Illustrated Parts Manual

Models
400S HC3
460SJ HC3

Prior to SN0300283509
Prior to SN E300008843

P/N
31215870

July 15, 2023 - Rev D

ANSI

AS/NZS

An Oshkosh Corporation Company

REVISION LOG

NOTE: The 400S HC3/460SJ HC3 may be manufactured by JLG Industries in the following countries: USA & Romania. The country of manufacture may be determined by the serial number located on the serial number nameplate. Machines manufactured in the USA will have a prefix number of 03 (i. e. 03xxxxxxxx). Machines manufactured in Romania will have a prefix number of E3 (i. e.E3xxxxxxxx, or 13xxxxxxxx).

REVISION LOG:

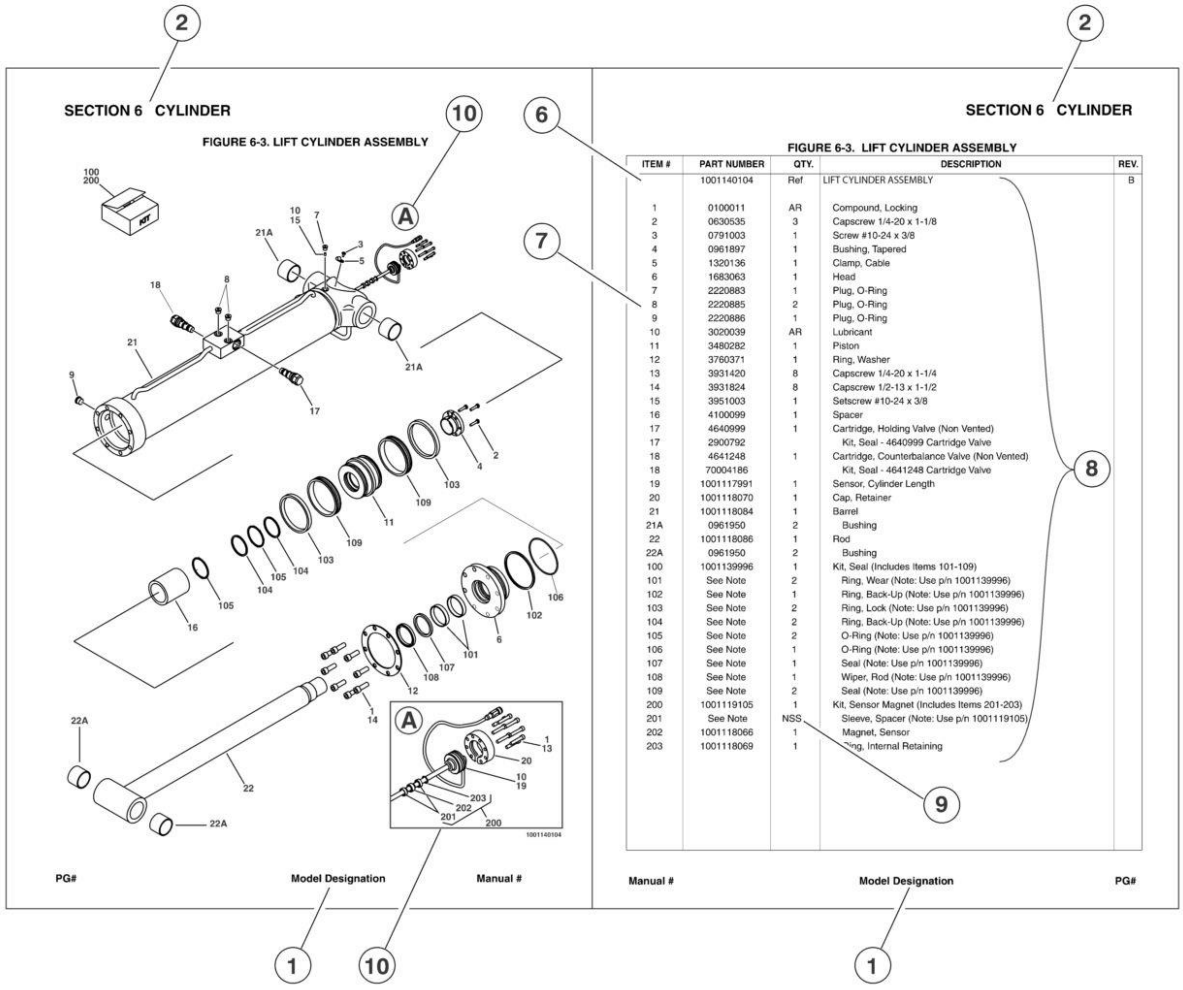
July 1, 2019 - A - Original Issue Of Manual (Edit to B/M 1001237527 Revision B)

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

5) PART NUMBER INDEX
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) ABB REVIATION AND SYMBOLS

AC ..... Alternating Current
ADE. ..... .Advanced Design Electronics
ANSI ..... .American National Standards Institute
AR.. ....As Required
ASSY ..... Assembly
AUX... ....Auxiliary
AWG ....American WireGauge
B/M. ..... Bill of Material
CE.. ....European Conformity
CCW ..... .Counter Clockwise
cm. ..... Centimeter
CW ..... .Clockwise
CSA. ....Canadian Standards Association
CYL... ..... .Cylinder
DIA. ..... .Diameter
DC ..... .Direct Current
EMS ..... Emergency Stop
ENG ..... .Engine
FT(ft).. ..... .Feet
GA(Ga).. ..... .Gauge
HYD ..... Hydraulic
Hz.. ..... Hertz
ID.. ..... .Inside Diameter
in... ..... .inches
ISO ....International Organization for Standards
JIC ..... .Joint Industry Council
KG ..... .Kilogram
L.. ....Liter
LB ....Pounds

LCD ..... Liquid Crystal Display
LED ..... Light Emitting Diodes
LH... ..... Left Hand
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
P/N. ....Part Number
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 referance 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

FIGURE 1-1. AXLE INSTALLATION

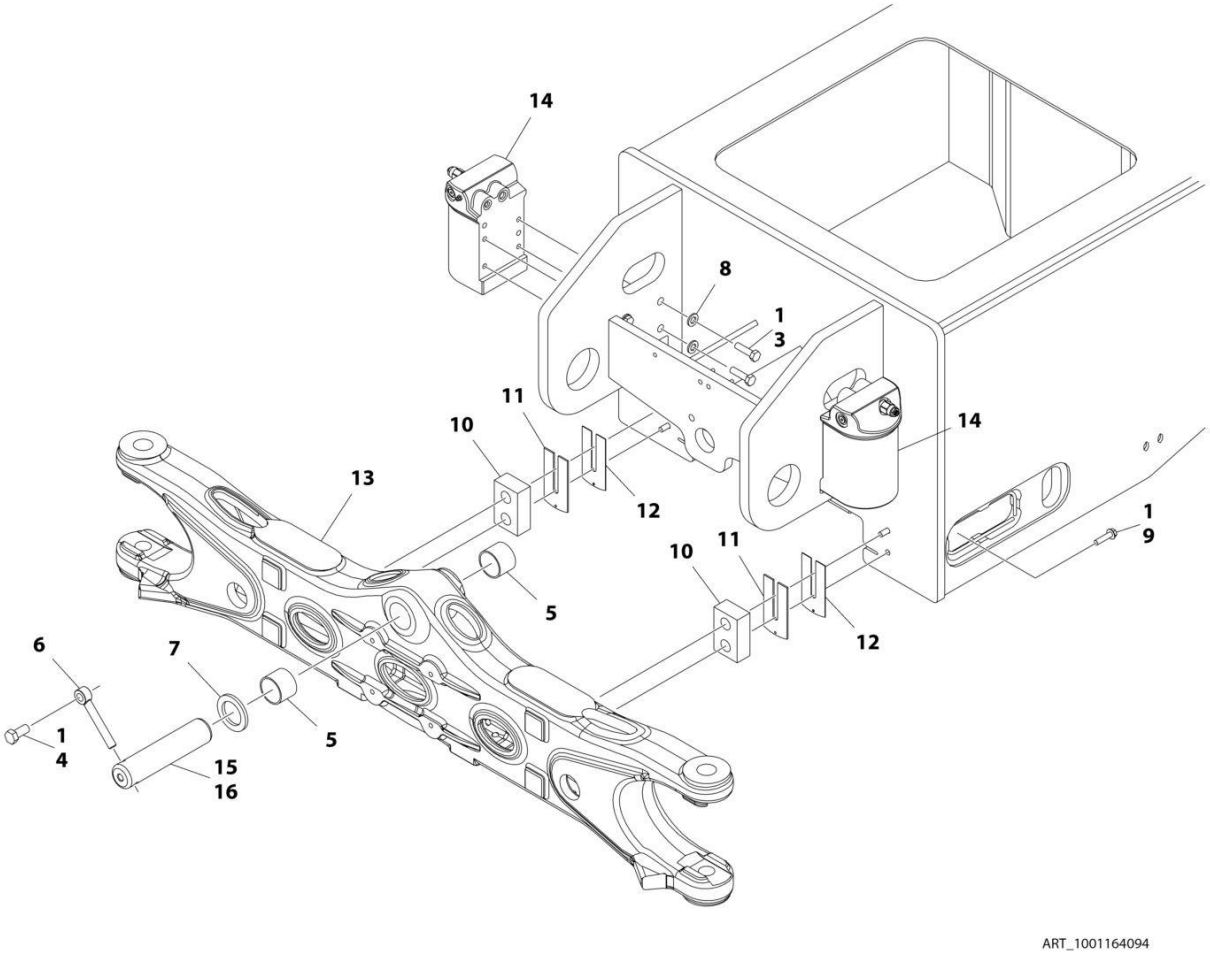


FIGURE 1-1. AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164094	Ref	AXLE INSTALLATION	C
1	0100011	AR	Compound, Locking	
3	0701217	8	Bolt M12 x 45	
4	0761615	1	Bolt M16 x 35	
5	0961950	2	Bearing	
6	3841258	1	Keeper, Pin	
7	4740158	1	Washer	
8	5241200	8	Washer M12	
9	5251016	4	Bolt M10 x 40	
10	1001166563	2	Pad, Wear	
11	1001150324	2	Shim, 3	
12	1001150326	2	Shim, 1.2	
13	1001162995	1	Axle	
14	1001163580	2	Axle Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
15	1001164552	1	Pin	
16	3020039	AR	Lube	

FIGURE 1-2. STEER INSTALLATION - WITHOUT TOW PACKAGE (400S HC3)

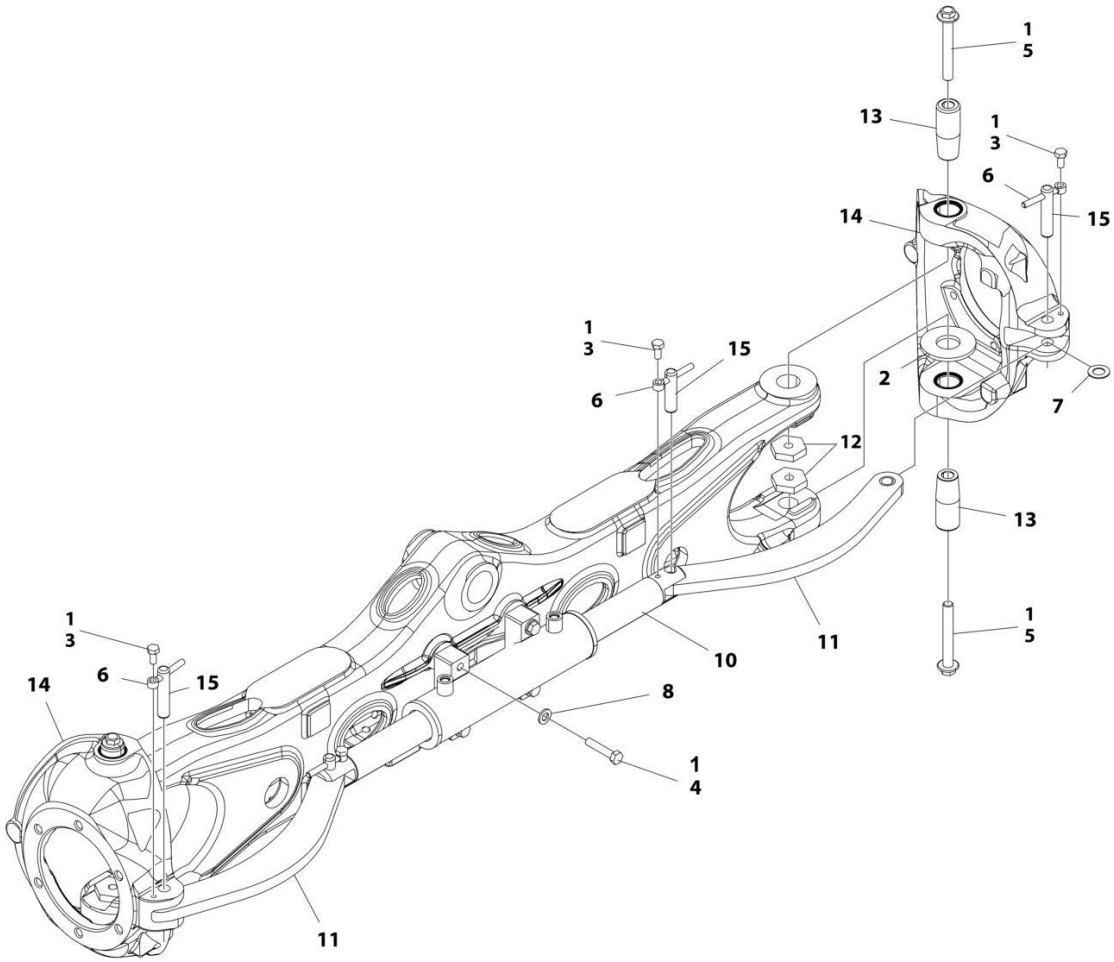


FIGURE 1-2. STEER INSTALLATION - WITHOUT TOW PACKAGE (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164092	Ref	STEER INSTALLATION WITHOUT TOW PACKAGE	F
1	0100011	AR	Compound, Locking	
2	1001233139	2	Bearing, Thrust	
3	0761011	4	Bolt M10 x 22	
4	0711220	4	Bolt M12 x 60 Grade 10.9	
5	1001190368	4	Bolt M16 x 120	
6	3841143	4	Keeper, Pin	
7	4740086	4	Washer	
8	5241200	4	Washer M12	
10	1001163178	1	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
11	1001163179	2	Link	
11	1001164209	4	Bearing (2 Per Link)	
12	1001176848	4	Nut M16	
13	1001163405	4	Kingpin	
14	1001163715	2	Spindle	
14	0961948	4	Bearing (2 Per Spindle)	
14	1001163716	8	Seal (4 Per Spindle)	
15	3423304	4	Pin	

FIGURE 1-3. STEER INSTALLATION - WITHOUT TOW PACKAGE (460SJ HC3)

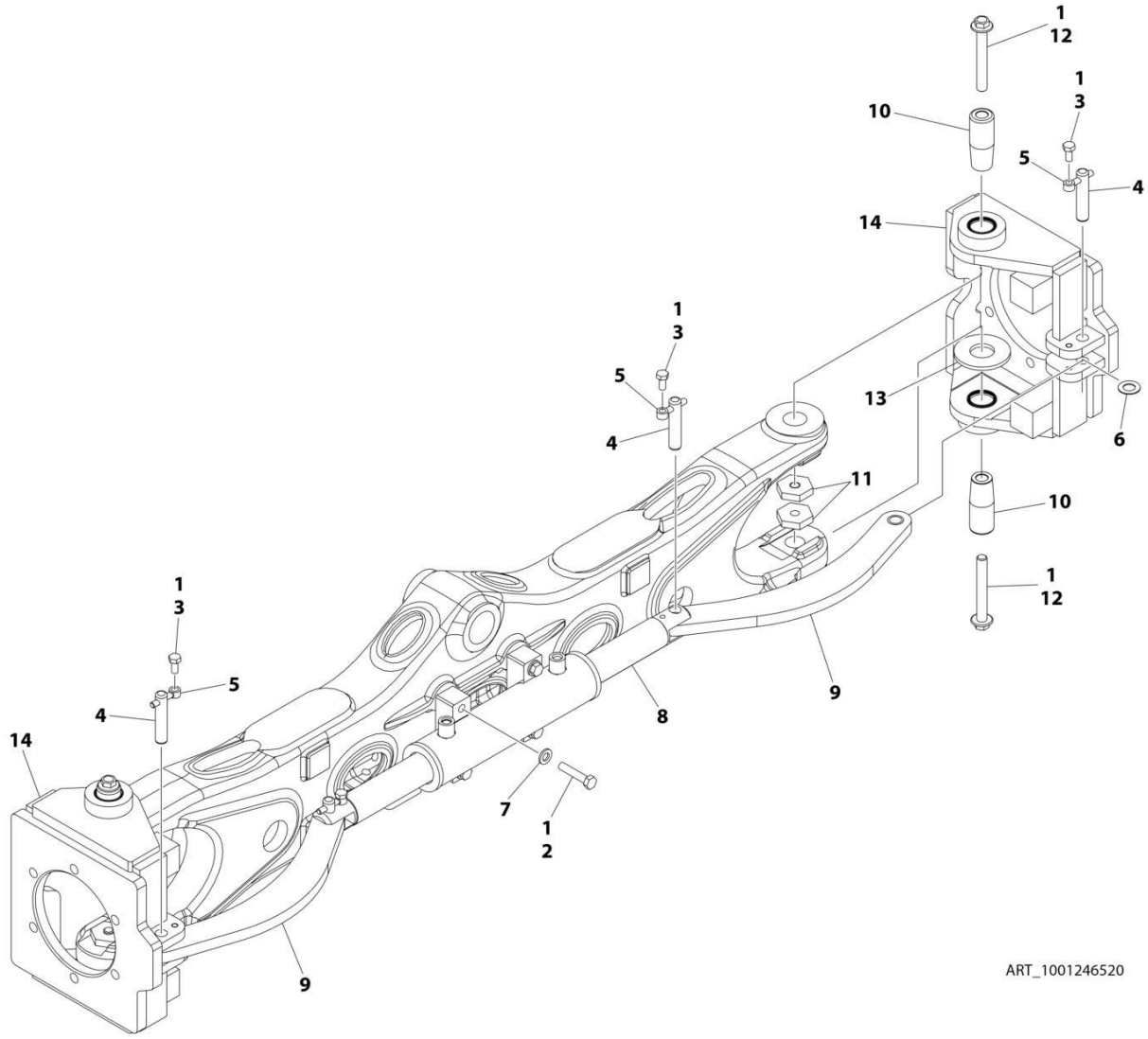


FIGURE 1-3. STEER INSTALLATION - WITHOUT TOW PACKAGE (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246520	Ref	STEER INSTALLATION - WITHOUT TOW PACKAGE	A
1	0100011	AR	Compound, Locking	
2	0711220	4	Bolt M12 x 60 Grade 10.9	
3	0761011	4	Bolt M10 x 22	
4	3423304	4	Pin	
5	3841520	4	Keeper	
6	4740086	4	Washer	
7	5241200	4	Washer M12	
8	1001163178	1	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
9	1001163179	2	Link	
9	1001164209	4	Bearing (2 Per Link)	
10	1001163405	4	Kingpin	
11	1001176848	4	Nut M16	
12	1001190368	4	Bolt M16 x 120	
13	1001233139	2	Bearing, Thrust	
14	1001246551	2	Spindle	
14	0961948	4	Bearing (2 Per Spindle)	
14	1001163716	2	Seal (1 Per Spindle)	

FIGURE 1-4. STEER INSTALLATION - WITH TOW PACKAGE (400S HC3)

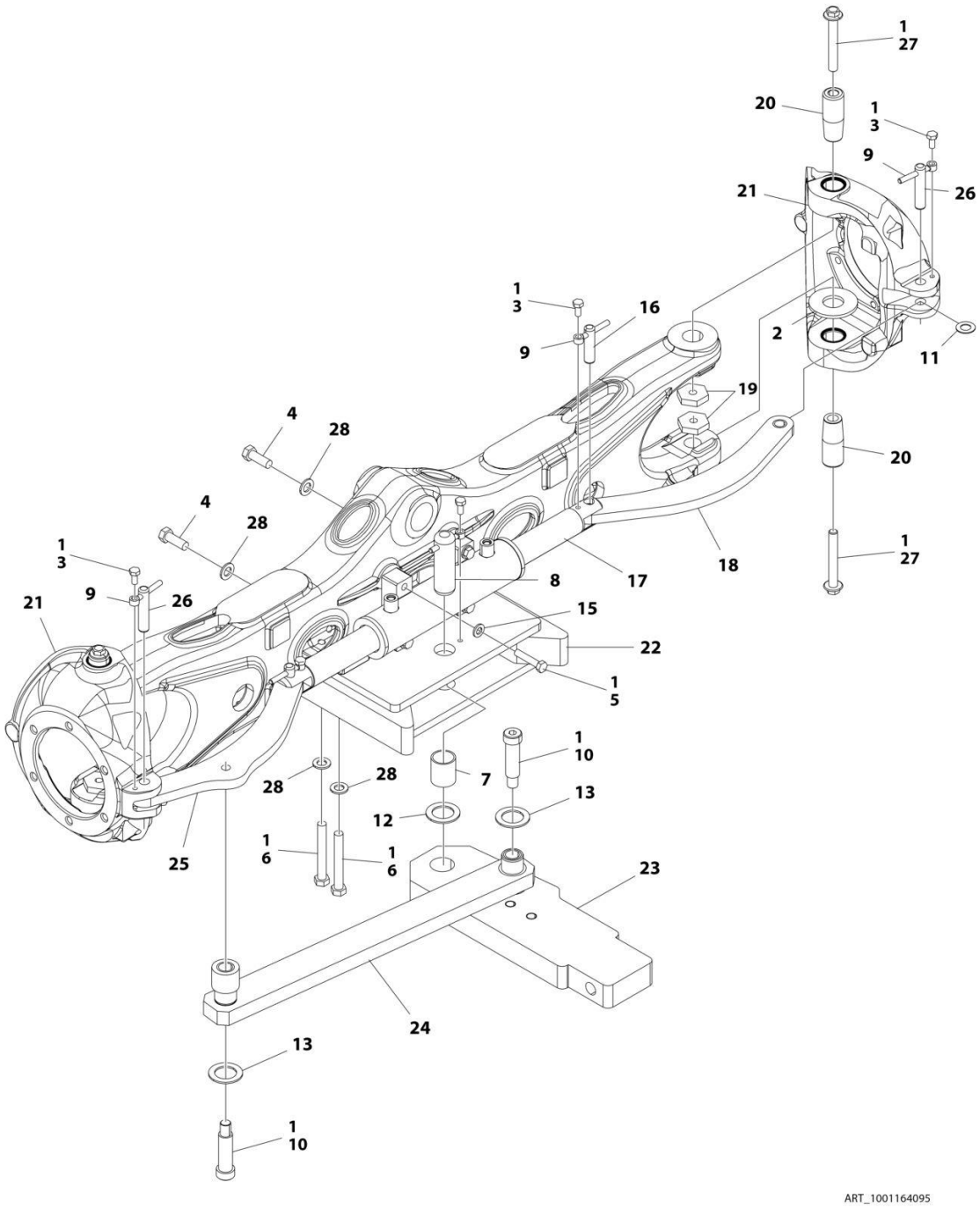


FIGURE 1-4. STEER INSTALLATION - WITH TOW PACKAGE (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164095	Ref	STEER INSTALLATION WITH TOW PACKAGE	D
1	0100011	AR	Compound, Locking	
2	0440271	2	Bearing, Thrust	
3	0761011	5	Bolt M10 x 22	
4	0701617	2	Bolt M16 x 45	
5	0711220	4	Bolt M12 x 60 Grade 10.9	
6	0711629	4	Bolt M16 x 120	
7	0962348	1	Bearing	
8	3422848	1	Pin	
9	3841143	5	Keeper, Pin	
10	3900295	2	Bolt 1 X 3	
11	4740086	4	Washer	
12	4740155	1	Washer	
13	4740491	2	Washer	
15	5241200	4	Washer M12	
16	1001139586	2	Pin	
17	1001163178	1	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
18	1001163179	1	Link	
18	1001164209	2	Bearing	
19	1001176848	4	Nut M16	
20	1001163405	4	Kingpin	
21	1001163715	2	Spindle	
21	0961948	4	Bearing (2 per Spindle)	
21	1001163716	8	Seal (4 per Spindle)	
22	1001163717	1	Bracket, Tow	
23	1001163722	1	Plate	
24	1001163724	1	Link	
24	0962292	4	Bearing	
25	1001163726	1	Link	
25	1001164209	2	Bearing	
26	3423304	2	Pin	
27	1001190368	4	Bolt M16 x 120	
28	5241600	6	Washer M16	

FIGURE 1-5. STEER INSTALLATION - WITH TOW PACKAGE (460SJ HC3)

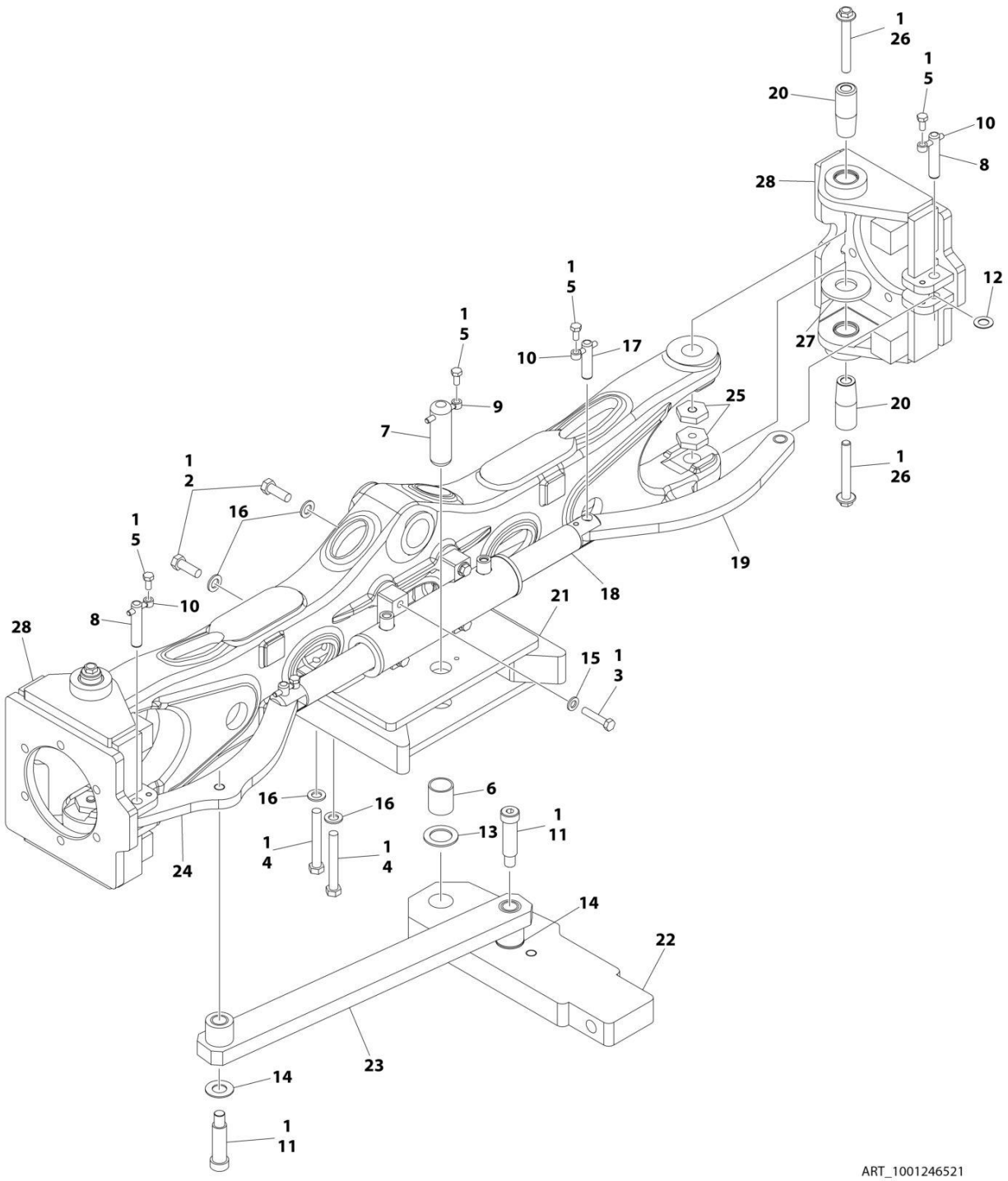


FIGURE 1-5. STEER INSTALLATION - WITH TOW PACKAGE (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246521	Ref	STEER INSTALLATION - WITH TOW PACKAGE	B
1	0100011	AR	Compound, Locking	
2	0701617	2	Bolt M16 x 45	
3	0711220	4	Bolt M12 x 60 Grade 10.9	
4	0711629	4	Bolt M16 x 120	
5	0761011	5	Bolt M10 x 22	
6	0962348	1	Bearing	
7	3422848	1	Pin	
8	3423304	2	Pin	
9	3841143	1	Keeper, Pin	
10	3841520	4	Keeper	
11	3900295	2	Bolt 1 X 3	
12	4740086	4	Washer	
13	4740155	1	Washer	
14	4740491	2	Washer	
15	5241200	4	Washer M12	
16	5241600	6	Washer M16	
17	1001139586	2	Pin	
18	1001163178	1	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
19	1001163179	1	Link	
20	1001163405	4	Kingpin	
21	1001163717	1	Bracket, Tow	
22	1001163722	1	Plate	
23	1001163724	1	Link	
24	1001163726	1	Link	
25	1001176848	4	Nut M16	
26	1001190368	4	Bolt M16 x 120	
27	1001233139	2	Bearing, Thrust	
28	1001246551	2	Knuckle	

FIGURE 1-6. WHEEL DRIVE AND FRAME VALVES INSTALLATION (400S HC3)

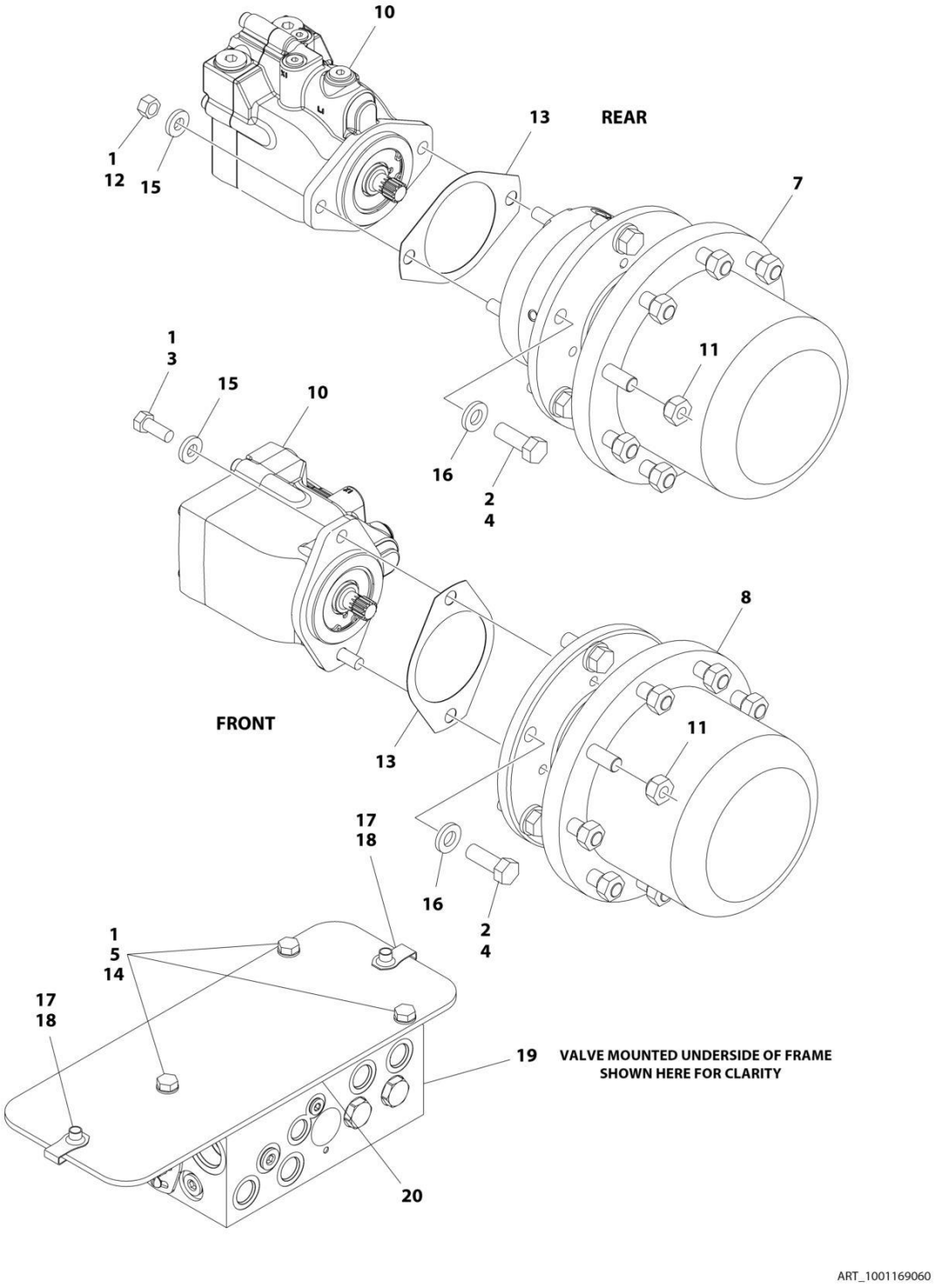


FIGURE 1-6. WHEEL DRIVE AND FRAME VALVES INSTALLATION (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169060	Ref	WHEEL DRIVE INSTALLATION (4WD)	E
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0681810	4	Bolt 1/2 x 1-1/4 (Grade 8)	
4	0682014	24	Bolt 5/8 x 1-3/4 (Grade 8)	
5	0761012	3	Bolt M10 x 25	
7	2780267	2	Drive Hub Assembly - Rear (See Separate Breakdown in this Section)	
8	2780268	2	Drive Hub Assembly - Front (See Separate Breakdown in this Section)	
10	3160348	4	Drive Motor Assembly (See Separate Breakdown in this Section)	
11	3300106	36	Lugnut	
12	3311801	4	Nut 1/2	
13	3960526	4	Gasket, Brake	
14	4812000	3	Washer M10	
15	4891800	8	Washer 1/2	
16	4892000	24	Washer 5/8	
17	5251012	2	Bolt M10 x 25	
18	1001118972	2	Nut M10	
19	1001162537	1	Traction Valve Assembly (See Separate Breakdown in this Section)	
20	1001163959	1	Plate, Mounting	

FIGURE 1-7. WHEEL DRIVE AND FRAME VALVES INSTALLATION (460SJ HC3)

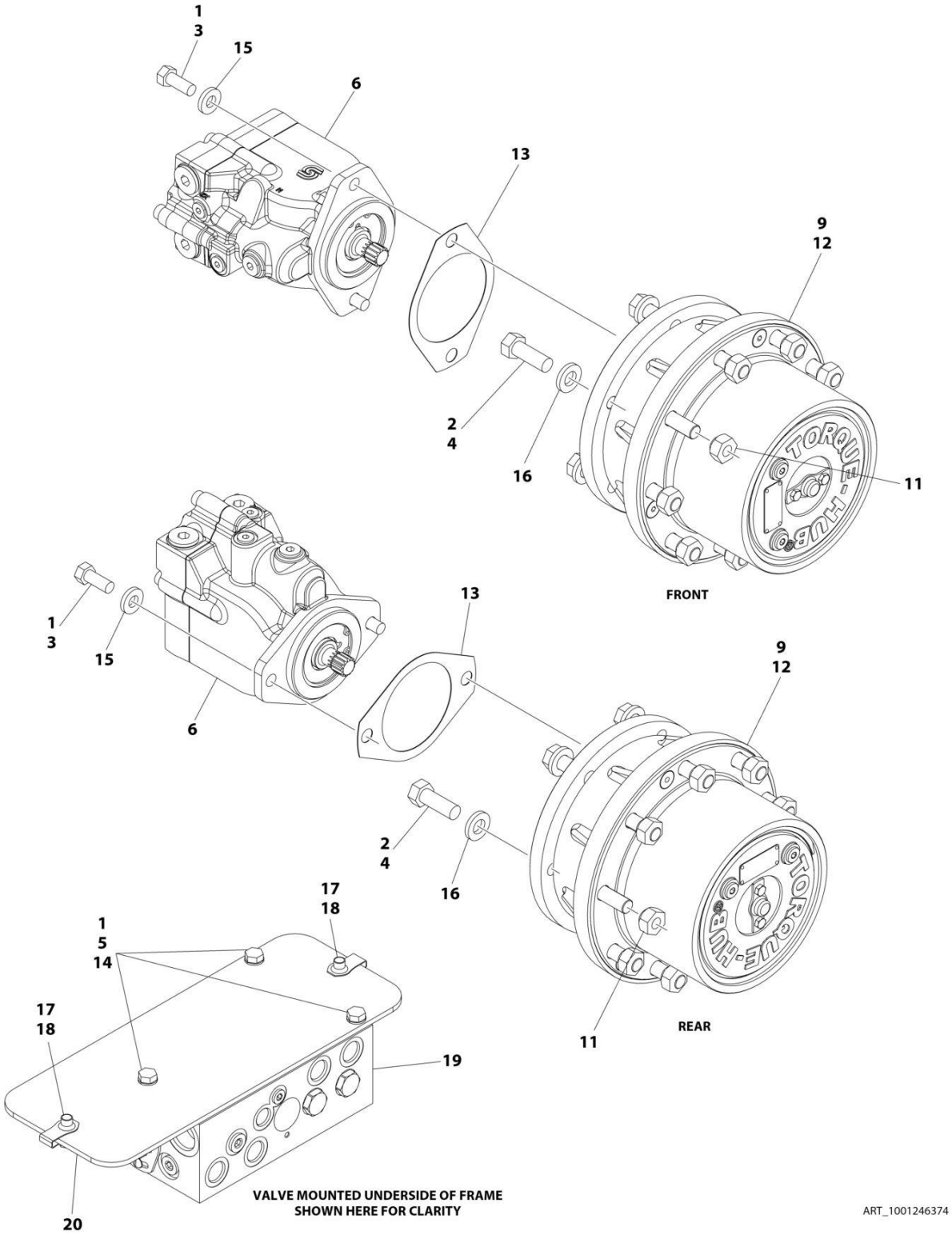


FIGURE 1-7. WHEEL DRIVE AND FRAME VALVES INSTALLATION (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246374	Ref	WHEEL DRIVE AND FRAME VALVES INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0681810	8	Bolt 1/2 x 1-1/4 (Grade 8)	
4	0682014	24	Bolt 5/8 x 1-3/4 (Grade 8)	
5	0761012	3	Bolt M10 x 25	
6	1001245759	4	Drive Motor Assembly (See Separate Breakdown in this Section)	
9	3020008	0.75 gl	Lubricant	
11	3300106	36	Lugnut	
12	1001252541	4	Hub	
13	3960526	4	Gasket, Brake	
14	4812000	3	Washer M10	
15	4891800	8	Washer 1/2	
16	4892000	24	Washer 5/8	
17	5251012	2	Bolt M10 x 25	
18	1001118972	2	Nut M10 x 1.5	
19	1001162537	1	Traction Valve Assembly (See Separate Breakdown in this Section)	
20	1001163959	1	Plate, Mounting	

FIGURE 1-8. DRIVE HUB ASSEMBLY - FRONT (400S HC3)

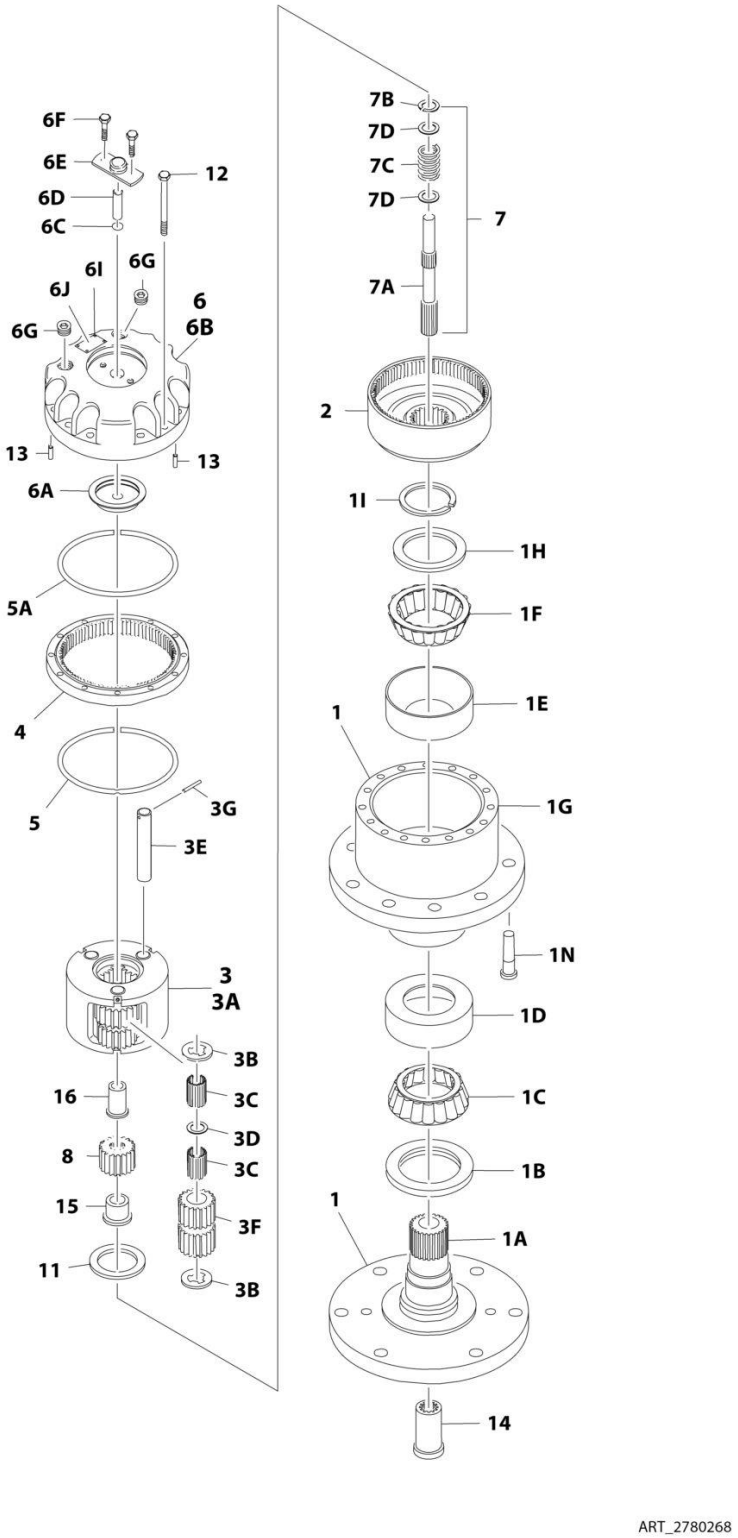


FIGURE 1-8. DRIVE HUB ASSEMBLY - FRONT (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780268	Ref	DRIVE HUB ASSEMBLY - FRONT	F
1	See Note	1	Spindle/Housing Assembly (Note: Purchase Individual Components)	
1A	7017059	1	Spindle	
1B	7001998	1	Seal	
1C	7010429	1	Cone, Bearing (Includes Item 1D)	
1D	7010429	1	Cup, Bearing (Includes Item 1C)	
1E	7000257	1	Cup, Bearing	
1F	7000258	1	Cone, Bearing	
1G	7007601	1	Housing/Ring Gear	
1H	7000232	1	Washer, Thrust	
1I	7000229	1	Ring, Retaining	
1N	7007640	9	Stud, Wheel	
2	7000246	1	Gear, Internal	
3	7024712	1	Carrier Assembly	
3A	See Note	1	Carrier (Note: Use Item 3)	
3B	See Note	6	Ring, Retaining (Note: Use Item 3)	
3C	See Note	AR	Bearing, Needle (Note: Use Item 3)	
3D	See Note	3	Washer, Thrust (Note: Use Item 3)	
3E	See Note	3	Shaft, Planet (Note: Use Item 3)	
3F	See Note	3	Gear, Planet (Note: Use Item 3)	
3G	See Note	3	Roll Pin (Note: Use Item 3)	
4	7000248	1	Ring Gear	
5	7000230	1	O-Ring	
5A	7017070	1	O-Ring	
6	70001349	1	Cover Assembly Kit	
6A	See Note	1	Spacer, Thrust (Note: Use Item 6)	
6B	See Note	1	Plate, Cover (Note: Use Item 6)	
6C	See Note	1	O-Ring (Note: Use Item 6)	
6D	See Note	1	Rod, Disconnect (Note: Use Item 6)	
6E	See Note	1	Cap, Disengage (Note: Use Item 6)	
6F	See Note	2	Bolt (Note: Use Item 6)	
6G	See Note	1	Plug, Pipe (Note: Use Item 6)	
6I	See Note	4	Rivet (Note: Not Available for Purchase)	
6J	See Note	1	Plate, ID (Note: Not Available for Purchase)	
7		Ref	Input Shaft Assembly	
7A	7024714	1	Shaft	
7B	7000261	1	Ring, Retaining	
7C	7000262	1	Spring	
7D	7000263	2	Spacer, Thrust	
8	7024713	1	Gear, Sun	
11	7000253	1	Washer, Thrust	
12	7017067	12	Bolt	
13	7017080	4	Pin, Dowel	
14	7000206	1	Coupling	
15	7024715	1	Spacer, Input	
16	7024716	1	Spacer, Input	

FIGURE 1-9. DRIVE HUB/BRAKE ASSEMBLY - REAR (400S HC3)

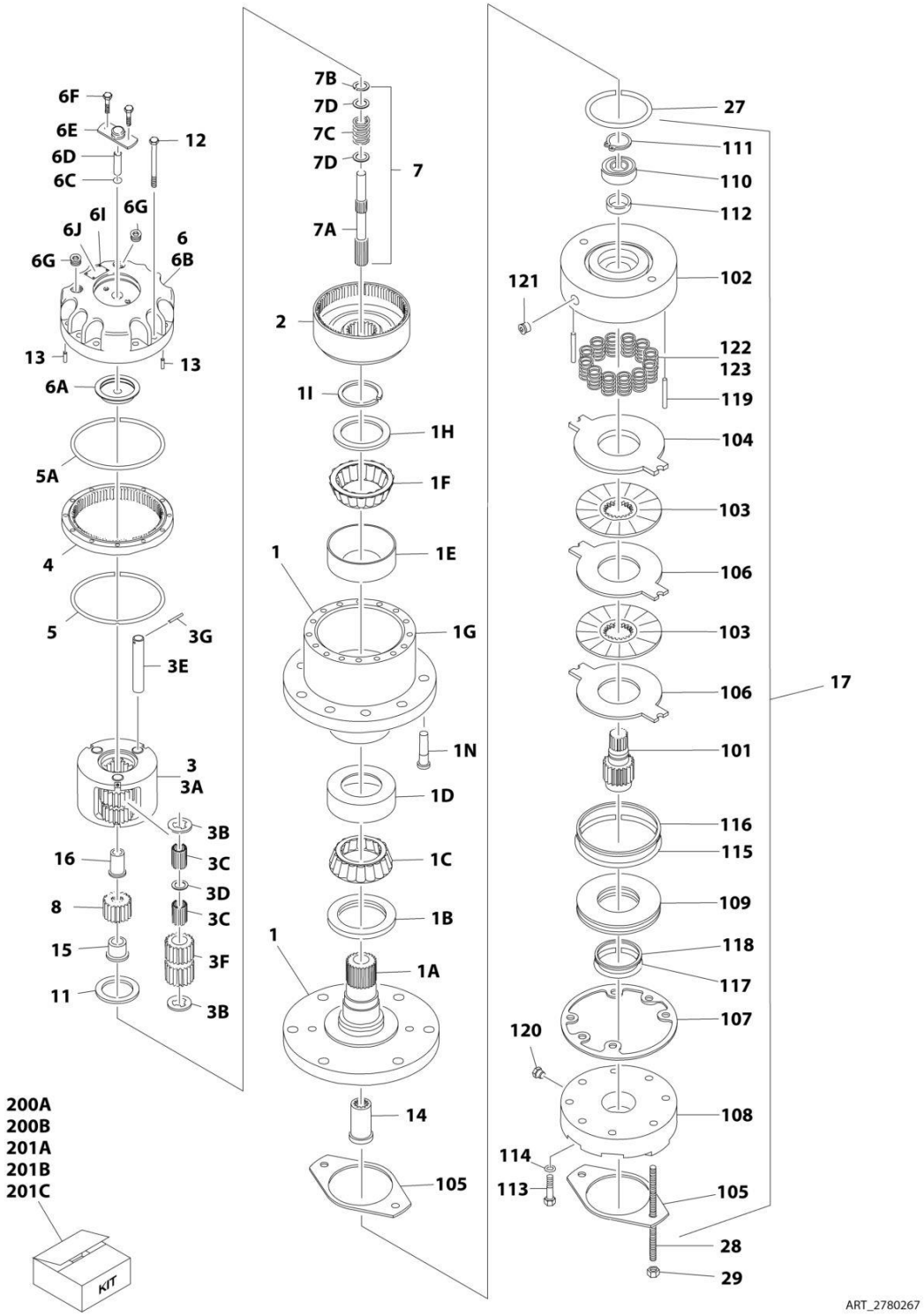


FIGURE 1-9. DRIVE HUB/BRAKE ASSEMBLY - REAR (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780267	Ref	DRIVE HUB AND BRAKE ASSEMBLY - REAR	I
1	See Note	1	Spindle/Housing Assembly (Note: Purchase Individual Components)	
1A	7017059	1	Spindle	
1B	7001998	1	Seal	
1C	7010429	1	Cone, Bearing (Includes Item 1D)	
1D	7010429	1	Cup, Bearing (Includes Item 1C)	
1E	7000257	1	Cup, Bearing	
1F	7000258	1	Cone, Bearing	
1G	7007601	1	Housing/Ring Gear	
1H	7000232	1	Washer, Thrust	
1I	7000229	1	Ring, Retaining	
1N	7007640	9	Stud, Wheel	
2	7000246	1	Gear, Internal	
3	7024712	1	Carrier Assembly	
3A	See Note	1	Carrier (Note: Use Item 3)	
3B	See Note	6	Ring, Retaining (Note: Use Item 3)	
3C	See Note	AR	Bearing, Needle (Note: Use Item 3)	
3D	See Note	3	Washer, Thrust (Note: Use Item 3)	
3E	See Note	3	Shaft, Planet (Note: Use Item 3)	
3F	See Note	3	Gear, Planet (Note: Use Item 3)	
3G	See Note	3	Roll Pin (Note: Use Item 3)	
4	7000248	1	Ring Gear	
5	7000230	1	O-Ring	
5A	7017070	1	O-Ring	
6	70001349	1	Cover Assembly Kit	
6A	See Note	1	Spacer, Thrust (Note: Use Item 6)	
6B	See Note	1	Plate, Cover (Note: Use Item 6)	
6C	See Note	1	O-Ring (Note: Use Item 6)	
6D	See Note	1	Rod, Disconnect (Note: Use Item 6)	
6E	See Note	1	Cap, Disengage (Note: Use Item 6)	
6F	See Note	2	Bolt (Note: Use Item 6)	
6G	See Note	1	Plug, Pipe (Note: Use Item 6)	
6I	See Note	4	Rivet (Note: Not Available for Purchase)	
6J	See Note	1	Plate, ID (Note: Not Available for Purchase)	
7		Ref	Input Shaft Assembly	
7A	7024714	1	Shaft	
7B	7000261	1	Ring, Retaining	
7C	7000262	1	Spring	
7D	7000263	2	Spacer, Thrust	
8	7024713	1	Gear, Sun	
11	7000253	1	Washer, Thrust	
12	7017067	12	Bolt	
13	7017080	4	Pin, Dowel	
14	7000206	1	Coupling	
15	7024715	1	Spacer, Input	
16	7024716	1	Spacer, Input	
17	7024182	1	Brake Assembly (See Items 101-123 for Breakdown)	
27	7024705	1	O-Ring	
28	7024717	2	Rod, Threaded	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
29	7024718	2	Nut 1/2in-13NC	
	7024182	Ref	BRAKE ASSEMBLY	
101	7024189	1	Shaft	
102	See Note	1	Housing (Note: Use Item 17)	
103	See Note	2	Plate, Friction (Note: Use Item 201B)	
104	See Note	1	Plate, Pressure (Note: Use Item 201B)	
105	7000731	2	Gasket	
106	See Note	2	Plate, Outer (Note: Use Item 201B)	
107	See Note	1	Gasket (Note: Use Item 200A, 201B or 201C)	
108	7024191	1	Cylinder	
109	7024192	1	Piston	
110	See Note	1	Bearing, Ball (Note: Use Item 201C)	
111	See Note	1	Ring, Retaining (Note: Use Item 201C)	
112	See Note	1	Seal, Shaft (Note: Use Item 201C)	
113	See Note	6	Capscrew (Note: Use Item 17)	
114	See Note	6	Lockwasher (Note: Use Item 17)	
115	See Note	1	O-Ring (Note: Use Item 200B)	
116	See Note	1	Ring, Back-up (Note: Use Item 200B)	
117	See Note	1	O-Ring (Note: Use Item 200B)	
118	See Note	1	Ring, Back-up (Note: Use Item 200B)	
119	7024190	2	Pin, Dowel	
120	See Note	1	Plug (Note: Use Item 17)	
121	See Note	2	Plug (Note: Use Item 17)	
122	See Note	12	Spring Kit (Natural) (Note: Use Item 201A)	
123	See Note	2	Spring Kit (Blue) (Note: Use Item 201A)	
		Ref	Kit Options	
200		Ref	Seal Kit Options:	
200A	See Note	1	Hub Seal Kit (Note: Purchase Individual Components)	
200B	7024194	1	Brake Seal Kit (Includes Items 105, 107 & 115-118)	
201		Ref	Repair Kit Options:	
201A	7024196	1	Brake Spring Kit (Includes 12 Natural Colored and 2 Blue Colored Springs Items 122 & 123)	
201B	7024193	1	Brake Friction Disc Kit (Includes Items 103, 104, 106 & 107)	
201C	7024197	1	Brake Bearing Kit (Includes Items 107 & 110-112)	

FIGURE 1-10. DRIVE HUB/BRAKE ASSEMBLY - REAR (460SJ HC3)

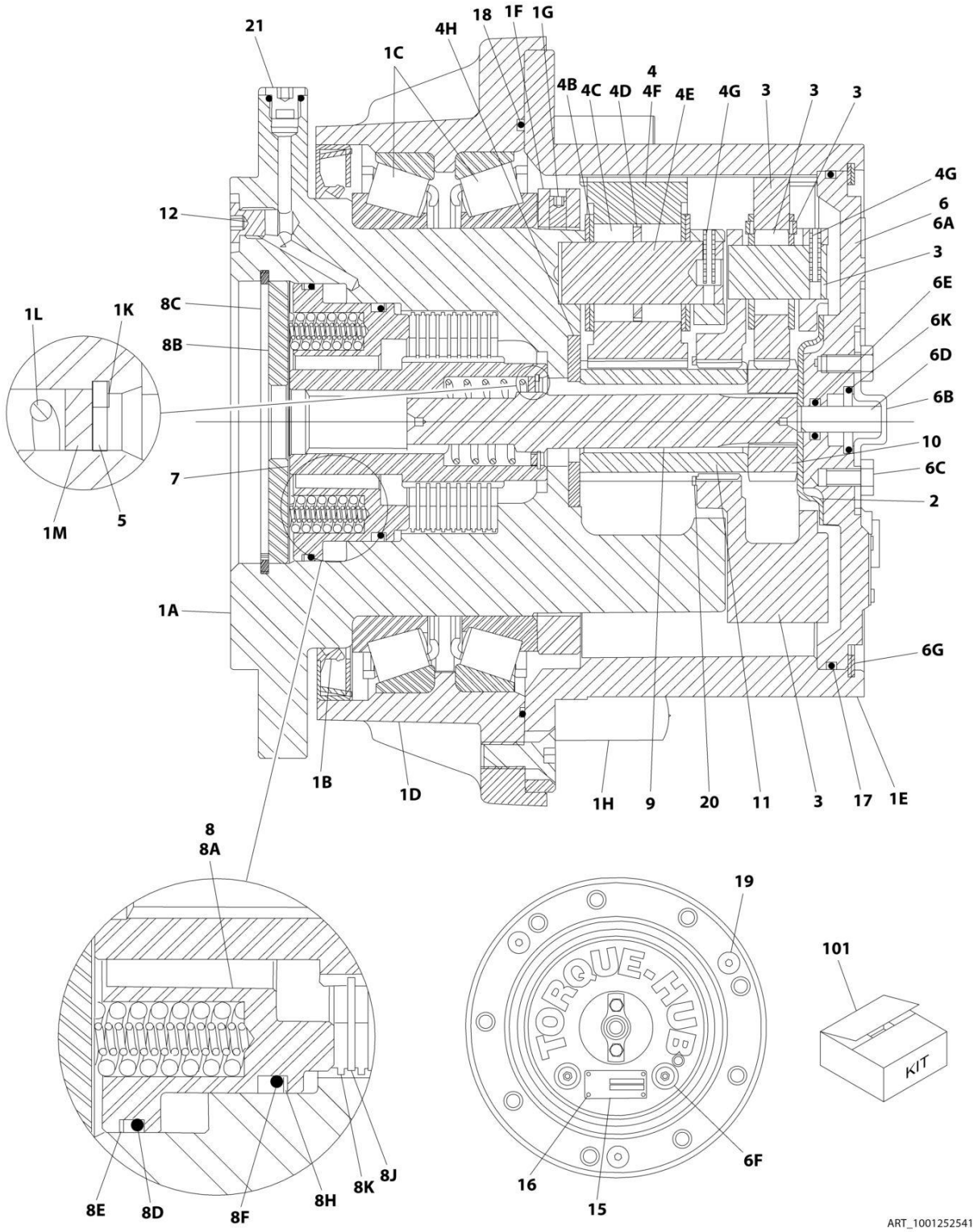


FIGURE 1-10. DRIVE HUB/BRAKE ASSEMBLY - REAR (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252541	Ref	DRIVE HUB AND BRAKE ASSEMBLY	C
1	See Note	Ref	Spindle Sub-Assembly (Note : Not Shown - Not Available as Assembly. Purchase Individual Components)	
1A	7024729	1	Spindle	
1B	70001119	1	Seal, Lip	
1C	7024735	2	Bearing, Tapered	
1D	See Note	NSS	Housing (Note: Not Available for Purchase)	
1E	7024730	1	Gear, Ring	
1F	70003000	1	Nut, Bearing	
1G	70002996	2	Screw	
1H	7007640	9	Stud	
1K	70005613	1	Ring, Retaining (Internal)	
1L	7024124	1	Spring	
1M	7024129	1	Thrust washer	
2	7024741	1	Spacer, Thrust	
3	70007171	1	Carrier, Sub-Assembly (Note: Sold as an Assembly Only)	
4	70007172	1	Planet Gear Sub-Assembly	
4B	7024740	12	Thrust washer	
4C	7024734	84	Bearing, Needle	
4D	7024736	3	Spacer, Thrust	
4E	7024726	3	Shaft, Planet	
4F	See Note	NSS	Gear, Planet (Note : Use PN 70007172)	
4G	7001913	3	Pin, Roll	
4H	7024742	1	Thrust washer	
5	7017027	1	Ring, Retaining (External)	
6	70001368	1	Cover Gear Sub-Assembly	
6A	See Note	NSS	Flange, Plate/Cover (Note: Use Item 6)	
6B	7017093	1	Cap, Disengage	
6C	7000216	2	Bolt 1/4 x 1/2	
6D	7024739	1	Pin, Dowel	
6E	7017095	1	O-Ring	
6F	7017072	2	Plug	
6G	7024738	1	Ring, Retaining (Internal)	
6K	See Note	NSS	O-Ring (Note: Not Available for Purchase)	
7	70007170	1	Coupling Sub-Assembly	
8	70007173	1	Brake Sub-Assembly	
8A	See Note	NSS	Housing, Brake (Note: Use PN 70007173)	
8B	See Note	NSS	Spacer	
8C	70004039	1	Ring, Retaining	
8D	70002070	1	O-Ring	
8E	70002071	1	Ring, Back-up	
8F	70002073	1	O-Ring	
8H	70002072	1	Ring, Back-up	
8J	70007175	8	Rotor, Brake	
8K	70007176	9	Stator, Brake	
9	70005606	1	Shaft, Input	
10	70007174	1	Gear, Sun	
11	7024723	1	Gear, Sun	
12	7017082	1	Plug	
15	See Note	NSS	Plate, ID (Note: Not Available for Purchase)	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
16	See Note	NSS	Rivet (Note: Not Available for Purchase)	
17	7024134	1	O-Ring	
18	70002997	1	O-Ring	
19	7017022	5	Bolt (Not Shown)	
20	7024737	1	Ring, Retaining (External)	
21	70007177	1	Plug	
101	7024744	1	Seal Kit (Includes Items 1B, 1F, 1G, 17, 18 & 19)	

FIGURE 1-11. DRIVE MOTOR ASSEMBLY (400S HC3)

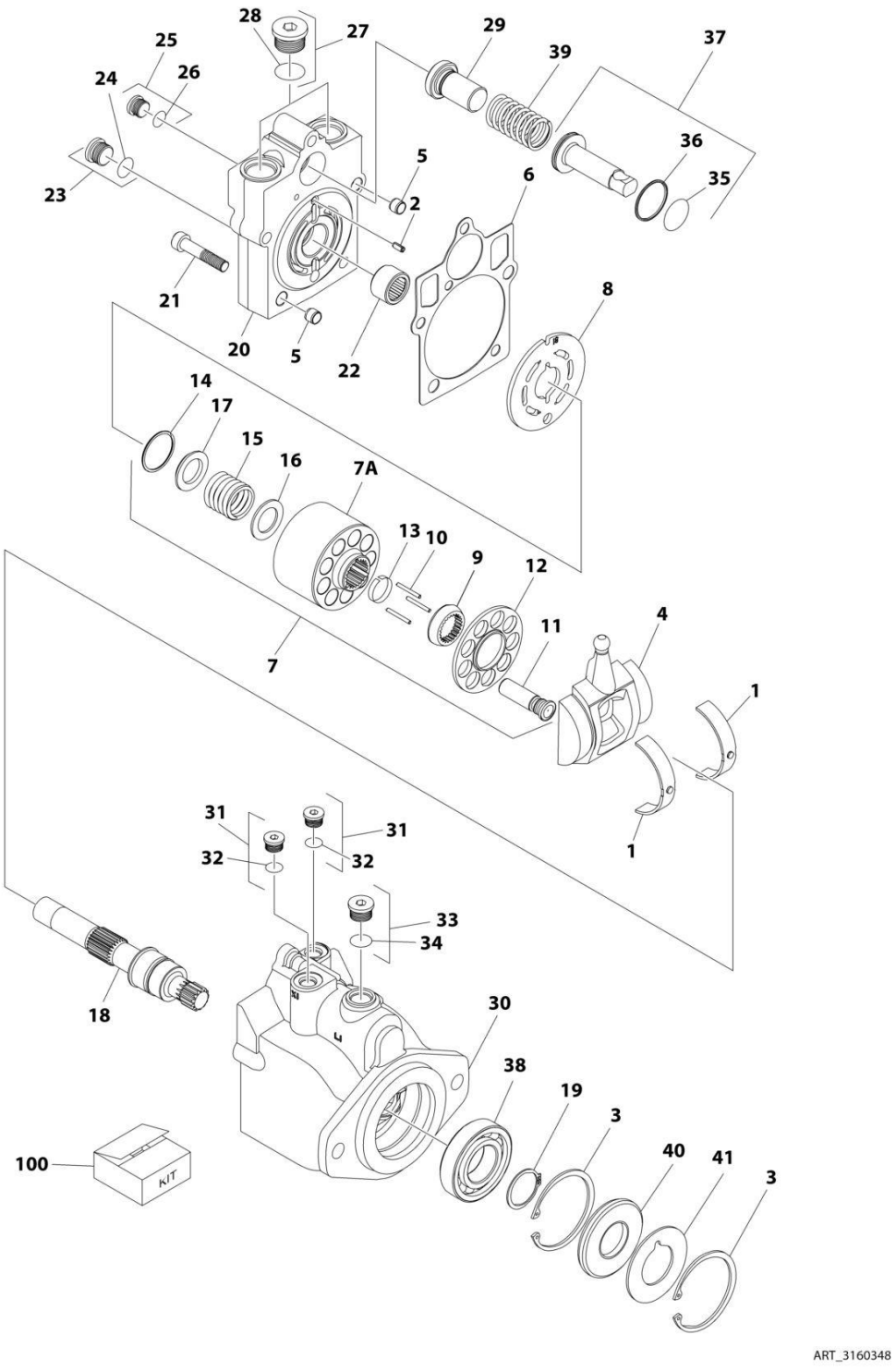


FIGURE 1-11. DRIVE MOTOR ASSEMBLY (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160348	Ref	DRIVE MOTOR ASSEMBLY	D
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	7022305	1	Swash Plate	
5	See Note	2	Pin (Note: Not Available for Purchase)	
6	See Note	NSS	Gasket (Note: Use Item 100)	
7	7023907	1	Cylinder Block Kit (Includes Items 7A & 9-17)	
7A	See Note	NSS	Block, Cylinder (Note: Use Item 7)	
8	7023908	1	Plate, Valve	
9	7021277	1	Guide, Slipper Retainer	
10	7021275	3	Pin, Slipper Hold Down	
11	See Note	NSS	Piston Assembly (Note: Use Item 7)	
12	7022310	1	Retainer, Slipper	
13	7021276	1	Retainer, Hold Down Pin	
14	7022311	1	Ring, Retaining	
15	7022312	1	Spring	
16	7024868	1	Washer	
17	7022314	1	Retainer, Spring	
18	7023910	1	Shaft	
19	7007439	1	Ring, Retaining	
20	70000797	1	Cap, End - Axial	
21	7022368	5	Screw	
22	7021249	1	Bearing, Needle	
23	2220886	1	Plug (Includes Item 24)	
24	See Note	1	O-Ring (Note: Use Item 23 or 100)	
25	2220883	1	Plug (Includes Item 26)	
26	See Note	NSS	O-Ring (Note: Use Item 25 or 100)	
27	2220888	2	Plug (Includes Item 28)	
28	See Note	NSS	O-Ring (Note: Use Item 27 or 100)	
29	7022372	1	Seat, Spring	
30	See Note	NSS	Housing (Note: Not Available - Purchase Complete Assembly)	
31	2220883	2	Plug (Includes Item 32)	
32	See Note	NSS	O-Ring (Note: Use Item 31 or 100)	
33	2220886	1	Plug (Includes Item 34)	
34	See Note	NSS	O-Ring (Note: Use Item 33 or 100)	
35	See Note	NSS	O-Ring (Note: Use Item 100)	
36	See Note	NSS	Ring, Seal (Note: Use Item 100)	
37	7024854	1	Piston, Servo (Includes Items 35 & 36)	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	See Note	1	Seal, Lip (Note: Use Item 100)	
41	7022371	1	Washer, Support	
		Ref	KIT OPTIONS:	
100	7022328	1	Seal Kit (Includes Items 6, 24, 26, 28, 32, 34, 35, 36 & 40)	

FIGURE 1-12. DRIVE MOTOR ASSEMBLY (460SJ HC3)

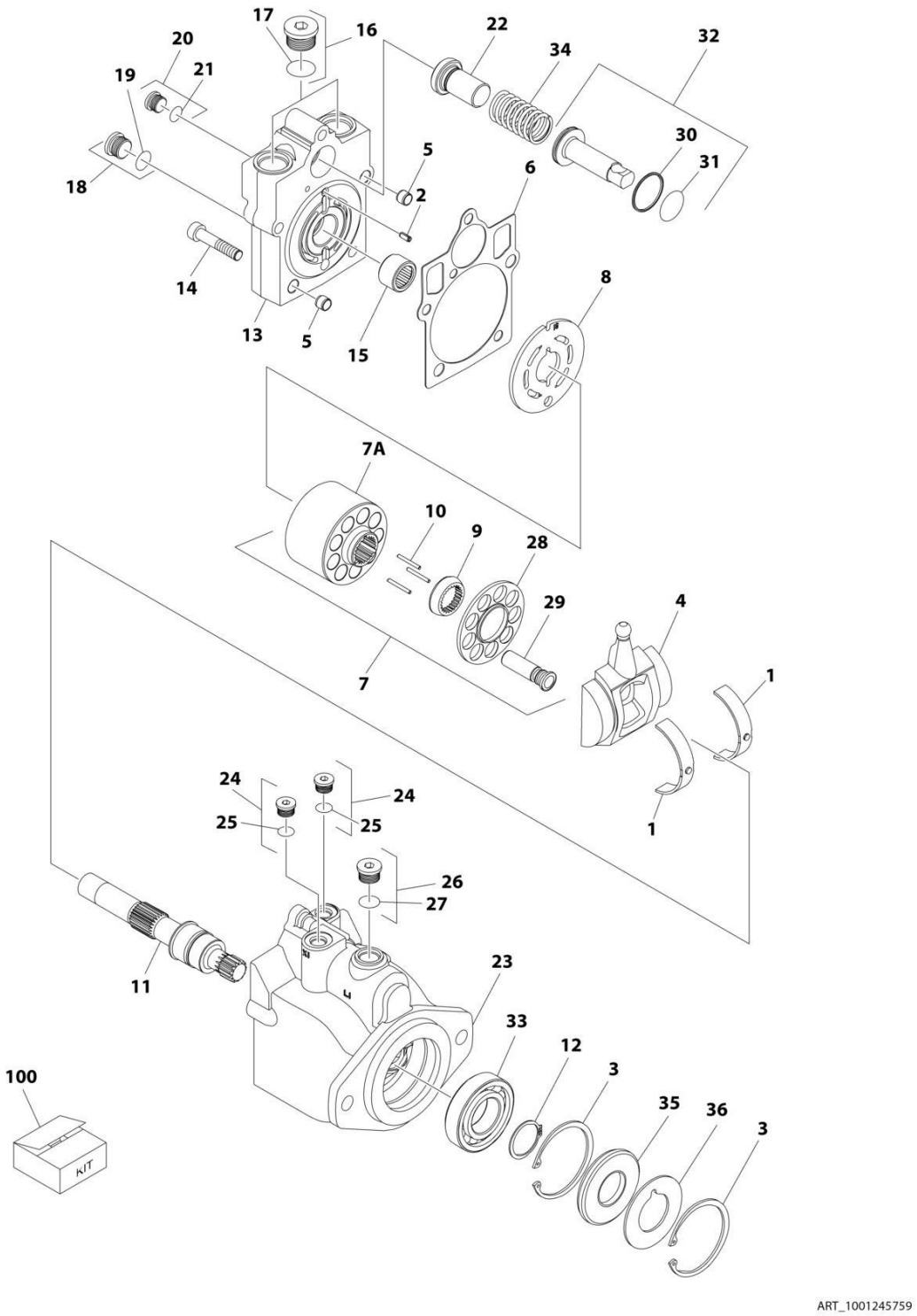


FIGURE 1-12. DRIVE MOTOR ASSEMBLY (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245759	Ref	DRIVE MOTOR ASSEMBLY	C
1	70007145	1	Bearing Kit	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	70000794	1	Swash Plate	
5	70003628	2	Pin	
6	See Note	NSS	Gasket (Note: Use Item 100)	
7	7027740	1	Cylinder Block Kit (Includes Items 7A, 9, 28 & 29)	
7A	70007146	1	Block, Cylinder	
8	70000854	1	Plate, Valve	
9	70000856	1	Guide, Slipper Retainer	
10	7021275	3	Pin, Slipper Hold Down	
11	7023910	1	Shaft	
12	7007439	1	Ring, Retaining	
13	70000795	1	Cap, End - Axial	
14	7022368	5	Screw	
15	7021249	1	Bearing, Needle	
16	7007419	1	Plug (Includes Item 17)	
17	See Note	NSS	O-Ring (Note: Use Item 17 or 100)	
18	7022321	1	Plug (Includes Item 19)	
19	See Note	NSS	O-Ring (Note: Use Item 19 or 100)	
20	2220883	1	Plug (Includes Item 21)	
21	See Note	NSS	O-Ring (Note: Use Item 21 or 100)	
22	70007142	1	Seat, Spring	
23	70001932	1	Housing	
24	7007420	2	Plug (Includes Item 25)	
25	See Note	NSS	O-Ring (Note: Use Item 25 or 100)	
26	7022321	1	Plug (Includes Item 27)	
27	See Note	NSS	O-Ring (Note: Use Item 27 or 100)	
28	7000857	1	Retainer, Slipper	
29	7024865	9	Piston Assembly	
30	See Note	NSS	O-Ring (Note: Use Item 100)	
31	See Note	NSS	Ring, Seal (Note: Use Item 100)	
32	7024871	1	Piston, Servo (Includes Items 30 & 31)	
33	70007143	1	Bearing	
34	7022326	1	Spring	
35	See Note	1	Seal, Lip (Note: Use Item 100)	
36	7022371	1	Washer, Support	
37		Ref	KIT OPTIONS:	
100	7022328	1	Seal Kit (Includes Items 6, 17, 19, 21, 25, 27, 30 & 35)	

FIGURE 1-13. TRACTION VALVE ASSEMBLY

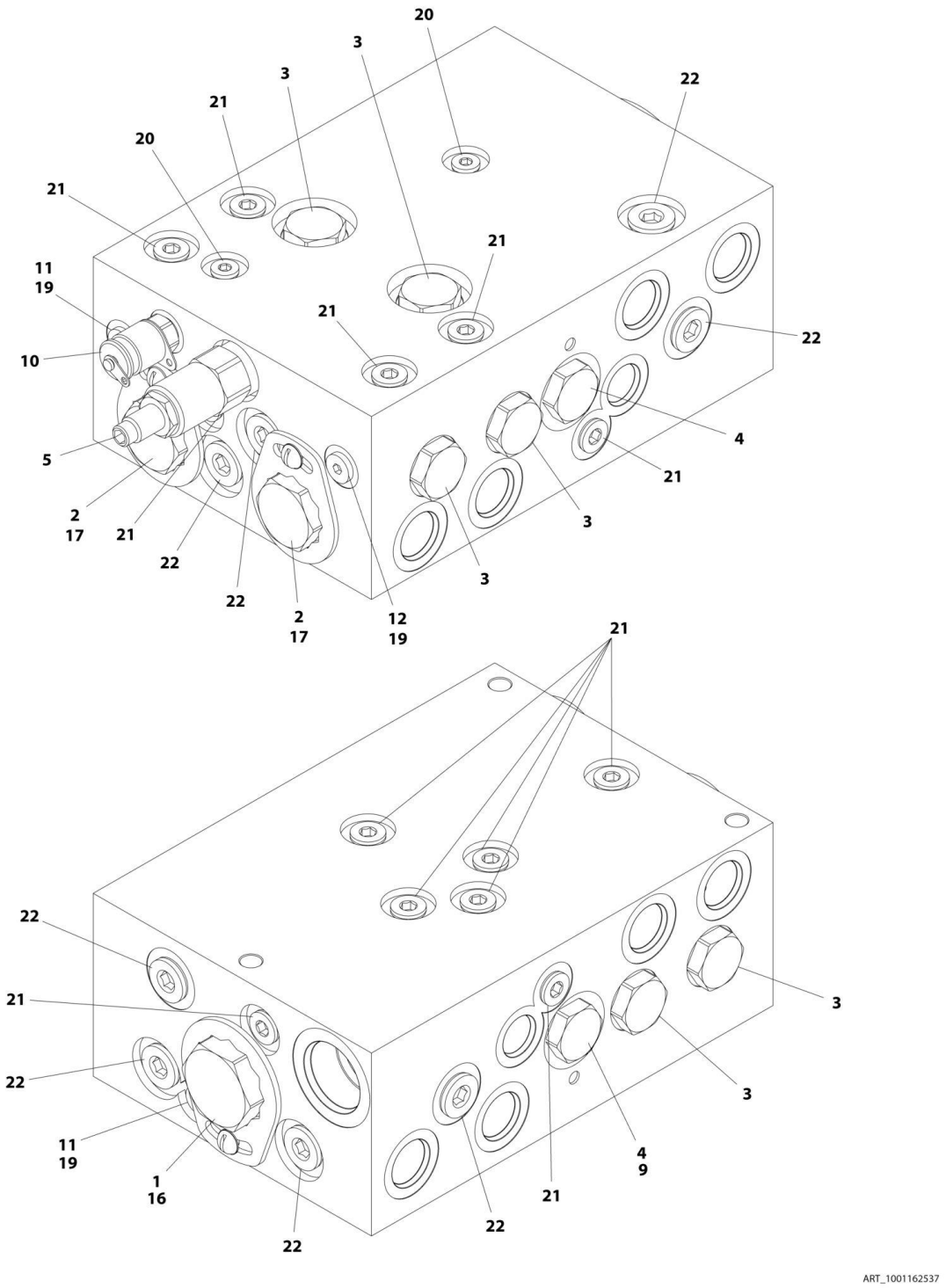


FIGURE 1-13. TRACTION VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162537	Ref	TRACTION VALVE ASSEMBLY (4WD)	E
1	70004017	1	Cartridge, Flow Divider Valve	
1	7021625	1	Seal Kit - 70004017 Valve	
2	70004885	2	Cartridge, Flow Divider Valve	
2	70004577	2	Seal Kit - 70004885 Valve	
3	7022397	6	Cartridge, Check Valve	
3	7022399	6	Seal Kit - 7022397 Valve	
4	7021639	2	Cartridge, Check Valve	
4	2900756	2	Seal Kit - 7021639 Valve	
5	70004886	1	Cartridge, Relief Valve	
5	7017496	1	Seal Kit - 70004886 Valve	
9	7024881	1	Piston, Pilot	
10	2221086	1	Fitting, Test Port	
11	70004884	2	Orifice	
12	70002209	1	Orifice	
16	70000781	1	Lockdown Kit	
17	70002962	2	Lockdown Kit	
19	2220883	3	Plug, #4	
20	See Note	NSS	Plug (Note: Not Available for Purchase)	
21	91164079	13	Plug	
22	91164057	8	Plug	

FIGURE 1-14. TIRE AND WHEEL INSTALLATION - 14 X 176.5 FOAM FILLED (400S HC3 & 460SJ HC3)

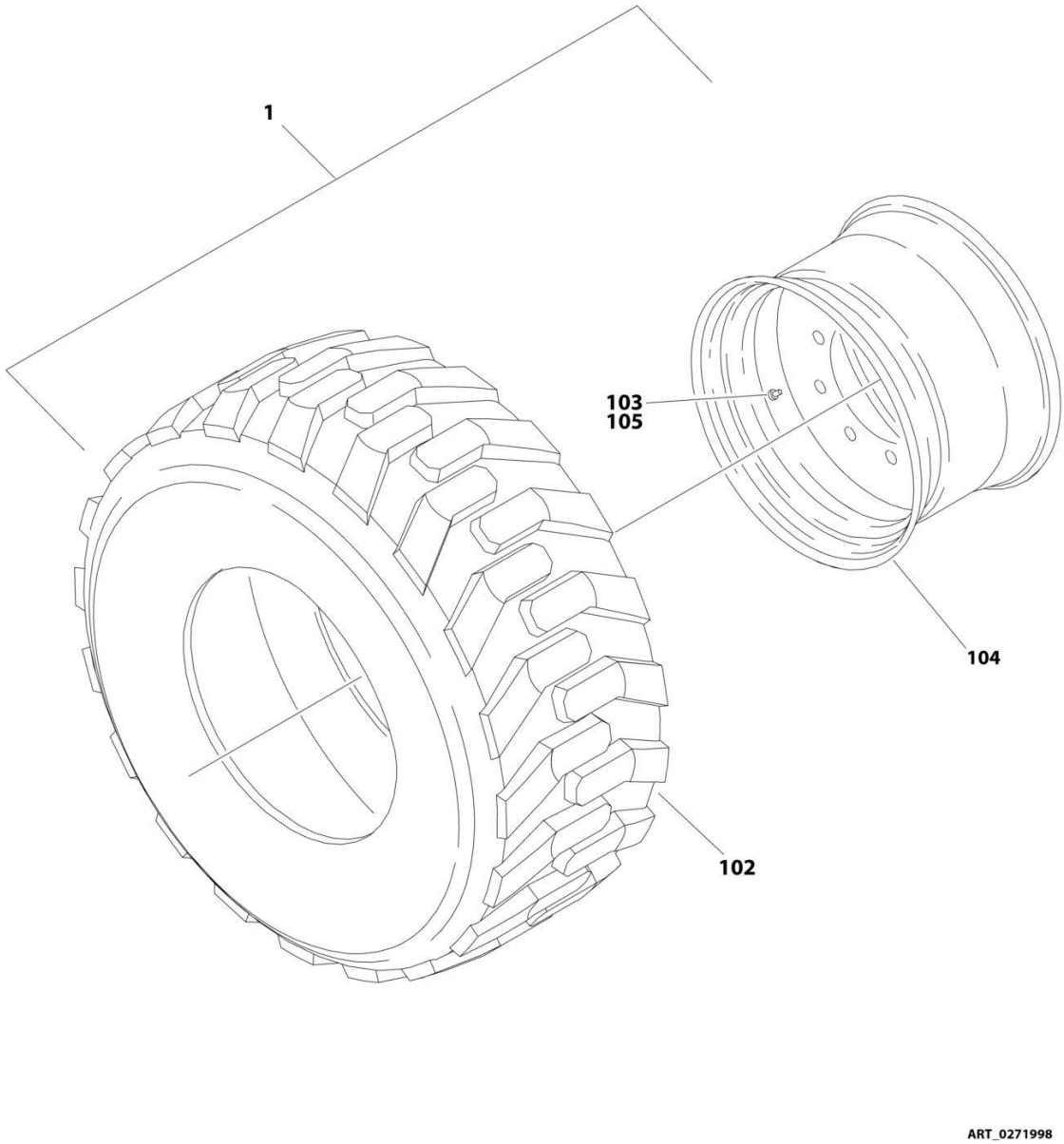


FIGURE 1-14. TIRE AND WHEEL INSTALLATION - 14 X 176.5 FOAM FILLED (400S HC3 & 460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271998	Ref	TIRE AND WHEEL INSTALLATION - 14 X 17.5 FOAM FILLED	B
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001148875	Ref	Tire and Wheel Assembly - 14 x 17.5 (RH Side)	F
1	1001148876	Ref	Tire and Wheel Assembly - 14 x 17.5 (LH Side)	F
102	4520259	4	Tire - 14 x 17.5	
103	4641122	4	Valve	
104	1001146397	4	Rim, Wheel	
105	1001149953	4	Cap, Valve Stem	

FIGURE 1-15. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED (400S HC3)

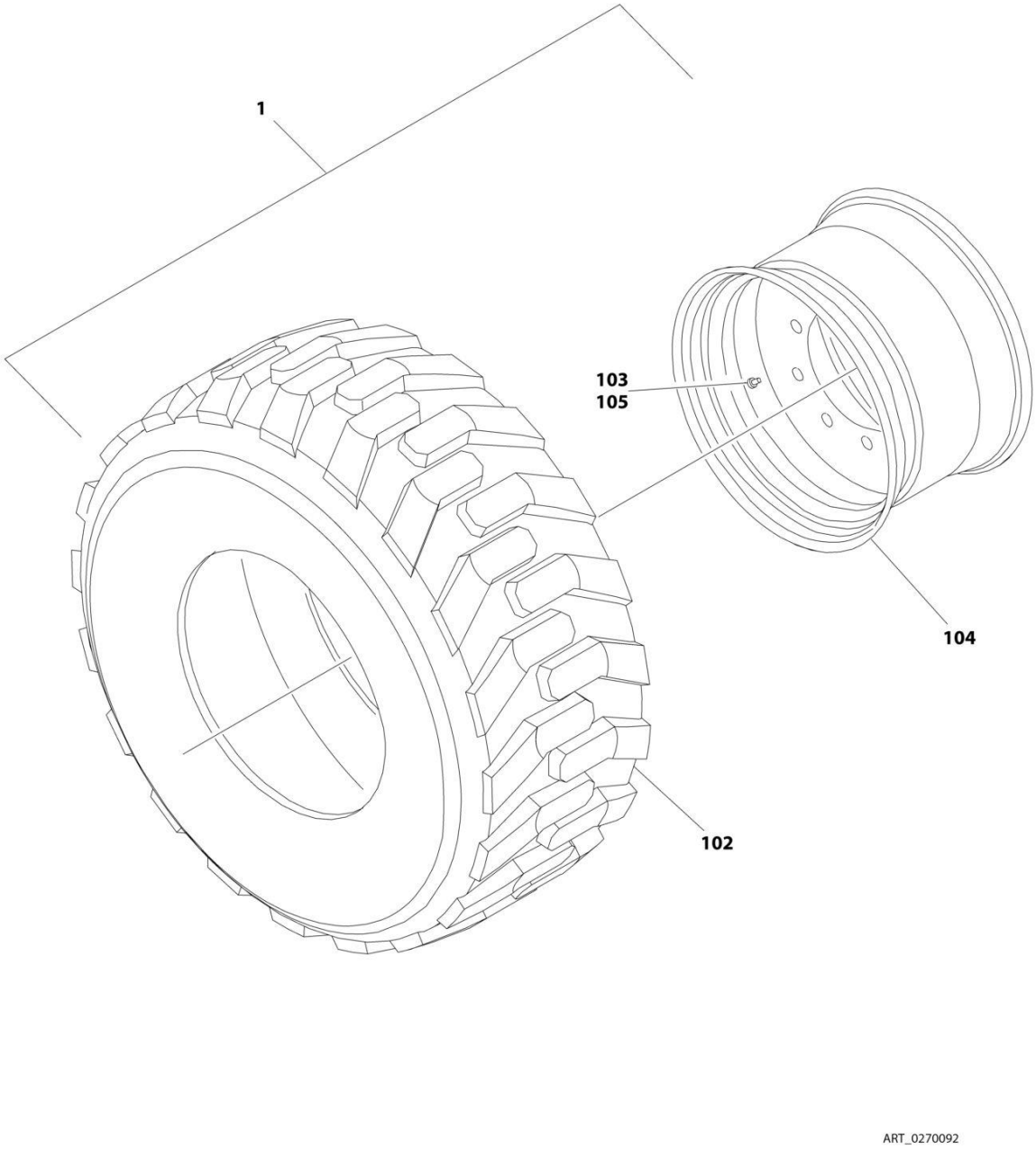


FIGURE 1-15. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270092	Ref	TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED	C
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001148865	2	Tire and Wheel Assembly - 12 x 16.5 (RH Side)	G
1	1001148866	2	Tire and Wheel Assembly - 12 x 16.5 (LH Side)	G
102	4520216	4	Tire - 12 x 16.5	
103	4641122	4	Valve	
104	1001147274	4	Rim, Wheel	
105	1001149953	4	Cap, Valve Stem	

FIGURE 1-16. TIRE AND WHEEL INSTALLATION - 33 X 12D610 FOAM-FILLED (460SJ HC3)

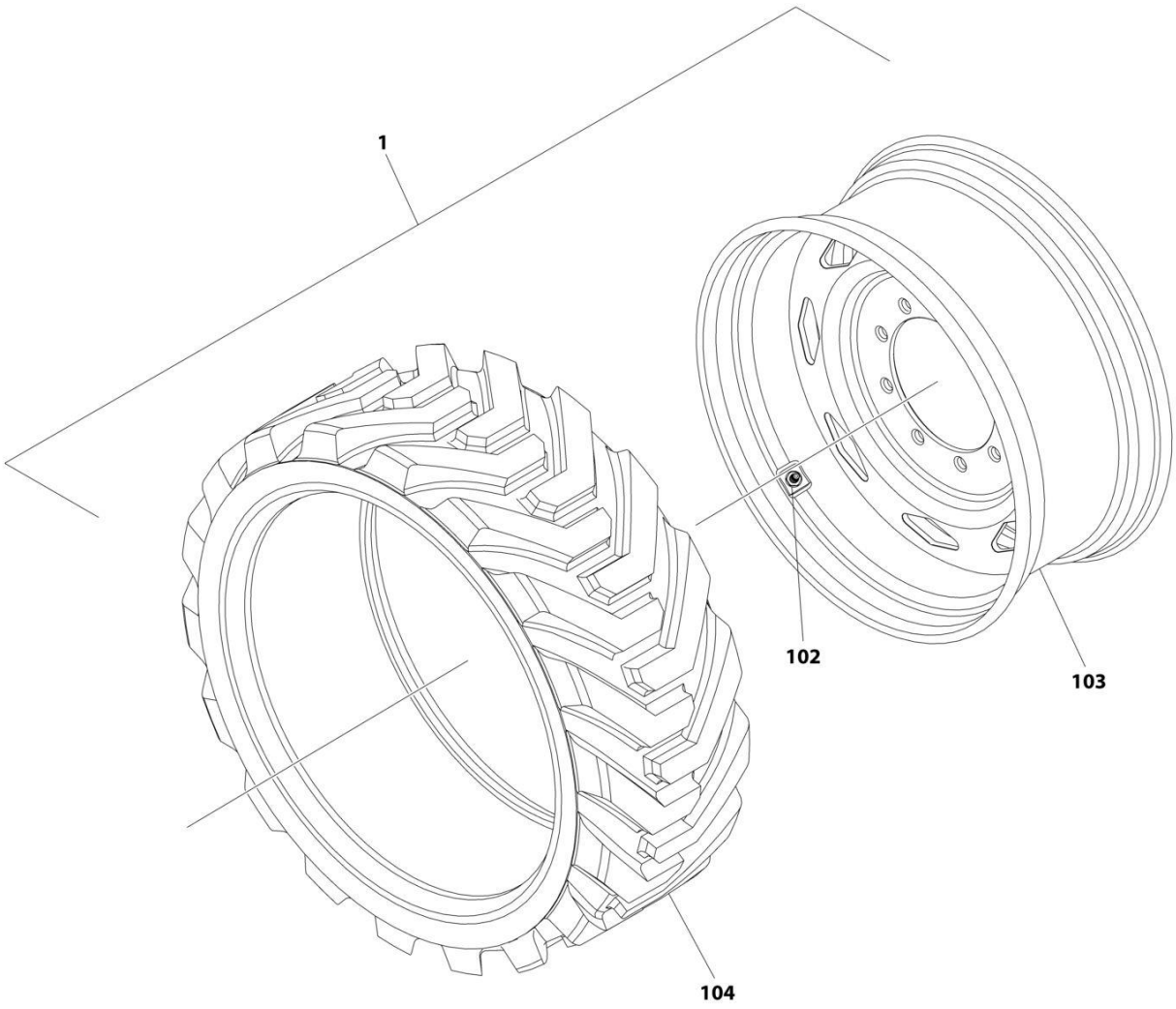


FIGURE 1-16. TIRE AND WHEEL INSTALLATION - 33 X 12D610 FOAM-FILLED (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245211	Ref	TIRE AND WHEEL INSTALLATION - 33 x 12D610 FOAM-FILLED	A
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.	
		Ref	Note: Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001245197	2	Tire and Wheel Assembly - 33 x 12 (RH Side)	
1	1001245198	2	Tire and Wheel Assembly - 33 x 12 (LH Side)	
102	4641122	1	Valve	
103	1001245195	1	Wheel	
104	1001245196	1	Tire - 33 x 12	

FIGURE 1-17. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FF NON-MARKING (400S HC3)

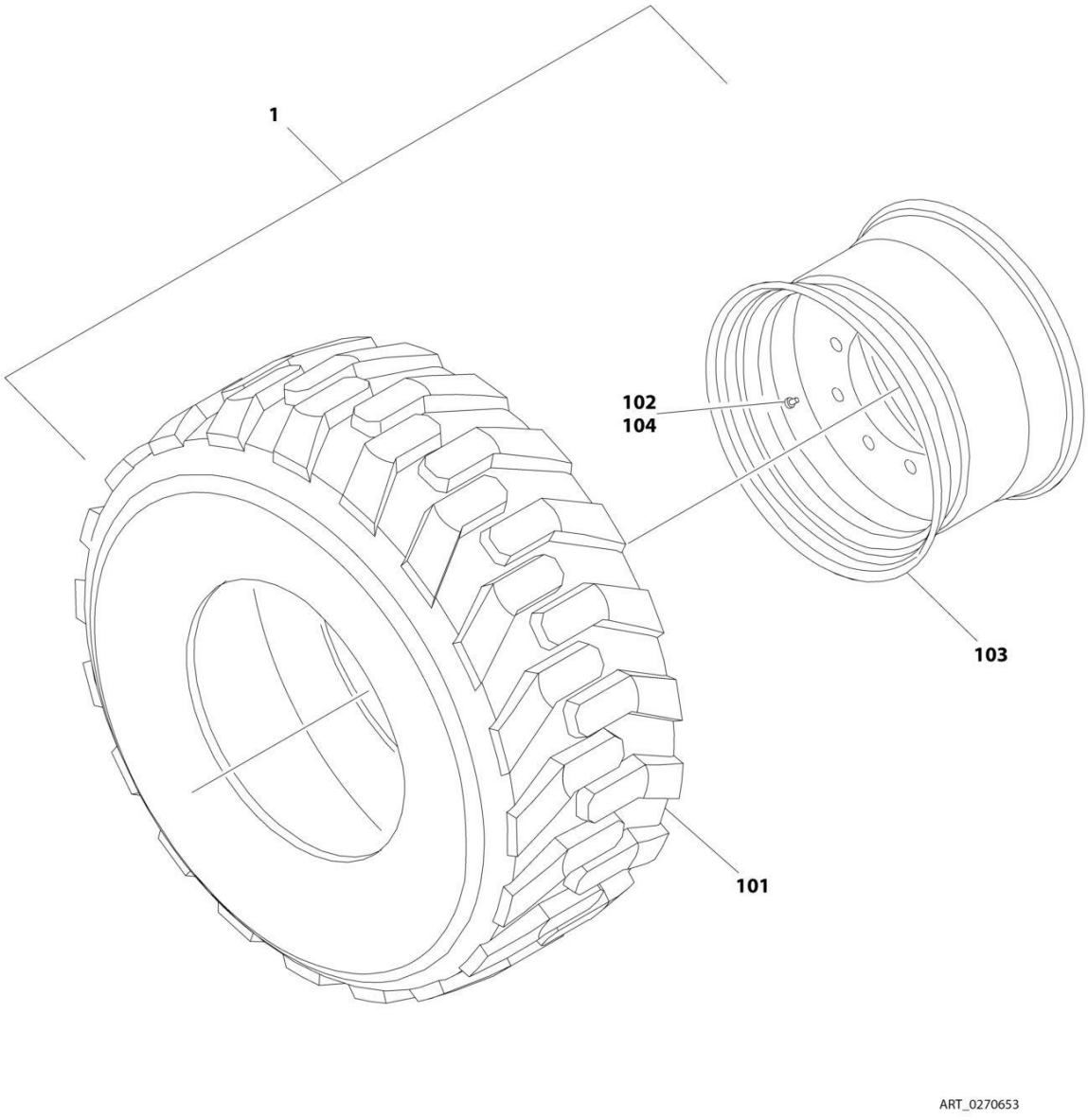


FIGURE 1-17. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FF NON-MARKING (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270653	Ref	TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED	B
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001148869	1	Tire and Wheel Assembly - Right Side	H
1	1001148870	1	Tire and Wheel Assembly - Left Side	H
101	4520240	1	Tire 12 x 16.5 Non-Marking	
102	4641122	1	Valve	
103	1001147274	1	Rim, Wheel	
104	1001149953	1	Cap, Valve Stem	

FIGURE 1-18. TIRE AND WHEEL INSTALLATION - 14 X 17.5 FF NON-MARKING

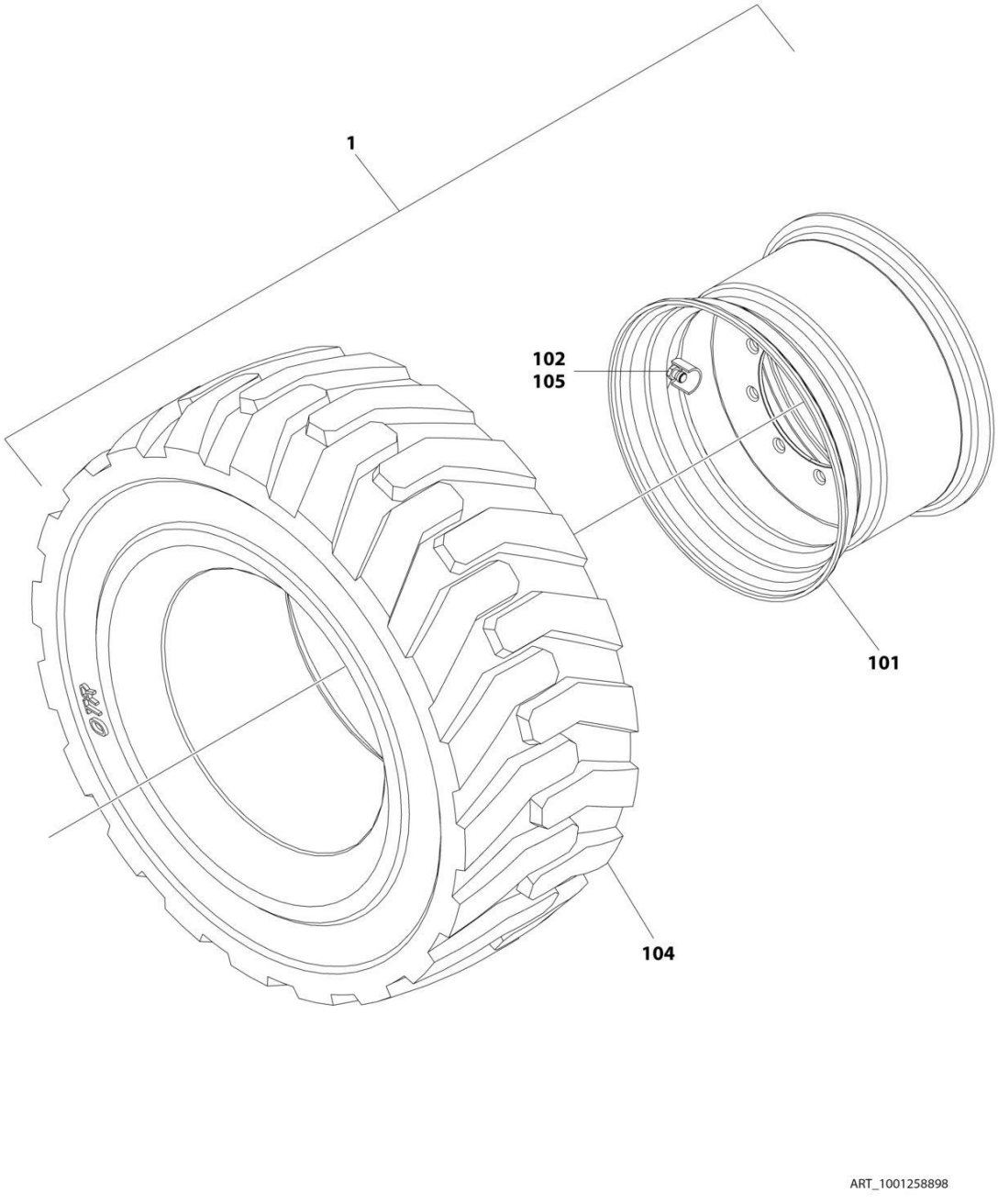


FIGURE 1-18. TIRE AND WHEEL INSTALLATION - 14 X 17.5 FF NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258898	Ref	TIRE AND WHEEL INSTALLATION - 14 X 17.5 FF NON-MARKING	A
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001258896	1	Tire and Wheel Assembly - Right Side	H
1	1001258897	1	Tire and Wheel Assembly - Left Side	H
101	1001146397	1	Rim, Wheel	
102	1001149953	1	Cap, Valve Stem	
104	1001258895	1	Tire 14 x 17.5 Non-Marking	
105	4641122	1	Valve	

FIGURE 1-19. TIRE AND WHEEL INSTALLATION - TURF

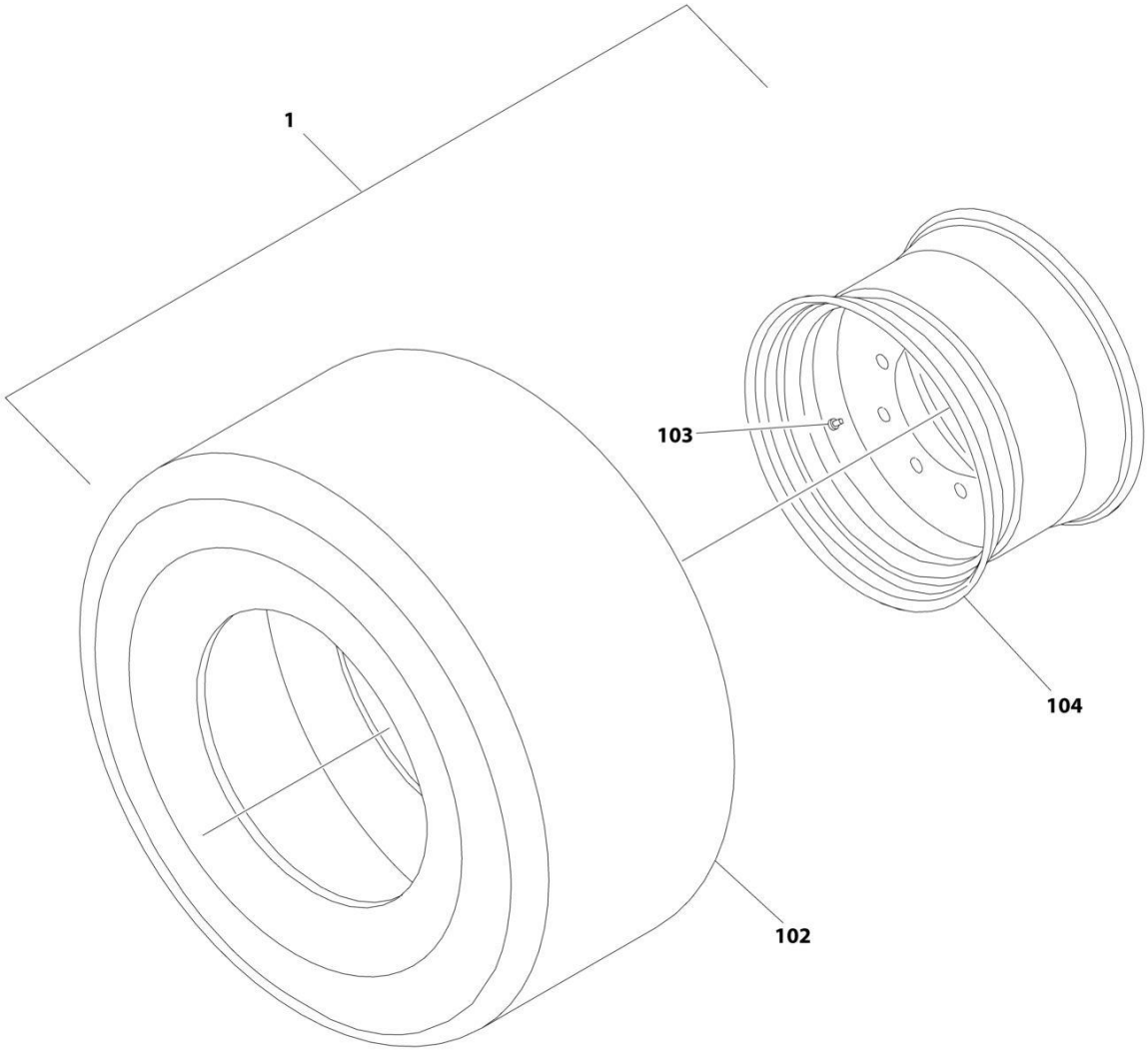


FIGURE 1-19. TIRE AND WHEEL INSTALLATION - TURF

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269298	Ref	TIRE AND WHEEL INSTALLATION - 33/16LL X 16.1 FOAM FILLED TURF	A
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001269297	2	Tire and Wheel Assembly 33/16LL X 16.1	A
102	1300018	4	Tire - 33/16LL X 16.1	
103	4641122	4	Valve	
104	4860214	4	Rim, Wheel	

FIGURE 1-20. LP TANK BRACKETS INSTALLATIONS

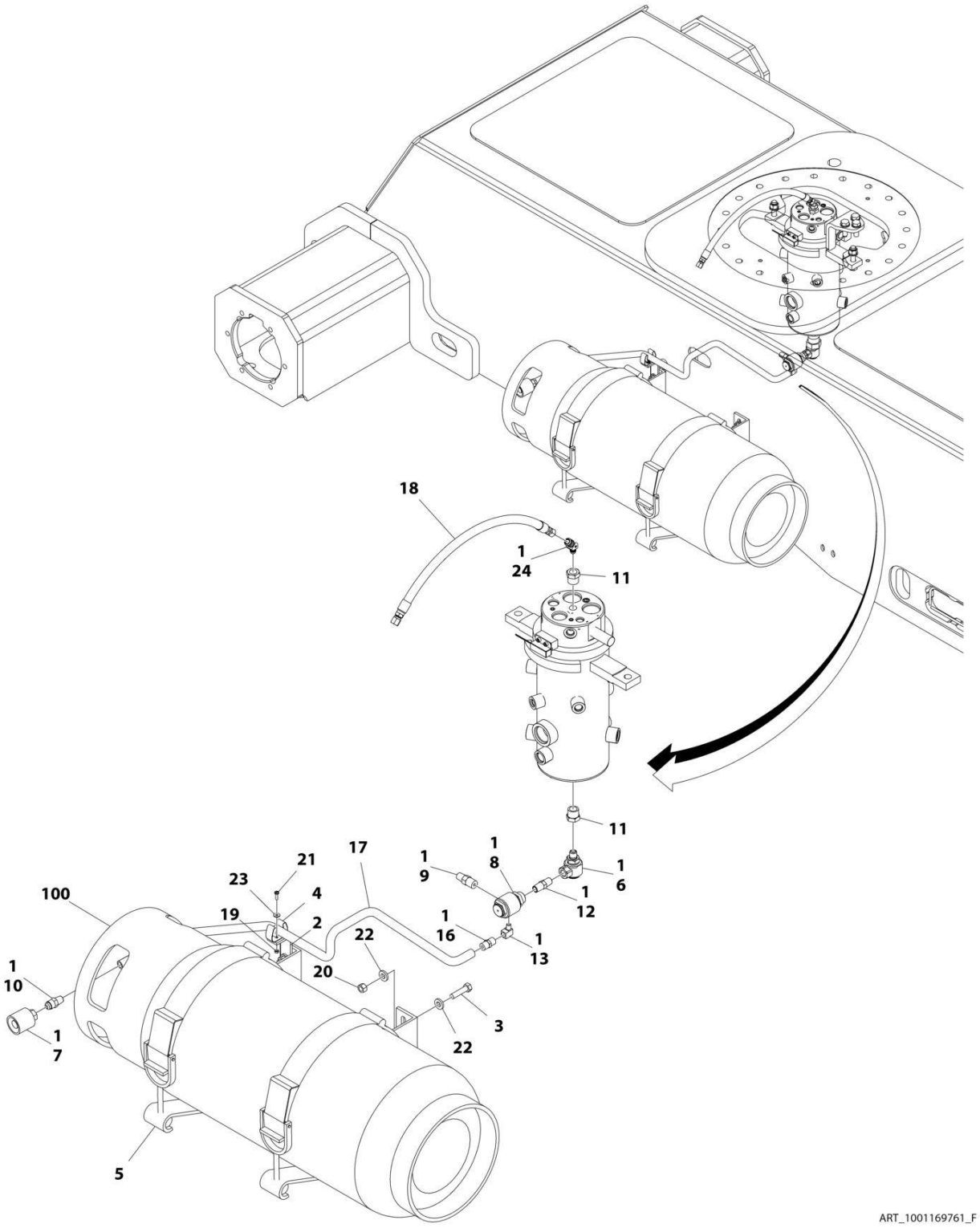


FIGURE 1-20. LP TANK BRACKETS INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169761	Ref	LP TANK BRACKETS INSTALLATION	F
1	0100020	AR	Sealant, Pipe	
2	0181949	1	Angle, Support	
4	1320218	1	Clamp	
5	1320220	1	Clamp	
6	1001247358	1	Fitting, Swivel 90	
7	2180387	1	Fitting, Straight	
8	2180388	1	Fitting, Bulkhead	
9	2180389	1	Valve, Relief	
10	2180418	1	Fitting, Straight	
11	2221197	2	Fitting, Reducer	
12	2220261	1	Fitting, Nipple	
13	2220648	1	Fitting, 90 FNPTF/NPTF	
16	2221024	1	Fitting, Nipple	
17	2720144	1	Hose	
18	2720392	1	Hose	
19	3290401	1	Nut M4 x 0.7	
21	3900332	1	Screw M4 x 14	
23	1001091102	1	Washer	
24	1001239802	1	Fitting, 45	
25	3311601	4	Nut 3/8	
26	4891600	8	Washer 3/8	
27	0641612	4	Bolt 3/8 x 1-1/2	
100	4400275	1	Tank, LP 43.5 Lbs (Aluminum)	

FIGURE 1-21. FRAME SHIELDS INSTALLATION - WITHOUT TOW PACKAGE

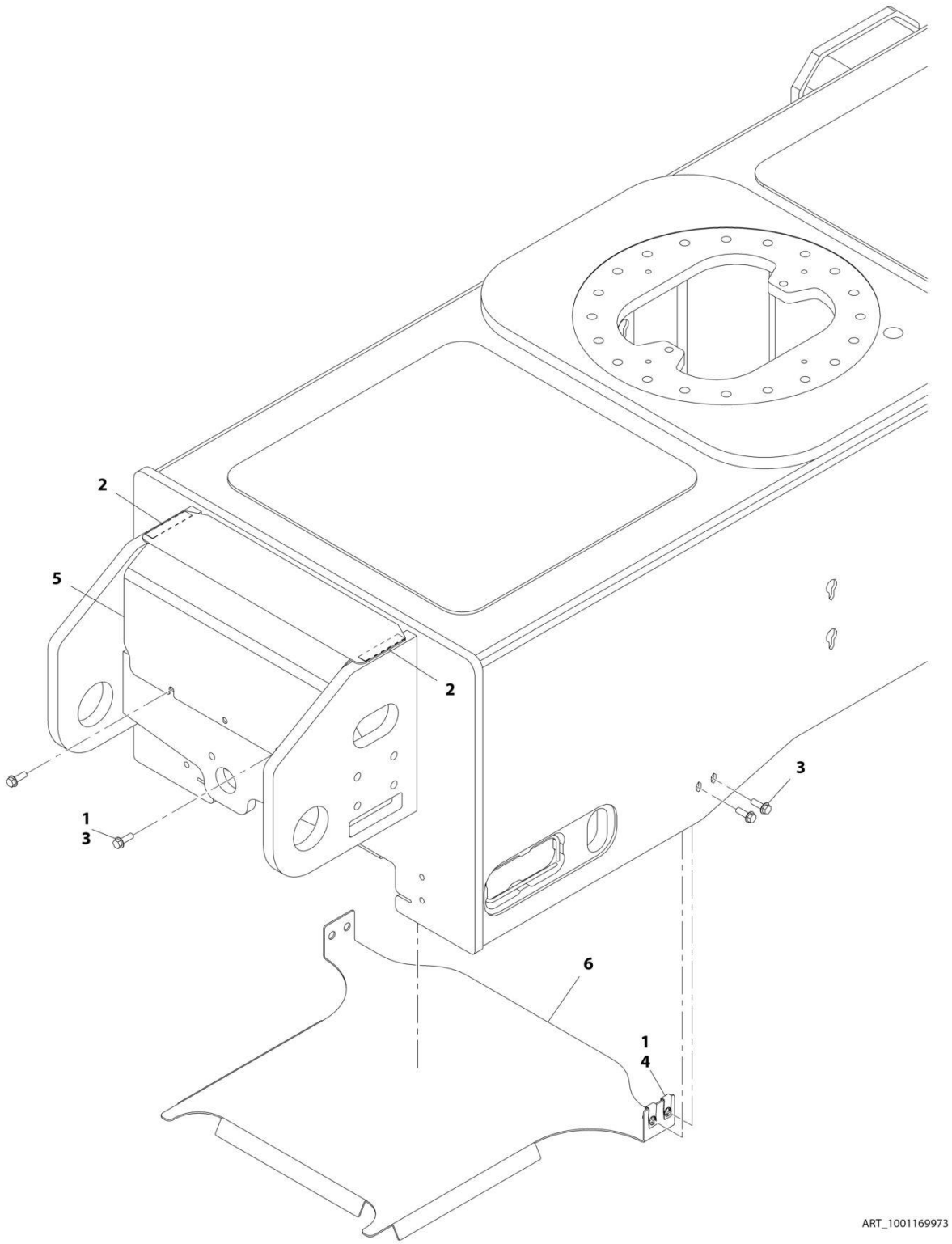


FIGURE 1-21. FRAME SHIELDS INSTALLATION - WITHOUT TOW PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169973	Ref	FRAME SHIELD INSTALLATION - WITHOUT TOW BAR	E
1	0100011	AR	Compound, Locking	
2	4280296	8 in / 20.3cm	Strip, Wear	
3	5251014	6	Bolt M10 x 30	
4	1001118972	4	Nut M10 x 1.5	
5	1001169086	1	Plate, Cover	
6	1001169955	1	Plate, Valve Cover	

FIGURE 1-22. FRAME SHIELDS INSTALLATION - WITH TOW PACKAGE

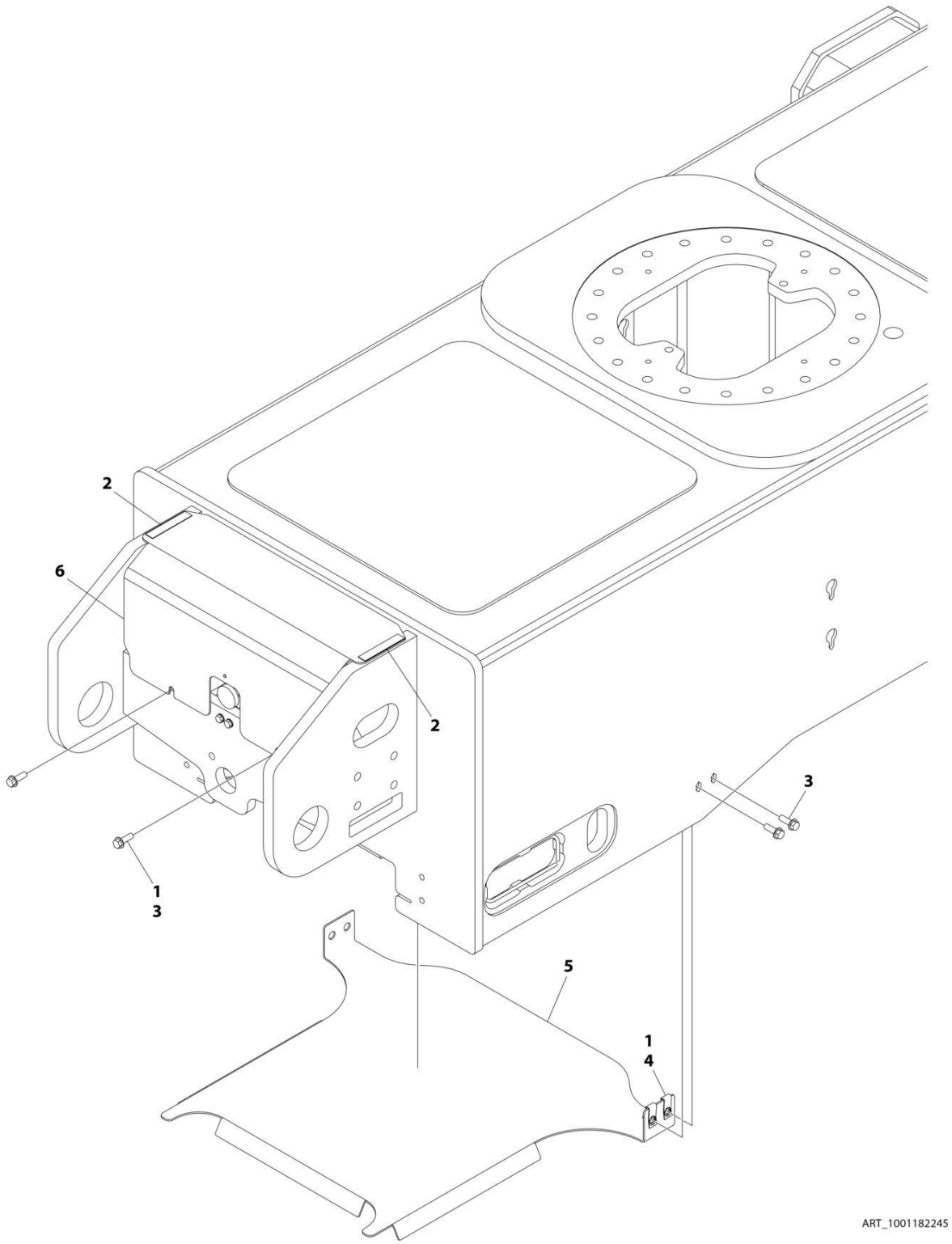


FIGURE 1-22. FRAME SHIELDS INSTALLATION - WITH TOW PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182245	Ref	FRAME SHIELD INSTALLATION - WITH TOW BAR	C
1	0100011	AR	Compound, Locking	
2	4280296	8 in / 20.3cm	Strip, Wear	
3	5251014	6	Bolt M10 x 30	
4	1001118972	4	Nut M10 x 1.5	
5	1001169955	1	Plate, Valve Cover	
6	1001182250	1	Plate, Cover	

FIGURE 1-23. TOW PACKAGE INSTALLATION

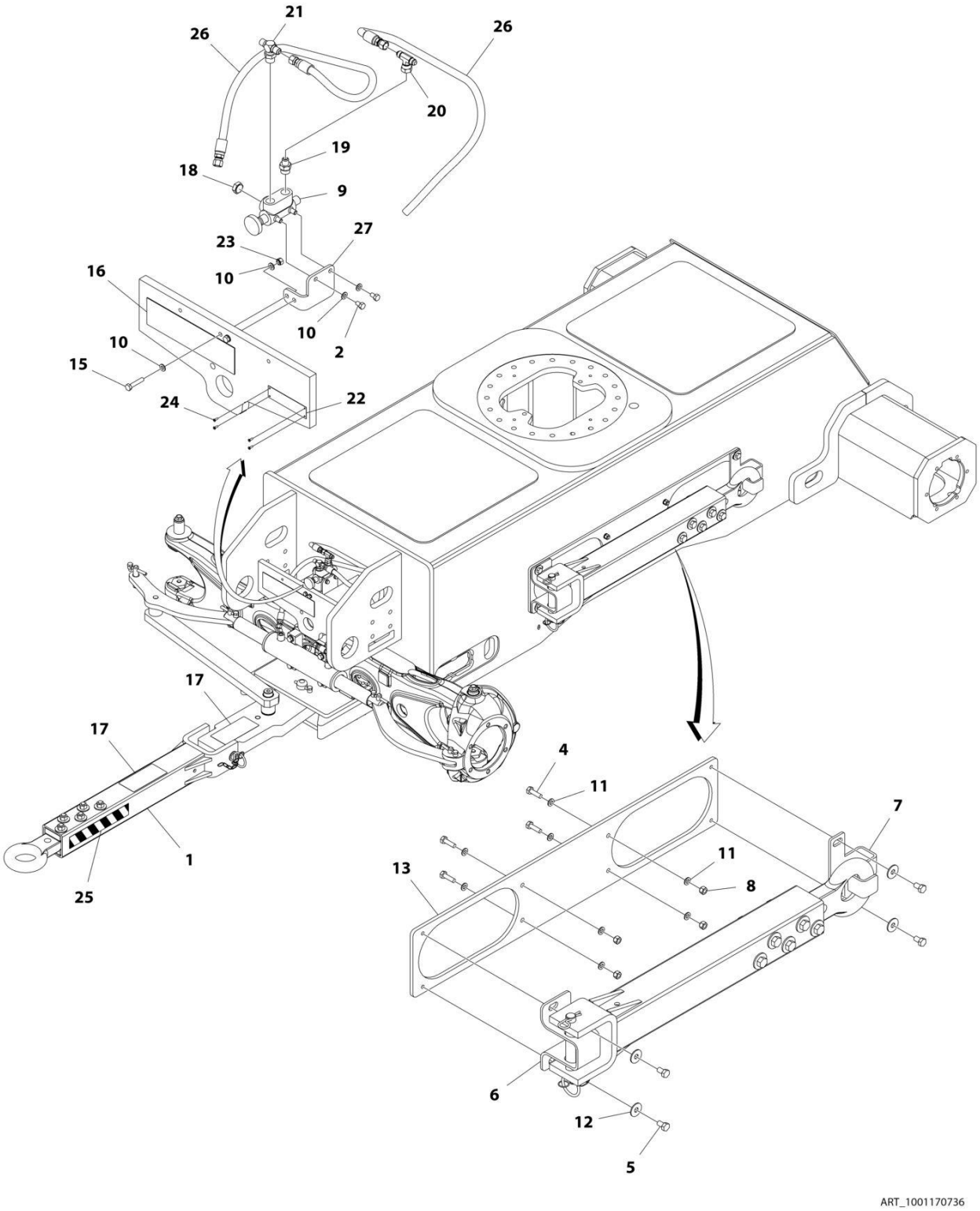


FIGURE 1-23. TOW PACKAGE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170736	Ref	TOW BAR INSTALLATION	D
1	0363019	1	Tow Bar Assembly (See Separate Breakdown in this Section)	
2	0641504	2	Bolt 5/16 x 1/2	
4	0641612	4	Bolt 3/8 x 1-1/2	
5	0761210	4	Bolt M12 x 20	
6	0902733	1	Bracket, Storage (Front)	
7	0902734	1	Bracket, Storage (Rear)	
8	3311605	4	Nut 3/8	
9	4640261	1	Steer/Tow Select Valve	
10	4811900	6	Washer M8	
11	4891600	8	Washer 3/8	
12	4812102	4	Washer M12	
13	1001166478	1	Plate, Tow Bar Mount	
15	0760816	2	Bolt M8 x 40	
16	1702968	1	Decal - Towing Instructions	
17	1704578	3	Decal - Crushing	
18	2220238	1	Plug ORB	
19	2220372	1	Fitting, Straight JIC/ORB	
20	2220579	1	Fitting, Tee JIC/FSJIC/JIC	
21	2221052	1	Fitting, Tee JIC/ORB/JIC	
22	3250872	1	Nameplate, Steer/Tow Select Valve	
23	3290805	2	Nut M8 x 1.25	
24	3820001	4	Rivet	
25	4420051	48 in /1.21m	Tape, Safety	
26	1001181913	2	Hose	
27	1001182155	1	Bracket, Valve Mounting	

FIGURE 1-24. TOW BAR ASSEMBLY

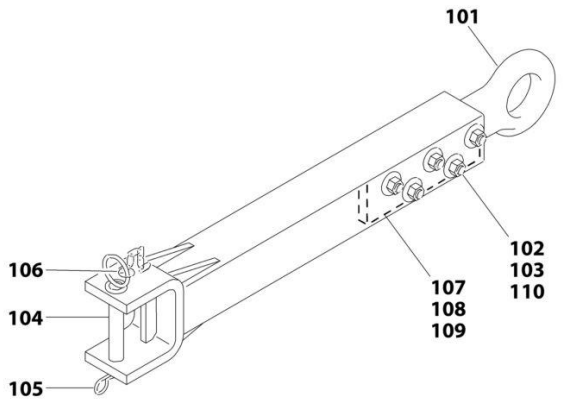


FIGURE 1-24. TOW BAR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0363019	Ref	TOW BAR ASSEMBLY	B
101	0360406	1	Pintle, Draw Eye	
102	0682040	5	Bolt 5/8 x 5	
103	3312005	5	Nut 5/8	
104	3420352	1	Pin, Towing	
105	3420372	1	Hairpin	
106	3760170	1	Ring, Split	
107	4070450	2	Shim (.07)	
108	4070560	2	Shim (.88)	
109	4070561	2	Shim (.12)	
110	4752000	10	Washer 5/8	

SECTION 2 - TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATION (400S HC3)

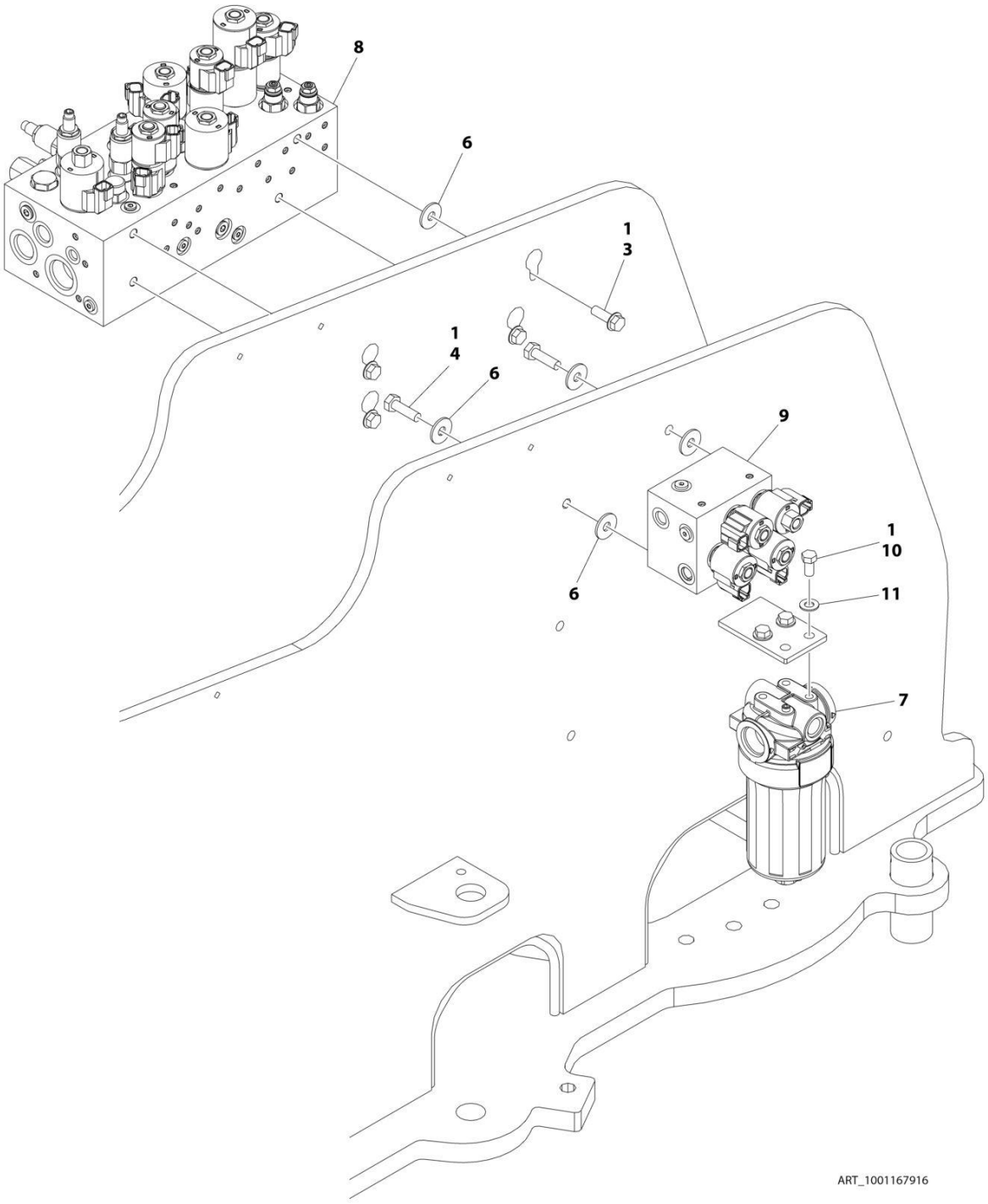


FIGURE 2-1. CONTROL VALVES INSTALLATION (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167916	Ref	CONTROL VALVES INSTALLATION	F
1	0100011	AR	Compound, Locking	
3	5251014	4	Bolt M10 x 30	
4	0761015	2	Bolt M10 x 35	
6	4812002	8	Washer M10	
7	1001208874	1	Filter, Charge Pump	
7	70010383	1	Element, Filter (Includes O-Ring)	
8	1001162531	1	Main Valve Assembly (See Separate Breakdown in this Section)	
9	1001162538	1	Axle Valve Assembly (See Separate Breakdown in this Section)	
10	0761010	3	Bolt M10 x 20	
11	4812000	3	Washer M10	

FIGURE 2-2. CONTROL VALVES INSTALLATION (460SJ HC3)

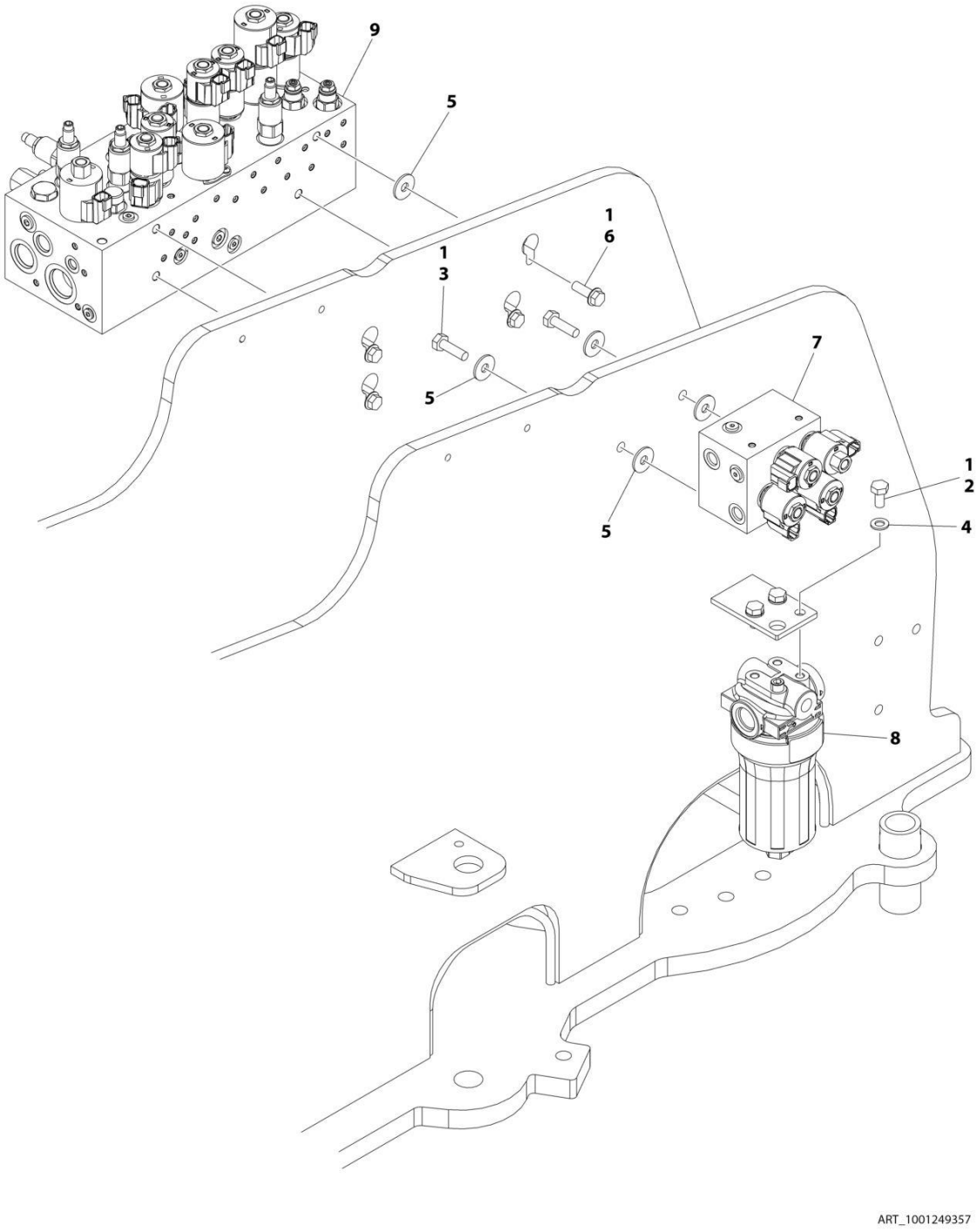


FIGURE 2-2. CONTROL VALVES INSTALLATION (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249357	Ref	CONTROL VALVES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0761010	3	Bolt M10 x 20	
3	0761015	2	Bolt M10 x 35	
4	4812000	3	Washer M10	
5	4812002	8	Washer M10	
6	5251014	4	Bolt M10 x 30	
7	1001162538	1	Axle Valve Assembly (See Separate Breakdown in this Section)	
8	1001208874	1	Filter, Charge Pump	
8	70010383	1	Element, Filter Charge Pump (Includes O-Ring)	
9	1001249356	1	Main Valve Assembly (See Separate Breakdown in this Section)	

FIGURE 2-3. CONTROL VALVE ASSEMBLY (400S HC3)

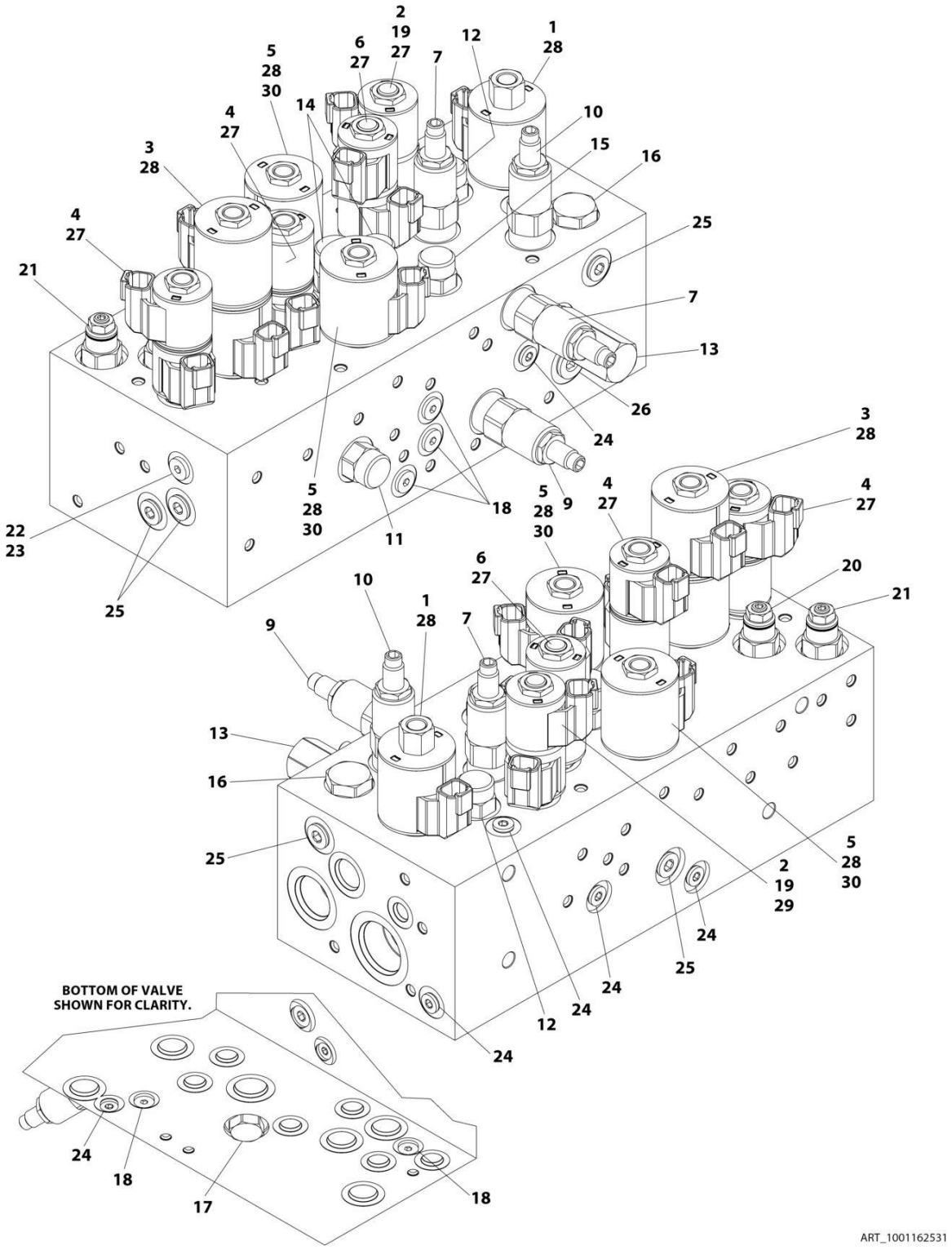


FIGURE 2-3. CONTROL VALVE ASSEMBLY (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162531	Ref	MAIN VALVE ASSEMBLY	F
1	70005069	1	Cartridge, Solenoid Less Coil (Main Dump)	
1	7022399	1	Seal Kit - 70005069 Valve	
1	70003977	1	Nut, Coil	
2	70005217	1	Cartridge, Solenoid Less Coil (Steer)	
2	70005071	1	Seal Kit - 70005217 Valve	
2	7022390	1	Nut, Coil	
3	70005072	1	Cartridge, Solenoid Less Coil (Tele)	
3	70005073	1	Seal Kit - 70005072 Valve	
3	7022390	1	Nut, Coil	
3	70003024	1	Spacer, Coil	
4	70005074	2	Cartridge, Solenoid Valve Less Coil (Platform Level and Rotate)	
4	70005075	2	Seal Kit - 70005074 Valve	
4	7022390	2	Nut, Coil	
4	70003023	2	Spacer, Coil	
5	70005076	2	Cartridge, Solenoid Less Coil (Lift Up and Flow Control)	
5	7022399	2	Seal Kit - 70005076 Valve	
5	7022390	2	Nut, Coil	
6	70005077	1	Cartridge, Solenoid Valve Less Coil (Swing)	
6	70005071	1	Seal Kit - 70005077 Valve	
6	7022390	1	Nut, Coil	
6	70003023	1	Spacer, Coil	
7	70005078	2	Cartridge, Relief Valve	
7	7023936	2	Seal Kit - 70005078 Valve	
9	70005079	1	Cartridge, Relief Valve	
9	7023936	1	Seal Kit - 70005079 Valve	
10	70005080	1	Cartridge, Relief Valve	
10	7022399	1	Seal Kit - 70005080 Valve	
11	70005081	1	Cartridge, Valve	
11	70005082	1	Seal Kit - 70005081 Valve	
12	70005218	1	Cartridge, Valve	
12	70005082	1	Seal Kit - 70005218 Valve	
13	70005084	1	Cartridge, Valve	
13	70005085	1	Seal Kit - 70005084 Valve	
14	70005086	2	Cartridge, Valve	
14	70005087	2	Seal Kit - 70005086 Valve	
15	70005088	1	Cartridge, Valve	
15	7023900	1	Seal Kit - 70005088 Valve	
16	70003408	1	Cartridge, Valve	
16	7022399	1	Seal Kit - 70005100 Valve	
17	70005089	1	Cartridge, Check Valve	
17	7023936	1	Seal Kit - 70005089 Valve	
18	70005090	5	Cartridge, Check Valve	
18	70005092	5	Seal Kit - 70005090 Valve	
19	70002974	1	Disc, Check Valve	
20	70005108	1	Cartridge, Valve	
20	2900770	1	Seal Kit - 70005108 Valve	
21	70005109	1	Cartridge, Valve	
21	2900770	1	Seal Kit - 70005109 Valve	
22	70005091	1	Orifice	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
23	2220883	1	Plug, O-Ring #4	
24	91164059	6	Plug	
25	91164079	6	Plug	
26	91164057	1	Plug	
27	70002386	6	Coil	
28	70003788	5	Coil	
29	70005219	2	Coil	
30	70005724	2	Lockdown Kit	

FIGURE 2-4. CONTROL VALVE ASSEMBLY (460SJ HC3)

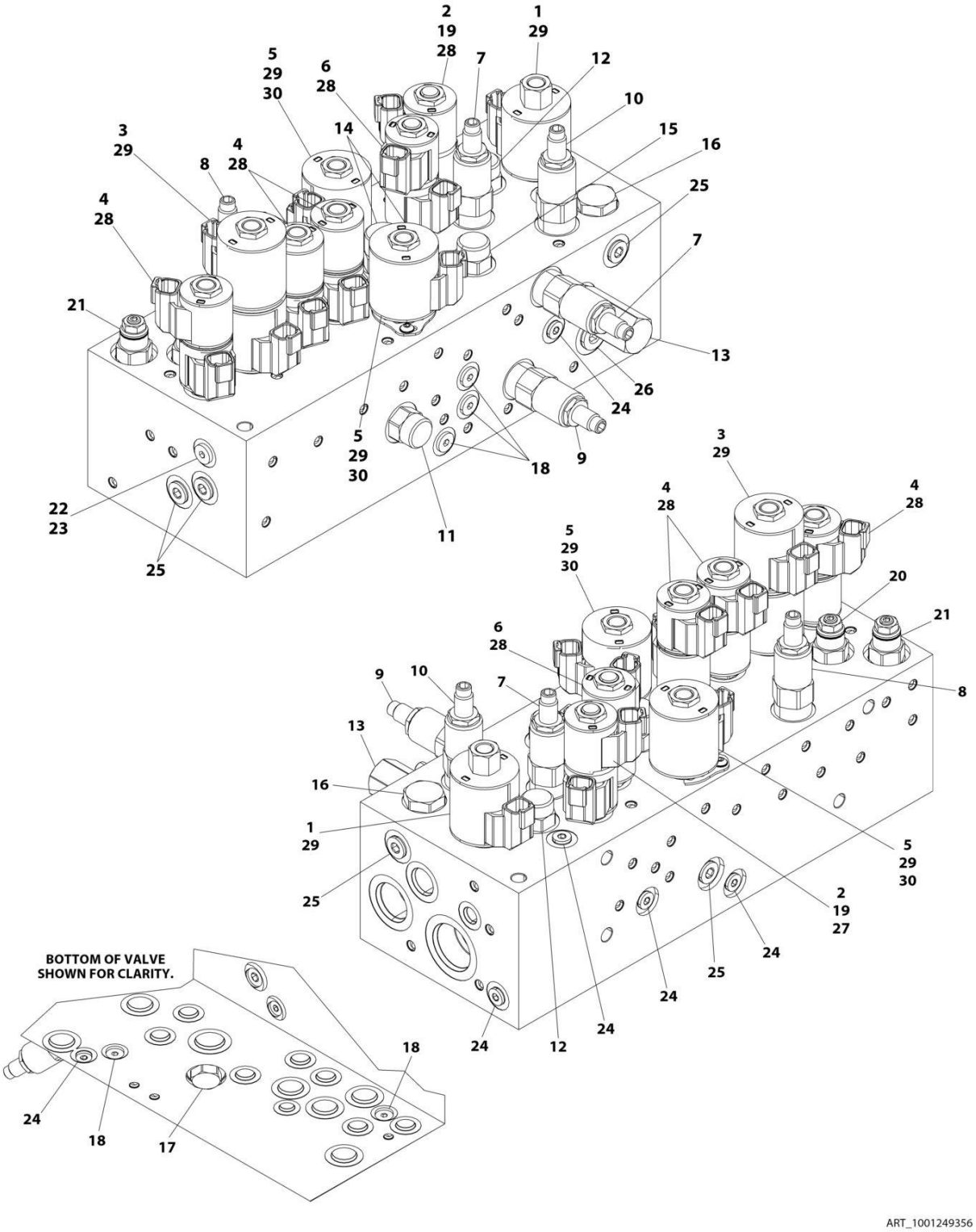


FIGURE 2-4. CONTROL VALVE ASSEMBLY (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249356	Ref	MAIN VALVE ASSEMBLY	B
1	70005069	1	Cartridge, Solenoid Less Coil (Main Dump)	
1	7022399	1	Seal Kit - 70005069 Valve	
1	70003977	1	Nut, Coil	
2	70005217	1	Cartridge, Solenoid Less Coil (Steer)	
2	70005071	1	Seal Kit - 70005217 Valve	
2	7022390	1	Nut, Coil	
3	70005072	1	Cartridge, Solenoid Less Coil (Tele)	
3	70005073	1	Seal Kit - 70005072 Valve	
3	7022390	1	Nut, Coil	
3	70003024	1	Spacer, Coil	
4	70005074	3	Cartridge, Solenoid Valve Less Coil (Platform Level and Rotate)	
4	70005075	3	Seal Kit - 70005074 Valve	
4	7022390	3	Nut, Coil	
4	70003023	3	Spacer, Coil	
5	70005076	2	Cartridge, Solenoid Less Coil (Lift Up and Flow Control)	
5	7022399	2	Seal Kit - 70005076 Valve	
5	7022390	2	Nut, Coil	
6	70005077	1	Cartridge, Solenoid Valve Less Coil (Swing)	
6	70005071	1	Seal Kit - 70005077 Valve	
6	7022390	1	Nut, Coil	
6	70003023	1	Spacer, Coil	
7	70005097	1	Cartridge, Relief Valve	
7	70005082	1	Seal Kit - 70005097 Valve	
8	70005093	1	Cartridge Relief Valve	
8	7023936	1	Seal Kit - 70005093 Valve	
9	70005079	1	Cartridge, Relief Valve	
9	7023936	1	Seal Kit - 70005079 Valve	
10	70005080	1	Cartridge, Relief Valve	
10	7022399	1	Seal Kit - 70005080 Valve	
11	70005081	1	Cartridge, Valve	
11	70005082	1	Seal Kit - 70005081 Valve	
12	70005218	1	Cartridge, Valve	
12	70005082	1	Seal Kit - 70005218 Valve	
13	70005084	1	Cartridge, Valve	
13	70005085	1	Seal Kit - 70005084 Valve	
14	70005086	2	Cartridge, Valve	
14	70005087	2	Seal Kit - 70005086 Valve	
15	70005088	1	Cartridge, Valve	
15	7023900	1	Seal Kit - 70005088 Valve	
16	70003408	1	Cartridge, Valve	
16	7022399	1	Seal Kit - 70005100 Valve	
17	70005089	1	Cartridge, Check Valve	
17	7023936	1	Seal Kit - 70005089 Valve	
18	70005090	5	Cartridge, Check Valve	
18	70005092	5	Seal Kit - 70005090 Valve	
19	70002974	1	Disc, Check Valve	
20	10740145	1	Cartridge, Valve	
20	2900770	1	Seal Kit - 70005108 Valve	
21	70005109	1	Cartridge, Valve	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	2900770	1	Seal Kit - 70005109 Valve	
22	70005091	1	Orifice	
23	2220883	1	Plug, O-Ring #4	
24	91164059	6	Plug	
25	91164079	6	Plug	
26	91164057	1	Plug	
27	70005219	2	Coil	
28	70002386	8	Coil	
29	70003788	5	Coil	
30	70005724	2	Lockdown Kit	

FIGURE 2-5. AXLE CONTROL VALVE ASSEMBLY

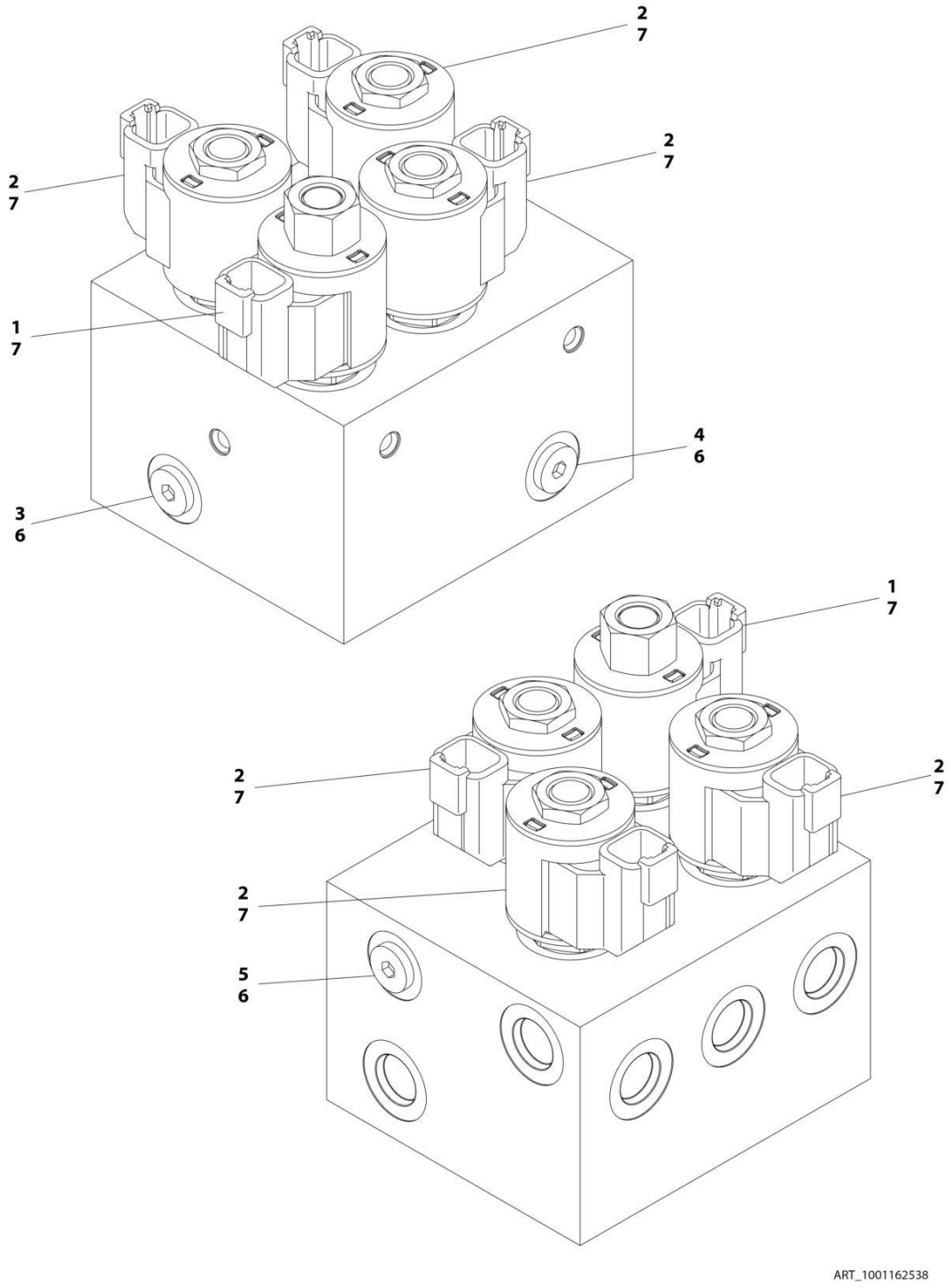


FIGURE 2-5. AXLE CONTROL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162538	Ref	AXLE VALVE ASSEMBLY	D
1	7017410	1	Cartridge, Solenoid Valve Less Coil (Secondary Axle Release)	
1	7012967	1	Seal Kit - 7017410 Valve	
2	7012941	3	Cartridge, Solenoid Valve Less Coil (Brake Release, Primary Axle Release and 2 Speed)	
2	7010543	3	Seal Kit - 7012941 Valve	
3	70004883	1	Orifice	
4	70004884	1	Orifice	
5	70002063	1	Orifice	
6	2220883	3	Plug, O-Ring #4	
7	70002386	4	Coil	

FIGURE 2-6. SWING DRIVE INSTALLATION

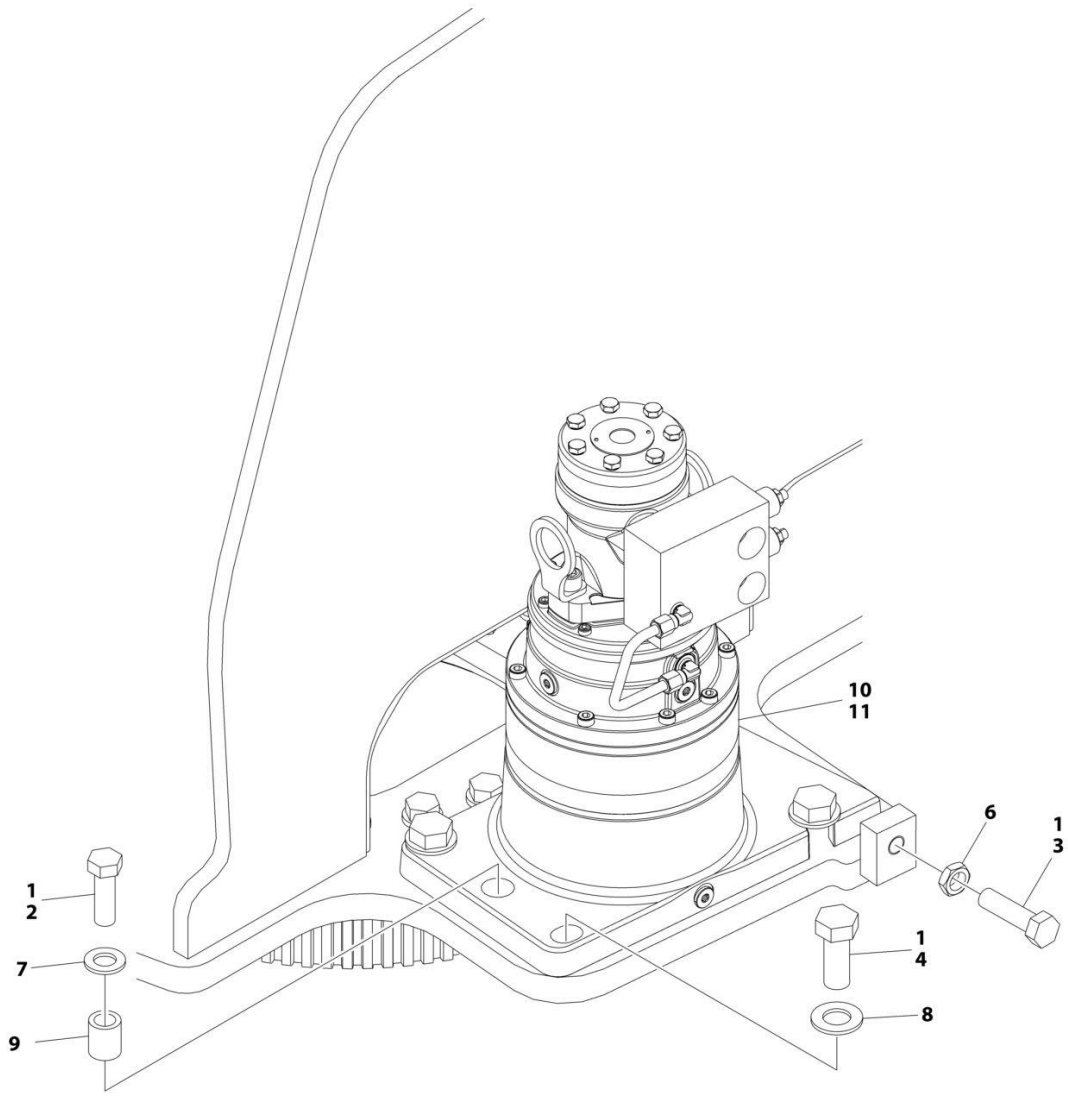
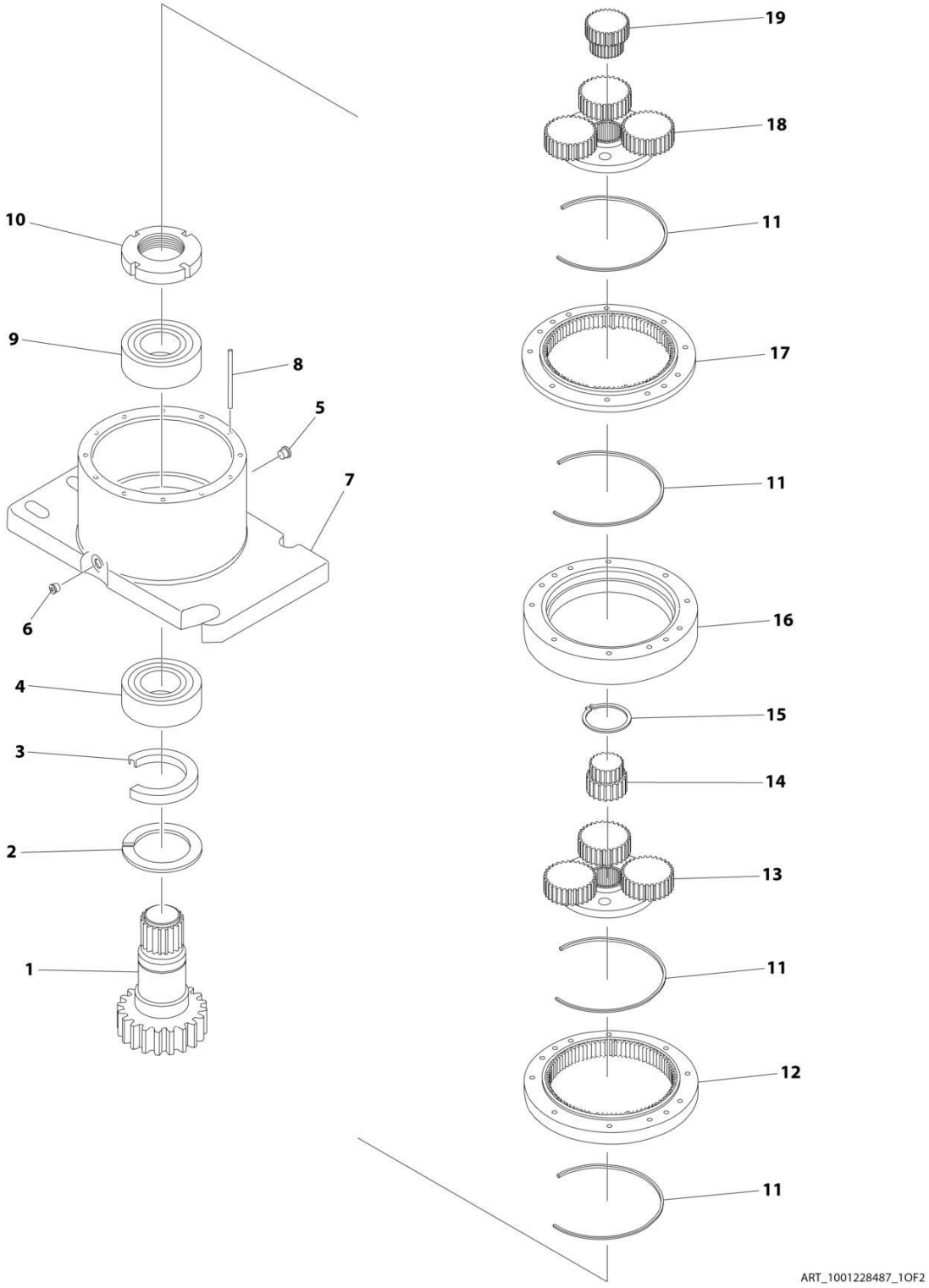


FIGURE 2-6. SWING DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228492	Ref	SWING DRIVE INSTALLATION	C
1	0100019	AR	Compound, Locking	
2	0701618	1	Bolt M16 x 50	
3	0761620	1	Bolt M16 x 60	
4	0772018	4	Bolt M20 x 50 Grade 10.9	
6	3291602	1	Nut M16	
7	5241600	1	Washer M16	
8	5242000	4	Washer M20	
9	1001134543	1	Sleeve, Spacer	
10	4071009	1	Shim	
11	1001228487	1	Swing Hub/Motor Assembly (See Separate Breakdown in this Section)	

FIGURE 2-7. SWING DRIVE MOTOR/HUB ASSEMBLY



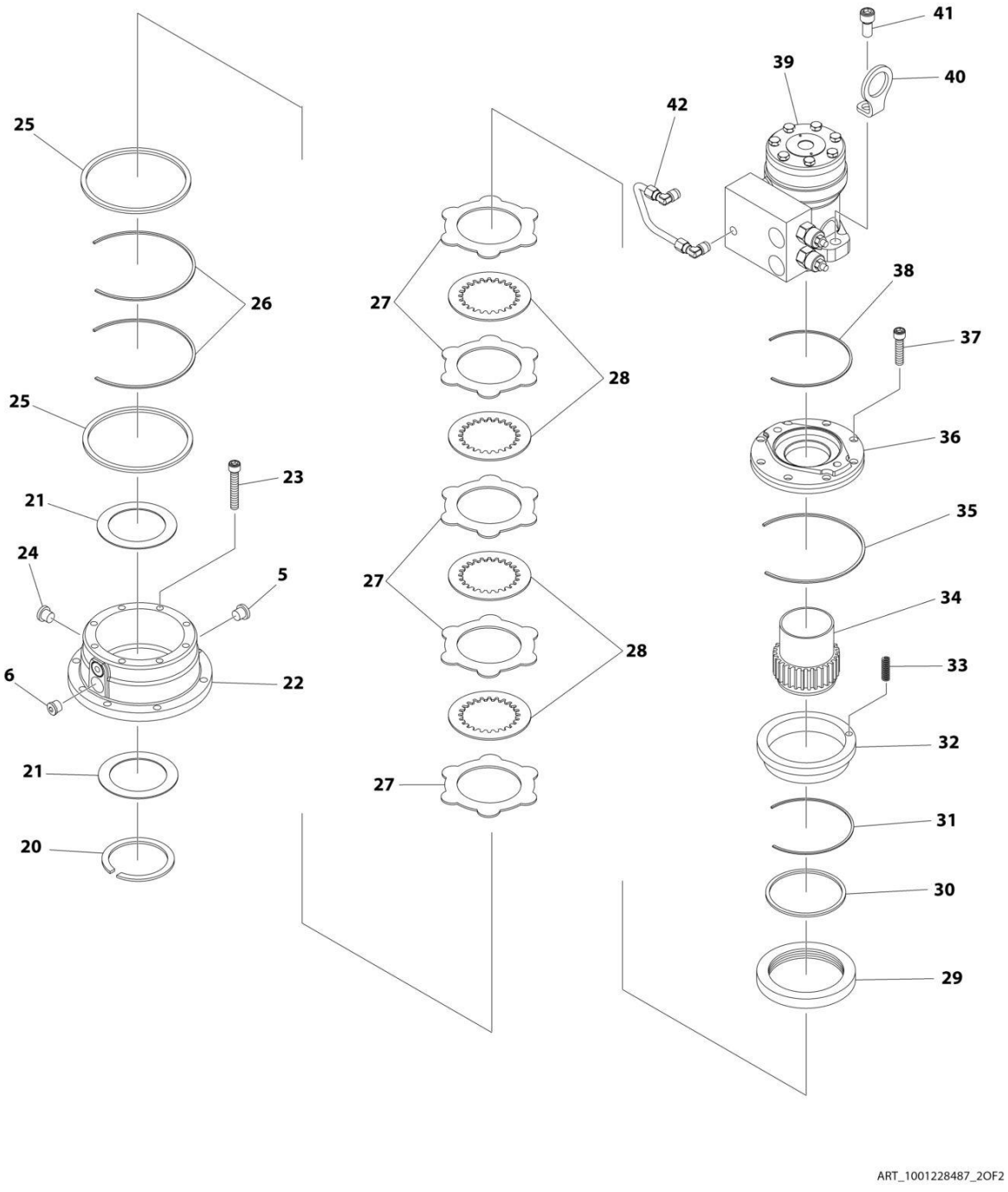

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FIGURE 2-7. SWING DRIVE MOTOR/HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228487	Ref	SWING HUB/MOTOR ASSEMBLY	C
1	70007022	1	Output Shaft	
2	70007023	1	Ring	
3		Ref	Oil Seal	
4	70007024	1	Tapered Roller Bearing	
5	70004469	2	Magnetic Plug with O-Ring	
6	70002057	4	Plug with O-Ring	
7	NSS	1	Output Support	
8	70007025	2	Spring Pin	
9	70007026	1	Tapered Roller Bearing	
10	70007027	1	Ring Nut	
11		Ref	O-Ring	
12	70006990	1	Planetary Ring	
13	70007028	1	Complete Reduction	
14	70007029	1	Pinion	
15	70007030	1	Seeger	
16	70006994	1	Spacer	
17	70004481	1	Planetary Ring	
18	70004482	1	Complete Reduction	
19	70007031	1	Pinion	
20	70006997	1	Ring	
21	70006998	2	Washer	
22	NSS	1	Brake Housing	
23	70007032	8	Screw	
24	70006999	1	Level Oil Plug	
25		Ref	Parbak	
26		Ref	O-Ring	
27		Ref	Iron Disc	
28		Ref	Sintered Disc	
29	70005317	1	Brake Spacer	
30		Ref	Parbak	
31		Ref	O-Ring	
32	70005318	1	Brake Piston	
33		Ref	Brake Spring	
34	70007001	1	Input Shaft	
35		Ref	O-Ring	
36	70007002	1	Cover	
37	70007003	8	Screw	
38		Ref	O-Ring	
39		Ref	Motor with Valve	
40	NSS	2	Vertical Lift Support	
41	70004494	2	Screw	
42	70007004	1	Brake/Valve Adapter	
43	70007046	1	Seal Kit	
44	70007006	1	Kit, Brake Repair	

FIGURE 2-8. TURNTABLE BEARING INSTALLATION

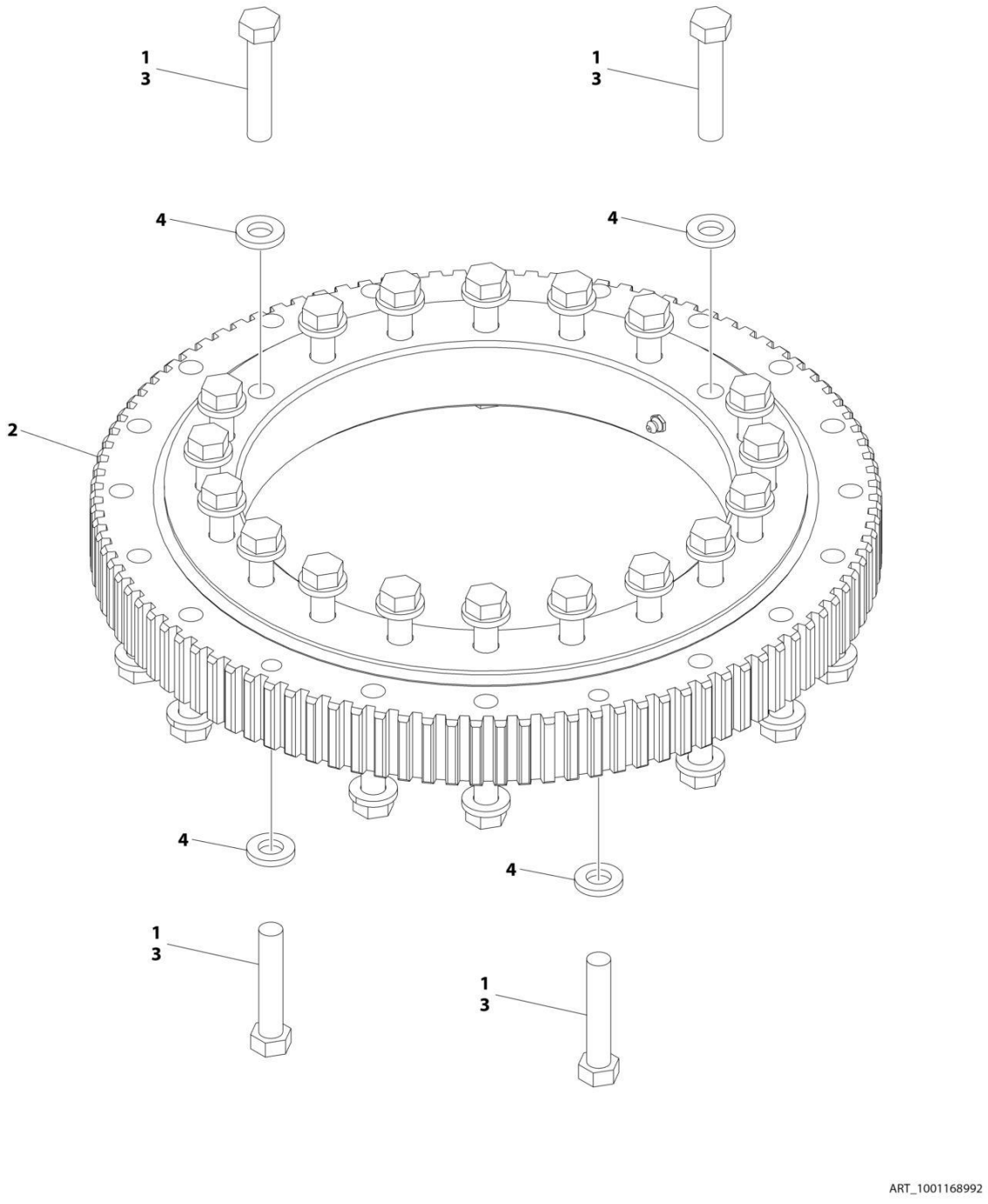


FIGURE 2-8. TURNTABLE BEARING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168992	Ref	TURNTABLE BEARING INSTALLATION	A
1	0100019	AR	Compound, Locking	
2	0440240	1	Bearing, Turntable	
3	0682026	40	Bolt 5/8 x 3-1/4 Grade 8	
4	4892000	40	Washer 5/8	

FIGURE 2-9. BEARING LUBE INSTALLATION

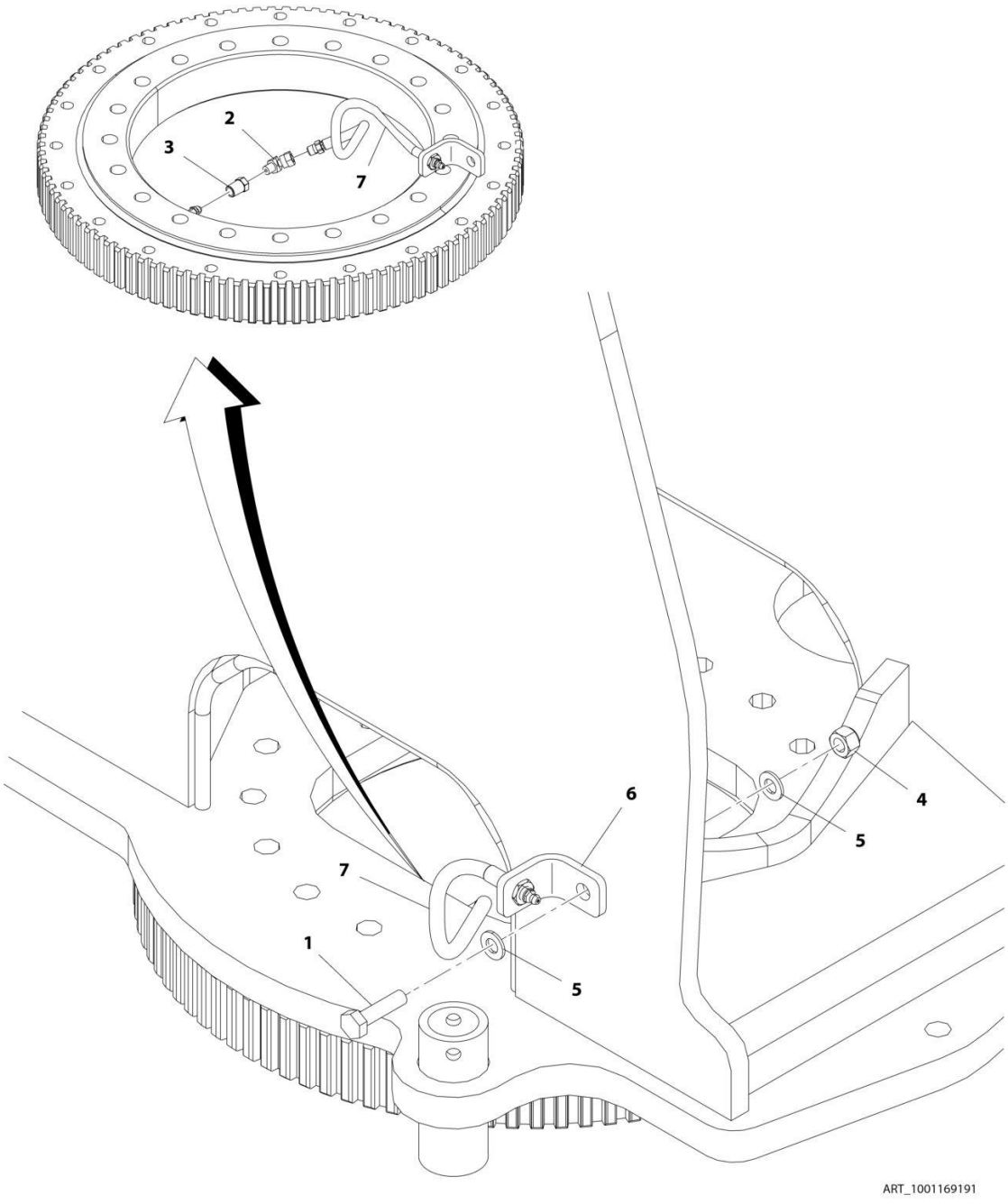


FIGURE 2-9. BEARING LUBE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169191	Ref	BEARING LUBE INSTALLATION	A
1	0761016	1	Bolt M10 x 40	
2	2220124	1	Fitting, 45 1/8NPT	
3	2220273	1	Fitting, Straight FNPTF/NPTF	
4	3291005	1	Nut M10	
5	4812000	2	Washer M10	
6	1001169192	1	Mount, Bulkhead	
7	1001169193	1	Hose	

FIGURE 2-10. TURNTABLE LOCK INSTALLATION

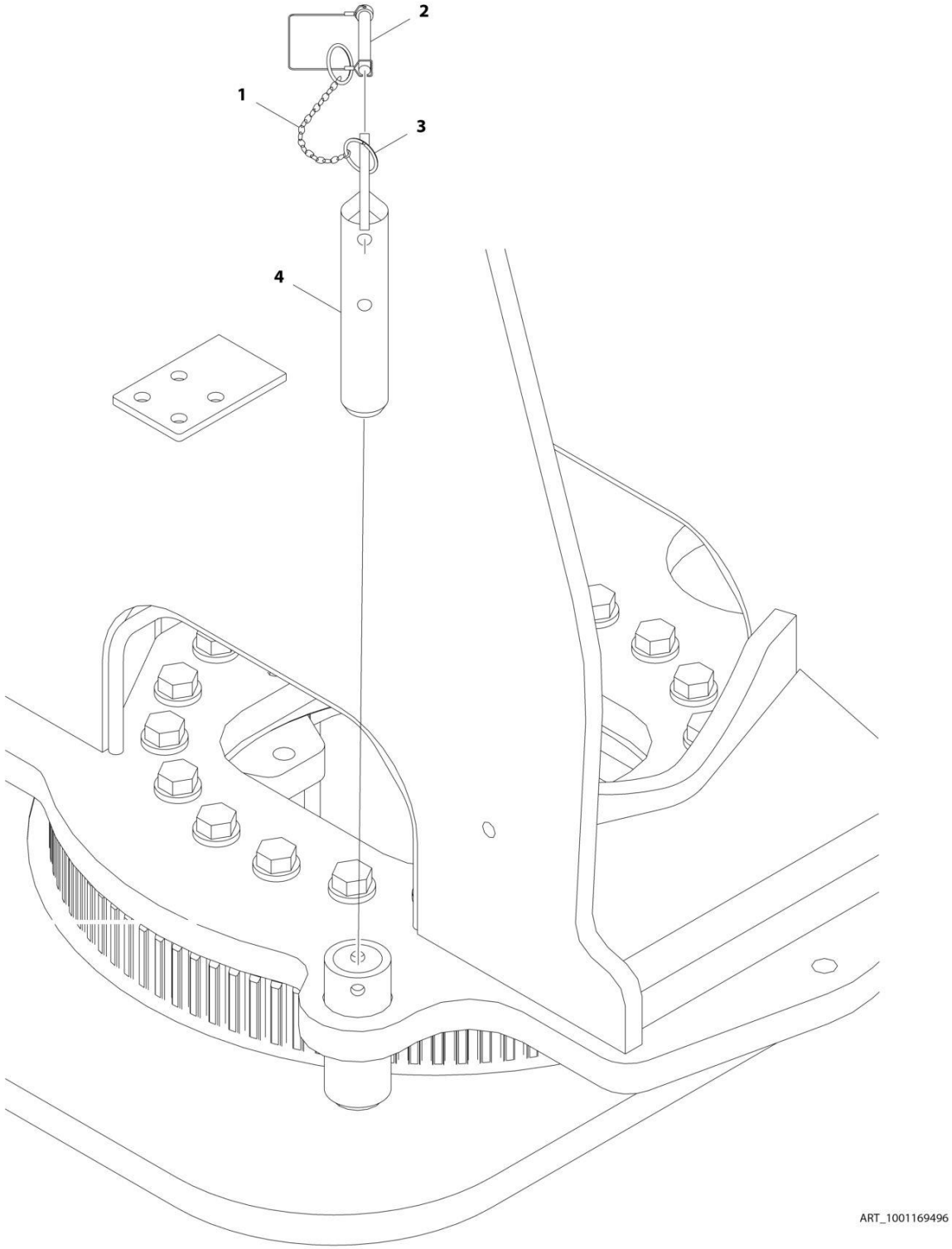


FIGURE 2-10. TURNTABLE LOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169496	Ref	TURNTABLE LOCK INSTALLATION	B
1	1260017	1	Chain	
2	3421565	1	Pin, Snap	
3	3760170	2	Ring, Split	
4	1001169582	1	Pin	

FIGURE 2-11. ROTARY COUPLING INSTALLATION

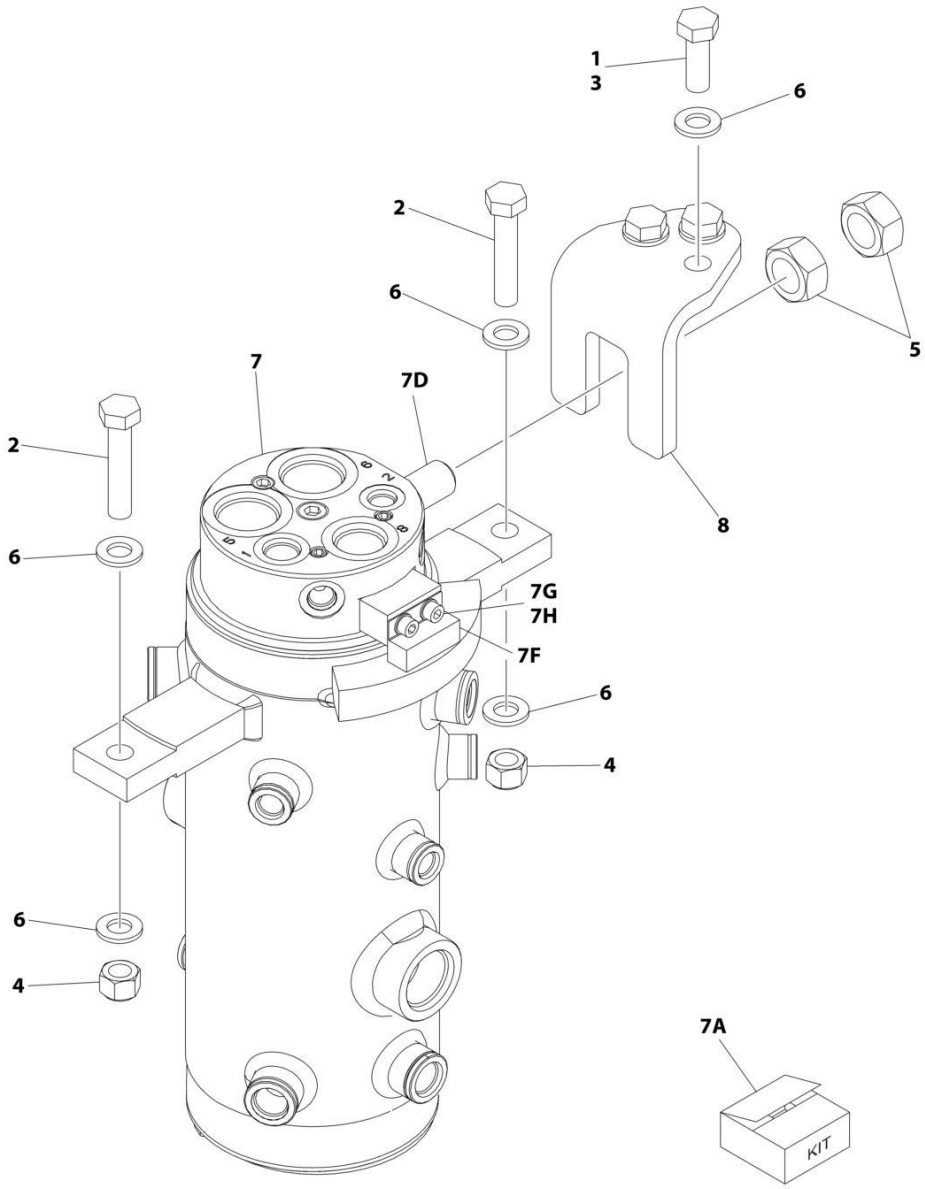


FIGURE 2-11. ROTARY COUPLING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168855	Ref	ROTARY COUPLING INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0701220	2	Bolt M12 x 60	
3	0761215	3	Bolt M12 x 35	
4	3291201	2	Nut M12	
5	3292001	2	Nut M20	
6	4812100	7	Washer M12	
7	1001188334	1	Rotary Coupling Assembly	
7A	70005716	1	Seal Kit - 1001188334 Coupling	
7B	70005710	1	Spacer (Not Shown)	
7C	70005711	1	Spacer (Not Shown)	
7D	70005712	1	Threaded Spigot	
7E	70005713	1	Circlip (Not Shown)	
7F	4360517	1	Switch, Proximity	
7G	70005714	1	Bolt	
7H	70005715	1	Washer	
8	1001169185	1	Mount	
9	2220238	1	Fitting, Plug ORB (Not Shown)	

FIGURE 2-12. TANK INSTALLATION - DIESEL ENGINES

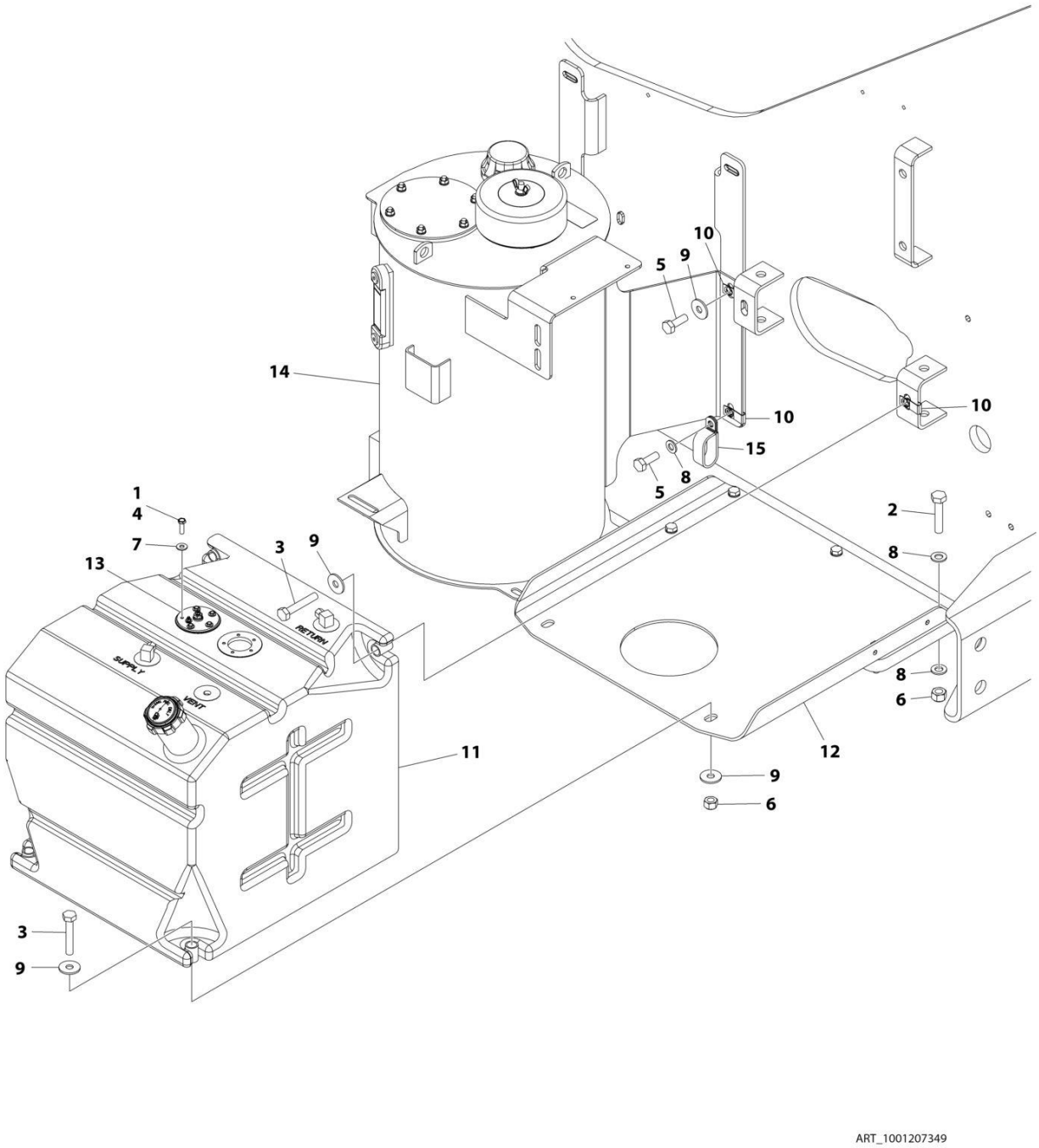


FIGURE 2-12. TANK INSTALLATION - DIESEL ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207349	Ref	TANKS INSTALLATION - DIESEL MACHINES	C
1	0100035	AR	Compound, Locking	
2	0701018	5	Bolt M10 x 50	
3	0701020	4	Bolt M10 x 60	
4	0731005	5	Screw #10 x .625	
5	0761014	4	Bolt M10 x 30	
6	3291005	7	Nut M10	
7	4751000	5	Washer #10	
8	4812000	12	Washer M10	
9	4812002	8	Washer M10	
10	1001118972	6	Nut M10	
11	1001163418	1	Tank, Fuel	
11	1001193336	1	Cap, Fill with Chain and Stop Spring	
11	70004794	1	Tube, Pick-up	
12	1001166710	1	Plate	
13	1001231195	1	Sensor, Fuel Level	
14	1001206917	1	Tank, Hydraulic (See Separate Breakdown in this Section)	
15	1321716	2	Clamp	

FIGURE 2-13. TANK INSTALLATION - GAS ENGINES

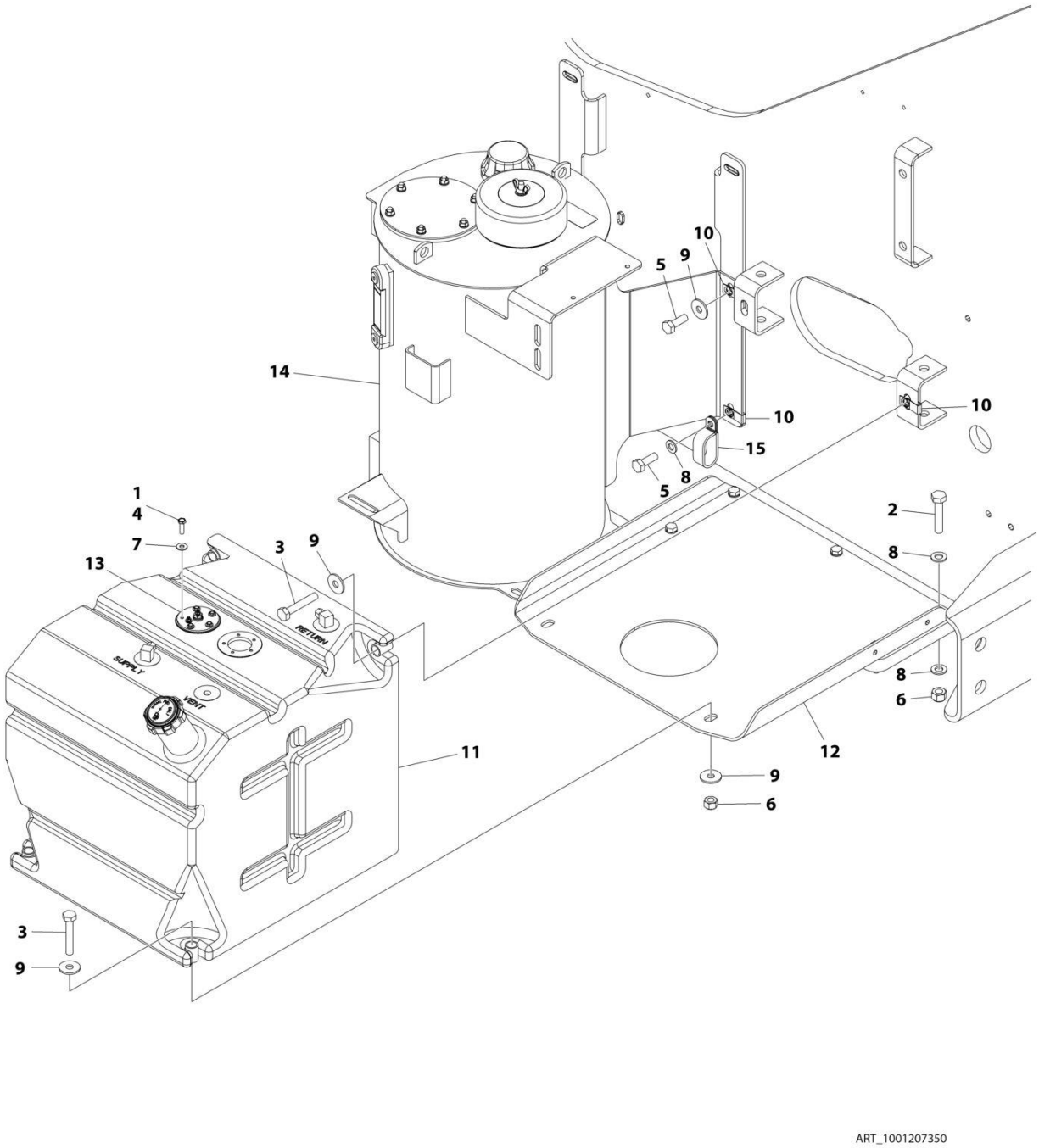


FIGURE 2-13. TANK INSTALLATION - GAS ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207350	Ref	TANKS INSTALLATION - GAS MACHINES	D
1	0100035	AR	Compound, Locking	
2	0701018	5	Bolt M10 x 50	
3	0701020	4	Bolt M10 x 60	
4	0731005	5	Screw #10 x 5/8	
5	0761014	4	Bolt M10 x 30	
6	3291005	7	Nut M10	
7	4751000	5	Washer #10	
8	4812000	12	Washer M10	
9	4812002	8	Washer M10	
10	1001118972	6	Nut M10	
11	1001163671	1	Tank, Fuel	
11	1001211336	1	Cap, Fill with Lanyard and Stop	
11	70004794	2	Tube, Pick up	
12	1001166710	1	Plate	
13	1001231195	1	Sensor, Fuel Level	
14	1001206917	1	Tank, Hydraulic (See Separate Breakdown in this Section)	
15	1321716	2	Clamp	

FIGURE 2-14. HYDRAULIC TANK ASSEMBLY

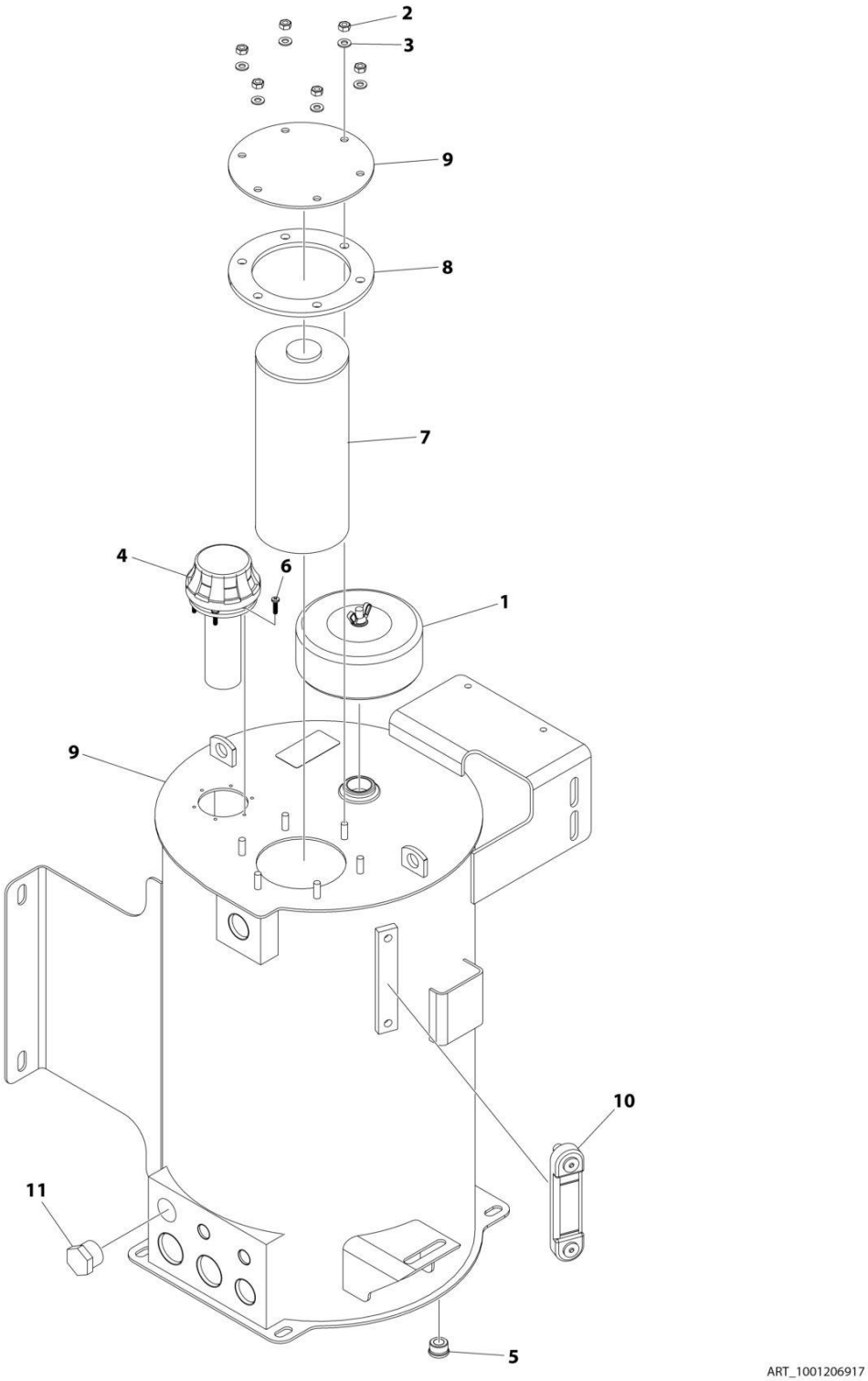


FIGURE 2-14. HYDRAULIC TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206917	Ref	HYDRAULIC TANK ASSEMBLY	A
1	See Note	NSS	Breather Assembly (Note: Use p/n 70003614)	
2	3311501	6	Nut 5/16	
3	4751400	6	Washer 1/4	
4	70002838	1	Cap, Fill	
5	70002112	1	Plug	
6	See Note	NSS	Screw #10 x 3/4 (Note: Not Available for purchase)	
7	See Note	NSS	Element, Filter (Note: Use p/n 70003614)	
8	1001199177	1	Gasket	
9	See Note	NSS	Reservoir (Note: Not Available for purchase)	
10	7024441	1	Gauge, Level	
11	2220887	1	Plug	

FIGURE 2-15. AUXILIARY POWER INSTALLATION - WITHOUT BATTERY DISCONNECT

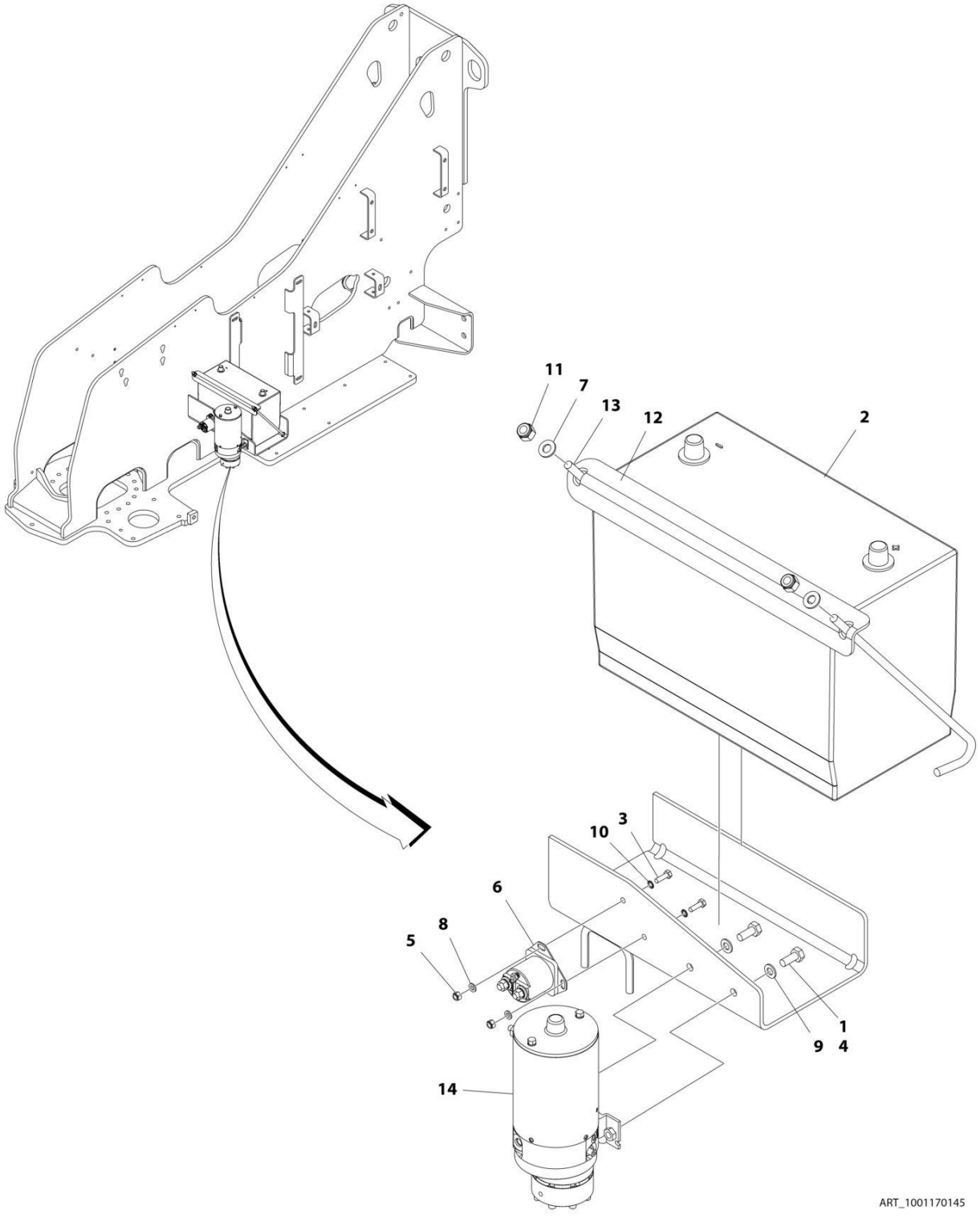


FIGURE 2-15. AUXILIARY POWER INSTALLATION - WITHOUT BATTERY DISCONNECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170145	Ref	AUXILIARY PUMP AND BATTERY INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0760610	2	Bolt M6 x 20	
4	0761012	2	Bolt M10 x 25	
5	3290605	2	Nut M6	
6	3740067	1	Relay	
6	3300220	2	Nut 3/8	
6	3321001	1	Nut #10	
6	4761000	1	Washer #10	
6	1001111424	2	Washer 3/8	
7	4711500	2	Washer 5/16	
8	4811700	2	Washer M6	
9	4812000	2	Washer M10	
10	4871700	2	Washer M6	
11	88521205	2	Nut 5/16	
12	91401281	1	Bracket	
13	1001093382	2	J-Bolt	
14	1001185821	1	Auxiliary Pump Assembly (See Separate Breakdown in this Section)	

FIGURE 2-16. AUXILIARY POWER INSTALLATION - WITH BATTERY DISCONNECT

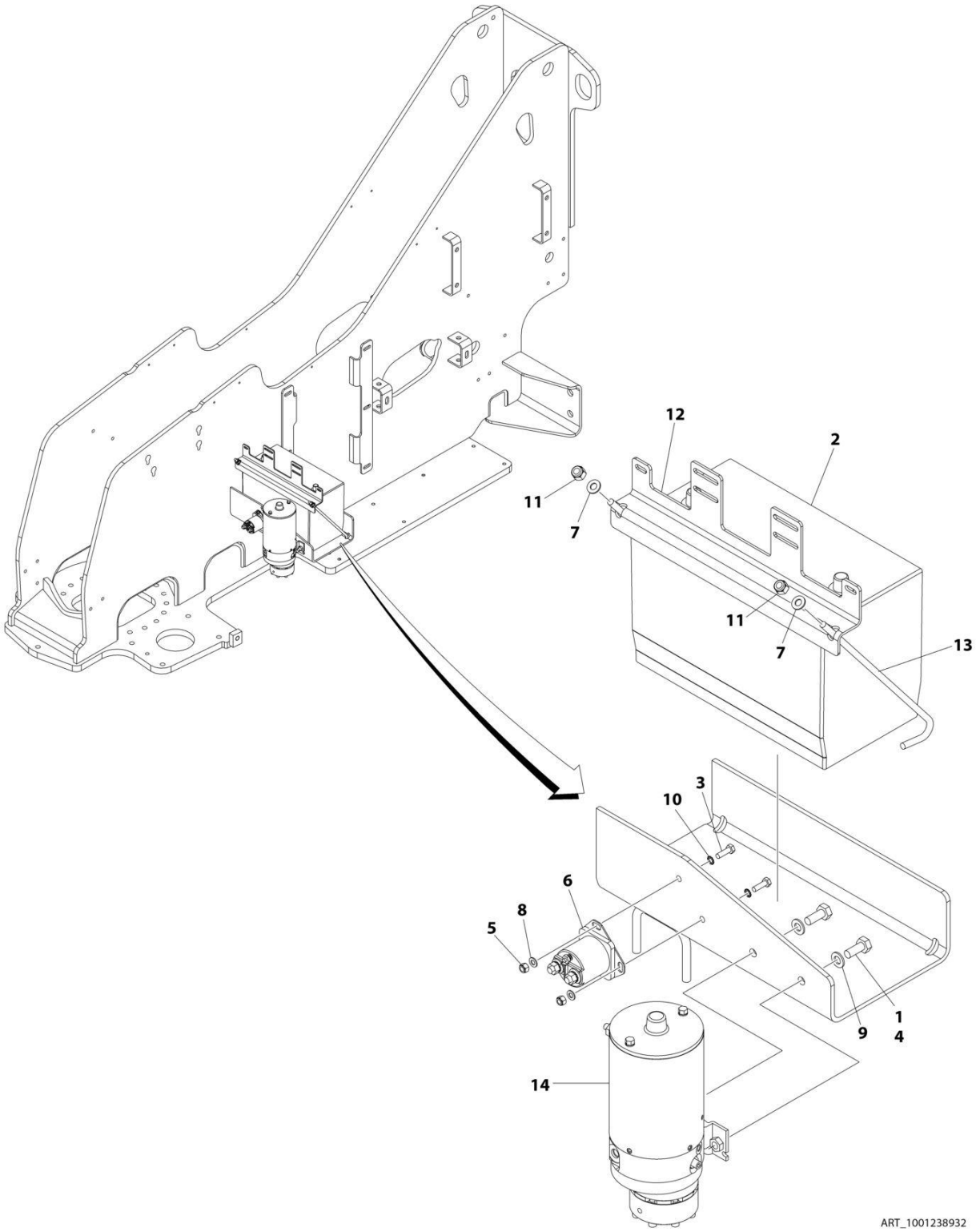


FIGURE 2-16. AUXILIARY POWER INSTALLATION - WITH BATTERY DISCONNECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238932	Ref	AUXILIARY PUMP AND BATTERY INSTALLATION WITH DISCONNECT	A
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0760610	2	Bolt M6 x 20	
4	0761012	2	Bolt M10 x 25	
5	3290605	2	Nut M6	
6	3740067	1	Relay	
6	3300220	2	Nut 3/8	
6	3321001	1	Nut #10	
6	4761000	1	Washer #10	
6	1001111424	2	Washer 3/8	
7	4711500	2	Washer 5/16	
8	4811700	2	Washer M6	
9	4812000	2	Washer M10	
10	4871700	2	Washer M6	
11	88521205	2	Nut 5/16	
12	1001236303	1	Bracket	
13	1001093382	2	J-Bolt	
14	1001185821	1	Auxiliary Pump Assembly (See Separate Breakdown in this Section)	

FIGURE 2-17. AUXILIARY POWER PUMP/MOTOR ASSEMBLY

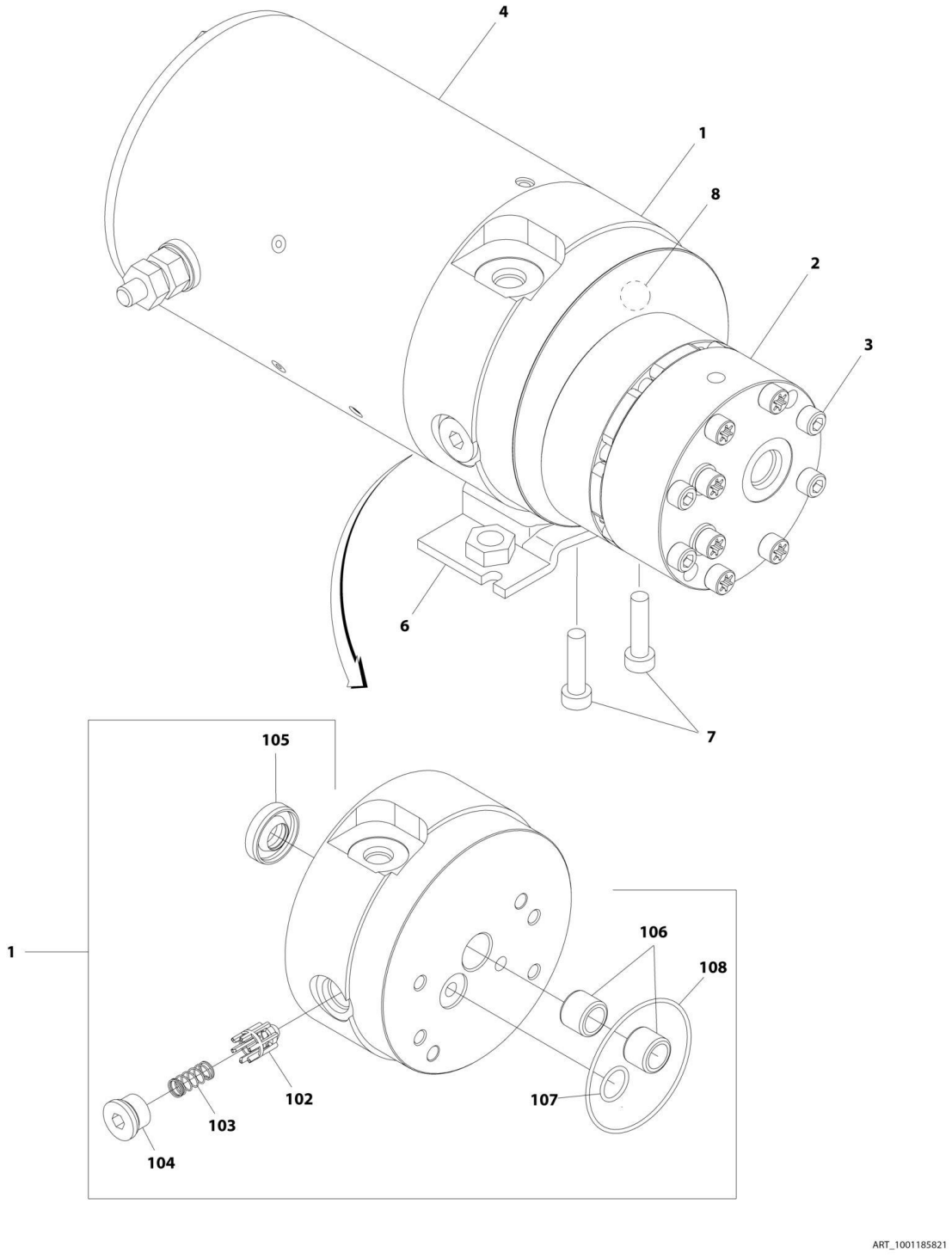


FIGURE 2-17. AUXILIARY POWER PUMP/MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185821	Ref	AUXILIARY PUMP ASSEMBLY	B
1	70005065	1	Base Assembly (See Items 102-108 for Breakdown)	
2	70005066	1	Pump Assembly (Note: No Seal Kit or Internal Components are Available - Purchase Complete Pump Assembly)	
3	70005067	4	Capscrew 1/4 x 2-3/4	
4	70004013	1	Motor Assembly (Note: No Internal Components are Available - Purchase Complete Motor Assembly)	
6	70004014	1	Bracket	
7	70004000	2	Capscrew 3/8 x 1	
8	70005068	1	Relief Valve Assembly	
	70005065	Ref	BASE ASSEMBLY	
102	See Note	NSS	Poppet, Check (Note: Use p/n 70005065)	
103	See Note	NSS	Spring (Note: Use p/n 70005065)	
104	See Note	NSS	Plug (Note: Use p/n 70005065)	
105	7026330	1	Seal, Shaft	
106	70005139	2	Bearing	
107	70003612	1	O-Ring	
108	70004267	1	O-Ring	

FIGURE 2-18. ELECTRICAL INSTALLATION (400S HC3) (Prior to SN 0300271832, Prior to SN E300007713)

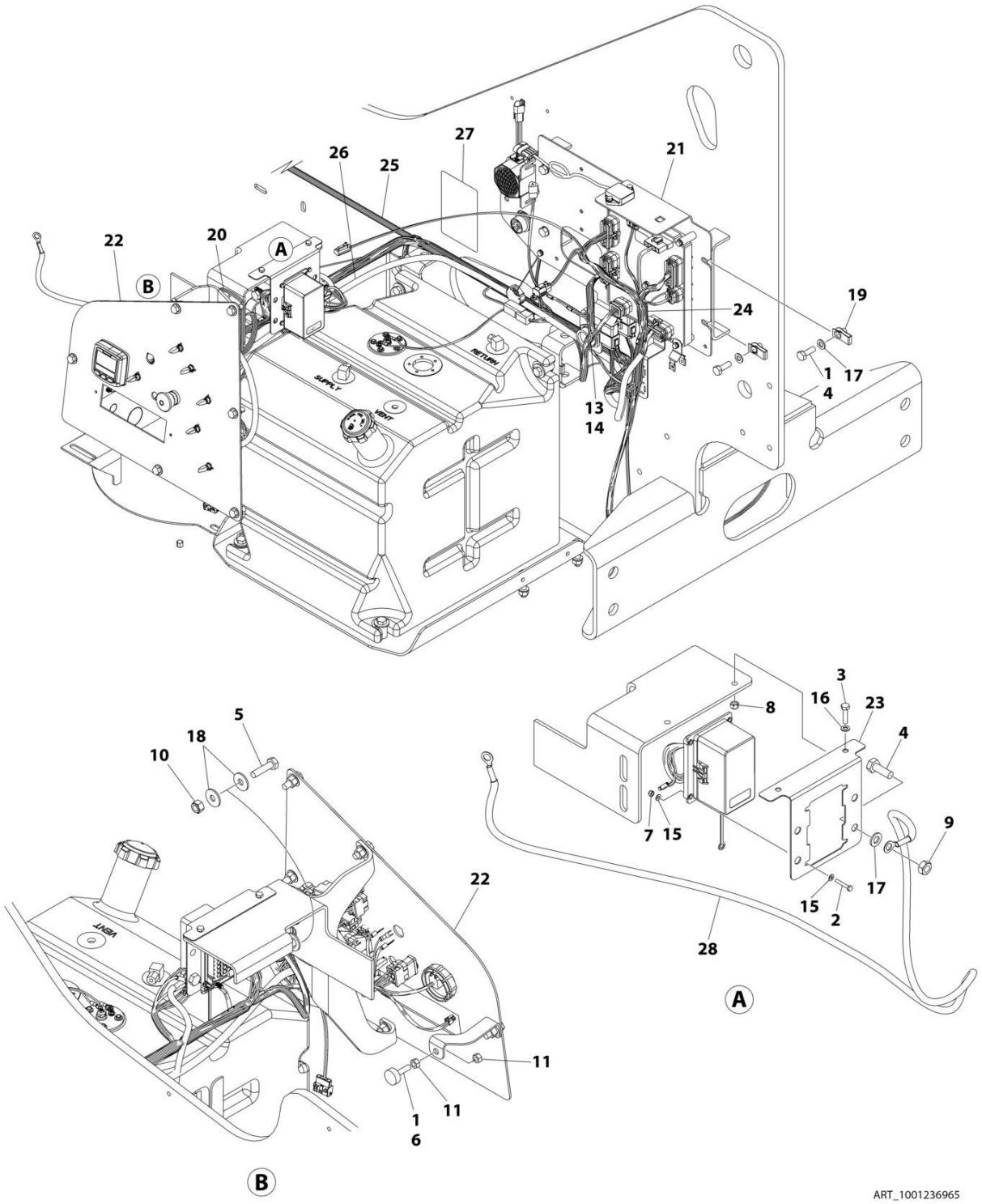


FIGURE 2-18. ELECTRICAL INSTALLATION (400S HC3) (Prior to SN 0300271832, Prior to SN E300007713)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236965	Ref	ELECTRICAL INSTALLATION - 400S	C
1	0100011	AR	Compound, Locking	
2	0700412	4	Bolt M4 x 25	
3	0760612	2	Bolt M6 x 25	
4	0761014	4	Bolt M10 x 30	
5	0761016	2	Bolt M10 x 40	
6	0940049	1	Stopper, Hood	
7	3290405	4	Nut M4	
8	3290605	2	Nut M6	
9	3291001	1	Nut M10	
10	3291005	2	Nut M10	
11	3311501	2	Nut 5/16	
12	4240099	AR	Tie-Strap (Not Shown)	
13	4460470	1	Nut, Terminal	
14	4460471	1	Washer, Terminal	
15	4811400	8	Washer M4	
16	4811700	4	Washer M6	
17	4812000	6	Washer M10	
18	4812002	4	Washer M10	
19	1001118972	4	Nut M10	
20	1001150324	AR	Shim 3	
21	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
22	1001239294	1	Ground Control Assembly (See Separate Breakdown in this Section)	
23	1001237822	1	Plate	
24	1001237849	1	Turntable Harness (See Separate Breakdown in ELECTRICAL SECTION)	
25	1001238160	1	Valve Harness (See Separate Breakdown in ELECTRICAL SECTION)	
26	1001238161	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
27	1001239512	1	Decal - Fuse Box	
28	1001250681	1	Battery Cable (Negative)	

FIGURE 2-19. ELECTRICAL INSTALLATION (400S HC3) (SN 0300271832 to Present, SN E300007713 to Present)

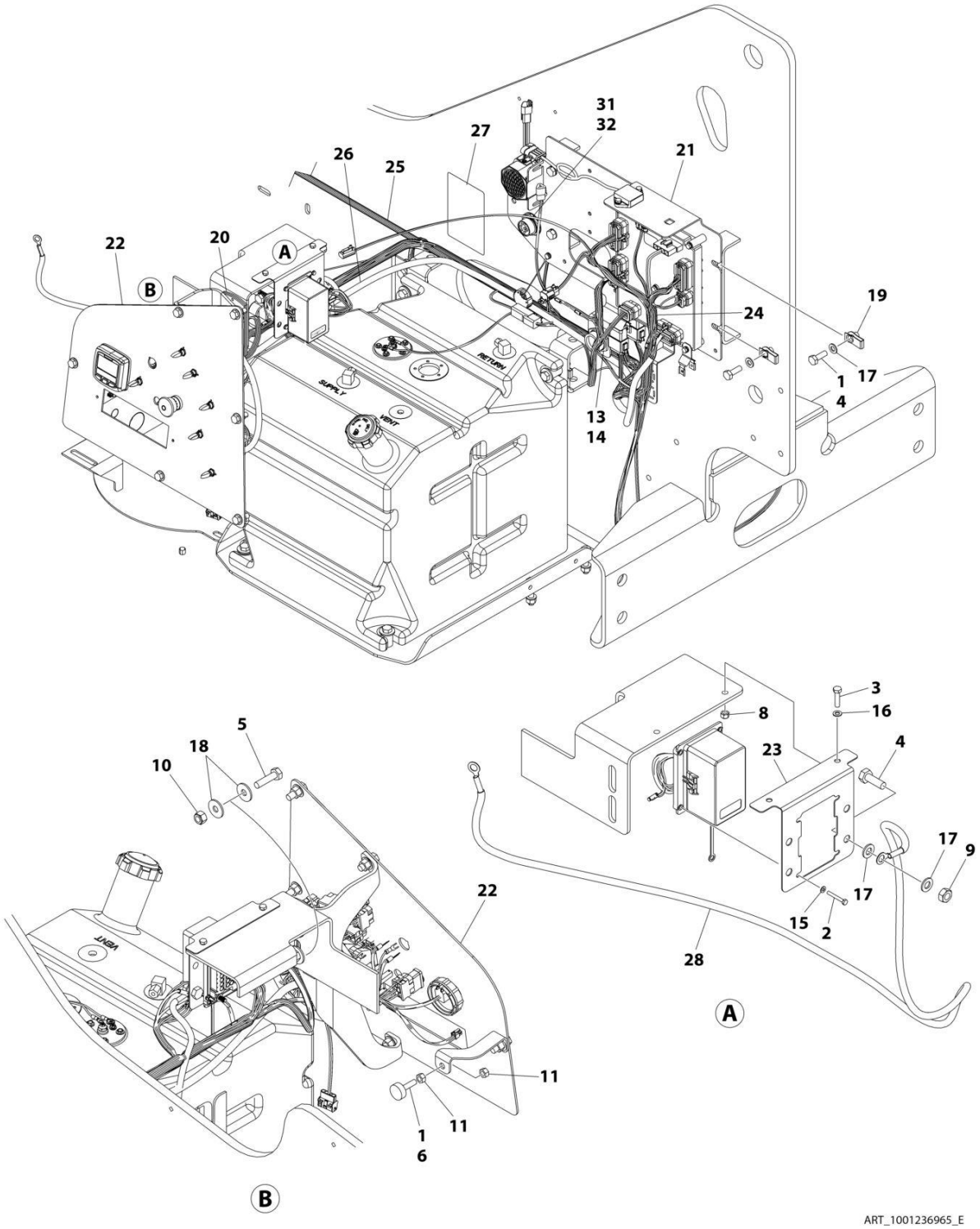


FIGURE 2-19. ELECTRICAL INSTALLATION (400S HC3) (SN 0300271832 to Present, SN E300007713 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236965	Ref	ELECTRICAL INSTALLATION - 400S	E
1	0100011	AR	Compound, Locking	
2	0731005	4	Bolt #10 x .625	
3	0760612	2	Bolt M6 x 25	
4	0761014	5	Bolt M10 x 30	
5	0761016	2	Bolt M10 x 40	
6	0940049	1	Stopper, Hood	
8	3290605	2	Nut M6	
9	3291001	1	Nut M10	
10	3291005	2	Nut M10	
11	3311501	2	Nut 5/16	
12	4240099	AR	Tie-Strap (Not Shown)	
13	4460470	1	Nut, Terminal	
14	4460471	1	Washer, Terminal	
15	4711000	4	Washer #10	
16	4811700	4	Washer M6	
17	4812000	6	Washer M10	
18	4812002	4	Washer M10	
19	1001118972	4	Nut M10	
20	1001150324	AR	Shim 3	
21	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
22	1001239294	1	Ground Control Assembly (See Separate Breakdown in this Section)	
23	1001237822	1	Plate	
24	1001237849	1	Turntable Harness (See Separate Breakdown in ELECTRICAL SECTION)	
25	1001238160	1	Valve Harness (See Separate Breakdown in ELECTRICAL SECTION)	
26	1001238161	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
27	1001239512	1	Decal - Fuse Box	
28	1001250681	1	Battery Cable (Negative)	
29	4460466	8	Seal, Terminal (Not Shown)	
30	4460931	1	Connector - 8 Position (Not Shown)	
31	4460496	1	Washer, Lock	
32	4460497	1	Nut	

