Illustrated Parts Manual

400SC, 460SJC

PVC 2407

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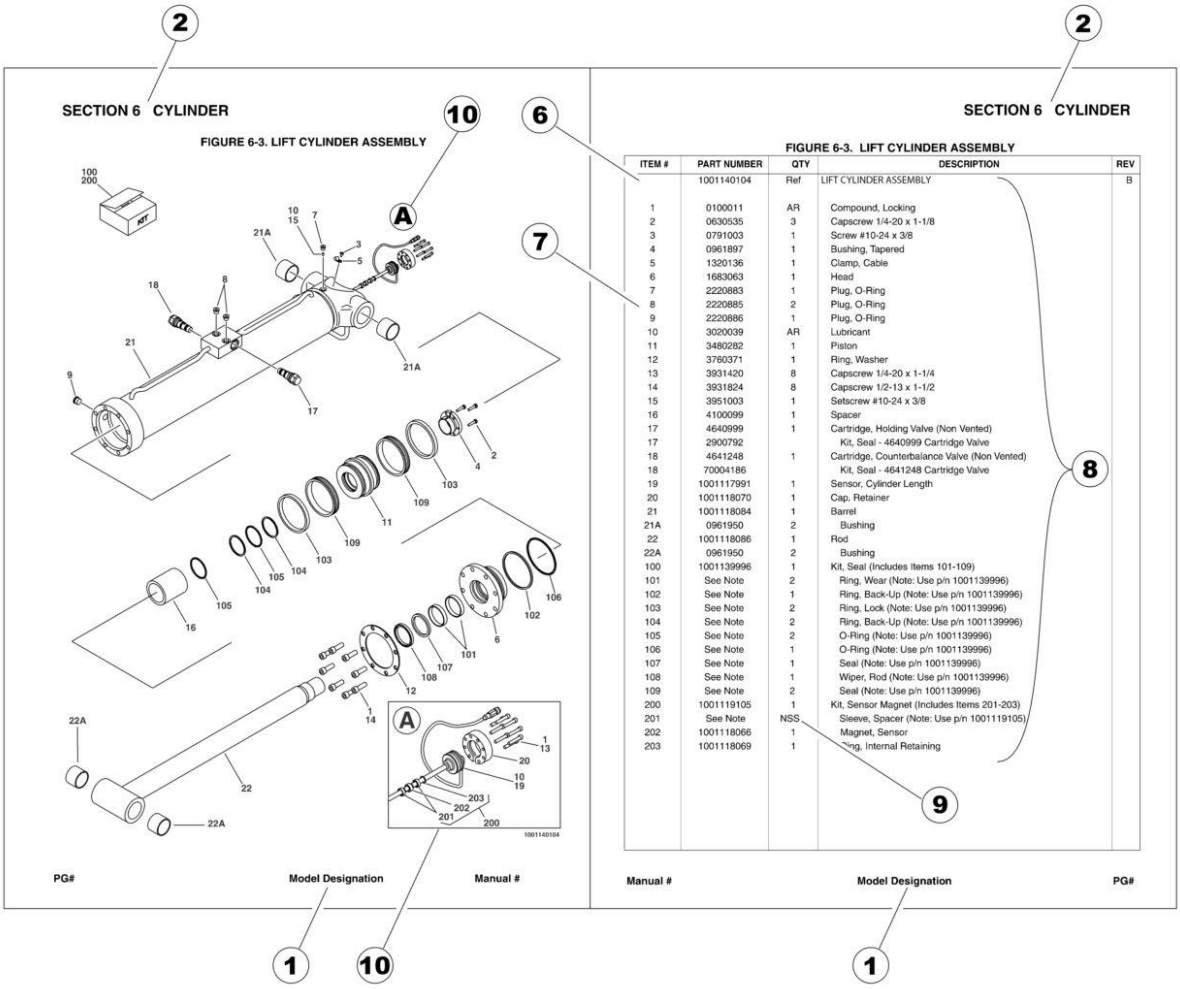
ANSI ***AS/NZS***

English (en-US)

REVISION LOG

July 1, 2024 - A - Original Issue of Manual (Edited to B/M 1001260401 Revision AA)

GENERAL INFORMATION



ITEM #	PART NUMBER	QTY	DESCRIPTION	REV
	1001140104	Ref	LIFT CYLINDER ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0630535	3	Capscrew 1/4-20 x 1-1/8	
3	0791003	1	Screw #10-24 x 3/8	
4	0961897	1	Bushing, Tapered	
5	1320136	1	Clamp, Cable	
6	1683063	1	Head	
7	2220883	1	Plug, O-Ring	
8	2220885	2	Plug, O-Ring	
9	2220886	1	Plug, O-Ring	
10	3020039	AR	Lubricant	
11	3480282	1	Piston	
12	3760371	1	Ring, Washer	
13	3931420	8	Capscrew 1/4-20 x 1-1/4	
14	3931824	8	Capscrew 1/2-13 x 1-1/2	
15	3951003	1	Setscrew #10-24 x 3/8	
16	4100099	1	Spacer	
17	4640999	1	Cartridge, Holding Valve (Non Vented)	
17	2900792		Kit, Seal - 4640999 Cartridge Valve	
18	4641248	1	Cartridge, Counterbalance Valve (Non Vented)	
18	70004186		Kit, Seal - 4641248 Cartridge Valve	
19	1001117991	1	Sensor, Cylinder Length	
20	1001118070	1	Cap, Retainer	
21	1001118084	1	Barrel	
21A	0961950	2	Bushing	
22	1001118086	1	Rod	
22A	0961950	2	Bushing	
100	1001139996	1	Kit, Seal (Includes Items 101-109)	
101	See Note	2	Ring, Wear (Note: Use p/n 1001139996)	
102	See Note	1	Ring, Back-Up (Note: Use p/n 1001139996)	
103	See Note	2	Ring, Lock (Note: Use p/n 1001139996)	
104	See Note	2	Ring, Back-Up (Note: Use p/n 1001139996)	
105	See Note	2	O-Ring (Note: Use p/n 1001139996)	
106	See Note	1	O-Ring (Note: Use p/n 1001139996)	
107	See Note	1	Seal (Note: Use p/n 1001139996)	
108	See Note	1	Wiper, Rod (Note: Use p/n 1001139996)	
109	See Note	2	Seal (Note: Use p/n 1001139996)	
200	1001119105	1	Kit, Sensor Magnet (Includes Items 201-203)	
201	See Note	NSS	Sleeve, Spacer (Note: Use p/n 1001119105)	
202	1001118066	1	Magnet, Sensor	
203	1001118069	1	Ring, Internal Retaining	

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

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

3) TABLE OF CONTENTS (NOT SHOWN)
A table of contents is found toward the beginning of the manual. Figure number, description and page number are provided for quick reference to the page containing the related information.

4) RECOMMENDED SPARE PARTS (NOT SHOWN)
The Recommended Spare Parts List, located near the end of the manual, reference most frequently used maintenance parts.

5) PART NUMBER INDEX (NOT SHOWN)
A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

GENERAL INFORMATION

6) NON-SERVICED PARTS

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

7) PARTS LIST ITEM NUMBERS

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

8) INDENTED PARTS DESCRIPTION

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

9) ABBREVIATION AND SYMBOLS

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

10) ILLUSTRATION REFERANCE LETTERS

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

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

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SECTION 1 - FRAME

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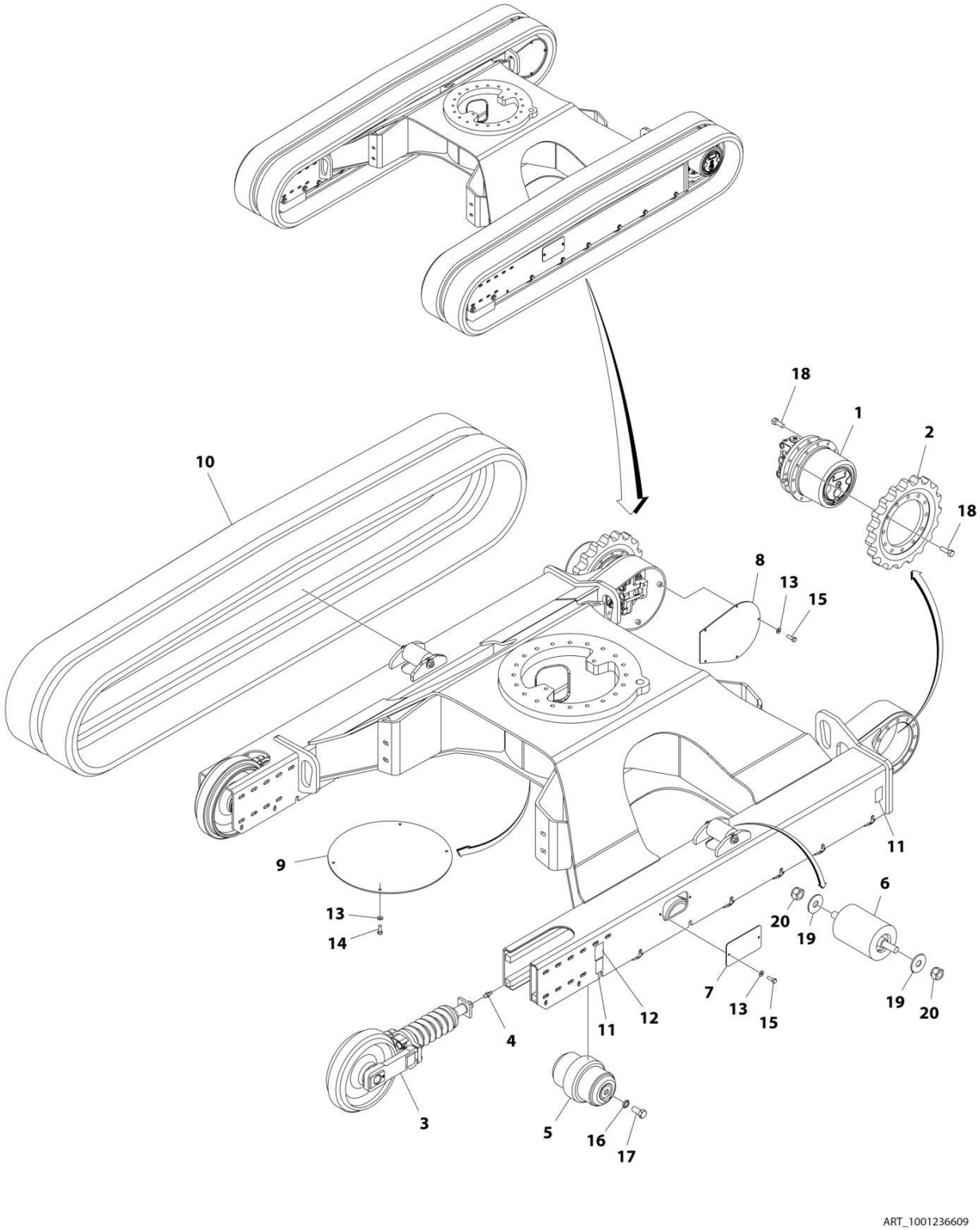


FIGURE 1-1. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236609	Ref	UNDERCARRIAGE ASSEMBLY	D
1	70005275	2	Drive Hub Assembly (See Separate Breakdown in this Section)	
2	70005276	2	Sprocket, Drive	
3	70007471	2	Idler, Assembly	
4	70005278	2	Fitting, Grease	
5	70007472	14	Track Roller Assembly - Lower	
6	70005280	2	Track Roller Assembly - Upper	
7	70005281	2	Plate, Cover - Frame Side	
8	70005282	2	Plate, Cover - Drive Motor	
9	70005283	1	Plate, Cover - Frame Bottom	
10	1001190968	2	Track, Rubber (Bridgestone Poland)	
11	1703814	4	Decal - Tie Down	
12	1701499	2	Decal - No Lifting	
13	70005284	18	Washer M8	
14	70005285	4	Bolt M8 x 20	
15	70005286	12	Bolt M8 x 16	
16	70007406	28	Washer M16	
17	70005288	28	Bolt M16 x 35	
18	70005289	48	Bolt M14 x 40	
19	70007409	4	Washer M14	
20	70005291	4	Nut M8	

SECTION 1 - FRAME

FIGURE 1-2. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS (NON-MARKING TRACKS)

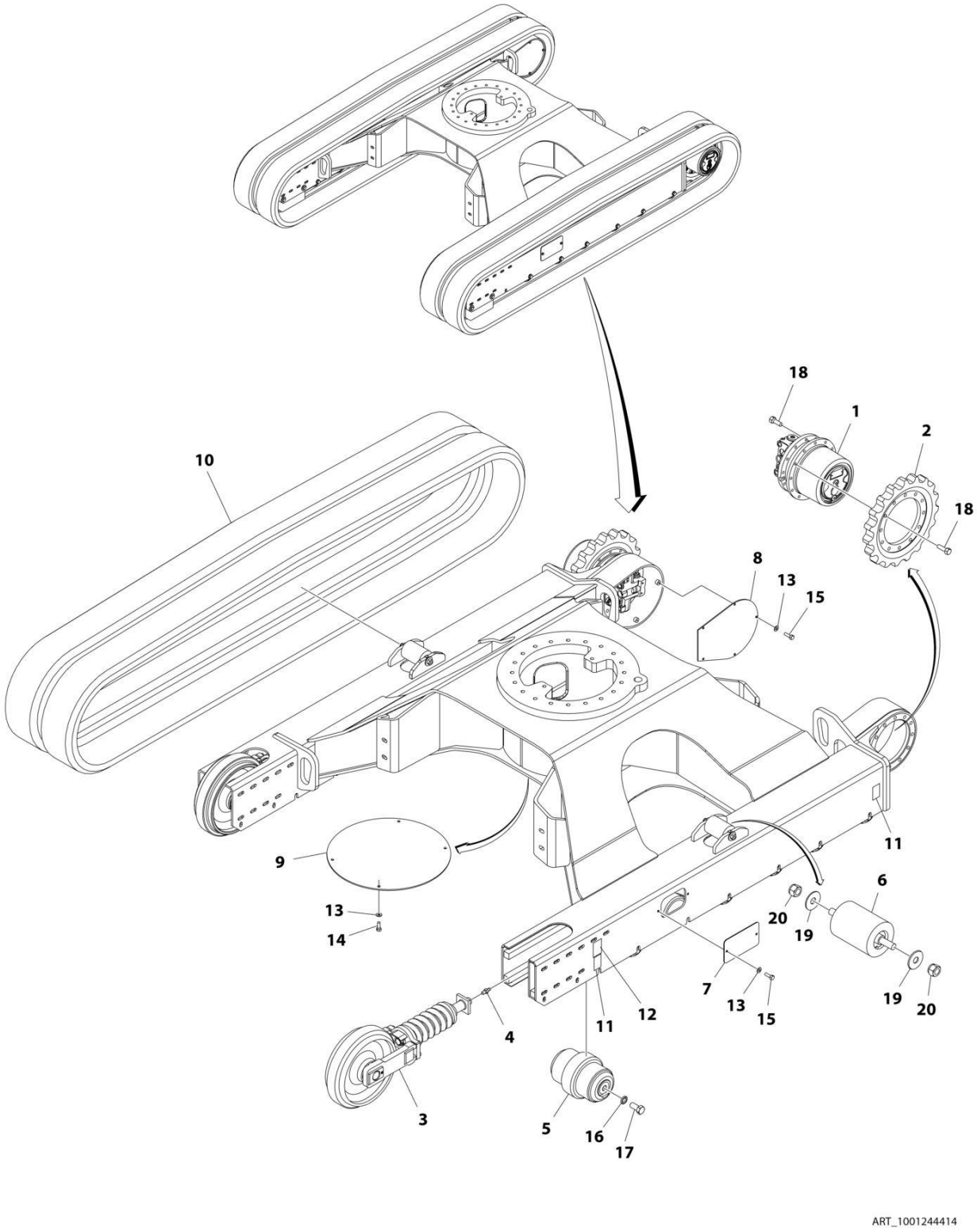


FIGURE 1-2. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS (NON-MARKING TRACKS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244414	Ref	UNDERCARRIAGE ASSEMBLY	B
1	70005275	2	Drive Hub Assembly (See Separate Breakdown in this Section)	
2	70005276	2	Sprocket, Drive	
3	70007471	2	Idler, Assembly	
4	70005278	2	Fitting, Grease	
5	70007472	14	Track Roller Assembly - Lower	
6	70005280	2	Track Roller Assembly - Upper	
7	70005281	2	Plate, Cover - Frame Side	
8	70005282	2	Plate, Cover - Drive Motor	
9	70005283	1	Plate, Cover - Frame Bottom	
10	1001216550	2	Track, Rubber	
11	1703814	4	Decal - Tie Down	
12	1701499	2	Decal - No Lifting	
13	70005284	18	Washer M8	
14	70005285	4	Bolt M8 x 20	
15	70005286	12	Bolt M8 x 16	
16	70007406	28	Washer M16	
17	70005288	28	Bolt M16 x 35	
18	70005289	48	Bolt M14 x 40	
19	70007409	4	Washer M14	
20	70005291	4	Nut M8	

FIGURE 1-3. FRAME UNDERCARRIAGE STEEL TRACKS WITH PADS

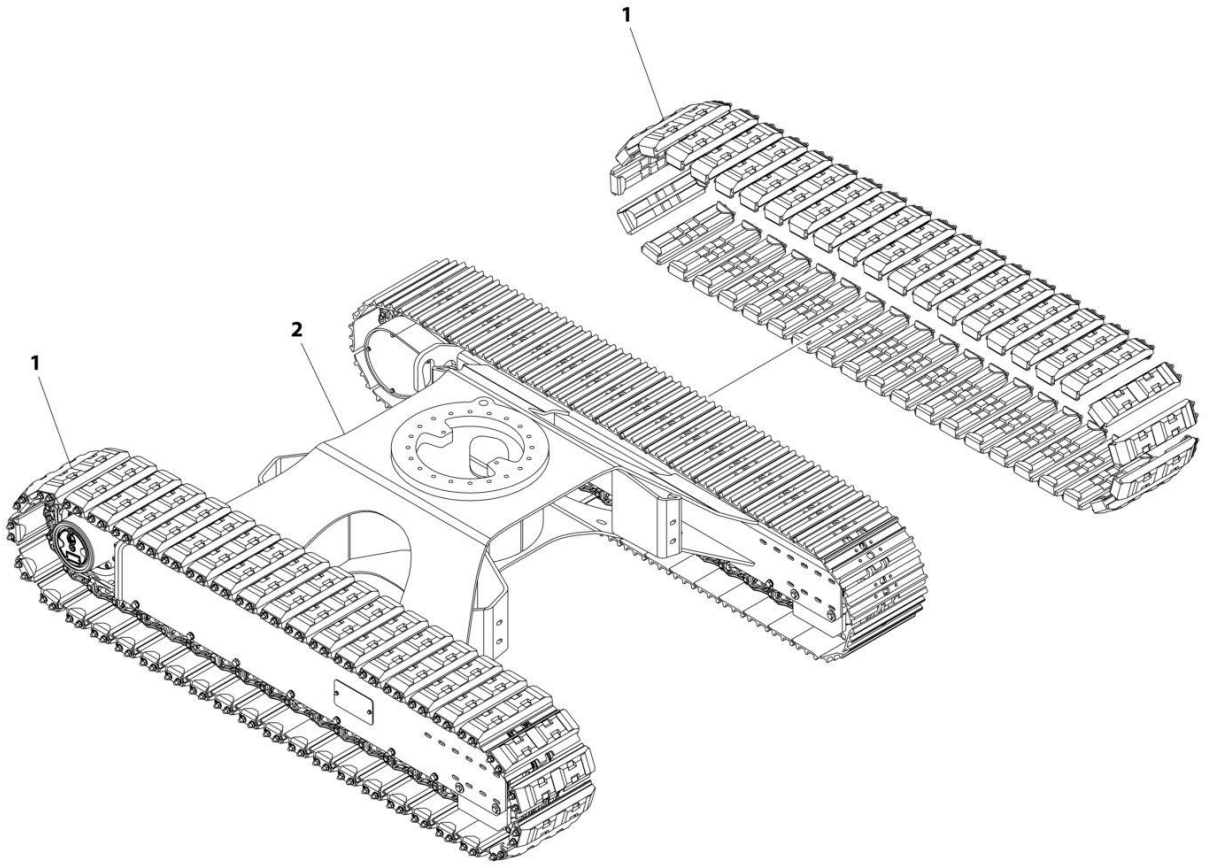


FIGURE 1-3. FRAME UNDERCARRIAGE STEEL TRACKS WITH PADS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244421	Ref	FRAME UNDERCARRIAGE STEEL TRACKS WITH PADS	B
1	1001236608	1	Undercarriage Assembly (See Separate Breakdown in this Section)	
2	1001189805	2	Track Assembly - Steel (See Separate Breakdown in this Section)	
3	1001219904	86	Pad, Track	

FIGURE 1-4. UNDERCARRIAGE ASSEMBLY - WITH STEEL TRACKS

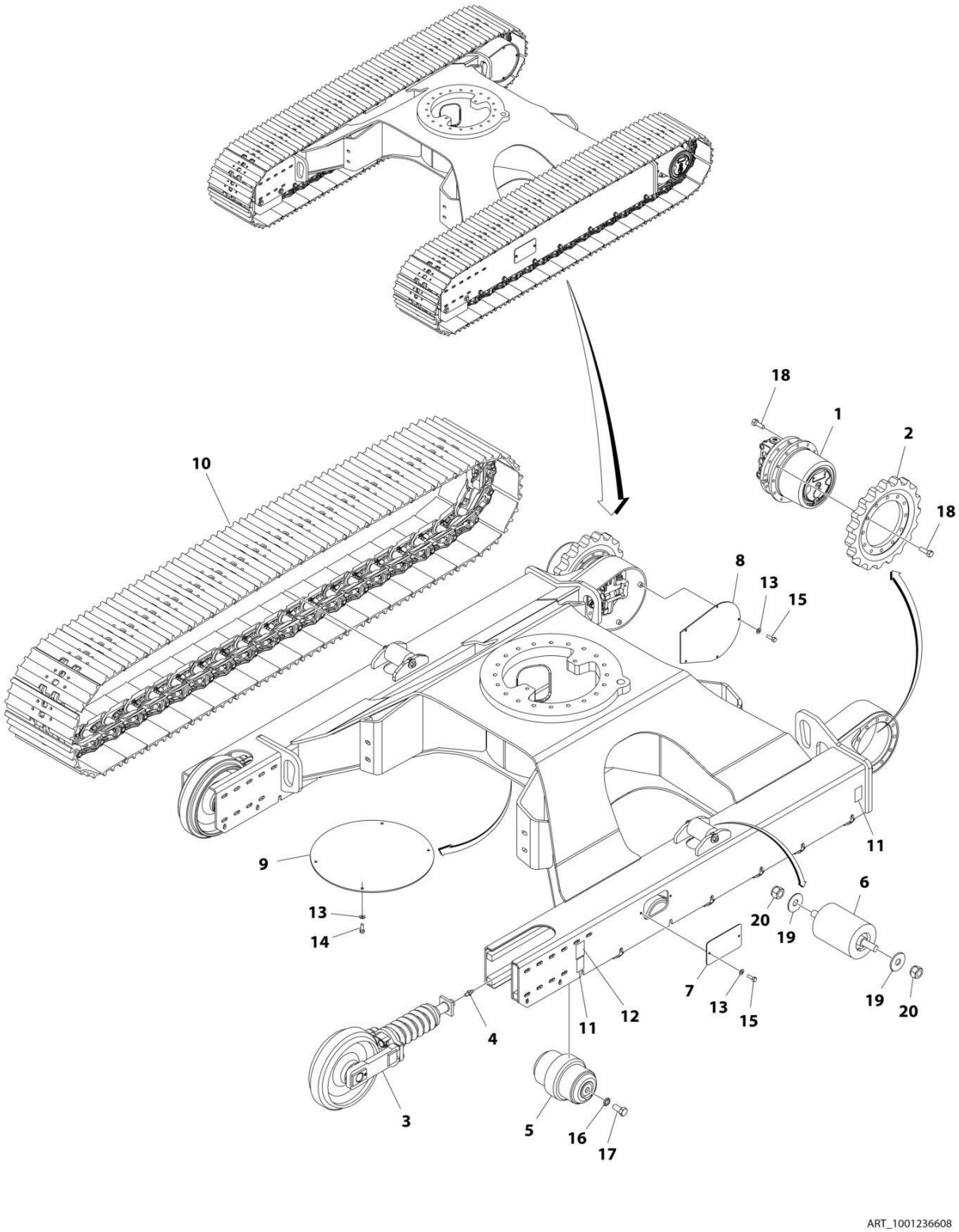


FIGURE 1-4. UNDERCARRIAGE ASSEMBLY - WITH STEEL TRACKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236608	Ref	UNDERCARRIAGE ASSEMBLY	C
1	70005275	2	Drive Hub Assembly (See Separate Breakdown in this Section)	
2	70005276	2	Sprocket, Drive	
3	70007471	2	Idler, Assembly	
4	70005278	2	Fitting, Grease	
5	70007472	14	Track Roller Assembly - Lower	
6	70005280	2	Track Roller Assembly - Upper	
7	70005281	2	Plate, Cover - Frame Side	
8	70005282	2	Plate, Cover - Drive Motor	
9	70005283	1	Plate, Cover - Frame Bottom	
10	1001189805	2	Track, Steel (See Separate Breakdown in this Section)	
11	1703814	4	Decal - Tie Down	
12	1701499	2	Decal - No Lifting	
13	70005284	18	Washer M8	
14	70005285	4	Bolt M8 x 20	
15	70005286	12	Bolt M8 x 16	
16	70007406	28	Washer M16	
17	70005288	28	Bolt M16 x 35	
18	70005289	48	Bolt M14 x 40	
19	70007409	4	Washer M14	
20	70005291	4	Nut M8	

FIGURE 1-5. TRACK ASSEMBLY - STEEL

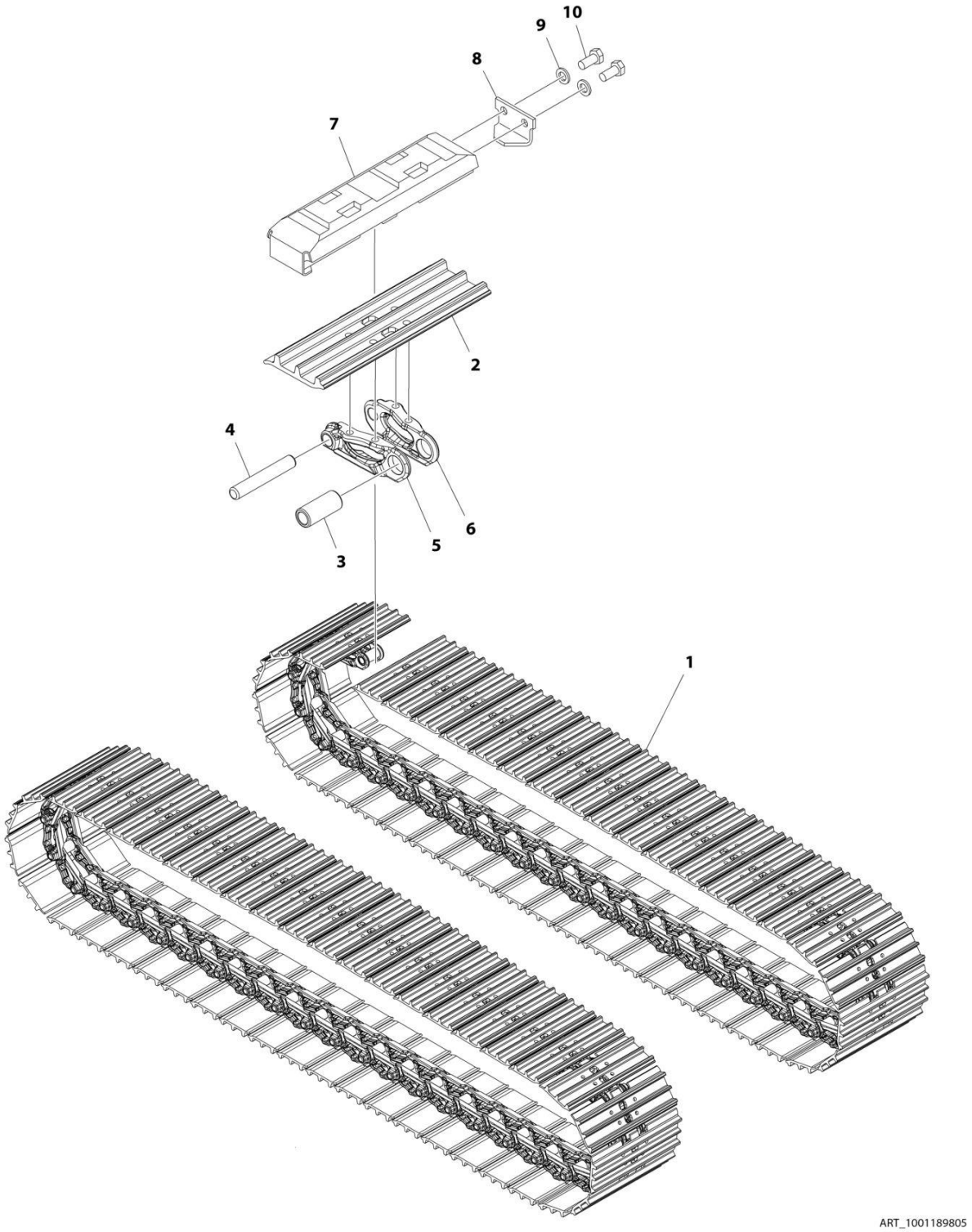


FIGURE 1-5. TRACK ASSEMBLY - STEEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189805	Ref	TRACK ASSEMBLY - STEEL	D
1	See Note	2	Track, Steel (Note: Purchase p/n 1001189805)	
2	See Note	NSS	Cleat, Track (Note: Not Available for Purchase)	
3	See Note	NSS	Bearing (Note: Not Available for Purchase)	
4	See Note	NSS	Pin, Hinge (Note: Not Available for Purchase)	
5	See Note	NSS	Link, Right (Note: Not Available for Purchase)	
6	See Note	NSS	Link, Left (Note: Not Available for Purchase)	
7	70005368	1	Pads, Rubber	
8	70005369	1	Plate, Mounting	
9	70005370	2	Washer M14	
10	70005371	2	Bolt M14 x 35	
11	70005367	1	Pad, Rubber (Not Shown)	

FIGURE 1-6. DRIVE HUB ASSEMBLY

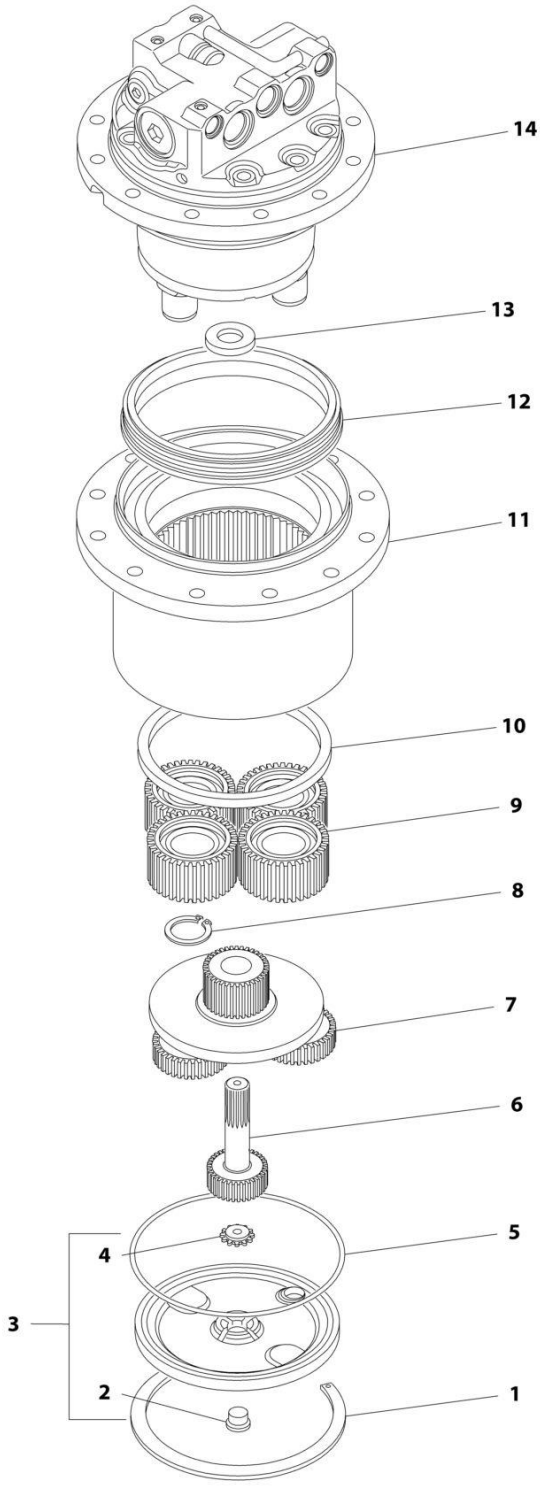


FIGURE 1-6. DRIVE HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70005275	Ref	DRIVE HUB ASSEMBLY	
1	70005343	1	Retainer	
2	70005344	2	Plug	
3	70005345	1	Cover (Includes Items 2 & 4)	
4	70005346	1	Pad	
5	70005347	1	O-Ring	
6	70005348	1	Gear, Sun	
7	70005349	1	Gear, Reduction Assembly	
8	70005350	4	Retainer	
9	70005351	4	Gear, Planetary Assembly	
10	70005352	1	Nut	
11	70005353	1	Housing w/Bearing	
12	70005354	1	Gasket	
13	70005355	1	Ring, Centering	
14	70005356	1	Drive Motor Assembly (See Separate Breakdown in this Section)	

FIGURE 1-7. DRIVE MOTOR ASSEMBLY

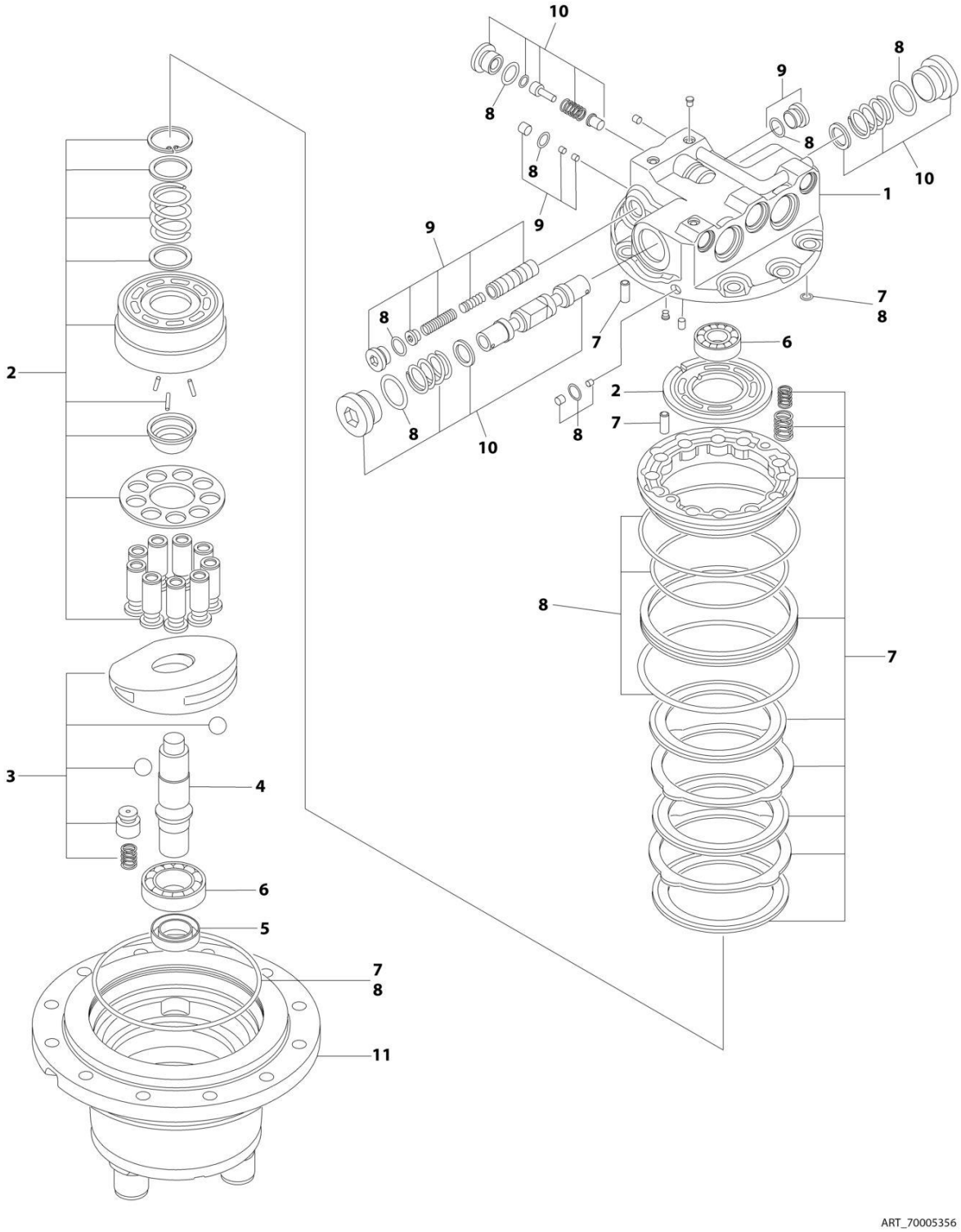


FIGURE 1-7. DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70005356	1	DRIVE MOTOR ASSEMBLY	
1	70005357	1	Base Plate Assembly	
2	70005358	1	Block, Cylinder	
3	70005359	1	Plate, Swash	
4	70005360	1	Shaft	
5	70005361	1	Seal Kit - Motor	
6	70005362	1	Bearing Kit	
7	70005363	1	Brake Kit	
8	70005364	1	Seals	
9	70005365	1	Speed Spool Kit	
10	70005366	1	Flushing Kit	
11	See Note	NSS	Housing (Note: Not Available for Purchase)	

SECTION 2 - TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATION (400SC)

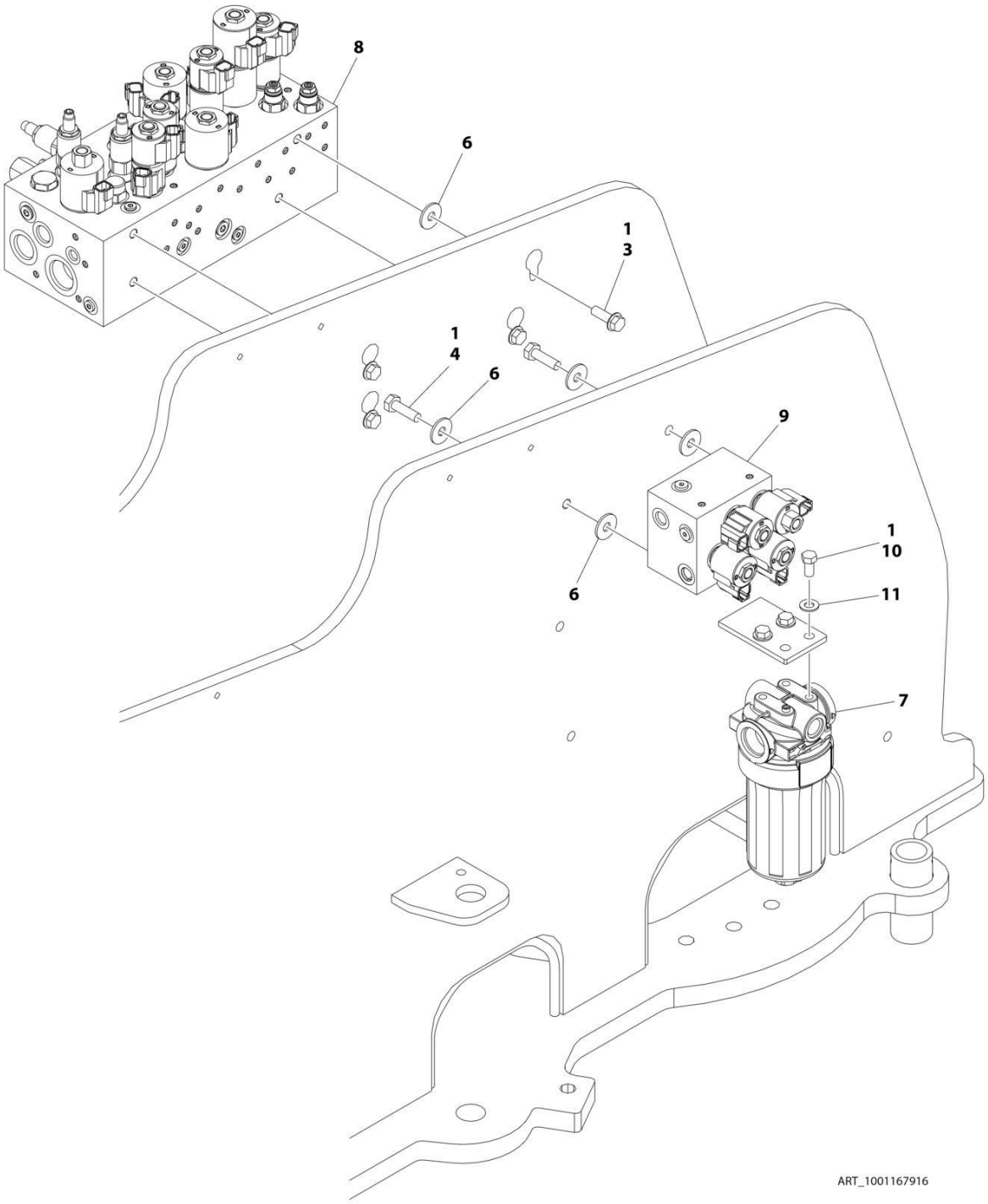


FIGURE 2-1. CONTROL VALVES INSTALLATION (400SC)

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 (460SJC)

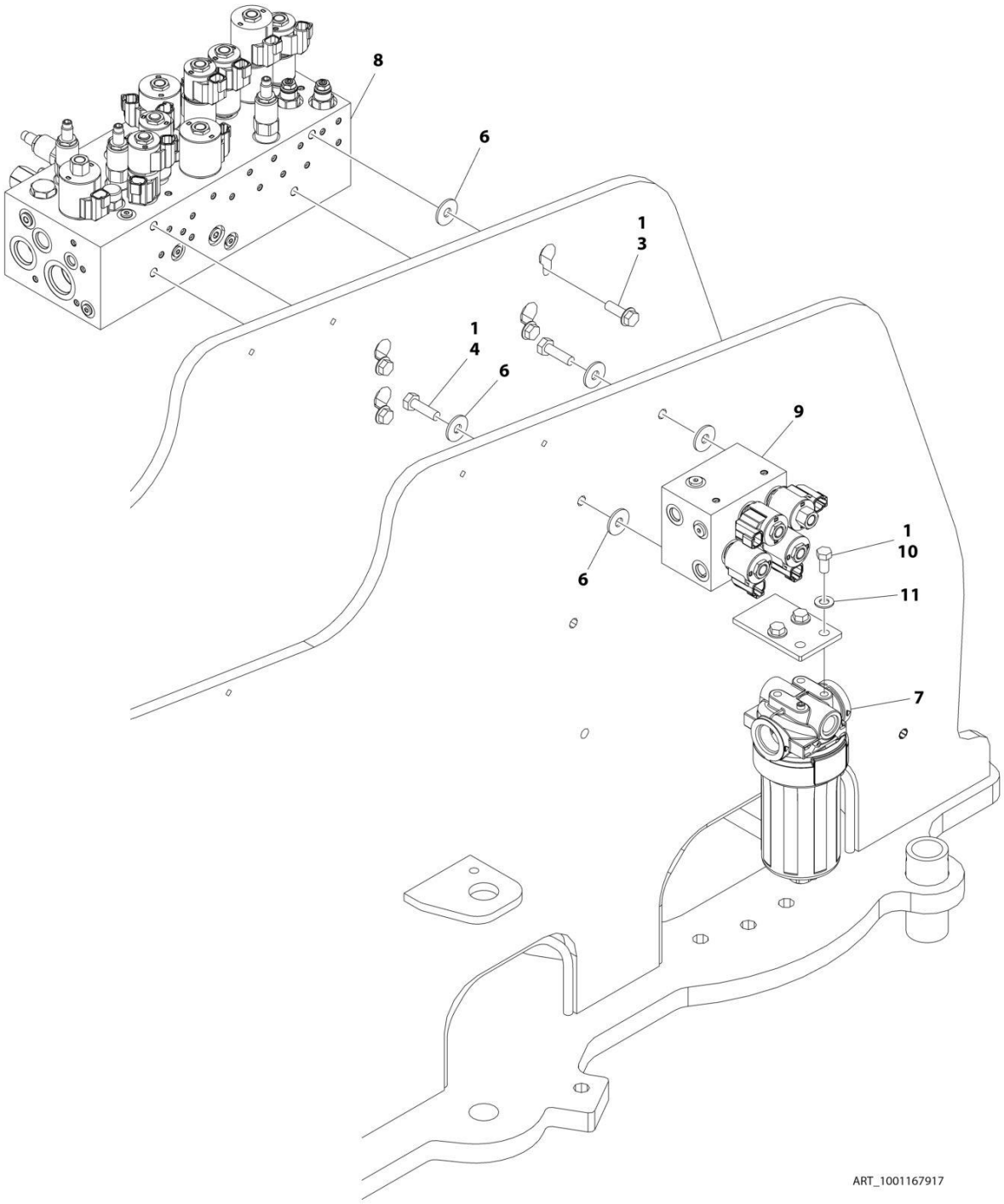


FIGURE 2-2. CONTROL VALVES INSTALLATION (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167917	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	1001162532	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 2-3. MAIN VALVE ASSEMBLY (400SC)

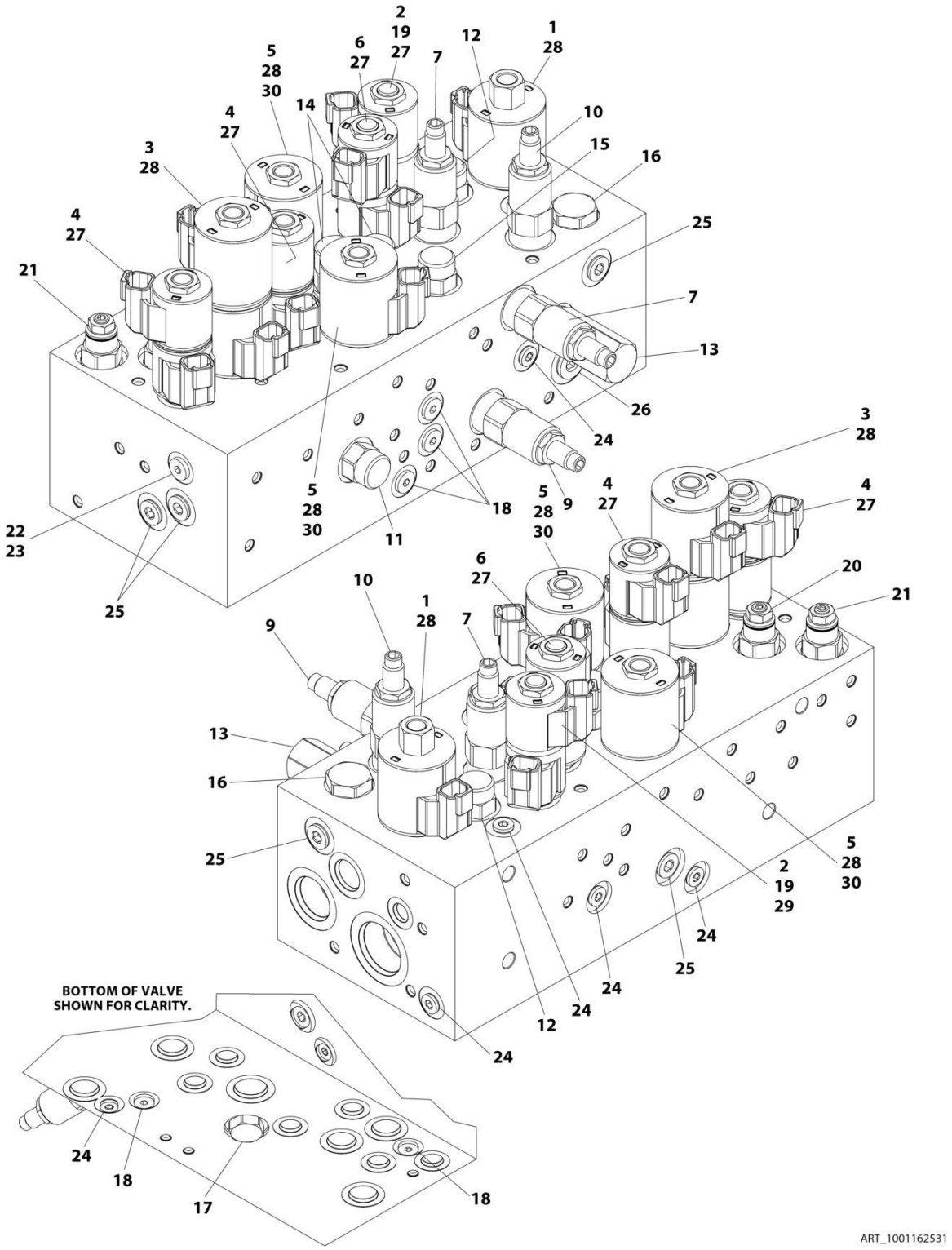


FIGURE 2-3. MAIN VALVE ASSEMBLY (400SC)

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. MAIN VALVE ASSEMBLY (460SJC)

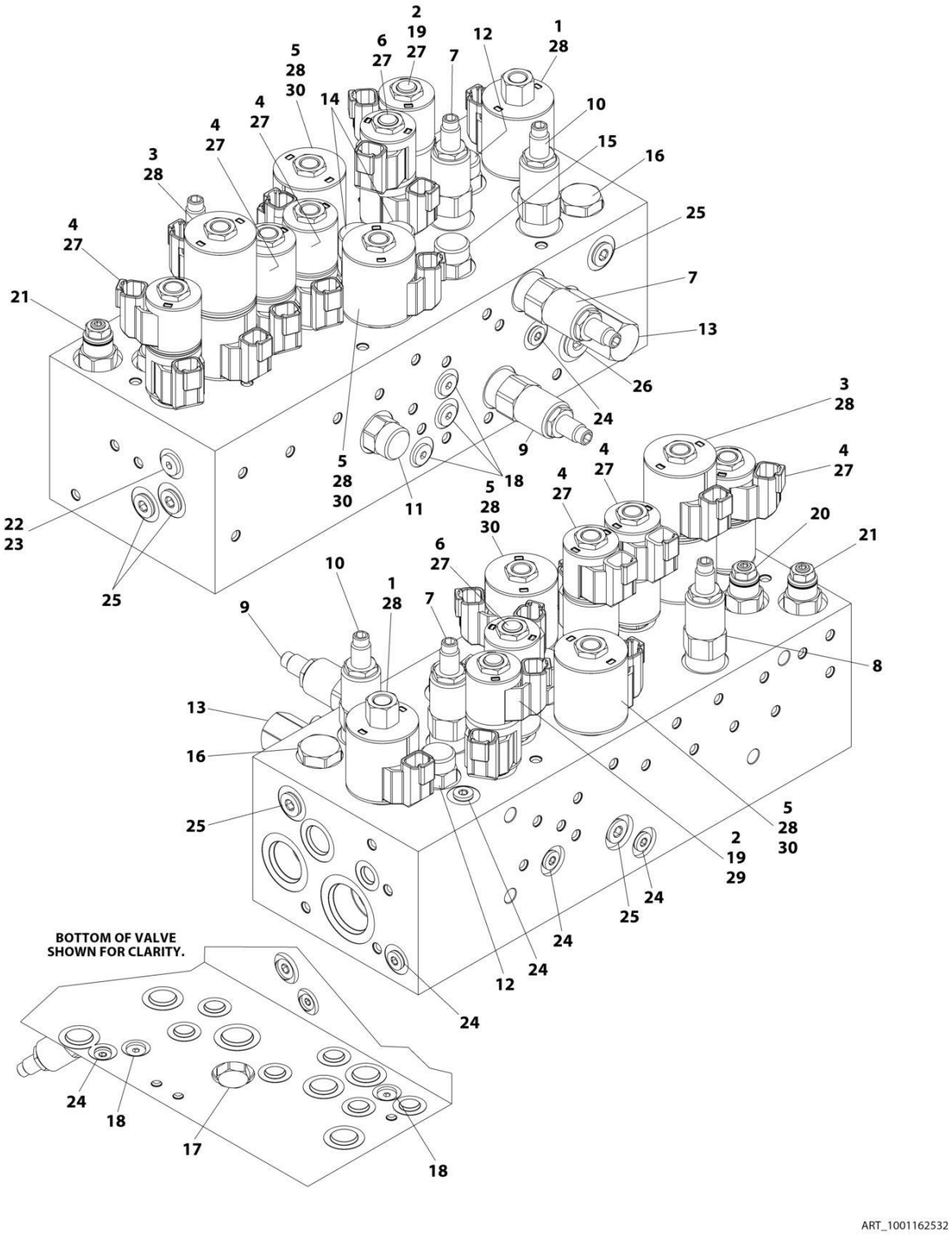


FIGURE 2-4. MAIN VALVE ASSEMBLY (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162532	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	3	Cartridge, Solenoid Valve Less Coil (Platform Level, Platform Rotate and Jib Lift))	
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	70005078	2	Cartridge, Relief Valve	
7	7023936	2	Seal Kit - 70005078 Valve	
8	70005093	1	Cartridge, 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	70005108	1	Cartridge, Valve	
20	2900770	1	Seal Kit - 70005108 Valve	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	70005109	1	Cartridge, Valve	
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	70002386	8	Coil	
28	70003788	5	Coil	
29	70005219	2	Coil	
30	70005724	2	Lockdown Kit	

FIGURE 2-5. AXLE VALVE ASSEMBLY

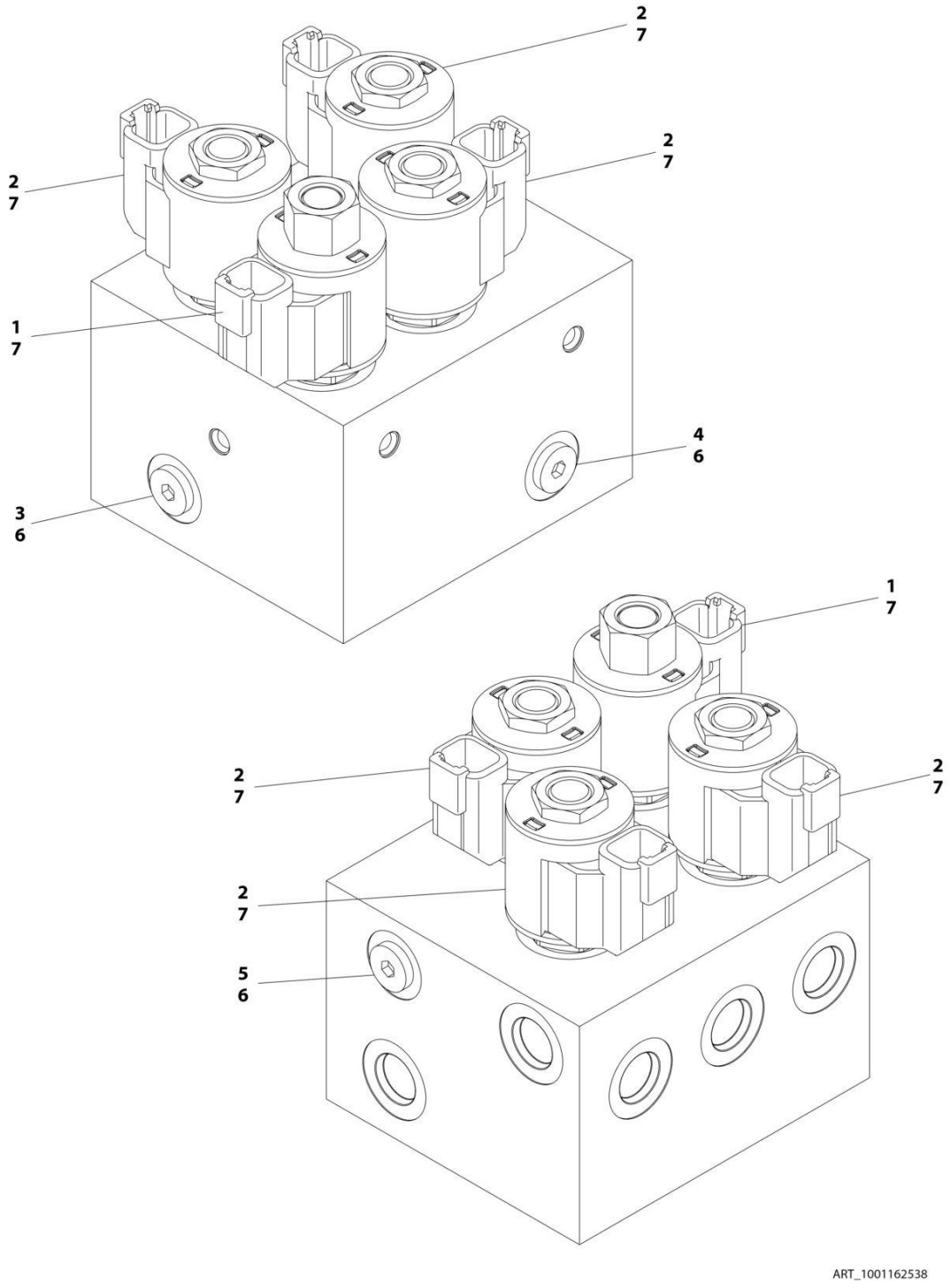


FIGURE 2-5. AXLE VALVE ASSEMBLY

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. AUXILIARY PUMP AND BATTERY INSTALLATION (WITHOUT DISCONNECT)

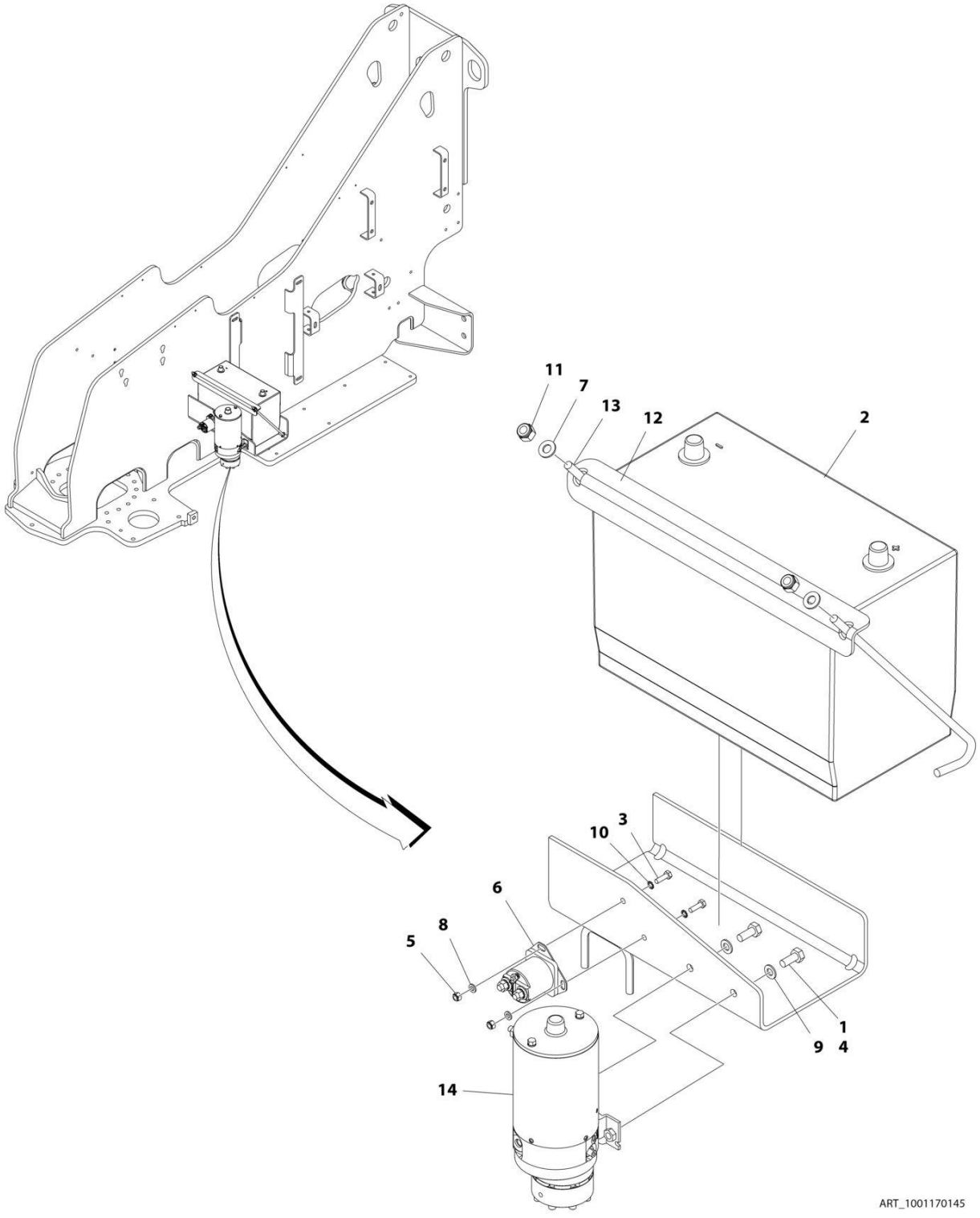


FIGURE 2-6. AUXILIARY PUMP AND BATTERY INSTALLATION (WITHOUT DISCONNECT)

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 2-7. AUXILIARY PUMP AND BATTERY INSTALLATION (WITH DISCONNECT)

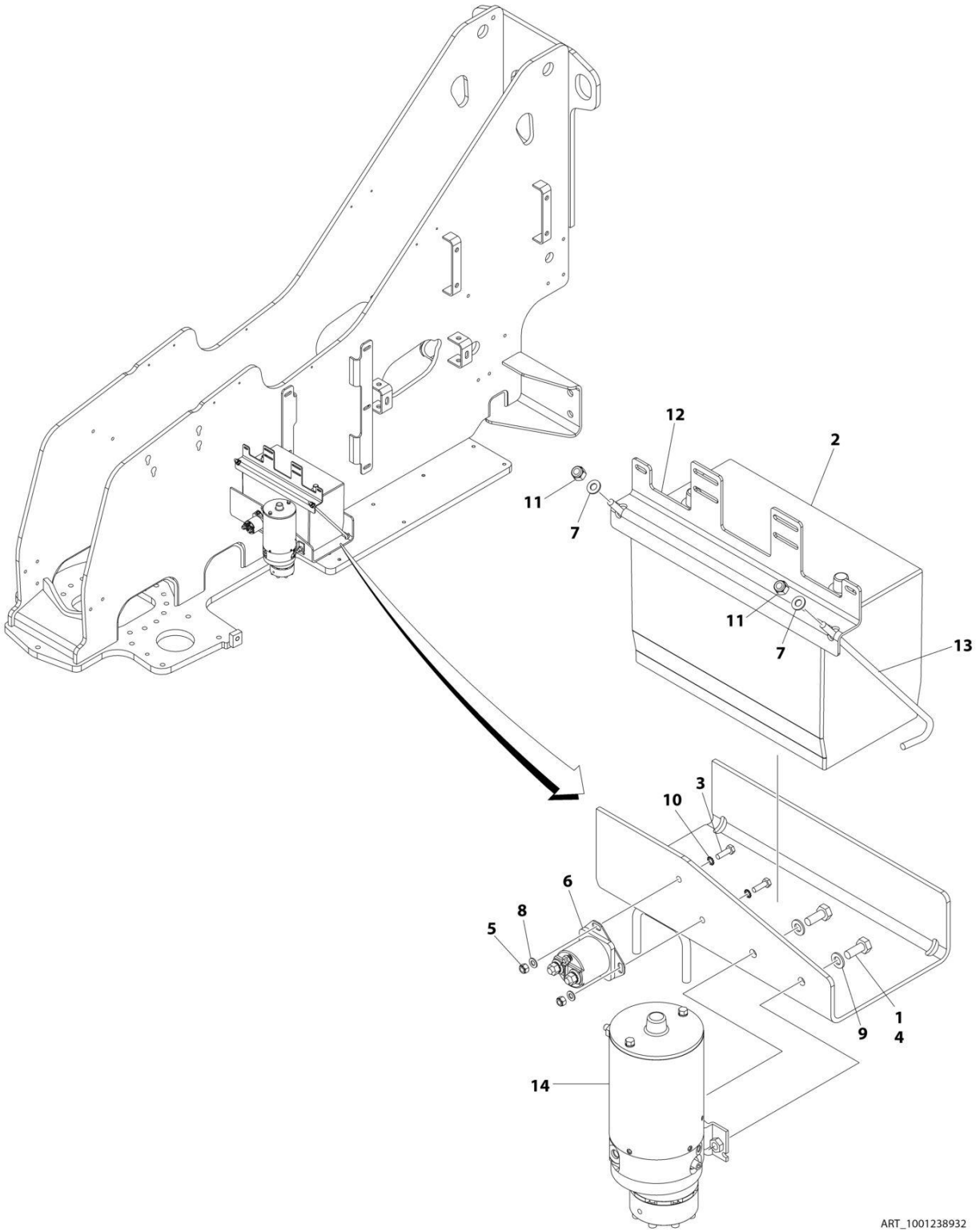


FIGURE 2-7. AUXILIARY PUMP AND BATTERY INSTALLATION (WITH DISCONNECT)

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 2-8. AUXILIARY PUMP ASSEMBLY

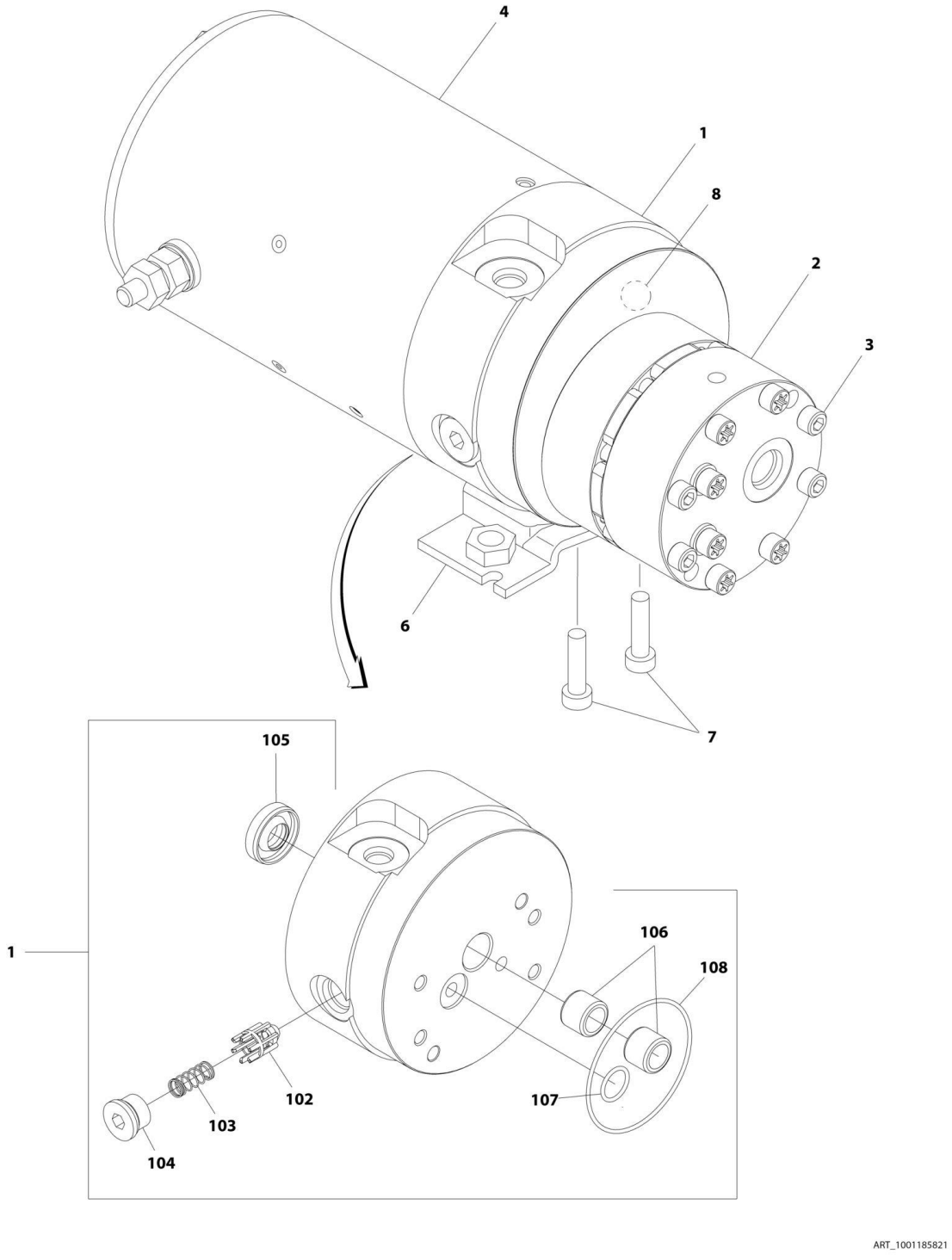


FIGURE 2-8. AUXILIARY PUMP ASSEMBLY

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 2-9. SWING DRIVE INSTALLATION

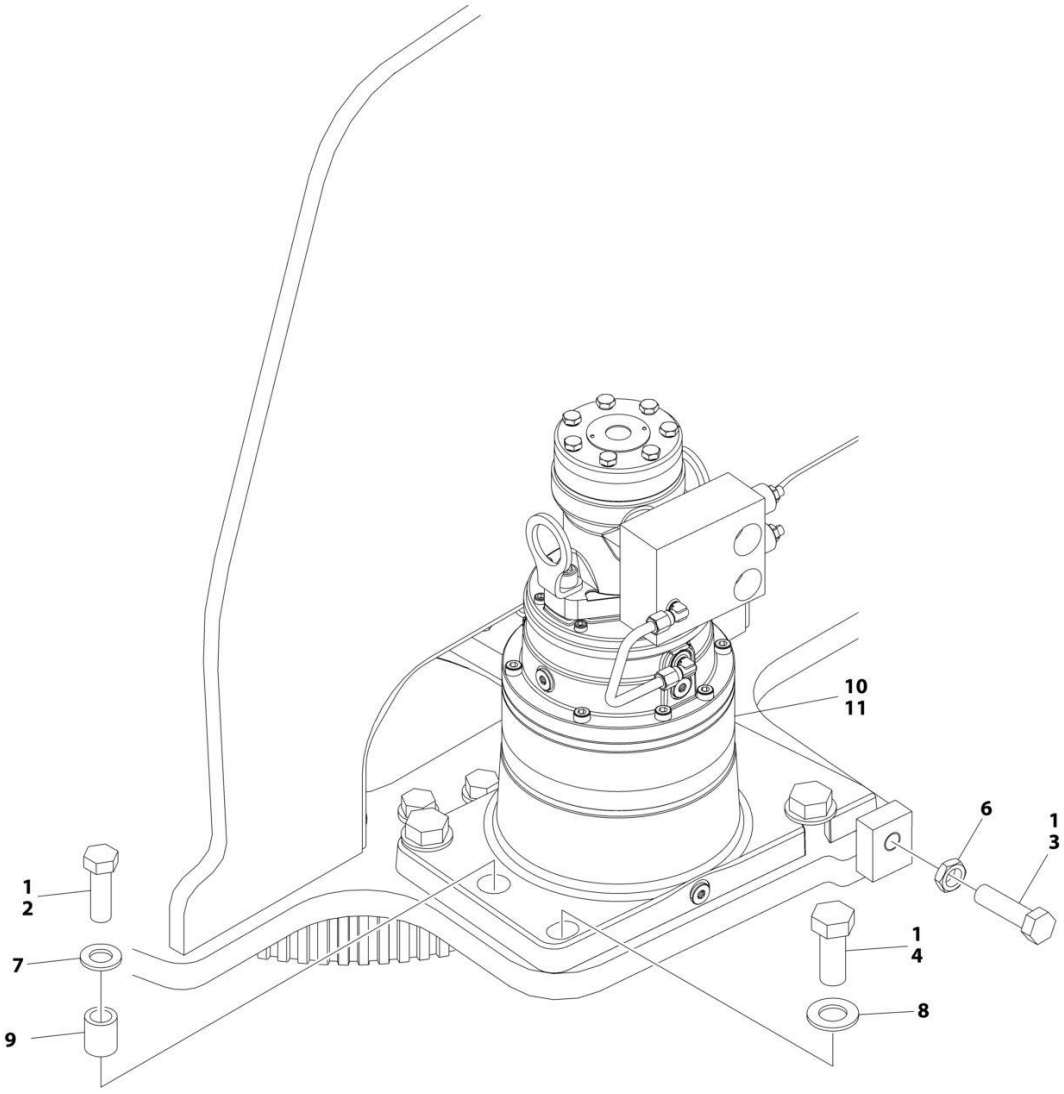
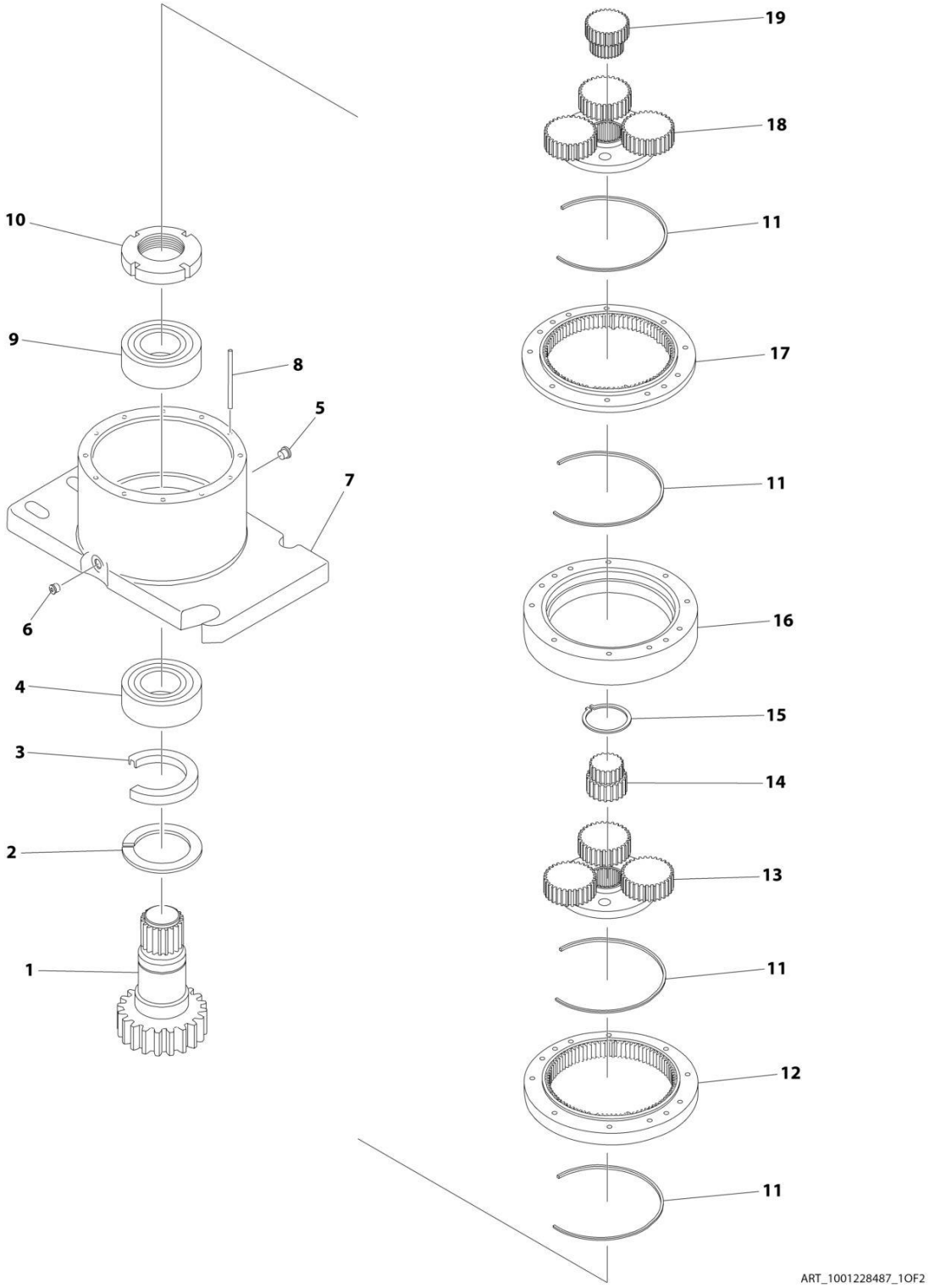
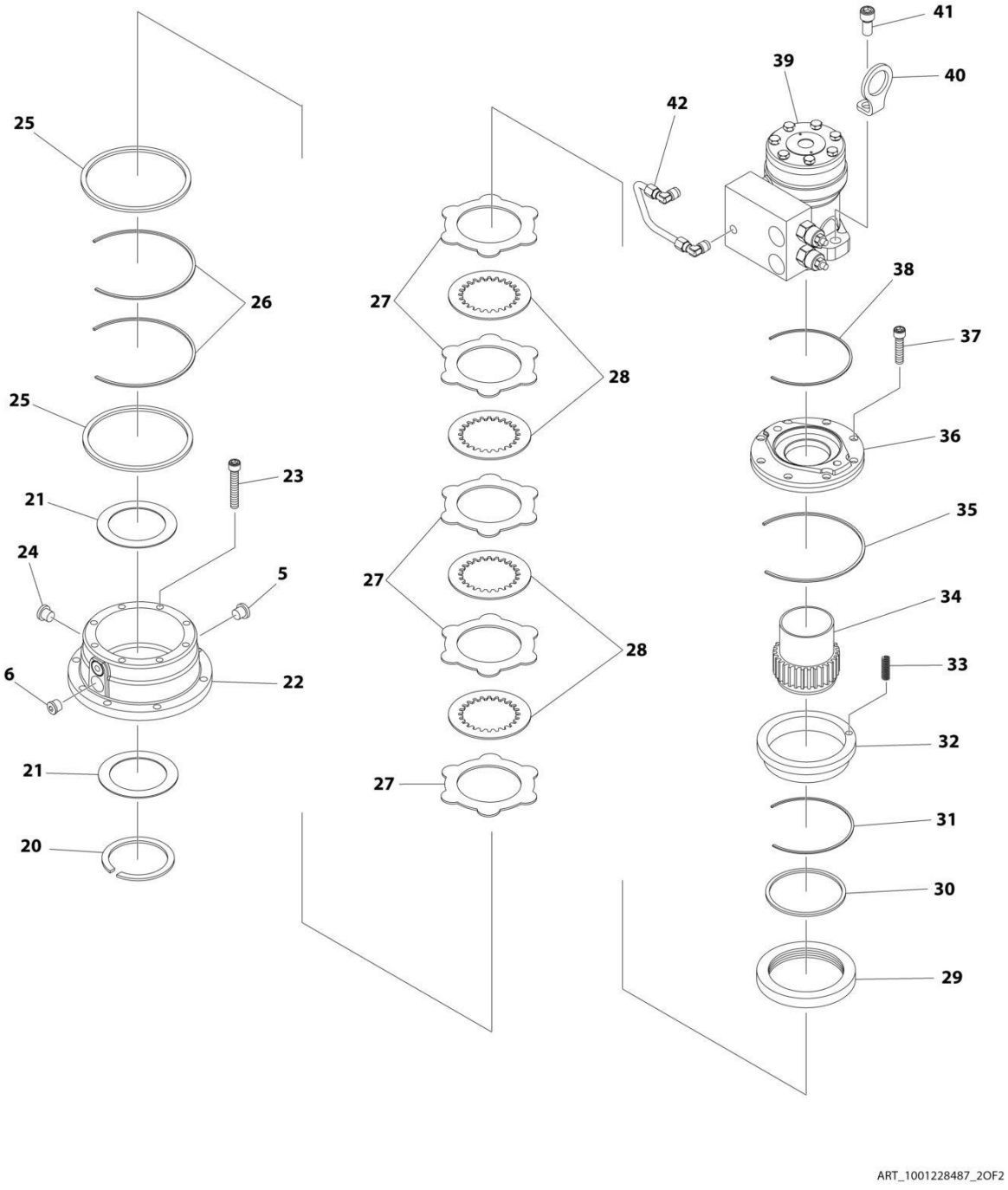


FIGURE 2-9. SWING DRIVE INSTALLATION

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 2-10. SWING HUB/MOTOR ASSEMBLY



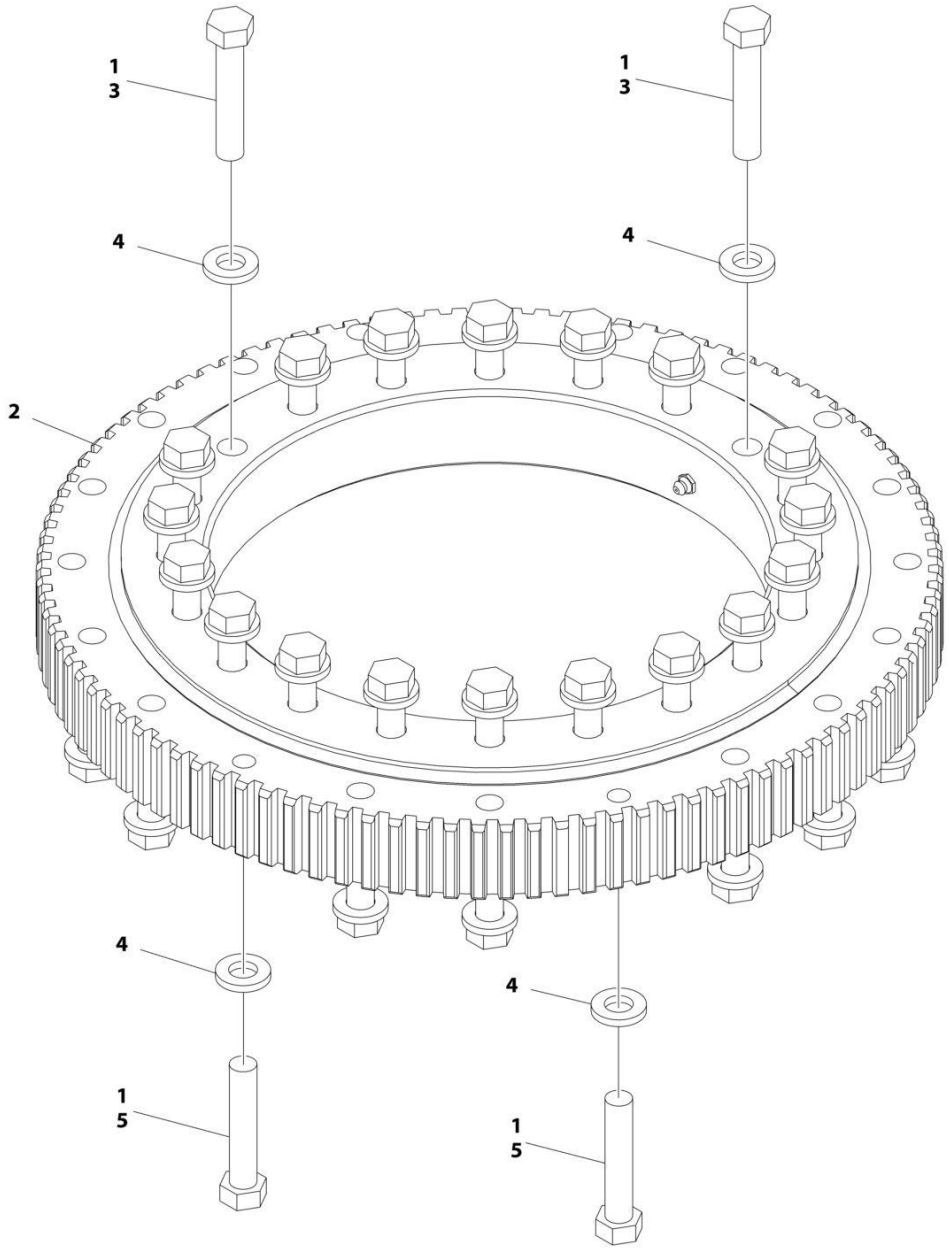


ART_1001228487_2OF2

FIGURE 2-10. SWING HUB/MOTOR 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 2-11. TURNTABLE BEARING INSTALLATION



ART_1001202494

FIGURE 2-11. TURNTABLE BEARING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202494	Ref	TURNTABLE BEARING INSTALLATION	A
1	0100019	AR	Compound, Locking	
2	0440240	1	Bearing, Turntable	
3	0682026	20	Bolt 5/8 x 3-1/4 (Grade 8)	
4	4892000	40	Washer 5/8	
5	0682034	20	Bolt 5/8 x 4-1/4	

FIGURE 2-12. BEARING LUBE INSTALLATION

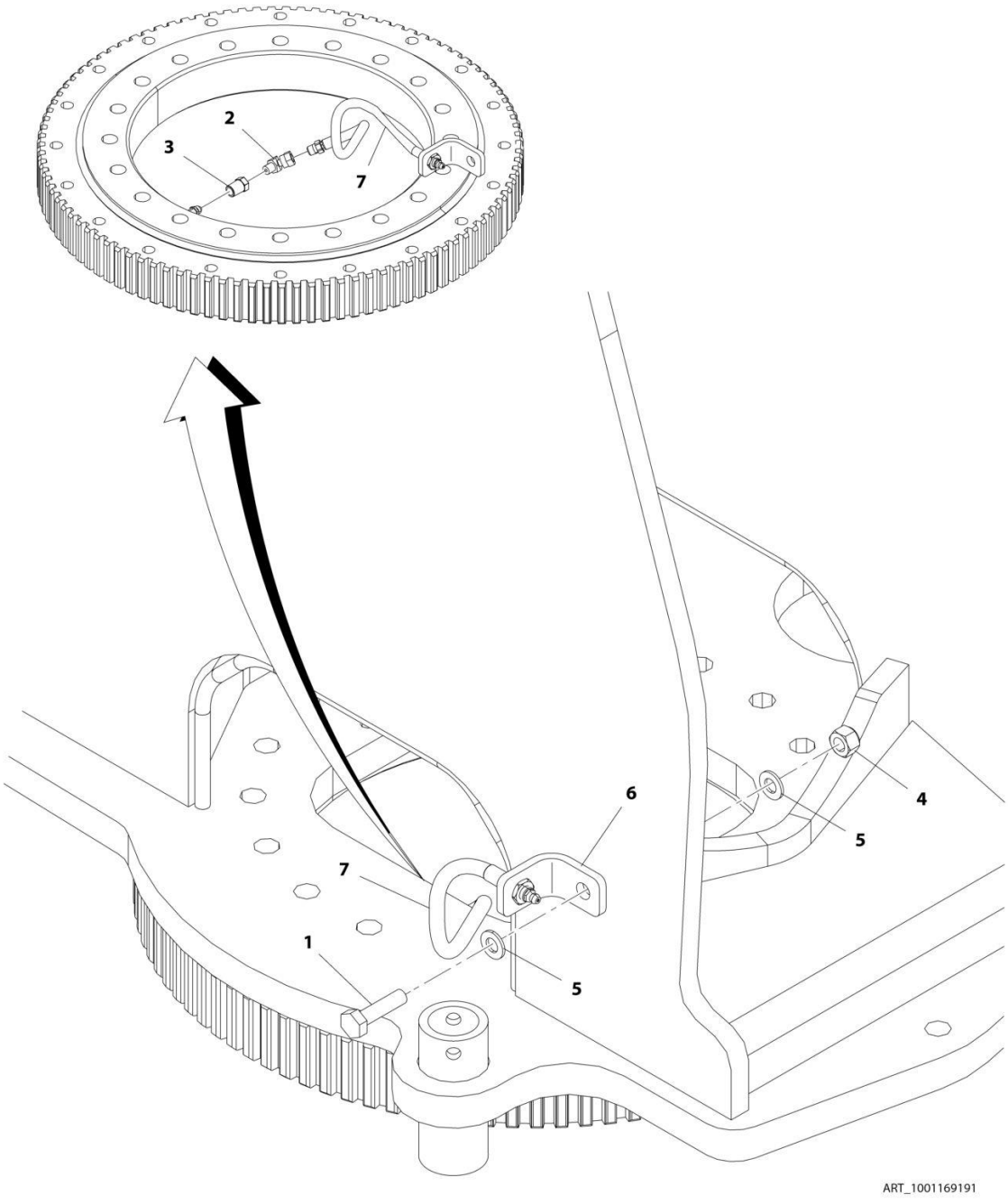


FIGURE 2-12. BEARING LUBE INSTALLATION

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 2-13. TURNTABLE COVERS INSTALLATION

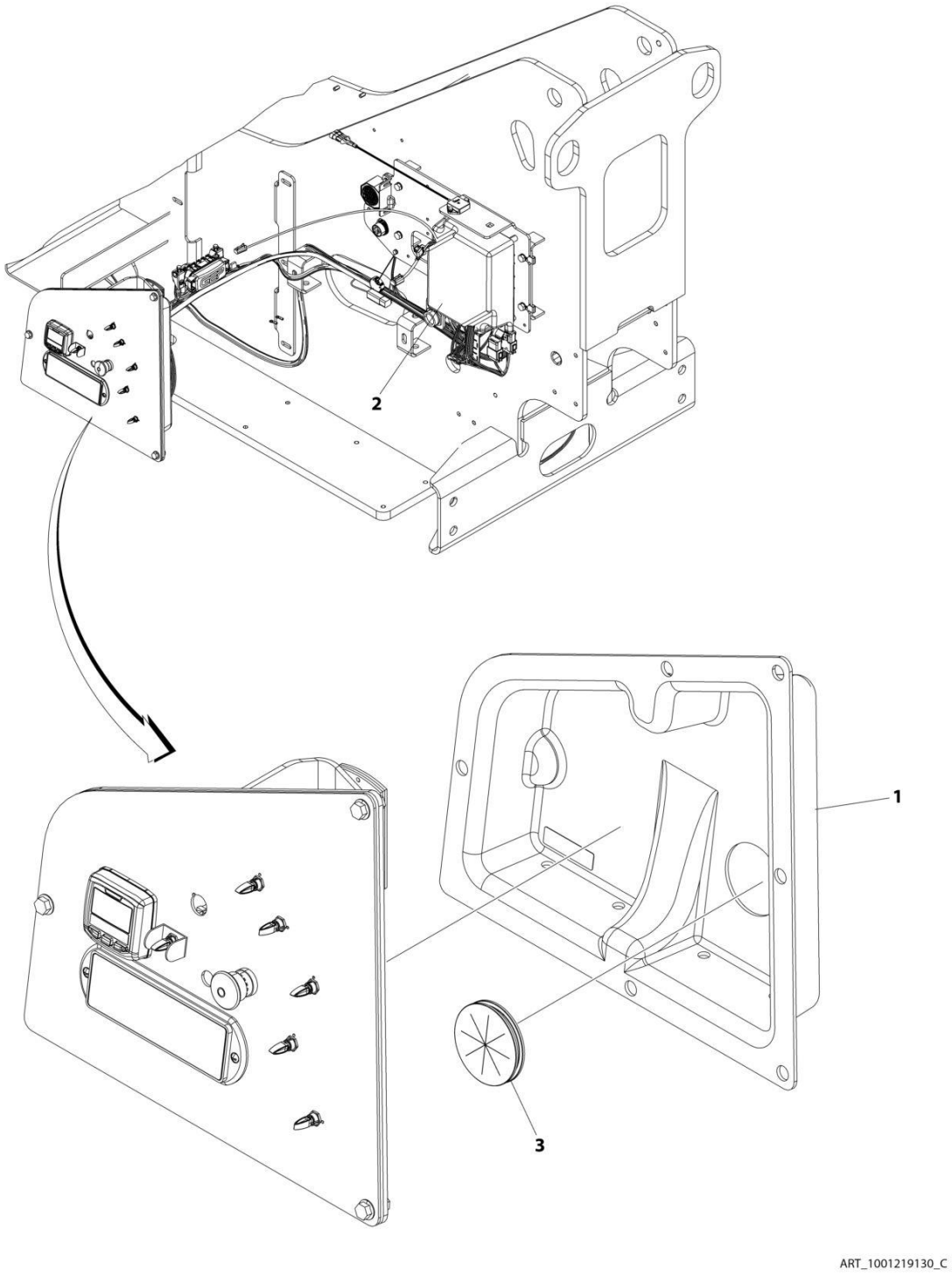


FIGURE 2-13. TURNTABLE COVERS INSTALLATION

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

FIGURE 2-14. TURNTABLE LOCK INSTALLATION

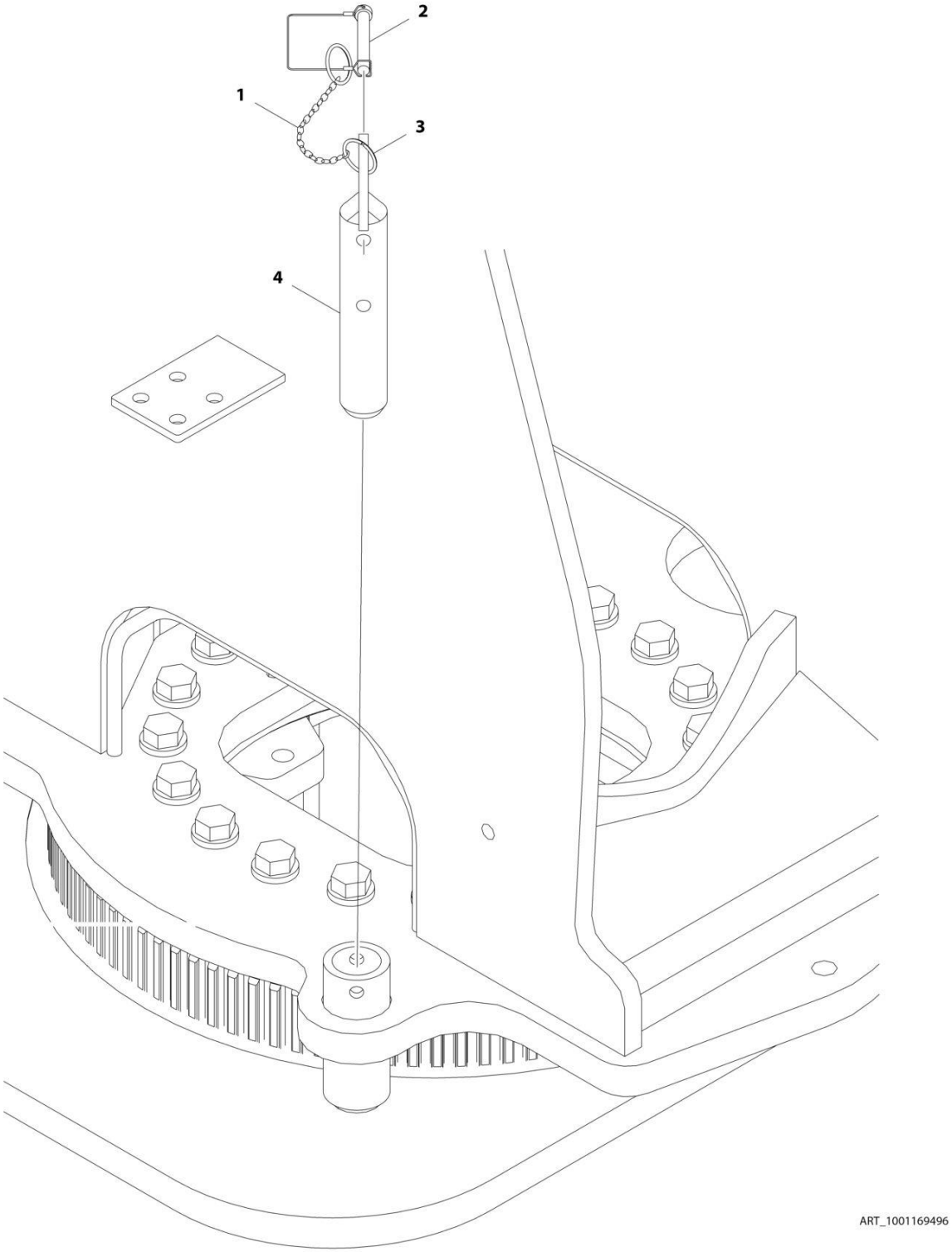


FIGURE 2-14. TURNTABLE LOCK INSTALLATION

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 2-15. ROTARY COUPLING INSTALLATION

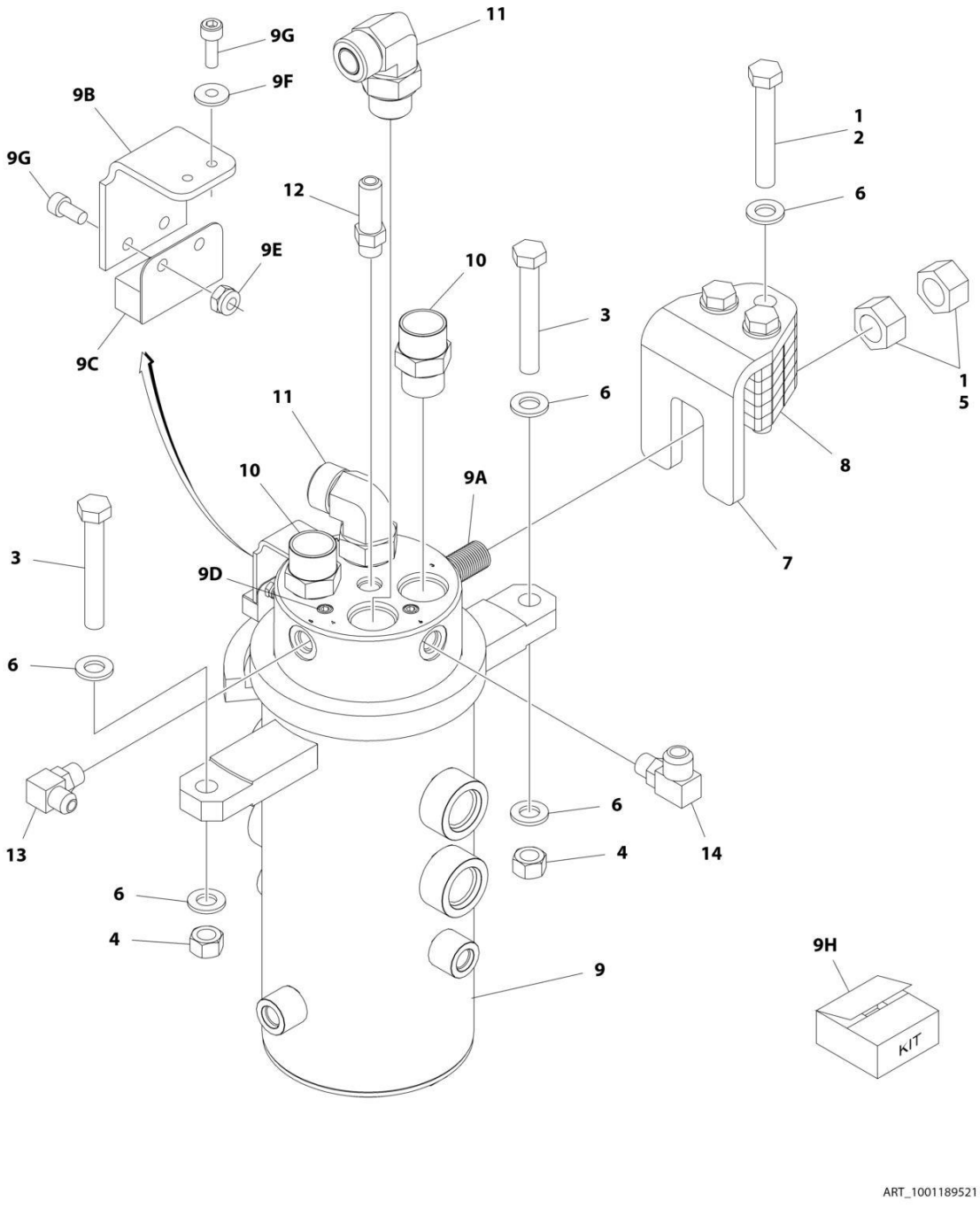


FIGURE 2-15. ROTARY COUPLING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189521	Ref	ROTARY COUPLING INSTALLATION (WITHOUT TURNTABLE BEARING SPACER)	G
1	0100011	AR	Compound, Locking	
2	0701224	3	Bolt M12 x 80	
3	0761227	2	Bolt M12 x 100	
3	0701225	2	Bolt M12 x 85	
4	3291207	2	Nut M12	
5	3322201	2	Nut 3/4	
6	4812100	7	Washer M12	
7	1001106837	1	Mount, Swivel	
8	1001189522	5	Shim, Swivel Mount	
9	1001189523	1	Coupling, Swivel 7 Port	
9A	70005244	1	Lug	
9B	70003454	1	Bracket, Switch Mounting	
9C	4360517	1	Switch, Proximity	
9D	2200221	2	Plug	
9E	3311005	2	Nut, Lock #10	
9F	4711000	2	Washer #10	
9G	3931008	2	Screw #10 x 1/2	
9H	70005322	1	Seal Kit - 1001189523 Coupling	
10	2111212	2	Adapter	
11	2131212	2	Fitting, 90 ORFS/ORB	
12	2220998	1	Fitting, 90 JIC/ORB	
13	2220473	1	Fitting, 90 JIC/ORB	
14	2220726	1	Fitting, 90 JIC/ORB	

FIGURE 2-16. TANKS INSTALLATION

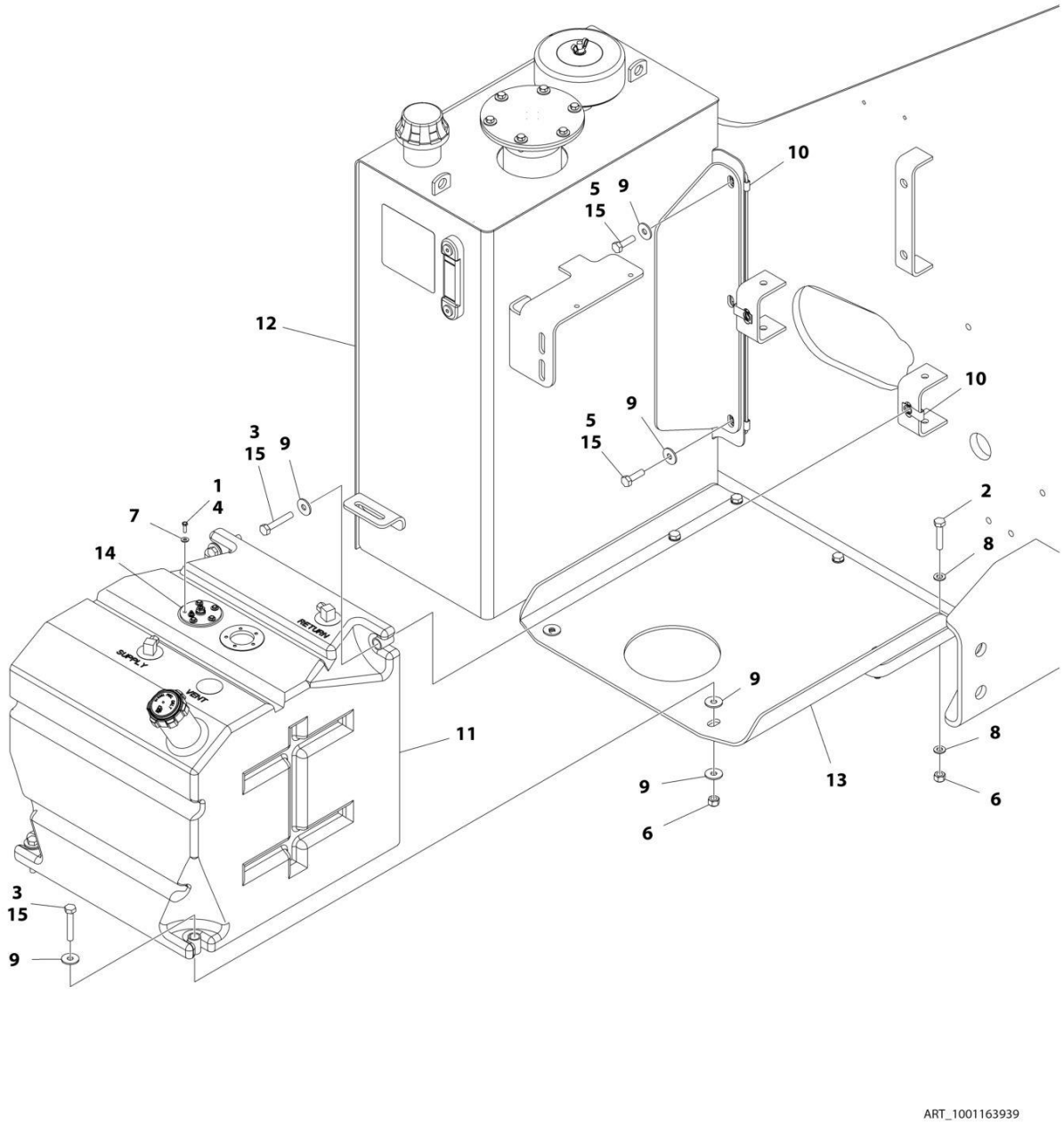


FIGURE 2-16. TANKS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163939	Ref	TANKS INSTALLATION	G
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	0761015	4	Bolt M10 x 35	
6	3291005	7	Nut M10	
7	4751000	5	Washer #10	
8	4812000	10	Washer M10	
9	4812002	12	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	1001166031	1	Tank, Hydraulic	
12	70003614	1	Filter Kit (Includes Hydraulic Filter Element, Breather Element and Gasket)	
12	70002838	1	Cap, Fill (Includes Cap, Chain and Fill Basket)	
12	7024441	1	Gauge, Sight	
13	1001166710	1	Plate	
14	1001231195	1	Sensor, Fuel Level	
15	0100011	AR	Compound, Locking	

