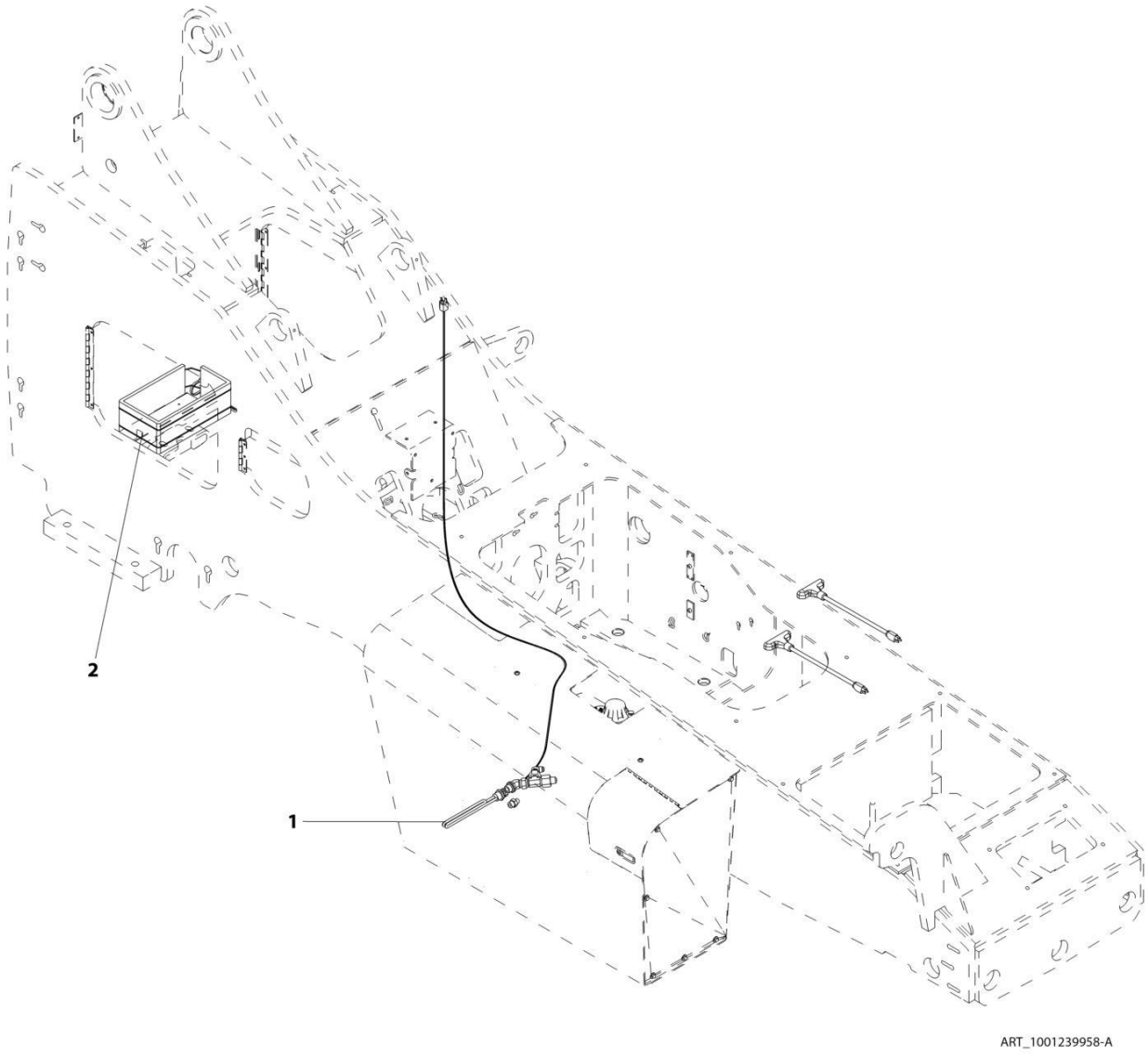
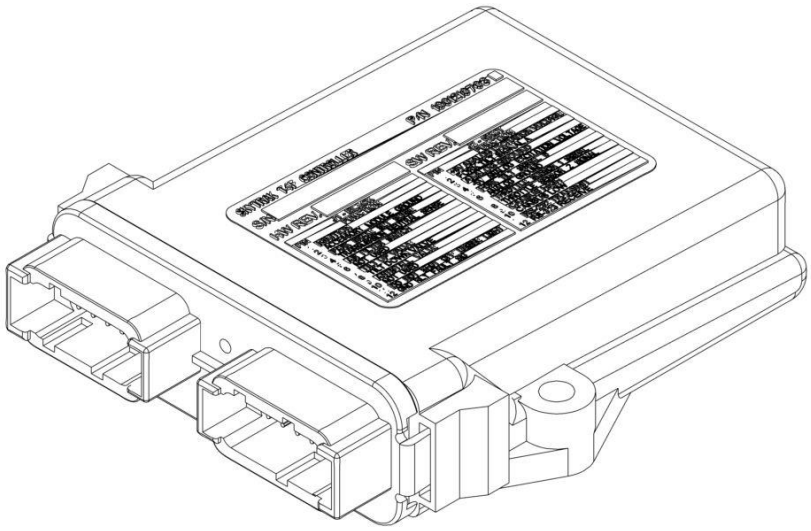


FIGURE 10-31. COLD WEATHER PACKAGE (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239958	Ref	Arctic Weather Package Installation (LS)	A
1	1001233964	Ref	Installation, Tank Heater (See Separate Breakdown in this Section)	
2	1001234216	Ref	Installation, Battery Blanket (See Separate Breakdown in this Section)	

FIGURE 10-32. CONTROLLER

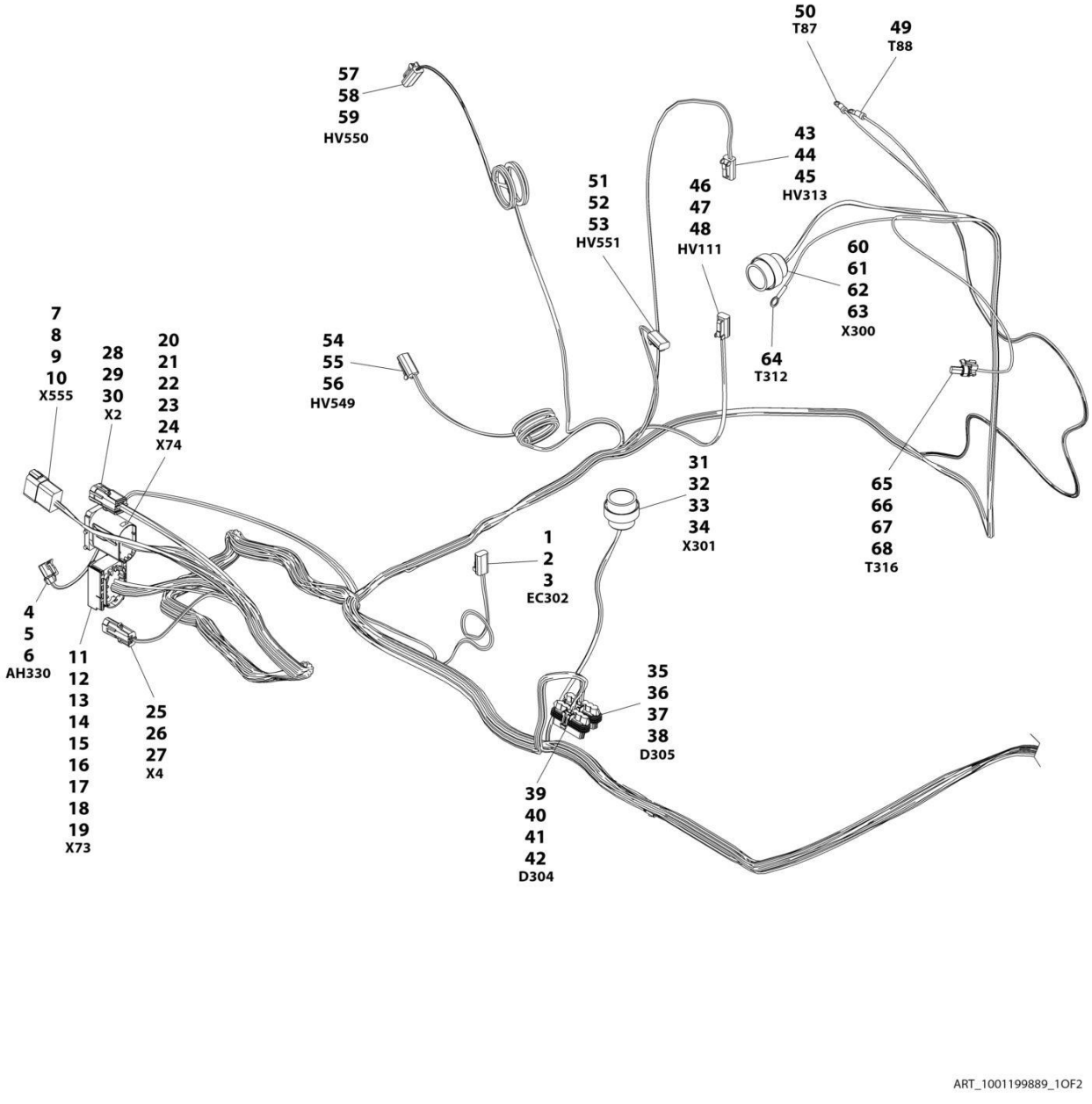


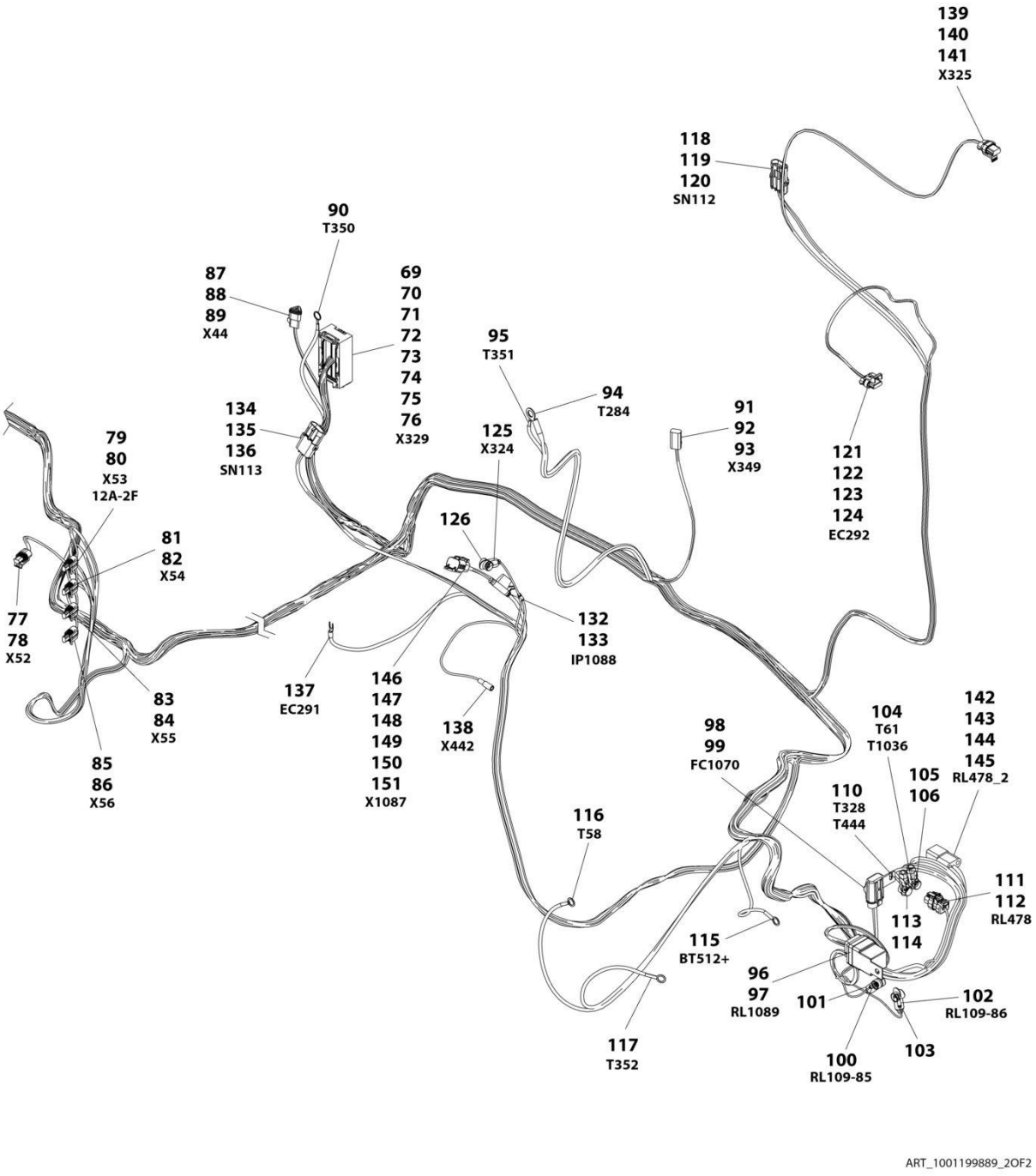
ART_1001292279

FIGURE 10-32. CONTROLLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001292279	Ref	Controller	A
	Note	1	No Service Parts Available	

FIGURE 10-33. ENGINE HARNESS (74HP)




139
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SN112
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T350
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X44
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75
76
X329
95
T351
94
T284
91
92
93
X349
134
135
136
SN113
125
X324
121
122
123
124
EC292
79
80
X53
12A-2F
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81
82
X54
77
78
X52
132
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IP1088
137
EC291
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150
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X1087
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X442
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84
X55
85
86
X56
98
99
FC1070
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T61
T1036
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143
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T328
T444
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T58
111
112
RL478
113
114
115
BT512+
96
97
RL1089
101
102
RL109-86
103
117
T352
100
RL109-85
ART_1001199889_2OF2

FIGURE 10-33. ENGINE HARNESS (74HP)

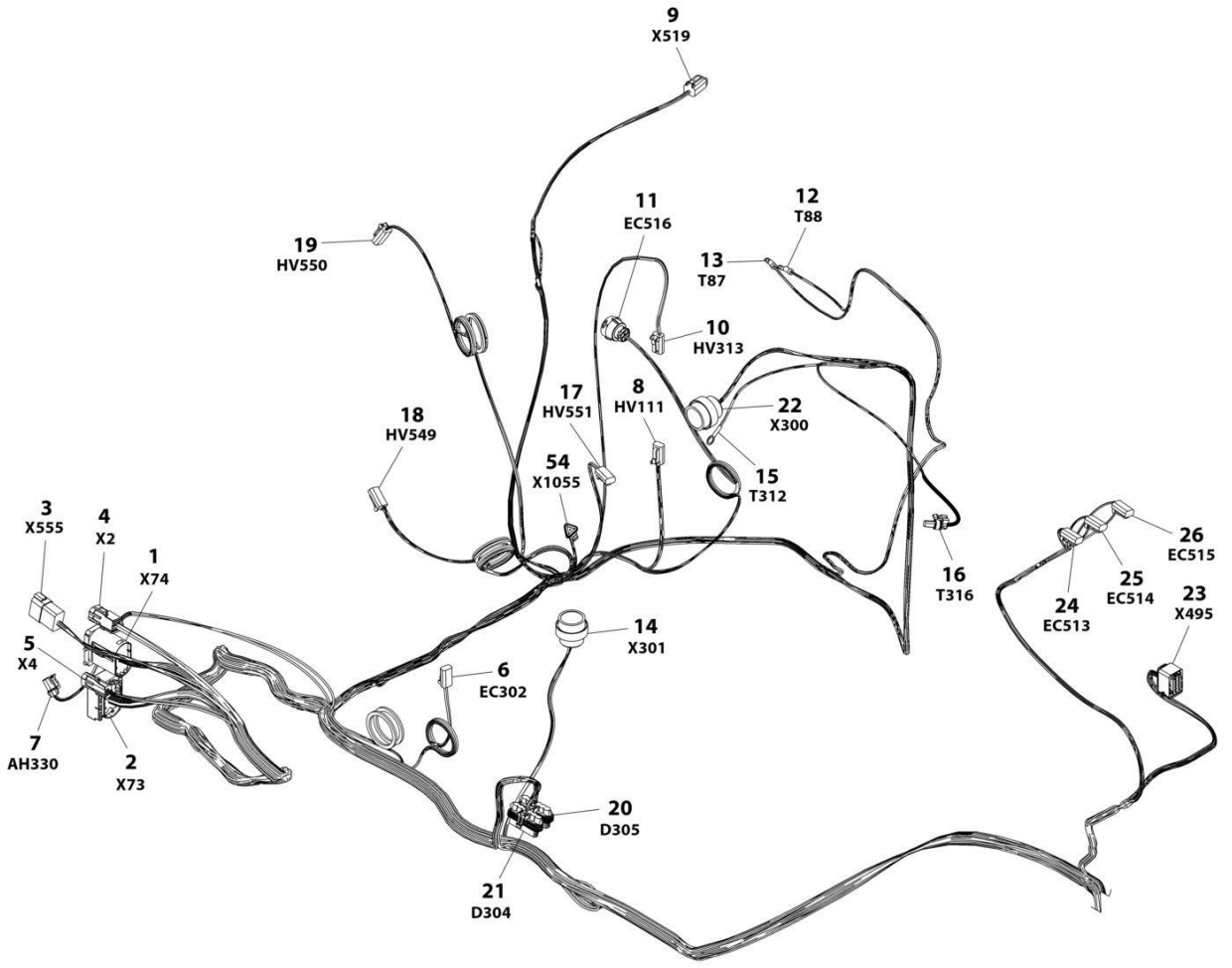
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001199889	Ref	ENGINE HARNESS 74HP (IF EQUIPPED FOR ULS)	I
1	4460891	1	Connector	
2	80604018	1	Lock, Wedge	
3	4460465	2	Terminal	
4	1001117068	1	Connector	
5	8220124	2	Terminal	
6	80963067	2	Seal	
6	4460608	2	Seal	
7	4460931	1	Connector	
8	91503106	1	Lock, Wedge	
9	4460464	4	Terminal	
10	4460466	4	Plug	
11	8220927	1	Connector	
12	70024256	1	Lock, Slide	
13	70024255	1	Seal, Connector	
14	70024254	1	Lock, Secondary	
15	8220097	10	Terminal	
16	4460458	10	Seal	
17	8220098	3	Terminal	
18	80963067	3	Seal	
19	1001116727	2	Plug	
20	8220929	1	Connector	
21	70024253	1	Lock, Secondary	
22	1001116745	1	Terminal	
23	1001116729	14	Terminal	
24	4460458	15	Seal	
25	4461157	1	Connector	
26	4460475	2	Terminal	
27	4460458	2	Seal	
28	80963062	1	Connector	
29	4460850	4	Terminal	
30	80963067	4	Seal	
31	8220536	1	Connector	
32	1001116758	12	Plug	
33	1001116757	4	Terminal	
34	1001189875	4	Seal	
35	4460744	1	Connector	
36	1001116728	4	Terminal	
37	1001116727	2	Plug	
38	8220081	4	Seal	
39	4460744	1	Connector	
40	1001116728	4	Terminal	
41	1001116727	2	Plug	
42	8220081	4	Seal	
43	4460891	1	Connector	
44	80604018	1	Lock, Wedge	
45	4460465	2	Terminal	
46	4460891	1	Connector	
47	80604018	1	Lock, Wedge	
48	4460465	2	Terminal	

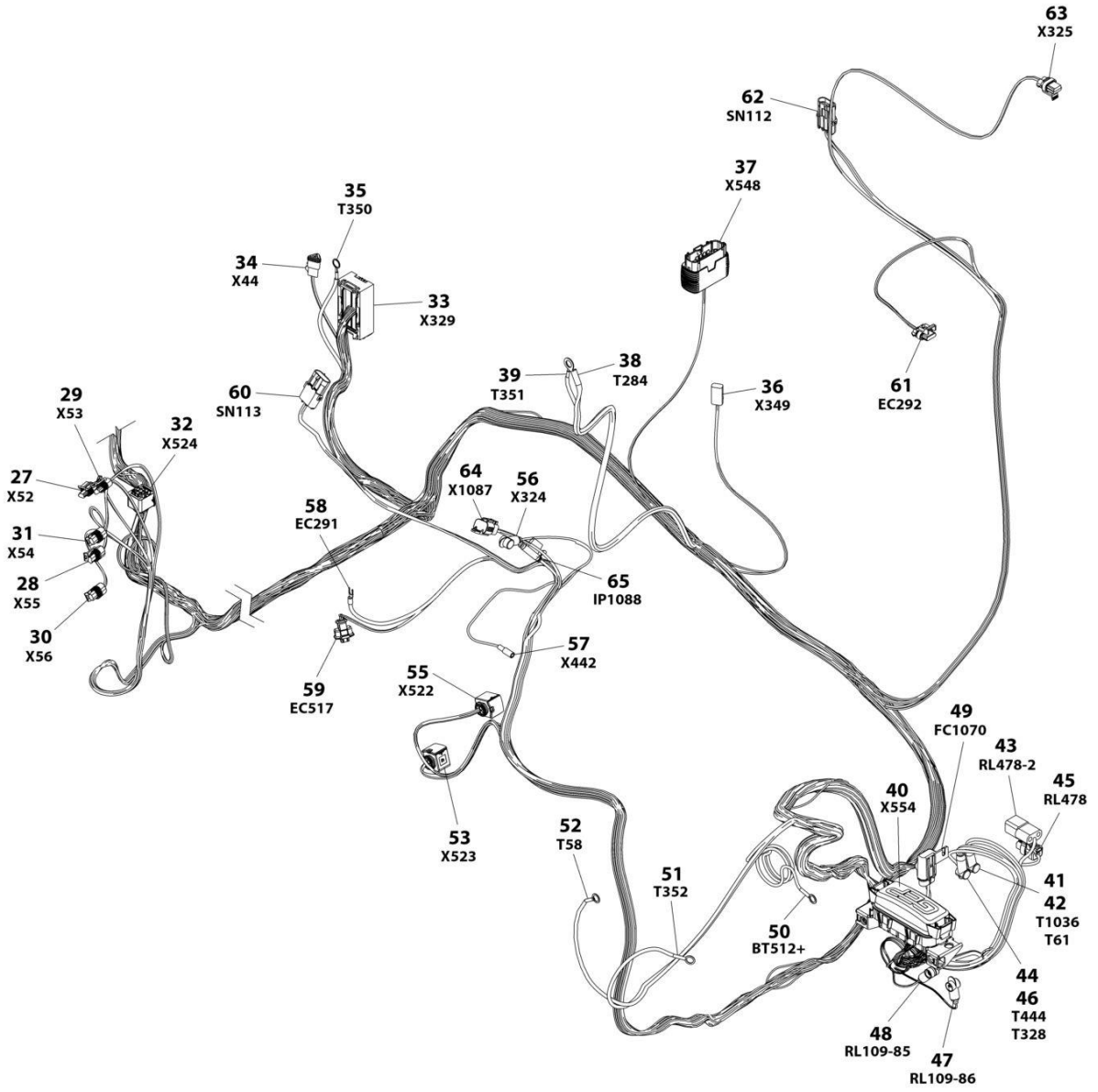
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	4460042	1	Terminal, Ring	
50	4460042	1	Terminal, Ring	
51	4460891	1	Connector	
52	80604018	1	Lock, Wedge	
53	4460465	2	Terminal	
54	4460891	1	Connector	
55	80604018	1	Lock, Wedge	
56	4460465	2	Terminal	
57	4460891	1	Connector	
58	80604018	1	Lock, Wedge	
59	4460465	2	Terminal	
60	8220536	1	Connector	
61	1001116757	4	Terminal	
62	1001116758	12	Plug	
63	1001189875	4	Seal	
64	4460256	1	Terminal, Ring	
65	1001119004	1	Connector	
66	8220889	1	Lock, Secondary	
67	1001116728	1	Terminal	
68	4460458	1	Seal	
69	1001167641	1	Connector	
70	1001167643	1	Cover	
71	1001167644	1	Lock, Secondary	
72	1001167646	1	Lock, Secondary	
73	1001167647	1	Boot, Rubber	
74	1001167648	10	Terminal	
75	1001167650	75	Plug	
76	1001167649	11	Terminal	
77	4460955	1	Connector	
78	1001116748	2	Terminal	
79	4460955	1	Connector	
80	1001116748	2	Terminal	
81	4460955	1	Connector	
82	1001116748	2	Terminal	
83	4460955	1	Connector	
84	1001116748	2	Terminal	
85	4460955	1	Connector	
86	1001116748	2	Terminal	
87	4461095	1	Connector	
88	4460465	2	Terminal	
89	4460466	1	Plug	
90	4460019	1	Terminal, Ring	
91	4460891	1	Connector	
92	80604018	1	Lock, Wedge	
93	4460465	2	Terminal	
94	8220164	2	Terminal, Ring	
95	4460019	1	Terminal, Ring	
96	1001145707	1	Connector	
97	1001116732	4	Terminal	
98	1001117070	1	Connector	
99	1001116734	2	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
100	4460247	1	Terminal, Ring	
101	1001195057	1	Red Boot	
102	4460247	1	Terminal, Ring	
103	1001195055	1	Red Boot	
104	4460312	1	Terminal, Ring	
105	4460312	1	Terminal, Ring	
106	1001195087	1	Red Boot	
110	4460312	1	Terminal, Ring	
111	1001116950	1	Connector	
112	4460465	2	Terminal	
113	4460312	2	Terminal, Ring	
114	1001195087	1	Red Boot	
115	4460019	1	Terminal, Ring	
115	4460312	1	Terminal, Ring	
116	4460019	1	Terminal, Ring	
117	4460019	1	Terminal, Ring	
118	4460476	1	Connector	
119	4460475	3	Terminal	
120	4460458	3	Seal	
121	1001125027	1	Connector	
122	70026217	1	Lock, Secondary	
123	8220124	3	Terminal	
124	4460608	3	Seal	
125	8220058	1	Terminal, Ring	
126	1001195055	1	Red Boot	
132	2400060	1	Fuse Holder	
133	8229242	1	Fuse 5A	
134	4460476	1	Connector	
135	4460475	3	Terminal	
136	4460458	3	Seal	
137	1001117111	1	Terminal, Fork	
138	1001117125	1	Terminal, Snap Plug	
138	1001246391	1	Terminal, Snap Plug	
139	1001117021	1	Connector	
140	1001116728	2	Terminal	
141	8220081	2	Seal	
142	1001117103	1	Connector	
143	7026404	1	Lock, Connector	
144	1001121730	2	Terminal	
145	8220160	2	Seal	
146	4460884	1	Connector	
147	80604021	1	Lock, Wedge	
148	1001157890	1	Terminal	
149	1001116692	2	Terminal	
150	4460466	1	Plug	
151	1001192401	1	Dust Cap	

FIGURE 10-34. ENGINE HARNESS (110HP ULS)




63
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X329
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T351
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T284
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X349
61
EC292
60
SN113
29
X53
32
X524
27
X52
64
X1087
56
X324
58
EC291
31
X54
28
X55
30
X56
65
IP1088
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X442
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EC517
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X522
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X523
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T58
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T352
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BT512+
49
FC1070
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RL478-2
45
RL478
40
X554
41
42
T1036
T61
44
46
T444
T328
48
RL109-85
47
RL109-86
ART_1001169620_2OF2

FIGURE 10-34. ENGINE HARNESS (110HP ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169620	Ref	ENGINE HARNESS	O
1	8220929	1	Connector	
	70024253	1	Lock, Secondary	
	1001116745	1	Terminal	
	4460458	14	Seal	
	1001116729	13	Terminal	
	1001116727	1	Plug	
2	8220927	1	Connector	
	70024256	1	Lock, Slide	
	70024255	1	Seal, Connector	
	70024254	1	Lock, Secondary	
	8220097	11	Terminal	
	4460458	11	Seal	
	8220098	3	Terminal	
	80963067	3	Seal	
	1001116727	1	Plug	
3	4460931	1	Connector	
	80604024	1	Lock, Wedge	
	4460464	6	Terminal	
	4460466	2	Plug	
4	80963062	1	Connector	
	4460850	4	Terminal	
	80963067	4	Seal	
5	4461157	1	Connector	
	4460475	2	Terminal	
	4460458	2	Seal	
6	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
7	1001117068	1	Connector	
	8220124	2	Terminal	
	80963067	2	Seal	
	4460608	2	Seal	
8	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
9	4460884	1	Connector	
	80604021	1	Lock, Wedge	
	4460465	4	Terminal	
10	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
	4460458	2	Seal	
11	1001167620	1	Connector	
	1001176004	2	Terminal	
	1001167624	2	Plug	
	1001176002	2	Seal	
12	4460042	1	Terminal, Ring	
13	4460042	1	Terminal, Ring	
14	8220536	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001116757	12	Terminal	
	1001116758	3	Plug	
	1001189875	4	Seal	
15	4460256	1	Terminal, Ring	
16	1001119004	1	Connector	
	8220889	1	Lock, Secondary Terminal	
	1001116728	1	Terminal	
	4460458	1	Seal	
17	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
18	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
19	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
20	4460744	1	Connector	
	1001116728	4	Terminal	
	8220081	4	Seal	
	4460458	4	Seal	
	8220375	1	CAP,EXTENDED CLEAR VES-PAC	
	8220366	1	Diode Board Flyback	
	1001116727	2	Plug	
21	4460744	1	Connector	
	1001116728	4	Terminal	
	8220081	4	Seal	
	4460458	4	Seal	
	1001116727	2	Plug	
	8220366	1	Diode Board Flyback	
	8220375	1	CAP,EXTENDED CLEAR VES-PAC	
22	8220536	1	Connector	
	1001116757	4	Terminal	
	1001116758	12	Plug	
	1001189875	4	Seal	
23	1001165194	1	Connector	
	1001166556	10	Terminal	
	1001126391	2	Terminal	
	1001126393	10	Seal	
24	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
25	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
26	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
27	4460955	1	Connector	
	1001116748	2	Terminal	
28	4460955	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001116748	2	Terminal	
29	4460955	1	Connector	
	1001116748	2	Terminal	
30	4460955	1	Connector	
	1001116748	2	Terminal	
31	4460955	1	Connector	
	1001116748	2	Terminal	
32	1001176935	1	Connector	
	1001166704	4	Terminal	
	4461006	4	Seal	
33	1001167641	1	Connector	
	1001167643	1	Cover	
	1001167644	1	Lock, Secondary	
	1001167646	1	Relief, Strain	
	1001167647	1	Boot, Rubber	
	1001167648	12	Terminal	
	1001167650	54	Plug	
	1001167649	30	Terminal	
34	4461095	1	Connector	
	4461070	1	Attach Mating Connector	
	4460465	2	Terminal	
	4460466	1	Terminal	
35	4460019	1	Terminal, Ring	
36	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
37	1001125083	1	Connector	
	1001125085	1	Terminal	
	1001125089	1	Terminal	
38	8220164	2	Terminal, Ring	
39	4460019	1	Terminal, Ring	
40	1001167617	1	Connector	
	4460746	22	Terminal	
	1001116727	24	Plug	
	1001189877	2	Seal	
	8220089	1	Seal	
	4460458	19	Seal	
	8220125	2	Terminal	
	80963067	2	Seal	
	1001187512	1	Decal	
	1001187513	1	Decal	
	1001095704	5	Relay	
	8229244	2	Fuse, 15 Amp	
41	4460312	2	Terminal, Ring	
	1001195087	1	Red Boot	
42	4460312	1	Terminal, Ring	
43	1001117103	1	Connector	
	7026404	1	Lock, Connector	
	1001121730	2	Terminal	
	8220160	2	Seal	
44	4460312	1	Terminal, Ring	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001116950	1	Connector	
	4460465	2	Terminal	
	1001118390	2	Terminal	
46	4460312	2	Terminal, Ring	
	1001195087	1	Red Boot	
47	4460247	1	Terminal, Ring	
	1001195055	1	Red Boot	
48	4460247	1	Terminal, Ring	
	1001195087	1	Black Boot	
49	1001117070	1	Connector	
	1001116734	2	Terminal	
50	4460312	1	Terminal, Ring	
	4460019	1	Terminal, Ring	
51	4460019	1	Terminal, Ring	
52	4460019	1	Terminal, Ring	
53	1001176935	1	Connector	
	1001166704	4	Terminal	
	4461006	4	Seal	
54	4461095	1	Connector	
	4461070	1	Attach Mating Connector	
	4460465	2	Terminal	
	4460466	1	Plug	
55	1001167528	1	Connector	
	1001166704	4	Terminal	
	4461006	4	Seal	
56	8220058	1	Terminal, Ring	
	1001195055	1	Red Boot	
57	1001117125	1	Terminal, Snap Plug	
	1001246391	1	Terminal, Snap Plug	
58	1001117111	1	Terminal, Fork	
59	1001126487	1	Connector	
	1001126484	2	Terminal	
	4461006	2	Seal	
60	4460476	1	Connector	
	4460475	3	Terminal	
	4460458	3	Seal	
61	1001125027	1	Connector	
	70026217	1	Lock, Secondary	
	8220124	3	Terminal	
	4460608	3	Seal	
	1001237778	3	Seal	
62	4460476	1	Connector	
	4460475	3	Terminal	
	4460458	3	Seal	
63	1001117021	1	Connector	
	1001116728	2	Terminal	
	8220081	2	Seal	
64	4460884	1	Connector	
	1001192401	1	Dust Cap	
	1001157890	1	Terminal	
	1001116692	2	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4460466	1	Plug	
65	2400066	1	Connector	
	2400060	1	Fuseholder	
	8229242	1	Fuse, 5 Amp	

FIGURE 10-35. ENGINE HARNESS (110HP LS)