FIGURE 2-20. ELECTRICAL INSTALLATION (460SJ HC3) (Prior to SN 0300271832, Prior to SN E300007713)

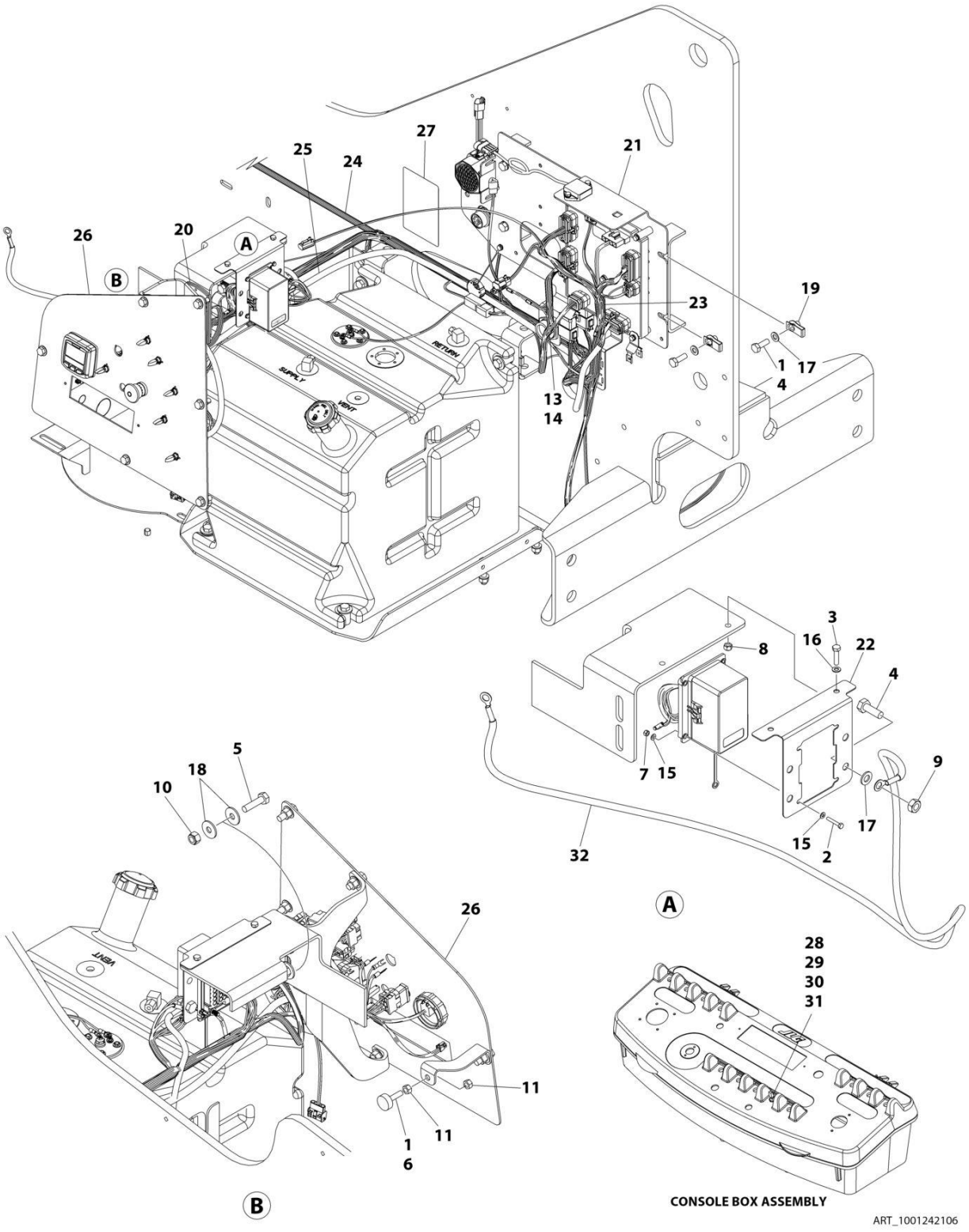


FIGURE 2-20. ELECTRICAL INSTALLATION (460SJ HC3) (Prior to SN 0300271832, Prior to SN E300007713)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242106	Ref	ELECTRICAL INSTALLATION - 460SJ	C
1	0100011	AR	Compound, Locking	
2	0700412	4	Bolt M4 x 25	
3	0760612	2	Bolt M6 x 25	
4	0761014	5	Bolt M10 x 30	
5	0761016	2	Bolt M10 x 40	
6	0940049	1	Stopper, Hood	
7	3290405	4	Nut M4	
8	3290605	2	Nut M6	
9	3291001	1	Nut M10	
10	3291005	2	Nut M10	
11	3311501	2	Nut 5/16	
12	4240099	AR	Tie-Strap (Not Shown)	
13	4460470	1	Nut, Terminal	
14	4460471	1	Washer, Terminal	
15	4811400	8	Washer M4	
16	4811700	4	Washer M6	
17	4812000	6	Washer M10	
18	4812002	4	Washer M10	
19	1001118972	4	Nut M10	
20	1001150324	AR	Shim 3	
21	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
22	1001237822	1	Plate	
23	1001237849	1	Turntable Harness (See Separate Breakdown in ELECTRICAL SECTION)	
24	1001238160	1	Valve Harness (See Separate Breakdown in ELECTRICAL SECTION)	
25	1001238161	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
26	1001239293	1	Ground Control Assembly (See Separate Breakdown in this Section)	
27	1001239512	1	Decal - Fuse Box	
28	3790012	1	O-Ring	
29	4360328	1	Switch, Toggle	
30	4740397	1	Spacer	
31	1001155044	1	Nut 15/32	
32	1001250681	1	Battery Cable (Negative)	

FIGURE 2-21. ELECTRICAL INSTALLATION (460SJ HC3) (SN 0300271832 to Present, SN E300007713 to Present)

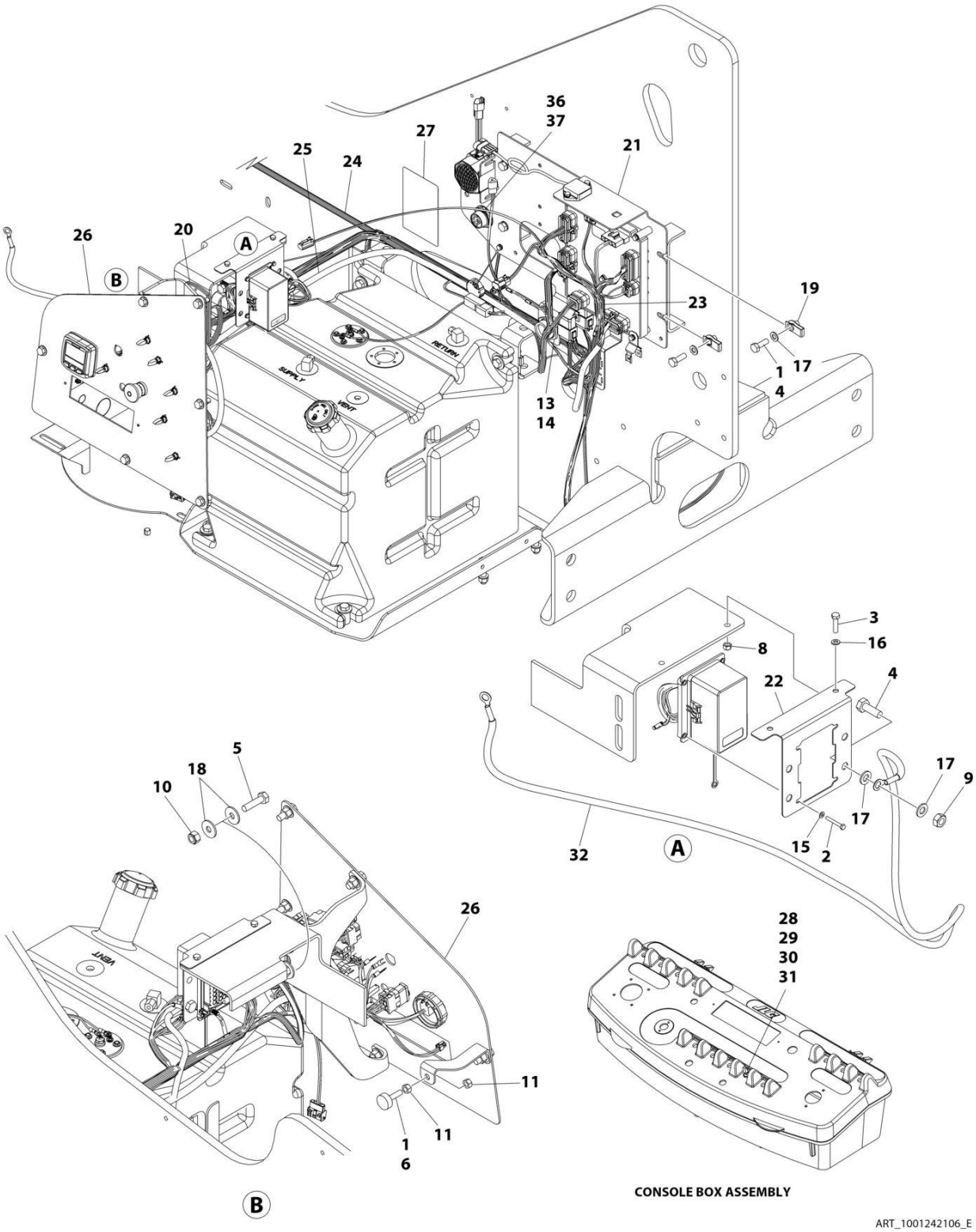


FIGURE 2-21. ELECTRICAL INSTALLATION (460SJ HC3) (SN 0300271832 to Present, SN E300007713 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242106	Ref	ELECTRICAL INSTALLATION - 460SJ	E
1	0100011	AR	Compound, Locking	
2	0731005	4	Bolt #10 x .625	
3	0760612	2	Bolt M6 x 25	
4	0761014	5	Bolt M10 x 30	
5	0761016	2	Bolt M10 x 40	
6	0940049	1	Stopper, Hood	
8	3290605	2	Nut M6	
9	3291001	1	Nut M10	
10	3291005	2	Nut M10	
11	3311501	2	Nut 5/16	
12	4240099	AR	Tie-Strap (Not Shown)	
13	4460470	1	Nut, Terminal	
14	4460471	1	Washer, Terminal	
15	4711000	4	Washer #10	
16	4811700	4	Washer M6	
17	4812000	6	Washer M10	
18	4812002	4	Washer M10	
19	1001118972	4	Nut M10	
20	1001150324	AR	Shim 3	
21	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
22	1001237822	1	Plate	
23	1001237849	1	Turntable Harness (See Separate Breakdown in ELECTRICAL SECTION)	
24	1001238160	1	Valve Harness (See Separate Breakdown in ELECTRICAL SECTION)	
25	1001238161	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
26	1001239293	1	Ground Control Assembly (See Separate Breakdown in this Section)	
27	1001239512	1	Decal - Fuse Box	
28	3790012	1	O-Ring	
29	4360328	1	Switch, Toggle	
30	4740397	1	Spacer	
31	1001155044	1	Nut 15/32	
32	1001250681	1	Battery Cable (Negative)	
33	4460466	16	Seal, Terminal (Not Shown)	
34	4460930	1	Connector - 8 Position (Not Shown)	
35	4460931	1	Connector - 8 Position (Not Shown)	
36	4460496	1	Washer, Lock	
37	4460497	1	Nut	

FIGURE 2-22. ELECTRICAL INSTALLATION (460SJ HC3 WITH DEUTZ D2.9L4 (STAGE V) ENGINES)

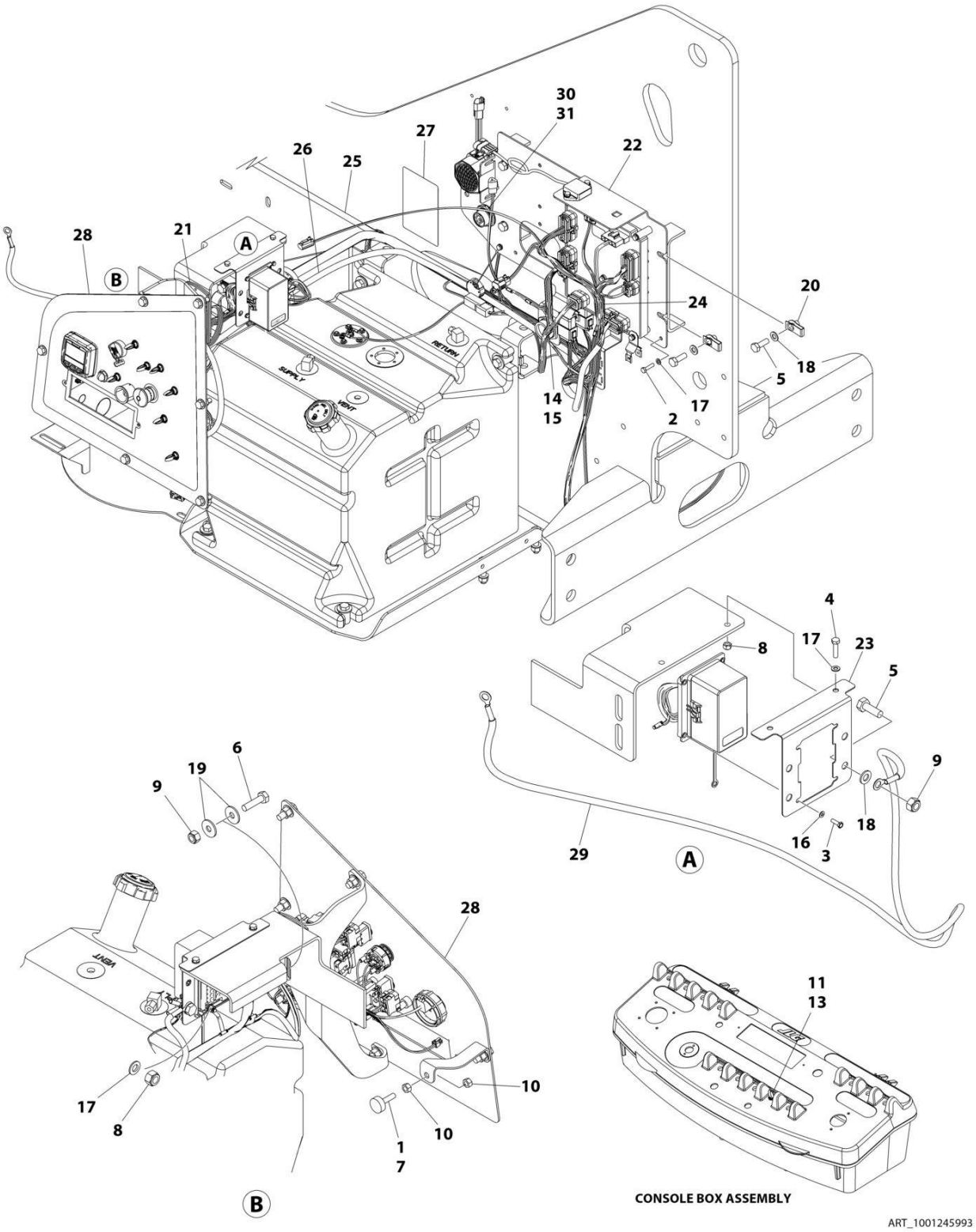


FIGURE 2-22. ELECTRICAL INSTALLATION (460SJ HC3 WITH DEUTZ D2.9L4 (STAGE V) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245993	Ref	ELECTRICAL INSTALLATION - DEUTZ (STAGE V)	B
1	0100011	AR	Compound, Locking	
2	0700612	1	Screw M6 x 25	
3	0731005	4	Screw #10 x 5/8	
4	0760610	2	Bolt M6 x 20	
5	0761014	5	Bolt M10 x 30	
6	0761016	2	Bolt M10 x 40	
7	0940049	1	Stopper, Hood	
8	3290605	4	Nut M6	
9	3291005	3	Nut M10	
10	3311501	2	Nut 5/16	
11	3790012	1	O-Ring	
12	4240099	AR	Tie-Strap (Not Shown)	
13	4360328	1	Switch, Toggle	
14	4460470	1	Nut, Terminal	
15	4460471	1	Washer, Terminal	
16	4711000	4	Washer #10	
17	4711700	7	Washer M6	
18	4812000	5	Washer M10	
19	4812002	4	Washer M10	
20	1001118972	4	Nut M10	
21	1001150324	AR	Shim 3	
22	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
23	1001237822	1	Plate	
24	1001237849	1	Turntable Harness (See Separate Breakdown in ELECTRICAL SECTION)	
25	1001238160	1	Valve Harness (See Separate Breakdown in ELECTRICAL SECTION)	
26	1001238161	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
27	1001239512	1	Decal - Fuse Box	
28	1001245380	1	Electrical Assembly, Ground Control Panel (See Separate Breakdown in this Section)	
29	1001250681	1	Battery Cable (Negative)	
30	4460496	1	Washer	
31	4460497	1	Nut	

FIGURE 2-23. ELECTRICAL PANEL ASSEMBLY

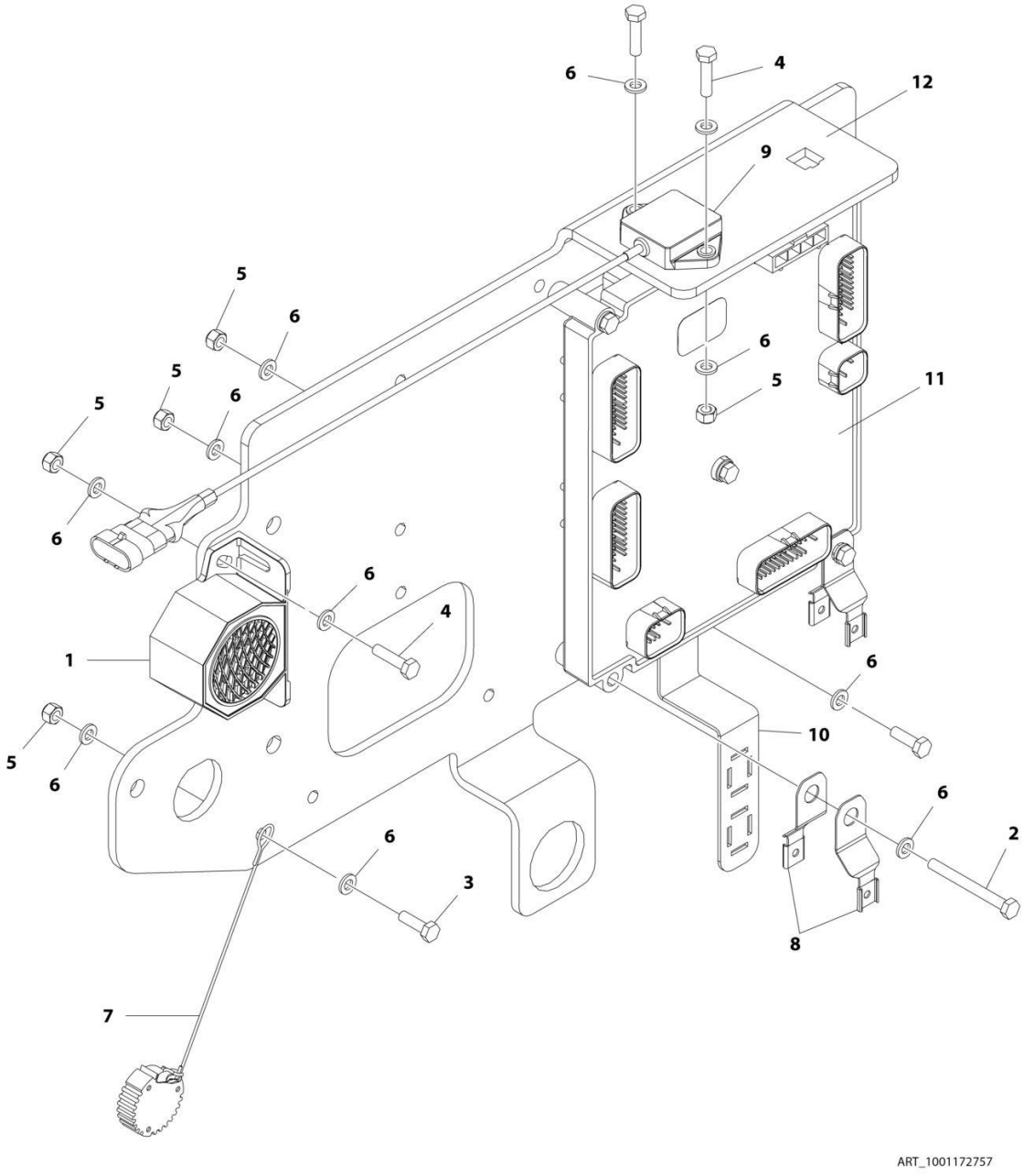


FIGURE 2-23. ELECTRICAL PANEL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172757	Ref	ELECTRICAL PANEL ASSEMBLY	E
1	0140043	1	Alarm	
1	4460536	1	Plug, Male - 3 Position	
1	4460943	3	Terminal	
2	0700620	5	Bolt M6 x 60	
3	0760610	2	Bolt M6 x 20	
4	0760612	4	Bolt M6 x 25	
5	3290605	11	Nut M6	
6	4811700	22	Washer M6	
7	1001106736	1	Cap, Dust	
8	1001120328	4	Clip, Mounting	
9	1001219601	1	Sensor	
10	1001159162	1	Bracket	
11	1001170094	1	Module, Ground Control (Note: Re-calibration Required when Replaced.)	
12	1001215373	1	Plate	

FIGURE 2-24. GROUND CONTROL BOX ASSEMBLY (400S HC3)

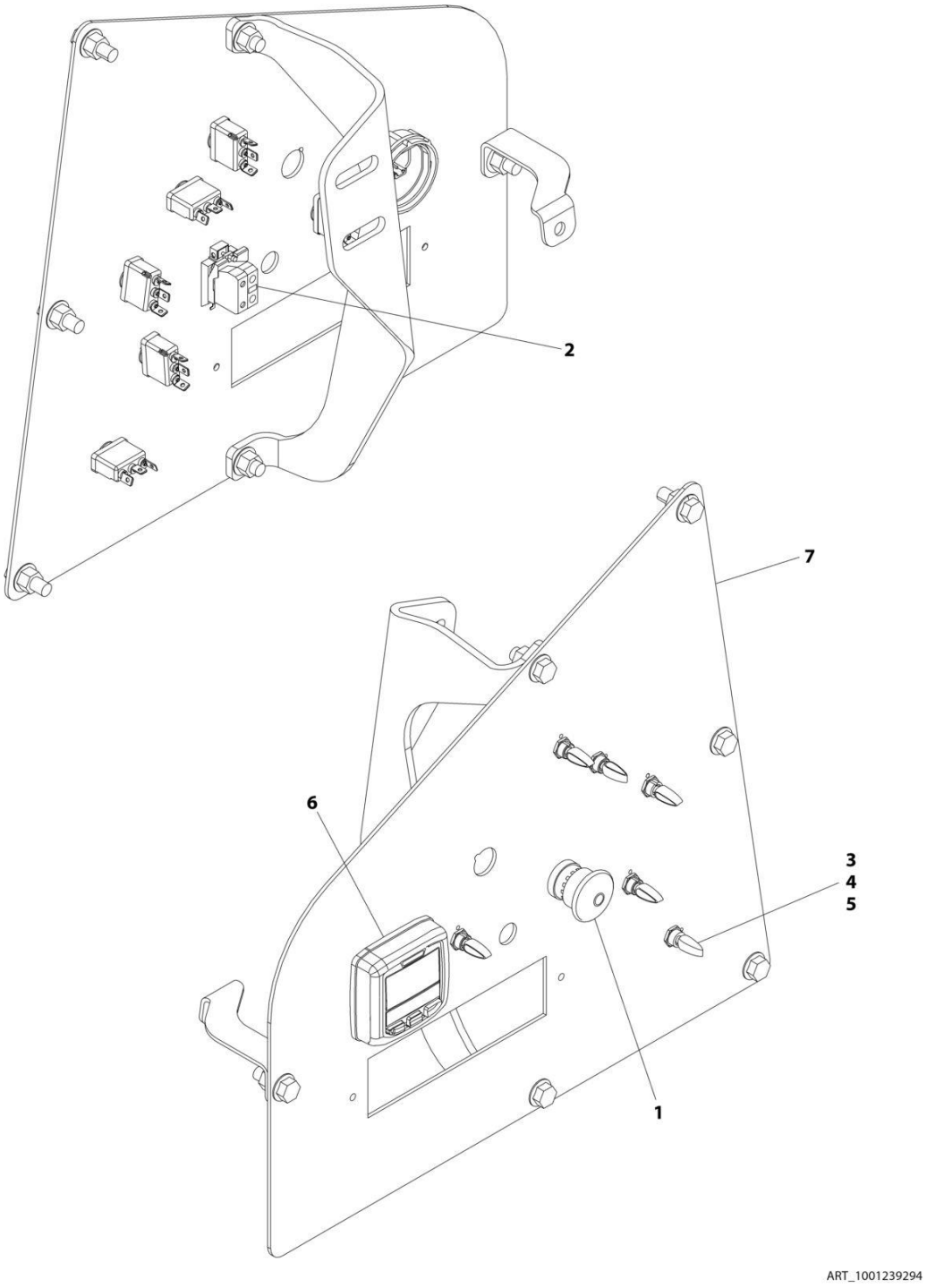


FIGURE 2-24. GROUND CONTROL BOX ASSEMBLY (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239294	Ref	GROUND CONTROL ASSEMBLY - 400S	A
1	4360475	1	Switch, Emergency Stop	
1	7020175	1	Cap	
1	7020176	1	Block, Contact	
2	4360476	1	Block, Contact	
3	1001155043	6	Washer	
4	1001155044	6	Nut 15/32	
5	1001155045	6	Switch, Toggle	
6	1001171482	1	Gauge	
7	1001238887	1	Mount, Ground Control Panel (See Separate Breakdown in this Section)	

FIGURE 2-25. GROUND CONTROL BOX ASSEMBLY (460SJ HC3)

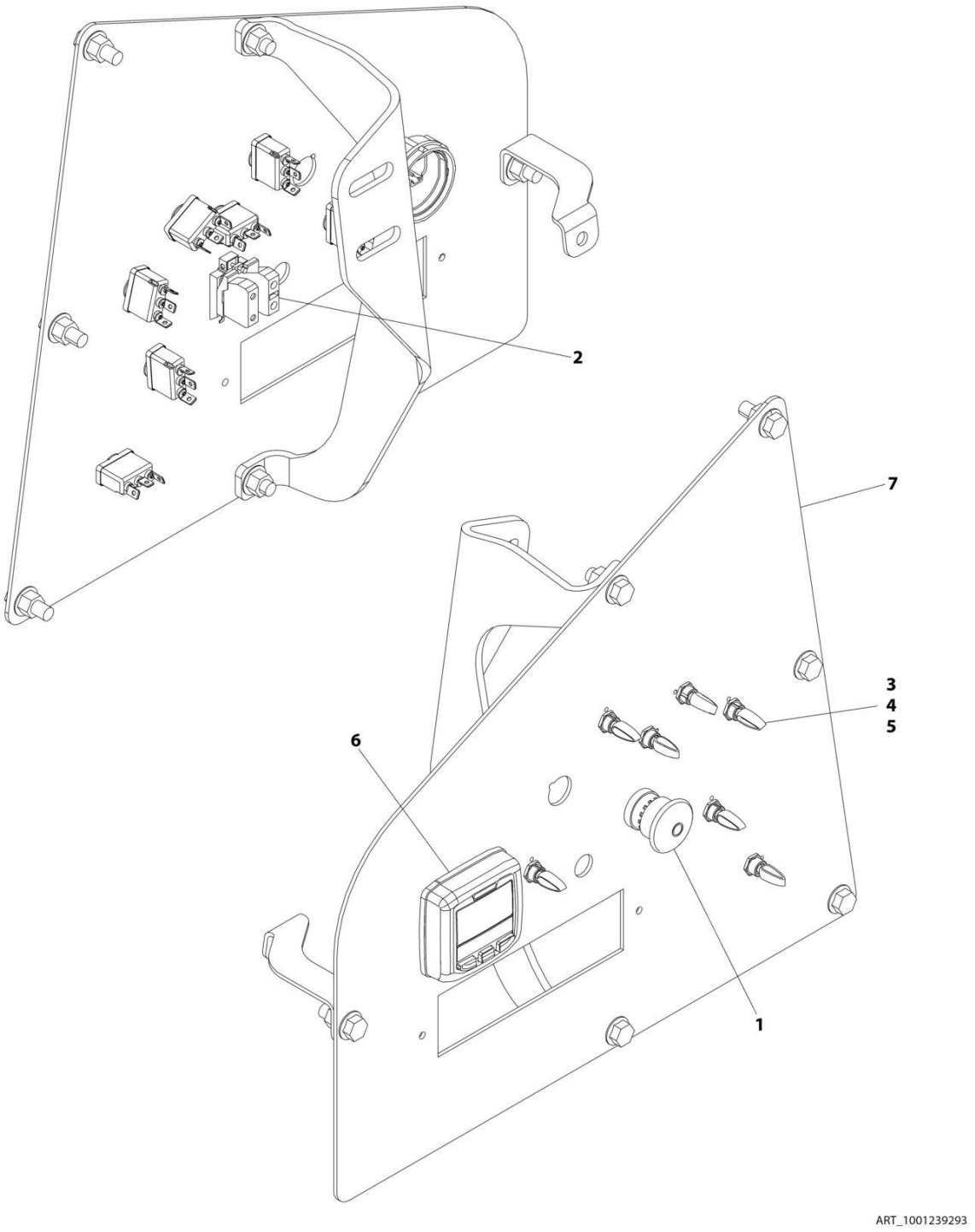


FIGURE 2-25. GROUND CONTROL BOX ASSEMBLY (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239293	Ref	GROUND CONTROL ASSEMBLY - 460SJ	A
1	4360475	1	Switch, Emergency Stop	
1	7020175	1	Cap	
1	7020176	1	Block, Contact	
2	4360476	1	Block, Contact	
3	1001155043	7	Washer	
4	1001155044	7	Nut 15/32	
5	1001155045	7	Switch, Toggle	
6	1001171482	1	Gauge	
7	1001235531	1	Mount, Ground Control Panel (See Separate Breakdown in this Section)	

FIGURE 2-26. GROUND CONTROL BOX ASSEMBLY (460SJ HC3 WITH DEUTZ D2.9L4 (STAGE V) ENGINES) (CE SPECS)

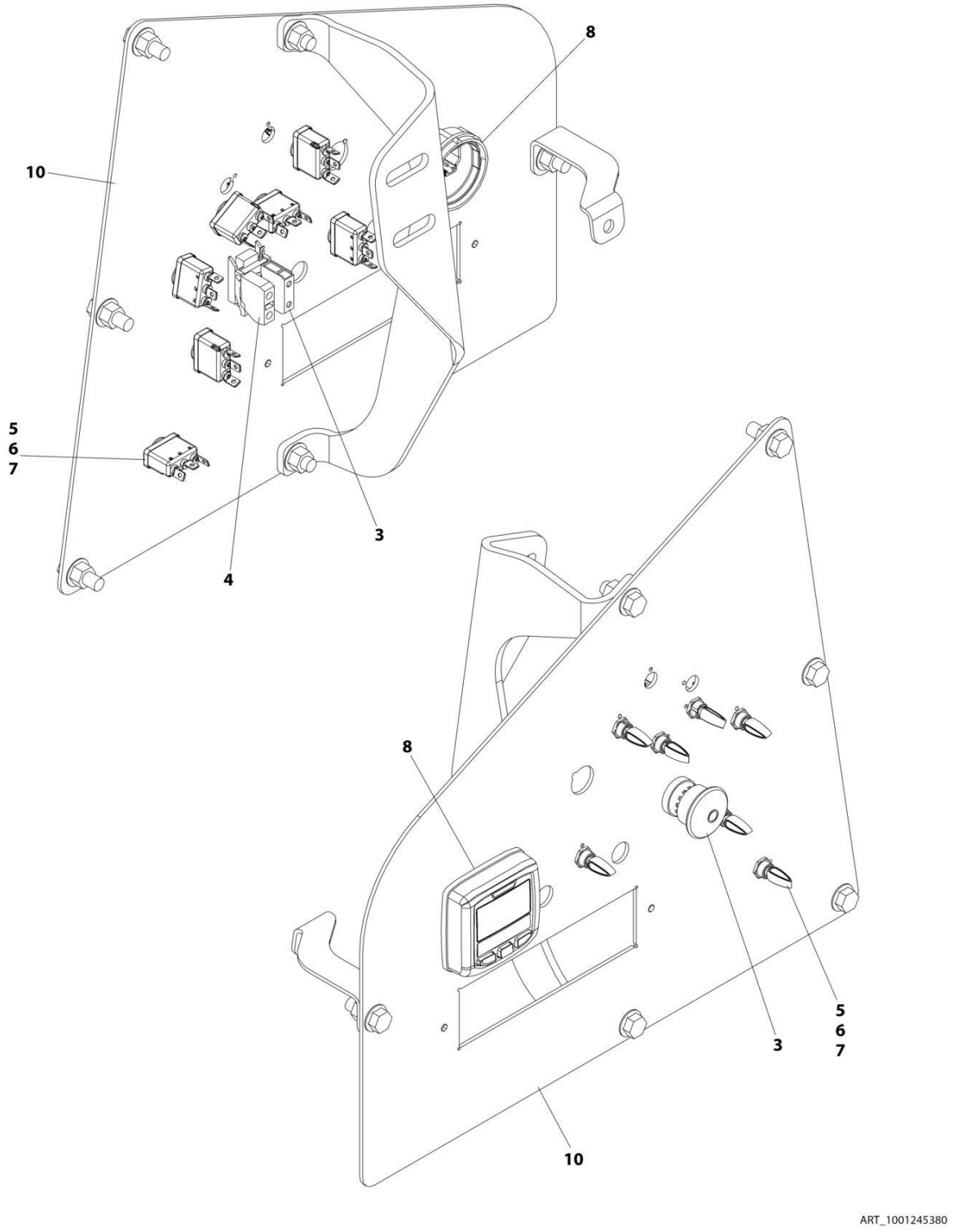


FIGURE 2-26. GROUND CONTROL BOX ASSEMBLY (460SJ HC3 WITH DEUTZ D2.9L4 (STAGE V) ENGINES) (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245380	Ref	GROUND CONTROL ASSEMBLY	B
3	4360475	1	Switch, Emergency Stop	
3	7020175	1	Cap	
3	7020176	1	Block, Contact	
4	4360476	1	Block, Contact	
5	1001155043	7	Washer	
6	1001155044	7	Nut 15/32	
7	1001155045	7	Switch, Toggle	
8	1001171482	1	Gauge	
10	1001245379	1	Ground Control Mounting (See Separate Breakdown in this Section)	

FIGURE 2-27. GROUND CONTROL BRACKET INSTALLATION

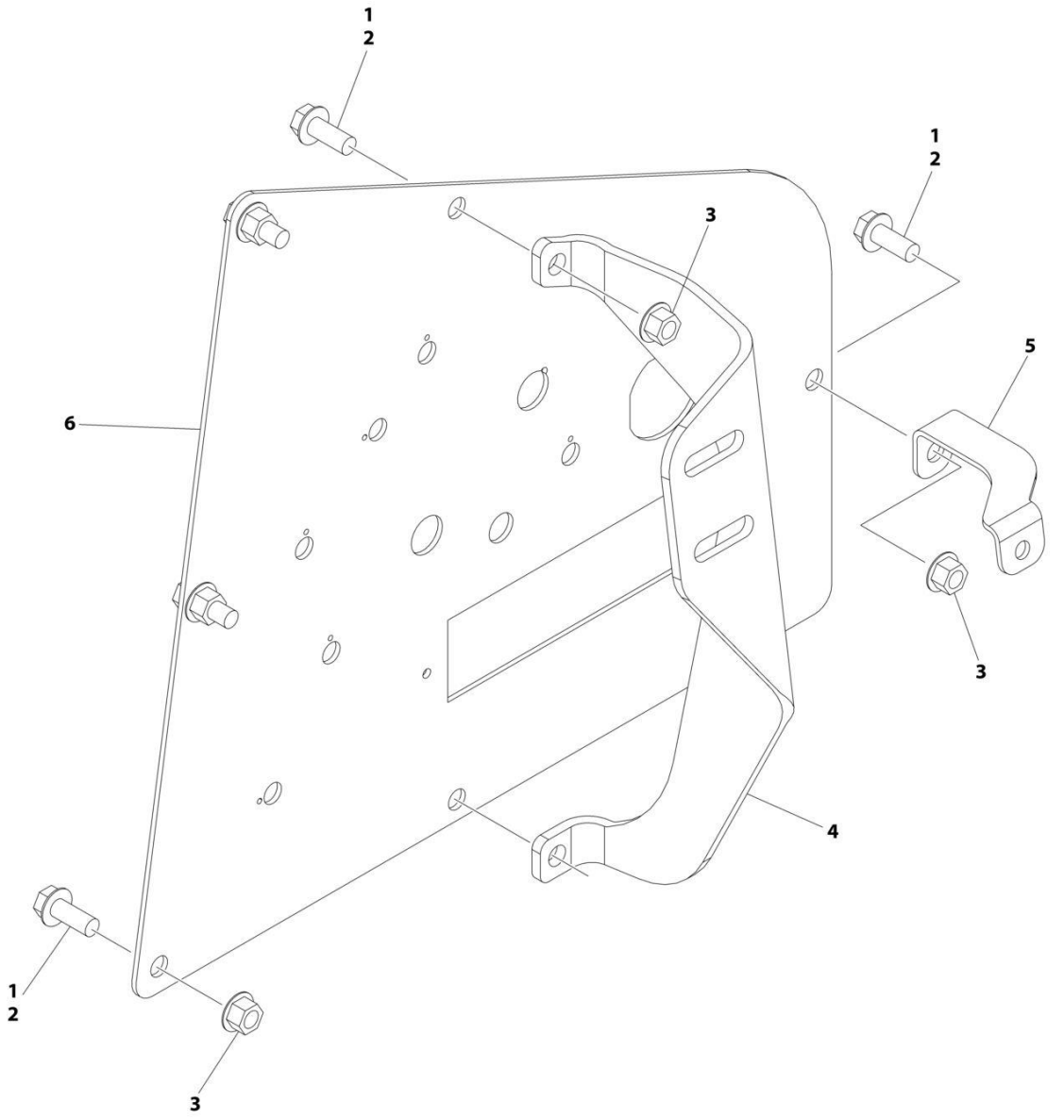


FIGURE 2-27. GROUND CONTROL BRACKET INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238887	Ref	GROUND CONTROL PANEL MOUNTING	A
1	0100011	AR	Compound, Locking	
2	5251012	6	Bolt M10 x 25	
3	5261000	6	Nut M10	
4	1001235528	1	Support	
5	1001235529	1	Bracket	
6	1001238886	1	Plate, Ground Control	

FIGURE 2-28. GROUND CONTROL BRACKET INSTALLATION (460SJ HC3 WITH DEUTZ D2.9L4 (STAGE V) ENGINES) CE SPECS)

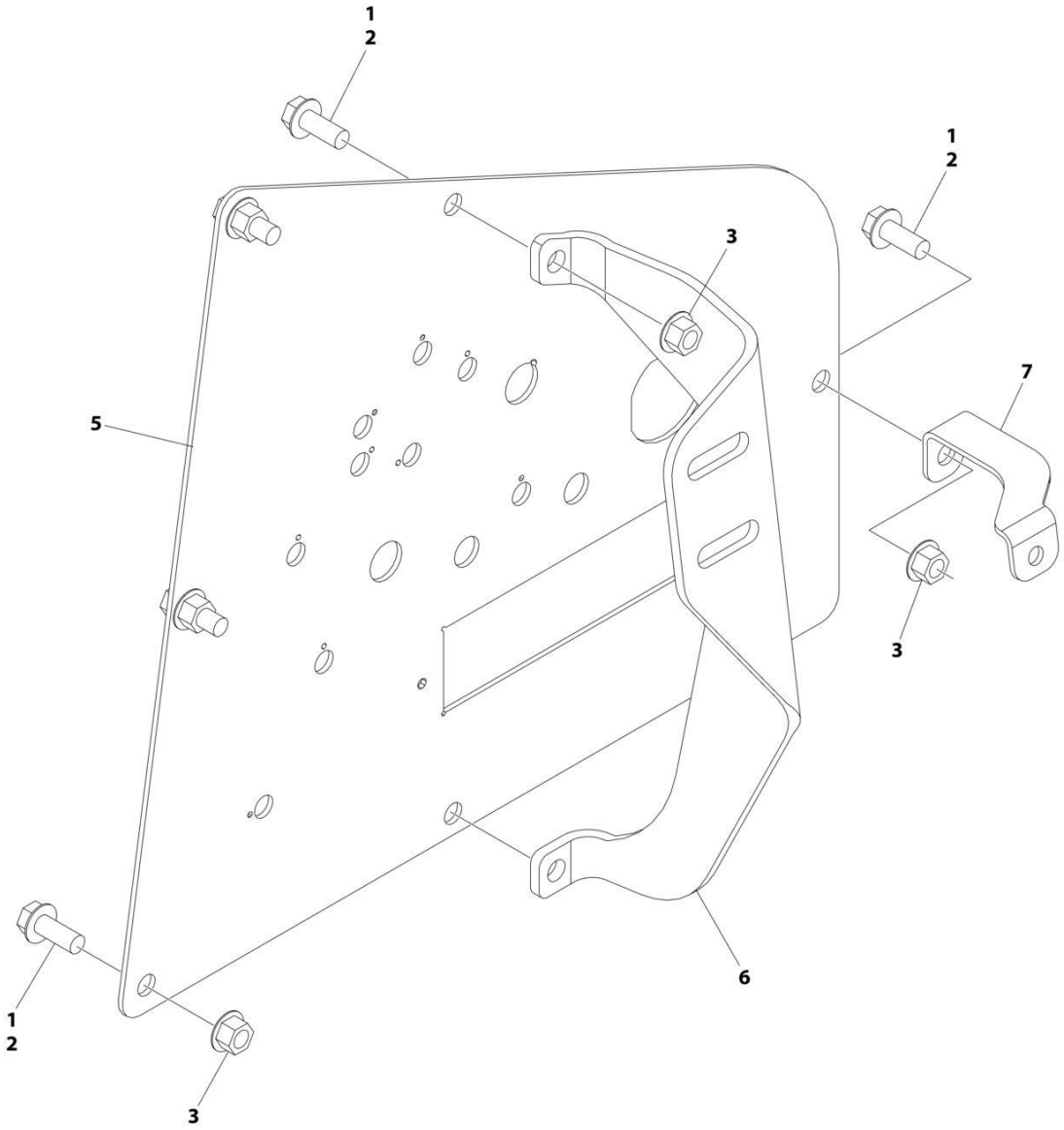


FIGURE 2-28. GROUND CONTROL BRACKET INSTALLATION (460SJ HC3 WITH DEUTZ D2.9L4 (STAGE V) ENGINES) CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245379	Ref	GROUND CONTORL MOUNTING	B
1	0100035	AR	Compound, Locking	
2	5251012	6	Bolt M10 x 25	
3	5261000	6	Nut M10	
5	1001245317	1	Plate, Ground Control	
6	1001235528	1	Support	
7	1001235529	1	Bracket	

FIGURE 2-29. KEYSWITCH AND PANEL DECAL INSTALLATION - 400S HC3

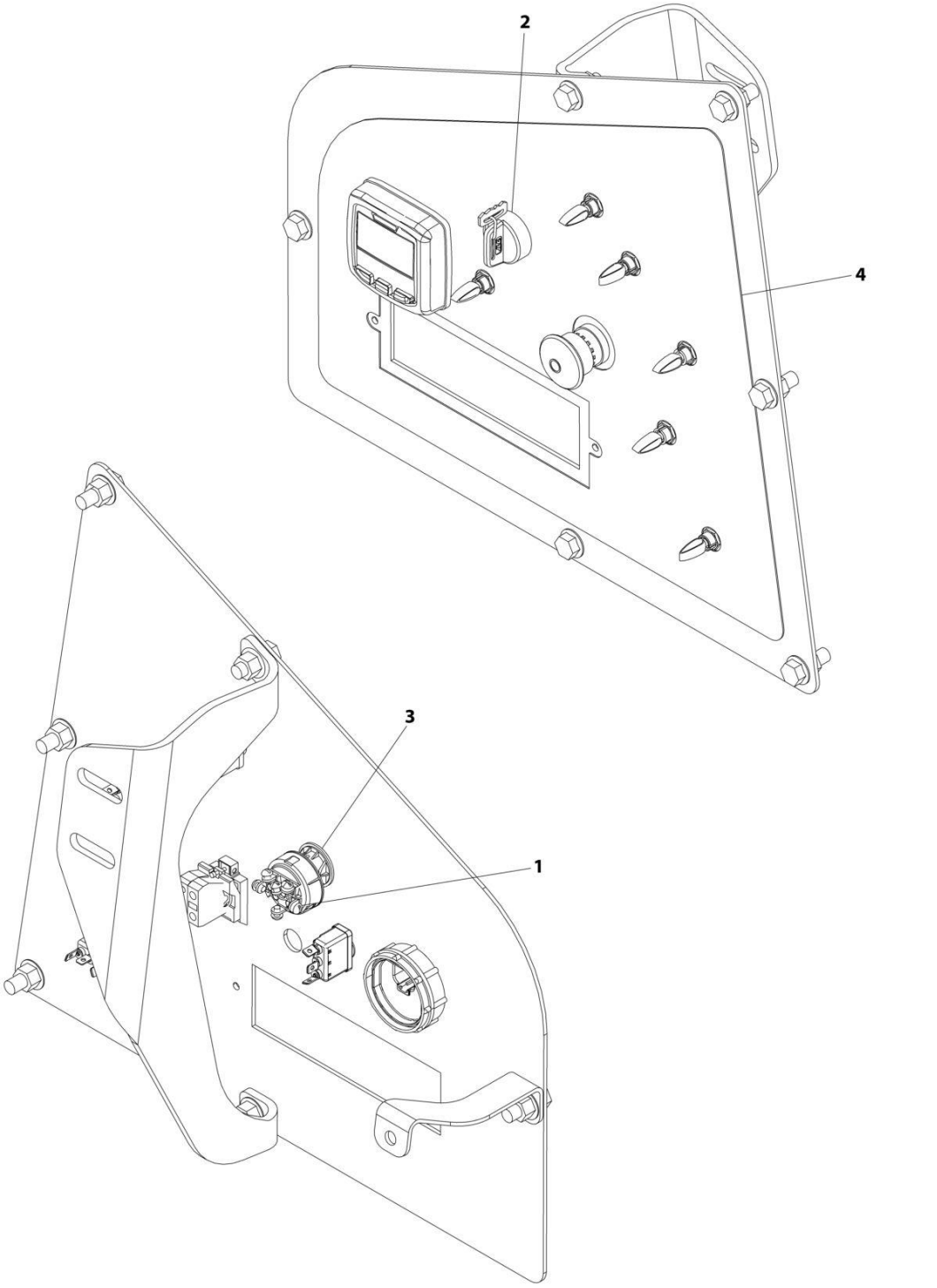


FIGURE 2-29. KEYSWITCH AND PANEL DECAL INSTALLATION - 400S HC3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222139	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - 400S	B
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2	2860030	1	Key, Replacement	
3	1001151393	1	Shim .063	
4	1001221402	1	Decal - Ground Control	

FIGURE 2-30. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJ HC3 (ALL SPECS EXCEPT CE SPECS)

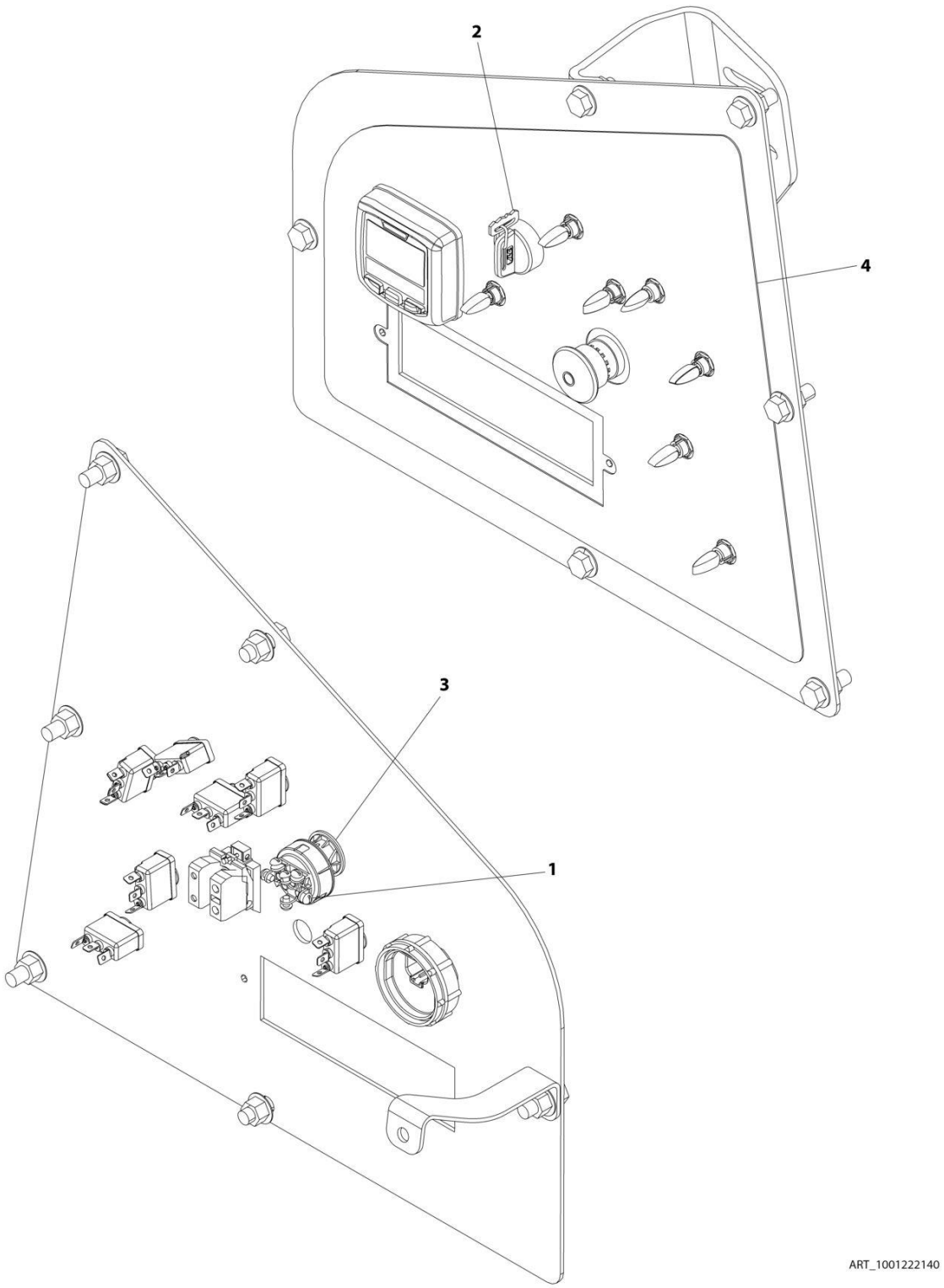


FIGURE 2-30. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJ HC3 (ALL SPECS EXCEPT CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222140	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - 460SJ	B
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2	2860030	1	Key, Replacement	
3	1001151393	1	Shim .063	
4	1001221403	1	Decal - Ground Control	

FIGURE 2-31. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJ HC3 (CE-LRC SPECS)

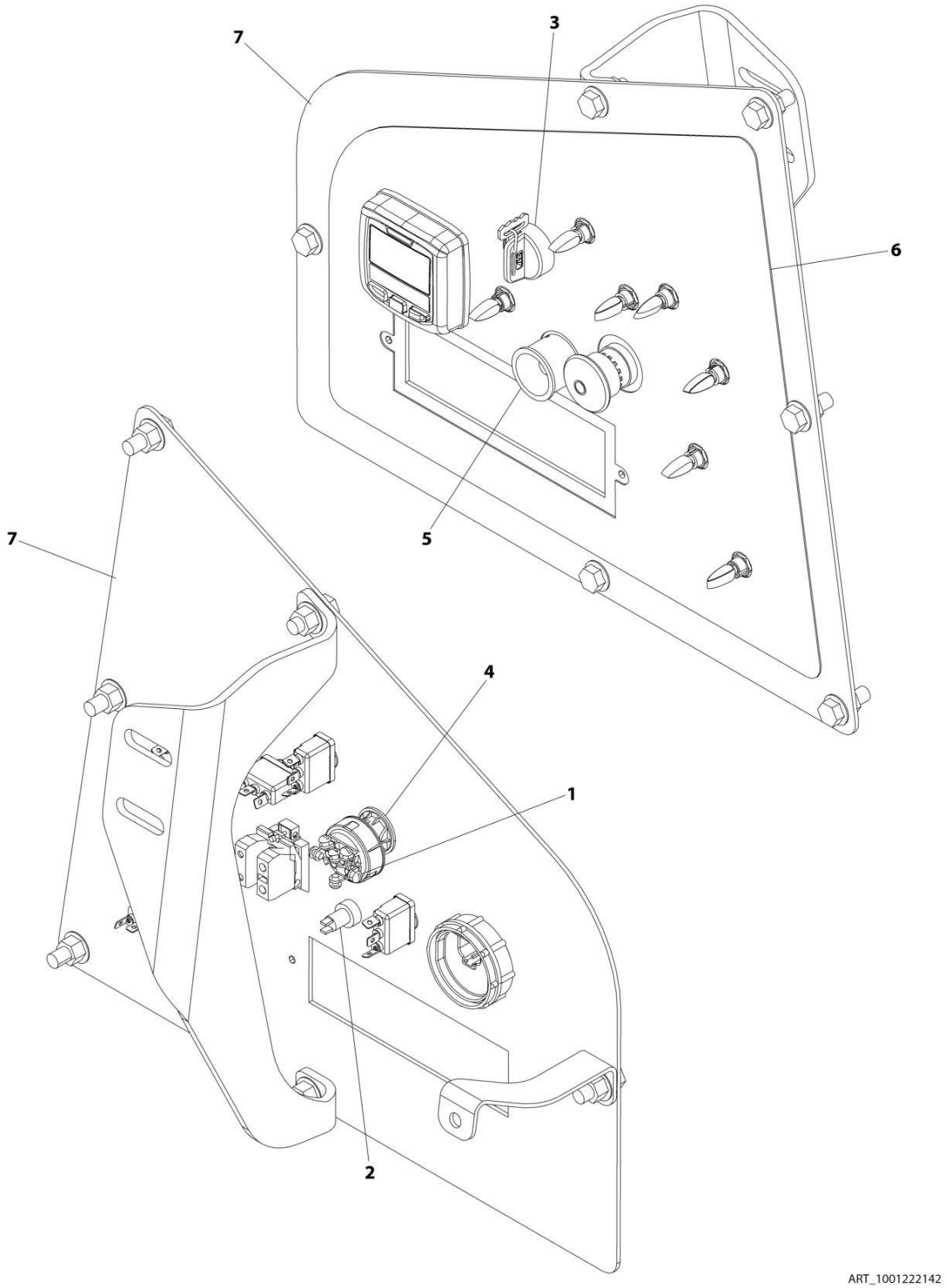


FIGURE 2-31. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJ HC3 (CE-LRC SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222142	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - 460SJ	C
1	3910804	6	Screw #8 x 1/4	
2	4360387	1	Switch, Push Button	
3	4360469	1	Switch, Key	
3	2860030	1 set	Key, Replacement	
4	1001151393	1	Shim .063	
5	1001176469	1	Shroud, Switch	
6	1001221405	1	Decal - Ground Control	
7	1001239293	1	Mount	

FIGURE 2-32. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJ HC3 (CE SPECS WITH DEUTZ D2.9L4 (STAGE V) ENGINES

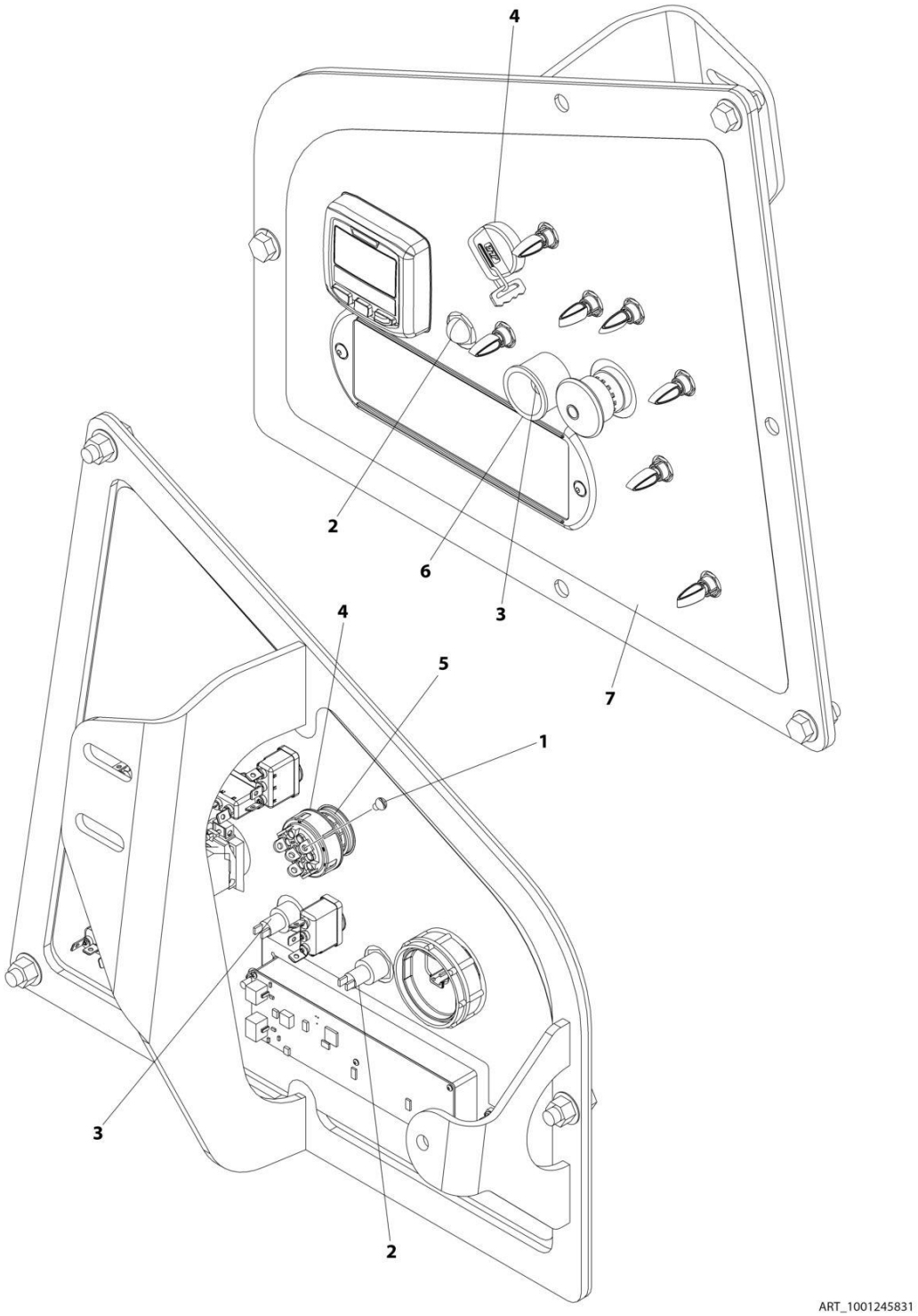


FIGURE 2-32. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJ HC3 (CE SPECS WITH DEUTZ D2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245831	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	B
1	3910804	6	Screw #8 x 1/4	
2	4360274	1	Switch, Push Button	
3	4360387	1	Switch, Push Button	
4	4360469	1	Switch, Key	
4	2860030	1	Key, Replacement	
5	1001151393	1	Shim .063	
6	1001176469	1	Shroud, Switch	
7	1001245827	1	Decal, Ground Control	

FIGURE 2-33. LIGHT PANEL INSTALLATION

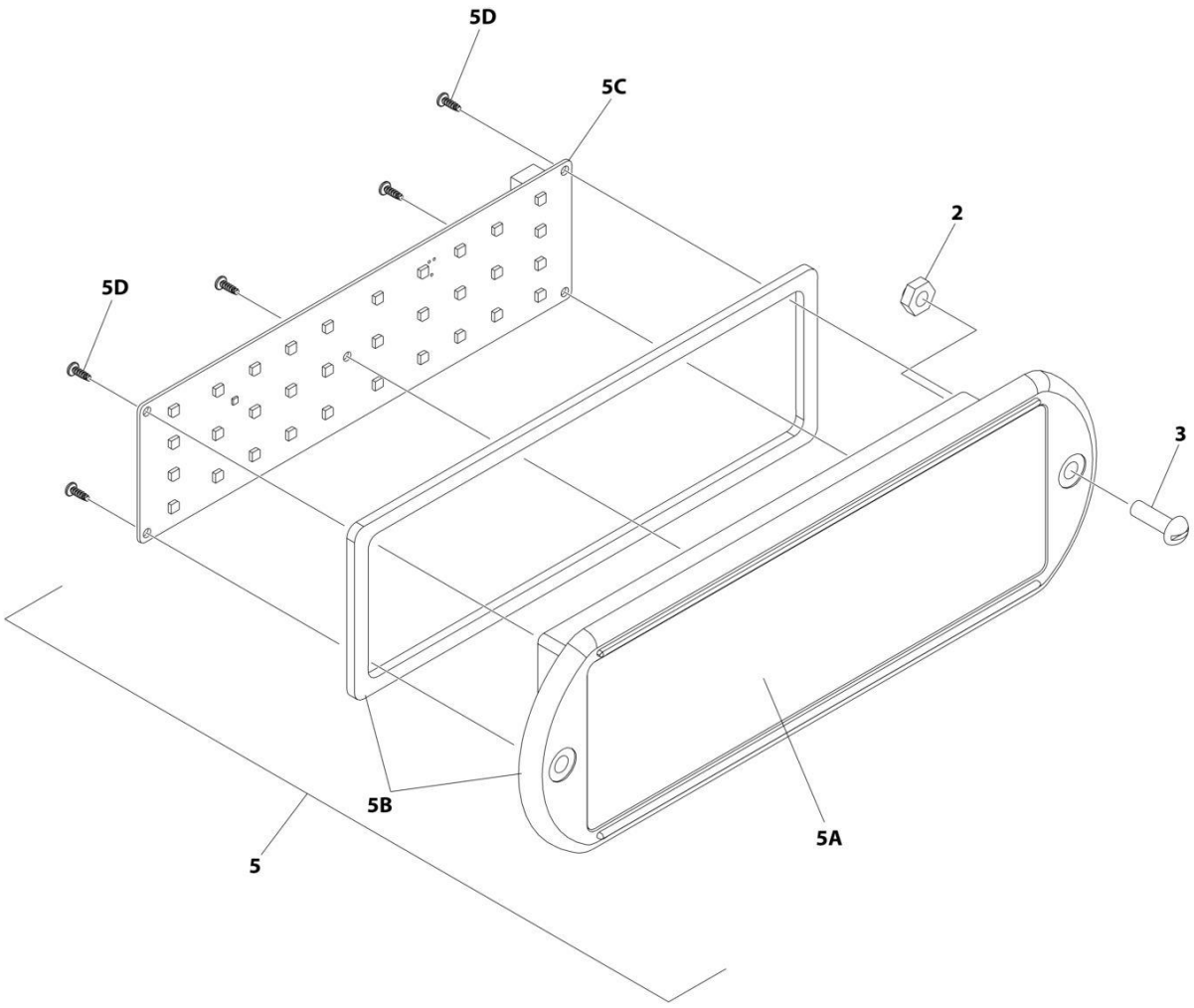


FIGURE 2-33. LIGHT PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233959	Ref	LIGHT PANEL INSTALLATION	C
2	3300408	2	Nut, Nylon Insert	
3	0630518	2	Screw #10 x 3/4	
5	1001237546	1	Light Panel Assembly	
5A	1001236091	1	Lens, I-Con/Bezel	
5C	1001187807	1	Panel, LED Light	
5D		Ref	Screw	

FIGURE 2-34. STROBE LIGHT INSTALLATION (AMBER)

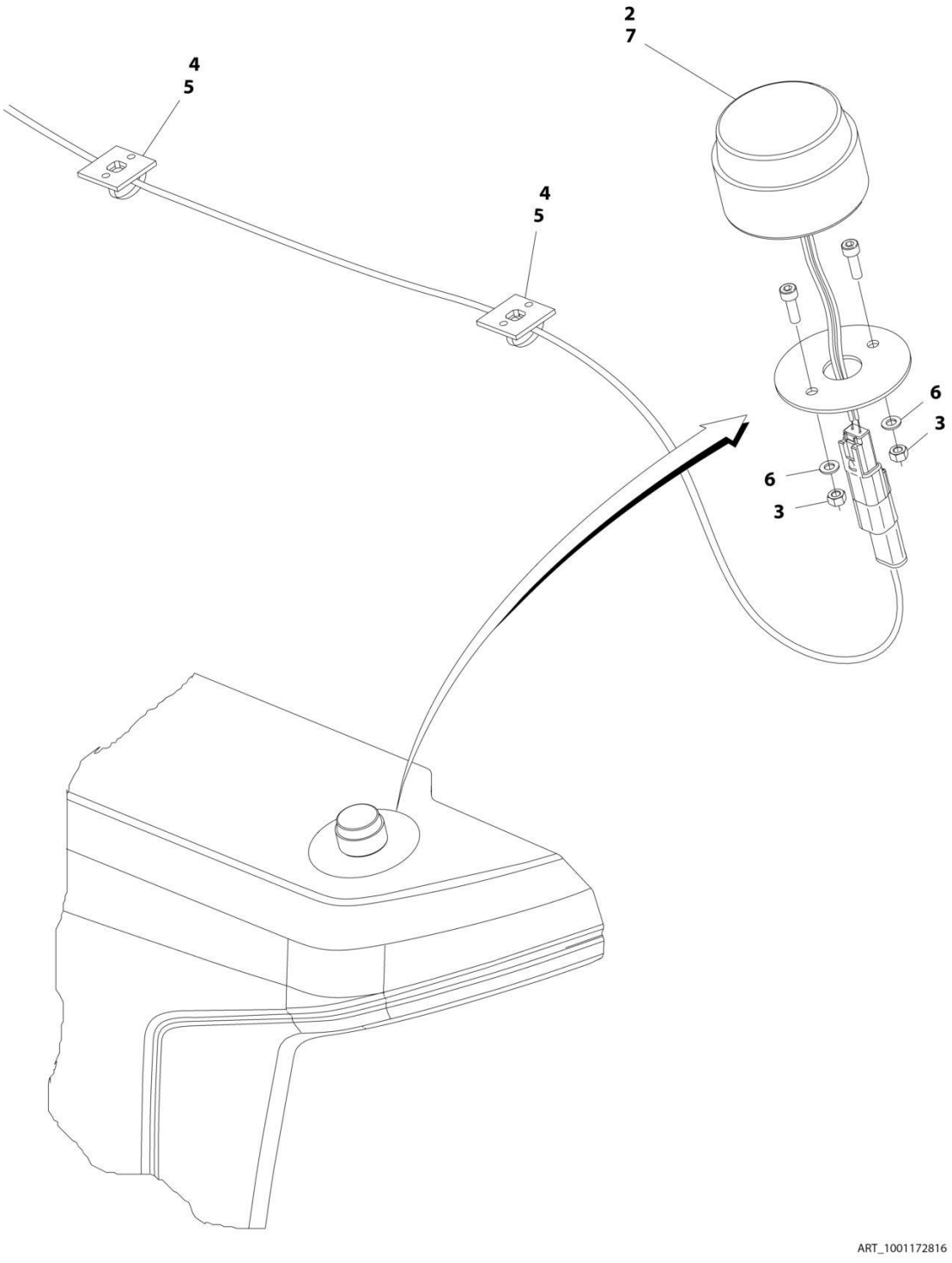


FIGURE 2-34. STROBE LIGHT INSTALLATION (AMBER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172816	Ref	BEACON LIGHT INSTALLATION - AMBER	C
2	1001181405	1	Light, Strobe (Amber)	
2	4460897	1	Receptacle, Female - 2 Position	
2	4460464	2	Pin, Male	
3	3290505	2	Nut M5	
4	4240032	AR	Tie-Strap	
5	4460234	2	Mount, Tie-Strap	
6	4811600	2	Washer M5	
7	0100048	1	Grease, Terminal	

FIGURE 2-35. STROBE LIGHT INSTALLATION (BLUE)

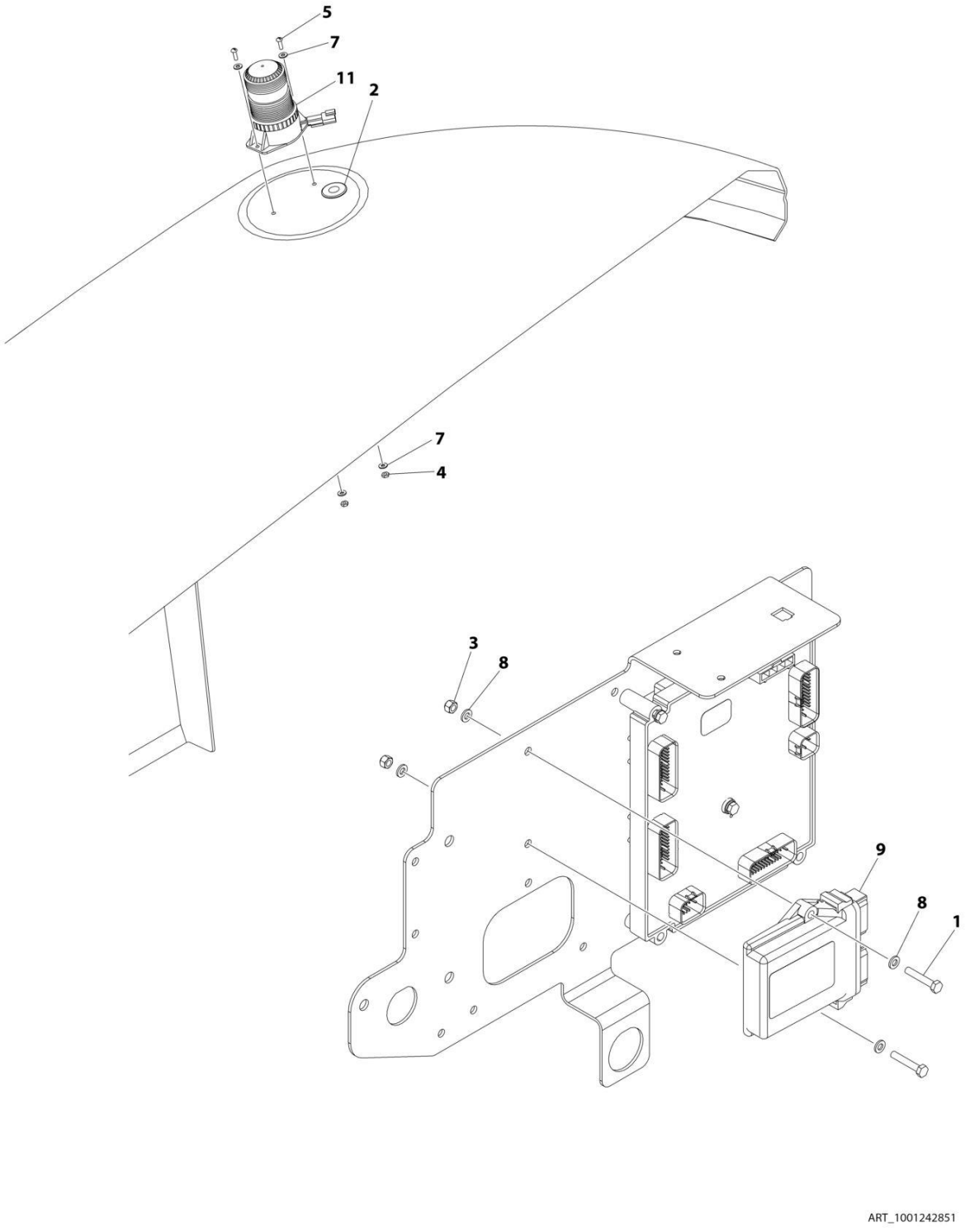


FIGURE 2-35. STROBE LIGHT INSTALLATION (BLUE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242851	Ref	BEACON LIGHT INSTALLATION - BLUE	A
1	0760615	2	Bolt M6 x 35	
2	2540020	1	Grommet, Insulation	
3	3290605	2	Nut M6	
4	3311005	2	Nut #10	
5	3911010	2	Screw #10 x 5/8	
6	4240099	AR	Tie-Strap (Not Shown)	
7	4711000	4	Washer #10	
8	4811700	4	Washer M6	
9	1001142683	1	Control Module (Note: Re-calibration Required when Replaced)	
10	1001142736	1	Beacon Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
11	1001200910	1	Light, Beacon	
11	4460897	1	Receptacle, Female - 2 Position	
11	4460943	2	Pin, Male	

FIGURE 2-36. STROBE LIGHT INSTALLATION (RED)

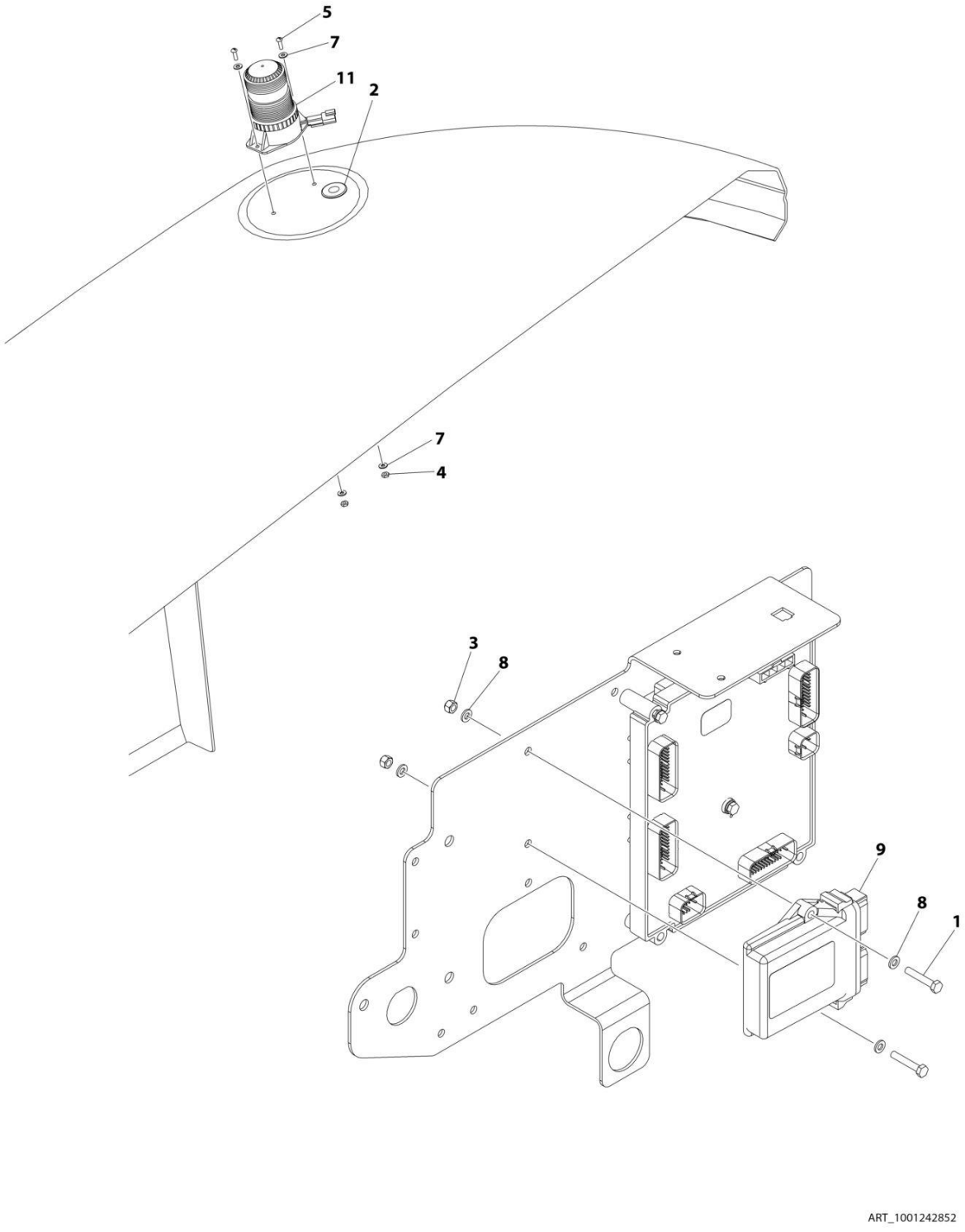
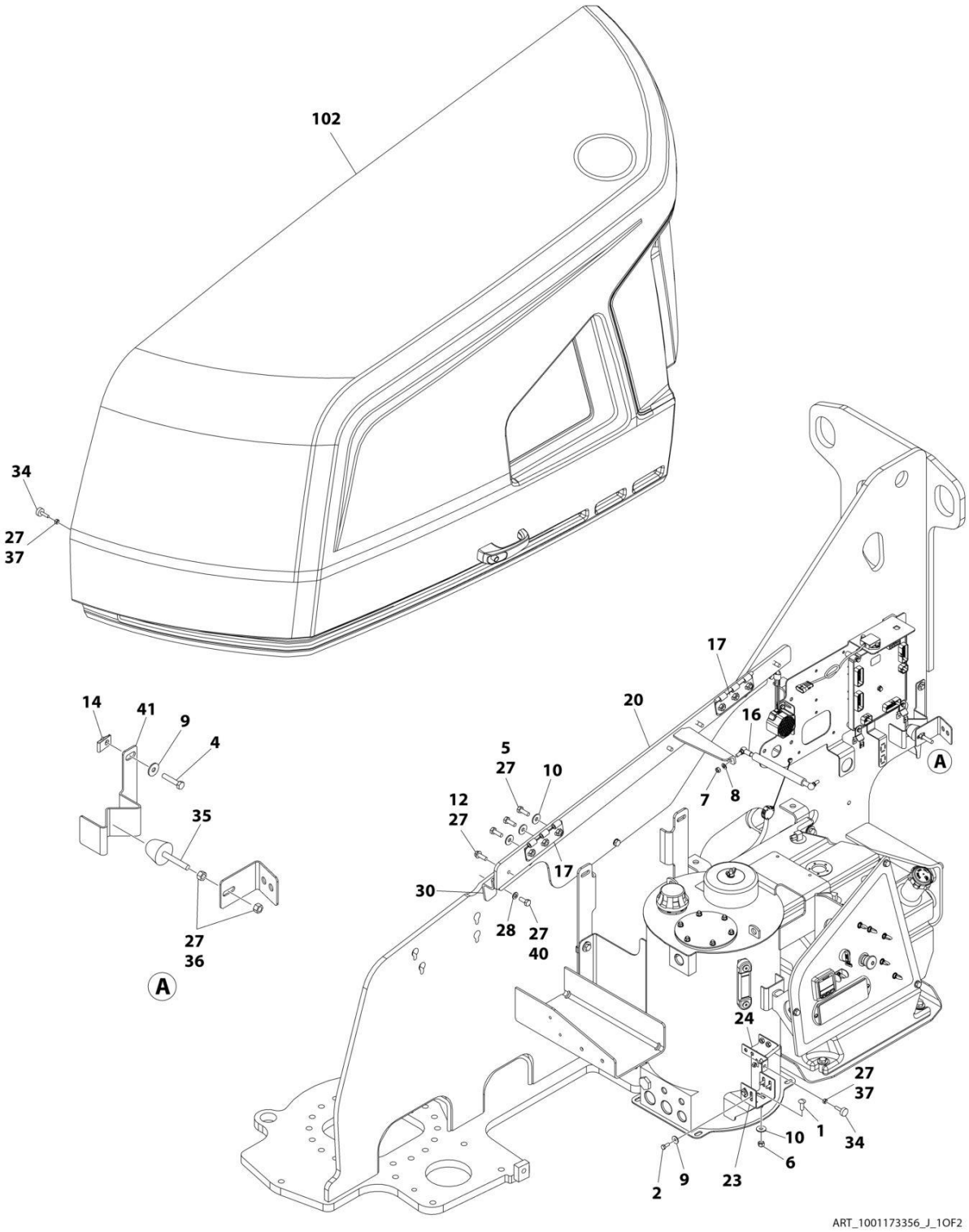


FIGURE 2-36. STROBE LIGHT INSTALLATION (RED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242852	Ref	BEACON LIGHT INSTALLATION - RED	A
1	0760615	2	Bolt M6 x 35	
2	2540020	1	Grommet, Insulation	
3	3290605	2	Nut M6	
4	3311005	2	Nut #10	
5	3911010	2	Screw #10 x 5/8	
6	4240099	AR	Tie-Strap (Not Shown)	
7	4711000	4	Washer #10	
8	4811700	4	Washer M6	
9	1001142683	1	Control Module (Note: Re-calibration Required when Replaced)	
10	1001142736	1	Beacon Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
11	1001207004	1	Light, Red Beacon	
11	4460897	1	Receptacle, Female - 2 Position	
11	4460943	2	Pin, Male	

FIGURE 2-37. HOODS INSTALLATION - ABS (DEUTZ ENGINES) (ANSI, ANSI EXPORT, CHINA & CSA SPECS) (Prior to SN 0300271832, Prior to SN E300007713)



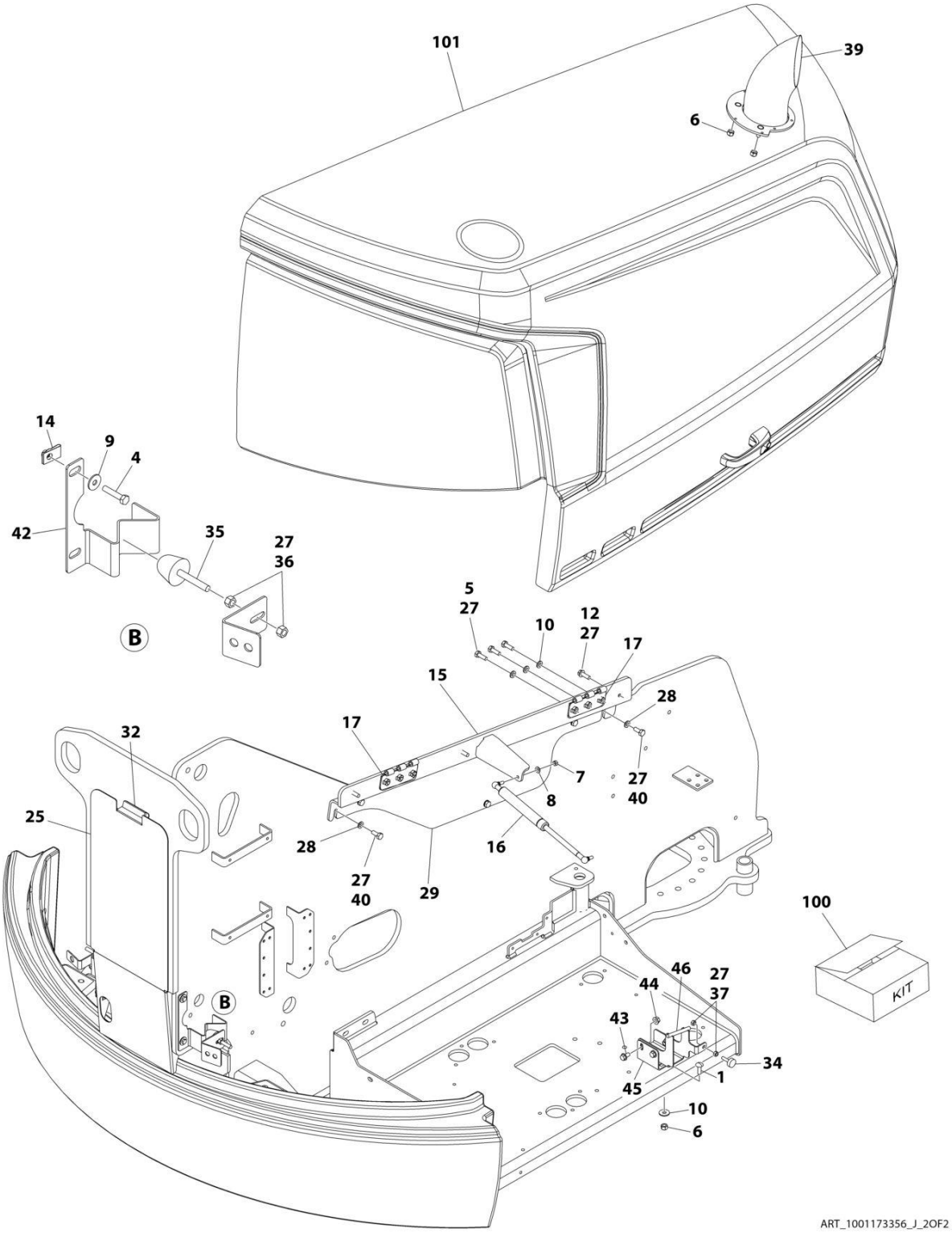
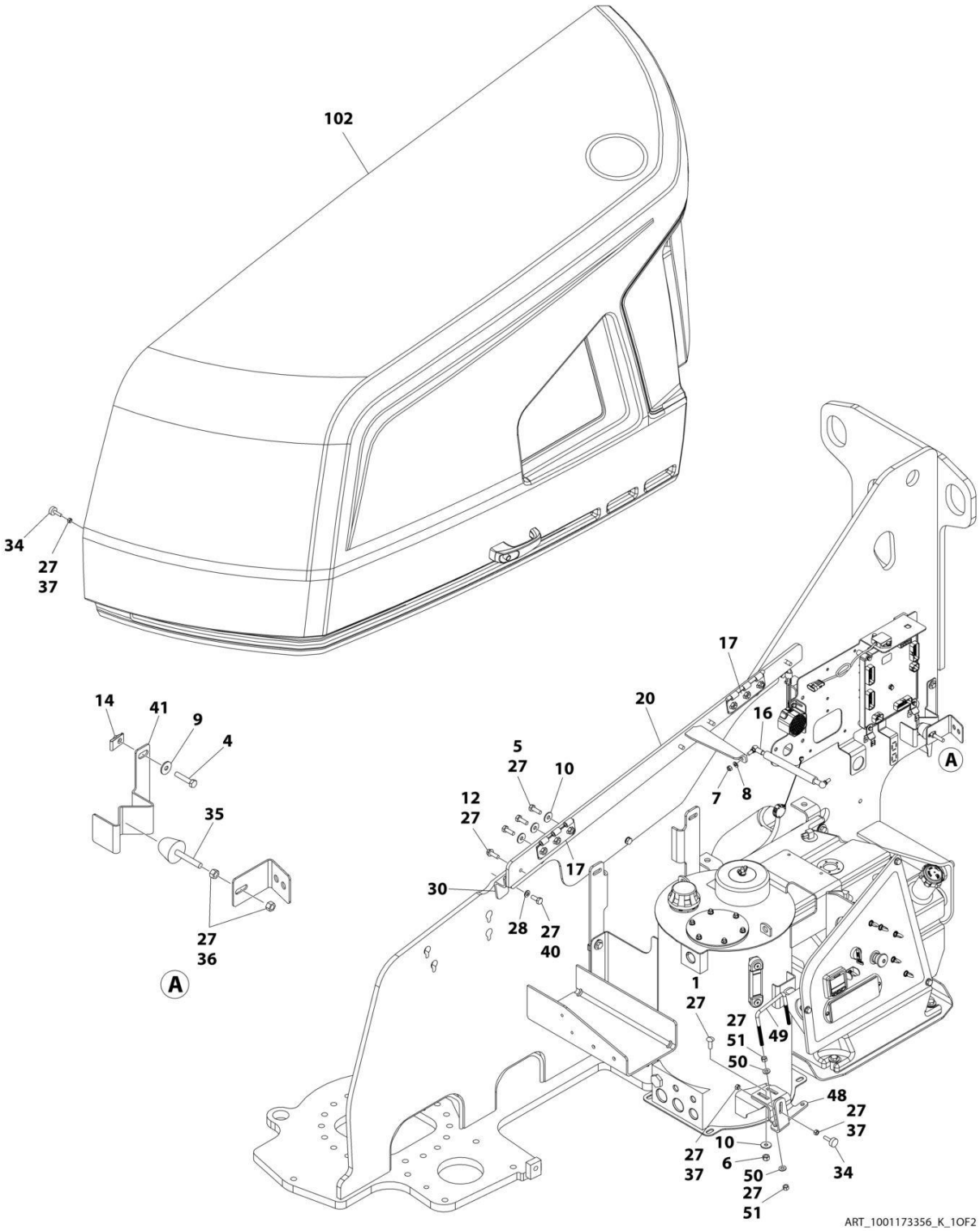

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FIGURE 2-37. HOODS INSTALLATION - ABS (DEUTZ ENGINES) (ANSI, ANSI EXPORT, CHINA & CSA SPECS) (Prior to SN 0300271832, Prior to SN E300007713)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173356	Ref	HOOD INSTALLATION	J
1	0630613	4	Bolt M10 x 30	
2	0760810	4	Bolt M8 x 20	
4	0760816	4	Bolt M8 x 40	
5	0761014	12	Bolt M10 x 30	
6	3291005	7	Nut M10	
7	3311505	2	Nut 5/16	
8	4711500	2	Washer 5/16	
9	4811902	8	Washer M8	
10	4812002	16	Washer M10	
12	5251014	8	Bolt M10 x 30	
14	1001149160	4	Nut, Tinnerman M8	
15	1001167159	1	Mount, Adjustment	
16	4160182	2	Spring, Gas	
17	1001169046	4	Nut	
20	1001170850	1	Mount, Adjustment	
23	1001172615	1	Mount, Latch	
24	1001172617	1	Support	
25	1001173354	1	Cover	
27	0100011	AR	Compound, Locking	
28	4812000	10	Washer M10	
29	1001165060	1	Plate	
30	1001168173	1	Mount, Hinge	
32	90200755	AR	Tape, Gasket	
34	0940049	4	Stopper	
35	1001206314	2	Bumper	
36	3271601	4	Nut 3/8	
37	3311501	8	Nut 5/16	
39	1001174098	1	Outlet, Exhaust	
40	0761012	10	Bolt M10 x 25	
41	1001199207	1	Bracket, Bumper	
42	1001199901	1	Bracket, Bumper	
43	5251009	3	Bolt M10 x 18	
44	5261000	3	Nut M10	
45	1001223078	1	Mount, Hood Latch	
46	1001223161	1	Support, Striker	
100	1001202298	1	Hood Kit	
101	1001170551	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001170552	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

FIGURE 2-38. HOODS INSTALLATION - ABS (DEUTZ ENGINES) (ANSI, ANSI EXPORT, CHINA & CSA SPECS) (SN 0300271832 to Present, SN E300007713 to Present)



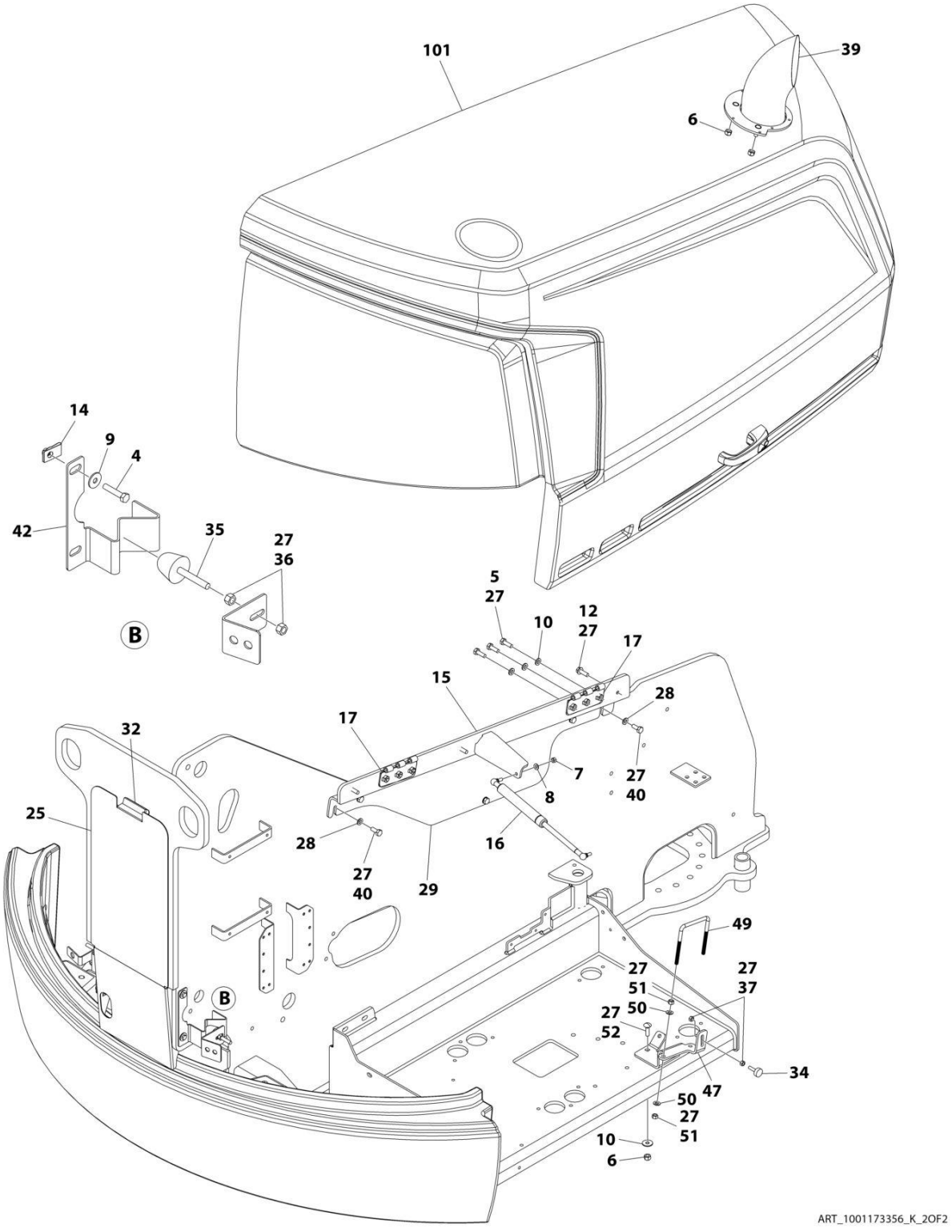
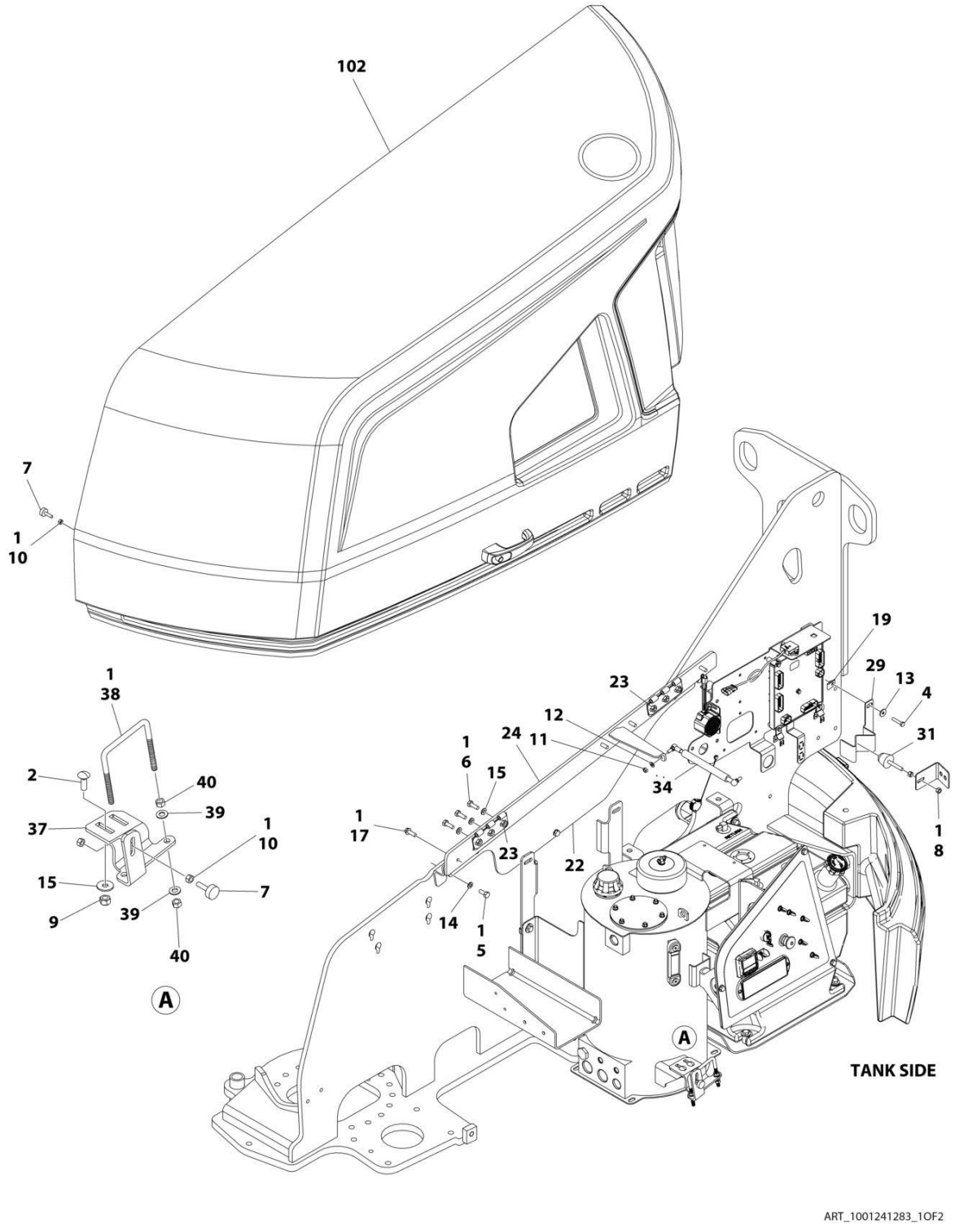

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FIGURE 2-38. HOODS INSTALLATION - ABS (DEUTZ ENGINES) (ANSI, ANSI EXPORT, CHINA & CSA SPECS) (SN 0300271832 to Present, SN E300007713 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173356	Ref	HOOD INSTALLATION	K
1	0630613	2	Bolt M10 x 30	
4	0760816	4	Bolt M8 x 40	
5	0761014	12	Bolt M10 x 30	
6	3291005	7	Nut M10	
7	3311505	2	Nut 5/16	
8	4711500	2	Washer 5/16	
9	4811902	4	Washer M8	
10	4812002	16	Washer M10	
12	5251014	8	Bolt M10 x 30	
14	1001149160	4	Nut, Tinnerman M8	
15	1001167159	1	Mount, Adjustment	
16	4160182	2	Spring, Gas	
17	1001169046	4	Nut	
20	1001170850	1	Mount, Adjustment	
25	1001173354	1	Cover	
27	0100011	AR	Compound, Locking	
28	4812000	10	Washer M10	
29	1001165060	1	Plate	
30	1001168173	1	Mount, Hinge	
32	90200755	AR	Tape, Gasket	
34	0940049	4	Stopper	
35	1001206314	2	Bumper	
36	3271601	4	Nut 3/8	
37	3311501	8	Nut 5/16	
39	1001174098	1	Outlet, Exhaust	
40	0761012	10	Bolt M10 x 25	
41	1001199207	1	Bracket, Bumper	
42	1001199901	1	Bracket, Bumper	
47	1001250287	1	Bracket, Engine	
48	1001250289	1	Bracket, Tank	
49	1001243414	2	Bolt, U-Bolt	
50	4711600	8	Washer 3/8	
51	3311601	8	Nut 3/8	
52	1001228406	2	Bolt M10 x 35	
100	1001202298	1	Hood Kit (Not Shown) (Includes Items 101-102)	
101	1001170551	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001170552	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

FIGURE 2-39. HOODS INSTALLATION - ABS (DEUTZ ENGINES) (AUSTRALIAN & CE SPECS)



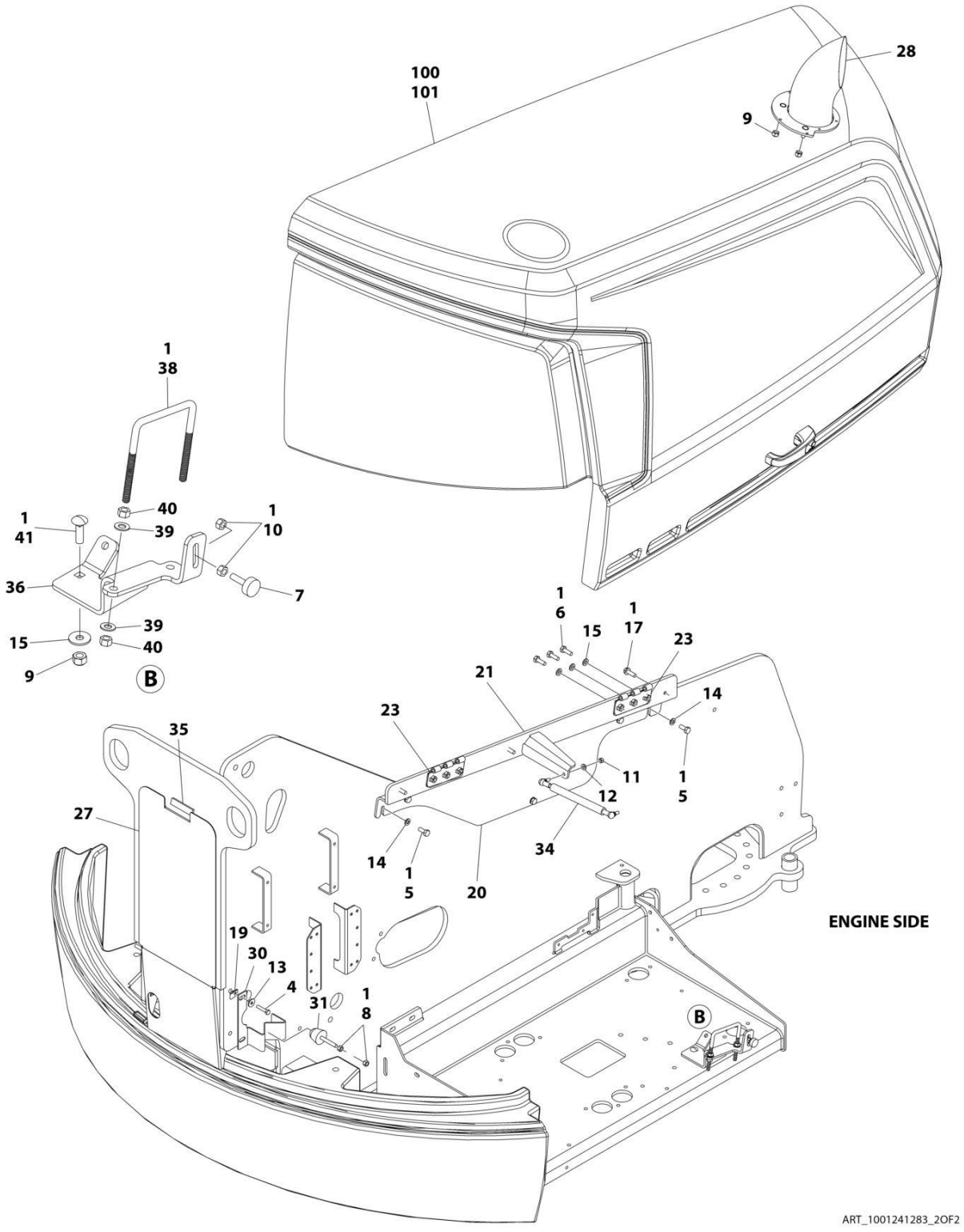
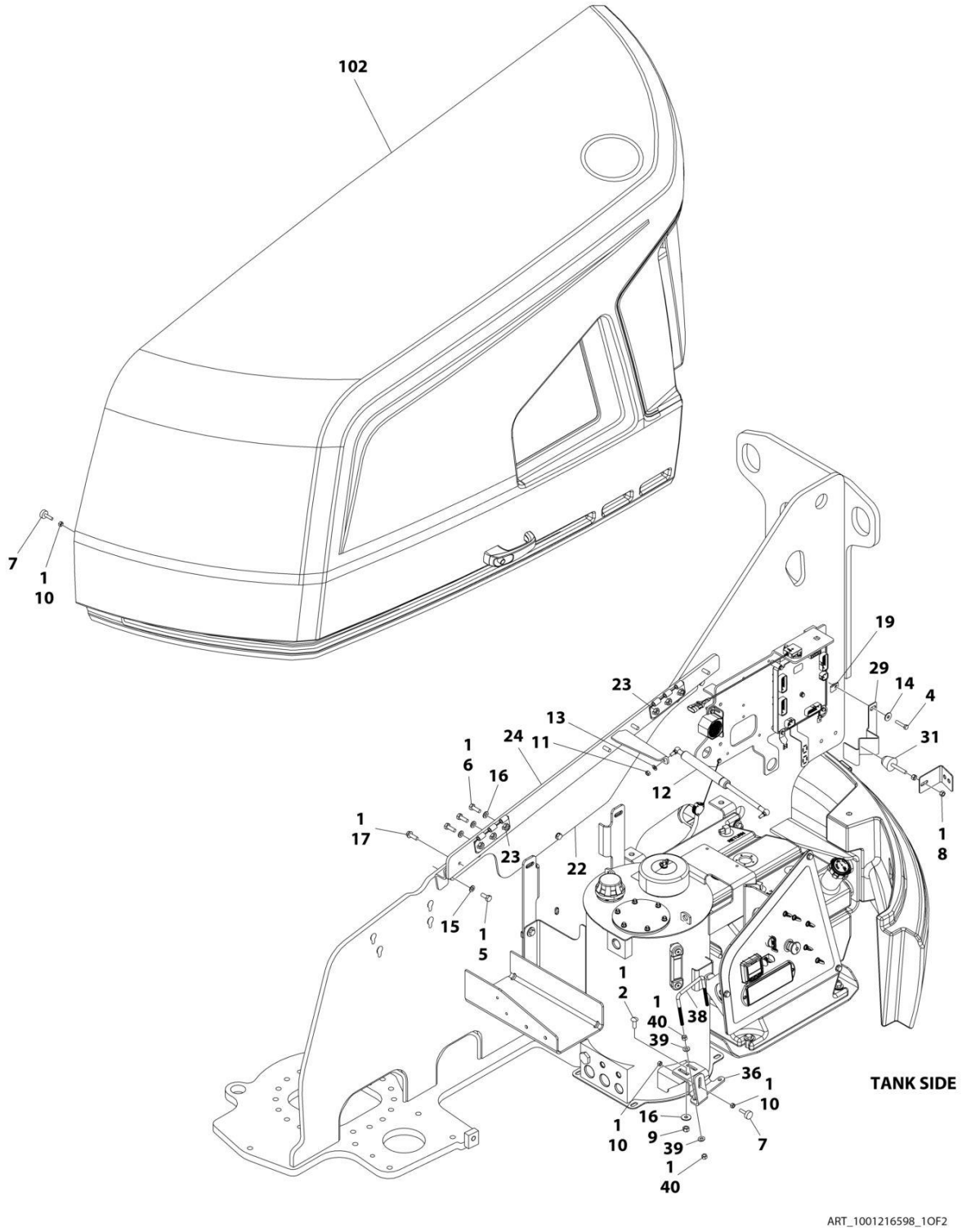

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ENGINE SIDE
ART_1001241283_2OF2

FIGURE 2-39. HOODS INSTALLATION - ABS (DEUTZ ENGINES) (AUSTRALIAN & CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241283	Ref	KUBOTA HOOD INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0630613	2	Bolt M10 x 30	
4	0760816	4	Bolt M8 x 40	
5	0761012	10	Bolt M10 x 25	
6	0761014	12	Bolt M10 x 30	
7	0940049	4	Stopper	
8	3271601	4	Nut 3/8	
9	3291005	7	Nut M10 x 1.5	
10	3311501	8	Nut 5/16	
11	3311505	2	Nut 5/16	
12	4711500	2	Washer 5/16	
13	4811902	4	Washer M8	
14	4812000	10	Washer M10	
15	4812002	16	Washer M10	
17	5251014	8	Bolt, M10 x 30	
19	1001149160	4	Nut, Tinnerman M8	
20	1001165060	1	Plate	
21	1001167159	1	Mount, Adjustment	
22	1001168173	1	Mount, Hinge	
23	1001169046	4	Nut	
24	1001170850	1	Mount, Adjustment	
27	1001173354	1	Cover	
28	1001174098	1	Outlet, Exhaust	
29	1001199207	1	Bracket, Bumper	
30	1001199901	1	Bracket, Bumper	
31	1001206314	2	Bumper	
34	4160182	2	Spring, Gas	
35	90200755	AR	Tape, Gasket	
36	1001250287	1	Bracket	
37	1001250289	1	Bracket	
38	1001243414	2	Bolt 3/8 x 4 x 4 5/8	
39	4711600	8	Washer 3/8	
40	3311601	8	Nut 3/8	
41	1001228406	2	Bolt M10 x 35	
100	1001241288	1	Hood Kit (Includes Items 101 & 102)	
101	1001241291	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001241292	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

FIGURE 2-40. HOODS INSTALLATION - ABS (KUBOTA ENGINES) (USA BUILT MACHINES)



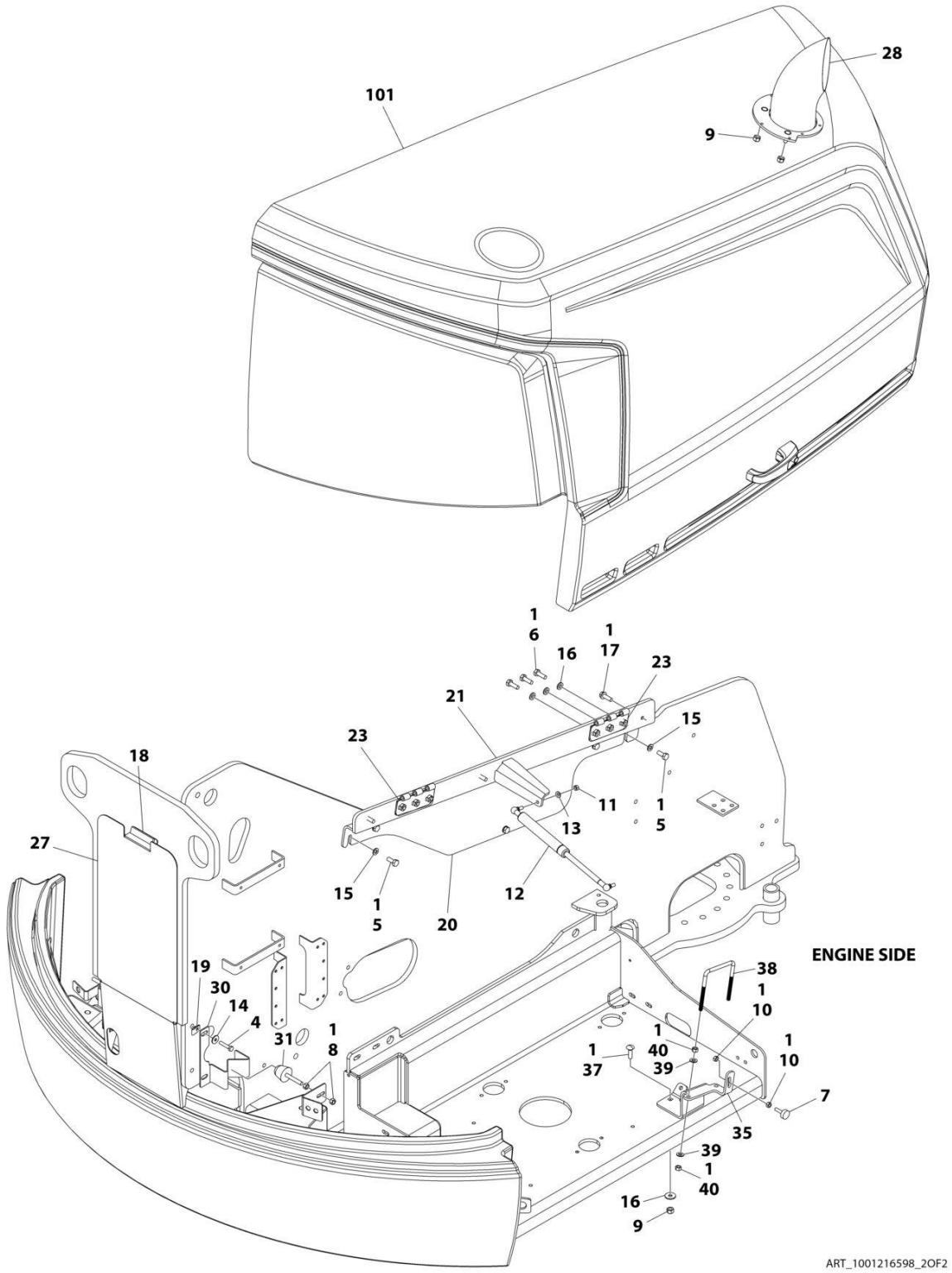
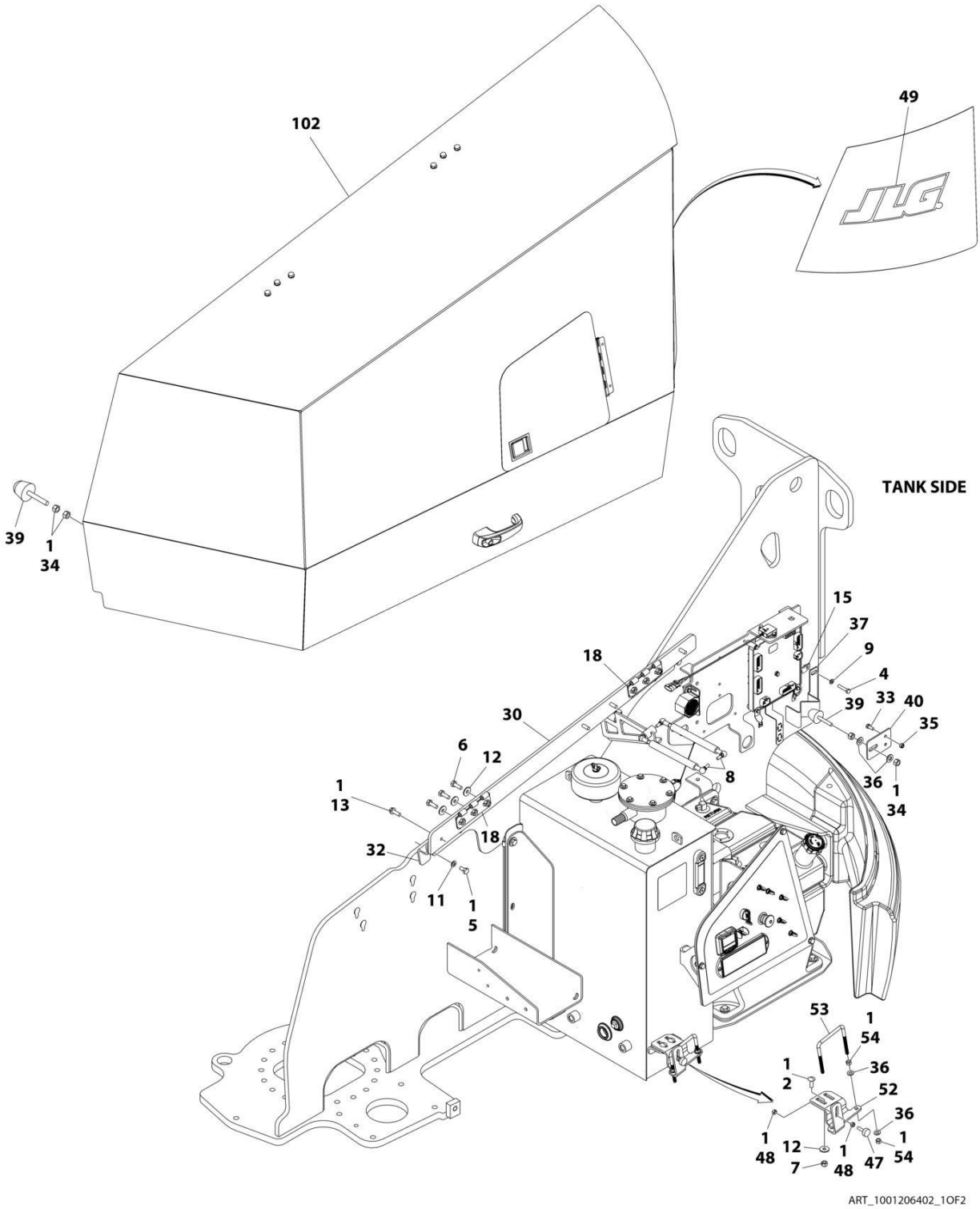

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ART_1001216598_2OF2

FIGURE 2-40. HOODS INSTALLATION - ABS (KUBOTA ENGINES) (USA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216598	Ref	KUBOTA HOOD INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0630613	2	Bolt M10 x 30	
4	0760816	4	Bolt M8 x 40	
5	0761012	10	Bolt M10 x 25	
6	0761014	12	Bolt M10 x 30	
7	0940049	4	Stopper	
8	3271601	4	Nut 3/8	
9	3291005	7	Nut M10	
10	3311501	8	Nut 5/16	
11	3311505	2	Nut 5/16	
12	4160182	2	Spring, Gas	
13	4711500	2	Washer 5/16	
14	4811902	AR	Washer M8	
15	4812000	10	Washer M10	
16	4812002	16	Washer M10	
17	5251014	8	Bolt M10 x 30	
18	90200755	AR	Tape, Gasket	
19	1001149160	4	Nut, Tinnerman M8	
20	1001165060	1	Plate	
21	1001167159	1	Mount, Adjustment	
22	1001168173	1	Mount, Hinge	
23	1001169046	4	Nut	
24	1001170850	1	Mount, Adjustment	
27	1001173354	1	Cover	
28	1001174098	1	Outlet, Exhaust	
29	1001199207	1	Bracket, Bumper	
30	1001199901	1	Bracket, Bumper	
31	1001206314	2	Bumper	
35	1001250288	1	Bracket, Engine	
36	1001250289	1	Bracket, Tank	
37	1001228406	2	Bolt, Carriage	
38	1001243414	2	Bolt, U-bolt	
39	4711600	AR	Washer 3/8	
40	3311601	AR	Nut 3/8	
100	1001202298	1	Hood Kit (Not Shown - Includes Items 101 & 102)	
101	1001170551	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001170552	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

FIGURE 2-41. HOODS INSTALLATION - STEEL



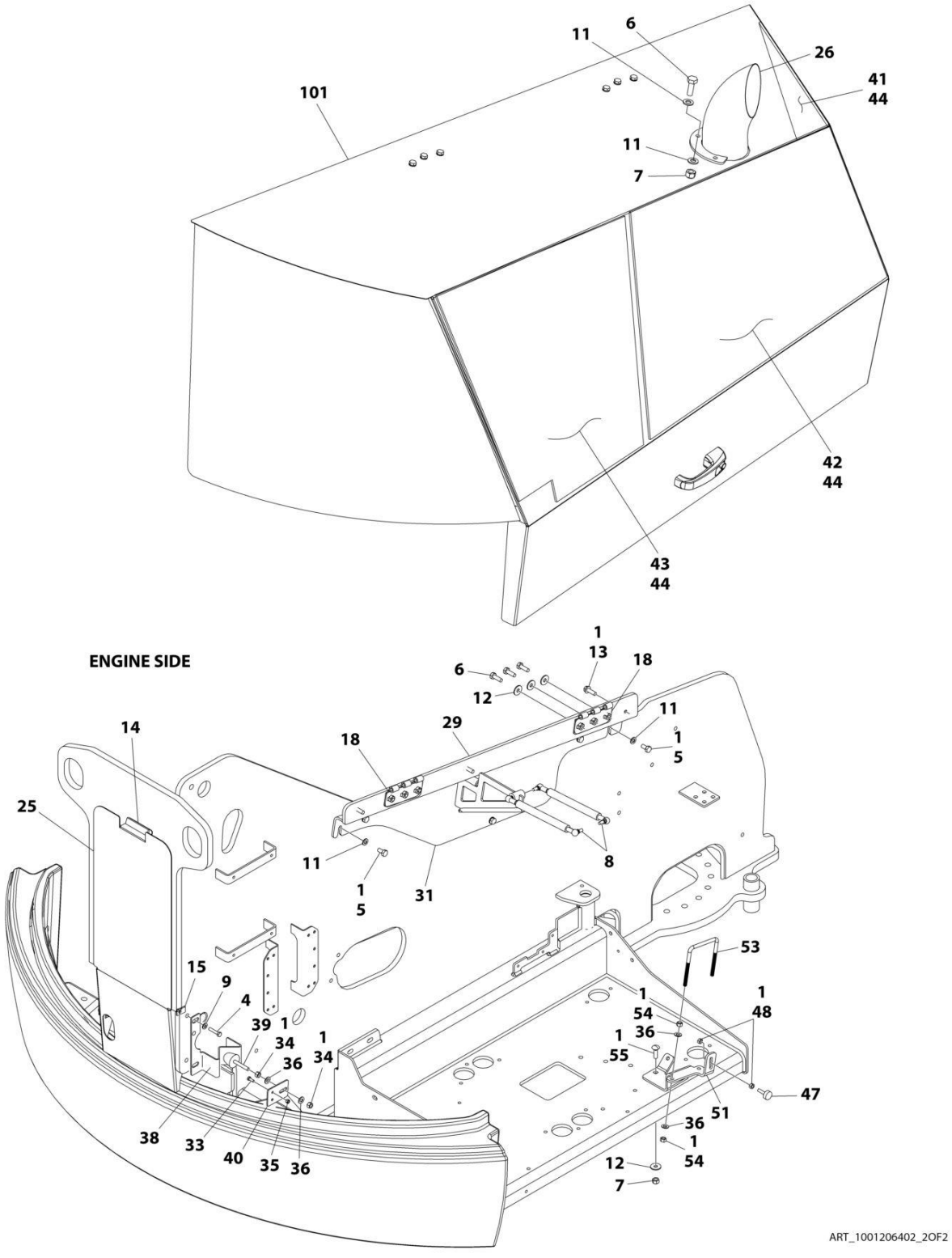

ENGINE SIDE
ART_1001206402_2OF2

FIGURE 2-41. HOODS INSTALLATION - STEEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206402	Ref	STEEL HOOD INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0630613	2	Bolt M10 x 30	
4	0760816	4	Bolt M8 x 40	
5	0761012	10	Bolt M10 x 25	
6	0761014	15	Bolt M10 x 30	
7	3291005	7	Nut M10	
8	1001167918	4	Spring, Gas	
9	4811900	4	Washer M8	
11	4812000	16	Washer M10	
12	4812002	16	Washer M10	
13	5251012	8	Bolt M10 x 25	
14	90200755	85 mm	Tape, Gasket	
15	1001149160	4	Nut, Tinnerman M8	
18	1001169046	4	Nut	
25	1001173354	1	Cover	
26	1001174098	1	Outlet, Exhaust	
29	1001211633	1	Plate	
30	1001211636	1	Plate	
31	1001212819	1	Mount, Hinge	
32	1001212822	1	Mount, Hinge	
33	0760608	4	Bolt M6 x 16	
34	3271601	8	Nut 3/8	
35	3290605	4	Nut M6	
36	4711600	4	Washer 3/8	
37	1001199207	1	Bracket, Bumper	
38	1001199901	1	Bracket, Bumper	
39	1001206314	4	Bumper	
40	1001219134	2	Plate, Bumper Mount	
41	1001222043	1	Insulate, Heat Shield	
42	1001222044	1	Insulate, Heat Shield	
43	1001223387	1	Insulate, Heat Shield	
44	1001117140	AR	Tape	
47	0940049	2	Stopper	
48	3311501	4	Nut	
49	1001159323	1	Decal - JLG	
50	1001113047	AR	Adhesive (Not Shown)	
51	1001250287	1	Bracket, Engine	
52	1001250289	1	Bracket, Tank	
53	1001243414	2	Bolt, U-Bolt	
54	3311601	8	Nut 3/8	
55	1001228406	2	Bolt, Carriage	
100	1001206403	1	Hood Kit (Not Shown - Includes Items 101 & 102)	
101	1001206404	1	Steel Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001206418	1	Steel Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

FIGURE 2-42. HOOD ASSEMBLY - ENGINE SIDE (ABS) (ANSI, ANSI EXPORT, CHINA & CSA SPECS)

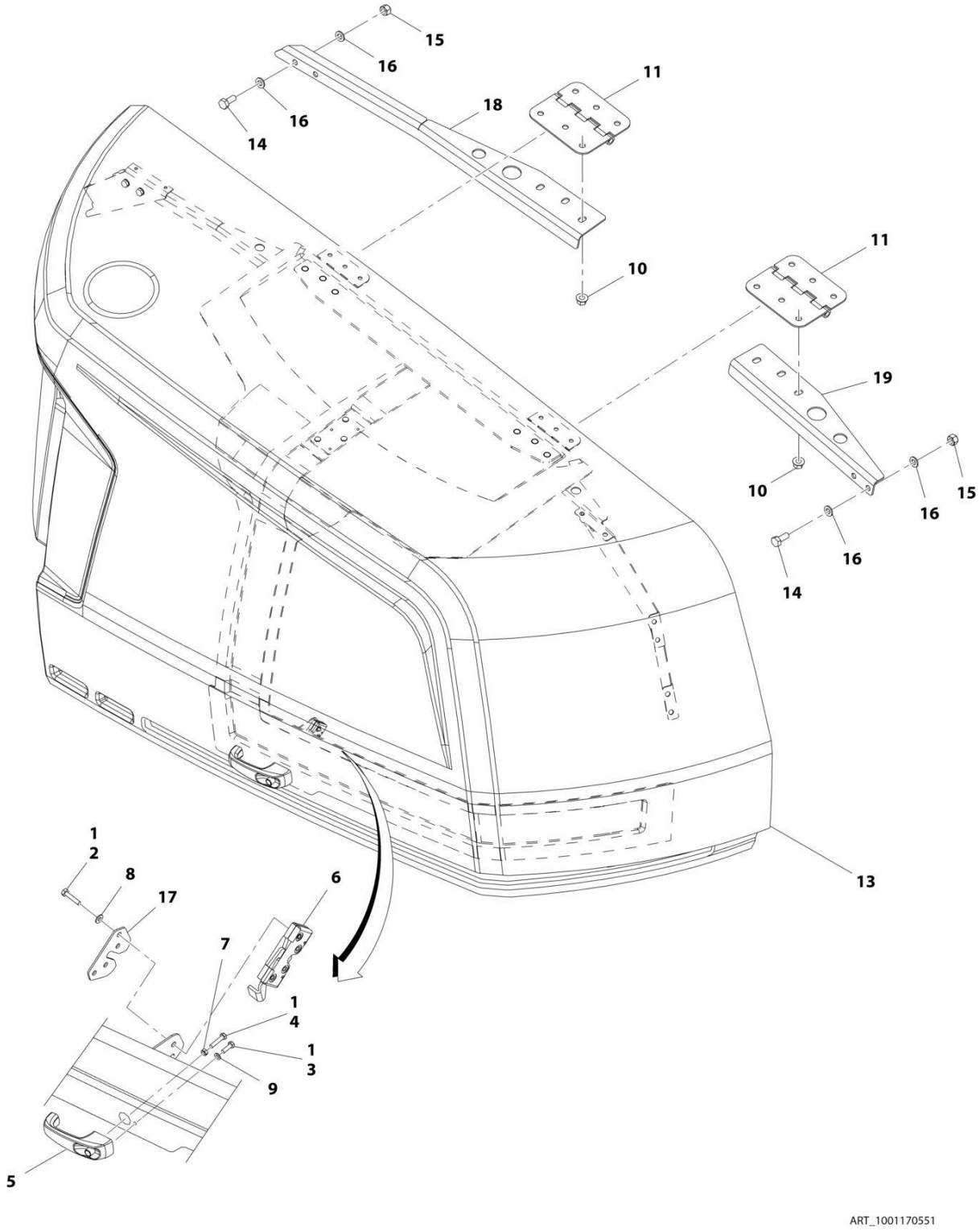


FIGURE 2-42. HOOD ASSEMBLY - ENGINE SIDE (ABS) (ANSI, ANSI EXPORT, CHINA & CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170551	Ref	HOOD ASSEMBLY - ENGINE SIDE	F
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760610	2	Bolt M6 x 20	
4	0760614	1	Bolt M6 x 30	
5	2560187	1	Handle, Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	4711400	4	Washer 1/4	
9	4811700	2	Washer M6	
10	5261018	6	Nut M10 Grade 10.9	
11	1001139384	2	Hinge	
13	See Note	NSS	Hood - Engine Side (Note: Purchase pn 1001170551)	
14	0761012	4	Bolt M10 x 25	
15	3291005	4	Nut M10	
16	4812000	8	Washer M10	
17	1001200458	1	Plate	
18	1001201636	1	Hood Support	
19	1001201635	1	Hood Support	

FIGURE 2-43. HOOD ASSEMBLY - ENGINE SIDE (ABS) (AUSTRALIAN & CE SPECS)

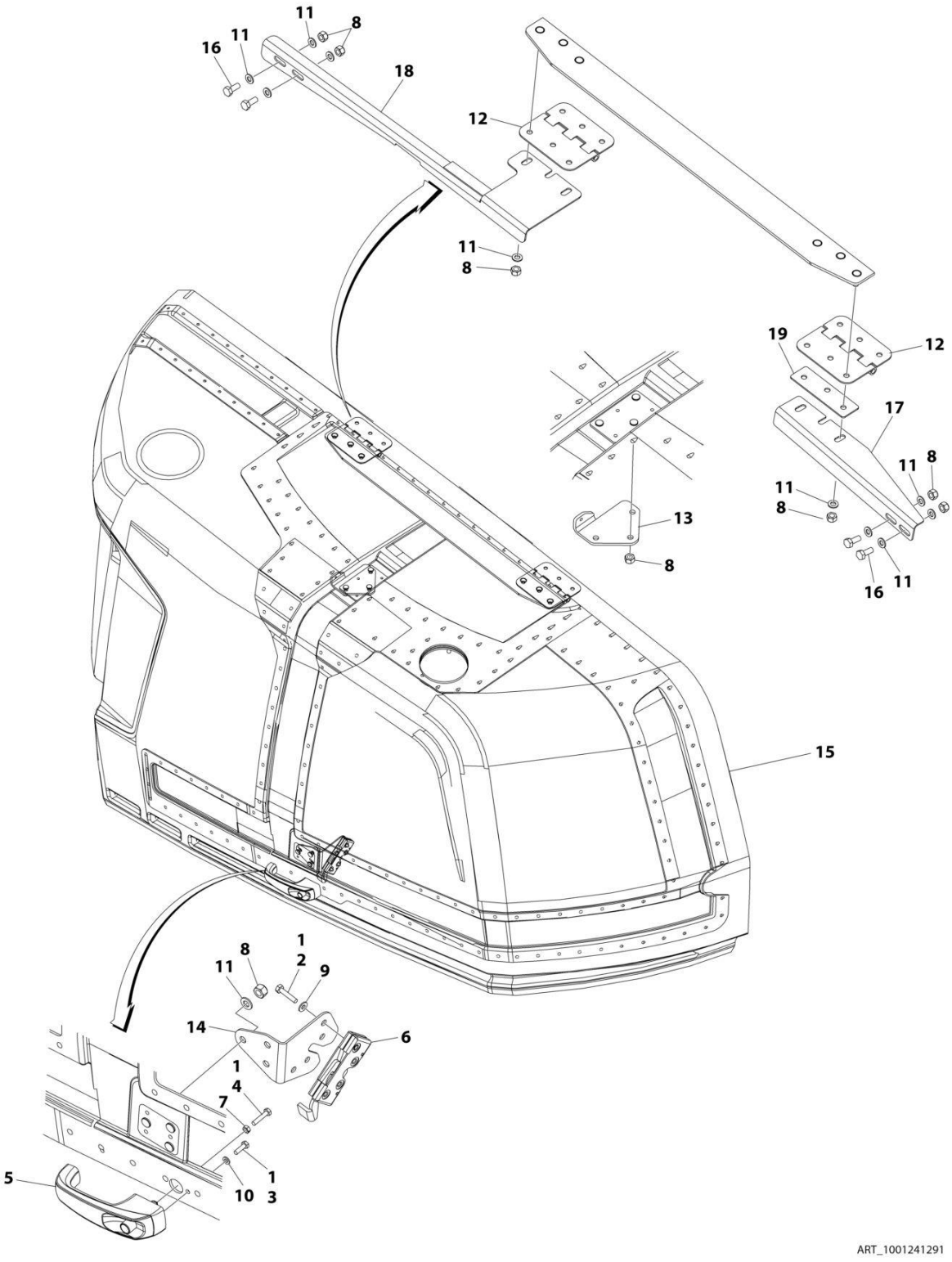


FIGURE 2-43. HOOD ASSEMBLY - ENGINE SIDE (ABS) (AUSTRALIAN & CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241291	Ref	HOOD ASSEMBLY - ENGINE SIDE	C
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760610	2	Bolt M6 x 20	
4	0760614	1	Bolt M6 x 30	
5	2560187	1	Handle, Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	3291005	16	Nut M10	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	4812000	17	Washer M10	
12	1001139384	2	Hinge - 6 holes	
12	1001259230	2	Hinge - 3 holes and 3 slotted holes	
13	1001178228	1	Bracket, Engine	
14	1001202830	1	Hood Support	
15	See Note	NSS	Hood (Note: Use p/n 1001241291)	
16	0761012	4	Bolt M10 x 25	
17	1001253892	1	Support	
18	1001253896	1	Support	
19	1001253903	1	Plate	

FIGURE 2-44. HOOD ASSEMBLY - ENGINE SIDE (STEEL)

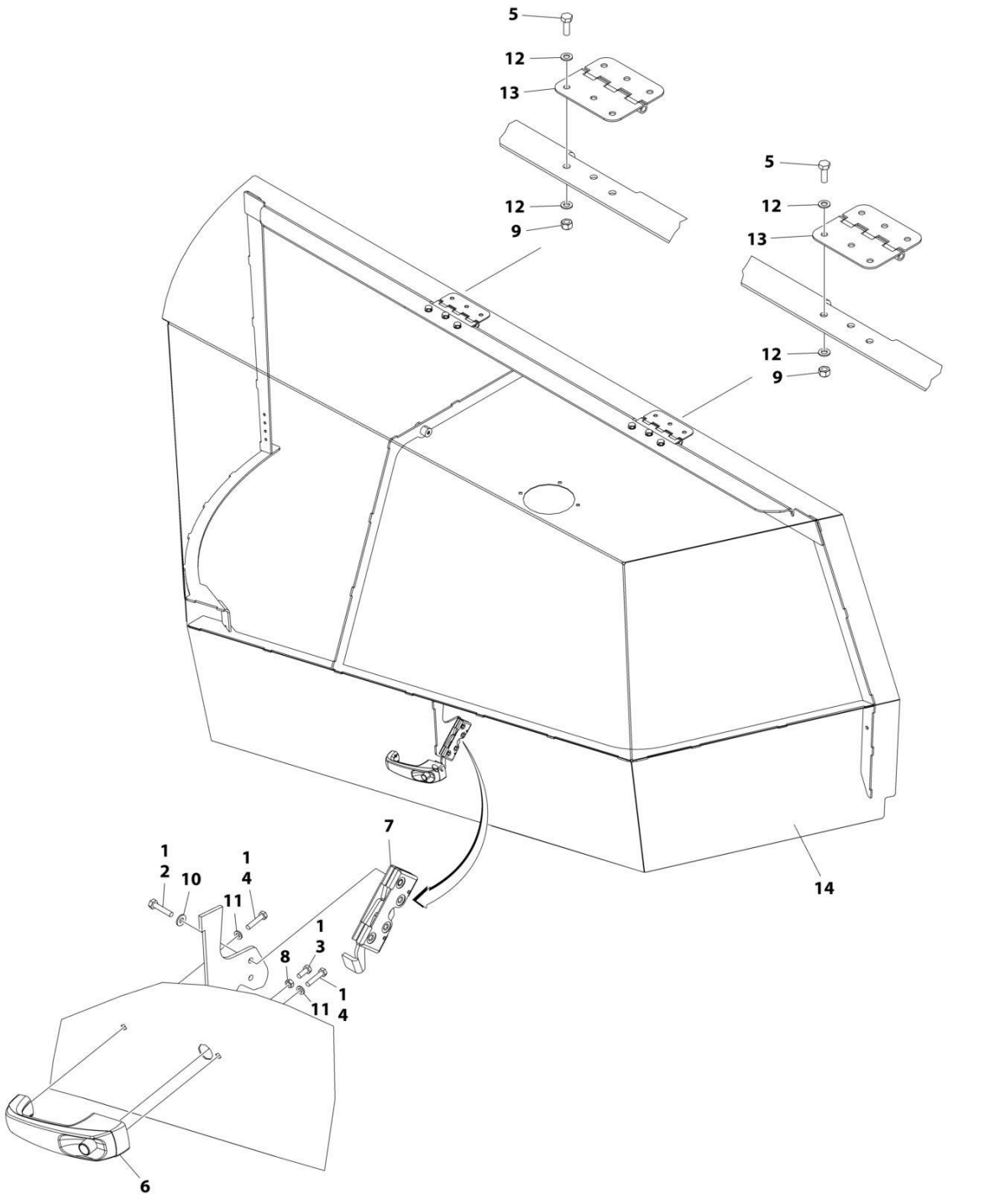


FIGURE 2-44. HOOD ASSEMBLY - ENGINE SIDE (STEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206404	Ref	STEEL HOOD ASSEMBLY - ENGINE SIDE	E
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760608	1	Bolt M6 x 16	
4	0760614	2	Bolt M6 x 30	
5	0761014	6	Bolt M10 x 30	
6	2560187	1	Handle, Push Button	
7	2940173	1	Latch, Rotary	
8	3290601	1	Nut M6	
9	3291005	6	Nut M10	
10	4711400	4	Washer 1/4	
11	4811700	2	Washer M6	
12	4812000	12	Washer M10	
13	1001139384	2	Hinge	
14	1001206405	1	Hood, Engine Side	

FIGURE 2-45. HOOD ASSEMBLY - TANK SIDE (ABS) (ANSI, ANSI EXPORT, CHINA & CSA SPECS)

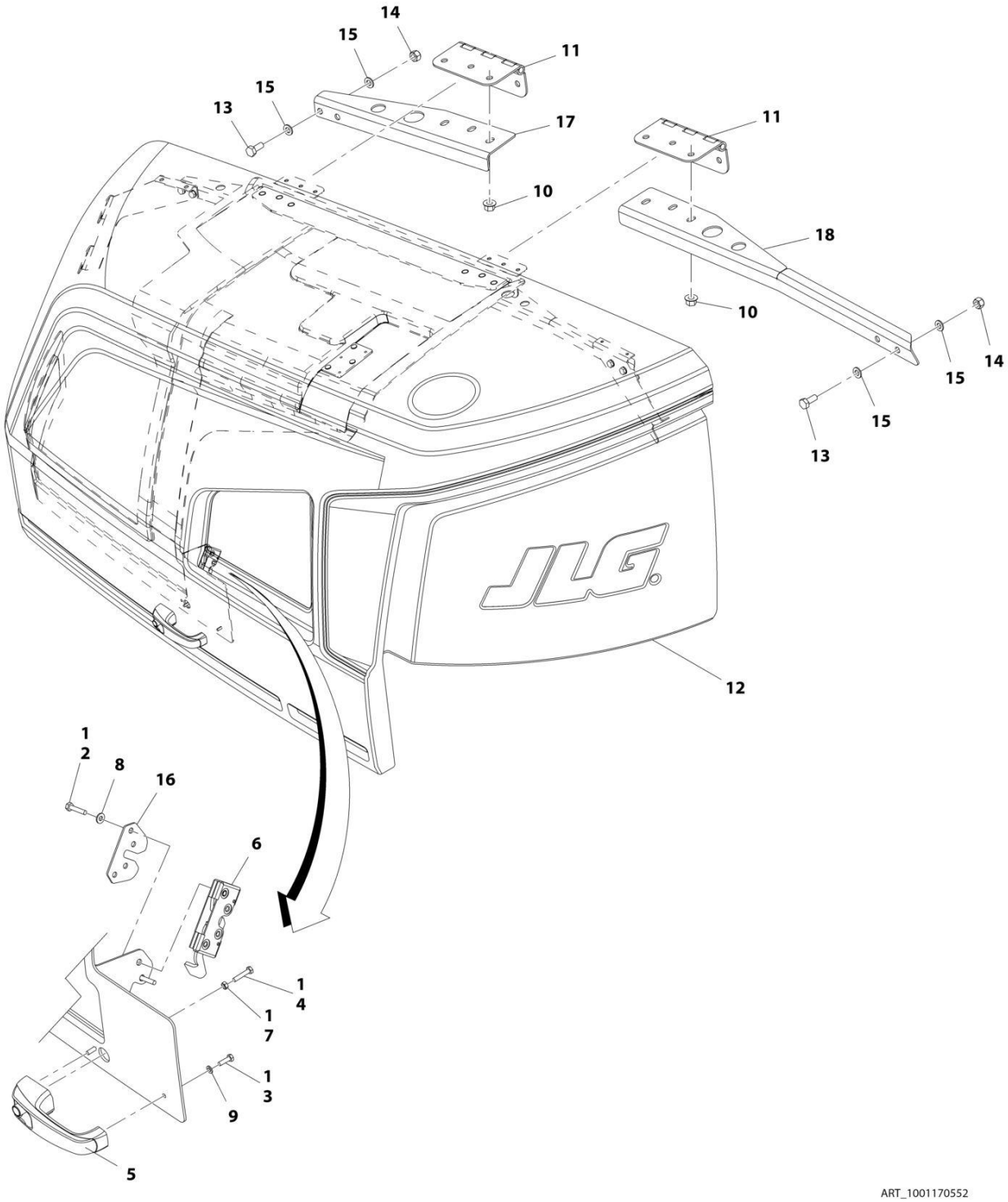


FIGURE 2-45. HOOD ASSEMBLY - TANK SIDE (ABS) (ANSI, ANSI EXPORT, CHINA & CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170552	Ref	HOOD ASSEMBLY - TANK SIDE	F
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760610	2	Bolt M6 x 20	
4	0760614	1	Bolt M6 x 30	
5	2560187	1	Handle, Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	4711400	4	Washer 1/4	
9	4811700	2	Washer M6	
10	5261018	6	Nut M10 Grade 10.9	
11	1001139384	2	Hinge	
12	See Note	NSS	Hood (Note: Use PN 1001170552)	
13	0761012	4	Bolt M10 x 25	
14	3291005	4	Nut M10	
15	4812000	8	Washer M10	
16	1001200458	AR	Plate	
17	1001201633	1	Hood Support	
18	1001201634	1	Hood Support	

FIGURE 2-46. HOOD ASSEMBLY - TANK SIDE (ABS) (AUSTRALIAN & CE SPECS)

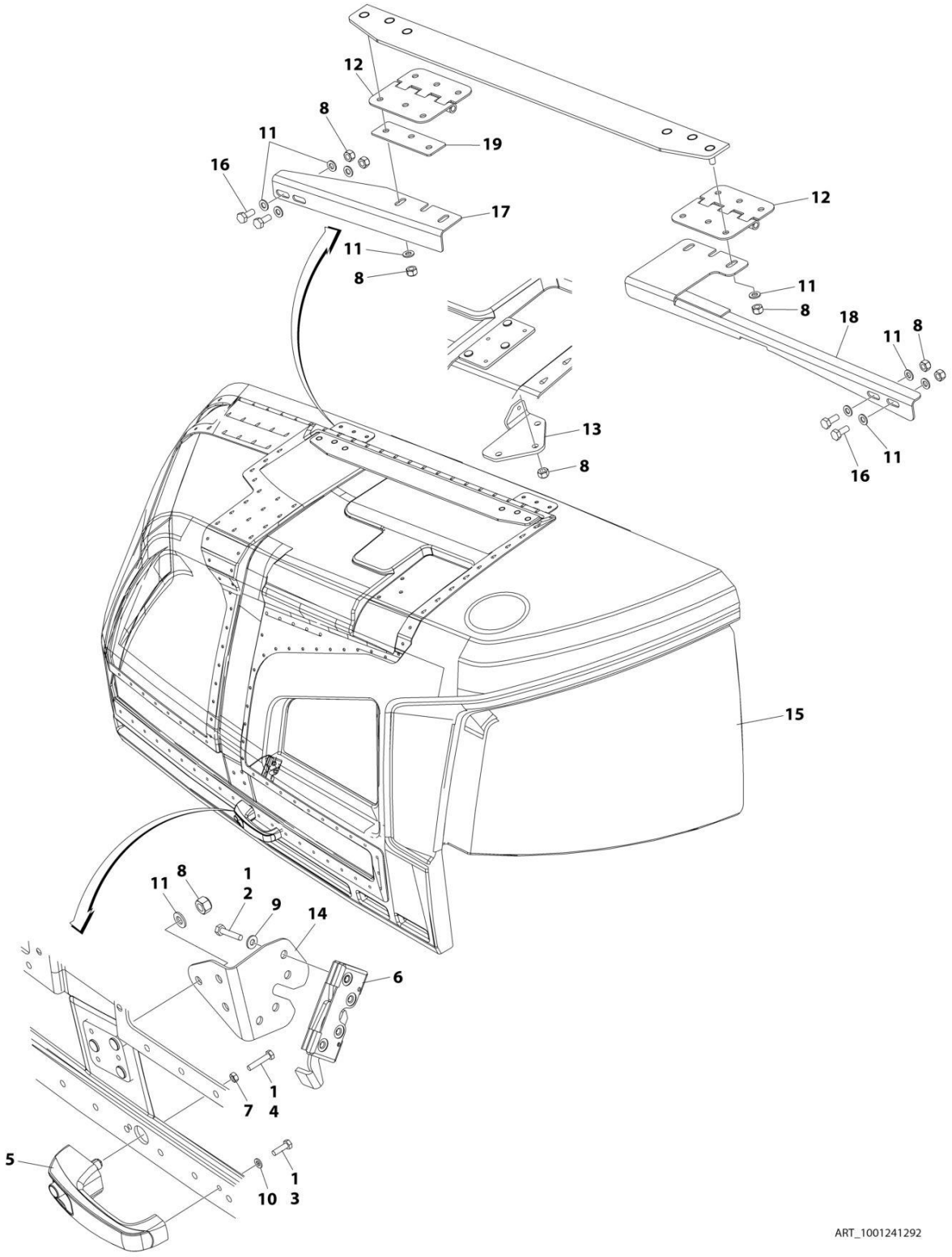


FIGURE 2-46. HOOD ASSEMBLY - TANK SIDE (ABS) (AUSTRALIAN & CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241292	Ref	HOOD ASSEMBLY - TANK SIDE	C
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760610	2	Bolt M6 x 20	
4	0760614	1	Bolt M6 x 30	
5	2560187	1	Handle, Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	3291005	16	Nut M10	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	4812000	17	Washer M10	
12	1001139384	2	Hinge - 6 holes	
12	1001259230	2	Hinge - 3 holes and 3 slotted holes	
13	1001170475	1	Bracket, Engine	
14	1001202831	1	Hood Support	
15	See Note	NSS	Hood (Note: Use PN 1001241292)	
16	0761012	4	Bolt M10 x 25	
17	1001253893	1	Support	
18	1001253897	1	Support	
19	1001253903	1	Plate	

FIGURE 2-47. HOOD ASSEMBLY - TANK SIDE (STEEL)

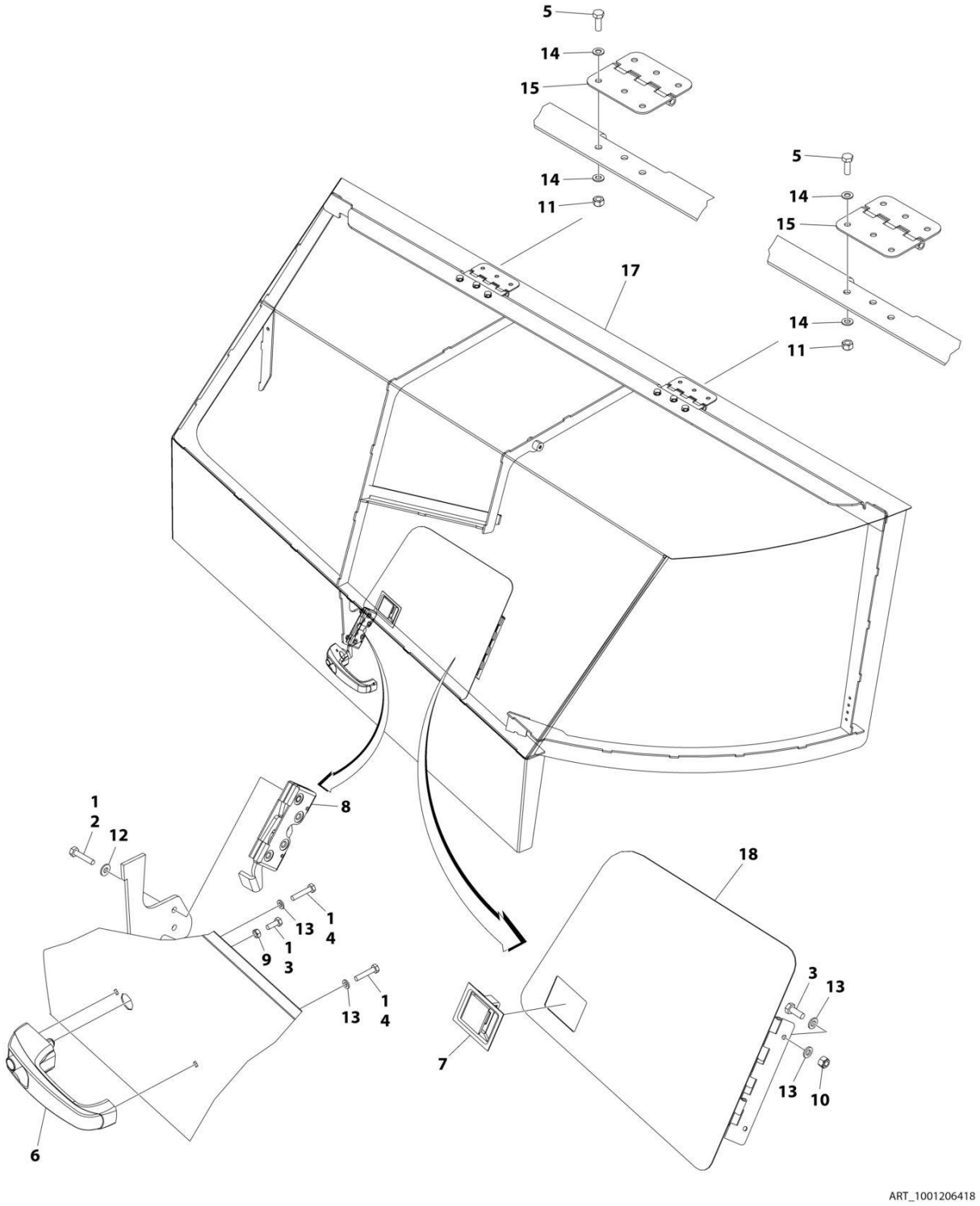


FIGURE 2-47. HOOD ASSEMBLY - TANK SIDE (STEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206418	Ref	STEEL HOOD ASSEMBLY - TANK SIDE	F
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760608	3	Bolt M6 x 16	
4	0760614	2	Bolt M6 x 30	
5	0761014	6	Bolt M10 x 30	
6	2560187	1	Handle, Push Button	
7	2940045	1	Latch, Paddle	
8	2940173	1	Latch, Rotary	
9	3290601	1	Nut M6	
10	3290605	2	Nut M6	
11	3291005	6	Nut M10	
12	4711400	4	Washer 1/4	
13	4811700	6	Washer M6	
14	4812000	12	Washer M10	
15	1001139384	2	Hinge	
17	See Note	NSS	Hood - Tank Side (Note: Use PN 1001206418)	
18	1001207726	1	Door, Ground Control Panel	

FIGURE 2-48. SOUND REDUCTION INSTALLATION (STEEL HOODS)

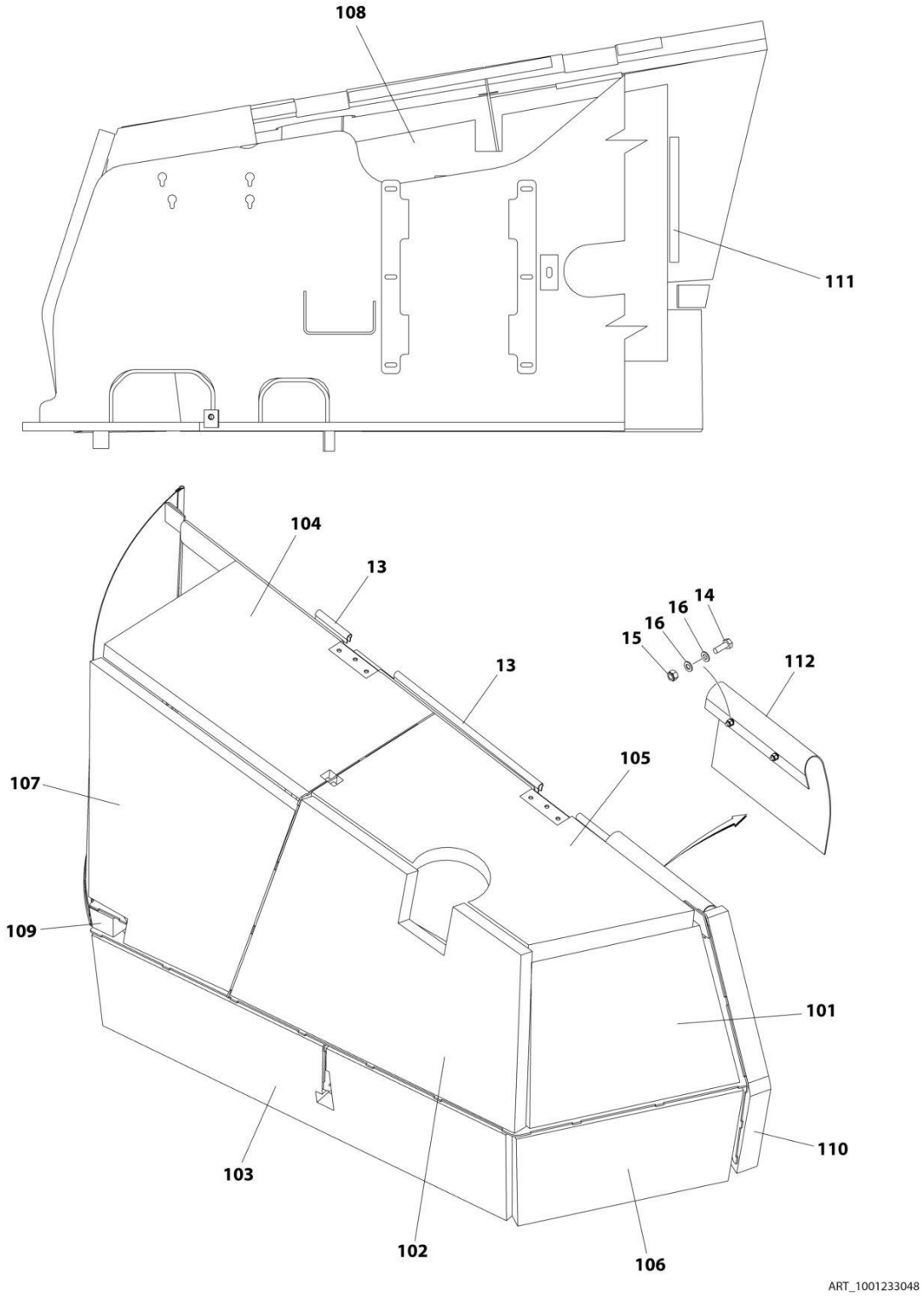


FIGURE 2-48. SOUND REDUCTION INSTALLATION (STEEL HOODS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233048	Ref	SOUND REDUCTION INSTALLATION	C
13	3960389	11 ft/ 3.4m	Flex-Trim	
14	0761014	2	Bolt M10 x 30	
15	3291005	2	Nut M10	
16	4812000	4	Washer M10	
100	1001237549	Ref	Sound Insulation Kit (Includes Item 101-112)	
101	1001232907	1	Shield, Sound	
102	1001232908	1	Shield, Sound	
103	1001232913	1	Shield, Sound	
104	1001232915	1	Shield, Sound	
105	1001232916	1	Shield, Sound	
106	1001232917	1	Shield, Sound	
107	1001233075	1	Shield, Sound	
108	1001233076	1	Shield, Sound	
109	1001233077	1	Shield, Sound	
110	1001233412	1	Shield, Sound	
111	1001233413	2	Shield, Sound	
112	1001233436	1	Baffle Rubber	

FIGURE 2-49. TURNTABLE COVERS INSTALLATION

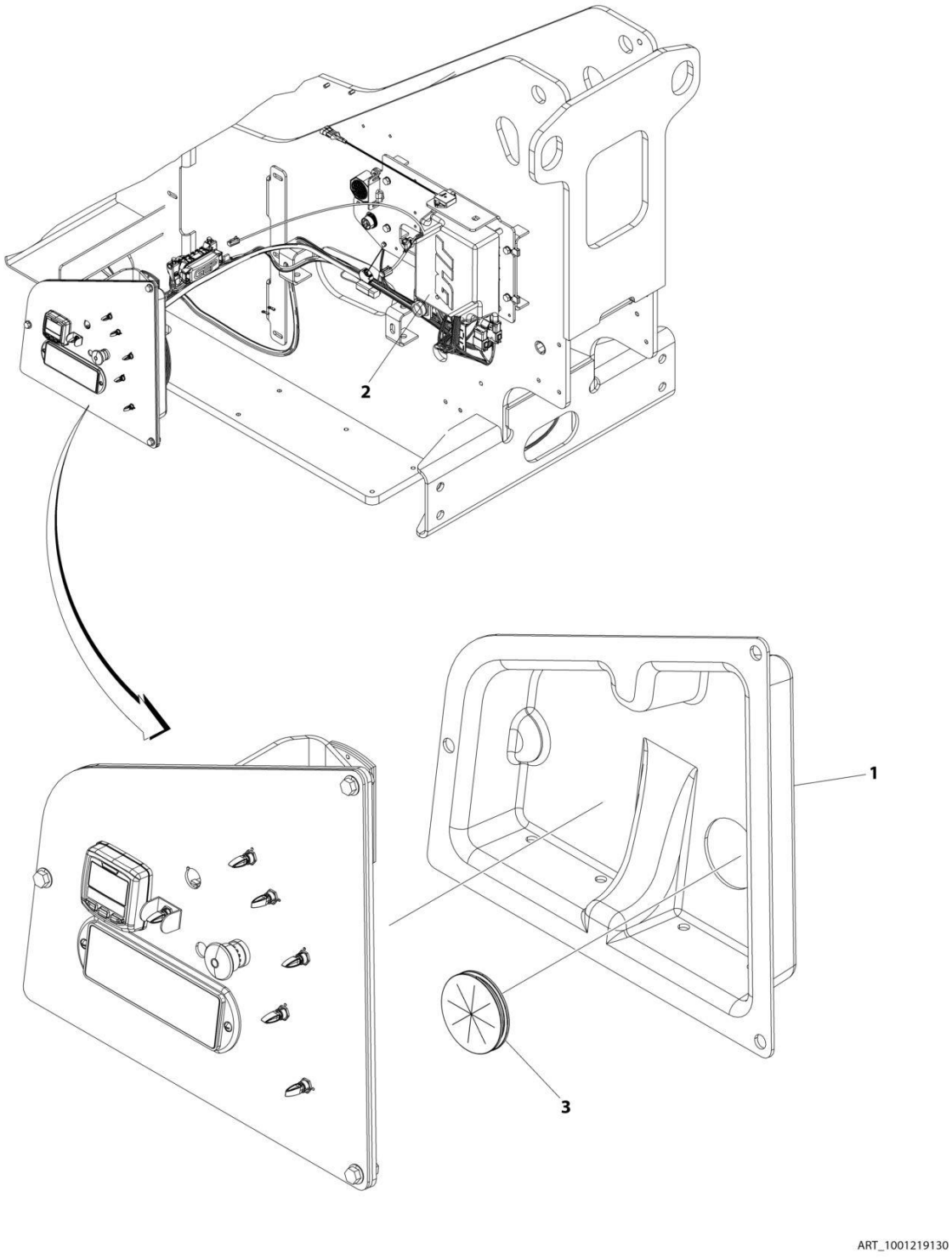
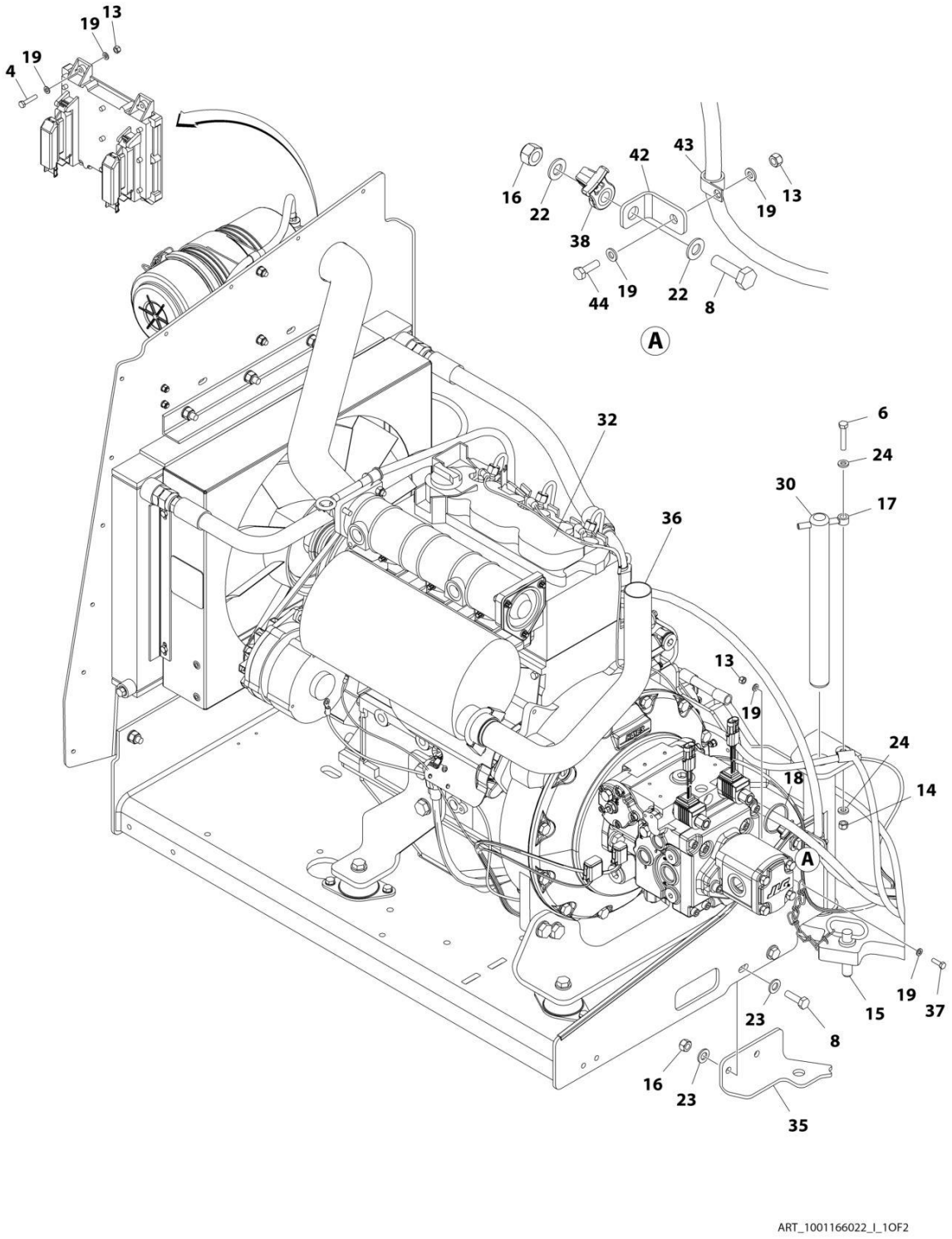


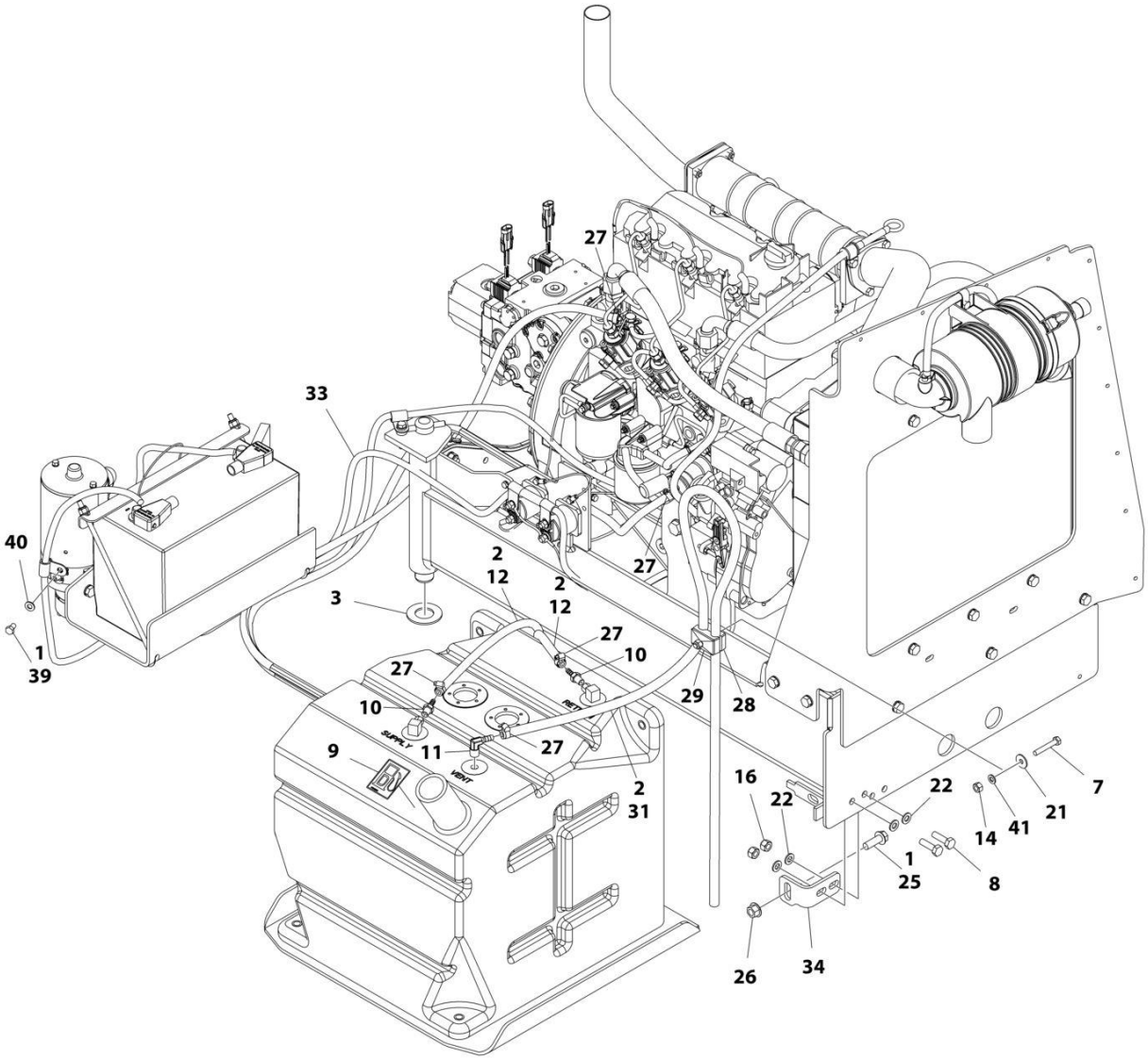
FIGURE 2-49. TURNTABLE COVERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219130	Ref	TURNTABLE COVERS INSTALLATION	C
1	1001246087	1	Cover, Control Panel	
2	1001218538	1	Cover, Controller	
3	1001218676	1	Grommet	

SECTION 3 - ENGINE

FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)





ART_1001166022_I_2OF2

FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166022	Ref	ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE)	I
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
6	0700817	1	Bolt M8 x 45	
7	0700821	1	Bolt M8 x 65	
8	0761015	5	Bolt M10 x 35	
9	1701505	1	Decal - Diesel Fuel	
10	2180348	2	Fitting, Barbed	
11	2220313	1	Fitting, Barbed 90	
12	2720058	17 ft / 5.18m	Hose	
13	3290605	6	Nut M6	
14	3290805	2	Nut M8	
15	3422532	1	Pin	
16	3291005	5	Nut M10	
17	3841143	1	Pin	
18	4240099	AR	Tie-Strap	
19	4811700	12	Washer M6	
21	4811902	1	Washer M8	
22	4812000	6	Washer M10	
23	4812100	4	Washer M12	
24	5240800	2	Washer M8	
25	5251215	1	Bolt M12 x 35	
26	5261200	1	Nut, M12 Class10	
27	8405009	5	Clamp	
28	1320187	1	Clamp	
29	1320190	1	Clamp	
30	1001135196	1	Pin	
31	2750532	6 ft/ 1.83m	Hose	
32	1001166021	1	Engine and Pump Sub-Assembly - Deutz D2011 (See Separate Breakdown in this Section)	
33	1001167038	1	Battery Cable Kit	F
33	70009004	1	Cable, Battery (Black) (Battery Negative, Auxiliary Power Pump, Turntable Ground to Engine Ground)	
33	70009005	1	Cable, Battery (Red) (Battery Positive, Auxiliary Power Relay, Starter Relay to Starter)	
33	70009002	1	Cable, Battery (Red) (Auxiliary Power Relay to Auxiliary Power Pump)	
34	1001167512	1	Bracket, Engine	
35	1001169823	1	Plate, Engine Lock	
36	1001172195	1	Pipe, Exhaust	
37	0760610	1	Bolt M6 x 20	
38	1001156107	1	Holder, Cable	
39	0641504	1	Bolt 5/16 x 1/2	
40	4711500	1	Washer 5/16	
41	4811900	AR	Washer M8	
42	1001148641	1	Bracket, Clamp Mounting	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1320224	1	Clamp, Cable	
44	0700610	1	Bolt M6 x 20	

FIGURE 3-2. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

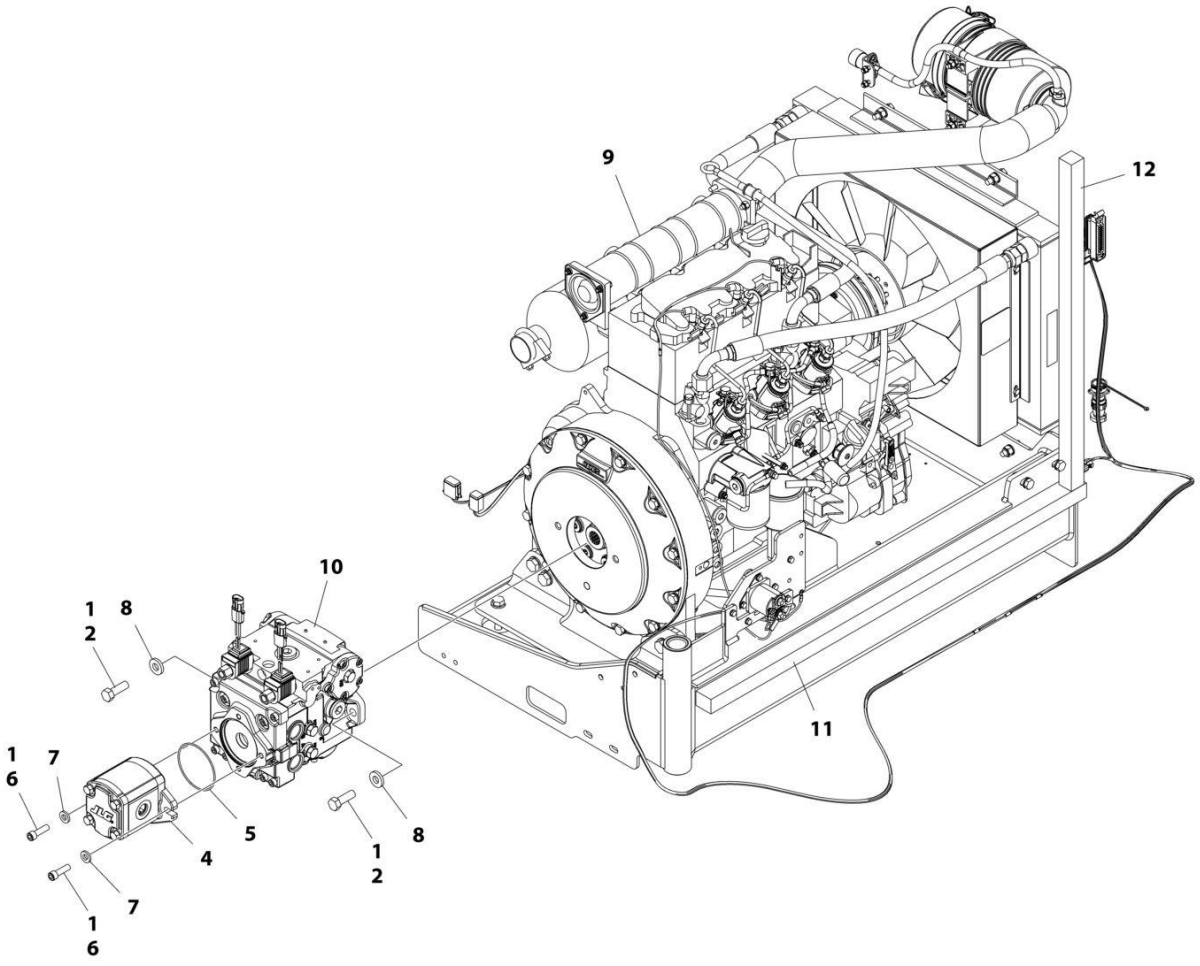
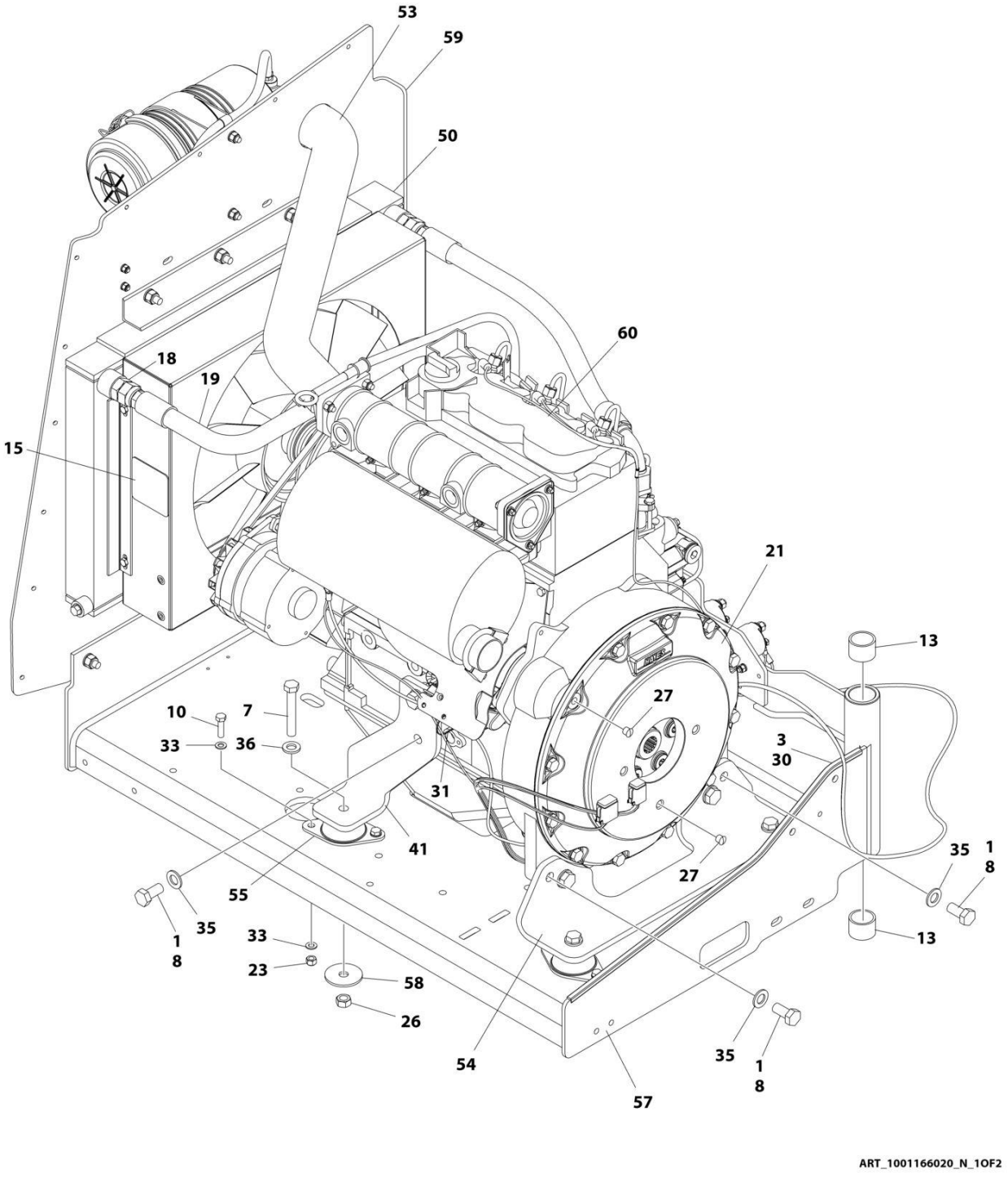
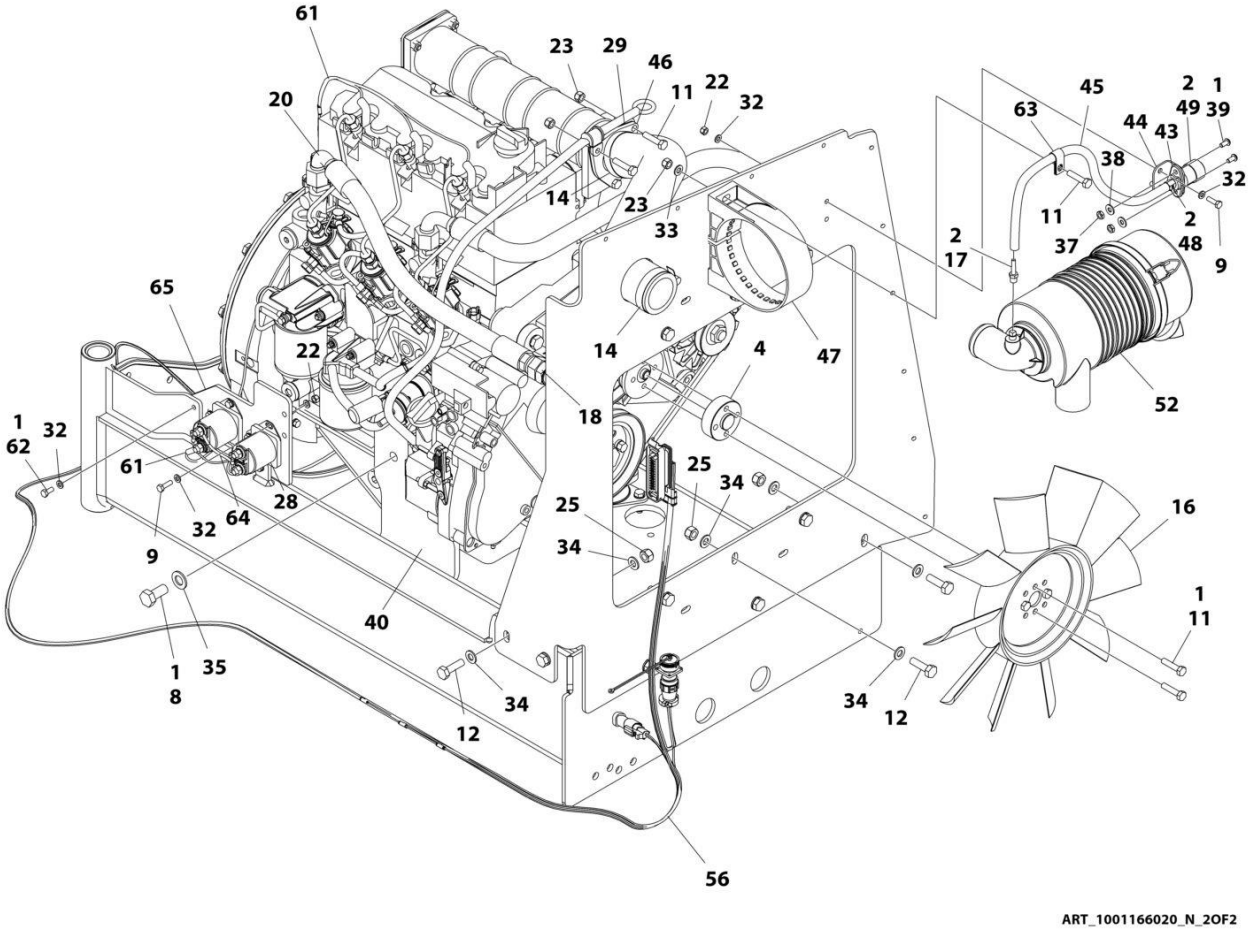


FIGURE 3-2. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166021	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITHOUT ARCTIC PACKAGE)	G
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
4	1001214207	1	Gear Pump Assembly	
4	70006356	1	Seal Kit	
5	3790152	1	O-Ring	
6	3931618	2	Capscrew 3/8 x 1-1/8	
7	4891600	2	Washer 3/8 Hardened	
8	4891800	2	Washer 1/2 Hardened	
9	1001166020	1	Engine Assembly - Deutz D2011 Engine (Without Arctic Package) (See Separate Breakdown in this Section)	
10	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
11	1001171953	1	Seal	
12	1001171954	1	Seal	

FIGURE 3-3. DEUTZ D2011 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)





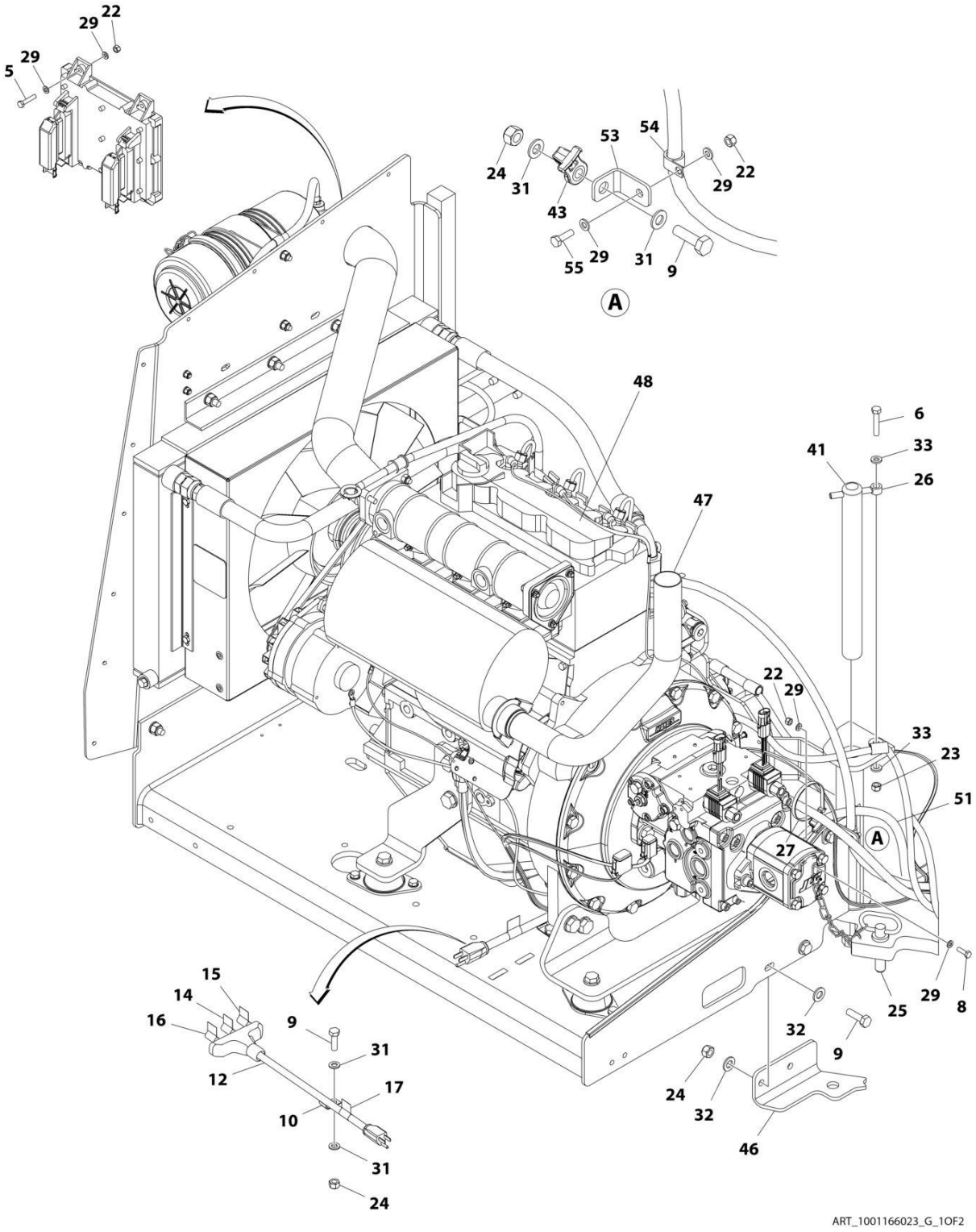
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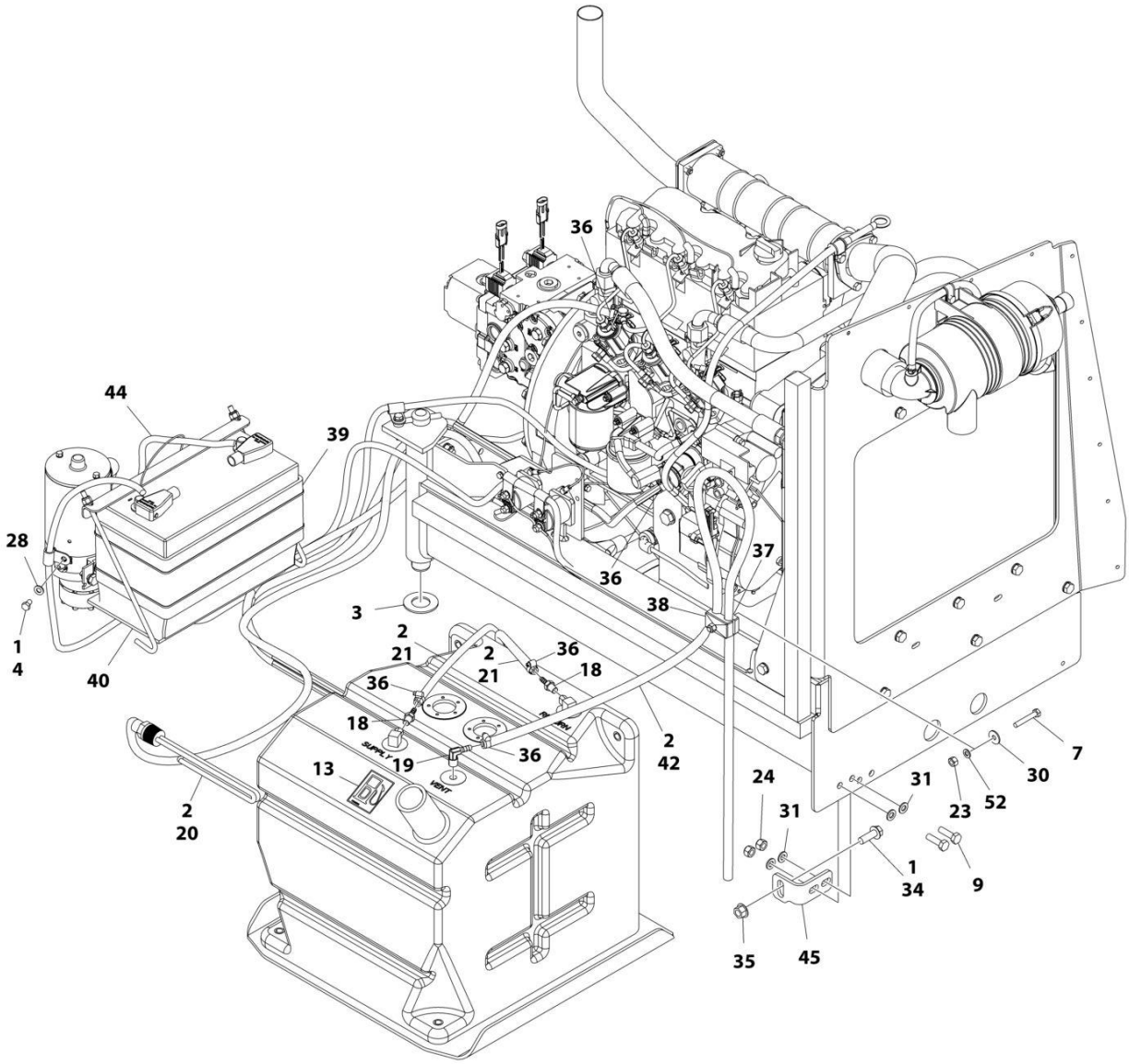
FIGURE 3-3. DEUTZ D2011 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166020	Ref	ENGINE ASSEMBLY - DEUTZ D2011 ENGINE	N
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0080231	1	Spacer, Fan	
7	0711224	4	Bolt M12 x 80 Grade 10.9	
8	0771414	8	Bolt M14 x 30 Grade 10.9	
9	0760610	6	Bolt M6 x 20	
10	0760814	8	Bolt M8 x 30	
11	0760815	9	Bolt M8 x 35	
12	0761015	11	Bolt M10 x 35	
13	0961951	2	Bushing	
14	1320016	2	Clamp	
15	1703162	2	Decal - Caution Fan	
16	2060025	1	Fan	
17	2220315	1	Fitting, Barbed	
18	2220451	2	Fitting, Straight JIC/ORB	
19	2720398	1	Hose	
20	2720447	1	Hose	
21	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
22	3290605	6	Nut M6 x 1	
23	3290805	13	Nut M8 x 1-1/4	
25	3291005	11	Nut M10 x 1-1/2	
26	3331215	4	Nut M12 x 1-3/4	
27	3520054	2	Plug	
28	3740067	2	Relay Assembly	
28	3300220	2	Nut	
28	3321001	1	Nut #10	
28	3740140	1	Relay	
28	4761000	1	Washer #10	
28	1001111424	2	Washer	
29	3960407	1	Gasket	
30	4060805	2.25 ft/ 0.69m	Trim-Flex	
31	4240099	AR	Tie-Strap	
32	4811700	15	Washer M6	
33	4811900	20	Washer M8	
34	4812000	22	Washer M10	
35	4812200	8	Washer M14	
36	5241200	4	Washer M12	
37	8305401	2	Nut, Jam	
38	8307109	2	Washer, .250	
39	8310548	2	Screw 1/4 x 1/2	
40	1001132195	1	Bracket, Engine Mount	
41	1001132196	1	Bracket, Engine Mount	
43	1001138173	1	Support, Service Indicator	
44	1001138175	1	Bracket, Service Indicator	
45	1001138248	2 ft/ 0.61m	Tube	
46	1001139819	1	Adapter, Air Intake	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001141694	1	Clamp, Air Cleaner	
48	1001141995	1	Fitting, Barbed	
49	1001143390	1	Indicator	
50	1001150998	1	Radiator	
52	1001165388	1	Air Cleaner Assembly	
52	70003783	1	Element, Air Cleaner	
53	1001165389	1	Hose	
54	1001166717	1	Bracket, Engine Mount	
55	1001166718	4	Isolator, Engine Mount	
56	1001167111	1	Harness Engine - Deutz D2011 (See Separate Breakdown in ELECTRICAL SECTION)	
57	1001167520	1	Tray, Engine	
58	1001168018	4	Washer, Snubbing	
59	1001168059	1	Plate, Radiator Mounting	
60	1001170693	1	Engine, Deutz D2011 (See Separate Breakdown in this Section)	
61	4923451	1	Harness, Glow Plugs	
62	0760614	3	Bolt M6 x 30	
63	8406109	1	Clip	
64	1001178859	1	Cable, Alternator	
65	1001214975	1	Bracket	

FIGURE 3-4. DEUTZ D2011 ENGINE INSTALLATION (WITH ARCTIC PACKAGE)





ART_1001166023_G_2OF2

FIGURE 3-4. DEUTZ D2011 ENGINE INSTALLATION (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166023	Ref	ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE)	G
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700614	4	Bolt M6 x 30	
6	0700817	1	Bolt M8 x 45	
7	0700821	1	Bolt M8 x 65	
8	0760610	1	Bolt M6 x 20	
9	0761015	6	Bolt M10 x 35	
10	1320223	1	Clip	
12	1060626	1	Plug, 3 Way	
13	1701505	1	Decal - Diesel Fuel	
14	1702941	1	Decal - Battery Heater	
15	1702942	1	Decal - Engine Block Heater	
16	1702943	1	Decal - Hydraulic Tank Heater	
17	1702944	1	Decal - Heater Cord	
18	2180348	2	Fitting, Barbed	
19	2220313	1	Fitting, Barbed 90	
20	1001188972	1	Heater, Hydraulic Tank	
21	2720058	17 ft / 5.18m	Hose	
22	3290605	6	Nut M6 x 1	
23	3290805	2	Nut M8	
24	3291005	6	Nut M10	
25	3422532	1	Pin	
26	3841143	1	Keeper, Pin	
27	4240099	AR	Tie-Strap	
28	4711500	1	Washer 5/16	
29	4811700	12	Washer M6	
30	4811902	1	Washer M8	
31	4812000	8	Washer M10	
32	4812100	4	Washer M12	
33	5240800	2	Washer M8	
34	5251215	1	Bolt M12 x 35	
35	5261200	1	Nut M12	
36	8405009	5	Clamp	
37	1320187	1	Clamp	
38	1320190	1	Clamp	
39	2580024	1	Heater, Battery	
40	1001119278	1	Insulate	
41	1001135196	1	Pin	
42	2750532	6 ft/ 1.83m	Hose	
43	1001156107	1	Holder, Cable	
44	1001167038	1	Battery Cable Kit	
44	70009004	1	Cable, Battery (Black) (Battery Negative, Auxiliary Power Pump, Turntable Ground to Engine Ground)	
44	70009005	1	Cable, Battery (Red) (Battery Positive, Auxiliary Power Relay, Starter Relay to Starter)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	70009002	1	Cable, Battery (Red) (Auxiliary Power Relay to Auxiliary Power Pump)	
45	1001167512	1	Bracket, Engine	
46	1001169823	1	Plate, Engine Lock	
47	1001172195	1	Pipe, Exhaust	
48	1001174784	1	Engine and Pump Sub-Assembly - Deutz D2011(See Separate Breakdown in this Section)	
51	1001150918	1	Cable, Extension Cord	
52	4811900	1	Washer M8	
53	1001148641	1	Bracket, Clamp Mounting	
54	1320224	1	Clamp, Cable	
55	0700610	1	Bolt M6 x 20	

FIGURE 3-5. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

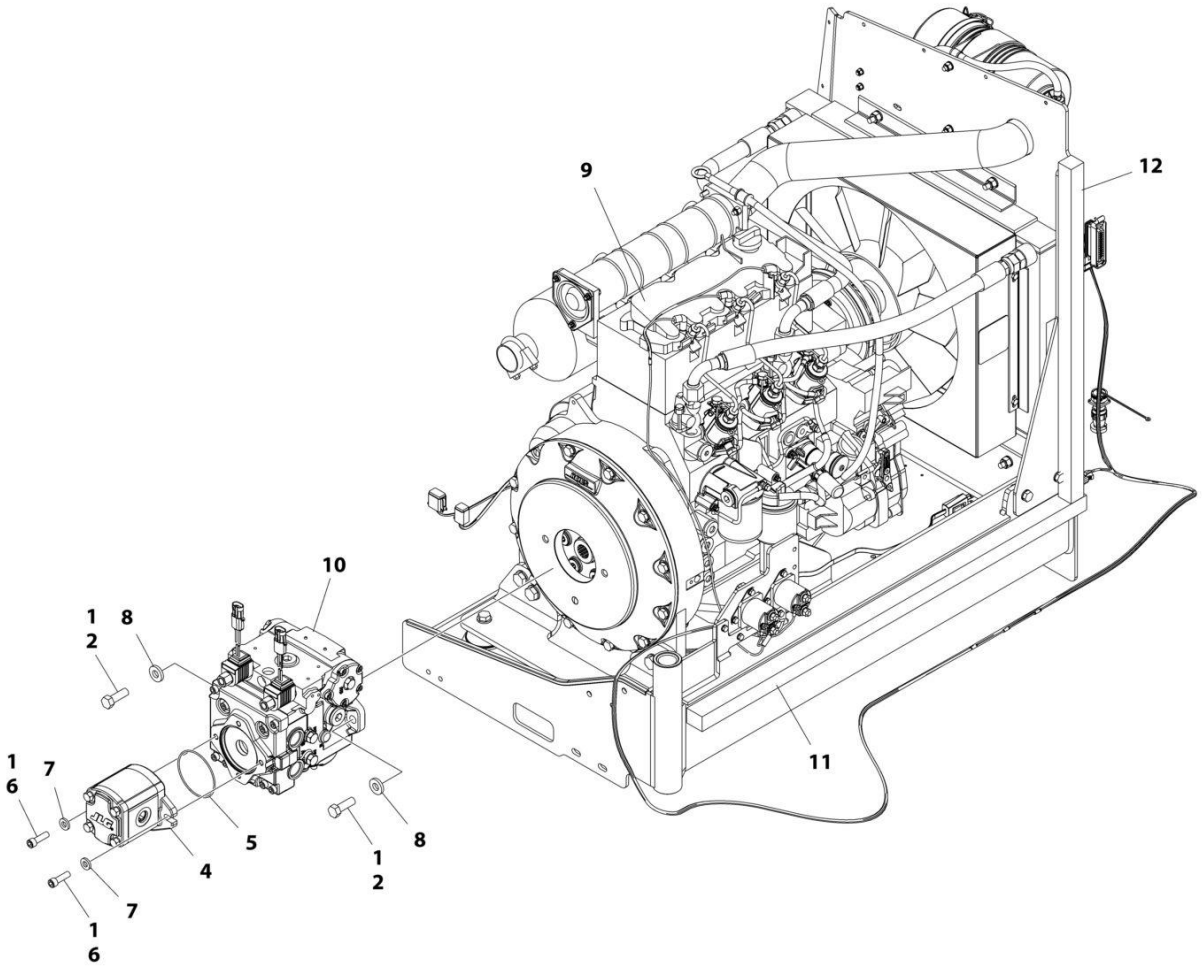
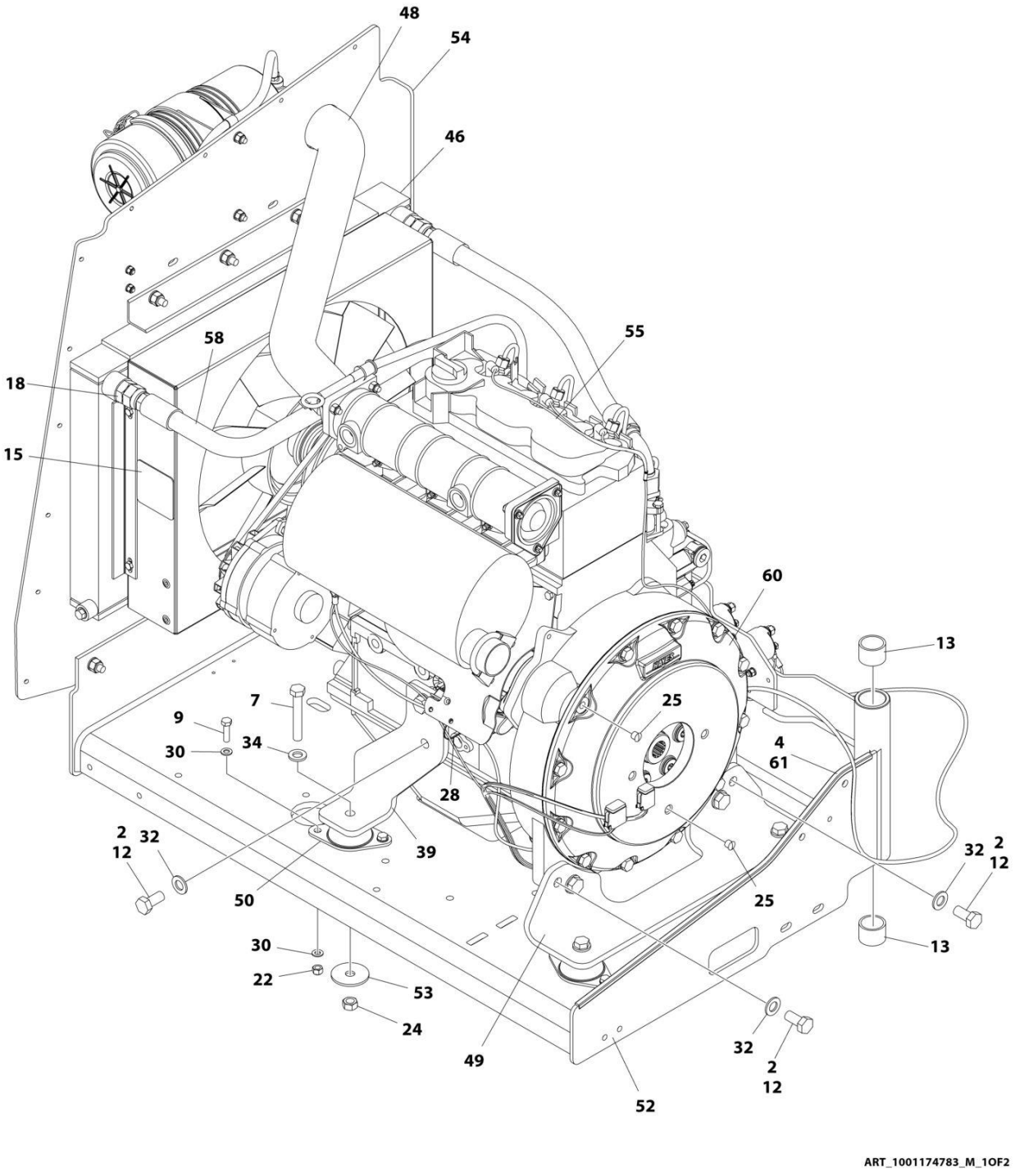
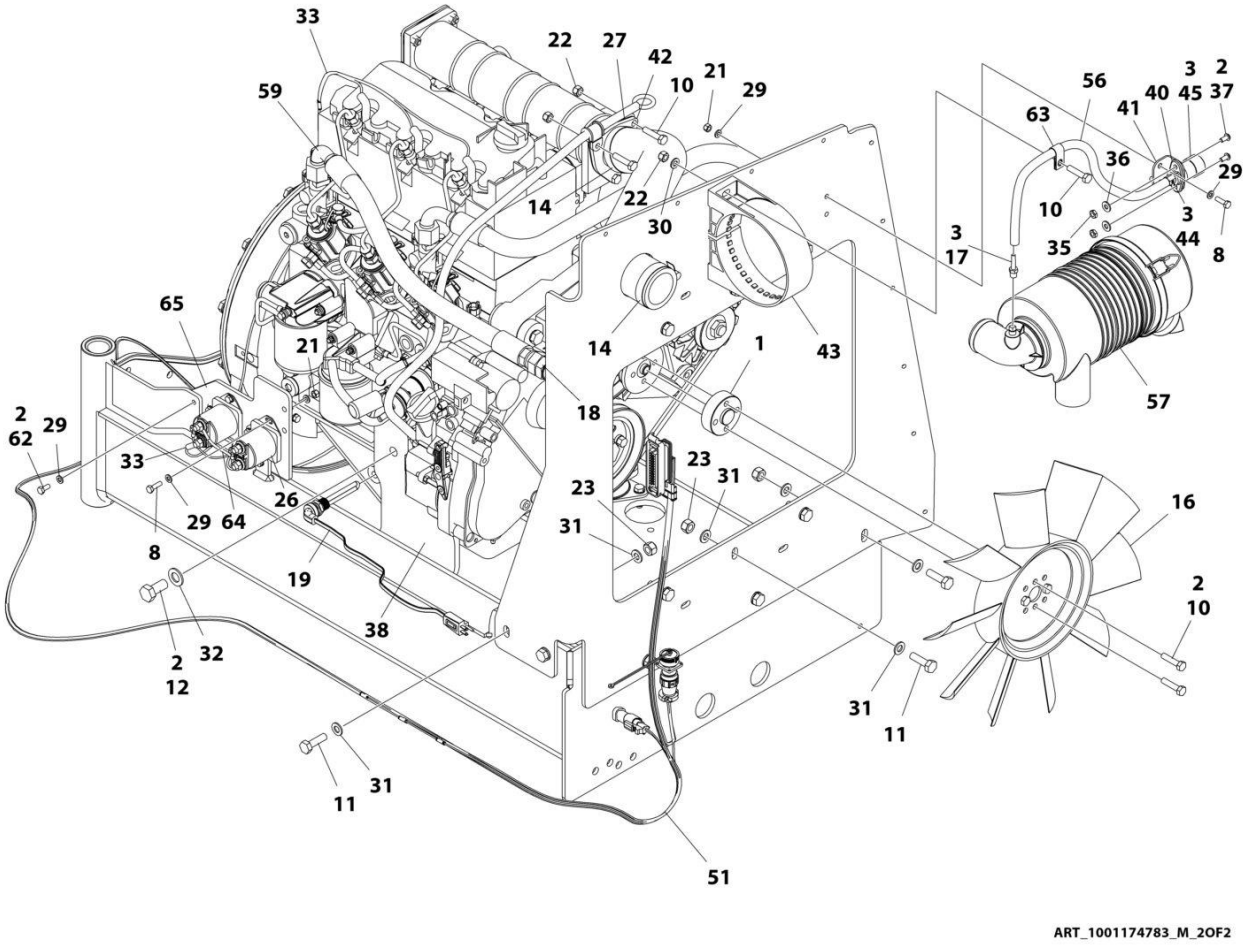


FIGURE 3-5. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174784	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITH ARCTIC PACKAGE)	G
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
4	1001214207	1	Gear Pump Assembly	
4	70006356	1	Seal Kit - 1001214207 Pump	
5	3790152	1	O-Ring	
6	3931618	2	Capscrew 3/8 x 1 1/8	
7	4891600	2	Washer 3/8 Hardened	
8	4891800	2	Washer 1/2 Hardened	
9	1001174783	1	Engine Assembly - Deutz D2011 Engine (With Arctic Package) (See Separate Breakdown in this Section)	
10	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
11	1001171953	1	Seal	
12	1001171954	1	Seal	

FIGURE 3-6. DEUTZ D2011 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)





ART_1001174783_M_2OF2

FIGURE 3-6. DEUTZ D2011 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174783	Ref	ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE)	M
1	0080231	1	Spacer, Fan	
2	0100011	AR	Compound, Locking	
3	0100020	AR	Sealant, Pipe	
4	0100081	AR	Adhesive	
7	0711224	4	Bolt M12 x 80 Grade 10.9	
8	0760610	6	Bolt M6 x 20	
9	0760814	8	Bolt M8 x 30	
10	0760815	9	Bolt M8 x 35	
11	0761015	11	Bolt M10 x 35	
12	0771414	8	Bolt M14 x 30 Grade 10.9	
13	0961951	2	Bushing	
14	1320016	2	Clamp	
15	1703162	2	Decal - Caution Fan	
16	2060025	1	Fan	
17	2220315	1	Fitting, Barbed	
18	2220451	2	Fitting, Straight JIC/ORB	
19	2580062	1	Heater, Engine Block	
21	3290605	6	Nut M6	
22	3290805	13	Nut M8	
23	3291005	11	Nut M10	
24	3331215	4	Nut M12	
25	3520054	2	Plug	
26	3740067	2	Relay Assembly	
26	3300220	2	Nut	
26	3321001	1	Nut #10	
26	3740140	1	Relay	
26	4761000	1	Washer #10	
26	1001111424	2	Washer	
27	3960407	1	Gasket	
28	4240099	AR	Tie-Strap (Not Shown)	
29	4811700	15	Washer M6	
30	4811900	20	Washer M8	
31	4812000	22	Washer M10	
32	4812200	8	Washer M14	
33	4923451	1	Harness, Glow Plugs	
34	5241200	4	Washer M12	
35	8305401	2	Nut, Jam	
36	8307109	2	Washer	
37	8310548	2	Screw 1/4 x 1/2	
38	1001132195	1	Bracket, Engine Mount	
39	1001132196	1	Bracket, Engine Mount	
40	1001138173	1	Support, Service Indicator	
41	1001138175	1	Bracket, Service Indicator	
42	1001139819	1	Adapter, Air Intake	
43	1001141694	1	Clamp, Air Cleaner	
44	1001141995	1	Fitting, Barbed	
45	1001143390	1	Indicator	
46	1001150998	1	Radiator	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001165389	1	Hose	
49	1001166717	1	Bracket, Engine Mount	
50	1001166718	4	Isolator, Engine Mount	
51	1001167111	1	Harness Engine - Deutz D2011 (See Separate Breakdown in ELECTRICAL SECTION)	
52	1001167520	1	Tray, Engine	
53	1001168018	4	Washer, Snubbing	
54	1001168059	1	Plate, Radiator Mounting	
55	1001170693	1	Engine, Deutz D2011 (See Separate Breakdown in this Section)	
56	1001138248	2 ft/ 0.61m	Tube	
57	1001165388	1	Air Cleaner Assembly	
57	70003783	1	Element, Air Cleaner	
58	2720398	1	Hose	
59	2720447	1	Hose	
60	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
61	4060805	2.25 ft/ 0.69m	Flex-Trim	
62	0760614	3	Bolt M6 x 30	
63	8406109	1	Clip	
64	1001178859	1	Cable, Alternator	
65	1001214975	1	Bracket	

FIGURE 3-7. DEUTZ D2011 ENGINE COMPONENTS

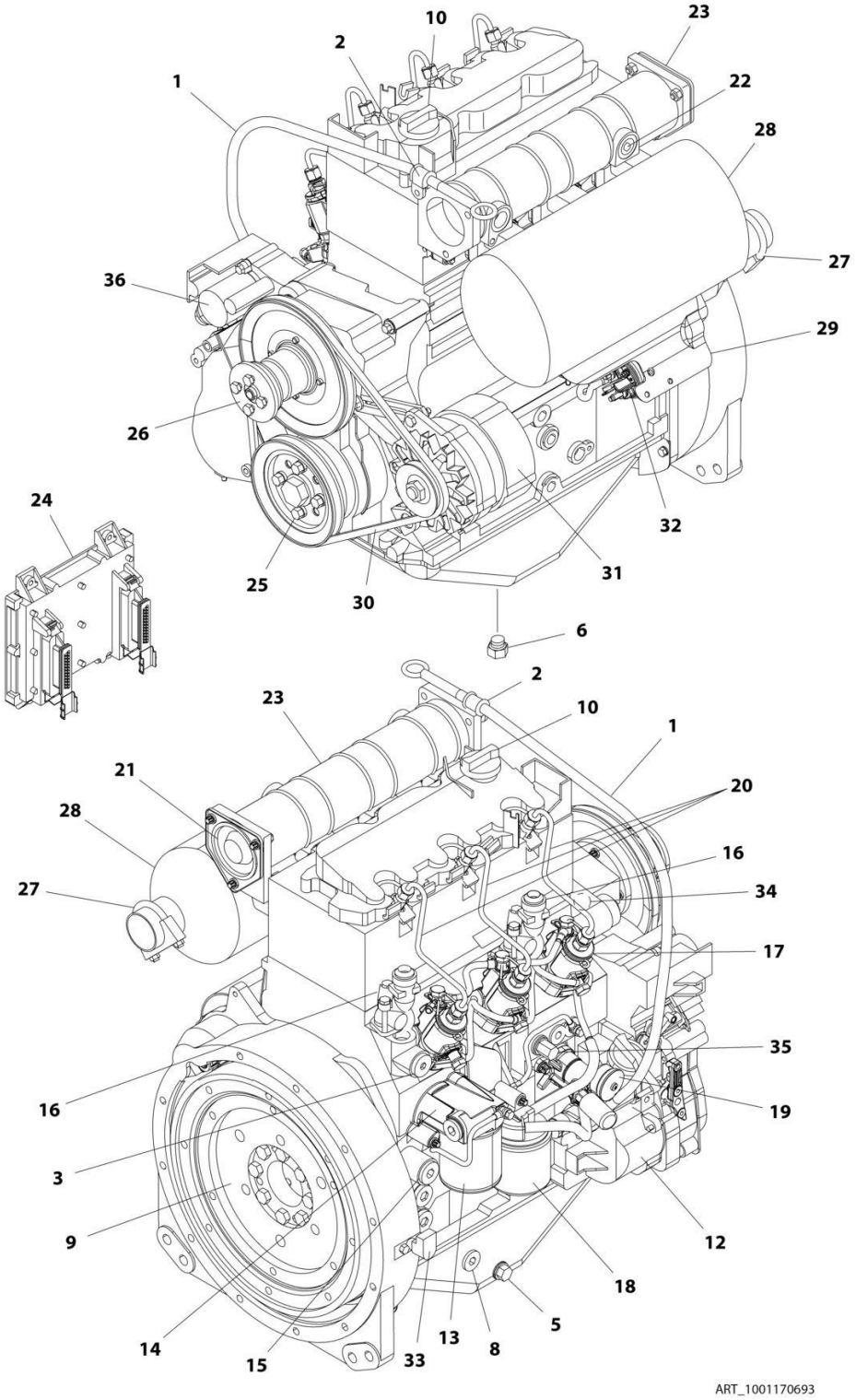


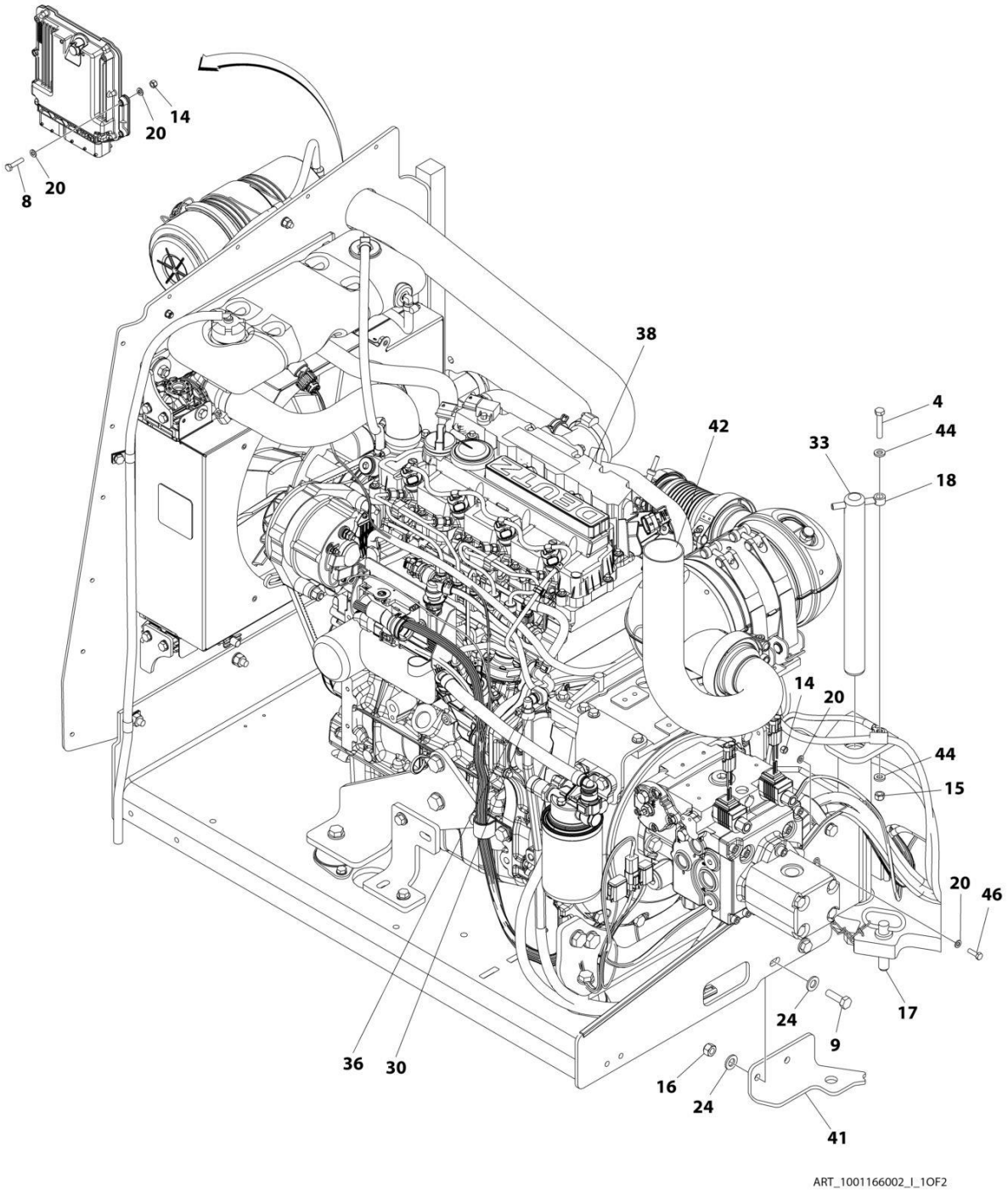
FIGURE 3-7. DEUTZ D2011 ENGINE COMPONENTS