FIGURE 2-17. ELECTRICAL INSTALLATION (400SC)

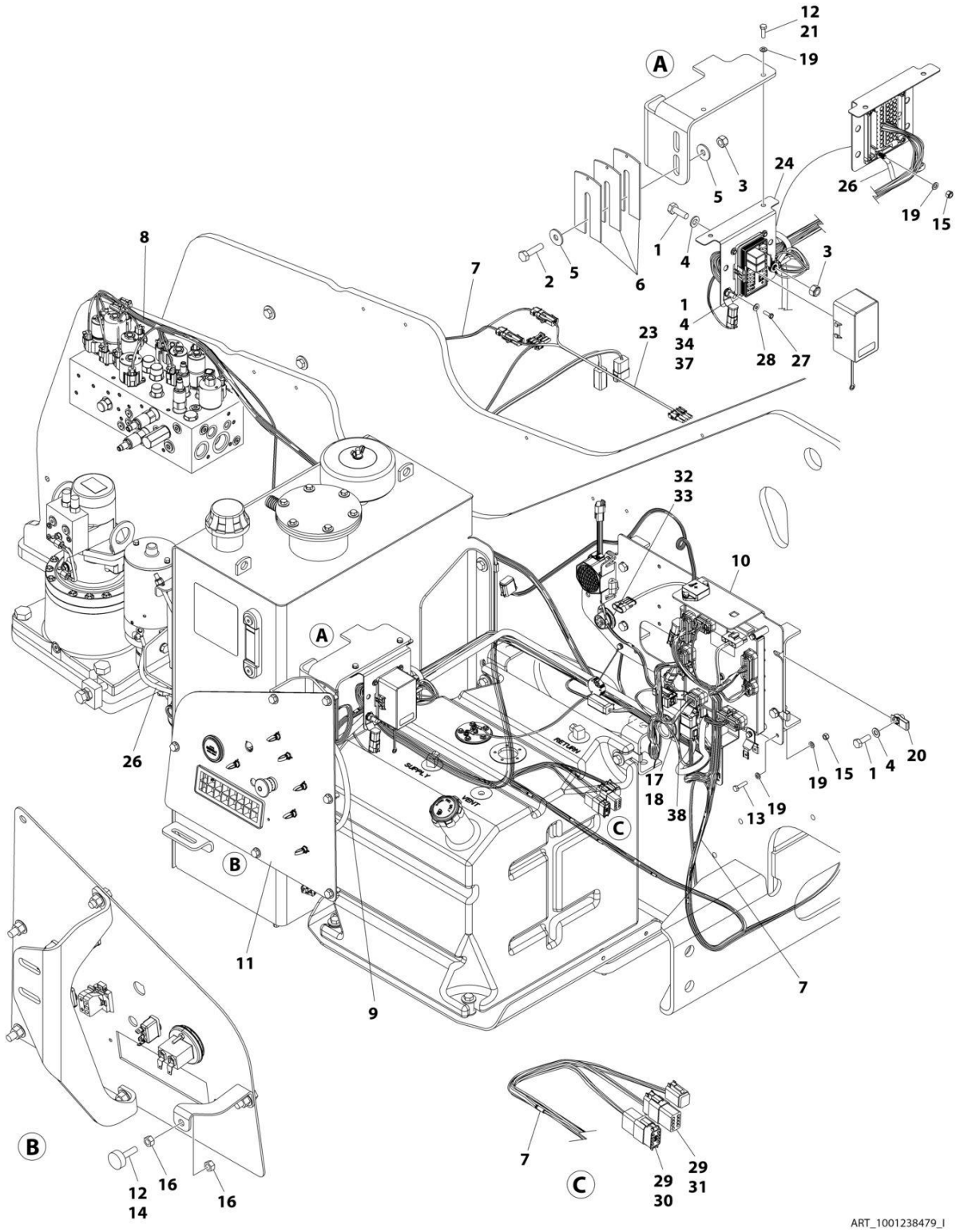


FIGURE 2-17. ELECTRICAL INSTALLATION (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238479	Ref	ELECTRICAL INSTALLATION	I
1	0761014	6	Bolt M10 x 30	
2	0761016	2	Bolt M10 x 40	
3	3291005	3	Nut M10	
4	4812000	7	Washer M10	
5	4812002	4	Washer M10	
6	1001150324	AR	Shim	
7	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
8	1001284823	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
9	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
10	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
11	1001239294	1	Ground Control Assembly (See Separate Breakdown in this Section)	
12	0100011	AR	Compound, Locking	
13	0700612	1	Bolt M6 x 25	
14	0940049	1	Stopper, Hood	
15	3290605	2	Nut M6	
16	3311501	2	Nut 5/16	
17	4460470	1	Nut, Terminal	
18	4460471	1	Washer, Terminal	
19	4811700	5	Washer M6	
20	1001118972	4	Nut M10	
21	0760610	2	Bolt M6 x 20	
22	1001239512	1	Decal - Fuse Box (Not Shown)	
23	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL Section)	
24	1001237822	1	Plate, Fuse Box	
25	1001144295	2	Cap, Connector (Not Shown)	
26	1001250681	1	Cable, Battery Negative	
27	0731005	4	Screw #10 x 5/8	
28	4711000	4	Washer #10	
29	4460466	16	Plug	
30	4460930	1	Connector	
31	4460931	1	Connector	
32	4460496	1	Washer	
33	4460497	1	Nut, Terminal	
34	3291001	1	Nut M10	
35	4240032	AR	Tie Strap (Not Shown)	
36	4460234	AR	Mount, Tie Strap (Not Shown)	
37	1001120328	1	Mount, Connector	
38	1001155743	1	Mount, Connector	
40	4240099	AR	Tie-Strap (Not Shown)	
41	1001213448	1	Connector (Not Shown)	

FIGURE 2-18. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) ENGINE (400SC)

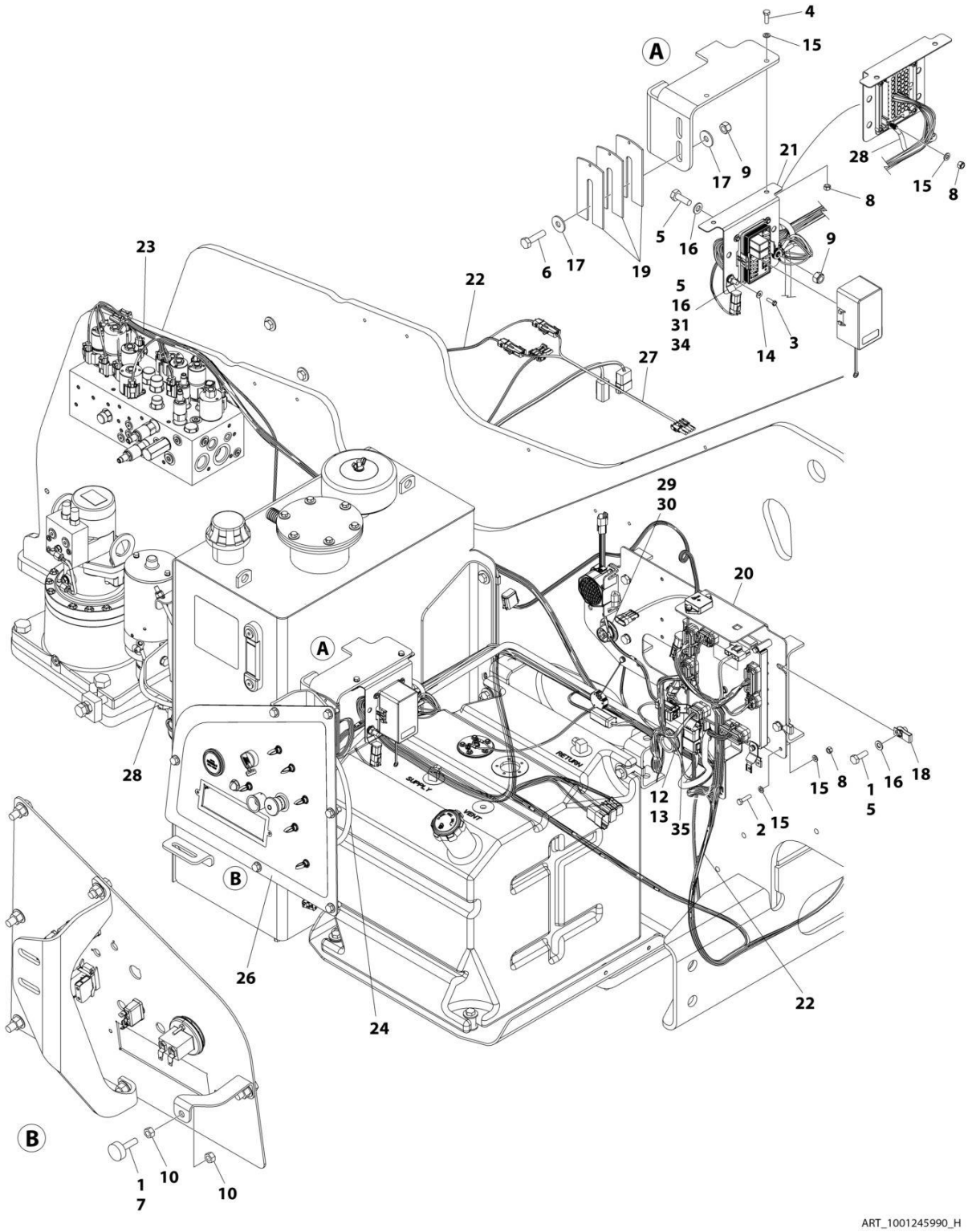


FIGURE 2-18. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) ENGINE (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245990	Ref	ELECTRICAL INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0700612	1	Bolt M6 x 25	
3	0731005	4	Screw #10 x 5/8	
4	0760610	2	Bolt M6 x 20	
5	0761014	6	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	4240099	AR	Tie-Strap (Not Shown)	
12	4460470	1	Nut, Terminal	
13	4460471	1	Washer, Terminal	
14	4711000	4	Washer #10	
15	4811700	7	Washer M6	
16	4812000	7	Washer M10	
17	4812002	4	Washer M10	
18	1001118972	4	Nut M10	
19	1001150324	AR	Shim	
20	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
21	1001237822	1	Plate, Fuse Box	
22	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
23	1001284823	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
24	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
25	1001239512	1	Decal - Fuse Box (Not Shown)	
26	1001245988	1	Ground Control Assembly (See Separate Breakdown in this Section)	
27	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL Section)	
28	1001250681	1	Cable, Battery Negative	
29	4460496	1	Washer	
30	4460497	1	Nut, Terminal	
31	3291001	1	Nut M10	
32	4240032	AR	Tie Strap (Not Shown)	
33	4460234	AR	Mount, Tie Strap (Not Shown)	
34	1001120328	1	Mount, Connector	
35	1001155743	1	Mount, Connector	
37	1001213448	1	Connector (Not Shown)	

FIGURE 2-19. ELECTRICAL INSTALLATION (460SJC)

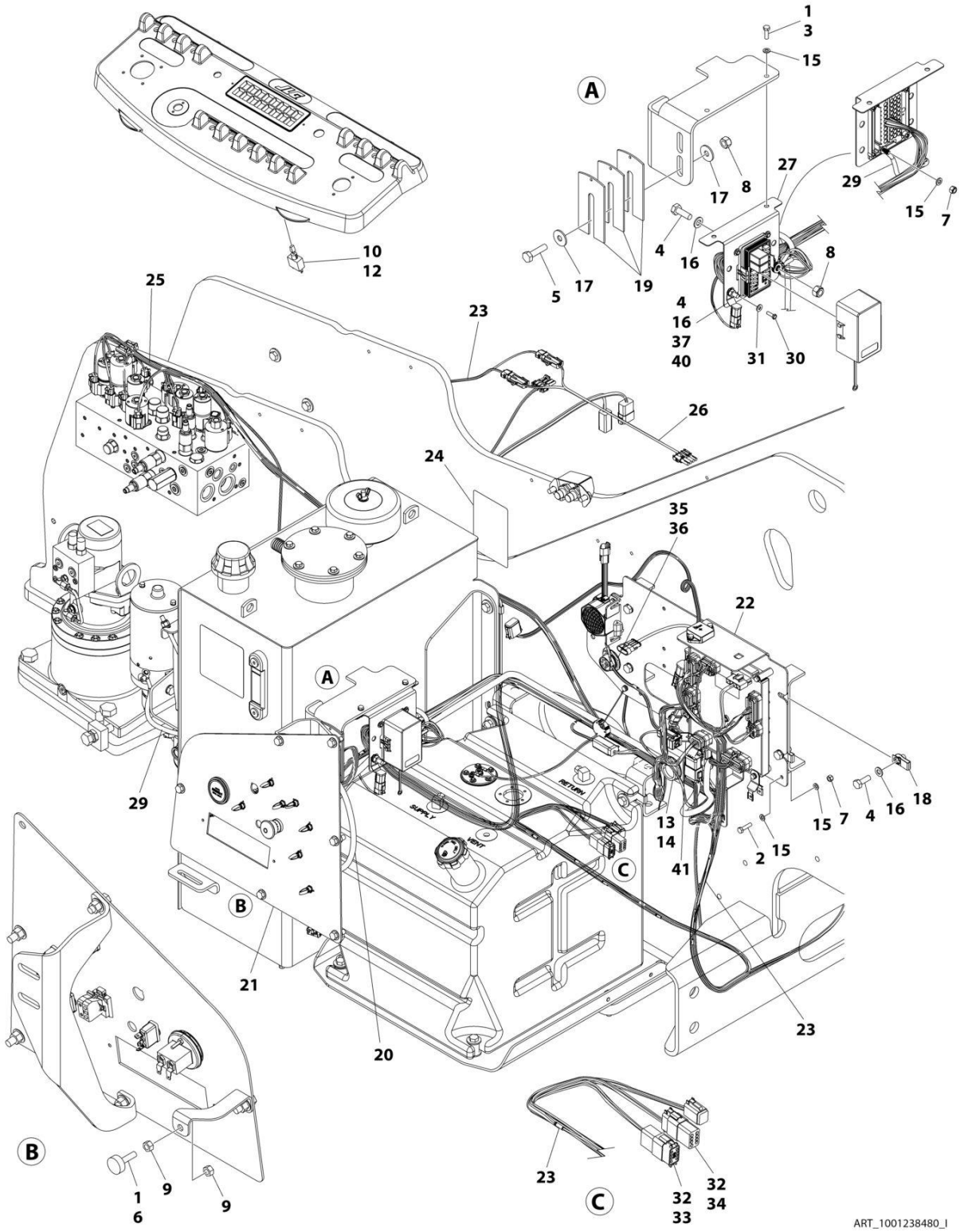


FIGURE 2-19. ELECTRICAL INSTALLATION (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238480	Ref	ELECTRICAL INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0700612	1	Bolt M6 x 25	
3	0760610	2	Bolt M6 x 20	
4	0761014	6	Bolt M10 x 30	
5	0761016	2	Bolt M10 x 40	
6	0940049	1	Stopper, Hood	
7	3290605	1	Nut M6	
8	3291005	2	Nut M10	
9	3311501	2	Nut 5/16	
10	3790012	1	O-Ring	
11	4240099	AR	Tie-Strap (Not Shown)	
12	4360328	1	Switch, Toggle	
13	4460470	1	Nut, Terminal	
14	4460471	1	Washer	
15	4811700	4	Washer M6	
16	4812000	7	Washer M10	
17	4812002	4	Washer M10	
18	1001118972	4	Nut M10	
19	1001150324	3	Shim	
20	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
21	1001239293	1	Ground Control Assembly (See Separate Breakdown in this Section)	
22	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
23	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
24	1001196637	1	Decal, Fuse Box	
25	1001284823	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
26	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL Section)	
27	1001237822	1	Plate, Fuse Box	
29	1001250681	1	Cable, Battery Negative	
30	0731005	4	Screw #10 x 5/8	
31	4711000	4	Washer #10	
32	4460466	16	Plug	
33	4460930	1	Connector	
34	4460931	1	Connector	
35	4460496	1	Washer	
36	4460497	1	Nut, Terminal	
37	3291001	1	Nut M10	
38	4240032	AR	Tie Strap (Not Shown)	
39	4460234	AR	Mount, Tie Strap (Not Shown)	
40	1001120328	1	Mount, Connector	
41	1001155743	1	Mount, Connector	
43	1001213448	1	Connector (Not Shown)	

FIGURE 2-20. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) ENGINE (460SJC)

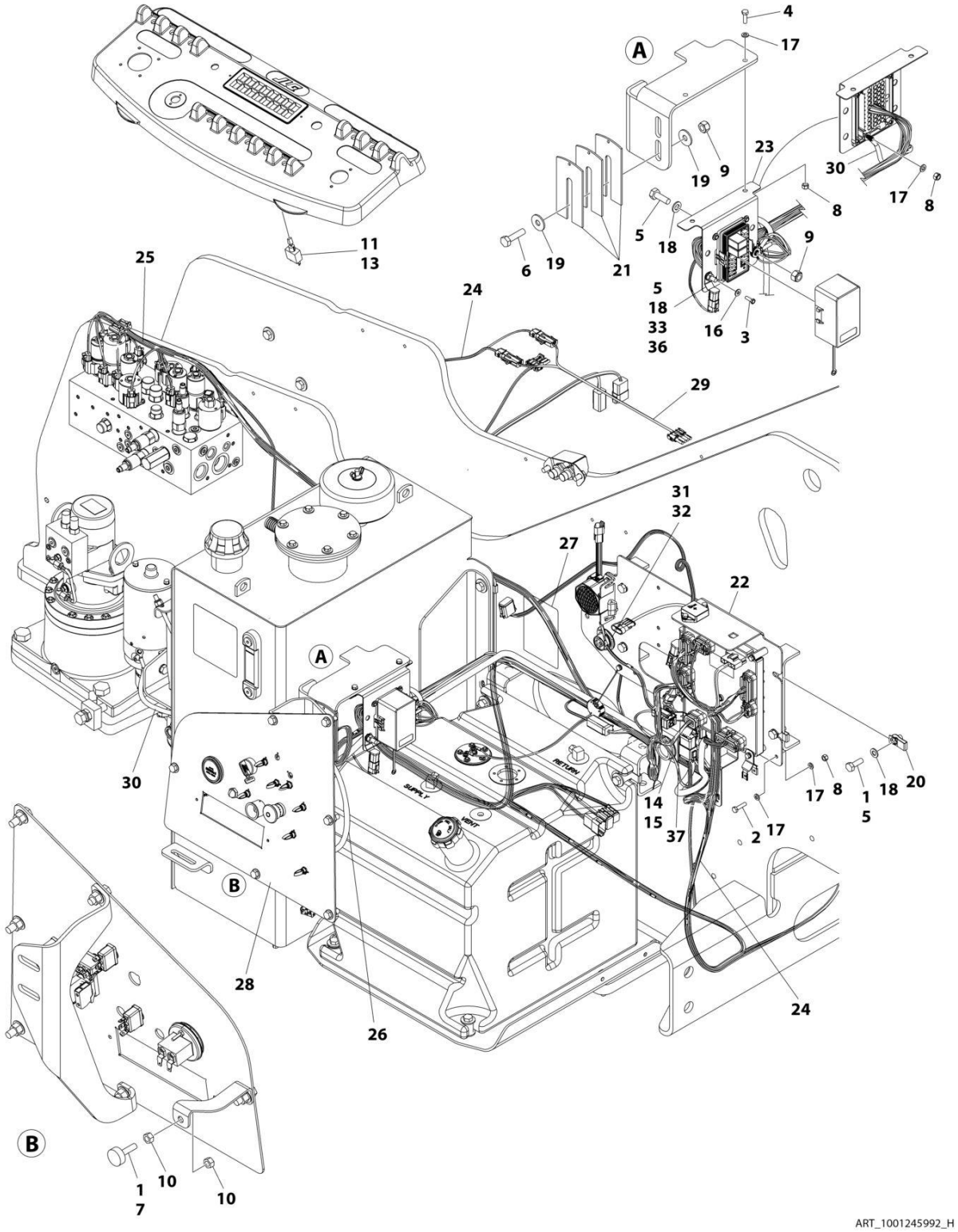


FIGURE 2-20. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) ENGINE (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245992	Ref	ELECTRICAL INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0700612	1	Bolt M6 x 25	
3	0731005	4	Screw #10 x 5/8	
4	0760610	2	Bolt M6 x 20	
5	0761014	6	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	
16	4711000	4	Washer #10	
17	4811700	7	Washer M6	
18	4812000	7	Washer M10	
19	4812002	4	Washer M10	
20	1001118972	4	Nut M10	
21	1001150324	3	Shim	
22	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
23	1001237822	1	Plate, Fuse Box	
24	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
25	1001284823	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
26	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
27	1001239512	1	Decal, Fuse Box	
28	1001245380	1	Ground Control Assembly (See Separate Breakdown in this Section)	
29	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL Section)	
30	1001250681	1	Cable, Battery Negative	
31	4460496	1	Washer	
32	4460497	1	Nut, Terminal	
33	3291001	1	Nut M10	
34	4240032	AR	Tie Strap (Not Shown)	
35	4460234	AR	Mount, Tie Strap (Not Shown)	
36	1001120328	1	Mount, Connector	
37	1001155743	1	Mount, Connector	
39	1001213448	1	Connector (Not Shown)	

FIGURE 2-21. ELECTRICAL PANEL ASSEMBLY

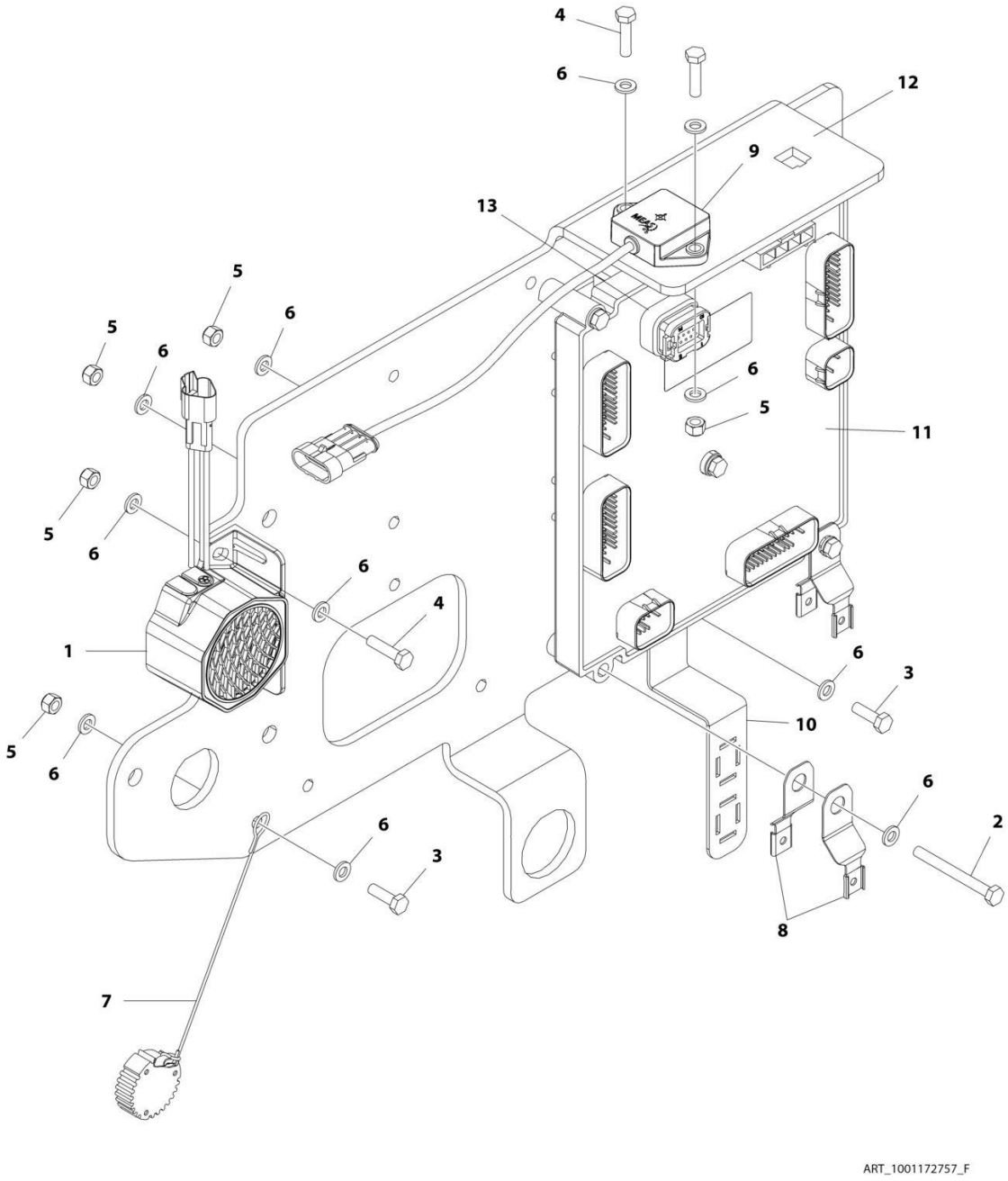


FIGURE 2-21. ELECTRICAL PANEL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172757	Ref	ELECTRICAL PANEL ASSEMBLY	F
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	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced.)	
12	1001215373	1	Plate	
13	1001246859	1	Connector, 14 Position	

FIGURE 2-22. GROUND CONTROL ASSEMBLY (400SC)

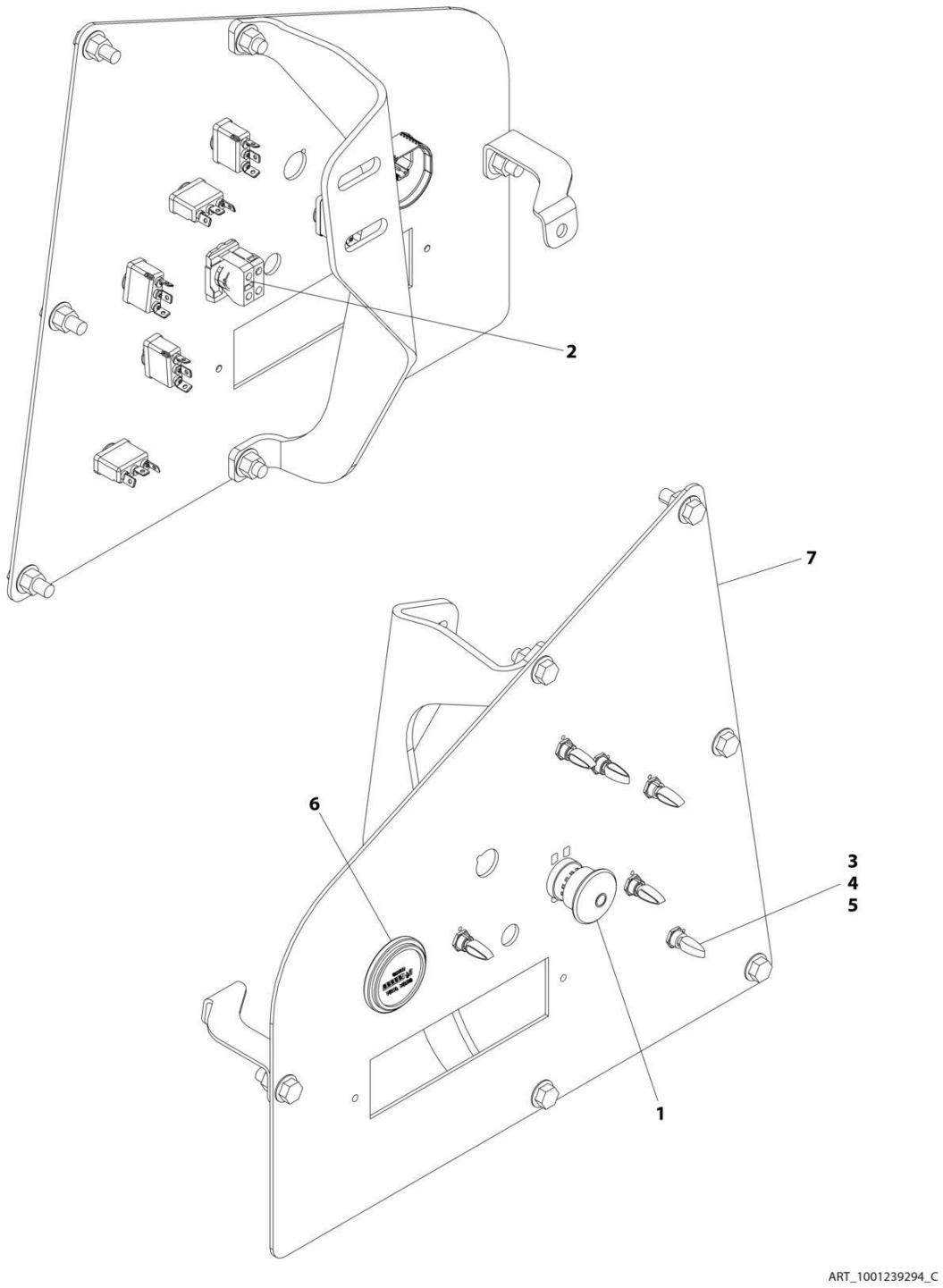


FIGURE 2-22. GROUND CONTROL ASSEMBLY (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239294	Ref	GROUND CONTROL ASSEMBLY - 400S	C
1	1001274559	1	Switch, Emergency Stop	
2	4360476	1	Block, Contact	
3	1001155043	6	Washer	
4	1001155044	6	Nut 15/32	
5	1001155045	6	Switch, Toggle	
6	10836804	1	Gauge	
7	1001238887	1	Mount, Ground Control Panel (See Separate Breakdown in this Section)	

FIGURE 2-23. GROUND CONTROL ASSEMBLY

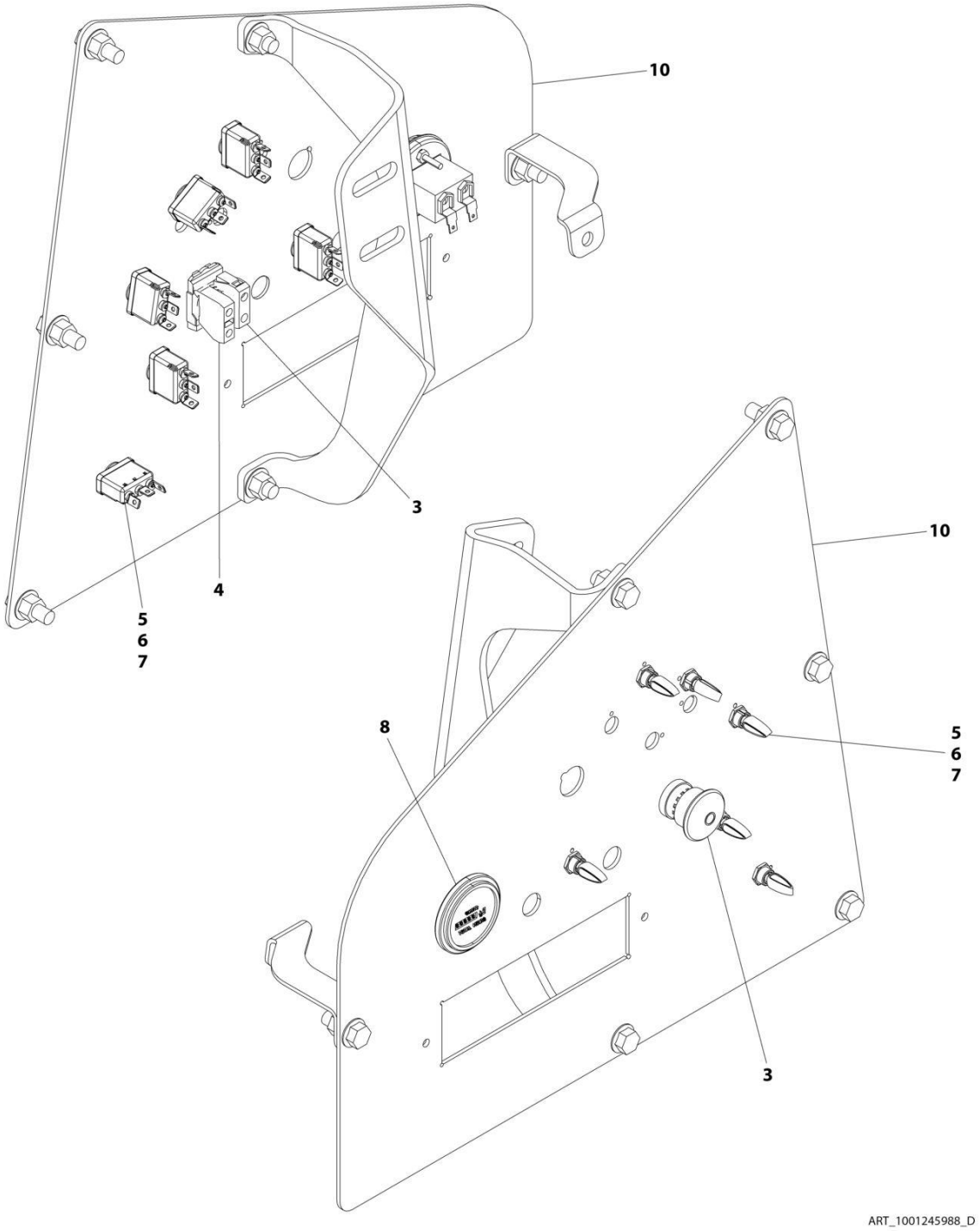


FIGURE 2-23. GROUND CONTROL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245988	Ref	GROUND CONTROL ASSEMBLY	D
3	1001274559	1	Switch, Emergency Stop	
4	4360476	1	Block, Contact	
5	1001155043	6	Washer	
6	1001155044	6	Nut 15/32	
7	1001155045	6	Switch, Toggle	
8	10836804	1	Gauge	
10	1001245379	1	Mount, Ground Control Panel (See Separate Breakdown in this Section)	

FIGURE 2-24. GROUND CONTROL ASSEMBLY (460SJC)

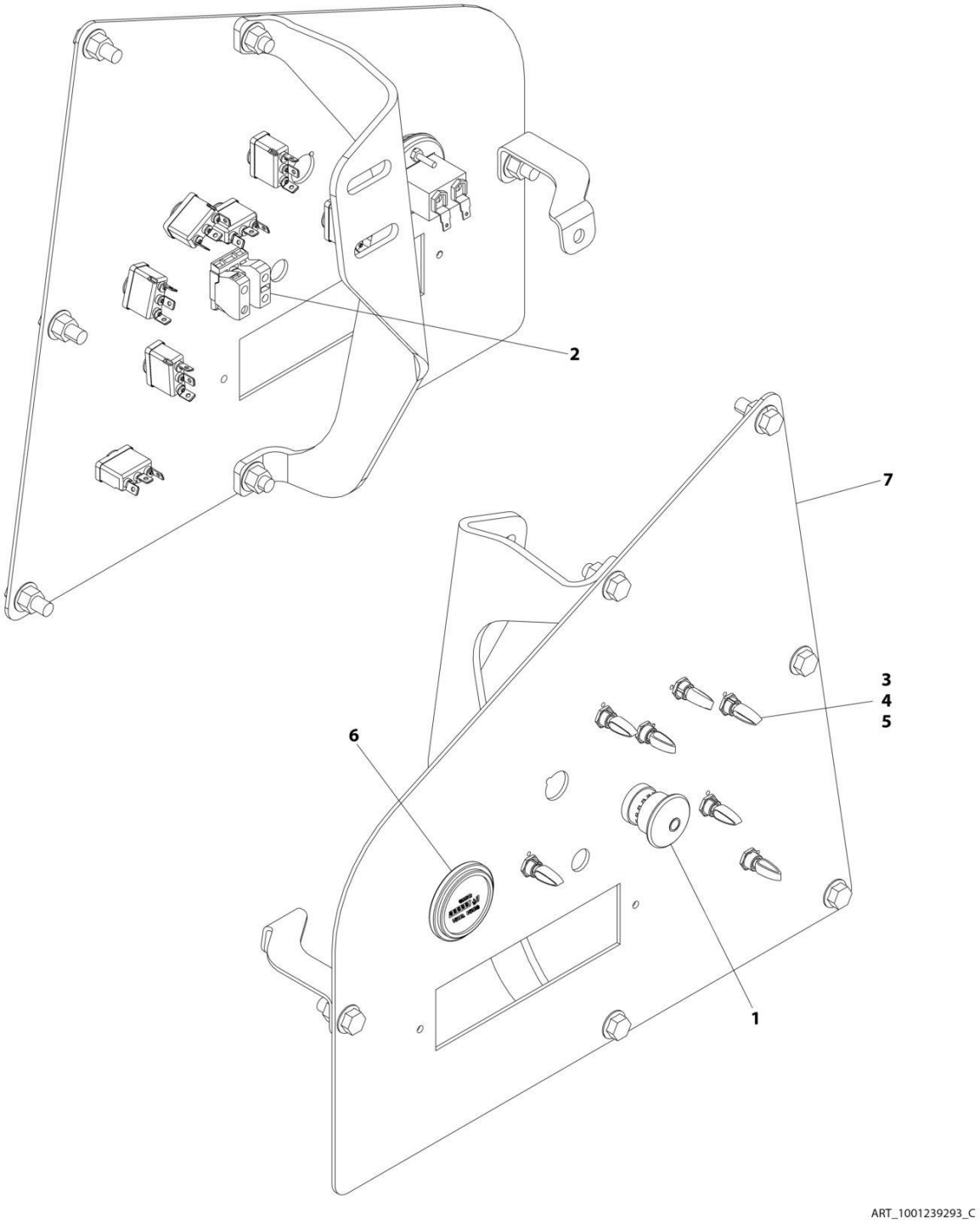


FIGURE 2-24. GROUND CONTROL ASSEMBLY (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239293	Ref	GROUND CONTROL ASSEMBLY - 460SJ	C
1	1001274559	1	Switch, Emergency Stop	
2	4360476	1	Block, Contact	
3	1001155043	7	Washer	
4	1001155044	7	Nut 15/32	
5	1001155045	7	Switch, Toggle	
6	10836804	1	Gauge	
7	1001235531	1	Mount, Ground Control Panel (See Separate Breakdown in this Section)	

FIGURE 2-25. GROUND CONTROL ASSEMBLY - WITH DEUTZ (STAGE V) ENGINE (460SJC)

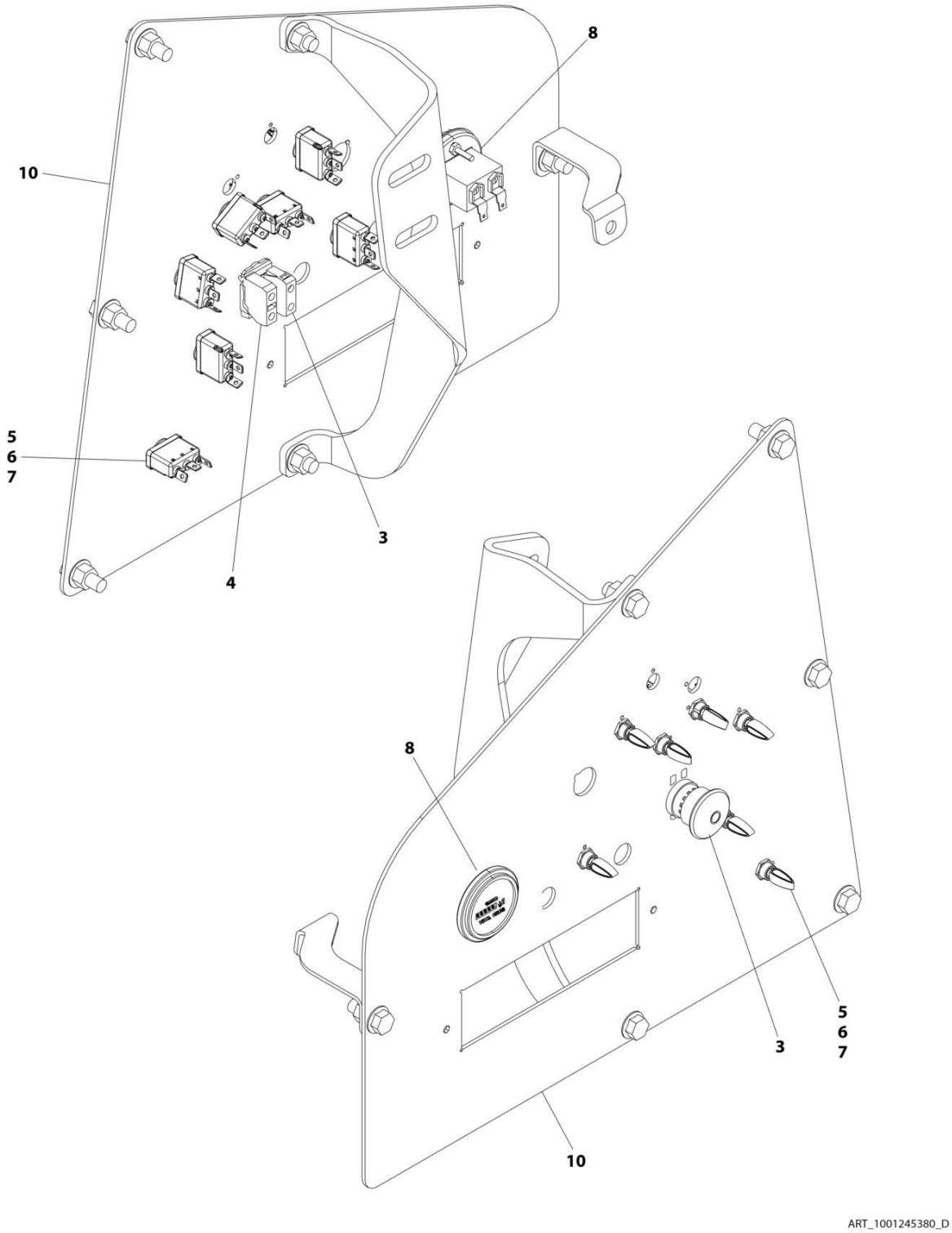


FIGURE 2-25. GROUND CONTROL ASSEMBLY - WITH DEUTZ (STAGE V) ENGINE (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245380	Ref	GROUND CONTROL ASSEMBLY	D
3	1001274559	1	Switch, Emergency Stop	
4	4360476	1	Block, Contact	
5	1001155043	7	Washer	
6	1001155044	7	Nut 15/32	
7	1001155045	7	Switch, Toggle	
8	10836804	1	Gauge	
10	1001245379	1	Ground Control Mounting (See Separate Breakdown in this Section)	

FIGURE 2-26. KEYSWITCH AND PANEL DECAL INSTALLATION (400SC)

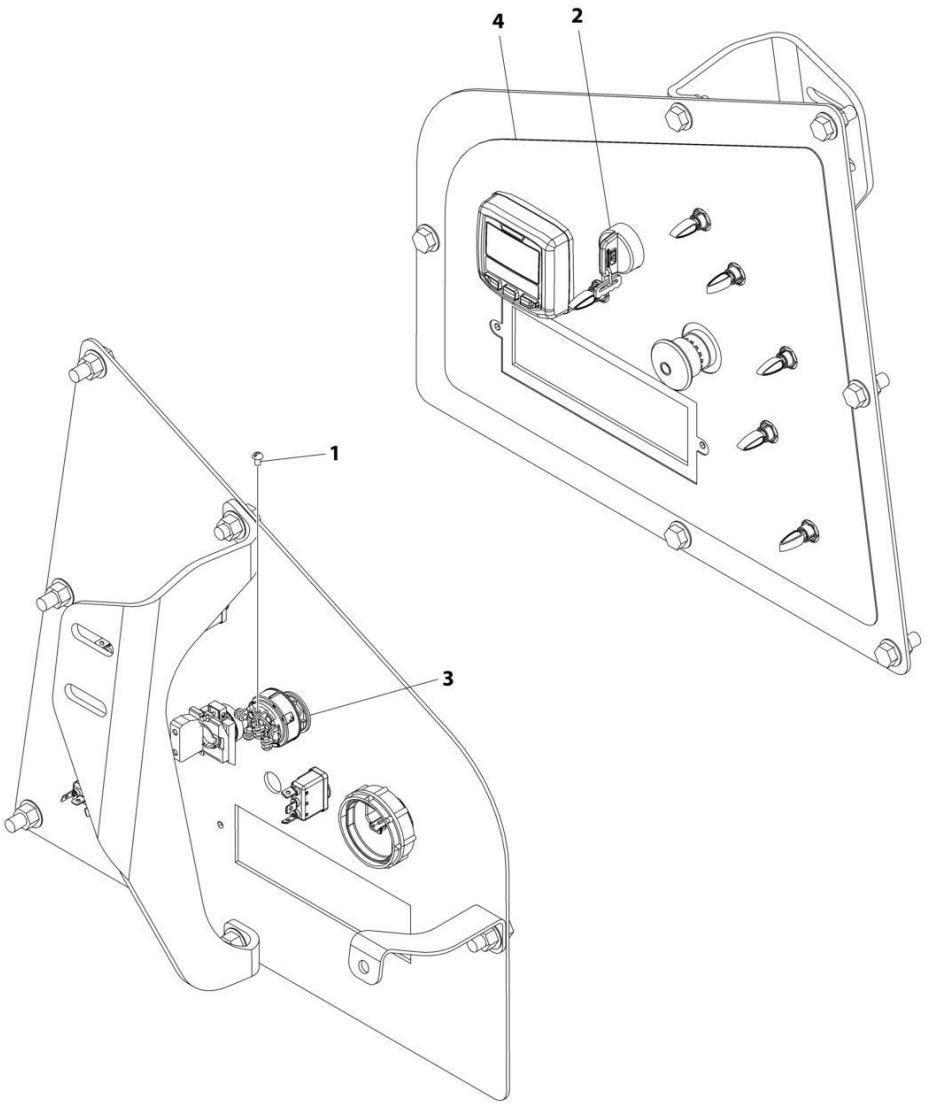


FIGURE 2-26. KEYSWITCH AND PANEL DECAL INSTALLATION (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222145	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2	2860030	1	Key, Replacement	
3	1001151393	1	Shim .063	
4	1001221408	1	Decal - Ground Control	

FIGURE 2-27. KEYSWITCH AND PANEL DECAL INSTALLATION (CE & UK CA (LRC) SPEC) (400SC)

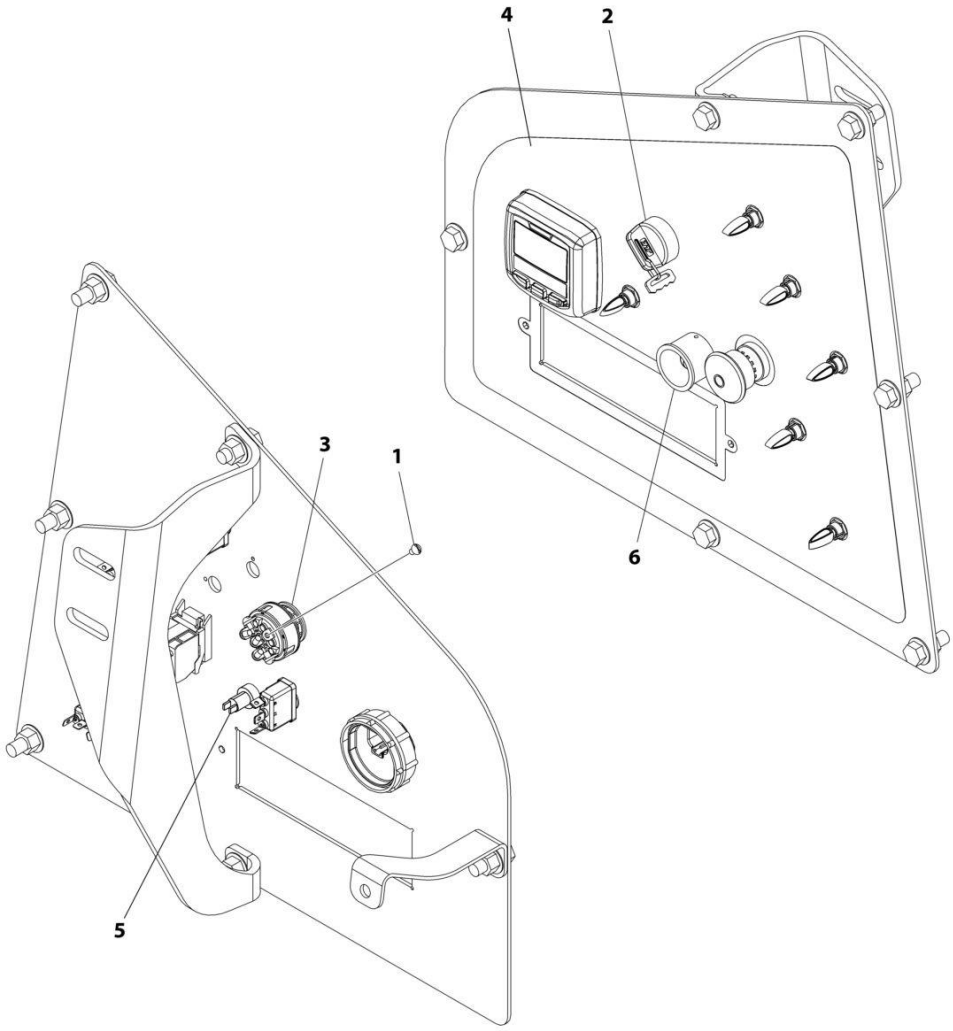
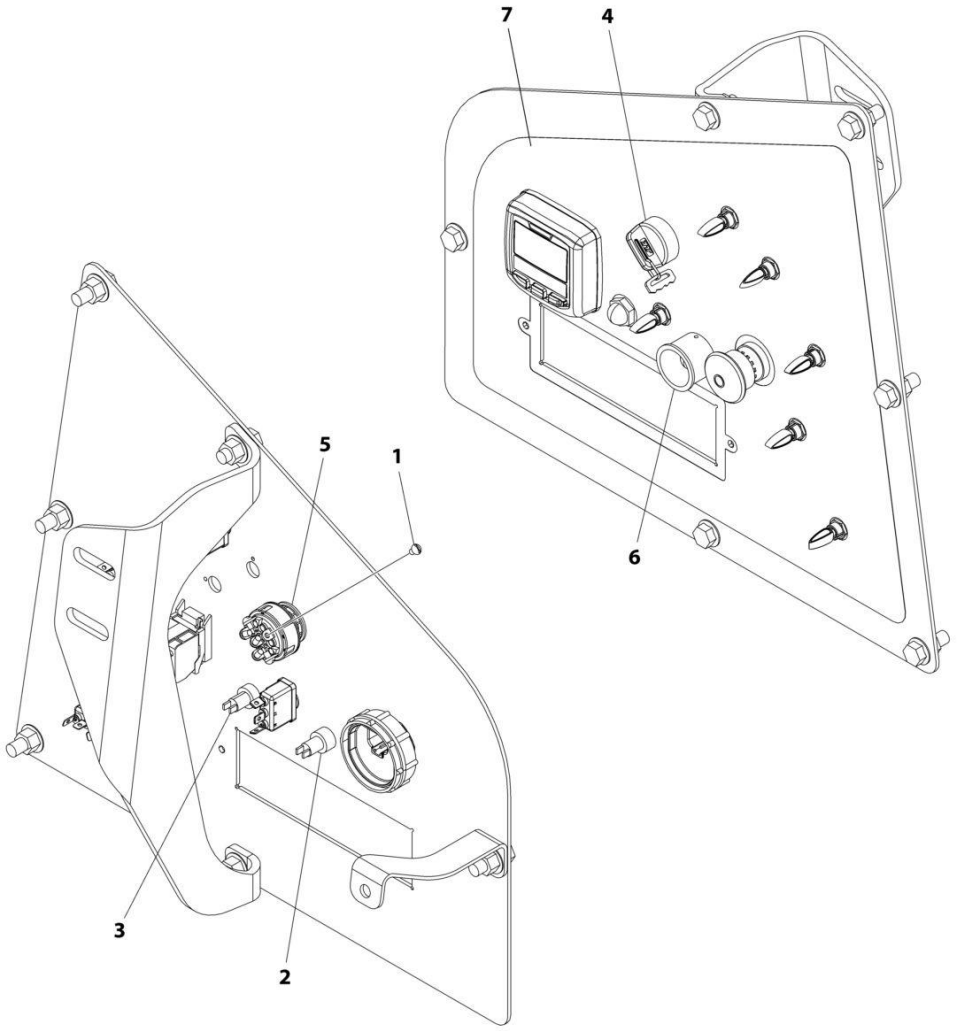


FIGURE 2-27. KEYSWITCH AND PANEL DECAL INSTALLATION (CE & UK CA (LRC) SPEC) (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222143	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2	2860030	1	Key, Replacement	
3	1001151393	1	Shim .063	
4	1001221406	1	Decal - Ground Control	
5	4360387	1	Switch, Push Button	
6	1001176469	1	Shroud, Switch	

FIGURE 2-28. KEYSWITCH AND PANEL DECAL INSTALLATION - WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC) (400SC)



ART_1001245832

FIGURE 2-28. KEYSWITCH AND PANEL DECAL INSTALLATION - WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC) (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245832	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
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	1001245828	1	Decal - Ground Control	

FIGURE 2-29. KEYSWITCH AND PANEL DECAL INSTALLATION (460SJC)

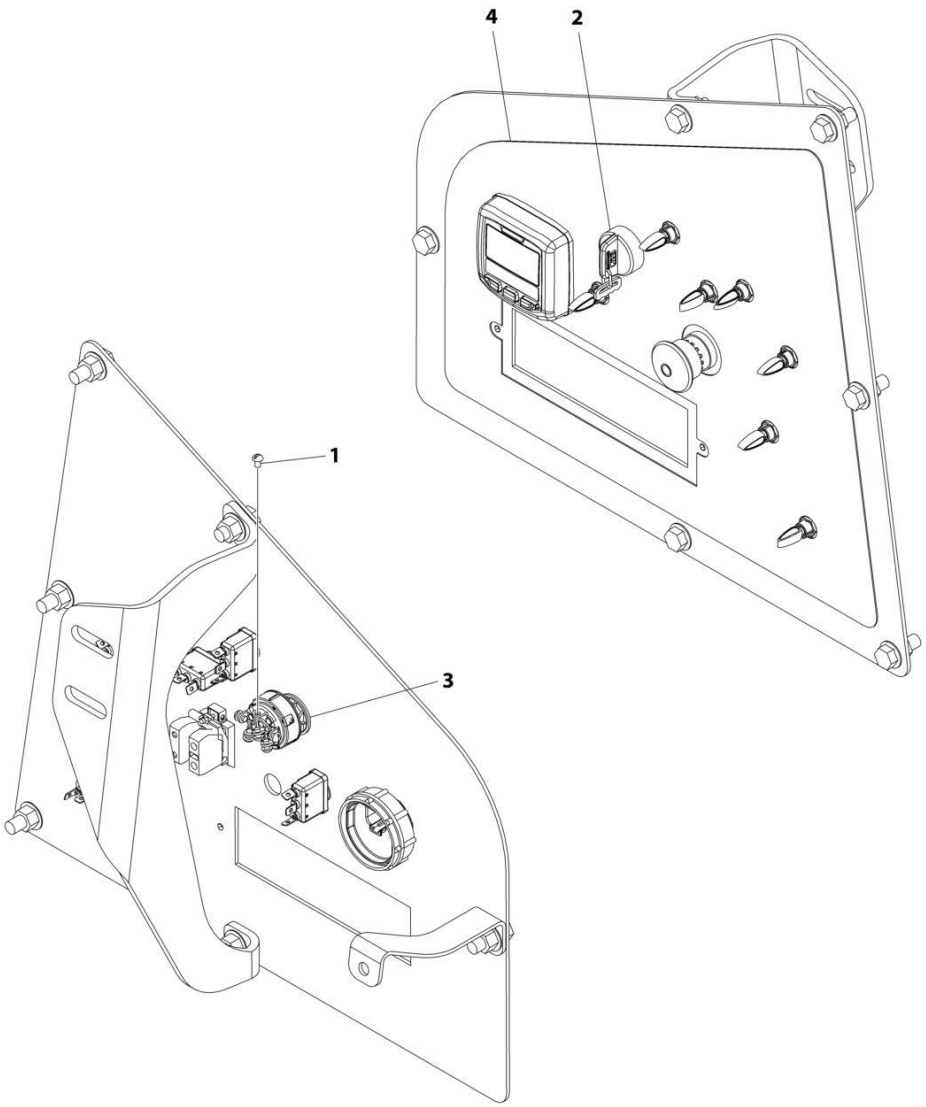


FIGURE 2-29. KEYSWITCH AND PANEL DECAL INSTALLATION (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222144	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2	2860030	1	Key, Replacement	
3	1001151393	1	Shim .063	
4	1001221407	1	Decal - Ground Control	

FIGURE 2-30. KEYSWITCH AND PANEL DECAL INSTALLATION (CE & UK CA (LRC) SPEC) (460SJC)

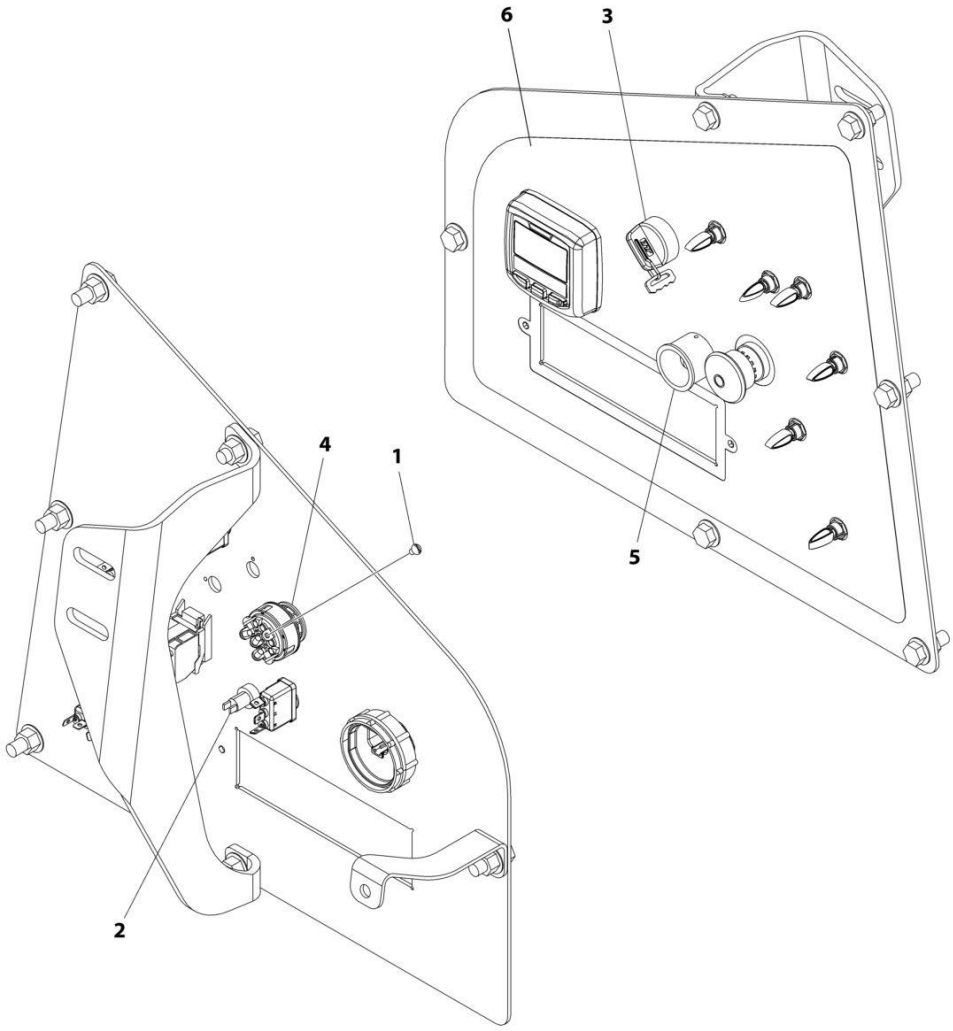


FIGURE 2-30. KEYSWITCH AND PANEL DECAL INSTALLATION (CE & UK CA (LRC) SPEC) (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238914	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360387	1	Switch, Push Button	
3	4360469	1	Switch, Key	
3	2860030	1	Key, Replacement	
4	1001151393	1	Shim .063	
5	1001176469	1	Shroud, Switch	
6	1001238913	1	Decal - Ground Control	

FIGURE 2-31. KEYSWITCH AND PANEL DECAL INSTALLATION - WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC) (460SJC)

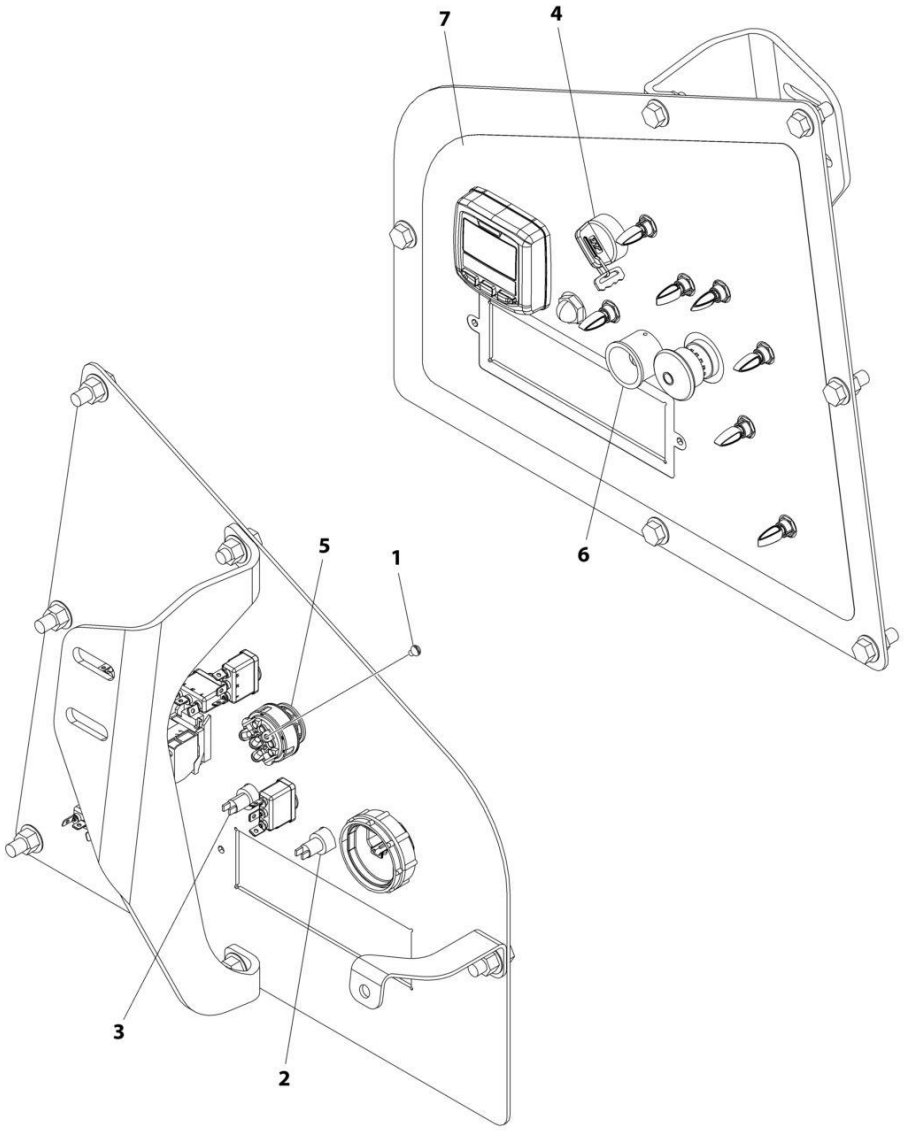


FIGURE 2-31. KEYSWITCH AND PANEL DECAL INSTALLATION - WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC) (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245833	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
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	1001245829	1	Decal - Ground Control	

FIGURE 2-32. LIGHT PANEL INSTALLATION

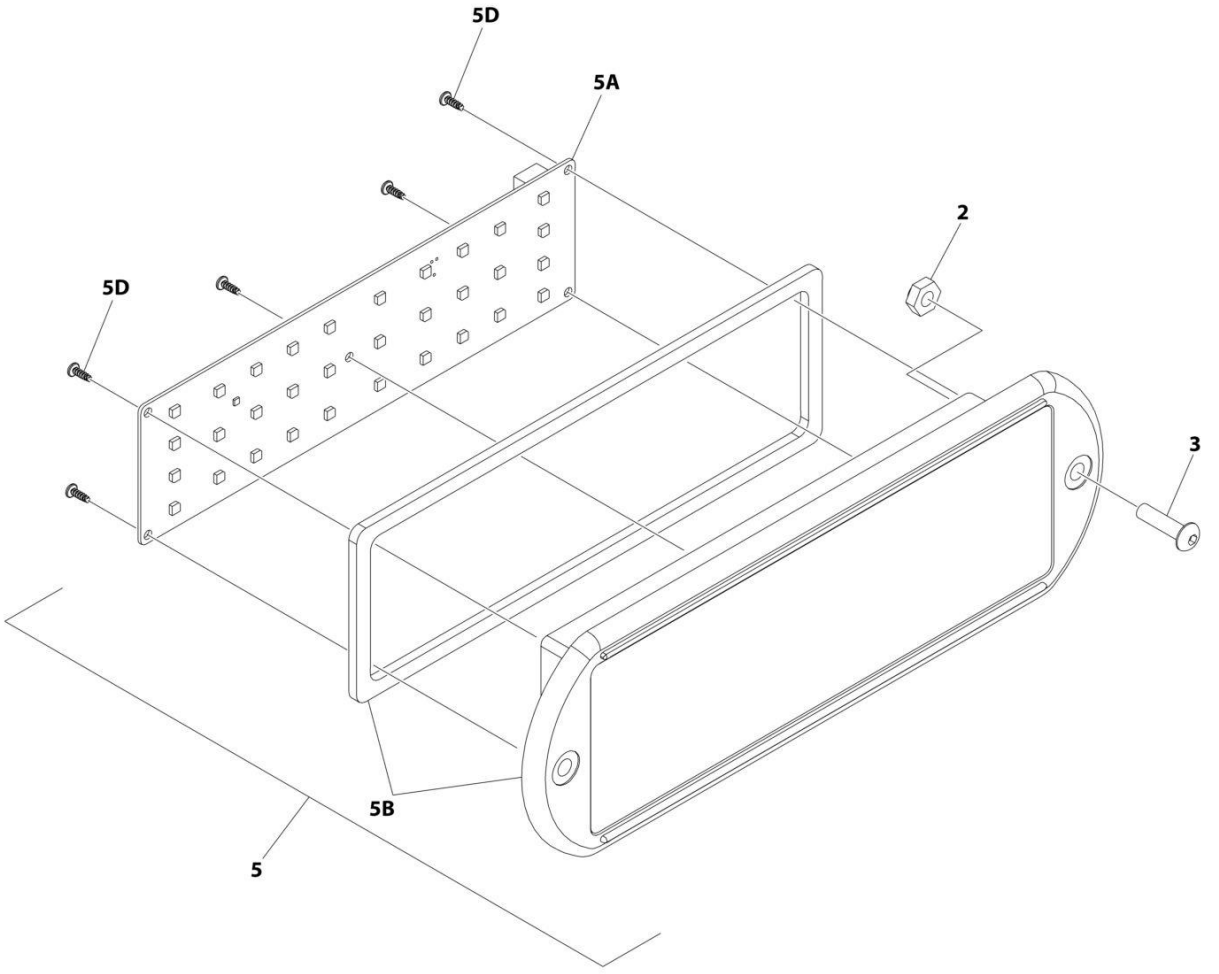


FIGURE 2-32. LIGHT PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233959	Ref	LIGHT PANEL INSTALLATION	D
2	3300408	2	Nut, Nylon Insert	
3	0630518	2	Screw #10 x 3/4	
5	1001237546	1	Light Panel Assembly	J
5A	1001282106	1	Panel, LED Light	
5B	1001236091	1	Lens, Icon (Includes Gasket)	
5D		Ref	Screw	

FIGURE 2-33. GROUND CONTROL PANEL MOUNTING (400SC)

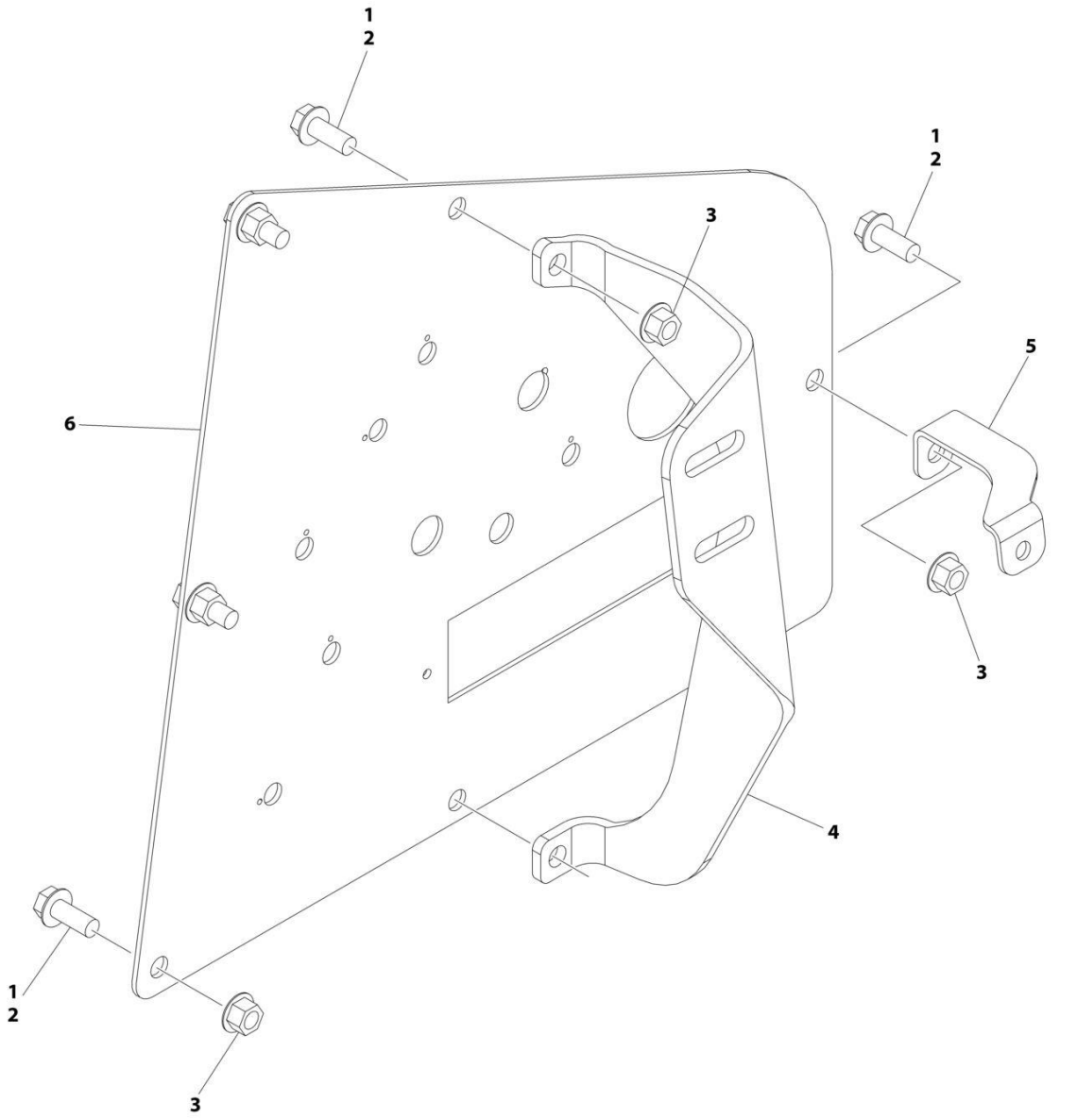


FIGURE 2-33. GROUND CONTROL PANEL MOUNTING (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238887	Ref	GROUND CONTROL PANEL MOUNTING	B
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	1001297390	1	Plate, Ground Control	

FIGURE 2-34. GROUND CONTROL PANEL MOUNTING (460SJC)

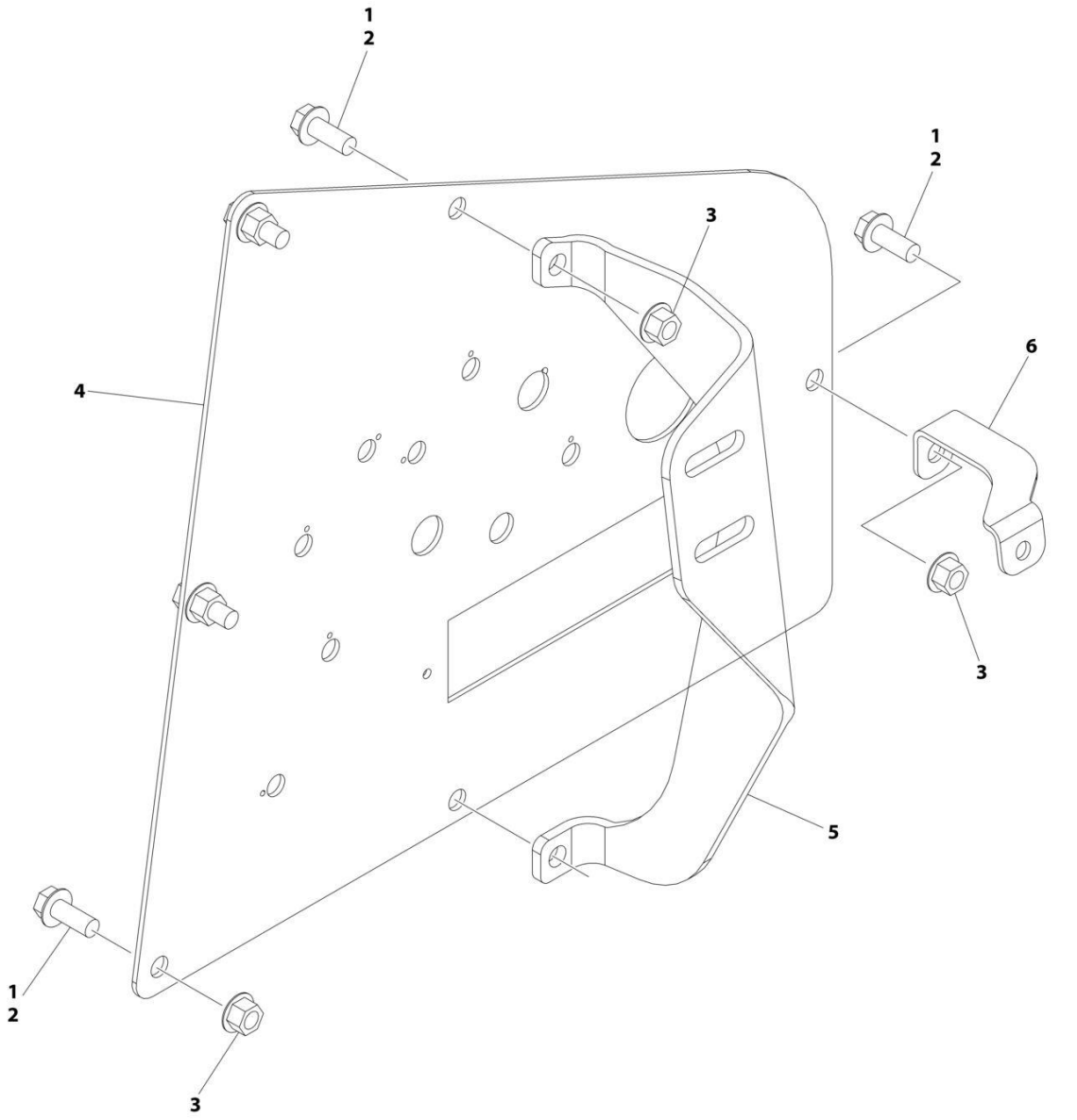


FIGURE 2-34. GROUND CONTROL PANEL MOUNTING (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235531	Ref	GROUND CONTORL MOUNTING - 460SJ	C
1	0100011	AR	Compound, Locking	
2	5251012	6	Bolt M10 x 25	
3	5261000	6	Nut M10	
4	1001297385	1	Plate, Ground Control	
5	1001235528	1	Support	
6	1001235529	1	Bracket	

FIGURE 2-35. GROUND CONTROL PANEL MOUNTING WITH DEUTZ (STAGE V) ENGINE

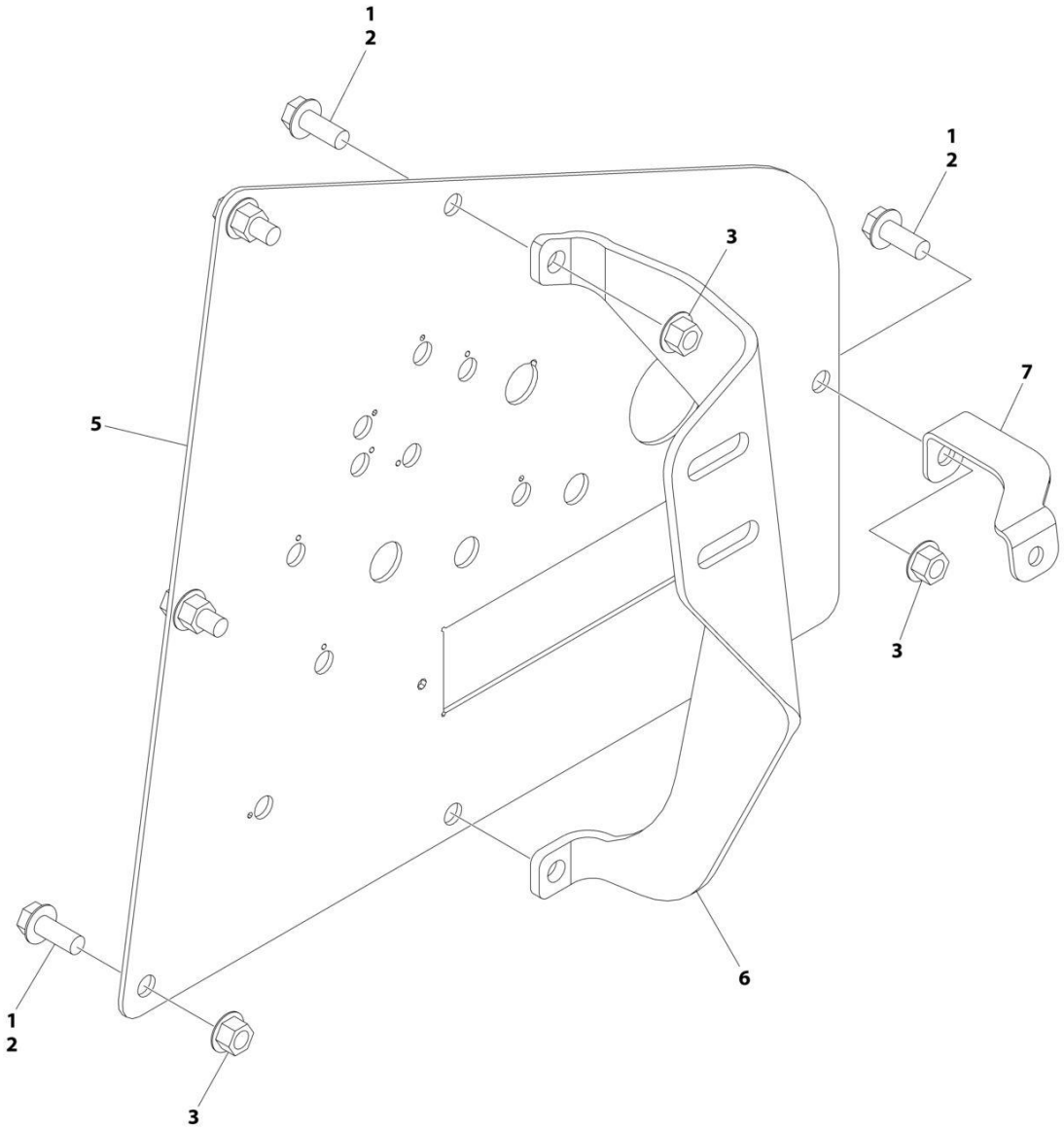


FIGURE 2-35. GROUND CONTROL PANEL MOUNTING WITH DEUTZ (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245379	Ref	GROUND CONTORL MOUNTING	C
1	0100035	AR	Compound, Locking	
2	5251012	6	Bolt M10 x 25	
3	5261000	6	Nut M10	
5	1001297386	1	Plate, Ground Control	
6	1001235528	1	Support	
7	1001235529	1	Bracket	

FIGURE 2-36. WHITE NOISE ALARM (AMBIENT) INSTALLATION

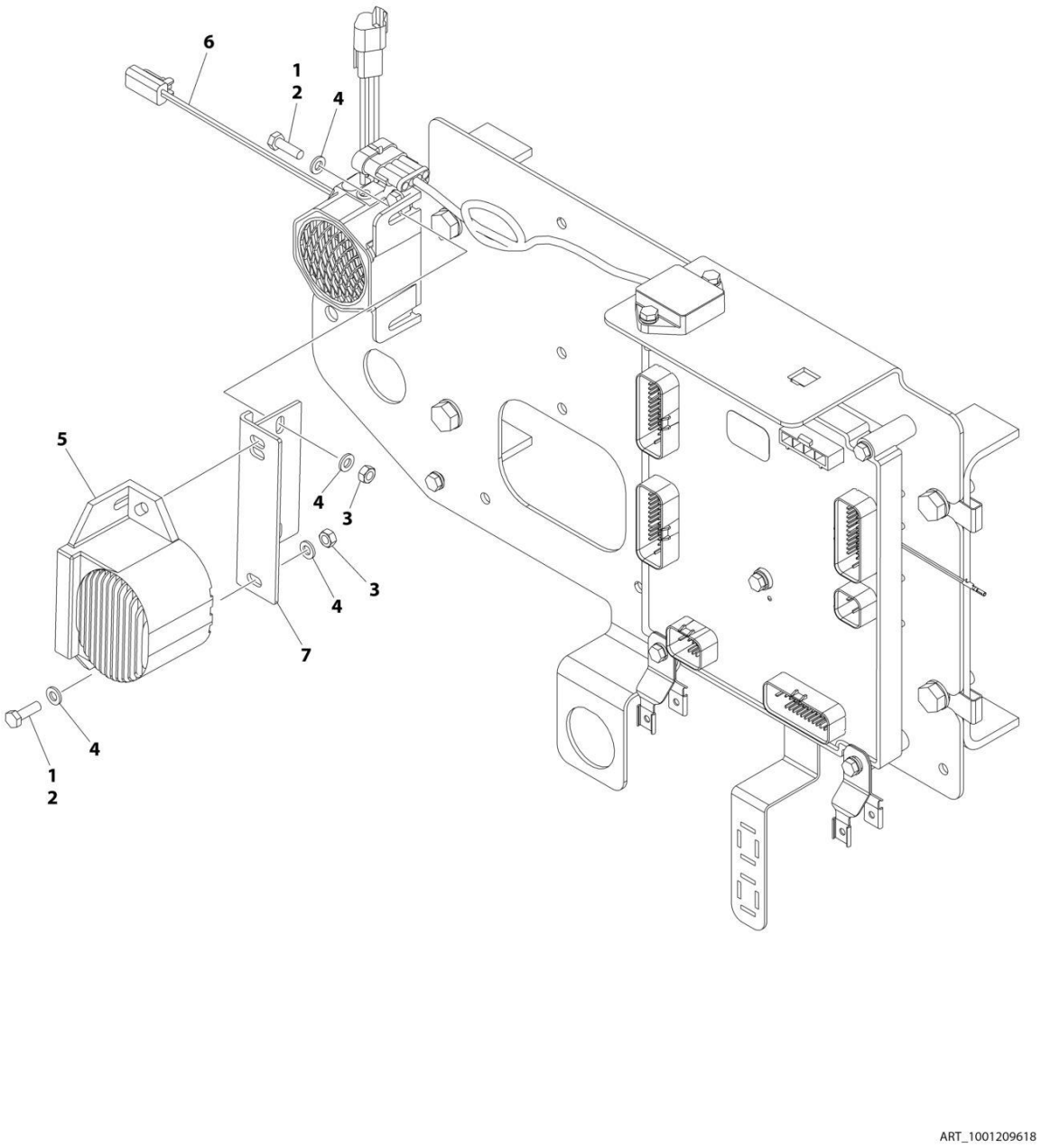


FIGURE 2-36. WHITE NOISE ALARM (AMBIENT) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209618	Ref	WHITE NOISE ALARM INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0760610	4	Bolt M6 x 20	
3	3290601	4	Nut M6	
4	4811700	8	Washer M6	
5	1001182806	1	Alarm	
6	1001190663	1	Harness, Jumper	
6	4460891	1	Connector - 2 Position	
6	4460465	2	Socket, Female	
6	4460871	2	Socket, Female	
7	1001231886	1	Plate	

FIGURE 2-37. WHITE NOISE ALARM (CONSTANT) INSTALLATION

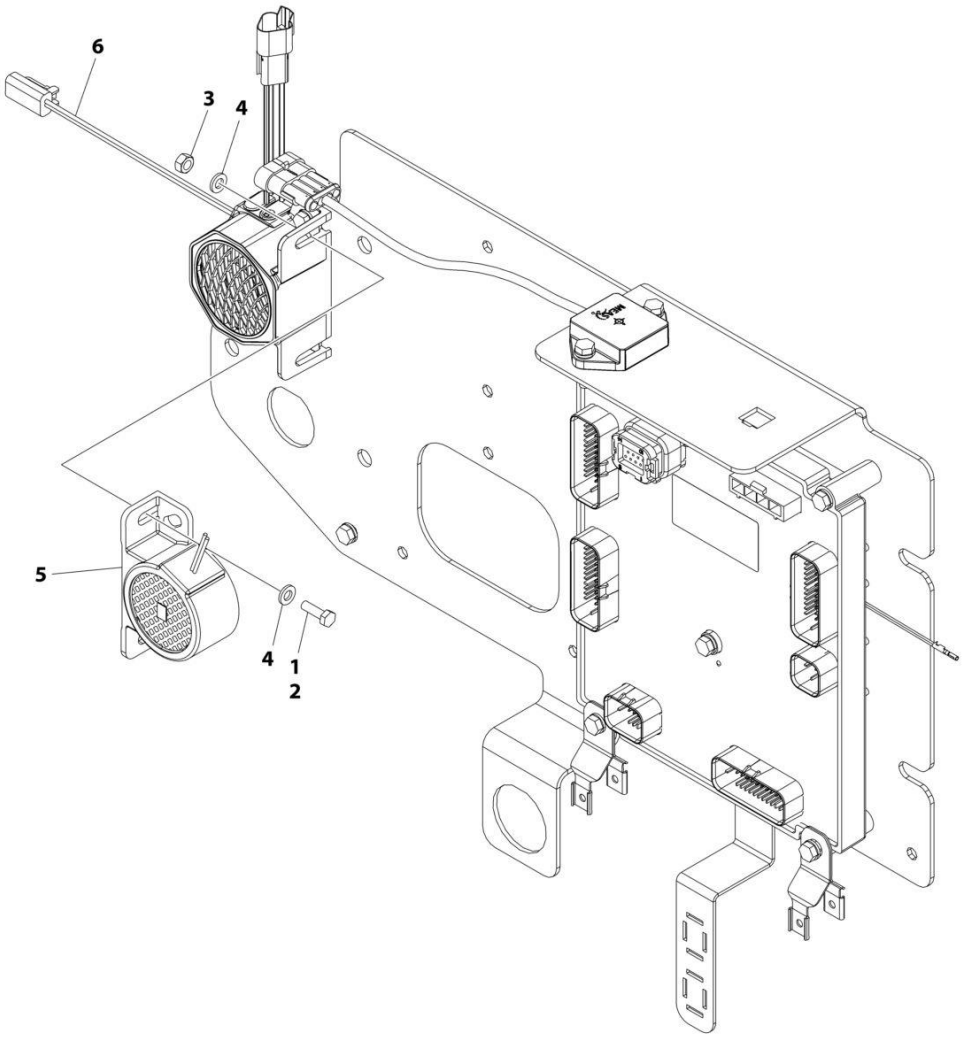


FIGURE 2-37. WHITE NOISE ALARM (CONSTANT) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263176	Ref	WHITE NOISE ALARM INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0760610	2	Bolt M6 x 20	
3	3290601	2	Nut M6	
4	4811700	4	Washer M6	
5	1001184682	1	Alarm	
6	1001190663	1	Harness, Jumper	
6	4460891	2	Connector - 2 Position	
6	4460465	2	Socket, Female	
6	4460871	1	Socket, Female	

FIGURE 2-38. BEACON LIGHT INSTALLATION - AMBER

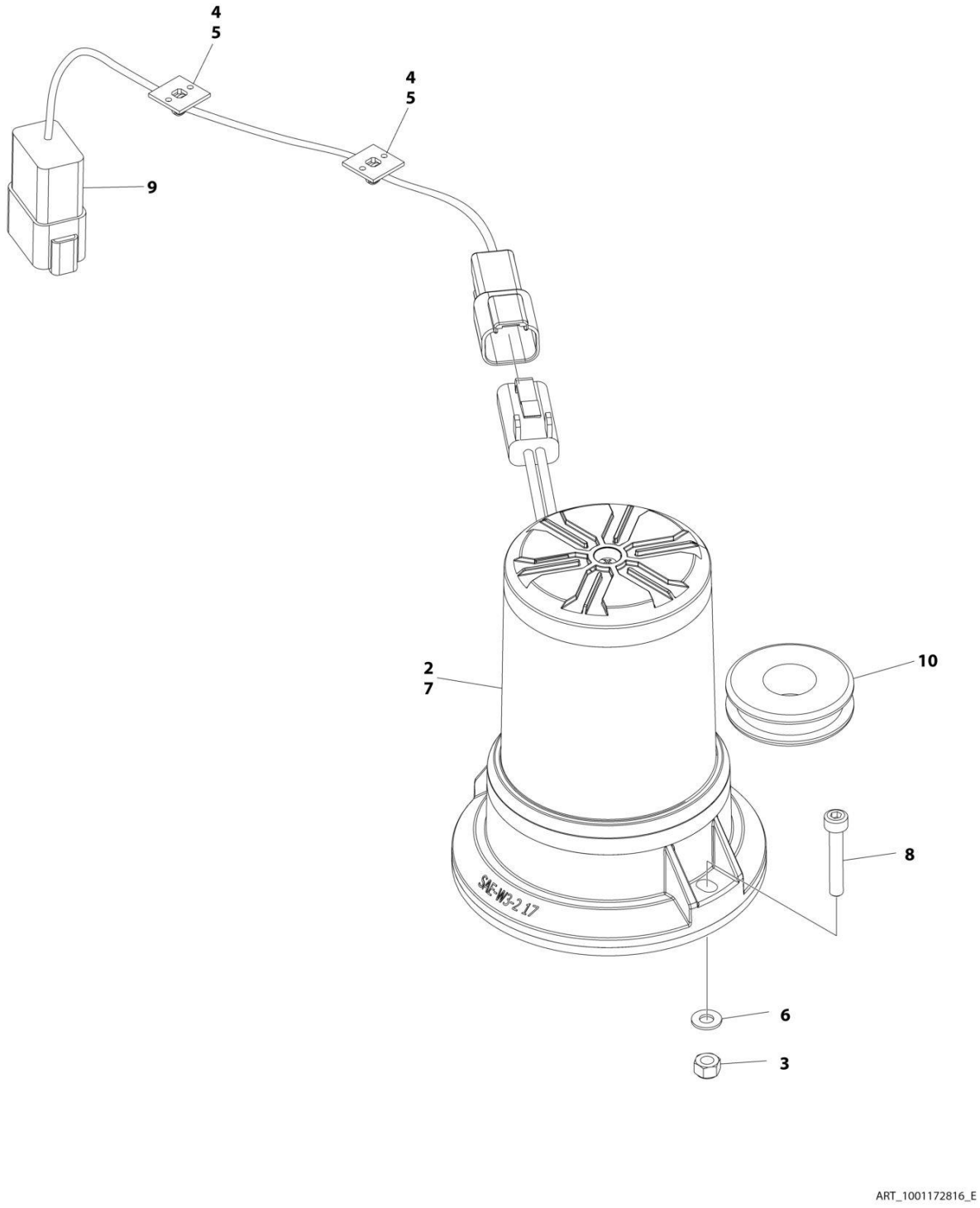


FIGURE 2-38. BEACON LIGHT INSTALLATION - AMBER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172816	Ref	BEACON LIGHT INSTALLATION - AMBER	E
2	1001270594	1	Light, Strobe (Amber)	
2	4460891	1	Connector	
2	4460465	2	Socket	
3	3290405	2	Nut M4	
4	4240032	AR	Tie-Strap	
5	4460234	2	Mount, Tie-Strap	
6	4811400	2	Washer M4	
7	0100048	AR	Grease, Terminal	
8	4031509	2	Capscrew M4 x 25	
9	1001283776	1	Beacon Harness (See Separate Breakdown in ELECTRICAL Section)	
10	2540020	1	Grommet	

FIGURE 2-39. BEACON LIGHT INSTALLATION - BLUE

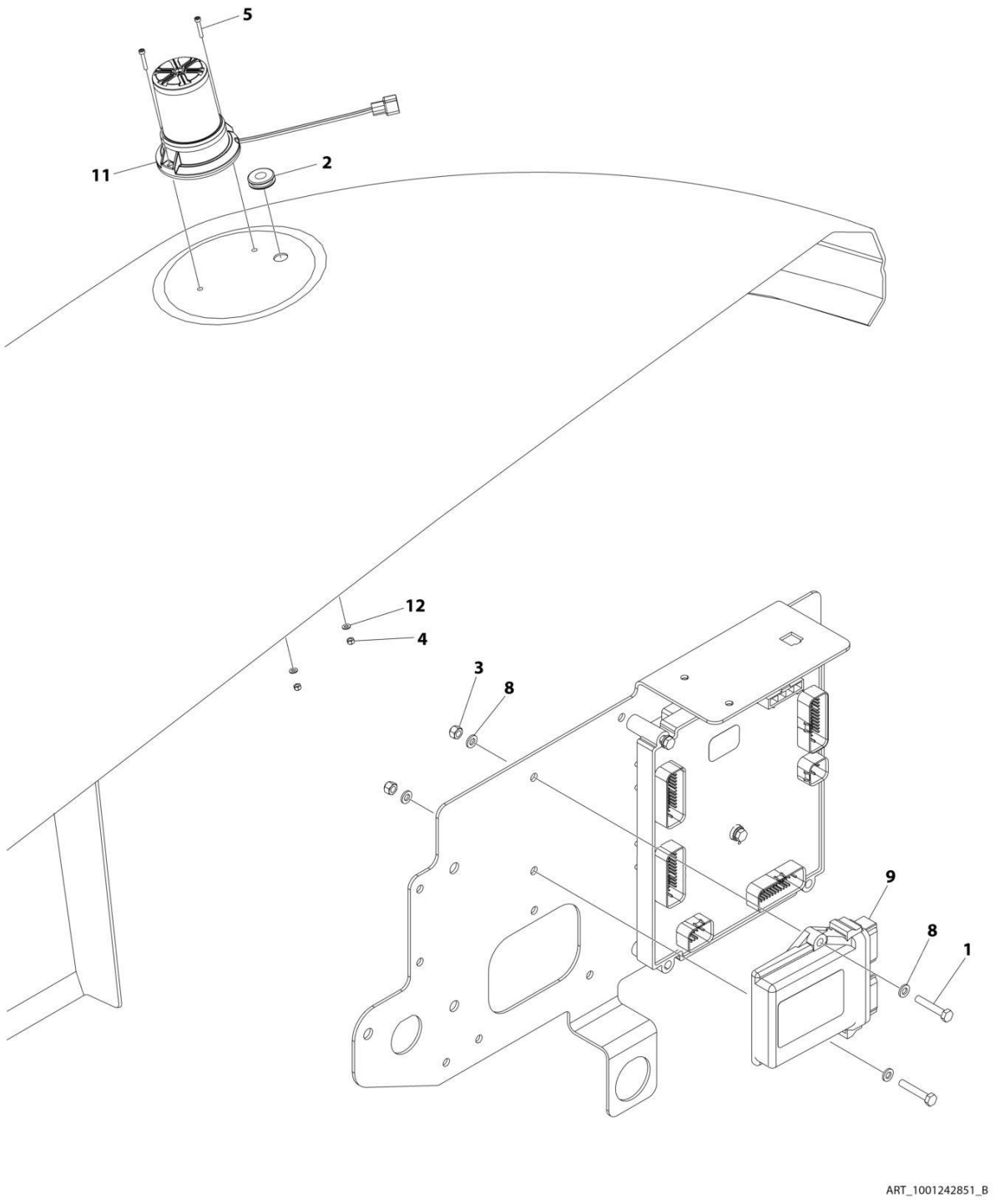


FIGURE 2-39. BEACON LIGHT INSTALLATION - BLUE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242851	Ref	BEACON LIGHT INSTALLATION - BLUE	B
1	0760615	2	Bolt M6 x 35	
2	2540020	1	Grommet, Insulation	
3	3290605	2	Nut M6	
4	3290405	2	Nut M4	
5	4031509	2	Capscrew M4 x 25	
6	4240099	AR	Tie-Strap (Not Shown)	
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	1001272681	1	Light, Beacon	
11	4460897	1	Receptacle, Female - 2 Position	
11	4460464	2	Pin, Male	
12	4811400	2	Washer M4	

FIGURE 2-40. BEACON LIGHT INSTALLATION - RED

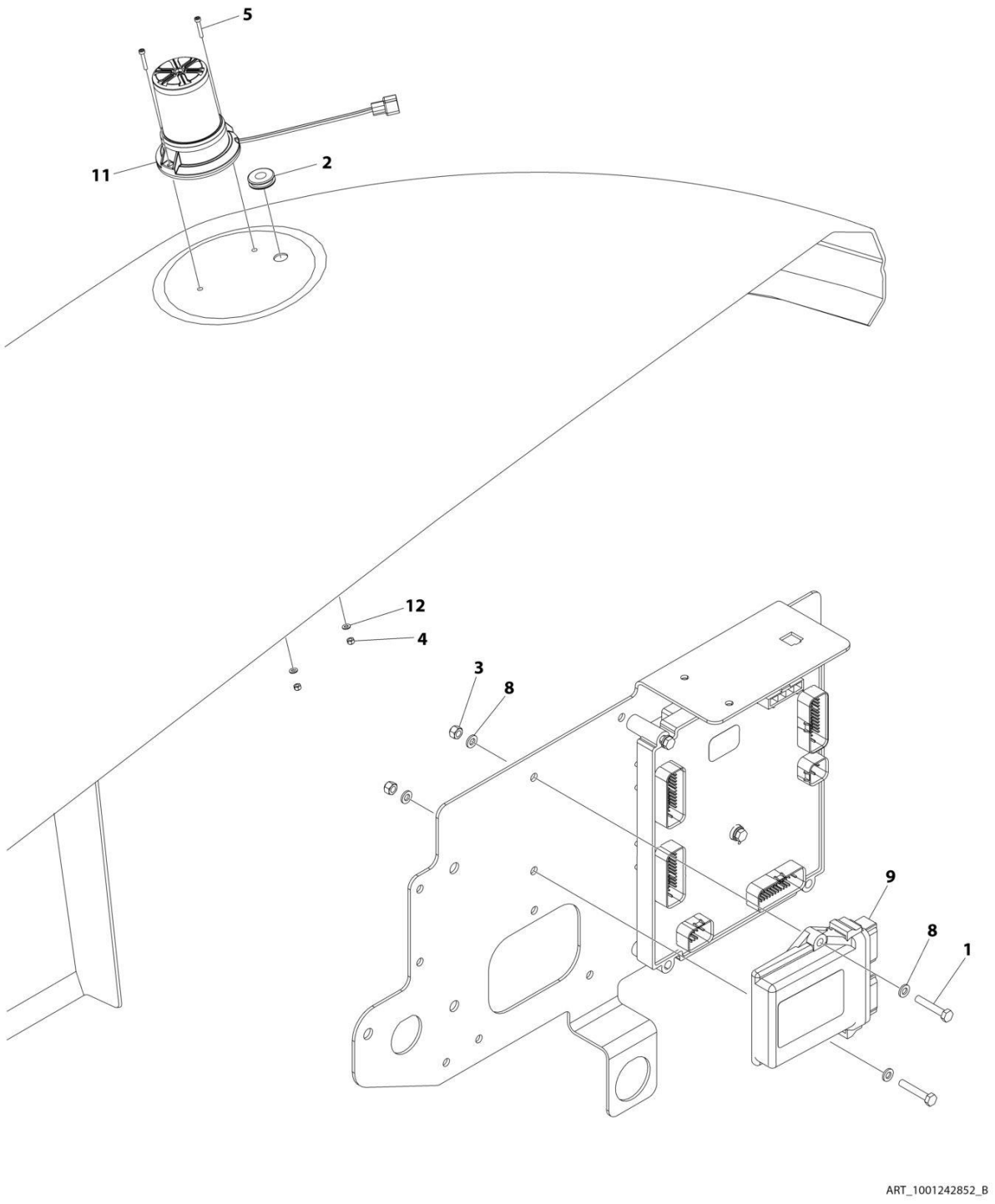
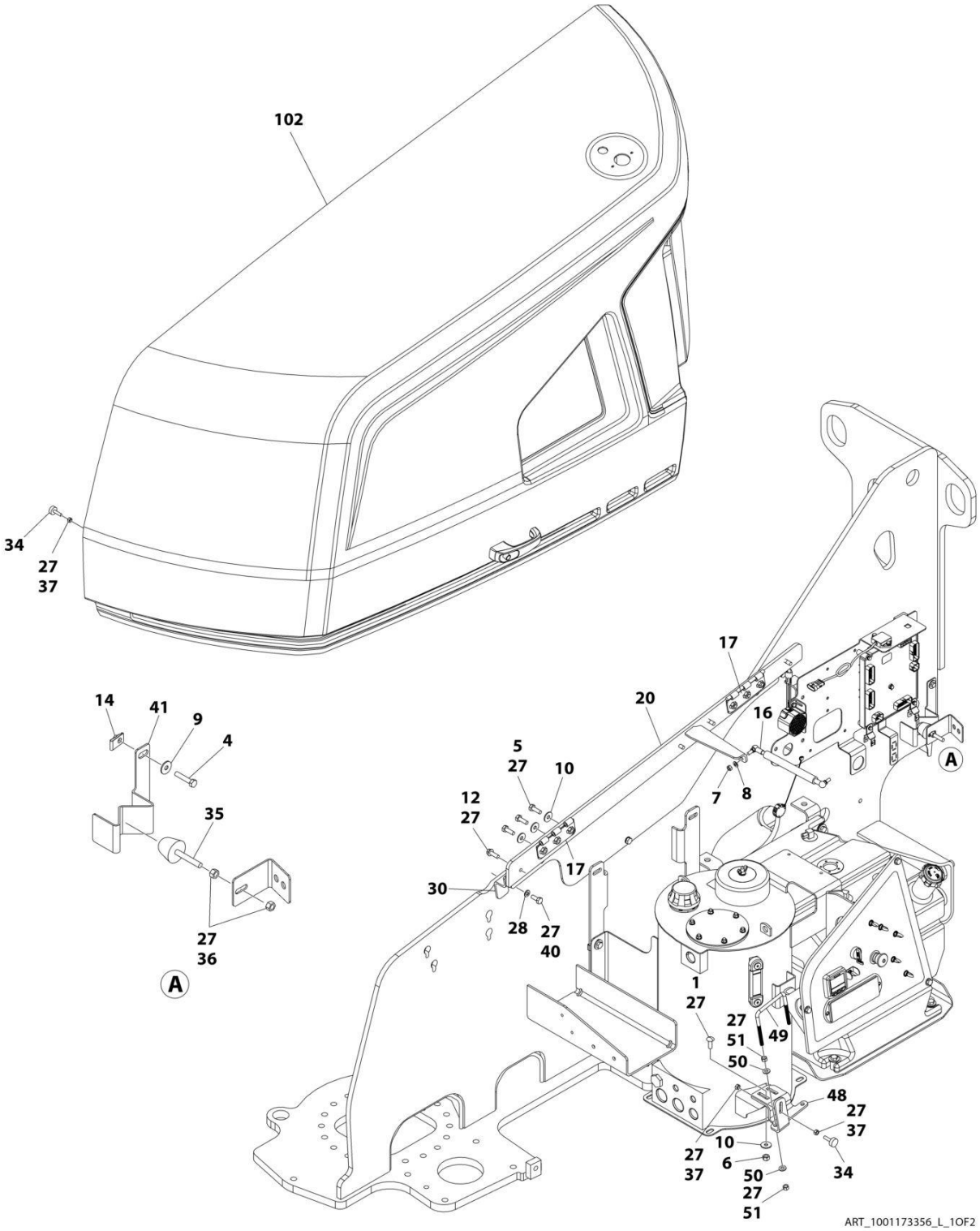
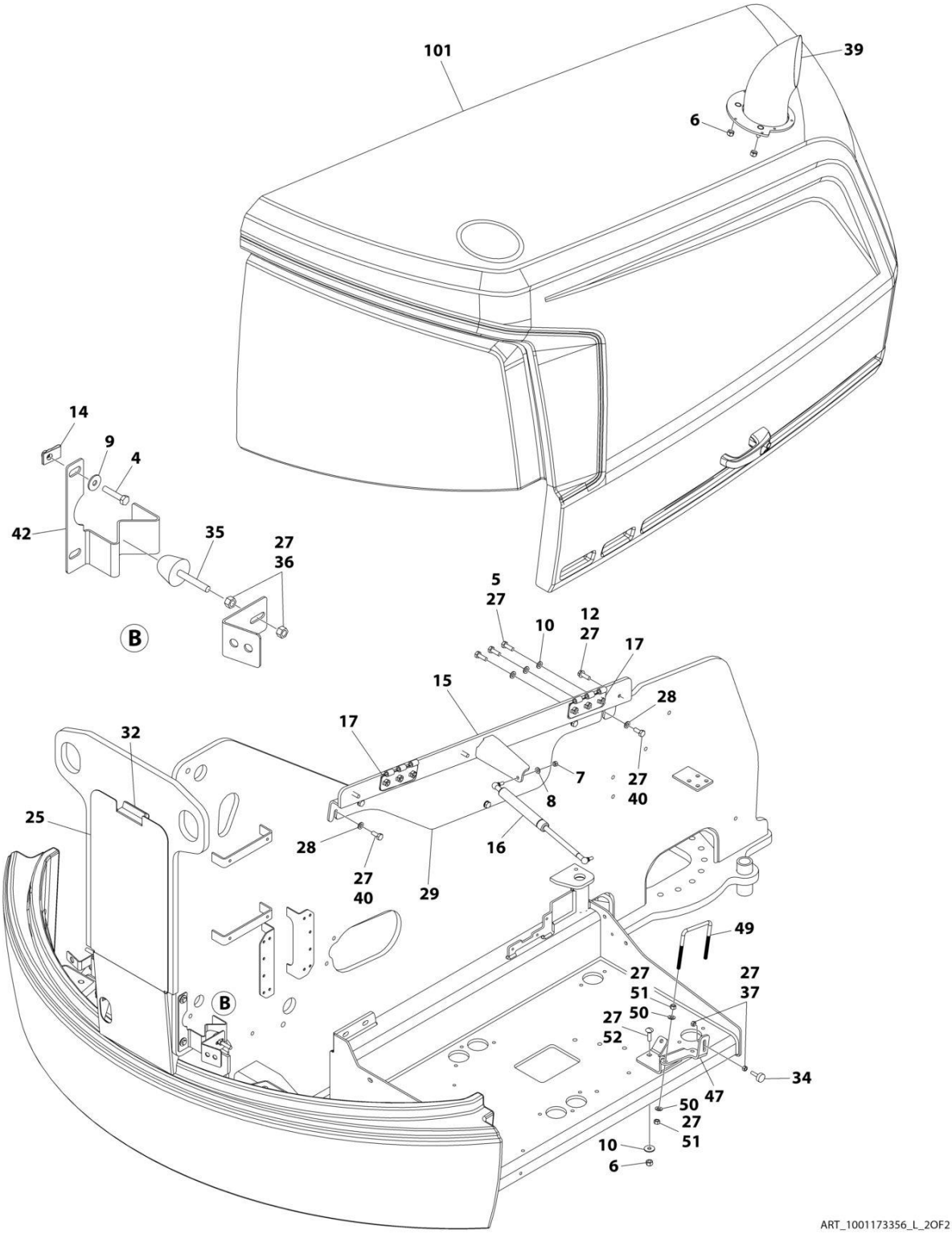