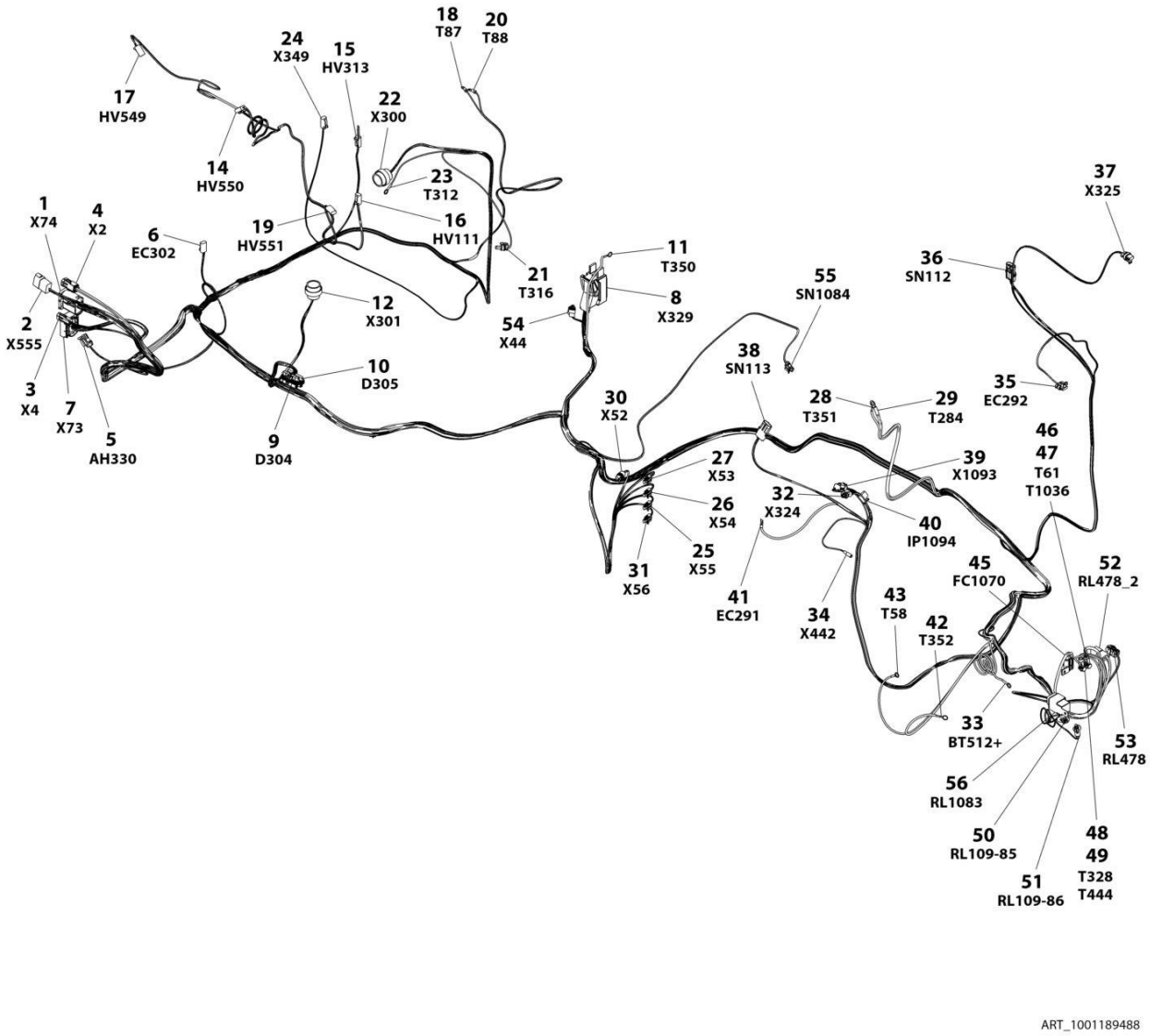


FIGURE 10-35. ENGINE HARNESS (110HP LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189488	Ref	ENGINE HARNESS	K
1	8220929	1	Connector	
	1001116745	1	Terminal	
	1001116729	14	Terminal	
	4460458	15	Seal	
2	4460931	1	Connector	
	80604024	1	Lock, Wedge	
	4460464	4	Terminal	
	4460466	4	Plug	
3	4461157	1	Connector	
	4460475	2	Terminal	
	4460458	2	Seal	
4	80963062	1	Connector	
	4460850	4	Terminal	
	80963067	4	Seal	
5	1001117068	1	Connector	
	8220124	2	Terminal	
	80963067	2	Seal	
6	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
7	8220927	1	Connector	
	8220097	12	Terminal	
	8220098	2	Terminal	
	1001116727	1	Plug	
	4460458	11	Seal	
	80963067	2	Seal	
	1001189877	1	Seal	
8	1001133173	1	Connector	
	1001138643	6	Terminal	
	1001126356	77	Terminal	
	1001138642	8	Terminal	
	1001126351	3	Terminal	
	1001126353	6	Seal	
9	4460744	1	Connector	
	1001116728	4	Terminal	
	1001116727	2	Plug	
	8220081	4	Seal	
10	4460744	1	Connector	
	1001116728	4	Terminal	
	1001116727	2	Plug	
	8220081	4	Seal	
11	4460019	1	Terminal, Ring	
12	8220536	1	Connector	
	1001116758	12	Plug	
	1001116757	4	Terminal	
	1001189875	4	Seal	
14	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
15	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
16	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
17	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
18	4460042	1	Terminal, Ring	
19	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
20	4460042	1	Terminal, Ring	
21	1001119004	1	Connector	
	1001116728	1	Terminal	
	4460458	1	Seal	
22	8220536	1	Connector	
	1001116757	4	Terminal	
	1001116758	12	Plug	
	1001189875	4	Seal	
23	4460256	1	Terminal, Ring	
24	4460891	1	Connector	
	80604018	1	Lock, Wedge	
	4460465	2	Terminal	
25	4460955	1	Connector	
	1001116748	2	Terminal	
26	4460955	1	Connector	
	1001116748	2	Terminal	
27	4460955	1	Connector	
	1001116748	2	Terminal	
28	4460019	1	Terminal, Ring	
29	8220164	1	Terminal, Ring	
30	4460955	1	Connector	
	1001116748	2	Terminal	
31	4460955	1	Connector	
	1001116748	2	Terminal	
32	8220058	1	Terminal, Ring	
33	4460019	1	Terminal, Ring	
34	1001117125	1	Terminal, Snap Plug	
35	1001125027	1	Connector	
	8220124	3	Terminal	
	4460608	3	Seal	
36	4460476	1	Connector	
	4460475	3	Terminal	
	4460458	3	Seal	
37	1001117021	1	Connector	
	1001116728	2	Terminal	
	8220081	2	Seal	
38	4460476	1	Connector	
	4460475	3	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4460458	3	Seal	
39	4460884	1	Connector	
	80604021	1	Lock, Wedge	
	4460465	3	Terminal	
	4460466	1	Plug	
	1001192401	1	Dust Cap	
40	2400060	1	Fuse Holder	
41	4460142	1	Connector	
	1001117111	1	Terminal	
42	4460019	1	Terminal, Ring	
43	4460019	1	Terminal, Ring	
45	1001117070	1	Connector	
	1001116734	2	Terminal	
46	4460312	1	Terminal, Ring	
	1001195087	1	Red Boot	
47	4460312	2	Terminal, Ring	
48	4460312	2	Terminal, Ring	
	1001195087	1	Red Boot	
49	4460312	1	Terminal, Ring	
50	4460247	1	Terminal, Ring	
	1001195057	1	Black Boot	
51	4460247	1	Terminal, Ring	
	1001195055	1	Red Boot	
52	1001117103	1	Connector	
	1001121730	2	Terminal	
53	1001116950	1	Connector	
	4460465	2	Terminal	
54	4461095	1	Plug	
	4461070	1	Connector	
	4460465	2	Terminal	
	4460466	1	Terminal	
55	1001209097	1	Connector	
	8220124	2	Terminal	
56	1001145707	1	Connector	
	1001116732	4	Terminal	

FIGURE 10-36. HVAC HARNESS

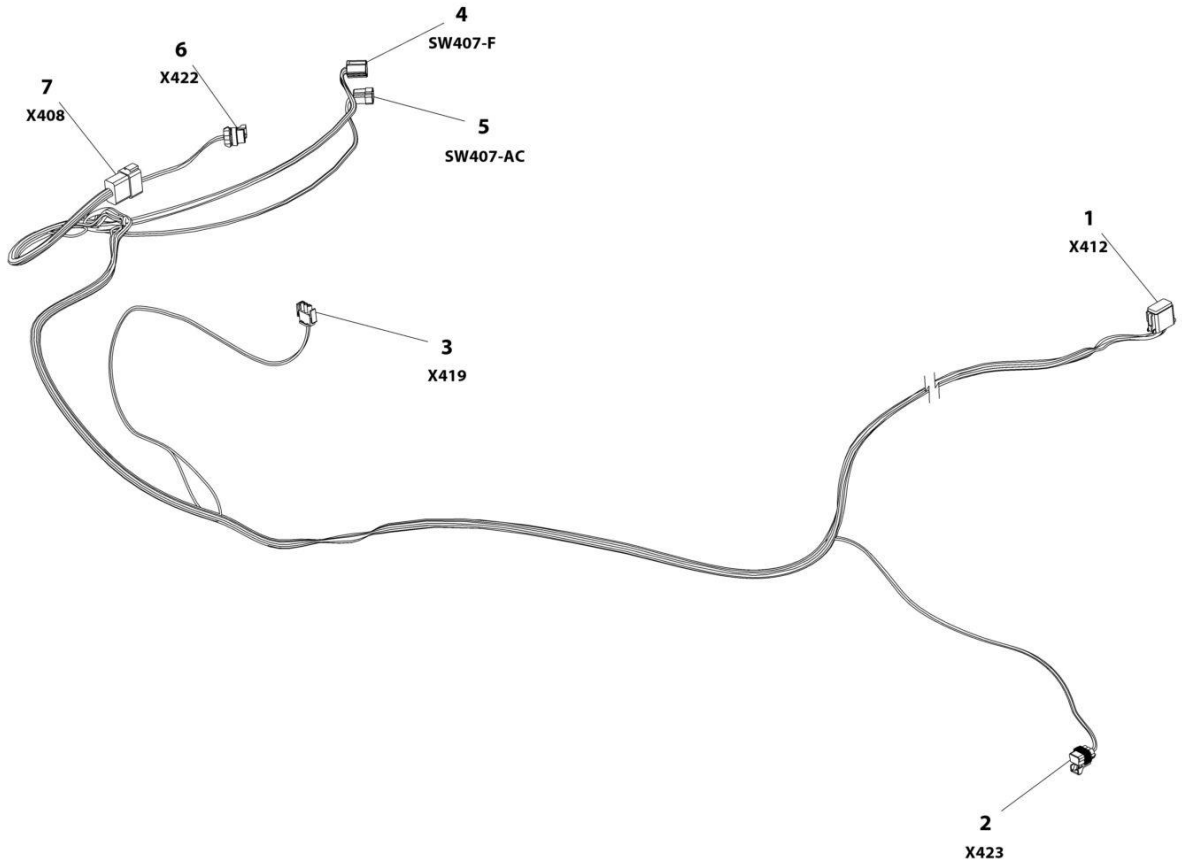


FIGURE 10-36. HVAC HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178347	Ref	HVAC Harness	E
1	4460933	1	Connector	
	80604016	1	Lock, Wedge	
	4460942	9	Terminal	
	4460465	2	Terminal	
	4460466	1	Terminal	
2	8220895	1	Connector	
	70026216	1	Lock, Secondary	
	8220124	3	Terminal	
	1001116751	3	Terminal, Plug	
3	4460326	1	Connector	
	4460268	2	Terminal	
4	1001117080	1	Connector	
	1001116723	5	Terminal	
5	1001117059	1	Connector	
	1001116736	3	Terminal	
6	1001125027	1	Connector	
	70026217	1	Lock, Secondary	
	8220124	3	Terminal	
7	4460950	1	Connector	
	80363179	1	Lock, Wedge	
	1001157891	5	Terminal	
	4460464	6	Terminal	
	4460466	1	Terminal	

FIGURE 10-37. BEACON INSTALLATION (OPEN CAB)

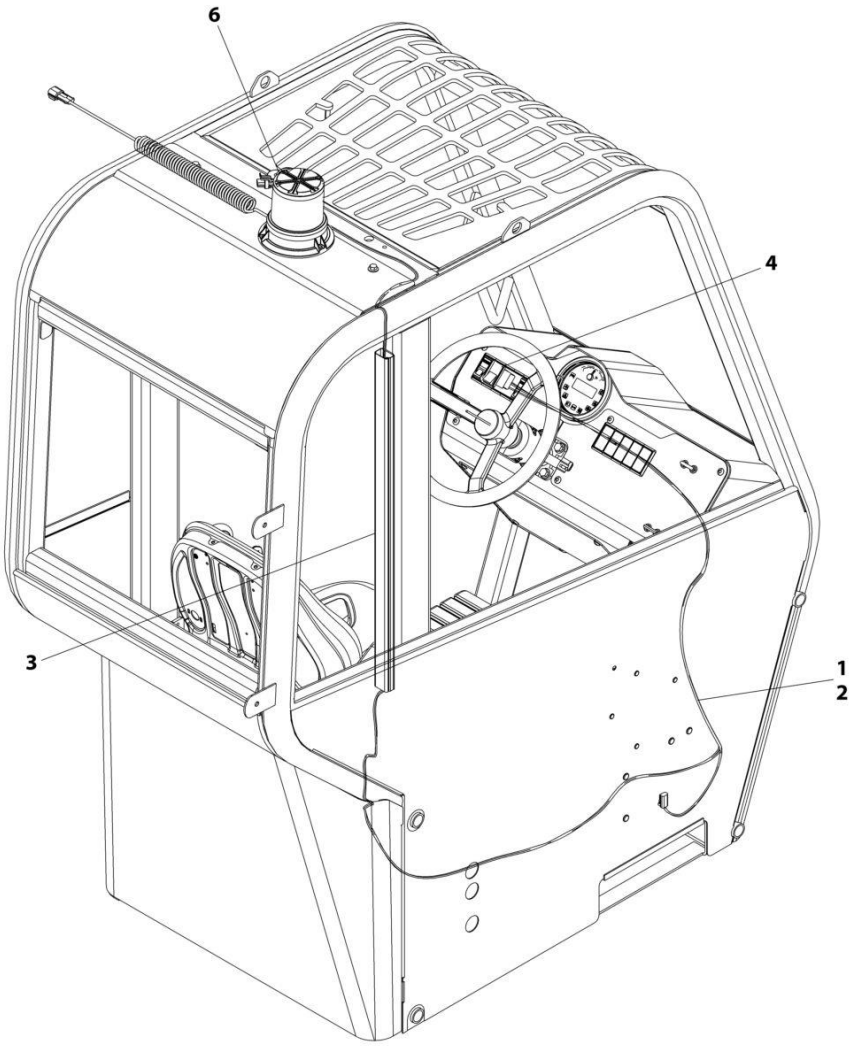


FIGURE 10-37. BEACON INSTALLATION (OPEN CAB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161212	Ref	LIGHTS - BEACON LIGHT INSTALLATION (OPEN CAB)	J
1	0100009	AR	Sealant	
2	1001284403	1	Harness, Beacon Option (See Separate Breakdown in this Section)	
3	1001182091	1	Duct, Upper Wire	
4	8223038	1	Switch, Beacon	
6	1001271586	1	Light, Rotating Beacon	

FIGURE 10-38. BEACON INSTALLATION (ENCLOSED CAB)

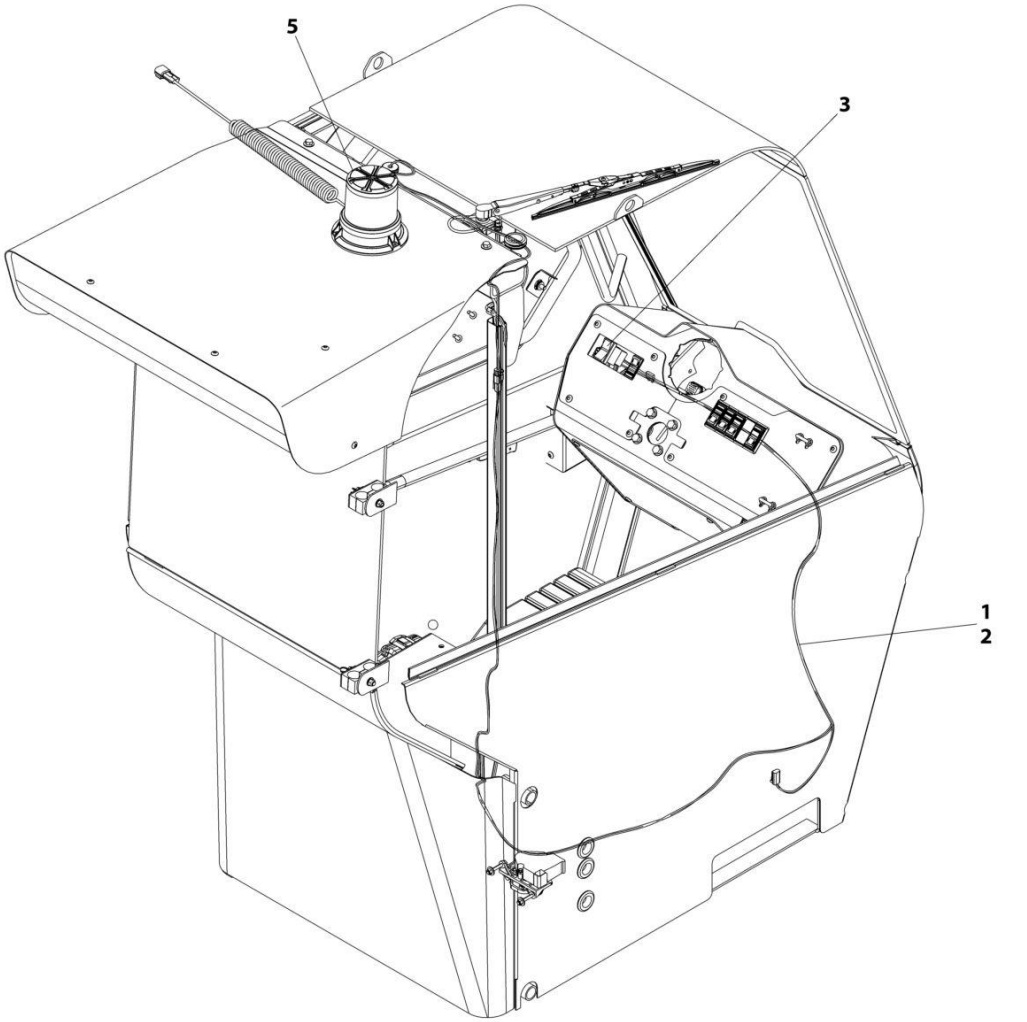


FIGURE 10-38. BEACON INSTALLATION (ENCLOSED CAB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161213	Ref	LIGHTS - BEACON LIGHT INSTALLATION (ENCLOSED CAB)	H
1	0100009	AR	Sealant	
2	1001284403	1	Harness, Beacon Option (See Separate Breakdown in this Section)	
3	8223038	1	Switch, Beacon	
5	1001271586	1	Light, Rotating Beacon	

FIGURE 10-39. BEACON OPTION HARNESS

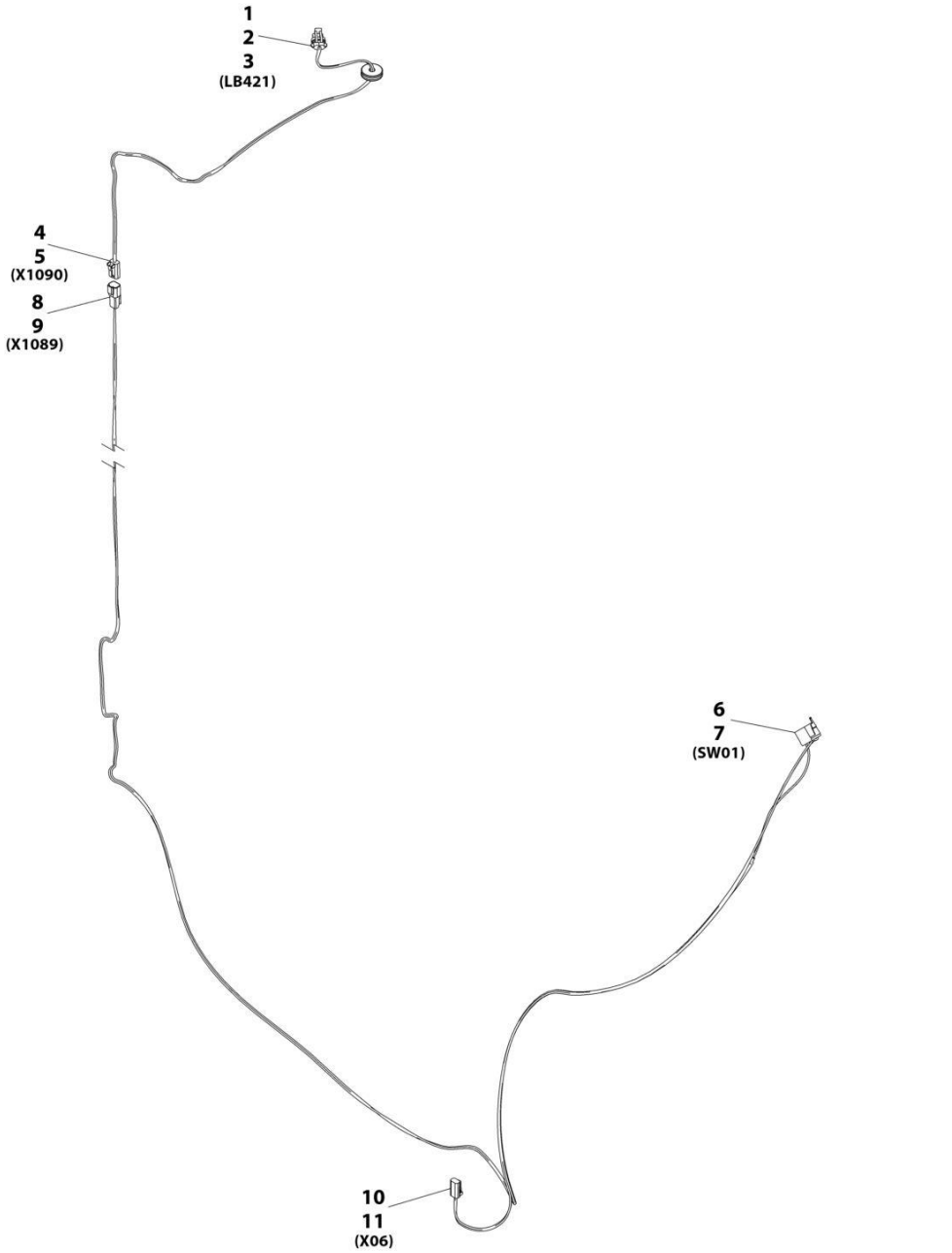


FIGURE 10-39. BEACON OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284403	Ref	BEACON OPTION HARNESS	A
1	1001117021	1	Connector	
2	1001116728	2	Terminal	
3	4460458	2	Seal	
4	4460891	1	Connector	
5	4460465	2	Terminal	
6	8220904	1	Connector	
7	4460419	6	Terminal	
8	4460897	1	Connector	
9	4460464	2	Terminal	
10	4460539	1	Connector	
11	4460465	3	Terminal	

FIGURE 10-40. LIGHTS - BOOM WORK LIGHT HARNESS

FIGURE 10-40. LIGHTS - BOOM WORK LIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238111	Ref	Boom Worklight Harness	B
1	1001117021	1	Connector	
2	1001116747	2	Terminal	
3	4460789	2	Seal	
4	4460742	1	Connector	
5	4460457	2	Terminal	
6	4460789	2	Seal	

FIGURE 10-41. LIGHTS - LED WORK LIGHT PACKAGE INSTALLATION

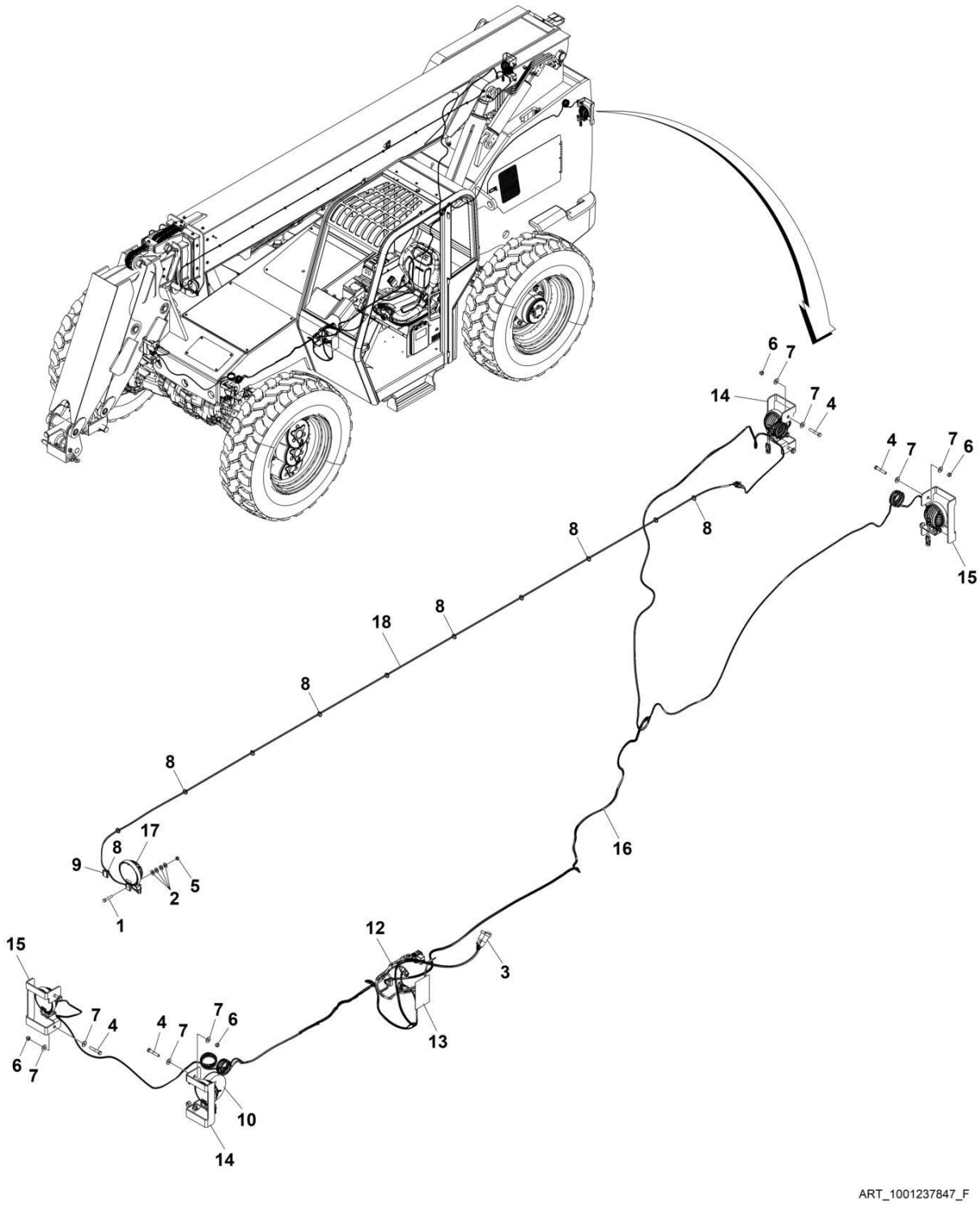


FIGURE 10-41. LIGHTS - LED WORK LIGHT PACKAGE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237847	Ref	LIGHTS - LED WORK LIGHT PACKAGE INSTALLATION	F
1	0641520	1	Bolt 5/16 x 2-1/2	
2	1001305569	1	Spacer	
2	1001173257	1	Spacer Block	
3	8223059	1	Switch, Work Light	
4	8303771	8	Bolt 3/8 x 2-1/4	
5	8305626	1	Nut 5/16	
6	8305645	8	Nut 3/8	
7	8307204	16	Washer 3/8	
8	8584001	AR	Wrap, Tie	
9	8584018	4	Mount, Tie-Strap	
10	7124471	2	Conduit, 1 x 12.5	
11	88501005	AR	Nut 5/16	
12	1001205248	1	Harness, Roadlight Worklight (See Separate Breakdown in this Section)	
13	1001205264	1	Decal, Light Fuse Panel	
14	1001237853	2	Assembly, LED RH Worklight (See Separate Breakdown in this Section)	
15	1001237854	2	Assembly, LED LH Worklight (See Separate Breakdown in this Section)	
16	1001238199	1	Harness, Work Light Option (See Separate Breakdown in this Section)	
17	1001273636	1	Lamp, LED Worklight	
18	1001238111	1	Harness, Boom Worklight (See Separate Breakdown in this Section)	

FIGURE 10-42. LIGHTS - ROADLIGHT PACKAGE INSTALLATION

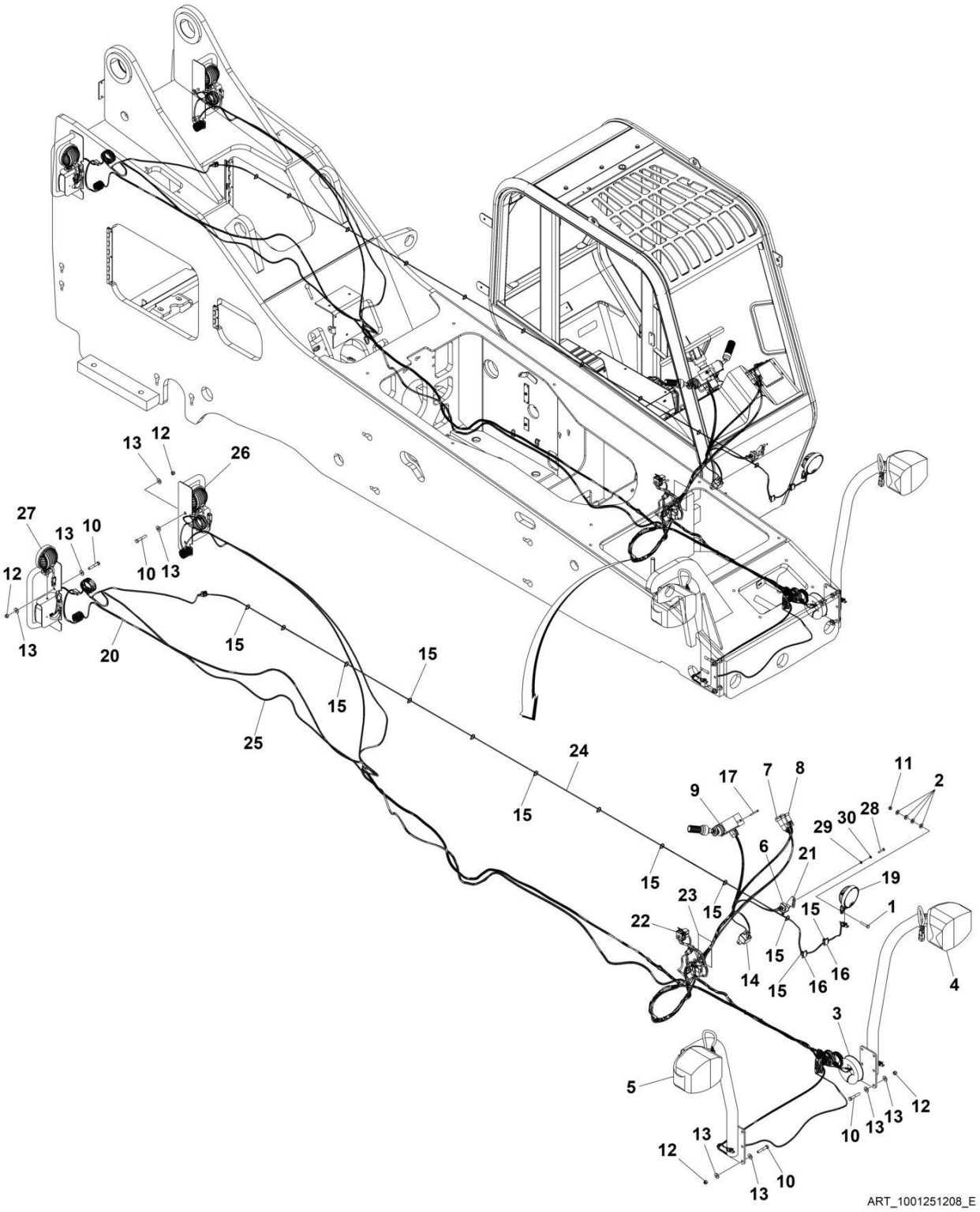


FIGURE 10-42. LIGHTS - ROADLIGHT PACKAGE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251208	Ref	ROADLIGHT PACKAGE INSTALLATION	E
1	0641520	1	Bolt 5/16 x 2-1/2	
2	1001305569	1	Spacer	
2	1001173257	1	Spacer Block	
3	7124471	2	Conduit 1 x 12.5	
4	7150699	1	Assembly, LH Roadlight Bracket (See Separate Breakdown in this Section)	
5	7150716	1	Assembly, RH Roadlight Bracket (See Separate Breakdown in this Section)	
6	8223025	1	Switch, Brake Lights	
7	8223059	1	Switch, Work Light	
8	8223060	1	Switch, Hazard	
9	8223073	1	Control, Turn Signal	
10	8303771	10	Bolt 3/8 x 2-1/4	
11	8305626	1	Nut 5/16	
12	8305645	10	Nut 3/8	
13	8307204	20	Washer 3/8	
14	8500203	1	Flasher, Hazard Warning 12V	
15	8584001	12	Wrap, Tie	
16	8584018	2	Mount, Cable Tie	
17	88211516	2	Screw M10	
19	1001273636	1	Lamp, LED Worklight	
20	1001296148	1	Harness, Road Light Option (See Separate Breakdown in this Section)	
21	1001201752	1	Bracket, Brake Switch	
22	1001205248	1	Harness, Roadlight Worklight (See Separate Breakdown in this Section)	
23	1001205264	1	Decal, Light Fuse Panel	
24	1001238111	1	Harness, Boom Worklight (See Separate Breakdown in this Section)	
25	1001238199	1	Harness, Work Light Option (See Separate Breakdown in this Section)	
26	1001251270	1	Assembly, LH Roadlight (See Separate Breakdown in this Section)	
27	1001251271	1	Assembly, RH Roadlight (See Separate Breakdown in this Section)	
28	0700614	2	Bolt M6 x 30	
29	4811700	2	Washer M6	
30	4831700	2	Washer M6	
31	7150685	1	Road Light Brake Assembly (LH)	
32	7150717	1	Road Light Bracket Assembly	
33	1001244593	1	Lamp (RH)	
34	1001244594	1	Lamp (LH)	