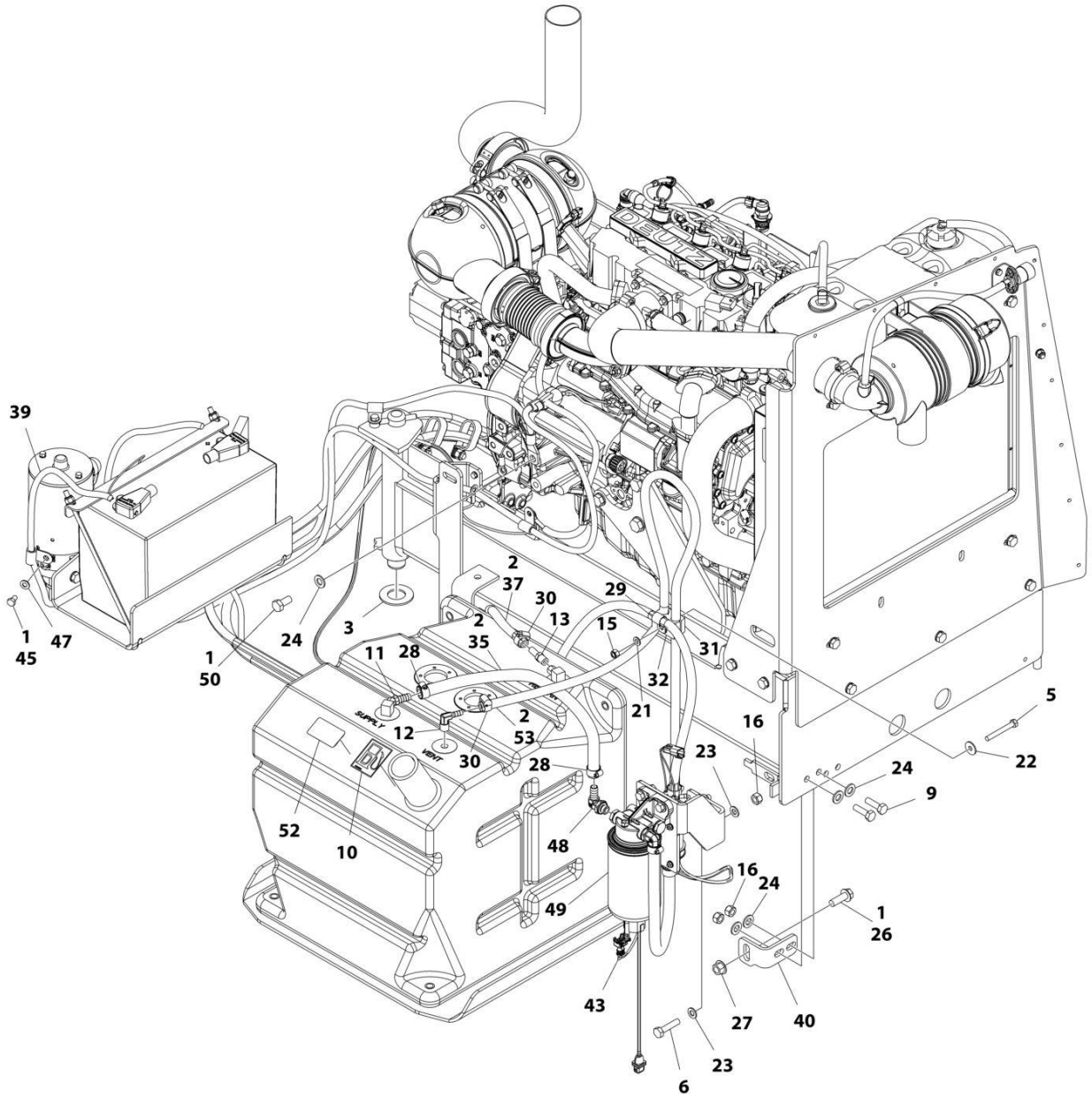
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170693	Ref	ENGINE COMPONENTS - DEUTZ D2011	C
1	70001002	1	Tube, Dipstick	
1	7020403	1	Seal, Tube	
1	7020026	1	Dipstick	
2	70001654	1	Clamp	
2	70001655	1	Bolt	
3	70003475	1	Thermostat	
3	7020460	1	Spring	
4		Ref	Seal and Gasket Options (Not Shown):	
4	70002718	1	Seal, Rear Main	
4	7020430	1	Gasket, Valve Cover	
4	70003479	1	Gasket, Head - 1 Notch	
4	70003480	1	Gasket, Head - 2 Notch	
4	70003481	1	Gasket, Head - 3 Notch	
5	70025088	1	Plug	
6	70025667	1	Plug	
7	70025123	22	Bolt, Torx (Oil Pan Bolts) (Not Shown)	
8	7020492	1	Seal	
8	70025084	1	Plug	
9	70001870	1	Flywheel	
9	7024579	1	Ring Gear (Part of Flywheel)	
9	70025139	8	Bolt	
10	7020465	1	Cap, Oil Fill	
11	70000800	1	Timing Belt/Idler Kit (Includes Timing Belt, Tensioner and Tensioner Bolt) (Not Shown)	
12	70001850	1	Pump, Lubricating	
12	7020468	1	Seal, Pump to Engine Block (Not Shown)	
13	7016331	1	Filter, Oil	
14	70003472	1	Bracket, Oil Filter (Includes Plug with Seal, Temperature Sensor, Control Valve and Compression Spring)	
14	7027236	1	Sensor, Temperature	
14	70025082	1	Seal, Plug	
14	70025091	1	Plug	
14	70003473	1	Gasket, Bracket to Engine Block (Not Shown)	
15	70001181	1	Valve	
15	70025091	1	Plug	
15	70025082	1	Seal, Plug	
16	70004268	2	Connector, Radiator Neck	
16	70004269	2	Seal, Radiator Neck to Engine Block	
17	70000912	3	Pump, Fuel Injector - A Spec	
17	70000913	3	Pump, Fuel Injector - B Spec	
17	70000914	3	Pump, Fuel Injector - C Spec	
17	70000915	3	Pump, Fuel Injector - D Spec	
17	70003464	3	O-Ring, Pump to Engine Block	
18	7020023	1	Filter, Fuel	
18	70003463	1	Filter, Fuel - RME Resistant	
18	70001423	1	Bracket, Fuel Filter	
19	70000916	1	Pump Fuel Supply	
19	70000917	1	O-Seal Between Fuel Pump and Engine Block	
19	70000918	1	Sealing Ring Between Hand Pump and Supply Pump	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	70000919	1	Pump, Hand	
19	70001435	1	Repair Kit	
19	70025694	2	Bolt, Torx	
20	70000931	3	Pipe, High Pressure	
21	70003469	1	Flange, Intake	
21	70003468	1	Seal	
22	70025084	1	Plug	
22	7020492	1	Seal, Plug	
23	7027903	1	Manifold, Air Intake	
23	70001871	3	Gasket Between Manifold and Engine Block	
24	See Note	1	Module, Engine Control (Note: Not Currently Available)	
24	7027796	1	Cable, Electrical Between Module and Engine Harness (Not Shown)	
24	70001872	1	Harness, Engine (Connects to p/n 70004060) (Not Shown)	
24	70004060	1	Plug, Connector Located on Cable Near Module (Not Shown)	
24	70004059	1	Plug, Analyzer (Not Shown)	
25	70025123	4	Bolt, Torx	
26	70000787	1	Support, Fan (Includes Support, Internal Shaft, Bearings and Circlip)	
27	70001844	1	Clamp	
28	See Note	1	Muffler (Note: See Separate Breakdown in this Section)	
28	7020471	3	Gasket, Exhaust Between Muffler and Engine Block	
28	70004270	6	Stud, Muffler	
29	70001498	1	Shield, Starter	
29	70025693	3	Bolt	
30	70004102	1	V-Belt	
31	70004056	1	Alternator (Includes Voltage Regulator and Gaskets, Fan and Fan Mounting Hardware)	
31	70001868	1	Regulator, Voltage	
31	70001866	1	Gasket Set, Voltage Regulator	
31	70025131	1	Fan	
31	70025086	1	Nut, Fan	
31	70000851	1	Bracket, Alternator Mounting	
31	70002234	1	Bracket, Alternator Adjustment	
31	70004103	1	Harness, Alternator (Not Shown)	
32	7020479	1	Starter	
32	70025121	2	Bolt, Starter Mounting	
32	70004058	1	Relay	
32	70004062	1	Harness, Starter (Not Shown)	
33	7024565	1	Sensor, Speed	
33	70003931	1	Bolt	
33	70003932	1	Spacer, Sleeve	
34	7027791	1	Sensor, Temperature	
35	7027790	1	Sensor, Oil Pressure	
36	7027792	1	Actuator	
37	70000345	3	Plug, Glow (Not Shown)	

FIGURE 3-8. DEUTZ D2.9L4 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)





ART_1001166002_I_2OF2

FIGURE 3-8. DEUTZ D2.9L4 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166002	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE)	I
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0700817	1	Bolt M8 x 45	
5	0700821	1	Bolt M8 x 65	
6	0701017	2	Bolt M10 x 45	
8	0760613	4	Bolt M6 x 28	
9	0761015	4	Bolt M10 x 35	
10	1701505	2	Decal - Diesel Fuel	
11	2180832	1	Fitting, Barbed	
12	2220313	1	Fitting, Barbed 90	
13	2220767	1	Fitting, Barbed	
14	3290605	5	Nut M6 x 1	
15	3290805	2	Bolt M8 x 1.25	
16	3291005	6	Nut M10 x 1.5	
17	3422532	1	Pin	
18	3841143	1	Keeper, Pin	
19	4240099	AR	Tie-Strap	
20	4811700	10	Washer M6	
21	4811900	1	Washer M8	
22	4811902	1	Washer M8	
23	4812000	4	Washer M10	
24	4812100	9	Washer M12	
26	5251215	1	Bolt M12 x 35	
27	5261200	1	Nut M12	
28	8405006	3	Clamp	
29	8406101	1	Clip	
30	8410013	4	Clamp	
31	8750014	1	Clamp	
32	8750031	1	Clamp	
33	1001135196	1	Pin	
35	1001154405	27.56 in /70cm	Hose	
36	1001155823	1	Coupling, Quick Disconnect 90	
37	1001165035	21 ft /6.42m	Hose	
38	1001166001	1	Engine and Pump Sub-Assembly - Deutz D2.9L4 (See Separate Breakdown in this Section)	
39	1001166970	1	Battery and Auxiliary Power Pump Cable Kit	
39	70009006	1	Cable, Battery (Black) (Battery to Ground)	
39	70009002	1	Cable, Battery (Red) (Auxiliary Power Relay to Auxiliary Power Pump)	
39	70009007	1	Cable, Battery (Red) (Battery to Auxiliary Power Relay)	
40	1001167512	1	Bracket, Engine Tray	
41	1001169823	1	Plate, Engine Lock	
42	1001172594	1	Pipe, Exhaust	
43	1001173342	1	Harness, Fuel Pump (See Separate Breakdown in ELECTRICAL SECTION)	
44	5240800	2	Washer M8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	0641504	1	Bolt 5/16 x 1/2	
46	0760610	1	Bolt M6 x 20	
47	4711500	1	Washer 5/16	
48	1001142501	1	Fitting, Barbed 90	
49	1001162335	1	Bracket Assembly - Fuel Pump/Filter (See Separate Breakdown in this Section)	
50	0771212	1	Bolt M12 x 25	
52	1001125387	1	Decal - Ultra Low Sulfur Fuel	
53	2750532	5.54 ft /1.69m	Hose	

FIGURE 3-9. DEUTZ D2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

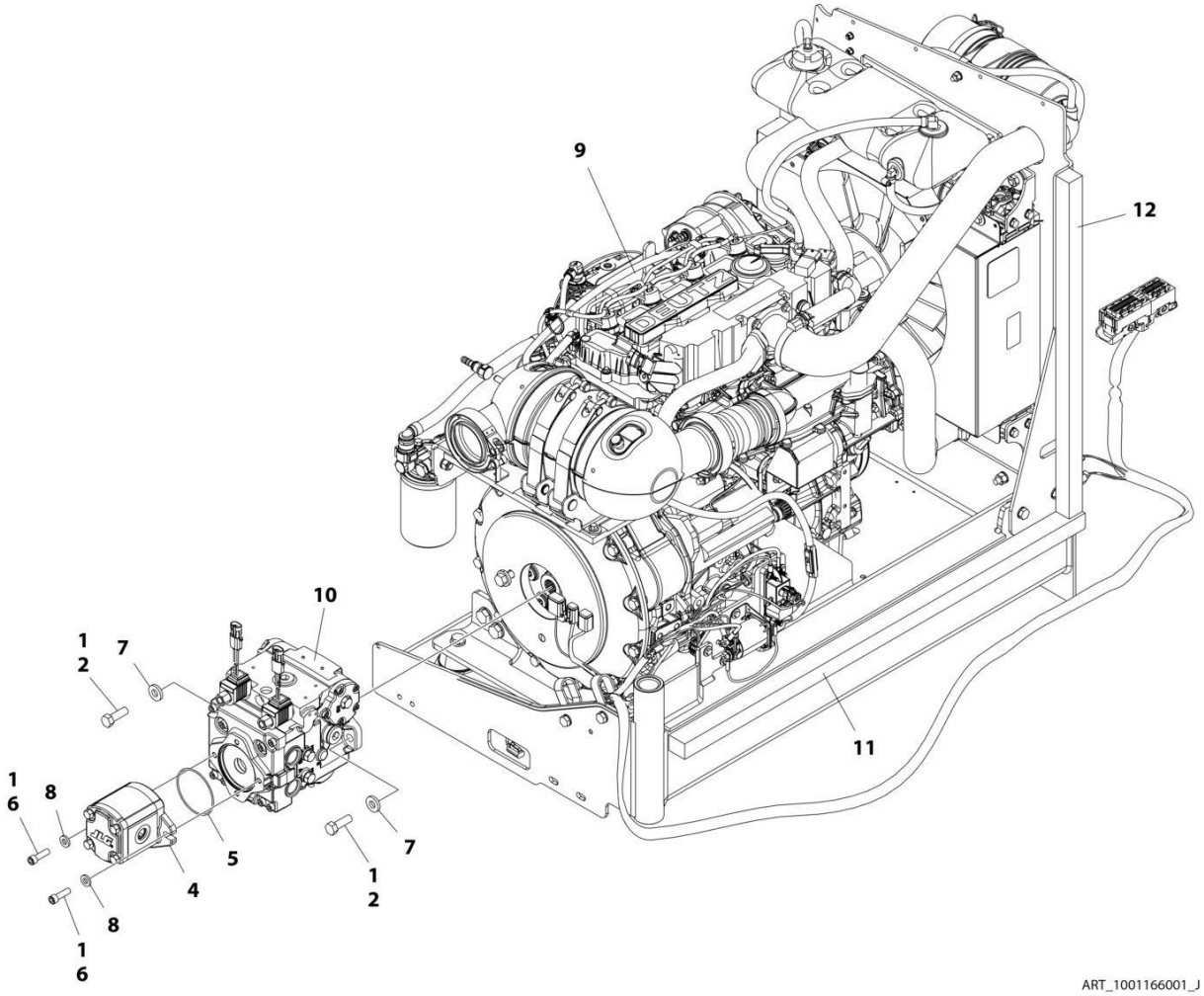
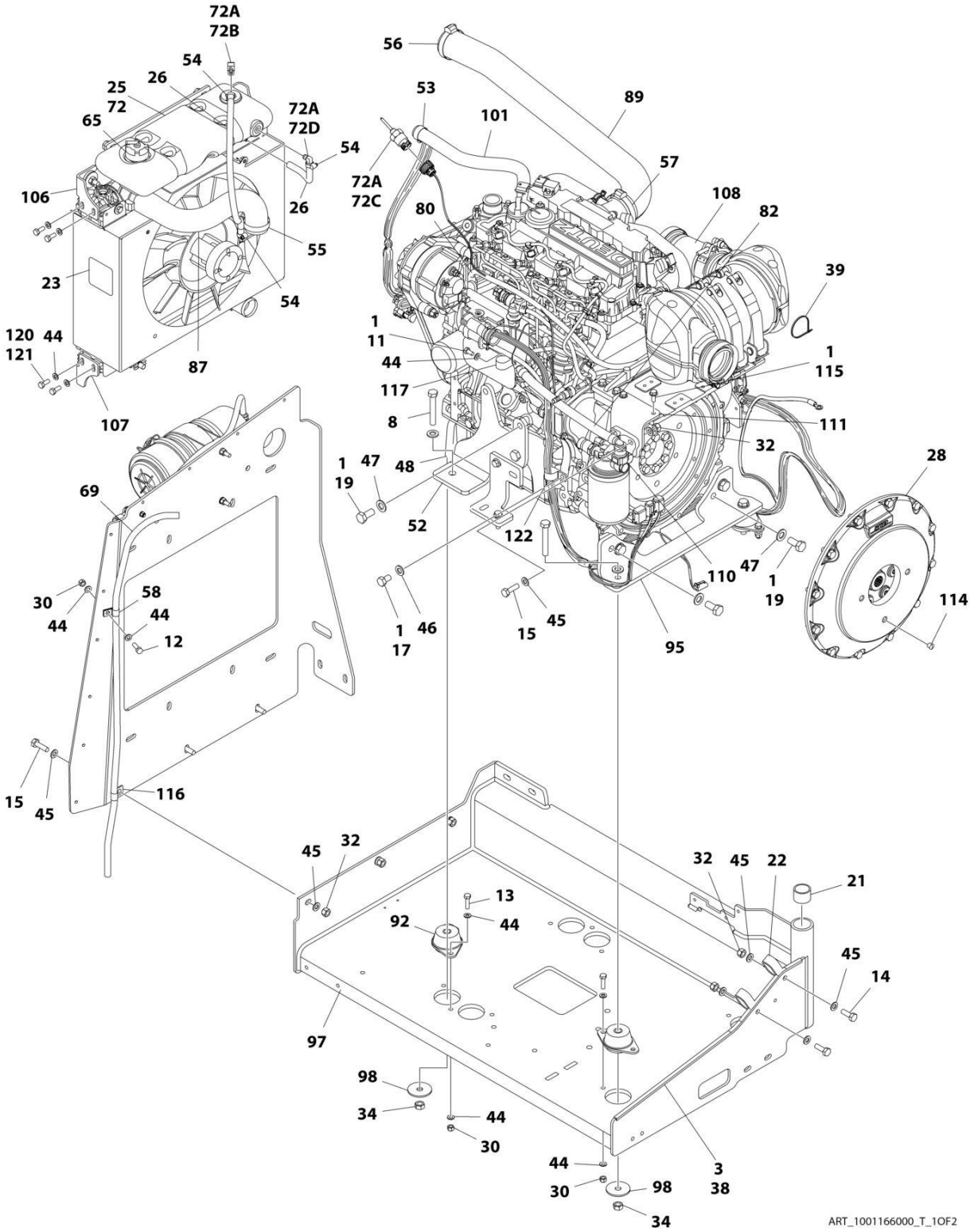
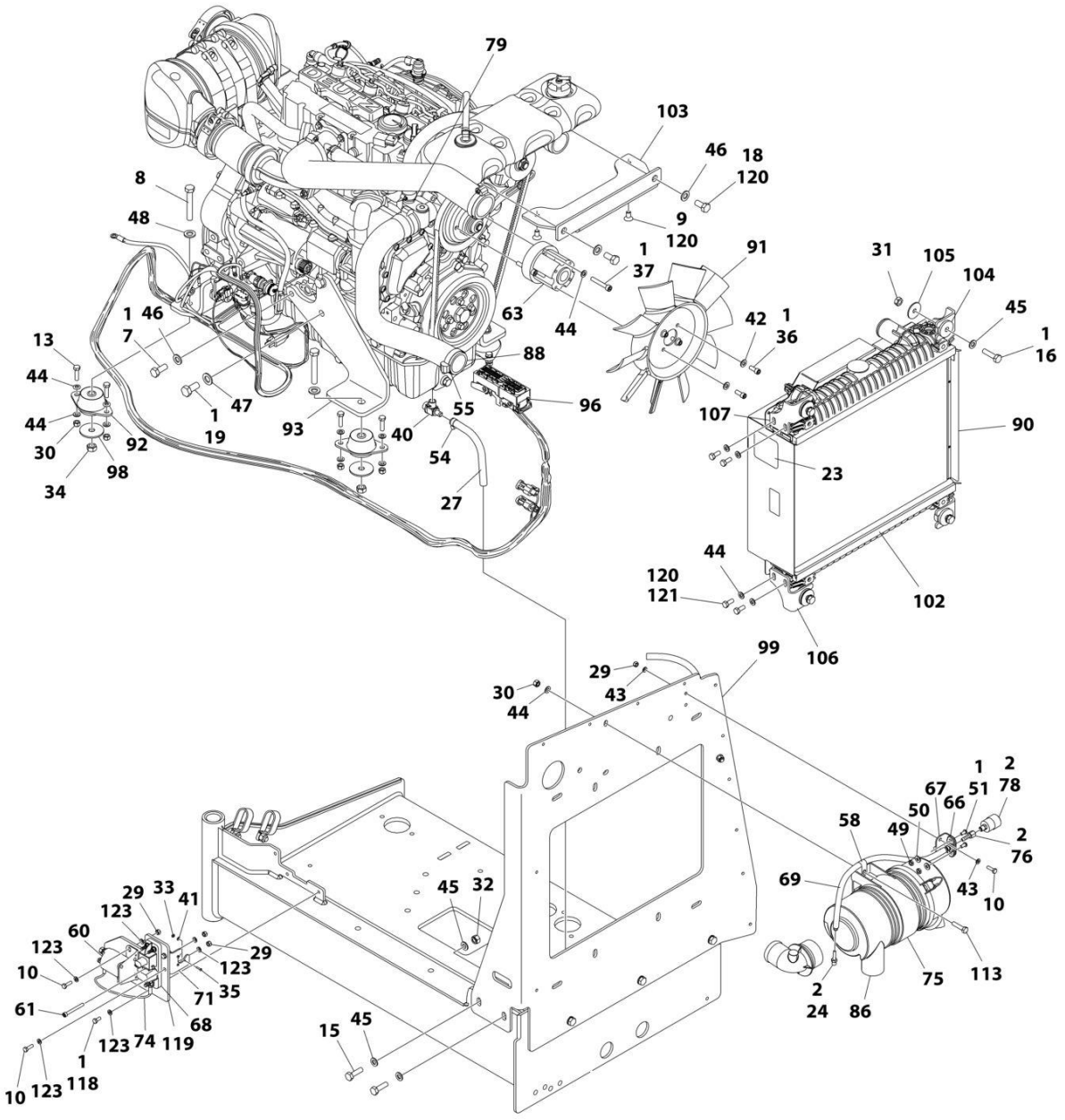


FIGURE 3-9. DEUTZ D2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166001	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (WITHOUT ARCTIC PACKAGE)	J
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
4	1001214207	1	Gear Pump Assembly	
4	70006356	1	Seal Kit - 1001214207 Pump	
5	3790152	1	O-Ring	
6	3931618	2	Capscrew 3/8 x 1-1/8	
7	4891800	2	Washer 1/2 Hardened	
8	4891600	2	Washer 3/8 Hardened	
9	1001166000	1	Engine Assembly - Deutz D2.9L4 Engine (Without Arctic Package) (See Separate Breakdown in this Section)	
10	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
11	1001171953	1	Seal	
12	1001171954	1	Seal	

FIGURE 3-10. DEUTZ D2.9L4 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)





ART_1001166000_T_2OF2

FIGURE 3-10. DEUTZ D2.9L4 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)

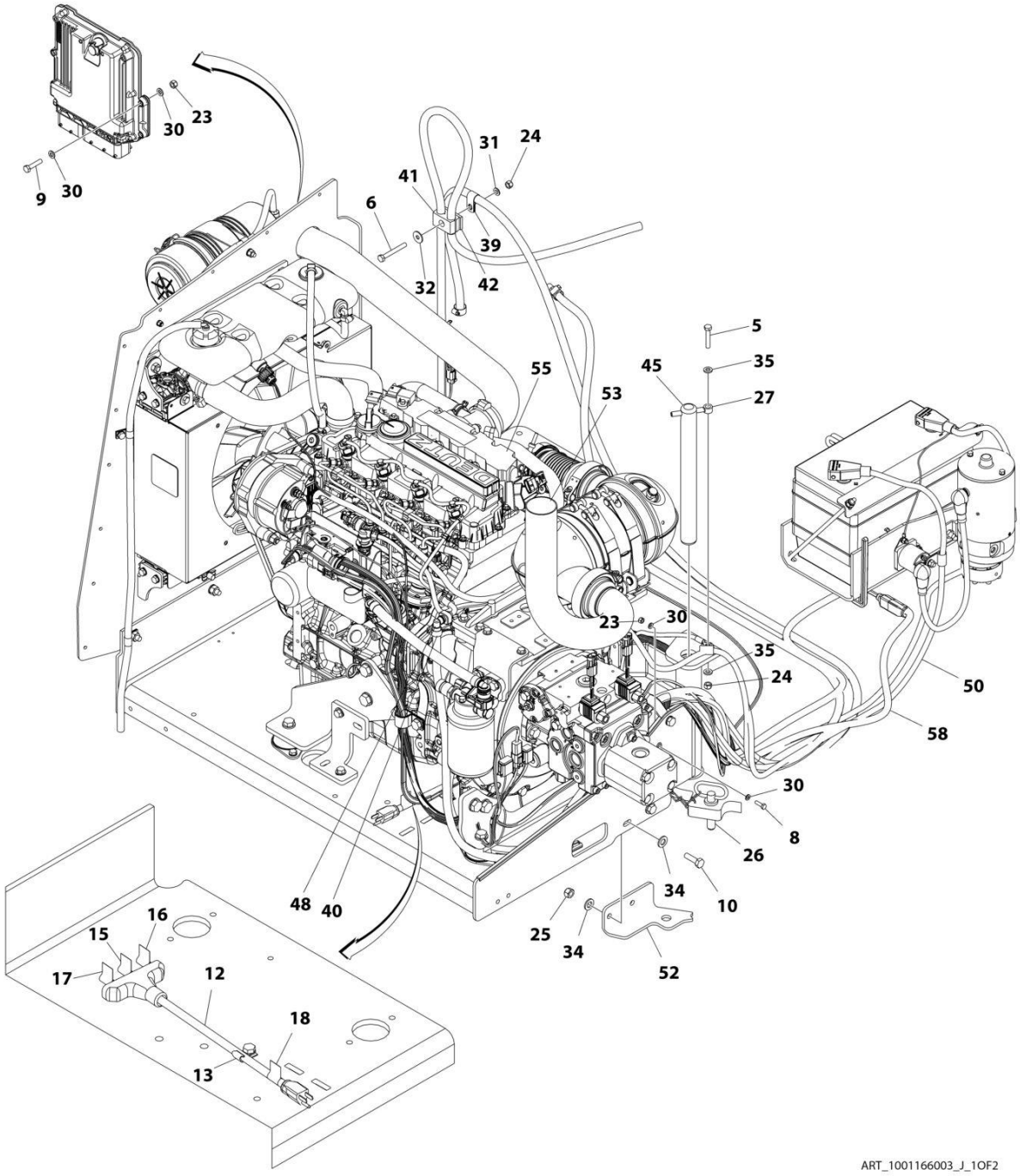
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166000	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE)	T
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
7	0711214	1	Bolt M12 x 30	
8	0711224	4	Bolt M12 x 80 Grade 10.9	
9	0741606	2	Screw 3/8 x .75	
10	0760610	6	Bolt M6 x 20	
11	0760808	1	Bolt M8 x 16	
12	0760812	1	Bolt M8 x 25	
13	0760814	8	Bolt M8 x 30	
14	0761014	2	Bolt M10 x 30	
15	0761015	7	Bolt M10 x 35	
16	0761016	4	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771414	9	Bolt M14 x 30	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2220315	1	Fitting, Straight Barbed	
26	2720015	2 ft/ 0.61m	Hose	
27	2720340	8 in/ 20.3cm	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	7	Nut M6 x 1	
30	3290805	11	Nut M8 x 1.25	
31	3291001	4	Nut M10 x 1.5	
32	3291005	9	Nut M10 x 1.5	
33	3310401	3	Nut #4	
34	3331215	4	Nut M12 x 1.75	
35	3910408	3	Screw 4 x 1/2	
36	3931512	4	Capscrew 5/16 x 3/4	
37	4031914	4	Bolt M8 x 50	
38	4060805	2.25 ft/ 0.69m	Flex-Trim	
39	4240099	AR	Tie-Strap	
40	4640751	1	Valve, Oil Drain	
41	4710400	3	Washer #4	
42	4711500	4	Washer 5/16	
43	4811700	4	Washer M6	
44	4811900	35	Washer M8	
45	4812000	22	Washer M10	
46	4812100	4	Washer M12	
47	4812200	9	Washer M14	
48	5241200	4	Washer M12	
49	8305401	2	Nut 1/4	
50	8307109	2	Washer 1/4	

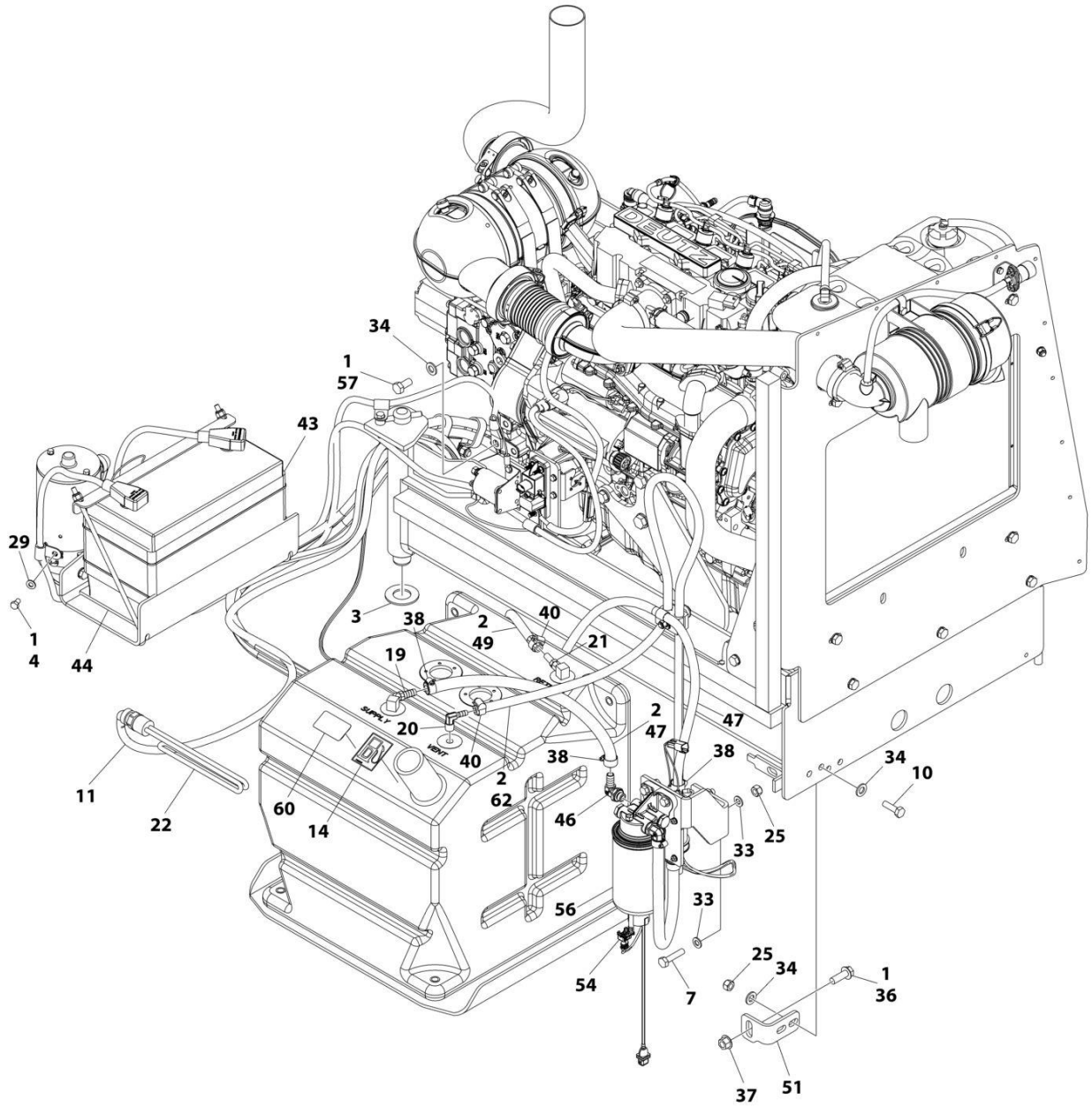
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	8310548	2	Screw 1/4 x 1/2	
53	8405007	2	Clamp	
54	8405009	5	Clamp	
55	8405104	4	Clamp	
56	8405202	1	Clamp	
57	8405204	1	Clamp	
58	8406109	2	Clip	
60	1001117308	1	Relay, 200Amp	
60	3300220	2	Nut	
60	3321001	2	Nut #10	
60	4761000	2	Washer #10	
60	1001111424	2	Washer	
61	1001118878	1	Bolt M6 x 55	
63	1001144116	1	Spacer, Fan	
65	1001136834	1	Cap, Tank	
66	1001138173	1	Support, Service Indicator	
67	1001138175	1	Bracket, Service Indicator	
68	1001138228	1	Relay, Power Module	
68	70023592	1	Fuse 20Amp	
68	70023593	1	Fuse 30Amp	
69	1001138248	5.25 ft/ 1.6m	Tube	
71	1001139240	1	Bracket	
72	1001230635	1	Tank, Surge (Includes Items 72A-72D)	
72A	0100020	AR	Sealant, Pipe	
72B	1001134488	1	Fitting, Barbed	
72C	1001138827	1	Sensor, Coolant Level	
72D	1001140564	1	Fitting, Barbed 90	
74	1001141304	1	Harness, Glow Plug	
75	1001141694	1	Clamp, Air Cleaner	
76	1001141995	1	Fitting, Barbed	
78	1001143390	1	Indicator	
79	1001143797	1	Fitting, Barbed	
80	1001178788	1	Cable, Alternator	
82	1001152489	1	Fitting, Barbed 90	
86	1001165388	1	Air Cleaner Assembly	
86	70003783	1	Element, Air Cleaner	
87	1001165405	1	Hose, Upper Radiator	
88	1001165406	1	Hose, Lower Radiator	
89	1001165721	1	Hose, Air Intake	
90	1001165722	1	Radiator	
91	1001165849	1	Fan	
92	1001166718	4	Mount, Motor	
93	1001166921	1	Plate, Engine Mount	
94	1001166922	1	Plate, Engine Mount	
95	1001166924	1	Plate, Engine Mount	
96	1001167108	1	Harness Engine - Deutz D2.9L4 (See Separate Breakdown in ELECTRICAL SECTION)	
97	1001167520	1	Tray, Engine	
98	1001168018	4	Washer, Special	
99	1001168026	1	Plate, Radiator Mounting	
101	1001168099	1	Hose	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	1001168166	2	Seal	
103	1001168950	1	Bracket	
104	1001169054	4	Isolator	
105	1001169138	4	Washer, Snubbing	
106	1001169967	2	Bracket	
107	1001170035	2	Bracket	
108	1001249965	1	Engine, Deutz D2.9L4 (See Separate Breakdown in this Section)	
110	1001177359	1	Hose	
111	1001178876	1	Mount, Fuel Filter	
113	0760815	2	Bolt M8 x 35	
114	3520054	1	Plug	
115	5250810	2	Bolt M8 x 20	
116	8406110	1	Clip	
117	8406201	1	Clip	
118	0760607	3	Bolt M6 x 14	
119	1001179903	1	Bracket	
120	1001180620	AR	Adhesive	
121	0760810	8	Bolt M8 x 20	
122	1001191620	1	Clamp	
123	4811702	12	Washer M6	

FIGURE 3-11. DEUTZ D2.9L4 ENGINE INSTALLATION (WITH ARCTIC PACKAGE)





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FIGURE 3-11. DEUTZ D2.9L4 ENGINE INSTALLATION (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166003	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE)	J
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0700821	1	Bolt M8 x 65	
7	0701017	2	Bolt M10 x 45	
8	0760610	1	Bolt M6 x 20	
9	0760613	4	Bolt M6 x 28	
10	0761015	5	Bolt M10 x 35	
12	1060626	1	Plug, 3 Way	
13	1320223	1	Clamp	
14	1701505	2	Decal - Diesel Fuel	
15	1702941	1	Decal - Battery Heater	
16	1702942	1	Decal - Engine Block Heater	
17	1702943	1	Decal - Hydraulic Tank Heater	
18	1702944	1	Decal - Heater Cord	
19	2180832	1	Fitting, Barbed	
20	2220313	1	Fitting, Barbed 90	
21	2220767	1	Fitting, Barbed	
22	1001188972	1	Heater, Hydraulic Tank	
23	3290605	5	Nut M6 x 1	
24	3290805	2	Nut M8 x 1.25	
25	3291005	7	Nut M10 x 1.5	
26	3422532	1	Pin	
27	3841143	1	Keeper, Pin	
28	4240099	AR	Tie-Strap	
29	4711500	1	Washer 5/16	
30	4811700	10	Washer M6	
31	4811900	2	Washer M8	
32	4811902	1	Washer M8	
33	4812000	6	Washer M10	
34	4812100	9	Washer M12	
35	5240800	2	Washer M8	
36	5251215	1	Bolt M12 x 35	
37	5261200	1	Nut M12	
38	8405006	3	Clamp	
39	8406101	1	Clip	
40	8410013	4	Clamp	
41	1320187	1	Clamp	
42	1320190	1	Clamp	
43	2580024	1	Heater, Battery	
44	1001119278	1	Insulate	
45	1001135196	1	Pin	
46	1001142501	1	Fitting, Barbed 90	
47	1001154405	28 in/.7m	Hose	
48	1001155823	1	Coupling, Quick Disconnect 90	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001165035	21 ft /6.42m	Hose	
50	1001166970	1	Battery and Auxiliary Power Pump Cable Kit	
50	70009006	1	Cable, Battery (Black) (Battery to Ground)	
50	70009002	1	Cable, Battery (Red) (Auxiliary Power Relay to Auxiliary Power Pump)	
50	70009007	1	Cable, Battery (Red) (Battery to Auxiliary Power Relay)	
51	1001167512	1	Bracket, Engine Tray	
52	1001169823	1	Plate, Engine Lock	
53	1001172594	1	Pipe, Exhaust	
54	1001173342	1	Harness, Fuel Pump (See Separate Breakdown in ELECTRICAL SECTION)	
55	1001174778	1	Engine and Pump Sub-Assembly - Deutz D2.9L4 (See Separate Breakdown in this Section)	
56	1001162335	1	Bracket Assembly - Fuel Pump/Filter (See Separate Breakdown in this Section)	
57	0771212	1	Bolt M12 x 25	
58	1001150918	1	Cable, Extension Cord	
60	1001125387	1	Decal - Ultra Low Sulfur Fuel	
61	1704972	1	Decal - Warning Explosion/Fire	
62	2750532	5.54 ft /1.69m	Hose	
63	1001233763	1	Breather Heater Installation (Not Shown - See Separate Breakdown in this Section)	

FIGURE 3-12. DEUTZ D2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

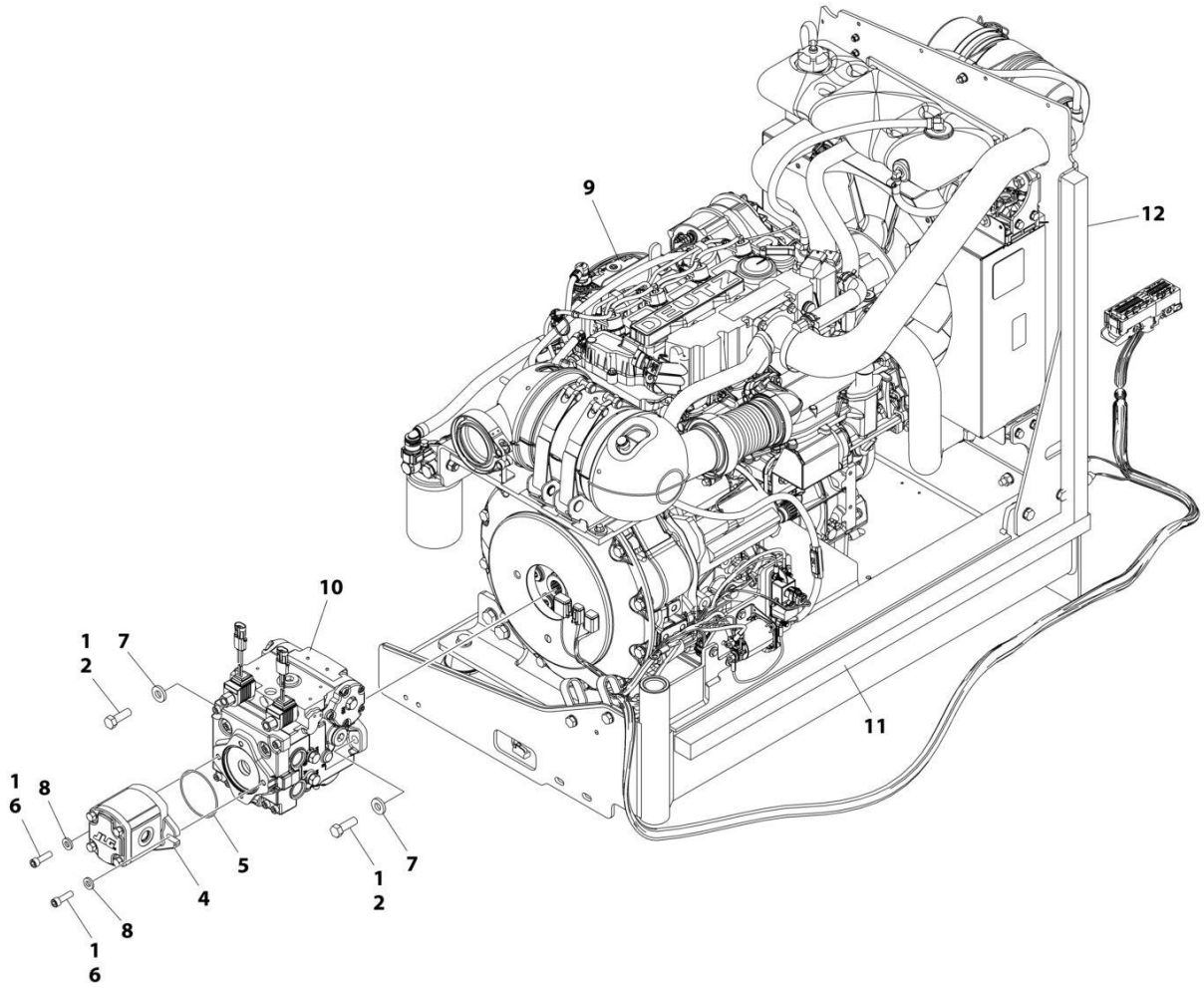
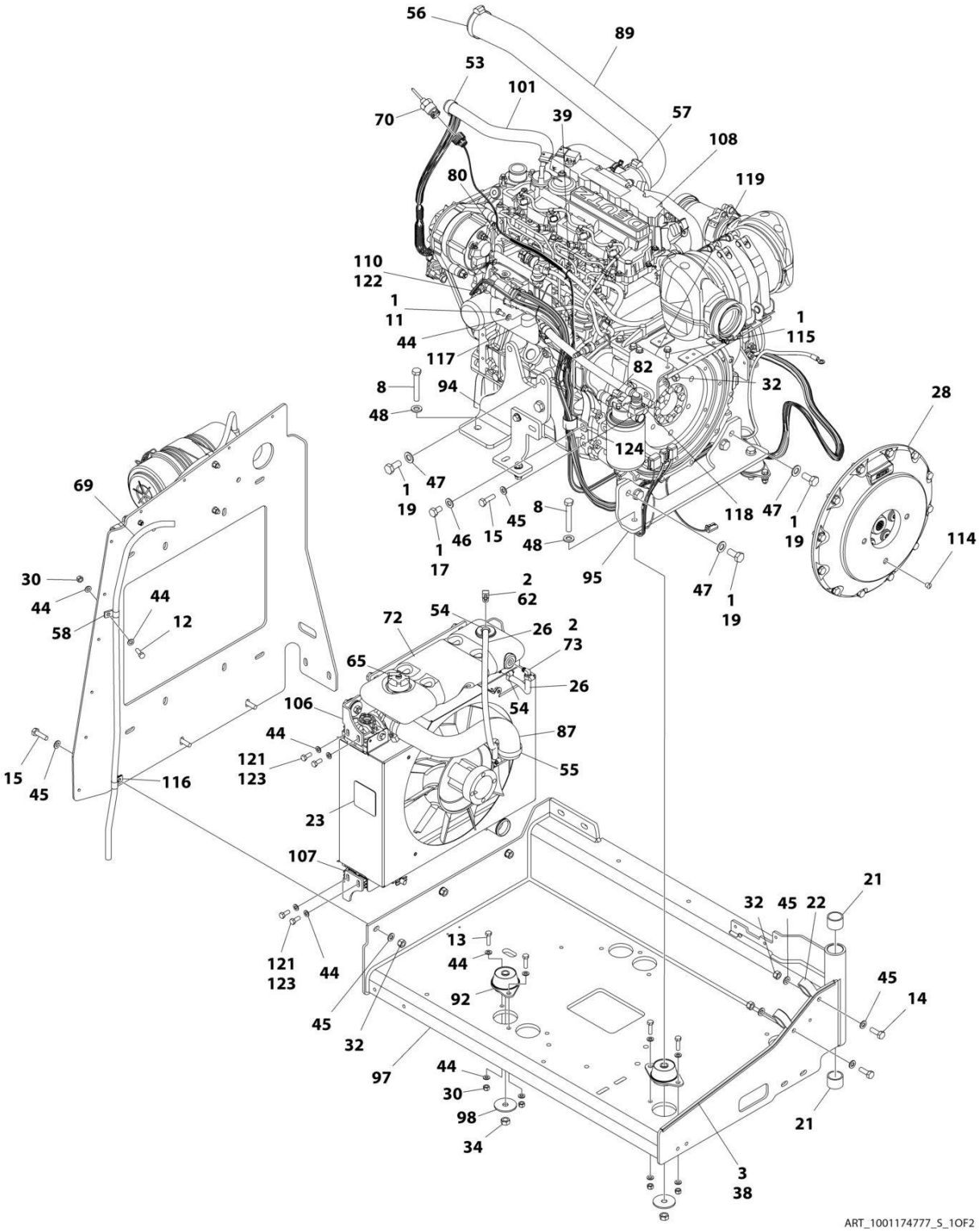


FIGURE 3-12. DEUTZ D2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174778	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (WITH ARCTIC PACKAGE)	I
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
4	1001214207	1	Gear Pump Assembly	
4	70006356	1	Seal Kit - 1001214207 Pump	
5	3790152	1	O-Ring	
6	3931618	2	Capscrew 3/8 x 1 1/8	
7	4891800	2	Washer 1/2 Hardened	
8	4891600	2	Washer 3/8 Hardened	
9	1001174777	1	Engine Assembly - Deutz D2.9L4 Engine (With Arctic Package) (See Separate Breakdown in this Section)	
10	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
11	1001171953	1	Seal	
12	1001171954	1	Seal	

FIGURE 3-13. DEUTZ D2.9L4 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)



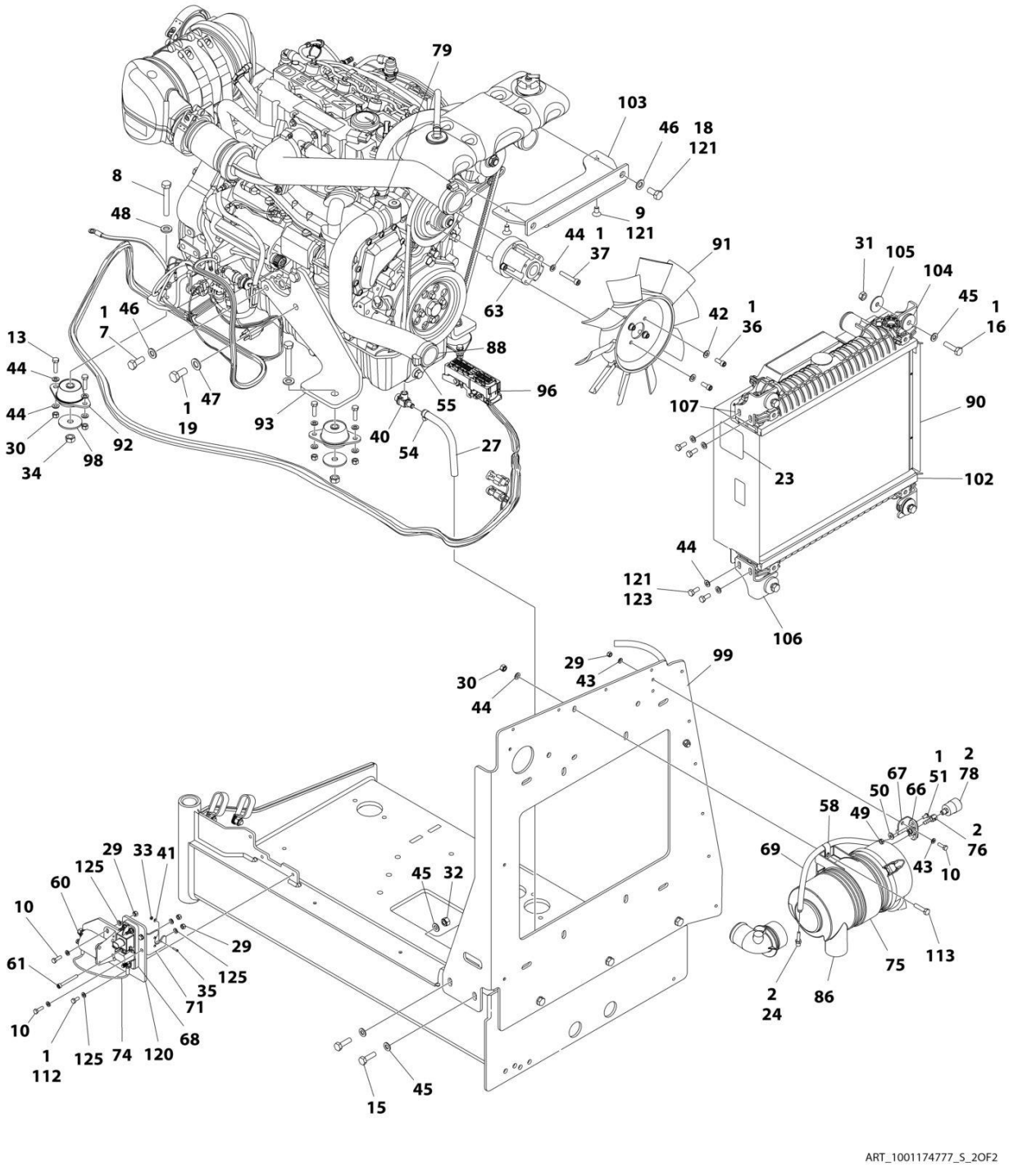

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FIGURE 3-13. DEUTZ D2.9L4 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174777	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE)	S
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
7	0711214	1	Bolt M12 x 30	
8	0711224	4	Bolt M12 x 80	
9	0741606	2	Screw 3/8 x 3/4	
10	0760610	6	Bolt M6 x 20	
11	0760808	1	Bolt M8 x 16	
12	0760812	1	Bolt M8 x 25	
13	0760814	8	Bolt M8 x 30	
14	0761014	2	Bolt M10 x 30	
15	0761015	7	Bolt M10 x 35	
16	0761016	4	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771414	9	Bolt M14 x 30 Grade 10.9	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2220315	1	Fitting, Barbed	
26	2720015	2 ft/0.61m	Hose	
27	2720340	8 in /0.2m	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	7	Nut M6	
30	3290805	11	Nut M8	
31	3291001	4	Nut M10	
32	3291005	9	Nut M10	
33	3310401	3	Nut #4	
34	3331215	4	Nut M12 x 1.75	
35	3910408	3	Screw #4- x 1/2	
36	3931512	4	Capscrew 5/16 x 3/4	
37	4031914	4	Bolt M8 x 50	
38	4060805	2.25 ft/ 0.69m	Flex-Trim	
39	4240099	AR	Tie-Strap	
40	4640751	1	Valve, Oil Drain	
41	4710400	3	Washer #4	
42	4711500	4	Washer 5/16	
43	4811700	4	Washer M6	
44	4811900	35	Washer M8	
45	4812000	22	Washer M10	
46	4812100	4	Washer M12	
47	4812200	9	Washer M14	
48	5241200	4	Washer M12	
49	8305401	2	Nut Jam	
50	8307109	2	Washer, .250	
51	8310548	2	Screw 1/4 x 1/2	
53	8405007	2	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	8405009	5	Clamp	
55	8405104	4	Clamp	
56	8405202	1	Clamp	
57	8405204	1	Clamp	
58	8406109	2	Clip	
60	1001117308	1	Relay, 200Amp	
60	3300220	2	Nut	
60	3321001	2	Nut #10	
60	4761000	2	Washer #10	
60	1001111424	2	Washer	
61	1001118878	1	Bolt M6 x 55	
62	1001134488	1	Fitting, Barbed 90	
63	1001144116	1	Spacer, Fan	
65	1001136834	1	Cap, Tank	
66	1001138173	1	Support, Service Indicator	
67	1001138175	1	Bracket, Service Indicator	
68	1001138228	1	Relay, Power Module	
68	70023592	1	Fuse 20Amp	
68	70023593	1	Fuse 30Amp	
69	1001138248	5.25 ft/ 1.6m	Tube	
70	1001138827	1	Sensor, Coolant Level	
71	1001139240	1	Bracket	
72	1001140535	1	Tank, Surge	
72	1001230635	1	Tank, Surge (Includes Items 62, 70 & 73)	
73	1001140564	1	Fitting, Barbed 90	
74	1001141304	1	Harness, Glow Plug	
75	1001141694	1	Clamp, Air Cleaner	
76	1001141995	1	Fitting, Barbed	
78	1001143390	1	Indicator	
79	1001143797	1	Fitting, Barbed	
80	1001178788	1	Cable, Alternator	
82	1001152489	1	Fitting, Barbed 90	
86	1001165388	1	Air Cleaner Assembly	
86	70003783	1	Element, Air Cleaner	
87	1001165405	1	Hose, Upper Radiator	
88	1001165406	1	Hose, Lower Radiator	
89	1001165721	1	Hose, Air Intake	
90	1001165722	1	Radiator	
91	1001165849	1	Fan	
92	1001166718	4	Mount, Motor	
93	1001166921	1	Plate, Engine Mount	
94	1001166922	1	Plate, Engine Mount	
95	1001166924	1	Plate, Engine Mount	
96	1001167108	1	Harness Engine - Deutz D2.9L4 (See Separate Breakdown in ELECTRICAL SECTION)	
97	1001167520	1	Tray, Engine	
98	1001168018	4	Washer, Special	
99	1001168026	1	Plate, Radiator Mounting	
101	1001168099	1	Hose	
102	1001168166	2	Seal	
103	1001168950	1	Bracket	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
104	1001169054	4	Isolator	
105	1001169138	4	Washer, Snubbing	
106	1001169967	2	Bracket	
107	1001170035	2	Bracket	
108	1001249965	1	Engine, Deutz D2.9L4	
110	1001140312	1	Heater, Engine Block	
112	0760607	3	Bolt M6 x 14	
113	0760815	2	Bolt M8 x 35	
114	3520054	1	Plug	
115	5250810	2	Bolt M8 x 20	
116	8406110	1	Clip	
117	8406201	1	Clip	
118	1001177359	1	Hose	
119	1001178876	1	Mount, Fuel Filter	
120	1001179903	1	Bracket	
121	1001180620	AR	Adhesive	
122	1001181895	AR	Adhesive	
123	0760810	8	Bolt M8 x 20	
124	1001191620	1	Clamp	
125	4811702	12	Washer M6	

FIGURE 3-14. DEUTZ D2.9L4 ENGINE COMPONENTS

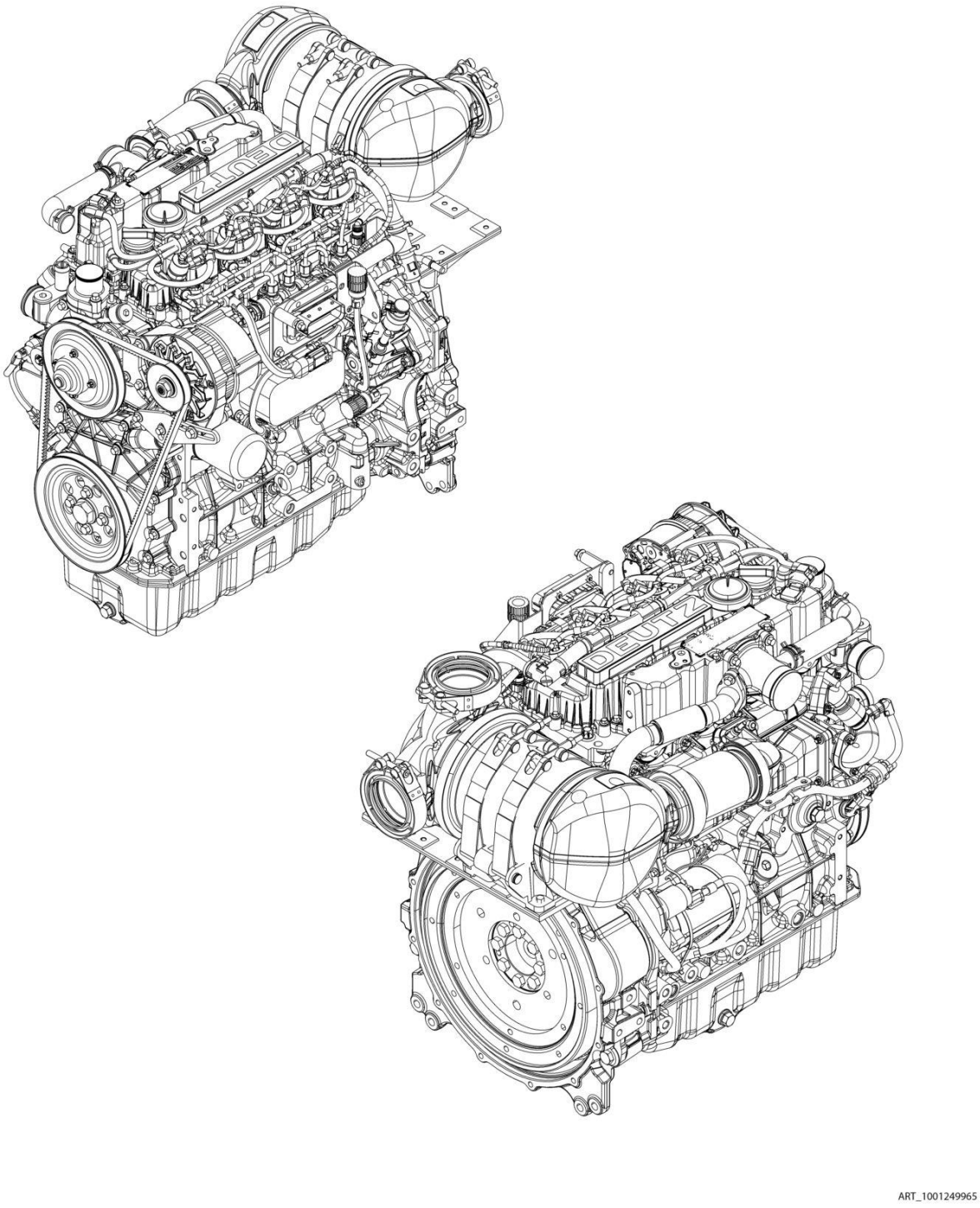
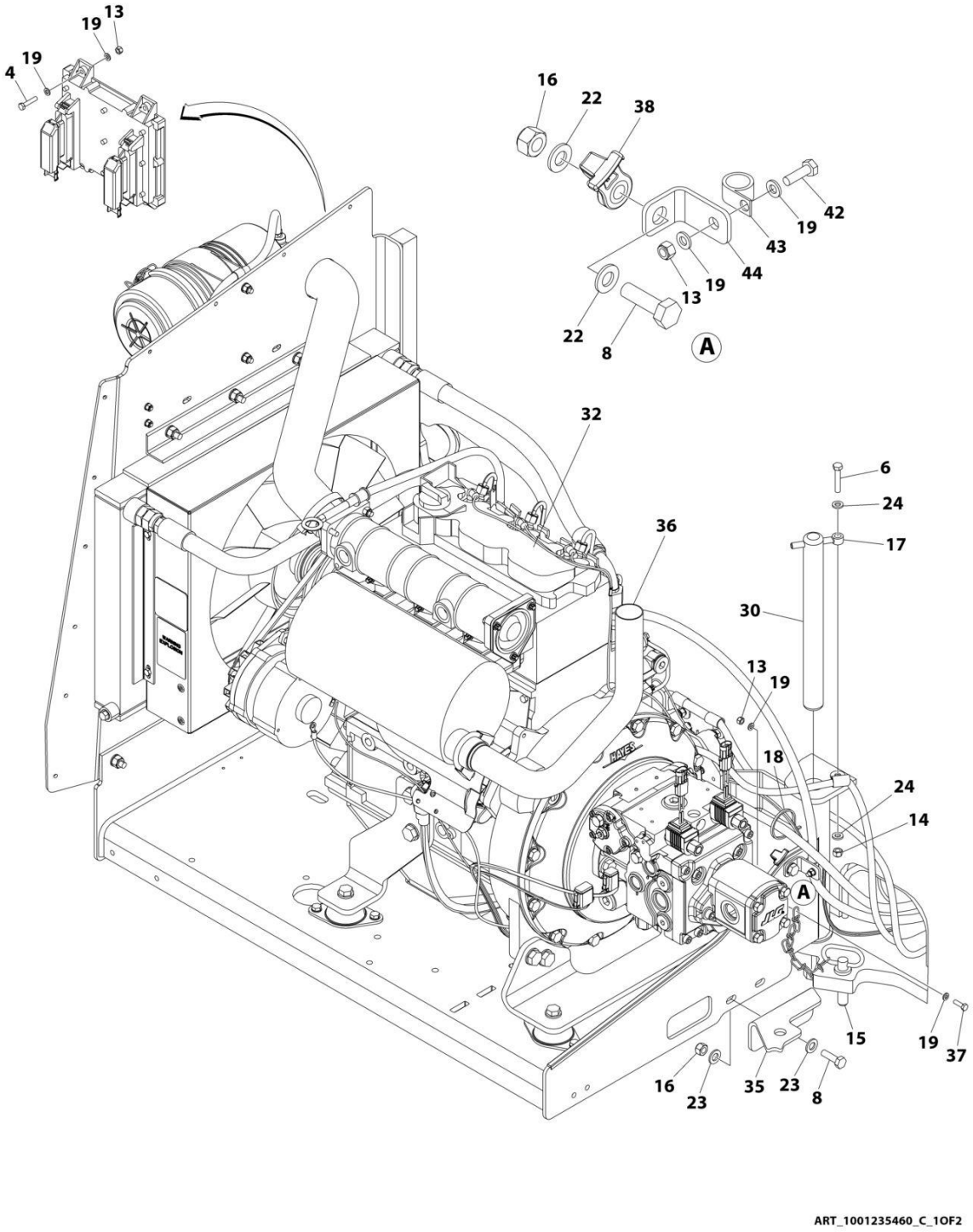


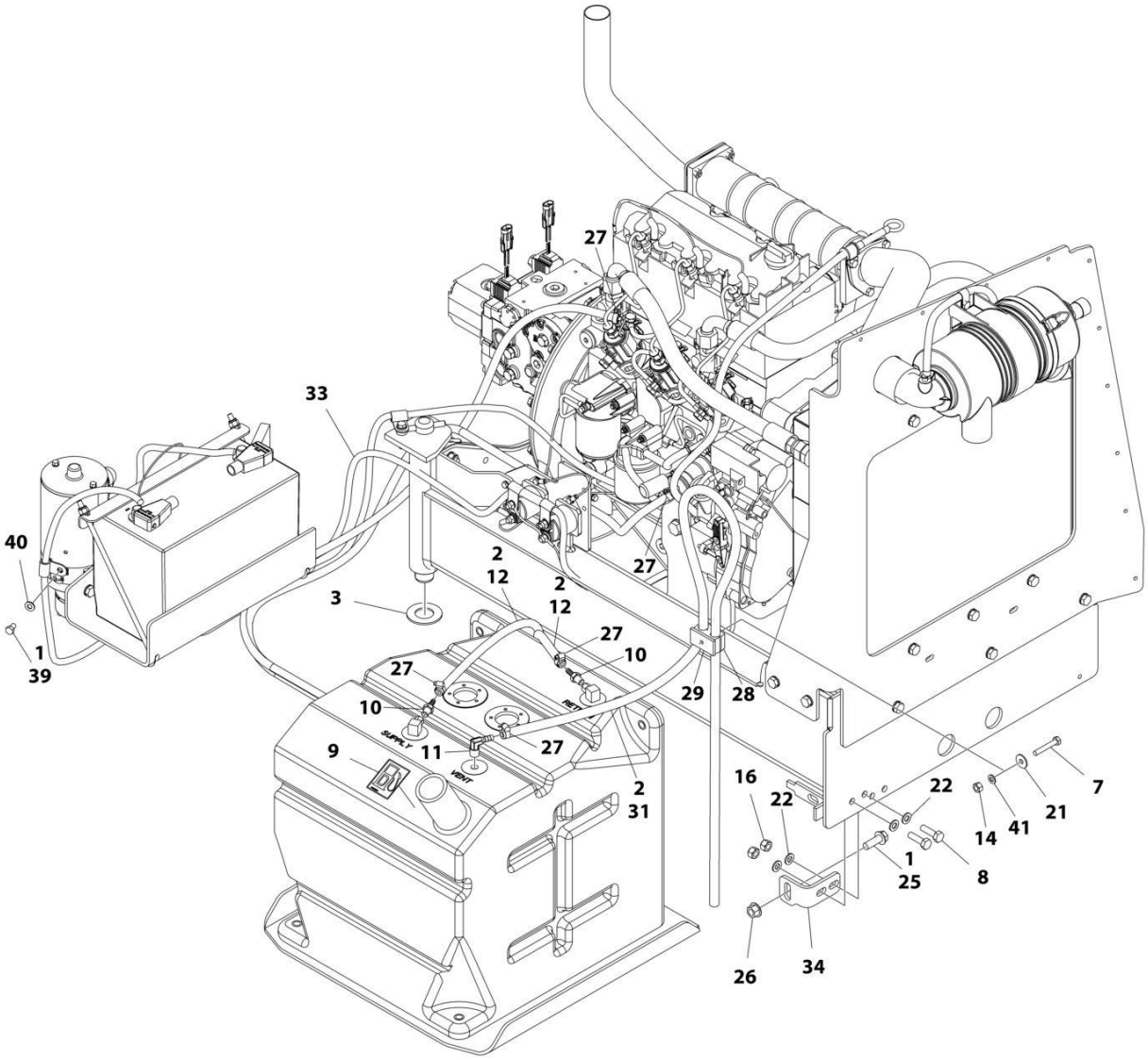
FIGURE 3-14. DEUTZ D2.9L4 ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249965	Ref	DEUTZ D2.9L4 - 49HP ENGINE COMPONENTS	B
	See Note	Ref	Note: Contact JLG Customer Service for Availability of Additional Components.	
		Ref	Air Intake System	
	70005182	1	Charge Air Elbow	
	70005183	1	Breather Line	
		Ref	Cooling System Components	
	70030360	1	Pump, Coolant	
	70007603	1	Thermostat	
		Ref	Electrical Components	
	70025210	1	Module, Engine Control (ECM/ECU)	
	70024513	1	Harness, Fuel Filter Sensor	
	70024504	1	Sensor, Fuel Pressure	
	70006652	1	Generator	
	70024915	1	Starter	
	70025231	1	Harness, Glow Plug	
	70028540	1	Sensor, Temperature	
	70026210	1	Sensor, Speed	
	70024507	1	Sensor, Pressure (Air Intake)	
	70031145	4	Plug, Glow	
		Ref	Exhaust Components	
	70031136	1	Pipe, Exhaust	
	70004282	1	Exhaust Manifold	
		Ref	Fuel System Components	
	70030381	1	Pump, High Pressure	
	700004508	1	Valve, Volume Control	
	70004281	1	Injector, Fuel	
	70006144	1	Pump, Fuel Supply (Includes Qty 2 Mounting Clamps)	
	1001225430	1	Filter, Fuel (Pre-Filter) Assembly	
	70024961	1	Filter, Fuel	
	70025239	1	Seal	
	70024513	1	Cable, Sensor	
	70029451	1	Filter, Fuel	
		Ref	Gasket & Seal Components	
	70024905	1	Seal, Dipstick	
	70005942	2	Seal, Oil Plug	
	70024906	1	Gasket, Head	
	70005171	1	Gasket, Valve Cover	
	70002718	1	Seal, Rear Main	
	70025135	1	O-Ring, Oil Lube Pump	
	70005173	1	Gasket, Oil Lube Pump	
	70024925	1	Seal, Oil Cooler	
	70005177	1	Gasket, Charge Air Housing	
	70025200	1	O-Ring, Coolant Pump	
	70007325	1	Seal, Coolant Pump	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Seal, Thermostat	
	70025164	1	Gasket, Exhaust Manifold to Head	
	70007354	1	Gasket, Short Exhaust Pipe to JLG supplied Exhaust	
	70007326	1	Gasket EGR Valve	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70031095	1	Gasket, Exhaust Return Pipe (to Air Intake Housing)	
		Ref	Other Components	
	70001870	1	Flywheel	
	7024579	1	Gear, Ring	
		Ref	Oil Lube System	
	7020465	1	Cap, Oil Fill	
	70024904	1	Dipstick	
	70005941	2	Plug, Oil (Includes Seal)	
	70005172	1	Pump, Oil Lube (Includes O-Ring & Gasket)	
	70024494	1	Oil Cooler	
	7016331	1	Filter, Oil	

FIGURE 3-15. DEUTZ D2.9L4 (STAGE V) ENGINE INSTALLATION (Prior to SN 0300274547, Prior to SN E300008320)





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FIGURE 3-15. DEUTZ D2.9L4 (STAGE V) ENGINE INSTALLATION (Prior to SN 0300274547, Prior to SN E300008320)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235460	Ref	ENGINE INSTALLATION - DEUTZ D2011 ENGINE (STAGE V) (WITHOUT ARCTIC PACKAGE)	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
6	0700817	1	Bolt M8 x 45	
7	0700821	1	Bolt M8 x 65	
8	0761015	5	Bolt M10 x 35	
9	1701505	1	Decal - Diesel Fuel	
10	2180348	2	Fitting, Barbed	
11	2220313	1	Fitting, Barbed 90	
12	2720058	17 ft / 5.18m	Hose	
13	3290605	5	Nut M6	
14	3290805	2	Nut M8	
15	3422532	1	Pin	
16	3291005	5	Nut M10	
17	3841143	1	Pin	
18	4240099	AR	Tie-Strap	
19	4811700	10	Washer M6	
21	4811902	1	Washer M8	
22	4812000	6	Washer M10	
23	4812100	4	Washer M12	
24	5240800	2	Washer M8	
25	5251215	1	Bolt M12 x 35	
26	5261200	1	Nut, M12 Class10	
27	8405009	5	Clamp	
28	1320187	1	Clamp	
29	1320190	1	Clamp	
30	1001135196	1	Pin	
31	2750532	6 ft/ 1.83m	Hose	
32	1001235461	1	Engine and Pump Sub-Assembly - Deutz D2011 (Without Arctic Package) (See Separate Breakdown in this Section)	
33	1001167038	1	Battery Cable Kit	G
33	70009004	1	Cable, Battery (Black) (Battery Negative, Auxiliary Power Pump, Turntable Ground to Engine Ground)	
33	70009005	1	Cable, Battery (Red) (Battery Positive, Auxiliary Power Relay, Starter Relay to Starter)	
33	70009002	1	Cable, Battery (Red) (Auxiliary Power Relay to Auxiliary Power Pump)	
34	1001167512	1	Bracket, Engine	
35	1001169823	1	Plate, Engine Lock	
36	1001172195	1	Pipe, Exhaust	
37	0760610	1	Bolt M6 x 20	
38	1001156107	1	Holder, Cable	
39	0641504	1	Bolt 5/16 x 1/2	
40	4711500	1	Washer 5/16	
41	4811900	1	Washer M8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	0700610	1	Bolt M6 x 20	
43	1320224	1	Clamp, Cable	
44	1001148641	1	Bracket, Clamp Mounting	

FIGURE 3-16. DEUTZ D2.9L4 (STAGE V) ENGINE AND PUMP SUB-ASSEMBLY (Prior to SN 0300274547, Prior to SN E300008320)

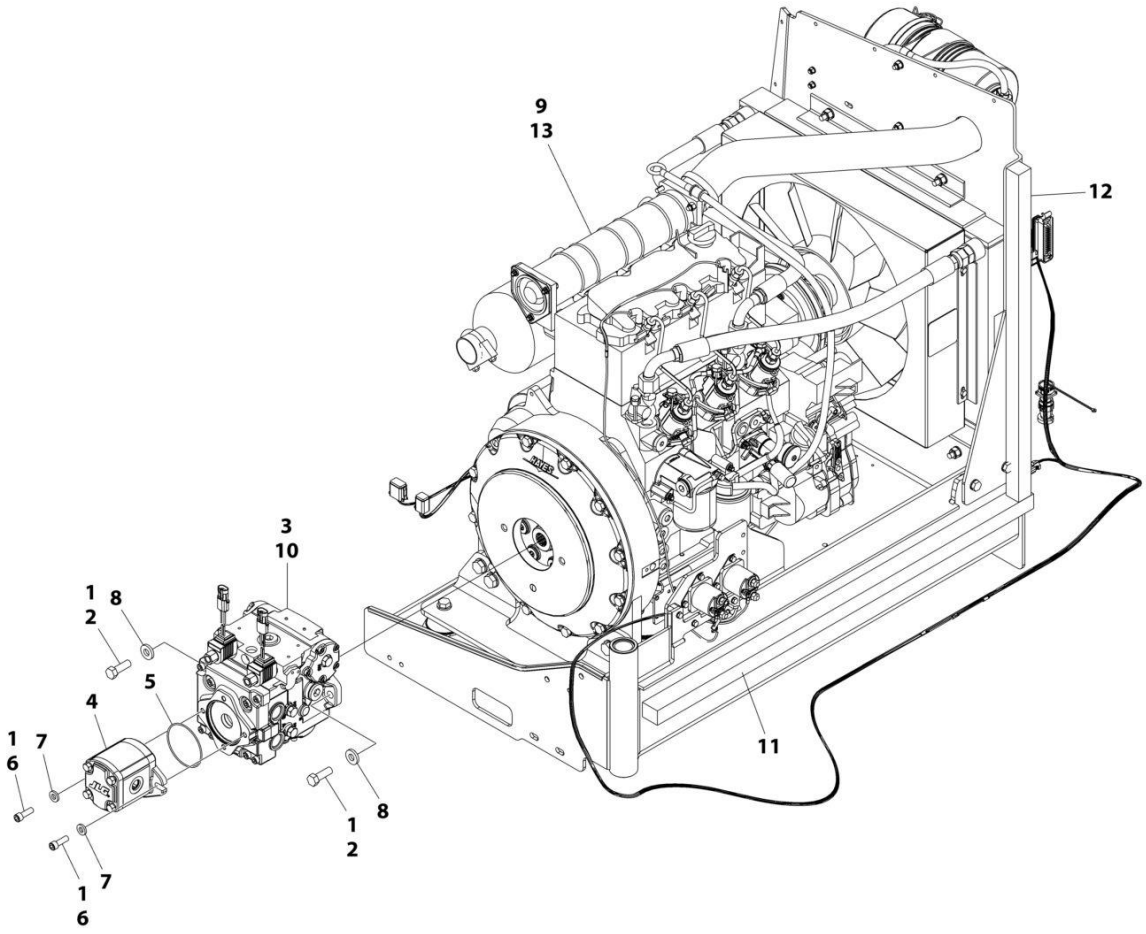
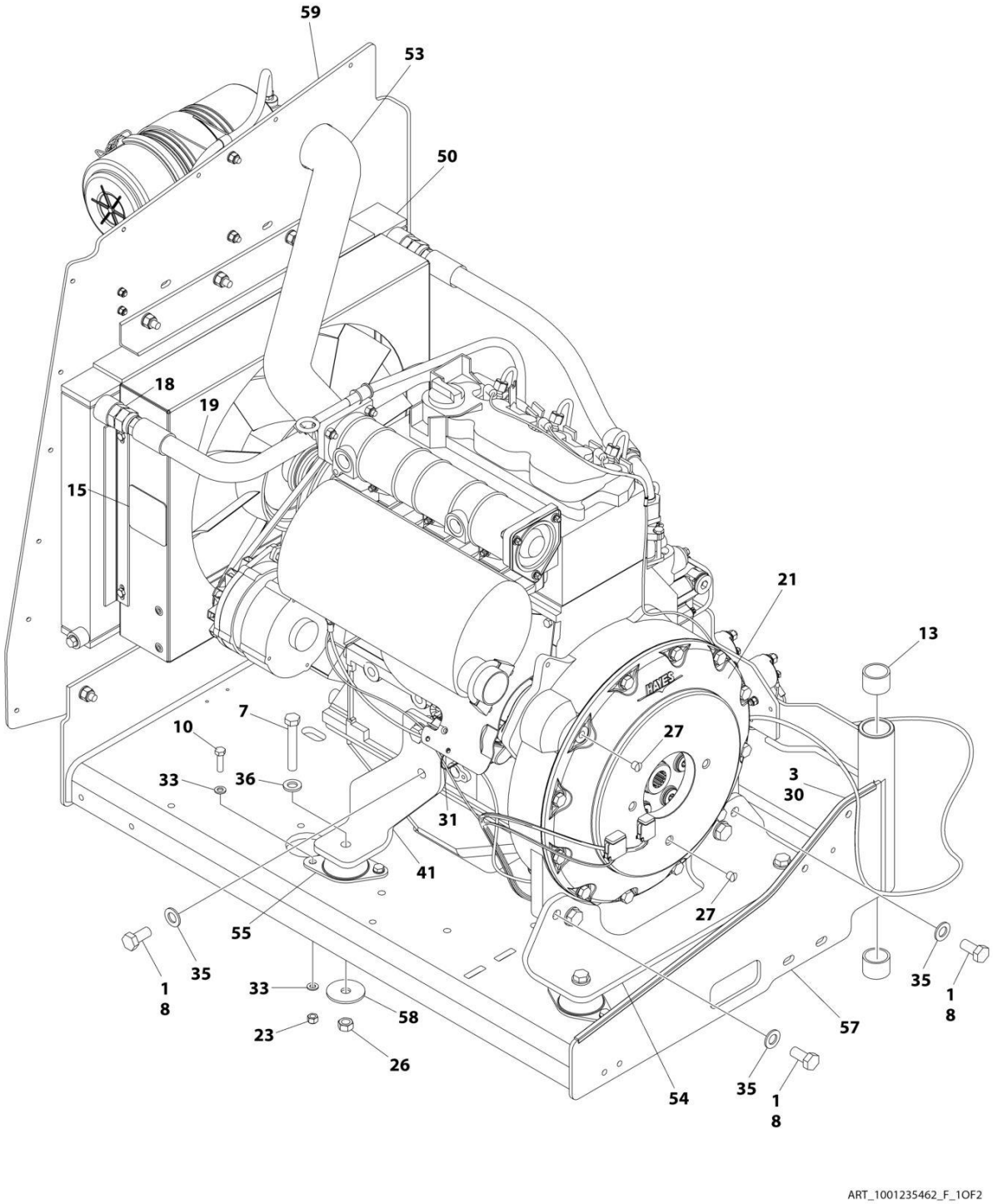


FIGURE 3-16. DEUTZ D2.9L4 (STAGE V) ENGINE AND PUMP SUB-ASSEMBLY (Prior to SN 0300274547, Prior to SN E300008320)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235461	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (STAGE V) (WITHOUT ARCTIC PACKAGE)	B
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	3020037	AR	Lube	
4	1001214207	1	Gear Pump Assembly	
4	70006356	1	Seal Kit - 1001214207 Pump	
5	3790152	1	O-Ring	
6	3931618	2	Capscrew 3/8 x 1-1/8	
7	4891600	2	Washer 3/8	
8	4891800	2	Washer 1/2	
9	1001235462	1	Engine Assembly - Deutz D2011 Engine (Stage V) (Without Arctic Package) (See Separate Breakdown in this Section)	
10	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
11	1001171953	1	Seal	
12	1001171954	1	Seal	
13	1001235455	1	Engine, Deutz D2011 (Stage V) (See Separate Breakdown in this Section)	

FIGURE 3-17. DEUTZ D2.9L4 (STAGE V) ENGINE ASSEMBLY (Prior to SN 0300274547, Prior to SN E300008320)



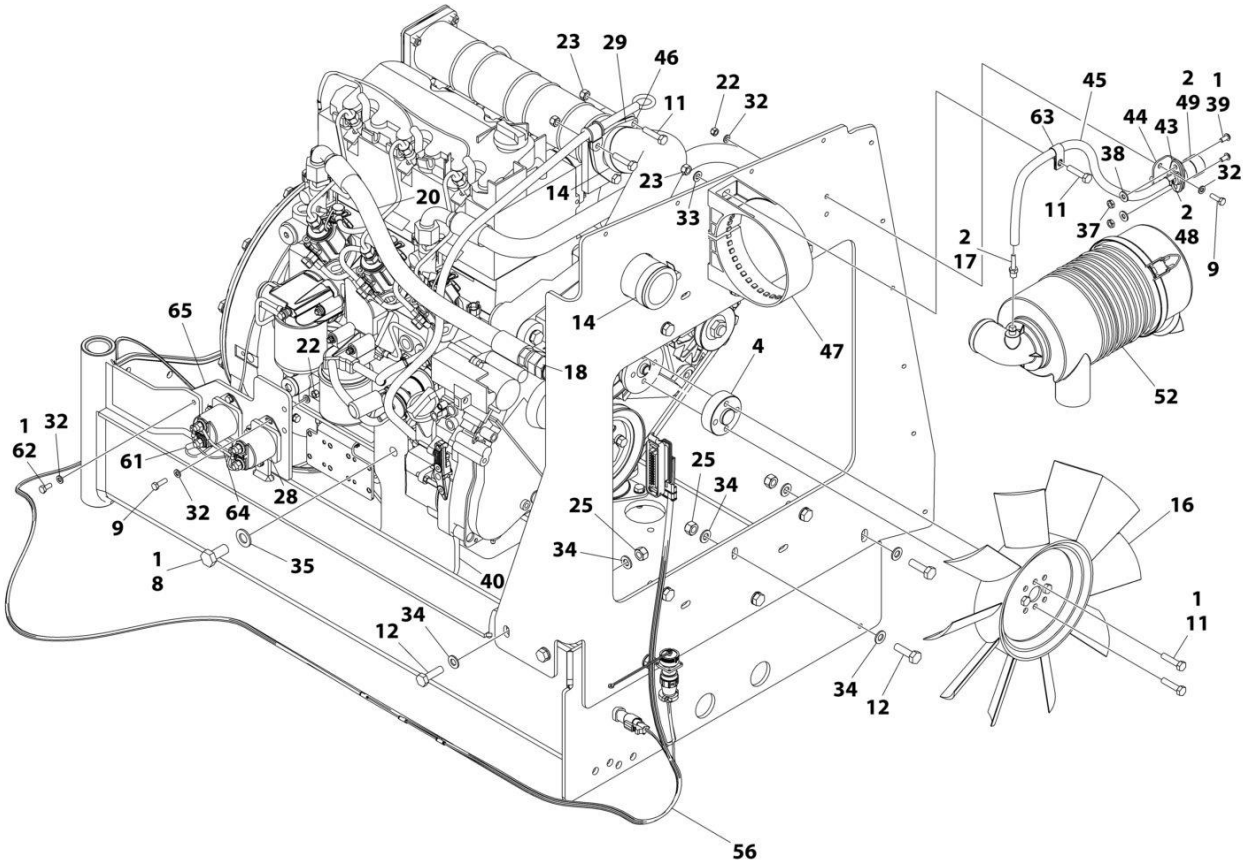

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FIGURE 3-17. DEUTZ D2.9L4 (STAGE V) ENGINE ASSEMBLY (Prior to SN 0300274547, Prior to SN E300008320)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235462	Ref	ENGINE ASSEMBLY - DEUTZ D2011 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE)	F
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0080231	1	Spacer, Fan	
7	0711224	4	Bolt M12 x 80	
8	0771414	8	Bolt M14 x 30	
9	0760610	6	Bolt M6 x 20	
10	0760814	8	Bolt M8 x 30	
11	0760815	9	Bolt M8 x 35	
12	0761015	11	Bolt M10 x 35	
13	0961951	2	Bushing	
14	1320016	2	Clamp	
15	1703162	2	Decal - Caution Fan	
16	2060025	1	Fan	
17	2220315	1	Fitting, Barbed	
18	2220451	2	Fitting, Straight JIC/ORB	
19	2720398	1	Hose	
20	2720447	1	Hose	
21	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
22	3290605	6	Nut M6	
23	3290805	13	Nut M8	
25	3291005	11	Nut M10	
26	3331215	4	Nut M12	
27	3520054	2	Plug	
28	3740067	2	Relay Assembly	
28	3300220	2	Nut	
28	3321001	1	Nut #10	
28	3740140	1	Relay	
28	4761000	1	Washer #10	
28	1001111424	2	Washer	
29	3960407	1	Gasket	
30	4060805	2.25 ft / 0.69m	Trim-Flex	
31	4240099	AR	Tie-Strap	
32	4811700	15	Washer M6	
33	4811900	20	Washer M8	
34	4812000	22	Washer M10	
35	4812200	8	Washer M14	
36	5241200	4	Washer M12	
37	8305401	2	Nut 1/4	
38	8307109	2	Washer 1/4	
39	8310548	2	Screw 1/4 NC x 1/2	
40	1001132195	1	Bracket, Engine Mount	
41	1001132196	1	Bracket, Engine Mount	
43	1001138173	1	Support, Service Indicator	
44	1001138175	1	Bracket, Service Indicator	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001138248	2 ft /0.61m	Tube	
46	1001139819	1	Adapter, Air Intake	
47	1001141694	1	Clamp, Air Cleaner	
48	1001141995	1	Fitting, Barbed	
49	1001143390	1	Indicator	
50	1001150998	1	Radiator	
52	1001165388	1	Air Cleaner Assembly	
52	70003783	1	Element, Air Cleaner	
53	1001165389	1	Hose	
54	1001166717	1	Bracket, Engine Mount	
55	1001166718	4	Isolator, Engine Mount	
56	1001167111	1	Harness Engine - Deutz D2011 (See Separate Breakdown in ELECTRICAL SECTION)	
57	1001167520	1	Tray, Engine	
58	1001168018	4	Washer, Snubbing	
59	1001168059	1	Plate, Radiator Mounting	
61	4923451	1	Harness, Glow Plugs	
62	0760614	3	Bolt M6 x 30	
63	8406109	1	Clip	
64	1001178859	1	Cable, Alternator	
65	1001214975	1	Bracket	

FIGURE 3-18. DEUTZ D2.9L4 (STAGE V) ENGINE COMPONENTS (Prior to SN 0300274547, Prior to SN E300008320)

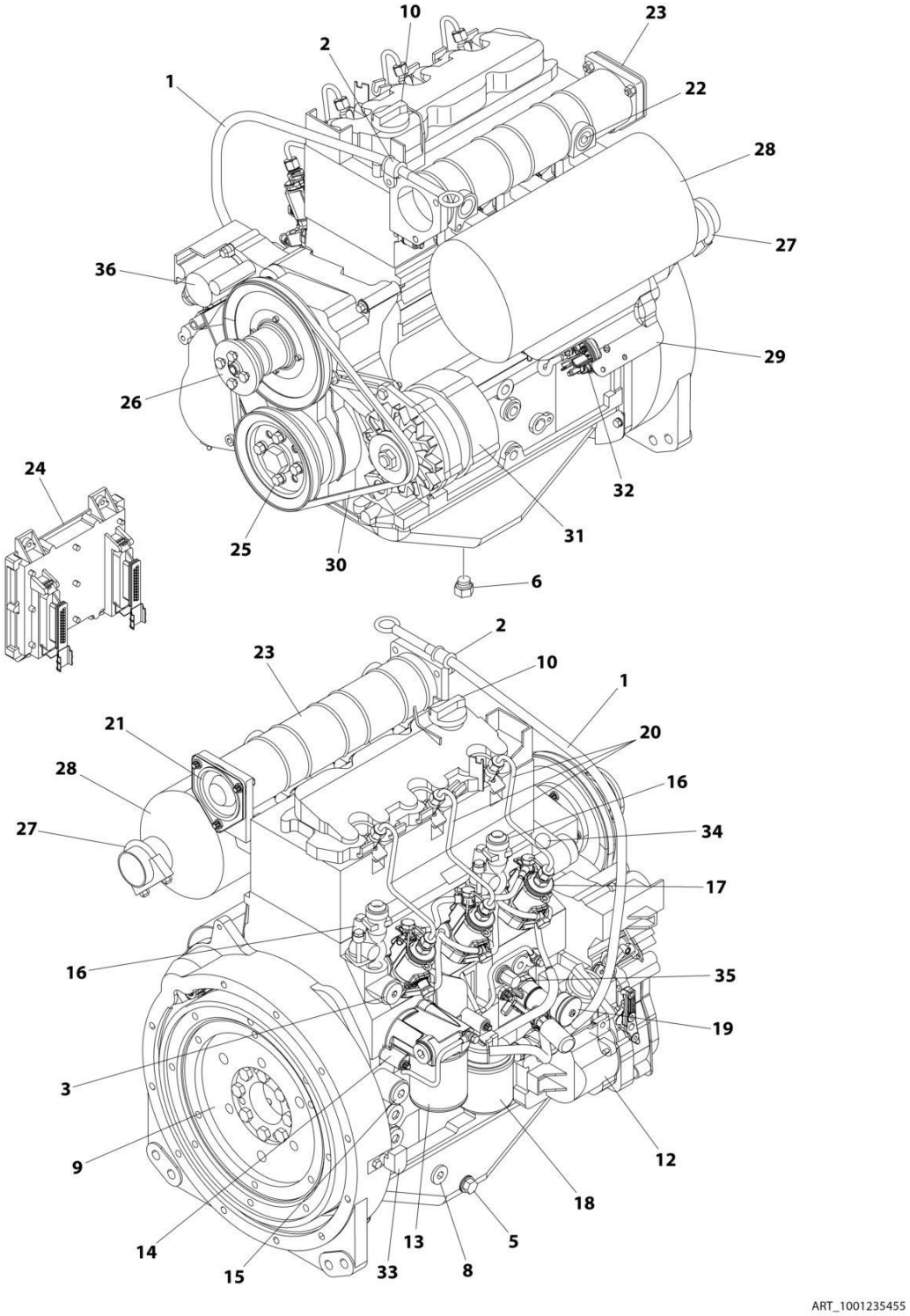


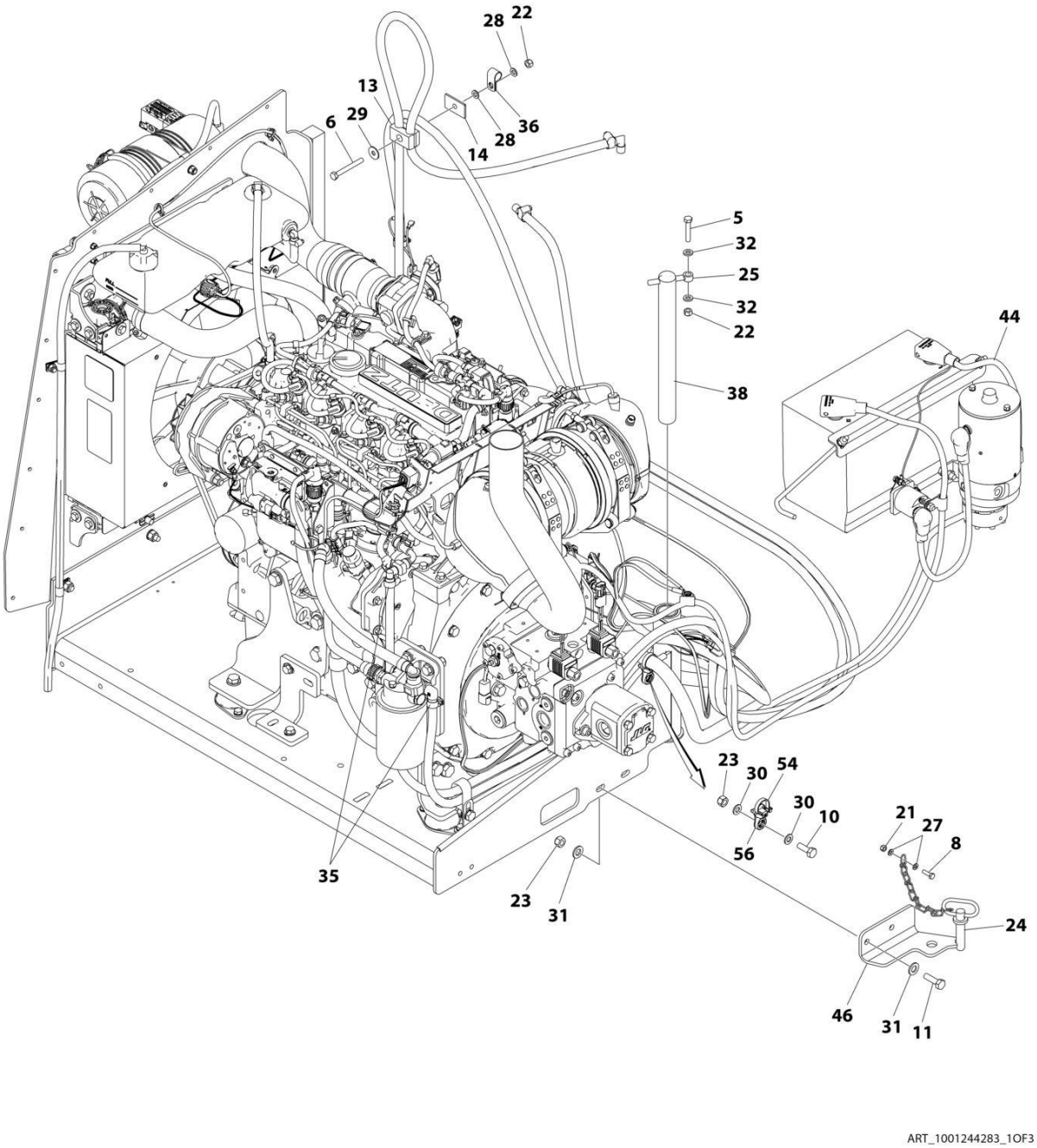
FIGURE 3-18. DEUTZ D2.9L4 (STAGE V) ENGINE COMPONENTS (Prior to SN 0300274547, Prior to SN E300008320)

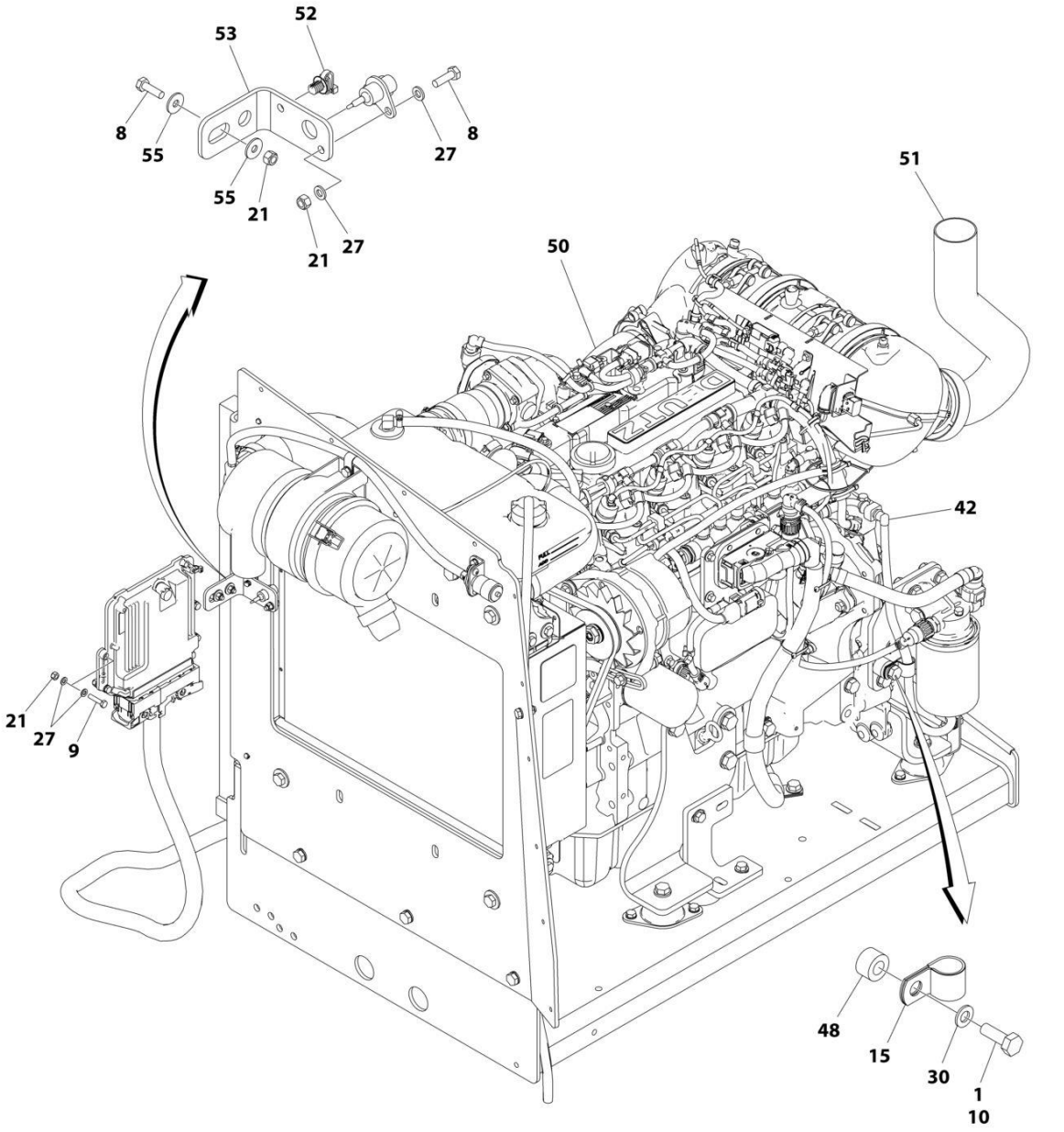
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235455	Ref	ENGINE COMPONENTS - DEUTZ D2011 (STAGE V) ENGINE	B
1	70001002	1	Tube, Dipstick	
1	7020403	1	Seal, Tube	
1	7020026	1	Dipstick	
2	70001654	1	Clamp	
2	70001655	1	Bolt	
3	70003475	1	Thermostat	
3	7020460	1	Spring	
4		Ref	Seal and Gasket Options (Not Shown):	
4	70002718	1	Seal, Rear Main	
4	7020430	1	Gasket, Valve Cover	
4	70003479	1	Gasket, Head - 1 Notch	
4	70003480	1	Gasket, Head - 2 Notch	
4	70003481	1	Gasket, Head - 3 Notch	
5	70025088	1	Plug	
6	70025667	1	Plug	
7	70025123	22	Bolt, Torx (Oil Pan Bolts) (Not Shown)	
8	7020492	1	Seal	
8	70025084	1	Plug	
9	70001870	1	Flywheel	
9	7024579	1	Ring Gear (Part of Flywheel)	
9	70025139	8	Bolt	
10	7020465	1	Cap, Oil Fill	
11	70000800	1	Timing Belt/Idler Kit (Includes Timing Belt, Tensioner and Tensioner Bolt) (Not Shown)	
12	70001850	1	Pump, Lubricating	
12	7020468	1	Seal, Pump to Engine Block (Not Shown)	
13	7016331	1	Filter, Oil	
14	70003472	1	Bracket, Oil Filter (Includes Plug with Seal, Temperature Sensor, Control Valve and Compression Spring)	
14	7027236	1	Sender, Temperature	
14	70025082	1	Seal, Plug	
14	70025091	1	Plug	
14	70003473	1	Gasket, Bracket to Engine Block (Not Shown)	
15	70001181	1	Valve	
15	70025091	1	Plug	
15	70025082	1	Seal, Plug	
16	70004268	2	Connector, Radiator Neck	
16	70004269	2	Seal, Radiator Neck to Engine Block	
17	70000912	3	Pump, Fuel Injector - A Spec	
17	70000913	3	Pump, Fuel Injector - B Spec	
17	70000914	3	Pump, Fuel Injector - C Spec	
17	70000915	3	Pump, Fuel Injector - D Spec	
17	70003464	3	O-Ring, Pump to Engine Block	
18	7020023	1	Filter, Fuel	
18	70003463	1	Filter, Fuel - RME Resistant	
18	70001423	1	Bracket, Fuel Filter	
19	70000916	1	Pump Fuel Supply	
19	70000917	1	O-Seal Between Fuel Pump and Engine Block	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	70000918	1	Sealing Ring Between Hand Pump and Supply Pump	
19	70000919	1	Pump, Hand	
19	70001435	1	Repair Kit	
19	70025694	2	Bolt, Torx	
20	70000931	3	Pipe, High Pressure	
21	70003469	1	Flange, Intake	
21	70003468	1	Seal	
22	70025084	1	Plug	
22	7020492	1	Seal, Plug	
23	7027903	1	Manifold, Air Intake	
23	70001871	3	Gasket Between Manifold and Engine Block	
24	7027795	1	Module, Engine Control	
24	7027796	1	Cable, Electrical Between Module and Engine Harness (Not Shown)	
24	70001872	1	Harness, Engine (Connects to p/n 70004060) (Not Shown)	
24	70004060	1	Plug, Connector Located on Cable Near Module (Not Shown)	
24	70004059	1	Plug, Analyzer (Not Shown)	
25	70025123	4	Bolt, Torx	
26	70000787	1	Support, Fan (Includes Support, Internal Shaft, Bearings and Circlip)	
27	70001844	1	Clamp	
28	See Note	1	Muffler (Note: See ENGINE ASSEMBLY)	
28	7020471	3	Gasket, Exhaust Between Muffler and Engine Block	
28	70004270	6	Stud, Muffler	
29	70001498	1	Shield, Starter	
29	70025693	3	Bolt	
30	70004102	1	V-Belt	
31	70004056	1	Alternator (Includes Voltage Regulator and Gaskets, Fan and Fan Mounting Hardware)	
31	70001868	1	Regulator, Voltage	
31	70001866	1	Gasket Set, Voltage Regulator	
31	70025131	1	Fan	
31	70025086	1	Nut, Fan	
31	70000851	1	Bracket, Alternator Mounting	
31	70002234	1	Bracket, Alternator Adjustment	
31	70004103	1	Harness, Alternator (Not Shown)	
32	7020479	1	Starter	
32	70025121	2	Bolt, Starter Mounting	
32	70004058	1	Relay	
32	70004062	1	Harness, Starter (Not Shown)	
33	7024565	1	Sensor, Speed	
33	70003931	1	Bolt	
33	70003932	1	Spacer, Sleeve	
34	7027791	1	Sender, Temperature	
35	7027790	1	Sensor, Oil Pressure	
36	7027792	1	Actuator	
37	70000345	3	Plug, Glow (Not Shown)	

FIGURE 3-19. DEUTZ D2.9L4 (STAGE V) ENGINE INSTALLATION (SN 0300274547 to Present, SN E300008320 to Present)




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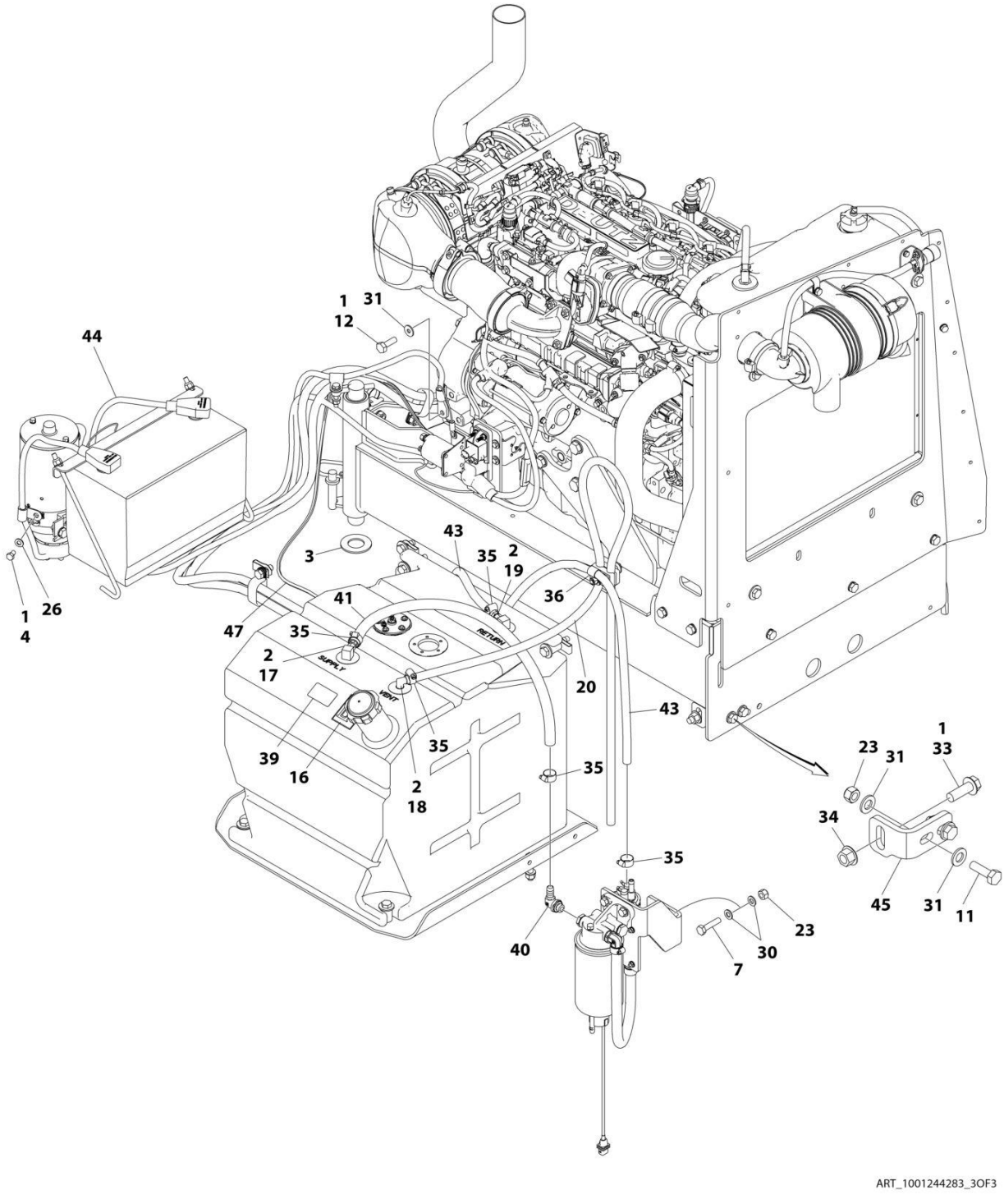

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FIGURE 3-19. DEUTZ D2.9L4 (STAGE V) ENGINE INSTALLATION (SN 0300274547 to Present, SN E300008320 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244283	Ref	ENGINE INSTALLATION - DEUTZ STAGE V ENGINE	G
1	0100011	AR	Compound, Locking	
2	0100020	1	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0700822	1	Bolt M8 x 70	
7	0701017	2	Bolt M10 x 45	
8	0760610	4	Bolt M6 x 20	
9	0760613	4	Bolt M6 x 28	
10	0761014	4	Bolt M10 x 30	
11	0761015	2	Bolt M10 x 35	
12	0771212	1	Bolt M12 x 25	
13	1320187	1	Clamp	
14	1320190	1	Clamp	
15	1320061	1	Clamp	
16	1701505	1	Decal - Diesel Fuel	
17	2180832	1	Fitting, Barbed	
18	2220313	1	Fitting, Barded 90 3/8 NPTF / 3/8	
19	2220767	AR	Fitting, Barbed 90	
19	8430007	AR	Fitting, Barbed	
20	2750532	5.5 ft /1.69m	Hose	
21	3290605	8	Nut M6	
22	3290805	2	Nut M8	
23	3291005	7	Nut M10	
24	3422532	1	Pin	
25	3841143	1	Keeper, Pin	
26	4711500	1	Washer, 5/16	
27	4811700	12	Washer, M6	
28	4811900	2	Washer, M8	
29	4811902	1	Washer, M8	
30	4812000	7	Washer, M10	
31	4812100	9	Washer, M12	
32	5240800	2	Washer, M8 Hardened	
33	5251215	1	Bolt M12 x 35	
34	5261200	1	Nut, Flange M12 Class10	
35	8405006	7	Clamp	
36	8406101	1	Clip	
38	1001135196	1	Pin	
39	1001139654	1	Decal, Ultra Low Sulfer Fuel	
40	1001142501	1	Fitting, Barbed 90	
41	1001154405	2.29 ft /0.70m	Hose	
42	1001155823	1	Coupling, Quick Disconnect 90	
43	1001165035	21.06 ft /6.42m	Hose	
44	1001166970	1	Battery and Auxiliary Power Pump Cable Kit	
45	1001167512	1	Bracket, Engine Tray	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001169823	1	Plate, Engine Lock	
47	1001173342	1	Harness, Fuel Pump (See Separate Breakdown in ELECTRICAL SECTION)	
48	1001220266	1	Bar, Spacer M12 x 12	
50	1001244285	1	Engine Assy, Deutz Stage V W/Pumps (See Separate Breakdown in this Section)	
51	1001245305	1	Pipe, Exhaust	
52	1001146588	2	Strap	
53	1001256879	1	Bracket	
54	1062255	AR	Tie-Strap (Not Shown)	
55	4811702	4	Washer M6	
56	1001156107	1	Holder	

FIGURE 3-20. DEUTZ D2.9L4 (STAGE V) ENGINE AND PUMP SUB-ASSEMBLY (SN 0300274547 to Present, SN E300008320 to Present)

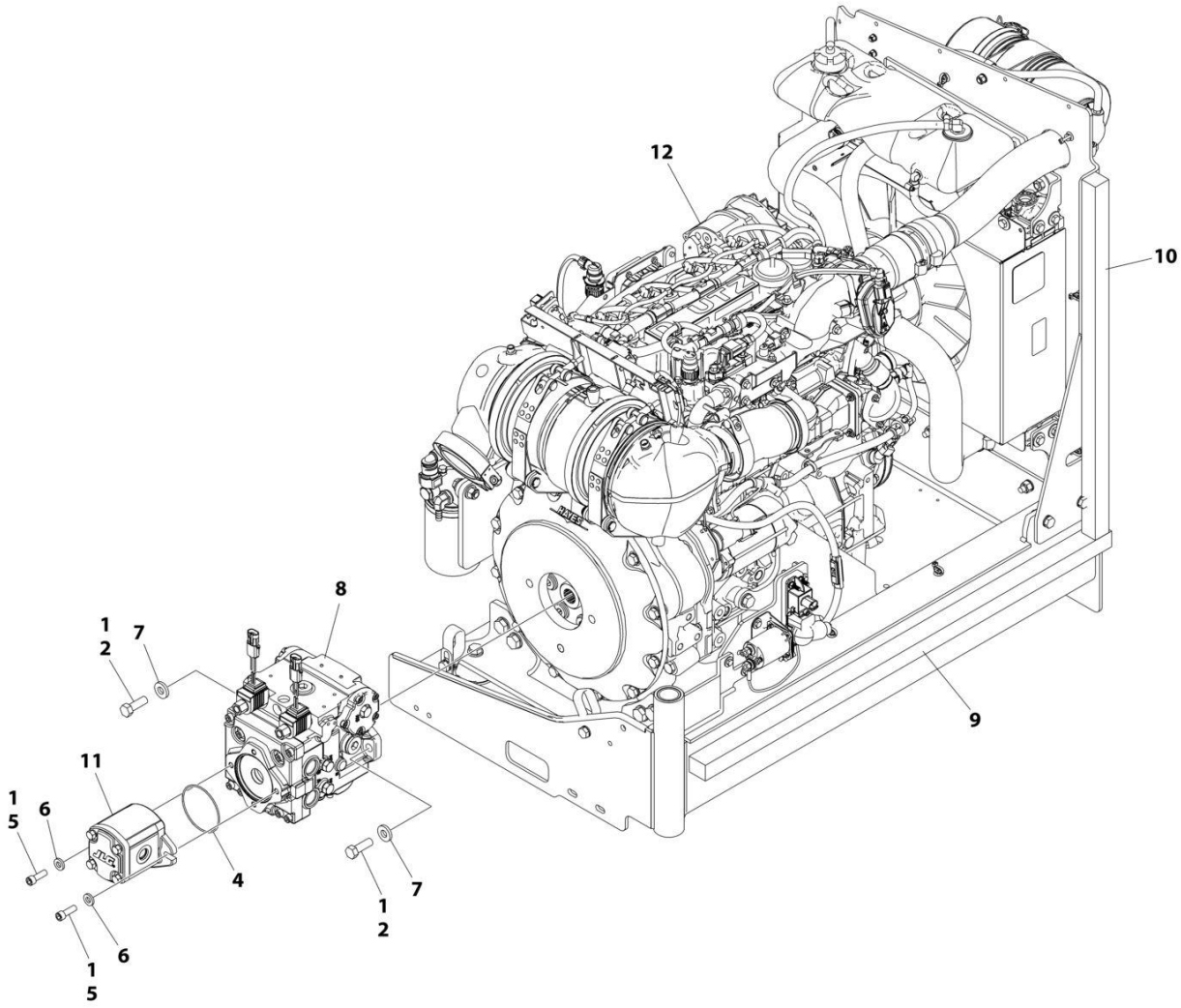
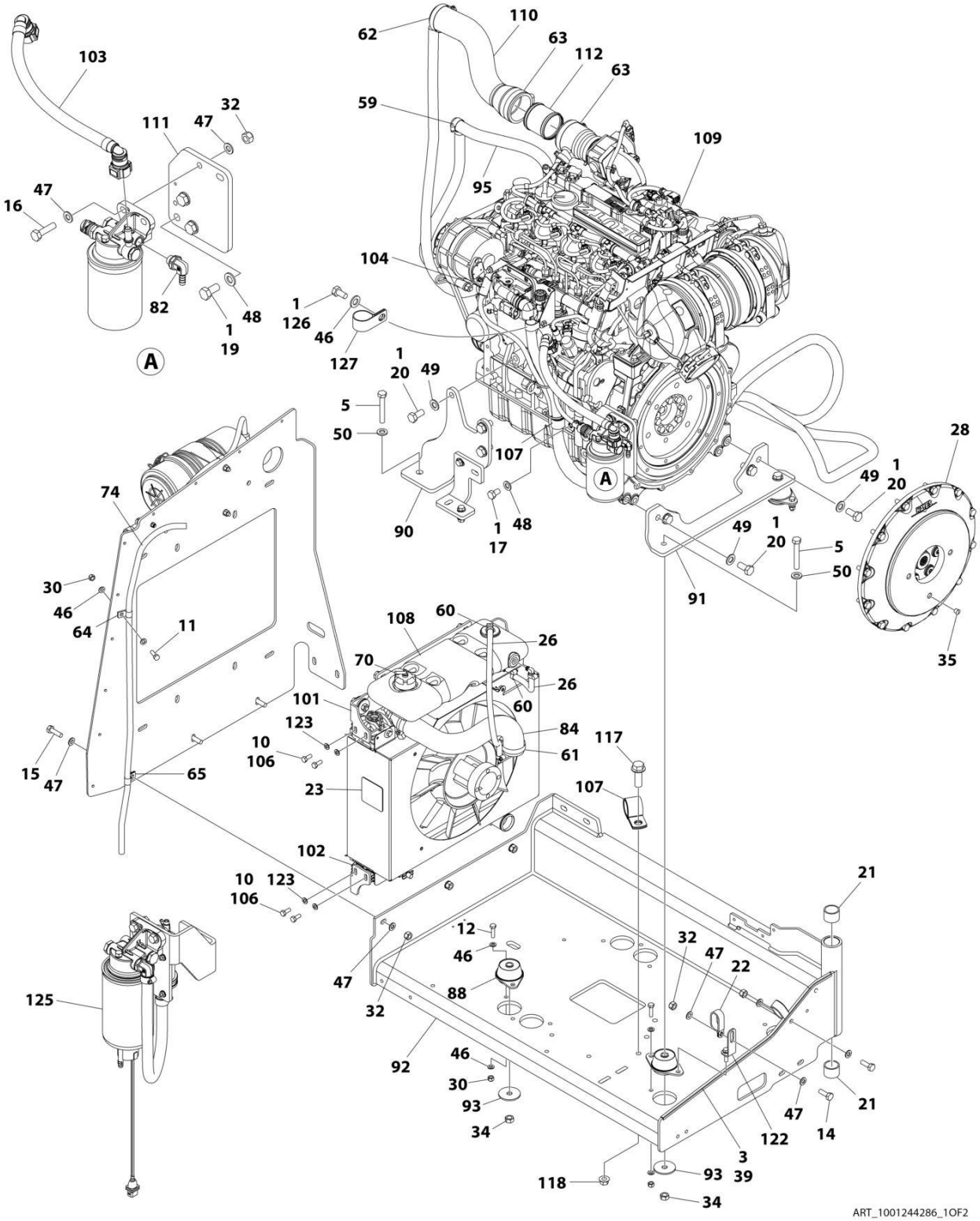
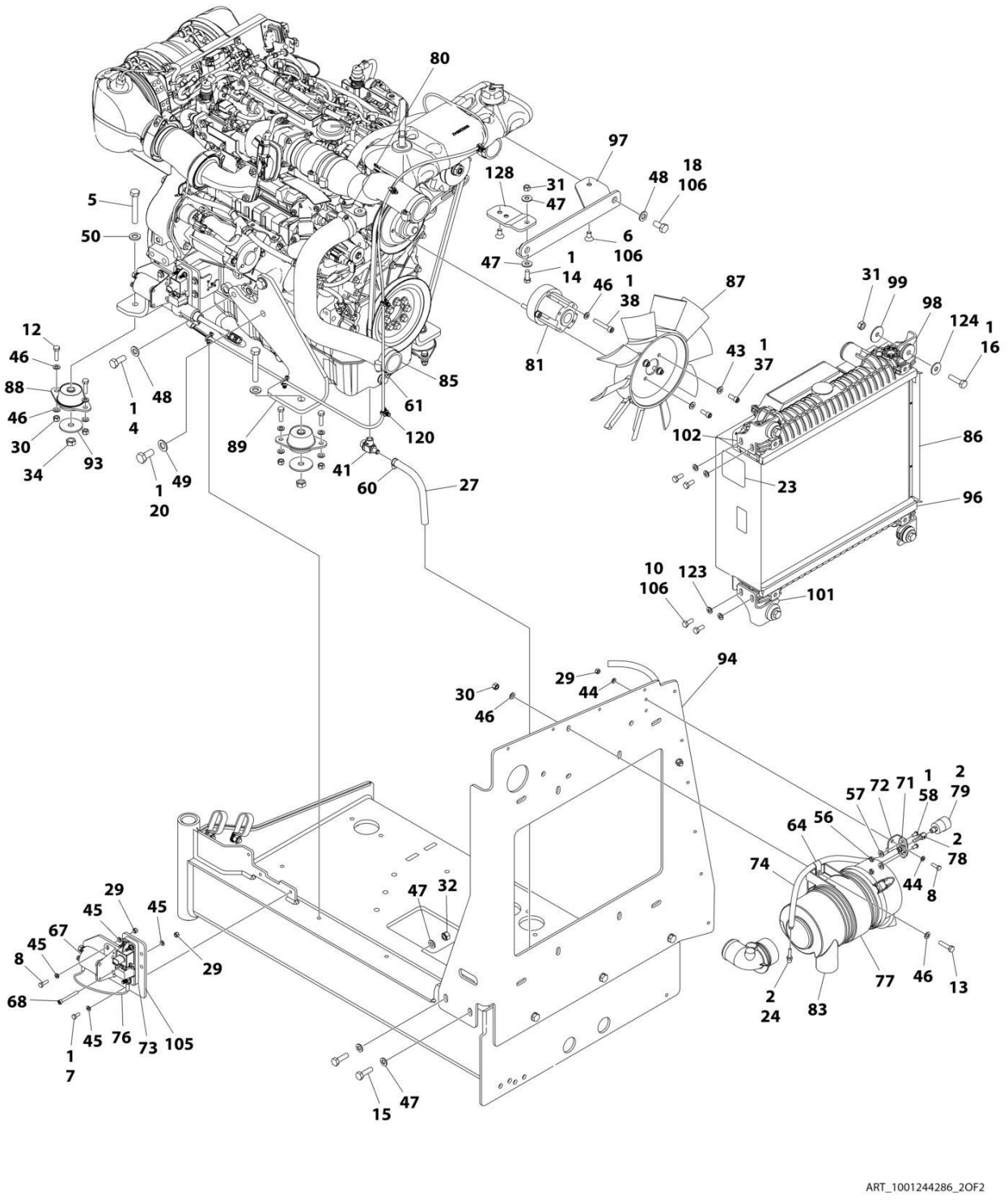


FIGURE 3-20. DEUTZ D2.9L4 (STAGE V) ENGINE AND PUMP SUB-ASSEMBLY (SN 0300274547 to Present, SN E300008320 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244285	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ (STAGE V) ENGINE	E
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
4	3790152	1	O-Ring	
5	3931618	2	Capscrew, 3/8 x 1-1/8	
6	4891600	2	Washer, 3/8 Hardened	
7	4891800	2	Washer 1/2 Hardened	
8	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
9	1001171953	1	Seal	
10	1001171954	1	Seal	
11	1001214207	1	Gear Pump Assembly	
11	70006356	1	Seal Kit - 1001214207 Pump	
12	1001244286	1	Engine Assembly, Deutz (Stage V) Engine (See Separate Breakdown in this Section)	

FIGURE 3-21. DEUTZ D2.9L4 (STAGE V) ENGINE ASSEMBLY (SN 0300274547 to Present, SN E300008320 to Present)





ART_1001244286_2OF2

FIGURE 3-21. DEUTZ D2.9L4 (STAGE V) ENGINE ASSEMBLY (SN 0300274547 to Present, SN E300008320 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244286	Ref	ENGINE ASSEMBLY, DEUTZ (STAGE V) ENGINE	K
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0711214	1	Bolt M12 x 30	
5	0711224	AR	Bolt M12 x 80	
6	0741606	2	Screw 3/8 x 3/4	
7	0760607	3	Bolt M6 x 14	
8	0760610	4	Bolt M6 x 20	
10	0760810	8	Bolt M8 x 20	
11	0760812	1	Bolt M8 x 25	
12	0760814	AR	Bolt M8 x 30	
13	0760815	2	Bolt M8 x 35	
14	0761014	3	Bolt M10 x 30	
15	0761015	5	Bolt M8 x 35	
16	0761016	6	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771212	3	Bolt M12 x 25	
20	0771414	9	Bolt M14 x 30	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2220315	1	Fitting, Barbed	
26	2720015	1.94 ft /0.59m	Hose	
27	2720340	0.66 ft/ 0.20m	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	5	Nut M6	
30	3290805	AR	Nut M8	
31	3291001	5	Nut M10	
32	3291005	9	Nut M10	
34	3331215	4	Nut M12 x 1.75	
35	3520054	1	Plug	
37	3931512	4	Capscrew, 5/16 x 3/4	
38	4031914	4	Bolt M8 x 50	
39	4060805	2.03 ft /0.62m	Flex-Trim	
40	4240099	AR	Tie-Strap (Not Shown)	
41	4640751	1	Valve, Oil Drain	
43	4711500	4	Washer 5/16	
44	4811700	4	Washer M6	
45	4811702	8	Washer M6	
46	4811900	AR	Washer M8	
47	4812000	20	Washer M10	
48	4812100	7	Washer M12	
49	4812200	AR	Washer M14	
50	5241200	AR	Washer M12	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
56	8305401	2	Nut Jam	
57	8307109	2	Washer 1/4	
58	8310548	2	Screw 1/4 x 1/2	
59	8405007	2	Clamp	
60	8405009	5	Clamp	
61	8405104	4	Clamp	
62	8405202	1	Clamp	
63	8405204	2	Clamp	
64	8406109	2	Clip	
65	8406110	1	Clip	
67	1001117308	1	Relay, 200Amp	
68	1001118878	1	Bolt M6 x 55	
70	1001136834	1	Cap, Tank	
71	1001138173	1	Support, Service Indicator	
72	1001138175	1	Bracket, Service Indicator	
73	1001138228	1	Relay, Power Module	
74	1001138248	5.09 ft /1.55m	Tube	
76	1001141304	1	Harness, Glow Plug	
77	1001141694	1	Clamp, Air Cleaner	
78	1001141995	1	Fitting, Barbed	
79	1001143390	1	Indicator	
80	1001143797	1	Fitting, Barbed	
81	1001144116	1	Spacer, Fan	
82	1001152489	1	Fitting, Barbed 90	
83	1001165388	1	Air Cleaner Assembly	
83	70003783	1	Element, Air Cleaner	
84	1001165405	1	Hose, Upper Radiator	
85	1001165406	1	Hose, Lower Radiator	
86	1001165722	1	Radiator	
87	1001165849	1	Fan	
88	1001166718	AR	Mount, Motor	
89	1001166921	1	Plate, Engine Mount	
90	1001166922	1	Plate, Engine Mount (Prior to PVC2107)	
91	1001166924	1	Plate, Engine Mount	
92	1001167520	1	Tray, Engine	
93	1001168018	AR	Washer, Special	
94	1001168026	1	Plate, Radiator Mounting	
95	1001168099	1	Hose	
96	1001168166	2	Seal	
97	1001260420	1	Bracket (note: may require P/N 1001260412)	
98	1001169054	4	Isolator	
99	1001169138	4	Washer, Snubbing	
101	1001169967	2	Bracket	
102	1001170035	2	Bracket	
103	1001177359	1	Hose	
104	1001178788	1	Cable, Alternator	
105	1001179903	1	Bracket	
106	1001180620	AR	Adhesive	
107	1001191620	2	Clamp	
108	1001230635	1	Tank, Surge (Includes Items 62, 70, & 73)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
109	1001232545	1	Engine, Deutz 2.9L4 (Stage V) (See Separate Breakdown in this Section)	
110	1001236780	1	Hose, Air Intake	
111	1001258804	1	Mount, Fuel Filter	
112	1001238911	1	Pipe, Air Intake	
113	1001245839	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
117	5251215	1	Bolt M12 x 35	
118	5261200	1	Nut, Flange M12 Class10	
120	1001146588	AR	Tie-Strap (Not Shown)	
122	1001223122	1	Support	
123	4811902	8	Washer M8	
124	4812002	4	Washer M10	
125	1001235949	1	Bracket (See Separate Breakdown in this Section)	
126	0760808	1	Bolt M8 x 16	
127	8406201	1	Clip	
128	1001260412	1	Bracket	

FIGURE 3-22. DEUTZ D2.9L4 (STAGE V) ENGINE COMPONENTS (SN 0300274547 to Present, SN E300008320 to Present)

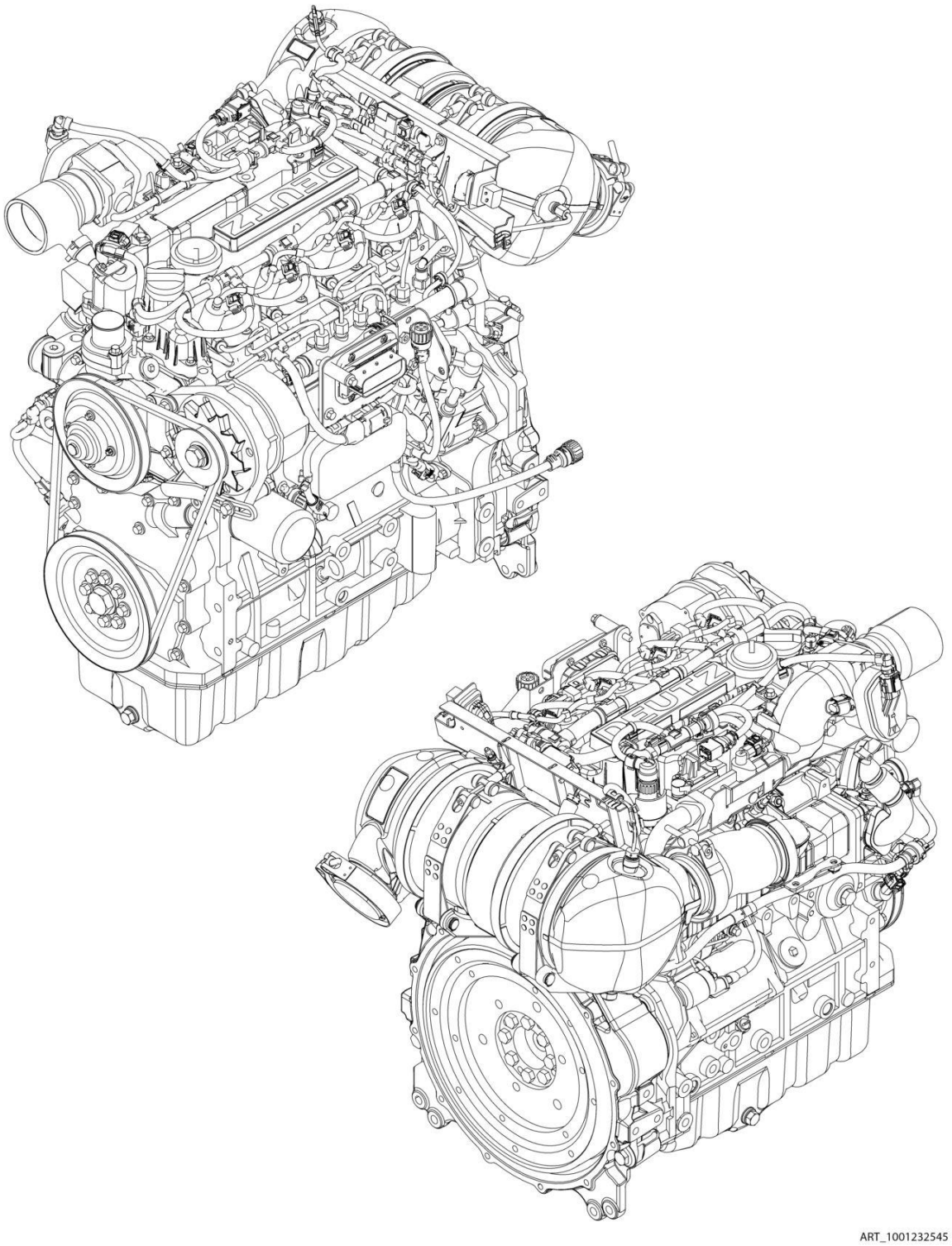


FIGURE 3-22. DEUTZ D2.9L4 (STAGE V) ENGINE COMPONENTS (SN 0300274547 to Present, SN E300008320 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232545	Ref	DEUTZ ENGINE COMPONENTS	H
		Ref	Note: For complete list of parts, contact JLG Parts Department	
		Ref	Air Intake System Components	
		Ref	Charge Air Pipe	
	70025168	1	Intake Pipe	
		Ref	Mixing Tube	
		Ref	Throttle Valve	
		Ref	Cooling System Components	
	70029797	1	Pump, Coolant (Includes Gasket & Seals)	
	70007603	1	Thermostat	
	70005184	1	O-Ring	
	70005931	1	Gasket	
	70025142	1	Cover	
		Ref	Electrical System Components	
	70029512	1	Module, ECU/ECM	
	70007784	1	Alternator	
	70031143	1	Module, Alternator Control	
	70029015	1	Fan, Alternator	
	70029402	1	Nut, Alternator Fan	
	70029403	1	Nut, Alternator Power Stud	
	70029404	1	Washer, Alternator Power Stud Spring	
	70031144	1	Starter (Includes Solenoid)	
	70025099	1	Bolt, Starter Mounting	
	70026210	1	Sender, Tacho-Generator (Speed) (On Rear of Block) (Includes Seal)	
	70024916	1	Sender, Tacho-Generator (Speed) (On Cover) (Includes Seal)	
	70024918	1	Sender, Temperature (Includes Seal) (On Air Intake Manifold)	
		Ref	Sensor, Pressure (Includes Seal) (On Air Intake Manifold)	
	70024504	1	Sensor, Pressure (Includes Seal) (On Fuel Filter & Side of Block)	
	70005504	1	Sensor, Pressure (Includes Seal) (On Exhaust Manifold)	
	70027405	1	Sensor, Temperature (Includes Seal) (On Exhaust Manifold)	
	70000345	4	Plug, Glow	
		Ref	Exhaust System Components	
		Ref	Valve, EGR	
	70025130	8	Bolt, Exhaust Manifold	
	70025164	1	Gasket, Exhaust Manifold	
		Ref	Outlet, Muffler	
		Ref	Muffler	
		Ref	Bracket, Muffler Mounting	
	70004504	1	Compensator, Exhaust	
		Ref	Fuel System Components	
		Ref	Pump, High Pressure	
	70004281	1	Injector (Includes Sealing washer, Clamp & O-Ring)	
	70006144	1	Pump, Fuel Supply (Includes Clamps)	
	70024961	1	Filter, Fuel (Pre-Filter Assembly) (Includes Head, Spin on filter, Sensor Cable & Seal)	
	70025153	1	Filter, Fuel Spin On	
	70024513	1	Sensor Cable (Includes Seal)	
	70025160	1	Filter, Fuel (Assembly) (Includes Head & Spin on Filter)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70025161	1	Filter, Fuel Spin On	
	70004508	1	Vol. Control Valve (Includes O-Ring & Gasket)	
		Ref	Lubricating System Components	
	7020465	2	Cap, Oil Fill	
	70005941	2	Plug, Oil Drain	
	70005942	2	Seal, Oil Drain Plug	
	70005172	1	Pump, Oil (Includes Seal & Gasket)	
	7016331	1	Filter, Oil	
	70024494	1	Cooler, Oil	
	70024925	1	Gasket, Oil Cooler	
	70024904	1	Dipstick (Includes Seal)	
		Ref	Mechanical Components	
	70001870	1	Flywheel (includes Gear)	
	70024913	1	V-Belt	
		Ref	Gasket Set - Complete	

FIGURE 3-23. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES)

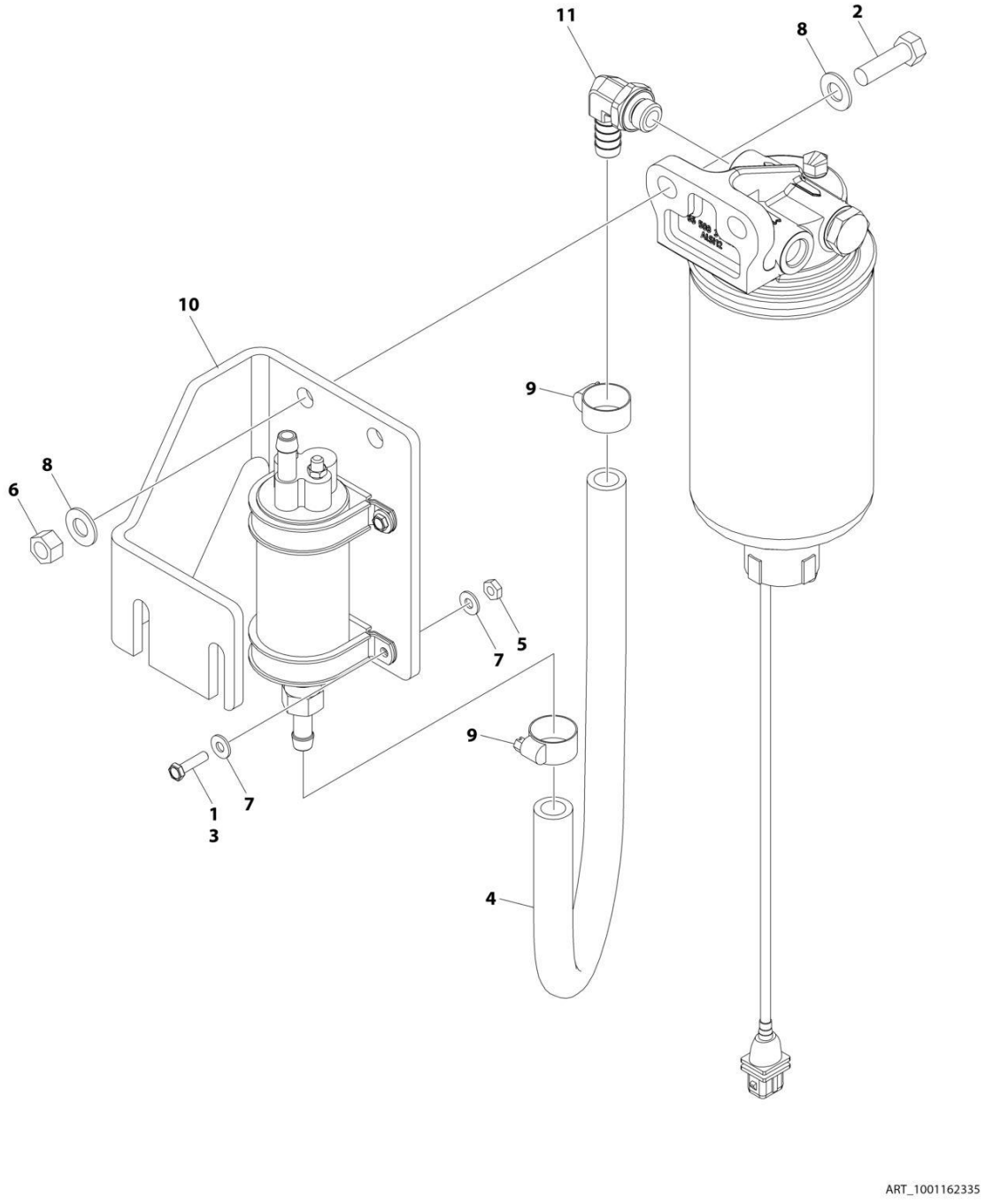


FIGURE 3-23. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162335	Ref	BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)	E
1	0100011	AR	Compound, Locking	
2	0641610	2	Bolt 3/8 x 1-1/4	
3	0721006	4	Bolt #10 x 3/4	
4	1001154405	AR	Hose	
5	3311001	4	Nut #10	
6	3311605	2	Nut 3/8	
7	4711000	8	Washer #10	
8	4711600	4	Washer 3/8	
9	8405006	2	Clamp	
10	1001141870	1	Plate, Fuel Pump Mount	
11	1001142501	1	Fitting, Elbow Barbed	

FIGURE 3-24. BREATHER HEATER INST (DEUTZ D2.9L4 ENGINES)

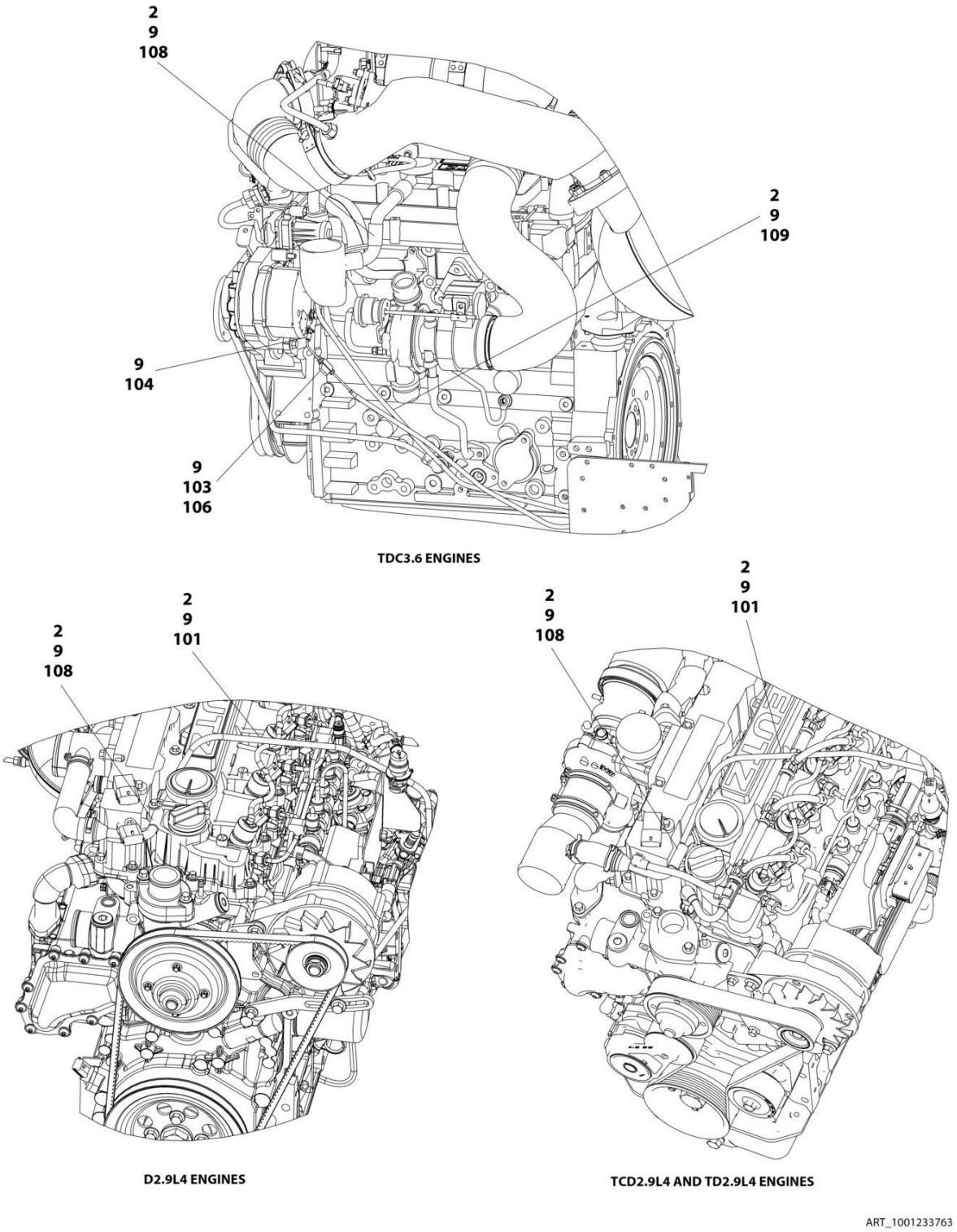


FIGURE 3-24. BREATHER HEATER INST (DEUTZ D2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233763	Ref	BREATHER HEATER INSTALLATION - DEUTZ ENGINES	D
2	4240099	AR	Tie-Strap	
9	1001243895	1	Breather Heater Harness	C
101	2820035	AR	Insulation	
103	2400060	1	Fuseholder with Cover	
104	4460043	1	Terminal, Ring	
105	4460722	1	Terminal, Ring (Not Shown)	
106	1001196634	1	Fuse - 2 Amp	
108	1001232842	1	Breather Heater Kit	

FIGURE 3-25. ENGINE MOUNT (WITH GENERATOR) – DEUTZ D2.9L4 (STAGE V) ENGINE (CE SPECS)

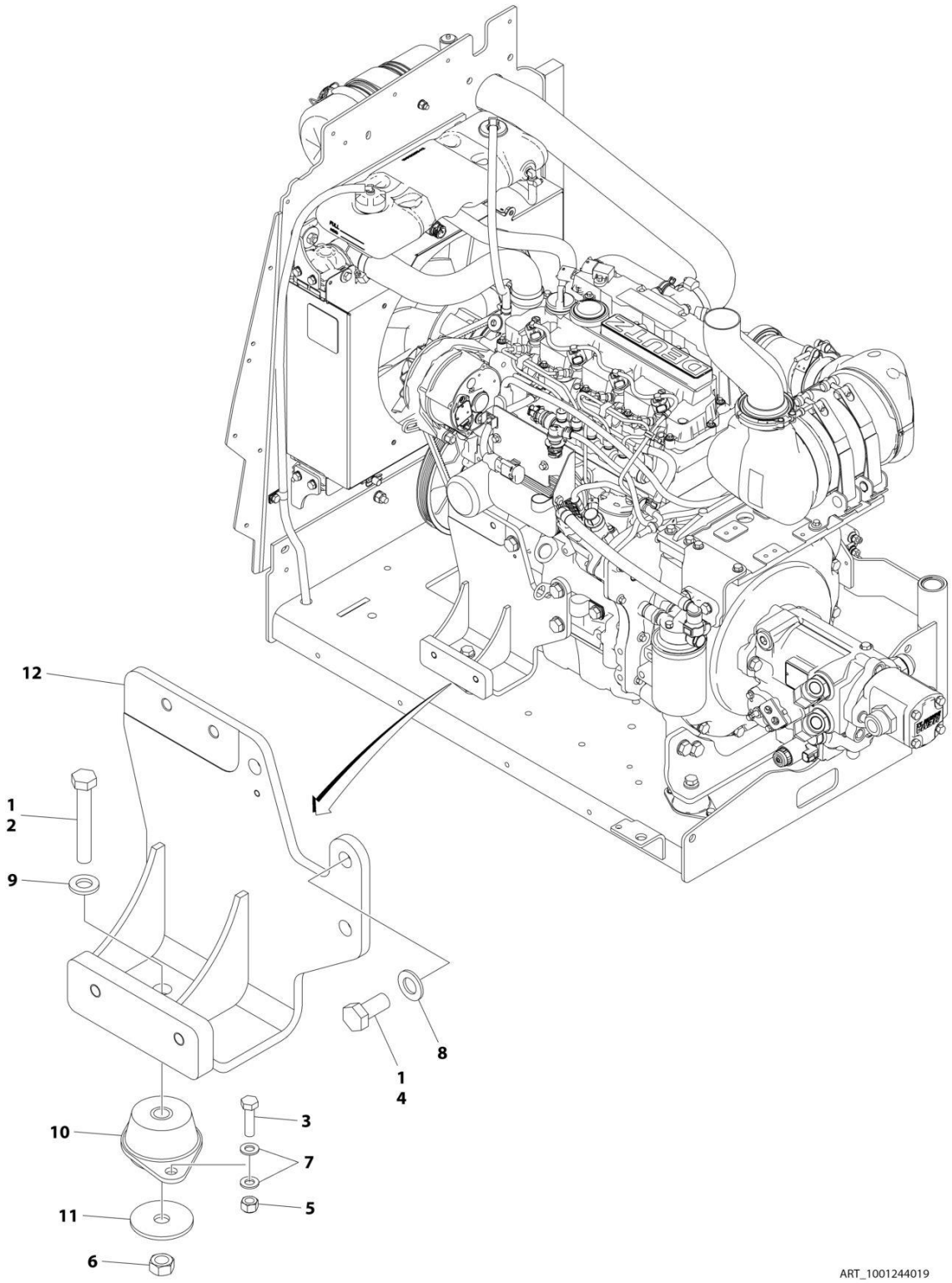


FIGURE 3-25. ENGINE MOUNT (WITH GENERATOR) – DEUTZ D2.9L4 (STAGE V) ENGINE (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244019	Ref	MOTOR MOUNT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0760814	2	Bolt M8 x 30	
4	0771414	3	Bolt M14 x 30	
5	3290805	2	Nut M8	
6	3331211	1	Nut M12	
7	4811900	4	Washer M8	
8	4812200	3	Washer M14	
9	5241200	1	Washer M12	
10	1001166718	1	Mount, Motor	
11	1001168018	1	Washer	
12	1001168207	1	Mount	

FIGURE 3-26. ENGINE MOUNT (WITHOUT GENERATOR) – DEUTZ D2.9L4 (STAGE V) ENGINE (CE SPECS)

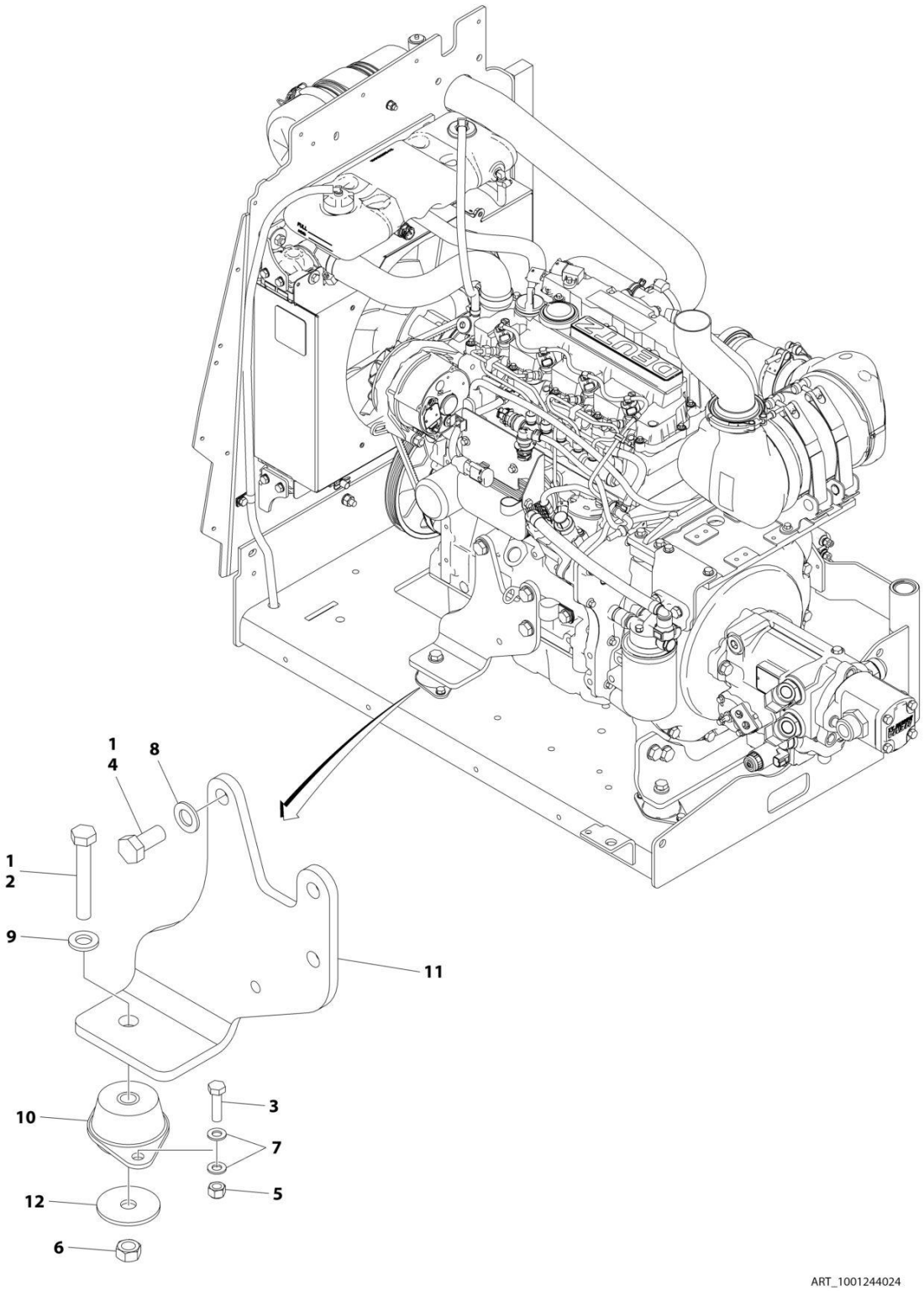
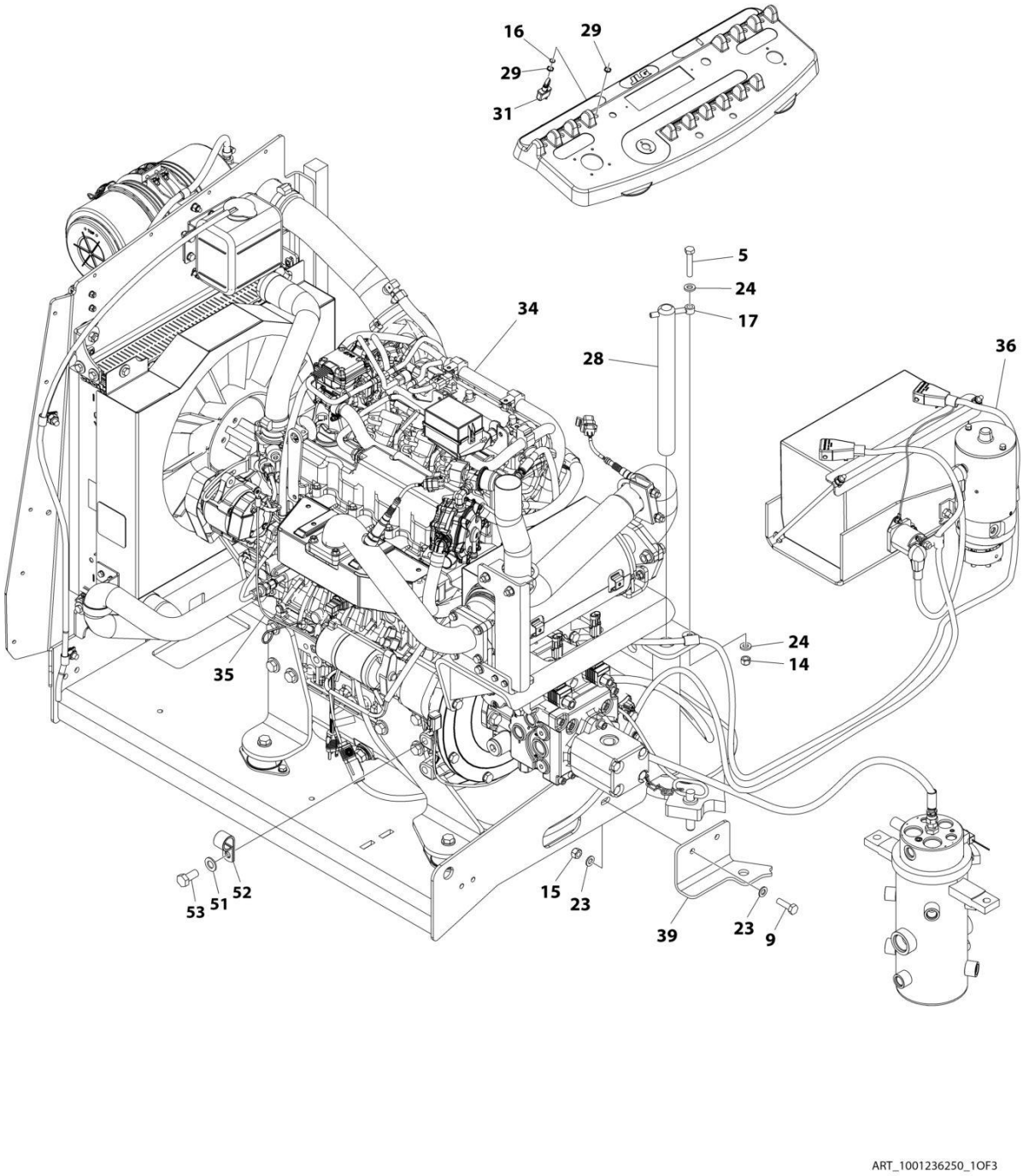
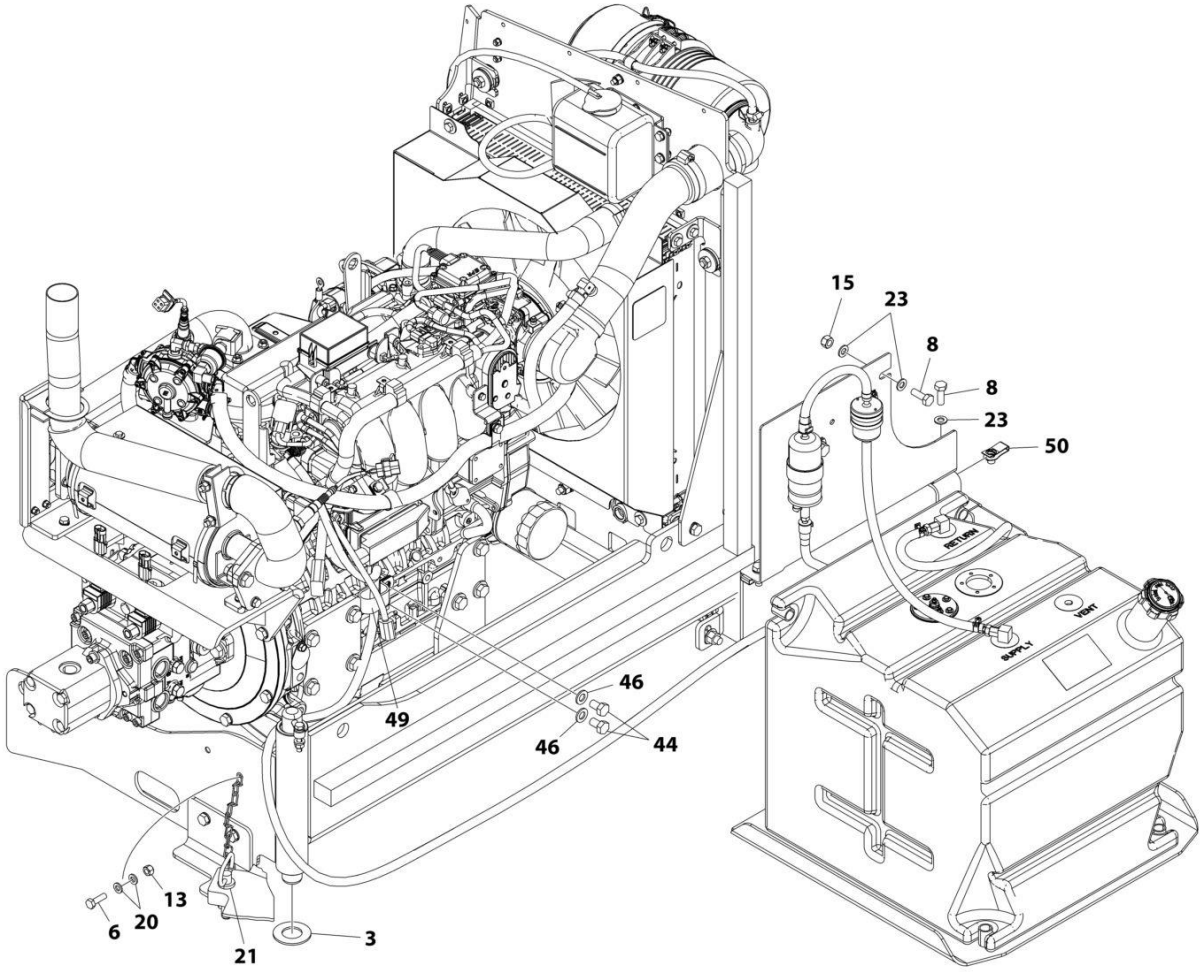


FIGURE 3-26. ENGINE MOUNT (WITHOUT GENERATOR) – DEUTZ D2.9L4 (STAGE V) ENGINE (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244024	Ref	MOTOR MOUNT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0760814	2	Bolt M8 x 30	
4	0771414	3	Bolt M14 x 30	
5	3290805	2	Nut M8	
6	3331211	1	Nut M12	
7	4811900	4	Washer M8	
8	4812200	3	Washer M14	
9	5241200	1	Washer M12	
10	1001166718	1	Mount, Motor	
11	1001166922	1	Mount	
12	1001168018	1	Washer	

FIGURE 3-27. KUBOTA ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)





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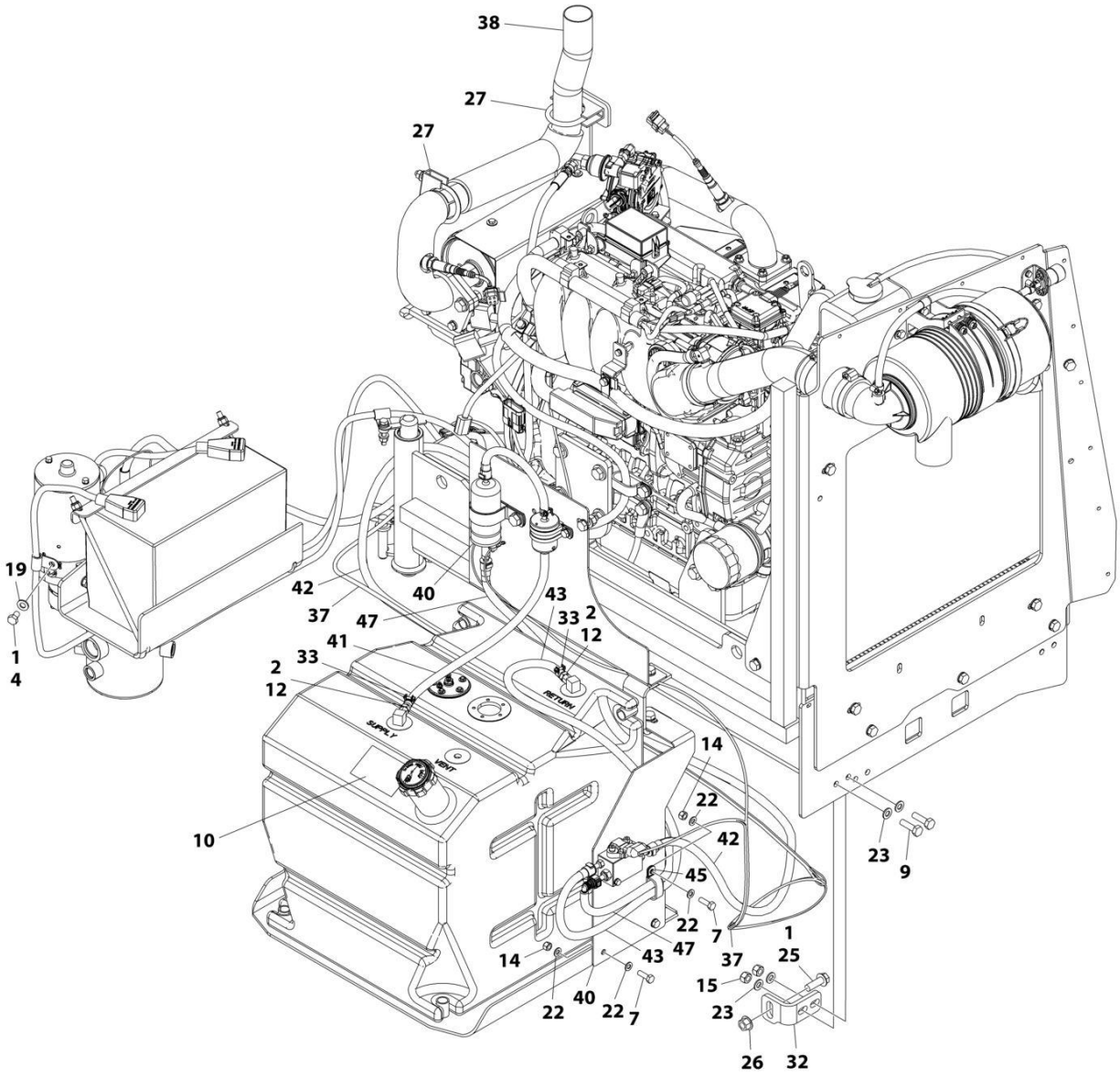

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ART_1001236250_3OF3

FIGURE 3-27. KUBOTA ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236250	Ref	ENGINE INSTALLATION - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0760610	1	Bolt M6 x 20	
7	0760812	3	Bolt M8 x 25	
8	0761014	4	Bolt M10 x 30	
9	0761015	4	Bolt M10 x 35	
10	1701542	2	Decal - Gas	
11	1701543	1	Decal - LPG (Not Shown)	
12	2180348	2	Fitting, Barbed	
13	3290605	1	Nut M6	
14	3290805	4	Nut M8	
15	3291005	5	Nut M10	
16	3790012	1	O-Ring	
17	3841143	1	Keeper, Pin	
18	4240099	AR	Tie-Strap (Not Shown)	
19	4711500	1	Washer 5/16	
20	4811700	2	Washer M6	
21	3422532	1	Pin	
22	4811900	6	Washer M8	
23	4812000	13	Washer M10	
24	5240800	2	Washer M8	
25	5251215	1	Bolt M12 x 35	
26	5261200	1	Nut M12 (Grade 10.9)	
27	1001217785	2	Clamp, Muffler	
28	1001135196	1	Pin	
29	1001155044	2	Nut 15/32	
31	1001161710	1	Switch, Toggle	
32	1001167512	1	Bracket, Engine Tray Stow	
33	1001174486	2	Clamp	
34	1001236254	1	Engine and Pump Sub-Assembly - Kubota Engine (Without Arctic Package) (See Separate Breakdown in this Section)	
35	1001212257	1	Cable, Kubota Alternator	
36	1001213062	1	Cable, Battery Cable Kit	
37	1001213599	1	Harness Engine - Kubota Engine (See Separate Breakdown in ELECTRICAL SECTION)	
38	1001214502	1	Pipe, Tail Pipe	
39	1001215259	1	Plate, Engine Lock	
40	1001215801	1	Mount, Fuel System	
41	1001156819	20 in/ 53cm	Hose	
42	1001216396	1	Hose	
43	1001216397	1	Hose	
44	1001217494	2	Bolt M12 x 20	
45	1321283	1	Clamp	
46	4812100	2	Washer M12	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001216399	1	Hose	
49	1001195039	1	Clamp	
50	1001118972	3	Nut M10	
51	4812200	1	Washer M14	
52	24431386	1	Support Clamp 15/16	
53	1001217345	1	Bolt M14 x 30	
54	1001229798	1	Harness - Kubota Dual Fuel Power (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
55	4460466	8	Terminal, Sealing Plug (Not Shown)	
56	4460930	1	Plug, Male - 8 Position (Deutsch) (Not Shown)	

FIGURE 3-28. KUBOTA ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

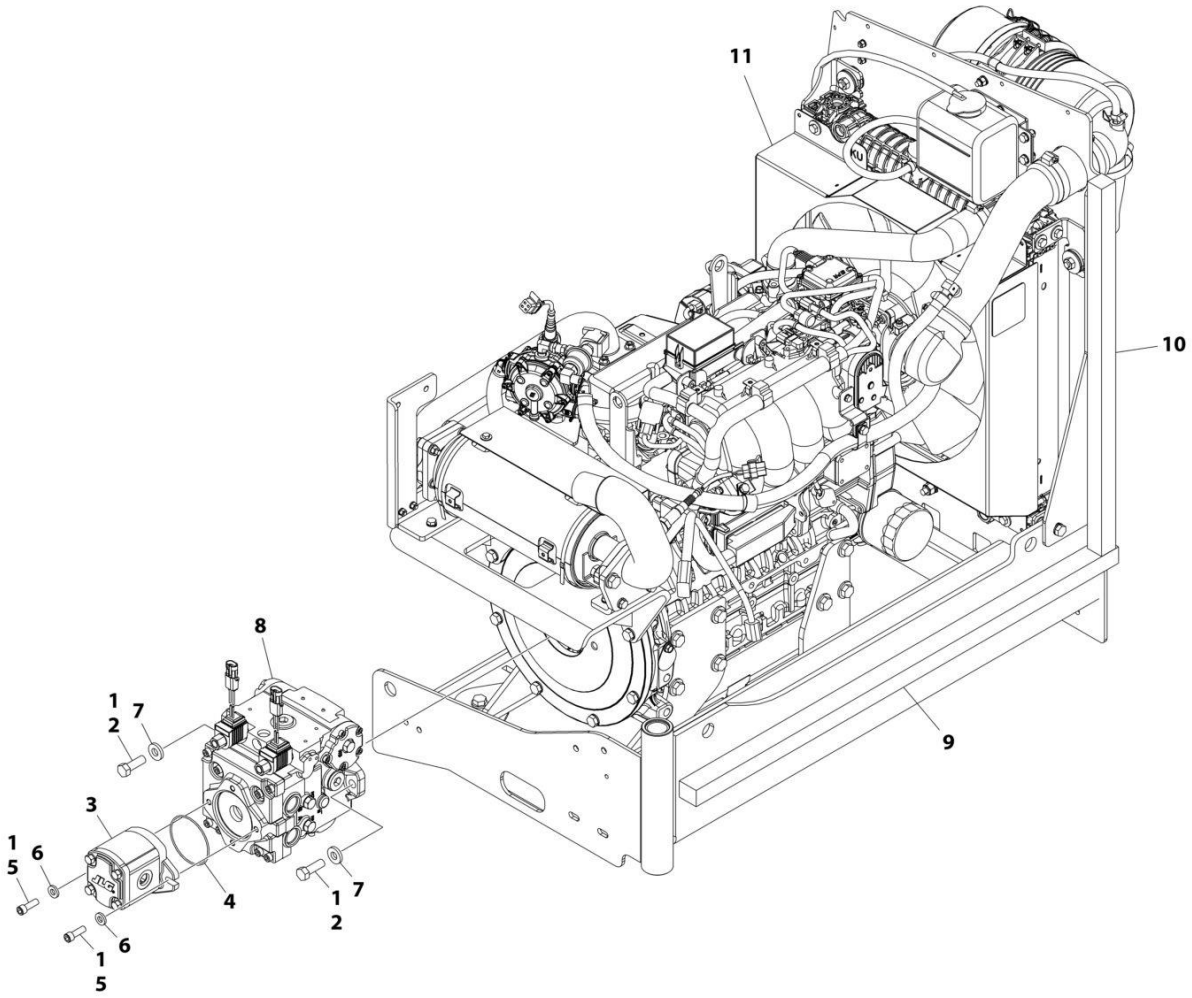
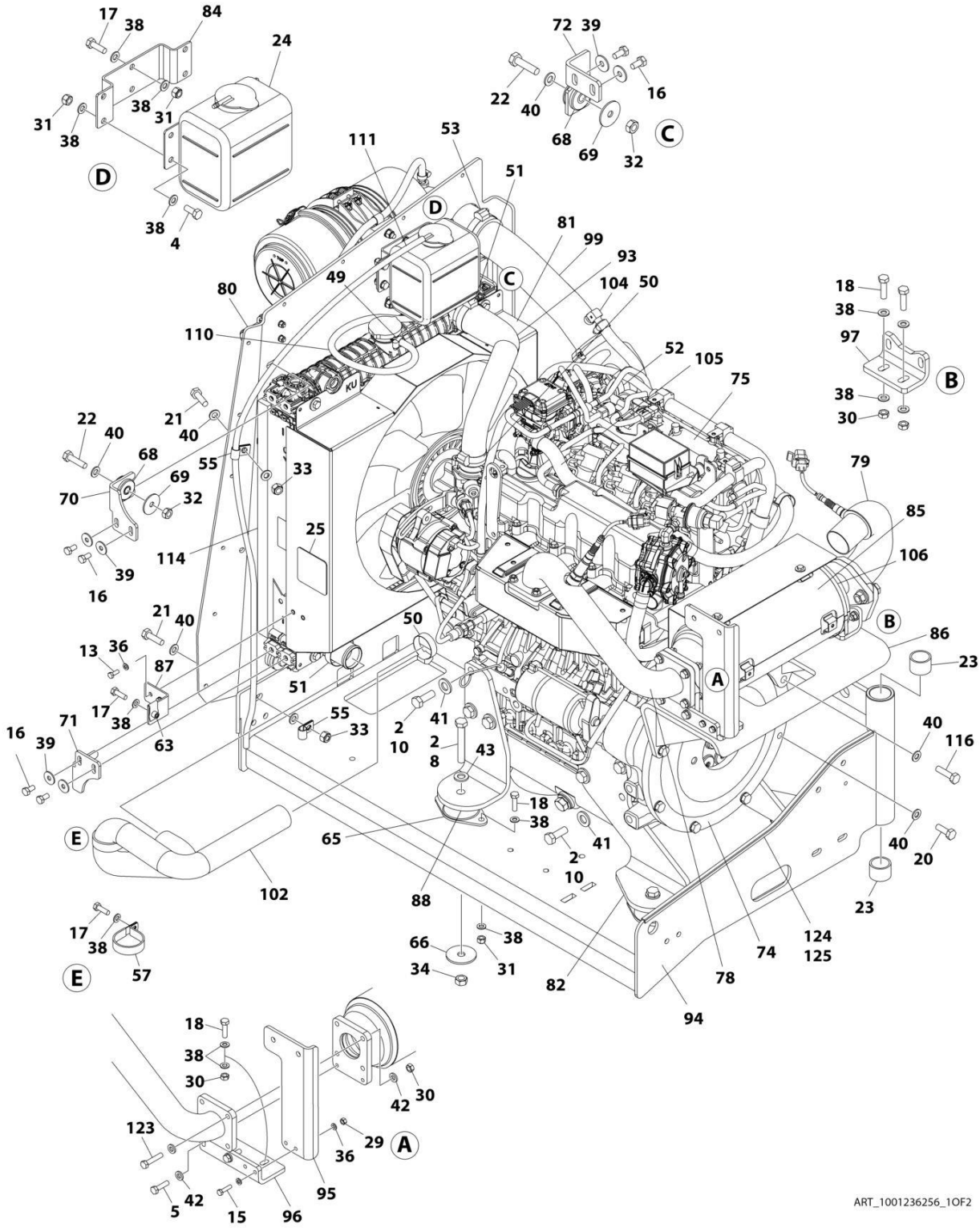


FIGURE 3-28. KUBOTA ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236254	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)	A
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	1001214207	1	Pump, Gear	
3	70006356	1	Seal Kit - 1001214207 Pump	
4	3790152	1	O-Ring	
5	3931618	2	Bolt 3/8 x 1-1/8	
6	4891600	2	Washer 3/8	
7	4891800	2	Washer 1/2	
8	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
9	1001171953	1	Seal, Gasket	
10	1001171954	1	Seal, Gasket	
11	1001236256	1	Engine Assembly - Kubota Engine (Without Arctic Package) (See Separate Breakdown in this Section)	

FIGURE 3-29. KUBOTA ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)



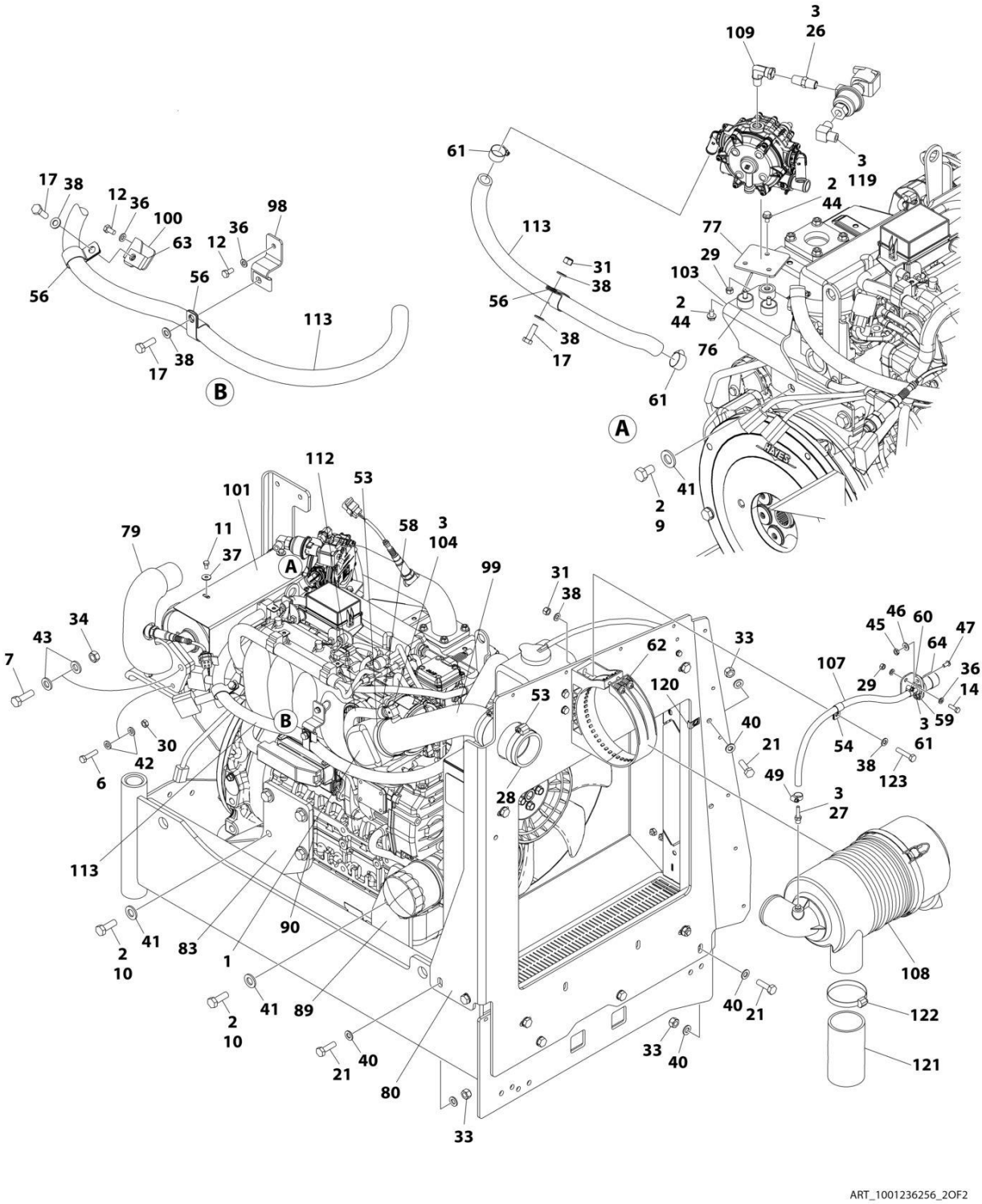

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FIGURE 3-29. KUBOTA ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)

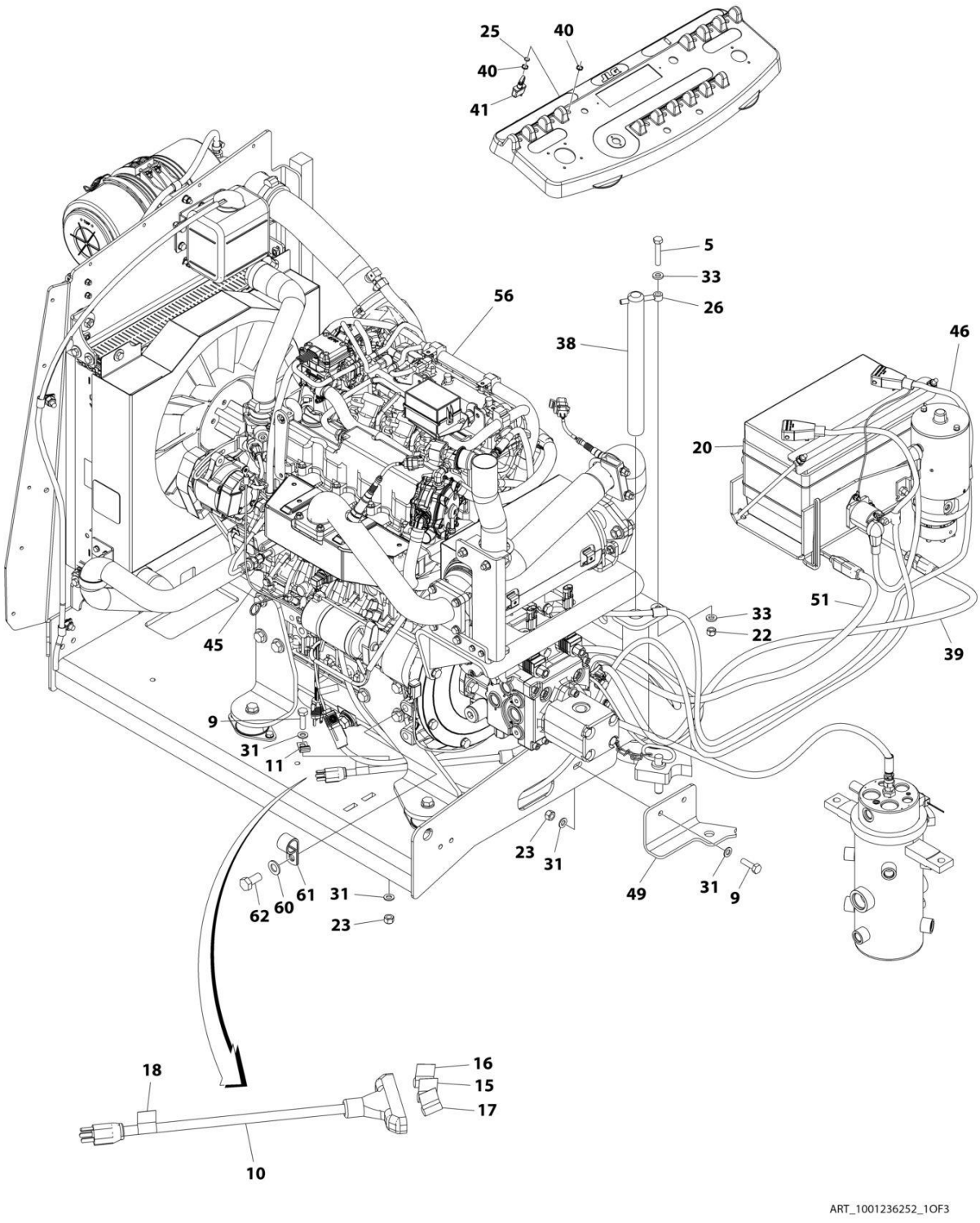
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236256	Ref	ENGINE ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)	E
1	0080201	1	Adapter, 90	
2	0100011	AR	Compound, Locking	
3	0100020	AR	Sealant, Pipe	
4	0700810	4	Bolt M8 x 20	
5	0700814	2	Bolt M8 x 30	
6	0700815	2	Bolt M8 x 35	
7	0701216	2	Bolt M12 x 40	
8	0701224	4	Bolt M12 x 80	
9	1001217494	2	Bolt M12 x 20	
10	1001217343	14	Bolt M12 x 35	
11	0760605	4	Bolt M6 x 10	
12	0760606	2	Bolt M6 x 12	
13	0760608	2	Bolt M6 x 16	
14	0760610	2	Bolt M6 x 20	
15	0760612	2	Bolt M6 x 25	
16	0760808	8	Bolt M8 x 16	
17	0760812	6	Bolt M8 x 25	
18	0760814	12	Bolt M8 x 30	
19	0760815	1	Bolt M8 x 35	
20	0761014	4	Bolt M10 x 30	
21	0761015	6	Bolt M10 x 35	
22	0761016	4	Bolt M10 x 40	
23	0961951	2	Bushing	
24	1580011	1	Container, Coolant Overflow	
25	1703162	2	Decal - Caution Fan	
26	2220261	1	Fitting, Nipple NPTF/NPTF	
27	2220315	1	Fitting, Barbed	
28	2720644	1	Hose	
29	3290607	5	Nut M6	
30	3290801	10	Nut M8	
31	3290805	17	Nut M8	
32	3291001	4	Nut M10	
33	3291005	6	Nut M10	
34	3291201	6	Nut M12	
35	4240099	AR	Tie-Strap (Not Shown)	
36	4811700	12	Washer M6	
37	4811702	4	Washer M6	
38	4811900	45	Washer M8	
39	4811902	8	Washer M8	
40	4812000	24	Washer M10	
41	5241400	16	Washer M14	
42	5240800	14	Washer M8	
43	5241200	8	Washer M12	
44	5250605	3	Bolt M6 x 10	
45	8305401	2	Nut 1/4	
46	8307109	2	Washer 1/4	
47	8310548	2	Screw 1/4 NC x 1/2	
48	1001173535	2	Clamp	

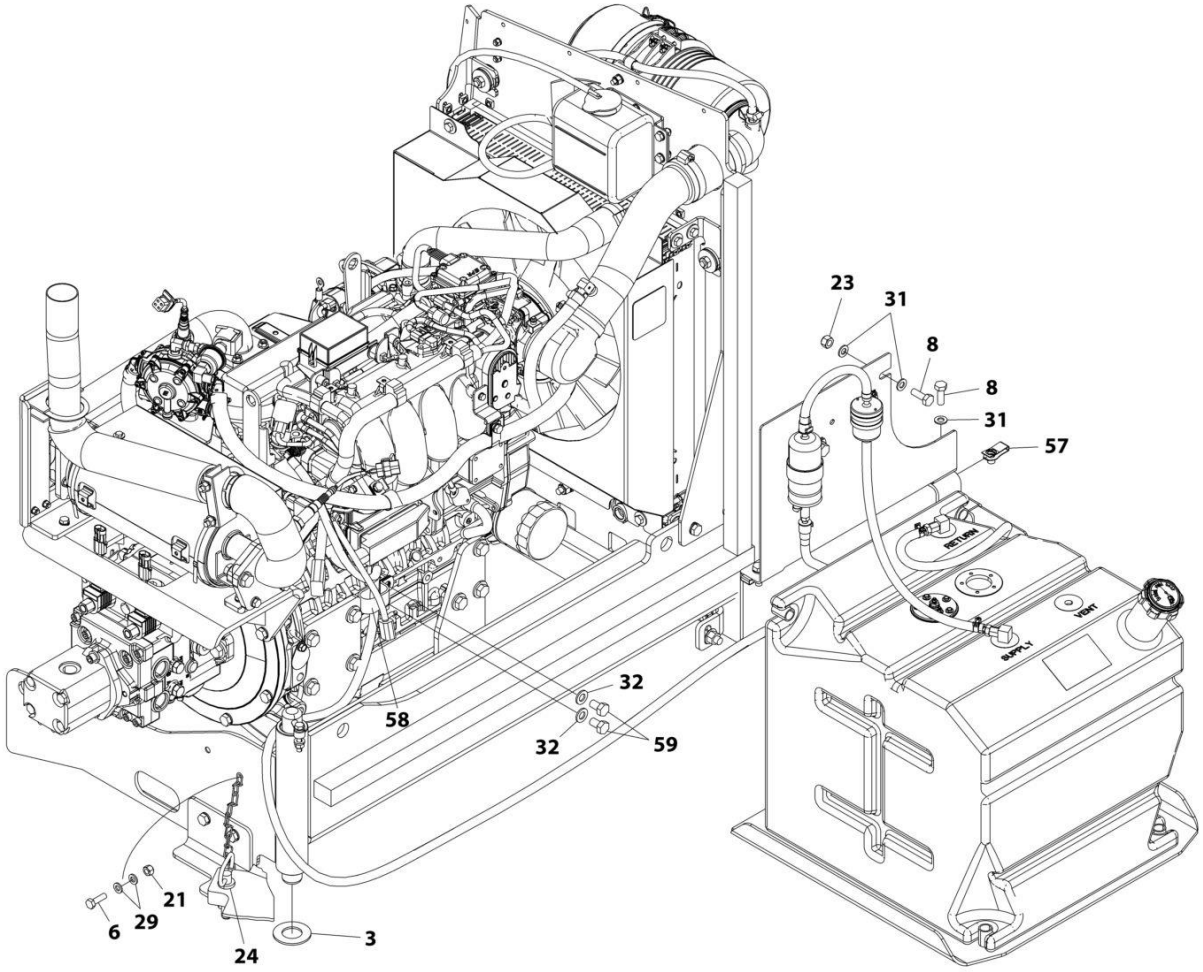
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	8405009	4	Clamp	
50	8405102	2	Clamp	
51	8405104	2	Clamp	
52	8405202	1	Clamp	
53	8405203	3	Clamp	
54	8406109	1	Clip	
55	8406110	2	Clip	
56	8406201	3	Clip	
57	8410001	1	Clamp	
58	8410009	6	Clamp	
59	1001138173	1	Support, Service Indicator	
60	1001138175	1	Bracket, Service Indicator	
61	1001141995	1	Fitting, Barbed	
62	1001147812	1	Clamp, Air Cleaner	
63	1001149160	3	Nut M8	
64	1001149639	1	Indicator, Air Intake	
65	1001166718	4	Isolator, Engine Mount	
66	1001168018	4	Washer, Snubbing	
67	1001168166	2	Seal	
68	1001169054	4	Isolator, Radiator	
69	1001169138	4	Washer, Snubbing	
70	1001169967	2	Bracket	
71	1001170035	1	Bracket	
72	1001176330	1	Bracket	
73	1001180620	AR	Adhesive	
74	1001209844	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
75	1001236393	1	Engine, Kubota (See Separate Breakdown in this Section)	
76	1001211794	3	Mount	
77	1001211797	1	Mount	
78	1001212989	1	Pipe, Exhaust (Inlet)	
79	1001212993	1	Pipe Exhaust (Outlet)	
80	1001213305	1	Plate, Mounting	
81	1001236257	1	Radiator	
82	1001213425	1	Plate, Engine Mount (Left Rear)	
83	1001213426	1	Plate, Engine Mount (Right Rear)	
84	1001213482	1	Bracket	
85	1001213824	1	Insulation	
86	1001214138	1	Bracket	
87	1001214205	1	Support	
88	1001214233	1	Plate (Front Left)	
89	1001214234	1	Plate (Front Right)	
90	1001214276	1	Shim	
91	1001214277	1	Shim	
92	1001214278	2	Shim	
93	1001214307	1	Hose	
94	1001214508	1	Support	
95	1001214553	1	Support	
96	1001214555	1	Bracket	
97	1001214556	1	Bracket	
98	1001214558	1	Bracket	
99	1001214598	1	Tube	

SECTION 3 - ENGINE

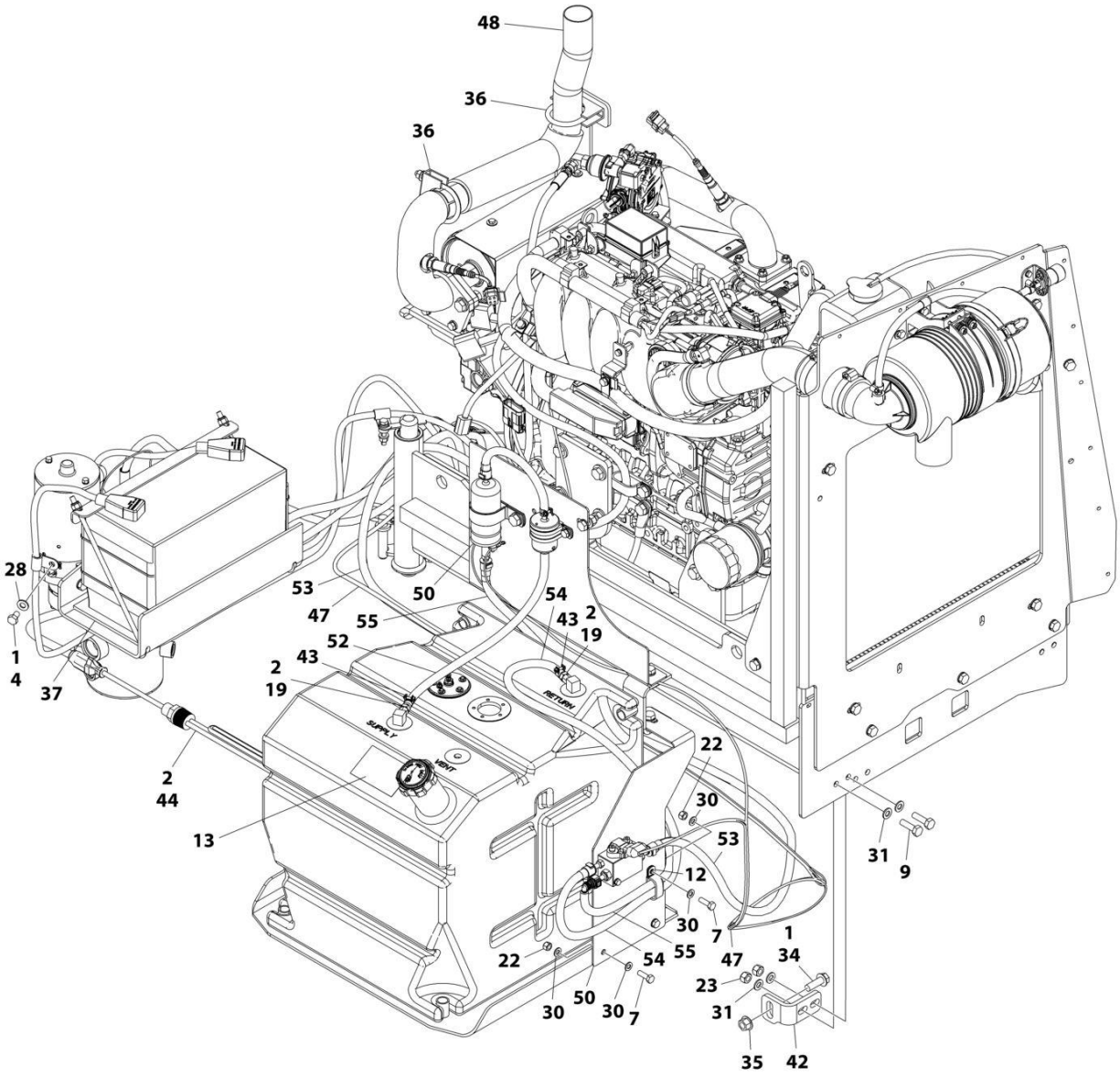
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
100	1001214599	1	Bracket	
101	1001214664	1	Cover	
102	1001214694	1	Hose	
103	1001214841	1	Bracket	
104	1001215125	1	Fitting, 90	
105	1001215869	1	Hose	
106	1001137336	2	Strap	
107	1001138248	2 ft/ 0.61m	Tube	
108	1001147813	1	Air Cleaner Assembly Including Filter Element	
108	70004020	1	Element, Air Filter	
109	1001247359	1	Fitting, 90	
110	2720058	1.75 ft/ 0.53m	Hose	
111	2720271	4 ft/ 1.22m	Hose	
112	2720615	1.25 ft/ 0.38m	Hose	
113	82033995	5.5 ft/ 1.68m	Hose	
114	1001216825	2	Seal	
115	0700816	4	Bolt M8 x 40	
116	0701016	4	Bolt M10 x 40	
119	2180504	1	Fitting, Barbed	
120	1001118274	1	Nut, Special M8	
121	1001001939	1	Tube, Flex	
122	8410011	1	Clamp	
123	0760816	1	Bolt M8 x 40	
124	4060805	1.94 ft/ 0.59m	Flex-Trim	
125	0100081	AR	Adhesive	

FIGURE 3-30. KUBOTA ENGINE INSTALLATION (WITH ARCTIC PACKAGE)





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ART_1001236252_3OF3

FIGURE 3-30. KUBOTA ENGINE INSTALLATION (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236252	Ref	ENGINE INSTALLATION - KUBOTA ENGINE (WITH ARCTIC PACKAGE)	B
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0760610	1	Bolt M6 x 20	
7	0760812	3	Bolt M8 x 25	
8	0761014	4	Bolt M10 x 30	
9	0761015	5	Bolt M10 x 35	
10	1060626	1	Plug, 3 Way	
11	1320223	1	Clamp	
12	1321283	1	Clamp	
13	1701542	2	Decal - Gas	
14	1701543	1	Decal - LPG (Not Shown)	
15	1702941	1	Decal - Battery Heater	
16	1702942	1	Decal - Engine Block Heater	
17	1702943	1	Decal - Hydraulic Tank Heater	
18	1702944	1	Decal - Heater Cord	
19	2180348	2	Fitting, Barbed	
20	2580024	1	Heater, Battery	
21	3290605	1	Nut M6	
22	3290805	4	Nut M8	
23	3291005	6	Nut M10	
24	3422532	1	Pin	
25	3790012	1	O-Ring	
26	3841143	1	Keeper, Pin	
27	4240099	AR	Tie-Strap (Not Shown)	
28	4711500	1	Washer 5/16	
29	4811700	2	Washer M6	
30	4811900	6	Washer M8	
31	4812000	15	Washer M10	
32	4812100	2	Washer M12	
33	5240800	2	Washer M8	
34	5251215	1	Bolt M12 x 35	
35	5261200	1	Nut M12 Class10	
36	1001217785	2	Clamp, Muffler	
37	1001119278	1	Insulate	
38	1001135196	1	Pin	
39	1001150918	1	Cable, Extension Cord	
40	1001155044	2	Nut 15/32	
41	1001161710	1	Switch, Toggle	
42	1001167512	1	Bracket, Engine Tray Stow	
43	1001174486	2	Clamp	
44	1001188972	1	Heater, Hydraulic Tank	
45	1001212257	1	Cable, Kubota Alternator	
46	1001213062	1	Cable, Battery Cable Kit Kubota	
47	1001213599	1	Harness Engine - Kubota Engine (See Separate Breakdown in ELECTRICAL SECTION)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001214502	1	Pipe, Tail Pipe	
49	1001215259	1	Plate, Engine Lock	
50	1001215801	1	Mount, Fuel System (Kubota)	
51	1001216080	2	Cable, Extension Cord	
52	1001156819	20.9 in/ 53cm	Hose	
53	1001216396	1	Hose	
54	1001216397	1	Hose	
55	1001216399	1	Hose	
56	1001236258	1	Engine and Pump Sub-Assembly - Kubota Engine (With Arctic Package) (See Separate Breakdown in this Section)	
57	1001118972	3	Nut M10	
58	1001195039	1	Clamp	
59	1001217494	2	Capscrew M12	
60	4812200	1	Washer M14	
61	24431386	1	Support, Clamp	
62	1001217345	1	Bolt M14 x 30	
63	1001229798	1	Harness - Kubota B6 D/F Power (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
64	4460466	8	Terminal, Sealing Plug (Not Shown)	
65	4460930	1	Plug, Male - 8 Position (Deutsch) (Not Shown)	

FIGURE 3-31. KUBOTA ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

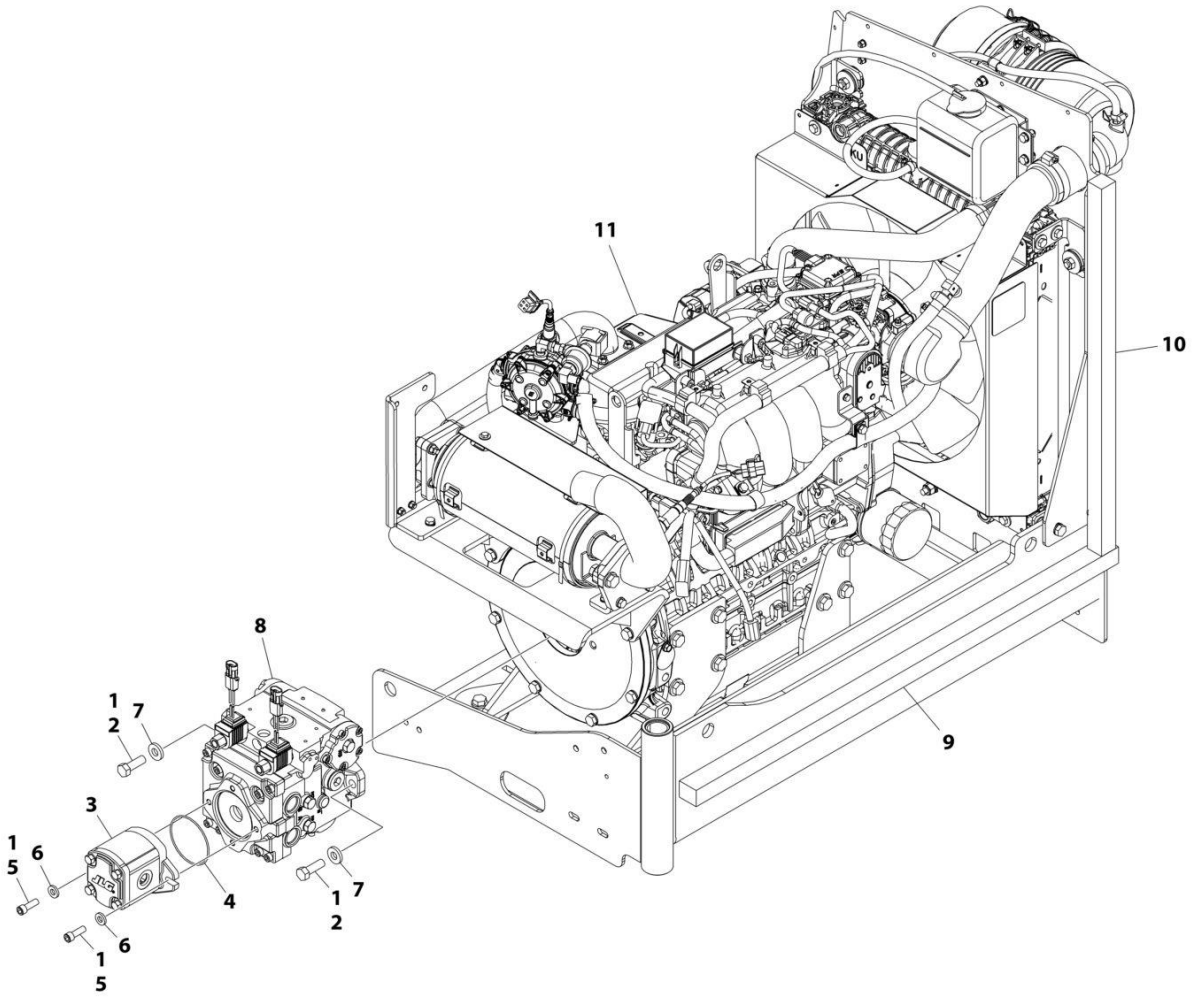
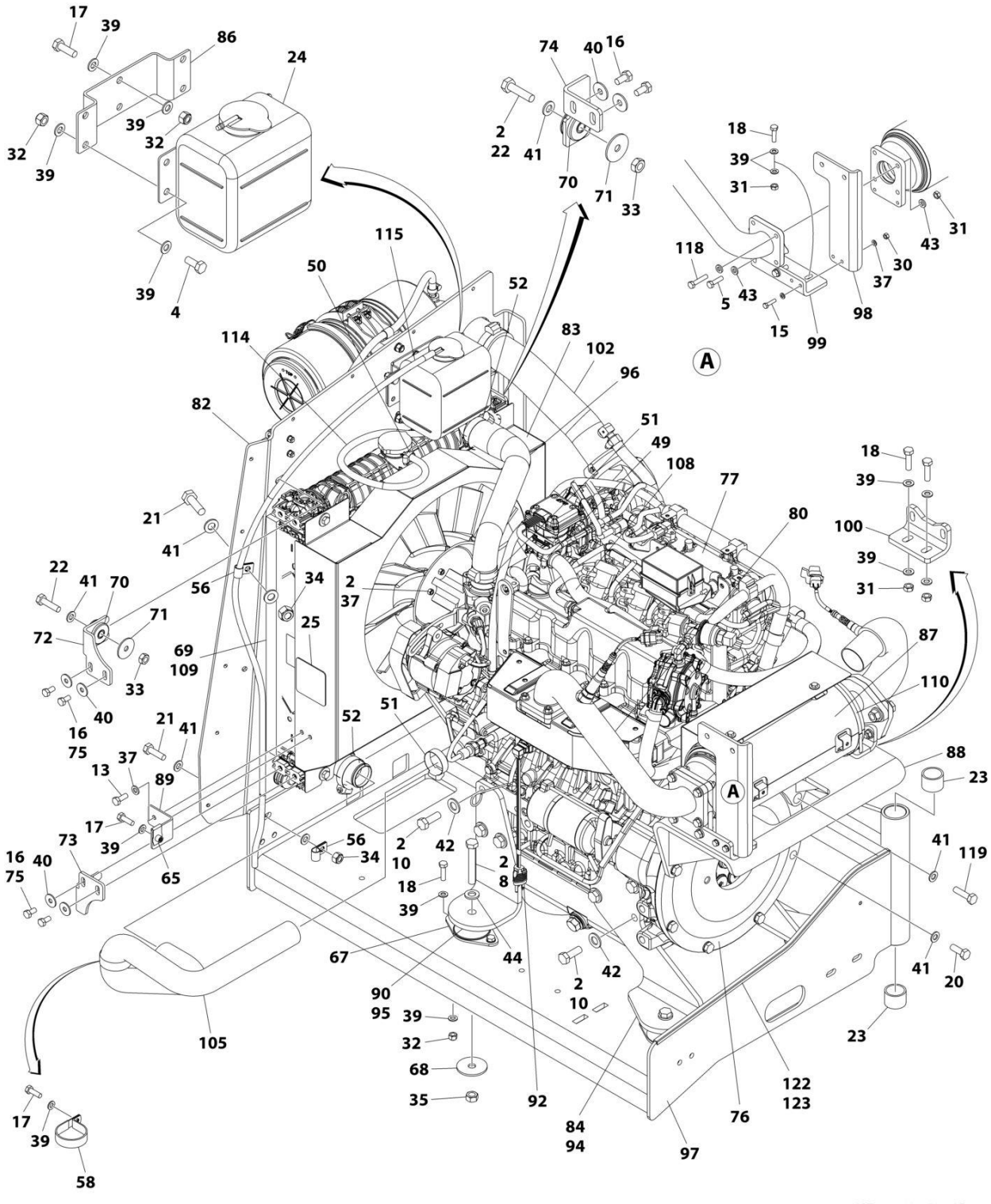


FIGURE 3-31. KUBOTA ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236258	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE)	A
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	1001214207	1	Gear Pump Assembly	
3	70006356	1	Seal Kit - 1001214207 Pump	
4	3790152	1	O-Ring	
5	3931618	2	Capscrew 3/8 x 1-1/8	
6	4891600	2	Washer 3/8	
7	4891800	2	Washer 1/2	
8	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
9	1001171953	1	Seal	
10	1001171954	1	Seal	
11	1001236259	1	Engine Assembly - Kubota Engine (With Arctic Package) (See Separate Breakdown in this Section)	

FIGURE 3-32. KUBOTA ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)



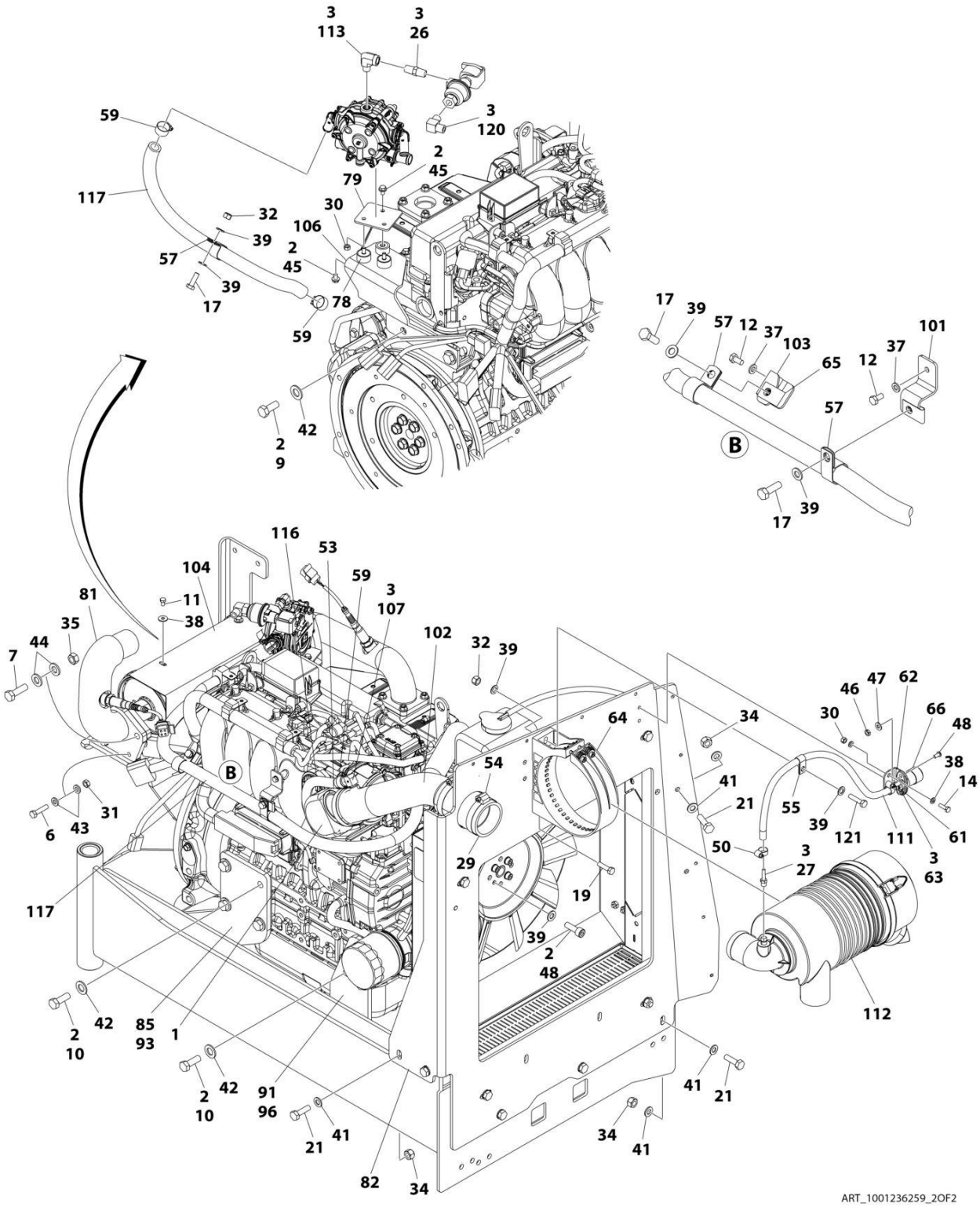

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ART_1001236259_2OF2

FIGURE 3-32. KUBOTA ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236259	Ref	ENGINE ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE)	E
1	0080201	1	Adapter, 90	
2	0100011	AR	Compound, Locking	
3	0100020	AR	Sealant, Pipe	
4	0700810	4	Bolt M8 x 20	
5	0700814	2	Bolt M8 x 30	
6	0700815	2	Bolt M8 x 35	
7	0701216	2	Bolt M12 x 40	
8	0701224	4	Bolt M12 x 80	
9	1001217494	2	Bolt M12 x 20	
10	1001217343	14	Bolt M12 x 35	
11	0760605	4	Bolt M6 x 10	
12	0760606	2	Bolt M6 x 12	
13	0760608	2	Bolt M6 x 16	
14	0760610	2	Bolt M6 x 20	
15	0760612	2	Bolt M6 x 25	
16	0760808	8	Bolt M8 x 16	
17	0760812	6	Bolt M8 x 25	
18	0760814	12	Bolt M8 x 30	
19	0760815	1	Bolt M8 x 35	
20	0761014	4	Bolt M10 x 30	
21	0761015	6	Bolt M10 x 35	
22	0761016	4	Bolt M10 x 40	
23	0961951	2	Bushing	
24	1580011	1	Container, Coolant Overflow	
25	1703162	2	Decal - Caution Fan	
26	2220261	1	Fitting, Nipple NPTF/NPTF	
27	2220315	1	Fitting, Barbed	
29	2720644	1	Hose	
30	3290607	5	Nut M6	
31	3290801	10	Nut M8	
32	3290805	17	Nut M8	
33	3291001	4	Nut M10	
34	3291005	6	Nut M10	
35	3291201	6	Nut M12	
36	4240099	AR	Tie-Strap (Not Shown)	
37	4811700	16	Washer M6	
38	4811702	4	Washer M6	
39	4811900	45	Washer M8	
40	4811902	8	Washer M8	
41	4812000	24	Washer M10	
42	5241400	16	Washer M14	
43	5240800	14	Washer M8	
44	5241200	8	Washer M12	
45	5250605	3	Bolt M6 x 10	
46	8305401	2	Nut 1/4	
47	8307109	2	Washer 1/4	
48	8310548	2	Screw 1/4 x 1/2	
49	1001173535	2	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	8405009	4	Clamp	
51	8405102	2	Clamp	
52	8405104	2	Clamp	
53	8405202	1	Clamp	
54	8405203	3	Clamp	
55	8406109	1	Clip	
56	8406110	2	Clip	
57	8406201	3	Clip	
58	8410001	1	Clamp	
59	8410009	6	Clamp	
61	1001138173	1	Support, Service Indicator	
62	1001138175	1	Bracket, Service Indicator	
63	1001141995	1	Fitting, Barbed	
64	1001147812	1	Clamp, Air Cleaner	
65	1001149160	3	Nut M8	
66	1001149639	1	Indicator, Air Intake	
67	1001166718	4	Isolator, Engine Mount	
68	1001168018	4	Washer, Snubbing	
69	1001168166	2	Seal	
70	1001169054	4	Isolator, Radiator	
71	1001169138	4	Washer, Snubbing	
72	1001169967	2	Bracket	
73	1001170035	1	Bracket	
74	1001176330	1	Bracket	
75	1001180620	AR	Adhesive	
76	1001209844	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
77	1001236393	1	Engine, Kubota (See Separate Breakdown in this Section)	
78	1001211794	3	Mount	
79	1001211797	1	Mount	
80	1001212989	1	Pipe, Exhaust (Inlet)	
81	1001212993	1	Pipe, Exhaust (Outlet)	
82	1001213305	1	Plate, Mounting	
83	1001236257	1	Radiator	
84	1001213425	1	Plate, Engine Mount (Left Rear)	
85	1001213426	1	Plate, Engine Mount (Right Rear)	
86	1001213482	1	Bracket	
87	1001213824	1	Insulation	
88	1001214138	1	Bracket	
89	1001214205	1	Support	
90	1001214233	1	Plate (Front Left)	
91	1001214234	1	Plate (Front Right)	
92	1001214269	1	Heater, Block	
93	1001214276	1	Shim	
94	1001214277	1	Shim	
95	1001214278	2	Shim	
96	1001214307	1	Hose	
97	1001214508	1	Support	
98	1001214553	1	Support	
99	1001214555	1	Bracket	
100	1001214556	1	Bracket	
101	1001214558	1	Bracket	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	1001214598	1	Tube	
103	1001214599	1	Bracket	
104	1001214664	1	Cover	
105	1001214694	1	Hose	
106	1001214841	1	Bracket	
107	1001215125	1	Fitting, 90	
108	1001215869	1	Hose	
109	1001216825	2	Seal	
110	1001137336	2	Strap	
111	1001138248	2 ft/ 0.6m	Tube	
112	1001147813	1	Air Cleaner Assembly Including Filter Element	
112	70004020	1	Element, Filter (Not Shown)	
113	1001247359	1	Fitting, Street Elbow	
114	2720058	1.8 ft/ 0.5m	Hose	
115	2720271	4 ft/ 1.2m	Hose	
116	2720615	1.2 ft/ 0.4m	Hose	
117	82033995	5.5 ft/ 1.7m	Hose	
118	0700816	4	Bolt M8 x 40	
119	0701016	4	Bolt M10 x 40	
120	2180504	1	Fitting, Barbed	
121	0760816	1	Bolt M8 x 40	
122	4060805	1.94 ft/ 59m	Flex-Trim	
123	0100081	AR	Adhesive	

FIGURE 3-33. KUBOTA ENGINE COMPONENTS

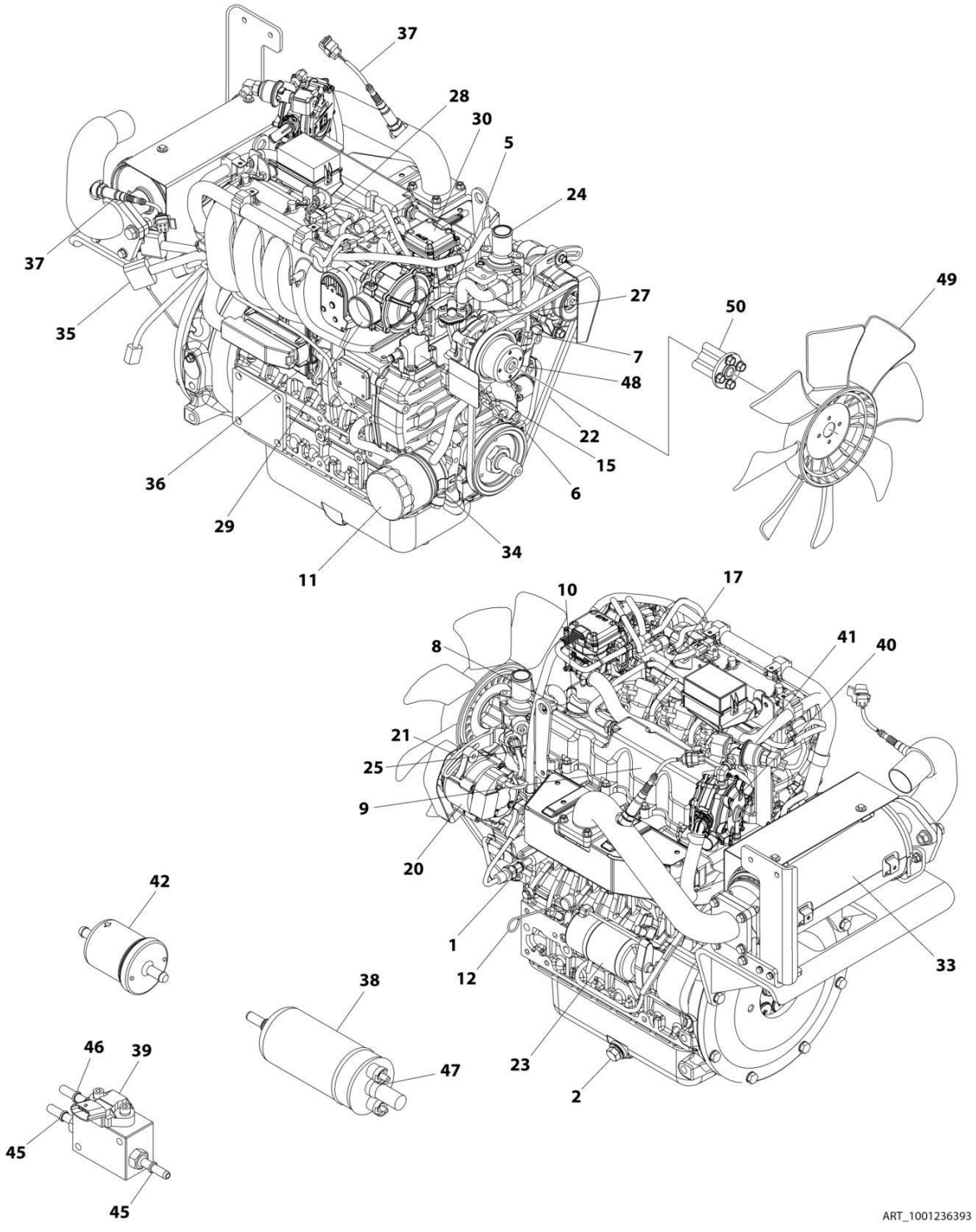


FIGURE 3-33. KUBOTA ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236393	Ref	ENGINE COMPONENTS - KUBOTA	B
1	70005745	1	Switch, Oil	
1	70006013	1	Adapter	
2	7023154	1	Plug, Drain	
2	7017904	1	Gasket, Oil Pan Drain	
3	70006014	1	Gasket, Cylinder Head (Not Shown)	
4	70006015	1	Sensor (Knock) (Not Shown - Located on Left Side of Engine)	
5	70006016	1	Flange Assembly (Water Return)	
5	70002316	1	Pipe	
5	70006017	1	Gasket	
6	70005737	1	Sensor Stick Assembly	
7	70006018	1	Sensor	
8	70006019	1	Valve (PCV)	
8	70006020	1	Seal	
9	7017932	3	Element, Breather	
9	70006021	1	Gasket	
10	70002318	1	Oil Filler Cap	
10	70006022	1	O-Ring	
11	70006023	1	Filter, Oil	
12	70006024	1	Dipstick	
13	70006025	1	Pump Assembly, Oil (Not Shown - Located Under Front Cover)	
13	70006026	1	Gasket	
13	70006027	1	Key	
14	70006028	1	Flywheel (Not Shown - Located Behind Coupling Plate)	
14	70006029	1	Ring Gear (Part of Flywheel)	
15	70006030	1	Flange Assembly (Breather)	
15	70002316	1	Pipe	
15	70006031	1	Gasket	
16	70006035	1	Pipe Assembly (Not Shown)	
16	70005727	1	Gasket	
17	70006034	4	Coil	
17	70006033	4	Spark Plug	
18	70006032	1	Gasket (Not Shown)	
19	70005751	4	Injector (Not Shown)	
20	70006036	1	Alternator (Includes Voltage Regulator and Gaskets, Fan and Fan Mounting Hardware)	
21	70006037	1	Bracket	
22	70006038	1	Belt	
23	70006039	1	Starter	
24	70006041	1	Thermostat	
24	70002326	1	Gasket	
25	70005726	1	Sensor	
25	70006042	1	O-Ring	
26	70006040	1	Gasket (Not Shown - Located Between Engine Head and Water Flange)	
27	70006043	1	Water Pump Assembly	
27	70004829	1	Pipe	
27	70006044	1	Gasket	
28	70005746	1	Sensor (TMAP)	
28	70005747	1	O-Ring	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
29	70006049	1	Mixer Assembly	
29	70006050	1	Seal, Rubber	
29	70006045	1	Throttle Body	
29	70006046	1	Gasket	
29	70006047	1	Adapter	
29	70006048	1	O-Ring	
30	70006051	1	Regulator Assembly	
30	70006052	1	Seal, Rubber	
30	70006053	1	Seal, Rubber	
30	70006054	1	Seal, Rubber	
31	70006055	1	Gasket (Not Shown - Located Between Intake Manifold and Engine Head)	
32	70006056	1	Gasket (Not Shown - Located Between Exhaust Manifold and Engine Head)	
33	70006057	1	Muffler	
33	70006065	1	Gasket	
33	70006066	1	Gasket	
33	70006072	1	Gasket	
34	70006058	1	Oil Cooler Assembly	
34	70006059	1	Seal	
34	7017959	2	Clamp	
35	70006060	1	Engine Harness	
36	70006061	1	Module, Engine Control	
37	70006062	2	Sensor (O2)	
38	70006063	1	Pump, Fuel	
39	70006064	1	Manifold (FPM)	
40	70006067	1	Regulator Assembly	
40	70006068	1	Connector	
40	70006069	3	Clip	
40	70006070	2	Connector	
41	70006071	1	Valve, Lockoff	
41	70006078	1	Valve, Lockoff Kit	
42	7017992	1	Filter, Fuel	
43	70006079	1	Gasket Kit (Upper) (Not Shown)	
44	70006080	1	Gasket Kit (Lower) (Not Shown)	
45	70006074	2	Joint (Includes O-Ring)	
46	70006075	1	Joint (Includes O-Ring)	
47	70006076	1	Joint (Includes O-Ring)	
47	70006077	1	Gasket	
48	70006379	1	Pulley	
49	70006639	1	Fan	
50	70006640	1	Collar, Fan	