FIGURE 2-40. BEACON LIGHT INSTALLATION - RED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242852	Ref	BEACON LIGHT INSTALLATION - RED	B
1	0760615	2	Bolt M6 x 35	
2	2540020	1	Grommet, Insulation	
3	3290605	2	Nut M6	
4	3290405	2	Nut M4	
5	4031509	2	Capscrew M4 x 25	
6	4240099	AR	Tie-Strap (Not Shown)	
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	1001272682	1	Light, Beacon	
11	4460897	1	Receptacle, Female - 2 Position	
11	4460464	2	Pin, Male	
12	4811400	2	Washer M4	

FIGURE 2-41. HOOD INSTALLATION (ABS)

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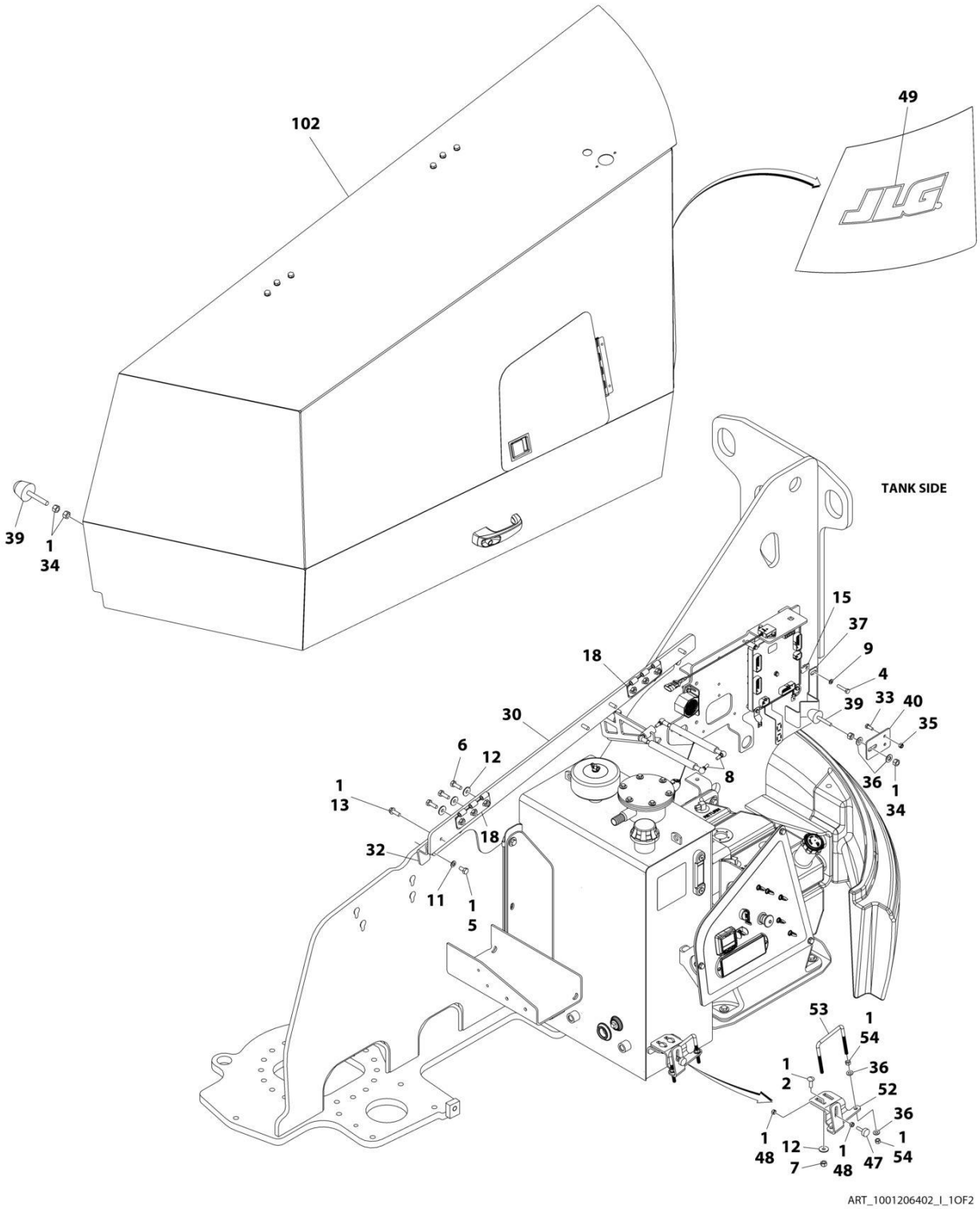
ART_1001173356_L_2OF2

FIGURE 2-41. HOOD INSTALLATION (ABS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173356	Ref	HOOD INSTALLATION	L
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	3.35 in/ 8.5cm	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	1001285518	1	Hood Kit (Not Shown) (Includes Items 101-102)	
101	1001170551	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001285517	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

FIGURE 2-42. HOOD INSTALLATION (STEEL)



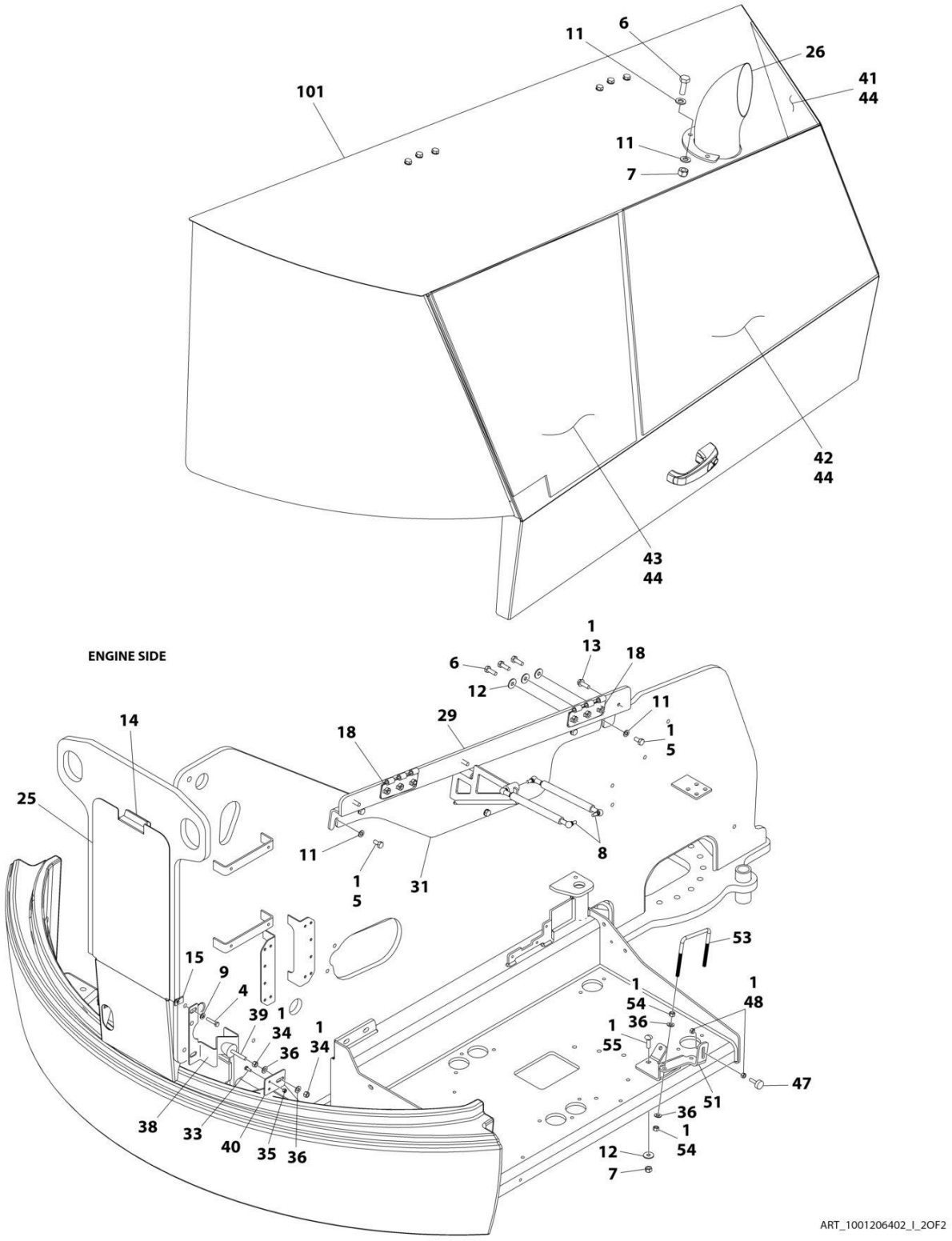

ENGINE SIDE
ART_1001206402_I_2OF2

FIGURE 2-42. HOOD INSTALLATION (STEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206402	Ref	STEEL HOOD INSTALLATION	I
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	12	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	1001285143	1	Hood Kit (Not Shown - Includes Items 101 & 102)	
101	1001206404	1	Steel Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001285142	1	Steel Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

FIGURE 2-43. ABS HOOD ASSEMBLY - ENGINE SIDE

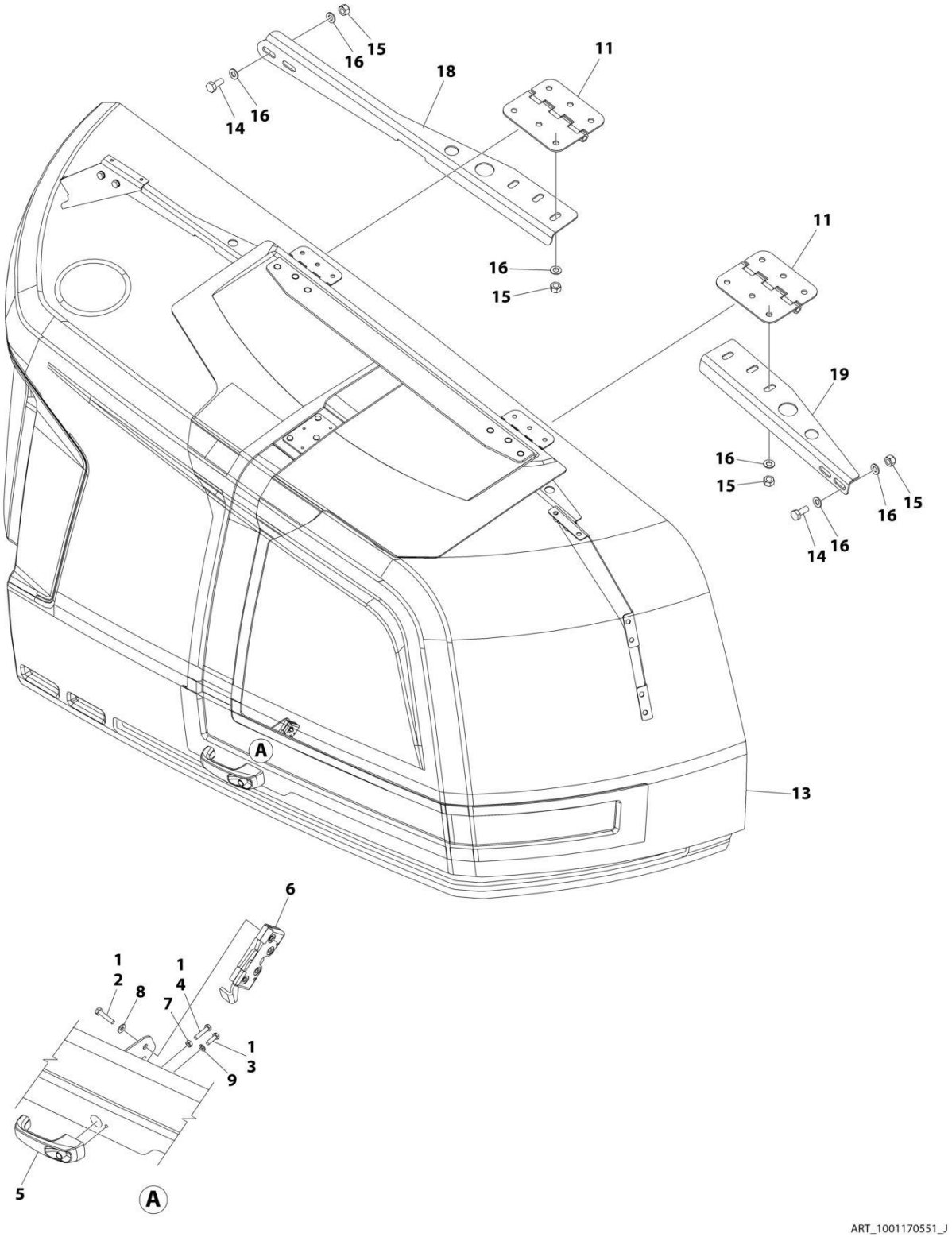


FIGURE 2-43. ABS HOOD ASSEMBLY - ENGINE SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170551	Ref	HOOD ASSEMBLY - ENGINE SIDE	J
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	
11	1001139384	2	Hinge	
13	See Note	NSS	Hood - Engine Side (Note: Purchase PN 1001170551)	
14	0761012	4	Bolt M10 x 25	
15	3291005	10	Nut M10	
16	4812000	14	Washer M10	
18	1001201636	1	Support, Hood	
19	1001201635	1	Support, Hood	

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

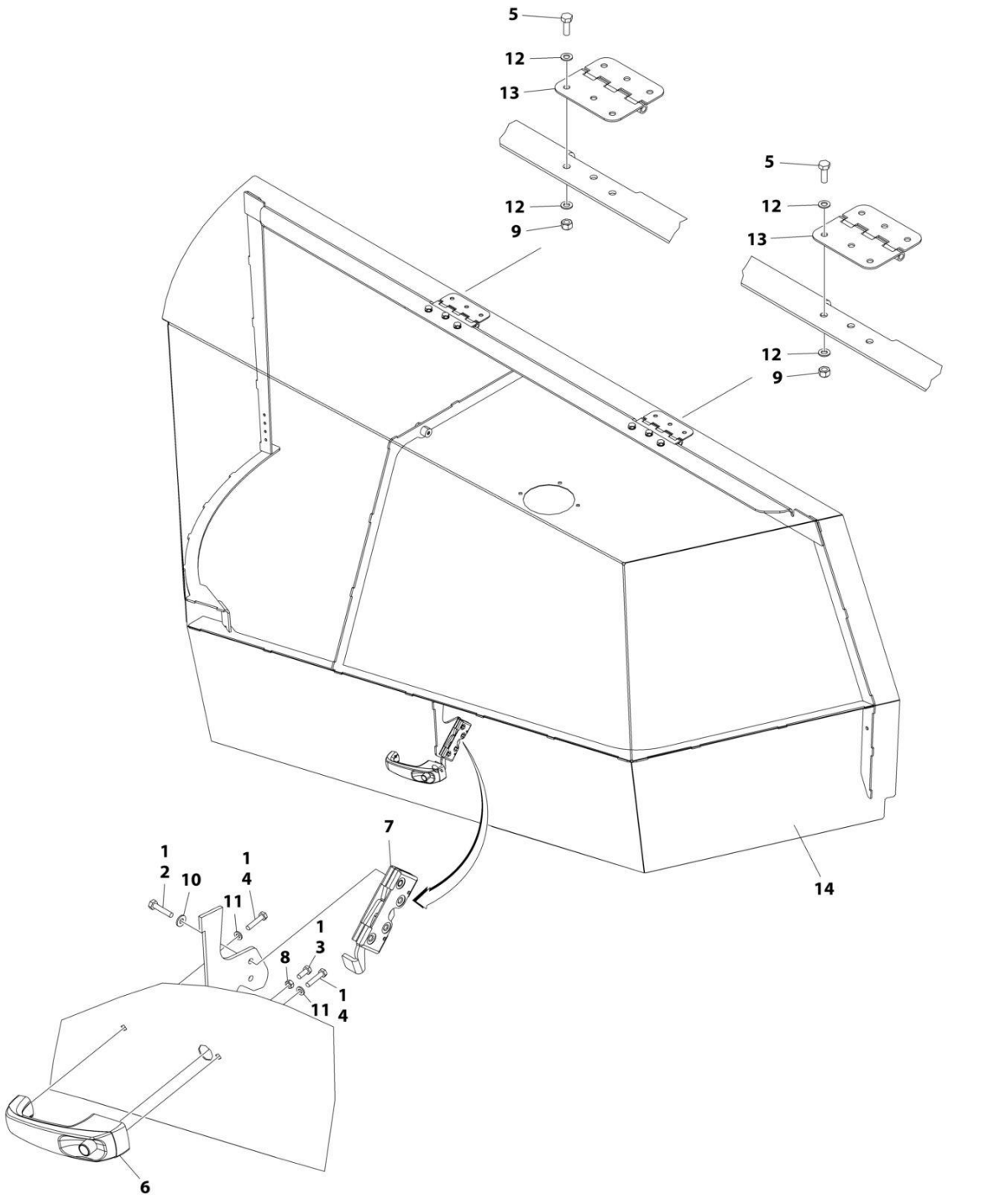


FIGURE 2-44. HOOD ASSEMBLY - ENGINE SIDE (STEEL)

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. ABS HOOD ASSEMBLY - TANK SIDE

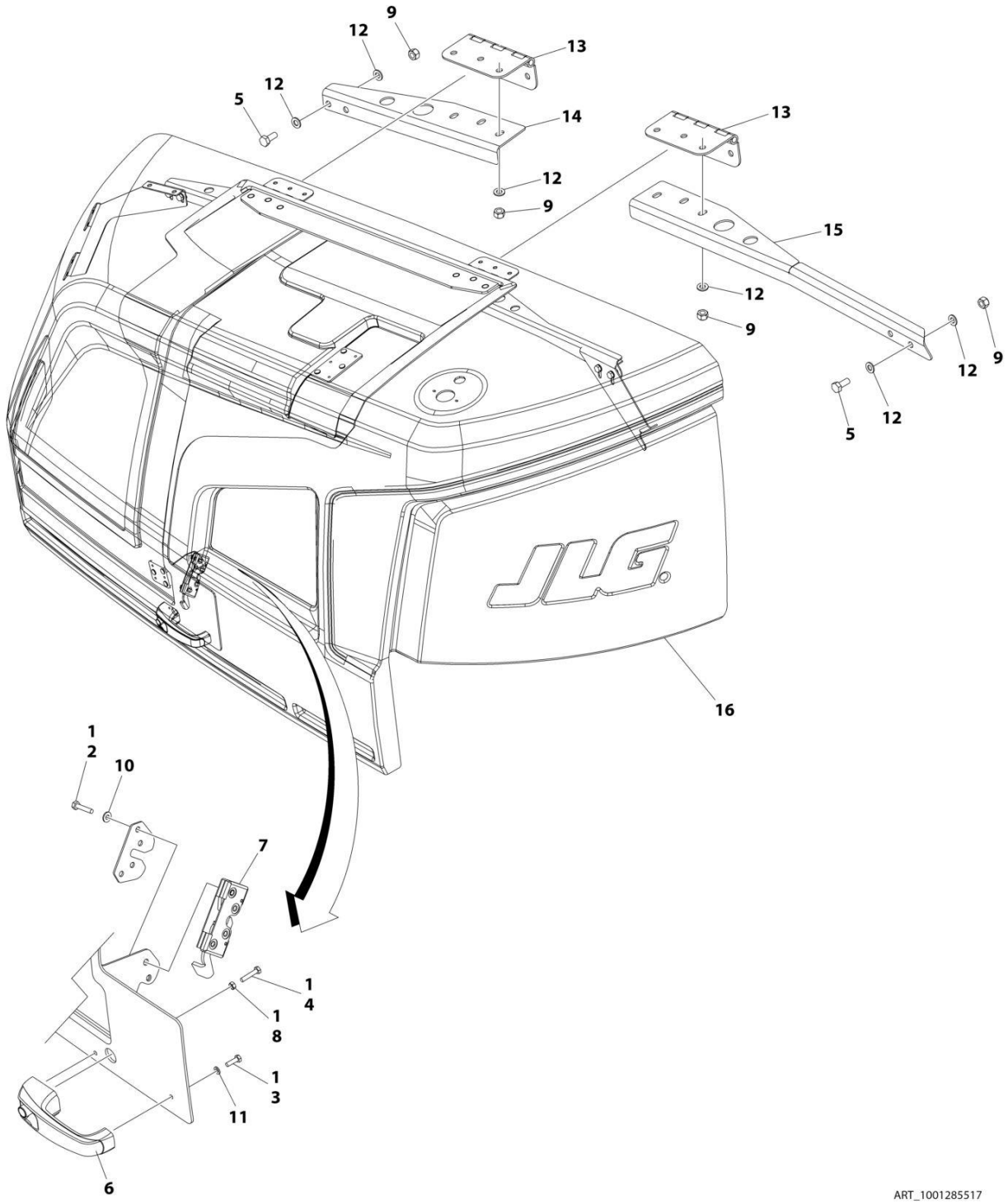


FIGURE 2-45. ABS HOOD ASSEMBLY - TANK SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285517	Ref	ABS HOOD ASSEMBLY - TANK SIDE	A
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	0761012	4	Bolt M10 x 25	
6	2560187	1	Handle, Push Button	
7	2940173	1	Latch, Rotary	
8	3290601	1	Nut M6	
9	3291005	10	Nut M10	
10	4711400	4	Washer 1/4	
11	4811700	2	Washer M6	
12	4812000	14	Washer M10	
13	1001139384	2	Hinge	
14	1001201633	1	Hood Support	
15	1001201634	1	Hood Support	
16	See Note	NSS	Hood (Note: Use PN 1001285517)	

FIGURE 2-46. STEEL HOOD ASSEMBLY - TANK SIDE

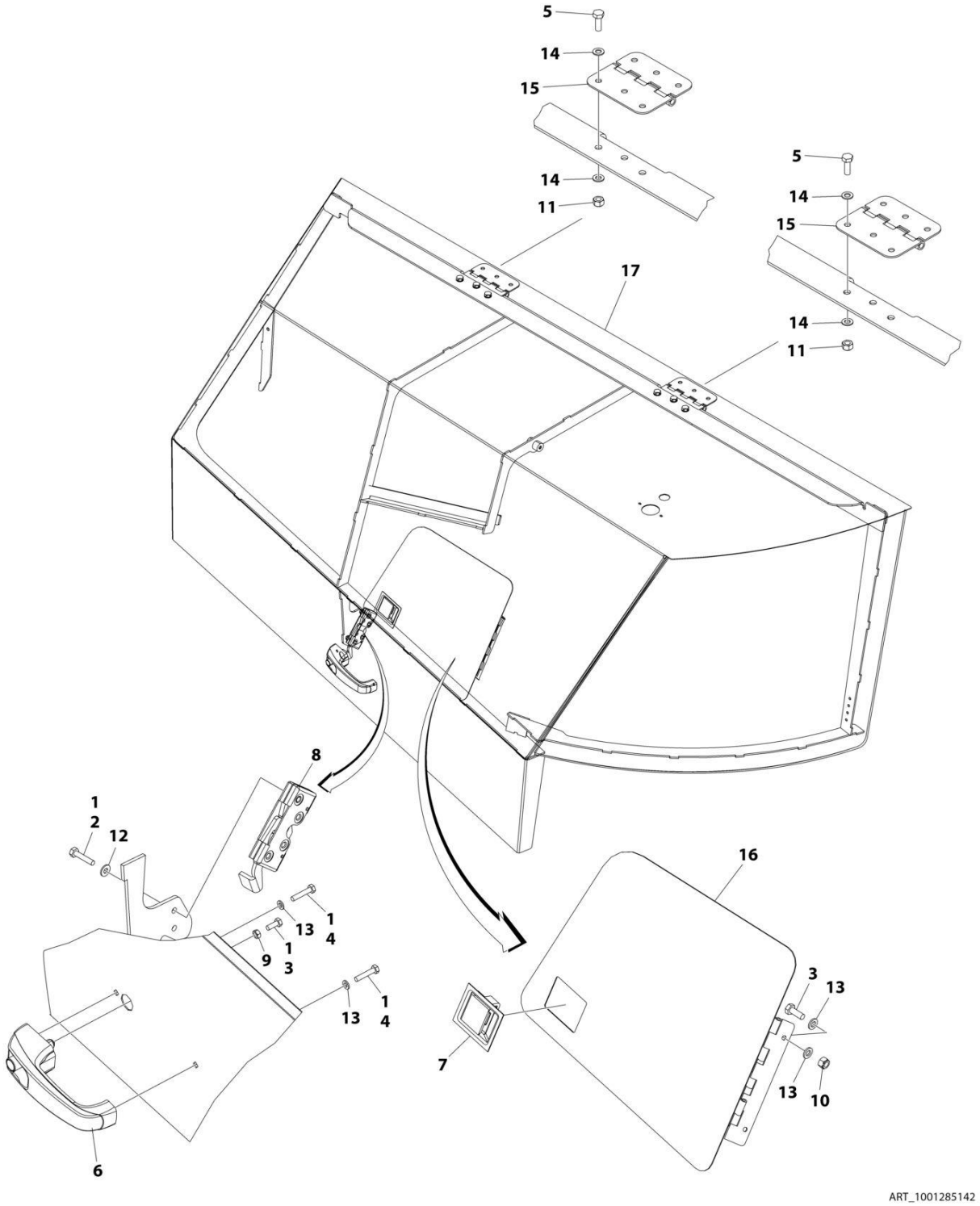


FIGURE 2-46. STEEL HOOD ASSEMBLY - TANK SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285142	Ref	STEEL HOOD ASSEMBLY - TANK SIDE	B
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	
16	1001207726	1	Door, Ground Control Panel	
17	See Note	NSS	Hood (Note: Use PN 1001285142)	

FIGURE 2-47. SOUND REDUCTION INSTALLATION - WITH STEEL HOODS (OPTIONAL)

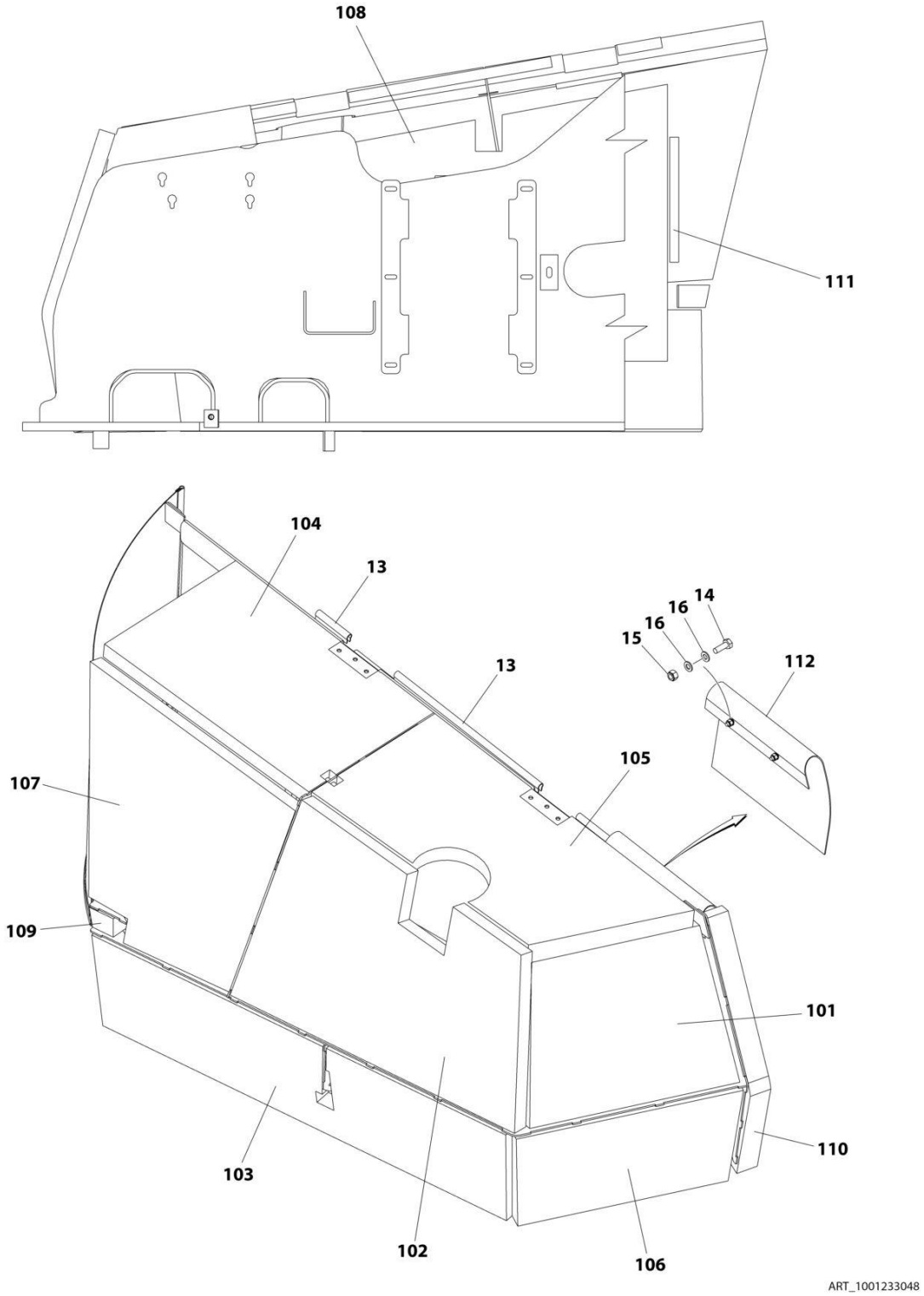


FIGURE 2-47. SOUND REDUCTION INSTALLATION - WITH STEEL HOODS (OPTIONAL)

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 2-48. HOOD PLUGS INSTALLATION (HOODS WITHOUT STROBE LIGHT)

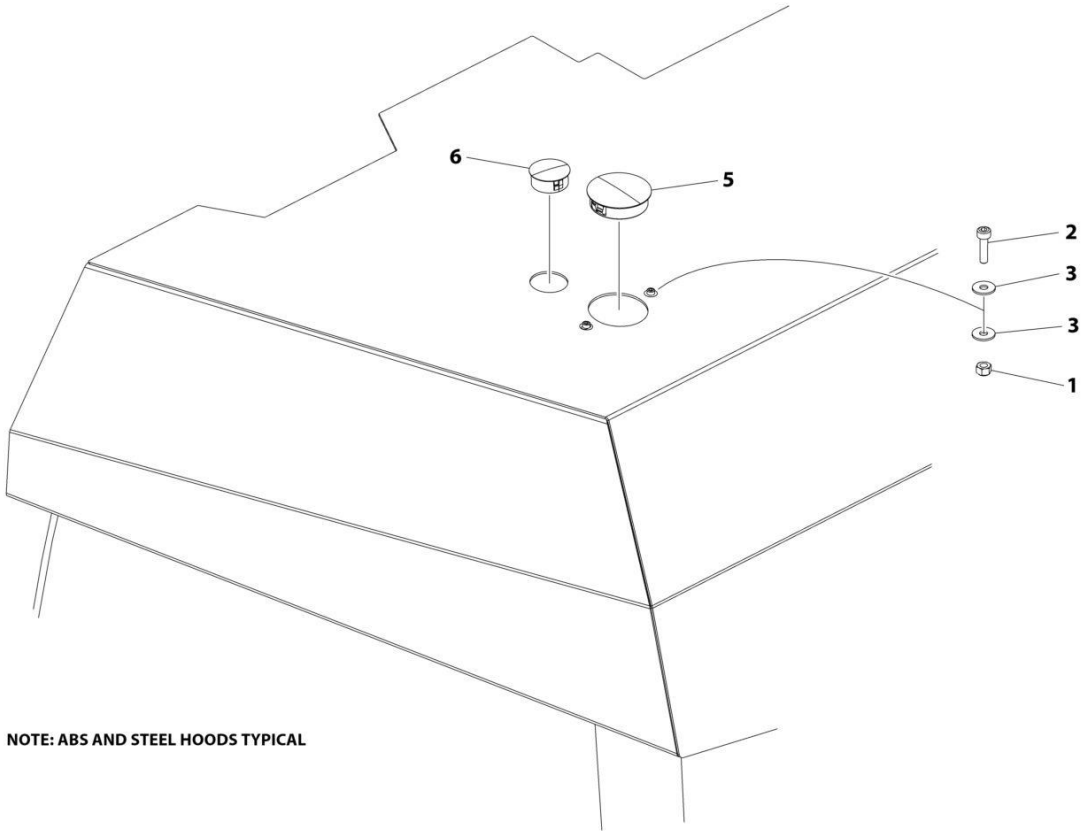
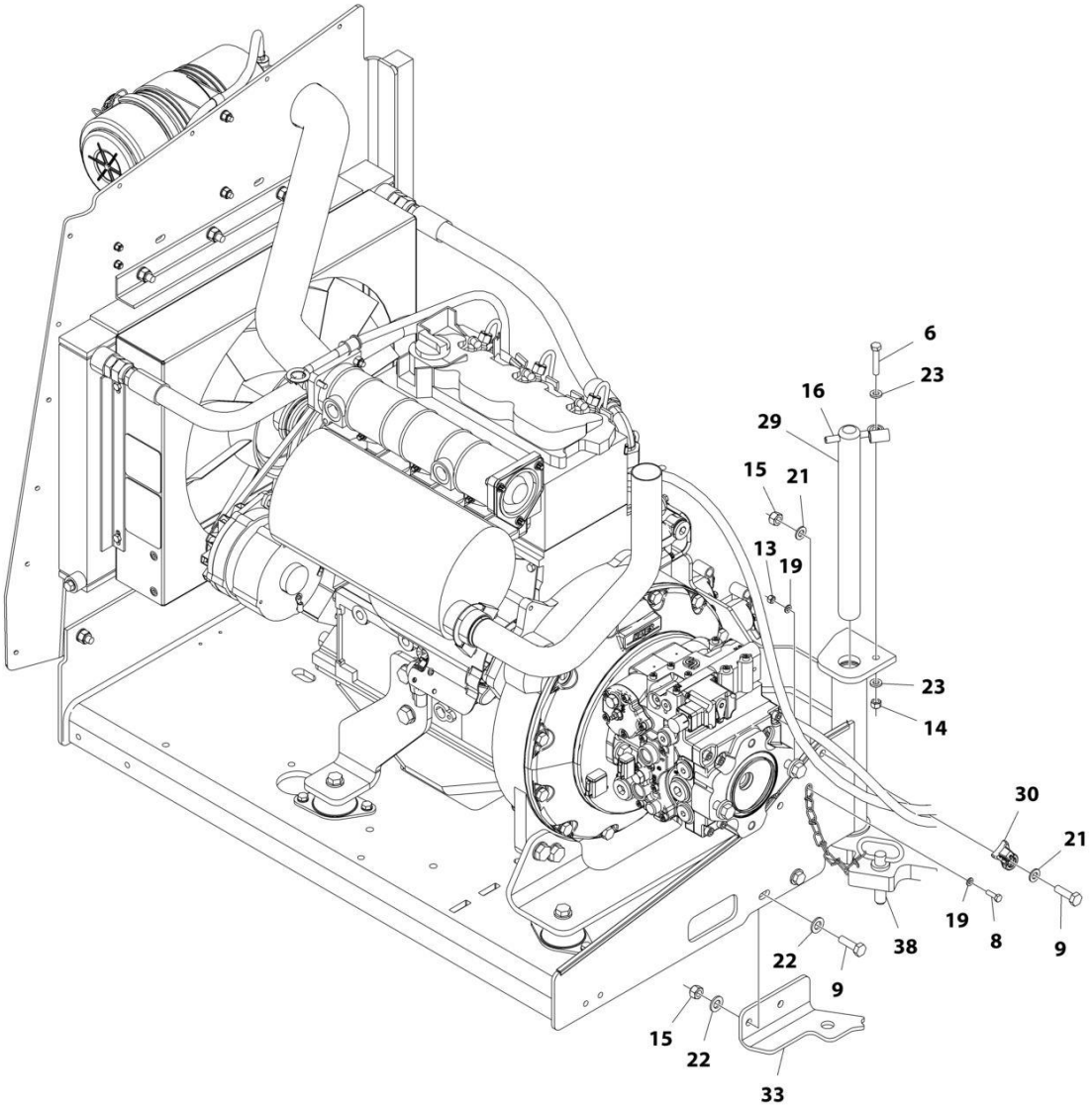


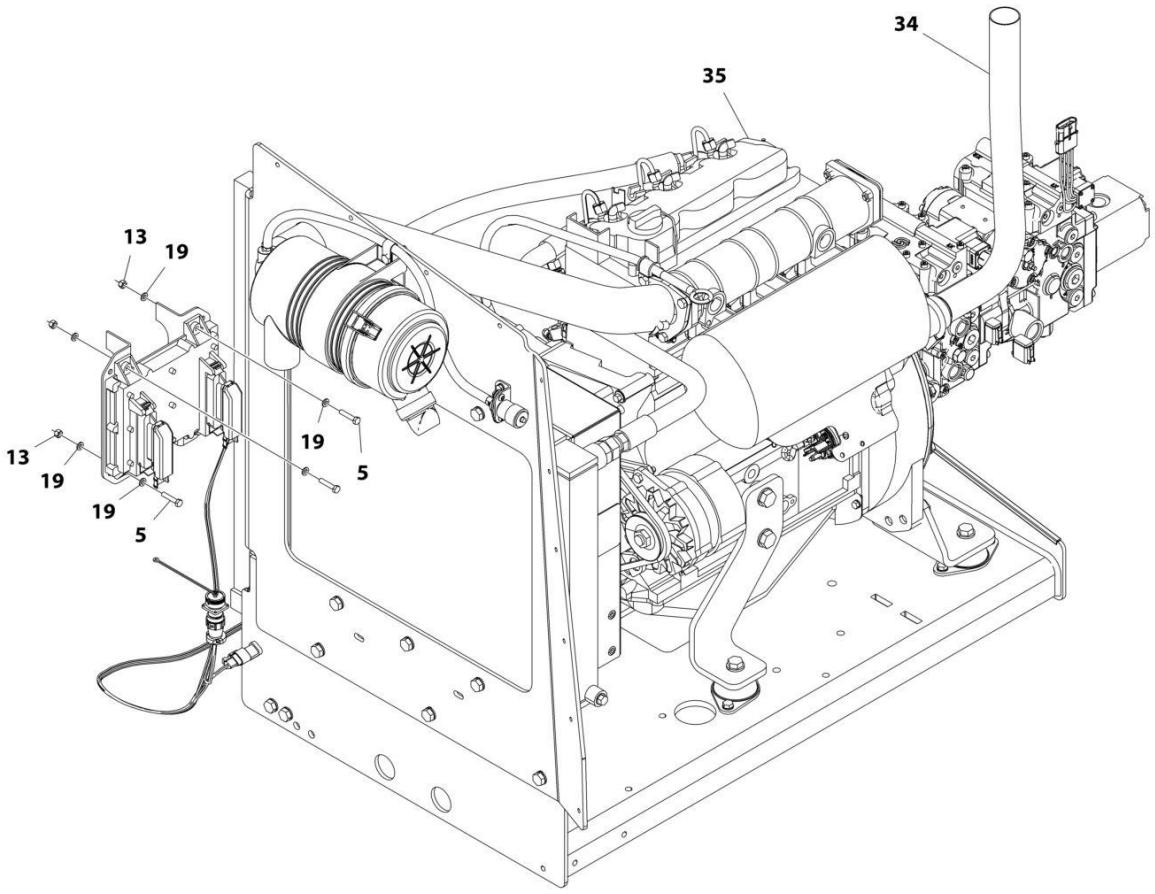
FIGURE 2-48. HOOD PLUGS INSTALLATION (HOODS WITHOUT STROBE LIGHT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285811	Ref	HOOD PLUGS INSTALLATION	A
1	3290405	2	Nut M4	
2	4031507	2	Capscrew M4 x 16	
3	1001091102	4	Washer M6	
4	1001244462	1	Cap, Dust (Not Shown)	
5	1001285891	1	Plug	
6	1001285892	1	Plug	

SECTION 3 - ENGINE

FIGURE 3-1. ENGINE INSTALLATION (DEUTZ D2011) (ANSI EXPORT SPECS)





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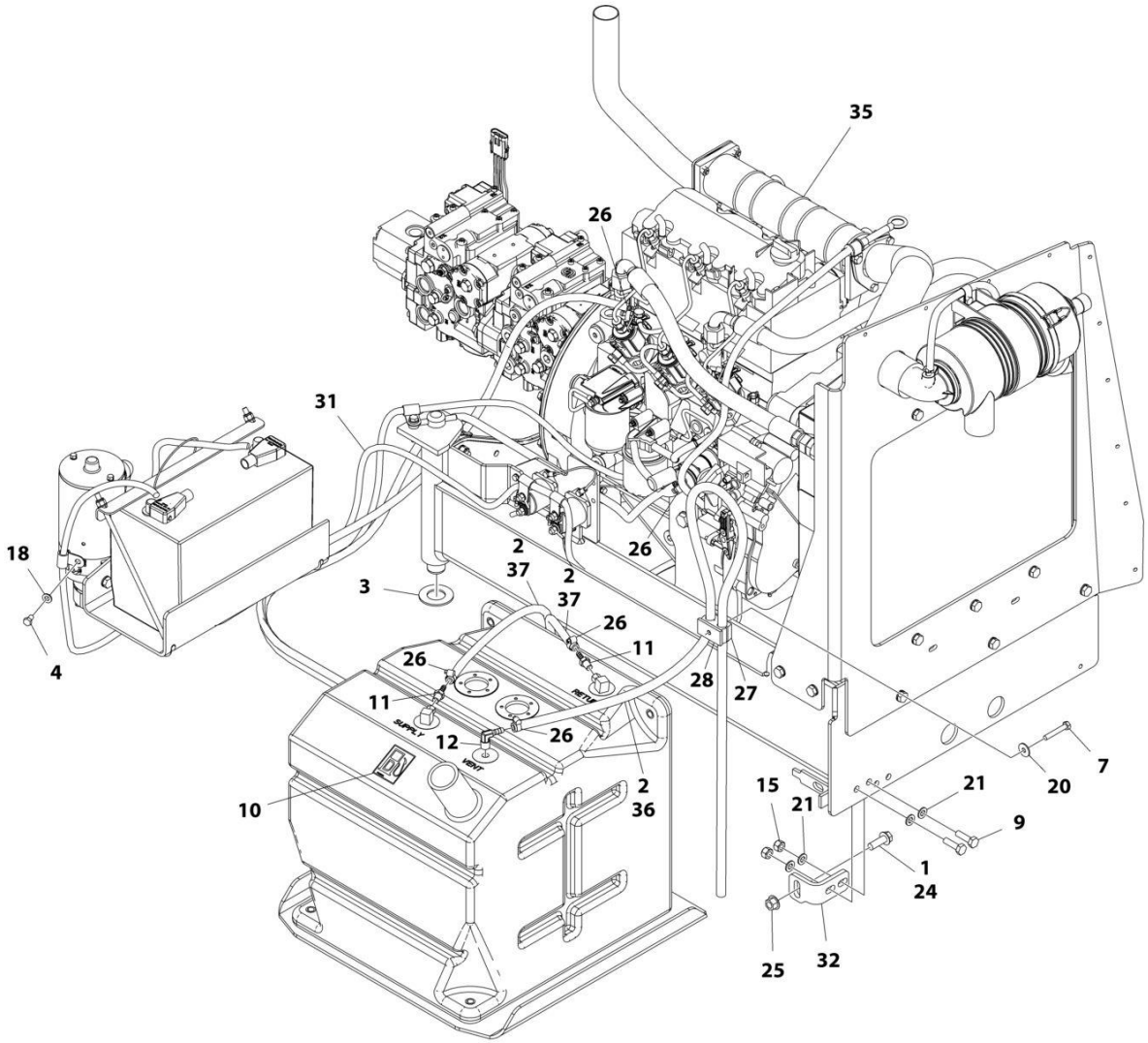
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ART_1001190869_3OF3

FIGURE 3-1. ENGINE INSTALLATION (DEUTZ D2011) (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190869	Ref	ENGINE INSTALLATION (DEUTZ D2011)	F
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	0700818	1	Bolt M8 x 50	
8	0760610	1	Bolt M6 x 20	
9	0761015	5	Bolt M10 x 35	
10	1701505	1	Decal - Diesel Fuel	
11	2180348	2	Fitting, Barbed	
12	2220313	1	Fitting, Barbed 90	
13	3290605	5	Nut M6	
14	3290805	1	Nut M8	
15	3291005	5	Nut M10	
16	3841143	1	Pin	
17	4240099	AR	Tie-Strap (Not Shown)	
18	4711500	1	Washer 5/16	
19	4811700	10	Washer M6	
20	4811902	1	Washer M8	
21	4812000	6	Washer M10	
22	4812100	4	Washer M12	
23	5240800	2	Washer M8 Hardened	
24	5251215	1	Bolt M12 x 35	
25	5261200	1	Nut, Flange M12 (Class 10)	
26	8405009	5	Clamp	
27	8750014	1	Clamp	
28	8750031	1	Clamp	
29	1001135196	1	Pin	
30	1001156107	1	Holder, Cable	
31	1001167038	1	Battery Cable Kit	
32	1001167512	1	Bracket, Engine	
33	1001169823	1	Plate, Engine Lock	
34	1001172195	1	Pipe, Exhaust	
35	1001190868	1	Engine, Deutz D2011 W/ Pumps (See Separate Breakdown in this Section)	
36	2750532	5.5 ft /1.7m	Hose	
37	2720058	17 ft /5.18m	Hose	
38	3422532	1	Pin	

FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY (DEUTZ D2011) (ANSI EXPORT SPECS)

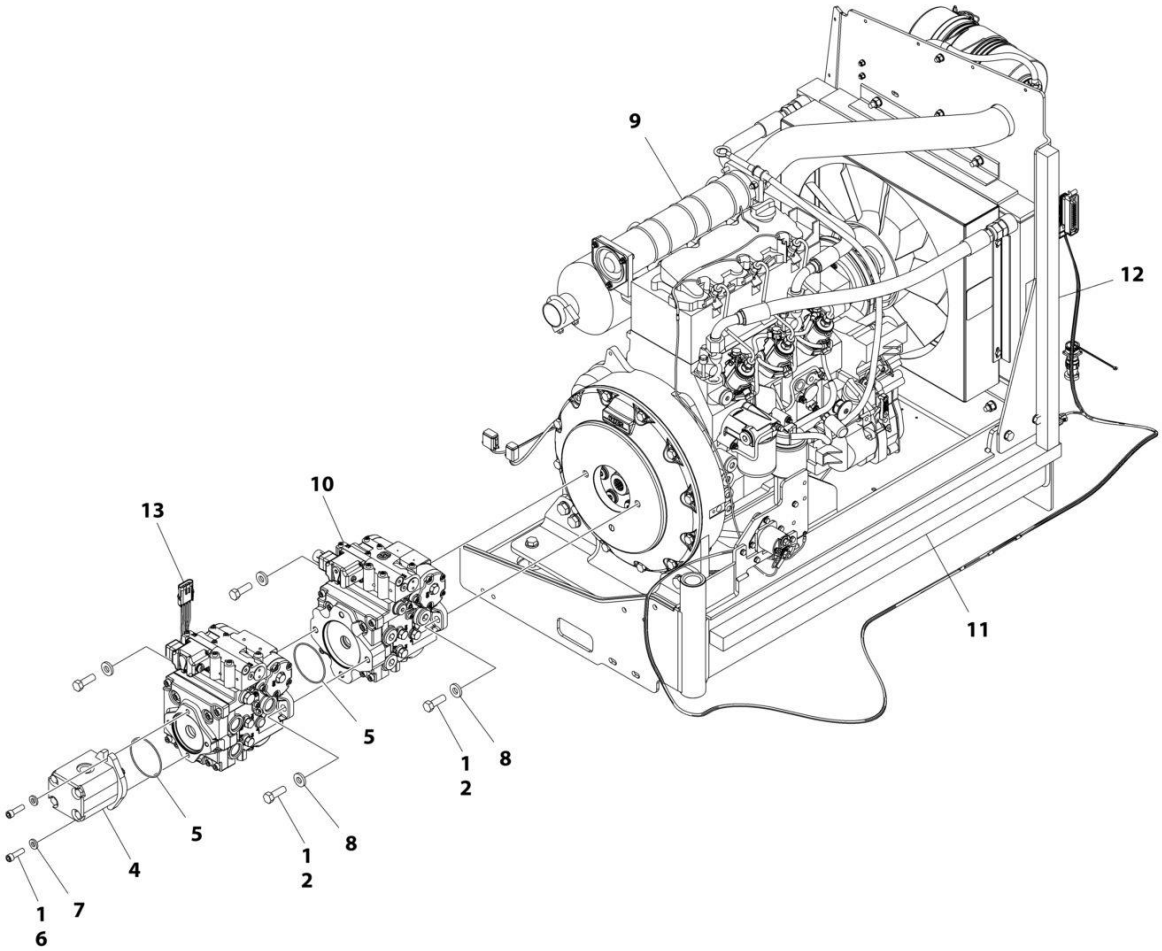
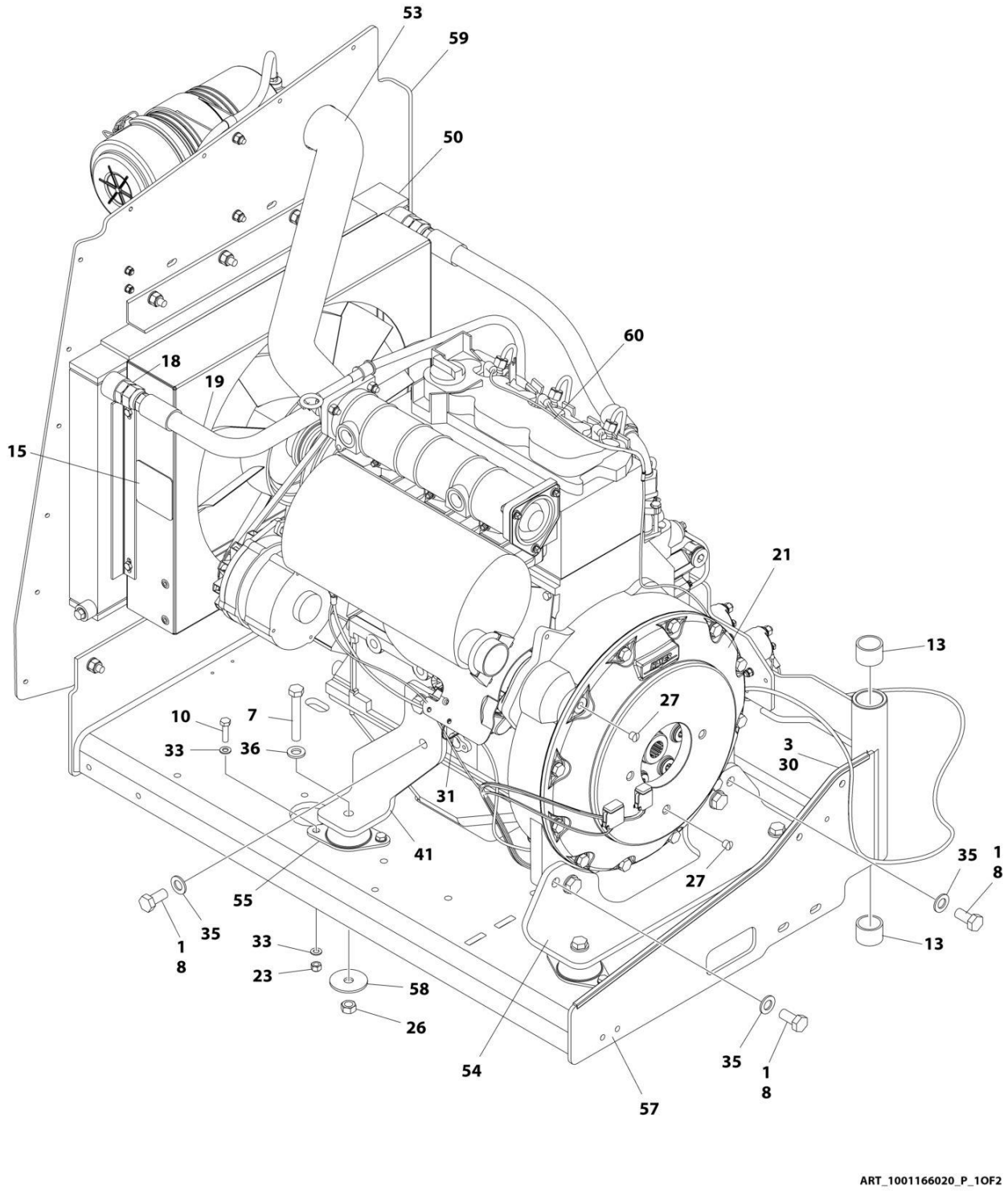
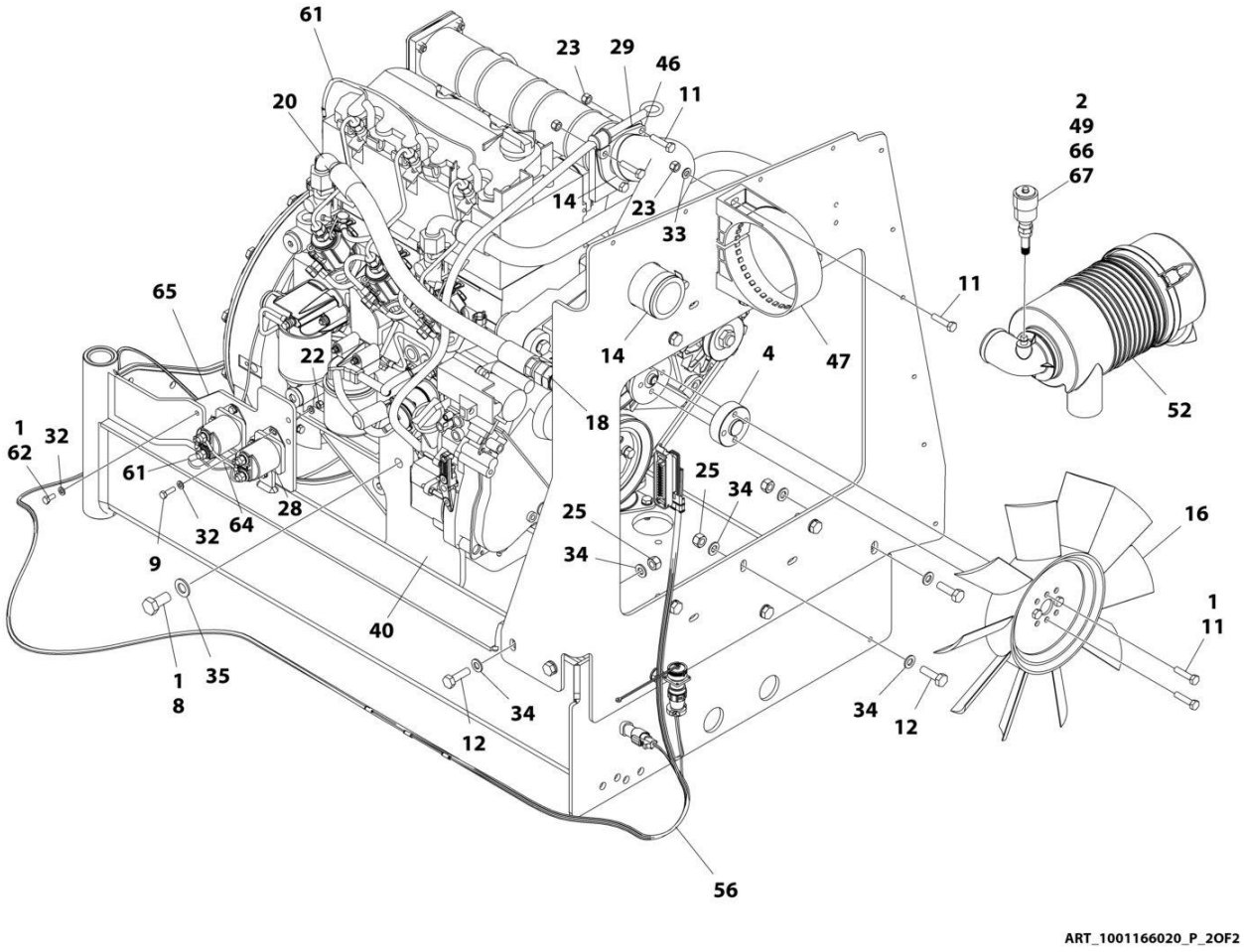


FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY (DEUTZ D2011) (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190868	Ref	ENGINE AND PUMP SUB-ASSEMBLY (DEUTZ D2011)	E
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
4	3600242	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
5	3790045	2	O-Ring	
6	3931620	2	Capscrew 3/8 x 1-1/4	
7	4891600	2	Washer 3/8 Hardened	
8	4891800	4	Washer 1/2 Hardened	
9	1001166020	1	Engine Assembly - Deutz D2011 Engine (See Separate Breakdown in this Section)	
10	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	
11	1001171953	1	Seal	
12	1001171954	1	Seal	
13	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	

FIGURE 3-3. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (ANSI EXPORT SPECS)

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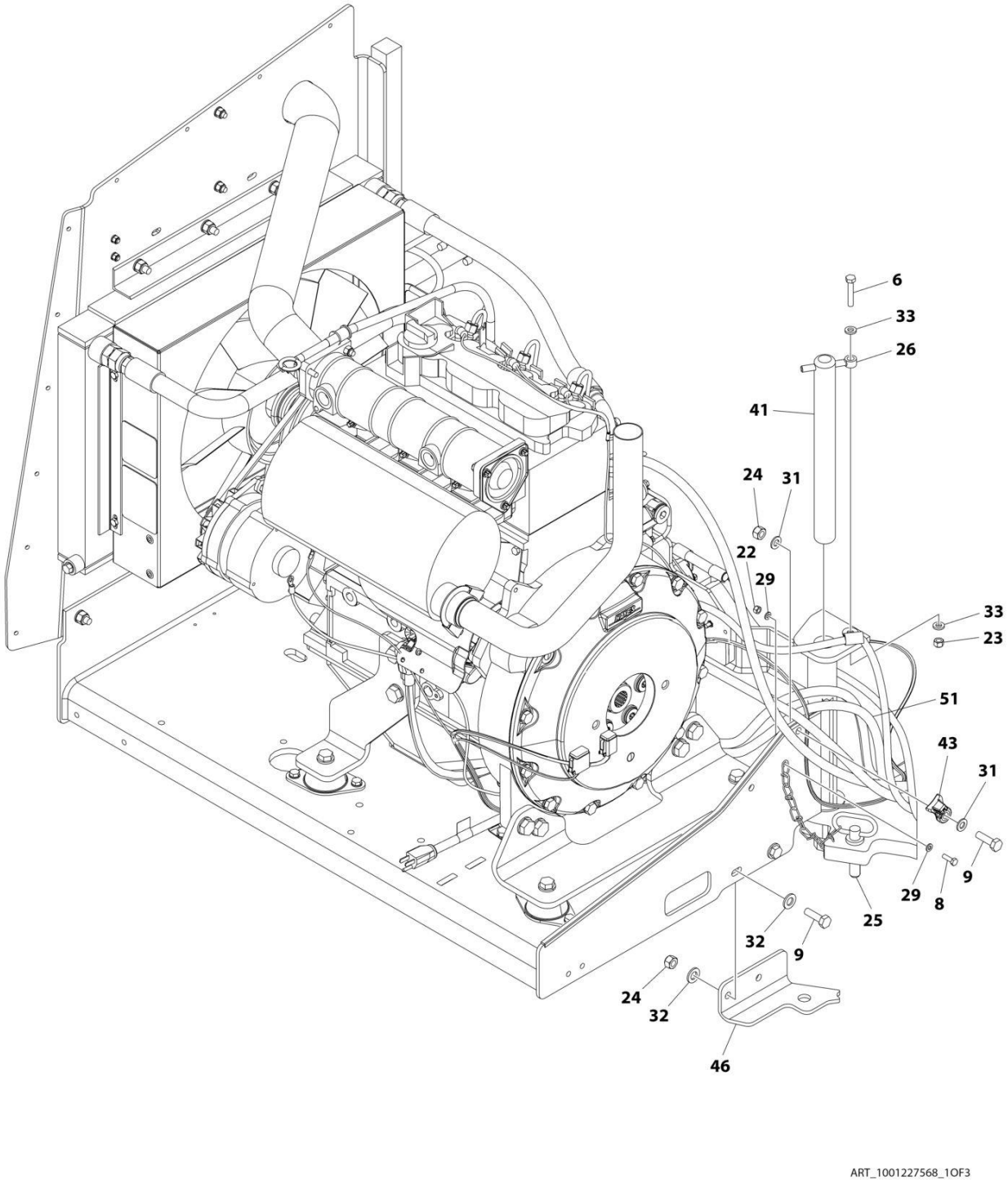
ART_1001166020_P_2OF2

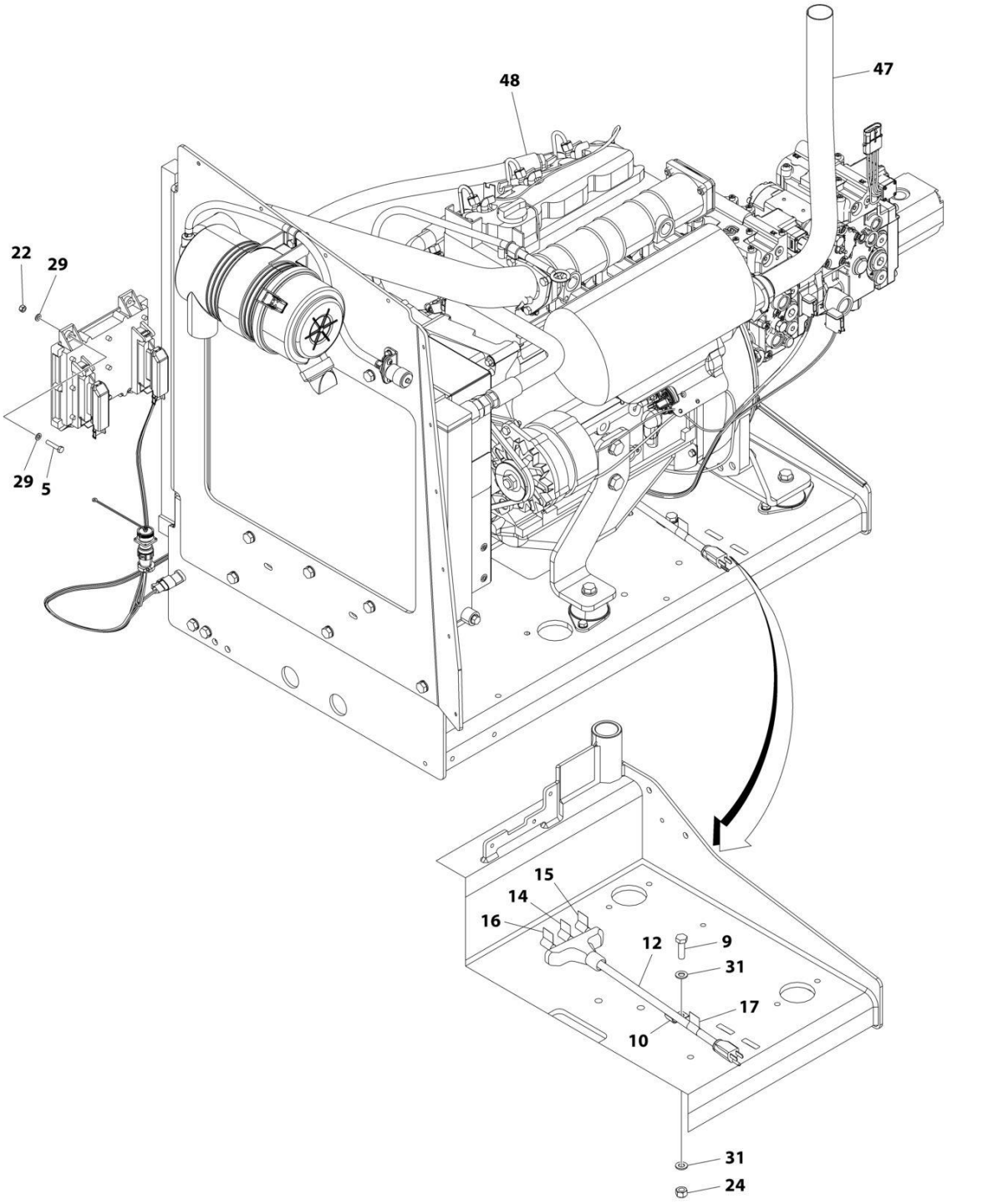
FIGURE 3-3. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166020	Ref	ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE)	P
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 Class 10.9	
8	0771414	8	Bolt M14 x 30 Class 10.9	
9	0760610	4	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	
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	4	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	11	Washer M6	
33	4811900	20	Washer M8	
34	4812000	22	Washer M10	
35	4812200	8	Washer M14	
36	5241200	4	Washer M12	
40	1001132195	1	Bracket, Engine Mount	
41	1001132196	1	Bracket, Engine Mount	
46	1001139819	1	Adapter, Air Intake	
47	1001141694	1	Clamp, Air Cleaner	
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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	
64	1001178859	1	Cable, Alternator	
65	1001214975	1	Bracket	
66	2200261	1	Fitting	
67	1001277432	1	Spacer	

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

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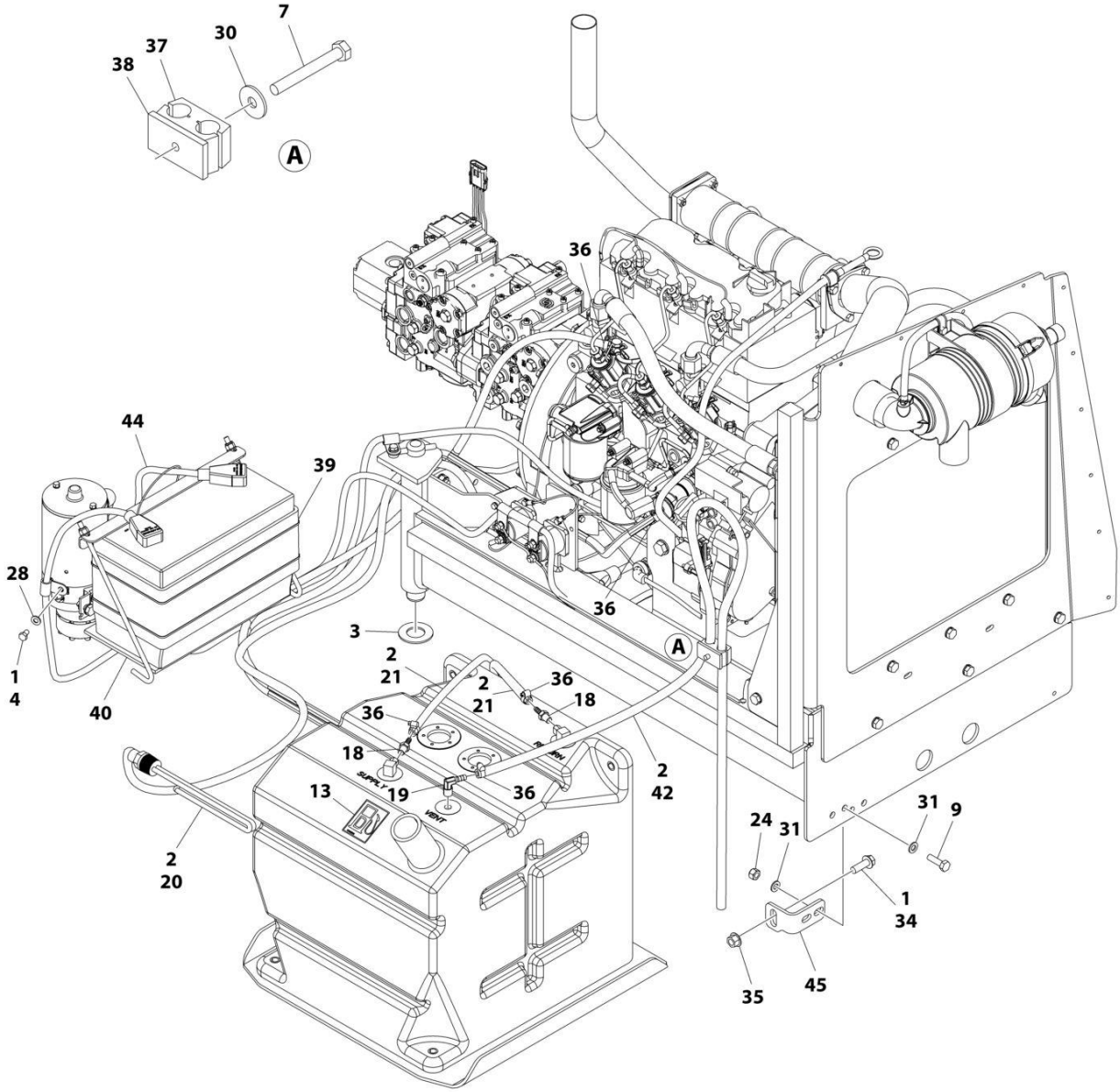

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FIGURE 3-4. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227568	Ref	ENGINE INSTALLATION - DEUTZ D2011 ENGINE	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	0700614	4	Bolt M6 x 30	
6	0700817	1	Bolt M8 x 45	
7	0700818	1	Bolt M8 x 50	
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	16.9 ft/ 5.2m	Hose	
22	3290605	5	Nut M6	
23	3290805	1	Nut M8	
24	3291005	6	Nut M10	
25	3422532	1	Pin	
26	3841143	1	Pin	
27	4240099	AR	Tie-Strap (Not Shown)	
28	4711500	1	Washer 5/16	
29	4811700	10	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, Flange M12 (Class 10)	
36	8405009	5	Clamp	
37	8750014	1	Clamp	
38	8750031	1	Plate	
39	2580024	1	Heater, Battery	
40	1001119278	1	Insulate	
41	1001135196	1	Pin	
42	2750532	5.5 ft/ 1.7m	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)	

SECTION 3 - ENGINE

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	1001227576	1	Pipe, Exhaust	
48	1001227570	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
51	1001150918	1	Cable, Extension Cord	

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

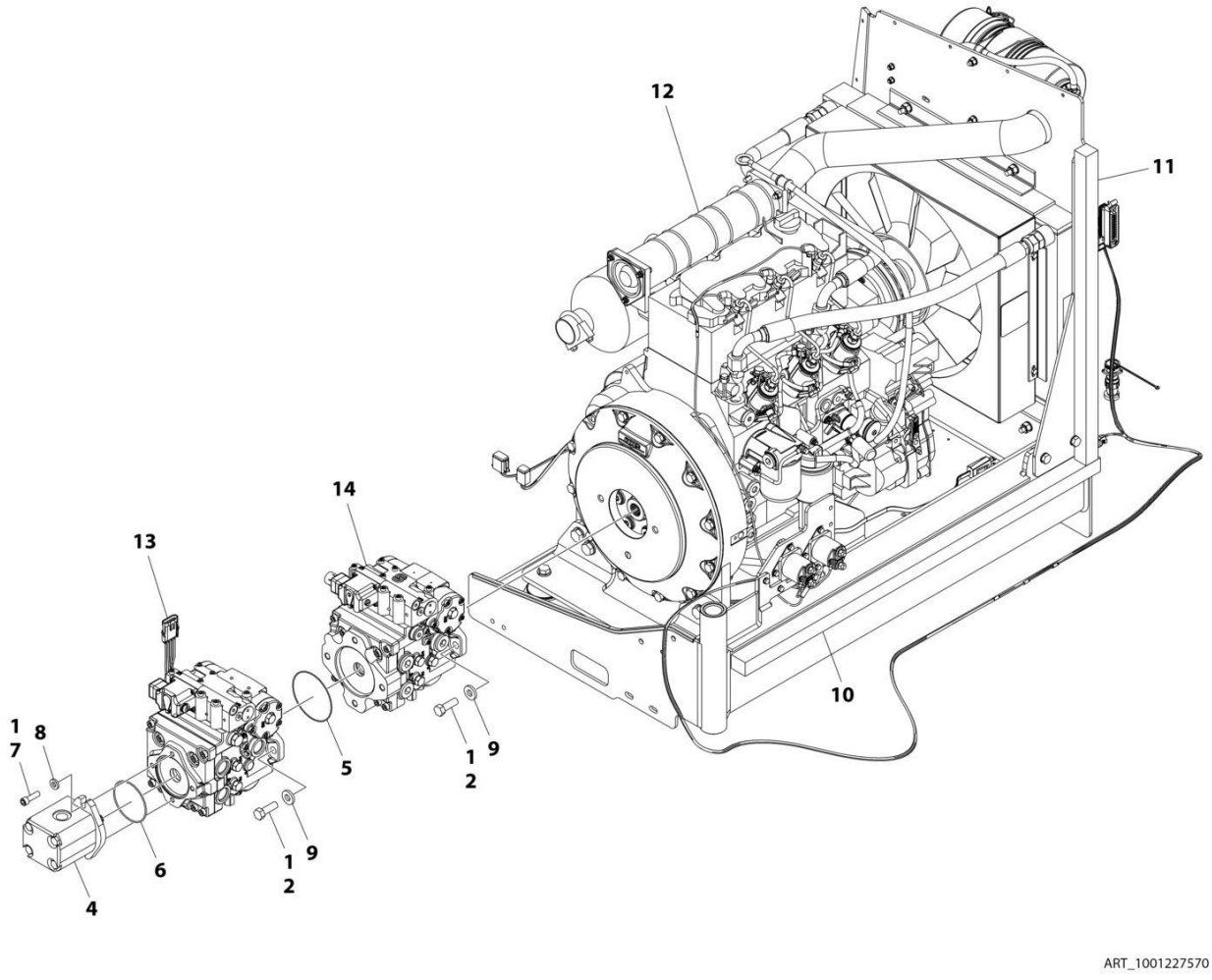
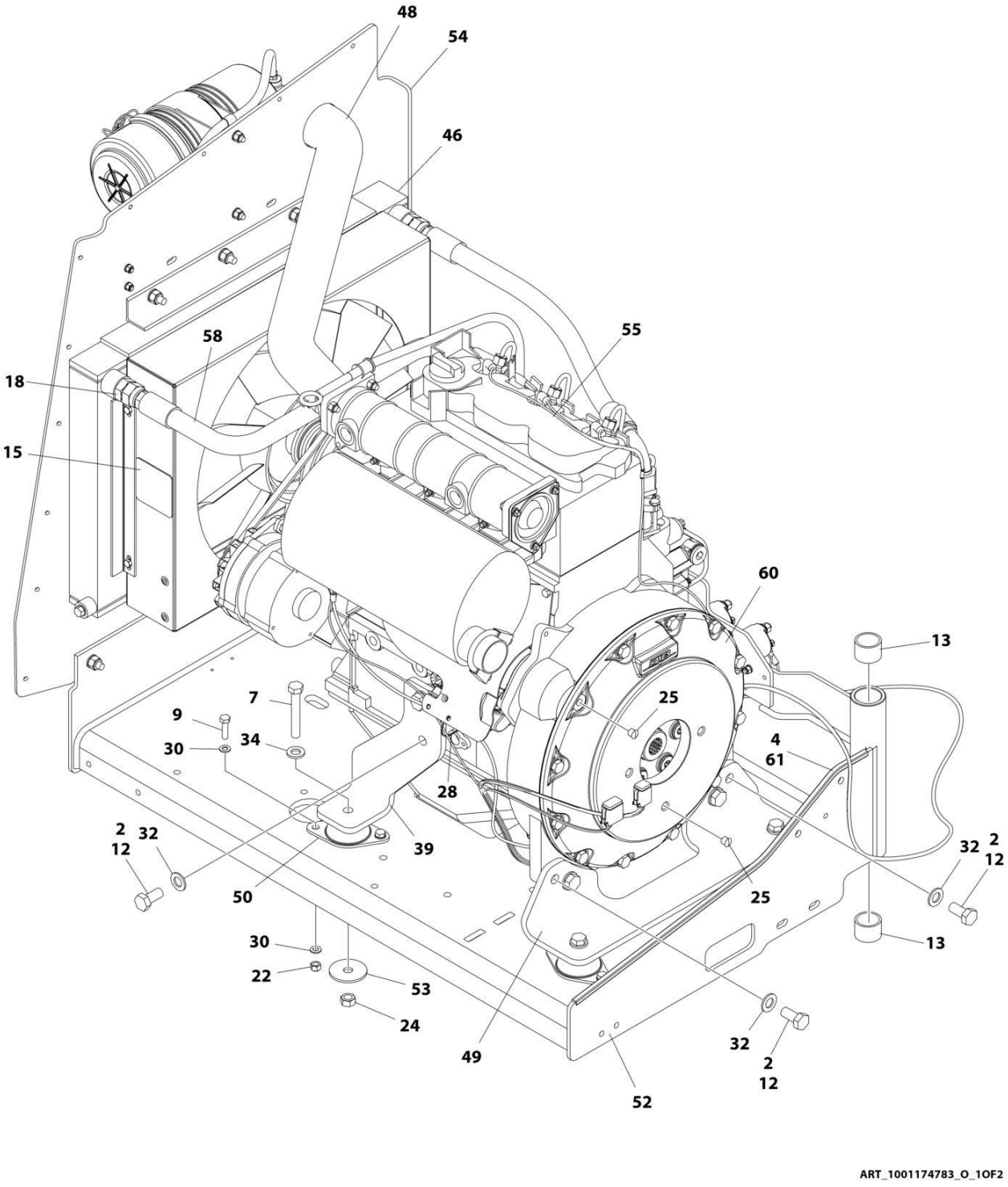


FIGURE 3-5. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227570	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 ENGINE	B
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
4	3600242	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
5	3790045	1	O-Ring	
6	3790152	1	O-Ring	
7	3931620	2	Capscrew 3/8 x 1-1/4	
8	4891600	2	Washer 3/8 Hardened	
9	4891800	4	Washer 1/2 Hardened	
10	1001171953	1	Seal	
11	1001171954	1	Seal	
12	1001174783	1	Engine Assembly - Deutz D2011 (See Separate Breakdown in this Section)	
13	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
14	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	

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



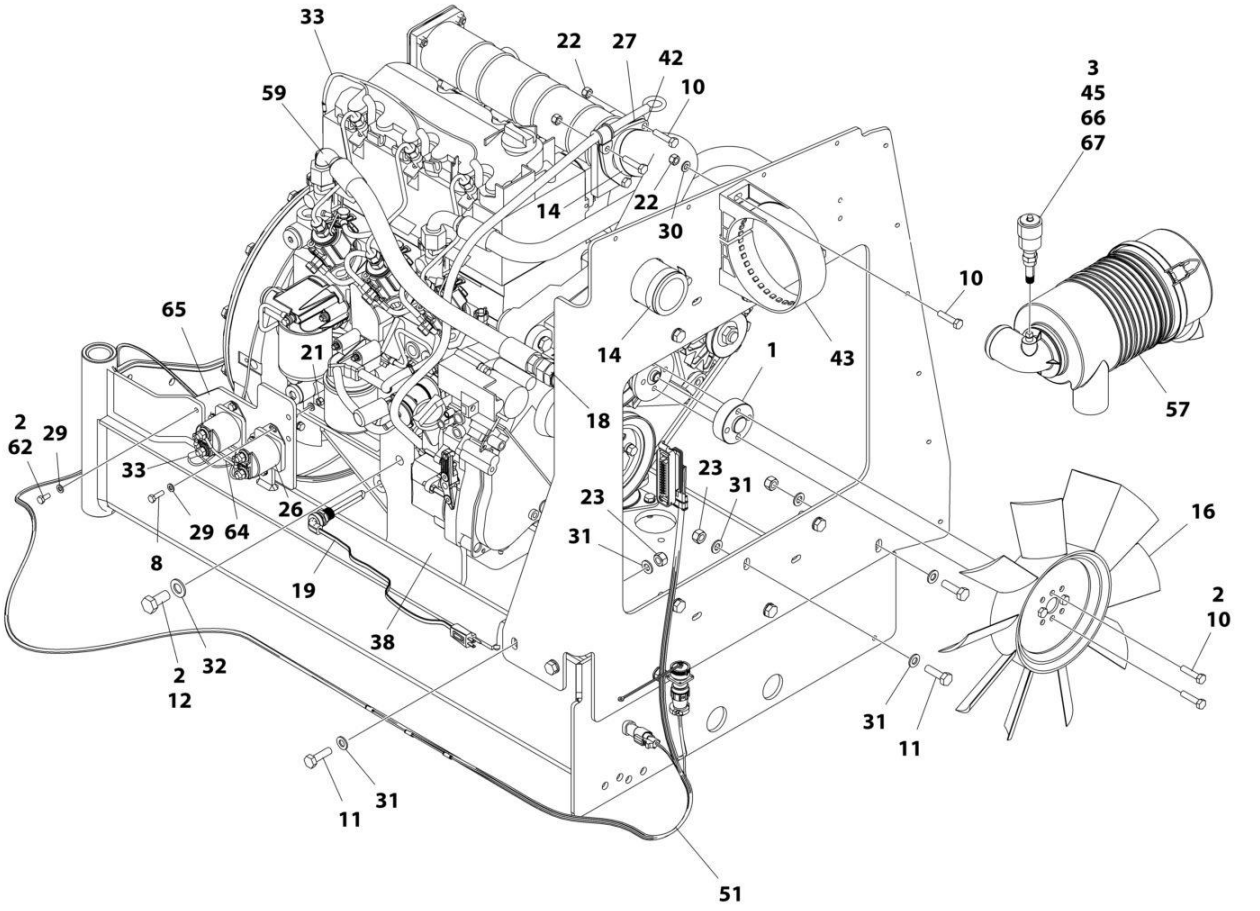

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FIGURE 3-6. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174783	Ref	ENGINE ASSEMBLY - DEUTZ D2011 (WITH ARCTIC PACKAGE)	O
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 Class10.9	
8	0760610	4	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 Class 10.9	
13	0961951	2	Bushing	
14	1320016	2	Clamp	
15	1703162	2	Decal - Caution Fan	
16	2060025	1	Fan	
18	2220451	2	Fitting, Straight JIC/ORB	
19	2580062	1	Heater, Engine Block	
21	3290605	4	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	11	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	
38	1001132195	1	Bracket, Engine Mount	
39	1001132196	1	Bracket, Engine Mount	
42	1001139819	1	Adapter, Air Intake	
43	1001141694	1	Clamp, Air Cleaner	
45	1001143390	1	Indicator	
46	1001150998	1	Radiator	
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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	1001168059	1	Plate, Radiator Mounting	
55	1001170693	1	Engine, Deutz D2011 (See Separate Breakdown in this Section)	
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	
64	1001178859	1	Cable, Alternator	
65	1001214975	1	Bracket	
66	2200261	1	Fitting	
67	1001277432	1	Spacer	

FIGURE 3-7. ENGINE COMPONENTS - DEUTZ D2011 (ANSI EXPORT SPECS)

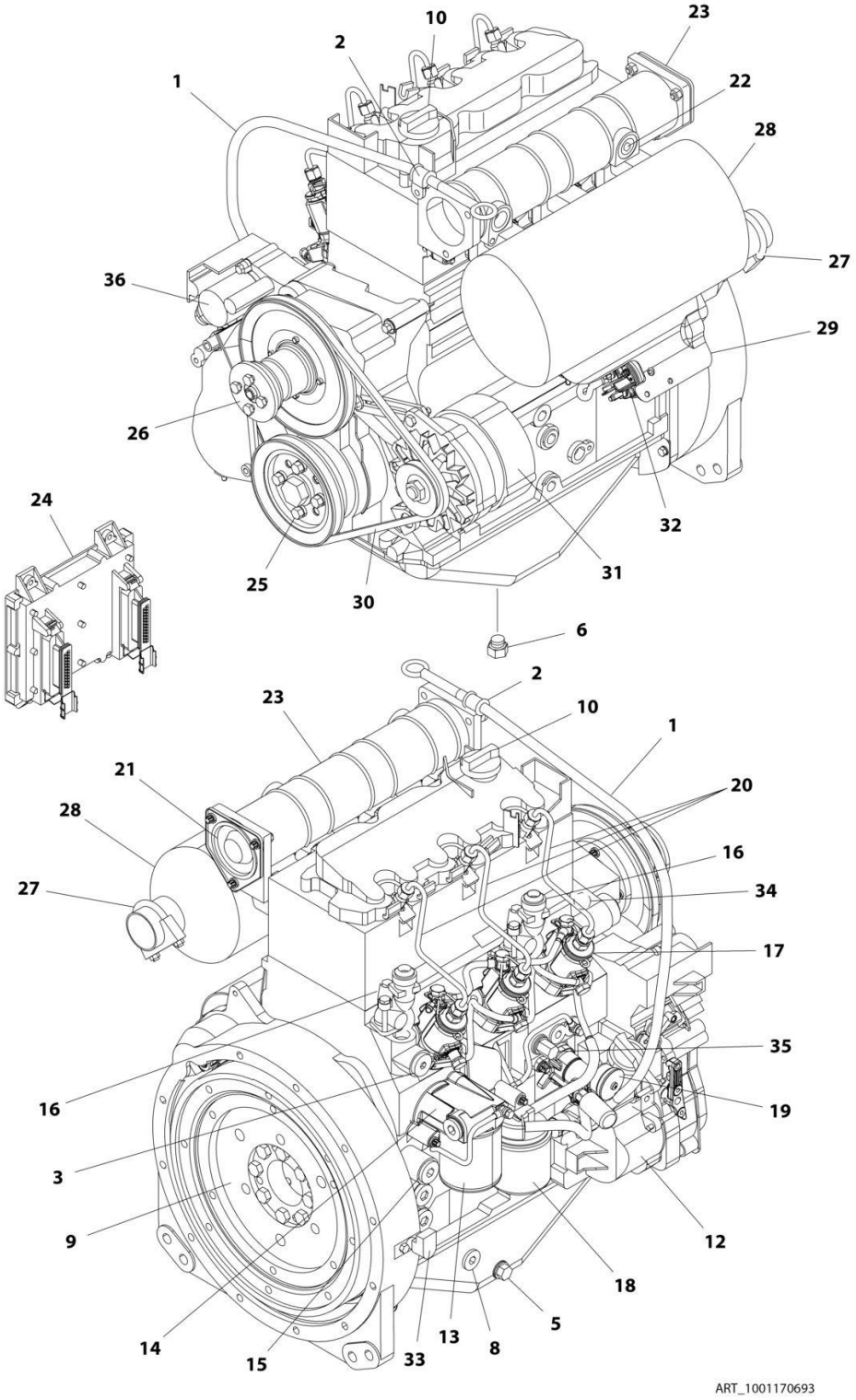


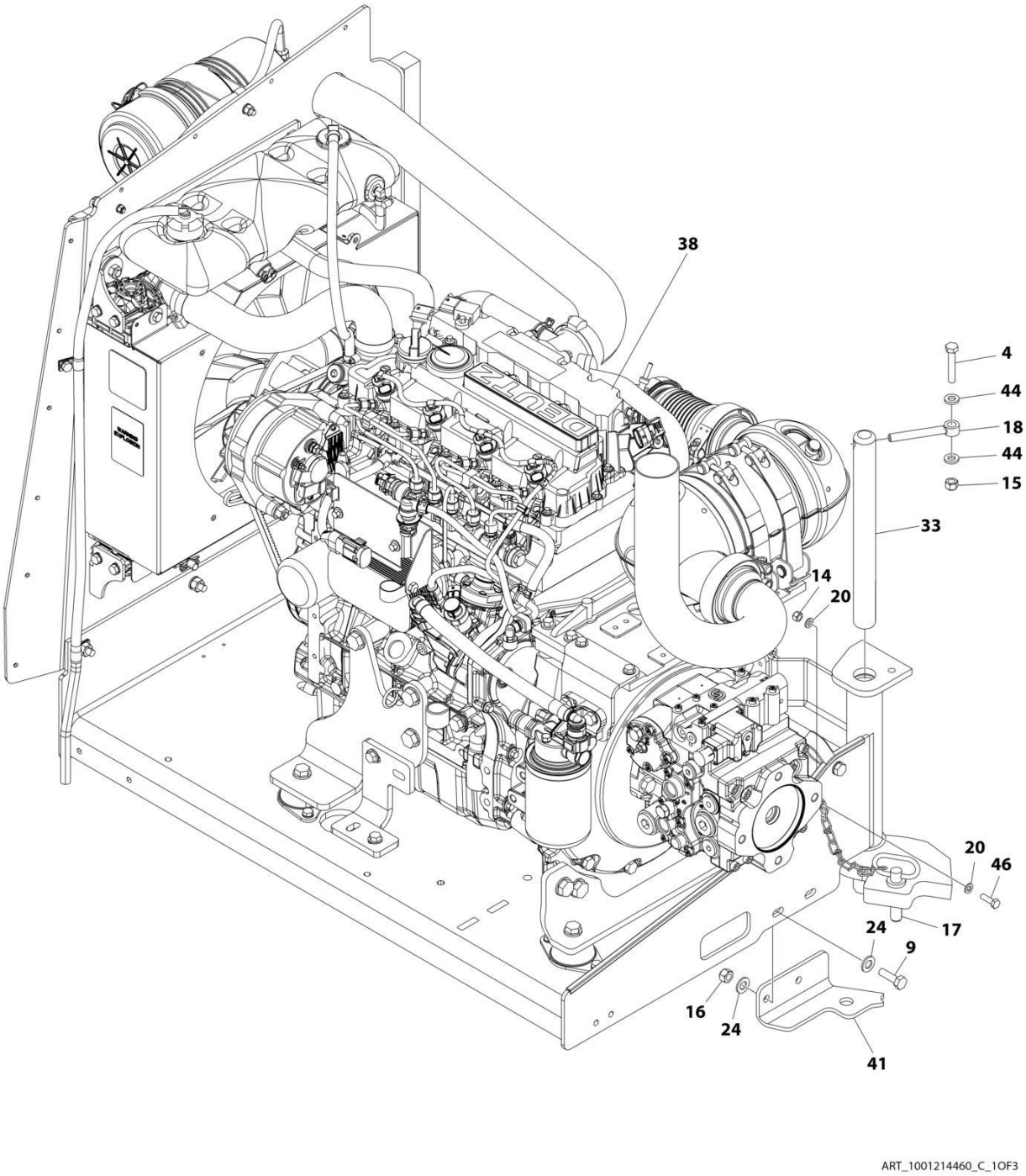
FIGURE 3-7. ENGINE COMPONENTS - DEUTZ D2011 (ANSI EXPORT SPECS)

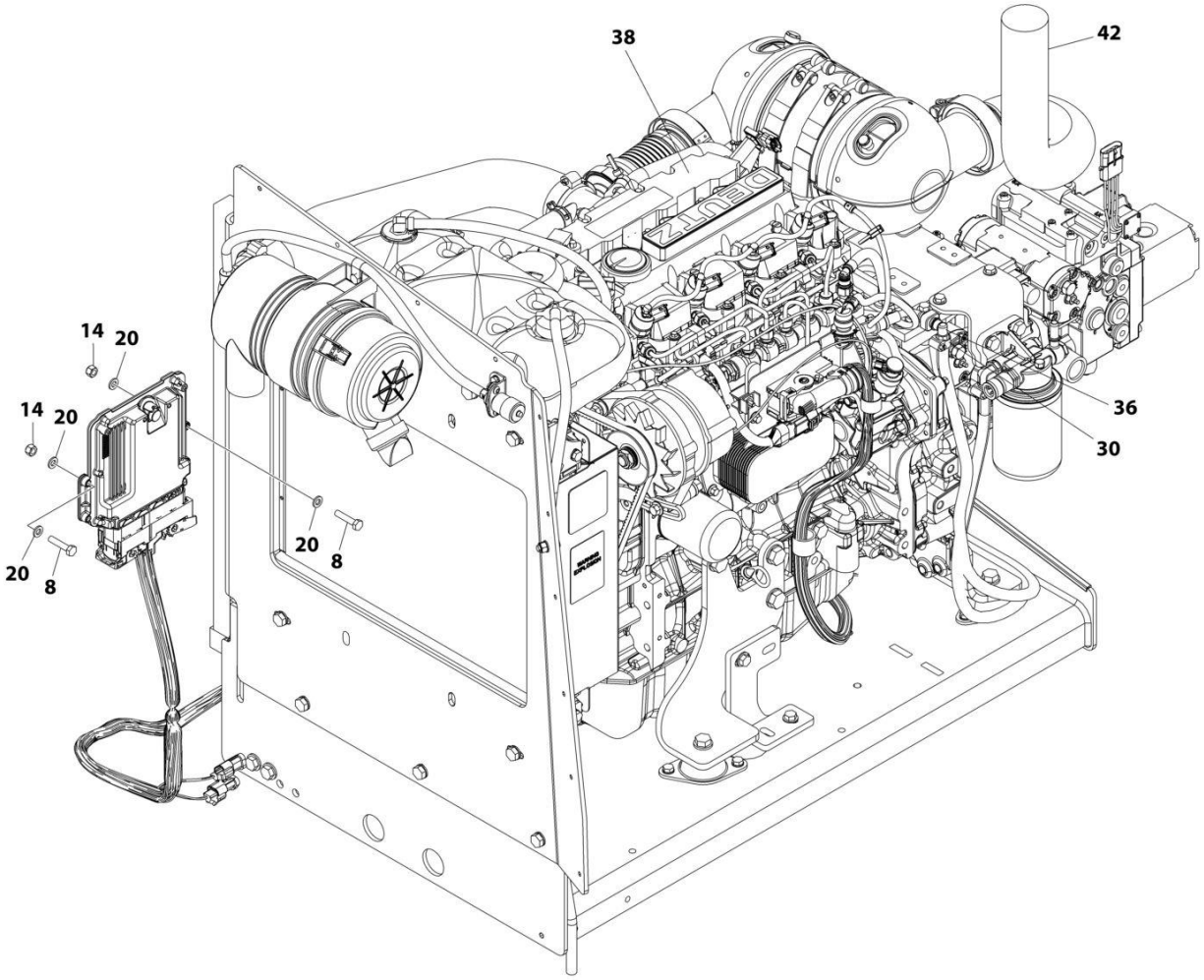
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170693	Ref	ENGINE COMPONENTS - DEUTZ D2011	C
1	70001002	1	Tube, Dipstick	
1	7020403	1	Seal, Tube	
1	7020026	1	Dipstick	
2	70001654	1	Clamp	
2	70001655	1	Bolt	
3	70003475	1	Thermostat	
3	7020460	1	Spring	
4		Ref	Seal and Gasket Options (Not Shown):	
4	70002718	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. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, CSA AND ANSI EXPORT SPECS)





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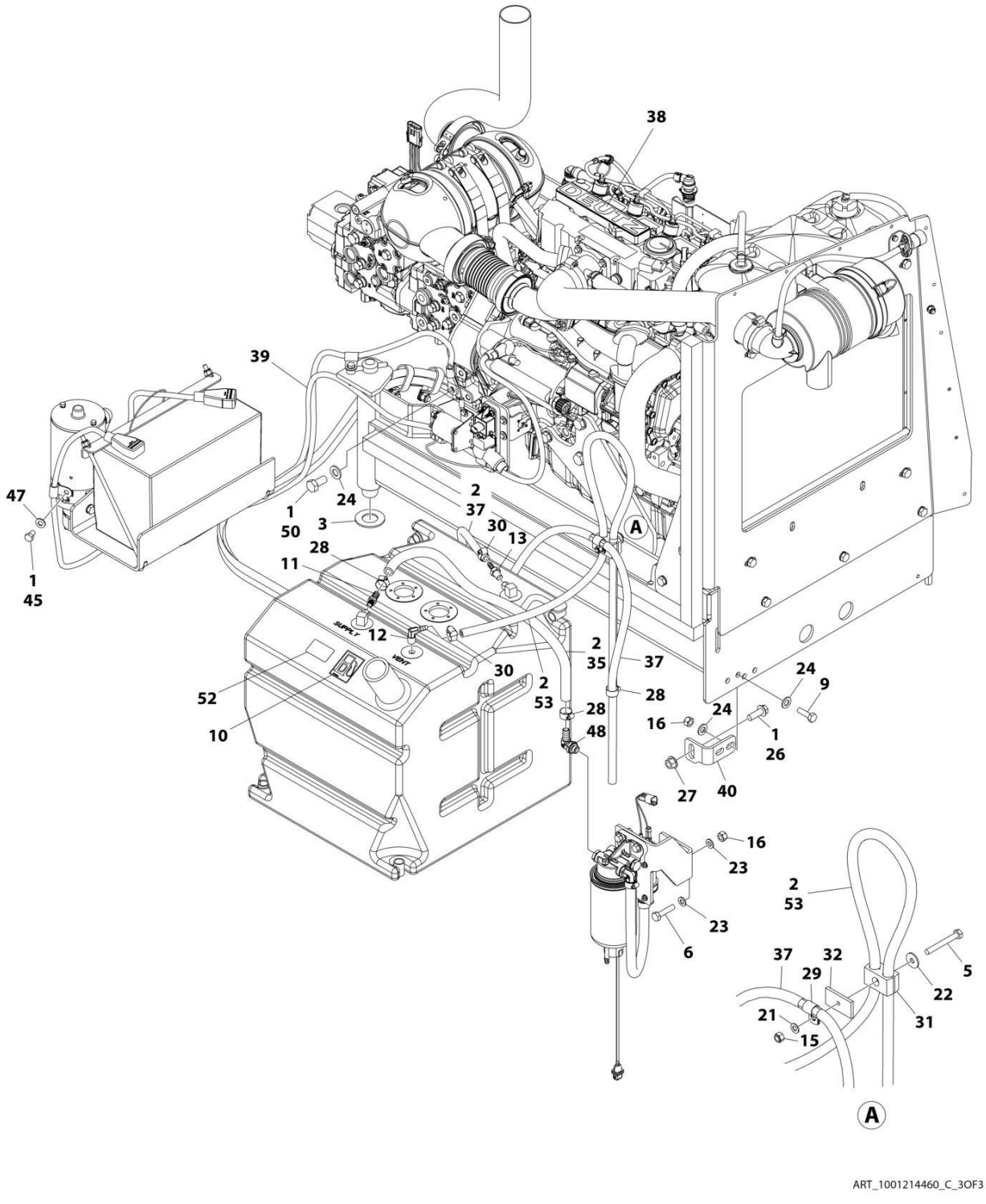
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FIGURE 3-8. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, CSA AND ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214460	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE	C
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	
15	3290805	2	Nut M8	
16	3291005	6	Nut M10	
17	3422532	1	Pin	
18	3841143	1	Pin	
19	4240099	AR	Tie-Strap (Not Shown)	
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, Flange M12 (Class 10)	
28	8405006	3	Gear Clamp	
29	8406101	1	Clip Tube	
30	8410013	4	Gear Clamp	
31	8750014	1	Clamp	
32	8750031	1	Plate	
33	1001135196	1	Pin	
35	1001154405	2.2 ft/ 0.7m	Hose	
36	1001155823	1	Coupling	
37	1001165035	21 ft/ 6.4m	Hose	
38	1001214459	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
39	1001166970	1	Cable, Batt and Aux Pump Cables 400S/460SJ	
40	1001167512	1	Bracket, Engine	
41	1001169823	1	Plate, Engine Lock	
42	1001223802	1	Pipe, Exhaust	
43	1001173342	1	Harness, Deutz Fuel (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	5240800	2	Washer M8 Hardened	
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	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	0771212	1	Bolt M12 x 25	
52	1001125387	1	Decal, Ultra Low Sulfer Fuel	
53	2750532	5.5 ft/ 1.7m	Hose	