FIGURE 10-43. LIGHTS - ROAD LIGHT ASSEMBLY (LH)

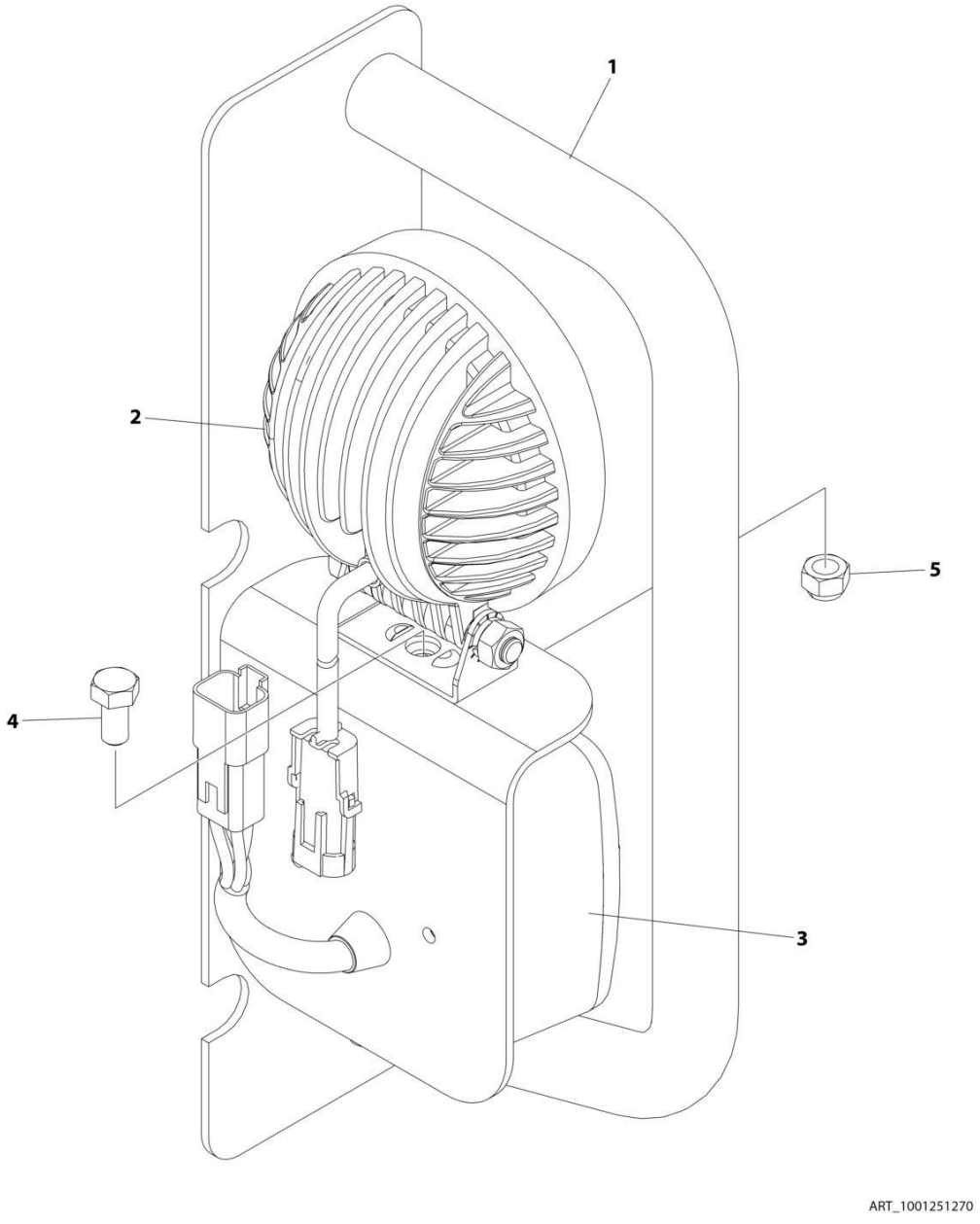


FIGURE 10-43. LIGHTS - ROAD LIGHT ASSEMBLY (LH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251270	Ref	LH ROADLIGHT ASSEMBLY	A
1	7150681	1	Assembly, LH Roadlight Bracket	
2	1001176337	1	Lamp, LED Worklight	
3	7150690	1	Light, Tail/Indicator	
4	8303745	1	Bolt 5/16 x 5/8	
5	8305626	1	Nut 5/16	

FIGURE 10-44. LIGHTS - ROAD LIGHT ASSEMBLY (RH)

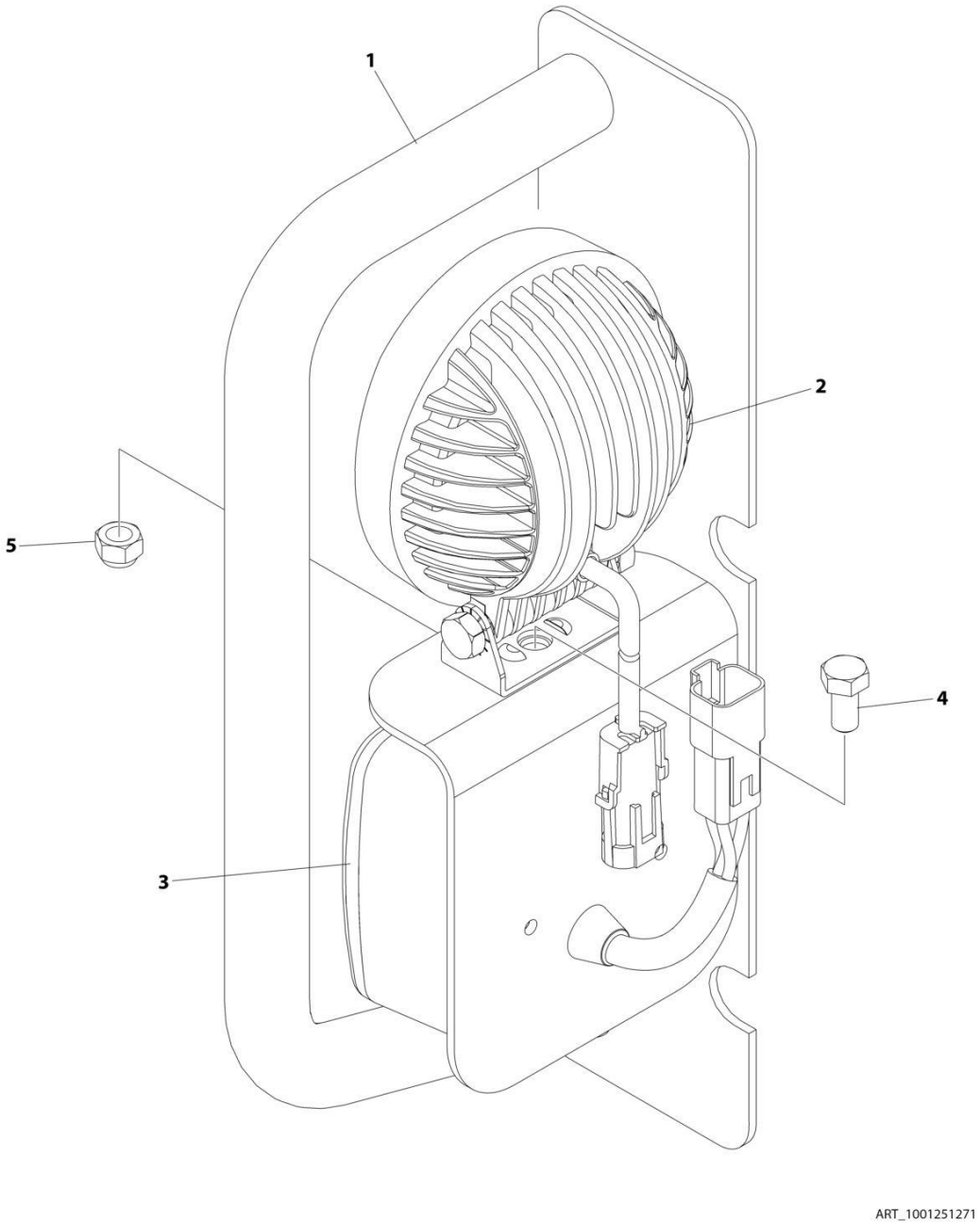


FIGURE 10-44. LIGHTS - ROAD LIGHT ASSEMBLY (RH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251271	Ref	RH ROADLIGHT ASSEMBLY	A
1	7150680	1	Assembly, RH Roadlight Bracket	
2	1001176337	1	Lamp, LED Worklight	
3	7150690	1	Light, Tail/Indicator	
4	8303745	1	Bolt 5/16 x 5/8	
5	8305626	1	Nut 5/16	

FIGURE 10-45. LIGHTS - ROAD LIGHT BRACKET ASSEMBLY (LH)

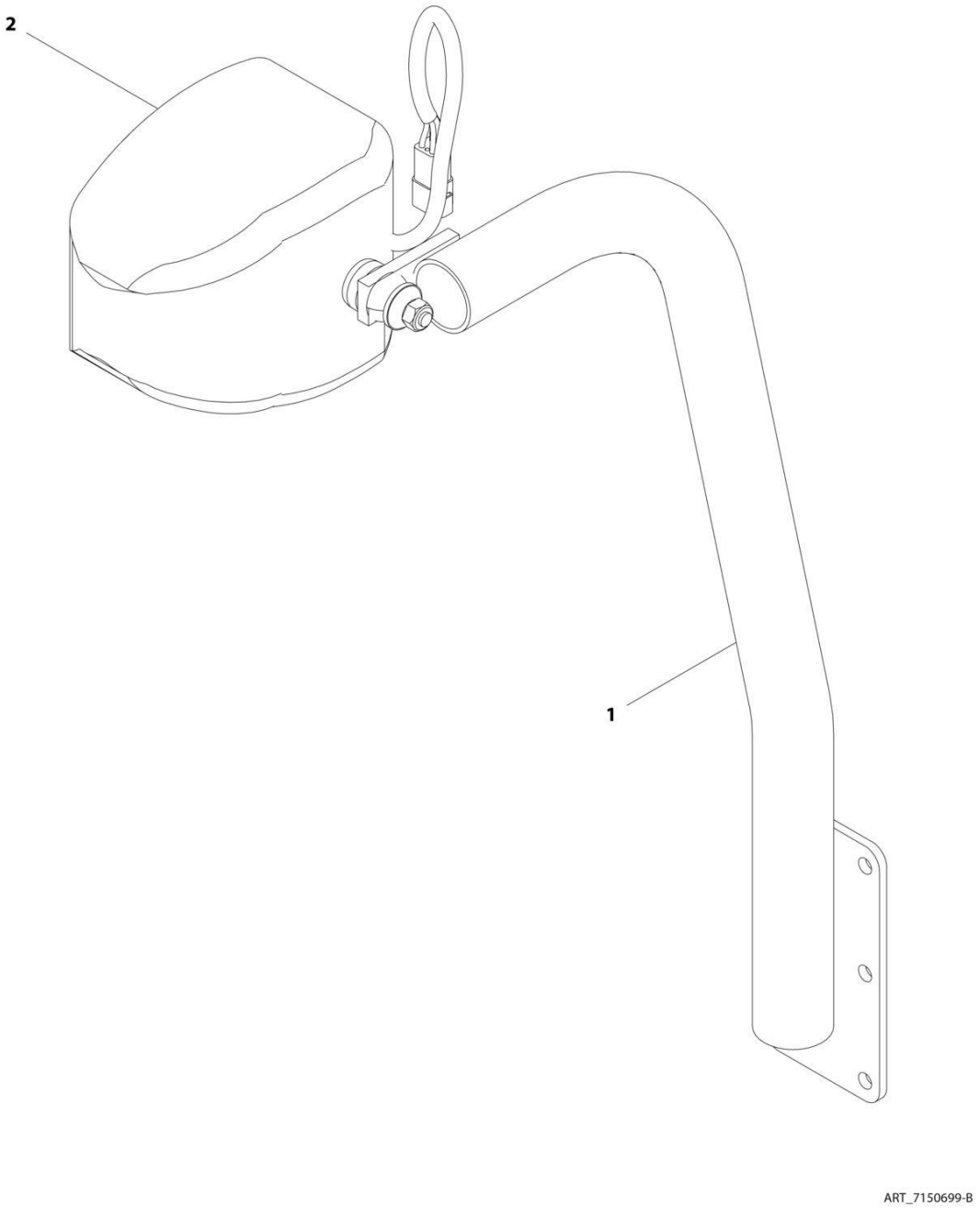


FIGURE 10-45. LIGHTS - ROAD LIGHT BRACKET ASSEMBLY (LH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150699	Ref	LH Roadlight Bracket Assembly	B
1	7150685	1	Bracket, LH Roadlight	
2	7150702	1	Roadlight, LH Front	
2	8036216	6	Screw, Headlight Lens	
2	8036212	1	Lens, Headlight	
2	8036213	1	Bulb, Headlight 12V, 60/55W	
2	8036214	1	Bulb, Blinker 12V, 5W	
2	8036215	1	Harness, Wiring (includes 6-way connector)	
2	8036209	1	Lens, Left Amber Headlight	

FIGURE 10-46. LIGHTS - ROAD LIGHT BRACKET ASSEMBLY (RH)

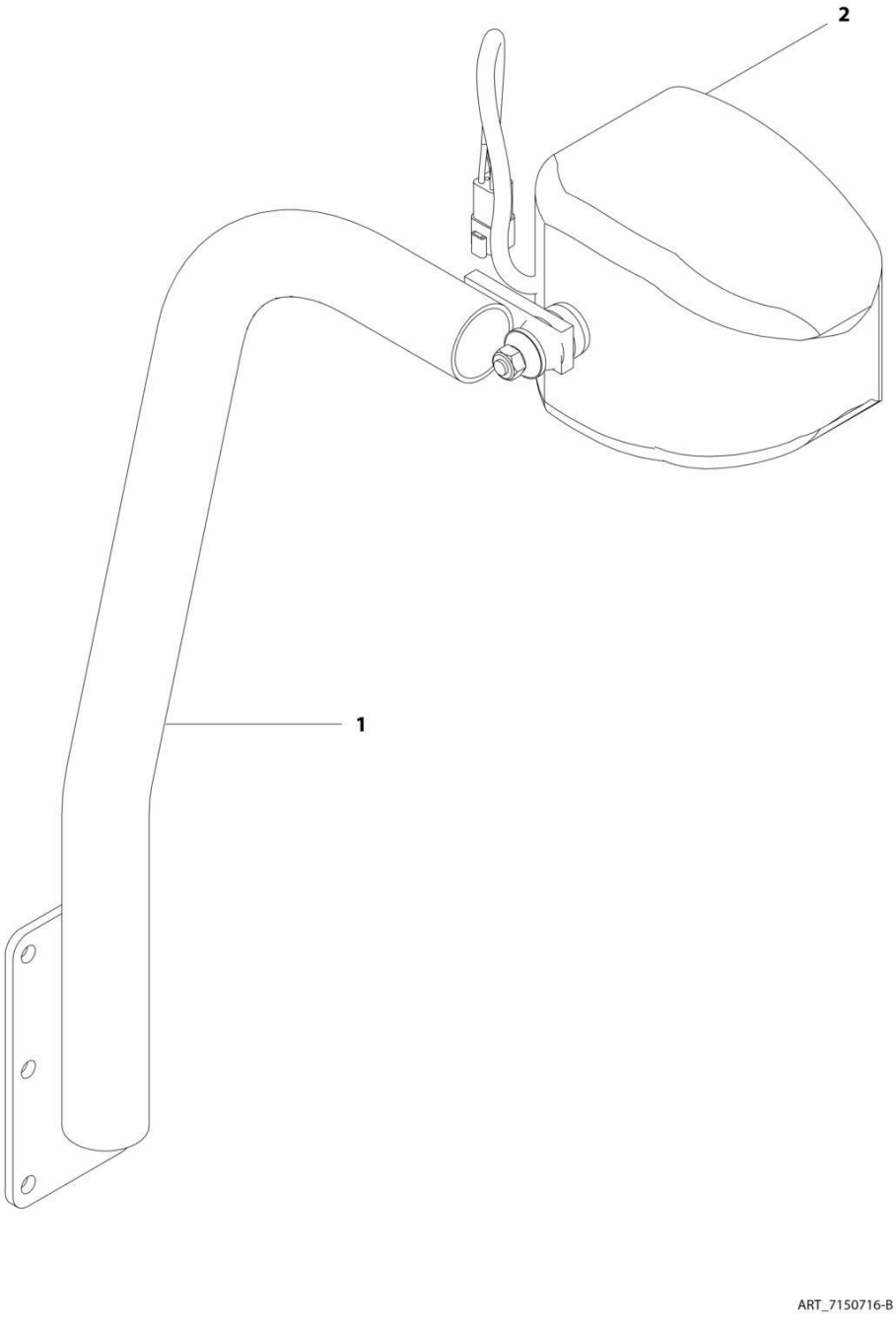


FIGURE 10-46. LIGHTS - ROAD LIGHT BRACKET ASSEMBLY (RH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150716	Ref	RH Roadlight Bracket Assembly	B
1	7150717	1	Bracket, RH Roadlight	
2	7150703	1	Roadlight, LH Front	
2	8036210	1	Lens, Right Amber Headlight	
2	8036216	6	Screw, Headlight Lens	
2	8036212	1	Lens, Headlight	
2	8036213	1	Bulb, Headlight, 12V, 60/55W	
2	8036214	1	Bulb, Blinker 12V, 5W	
2	8036215	1	Harness, Wiring (includes 6-way connector)	

FIGURE 10-47. LIGHTS - ROAD LIGHT WORK LIGHT HARNESS

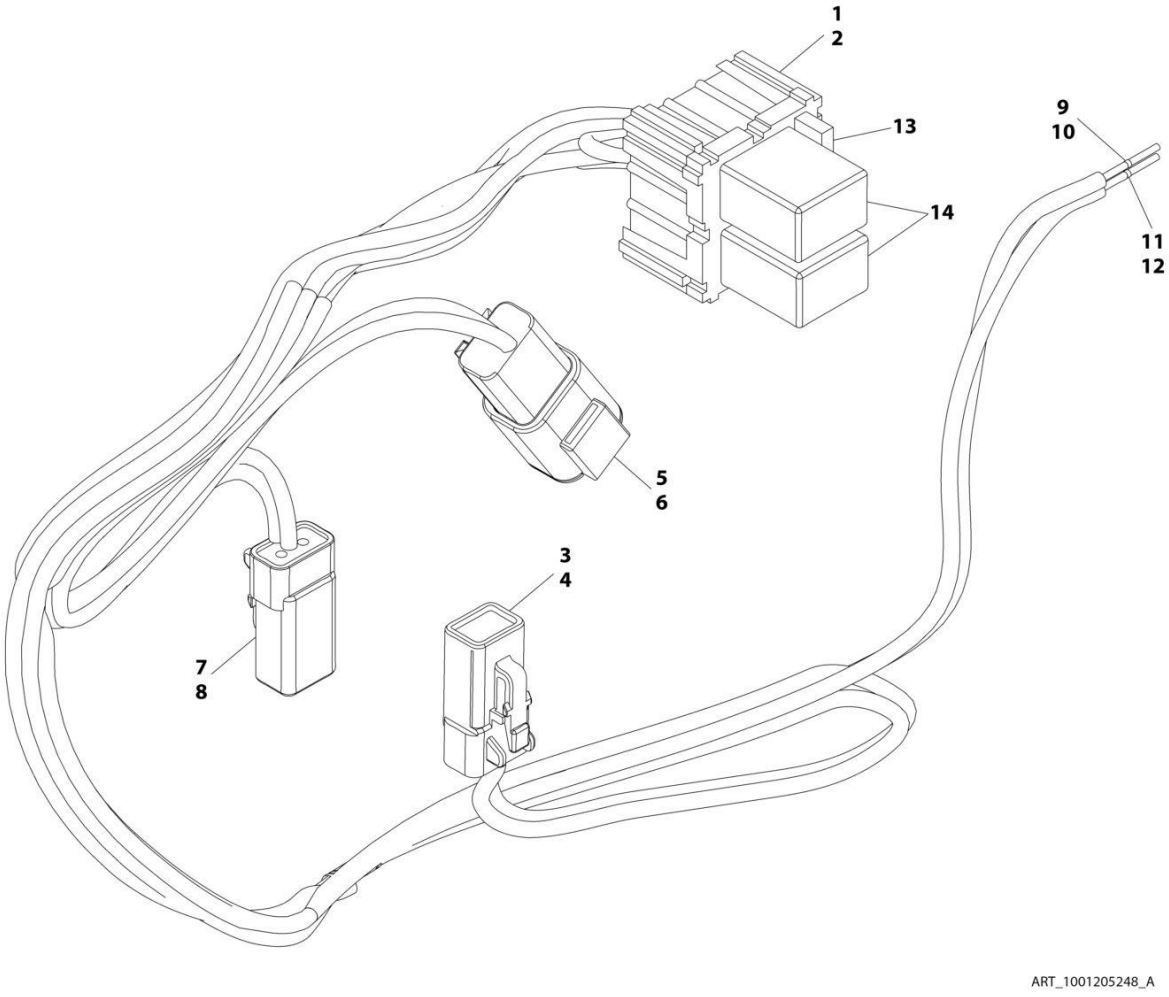
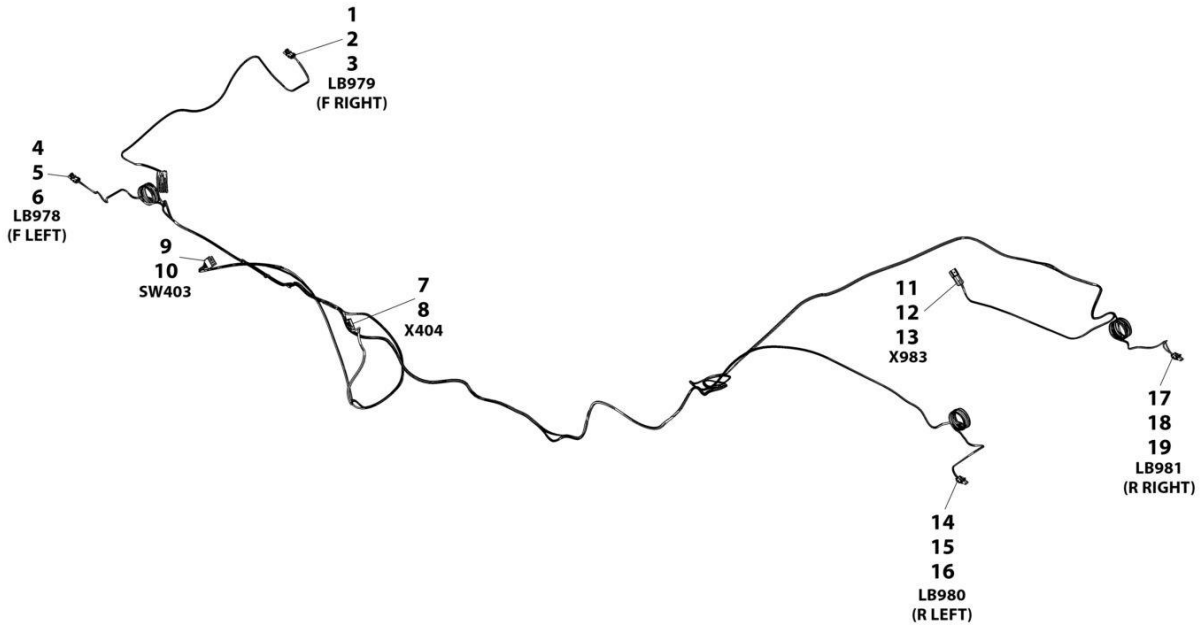


FIGURE 10-47. LIGHTS - ROAD LIGHT WORK LIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205248	Ref	Roadlight Worklight Harness	A
1	1001177198	1	Connector	
2	1001116712	12	Terminal	
3	4461018	1	Connector	
4	4460509	2	Terminal	
5	4461017	1	Connector	
6	4460508	2	Terminal	
7	4461018	1	Connector	
8	4460509	2	Terminal	
9	4460790	1	Terminal, Socket	
10	8220089	1	Seal	
11	4460790	1	Terminal, Socket	
12	8220089	1	Seal	
13	8229245	2	Fuse 30Amp	
14	1001205172	2	Relay	

FIGURE 10-48. LIGHTS - WORK LIGHT OPTIONS HARNESS



ART_1001238199-A

FIGURE 10-48. LIGHTS - WORK LIGHT OPTIONS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238199	Ref	Work Lighting Option Harness	A
1	4460742	1	Connector	
2	4460457	2	Terminal	
3	4460789	2	Seal	
4	4460742	1	Connector	
5	4460457	2	Terminal	
6	4460789	2	Seal	
7	4461018	1	Connector	
8	4460509	2	Terminal	
9	8220904	1	Connector	
10	4460419	6	Terminal	
11	1001117026	1	Connector	
12	1001116729	2	Terminal	
13	8220081	2	Seal	
14	4460742	1	Connector	
15	4460457	2	Terminal	
16	4460789	2	Seal	
17	4460742	1	Connector	
18	4460457	2	Terminal	
19	4460457	2	Seal	

FIGURE 10-49. LIGHTS - WORK LIGHT ASSEMBLY - LED (LH)

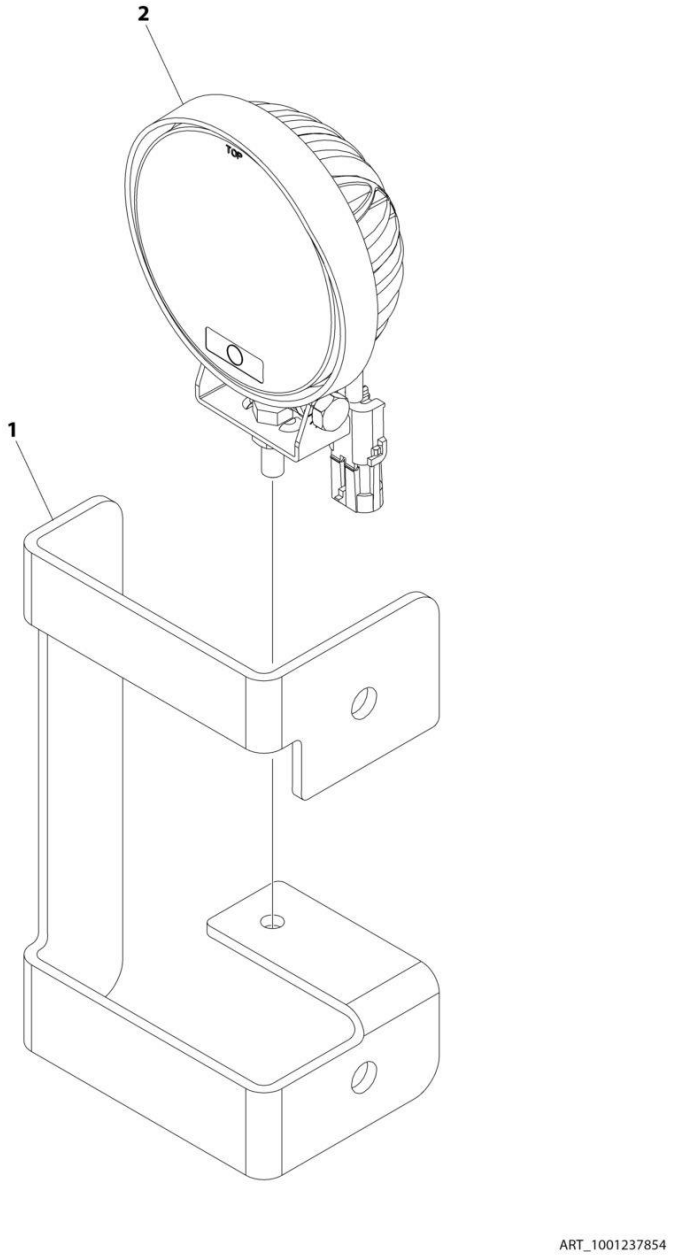
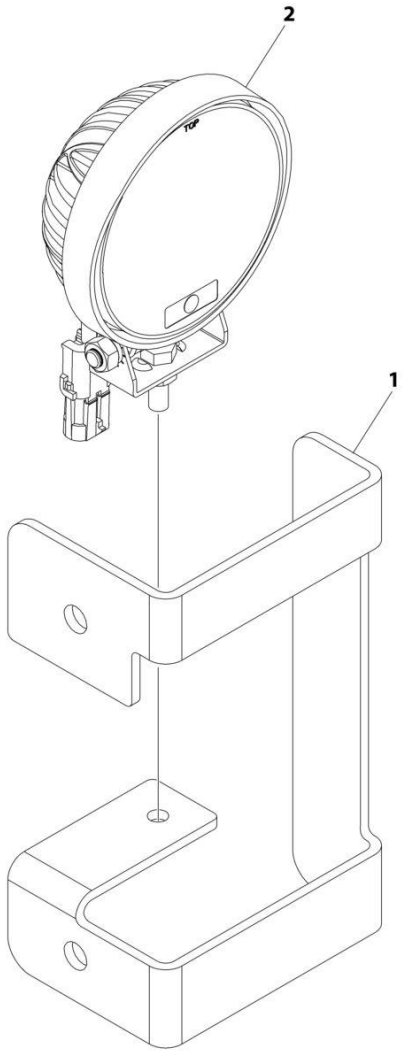


FIGURE 10-49. LIGHTS - WORK LIGHT ASSEMBLY - LED (LH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237854	Ref	LIGHTS - WORK LIGHT ASSEMBLY - LED (LH)	A
1	1001097080	1	Bracket, LH Worklight Mount	
2	1001176337	1	Lamp, LED Worklight	

FIGURE 10-50. LIGHTS - WORK LIGHT ASSEMBLY - LED (RH)



ART_1001237853

FIGURE 10-50. LIGHTS - WORK LIGHT ASSEMBLY - LED (RH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237853	Ref	LIGHTS - WORK LIGHT ASSEMBLY - LED (RH)	A
1	1001097079	1	Bracket, RH Worklight Mount	
2	1001176337	1	Lamp, LED Worklight	

FIGURE 10-51. LOGIC HARNESS (10054)

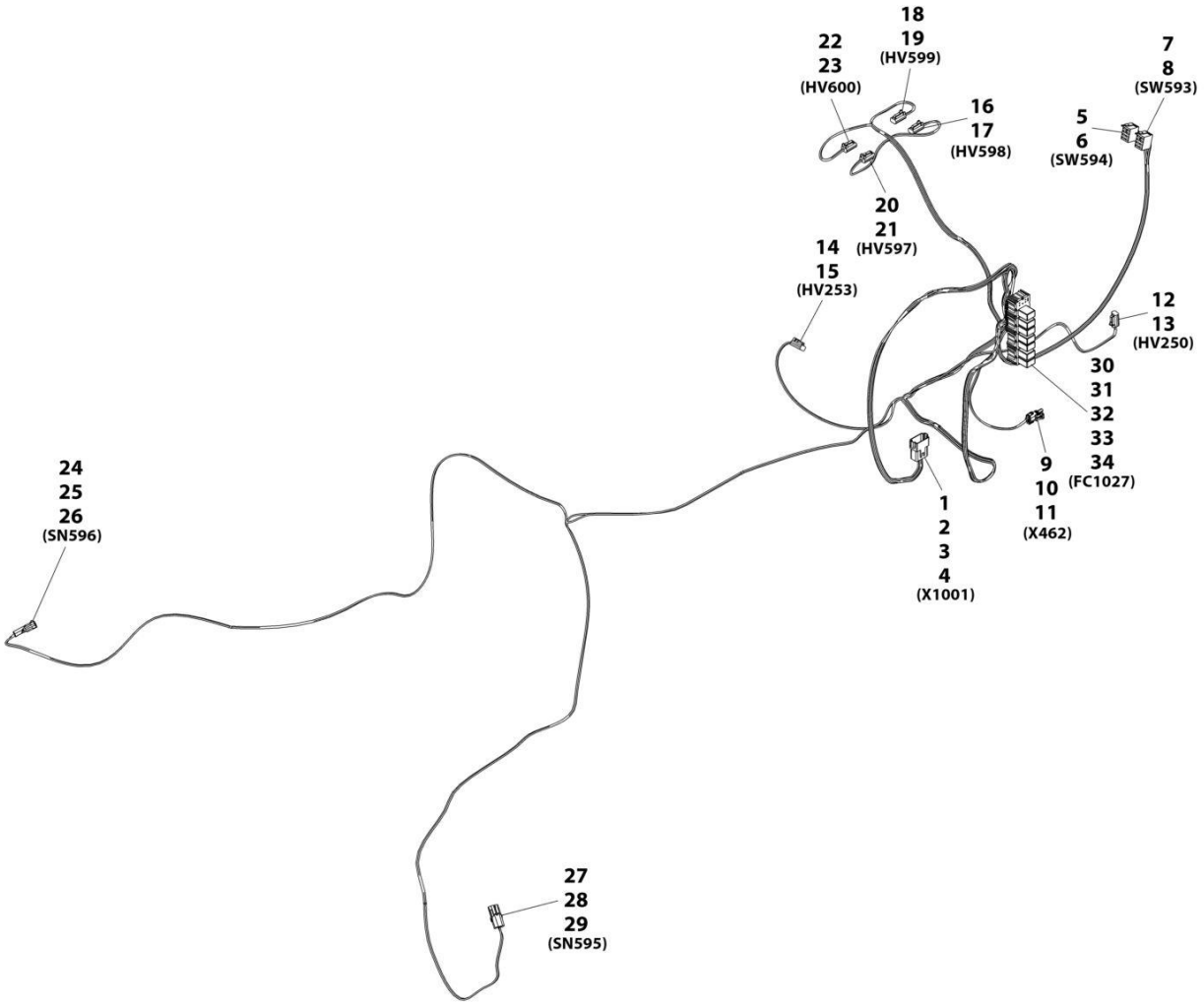


FIGURE 10-51. LOGIC HARNESS (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251503	Ref	Logic Harness	D
1	4460970	1	Connector	
2	4460941	3	Terminal	
3	4460464	5	Terminal	
4	4460466	4	Plug	
5	8220904	1	Connector	
6	1001116720	3	Terminal	
7	8820904	1	Connector	
8	1001116720	3	Terminal	
9	4460742	1	Connector	
10	4460457	2	Terminal	
11	4460458	2	Seal	
12	4460891	1	Connector	
13	4460465	2	Terminal	
14	4460891	1	Connector	
15	4460465	2	Terminal	
16	4460891	1	Connector	
17	4460465	2	Terminal	
18	4460891	1	Connector	
19	4460465	2	Terminal	
20	4460891	1	Connector	
21	4460465	2	Terminal	
22	4460891	1	Connector	
23	4460465	2	Terminal	
24	4461157	1	Connector	
25	4460475	2	Terminal	
26	4460458	2	Seal	
27	4461157	1	Connector	
28	4460475	2	Terminal	
29	4460458	2	Seal	
30	4461103	8	Relay, Locking Wedge	
31	8229243	2	Fuse, 7.5 AMP Mini	
32	1001177198	4	Electric Assembly	
33	1001200845	1	Mounting Leg	
34	1001205172	7	Relay	