FIGURE 3-34. PUMP COUPING KIT (DEUTZ ENGINES)

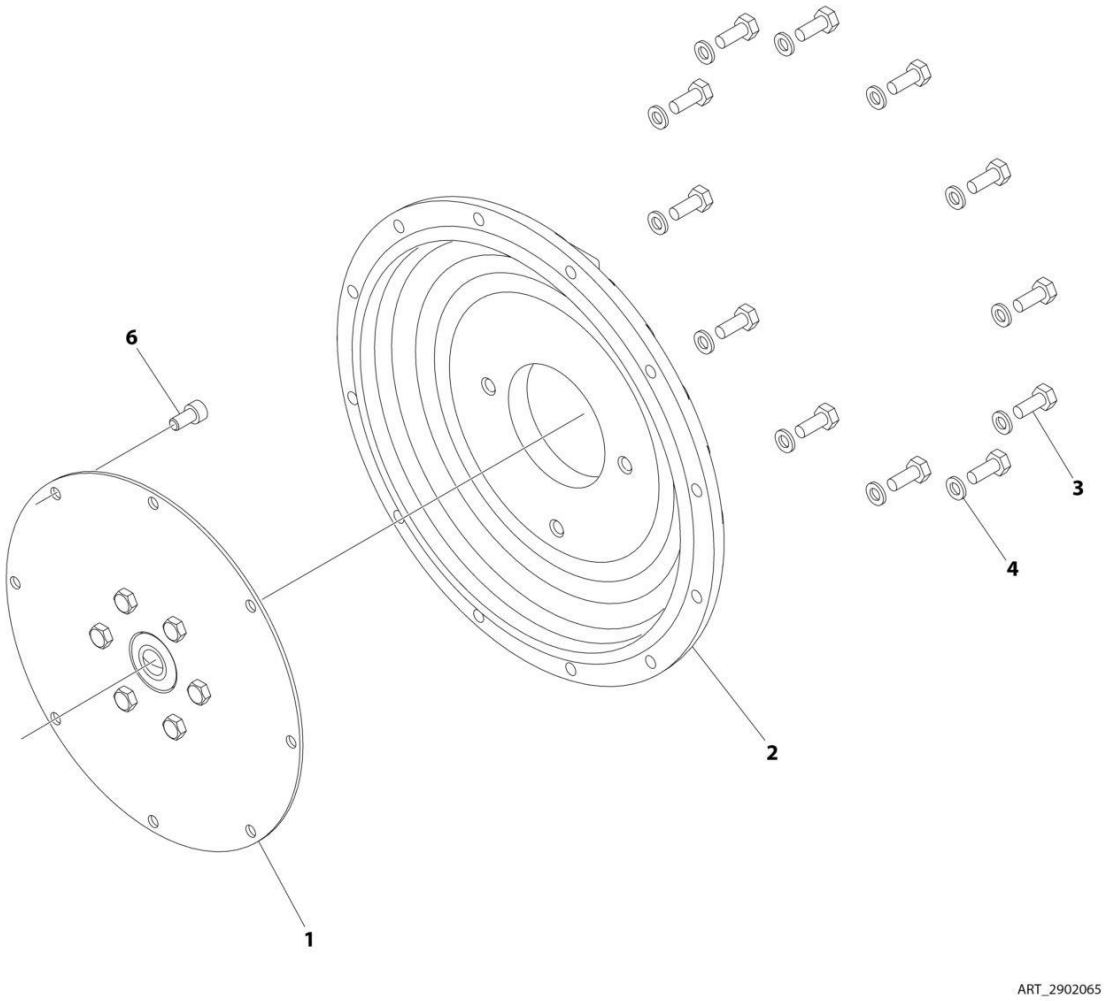


FIGURE 3-34. PUMP COUPING KIT (DEUTZ ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902065	Ref	PUMP COUPLING KIT	L
1	70000793	1	Coupling, Hayes	
2	See Note	NSS	Plate, Pump Adapter (Note: Use p/n 2902065)	
3	See Note	NSS	Bolt M10 x 30 Grade 10.9 (Note: Use p/n 2902065)	
4	See Note	NSS	Washer M10 (Note: Use p/n 2902065)	
6	See Note	NSS	Bolt M10 x 20 Grade 10.9 (Note: Use p/n 2902065)	

FIGURE 3-35. PUMP COUPING KIT (KUBOTA ENGINES)

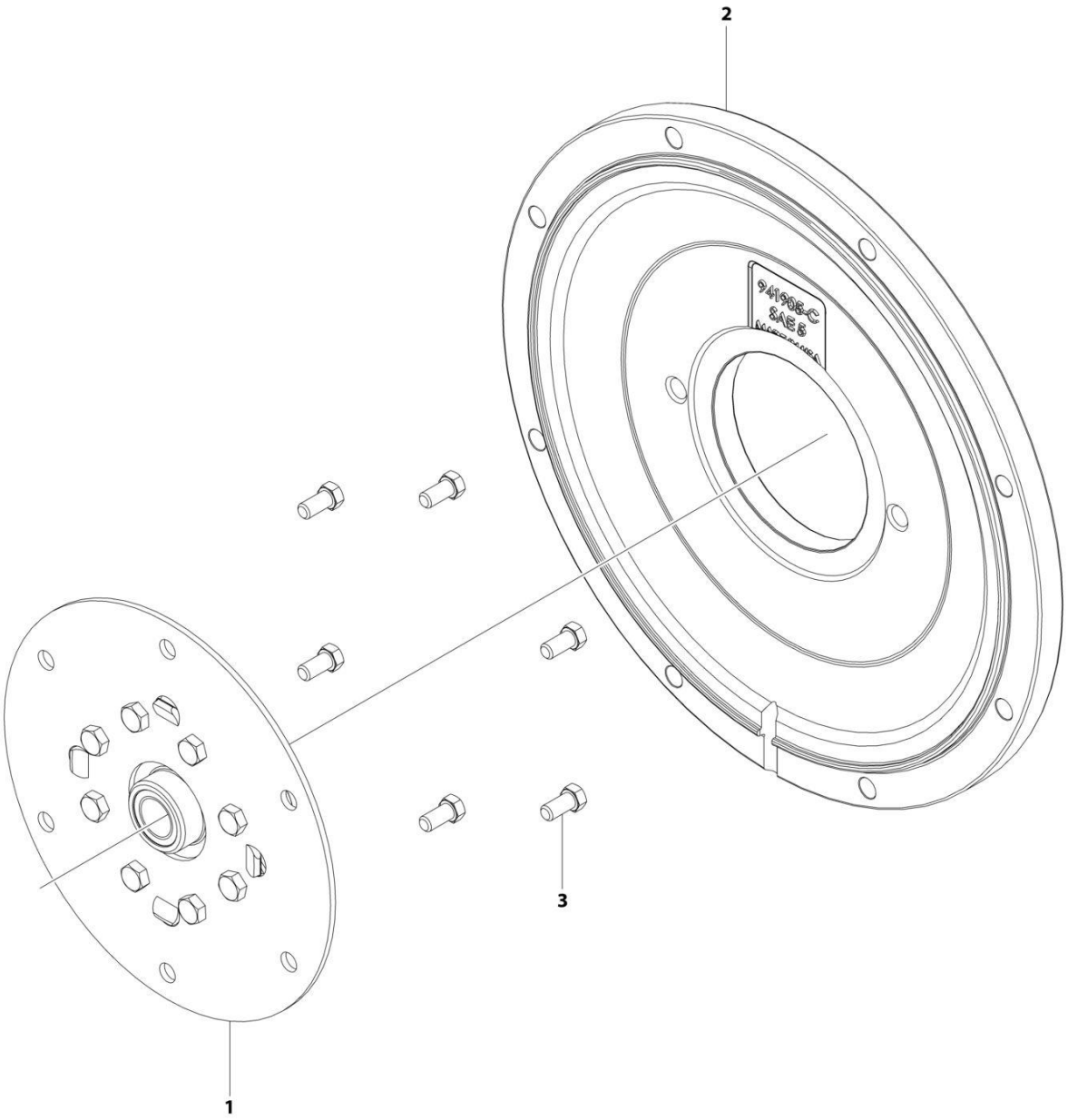


FIGURE 3-35. PUMP COUPING KIT (KUBOTA ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209844	Ref	PUMP COUPLING KIT - KUBOTA ENGINE	C
1	70006010	1	Coupling Assembly, Hayes	
2	70006011	1	Plate, Pump Adapter	
3	70006012	1	Bolt Kit	

FIGURE 3-36. PISTON PUMP ASSEMBLY

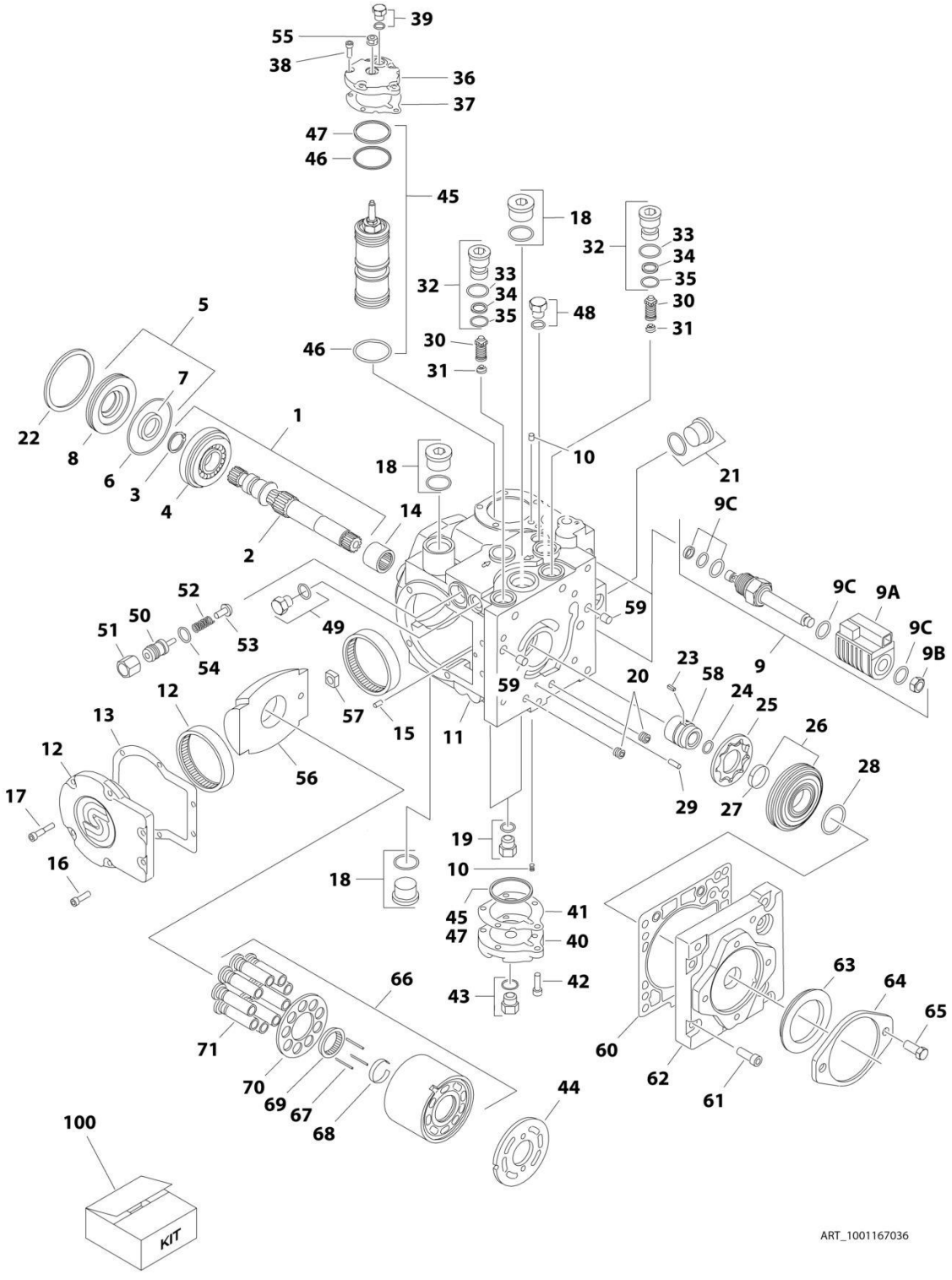
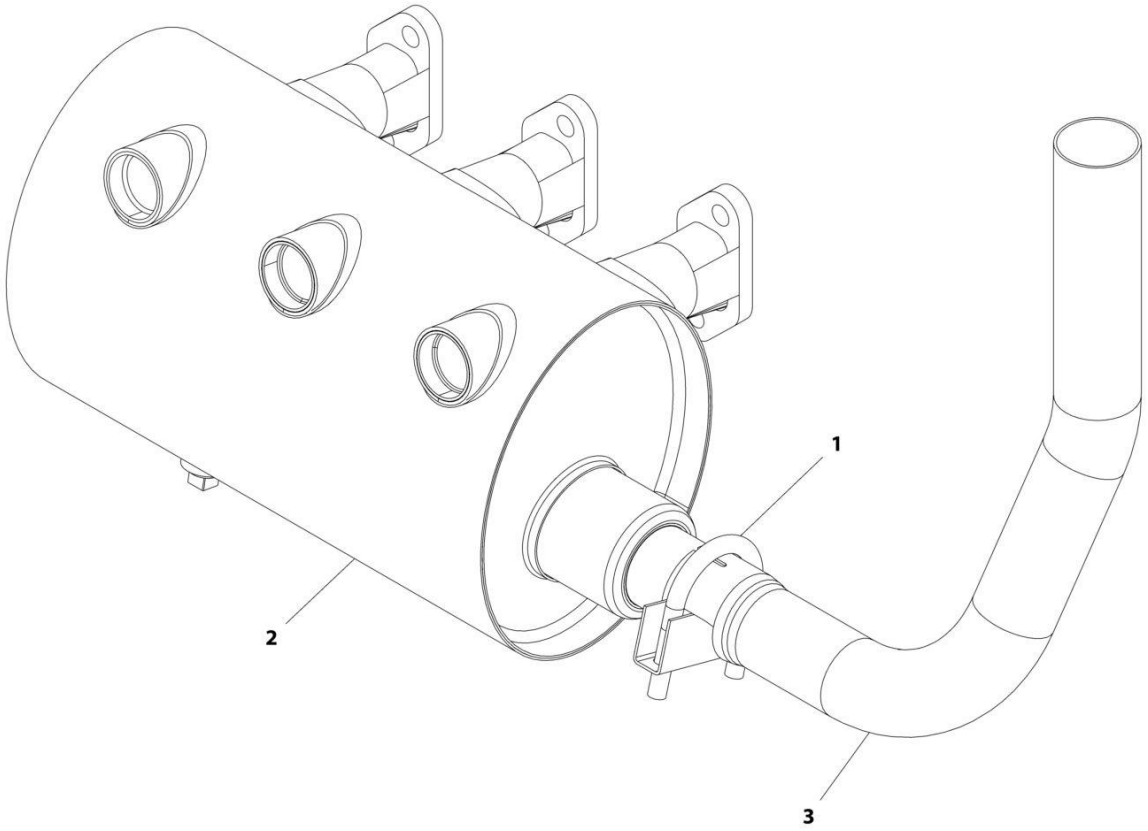


FIGURE 3-36. PISTON PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167036	Ref	PISTON PUMP ASSEMBLY	B
1	7021240	1	Shaft Assembly (Includes Items 2-4)	
2	7021237	1	Shaft	
3	7021238	1	Ring, Retaining	
4	7021239	1	Bearing, Roller	
5	70004896	1	Shaft Seal Kit (Includes Items 6-8)	
6	7021241	1	O-Ring	
7	7021242	1	Seal, Lip	
8	7021243	1	Carrier, Seal Shaft	
9	7024855	2	Solenoid Assembly	
9A	70004897	2	Coil (1 Per Assembly)	
9B	7024857	2	Nut (1 Per Assembly)	
9C	7024858	2	Seal Kit - 7024855 Cartridge (1 Per Assembly)	
10	70004889	2	Orifice	
11	See Note	NSS	Housing Assembly (Note: Not Available for Purchase)	
12	7021248	1	Side Cover Assembly (Includes Item 13)	
13	70004891	1	Gasket	
14	7021249	1	Bearing, Needle	
15	See Note	NSS	Pin (Note: Not Available for Purchase)	
16	70004890	2	Screw	
17	70004892	4	Screw	
18	7007419	2	Plug Assembly (Includes O-Ring)	
19	7007420	2	Plug Assembly (Includes O-Ring)	
20	See Note	NSS	Plug (Note: Not Available for Purchase)	
21	7007419	1	Plug Assembly (Includes O-Ring)	
22	7021257	1	Ring, Retaining	
23	70004893	1	Key	
24	7022341	1	Ring, Retaining	
25	7021258	1	Gerotor	
26	70004894	1	Gerotor Cover Assembly (Includes Item 27)	
27	7021259	1	Bearing, Journal	
28	7021262	1	O-Ring	
29	See Note	NSS	Pin (Note: Not Available for Purchase)	
30	7021263	2	Bypass Valve Assembly	
31	7024800	2	Spring	
32	7021265	2	Bypass Valve Assembly (Includes Items 32-34)	
33	7007415	2	O-Ring	
34	7021293	2	Ring, Back-up	
35	7022300	2	O-Ring	
36	70004895	1	Cover, Servo	
37	7021253	1	Gasket	
38	70004892	5	Screw	
39	7007420	1	Plug Assembly (Includes O-Ring)	
40	7021268	1	Cover, Servo	
41	7021253	1	Gasket	
42	70004892	5	Screw	
43	7007420	1	Plug Assembly (Includes O-Ring)	
44	7021281	1	Plate, Valve	
45	70004898	1	Servo Piston Kit (Includes Items 46 & 47)	
46	7007495	2	O-Ring	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	7007493	2	O-Ring	
48	7007420	1	Plug Assembly (Includes O-Ring)	
49	70004900	1	Plug Assembly (Includes O-Ring)	
50	7022346	1	Adjuster	
51	7021290	1	Nut	
52	7022347	1	Spring	
53	70004901	1	Poppet	
54	7007415	1	O-Ring	
55	70004902	1	Nut, Seal	
56	70004903	1	Swash Plate	
57	70004904	1	Bearing Assembly	
58	70004905	1	Coupling	
59	7001481	2	Pin	
60	70002257	1	Gasket	
61	70004906	8	Screw	
62	70004907	1	Cover, Charge Pump	
63	70004908	1	Seal	
64	7021299	1	Plate, Cover	
65	7007289	2	Screw	
66	70004909	1	Cylinder Block Assembly (Includes Items 67-71)	
67	70004910	3	Pin, Slipper Hold Down	
68	7021276	1	Retainer, Hold Down Pin	
69	7021277	1	Guide, Slipper Retainer	
70	7021278	1	Retainer, Slipper	
71	70004911	1	Piston Assembly	
100	70004899	1	Seal Kit (Includes Items 5-8, 33-35, 37, 41, 46, 47 & 54)	

FIGURE 3-37. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ D2011 STAGE 5 ENGINES



ART_1001175071

FIGURE 3-37. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ D2011 STAGE 5 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175071	Ref	SPARK ARRESTOR INSTALLATION	A
1	1320176	1	Clamp	
2	1001170224	1	Muffler, Spark Arresting	
3	1001175068	1	Pipe, Exhaust	

FIGURE 3-38. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ ENGINES WITH ABS HOODS

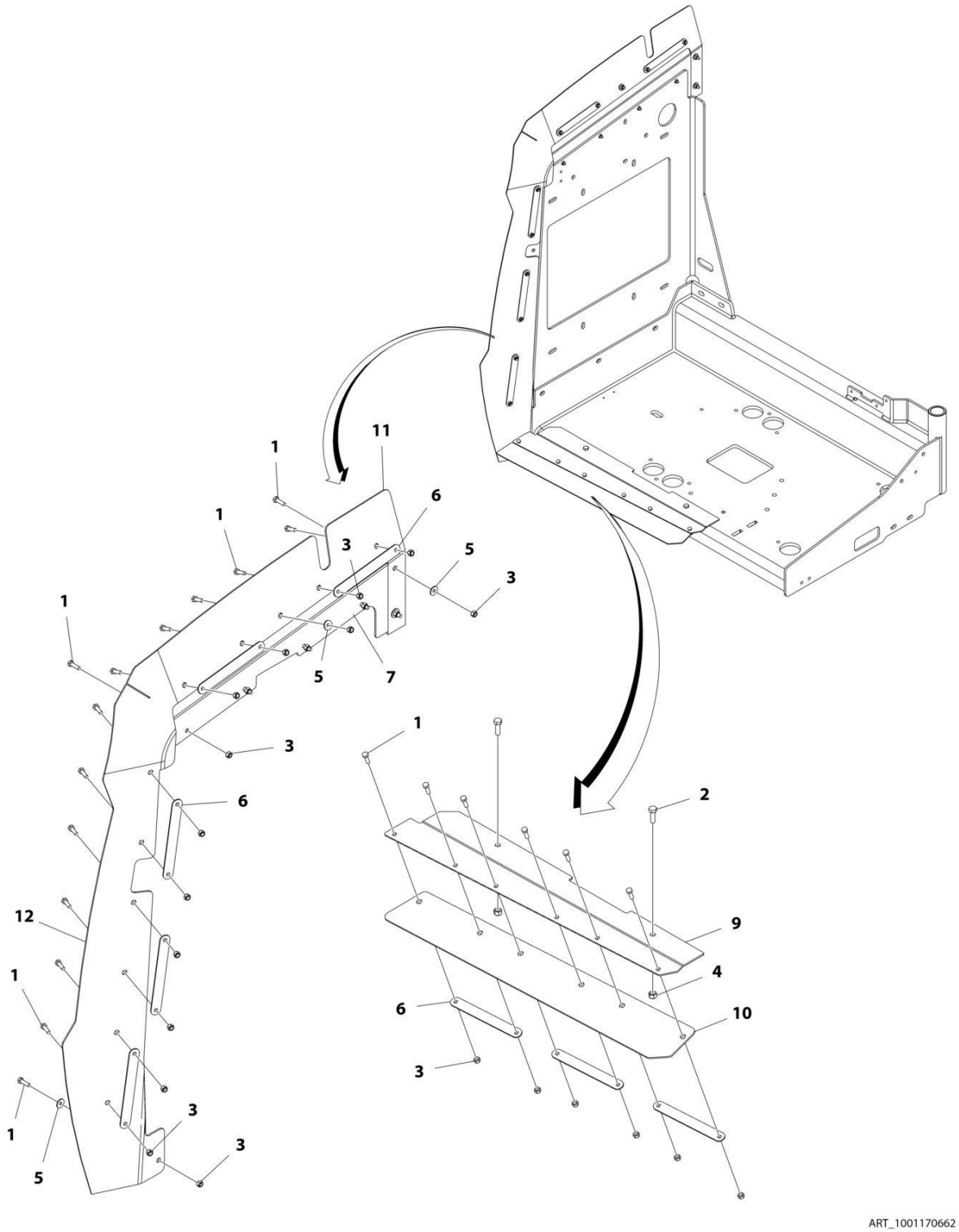


FIGURE 3-38. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ ENGINES WITH ABS HOODS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170662	Ref	ENGINE BAFFLE INSTALLATION	F
1	0760610	24	Bolt M6 x 20	
2	0760812	2	Bolt M8 x 25	
3	3290605	24	Nut M6 x 1	
4	3290805	2	Nut M8 x 1.25	
5	4811702	4	Washer M6	
6	1001167164	8	Plate, Support	
7	1001170650	1	Bracket	
9	1001170663	1	Bracket	
10	1001170664	1	Seal	
11	1001211877	1	Seal	
12	1001211878	1	Seal	

FIGURE 3-39. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ ENGINES WITH STEEL HOODS

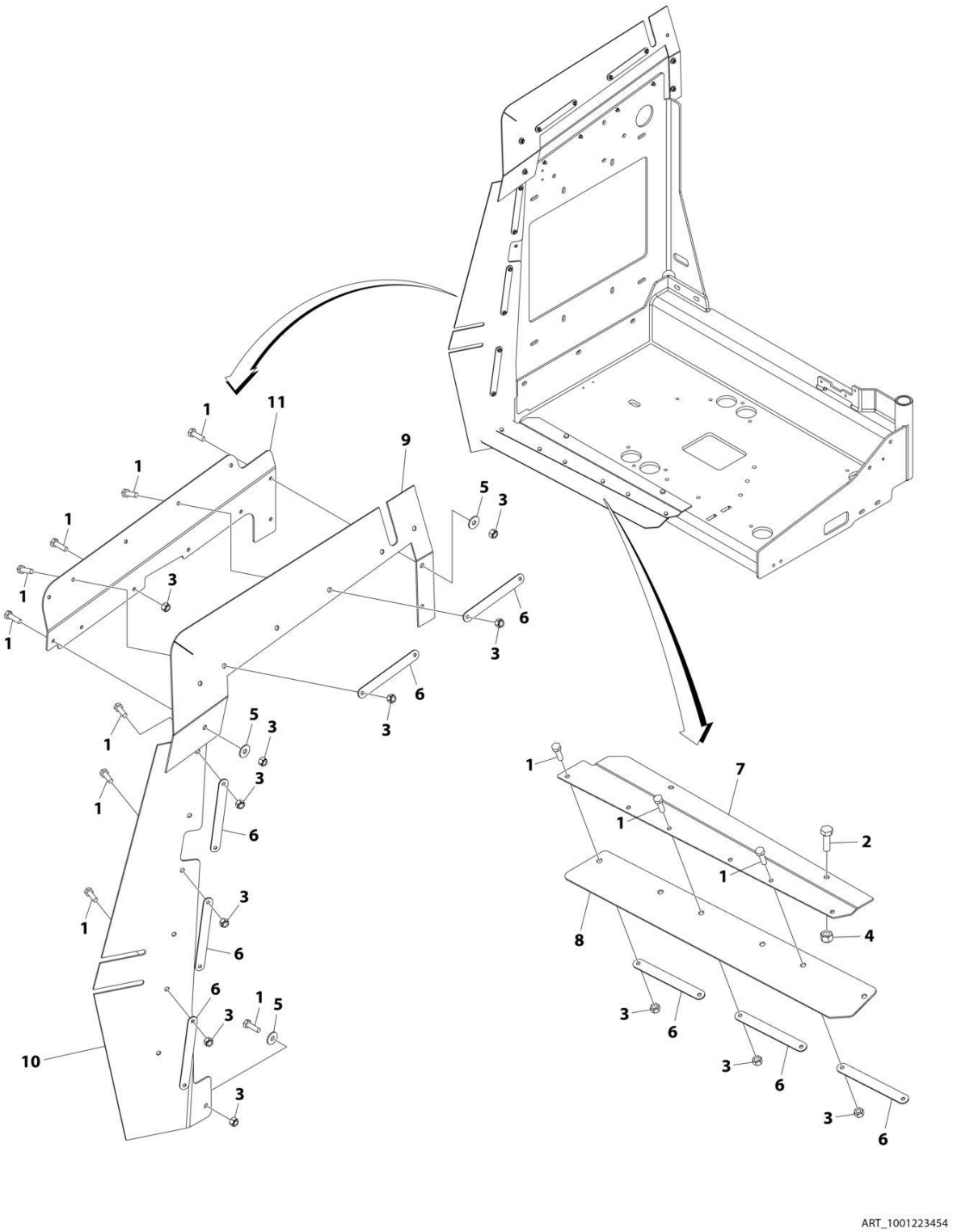


FIGURE 3-39. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ ENGINES WITH STEEL HOODS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223454	Ref	STEEL HOOD ENGINE BAFFLE INSTALLATION	A
1	0760610	25	Bolt M6 x 20	
2	0760812	2	Bolt M8 x 25	
3	3290605	25	Nut M6 x 1	
4	3290805	2	Nut M8 x 1.25	
5	4811702	5	Washer M6	
6	1001167164	8	Plate, Support	
7	1001170663	1	Bracket	
8	1001170664	1	Seal	
9	1001223309	1	Seal	
10	1001223310	1	Seal	
11	1001223328	1	Bracket	

FIGURE 3-40. ENGINE HOOD BAFFLE INSTALLATION - KUBOTA ENGINES

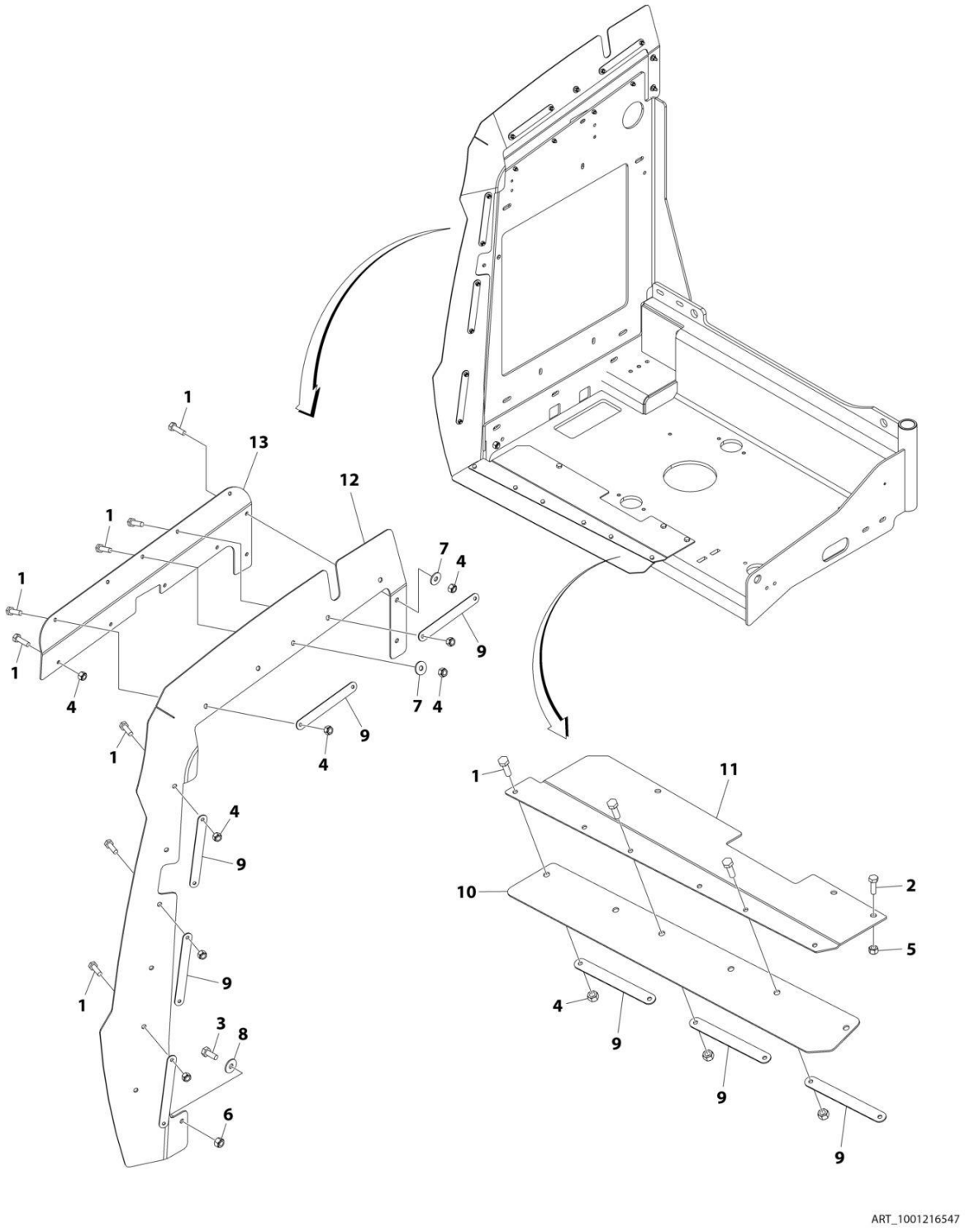


FIGURE 3-40. ENGINE HOOD BAFFLE INSTALLATION - KUBOTA ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216547	Ref	KUBOTA ENGINE BAFFLE INSTALLATION	B
1	0760610	24	Bolt M6 x 20	
2	0760812	3	Bolt M8 x 25	
3	0761012	1	Bolt M10 x 25	
4	3290605	23	Nut M6 x 1	
5	3290805	3	Nut M8 x 1.25	
6	3291005	1	Nut M10	
7	4811702	3	Washer M6	
8	4812002	1	Washer M10	
9	1001167164	8	Plate, Support	
10	1001170664	1	Seal	
11	1001216512	1	Bracket	
12	1001216548	1	Seal	
13	1001216549	1	Bracket	

FIGURE 3-41. ENGINE TRAY JACK INSTALLATION - DEUTZ ENGINES

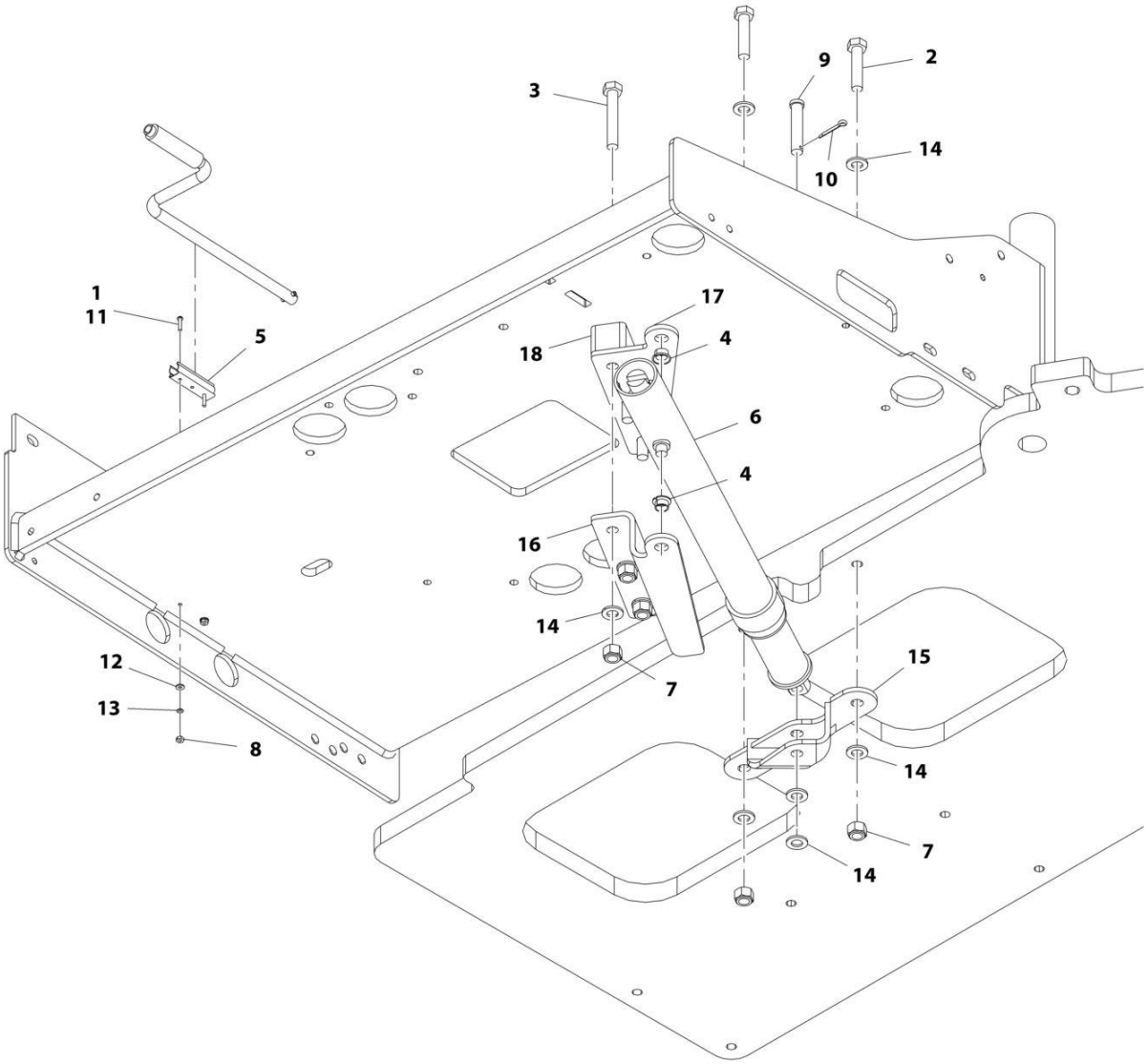


FIGURE 3-41. ENGINE TRAY JACK INSTALLATION - DEUTZ ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164202	Ref	ENGINE TRAY JACK	E
1	0100011	AR	Compound, Locking	
2	0701219	2	Bolt M12 x 55	
3	0701223	AR	Bolt M12 x 75	
3	0701224	AR	Bolt M12 x 80	
4	0962051	2	Bearing	
5	1380147	1	Clip	
6	2840016	1	Screw Jack Assembly	
6	7024598	1	Handle	
6	7016322	1	Wiper	
7	3291205	5	Nut M12 x 1.75	
8	3310601	2	Nut #6	
9	3430820	1	Pin, Clevis	
10	3450404	1	Pin, Cotter	
11	3910610	2	Screw 6 x 5/8	
12	4750600	2	Washer #6	
13	4770600	2	Washer Star #6	
14	4812100	9	Washer M12	
15	1001166894	1	Support, Engine Tray Jack	
16	1001175073	1	Support, Engine Tray Jack	
17	1001175074	1	Support, Engine Tray Jack	
18	1001175075	1	Shim	

FIGURE 3-42. ENGINE TRAY JACK INSTALLATION - KUBOTA ENGINES

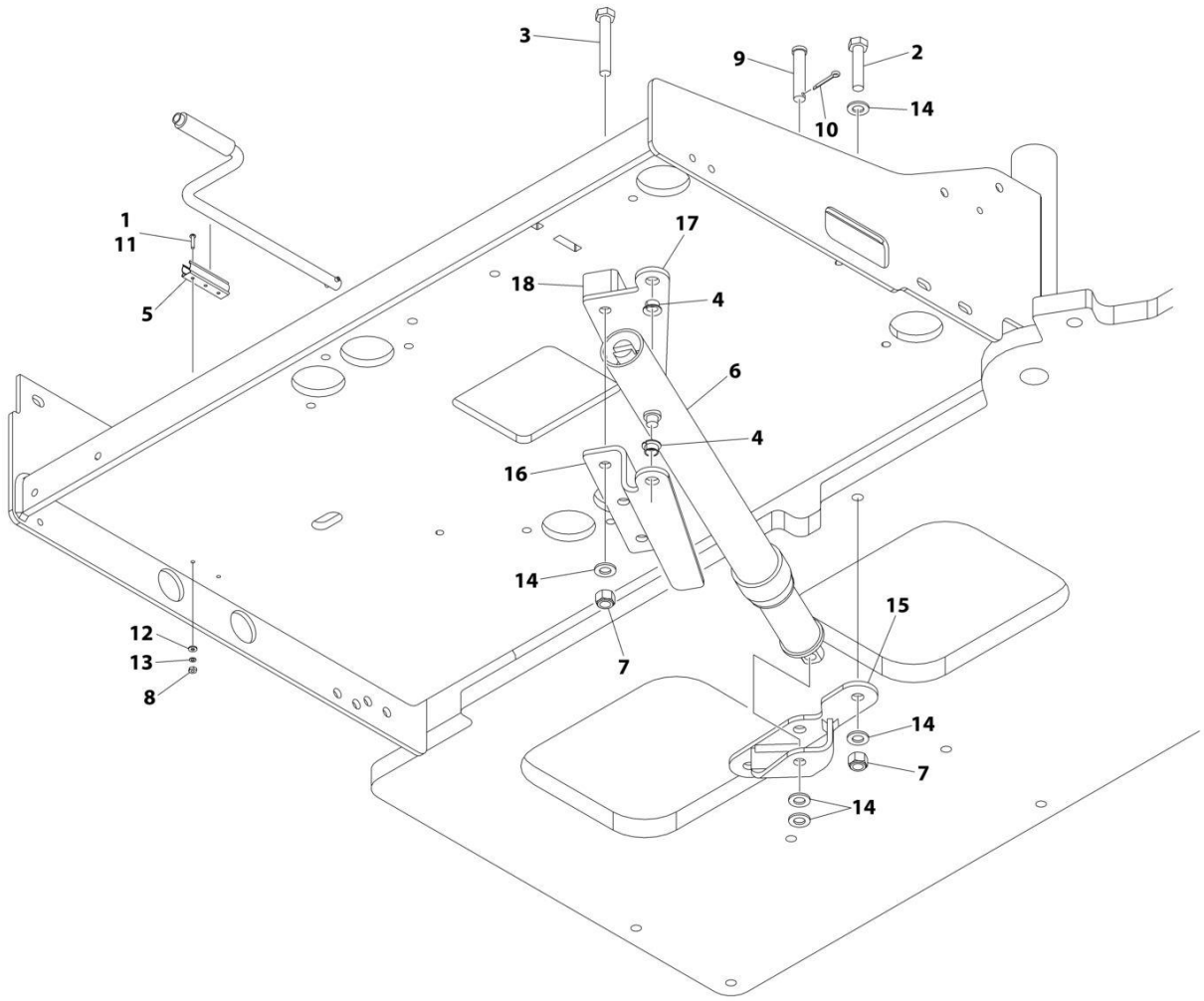


FIGURE 3-42. ENGINE TRAY JACK INSTALLATION - KUBOTA ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243870	Ref	ENGINE TRAY JACK	B
1	0100011	AR	Compound, Locking	
2	0701219	2	Bolt M12 x 55	
3	0701223	3	Bolt	
4	0962051	2	Bearing	
5	1380147	1	Clip	
6	2840016	1	Screw Jack Assembly	
6	7024598	1	Handle	
6	7016322	1	Wiper	
7	3291205	5	Nut M12 x 1.75	
8	3310601	2	Nut #6	
9	3430820	1	Pin, Clevis	
10	3450404	1	Pin, Cotter	
11	3910610	2	Screw 6 x 5/8	
12	4750600	2	Washer #6	
13	4770600	2	Washer #6	
14	4812100	9	Washer M12	
15	1001166894	1	Support, Engine Tray Jack	
16	1001175073	1	Support, Engine Tray Jack	
17	1001175074	1	Support, Engine Tray Jack	
18	1001243869	1	Shim	

FIGURE 3-43. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

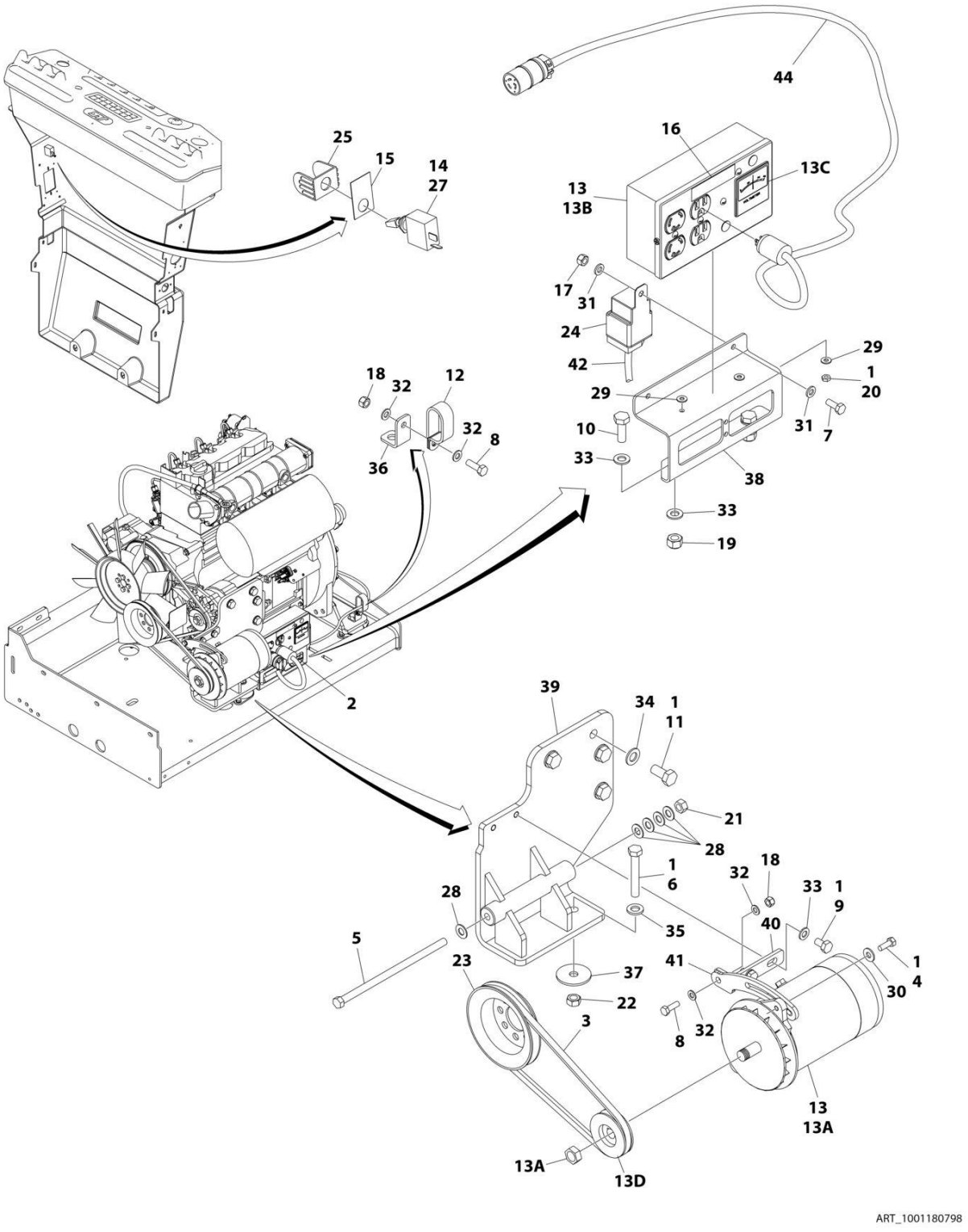


FIGURE 3-43. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180798	Ref	GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE)	B
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0480122	1	Belt	
4	0641507	1	Bolt 5/16 x 7/8	
5	0641772	1	Bolt 7/16 x 9	
6	0711224	1	Bolt M12 x 80 Grade 10.9	
7	0760608	1	Bolt M6 x 16	
8	0760812	2	Bolt M8 x 25	
9	0761009	2	Bolt M10 x 18	
10	0761014	2	Bolt M10 x 30	
11	0771414	4	Bolt M14 x 30 Grade 10.9	
12	1321716	1	Clamp	
13	2460055	1	Generator and Control Box Assembly	
13A	7012558	1	Generator	
	See Note	Ref	Note: Replacement Generators come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
13A	7026199	1	Armature with Slip Rings	
13A	7012513	3	Cap, Brush Holder	
13A	7020108	4	Brush	
13A	7020109	4	Holder, Brush	
13A	7012514	1	Fan	
13A	7020110	1	Bell, Front	
13A	7020111	1	Bell, Rear	
13A	7020190	1	Bearing	
13B	7019680	1	Box, Control	
13B	4460190	1	Receptacle, Standard	
13B	4460027	1	Receptacle, Twistlock	
13B	4360542	1	Breaker, Circuit	
13B	3520028	1	Plug, Hole	
13B	4460961	1	Connector - 4 Position	
13B	4460705	4	Pin, Male	
13B	4460321	1	Connector - 4 Position (Note: Mate to p/n 4460961 Purchase Separately)	
13B	4460268	3	Socket, Female (Note: Mate to p/n 4460705 Purchase Separately)	
13C	2420203	1	Voltmeter	
13D	3580276	1	Pulley	
13D	7027887	1	Key, Woodruff	
14	2820031	AR	Heat Shrink	
15	See Note	1	Nameplate (Note: Not Available for Purchase)	
16	3251243	1	Nameplate 120V-60Hz	
17	3290605	1	Nut M6	
18	3290805	2	Nut M8	
19	3291005	2	Nut M10	
20	3311001	2	Nut #10	
21	3311705	1	Nut 7/16	
22	3331211	1	Nut M12	
23	3580158	1	Pulley	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
24	3740080	1	Relay	
25	4060802	1	Guard, Switch	
26	4240099	AR	Tie-Strap (Not Shown)	
27	4360336	1	Switch, Toggle	
28	4711700	5	Washer 7/16	
29	4751000	4	Washer #10	
30	4751500	1	Washer 5/16	
31	4811700	2	Washer M6	
32	4811900	4	Washer M8	
33	4812000	6	Washer M10	
34	4812200	4	Washer M14	
35	5241200	1	Washer M12 Hardened	
36	1001148641	1	Bracket	
37	1001168018	1	Washer, Snubbing	
38	1001183477	1	Support	
39	1001184637	1	Mount, Engine	
40	1001184644	1	Support	
41	1001184645	1	Bracket	
42	1001187522	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
43	1001188731	1	Wiring Diagram (Not Shown)	
43	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
44	1001182296	1	Harness, Inverter	
44	1060494	10 ft/3.5m	Cable, Electrical - 12/3	
44	4460134	1	Receptacle, Female	
44	4460138	1	Plug, Male	

FIGURE 3-44. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2.9L4 ENGINES

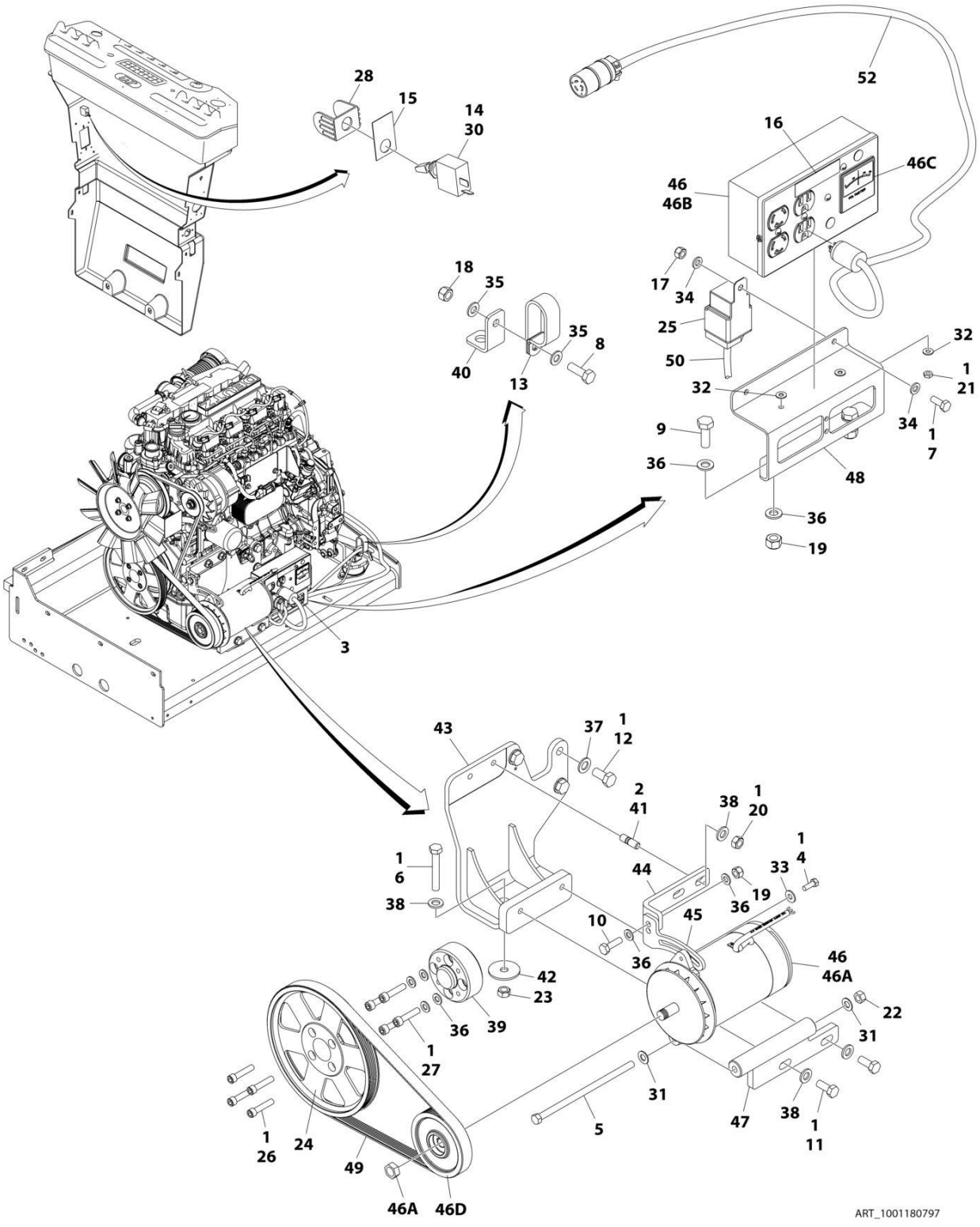


FIGURE 3-44. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180797	Ref	GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE)	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641507	1	Bolt 5/16 x 7/8	
5	0641772	1	Bolt 7/16 x 9	
6	0711224	AR	Bolt M12 x 80 Grade 10.9	
7	0760608	1	Bolt M6 x 16	
8	0760812	1	Bolt M8 x 25	
9	0761014	2	Bolt M10 x 30	
10	0761015	1	Bolt M10 x 35	
11	0761214	2	Bolt M12 x 30	
12	0771414	3	Bolt M14 x 30 Grade 10.9	
13	1321716	1	Clamp	
14	2820031	AR	Heat Shrink	
15	See Note	1	Nameplate (Note: Not Available for Purchase)	
16	3251243	1	Nameplate 120V-60Hz	
17	3290605	1	Nut M6	
18	3290805	1	Nut M8	
19	3291005	3	Nut M10	
20	3291201	2	Nut M12	
21	3311001	2	Nut #10	
22	3311705	1	Nut 7/16	
23	3331211	AR	Nut M12	
24	3580320	1	Pulley	
25	3740080	1	Relay	
26	3931628	4	Capscrew 3/8 x 1-3/4	
27	4032014	4	Bolt M10 x 50	
28	4060802	1	Guard, Switch	
29	4240099	AR	Tie-Strap (Not Shown)	
30	4360336	1	Switch, Toggle	
31	4711700	2	Washer 7/16	
32	4751000	4	Washer #10	
33	4751500	1	Washer 5/16	
34	4811700	2	Washer M6	
35	4811900	2	Washer M8	
36	4812000	AR	Washer M10	
37	4812200	AR	Washer M14	
38	5241200	AR	Washer M12 Hardened	
39	1001135679	1	Adapter	
40	1001148641	1	Bracket	
41	1001155041	2	Stud	
42	1001168018	AR	Washer, Snubbing	
43	1001168207	Ref	Support	
44	1001179836	1	Mount, Upper Generator	
45	1001179837	1	Arm Adjustment	
46	1001180001	1	Generator	
46A	7026199	1	Armature with Slip Rings	
46A	7012513	3	Cap, Brush Holder	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46A	7020108	4	Brush	
46A	7020109	4	Holder, Brush	
46A	7012514	1	Fan	
46A	7020110	1	Bell, Front	
46A	7020111	1	Bell, Rear	
46A	7020190	1	Bearing	
46B	7019680	1	Box, Control	
46B	4460190	1	Receptacle, Standard	
46B	4460027	1	Receptacle, Twistlock	
46B	4360542	1	Breaker, Circuit	
46B	3520028	1	Plug, Hole	
46B	4460961	1	Connector - 4 Position	
46B	4460705	4	Pin, Male	
46B	4460321	1	Connector - 4 Position (Note: Mate to p/n 4460961 Purchase Separately)	
46B	4460268	3	Socket, Female (Note: Mate to p/n 4460705 Purchase Separately)	
46C	2420203	1	Voltmeter	
46D	1001179893	1	Pulley	
46D	7027887	1	Key, Woodruff	
47	1001181243	1	Mount, Lower Generator	
48	1001183477	1	Support	
49	1001148138	1	Belt	
50	1001187522	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
51	1001188731	1	Wiring Diagram (Not Shown)	
51	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
52	1001182296	1	Harness, Inverter	
52	1060494	10 ft/3.5m	Cable, Electrical - 12/3	
52	4460134	1	Receptacle, Female	
52	4460138	1	Plug, Male	

FIGURE 3-45. 2500W/110V/60HZ GENERATOR INSTALLATION - KUBOTA ENGINES

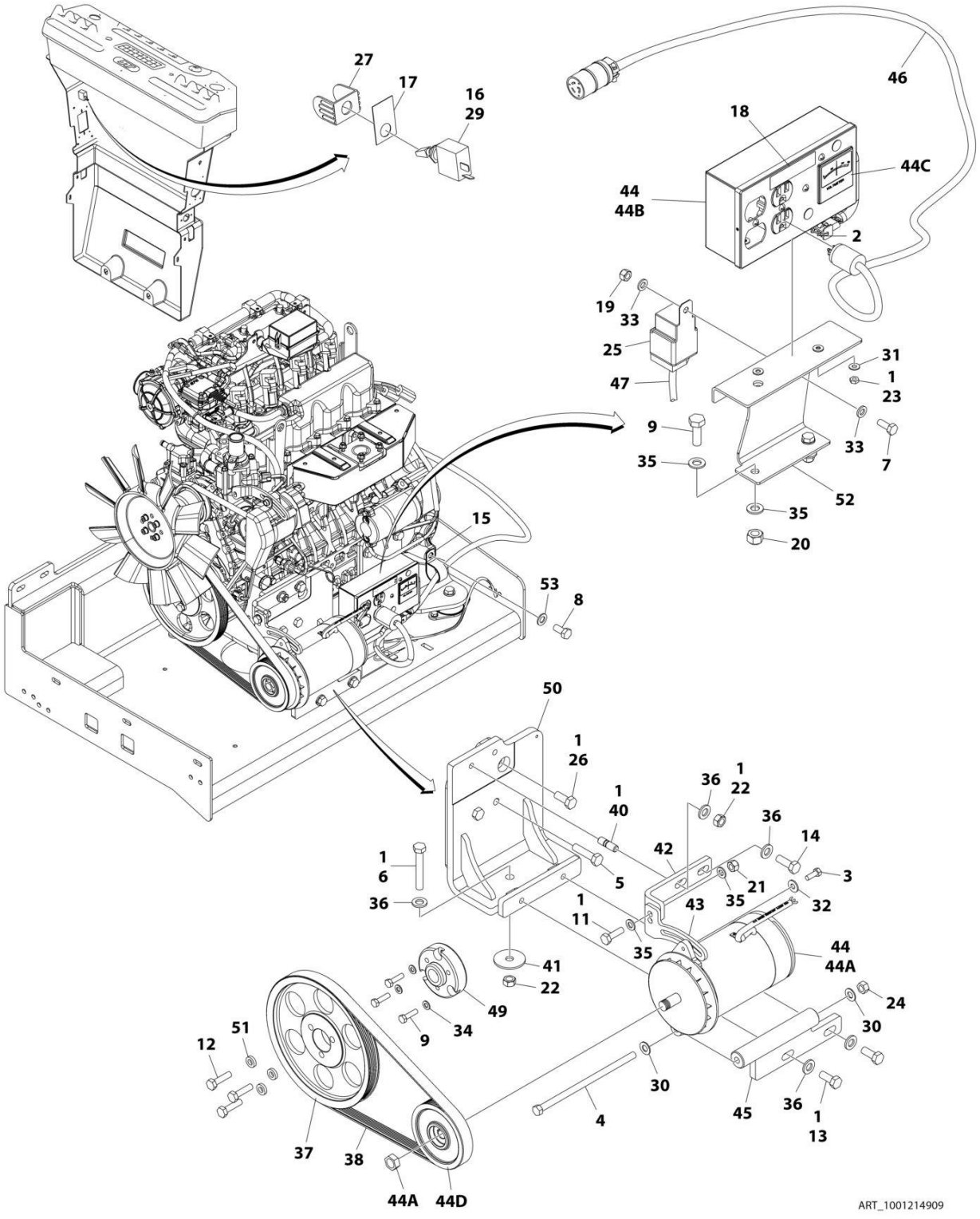


FIGURE 3-45. 2500W/110V/60HZ GENERATOR INSTALLATION - KUBOTA ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214909	Ref	GENERATOR INSTALLATION - 2500W/60Hz (KUBOTA ENGINE)	E
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0641507	1	Bolt 5/16 x 7/8	
4	0641772	1	Bolt 7/16 x 9	
5	1001217344	2	Bolt M12 x 50	
6	0711224	AR	Bolt M12 x 80 Grade 10.9	
6	0701224	AR	Bolt M12 x 80	
7	0760608	1	Bolt M6 x 16	
8	1001217345	1	Bolt M14 x 30	
9	0760814	5	Bolt M8 x 30	
11	0761015	1	Bolt M10 x 35	
12	0761016	3	Bolt M10 x 40	
13	0761214	2	Bolt M12 x 30	
14	0761215	1	Bolt M12 x 35	
15	84521061	1	Clamp	
16	2820031	AR	Heat Shrink	
17	See Note	1	Nameplate (Note: Not Available for Purchase)	
18	3251243	1	Nameplate 120V-60Hz	
19	3290605	1	Nut M6	
20	3290805	2	Nut M8	
21	3291005	1	Nut M10	
22	3291201	2	Nut M12	
23	3311001	2	Nut #10	
24	3311705	1	Nut 7/16	
25	3740080	1	Relay	
26	1001217342	1	Bolt M12 x 30	
27	4060802	1	Guard, Switch	
28	4240099	AR	Tie-Strap (Not Shown)	
29	4360336	1	Switch, Toggle	
30	4711700	2	Washer 7/16	
31	4751000	4	Washer #10	
32	4751500	1	Washer 5/16	
33	4811700	2	Washer M6	
34	4811900	5	Washer M8	
35	4812000	4	Washer M10	
36	5241200	1	Washer M12 Hardened	
37	1001147233	1	Pulley	
38	1001148138	1	Belt	
40	1001155041	1	Stud	
41	1001168018	1	Washer, Snubbing	
42	1001179836	1	Mount, Upper Generator	
43	1001179837	1	Arm Adjustment	
44	1001180001	1	Generator	
44A	7026199	1	Armature with Slip Rings	
44A	7012513	3	Cap, Brush Holder	
44A	7020108	4	Brush	
44A	7020109	4	Holder, Brush	
44A	7012514	1	Fan	
44A	7020110	1	Bell, Front	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44A	7020111	1	Bell, Rear	
44A	7020190	1	Bearing	
44B	7019680	1	Box, Control	
44B	4460190	1	Receptacle, Standard	
44B	4460027	1	Receptacle, Twistlock	
44B	4360542	1	Breaker, Circuit	
44B	3520028	1	Plug, Hole	
44B	4460961	1	Connector - 4 Position	
44B	4460705	4	Pin, Male	
44B	4460321	1	Connector - 4 Position (Note: Mate to p/n 4460961 Purchase Separately)	
44B	4460268	3	Socket, Female (Note: Mate to p/n 4460705 Purchase Separately)	
44C	2420203	1	Voltmeter	
44D	1001179893	1	Pulley	
44D	7027887	1	Key, Woodruff	
45	1001181243	1	Mount, Lower Generator	
46	1001182296	1	Harness, Inverter	
46	1060494	10 ft/ 3.5m	Cable, Electrical - 12/3	
46	4460134	1	Receptacle, Female	
46	4460138	1	Plug, Male	
47	1001187522	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
48	1001188731	1	Wiring Diagram (Not Shown)	
48	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
49	1001213029	1	Adapter, Pulley	
50	1001214546	1	Support	
51	1001216805	1	Spacer	
52	1001216840	1	Support	
53	4812200	1	Washer M14	

FIGURE 3-46. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES (Prior to SN 0300274547, Prior to SN E300008320)

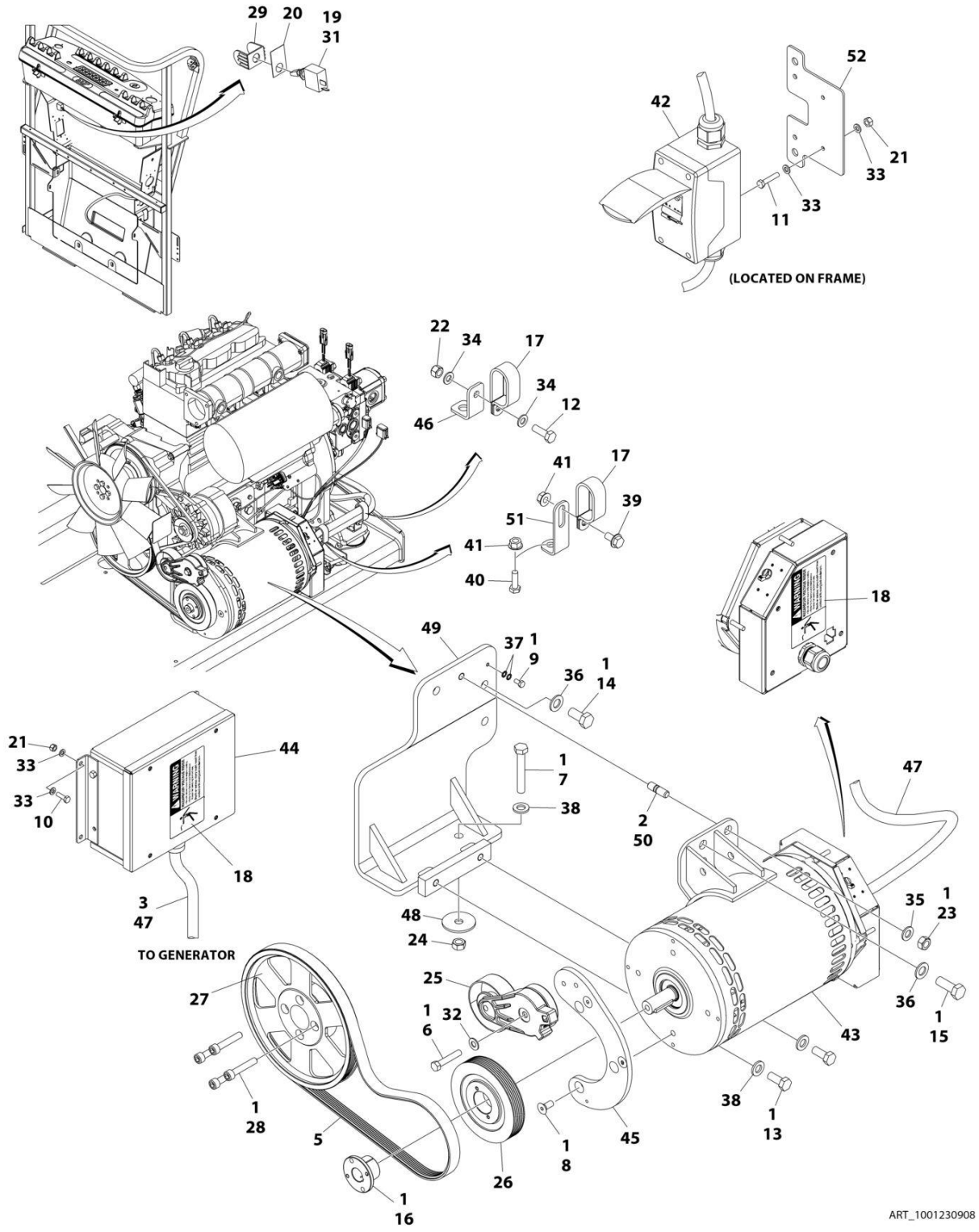


FIGURE 3-46. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES (Prior to SN 0300274547, Prior to SN E300008320)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230908	Ref	4000W/50Hz GENERATOR INSTALLATION - DEUTZ D2011 ENGINES	A
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant (Not Shown)	
5	0480126	1	Belt	
6	0641616	1	Bolt 3/8 x 2	
7	0711224	1	Bolt M12 x 80 Grade 10.9	
8	0741607	3	Screw 3/8 x 7/8	
9	0760606	1	Bolt M6 x 12	
10	0760610	4	Bolt M6 x 20	
11	0760614	2	Bolt M6 x 30	
12	0760812	1	Bolt M8 x 25	
13	0761214	2	Bolt M12 x 30	
14	0771414	2	Bolt M14 x 30 Grade 10.9	
15	0771416	1	Bolt M14 x 40	
16	0962520	1	Bushing	
17	1321716	2	Clamp	
18	1705489	2	Decal - Hazardous Voltage	
19	2820031	0.3 ft/ 0.1m	Heat Shrink	
20	3251102	1	Nameplate, Generator	
21	3290605	6	Nut M6	
22	3290805	1	Nut M8	
23	3291201	1	Nut M12	
24	3331211	1	Nut M12	
25	3580317	1	Pulley	
26	3580319	1	Pulley	
27	3580320	1	Pulley	
28	4032015	4	Bolt M10 x 55	
29	4060802	1	Guard, Switch	
30	4240099	AR	Tie-Strap (Not Shown)	
31	4360336	1	Switch, Toggle	
32	4711600	1	Washer 3/8	
33	4811700	12	Washer M6	
34	4811900	2	Washer M8	
35	4812100	1	Washer M12	
36	4812200	3	Washer M14	
37	4871700	2	Washer M6	
38	5241200	3	Washer M12 Hardened	
39	5250808	1	Bolt M8 x 16	
40	5250810	1	Bolt M8 x 20	
41	5260800	2	Flange Nut M8	
42	1001096070	1	Breaker Box Kit (50Hz) (See Separate Breakdown in ELECTRICAL Section)	
43	1001138565	1	Generator Assembly	
43	70003709	1	Ring, Retaining (External)	
43	70003708	1	Ring, Retaining (Internal)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	70001966	1	Bearing	
43	70004092	1	Endbell (Shaft End)	
43	70004171	1	Key	
43	70004676	1	Rotor	
43	70004677	1	Stator	
43	70004678	1	Endbell (Rear)	
43	70004679	1	Cover, Endbell (Rear)	
43	70004680	1	Enclosure, Wiring	
43	70004681	1	Cover, Enclosure	
43	70004682	1	Switch, Reset (Located on Enclosure Cover)	
43	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
44	1001138566	1	Box, Control	
45	1001139357	1	Mount, Tensioner	
46	1001148641	1	Bracket	
47	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
48	1001168018	1	Washer, Snubbing	
49	1001173925	1	Mount	
50	1001196382	1	Stud	
51	1001223122	1	Support, P-Clamp	
52	1001230784	1	Bracket	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	4922641	1	Generator Switch Harness (Not Shown)	

FIGURE 3-47. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES (SN 0300274547 to Present, SN E300008320 to Present)

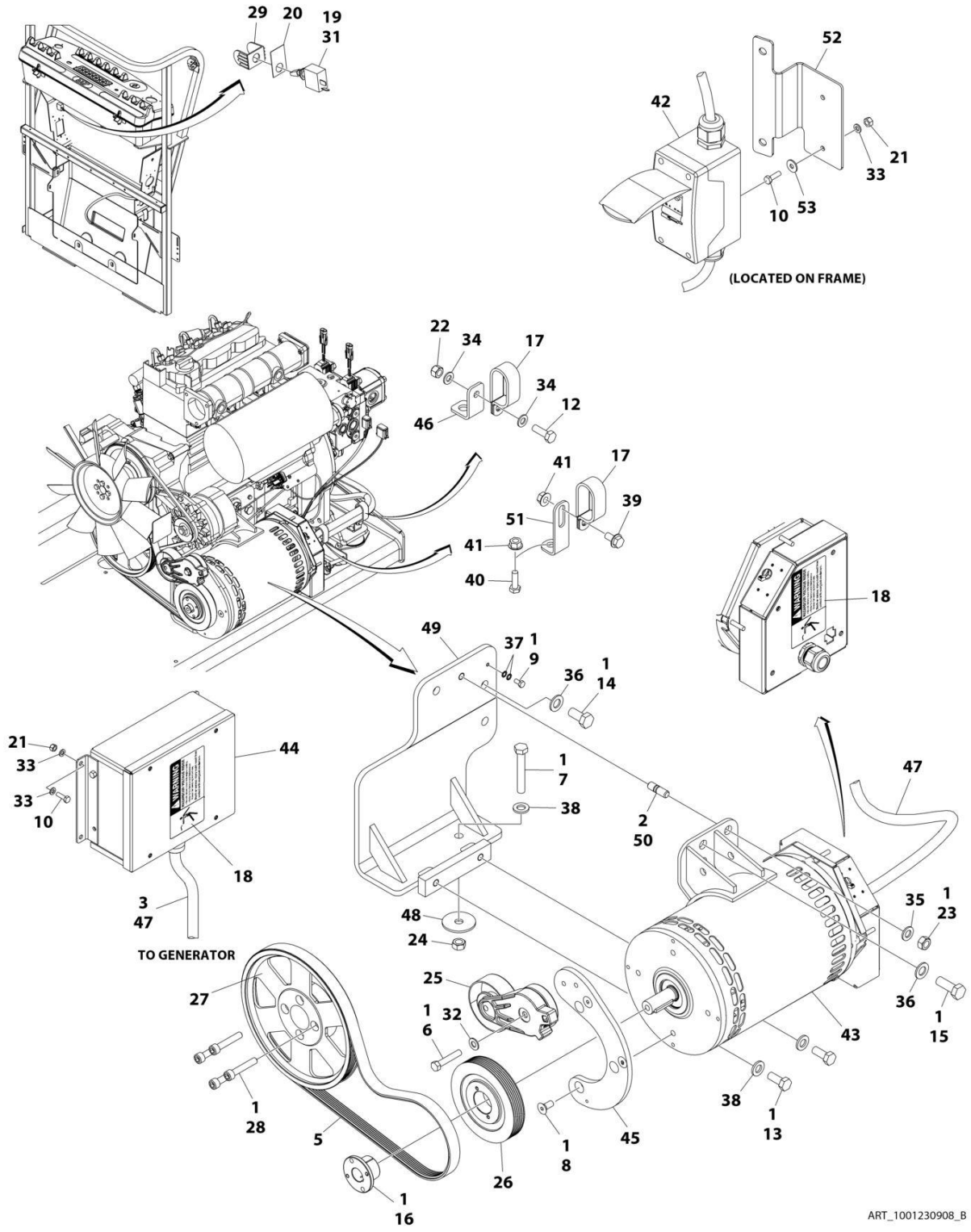


FIGURE 3-47. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES (SN 0300274547 to Present, SN E300008320 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230908	Ref	4000W/50Hz GENERATOR INSTALLATION - DEUTZ D2011 ENGINES	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant (Not Shown)	
5	0480126	1	Belt	
6	0641616	1	Bolt 3/8 x 2	
7	0711224	1	Bolt M12 x 80 Grade 10.9	
8	0741607	3	Screw 3/8 x 7/8	
9	0760606	1	Bolt M6 x 12	
10	0760610	6	Bolt M6 x 20	
12	0760812	1	Bolt M8 x 25	
13	0761214	2	Bolt M12 x 30	
14	0771414	2	Bolt M14 x 30 Grade 10.9	
15	0771416	1	Bolt M14 x 40	
16	0962520	1	Bushing	
17	1321716	2	Clamp	
18	1705489	2	Decal - Hazardous Voltage	
19	2820031	0.3 ft/ 0.1m	Heat Shrink	
20	3251102	1	Nameplate, Generator	
21	3290605	6	Nut M6	
22	3290805	1	Nut M8	
23	3291201	1	Nut M12	
24	3331211	1	Nut M12	
25	3580317	1	Pulley	
26	3580319	1	Pulley	
27	3580320	1	Pulley	
28	4032015	4	Bolt M10 x 55	
29	4060802	1	Guard, Switch	
30	4240099	AR	Tie-Strap (Not Shown)	
31	4360336	1	Switch, Toggle	
32	4711600	1	Washer 3/8	
33	4811700	10	Washer M6	
34	4811900	2	Washer M8	
35	4812100	1	Washer M12	
36	4812200	3	Washer M14	
37	4871700	2	Washer M6	
38	5241200	3	Washer M12 Hardened	
39	5250808	1	Bolt M8 x 16	
40	5250810	1	Bolt M8 x 20	
41	5260800	2	Flange Nut M8	
42	1001096070	1	Breaker Box Kit (50Hz) (See Separate Breakdown in ELECTRICAL Section)	
43	1001138565	1	Generator Assembly	
43	70003709	1	Ring, Retaining (External)	
43	70003708	1	Ring, Retaining (Internal)	
43	70001966	1	Bearing	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	70004092	1	Endbell (Shaft End)	
43	70004171	1	Key	
43	70004676	1	Rotor	
43	70004677	1	Stator	
43	70004678	1	Endbell (Rear)	
43	70004679	1	Cover, Endbell (Rear)	
43	70004680	1	Enclosure, Wiring	
43	70004681	1	Cover, Enclosure	
43	70004682	1	Switch, Reset (Located on Enclosure Cover)	
43	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
44	1001138566	1	Box, Control	
45	1001139357	1	Mount, Tensioner	
46	1001148641	1	Bracket	
47	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
48	1001168018	1	Washer, Snubbing	
49	1001173925	1	Mount	
50	1001196382	1	Stud	
51	1001223122	1	Support, P-Clamp	
52	1001230784	1	Bracket	
53	4811702	2	Washer M6	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	4922641	1	Generator Switch Harness (Not Shown)	

FIGURE 3-48. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

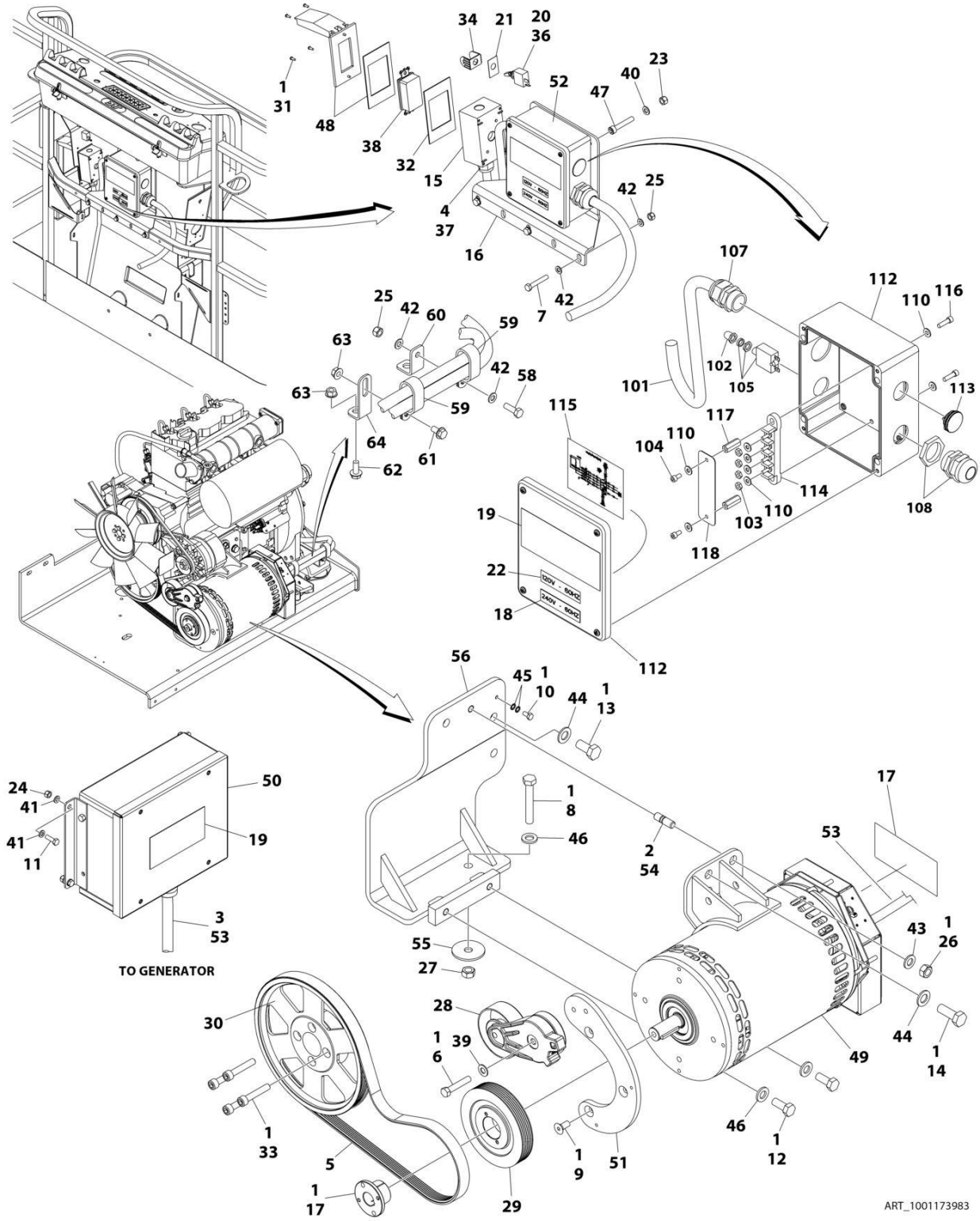


FIGURE 3-48. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173983	Ref	GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE)	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant	
5	0480128	1	Belt	
6	0641616	1	Bolt 3/8 x 2	
7	0700818	3	Bolt M8 x 50	
8	0711224	1	Bolt M12 x 80 Grade 10.9	
9	0741607	3	Screw 3/8 x 7/8	
10	0760606	1	Bolt M6 x 12	
11	0760610	4	Bolt M6 x 20	
12	0761214	2	Bolt M12 x 30	
13	0771414	2	Bolt M14 x 30 Grade 10.9	
14	0771416	1	Bolt M14 x 40	
15	0860038	1	Box, Switch	
16	0902888	1	Bracket	
17	0962520	1	Bushing	
18	1705374	1	Decal - 240V-60Hz	
19	1705387	3	Decal - Hazardous Voltage	
20	2820031	AR	Heat Shrink	
21	See Note	1	Nameplate (Note: Not Available for Purchase)	
22	3251243	1	Nameplate 120V-60Hz	
23	3290505	4	Nut M5	
24	3290605	4	Nut M6	
25	3290805	4	Nut M8	
26	3291201	2	Nut M12	
27	3331211	1	Nut M12	
28	3580317	1	Pulley	
29	3580318	1	Pulley	
30	3580320	1	Pulley	
31	3910606	4	Screw #6 x 3/8	
32	3960422	1	Gasket	
33	4032015	4	Bolt M10 x 55	
34	4060802	1	Guard, Switch	
35	4240099	AR	Tie-Strap (Not Shown)	
36	4360336	1	Switch, Toggle	
37	4460071	1	Connector, Strain Relief	
38	4460346	1	Receptacle	
39	4711600	1	Washer 3/8	
40	4811600	4	Washer M5	
41	4811700	8	Washer M6	
42	4811900	8	Washer M8	
43	4812100	1	Washer M12	
44	4812200	3	Washer M14	
45	4871700	2	Washer M6	
46	5241200	3	Washer M12 Hardened	
47	1001104029	4	Screw M5 x 30	
48	1001110873	1	Shield, Cover	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001129858	1	Generator	
49	70003709	1	Ring, Retaining (External)	
49	70003708	1	Ring, Retaining (Internal)	
49	70001966	1	Bearing	
49	70004092	1	Endbell (Shaft End)	
49	70004171	1	Key	
49	70004676	1	Rotor	
49	70004684	1	Stator	
49	70004678	1	Endbell (Rear)	
49	70004679	1	Cover, Endbell (Rear)	
49	70004680	1	Enclosure, Wiring	
49	70004685	1	Cover, Enclosure	
49	70004682	1	Switch, Reset (Located on Enclosure Cover)	
49	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
50	1001138566	1	Box, Control	
50	70006552	1	Capacitor	
50	70006553	1	Relay	
51	1001139357	1	Mount, Tensioner	
52	1001152457	1	Generator Junction Box Assembly (See Items 101-118 for Breakdown)	
53	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
54	1001196382	1	Stud	
55	1001168018	1	Washer, Snubbing	
56	1001173925	1	Mount	
57	1001175631	1	Wiring Diagram (Not Shown)	
57	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
58	0760812	1	Bolt M8 x 25	
59	1321716	2	Clamp	
60	1001148641	1	Bracket	
61	5250808	1	Bolt M8 x 16	
62	5250810	1	Bolt M8 x 20	
63	5260800	2	Nut M8	
64	1001223122	1	Support	
	1001152457	Ref	GENERATOR JUNCTION BOX COMPONENTS	
101	1001179154	2.5 ft/ 0.8m	Cable, Electrical - 12/3	
102	3300396	1	Cover, Breaker	
103	3311001	4	Nut #10	
104	3900300	2	Screw	
105	4360070	1	Breaker, Circuit - 15Amp	
107	4460425	1	Connector, Strain Relief (LH Side)	
108	4460426	1	Connector, Strain Relief (RH Side)	
110	4711000	8	Washer #10	
112	1001152456	1	Box, Junction	
113	1001152525	1	Plug	
114	1001152530	1	Terminal, Block	
115	1001153260	1	Decal - Wiring Diagram	
116	3900267	2	Screw	
117	1001158008	2	Stand-Off	
118	1001158363	1	Cover, Terminal Block	

FIGURE 3-49. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2.9L4 ENGINES

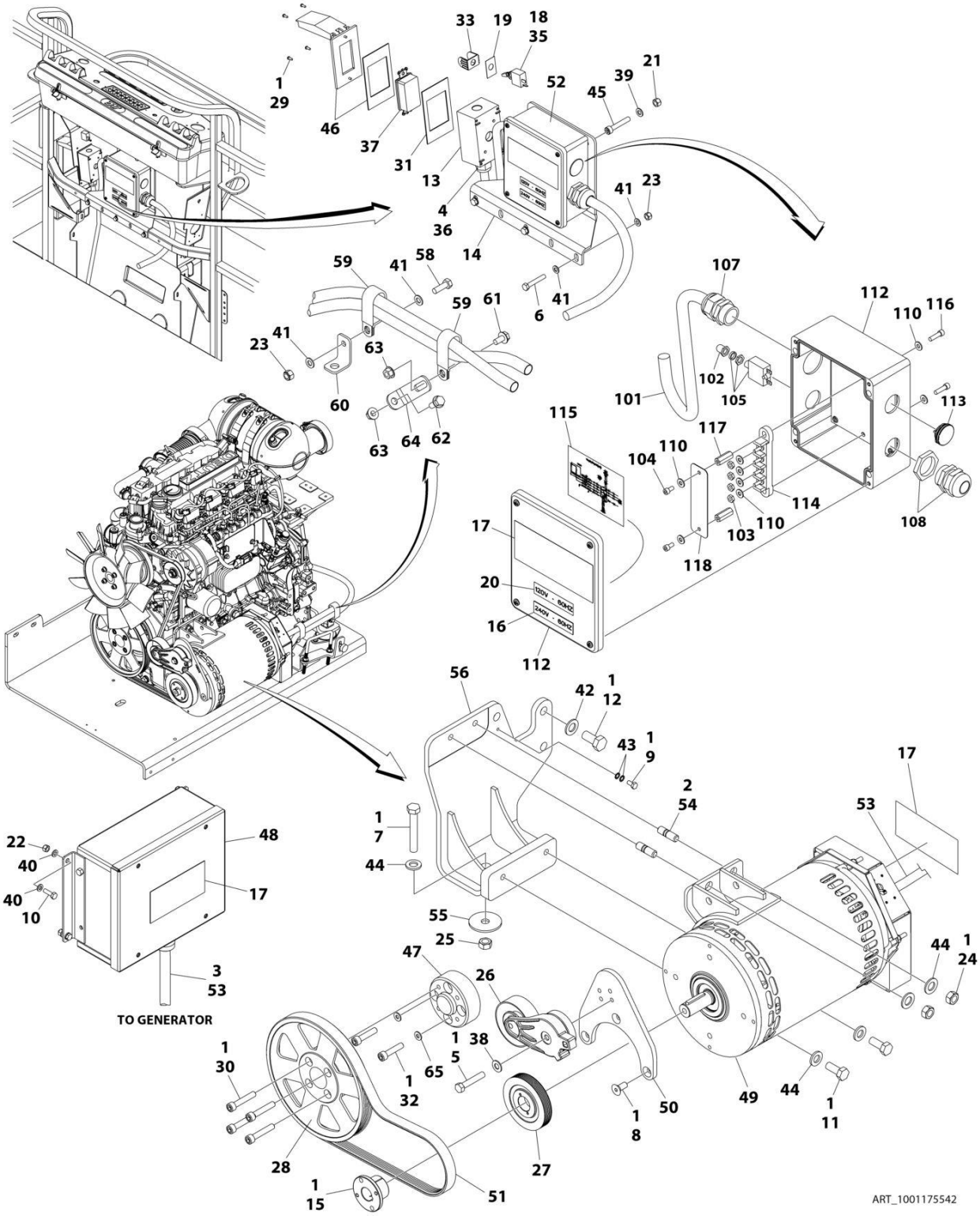


FIGURE 3-49. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175542	Ref	GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE)	J
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant	
5	0641616	1	Bolt 3/8 x 2	
6	0700818	3	Bolt M8 x 50	
7	0711224	AR	Bolt M12 x 80 Grade 10.9	
8	0741607	3	Screw 3/8 x 7/8	
9	0760606	1	Bolt M6 x 12	
10	0760610	4	Bolt M6 x 20	
11	0761212	2	Bolt M12 x 25	
12	0771414	AR	Bolt M14 x 30 Grade 10.9	
13	0860038	1	Box, Switch	
14	0902888	1	Bracket	
15	0962520	1	Bushing	
16	1705374	1	Decal - 240V-60Hz	
17	1705387	3	Decal - Hazardous Voltage	
18	2820031	AR	Heat Shrink	
19	See Note	1	Nameplate (Note: Not Available for Purchase)	
20	3251243	1	Nameplate 120V-60Hz	
21	3290505	4	Nut M5	
22	3290605	4	Nut M6	
23	3290805	4	Nut M8	
24	3291201	2	Nut M12	
25	3331211	AR	Nut M12	
26	3580317	1	Pulley	
27	3580318	1	Pulley	
28	3580320	1	Pulley	
29	3910606	4	Screw #6 x 3/8	
30	3931628	4	Capscrew 3/8 x 1-3/4	
31	3960422	1	Gasket	
32	4032014	4	Capscrew M10 x 50	
33	4060802	1	Guard, Switch	
34	4240099	AR	Tie-Strap (Not Shown)	
35	4360336	1	Switch, Toggle	
36	4460071	1	Connector, Strain Relief	
37	4460346	1	Receptacle	
38	4711600	1	Washer 3/8	
39	4811600	4	Washer M5	
40	4811700	8	Washer M6	
41	4811900	8	Washer M8	
42	4812200	AR	Washer M14	
43	4871700	2	Washer M6	
44	5241200	AR	Washer M12 Hardened	
45	1001104029	4	Screw M5 x 30	
46	1001110873	1	Shield, Cover	
47	1001135679	1	Adapter	
48	1001138566	1	Box, Control	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001140346	1	Generator Assembly	
49	70003709	1	Ring, Retaining (External)	
49	70003708	1	Ring, Retaining (Internal)	
49	70001966	1	Bearing	
49	70004092	1	Endbell (Shaft End)	
49	70004099	1	Key	
49	70004676	1	Rotor	
49	70004687	1	Stator	
49	70004678	1	Endbell (Rear)	
49	70004679	1	Cover, Endbell (Rear)	
49	70004680	1	Enclosure, Wiring	
49	70004685	1	Cover, Enclosure	
49	70004682	1	Switch, Reset (Located on Enclosure Cover)	
49	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
50	1001142643	1	Support	
51	1001142646	1	Belt	
52	1001152457	1	Generator Junction Box Assembly (See Items 101-118 for Breakdown)	
53	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
54	1001196382	2	Stud	
55	1001168018	AR	Washer, Snubbing	
56	1001168207	Ref	Support	
57	1001175631	1	Wiring Diagram (Not Shown)	
57	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
58	0760812	1	Bolt M8 x 25	
59	1321716	2	Clamp	
60	1001148641	1	Bracket	
61	5250808	1	Bolt M8 x 16	
62	5250810	1	Bolt M8 x 20	
63	5260800	2	Nut M8	
64	1001223122	1	Support	
65	4812000	4	Washer M10	
	1001152457	Ref	GENERATOR JUNCTION BOX COMPONENTS	
101	1001179154	2.5 ft/ 0.8m	Cable, Electrical - 12/3	
102	3300396	1	Cover, Breaker	
103	3311001	4	Nut #10	
104	3900300	2	Screw	
105	4360070	1	Breaker, Circuit - 15Amp	
107	4460425	1	Connector, Strain Relief (LH Side)	
108	4460426	1	Connector, Strain Relief (RH Side)	
110	4711000	8	Washer #10	
112	1001152456	1	Box, Junction	
113	1001152525	1	Plug	
114	1001152530	1	Terminal, Block	
115	1001153260	1	Decal - Wiring Diagram	
116	3900267	2	Screw	
117	1001158008	2	Stand-Off	
118	1001158363	1	Cover, Terminal Block	

FIGURE 3-50. 4000W/50HZ GENERATOR INSTALLATION (DEUTZ D2.9L4 (STAGE V) ENGINES) (Prior to SN 0300274547, Prior to SN E300008320)

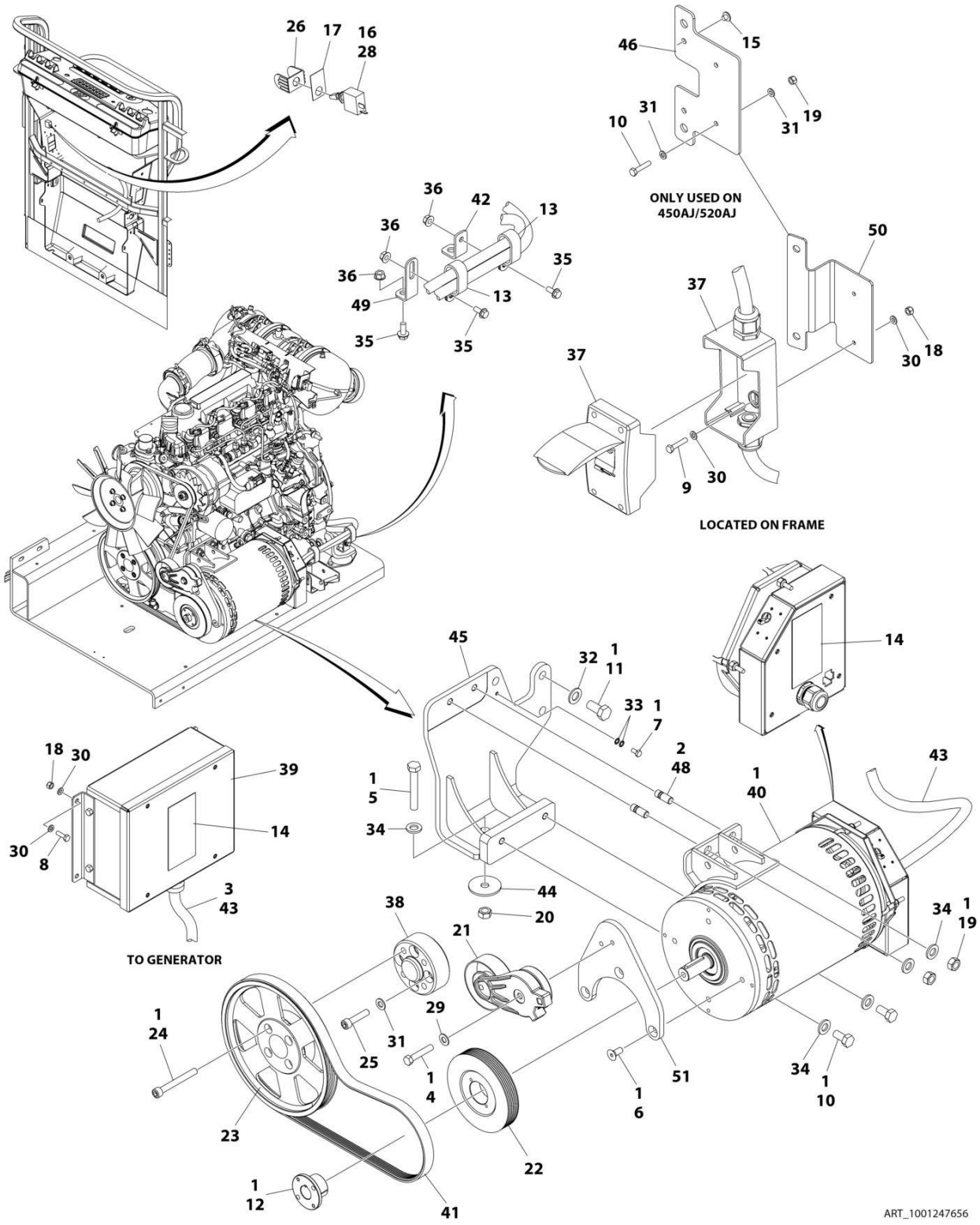


FIGURE 3-50. 4000W/50HZ GENERATOR INSTALLATION (DEUTZ D2.9L4 (STAGE V) ENGINES) (Prior to SN 0300274547, Prior to SN E300008320)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247656	Ref	GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ (STAGE V) ENGINE)	D
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641616	1	Bolt 3/8 x 2	
5	0711224	1	Bolt M12 x 80	
6	0741607	3	Screw 3/8 x 7/8	
7	0760606	1	Bolt M6 x 12	
8	0760610	4	Bolt M6 x 20	
9	0760614	2	Screw M6 x 30	
10	0761212	2	Bolt M12 x 25	
11	0771414	3	Bolt M14 x 30	
12	0962520	1	Bushing	
13	1321716	2	Clamp	
14	1705489	2	Decal - Hazardous Voltage	
15	2080040	2	Fastener, Huck	
16	2820031	0.33 ft /0.10m	Heat Shrink	
17	3251102	1	Nameplate, Generator	
18	3290605	6	Nut M6	
19	3291201	2	Nut M12	
20	3331211	1	Nut M12	
21	3580317	1	Pulley	
22	3580319	1	Pulley	
23	1001260432	1	Pulley	
24	1001261085	4	Capscrew M10 x 85	
25	1001261045	4	Capscrew M10 x 45	
26	4060802	1	Guard, Switch	
27	4240099	AR	Tie-Strap (Not Shown)	
28	4360336	1	Switch, Toggle	
29	4711600	1	Washer 3/8	
30	4811700	12	Washer M6	
31	4812000	4	Washer M14	
32	4812200	3	Washer M14	
33	4871700	2	Washer M6	
34	5241200	5	Washer M12 Hardened	
35	5250810	3	Bolt M8 x 20	
36	5260800	3	Nut M8	
37	1001096070	1	Breaker Box Kit (50Hz) (See Separate Breakdown in ELECTRICAL Section)	
38	1001135679	1	Adapter	
39	1001138566	1	Box, Control	
40	1001140347	1	Generator, 4000W/ 50HZ - Deutz Engine	
40	70003709	1	Ring, Retaining (External)	
40	70003708	1	Ring, Retaining (Internal)	
40	70001966	1	Bearing	
40	70004092	1	Endbell (Shaft End)	
40	70004099	1	Key	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	70004676	1	Rotor	
40	70004686	1	Stator	
40	70004678	1	Endbell (Rear)	
40	70004679	1	Cover, Endbell (Rear)	
40	70004680	1	Enclosure, Wiring	
40	70004681	1	Cover, Enclosure	
40	70004682	1	Switch, Reset (Located on Enclosure Cover)	
40	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
41	1001148059	1	Belt, Generator	
42	1001148641	1	Bracket	
43	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
44	1001168018	1	Washer, Snubbing	
45	1001168207	1	Support (Prior to PVC 2107)	
46	1001174158	1	Mount	
47	1001174675	1	Wiring Diagram (Not Shown)	
48	1001196382	2	Stud	
49	1001223122	1	Support	
50	1001230784	1	Bracket	
51	1001248190	1	Support	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	4922641	1	Generator Switch Harness (Not Shown)	

FIGURE 3-51. 4000W/50HZ GENERATOR INSTALLATION (DEUTZ D2.9L4 (STAGE V) ENGINES) (SN 0300274547 to Present, SN E300008320 to Present)

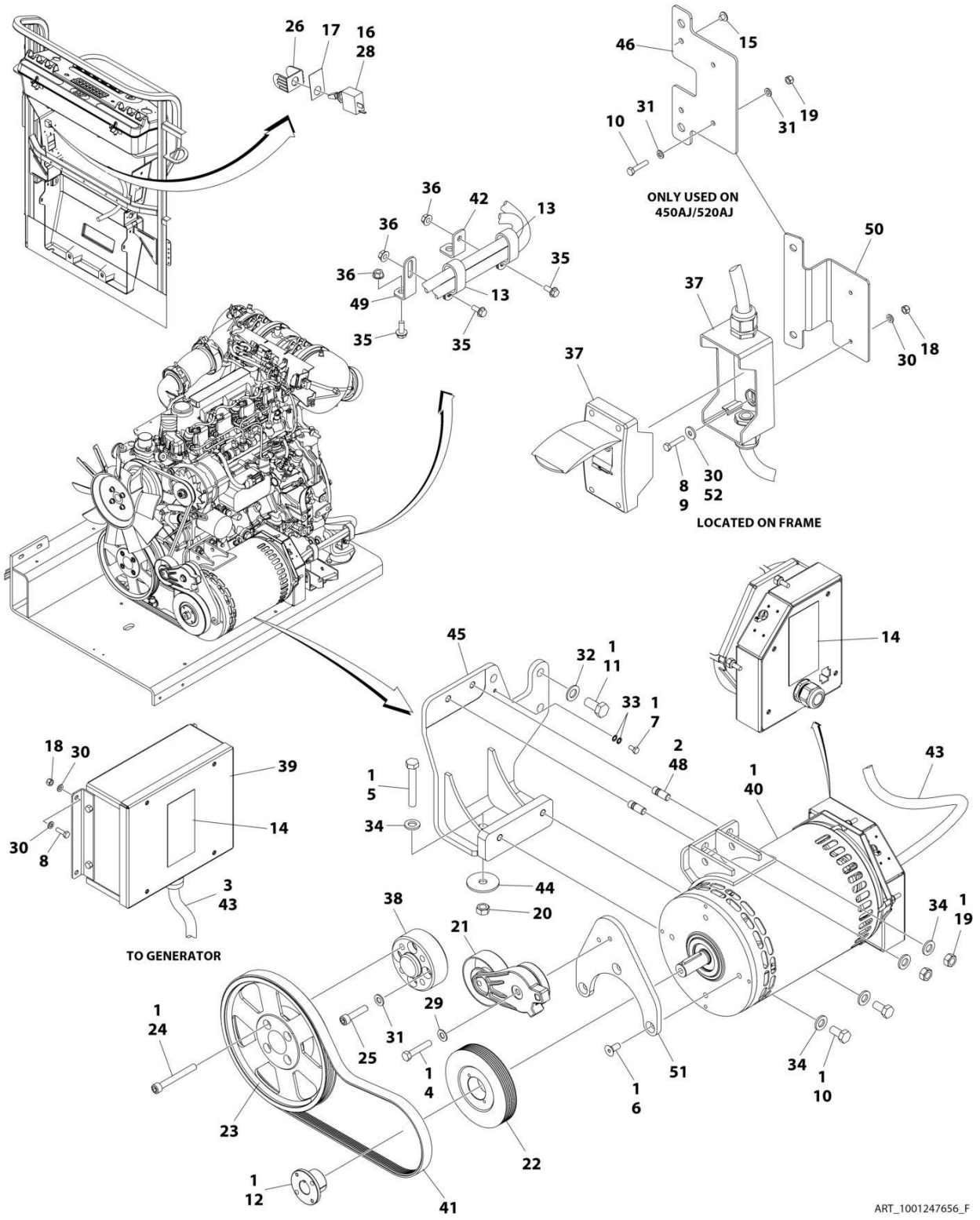


FIGURE 3-51. 4000W/50HZ GENERATOR INSTALLATION (DEUTZ D2.9L4 (STAGE V) ENGINES) (SN 0300274547 to Present, SN E300008320 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247656	Ref	GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ (STAGE V) ENGINE)	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641616	1	Bolt 3/8 x 2	
5	0711224	AR	Bolt M12 x 80	
6	0741607	3	Screw 3/8 x 7/8	
7	0760606	1	Bolt M6 x 12	
8	0760610	AR	Bolt M6 x 20	
9	0760614	AR	Bolt M6 x 30	
10	0761212	2	Bolt M12 x 25	
11	0771414	AR	Bolt M14 x 30	
12	0962520	1	Bushing	
13	1321716	2	Clamp	
14	1705489	2	Decal - Hazardous Voltage	
15	2080040	2	Fastener, Huck	
16	2820031	0.33 ft /0.10m	Heat Shrink	
17	3251102	1	Nameplate, Generator	
18	3290605	AR	Nut M6	
19	3291201	2	Nut M12	
20	3331211	AR	Nut M12	
21	3580317	1	Pulley	
22	3580319	1	Pulley	
23	1001260432	1	Pulley	
24	1001261085	4	Capscrew M10 x 85	
25	1001261045	4	Capscrew M10 x 45	
26	4060802	1	Guard, Switch	
27	4240099	AR	Tie-Strap (Not Shown)	
28	4360336	1	Switch, Toggle	
29	4711600	1	Washer 3/8	
30	4811700	12	Washer M6	
31	4812000	4	Washer M14	
32	4812200	AR	Washer M14	
33	4871700	2	Washer M6	
34	5241200	AR	Washer M12 Hardened	
35	5250810	3	Bolt M8 x 20	
36	5260800	3	Nut M8	
37	1001096070	1	Breaker Box Kit (50Hz) (See Separate Breakdown in ELECTRICAL Section)	
38	1001135679	1	Adapter	
39	1001138566	1	Box, Control	
40	1001140347	1	Generator, 4000W/ 50HZ - Deutz Engine	
40	70003709	1	Ring, Retaining (External)	
40	70003708	1	Ring, Retaining (Internal)	
40	70001966	1	Bearing	
40	70004092	1	Endbell (Shaft End)	
40	70004099	1	Key	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	70004676	1	Rotor	
40	70004686	1	Stator	
40	70004678	1	Endbell (Rear)	
40	70004679	1	Cover, Endbell (Rear)	
40	70004680	1	Enclosure, Wiring	
40	70004681	1	Cover, Enclosure	
40	70004682	1	Switch, Reset (Located on Enclosure Cover)	
40	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
41	1001148059	1	Belt, Generator	
42	1001148641	1	Bracket	
43	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
44	1001168018	AR	Washer, Snubbing	
45	1001168207	AR	Support (Prior to PVC 2107)	
46	1001174158	1	Mount	
47	1001174675	1	Wiring Diagram (Not Shown)	
48	1001196382	2	Stud	
49	1001223122	1	Support	
50	1001230784	1	Bracket	
51	1001248190	1	Support	
52	4811702	4	Washer M6	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	4922641	1	Generator Switch Harness (Not Shown)	

FIGURE 3-52. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

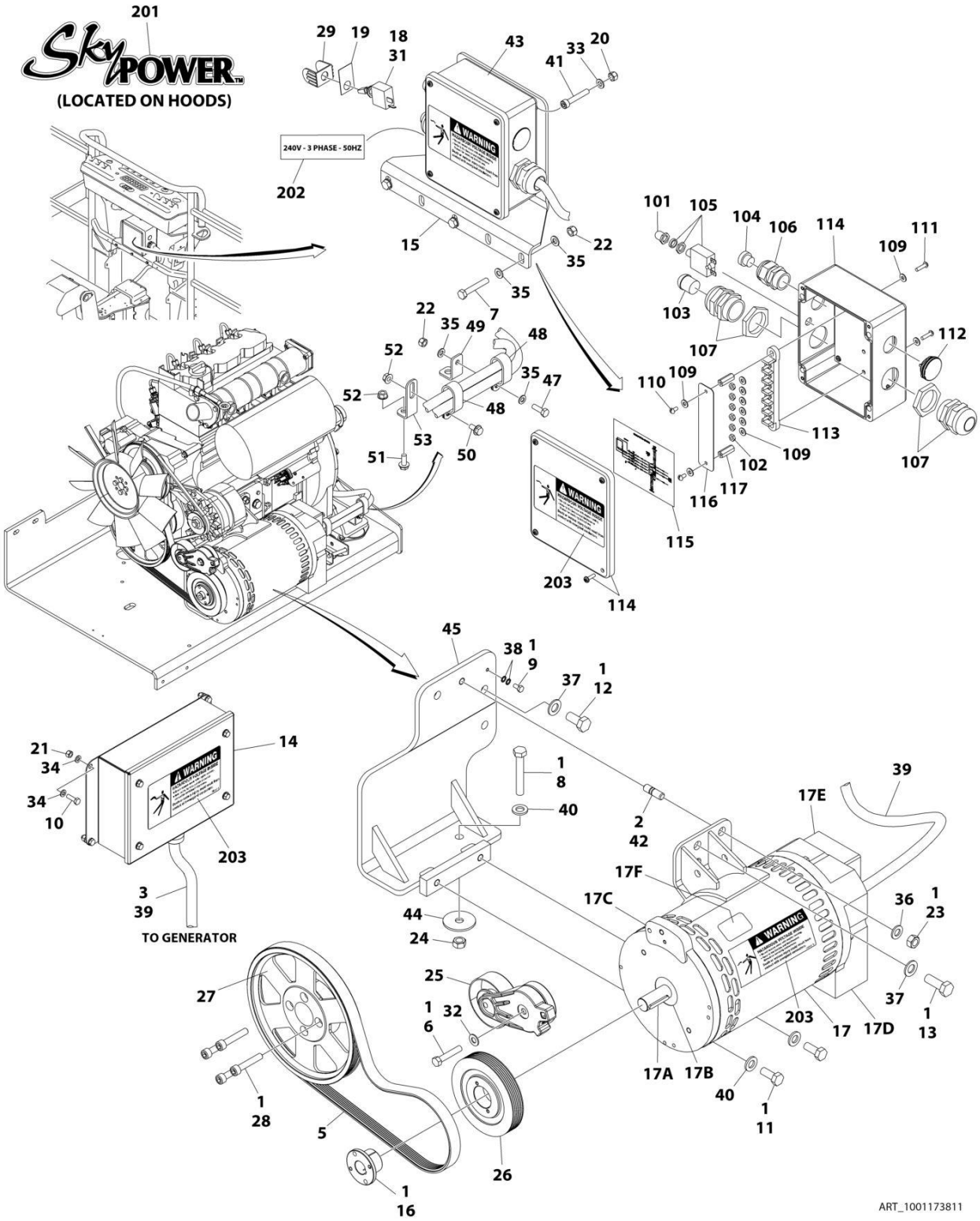


FIGURE 3-52. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173811	Ref	GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE)	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant (Not Shown)	
5	0480126	1	Belt	
6	0641616	1	Bolt 3/8 x 2	
7	0700818	3	Bolt M8 x 50	
8	0711224	1	Bolt M12 x 80 Grade 10.9	
9	0760606	1	Bolt M6 x 12	
10	0760610	4	Bolt M6 x 20	
11	0761214	2	Bolt M12 x 30	
12	0771414	2	Bolt M14 x 30 Grade 10.9	
13	0771416	1	Bolt M14 x 40	
14	0861572	1	Control Box Assembly	
14	7024488	1	Card, Circuit - Generator Power	
14	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
14	7024489	1	Card, Circuit - Control	
14	70000619	1	Harness, Control Box (Internal)	
15	0902888	1	Bracket	
16	0962520	1	Bushing	
17	2460048	1	Generator Assembly	
17	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
17	70001384	1	Bearing, Ball Radial (Not Shown)	
17	70000863	1	Fan (Not Shown)	
17	70002088	1	Stator (Not Shown)	
17	70002297	1	Stud	
17	70003631	1	Brushholder Assembly (Not Shown)	
17A	70004171	1	Key	
17B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
17B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
17B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
17C	70001953	1	Endbell, Belt Tensioner	
17D	70004169	1	Endbell, Brush Block	
17E	70004169	1	Shroud	
17E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
17E	7027799	1	Block, Connector 6 Position (Not Shown)	
17E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
17E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
17E	70001696	1	Boot, Breaker (Not Shown)	
17E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 39)	
17E	7026597	1	Connector, with Leads (Not Shown)	
17E	7026188	1	Clamp, Cable Options (Not Shown)	
17E	70004169	1	Plate, End Panel	
17E	70001974	1	Decal - Terminal Connections	
17F	70001973	1	Decal - Warning Moving Parts	
18	2820031	AR	Heat Shrink	
19	3252764	1	Nameplate	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
20	3290505	4	Nut M5	
21	3290605	4	Nut M6	
22	3290805	4	Nut M8	
23	3291201	1	Nut M12	
24	3331211	1	Nut M12	
25	3580317	1	Pulley	
26	3580319	1	Pulley	
27	3580320	1	Pulley	
28	4032015	4	Bolt M10 x 55	
29	4060802	1	Guard, Switch	
30	4240099	AR	Tie-Strap (Not Shown)	
31	4360336	1	Switch, Toggle	
32	4711600	1	Washer 3/8	
33	4811600	4	Washer M5	
34	4811700	8	Washer M6	
35	4811900	8	Washer M8	
36	4812100	1	Washer M12	
37	4812200	3	Washer M14	
38	4871700	2	Washer M6	
39	4922925	1	Harness, Generator	
39	4460225	1	Plug, Male 6 Position (Plugs into Generator)	
39	See Note	NSS	Socket, Female (Use with 4460225)	
39	See Note	NSS	Seal, Plug (Use with 4460225)	
39	See Note	NSS	Seal, Interface (Use with 4460225)	
40	5241200	3	Washer M12 Hardened	
41	1001104029	4	Screw M5 x 30	
42	1001196382	1	Stud	
43	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
44	1001168018	1	Washer, Snubbing	
45	1001173925	1	Mount	
46	1001174675	1	Wiring Diagram (Not Shown)	
46	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
47	0760812	1	Bolt M8 x 25	
48	1321716	2	Clamp	
49	1001148641	1	Bracket	
50	5250808	1	Bolt M8 x 16	
51	5250810	1	Bolt M8 x 20	
52	5260800	2	Nut M8	
53	1001223122	1	Support	
	1001157525	Ref	JUNCTION BOX ASSEMBLY	B
101	3300396	1	Cover, Fuse	
102	3311001	6	Nut #10	
103	3520189	1	Plug	
104	3520192	1	Plug	
105	4360070	1	Circuit Breaker - 15Amp	
106	4460425	1	Connector, Strain Relief	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Flatwasher #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
113	1001157520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase - 50Hz	
203	1705489	3	Decal - Hazardous Voltage	

FIGURE 3-53. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

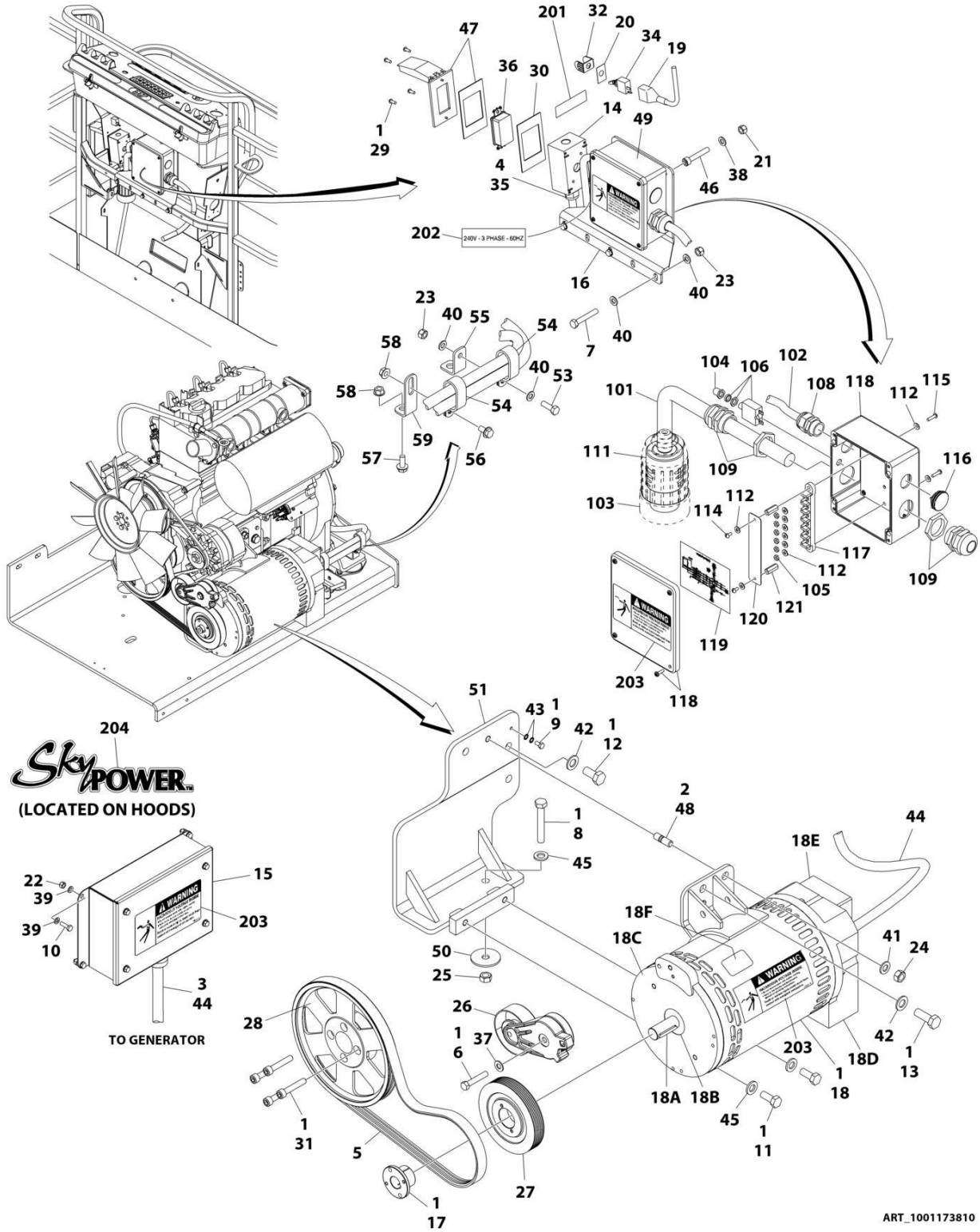


FIGURE 3-53. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173810	Ref	GENERATOR INSTALLATION - 7500W/60Hz (DEUTZ D2011 ENGINE)	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant	
5	0480128	1	Belt	
6	0641616	1	Bolt 3/8 x 2	
7	0700818	3	Bolt M8 x 50	
8	0711224	1	Bolt M12 x 80 Grade 10.9	
9	0760606	1	Bolt M6 x 12	
10	0760610	4	Bolt M6 x 20	
11	0761214	2	Bolt M12 x 30	
12	0771414	2	Bolt M14 x 30 Grade 10.9	
13	0771416	1	Bolt M14 x 40	
14	0860038	1	Box, Switch	
15	0861538	1	Control Box Assembly	
15	7024488	1	Card, Circuit - Generator Power	
15	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
15	7024489	1	Card, Circuit - Control	
15	70000619	1	Harness, Control Box (Internal)	
16	0902888	1	Bracket	
17	0962520	1	Bushing	
18	2460048	1	Generator Assembly	
18	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
18	70001384	1	Bearing, Ball Radial (Not Shown)	
18	70000863	1	Fan (Not Shown)	
18	70002088	1	Stator (Not Shown)	
18	70002297	1	Stud	
18	70003631	1	Brushholder Assembly (Not Shown)	
18A	70004171	1	Key	
18B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
18B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
18B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
18C	70001953	1	Endbell, Belt Tensioner	
18D	70004169	1	Endbell, Brush Block	
18E	70004169	1	Shroud	
18E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
18E	7027799	1	Block, Connector 6 Position (Not Shown)	
18E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
18E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
18E	70001696	1	Boot, Breaker (Not Shown)	
18E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 39)	
18E	7026597	1	Connector, with Leads (Not Shown)	
18E	7026188	1	Clamp, Cable Options (Not Shown)	
18E	70004169	1	Plate, End Panel	
18E	70001974	1	Decal - Terminal Connections	
18F	70001973	1	Decal - Warning Moving Parts	
19	2820031	AR	Heat Shrink	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
20	3252764	1	Nameplate	
21	3290505	4	Nut M5	
22	3290605	4	Nut M6	
23	3290805	4	Nut M8	
24	3291201	1	Nut M12	
25	3331211	1	Nut M12	
26	3580317	1	Pulley	
27	3580318	1	Pulley	
28	3580320	1	Pulley	
29	3910606	4	Screw #6 x 3/8	
30	3960422	1	Gasket	
31	4032015	4	Bolt M10 x 55	
32	4060802	1	Guard, Switch	
33	4240099	AR	Tie-Strap (Not Shown)	
34	4360336	1	Switch, Toggle	
35	4460071	1	Connector, Strain Relief	
36	4460346	1	Receptacle	
37	4711600	1	Washer 3/8	
38	4811600	4	Washer M5	
39	4811700	8	Washer M6	
40	4811900	8	Washer M8	
41	4812100	1	Washer M12	
42	4812200	3	Washer M14	
43	4871700	2	Washer M6	
44	4922925	1	Harness, Generator	
44	4460225	1	Plug, Male 6 Position (Plugs into Generator)	
44	See Note	NSS	Socket, Female (Use with 4460225)	
44	See Note	NSS	Seal, Plug (Use with 4460225)	
44	See Note	NSS	Seal, Interface (Use with 4460225)	
45	5241200	3	Washer M12 Hardened	
46	1001104029	4	Screw M5 x 30	
47	1001110873	1	Shield, Cover	
48	1001196382	1	Stud	
49	1001157592	1	Junction Box Assembly Options (See Items 101-121 for Breakdown)	
50	1001168018	1	Washer, Snubbing	
51	1001173925	1	Mount	
52	1001174675	1	Wiring Diagram (Not Shown)	
52	4922641	1	Harness, On/Off Switch (Not Shown - Located at Plaform)	
53	0760812	1	Bolt M8 x 25	
54	1321716	2	Clamp	
55	1001148641	1	Bracket	
56	5250808	1	Bolt M8 x 16	
57	5250810	1	Bolt M8 x 20	
58	5260800	2	Nut M8	
59	1001223122	1	Support	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft /0.5m	Cable, Electrical 10/4	
102	1001179154	2.5 ft /0.8m	Cable, Electrical 12/3	
103	1671092	1	Cover	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	10	Flatwasher #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D
	0273380	Ref	DECAL INSTALLATION	B
201	3251243	1	Decal - 120V - 60Hz	
202	1705375	1	Decal - 240V - 3 Phase - 60Hz	
203	1705387	3	Decal - Hazardous Voltage	
204	1705460	2	Decal - SkyPower	

FIGURE 3-54. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2.9L4 ENGINES

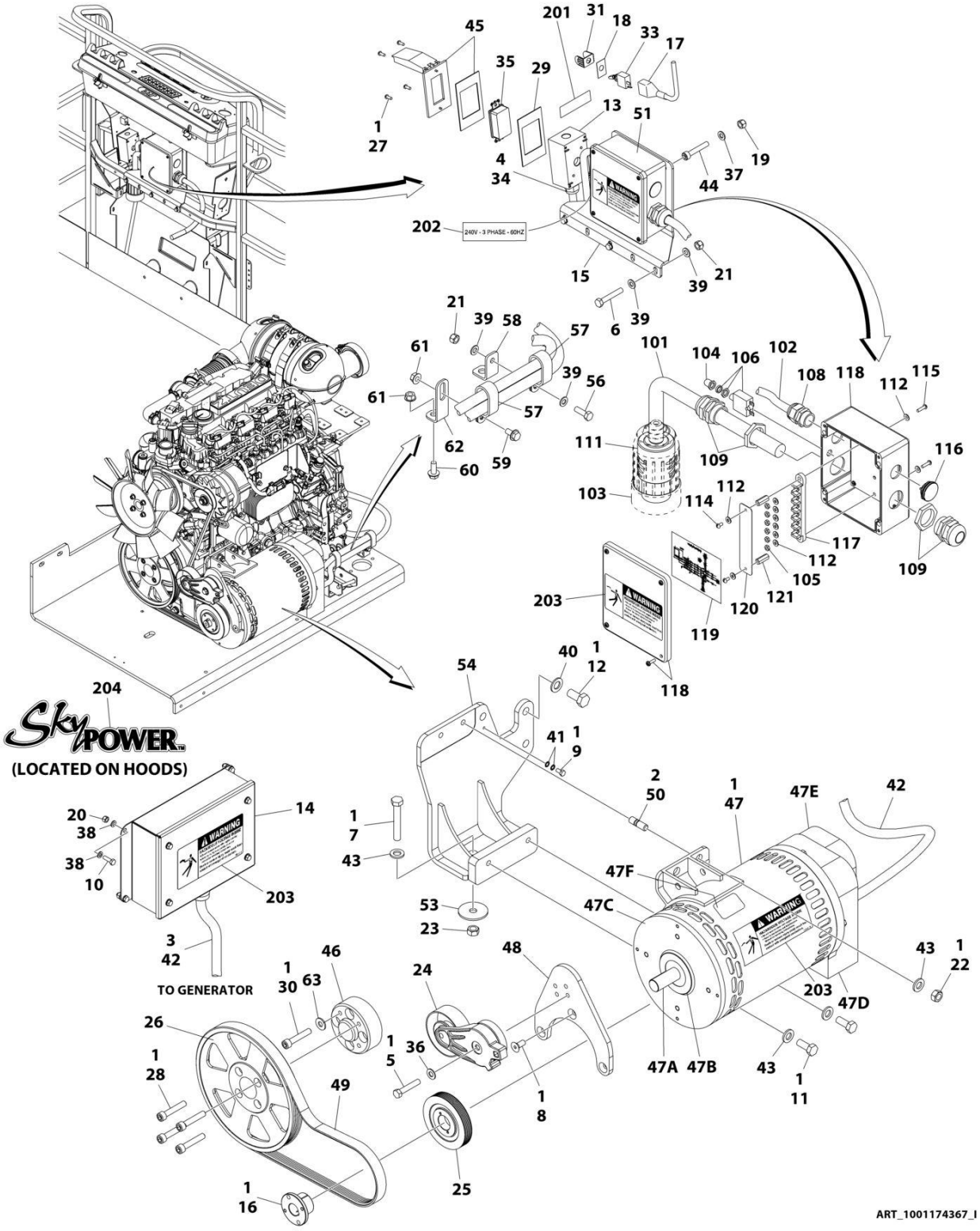


FIGURE 3-54. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174367	Ref	GENERATOR INSTALLATION - 7500W/60Hz (DEUTZ D2.9L4 ENGINE)	J
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant	
5	0641616	1	Bolt 3/8 x 2	
6	0700818	3	Bolt M8 x 50	
7	0711224	Ref	Bolt M12 x 80 Grade 10.9	
8	0741607	3	Screw 3/8 x 7/8	
9	0760606	1	Bolt M6 x 12	
10	0760610	4	Bolt M6 x 20	
11	0761212	2	Bolt M12 x 25	
12	0771414	Ref	Bolt M14 x 30 Grade 10.9	
13	0860038	1	Box, Switch	
14	0861538	1	Control Box Assembly	
14	7024488	1	Card, Circuit - Generator Power	
14	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
14	7024489	1	Card, Circuit - Control	
14	70000619	1	Harness, Control Box (Internal)	
15	0902888	1	Bracket	
16	0962520	1	Bushing	
17	2820031	AR	Heat Shrink	
18	3252764	1	Nameplate	
19	3290505	4	Nut M5	
20	3290605	4	Nut M6	
21	3290805	4	Nut M8	
22	3291201	2	Nut M12	
23	3331211	Ref	Nut M12	
24	3580317	1	Pulley	
25	3580318	1	Pulley	
26	3580320	1	Pulley	
27	3910606	4	Screw #6 x 3/8	
28	3931628	4	Capscrew 3/8 x 1-3/4	
29	3960422	1	Gasket	
30	4032014	4	Bolt M10 x 50	
31	4060802	1	Guard, Switch	
32	4240099	AR	Tie-Strap (Not Shown)	
33	4360336	1	Switch, Toggle	
34	4460071	1	Connector, Strain Relief	
35	4460346	1	Receptacle	
36	4711600	1	Washer 3/8	
37	4811600	4	Washer M5	
38	4811700	8	Washer M6	
39	4811900	8	Washer M8	
40	4812200	Ref	Washer M14	
41	4871700	2	Washer M6	
42	4922925	1	Harness, Generator	
42	4460225	1	Plug, Male 6 Position (Plugs into Generator)	
42	See Note	NSS	Socket, Female (Use with 4460225)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	See Note	NSS	Seal, Plug (Use with 4460225)	
42	See Note	NSS	Seal, Interface (Use with 4460225)	
43	5241200	5	Washer M12 Hardened	
44	1001104029	4	Screw M5 x 30	
45	1001110873	1	Shield, Cover	
46	1001135679	1	Adapter	
47	1001212223	1	Generator Assembly	
47	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
47	70001384	1	Bearing, Ball Radial (Not Shown)	
47	70000863	1	Fan (Not Shown)	
47	70006093	1	Stator (Not Shown)	
47	70002297	1	Stud	
47	70003631	1	Brushholder Assembly (Not Shown)	
47A	70004099	1	Key	
47B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
47B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
47B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
47C	70004092	1	Endbell, Belt Tensioner	
47D	70004094	1	Endbell, Brush Block	
47E	70006094	1	Shroud	
47E	70002291	1	Insulator, Endbell	
47E	7027799	1	Block, Connector 6 Position (Not Shown)	
47E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
47E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
47E	70006096	1	Guard, Breaker (Not Shown)	
47E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 36)	
47E	7026597	1	Connector, with Leads (Not Shown)	
47E	70004098	1	Clamp, Cable (Not Shown)	
47E	70006097	1	Plate, End Panel	
47E	70001974	1	Decal - Terminal Connections	
47F	70001973	1	Decal - Warning Moving Parts	
48	1001142643	1	Support	
49	1001142646	1	Belt	
50	1001196382	2	Stud	
51	1001157592	1	Junction Box Assembly Options (See Items 101-121 for Breakdown)	
53	1001168018	Ref	Washer, Snubbing	
54	1001168207	Ref	Support	
55	1001174675	1	Wiring Diagram (Not Shown)	
55	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
56	0760812	1	Bolt M8 x 25	
57	1321716	2	Clamp	
58	1001148641	1	Bracket	
59	5250808	1	Bolt M8 x 16	
60	5250810	1	Bolt M8 x 20	
61	5260800	2	Nut M8	
62	1001223122	1	Support	
63	4812000	4	Washer M10	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft/ 0.5m	Cable, Electrical 10/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	1001179154	2.5 ft/ 0.8m	Cable, Electrical 12/3	
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	10	Flatwasher #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D
	0273380	Ref	DECAL INSTALLATION	B
201	3251243	1	Decal - 120V - 60Hz	
202	1705375	1	Decal - 240V - 3 Phase - 60Hz	
203	1705387	3	Decal - Hazardous Voltage	
204	1705460	2	Decal - SkyPower	

FIGURE 3-55. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - KUBOTA ENGINES

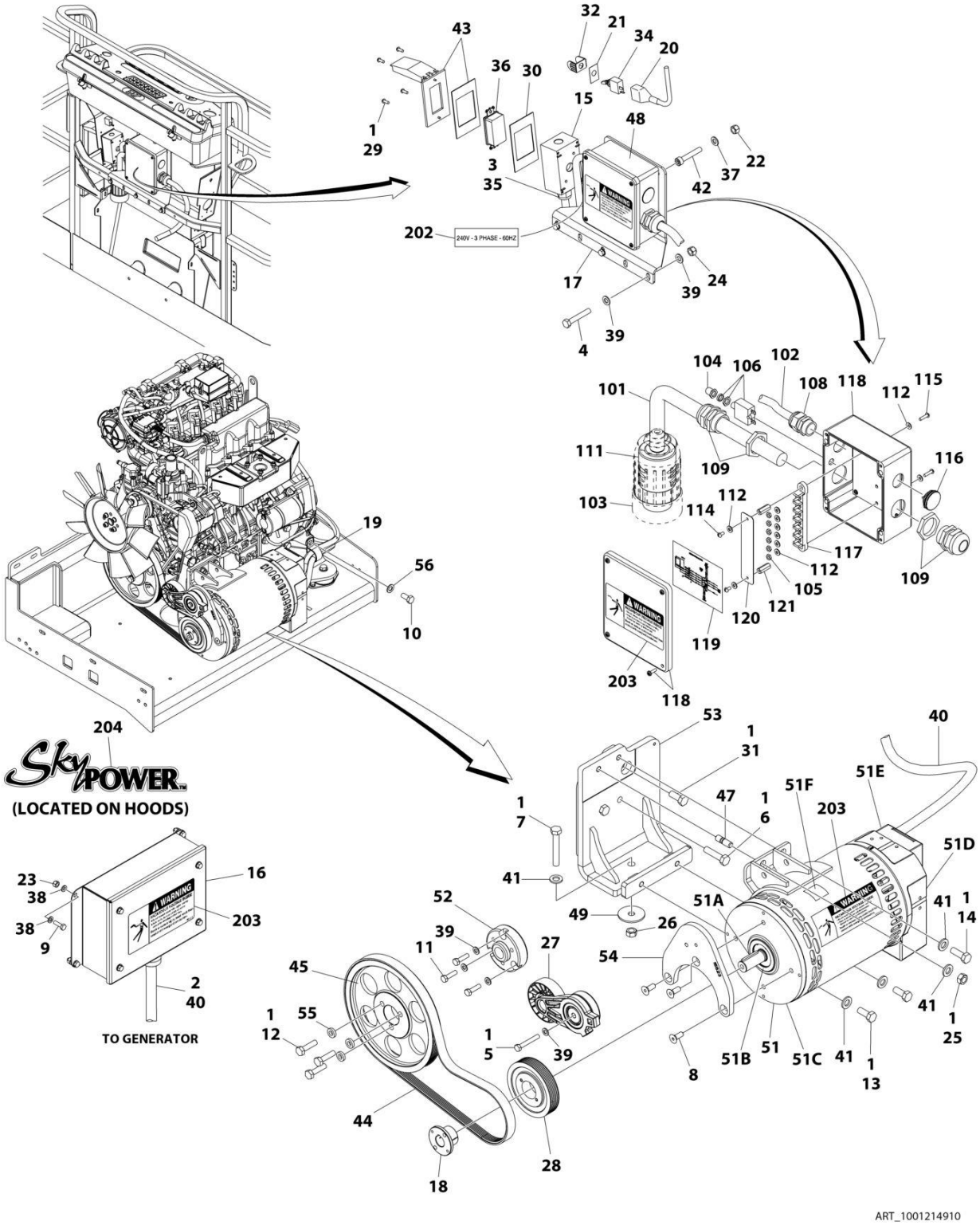


FIGURE 3-55. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - KUBOTA ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214910	Ref	GENERATOR INSTALLATION - 7500W/60HZ (KUBOTA ENGINE)	C
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0100079	AR	Sealant	
4	0700818	3	Bolt M8 x 50	
5	0700819	1	Bolt M8 x 55	
6	1001217344	2	Bolt M12 x 50	
7	0711224	AR	Bolt M12 x 80 Grade 10.9	
7	0701224	AR	Bolt M12 x 80	
8	0741608	3	Screw 3/8 x 1	
9	0760610	4	Bolt M6 x 20	
10	1001217345	1	Bolt M14 x 30	
11	0760814	3	Bolt M8 x 30	
12	0701016	3	Bolt M10 x 40	
13	0761214	2	Bolt M12 x 30	
14	0761215	1	Bolt M12 x 35	
15	0860038	1	Box, Switch	
16	0861538	1	Control Box Assembly	
16	7024488	1	Card, Circuit - Generator Power	
16	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
16	7024489	1	Card, Circuit - Control	
16	70000619	1	Harness, Control Box (Internal)	
17	0902888	1	Bracket	
18	0962520	1	Bushing	
19	84521062	1	Clamp	
20	2820031	AR	Heat Shrink	
21	3252764	1	Nameplate	
22	3290505	4	Nut M5	
23	3290605	4	Nut M6	
24	3290805	3	Nut M8	
25	3291201	AR	Nut M12	
26	3331211	AR	Nut M12	
27	3580317	1	Pulley	
28	3580318	1	Pulley	
29	3910606	4	Screw #6 x 3/8	
30	3960422	1	Gasket	
31	1001217342	1	Bolt M12 x 30	
32	4060802	1	Guard, Switch	
33	4240099	AR	Tie-Strap (Not Shown)	
34	4360336	1	Switch, Toggle	
35	4460071	1	Connector, Strain Relief	
36	4460346	1	Receptacle	
37	4811600	4	Washer M5	
38	4811700	8	Washer M6	
39	4811900	10	Washer M8	
40	4922925	1	Harness, Generator	
40	4460225	1	Plug, Male - 6 Position (Plugs into Generator)	
40	See Note	NSS	Socket, Female (Use with 4460225)	
40	See Note	NSS	Seal, Plug (Use with 4460225)	
40	See Note	NSS	Seal, Interface (Use with 4460225)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	5241200	5	Washer M12 Hardened	
42	1001104029	4	Screw M5 x 30	
43	1001110873	1	Shield, Cover	
44	0480129	1	Belt	
45	1001147233	1	Pulley	
47	1001155041	1	Stud	
48	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
49	1001168018	1	Washer, Snubbing	
50	1001174675	1	Wiring Diagram (Not Shown)	
50	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
51	1001212223	1	Generator Assembly	
51	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
51	70001384	1	Bearing, Ball Radial (Not Shown)	
51	70000863	1	Fan (Not Shown)	
51	70006093	1	Stator (Not Shown)	
51	70002297	1	Stud	
51	70003631	1	Brushholder Assembly (Not Shown)	
51A	70004099	1	Key	
51B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
51B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
51B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
51C	70004092	1	Endbell, Belt Tensioner	
51D	70004094	1	Endbell, Brush Block	
51E	70006094	1	Shroud	
51E	70002291	1	Insulator, Endbell	
51E	7027799	1	Block, Connector 6 Position (Not Shown)	
51E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
51E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
51E	70006096	1	Guard, Breaker (Not Shown)	
51E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 36)	
51E	70004098	1	Clamp, Cable (Not Shown)	
51E	70006097	1	Plate, End Panel	
51E	70001974	1	Decal - Terminal Connections	
51F	70001973	1	Decal - Warning Moving Parts	
52	1001213029	1	Adapter, Pulley	
53	1001214546	1	Support	
54	1001215523	1	Support	
55	1001216805	3	Spacer	
56	4812200	1	Washer M14	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft/ 0.5m	Cable, Electrical 10/4	
102	1001179154	2.5 ft/ 0.8m	Cable, Electrical 12/3	
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
112	4711000	10	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D
	0273380	Ref	DECAL INSTALLATION	B
201	3251243	1	Decal - 120V - 60Hz	
202	1705375	1	Decal - 240V-3 Phase-60Hz	
203	1705387	3	Decal - Hazardous Voltage	
204	1705460	2	Decal - SkyPower	

FIGURE 3-56. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION (DEUTZ D2.9L4 (STAGE V) ENGINES)

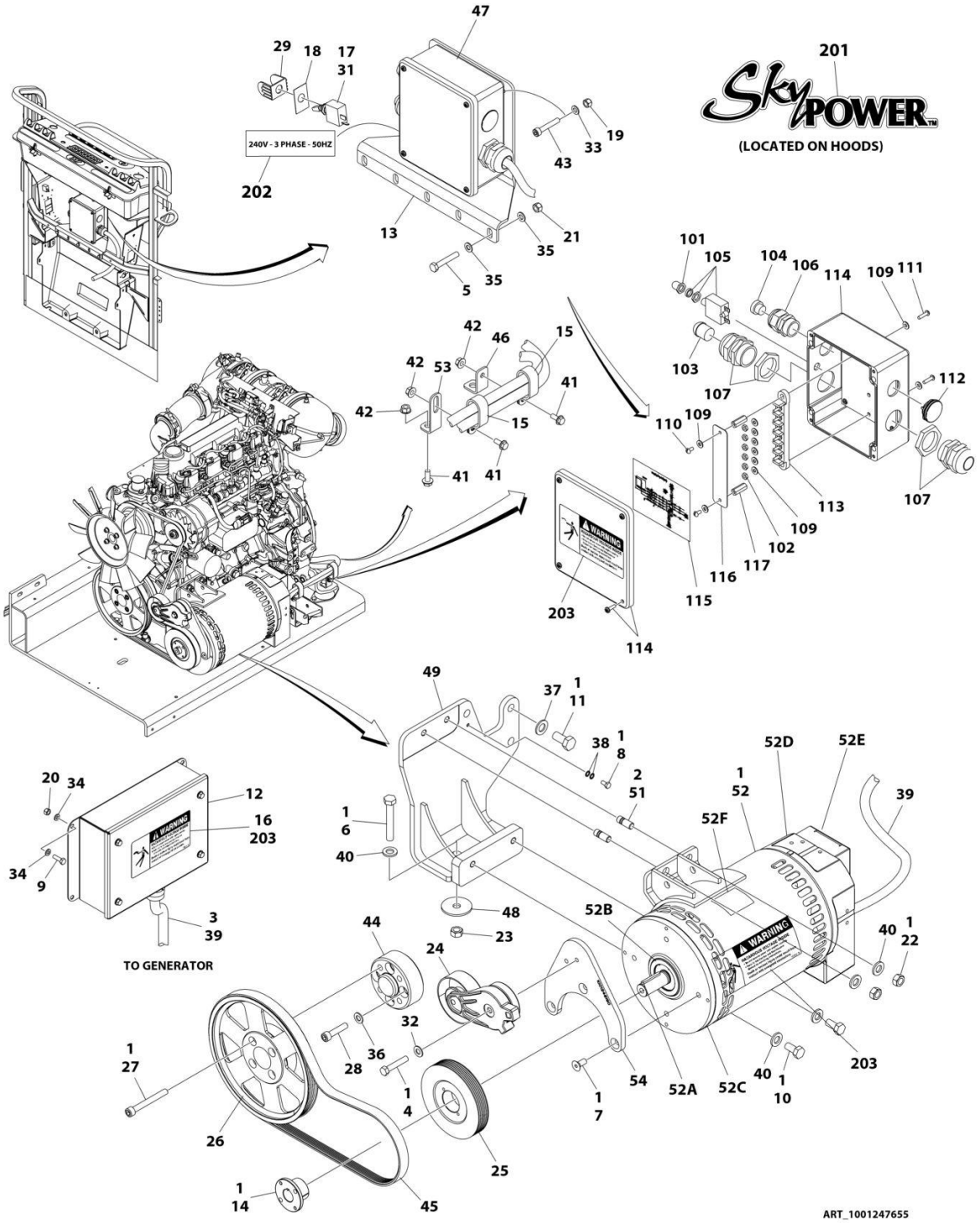


FIGURE 3-56. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION (DEUTZ D2.9L4 (STAGE V) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247655	Ref	GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2.9L4 (STAGE V) ENGINE)	D
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641616	1	Bolt 3/8 x 2	
5	0700818	3	Bolt M8 x 50	
6	0711224	1	Bolt M12 x 80	
7	0741607	3	Screw 3/8 x 7/8	
8	0760606	1	Bolt M6 x 12	
9	0760610	4	Bolt M6 x 20	
10	0761212	2	Bolt M12 x 25	
11	0771414	3	Bolt M14 x 30	
12	0861572	1	Control Box Assembly	
13	0902888	1	Bracket	
14	0962520	1	Bushing	
15	1321716	2	Clamp	
16	1705489	1	Decal - Hazardous Voltage	
17	2820031	0.33 ft /0.10m	Heat Shrink	
18	3252764	1	Nameplate	
19	3290505	4	Nut M5	
20	3290605	4	Nut M6	
21	3290805	3	Nut M8	
22	3291201	2	Nut M12	
23	3331211	1	Nut M12	
24	3580317	1	Pulley	
25	3580319	1	Pulley	
26	1001260432	1	Pulley	
27	1001261085	4	Capscrew M10 x 85	
28	1001261045	4	Capscrew M10 x 45	
29	4060802	1	Guard, Switch	
30	4240099	AR	Tie-Strap (Not Shown)	
31	4360336	1	Switch, Toggle	
32	4711600	1	Washer 3/8	
33	4811600	4	Washer M5	
34	4811700	8	Washer M6	
35	4811900	6	Washer M8	
36	4812000	4	Washer M10	
37	4812200	3	Washer M14	
38	4871700	2	Washer M6	
39	4922925	1	Harness, Generator	
40	5241200	5	Washer M12 Hardened	
41	5250810	3	Bolt M8 x 20	
42	5260800	3	Nut M8	
43	1001104029	4	Screw M5 x 30	
44	1001258800	1	Adapter	
45	1001148059	1	Belt, Generator	
46	1001148641	1	Bracket	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
48	1001168018	1	Washer, Snubbing	
49	1001168207	1	Support	
50	1001174675	1	Wiring Diagram (Not Shown)	
51	1001196382	2	Stud	
52	1001212223	1	Generator Assembly	
52	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
52	70001384	1	Bearing, Ball Radial (Not Shown)	
52	70000863	1	Fan (Not Shown)	
52	70006093	1	Stator (Not Shown)	
52	70003631	1	Brushholder Assembly (Not Shown)	
52A	70004099	1	Key	
52B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
52B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
52B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
52C	70004092	1	Endbell, Belt Tensioner	
52D	70004094	1	Endbell, Brush Block	
52E	70006094	1	Shroud	
52E	70002291	1	Insulator, Endbell	
52E	7027799	1	Block, Connector 6 Position (Not Shown)	
52E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
52E	70006095	1	Breaker, Circuit 30Amp	
52E	70006096	1	Boot, Breaker	
52E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown)	
52E	70006097	1	Plate, End Panel	
52E	70004098	1	Clamp, Cable	
52E	70001974	1	Decal - Terminal Connections	
52F	70001973	1	Decal - Warning Moving Parts	
53	1001223122	1	Support	
54	1001248190	1	Support	
	1001157525	Ref	JUNCTION BOX ASSEMBLY	B
101	3300396	1	Cover, Fuse	
102	3311001	6	Nut #10	
103	3520189	1	Plug	
104	3520192	1	Plug	
105	4360070	1	Circuit Breaker - 15Amp	
106	4460425	1	Connector, Strain Relief	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug	
113	1001157520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	1	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase - 50Hz	
203	1705489	1	Decal - Hazardous Voltage	

SECTION 4 - BOOM

FIGURE 4-1. BOOM INSTALLATION - 400S HC3

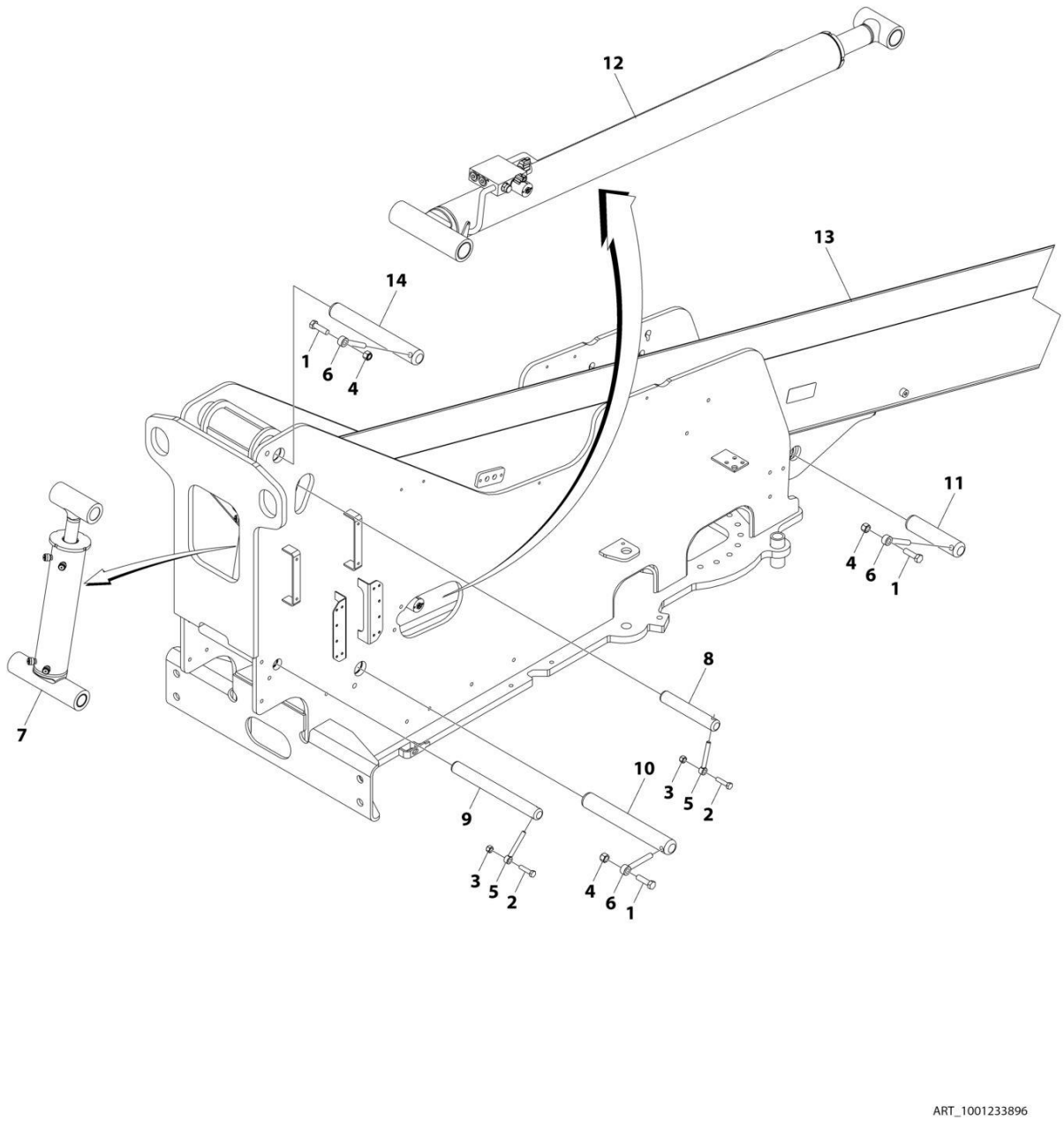


FIGURE 4-1. BOOM INSTALLATION - 400S HC3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233896	Ref	BOOM INSTALLATION - 400S HC3	C
1	0701619	3	Bolt M16 x 55	
2	0761218	2	Bolt M12 x 50	
3	3291205	2	Nut M12	
4	3291605	3	Nut M16	
5	3841203	2	Keeper, Pin	
6	3841258	3	Keeper, Pin	
7	1001163385	1	Master Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
8	1001168843	1	Pin	
9	1001168844	1	Pin	
10	1001168845	1	Pin	
11	1001168854	1	Pin	
12	1001228092	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
13	1001233893	1	Main Boom Assembly (See Separate Breakdown in this Section)	
14	1001237143	1	Pin	

FIGURE 4-2. BOOM INSTALLATION - 460SJ HC3 (USA BUILT MACHINES)

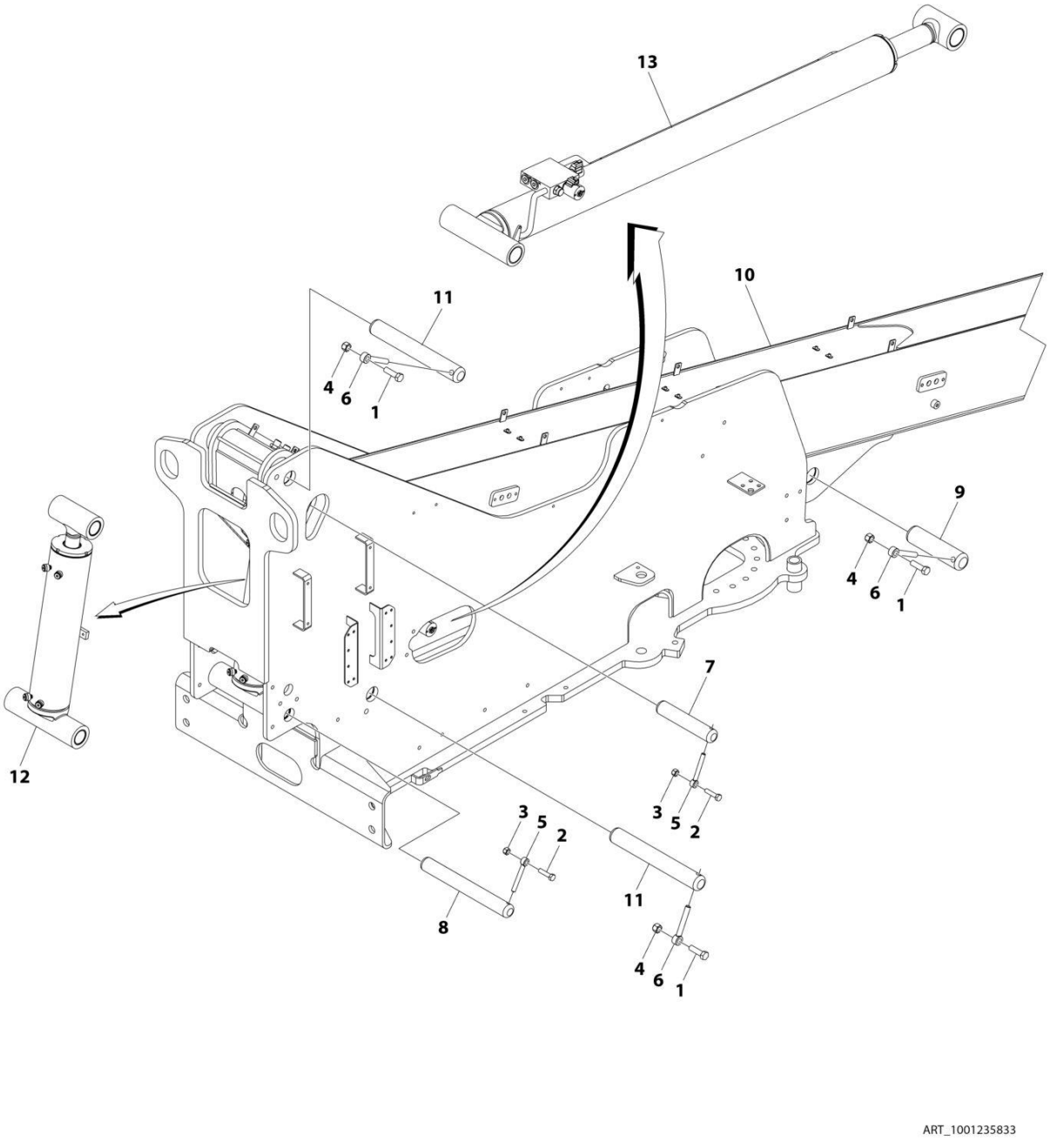


FIGURE 4-2. BOOM INSTALLATION - 460SJ HC3 (USA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235833	Ref	BOOM AND CYLINDERS INSTALLATION	C
1	0701619	3	Bolt M16 x 55	
2	0761218	2	Bolt M12 x 50	
3	3291205	2	Nut M12	
4	3291605	3	Nut M16	
5	3841203	2	Keeper, Pin	
6	3841258	3	Keeper, Pin	
7	1001237138	1	Pin	
8	1001237139	1	Pin	
9	1001248396	1	Pin	
10	1001235832	1	Main Boom Assembly (See Separate Breakdown in this Section)	
11	1001237143	2	Pin	
12	1001237698	1	Master Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
13	1001237699	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	

FIGURE 4-3. BOOM INSTALLATION - 460SJ HC3 (ROMANIAN BUILT MACHINES)

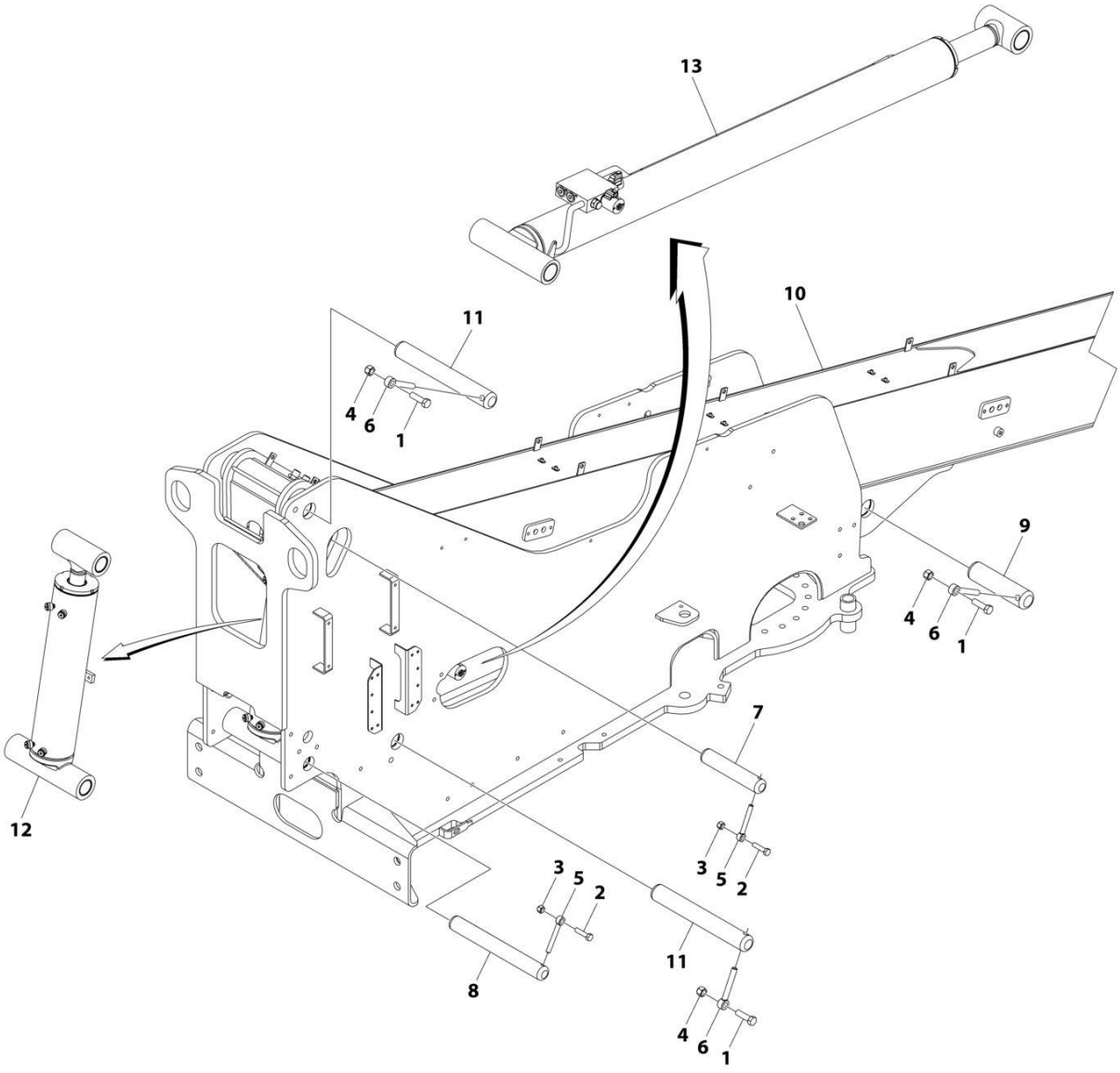


FIGURE 4-3. BOOM INSTALLATION - 460SJ HC3 (ROMANIAN BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242987	Ref	BOOM AND CYLINDERS INSTALLATION	C
1	0701619	3	Bolt M16 x 55	
2	0761218	2	Bolt M12 x 50	
3	3291205	2	Nut M12	
4	3291605	3	Nut M16	
5	3841203	2	Keeper, Pin	
6	3841258	3	Keeper, Pin	
7	1001237138	1	Pin	
8	1001237139	1	Pin	
9	1001248396	1	Pin	
10	1001242918	1	Main Boom Assembly (See Separate Breakdown in this Section)	
11	1001237143	2	Pin	
12	1001237698	1	Master Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
13	1001237699	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	

FIGURE 4-4. BOOM ASSEMBLY - MAIN (400S HC3)

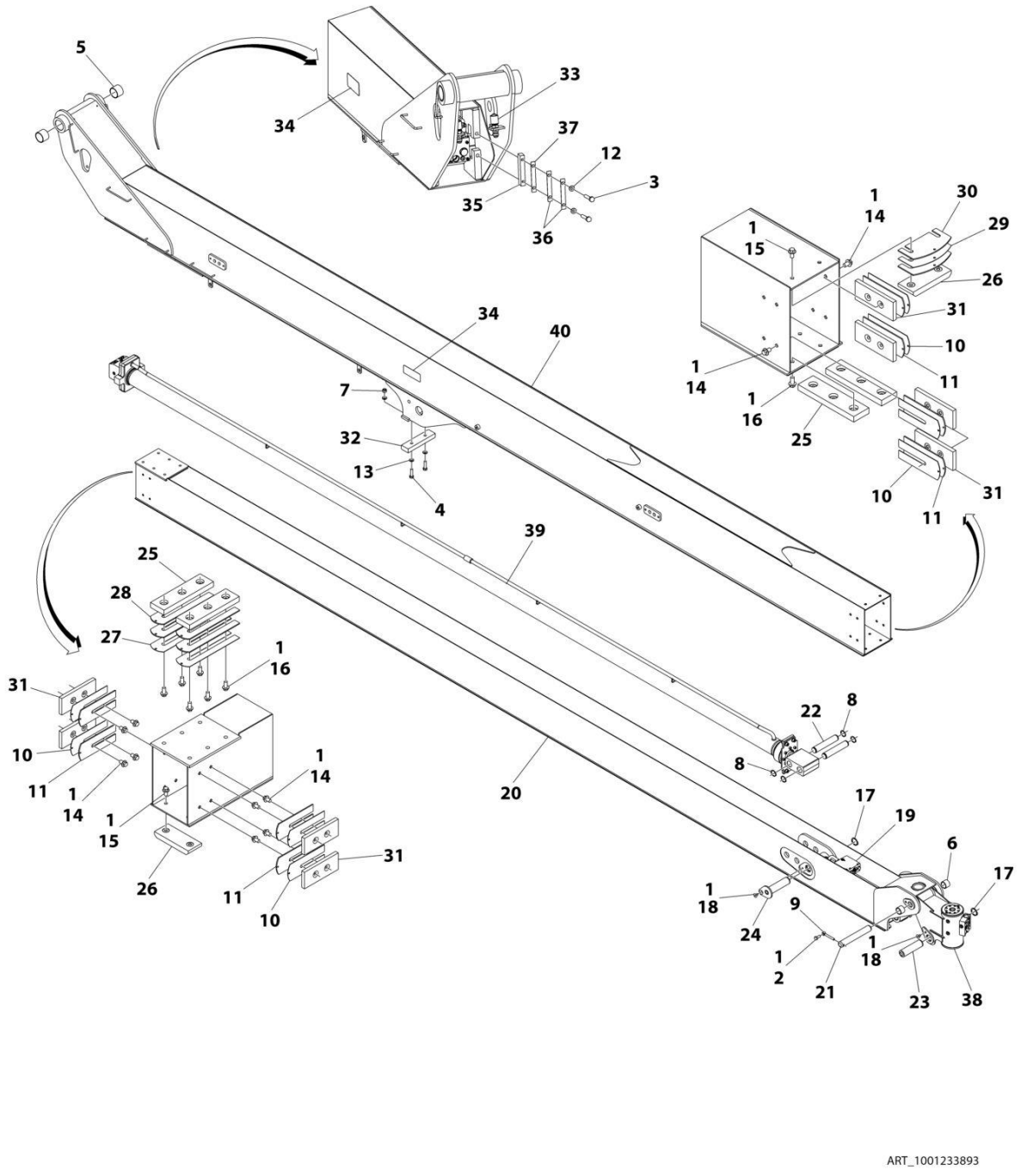


FIGURE 4-4. BOOM ASSEMBLY - MAIN (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233893	Ref	MAIN BOOM ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0761012	1	Bolt M10 x 25	
3	0761019	4	Bolt M10 x 55	
4	0761217	2	Bolt M12 x 45	
5	0961950	2	Bearing	
6	0961951	2	Bushing	
7	3291205	2	Nut M12	
8	3760133	4	Ring	
9	3841143	1	Keeper, Pin	
10	4070897	AR	Shim 18 Ga	
11	4070898	AR	Shim 11 Ga	
12	4812000	4	Washer M10	
13	4812100	4	Washer M12	
14	5251008	16	Bolt M10 x 16	
15	5251009	4	Bolt M10 x 18	
16	5251011	12	Bolt M10 x 22	
17	1001099560	2	Ring, Retaining	
18	1001137032	2	Screw M10 x 16	
19	1001163386	1	Level (Platform Slave) Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
20	1001163459	1	Fly, Boom	
21	1001168841	1	Pin	
22	1001168842	2	Pin	
23	1001168848	1	Pin	
24	1001168849	1	Pin	
25	1001169284	4	Pad	
26	1001169285	2	Pad	
27	1001169286	AR	Shim	
28	1001169287	AR	Shim	
29	1001169288	AR	Shim	
30	1001169289	AR	Shim	
31	1001169380	8	Pad	
32	1001171067	1	Pad	
33	1001171112	2	Hose	
34	1001171324	3	Cover	
35	1001171667	2	Bar	
36	1001171966	AR	Shim 20Ga	
37	1001171967	AR	Shim 16Ga	
38	1001221927	1	Platform Rotator Assembly (See Separate Breakdown in this Section)	
39	1001251075	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
40	1001233774	1	Boom	

FIGURE 4-5. BOOM ASSEMBLY - MAIN (460SJ HC3) (USA BUILT MACHINES)

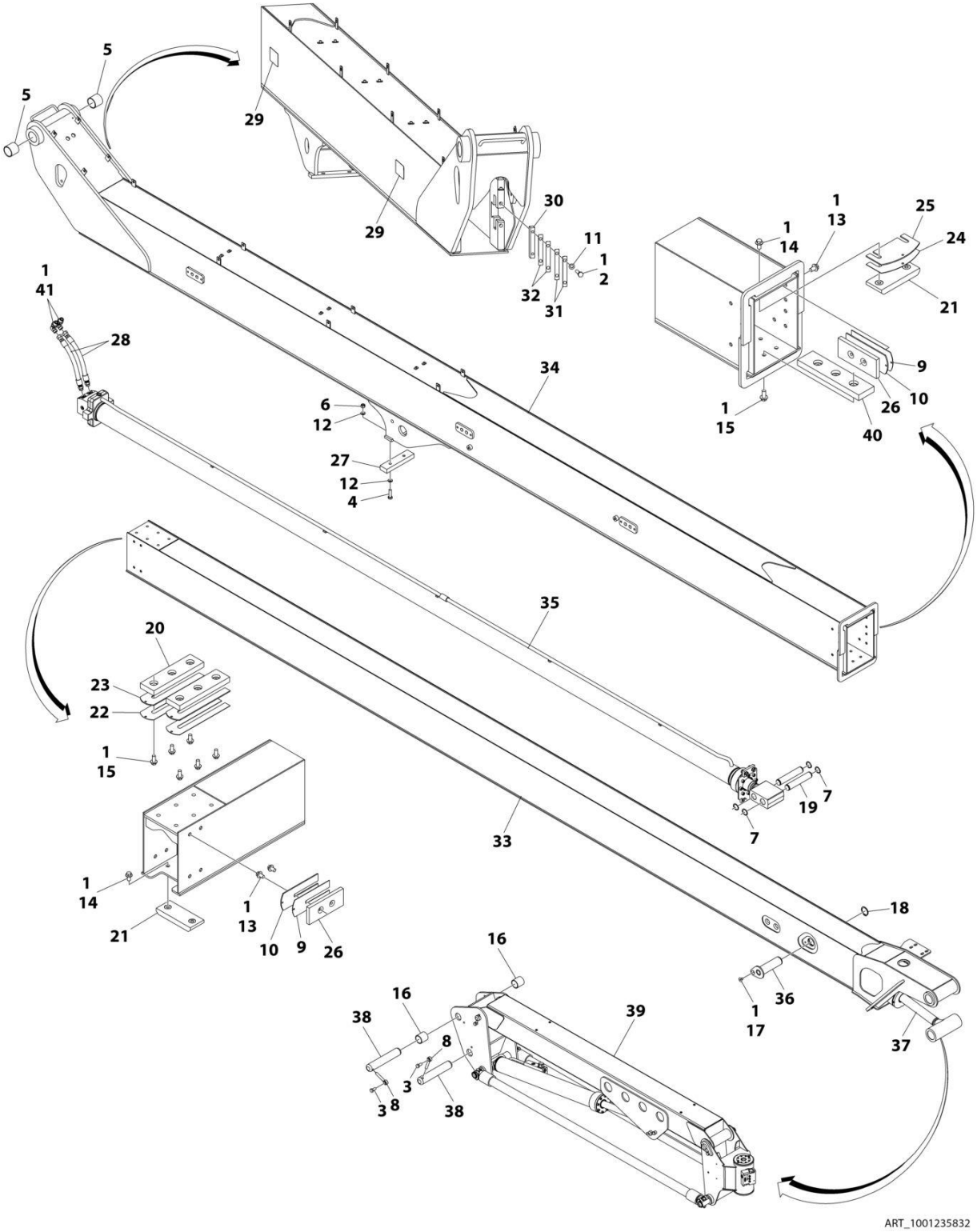


FIGURE 4-5. BOOM ASSEMBLY - MAIN (460SJ HC3) (USA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235832	Ref	MAIN BOOM ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0761019	4	Bolt M10 x 55	
3	0761212	2	Bolt M12 x 25	
4	0761217	2	Bolt M12 x 45	
5	0962036	2	Bush	
6	3291205	2	Nut M12	
7	3760133	4	Ring	
8	3841203	2	Keeper, Pin	
9	4070897	AR	Shim 18 Ga	
10	4070898	AR	Shim 11 Ga	
11	4812000	4	Washer M10	
12	4812100	4	Washer M12	
13	5251008	16	Bolt M10 x 16	
14	5251009	4	Bolt M10 x 18	
15	5251011	12	Bolt M10 x 22	
16	1001118666	2	Bearing	
17	1001137032	1	Screw M10 x 16	
18	1001138671	1	Ring	
19	1001168842	2	Pin	
20	1001169284	2	Pad	
21	1001169285	2	Pad	
22	1001169286	AR	Shim	
23	1001169287	AR	Shim	
24	1001169288	AR	Shim	
25	1001169289	AR	Shim	
26	1001169380	8	Pad	
27	1001171067	1	Pad	
28	1001250451	2	Hose	
29	1001171324	3	Cover	
30	1001171667	2	Bar	
31	1001171966	AR	Shim 20Ga	
32	1001171967	AR	Shim 16Ga	
33	1001235830	1	Boom, Fly Weldment	
34	1001235831	1	Boom, Base Weldment	
35	1001236653	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
36	1001237142	1	Pin	
37	1001237697	1	Level Cylinder Assembly - Platform Slave (460SJ HC3) (See Separate Breakdown in CYLINDER SECTION)	
38	1001237949	2	Pin	
39	1001238328	1	Jib Boom Assembly (See Separate Breakdown in this Section)	
40	1001242864	2	Pad	
41	2171208	2	Fitting, 90 ORFS/ORF	

FIGURE 4-6. MAIN BOOM ASSEMBLY - 460SJ HC3 (ROMANIAN BUILT MACHINES)

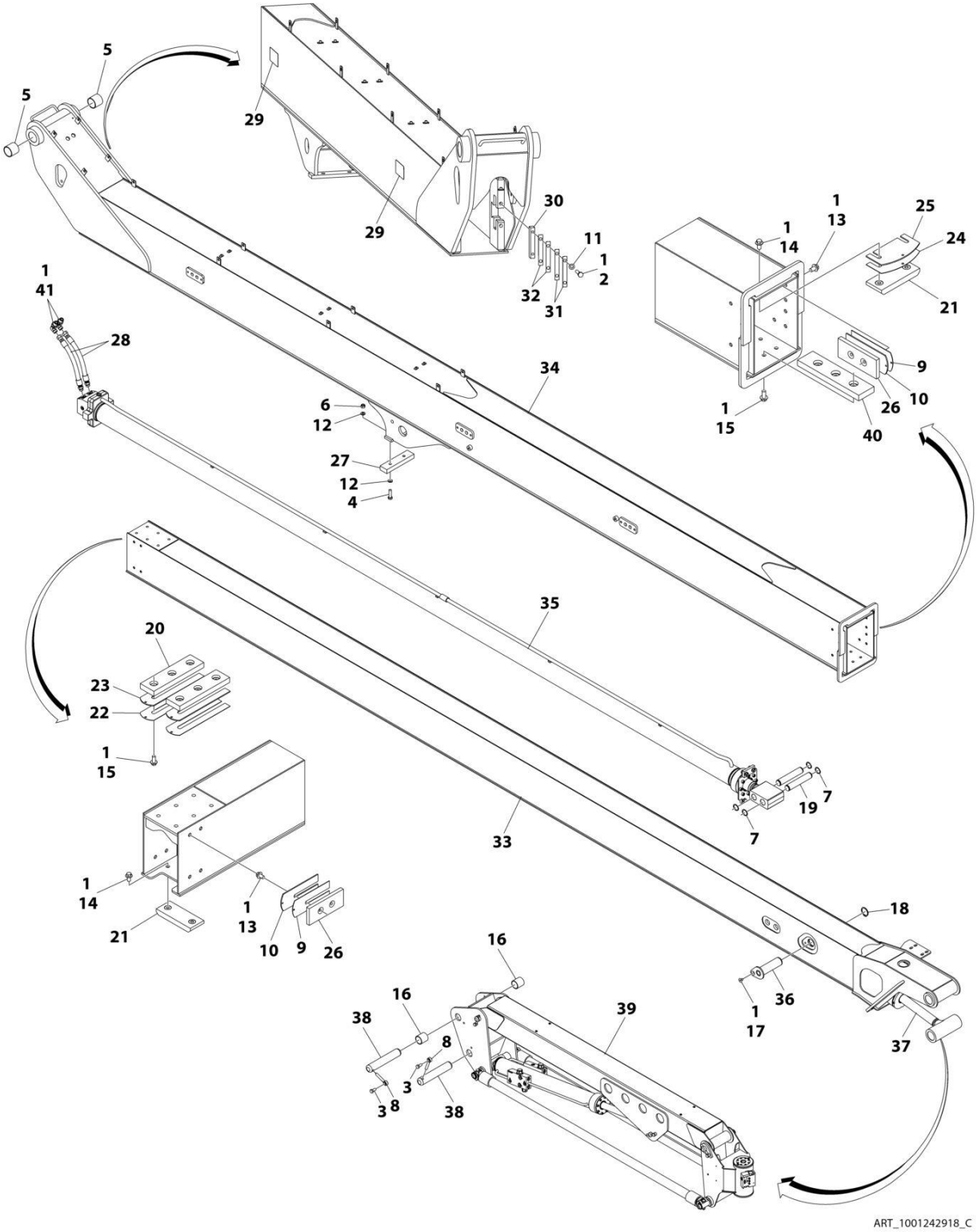


FIGURE 4-6. MAIN BOOM ASSEMBLY - 460SJ HC3 (ROMANIAN BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242918	Ref	MAIN BOOM ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0761019	4	Bolt M10 x 55	
3	0761212	2	Bolt M12 x 25	
4	0761217	2	Bolt M12 x 45	
5	0962036	2	Bush	
6	3291205	2	Nut M12	
7	3760133	4	Ring	
8	3841203	2	Rod	
9	4070897	AR	Shim 18 Ga	
10	4070898	AR	Shim 11 Ga	
11	4812000	4	Washer M10	
12	4812100	4	Washer M12	
13	5251008	16	Bolt M10 x 16	
14	5251009	4	Bolt M10 x 18	
15	5251011	12	Bolt M10 x 22	
16	1001118666	2	Bearing	
17	1001137032	1	Screw M10 x 16	
18	1001138671	1	Ring	
19	1001168842	2	Pin	
20	1001169284	2	Pad	
21	1001169285	2	Pad	
22	1001169286	AR	Shim	
23	1001169287	AR	Shim	
24	1001169288	AR	Shim	
25	1001169289	AR	Shim	
26	1001169380	8	Pad	
27	1001171067	1	Pad	
28	1001250451	2	Hose	
29	1001171324	3	Cover	
30	1001171667	2	Bar	
31	1001171966	AR	Shim 20Ga	
32	1001171967	AR	Shim 16Ga	
33	1001235830	1	Boom, Fly Weldment	
34	1001235831	1	Boom, Base Weldment	
35	1001236653	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
36	1001237142	1	Pin	
37	1001237697	1	Level Cylinder Assembly - Platform Slave (460SJ HC3) (See Separate Breakdown in CYLINDER SECTION)	
38	1001237949	2	Pin	
39	1001238329	1	Jib Boom Assembly (See Separate Breakdown in this Section)	
40	1001242864	2	Pad	
41	2171208	2	Fitting, 90 ORFS/ORF	

FIGURE 4-7. JIB BOOM ASSEMBLY - 460SJ HC3 (USA BUILT MACHINES) (Prior to SN 0300271833)

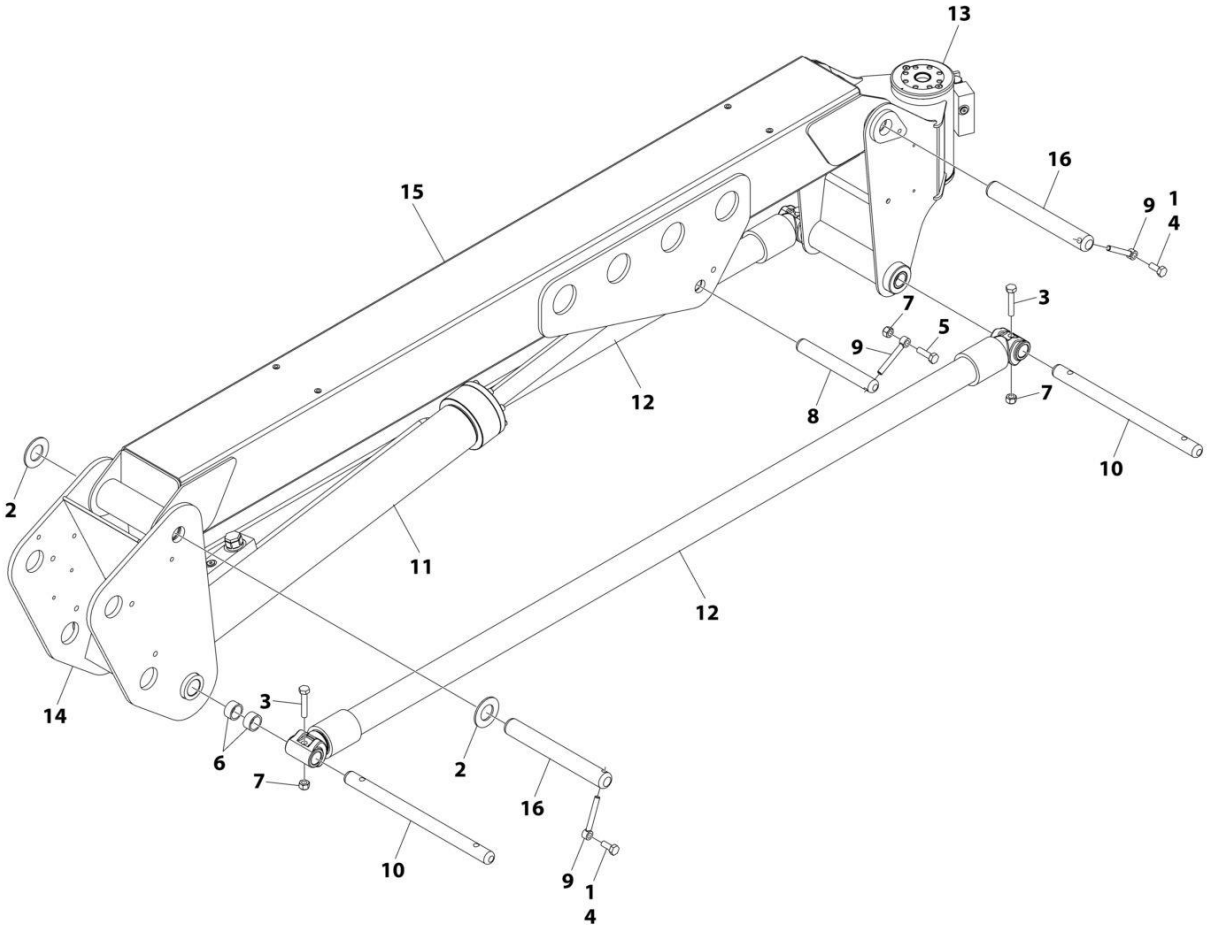


FIGURE 4-7. JIB BOOM ASSEMBLY - 460SJ HC3 (USA BUILT MACHINES) (Prior to SN 0300271833)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238328	Ref	JIB BOOM ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0440162	2	Bearing	
3	0701019	4	Bolt M10 x 55	
4	0761012	2	Bolt M10 x 25	
5	0761015	1	Bolt M10 x 35	
6	0961947	4	Bearing	
7	3291005	5	Nut M10	
8	3422867	1	Pin	
9	3841143	3	Keeper, Pin	
10	1001182064	2	Pin	
11	1001228013	1	Lift Cylinder Assembly - Jib (See Separate Breakdown in CYLINDER SECTION)	
12	1001234808	2	Link	
13	1001234811	1	Rotator Assembly (See Separate Breakdown in this Section)	
14	1001238168	1	Pivot	
15	1001238333	1	Tube (Upper)	
15	0962155	1	Bushing	
16	1001238398	2	Pin	

FIGURE 4-8. JIB BOOM ASSEMBLY - 460SJ HC3 (USA BUILT MACHINES) (SN 0300278833 to Present)

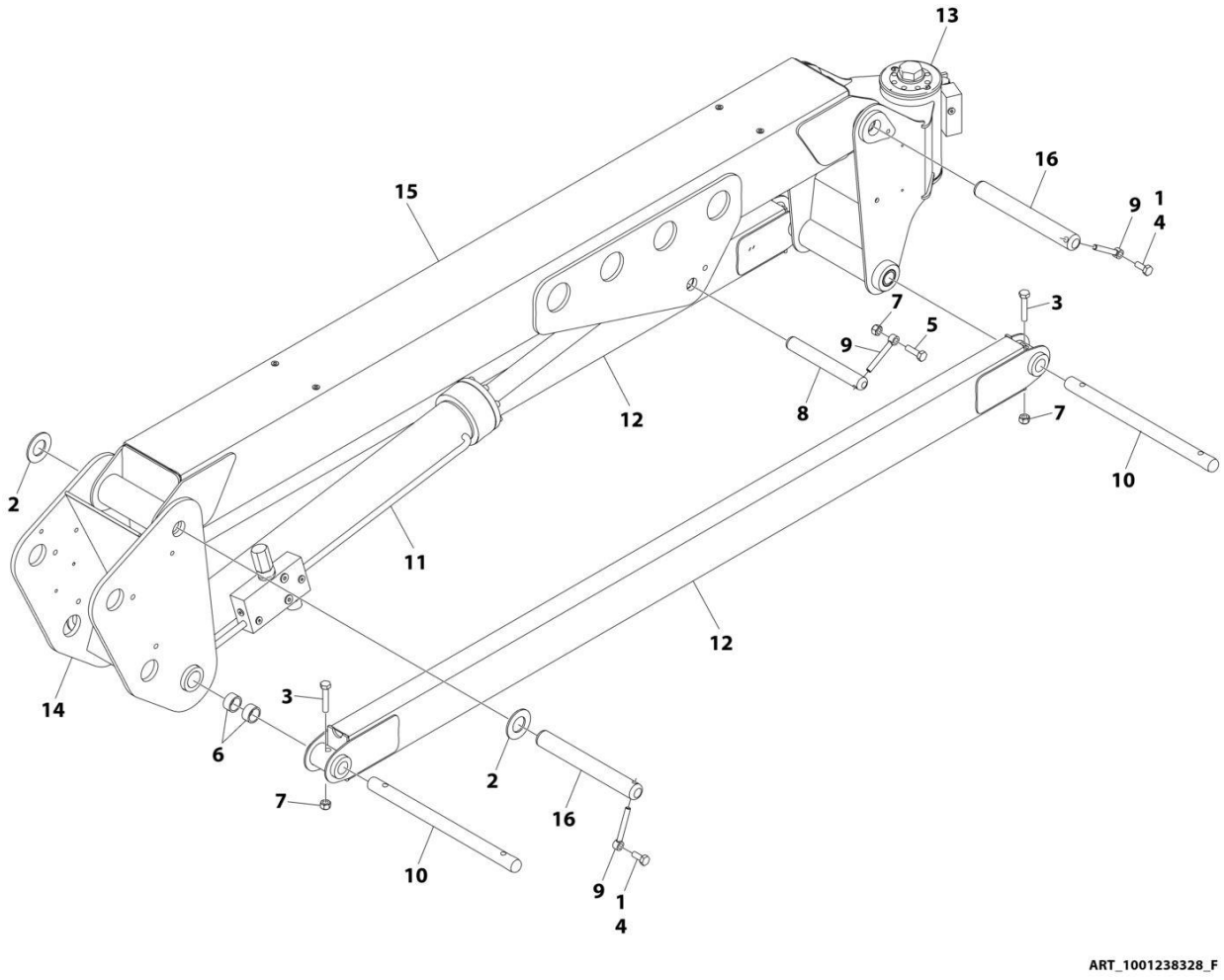


FIGURE 4-8. JIB BOOM ASSEMBLY - 460SJ HC3 (USA BUILT MACHINES) (SN 0300278833 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238328	Ref	JIB BOOM ASSEMBLY	F
1	0100011	AR	Compound, Locking	
2	0440162	2	Thrustwasher 0.188IN Thick	
2	0440237	1	Thrustwasher 0.125IN Thick	
3	0701020	1	Bolt M10 x 60	
4	0761012	2	Bolt M10 x 25	
5	0761015	1	Bolt M10 x 35	
6	0961947	4	Bearing 1IN ID x 1.25IN OD x 5/8IN L	
6	1001134289	4	Bearing 1IN ID x 1.5IN OD x 1IN L	
7	3291005	5	Nut M10	
8	3422867	1	Pin	
9	3841143	3	Keeper, Pin	
10	3422861	1	Pin	
11	1001264991	1	Lift Cylinder Assembly - Jib (See Separate Breakdown in CYLINDER SECTION)	
12	4844817	1	Link	
13	1001234811	1	Rotator Assembly (See Separate Breakdown in this Section)	
14	1001238168	1	Pivot	
15	1001238333	1	Tube (Upper)	
15	0962155	1	Bushing	
16	1001238398	2	Pin	

FIGURE 4-9. JIB BOOM ASSEMBLY - 460SJ HC3 (ROMANIAN BUILT MACHINES) (Prior to SN E300008018)

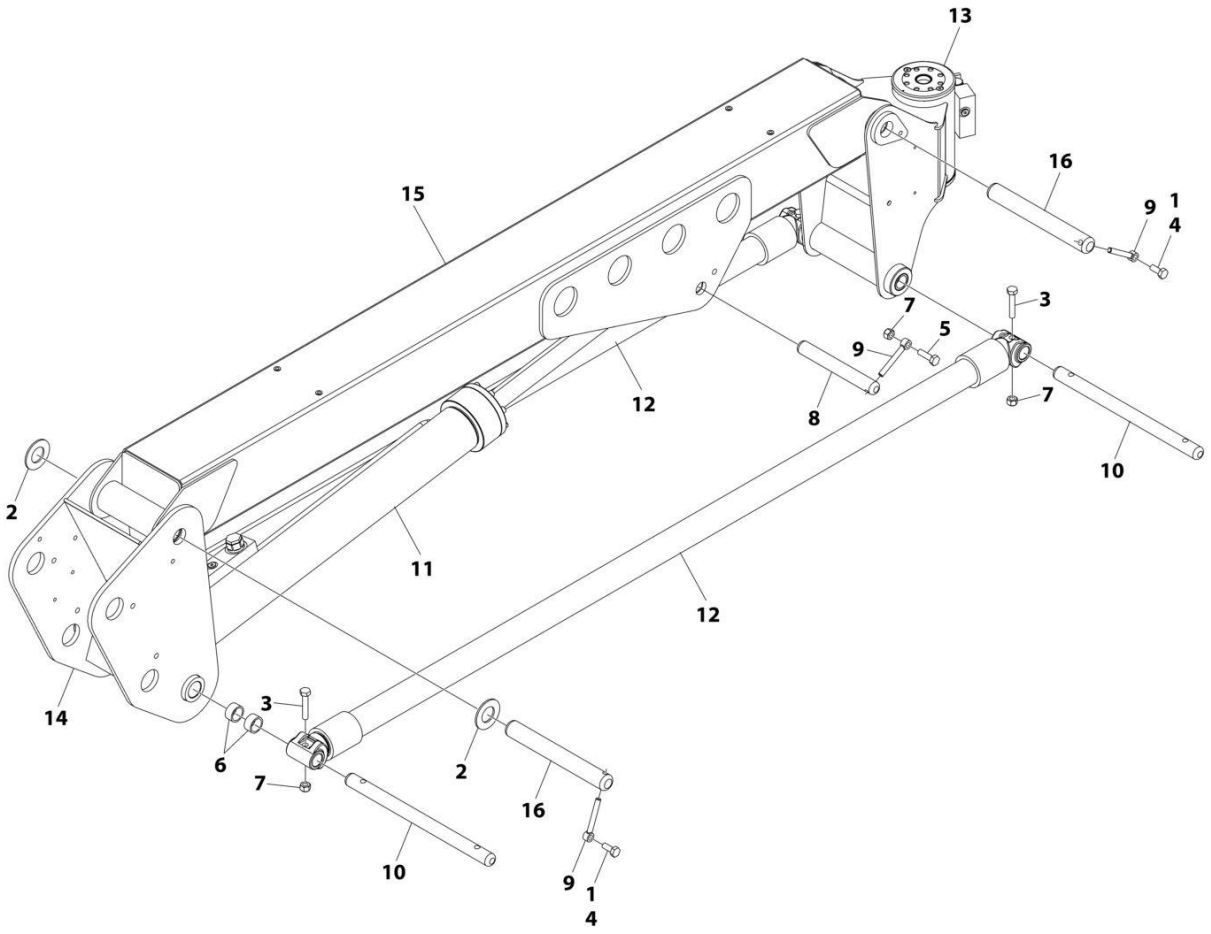


FIGURE 4-9. JIB BOOM ASSEMBLY - 460SJ HC3 (ROMANIAN BUILT MACHINES) (Prior to SN E300008018)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238329	Ref	JIB BOOM ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0440162	2	Bearing	
3	0701019	4	Bolt M10 x 55	
4	0761012	2	Bolt M10 x 25	
5	0761015	1	Bolt M10 x 35	
6	0961947	4	Bearing	
7	3291005	5	Nut M10	
8	3422867	1	Pin	
9	3841143	3	Keeper, Pin	
10	1001182064	2	Pin	
11	1001228013	1	Lift Cylinder Assembly - Jib (See Separate Breakdown in CYLINDER SECTION)	
12	1001234808	2	Link	
13	1001234811	1	Actuator (See Separate Breakdown in this Section)	
14	1001238168	1	Pivot	
15	1001238334	1	Tube (Upper)	
15	0962155	1	Bushing	
16	1001238398	2	Pin	

FIGURE 4-10. JIB BOOM ASSEMBLY - 460SJ HC3 (ROMANIAN BUILT MACHINES) (SN E300008018 through E300008842)

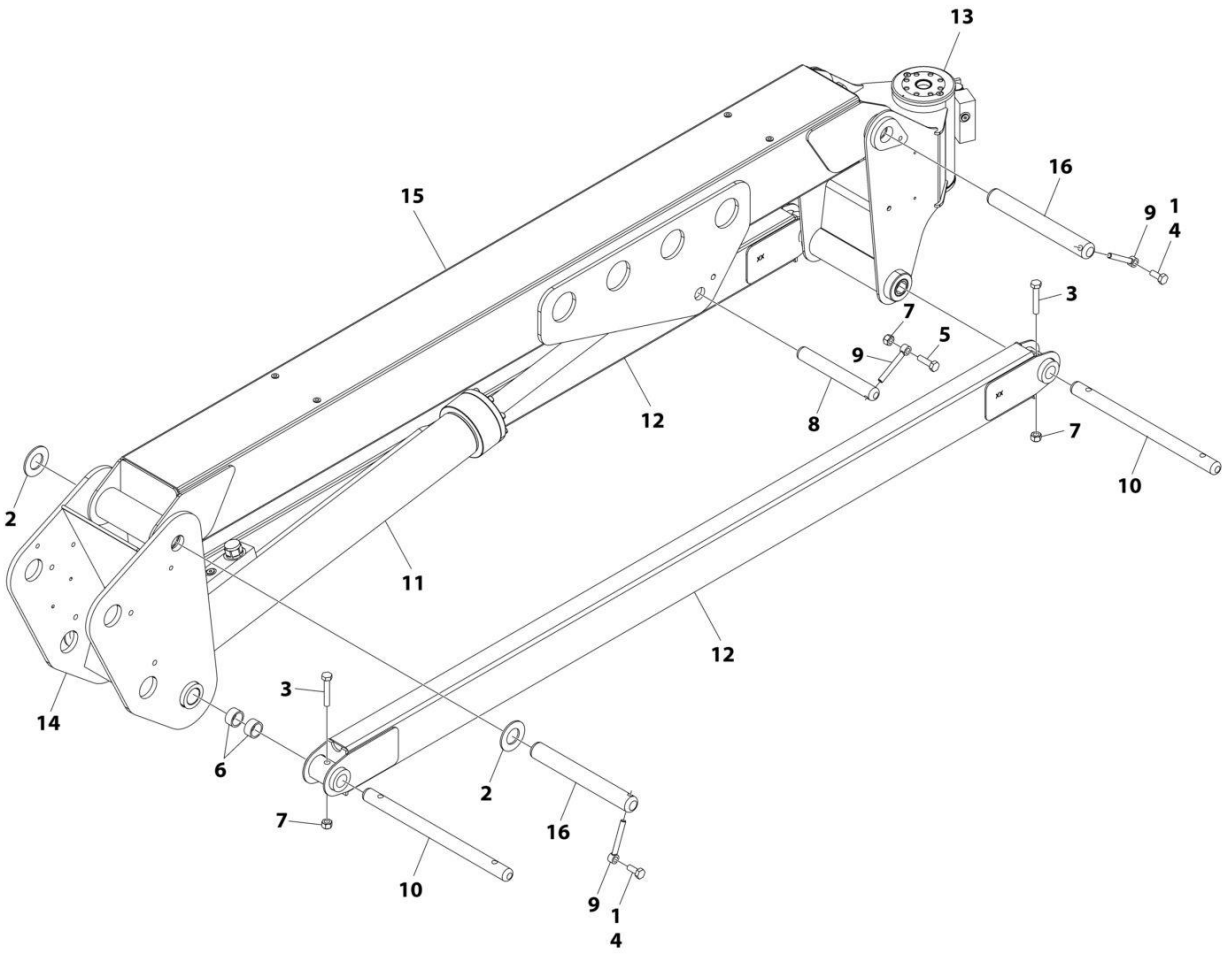


FIGURE 4-10. JIB BOOM ASSEMBLY - 460SJ HC3 (ROMANIAN BUILT MACHINES) (SN E300008018 through E300008842)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238329	Ref	JIB BOOM ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0440162	2	Bearing	
3	0701020	4	Bolt M10 x 60	
4	0761012	2	Bolt M10 x 25	
5	0761015	1	Bolt M10 x 35	
6	0961947	4	Bearing	
7	3291005	5	Nut M10	
8	3422867	1	Pin	
9	3841143	3	Keeper, Pin	
10	3422861	2	Pin	
11	1001259137	1	Lift Cylinder Assembly - Jib (See Separate Breakdown in CYLINDER SECTION)	
12	1001221486	2	Link	
13	1001234811	1	Actuator (See Separate Breakdown in this Section)	
14	1001238168	1	Pivot	
15	1001238334	1	Tube (Upper)	
15	0962155	1	Bushing	
16	1001238398	2	Pin	

FIGURE 4-11. JIB BOOM ASSEMBLY - 460SJ HC3 (ROMANIAN BUILT MACHINES) (SN E300008843 to Present)

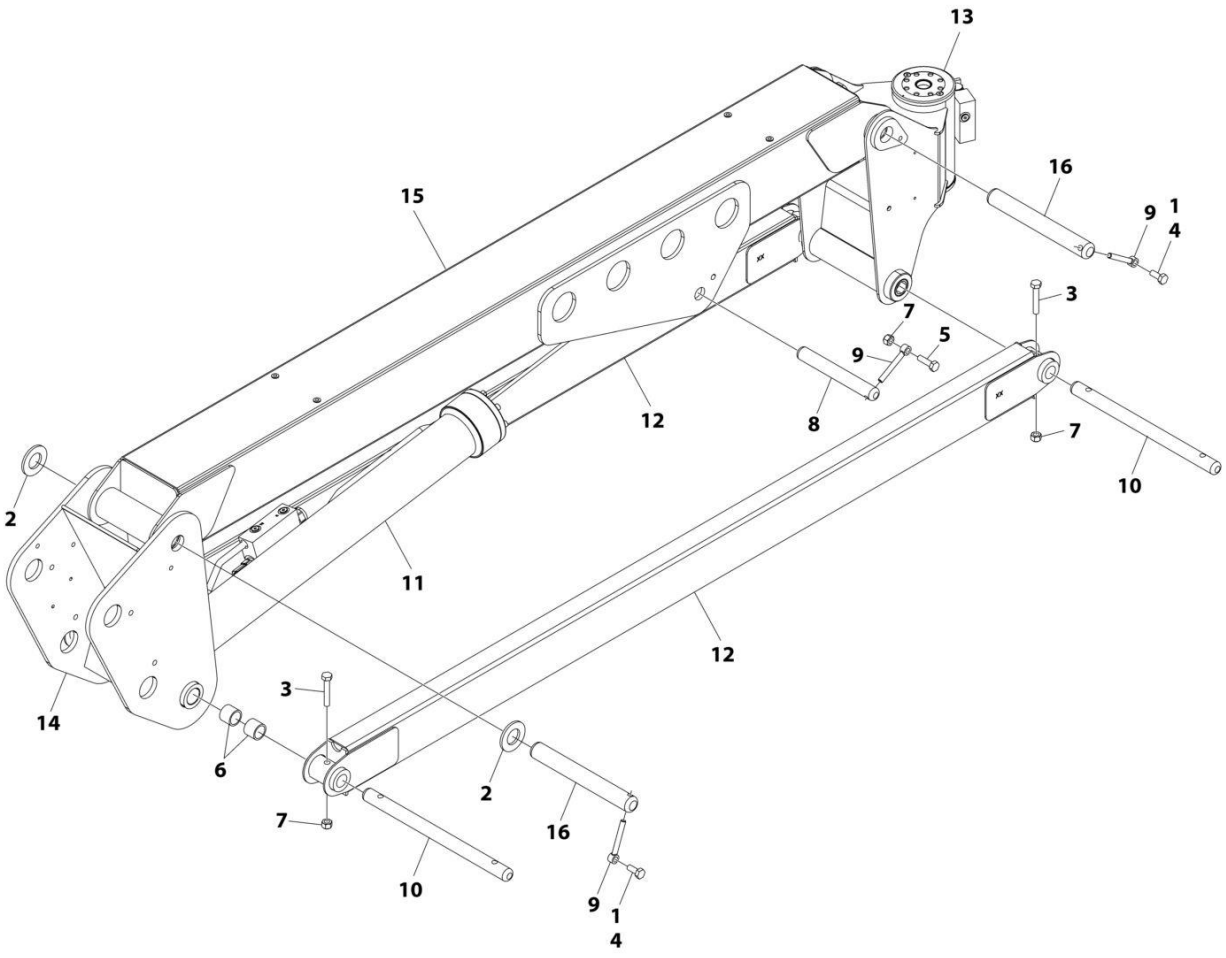


FIGURE 4-11. JIB BOOM ASSEMBLY - 460SJ HC3 (ROMANIAN BUILT MACHINES) (SN E300008843 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238329	Ref	JIB BOOM ASSEMBLY	F
1	0100011	AR	Compound, Locking	
2	0440237	2	Bearing	
3	0701020	4	Bolt M10 x 60	
4	0761012	2	Bolt M10 x 25	
5	0761015	1	Bolt M10 x 35	
6	1001134289	4	Bearing	
7	3291005	5	Nut M10	
8	3422867	1	Pin	
9	3841143	3	Keeper, Pin	
10	3422861	2	Pin	
11	1001264991	1	Lift Cylinder Assembly - Jib (See Separate Breakdown in CYLINDER Section)	
12	1001221486	2	Link	
13	1001234811	1	Actuator (See Separate Breakdown in this Section)	
14	1001238168	1	Pivot	
15	1001238334	1	Tube (Upper)	
15	0962155	1	Bushing	
16	1001238398	2	Pin	

FIGURE 4-12. ROTATOR ASSEMBLY - 400S HC3

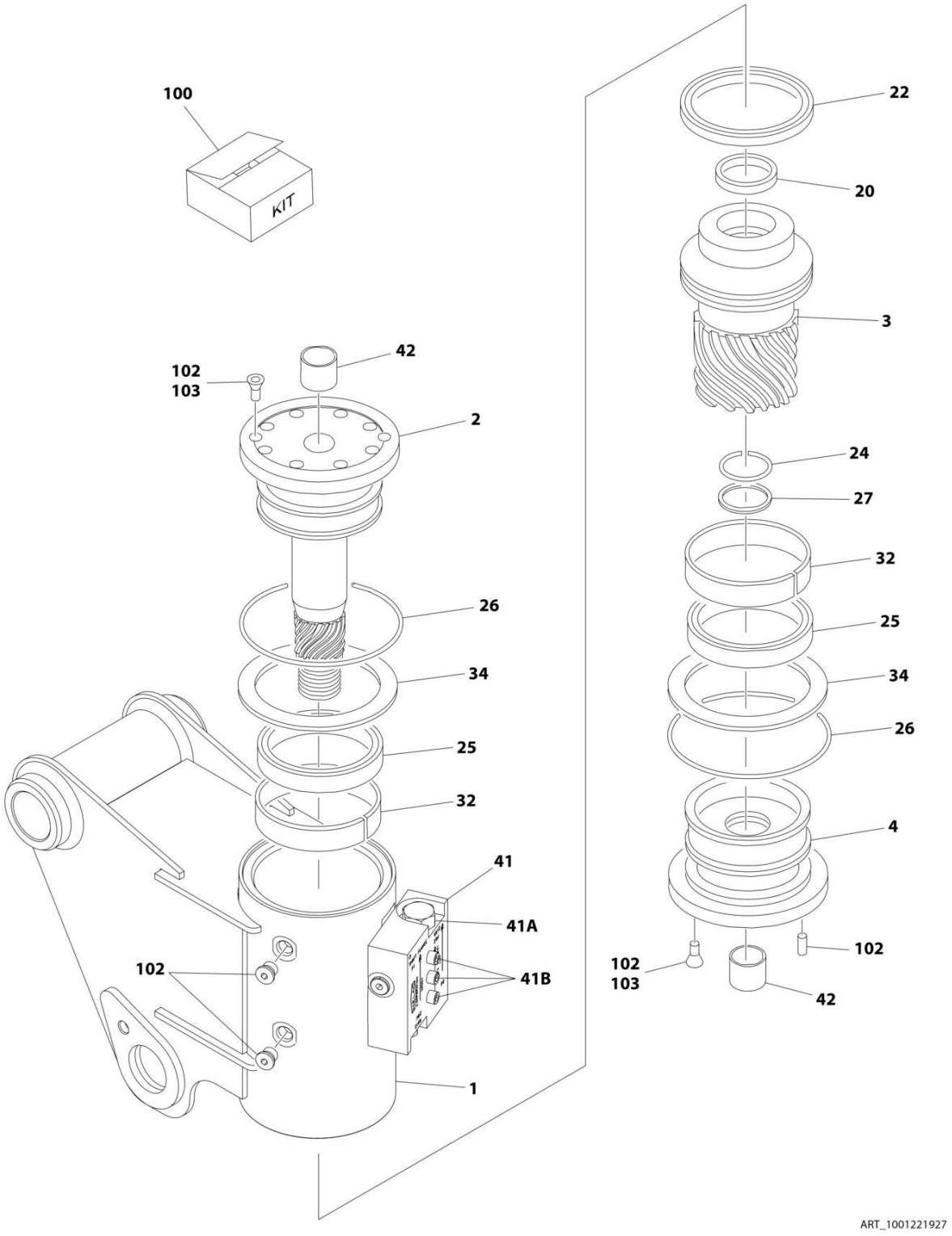


FIGURE 4-12. ROTATOR ASSEMBLY - 400S HC3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221927	Ref	ROTATOR ASSEMBLY - 400SC	A
1	See Note	NSS	Housing/Ring Gear Assembly (Note: Not Available - Purchase Complete Rotator Assembly)	
2	7017162	1	Shaft Weldment	
3	7017163	1	Piston/Sleeve Assembly	
4	7017164	1	Cap, End	
20	See Note	NSS	T-Seal (Note: Use Item 100)	
22	See Note	NSS	T-Seal (Note: Use Item 100)	
24	See Note	NSS	O-Ring (Note: Use Item 100)	
25	See Note	NSS	Seal (Note: Use Item 100)	
26	See Note	NSS	O-Ring (Note: Use Item 100)	
27	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
32	See Note	NSS	Ring, Wear (Note: Use Item 101)	
34	See Note	NSS	Washer, Thrust (Note: Use Item 101)	
40	70006580	1	Tube, Stop (Not Shown)	
41	7017172	AR	Valve Assembly	
41A	7017192	2	Cartridge, Valve	
41A	See Note	NSS	Seal Kit - 7017192 Valve (Note: Not Available for Purchase)	
41B	See Note	3	Bolt 1/4 x 1-1/2 (Grade 8) (Note: Not Available - Purchase Locally)	
42	7017195	2	Bushing	
100	70000342	1	Seal Kit (Includes Items 20, 22, 24, 25, 27)	
101	7017159	1	Bearing Kit (Includes Items 32 & 34)	
102	7017142	1	Hardware Kit	
103	70001697	4	Screw, Countersunk 1/4 x 3/8 Grade 8	

FIGURE 4-13. ROTATOR ASSEMBLY - 460SJ HC3

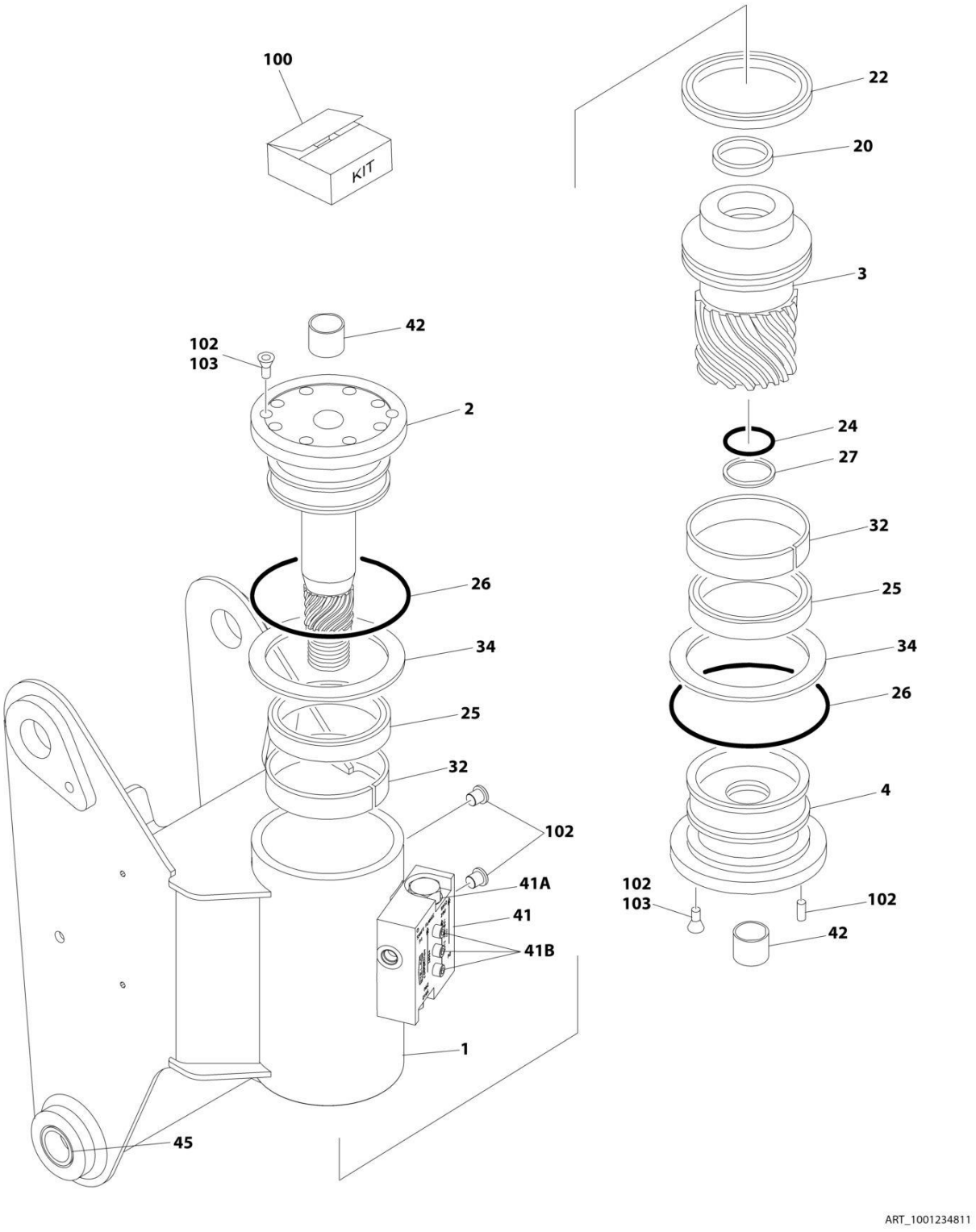


FIGURE 4-13. ROTATOR ASSEMBLY - 460SJ HC3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234811	Ref	ROTATOR ASSEMBLY	B
1	See Note	NSS	Housing/Ring Gear Assembly (Note: Not Available - Purchase Complete Rotator Assembly)	
2	7017162	1	Shaft Weldment	
3	7017163	1	Piston/Sleeve Assembly	
4	7017164	1	Cap, End	
20	See Note	NSS	T-Seal (Note: Use Item 100)	
22	See Note	NSS	T-Seal (Note: Use Item 100)	
24	See Note	NSS	O-Ring (Note: Use Item 100)	
25	See Note	NSS	Seal (Note: Use Item 100)	
26	See Note	NSS	O-Ring (Note: Use Item 100)	
27	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
32	See Note	NSS	Ring, Wear (Note: Use Item 101)	
34	See Note	NSS	Washer, Thrust (Note: Use Item 101)	
41	7017172	AR	Valve Assembly	
41A	7017192	2	Cartridge, Valve	
41A	See Note	NSS	Seal Kit - 7017192 Valve (Note: Not Available for Purchase)	
41B	See Note	3	Bolt 1/4-20NC x 1-1/2 Grade 8 (Note: Not Available - Purchase Locally)	
42	7017195	2	Bushing	
45	0961947	2	Bushing 1IN ID x 1.25IN OD x 5/8IN L	
45	1001134289	2	Bushing 1IN ID x 1.5IN OD x 1IN L	
100	70000342	1	Seal Kit (Includes Items 20, 22, 24, 25, 27 & 33)	
101	7017159	1	Bearing Kit (Includes Items 32 & 34)	
102	7017142	1	Hardware Kit	
103	70001697	4	Screw, Countersunk 1/4 x 3/8 Grade 8	

FIGURE 4-14. SUPPORT, PLATFORM INSTALLATION (Prior to SN 0300271832, Prior to SN E300007991)

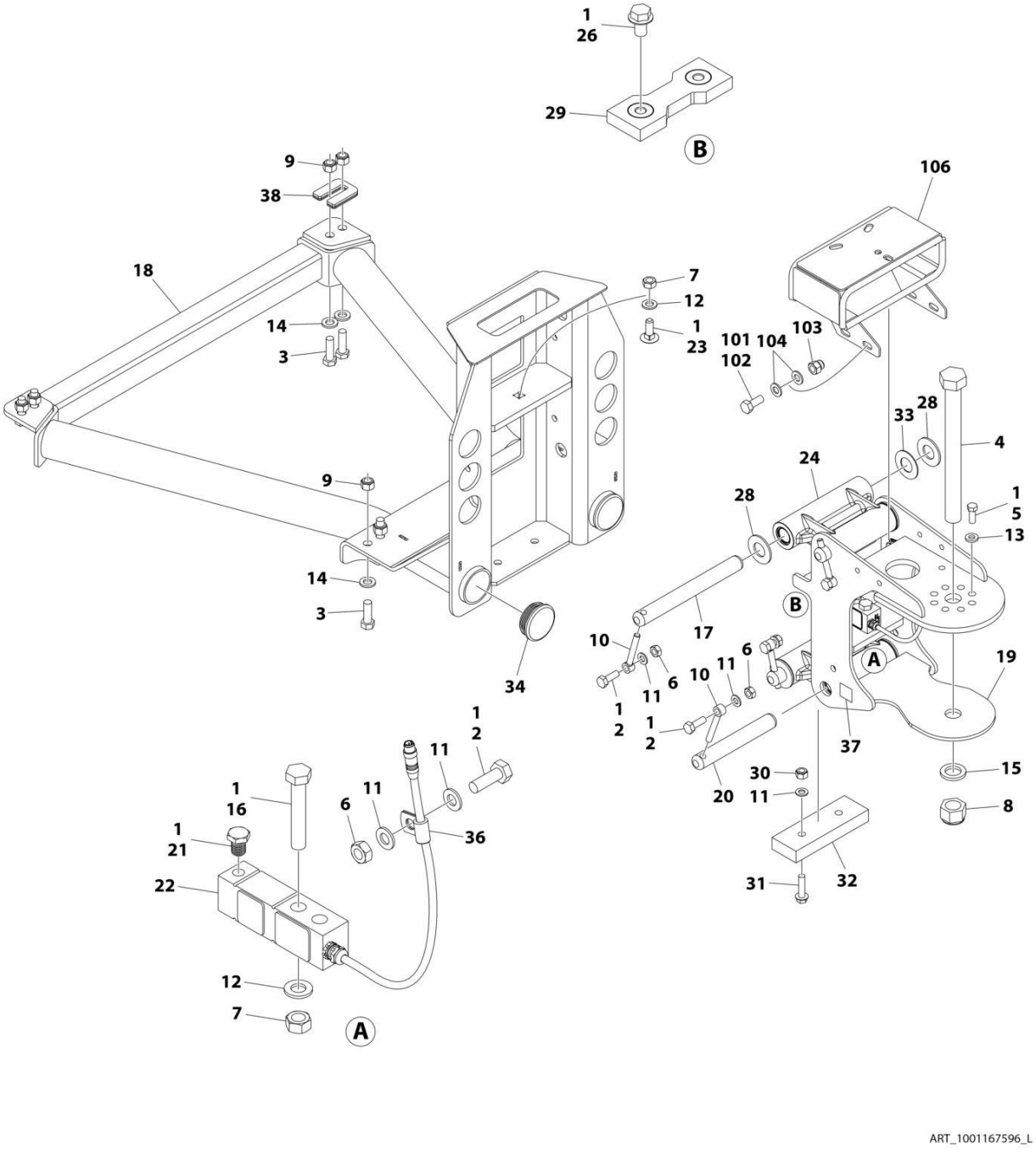


FIGURE 4-14. SUPPORT, PLATFORM INSTALLATION (Prior to SN 0300271832, Prior to SN E300007991)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167596	Ref	PLATFORM SUPPORT INSTALLATION	L
1	0100011	AR	Compound, Locking	
2	0761014	5	Bolt M10 x 30	
3	0761216	8	Bolt M12 x 40	
4	0642684	1	Bolt 1 x 10-1/2	
5	0681608	8	Bolt 3/8 x 1	
6	3291001	5	Nut M10	
7	3291201	3	Nut M12	
8	3300243	1	Nut 1	
9	3291205	8	Nut M12	
10	3841143	4	Keeper, Pin	
11	4812000	8	Washer M10	
12	4812100	3	Washer M12	
13	4891600	8	Washer 3/8	
14	5241200	8	Washer M12	
15	4892600	1	Washer 1	
16	1001098828	2	Bolt M12 x 70 Grade 10.9	
17	1001167565	2	Pin	
18	1001200494	1	Support, Platform	
19	1001167567	1	Support, Rotator	
20	1001168402	2	Pin	
21	1001188622	1	Screw	
22	1001247468	1	Gauge, Load Sensing	
23	1001188844	1	Bolt M12 x 35	
24	1001201351	2	Link	
24	1001187382	4	Bearing	
24	1001187383	4	Seal	
26	5251008	2	Bolt M10 x 16	
28	1001189002	8	Bearing	
29	1001190985	1	Pad, Wear	
30	3291005	2	Nut M10	
31	5251016	2	Bolt M10 x 40	
32	1001200491	1	Pad, Wear	
33	1001189001	4	Bearing	
34	1001204725	2	Plug	
36	91203039	1	Clamp	
37	1001216630	2	Decal - Tie Down/No Lift	
38	1001238421	Ref	Kit, Platform Leveling (Not Shown)	
	1001202687	Ref	VALVE MOUNT INSTALLATION	B
101	0100011	AR	Compound, Locking	
102	0760810	4	Bolt M8 x 20	
103	3290806	4	Nut M8	
104	4811900	8	Washer M8	
106	1001208994	1	Mount, Valve	