FIGURE 3-9. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

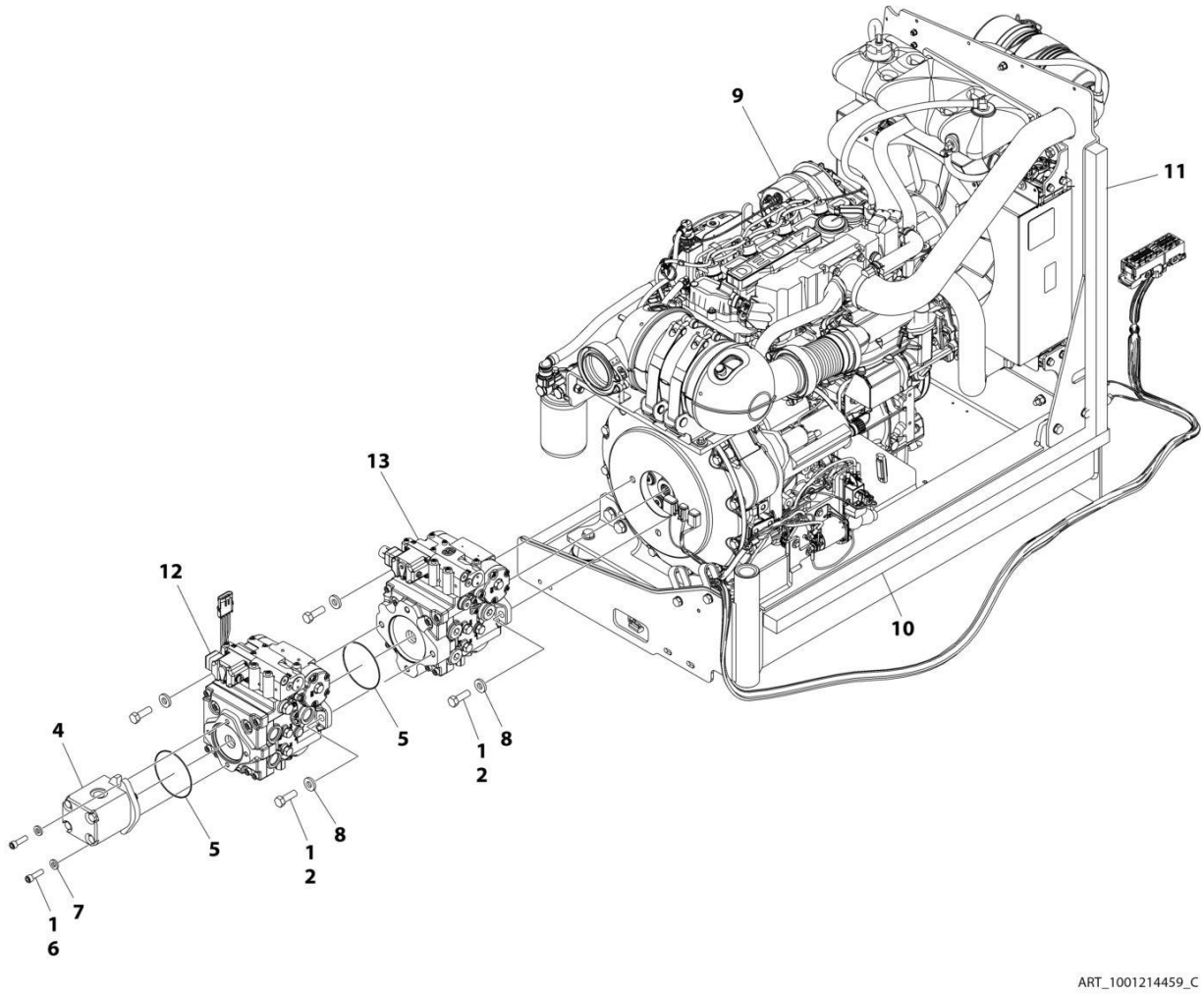
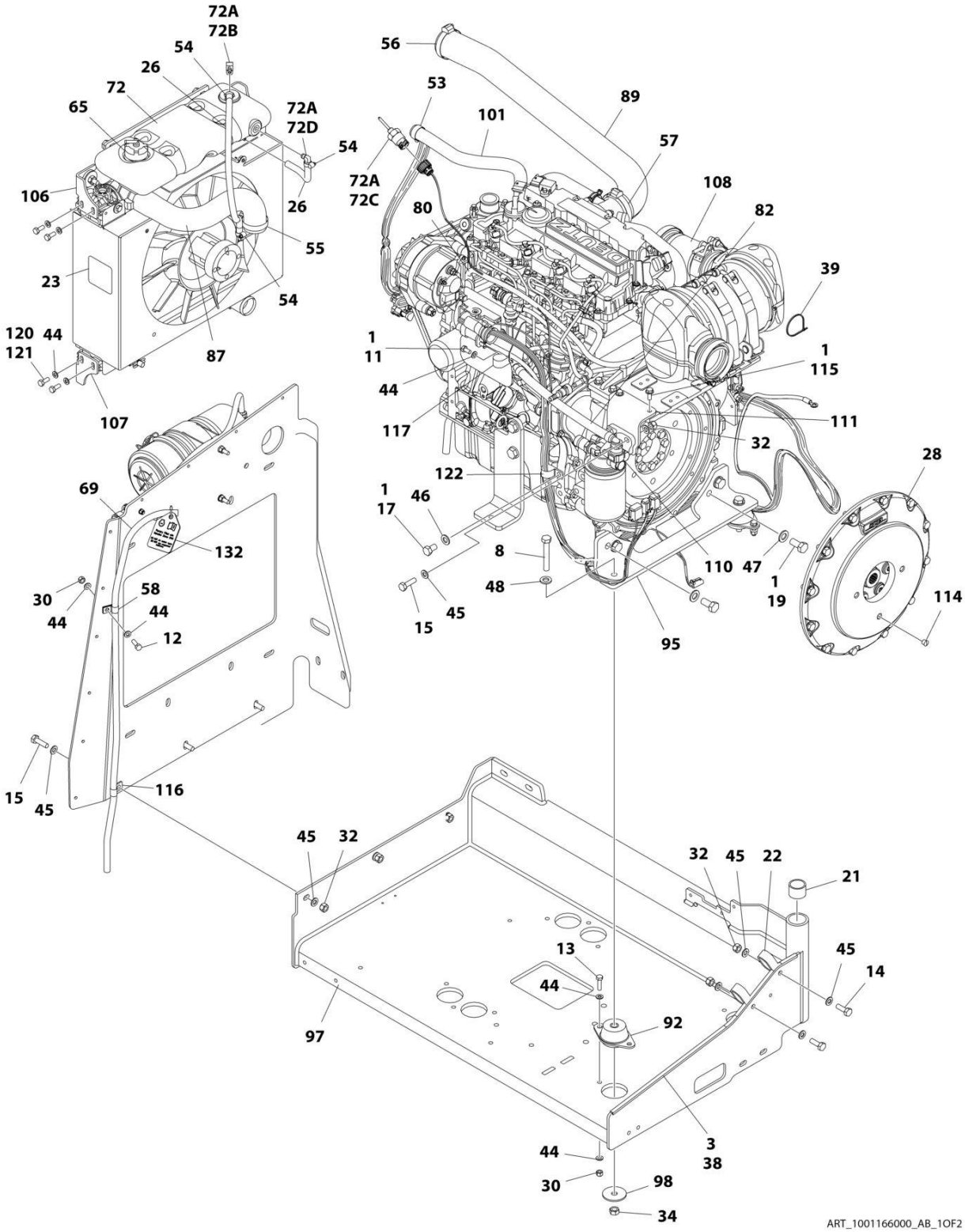


FIGURE 3-9. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214459	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE	C
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
4	3600242	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
5	3790045	2	O-Ring	
6	3931620	2	Capscrew 3/8 x 1-1/4	
7	4891600	2	Washer 3/8 Hardened	
8	4891800	4	Washer 1/2 Hardened	
9	1001166000	1	Engine Assembly - Deutz D2.9L4 Engine (See Separate Breakdown in this Section)	
10	1001171953	1	Seal	
11	1001171954	1	Seal	
12	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
13	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	

FIGURE 3-10. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)



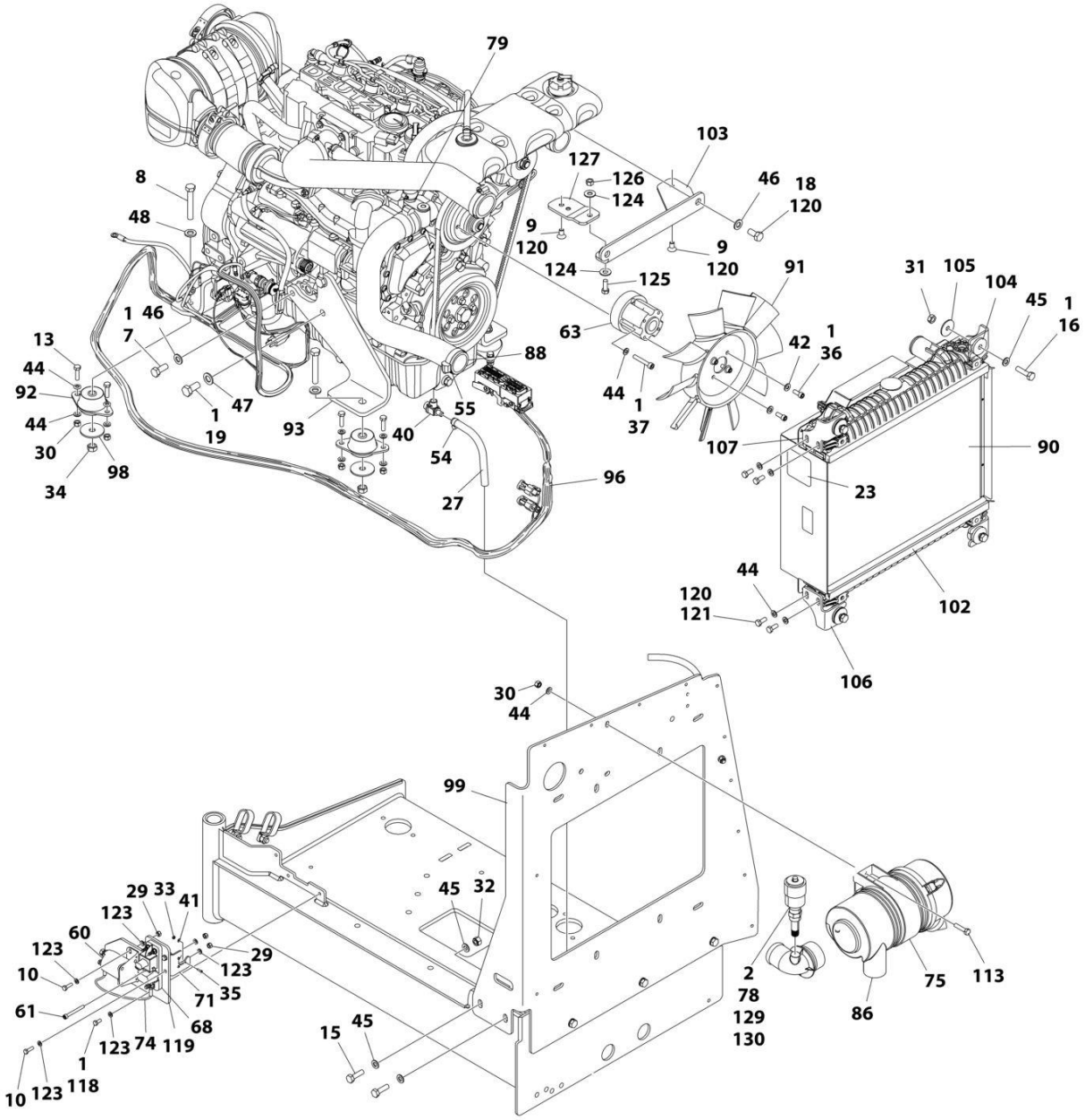


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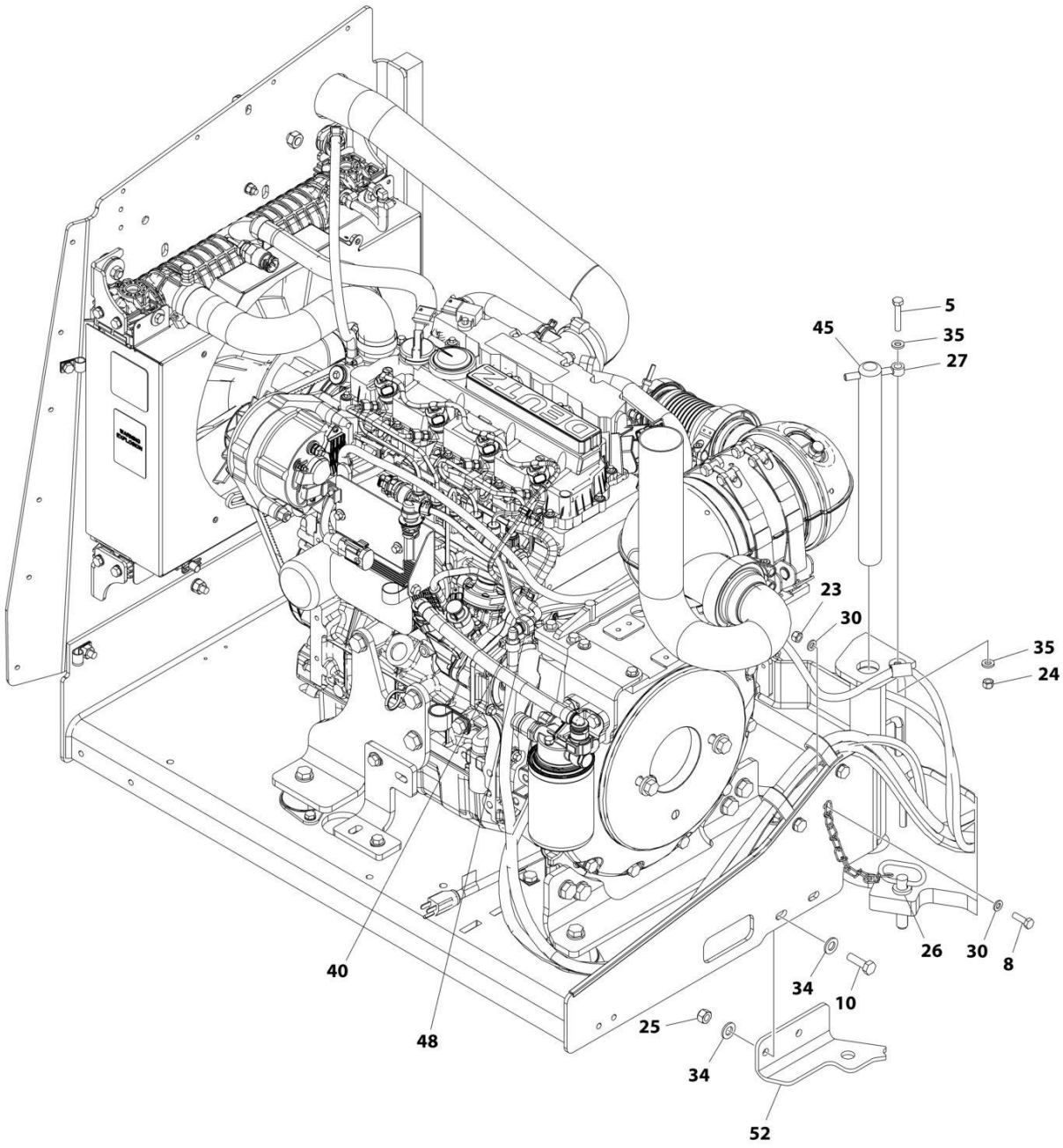
FIGURE 3-10. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

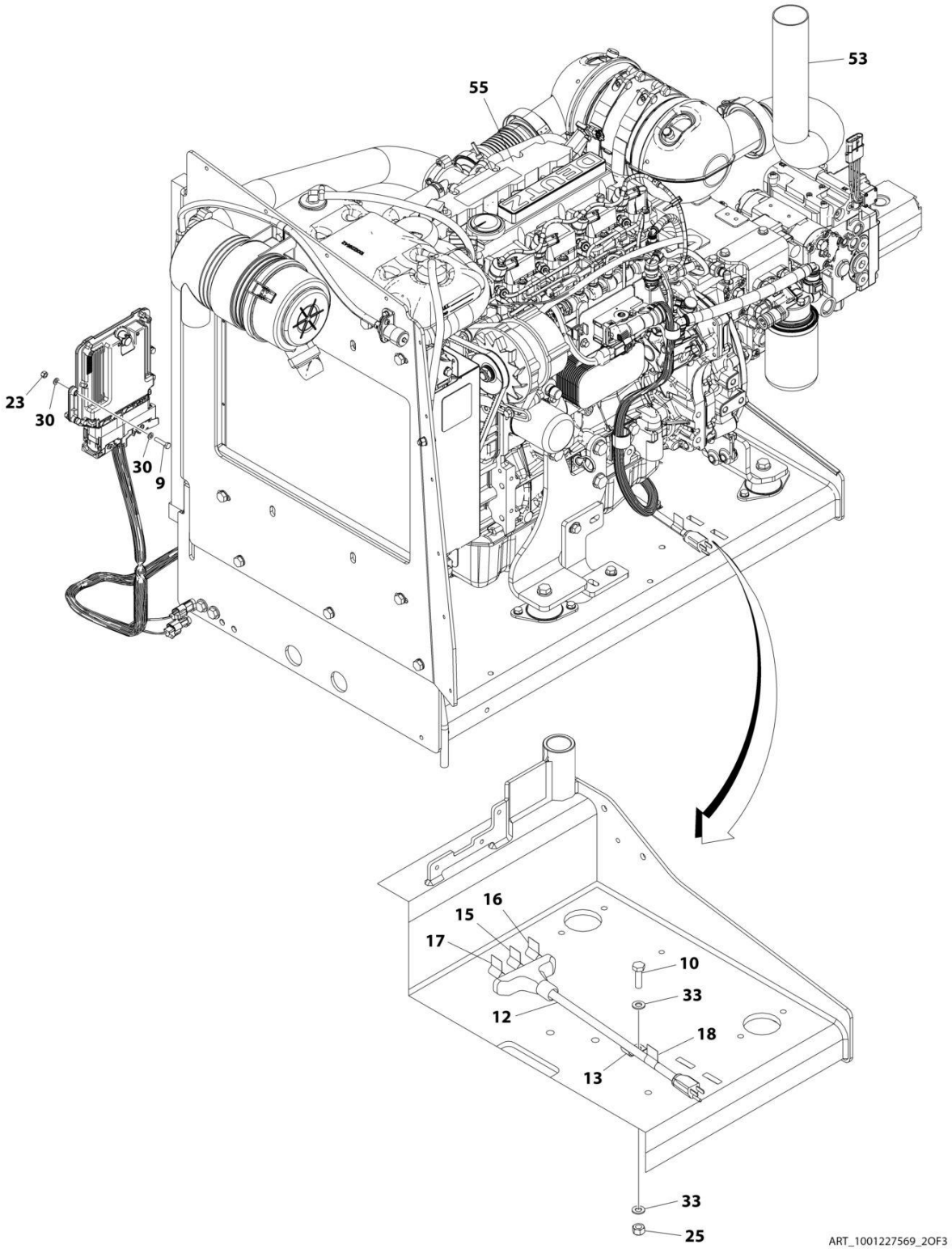
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166000	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE)	AB
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
7	0711214	1	Bolt M12 x 30 Class 10.9	
8	0711224	3	Bolt M12 x 80 Class 10.9	
9	0741606	2	Screw 3/8 x 3/4	
10	0760610	4	Bolt M6 x 20	
11	0760808	1	Bolt M8 x 16	
12	0760812	1	Bolt M8 x 25	
13	0760814	6	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	6	Bolt M14 x 30 Class 10.9	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
26	2720015	2 ft/1 m	Hose	
27	2720340	8 in/1 m	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	5	Nut M6	
30	3290805	9	Nut M8	
31	3291001	4	Nut M10	
32	3291005	9	Nut M10	
33	3310401	3	Nut #4	
34	3331215	3	Nut M12	
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	3 ft/1 m	Flex-Trim	
39	4240099	AR	Tie-Strap	
40	4640751	1	Valve, Oil Drain	
41	4710400	3	Washer #4	
42	4711500	4	Washer 5/16	
44	4811900	31	Washer M8	
45	4812000	22	Washer M10	
46	4812100	4	Washer M12	
47	4812200	6	Washer M14	
48	5241200	3	Washer M12 Hardened	
53	8405007	2	Clamp	
54	8405009	5	Clamp	
55	8405104	4	Clamp	
56	8405202	1	Clamp	
57	8405204	1	Clamp	
58	8406109	1	Clip	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	
68	1001138228	1	Relay, Power Module	
68	70023592	1	Fuse 20Amp	
68	70023593	1	Fuse 30Amp	
69	1001138248	4 ft/1 m	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	
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	3	Mount, Motor	
93	1001166921	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	3	Washer, Special	
99	1001168026	1	Plate, Radiator Mounting	
101	1001168099	1	Hose	
102	1001168166	2	Seal	
103	1001260420	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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	
124	4751600	2	Washer 3/8	
125	0681608	1	Bolt 3/8 x 1	
126	3311605	1	Nut 3/8	
127	1001260412	1	Bracket	
128	1001162335	1	Bracket Assembly - Fuel Pump/Filter (Not Shown - See Separate Breakdown in this Section)	
129	2200261	1	Fitting	
130	1001277432	1	Spacer	
131	4240032	1	Tie-Strap (Not Shown)	
132	1001291401	1	Tag, Coolant	

FIGURE 3-11. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

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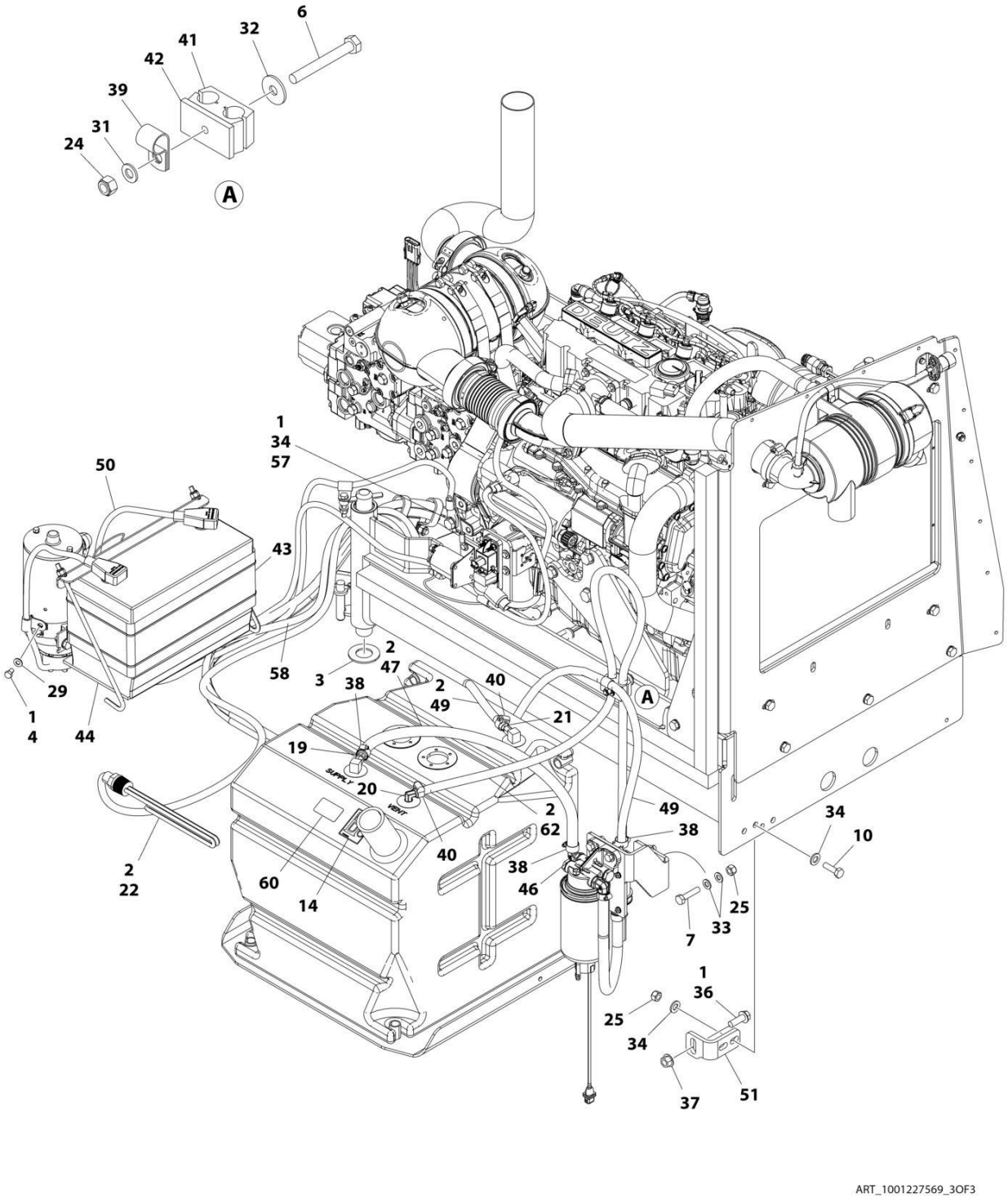

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FIGURE 3-11. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227569	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE	C
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	Clip	
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	
24	3290805	2	Nut M8	
25	3291005	7	Nut M10	
26	3422532	1	Pin	
27	3841143	1	Pin	
28	4240099	AR	Tie-Strap (Not Shown)	
29	4711500	1	Washer 5/16	
30	4811700	10	Washer M6	
31	4811900	1	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, Flange M12 (Class 10)	
38	8405006	3	Gear Clamp	
39	8406101	1	Clip Tube	
40	8410013	4	Gear Clamp	
41	8750014	1	Clamp	
42	8750031	1	Plate	
43	2580024	1	Heater, Battery	
44	1001119278	1	Insulate	
45	1001135196	1	Pin	
46	1001142501	1	Fitting, Barbed 90	
47	1001154405	2.2 ft/ 0.7m	Hose	
48	1001155823	1	Coupling, Quick Disconnect 90	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001165035	21 ft/ 6.4m	Hose	
50	1001166970	1	Cable, Batt and Aux Pump Cables	
51	1001167512	1	Bracket, Engine Tray	
52	1001169823	1	Plate, Engine Lock	
53	1001223802	1	Pipe, Exhaust	
54	1001173342	1	Harness, Deutz Fuel (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
55	1001227571	1	Engine and Pump Sub-Assembly (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 Sulfer Fuel	
62	2750532	5.5 ft/ 1.7m	Hose	
63	1001233763	1	Breather Heater Installation (Not Shown - See Separate Breakdown in this Section)	

FIGURE 3-12. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

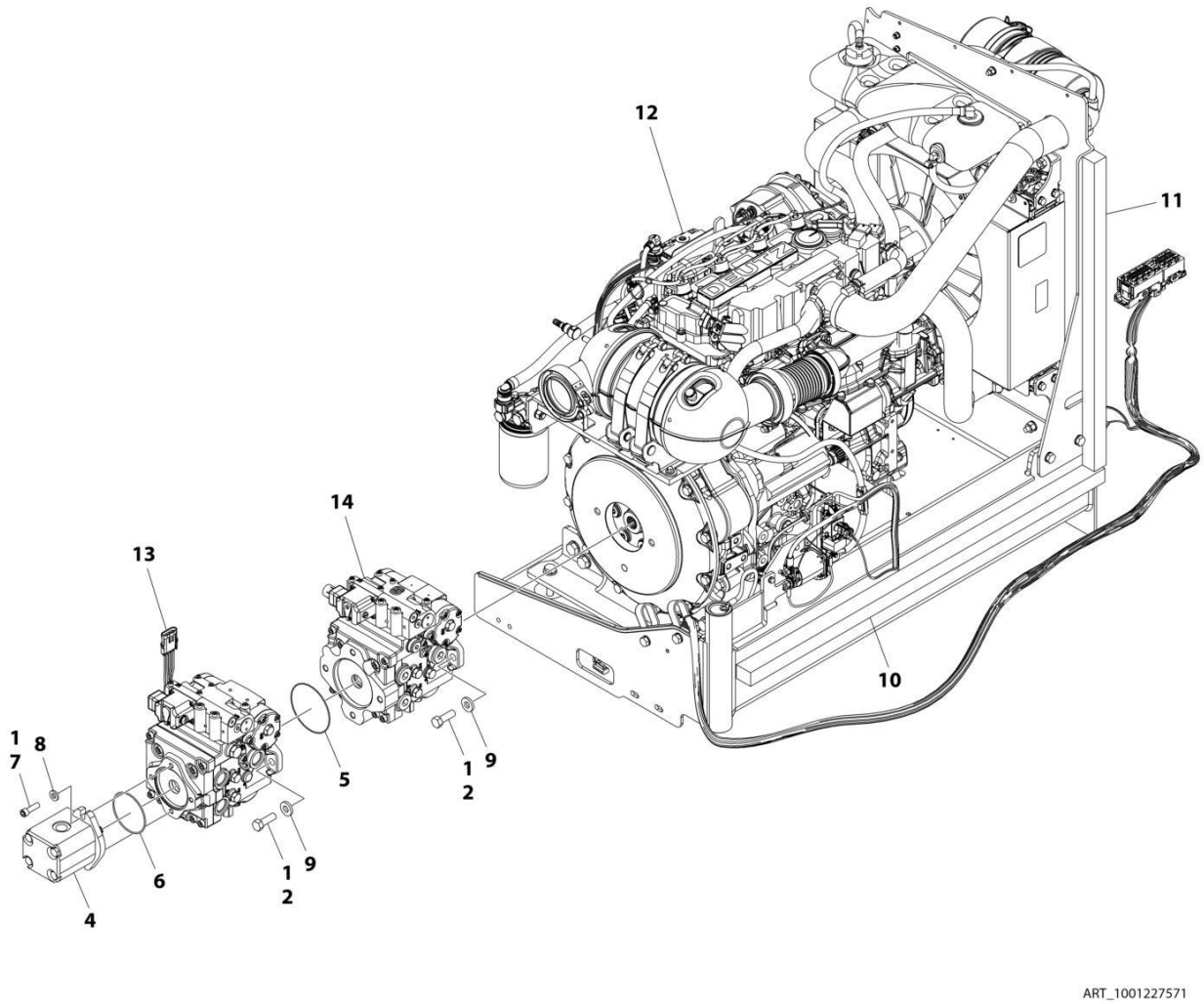
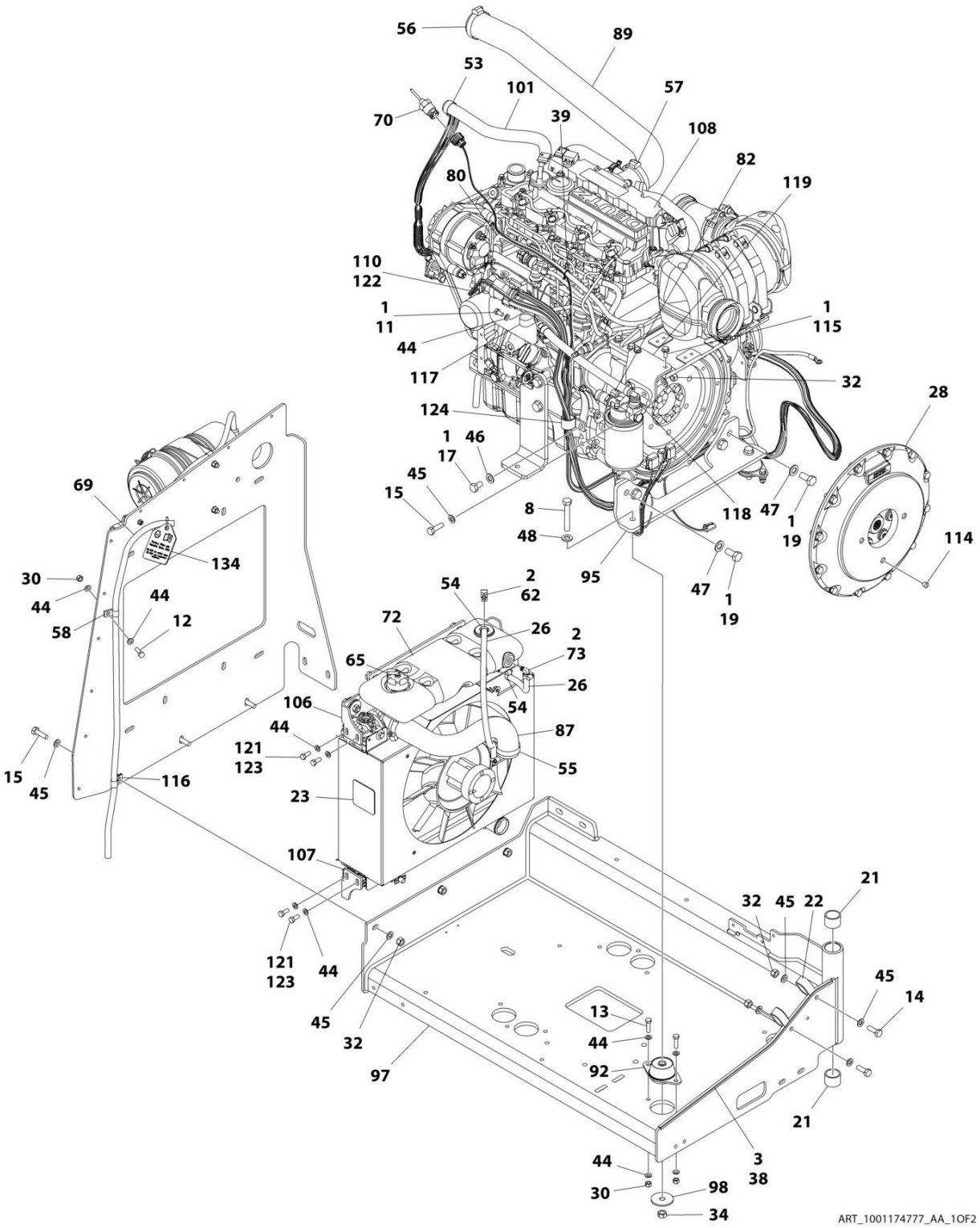


FIGURE 3-12. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227571	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE	B
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
4	3600242	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
5	3790045	1	O-Ring	
6	3790152	1	O-Ring	
7	3931620	2	Capscrew 3/8 x 1-1/4	
8	4891600	2	Washer 3/8 Hardened	
9	4891800	4	Washer 1/2 Hardened	
10	1001171953	1	Seal	
11	1001171954	1	Seal	
12	1001174777	1	Engine Assembly - Deutz D2.9L4 (See Separate Breakdown in this Section)	
13	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
14	1001189237	1	Piston Pump Assembly (Front) (See Separate in this Section)	

FIGURE 3-13. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)



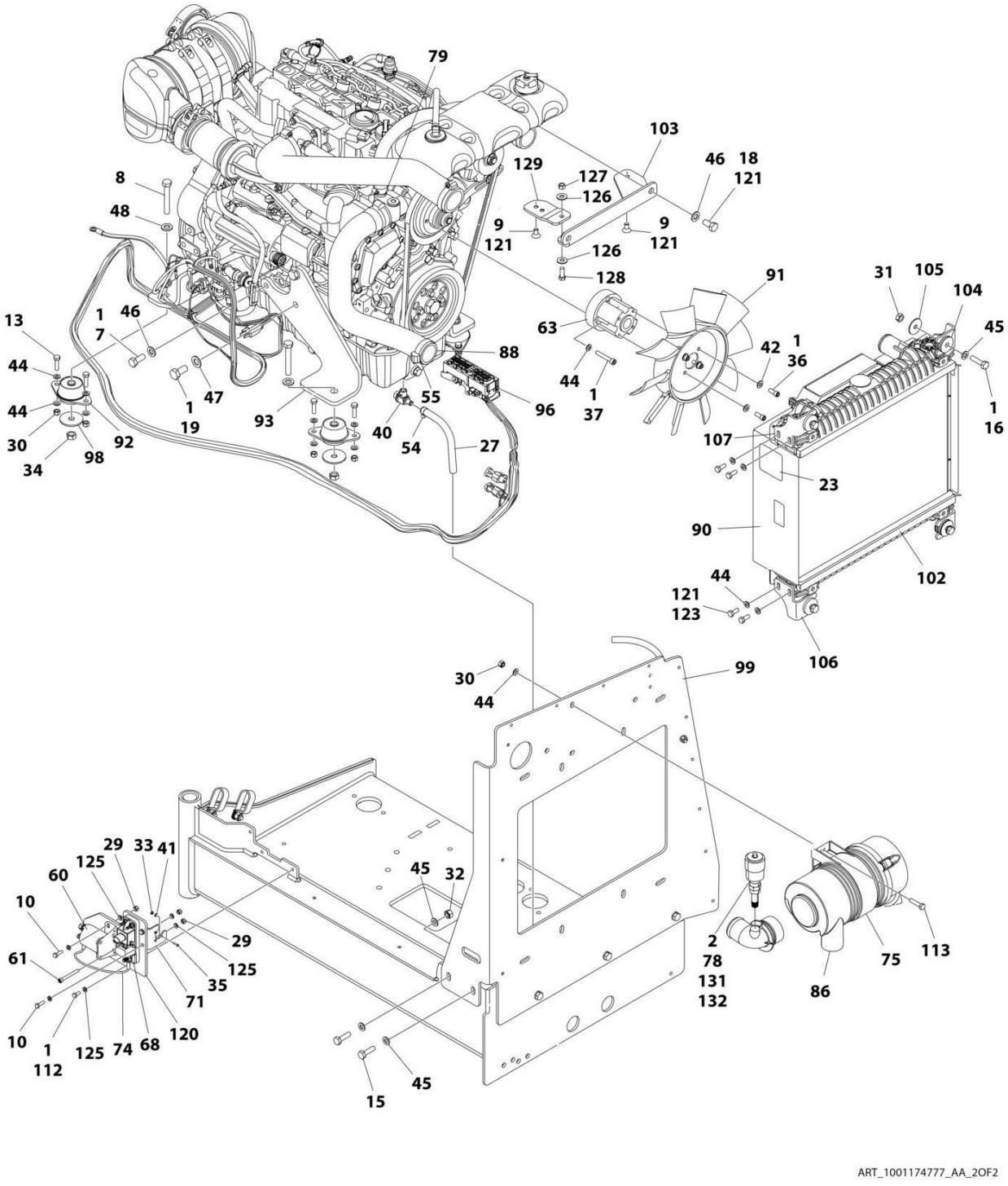


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FIGURE 3-13. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

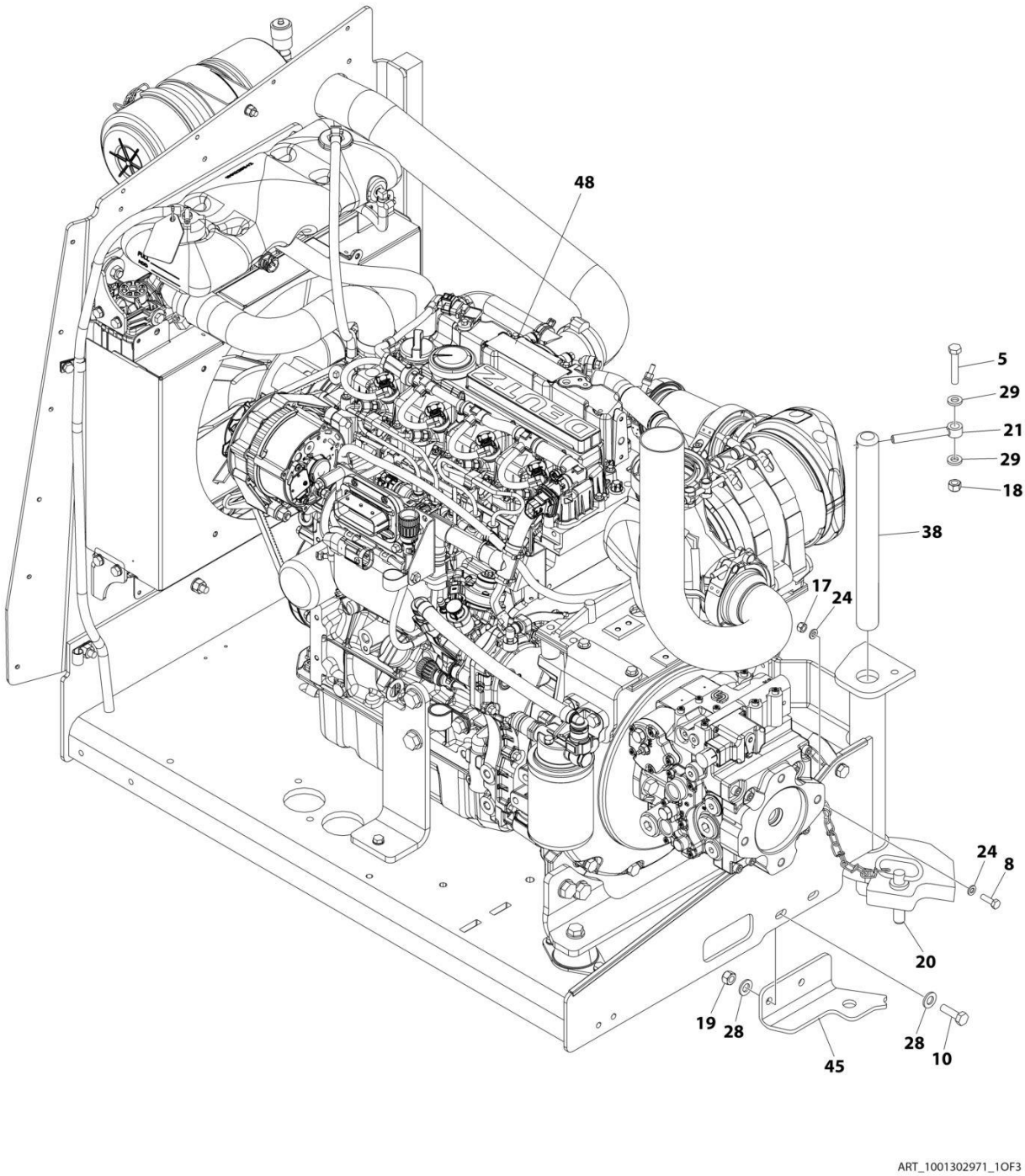
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174777	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE)	AA
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
7	0711214	1	Bolt M12 x 30 Class 10.9	
8	0711224	3	Bolt M12 x 80 Class 10.9	
9	0741606	2	Screw 3/8 x 3/4	
10	0760610	4	Bolt M6 x 20	
11	0760808	1	Bolt M8 x 16	
12	0760812	1	Bolt M8 x 25	
13	0760814	6	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	6	Bolt M14 x 30 Class 10.9	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
26	2720015	2 ft/1 m	Hose	
27	2720340	8 in /20 cm	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	5	Nut M6	
30	3290805	9	Nut M8	
31	3291001	4	Nut M10	
32	3291005	9	Nut M10	
33	3310401	3	Nut #4	
34	3331215	3	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	3 ft/1 m	Flex-Trim	
39	4240099	AR	Tie-Strap	
40	4640751	1	Valve, Oil Drain	
41	4710400	3	Washer #4	
42	4711500	4	Washer 5/16	
44	4811900	31	Washer M8	
45	4812000	22	Washer M10	
46	4812100	4	Washer M12	
47	4812200	6	Washer M14	
48	5241200	3	Washer M12	
53	8405007	2	Clamp	
54	8405009	5	Clamp	
55	8405104	4	Clamp	
56	8405202	1	Clamp	
57	8405204	1	Clamp	

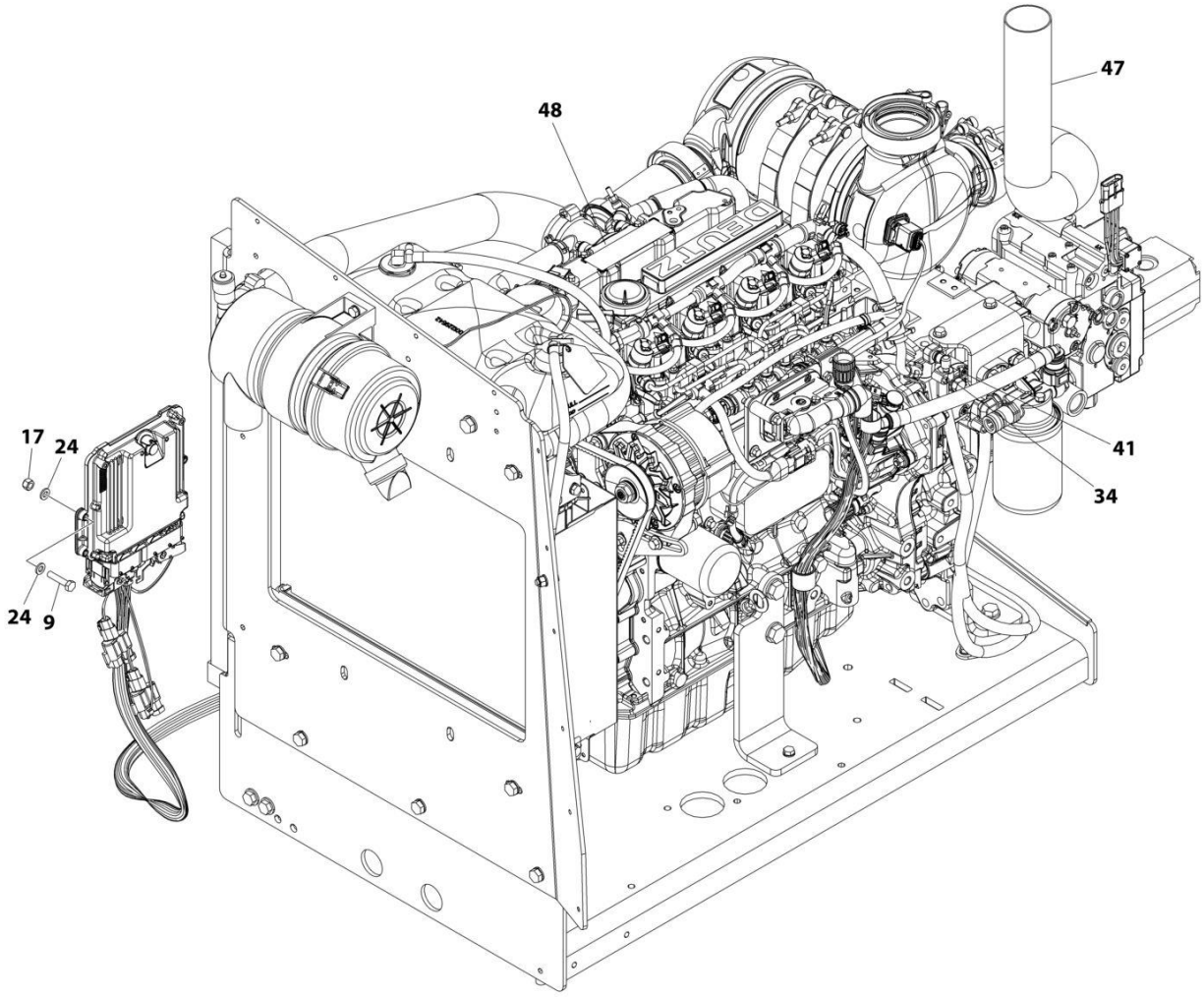
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
58	8406109	1	Clip	
60	1001117308	1	Relay, 200Amp	
60	3300220	2	Nut	
60	3321001	2	Nut #10	
60	4761000	2	Washer #10	
60	1001111424	2	Washer	
61	1001118878	1	Bolt M6 x 55	
62	1001134488	1	Fitting, Barbed 90	
63	1001144116	1	Spacer, Fan	
65	1001136834	1	Cap, Tank	
68	1001138228	1	Relay, Power Module	
68	70023592	1	Fuse 20Amp	
68	70023593	1	Fuse 30Amp	
69	1001138248	4 ft/1 m	Tube	
70	1001138827	1	Sensor, Coolant Level	
71	1001139240	1	Bracket	
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	
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	3	Mount, Motor	
93	1001166921	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	3	Washer, Special	
99	1001168026	1	Plate, Radiator Mounting	
101	1001168099	1	Hose	
102	1001168166	2	Seal	
103	1001260420	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	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	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	
126	4751600	2	Washer 3/8	
127	3311605	1	Nut 3/8	
128	0681608	1	Bolt 3/8 x 1	
129	1001260412	1	Bracket	
130	1001162335	1	Bracket Assembly - Fuel Pump/Filter (Not Shown - See Separate Breakdown in this Section)	
131	2200261	1	Fitting	
132	1001277432	1	Spacer	
133	4240032	1	Tie-Strap (Not Shown)	
134	1001291401	1	Tag, Coolant	

FIGURE 3-14. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)





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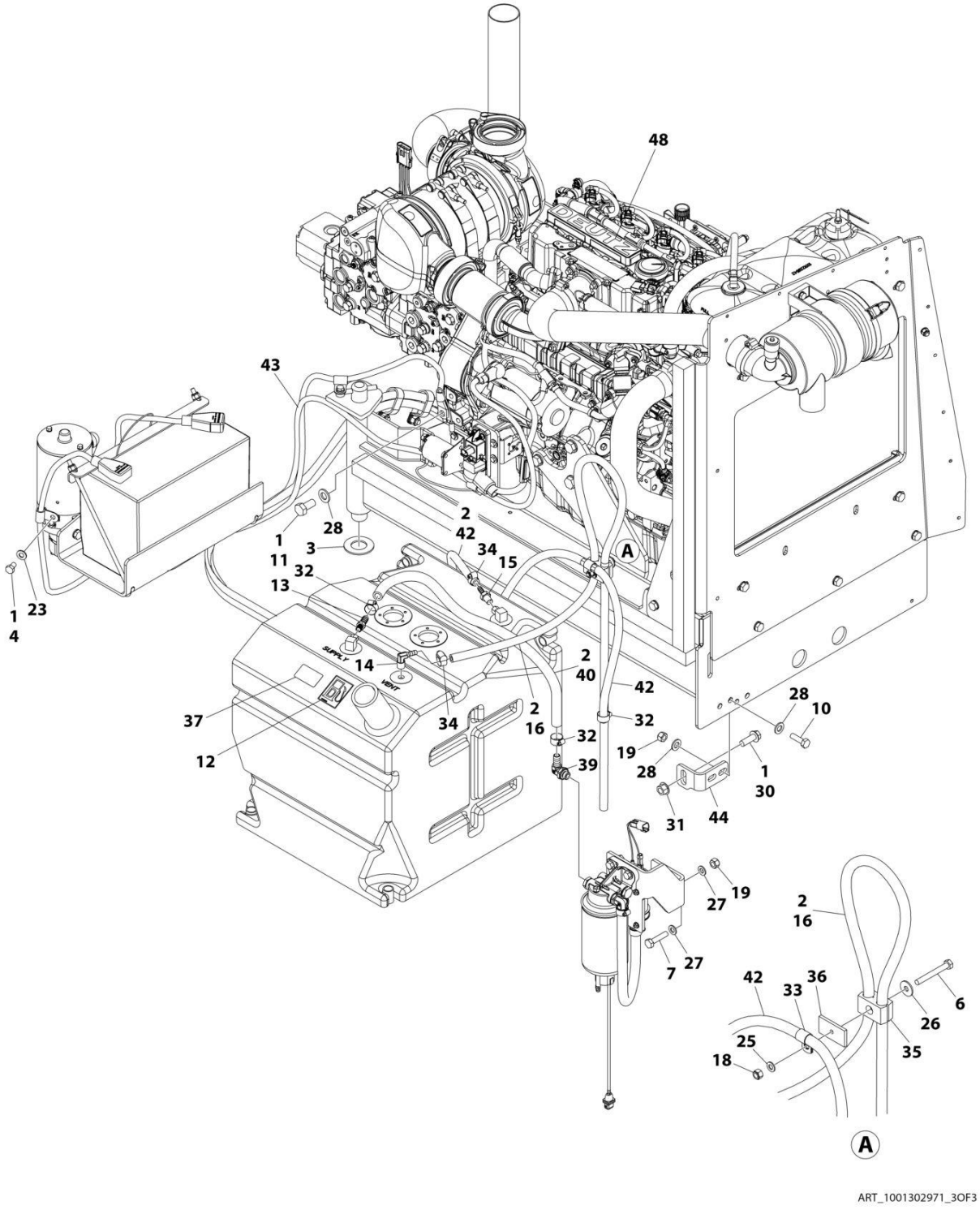
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FIGURE 3-14. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302971	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	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	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	4	Bolt M10 x 35	
11	0771212	1	Bolt M12 x 25	
12	1701505	2	Decal - Diesel	
13	2180832	1	Fitting, Barbed	
14	2220313	1	Fitting, Barbed 90	
15	2220767	1	Fitting, Barbed	
16	2750532	6 ft /2 m	Hose	
17	3290605	5	Nut M6	
18	3290805	2	Nut M8	
19	3291005	6	Nut M10	
20	3422532	1	Pin	
21	3841143	1	Keeper, Pin	
22	4240099	AR	Tie-Strap (Not Shown)	
23	4711500	1	Washer 5/16	
24	4811700	10	Washer M6	
25	4811900	1	Washer M8	
26	4811902	1	Washer M8	
27	4812000	4	Washer M10	
28	4812100	9	Washer M12	
29	5240800	2	Washer M8	
30	5251215	1	Bolt M12 x 35	
31	5261200	1	Nut M12	
32	8405006	3	Clamp	
33	8406101	1	Clip	
34	8410013	4	Clamp	
35	8750014	1	Clamp	
36	8750031	1	Plate	
37	1001125387	1	Decal - Ultra Low Sulfur Diesel	
38	1001135196	1	Pin	
39	1001142501	1	Fitting, Barbed 90	
40	1001154405	3 ft /1 m	Hose	
41	1001155823	1	Coupling, Quick Disconnect 90	
42	1001165035	21 ft /6 m	Hose	
43	1001166970	1	Cable, Battery & Aux Pump	
44	1001167512	1	Bracket	
45	1001169823	1	Plate	
46	1001173342	1	Deutz Fuel Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001223802	1	Pipe, Exhaust	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001302962	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	

FIGURE 3-15. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

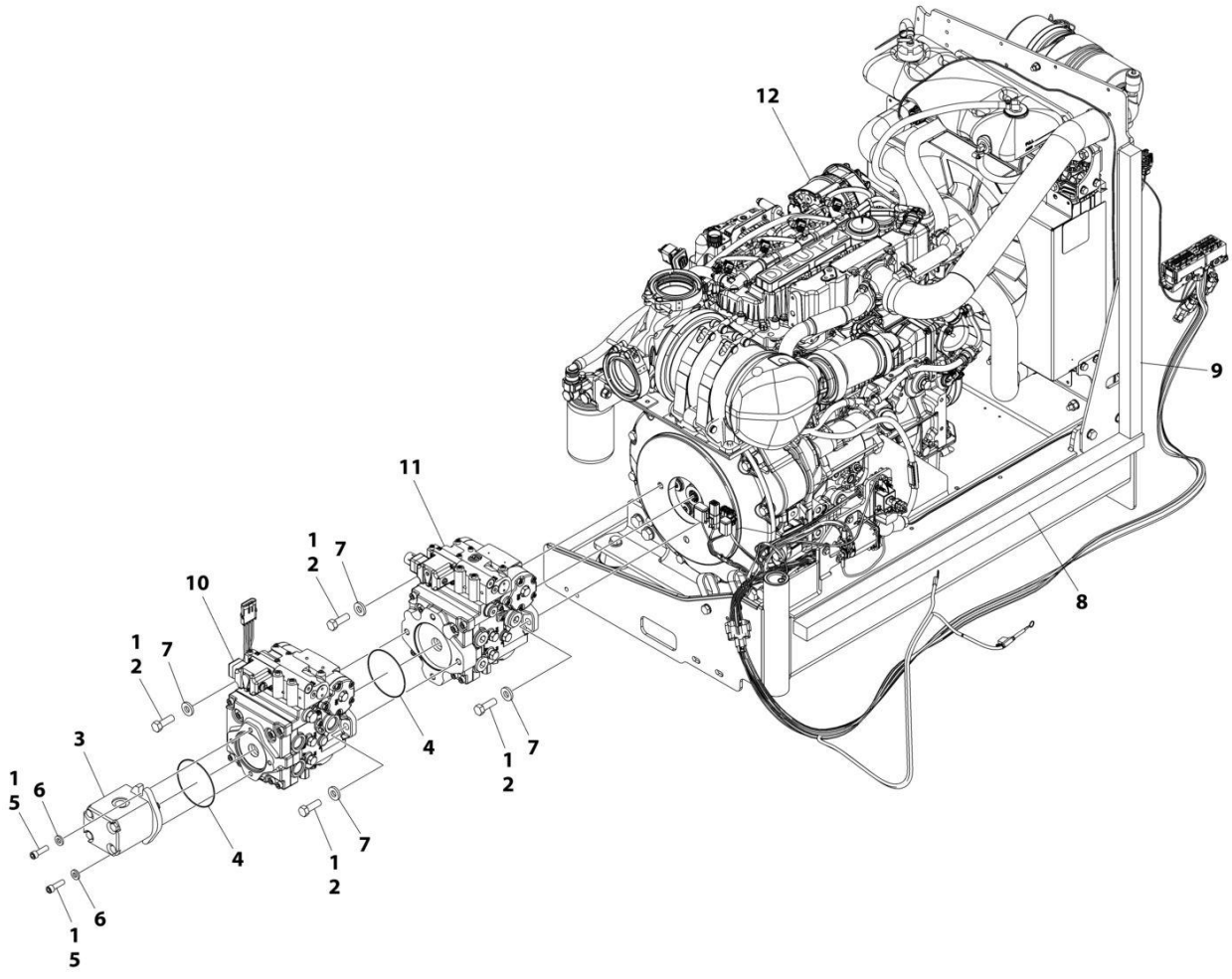
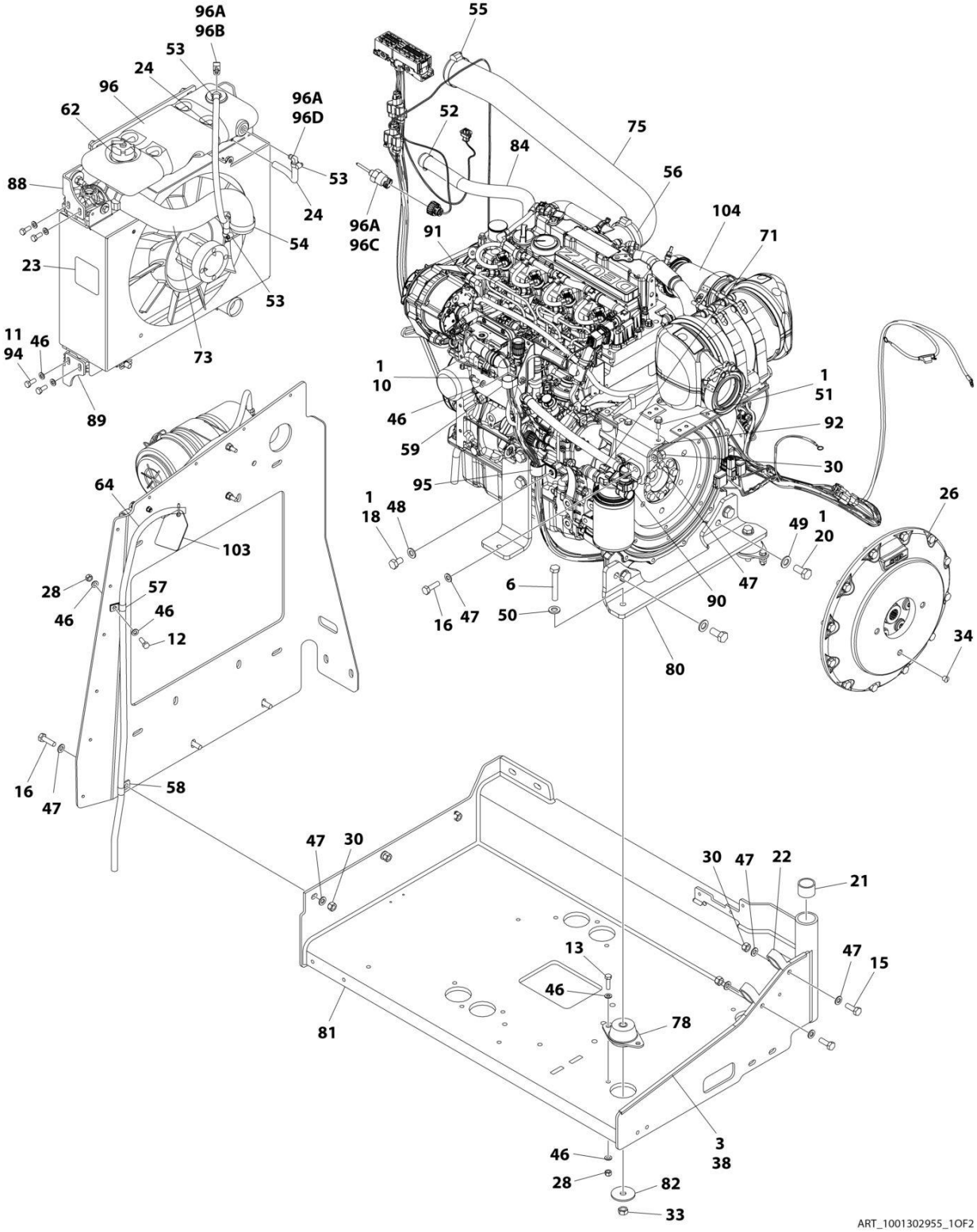


FIGURE 3-15. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302962	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
3	3600242	1	Gear Pump Assembly	
3	70006356	1	Seal Kit - 1001214207 Pump	
4	3790045	2	O-Ring	
5	3931620	2	Capscrew 3/8 x 1-1/4	
6	4891600	2	Washer 3/8	
7	4891800	4	Washer 1/2	
8	1001171953	1	Seal	
9	1001171954	1	Seal	
10	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
11	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	
12	1001302955	1	Engine Assembly - Deutz D2.9L4 ERM5 Engine (Without Arctic Package) (See Separate Breakdown in this Section)	

FIGURE 3-16. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)



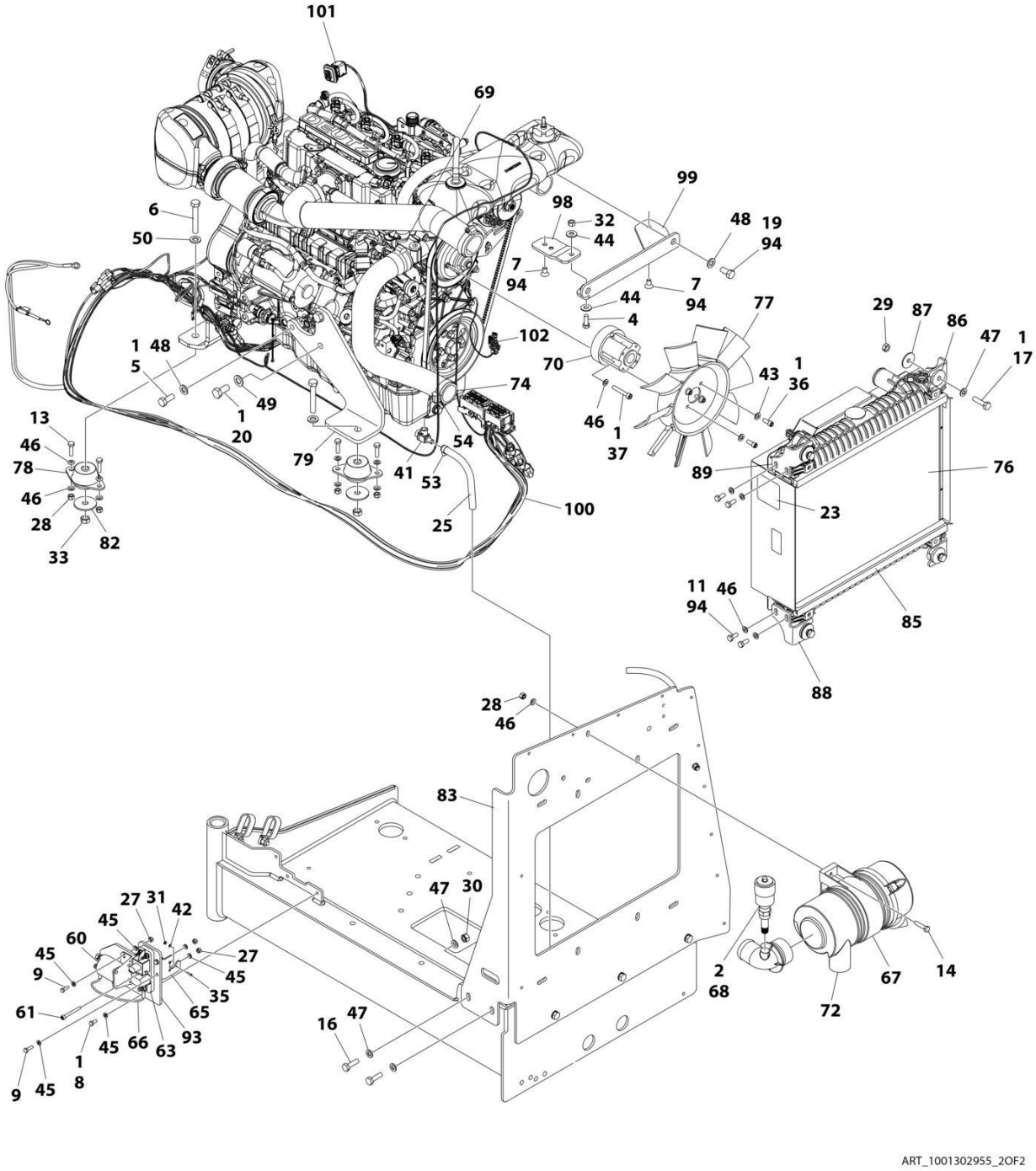


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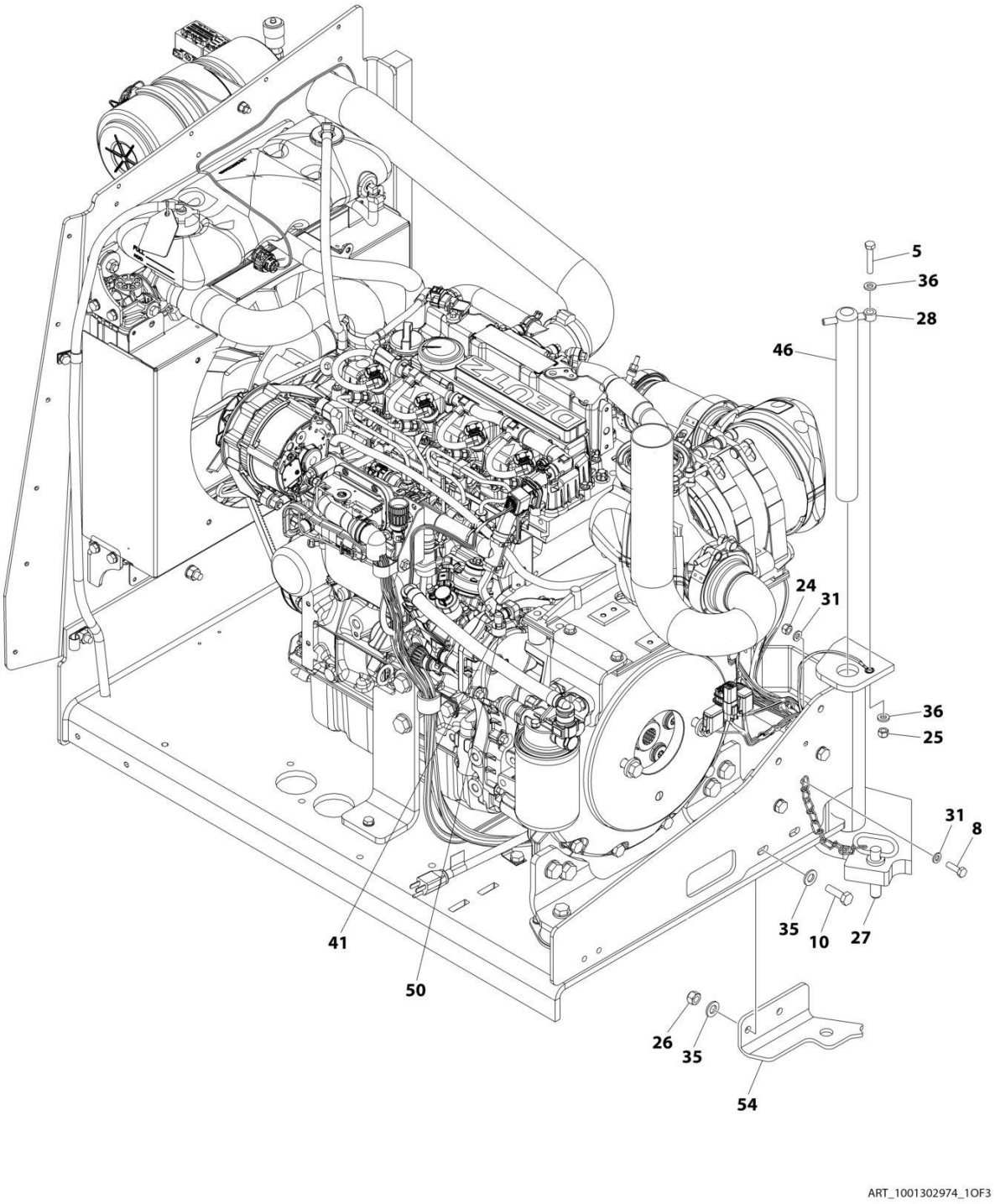
FIGURE 3-16. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

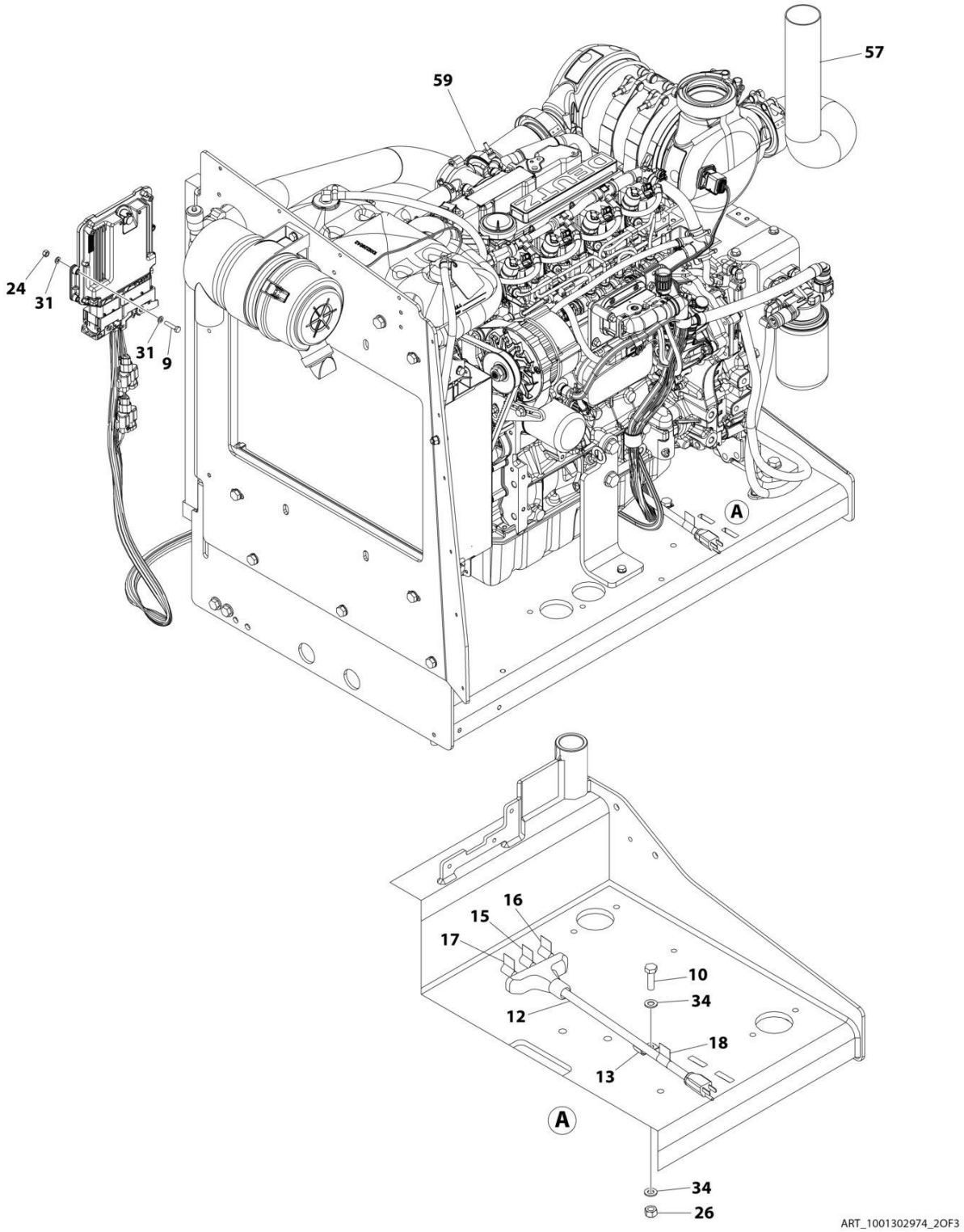
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302955	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0681608	1	Bolt 3/8 x 1	
5	0711214	1	Bolt M12 x 30	
6	0711224	3	Bolt M12 x 80	
7	0741606	2	Screw 3/8 x 3/4	
8	0760607	3	Bolt M6 x 14	
9	0760610	4	Bolt M6 x 20	
10	0760808	1	Bolt M8 x 16	
11	0760810	8	Bolt M8 x 20	
12	0760812	1	Bolt M8 x 25	
13	0760814	6	Bolt M8 x 30	
14	0760815	2	Bolt M8 x 35	
15	0761014	2	Bolt M10 x 30	
16	0761015	7	Bolt M10 x 35	
17	0761016	4	Bolt M10 x 40	
18	0761210	1	Bolt M12 x 20	
19	0761212	2	Bolt M12 x 25	
20	0771414	6	Bolt M14 x 30	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2720015	2 ft/1 m	Hose	
25	2720340	8 in/20 cm	Hose	
26	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
27	3290605	5	Nut M6	
28	3290805	9	Nut M8	
29	3291001	4	Nut M10	
30	3291005	9	Nut M10	
31	3310401	3	Nut #4	
32	3311605	1	Nut 3/8	
33	3331215	3	Nut M12	
34	3520054	1	Plug	
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 ft/1 m	Flex-Trim	
39	4240032	AR	Tie-Strap (Not Shown)	
40	4240099	AR	Tie-Strap (Not Shown)	
41	4640751	1	Valve, Oil Drain	
42	4710400	3	Washer #4	
43	4711500	4	Washer 5/16	
44	4751600	2	Washer 3/8	
45	4811702	12	Washer M6	
46	4811900	31	Washer M8	
47	4812000	22	Washer M10	
48	4812100	4	Washer M12	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	4812200	6	Washer M14	
50	5241200	3	Washer M12	
51	5250810	2	Bolt M8 x 20	
52	8405007	2	Clamp	
53	8405009	5	Clamp	
54	8405104	4	Clamp	
55	8405202	1	Clamp	
56	8405204	1	Clamp	
57	8406109	1	Clip	
58	8406110	1	Clip	
59	8406201	1	Clip	
60	1001117308	1	Relay, 200Amp	
60	3300220	2	Nut	
60	3321001	2	Nut #10	
60	4761000	2	Washer #10	
60	100111424	2	Washer	
61	1001118878	1	Bolt M6 x 55	
62	1001136834	1	Cap, Tank	
63	1001138228	1	Relay, Power Module	
63	70023592	1	Fuse 20AMP	
63	70023593	1	Fuse 30AMP	
64	1001138248	4 ft/1 m	Hose	
65	1001139240	1	Bracket	
66	1001141304	1	Harness, Glow Fuse	
67	1001141694	1	Clamp	
68	1001143390	1	Indicator	
69	1001143797	1	Fitting, Pipe Straight	
70	1001144116	1	Spacer, Fan	
71	1001152489	1	Fitting, Pipe 90	
72	1001165388	1	Filter, Air Cleaner	
73	1001165405	1	Hose	
74	1001165406	1	Hose	
75	1001165721	1	Hose	
76	1001165722	1	Radiator	
77	1001165849	1	Fan	
78	1001166718	3	Isolator	
79	1001166921	1	Plate	
80	1001166924	1	Plate	
81	1001167520	1	Support	
82	1001168018	3	Washer, Special	
83	1001168026	1	Plate	
84	1001168099	1	Hose	
85	1001168166	2	Seal	
86	1001169054	4	Isolator, Radiator	
87	1001169138	4	Pad	
88	1001169967	2	Bracket	
89	1001170035	2	Bracket	
90	1001177359	1	Hose	
91	1001178788	1	Cable, Alternator	
92	1001178876	1	Mount	
93	1001179903	1	Bracket	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
94	1001180620	AR	Adhesive	
95	1001191620	1	Clamp	
96	1001230635	1	Tank, Surge Assembly (Includes Items 96A-96D)	
96A	0100020	AR	Sealant, Pipe	
96B	1001134488	1	Fitting, Barbed	
96C	1001138827	1	Sensor, Coolant Level	
96D	1001140564	1	Fitting, Barbed 90	
97	1001235949	1	Bracket Assembly Fuel Pump/Filter (Not Shown - See Separate Breakdown in this Section)	
98	1001260412	1	Bracket	
99	1001260420	1	Bracket	
100	1001276643	1	Engine Harness (See Separate Breakdown in ELECTRICAL Section)	
101	1001281985	1	Connector	
102	1001281986	1	Connector	
103	1001291401	1	Tag, Coolant	
104	1001302954	1	Engine, Deutz D2.9L4 ERM5 (See Separate Breakdown in this Section)	

FIGURE 3-17. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

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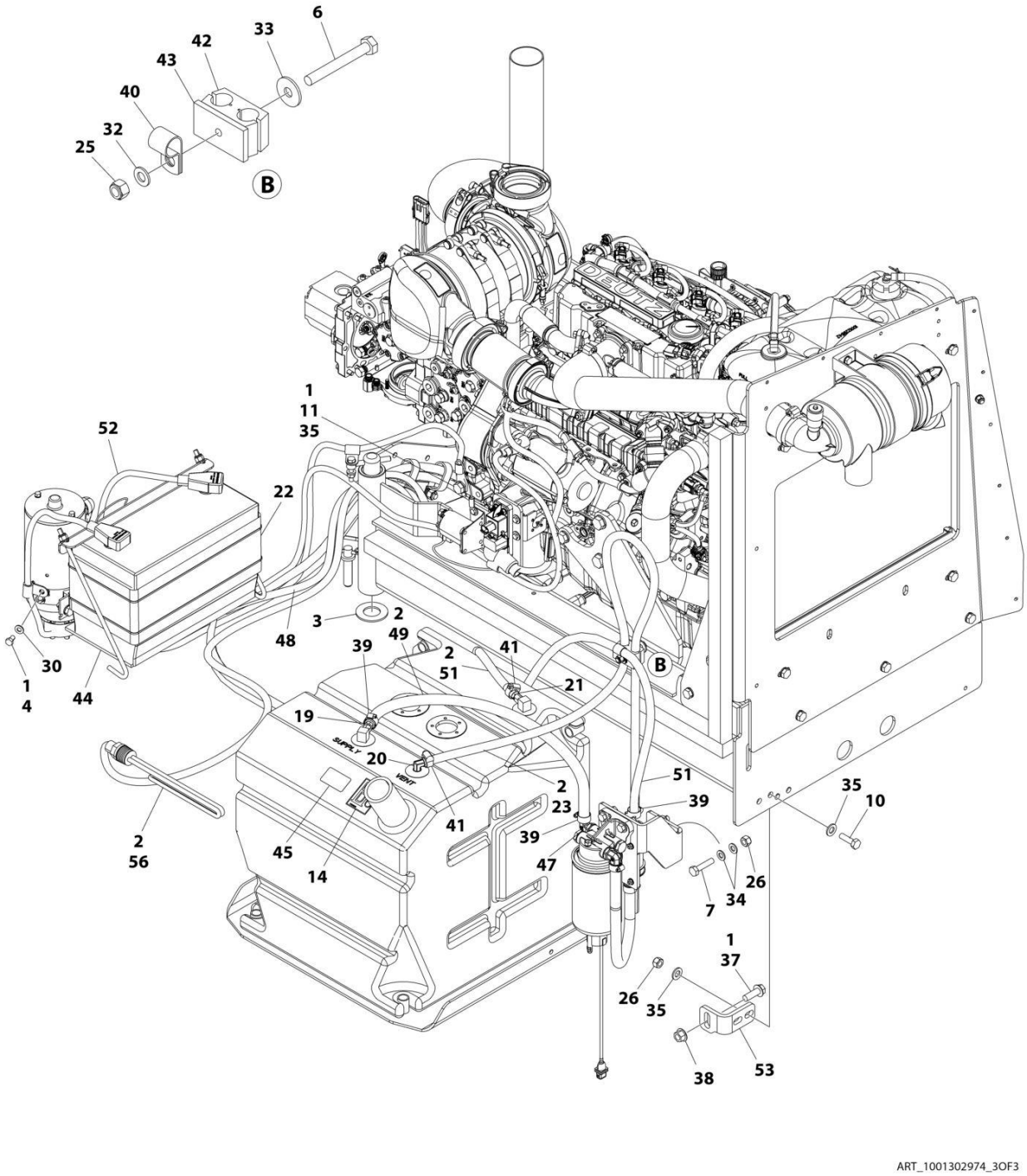
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FIGURE 3-17. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302974	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	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	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	
11	0771212	1	Bolt M12 x 25	
12	1060626	1	Cord, 3-Way Extension	
13	1320223	1	Clamp	
14	1701505	2	Decal - Diesel	
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	2580024	1	Heater, Battery	
23	2750532	6 ft /2 m	Hose	
24	3290605	5	Nut M6	
25	3290805	2	Nut M8	
26	3291005	7	Nut M10	
27	3422532	1	Pin	
28	3841143	1	Keeper, Pin	
29	4240099	AR	Tie-Strap (Not Shown)	
30	4711500	1	Washer 5/16	
31	4811700	10	Washer M6	
32	4811900	1	Washer M8	
33	4811902	1	Washer M8	
34	4812000	6	Washer M10	
35	4812100	9	Washer M12	
36	5240800	2	Washer M8	
37	5251215	1	Bolt M12 x 35	
38	5261200	1	Nut M12	
39	8405006	3	Clamp	
40	8406101	1	Clip	
41	8410013	4	Clamp	
42	8750014	1	Clamp	
43	8750031	1	Plate	
44	1001119278	1	Insulate, Battery	
45	1001125387	1	Decal - Ultra Low Sulfur Diesel	
46	1001135196	1	Pin	
47	1001142501	1	Fitting, Barbed 90	
48	1001150918	1	Cable, Extension Cord	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001154405	3 ft /1 m	Hose	
50	1001155823	1	Coupling, Quick Disconnect 90	
51	1001165035	21 ft /6 m	Hose	
52	1001166970	1	Cable, Battery & Aux Pump	
53	1001167512	1	Bracket	
54	1001169823	1	Plate	
55	1001173342	1	Deutz Fuel Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
56	1001188972	1	Immersion Heater	
57	1001223802	1	Pipe, Exhaust	
58	1001233763	1	Breather Heater Installation (Not Shown - See Separate Breakdown in this Section)	
59	1001302964	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	

FIGURE 3-18. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

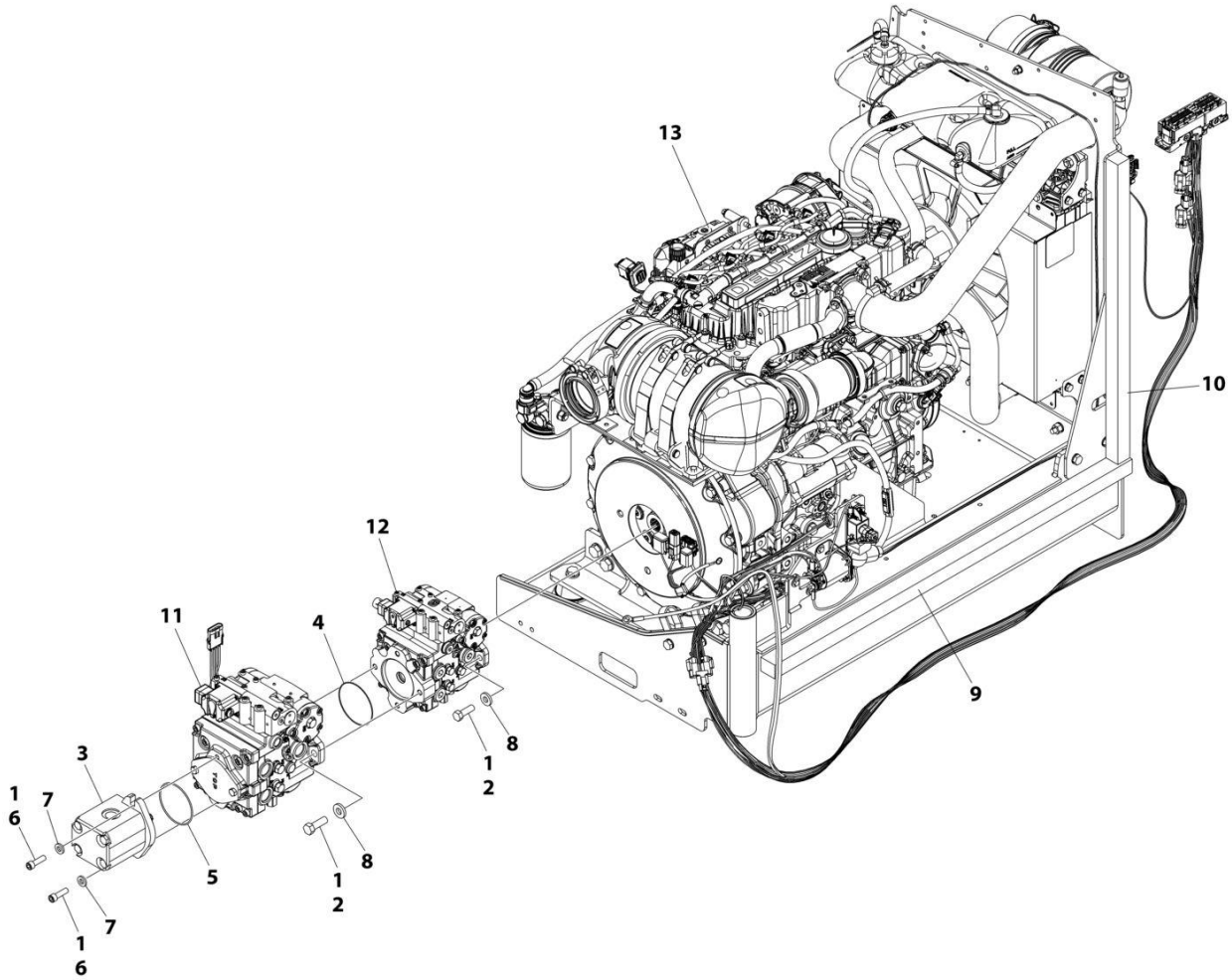
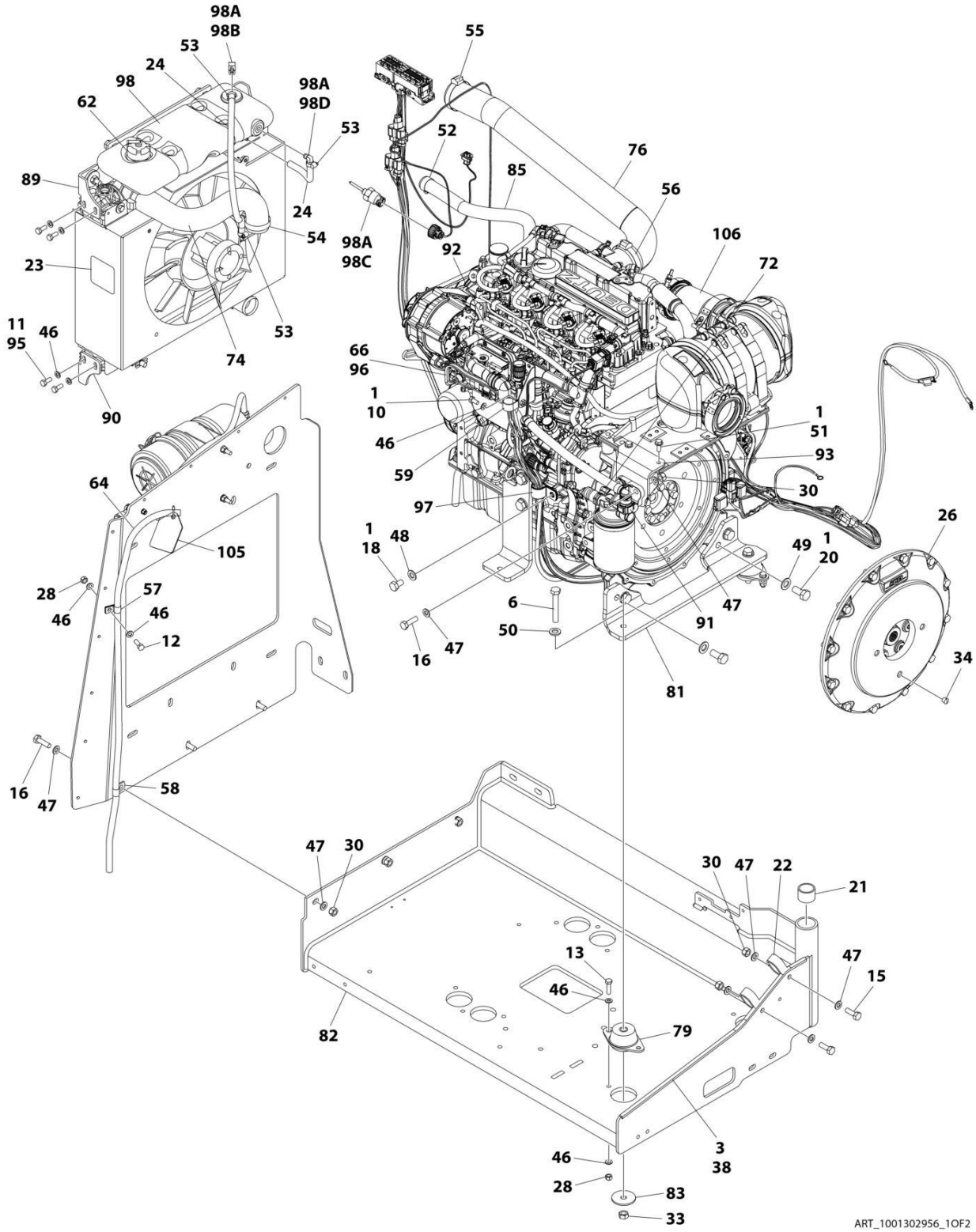


FIGURE 3-18. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302964	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
3	3600242	1	Gear Pump Assembly	
3	70006356	1	Seal Kit - 1001214207 Pump	
4	3790045	1	O-Ring	
5	3790152	1	O-Ring	
6	3931620	2	Capscrew 3/8 x 1-1/4	
7	4891600	2	Washer 3/8	
8	4891800	4	Washer 1/2	
9	1001171953	1	Seal	
10	1001171954	1	Seal	
11	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
12	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	
13	1001302956	1	Engine Assembly - Deutz D2.9L4 ERM5 Engine (Without Arctic Package) (See Separate Breakdown in this Section)	

SECTION 3 - ENGINE

FIGURE 3-19. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS)



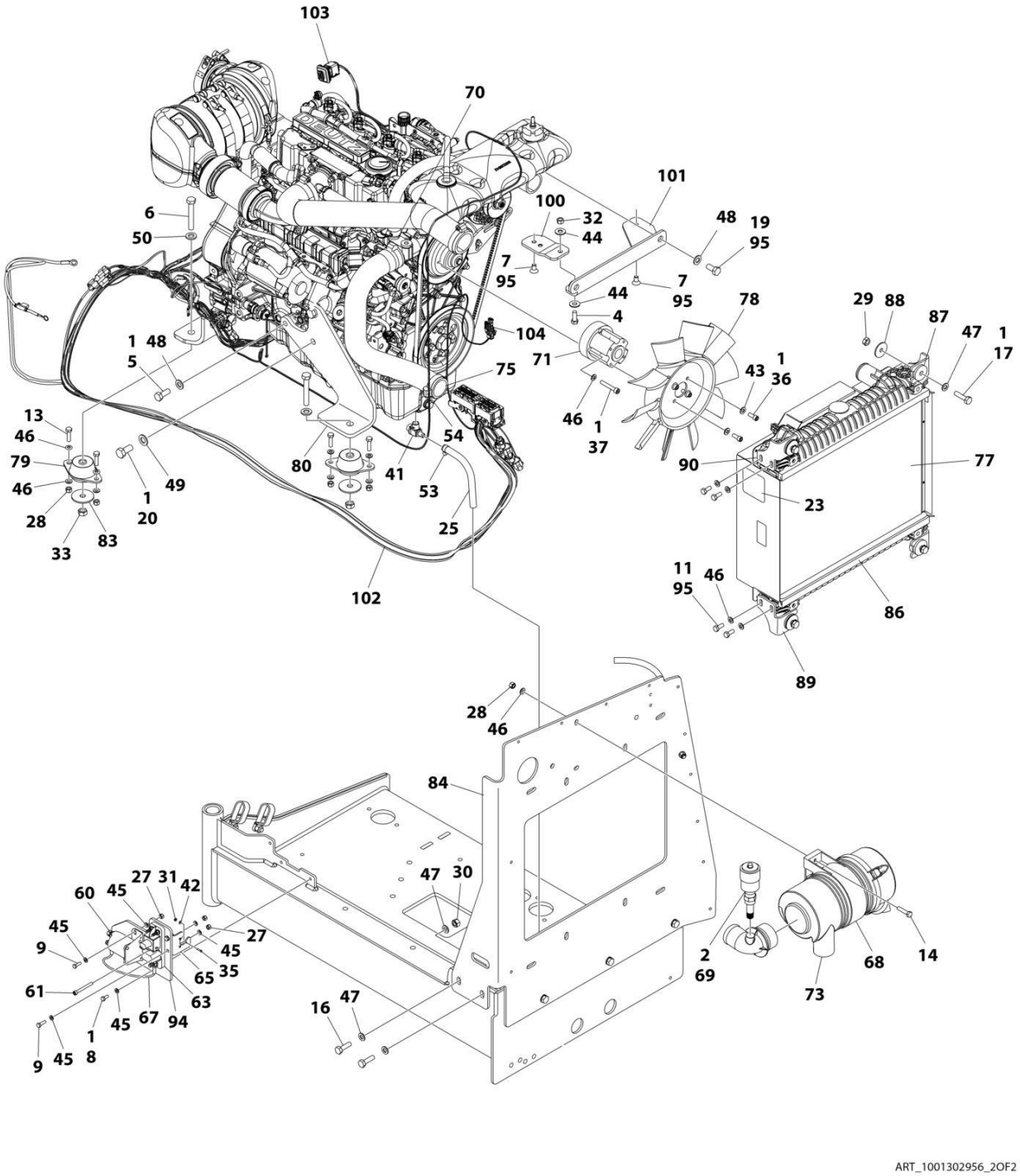

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FIGURE 3-19. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302956	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0681608	1	Bolt 3/8 x 1	
5	0711214	1	Bolt M12 x 30	
6	0711224	3	Bolt M12 x 80	
7	0741606	2	Screw 3/8 x 3/4	
8	0760607	3	Bolt M6 x 14	
9	0760610	4	Bolt M6 x 20	
10	0760808	1	Bolt M8 x 16	
11	0760810	8	Bolt M8 x 20	
12	0760812	1	Bolt M8 x 25	
13	0760814	6	Bolt M8 x 30	
14	0760815	2	Bolt M8 x 35	
15	0761014	2	Bolt M10 x 30	
16	0761015	7	Bolt M10 x 35	
17	0761016	4	Bolt M10 x 40	
18	0761210	1	Bolt M12 x 20	
19	0761212	2	Bolt M12 x 25	
20	0771414	6	Bolt M14 x 30	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2720015	2 ft/1 m	Hose	
25	2720340	8 in/20 cm	Hose	
26	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
27	3290605	5	Nut M6	
28	3290805	9	Nut M8	
29	3291001	4	Nut M10	
30	3291005	9	Nut M10	
31	3310401	3	Nut #4	
32	3311605	1	Nut 3/8	
33	3331215	3	Nut M12	
34	3520054	1	Plug	
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	3 ft/1 m	Flex-Trim	
39	4240032	AR	Tie-Strap (Not Shown)	
40	4240099	AR	Tie-Strap (Not Shown)	
41	4640751	1	Valve, Oil Drain	
42	4710400	3	Washer #4	
43	4711500	4	Washer 5/16	
44	4751600	2	Washer 3/8	
45	4811702	12	Washer M6	
46	4811900	31	Washer M8	
47	4812000	22	Washer M10	
48	4812100	4	Washer M12	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	4812200	6	Washer M14	
50	5241200	3	Washer M12	
51	5250810	2	Bolt M8 x 20	
52	8405007	2	Clamp	
53	8405009	5	Clamp	
54	8405104	4	Clamp	
55	8405202	1	Clamp	
56	8405204	1	Clamp	
57	8406109	1	Clip	
58	8406110	1	Clip	
59	8406201	1	Clip	
60	1001117308	1	Relay, 200Amp	
60	3300220	2	Nut	
60	3321001	2	Nut #10	
60	4761000	2	Washer #10	
60	100111424	2	Washer	
61	1001118878	1	Bolt M6 x 55	
62	1001136834	1	Cap, Tank	
63	1001138228	1	Relay, Power Module	
63	70023592	1	Fuse 20AMP	
63	70023593	1	Fuse 30AMP	
64	1001138248	4 ft/1 m	Hose	
65	1001139240	1	Bracket	
66	1001140312	1	Heater, Engine Block	
67	1001141304	1	Wire, Glow Fuse	
68	1001141694	1	Clamp	
69	1001143390	1	Indicator	
70	1001143797	1	Fitting, Pipe Straight	
71	1001144116	1	Spacer, Fan	
72	1001152489	1	Fitting, Pipe 90	
73	1001165388	1	Filter, Air Cleaner	
74	1001165405	1	Hose	
75	1001165406	1	Hose	
76	1001165721	1	Hose	
77	1001165722	1	Radiator	
78	1001165849	1	Fan	
79	1001166718	3	Isolator	
80	1001166921	1	Plate	
81	1001166924	1	Plate	
82	1001167520	1	Support	
83	1001168018	3	Washer, Special	
84	1001168026	1	Plate	
85	1001168099	1	Hose	
86	1001168166	2	Seal	
87	1001169054	4	Isolator, Radiator	
88	1001169138	4	Pad	
89	1001169967	2	Bracket	
90	1001170035	2	Bracket	
91	1001177359	1	Hose	
92	1001178788	1	Cable, Alternator	
93	1001178876	1	Mount	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
94	1001179903	1	Bracket	
95	1001180620	AR	Adhesive	
96	1001181895	AR	Adhesive	
97	1001191620	1	Clamp	
98	1001230635	1	Tank, Surge Assembly (Includes Items 96A-96D)	
98A	0100020	AR	Sealant, Pipe	
98B	1001134488	1	Fitting, Barbed	
98C	1001138827	1	Sensor, Coolant Level	
98D	1001140564	1	Fitting, Barbed 90	
99	1001235949	1	Bracket Assembly Fuel Pump/Filter (Not Shown - See Separate Breakdown in this Section)	
100	1001260412	1	Bracket	
101	1001260420	1	Bracket	
102	1001276643	1	Engine Harness (See Separate Breakdown in ELECTRICAL Section)	
103	1001281985	1	Connector	
104	1001281986	1	Connector	
105	1001291401	1	Tag, Coolant	
106	1001302954	1	Engine, Deutz D2.9L4 ERM5 (See Separate Breakdown in this Section)	

FIGURE 3-20. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)

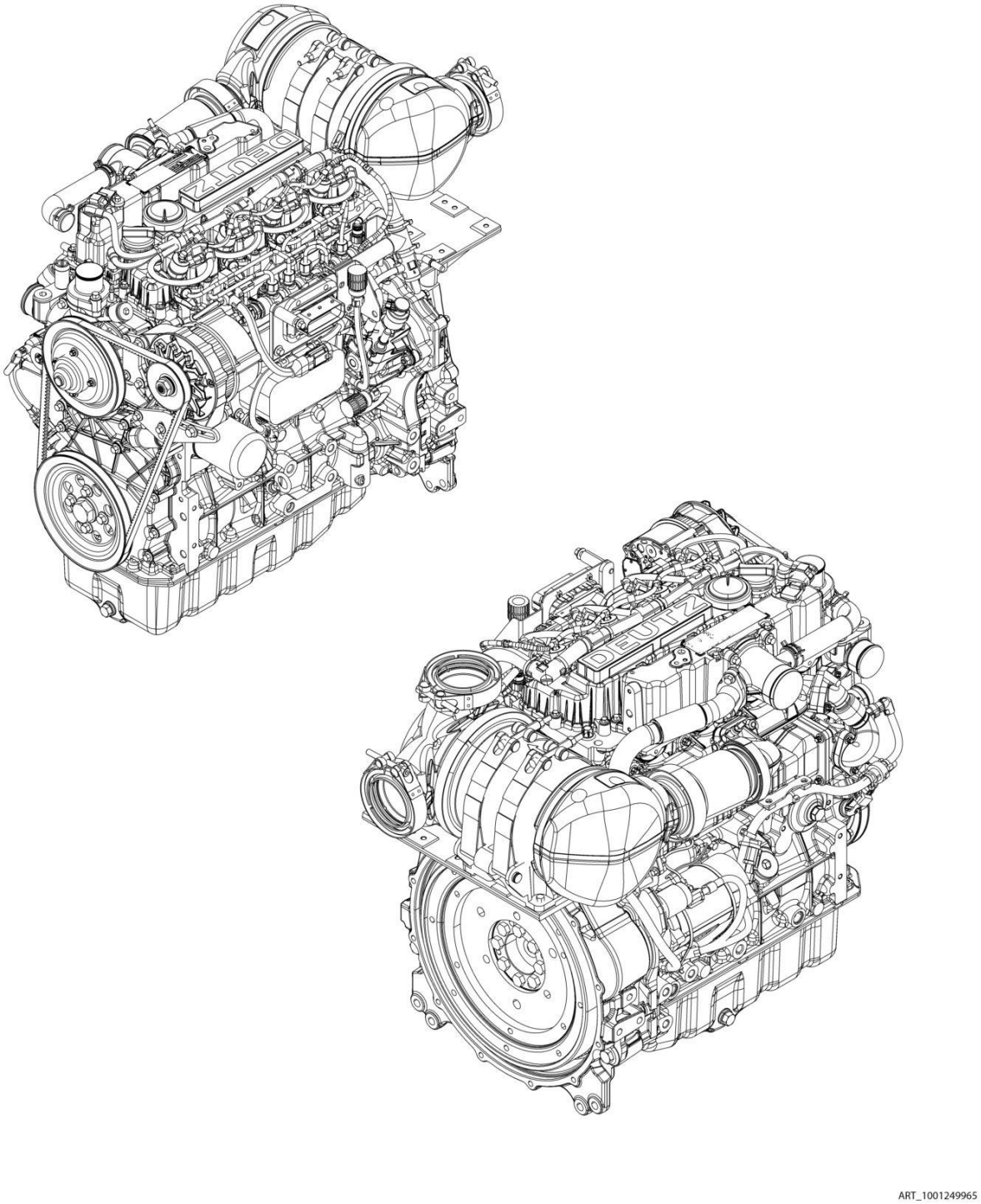


FIGURE 3-20. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249965	Ref	DEUTZ D2.9L4 - EMR4 (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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70007326	1	Gasket EGR Valve	
	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 3-21. ENGINE COMPONENTS - DEUTZ D2.9L4 ERM5 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)

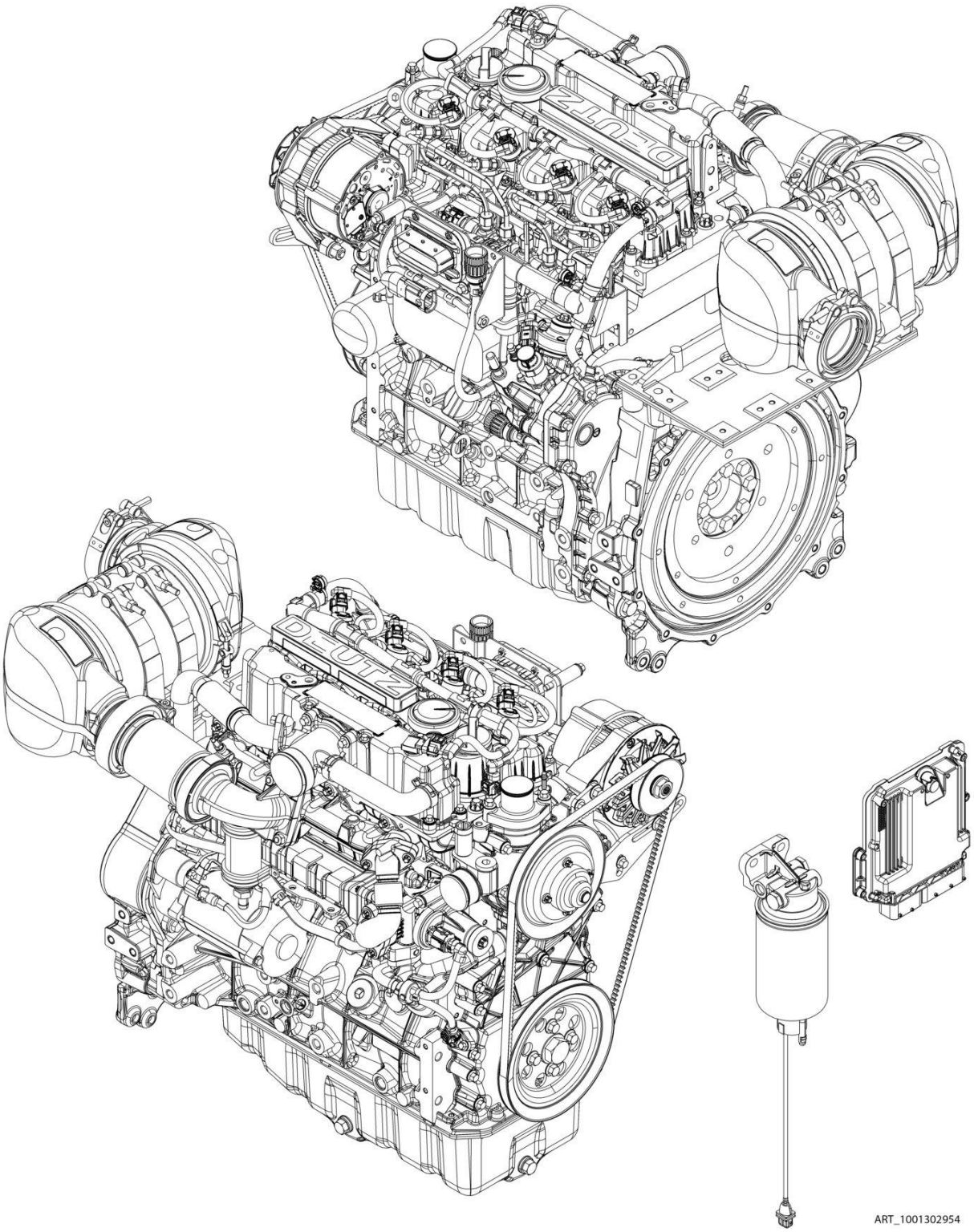
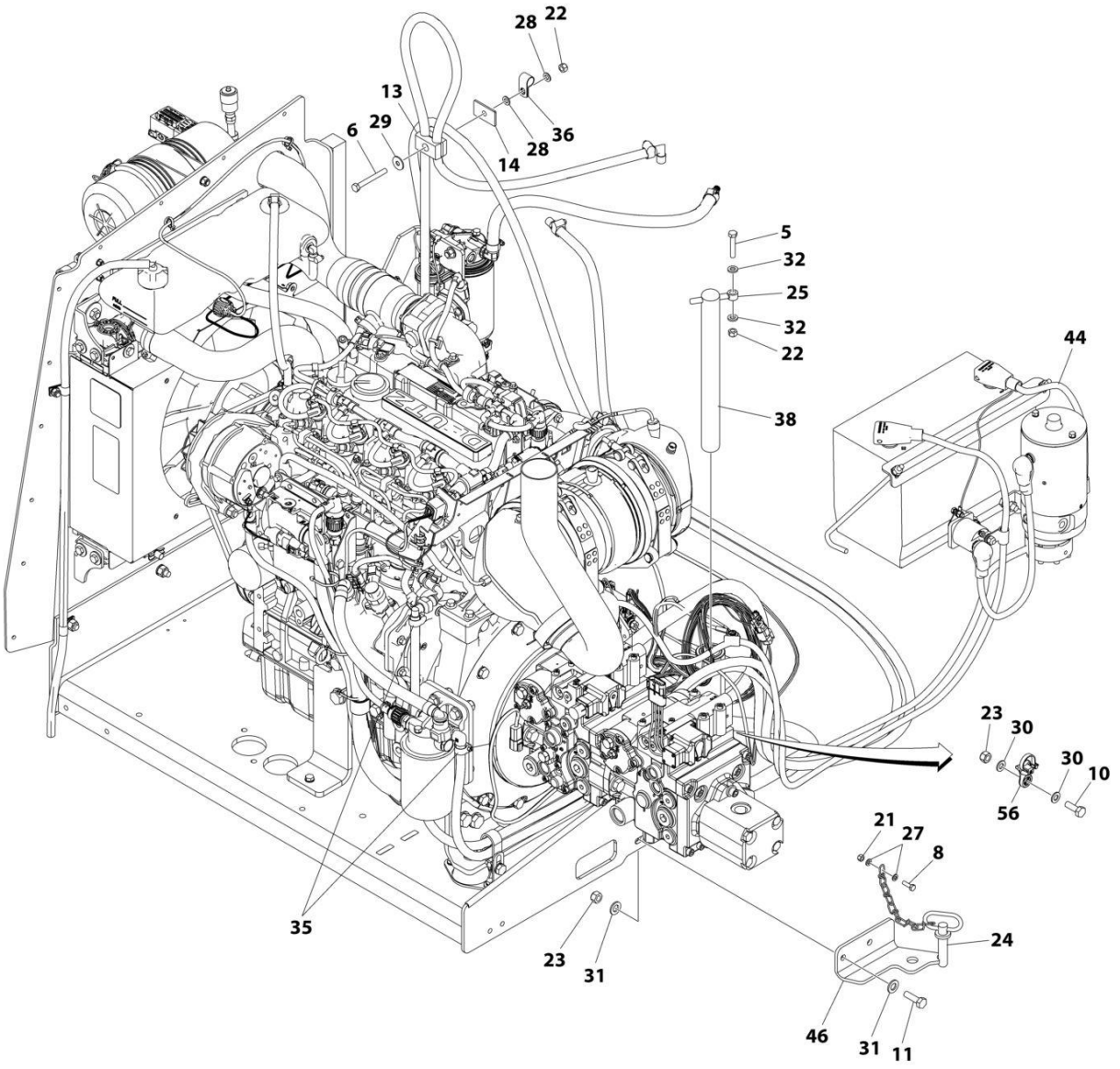