FIGURE 10-52. RELAY PANEL INSTALLATION

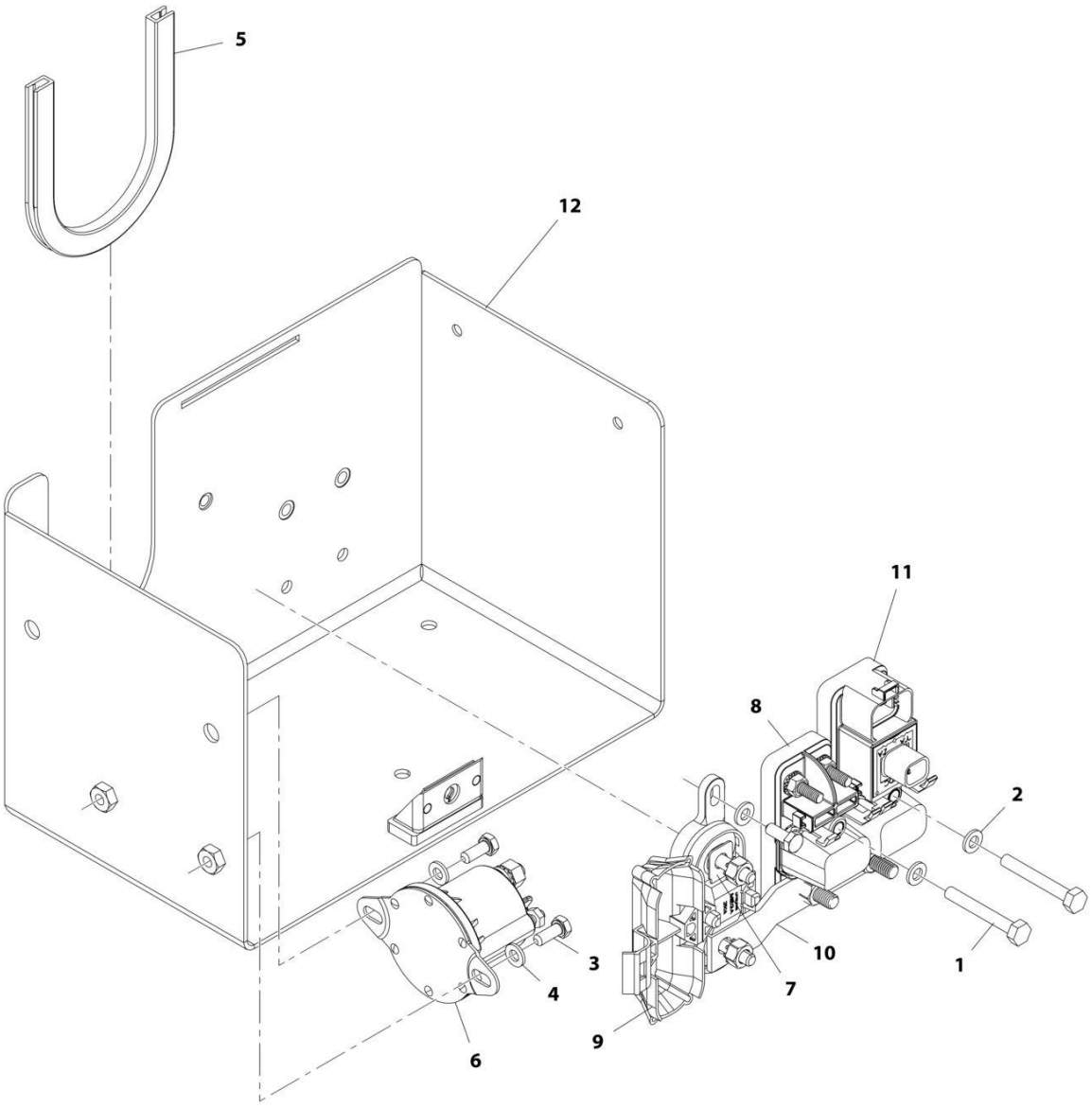


FIGURE 10-52. RELAY PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170233	Ref	Relay Panel Installation	F
1	0641415	2	Bolt 1/4X1-7/8	
2	4761400	2	Washer 1/4	
3	8303545	4	Bolt M6X14	
4	8307219	4	Washer M6	
5	90206196	257 mm	Trim, Vinyl Edge	
6	1001186417	1	Relay, 150 Amp	
7	1001118245	1	Fuse, 250 Amp	
8	1001127699	1	Fuse, Power Module	
9	1001127700	1	Holder, AMG Fuse	
10	1001129615	1	Bar, Buss Connector	
11	1001184316	1	Relay, Power Module	
12	1001170230	1	Bracket, Relay Mount	

FIGURE 10-53. RELAY PANEL COVER INSTALLATION

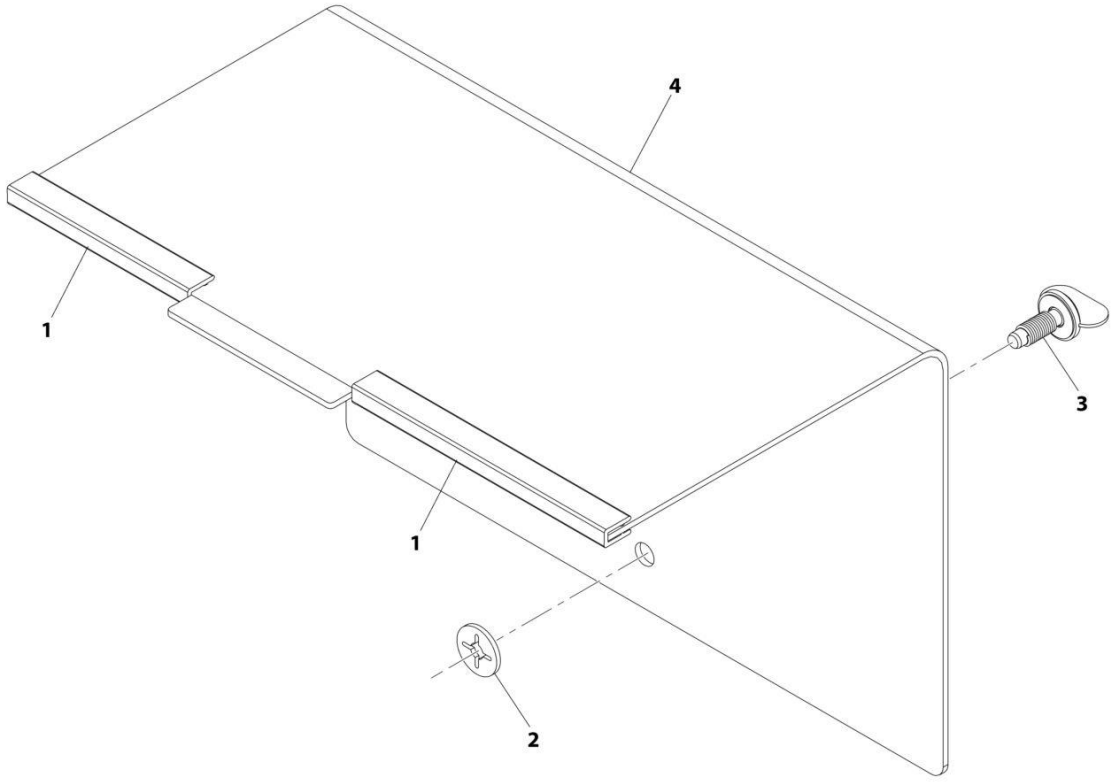


FIGURE 10-53. RELAY PANEL COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170234	Ref	Relay Panel Cover Assembly	B
1	90206196	220 mm	Trim, Vinyl Edge	
2	1001135770	1	Washer, Push-On Retainer	
3	1001135777	1	Screw, Fastener Assembly Wing Head	
4	1001170235	1	Cover, Relay Panel	

FIGURE 10-54. REVERSE SENSING SYSTEM INSTALLATION

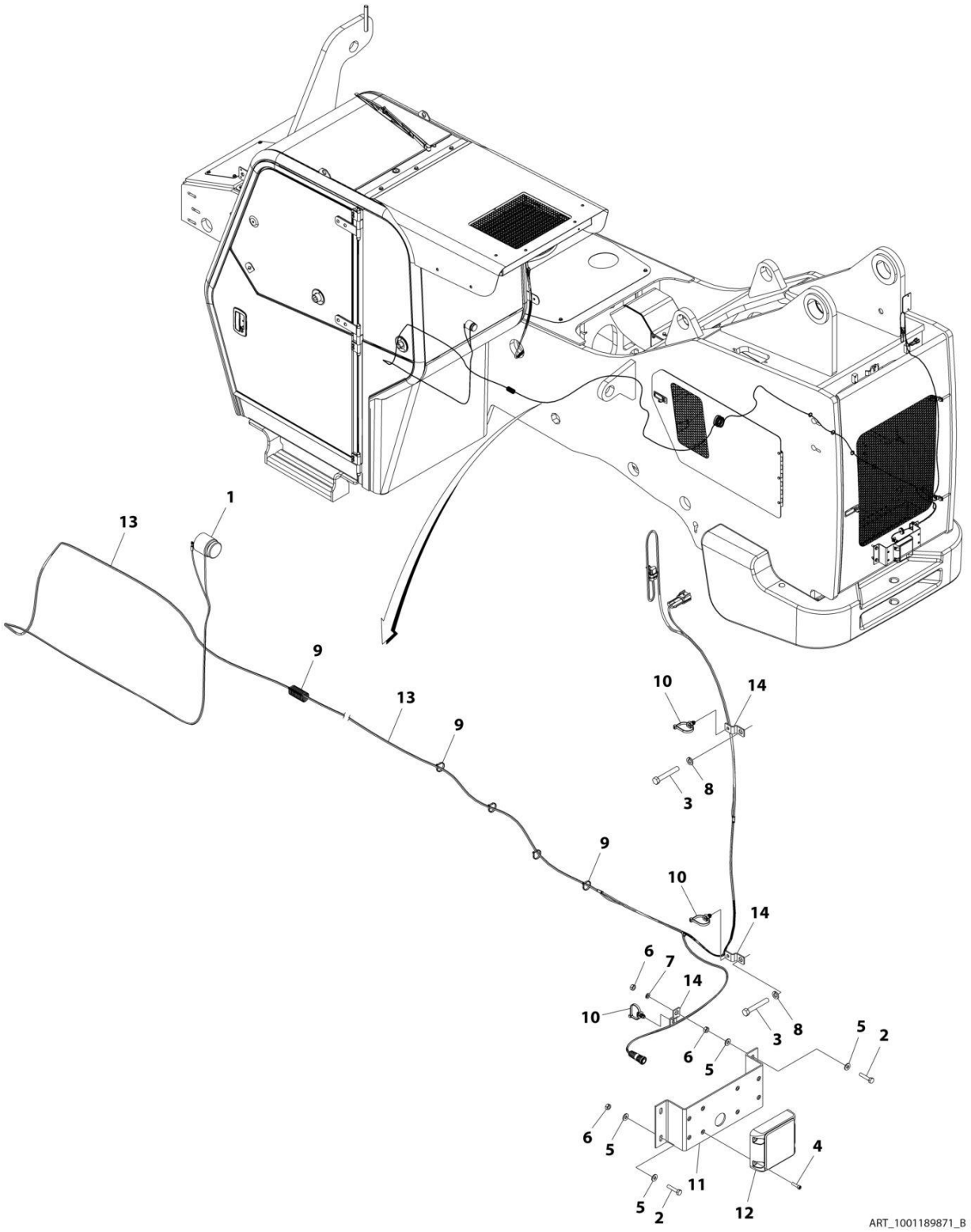


FIGURE 10-54. REVERSE SENSING SYSTEM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189871	Ref	REVERSE SENSOR INSTALLATION	B
1	0140011	1	Audible, Signal Device	
2	0641410	4	Bolt 1/4 x 1	
3	0641620	2	Bolt 3/8 x 2	
4	3931012	4	Capscrew #10 x 3/4	
5	4711400	8	Washer 1/4	
6	8305004	5	Nut 1/4	
7	8307002	1	Washer 1/4	
8	8307005	2	Washer 3/8	
9	8584001	AR	Wrap, Tie 3/16	
10	1001004720	3	Strap, Cable	
11	1001154375	1	Bracket	
12	1001247421	1	Control, Reverse Sensor	
13	1001189886	1	Harness, Reverse Sensor (See Separate Breakdown in this Section)	
14	1001204692	3	Bracket	

FIGURE 10-55. REVERSE SENSING HARNESS

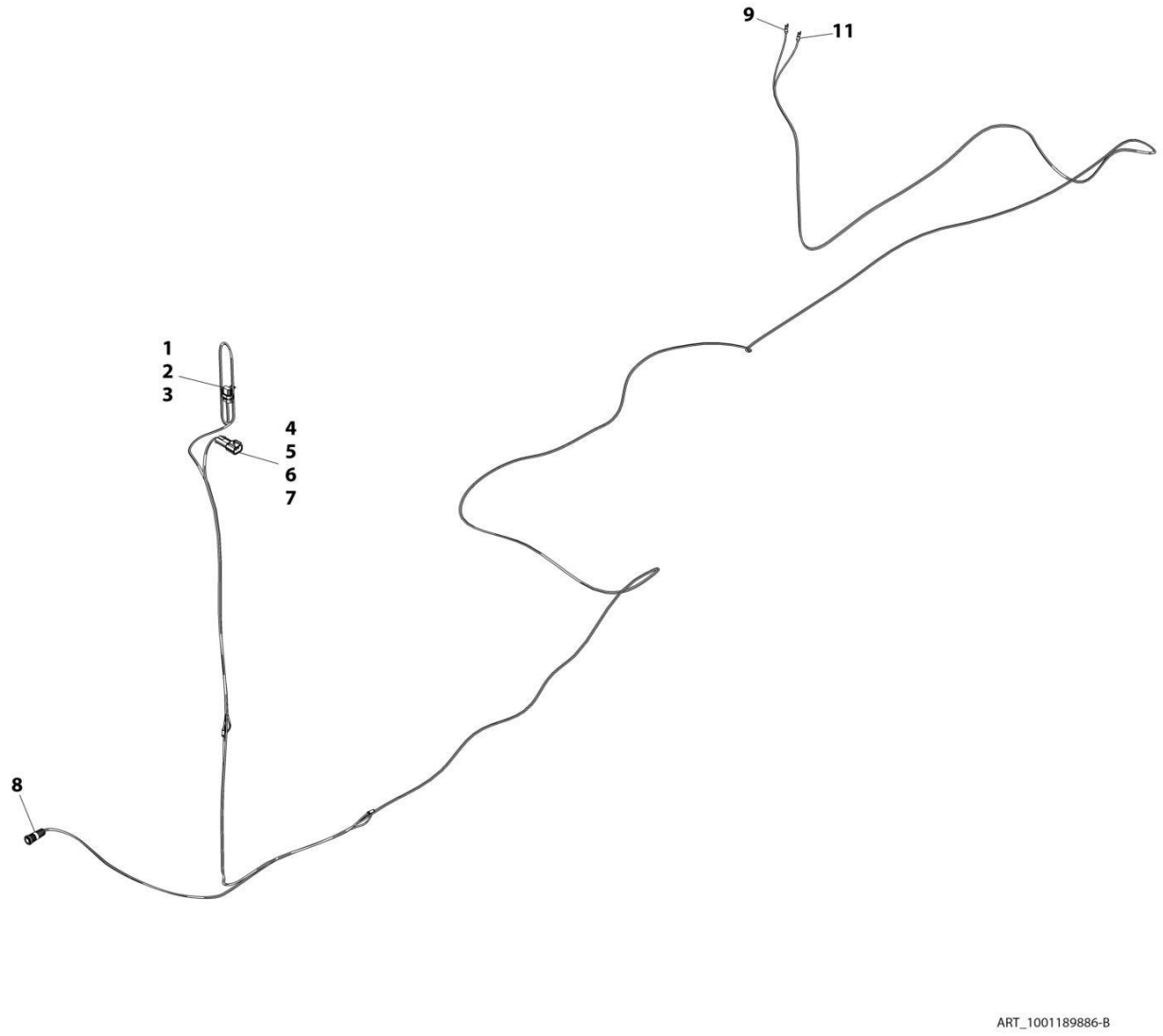


FIGURE 10-55. REVERSE SENSING HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189886	Ref	Reverse Sensor Harness	B
1	1001117021	1	Connector	
2	1001116728	2	Terminal	
3	4460458	2	Seal	
4	1001117026	1	Connector	
5	8220890	1	Lock, Secondary	
6	1001116745	2	Terminal	
7	4460458	2	Seal	
8	1001175733	1	Connector	
9	4460183	1	Fork Terminal	
11	4460183	1	Fork Terminal	

FIGURE 10-56. ROAD LIGHT OPTION HARNESS

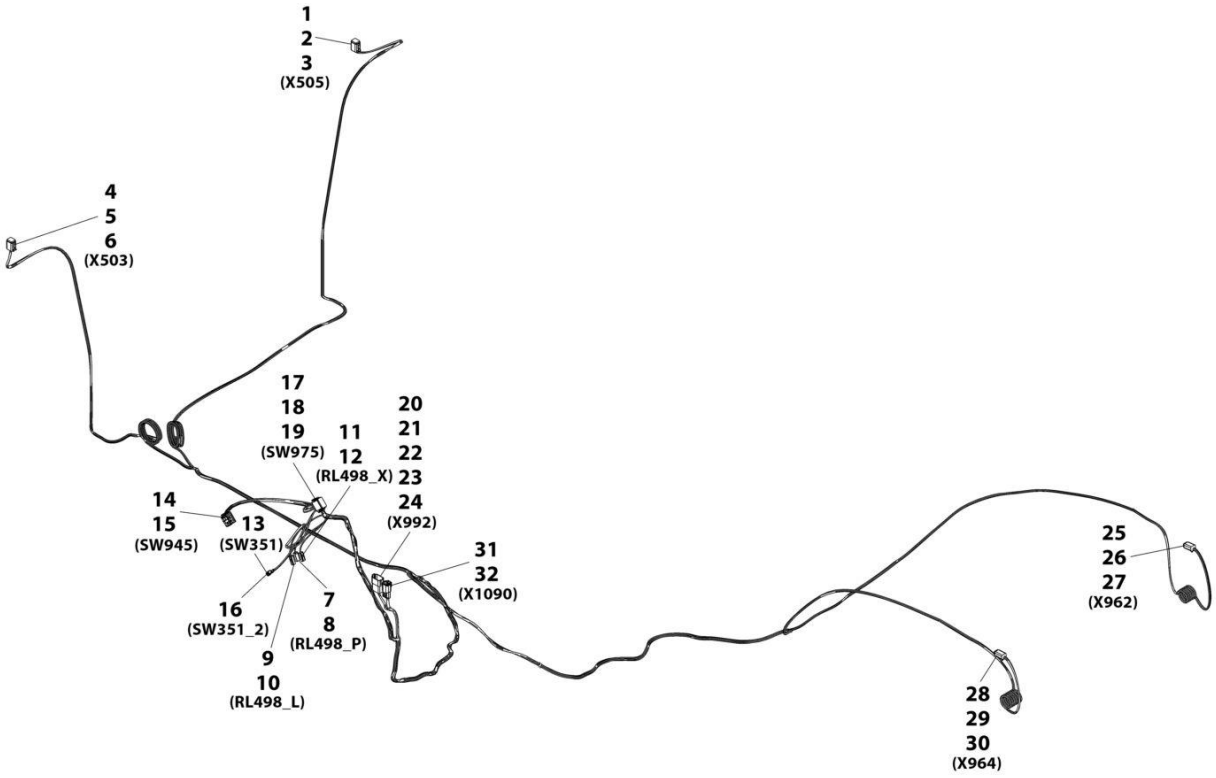


FIGURE 10-56. ROAD LIGHT OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178346	Ref	ROAD LIGHT OPTION HARNESS	H
1	4460894	1	Connector	
2	4460465	5	Terminal	
3	4460466	1	Plug	
4	4460894	1	Connector	
5	4460465	5	Terminal	
6	4460466	1	Plug	
7	7116572	1	Connector	
8	1001116736	1	Terminal	
9	7116572	1	Connector	
10	1001116736	1	Terminal	
11	7116572	1	Connector	
12	1001116736	1	Terminal	
13	8220051	1	Terminal, Ring	
14	1001117079	1	Connector	
15	4460419	9	Terminal	
16	8220051	1	Terminal, Ring	
17	4460933	1	Connector	
18	4460465	8	Terminal	
19	4460466	4	Plug	
20	4460931	1	Connector	
21	4460466	3	Plug	
22	4460464	2	Terminal	
23	1001157891	2	Terminal	
24	4460941	1	Terminal	
25	4460884	1	Connector	
26	4460465	3	Terminal	
27	4460942	1	Terminal	
28	4460884	1	Connector	
29	4460465	3	Terminal	
30	4460942	1	Terminal	
31	4461017	1	Connector	
32	4460508	2	Terminal	

FIGURE 10-57. SEAT BELT ALARM HARNESS

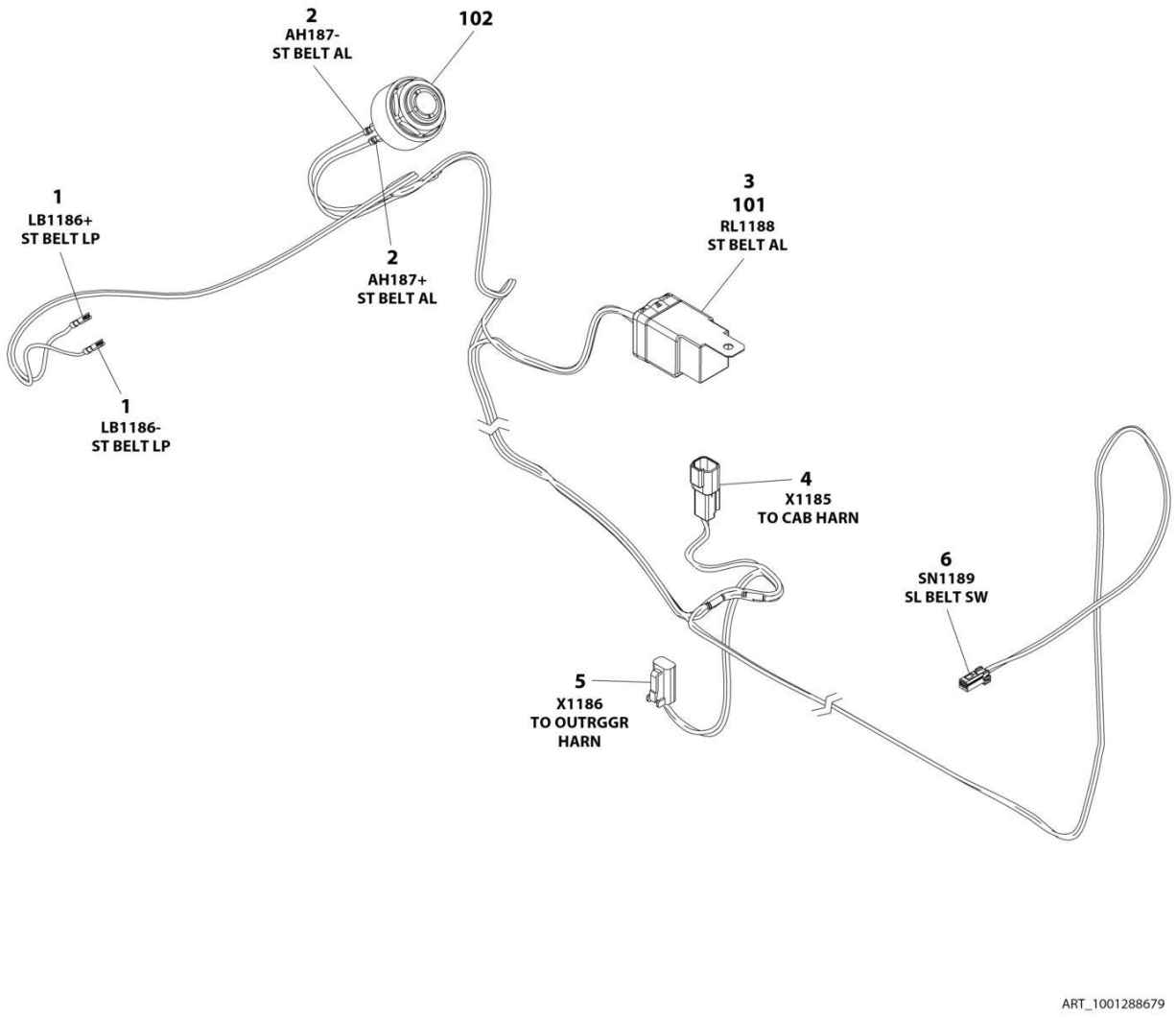


FIGURE 10-57. SEAT BELT ALARM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288679	Ref	SEAT BELT ALARM HARNESS	A
1	1001201885	2	Terminal, Faston	
2	1001194421	2	Terminal, Blade	
3	1001231398	1	Connector, Relay	
3	1001231400	4	Socket	
3	1001231404	4	Seal	
3	1001231406	1	Plug	
4	4460897	1	Connector	
4	4460464	2	Pin	
5	4460891	1	Connector	
5	4460465	2	Socket	
6	1001264844	1	Connector	
6	1001264861	2	Socket	
101	3740080	1	Relay	
102	1001091751	1	Buzzer Alarm	

FIGURE 10-58. TANK BLANKET INSTALLATION

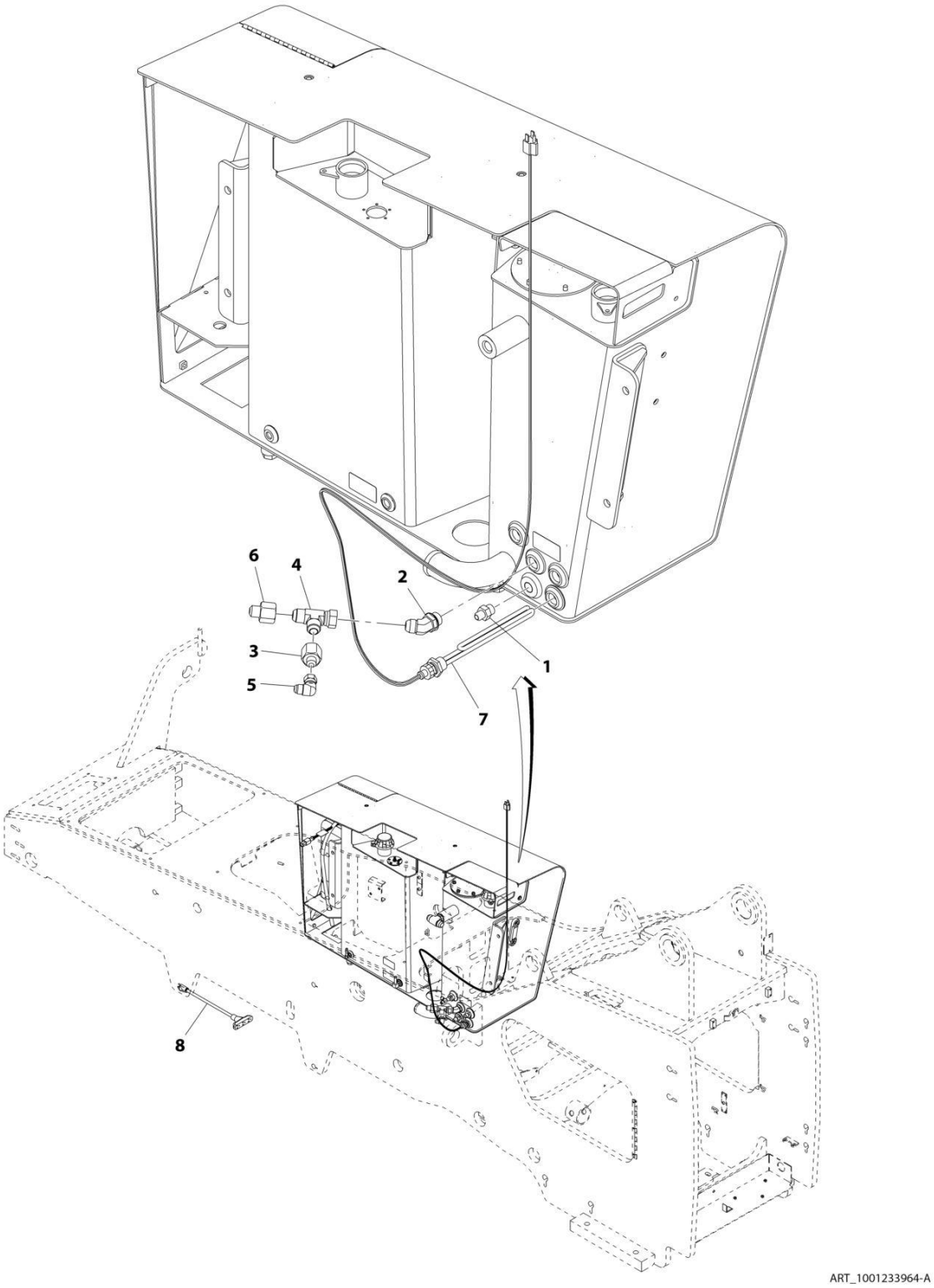


FIGURE 10-58. TANK BLANKET INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233964	Ref	Hydraulic Tank Heater Installation	A
1	2220374	1	Connector	
2	2220498	1	Adapter, 45	
3	2220622	1	Reducer	
4	2220700	1	Tee Fitting	
5	8765204	1	Elbow	
6	1001094696	1	Adapter	
7	1001105886	1	Immersion Heater	
8	1060626	1	3 Way Plug	