FIGURE 4-15. SUPPORT, PLATFORM INSTALLATION (SN 0300271832 to Present, SN E300007991 to Present)

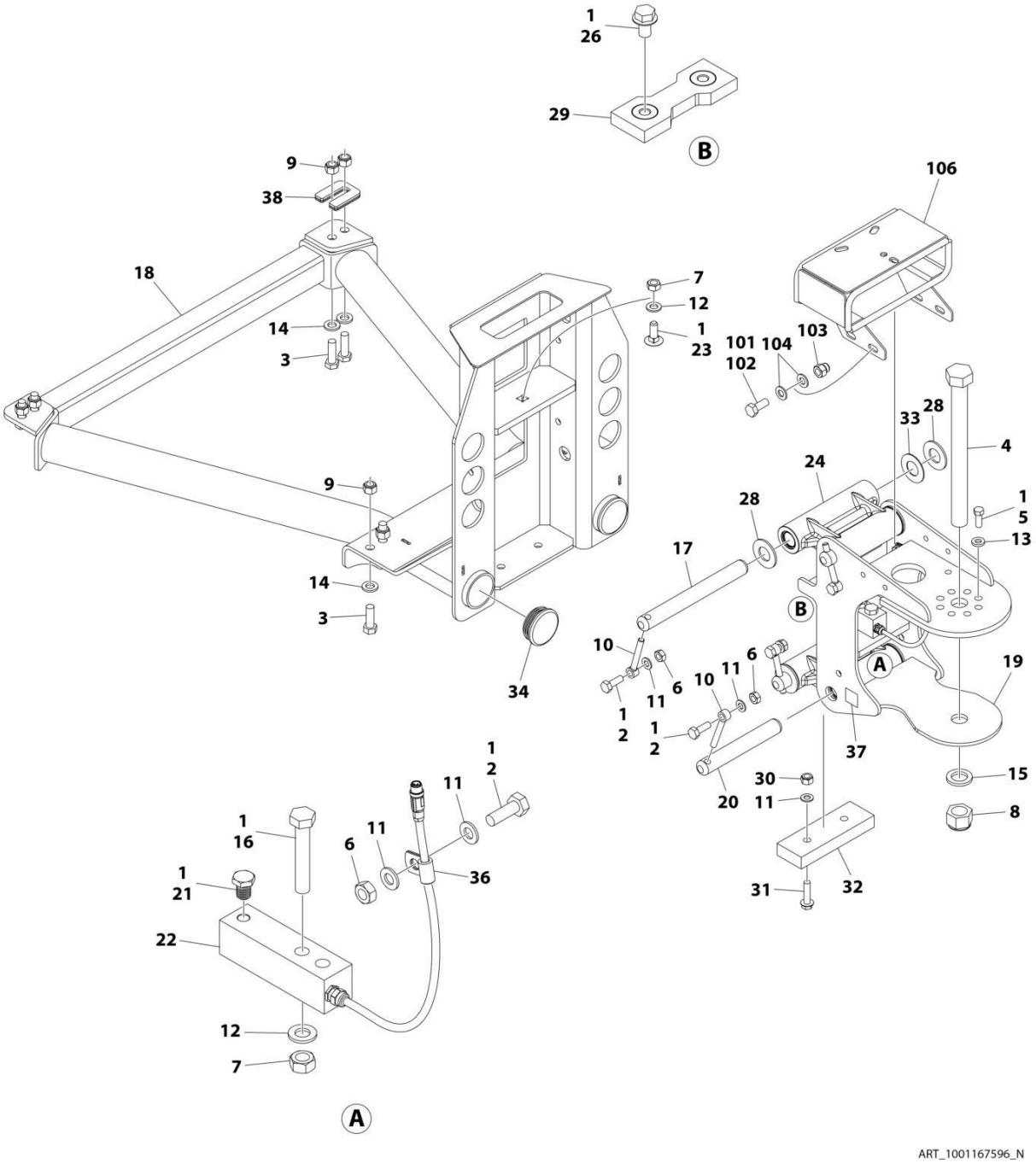


FIGURE 4-15. SUPPORT, PLATFORM INSTALLATION (SN 0300271832 to Present, SN E300007991 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167596	Ref	PLATFORM SUPPORT INSTALLATION	N
1	0100011	AR	Compound, Locking	
2	0761014	5	Bolt M10 x 30	
3	0761216	8	Bolt M12 x 40	
4	1001255133	1	Bolt 1 x 11	
5	0681608	8	Bolt 3/8 x 1	
6	3291001	5	Nut M10	
7	3291201	3	Nut M12	
8	1001174040	1	Nut 1	
9	3291205	8	Nut M12	
10	3841143	4	Keeper, Pin	
11	4812000	8	Washer M10	
12	4812100	3	Washer M12	
13	4891600	8	Washer 3/8	
14	5241200	8	Washer M12	
15	4892600001	1	Washer 1	
16	1001098828	2	Bolt M12 x 70 Grade 10.9	
17	1001167565	2	Pin	
18	1001200494	1	Support, Platform	
19	1001167567	1	Support, Rotator	
20	1001168402	2	Pin	
21	1001188622	1	Screw	
22	1001247468	1	Loadcell	
23	1001188844	1	Bolt M12 x 35	
24	1001201351	2	Link	
24	1001187382	4	Bearing	
24	1001187383	4	Seal	
26	5251008	2	Bolt M10 x 16	
28	1001189002	8	Bearing	
29	1001190985	1	Pad, Wear	
30	3291005	2	Nut M10	
31	5251016	2	Bolt M10 x 40	
32	1001200491	1	Pad, Wear	
33	1001189001	4	Bearing	
34	1001204725	2	Plug	
36	91203039	1	Clamp	
37	1001216630	2	Decal - Tie Down/No Lift	
38	1001238421	Ref	Kit, Platform Leveling (Not Shown)	
	1001202687	Ref	VALVE MOUNT INSTALLATION	B
101	0100011	AR	Compound, Locking	
102	0760810	4	Bolt M8 x 20	
103	3290806	4	Nut M8	
104	4811900	8	Washer M8	
106	1001208994	1	Mount, Valve	

FIGURE 4-16. POWER TRACK INSTALLATION - 400S HC3 (USA BUILT MACHINES)

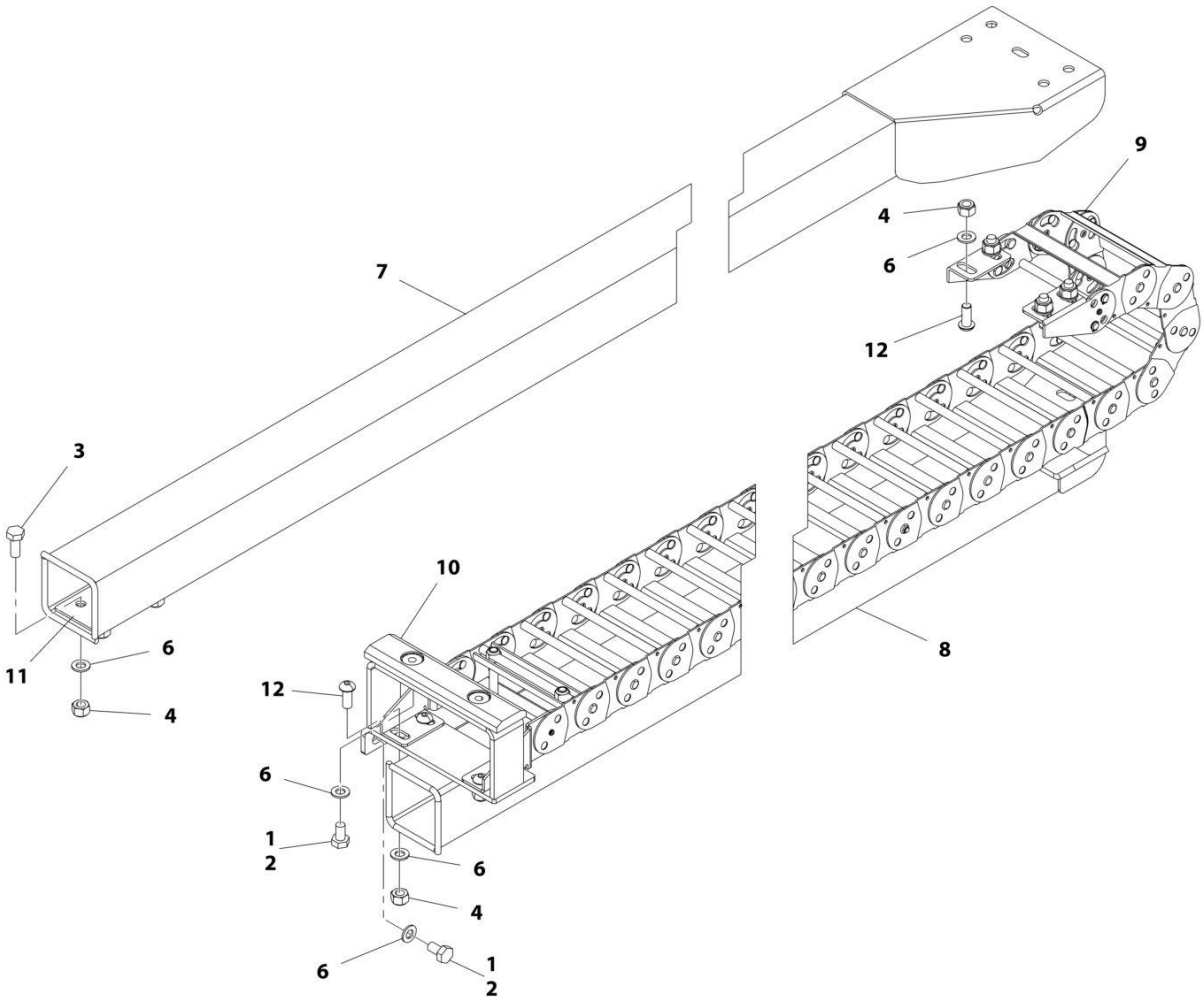


FIGURE 4-16. POWER TRACK INSTALLATION - 400S HC3 (USA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165538	Ref	POWER TRACK INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0761009	10	Bolt M10 x 18	
3	0761012	4	Bolt M10 x 25	
4	3291005	12	Nut M10	
6	4812000	22	Washer M10	
7	1001165531	1	Tube, Push	
8	1001165534	1	Tube, Carrier	
9	1001224888	1	Power Track	
9	70006255	1	Repair Section without Clamp - 10 Links	
9	70006270	1	Feet, Mounting (Includes 1 each Left and Right Mounting Feet)	
10	1001169611	1	Pad, Wear	
11	1001176899	1	Plate, Support	
12	1001173763	8	Screw M10 x 25	

FIGURE 4-17. POWER TRACK INSTALLATION - 460SJ HC3 (USA BUILT MACHINES)

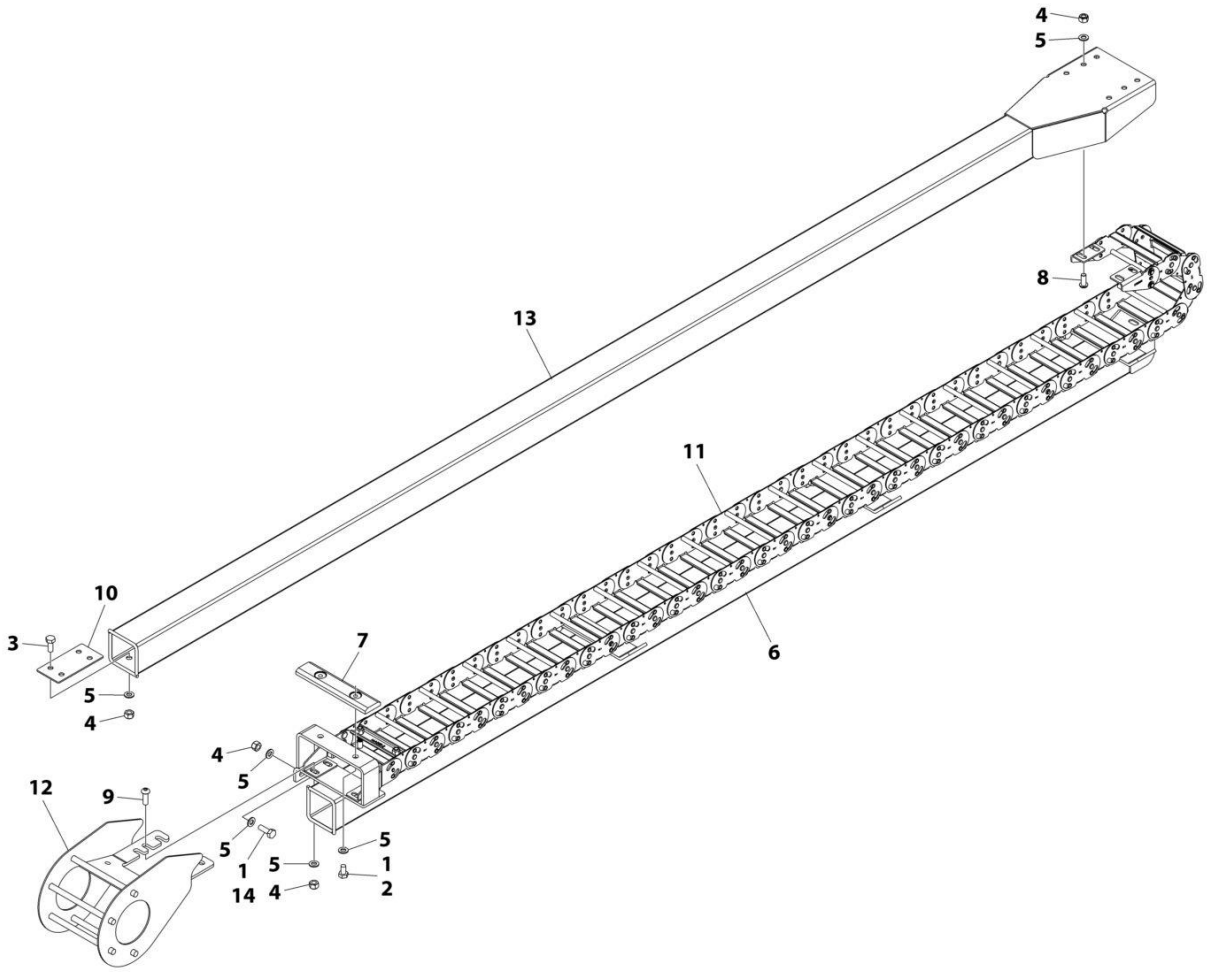


FIGURE 4-17. POWER TRACK INSTALLATION - 460SJ HC3 (USA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242177	Ref	POWER TRACK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0761009	2	Bolt M10 x 18	
3	0761012	4	Bolt M10 x 25	
4	3291005	20	Nut M10	
5	4812000	30	Washer M10	
6	1001165534	1	Tube, Carrier	
7	1001169611	1	Pad, Wear	
8	1001173763	4	Screw M10 x 25	
9	1001174673	4	Screw M10	
10	1001176899	1	Plate, Support	
11	1001224888	1	Power Track	
11	70006255	1	Repair Section	
11	70006270	1	Fleet, Mounting (Includes 4 Feet and Hardware)	
12	1001243755	1	Mount, Carrier Tube	
13	1001243756	1	Tube	
14	0761014	8	Bolt M10 x 30	

FIGURE 4-18. POWER TRACK INSTALLATION - 460SJ HC3 (ROMANIAN BUILT MACHINES)

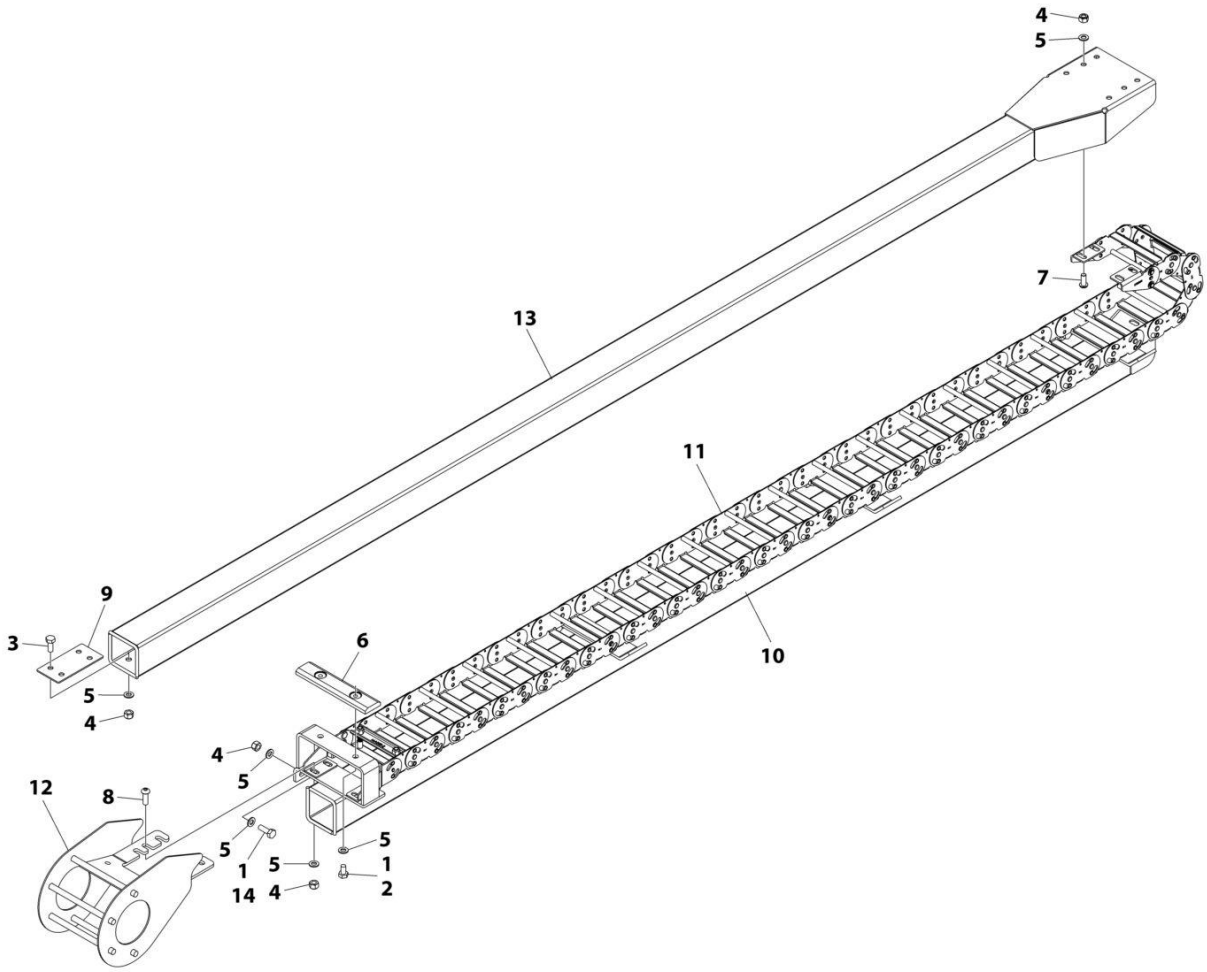


FIGURE 4-18. POWER TRACK INSTALLATION - 460SJ HC3 (ROMANIAN BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245066	Ref	POWER TRACK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0761009	2	Bolt M10 x 18	
3	0761012	4	Bolt M10 x 25	
4	3291005	20	Nut M10	
5	4812000	30	Washer M10	
6	1001169611	1	Pad, Wear	
7	1001173763	4	Screw M10 x 25	
8	1001174673	4	Screw M10 x 30	
9	1001176899	1	Plate, Support	
10	1001220921	1	Tube, Carrier	
11	1001224888	1	Power Track	
11	70006255	1	Repair Section	
11	70006270	1	Fleet, Mounting (Includes 4 Feet and Hardware)	
12	1001243755	1	Mount, Carrier Tube	
13	1001245063	1	Tube	
14	0761014	8	Bolt M10 x 30	

FIGURE 4-19. CAPACITY SWITCH INSTALLATION - 400S HC3

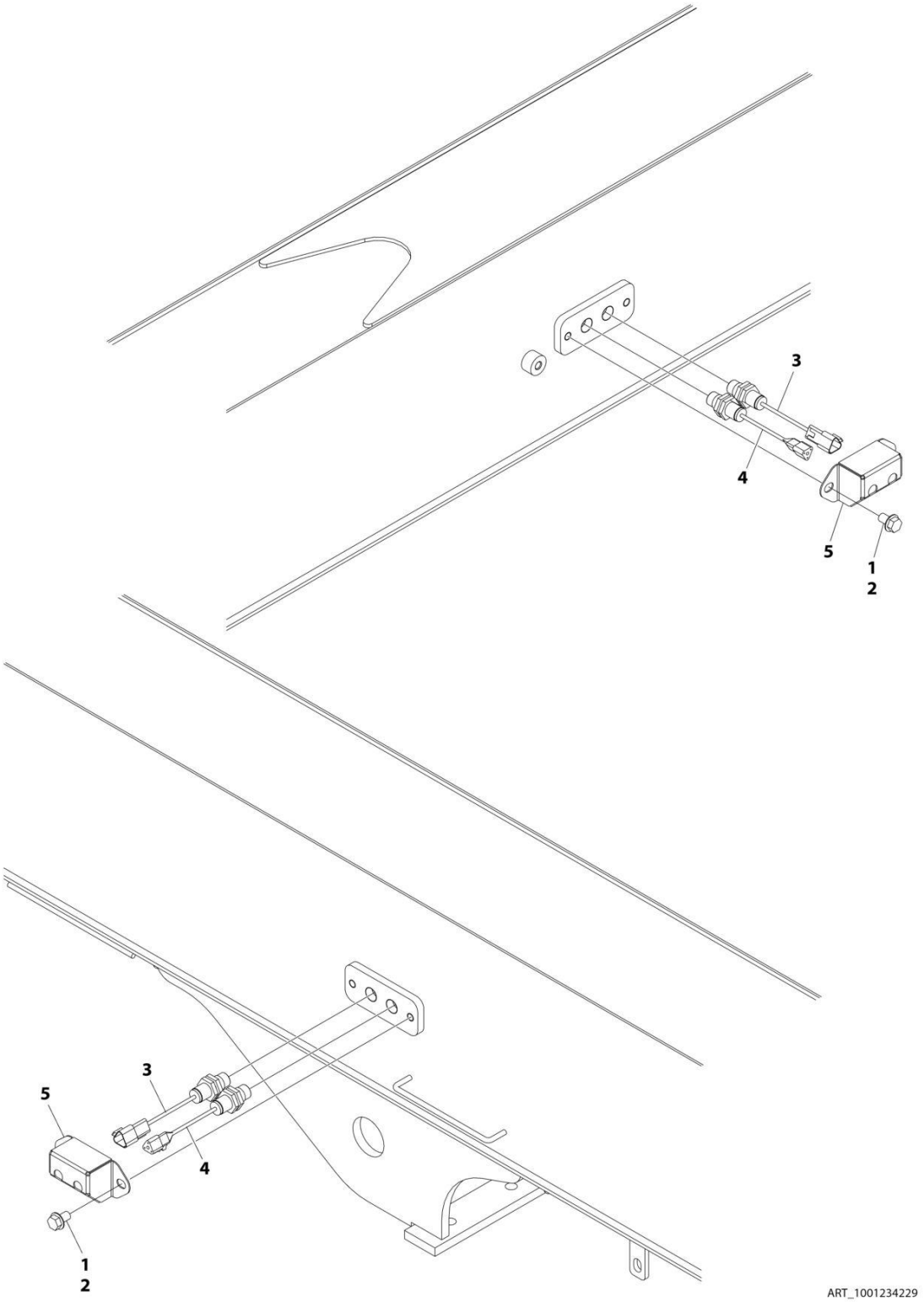


FIGURE 4-19. CAPACITY SWITCH INSTALLATION - 400S HC3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234229	Ref	CAPACITY SWITCH INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	5251008	4	Bolt M10 x 16	
3	1001170847	2	Sensor, Proximity	
3	4460536	1	Connector - 3 Position	
3	4460464	1	Pin, Male	
4	1001182570	2	Sensor, Proximity	
4	4460539	1	Connector 3 Position	
4	4460465	3	Socket, Female	
5	1001204715	2	Bracket, Cover	

FIGURE 4-20. CAPACITY SWITCH INSTALLATION - 460SJ HC3

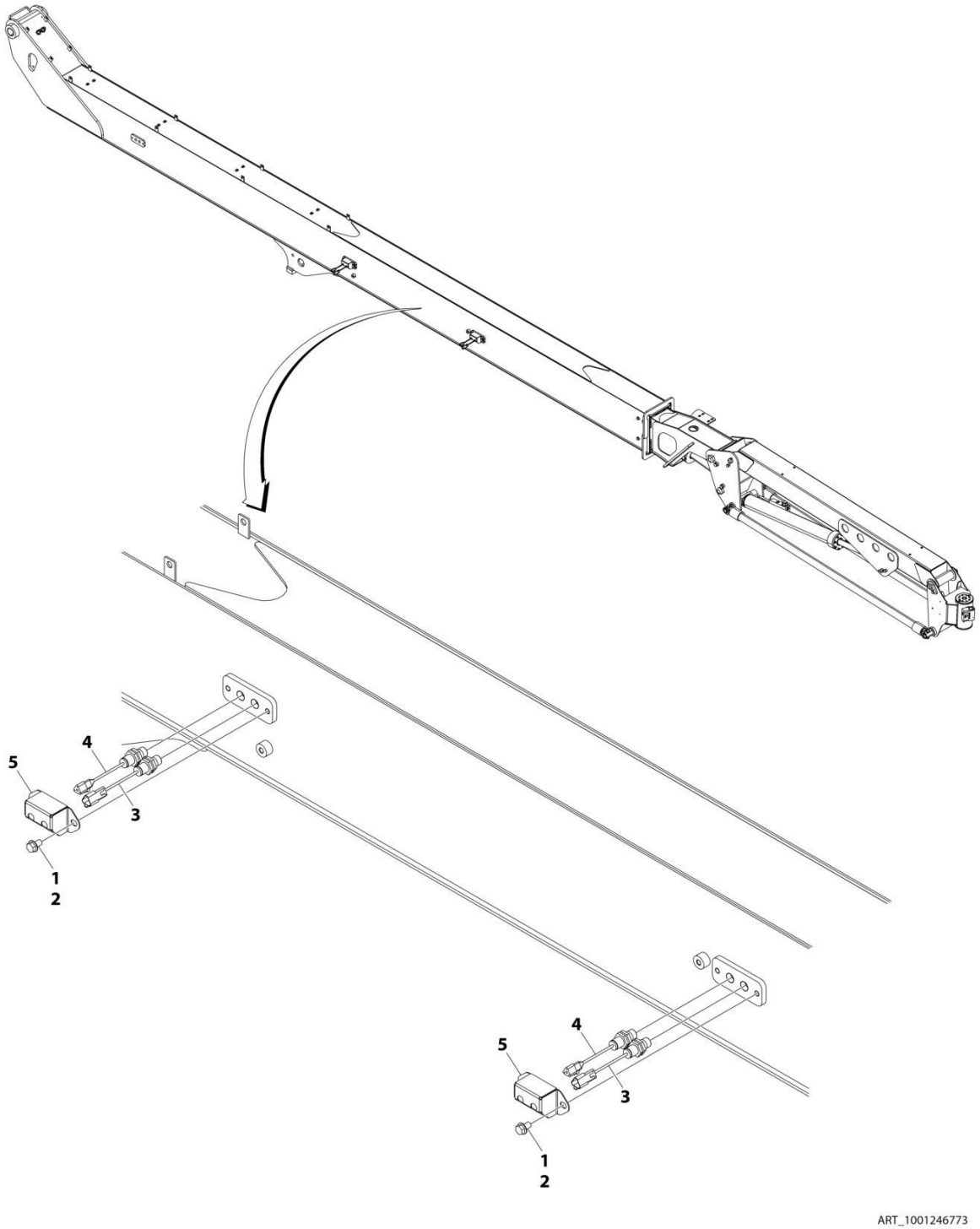


FIGURE 4-20. CAPACITY SWITCH INSTALLATION - 460SJ HC3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246773	Ref	CAPACITY SWITCH INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	5251008	4	Bolt M10 x 16	
3	1001170847	2	Sensor, Proximity	
3	4460536	1	Connector - 3 Position	
3	4460464	3	Pin, Male	
4	1001182570	2	Sensor, Proximity	
4	4460539	1	Connector 3 Position	
4	4460465	3	Socket, Female	
5	1001204715	2	Bracket, Cover	

FIGURE 4-21. TRANSPORT POSITION SWITCH INSTALLATION

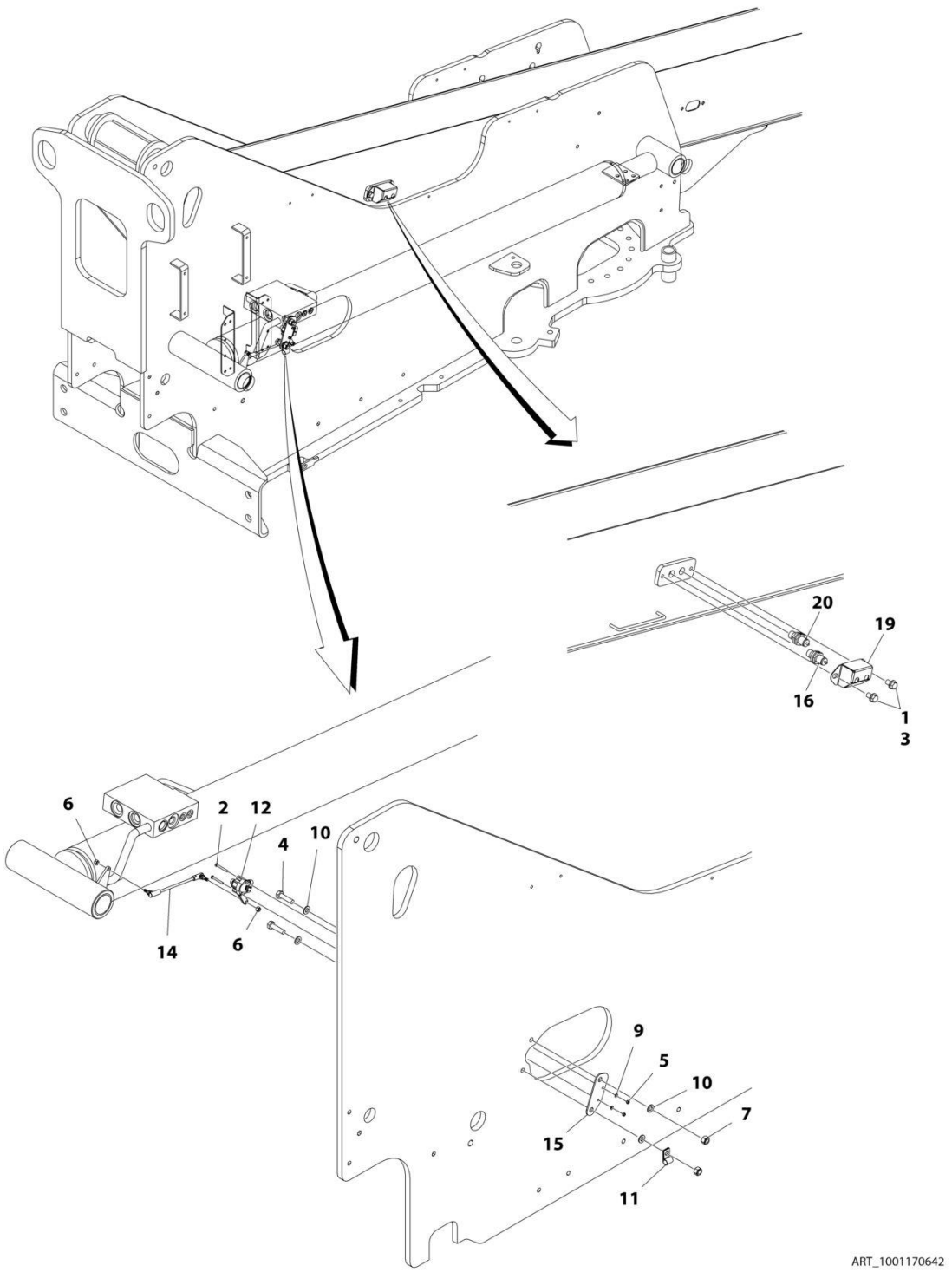


FIGURE 4-21. TRANSPORT POSITION SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170642	Ref	TRANSPORT SWITCHES INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0760415	2	Bolt M4 x 35	
3	5251008	2	Bolt M10 x 16	
4	0761016	2	Bolt M10 x 40	
5	3290405	2	Nut M4 x 0.7	
6	3290605	2	Nut M6 x 1	
7	3291005	2	Nut M10 x 1.5	
9	4811400	2	Washer M4	
10	4812000	4	Washer M10	
11	8406110	1	Clip	
12	1001118971	1	Angle, Sensor	
14	1001170564	1	Link, Sensor	
15	1001170565	1	Bracket	
16	1001170847	1	Sensor, Proximity	
16	4460536	1	Connector - 3 Position	
16	4460464	3	Pin, Male	
19	1001204715	1	Bracket, Switch Cover	
20	1001182570	1	Sensor, Proximity	
20	4460539	1	Connector - 3 Position	
20	4460465	3	Socket, Female	
21	1001288195	1	Boom Angle Sensr Jumper Harness	

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

FIGURE 5-1. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 3FT (76CM X .91M)

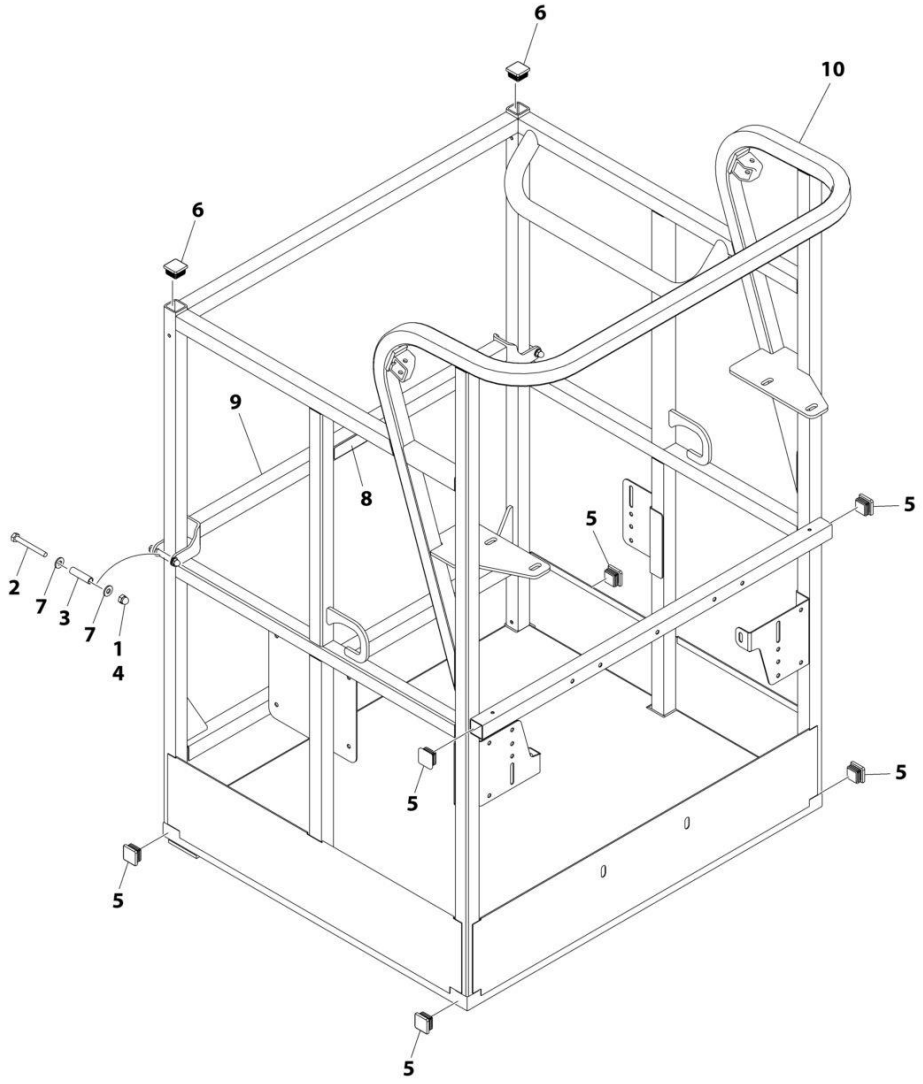


FIGURE 5-1. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 3FT (76CM X .91M)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228215	Ref	PLATFORM ASSEMBLY	A
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3300151	2	Nut 1/4	
5	3520072	6	Cap, Plug	
6	3520198	2	Cap, Plug	
7	4711400	4	Washer 1/4	
8	1001140429	1	Decal - Drop Bar	
9	1001226872	1	Bar, Drop	
10	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

SECTION 5 - PLATFORM

FIGURE 5-2. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 5FT (76CM X 1.52M) (USA BUILT MACHINES)

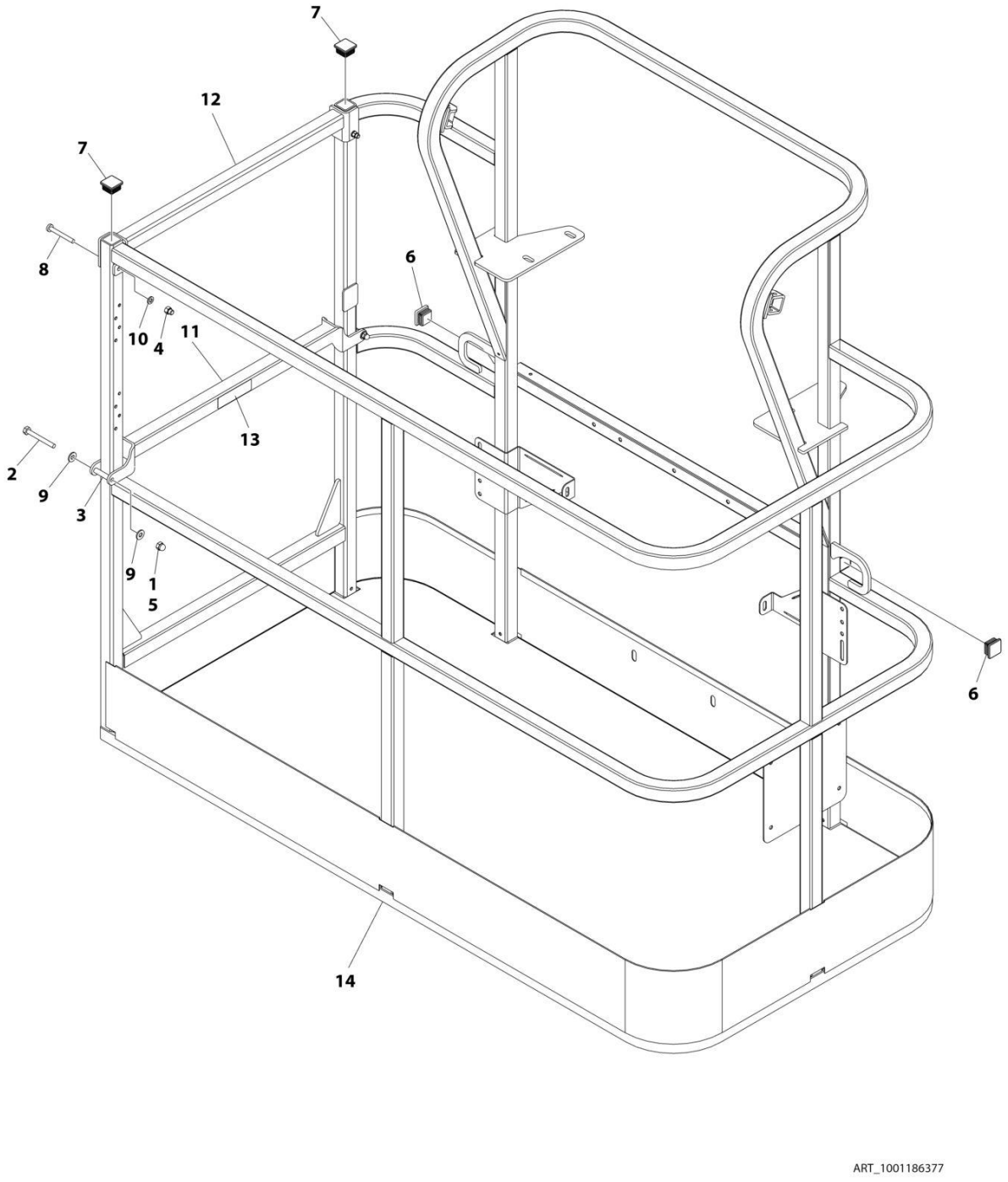


FIGURE 5-2. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 5FT (76CM X 1.52M) (USA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186377	Ref	PLATFORM ASSEMBLY	C
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641420	2	Bolt 1/4 x 2-1/2	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	3520072	2	Plug	
7	3520198	2	Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	1	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	1	Decal - Drop Bar	
14	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-3. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 5FT (76CM X 1.52M) (ROMANIAN BUILT MACHINES)

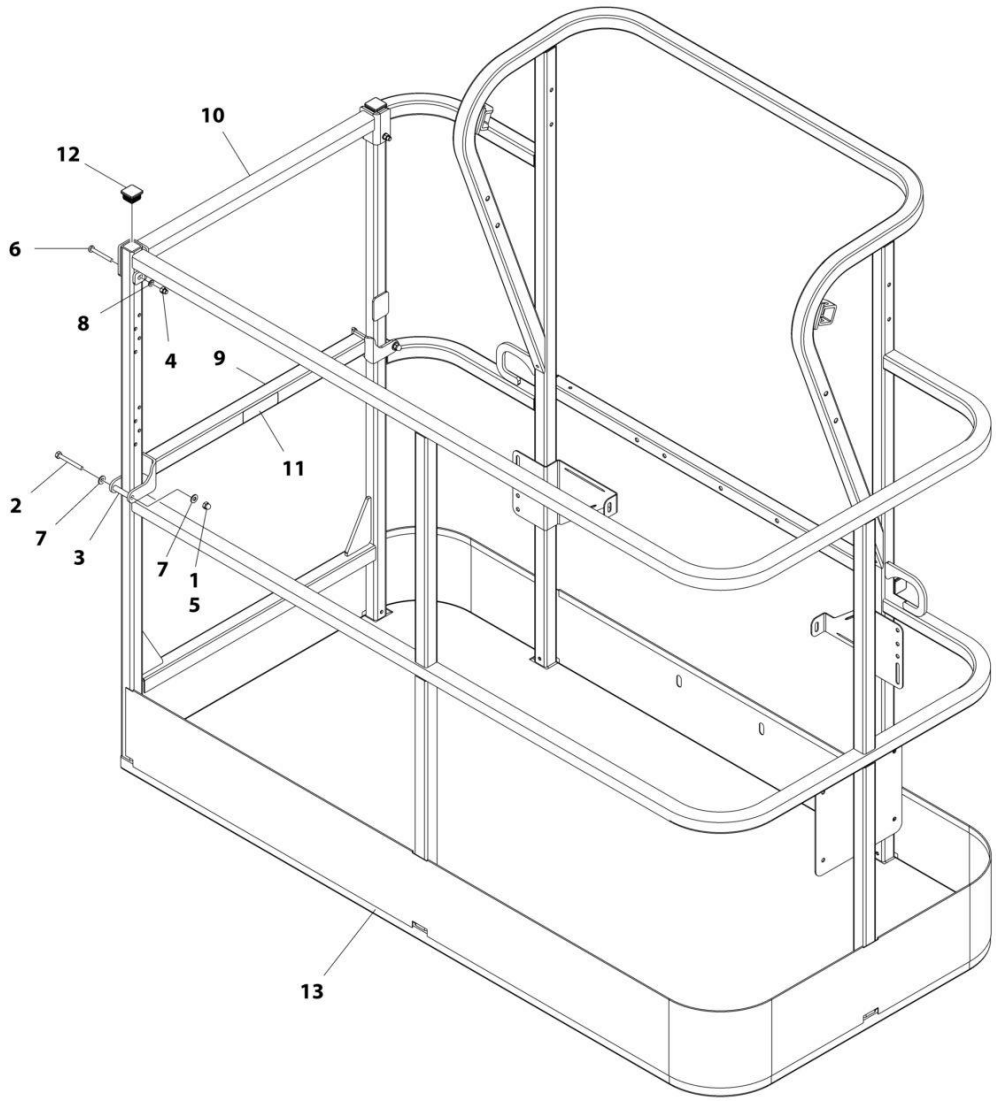


FIGURE 5-3. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 5FT (76CM X 1.52M) (ROMANIAN BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188314	Ref	PLATFORM ASSEMBLY	C
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	4010618	2	Screw M6 x 50	
7	4711400	4	Washer 1/4	
8	4811700	2	Washer M6	
9	1001138494	1	Bar, Drop	
10	1001138514	1	Rail (Top)	
11	1001140429	1	Decal - Drop Bar	
12	1001145781	4	Plug	
13	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-4. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 6FT (91.5CM X 1.83M) (USA BUILT MACHINES)

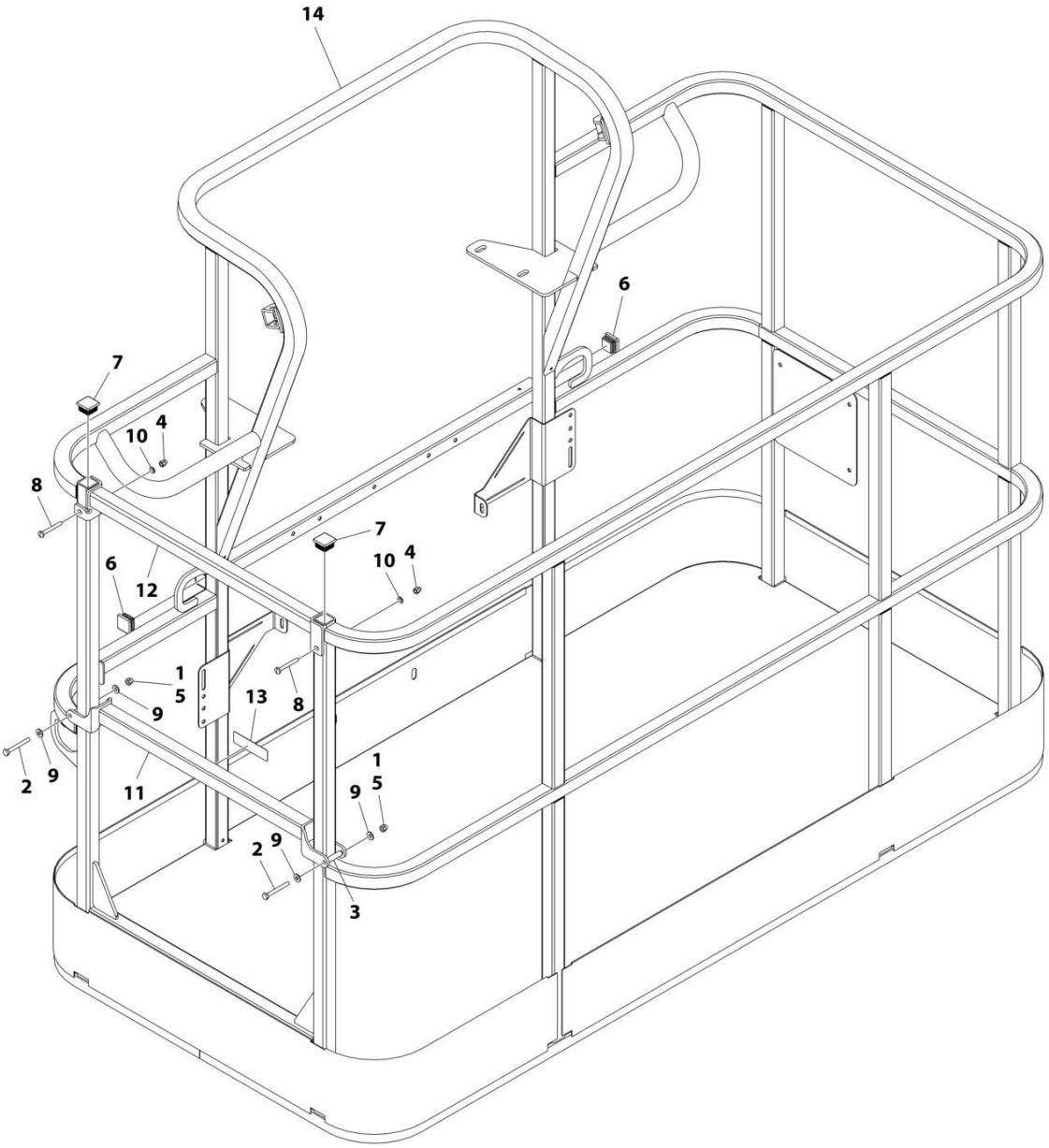


FIGURE 5-4. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 6FT (91.5CM X 1.83M) (USA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186379	Ref	PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR	B
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	3520072	2	Plug	
7	3520198	2	Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	1	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	1	Decal - Drop Bar	
14	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-5. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 6FT (91.5CM X 1.83M) (ROMANIAN BUILT MACHINES)

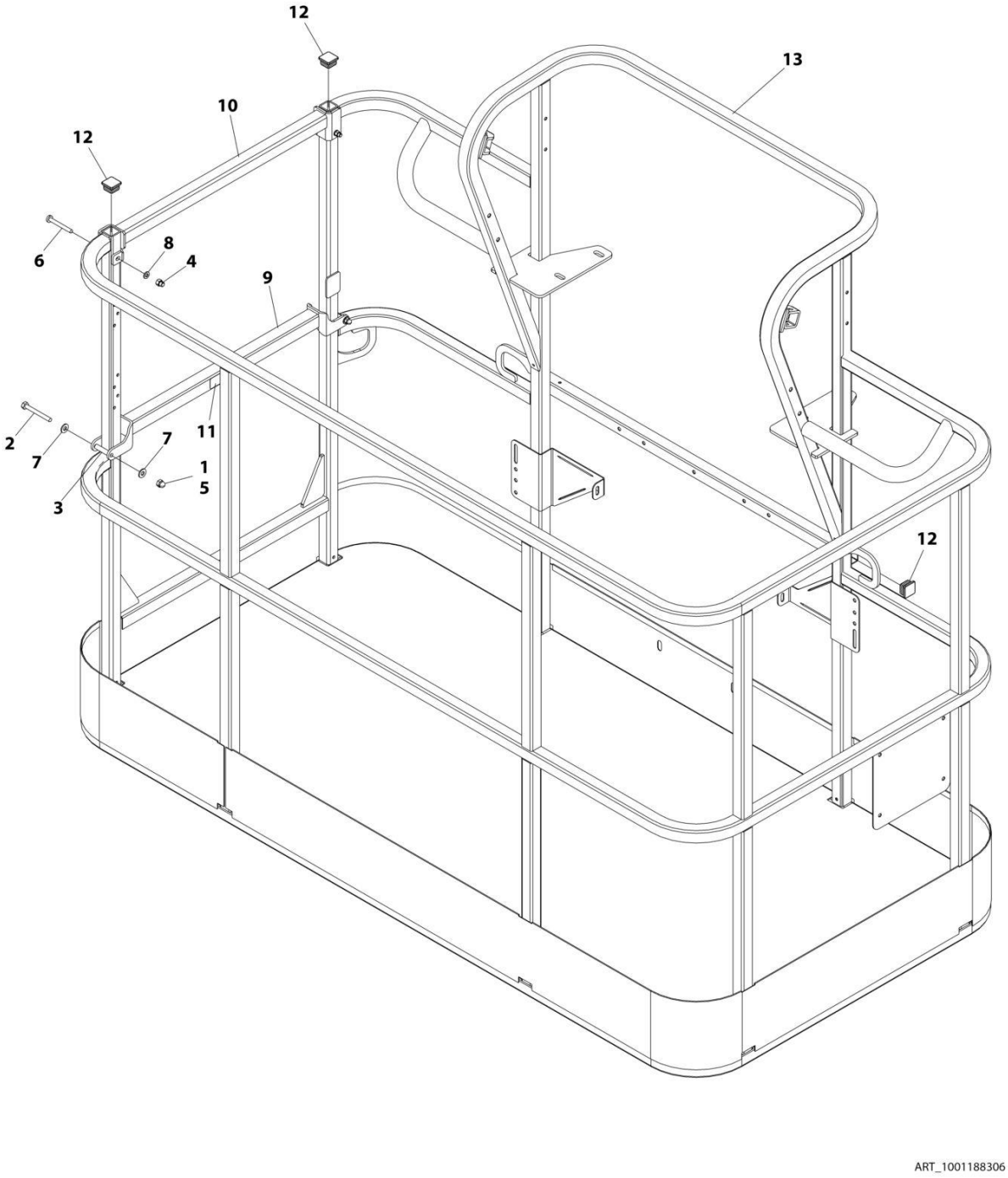


FIGURE 5-5. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 6FT (91.5CM X 1.83M) (ROMANIAN BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188306	Ref	PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR	C
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	4010618	2	Screw M6 x 50	
7	4711400	4	Washer 1/4	
8	4811700	2	Washer M6	
9	1001138494	1	Bar, Drop	
10	1001138514	1	Rail (Top)	
11	1001140429	1	Decal - Drop Bar	
12	1001145781	4	Plug	
13	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-6. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 8FT (91.5CM X 2.44M) (USA BUILT MACHINES)

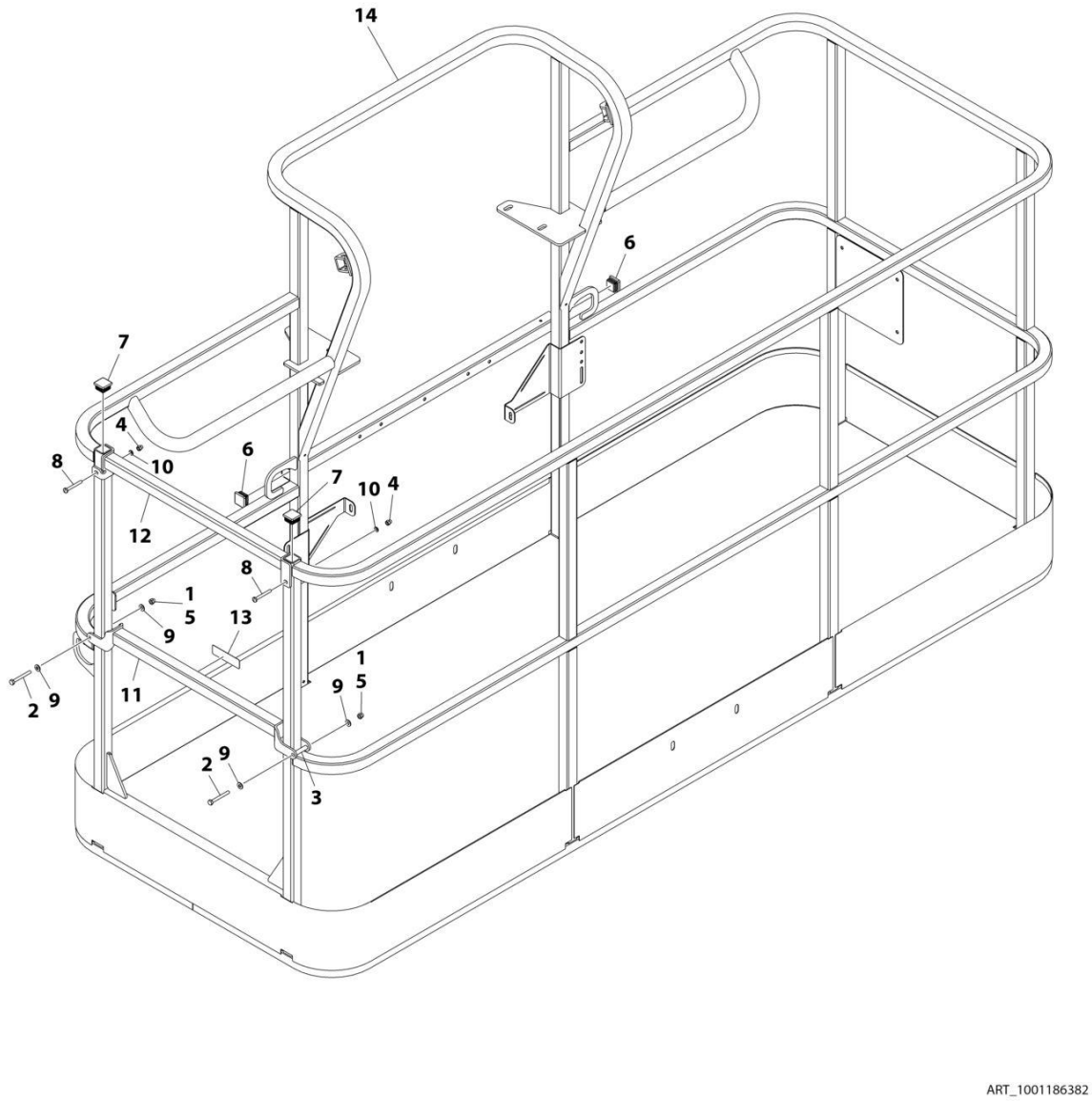


FIGURE 5-6. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 8FT (91.5CM X 2.44M) (USA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186382	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR	C
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	3520072	2	Plug	
7	3520198	2	Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	1	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	1	Decal - Drop Bar	
14	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-7. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 8FT (91.5CM X 2.44M) (ROMANIAN BUILT MACHINES)

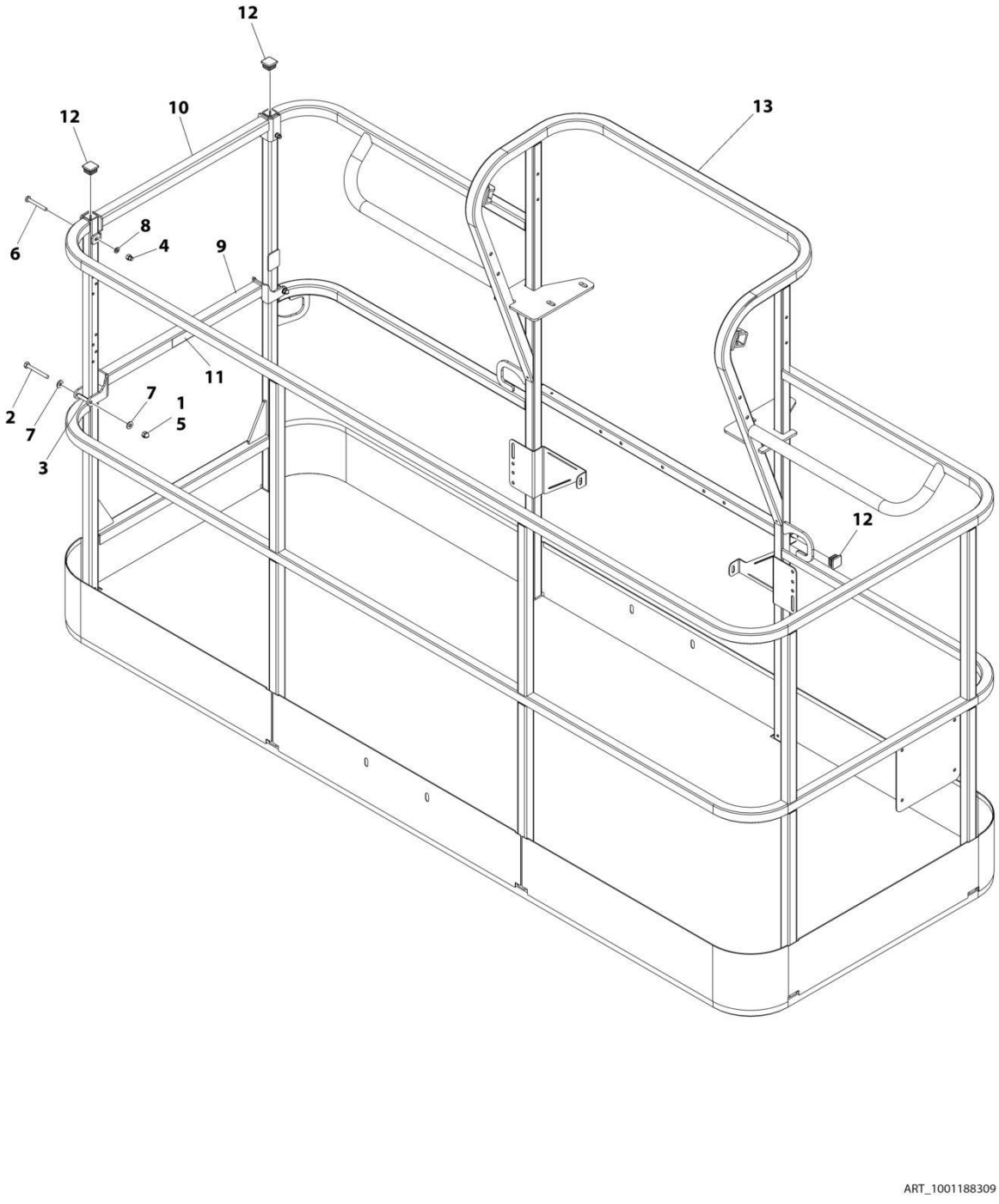


FIGURE 5-7. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 8FT (91.5CM X 2.44M) (ROMANIAN BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188309	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR	B
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	4010618	2	Screw M6 x 50	
7	4711400	4	Washer 1/4	
8	4811700	2	Washer M6	
9	1001138494	1	Bar, Drop	
10	1001138514	1	Rail (Top)	
11	1001140429	1	Decal - Drop Bar	
12	1001145781	4	Plug	
13	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-8. PLATFORM ASSEMBLY WITH GATE - 30IN X 5FT (76CM X 1.52M) (USA BUILT MACHINES

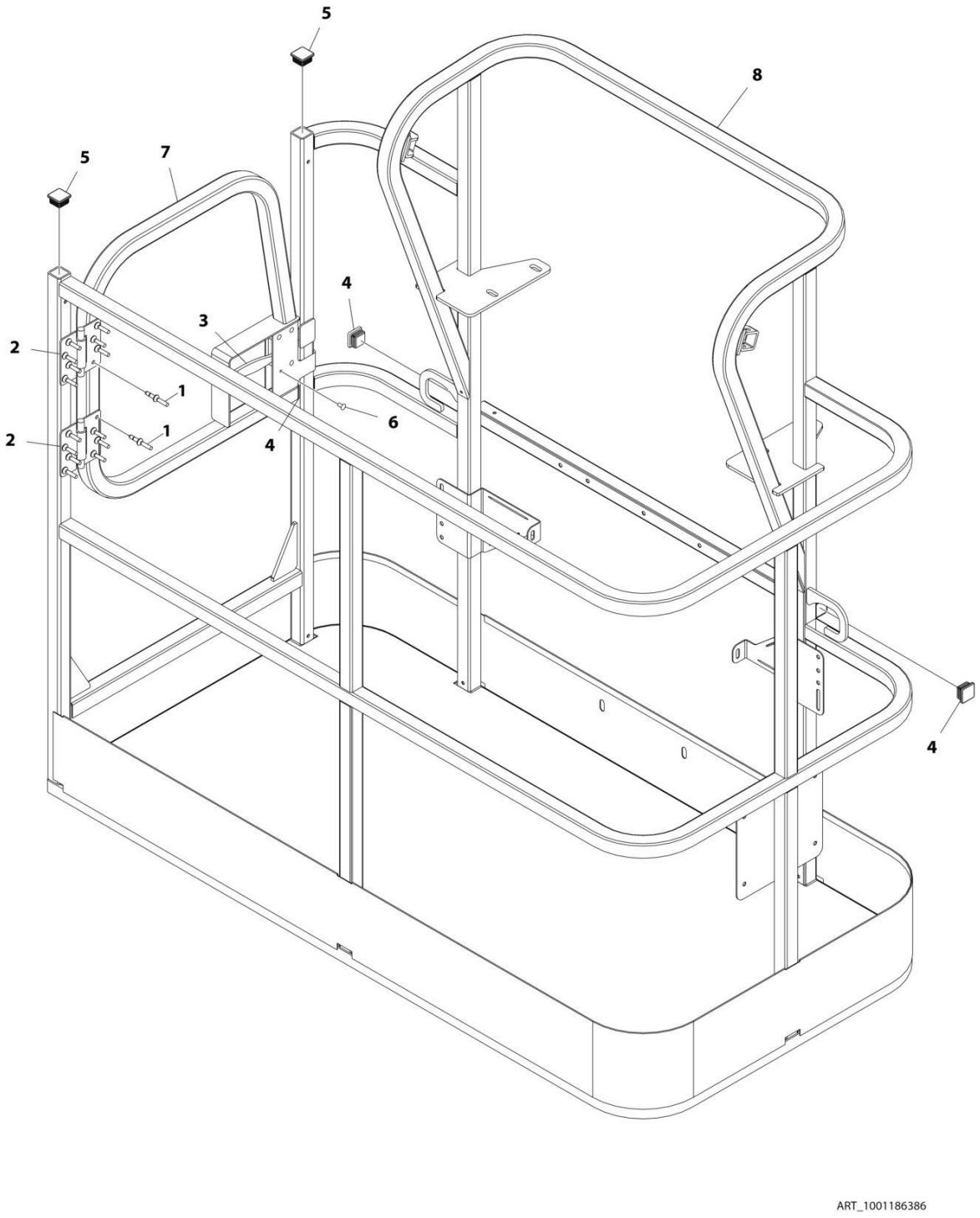


FIGURE 5-8. PLATFORM ASSEMBLY WITH GATE - 30IN X 5FT (76CM X 1.52M) (USA BUILT MACHINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186386	Ref	PLATFORM ASSEMBLY	C
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge, Self-Closing	
3	2940074	1	Latch	
4	3520072	3	Plug	
5	3520198	2	Plug	
6	3820020	4	Rivet	
7	1001144629	1	Gate	
8	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-9. PLATFORM ASSEMBLY WITH GATE - 30IN X 5FT (76CM X 1.52M) (ROMANIAN BUILT MACHINES)

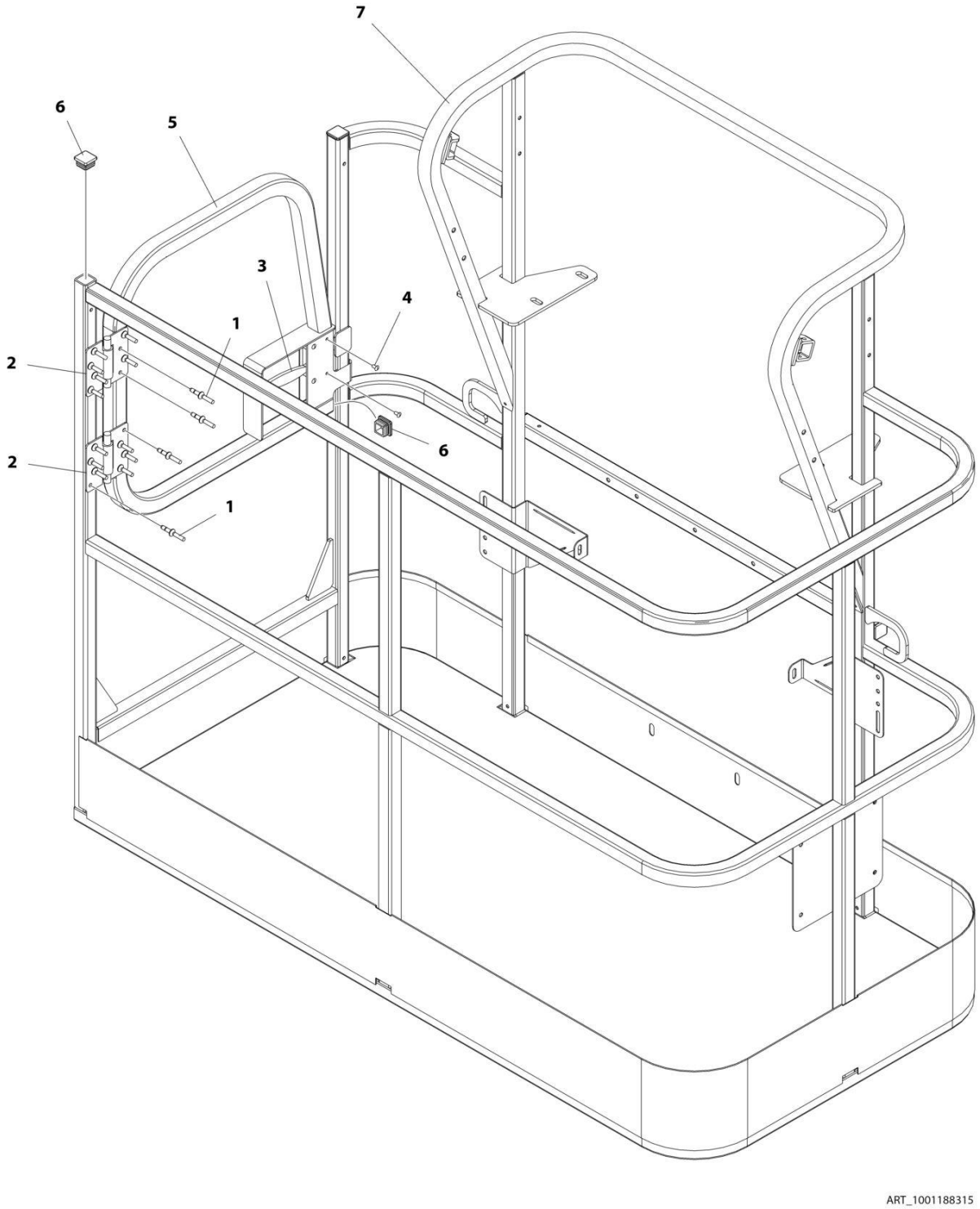


FIGURE 5-9. PLATFORM ASSEMBLY WITH GATE - 30IN X 5FT (76CM X 1.52M) (ROMANIAN BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188315	Ref	PLATFORM ASSEMBLY	E
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge	
3	2940074	1	Latch	
4	3820020	4	Rivet	
5	1001144629	1	Gate	
6	1001145781	5	Plug	
7	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-10. PLATFORM ASSEMBLY WITH GATE- 36IN X 6FT (91.5CM X 1.83M) (USA BUILT MACHINES)

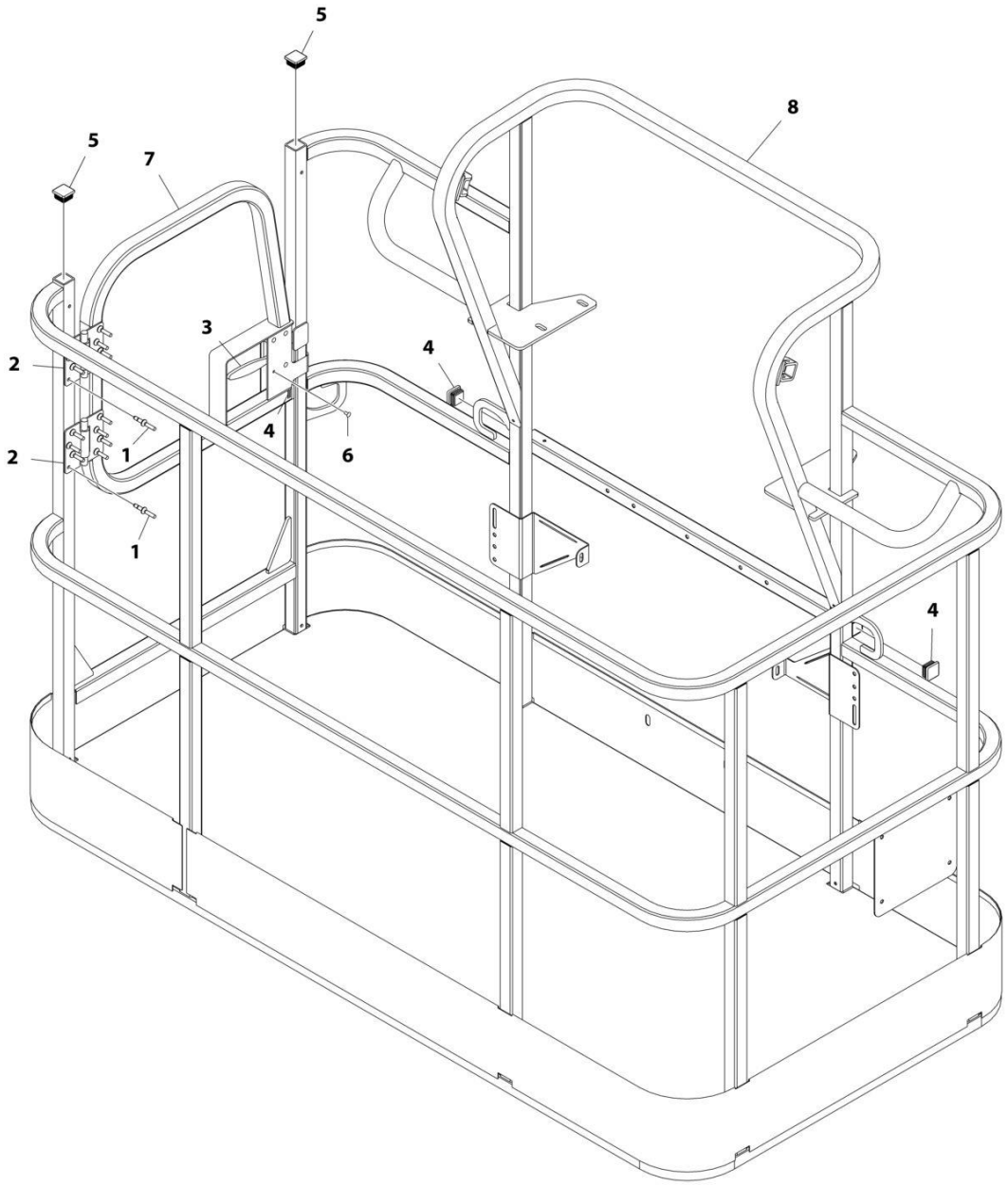


FIGURE 5-10. PLATFORM ASSEMBLY WITH GATE- 36IN X 6FT (91.5CM X 1.83M) (USA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186384	Ref	PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE	C
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge	
3	2940074	1	Latch	
4	3520072	3	Plug	
5	3520198	2	Plug	
6	3820020	4	Rivet	
7	1001144629	1	Gate	
8	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-11. PLATFORM ASSEMBLY WITH GATE - 36IN X 6FT (91.5CM X 1.83M) (USA BUILT MACHINES)

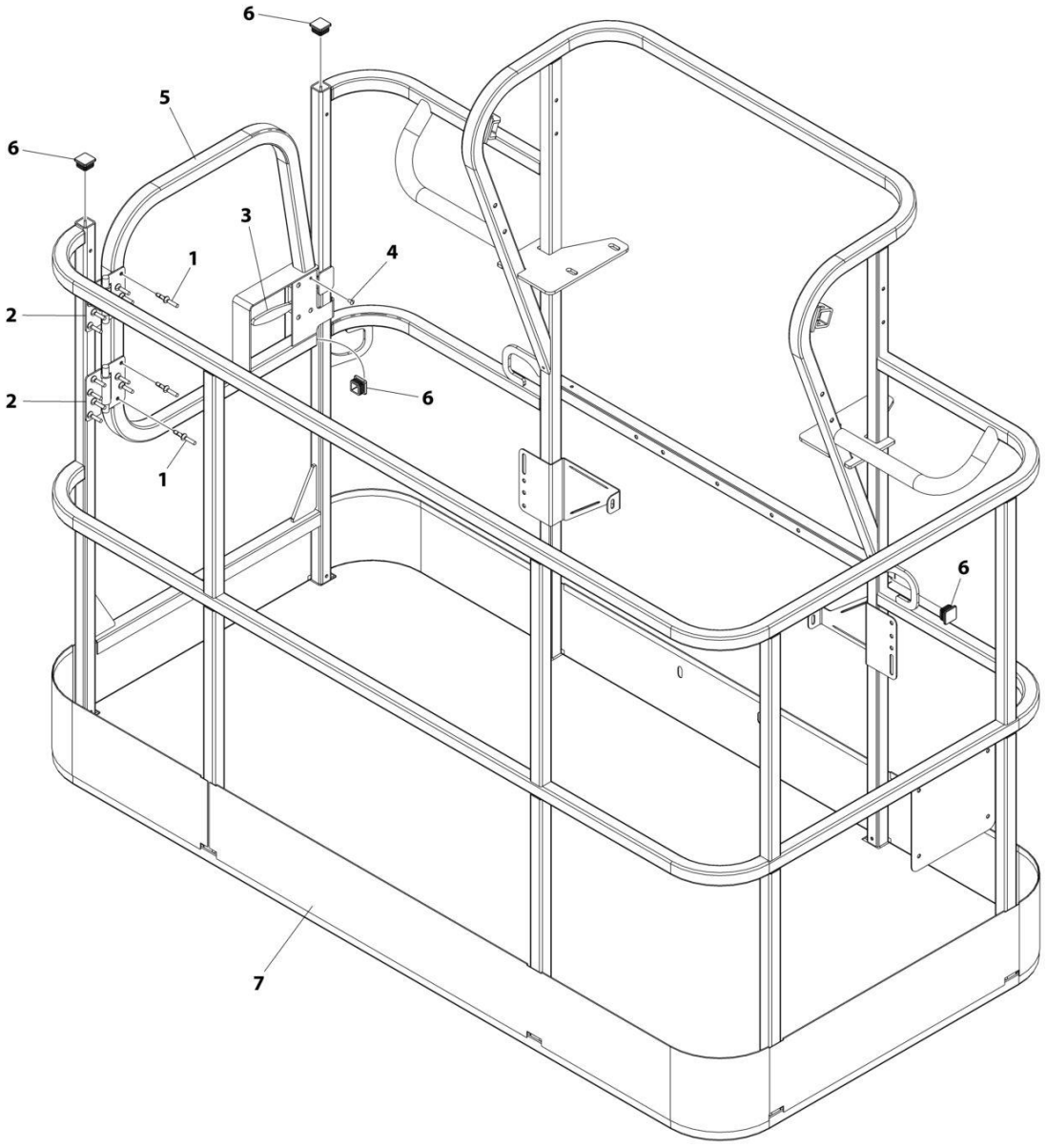


FIGURE 5-11. PLATFORM ASSEMBLY WITH GATE - 36IN X 6FT (91.5CM X 1.83M) (USA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188305	Ref	PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE	D
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge	
3	2940074	1	Latch	
4	3820020	4	Rivet	
5	1001144629	1	Gate	
6	1001145781	5	Plug	
7	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-12. PLATFORM ASSEMBLY WITH GATE - 36IN X 8FT (91.5CM X 2.44M) (USA BUILT MACHINES)

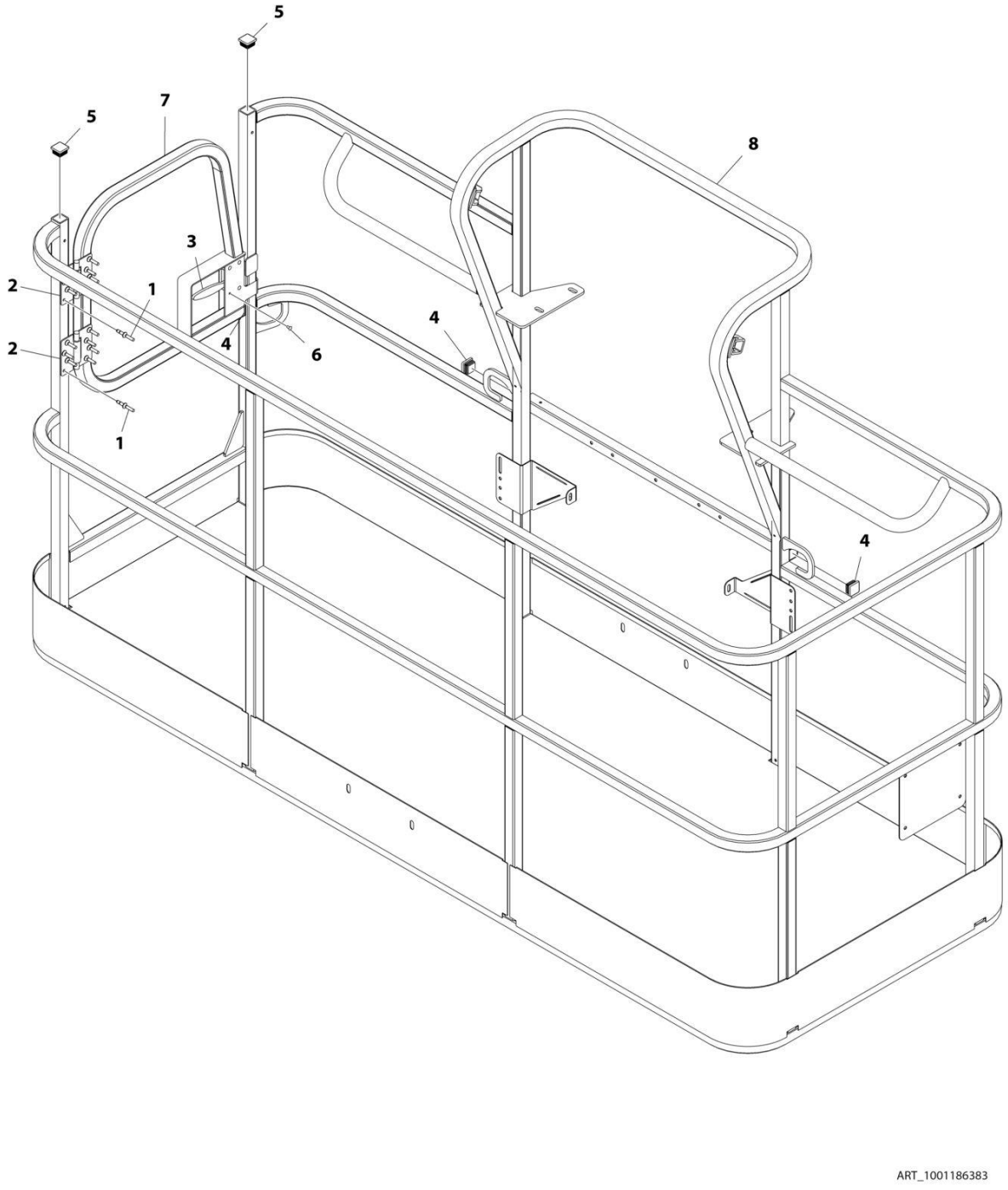


FIGURE 5-12. PLATFORM ASSEMBLY WITH GATE - 36IN X 8FT (91.5CM X 2.44M) (USA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186383	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE	D
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge	
3	2940074	1	Latch	
4	3520072	3	Plug	
5	3520198	2	Plug	
6	3820020	4	Rivet	
7	1001144629	1	Gate	
8	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-13. PLATFORM ASSEMBLY WITH GATE - 36IN X 8FT (91.5CM X 2.44M) (ROMANIAN BUILT MACHINES)

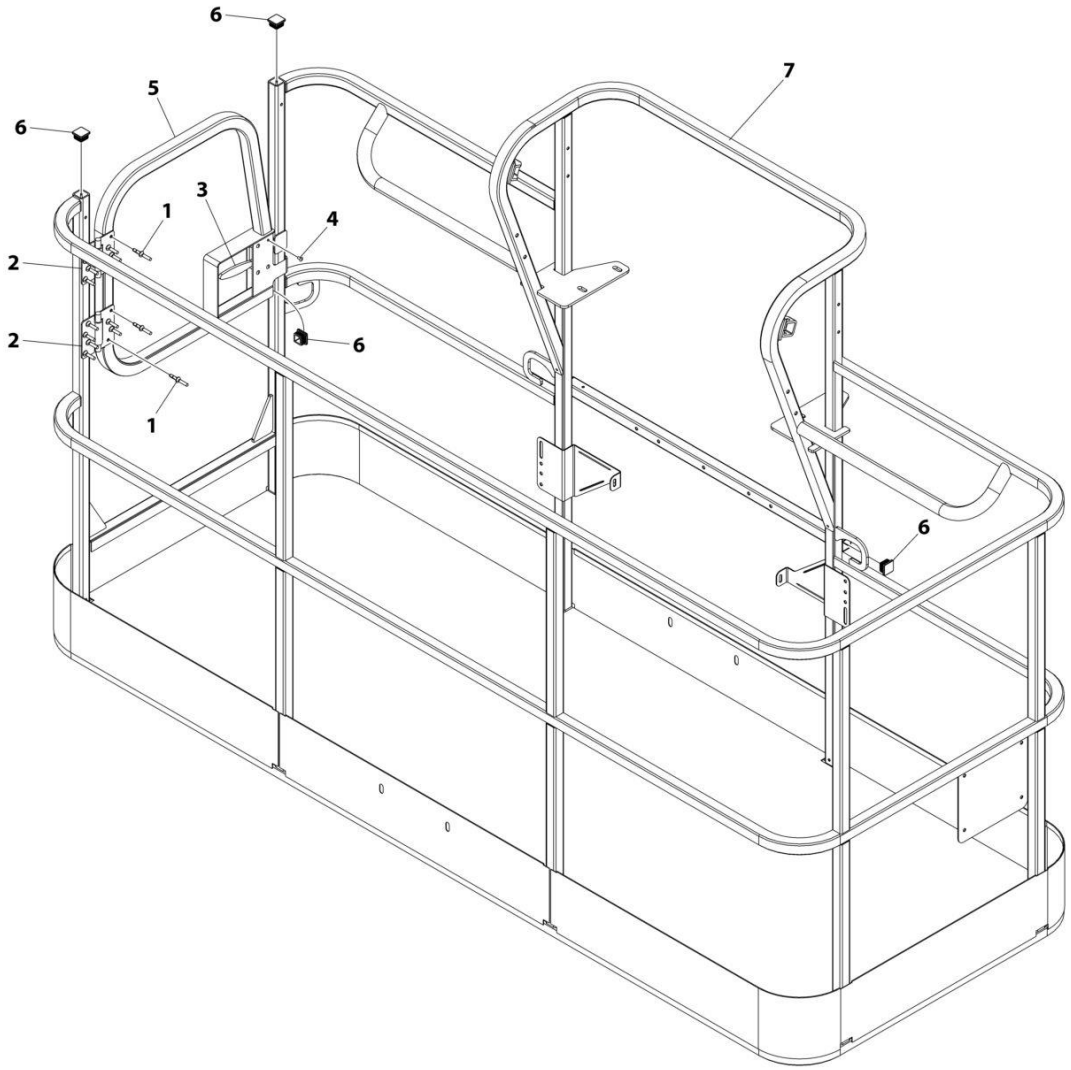


FIGURE 5-13. PLATFORM ASSEMBLY WITH GATE - 36IN X 8FT (91.5CM X 2.44M) (ROMANIAN BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188308	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE	F
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge	
3	2940074	1	Latch	
4	3820020	4	Rivet	
5	1001144629	1	Gate	
6	1001145781	5	Plug	
7	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

SECTION 5 - PLATFORM

FIGURE 5-14. PLATFORM ASSEMBLY WITH FALL ARREST - 36IN X 6FT (91.5CM X 1.83M)

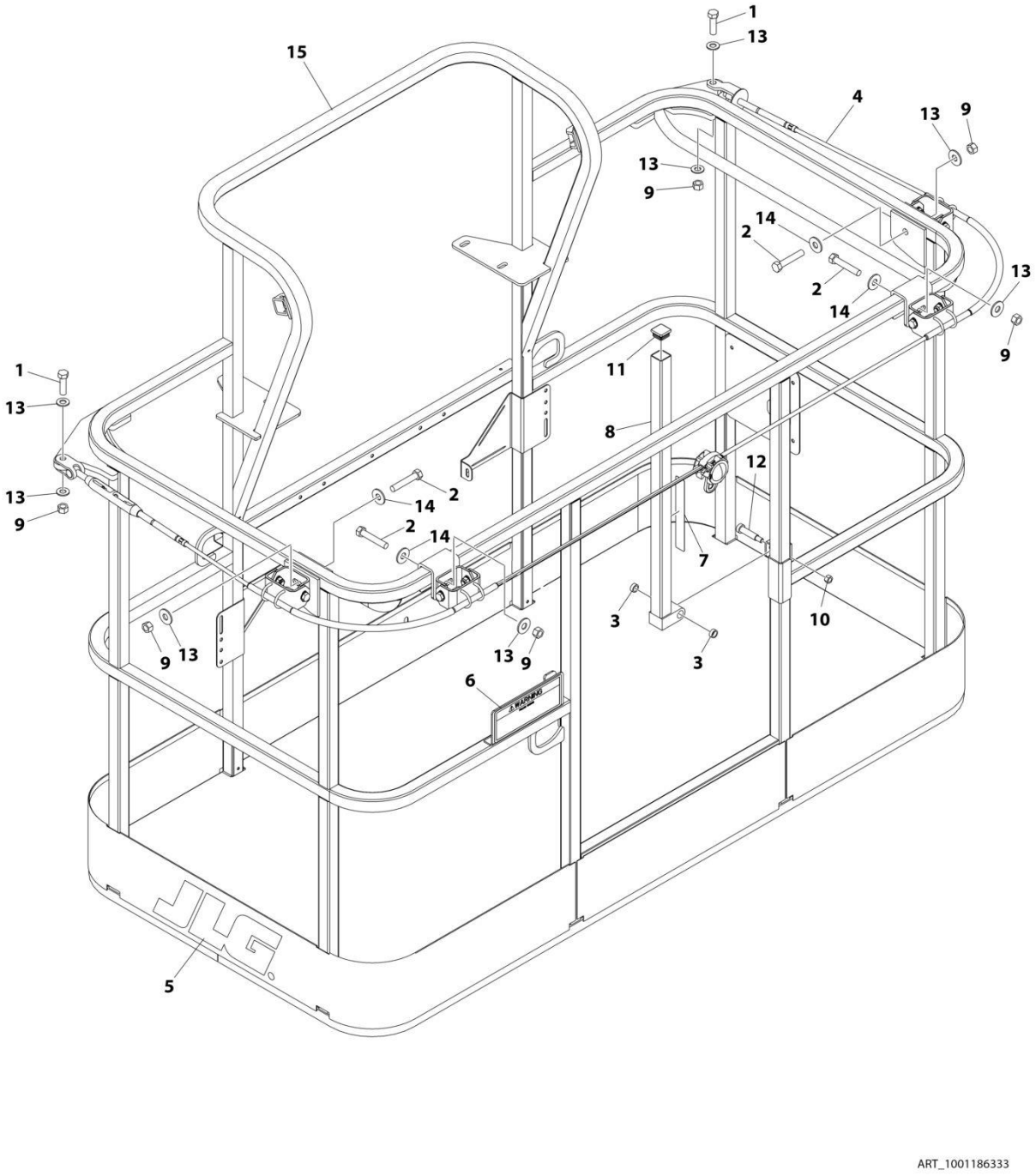


FIGURE 5-14. PLATFORM ASSEMBLY WITH FALL ARREST - 36IN X 6FT (91.5CM X 1.83M)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186333	Ref	PLATFORM ASSEMBLY	C
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0681814	2	Bolt 1/2 x 1-3/4 Grade 8	
2	0681822	4	Bolt 1/2 x 2-3/4 Grade 8	
3	0962270	2	Bearing	
4	1001203655	1	Cable	
5	1702773	1	Decal - JLG	
6	1705014	1	Decal - Safety	
7	1706385	1	Decal - Drop Bar	
8	2410014	1	Bar, Drop	
9	3271805	6	Nut 1/2 Grade 8	
10	3311605	1	Nut 3/8	
11	3520072	1	Plug	
12	3900054	1	Bolt 1/2 x 1-3/4	
13	4711800	8	Washer 1/2	
14	4751800	4	Washer 1/2	
15	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-15. PLATFORM ASSEMBLY WITH TRI-ENTRY (1 GATE / 2 DROP BARS) - 36IN X 6FT (91.5CM X 1.83M)

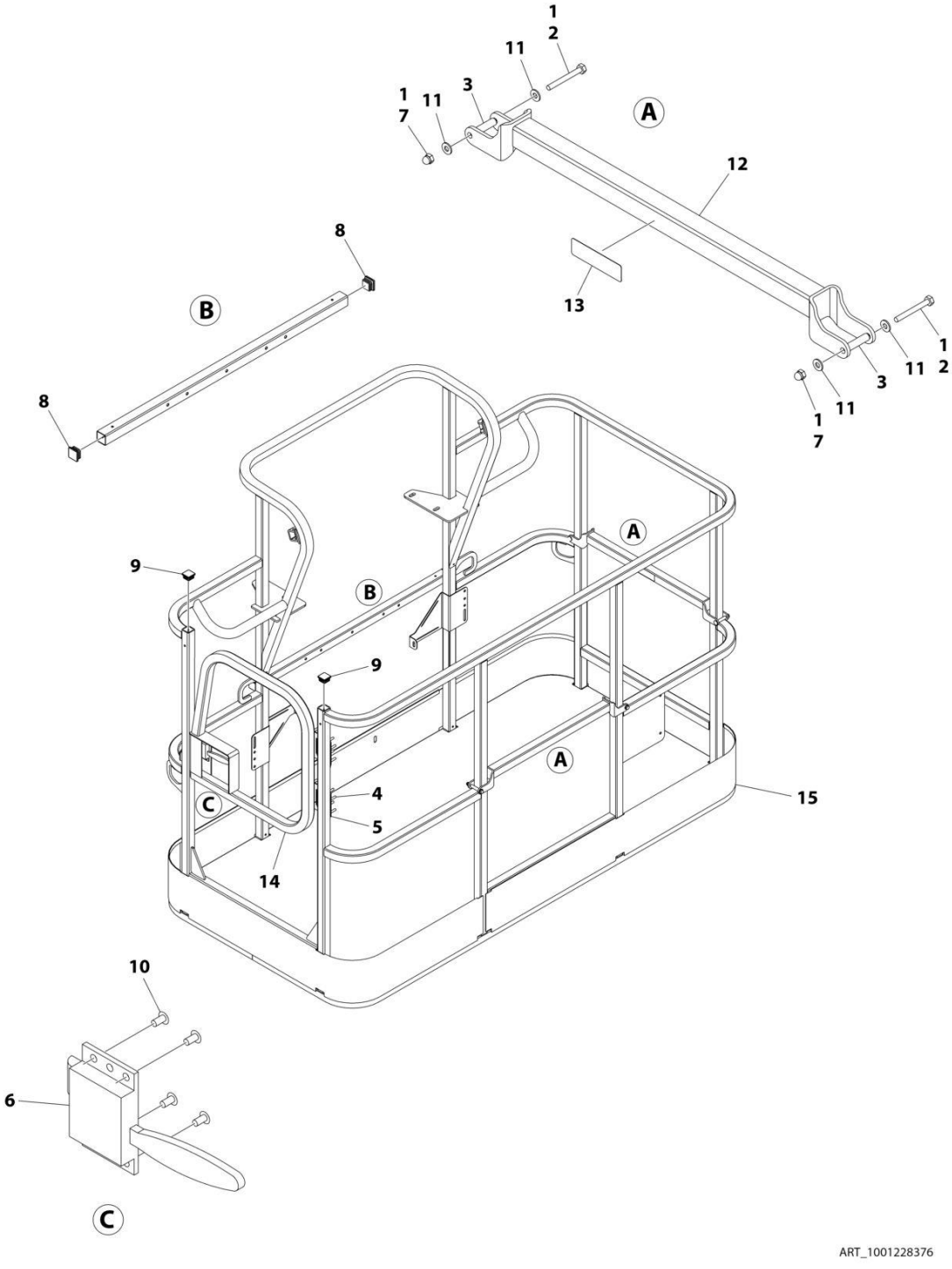


FIGURE 5-15. PLATFORM ASSEMBLY WITH TRI-ENTRY (1 GATE / 2 DROP BARS) - 36IN X 6FT (91.5CM X 1.83M)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228376	Ref	PLATFORM ASSEMBLY - 36IN x 6FT (91.5CM x 1.83M)	B
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	4	Bolt 1/4 x 2-1/4	
3	0961845	4	Bushing	
4	2080040	16	Fastener	
5	2600281	2	Hinge	
6	2940074	1	Latch	
7	3300151	4	Nut 1/4	
8	3520072	3	Plug	
9	3520198	2	Plug	
10	3820020	4	Rivet	
11	4711400	8	Washer 1/4	
12	1001138494	2	Bar, Drop	
13	1001140429	2	Decal - Drop Bar	
14	1001144629	1	Gate	
15	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-16. PLATFORM ASSEMBLY WITH TRI-ENTRY (1 GATE/2 DROP BARS) - 36IN X 8FT (91.5CM X 2.44M)

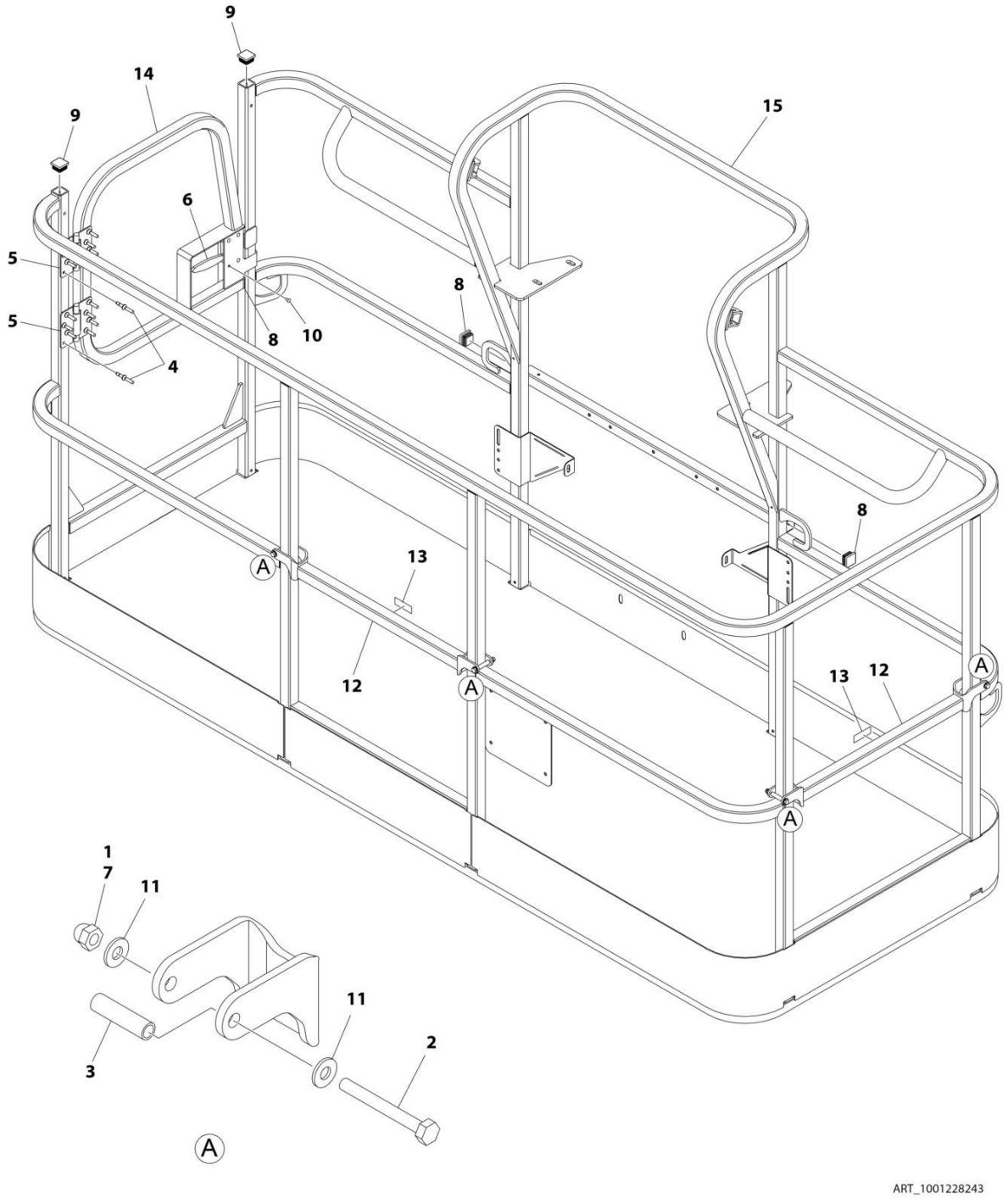


FIGURE 5-16. PLATFORM ASSEMBLY WITH TRI-ENTRY (1 GATE/2 DROP BARS) - 36IN X 8FT (91.5CM X 2.44M)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228243	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY	A
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
1	0100011	AR	Compound, Locking	
2	0641418	4	Bolt 1/4 x 2-1/4	
3	0961845	4	Bushing	
4	2080040	16	Fastener, Huck	
5	2600281	2	Hinge, Self-Closing	
6	2940074	1	Latch	
7	3300151	4	Nut 1/4	
8	3520072	3	Cap, Plug	
9	3520198	2	Cap, Plug	
10	3820020	4	Rivet	
11	4711400	8	Washer 1/4	
12	1001138494	2	Bar, Drop	
13	1001140429	2	Decal - Drop Bar	
14	1001144629	1	Gate, Weldment	
15	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

SECTION 5 - PLATFORM

FIGURE 5-17. PLATFORM ASSEMBLY WITH TRI-ENTRY (3 DROP BARS) - 36IN X 6FT (91.5CM X 1.83M)

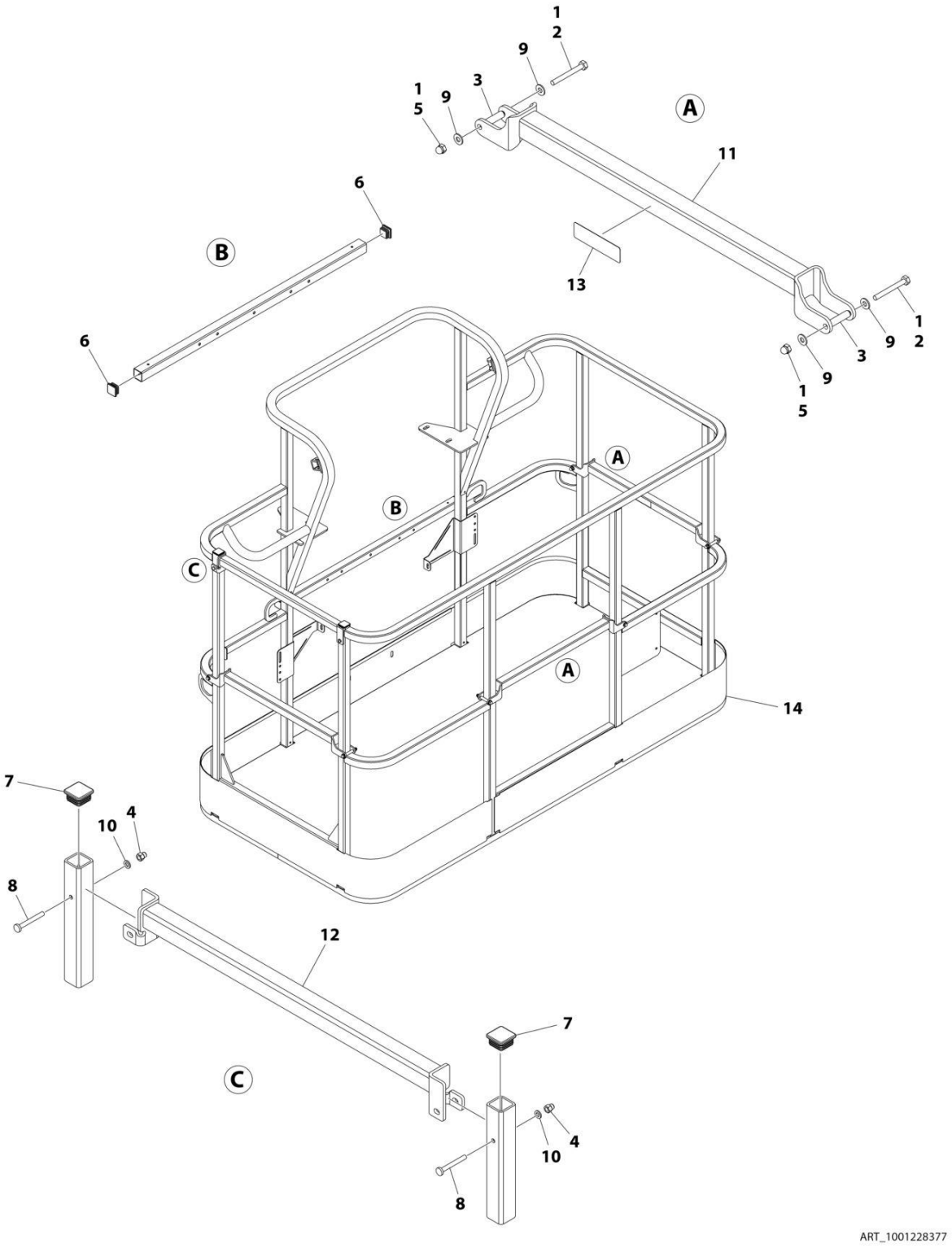


FIGURE 5-17. PLATFORM ASSEMBLY WITH TRI-ENTRY (3 DROP BARS) - 36IN X 6FT (91.5CM X 1.83M)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228377	Ref	PLATFORM ASSEMBLY - 36IN x 6FT (91.5CM x 1.83M)	B
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0100011	1	Compound, Locking	
2	0641418	6	Bolt 1/4 x 2-1/4	
3	0961845	6	Bushing	
4	3290606	2	Nut M6	
5	3300151	6	Nut 1/4	
6	3520072	2	Plug	
7	3520198	2	Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	12	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	3	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	3	Decal - Drop Bar	
14	See Note	NSS	Platform, Weldment (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-18. PLATFORM ASSEMBLY WITH TRI-ENTRY (3 DROP BARS) - 36IN X 8FT (91.5CM X 2.44M)

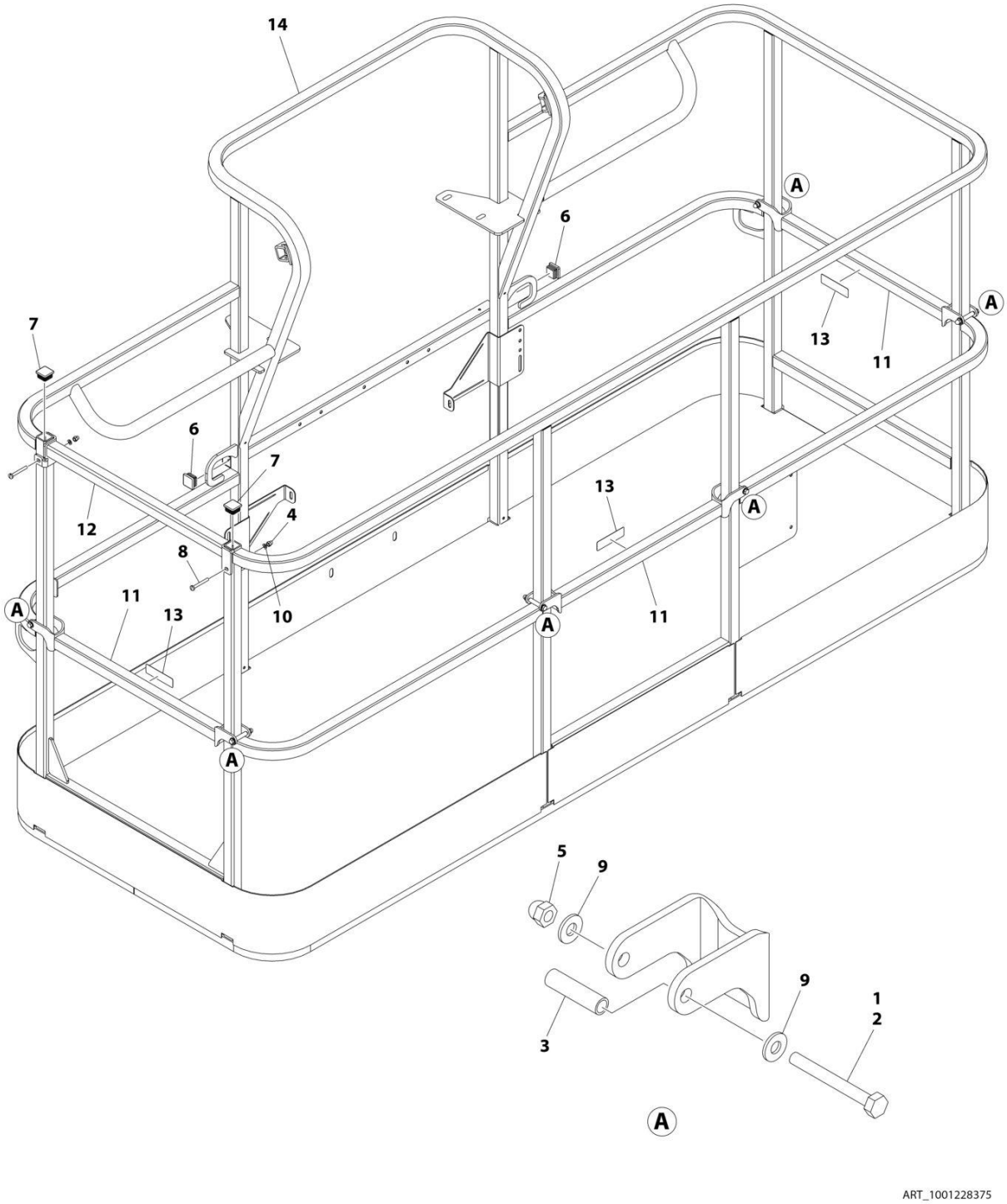


FIGURE 5-18. PLATFORM ASSEMBLY WITH TRI-ENTRY (3 DROP BARS) - 36IN X 8FT (91.5CM X 2.44M)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228375	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY	A
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	6	Bolt 1/4 x 2-1/4	
3	0961845	6	Bushing	
4	3290606	2	Nut M6 x 1	
5	3300151	6	Nut 1/4	
6	3520072	2	Cap, Plug	
7	3520198	2	Cap, Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	12	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	3	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	3	Decal - Drop Bar	
14	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-19. CONSOLE AND FOOT SWITCH INSTALLATION

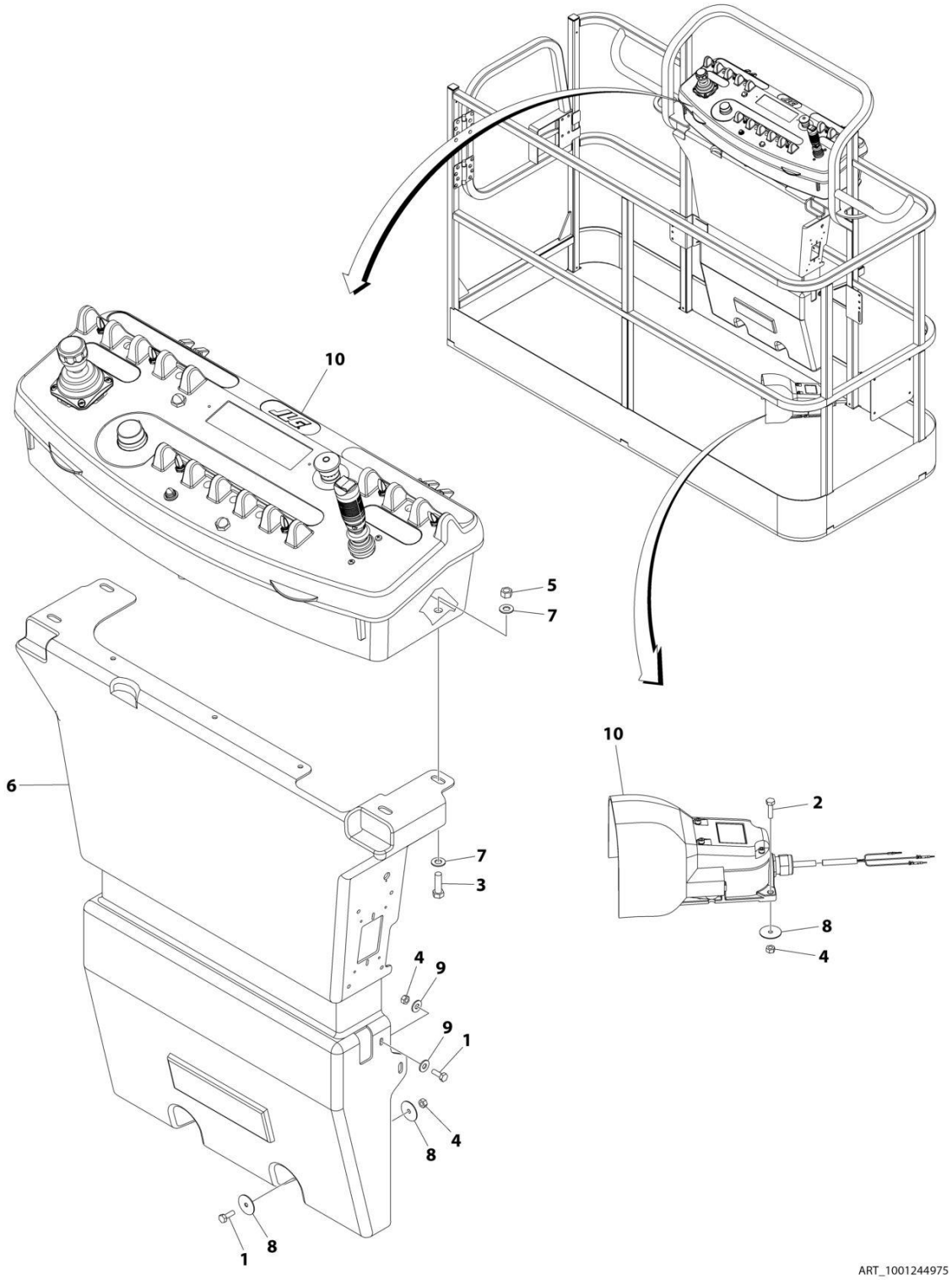


FIGURE 5-19. CONSOLE AND FOOT SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244975	Ref	PLATFORM CONSOLE BOX INSTALLATION	A
1	0641406	4	Bolt, 1/4 x 3/4	
2	0641408	3	Bolt, 1/4 x 1	
3	0641610	4	Bolt, 3/8 x 1-1/4	
4	3311405	7	Nut, Lock 1/4	
5	3311605	4	Nut, Lock 3/8	
6	3380434	1	Panel, Decal Mount	
7	4751600	8	Washer, 3/8	
8	4740362	7	Washer, 1/4	
9	4751400	4	Washer, 1/4	
10	1001244976	1	Platform Console Box Assembly (See Separate Breakdown in this Section)	

FIGURE 5-20. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH

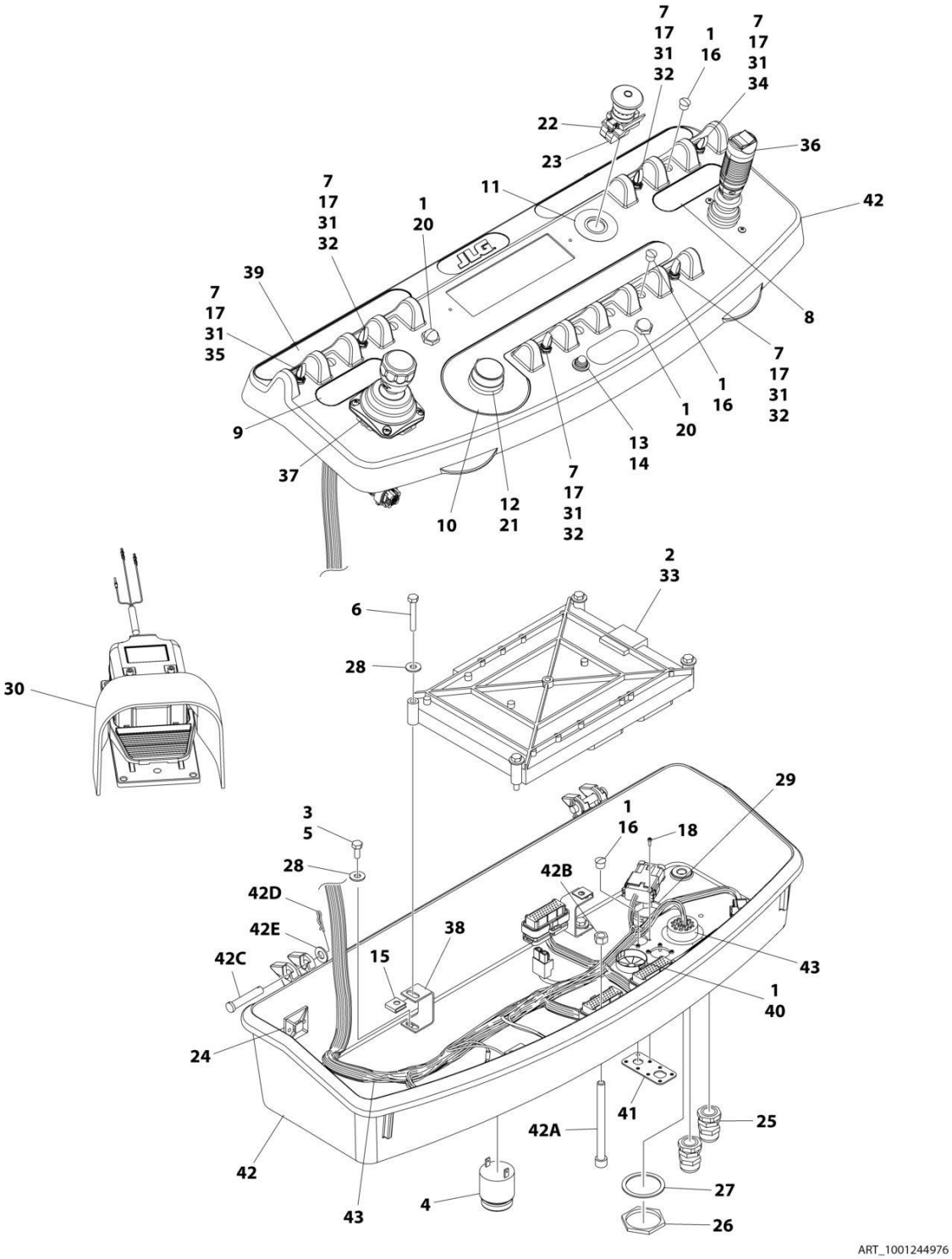


FIGURE 5-20. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244976	Ref	PLATFORM CONSOLE BOX ASSEMBLY	A
1	0100009	AR	Sealant	
2	0100048	AR	Adhesive	
3	0100035	AR	Compound, Locking	
4	0140011	1	Alarm	
5	0641405	4	Bolt 1/4 x 5/8	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	4740397	6	Spacer	
8	1702565	1	Decal - Drive and Steer	
9	1702566	1	Decal - Lift and Swing	
10	1702567	1	Decal - Function Speed	
11	1704260	1	Decal - EMS	
12	2560136	1	Handle, Knob	
13	2920028	1	Light, Indicator	
14	2920029	1	Bulb, Light	
15	3300353	4	Nut, Tinnerman	
16	3520054	7	Plug	
17	3790012	6	O-Ring	
18	3900349	8	Screw M2.5	
19	4240099	AR	Tie-Strap (Not Shown)	
20	4360387	2	Switch, Pushbutton	
21	4360407	1	Switch, Potentiometer	
22	4360475	1	Switch, Emergency	
22	7020175	1	Cap, Red	
22	7020176	1	Contact Block	
23	4360476	1	Block, Contact	
24	4460234	6	Terminal	
25	4460428	2	Connector, Strain Relief	
26	4460470	1	Nut, Terminal	
27	4460471	1	Washer	
28	4751400	8	Washer 1/4	
29	1001110434	1	Plug	
30	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	
31	1001155044	6	Nut 15/32	
32	1001155045	4	Switch, Toggle	
33	1001157196	1	Controller, Module (Note: Re-calibration Required when Replaced)	
34	1001159256	1	Switch, Toggle	
35	1001161709	1	Switch, Toggle	
36	1001166538	NLA	Controller Assembly (Drive and Steer) (Use p/n 1001212415) (See Separate Breakdown in this Section)	
37	1001166539	1	Controller Assembly (Lift and Swing) (See Separate Breakdown in this Section)	
38	1001172760	4	Bracket	
39	1001184626	1	Decal - Horn	
40	1001185281	1	Plug	
41	1001213882	1	Connector Mount	
42	1001215228	1	Platform Console Box	
42A	0630568	1	Capscrew 3/8 x 4-1/2	
42B	3311601	1	Nut 3/8	
42C	3430616	2	Pin	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42D	3470003	2	Hairpin	
42E	4711600	2	Washer 3/8	
43	1001238254	1	Harness, Platform Console Box (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 5-21. FOOTSWITCH ASSEMBLY

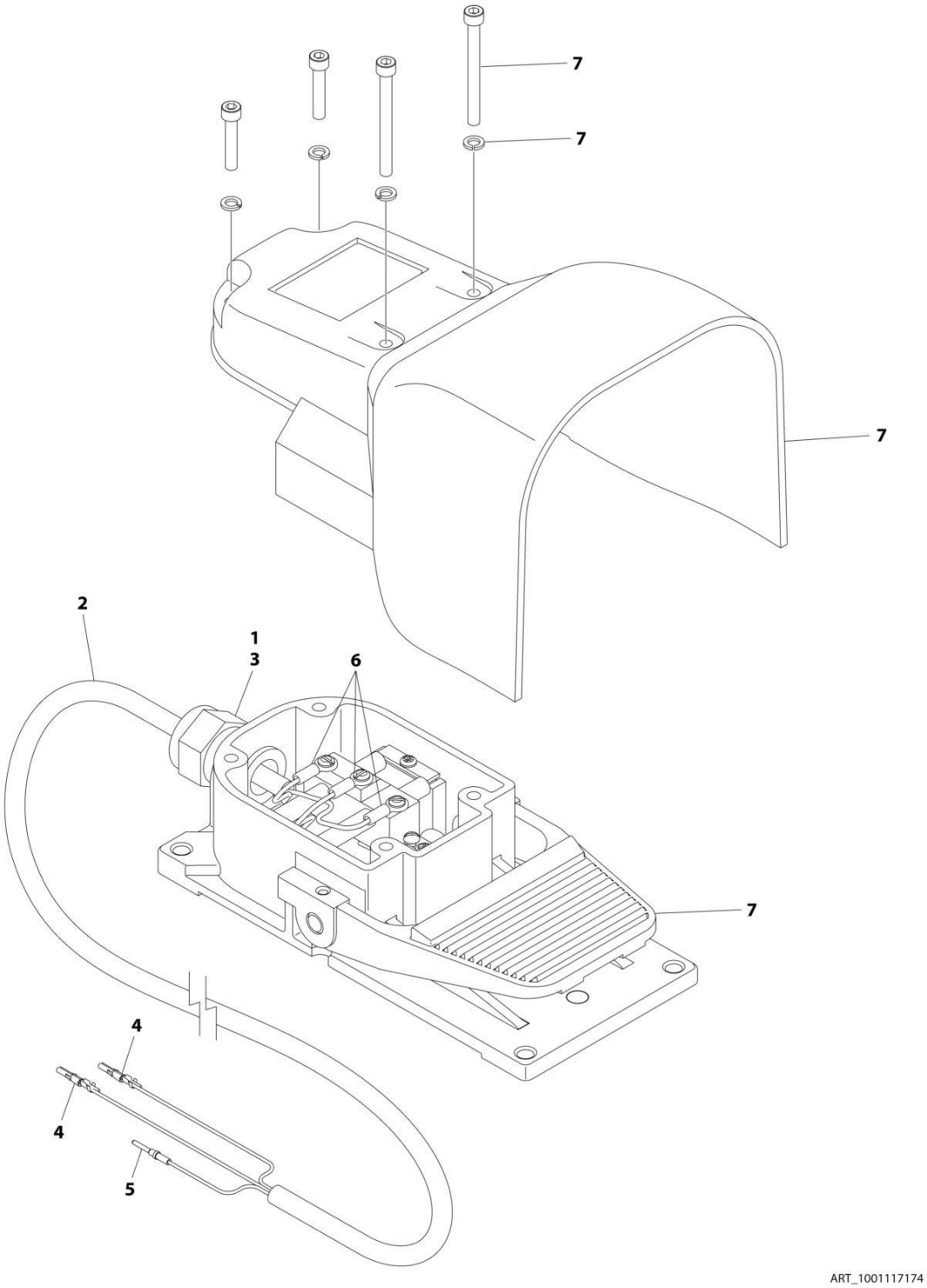


FIGURE 5-21. FOOTSWITCH ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117174	Ref	FOOTSWITCH ASSEMBLY	C
1	0100020	AR	Sealant	
2	1060918	7.5 ft/ 2.3m	Cable, Electrical - 18/3	
3	4460071	1	Connector, Strain Relief	
4	4460226	2	Socket, Female	
5	4460464	1	Pin, Male	
6	1001098122	3	Terminal	
7	1001117172	1	Footswitch	
7	70002902	1	Switch, 20Amp	
7	70002903	1	Gasket	
7	70002905	1	Cover	
7	70002904	1	Kit, Replacement Bolt	

FIGURE 5-22. CONTROLLER ASSEMBLY- DRIVE/STEER

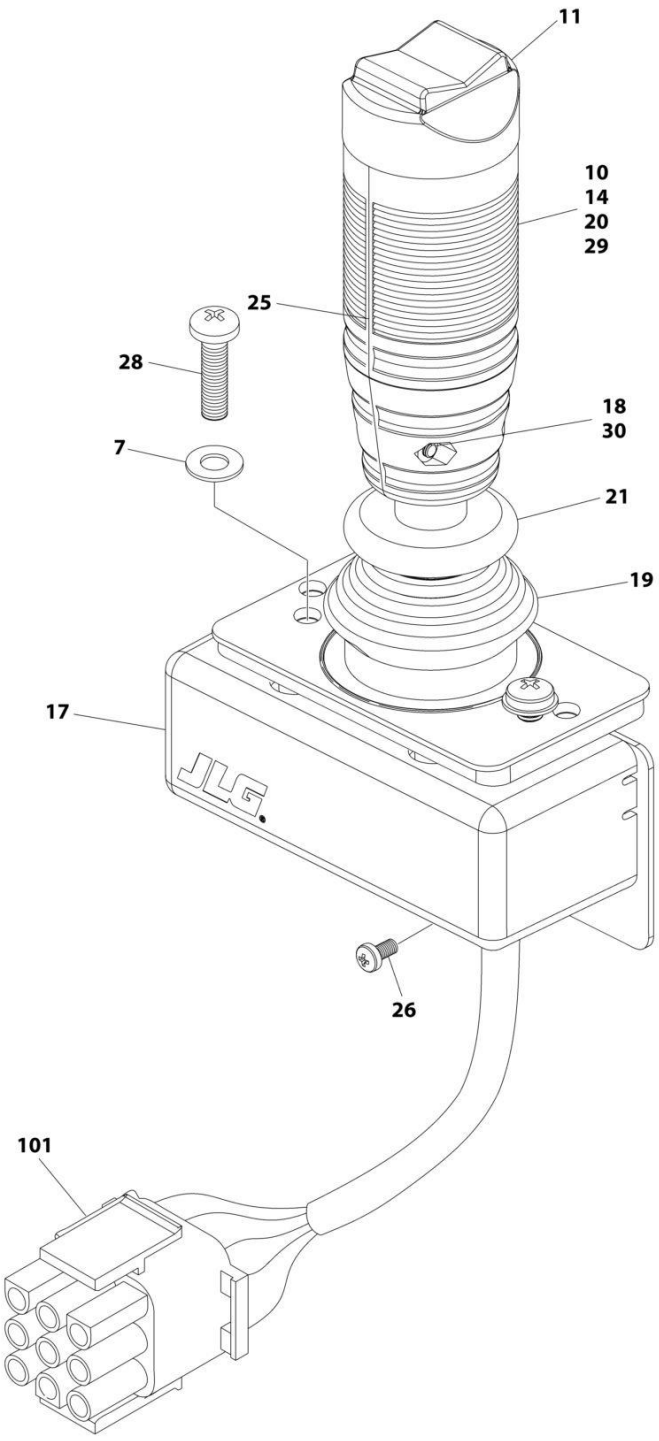


FIGURE 5-22. CONTROLLER ASSEMBLY- DRIVE/STEER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166538	Ref	CONTROLLER ASSEMBLY - DRIVE AND STEER	G
		Ref	Note: For Replacement, Use p/n 1001212415.	
7	70004738	2	Washer	
10	70004739	1	Roller	
11	70004740	1	Boot, Switch	
14	70004741	2	Half, Handle	
17	70004742	1	Enclosure	
18	70004743	4	Nut	
19	70004744	NLA	Boot, Controller (Use p/n 70005230 Boot/Base Assembly)	
20	70004745	NLA	Tube, Locking (Use p/n 70005230 Boot/Base Assembly)	
21	70004746	NLA	Disc, Locking (Use p/n 70005230 Boot/Base Assembly)	
25	70004747	2	Seal, Rope	
26	70004748	1	Screw M3 x 6	
28	70004749	2	Screw M5 x 20	
29	70004750	1	Pin, Dowel	
30	70004751	4	Screw M3 x 16	
101	4460265	1	Connector - 9 Position	
101	4460226	7	Socket, Female	

FIGURE 5-23. CONTROLLER ASSEMBLY - LIFT/SWING

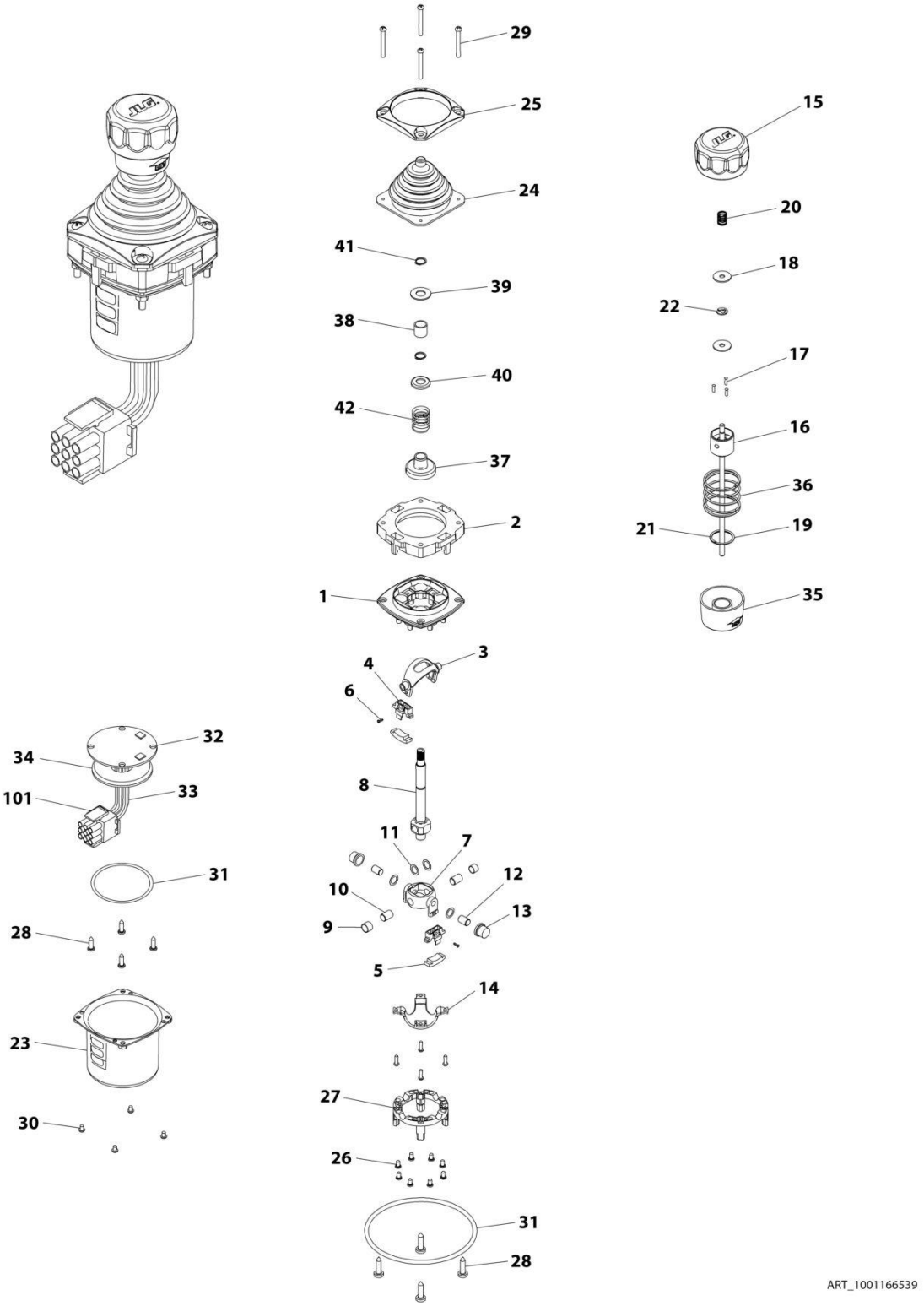


FIGURE 5-23. CONTROLLER ASSEMBLY - LIFT/SWING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166539	Ref	CONTROLLER ASSEMBLY	E
		Ref	Note: Original Equipment Controller May Have Been Replaced with Service Replacement Controller. Visually Identify Controller Before Ordering Parts.	
		Ref	Note: For Replacement, Use p/n 1001129555	
1	See Note	NSS	Main Cast Body (Note: Not Available - Purchase Complete Assembly)	
2	70004752	1	Adapter	
3	See Note	NSS	Pivot Arm, Plastic (Note: Not Available - Purchase Complete Assembly)	
4	See Note	NSS	Holder, Magnet (Note: Not Available - Purchase Complete Assembly)	
5	See Note	NSS	Arc, Magnet (Note: Not Available - Purchase Complete Assembly)	
6	See Note	NSS	Screw (Note: Not Available for Purchase)	
7	See Note	NSS	Pivot Arm, Cast (Note: Not Available - Purchase Complete Assembly)	
8	See Note	NSS	Shaft, Main (Note: Not Available - Purchase Complete Assembly)	
9	See Note	NSS	Bearing (Note: Not Available - Purchase Complete Assembly)	
10	See Note	NSS	Pin (Note: Not Available - Purchase Complete Assembly)	
11	See Note	NSS	Shim (Note: Not Available - Purchase Complete Assembly)	
12	See Note	NSS	Pin (Note: Not Available - Purchase Complete Assembly)	
13	See Note	NSS	Bearing (Note: Not Available - Purchase Complete Assembly)	
14	See Note	NSS	Dome, Centering (Note: Not Available - Purchase Complete Assembly)	
15	70004753	1	Cap	
16	70004754	1	Insert, Cap	
17	70004755	3	Pin	
18	70004756	2	Washer	
19	70004757	1	Pin, Centering	
20	70004758	1	Spring	
21	70004759	1	Ring, Retaining	
22	70004760	1	E-Ring	
23	70004761	1	Can, Enclosure	
24	70004762	1	Boot	
25	70004763	1	Bezel	
26	See Note	NSS	Screw (Note: Not Available for Purchase)	
27	See Note	NSS	Base Mounting (Note: Not Available - Purchase Complete Assembly)	
28	See Note	NSS	Screw (Note: Not Available for Purchase)	
29	70004764	4	Screw	
30	70004765	4	Screw	
31	70004766	1	O-Ring	
32	See Note	NSS	Plate (Note: Not Available - Purchase Complete Assembly)	
33	See Note	NSS	Harness (Note: Not Available - Purchase Complete Assembly)	
34	70004767	1	Grommet, Rubber	
35	70004768	1	Housing	
36	70004769	1	Spring	
37	70004770	1	Stopper	
38	70004771	1	Spacer	
39	70004772	1	Washer	
40	70004773	1	Disc	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	70004774	2	Ring, Retaining	
42	70004775	1	Spring	
101	4460265	1	Connector - 9 Position	
101	4460226	6	Socket, Female	

FIGURE 5-24. LIGHT PANEL INSTALLATION

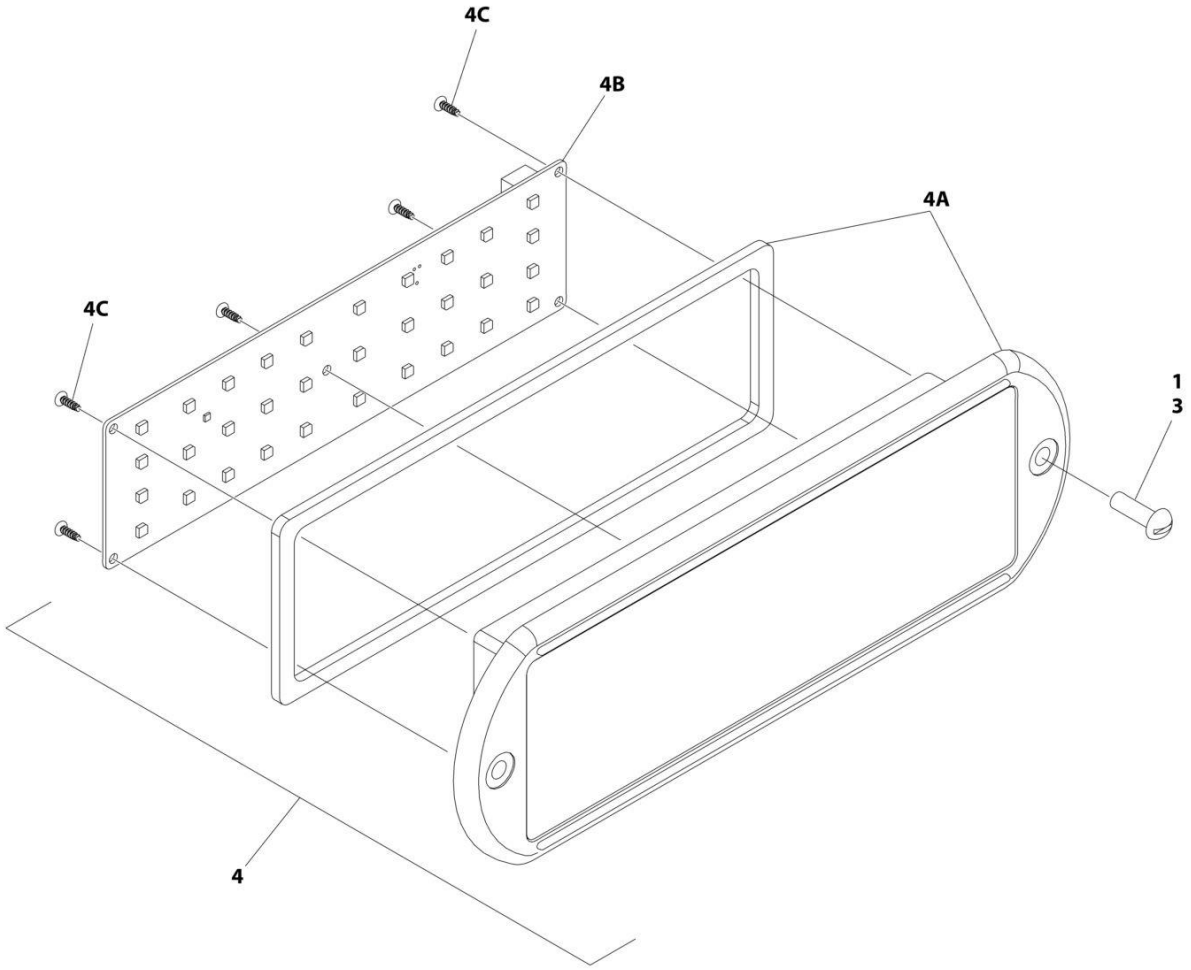


FIGURE 5-24. LIGHT PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233959	Ref	LIGHT PANEL INSTALLATION - PLATFORM CONSOLE	C
1	0100035	AR	Compound, Locking	
3	0630518	2	Screw #10 x 3/4	
4	1001237544	1	Light Panel Assembly	
4A	1001236087	1	Lens, I-Con (Includes Gasket)	
4B	1001187807	1	Panel, LED Light	
4C		Ref	Screw	

FIGURE 5-25. SKYEYE INSTALLATION

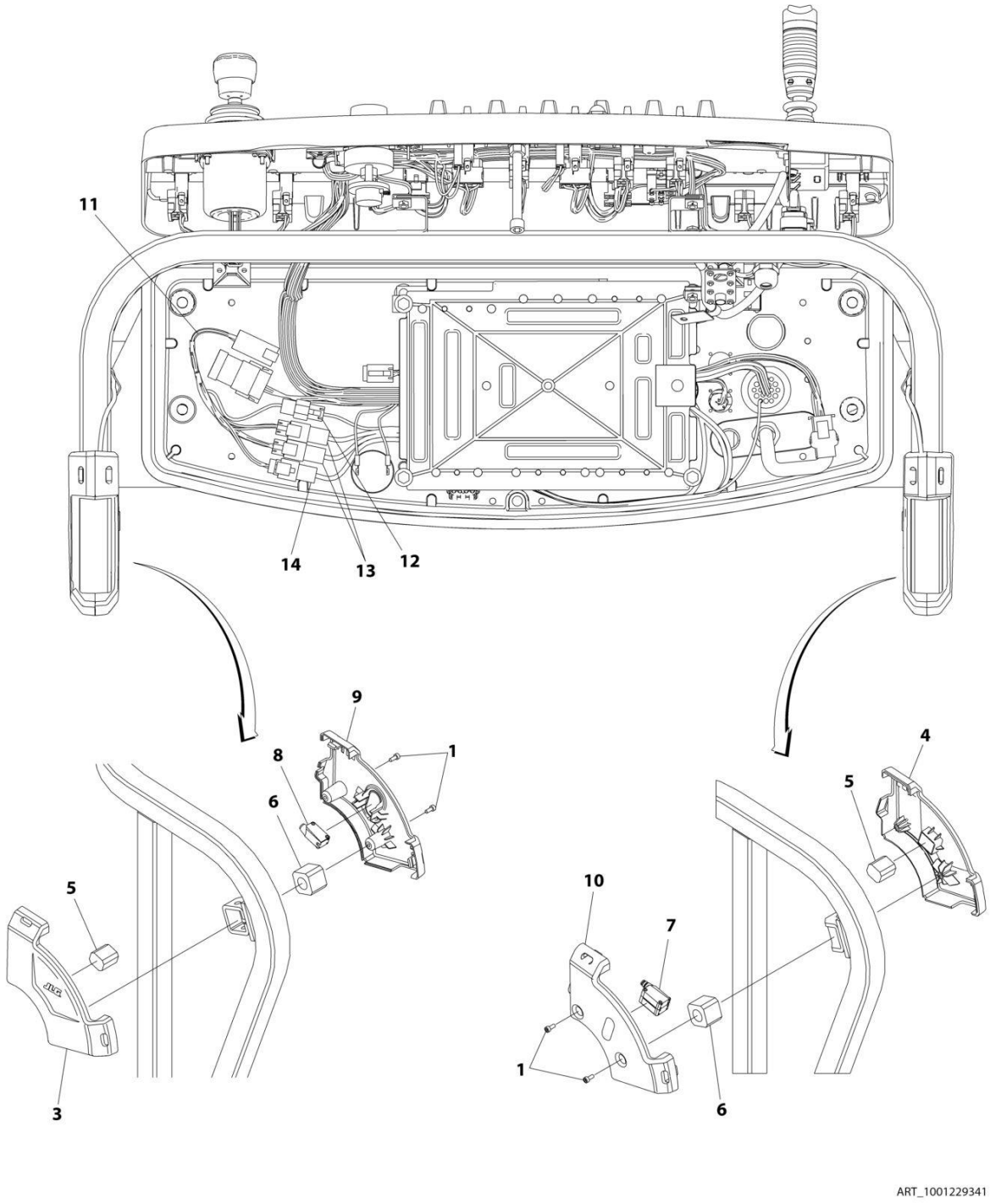


FIGURE 5-25. SKYEYE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229341	Ref	SKYEYE INSTALLATION	B
1	4031505	4	Bolt M4 x 10	
2	4240033	AR	Tie-Strap (Not Shown)	
3	1001227633	1	Housing, LH Outer	
4	1001227634	1	Housing, RH Outer	
5	1001227985	2	Shim	
6	1001227987	2	Shim	
7	1001228224	2	Sensor, Receiver	
8	1001228225	1	Sensor, Emitter	
9	1001232164	1	Housing, LH Inner	
10	1001232165	1	Housing, RH Inner	
11	1001237865	1	Harness, Skyeye Intermediate (See Separate Breakdown in ELECTRICAL Section)	
12	1001238319	NLA	Harness, Skyeye Drain Jumper	
12	1001187674	1	Plug, Male - 2 Position	
12	4460942	1	Terminal	
12	4460466	1	Plug, Terminal	
12	4460508	1	Pin, Male	
13	1001237863	2	Harness, Skyeye Receiver (See Separate Breakdown in ELECTRICAL Section)	
14	1001237864	1	Harness, Skyeye Emitter (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 5-26. SKYGUARD BAR INSTALLATION

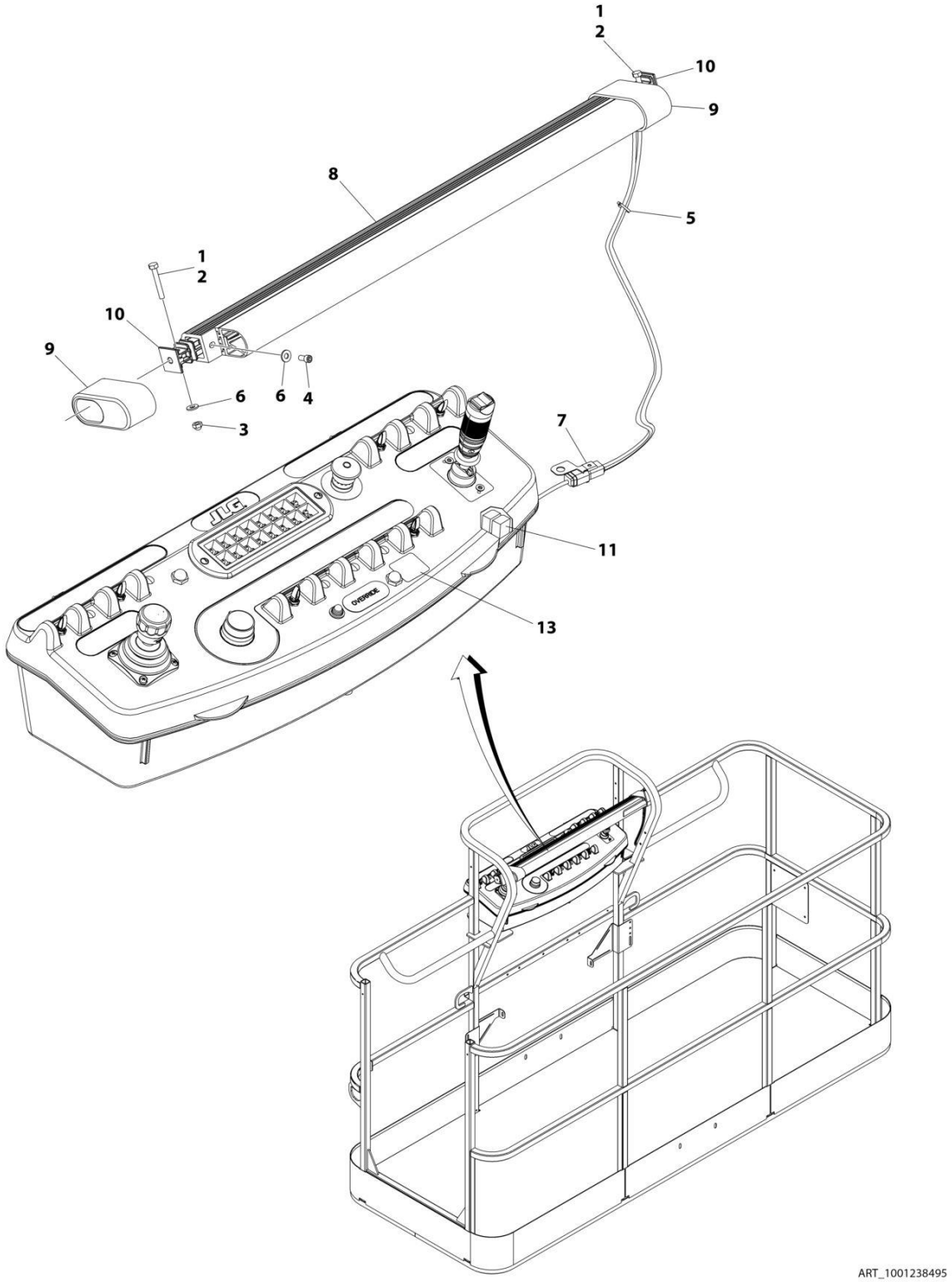


FIGURE 5-26. SKYGUARD BAR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238495	Ref	SKYGUARD BAR INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641414	2	Bolt 1/4 x 1-3/4	
3	3300430	2	Nut 1/4	
4	3931408	2	Capscrew 1/4 x 1/2	
5	4240033	8	Tie-Strap	
6	4711400	6	Washer 1/4	
7	1001120328	1	Mount	
8	1001137673	1	SkyGuard Switch Assembly	
9	1001186517	2	Cover, Platform Sensor	
10	1001209664	2	Support, Block	
11	1001186431	2	Relay	
12	1001225580	1	Interface Harness Assembly (Not Shown - Located Inside Console Box) (See Separate Breakdown in ELECTRICAL Section)	
13	1001144433	1	Decal - No Weight SkyGuard	

FIGURE 5-27. SKYLINE INSTALLATION (Prior to SN 0300278781, Prior to SN E300008842)

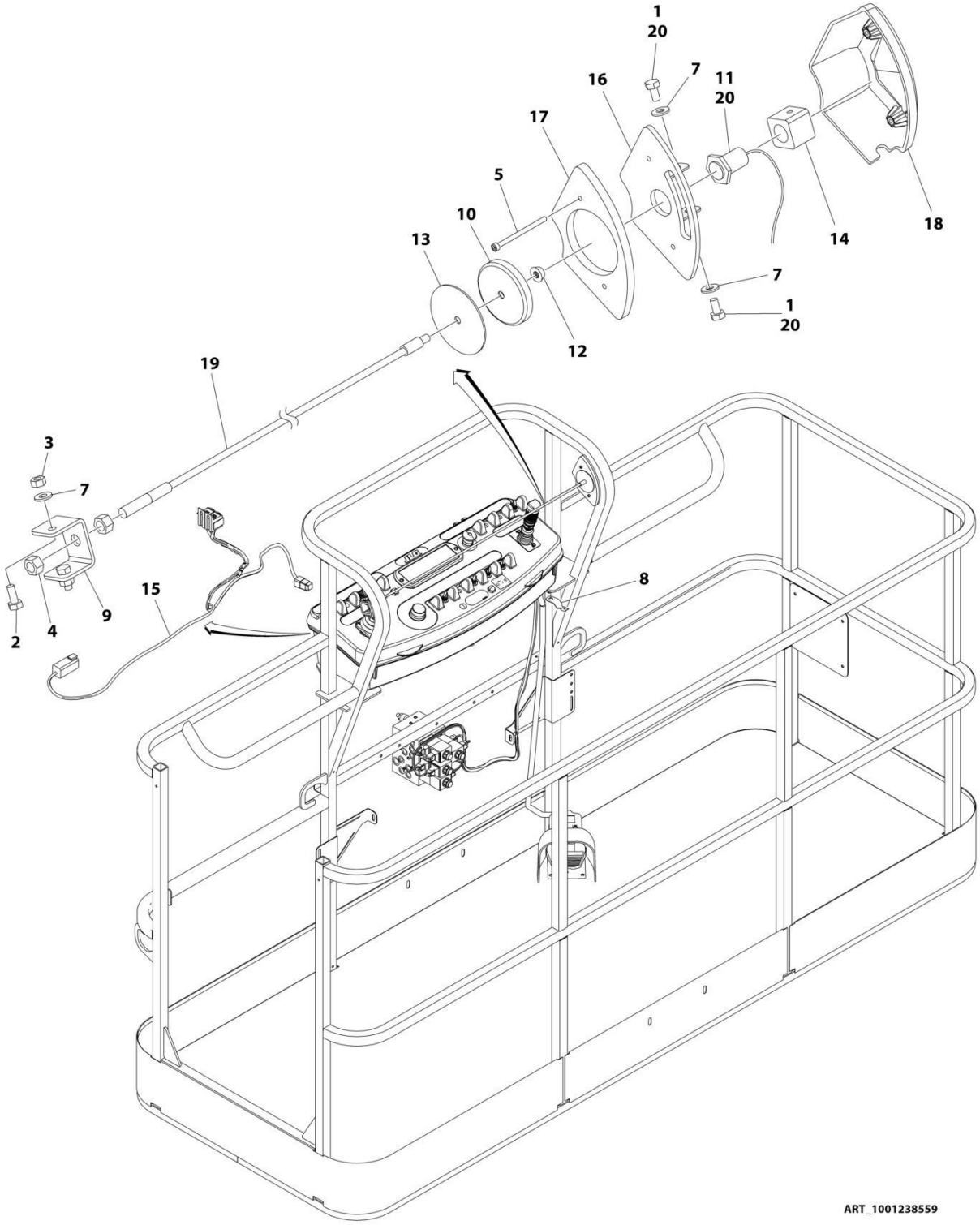


FIGURE 5-27. SKYLINE INSTALLATION (Prior to SN 0300278781, Prior to SN E300008842)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238559	Ref	SKYLINE INSTALLATION	B
1	0641404	2	Bolt 1/4 x 1/2	
2	0641405	2	Bolt 1/4 x 5/8	
3	3311405	2	Nut 1/4	
4	3311601	2	Nut 3/8	
5	4031516	2	Capscrew M4 x 60	
6	4240033	AR	Tie-Strap (Not Shown)	
7	4711400	4	Washer 1/4	
8	1001120328	1	Mount	
9	1001232642	1	Bracket	
10	1001232650	1	Magnet	
11	1001232667	1	Sensor, Proximity	
12	1001235011	1	Nut	
13	1001235013	1	Washer	
14	1001236552	1	Block	
15	1001238418	1	Harness, Skyline (See Separate Breakdown in ELECTRICAL Section)	
16	1001238472	1	Mount	
17	1001238477	1	Housing, LH	
18	1001241965	1	Housing, RH	
19	1001238824	1	Rope	
20	0100011	AR	Compound, Locking	

FIGURE 5-28. SKYLINE INSTALLATION (SN 0300278781 to Present, Including E300008843)

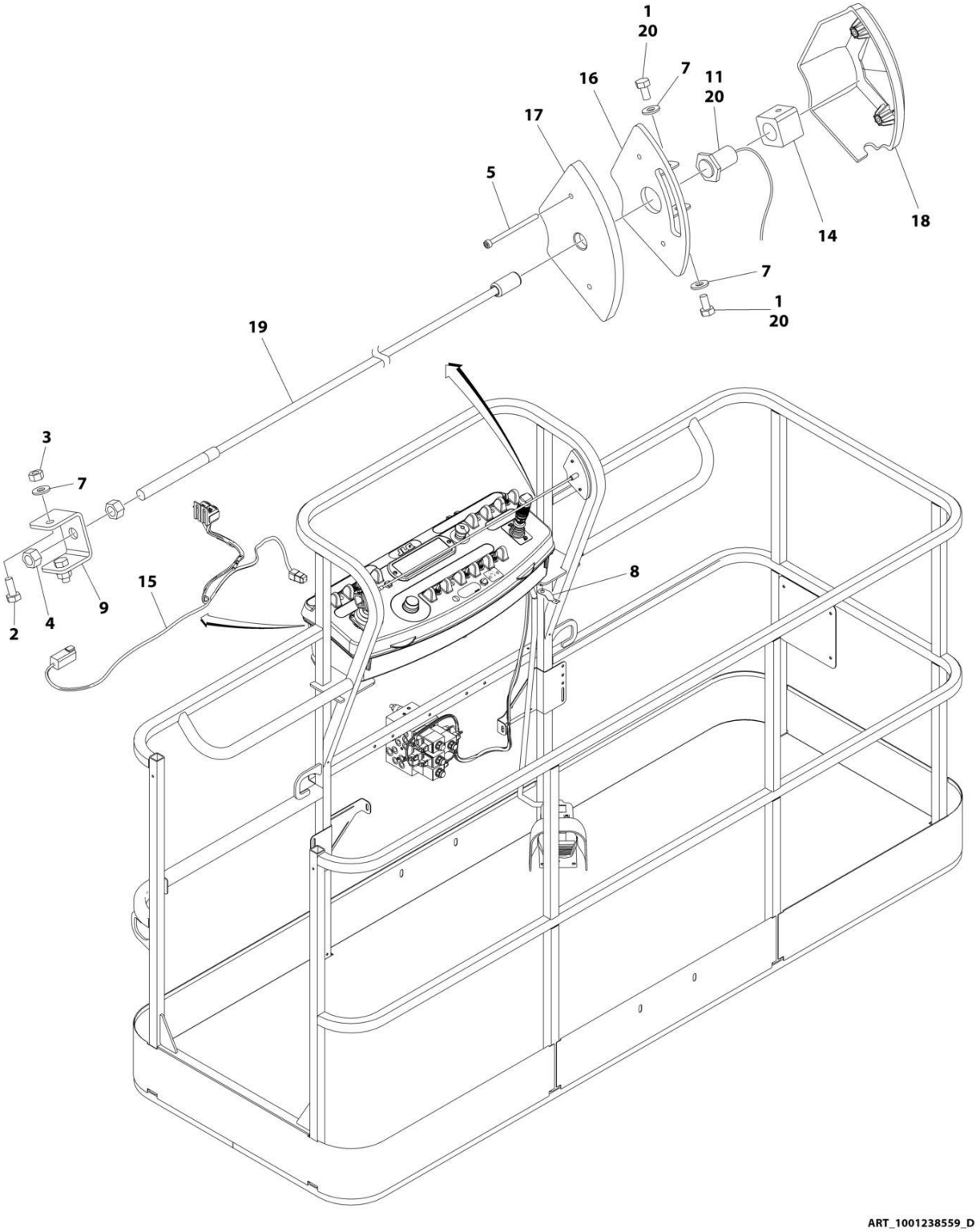


FIGURE 5-28. SKYLINE INSTALLATION (SN 0300278781 to Present, Including E300008843)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238559	Ref	SKYLINE INSTALLATION	D
1	0641404	2	Bolt 1/4 x 1/2	
2	0641405	2	Bolt 1/4 x 5/8	
3	3311405	2	Nut 1/4	
4	3311601	2	Nut 3/8	
5	4031516	2	Capscrew M4 x 60	
6	4240033	AR	Tie-Strap (Not Shown)	
7	4711400	4	Washer 1/4	
8	1001120328	1	Mount	
9	1001232642	1	Bracket	
11	1001232667	1	Sensor, Proximity	
14	1001236552	1	Block	
15	1001238418	1	Harness, Skyline (See Separate Breakdown in ELECTRICAL Section)	
16	1001238472	1	Mount	
17	1001254473	1	Housing, LH	
18	1001241965	1	Housing, RH	
19	1001254472	1	Rod	
20	0100011	AR	Compound, Locking	

FIGURE 5-29. STORAGE TRAY INSTALLATION - CENTER

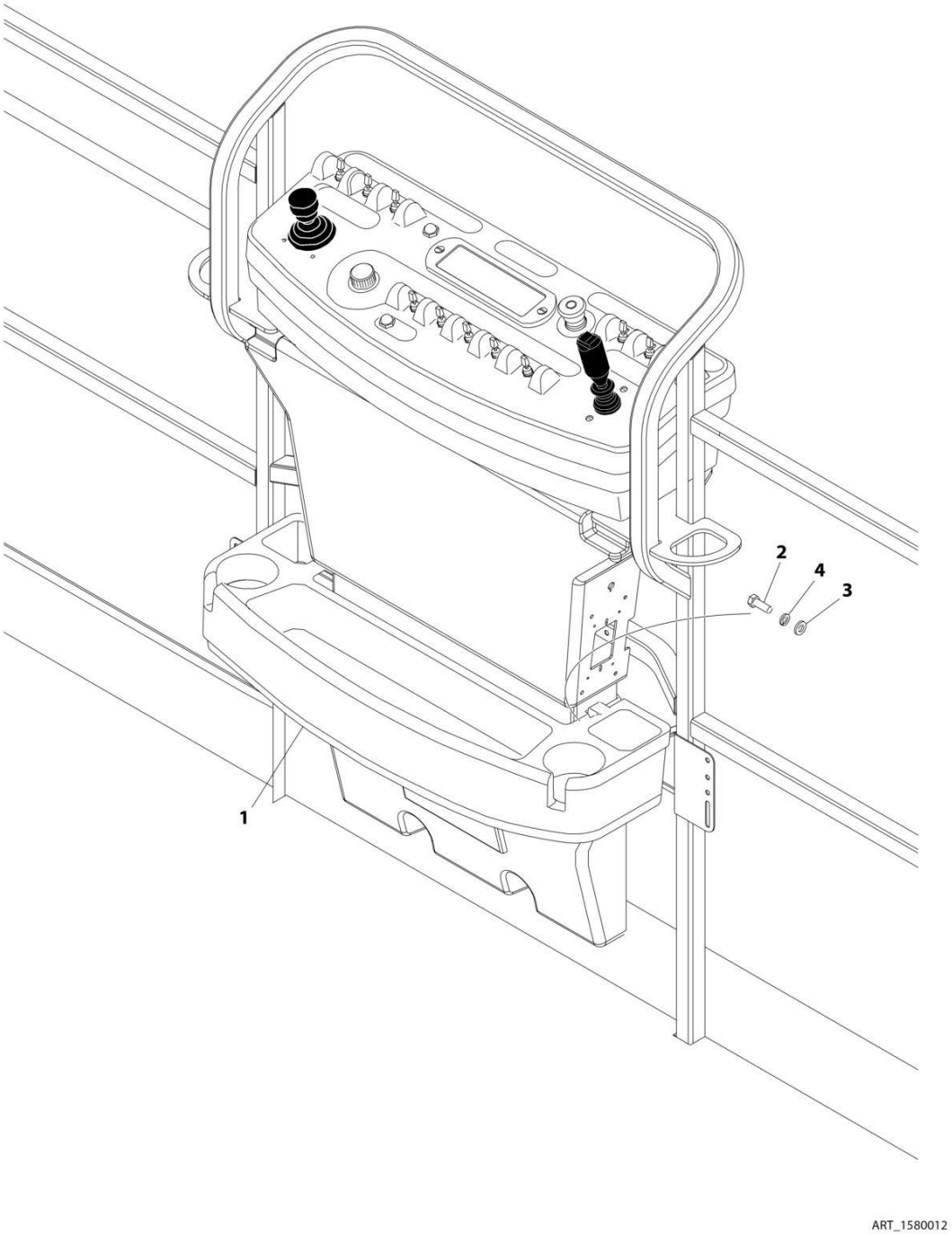


FIGURE 5-29. STORAGE TRAY INSTALLATION - CENTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1580012	Ref	TRAY ASSEMBLY	C
1	See Note	NSS	Tray, Storage (Center) (Note: Purchase p/n 1580012)	
2	0641406	2	Bolt 1/4 x 3/4	
3	4751400	2	Washer 1/4	
4	4761400	2	Washer 1/4	

FIGURE 5-30. SKYWELDER INSTALLATION (50HZ)

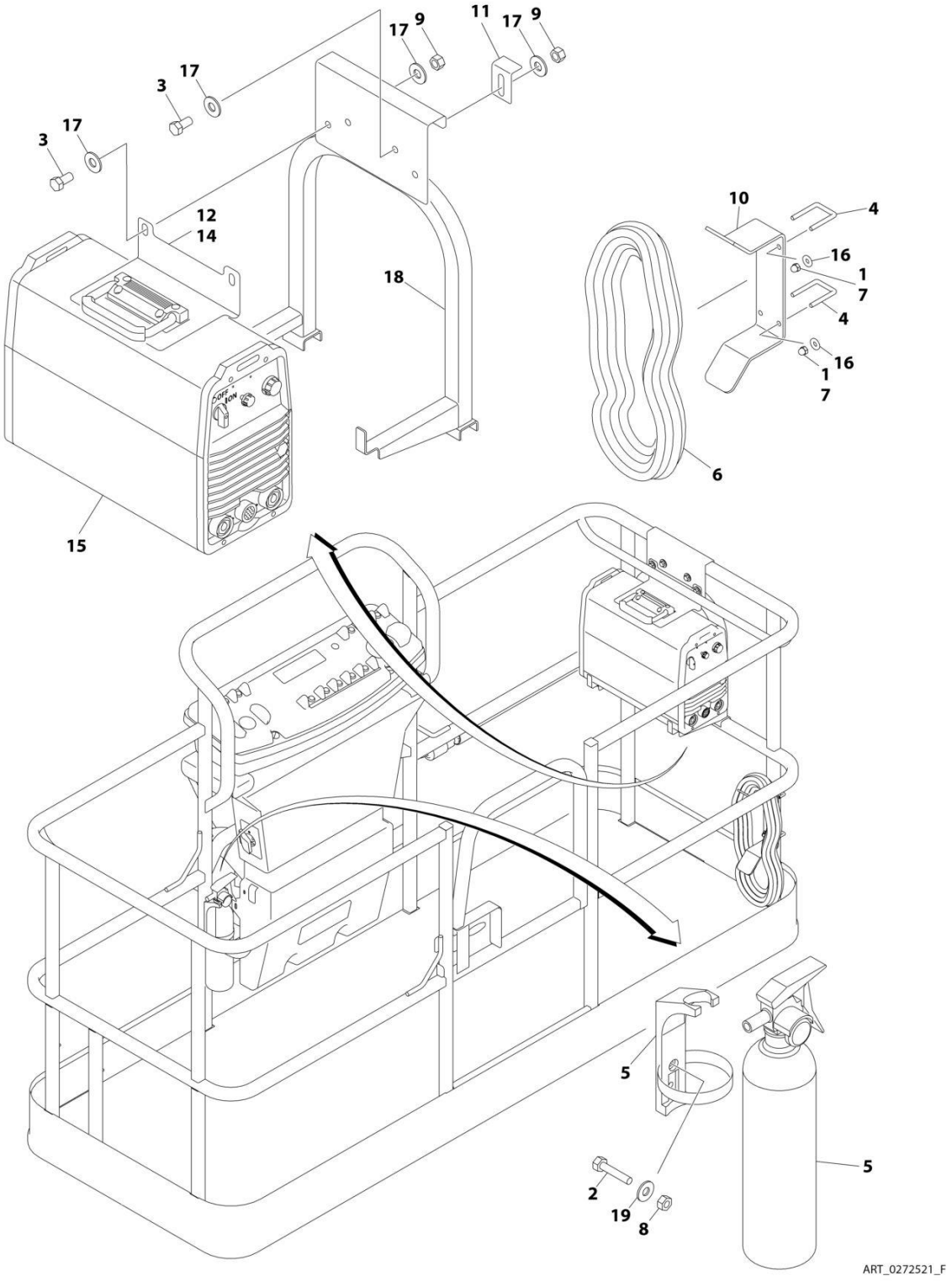


FIGURE 5-30. SKYWELDER INSTALLATION (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272521	Ref	SKYWELDER INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	U-Clamp	
5	2030010	1	Extinguisher, Fire	
6	2902217	1	Weld Leads Kit	
7	3300151	4	Nut 1/4	
8	3311005	2	Nut #10	
9	3311605	4	Nut 3/8	
10	3573400	1	Bracket	
11	3577121	2	Angle	
12	3573642	1	Plate	
13	4240099	AR	Tie-Strap (Not Shown)	
14	4420037	AR	Tape	
15	4530028	1	Welder Assembly (See Separate Breakdown in this Section)	
16	4751400	4	Washer 1/4	
17	4751600	8	Washer 3/8	
18	4846627	1	Support	
19	4751000	2	Washer #10	

FIGURE 5-31. SKYWELDER INSTALLATION (60HZ)

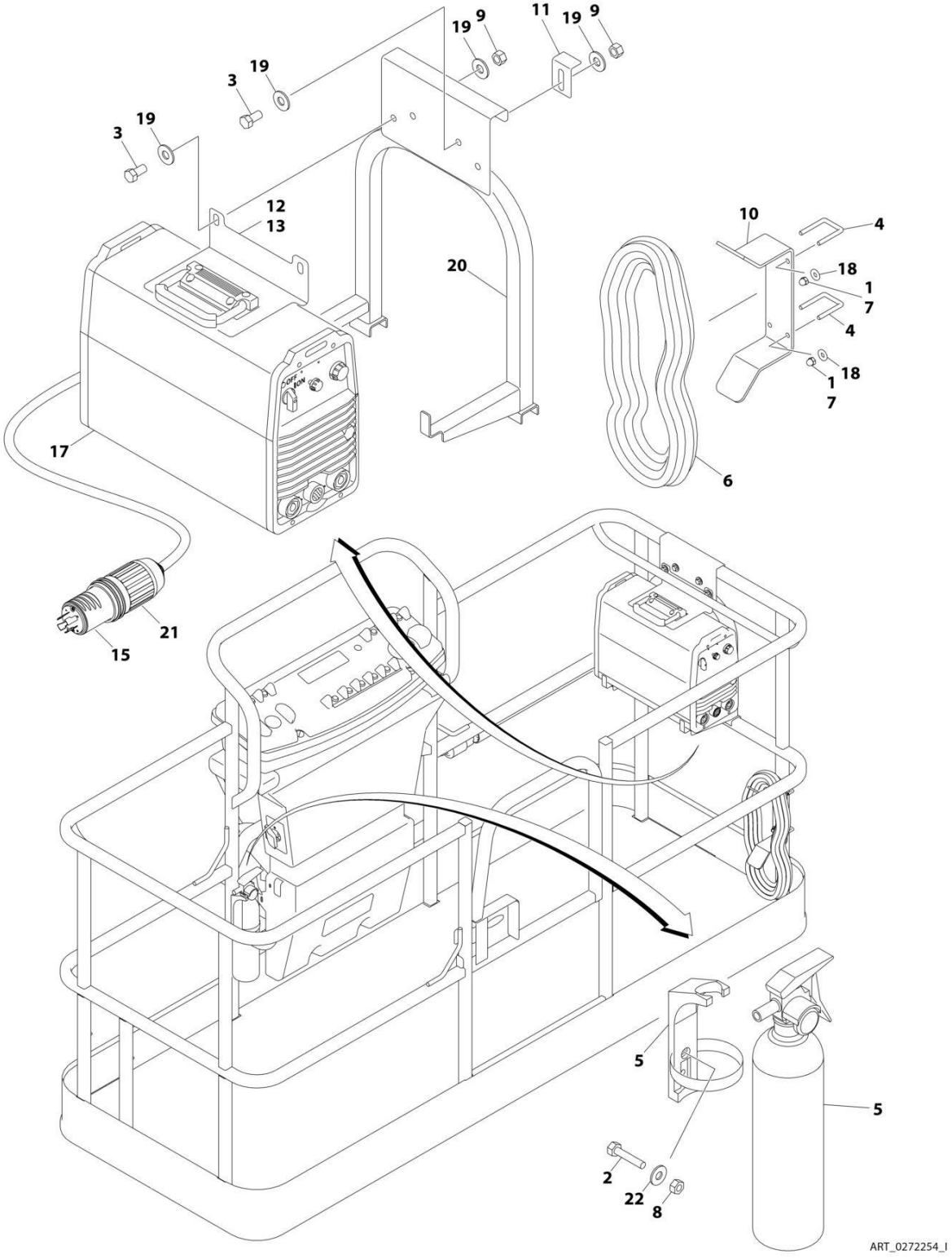


FIGURE 5-31. SKYWELDER INSTALLATION (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272254	Ref	SKYWELDER INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	U-Clamp	
5	2030010	1	Extinguisher, Fire	
6	2902217	1	Weld Leads Kit	
7	3300151	4	Nut 1/4	
8	3311005	2	Nut #10	
9	3311605	4	Nut 3/8	
10	3573400	1	Bracket	
11	3577121	2	Angle	
12	3573642	1	Plate	
13	4420037	AR	Tape	
14	4240099	AR	Tie-Strap (Not Shown)	
15	4460962	1	Plug, Male Twistlock	
17	4530028	1	Welder Assembly (See Separate Breakdown in this Section)	
18	4751400	4	Washer 1/4	
19	4751600	8	Washer 3/8	
20	4846627	1	Support	
21	1671093	1	Cover, Plug	
22	4751000	2	Washer #10	

FIGURE 5-32. WELDER ASSEMBLY

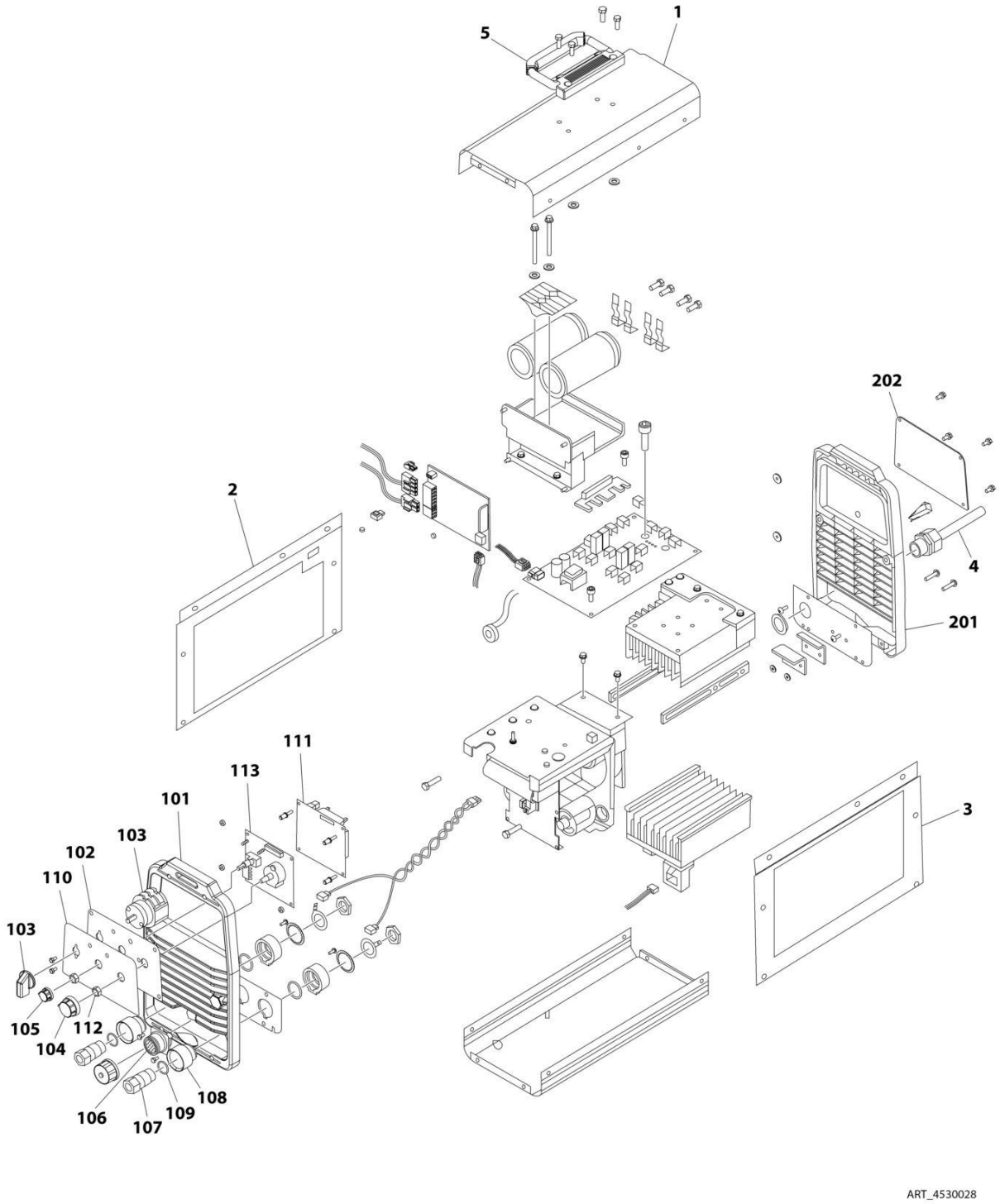


FIGURE 5-32. WELDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4530028	Ref	WELDER ASSEMBLY	B
		Ref	Note: For Other Components, contact your Miller Welder Dealer.	
1	7027773	1	Cover, Top	
1	7027774	1	Decal - Static Precautionary Warning	
2	See Note	NSS	Panel, LH Side (Note: Part of Item 1. Purchase Item 1)	
3	See Note	NSS	Panel, RH Side (Note: Part of Item 1. Purchase Item 1)	
4	7024467	1	Cable, Power	
4	7027775	1	Decal - Electrical Shock Warning (Not Shown)	
5	7027776	1	Handle, Carrying	
101	7024462	1	Panel, Front	
102	7024463	1	Panel, Console	
103	7024469	1	Switch with Lead	
104	7024470	1	Knob	
105	7024471	1	Knob	
106	7024472	1	Receptacle with Leads and Plugs	
107	7024473	2	Receptacle, Twistlock Female	
108	7024474	2	Insulator	
109	7024475	2	O-Ring	
110	7027777	1	Nameplate	
111	7027779	1	Circuit Card Assembly (Process Control)	
112	7024478	2	Nut	
113	7027778	1	Circuit Card Assembly (Operator Interface)	
201	7024462	1	Panel, Rear	
202	7027780	1	Panel, Cover	

FIGURE 5-33. SKYWELDER PREP PACKAGE (60HZ) (USA BUILT MACHINES ONLY)

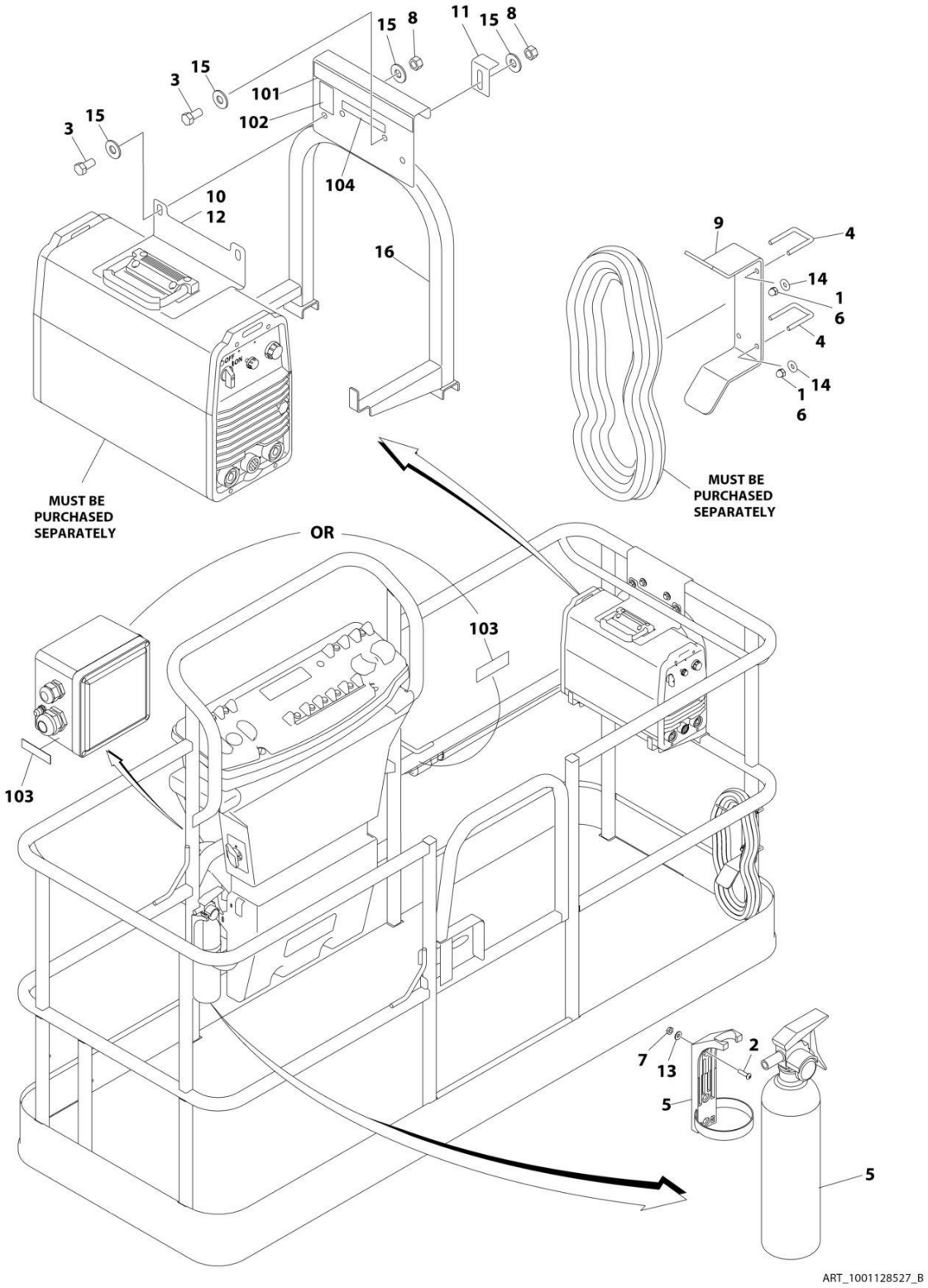


FIGURE 5-33. SKYWELDER PREP PACKAGE (60HZ) (USA BUILT MACHINES ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001128527	Ref	SKYWELDER PREP PACKAGE	B
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	U-Clamp	
5	2030010	1	Extinguisher, Fire	
6	3300151	4	Nut 1/4	
7	3311005	2	Nut #10	
8	3311605	4	Nut 3/8	
9	3573400	1	Bracket	
10	3573642	1	Plate	
11	3577121	2	Angle	
12	4420037	AR	Tape	
13	4751000	2	Washer #10	
14	4751400	4	Washer 1/4	
15	4751600	8	Washer 3/8	
16	4846627	1	Support	
	1001128556	Ref	SKYWELDER DECAL INSTALLATION	C
101	1702868	1	Decal - No Hands	
102	1705305	1	Decal - Weld Lead	
103	1705375	1	Decal - 240V - 3 Phase - 60Hz	
104	1001228988	1	Decal - Weight	

FIGURE 5-34. SKYGLAZIER INSTALLATION (400S HC3 ANSI, ANSI EXPORT, CE & CSA SPECS/460SJ HC3 ANSI, AUSTRALIAN & CSA SPECS)

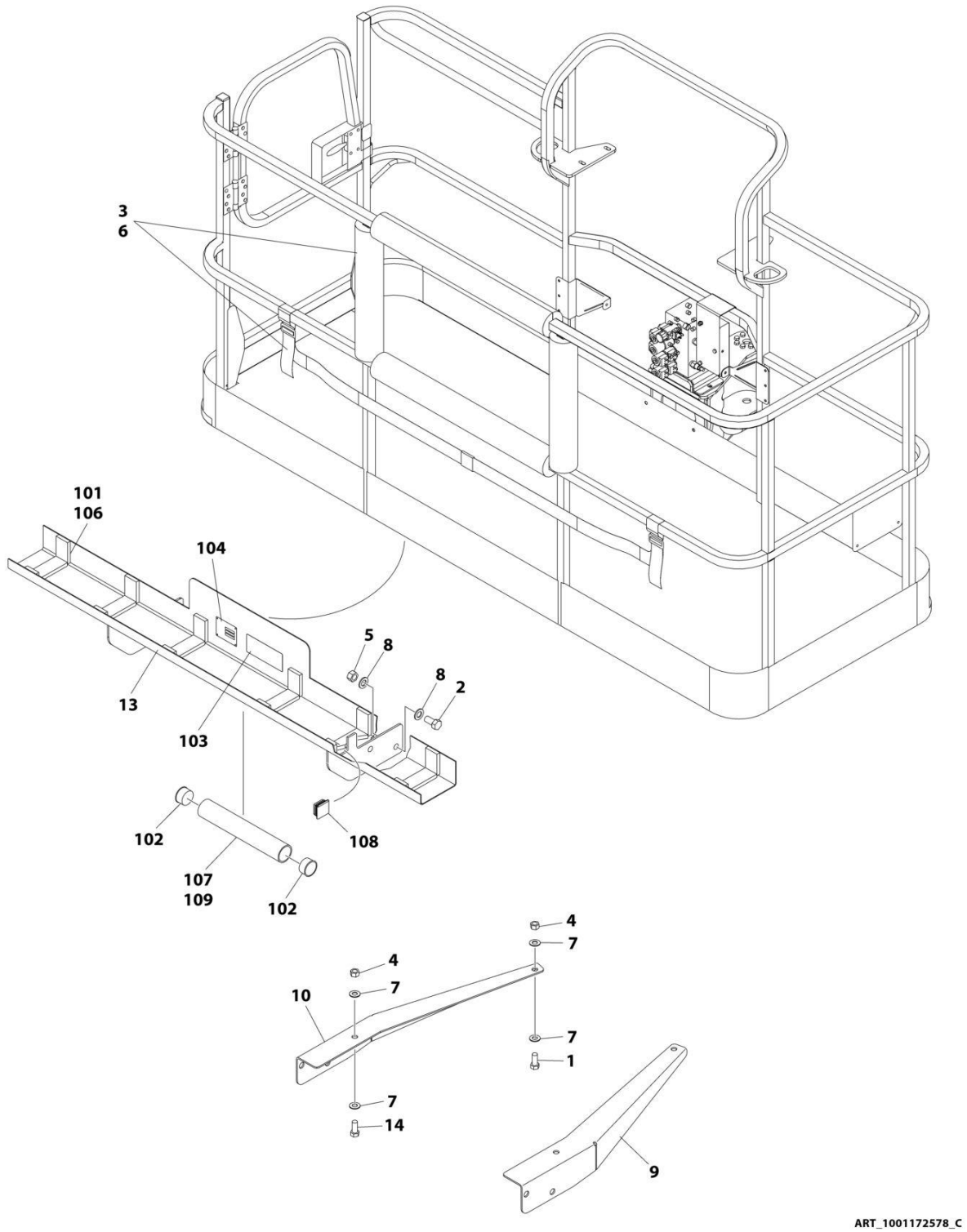


FIGURE 5-34. SKYGLAZIER INSTALLATION (400S HC3 ANSI, ANSI EXPORT, CE & CSA SPECS/460SJ HC3 ANSI, AUSTRALIAN & CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172578	Ref	SKYGLAZIER INSTALLATION	C
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	2902212	1	Bumpers and Strap Kit	
3	0940102	1	Bumper Only	
3	4240149	1	Strap Only	
4	3312005	1	Nut 5/8	
5	3312205	4	Nut 3/4	
6	4420014	AR	Tape	
7	4712000	6	Washer 5/8	
8	4712200	8	Washer 3/4	
9	1001099366	1	Support	
10	1001099367	1	Support	
13	1001172577	1	Tray Assembly (See Items 101-109 for Breakdown)	
14	8310129	2	Bolt 3/4 x 2-1/2	
	1001172577	Ref	TRAY ASSEMBLY	C
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	1701509	1	Decal - Manual	
104	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
106	3340956	1	Pad Kit	
107	3460334	1	Tube	
108	3520071	2	Plug	
109	4420066	AR	Tape, Double Sided	

FIGURE 5-35. PIPE RACKS INSTALLATION (400S HC3 & 460SJ HC3 ALL SPECS EXCEPT AUSTRALIAN SPECS)

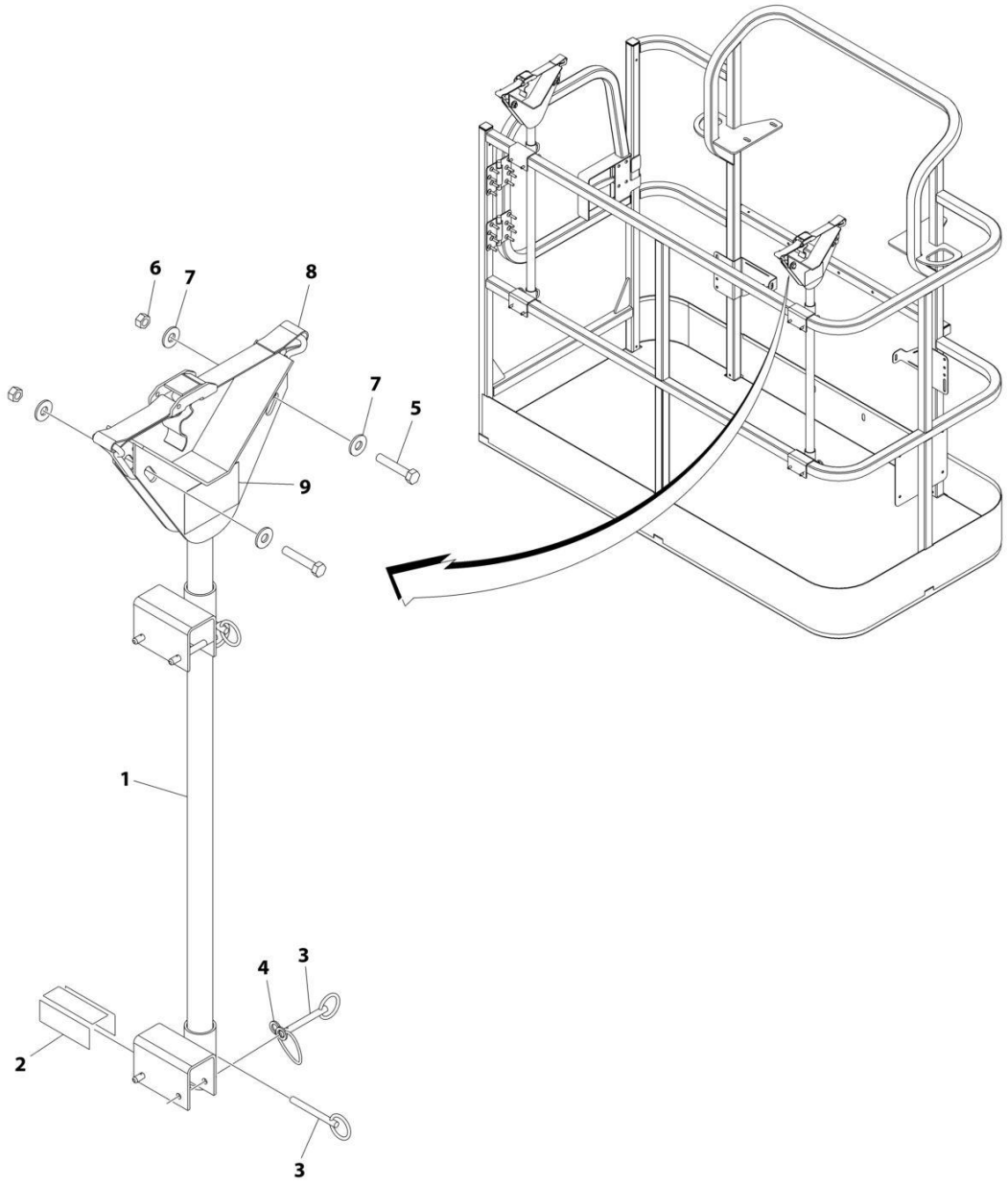


FIGURE 5-35. PIPE RACKS INSTALLATION (400S HC3 & 460SJ HC3 ALL SPECS EXCEPT AUSTRALIAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0257728	Ref	PIPE RACK INSTALLATION	3/E
1	4845582	2	Rack, Pipe	
2	4420062	AR	Tape	
3	3422661	10	Pin	
4	1060379	4	Lanyard	
5	0641514	4	Bolt 5/16 x 1-3/4	
6	3311505	4	Nut 5/16	
7	4751500	8	Washer 5/16	
8	0480100	2	Tie-Down	
11	1001252946	2	Decal - Tube Rack Cap (1)	
12	1001252947	2	Decal - Tube Rack Cap (2)	

FIGURE 5-36. PIPE RACKS INSTALLATION (460SJ HC3 AUSTRALIAN SPECS) (Prior to SN 0300271832, Prior to SN E300007991)

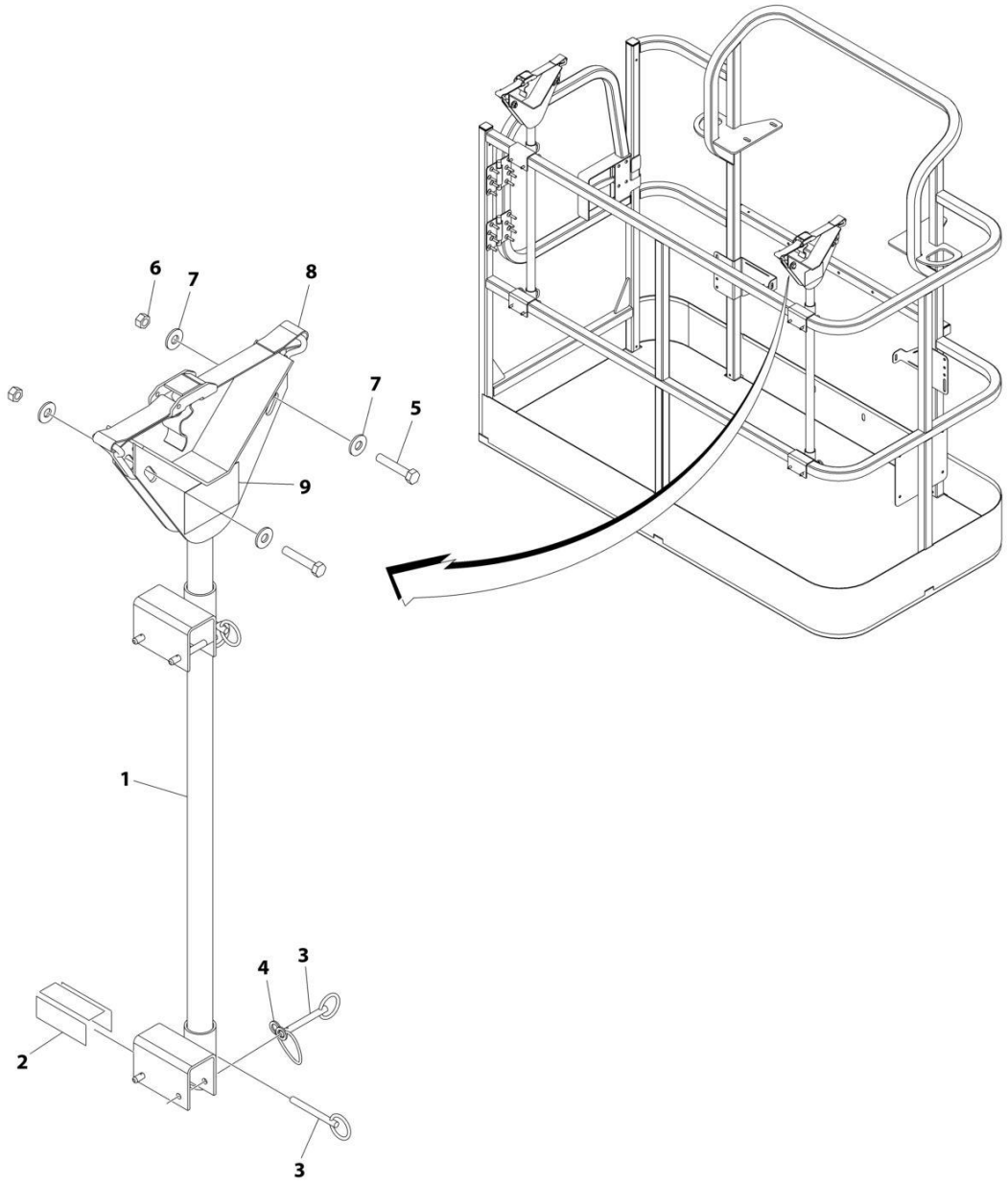


FIGURE 5-36. PIPE RACKS INSTALLATION (460SJ HC3 AUSTRALIAN SPECS) (Prior to SN 0300271832, Prior to SN E300007991)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274661	Ref	PIPE RACK INSTALLATION	3/C
1	4845582	2	Rack, Pipe	
2	4420062	AR	Tape	
3	3422661	10	Pin	
4	1060379	4	Lanyard	
5	0641514	4	Bolt 5/16 x 1-3/4	
6	3311505	4	Nut 5/16	
7	4751500	8	Washer 5/16	
8	0480100	2	Tie-Down	
9	1706510	2	Decal - Capacity	

FIGURE 5-37. PIPE RACKS INSTALLATION (460SJ HC3 AUSTRALIAN SPECS) (SN 0300271832 to Present, SN E300007991 to Present)

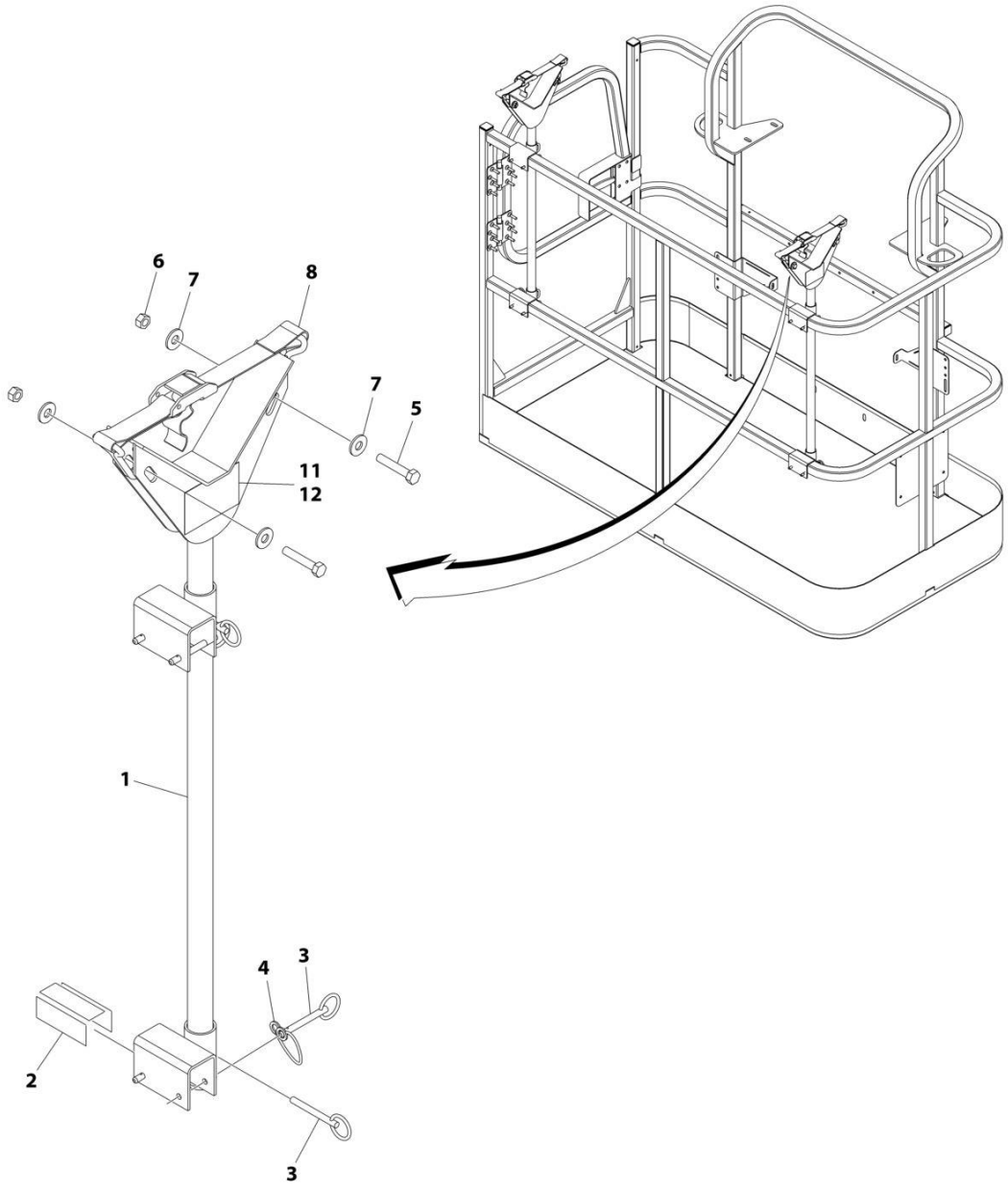


FIGURE 5-37. PIPE RACKS INSTALLATION (460SJ HC3 AUSTRALIAN SPECS) (SN 0300271832 to Present, SN E300007991 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274661	Ref	PIPE RACK INSTALLATION	C
1	4845582	2	Rack, Pipe	
2	4420062	AR	Tape	
3	3422661	10	Pin	
4	1060379	4	Lanyard	
5	0641514	4	Bolt 5/16 x 1-3/4	
6	3311505	4	Nut 5/16	
7	4751500	8	Washer 5/16	
8	0480100	2	Tie-Down	
9	1703683	2	Decal - Capacity **(Prior to SN E300007713)**	
11	1001252946	2	Decal - Capacity (1) **(SN E300007713 to Present)**	
12	1001252947	2	Decal - Capacity (2) (660-1000LBSS/299-454KG Zones)	

FIGURE 5-38. PLATFORM POWER - USB

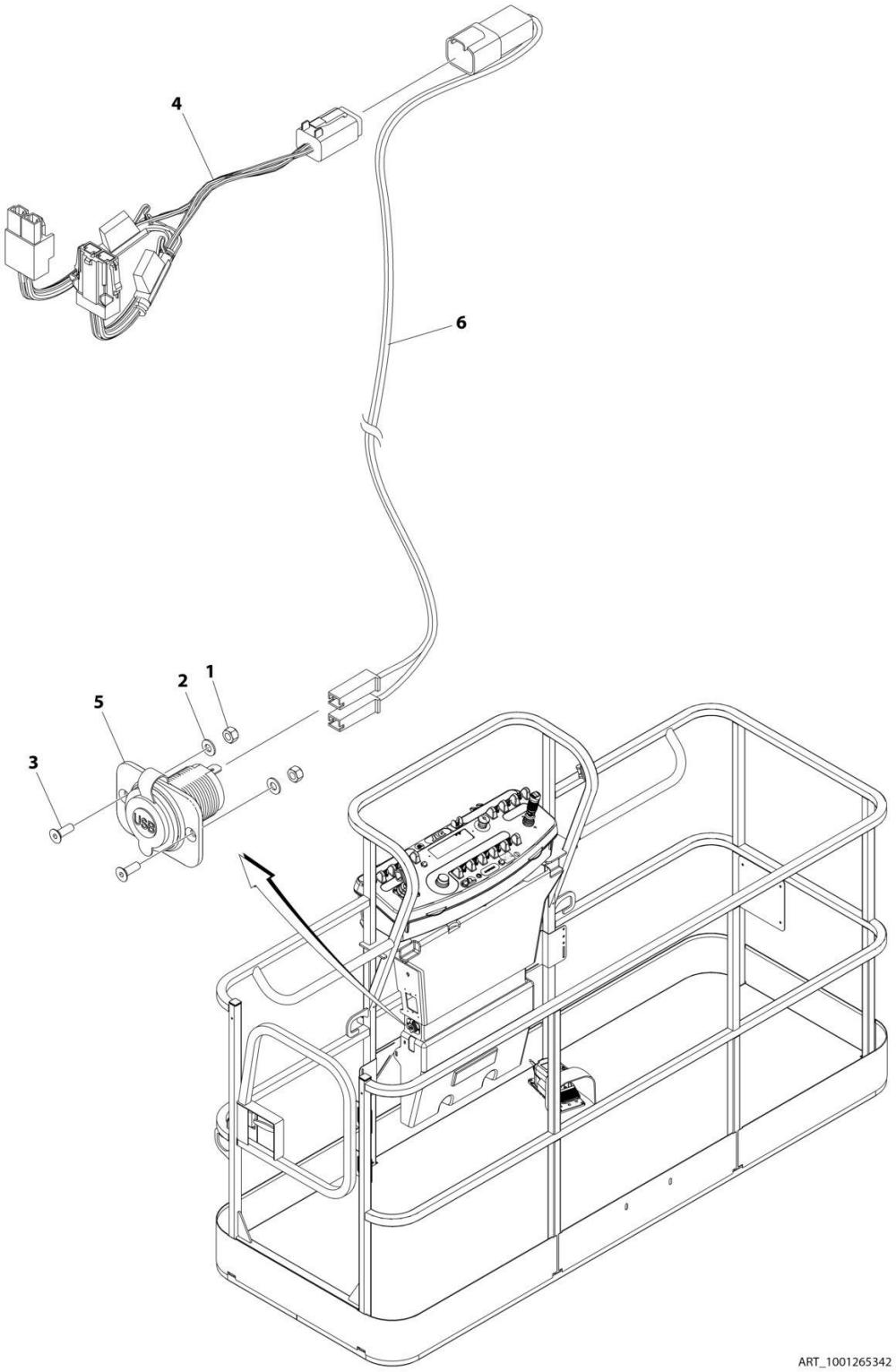


FIGURE 5-38. PLATFORM POWER - USB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265342	Ref	USB CHARGER INSTALLATION	A
1	3290405	2	Nut M4	
2	4811400	2	Washer M4	
3	1001097244	2	Screw M4 x 12	
4	1001120484	1	Harness, Work Lights	
4	4460879	1	Plug, Male - 2 Position	
4	4460887	2	Terminal	
4	2400060	2	Fuseholder Includes Cover	
4	8229249	2	Fuse, 3 Amp	
4	4460884	1	Connector - 4 Position	
4	4460465	4	Socket, Female	
4	1001120471	1	Connector - 2 Position	
4	1001120477	2	Terminal	
5	1001210636	1	Receptacle, USB	
6	1001265163	1	Harness, USB	A
6	4460260	2	Cover, Terminal	
6	4460259	2	Terminal	
6	4460932	1	Receptacle, Bussbar - 4 Position	
6	4460464	2	Pin, Male	
6	4460466	2	Plug, Terminal	

FIGURE 5-39. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M FALL ARREST PLATFORM (USA BUILT MACHINES ONLY)

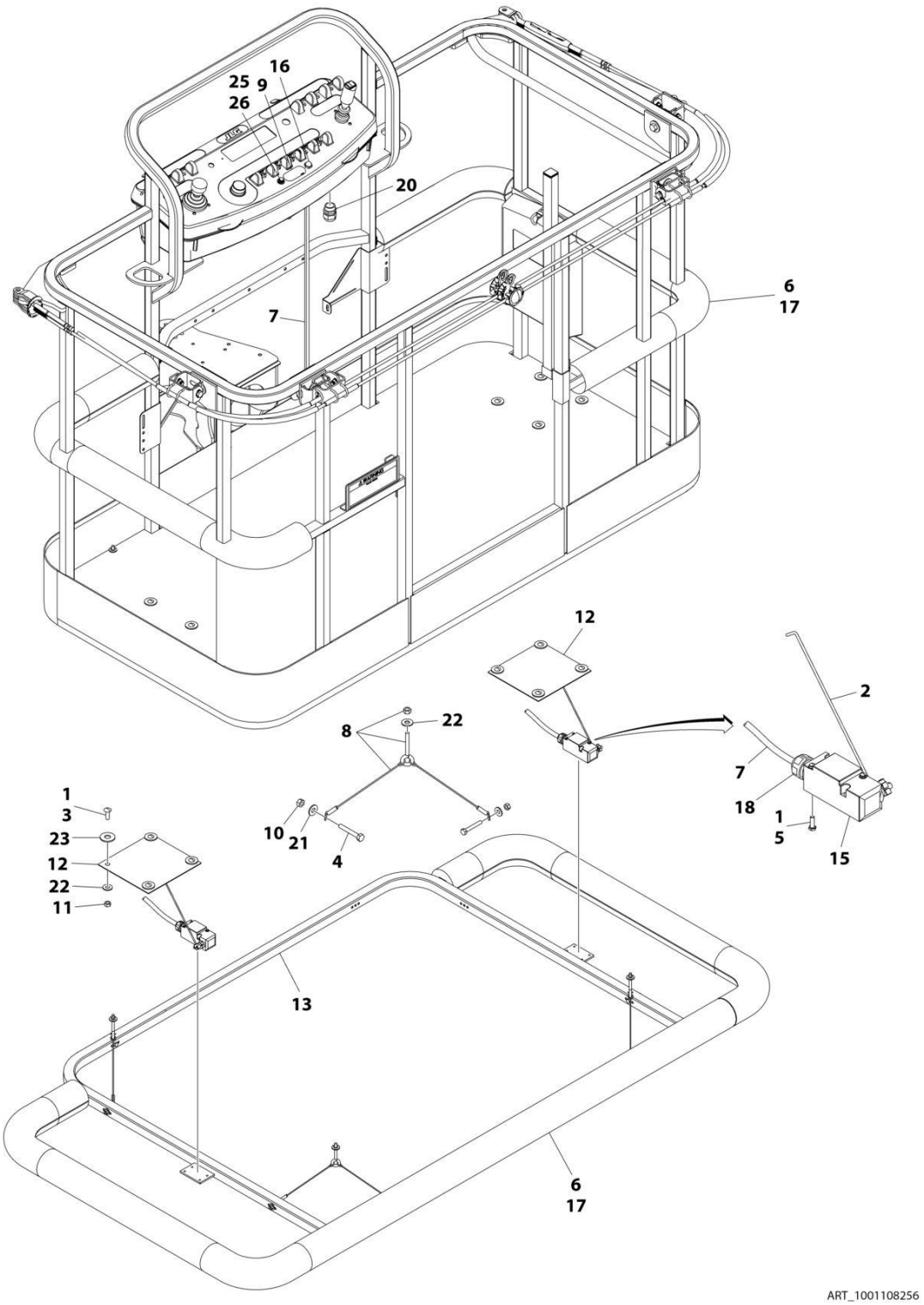


FIGURE 5-39. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M FALL ARREST PLATFORM (USA BUILT MACHINES ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108256	Ref	SOFT TOUCH INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0731005	4	Bolt #10 x 5/8	
6	0940177	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	8	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3575359	2	Plate, Switch Strike	
13	3641569	1	Rail, Soft Touch	
14	4240099	7	Tie-Strap (Not Shown)	
15	4360057	2	Switch, Limit	
16	4360387	1	Switch, Push Button	
17	4420068	AR	Tape, Adhesive	
17	1001197017	AR	Tie-Strap	
18	4460049	2	Connector, Strain Relief	
19	4460234	7	Tie-Strap (Not Shown)	
20	4460425	1	Connector, Strain Relief	
21	4751400	8	Washer 1/4	
22	4751500	9	Washer 5/16	
23	4751800	8	Washer 1/2	
25	2920028	1	Light, Indicator	
26	2920029	1	Bulb, Light	

FIGURE 5-40. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M PLATFORM (USA BUILT MACHINES ONLY)

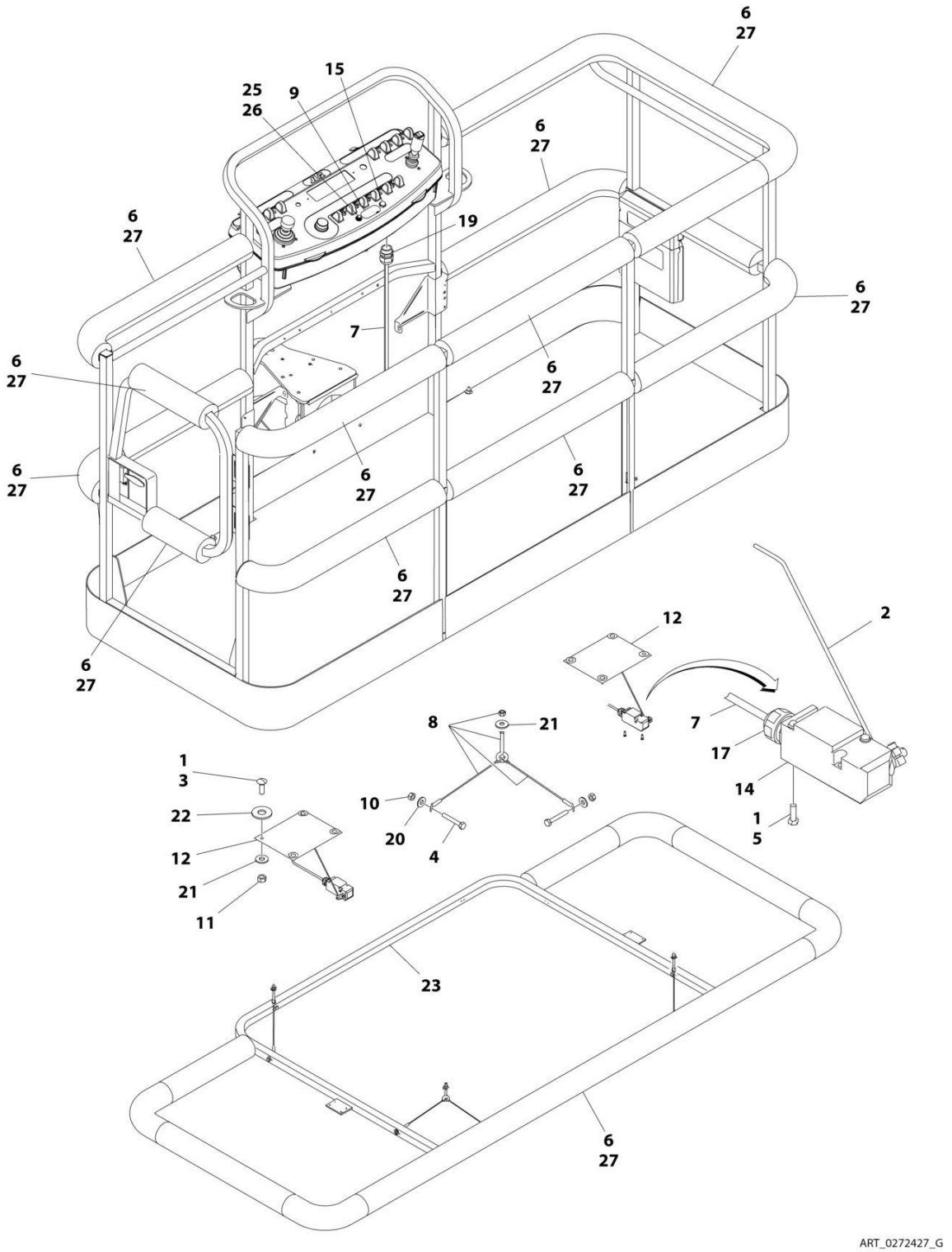


FIGURE 5-40. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M PLATFORM (USA BUILT MACHINES ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272427	Ref	SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM (OPTIONAL)	G
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0721005	4	Bolt #10 x 5/8	
6	0940103	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	12	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3574091	2	Plate, Switch Strike	
13	4240099	7	Tie-Strap (Not Shown)	
14	4360057	2	Switch, Limit	
15	4360387	1	Switch, Push Button	
16	4420068	AR	Tape, Adhesive	
16	1001197017	AR	Tie-Strap	
17	4460049	2	Connector, Strain Relief	
18	4460234	7	Tie-Strap (Not Shown)	
19	4460425	1	Connector, Strain Relief	
20	4751400	8	Washer 1/4	
21	4751500	12	Washer 5/16	
22	4751800	8	Washer 1/2	
23	4846673	1	Rail, Soft Touch	
24	4933218	1	Soft Touch Wiring Diagram (Not Shown - Reference Only)	
25	2920028	1	Light, Indicator	
26	2920029	1	Bulb, Light	

FIGURE 5-41. FALL ARREST (BOLT-ON) INSTALLATION - 30IN PLATFORM

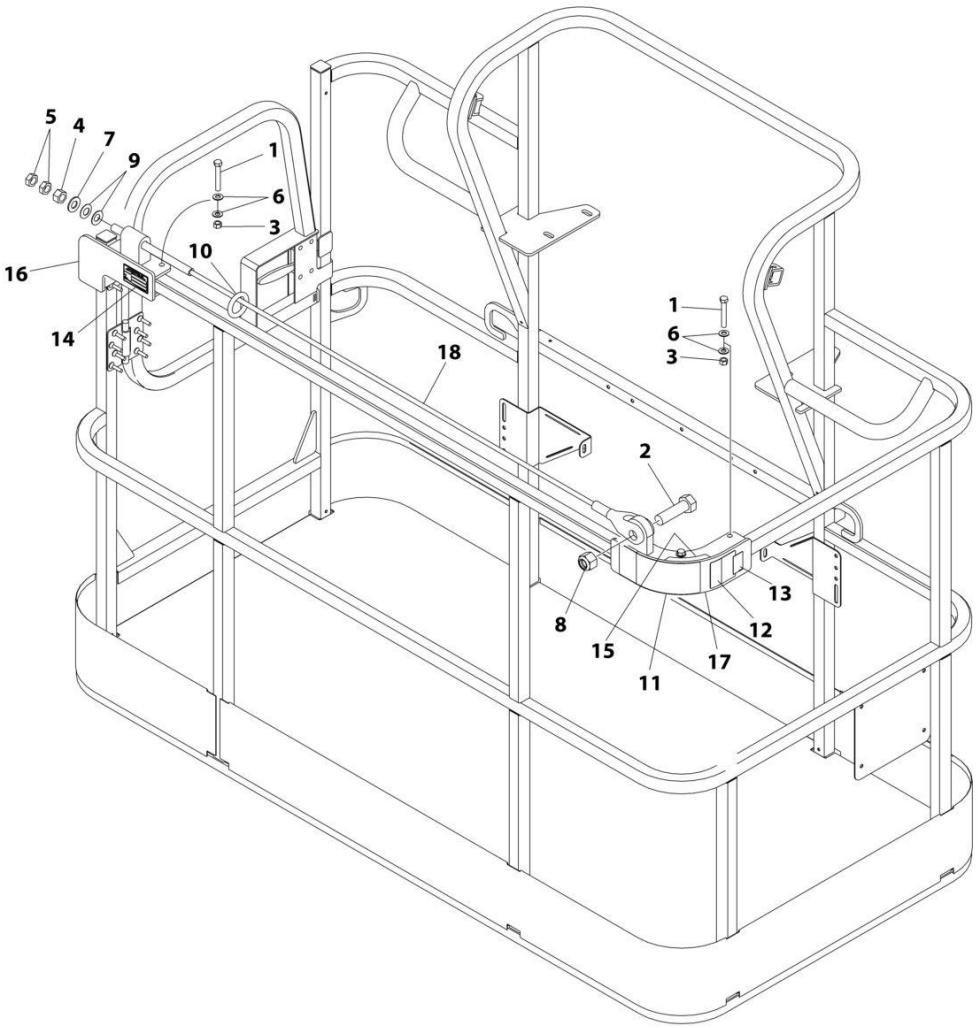


FIGURE 5-41. FALL ARREST (BOLT-ON) INSTALLATION - 30IN PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257275	Ref	FALL ARREST INSTALLATION (BOLT - ON) 6FT/1.82M PLATFORM	A
1	0681620	6	Bolt 3/8 x 2-1/2	
2	0682424	1	Bolt 7/8 x 3	
3	3271605	6	Nut 3/8	
4	3272001	1	Nut 5/8	
5	3312002	2	Nut 5/8	
6	4711600	12	Washer 3/8	
7	4712000	1	Washer 5/8	
8	88521214	1	Nut 7/8	
9	1001236891	2	Washer	
10	1001236895	1	Ring	
11	1001238263	1	Decal - Warning Falling Hazard	
12	1001248140	1	Decal - Bolt Fall Arrest Re-Cert	
13	1001248141	1	Decal - Incription	
14	See Note	NSS	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
15	1001252629	1	Decal - Weight	
16	1001257271	1	Bracket (RH)	
17	1001257274	1	Bracket (LH)	
18	1001258005	1	Rope	