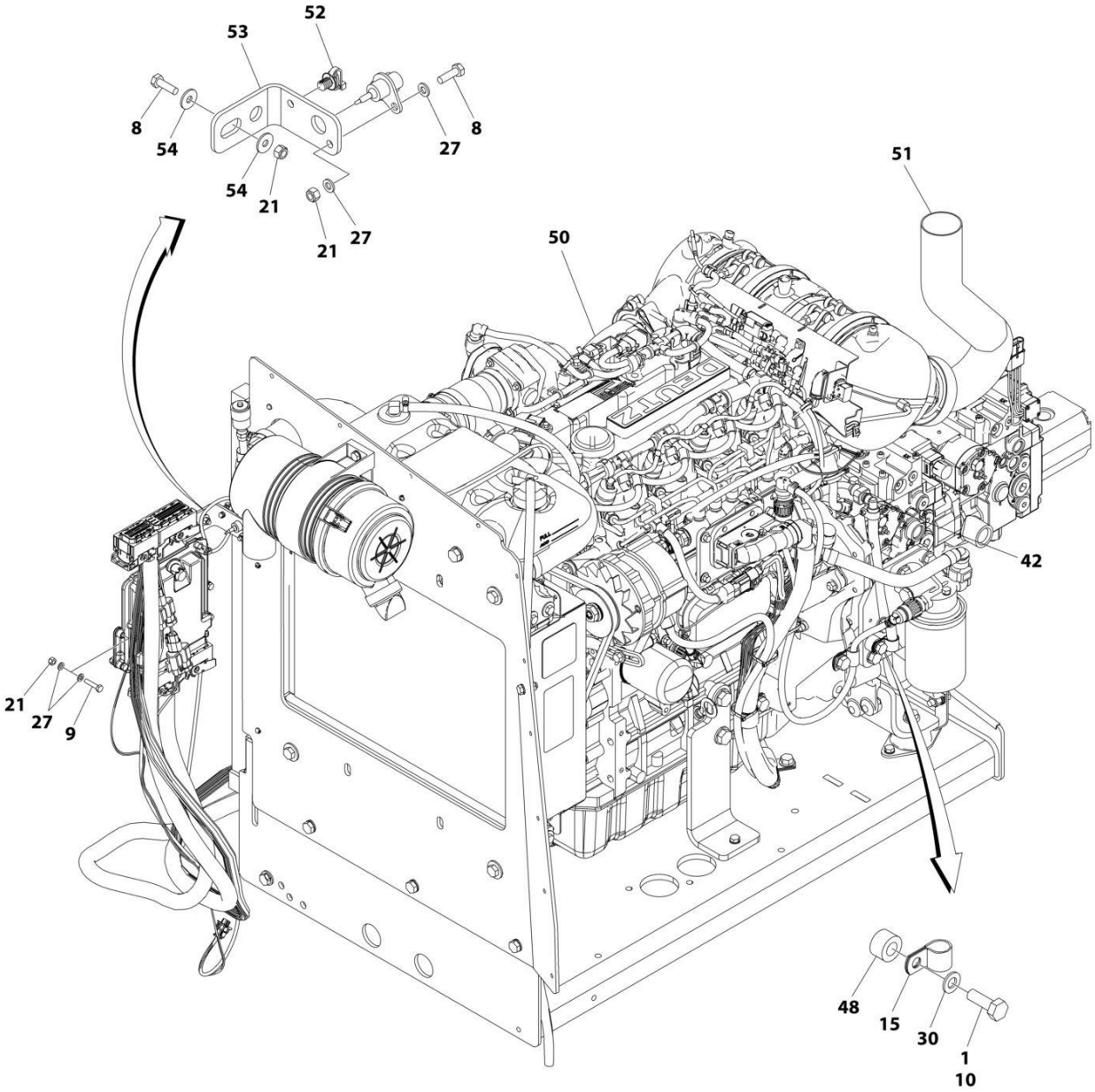
FIGURE 3-21. ENGINE COMPONENTS - DEUTZ D2.9L4 ERM5 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302954	Ref	ENGINE COMPONENTS - DEUTZ D2.9L4 EMR5 ENGINE	A
	See Note	Ref	Note: Contact JLG Customer Service for availability for addition components.	
		Ref	AIR INTAKE SYSTEM	
	70005180	1	Breather Line	
	70005182	1	Charge Air Elbow	
		Ref	COOLING SYSTEM COMPONENTS	
	70030360	1	Pump, Coolant	
	70007603	1	Thermostat	
		Ref	ELECTRICAL COMPONENT	
	70031144	1	Starter	
	NPN	1	Generator	
	70024507	1	Sensor, Pressure (Air Intake)	
	70026210	1	Sensor, Speed	
	70025231	1	Harness, Glow Plug	
	70024919	1	Sensor, Fuel Filter	
	70024504	1	Sensor, Pressure	
	70028540	1	Transmitter, Temperature	
	70029512	1	Module, Engine Control	
	70031143	1	Regulator, Voltage	
		Ref	EXHAUST COMPONENT	
	70004282	1	Exhaust Manifold	
	70031136	1	Pipe, Exhaust	
	70012257	1	Valve, Exhaust	
	70004508	1	Valve, Volume Control	
		Ref	FUEL SYSTEM COMPONENT	
	70030381	1	Pump, High Pressure	
	70004281	1	Injector, Fuel	
	NPN	1	Pump, Fuel Supply (Includes qty 2 Clamps)	
	70024961	1	Filter, Fuel	
	1001225430	1	Filter, Fuel (Pre-Filter)	
	70024513	1	Cable, Sensor	
	70025239	1	Seal	
	70029451	1	Filter, Fuel	
	1001225431	1	Filter, Fuel (Spin-On)	
	70024502	1	Pipe, Fuel	
		Ref	GASKET AND SEAL COMPONENT	
	70024905	2	Seal, Dipstick	
	70005942	1	Seal, Oil Plug	
	70005171	1	Gasket, Valve Cover	
	70024906	1	Gasket, Head	
	70002718	1	Seal, Rear Main	
	70005177	1	Gasket, Charge Air Housing	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Seal, Thermostat	
	70025164	1	Gasket, Exhaust Manifold to Head	
	70007326	1	Gasket, EGR Valve	
	70031095	1	Gasket, Exhaust Return Pipe	
	70007354	1	Gasket, Short Exhaust Pipe	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	OTHER COMPONENT	
	70001870	1	Flywheel (Includes Ring Gear)	
	7024579	1	Gear, Ring	
		Ref	OIL LUBE SYSTEM	
	70024904	1	Dipstick	
	70024905	1	Cap, Oil Fill	
	70005941	1	Plug, Oil	
	70005172	1	Pump, Oil Lube	
	7016331	1	Filter, Oil	
	70024494	1	Oil Cooler	

FIGURE 3-22. ENGINE INSTALLATION - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

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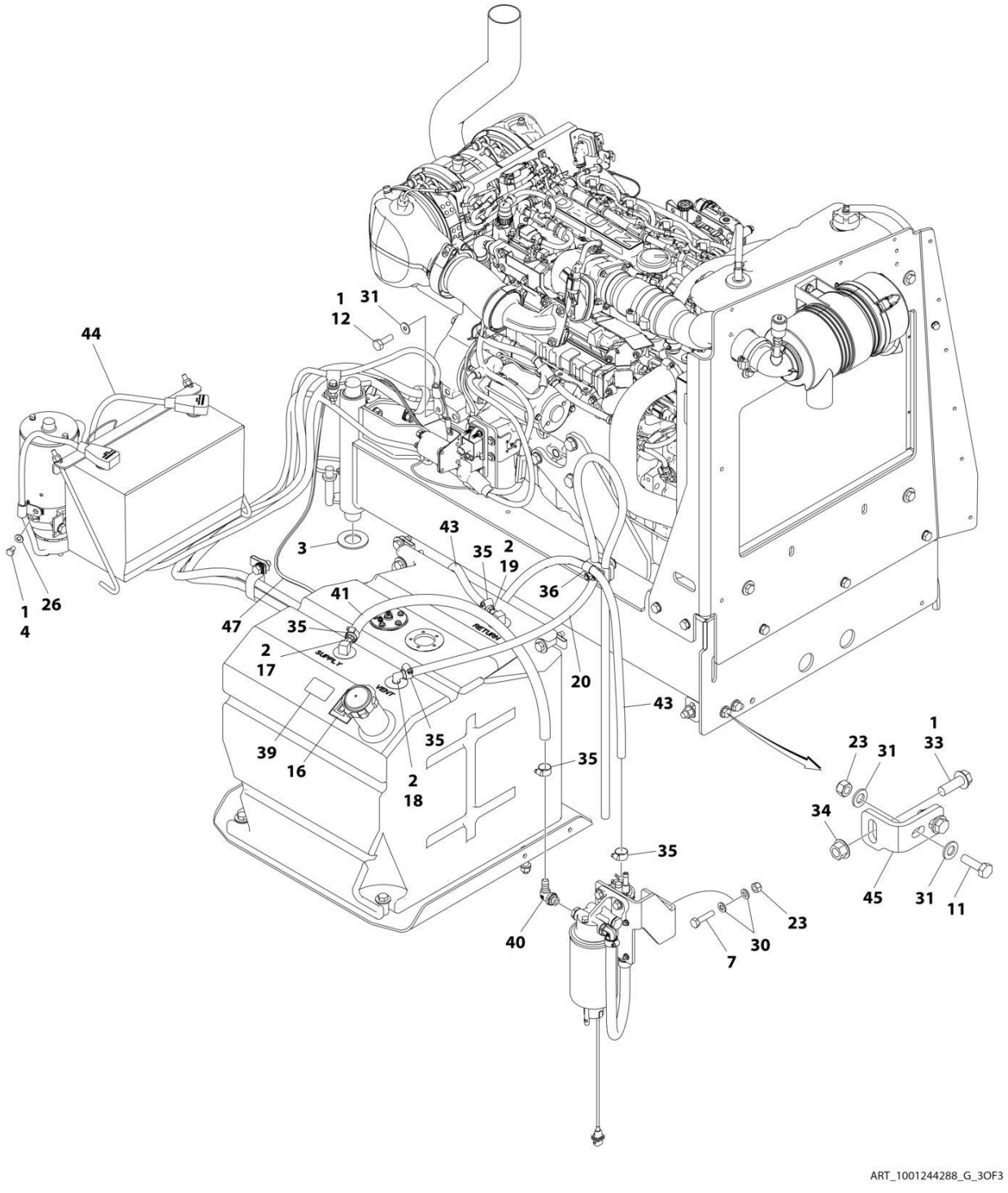
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FIGURE 3-22. ENGINE INSTALLATION - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244288	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 (STAGE V) ENGINE	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	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	2	Bolt M10 x 30	
11	0761015	4	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	
19	8430007	1	Coupling	
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	
46	1001169823	1	Plate, Engine Lock	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001173342	1	Harness, Fuel Pump (See Separate Breakdown in ELECTRICAL Section)	
48	1001220266	1	Bar, Spacer M12 x 12	
50	1001277601	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	4811702	4	Washer M6	
55	1062255	AR	Tie-Strap (Not Shown)	
56	1001156107	1	Holder	

FIGURE 3-23. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

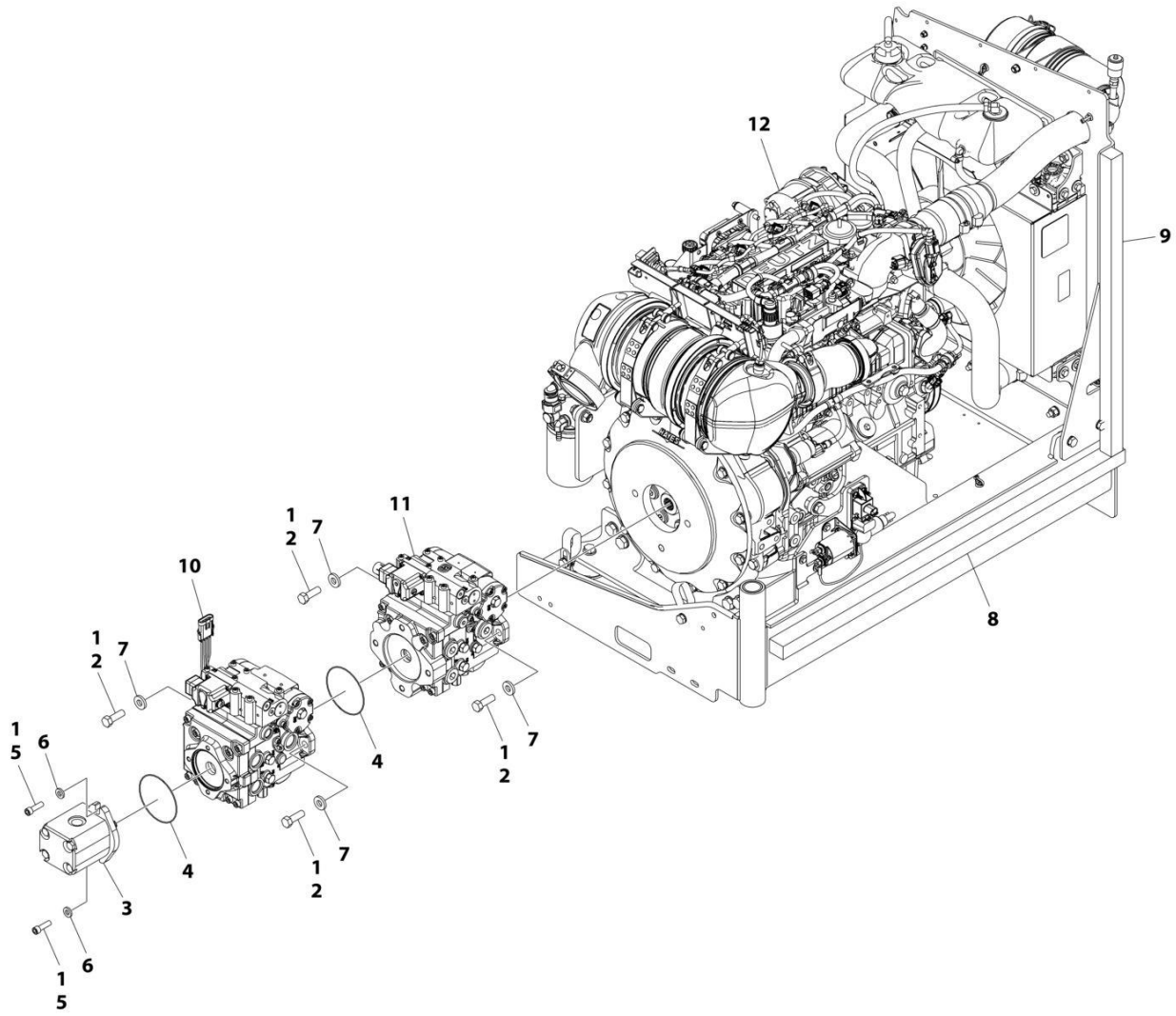
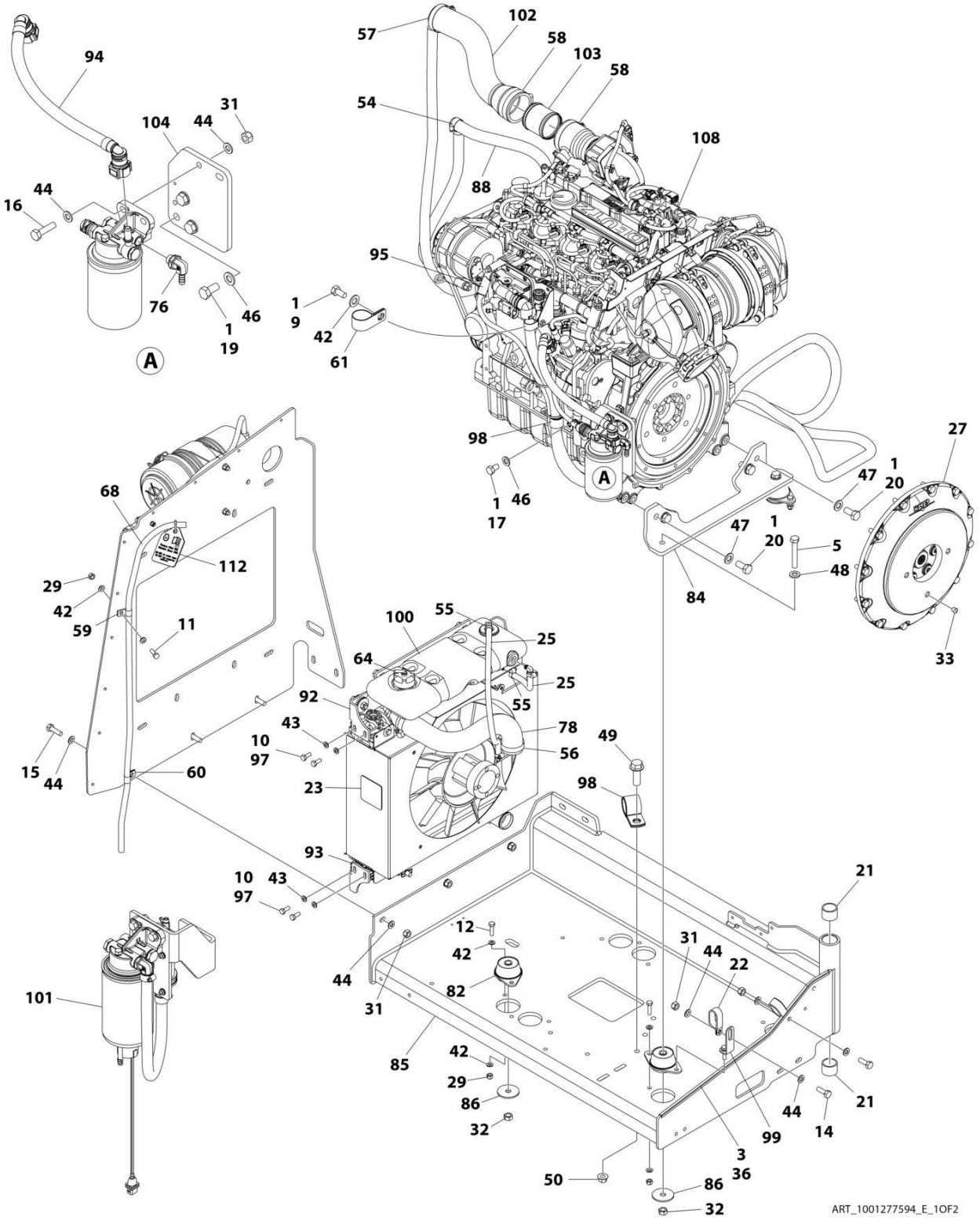


FIGURE 3-23. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277601	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE	B
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
3	3600242	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
4	3790045	2	O-Ring	
5	3931620	2	Capscrew, 3/8 x 1-1/4	
6	4891600	2	Washer, 3/8 Hardened	
7	4891800	4	Washer 1/2 Hardened	
8	1001171953	1	Seal	
9	1001171954	1	Seal	
10	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
11	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	
12	1001277594	1	Engine Assembly, Deutz (Stage V) Engine (See Separate Breakdown in this Section)	

FIGURE 3-24. ENGINE ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)



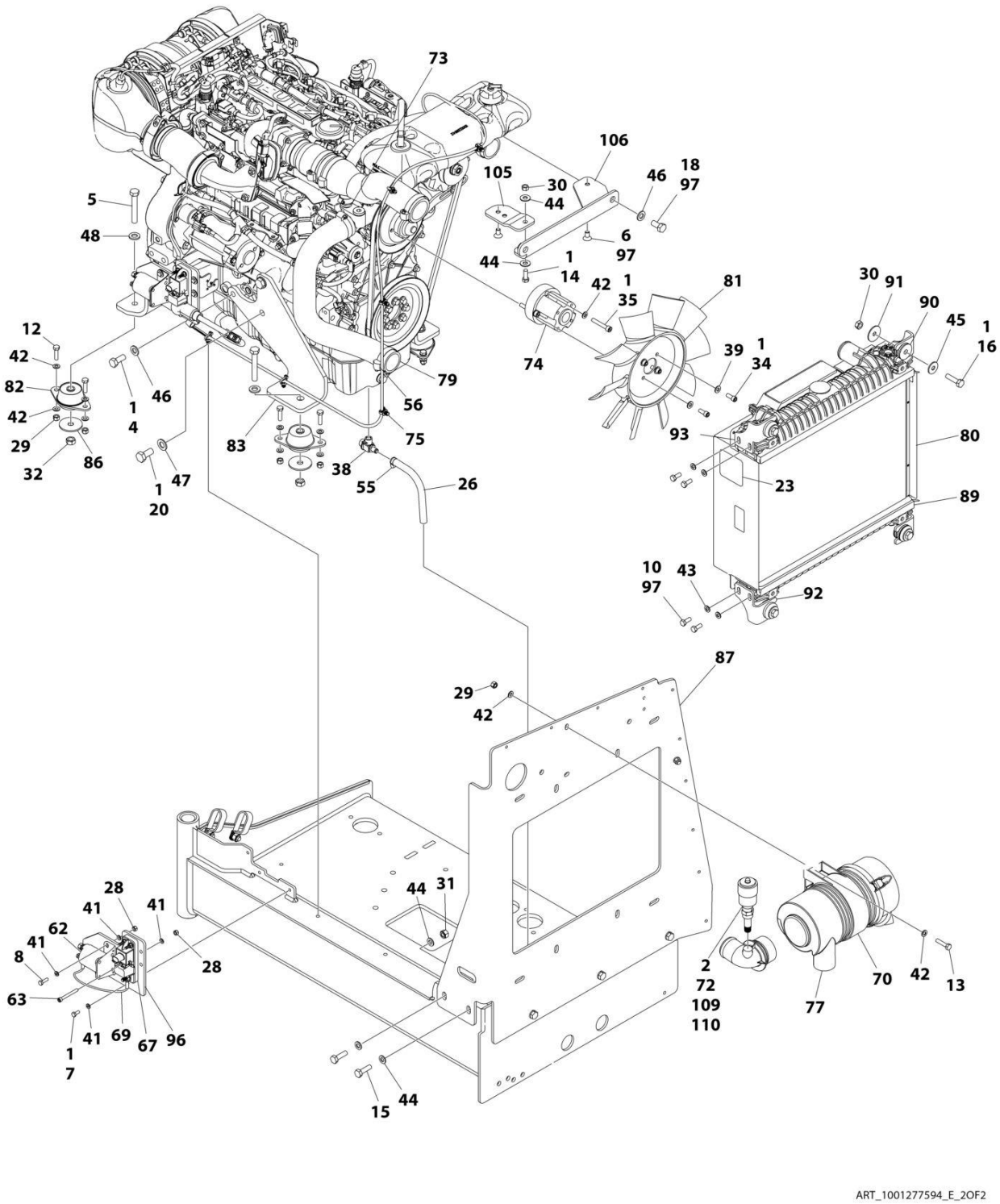

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FIGURE 3-24. ENGINE ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277594	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 (STAGE V)	E
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0711214	1	Bolt M12 x 30 Class 10.9	
5	0711224	3	Bolt M12 x 80 Class 10.9	
6	0741606	2	Screw 3/8 x 3/4	
7	0760607	3	Bolt M6 x 14	
8	0760610	2	Bolt M6 x 20	
9	0760808	1	Bolt M8 x 16	
10	0760810	8	Bolt M8 x 20	
11	0760812	1	Bolt M8 x 25	
12	0760814	6	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	6	Bolt M14 x 30 Class 10.9	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
25	2720015	2 ft /1 m	Hose	
26	2720340	1 ft/1 m	Hose	
27	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
28	3290605	3	Nut M6	
29	3290805	9	Nut M8	
30	3291001	5	Nut M10	
31	3291005	9	Nut M10	
32	3331215	3	Nut M12 x 1.75	
33	3520054	1	Plug	
34	3931512	4	Capscrew, 5/16 x 3/4	
35	4031914	4	Bolt M8 x 50	
36	4060805	3 ft /1 m	Flex-Trim	
37	4240099	AR	Tie-Strap (Not Shown)	
38	4640751	1	Valve, Oil Drain	
39	4711500	4	Washer 5/16	
40	4811700	2	Washer M6	
41	4811702	8	Washer M6	
42	4811900	23	Washer M8	
43	4811902	8	Washer M8	
44	4812000	20	Washer M10	
45	4812002	4	Washer M10	
46	4812100	7	Washer M12	
47	4812200	6	Washer M14	
48	5241200	3	Washer M12	
49	5251215	1	Bolt M12 x 35	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	5261200	1	Nut, Flange M12 Class10	
54	8405007	2	Clamp	
55	8405009	5	Clamp	
56	8405104	4	Clamp	
57	8405202	1	Clamp	
58	8405204	2	Clamp	
59	8406109	1	Clip	
60	8406110	1	Clip	
61	8406201	1	Clip	
62	1001117308	1	Relay, 200Amp	
63	1001118878	1	Bolt M6 x 55	
64	1001136834	1	Cap, Tank	
67	1001138228	1	Relay, Power Module	
68	1001138248	4 ft/1 m	Tube	
69	1001141304	1	Harness, Glow Plug	
70	1001141694	1	Clamp, Air Cleaner	
72	1001143390	1	Indicator	
73	1001143797	1	Fitting, Barbed	
74	1001144116	1	Spacer, Fan	
75	1001146588	AR	Tie-Strap (Not Shown)	
76	1001152489	1	Fitting, Barbed 90	
77	1001165388	1	Air Cleaner Assembly	
78	1001165405	1	Hose, Upper Radiator	
79	1001165406	1	Hose, Lower Radiator	
80	1001165722	1	Radiator	
81	1001165849	1	Fan	
82	1001166718	3	Mount, Motor	
83	1001166921	1	Plate, Engine Mount	
84	1001166924	1	Plate, Engine Mount	
85	1001167520	1	Tray, Engine	
86	1001168018	3	Washer, Special	
87	1001168026	1	Plate, Radiator Mounting	
88	1001168099	1	Hose	
89	1001168166	2	Seal	
90	1001169054	4	Isolator	
91	1001169138	4	Washer, Snubbing	
92	1001169967	2	Bracket	
93	1001170035	2	Bracket	
94	1001177359	1	Hose	
95	1001178788	1	Cable, Alternator	
96	1001179903	1	Bracket	
97	1001180620	AR	Adhesive	
98	1001191620	2	Clamp	
99	1001223122	1	Support	
100	1001230635	1	Tank, Surge (Includes Items 62, 70, & 73)	
101	1001235949	1	Bracket (See Separate Breakdown in this Section)	
102	1001236780	1	Hose, Air Intake	
103	1001238911	1	Pipe, Air Intake	
104	1001258804	1	Mount, Fuel Filter	
105	1001260412	1	Bracket	
106	1001260420	1	Bracket (note: may require P/N 1001260412)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
107	1001276643	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
108	1001277589	1	Engine, Deutz 2.9L4 (Stage V) (See Separate Breakdown in this Section)	
109	2200261	1	Fitting	
110	1001277432	1	Spacer	
111	4240032	1	Tie-Strap (Not Shown)	
112	1001291401	1	Tag, Coolant	

FIGURE 3-25. ENGINE COMPONENTS - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

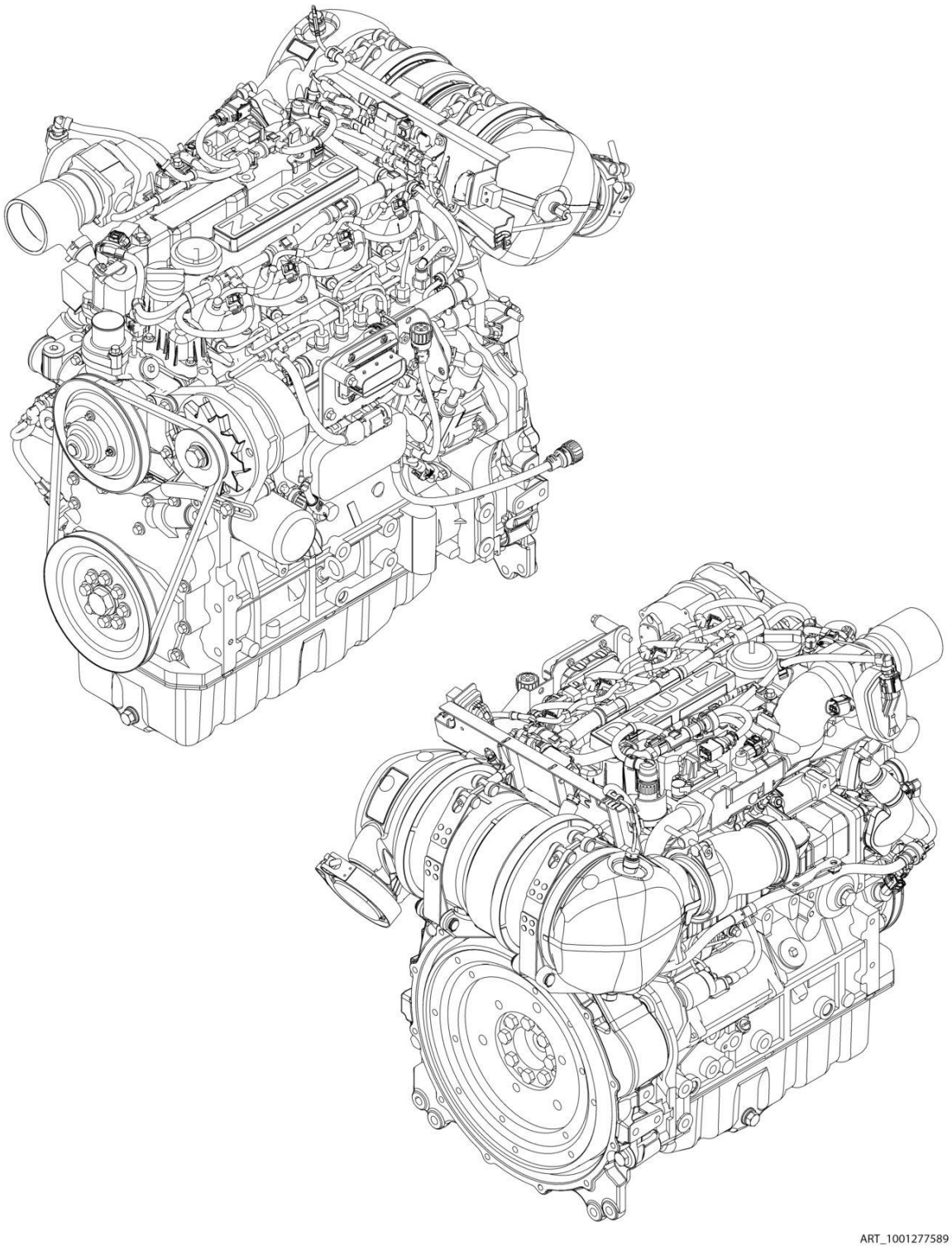


FIGURE 3-25. ENGINE COMPONENTS - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277589	Ref	DEUTZ ENGINE COMPONENTS	B
	SEE NOTE	1	Note: Additional components may be available. Contact JLG Customer Service for more details.	
		Ref	**COOLING SYSTEM COMPONENTS**	
	70031474	1	Cooler, Oil	
	70031388	1	Seal, Oil Cooler	
	70030360	1	Pump, Coolant (Includes Gaskets & Seals)	
	70031055	1	O-Ring, Coolant Pump	
	70007325	1	Gasket	
	70007603	1	Thermostat	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Gasket, Thermostat	
		Ref	**ELECTRICAL SYSTEM COMPONENTS**	
	70024513	1	Cable, Primary Fuel Filter Sensor (Includes Seal)	
	70025239	1	Seal	
	70028538	1	Sensor, Fuel Pressure (at Filter) (Includes Seal)	
	70024920	1	Seal	
	70029512	1	Module, ECU/ECM	
	70027405	1	Senor, Exhaust Temperature	
	70031144	1	Starter	
	70008435	1	Generator (includes Regulator)	
	70031143	1	Regulator	
	70000345	4	Plug, Glow	
	70025231	1	Harness, Glow Pug	
	70008553	1	Cable, Interconnect	
	70008558	1	Harness, Engine	
	1001211556	1	Sensor, Temperature (Includes O-Seal)	
	70005507	1	O-Seal	
	70028540	1	Sensor, Temperature (in Cylinder Head)	
	70024504	1	Sensor, Oil Pressure (Side of Block) (Includes Seal)	
	70024920	1	Seal	
	70026210	2	Sensor, Speed (Includes O-Ring/Seal)	
	70005191	1	O-Ring	
	70024917	1	Seal	
	70008559	1	Sensor, Air Pressure (Air Exchange Manifold) (Includes O-Ring)	
	70008561	1	Sensor, Air Pressure (Air Exchange Manifold) (Includes O-Ring)	
	70024505	1	Sender, Exhaust Temperature	
	70029409	1	Sender, Exhaust Temperature	
	70008431	1	Sensor, Exhaust Pressure	
		Ref	**EXHAUST SYSTEM COMPONENTS**	
	70025130	8	Bolt, Exhaust Manifold	
	70025164	1	Gasket, Exhaust Manifold to Head	
	70005505	2	O-Seal	
	70008543	1	Pipe, Exhaust	
	70008544	1	O-Seal, Exhaust (Venturi Tube to Exhaust Pipe)	
	70008545	1	Gasket, Square Exhaust	
	70005504	1	Sensor, Exhaust Pressure (Includes O-Seals)	
	70031136	1	Gasket, Exhaust (Upper)	
	70007354	1	Gasket, Exhaust (Lower)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70008547	1	Module, EGR (Includes Gasket)	
	70007326	1	Gasket	
	70025242	2	Gasket, Compensator	
	70004504	1	Compensator	
	70008564	1	Catalyst	
		Ref	**FUEL SYSTEM COMPONENTS**	
	1001225430	1	Filter, Primary Fuel	
	1001225431	1	Filter, Fuel	
	70030381	1	Pump, High Pressure	
	70025152	1	O-Ring (Between Pump AND Spacer)	
	70004505	1	Valve, Overflow (Includes O-Rings)	
	70004506	1	O-Ring	
	70004507	1	O-Ring	
	70004508	1	Valve, Volume Control (Includes O-Ring & Gasket)	
	70004509	1	O-Ring	
	70004510	1	Gasket	
	70004281	4	Injector, Fuel (Includes Sealing Washer & O-Ring)	
	70025140	1	Washer, Sealing	
	70025145	1	O-Rin	
	70008422	1	Pump, Fuel Supply (Includes Clamps)	
	70025144	2	Clamp	
	70008537	1	Valve, Throttle (Includes Gasket)	
	70008538	1	Gasket	
		Ref	**GASKETS & SEAL & KITS**	
	70024906	1	Gasket, Head	
	70005171	1	Gasket, Valve Cover	
	70002718	1	Seal, Rear Main	
	70028185	1	Gasket, Front Cover	
	70008296	1	Seal, Front Main	
	70025235	1	Kit, Repair - Fuel Rail	
	70005176	1	O-Ring, Charge Exchange Manifold	
	70005177	1	Gasket, Charge Exchange Manifold	
	70005938	1	Gasket Kit	
		Ref	**LUBRICATION SYSTEM COMPONENTS**	
	7016331	1	Filter, Oil	
	70024904	1	Dipstick (Includes O-Ring)	
	70024905	1	O-Ring, Dipstick	
	7020465	2	Cap, Oil Fill	
	70005941	1	Plug, Oil Drain	
	70005942	1	Washer, Oil Drain Plug	
	70005172	1	Pump, Oil Lube (Includes Gasket & O-Ring)	
		Ref	**MECHANICAL COMPONENTS**	
	70001870	1	Flywheel (Includes Ring Gear)	
	7024579	1	Gear, Ring	
	70024913	1	V-Belt	

FIGURE 3-26. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITHOUT GENERATOR)

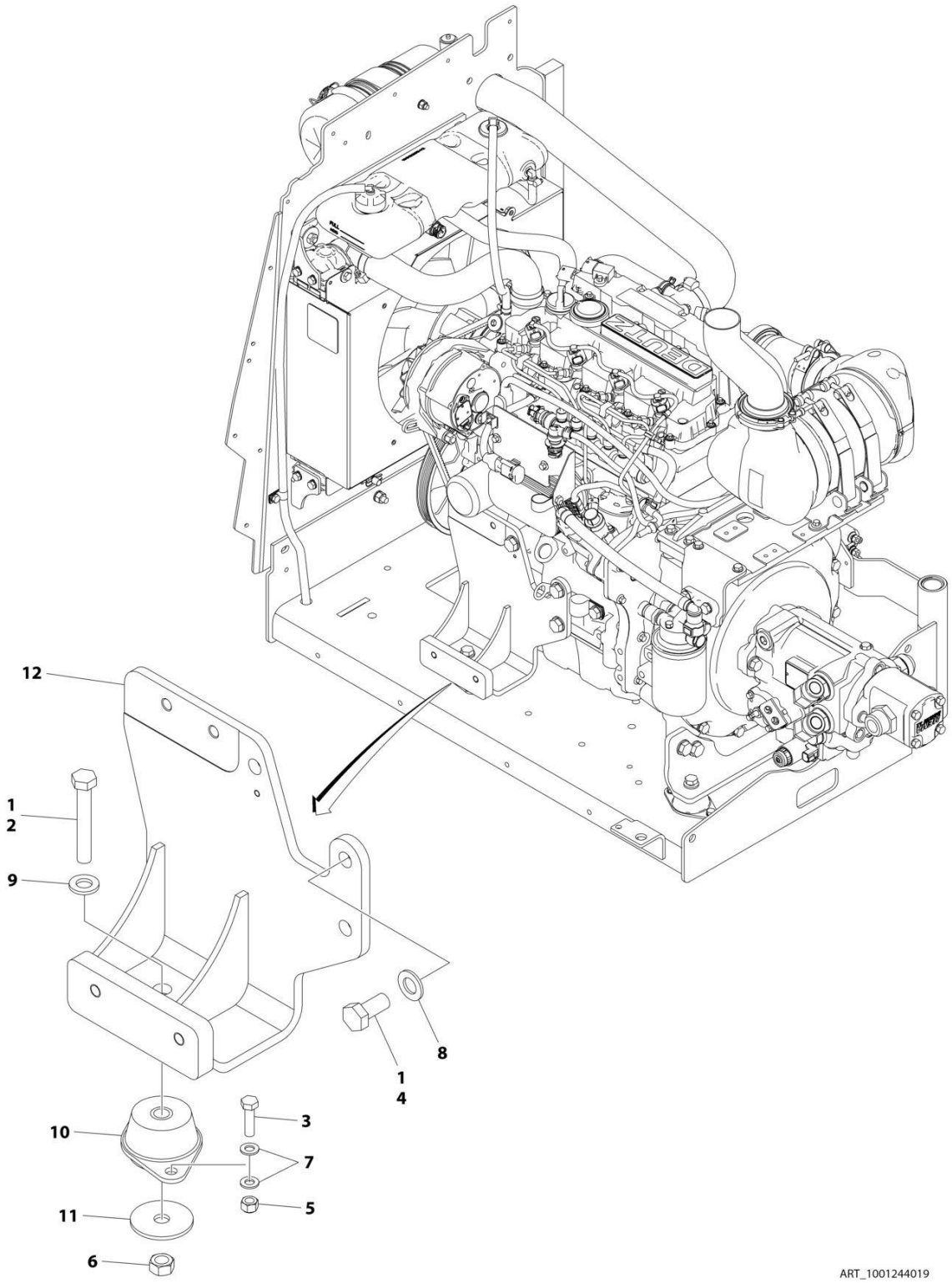


FIGURE 3-26. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITHOUT GENERATOR)

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 3-27. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITH GENERATOR)

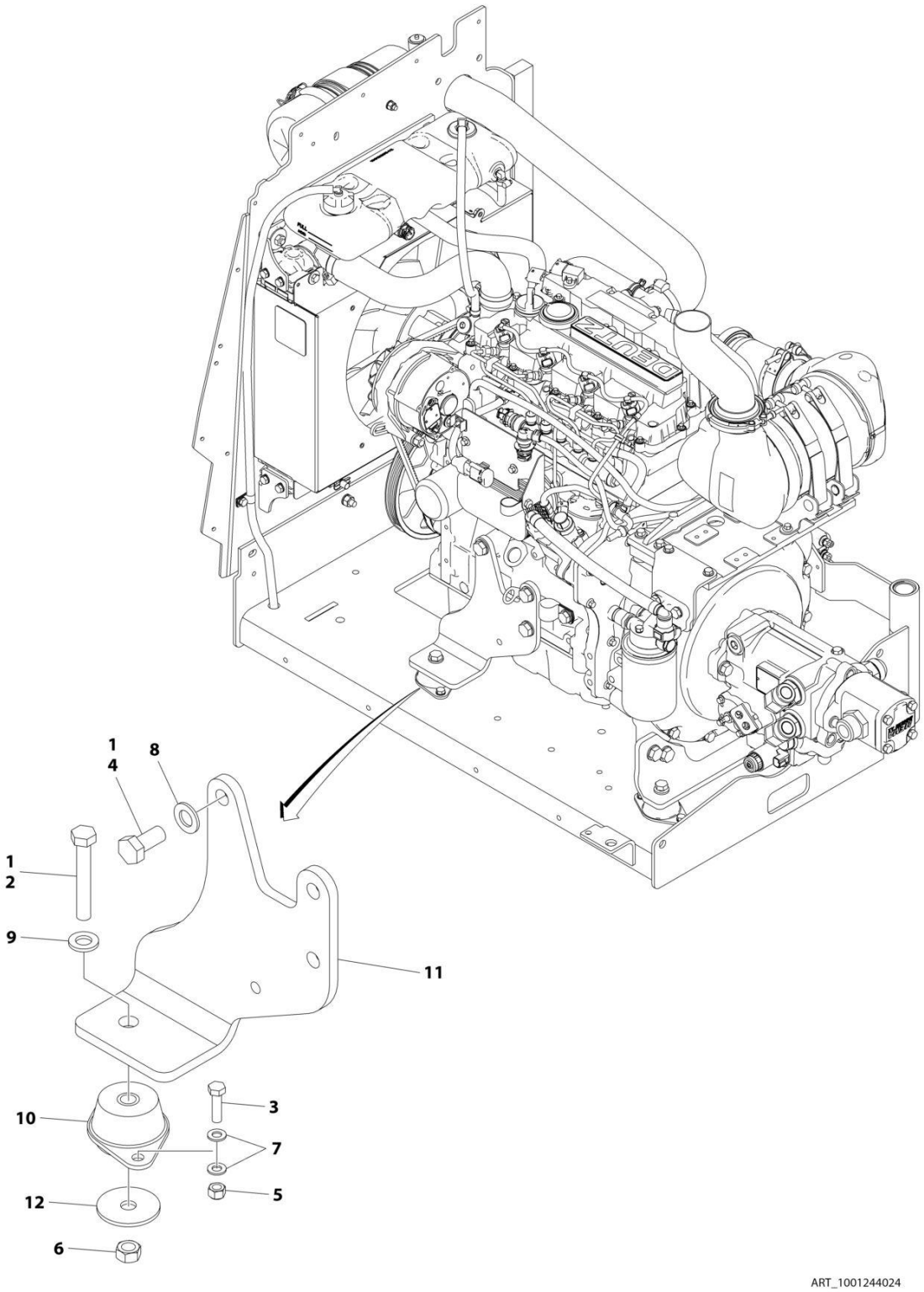


FIGURE 3-27. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITH GENERATOR)

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 3-28. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)

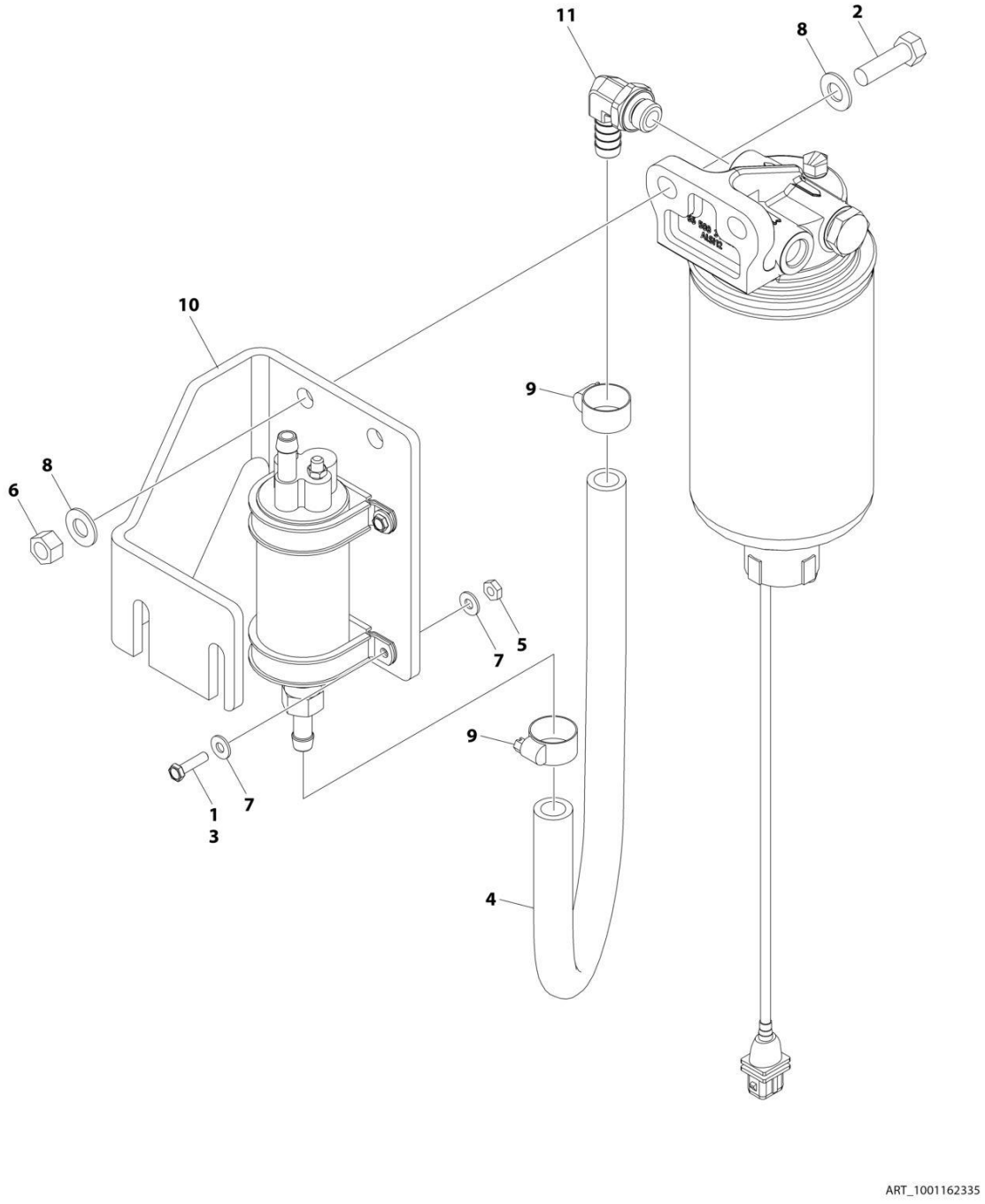


FIGURE 3-28. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)

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 3-29. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 (STAGE V) ENGINE)

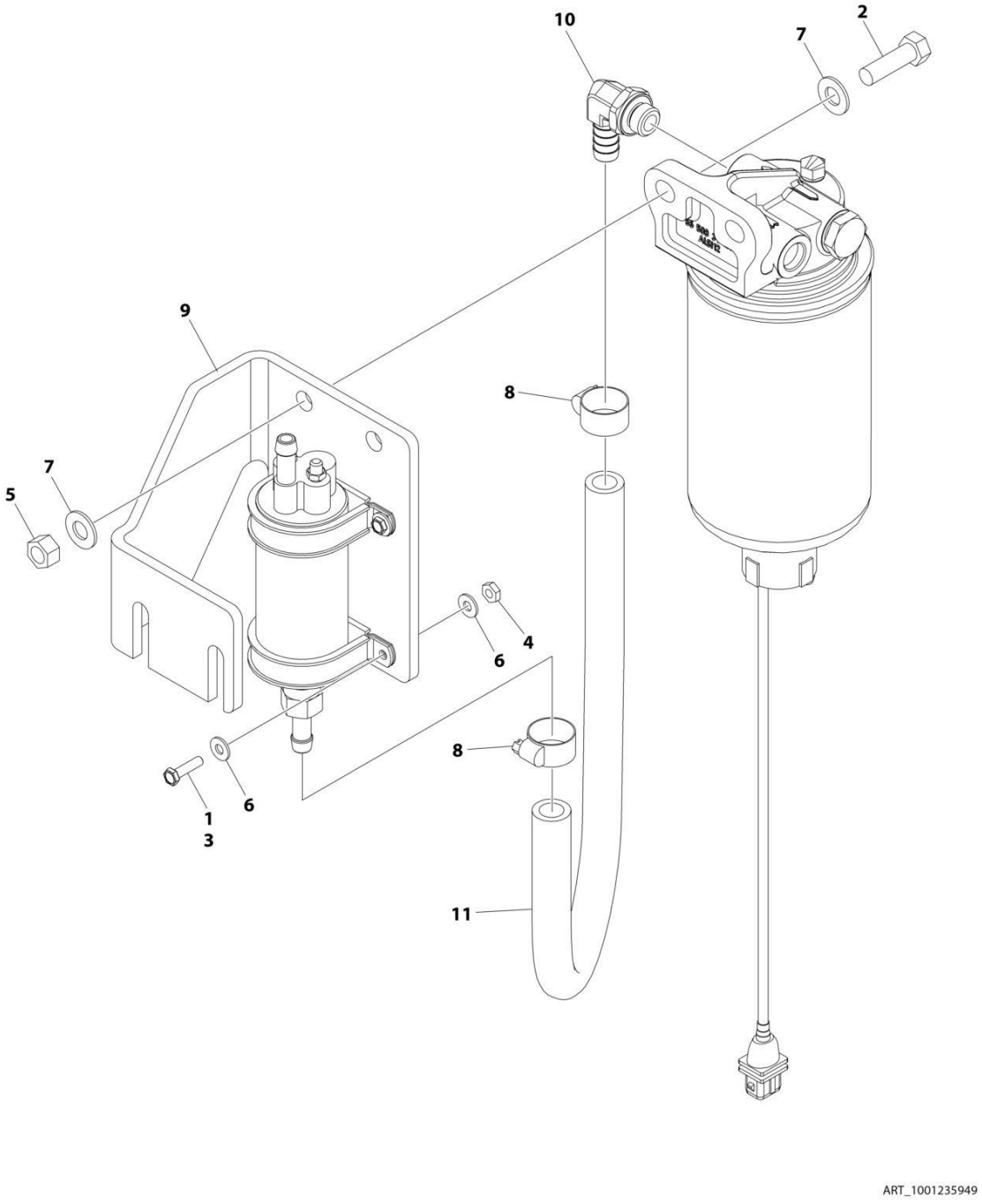


FIGURE 3-29. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 (STAGE V) ENGINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235949	Ref	BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 (STAGE V) ENGINE)	A
1	0100035	AR	Compound, Locking	
2	0641610	2	Bolt 3/8 x 1-1/4	
3	0721006	4	Bolt #10 x 3/4	
4	3311001	4	Nut #10	
5	3311605	2	Nut 3/8	
6	4711000	8	Washer #10	
7	4711600	4	Washer 3/8	
8	8405006	2	Clamp	
9	1001141870	1	Plate, Fuel Pump Mount	
10	1001142501	1	Fitting, Elbow Barbed	
11	1001154405	1.5 ft /0.4m	Hose	

FIGURE 3-30. GEAR PUMP ASSEMBLY

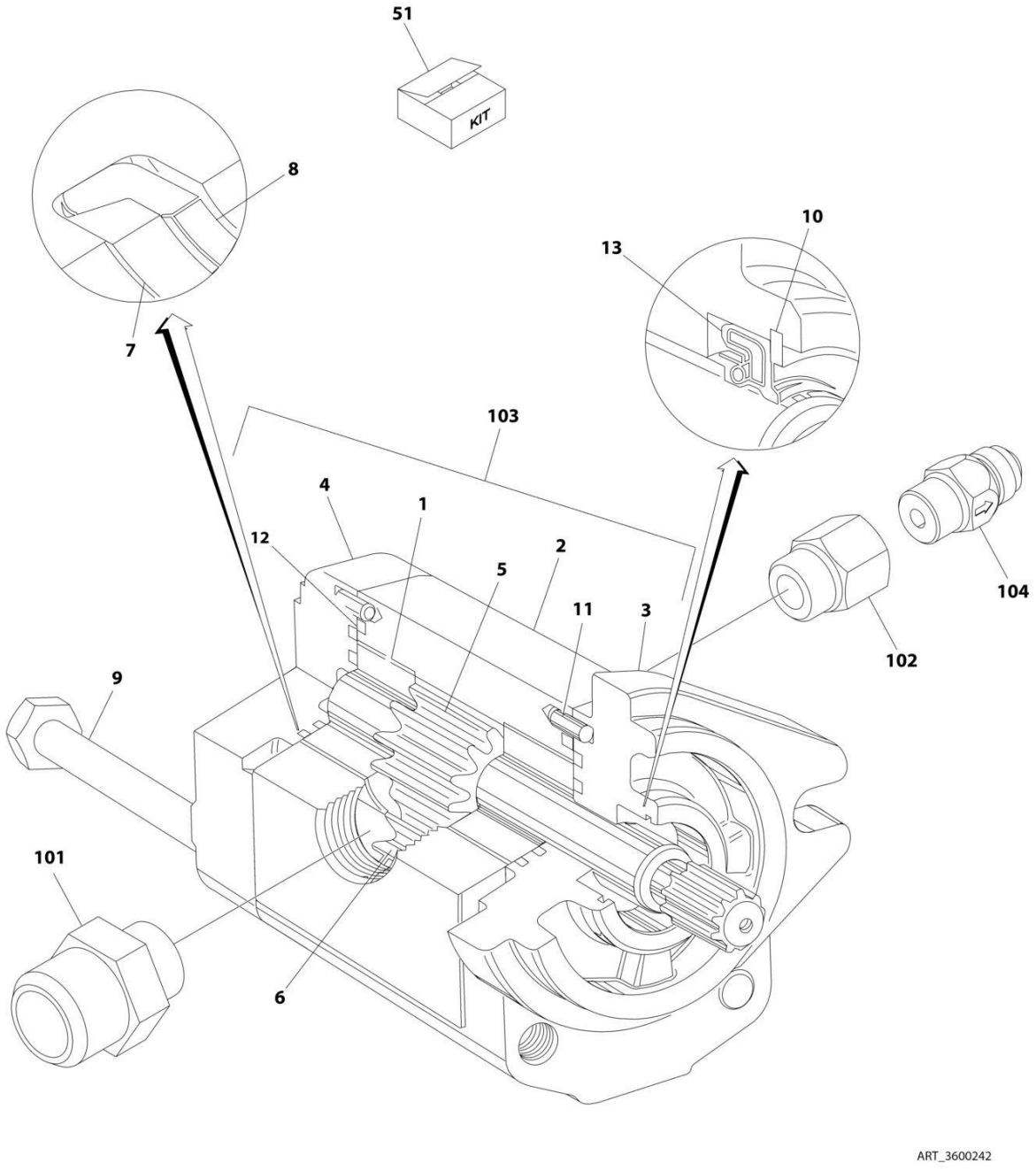


FIGURE 3-30. GEAR PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3600242	Ref	GEAR PUMP ASSEMBLY	
1	7010105	2	Bearing/Bushing	
2	See Note	NSS	Housing (Note: Use Item 3600242)	
3	See Note	NSS	Flange (Note: Use Item 3600242)	
4	7010103	1	Cover	
5	7012987	1	Gear, Drive	
6	7012988	1	Gear, Idler	
7	See Note	NSS	Ring, Anti-Extrusion (Note: Use Item 51)	
8	See Note	NSS	Seal (Note: Use Item 51)	
9	See Note	4	Bolt (Note: Not Available for Purchase)	
10	7010104	1	Ring, Retaining	
11	See Note	NSS	Pin, Dowel (Note: Not Available for Purchase)	
12	See Note	NSS	Seal, O-Ring (Note: Use Item 51)	
13	See Note	NSS	Seal, Shaft (Note: Use Item 51)	
51	7007489	1	Seal Kit (Includes Items 7, 8, 12 & 13)	
	3600395	Ref	GEAR PUMP AND FITTING ASSEMBLY	B
101	2220376	1	Fitting, Straight	
102	2220810	1	Fitting, Reducer	
103	3600242	1	Pump (Includes Items 1 - 13)	
104	4640744	1	Fitting, Check Valve	

FIGURE 3-31. PISTON PUMP ASSEMBLY (FRONT)

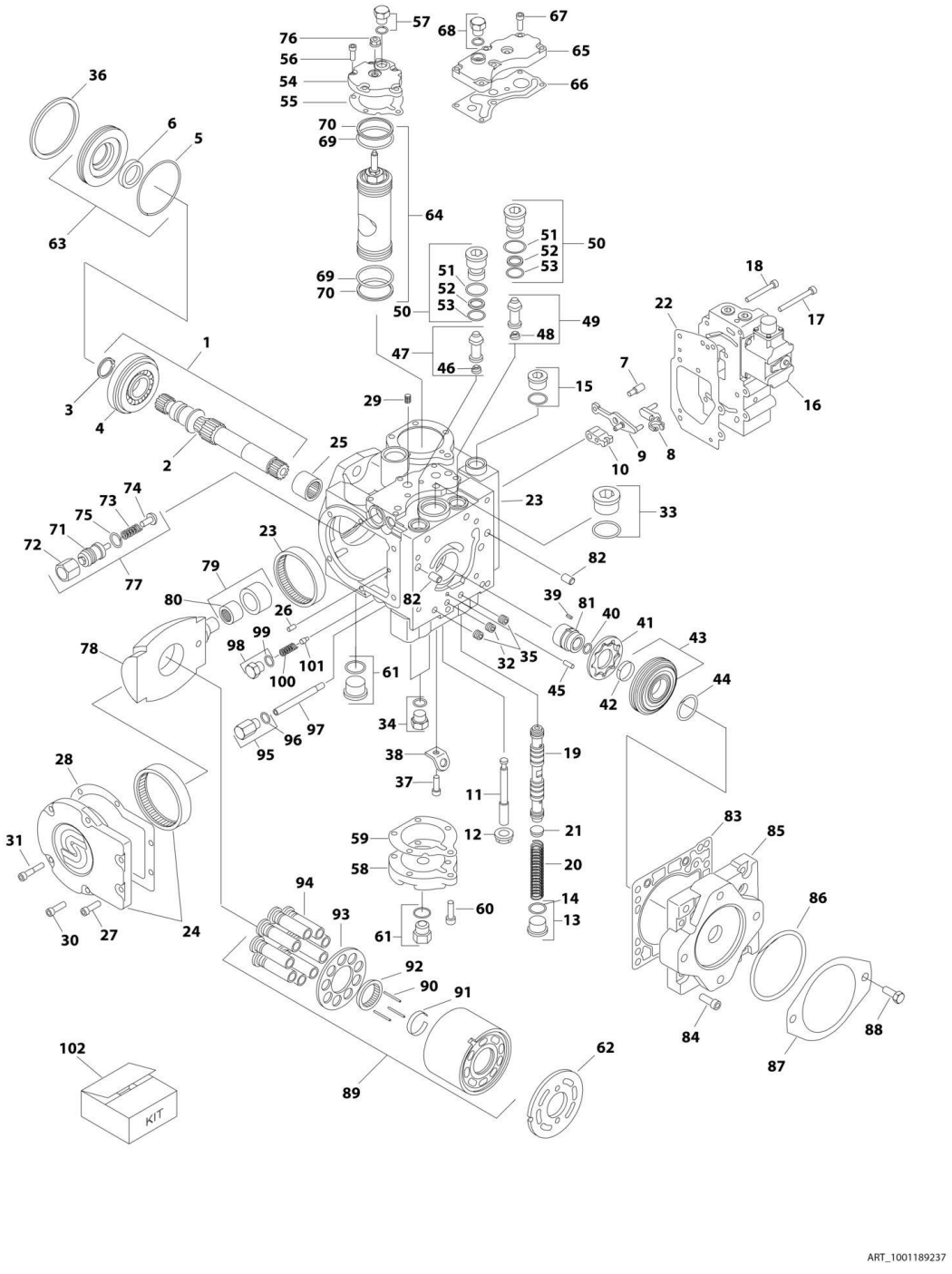


FIGURE 3-31. PISTON PUMP ASSEMBLY (FRONT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189237	Ref	PISTON PUMP ASSEMBLY (FRONT)	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	See Note	NSS	O-Ring (Use Item 102)	
6	See Note	NSS	Seal, Lip (Use Item 102)	
7	70005245	1	Screw	
8	7022331	1	Link, Control Summing	
9	7022332	1	Link, Control Feedback	
10	7022333	1	Link, Neutral Adjust	
11	70005246	1	Screw, Neutral Adjust	
12	See Note	NSS	Nut, Seal (Use Item 102)	
13	70005247	1	Plug (Includes Item 14)	
14	7022322	1	O-Ring	
15	7022321	1	Plug Assembly	
16	70005248	1	Controller, Electrical	
17	70005249	4	Screw M6 x 50	
18	70005250	3	Screw M6 x 60	
19	7022336	1	Spool Assembly	
20	70005251	1	Spring	
21	70005252	1	Adapter	
22	7022338	1	Gasket, Control	
23	7023999	1	Housing Assembly (Includes Items 25, 29, 32 & 35)	
24	7021248	1	Side Cover Assembly	
25	7021249	1	Bearing, Needle	
26	70005253	1	Pin	
27	70004890	2	Screw M6 x 20	
28	See Note	NSS	Gasket, Side Cover (Use Item 102)	
29	70005254	1	Screen, Filter	
30	70004892	2	Screw M6 x 30	
31	70004892	2	Screw M6 x 30	
32	70005255	1	Plug	
33	7007419	2	Plug Assembly	
34	7007420	2	Plug	
35	70005255	2	Plug	
36	7021257	1	Ring, Retaining	
37	70004890	1	Screw	
38	7022340	1	Bracket, Lifting	
39	70004893	1	Key	
40	7022341	1	Ring, Retaining	
41	7022343	1	Gerotor Assembly	
42	7021259	1	Bearing, Journal	
43	70004894	1	Gerotor Cover Assembly (Includes Item 42)	
44	7021262	1	O-Ring	
45	70005257	1	Pin	
46	7024800	1	Spring	
47	70005258	1	Valve, SCR (Includes Item 46)	
48	7024800	1	Spring	
49	70005259	1	Valve, SCR (Includes Item 48)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	See Note	NSS	Bypass Valve Assembly (Use Item 102)	
51	See Note	NSS	O-Ring (Use Item 102)	
52	See Note	NSS	Ring, Back-up (Use Item 102)	
53	See Note	NSS	O-Ring (Use Item 102)	
54	70005260	1	Cover, Servo	
55	See Note	NSS	Gasket, Servo Cover (Use Item 102)	
56	70004892	5	Screw	
57	7007420	1	Plug Assembly	
58	7021268	1	Cover, Servo	
59	See Note	NSS	Gasket, Servo Cover (Use Item 102)	
60	70004892	5	Screw	
61	7007420	2	Plug Assembly	
62	7021281	1	Plate, Valve	
63	70004896	1	Seal Kit - Shaft (Includes Items 5 & 6)	
64	7022351	1	Servo Piston Kit (Includes Items 69 & 70)	
65	7021285	1	Adapter, Remote Filter	
66	See Note	NSS	Gasket, Filter Adapter (Use Item 102)	
67	70004892	7	Screw	
68	7007420	1	Plug Assembly	
69	See Note	NSS	O-Ring (Use Item 102)	
70	See Note	NSS	Ring, Piston (Use Item 102)	
71	7022346	1	Adjuster	
72	7021290	1	Nut	
73	7022347	1	Spring	
74	70004901	1	Poppet	
75	See Note	NSS	O-Ring (Use Item 102)	
76	See Note	NSS	Nut, Seal (Use Item 102)	
77	70005261	1	Relief Valve, Charge (Includes Items 71-75)	
78	70005262	1	Swash Plate	
79	7021234	1	Cam Follower Bearing Assembly (Includes Item 80)	
80	70005263	1	Bearing, Needle	
81	70005264	1	Coupling	
82	7001481	2	Pin	
83	See Note	NSS	Gasket, Charge Pump (Use Item 102)	
84	70004906	8	Screw	
85	70005265	1	Cover, Charge Pump	
86	See Note	NSS	Seal (Use Item 102)	
87	7021229	1	Cover, Flange	
88	7024806	2	Screw	
89	70004909	1	Cylinder Block Kit (Includes Items 90-94)	
90	7021275	3	Pin, Slipper Hold Down	
91	7021276	1	Retainer, Pin	
92	7021277	1	Guide, Retainer	
93	7021278	1	Retainer, Slipper	
94	70004911	9	Piston Assembly	
95	70005266	1	Plug (Includes Item 96)	
96	See Note	NSS	O-Ring (Use Item 102)	
97	70005267	1	Spool, Loop Flushing	
98	70005268	1	Plug (Includes Item 99)	
99	See Note	NSS	O-Ring (Use Item 102)	
100	70005269	1	Spring	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	70005270	1	Poppet	
102	70004899	1	Seal Kit - Complete (Includes Items 5, 6, 12, 28, 50, 51, 52, 53, 55, 59, 66, 70, 75, 76, 83, 86, 96 & 99)	

FIGURE 3-32. PISTON PUMP ASSEMBLY (REAR)

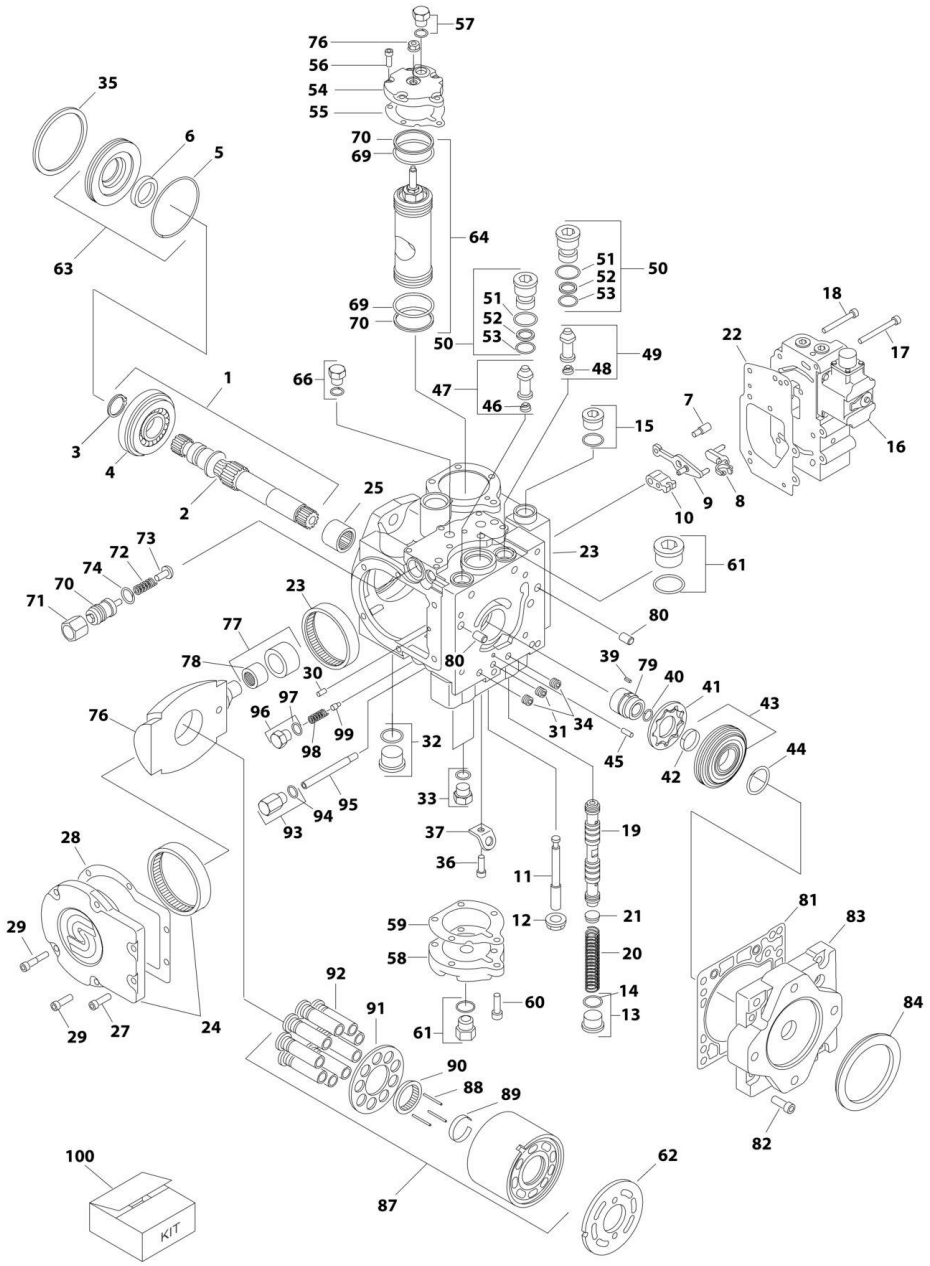


FIGURE 3-32. PISTON PUMP ASSEMBLY (REAR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189236	Ref	PISTON PUMP ASSEMBLY (REAR)	D
1	7022355	1	Shaft Assembly (Includes Items 2-4)	
2	70005271	1	Shaft	
3	7021238	1	Ring, Retaining	
4	7021239	1	Bearing, Roller	
5	See Note	NSS	O-Ring (Use Item 100)	
6	See Note	NSS	Seal, Lip (Use Item 100)	
7	70005245	1	Screw	
8	7022331	1	Link, Control Summing	
9	7022332	1	Link, Control Feedback	
10	7022333	1	Link, Neutral Adjust	
11	70005246	1	Screw, Neutral Adjust	
12	See Note	NSS	Nut, Seal (Use Item 100)	
13	70005247	1	Plug (Includes Item 14)	
14	7022322	1	O-Ring	
15	7022321	1	Plug Assembly	
16	70005248	1	Controller, Electrical	
17	70005249	4	Screw M6 x 50	
18	70005250	3	Screw M6 x 60	
19	7022336	1	Spool Assembly	
20	70005251	1	Spring	
21	70005252	1	Adapter	
22	7022338	1	Gasket, Control	
23	See Note	1	Housing Assembly (Note: Not Available - Purchase Complete Rear Pump Assembly)	
24	7021248	1	Side Cover Assembly	
25	7021249	1	Bearing, Needle	
26	70005253	1	Pin	
27	70004890	2	Screw M6 x 20	
28	See Note	NSS	Gasket, Side Cover (Use Item 100)	
29	70004892	4	Screw M6 x 30	
30	70005254	1	Screen, Filter	
31	70005255	1	Plug	
32	7007419	2	Plug Assembly	
33	7007420	2	Plug	
34	70005255	2	Plug	
35	7021257	1	Ring, Retaining	
36	70004890	1	Screw	
37	7022340	1	Bracket, Lifting	
38	7007419	2	Plug Assembly (Not Shown)	
39	70004893	1	Key	
40	7022341	1	Ring, Retaining	
41	7022357	1	Spacer	
42	7021259	1	Bearing, Journal	
43	70004894	1	Gerotor Cover Assembly (Includes Item 42)	
44	7021262	1	O-Ring	
45	70005257	1	Pin	
46	7024800	1	Spring	
47	70005258	1	Valve, SCR (Includes Item 46)	
48	7024800	1	Spring	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	70005259	1	Valve, SCR (Includes Item 48)	
50	See Note	NSS	Bypass Valve Assembly (Use Item 100)	
51	See Note	NSS	O-Ring (Use Item 100)	
52	See Note	NSS	Ring, Back-up (Use Item 100)	
53	See Note	NSS	O-Ring (Use Item 100)	
54	70005260	1	Cover, Servo	
55	See Note	NSS	Gasket, Servo Cover (Use Item 100)	
56	70004892	5	Screw	
57	7007420	1	Plug Assembly	
58	7021268	1	Cover, Servo	
59	See Note	NSS	Gasket, Servo Cover (Use Item 100)	
60	70004892	5	Screw	
61	7007420	1	Plug Assembly	
62	7021281	1	Plate, Valve	
63	See Note	1	Seal Kit - Shaft (Use Item 100)	
64	See Note	1	Servo Piston Kit (Use Item 100)	
65	7022358	1	Plug Assembly (Not Shown)	
66	7007420	1	Plug Assembly	
67	7007420	1	Plug Assembly (Not Shown)	
68	See Note	NSS	O-Ring (Use Item 100)	
69	See Note	NSS	Ring, Piston (Use Item 100)	
70	7022346	1	Adjuster	
71	7021290	1	Nut	
72	7022347	1	Spring	
73	70004901	1	Poppet	
74	See Note	NSS	O-Ring (Use Item 100)	
75	See Note	NSS	Nut, Seal (Use Item 100)	
76	70005262	1	Swash Plate	
77	7021234	1	Cam Follower Bearing Assembly (Includes Item 78)	
78	70005263	1	Bearing, Needle	
79	70004905	1	Coupling	
80	7001481	2	Pin	
81	See Note	NSS	Gasket, Charge Pump (Use Item 100)	
82	70004906	8	Screw	
83	70004907	1	Cover, Charge Pump	
84	See Note	NSS	Seal (Use Item 100)	
87	70004909	1	Cylinder Block Kit (Includes Items 88-92)	
88	70004910	3	Pin, Slipper Hold Down	
89	7021276	1	Retainer, Pin	
90	7021277	1	Guide, Retainer	
91	7021278	1	Retainer, Slipper	
92	70004911	9	Piston Assembly	
93	70005266	1	Plug (Includes Item 94)	
94	See Note	NSS	O-Ring (Use Item 100)	
95	70005267	1	Spool, Loop Flushing	
96	70005268	1	Plug (Includes Item 97)	
97	See Note	NSS	O-Ring (Use Item 100)	
98	70005269	1	Spring	
99	70005270	1	Poppet	
100	70004899	1	Seal Kit - Complete (Includes Items 5, 6, 12, 28, 50, 52, 53, 55, 59, 63, 64, 68, 69, 74, 75, 81, 84, 94 & 97)	

FIGURE 3-33. PUMP COUPLING KIT

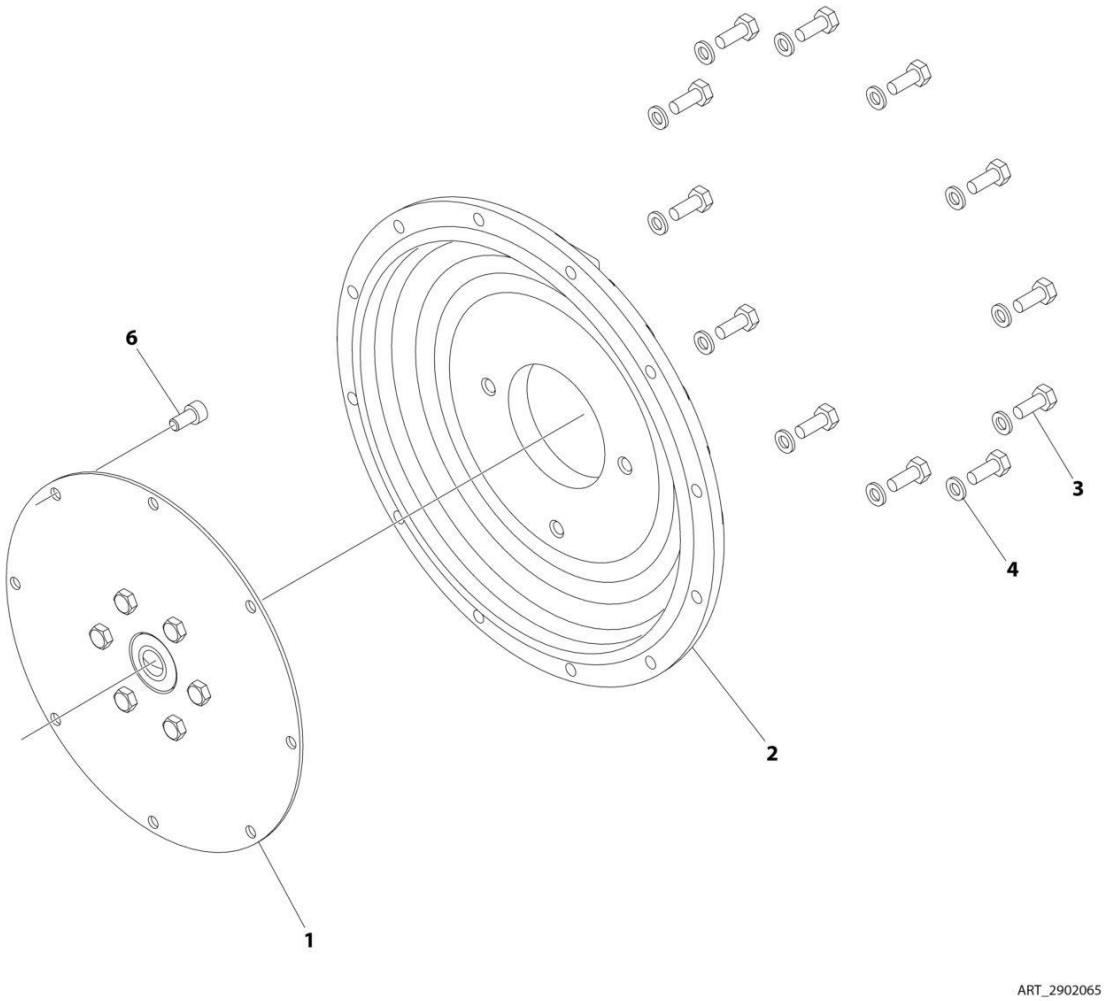


FIGURE 3-33. PUMP COUPLING KIT

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 3-34. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE

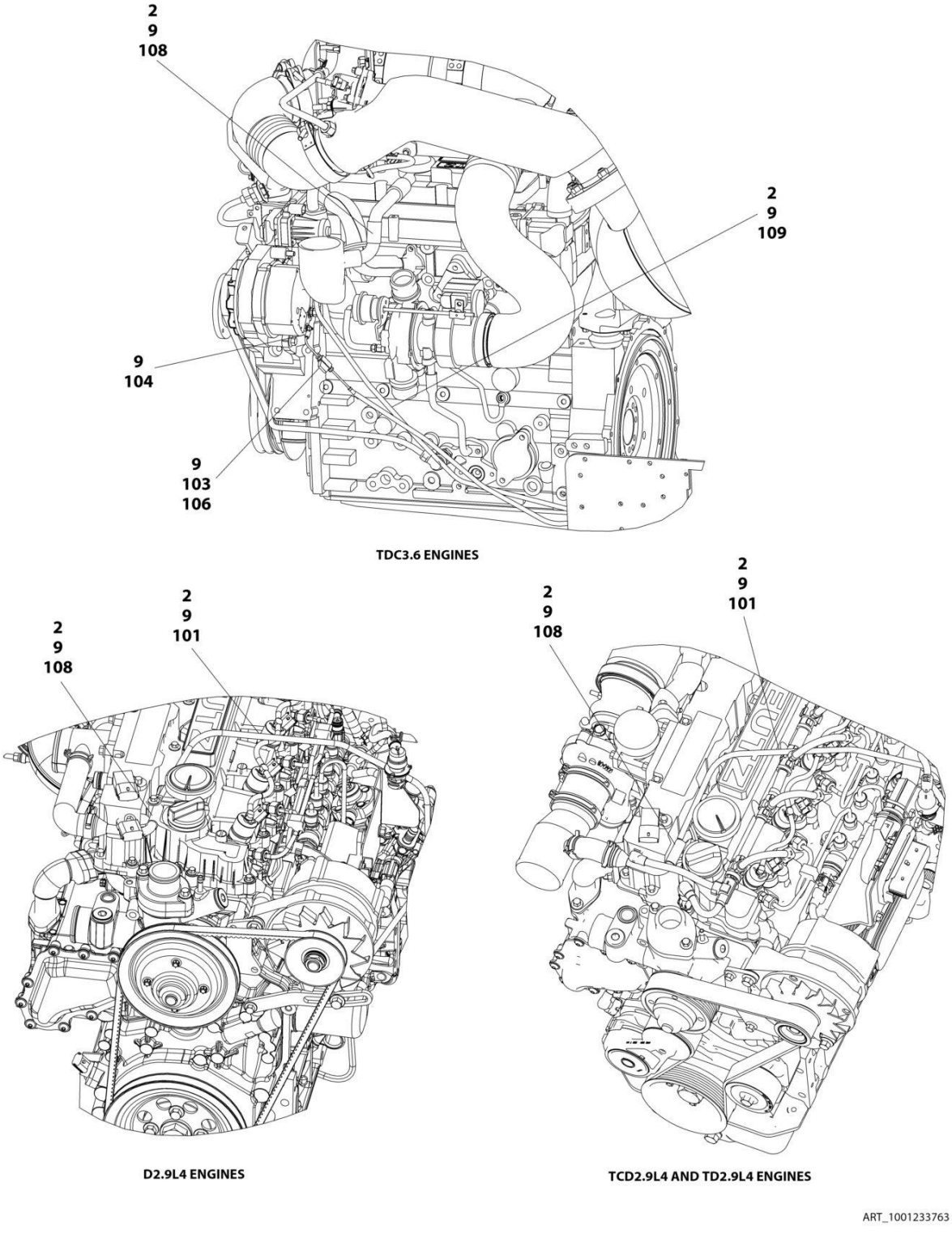


FIGURE 3-34. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE

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 3-35. ENGINE BAFFLE INSTALLATION

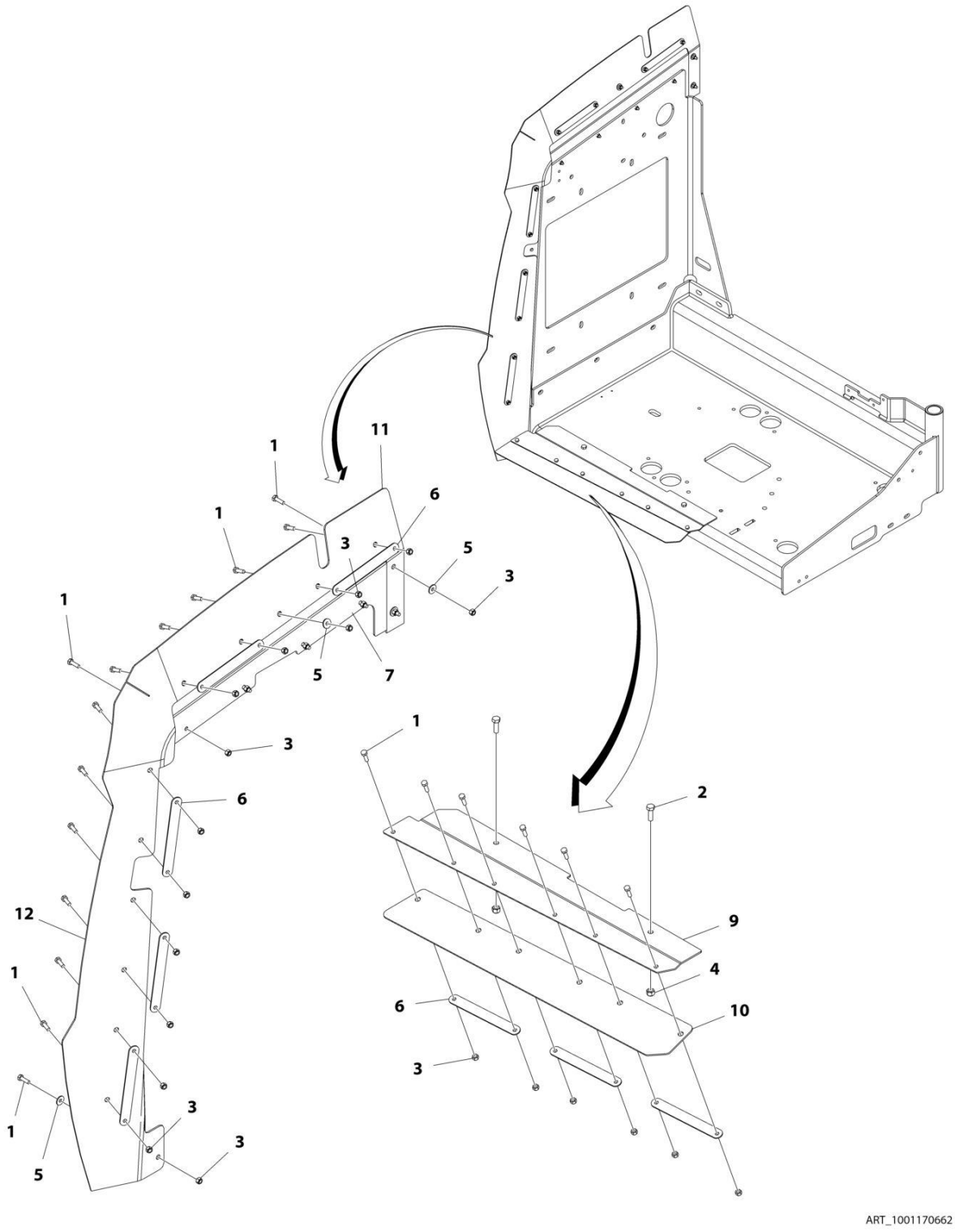


FIGURE 3-35. ENGINE BAFFLE INSTALLATION

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 3-36. ENGINE BAFFLE INSTALLATION - STEEL

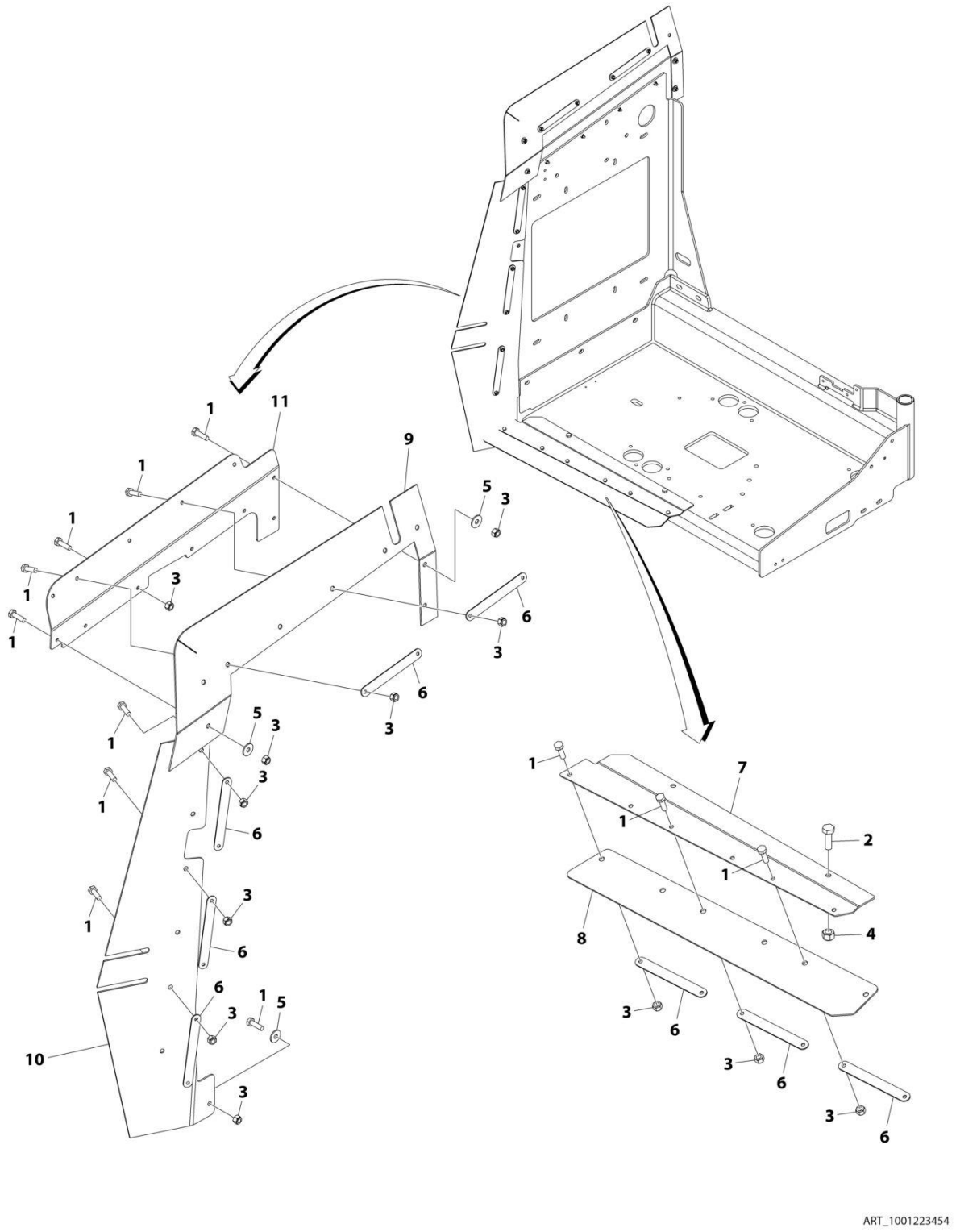


FIGURE 3-36. ENGINE BAFFLE INSTALLATION - STEEL

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 3-37. ENGINE TRAY JACK

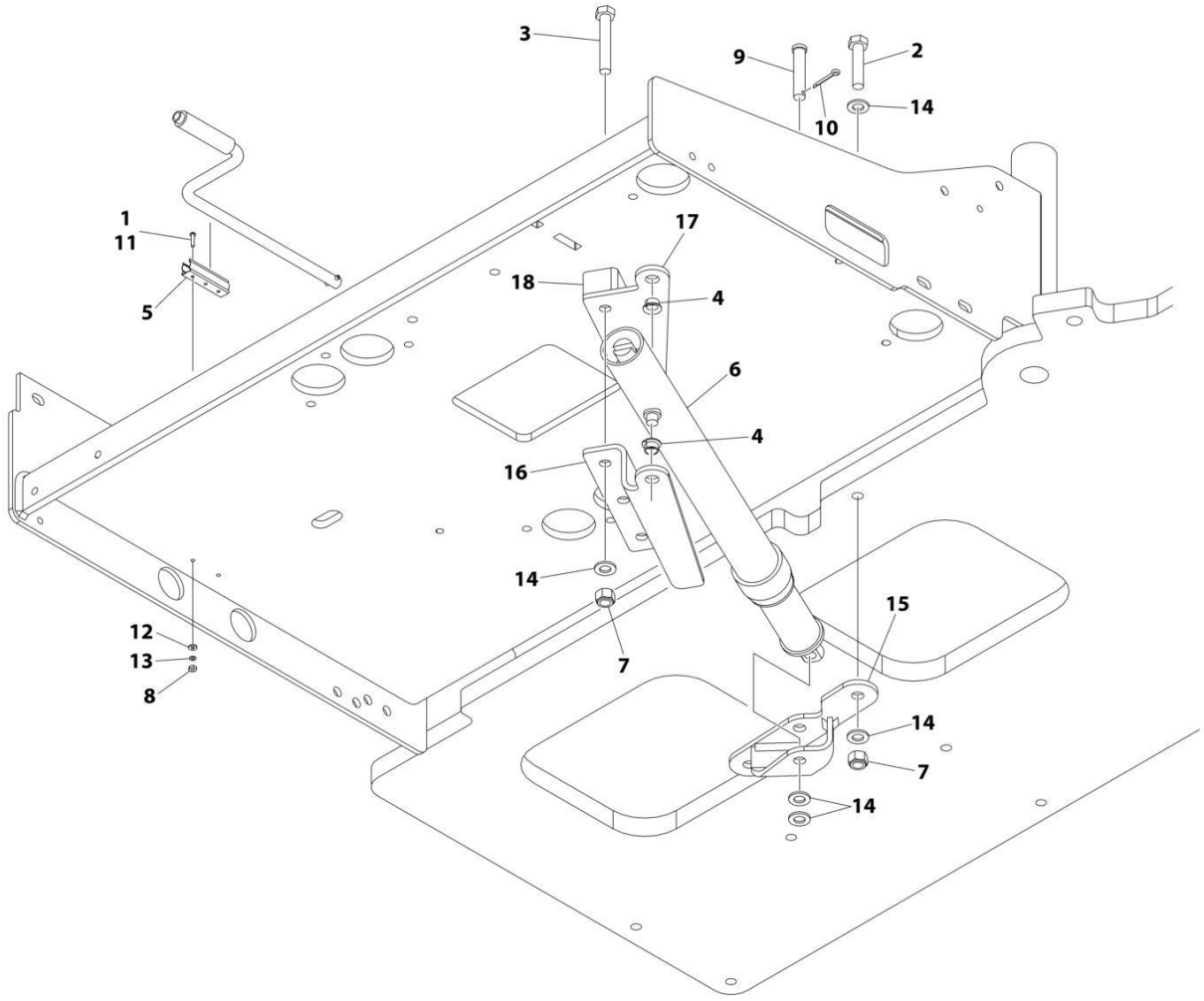


FIGURE 3-37. ENGINE TRAY JACK

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 3-38. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)

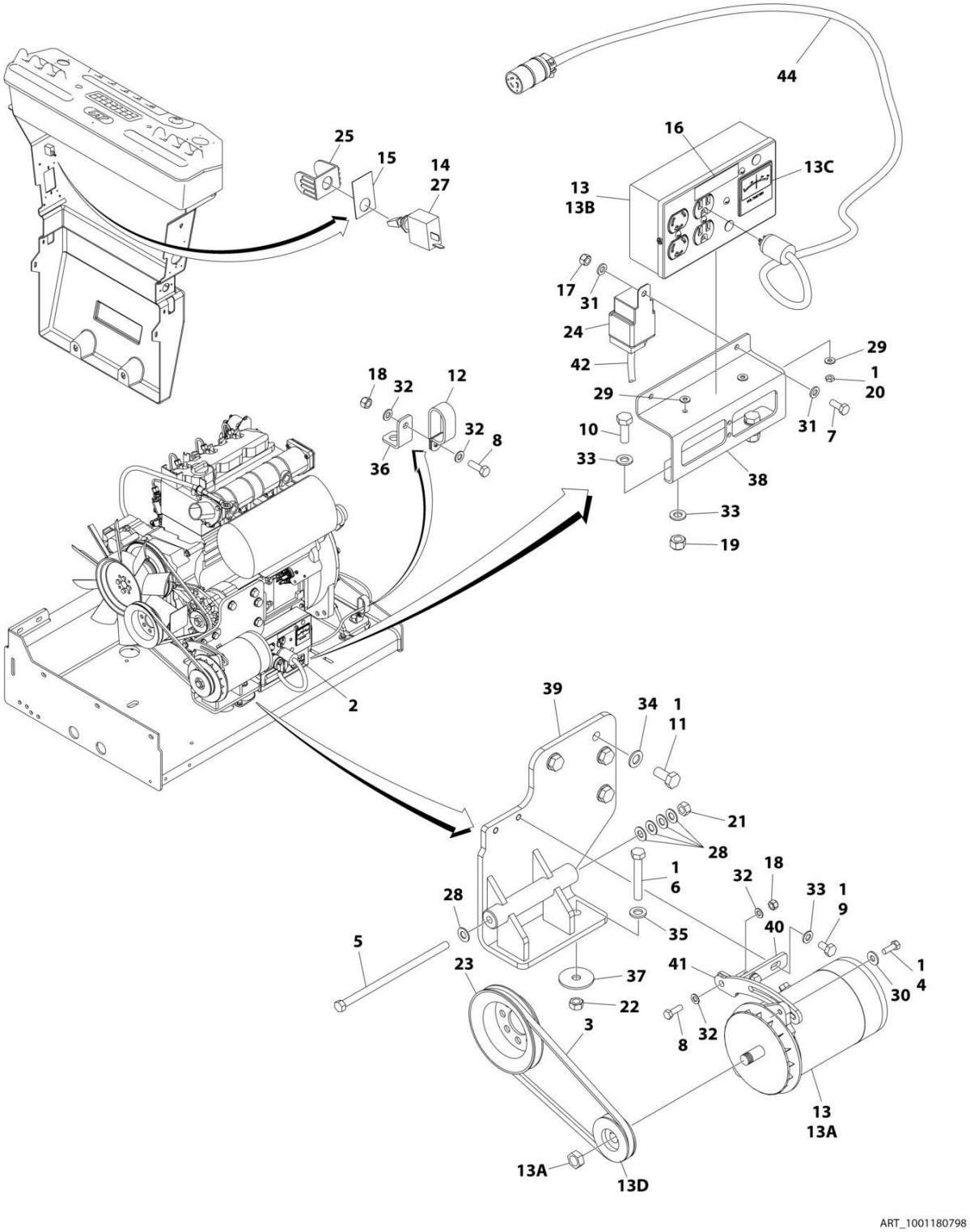


FIGURE 3-38. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)

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	

SECTION 3 - ENGINE

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 3-39. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

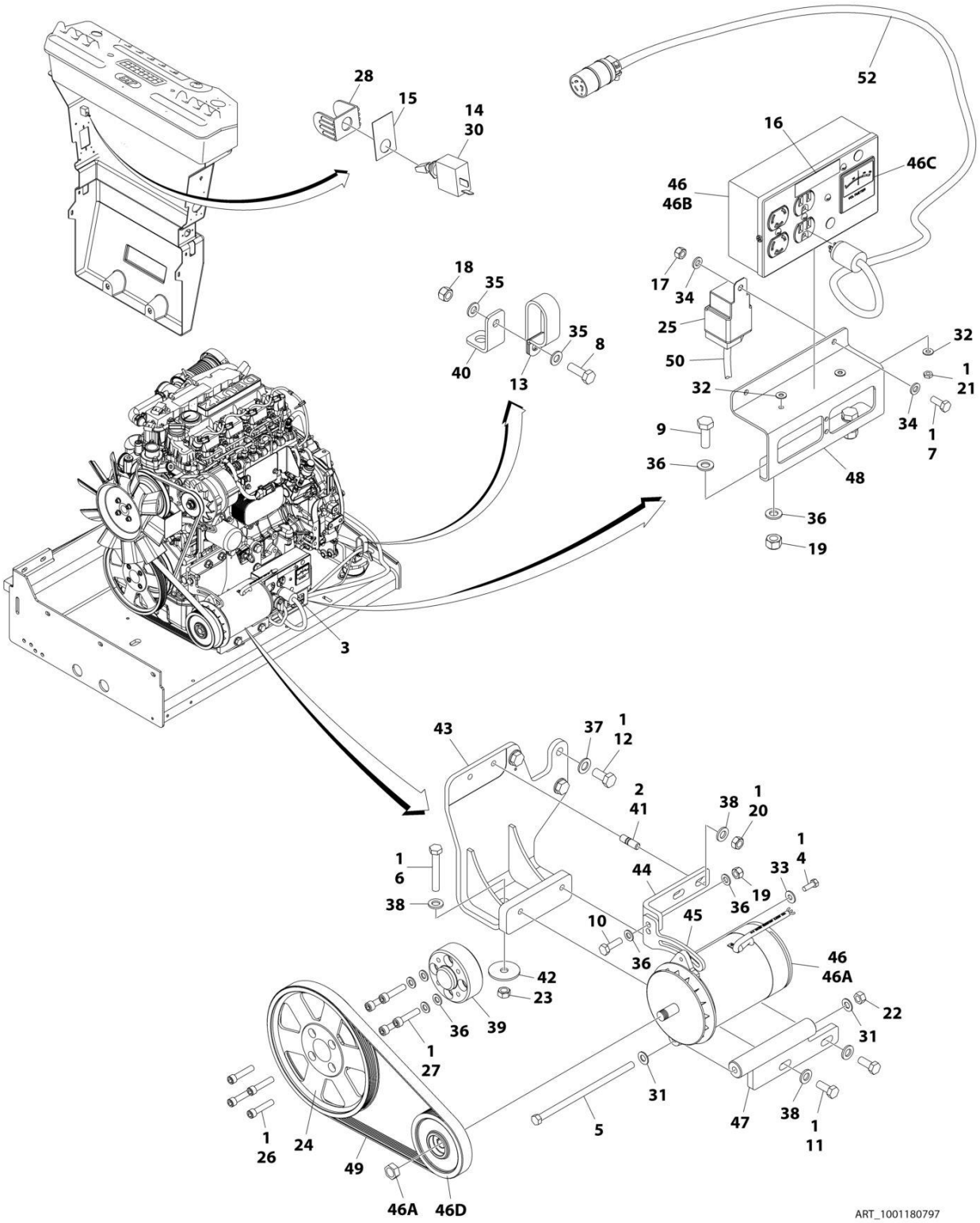


FIGURE 3-39. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

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	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46A	7012513	3	Cap, Brush Holder	
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 3-40. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)

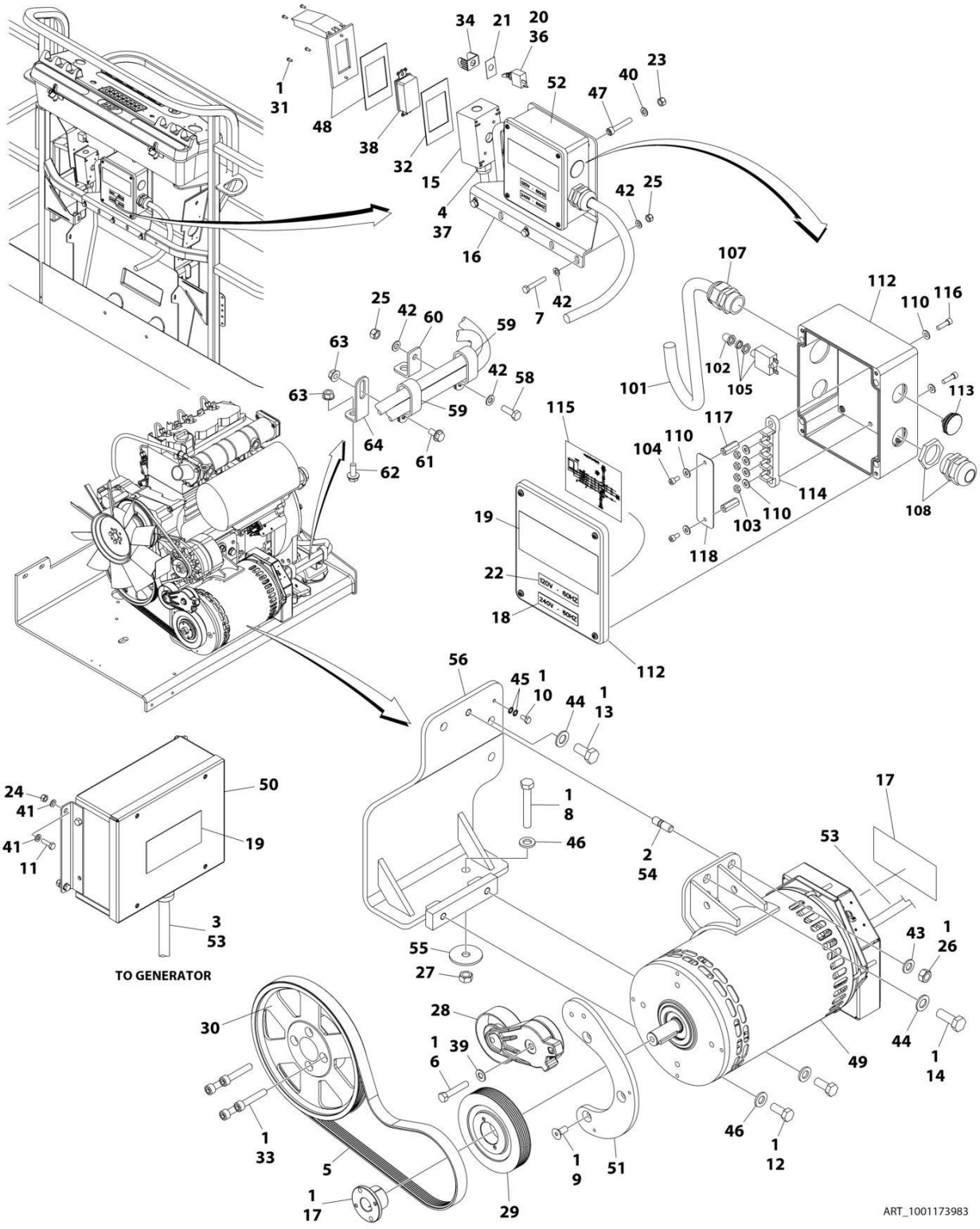


FIGURE 3-40. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)