FIGURE 10-59. TBAP HARNESS

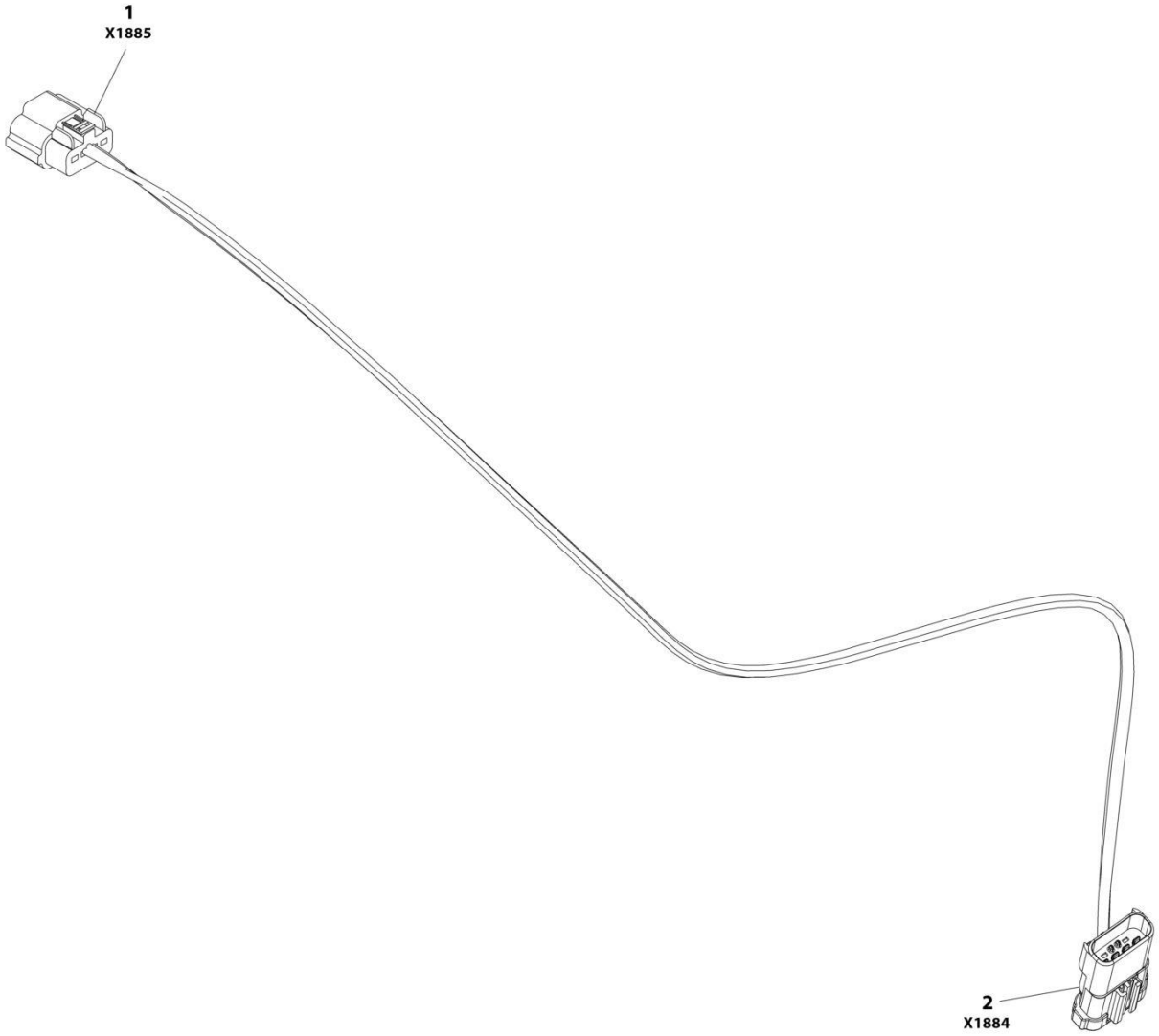


FIGURE 10-59. TBAP HARNESS

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

FIGURE 10-60. WIPER HARNESS

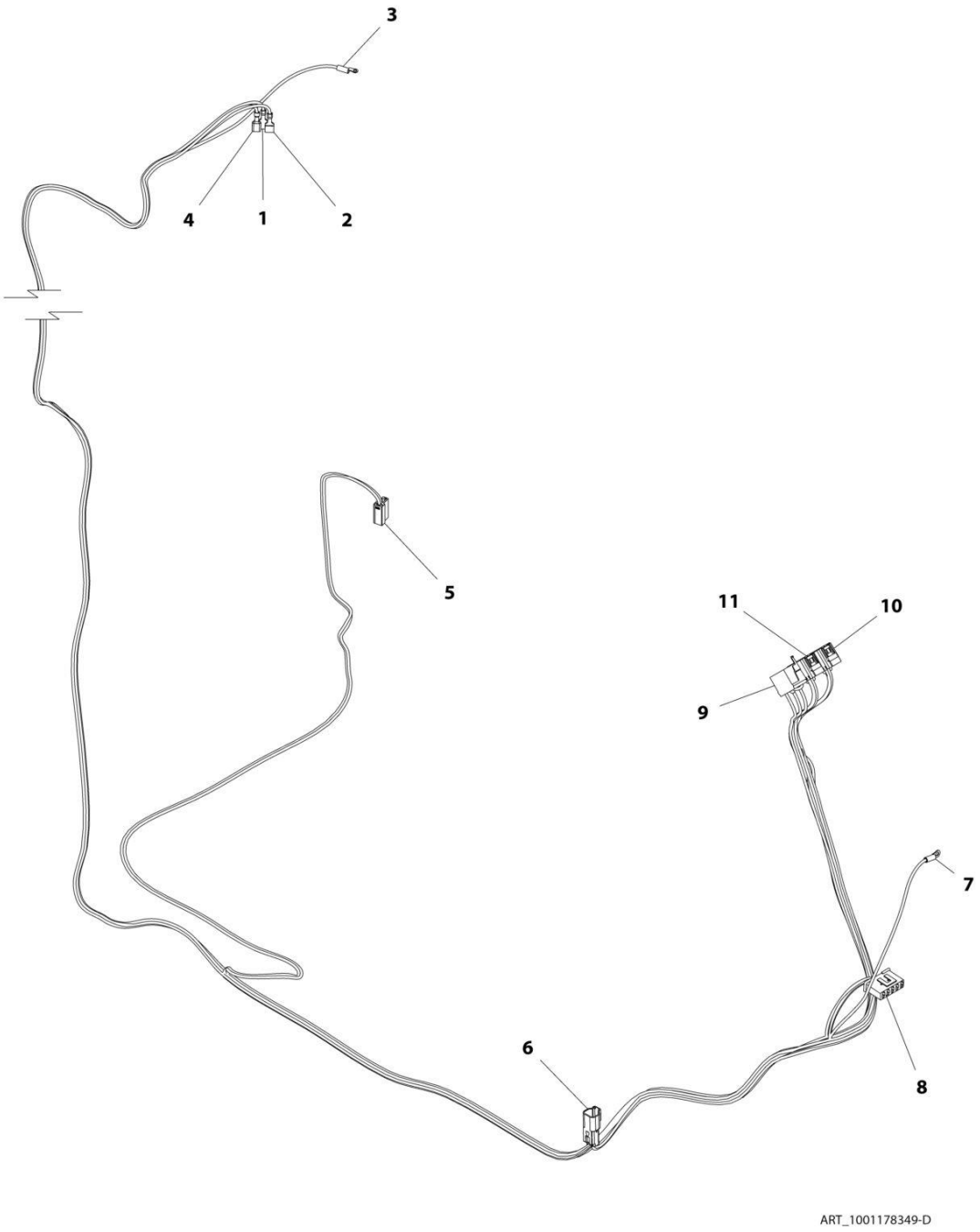


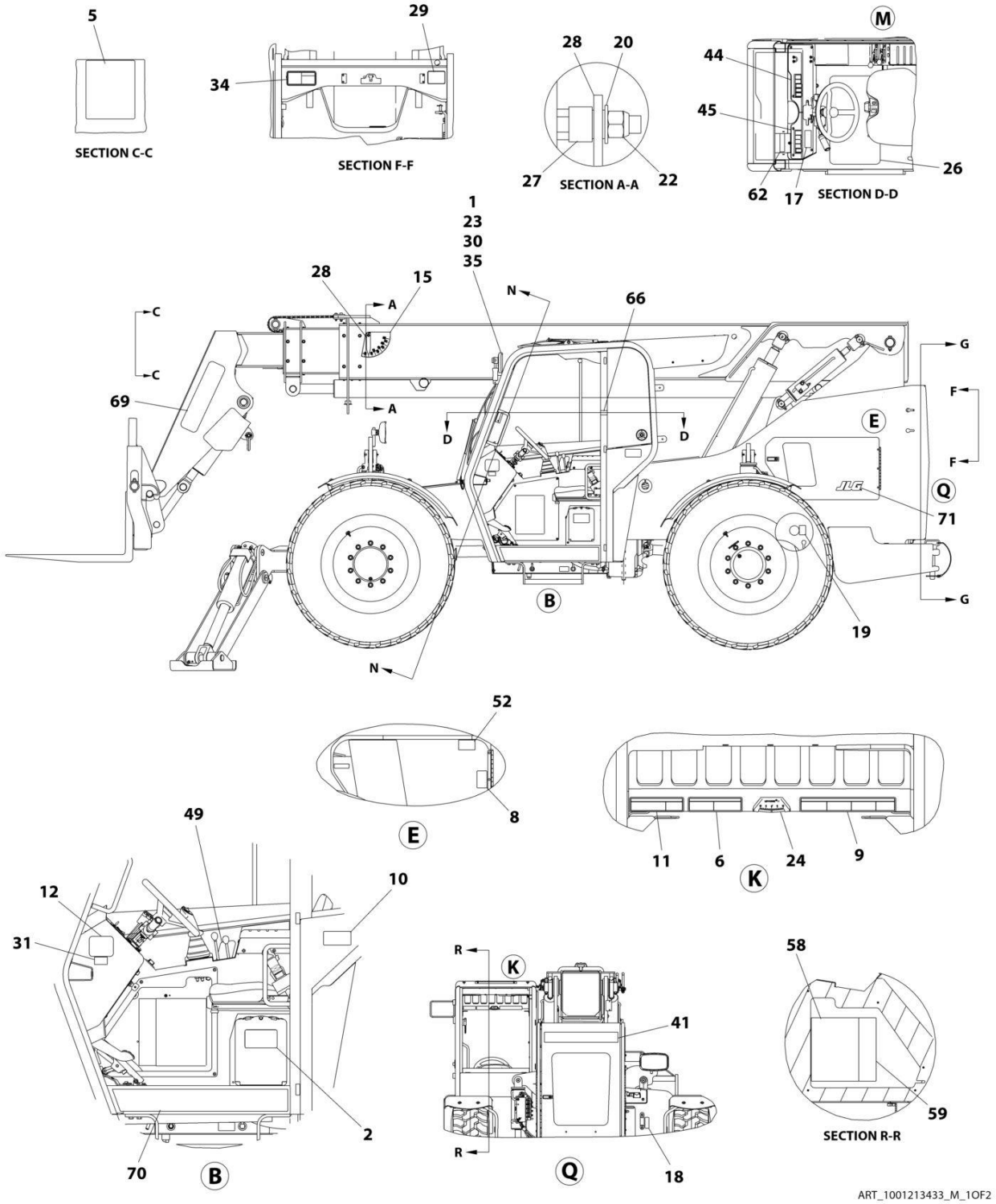
FIGURE 10-60. WIPER HARNESS

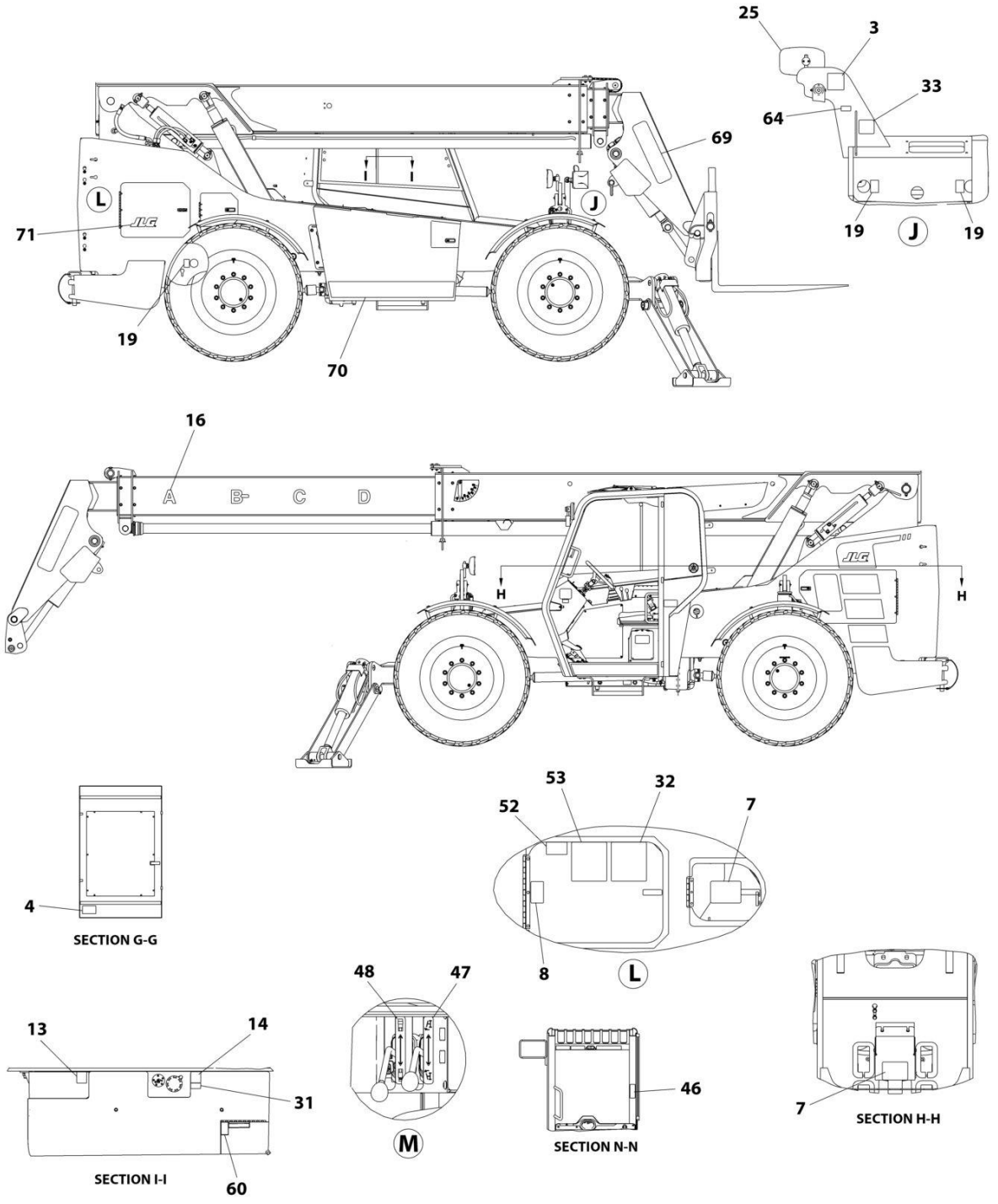
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178349	Ref	Wiper Harness	D
1	8220051	1	Terminal	
2	8220051	1	Terminal	
3	8220035	1	Terminal, Ring	
4	8220051	1	Terminal	
5	4460994	1	Housing, Terminal	
	1001169816	2	Terminal	
6	4460897	1	Connector	
	80604017	1	Lock, Wedge	
	4460464	2	Terminal	
7	8220007	1	Terminal, Ring	
8	1001127066	1	Connector	
	1001116720	3	Terminal	
9	8220904	1	Connector	
	4460419	5	Terminal	
10	1001117081	1	Connector	
	4460419	9	Terminal	
11	1001117081	1	Connector	
	4460419	9	Terminal	

SECTION 11 - DECALS

SECTION 11 - DECALS

FIGURE 11-1. DECALS INSTALLATION - 74HP (ANSI SPECS)





ART_1001213433_M_2OF2

SECTION 11 - DECALS

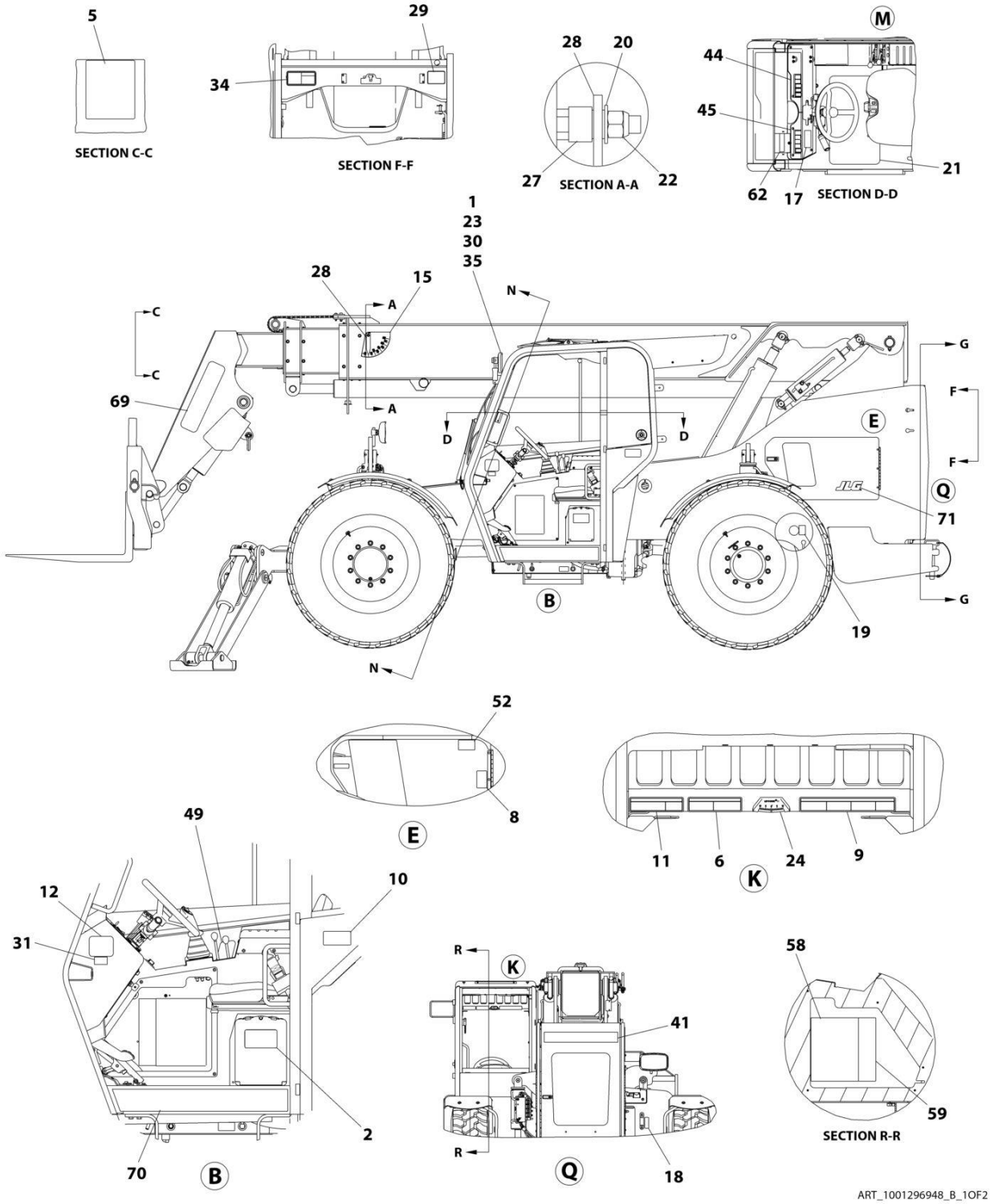
FIGURE 11-1. DECALS INSTALLATION - 74HP (ANSI SPECS)

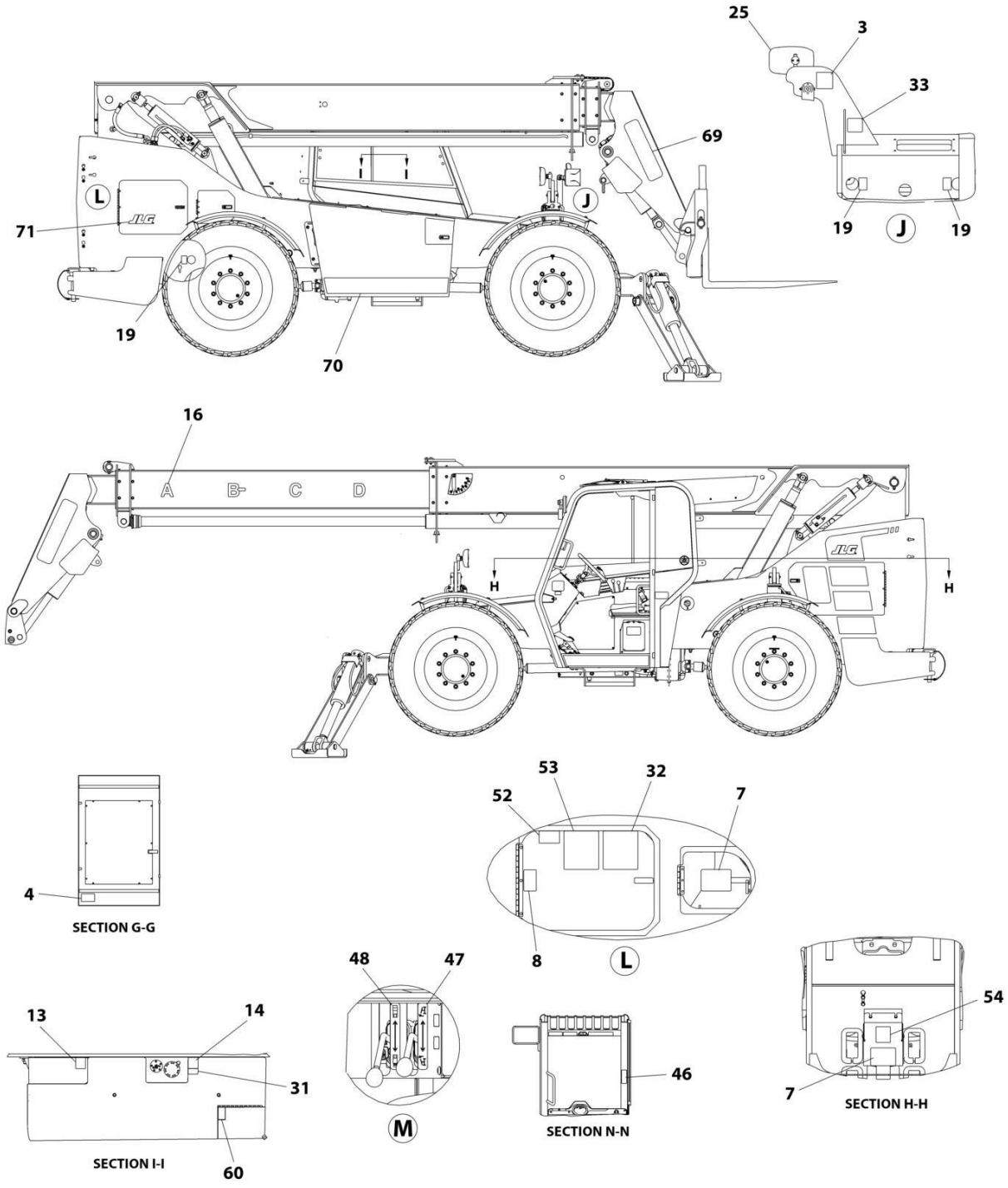
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213433	Ref	DECALS INSTALLATION - 74HP (ANSI SPECS)	M
1	0700610	2	Bolt M6 x 20	
2	1701640	1	Decal, Manual	
3	See Note	NSS	Decal, Bar Code (Note: Not Available for Purchase)	
4	1706296	1	Decal, Battery Warning (ANSI)	
5	1706298	1	Decal, Carry Personnel	
6	1706299	1	Decal, Contacting Power Lines Warning	
7	1706300	2	Decal, Ether Warning	
8	1706301	2	Decal, Keep Clear of Rotating Parts Warning	
9	1706306	1	Decal, Tip Over Warning	
10	1706768	1	Decal, No Riders	
11	1706850	1	Decal, Crush Hazard Warning	
12	3251813	1	Decal, USA	
13	4100181	1	Decal, Hydraulic Oil Fill	
14	1001189017	1	Decal, Diesel Fuel Fill	
15	4105262	1	Decal, Boom Angle Indicator	
16	4107442	1	Decal, Boom Extend Letters	
17	4107971	1	Decal, Outrigger Contact (10042 & 10054 only)	
18	4108302	1	Decal, Hydraulic Oil Level	
19	1702300	4	Decal, Tie Down	
20	4711600	1	Washer 3/8	
22	8305645	1	Locknut 3/8	
23	8307024	2	Washer, Lock M6	
24	8466306	1	Gage, Tilt Angle	
25	1001191635	1	Mirror, RH	
26	10139087	1	Tread, Safety	
27	1001096404	1	Sleeve, Angle Indicator Spacer	
28	1001098769	1	Plate, Book Angle Indicator	
29	1001109053	1	Decal, Coolant Fill	
30	1001114675	1	Arm, Mirror	
31	1001125387	2	Decal, Ultra Low Sulfur Fuel	
32	1001191996	1	Decal, Lubrication Chart 10054	
33	1001131271	1	Decal, Telehandlers Patent	
34	1001139578	1	Decal, Hot Fluid Warning	
35	1001148177	1	Mirror, Rectangular	
41	1001263821	1	Decal, Rear Door	
44	1001158272	1	Decal, RH Overlay	
45	1001158319	1	Decal, LH Overlay	
46	1001162734	1	Decal, Joystick Control	
47	1001162735	1	Decal, Sway Control	
48	1001162736	1	Decal, Auxiliary Control	
49	1001162737	1	Decal, Outrigger Control 10054 & 10042	
52	1001202626	2	Decal, 74HP	
53	1001202627	1	Decal, Maintenance Chart	
58	1001189327	1	Decal, Main Fuse Panel	
59	1001189328	1	Decal, Fuse Panel	
60	1001207217	1	Decal, Danger Swinging Load	
62	1001218659	1	Decal, Brake Fluid Spec	
64	1001223453	1	Decal, ICES (CAN)	
66	1001231801	1	Decal, Warning PROP 65 Diesel	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
69	1001263589	2	Decal, Model Boom Head	
70	1001274439	2	Decal - Cab Side	
71	1001274444	2	Decal - JLG Logo	

SECTION 11 - DECALS

FIGURE 11-2. DECAL INSTALLATION HRC 74HP





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SECTION 11 - DECALS

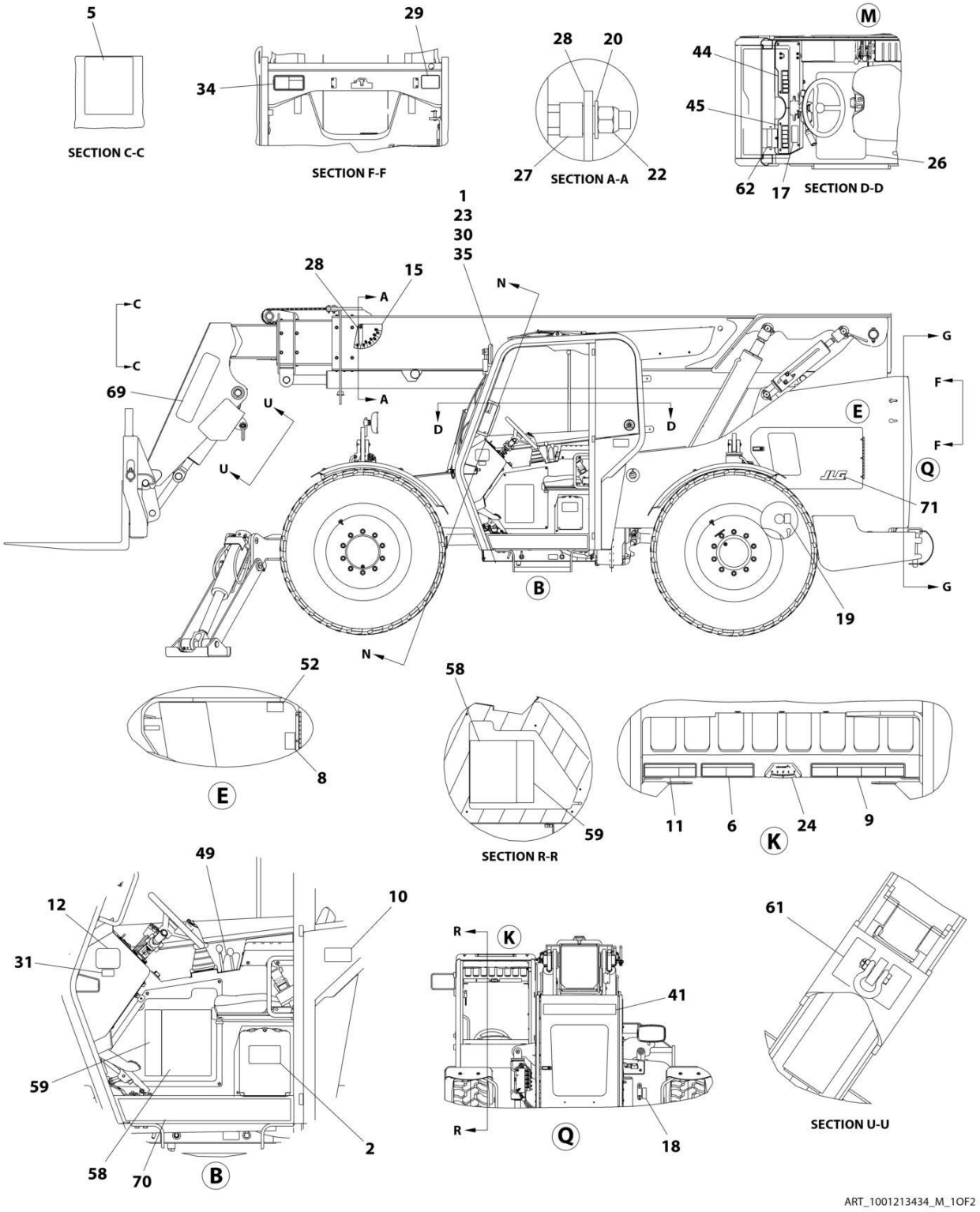
FIGURE 11-2. DECAL INSTALLATION HRC 74HP

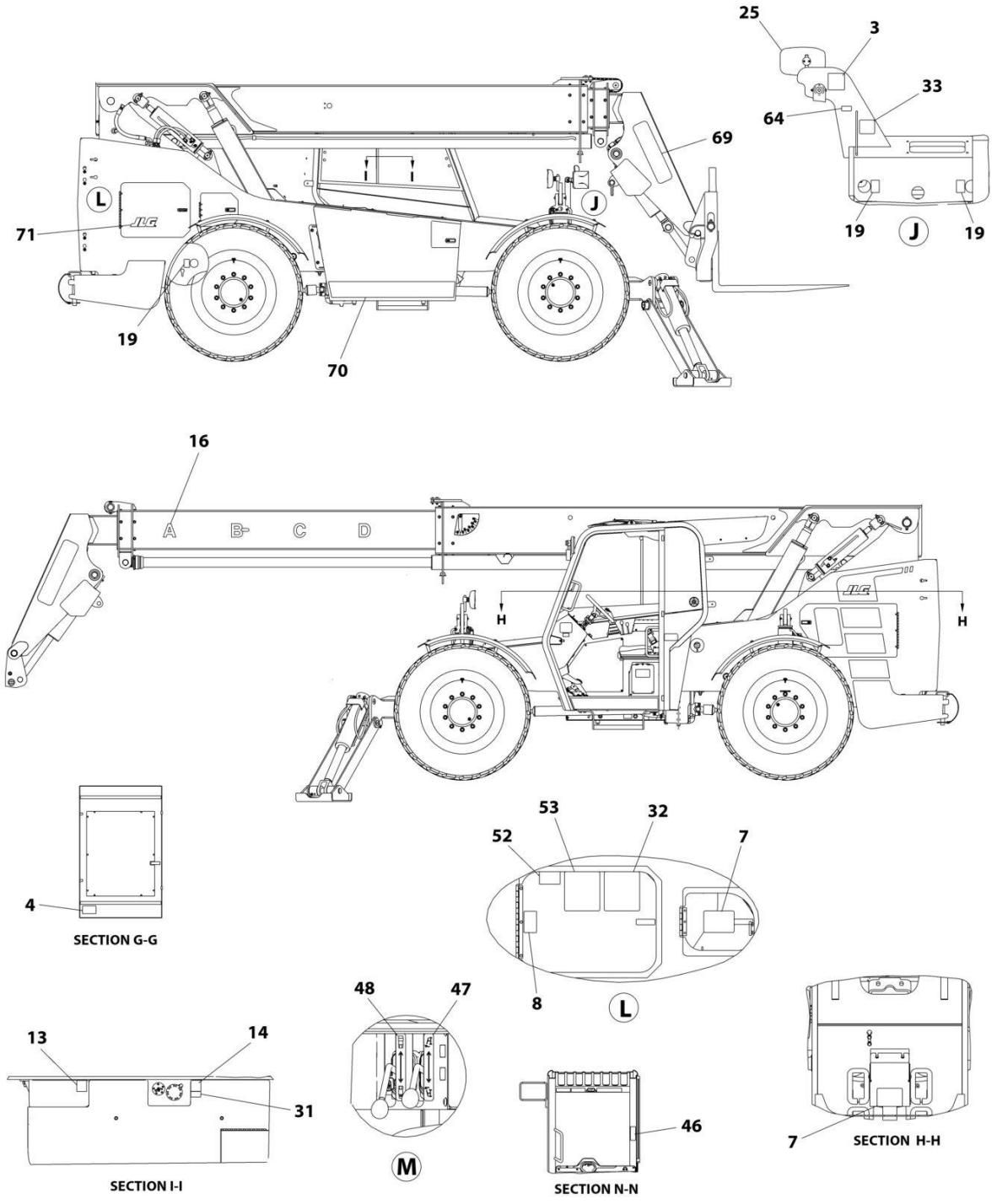
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296948	Ref	DECALS INSTALLATION HRC 74HP	B
1	0700610	2	Bolt M6 x 20	
2	1701640	1	Decal - Manual	
3	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
4	1706281	1	Decal - Battery Warning (IOS)	
5	1706282	1	Decal - Carry Personnel	
6	1706284	1	Decal - Electrocution Hazard (ISO)	
7	1706098	2	Decal - Warning Ether Start	
8	1706285	2	Decal - Moving Parts (ISO)	
9	1706288	1	Decal - Tipover Warning (ISO)	
10	1001092878	1	Decal - No Riders (ISO)	
11	1001092877	1	Decal - Crush Hazard Warning (ISO)	
12	3251813	1	Decal - USA	
13	4100181	1	Decal - Hydraulic Oil Fill	
14	1001189017	1	Decal - Diesel Fuel Fill	
15	4105262	1	Decal - Boom Angle Indicator	
16	4107442	1	Decal - Boom Extend Letters	
17	1706279	1	Decal - Warning Outrigger	
18	4108302	1	Decal - Hydraulic Oil Level	
19	1702300	4	Decal - Tie Down	
20	4711600	1	Washer 3/8	
21	10139087	1	Tread, Safety	
22	8305645	1	Nut 3/8	
23	8307024	2	Washer, Lock M6	
24	8466306	1	Gage, Tilt Angle	
25	1001191635	1	Mirror RH	
27	1001096404	1	Sleeve, Angle Indicator Spacer	
28	1001098769	1	Plate, Boom Angle Indicator	
29	1001109053	1	Decal - Coolant Fill	
30	1001114675	1	Arm, Mirror	
31	1001125387	2	Decal - Ultra Low Sulfur Fuel	
32	1001191996	1	Decal - Lubrication Chart 8042	
33	1001131271	1	Decal - Telehandlers Patent	
34	1001139942	1	Decal - Hot Fluid Warning	
35	1001148177	1	Mirror, Rectangular	
41	1001263821	1	Decal - Rear Door	
44	1001158321	1	Decal - RH Overlay	
45	1001158320	1	Decal - LH Overlay	
46	1001162734	1	Decal - Joystick Control	
47	1001162735	1	Decal - Sway Control	
48	1001162736	1	Decal - Auxiliary Control	
49	1001162737	1	Decal - Outrigger Control	
52	1001202626	2	Decal - MCO 74HP	
53	1001202627	1	Decal - Maintenance Chart	
54	1001142452	1	Decal - No Step	
58	1001189327	1	Decal - Main Fuse Panel	
59	1001189328	1	Decal - Fuse Panel	
61	1001207218	1	Decal - Danger Swinging Load (Not Shown)	
62	1001219211	1	Decal - Brake Fluid	
69	1001263589	2	Decal - Model Boom Head 8042	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
70	1001274439	2	Decal - Cab Side	
71	1001274444	2	Decal - JLG Logo	