FIGURE 5-42. FALL ARREST (BOLT-ON) INSTALLATION - 72IN STANDARD PLATFORM

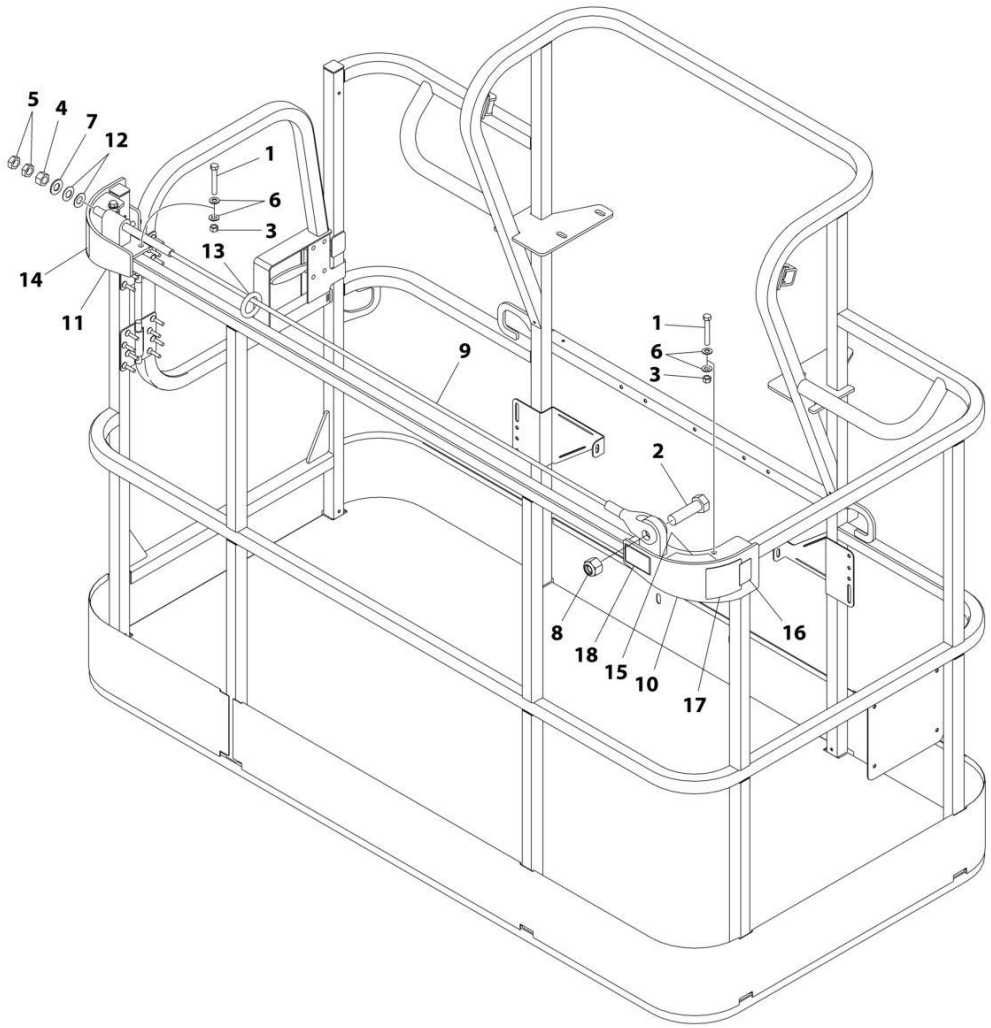


FIGURE 5-42. FALL ARREST (BOLT-ON) INSTALLATION - 72IN STANDARD PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236747	Ref	FALL ARREST INSTALLATION (BOLT - ON) 6FT/1.82M PLATFORM	C
1	0681620	6	Bolt 3/8 x 2-1/2	
2	0682424	1	Bolt 7/8 x 3	
3	3271605	6	Nut 3/8	
4	3272001	1	Nut 5/8	
5	3312002	2	Nut 5/8	
6	4711600	12	Washer 3/8	
7	4712000	1	Washer 5/8	
8	88521214	1	Nut 7/8	
9	1001231950	1	Rope	
10	1001232010	1	Bracket (RH)	
11	1001232011	1	Bracket (LH)	
12	1001236891	2	Washer	
13	1001236895	1	Ring	
14	1001238263	1	Decal - Warning Falling Hazard	
15	1001252629	1	Decal - Weight	
16	1001248140	1	Decal - Bolt Fall Arrest Re-Cert	
17	1001248141	1	Decal - Inscription	

FIGURE 5-43. FALL ARREST (BOLT-ON) INSTALLATION - 72IN TRI-ENTRY PLATFORM

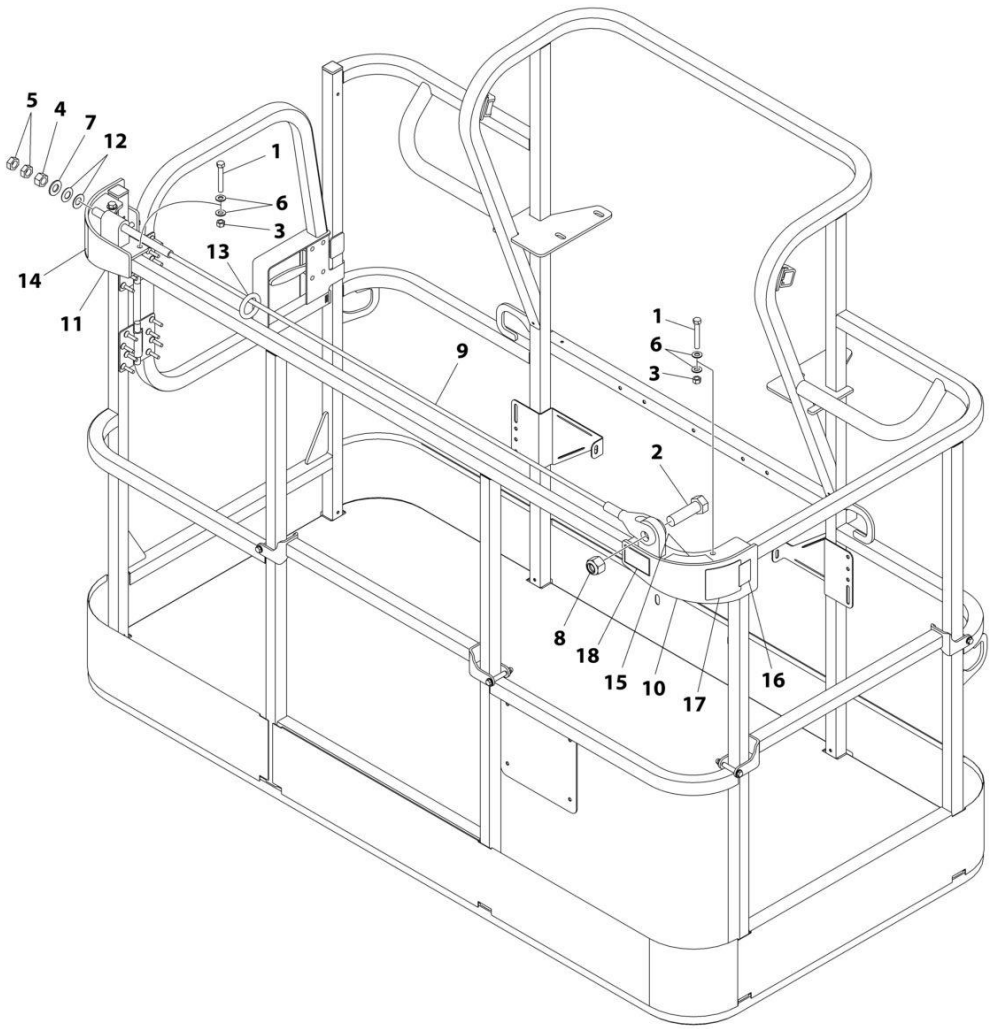


FIGURE 5-43. FALL ARREST (BOLT-ON) INSTALLATION - 72IN TRI-ENTRY PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238463	Ref	FALL ARREST INSTALLATION (BOLT - ON) 6FT/1.82M PLATFORM	C
1	0681620	6	Bolt 3/8 x 2-1/2	
2	0682424	1	Bolt 7/8 x 3	
3	3271605	6	Nut 3/8	
4	3272001	1	Nut 5/8	
5	3312002	2	Nut 5/8	
6	4711600	12	Washer 3/8	
7	4712000	1	Washer 5/8	
8	88521214	1	Nut 7/8	
9	1001231950	1	Rope	
10	1001232010	1	Bracket (RH)	
11	1001232011	1	Bracket (LH)	
12	1001236891	2	Washer	
13	1001236895	1	Ring	
14	1001238263	1	Decal - Warning Falling Hazard	
15	1001252629	1	Decal - Weight	
16	1001248140	1	Decal - Bolt Fall Arrest Re-Cert	
17	1001248141	1	Decal - Inscription	

FIGURE 5-44. FALL ARREST (BOLT-ON) INSTALLATION - 96IN PLATFORM

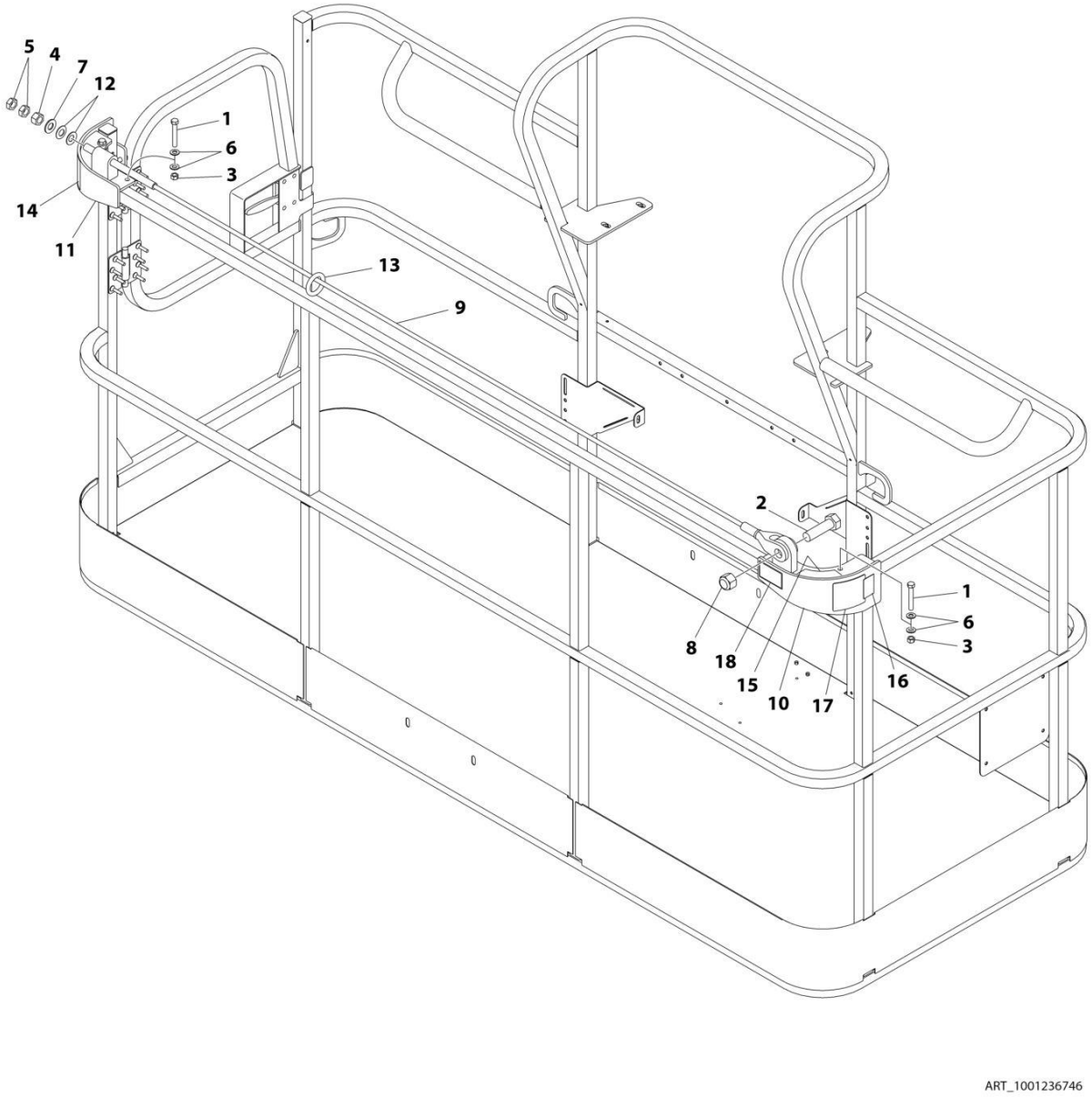


FIGURE 5-44. FALL ARREST (BOLT-ON) INSTALLATION - 96IN PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236746	Ref	FALL ARREST INSTALLATION (BOLT - ON) 8FT/2.4M PLATFORM	C
1	0681620	6	Bolt 3/8 x 2-1/2	
2	0682424	1	Bolt 7/8 x 3	
3	3271605	6	Nut 3/8	
4	3272001	1	Nut 5/8	
5	3312002	2	Nut 5/8	
6	4711600	12	Washer 3/8	
7	4712000	1	Washer 5/8	
8	88521214	1	Nut 7/8	
9	1001231949	1	Rope	
10	1001232010	1	Bracket (RH)	
11	1001232011	1	Bracket (LH)	
12	1001236891	2	Washer	
13	1001236895	1	Ring	
14	1001238263	1	Decal - Warning Falling Hazard	
15	1001252629	1	Decal - Weight 23LBS/10.4KG	
16	1001248140	1	Decal - Bolt Fall Arrest Re-Cert	
17	1001248141	1	Decal - Inscription	

SECTION 6 - CYLINDER

SECTION 6 - CYLINDER

FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

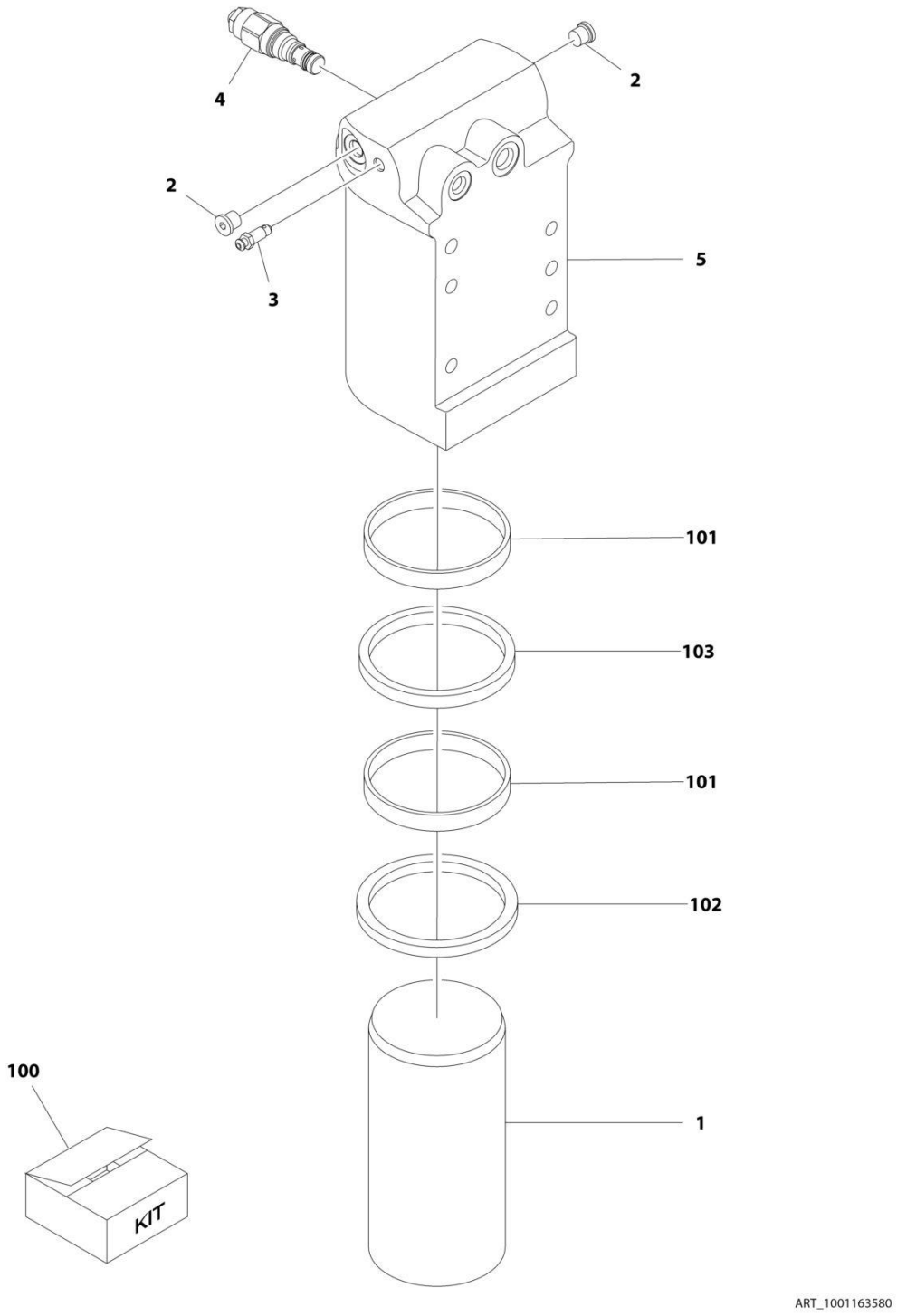


FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163580	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	I
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1684290	1	Rod	
2	2220883	2	Plug #4	
3	4640858	1	Valve, Bleeder	
4	1001117372	1	Cartridge, Valve	
4	70002842	1	Seal Kit - 1001117372 Valve	
5	1001164817	1	Barrel	
100	2902266	NLA	Seal Kit - 1001163590 Cylinder (Includes Items 101-103)	
101	See Note	NSS	Ring, Wear (Note: Use Item 100)	
102	See Note	NSS	Seal (Note: Use Item 100)	
103	See Note	NSS	Wiper (Note: Use Item 100)	

FIGURE 6-2. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (400S HC3)

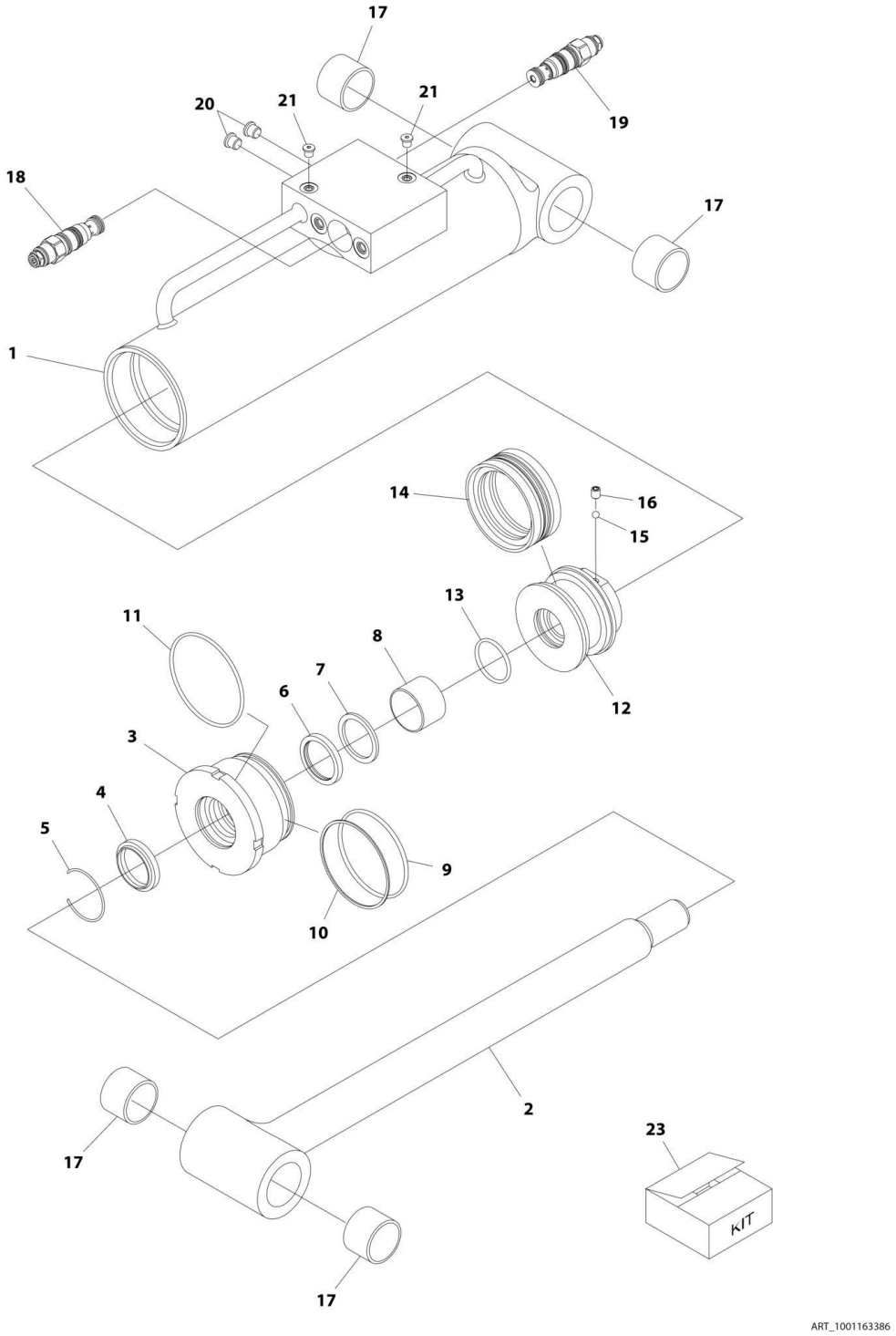


FIGURE 6-2. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163386	Ref	LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY	G
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005147	1	Barrel	
2	70005148	1	Rod	
3	70005142	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 23)	
5	70002373	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 23)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 23)	
8	70005143	1	Bearing, Dry	
9	See Note	NSS	O-Ring (Note: Use Item 23)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 23)	
11	See Note	NSS	O-Ring (Note: Use Item 23)	
12	70005144	1	Piston	
13	See Note	NSS	O-Ring (Note: Use Item 23)	
14	See Note	NSS	Seal, Piston (Note: Use Item 23)	
15	70022564	1	Ball	
16	70023369	1	Setscrew	
17	70005145	4	Bearing	
18	1001168209	1	Cartridge, Valve	
18	2900770	1	Seal Kit - 1001168209 Valve	
19	1001168210	1	Cartridge, Valve	
19	2900770	1	Seal Kit - 1001168210 Valve	
20	70023370	1	Plug 7/16	
21	2220881	1	Plug, O-Ring 5/16	
23	70005149	1	Seal Kit - 1001163386 Cylinder (Includes Items 4, 6, 7, 9, 10, 11, 13 & 14)	

FIGURE 6-3. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (460S HC3)

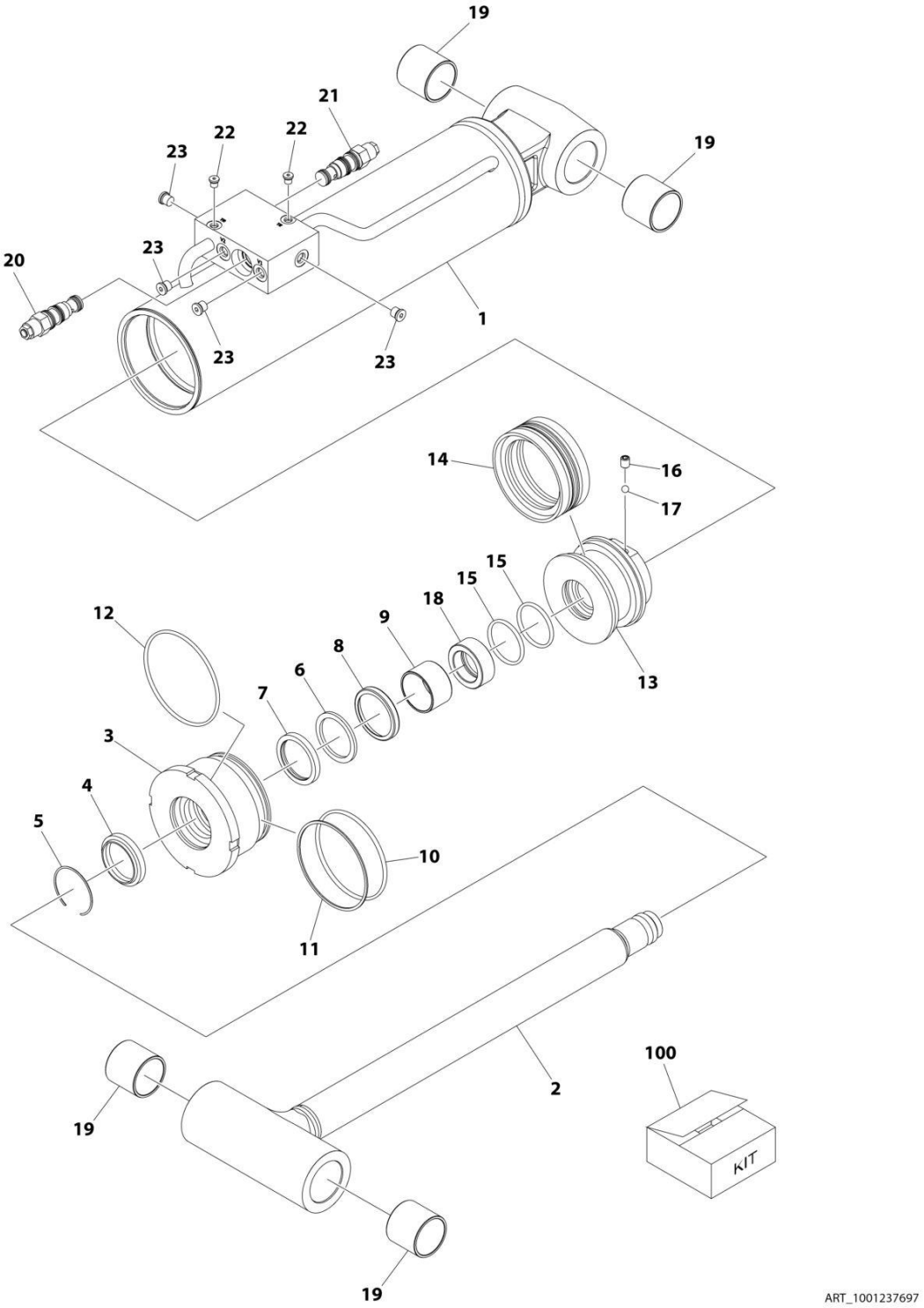


FIGURE 6-3. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (460S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237697	Ref	LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001237697)	
2	70007168	1	Rod	
3	70007157	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70002410	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	See Note	NSS	Ring (Note: Use Item 100)	
9	70004237	1	Bearing, Dry	
10	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
12	See Note	NSS	O-Ring (Note: Use Item 100)	
13	70007161	1	Piston	
14	See Note	NSS	Seal, Piston (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	70023369	1	Setscrew	
17	70022564	1	Ball	
18	70007169	1	Spacer	
19	70007159	4	Bearing	
20	1001168209	1	Cartridge, Valve	
20	2900770	1	Seal Kit - 1001168209 Valve	
21	1001168210	1	Cartridge, Valve	
21	2900770	1	Seal Kit - 1001168210 Valve	
22	2220881	2	Plug, O-Ring 5/16	
23	2220883	4	Plug 7/16	
100	70007160	1	Seal Kit - 1001237697 Cylinder (Includes Items 4, 6, 7, 8, 10, 11, 12, 14 & 15)	

SECTION 6 - CYLINDER

FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB (460SJ HC3) (Prior to SN 0300287833, Prior to SN E300008018)

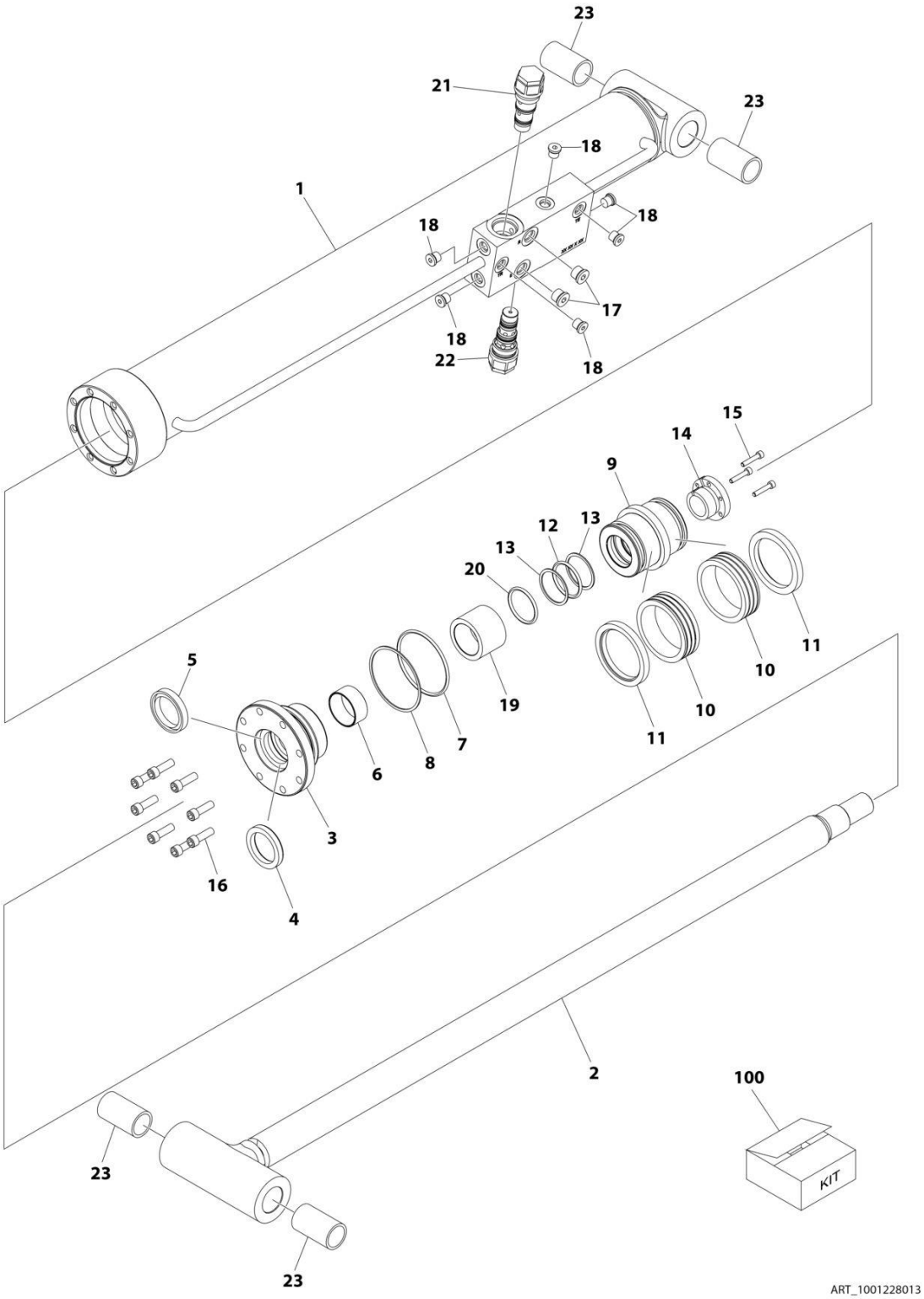


FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB (460SJ HC3) (Prior to SN 0300287833, Prior to SN E300008018)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228013	Ref	LIFT CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not Available for Purchase)	
2	70006734	1	Rod	
3	70006649	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	See Note	NSS	Seal, Rod (Note: Use Item 100)	
6	See Note	NSS	Ring, Wear (Note: Use Item 100)	
7	See Note	NSS	O-Ring (Note: Use Item 100)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
9	70006650	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 100)	
11	See Note	NSS	Ring, Lock (Note: Use Item 100)	
12	See Note	NSS	O-Ring (Note: Use Item 100)	
13	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
14	0961893	1	Bushing, Tapered	
15	0630534	3	Bolt #10-24NC x 1in	
16	70006735	8	Capscrew 5/16 x 1	
17	2220885	2	Plug, O-Ring #6	
18	2220883	6	Plug, O-Ring #4	
19	70006736	1	Spacer, Tube	
20	See Note	NSS	O-Ring (Note: Use Item 100)	
21	4640509	1	Cartridge, Valve	
21	2900792	1	Seal Kit - 4640509 Valve	
22	1001231963	1	Cartridge, Valve	
22	70004186	1	Seal Kit - 1001231963 Valve	
23	0962336	4	Bushing	
100	2901303	1	Seal Kit (Includes Items 4-8, 10-13 & 20)	

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FIGURE 6-5. LIFT CYLINDER ASSEMBLY - JIB (460SJ HC3) (SN 0300271833 through 0300274689, SN E300008018 through E300008343)

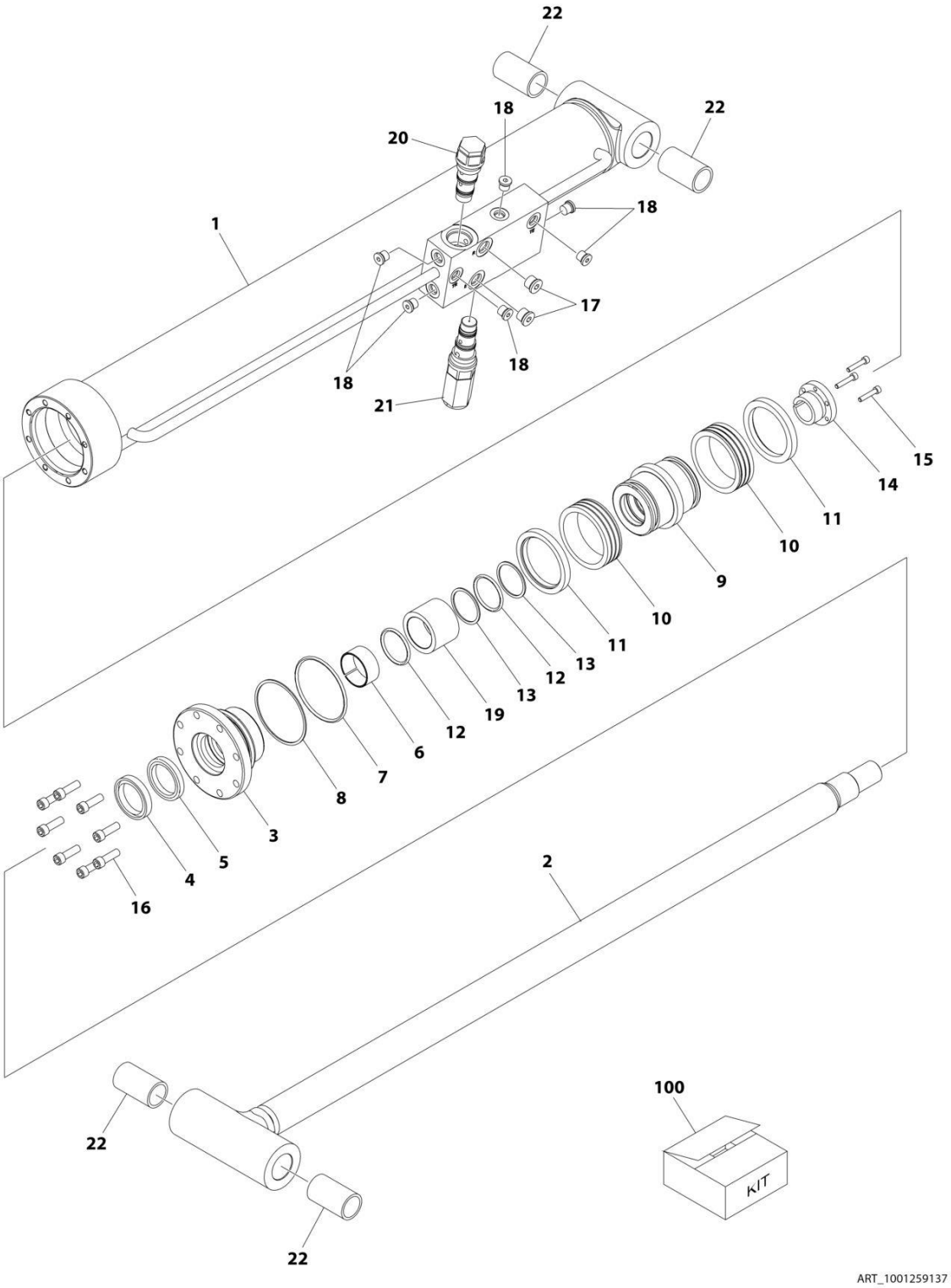


FIGURE 6-5. LIFT CYLINDER ASSEMBLY - JIB (460SJ HC3) (SN 0300271833 through 0300274689, SN E300008018 through E300008343)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259137	Ref	LIFT CYLINDER ASSEMBLY - JIB	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not Available for Purchase)	
2	70006734	1	Rod	
3	70006649	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	See Note	NSS	Seal, Rod (Note: Use Item 100)	
6	See Note	NSS	Ring, Wear (Note: Use Item 100)	
7	See Note	NSS	O-Ring (Note: Use Item 100)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
9	70006650	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 100)	
11	See Note	NSS	Ring, Lock (Note: Use Item 100)	
12	See Note	NSS	O-Ring (Note: Use Item 100)	
13	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
14	0961893	1	Bushing, Tapered	
15	0630534	3	Capscrew, Socket Head #10 x 1	
16	70006735	8	Capscrew 5/16	
17	2220885	2	Plug, O-Ring	
18	2220883	6	Plug, O-Ring	
19	70006736	1	Spacer	
20	4640509	1	Cartridge, Valve	
20	2900792	1	Seal Kit - 4640509 Valve	
21	1001259138	1	Cartridge, Valve	
21	70004186	1	Seal Kit - 1001259138 Valve	
22	0962336	4	Bushing	
100	1001138795	1	Seal Kit (Includes Items 4-8 & 10-13)	

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FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB (460SJ HC3) (SN 0300274690 through 0300278780, SN E300008344 through E300008842)

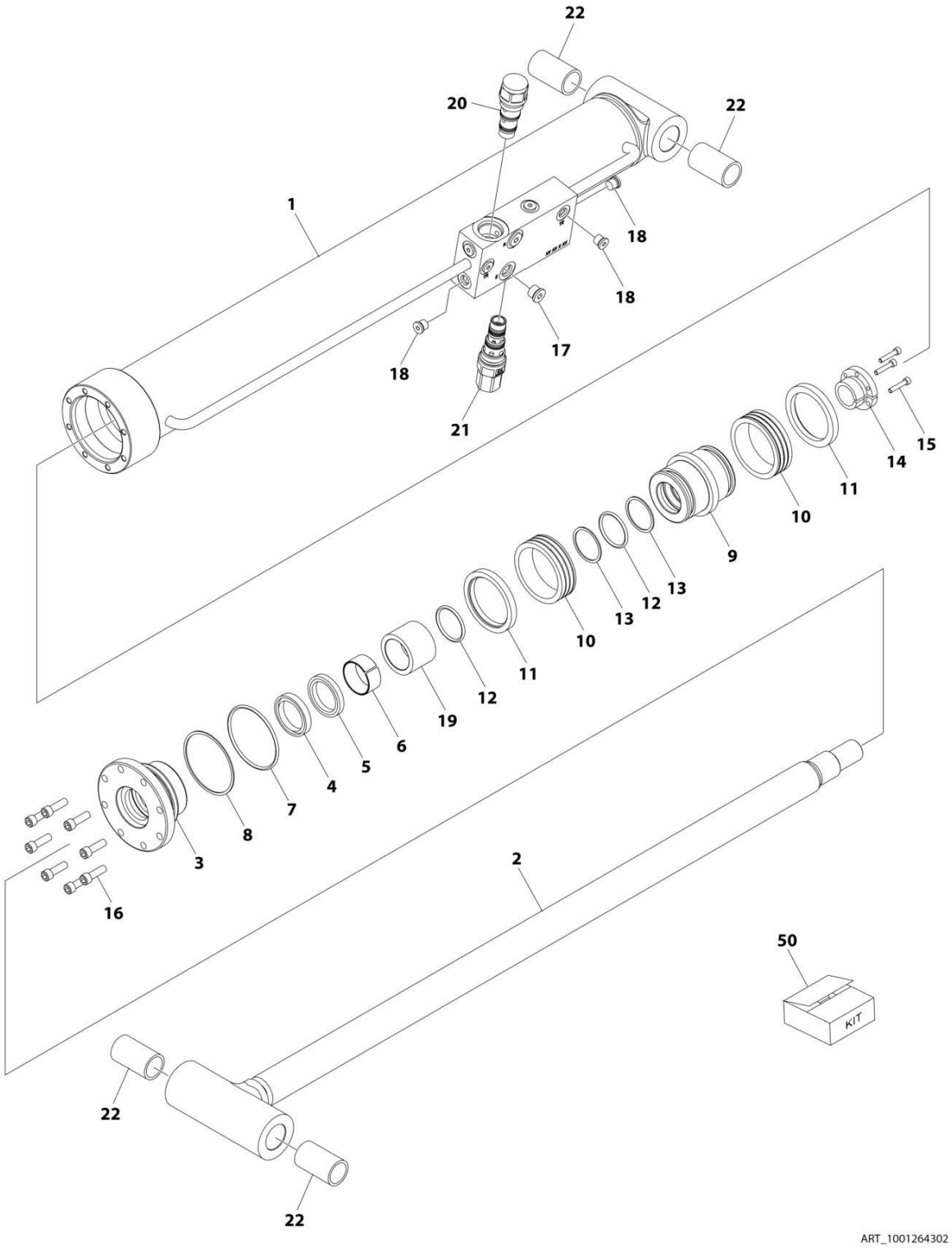


FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB (460SJ HC3) (SN 0300274690 through 0300278780, SN E300008344 through E300008842)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264302	Ref	LIFT CYLINDER ASSEMBLY - JIB	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel	
2	70006734	1	Rod	
3	70006649	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 50)	
5	See Note	NSS	Seal, Rod (Note: Use Item 50)	
6	See Note	NSS	Ring, Wear (Note: Use Item 50)	
7	See Note	NSS	O-Ring (Note: Use Item 50)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
9	70006650	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 50)	
11	See Note	NSS	Ring, Lock (Note: Use Item 50)	
12	See Note	NSS	O-Ring (Note: Use Item 50)	
13	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
14	0961893	1	Bushing, Tapered	
15	0630534	3	Capscrew	
16	70006735	8	Capscrew	
17	2220885	2	Plug	
18	2220883	6	Plug	
19	70006736	1	Spacer	
20	4640509	1	Cartridge, Counterbalance Valve	
20	2900792	1	Seal Kit - 4640509 Valve	
21	1001263800	1	Cartridge, Counterbalance Valve	
21	70004186	1	Seal Kit - 1001263800 Valve	
22	0962336	4	Bushing	
50	1001138795	1	Seal Kit (Includes Items 4-8 & 10-13)	

FIGURE 6-7. LIFT CYLINDER ASSEMBLY - JIB (460SJ HC3) (SN 0300278781 to Present, SN E300008843 to Present)

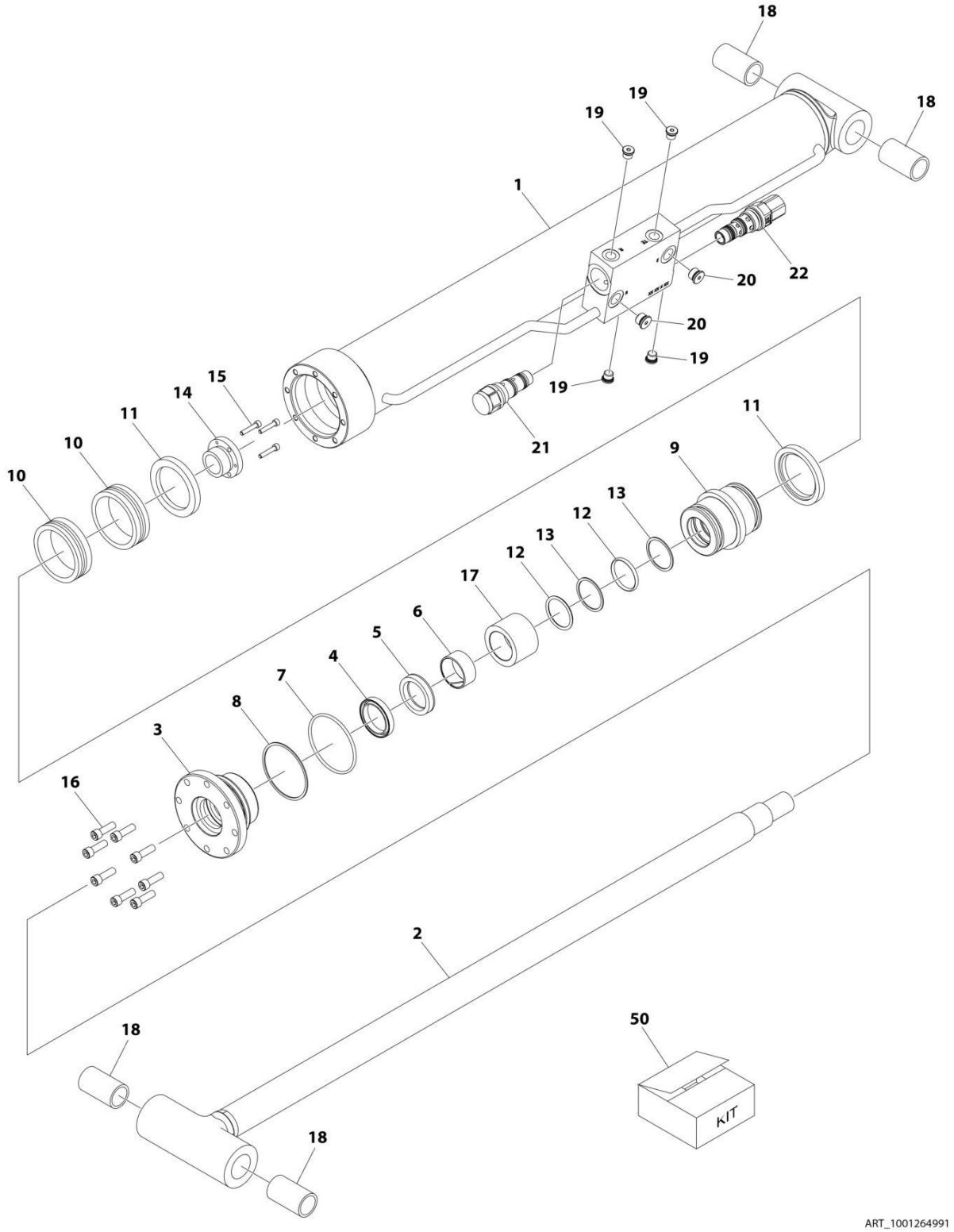


FIGURE 6-7. LIFT CYLINDER ASSEMBLY - JIB (460SJ HC3) (SN 0300278781 to Present, SN E300008843 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264991	Ref	LIFT CYLINDER ASSEMBLY - JIB	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001264991)	
2	70006734	1	Rod	
3	70006649	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 50)	
5	See Note	NSS	Seal, Rod (Note: Use Item 50)	
6	See Note	NSS	Ring, Wear (Note: Use Item 50)	
7	See Note	NSS	O-Ring (Note: Use Item 50)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
9	70006650	1	Piston	
10	See Note	NSS	Ring, Hydro Lock (Note: Use Item 50)	
11	See Note	NSS	Ring, Guide Lock (Note: Use Item 50)	
12	See Note	NSS	O-Ring (Note: Use Item 50)	
13	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
14	0961893	1	Bushing, Tapered	
15	0630534	3	Capscrew	
16	70006735	8	Capscrew	
17	70006736	1	Spacer	
18	0962336	4	Bearing	
19	70023370	4	Plug	
20	70023371	2	Plug	
21	4640509	1	Cartridge, Counterbalance Valve	
21	2900792	1	Seal Kit - 4640509 Valve	
22	1001263800	1	Cartridge, Counterbalance Valve	
22	70004186	1	Seal Kit - 1001263800 Valve	
50	1001138795	1	Seal Kit - 1001264991 Cylinder (Includes Items 4-8 & 10-13)	

FIGURE 6-8. LIFT CYLINDER ASSEMBLY - BOOM (400S HC3)

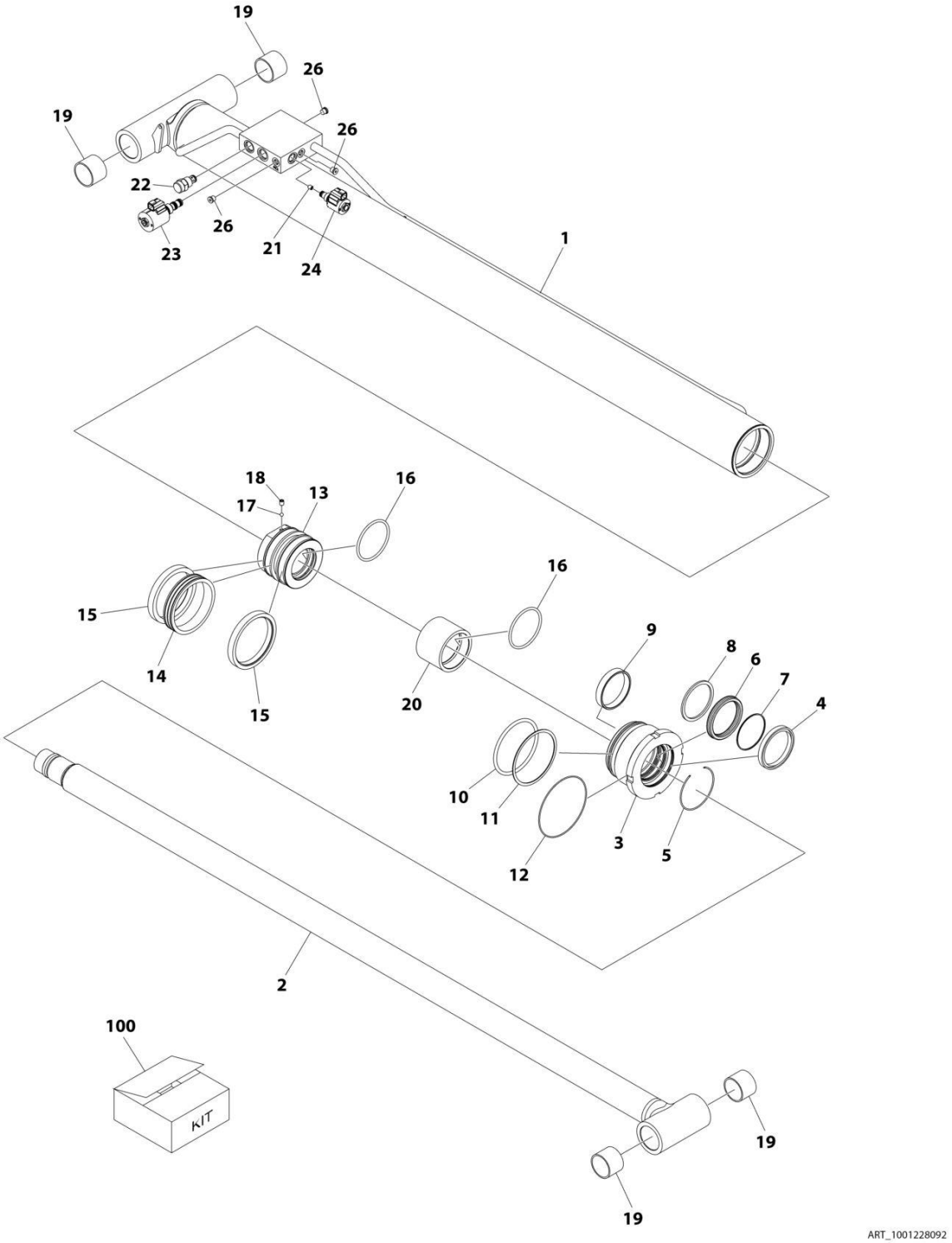


FIGURE 6-8. LIFT CYLINDER ASSEMBLY - BOOM (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228092	Ref	LIFT CYLINDER ASSEMBLY - MAIN BOOM	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Use p/n 1001228092)	
2	70006702	1	Rod	
3	70006703	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70050795	1	Ring, Retainer	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	O-Ring (Note: Use Item 100)	
8	See Note	NSS	Ring (Note: Use Item 100)	
9	70006636	1	Ring, Wear	
10	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
12	See Note	NSS	O-Ring (Note: Use Item 100)	
13	70006704	1	Piston	
14	See Note	NSS	Seal (Note: Use Item 100)	
15	See Note	NSS	Ring, Wear (Note: Use Item 100)	
16	See Note	NSS	Seal (Note: Use Item 100)	
17	70022564	1	Ball	
18	70023369	1	Setscrew M8 x 10	
19	0961950	4	Bearing	
20	70006705	1	Spacer	
21	70004231	1	Orifice	
22	4641390	1	Cartridge, Check Valve	
22	7017496	1	Seal Kit - 4641390 Valve	
23	1001206625	1	Cartridge, Valve (Includes Coil)	
23	70006104	1	Cartridge, Less Coil	
23	70006105	1	Seal Kit - 70006104 & 1001206625 Cartridges	
23	70003788	1	Coil	
23	7022390	1	Nut, Coil	
24	1001164709	1	Cartridge, Valve (Includes Coil)	
24	7017467	1	Cartridge, Less Coil	
24	7012998	1	Seal Kit - 7017467 & 1001164709 Cartridges	
24	70002386	1	Coil	
26	2220883	3	Plug #4	
100	70006706	1	Seal Kit - 1001228092 Cylinder (Includes Item 4, 6-8, 10-12 & 14-16)	

FIGURE 6-9. LIFT CYLINDER ASSEMBLY - BOOM (460SJ HC3)

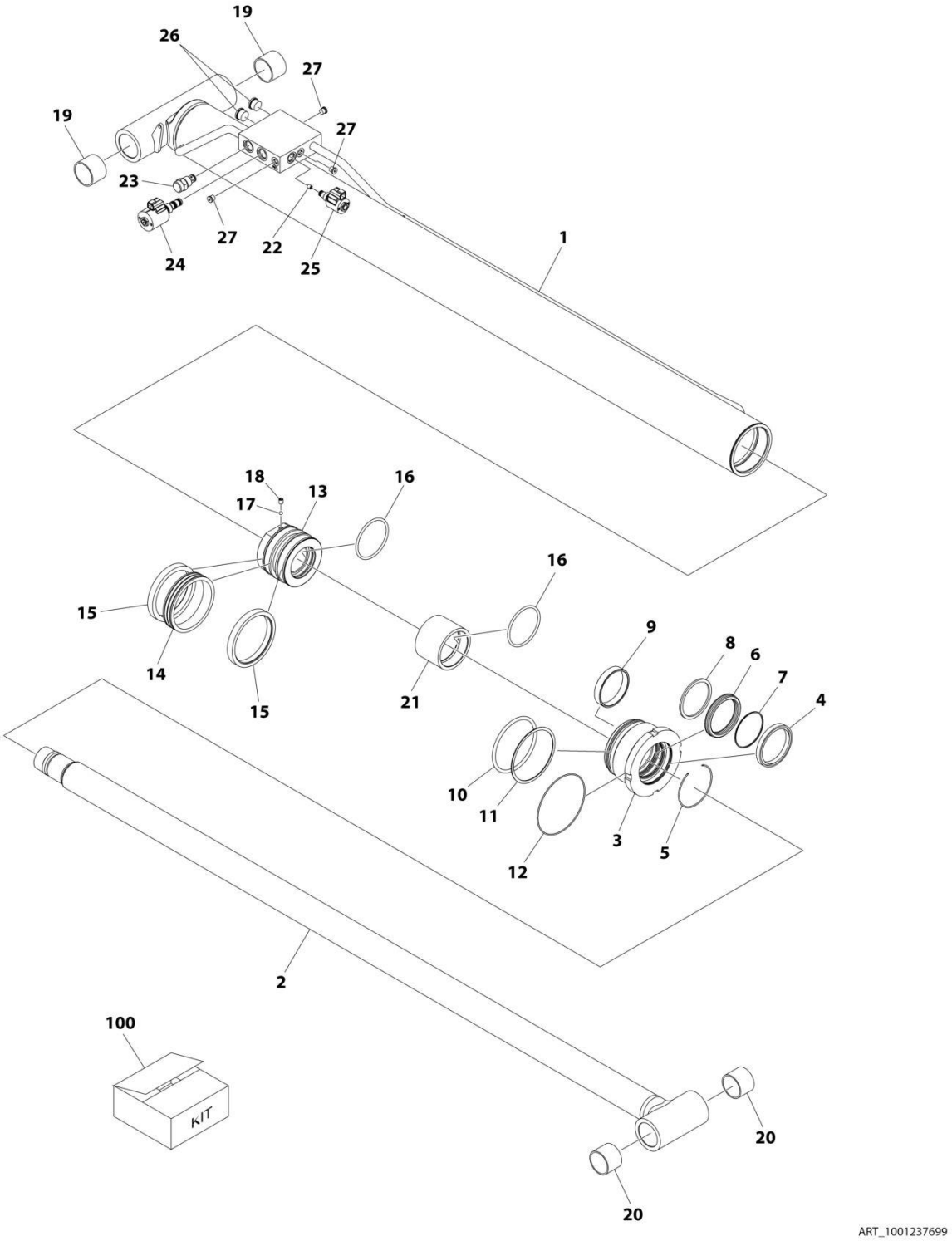


FIGURE 6-9. LIFT CYLINDER ASSEMBLY - BOOM (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237699	Ref	LIFT CYLINDER ASSEMBLY- MAIN BOOM	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Use p/n 1237699)	
2	70007150	1	Rod	
3	70007151	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70050795	1	Ring, Retainer	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring (Note: Use Item 100)	
8	See Note	NSS	Ring (Note: Use Item 100)	
9	70006636	1	Ring, Wear	
10	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
12	See Note	NSS	O-Ring (Note: Use Item 100)	
13	70007152	1	Piston	
14	See Note	NSS	Seal (Note: Use Item 100)	
15	See Note	NSS	Ring, Wear (Note: Use Item 100)	
16	See Note	NSS	O-Ring (Note: Use Item 100)	
17	70022564	1	Ball	
18	70023369	1	Setscrew M8 x 10	
19	0961950	2	Bearing	
20	70007153	2	Bearing	
21	70007154	1	Spacer	
22	70004231	1	Orifice	
23	4641390	1	Cartridge, Check Valve	
23	7017496	1	Seal Kit - 4641390 Valve	
24	1001206625	1	Cartridge, Valve (Includes Coil)	
24	70006104	1	Cartridge, Less Coil	
24	70006105	1	Seal Kit - 70006104 & 1001206625 Cartridges	
24	70003788	1	Coil	
24	7022390	1	Nut, Coil	
25	1001164709	1	Cartridge, Valve (Includes Coil)	
25	7017467	1	Cartridge, Less Coil	
25	7012998	1	Seal Kit - 7017467 & 1001164709 Cartridges	
25	70002386	1	Coil	
26	2220887	2	Plug	
27	2220883	3	Plug #4	
100	70006706	1	Seal Kit - 1001237699 Cylinder (Includes Item 4, 6-8, 10-12 & 14-16)	

FIGURE 6-10. MASTER CYLINDER ASSEMBLY (400S HC3)

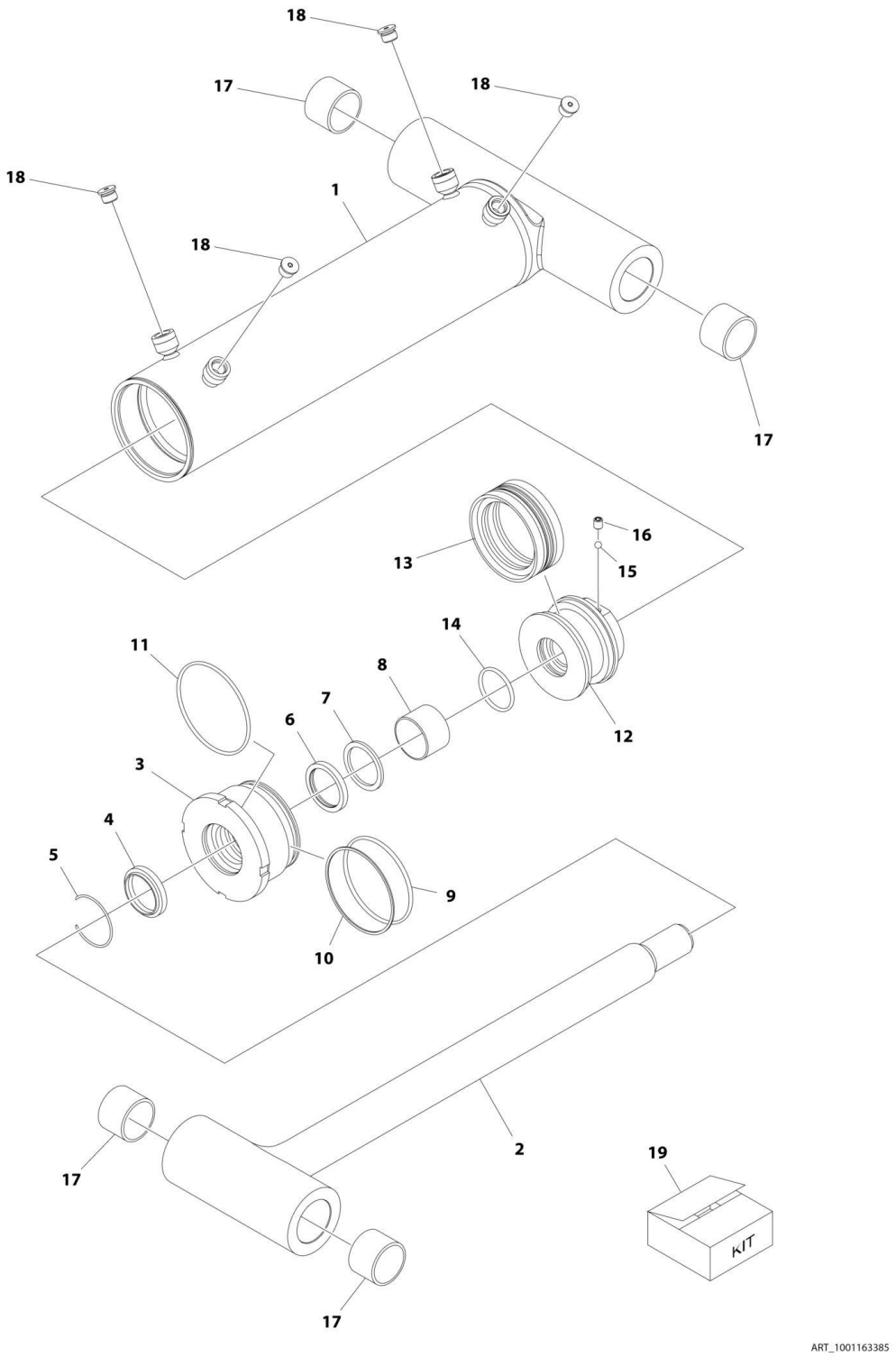


FIGURE 6-10. MASTER CYLINDER ASSEMBLY (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163385	Ref	MASTER CYLINDER ASSEMBLY	F
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005140	1	Barrel	
2	70005141	1	Rod	
3	70005142	1	Head, Cylinder	
4	See Note	NSS	Wiper (Note: Use Item 19)	
5	70002373	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 19)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 19)	
8	70005143	1	Bearing, Dry	
9	See Note	NSS	O-Ring (Note: Use Item 19)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 19)	
11	See Note	NSS	O-Ring (Note: Use Item 19)	
12	70005144	1	Piston	
13	See Note	NSS	Seal, Piston	
14	See Note	NSS	O-Ring (Note: Use Item 19)	
15	70022564	1	Ball	
16	70023369	1	Setscrew M8 x 31.75	
17	70005145	4	Bearing	
18	700023371	4	Plug 9/16	
19	70005146	1	Seal Kit - 1001163385 Cylinder (Includes Items 4, 6, 7, 9, 10, 11, 13 & 14)	

FIGURE 6-11. MASTER CYLINDER ASSEMBLY (460SJ HC3)

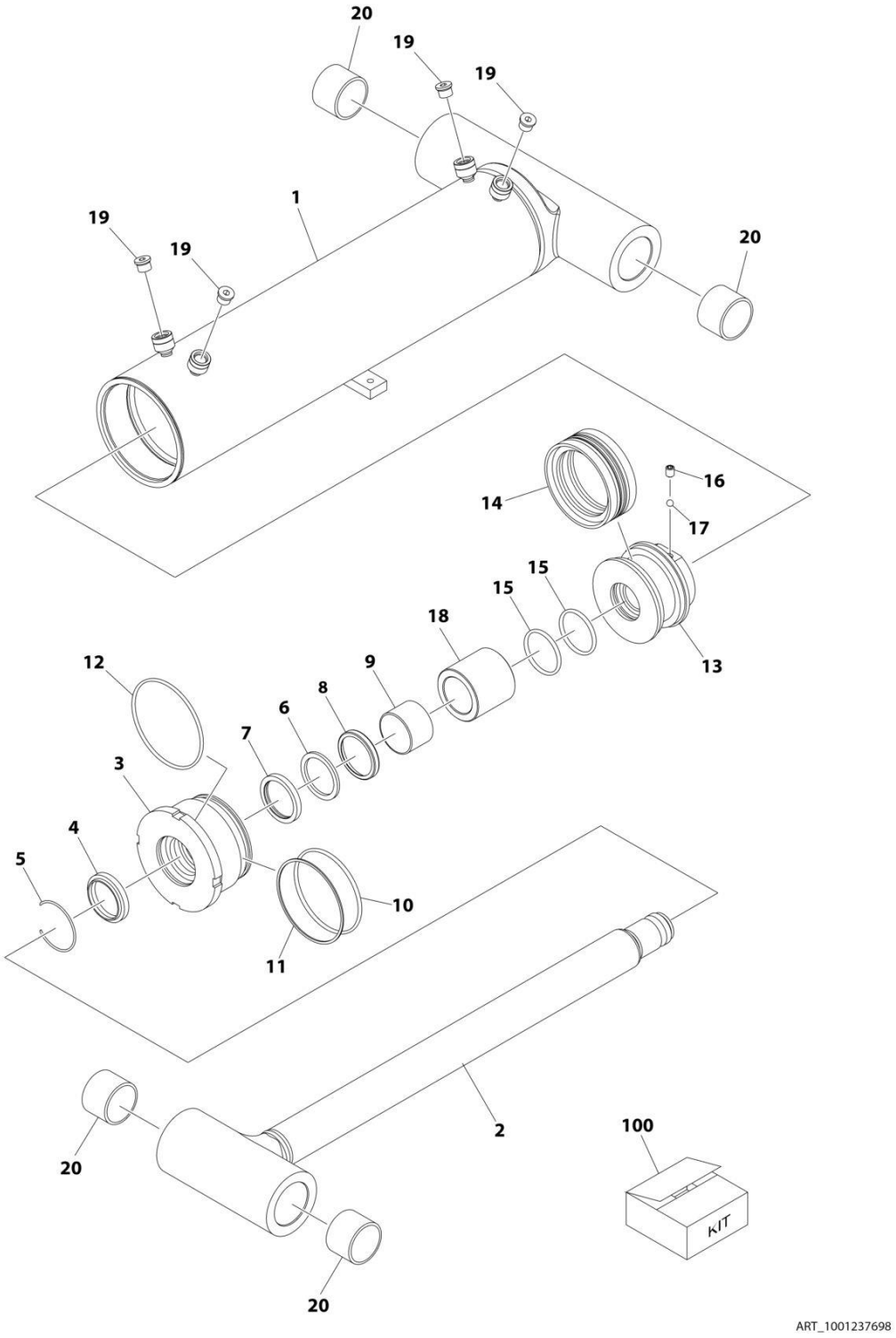


FIGURE 6-11. MASTER CYLINDER ASSEMBLY (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237698	Ref	MASTER CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel	
2	70007156	1	Rod	
3	70007157	1	Head, Cylinder	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70002410	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	See Note	1	Ring (Note: Use Item 100)	
9	70004237	1	Bearing, Dry	
10	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
12	See Note	NSS	O-Ring (Note: Use Item 100)	
13	70007161	1	Piston	
14	See Note	NSS	Seal, Piston	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	70023369	1	Setscrew M8 x 31.75	
17	70022564	1	Ball	
18	70007158	1	Spacer	
19	2220885	1	Plug 9/16	
20	70005145	4	Bearing	
100	70005146	1	Seal Kit - 1001237698 Cylinder (Includes Items 4, 6, 7, 8, 10, 11, 12, 14 & 15)	

FIGURE 6-12. STEER CYLINDER ASSEMBLY

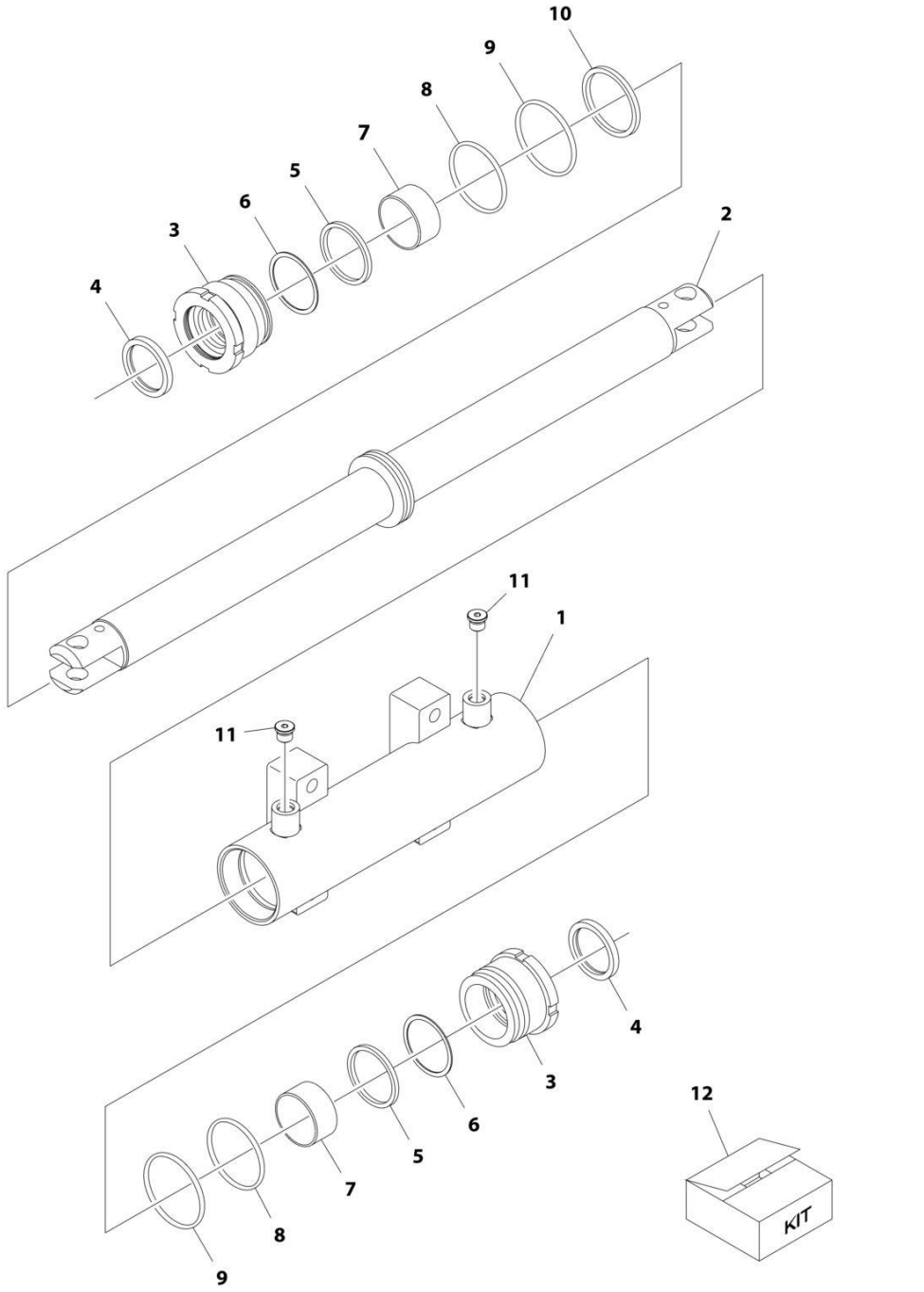


FIGURE 6-12. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163178	Ref	STEER CYLINDER ASSEMBLY	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005150	1	Barrel	
2	70005151	1	Rod	
3	70005152	2	Head	
4	See Note	NSS	Wiper (Note: Use Item 12)	
5	See Note	NSS	Seal, Rod (Note: Use Item 12)	
6	See Note	NSS	Ring, Back-up (Note: Use Item 12)	
7	70005153	2	Bearing, Dry	
8	See Note	NSS	O-Ring (Note: Use Item 12)	
9	See Note	NSS	O-Ring (Note: Use Item 12)	
10	See Note	NSS	Seal, Piston (Note: Use Item 12)	
11	See Note	2	Plug 9/16 (Note: Not Available for Purchase)	
12	70005154	1	Seal Kit - 1001163178 Cylinder (Includes Items 4-6 & 8-10)	

FIGURE 6-13. TELESCOPE CYLINDER ASSEMBLY (400S HC3)

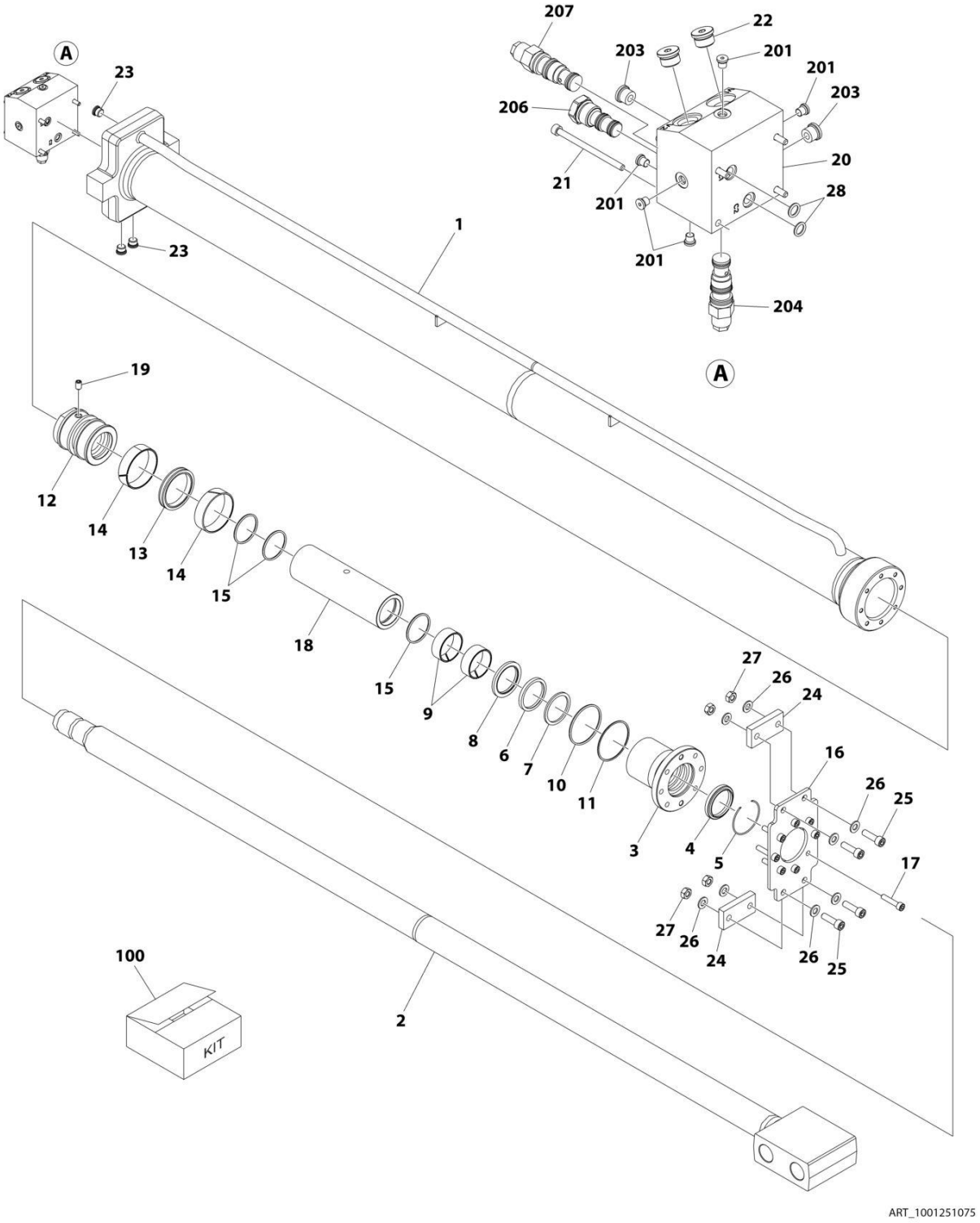


FIGURE 6-13. TELESCOPE CYLINDER ASSEMBLY (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251075	Ref	TELESCOPE CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Purchase Complete Assembly)	
2	70007062	1	Rod	
3	70007063	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70002412	1	Ring, Retaining	
6	See Note	NSS	Seal (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	See Note	NSS	Ring, Wear (Note: Use Item 100)	
9	See Note	NSS	Ring, Wear (Note: Use Item 100)	
10	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
12	70007064	1	Piston	
13	See Note	NSS	Seal (Note: Use Item 100)	
14	See Note	NSS	Ring, Wear (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	70007065	1	Plate	
17	70007066	8	Capscrew	
18	70007067	1	Spacer	
19	70006817	1	Set Screw	
20	1001166997	1	Valve Block Assembly (See Items 201-207 for Breakdown)	
21	70007068	4	Capscrew	
22	2220886	2	Plug, O-Ring	
23	2220885	3	Plug	
24	70007069	2	Pad, Wear	
25	70007070	4	Bolt	
26	70006344	8	Washer	
27	70007071	4	Nut	
28	See Note	NSS	O-Ring (Note: Use Item 100)	
100	70007072	1	Seal Kit - 1001251075 Cylinder (Includes Items 4, 6-11, 13-15 & 28)	
	1001166997	Ref	VALVE BLOCK ASSEMBLY	
201	2220881	5	Plug	
203	2220885	2	Plug	
204	4640452	1	Cartridge, Counterbalance Valve	
204	2900770	1	Seal Kit - 4640452 Valve	
206	1001165363	1	Cartridge, Shuttle Valve	
206	7012518	1	Seal Kit - 1001165363 Valve	
207	1001168209	1	Cartridge, Counterbalance Valve	
207	2900770	1	Seal Kit - 1001168209 Valve	

FIGURE 6-14. TELESCOPE CYLINDER ASSEMBLY (460SJ HC3)

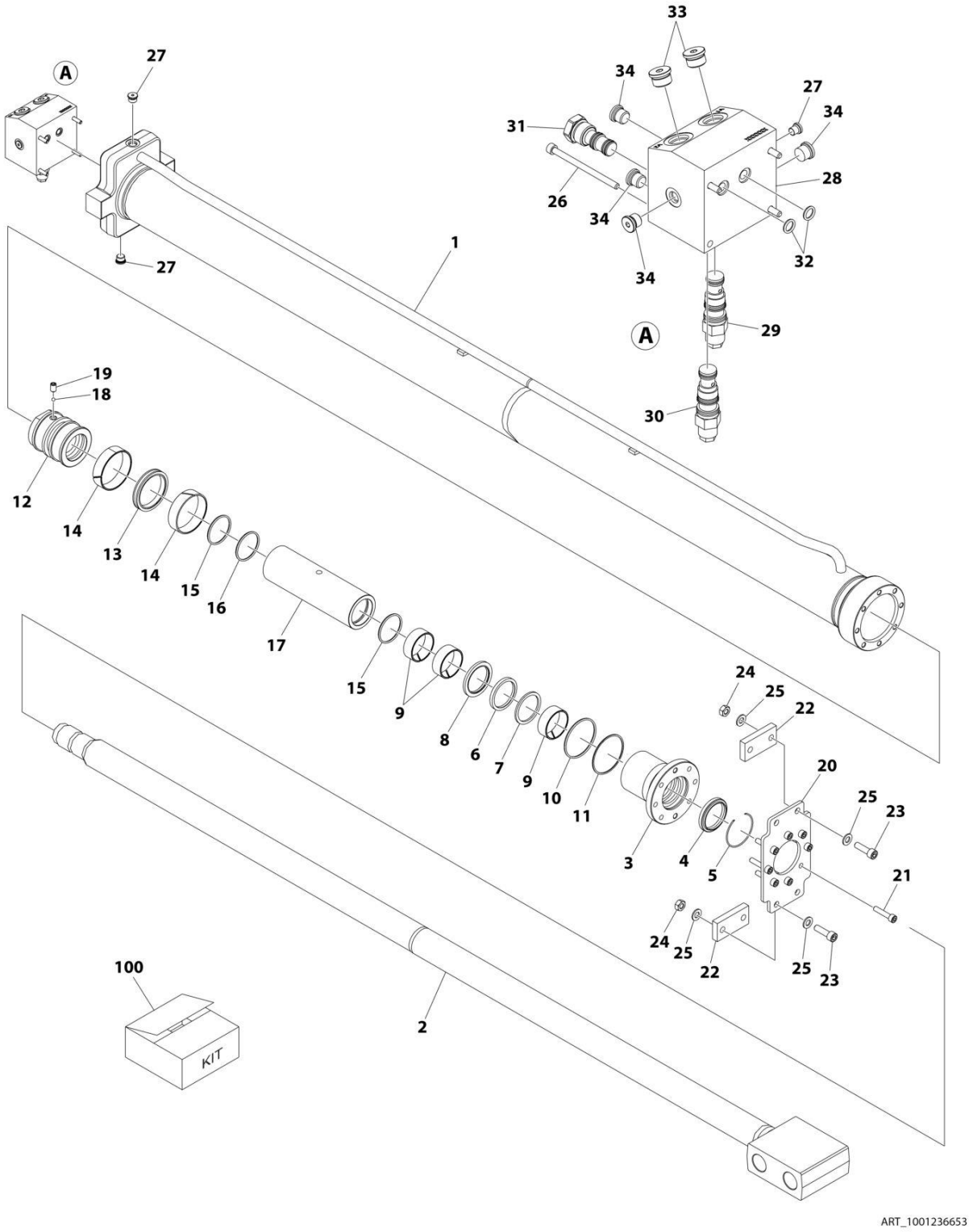


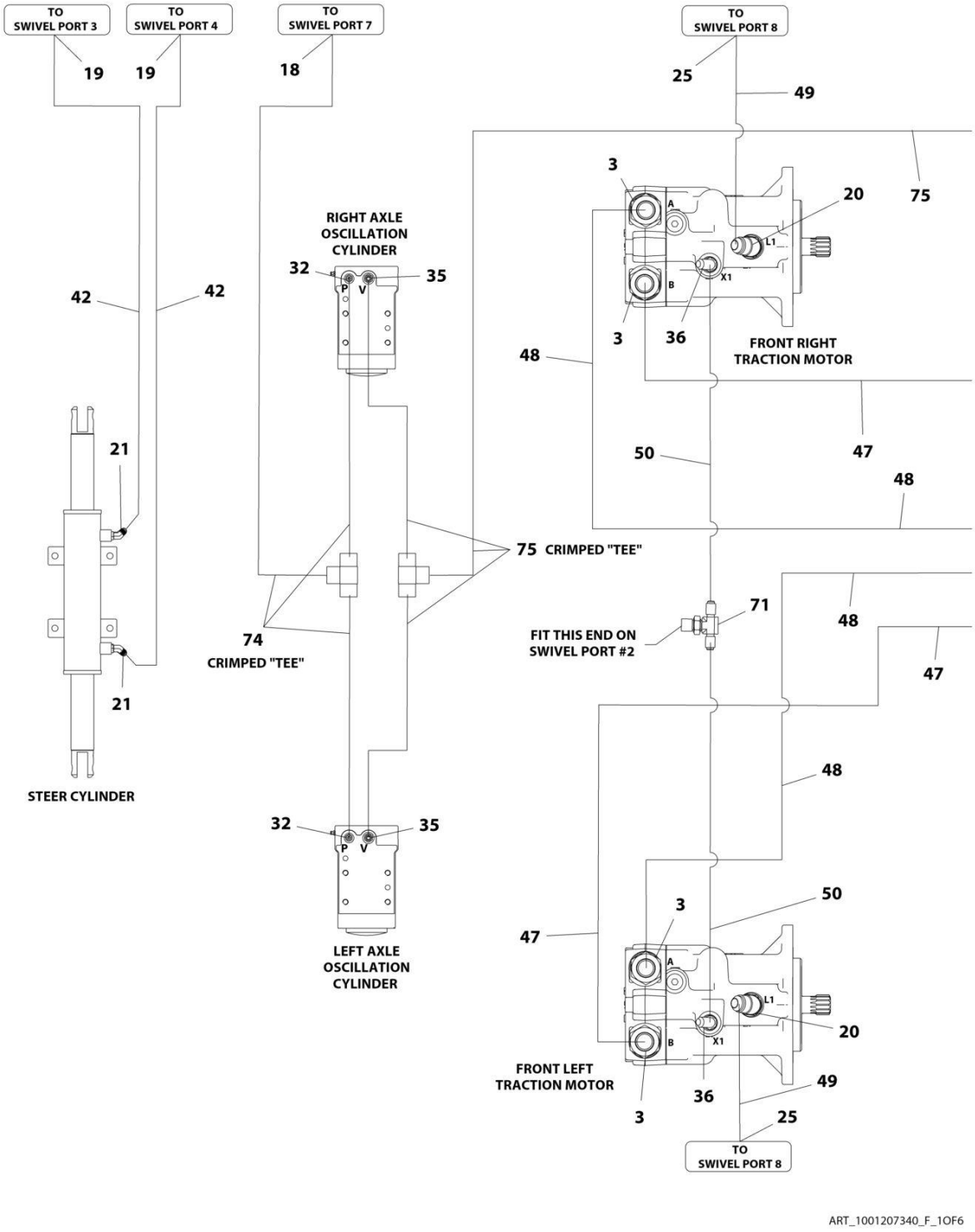
FIGURE 6-14. TELESCOPE CYLINDER ASSEMBLY (460SJ HC3)

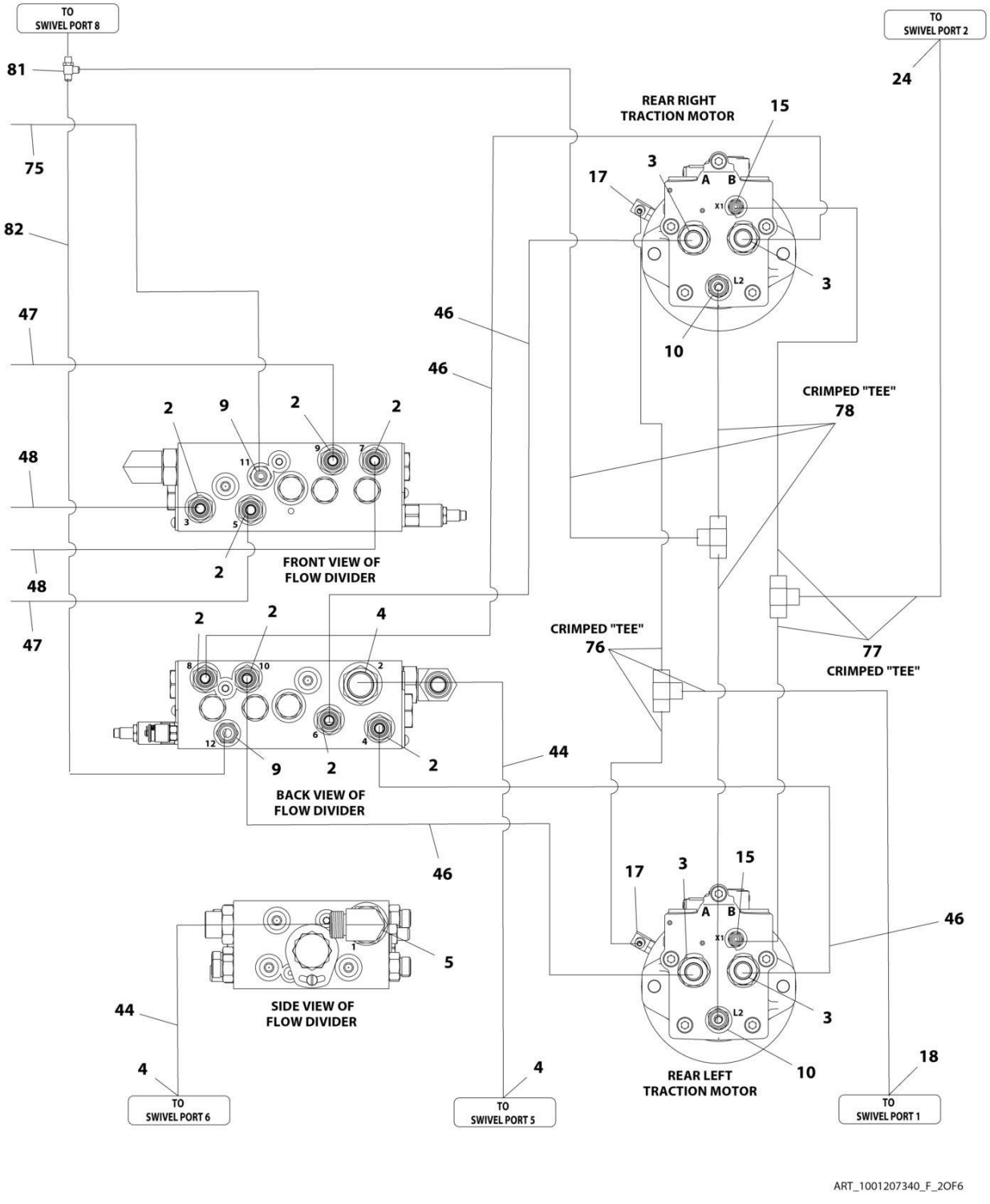
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236653	Ref	TELESCOPE CYLINDER ASSEMBLY	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Purchase Complete Assembly)	
2	70007162	1	Rod	
3	70007163	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70027244	1	Ring, Retaining	
6	See Note	NSS	Seal (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	See Note	NSS	Ring (Note: Use Item 100)	
9	See Note	NSS	Ring, Wear (Note: Use Item 100)	
10	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
12	70007164	1	Piston	
13	See Note	NSS	Seal (Note: Use Item 100)	
14	See Note	NSS	Ring, Wear (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	See Note	NSS	O-Ring (Note: Use Item 100)	
17	70007165	1	Spacer	
18	7022564	1	Ball	
19	70023369	1	Set Screw	
20	70007166	1	Plate	
21	70006982	8	Capscrew	
22	70007069	2	Pad, Wear	
23	70007070	4	Bolt	
24	70007071	4	Nut	
25	70006344	8	Washer	
26	70007068	4	Capscrew	
27	2220885	3	Plug	
28	See Note	NSS	Block, Valve (Note: Use P/N 1001236653. Not Sold as an Assembly - Purchase Individual Components)	
29	4640452	1	Cartridge, Counterbalance Valve	
29	2900770	1	Seal Kit - 4640452 Valve	
30	1001168209	1	Cartridge, Counterbalance Valve	
30	2900770	1	Seal Kit - 1001168209 Valve	
31	1001165363	1	Cartridge, Shuttle Valve	
31	7012518	1	Seal Kit - 1001165363 Valve	
32	See Note	NSS	O-Ring (Note: Use Item 100)	
33	2220886	2	Plug, O-Ring	
34	2220883	4	Plug	
100	70007072	1	Seal Kit - 1001236653 Cylinder (Includes Items 4, 6-11, 13-15 & 32)	

SECTION 7 - HYDRAULIC

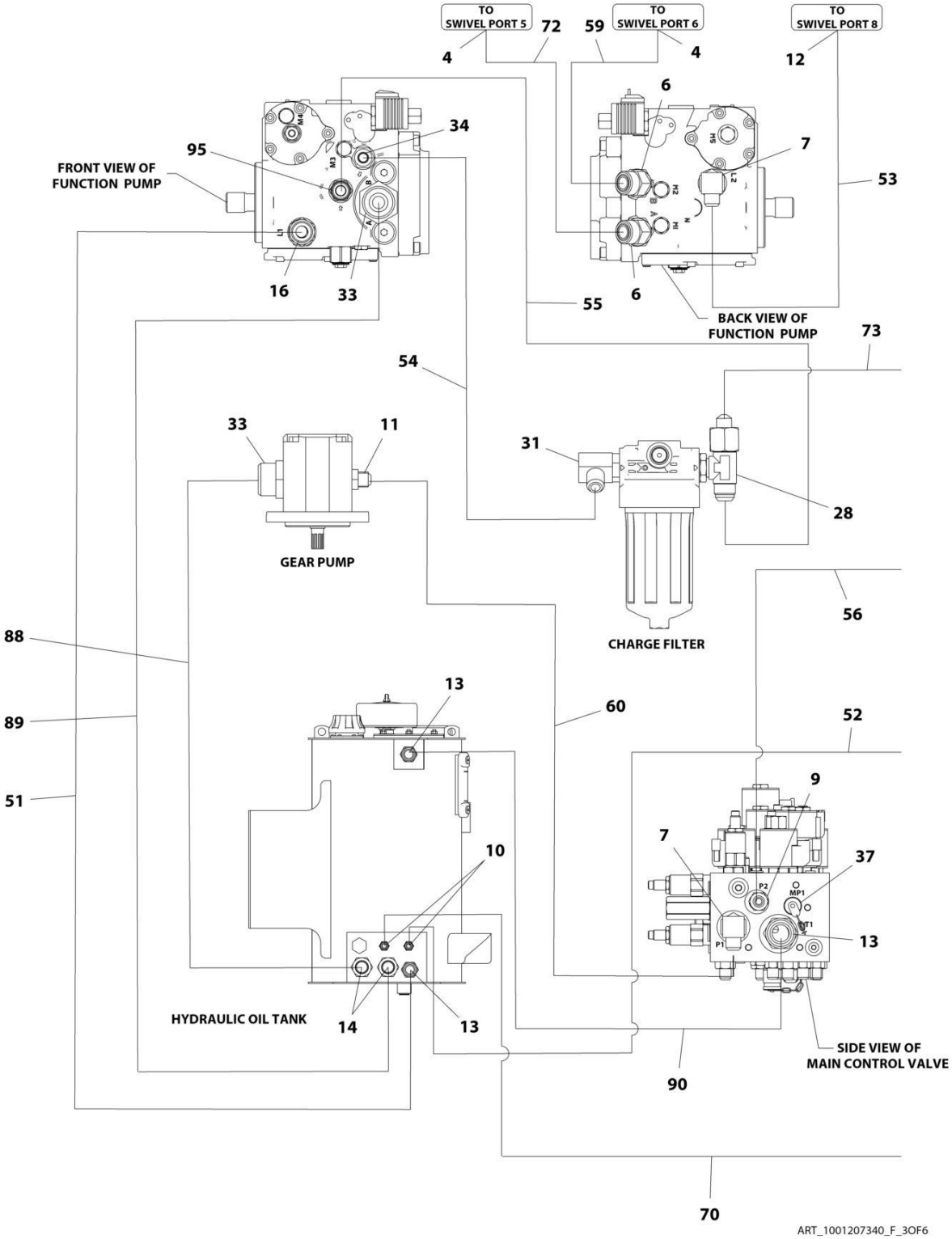
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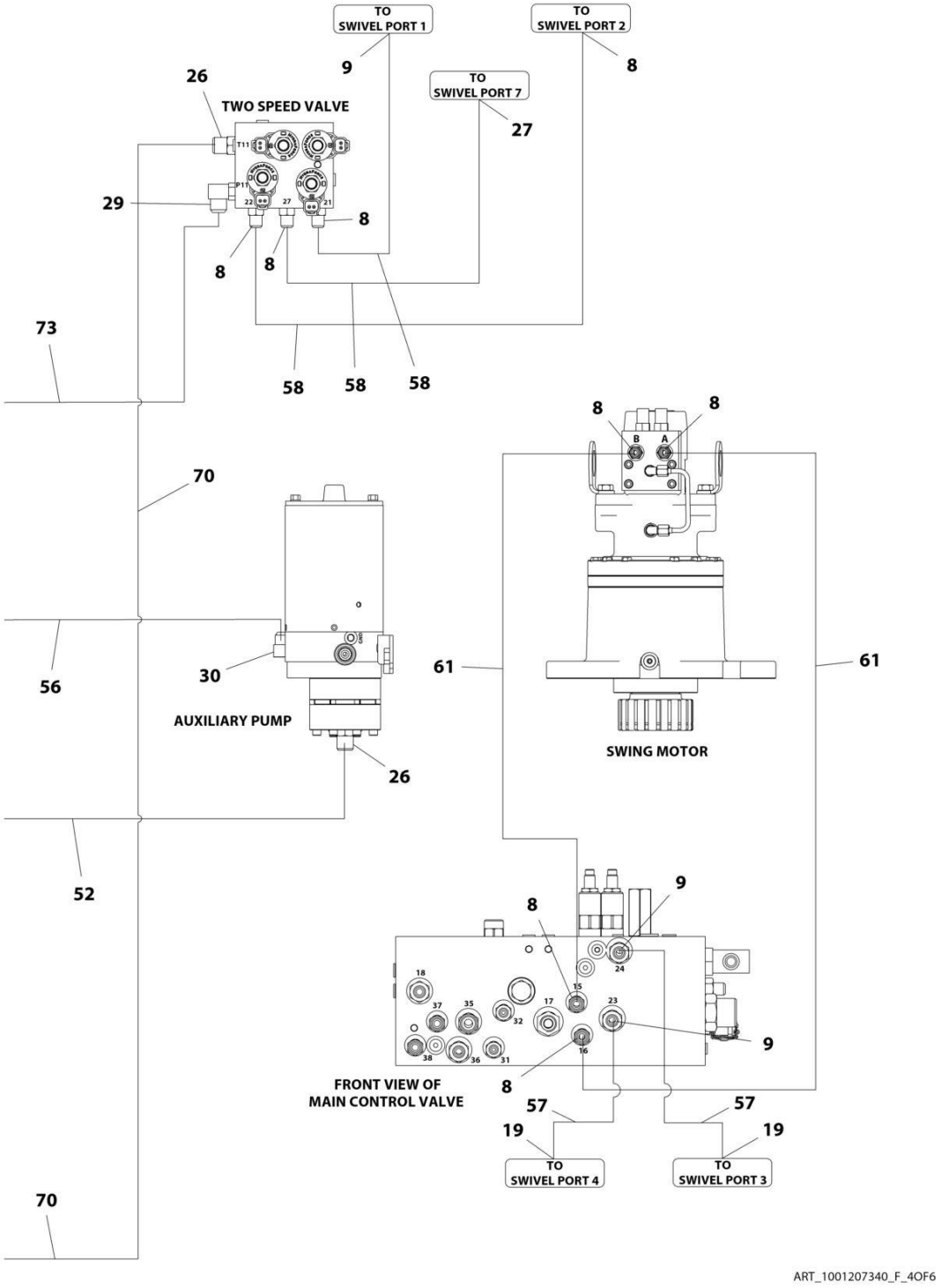
FIGURE 7-1. HYDRAULIC DIAGRAM - 400S HC3 (Prior to SN 0300271832, Prior to SN E300007991)

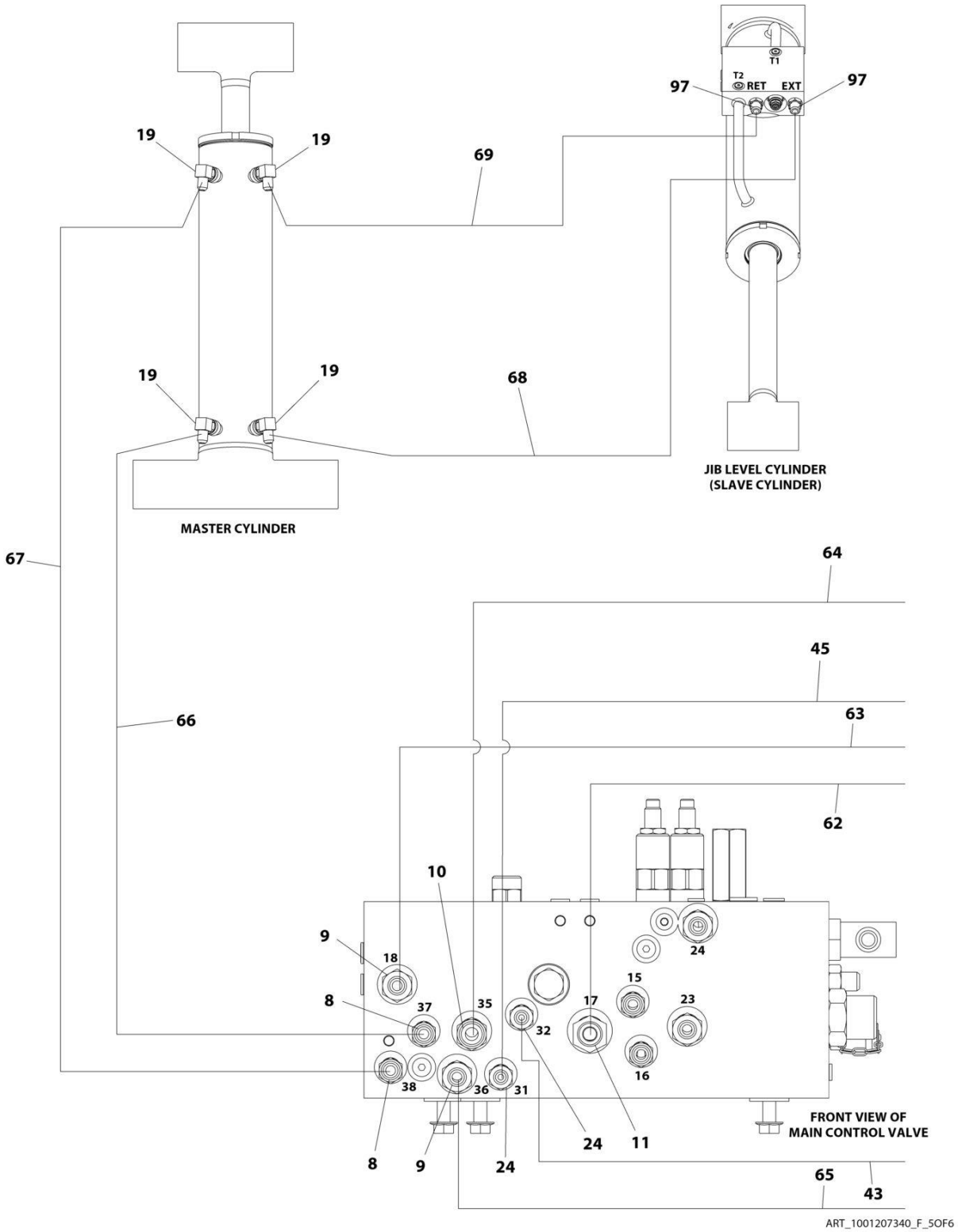


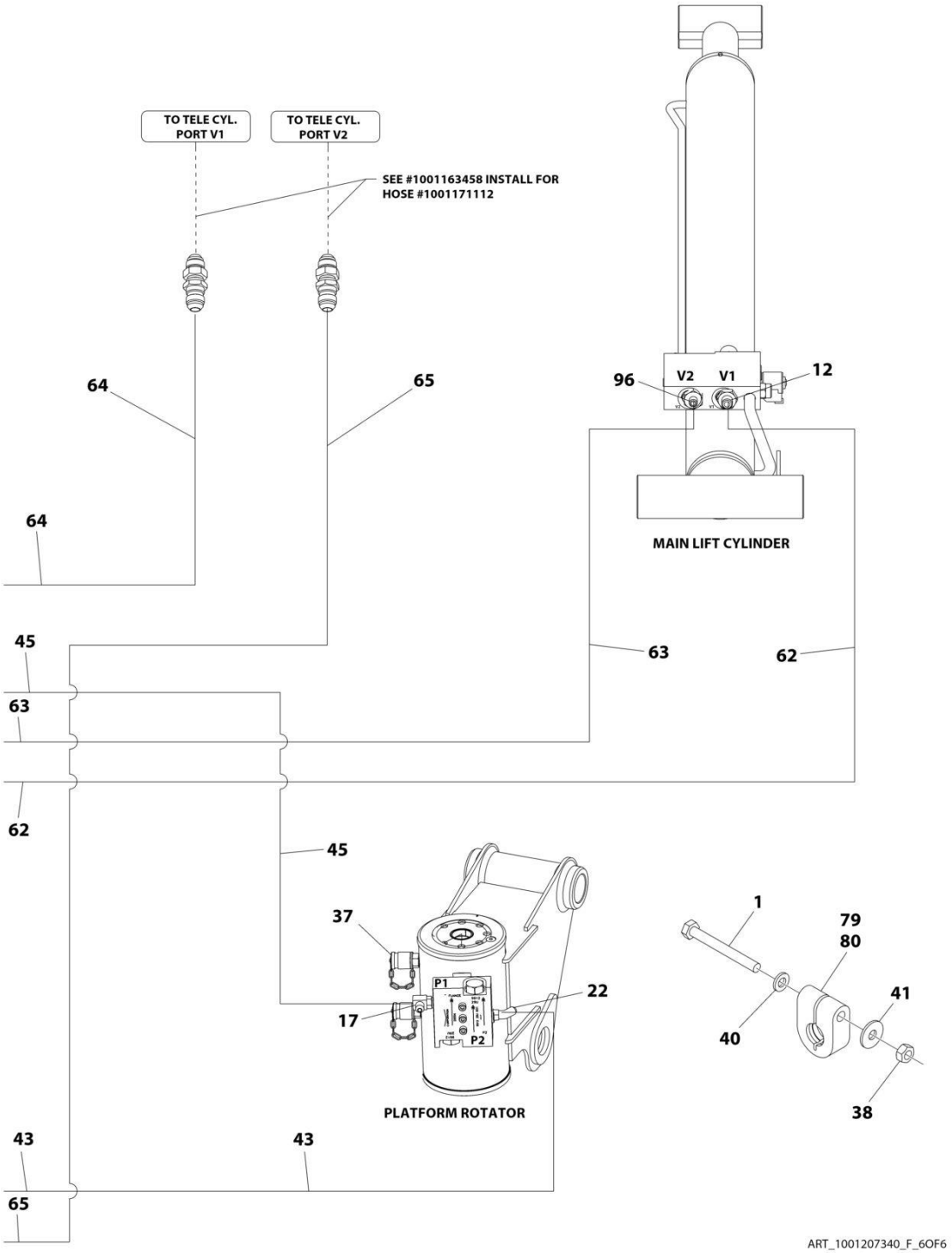


ART_1001207340_F_2OF6


TO SWIVEL PORT 5
TO SWIVEL PORT 6
TO SWIVEL PORT 8
4
72
59
4
12
6
7
53
95
34
FRONT VIEW OF FUNCTION PUMP
16
33
55
6
BACK VIEW OF FUNCTION PUMP
73
54
33
11
31
28
GEAR PUMP
CHARGE FILTER
56
88
89
51
13
60
52
9
7
37
10
13
HYDRAULIC OIL TANK
14
13
SIDE VIEW OF MAIN CONTROL VALVE
90
70
ART_1001207340_F_3OF6


TO SWIVEL PORT 1
TO SWIVEL PORT 2
TO SWIVEL PORT 7
TWO SPEED VALVE
AUXILIARY PUMP
SWING MOTOR
FRONT VIEW OF MAIN CONTROL VALVE
TO SWIVEL PORT 4
TO SWIVEL PORT 3
ART_1001207340_F_4OF6


T1
T2
RET
EXT
97
97
19
19
69
19
19
68
JIB LEVEL CYLINDER
(SLAVE CYLINDER)
MASTER CYLINDER
67
64
45
66
63
62
10
9
18
24
8
37
35
15
17
23
32
16
38
36
31
FRONT VIEW OF
MAIN CONTROL VALVE
8
9
24
24
11
65
43
ART_1001207340_F_5OF6


TO TELE CYL. PORT V1
TO TELE CYL. PORT V2
SEE #1001163458 INSTALL FOR HOSE #1001171112
64
65
64
96
V2
V1
12
MAIN LIFT CYLINDER
45
63
62
63
62
45
37
P1
22
17
P2
PLATFORM ROTATOR
1
79
80
41
40
38
43
43
65
ART_1001207340_F_6OF6

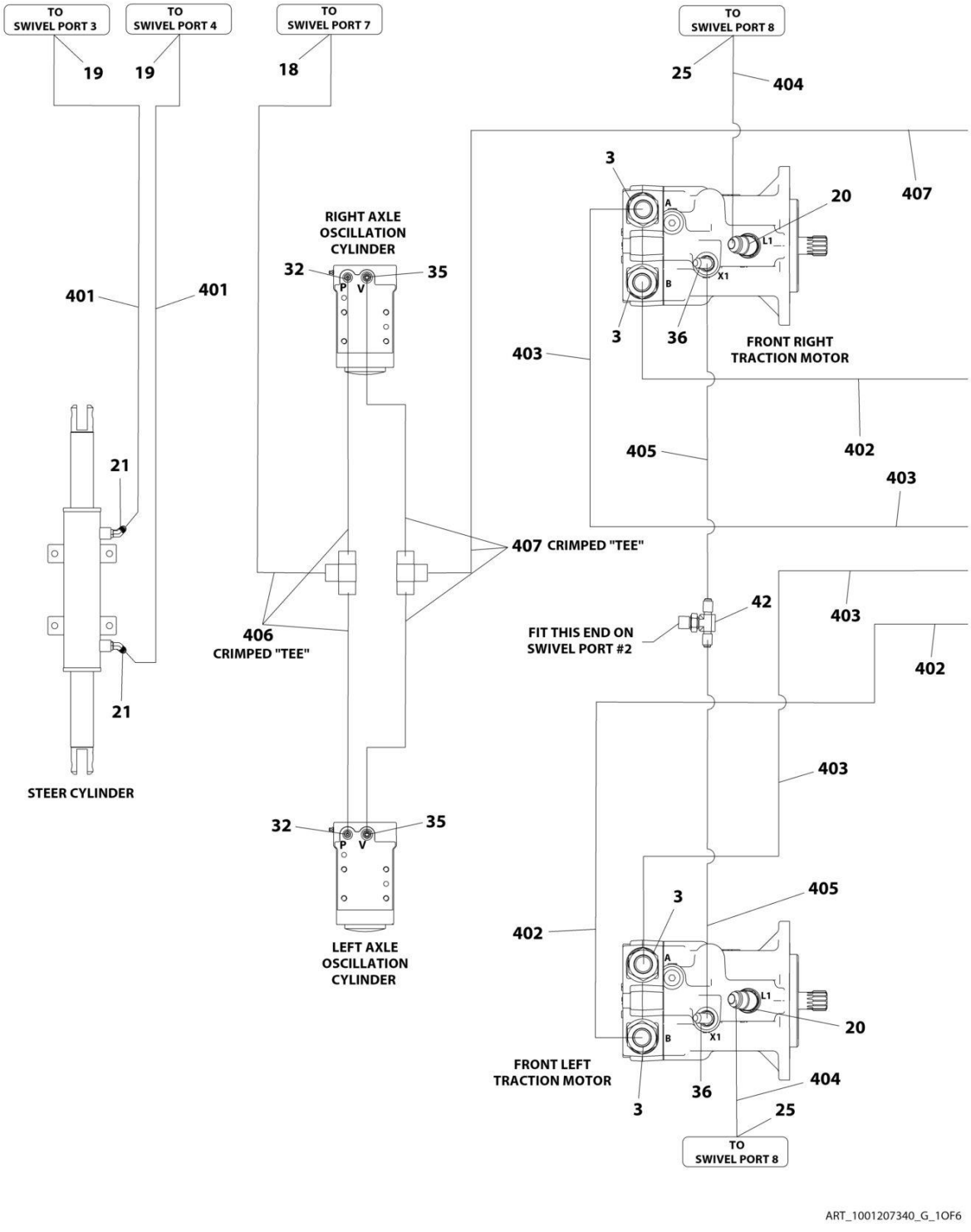
SECTION 7 - HYDRAULIC

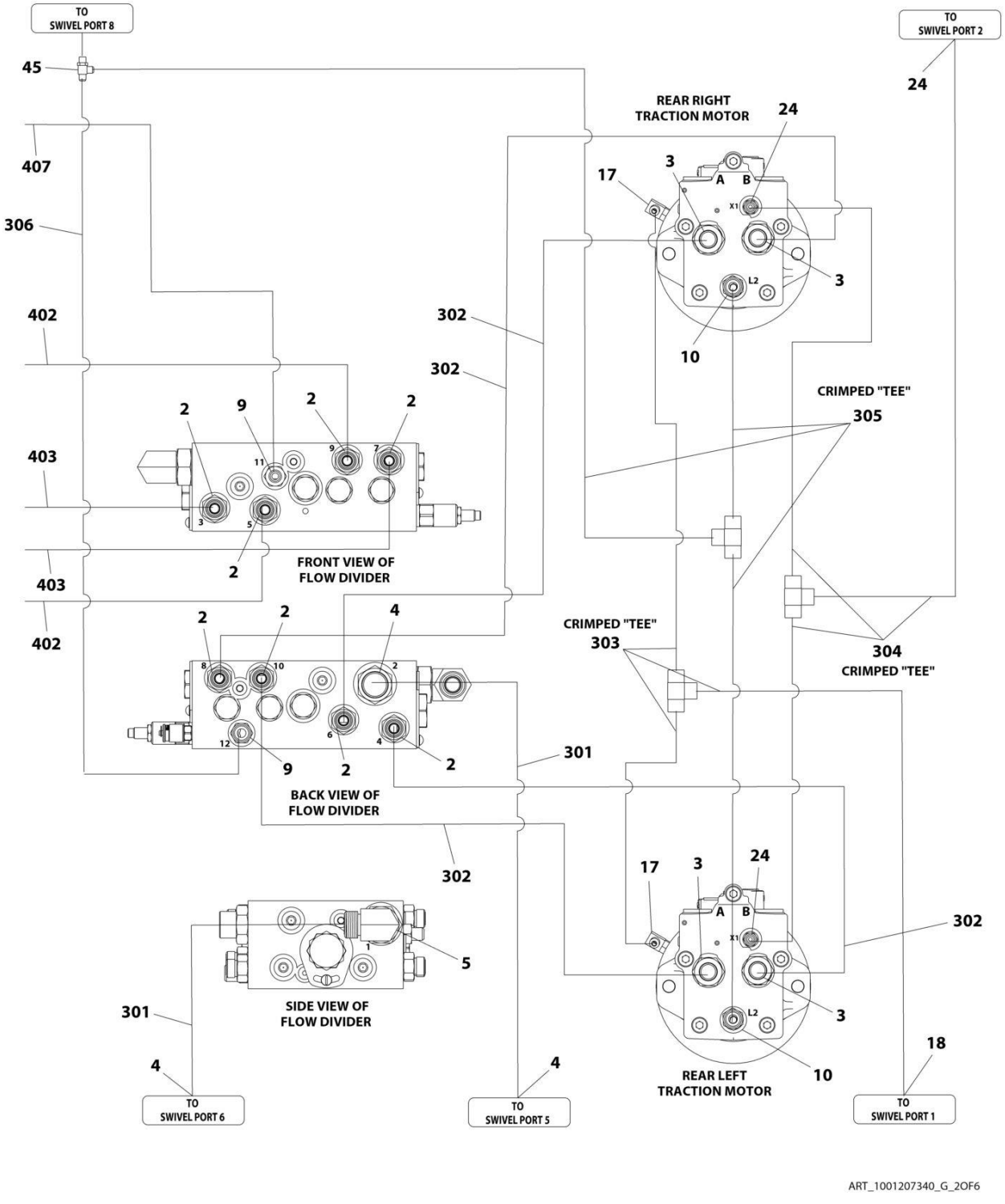
FIGURE 7-1. HYDRAULIC DIAGRAM - 400S HC3 (Prior to SN 0300271832, Prior to SN E300007991)

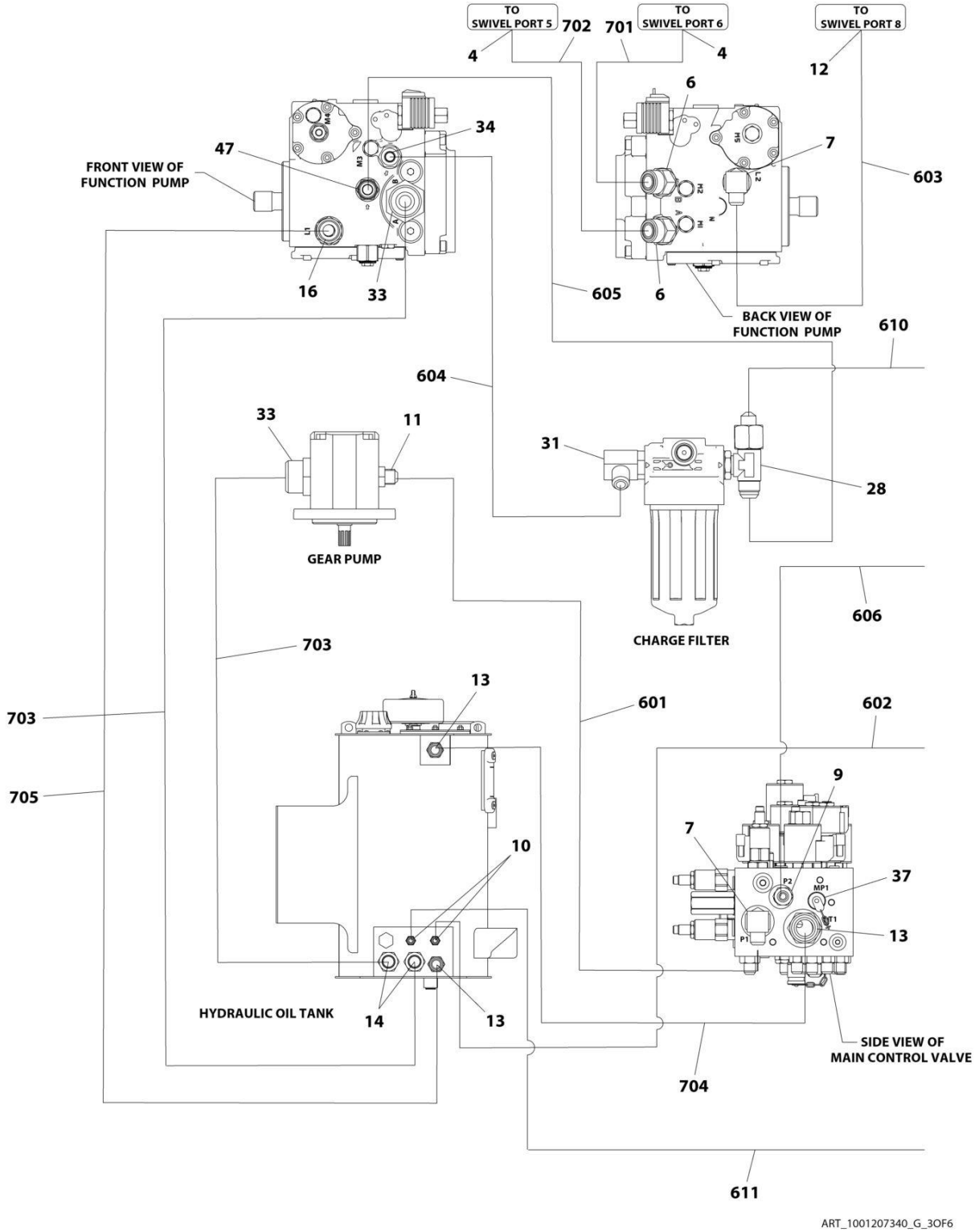
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207340	Ref	HYDRAULIC SYSTEM INSTALLATION	F
1	0700619	2	Bolt M6 x 55	
2	2110810	8	Fitting, Straight ORFS/ORB	
3	2110812	8	Fitting, Straight ORFS/ORB	
4	2111216	5	Fitting, Straight ORFS/ORB	
5	2131216	1	Fitting, 90 ORFS/ORB	
6	2131212	2	Fitting, 90 ORFS/ORB	
7	2220366	2	Fitting, 90 JIC/ORB	
8	2220371	10	Fitting, Straight JIC/ORB	
9	2220372	8	Fitting, Straight JIC/ORB	
10	2220373	5	Fitting, Straight JIC/ORB	
11	2220374	3	Fitting, Straight JIC/ORB	
12	2220375	1	Fitting, Straight JIC/ORB	
13	2220377	3	Fitting, Straight JIC/ORB	
14	1001202910	2	Fitting, Straight MORB	
15	2220415	2	Fitting, Straight JIC/ORB	
16	2220451	1	Fitting, Straight JIC/ORB	
17	2220466	3	Fitting, 90 JIC/ORB	
18	2220468	2	Fitting, Straight JIC/ORB	
19	2220473	8	Fitting, 90 JIC/ORB	
20	2220500	2	Fitting, 45 JIC/ORB	
21	2220501	2	Fitting, 45 JIC/ORB	
22	2220502	1	Fitting, 45 JIC/ORB	
24	2220582	3	Fitting, Straight JIC/ORB	
25	2220596	2	Fitting, 90 JIC/ORB	
26	2220600	2	Fitting, Straight JIC/ORB	
27	2220628	1	Fitting, 90 JIC/ORB	
28	2220695	1	Fitting, Tee JIC/ORB/JIC	
29	2220726	1	Fitting, 90 JIC/ORB	
30	2220775	1	Fitting, 90 JIC/ORB	
31	2220906	1	Fitting, 90 JIC/ORB	
32	2220923	2	Fitting, Straight JIC/ORB	
33	2220946	2	Fitting, Straight JIC/ORB	
34	2220947	1	Fitting, Straight JIC/ORB	
35	2220998	2	Fitting, Straight JIC/ORB	
36	2221040	2	Fitting, 45 JIC/ORB	
37	2221086	3	Fitting, Diagnostic Test Port	
38	3290601	2	Nut M6 x 1	
39	4240018	20	Tie-Strap (Not Shown)	
40	4811700	2	Washer M6	
41	4811702	2	Washer M6	
42	1001172692	2	Hose	
43	1001172694	1	Hose	
44	1001172695	2	Hose	
45	1001172696	1	Hose	
46	1001172697	4	Hose	
47	1001172698	2	Hose	
48	1001172699	2	Hose	
49	1001172703	2	Hose	
50	1001172707	2	Hose	

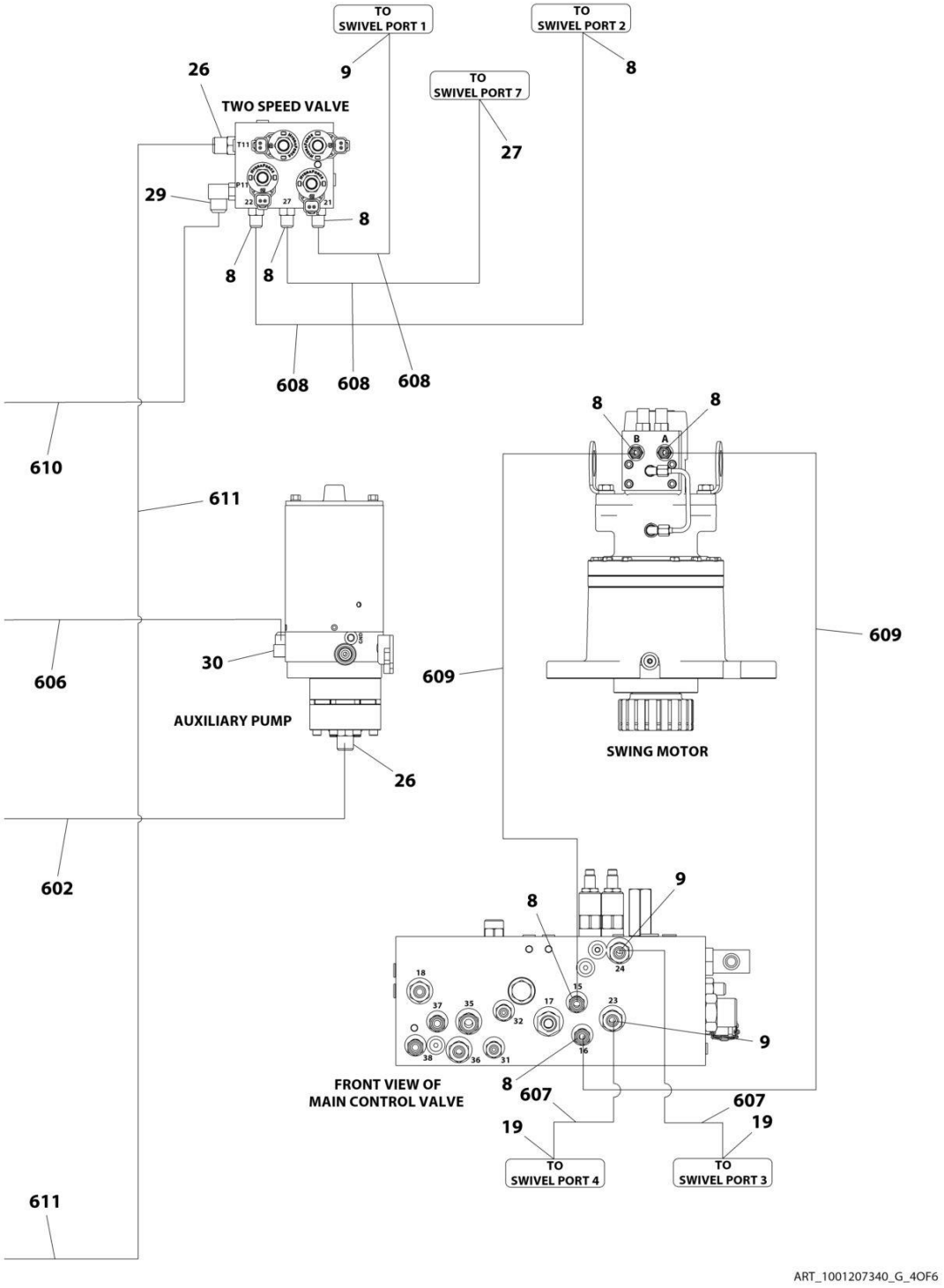
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	1001216655	1	Hose	
52	1001172716	1	Hose	
53	1001172717	1	Hose	
54	1001172718	1	Hose	
55	1001172719	1	Hose	
56	1001172721	1	Hose	
57	1001172722	2	Hose	
58	1001172723	3	Hose	
59	1001173898	1	Hose	
60	2752500	1	Hose	
61	1001173900	2	Hose	
62	1001173901	1	Hose	
63	1001173902	1	Hose	
64	1001173903	1	Hose	
65	1001173904	1	Hose	
66	1001173907	1	Hose	
67	1001173908	1	Hose	
68	1001173909	1	Hose	
69	1001173937	1	Hose	
70	1001193654	1	Hose	
71	1001175024	1	Fitting, Tee JIC/JIC/ORB	
72	1001181074	1	Hose	
73	1001181075	1	Hose	
74	1001184542	1	Hose	
75	1001184543	1	Hose	
76	1001184561	1	Hose	
77	1001184562	1	Hose	
78	1001184563	1	Hose	
79	1001191275	1	Clamp	
80	1001191276	1	Clamp	
81	1001197272	1	Fitting, Tee JIC/ORB/JIC	
82	1001197284	1	Hose	
88	1001207332	1	Hose	
89	1001207332	1	Hose	
90	1001207333	1	Hose	
94	80633030	2	Clamp, Hose (Not Shown)	
95	88662037	1	Fitting, Straight JIC/ORB	
96	2220497	1	Fitting, Straight JIC/ORB	
97	2220603	2	Fitting, Straight JIC/ORB	

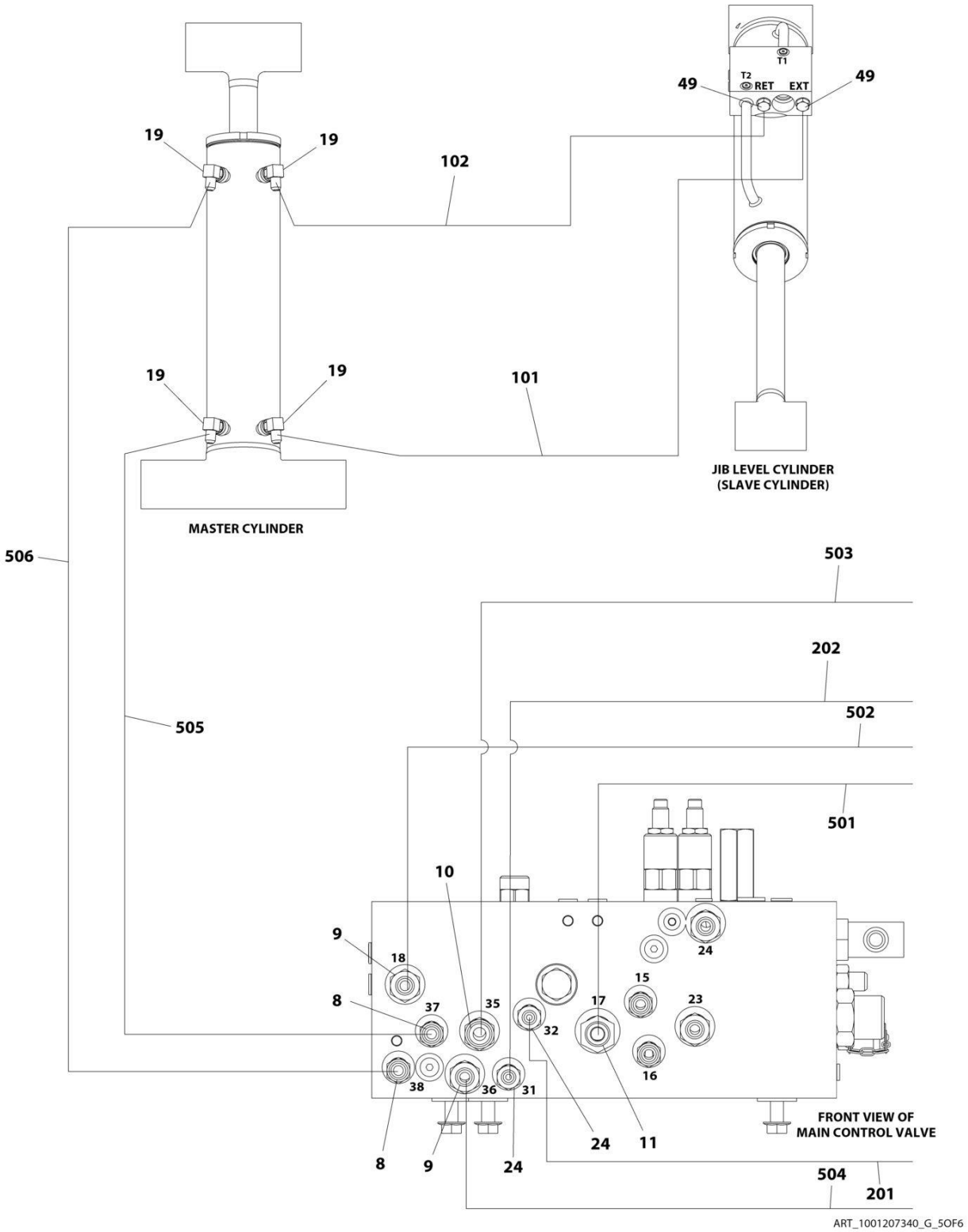
FIGURE 7-2. HYDRAULIC DIAGRAM - 400S HC3 (SN 0300271832 to Present, SN E300007991 to Present)




TO SWIVEL PORT 8
TO SWIVEL PORT 2
45
24
REAR RIGHT TRACTION MOTOR
407
306
402
302
403
CRIMPED "TEE"
305
FRONT VIEW OF FLOW DIVIDER
CRIMPED "TEE"
303
304
CRIMPED "TEE"
BACK VIEW OF FLOW DIVIDER
301
SIDE VIEW OF FLOW DIVIDER
REAR LEFT TRACTION MOTOR
18
TO SWIVEL PORT 6
TO SWIVEL PORT 5
TO SWIVEL PORT 1
ART_1001207340_G_2OF6


TO SWIVEL PORT 5
TO SWIVEL PORT 6
TO SWIVEL PORT 8
4
702
701
4
12
6
7
603
34
47
FRONT VIEW OF FUNCTION PUMP
16
33
605
6
BACK VIEW OF FUNCTION PUMP
610
604
33
11
31
28
GEAR PUMP
CHARGE FILTER
606
703
703
13
601
602
705
9
7
10
37
13
14
13
HYDRAULIC OIL TANK
SIDE VIEW OF MAIN CONTROL VALVE
704
611
ART_1001207340_G_3OF6


TO SWIVEL PORT 1
TO SWIVEL PORT 2
TO SWIVEL PORT 7
9
8
27
26
TWO SPEED VALVE
29
8
8
8
608
608
608
610
611
606
30
AUXILIARY PUMP
26
602
8
8
B
A
609
609
SWING MOTOR
9
8
24
18
37
35
32
17
15
23
9
38
36
31
16
8
FRONT VIEW OF
MAIN CONTROL VALVE
607
607
19
19
TO SWIVEL PORT 4
TO SWIVEL PORT 3
611
ART_1001207340_G_4OF6


T1
T2
RET
EXT
49
49
19
19
102
19
19
101
JIB LEVEL CYLINDER
(SLAVE CYLINDER)
MASTER CYLINDER
506
503
202
502
505
501
10
9
18
8
37
35
32
17
15
23
24
16
38
36
31
24
11
8
9
24
FRONT VIEW OF
MAIN CONTROL VALVE
504
201
ART_1001207340_G_5OF6

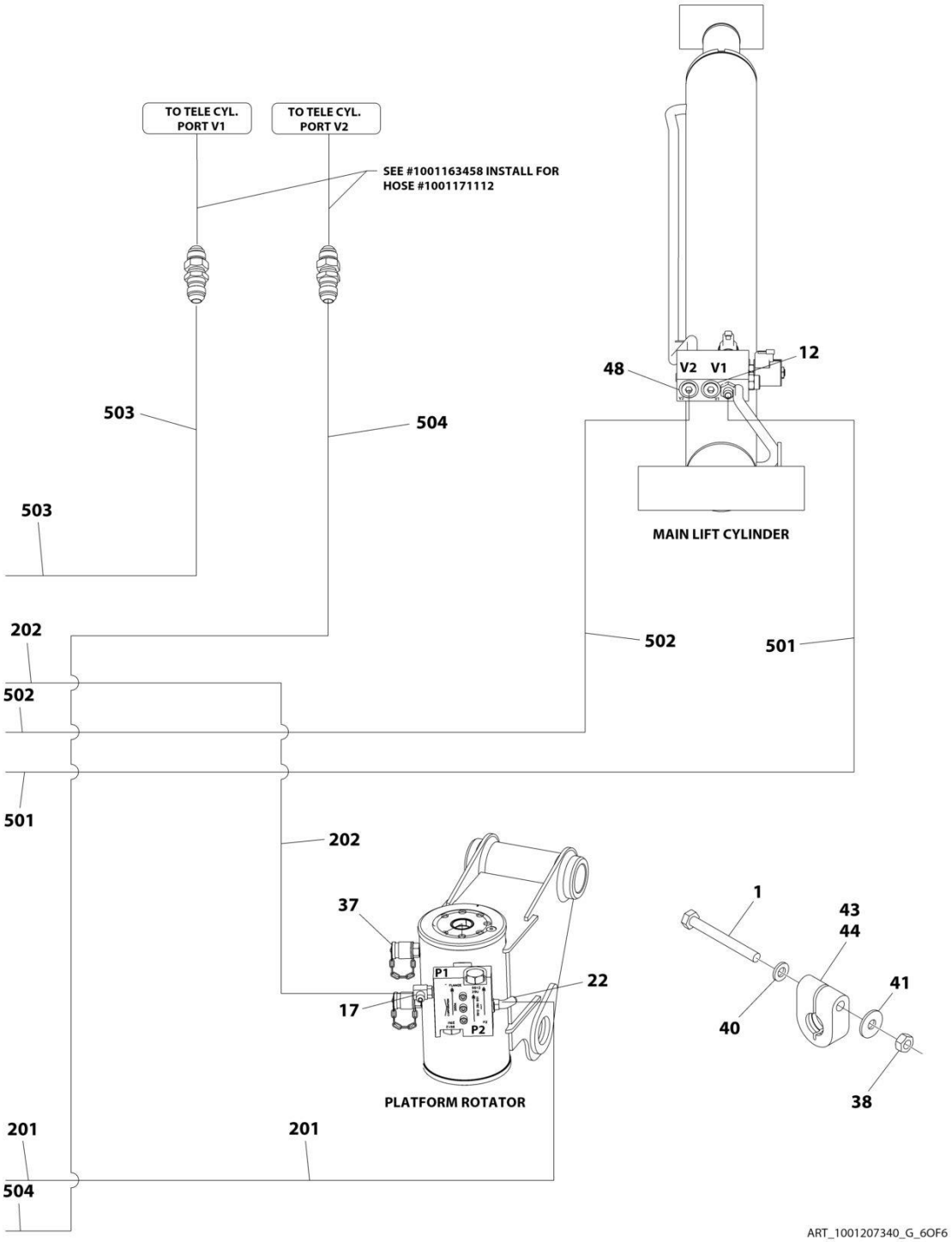

TO TELE CYL. PORT V1
TO TELE CYL. PORT V2
SEE #1001163458 INSTALL FOR HOSE #1001171112
503
504
503
48
V2
V1
12
MAIN LIFT CYLINDER
202
502
501
502
501
202
37
P1
P2
22
17
PLATFORM ROTATOR
1
43
44
41
40
38
201
504
201
ART_1001207340_G_6OF6

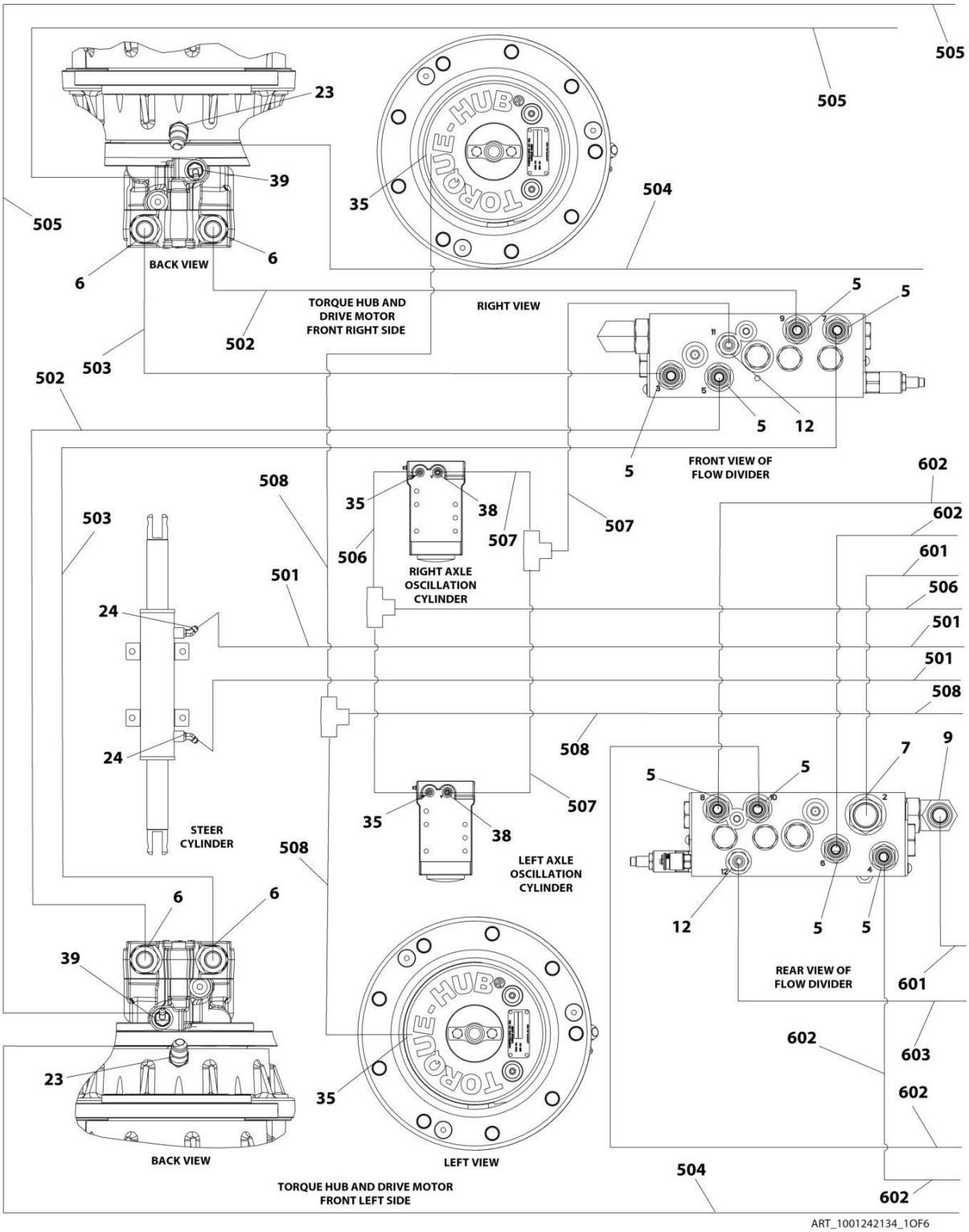
FIGURE 7-2. HYDRAULIC DIAGRAM - 400S HC3 (SN 0300271832 to Present, SN E300007991 to Present)

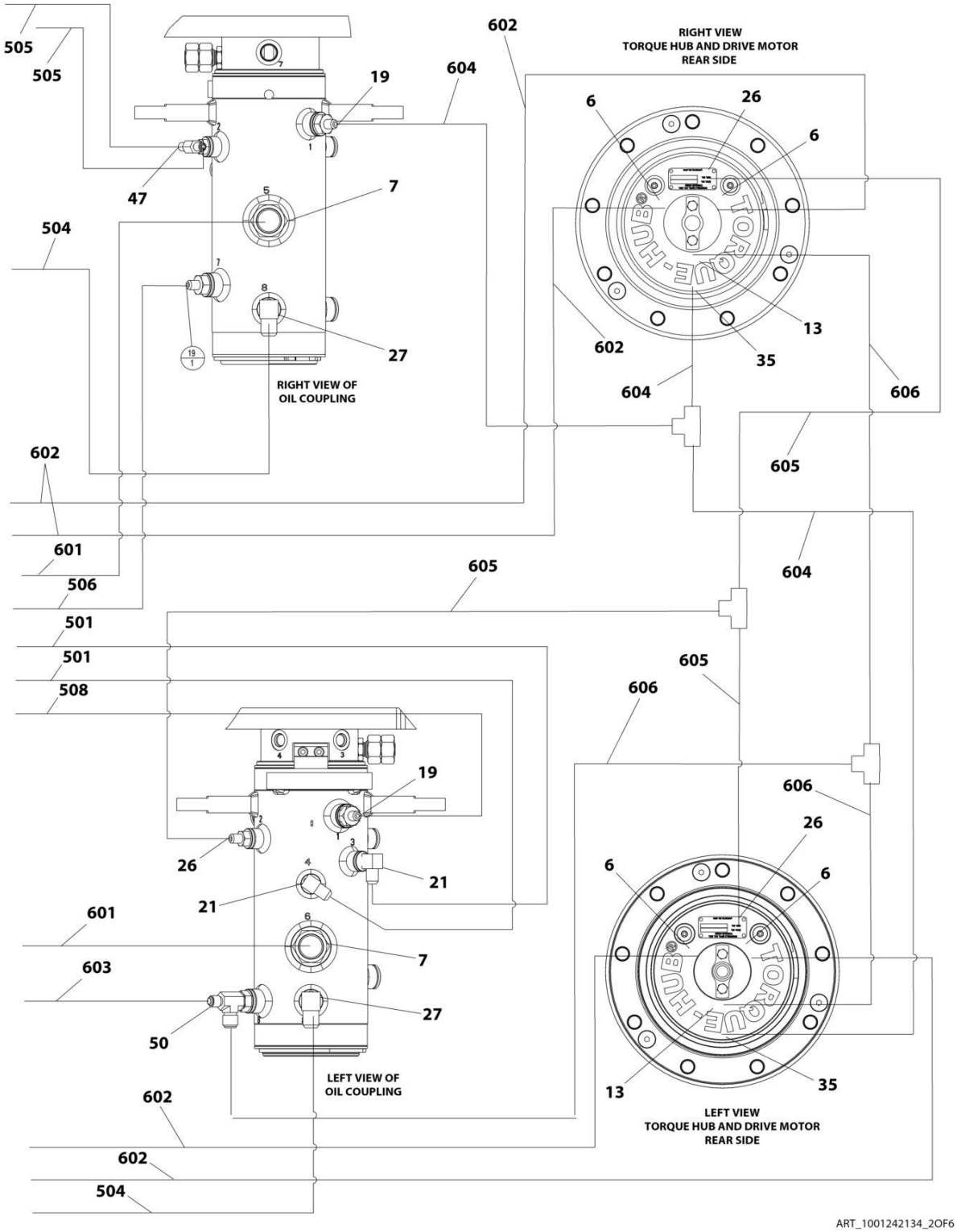
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207340	Ref	HYDRAULIC SYSTEM INSTALLATION	G
1	0700619	2	Bolt M6 x 55	
2	2110810	8	Fitting, Straight ORFS/ORB	
3	2110812	8	Fitting, Straight ORFS/ORB	
4	2111216	5	Fitting, Straight ORFS/ORB	
5	2131216	1	Fitting, 90 ORFS/ORB	
6	2131212	2	Fitting, 90 ORFS/ORB	
7	2220366	2	Fitting, 90 JIC/ORB	
8	2220371	10	Fitting, Straight JIC/ORB	
9	2220372	8	Fitting, Straight JIC/ORB	
10	2220373	5	Fitting, Straight JIC/ORB	
11	2220374	3	Fitting, Straight JIC/ORB	
12	2220375	1	Fitting, Straight JIC/ORB	
13	2220377	3	Fitting, Straight JIC/ORB	
14	1001202910	2	Fitting, Straight MORB	
16	2220451	1	Fitting, Straight JIC/ORB	
17	2220466	3	Fitting, 90 JIC/ORB	
18	2220468	2	Fitting, Straight JIC/ORB	
19	2220473	8	Fitting, 90 JIC/ORB	
20	2220500	2	Fitting, 45 JIC/ORB	
21	2220501	2	Fitting, 45 JIC/ORB	
22	2220502	1	Fitting, 45 JIC/ORB	
24	2220582	5	Fitting, Straight JIC/ORB	
25	2220596	2	Fitting, 90 JIC/ORB	
26	2220600	2	Fitting, Straight JIC/ORB	
27	2220628	1	Fitting, 90 JIC/ORB	
28	2220695	1	Fitting, Tee JIC/ORB/JIC	
29	2220726	1	Fitting, 90 JIC/ORB	
30	2220775	1	Fitting, 90 JIC/ORB	
31	2220906	1	Fitting, 90 JIC/ORB	
32	2220923	2	Fitting, Straight JIC/ORB	
33	2220946	2	Fitting, Straight JIC/ORB	
34	2220947	1	Fitting, Straight JIC/ORB	
35	2220998	2	Fitting, Straight JIC/ORB	
36	2221040	2	Fitting, 45 JIC/ORB	
37	2221086	3	Fitting, Diagnostic Test Port	
38	3290601	2	Nut M6 x 1	
39	4240018	AR	Tie-Strap (Not Shown)	
40	4811700	2	Washer M6	
41	4811702	2	Washer M6	
42	1001175024	1	Fitting, Tee JIC/JIC/ORB	
43	1001191275	1	Clamp	
44	1001191276	1	Clamp	
45	1001197272	1	Fitting, Tee JIC/ORB/JIC	
46	80633030	2	Clamp, Hose (Not Shown)	
47	88662037	1	Fitting, Straight JIC/ORB	
48	2220497	1	Fitting, Straight JIC/ORB	
49	2220603	2	Fitting, Straight JIC/ORB	
100	1001202940	1	Kit, Upper Boom (Includes Items 101 & 102)	

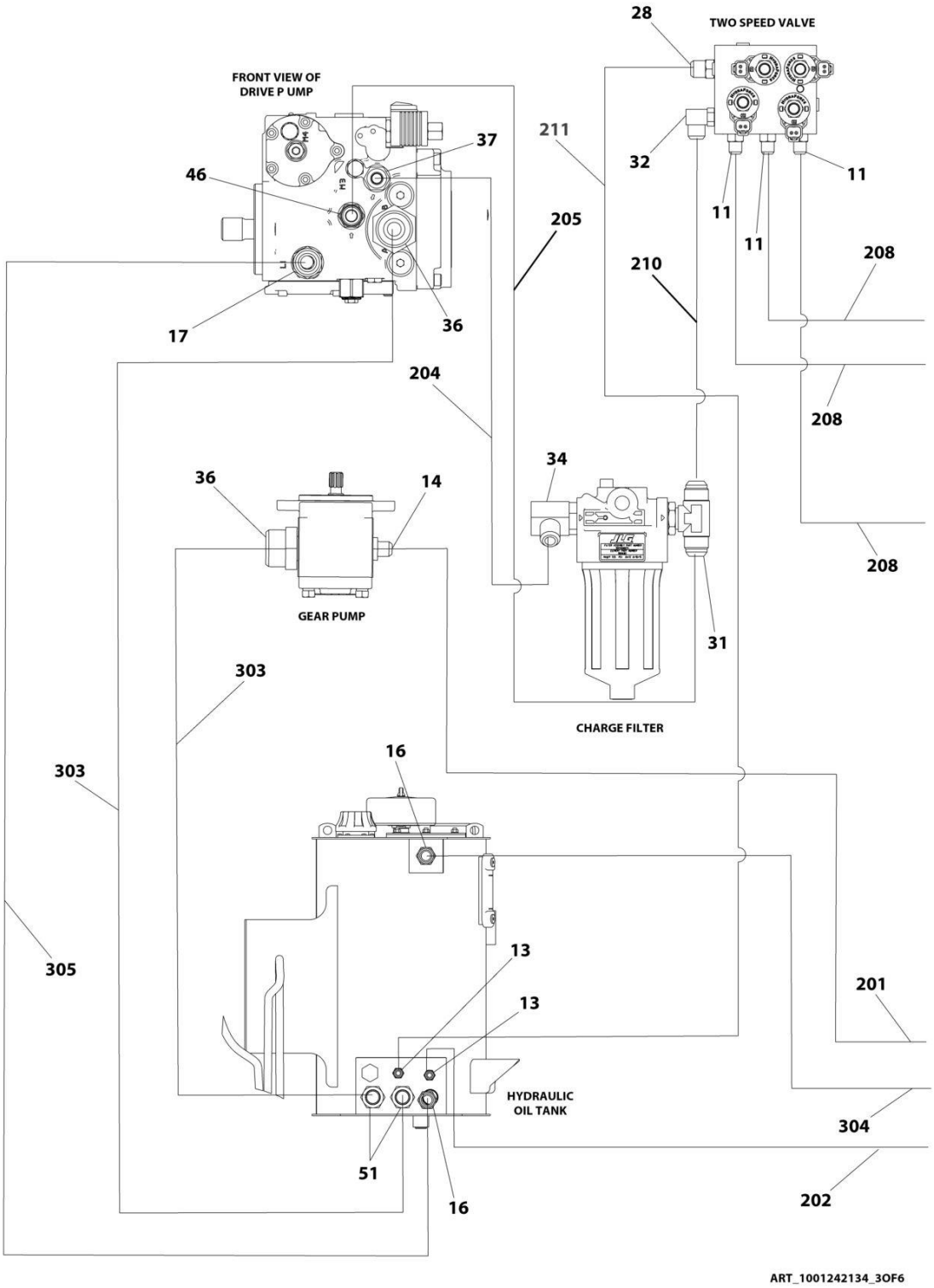
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001173909	1	Hose	
102	1001173937	1	Hose	
200	1001202941	1	Kit, S Boom (Includes Items 201 & 202)	
201	1001172694	1	Hose	
202	1001172696	1	Hose	
300	1001202943	1	Kit, Chassis Rear Hose (Includes Items 301 & 306)	
301	1001172695	2	Hose	
302	1001172697	4	Hose	
303	1001184561	1	Hose	
304	1001184562	1	Hose	
305	1001184563	1	Hose	
306	1001197284	1	Hose	
400	1001202944	1	Kit, Chassis Front Hose (Includes Items 401 & 407)	
401	1001172692	2	Hose	
402	1001172698	2	Hose	
403	1001172699	2	Hose	
404	1001172703	2	Hose	
405	1001172707	2	Hose	
406	1001184542	1	Hose	
407	1001184543	1	Hose	
500	1001202946	1	Kit, Turntable Hosing (Includes Items 501 & 506)	
501	1001173901	1	Hose	
502	1001173902	1	Hose	
503	1001173903	1	Hose	
504	1001173904	1	Hose	
505	1001173907	1	Hose	
506	1001173908	1	Hose	
600	1001252922	1	Kit, Turntable Hosing (Includes Items 601 & 611)	
601	2752500	1	Hose	
602	1001172716	1	Hose	
603	1001172717	1	Hose	
604	1001172718	1	Hose	
605	1001172719	1	Hose	
606	1001172721	1	Hose	
607	1001172722	2	Hose	
608	1001172723	3	Hose	
609	1001173900	2	Hose	
610	1001181075	1	Hose	
611	1001193654	1	Hose	
700	1001252923	1	Kit, Turntable Hosing (Includes Items 701 & 705)	
701	1001173898	1	Hose	
702	1001181074	1	Hose	
703	1001207332	1	Hose	
704	1001207333	1	Hose	
705	1001216655	1	Hose	

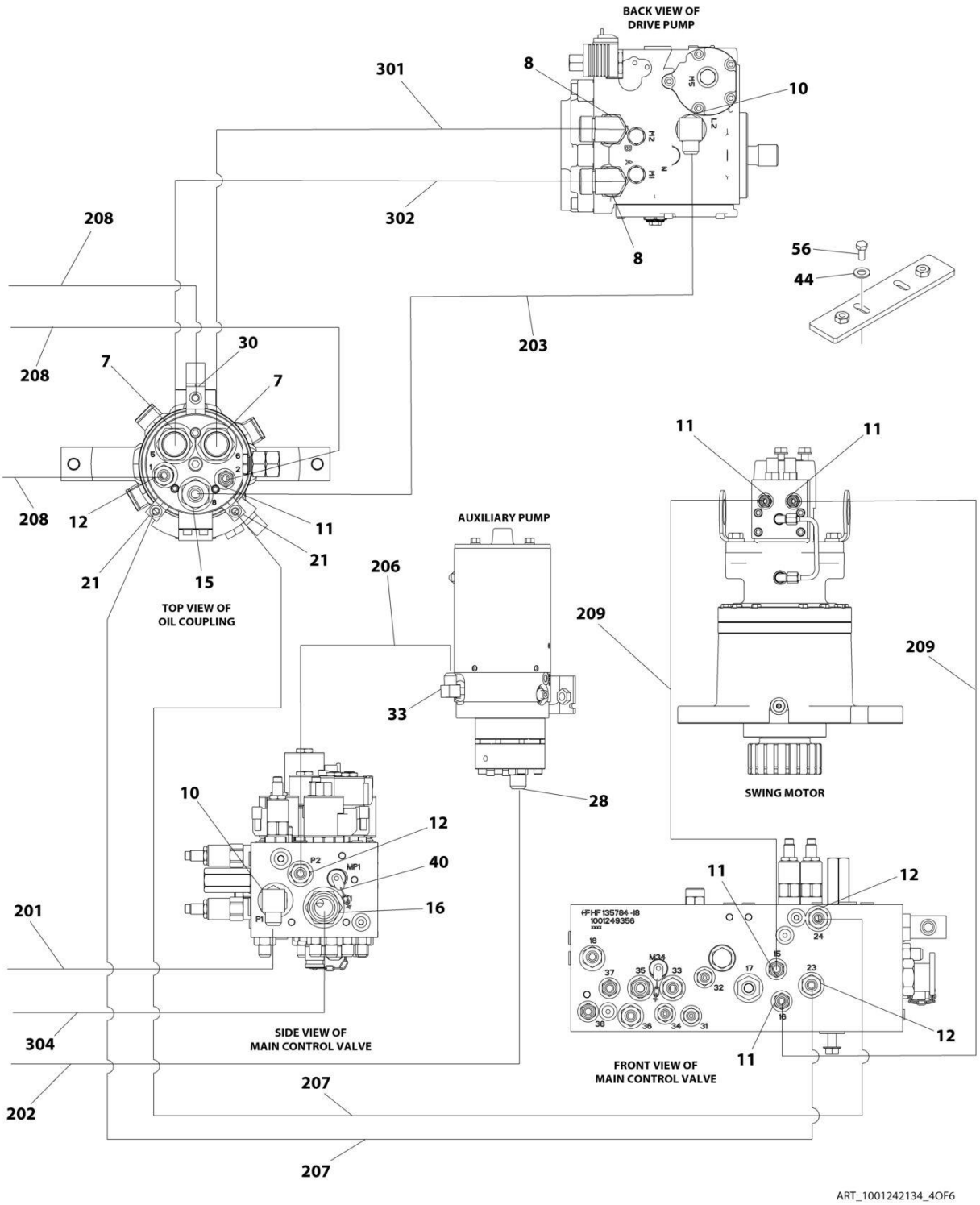
SECTION 7 - HYDRAULIC

FIGURE 7-3. HYDRAULIC DIAGRAM - 460SJ HC3 (Prior to SN 0300274090, Prior to SN E300008299)

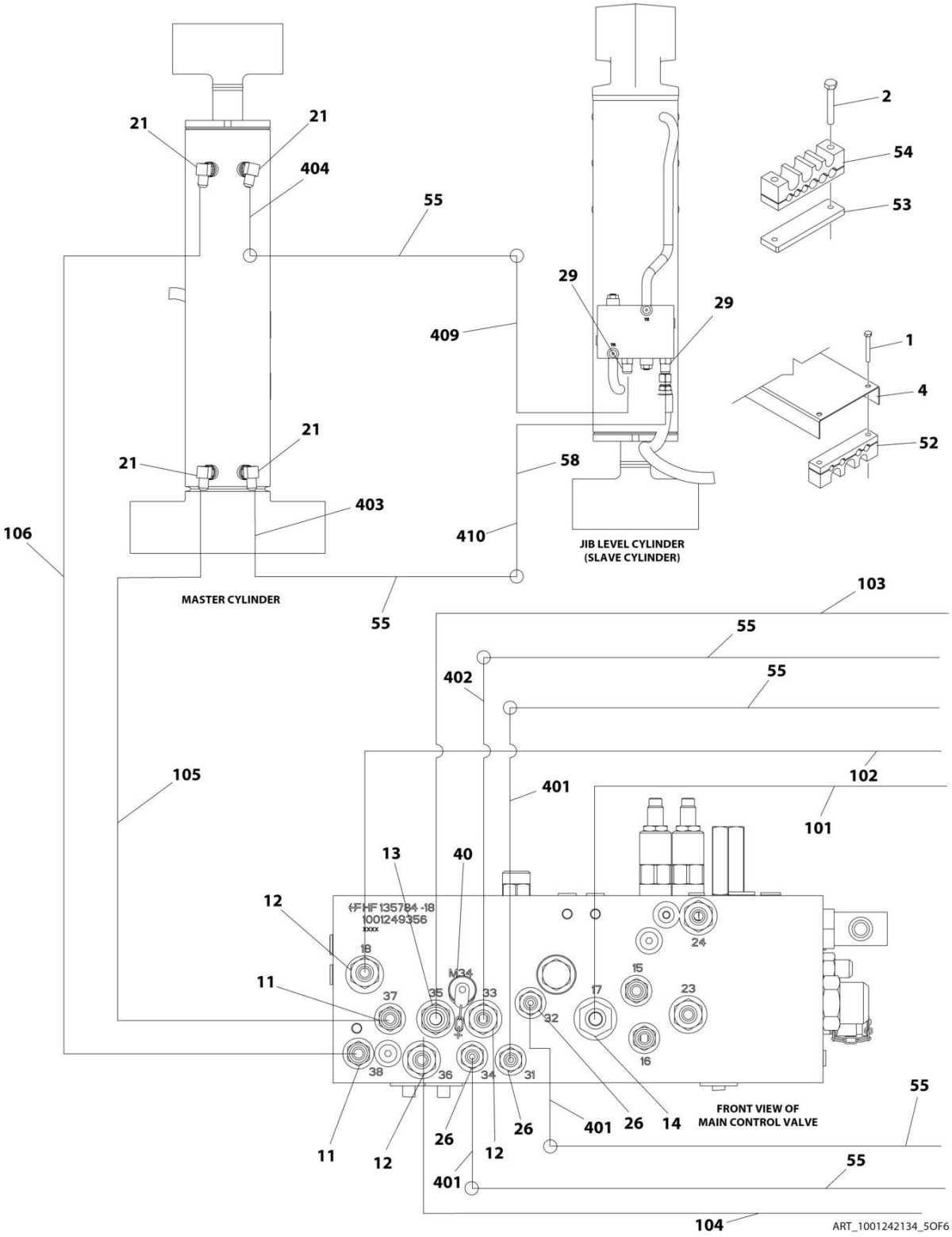


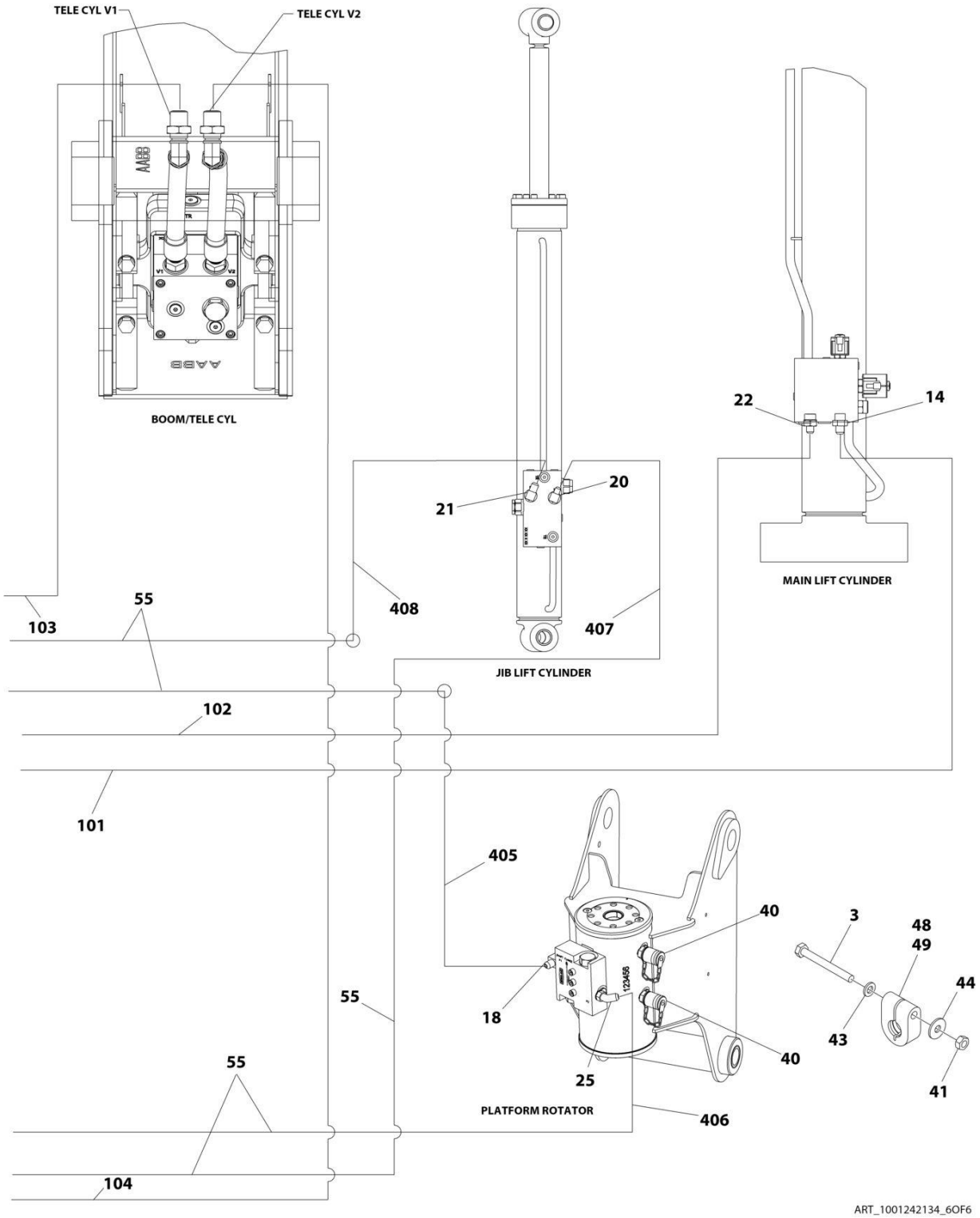

505
505
19
604
602
RIGHT VIEW
TORQUE HUB AND DRIVE MOTOR
REAR SIDE
6
26
6
47
7
504
13
602
35
604
606
27
RIGHT VIEW OF
OIL COUPLING
602
605
601
604
506
605
501
501
605
508
606
19
606
26
6
6
26
21
21
601
7
603
27
50
13
35
LEFT VIEW OF
OIL COUPLING
LEFT VIEW
TORQUE HUB AND DRIVE MOTOR
REAR SIDE
602
602
504
ART_1001242134_2OF6


28
TWO SPEED VALVE
FRONT VIEW OF
DRIVE P UMP
37
211
46
32
11
11
11
205
208
210
17
36
204
208
34
36
14
208
GEAR PUMP
31
303
CHARGE FILTER
16
303
305
13
201
13
HYDRAULIC
OIL TANK
304
51
16
202
ART_1001242134_3OF6


BACK VIEW OF
DRIVE PUMP
301
8
10
302
208
8
56
44
203
208
30
7
7
208
12
11
21
21
15
TOP VIEW OF
OIL COUPLING
AUXILIARY PUMP
206
33
28
11
11
209
209
SWING MOTOR
10
12
40
16
P2
MP1
P1
201
304
SIDE VIEW OF
MAIN CONTROL VALVE
11
12
12
11
FRONT VIEW OF
MAIN CONTROL VALVE
207
202
207
ART_1001242134_4OF6

SECTION 7 - HYDRAULIC




TELE CYL V1
TELE CYL V2
BOOM/TELE CYL
JIB LIFT CYLINDER
MAIN LIFT CYLINDER
PLATFORM ROTATOR
20
21
22
14
408
407
103
55
102
101
405
40
3
48
49
44
43
41
18
25
406
104
ART_1001242134_6OF6

SECTION 7 - HYDRAULIC

FIGURE 7-3. HYDRAULIC DIAGRAM - 460SJ HC3 (Prior to SN 0300274090, Prior to SN E300008299)

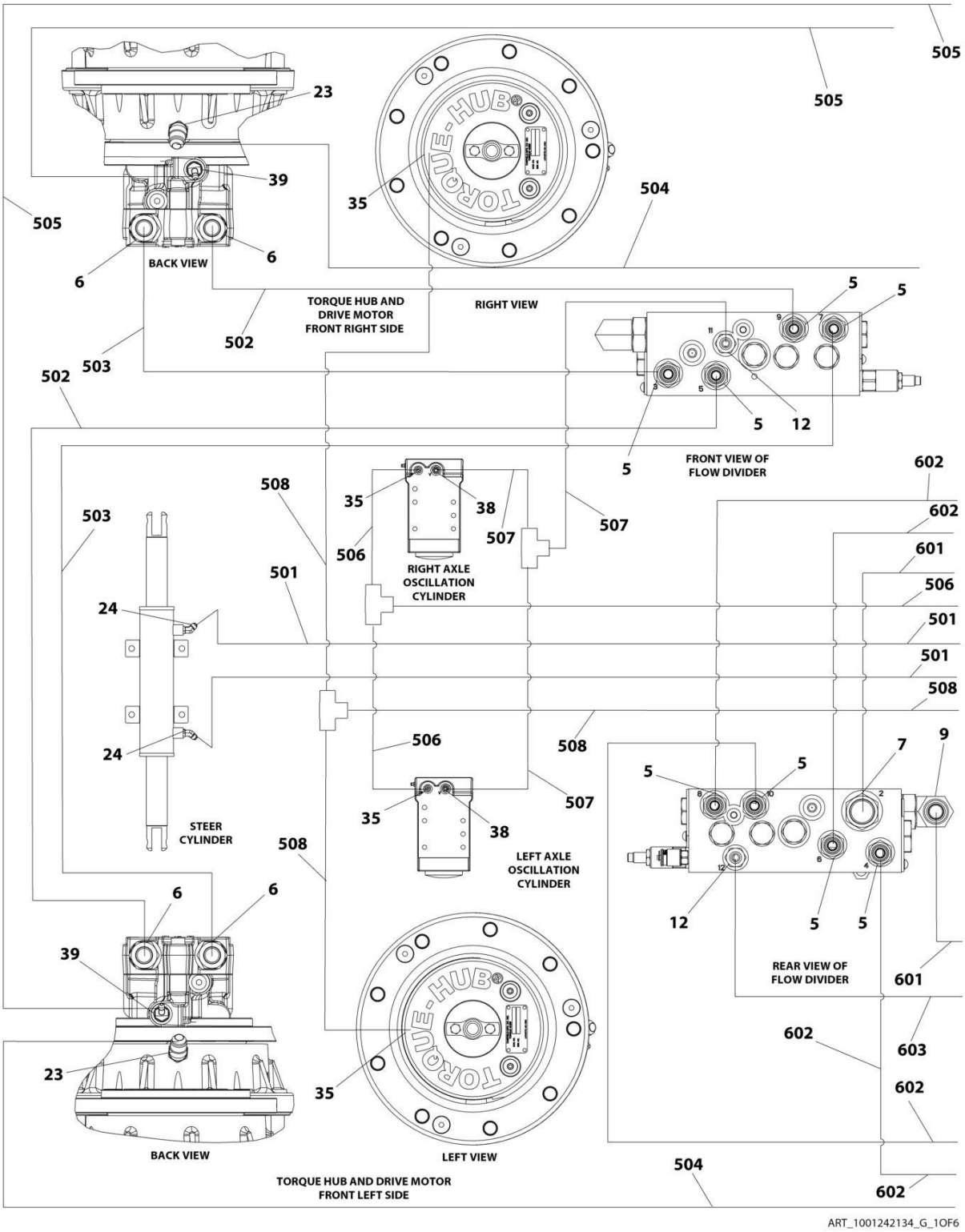
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242134	Ref	DRIVE HYDRAULIC DIAGRAM	D
1	0700618	4	Bolt M6 x 50	
2	701022	4	Bolt M10 x 70	
3	0760619	2	Bolt M6 x 55	
4	1670769	1	Cover, Cable	
5	2110810	8	Fitting, Straight ORFS/ORB	
6	2110812	8	Fitting, Straight ORFS/ORB	
7	2111216	5	Fitting, Straight ORFS/ORB	
8	2131212	2	Fitting, 90 ORFS/ORB	
9	2131216	1	Fitting, 90 ORFS/ORB	
10	2220366	2	Fitting, 90 JIC/ORB	
11	2220371	10	Fitting, Straight JIC/ORB	
12	2220372	9	Fitting, Straight JIC/ORB	
13	2220373	5	Fitting, Straight JIC/ORB	
14	2220374	3	Fitting, Straight JIC/ORB	
15	2220375	1	Fitting, Straight JIC/ORB	
16	2220377	3	Fitting, Straight JIC/ORB	
17	2220451	1	Fitting, Straight JIC/ORB	
18	2220466	1	Fitting, 90 JIC/ORB	
19	2220468	3	Fitting, Straight JIC/ORB	
20	2220472	1	Fitting, 90 JIC/ORB	
21	2220473	9	Fitting, 90 JIC/ORB	
22	2220497	1	Fitting, Straight JIC/ORB	
23	2220500	2	Fitting, 45 JIC/ORB	
24	2220501	2	Fitting, 45 JIC/ORB	
25	2220502	1	Fitting, 45 JIC/ORB	
26	2220582	6	Fitting, Straight JIC/ORB	
27	2220596	2	Fitting, 90 JIC/ORB	
28	2220600	2	Fitting, Straight JIC/ORB	
29	2220603	2	Fitting, Straight JIC/ORB	
30	2220628	1	Fitting, 90 JIC/ORB	
31	2220695	1	Fitting, Tee JIC/ORB/JIC	
32	2220726	1	Fitting, 90 JIC/ORB	
33	2220775	1	Fitting, 90 JIC/ORB	
34	2220906	1	Fitting, 90 JIC/ORB	
35	2220923	6	Fitting, Straight JIC/ORB	
36	2220946	2	Fitting, Straight JIC/ORB	
37	2220947	1	Fitting, Straight JIC/ORB	
38	2220998	2	Fitting, Straight JIC/ORB	
39	2221040	2	Fitting, 45 JIC/ORB	
40	2221086	4	Fitting, Diagnostic Test Port	
41	3290601	2	Nut M6 x 1	
43	4811700	2	Washer M6	
44	4811702	10	Washer M6	
45	80633030	2	Clamp (Not Shown)	
46	88662037	1	Fitting, Straight JIC/ORB	
47	1001175024	1	Fitting, Tee JIC/JIC/ORB	
48	1001191275	1	Clamp	
49	1001191276	1	Clamp	
50	1001197272	1	Fitting, Tee JIC/ORB/JIC	

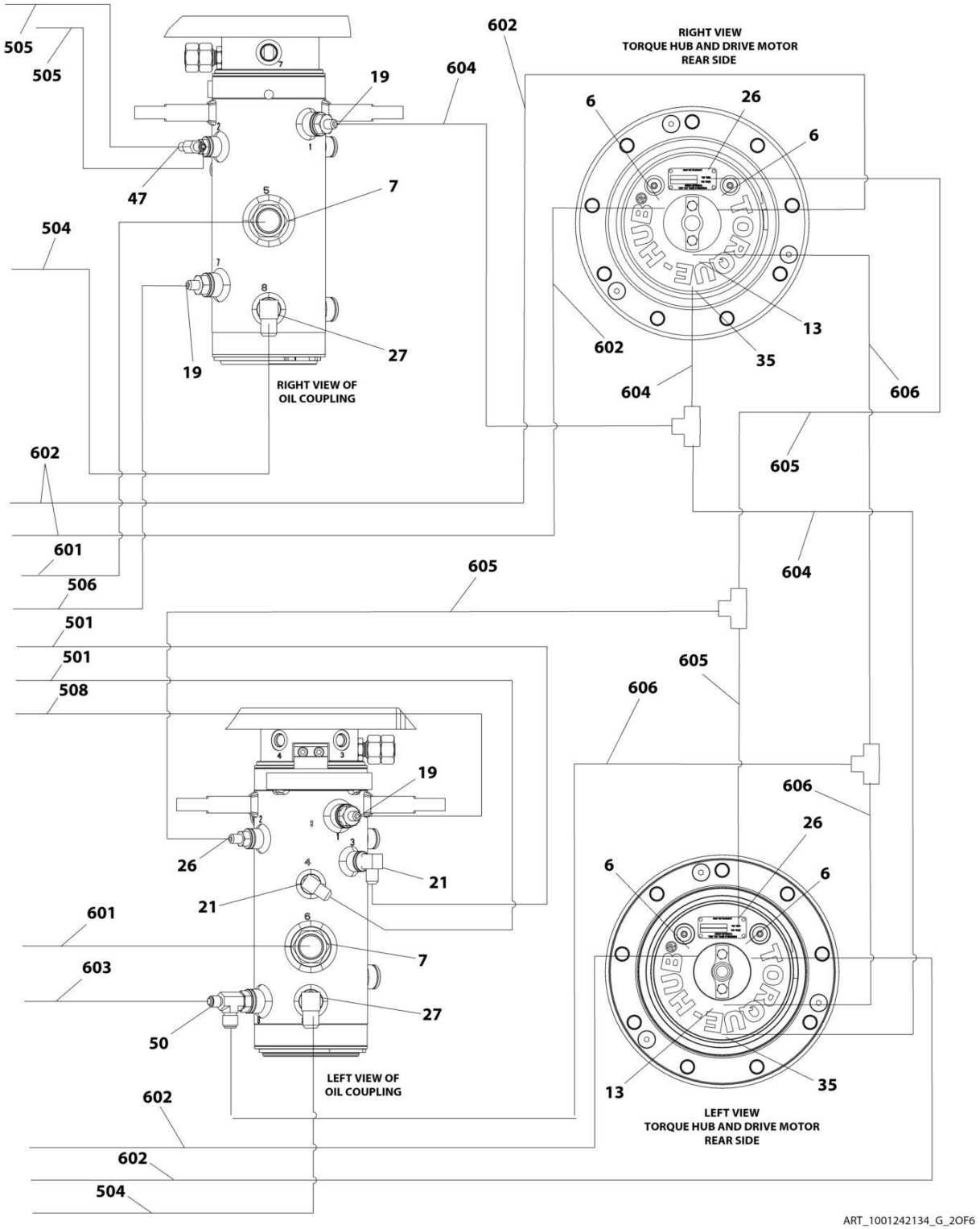
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	1001202910	2	Fitting, Straight MORB	
52	1001203459	2	Clamp	
53	1001244541	2	Plate, Clamp	
54	1001244545	2	Block, Hose	
55	1001241994	1	Pipe, Weldment	
56	0760605	8	Bolt M6 x 10	
57	4240018	25	Tie-Strap (Not Shown)	
58	1001257430	1	Cover, Hose Wrap	
100	1001250478	1	Kit, Turntable	
101	1001173901	1	Hose	
102	1001173902	1	Hose	
103	1001250474	1	Hose	
104	1001250477	1	Hose	
105	1001173907	1	Hose	
106	1001173908	1	Hose	
200	1001252922	1	Kit, Turntable	
201	2752500	1	Hose	
202	1001172716	1	Hose	
203	1001172717	1	Hose	
204	1001172718	1	Hose	
205	1001172719	1	Hose	
206	1001172721	1	Hose	
207	1001172722	2	Hose	
208	1001172723	3	Hose	
209	1001173900	2	Hose	
210	1001181075	1	Hose	
211	1001193654	1	Hose	
300	1001252923	1	Kit, Turntable	
301	1001173898	1	Hose	
302	1001181074	1	Hose	
303	1001207332	2	Hose	
304	1001207333	1	Hose	
305	1001216655	1	Hose	
400	1001247999	1	Kit, Upper Boom	
401	1001247393	1	Hose	
402	1001247394	1	Hose	
403	1001247395	1	Hose	
404	1001247396	1	Hose	
405	1001247397	1	Hose	
406	1001247398	1	Hose	
407	1001247400	1	Hose	
408	1001247401	1	Hose	
409	1001247402	1	Hose	
410	1001254980	1	Hose	
500	1001248003	1	Kit, Chassis Front Hose	
501	1001172692	2	Hose	
502	1001172698	2	Hose	
503	1001172699	2	Hose	
504	1001172703	2	Hose	
505	1001172707	2	Hose	
506	1001184542	1	Hose	

SECTION 7 - HYDRAULIC

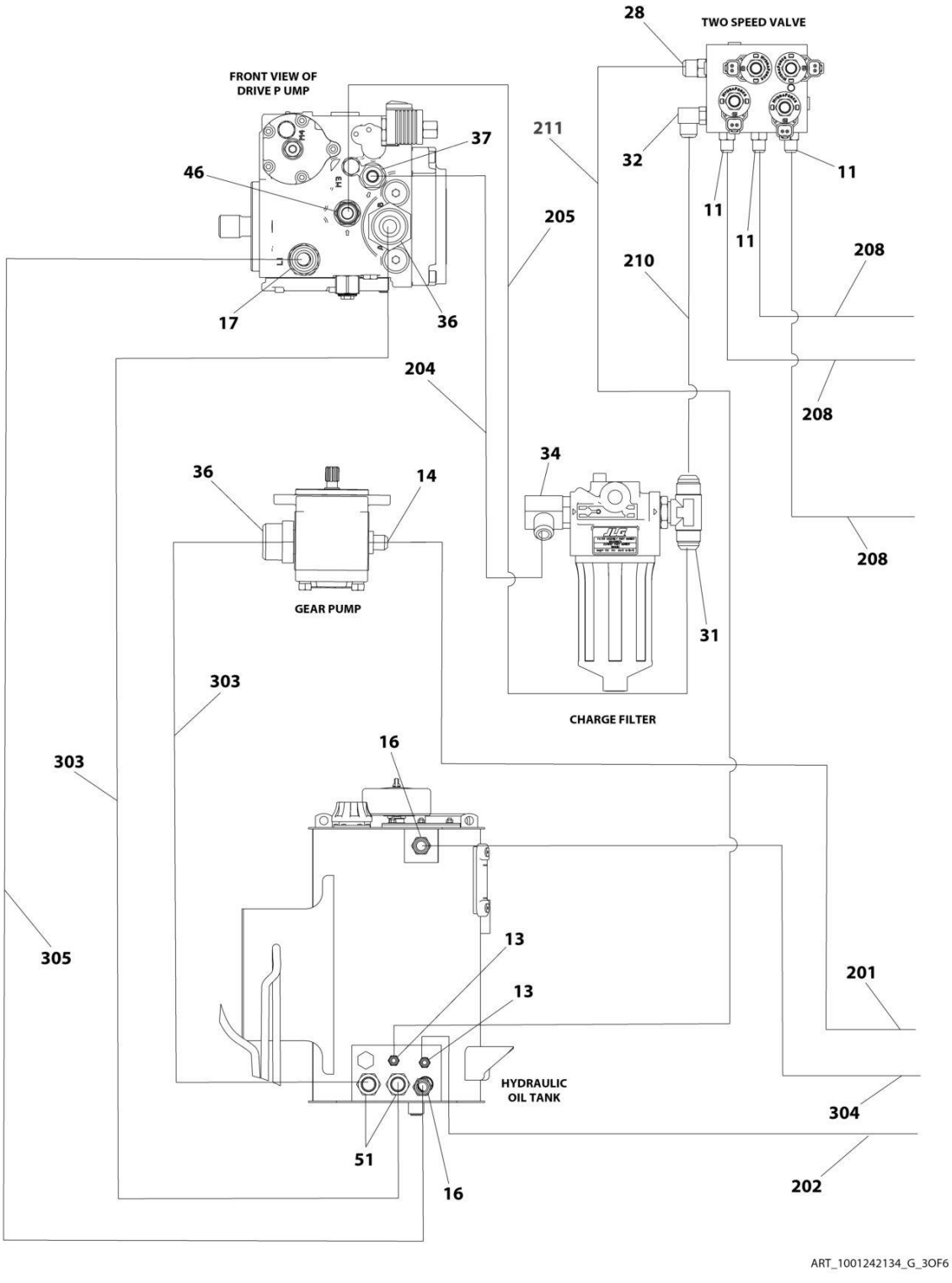
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
507	1001184543	1	Hose	
508	1001247577	1	Hose	
600	1001248004	1	Kit, Chassis Rear Hose	
601	1001172695	1	Hose	
602	1001172697	4	Hose	
603	1001197284	1	Hose	
604	1001247996	1	Hose	
605	1001247997	1	Hose	
606	1001247998	1	Hose	

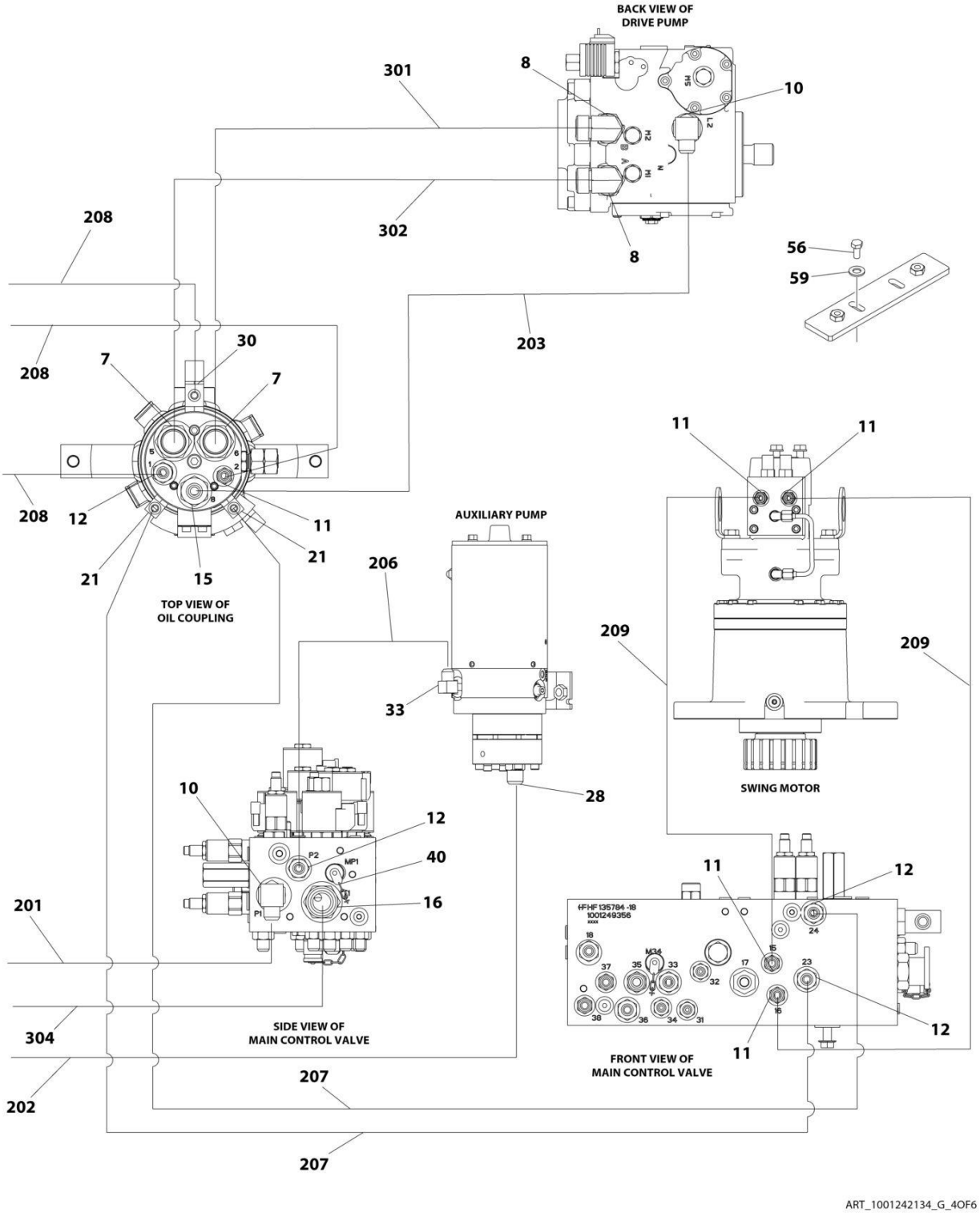
FIGURE 7-4. HYDRAULIC DIAGRAM - 460SJ HC3 (SN 0300274090 to Present, SN E300008299 to Present)



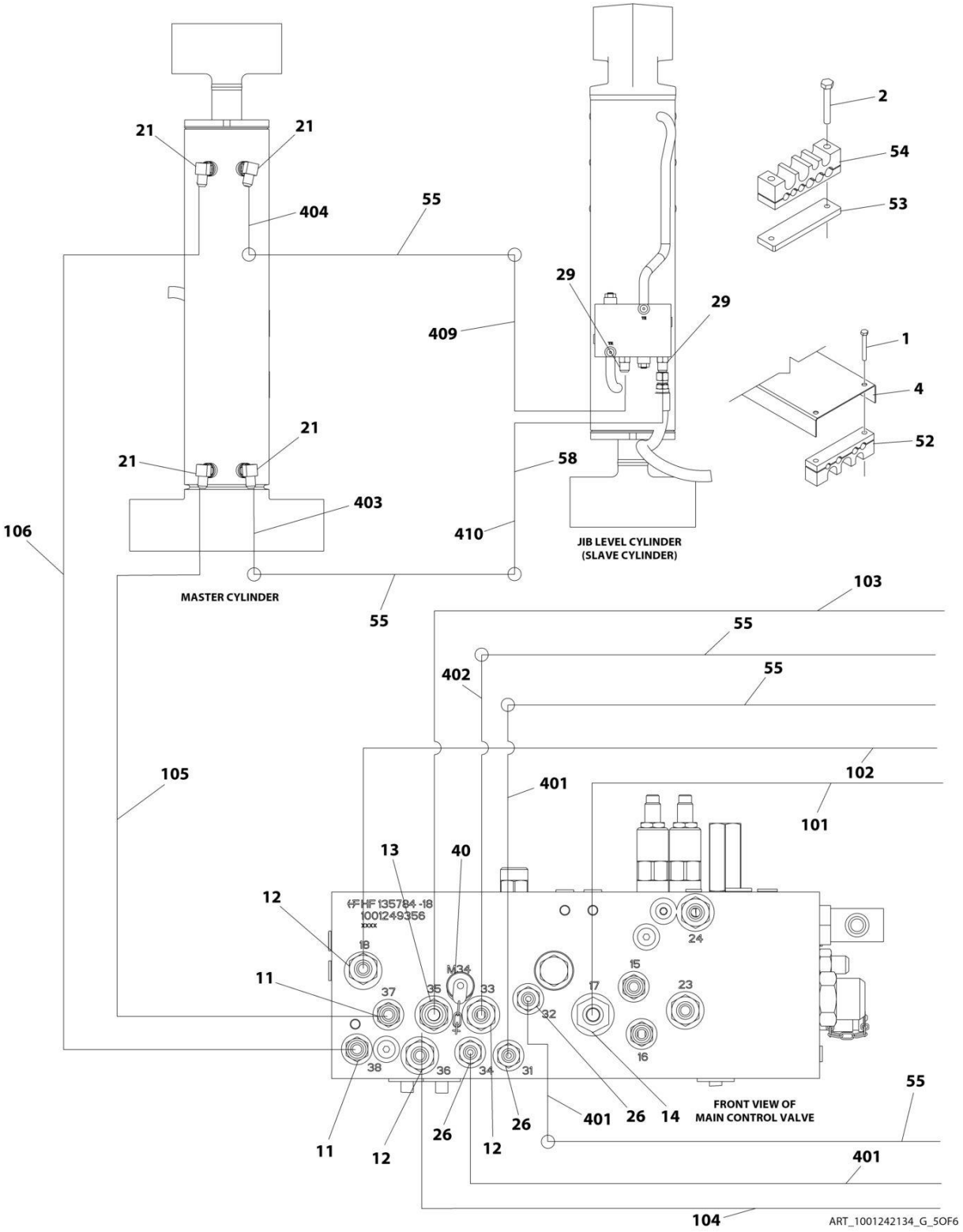

505
505
19
604
602
RIGHT VIEW
TORQUE HUB AND DRIVE MOTOR
REAR SIDE
6
26
6
47
7
504
19
27
RIGHT VIEW OF
OIL COUPLING
602
13
35
604
606
602
605
601
506
604
501
605
501
508
606
19
606
26
6
6
26
21
21
601
7
603
27
50
LEFT VIEW OF
OIL COUPLING
13
35
602
LEFT VIEW
TORQUE HUB AND DRIVE MOTOR
REAR SIDE
602
504
ART_1001242134_G_2OF6

SECTION 7 - HYDRAULIC




BACK VIEW OF
DRIVE PUMP
301
8
10
302
8
208
208
208
56
59
203
30
7
7
12
11
21
21
15
TOP VIEW OF
OIL COUPLING
AUXILIARY PUMP
206
33
28
11
11
209
209
SWING MOTOR
10
12
40
16
P2
MP1
P1
201
304
202
SIDE VIEW OF
MAIN CONTROL VALVE
11
12
12
11
FRONT VIEW OF
MAIN CONTROL VALVE
207
207
ART_1001242134_G_4OF6

SECTION 7 - HYDRAULIC



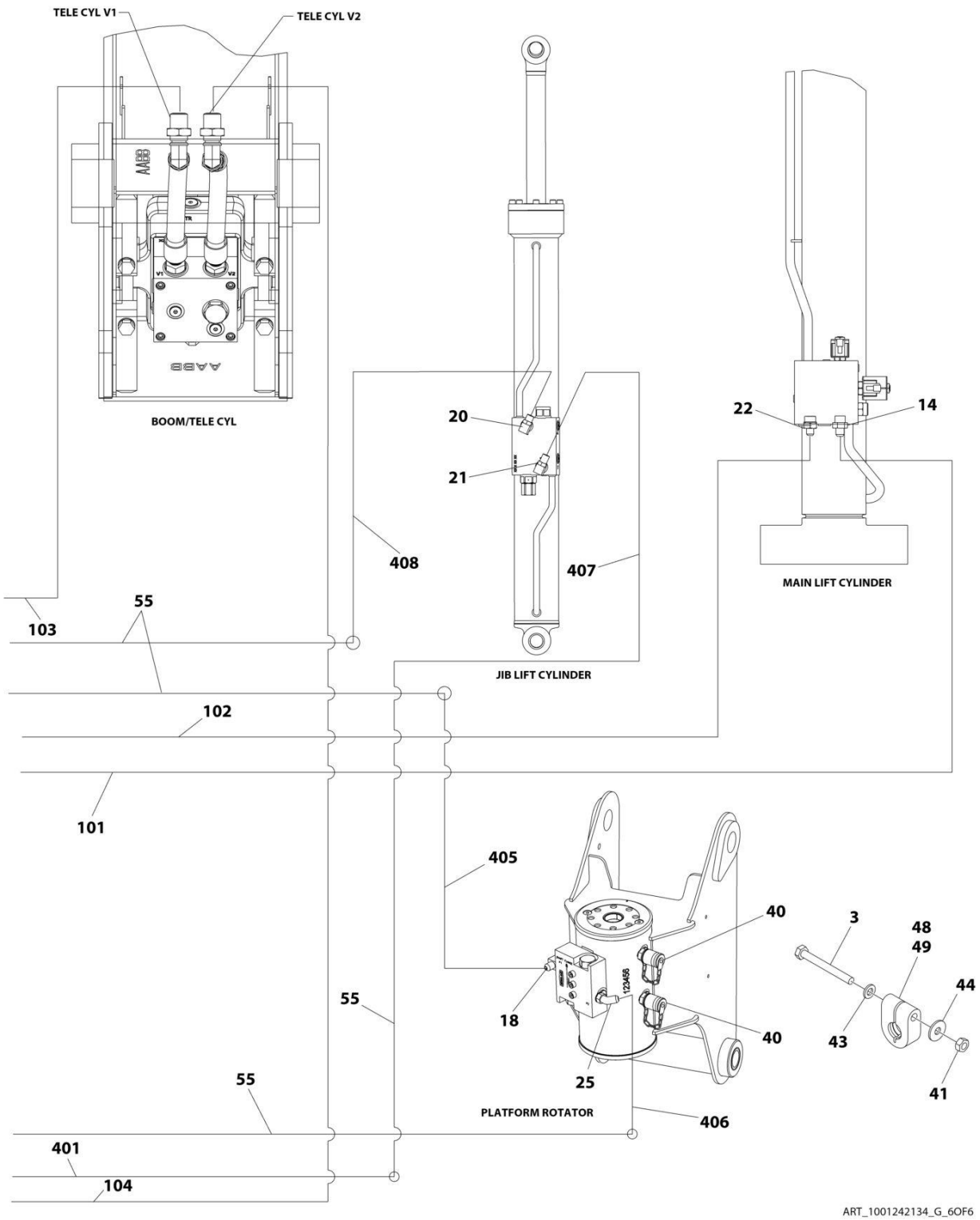

TELE CYL V1
TELE CYL V2
BOOM/TELE CYL
20
21
408
407
JIB LIFT CYLINDER
22
14
MAIN LIFT CYLINDER
55
103
102
101
405
40
3
48
49
44
43
41
18
25
55
55
401
104
PLATFORM ROTATOR
406
ART_1001242134_G_6OF6

FIGURE 7-4. HYDRAULIC DIAGRAM - 460SJ HC3 (SN 0300274090 to Present, SN E300008299 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242134	Ref	DRIVE HYDRAULIC DIAGRAM	G
1	0700618	4	Bolt M6 x 50	
2	701022	4	Bolt M10 x 70	
3	0760619	2	Bolt M6 x 55	
4	1670769	1	Cover, Cable	
5	2110810	8	Fitting, Straight ORFS/ORB	
6	2110812	8	Fitting, Straight ORFS/ORB	
7	2111216	5	Fitting, Straight ORFS/ORB	
8	2131212	2	Fitting, 90 ORFS/ORB	
9	2131216	1	Fitting, 90 ORFS/ORB	
10	2220366	2	Fitting, 90 JIC/ORB	
11	2220371	10	Fitting, Straight JIC/ORB	
12	2220372	9	Fitting, Straight JIC/ORB	
13	2220373	5	Fitting, Straight JIC/ORB	
14	2220374	3	Fitting, Straight JIC/ORB	
15	2220375	1	Fitting, Straight JIC/ORB	
16	2220377	3	Fitting, Straight JIC/ORB	
17	2220451	1	Fitting, Straight JIC/ORB	
18	2220466	1	Fitting, 90 JIC/ORB	
19	2220468	3	Fitting, Straight JIC/ORB	
20	2220472	1	Fitting, 90 JIC/ORB	
21	2220473	9	Fitting, 90 JIC/ORB	
22	2220497	1	Fitting, Straight JIC/ORB	
23	2220500	2	Fitting, 45 JIC/ORB	
24	2220501	2	Fitting, 45 JIC/ORB	
25	2220502	1	Fitting, 45 JIC/ORB	
26	2220582	6	Fitting, Straight JIC/ORB	
27	2220596	2	Fitting, 90 JIC/ORB	
28	2220600	2	Fitting, Straight JIC/ORB	
29	2220603	2	Fitting, Straight JIC/ORB	
30	2220628	1	Fitting, 90 JIC/ORB	
31	2220695	1	Fitting, Tee JIC/ORB/JIC	
32	2220726	1	Fitting, 90 JIC/ORB	
33	2220775	1	Fitting, 90 JIC/ORB	
34	2220906	1	Fitting, 90 JIC/ORB	
35	2220923	6	Fitting, Straight JIC/ORB	
36	2220946	2	Fitting, Straight JIC/ORB	
37	2220947	1	Fitting, Straight JIC/ORB	
38	2220998	2	Fitting, Straight JIC/ORB	
39	2221040	2	Fitting, 45 JIC/ORB	
40	2221086	4	Fitting, Diagnostic Test Port	
41	3290601	2	Nut M6 x 1	
43	4811700	2	Washer M6	
44	4811702	2	Washer M6	
45	80633030	2	Clamp (Not Shown)	
46	88662037	1	Fitting, Straight JIC/ORB	
47	1001175024	1	Fitting, Tee JIC/JIC/ORB	
48	1001191275	1	Clamp	
49	1001191276	1	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001197272	1	Fitting, Tee JIC/ORB/JIC	
51	1001202910	2	Fitting, Straight MORB	
52	1001203459	2	Clamp	
53	1001244541	2	Plate, Clamp	
54	1001244545	2	Block, Hose	
55	1001241994	1	Pipe, Weldment	
56	0760607	8	Bolt M6 x 14	
57	4240018	25	Tie-Strap (Not Shown)	
58	1001136358	1	Cover, Hose Wrap	
59	4811900	8	Washer M8	
100	1001250478	1	Kit, Turntable	
101	1001173901	1	Hose	
102	1001173902	1	Hose	
103	1001250474	1	Hose	
104	1001250477	1	Hose	
105	1001173907	1	Hose	
106	1001173908	1	Hose	
200	1001252922	1	Kit, Turntable	
201	2752500	1	Hose	
202	1001172716	1	Hose	
203	1001172717	1	Hose	
204	1001172718	1	Hose	
205	1001172719	1	Hose	
206	1001172721	1	Hose	
207	1001172722	2	Hose	
208	1001172723	3	Hose	
209	1001173900	2	Hose	
210	1001181075	1	Hose	
211	1001193654	1	Hose	
300	1001252923	1	Kit, Turntable	
301	1001173898	1	Hose	
302	1001181074	1	Hose	
303	1001207332	2	Hose	
304	1001207333	1	Hose	
305	1001216655	1	Hose	
400	1001247999	1	Kit, Upper Boom	
401	1001247393	1	Hose	
402	1001247394	1	Hose	
403	1001247395	1	Hose	
404	1001247396	1	Hose	
405	1001247397	1	Hose	
406	1001247398	1	Hose	
407	1001268998	1	Hose	
408	1001268997	1	Hose	
409	1001247402	1	Hose	
410	1001254980	1	Hose	
500	1001248003	1	Kit, Chassis Front Hose	
501	1001172692	2	Hose	
502	1001172698	2	Hose	
503	1001172699	2	Hose	
504	1001172703	2	Hose	

SECTION 7 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
505	1001172707	2	Hose	
506	1001184542	1	Hose	
507	1001184543	1	Hose	
508	1001247577	1	Hose	
600	1001248004	1	Kit, Chassis Rear Hose	
601	1001172695	1	Hose	
602	1001172697	4	Hose	
603	1001197284	1	Hose	
604	1001247996	1	Hose	
605	1001247997	1	Hose	
606	1001247998	1	Hose	

SECTION 8 - ELECTRICAL

FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V GFI (MACHINES WITH 2500W GENERATOR/NO GENERATOR OPTIONS) (ANSI AND CSA SPECS)

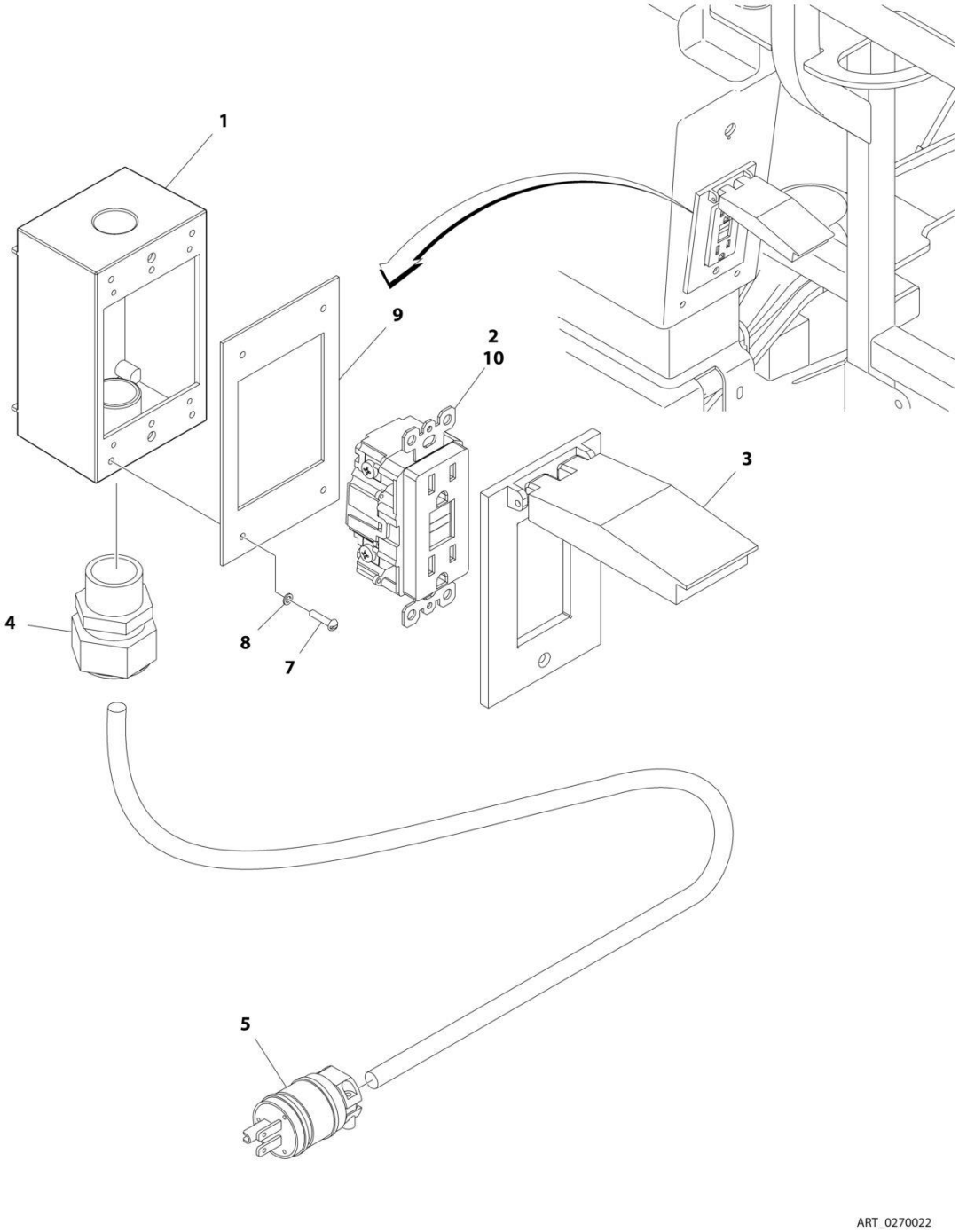


FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V GFI (MACHINES WITH 2500W GENERATOR/NO GENERATOR OPTIONS) (ANSI AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270022	Ref	AC BOX AT PLATFORM INSTALLATION - 110V	4-B
1	0860038	1	Box, Switch	
2	4460346	1	Receptacle	
3	1001110873	1	Shield, Cover	
4	4460071	1	Connector, Strain Relief	
5	4460205	1	Plug, Male	
7	3910610	4	Screw #6 x 5/8	
8	4760600	4	Washer #6	
9	3960422	1	Gasket	
10	4460315	1	Terminal, Spade	

FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - CUSTOMER SUPPLIED RECEPTACLE (ANSI EXPORT, CE AND CHINA SPECS)

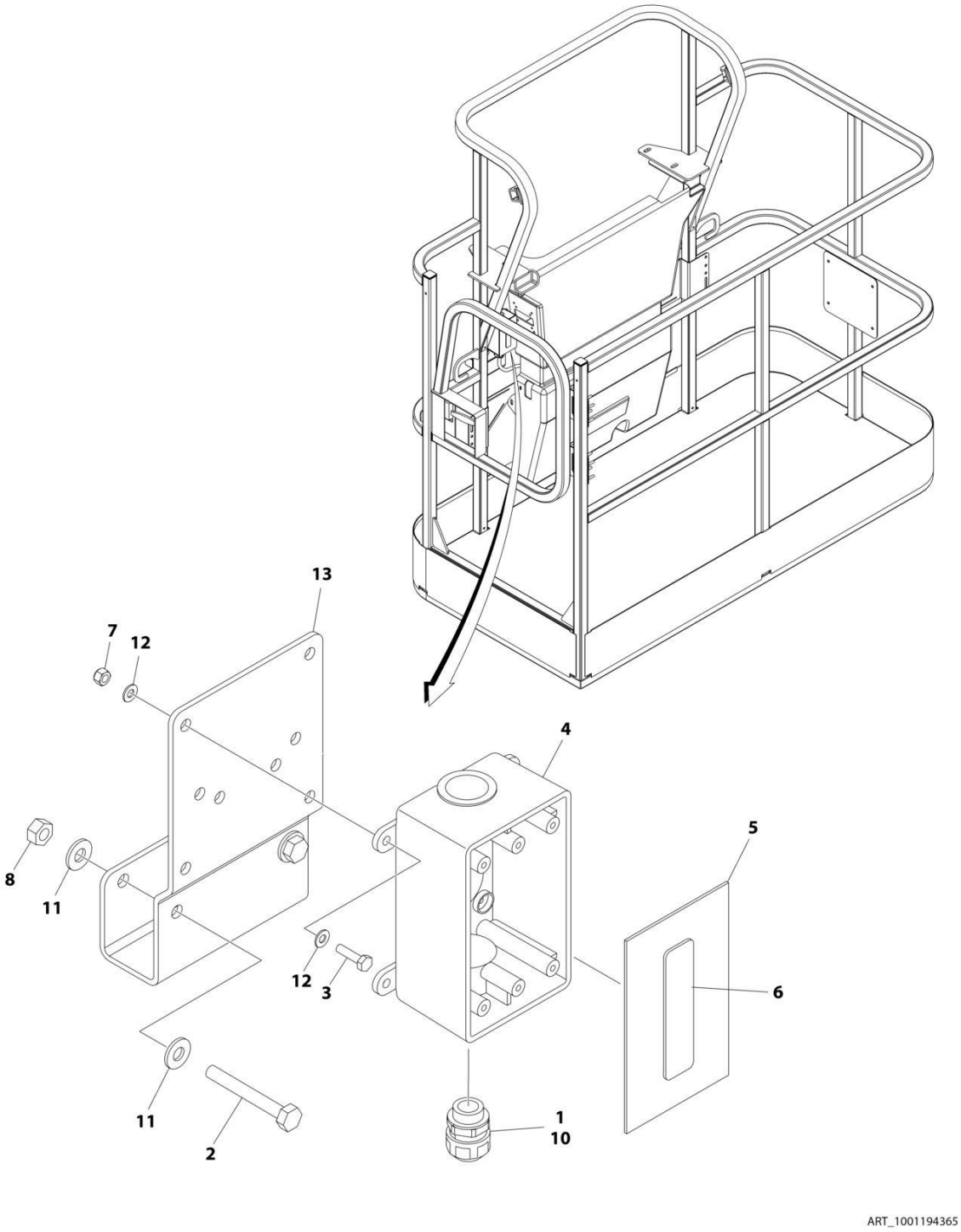


FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - CUSTOMER SUPPLIED RECEPTACLE (ANSI EXPORT, CE AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194365	Ref	AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX)	A
1	0100020	AR	Sealant	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	1670603	1	Cover	
6	3251242	1	Decal - 240V/50Hz	
7	3290405	4	Nut M4	
8	3311405	2	Nut 1/4	
9	4460384	3	Terminal (Not Shown)	
10	4460662	1	Connector, Strain Relief	
11	4711400	4	Washer 1/4	
12	4811400	8	Washer M4	
13	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS) (2500W AND 7500W SKYPOWER GENERATORS)

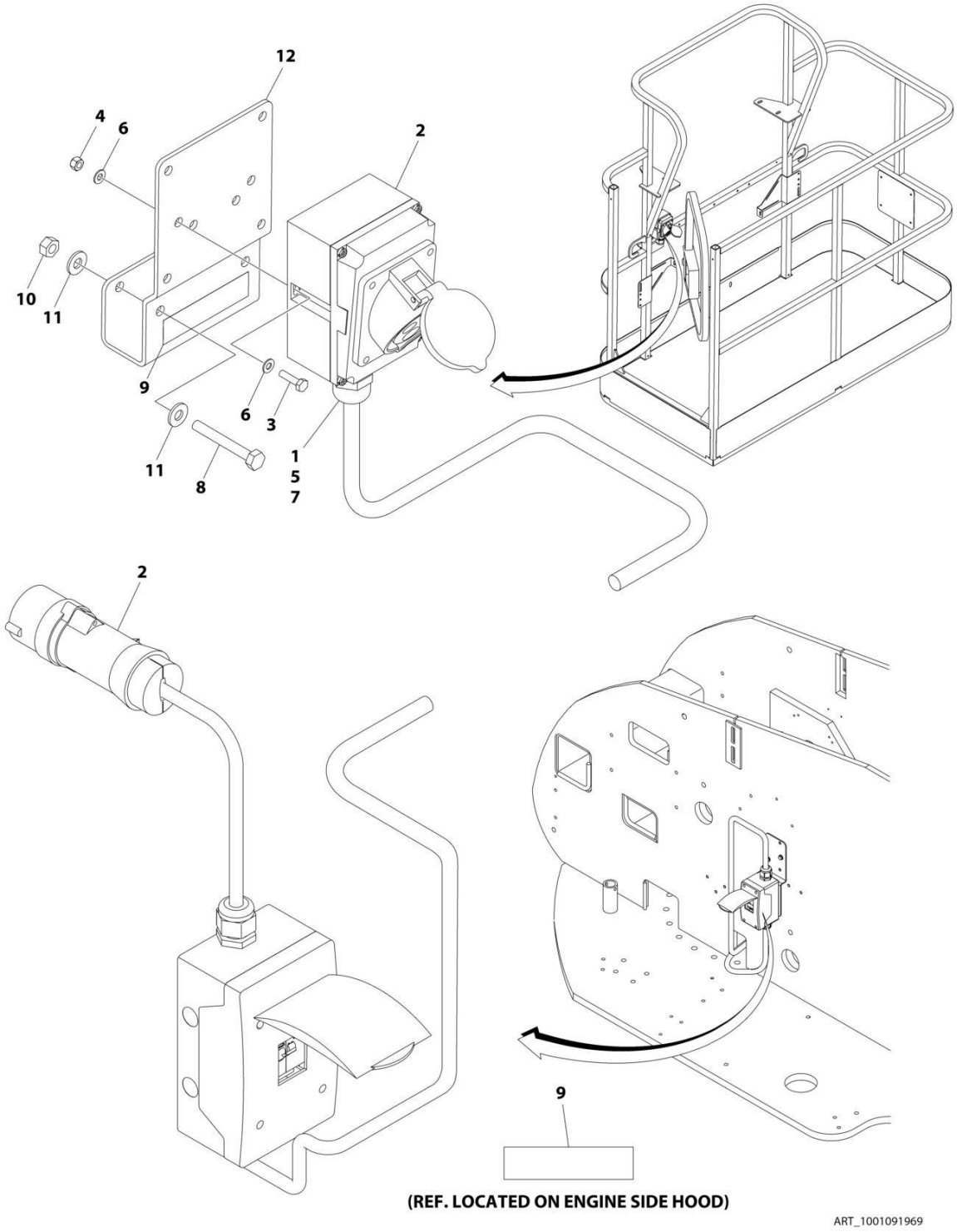


FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS) (2500W AND 7500W SKYPOWER GENERATORS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091969	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW	D
1	0100020	AR	Sealant, Pipe	
2	0275216	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
3	0700408	2	Bolt M4 x 16	
4	3290405	2	Nut M4	
5	1001101196	1	Adapter	
6	4811400	4	Washer M4	
7	1001101191	1	Connector, Strain Relief	
8	0641416	2	Bolt 1/4 x 2	
9	1705325	2	Decal - 110V	
10	3311405	2	Nut 1/4	
11	4711400	4	Washer 1/4	
12	1001193018	1	Bracket	

FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS) (4000W GENERATOR)

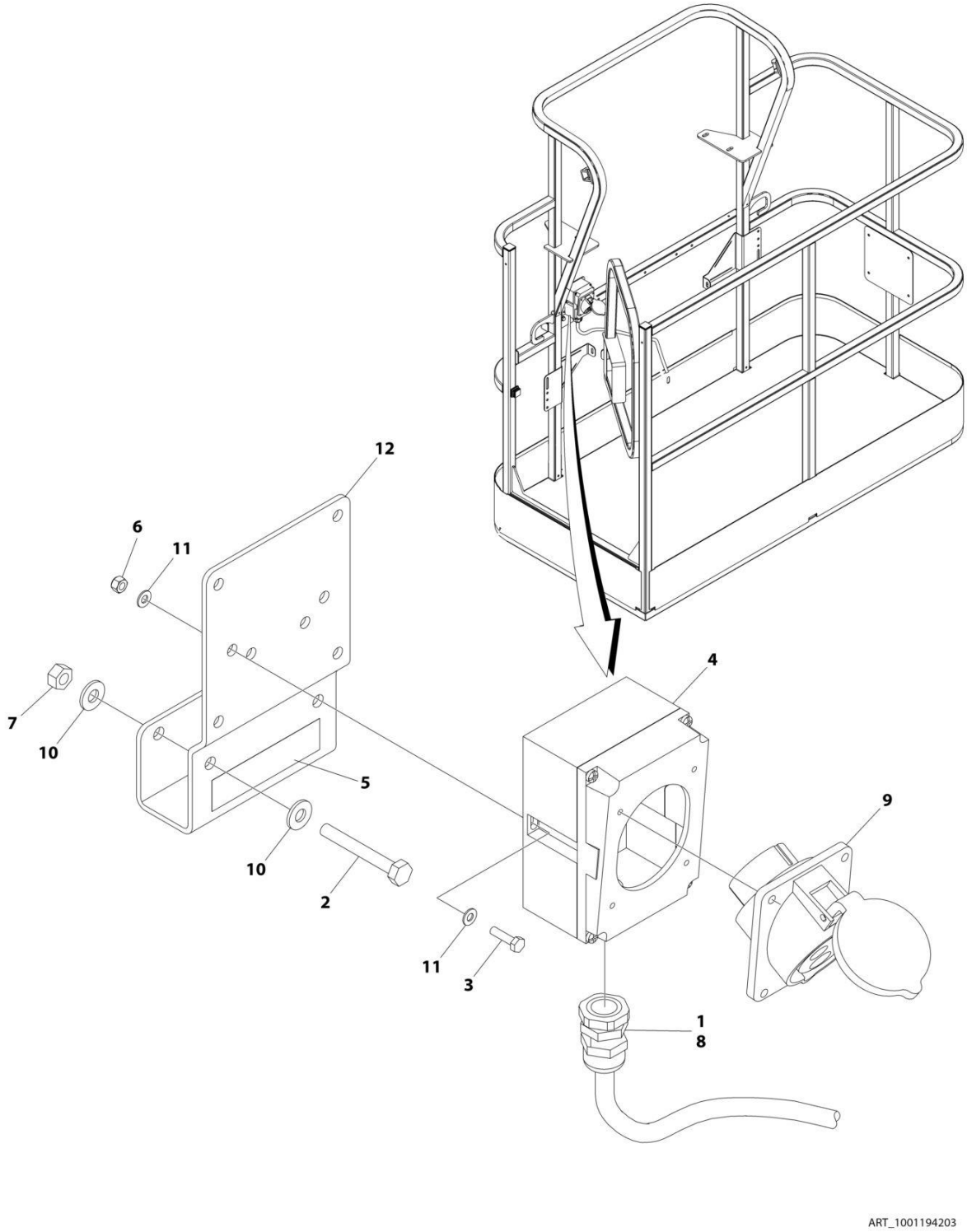


FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS) (4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194203	Ref	AC BOX AT PLATFORM INSTALLATION	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	2	Bolt M4 x 16	
4	0861781	1	Box, Switch	
5	1705325	1	Decal - 110V	
6	3290405	2	Nut M4	
7	3311405	2	Nut 1/4	
8	4460968	1	Connector, Strain Relief	
9	4461198	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	4	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS) (2500W AND 7500W SKYPOWER GENERATORS)