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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001110873	1	Shield, Cover	
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 3-41. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT, CE & UK CA (LRC) SPECS)

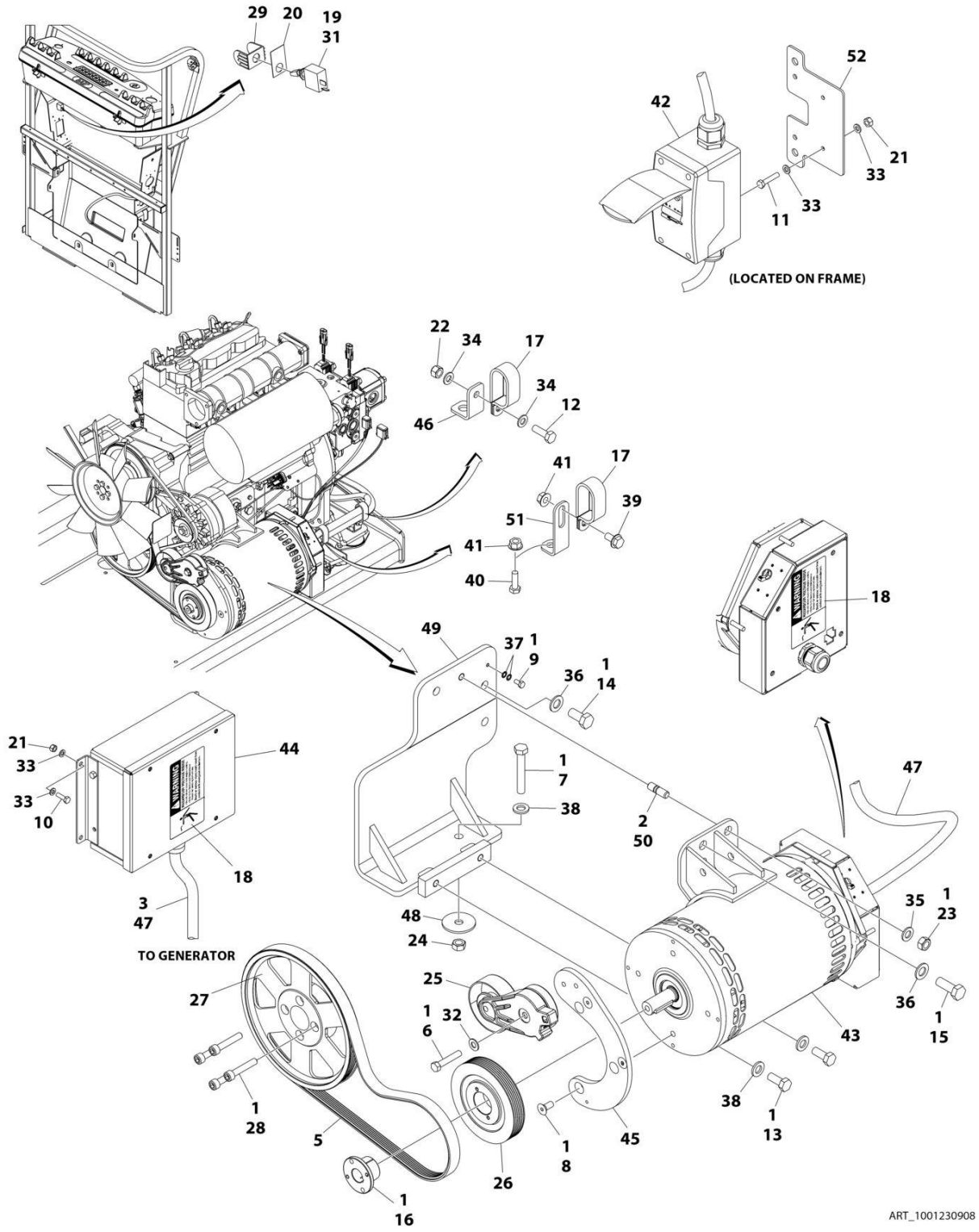


FIGURE 3-41. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT, CE & UK CA (LRC) SPECS)

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 3-42. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

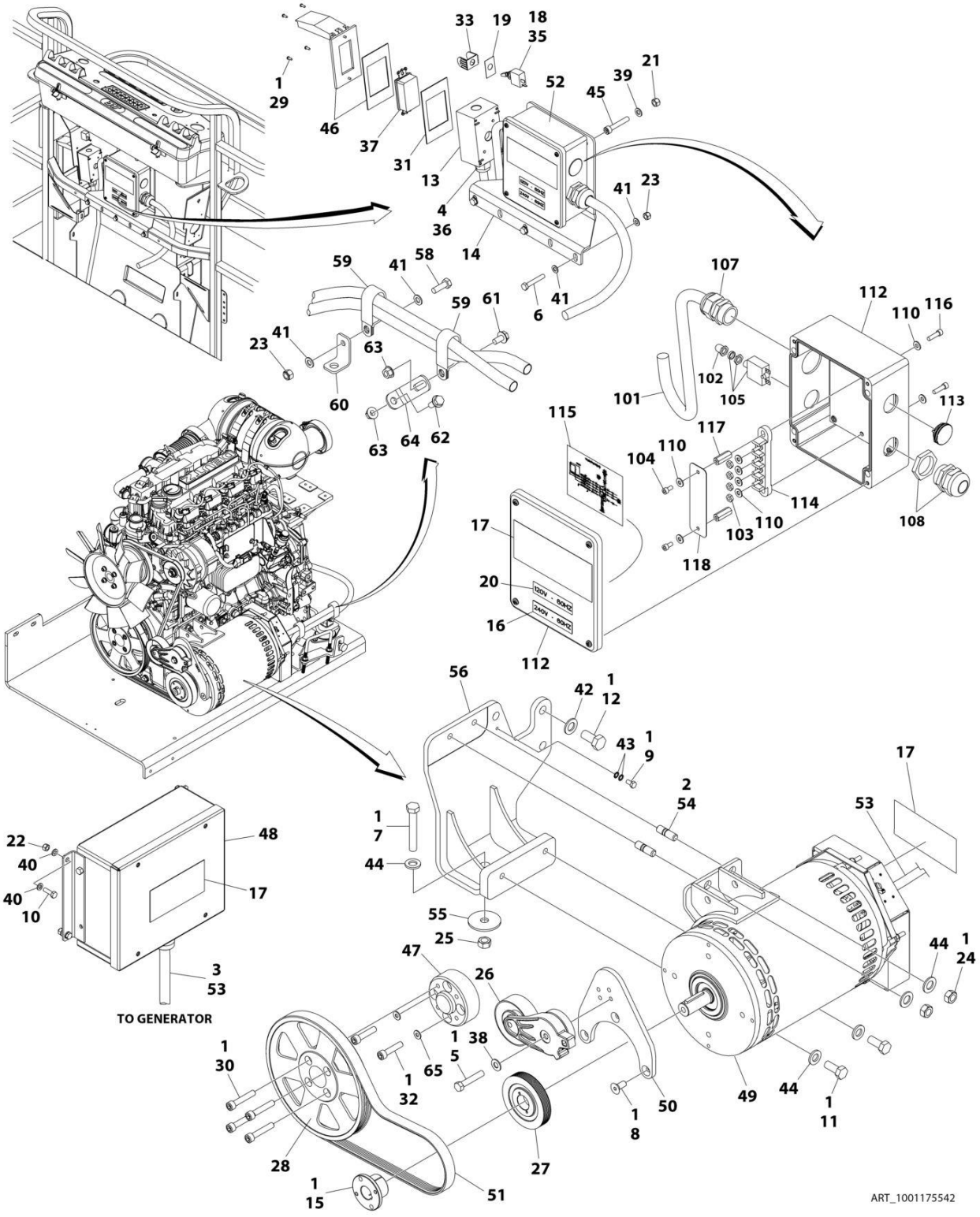


FIGURE 3-42. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

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	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001138566	1	Box, Control	
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 3-43. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ (STAGE V) ENGINE) (CE & UK CA SPEC)

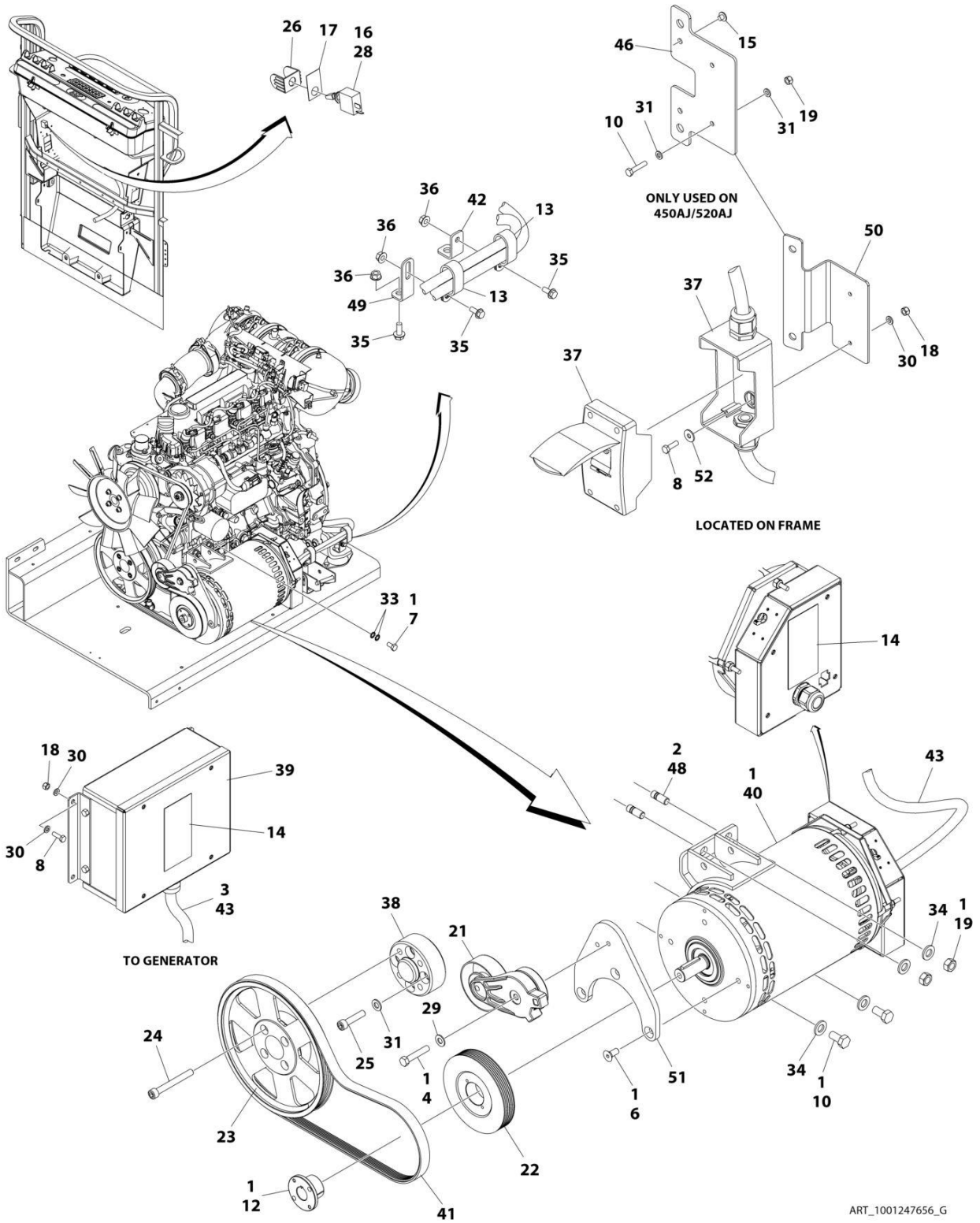


FIGURE 3-43. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ (STAGE V) ENGINE) (CE & UK CA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247656	Ref	GENERATOR INSTALLATION - 4000W/50HZ	G
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641616	1	Bolt 3/8 x 2	
6	0741607	3	Screw 3/8 x 7/8	
7	0760606	1	Bolt M6 x 12	
8	0760610	AR	Bolt M6 x 20	
10	0761212	2	Bolt M12 x 25	
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	
21	3580317	1	Pulley	
22	3580319	1	Pulley	
23	1001281192	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	AR	Washer M6	
31	4812000	4	Washer M14	
33	4871700	2	Washer M6	
34	5241200	4	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	1001258800	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	
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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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)	
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	AR	Washer M6	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	4922641	1	Generator Switch Harness (Not Shown)	

FIGURE 3-44. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)

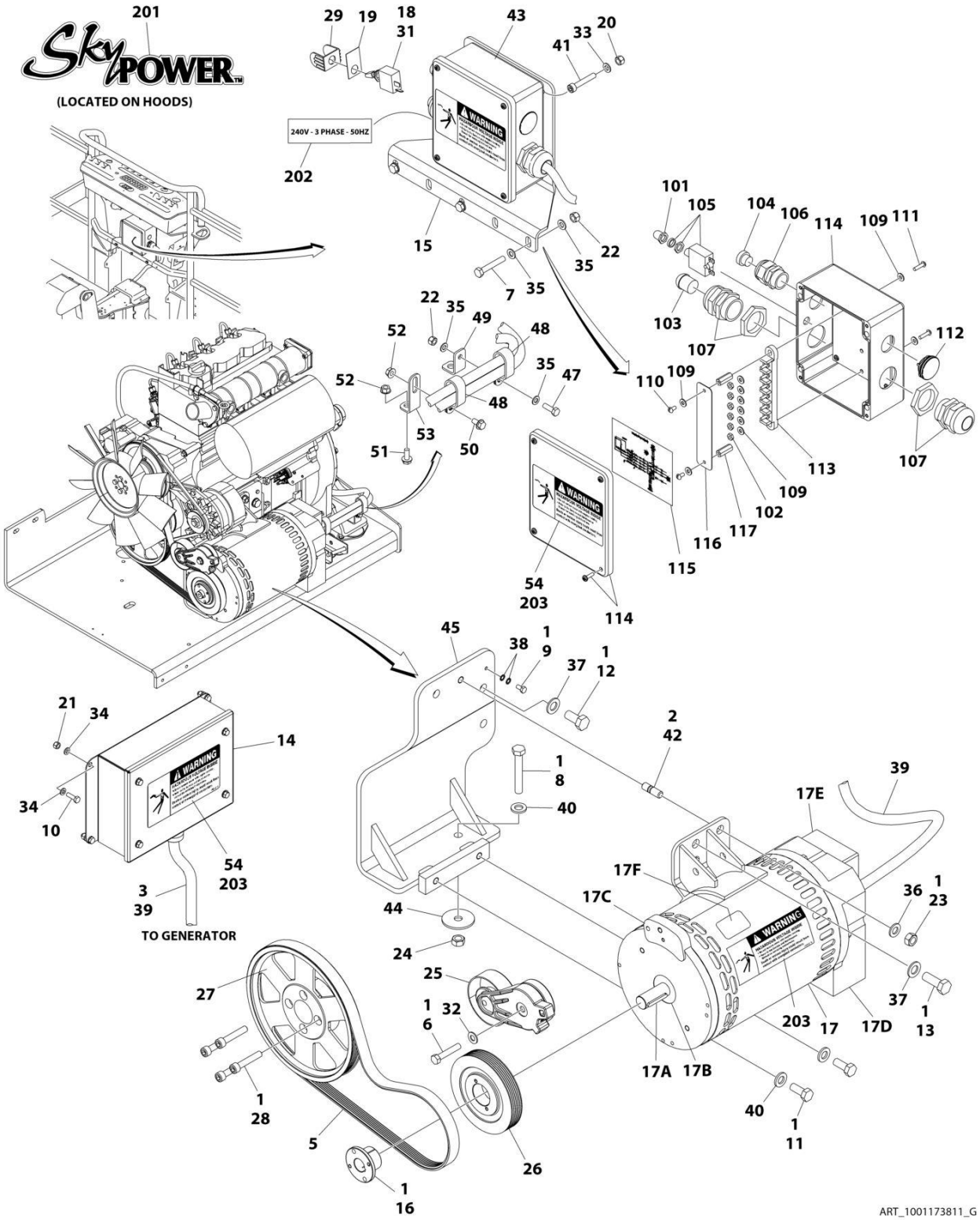


FIGURE 3-44. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173811	Ref	GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE)	G
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	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	3252764	1	Nameplate	
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	
54	1705489	2	Decal - Hazardous Voltage	
	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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase - 50Hz	
203	1705489	3	Decal - Hazardous Voltage	

FIGURE 3-45. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)

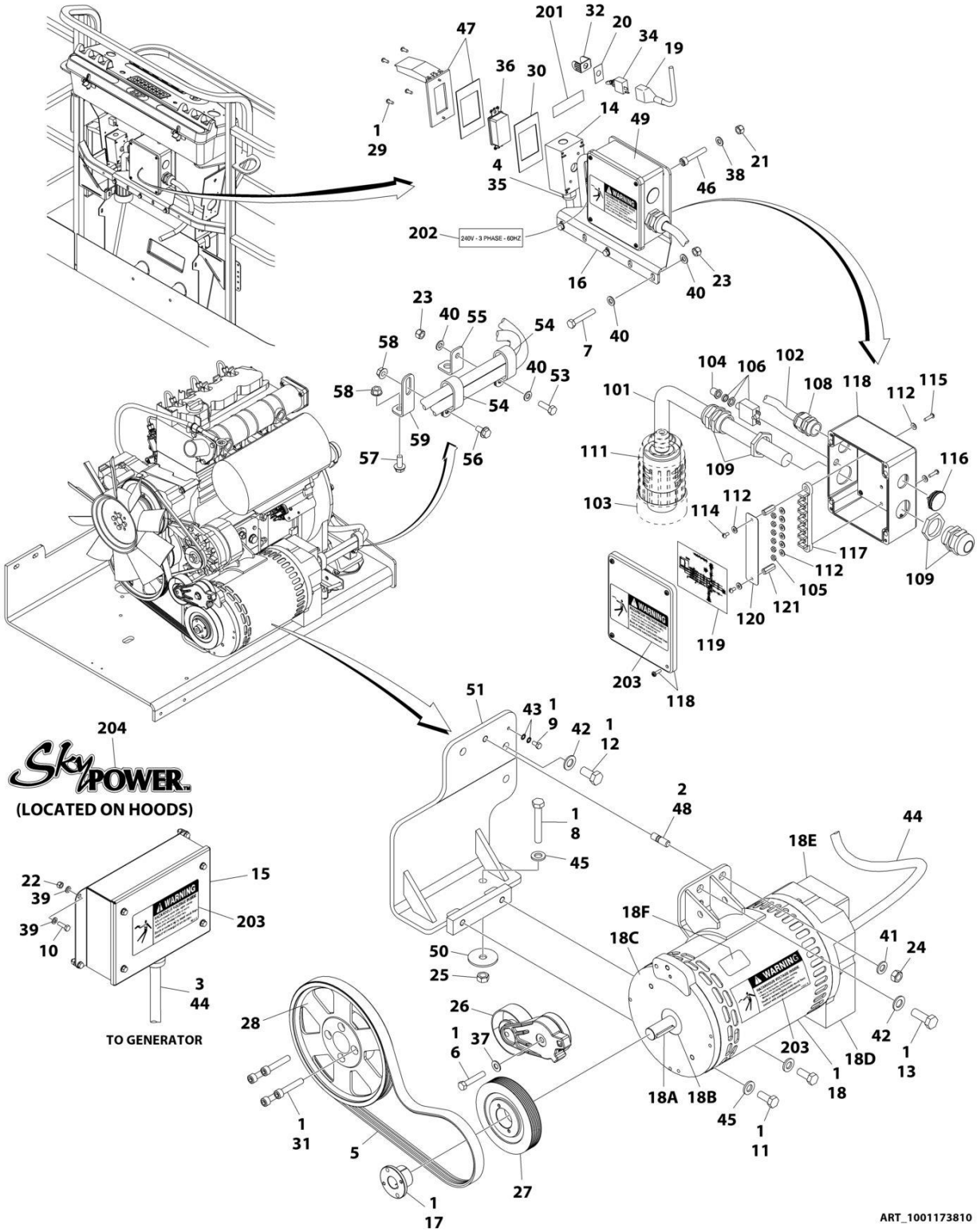


FIGURE 3-45. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)

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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	2820031	AR	Heat Shrink	
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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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 3-46. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

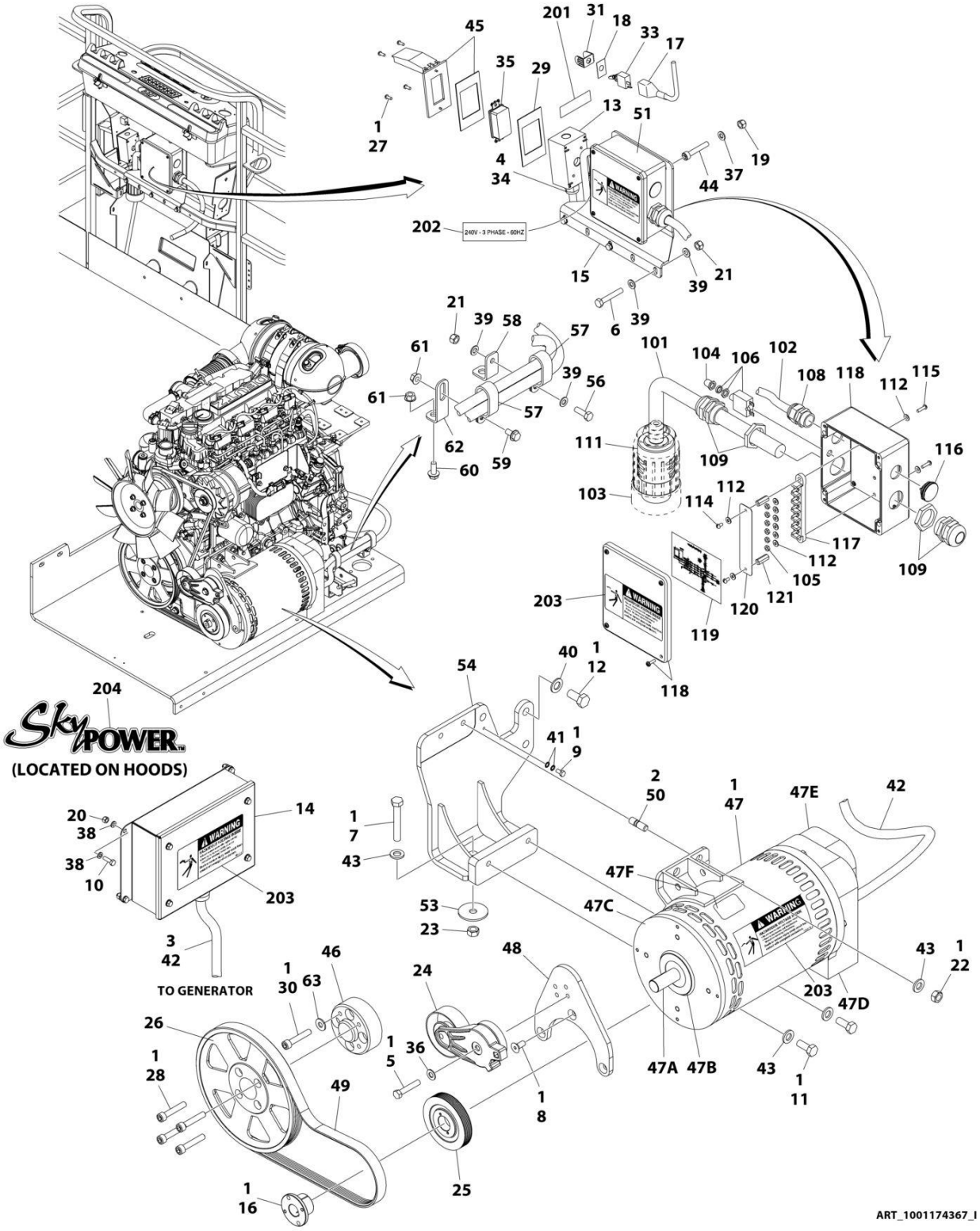


FIGURE 3-46. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

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)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	See Note	NSS	Socket, Female (Use with 4460225)	
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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	
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 3-47. OIL COOLER INSTALLATION - DEUTZ D2011 ENGINES (ANSI EXPORT, CE & UK CA (LRC) SPECS)

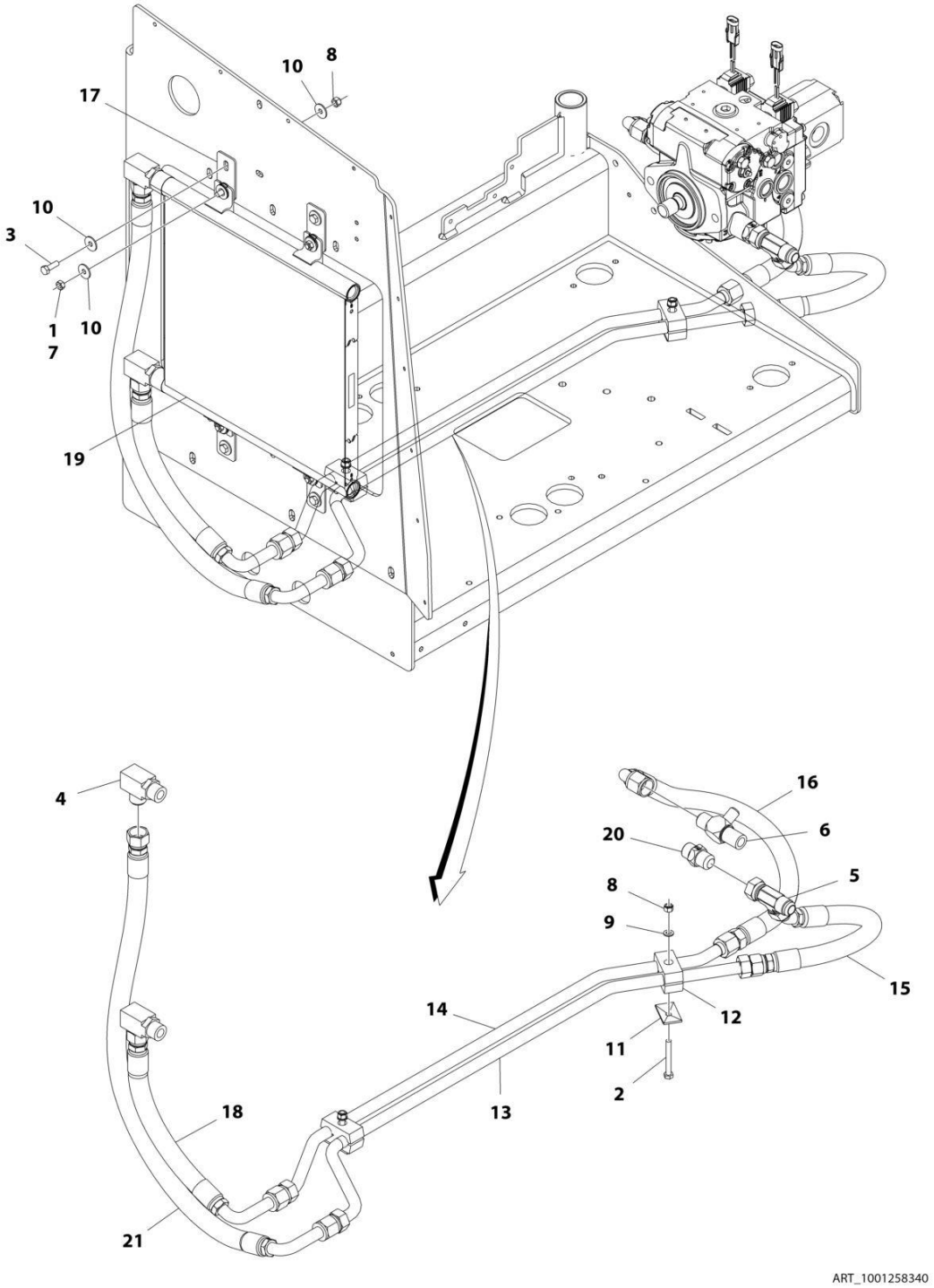


FIGURE 3-47. OIL COOLER INSTALLATION - DEUTZ D2011 ENGINES (ANSI EXPORT, CE & UK CA (LRC) SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258340	Ref	OIL COOLER INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0700821	2	Bolt M8 x 65	
3	0760812	4	Bolt M8 x 25	
4	2220578	2	Fitting, 90 JIC/ORB	
5	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
6	2221063	1	Fitting, Tee JIC/ORB/JIC	
7	3290801	4	Nut M8 x 1.25	
8	3290805	6	Nut, Lock M8 x 1.25	
9	4811900	2	Washer M8	
10	4811902	12	Washer M8	
11	8769128	2	Cover Plate, Twin	
12	8769139	2	Clamp Set	
13	1001164487	1	Tube, Hydraulic Oil Cooler	
14	1001164489	1	Tube, Hydraulic Oil Cooler	
15	1001164491	1	Hose	
16	1001164492	1	Hose	
17	1001166338	4	Bracket, Mount	
18	1001173657	1	Hose	
19	1001177523	1	Radiator, Hyd Oil Cooler	
20	1001179156	1	Valve, Check	
21	1001179440	1	Hose	

FIGURE 3-48. OIL COOLER INSTALLATION - DEUTZ D2.9L4 ENGINES/DEUTZ D2.9L4 (STAGE V) ENGINES (ANSI, ANSI EXPORT, CE, CSA, JAPAN & UK CA SPECS)

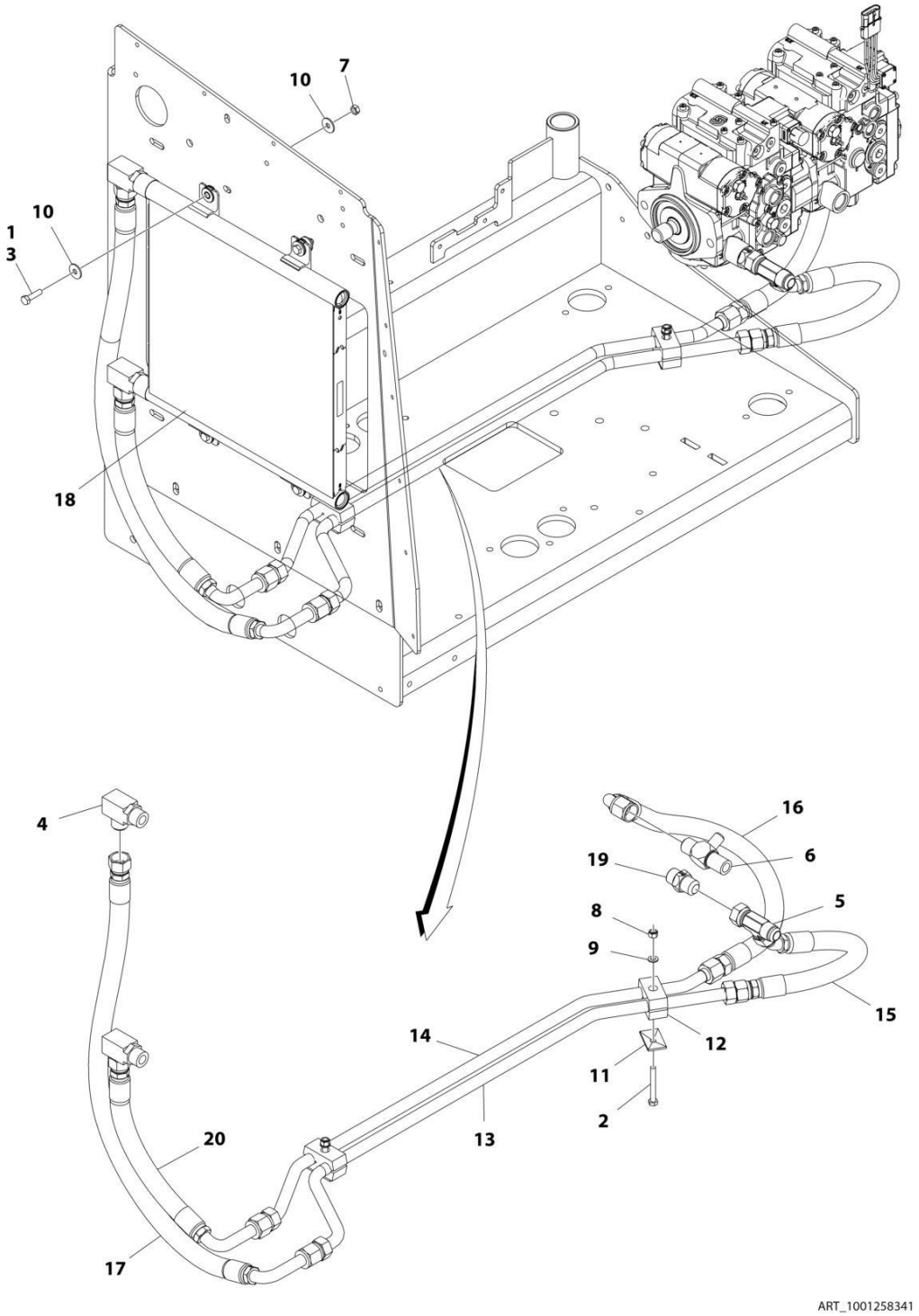
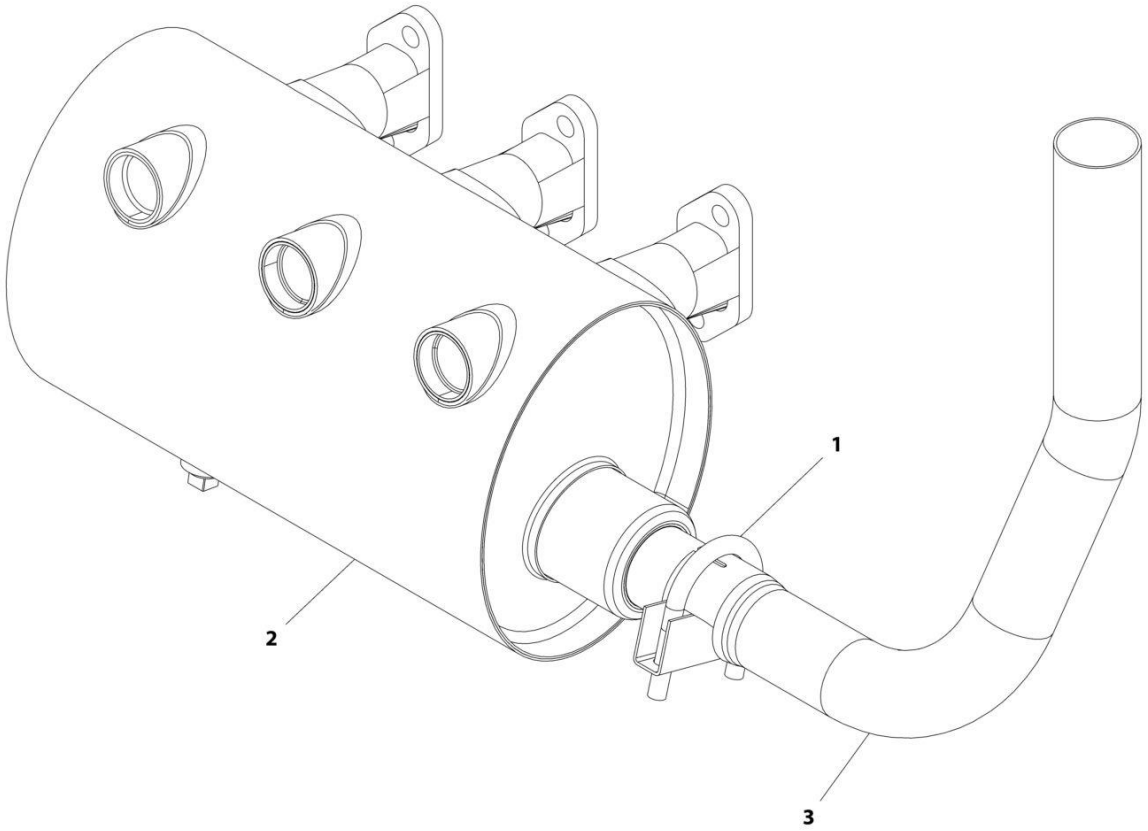


FIGURE 3-48. OIL COOLER INSTALLATION - DEUTZ D2.9L4 ENGINES/DEUTZ D2.9L4 (STAGE V) ENGINES (ANSI, ANSI EXPORT, CE, CSA, JAPAN & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258341	Ref	OIL COOLER INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0700821	2	Bolt M8 x 65	
3	0760814	4	Bolt M8 x 30	
4	2220578	2	Fitting, 90 JIC/ORB	
5	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
6	2221063	1	Fitting, Tee JIC/ORB/JIC	
7	3290801	4	Nut M8 x 1.25	
8	3290805	2	Nut M8	
9	4811900	2	Washer M8	
10	4811902	8	Washer M8	
11	8769128	2	Cover Plate, Twin	
12	8769139	2	Clamp Set	
13	1001164487	1	Tube, Hydraulic Oil Cooler	
14	1001164489	1	Tube, Hydraulic Oil Cooler	
15	1001164491	1	Hose	
16	1001164492	1	Hose	
17	1001173656	1	Hose	
18	1001177523	1	Radiator, Hydraulic Oil Cooler	
19	1001179156	1	Valve, Check	
20	1001179426	1	Hose	

FIGURE 3-49. SPARK ARRESTOR INSTALLATION - ANSI EXPORT SPECS



ART_1001175071

FIGURE 3-49. SPARK ARRESTOR INSTALLATION - ANSI EXPORT SPECS

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	

SECTION 4 - BOOM

FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION (400SC)

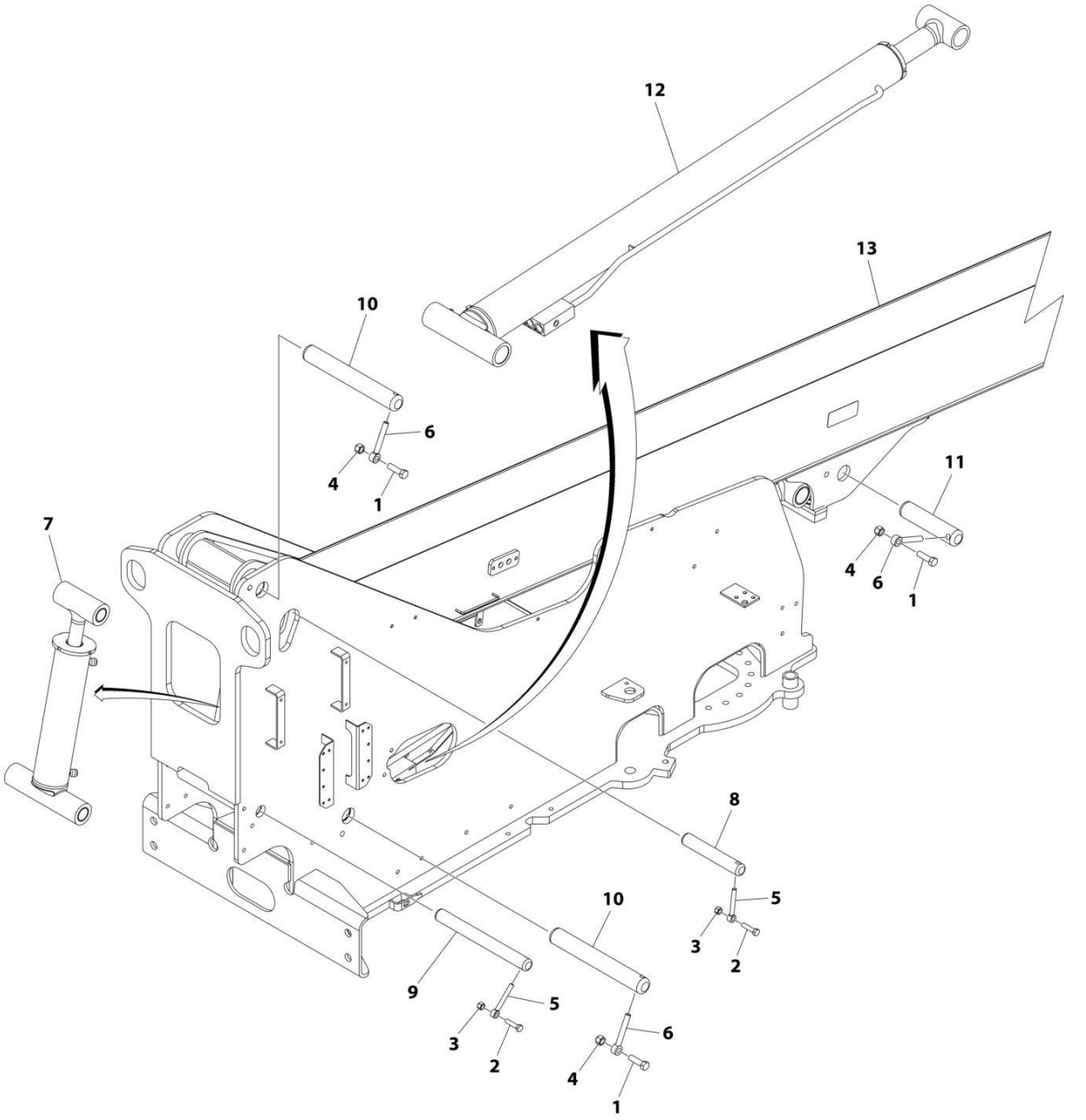


FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244873	Ref	BOOM AND CYLINDERS INSTALLATION	A
1	0701619	3	Bolt, M16 x 55	
2	0761218	2	Bolt, M12 x 50	
3	3291205	2	Nut, Lock M12 x 1.75	
4	3291605	3	Nut, Lock M16 x 2	
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	2	Pin	
11	1001168854	1	Pin	
12	1001228092	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
13	1001244874	1	Main Boom Assembly (See Separate Breakdown in this Section)	

FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION (460SJC)

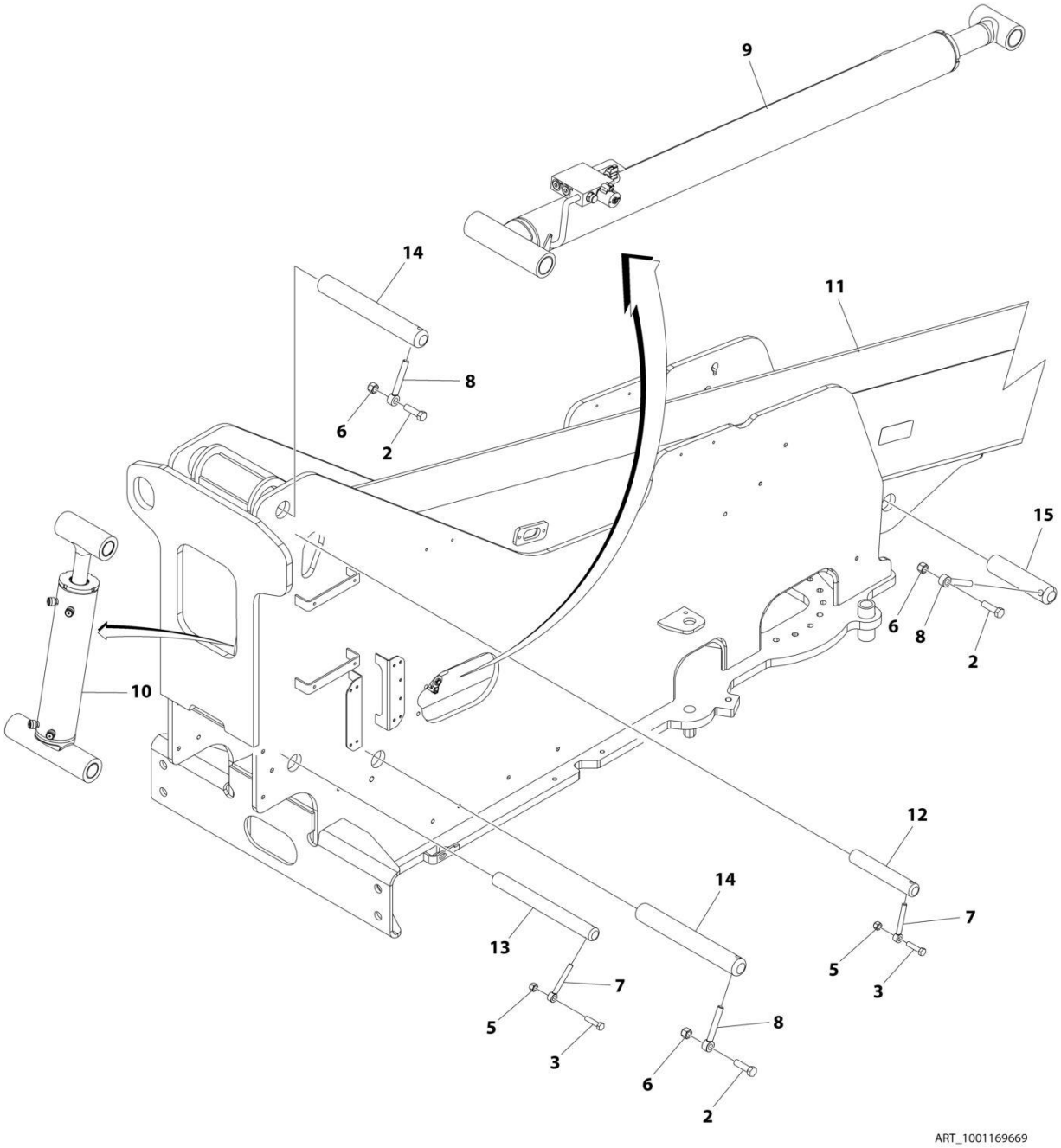


FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169669	Ref	BOOM AND CYLINDERS INSTALLATION	H
2	0701619	3	Bolt M16 x 55	
3	0761218	2	Bolt M12 x 50	
5	3291205	2	Nut M12 x 1.75	
6	3291605	3	Nut M16 x 2	
7	3841203	2	Keeper, Pin	
8	3841258	3	Keeper, Pin	
9	1001228092	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
10	1001163385	1	Master Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
11	1001163482	1	Main Boom Assembly (See Separate Breakdown in this Section)	
12	1001168843	1	Pin	
13	1001168844	1	Pin	
14	1001168845	2	Pin	
15	1001168854	1	Pin	

FIGURE 4-3. MAIN BOOM ASSEMBLY (400SC)

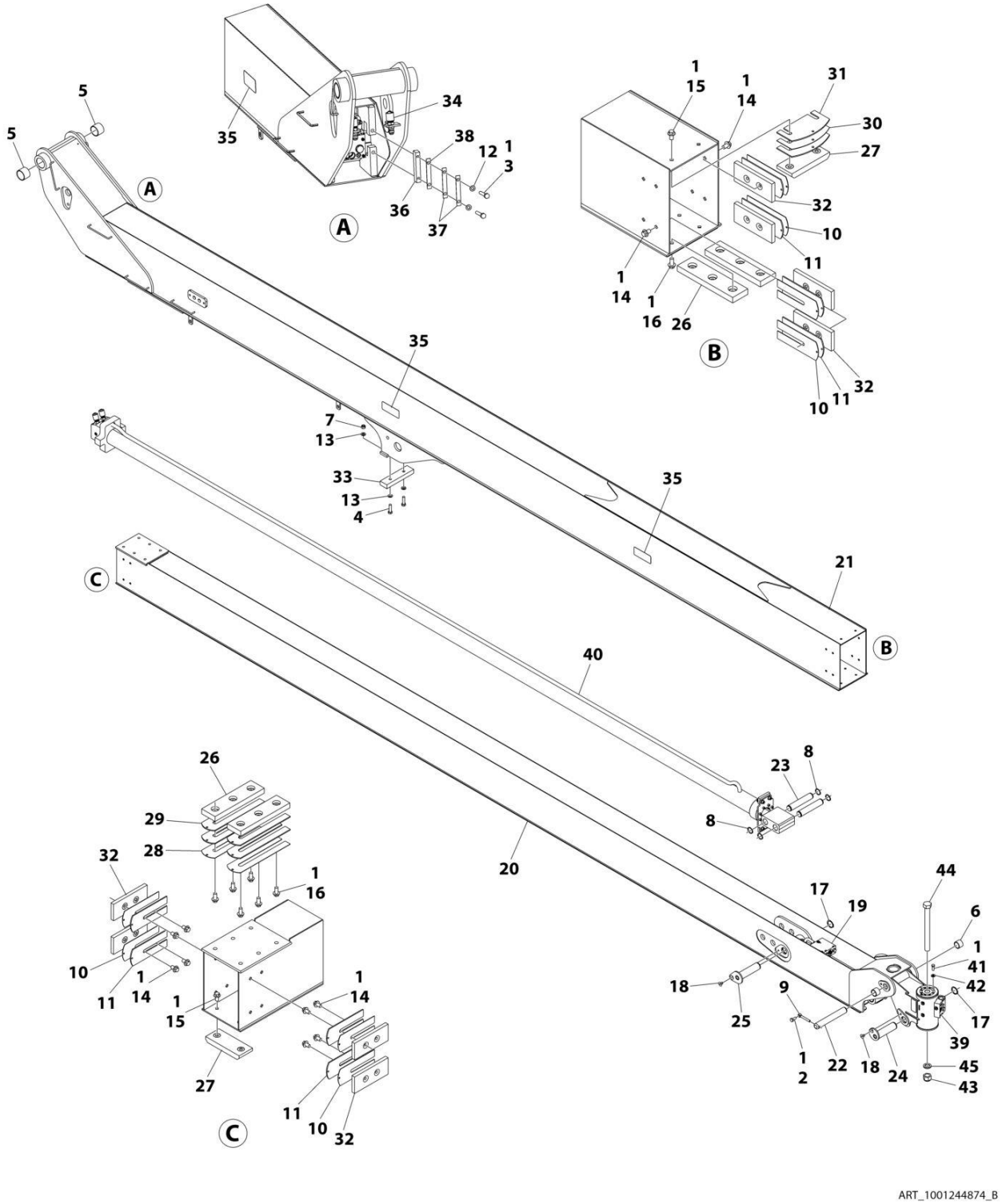


FIGURE 4-3. MAIN BOOM ASSEMBLY (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244874	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	1001163470	1	Base, Boom	
22	1001168841	1	Pin	
23	1001168842	2	Pin	
24	1001168848	1	Pin	
25	1001168849	1	Pin	
26	1001169284	4	Pad	
27	1001169285	2	Pad	
28	1001169286	AR	Shim	
29	1001169287	AR	Shim	
30	1001169288	AR	Shim	
31	1001169289	AR	Shim	
32	1001169380	8	Pad	
33	1001171067	1	Pad	
34	1001171112	2	Hose	
35	1001171324	4	Cover	
36	1001171667	2	Bar	
37	1001171966	AR	Shim 20 Ga	
38	1001171967	AR	Shim 16 Ga	
39	1001307724	1	Platform Rotator Assembly (See Separate Breakdown in this Section)	
40	1001251075	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
41	0681608	8	Bolt 3/8 x 1	
42	4891600	8	Washer 3/8	
43	1001174040	1	Nut	
44	1001255133	1	Bolt 1 x 11	
45	4892600001	1	Washer 1	

FIGURE 4-4. MAIN BOOM ASSEMBLY (460SJC)

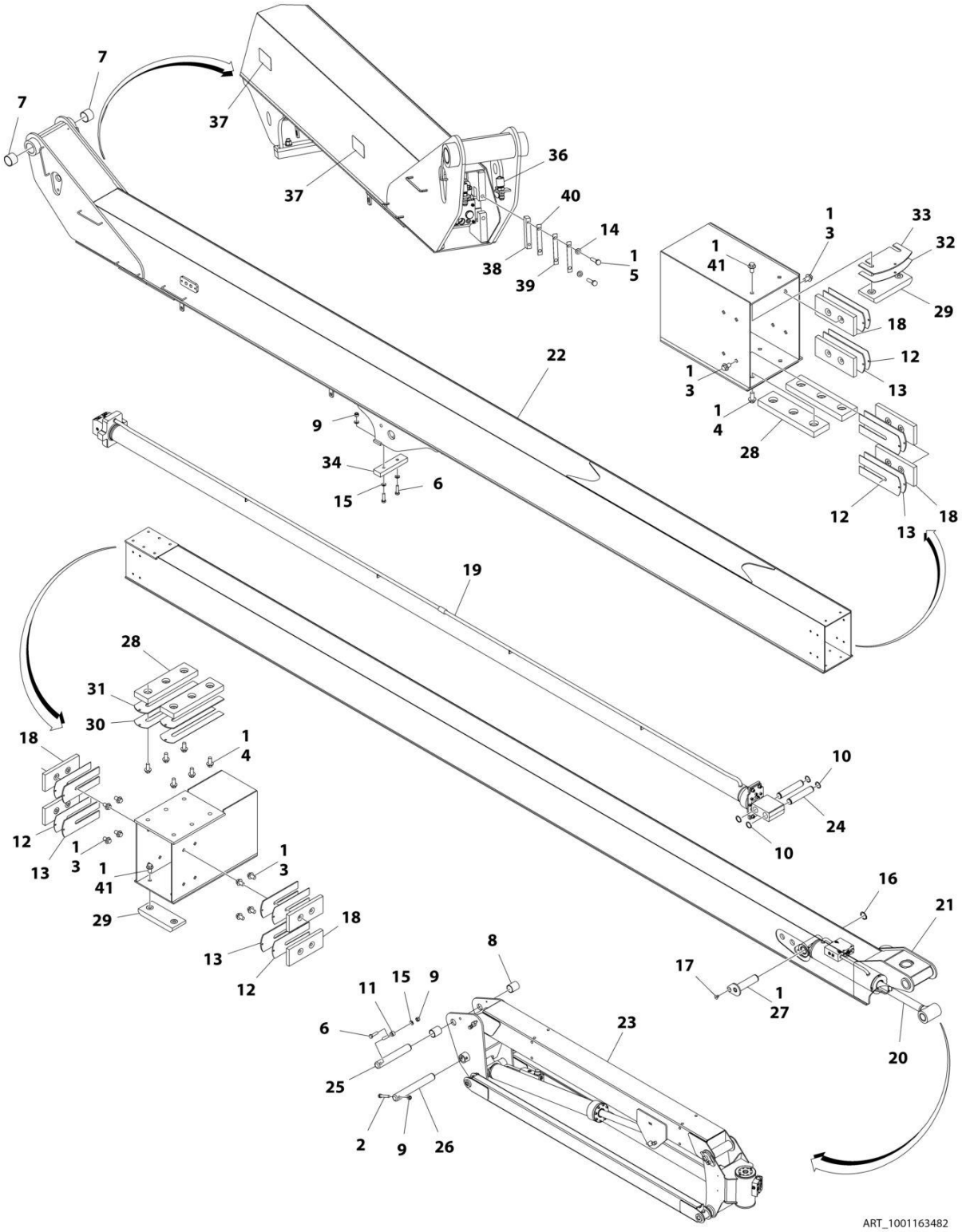


FIGURE 4-4. MAIN BOOM ASSEMBLY (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163482	Ref	MAIN BOOM ASSEMBLY	J
1	0100011	AR	Compound, Locking	
2	0701222	1	Bolt M12 x 70	
3	5251008	16	Bolt M10 x 16	
4	5251011	12	Bolt M10 x 22	
5	0761019	4	Bolt M10 x 55	
6	0761217	3	Bolt M12 x 45	
7	0961950	2	Bearing	
8	0962348	2	Bearing	
9	3291205	4	Nut M12 x 1.75	
10	3760133	4	Ring, Retaining	
11	3841203	1	Keeper, Pin	
12	4070897	AR	Shim, 18Ga	
13	4070898	AR	Shim, 11Ga	
14	4812000	4	Washer, M10	
15	4812100	5	Washer, M12	
16	1001099560	1	Ring, Retaining	
17	1001137032	1	Screw M10 x 16	
18	1001169380	8	Pad	
19	1001251075	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
20	1001163386	1	Level (Platform Slave) Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
21	1001163483	1	Fly, Boom	
22	1001163492	1	Base, Boom	
23	1001247048	1	Jib Boom Assembly (See Separate Breakdown in this Section)	
24	1001168842	2	Pin	
25	3422793	1	Pin	
26	1001168847	1	Pin	
27	1001168849	1	Pin	
28	1001169284	4	Pad	
29	1001169285	2	Pad	
30	1001169286	AR	Shim	
31	1001169287	AR	Shim	
32	1001169288	AR	Shim	
33	1001169289	AR	Shim	
34	1001171067	1	Pad	
36	1001171112	2	Hose	
37	1001171324	2	Cover	
38	1001171667	2	Bar	
39	1001171966	AR	Shim, 20Ga	
40	1001171967	AR	Shim, 16Ga	
41	5251009	4	Bolt M10 x 18	

FIGURE 4-5. JIB BOOM ASSEMBLY (460SJC)

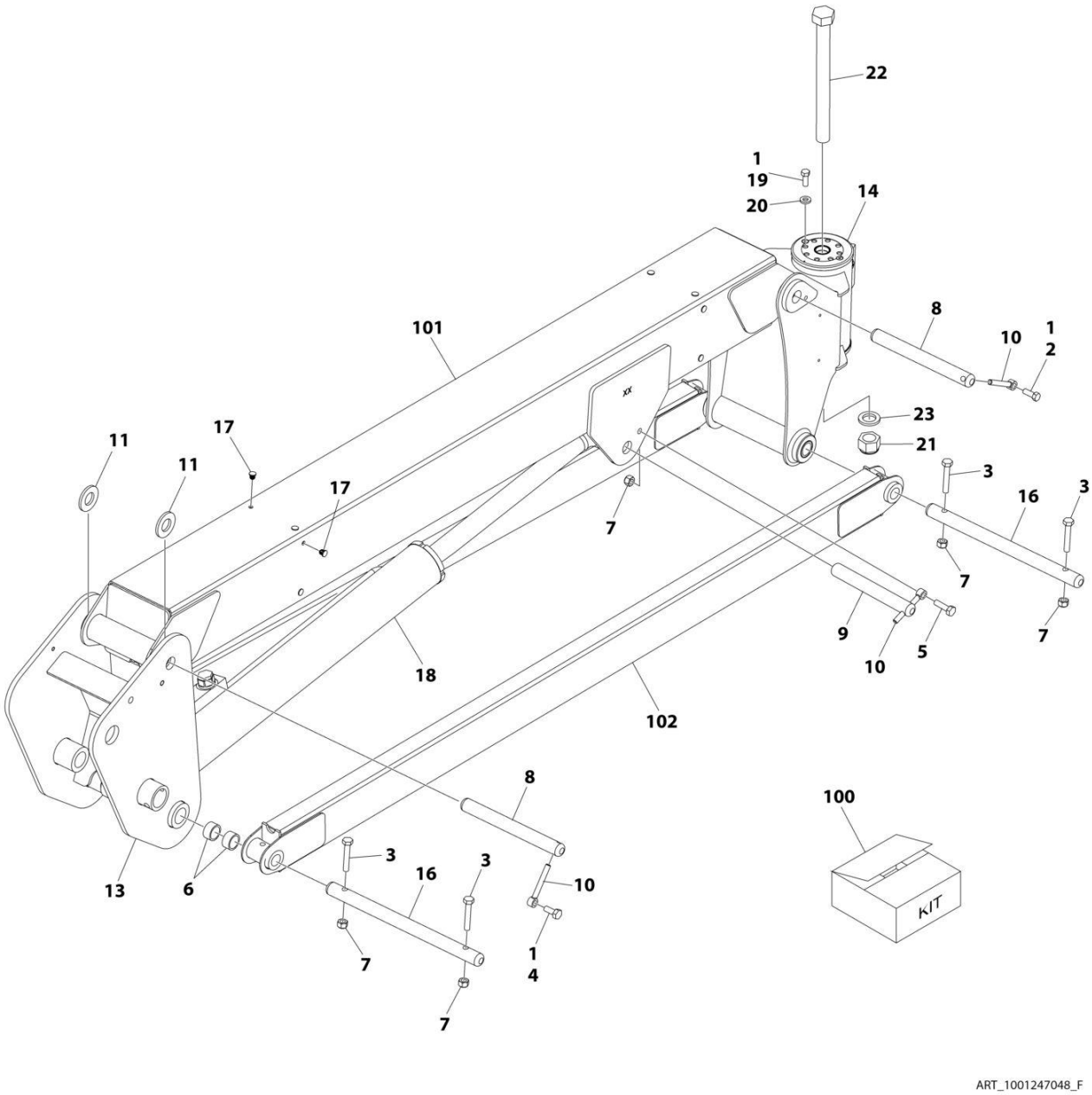


FIGURE 4-5. JIB BOOM ASSEMBLY (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247048	Ref	JIB BOOM ASSEMBLY	F
1	0100011	AR	Compound, Locking	
2	0641608	1	Bolt 3/8 x 1	
3	0701020	4	Bolt M10 x 60	
4	0761012	1	Bolt M10 x 25	
5	0761015	1	Bolt M10 x 35	
6	0961947	4	Bearing	
7	3291005	5	Nut M10	
8	3422860	2	Pin	
9	3422867	1	Pin	
10	3841143	3	Keeper, Pin	
11	4740439	2	Washer, Thrust	
13	1001165567	1	Pivot	
14	1001307715	1	Rotator Assembly (See Separate Breakdown in this Section)	
16	3422861	2	Pin	
17	1001223899	8	Fastener	
18	1001251012	1	Lift Cylinder Assembly - Jib (See Separate Breakdown in CYLINDER Section)	
19	0681608	8	Bolt 3/8 x 1	
20	4891600	8	Washer 3/8	
21	1001174040	1	Nut	
22	1001255133	1	Bolt 1 x 11	
23	4892600001	1	Washer 1	
100	1001295242	1	Tube Kit	A
101	4844816	1	Tube, Top	
101	0962335	4	Bushing	
102	4844817	2	Tube, Bottom	

FIGURE 4-6. PLATFORM ROTATOR ASSEMBLY (400SC)

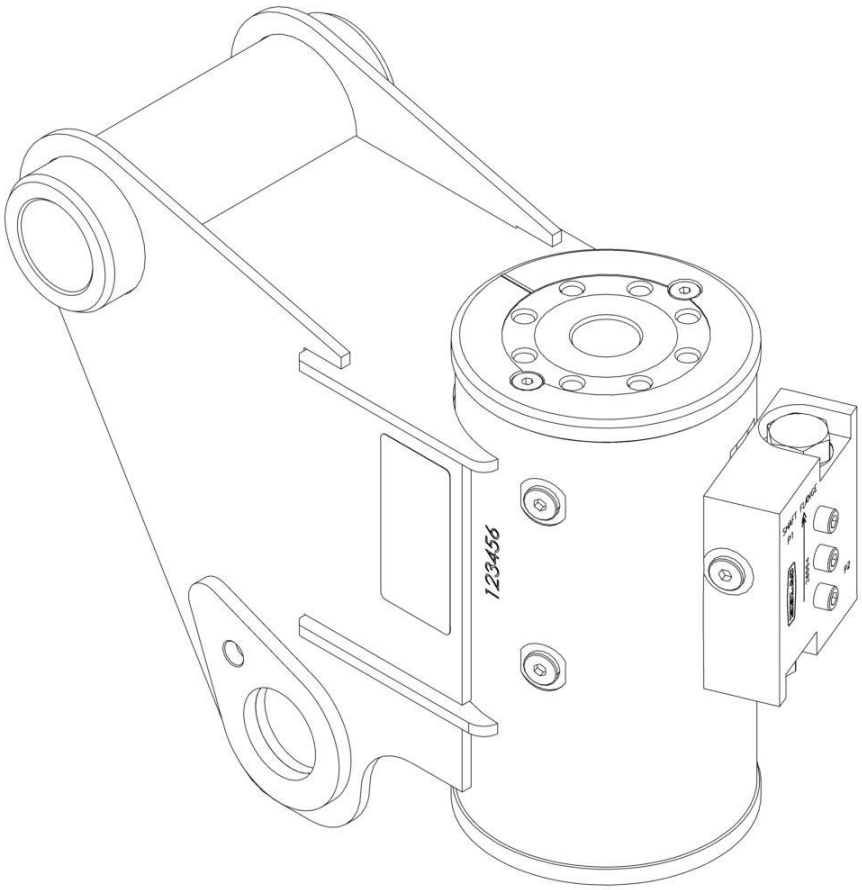


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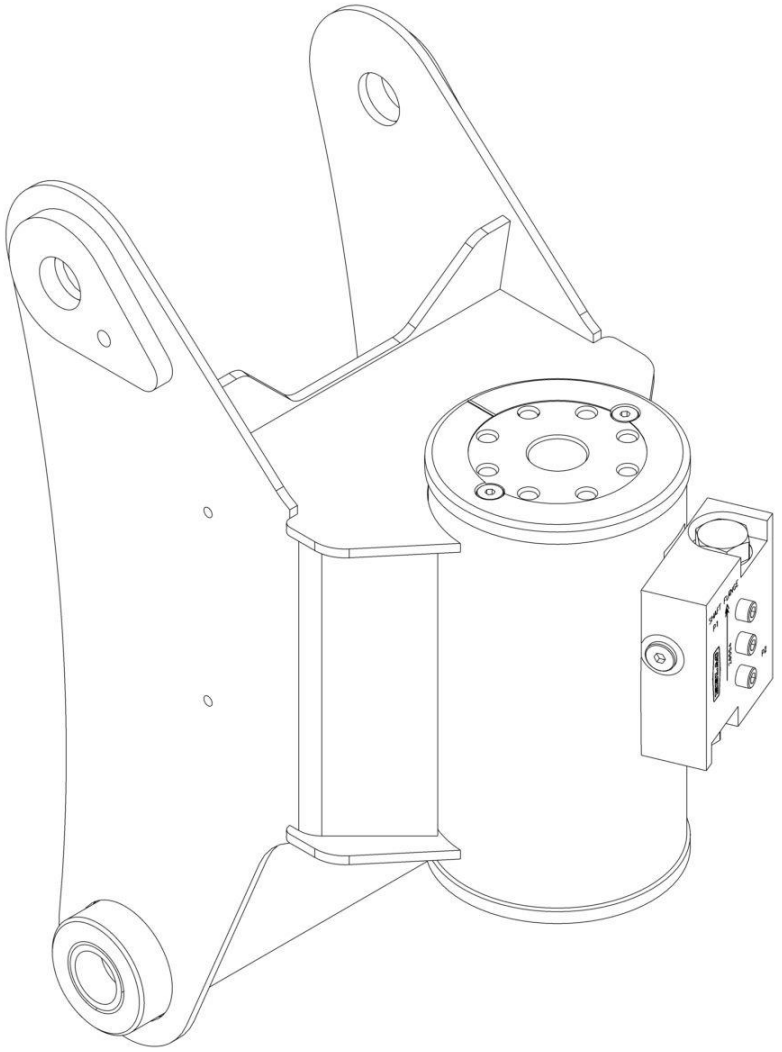
FIGURE 4-6. PLATFORM ROTATOR ASSEMBLY (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307724	Ref	PLATFORM ROTATOR ASSEMBLY	A
	See Note	NSS	Note: No Service Parts Available at Time of Printing	

FIGURE 4-7. PLATFORM ROTATOR ASSEMBLY (460SJC)



ART_1001307715

FIGURE 4-7. PLATFORM ROTATOR ASSEMBLY (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307715	Ref	PLATFORM ROTATOR ASSEMBLY	A
	See Note	NSS	Note: No Service Parts Available at Time of Printing	

FIGURE 4-8. BOOM REST INSTALLATION

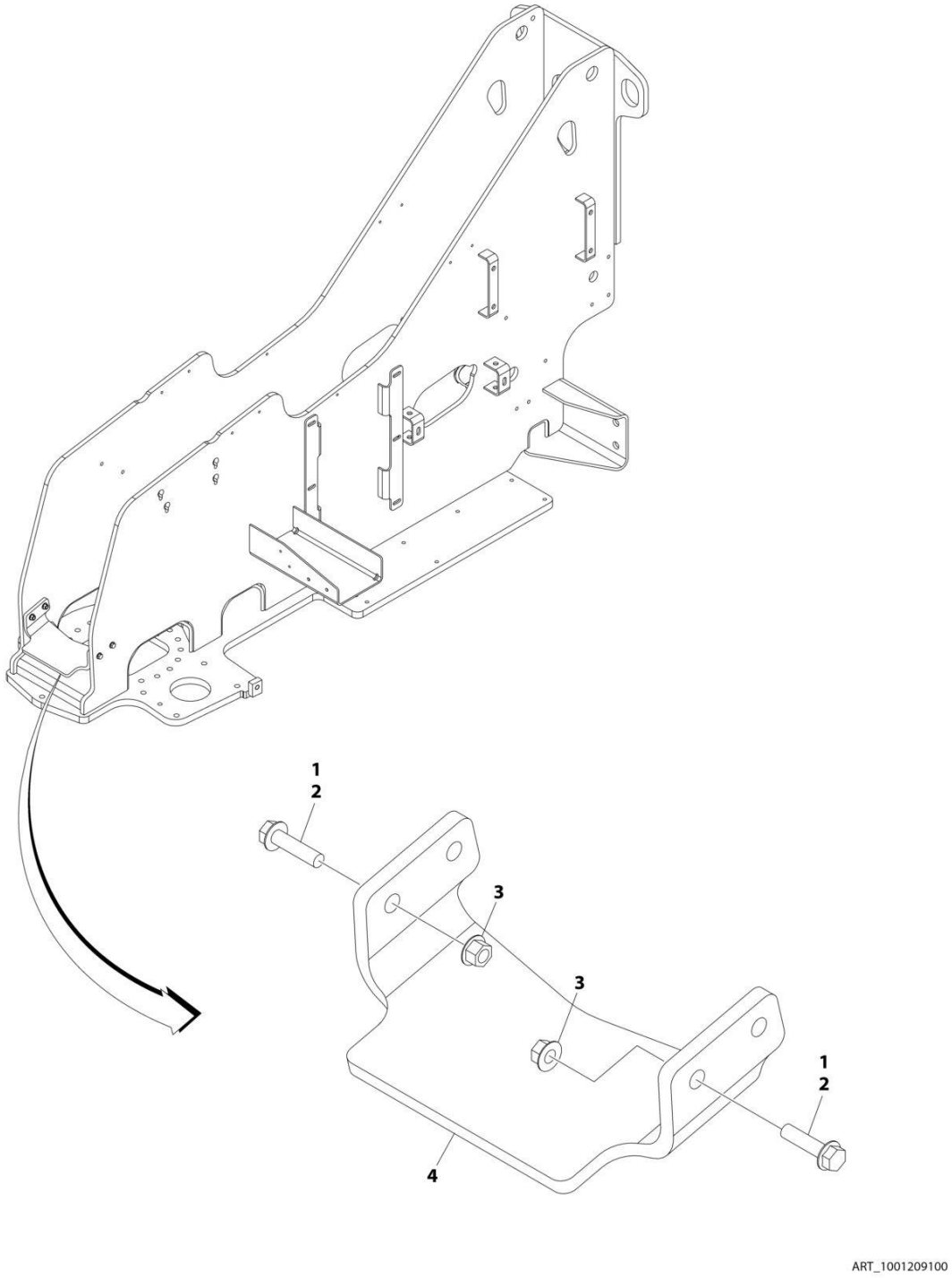


FIGURE 4-8. BOOM REST INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209100	Ref	Boom Rest Installation	A
1	0100011	AR	Compound, Locking	
2	5251016	4	Bolt M10 x 40	
3	5261000	4	Nut M10	
4	1001209099	1	Support, Boom Rest	

FIGURE 4-9. CAPACITY SWITCH INSTALLATION

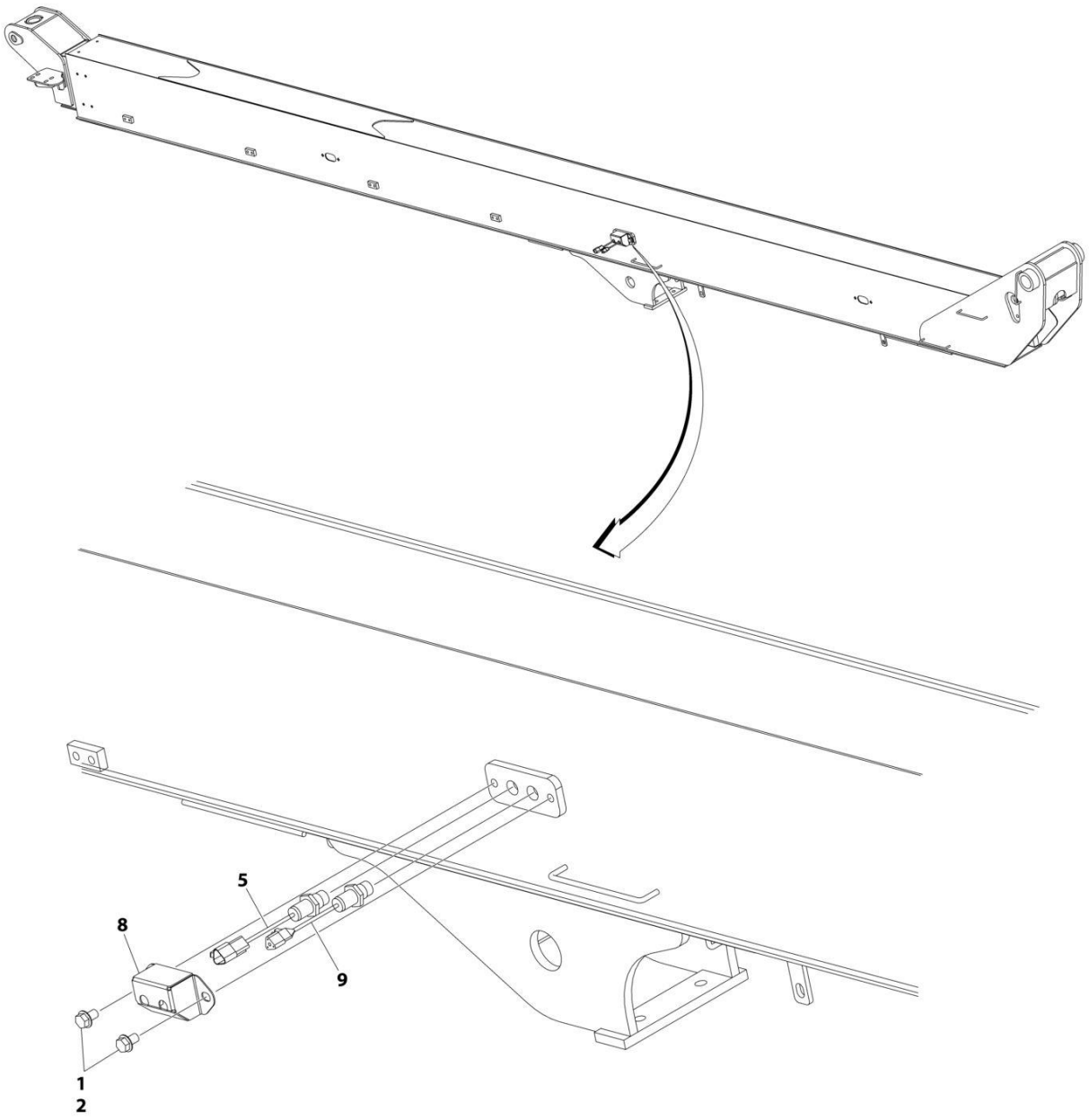


FIGURE 4-9. CAPACITY SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173233	Ref	CAPACITY SWITCH INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	5251008	2	Bolt, M10 x 16	
5	1001170847	1	Sensor, Proximity	
5	4460536	1	Connector - 3 Position	
5	4460464	3	Pin, Male	
8	1001204715	1	Bracket, Cover	
9	1001182570	1	Sensor, Proximity	
9	4460539	1	Connector 3 Position	
9	4460465	3	Socket, Female	

FIGURE 4-10. PLATFORM SUPPORT INSTALLATION

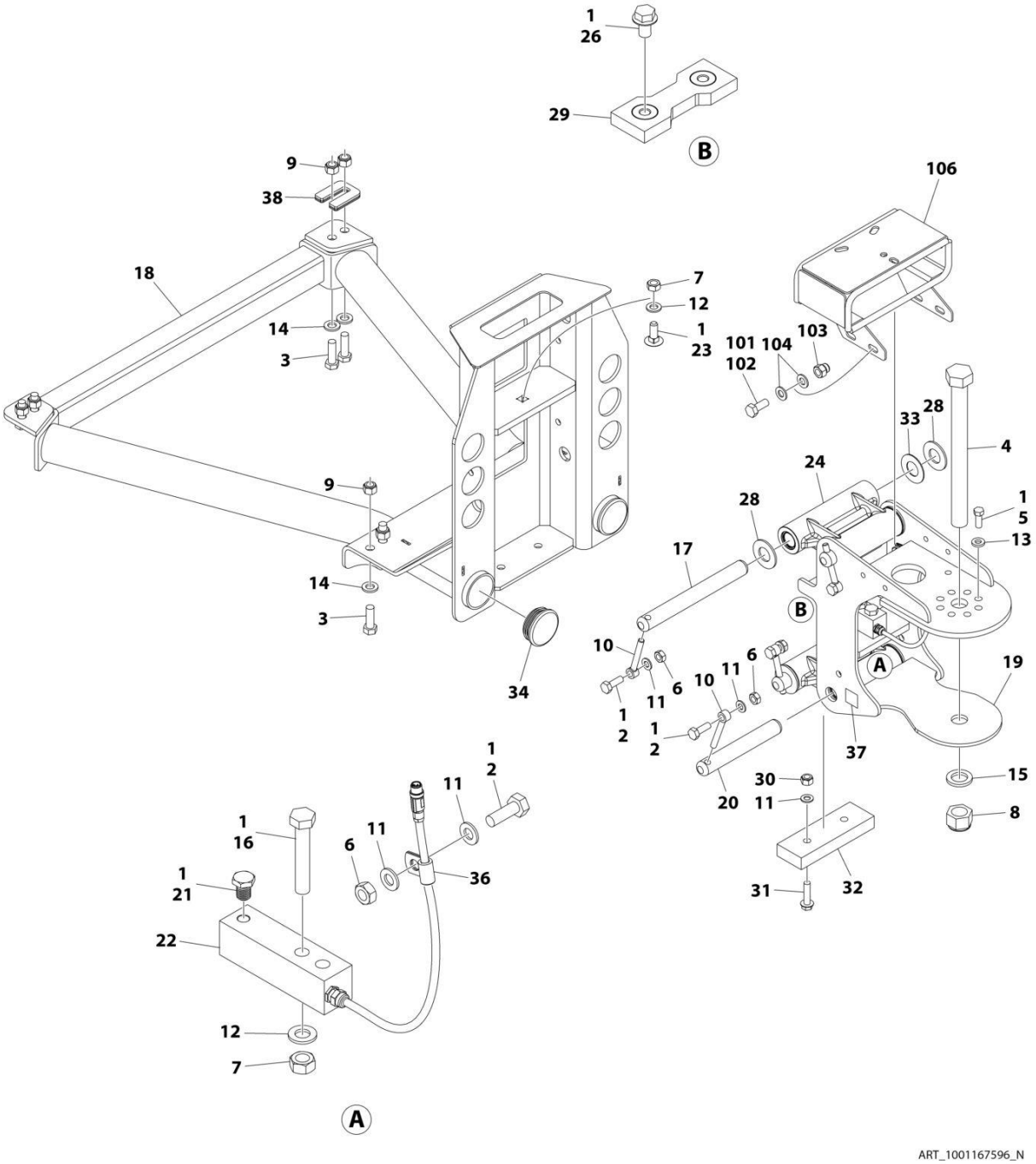


FIGURE 4-10. PLATFORM SUPPORT INSTALLATION

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 GRD8	
5	0681608	8	Bolt 3/8 x 1 GRD8	
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 CL10.9	
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 CL10.9	
28	1001189002	8	Bearing	
29	1001190985	1	Pad, Wear	
30	3291005	2	Nut M10	
31	5251016	2	Bolt M10 x 40 CL10.9	
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 4-11. POWER TRACK INSTALLATION

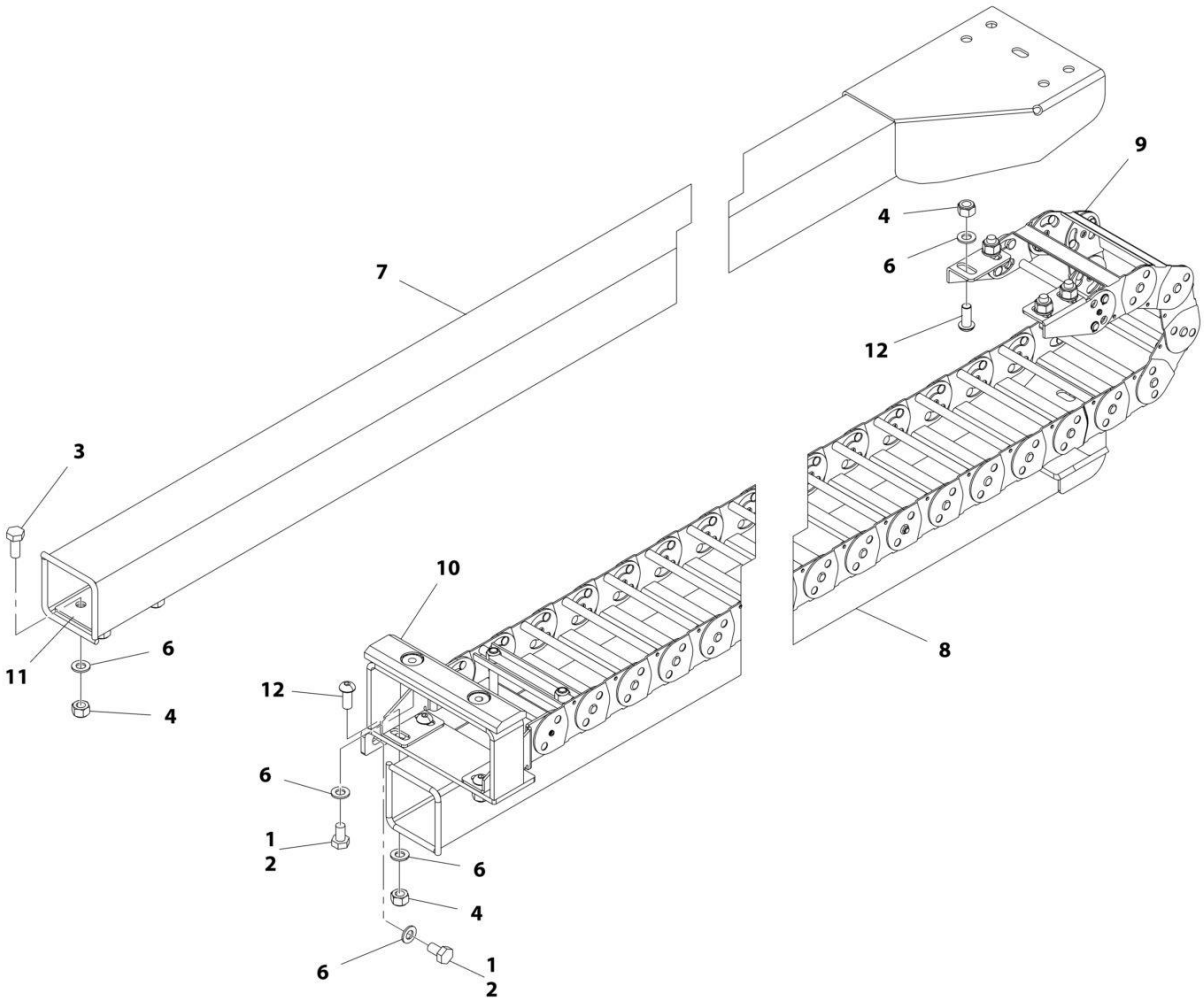


FIGURE 4-11. POWER TRACK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165538	Ref	POWER TRACK INSTALLATION	E
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 4-12. TRANSPORT SWITCHES INSTALLATION

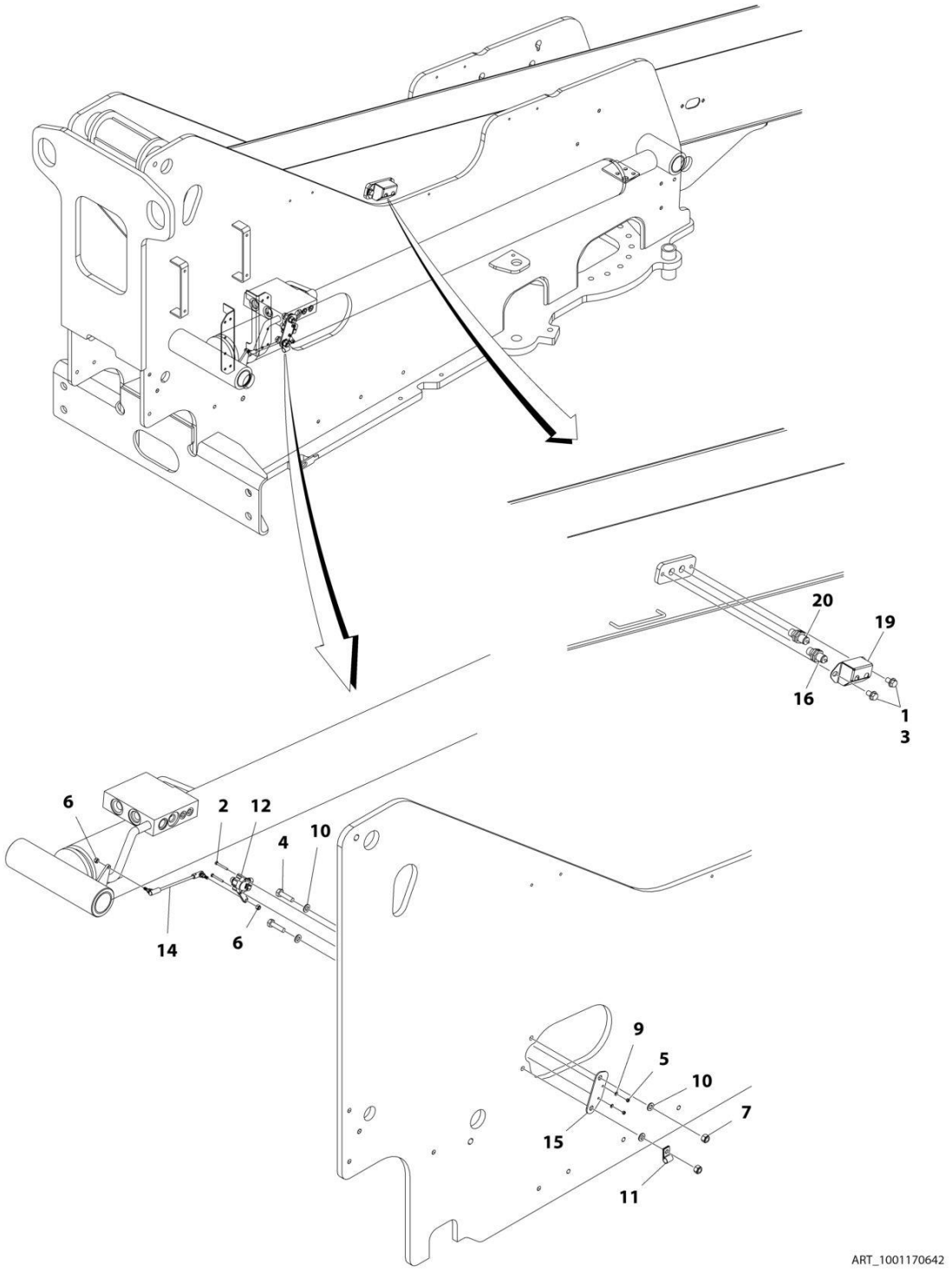


FIGURE 4-12. TRANSPORT SWITCHES INSTALLATION

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	

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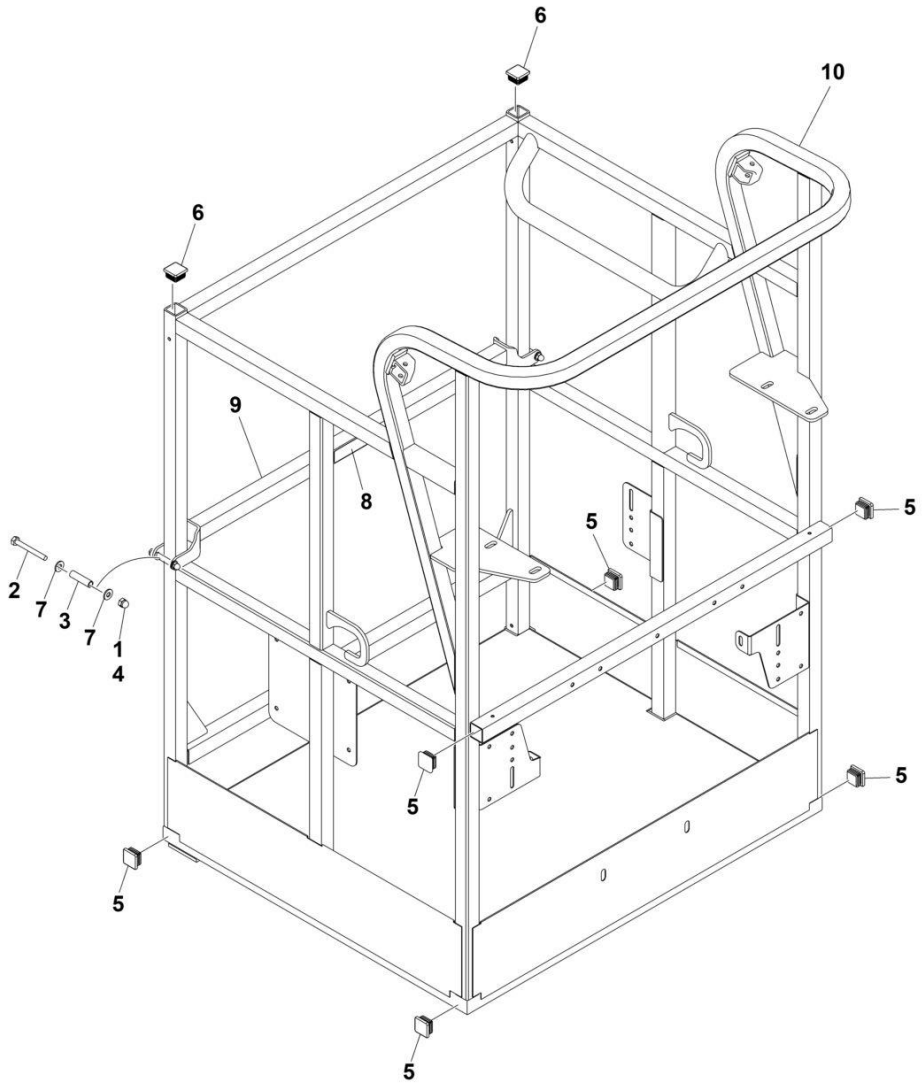
SECTION 5 - PLATFORM

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



ART_1001228215

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

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)	

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FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) WITH SWING GATE

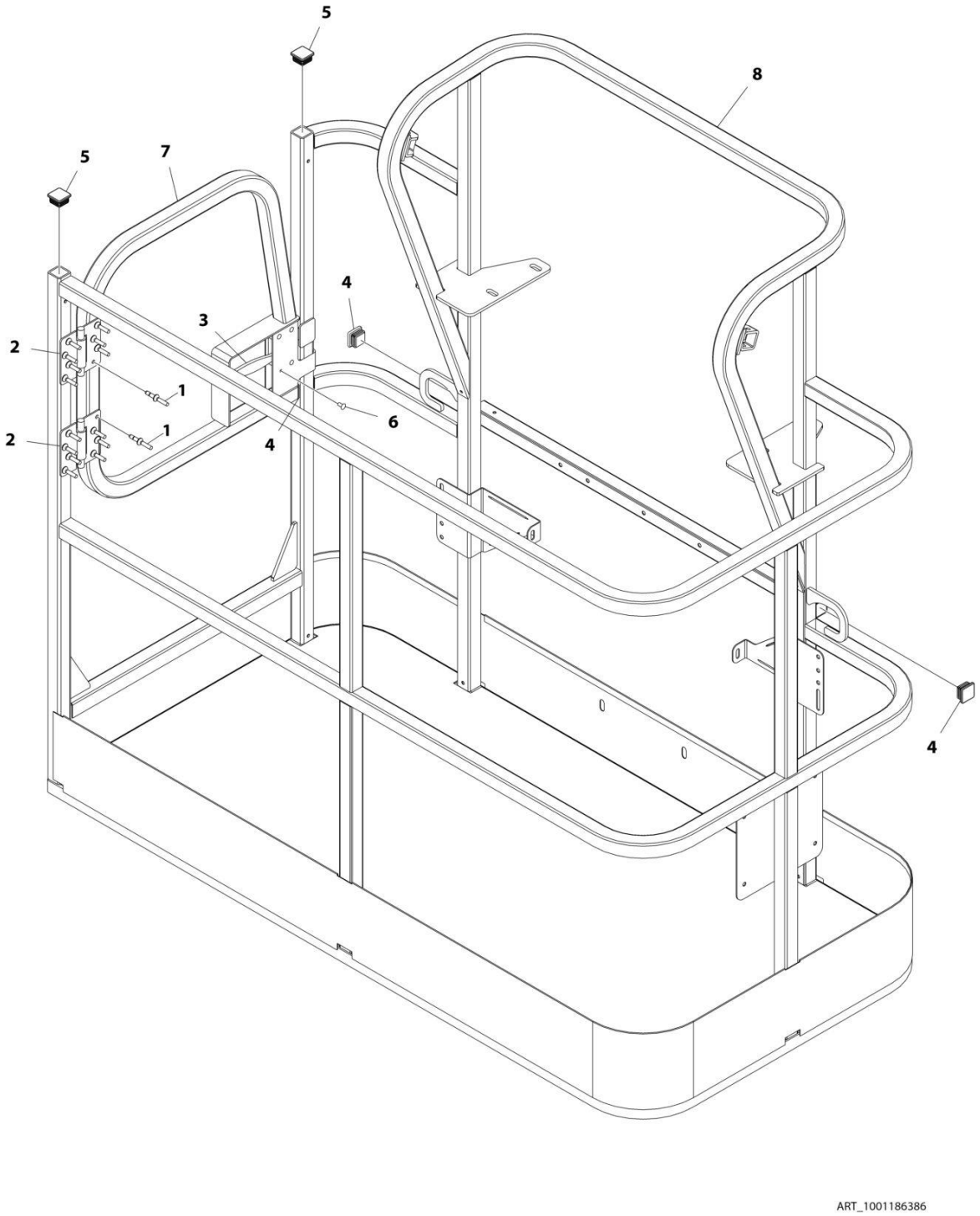

FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) WITH SWING GATE

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 5-3. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE

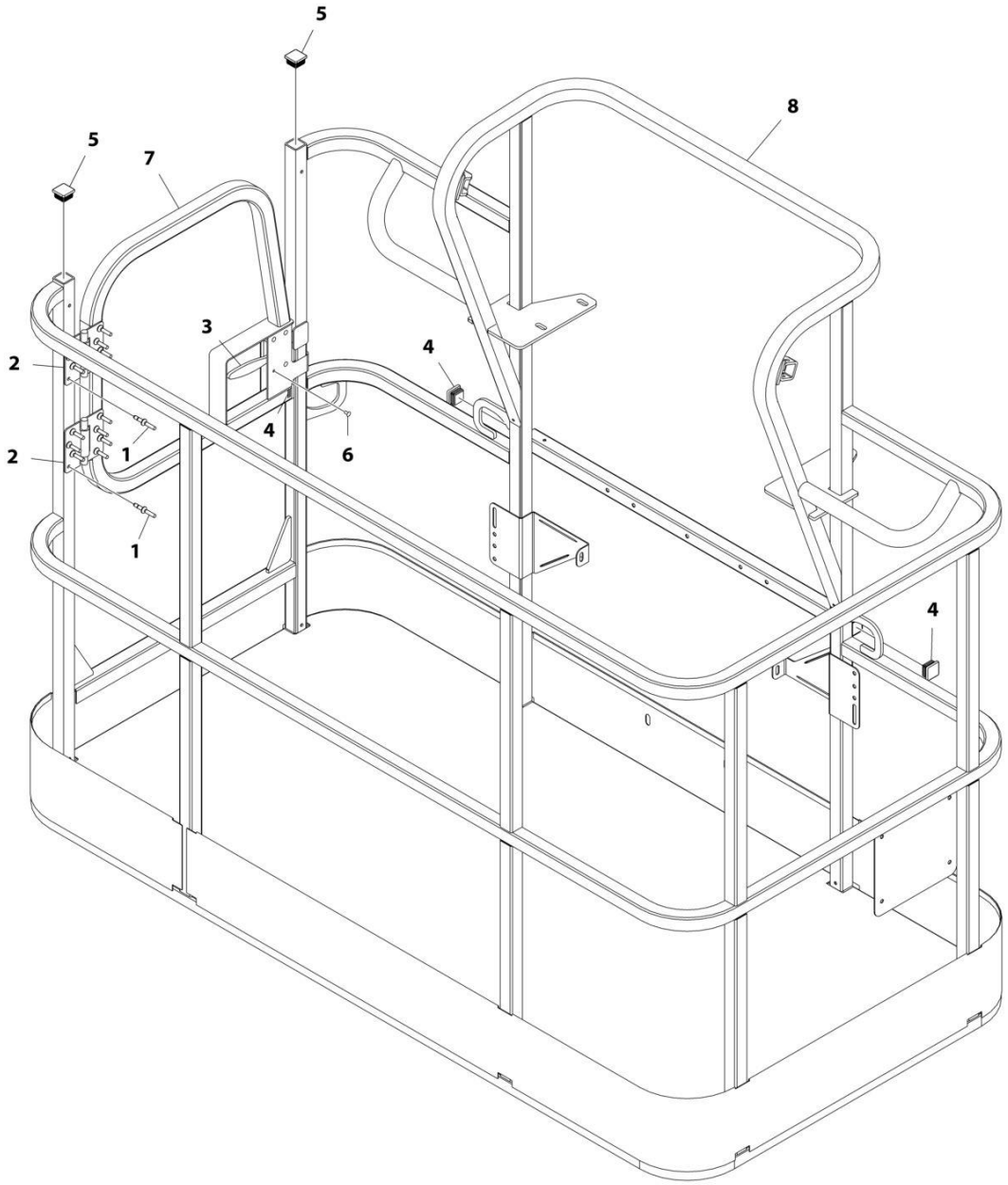

FIGURE 5-3. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE

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 5-4. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE

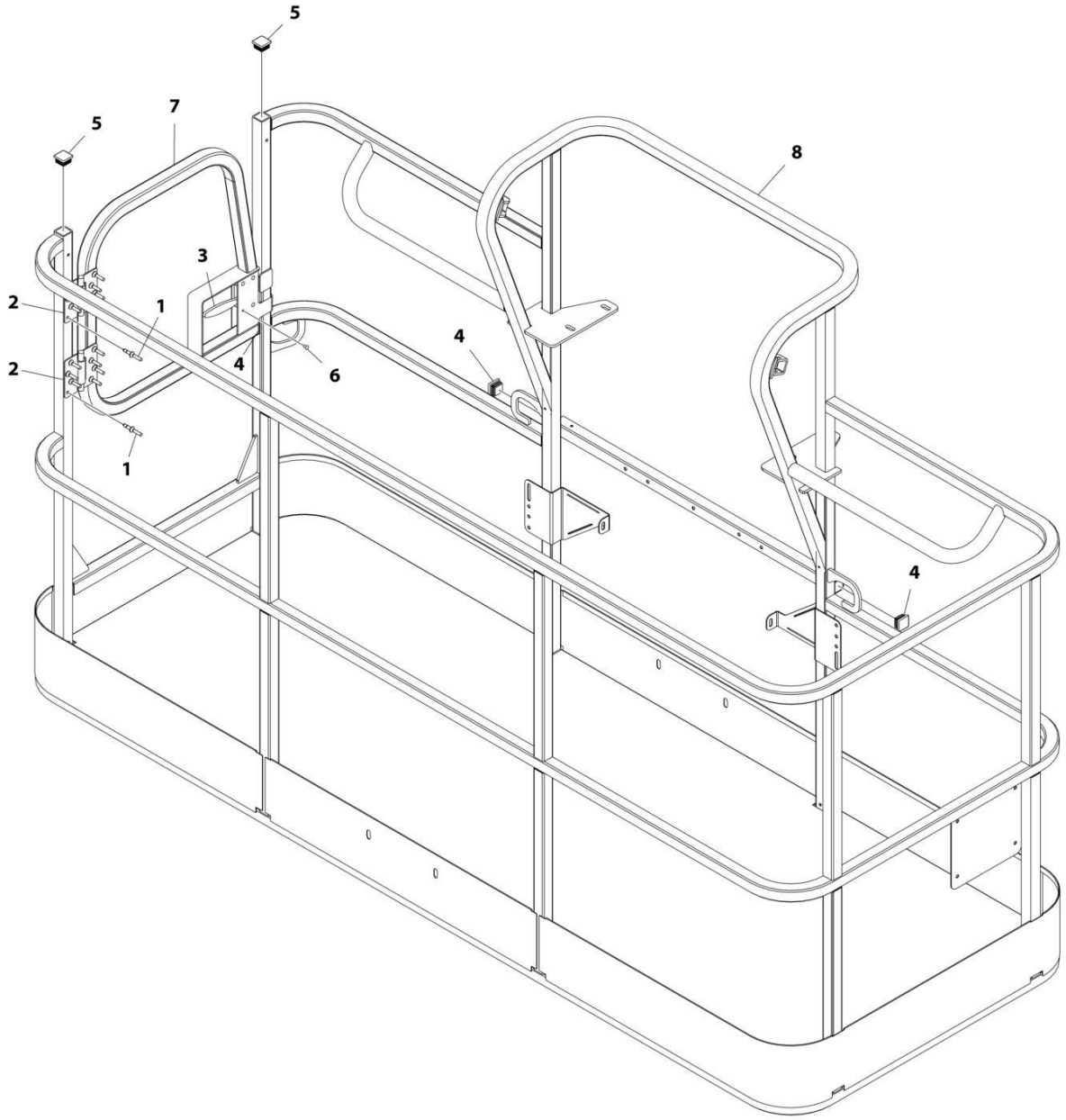

FIGURE 5-4. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE

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 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) WITH DROP BAR