SECTION 11 - DECALS

FIGURE 11-3. DECALS INSTALLATION - 74HP (ENGLISH/FRENCH SPECS)





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SECTION 11 - DECALS

FIGURE 11-3. DECALS INSTALLATION - 74HP (ENGLISH/FRENCH SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213434	Ref	DECALS INSTALLATION - 74HP (ENGLISH/FRENCH SPECS)	M
1	0700610	2	Bolt M6 x 20	
2	1701640	1	Decal, Manual	
3	See Note	NSS	Decal, Bar Code (Note: Not Available for Purchase)	
4	1001163174	1	Decal, Battery Warning (CAN)	
5	1001163206	1	Decal, Carry Personnel (CAN)	
6	1001163210	1	Decal, Electrocution Hazard (CAN)	
7	1001163212	2	Decal, Ether Starting Warning (CAN)	
8	1001163222	2	Decal, Keep Clear of Rotating Parts (CAN)	
9	1001163285	1	Decal, Tip Over Warning (CAN)	
10	1001163300	1	Decal, No Riders (CAN)	
11	1001163304	1	Decal, Crush Hazard Warning (CAN)	
12	3251813	1	Decal, USA	
13	4100181	1	Decal, Hydraulic Oil Fill	
14	1001189017	1	Decal, Diesel Fuel Fill	
15	4105262	1	Decal, Boom Angle Indicator	
16	4107442	1	Decal, Boom Extend Letters	
17	1001187239	1	Decal, Outrigger (ENG/FR)	
18	4108302	1	Decal, Hydraulic Oil Level	
19	1702300	4	Decal, Tie Down	
20	4711600	1	Washer 3/8	
22	8305645	1	Locknut 3/8	
23	8307024	2	Washer, Lock M6	
24	8466306	1	Gage, Tilt Angle	
25	1001191635	1	Mirror, RH	
26	10139087	1	Tread, Safety	
27	1001096404	1	Sleeve, Angle Indicator Spacer	
28	1001098769	1	Plate, Boom Angle Indicator	
29	1001109053	1	Decal, Coolant Fill	
30	1001114675	1	Arm, Mirror	
31	1001163355	2	Decal, Ultra Low Sulfur Fuel (CAN)	
32	1001191996	1	Decal, Lubrication Chart 10054	
33	1001131271	1	Decal, Telehandlers Patent	
34	1001163323	1	Decal, Hot Fluid Warning (CAN)	
35	1001148177	1	Mirror, Rectangular	
41	1001263821	1	Decal, Rear Door	
44	1001180175	1	Decal, RH Overlay	
45	1001180176	1	Decal, LH Overlay	
46	1001162734	1	Decal, Joystick Control	
47	1001162735	1	Decal, Sway Control	
48	1001162736	1	Decal, Auxiliary Control	
49	1001162737	1	Decal, Outrigger Control 10054 & 10042	
52	1001202626	2	Decal, 74HP	
53	1001202627	1	Decal, Maintenance Chart	
58	1001189327	1	Decal, Main Fuse Panel	
59	1001189328	1	Decal, Fuse Panel	
61	1001211278	1	Decal, Swinging Load Decal Kit (CAN)	
62	1001219211	1	Decal, Brake Fluid Spec	
64	1001223453	1	Decal, ICES (CAN)	
69	1001263589	2	Decal, Model Boom Head	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
70	1001274439	2	Decal - Cab Side	
71	1001274444	2	Decal - JLG Logo	

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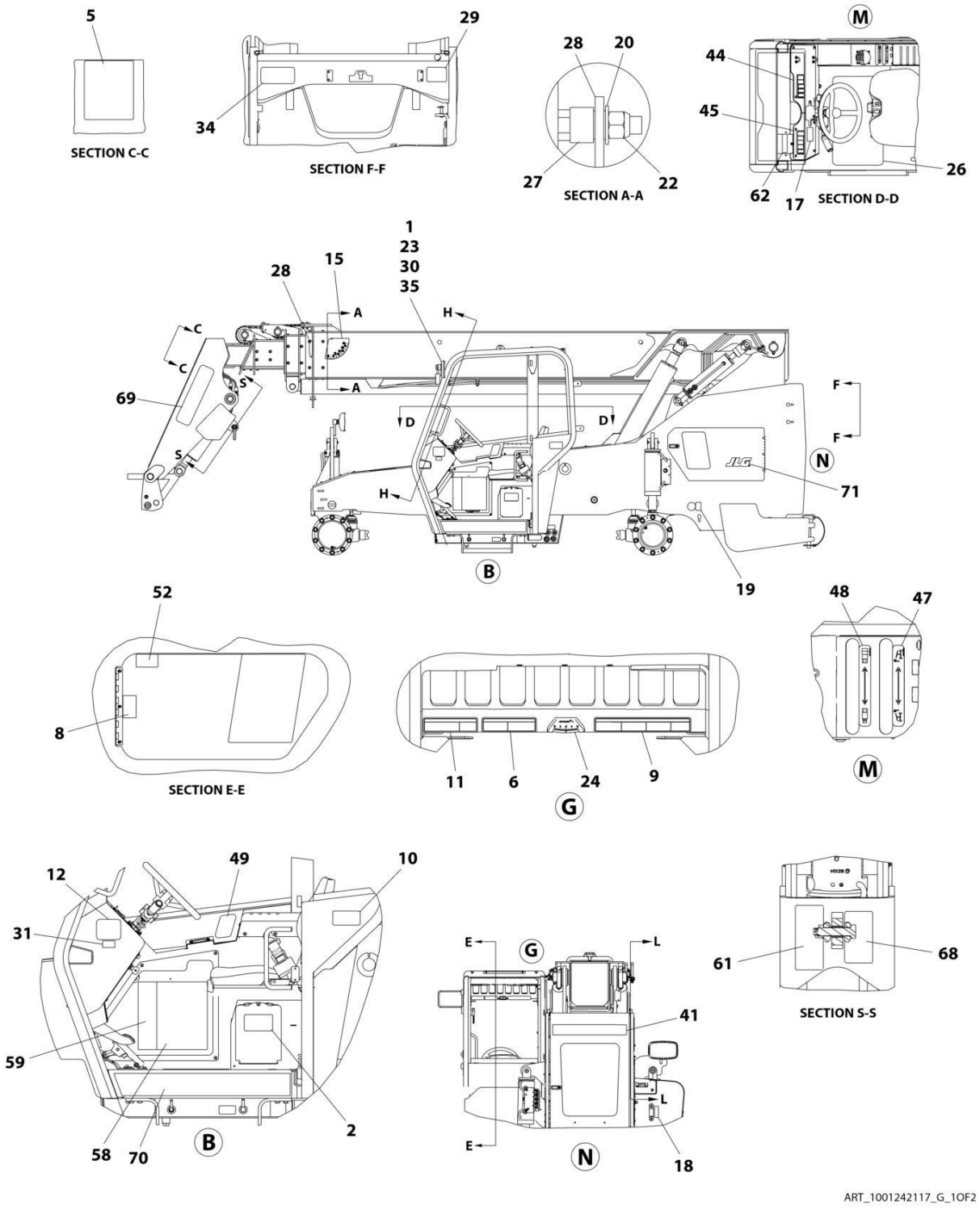
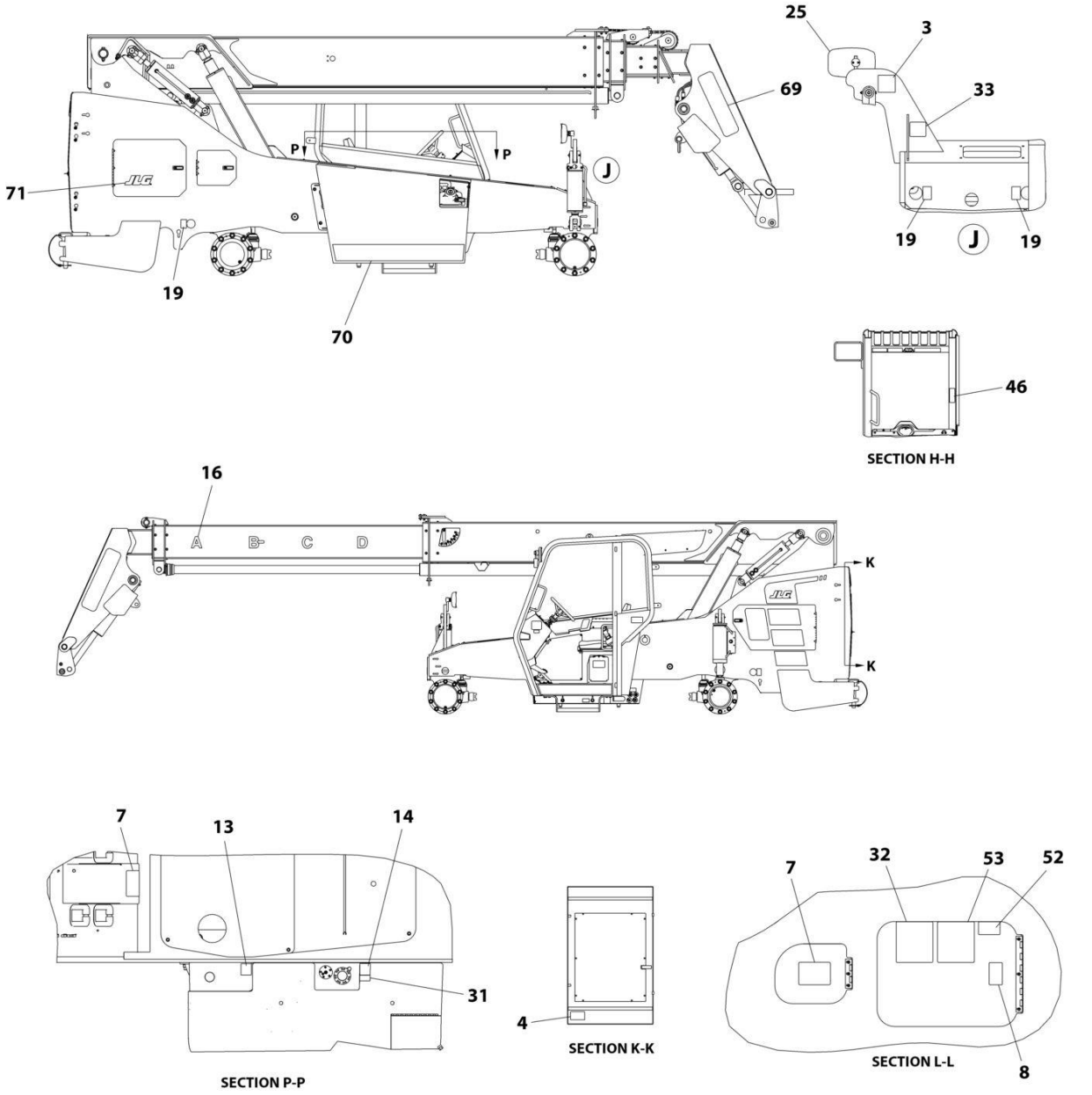
FIGURE 11-4. DECALS INSTALLATION - 74HP ULS (ENGLISH/SPANISH SPECS)





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SECTION 11 - DECALS

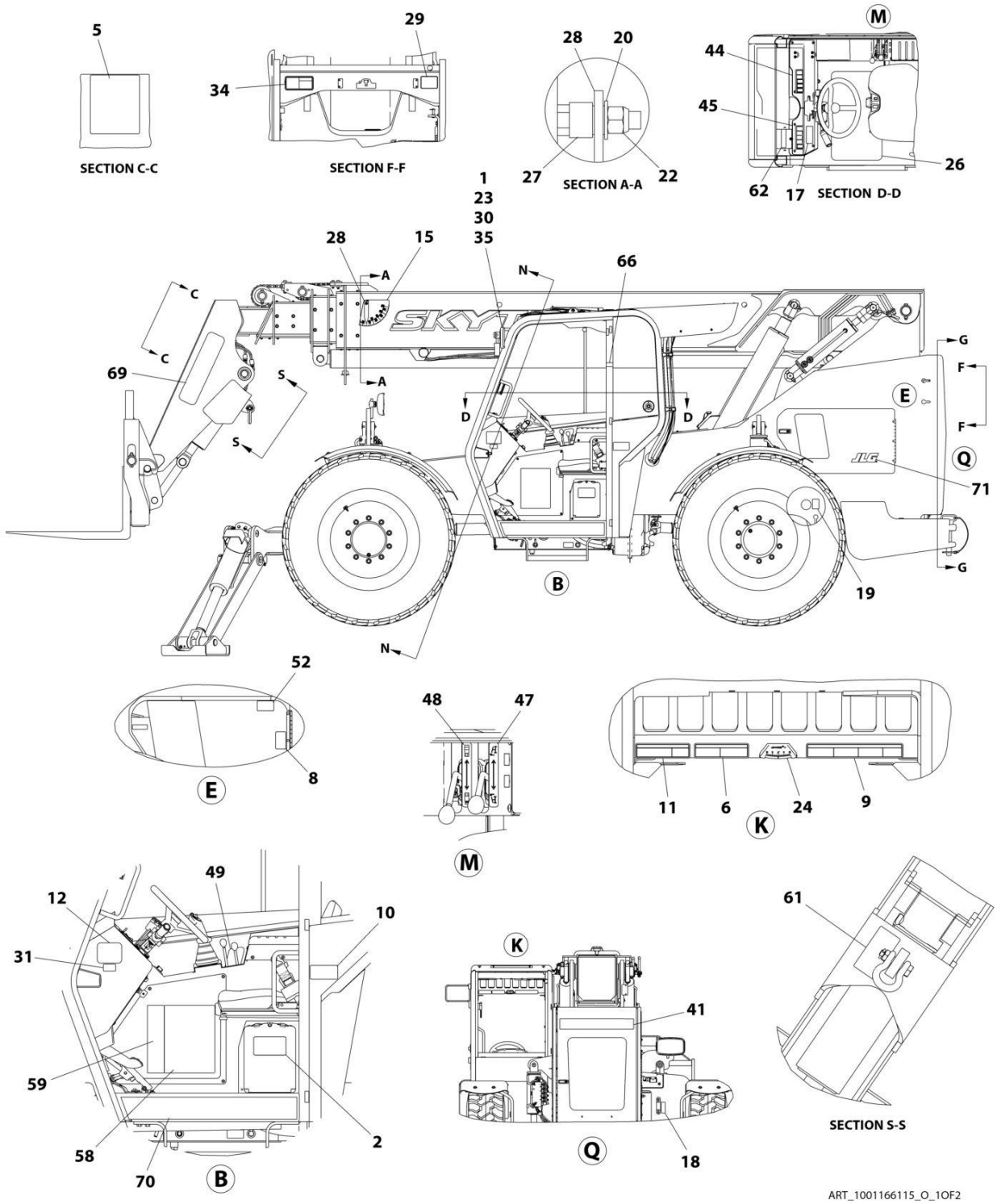
FIGURE 11-4. DECALS INSTALLATION - 74HP ULS (ENGLISH/SPANISH SPECS)

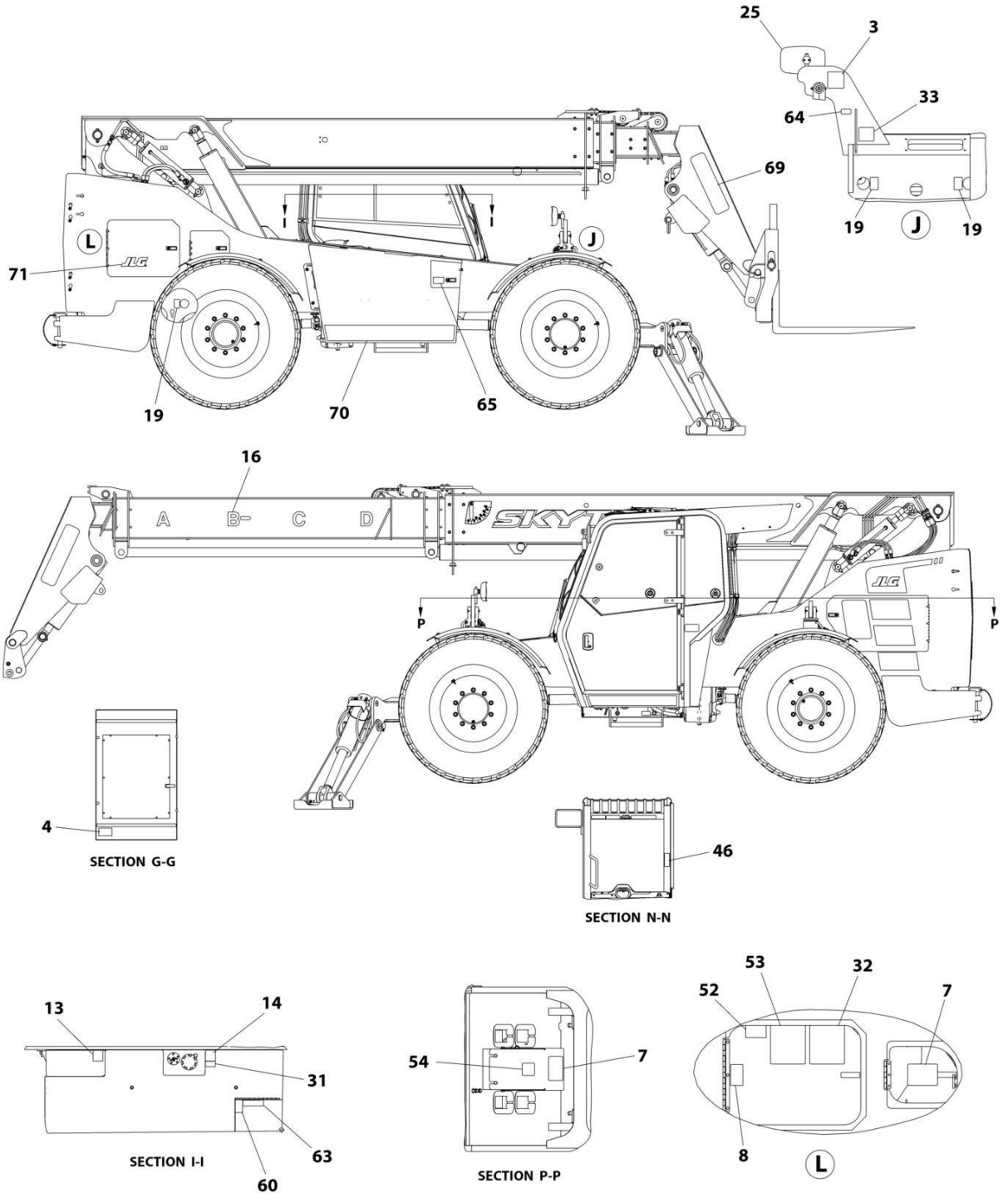
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242117	Ref	DECALS INSTALLATION - 74HP ULS (ENGLISH/SPANISH SPECS)	G
1	0700610	2	Bolt M6 x 20	
2	1701640	1	Decal, Manual	
3	See Note	NSS	Decal, Bar Code (Note: Not Available for Purchase)	
4	1001235794	1	Decal, Battery Warning (SPAN)	
5	1001235796	1	Decal, Carry Personnel (SPAN)	
6	1001235797	1	Decal, Electrocution Hazard (SPAN)	
7	1001235798	2	Decal, Warning No Either (SPAN)	
8	1001235799	2	Decal, Moving Parts (SPAN)	
9	1001235801	1	Decal, Tipover Warning	
10	1001235802	1	Decal, No Riders	
11	1001235803	1	Decal, Warning Crushing Hazard (SPAN)	
12	3251813	1	Decal, USA	
13	4100181	1	Decal, Hydraulic Oil Fill	
14	1001189017	1	Decal, Diesel Fuel Fill	
15	4105262	1	Decal, Boom Angle Indicator	
16	4107442	1	Decal, Boom Extend Letters	
17	1001242122	1	Decal, Outrigger (ENG/SPAN)	
18	4108302	1	Decal, Hydraulic Oil Level	
19	1702300	4	Decal, Tie Down	
20	4711600	1	Washer 3/8	
22	8305645	1	Locknut 3/8	
23	8307024	2	Washer, Lock M6	
24	8466306	1	Gage, Tilt Angle	
25	1001191635	1	Mirror, RH	
26	10139087	1	Tread, Safety	
27	1001096404	1	Sleeve, Angle Indicator Spacer	
28	1001098769	1	Plate, Boom Angle Indicator	
29	1001109053	1	Decal, Coolant Fill	
30	1001114675	1	Arm, Mirror	
31	1001235804	2	Decal, Ultra Low Sulfur Fuel (SPAN)	
32	1001191996	1	Decal, Lubrication Chart 10054	
33	1001131271	1	Decal, Telehandlers Patent	
34	1001235805	1	Decal, Hot Fluid Warning	
35	1001148177	1	Mirror, Rectangular	
41	1001263821	1	Decal, Rear Door	
44	1001242172	1	Decal, RH Overlay	
45	1001242173	1	Decal, LH Overlay	
46	1001162734	1	Decal, Joystick Control	
47	1001162735	1	Decal, Sway Control	
48	1001162736	1	Decal, Auxiliary Control	
49	1001162737	1	Decal, Outrigger Control	
52	1001236313	2	Decal, MCO 74HP (SPAN)	
53	1001202627	1	Decal, Maintenance Chart	
58	1001189327	1	Decal, Main Fuse Panel	
59	1001189328	1	Decal, Fuse panel	
61	1001246078	1	Decal, Danger Swinging Load Boom (SPAN)	
62	1001219211	1	Decal, Brake Fluid Spec	
68	1001242179	1	Decal, Danger Swinging Load Boom Head (SPAN)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
69	1001263589	2	Decal, Model Boom Head	
70	1001274439	2	Decal - Cab Side	
71	1001274444	2	Decal - JLG Logo	

SECTION 11 - DECALS

FIGURE 11-5. DECALS INSTALLATION - 110HP ULS (ANSI SPECS)





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SECTION 11 - DECALS

FIGURE 11-5. DECALS INSTALLATION - 110HP ULS (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166115	Ref	DECALS INSTALLATION (ANSI) 110HP - 10054	O
1	0700610	2	Bolt, M6 x 20	
2	1701640	1	Decal, Manual	
3	See Note	NSS	Decal, Bar Code (Note: Not Available for Purchase)	
4	1706296	1	Decal, Battery Hazard	
5	1706298	1	Decal, Carry Personnel	
6	1706299	1	Decal, Contacting Power Lines Warning	
7	1706300	2	Decal, Ether Warning	
8	1706301	2	Decal, Keep Clear of Rotating Parts	
9	1706306	1	Decal, Tip Over Warning	
10	1706768	1	Decal, No Riders	
11	1706850	1	Decal, Crush Hazard Warning	
12	3251813	1	Decal, USA	
13	4100181	1	Decal, Hydraulic Oil Fill	
14	1001189017	1	Decal, Diesel Fuel Fill	
15	4105262	1	Decal, Boom Angle Indicator	
16	4107442	1	Decal, Boom Extend Letters	
17	4107971	1	Decal, Outrigger Contact (10042 & 10054)	
18	4108302	1	Decal, Hydraulic Oil Level	
19	1702300	4	Decal, Tie Down	
20	4711600	1	Washer, 3/8	
22	8305645	1	Nut, Lock 3/8	
23	8307024	2	Washer, Lock M6	
24	8466306	1	Gage, Tilt Angle	
25	1001191635	1	Mirror, RH	
26	10139087	1	Tread, Safety	
27	1001096404	1	Sleeve, Angle Indicator Spacer	
28	1001098769	1	Plate, Boom Angle Indicator	
29	1001109053	1	Decal, Coolant Fill	
30	1001114675	1	Arm, Mirror	
31	1001125387	2	Decal, Ultra Low Sulfur Fuel	
32	1001191996	1	Decal, Lubrication Chart 10054	
33	1001131271	1	Decal, Telehandlers Patent	
34	1001139578	1	Decal, Hot Fluid Warning	
35	1001148177	1	Mirror, Rectangular	
41	1001263821	1	Decal, Rear Door	
44	1001158272	1	Decal, RH Overlay	
45	1001158319	1	Decal, LH Overlay	
46	1001162734	1	Decal, Joystick Control	
47	1001162735	1	Decal, Sway Control	
48	1001162736	1	Decal, Auxiliary Control	
49	1001162737	1	Decal, Outrigger Control (10054 & 10042)	
52	1001173422	2	Decal, MCO 110HP	
53	1001174152	1	Decal, Maintenance Chart	
54	1001142452	1	Decal, No Step	
58	1001189327	1	Decal, Main Fuse Panel	
59	1001189328	1	Decal, Fuse panel	
60	1001196806	1	Decal, Diesel Exhaust Fluid	
61	1001207217	1	Decal, Danger Swinging Load	
62	1001218659	1	Decal, Brake Fluid Spec	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
63	1001219212	1	Decal, DEF Fluid	
64	1001223453	1	Decal, ICES (CAN)	
65	1001230307	1	Decal, Cummins DEF Tank Service	
66	1001231801	1	Decal, Warning Prop 65 Diesel	
69	1001263589	1	Decal, Model Boom Head	
70	1001274439	2	Decal - Cab Side	
71	1001274444	2	Decal - JLG Logo	

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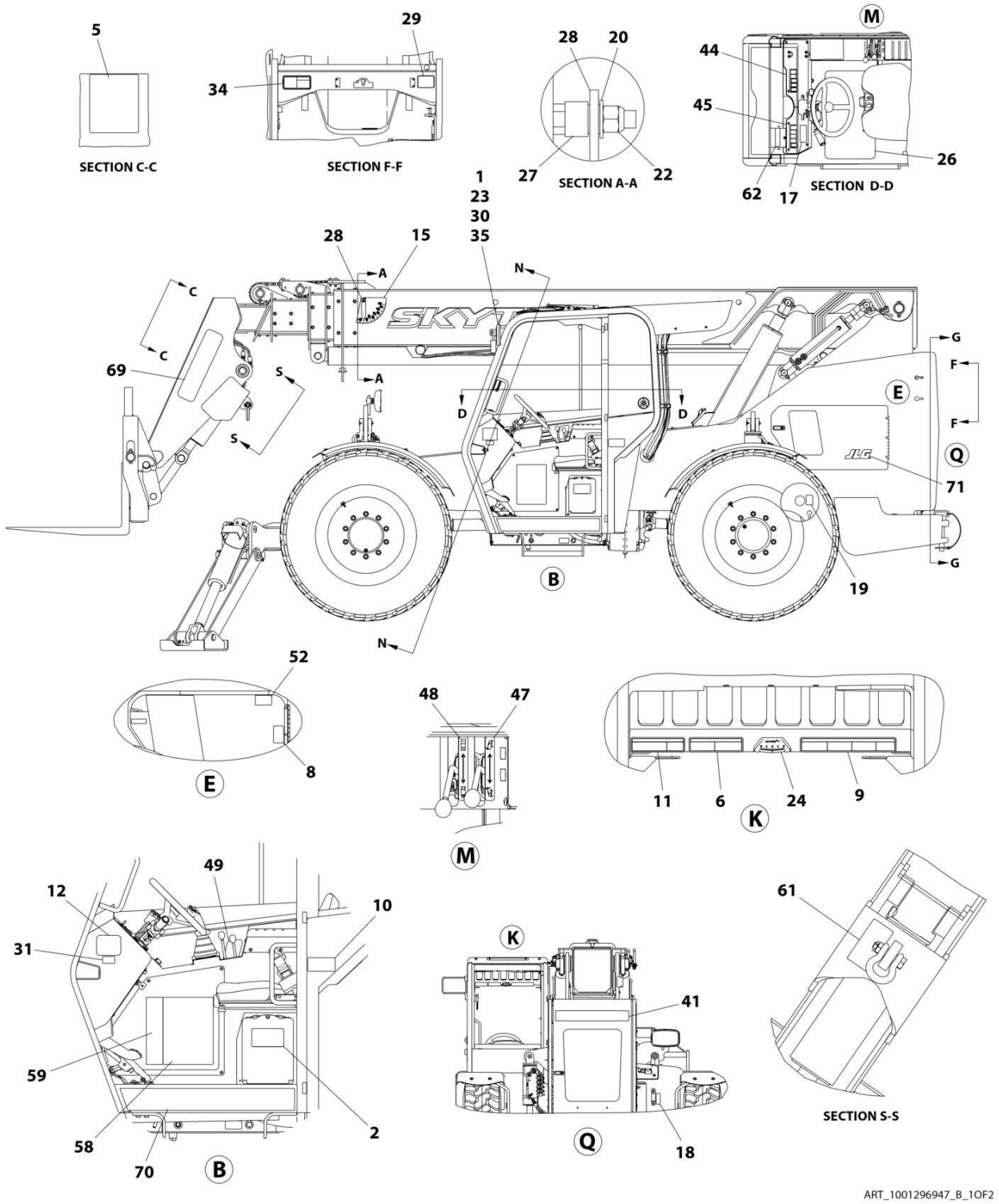
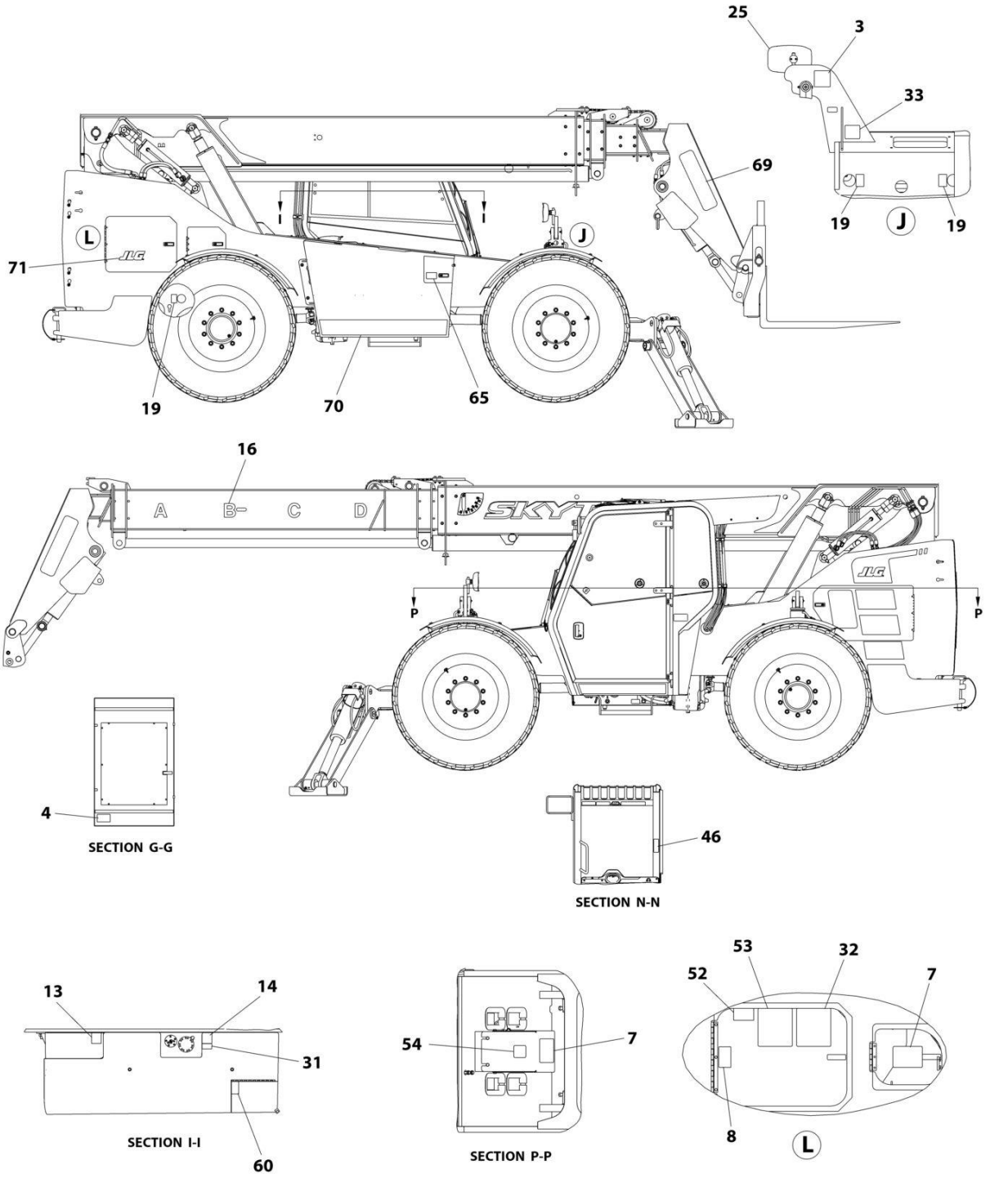
FIGURE 11-6. DECAL INSTALLATION HRC 110HP