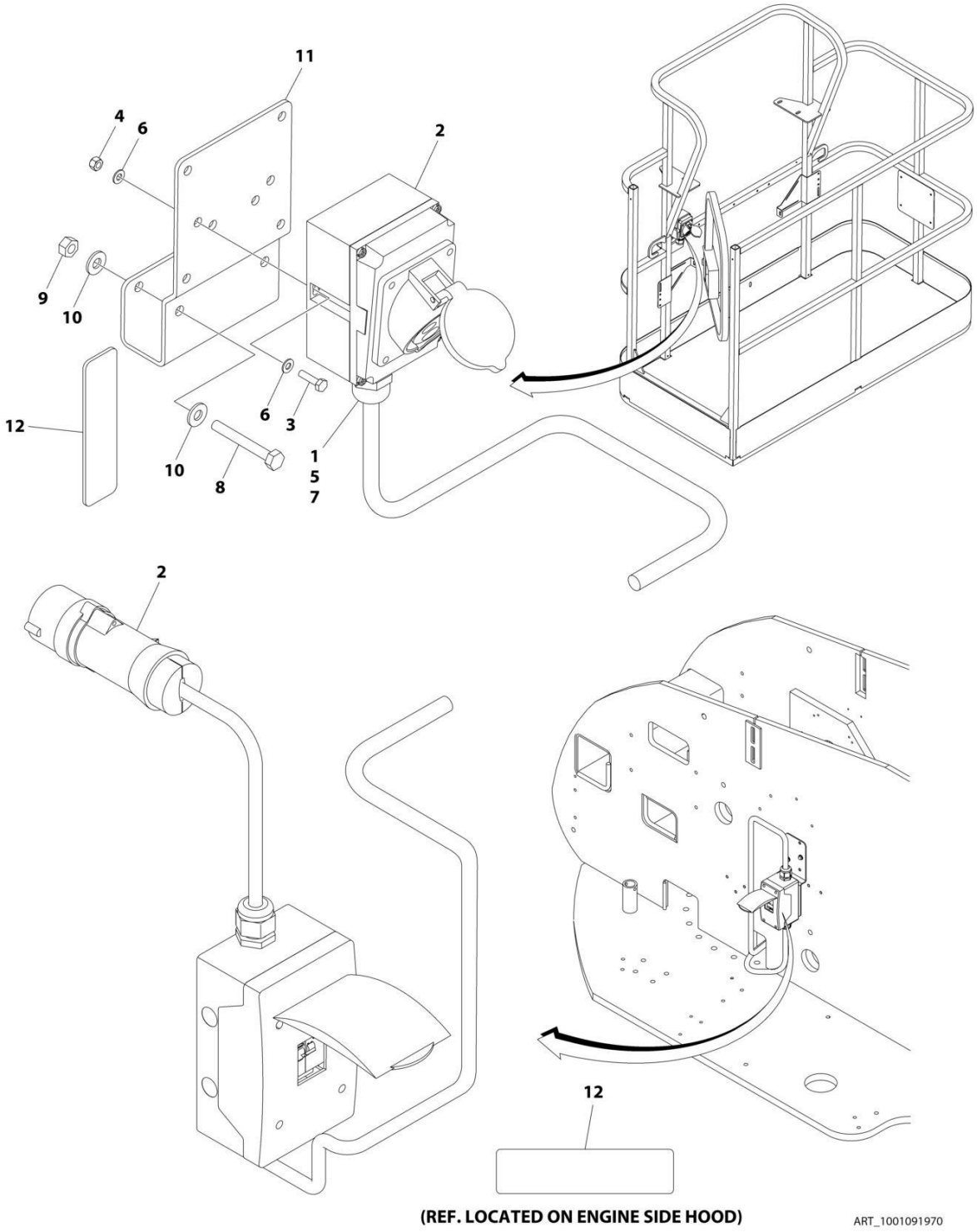


FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS) (2500W AND 7500W SKYPOWER GENERATORS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091970	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE	D
1	0100020	AR	Sealant, Pipe	
2	0275217	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
3	0700408	2	Bolt M4 x 16	
4	3290405	2	Nut M4	
5	1001101196	1	Adapter	
6	4811400	4	Washer M4	
7	1001101191	1	Connector, Strain Relief	
8	0641416	2	Bolt 1/4 x 2	
9	3311405	2	Nut 1/4	
10	4711400	4	Washer 1/4	
11	1001193018	1	Bracket	
12	3251242	2	Decal - 240V/50Hz	

FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS) (4000W GENERATOR)

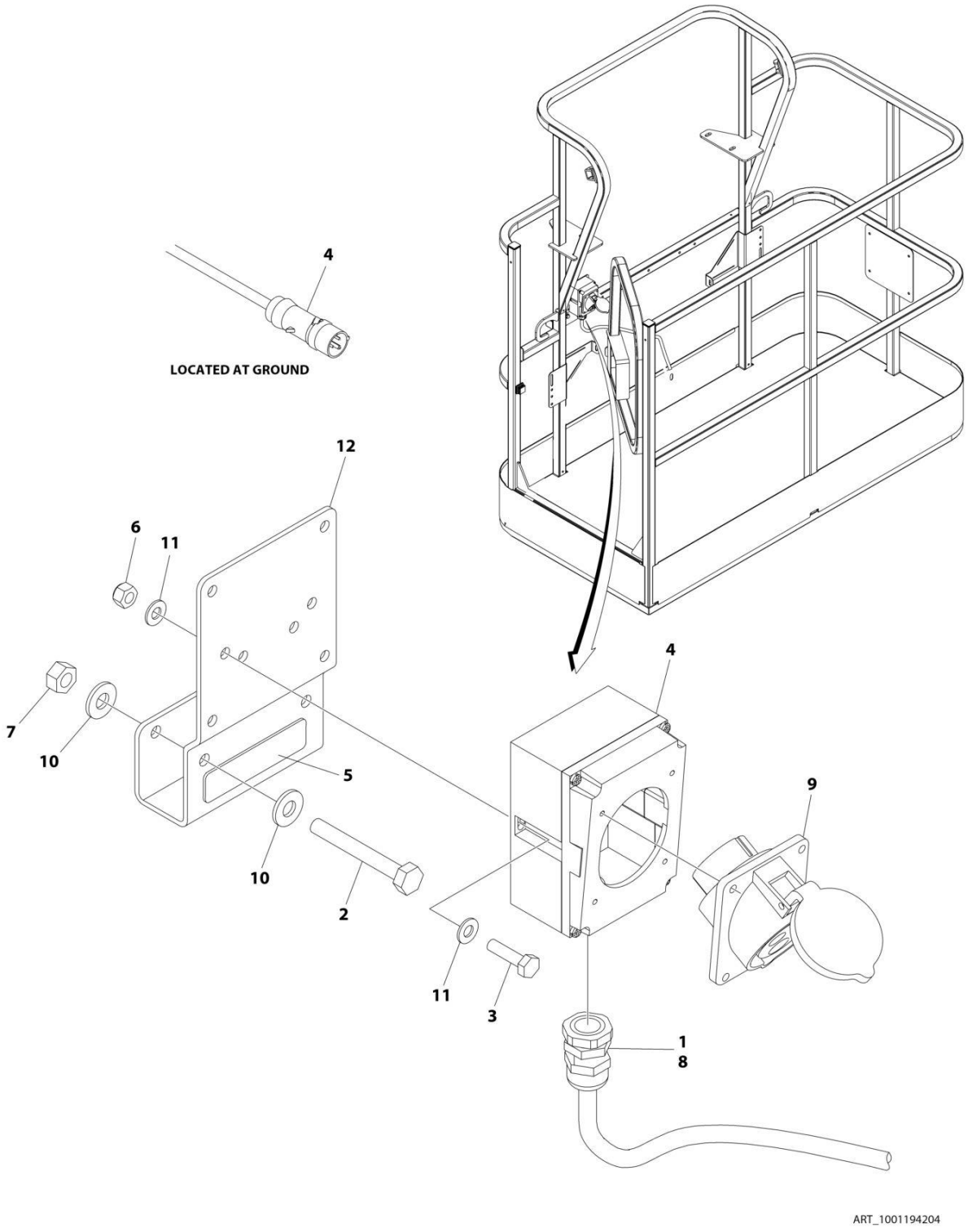


FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS) (4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194204	Ref	AC BOX AT PLATFORM INSTALLATION	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	2	Bolt M4 x 16	
4	0861781	1	Box, Switch	
5	3251242	1	Decal - 240V/50Hz	
6	3290405	2	Nut M4	
7	3311405	2	Nut 1/4	
8	4460968	1	Connector, Strain Relief	
9	4461201	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	4	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE SPECS) (WITHOUT GENERATOR)

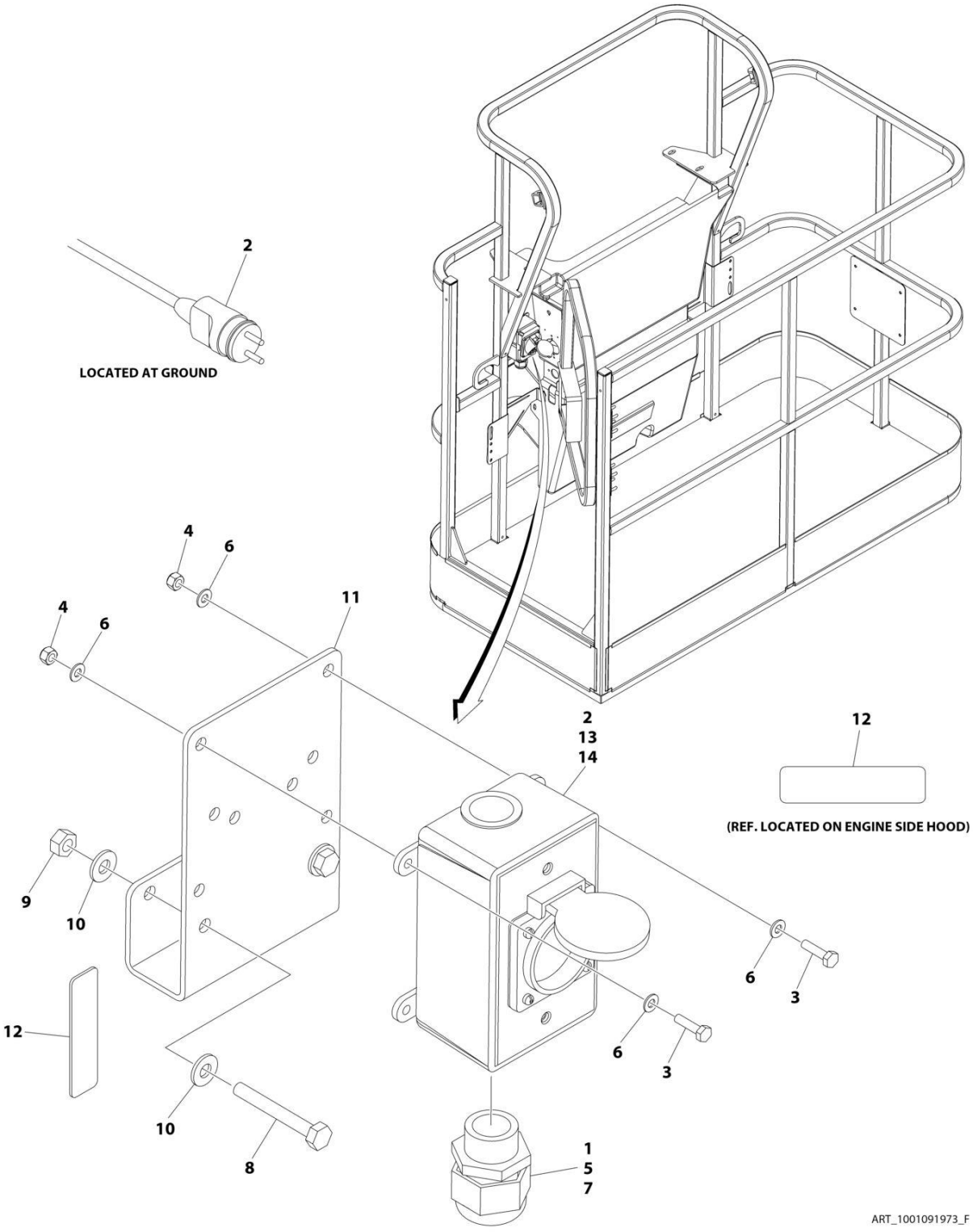


FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE SPECS) (WITHOUT GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091973	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX POST GROUND	F
1	0100020	AR	Sealant, Pipe	
2	0275452	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
3	0700408	4	Bolt M4 x 16	
4	3290405	4	Nut M4	
5	1001101197	1	Adapter	
6	4811400	8	Washer M4	
7	1001101191	1	Connector, Strain Relief	
8	0641416	2	Bolt 1/4 x 2	
9	3311405	2	Nut 1/4	
10	4711400	4	Washer 1/4	
11	1001193018	1	Bracket	
12	3251242	2	Decal - 240V/50Hz	
13	4460806	2	Terminal, Fork (Not Shown)	
14	1001205958	1	Terminal (Not Shown)	

FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE SPECS) (4000W GENERATOR)

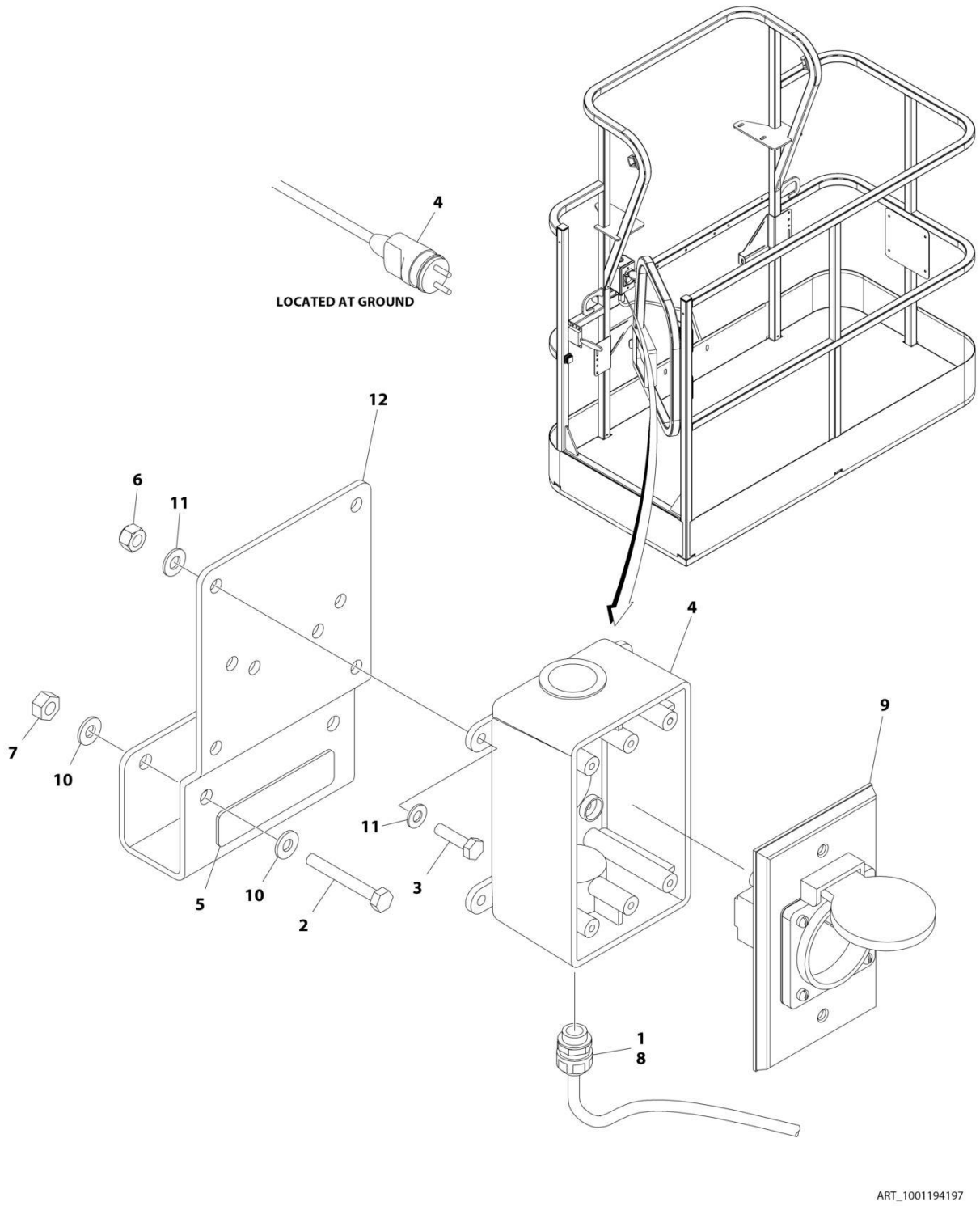


FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE SPECS) (4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194197	Ref	AC BOX AT PLATFORM INSTALLATION	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	3251242	1	Decal - 240V/50Hz	
6	3290405	4	Nut M4	
7	3311405	2	Nut 1/4	
8	4460662	1	Connector, Strain Relief	
9	4461244	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	
13	4460806	2	Terminal, Fork (Not Shown)	
14	1001205958	1	Terminal (Not Shown)	

FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE SPECS) (WITHOUT GENERATOR)

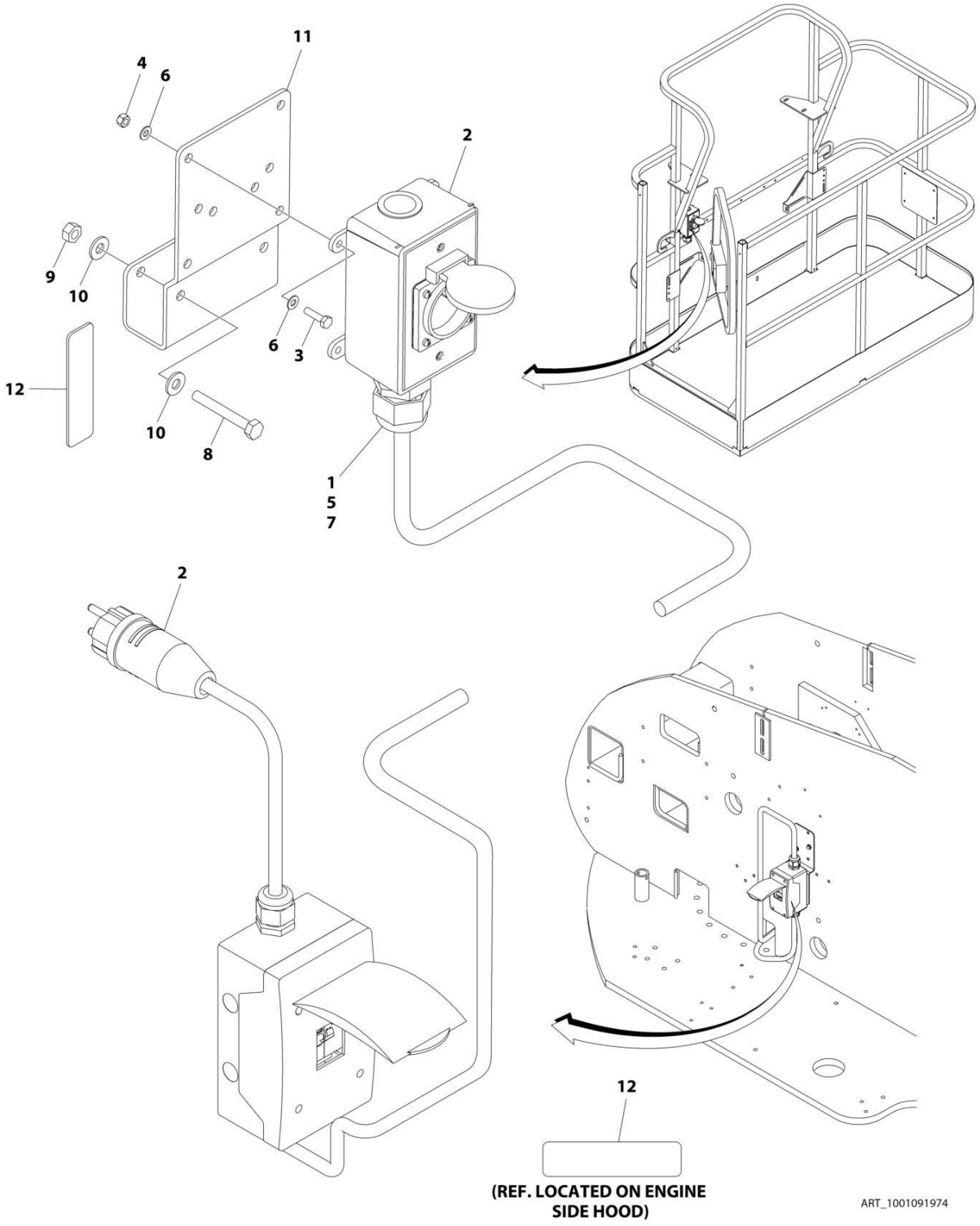


FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE SPECS) (WITHOUT GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091974	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX SIDE GROUND	F
1	0100020	AR	Sealant, Pipe	
2	0275453	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
3	0700408	4	Bolt M4 x 16	
4	3290405	4	Nut M4	
5	1001101197	1	Adapter	
6	4811400	8	Washer M4	
7	1001101191	1	Connector, Strain Relief	
8	0641416	2	Bolt 1/4 x 2	
9	3311405	2	Nut 1/4	
10	4711400	4	Washer 1/4	
11	1001193018	1	Bracket	
12	3251242	2	Decal - 240V/50Hz	
13	4460806	2	Terminal, Fork (Not Shown)	
14	1001205958	1	Terminal (Not Shown)	

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE SPECS) (4000W GENERATOR)

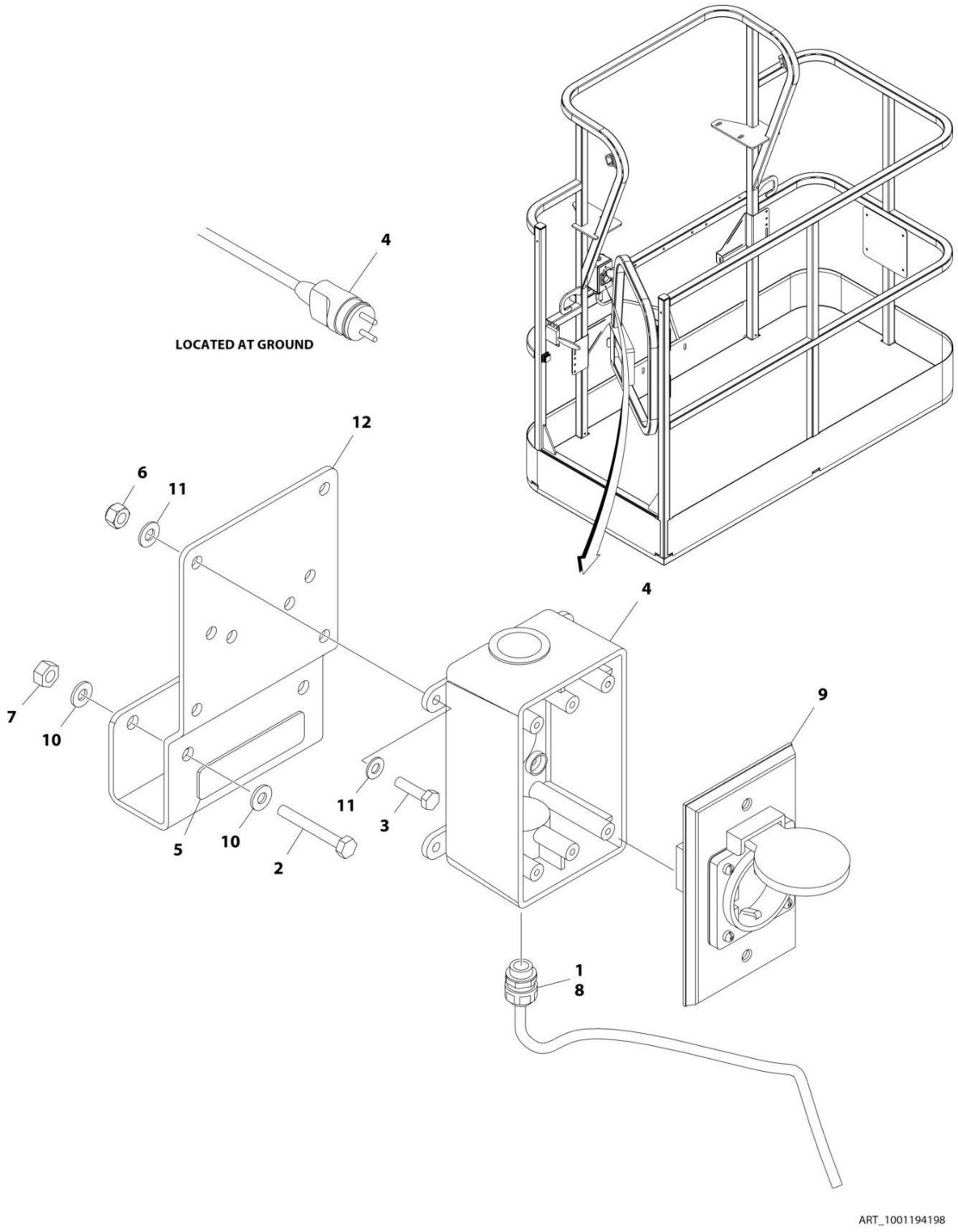


FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE SPECS) (4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194198	Ref	AC BOX AT PLATFORM INSTALLATION	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	3251242	1	Decal - 240V/50Hz	
6	3290405	4	Nut M4	
7	3311405	2	Nut 1/4	
8	4460662	1	Connector, Strain Relief	
9	4461245	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	
13	4460806	2	Terminal, Fork (Not Shown)	
14	1001205958	1	Terminal (Not Shown)	

FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 (CE SPECS) (WITHOUT GENERATOR)

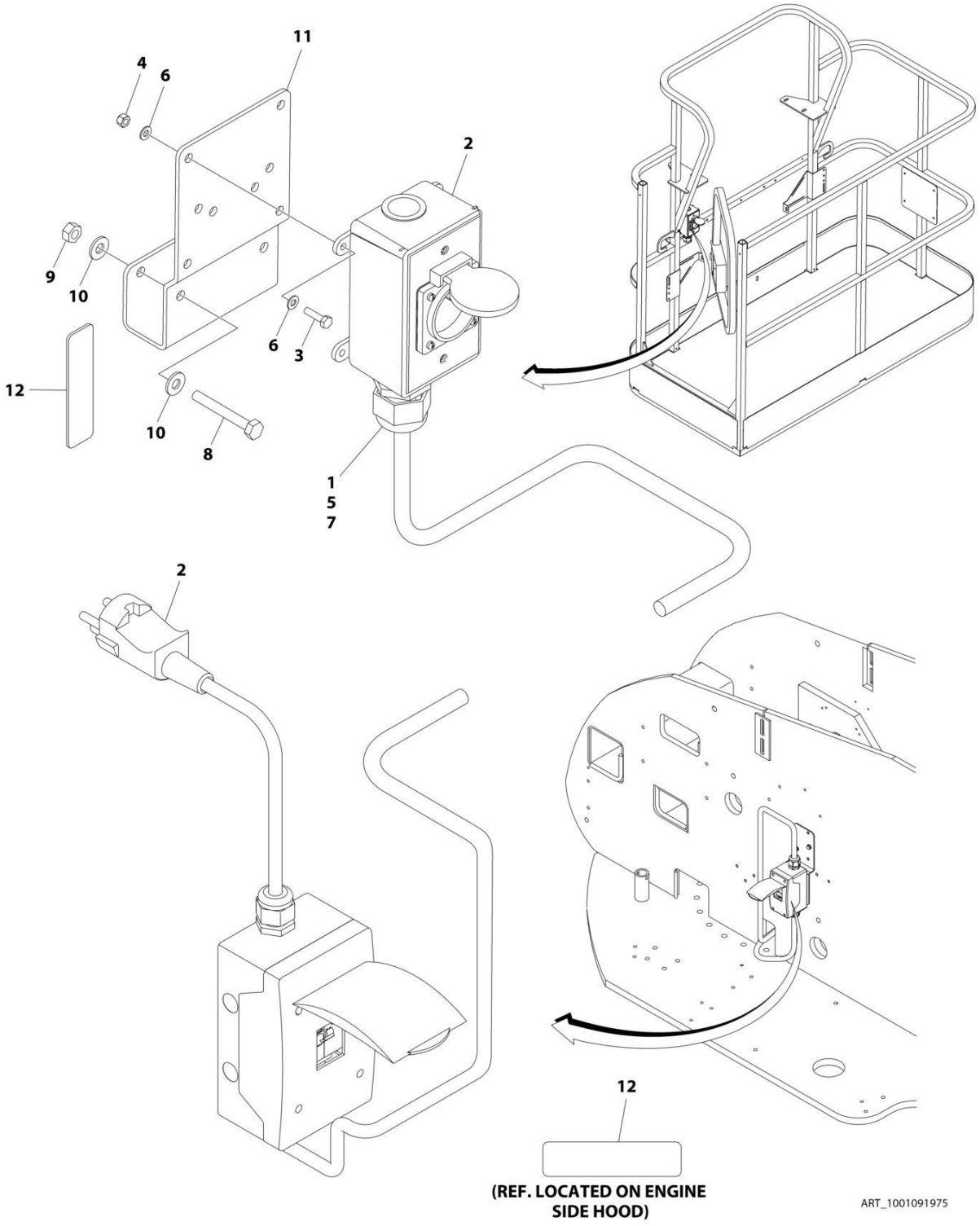


FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 (CE SPECS) (WITHOUT GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091975	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 2X4 BOX KEYED GROUND	F
1	0100020	AR	Sealant, Pipe	
2	0275454	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
3	0700408	4	Bolt M4 x 16	
4	3290405	4	Nut M4	
5	1001101197	1	Adapter	
6	4811400	8	Washer M4	
7	1001101191	1	Connector, Strain Relief	
8	0641416	2	Bolt 1/4 x 2	
9	3311405	2	Nut 1/4	
10	4711400	4	Washer 1/4	
11	1001193018	1	Bracket	
12	3251242	2	Decal - 240V/50Hz	
13	1001205958	3	Terminal (Not Shown)	

FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 (CE SPECS) (4000W GENERATOR)

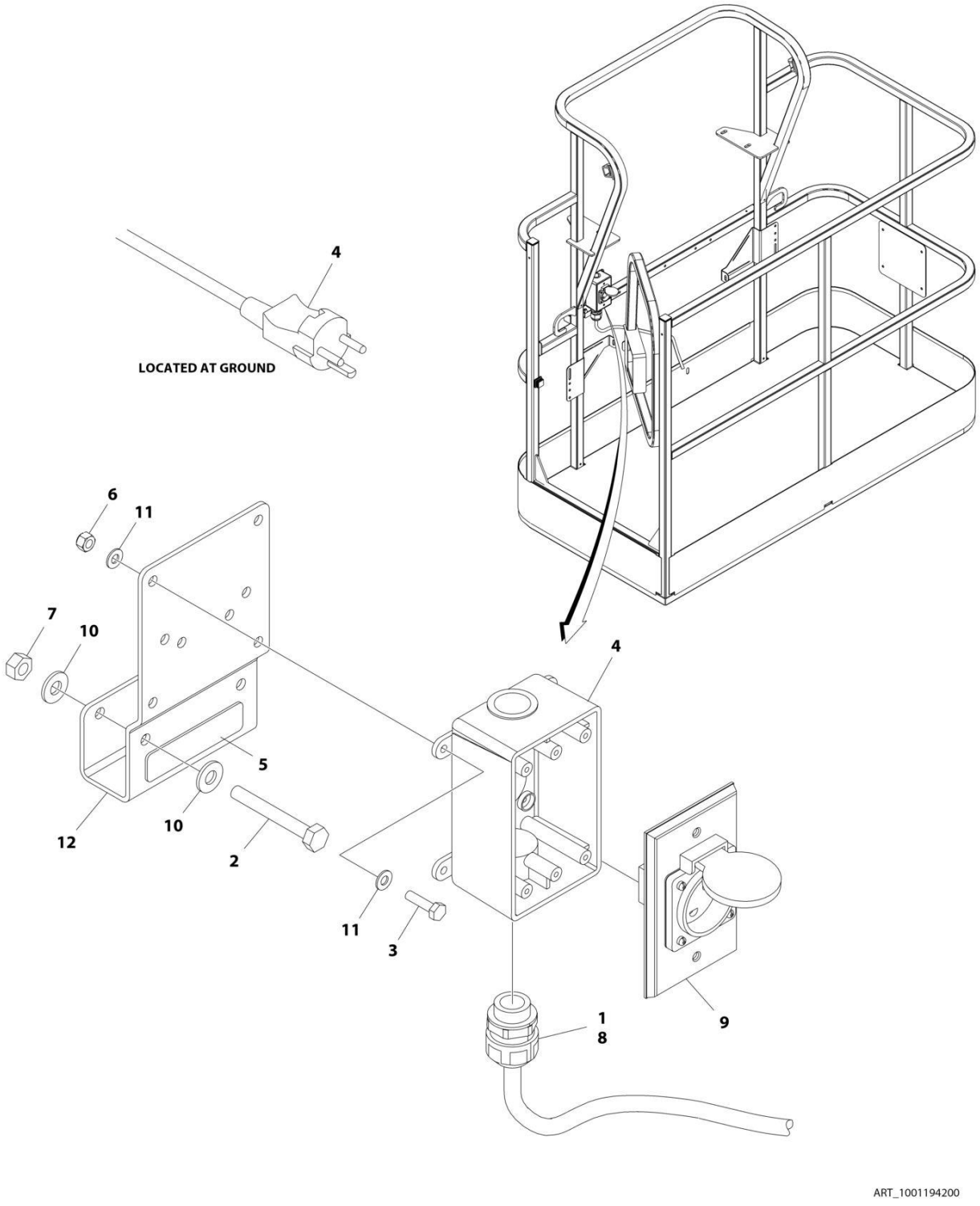


FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 (CE SPECS) (4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194200	Ref	AC BOX AT PLATFORM INSTALLATION	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	3251242	1	Decal - 240V/50Hz	
6	3290405	4	Nut M4	
7	3311405	2	Nut 1/4	
8	4460662	1	Connector, Strain Relief	
9	4461246	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	
13	1001205958	1	Terminal (Not Shown)	

FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI, ANSI EXPORT AND CSA SPECS WITH 4000W SKYPOWER GENERATOR)

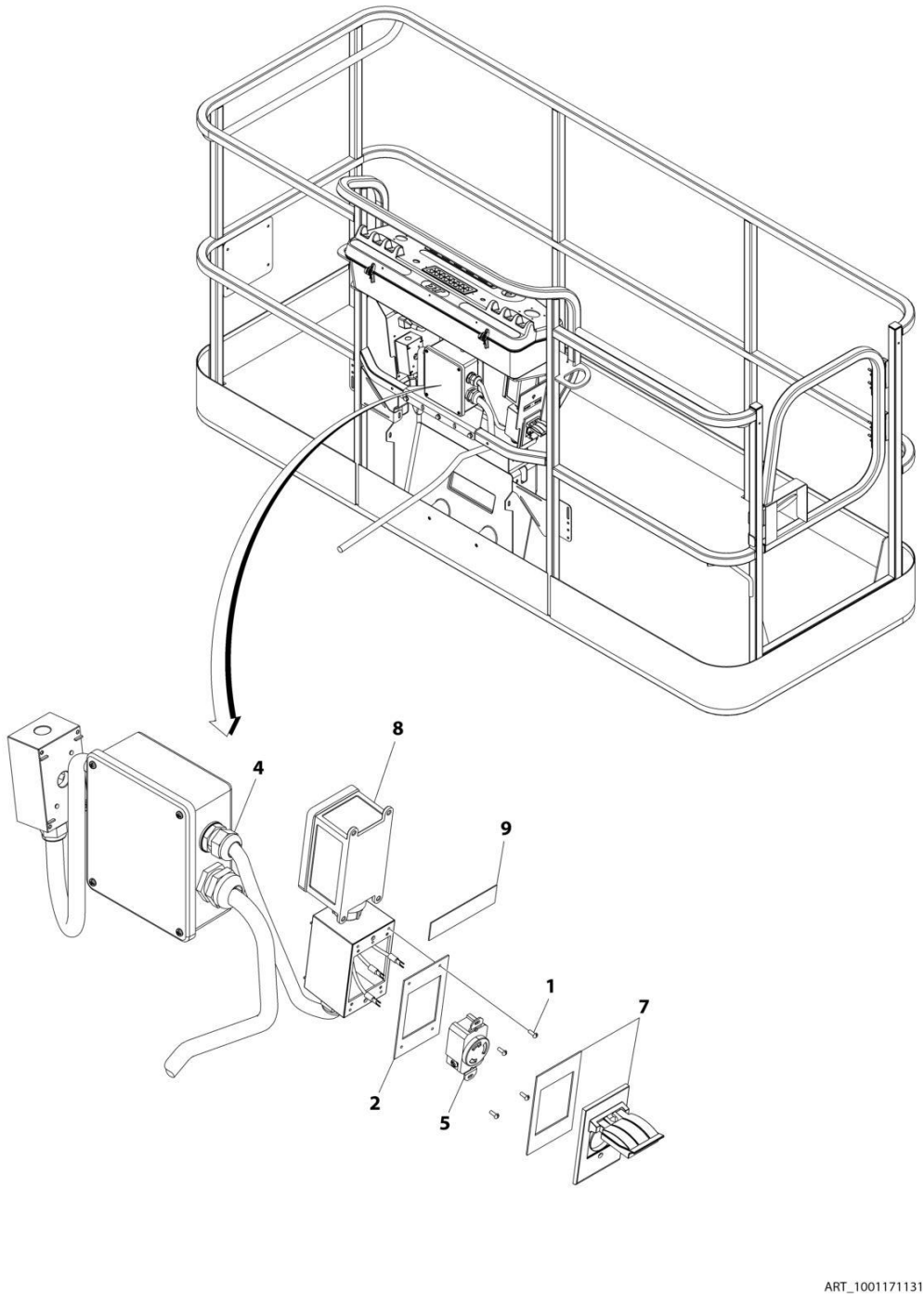


FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI, ANSI EXPORT AND CSA SPECS WITH 4000W SKYPOWER GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171131	Ref	AC BOX AT PLATFORM INSTALLATION - 240V RECEPTACLE	B
1	3910606	4	Screw 6 x 3/8	
2	3960422	1	Gasket	
3	4240018	AR	Tie-Strap (Not Shown)	
4	4460425	1	Connector, Strain Relief	
5	1001176862	1	Receptacle	
7	1001110872	1	Cover, Receptacle	
8	1001159120	1	Receptacle/Breaker Box Assembly	
8	1001148675	1	Box, Receptacle	
8	1001159118	1	Breaker GFCI 30Amp 240VAC	
8	4460612	1	Connector, Strain Relief	
8	1001159119	1	Connector (Between Boxes)	
9	1705374	1	Decal - 240V/60Hz	

FIGURE 8-14. BATTERY DISCONNECT INSTALLATION

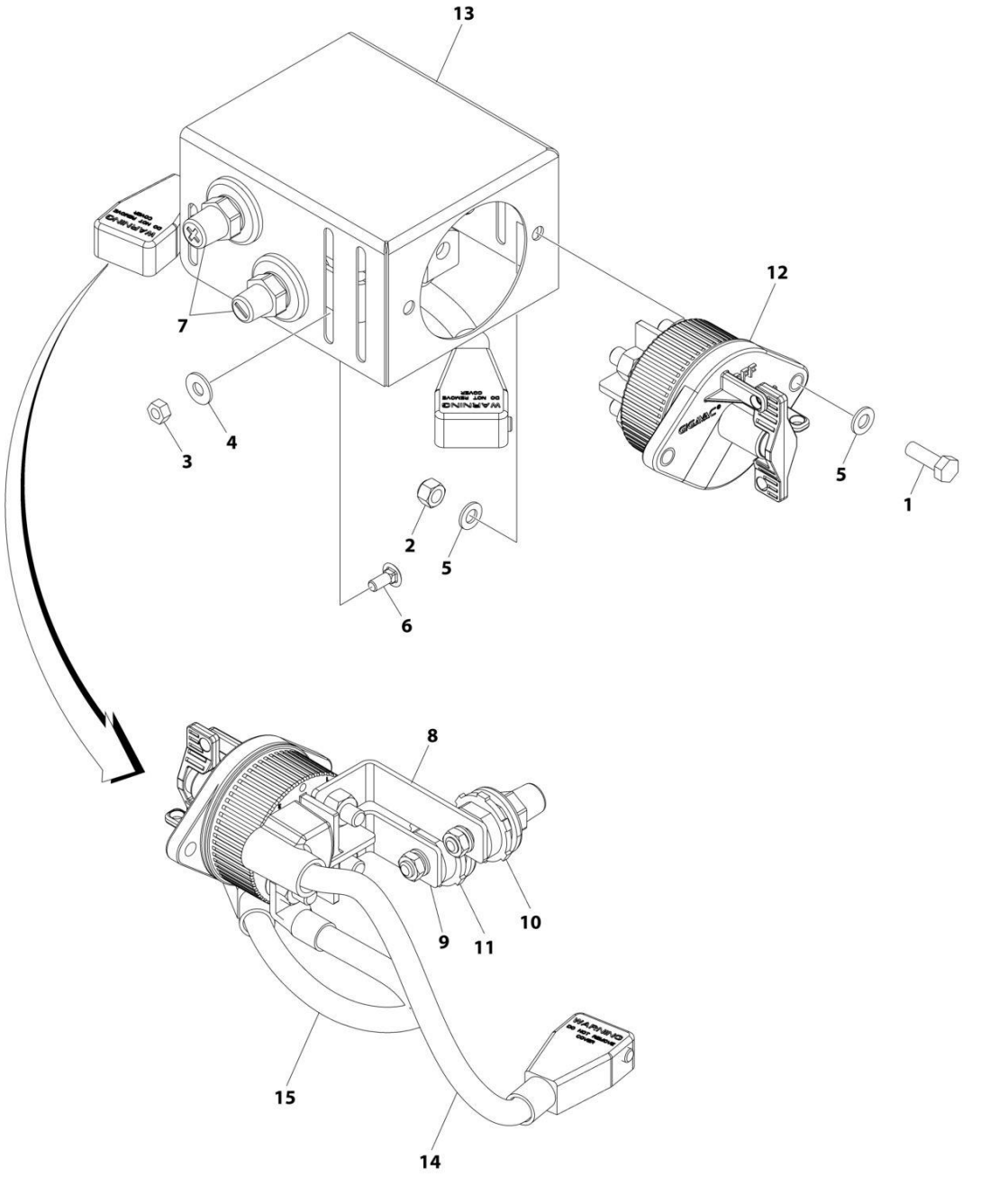


FIGURE 8-14. BATTERY DISCONNECT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236304	Ref	BATTERY DISCONNECT SWITCH INSTALLATION	A
1	0760812	2	Bolt M8 x 25	
2	3290805	2	Nut M8	
3	3311405	3	Nut 1/4	
4	4751400	3	Washer 1/4	
5	4811900	4	Washer M8	
6	88411013	3	Bolt 1/4 x 3/4	
7	1001206476	1	Connectors, Post	
8	1001209432	1	Bussbar	
9	1001209474	1	Bussbar	
10	1001214570	1	Connector (Red)	
11	1001214571	1	Connector (Black)	
12	1001225346	1	Switch, Battery	
13	1001226531	1	Mount	
14	1001236504	1	Cable, Battery (+)	
15	1001236505	1	Cable, Battery (-)	

FIGURE 8-15. BOOM HARNESS - 400S HC3

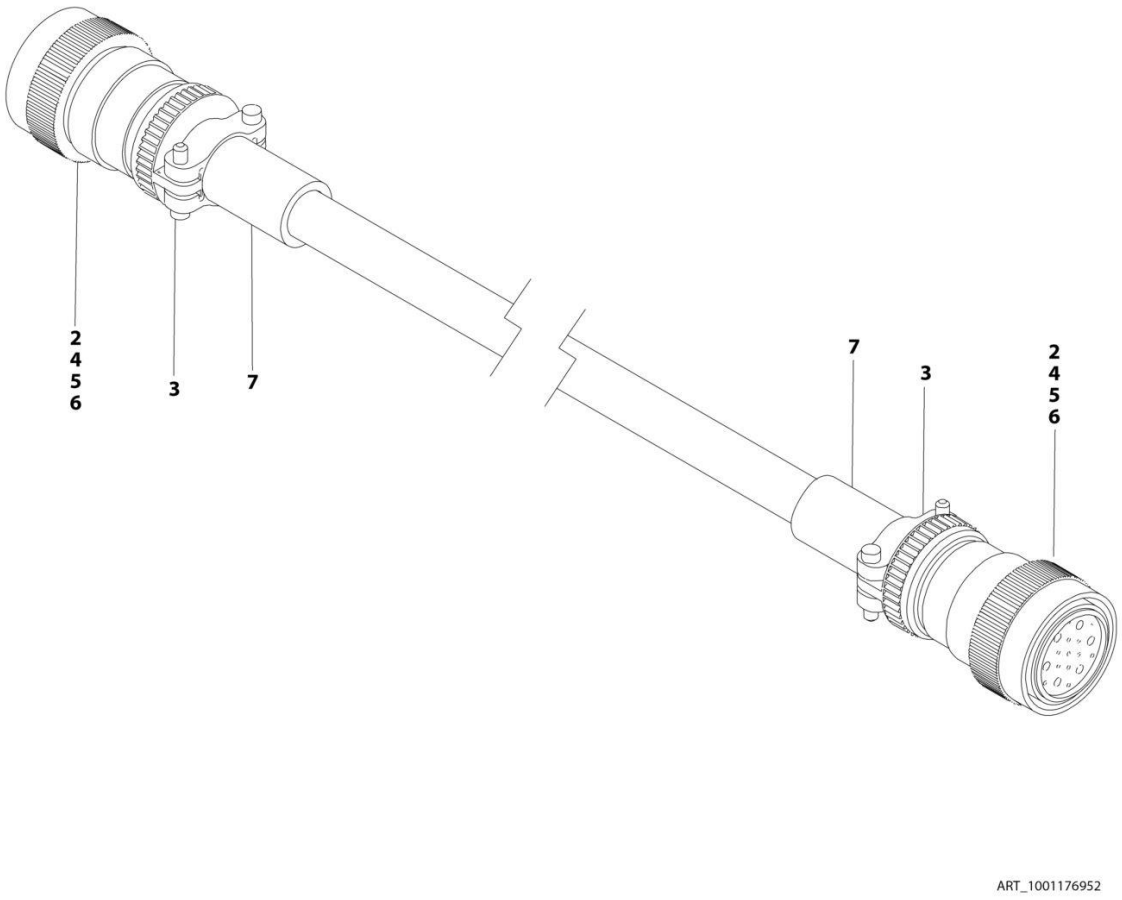


FIGURE 8-15. BOOM HARNESS - 400S HC3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176952	Ref	BOOM HARNESS	C
2	4460865	2	Connector - 19 Position	
3	4460473	2	Clamp	
4	4460465	20	Socket, Female	
5	4460509	8	Socket, Female	
6	4460466	10	Plug, Socket	
7	1001226400	AR	Heat Shrink	

FIGURE 8-16. BOOM HARNESS - 460SJ HC3

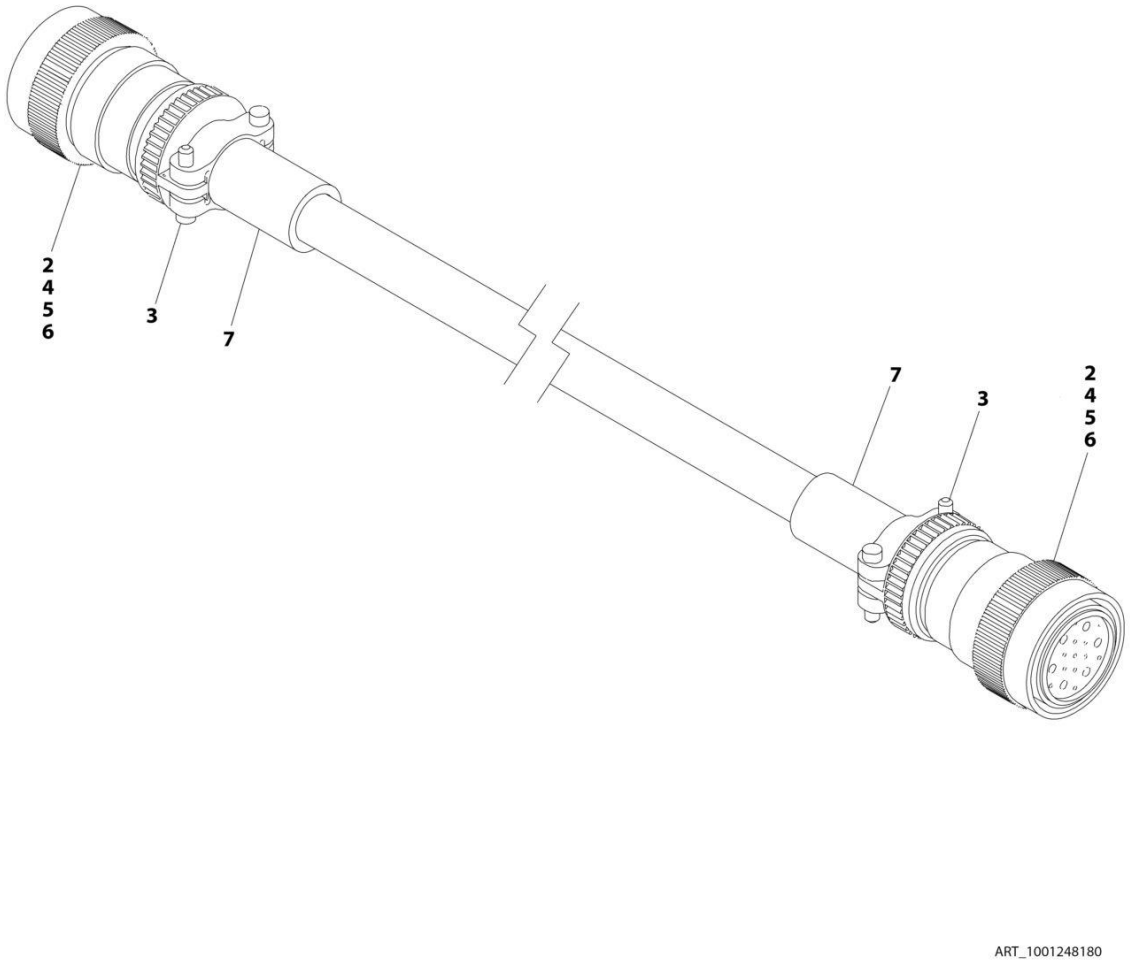


FIGURE 8-16. BOOM HARNESS - 460SJ HC3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248180	Ref	BOOM HARNESS	A
2	4460865	2	Connector - 19 Position	
3	4460473	2	Clamp	
4	4460465	20	Socket, Female	
5	4460509	8	Socket, Female	
6	4460466	10	Plug, Socket	
7	1001226400	2	Heat Shrink	

FIGURE 8-17. BREAKER BOX INSTALLATION - 110V/220V WITH 1 BREAKER (CE SPECS)

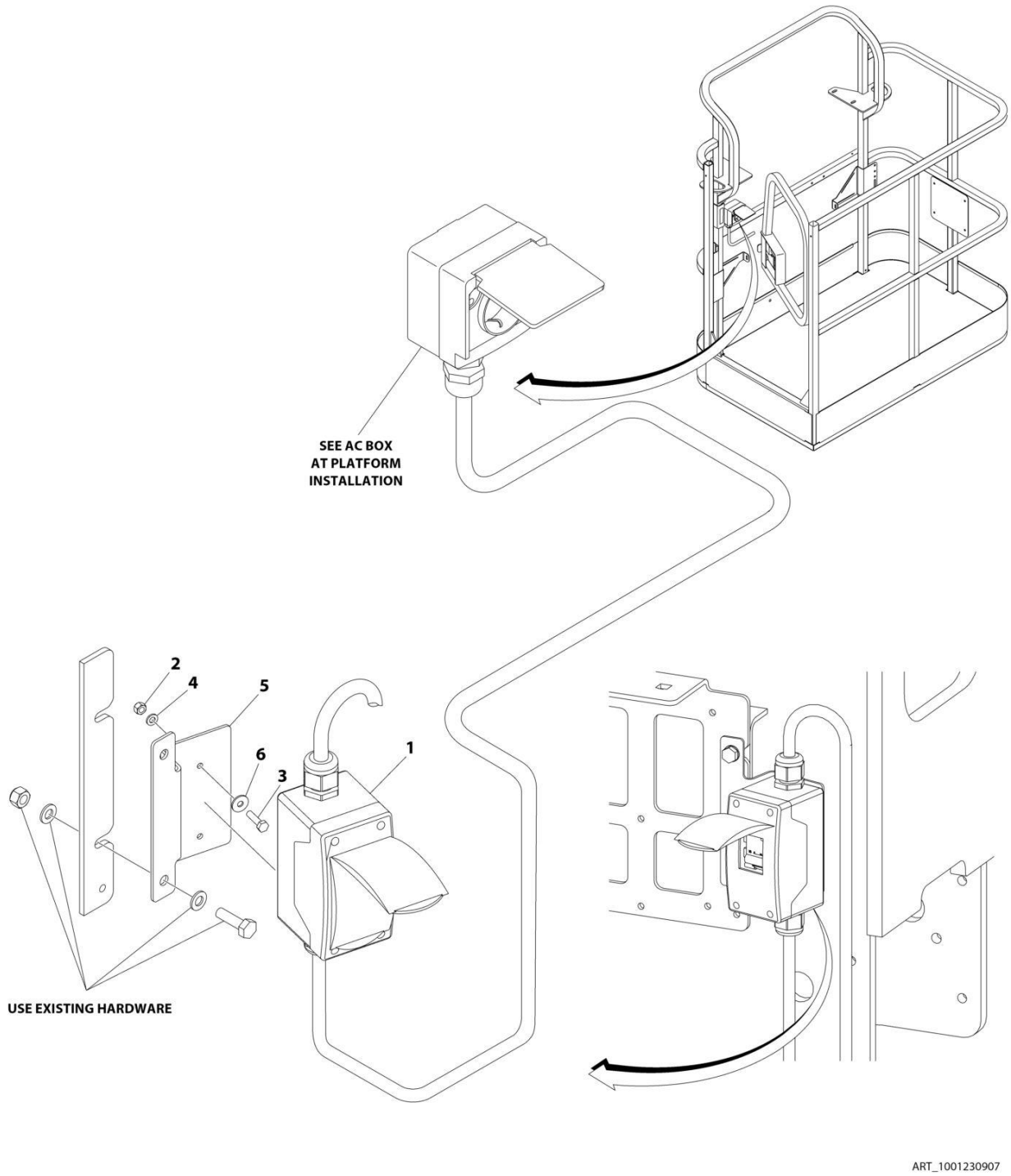


FIGURE 8-17. BREAKER BOX INSTALLATION - 110V/220V WITH 1 BREAKER (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230907	Ref	BREAKER BOX INSTALLATION - 110/220V 16AMP BREAKER	C
1	2902549	1	Breaker Box Kit (See Separate Breakdown in this Section)	
2	3290405	2	Nut M4	
2	3290605	2	Nut M6	
3	4010405	2	Screw M4 x 10	
3	0760614	2	Screw M6 x 30	
4	1001091102	2	Washer M4	
4	4811700	2	Washer M6	
5	1001230784	1	Bracket	
6	4811702	2	Washer M6	

FIGURE 8-18. BREAKER BOX INSTALLATION - 110V/220V WITH 3 BREAKERS (CE SPECS)

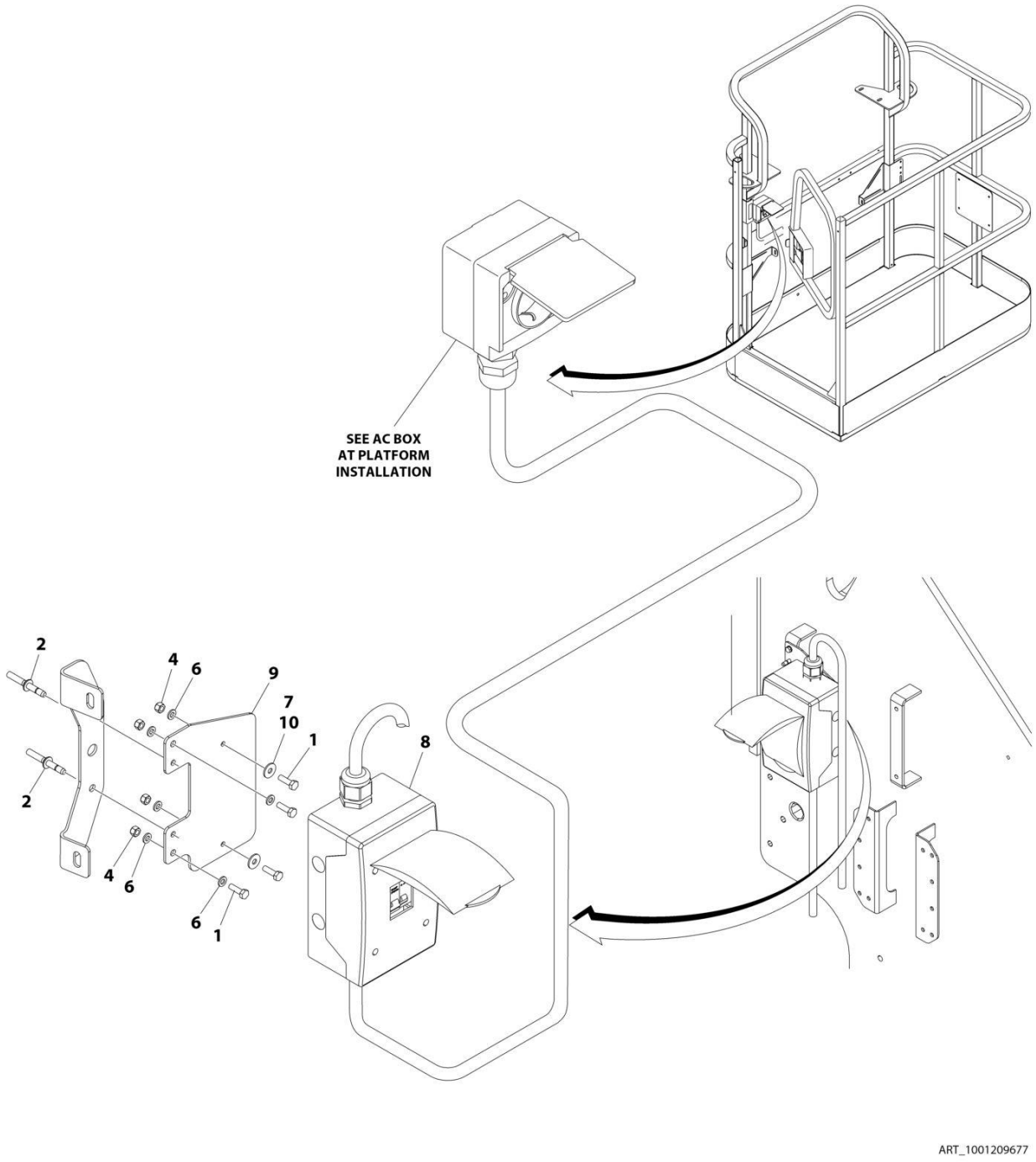


FIGURE 8-18. BREAKER BOX INSTALLATION - 110V/220V WITH 3 BREAKERS (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209677	Ref	AC CABLE INSTALLATION - WITH THREE BREAKERS	B
1	0760610	AR	Bolt M6 x 20	
1	4010405	AR	Bolt M4 x 10	
2	2080040	AR	Fastener, Huck	
4	3290605	AR	Nut M6	
6	4811700	4	Washer M6	
7	1001091102	AR	Washer M4	
8	1001152485	1	Breaker Box Kit (See Separate Breakdown in this Section)	
9	1001209832	1	Bracket	
10	4811702	AR	Washer M6	

FIGURE 8-19. BREAKER BOX KIT - 1 DOUBLE BREAKER (CE SPECS)

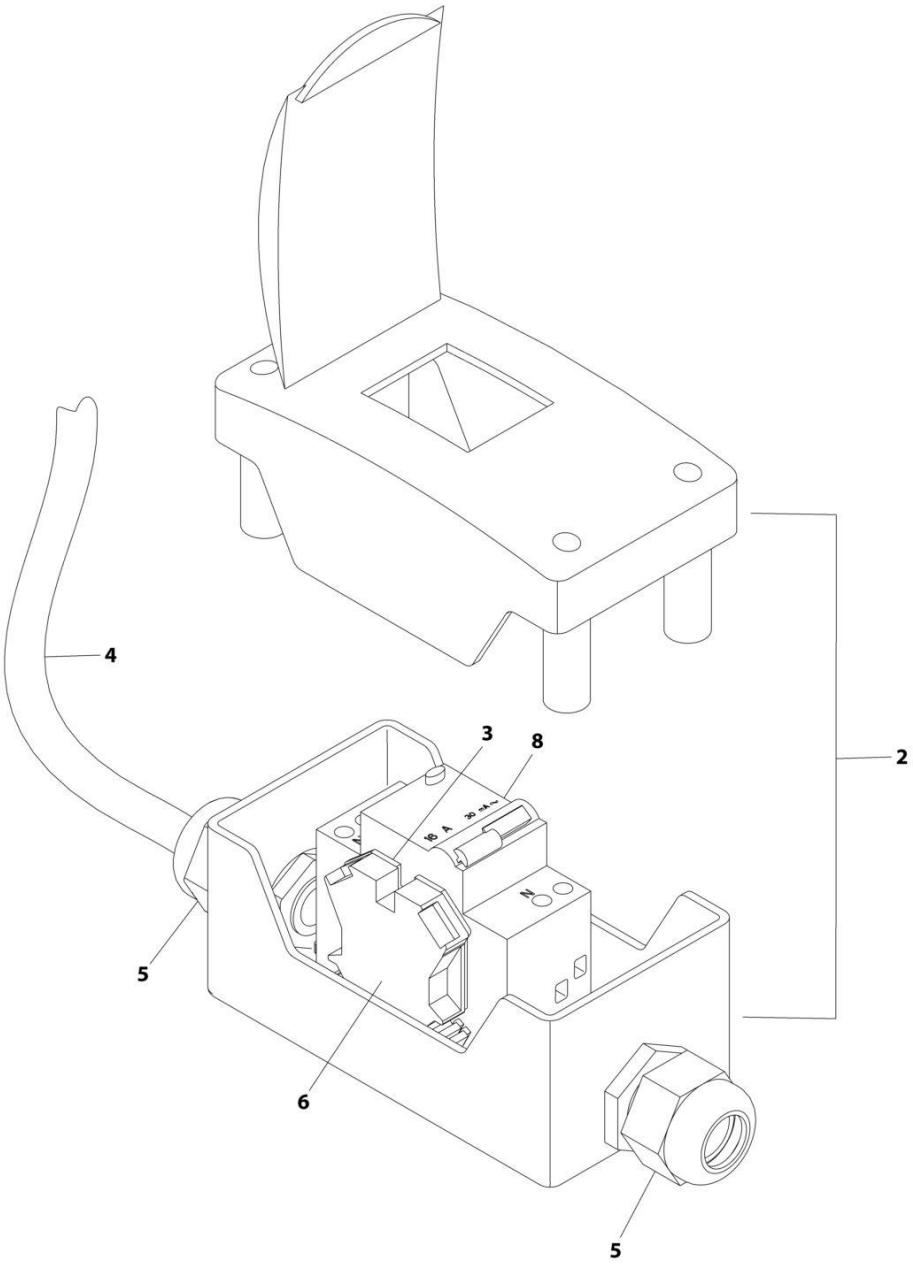


FIGURE 8-19. BREAKER BOX KIT - 1 DOUBLE BREAKER (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096070	Ref	BREAKER BOX KIT	E
2	0861880	1	Box	
3	4460956	1	Barrier, Terminal Block End	
4	1060908	12 ft/ 3.6m	Cable, 12/3	
5	1001097150	2	Connector, Strain Relief	
6	4460957	1	Block, Terminal	
8	1001181045	1	Breaker, 16Amp	

FIGURE 8-20. BREAKER BOX KIT - 1 BREAKER (CE SPECS)

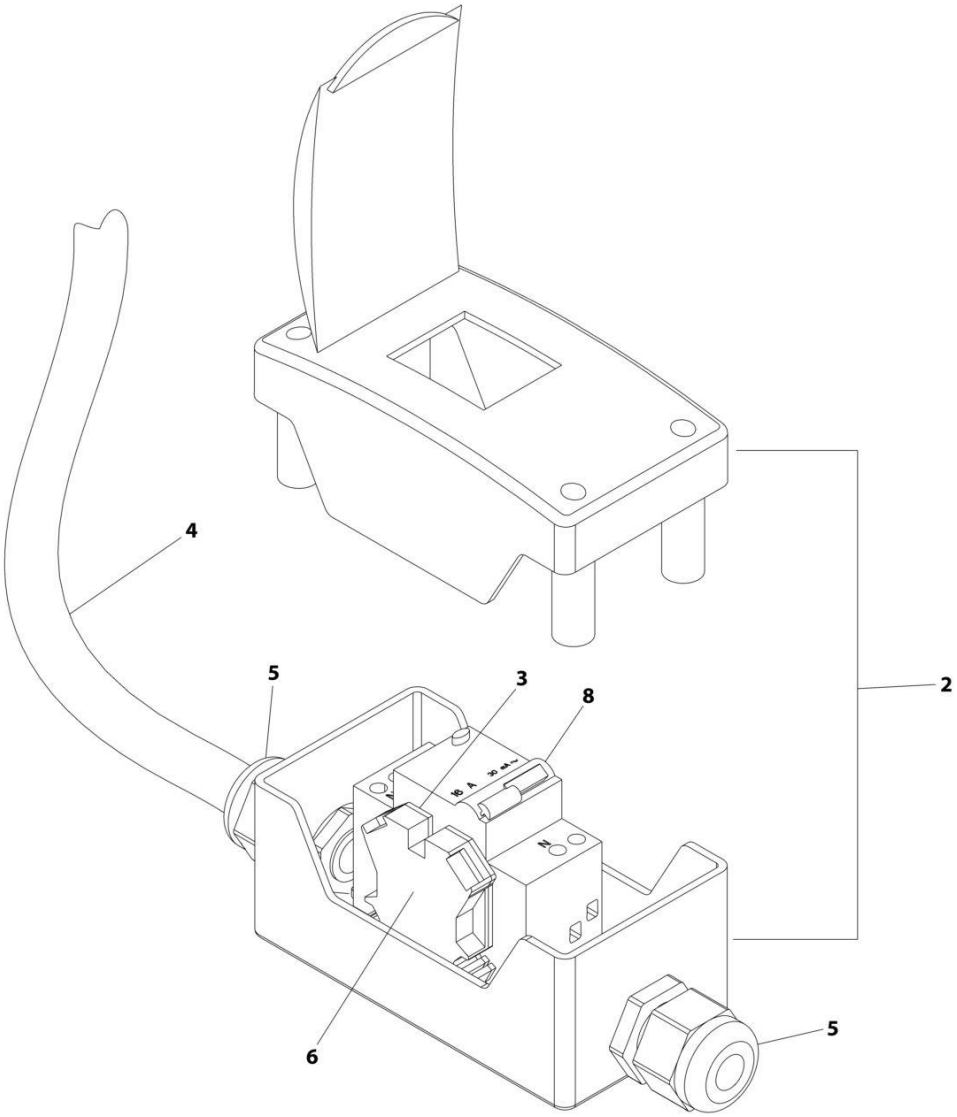


FIGURE 8-20. BREAKER BOX KIT - 1 BREAKER (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902549	Ref	BREAKER BOX KIT	F
2	0861880	1	Box	
3	4460956	1	Barrier, Terminal	
4	1060908	6 ft/1.8m	Cable, 12/3	
5	1001097150	2	Connector, Strain Relief	
6	4460957	1	Block, Terminal	
8	1001181045	1	Breaker, 16Amp	

FIGURE 8-21. BREAKER BOX KIT - 3 BREAKERS (CE SPECS)

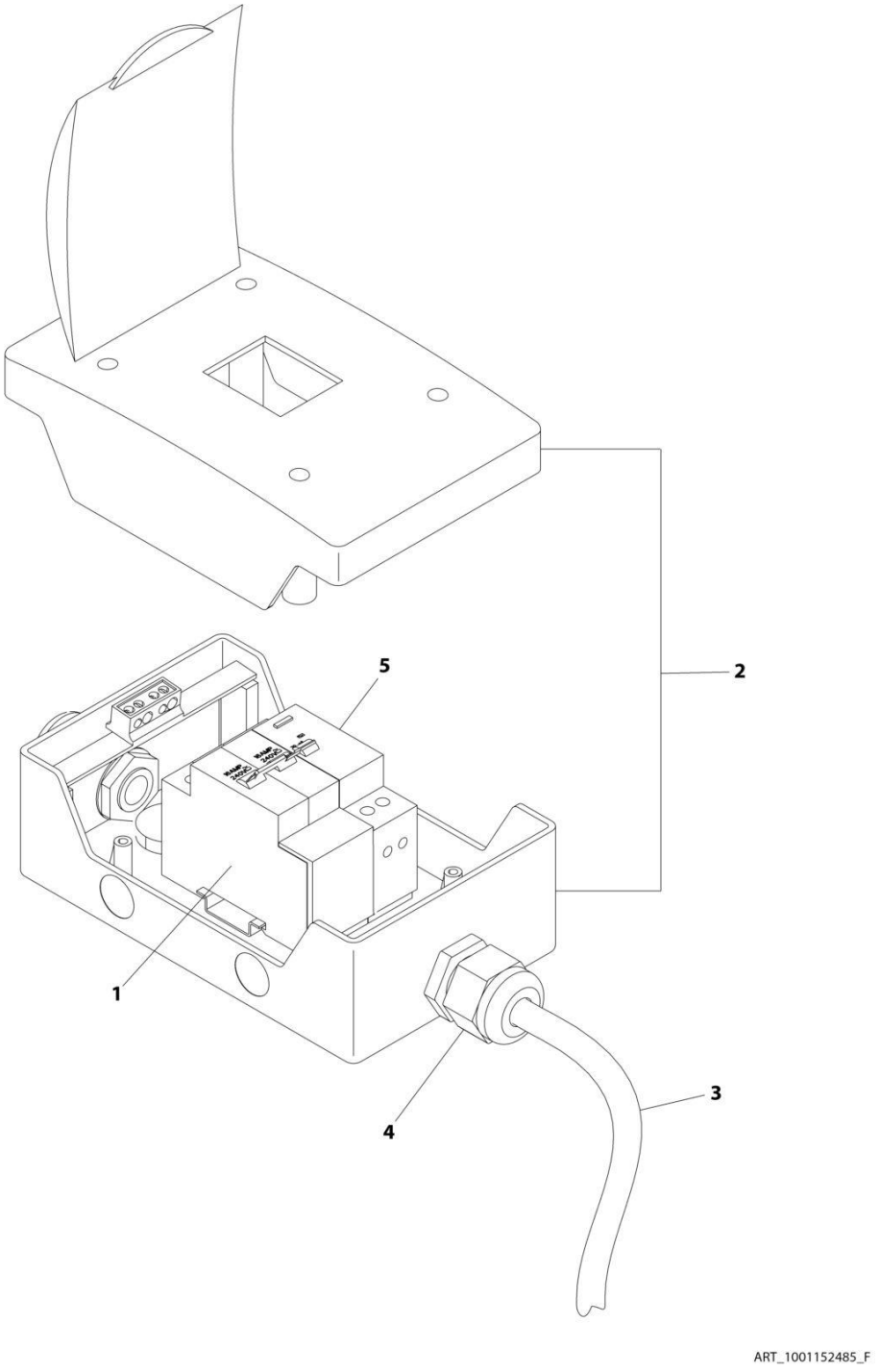


FIGURE 8-21. BREAKER BOX KIT - 3 BREAKERS (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152485	Ref	BREAKER BOX KIT WITH TWO BREAKERS	F
1	1001189172	1	Breaker 16Amp Double	
2	1001152483	1	Box	
3	1060908	6 ft/1.8m	Cable, 12/3	
4	1001097150	2	Connector, Strain Relief	
5	1001189171	1	Breaker, 30mA	

FIGURE 8-22. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 2500W GENERATOR OR NO GENERATOR (Prior to SN 0300280117)

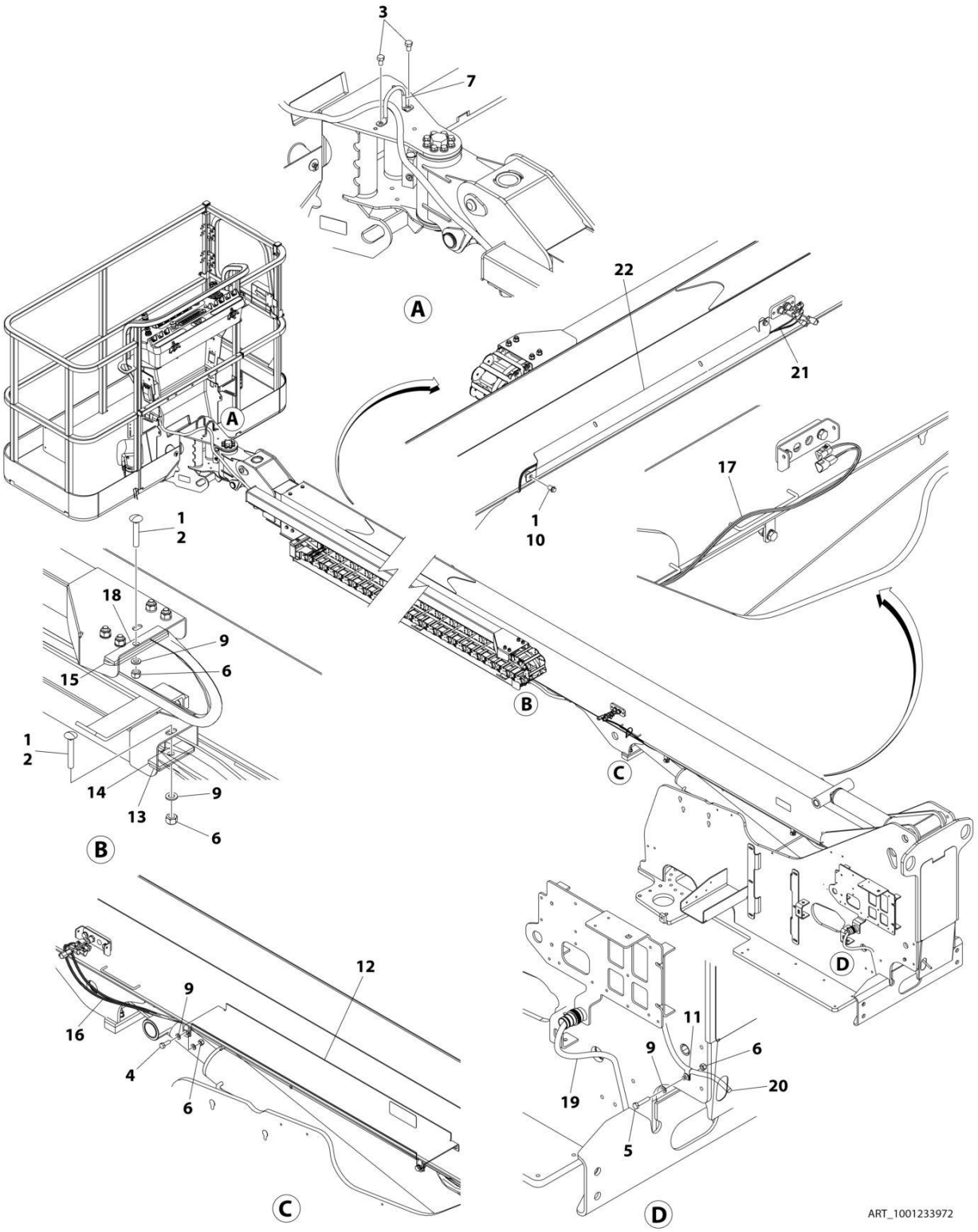


FIGURE 8-22. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 2500W GENERATOR OR NO GENERATOR (Prior to SN 0300280117)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233972	Ref	CABLES AND CLAMPS INSTALLATION	B
1	0100081	AR	Adhesive	
2	0630563	2	Bolt M10 x 60	
3	0641504	2	Bolt 5/16 x 1/2	
4	0761014	4	Bolt M10 x 30	
5	0761018	1	Bolt M10 x 50	
6	3291005	7	Nut M10 x 1.5	
7	3841340	1	Hose Loop	
8	4240033	4	Tie - Strap (Not Shown)	
9	4812000	12	Washer M10	
10	5261008	2	Nut M10	
11	8406110	1	Clip	
12	1001172128	1	Bracket, Hose Cover	
13	1001173456	1	Clamp	
14	1001173665	1	Clamp	
15	1001173761	1	Bracket	
16	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
17	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
18	1001173927	1	Clamp	
19	1001176952	1	Harness, Boom (See Separate Breakdown in this Section)	
20	1001203434	1	Cable, Electrical 12/3	
21	1001237284	1	Telescope Out Proximity Sensors Harness (See Separate Breakdown in this Section)	
22	1001238138	1	Angle	

FIGURE 8-23. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 2500W GENERATOR OR NO GENERATOR (SN 0300280117 to Present)

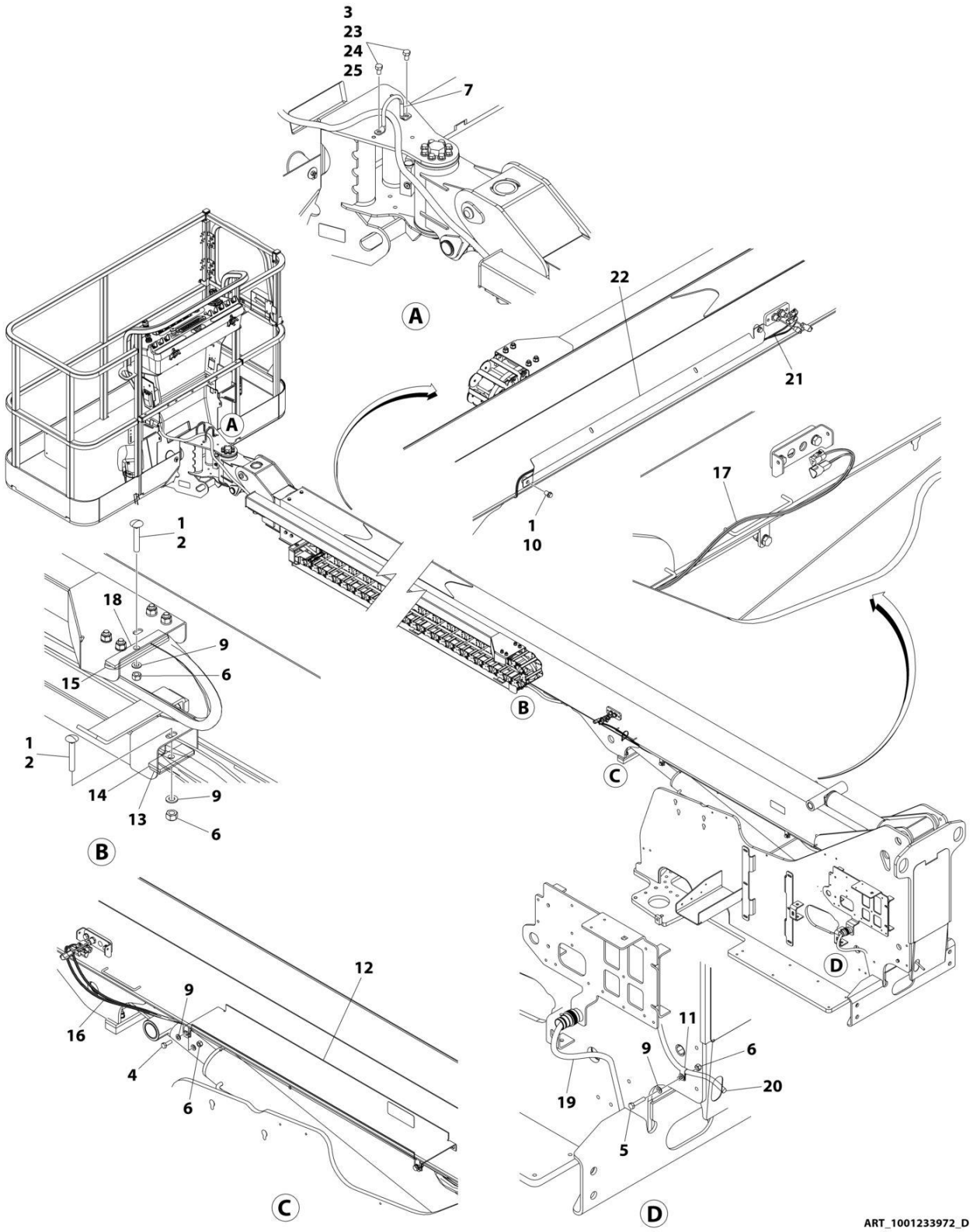


FIGURE 8-23. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 2500W GENERATOR OR NO GENERATOR (SN 0300280117 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233972	Ref	CABLES AND CLAMPS INSTALLATION	D
1	0100081	AR	Adhesive	
2	0630563	2	Bolt M10 x 60	
3	0641504	2	Bolt 5/16 x 1/2	
4	0761014	4	Bolt M10 x 30	
5	0761018	1	Bolt M10 x 50	
6	3291005	7	Nut, Lock M10	
7	3841340	1	Hose Loop	
8	4240033	4	Tie - Strap (Not Shown)	
9	4812000	12	Washer M10	
10	5261008	2	Nut M10 Class 10	
11	8406110	1	Clip	
12	1001172128	1	Bracket, Hose Cover	
13	1001173456	1	Clamp	
14	1001173665	1	Clamp	
15	1001173761	1	Bracket	
16	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
17	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
18	1001173927	1	Clamp	
19	1001176952	1	Harness, Boom (See Separate Breakdown in this Section)	
20	1001203434	1	Cable, Electrical 12/3	
21	1001248183	1	Telescope Out Proximity Sensors Harness (See Separate Breakdown in this Section)	
22	1001238138	1	Angle	
23	0760814	2	Bolt M8 x 30	
24	3290805	2	Nut, Lock M8	
25	4811900	4	Washter M8	

FIGURE 8-24. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 4000W/50HZ GENERATOR (Prior to SN 0300280117)

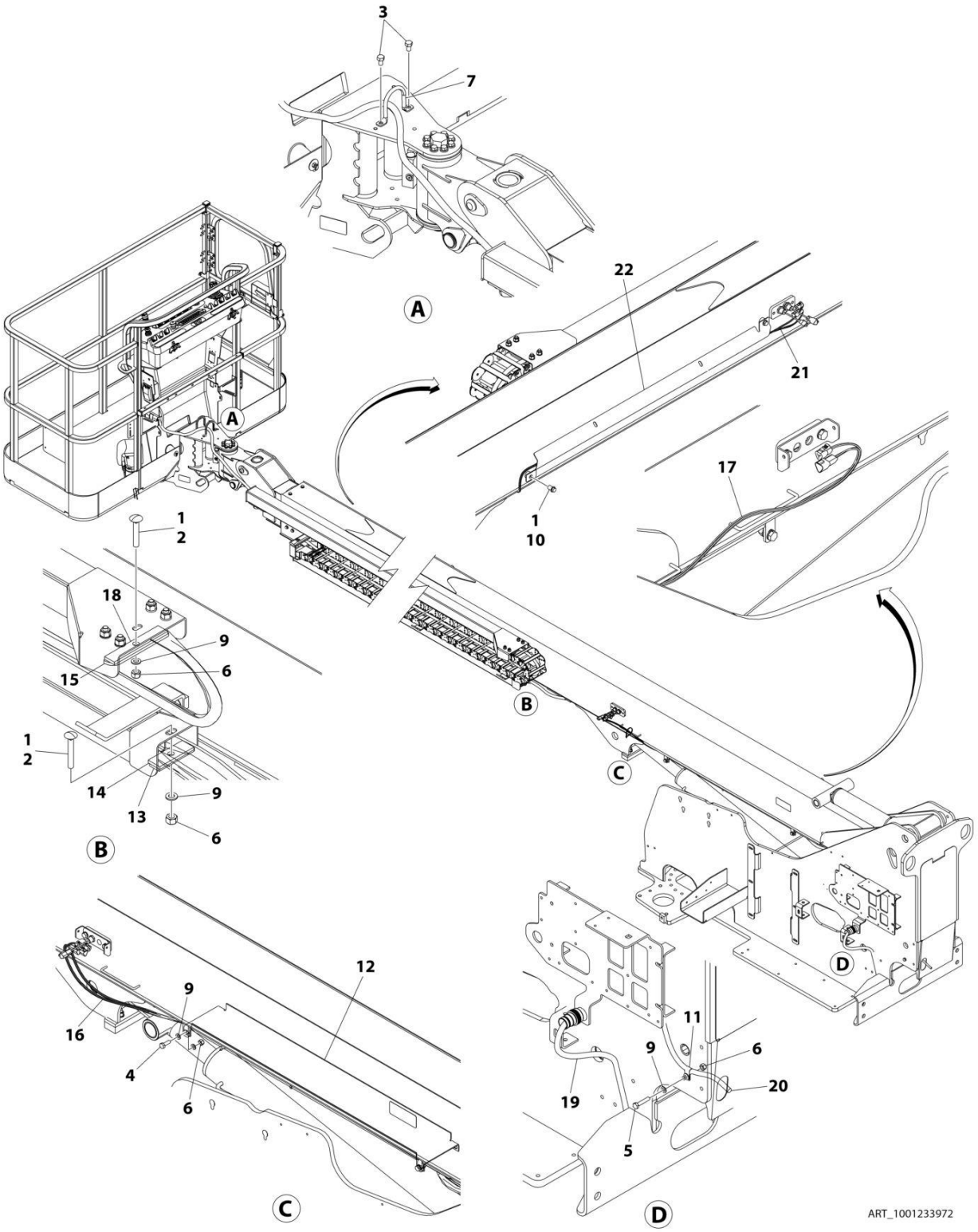


FIGURE 8-24. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 4000W/50HZ GENERATOR (Prior to SN 0300280117)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233972	Ref	CABLES AND CLAMPS INSTALLATION	B
1	0100081	AR	Adhesive	
2	0630563	2	Bolt M10 x 60	
3	0641504	2	Bolt 5/16 x 1/2	
4	0761014	4	Bolt M10 x 30	
5	0761018	1	Bolt M10 x 50	
6	3291005	7	Nut M10 x 1.5	
7	3841340	1	Hose Loop	
8	4240033	4	Tie - Strap (Not Shown)	
9	4812000	12	Washer M10	
10	5261008	2	Nut M10	
11	8406110	1	Clip	
12	1001172128	1	Bracket, Hose Cover	
13	1001173456	1	Clamp	
14	1001173665	1	Clamp	
15	1001173761	1	Bracket	
16	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
17	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
18	1001173927	1	Clamp	
19	1001176952	1	Harness, Boom (See Separate Breakdown in this Section)	
20	1001203434	1	Cable, Electrical 12/3	
21	1001237284	1	Telescope Out Proximity Sensors Harness (See Separate Breakdown in this Section)	
22	1001238138	1	Angle	

FIGURE 8-25. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 4000W/50HZ GENERATOR (SN 0300280117 to Present)

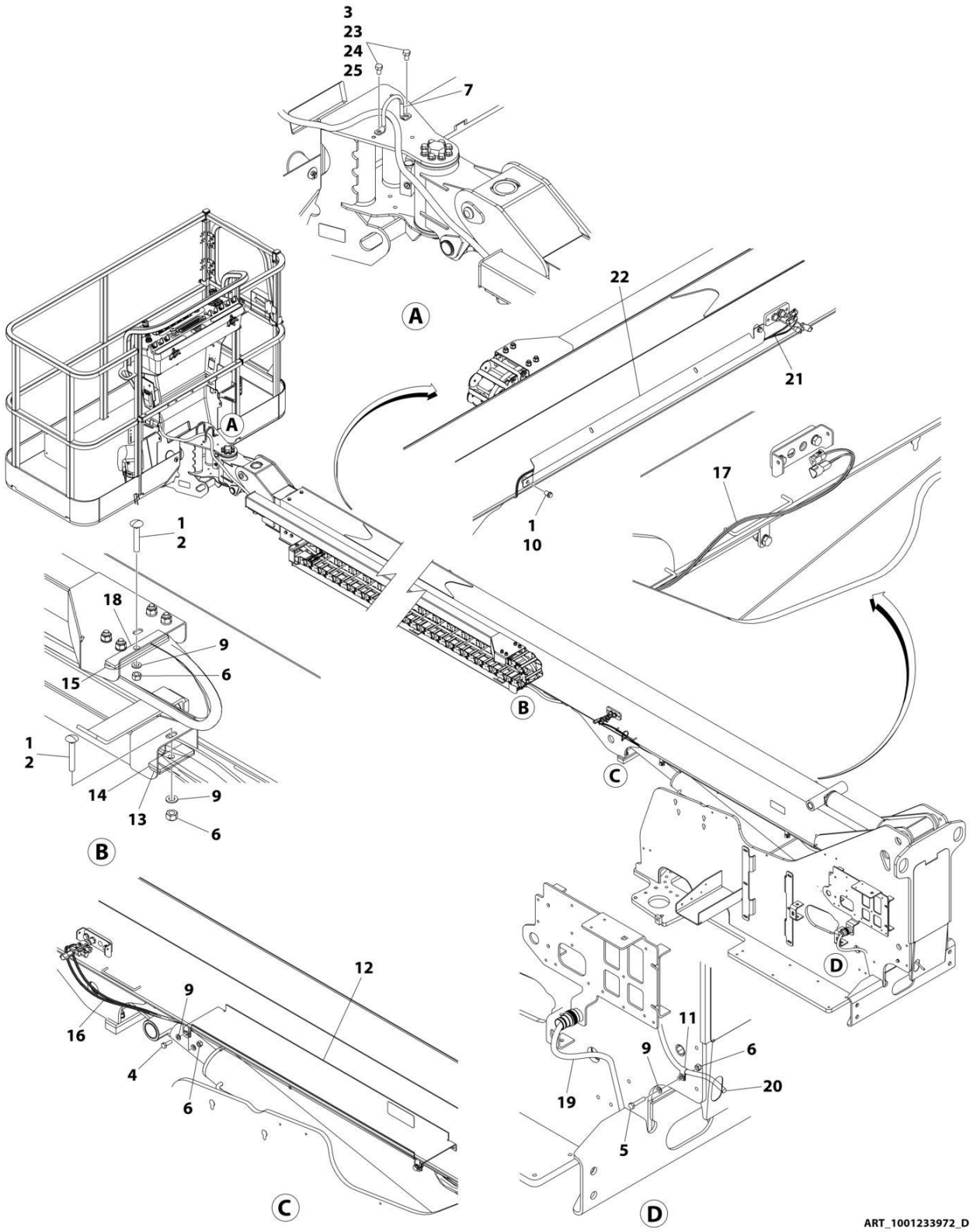


FIGURE 8-25. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 4000W/50HZ GENERATOR (SN 0300280117 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233972	Ref	CABLES AND CLAMPS INSTALLATION	D
1	0100081	AR	Adhesive	
2	0630563	2	Bolt M10 x 60	
3	0641504	2	Bolt 5/16 x 1/2	
4	0761014	4	Bolt M10 x 30	
5	0761018	1	Bolt M10 x 50	
6	3291005	7	Nut, Lock M10	
7	3841340	1	Hose Loop	
8	4240033	4	Tie - Strap (Not Shown)	
9	4812000	12	Washer M10	
10	5261008	2	Nut M10 Class 10	
11	8406110	1	Clip	
12	1001172128	1	Bracket, Hose Cover	
13	1001173456	1	Clamp	
14	1001173665	1	Clamp	
15	1001173761	1	Bracket	
16	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
17	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
18	1001173927	1	Clamp	
19	1001176952	1	Harness, Boom (See Separate Breakdown in this Section)	
20	1001203434	1	Cable, Electrical 12/3	
21	1001248183	1	Telescope Out Proximity Sensors Harness (See Separate Breakdown in this Section)	
22	1001238138	1	Angle	
23	0760814	2	Bolt M8 x 30	
24	3290805	2	Nut, Lock M8	
25	4811900	4	Washter M8	

FIGURE 8-26. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 4000W/60HZ GENERATOR (Prior to SN 0300280117)

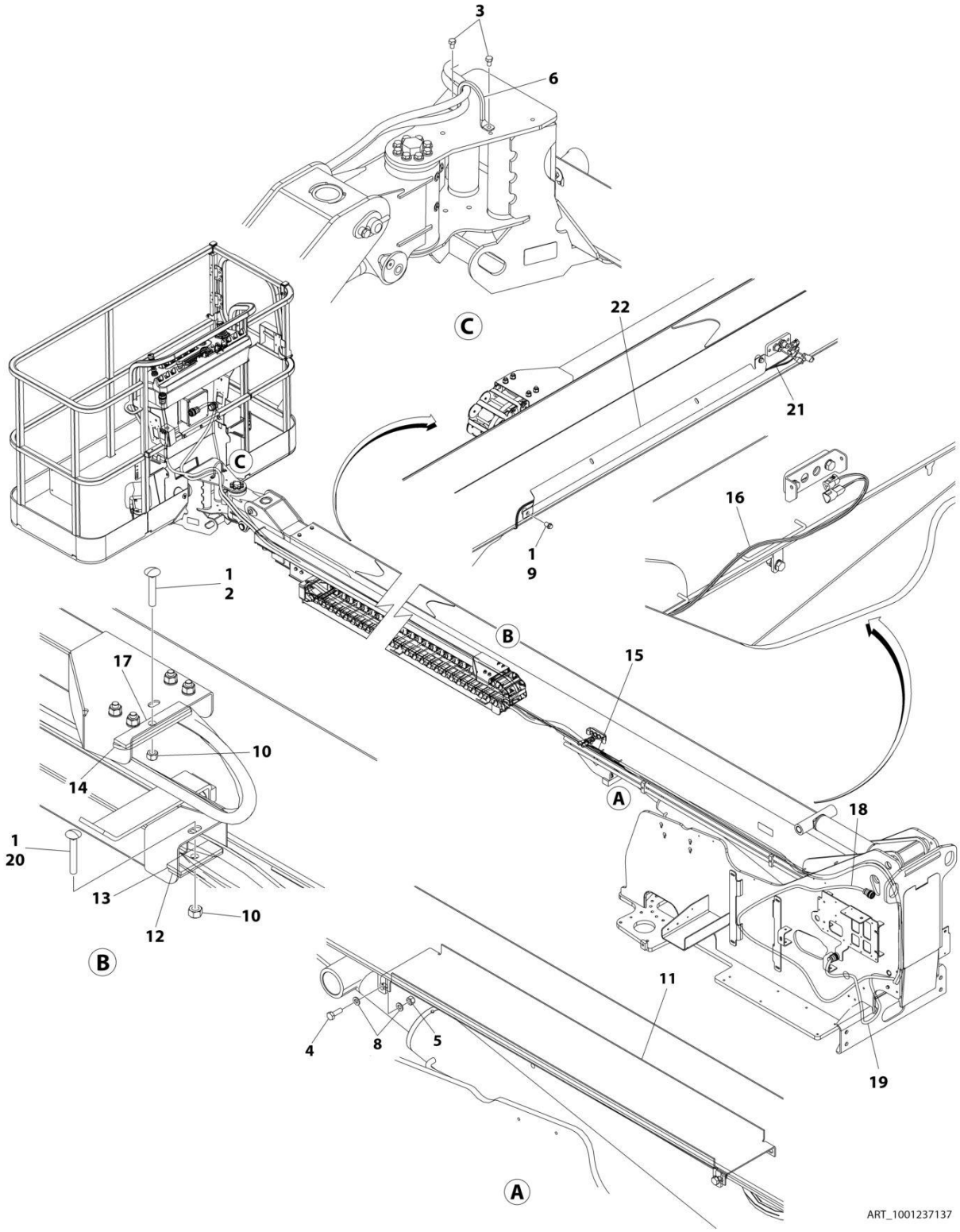


FIGURE 8-26. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 4000W/60HZ GENERATOR (Prior to SN 0300280117)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237137	Ref	CABLES AND CLAMPS INSTALLATION	B
1	0100081	AR	Adhesive	
2	0630563	1	Bolt M10 x 60	
3	0641605	2	Bolt 3/8 x 5/8	
4	0761014	4	Bolt M10 x 30	
5	3291005	4	Nut M10 x 1.5	
6	3841340	1	Hose Loop	
7	4240033	4	Tie - Strap (Not Shwon)	
8	4812000	8	Washer M10	
9	5261008	2	Nut M10	
10	5261018	2	Nut M10	
11	1001172128	1	Bracket, Hose Cover	
12	1001173456	1	Clamp	
13	1001173665	1	Clamp	
14	1001173761	1	Bracket	
15	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
16	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
17	1001173927	1	Clamp	
18	1001175170	1	Cable, Electrical 10/4	
19	1001176952	1	Harness, Boom (See Separate Breakdown in this Section)	
20	1001181329	1	Bolt M10x70	
21	1001237284	1	Telescope Out Proximity Sensor Harness (See Separate Breakdown in this Section)	
22	1001238138	1	Angle	

FIGURE 8-27. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 4000W/60HZ GENERATOR (SN 0300280117 to Present)

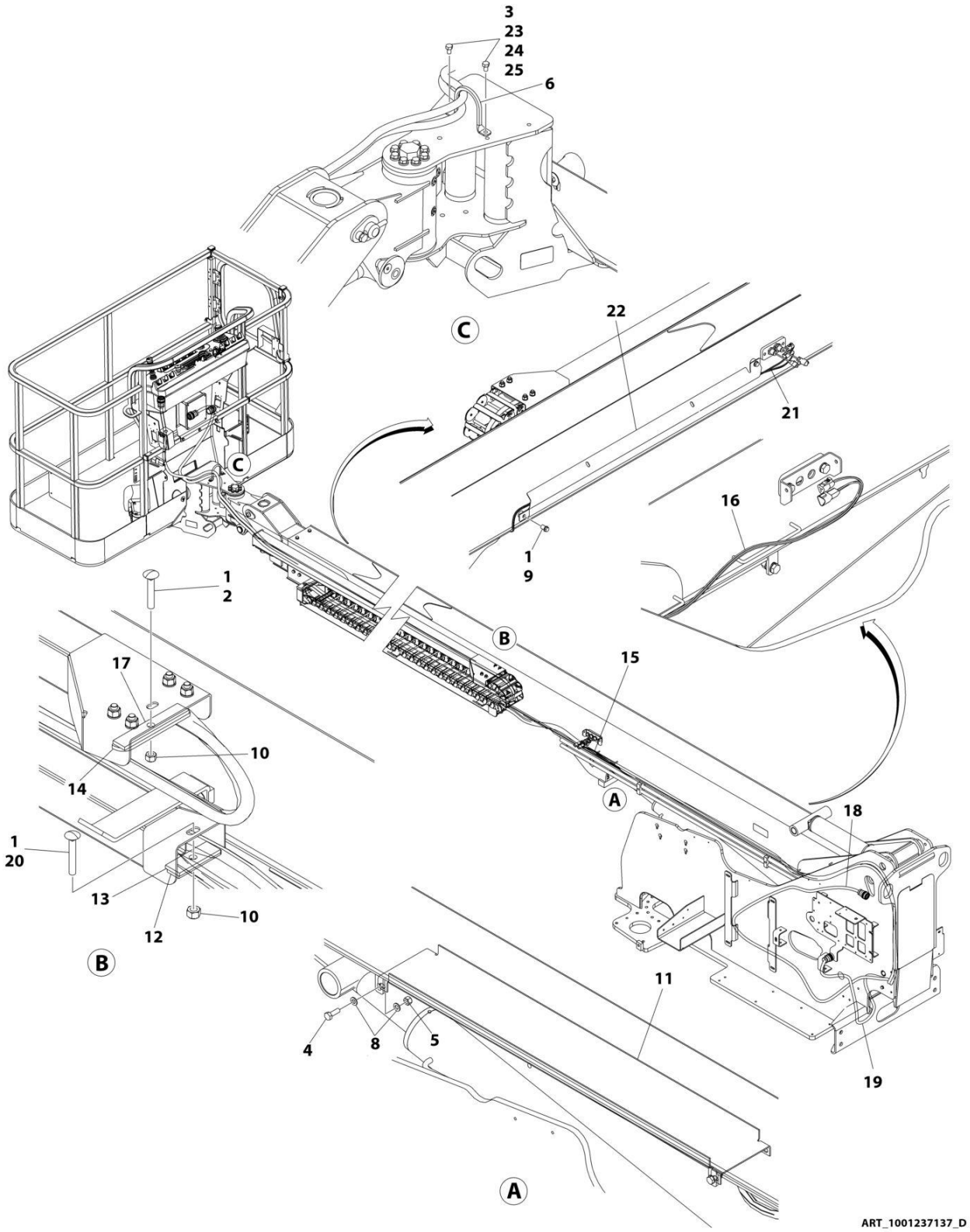


FIGURE 8-27. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 4000W/60HZ GENERATOR (SN 0300280117 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237137	Ref	CABLES AND CLAMPS INSTALLATION	D
1	0100081	AR	Adhesive	
2	0630563	1	Bolt M10 x 60	
3	0641605	2	Bolt 3/8 x 5/8	
4	0761014	4	Bolt M10 x 30	
5	3291005	4	Nut M10	
6	3841340	1	Hose Loop	
7	4240033	4	Tie - Strap (Not Shwon)	
8	4812000	8	Washer M10	
9	5261008	2	Nut M10 Class 10	
10	5261018	2	Nut M10 Class 10	
11	1001172128	1	Bracket, Hose Cover	
12	1001173456	1	Clamp	
13	1001173665	1	Clamp	
14	1001173761	1	Bracket	
15	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
16	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
17	1001173927	1	Clamp	
18	1001175170	1	Cable, Electrical 10/4	
19	1001176952	1	Harness, Boom (See Separate Breakdown in this Section)	
20	1001181329	1	Bolt M10x70	
21	1001248183	1	Telescope Out Proximity Sensor Harness (See Separate Breakdown in this Section)	
22	1001238138	1	Angle	
23	0760814	2	Bolt M8 x 30	
24	3290805	2	Nut, Lock M8	
25	4811900	4	Washter M8	

FIGURE 8-28. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 7500W GENERATOR (Prior to SN 0300280117)

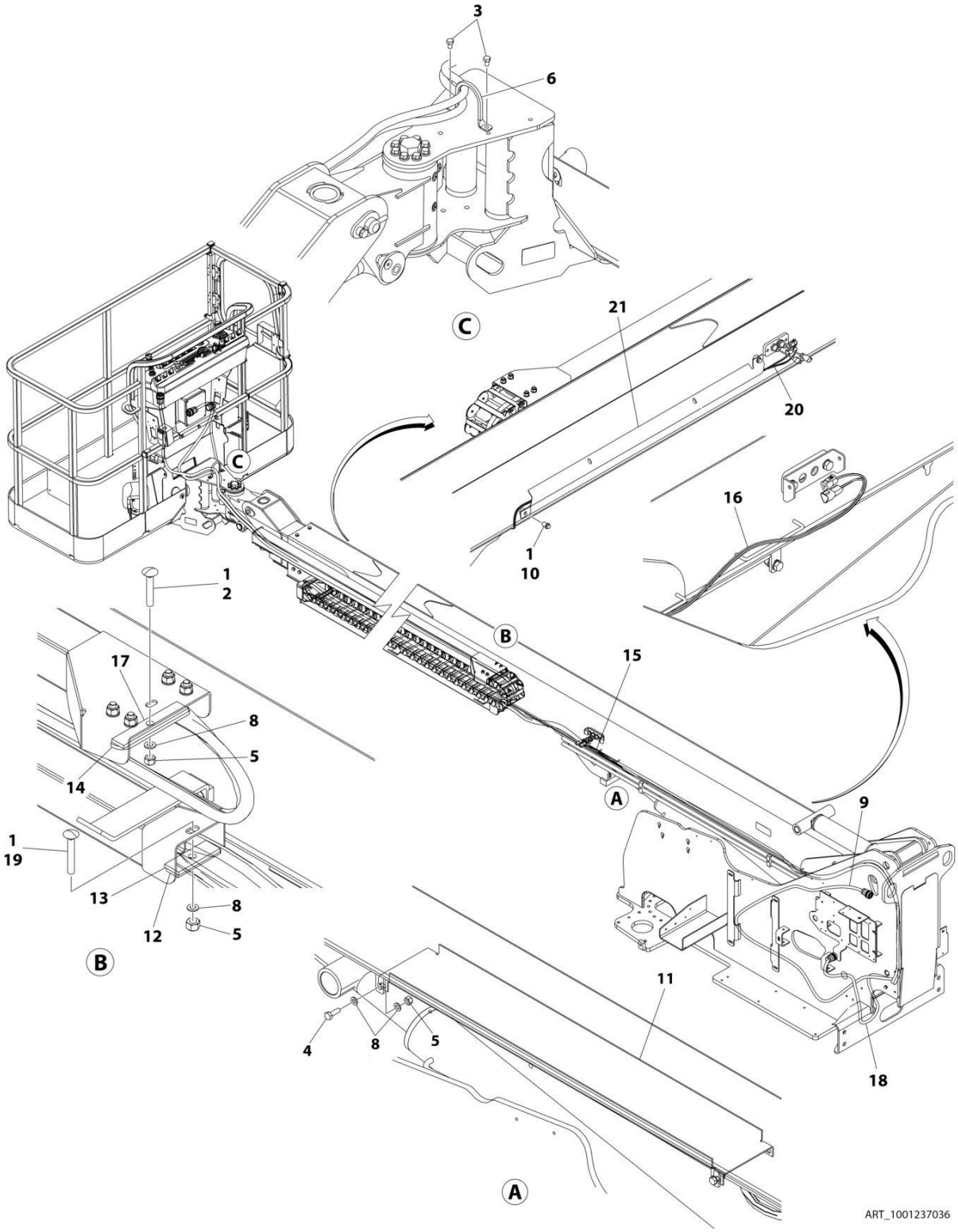


FIGURE 8-28. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 7500W GENERATOR (Prior to SN 0300280117)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237036	Ref	CABLES & CLAMPS INSTALLATION	B
1	0100081	AR	Adhesive	
2	0630563	1	Bolt M10 x 60	
3	0641504	2	Bolt 5/16 x 1/2	
4	0761014	4	Bolt M10 x 30	
5	3291005	6	Nut M10 x 1.5	
6	3841340	1	Loop, Hose	
7	4240033	4	Tie - Strap (Not Shown)	
8	4812000	10	Washer M10	
9	4922802	1	Cable, Electrical 8/5	
10	5251008	2	Bolt M10 x 16	
11	1001172128	1	Bracket	
12	1001173456	1	Clamp	
13	1001173665	1	Clamp, Rubber	
14	1001173761	1	Bracket	
15	1001173807	1	Capacity Switch Harness (See Separate Breakdown in this Section)	
16	1001173808	1	Telescope IN Proximity Sensors Harness (See Separate Breakdown in this Section)	
17	1001173927	1	Clamp	
18	1001176952	1	Boom Harness (See Separate Breakdown in this Section)	
19	1001181329	1	Bolt M10 x 70	
20	1001237284	1	Telescope OUT Proximity Sensors Harness (See Separate Breakdown in this Section)	
21	1001238138	1	Angle	

FIGURE 8-29. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 7500W GENERATOR (SN 0300280117 to Present)

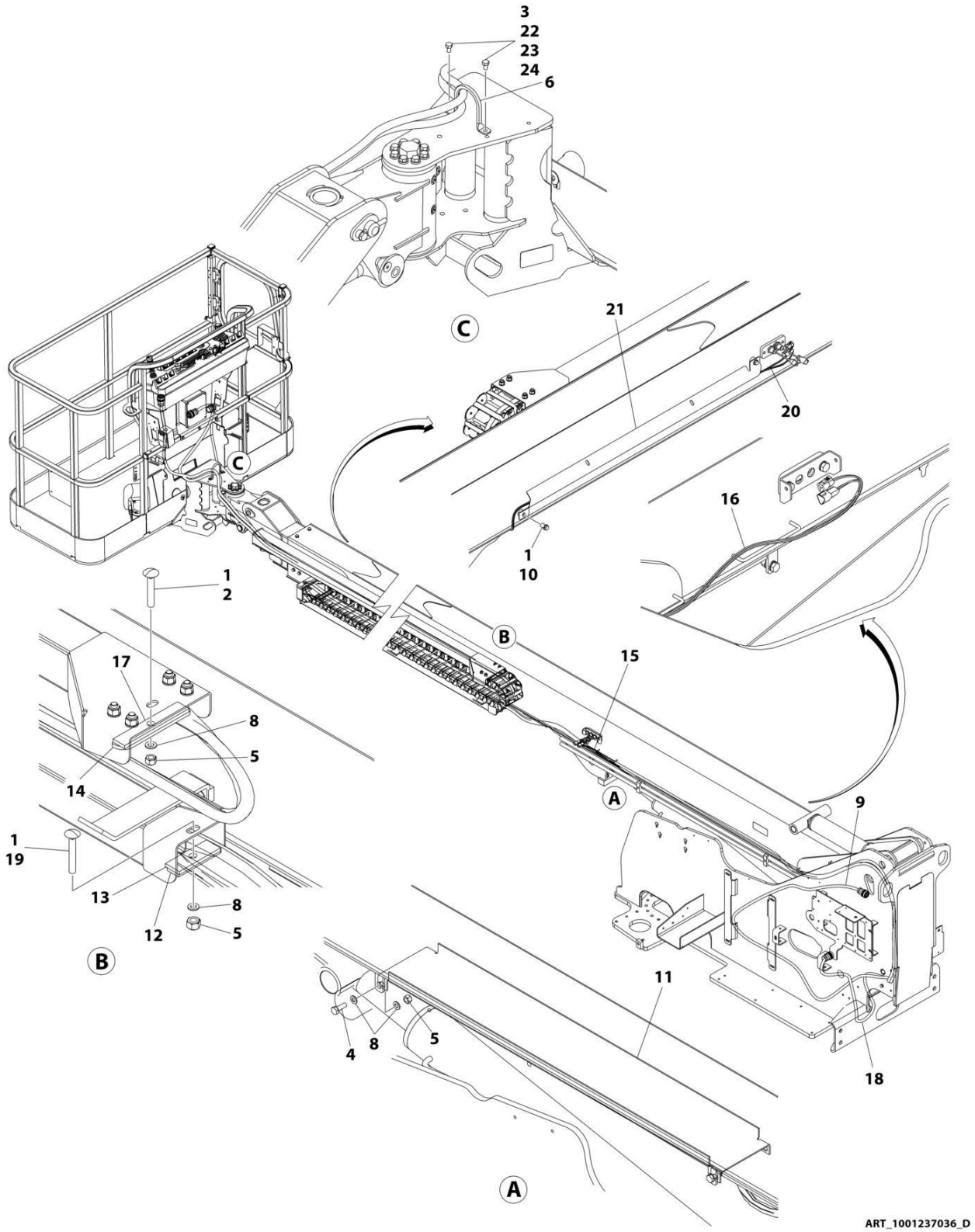


FIGURE 8-29. CABLES AND CLAMPS INSTALLATION - 400S HC3 WITH 7500W GENERATOR (SN 0300280117 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237036	Ref	CABLES & CLAMPS INSTALLATION	D
1	0100081	AR	Adhesive	
2	0630563	1	Bolt M10 x 60	
3	0641504	2	Bolt 5/16 x 1/2	
4	0761014	4	Bolt M10 x 30	
5	3291005	6	Nut, Lock M10	
6	3841340	1	Loop, Hose	
7	4240033	4	Tie - Strap (Not Shown)	
8	4812000	10	Washer M10	
9	4922802	1	Cable, Electrical 8/5	
10	5251008	2	Bolt M10 x 16 Class 10.9	
11	1001172128	1	Bracket	
12	1001173456	1	Clamp	
13	1001173665	1	Clamp, Rubber	
14	1001173761	1	Bracket	
15	1001173807	1	Capacity Switch Harness (See Separate Breakdown in this Section)	
16	1001173808	1	Telescope In Proximity Sensors Harness (See Separate Breakdown in this Section)	
17	1001173927	1	Clamp	
18	1001176952	1	Boom Harness (See Separate Breakdown in this Section)	
19	1001181329	1	Bolt M10 x 70	
20	1001248183	1	Telescope Out Proximity Sensors Harness (See Separate Breakdown in this Section)	
21	1001238138	1	Angle	
22	0760814	2	Bolt M8 x 30	
23	3290805	2	Nut, Lock M8	
24	4811900	4	Washter M8	

FIGURE 8-30. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 4000W/50HZ GENERATOR (Prior to SN 0300280117, Prior to SN E300008344)

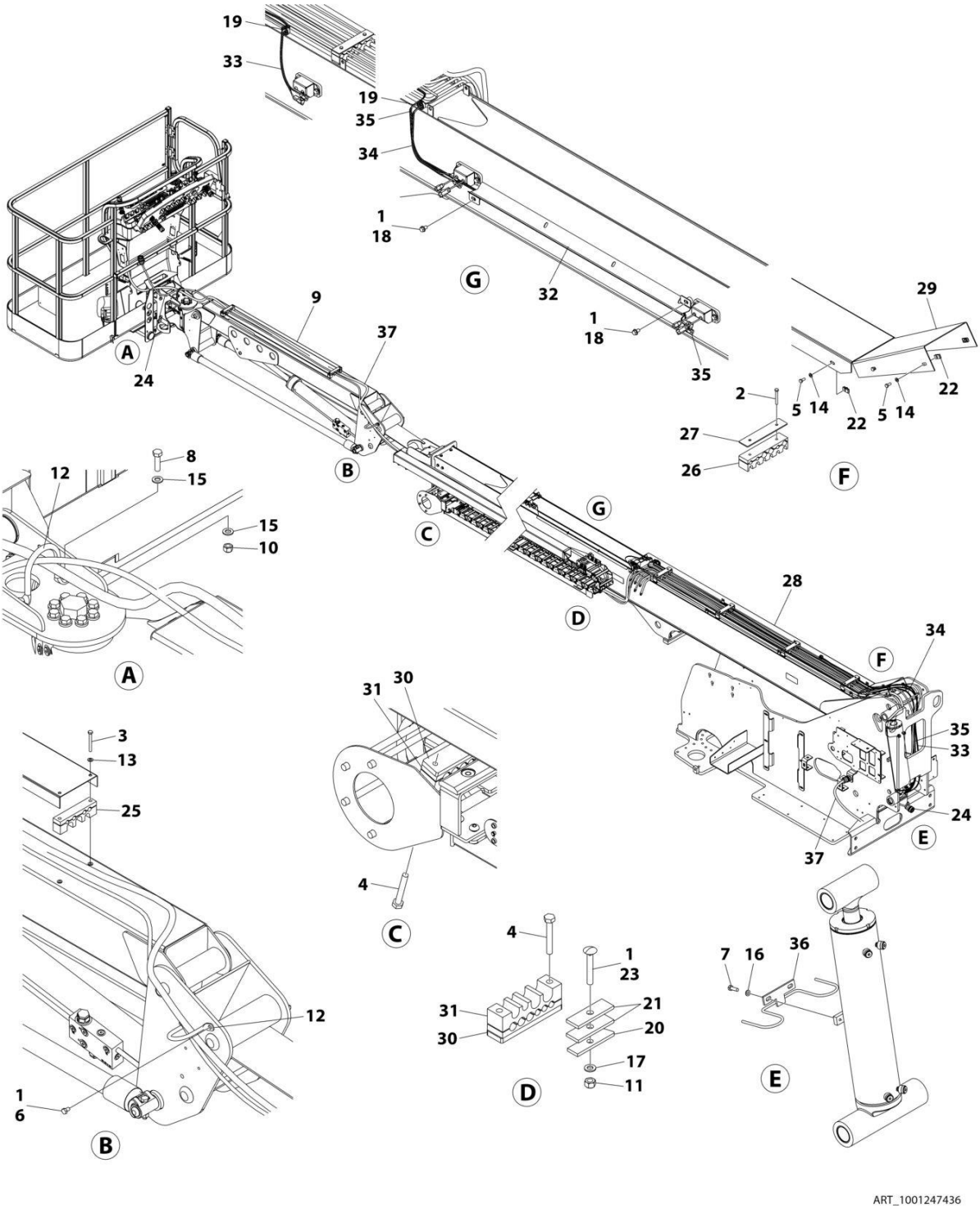


FIGURE 8-30. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 4000W/50HZ GENERATOR (Prior to SN 0300280117, Prior to SN E300008344)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247436	Ref	CABLES AND CLAMPS INSTALLATION	A
1	0100081	AR	Adhesive	
2	0700618	8	Bolt M6 x 50	
3	0700619	4	Bolt M6 x 55	
4	0701022	4	Bolt M10 x 70	
5	0760607	12	Bolt M6 x 14	
6	0760806	2	Bolt M8 x 12	
7	0760812	2	Bolt M8 x 25	
8	0760814	2	Bolt M8 x 30	
9	1670769	1	Cover	
10	3290805	2	Nut M8	
11	3291005	1	Nut M10	
12	3841340	2	Hoose Loop	
13	4811700	4	Washe M6	
14	4811702	12	Washer M6	
15	4811900	4	Washer M8	
16	4811902	2	Washer M8	
17	4812000	1	Washer M10	
18	5251008	2	Nut M10	
19	1001169085	2	Grommet	
20	1001173456	1	Clamp	
21	1001173665	2	Clamp	
22	1001176336	12	Fastener M6	
23	1001181329	1	Bolt M10 x 70	
24	1001203435	1	Cable, Electrical 12/3	
25	1001203459	2	Clamp, Block	
26	1001242139	4	Clamp	
27	1001242180	4	Plate	
28	1001242190	1	Shield	
29	1001242191	1	Shield	
30	1001244541	2	Plate	
31	1001244545	2	Block	
32	1001247453	1	Angle	
33	1001248181	1	Telescope IN Proximity Sensors Harness (See Separate Breakdown in this Section)	
34	1001248182	1	Capacity Switch Harness (See Separate Breakdown in this Section)	
35	1001248183	1	Hi Capacity Harness (See Separate Breakdown in this Section)	
36	1001250199	1	Guide, Hose	
37	1001248180	1	Harness, Boom (See Separate Breakdown in this Section)	

FIGURE 8-31. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 2500W GENERATOR OR NO GENERATOR (SN 0300280117 to Present, SN E300008344 to Present)

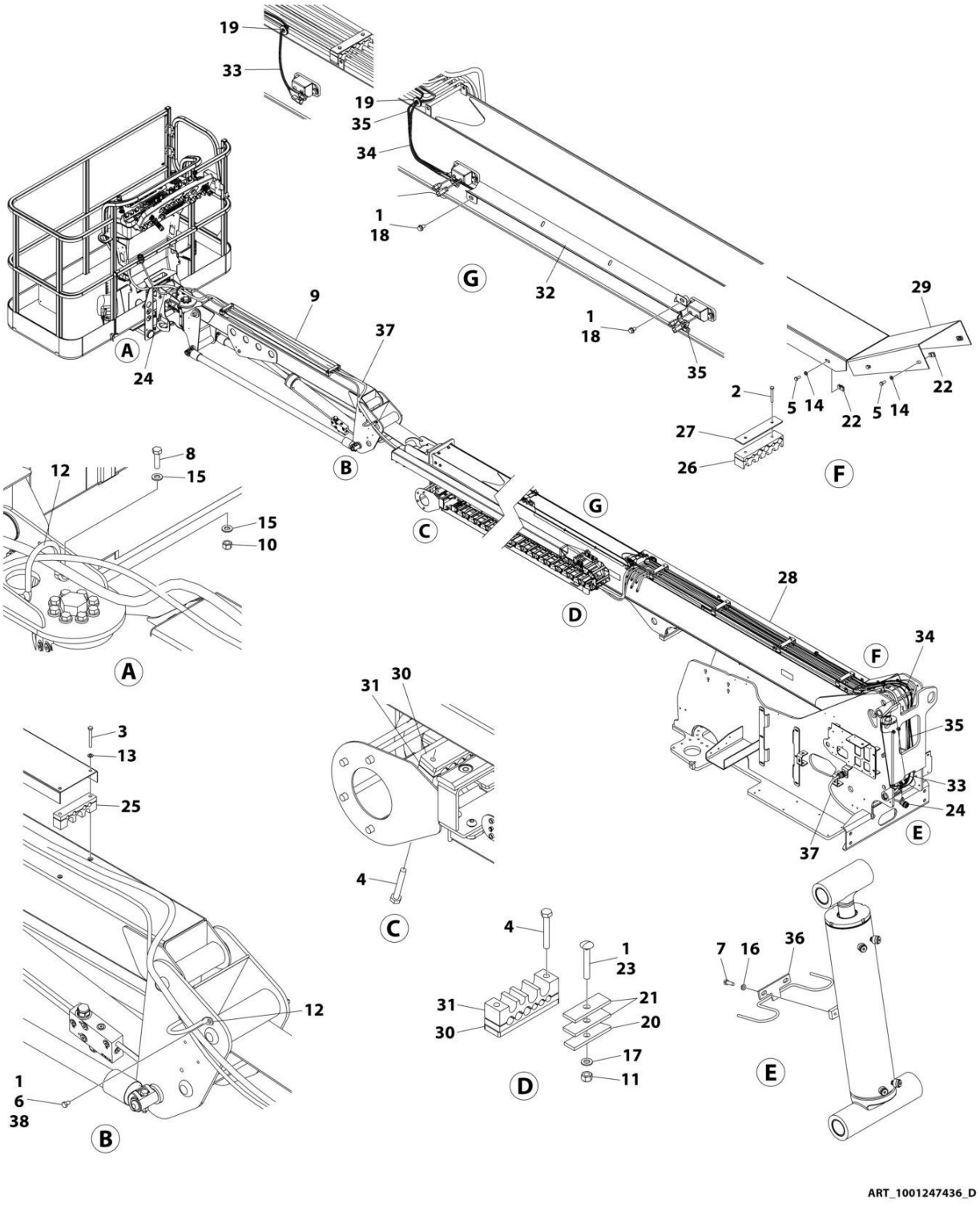


FIGURE 8-31. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 2500W GENERATOR OR NO GENERATOR (SN 0300280117 to Present, SN E300008344 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247436	Ref	CABLES AND CLAMPS INSTALLATION	D
1	0100081	AR	Adhesive	
2	0700618	8	Bolt M6 x 50	
3	0700619	4	Bolt M6 x 55	
4	0701022	4	Bolt M10 x 70	
5	0760608	12	Bolt M6 x 16	
6	0760806	2	Bolt M8 x 12	
7	0760812	2	Bolt M8 x 25	
8	0760814	2	Bolt M8 x 30	
9	1670769	1	Cover	
10	3290805	2	Nut, Lock M8	
11	3291005	1	Nut, Lock M10	
12	3841340	2	Hoose Loop	
13	4811700	4	Washe M6	
14	4811702	12	Washer M6	
15	4811900	4	Washer M8	
16	4811902	2	Washer M8	
17	4812000	1	Washer M10	
18	5251008	2	Bolt M10 x 16 Class 10.9	
19	2540049	2	Grommet	
20	1001173456	1	Clamp	
21	1001173665	2	Clamp	
22	1001176336	12	Fastener M6	
23	1001181329	1	Bolt M10 x 70	
24	1001203435	1	Cable, Electrical 12/3	
25	1001203459	2	Clamp, Block	
26	1001242139	4	Clamp	
27	1001242180	4	Plate	
28	1001242190	1	Shield	
29	1001242191	1	Shield	
30	1001244541	2	Plate	
31	1001244545	2	Block	
32	1001247453	1	Angle	
33	1001248181	1	Telescope IN Proximity Sensors Harness (See Separate Breakdown in this Section)	
34	1001248182	1	Capacity Switch Harness (See Separate Breakdown in this Section)	
35	1001248183	1	Hi Capacity Harness (See Separate Breakdown in this Section)	
36	1001250199	1	Guide, Hose	
37	1001248180	1	Harness, Boom (See Separate Breakdown in this Section)	
38	0761006	2	Bolt M10 x 12	

FIGURE 8-32. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 4000W/50HZ GENERATOR (Prior to SN 0300280117, Prior to SN E300008344)

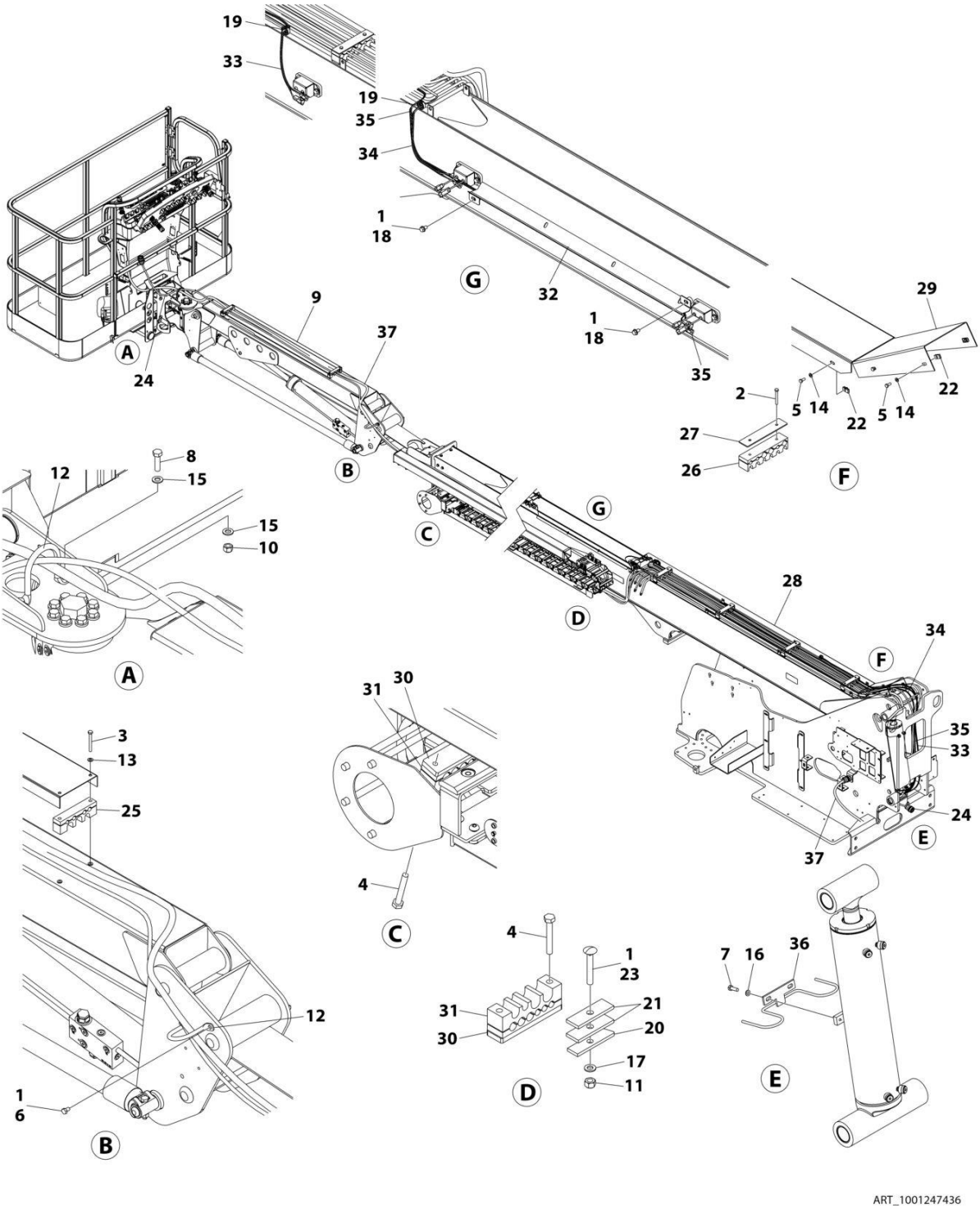


FIGURE 8-32. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 4000W/50HZ GENERATOR (Prior to SN 0300280117, Prior to SN E300008344)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247436	Ref	CABLES AND CLAMPS INSTALLATION	A
1	0100081	AR	Adhesive	
2	0700618	8	Bolt M6 x 50	
3	0700619	4	Bolt M6 x 55	
4	0701022	4	Bolt M10 x 70	
5	0760607	12	Bolt M6 x 14	
6	0760806	2	Bolt M8 x 12	
7	0760812	2	Bolt M8 x 25	
8	0760814	2	Bolt M8 x 30	
9	1670769	1	Cover	
10	3290805	2	Nut M8	
11	3291005	1	Nut M10	
12	3841340	2	Hoose Loop	
13	4811700	4	Washe M6	
14	4811702	12	Washer M6	
15	4811900	4	Washer M8	
16	4811902	2	Washer M8	
17	4812000	1	Washer M10	
18	5251008	2	Nut M10	
19	1001169085	2	Grommet	
20	1001173456	1	Clamp	
21	1001173665	2	Clamp	
22	1001176336	12	Fastener M6	
23	1001181329	1	Bolt M10 x 70	
24	1001203435	1	Cable, Electrical 12/3	
25	1001203459	2	Clamp, Block	
26	1001242139	4	Clamp	
27	1001242180	4	Plate	
28	1001242190	1	Shield	
29	1001242191	1	Shield	
30	1001244541	2	Plate	
31	1001244545	2	Block	
32	1001247453	1	Angle	
33	1001248181	1	Telescope IN Proximity Sensors Harness (See Separate Breakdown in this Section)	
34	1001248182	1	Capacity Switch Harness (See Separate Breakdown in this Section)	
35	1001248183	1	Hi Capacity Harness (See Separate Breakdown in this Section)	
36	1001250199	1	Guide, Hose	
37	1001248180	1	Harness, Boom (See Separate Breakdown in this Section)	

FIGURE 8-33. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 4000W/50HZ GENERATOR (SN 0300280117 to Present, SN E300008344 to Present)

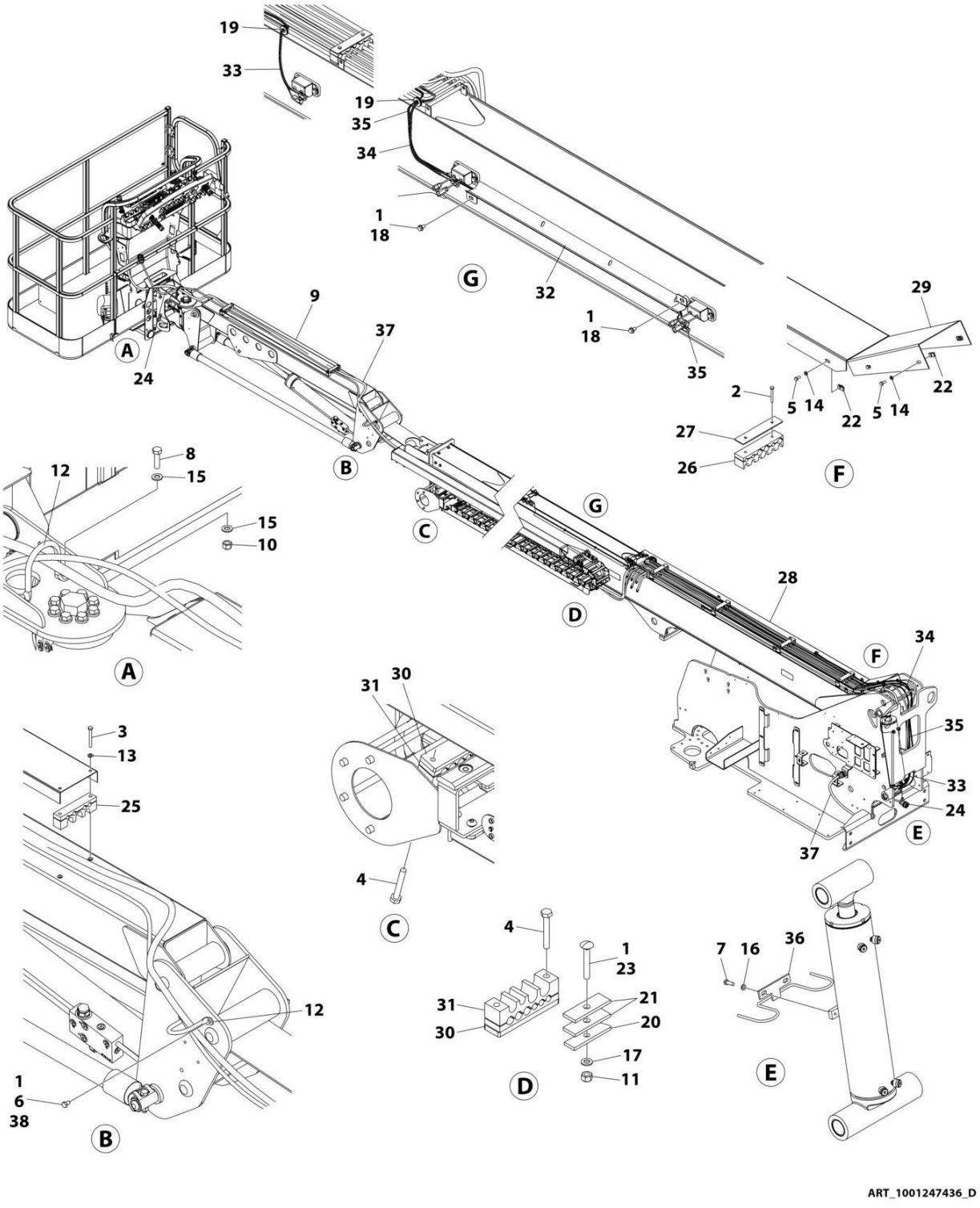


FIGURE 8-33. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 4000W/50HZ GENERATOR (SN 0300280117 to Present, SN E300008344 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247436	Ref	CABLES AND CLAMPS INSTALLATION	D
1	0100081	AR	Adhesive	
2	0700618	8	Bolt M6 x 50	
3	0700619	4	Bolt M6 x 55	
4	0701022	4	Bolt M10 x 70	
5	0760608	12	Bolt M6 x 16	
6	0760806	2	Bolt M8 x 12	
7	0760812	2	Bolt M8 x 25	
8	0760814	2	Bolt M8 x 30	
9	1670769	1	Cover	
10	3290805	2	Nut, Lock M8	
11	3291005	1	Nut, Lock M10	
12	3841340	2	Hoose Loop	
13	4811700	4	Washe M6	
14	4811702	12	Washer M6	
15	4811900	4	Washer M8	
16	4811902	2	Washer M8	
17	4812000	1	Washer M10	
18	5251008	2	Bolt M10 x 16 Class 10.9	
19	2540049	2	Grommet	
20	1001173456	1	Clamp	
21	1001173665	2	Clamp	
22	1001176336	12	Fastener M6	
23	1001181329	1	Bolt M10 x 70	
24	1001203435	1	Cable, Electrical 12/3	
25	1001203459	2	Clamp, Block	
26	1001242139	4	Clamp	
27	1001242180	4	Plate	
28	1001242190	1	Shield	
29	1001242191	1	Shield	
30	1001244541	2	Plate	
31	1001244545	2	Block	
32	1001247453	1	Angle	
33	1001248181	1	Telescope IN Proximity Sensors Harness (See Separate Breakdown in this Section)	
34	1001248182	1	Capacity Switch Harness (See Separate Breakdown in this Section)	
35	1001248183	1	Hi Capacity Harness (See Separate Breakdown in this Section)	
36	1001250199	1	Guide, Hose	
37	1001248180	1	Harness, Boom (See Separate Breakdown in this Section)	
38	0761006	2	Bolt M10 x 12	

SECTION 8 - ELECTRICAL

FIGURE 8-34. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 4000W/60HZ GENERATOR

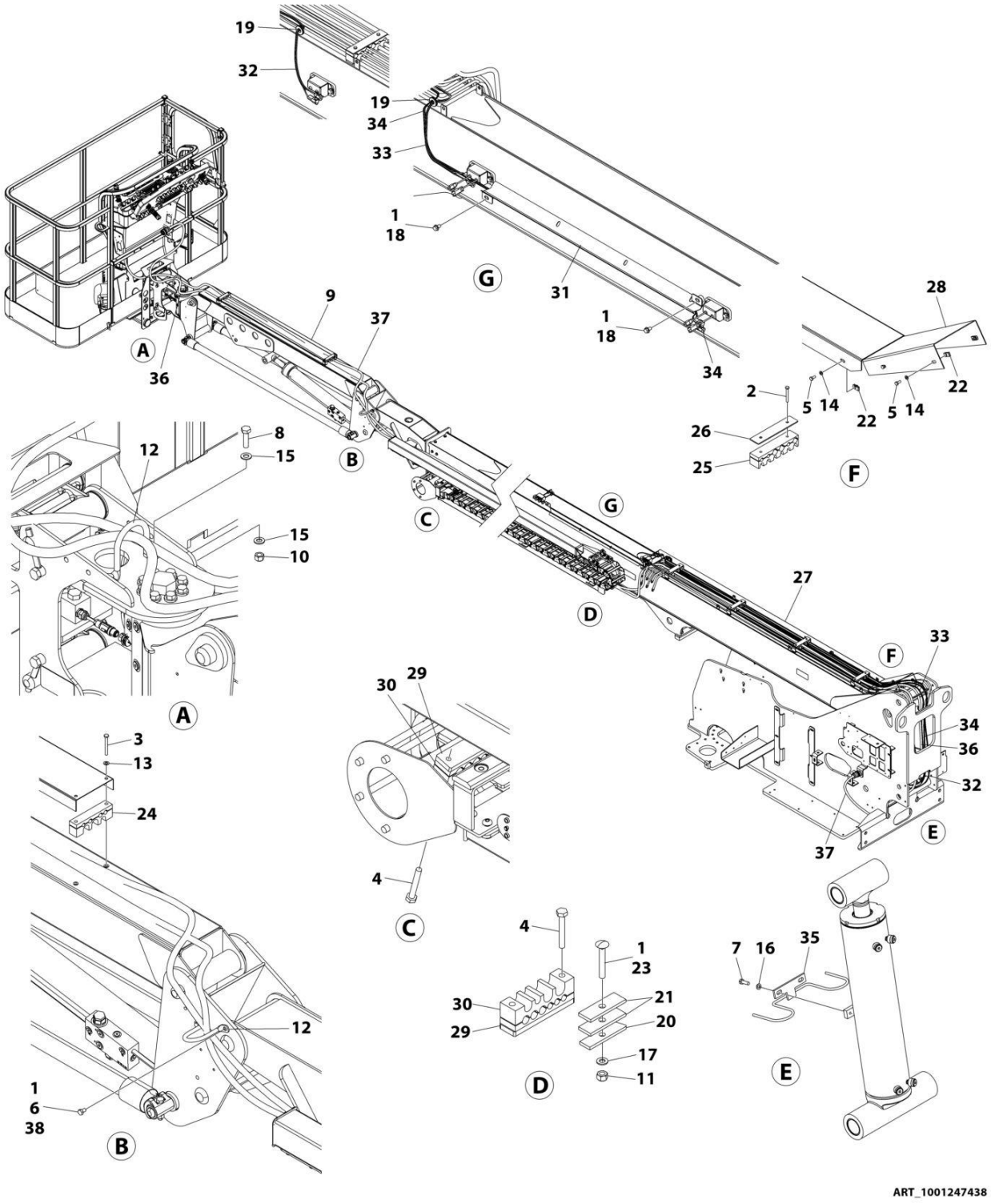


FIGURE 8-34. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 4000W/60HZ GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247438	Ref	Cables and Clamps Installation	D
1	0100081	AR	Adhesive	
2	0700618	8	Bolt M6 x 50	
3	0700619	4	Bolt M6 x 55	
4	0701022	4	Bolt M10 x 70	
5	0760608	12	Bolt M6 x 16	
6	0760806	2	Bolt M8 x 12	
7	0760812	2	Bolt M8 x 25	
8	0760814	2	Bolt M8 x 30	
9	1670769	1	Cover	
10	3290805	2	Nut, Lock M8	
11	3291005	1	Nut, Lock M10	
12	3841340	2	Loop, Hose	
13	4811700	4	Washer M6	
14	4811702	12	Washer M6	
15	4811900	4	Washer M8	
16	4811902	2	Washer M8	
17	4812000	1	Washer M10	
18	5251008	2	Bolt M10 x 16 Class 10.9	
19	2540049	2	Grommet	
20	1001173456	1	Clamp	
21	1001173665	2	Clamp, Rubber	
22	1001176336	12	Fastener, M6	
23	1001181329	1	Bolt M10 x 70	
24	1001203459	2	Clamp, Block	
25	1001242139	4	Clamp	
26	1001242180	4	Plate	
27	1001242190	1	Shield	
28	1001242191	1	Shield	
29	1001244541	2	Plate	
30	1001244545	2	Block	
31	1001247453	1	Angle	
32	1001248181	1	Telescope in Proximity Senors Harness (See Separate Breakdown in this Section)	
33	1001248182	1	Capacity Switch Harness (See Separate Breakdown in this Section)	
34	1001248183	1	High Capacity Harness (See Separate Breakdown in this Section)	
35	1001250199	1	Guide, Hose	
36	1001175171	1	4000W Gen CBL	
37	1001248180	1	Harness (See Separate Breakdown in this Section)	
38	0761006	2	Bolt M10 x 12	

FIGURE 8-35. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 7500W GENERATOR

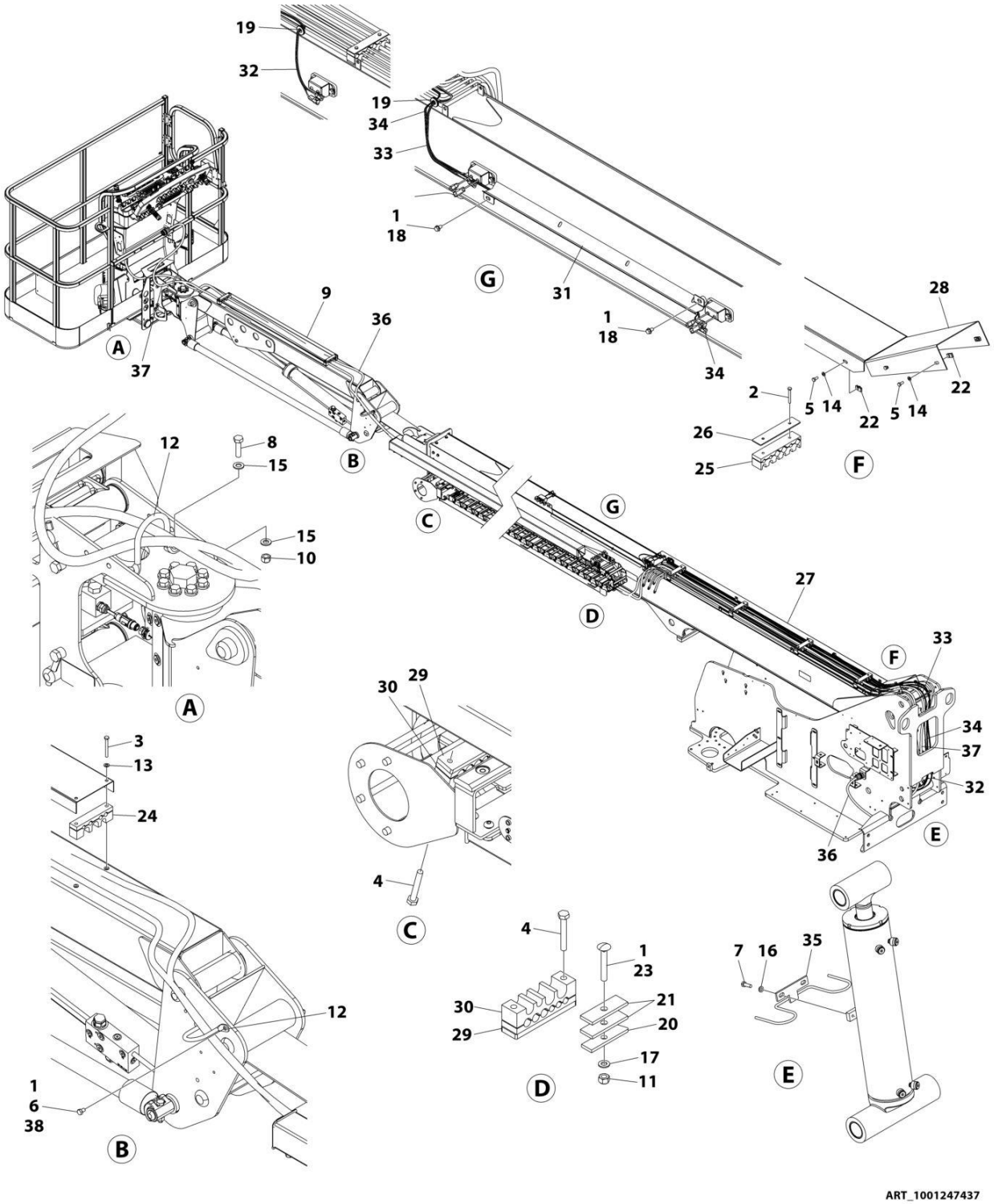


FIGURE 8-35. CABLES AND CLAMPS INSTALLATION - 460SJ HC3 WITH 7500W GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247437	Ref	CABLES AND CLAMPS INSTALLATION	D
1	0100081	AR	Adhesive	
2	0700618	8	Bolt M6 x 50	
3	0700619	4	Bolt M6 x 55	
4	0701022	4	Bolt M10 x 70	
5	0760608	12	Bolt M6 x 16	
6	0760806	2	Bolt M8 x 12	
7	0760812	2	Bolt M8 x 25	
8	0760814	2	Bolt M8 x 30	
9	1670769	1	Cover	
10	3290805	2	Nut, Lock M8	
11	3291005	1	Nut, Lock M10	
12	3841340	2	Loop, Hose	
13	4811700	4	Washer M6	
14	4811702	12	Washer M6	
15	4811900	4	Washer M8	
16	4811902	2	Washer M8	
17	4812000	1	Washer M10	
18	5251008	2	Bolt M10 x 16	
19	2540049	2	Grommet	
20	1001173456	1	Clamp	
21	1001173665	2	Clamp, Rubber	
22	1001176336	12	Fastener, M6	
23	1001181329	1	Bolt M10 x 70	
24	1001203459	2	Clamp, Block	
25	1001242139	4	Clamp	
26	1001242180	4	Plate	
27	1001242190	1	Shield	
28	1001242191	1	Shield	
29	1001244541	2	Plate	
30	1001244545	2	Block	
31	1001247453	1	Angle	
32	1001248181	1	Telescope in Proximity Senors Harness (See Separate Breakdown in this Section)	
33	1001248182	1	Capacity Switch Harness (See Separate Breakdown in this Section)	
34	1001248183	1	High Capacity Harness (See Separate Breakdown in this Section)	
35	1001250199	1	Guide, Hose	
36	1001248180	1	Harness (See Separate Breakdown in this Section)	
37	4922803	1	Cable, Electrical - 8/5	
38	0761006	2	Bolt M10 x 12	

FIGURE 8-36. CAPACITY SWITCH HARNESS (400S HC3)

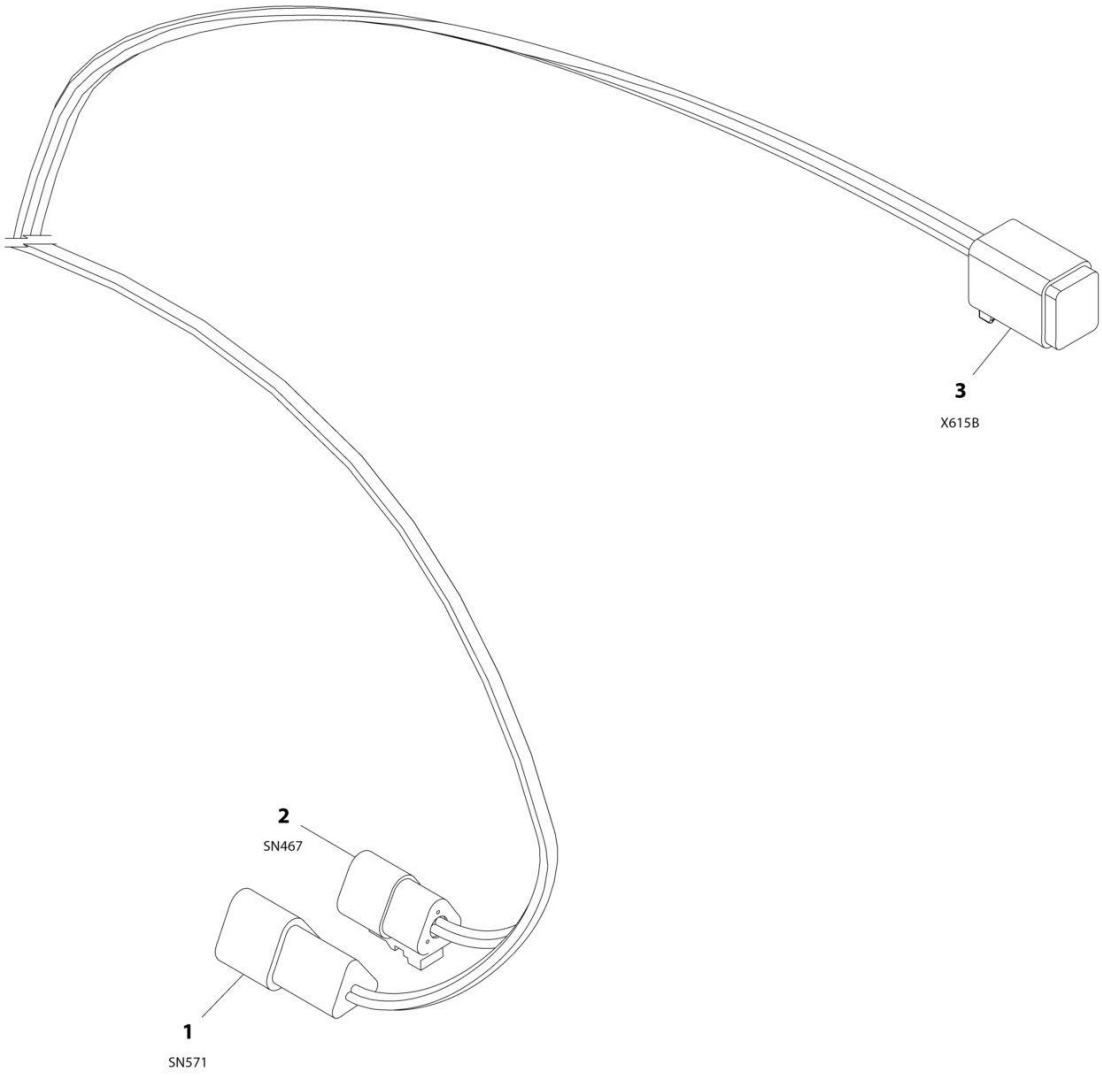


FIGURE 8-36. CAPACITY SWITCH HARNESS (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173807	Ref	BOOM CAPACITY PROXIMITY SWITCH HARNESS	C
1	4460536	1	Receptacle, Female - 3 Position	
1	4460464	3	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	1	Socket, Female	
3	4460930	1	Plug, Male - 8 Position	
3	4460465	6	Socket, Female	
3	4460466	2	Plug, Terminal	

FIGURE 8-37. CAPACITY SWITCH HARNESS (460SJ HC3)

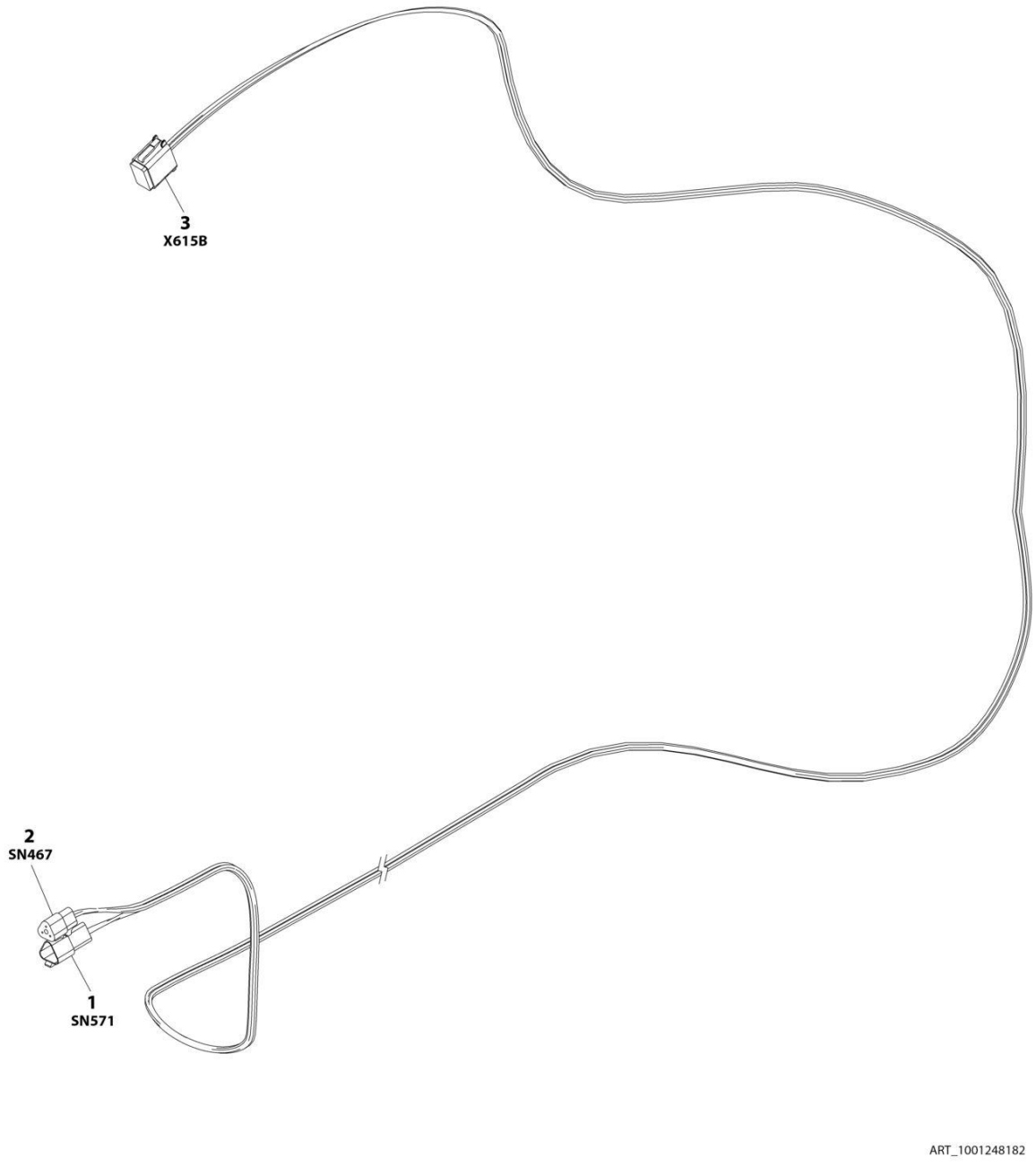


FIGURE 8-37. CAPACITY SWITCH HARNESS (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248182	Ref	BOOM CAPACITY PROXIMITY SWITCH HARNESS	A
1	4460536	1	Receptacle, Female - 3 Position	
1	4460464	3	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	
3	4460930	1	Plug, Male - 8 Position	
3	4460465	6	Socket, Female	
3	4460466	2	Plug, Terminal	

FIGURE 8-38. ENGINE HARNESS ASSEMBLY (DEUTZ D2011)

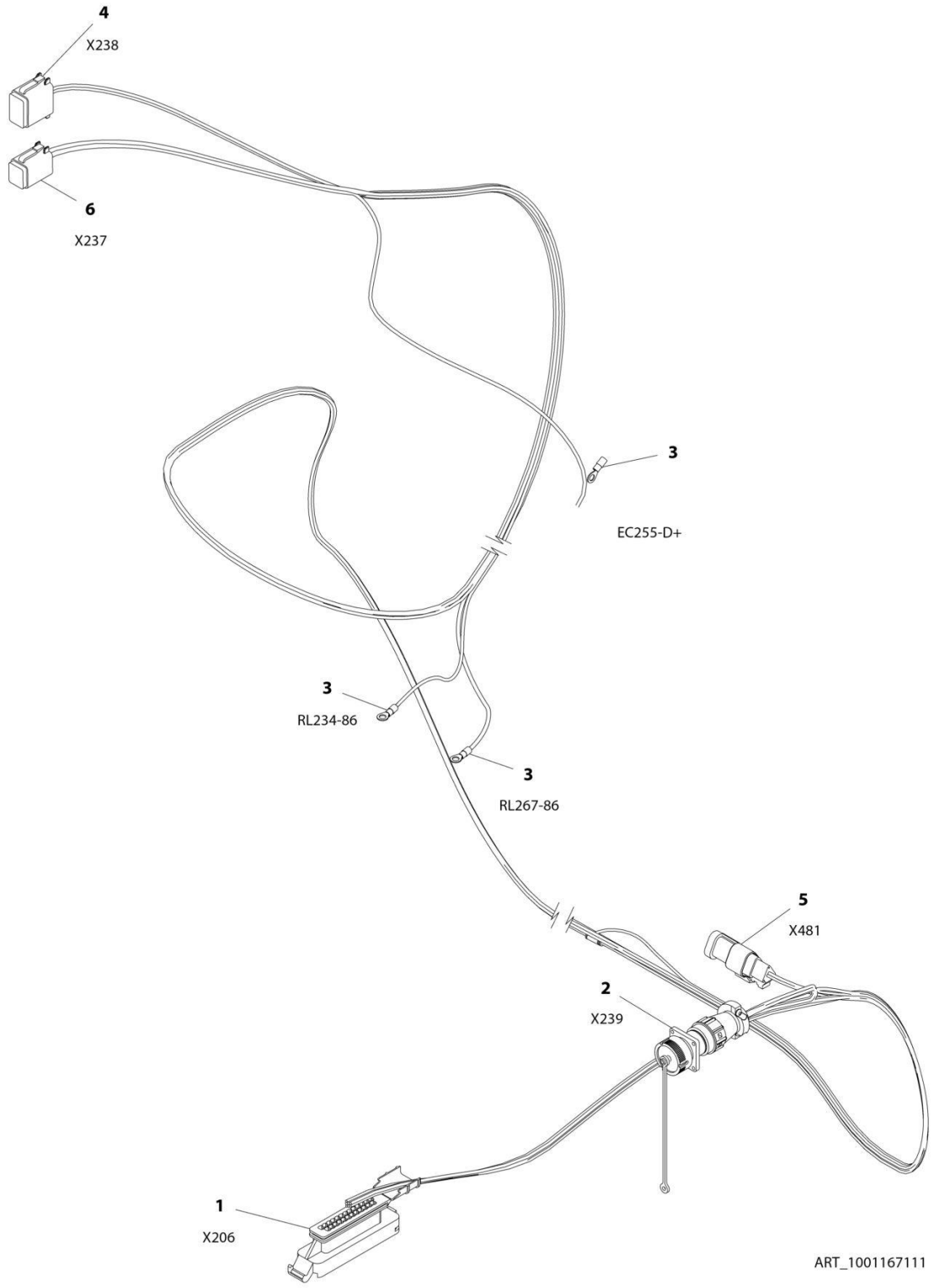


FIGURE 8-38. ENGINE HARNESS ASSEMBLY (DEUTZ D2011)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167111	Ref	ENGINE HARNESS - DEUTZ D2011	B
1	4461052	1	Connector - 25 Position	
1	4461005	7	Terminal	
1	4461008	18	Plug, Terminal	
2	2902443	1	Receptacle Kit	
2	4461071	8	Socket, Female	
2	4461072	1	Receptacle with Flange - 8 Position	
2	4461073	1	Cap, Dust	
2	4461074	1	Shell, Black	
3	4460313	3	Terminal, Ring	
4	4460930	1	Plug, Male - 8 Position	
4	4460465	2	Socket, Female	
4	4460466	6	Seal, Terminal	
5	4461095	1	Plug, Male - 3 Position	
5	4460465	3	Socket, Female	
6	4460894	1	Plug, Mal e - 6 Position	
6	4460465	6	Socket, Female	

FIGURE 8-39. ENGINE HARNESS ASSEMBLY (DEUTZ D2.9L4)

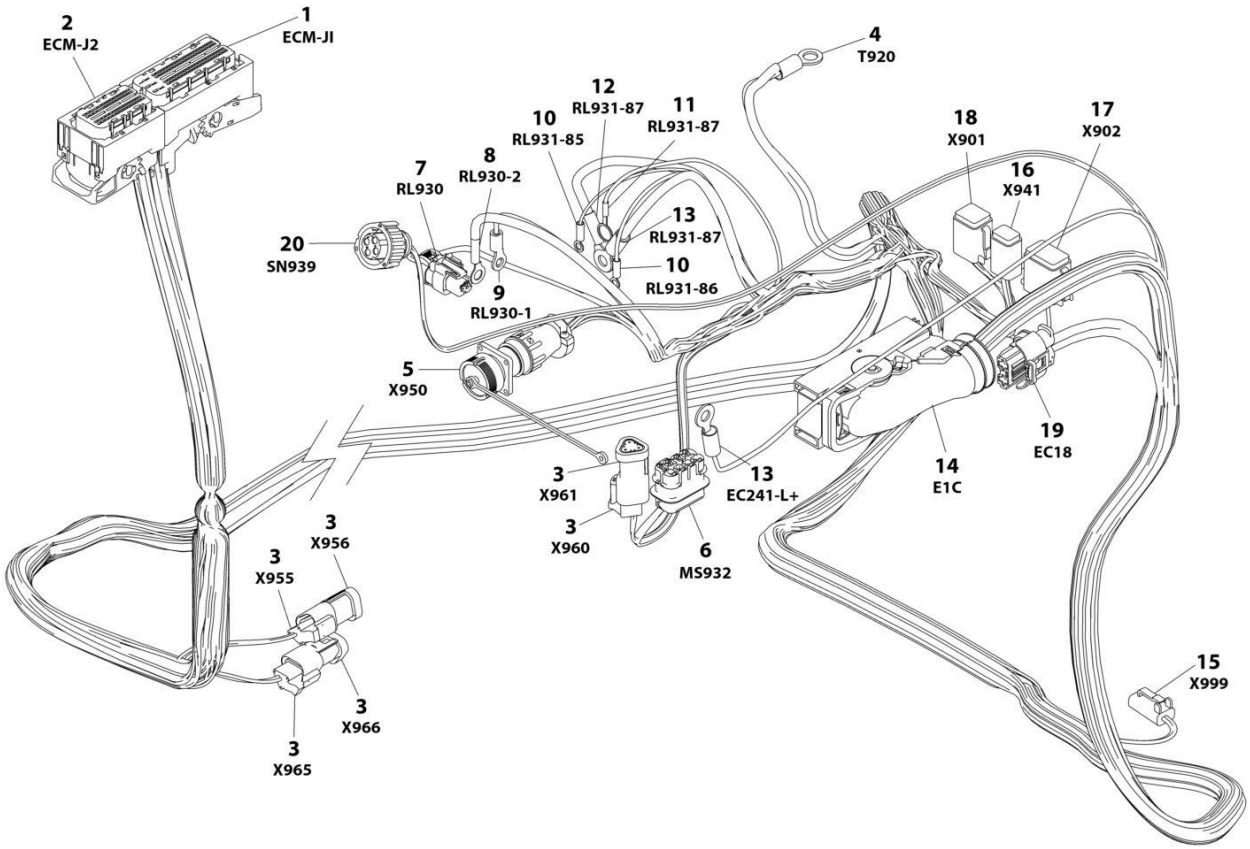


FIGURE 8-39. ENGINE HARNESS ASSEMBLY (DEUTZ D2.9L4)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167108	Ref	ENGINE HARNESS - DEUTZ D2.9L4	I
1	1001133956	1	Connector, 94 Position	
1	1001126352	6	Terminal	
1	1001126357	2	Seal, Terminal	
1	1001126356	63	Seal, Terminal	
1	1001126384	21	Terminal	
1	1001126351	2	Terminal	
2	1001133957	1	Connector - 60 Position	
2	1001126357	11	Seal, Terminal	
2	1001126351	13	Terminal	
2	1001126356	19	Seal, Terminal	
2	1001126384	17	Terminal	
3	4461095	3	Plug, Male - 3 Position	
3	4460944	6	Socket, Female	
3	4460466	3	Plug, Terminal	
3	4461070	3	Connector, Female with Resistor 3 Position	
4	8220115	1	Terminal, Ring	
5	2902443	1	Receptacle Kit	
5	4461071	8	Socket, Female	
5	4461072	1	Receptacle with Flange - 8 Position	
5	4461073	1	Cap, Dust	
5	4461074	1	Shell, Black	
6	80484084	1	Connector - 8 Position	
6	1001116727	4	Plug, Terminal	
6	1001116728	4	Terminal	
6	8229242	1	Fuse - 5Amp	
6	80983191	1	Fuse - 10Amp	
6	1001147264	1	Cap	
7	1001116952	1	Plug, Male - 2 Position	
7	4460465	2	Socket, Female	
8	1001117106	1	Terminal, Ring	
9	4460043	1	Terminal, Ring	
10	4460247	2	Terminal, Ring	
11	4460703	1	Terminal, Ring	
12	8220164	1	Terminal, Ring	
13	1001117107	2	Terminal, Ring	
14	1001126362	1	Connector - 62 Position	
14	1001126363	33	Terminal	
14	1001126391	23	Seal, Terminal	
14	4461008	4	Seal, Terminal	
14	1001126365	2	Terminal	
15	4460891	1	Plug, Male - 2 Position	
15	4460465	2	Socket, Female	
16	4460884	1	Plug, Male - 4 Position	
16	4460465	4	Socket, Female	
17	4460930	1	Plug, Male - 8 Position	
17	4460465	1	Socket, Female	
17	4460466	7	Seal, Terminal	
18	4460894	1	Plug, Male - 6 Position	
18	4460465	6	Socket, Female	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	1001142938	1	Connector - 2 Position	
19	1001142940	2	Terminal	
20	1001133714	1	Plug, Male - 4 Position	
20	1001133715	3	Terminal	
20	1001135651	1	Plug, Terminal	

FIGURE 8-40. ENGINE HARNESS – DEUTZ D2.9L4 (STAGE V) ENGINES

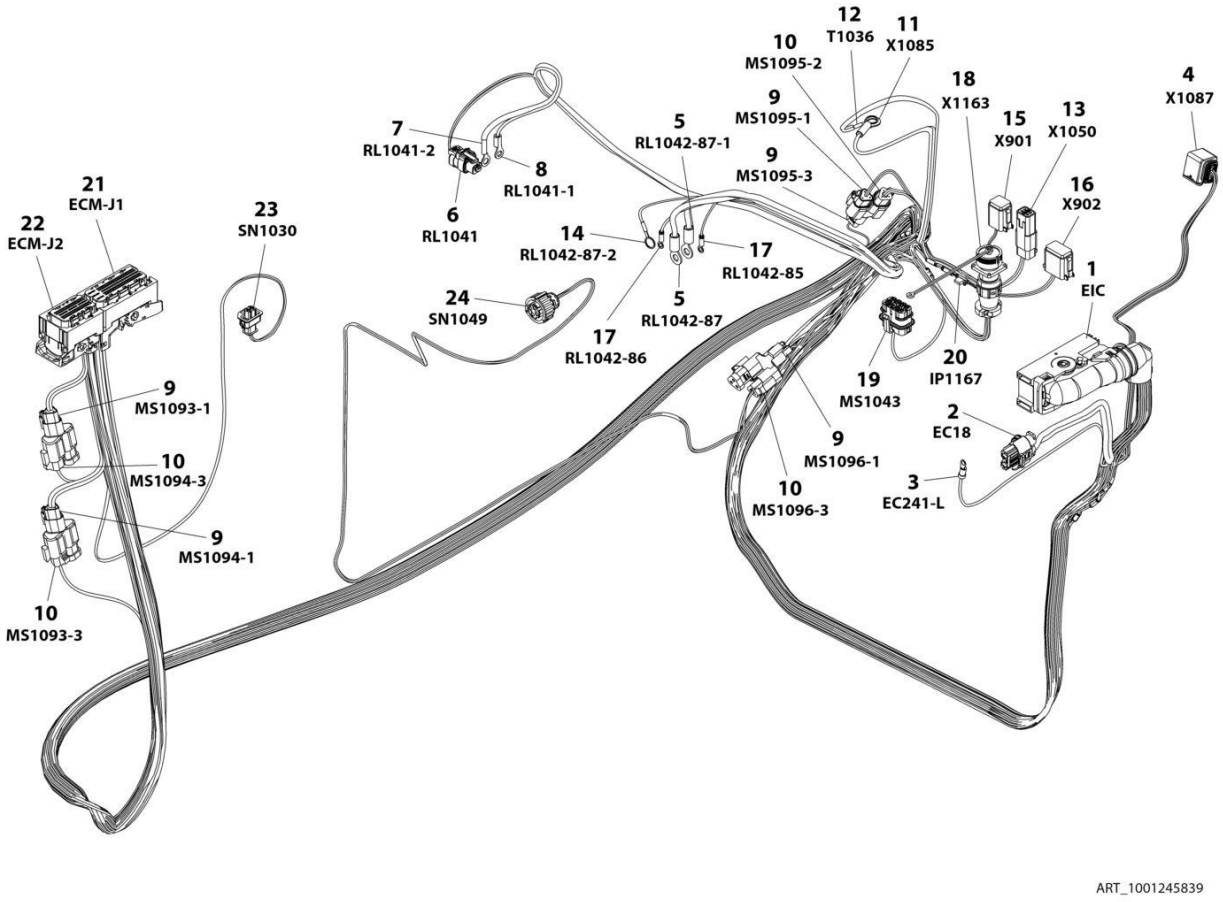


FIGURE 8-40. ENGINE HARNESS – DEUTZ D2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245839	Ref	ENGINE HARNESS - DEUTZ (STAGE V)	F
1	1001126362	1	Connector - 62 Position	
1	1001126363	37	Terminal	
1	1001126391	7	Seal, Terminal	
1	1001126392	12	Terminal	
1	4461008	4	Seal, Terminal	
1	1001167632	2	Terminal	
1	1001126364	36	Seal, Terminal	
1	1001223459	12	Seal, Terminal	
1	4461054	2	Seal, Terminal	
2	1001142938	1	Connector - 2 Position	
2	1001142940	2	Terminal	
2	1001142941	2	Seal, Terminal	
3	4460042	1	Terminal, Ring	
4	1001239202	1	Connector - 8 Position	
4	1001126363	7	Terminal	
4	1001126391	1	Seal, Terminal	
4	1001126364	7	Seal, Terminal	
5	1001117107	2	Terminal, Ring	
6	1001116952	1	Plug, Male - 2 Position	
6	4460465	2	Socket, Female	
7	1001117106	1	Terminal, Ring	
8	4460043	1	Terminal, Ring	
9	1001116812	5	Connector, 3 Position	
9	4460944	10	Socket, Female	
9	4460466	5	Plug, Terminal	
10	4460539	4	Plug, Male - 3 Position	
10	4460944	8	Socket, Female	
10	4460466	4	Plug, Terminal	
11	8220164	1	Terminal, Ring	
12	4460019	1	Terminal, Ring	
13	4460884	1	Plug, Male - 4 Position	
13	4460465	2	Socket, Female	
13	4460942	2	Socket, Female	
14	4460703	1	Terminal, Ring	
15	4460894	1	Plug, Male - 6 Position	
15	4460465	2	Socket, Female	
15	4460944	2	Socket, Female	
15	4460465	2	Socket, Female	
16	4460930	1	Plug, Male - 8 Position	
16	4460465	1	Socket, Female	
16	4460466	7	Plug, Terminal	
17	4460247	2	Terminal, Ring	
18	2902443	1	Receptacle Kit	
18	4461071	8	Socket, Female	
18	4461072	1	Receptacle with Flange - 8 Position	
18	4461073	1	Cap, Dust	
18	4461074	1	Shell, Black	
19	80484084	1	Connector - 8 Position	
19	4460746	3	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	1001234800	1	Terminal	
19	4460748	4	Plug, Terminal	
19	4460458	4	Seal	
20	1001170764	1	Holder, Fuse	
20	1001197719	1	Fuse 0.5 Watt	
21	1001133956	1	Connector, 94 Position	
21	1001182361	8	Terminal	
21	1001126351	3	Terminal	
21	1001230934	25	Terminal	
21	1001230935	55	Plug, Terminal	
21	1001252527	4	Terminal	
21	1001230936	1	Plug, Terminal	
21	1001182365	8	Seal	
22	1001133957	1	Connector - 60 Position	
22	1001230936	11	Plug, Terminal	
22	1001126351	13	Terminal	
22	1001230935	10	Plug, Terminal	
22	1001230934	26	Terminal	
23	1001126487	1	Connector - 2 Position	
23	1001167635	2	Terminal	
23	1001126485	2	Seal	
24	1001133714	1	Plug, Male - 4 Position	
24	1001133715	3	Terminal	
24	1001135651	1	Plug, Terminal	
24	1001135650	2	Seal	

FIGURE 8-41. ENGINE HARNESS ASSEMBLY (KUBOTA)

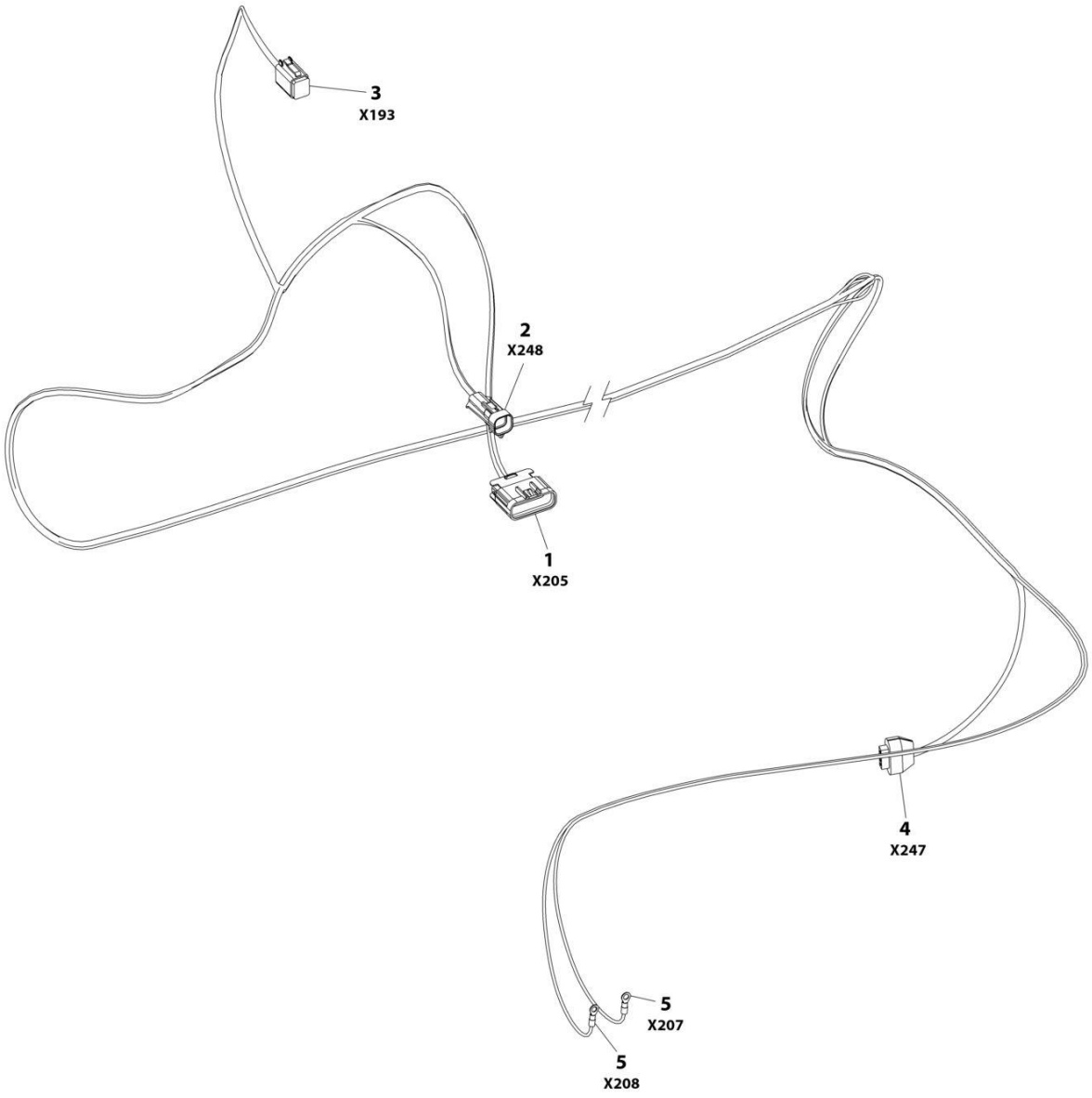


FIGURE 8-41. ENGINE HARNESS ASSEMBLY (KUBOTA)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213599	Ref	ENGINE HARNESS - KUBOTA	C
1	4461109	1	Plug, Male - 16 Position	
1	4461111	7	Terminal	
1	4461113	9	Plug	
2	4461124	1	Connector - 4 Position	
2	4460693	4	Terminal	
3	4460894	1	Plug, Male - 6 Position	
3	4460465	5	Socket, Female	
3	4460466	1	Plug, Terminal	
4	4461121	1	Plug, Male - 4 Position	
4	4461122	4	Terminal	
4	4461123	4	Seal	
5	4460042	2	Terminal, Ring	

FIGURE 8-42. FUEL HARNESS (DEUTZ D2.9L4 ENGINES)

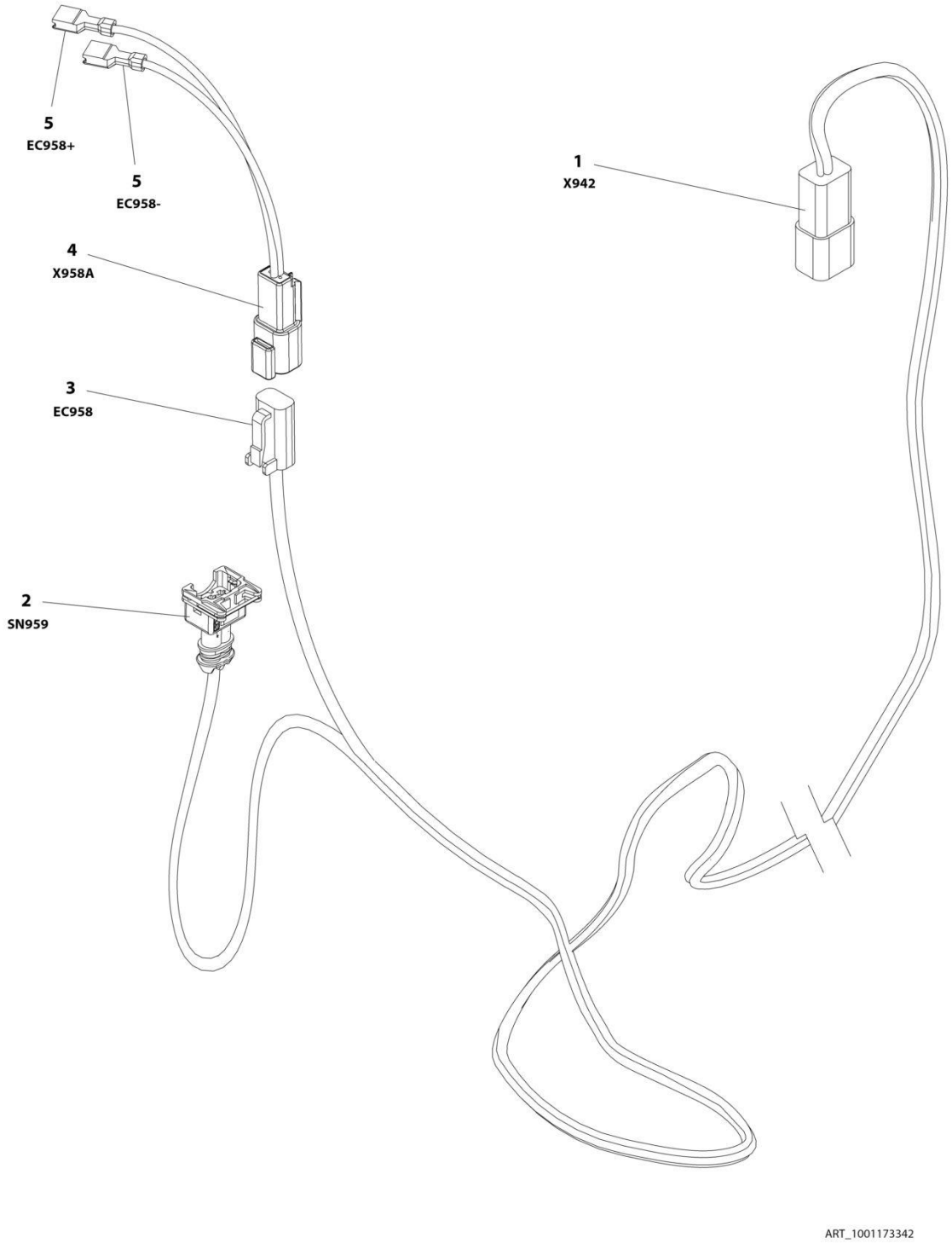


FIGURE 8-42. FUEL HARNESS (DEUTZ D2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173342	Ref	FUEL HARNESS - DEUTZ D2.9L4 ENGINE	C
1	4460932	1	Receptacle, Female - 4 Position	
1	4460464	2	Pin, Male	
1	4460941	2	Pin, Male	
2	1001116983	1	Plug, Male - 2 Position	
2	1001116710	2	Socket, Female	
3	4460891	1	Plug, Male - 2 Position	
3	4460942	2	Socket, Female	
4	4460897	1	Receptacle, Female - 2 Position	
4	4460941	2	Pin, Male	
5	8220051	2	Coupler, Female	

FIGURE 8-43. FUEL HARNESS - DEUTZ D2.9L4 (STAGE V) ENGINE

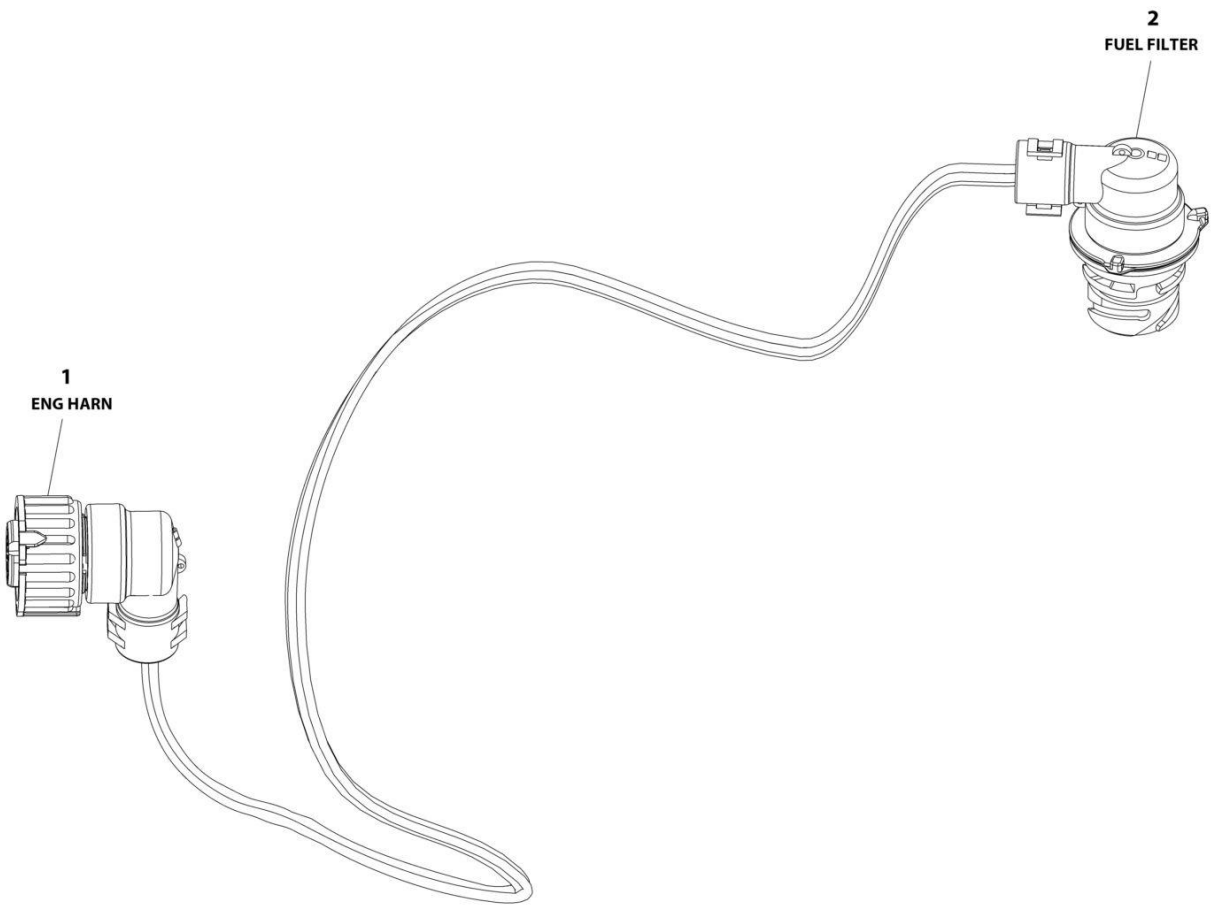


FIGURE 8-43. FUEL HARNESS - DEUTZ D2.9L4 (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245913	Ref	FUEL HARNESS - DEUTZ (STAGE V) ENGINE	D
1	1001148842	1	Connector - 4 Position	
1	1001148841	4	Pin, Male	
1	1001135650	4	Seal	
2	1001133714	1	Plug, Male - 4 Position	
2	1001133715	4	Socket, Female	
2	1001135650	4	Seal	

FIGURE 8-44. FUEL HARNESS (KUBOTA ENGINES)

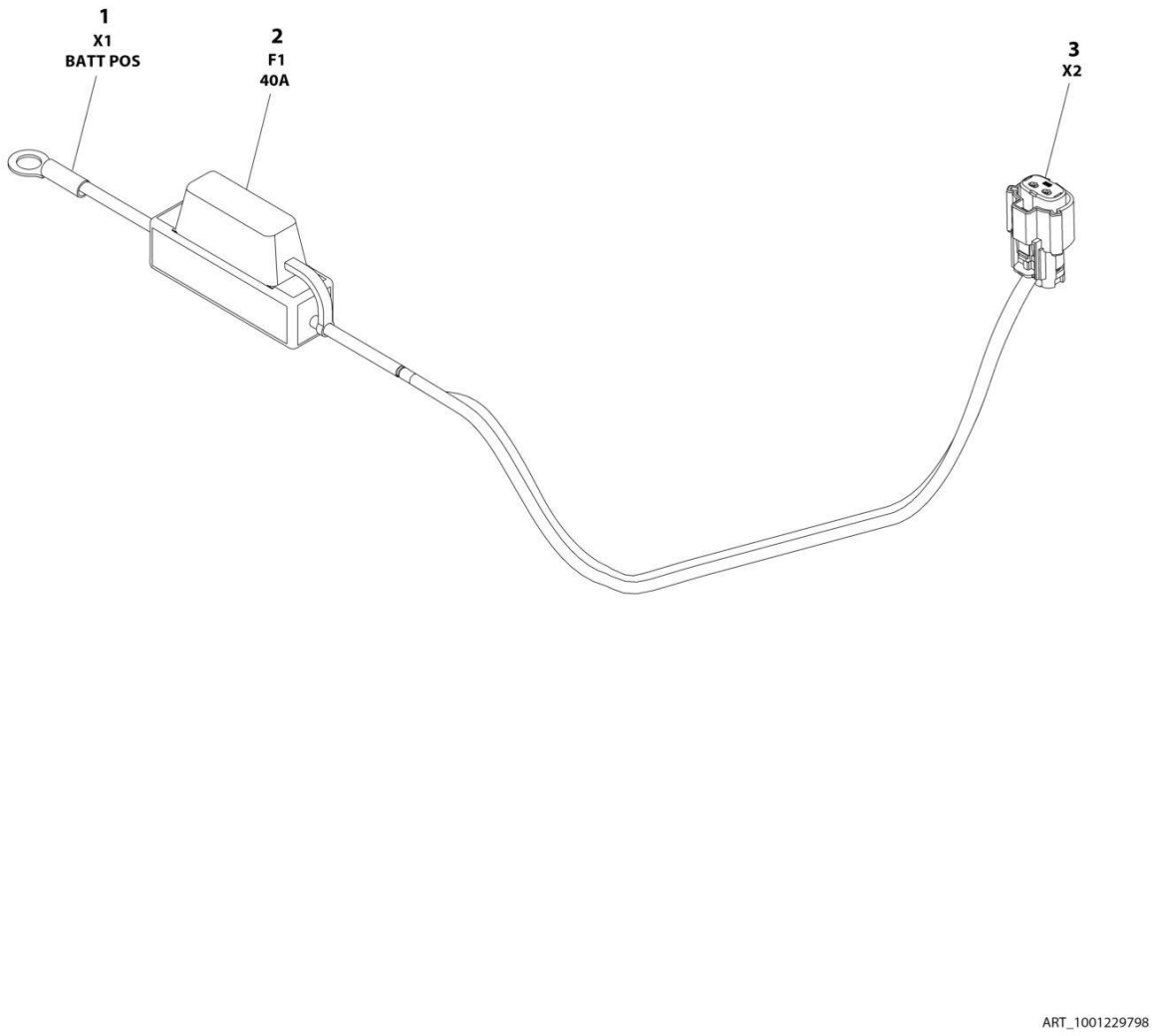


FIGURE 8-44. FUEL HARNESS (KUBOTA ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229798	Ref	FUEL HARNESS - KUBOTA ENGINE	A
1	4460977	1	Terminal, Ring	
2	2400082	1	Fuse 40Amp	
3	1001229795	1	Connector - 2 Position	
3	1001229796	1	Socket, Female	

FIGURE 8-45. GENERATOR HARNESS - 2500W GENERATOR

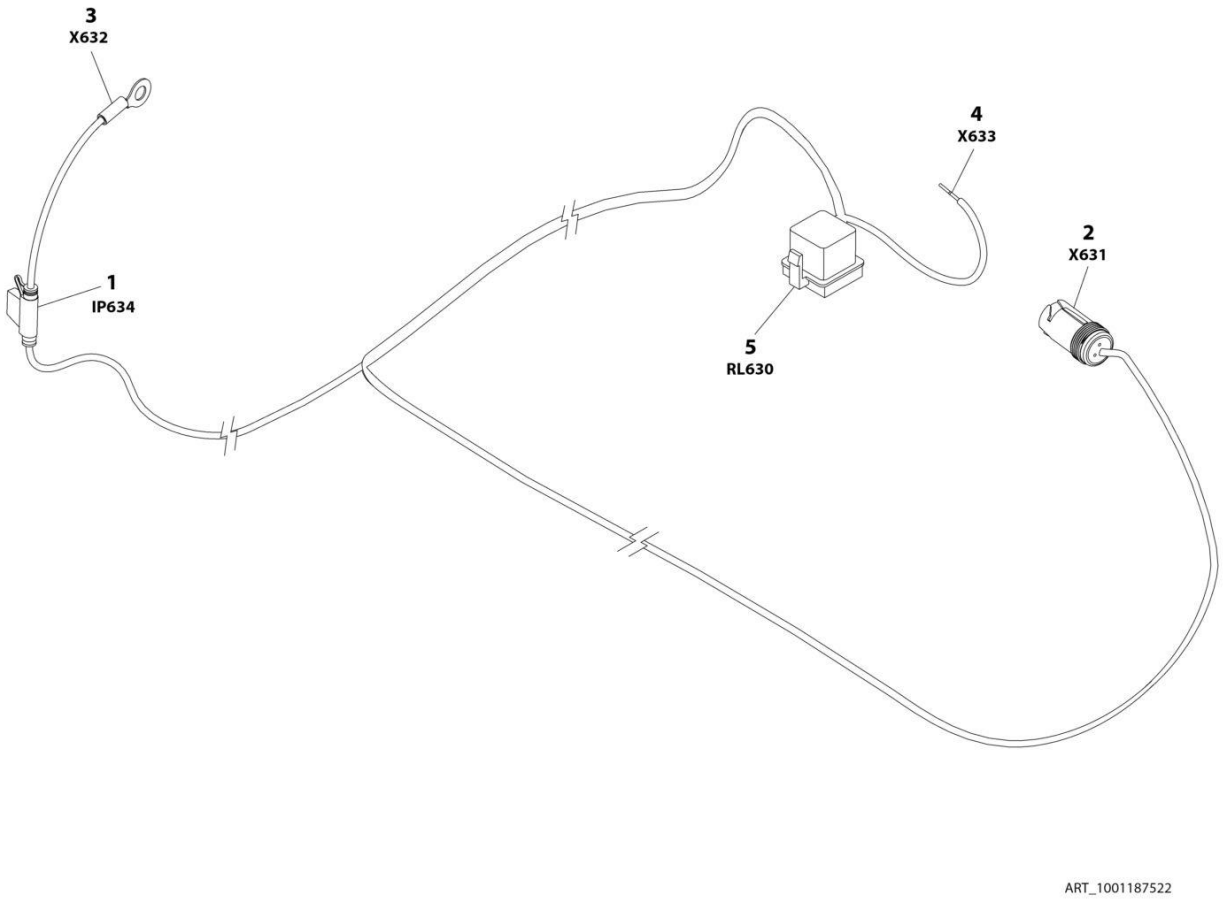


FIGURE 8-45. GENERATOR HARNESS - 2500W GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187522	Ref	GENERATOR HARNESS - 2500W	B
1	2400066	1	Fuseholder - 30Amp (Includes Cover)	
1	8229245	1	Fuse 30Amp	
2	1001154726	1	Receptacle, Female - 3 Position	
2	4460464	2	Pin, Male	
2	4460466	1	Plug, Terminal	
3	8220045	1	Terminal, Ring	
4	4460906	1	Socket, Female	
5	1001117057	1	Connector, Relay	
5	1001116734	2	Terminal	
5	1001116732	2	Terminal	
5	3740080	1	Relay	

FIGURE 8-46. GENERATOR HARNESS - 4000W GENERATOR (CONTROL BOX TO GENERATOR) (DEUTZ ENGINES)

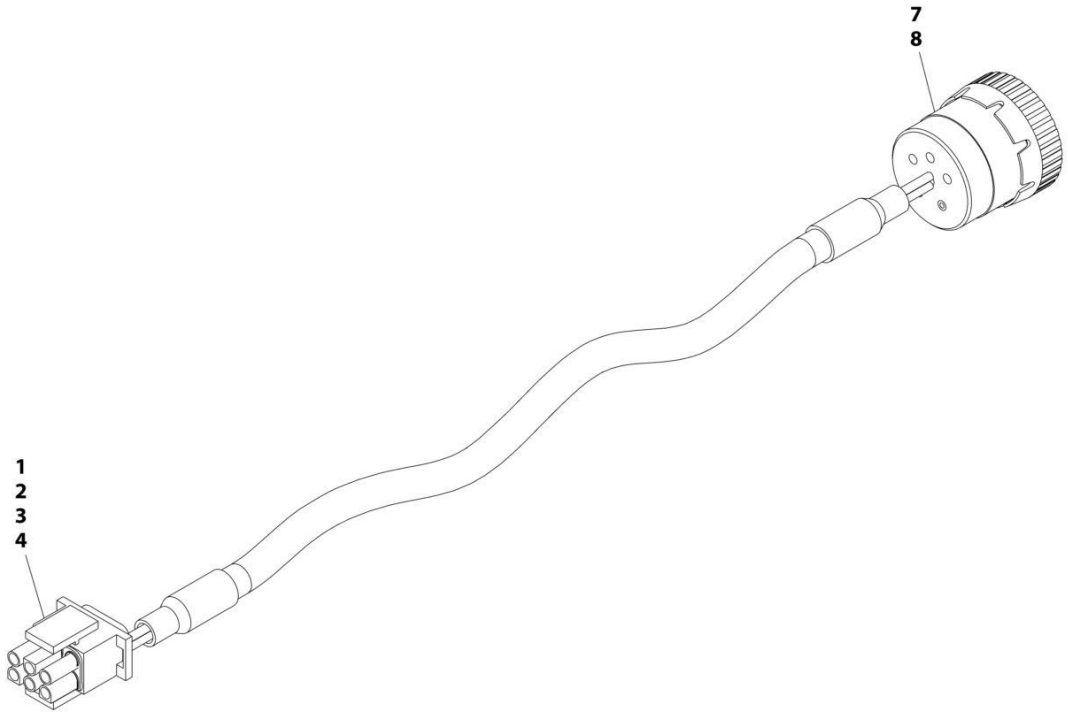


FIGURE 8-46. GENERATOR HARNESS - 4000W GENERATOR (CONTROL BOX TO GENERATOR) (DEUTZ ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152532	Ref	GENERATOR HARNESS	A
1	4460225	1	Connector - 6 Position	
2	4460268	2	Socket, Female	
3	4460807	1	Seal	
4	4460808	1	Seal	
7	4460465	2	Socket, Female	
8	77363233	1	Connector - 6 Position	

FIGURE 8-47. GENERATOR HARNESS - 7500W GENERATOR (CONTROL BOX TO GENERATOR)

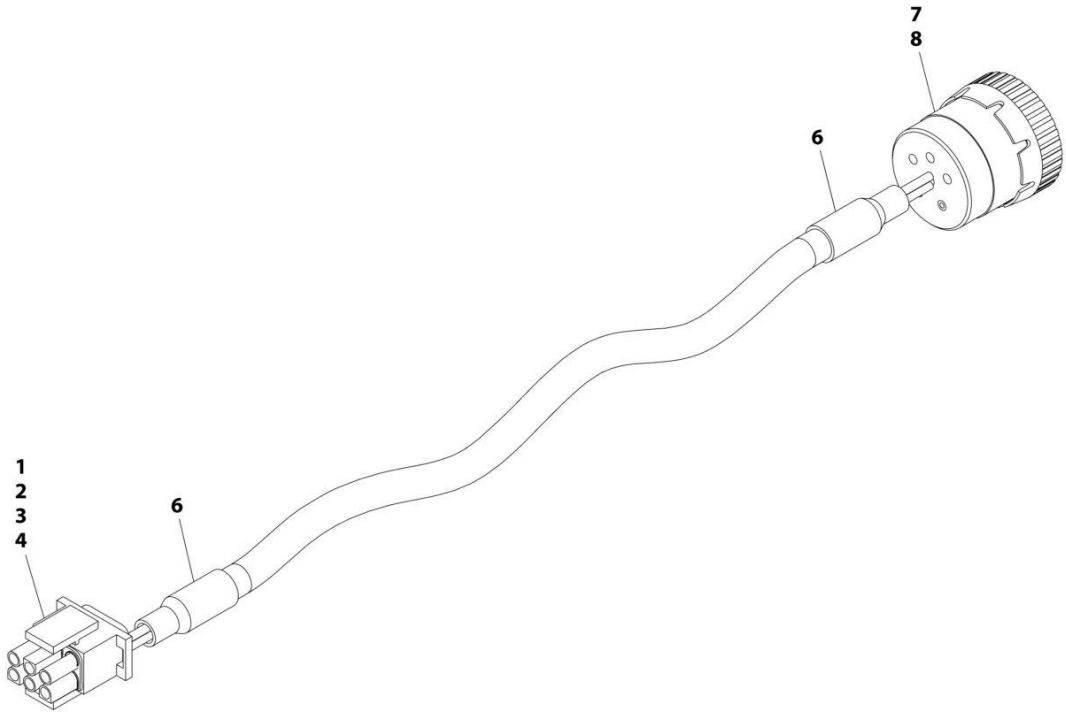


FIGURE 8-47. GENERATOR HARNESS - 7500W GENERATOR (CONTROL BOX TO GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922925	Ref	GENERATOR TO CONTROL BOX HARNESS (7500W GENERATOR)	C
1	4460225	1	Plug, Male - 2 Position	
2	4460268	6	Socket, Female	
3	4460807	1	Seal	
4	4460808	1	Seal	
6	2820019	AR	Heat Shrink	
7	4460465	6	Socket, Female	
8	77363233	1	Connector - 6 Position	

FIGURE 8-48. GROUND CONTROL BOX HARNESS

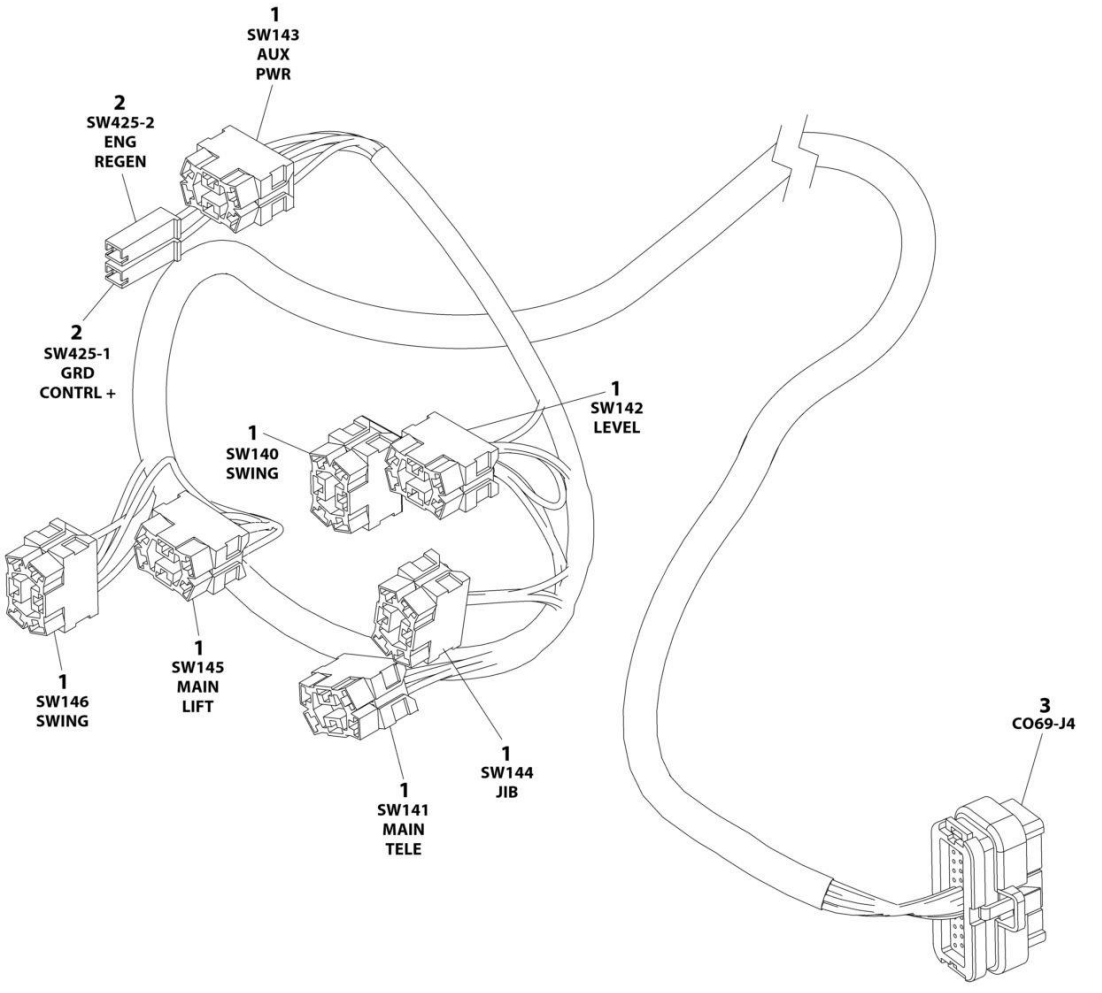


FIGURE 8-48. GROUND CONTROL BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238161	Ref	GROUND CONTROL BOX HARNESS	C
1	4460418	7	Connector - 6 Position	
1	4460419	27	Terminal	
2	4460260	2	Housing, Terminal	
2	4460259	2	Terminal	
3	4460876	1	Connector - 35 Position	
3	4460871	16	Socket, Female	
3	4460905	19	Plug, Terminal	

FIGURE 8-49. HIGH CAPACITY HARNESS (460SJ HC3)

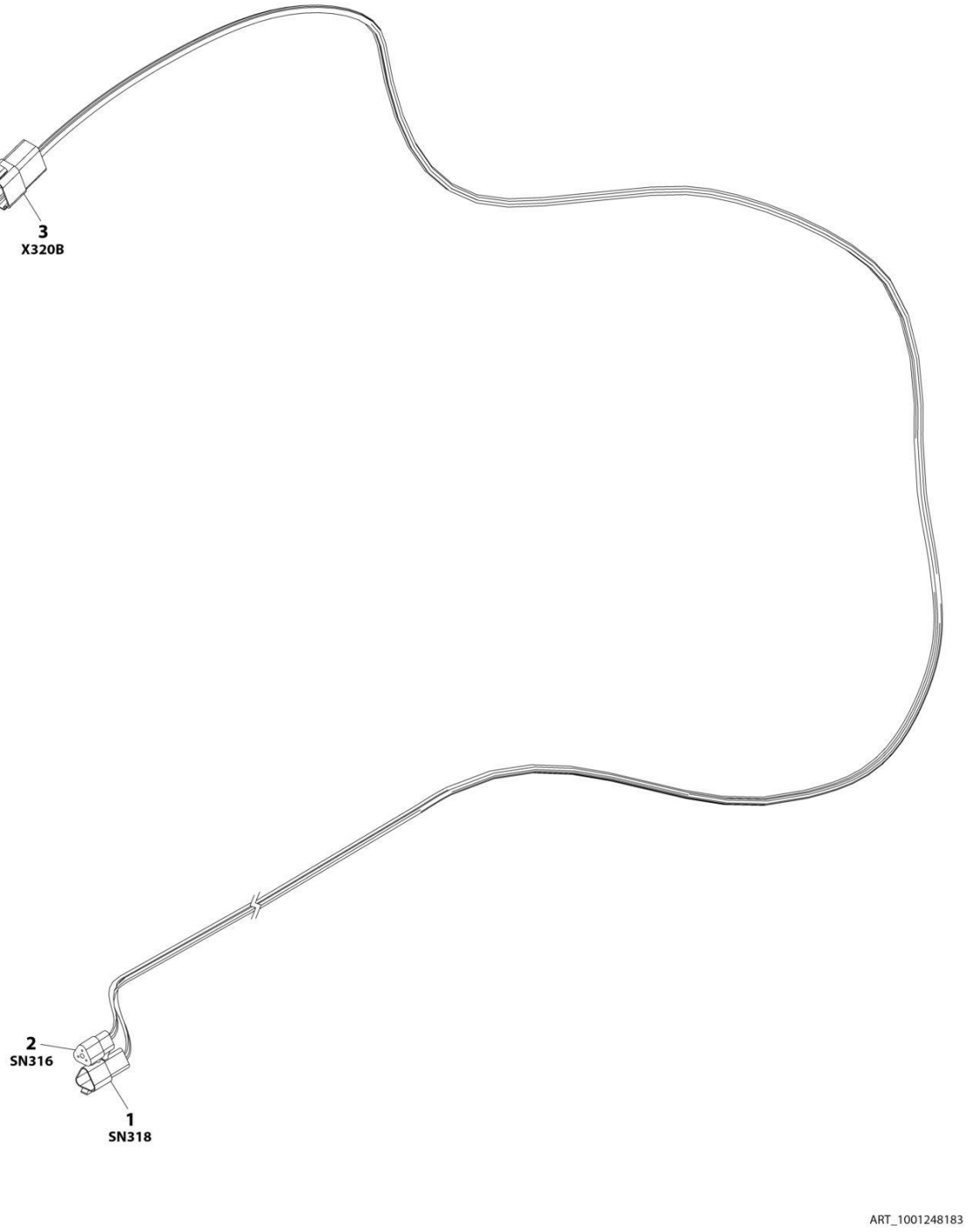


FIGURE 8-49. HIGH CAPACITY HARNESS (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248183	Ref	HIGH CAPACITY HARNESS	B
1	4460536	1	Receptacle, Female - 3 Position	
1	4460464	3	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	1	Socket, Female	
3	4460931	1	Receptcale, Female - 8 Position	
3	4460464	1	Pin, Male	
3	4460466	2	Plug, Terminal	

FIGURE 8-50. PLATFORM CONSOLE BOX HARNESS

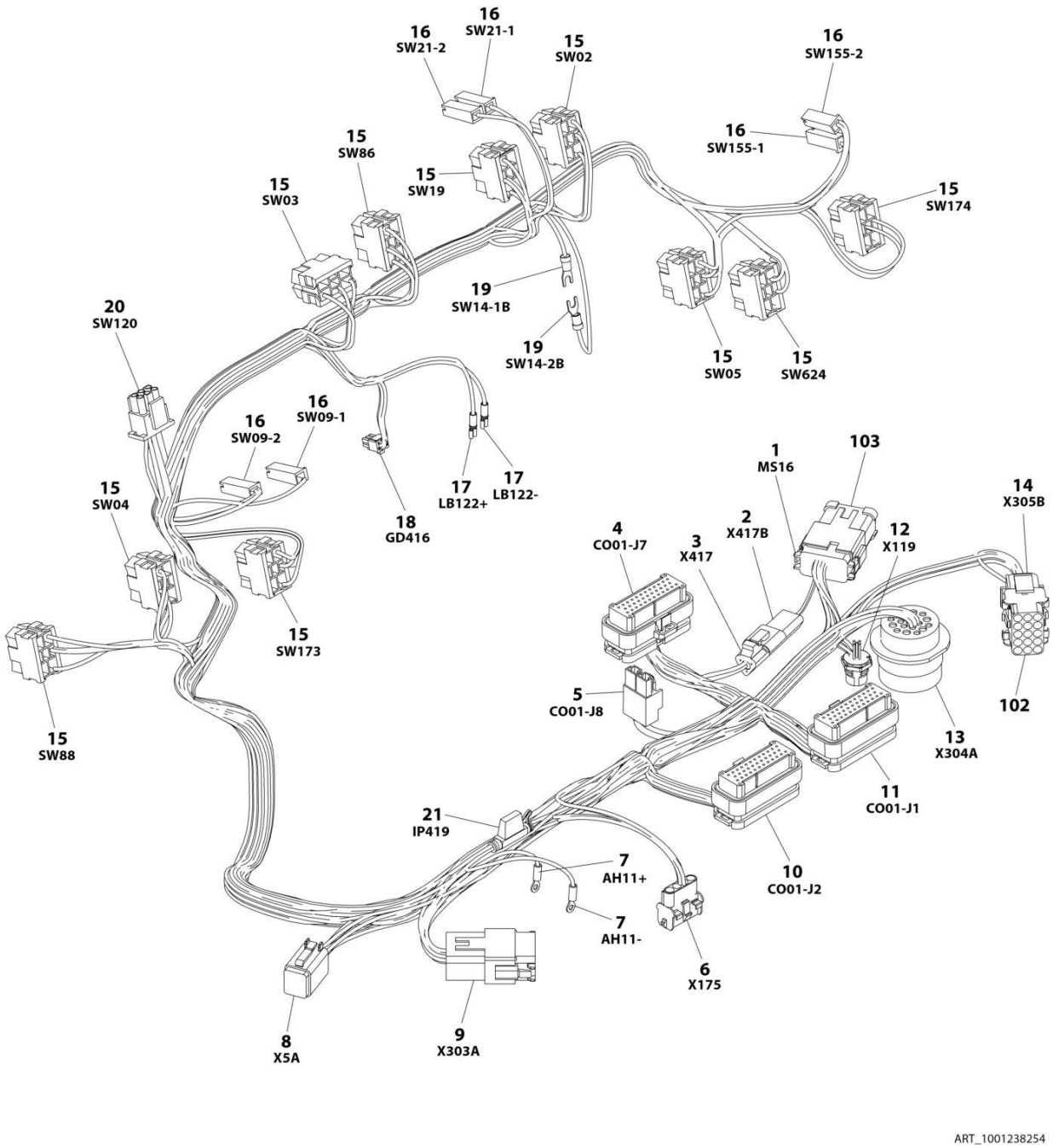


FIGURE 8-50. PLATFORM CONSOLE BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238254	Ref	PLATFORM CONSOLE BOX HARNESS	H
1	4460933	1	Plug, Male - 12 Position	
1	4460465	10	Socket, Female	
1	4460466	2	Plug, Terminal	
2	4460536	1	Receptacle, Female - 3 Position	
2	4460464	2	Pin, Male	
2	4460466	1	Plug, Terminal	
3	4460539	1	Plug, Male - 3 Position	
3	4460465	2	Socket, Female	
3	4460466	1	Plug, Terminal	
4	4460873	1	Connector - 35 Position	
4	4460871	21	Socket, Female	
4	4460905	14	Plug, Terminal	
5	4460879	1	Plug, Male - 2 Position	
5	4460887	2	Terminal	
6	4460761	1	Receptacle, Female - 4 Position	
6	4460267	4	Pin, Male	
7	1001098122	2	Terminal, Ring	
8	4460894	1	Plug, Male - 6 Position	
8	4460465	6	Socket, Female	
9	4460970	1	Receptacle, Female - 12 Position	
9	1001116693	9	Pin, Male	
9	4460466	1	Plug, Terminal	
9	4460464	2	Pin, Male	
10	4460875	1	Connector - 35 Position	
10	4460871	12	Socket, Female	
10	4460905	23	Plug, Terminal	
11	4460874	1	Connector - 35 Position	
11	4460871	27	Socket, Female	
11	4460905	8	Plug, Terminal	
12	1001213447	1	Connector - 4 Position	
12	See Note	NSS	Terminal (Note: Purchase p/n 1001213447)	
13	4460866	1	Connector - 19 Position	
13	4460464	5	Pin, Male	
13	4460466	11	Plug, Terminal	
13	4460508	1	Pin, Male	
14	4460434	1	Connector - 15 Position	
14	4460267	8	Pin. Male	
15	4460418	10	Connector - 6 Position	
15	4460419	45	Terminal	
16	4460260	6	Housing, Terminal	
16	4460259	8	Terminal	
17	1001271497	2	Terminal	
18	1001237667	1	Plug, Male - 6 Position	
18	1001237668	4	Terminal	
19	4460183	2	Terminal, Fork	
20	4460225	1	Plug, Male - 6 Position	
20	4460227	6	Pin, Male (Note: Used on Pump Potentiometer Connection Only)	
21	2400060	1	Fuse Holder	
102	4460708	1	Connector, Bussbar - 15 Position	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	1001125677	1	Connector, Bussbar - 12 Posititon	

FIGURE 8-51. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC)

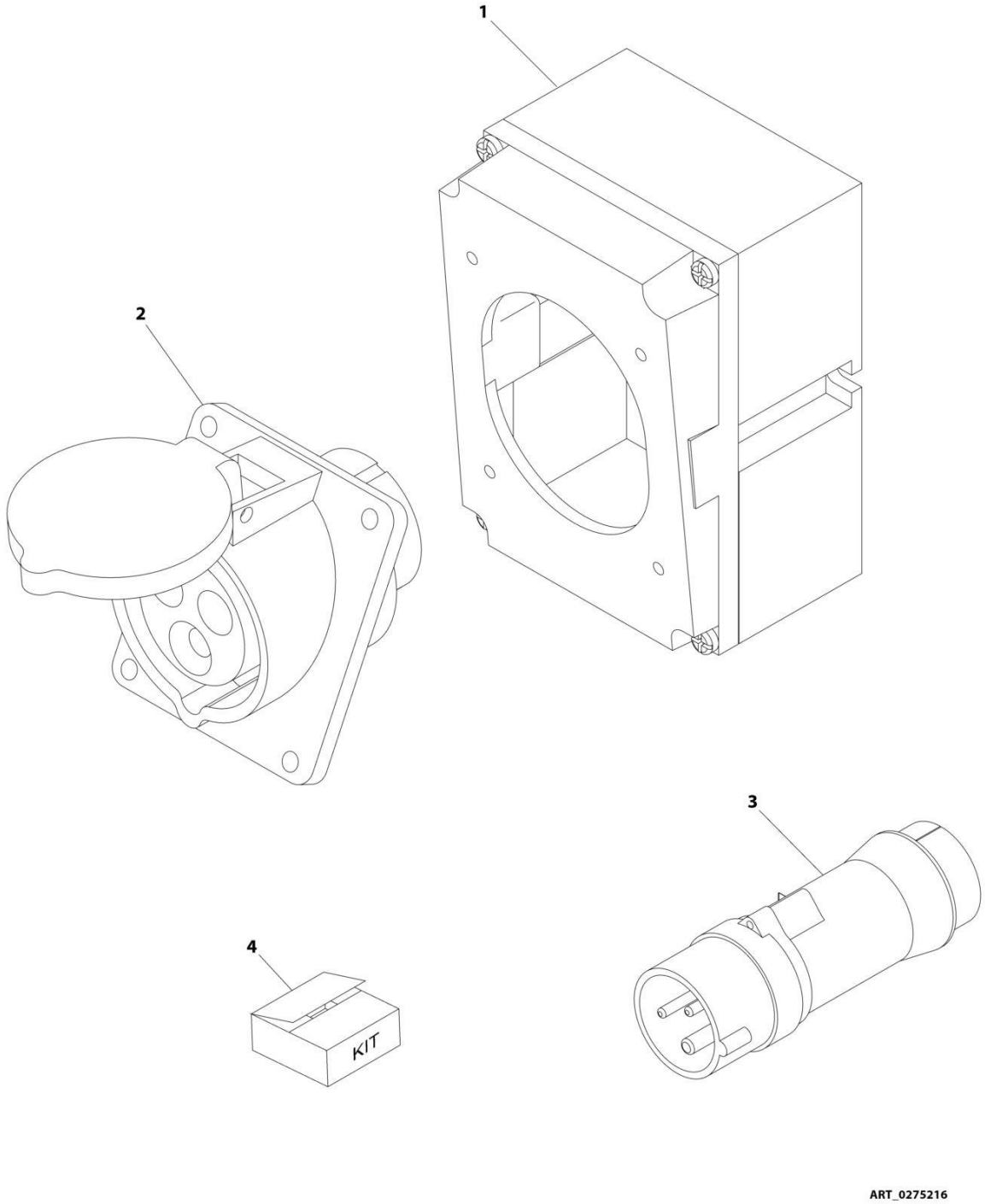


FIGURE 8-51. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275216	Ref	RECEPTACLE BOX KIT - 110V IEC YELLOW	B
1	0861781	1	Box, Switch	
2	4461198	1	Receptacle	
3	4461196	1	Plug, Male	
4	1001100341	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461197)	