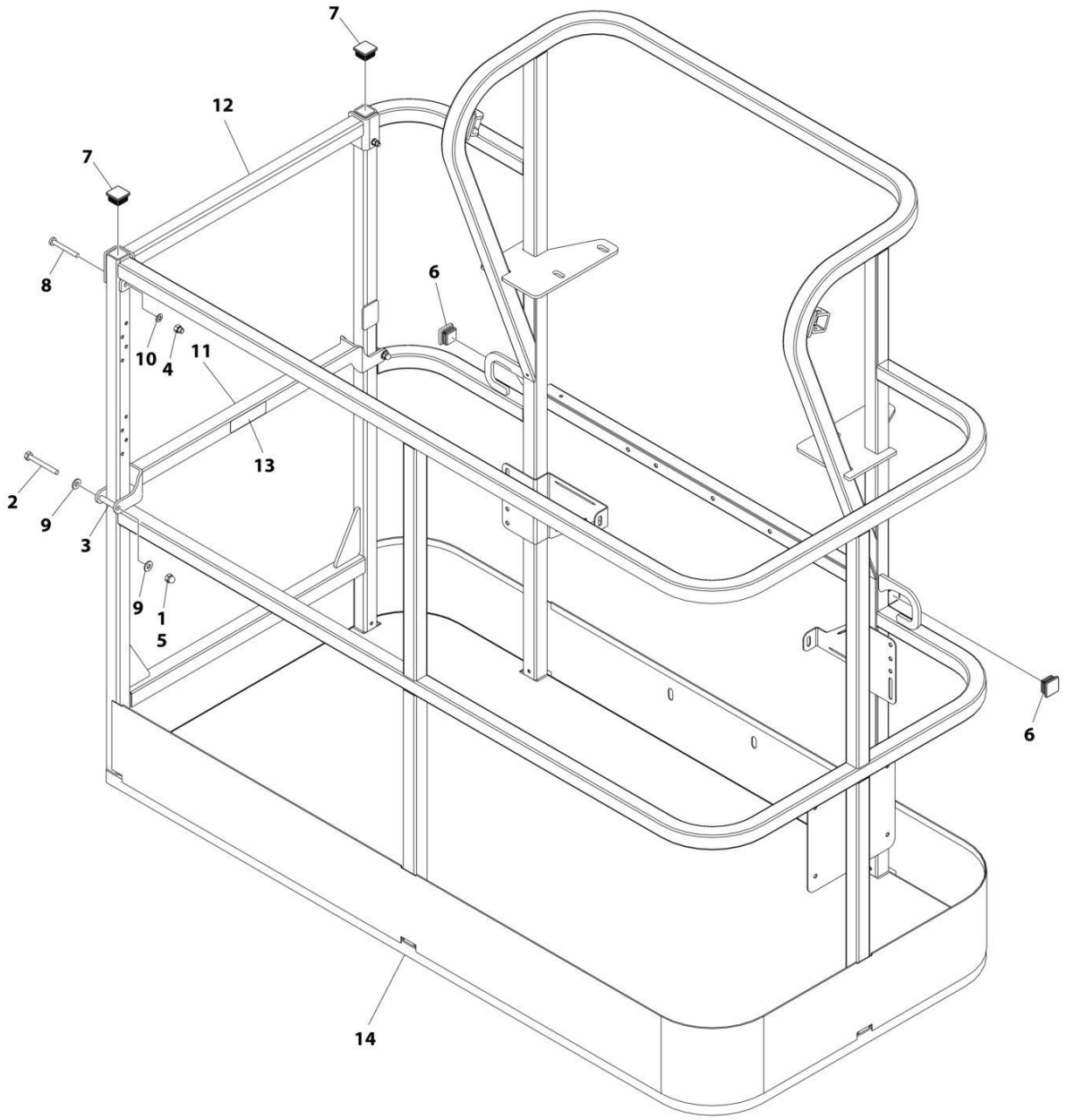

FIGURE 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) WITH DROP BAR

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

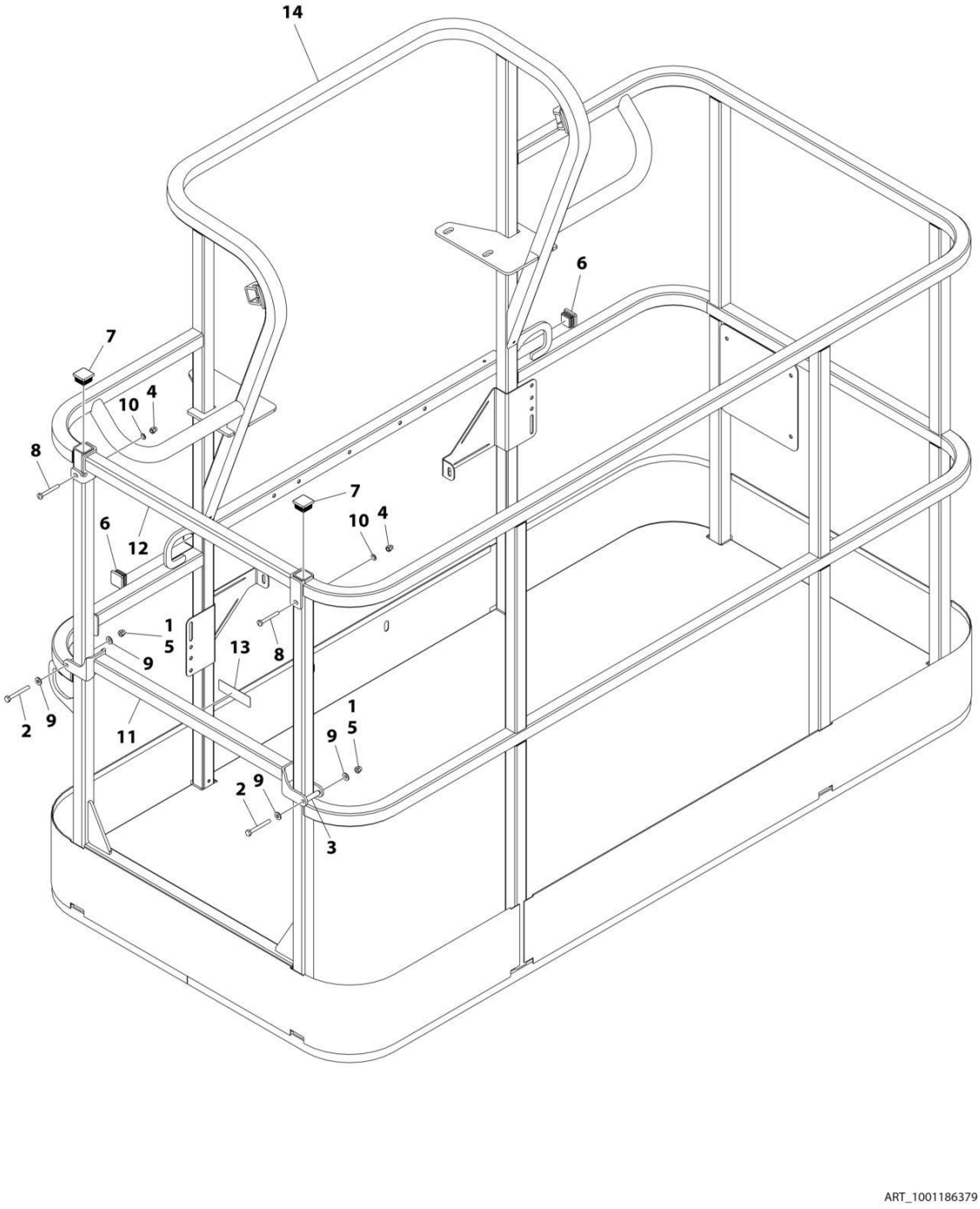

FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR

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

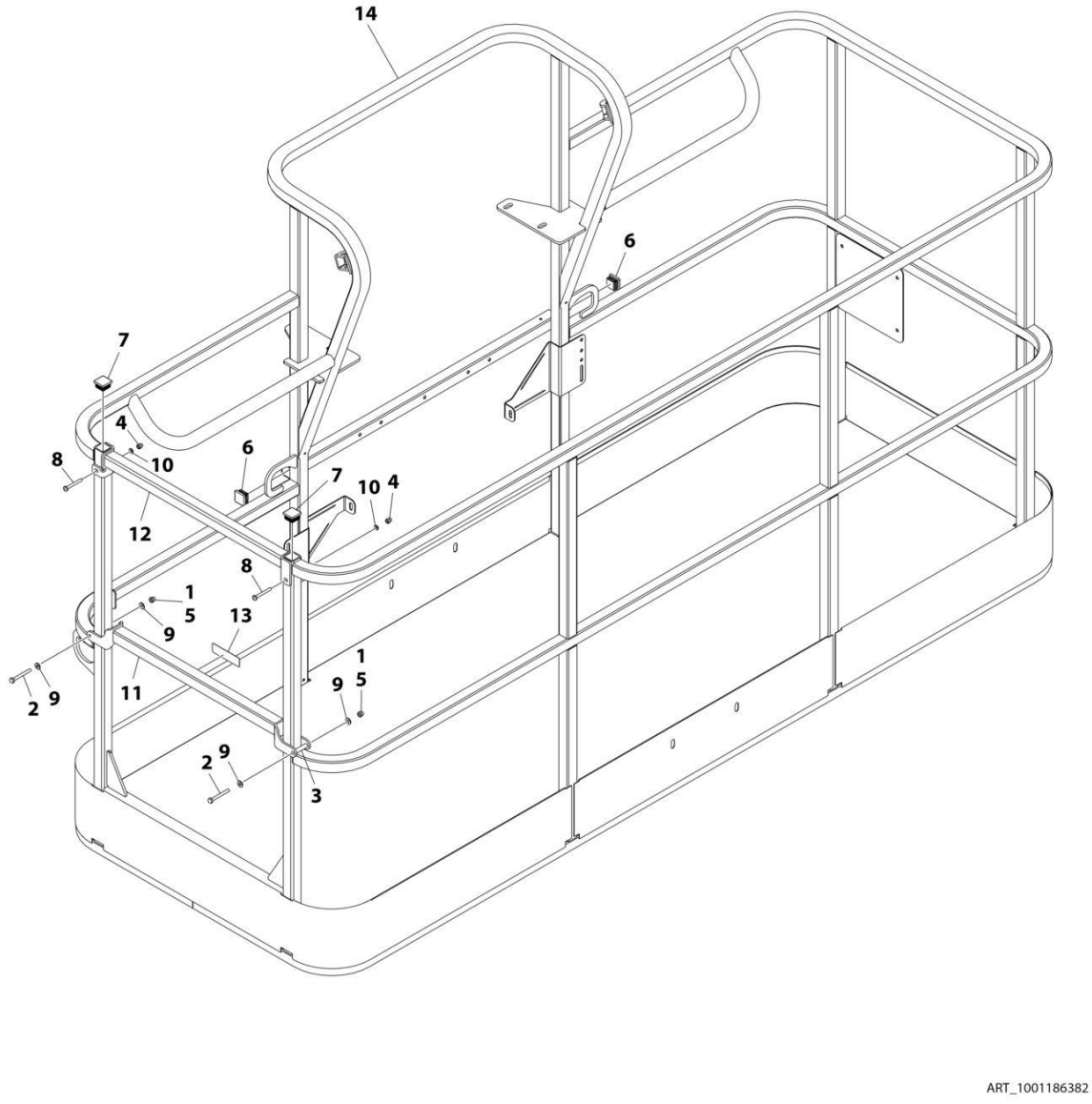

FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR

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)	

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FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

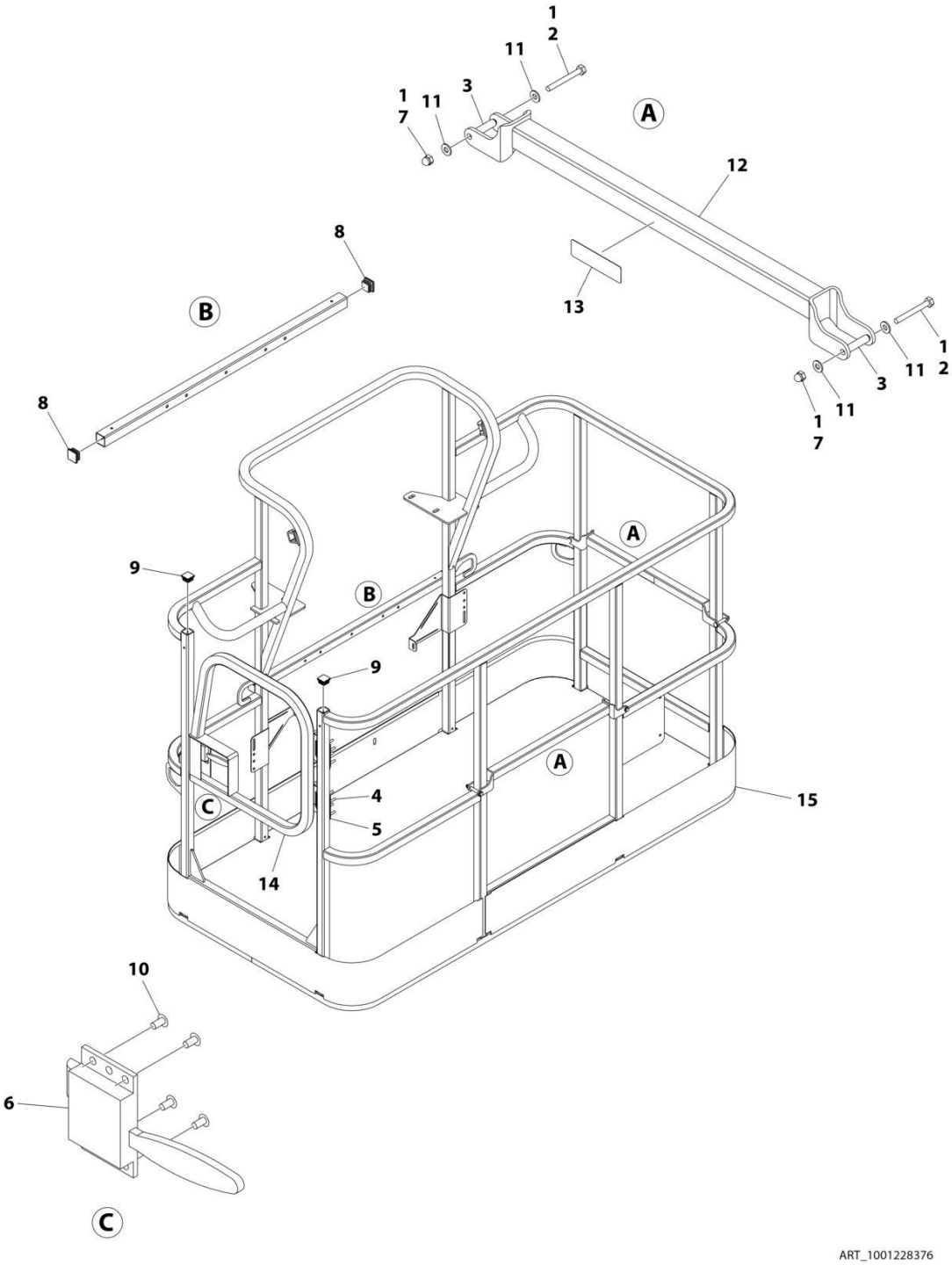

FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

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)	

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FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROPBAR

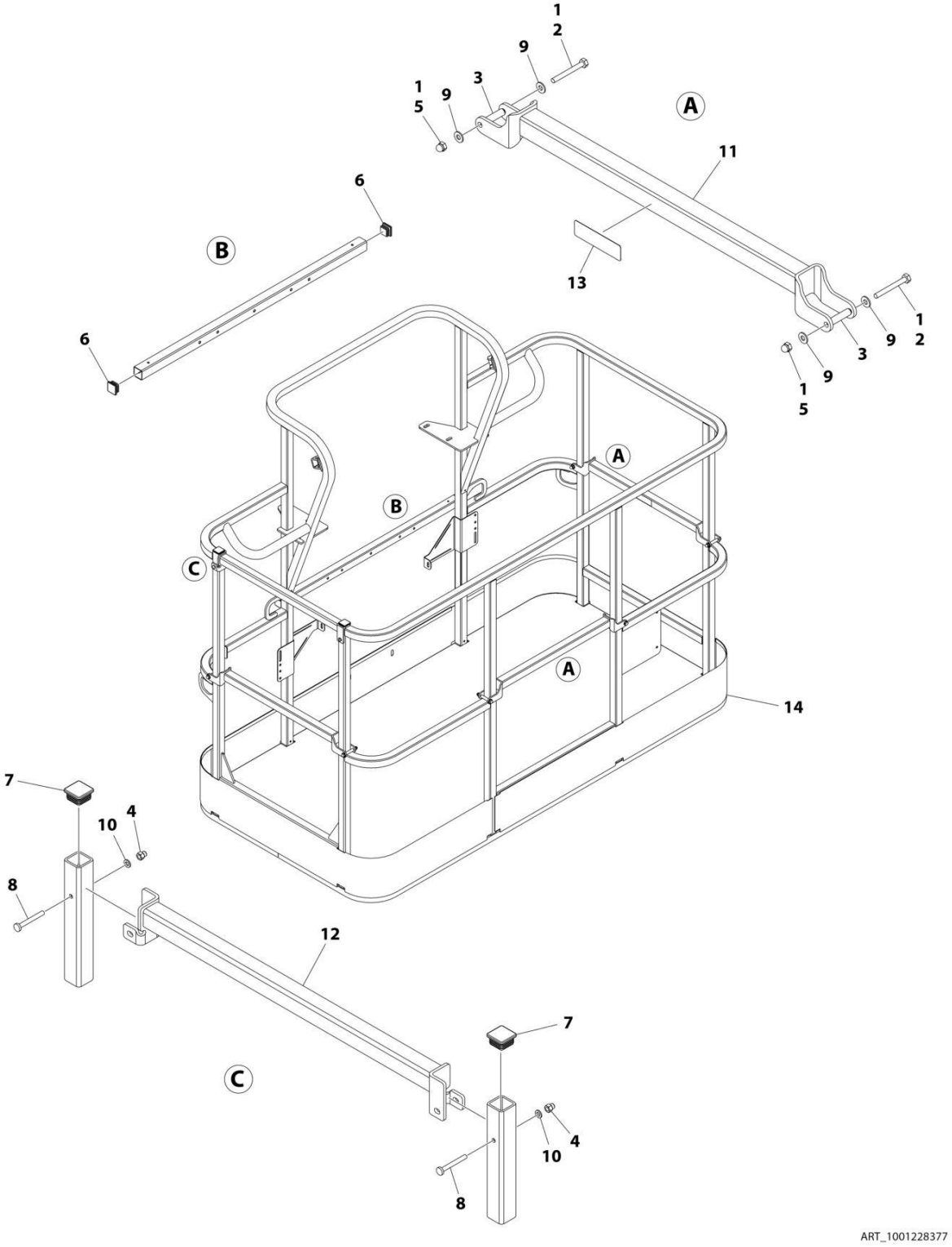

FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROPBAR

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)	

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FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPBAR

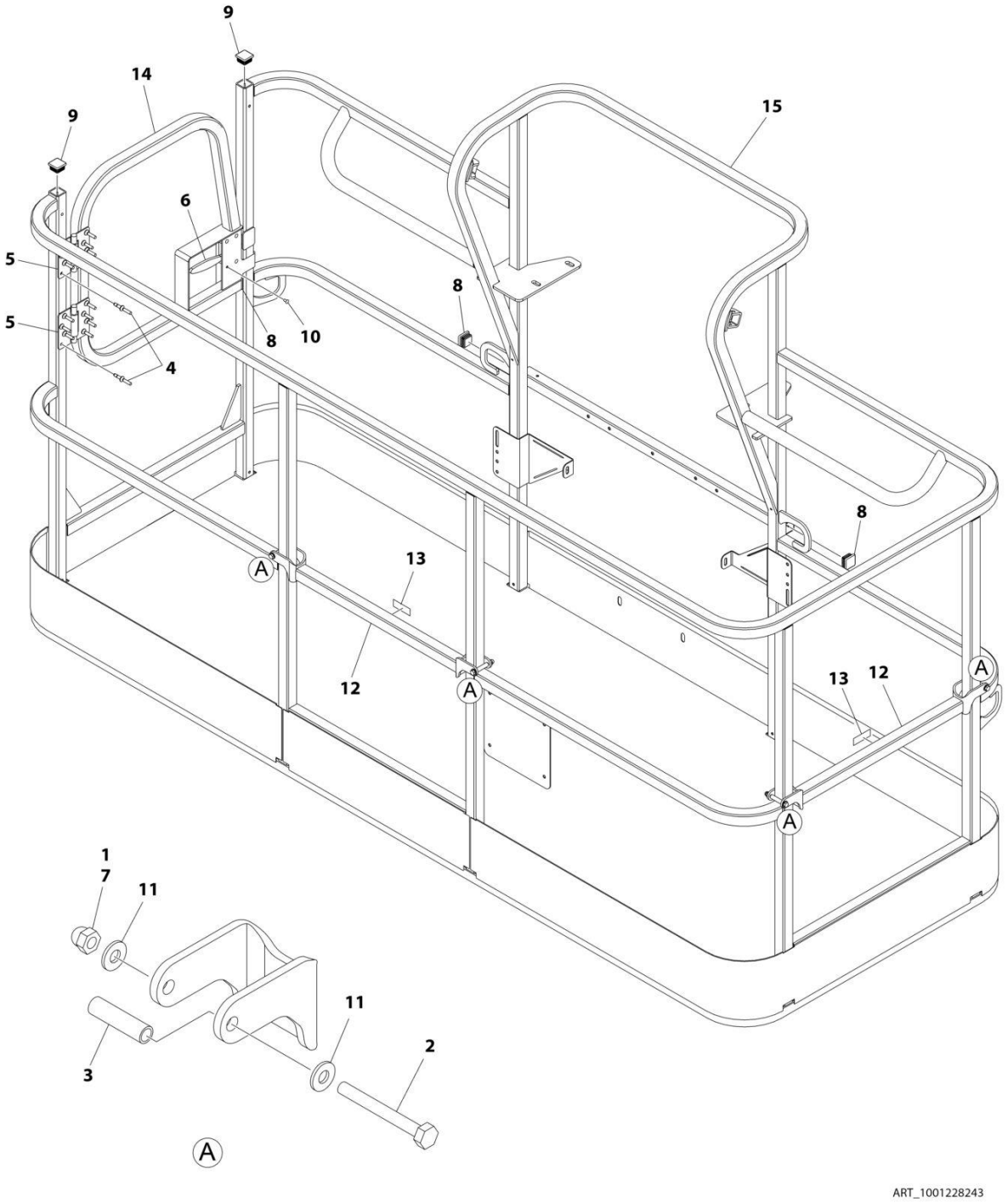

FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPBAR

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)	

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FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPGATE

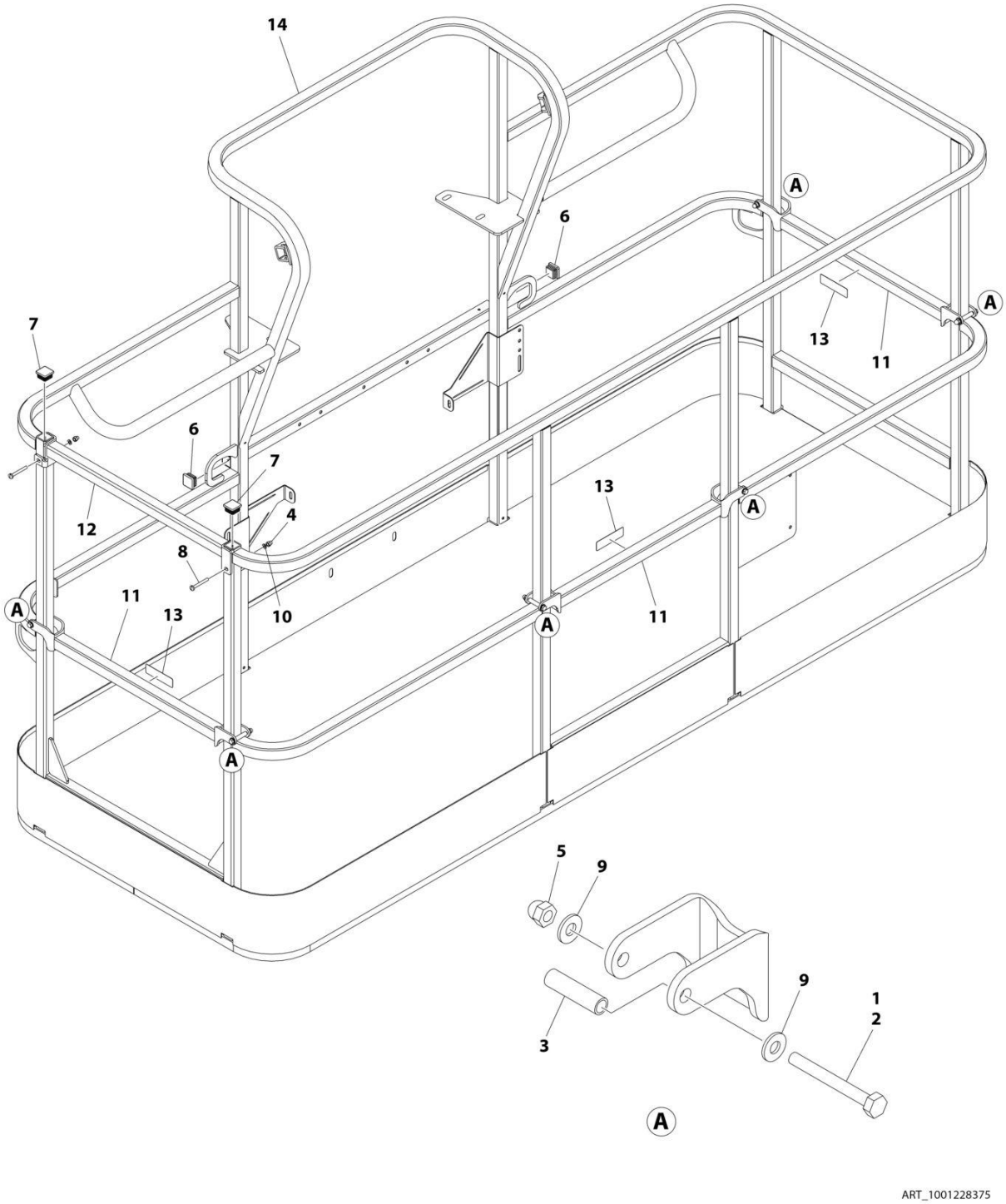


FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPGATE

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 5-12. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS)

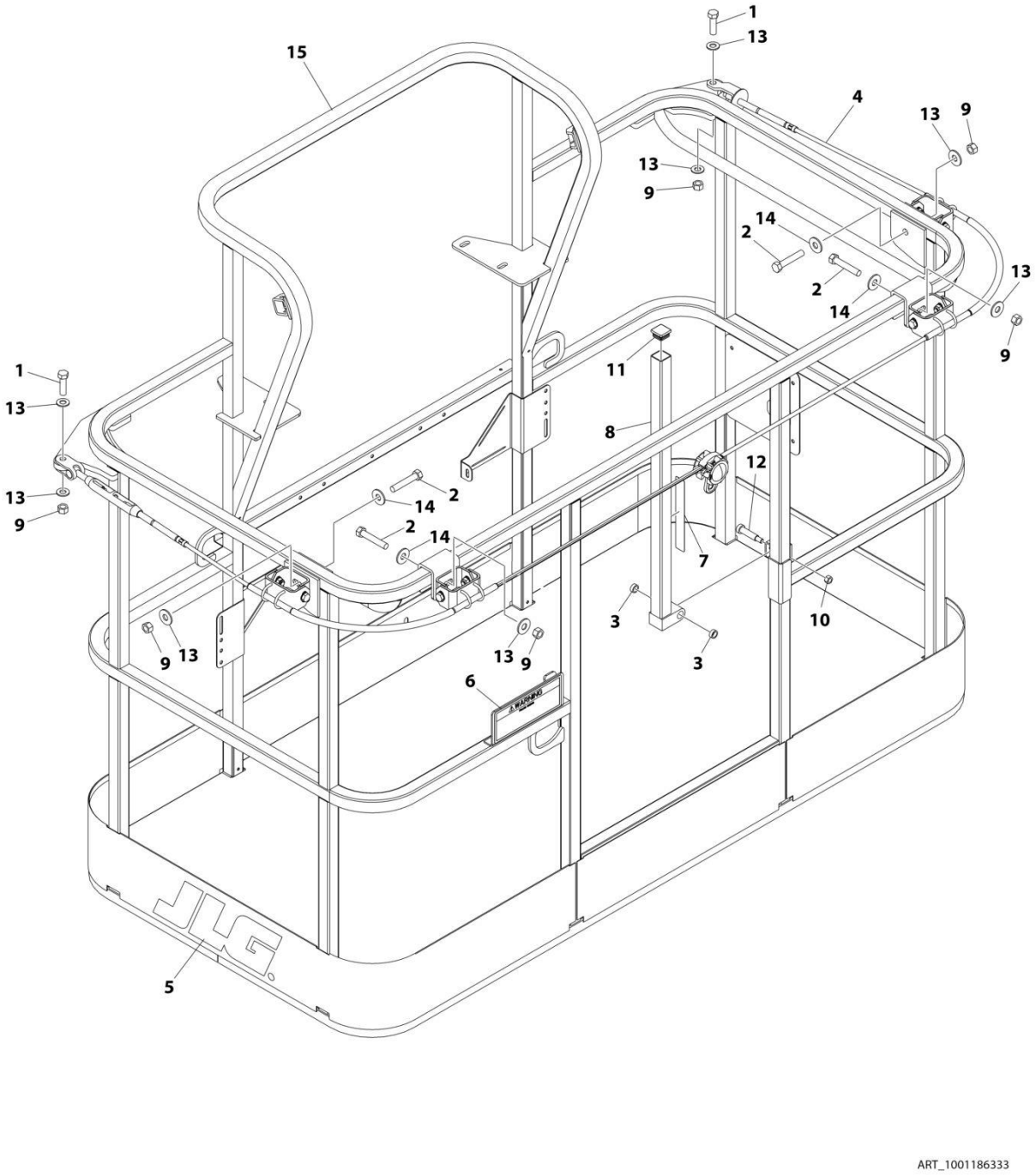


FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS)

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 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS)

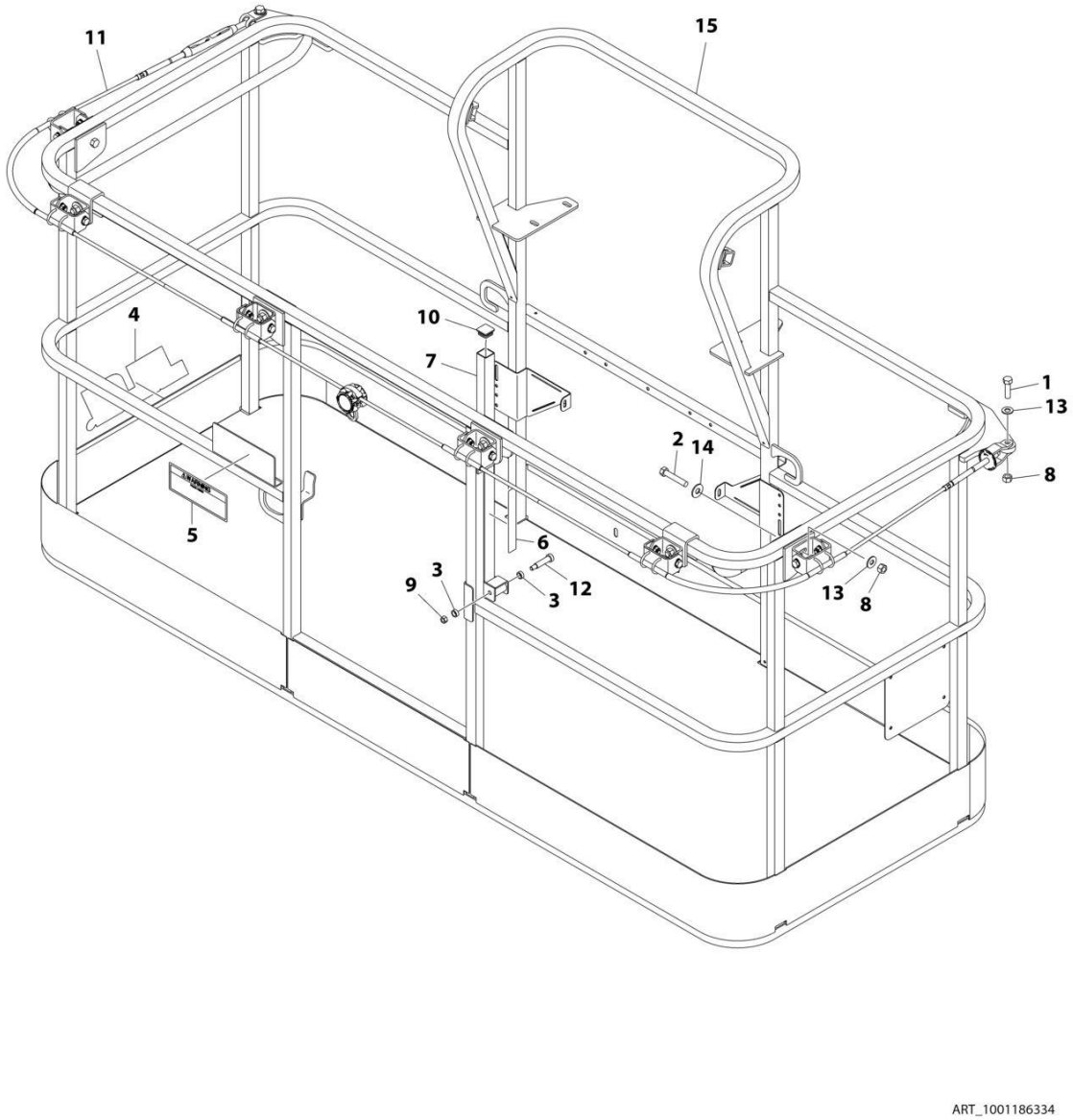


FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186334	Ref	PLATFORM ASSEMBLY	D
		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	6	Bolt 1/2 x 2-3/4 Grade 8	
3	0962270	2	Bearing	
4	1702773	1	Decal - JLG	
5	1705014	1	Decal - Safety	
6	1706385	1	Decal - Drop Bar	
7	2410014	1	Bar, Drop	
8	3271805	8	Nut 1/2 Grade 8	
9	3311605	1	Nut 3/8	
10	3520072	1	Plug	
11	1001203656	1	Cable	
12	3900054	1	Bolt 1/2 x 1-3/4	
13	4711800	2	Washer 1/2	
14	4751800	6	Washer 1/2	
15	See Note	NSS	Platform (Note: Purchase Platform Assembly)	

FIGURE 5-14. CONSOLE BOX INSTALLATION

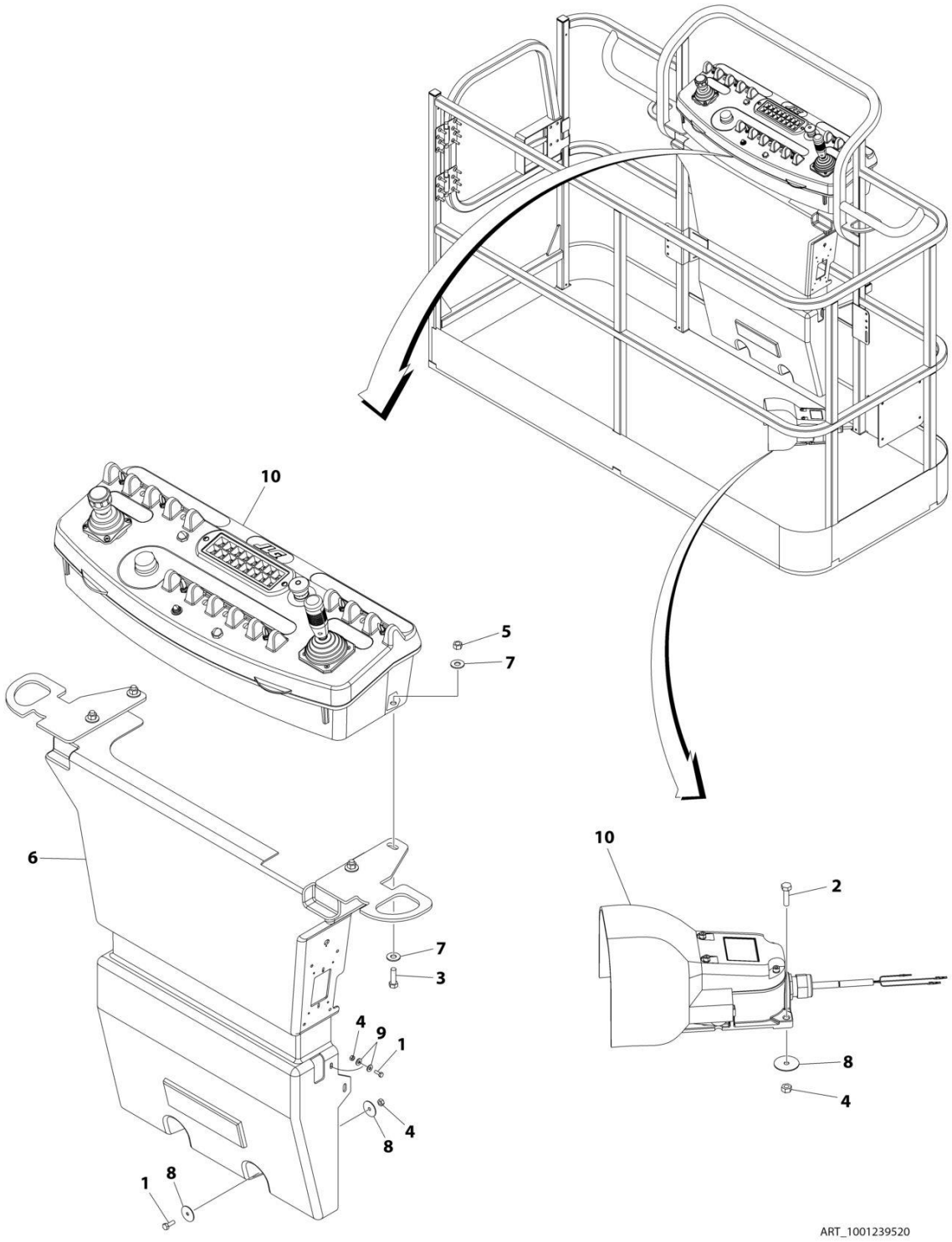


FIGURE 5-14. CONSOLE BOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239520	Ref	CONSOLE BOX INSTALLATION	A
1	0641406	4	Capscrew 1/4 x 3/4	
2	0641408	3	Capscrew 1/4 x 1	
3	0641610	4	Capscrew 3/8 x 1/4	
4	3311405	7	Nut 1/4	
5	3311605	4	Nut 3/8	
6	3380434	1	Panel, Decal Mount	
7	4711600	8	Washer 3/8	
8	4740362	7	Washer	
9	4751400	4	Washer	
10	1001239519	1	Electric Assembly, Console Box (See Separate Breakdown in this Section)	

FIGURE 5-15. CONSOLE BOX ASSEMBLY

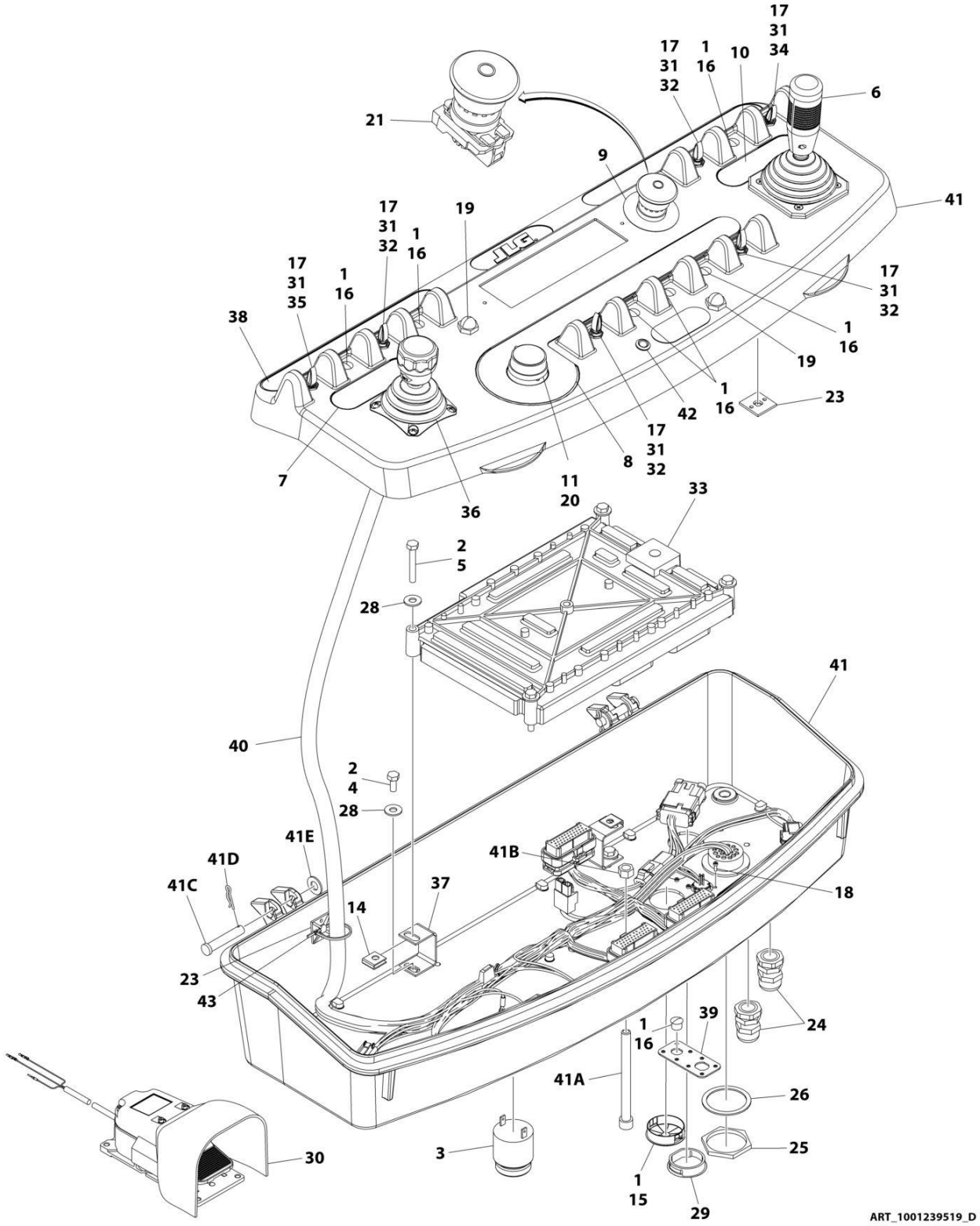


FIGURE 5-15. CONSOLE BOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239519	Ref	CONSOLE BOX ASSEMBLY	D
1	0100009	AR	Sealant	
2	0100035	AR	Compound, Locking	
3	0140011	1	Alarm	
4	0641405	4	Bolt 1/4 x 5/8	
5	0641414	4	Bolt 1/4 x 1-3/4	
6	1600359	1	Controller Assembly (Drive and Steer)	
7	1702566	1	Decal - Lift and Swing	
8	1702567	1	Decal - Function Speed	
9	1704260	1	Decal - EMS	
10	1704460	1	Decal - Drive and Steer	
11	2560136	1	Handle, Knob	
14	3300353	4	Nut, Tinnerman	
15	1001185281	1	Plug, Cap	
16	3520054	7	Plug	
17	3790012	6	O-Ring	
18	3900349	8	Screw M2.5	
19	4360387	2	Switch, Pushbutton	
20	4360407	1	Switch, Potentiometer	
21	1001274559	1	Switch, Emergency	
23	4460234	6	Terminal	
24	4460428	2	Connector, Strain Relief	
25	4460470	1	Nut, Terminal	
26	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 DPDT	
36	1001275629	1	Controller Assembly (Lift and Swing)	
37	1001172760	4	Bracket	
38	1001184626	1	Decal - Horn	
39	1001213882	1	Connector Mount	
40	1001238254	1	Harness, Platform (See Separate Breakdown in ELECTRICAL Section)	
41	1001215229	1	Platform Console Box	
41A	0630568	1	Capscrew 3/8 x 4-1/2	
41B	3311601	1	Nut 3/8	
41C	3430616	2	Pin	
41D	3470003	2	Hairpin	
41E	4711600	2	Washer 3/8	
42	1001206532	1	Lamp, Indicator	
42	4240099	AR	Tie, Wire	

FIGURE 5-16. FOOTSWITCH ASSEMBLY

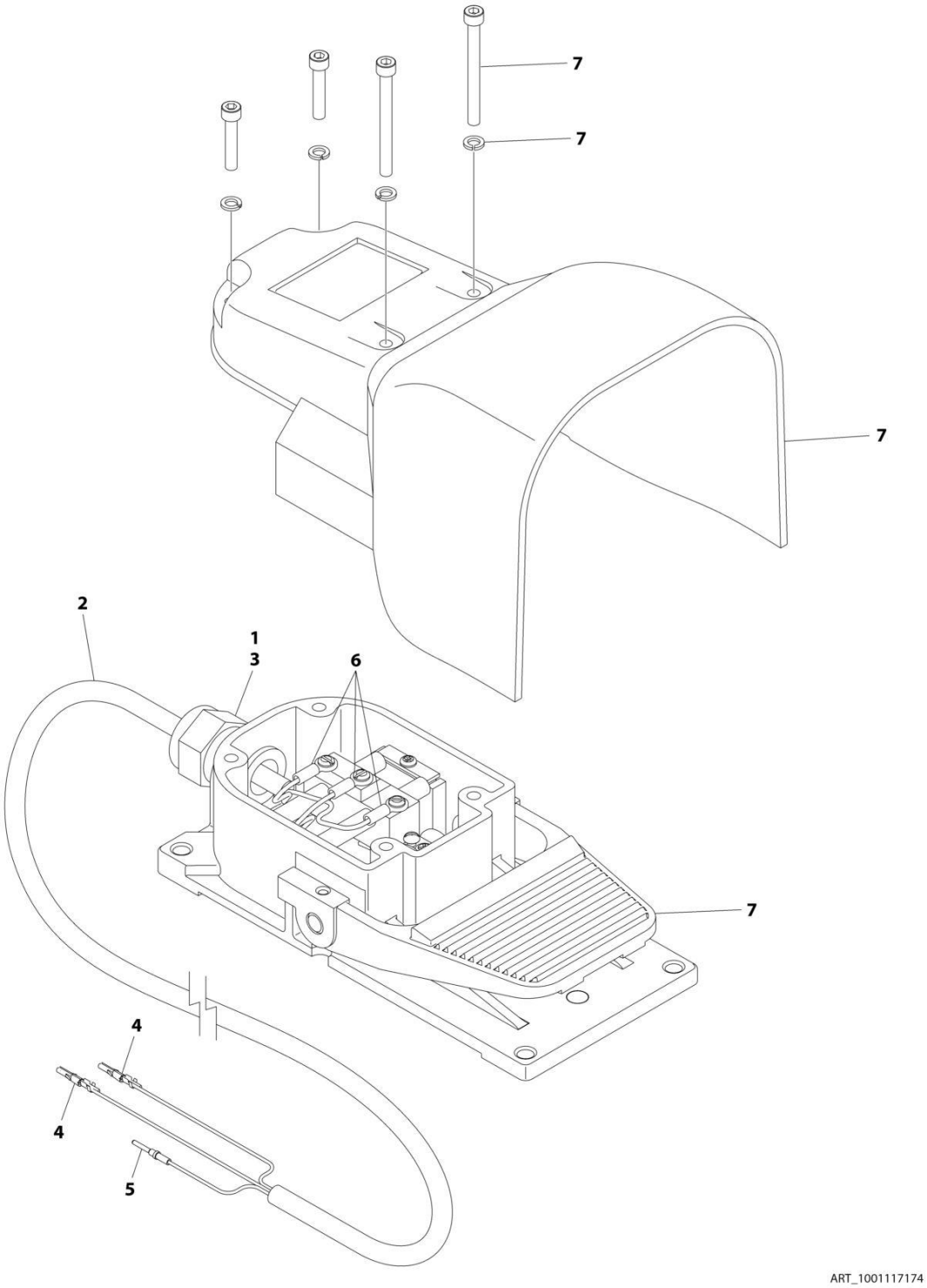


FIGURE 5-16. FOOTSWITCH ASSEMBLY

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 5-17. LIGHT PANEL INSTALLATION

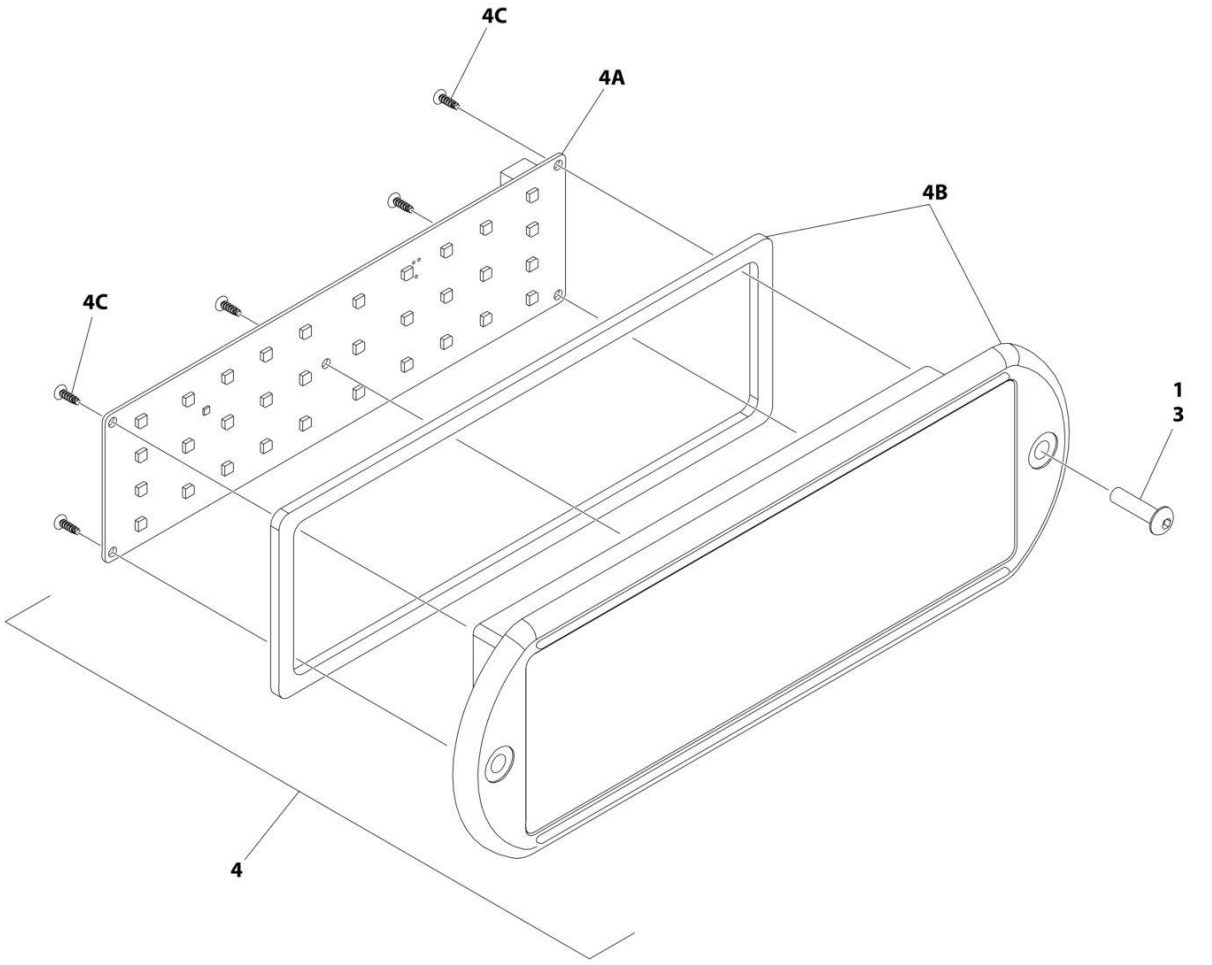


FIGURE 5-17. LIGHT PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233959	Ref	LIGHT PANEL INSTALLATION - PLATFORM CONSOLE	D
1	0100035	AR	Compound, Locking	
3	0630518	2	Screw #10 x 3/4	
4	1001284583	1	Light Panel Assembly	A
4A	1001282106	1	Panel, LED Light	
4B	1001284582	1	Lens, Icon (Includes Gasket)	
4C		Ref	Screw	

SECTION 5 - PLATFORM

FIGURE 5-18. SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM (OPTIONAL)

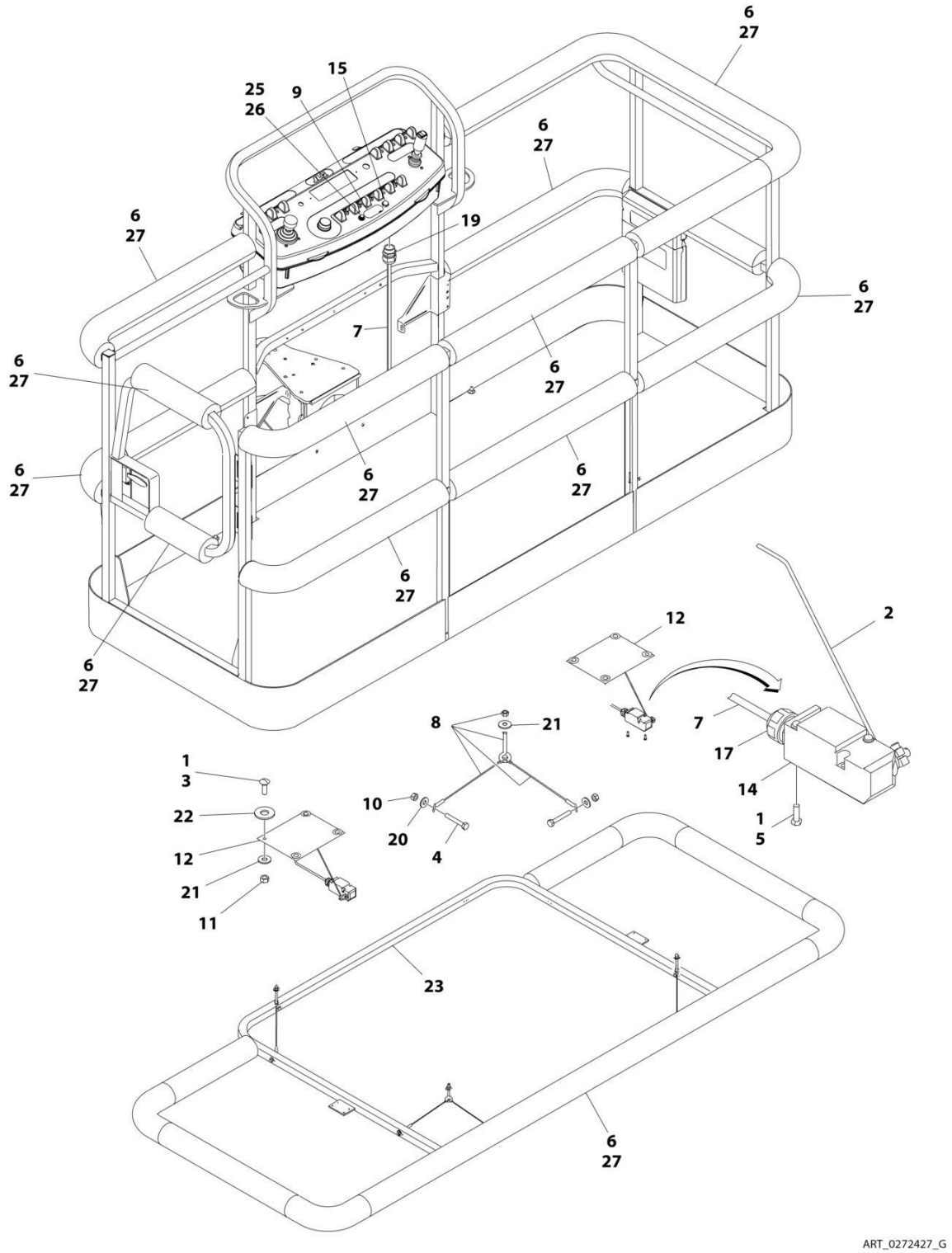


FIGURE 5-18. SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM (OPTIONAL)

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 5-19. SKYGUARD SYSTEM INSTALLATION

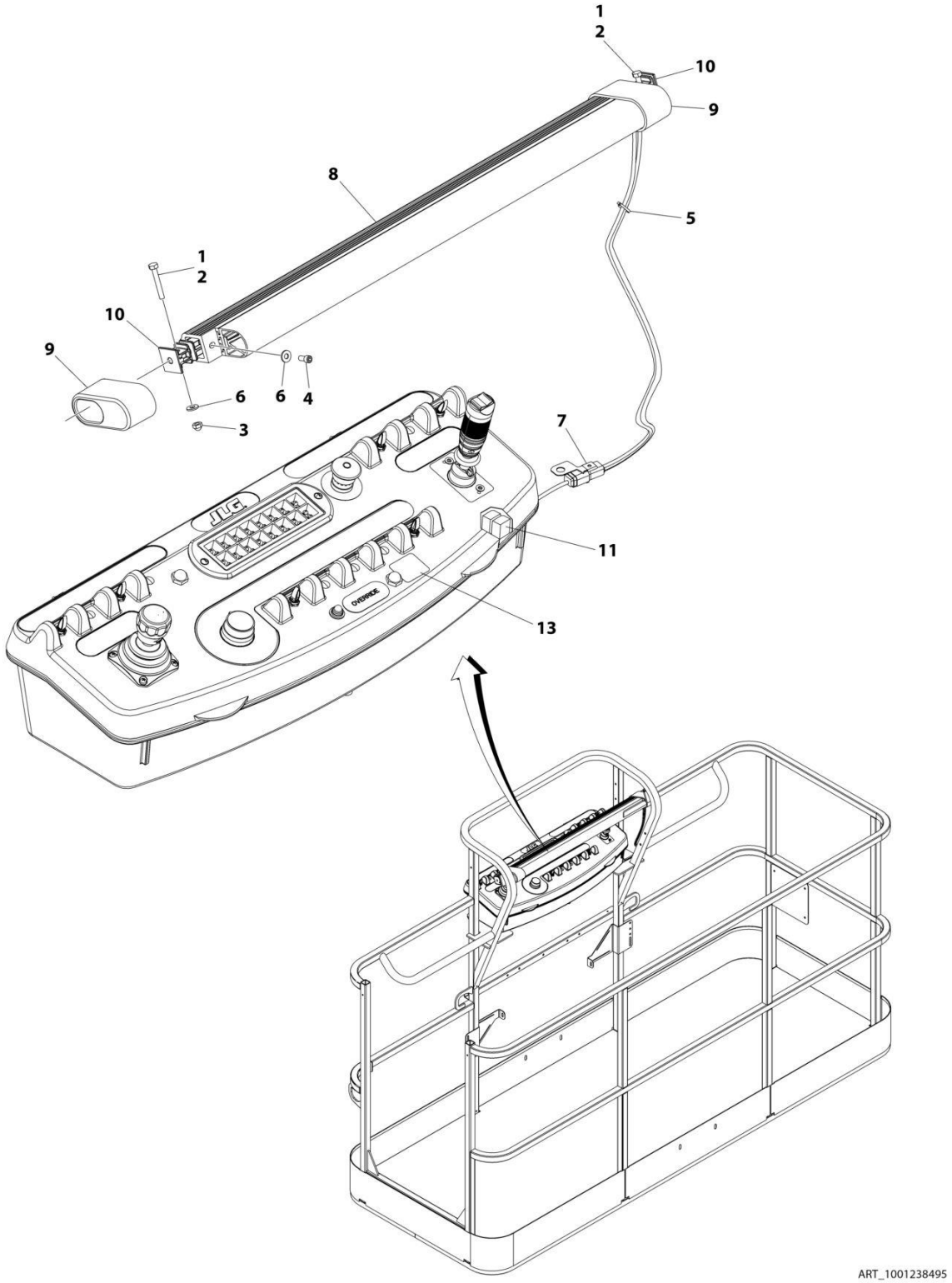


FIGURE 5-19. SKYGUARD SYSTEM INSTALLATION

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 5-20. SKYGLAZIER INSTALLATION

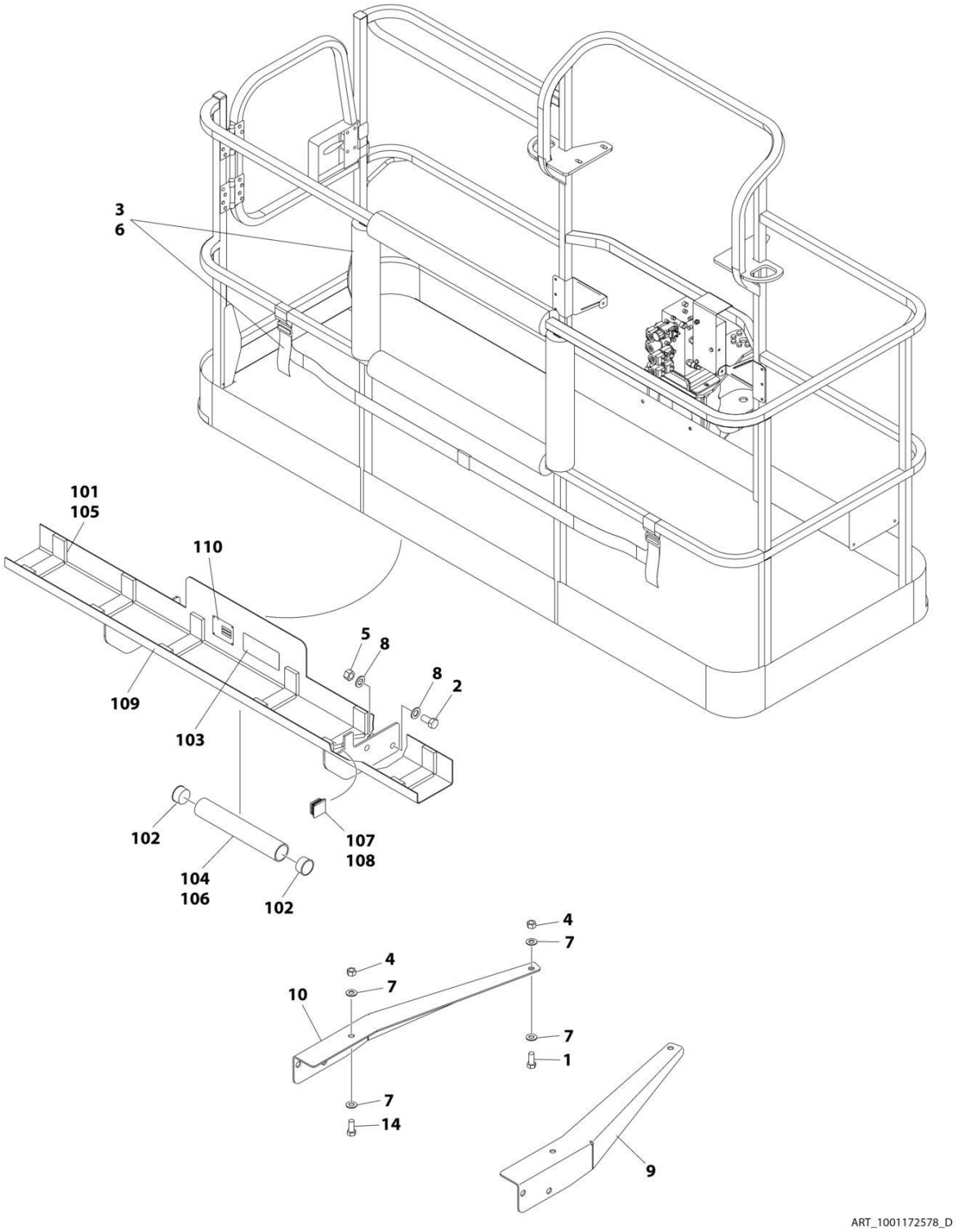


FIGURE 5-20. SKYGLAZIER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172578	Ref	SKYGLAZIER INSTALLATION	D
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	1001303430	1	Tray Assembly (Not Shown) (See Items 101-110 for Breakdown)	
14	8310129	2	Bolt 3/4 x 2-1/2	
	1001303430	Ref	TRAY ASSEMBLY	A
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	1701509	1	Decal - Manual	
104	3124242	1	Manual - Accessories	
105	3340956	1	Pad Kit	
106	3460334	1	Pipe	
107	3520071	2	Plug	
108	4420066	AR	Tape, Double Sided	
109	4846562	1	Weld, Glazier Shelf	
110	1001253726	1	Decal - Accessory	

FIGURE 5-21. SKYWELDER INSTALLATION (50HZ)

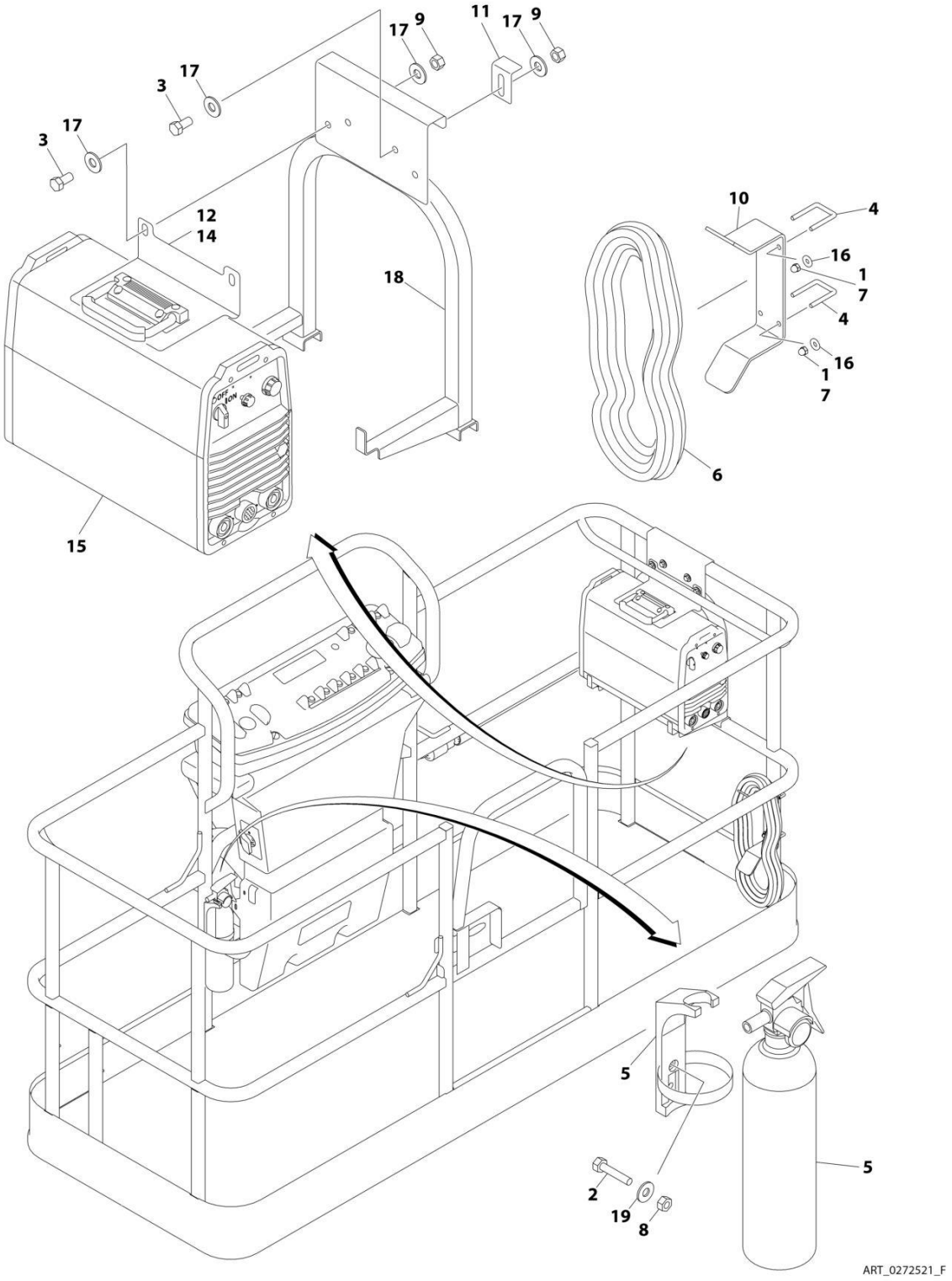


FIGURE 5-21. SKYWELDER INSTALLATION (50HZ)

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	

SECTION 5 - PLATFORM

FIGURE 5-22. SKYWELDER INSTALLATION (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

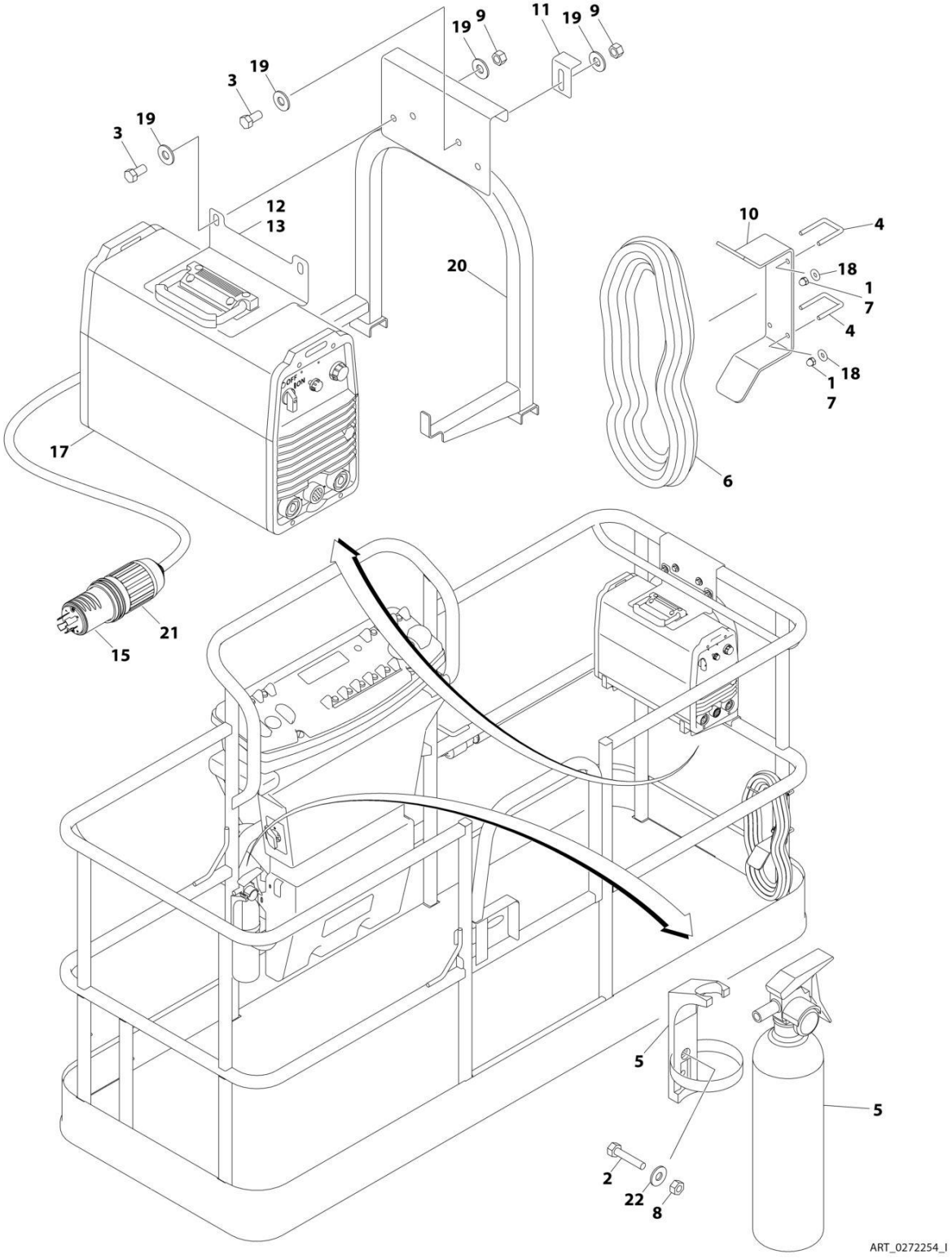


FIGURE 5-22. SKYWELDER INSTALLATION (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

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 5-23. SKYWELDER PREP PACKAGE (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

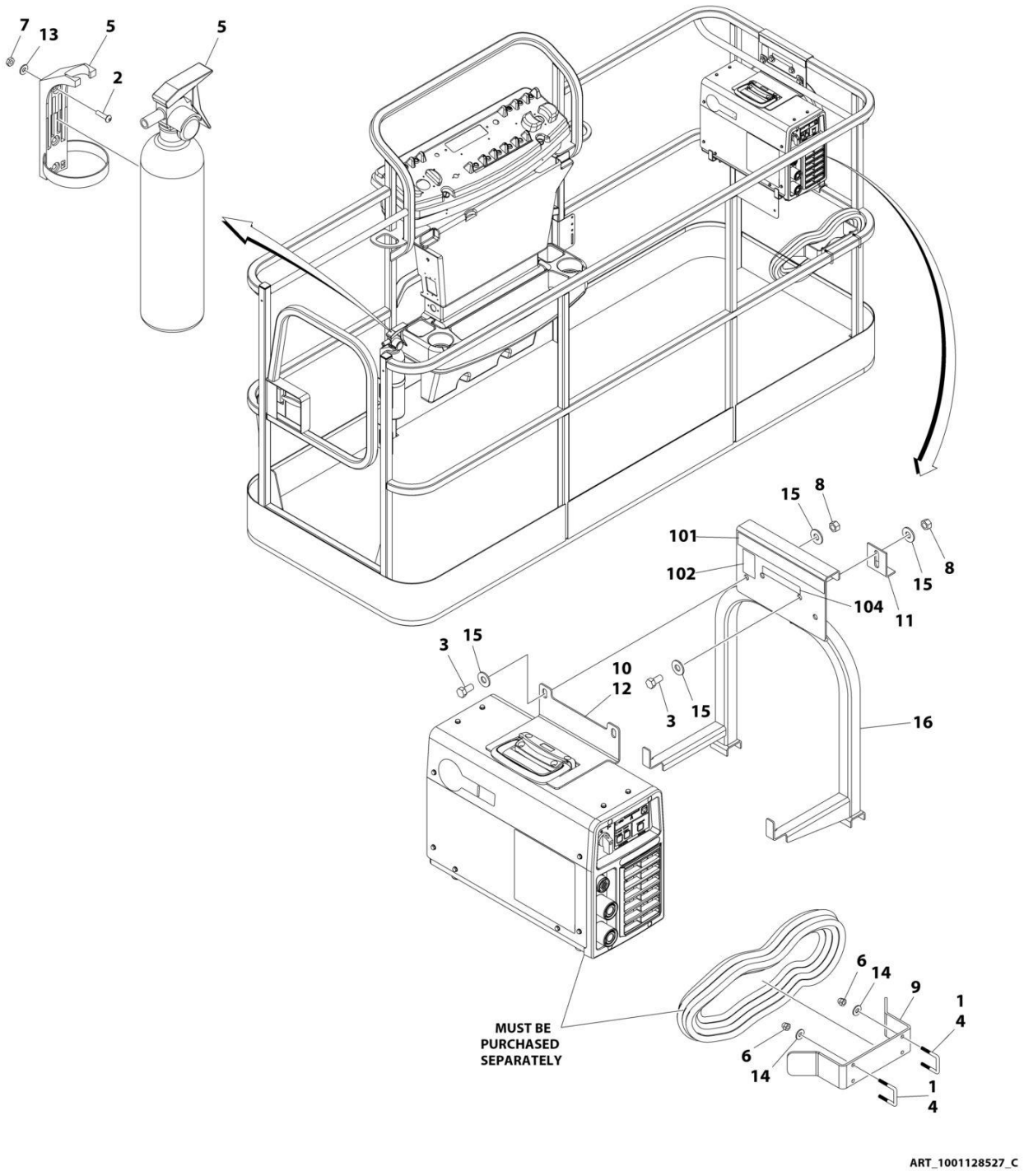


FIGURE 5-23. SKYWELDER PREP PACKAGE (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001128527	Ref	SKYWELDER PREP PACKAGE	C
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	1001269573	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	1001269322	1	Support	
	1001128556	Ref	SKYWELDER DECAL INSTALLATION	D
101	1702868	1	Decal - No Hands	
102	1705305	1	Decal - Weld Lead	
104	1001228988	1	Decal - Weight	

FIGURE 5-24. WELDER ASSEMBLY

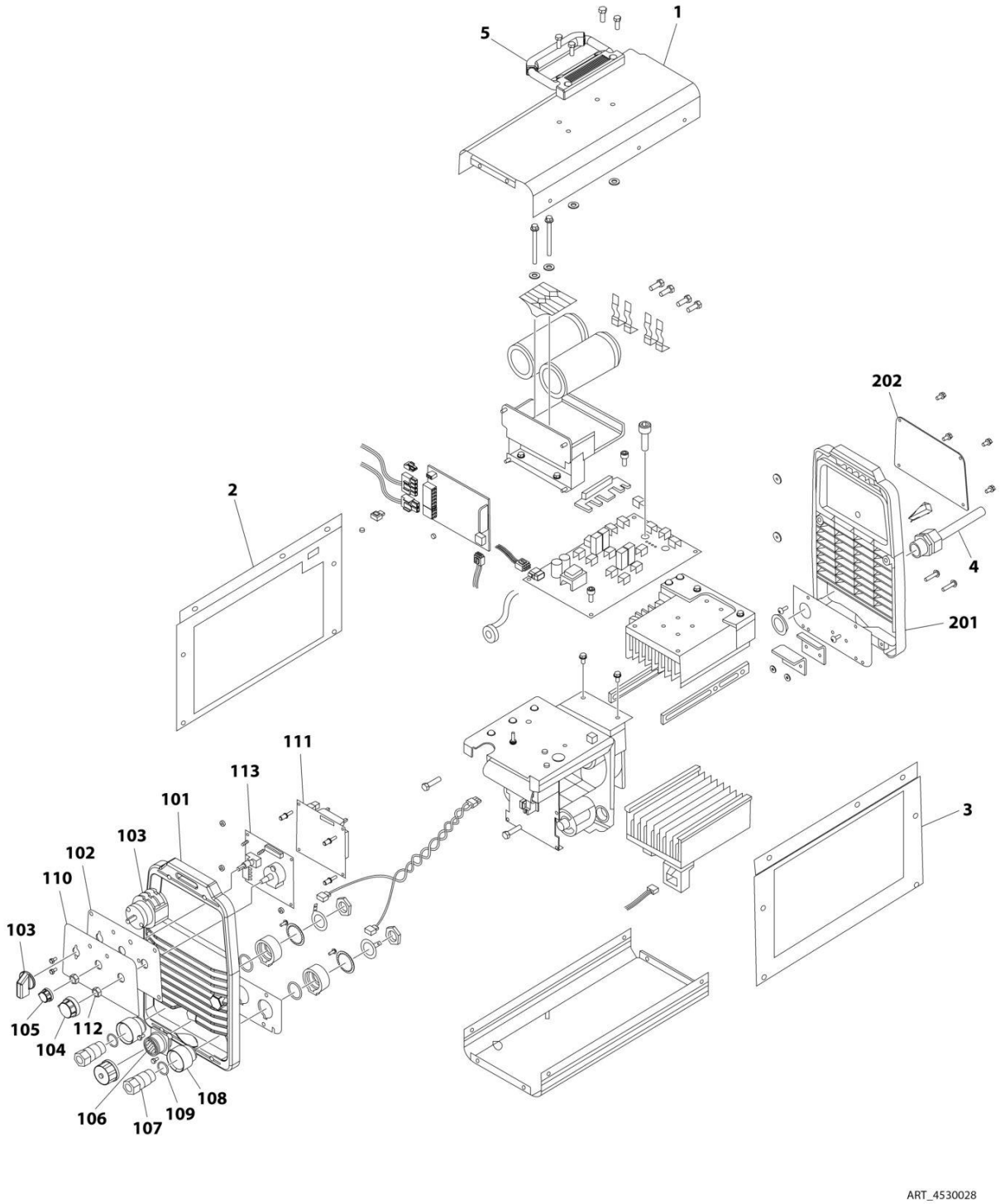


FIGURE 5-24. WELDER ASSEMBLY

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 5-25. SKYEYE INSTALLATION

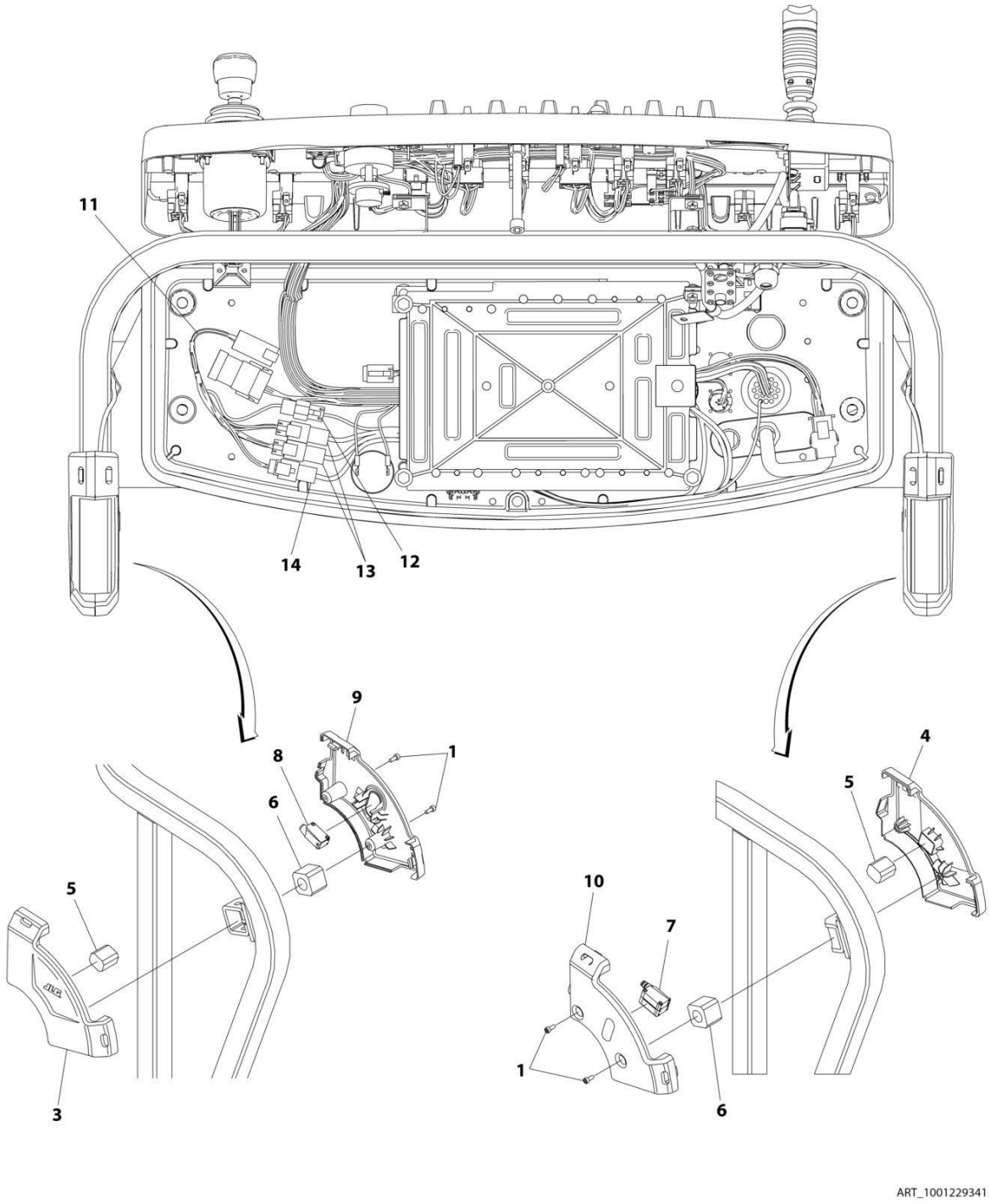


FIGURE 5-25. SKYEYE INSTALLATION

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. SKYLINE INSTALLATION

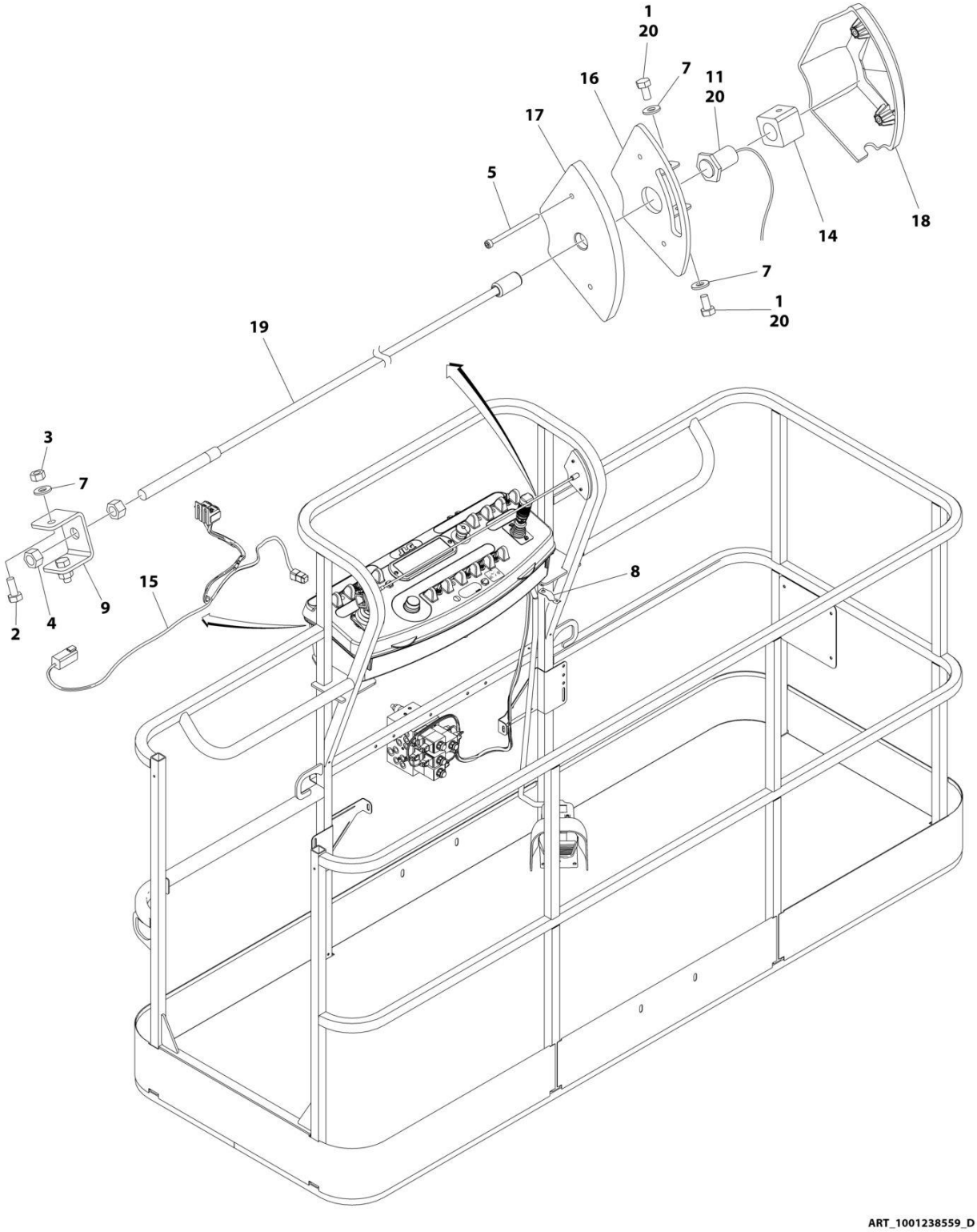


FIGURE 5-26. SKYLINE INSTALLATION

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	
11	1001311034	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 5-27. SKYSENSE MID TUBE SENSOR ASSEMBLY

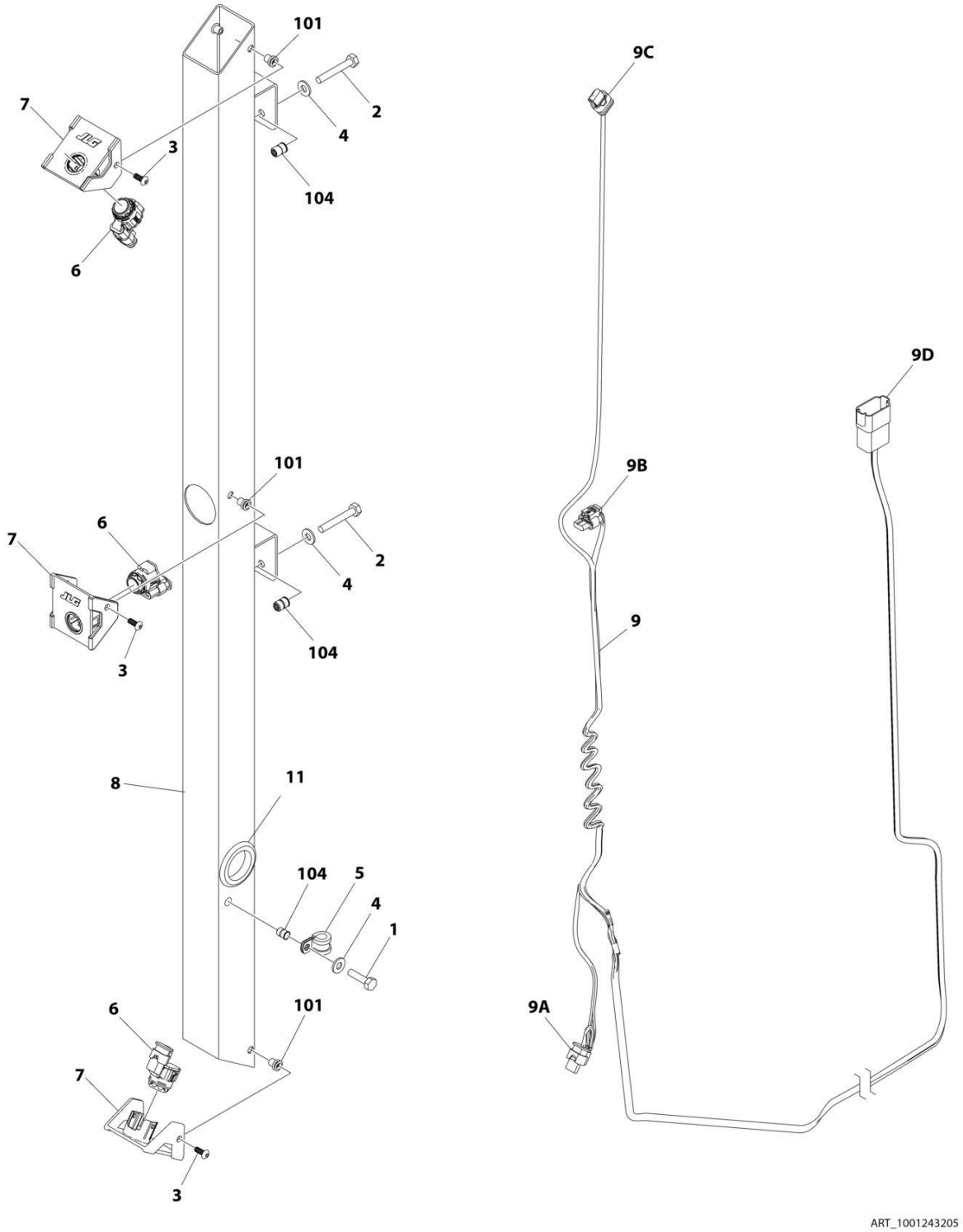


FIGURE 5-27. SKYSENSE MID TUBE SENSOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243205	Ref	SKYSENSE MID TUBE SENSOR ASSEMBLY	C
1	0641408	1	Bolt 1/4 x 1	
2	0641414	2	Bolt 1/4 x 1-3/4	
3	1001260525	6	Screw #10 x 1/2	
4	4711400	3	Washer 1/4	
5	1001260524	1	Clamp	
6	1001237902	3	Sensor, SkySense	
7	1001241162	3	Mount, Sensor	
8	1001243092	1	Tube Assembly (Includes items 101 through 104)	C
9	1001244336	1	Harness, SkySense Mid Tube	D
9A	1001237898	1	Connector	
9A	1001237888	3	Terminal	
9B	1001237898	1	Connector	
9B	1001237888	3	Terminal	
9C	1001237898	1	Connector	
9C	1001237888	3	Terminal	
9D	4460931	1	Connector	
9D	4460943	7	Pin	
9D	4460466	1	Plug	
10	1001246389	1	Decal (Not Shown)	
11	1001247252	1	Grommet	
101	2080069	6	Fastener	
104	1001258730	3	Rivnut	

FIGURE 5-28. SKYSENSE OVERHEAD SENSOR ASSEMBLY

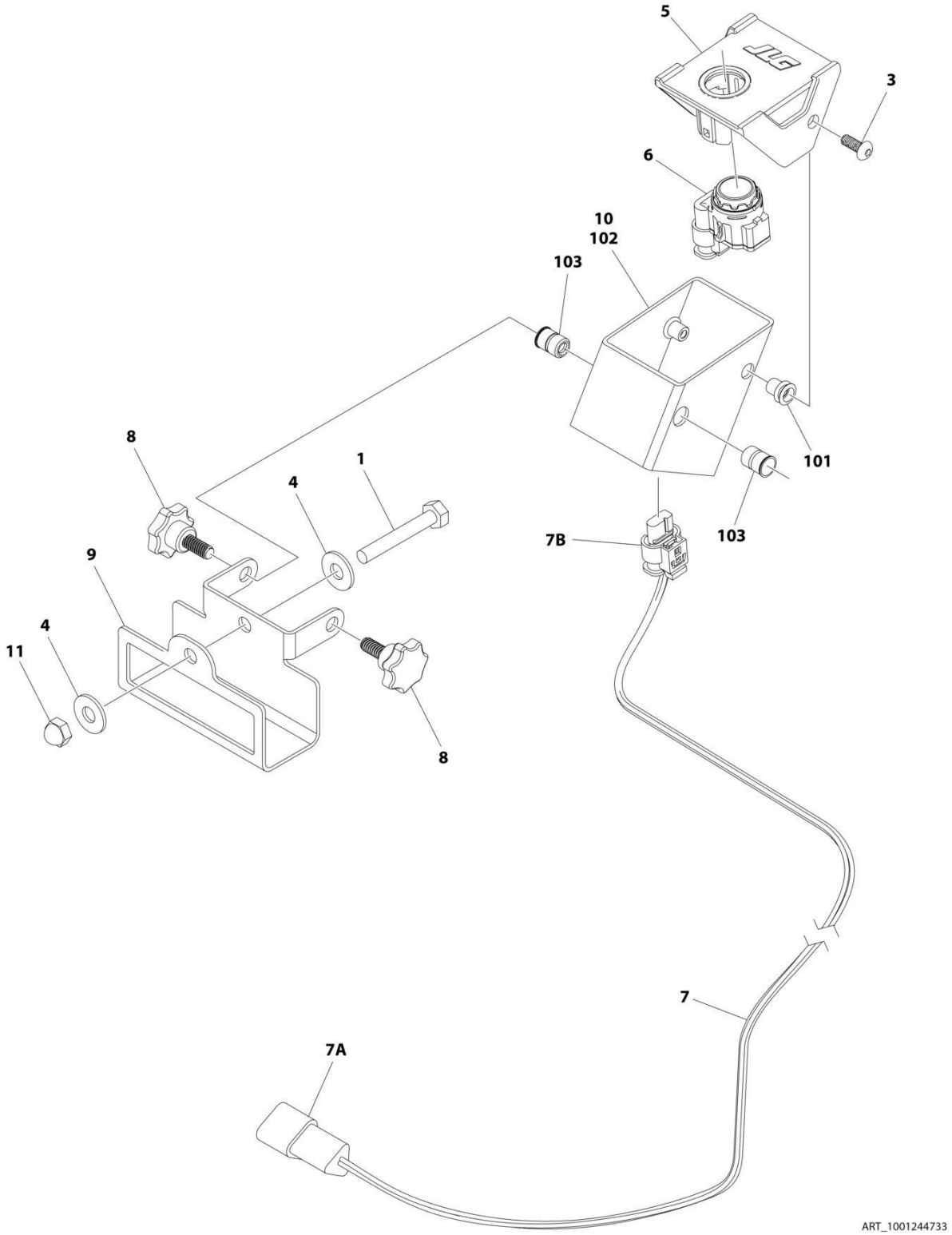


FIGURE 5-28. SKYSENSE OVERHEAD SENSOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244733	Ref	SKYSENSE OVERHEAD SENSOR ASSEMBLY	D
1	0641414	1	Bolt 1/4 x 1-3/4	
3	1001260525	2	Screw #10 x 1/2	
4	4751400	2	Washer 1/4	
5	1001237891	1	Mount, Sensor	
6	1001237902	1	Sensor, SkySense	
7	1001244335	1	Harness, SkySense Overhead	D
7A	4460536	1	Connector	
7A	4460943	3	Pin	
7B	1001237898	1	Connector	
7B	1001237888	1	Terminal	
8	1001244671	2	Knob	
9	1001244709	1	Bracket, Mounting	
10	1001244732	1	Housing Assembly (Includes items 101 through 103)	B
11	3300430	1	Nut	
101	2080069	2	Fastener	
102	1001244710	1	Housing, Sensor	
103	1001258730	2	Rivnut	

FIGURE 5-29. TRAY INSTALLATION

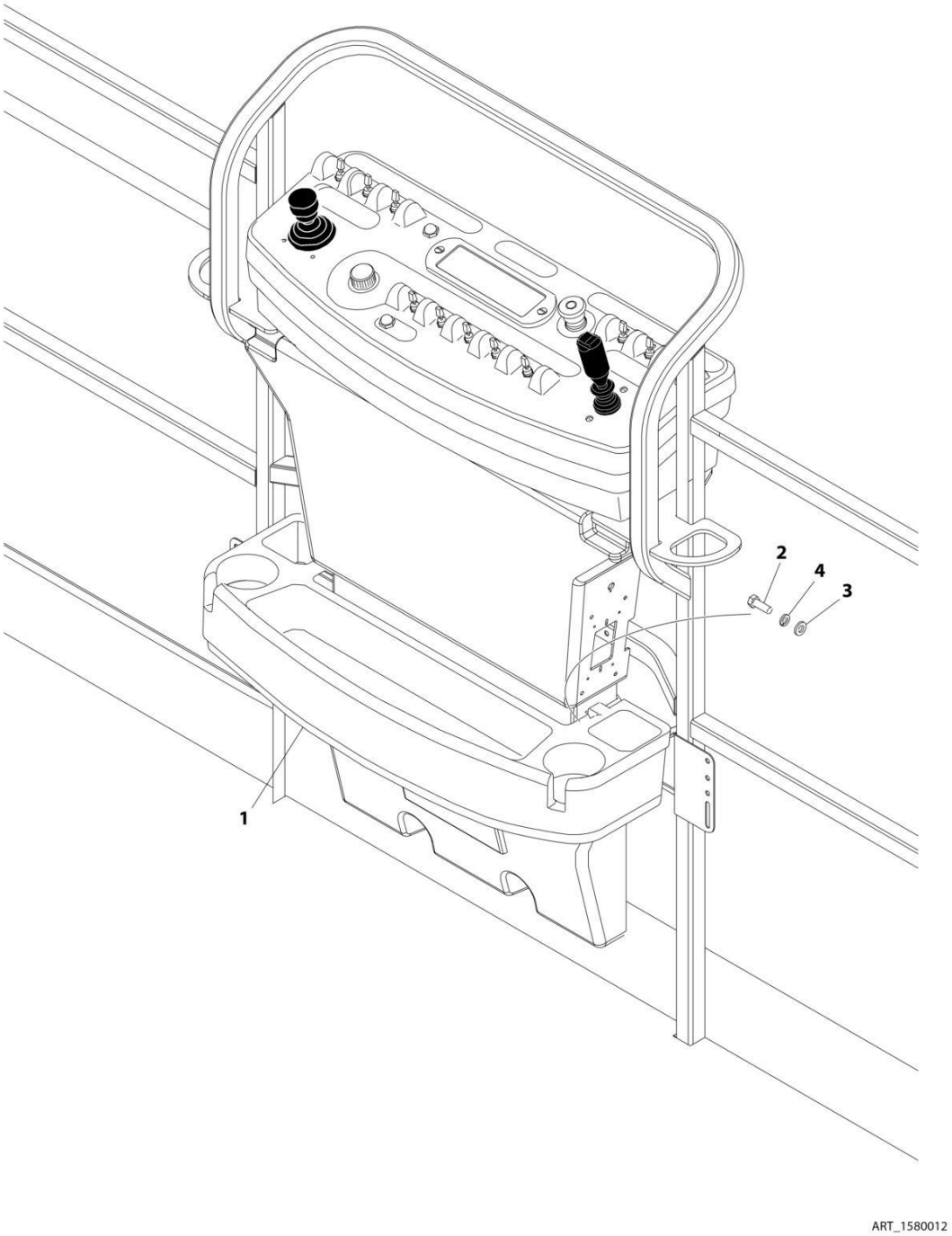


FIGURE 5-29. TRAY INSTALLATION

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. USB CHARGER INSTALLATION

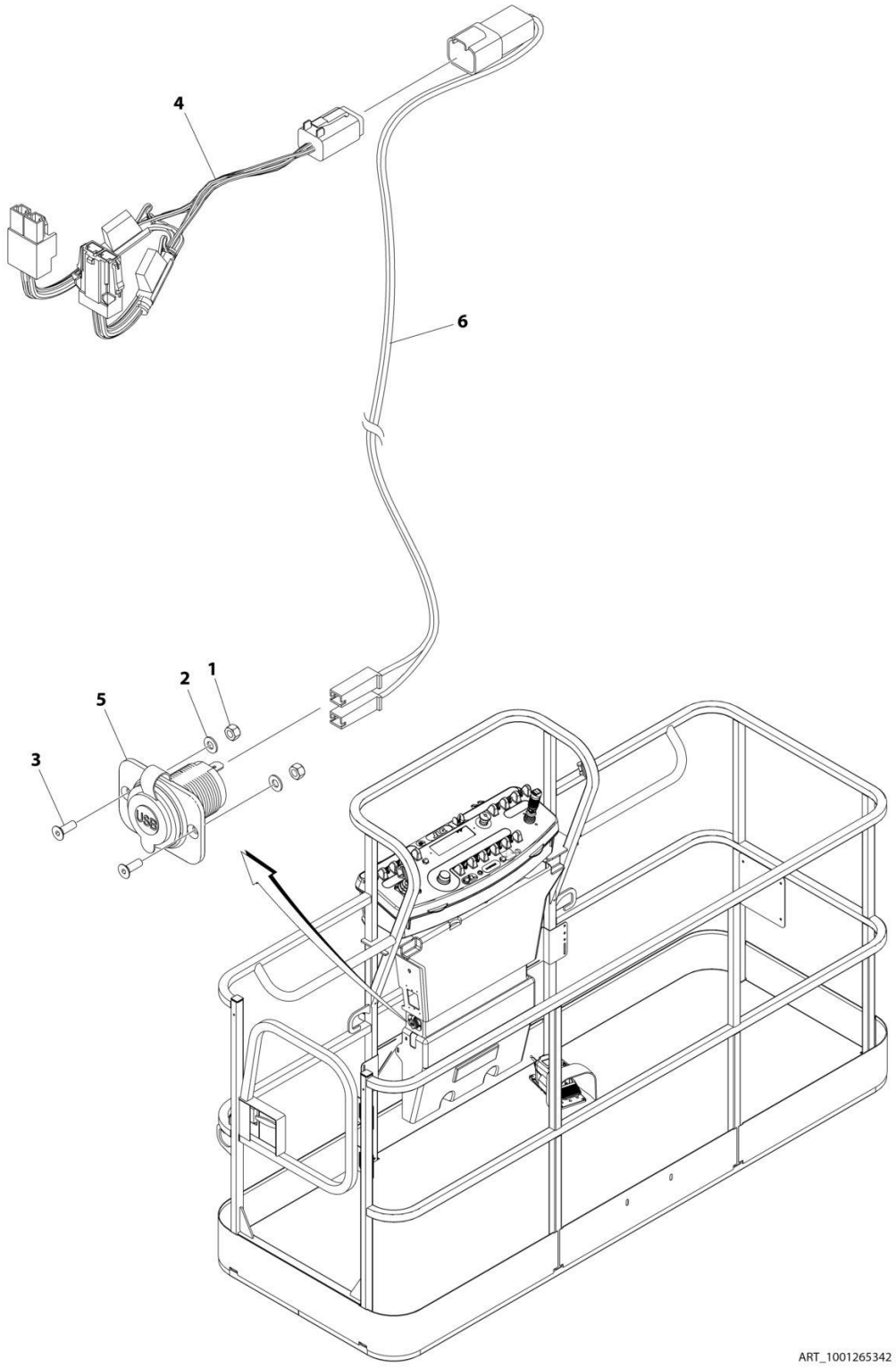


FIGURE 5-30. USB CHARGER INSTALLATION

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	

SECTION 6 - CYLINDER

SECTION 6 - CYLINDER

FIGURE 6-1. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY

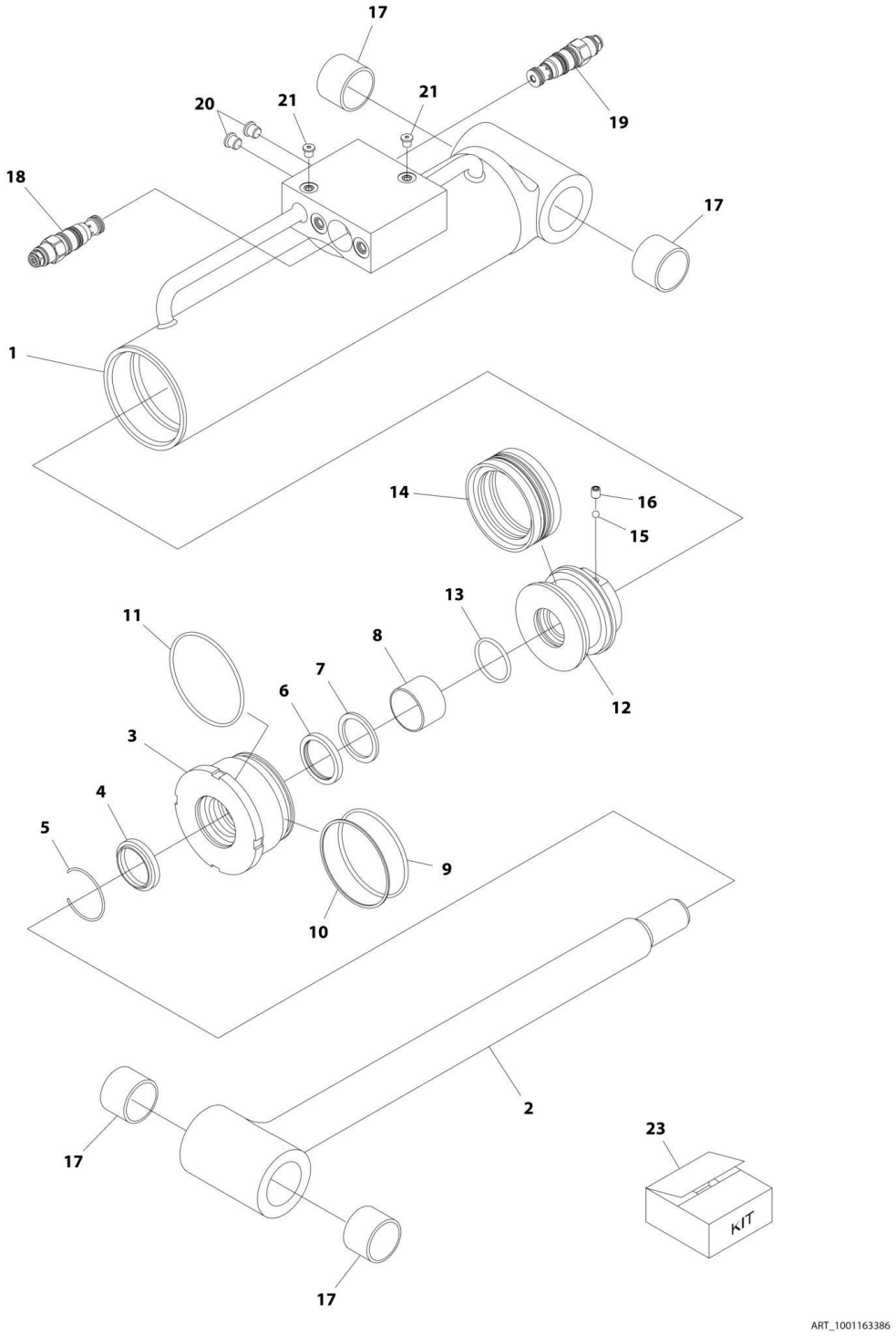


FIGURE 6-1. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY

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 6-2. LIFT CYLINDER ASSEMBLY - MAIN BOOM