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SECTION G-G
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SECTION N-N
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SECTION I-I
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SECTION 11 - DECALS

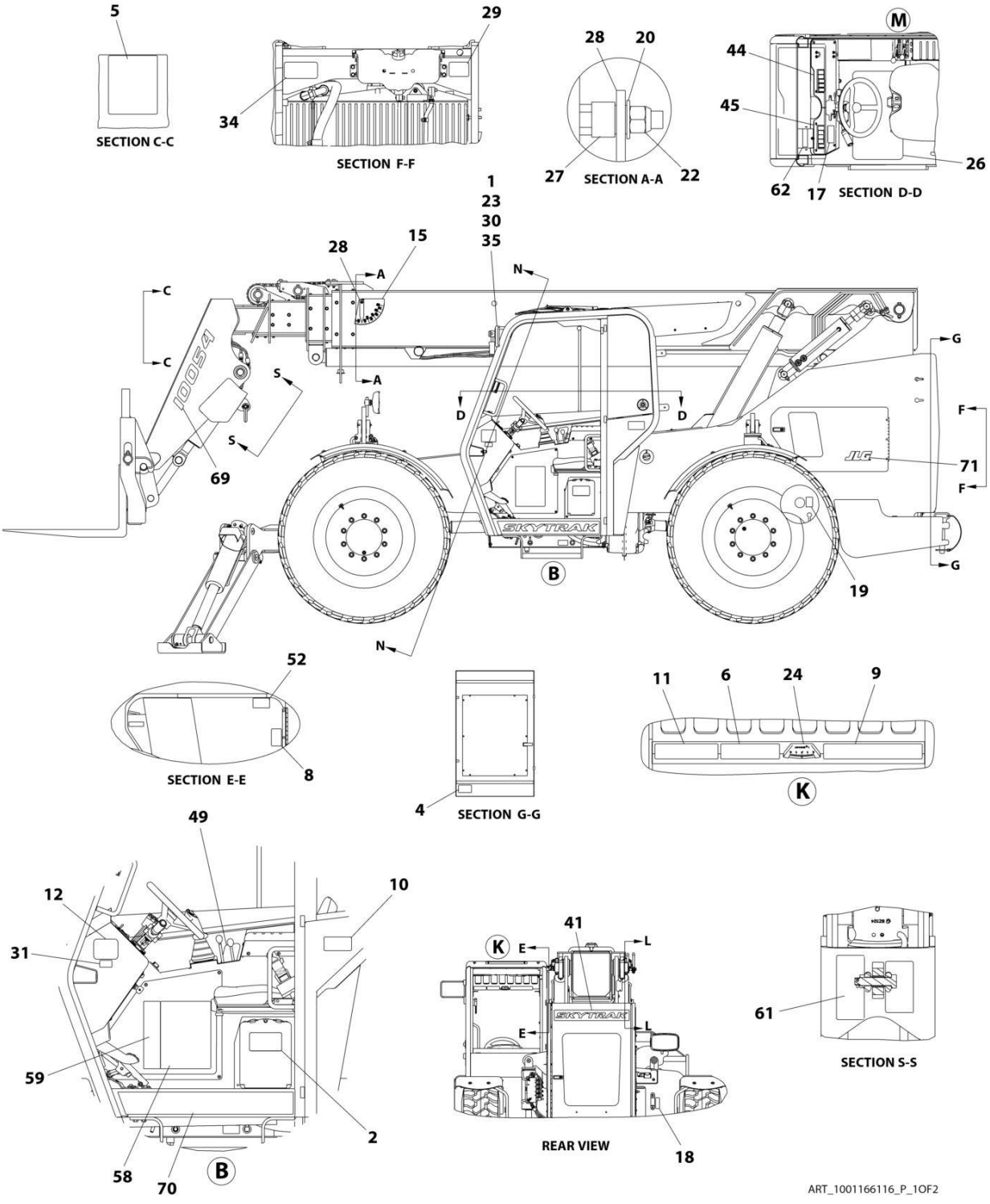
FIGURE 11-6. DECAL INSTALLATION HRC 110HP

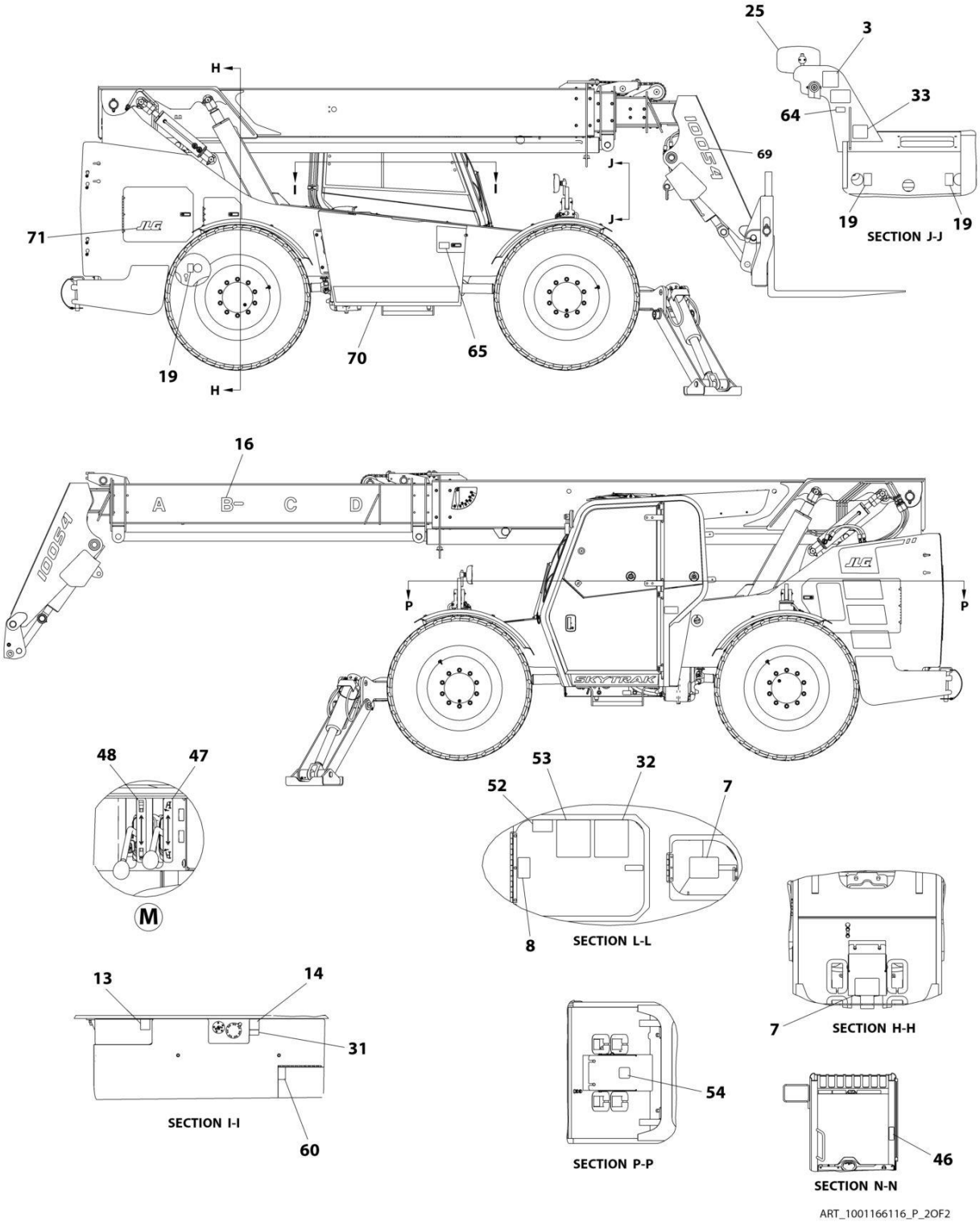
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296947	Ref	DECAL INSTALLATION HRC 110HP	B
1	0700610	2	Bolt M6 x 20	
2	1701640	1	Decal - Manual	
3	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
4	1706281	1	Decal - Battery Warning (ISO)	
5	1706282	1	Decal - Carry Personnel	
6	1706284	1	Decal - Electrocution Hazard (ISO)	
7	1706098	2	Decal - Warning Ether Start	
8	1706285	2	Decal - Moving Parts (ISO)	
9	1706288	1	Decal - Tipover Warning (ISO)	
10	1001092878	1	Decal - No Riders (ISO)	
11	1001092877	1	Decal - Crush Hazard Warning (ISO)	
12	3251813	1	Decal - USA	
13	4100181	1	Decal - Hydraulic Oil Fill	
14	1001189017	1	Decal - Diesel Fuel Fill	
15	4105262	1	Decal - Boom Angle Indicator	
16	4107442	1	Decal - Boom Extend Letters	
17	1706279	1	Decal - Warning Outrigger Contact	
18	4108302	1	Decal - Hydraulic Oil Level	
19	1702300	4	Decal - Tie Down	
20	4711600	1	Washer 3/8	
22	8305645	1	Nut 3/8	
23	8307024	2	Washer, Lock M6	
24	8466306	1	Gage, Tilt Angle	
25	1001191635	1	Mirror RH	
26	10139087	1	Tread, Safety	
27	1001096404	1	Sleeve, Angle Indicator Spacer	
28	1001098769	1	Plate, Boom Angle Indicator	
29	1001109053	1	Decal - Coolant Fill	
30	1001114675	1	Arm, Mirror	
31	1001125387	2	Decal - Ultra Low Sulfur Fuel	
32	1001191996	1	Decal - Lubrication Chart 8042	
33	1001131271	1	Decal - Telehandlers Patent	
34	1001139942	1	Decal - Hot Fluid Warning	
35	1001148177	1	Mirror, Rectangular	
41	1001263821	1	Decal - Rear Door	
44	1001158321	1	Decal - RH Overlay	
45	1001158320	1	Decal - LH Overlay	
46	1001162734	1	Decal - Joystick Control	
47	1001162735	1	Decal - Sway Control	
48	1001162736	1	Decal - Auxiliary Control	
49	1001162737	1	Decal - Outrigger Control	
52	1001173422	2	Decal - MCO 110HP	
53	1001202627	1	Decal - Maintenance Chart	
54	1001142452	1	Decal - No Step	
58	1001189327	1	Decal - Main Fuse Panel	
59	1001189328	1	Decal - Fuse panel	
60	1001196806	1	Decal - Diesel Exhaust Fluid	
61	1001207218	1	Decal - Danger Swinging Load	
62	1001219211	1	Decal - Brake Fluid Spec	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
65	1001230307	1	Decal - Cummins DEF Tank Service	
69	1001263589	2	Decal - Model Boom Head	
70	1001274439	2	Decal - Cab Side	
71	1001274444	2	Decal - JLG Logo	

SECTION 11 - DECALS

FIGURE 11-7. DECALS INSTALLATION - 110HP ULS (ENGLISH/FRENCH SPECS)

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SECTION 11 - DECALS

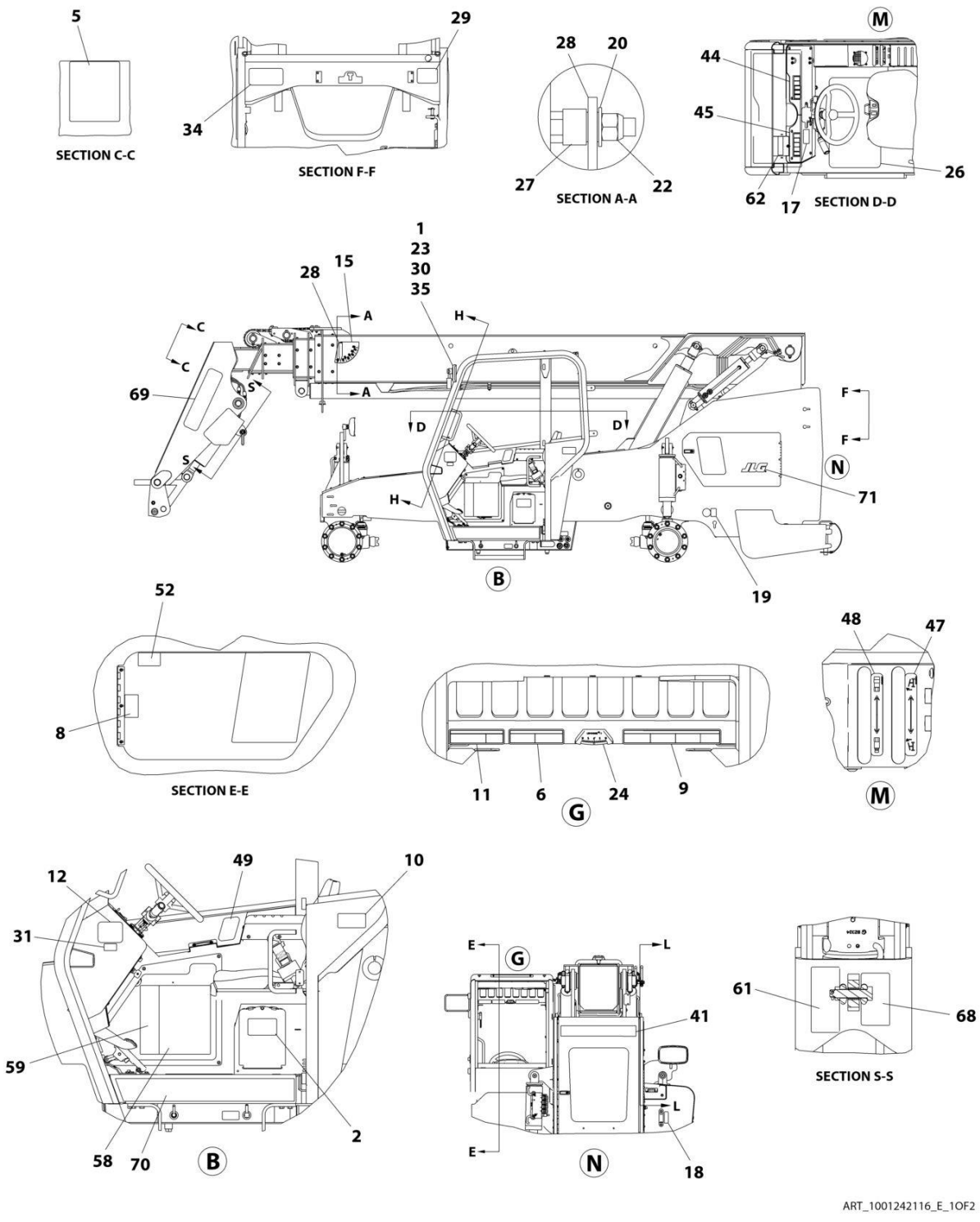
FIGURE 11-7. DECALS INSTALLATION - 110HP ULS (ENGLISH/FRENCH SPECS)

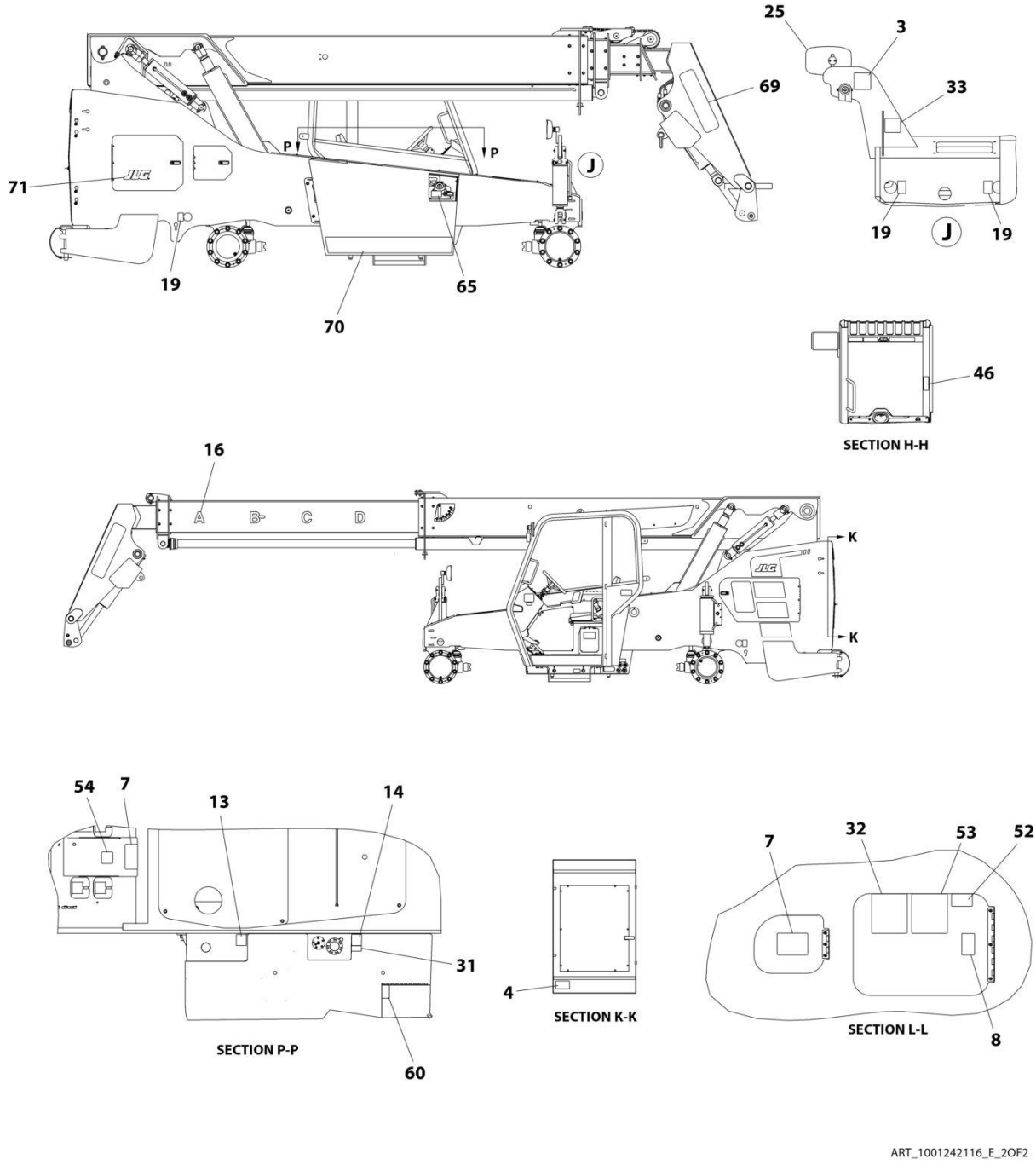
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166116	Ref	DECALS INSTALLATION (ENGLISH/FRENCH) 110HP - 10054	P
1	0700610	2	Bolt, M6X20	
2	1701640	1	Decal, Manual	
3	1702631	1	Decal, Bar Code	
4	1001163174	1	Decal, Battery Warning (CAN)	
5	1001163206	1	Decal, Carry Personnel (CAN)	
6	1001163210	1	Decal, Electrocution Hazard (CAN)	
7	1001163212	2	Decal, Ether Starting Warning (CAN)	
8	1001163222	2	Decal, Keep Clear of Rotating Parts (CAN)	
9	1001163285	1	Decal, Tip Over Warning (CAN)	
10	1001163300	1	Decal, No Riders (CAN)	
11	1001163304	1	Decal, Crush Hazard Warning (CAN)	
12	3251813	1	Decal, USA	
13	4100181	1	Decal, Hydraulic Oil Fill	
14	1001189017	1	Decal, Diesel Fuel Fill	
15	4105262	1	Decal, Boom Angle Indicator	
16	4107442	1	Decal, Boom Extend Letters	
17	1001187239	1	Decal, Outrigger (ENG/FR)	
18	4108302	1	Decal, Hydraulic Oil Level	
19	1702300	4	Decal, Tie Down	
20	4711600	1	Washer, 3/8	
22	8305645	1	Nut, Lock 3/8	
23	8307024	2	Washer, Lock M6	
24	8466306	1	Gage, Tilt Angle	
25	1001191635	1	Mirror, RH	
26	10139087	1	Tread, Safety	
27	1001096404	1	Sleeve, Angle Indicator Spacer	
28	1001098769	1	Plate, Boom Angle Indicator	
29	1001109053	1	Decal, Coolant Fill	
30	1001114675	1	Arm, Mirror	
31	1001163355	2	Decal, Ultra Low Sulfur Fuel (CAN)	
32	1001191996	1	Decal, Lubrication Chart 10054	
33	1001131271	1	Decal, Telehandlers Patent	
34	1001163323	1	Decal, Hot Fluid Warning (CAN)	
35	1001148177	1	Mirror, Rectangular	
41	1001263821	1	Decal, Rear Door	
44	1001180175	1	Decal, RH Overlay	
45	1001180176	1	Decal, LH Overlay	
46	1001162734	1	Decal, Joystick Control	
47	1001162735	1	Decal, Sway Control	
48	1001162736	1	Decal, Auxiliary Control	
49	1001162737	1	Decal, Outrigger Control 10054 & 10042	
52	1001173422	2	Decal, MCO 110HP	
53	1001174152	1	Decal, Maintenance Chart	
54	1001142452	1	Decal, No Step	
58	1001189327	1	Decal, Main Fuse Panel	
59	1001189328	1	Decal, Fuse panel	
60	1001196806	1	Decal, Diesel Exhaust Fluid	
61	1001211278	1	Decal, Swinging Load Decal Kit (CAN)	
62	1001219211	1	Decal, Brake Fluid Spec	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
64	1001223453	1	Decal, ICES (CAN)	
65	1001230309	1	Decal, EN/FR Cummins DEF Tank Services	
69	1001263589	2	Decal, Model Boom Head	
70	1001274439	2	Decal - Cab Side	
71	1001274444	2	Decal - JLG Logo	

SECTION 11 - DECALS

FIGURE 11-8. DECALS INSTALLATION - 110HP ULS (ENGLISH/SPANISH SPECS)

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SECTION 11 - DECALS

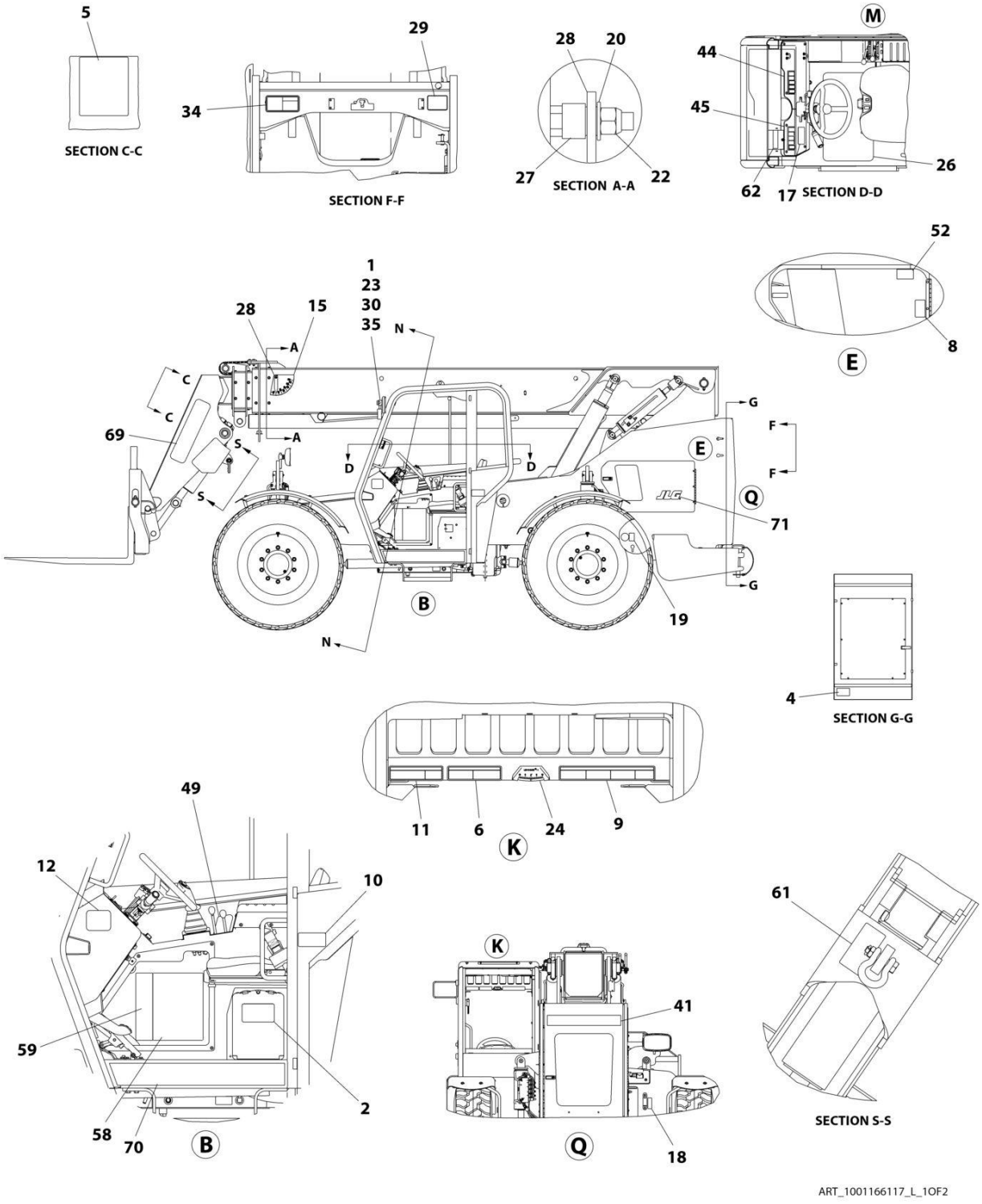
FIGURE 11-8. DECALS INSTALLATION - 110HP ULS (ENGLISH/SPANISH SPECS)

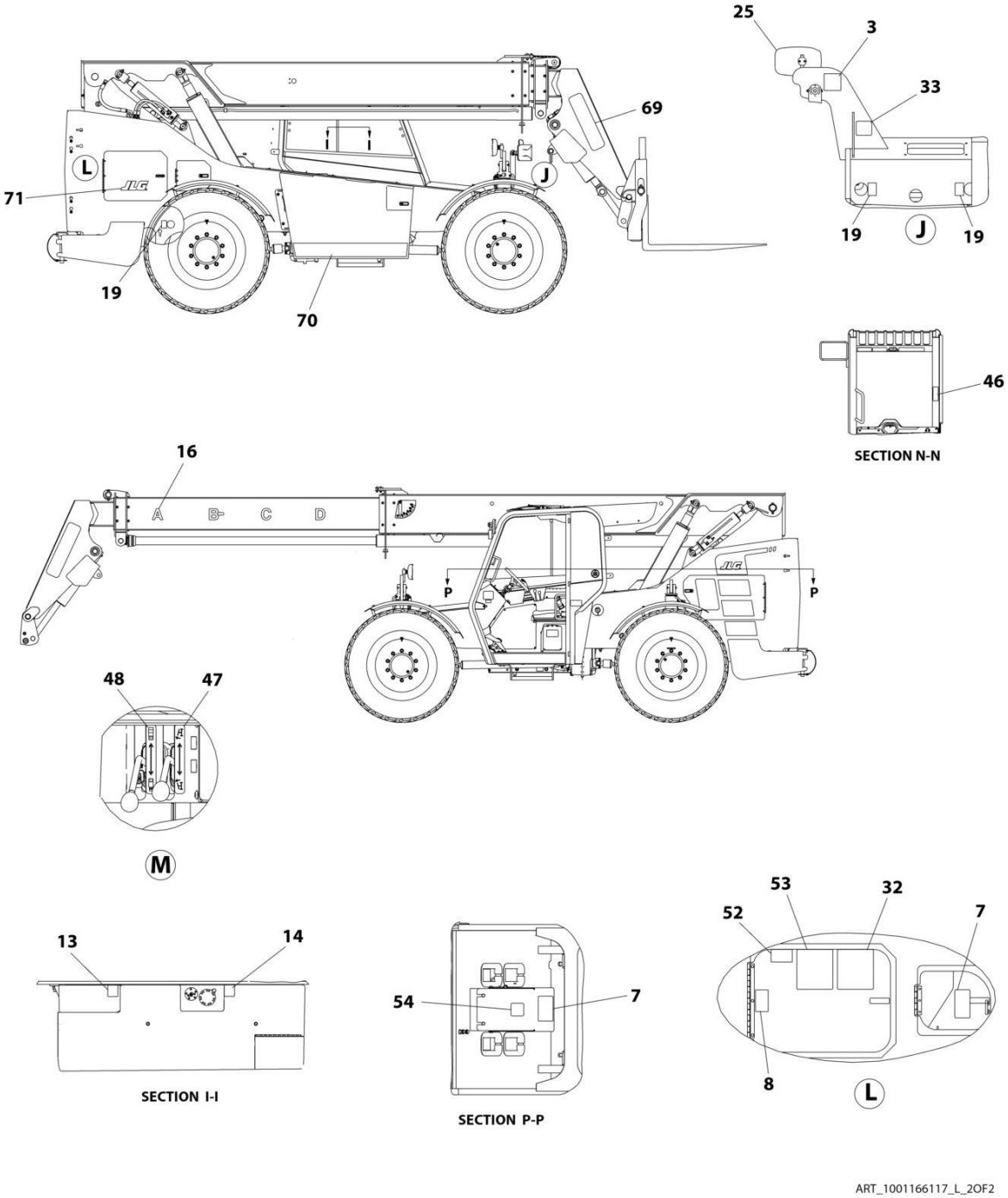
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242116	Ref	DECALS INSTALLATION (ENG/SPAN) 110HP - 10054	E
1	0700610	2	Bolt, M6 x 20	
2	1701640	1	Decal, Manual	
3	See Note	NSS	Decal, Bar Code (Note: Not Available for Purchase)	
4	1001235794	1	Decal, Battery Warning (SPAN)	
5	1001235796	1	Decal, Carry Personnel (SPAN)	
6	1001235797	1	Decal, Electrocution Hazard (SPAN)	
7	1001235798	2	Decal, No Ether Warning (SPAN)	
8	1001235799	2	Decal, Moving Parts (SPAN)	
9	1001235801	1	Decal, Tipover Warning (SPAN)	
10	1001235802	1	Decal, No Riders (SPAN)	
11	1001235803	1	Decal, Crush Hazard Warning (SPAN)	
12	3251813	1	Decal, USA	
13	4100181	1	Decal, Hydraulic Oil Fill	
14	1001189017	1	Decal, Diesel Fuel Fill	
15	4105262	1	Decal, Boom Angle Indicator	
16	4107442	1	Decal, Boom Extend Letters	
17	1001242122	1	Decal, Outrigger (ENG/SPAN)	
18	4108302	1	Decal, Hydraulic Oil Level	
19	1702300	4	Decal, Tie Down	
20	4711600	1	Washer, 3/8	
22	8305645	1	Nut, Lock 3/8	
23	8307024	2	Washer, Lock M6	
24	8466306	1	Gage, Tilt Angle	
25	1001191635	1	Mirror, RH	
26	10139087	1	Tread, Safety	
27	1001096404	1	Sleeve, Angle Indicator Spacer	
28	1001098769	1	Plate, Boom Angle Indicator	
29	1001109053	1	Decal, Coolant Fill	
30	1001114675	1	Arm, Mirror	
31	1001235804	2	Decal, Ultra Low Sulfur Fuel (SPAN)	
32	1001191996	1	Decal, Lubrication Chart 10054	
33	1001131271	1	Decal, Telehandlers Patent	
34	1001235805	1	Decal, Hot Fluid Warning (SPAN)	
35	1001148177	1	Mirror, Rectangular	
41	1001263821	1	Decal, Rear Door	
44	1001242172	1	Decal, RH Overlay (ENG/SPAN)	
45	1001242173	1	Decal, LH Overlay (ENG/SPAN)	
46	1001162734	1	Decal, Joystick Control	
47	1001162735	1	Decal, Sway Control	
48	1001162736	1	Decal, Auxiliary Control	
49	1001162737	1	Decal, Outrigger Control (10054 & 10042)	
52	1001236312	2	Decal, MCO 110HP (SPAN)	
53	1001174152	1	Decal, Maintenance Chart	
54	1001142452	1	Decal, No Step	
58	1001189327	1	Decal, Main Fuse Panel	
59	1001189328	1	Decal, Fuse panel	
60	1001196806	1	Decal, Diesel Exhaust Fluid	
61	1001246078	1	Decal, Danger Swinging Load (SPAN)	
62	1001219211	1	Decal, DEF Fluid	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
65	1001242181	1	Decal, EN/FR Cummins DEF Tank Service	
68	1001242179	1	Decal, Danger Swing Load Boom Head (SPAN)	
69	1001263589	2	Decal, Model Boom Head	
70	1001274439	2	Decal - Cab Side	
71	1001274444	2	Decal - JLG Logo	

SECTION 11 - DECALS

FIGURE 11-9. DECALS INSTALLATION - 110HP LS (ISO DECALS)