FIGURE 8-52. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC)

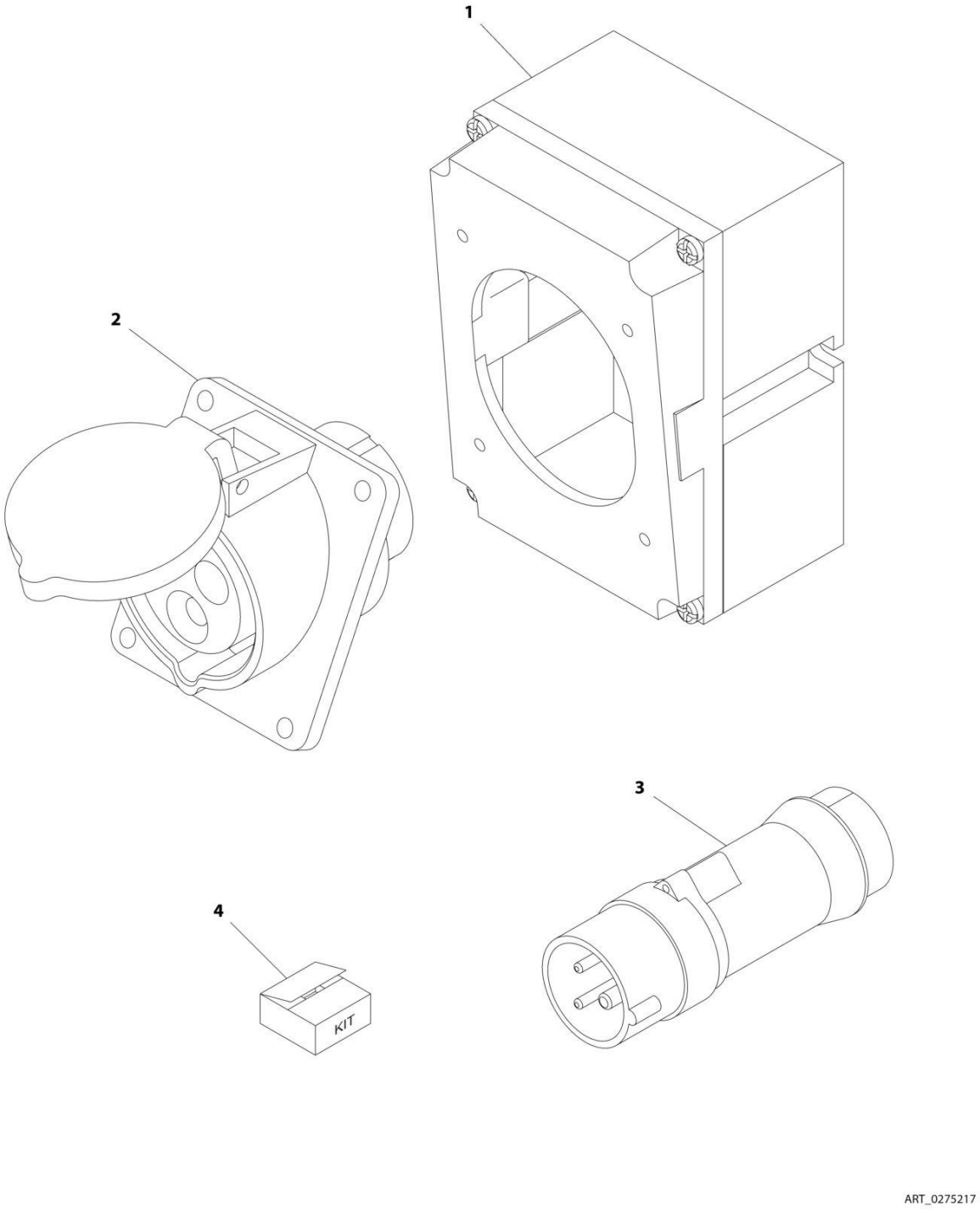


FIGURE 8-52. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275217	Ref	RECEPTACLE BOX KIT - 220V IEC BLUE	B
1	0861781	1	Box, Switch	
2	4461201	1	Receptacle	
3	4461199	1	Plug, Male	
4	1001100342	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461200)	

FIGURE 8-53. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND (CE SPEC)

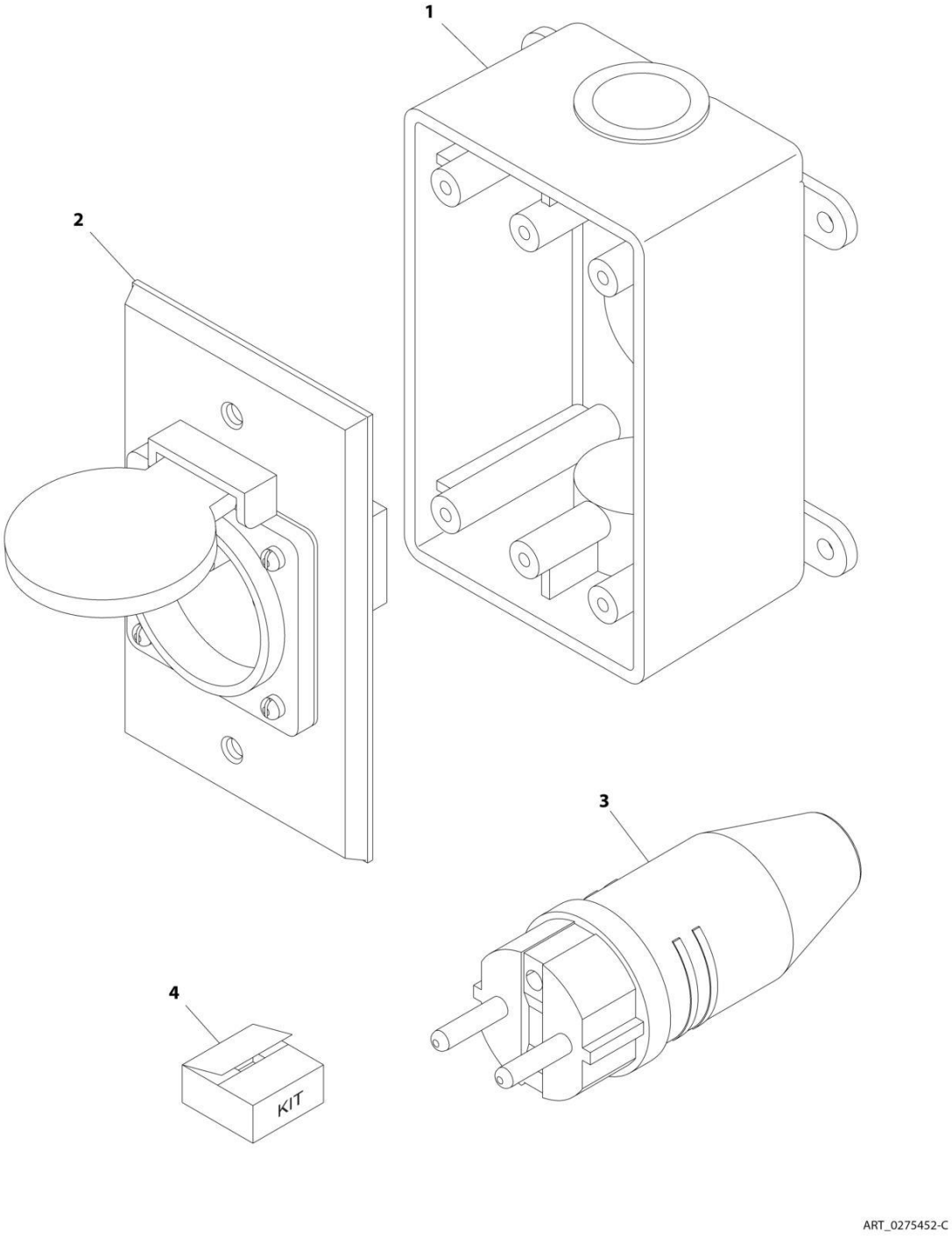


FIGURE 8-53. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275452	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN BOX	C
1	0861731	1	Box, Switch	
2	4461244	1	Receptacle	
3	4461205	1	Plug, Male	
4	1001100345	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461203)	

FIGURE 8-54. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC)

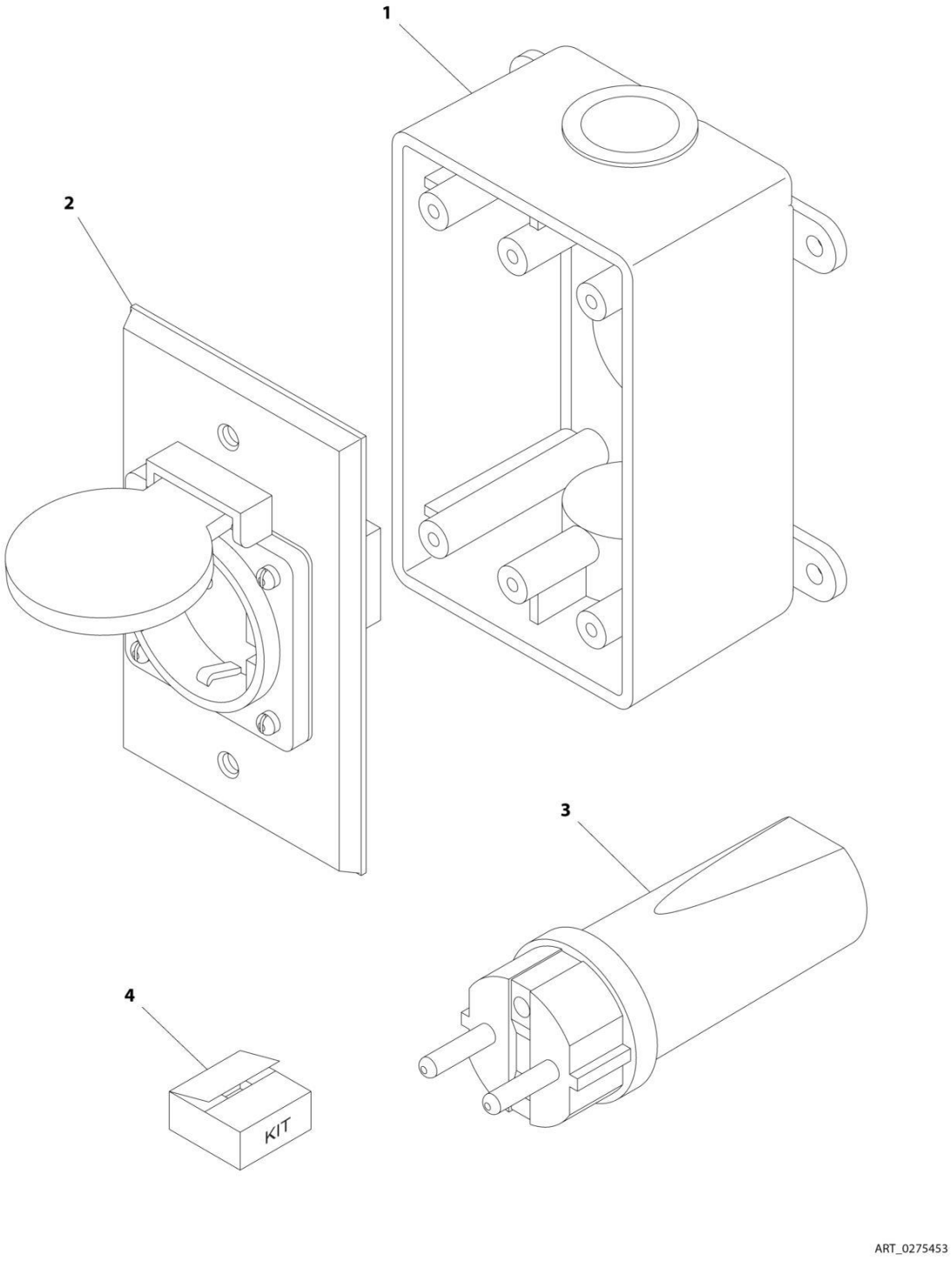


FIGURE 8-54. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275453	Ref	RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND	B
1	0861731	1	Box, Switch	
2	4461245	1	Receptacle	
3	4461205	1	Plug, Male	
4	1001100347	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461206)	

FIGURE 8-55. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)

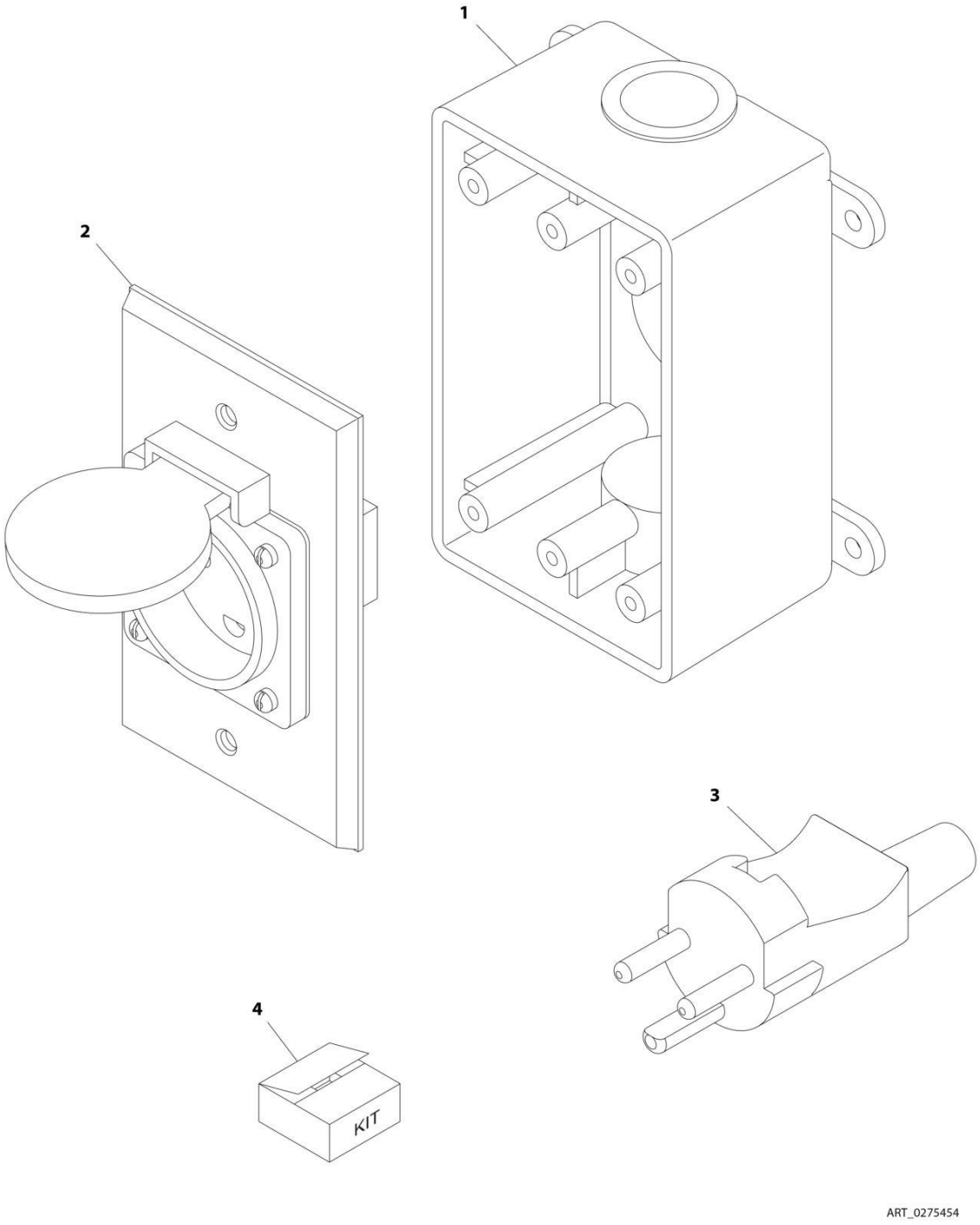


FIGURE 8-55. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275454	Ref	RECEPTACLE BOX KIT - 220V AFSINT 107	B
1	0861731	1	Box, Switch	
2	4461246	1	Receptacle	
3	4461249	1	Plug, Male	
4	1001100346	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461250)	

FIGURE 8-56. RECEPTACLE/BREAKER BOX ASSEMBLY - 240V (4000W AND 7500W SKYPOWER GENERATORS) (ANSI, ANSI EXPORT AND CSA SPECS)

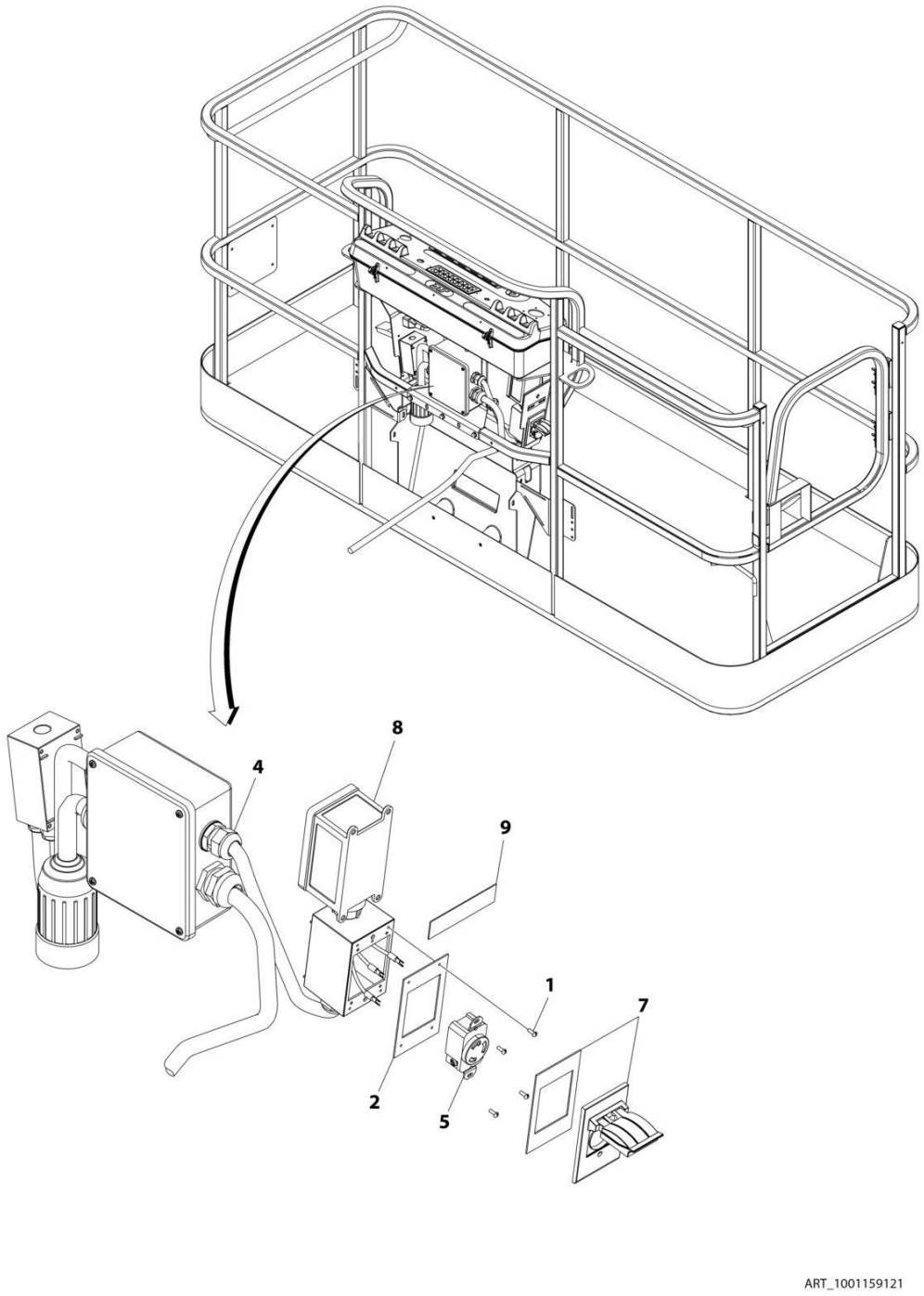


FIGURE 8-56. RECEPTACLE/BREAKER BOX ASSEMBLY - 240V (4000W AND 7500W SKYPOWER GENERATORS) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159121	Ref	AC BOX AT PLATFORM INSTALLATION - 240V RECEPTACLE	B
1	3910606	4	Screw 6 x 3/8	
2	3960422	1	Gasket	
3	4240018	AR	Tie-Strap (Not Shown)	
4	4460425	1	Connector, Strain Relief	
5	4460958	1	Receptacle	
7	1001110872	1	Cover, Receptacle	
8	1001159120	1	Receptacle/Breaker Box Assembly	
8	1001148675	1	Box, Receptacle	
8	1001159118	1	Breaker Box Assembly	
8	4460612	1	Connector, Strain Relief	
8	1001159119	1	Connector (Between Boxes)	
9	1705374	1	Decal - 240V/60Hz	

FIGURE 8-57. SKYEYE EMITTER HARNESS

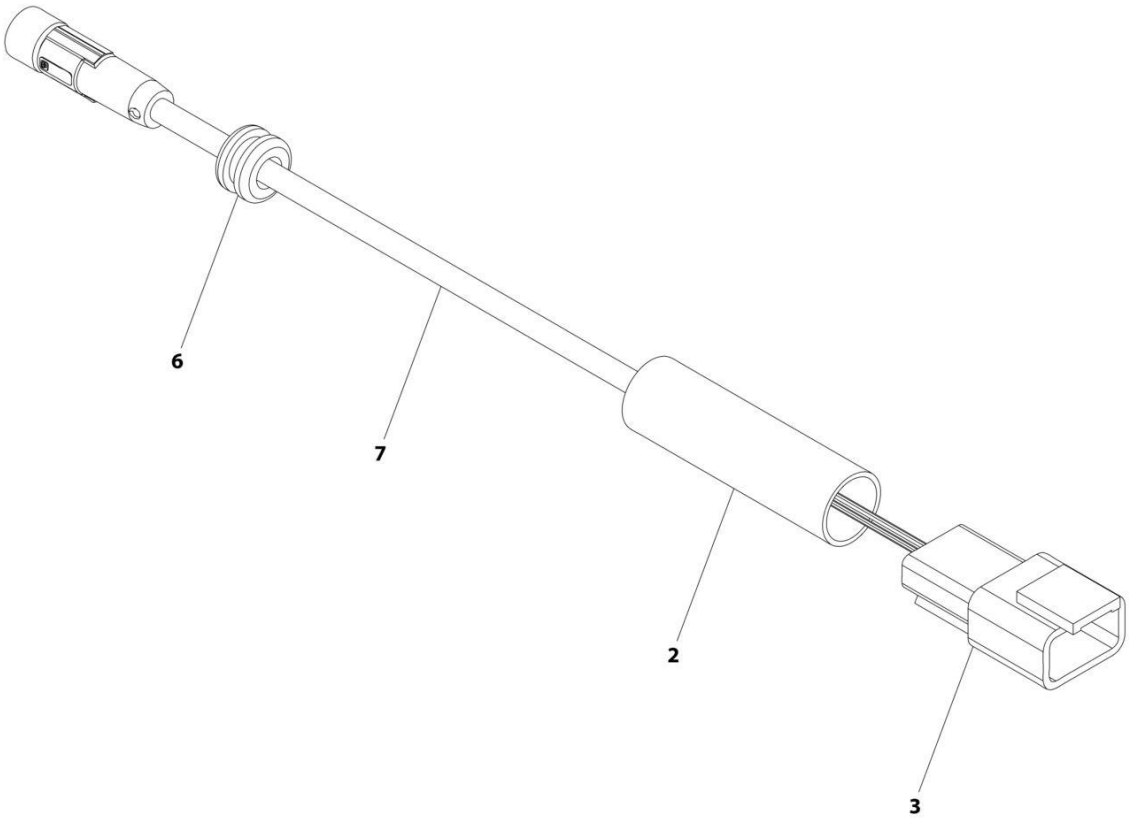
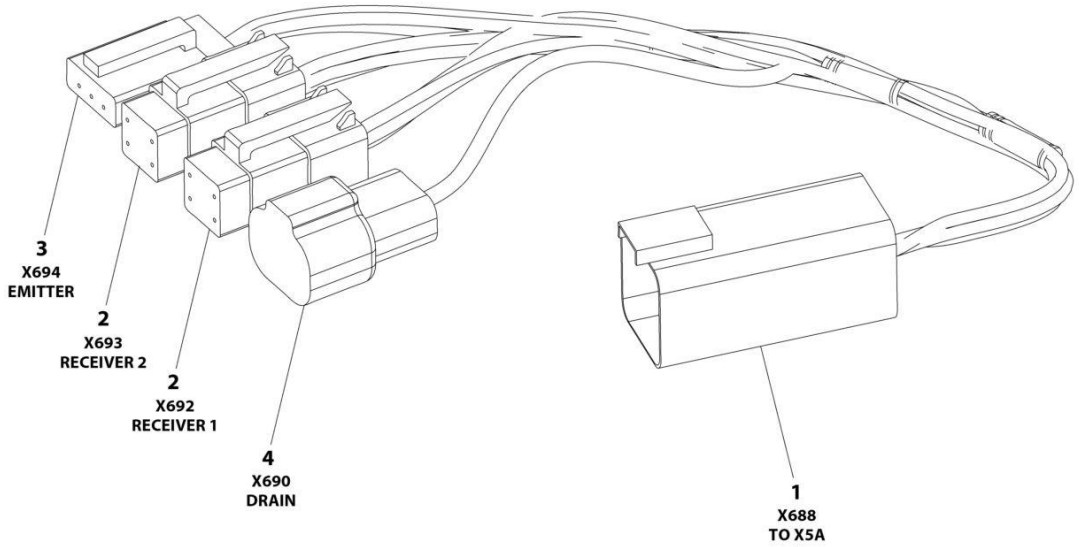


FIGURE 8-57. SKYEYE EMITTER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237864	Ref	SKYEYE EMITTER HARNESS	A
2	2820247	AR	Tubing, Heat Shrink	
3	4460910	1	Connector - 3 Position	
3	1001119620	3	Pin, Male	
6	1001227996	1	Grommet	
7	1001237862	1	Cable, M8 Female Cordset	

FIGURE 8-58. SKYEYE INTERMEDIATE HARNESS



ART_1001237865

FIGURE 8-58. SKYEYE INTERMEDIATE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237865	Ref	SKYEYE INTERMEDIATE HARNESS	A
1	4460899	1	Connector - 6 Position	
1	4460943	4	Pin, Male	
1	4460466	2	Plug, Terminal	
2	4461077	2	Connector - 4 Position	
2	1001119619	8	Socket, Female	
3	4460911	1	Connector - 3 Position	
3	1001119619	3	Socket, Female	
4	1001187681	1	Connector - 2 Position	
4	4460941	1	Pin, Male	
4	4460466	1	Plug, Terminal	

FIGURE 8-59. SKYEYE RECEIVER HARNESS

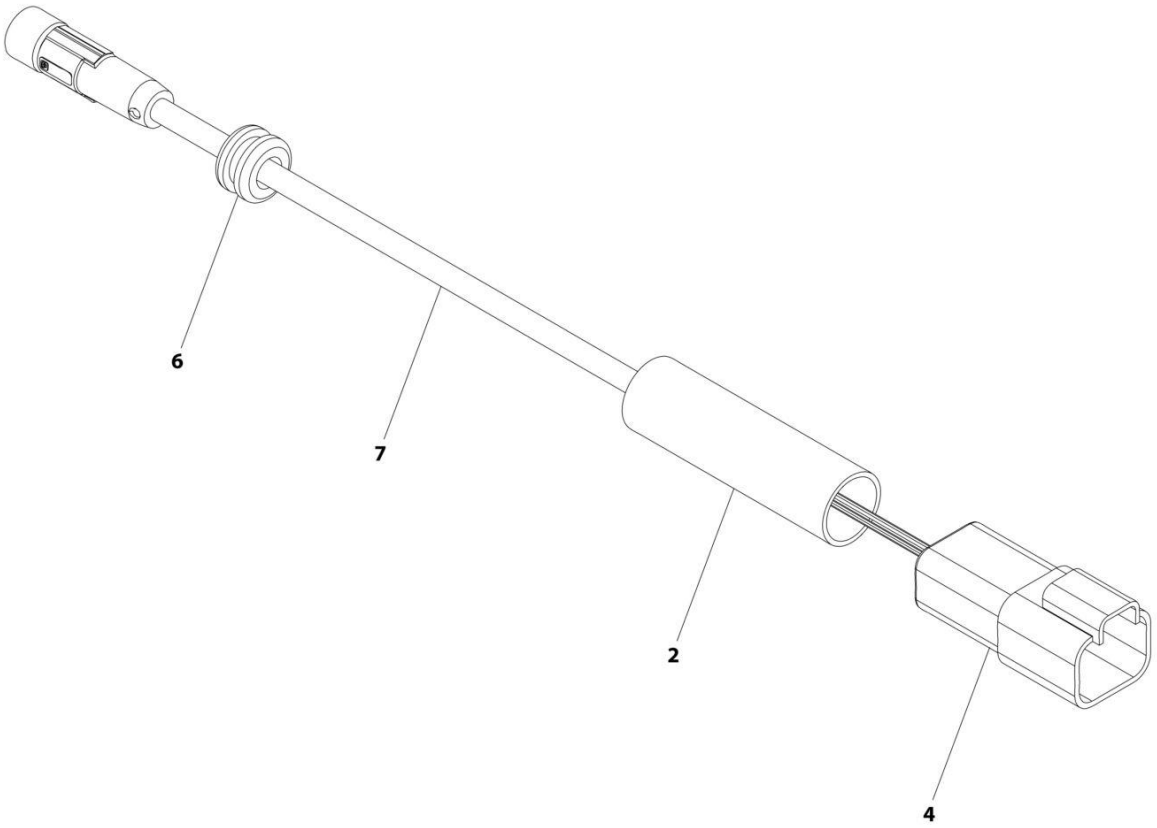


FIGURE 8-59. SKYEYE RECEIVER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237863	Ref	SKYEYE RECEIVER HARNESS	A
2	2820247	AR	Tubing, Heat Shrink	
4	1001097051	1	Connector - 4 Position	
4	1001119620	4	Pin, Male	
6	1001227996	1	Grommet	
7	1001237862	1	Cable, M8 Female Cordset	

FIGURE 8-60. SKYGUARD HARNESS

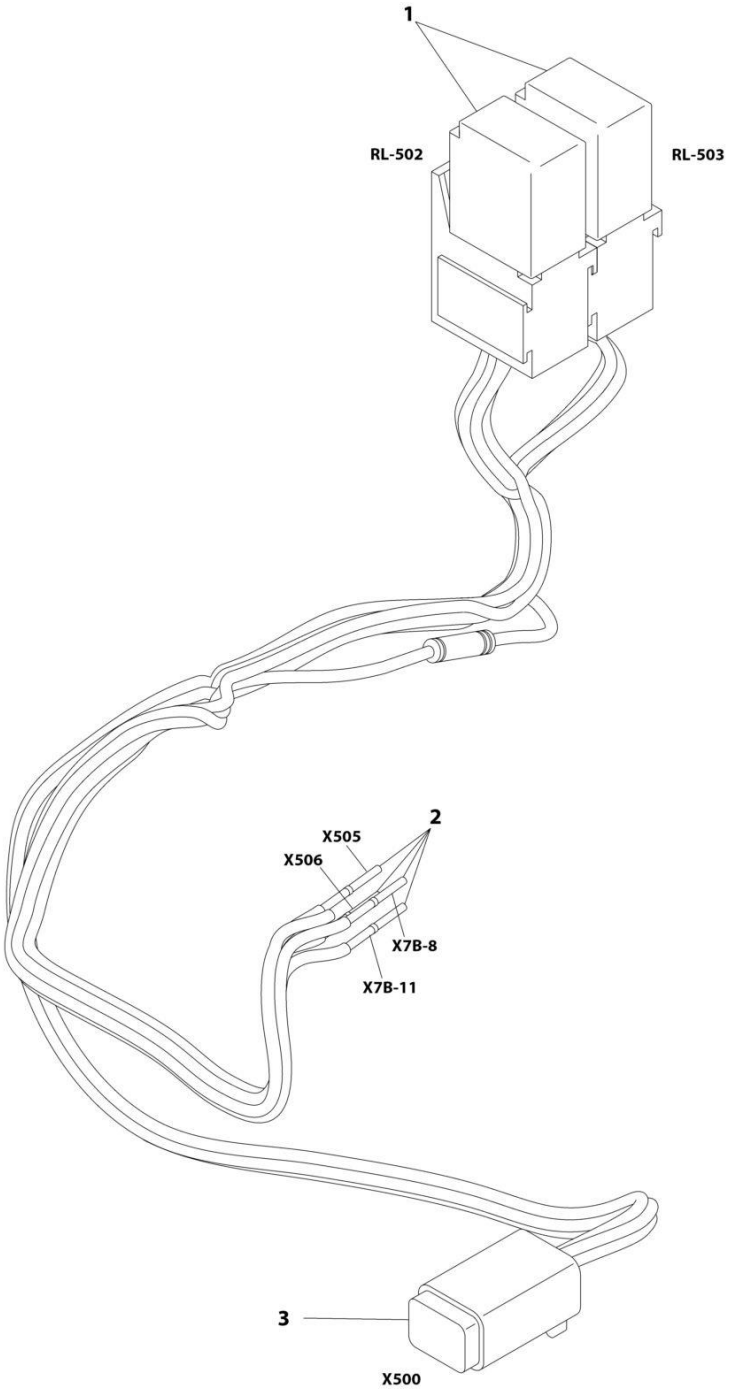


FIGURE 8-60. SKYGUARD HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192292	Ref	SKYGUARD HARNESS	B
1	1001186432	2	Holder, Micro Relay	
1	1001186431	2	Relay, Micro 35 Amp	
1	1001116720	11	Terminal	
2	4460226	4	Socket, Female	
3	4460884	1	Plug, Male - 4 Position	
3	4460465	2	Socket, Female	

FIGURE 8-61. SKYGUARD INTERFACE HARNESS

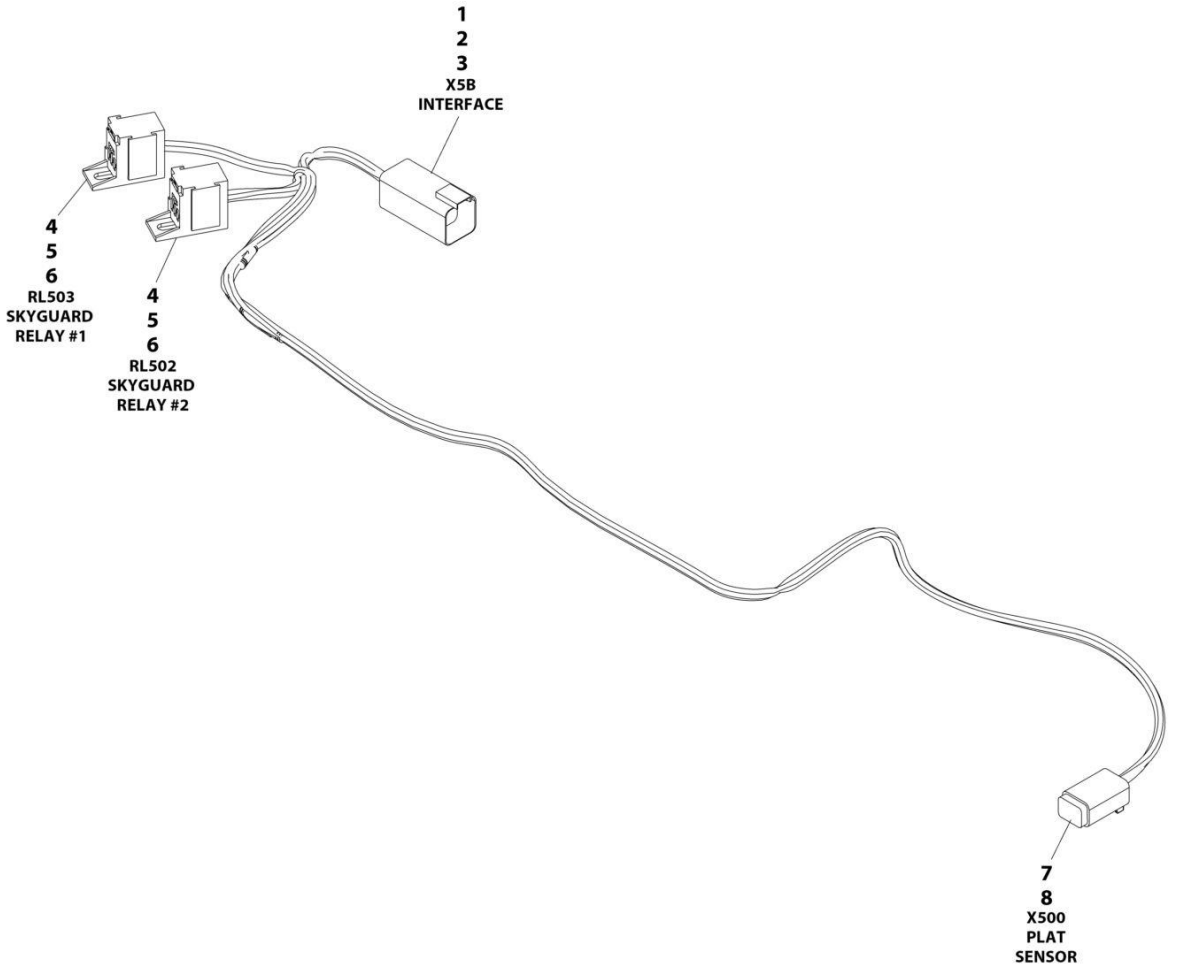


FIGURE 8-61. SKYGUARD INTERFACE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225580	Ref	INTERFACE HARNESS - WITH 1 CELL LSS	D
1	4460899	1	Connector	
2	4460464	4	Terminal	
3	4460466	2	Plug	
4	1001186432	2	Connector	
5	1001116720	4	Terminal	
6	1001118388	4	Terminal	
7	4460884	1	Connector	
8	4460465	4	Terminal	

FIGURE 8-62. SKYLINE HARNESS

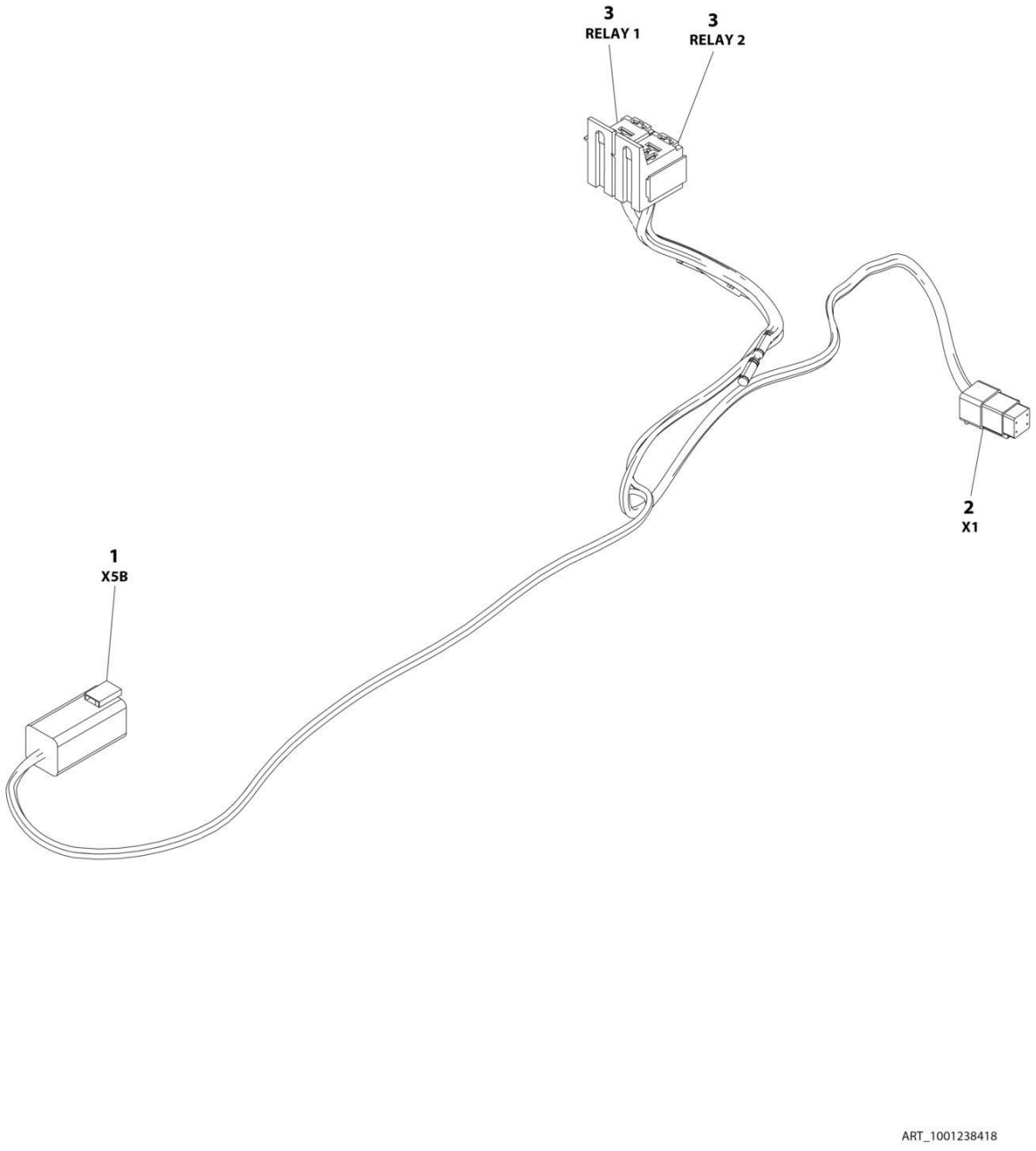


FIGURE 8-62. SKYLINE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238418	Ref	SKYLINE HARNESS	B
1	4460899	1	Connector - 6 Position	
1	4460464	4	Pin, Male	
1	4460466	2	Plug, Terminal	
2	4461077	1	Connector - 4 Position	
2	1001126009	4	Socket, Female	
3	1001186432	2	Plug, Relay	
3	1001118388	5	Terminal	
3	1001118384	3	Terminal	
3	3740086	2	Relay	

FIGURE 8-63. STROBE LIGHT HARNESS (BLUE AND RED STROBE LIGHTS)

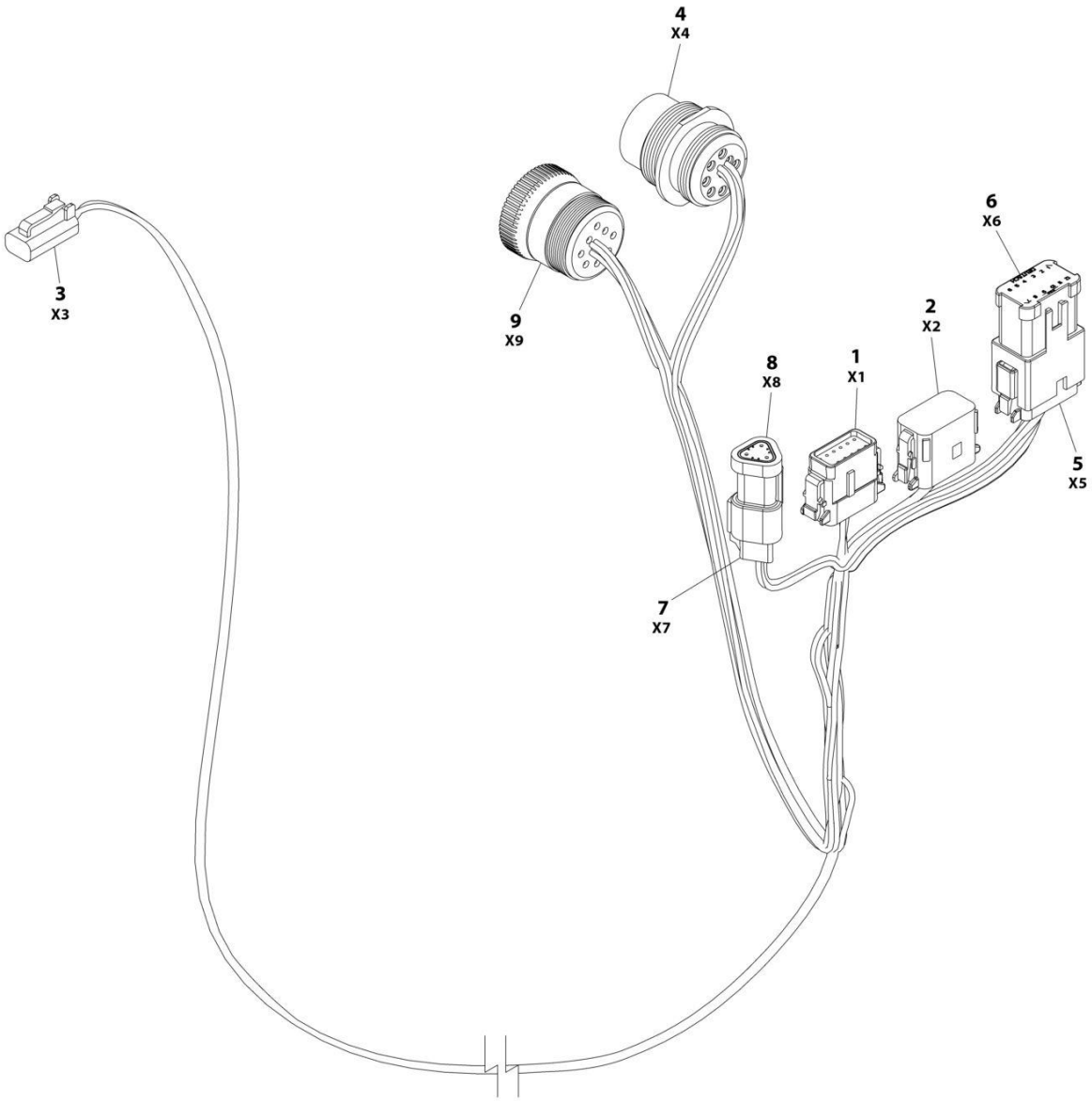


FIGURE 8-63. STROBE LIGHT HARNESS (BLUE AND RED STROBE LIGHTS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142736	Ref	STROBE LIGHT HARNESS	F
1	1001116808	1	Plug, Male - 12 Position	
1	4460928	3	Socket, Female	
1	4460518	9	Plug, Terminal	
2	1001116774	1	Plug, Male - 12 Position	
2	4460928	3	Socket, Female	
2	4460518	9	Plug, Terminal	
3	4460891	1	Plug, Male - 2 Position	
3	4460465	2	Socket, Female	
4	1001112612	1	Connector - 9 Position	
4	4460464	6	Pin, Male	
4	4460466	3	Plug, Terminal	
5	4460933	1	Plug, Male - 12 Position	
5	4460465	12	Socket, Female	
6	1001119020	1	Bussbar - 12 Position	
7	4461095	1	Plug, Male - 3 Position	
7	4460465	3	Socket, Female	
8	4461070	1	Bussbar - 3 Position	
9	1001112796	1	Connector - 9 Position	
9	4460465	6	Socket, Female	
9	4460466	3	Plug, Terminal	

FIGURE 8-64. TELESCOPE IN PROXIMITY SENSORS HARNESS (400S HC3)

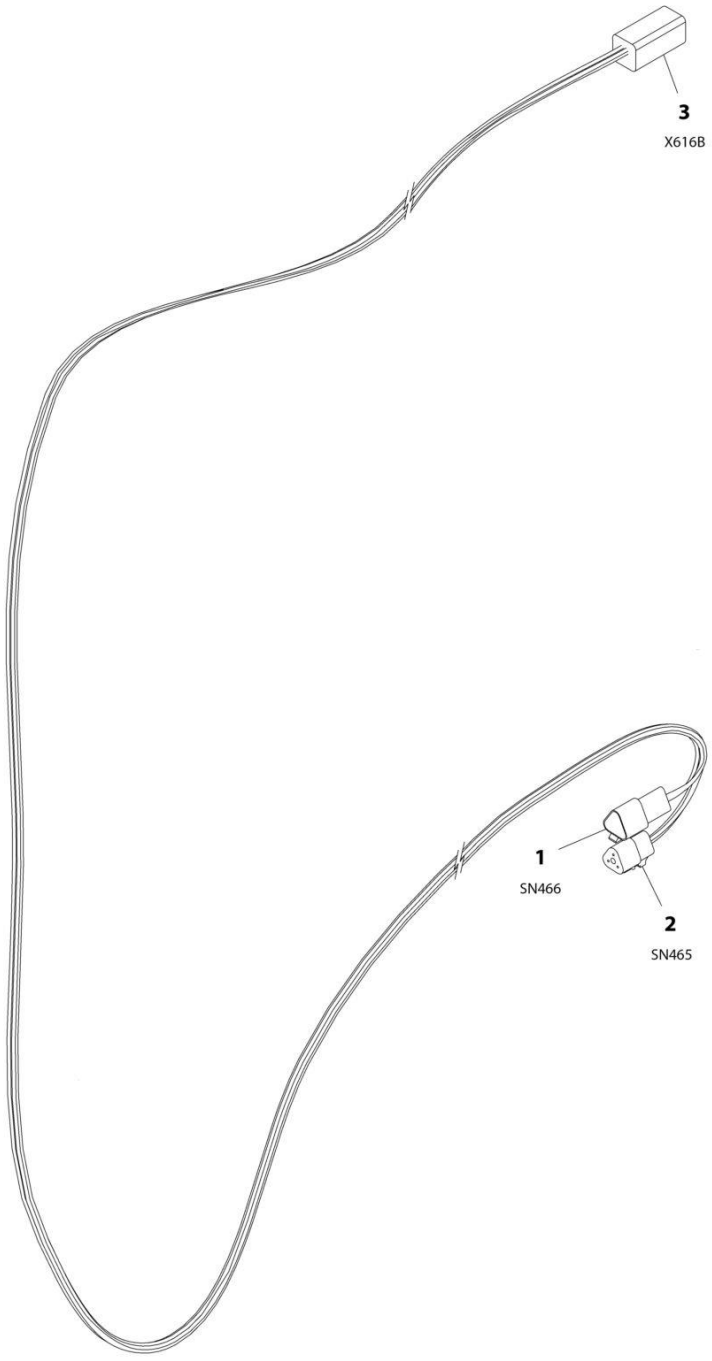


FIGURE 8-64. TELESCOPE IN PROXIMITY SENSORS HARNESS (400S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173808	Ref	BOOM TELE IN PROXIMITY SWITCH HARNESS	C
1	4460536	1	Receptacle, Female - 3 Position	
1	4460464	3	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	1	Socket, Female	
3	4460899	1	Receptacle, Female - 6 Position	
3	4460464	1	Pin, Male	

FIGURE 8-65. TELESCOPE IN PROXIMITY SENSORS HARNESS (460SJ HC3)

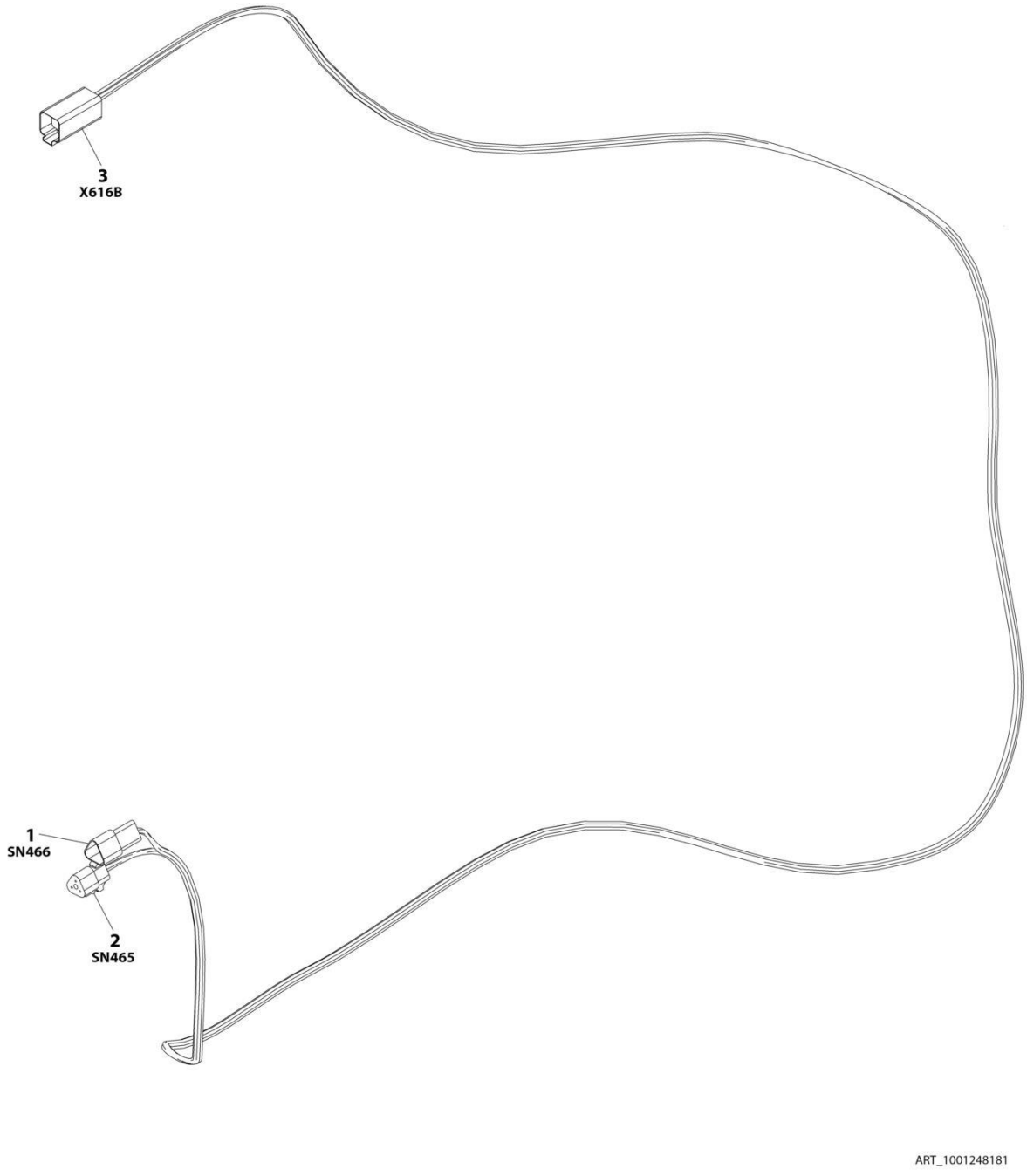


FIGURE 8-65. TELESCOPE IN PROXIMITY SENSORS HARNESS (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248181	Ref	TELESCOPE IN PROXIMITY SWITCH HARNESS	A
1	4460536	1	Receptacle, Female - 3 Position	
1	4460464	3	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	
3	4460899	1	Receptacle, Female - 6 Position	
3	4460464	6	Pin, Male	

FIGURE 8-66. TELESCOPE OUT PROXIMITY SENSORS HARNESS (400S HC3) (Prior to SN 0300280117)

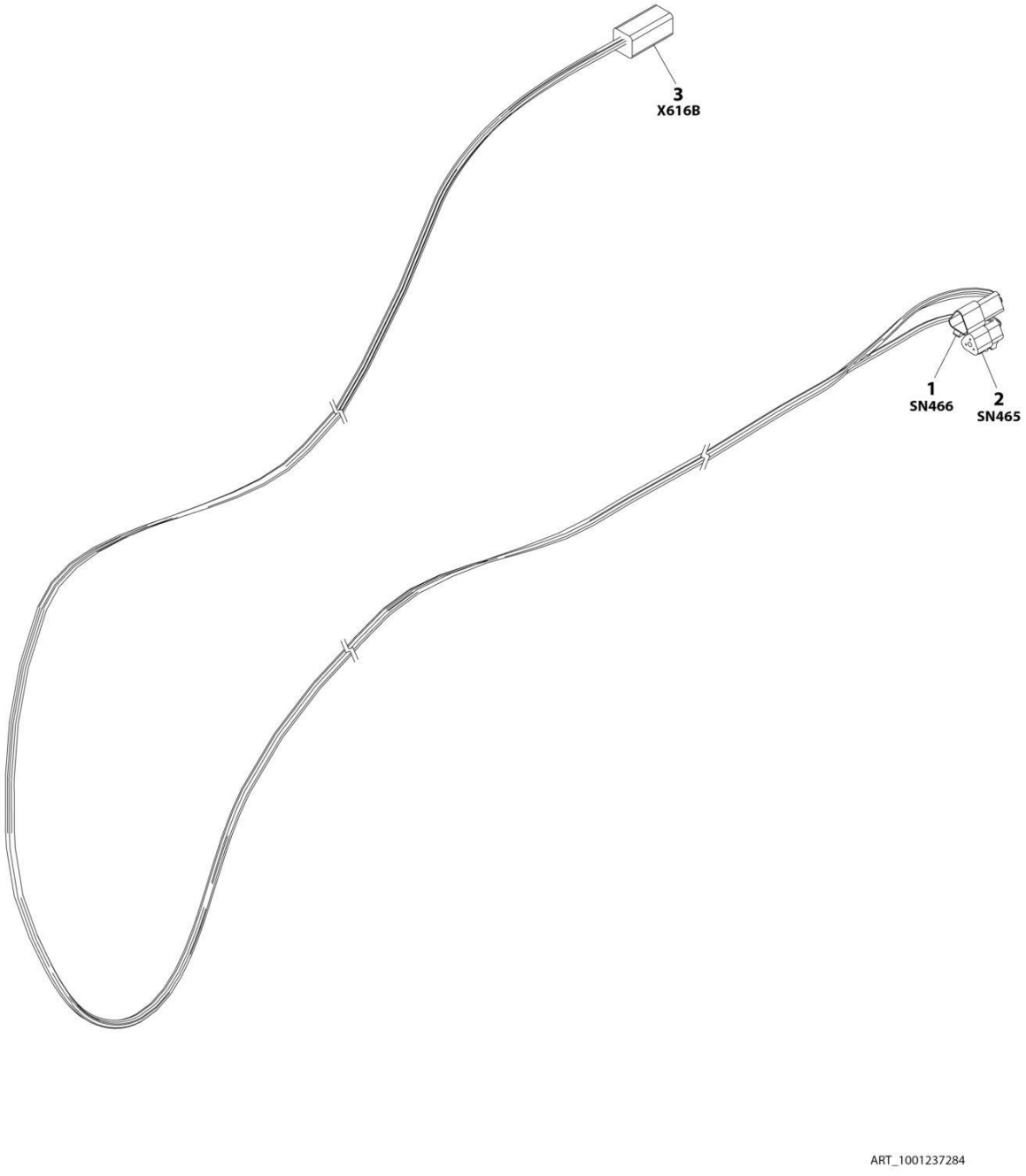


FIGURE 8-66. TELESCOPE OUT PROXIMITY SENSORS HARNESS (400S HC3) (Prior to SN 0300280117)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237284	Ref	TELESCOPE PROXIMITY SWITCH HARNESS	B
1	4460536	1	Receptacle, Female - 3 Position	
1	4460464	3	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	
3	4460899	1	Receptacle, Female - 6 Position	
3	4460464	6	Pin, Male	

FIGURE 8-67. TELESCOPE OUT PROXIMITY SENSORS HARNESS (400S HC3) (SN 0300280117 to Present)

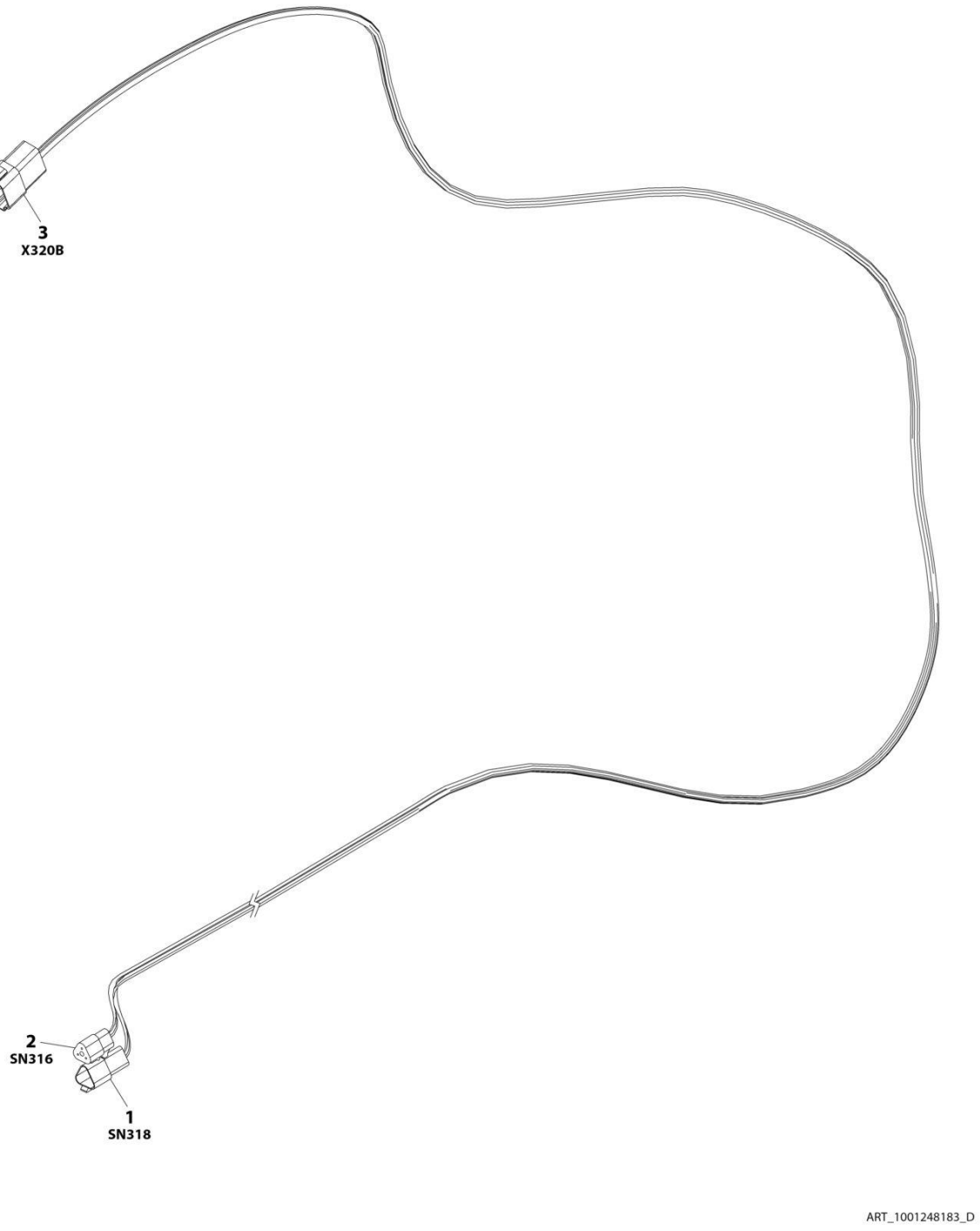


FIGURE 8-67. TELESCOPE OUT PROXIMITY SENSORS HARNESS (400S HC3) (SN 0300280117 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248183	Ref	HIGH CAPACITY HARNESS	D
1	4460536	1	Receptacle, Female - 3 Position	
1	4460464	3	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	1	Socket, Female	
3	4460931	1	Receptcale, Female - 8 Position	
3	4460464	1	Pin, Male	
3	4460466	2	Plug, Terminal	

FIGURE 8-68. TELESCOPE OUT PROXIMITY SENSORS HARNESS (460SJ HC3)

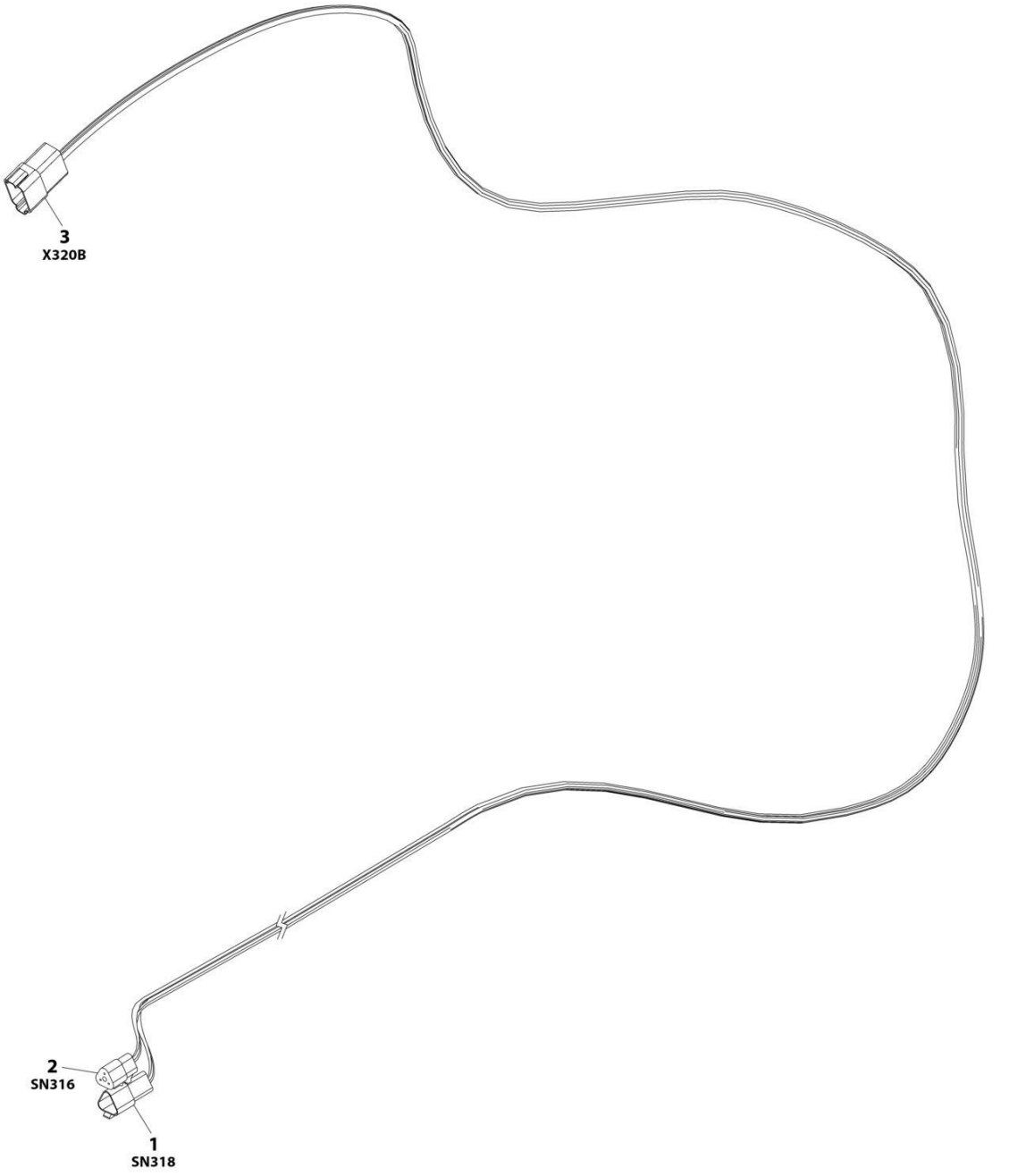


FIGURE 8-68. TELESCOPE OUT PROXIMITY SENSORS HARNESS (460SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248183	Ref	HIGH CAPACITY HARNESS	D
1	4460536	1	Receptacle, Female - 3 Position	
1	4460464	3	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	1	Socket, Female	
3	4460931	1	Receptcale, Female - 8 Position	
3	4460464	1	Pin, Male	
3	4460466	2	Plug, Terminal	

FIGURE 8-69. TURNTABLE HARNESS

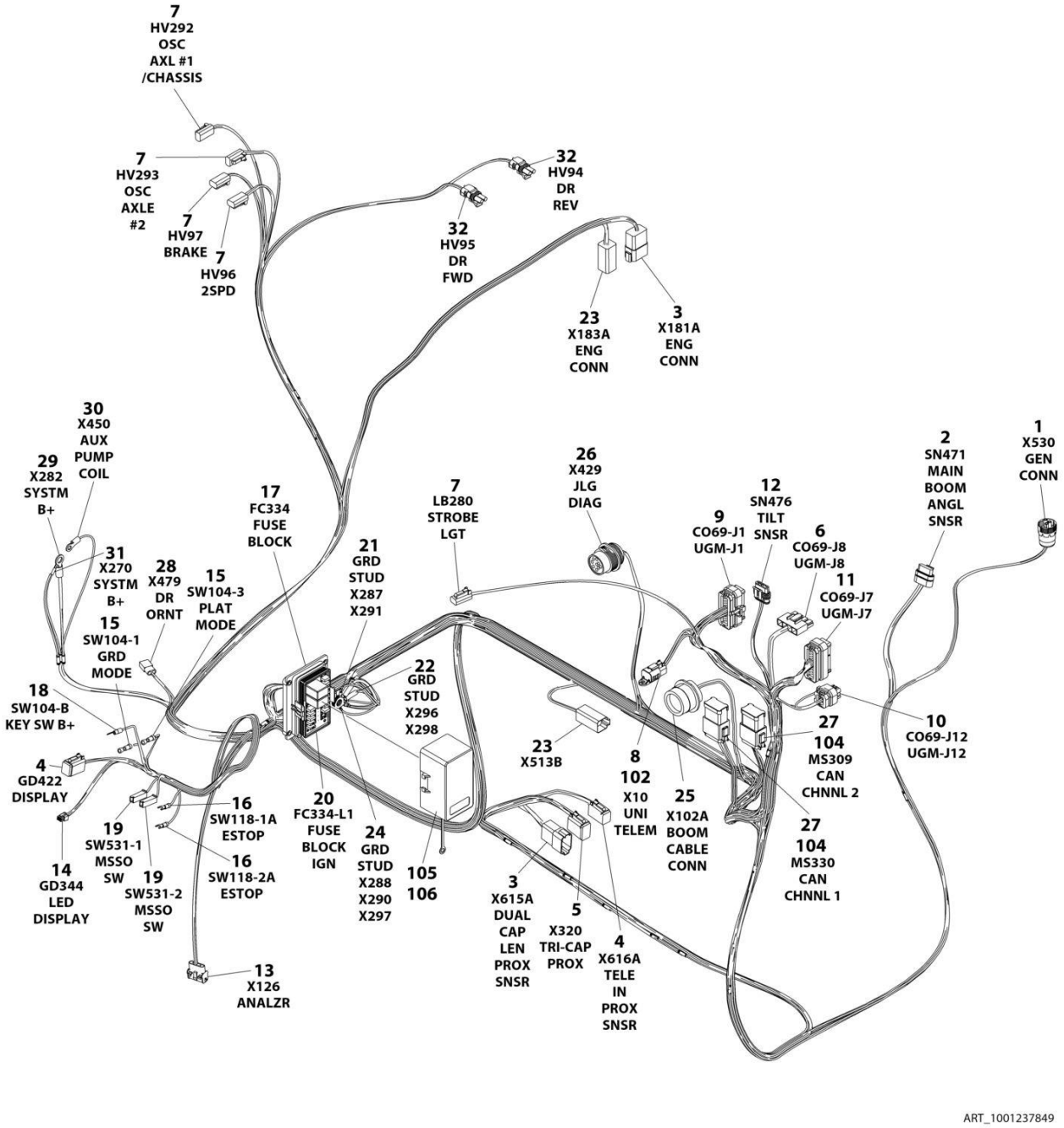


FIGURE 8-69. TURNTABLE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237849	Ref	TURNTABLE HARNESS	G
1	4460967	1	Connector - 3 Position	
1	4460465	3	Socket, Female	
2	1001230931	1	Plug, Male - 6 Position	
2	1001116748	6	Terminal, Female	
3	4460931	2	Receptacle, Female - 8 Position	
3	4460464	11	Pin, Male	
3	4460466	5	Plug, Terminal	
4	4460894	2	Plug, Male - 6 Position	
4	4460465	10	Socket, Female	
4	4460466	2	Plug, Terminal	
5	4460930	1	Plug, Male - 8 Position	
5	4460465	6	Socket, Female	
5	4460466	2	Plug, Terminal	
6	4460878	1	Plug, Male - 4 Position	
6	4460887	AR	Terminal	
7	4460891	5	Plug, Male - 2 Position	
7	4460465	10	Socket, Female	
8	4460884	1	Plug, Male - 4 Position	
8	4460465	4	Socket, Female	
9	4460874	1	Connector - 35 Position	
9	4460871	22	Socket, Female	
9	4460905	13	Plug, Terminal	
10	1001113961	1	Plug, Male - 8 Position	
10	4460871	5	Socket, Female	
10	4460905	3	Plug, Terminal	
11	4460873	1	Connector - 35 Position	
11	4460871	35	Socket, Female	
11	4460905	10	Plug, Terminal	
12	1001103012	1	Plug, Male - 4 Position	
12	1001107854	2	Socket, Female	
12	1001196589	2	Terminal	
12	1001116763	AR	Seal, Red	
12	1001104498	4	Seal, Yellow	
13	1001119032	1	Receptacle, Female - 4 Position	
13	1001118378	4	Pin, Male	
14	1001237667	1	Plug, Male - 6 Position	
14	1001237668	5	Terminal	
15	4460042	2	Terminal, Fork	
16	4460183	2	Terminal, Fork	
17	1001196602	1	Fuse Box Assembly	
17	8220098	AR	Terminal	
17	1001116725	6	Terminal	
17	8220097	18	Terminal	
17	4460748	10	Plug, Terminal	
17	4460458	AR	Seal	
17	80963067	6	Seal (for 1001116725 Terminal)	
17	1001196636	2	Connector with Diode	
17	8229244	3	Fuse 15Amp	
17	8229242	6	Fuse 5Amp	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	1001196634	2	Fuse - 2 Amp	
17	1001095704	2	Relay 35Amp	
18	4460313	1	Terminal, Fork	
19	4460260	2	Housing, Terminal	
19	4460259	2	Terminal	
20	1001117106	1	Terminal, Ring	
21	1001187078	2	Terminal, Ring	
22	1001117110	2	Terminal, Ring	
23	4460899	2	Connector - 6 Position	
23	4460464	7	Pin, Male	
23	4460466	5	Plug, Terminal	
24	1001187077	3	Terminal, Ring	
25	4460866	1	Connector - 19 Position	
25	4460464	6	Pin, Male	
25	4460508	2	Pin, Male	
25	4460466	11	Plug, Terminal	
26	1001112612	1	Connector - 9 Position	
26	4460464	5	Pin, Male	
26	4460466	4	Plug, Terminal	
27	4460933	2	Plug, Male - 12 Position	
27	4460465	16	Socket, Female	
27	4460466	8	Plug, Terminal	
27	1001119020	2	Bussbar - 12 Position	
28	4460424	1	Plug, Male - 2 Position	
28	4460226	2	Socket, Female	
29	8220045	1	Terminal, Ring	
30	4460702	1	Terminal, Ring	
31	4460703	1	Terminal, Ring	
32	4460742	2	Plug, Male - 2 Position	
32	4460743	1	Socket, Female	
32	4460458	4	Seal	
102	1001192401	1	Cap, Dust	
104	1001125677	2	Bussbar - 12 Position	
105	1001196604	1	Cover, Fuse Box	
106	1001190921	1	Seal, Cover	

FIGURE 8-70. VALVE HARNESS

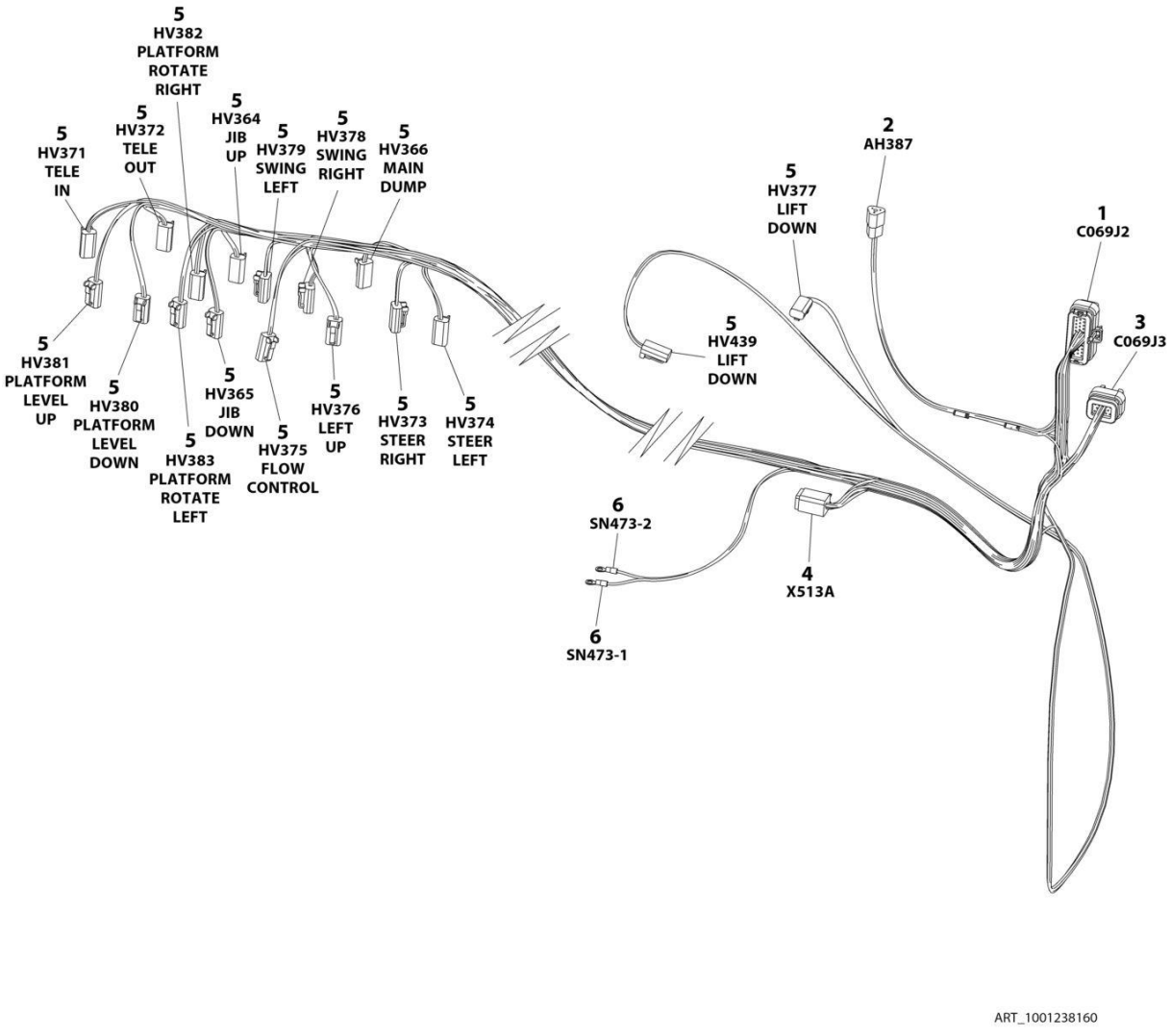


FIGURE 8-70. VALVE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238160	Ref	VALVE HARNESS - MAIN VALVE	C
1	4460875	1	Connector - 35 Position	
1	4460871	27	Socket, Female	
1	4460905	8	Plug, Terminal	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	
3	4460872	1	Connector - 14 Position	
3	4460871	8	Socket, Female	
3	4460905	6	Plug, Terminal	
4	4460894	1	Plug, Male - 6 Position	
4	4460465	5	Socket, Female	
4	4460466	1	Plug, Terminal	
5	4460891	17	Plug, Male - 2 Position	
5	4460465	34	Socket, Female	
6	4460313	2	Terminal, Ring	

SECTION 9 - DECALS

SECTION 9 - DECALS

FIGURE 9-1. DECAL INSTALLATION - ANSI SPECS (DIESEL MACHINES) (Prior to SN 0300276767, Prior to SN E300008595)

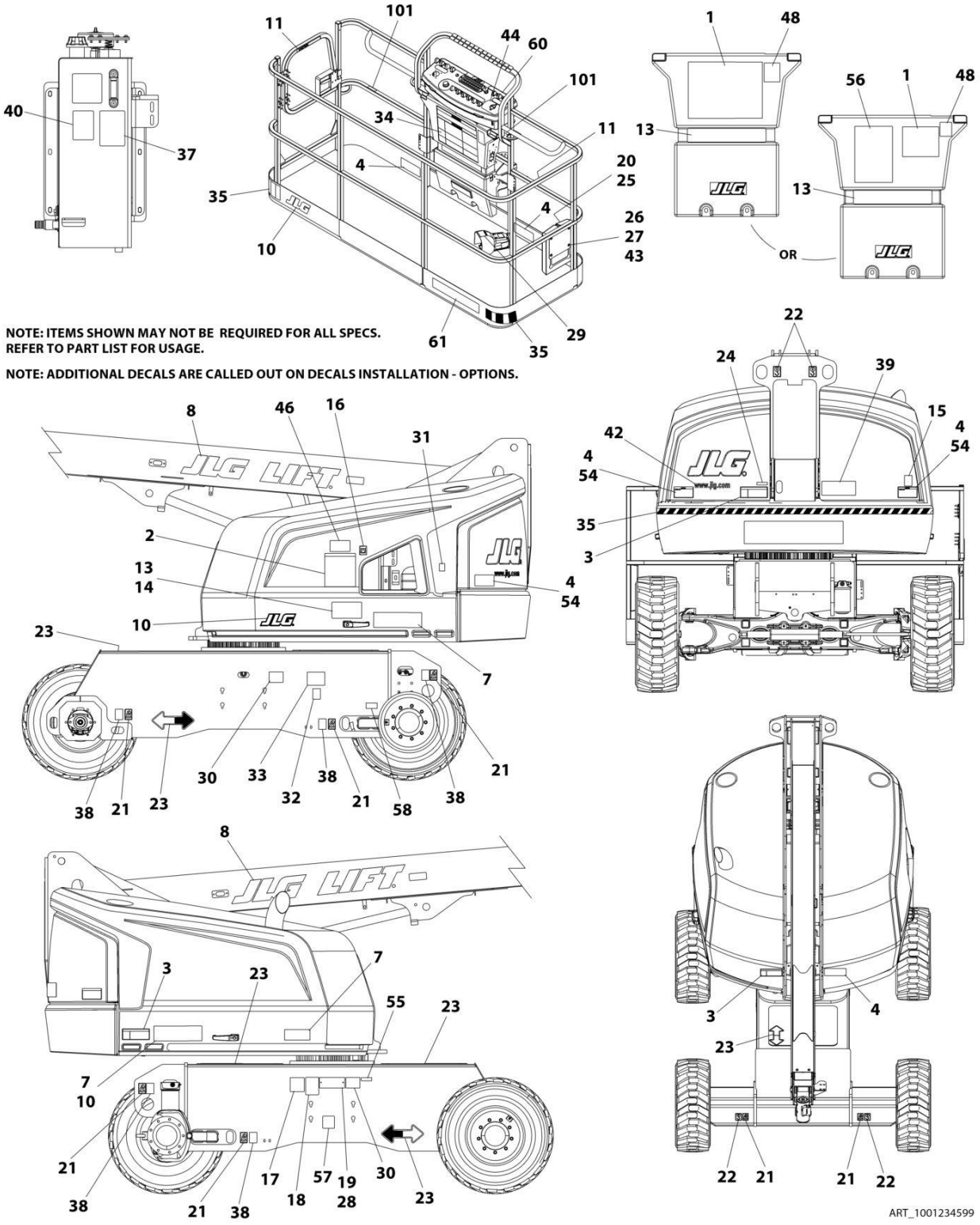


FIGURE 9-1. DECAL INSTALLATION - ANSI SPECS (DIESEL MACHINES) (Prior to SN 0300276767, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234599	Ref	DECAL INSTALLATION - ANSI SPECS (ENGLISH LANGUAGE)	C
1	1703797	1	Decal - Danger/Warning	
2	1703798	1	Decal - Danger/Warning	
3	1703805	3	Decal - Danger Electrocution	
4	1703804	3	Decal - Warning Crushing	
11	1702868	2	Decal - No Hands	
13	1001234425	1	Decal - Warning Tri Cap	
14	1001234426	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	3252347	1	Nameplate - Footswitch	
34	1705514	1	Decal - CSA	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705351	1	Decal - Drive/Steer Instructions	
54	1703953	2	Decal - Warning Crushing	
57	1001223055	1	Decal - Yearly Inspection	
58	1001223453	1	Decal - ICES	
60	1001233961	1	Decal - Stop and Auxillary Power	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-2. DECAL INSTALLATION - ANSI SPECS (DIESEL MACHINES) (SN 0300276767 to Present, SN E300008595 to Present)

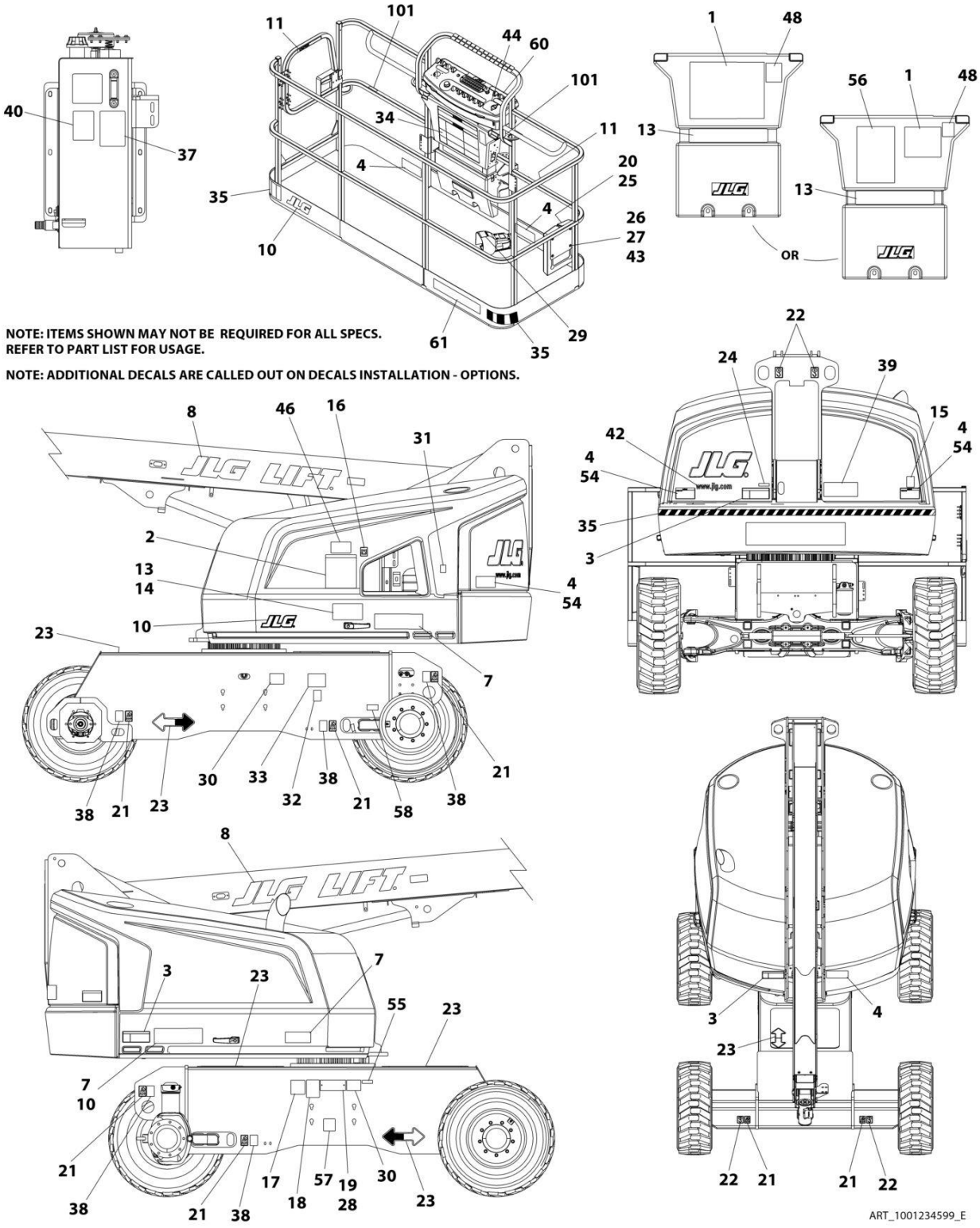


FIGURE 9-2. DECAL INSTALLATION - ANSI SPECS (DIESEL MACHINES) (SN 0300276767 to Present, SN E300008595 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234599	Ref	DECAL INSTALLATION - ANSI SPECS (ENGLISH LANGUAGE)	E
1	1703797	1	Decal - Danger/Warning	
2	1703798	1	Decal - Danger/Warning	
3	1703805	3	Decal - Danger Electrocution	
4	1703804	3	Decal - Warning Crushing	
11	1702868	2	Decal - No Hands	
13	1001234425	1	Decal - Warning Tri Cap	
14	1001234426	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	3252347	1	Nameplate - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705351	1	Decal - Drive/Steer Instructions	
54	1703953	2	Decal - Warning Crushing	
57	1001223055	1	Decal - Yearly Inspection	
58	1001223453	1	Decal - ICES	
60	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-3. DECAL INSTALLATION - ANSI SPECS (GAS MACHINES) (Prior to SN 0300276767, Prior to SN E300008595)

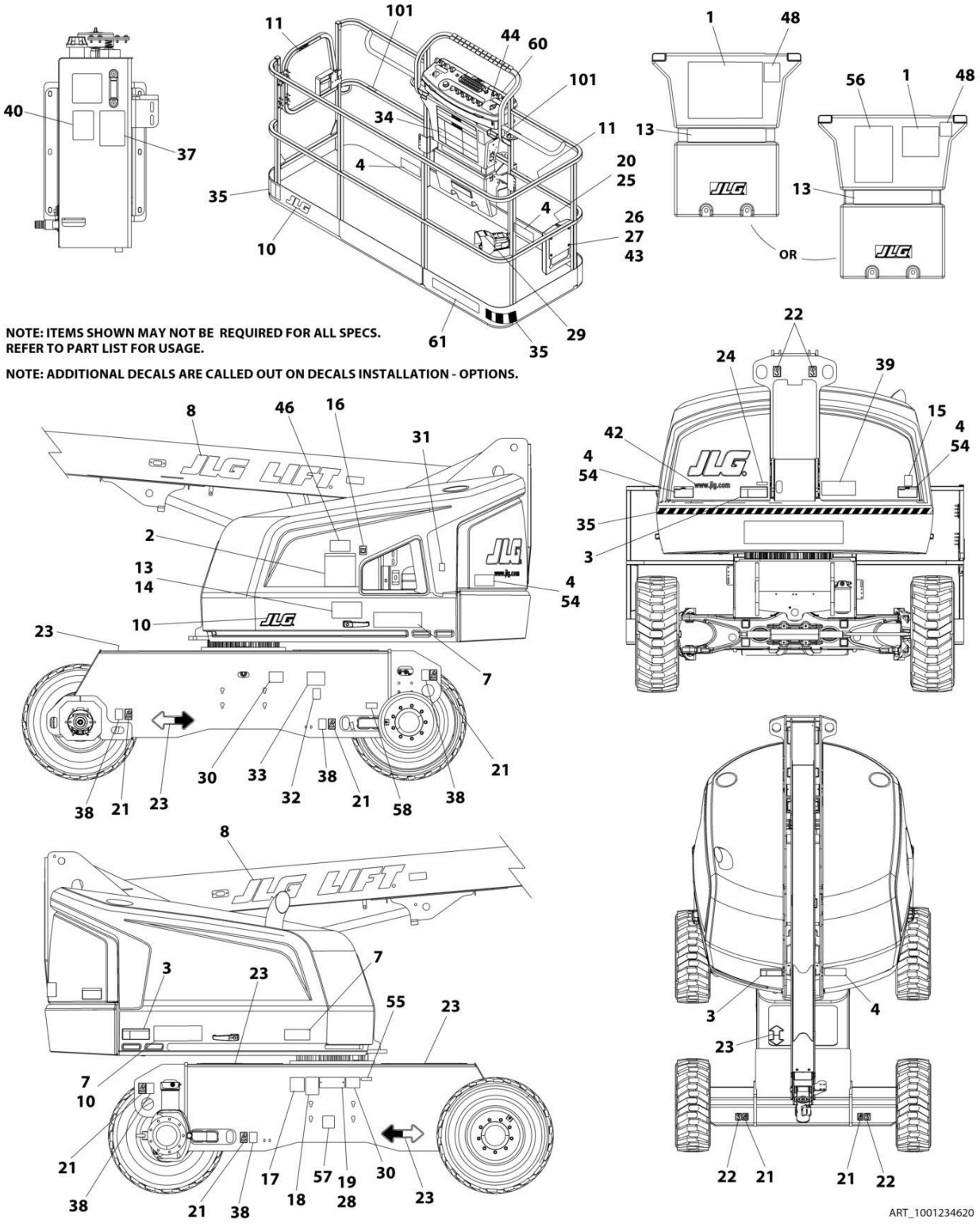


FIGURE 9-3. DECAL INSTALLATION - ANSI SPECS (GAS MACHINES) (Prior to SN 0300276767, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234620	Ref	DECAL INSTALLATION - ANSI SPECS (ENGLISH LANGUAGE)	C
1	1703797	1	Decal - Danger/Warning	
2	1703798	1	Decal - Danger/Warning	
3	1703805	3	Decal - Danger Electrocution	
4	1703804	3	Decal - Warning Crushing	
11	1702868	2	Decal - No Hands	
13	1001234425	1	Decal - Warning Tri Cap	
14	1001234426	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	3252347	1	Nameplate - Footswitch	
34	1705514	1	Decal - CSA	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705351	1	Decal - Drive/Steer Instructions	
54	1703953	2	Decal - Warning Crushing	
57	1001223055	1	Decal - Yearly Inspection	
60	1001233961	1	Decal - Stop and Auxillary Power	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-4. DECAL INSTALLATION - ANSI SPECS (GAS MACHINES) (SN 0300276767 to Present, SN E300008595 to Present)

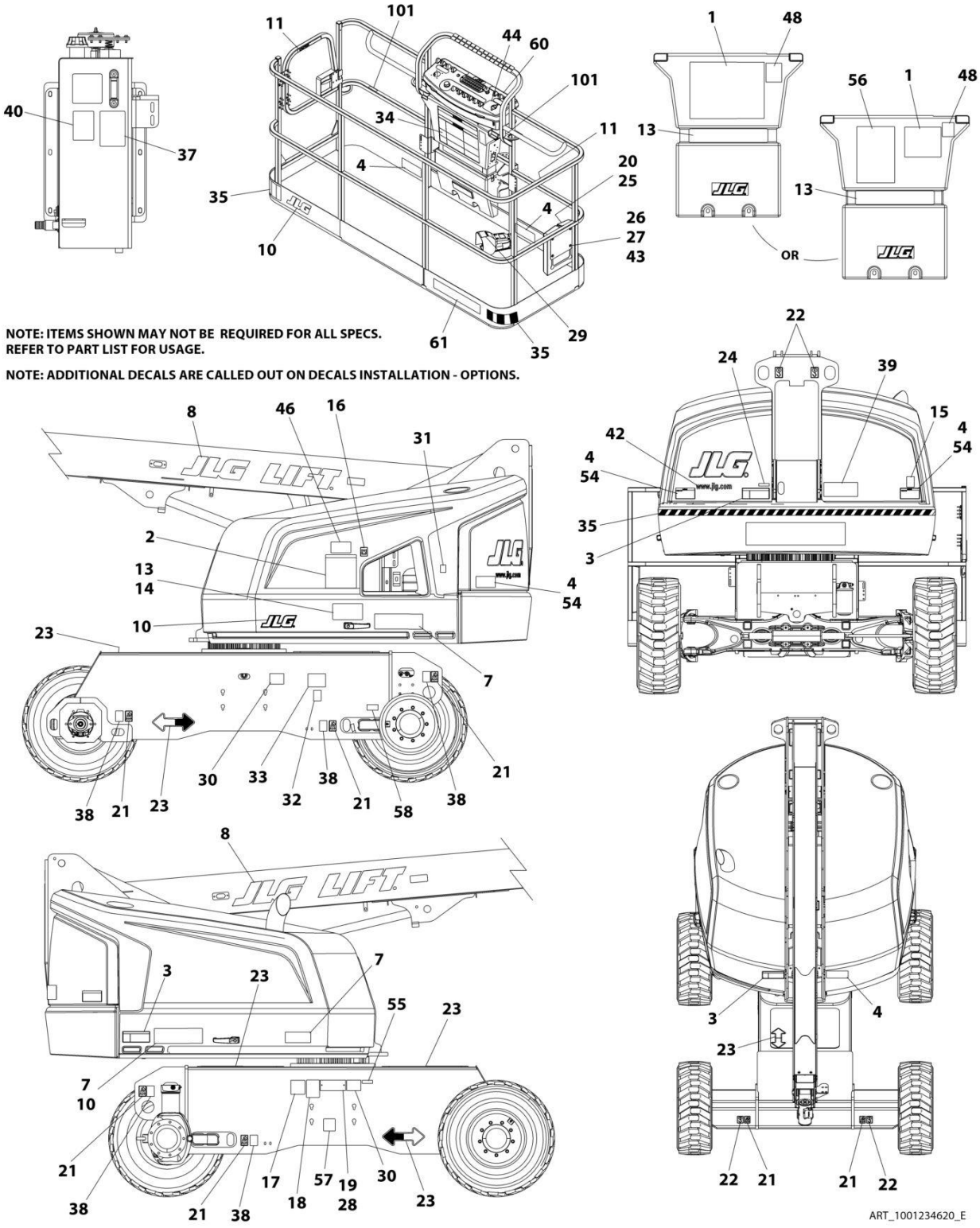


FIGURE 9-4. DECAL INSTALLATION - ANSI SPECS (GAS MACHINES) (SN 0300276767 to Present, SN E300008595 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234620	Ref	DECAL INSTALLATION - ANSI SPECS (ENGLISH LANGUAGE)	E
1	1703797	1	Decal - Danger/Warning	
2	1703798	1	Decal - Danger/Warning	
3	1703805	3	Decal - Danger Electrocution	
4	1703804	3	Decal - Warning Crushing	
11	1702868	2	Decal - No Hands	
13	1001234425	1	Decal - Warning Tri Cap	
14	1001234426	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	3252347	1	Nameplate - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705351	1	Decal - Drive/Steer Instructions	
54	1703953	2	Decal - Warning Crushing	
57	1001223055	1	Decal - Yearly Inspection	
60	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-5. DECAL INSTALLATION - AUSTRALIAN SPECS (Prior to SN 0300276767, Prior to SN E300008595)

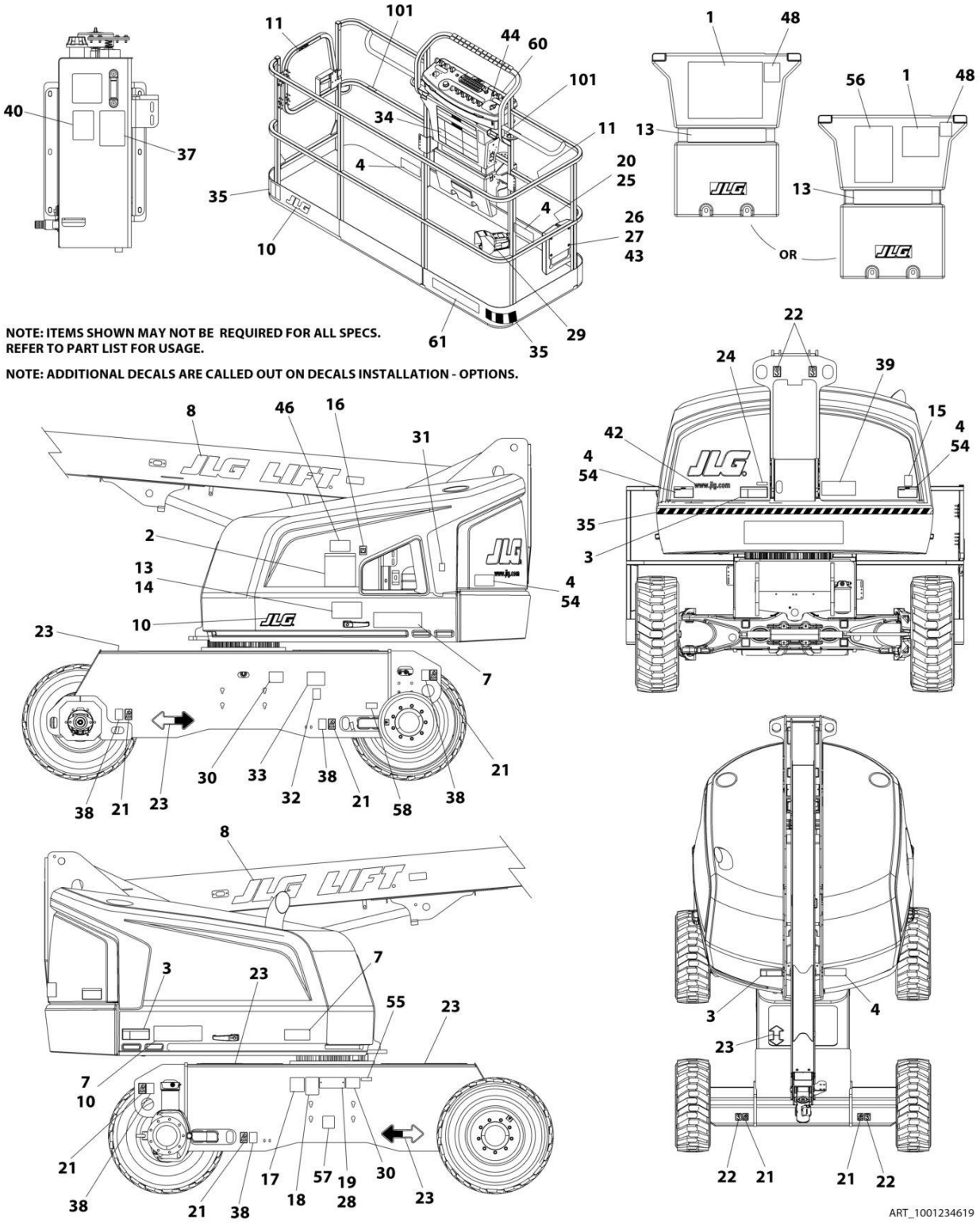


FIGURE 9-5. DECAL INSTALLATION - AUSTRALIAN SPECS (Prior to SN 0300276767, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234619	Ref	DECAL INSTALLATION - AUSTRALIAN SPECS (ENGLISH LANGUAGE)	D
1	1705921	1	Decal - Tipping/Electrocution	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	3	Decal - Electrocution	
4	1701518	5	Decal - Crushing	
13	1001234439	2	Decal - Warning Tri Cap	
15	1001204510	1	Decal - Sound Power Level	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1705828	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
46	1001112551	1	Decal - Emergency Controls	
59	1001235088	1	Decal - Stop and Auxiliary Power	
100	1001232026	1	Decal - Platform Lanyard Kit (Not Shown)	
101	1704277	3	Decal - Attach Lanyard	

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FIGURE 9-6. DECAL INSTALLATION - AUSTRALIAN SPECS (SN 0300276767 to Present, SN E300008595 to Present)

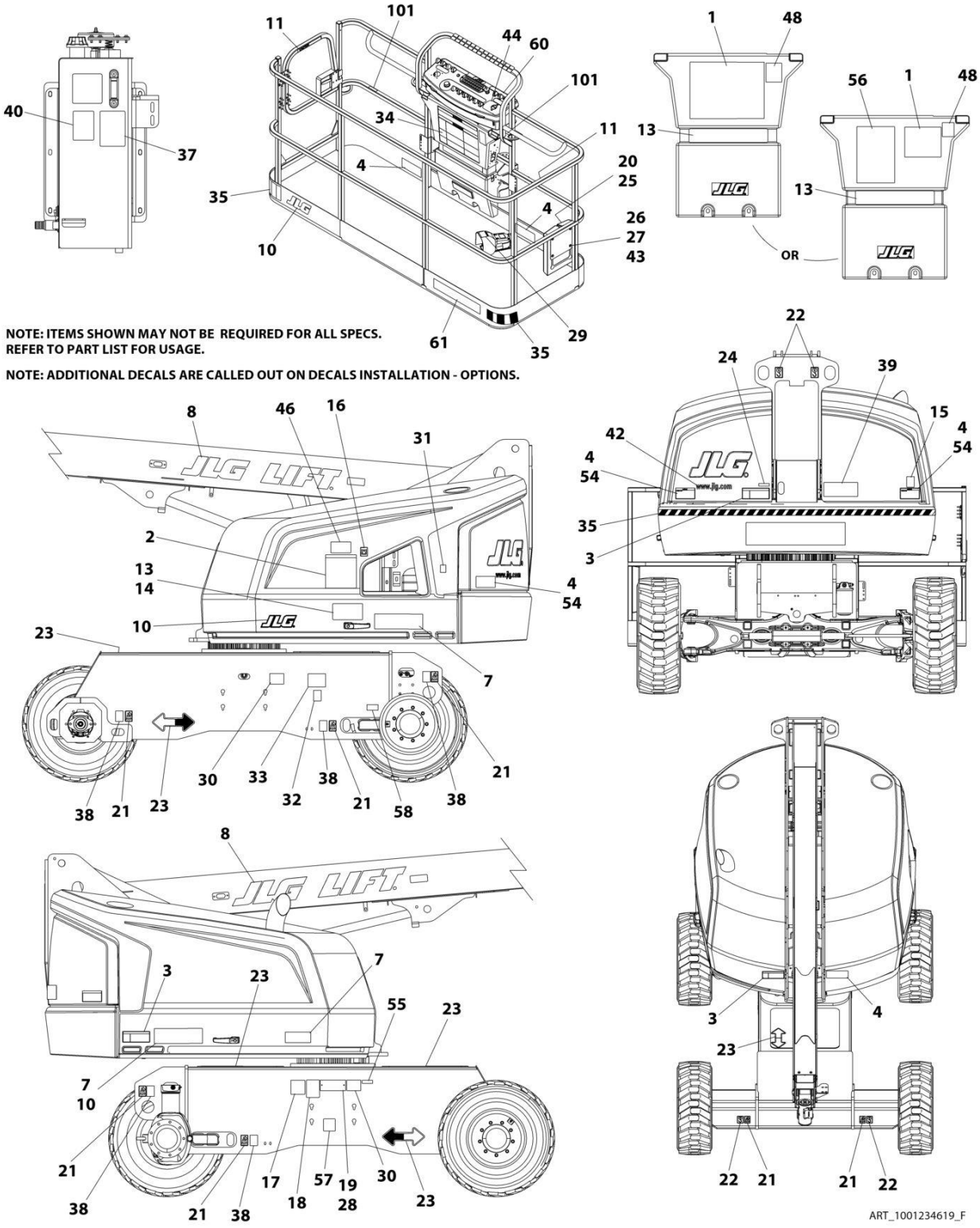


FIGURE 9-6. DECAL INSTALLATION - AUSTRALIAN SPECS (SN 0300276767 to Present, SN E300008595 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234619	Ref	DECAL INSTALLATION - AUSTRALIAN SPECS (ENGLISH LANGUAGE)	F
1	1705921	1	Decal - Tipping/Electrocution	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	3	Decal - Electrocution	
4	1701518	5	Decal - Crushing	
13	1001234439	2	Decal - Warning Tri Cap	
15	1001204510	1	Decal - Sound Power Level	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1705828	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
46	1001112551	1	Decal - Emergency Controls	
59	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Platform Lanyard Kit (Not Shown)	
101	1704277	3	Decal - Attach Lanyard	

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FIGURE 9-7. DECAL INSTALLATION - BRAZIL SPECS (Prior to SN 0300276767, Prior to SN E300008595)

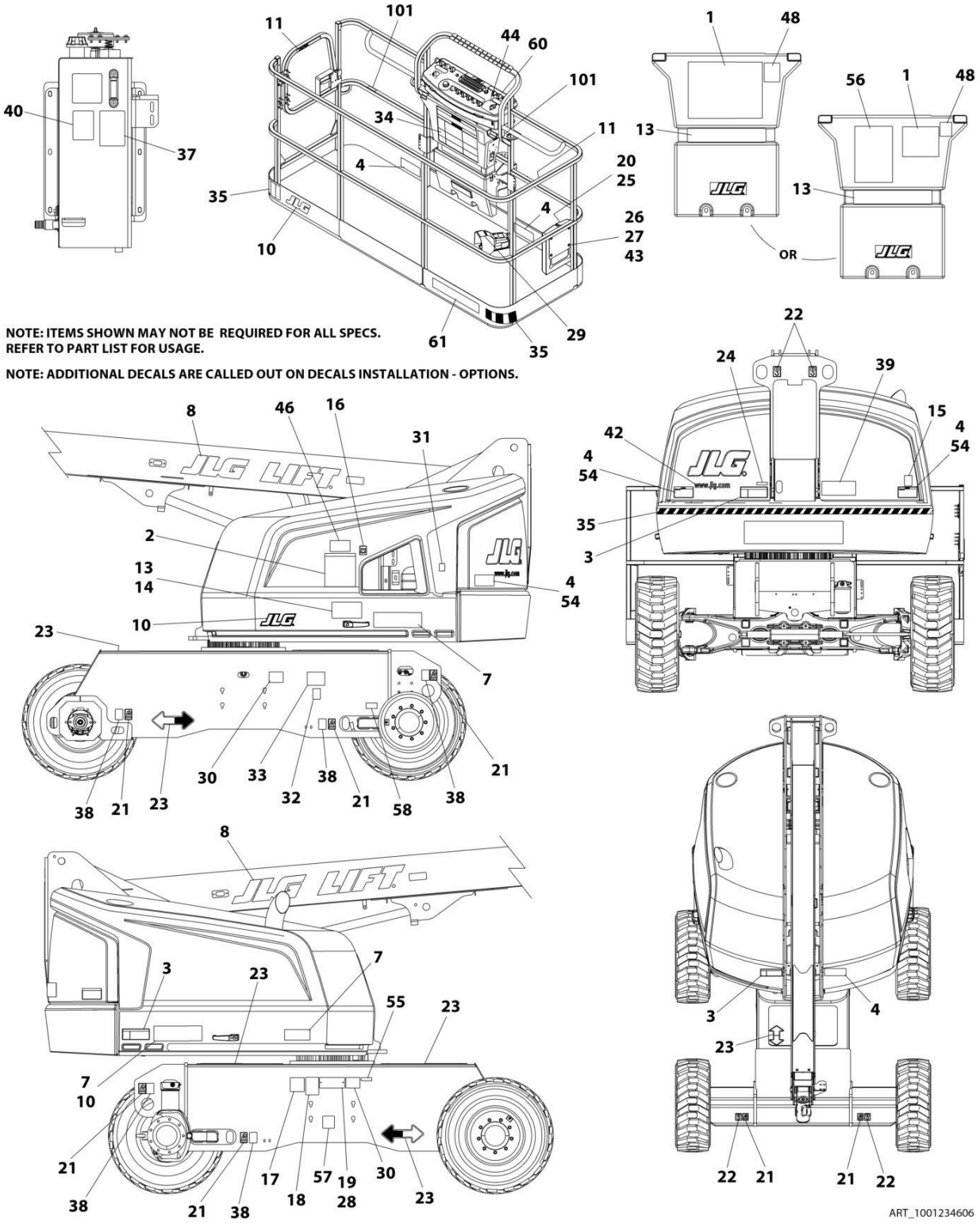


FIGURE 9-7. DECAL INSTALLATION - BRAZIL SPECS (Prior to SN 0300276767, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234606	Ref	DECAL INSTALLATION - BRAZIL SPECS (PORTUGUESE/SPANISH LANGUAGES)	C
1	1703928	1	Decal - Danger/Warning	
2	1703934	1	Decal - Danger/Warning	
3	1703940	3	Decal - Electrocution	
4	1703952	3	Decal - Crushing	
11	1704002	2	Decal - No Hands	
13	1001234437	1	Decal - Warning Tri Cap	
14	1001234438	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703985	1	Decal - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705905	1	Decal - Drive/Steer Instruction	
54	1705903	2	Decal - Warning Crushing	
57	1001224052	1	Decal - Yearly Inspection (Not Shown)	
60	1001233961	1	Decal - Stop and Auxillary Power	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-8. DECAL INSTALLATION - BRAZIL SPECS (SN 0300276767 through 0300278924, Prior to SN E300008595)

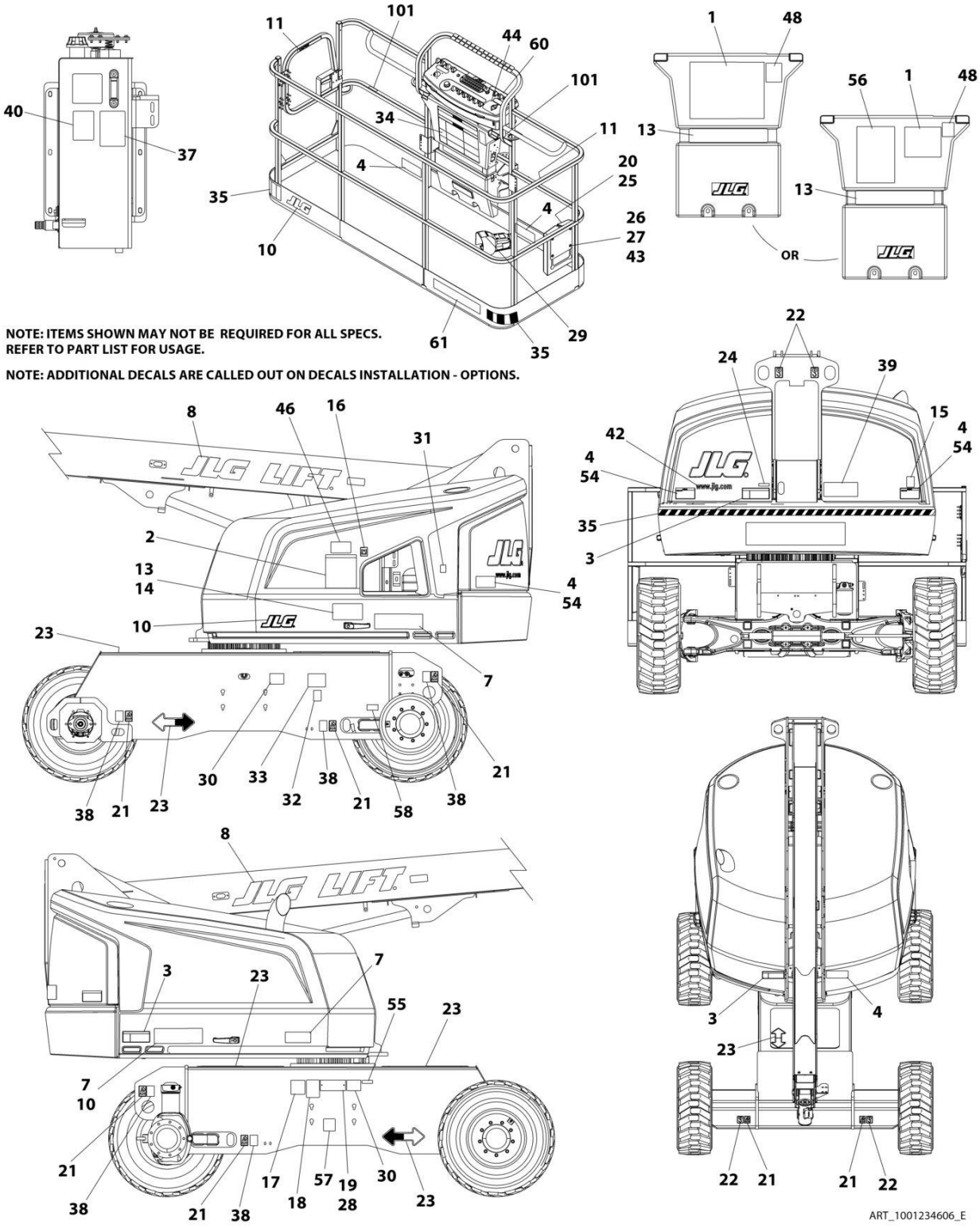


FIGURE 9-8. DECAL INSTALLATION - BRAZIL SPECS (SN 0300276767 through 0300278924, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234606	Ref	DECAL INSTALLATION - BRAZIL SPECS (PORTUGUESE/SPANISH LANGUAGES)	E
1	1703928	1	Decal - Danger/Warning	
2	1703934	1	Decal - Danger/Warning	
3	1703940	3	Decal - Electrocution	
4	1703952	3	Decal - Crushing	
11	1704002	2	Decal - No Hands	
13	1001234437	1	Decal - Warning Tri Cap	
14	1001234438	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703985	1	Decal - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705905	1	Decal - Drive/Steer Instruction	
54	1705903	2	Decal - Warning Crushing	
57	1001224052	1	Decal - Yearly Inspection (Not Shown)	
60	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-9. DECAL INSTALLATION - BRAZIL SPECS (SN 0300278925 to Present, Including E300008843)

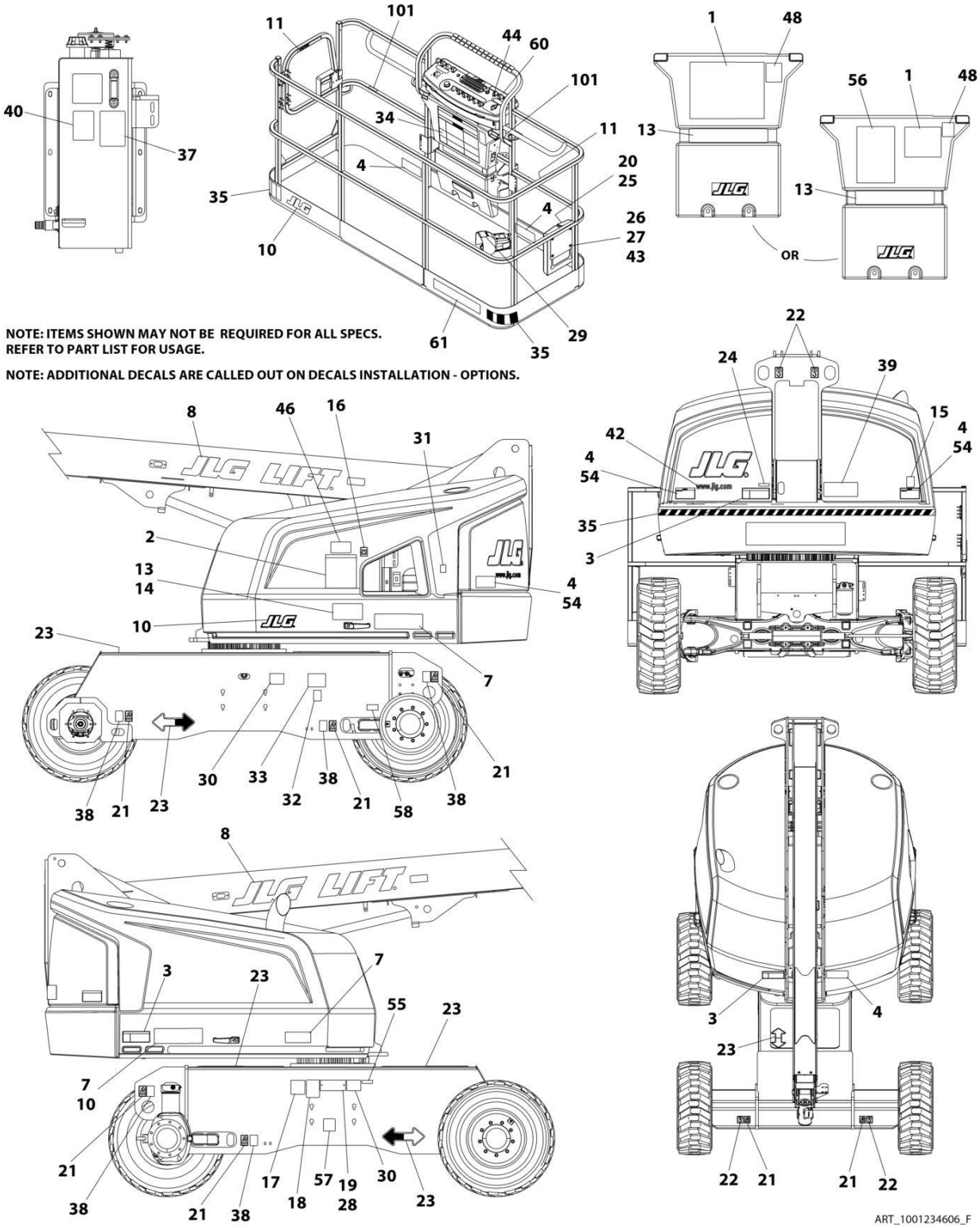


FIGURE 9-9. DECAL INSTALLATION - BRAZIL SPECS (SN 0300278925 to Present, Including E300008843)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234606	Ref	DECAL INSTALLATION - BRAZIL SPECS (PORTUGUESE/SPANISH LANGUAGES)	F
1	1703928	1	Decal - Danger/Warning	
2	1703934	1	Decal - Danger/Warning	
3	1703940	3	Decal - Electrocution	
4	1703952	3	Decal - Crushing	
11	1704002	2	Decal - No Hands	
13	1001234437	1	Decal - Warning Tri Cap	
14	1001234438	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703985	1	Decal - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1001113680	1	Decal - Drive/Steer Instruction	
54	1703946	2	Decal - Warning Crushing	
57	1001224052	1	Decal - Yearly Inspection (Not Shown)	
60	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-10. DECAL INSTALLATION - CE SPECS (Prior to SN 0300276767, Prior to SN E300008595)

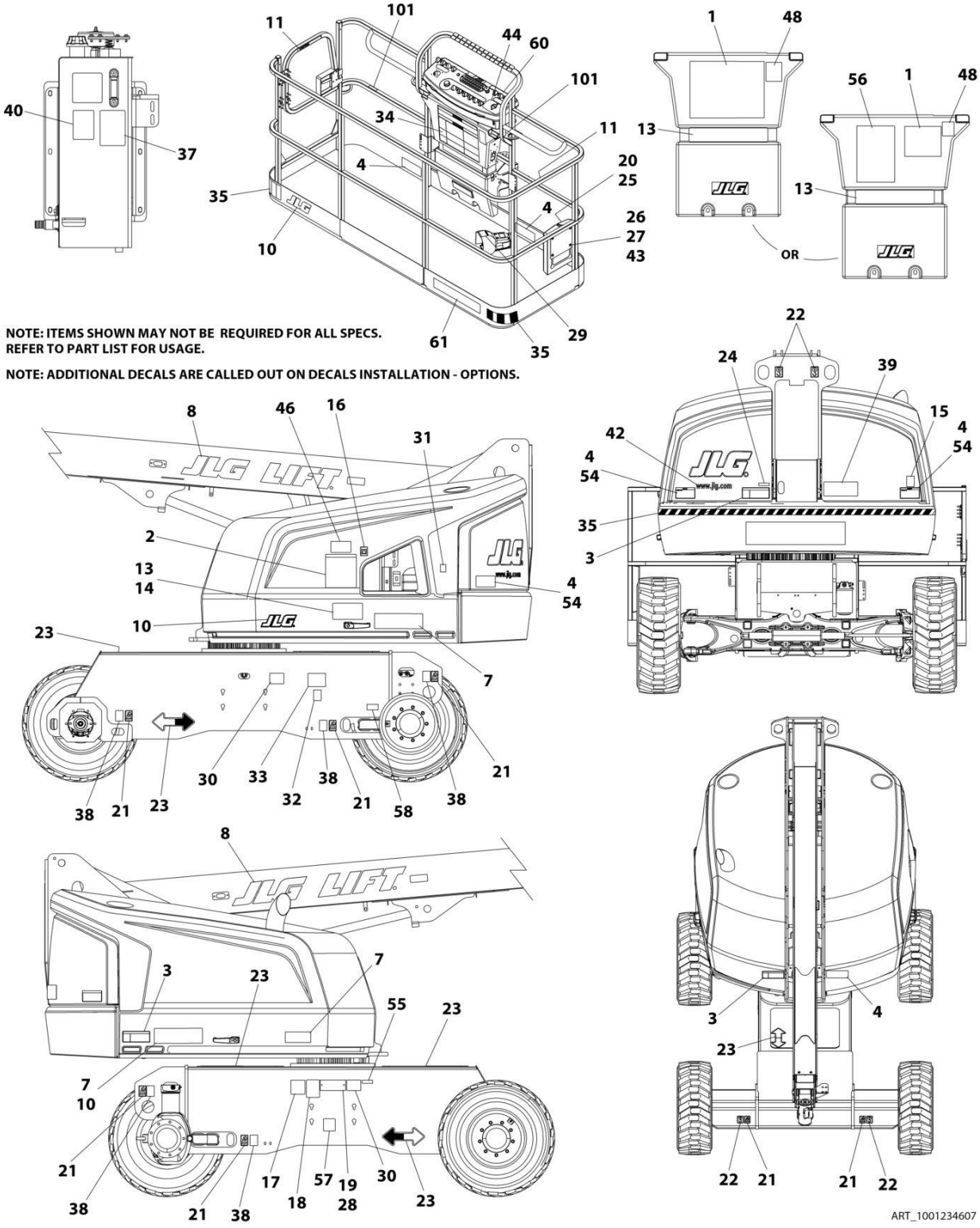


FIGURE 9-10. DECAL INSTALLATION - CE SPECS (Prior to SN 0300276767, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234607	Ref	DECAL INSTALLATION - CE SPECS (ENGLISH LANGUAGE)	D
1	1705921	1	Decal - Tipping/Electrocution	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	3	Decal - Electrocution	
4	1701518	5	Decal - Crushing	
13	1001234439	2	Decal - Warning Tri Cap	
15	1001204510	1	Decal - Sound Power Level	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1705828	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
46	1001197408	1	Decal - MSSO Operation	
60	1001235088	1	Decal - Stop and Auxiliary Power	
100	1001232026	1	Decal - Platform Lanyard Kit (Not Shown)	
101	1704277	3	Decal - Attach Lanyard	

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FIGURE 9-11. DECAL INSTALLATION - CE SPECS (SN 0300276767 to Present, SN E300008595 to Present)

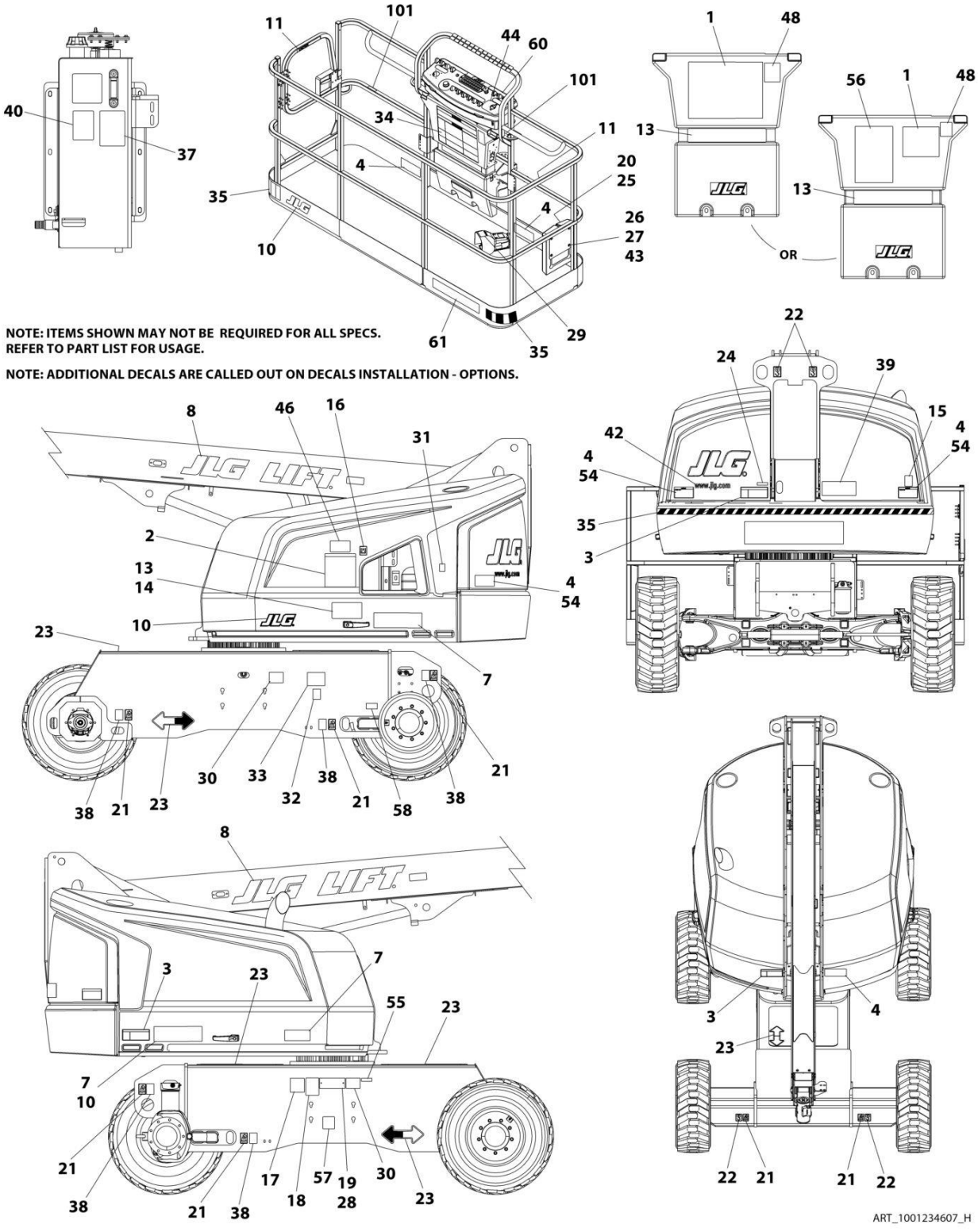


FIGURE 9-11. DECAL INSTALLATION - CE SPECS (SN 0300276767 to Present, SN E300008595 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234607	Ref	DECAL INSTALLATION - CE SPECS (ENGLISH LANGUAGE)	H
1	1705921	1	Decal - Tipping/Electrocution	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	3	Decal - Electrocution	
4	1701518	5	Decal - Crushing	
13	1001234439	2	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1705828	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
46	1001197408	1	Decal - MSSO Operation	
60	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Platform Lanyard Kit (Not Shown)	
101	1704277	3	Decal - Attach Lanyard	

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FIGURE 9-12. DECAL INSTALLATION - CHINESE SPECS (Prior to SN 0300276767, Prior to SN E300008595)

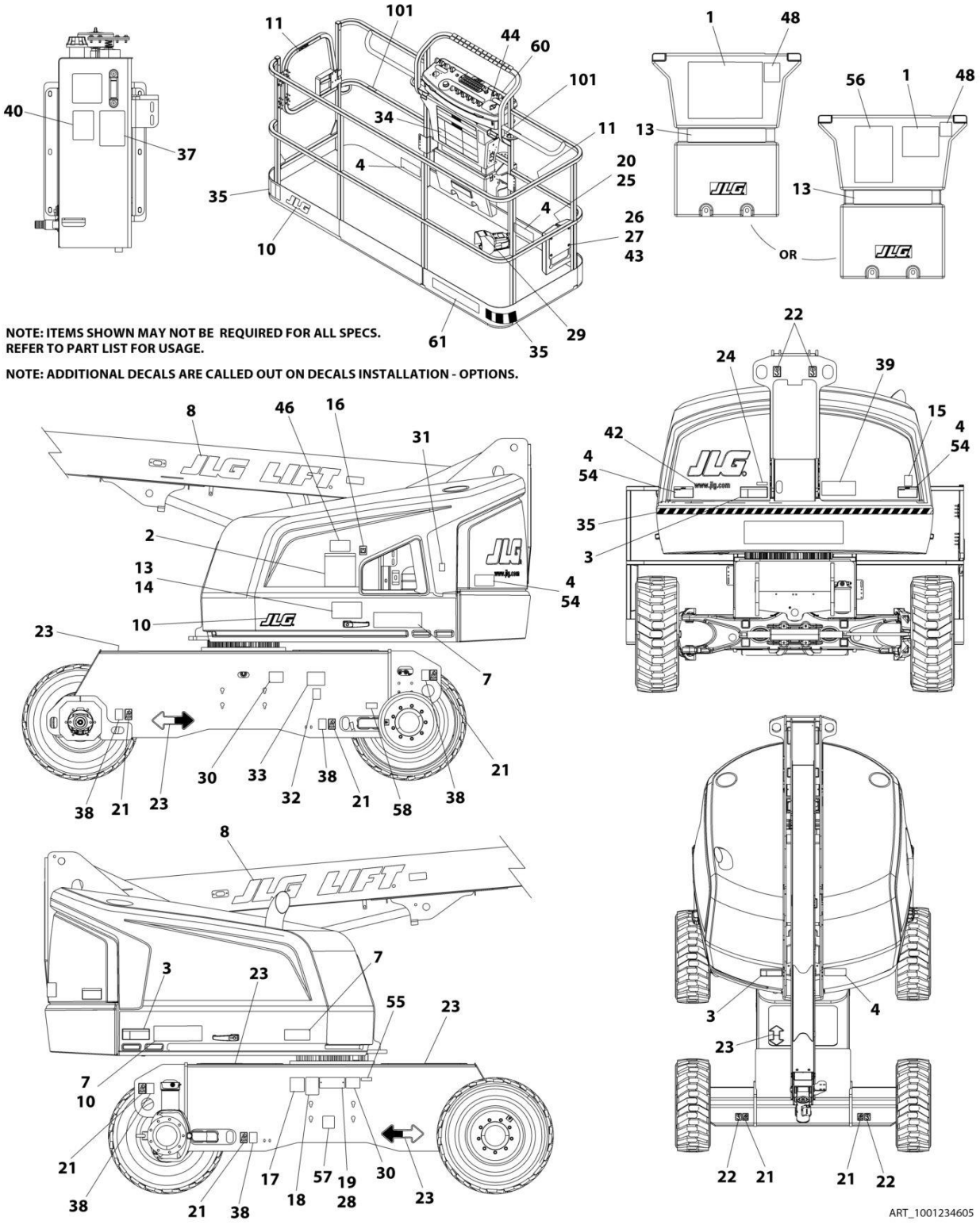


FIGURE 9-12. DECAL INSTALLATION - CHINESE SPECS (Prior to SN 0300276767, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234605	Ref	DECAL INSTALLATION - CHINESE SPECS (CHINESE/ENGLISH LANGUAGES)	C
1	1703925	1	Decal - Danger/Warning	
2	1703931	1	Decal - Danger/Warning	
3	1703937	3	Decal - Electrocution	
4	1703949	3	Decal - Warning Crushing	
13	1001234435	1	Decal - Warning Tri Cap	
14	1001234436	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	1702631	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703982	1	Decal - Post Switch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705430	1	Decal - Drive/Steer Instruction	
54	1703943	2	Decal - Warning Crushing	
60	1001224050	1	Decal - Yearly Inspection (Not Shown)	
60	1001233961	1	Decal - Stop and Auxillary Power	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-13. DECAL INSTALLATION - CHINESE SPECS (SN 0300276767 to Present, SN E300008595 to Present)

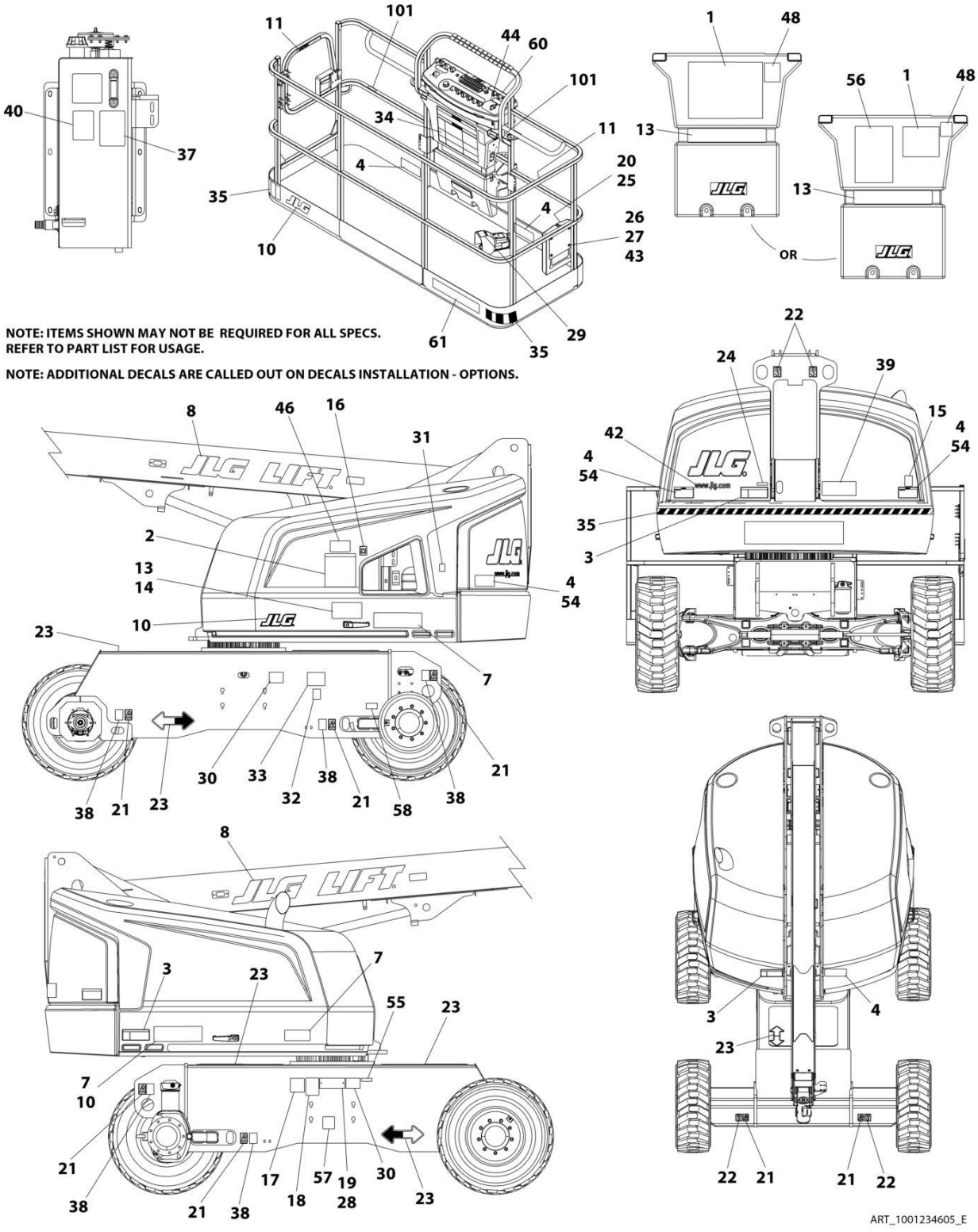


FIGURE 9-13. DECAL INSTALLATION - CHINESE SPECS (SN 0300276767 to Present, SN E300008595 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234605	Ref	DECAL INSTALLATION - CHINESE SPECS (CHINESE/ENGLISH LANGUAGES)	E
1	1703925	1	Decal - Danger/Warning	
2	1703931	1	Decal - Danger/Warning	
3	1703937	3	Decal - Electrocution	
4	1703949	3	Decal - Warning Crushing	
13	1001234435	1	Decal - Warning Tri Cap	
14	1001234436	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	1702631	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703982	1	Decal - Post Switch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705430	1	Decal - Drive/Steer Instruction	
54	1703943	2	Decal - Warning Crushing	
60	1001224050	1	Decal - Yearly Inspection (Not Shown)	
60	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-14. DECAL INSTALLATION - CSA SPECS (DIESEL MACHINES) (Prior to SN 0300276767, Prior to SN E300008595)

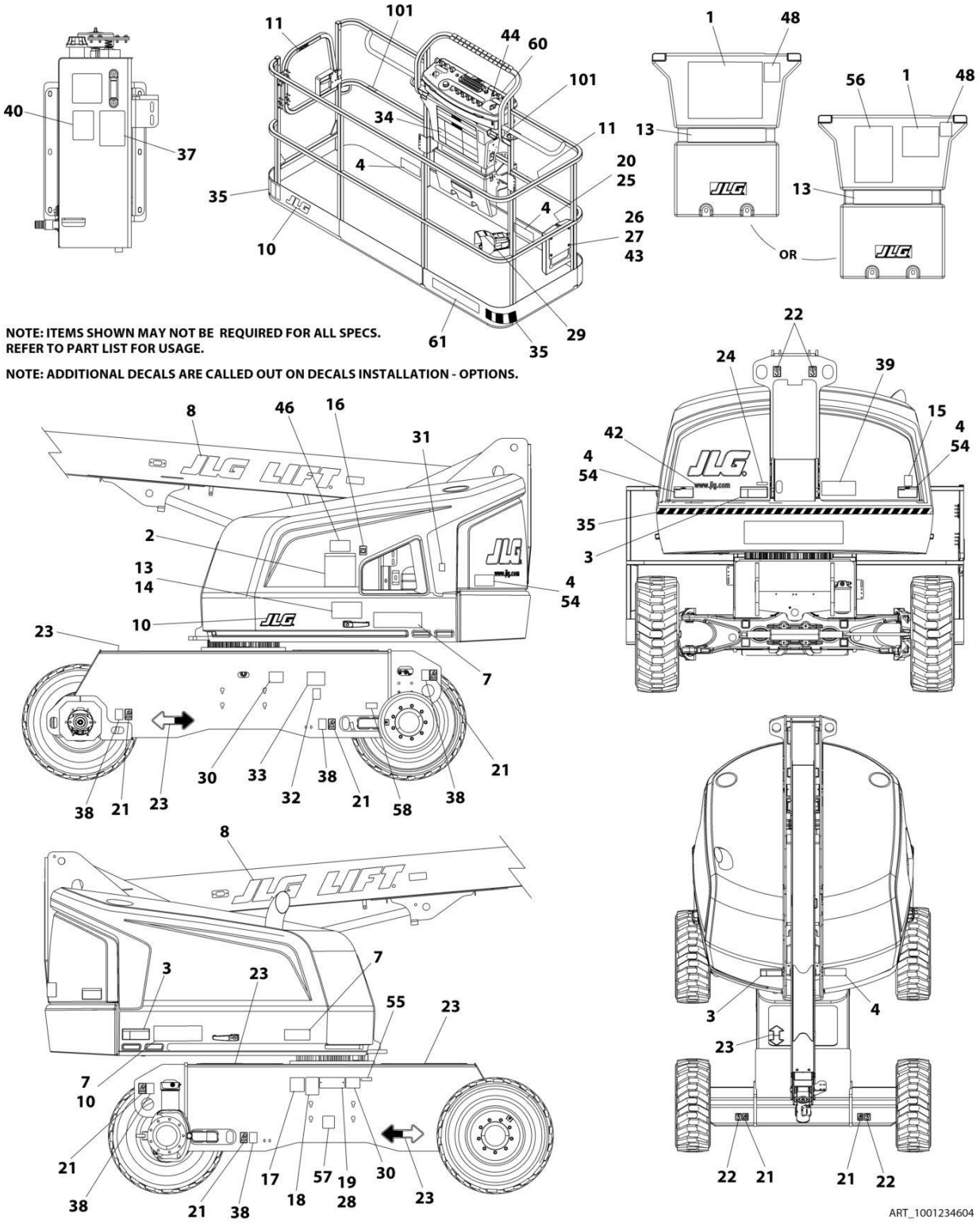


FIGURE 9-14. DECAL INSTALLATION - CSA SPECS (DIESEL MACHINES) (Prior to SN 0300276767, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234604	Ref	DECAL INSTALLATION - CSA SPECS (ENGLISH/FRENCH LANGUAGES)	C
1	1703924	1	Decal - Warning/Danger	
2	1703930	1	Decal - Warning/Danger	
3	1703936	3	Decal - Electrocution	
4	1703948	3	Decal - Warning Crushing	
11	1704000	2	Decal - No Hands	
13	1001234433	1	Decal - Warning Tri Cap	
14	1001234434	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box - Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703984	1	Decal - Footswitch	
34	1705514	1	Decal - CSA	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705429	2	Decal - Drive/Steer Instructions	
54	1703942	1	Decal - Warning Crushing	
57	1001223971	1	Decal - Yearly Inspection	
58	1001223453	1	Decal - ICES	
60	1001233961	1	Decal - Stop & Auxillary Power	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-15. DECAL INSTALLATION - CSA SPECS (DIESEL MACHINES) (SN 0300276767 to Present, SN E300008595 to Present)

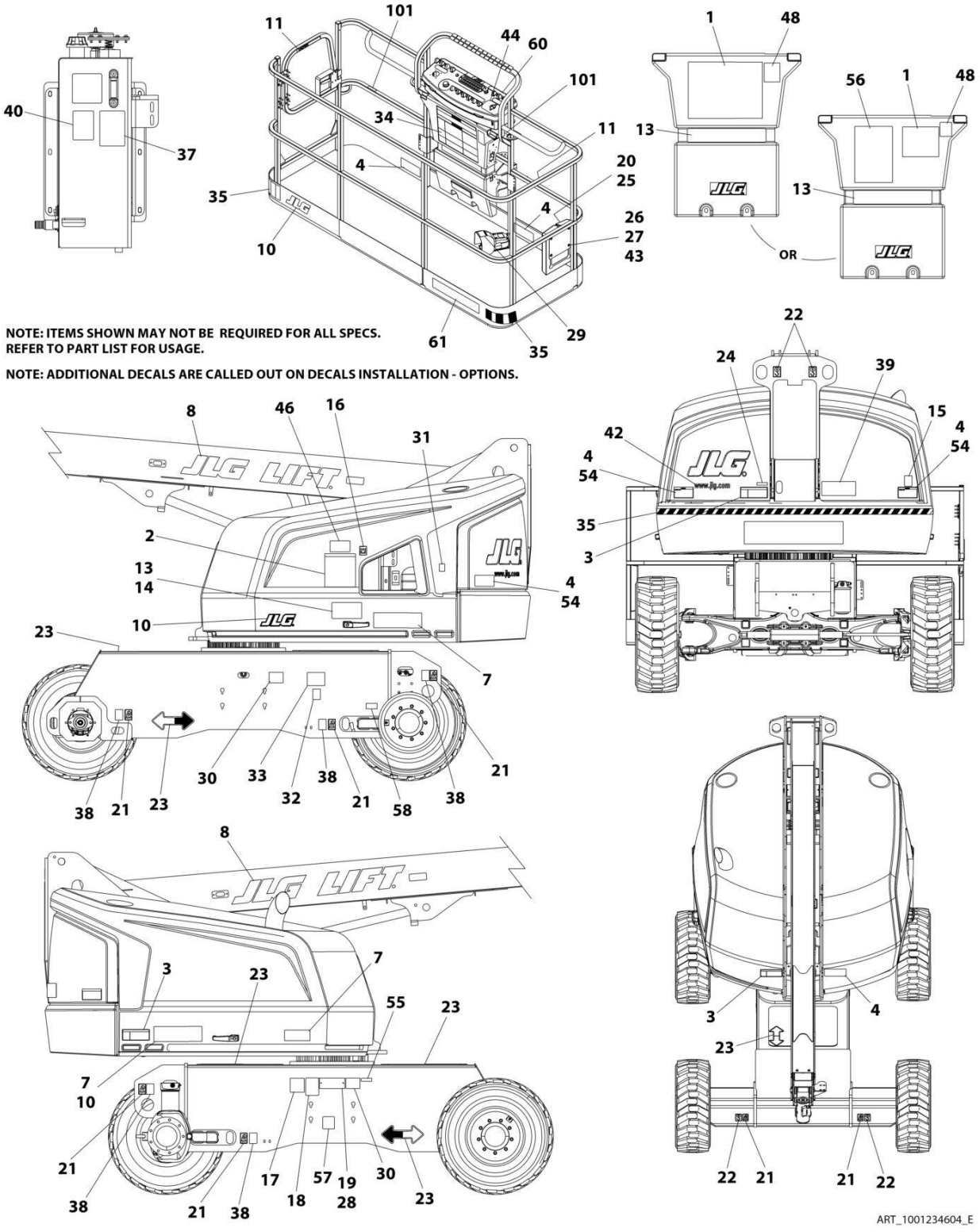


FIGURE 9-15. DECAL INSTALLATION - CSA SPECS (DIESEL MACHINES) (SN 0300276767 to Present, SN E300008595 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234604	Ref	DECAL INSTALLATION - CSA SPECS (ENGLISH/FRENCH LANGUAGES)	E
1	1703924	1	Decal - Warning/Danger	
2	1703930	1	Decal - Warning/Danger	
3	1703936	3	Decal - Electrocution	
4	1703948	3	Decal - Warning Crushing	
11	1704000	2	Decal - No Hands	
13	1001234433	1	Decal - Warning Tri Cap	
14	1001234434	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box - Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703984	1	Decal - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705429	2	Decal - Drive/Steer Instructions	
54	1703942	1	Decal - Warning Crushing	
57	1001223971	1	Decal - Yearly Inspection	
58	1001223453	1	Decal - ICES	
60	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-16. DECAL INSTALLATION - CSA SPECS (GAS MACHINES) (Prior to SN 0300276767, Prior to SN E300008595)

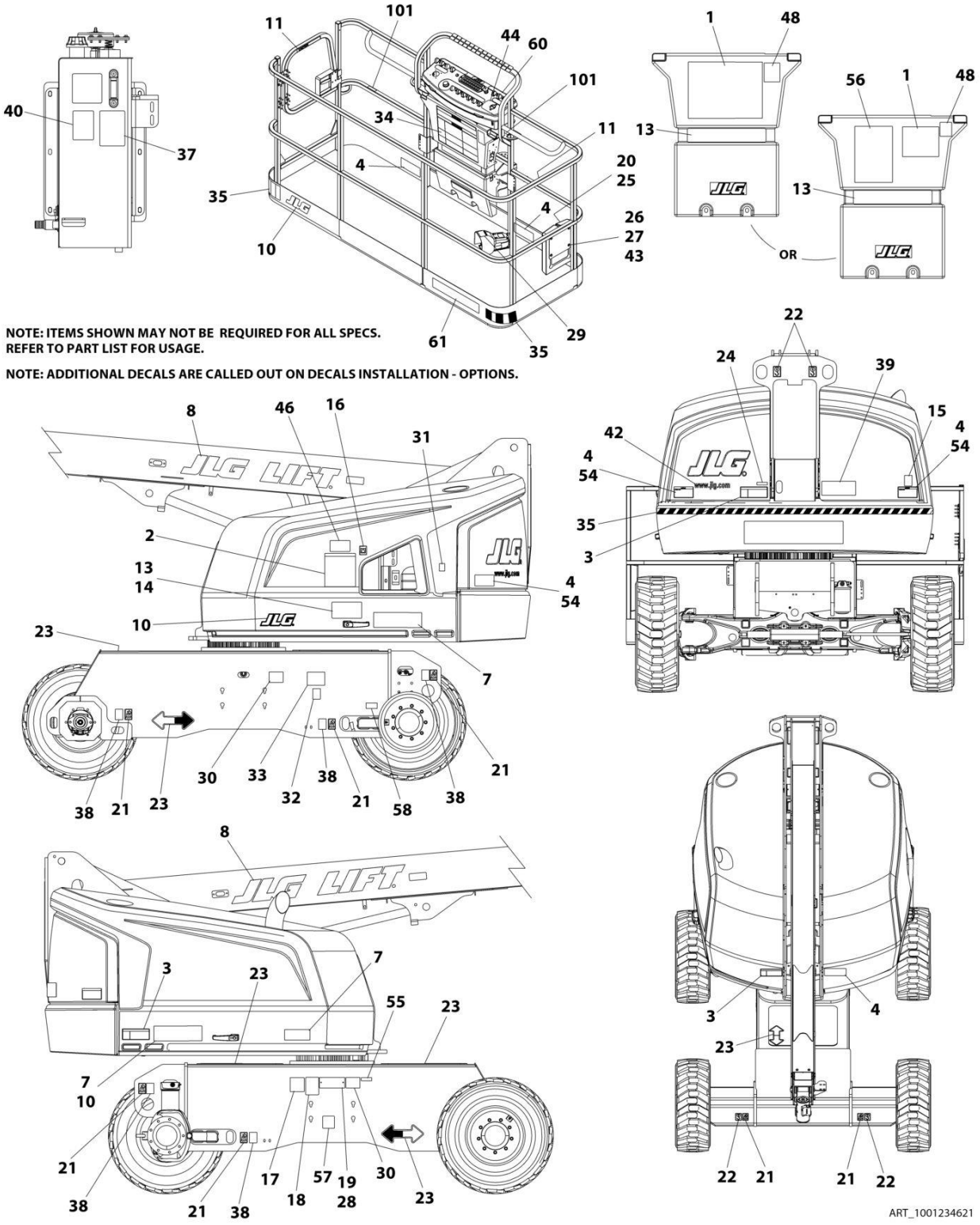


FIGURE 9-16. DECAL INSTALLATION - CSA SPECS (GAS MACHINES) (Prior to SN 0300276767, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234621	Ref	DECAL INSTALLTION - CSA SPECS (ENGLISH/FRENCH LANGUAGE)	C
1	1703924	1	Decal - Warning/Danger	
2	1703930	1	Decal - Warning/Danger	
3	1703936	3	Decal - Electrocution	
4	1703948	3	Decal - Warning Crushing	
11	1704000	2	Decal - No Hands	
13	1001234433	1	Decal - Warning Tri Cap	
14	1001234434	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box - Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703984	1	Decal - Footswitch	
34	1705514	1	Decal - CSA	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705429	2	Decal - Drive/Steer Instructions	
54	1703942	1	Decal - Warning Crushing	
57	1001223971	1	Decal - Yearly Inspection	
60	1001233961	1	Decal - Stop and Auxillary Power	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-17. DECAL INSTALLATION - CSA SPECS (GAS MACHINES) (SN 0300276767 to Present, SN E300008595 to Present)

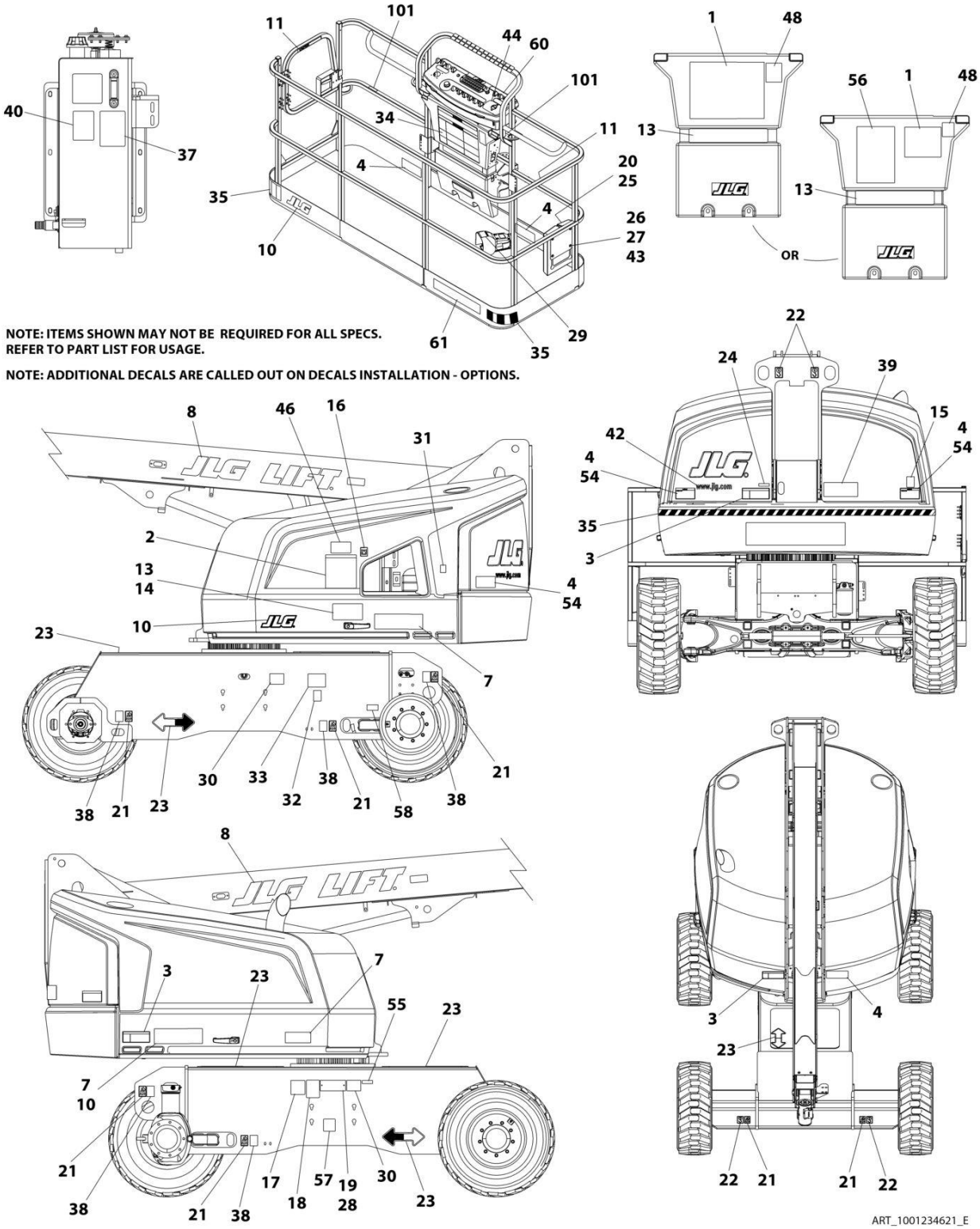


FIGURE 9-17. DECAL INSTALLATION - CSA SPECS (GAS MACHINES) (SN 0300276767 to Present, SN E300008595 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234621	Ref	DECAL INSTALLTION - CSA SPECS (ENGLISH/FRENCH LANGUAGE)	E
1	1703924	1	Decal - Warning/Danger	
2	1703930	1	Decal - Warning/Danger	
3	1703936	3	Decal - Electrocution	
4	1703948	3	Decal - Warning Crushing	
11	1704000	2	Decal - No Hands	
13	1001234433	1	Decal - Warning Tri Cap	
14	1001234434	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box - Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703984	1	Decal - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705429	2	Decal - Drive/Steer Instructions	
54	1703942	1	Decal - Warning Crushing	
57	1001223971	1	Decal - Yearly Inspection	
60	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-18. DECAL INSTALLATION - JAPANESE SPECS (Prior to SN 0300276767, Prior to SN E300008595)

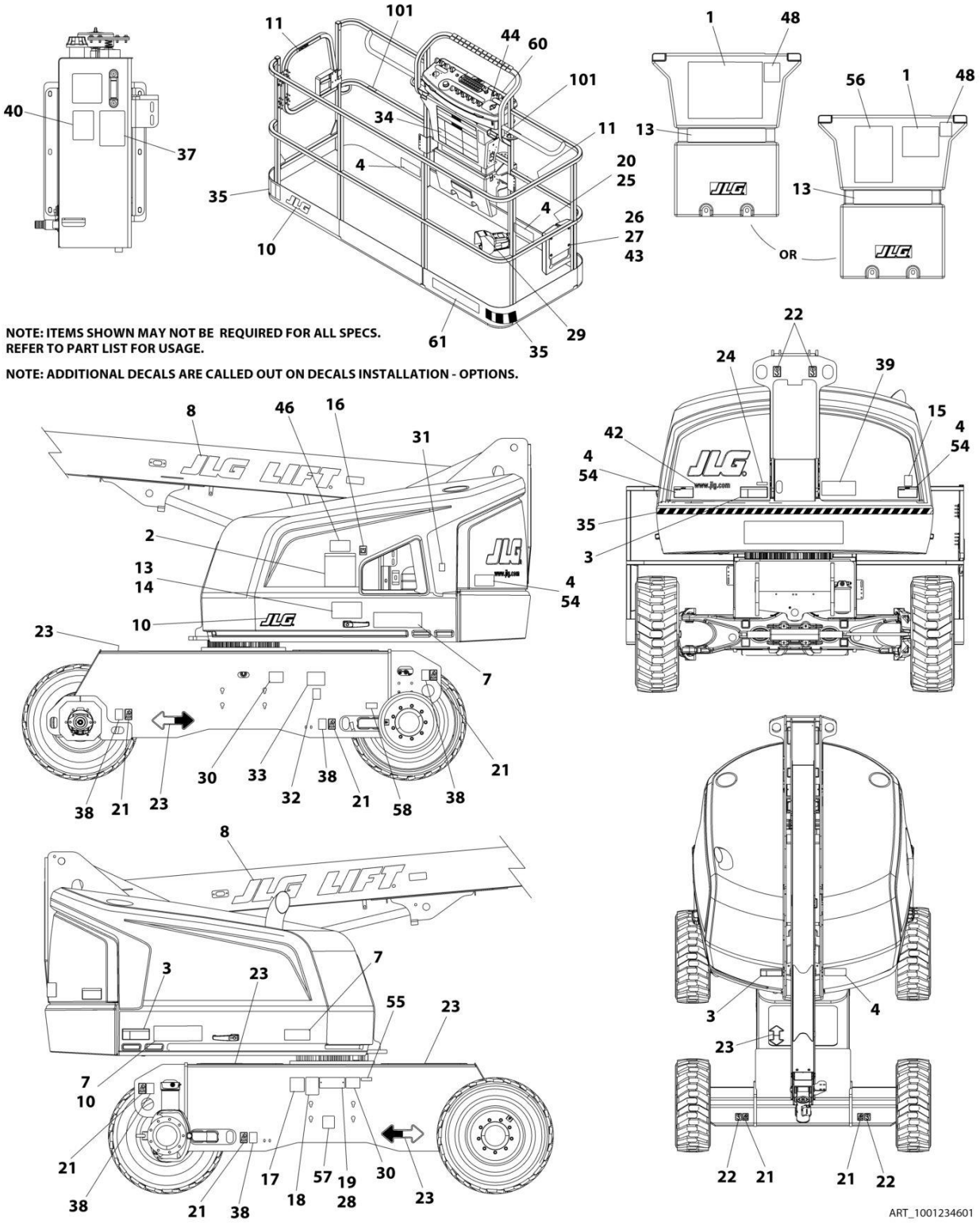


FIGURE 9-18. DECAL INSTALLATION - JAPANESE SPECS (Prior to SN 0300276767, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234601	Ref	DECAL INSTALLATION - JAPANESE SPECS(JAPANESE/ENGLISH LANGUAGES)	C
1	1703926	1	Decal - Warning/Danger	
2	1703932	1	Decal - Warning/Danger	
3	1703938	3	Deccal - Electrocution	
4	1703950	3	Decal - Warning Crushing	
13	1001234428	1	Decal - Warning Tri Cap	
14	1001234429	1	Decal - Warning Dual Cap	
19	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box - Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703980	1	Decal - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705426	1	Decal - Drive/Steer Instructions	
54	1703944	2	Decal - Warning Crushing	
57	1001224053	1	Decal - Yearly Inspection	
60	1001233961	1	Decal - Stop and Auxillary Power	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-19. DECAL INSTALLATION - JAPANESE SPECS (SN 0300276767 to Present, SN E300008595 to Present)

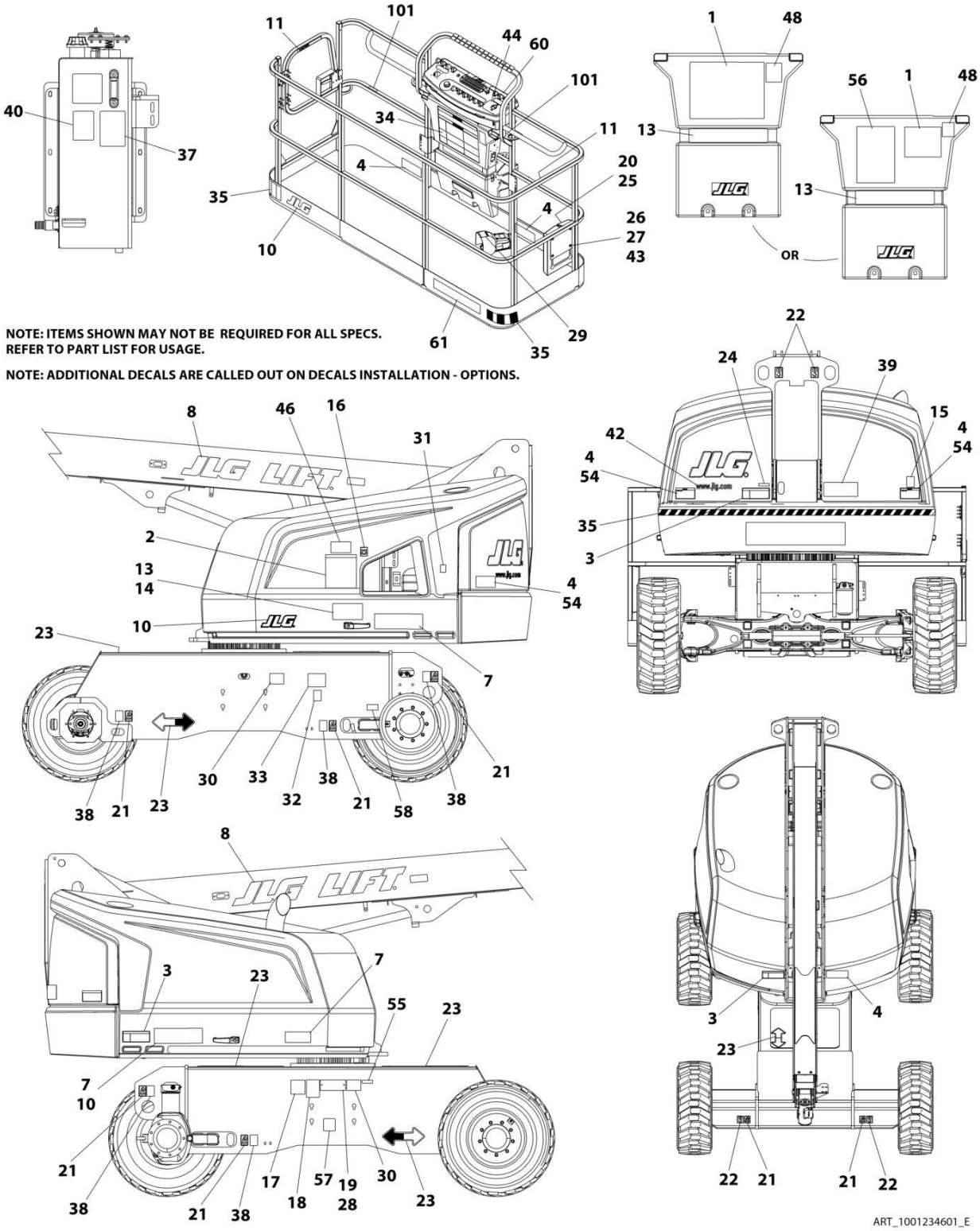


FIGURE 9-19. DECAL INSTALLATION - JAPANESE SPECS (SN 0300276767 to Present, SN E300008595 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234601	Ref	DECAL INSTALLATION - JAPANESE SPECS(JAPANESE/ENGLISH LANGUAGES)	E
1	1703926	1	Decal - Warning/Danger	
2	1703932	1	Decal - Warning/Danger	
3	1703938	3	Deccal - Electrocution	
4	1703950	3	Decal - Warning Crushing	
13	1001234428	1	Decal - Warning Tri Cap	
14	1001234429	1	Decal - Warning Dual Cap	
19	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box - Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703980	1	Decal - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705426	1	Decal - Drive/Steer Instructions	
54	1703944	2	Decal - Warning Crushing	
57	1001224053	1	Decal - Yearly Inspection	
60	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-20. DECAL INSTALLATION - KOREAN SPECS (Prior to SN 0300276767, Prior to SN E300008595)

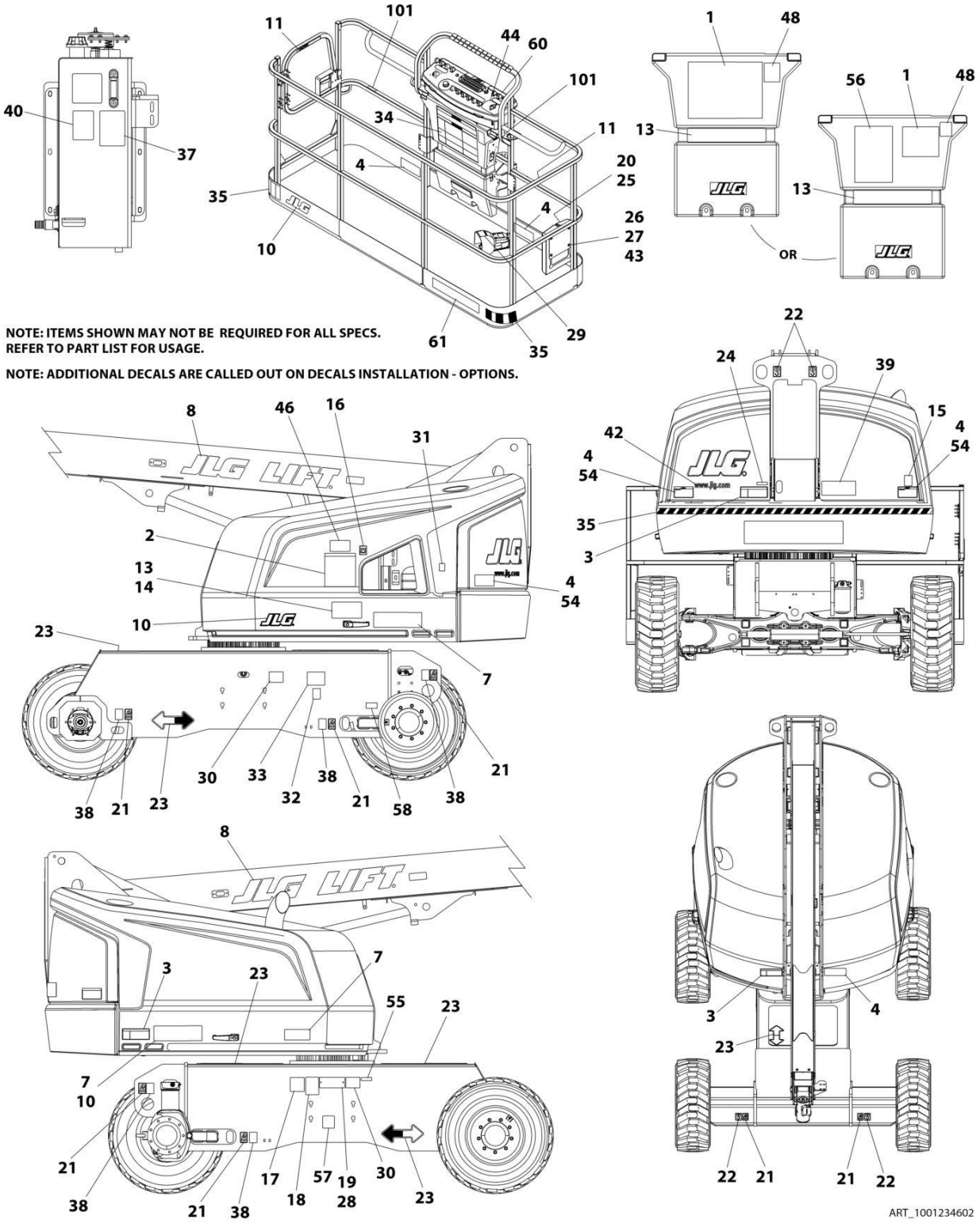


FIGURE 9-20. DECAL INSTALLATION - KOREAN SPECS (Prior to SN 0300276767, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234602	Ref	DECAL INSTALLATION - KOREAN SPECS (KOREAN; ENGLISH LANGUAGES)	C
1	1703927	1	Decal - Warning/Danger	
2	1703933	1	Decal - Warning/Danger	
3	1703939	3	Decal - Electrocution	
4	1703951	3	Decal - Warning Crushing	
13	1001234430	1	Decal - Warning Tri Cap	
14	1001235585	1	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box - Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
29	1703981	1	Decal - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705427	1	Decal - Drive/Steer Instructions	
54	1703945	2	Decal - Warning Crushing	
57	1001224048	1	Decal - Yearly Inspection	
60	1001233961	1	Decal - Stop and Auxillary Power	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-21. DECAL INSTALLATION - KOREAN SPECS (SN 0300276767 to Present, SN E300008595 to Present)

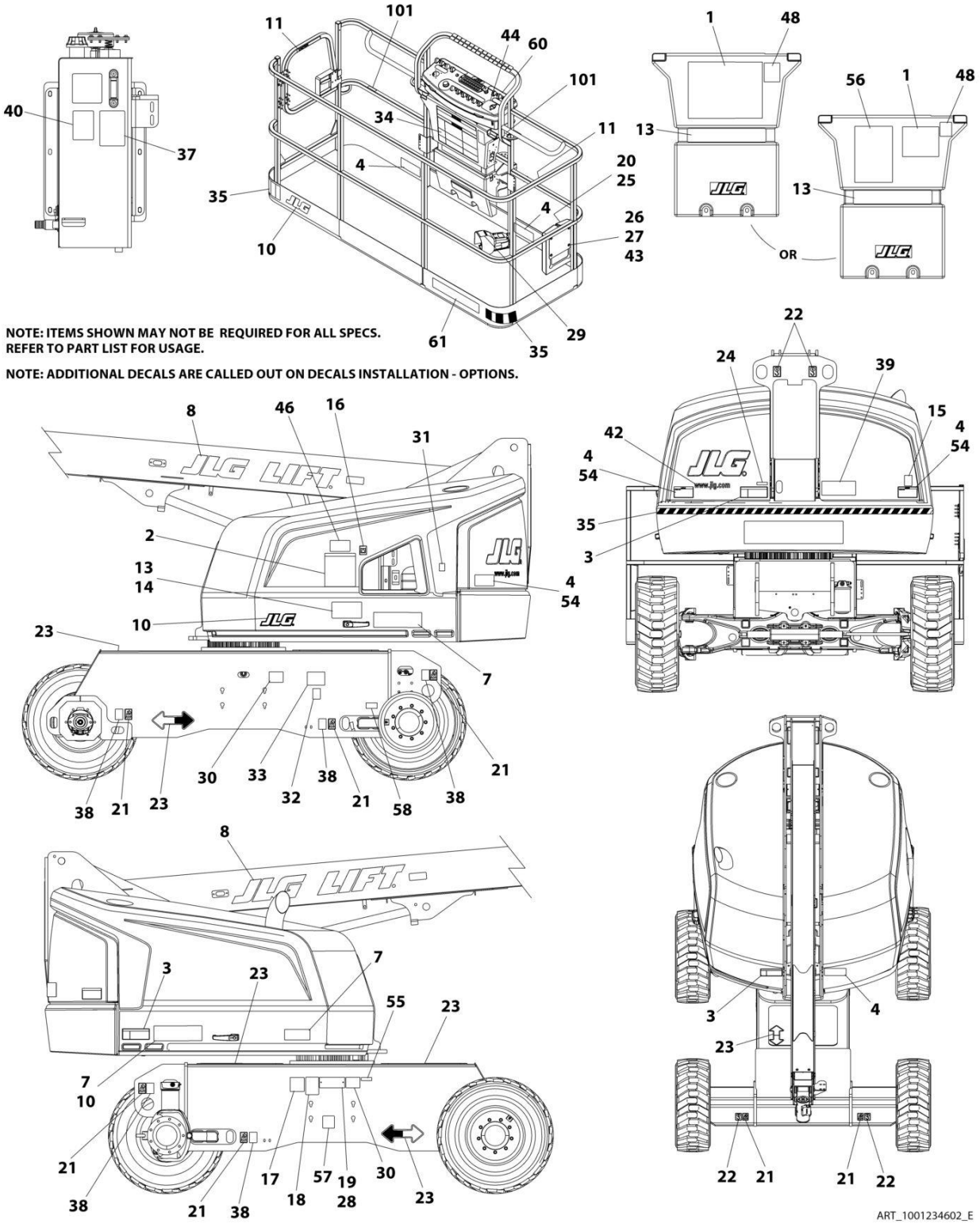


FIGURE 9-21. DECAL INSTALLATION - KOREAN SPECS (SN 0300276767 to Present, SN E300008595 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234602	Ref	DECAL INSTALLATION - KOREAN SPECS (KOREAN; ENGLISH LANGUAGES)	E
1	1703927	1	Decal - Warning/Danger	
2	1703933	1	Decal - Warning/Danger	
3	1703939	3	Decal - Electrocution	
4	1703951	3	Decal - Warning Crushing	
13	1001234430	1	Decal - Warning Tri Cap	
14	1001235585	1	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box - Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
29	1703981	1	Decal - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705427	1	Decal - Drive/Steer Instructions	
54	1703945	2	Decal - Warning Crushing	
57	1001224048	1	Decal - Yearly Inspection	
60	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-22. DECAL INSTALLATION - LATIN AMERICAN SPECS (Prior to SN 0300276767, Prior to SN E300008595)

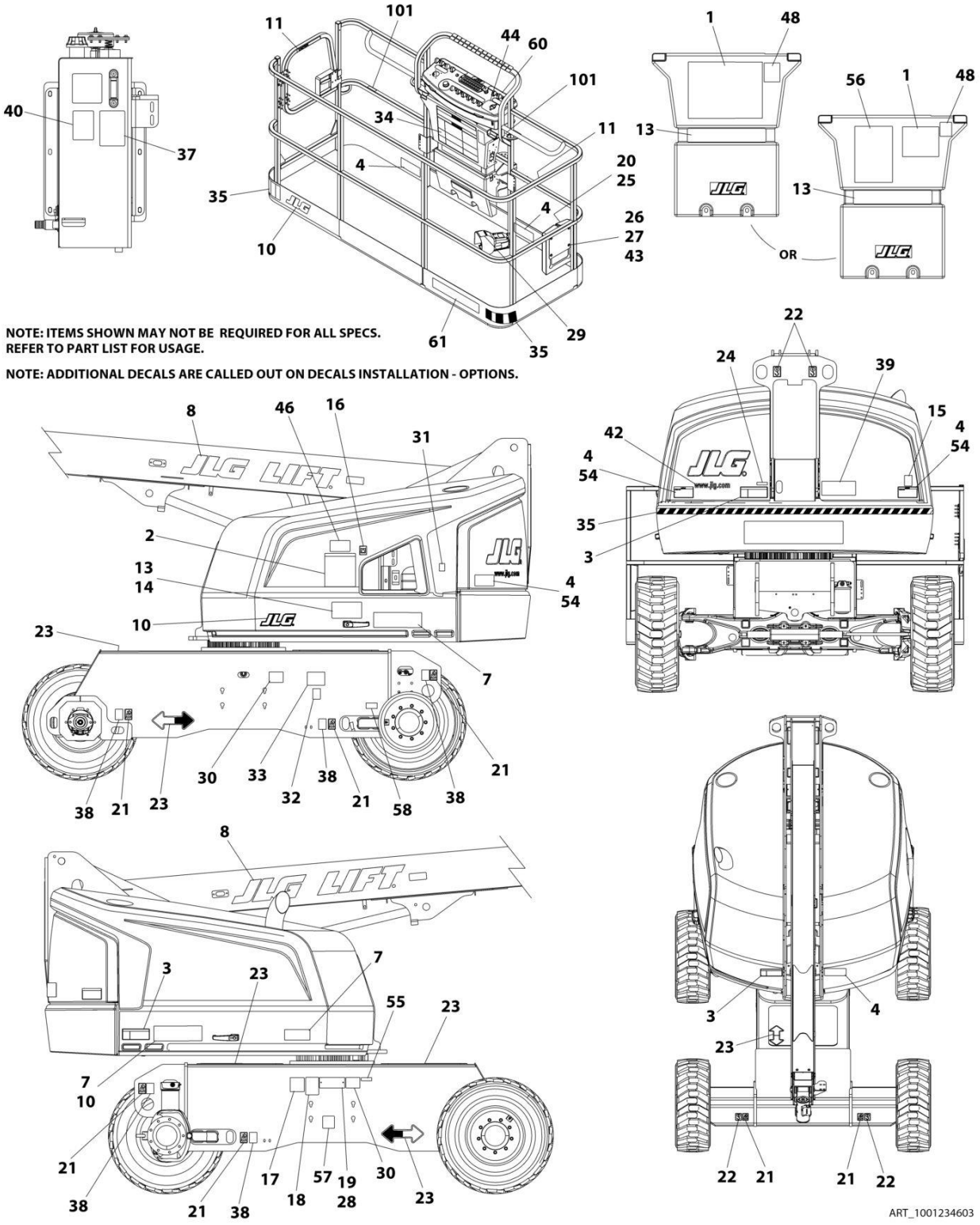


FIGURE 9-22. DECAL INSTALLATION - LATIN AMERICAN SPECS (Prior to SN 0300276767, Prior to SN E300008595)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234603	1	DECAL INSTALLATION - LATIN, AMERICAN SPECS (SPANISH/ENGLISH LANUGUAGES)	C
1	1703923	1	Decal - Warning/Danger	
2	1703229	1	Decal - Warning/Danger	
3	1703935	3	Decal - Electrocution	
4	1703947	3	Decal - Warning Crushing	
11	1704001	2	Decal - Cautions No Hands	
13	1001234431	1	Decal - Warning Tri Cap	
14	1001234432	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box - Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703983	1	Decal - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705910	1	Decal - Drive/Steer Instructions	
54	1703941	2	Decal - Warning Crushing	
57	1001224049	1	Decal - Yearly Inspection	
58	1001223453	1	Decal - ICES	
60	1001233961	1	Decal - Stop and Auxillary Power	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

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FIGURE 9-23. DECAL INSTALLATION - LATIN AMERICAN SPECS (SN 0300276767 to Present, SN E300008595 to Present)

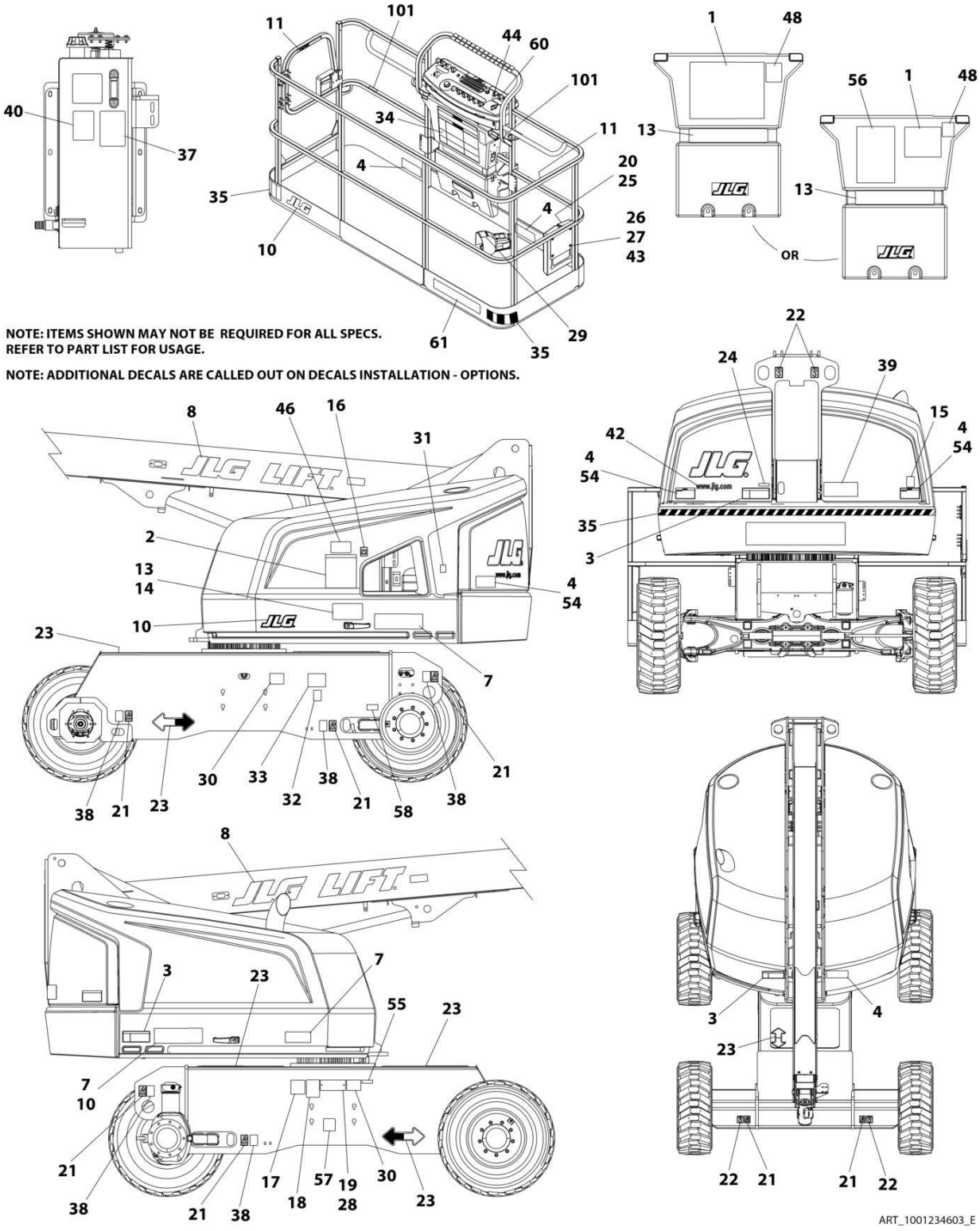


FIGURE 9-23. DECAL INSTALLATION - LATIN AMERICAN SPECS (SN 0300276767 to Present, SN E300008595 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234603	1	DECAL INSTALLATION - LATIN, AMERICAN SPECS (SPANISH/ENGLISH LANUGUAGES)	E
1	1703923	1	Decal - Warning/Danger	
2	1703229	1	Decal - Warning/Danger	
3	1703935	3	Decal - Electrocution	
4	1703947	3	Decal - Warning Crushing	
11	1704001	2	Decal - Cautions No Hands	
13	1001234431	1	Decal - Warning Tri Cap	
14	1001234432	1	Decal - Warning Tri Cap	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V - 60Hz	
25	0860520	1	Box - Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut 1/4	
28	3820001	2	Rivet	
29	1703983	1	Decal - Footswitch	
38	1701499	6	Decal - No Lifting	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705910	1	Decal - Drive/Steer Instructions	
54	1703941	2	Decal - Warning Crushing	
57	1001224049	1	Decal - Yearly Inspection	
58	1001223453	1	Decal - ICES	
60	1001184618	1	Decal - Stop	
100	1001232026	1	Decal - Lanyard Platform Kit (Not Shown)	
101	1704277	3	Decal - Lanyard Attach Graphic	

FIGURE 9-24. DECAL INSTALLATION - OPTIONS

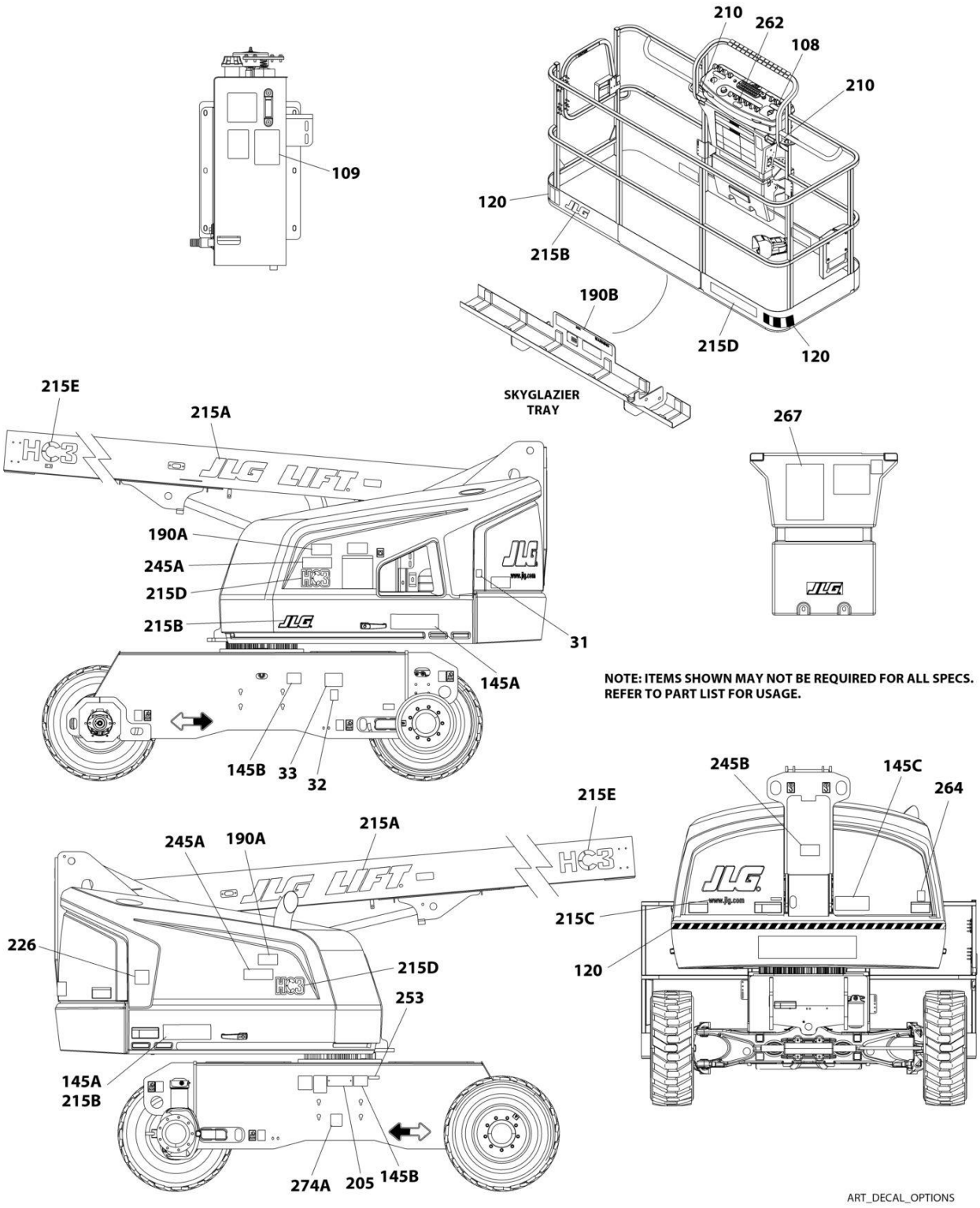


FIGURE 9-24. DECAL INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234622	Ref	DECAL INSTALLATION - REFERENCE CHART (ALL SPECS EXCEPT CE SPECS)	G
	1001235535	Ref	DECAL INSTALLATION - REFERENCE CHART (CE SPECS)	E
	1001237527	Ref	DECAL INSTALLATION - OPTIONS	B
31	1701505	1	Decal - Diesel Fuel	
31	1701542	1	Decal - Gas	
32	1701543	1	Decal - LPG	
33	1700818	1	Decal - LP Gas Liquid Withdrawal System (ANSI Spec)	
33	1704271	1	Decal - LP Gas Liquid Withdrawal System (CSA Spec)	
108	1001231801	1	Decal - Proposition 65 (USA Built Machines)	
109	1702788	1	Decal - Biodegradeable Hydraulic Fluid (All Specs except German Spec)	
109	1703479	1	Decal - Biodegradeable Hydraulic Fluid (German Spec)	
109	1704174	1	Decal - SYN Biodegradeable Hydraulic Fluid (All Specs except German Spec)	
109	1704175	1	Decal - SYN Biodegradeable Hydraulic Fluid (German Spec)	
120	1001178415	Ref	Warning Strip Installation (Not Shown)	
120	4420051	14.5 ft/ 4.42m	Tape, Safety	
145	1001234608	Ref	Decal - Model Designation (400SHC3) (Not Shown)	
145	1001251723	Ref	Decal - Model Designation (400SJHC3) (Not Shown)	
145A	1704472	2	Decal - 400S	
145A	1704473	2	Decal - 460SJ	
145B	1001236680	2	Decal - Max Tire Load (400SHC3)	
145B	1001251692	2	Decal - Max Tire Load (400SJHC3)	
145C	1001177451	1	Decal - Lift Diagram	
190	1001172570	Ref	Decal, Installation - Skyglazier (English Language) (Not Shown)	
190	1001172571	Ref	Decal, Installation - Skyglazier (ANSI Export Spanish Language) (Not Shown)	
190	1001172572	Ref	Decal, Installation - Skyglazier (Brazil Portuguese Language) (Not Shown)	
190	1001172620	Ref	Decal, Installation - Skyglazier (Australian Englsih Language) (Not Shown)	
190A	1705358	2	Decal - Skygalzier	
190B	1001199035	2	Decal - Skygalzier Capacity (English Language)	
190B	1001172564	2	Decal - Skygalzier Capacity (Ansi Export Spanish Language)	
190B	1001172565	2	Decal - Skygalzier Capacity (Brazil Portuguese Language)	
190B	1001199036	2	Decal - Skygalzier Capacity (Australian Englsih Language) (Not Shown)	
205	See Note	NSS	Name Plate - Manufacturers Serial Number (Note: Not Available For Purchase)	
210	1702868	2	Decal - No Hands (Ansi, Australian & CE Specs)	
210	1704000	2	Decal - No Hands (CSA Specs)	
215	1001245410	Ref	Decal Installation - JLG Logo (Not Shown) (All Specs Except CE Specs)	C
215	1001251612	Ref	Decal Installation - JLG Logo (Not Shown) (CE Specs)	B
215A	1702861	2	Decal - JLG Lift (All Specs Except CE Specs)	
215A	1001159323	2	Decal - JLG (CE Specs)	
215B	1702773	AR	Decal - JLG	
215C	1704885	1	Decal - Website (All except CE Sepcs)	
215D	1001244212	AR	Decal - HC3	
215E	1001256906	2	Decal - HC3 **(SN E300007713 to Present)**	

SECTION 9 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
226	1704972	1	Decal - Warning Explosion/Fire (ANSI Spec)	
226	1706064	1	Decal -Warning Explosion/Fire (CSA Spec - Dual Language English/French)	
226	1706098	1	Decal -Warning Explosion/Fire Australian and CE Specs)	
226	1706059	1	Decal -Warning Explosion/Fire (Brazil Spec- Dual Language English/Portuguese)	
226	1706060	1	Decal -Warning Explosion/Fire (Chinese Spec- Dual Language English/Chinese)	
226	1706061	1	Decal - Warning Explosion/Fire (Korean Spec - Dual Language English/Korean)	
226	1706062	1	Decal - Warning Explosion/Fire (Japanese Spec - Dual Language English/Japanese)	
226	1706063	1	Decal -Warning Explosion/Fire (Latin American - Dual Language English/Spanish)	
245	1001178435	Ref	Decal Installation - Clearsky	
245A	1001116208	2	Decal - Clearsky	
245B	1001120989	1	Decal - Radio Frequency	
253	1001143852	1	Decal - Emission Compliance (Machines with Diesel Engines) (ANSI Export, Australian, CE and China Specs)	
262	1001141300	1	Decal - Skyguard Override (Machines Without Soft Touch)	
262	1001141302	1	Decal - Skyguard Override (Machines With Soft Touch)	
264	1001204510	1	Decal - Sound Power (T4i)	
264	1001130492	1	Decal - Sound Power (Stage V)	
274	1001214029	1	Decal - EAC Installation (CIS and Russia Specs)	
274A	1001173703	1	Decal - EAC	
267	1001200128	1	Decal, Quick Start Guide (French)	
267	1001200129	1	Decal, Quick Start Guide (Dutch)	
267	1001200130	1	Decal, Quick Start Guide (German)	
267	1001200131	1	Decal, Quick Start Guide (Danish)	
267	1001200132	1	Decal, Quick Start Guide (Swedish)	
267	1001200133	1	Decal, Quick Start Guide (Spanish)	
267	1001200134	1	Decal, Quick Start Guide (Norwegain)	
267	1001181145	1	Decal, Quick Start Guide (English)	

FIGURE 9-25. DECAL INSTALLATION - SKYWELDER (50HZ)

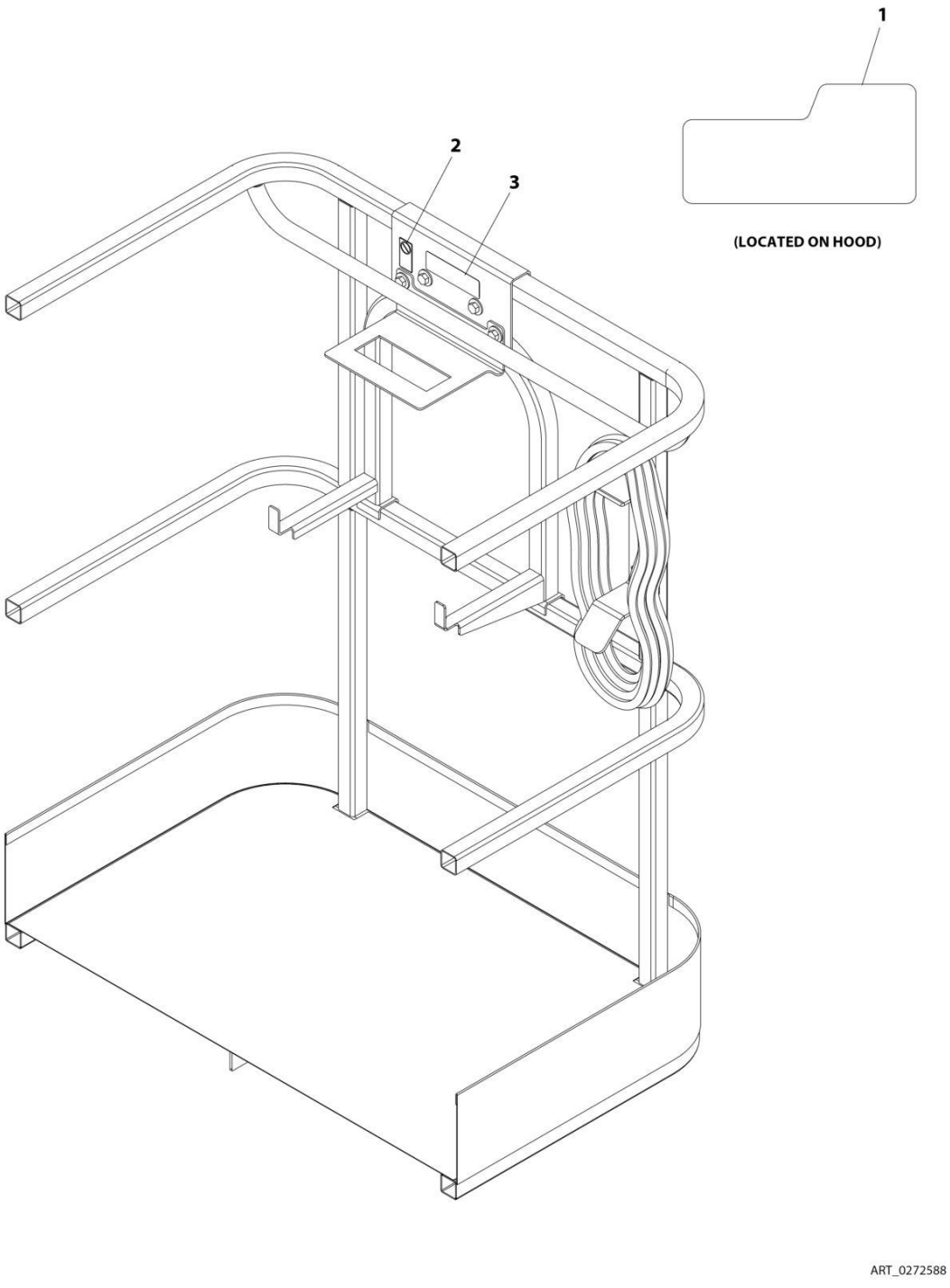


FIGURE 9-25. DECAL INSTALLATION - SKYWELDER (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272588	Ref	SKYWELDER DECAL INSTALLATION - 50Hz	B
1	1705355	2	Decal - SkyWelder	
2	1705305	1	Decal - Weld Lead	
3	1001228988	1	Decal - Weight	

FIGURE 9-26. DECAL INSTALLATION - SKYWELDER (60HZ)

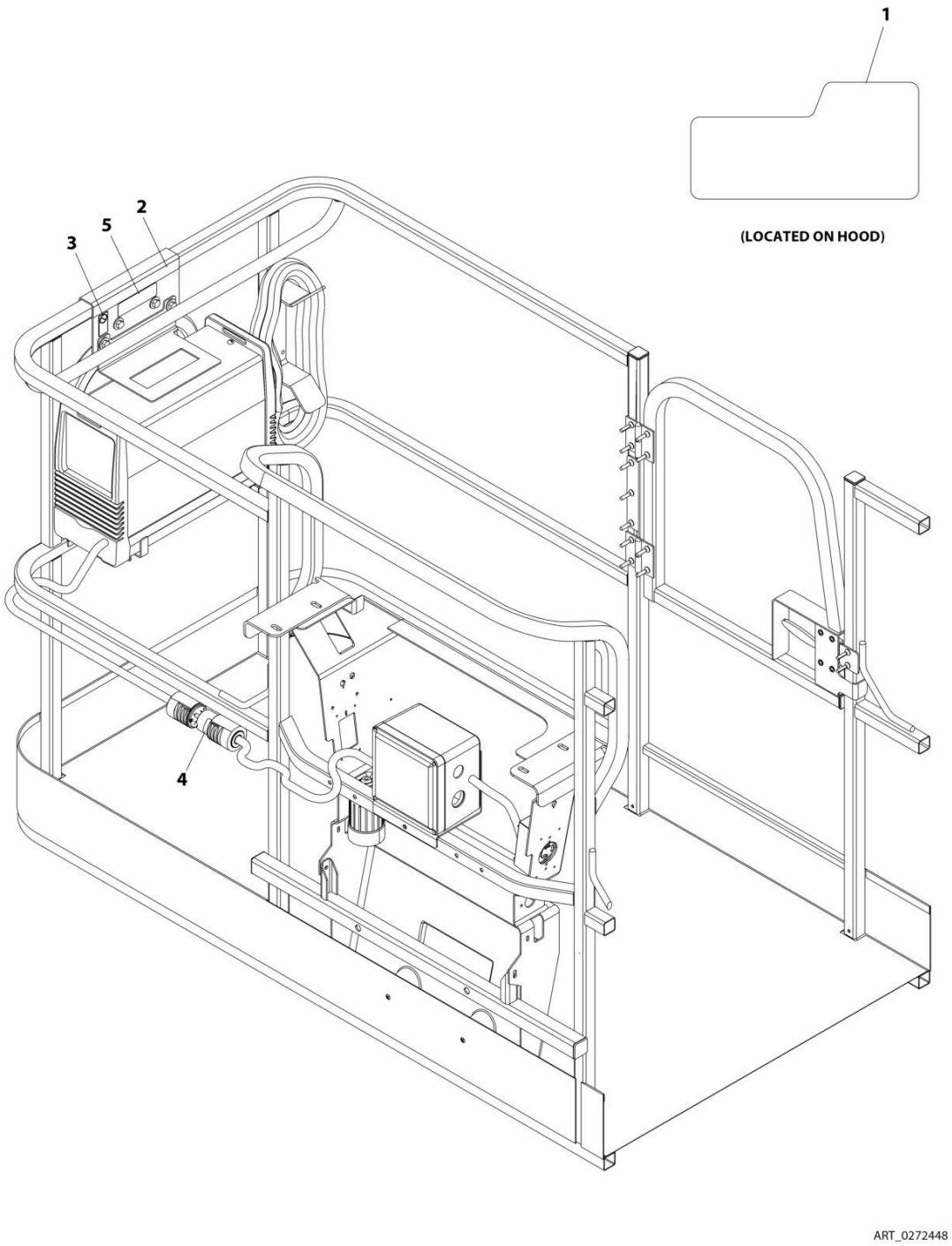


FIGURE 9-26. DECAL INSTALLATION - SKYWELDER (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272448	Ref	SKYWELDER DECAL INSTALLATION - 60Hz	B
1	1705355	2	Decal - SkyWelder	
2	1702868	1	Decal - No Hands	
3	1705305	1	Decal - Weld Lead	
4	1705375	1	Decal - 240V - 3 Phase - 60Hz	
5	1001228988	1	Decal - Weight	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
		Ref	STANDARD PARTS	
	70002386	1	Coil	
	70003788	1	Coil	
	70005219	1	Coil	
	70004897	1	Coil	
	1001212415	1	Controller Assembly (Drive and Steer)	
	1001166539	1	Controller Assembly (Lift and Swing)	
	70010383	1	Element, Filter Charge Pump (Includes O-Ring)	
	70003614	1	Filter Kit (Includes Hydraulic Element, Breather Element and Gasket)	
	3740067	1	Relay	
	3740140	1	Relay	
	2860030	1	Key, Replacement	
	4360328	1	Switch, Toggle	
	4360387	1	Switch, Push Button	
	4360475	1	Switch, Emergency Stop	
	4360476	1	Switch, Contact Block	
	4360407	1	Switch, Potentiometer	
	1001155045	1	Switch, Toggle	
	1001159256	1	Switch, Toggle	
	1001161709	1	Switch, Toggle	
		Ref	VARIABLE PARTS	
	1001189172	1	Breaker, 16 Amp	
	1001181045	1	Breaker, 30mA/16 Amp	
	1001189171	1	Breaker, 30mA	
	70003783	12	Element, Air Cleaner (Deutz 2.9L4 and Deutz D2011 Engines)	
	1001147813	12	Element, Air Cleaner (Kubota Engines)	
	7016331	12	Filter, Oil (Deutz Engines)	
	70006023	12	Filter, Oil (Kubota Engines)	
	1001225430	12	Filter, Fuel (Deutz 2.9L4 Engines)	
	1001225431	12	Filter, Fuel (Deutz 2.9L4 Engines)	
	7020023	12	Filter, Fuel (Deutz D2011 and Deutz D2011 (Stage V) Engines)	
	70003463	12	Filter, Fuel - RME Resistant (Deutz D2011 and Deutz D2011 (Stage V) Engines)	
	7017992	12	Filter, Fuel (Kubota Engines)	
	1001196634	1	Fuse - 2Amp	
	8229242	1	Fuse - 5Amp	
	80983191	1	Fuse - 10Amp	
	8229244	1	Fuse - 15Amp	
	70023592	1	Fuse - 20Amp	
	70023593	1	Fuse - 30Amp	
	2400082	1	Fuse - 40 Amp	
	2940074	1	Latch (Machines with Gate)	
	1001170094	1	Module, Ground Control	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001138228	1	Module, Power Relay	
	70025210	1	Module, ECU (Deutz 2.9L4 Engines)	
	70006061	1	Module, ECU (Kubota Engines)	
	1001157196	1	Module, Platform Control	
	1001142683	1	Module, Beacon Light Control	
	1001161710	1	Switch, Toggle (Dual Fuel Machines - GM and Kubota Engines)	
	4360336	1	Switch, Toggle (Generator Option)	
	4360057	1	Switch, Limit (Soft Touch Option)	
	4360387	1	Switch, Toggle (Soft Touch Option)	
	1001137673	1	Switch, SkyGuard Assembly (CE Specs Machines)	

SECTION 11 - SPECIAL OPTIONS

SECTION 11 - SPECIAL OPTIONS

FIGURE 11-1. SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	MISCELLANEOUS SPECIAL OPTIONS	
	1001174347	Ref	Airline Installation - 400S HC3	
	1001247683	Ref	Airline Installation- 460SJ HC3	
	1001171499	Ref	Boom and Chassis Bellows Installation (400S HC3)	
	1001249499	Ref	Boom and Chassis Bellows Installation (460SJ HC3)	
	1001206437	Ref	Boom Wear Pad Kit	
	1001172630	Ref	Boom Wiper Installation	
	1001247254	Ref	Boom Wiper Installation (460SJ HC3)	
	1001172045	Ref	Cable Carrier Tray Installation (460SJ HC3 Only) (Australian Specs)	
	1001227453	Ref	ClearSky Installation (ANSI and CSA Specs) (Canbus) (Factory Installed)	
	1001228955	Ref	ClearSky Installation (ANSI Export and CE Specs) (Canbus) (Factory Installed)	
	1001246456	Ref	ClearSky Installation (Australian Specs) (Canbus) (Factory Installed)	
	1001246457	Ref	ClearSky Installation (China Specs) (Canbus) (Factory Installed)	
	1001229107	Ref	ClearSky (Telematics) Installation (ANSI and CSA Specs) (3 Wire) (Factory Installed)	
	1001233237	Ref	ClearSky Installation (ANSI Export and CE Specs)	
	1001243183	Ref	ClearSky (Telematics) Added-on-Kit (Dealer Installed) (ANSI, ANSI Export, CSA and CE Specs)	
	1001246142	Ref	ClearSky (Telematics) Added-on-Kit (Dealer Installed) (Australian Specs)	
	1001243184	Ref	ClearSky (Telematics) Added-on-Kit (Dealer Installed) (CE Specs)	
	1001242639	Ref	ClearSky (Telematics)Access Control Kit (Dealer Installed) (ANSI, ANSI Export, CSA and CE Specs)	
	1001183207	Ref	Cold Weather Package - Deutz D2011 Engines (Factory Installed)	
	1001183206	Ref	Cold Weather Package - Deutz D2.9L4 Engines (Factory Installed)	
	1001204996	Ref	Cold Weather Package - Deutz D2.9L4 (400S HC3 Without Sky Power) (Dealer Installed)	
	1001204997	Ref	Cold Weather Package - Deutz D2.9L4 (400S HC3 With Sky Power) (Dealer Installed)	
	1001205008	Ref	Cold Weather Package - Deutz D2.9L4 (460SJ HC3 Without Sky Power) (Dealer Installed)	
	1001205009	Ref	Cold Weather Package - Deutz D2.9L4 (460SJ HC3 With Sky Power) (Dealer Installed)	
	1001216914	Ref	Cold Weather Package - Kubota Engines (Factory Installed)	
	1001255807	Ref	Cold Weather Package – Deutz Stage 5 (CE Specs)	
	1001177840	Ref	Container/Transport Wheels Installation - 12 x 16.5 Tires	
	1001177841	Ref	Container/Transport Wheels Installation - 14 x 17.5 Tires	
	1001247904	Ref	Container/Transport Wheels Installation - 33 x 12 D410 Tires	
	1001177524	Ref	Cribbing Switch Installation (ANSI and CSA Specs)	
	1001241340	Ref	Decal Kit - Platform Console Box	
	1001148902	Ref	Electrical Connector Kit - Amp/Tyco Electrical Connectors	
	1001148903	Ref	Electrical Connector Kit - Deutsch DT Electrical Connectors	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148904	Ref	Electrical Connector Kit - Deutsch HD Electrical Connectors	
	1001148905	Ref	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kit - Various Electrical Connectors	
	1001214833	Ref	Engine Block Heater - Kubota Engines	
	1001269630	Ref	Fall Arrest (Bolt-on) Add-on Kit - 48in Standard Platform (Dealer Installed)	
	1001269629	Ref	Fall Arrest (Bolt-on) Add-on Kit - 60in Standard Platform (Dealer Installed)	
	1001269631	Ref	Fall Arrest (Bolt-on) Add-on Kit - 72in Standard Platform (Dealer Installed)	
	1001237883	Ref	Fall Arrest (Bolt-on) Add-on Kit - 72in Standard Platform (Dealer Installed)	
	1001237882	Ref	Fall Arrest (Bolt-on) Add-on Kit - 96in Standard Platform (Dealer Installed)	
	1001172751	Ref	Fan Cover Installation - Deutz D2.9L4 Engines	
	1001204482	Ref	Filter Kit - Combined (Hydraulic Oil/Air & Engine Air/Fuel Oil) (Deutz D2.9L4)	
	1001204481	Ref	Filter Kit - Combined (Hydraulic Oil/Air & Engine Air/Fuel Oil) (Deutz D2011)	
	1001225794	Ref	Filter Kit - Combined (Hydraulic Oil/Air & Engine Air/Fuel Oil) (Deutz D2.3L3)	
	1001236496	Ref	Filter Kit - Combined (Hydraulic Oil/Air & Engine Air/Fuel Oil) (Deutz D2.9L4) (Wet Stacking)	
	1001117294	Ref	Footswitch Shield Installation	
	1001202749	Ref	Fuel Cap Cover (Lockable) (Black) (Note: Lock Not Included Purchase Separately)	
	1001191395	Ref	Fuel Cap Cover (Lockable) (Green - Diesel Machines) (Note: Lock Not Included Purchase Separately)	
	1001191394	Ref	Fuel Cap Cover (Lockable) (Red - Gas Machines) (Note: Lock Not Included Purchase Separately)	
	1001220004	Ref	Ground Control Module Cover Kit	
	1001206439	Ref	Hose Kit - Power Track (Upper) (400S HC3)	
	1001206440	Ref	Hose Kit - Power Track (Upper) (460SJ HC3)	
	1001241396	Ref	Hostile Environment Kit (460S HC3)	
	1001241402	Ref	Hostile Environment Kit (460SJ HC3)	
	1001268751	Ref	Jib Cylinder Kit (460AJ HC3)	
	1001256412	Ref	Latch Kit (Engine Side Hood - Deutz Engines)	
	1001256413	Ref	Latch Kit (Engine Side Hood - Tank Engines)	
	1001256414	Ref	Latch Kit (Tank Side Hood)	
	1001174926	Ref	Lights Installation - Chassis Illumination	
	1001174925	Ref	Lights Installation - Headlights and Taillights	
	1001120466	Ref	Lights Installation - Platform Worklights	
	1001183407	Ref	Low Temperature Cutout Installation (Russian Specs)	
	1001173664	Ref	Oil Cooler Installation - Deutz D2011 Engines	
	1001164493	Ref	Oil Cooler Installation - Deutz D2.9L4 Engines/Deutz D2.9L4 Engines (Stage V)	
	1001216552	Ref	Oil Cooler Installation - Kubota Engines	
	1001258230	Ref	Oil Cooler Installation - T4F / Stage V	
	1580013	Ref	Platform Corner Storage Tray	
	1001195304	Ref	Platform Cover Installation - Clear	
	1001266290	Ref	Platform Cover Installation - Steel	
	1001238421	Ref	Platform Leveling Kit	
	1001219794	Ref	Platform Hose and Cable Protection (400S HC3)	
	1001258715	Ref	Platform Hose and Cable Protection (460SJ HC3)	

SECTION 11 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001138773	Ref	Platform Mesh to Mid Rail Installation - 36 x 96 Platforms (Factory Installed)	
	1001266489	Ref	Plastic Platform Mesh to Top Rail Installation - 36 x 72 Platforms (Factory Installed)	
	1001266056	Ref	Plastic Platform Mesh to Top Rail Installation - 36 x 96 Platforms (Factory Installed)	
	1001266098	Ref	Plastic Platform Mesh to Mid Rail Installation - 36 x 96 Platforms (Factory Installed)	
	1001214478	Ref	Platform Mesh to Mid Rail Kit - 30 x 48 Platforms (Dealer Installed)	
	1001214515	Ref	Platform Mesh to Mid Rail Kit - 30 x 60 Platforms (Dealer Installed)	
	1001214540	Ref	Platform Mesh to Mid Rail Kit - 36 x 72 Platforms (Dealer Installed)	
	1001214548	Ref	Platform Mesh to Mid Rail Kit - 36 x 96 Platforms (Dealer Installed)	
	0273149	Ref	Platform Mesh to Top Rail Installation - 36 x 72 Platforms (Factory Installed)	
	0273145	Ref	Platform Mesh to Top Rail Installation - 36 x 96 Platforms (Factory Installed)	
	1001214552	Ref	Platform Mesh to Top Rail Kit - 30 x 48 Platforms (Dealer Installed)	
	1001214559	Ref	Platform Mesh to Top Rail Kit - 30 x 60 Platforms (Dealer Installed)	
	1001214560	Ref	Platform Mesh to Top Rail Kit - 30 x 72 Platforms (Dealer Installed)	
	1001214561	Ref	Platform Mesh to Top Rail Kit - 36 x 72 Platforms (Dealer Installed)	
	1001214562	Ref	Platform Mesh to Top Rail Kit - 36 x 96 Platforms (Dealer Installed)	
	0272733	Ref	Platform Rail Extension Installation - 36 x 72 Platforms	
	0272725	Ref	Platform Rail Extension Installation - 36 x 96 Platforms	
	1001233079	Ref	Pump Rotation Pump	
	1001204963	Ref	Service Kits	R
	1001247073	Ref	SkyEye Retrofit Kit	
	1001241547	Ref	SkyEye LH Housing Kit	
	1001241548	Ref	SkyEye RH Housing Kit	
	1001262102	Ref	SkyGlazier Decal (English)	
	1001262103	Ref	SkyGlazier Decal (Spanish)	
	1001262104	Ref	SkyGlazier Decal (Portuguese)	
	1001262105	Ref	SkyGlazier Decal (Australian)	
	1001203510	Ref	SkyGuard Kit (Without Beacon)	
	1001203512	Ref	SkyGuard Kit (With Blue Beacon)	
	1001210037	Ref	SkyGuard Kit (With Red Beacon)	
	1001232643	Ref	SkyLine Kit	
	1001250465	Ref	SkySense/Enhanced Detection System (EDS) Level 1 (2 Bar) Installation (Factory Installed)	
	1001250466	Ref	SkySense/Enhanced Detection System (EDS) Level 2 (3 Bar) Installation Factory Installed)	
	1001246867	Ref	SkySense/Enhanced Detection System (EDS) Level 1 (2 Bar) Add-on Kit (Dealer Installed)	
	1001246860	Ref	SkySense/Enhanced Detection System (EDS) Level 2 (3 Bar) Add-on Kit (Dealer Installed)	
	1001178951	Ref	Strobe Light Installation - Platform Mounted (Amber)	
	1001177570	Ref	Strobe Light Installation - Platform/Ground Mounted (Amber)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231235	Ref	Sky Welder Locking Bracket	
	2901443	Ref	Tools - Analyzer Kit	
	1001249695	Ref	Tools - Analyzer & Cable Kit	
	1001249941	Ref	Tools - Analyzer & Cable Kit (Battery Powered)	
	1001137005	Ref	Tools - Cable Kit, Software	
	7002821	Ref	Tools - Crimper, Wire	
	7002823	Ref	Tools - Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460510	Ref	Tools - Pin Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460467	Ref	Tools - Pin Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016654	Ref	Tools - Screwdriver, Magnetic	
	7002822	Ref	Tools - Screwdriver, Potentiometer	
	7004275	Ref	Tools - Seal Tool 1 (For Cylinders)	
	7004276	Ref	Tools - Seal Tool 1-1/2 (For Cylinders)	
	2915102	Ref	Turntable Bearing Kit	
	1001262959	Ref	Voltage Regulator Relocation Kit	
	1001209059	Ref	Work Surface Installation	
	1001263176	Ref	White Noise Alarm Installation (Factory Installed)	
	1001270716	Ref	White Noise Alarm Add-on Kit (Dealer Installed)	
	1001270755	Ref	White Noise Alarm (Ambient) Add-on Kit (Dealer Installed)	

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