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SECTION 11 - DECALS

FIGURE 11-9. DECALS INSTALLATION - 110HP LS (ISO DECALS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166117	Ref	DECALS INSTALLATION (ISO) - 10054	L
1	0700610	2	Bolt, M6 x 20	
2	1701640	1	Decal, Manual	
3	See Note	NSS	Decal, Bar Code (Note: Not Available for Purchase)	
4	1706281	1	Decal, Battery Warning	
5	1706282	1	Decal, Carry Personnel	
6	1706284	1	Decal, Electrocution Hazard	
7	1706098	2	Decal, Ether Warning	
8	1706285	2	Decal, Moving Parts	
9	1706288	1	Decal, Tipover Warning	
10	1001092878	1	Decal, No Riders	
11	1001092877	1	Decal, Crush Hazard Warning	
12	3251813	1	Decal, USA	
13	4100181	1	Decal, Hydraulic Oil Fill	
14	1001189017	1	Decal, Diesel Fuel Fill	
15	4105262	1	Decal, Boom Angle Indicator	
16	4107442	1	Decal, Boom Extend Letters	
17	1706279	1	Decal, Warning Outrigger Contact, ISO	
18	4108302	1	Decal, Hydraulic Oil Level	
19	1702300	4	Decal, Tie Down	
20	4711600	1	Washer, 3/8	
22	8305645	1	Nut, Lock 3/8	
23	8307024	2	Washer, Lock M6	
24	8466306	1	Gage, Tilt Angle	
25	1001191635	1	Mirror, RH	
26	10139087	1	Tread, Safety	
27	1001096404	1	Sleeve, Angle Indicator Spacer	
28	1001098769	1	Plate, Boom Angle Indicator	
29	1001109053	1	Decal, Coolant Fill	
30	1001114675	1	Arm, Mirror	
32	1001191996	1	Decal, Lubrication Chart 10054	
33	1001131271	1	Decal, Telehandlers Patent	
34	1001139942	1	Decal, Hot Fluid Warning	
35	1001148177	1	Mirror, Rectangular	
41	1001263821	1	Decal, Rear Door	
44	1001158321	1	Decal, Overlay RH (ISO)	
45	1001158320	1	Decal, Overlay LH (ISO)	
46	1001162734	1	Decal, Joystick Control	
47	1001162735	1	Decal, Sway Control	
48	1001162736	1	Decal, Auxiliary Control	
49	1001162737	1	Decal, Outrigger Control, 10054 & 10042	
52	1001173422	2	Decal, MCO 110HP	
53	1001202627	1	Decal, Maintenance Charts	
54	1001142452	1	Decal, No Step	
58	1001189327	1	Decal, Main Fuse Panel	
59	1001189328	1	Decal, Fuse Panel	
61	1001207218	1	Decal, Danger Swinging Load	
62	1001219211	1	Decal, Brake Fluid Spec	
69	1001263589	2	Decal, Model Boom Head	
70	1001274439	2	Decal - Cab Side	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
71	1001274444	2	Decal - JLG Logo	

FIGURE 11-10. BOOM DECALS INSTALLATION

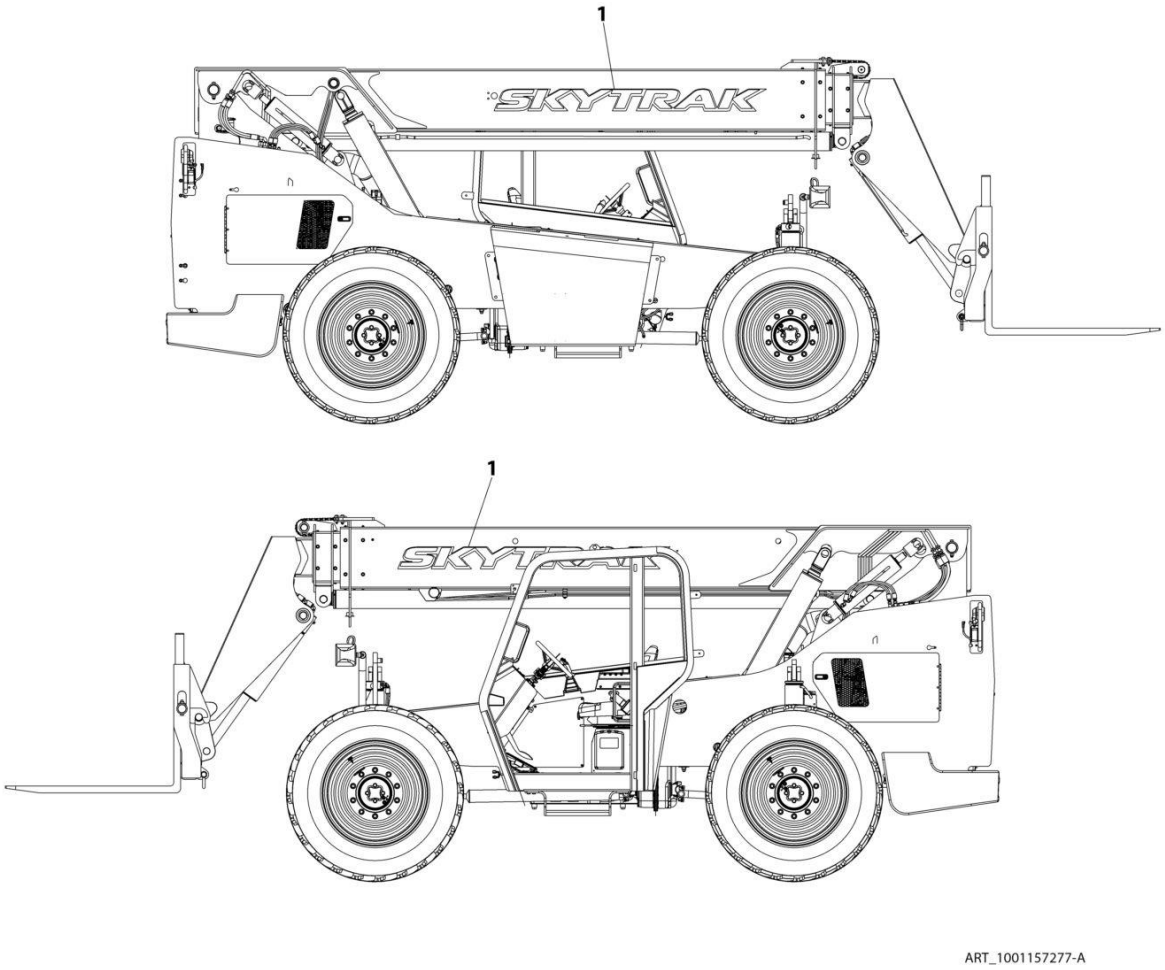

FIGURE 11-10. BOOM DECALS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157277	Ref	Boom Decal Installation	A
1	1001157275	2	Decal, Boom SkyTrak	

FIGURE 11-11. CLEARSKY DECALS INSTALLATION

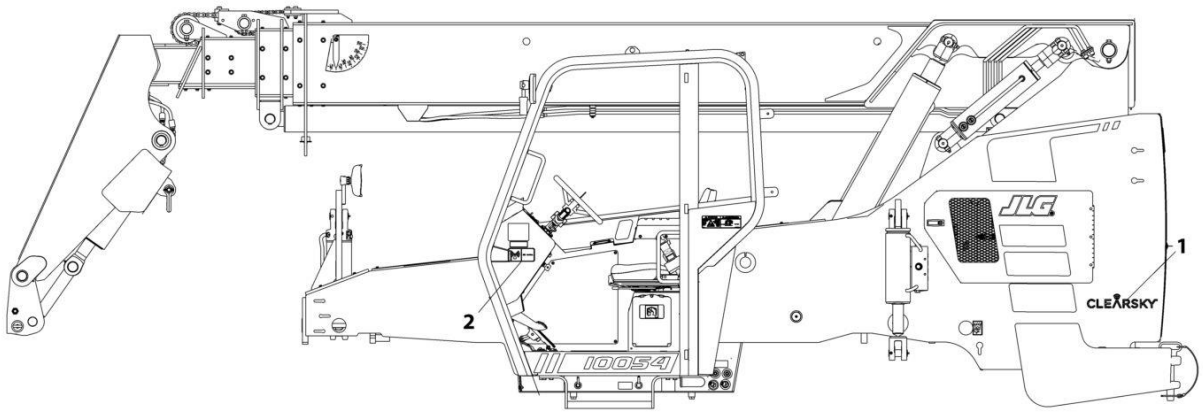

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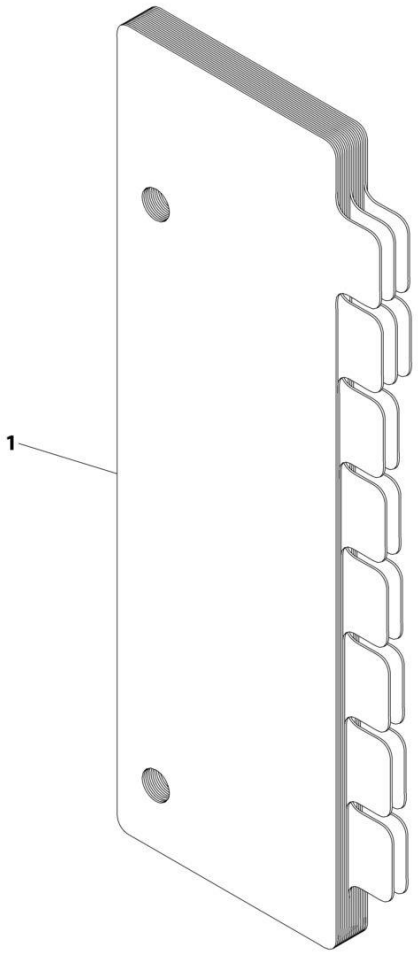
FIGURE 11-11. CLEARSKY DECALS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229708	Ref	Clearsky Decal Installation	C
1	1001294815	1	Decal - ClearSky	
2	1001120989	1	Radio Frequency Decal	

FIGURE 11-12. LOAD CHART BOOKLET (ANSI)

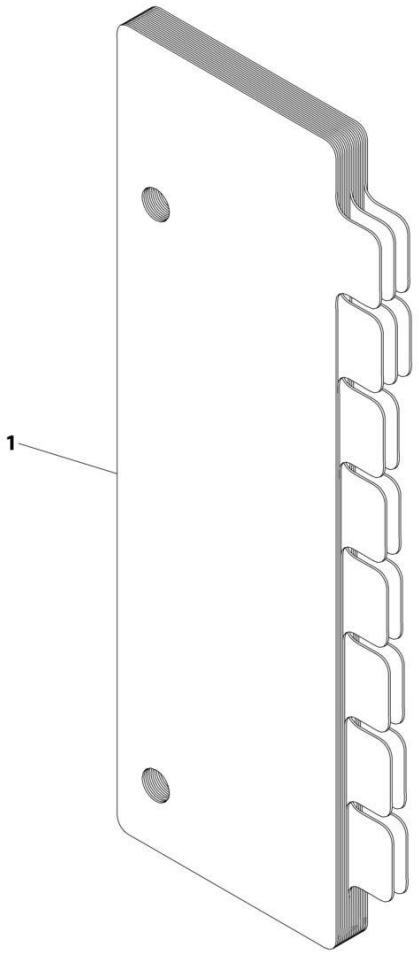


ART_1001211875

FIGURE 11-12. LOAD CHART BOOKLET (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001211875	1	Capacity Chart (ANSI) - 10054	

FIGURE 11-13. LOAD CHART BOOKLET (ISO)



ART_1001211876

FIGURE 11-13. LOAD CHART BOOKLET (ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001211876	1	Capacity Chart (ISO) - 10054	

FIGURE 11-14. REVERSE SENSING SYSTEM DECAL INSTALLATION (ENGLISH)

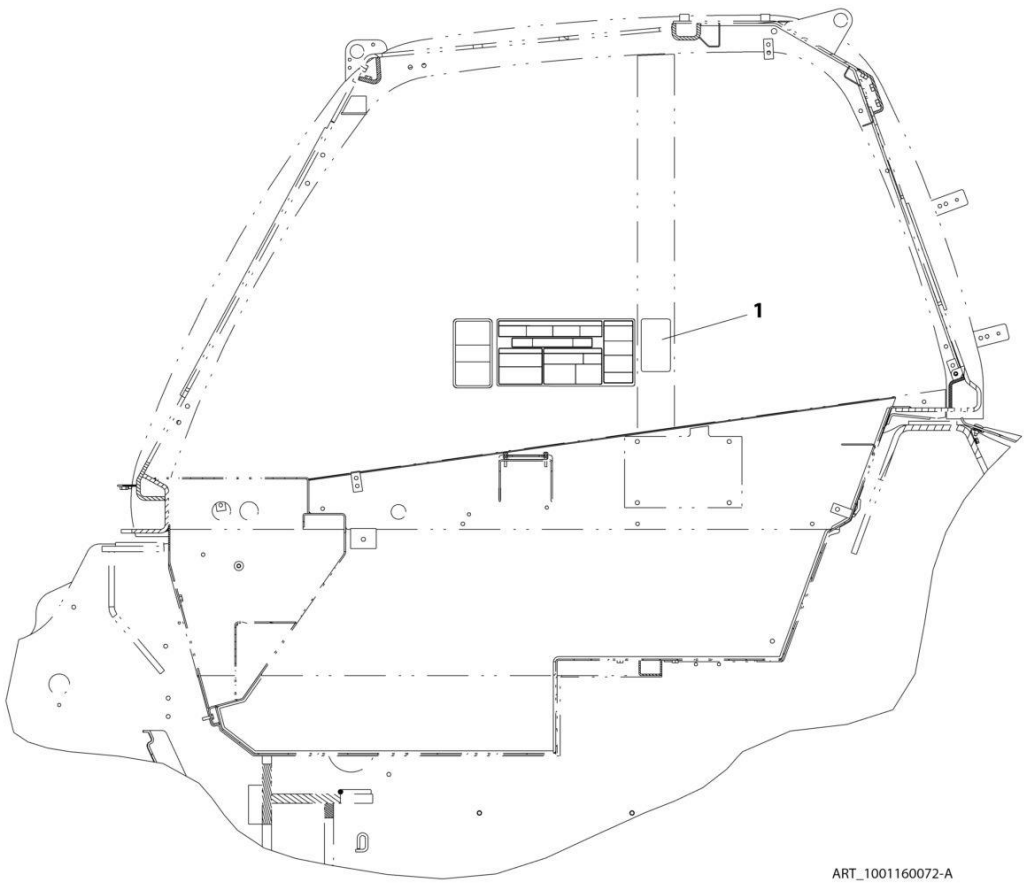


FIGURE 11-14. REVERSE SENSING SYSTEM DECAL INSTALLATION (ENGLISH)

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

FIGURE 11-15. REVERSE SENSING SYSTEM DECAL INSTALLATION (ENGLISH/FRENCH)

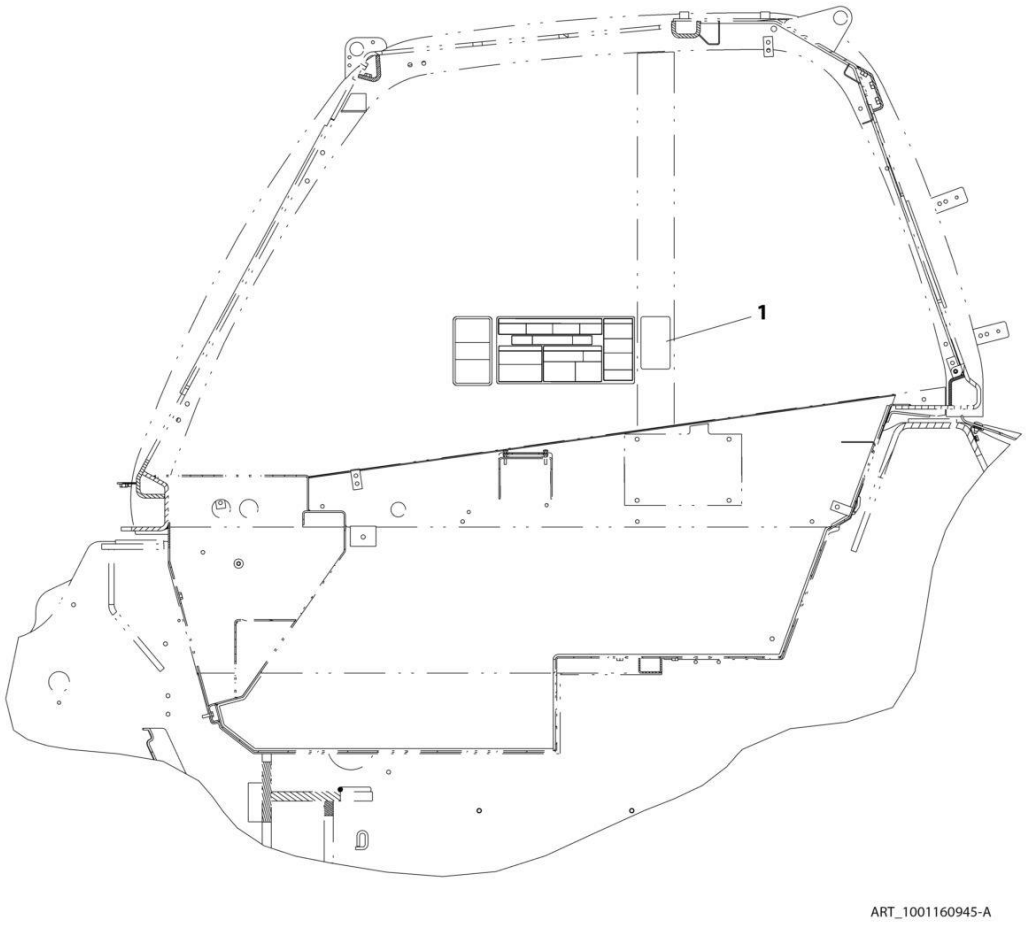


FIGURE 11-15. REVERSE SENSING SYSTEM DECAL INSTALLATION (ENGLISH/FRENCH)

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

FIGURE 11-16. REVERSE SENSING SYSTEM DECAL INSTALLATION (ENGLISH/SPANISH)

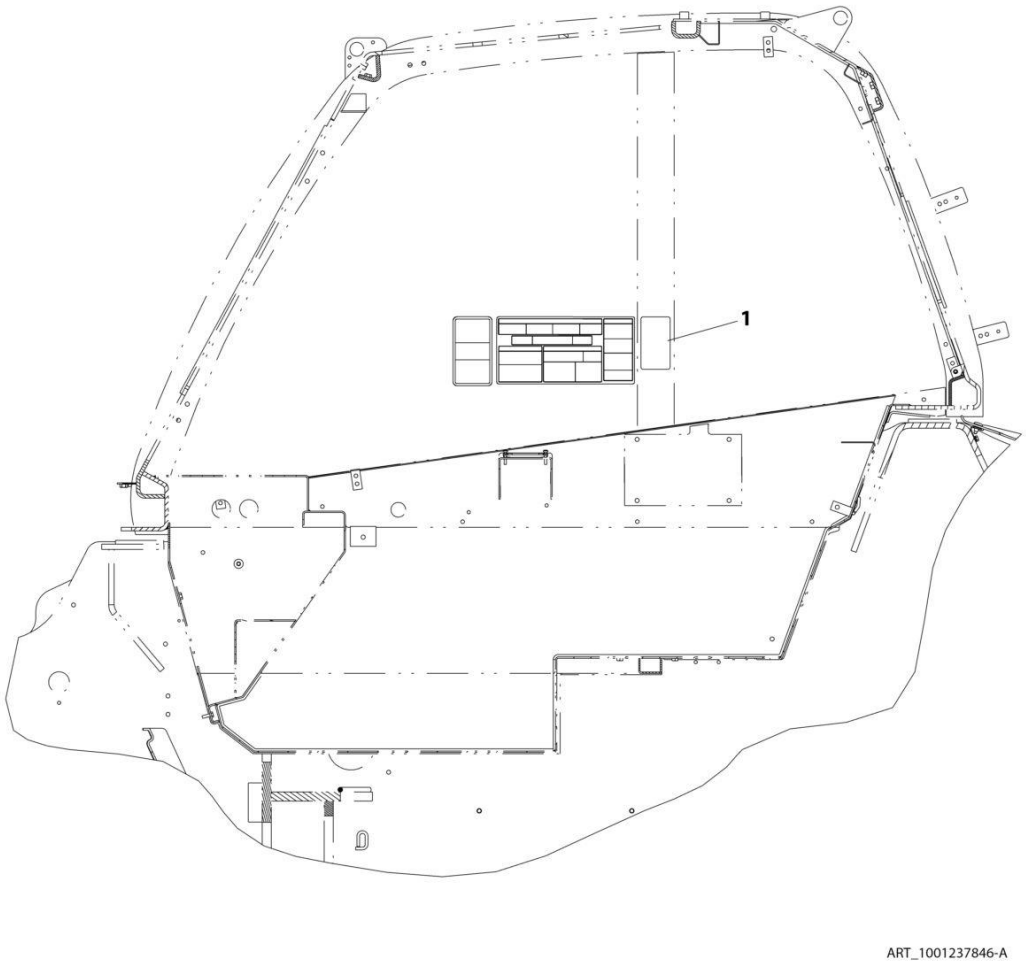


FIGURE 11-16. REVERSE SENSING SYSTEM DECAL INSTALLATION (ENGLISH/SPANISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001237846	Ref	REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH LANGUAGES)	A

FIGURE 11-17. REVERSE SENSING SYSTEM DECAL INSTALLATION (ISO)

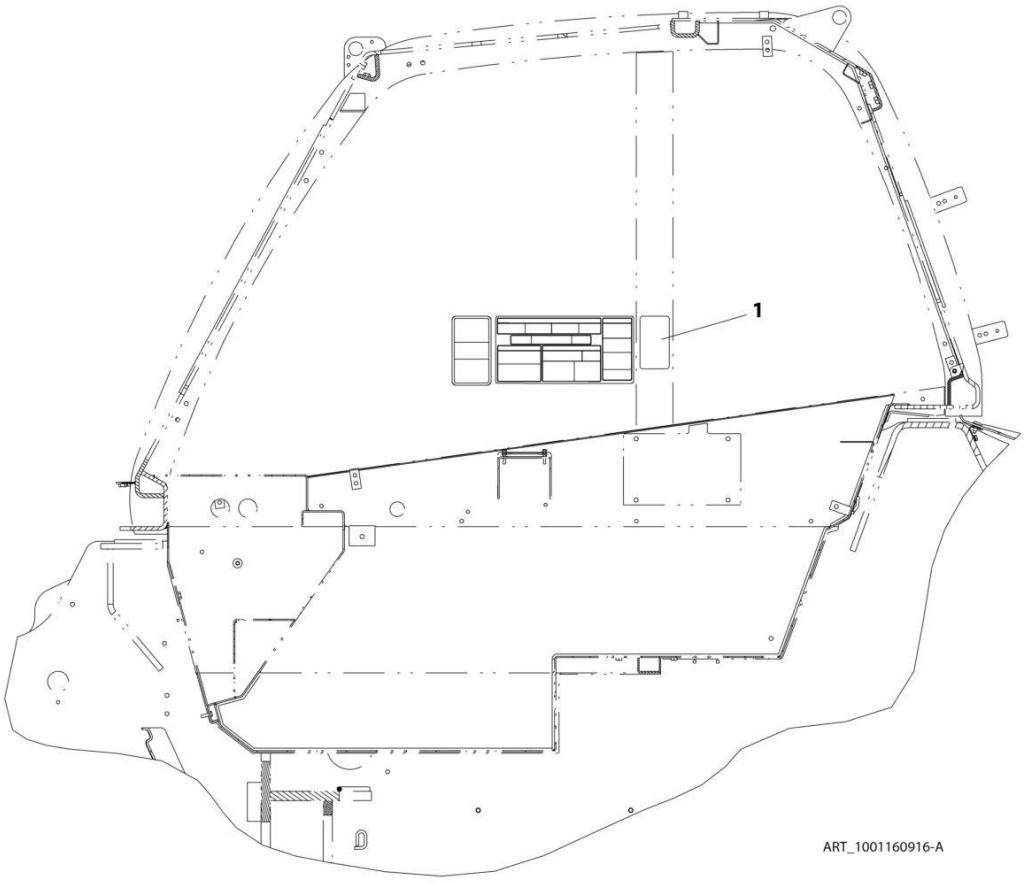


FIGURE 11-17. REVERSE SENSING SYSTEM DECAL INSTALLATION (ISO)

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

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 12-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
	70026085	1	Coil (Secondary Valve)	
	7029246	1	Coil, Solenoid (Stabil-Trak)	
	1001203181	1	Control (ASOV)	
	1001210703	1	Control, Cab	
	1001247421	1	Control, Reverse Sensor	
	1001173581	1	Controller, Auxiliary	
	1001173582	1	Controller, Frame Level	
	1001158002	1	Controller, Pilot Joystick	
	1600429	1	Controller, Transmission	
	8223073	1	Controller, Turn Signal (Road Lights)	
		Ref	Engine - 74HP (ULS)	
	70026234	12	Element, Fuel Filter Primary	
	70026453	12	Element, Fuel Filter Secondary	
	70026237	12	Filter, Oil	
	70025852	12	Filter, Primary Air	
	70025853	12	Filter, Secondary Air	
	8229242	2	Fuse, 5A	
		Ref	Engine - 110HP (ULS)	
	70026453	12	Element, Fuel Filter Secondary	
	70026237	12	Filter, Oil	
	70025852	12	Filter, Primary Air	
	70025853	12	Filter, Secondary Air	
	8229244	2	Fuse, 15A	
	8229242	2	Fuse, 5A	
	1001095704	1	Relay	
		Ref	Engine - 110HP (LS)	
	70026234	12	Element, Fuel Filter Primary	
	70026801	12	Element, Fuel Filter Secondary	
	70026237	12	Filter, Oil	
	1101312	12	Filter, Primary Air	
	1101313	12	Filter, Secondary Air	
	1001199205	12	Element, Filter (Hydraulic)	
	7139077	1	Filler/Breather (Hydraulic)	
	1001228872	12	Filter, Coolant Screen	
	8229261	2	Fuse 5A (Cab Distribution Harness)	
	8229233	2	Fuse, 7.5A (Cab Distribution Harness)	
	8229243	2	Fuse, 7.5A Mini (Logic Harness)	
	8229234	2	Fuse, 10A (Cab Distribution Harness & ASOV Harness)	
	8229237	2	Fuse, 15A (Cab Distribution Harness)	
	8229235	2	Fuse, 20A (Cab Distribution Harness & ASOV Harness)	
	8229238	2	Fuse, 40A (Cab Distribution Harness)	
	1001118245	2	Fuse, 250A (Relay Panel)	
	1001129285	2	Fuse, Mini Diode (Cab Distribution Harness)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001127699	2	Fuse, Power Module (Relay Panel)	
	70021948	1	Key, Cab Door	
	8035807	1	Key, Ignition	
	2940074	1	Latch (Fork Mounted Platform)	
	1001262322	1	Module, 4G (ClearSky - Canbus)	
	1001228954	1	Module (ClearSky - Canbus CE)	
	1001226328	1	Module, 3W-TCU (ClearSky 3-Wire, North America)	
	1001233236	1	Module, 3W-TCU (ClearSky 3-Wire, CE)	
	3740080	1	Relay, ASOV	
	1001205172	1	Relay, Micro 280, 12V, 35 Amp (Cab Distribution Harness & Logic Harness)	
	70026986	1	Relay, 12V 30/40A (Heater & AC)	
	1001186417	1	Relay, 150 Amp (Relay Panel)	
	1001184316	1	Relay, Power Module (Relay Panel)	
	1001130307	1	Sensor, Boom	
	1001245478	1	Sensor, Coolant Level	
	1001145026	1	Sensor, Fuel	
	1001169077	1	Sensor, PRS Temperature (Air Cleaner)	
	1001215941	1	Switch, ASOV	
	8223038	1	Switch, Beacon (Beacon Install)	
	8223025	1	Switch, Brake Lights (Road Light Package)	
	8223060	1	Switch, Hazard (Road Light Package)	
	7138878	1	Switch, Horn (Cab - All)	
	4360690	1	Switch, Ignition (Cab - All)	
	1001170269	1	Switch, Outrigger (Electrical Installation)	
	8223054	1	Switch, Park Brake (Cab - All)	
	8223037	1	Switch, Steer Select (Cab -All)	
	8223044	1	Switch, Windscreen Washer (Enclosed Cab)	
	8223043	1	Switch, Windscreen Wiper (Enclosed Cab)	
	8223059	1	Switch, Work Light (LED Work Light Package)	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

FIGURE 13-1. SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	See Note	Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	SPECIAL OPTIONS/ACCESSORIES/KITS	
	1001273266	Ref	Accelerator Extension Harness (for Accelerator 1001264554) (Note: Verify cab power harness version before purchasing)	
	1001273267	Ref	Accelerator Extension Harness (for Accelerator 1001180555) (Note: Verify cab power harness version before purchasing)	
	1001243577	Ref	Access Control Kit	
	1001214790	Ref	Aftermarket Kits	O
	1001239455	Ref	Backup Camera Kit	
	1001109532	Ref	Baffle Kit	
	1001214398	Ref	Battery Disconnect Kit	
	1001126387	Ref	Bearing Retainer Kit	
	8024032	Ref	Boom Chain Kit - Extend	
	8024053	Ref	Boom Chain Kit - Extend (4th Boom)	
	8024033	Ref	Boom Chain Kit - Retract	
	7131633	Ref	Boom Pivot Replacement Kit (LH)	
	7131643	Ref	Boom Pivot Replacement Kit (RH)	
	2915208	Ref	Boom Pivot Replacement Kit	
	2910996	Ref	Boom Wear Pads Kit	
	1001167009	Ref	Brake Inlet pressure Kit	
	1001201455	Ref	Cab A/C Kit	
	1001154226	Ref	Cab Cooler Vent Kit	
	1001280231	Ref	Cab Door Window Kit	
	1001201453	Ref	Cab Enclosure Kit	
	1001193427	Ref	Cab Enclosure Kit with Heater	
	1001193428	Ref	Cab Enclosure Kit with HVAC	
	1001201456	Ref	Cab Heater Kit	
	1001201454	Ref	Cab HVAC Kit	
	1001268341	Ref	Camera Kit - Multi-View Rear	
	1001243183	Ref	ClearSky Telematics Kit - Canbus (North America)	
	1001243184	Ref	ClearSky Telematics Kit - Canbus (CE)	
	1001276923	Ref	ClearSky Telematics Add-on Kit (Contact JLG for Approved Countries)	
	1001291397	1	ClearSky Plug Adhesive	
	1001238933	Ref	Cold Weather Kit (ULS)	
	1001242195	Ref	Cold Weather Kit (LS)	
	1001262156	Ref	Decal Kit	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Amp/Tyco Electrical Connectors	
	1001148903	Ref	Deutsch DT Electrical Connectors	
	1001148904	Ref	Deutsch HD Electrical Connectors	
	1001148905	Ref	Packard Electrical Connectors	
	1001148906	Ref	Various Electrical Connectors	
	1001196127	Ref	Engine FAPL - 74HP ULS	
	1001165489	Ref	Engine FAPL - 110HP ULS	
	1001166034	Ref	Engine FAPL - 110HP LS	
	1001177168	Ref	Engine Removal Brackets Kit	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258010	Ref	Fender Kit	
	1001150524	Ref	Filter Kit - 250Hour (LS)	
	1001199737	Ref	Filter Kit - 500Hour	
	1001199738	Ref	Filter Kit - 1000Hour	
	1001239988	Ref	Fire Extinguisher Kit	
	1001224162	Ref	Hydraulic Circuit FAPL	C
	1001253916	Ref	Latch Catch Kit (ANSI)	
	1001201459	Ref	Lights - Beacon Lights Kit	
	1001201458	Ref	Lights - Roadlights Kit (Safim Brakes)	
	1001213944	Ref	Lights - Roadlights Kit (Eaton Brakes)	
	1001137627	Ref	Lights - Worklight Kit	
	1001238893	Ref	Lights - Worklight Kit (LED)	
	1001188068	Ref	Luk Coupler Kit	
	1001281475	1	Quick Oil Change Valve	
	1001253829	Ref	Reverse Sensing System Kit (All)	
	1001296148	Ref	Road Light Option	
	1001130717	Ref	Service Kits	Z
	1001265373	Ref	Skytrak Telematics Harness Kit	
	1001196630	Ref	Steer Kit - Orbital	
	1001248572	Ref	Tire Kit (Set of 4) G2 14.00 x 24 Foam-Filled	
	1001248573	Ref	Tire Kit (Set of 4) G2 14.00 x 24 Pneumatic	
	1001274257	Ref	Tire Kit (Set of 4) Solid 13x28 Directional	
	1001274302	Ref	Tire Kit (Set of 4) Solid 13x28 Non-Directional	
	1001274305	Ref	Tire Kit (Set of 4) Solid 14x28 Directional	
	1001274307	Ref	Tire Kit (Set of 4) Solid 14x28 Non-Directional	
	1001274718	Ref	Tire Kit (Set of 4) Solid 13x24 Directional	
	1001274721	Ref	Tire Kit (Set of 4) Solid 13x24 Directional	
	1001262436	Ref	Tire Kit (Set of 4) Turf Pneumatic, ZF Axles	
		Ref	Tools for Service	
	1001249695	Ref	Tools- Analyzer and Cable Kit	
	1001249941	Ref	Tools- Analyzer and Cable Kit (Battery Powered)	
	70022871	Ref	Tools - Counter Support, ZF Transmission	
	7002821	Ref	Tools - Crimper, Wire	
	70023174	Ref	Tools - Eye Bolt Assortment, ZF Transmission	
	70022872	Ref	Tools - Internal Extractor, 45-58mm, ZF Transmission	
	7002823	Ref	Tools - Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460510	Ref	Tools - Pin Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460467	Ref	Tools - Pin Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016654	Ref	Tools - Screwdriver, Magnetic	
	7002822	Ref	Tools - Screwdriver, Potentiometer	
	7004275	Ref	Tools - Seal Tool 1in (For Cylinders)	
	7004276	Ref	Tools - Seal Tool 1-1/2in (For Cylinders)	
	70026448	Ref	Tools - Spanner Wrench	
	7002828	Ref	Tools - Stripper, Wire	
	70010239	Ref	Tools - Two-Armed Puller, 160-150mm, ZF Transmission	
	1001116482	Ref	Transmission Shift Kit - 3SPD ZF	
	1001262959	Ref	Voltage Regulator ClearSky Locate Kit	
	1001200204	Ref	White Noise Alarm Kit	
	1001213885	Ref	White Noise Alarm Kit	

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