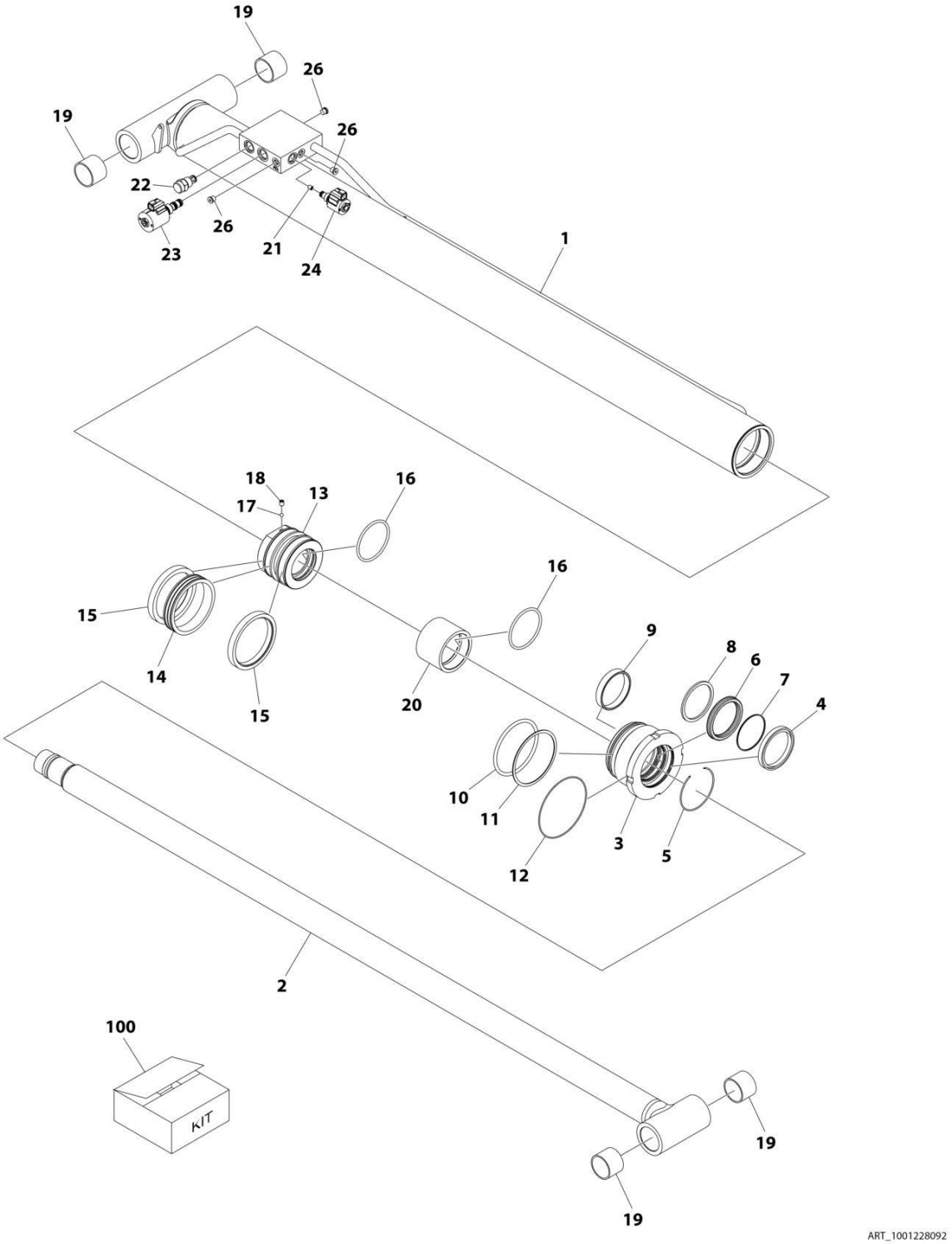


FIGURE 6-2. LIFT CYLINDER ASSEMBLY - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228092	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 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 6-3. LIFT CYLINDER ASSEMBLY - JIB (460SJC)

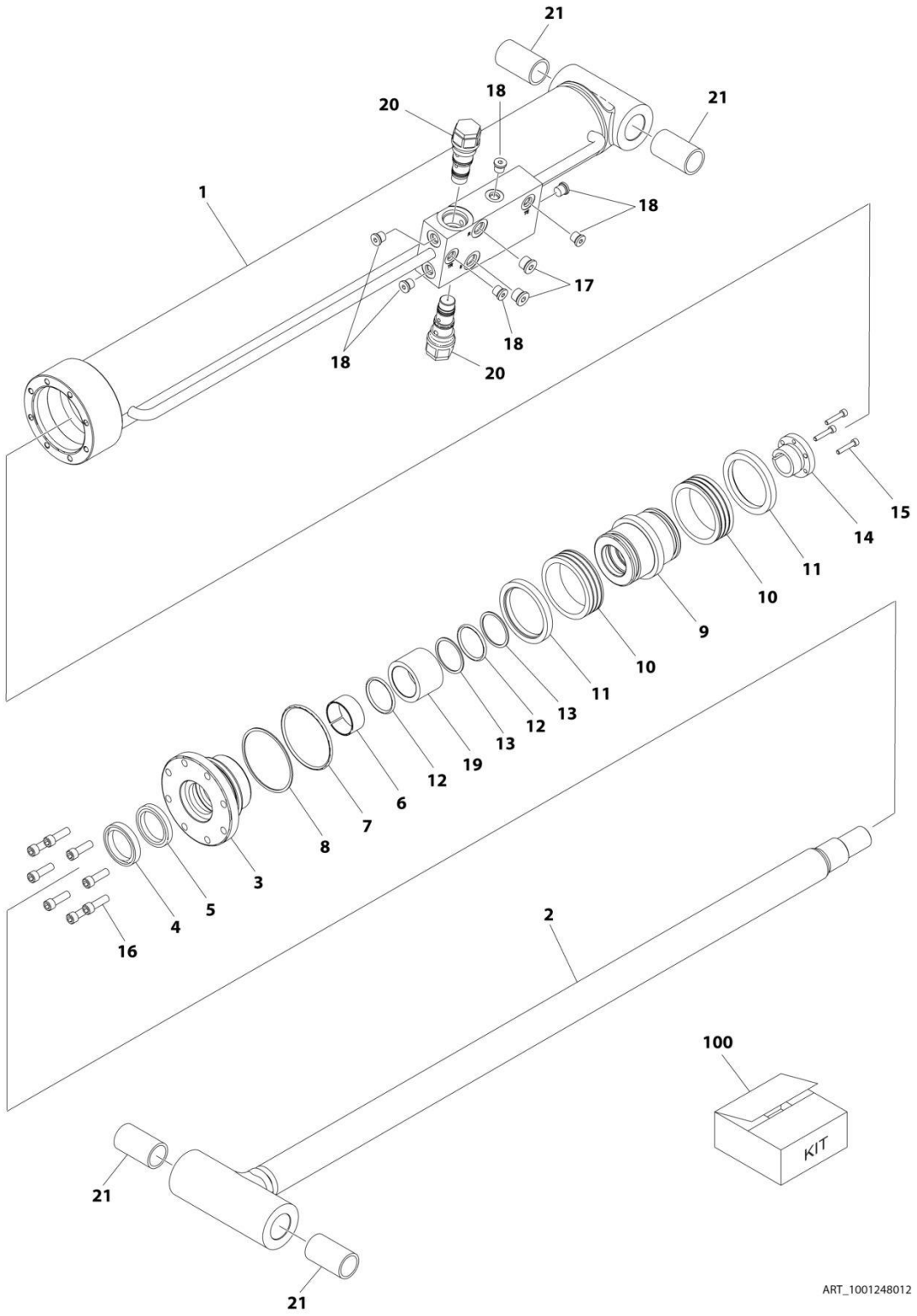


FIGURE 6-3. LIFT CYLINDER ASSEMBLY - JIB (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248012	Ref	LIFT CYLINDER ASSEMBLY - JIB	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: 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	2	Cartridge, Valve	
20	2900792	2	Seal Kit - 4640509 Valve	
21	0962336	4	Bushing	
100	1001138795	1	Seal Kit (Includes Items 4-8 & 10-13)	

SECTION 6 - CYLINDER

FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB (460SJC)

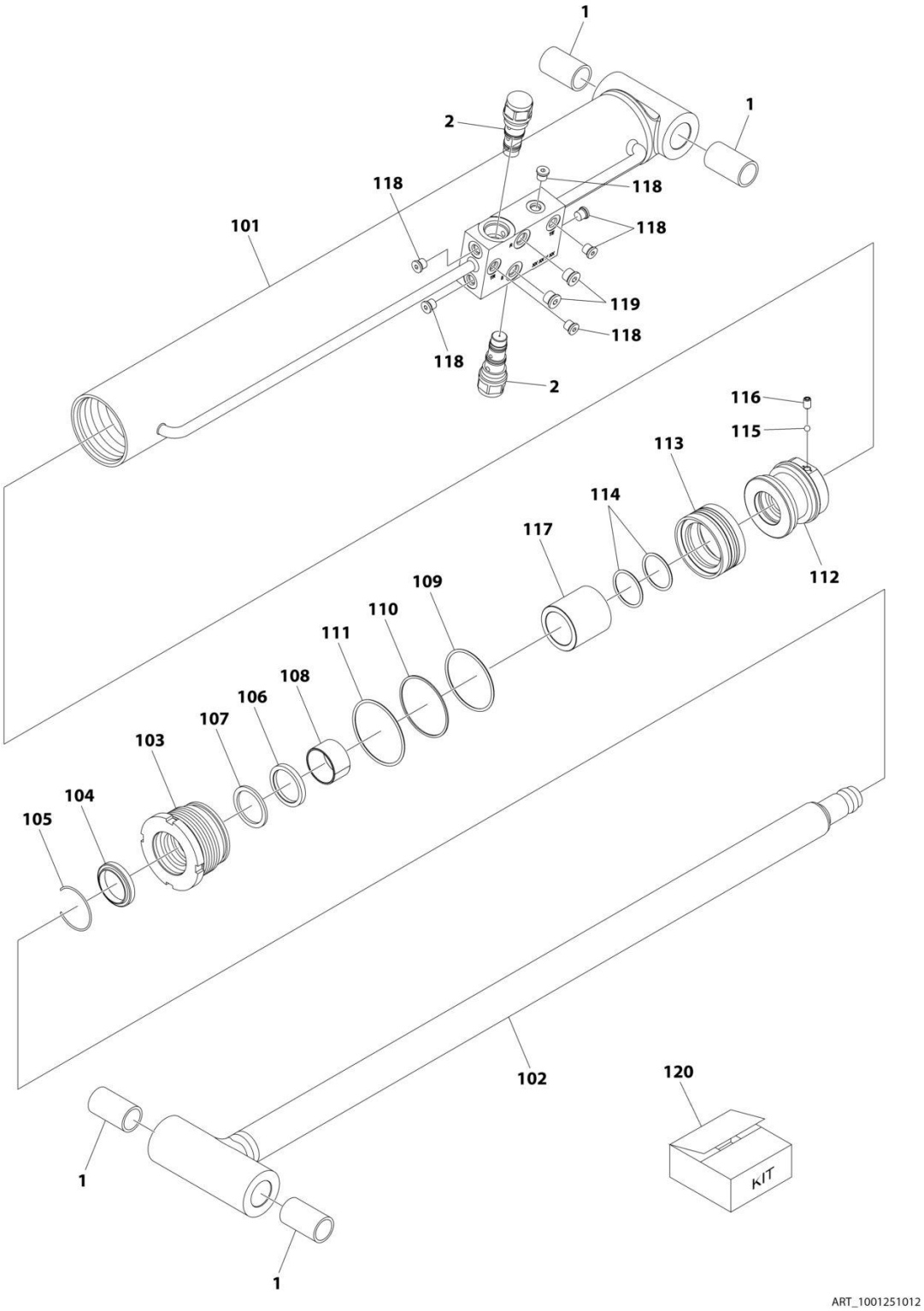


FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251012	Ref	LIFT CYLINDER ASSEMBLY - JIB	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0962336	4	Bushing	
2	4640509	2	Cartridge, Valve	
2	2900792	2	Seal Kit - 4640509 Valve	
101	See Note	NSS	Tube (Note: Not Available for Purchase)	
102	70008175	1	Rod	
103	70008176	1	Head	
104	See Note	NSS	Wiper, Dust (Note: Use Item 120)	
105	70002373	1	Ring, Retaining	
106	See Note	NSS	Seal, Rod (Note: Use Item 120)	
107	See Note	NSS	Ring, Backup (Note: Use Item 120)	
108	70005871	1	Bushing	
109	See Note	NSS	O-Ring (Note: Use Item 120)	
110	See Note	NSS	Ring, Backup (Note: Use Item 120)	
111	See Note	NSS	O-Ring (Note: Use Item 120)	
112	70008177	1	Piston	
113	See Note	NSS	Seal, Piston (Note: Use Item 120)	
114	See Note	NSS	O-Ring (Note: Use Item 120)	
115	70022564	1	Ball, Steel	
116	70006596	1	Setscrew	
117	70008178	1	Spacer	
118	2220883	6	Plug 7/16	
119	2220885	2	Plug 9/16	
120	70008179	1	Seal Kit (Includes Items 104, 106-107, 109-111 & 113-114)	

FIGURE 6-5. MASTER CYLINDER ASSEMBLY

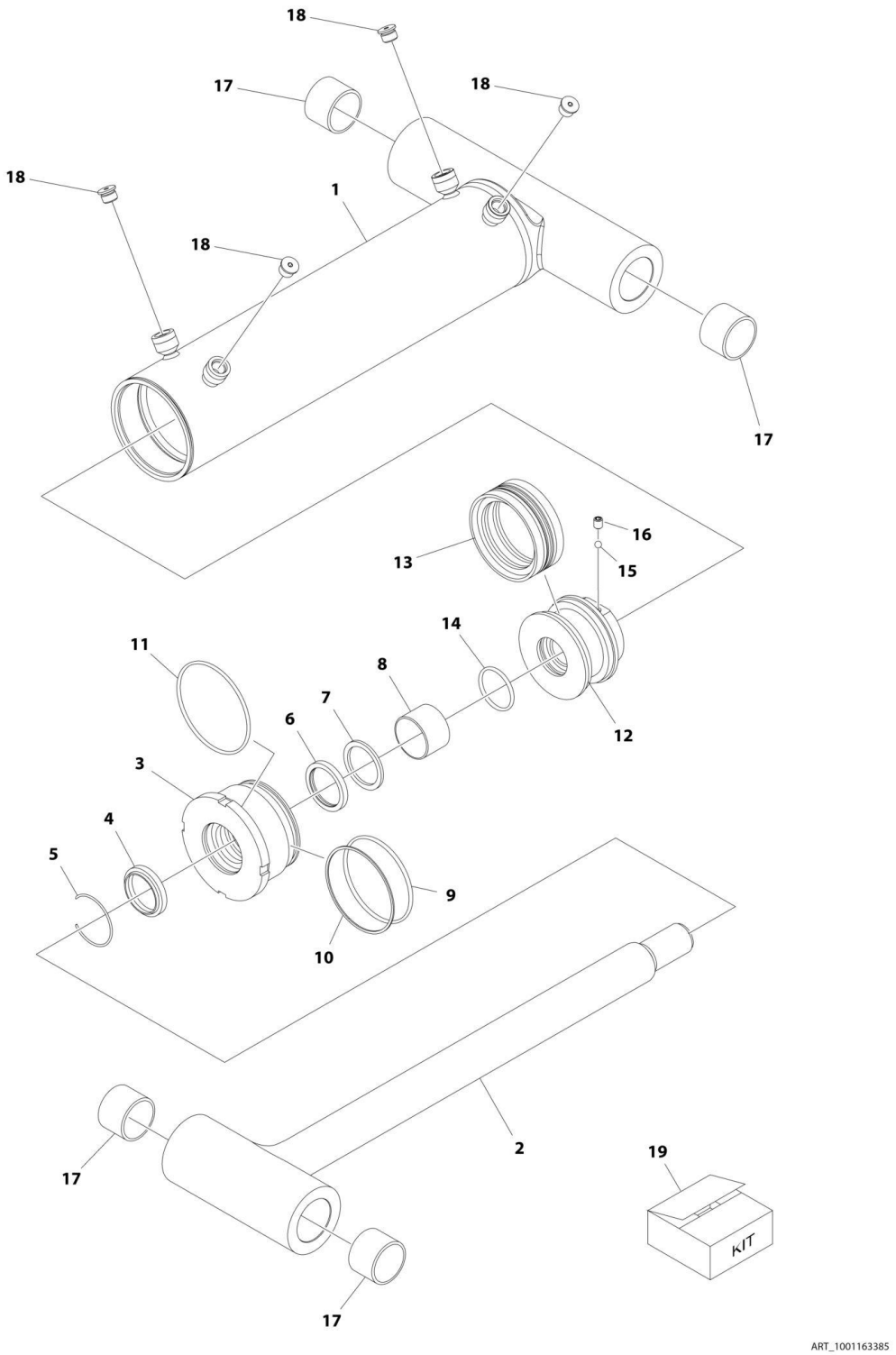


FIGURE 6-5. MASTER CYLINDER ASSEMBLY

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 6-6. TELESCOPE CYLINDER ASSEMBLY

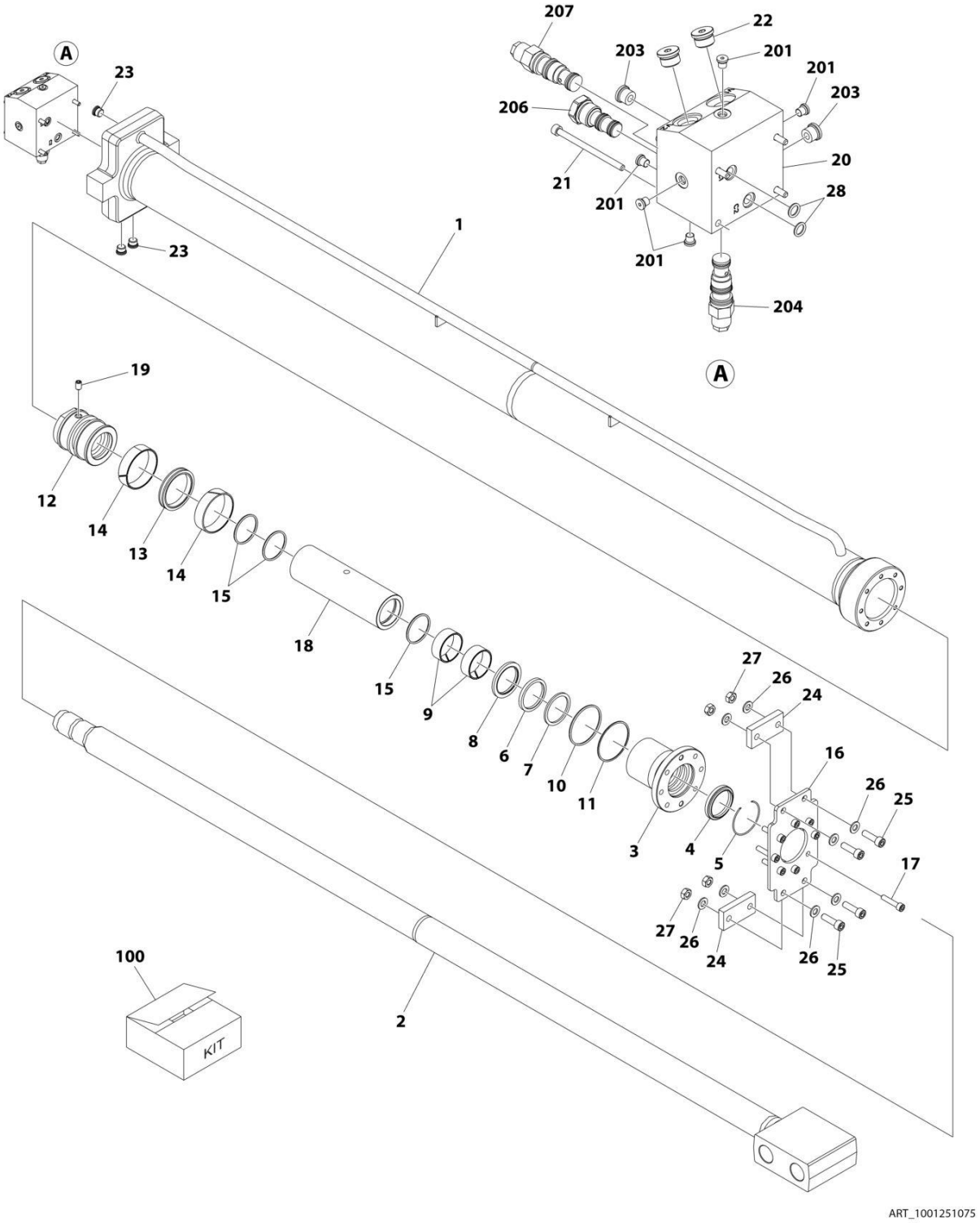
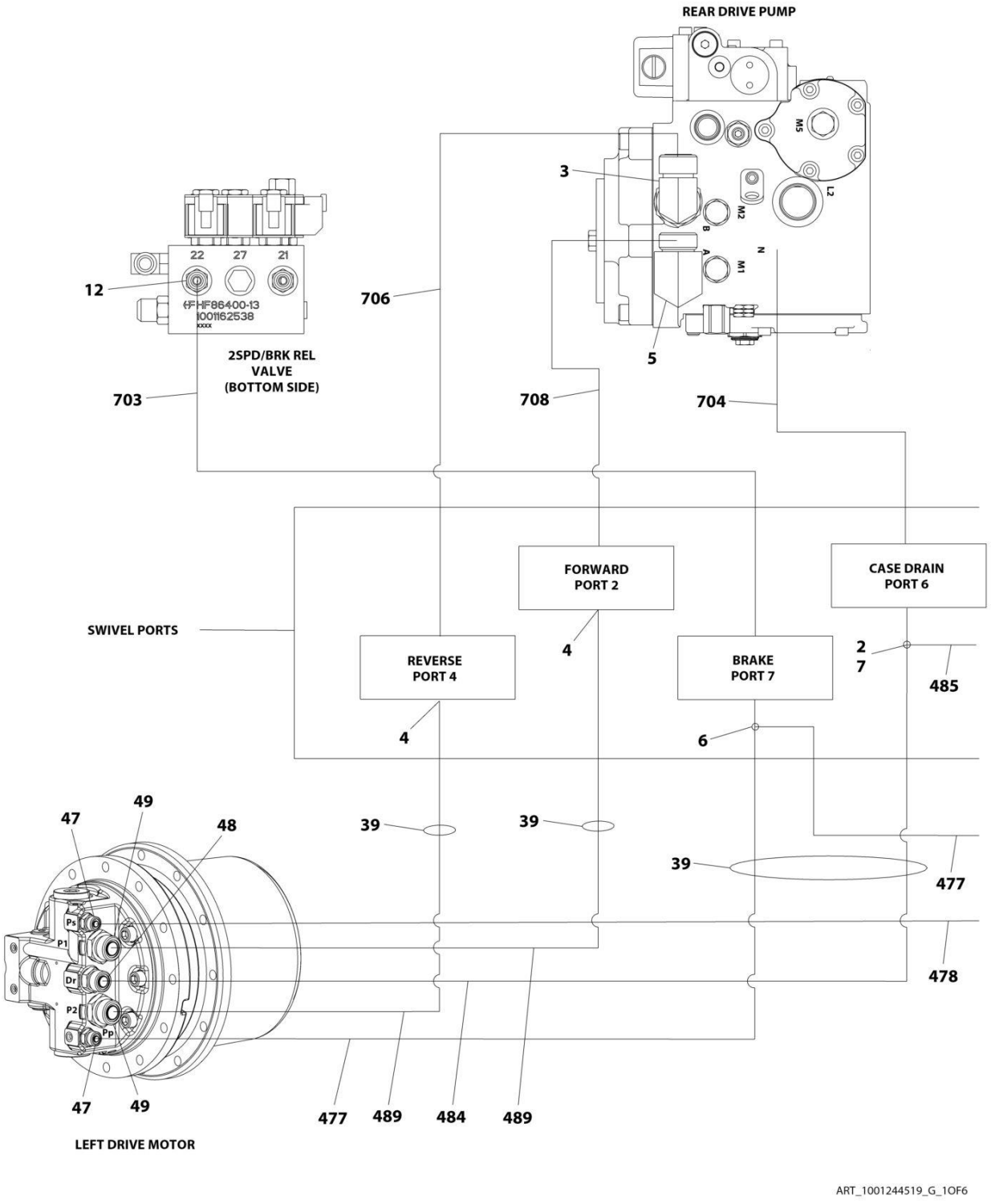


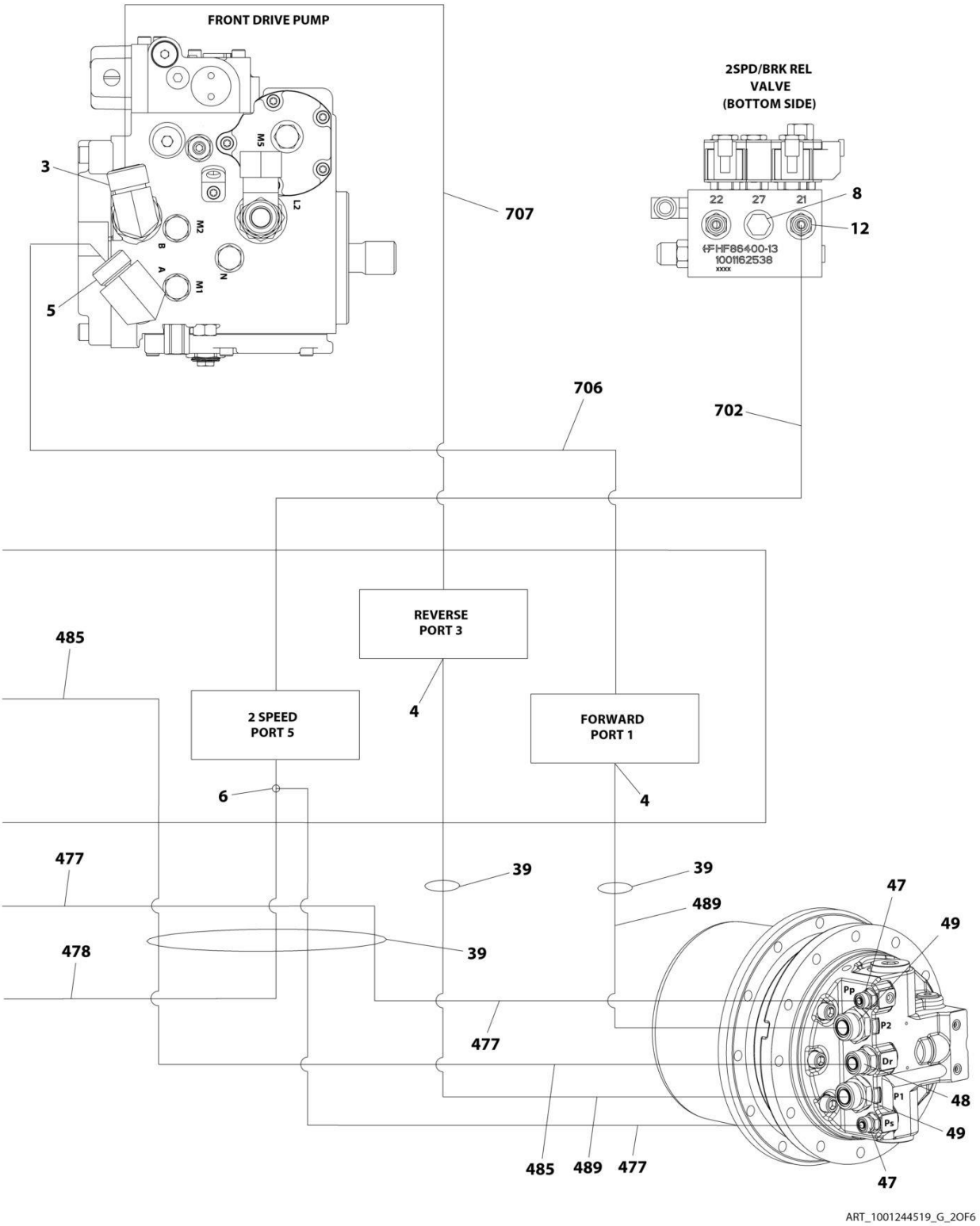
FIGURE 6-6. TELESCOPE CYLINDER ASSEMBLY

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	

SECTION 7 - HYDRAULIC

FIGURE 7-1. HYDRAULIC DIAGRAM (400SC)




FRONT DRIVE PUMP
2SPD/BRK REL
VALVE
(BOTTOM SIDE)
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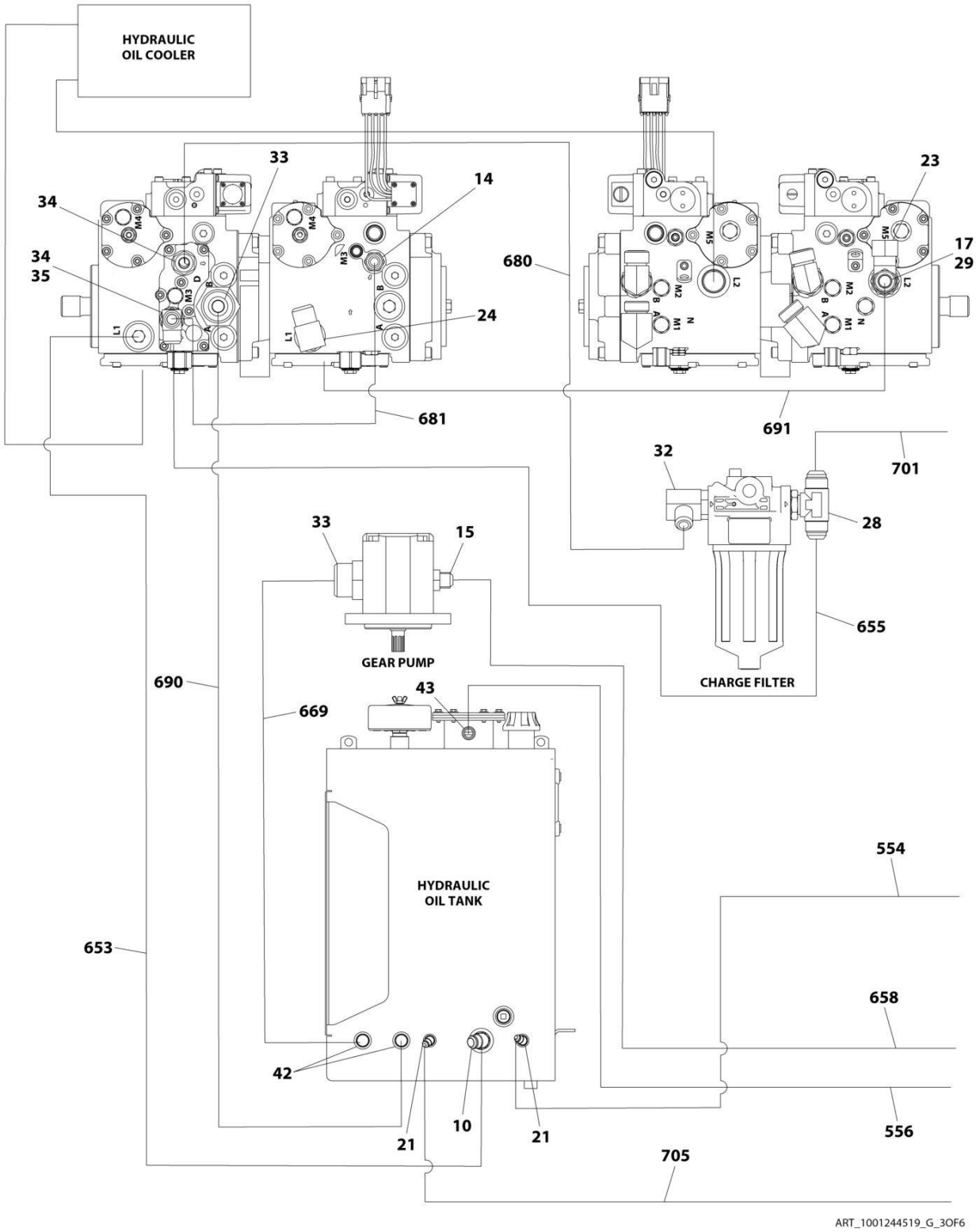
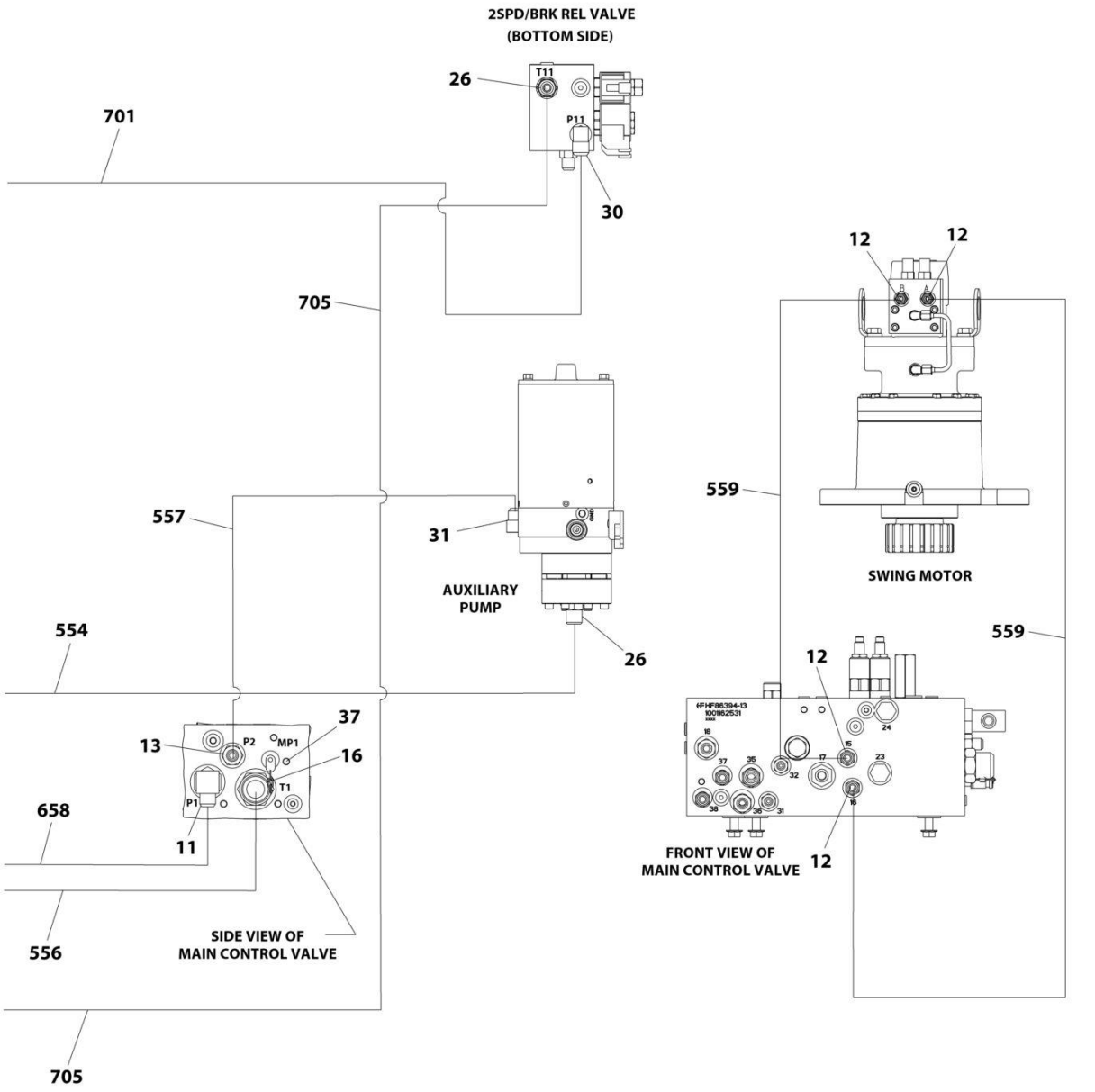
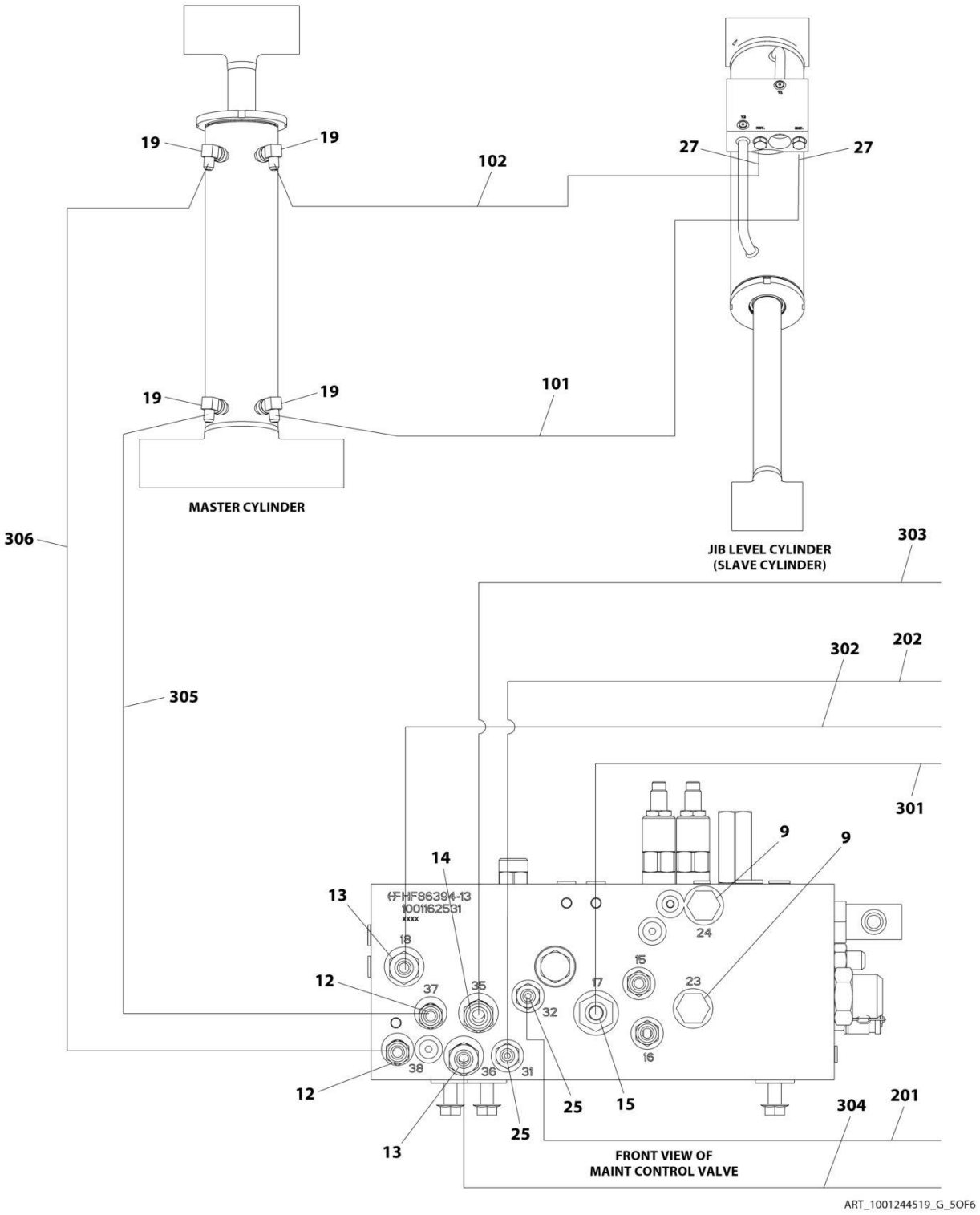
27
21
8
12
(-)FHF86400-13
1001162538
xxxx
3
5
707
706
702
485
REVERSE
PORT 3
4
2 SPEED
PORT 5
FORWARD
PORT 1
6
4
477
39
39
489
47
49
478
39
Pp
P2
Dr
P1
Ps
48
49
47
477
485
489
477
ART_1001244519_G_2OF6

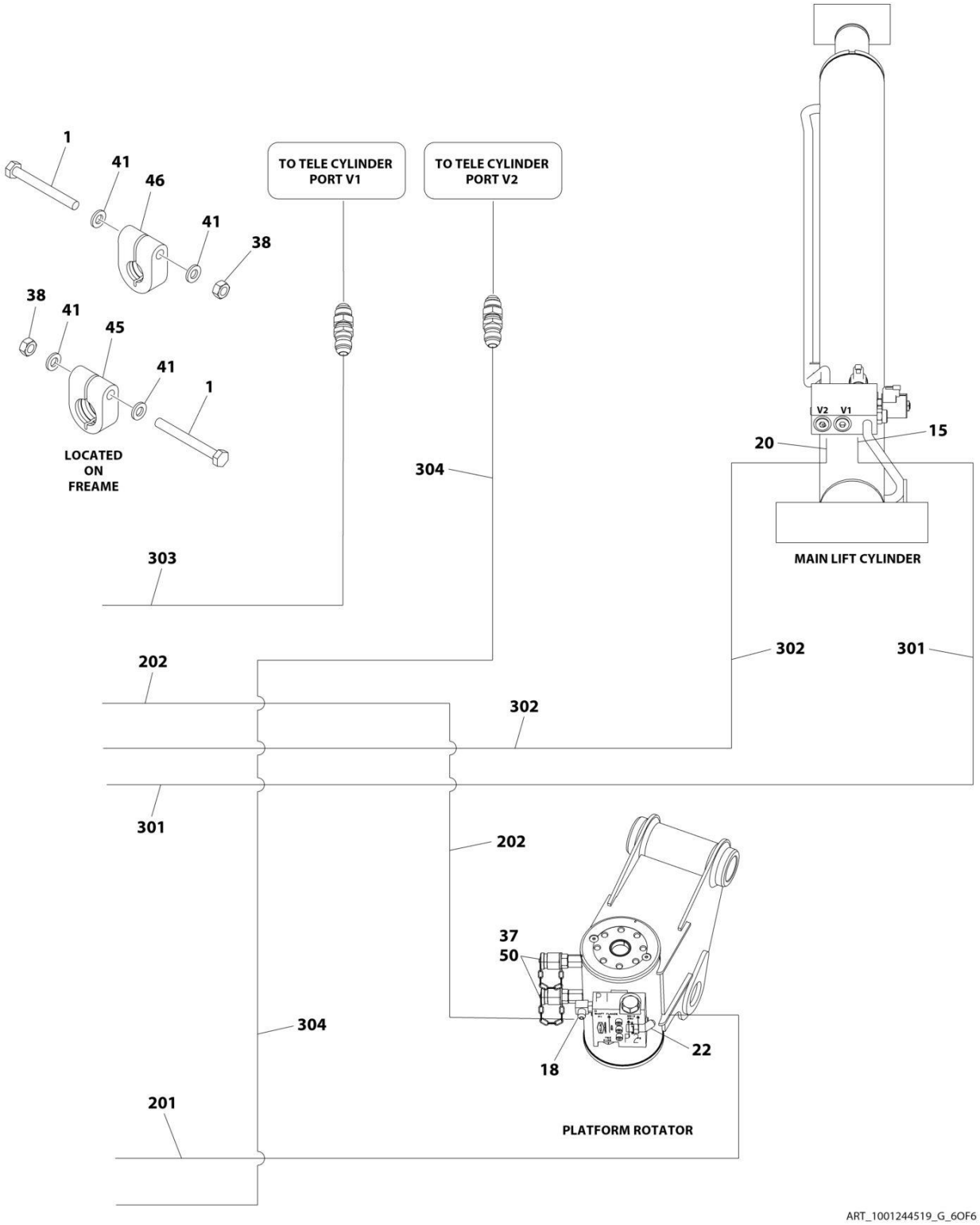
SECTION 7 - HYDRAULIC





ART_1001244519_G_4OF6


19
19
102
27
27
19
19
101
MASTER CYLINDER
306
JIB LEVEL CYLINDER
(SLAVE CYLINDER)
303
302
202
305
301
9
9
14
13
(FHF8639)-13
1001162531
xxxx
18
24
12
37
35
15
17
23
32
16
38
36
31
12
25
15
304
201
13
25
FRONT VIEW OF
MAINT CONTROL VALVE
ART_1001244519_G_5OF6


1
41
46
41
38
38
41
45
41
1
LOCATED ON FREAME
TO TELE CYLINDER PORT V1
TO TELE CYLINDER PORT V2
304
303
202
302
301
V2
V1
20
15
MAIN LIFT CYLINDER
302
301
202
37
50
304
22
18
201
PLATFORM ROTATOR
ART_1001244519_G_6OF6

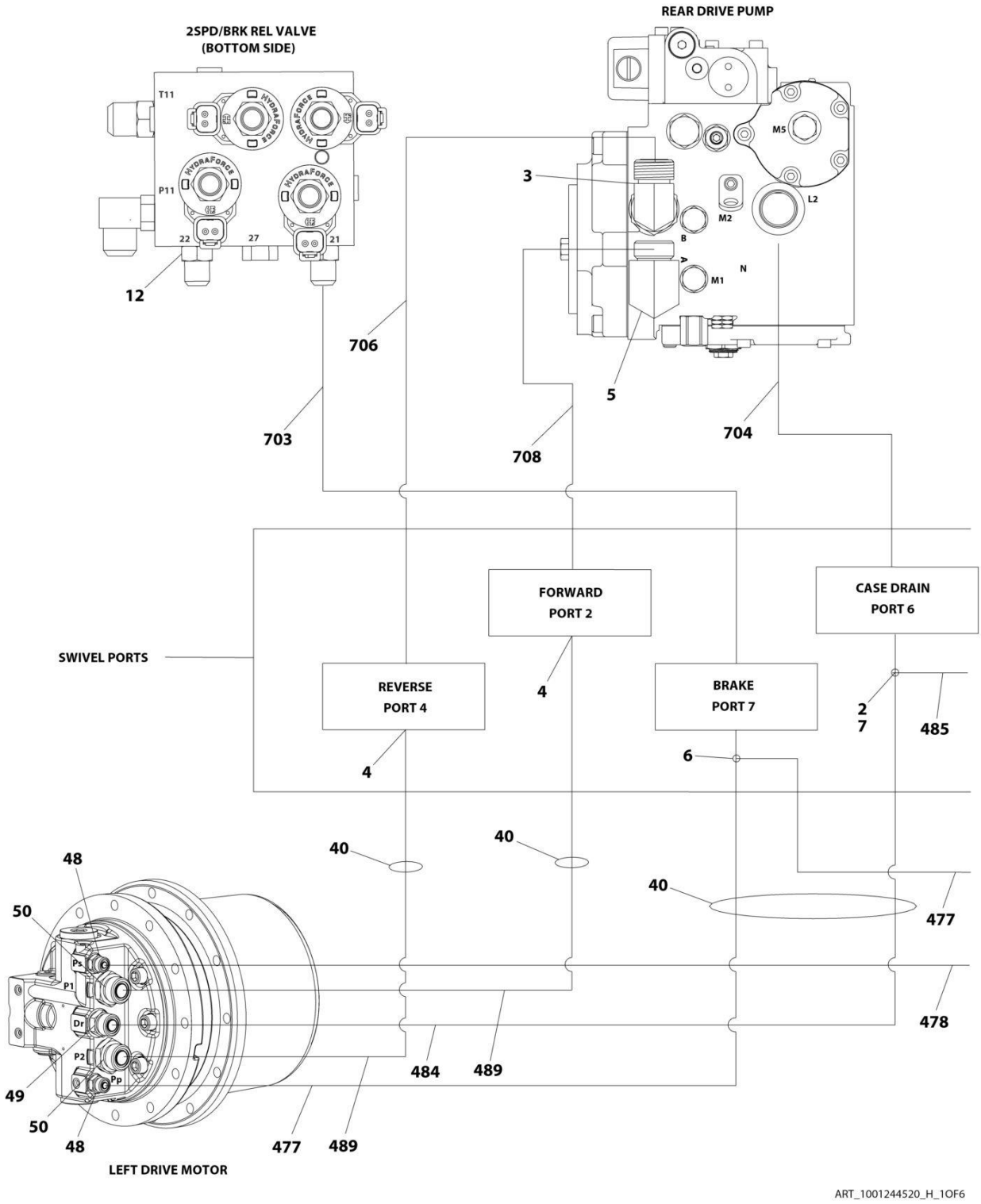
SECTION 7 - HYDRAULIC

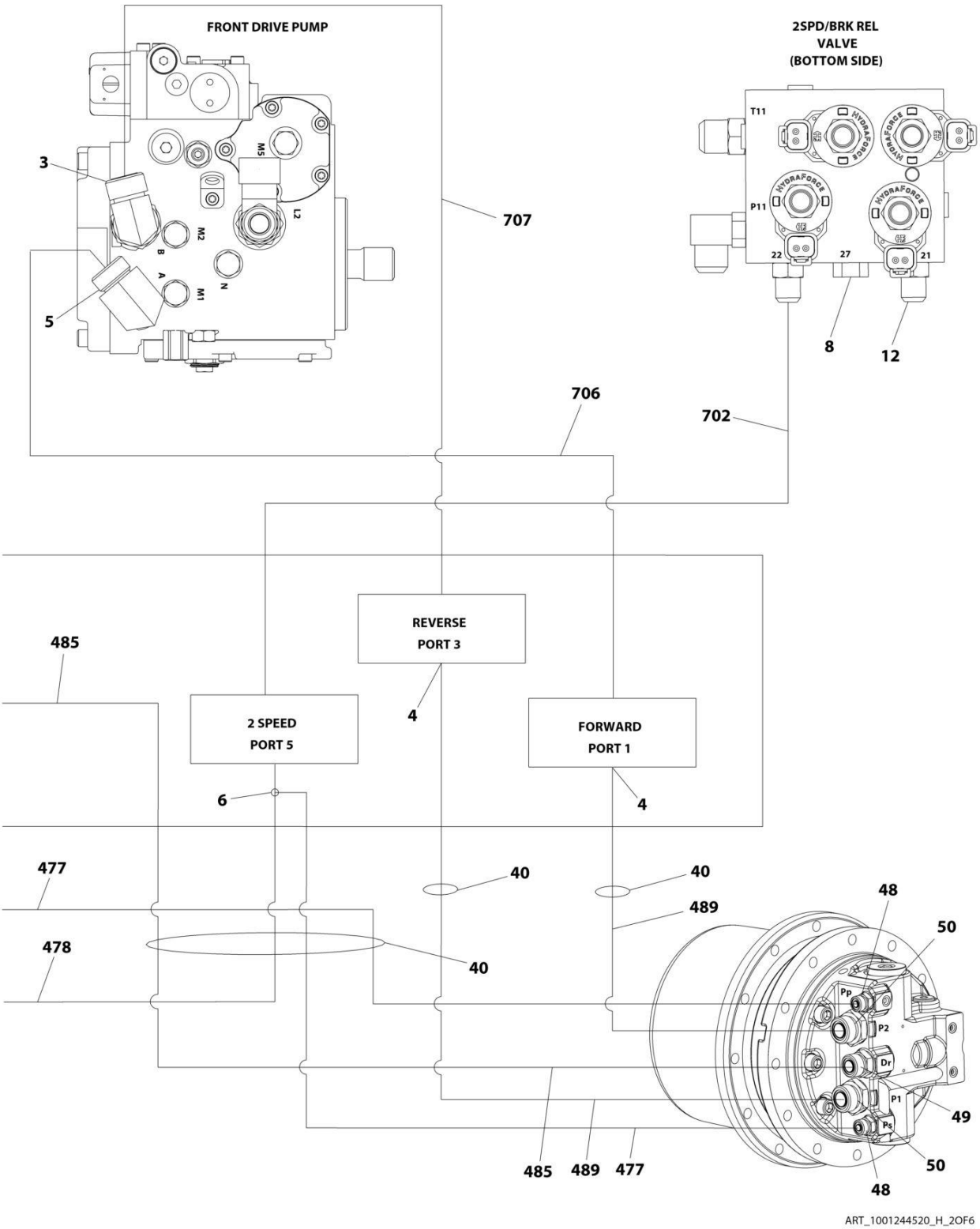
FIGURE 7-1. HYDRAULIC DIAGRAM (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244519	Ref	HYDRAULIC DIAGRAM	G
1	0760619	2	Bolt M6 x 55	
2	2110806	1	Fitting, Straight ORFS/ORB	
3	2131212	2	Fitting, 90 ORFS/ORB	
4	2151212	4	Fitting, 45 ORFS/ORB	
5	2170212	2	Fitting, 90 ORFS/ORB	
6	2170406	2	Fitting, Tee ORFS/ORB/ORFS	
7	2170808	1	Fitting, Tee ORFS/FSORFS/FORFS	
8	2220237	1	Plug	
9	2220238	2	Plug	
10	2220365	1	Fitting, 45 JIC/ORB	
11	2220366	1	Fitting, 90 JIC/ORB	
12	2220371	8	Fitting, Straight JIC/ORB	
13	2220372	4	Fitting, Straight JIC/ORB	
14	2220373	2	Fitting, Straight JIC/ORB	
15	2220374	3	Fitting, Straight JIC/ORB	
16	2220377	1	Fitting, Straight JIC/ORB	
17	2220451	1	Fitting, Straight JIC/ORB	
18	2220466	1	Fitting, 90 JIC/ORB	
19	2220473	4	Fitting, 90 JIC/ORB	
20	2220497	1	Fitting, Straight JIC/ORB	
21	2220500	2	Fitting, 45 JIC/ORB	
22	2220502	1	Fitting, 45 JIC/ORB	
23	2220518	1	Fitting, Cap FJIC	
24	2220578	1	Fitting, 90 JIC/ORB	
25	2220582	2	Fitting, Straight JIC/ORB	
26	2220600	2	Fitting, Straight JIC/ORB	
27	2220603	2	Fitting, Straight JIC/ORB	
28	2220695	1	Fitting, Tee JIC/ORB/JIC	
29	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
30	2220726	1	Fitting, 90 JIC/ORB	
31	2220775	1	Fitting, 90 JIC/ORB	
32	2220906	1	Fitting, 90 JIC/ORB	
33	2220946	2	Fitting, Straight JIC/ORB	
34	2220947	2	Fitting, Straight JIC/ORB	
35	2220948	1	Fitting, Tee JIC/FSJIC/JIC	
37	2221086	3	Fitting, Diagnostic Test Port	
38	3290601	2	Nut M6	
39	4100026	24 ft /8m	Sleeve, Hose Protection	
40	4240018	AR	Tie-Strap (Not Shown)	
41	4811700	4	Washer M6	
42	1001275635	2	Clamp	
43	1001098928	1	Clamp	
45	1001191275	1	Clamp	
46	1001191276	1	Clamp	
47	1001191362	4	Fitting, Straight ORFS/ORB	
48	1001191364	2	Fitting, Straight ORFS/ORB	
49	1001191365	4	Fitting, Straight ORFS/ORB	
50	2060404	2	Fitting, Straight FORB/ORB	
100	1001202940	1	Upper Boom Hose Kit (Includes Items 101-102) (Not Shown)	

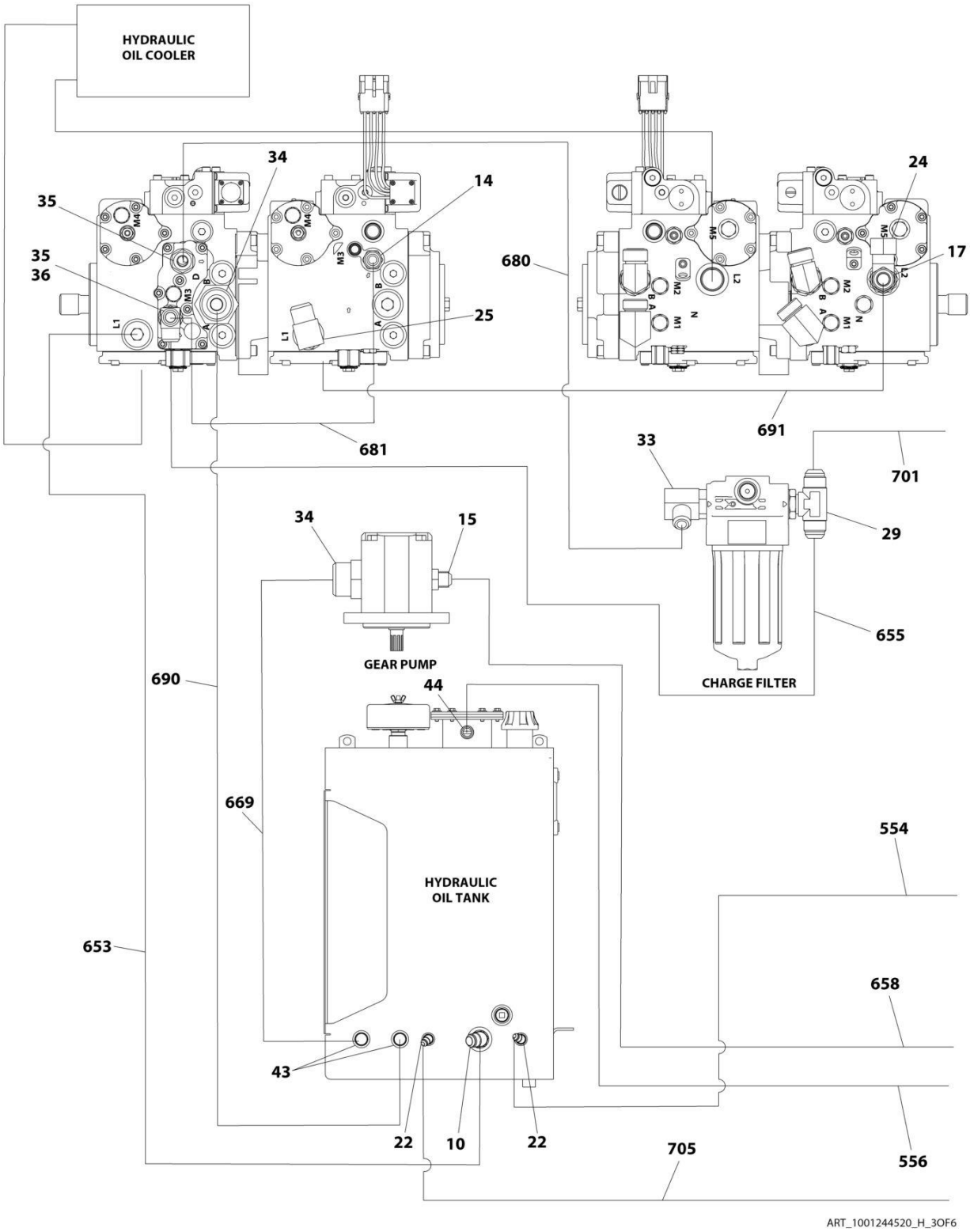
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001173909	1	Hose	
102	1001173937	1	Hose	
200	1001202941	1	S Boom Hose Kit (Includes Items 201-202) (Not Shown)	
201	1001172694	1	Hose	
202	1001172696	1	Hose	
300	1001202946	1	Turntable Hose Kit (Includes Items 301-306) (Not Shown)	
301	1001173901	1	Hose	
302	1001173902	1	Hose	
303	1001173903	1	Hose	
304	1001173904	1	Hose	
305	1001173907	1	Hose	
306	1001173908	1	Hose	
400	1001210251	1	Chassis Hose Kit (Includes Items 477-489) (Not Shown)	
477	1001193007	1	Hose	
478	1001193008	1	Hose	
484	1001193655	1	Hose	
485	1001193656	1	Hose	
489	1001244522	1	Hose	
500	1001210252	1	SC Tank Hose Kit (Includes Item 554-559) (Not Shown)	
554	1001172716	1	Hose	
556	1001172720	1	Hose	
557	1001172721	1	Hose	
559	1001173900	1	Hose	
600	1001210254	1	SC Engine Hose Kit (Includes Items 653-691) (Not Shown)	
653	1001172715	1	Hose	
655	1001172719	1	Hose	
658	1001173899	1	Hose	
669	1001193661	1	Hose	
680	1001193010	1	Hose	
681	1001193011	1	Hose	
690	1001172713	1	Hose	
691	1001110092	1	Hose	
700	1001244521	1	SC Swivel Hose Kit (Includes Items 701-708) (Not Shown)	
701	1001181075	1	Hose	
702	1001193003	1	Hose	
703	1001193006	1	Hose	
704	1001193009	1	Hose	
705	1001193654	1	Hose	
706	1001193657	1	Hose	
707	1001193658	1	Hose	
708	1001193659	1	Hose	

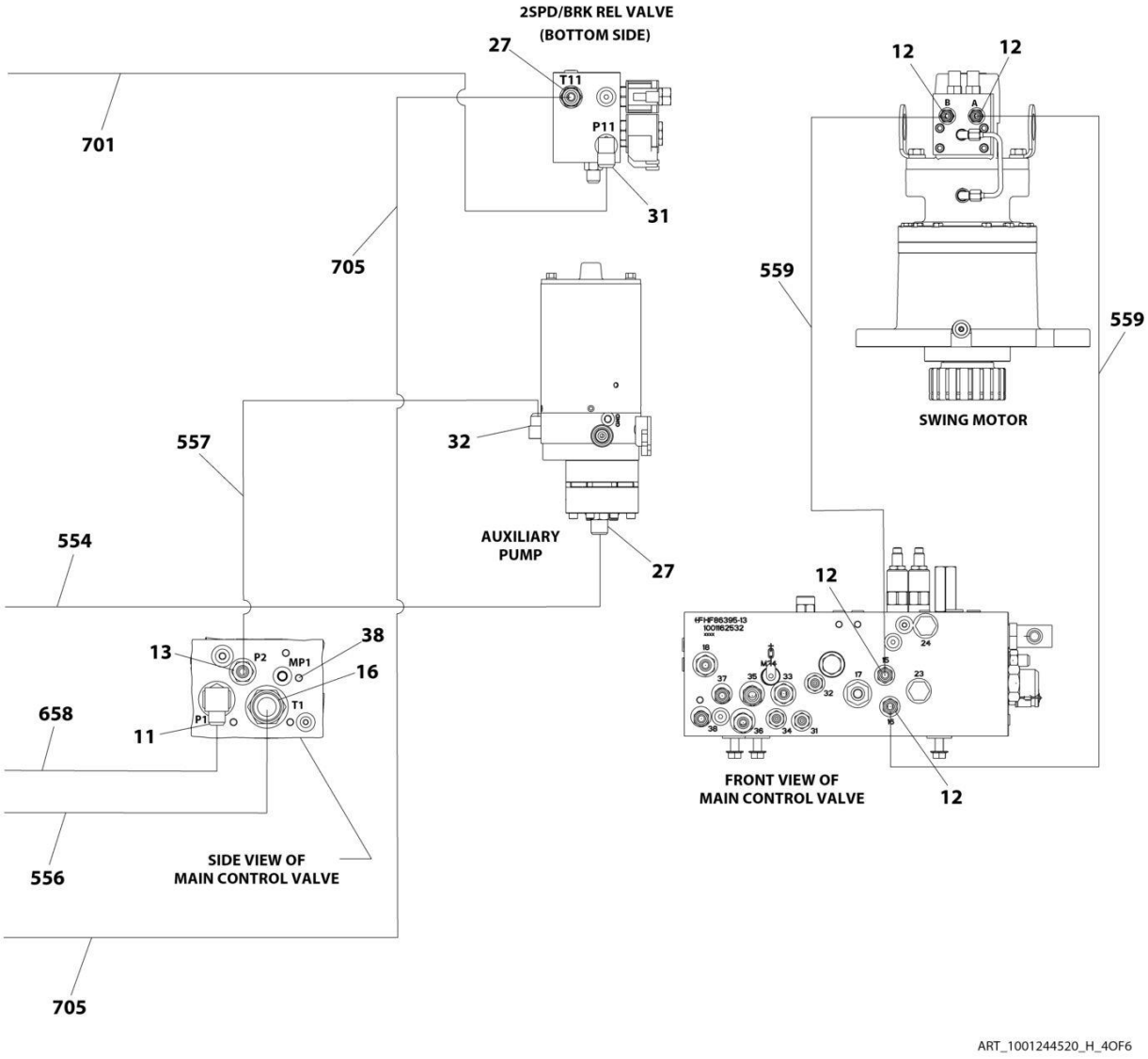
FIGURE 7-2. HYDRAULIC DIAGRAM (460SJC)



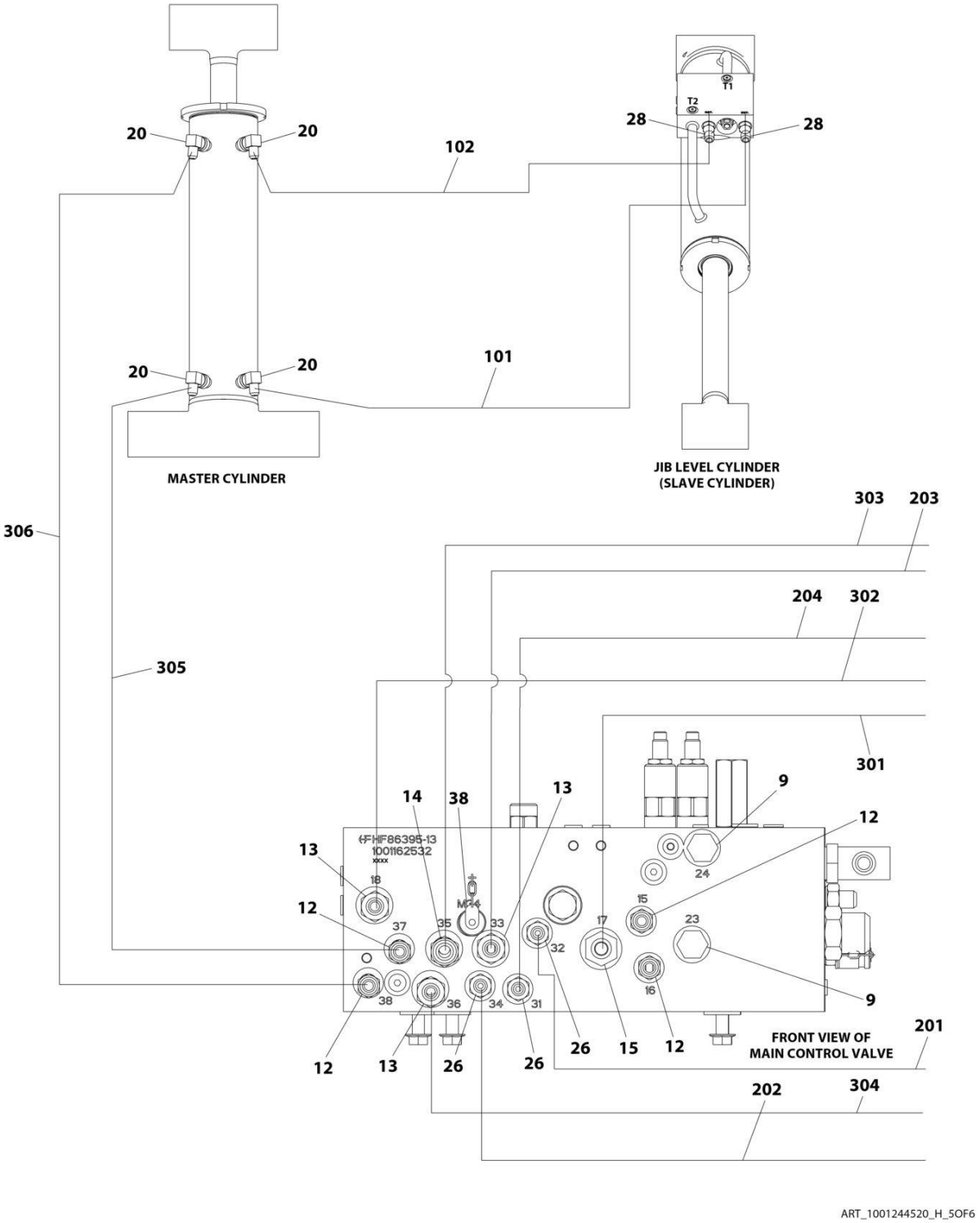

FRONT DRIVE PUMP
2SPD/BRK REL
VALVE
(BOTTOM SIDE)
T11
P11
22
27
21
HYDRAFORCE
MS
L2
M2
B
A
M1
N
3
5
707
8
12
706
702
REVERSE
PORT 3
4
485
2 SPEED
PORT 5
6
FORWARD
PORT 1
4
477
40
40
489
48
50
478
40
Pp
P2
Dr
P1
Ps
49
50
48
485
489
477
ART_1001244520_H_2OF6

SECTION 7 - HYDRAULIC





ART_1001244520_H_4OF6


20
20
102
28
28
T1
T2
20
20
101
MASTER CYLINDER
JIB LEVEL CYLINDER
(SLAVE CYLINDER)
303
203
306
204
302
305
301
9
14
38
13
12
13
(-FHF86395-13
1001162532
xxxx
18
M14
12
37
35
33
32
17
15
23
24
9
38
36
34
31
16
12
13
26
26
26
15
12
FRONT VIEW OF
MAIN CONTROL VALVE
201
202
304
ART_1001244520_H_5OF6

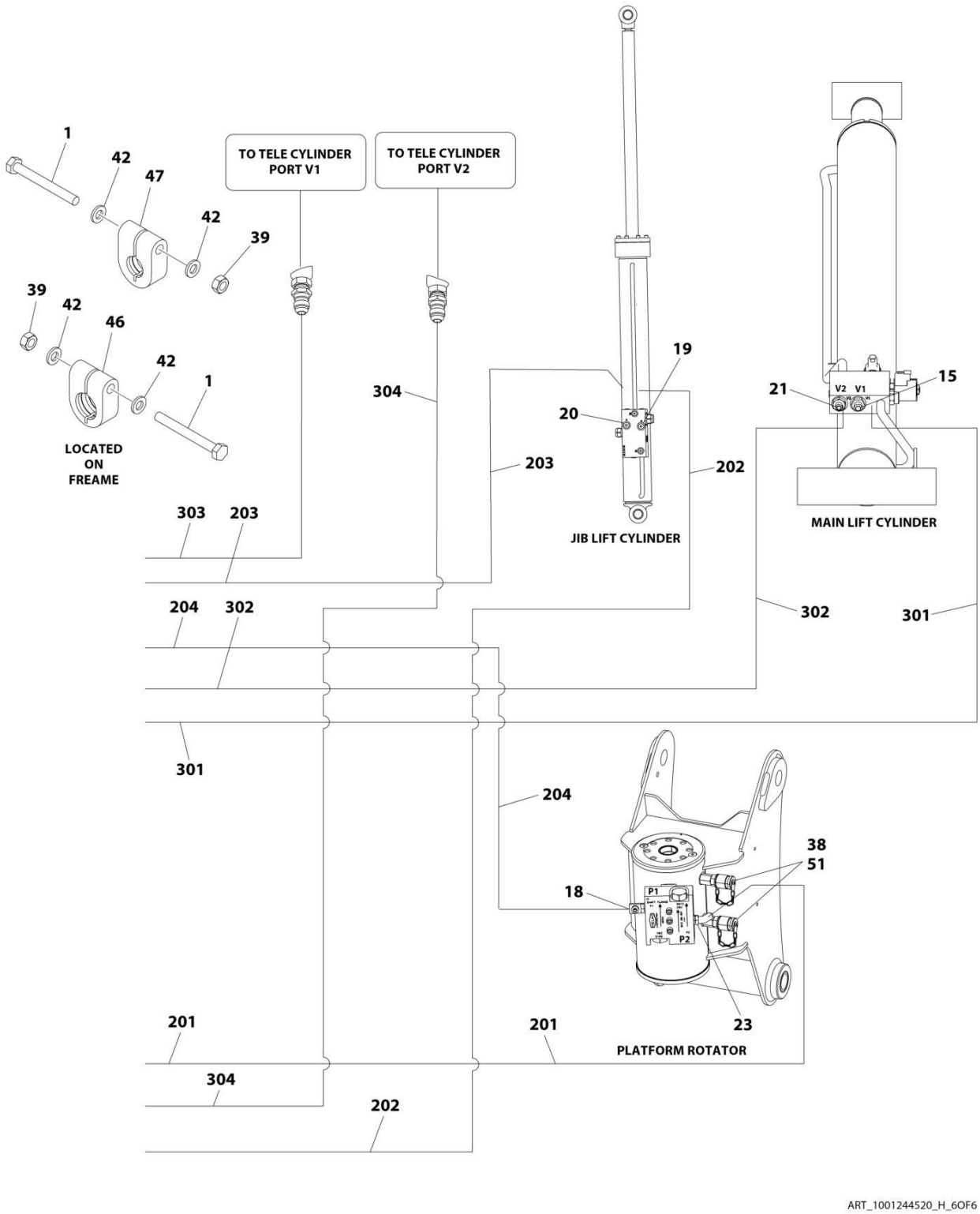

1
42
47
42
39
39
42
46
42
1
LOCATED ON FREAME
TO TELE CYLINDER PORT V1
TO TELE CYLINDER PORT V2
304
19
20
203
202
JIB LIFT CYLINDER
21
V2 V1
15
MAIN LIFT CYLINDER
303
203
204
302
302
301
301
204
38
51
18
P1
P2
23
201
201
PLATFORM ROTATOR
304
202
ART_1001244520_H_6OF6

FIGURE 7-2. HYDRAULIC DIAGRAM (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244520	Ref	HYDRAULIC DIAGRAM	H
1	0760619	2	Bolt M6 x 55	
2	2110806	1	Fitting, Straight ORFS/ORB	
3	2131212	2	Fitting, 90 ORFS/ORB	
4	2151212	4	Fitting, 45 ORFS/ORB	
5	2170212	2	Fitting, 90 ORFS/ORB	
6	2170406	2	Fitting, Tee ORFS/ORB/ORFS	
7	2170808	1	Fitting, Tee ORFS/FSORFS/FORFS	
8	2220237	1	Plug	
9	2220238	2	Plug	
10	2220365	1	Fitting, 45 JIC/ORB	
11	2220366	1	Fitting, 90 JIC/ORB	
12	2220371	8	Fitting, Straight JIC/ORB	
13	2220372	4	Fitting, Straight JIC/ORB	
14	2220373	2	Fitting, Straight JIC/ORB	
15	2220374	3	Fitting, Straight JIC/ORB	
16	2220377	1	Fitting, Straight JIC/ORB	
17	2220451	1	Fitting, Straight JIC/ORB	
18	2220466	1	Fitting, 90 JIC/ORB	
19	2220472	1	Fitting, 90 JIC/ORB	
20	2220473	5	Fitting, 90 JIC/ORB	
21	2220497	1	Fitting, Straight JIC/ORB	
22	2220500	2	Fitting, 45 JIC/ORB	
23	2220502	1	Fitting, 45 JIC/ORB	
24	2220518	1	Fitting, Cap FJIC	
25	2220578	1	Fitting, 90 JIC/ORB	
26	2220582	3	Fitting, Straight JIC/ORB	
27	2220600	2	Fitting, Straight JIC/ORB	
28	2220603	2	Fitting, Straight JIC/ORB	
29	2220695	1	Fitting, Tee JIC/ORB/JIC	
30	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
31	2220726	1	Fitting, 90 JIC/ORB	
32	2220775	1	Fitting, 90 JIC/ORB	
33	2220906	1	Fitting, 90 JIC/ORB	
34	2220946	2	Fitting, Straight JIC/ORB	
35	2220947	2	Fitting, Straight JIC/ORB	
36	2220948	1	Fitting, Tee JIC/FSJIC/JIC	
38	2221086	4	Fitting, Diagnostic Test Port	
39	3290601	2	Nut M6	
40	4100026	24 ft /8m	Sleeve, Hose Protection	
41	4240018	AR	Tie-Strap (Not Shown)	
42	4811700	4	Washer M6	
43	1001275635	2	Clamp	
44	1001098928	1	Clamp	
46	1001191275	1	Clamp	
47	1001191276	1	Clamp	
48	1001191362	4	Fitting, Straight ORFS/ORB	
49	1001191364	2	Fitting, Straight ORFS/ORB	
50	1001191365	4	Fitting, Straight ORFS/ORB	
51	2060404	2	Fitting, Straignt FORB/ORB	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
100	1001202940	1	Upper Boom Hose Kit (Includes Items 101-102) (Not Shown)	
101	1001173909	1	Hose	
102	1001173937	1	Hose	
200	1001202942	1	S Boom Hose Kit (Includes Items 201-204) (Not Shown)	
201	1001173905	1	Hose	
202	1001173906	1	Hose	
203	1001181076	1	Hose	
204	1001181077	1	Hose	
300	1001202946	1	Turntable Hose Kit (Includes Items 301-306) (Not Shown)	
301	1001173901	1	Hose	
302	1001173902	1	Hose	
303	1001173903	1	Hose	
304	1001173904	1	Hose	
305	1001173907	1	Hose	
306	1001173908	1	Hose	
400	1001210251	1	Chassis Hose Kit (Includes Items 477-489) (Not Shown)	
477	1001193007	1	Hose	
478	1001193008	1	Hose	
484	1001193655	1	Hose	
485	1001193656	1	Hose	
489	1001244522	1	Hose	
500	1001210252	1	SC Tank Hose Kit (Includes Item 554-559) (Not Shown)	
554	1001172716	1	Hose	
556	1001172720	1	Hose	
557	1001172721	1	Hose	
559	1001173900	1	Hose	
600	1001210254	1	SC Engine Hose Kit (Includes Items 653-691) (Not Shown)	
653	1001172715	1	Hose	
655	1001172719	1	Hose	
658	1001173899	1	Hose	
669	1001193661	1	Hose	
680	1001193010	1	Hose	
681	1001193011	1	Hose	
690	1001172713	1	Hose	
691	1001110092	1	Hose	
700	1001244521	1	SC Swivel Hose Kit (Includes Items 701-708) (Not Shown)	
701	1001181075	1	Hose	
702	1001193003	1	Hose	
703	1001193006	1	Hose	
704	1001193009	1	Hose	
705	1001193654	1	Hose	
706	1001193657	1	Hose	
707	1001193658	1	Hose	
708	1001193659	1	Hose	

SECTION 8 - ELECTRICAL

SECTION 8 - ELECTRICAL

FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT, AND CSA SPECS)

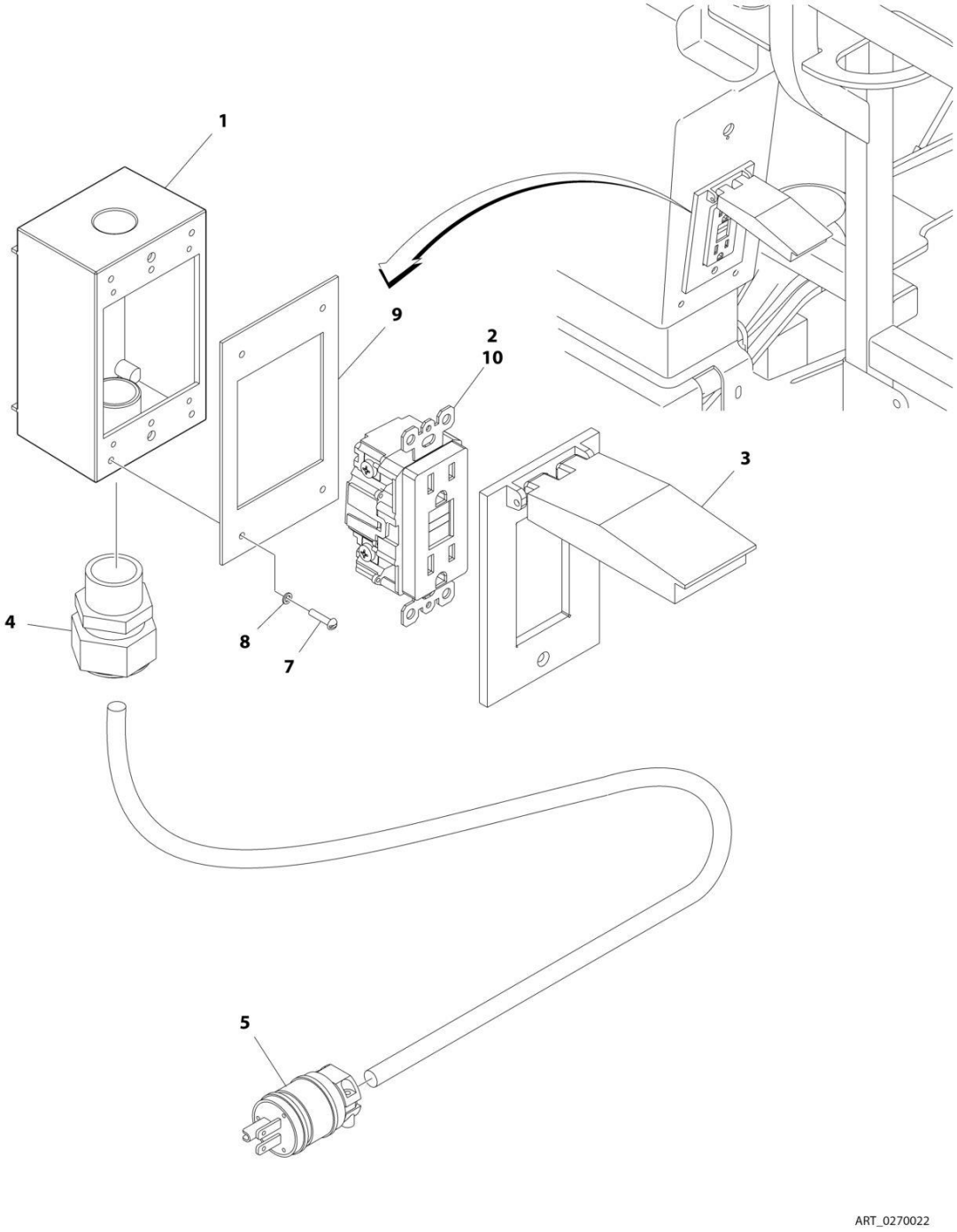


FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT, AND CSA SPECS)

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 - 110V IEC YELLOW (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

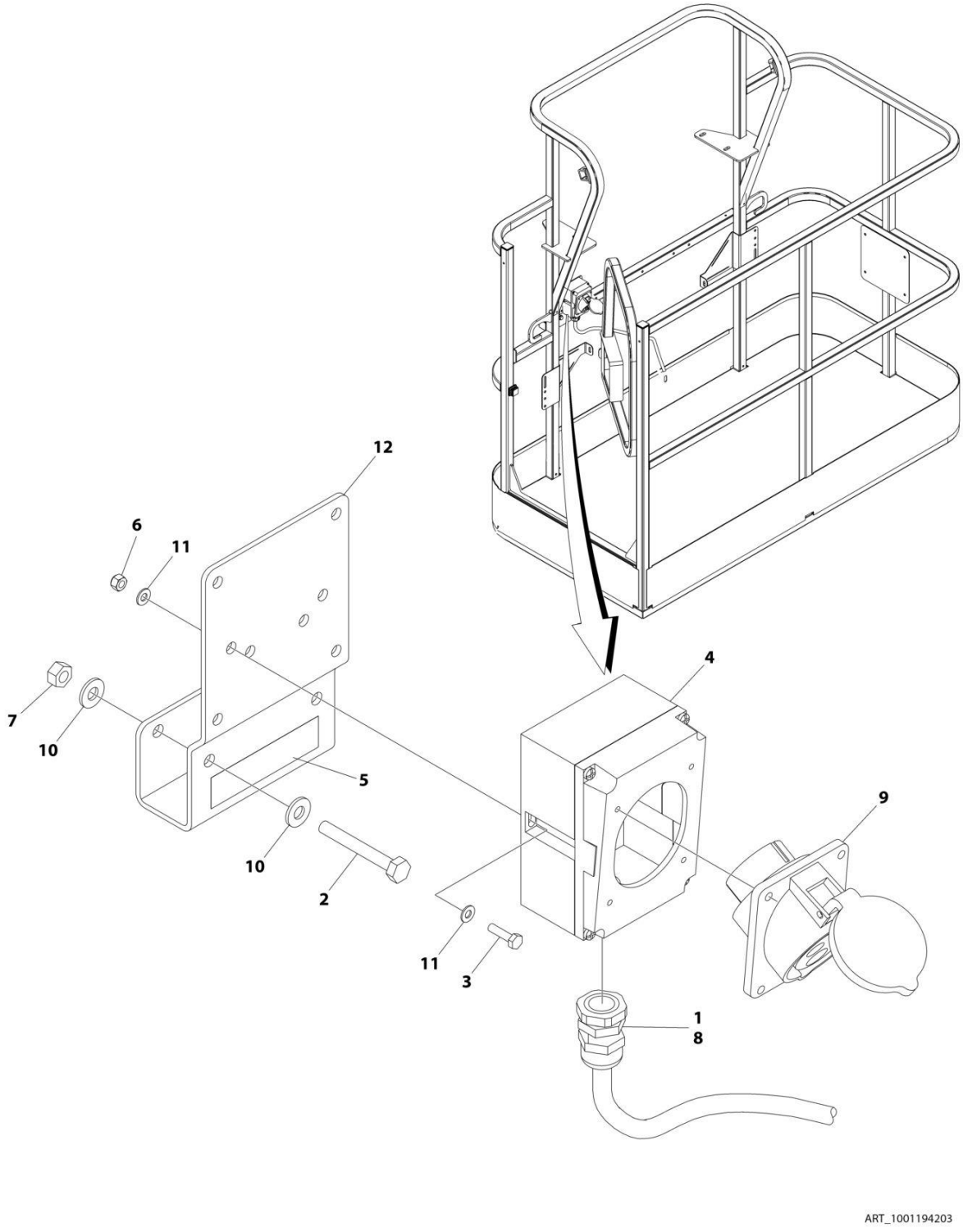


FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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 8-3. AC BOX AT PLATFORM - 110V IEC YELLOW (CE & UK CA SPEC WITHOUT GENERATOR)

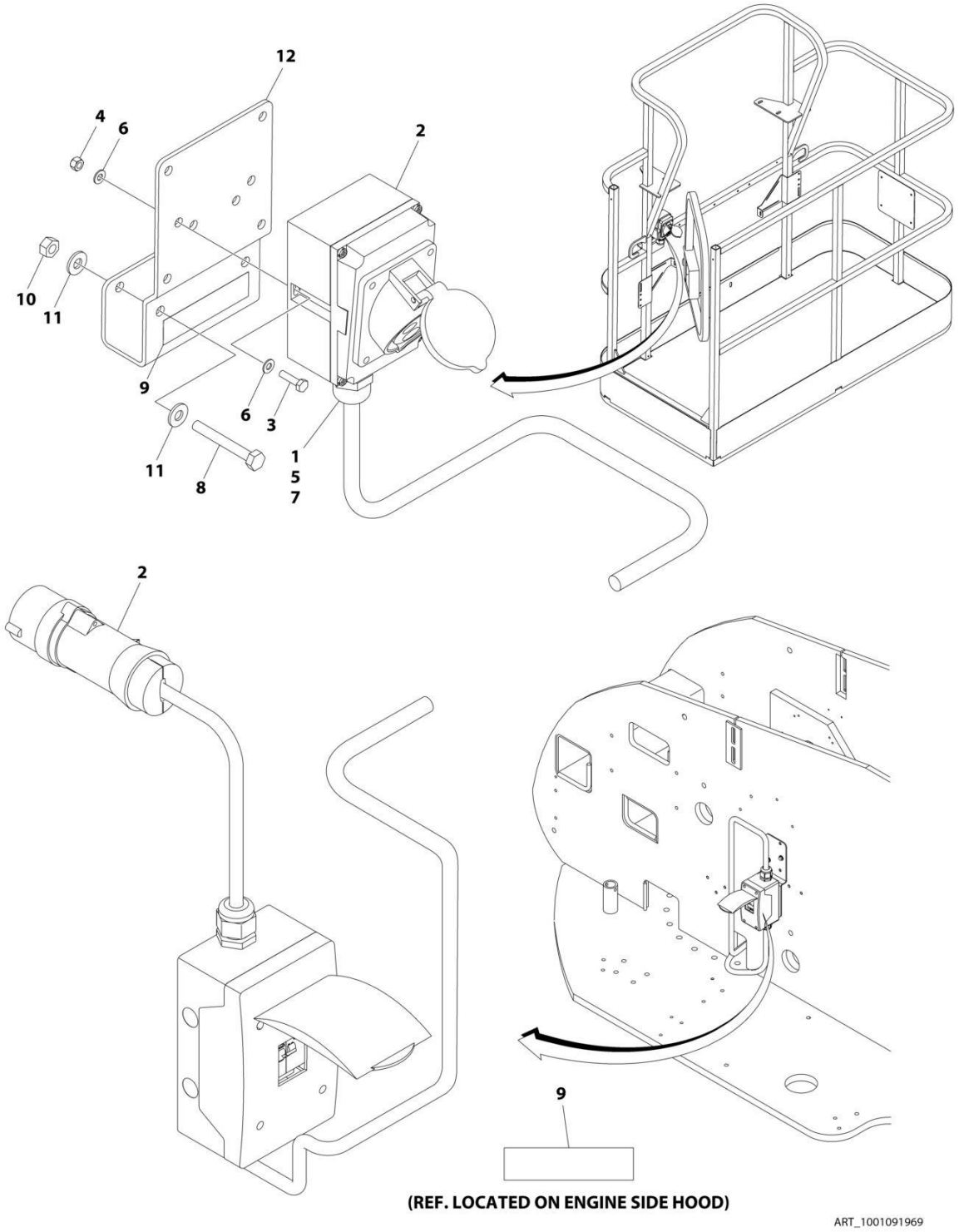


FIGURE 8-3. AC BOX AT PLATFORM - 110V IEC YELLOW (CE & UK CA SPEC WITHOUT GENERATOR)

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 - 220V IEC BLUE (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

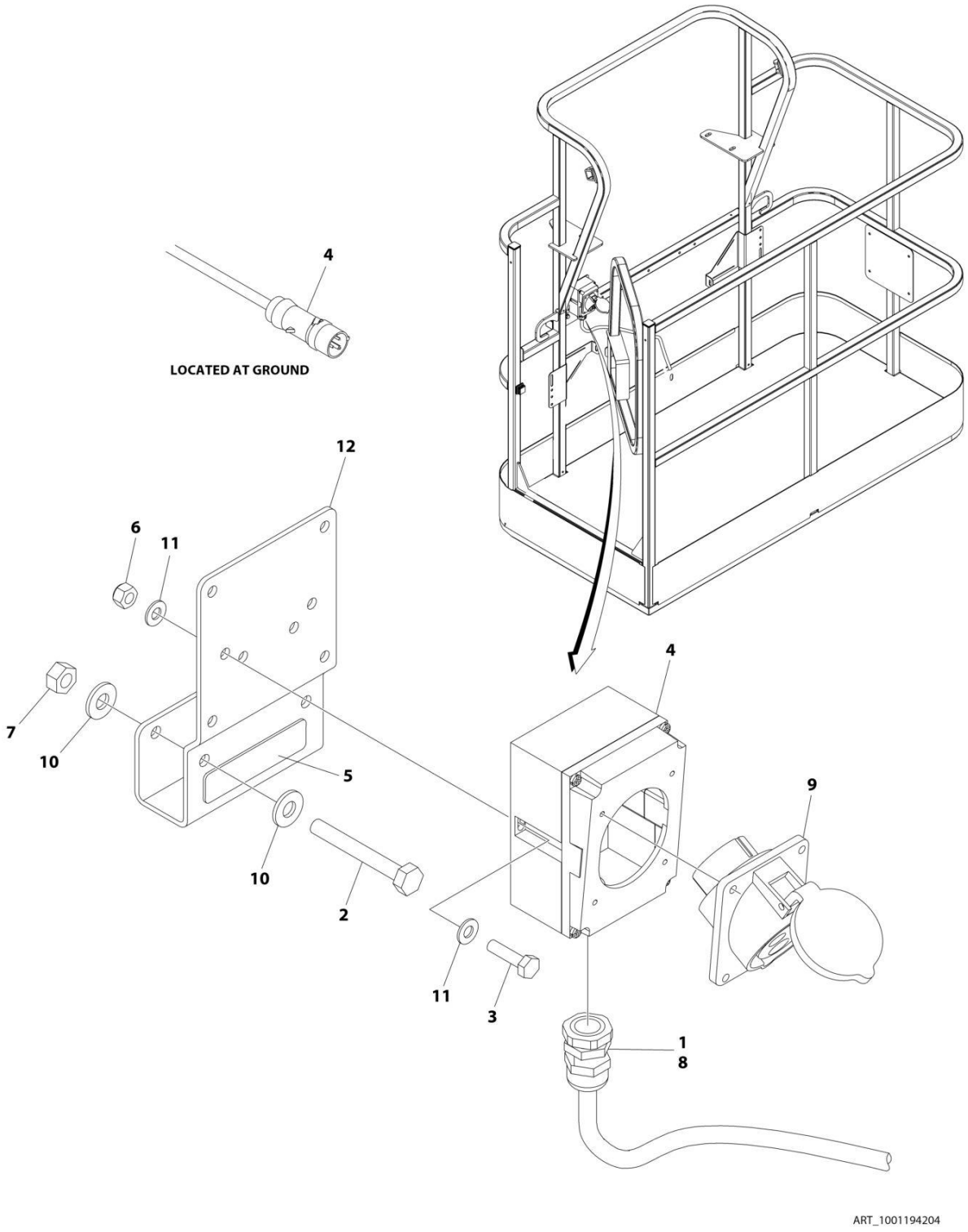


FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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 8-5. AC BOX AT PLATFORM - 220V IEC BLUE (CE & UK CA SPEC WITHOUT GENERATOR)

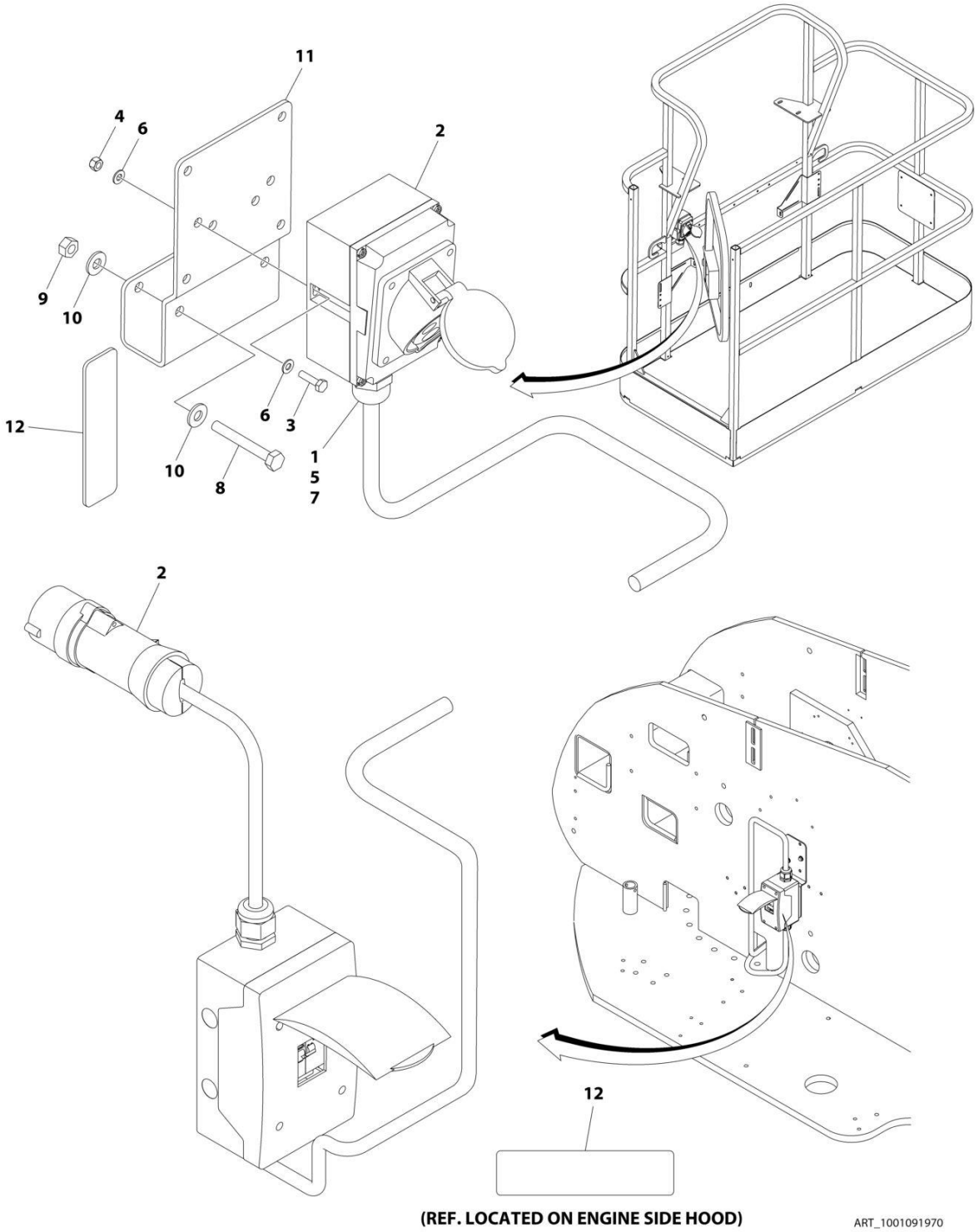


FIGURE 8-5. AC BOX AT PLATFORM - 220V IEC BLUE (CE & UK CA SPEC WITHOUT GENERATOR)

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 - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPEC WITHOUT GENERATOR)

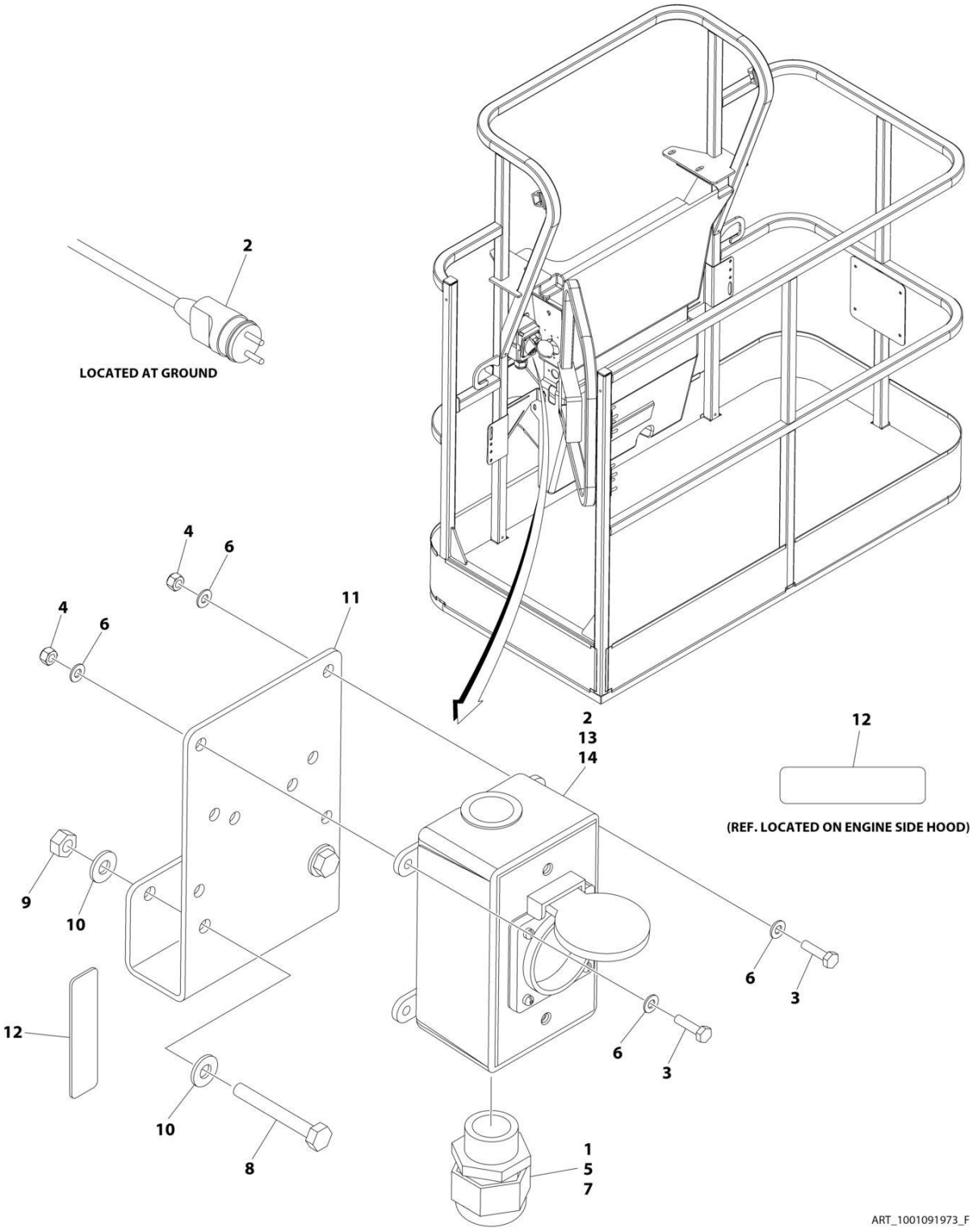


FIGURE 8-6. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPEC WITHOUT GENERATOR)

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 8-7. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPEC WITHOUT GENERATOR)

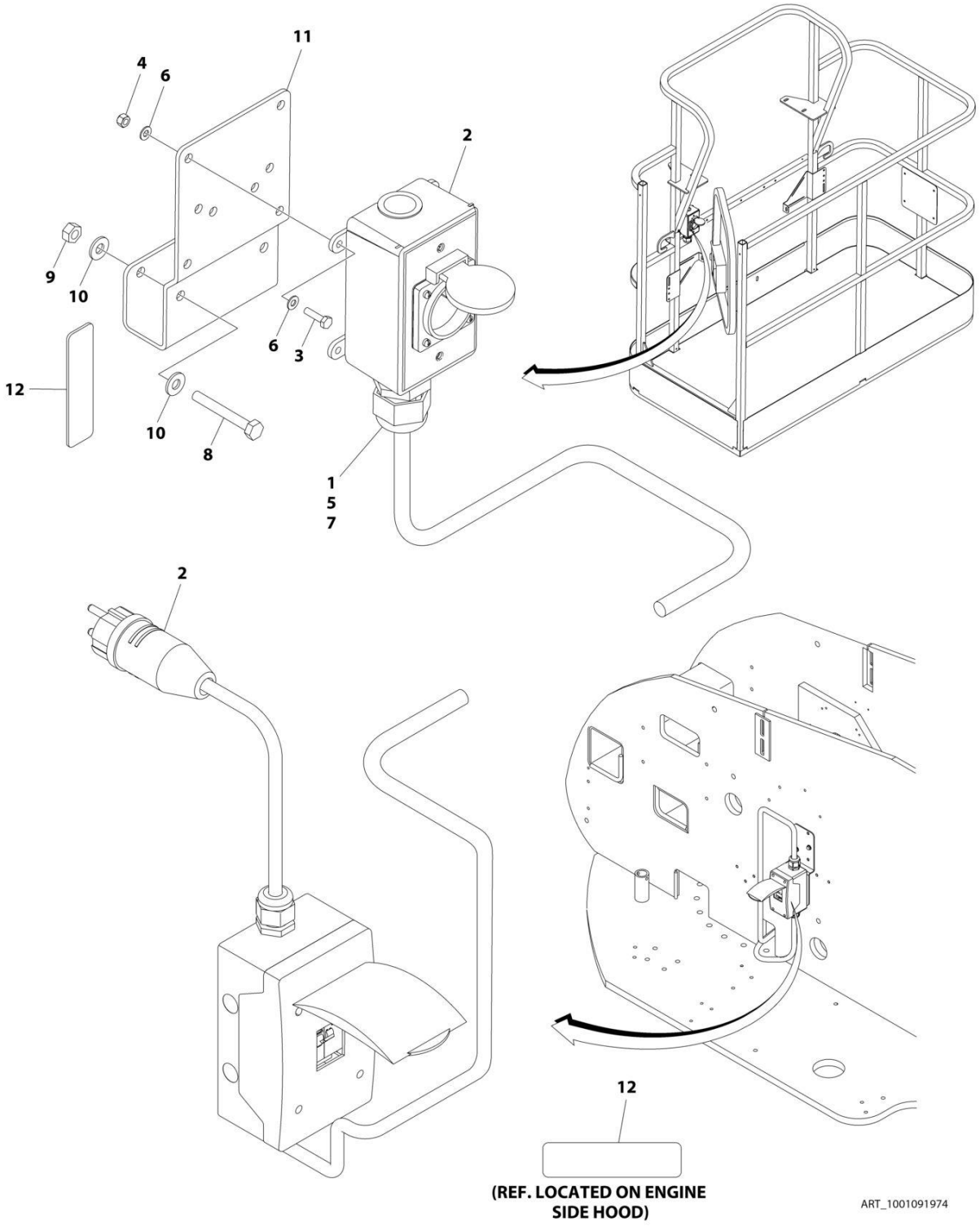


FIGURE 8-7. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPEC WITHOUT GENERATOR)

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 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

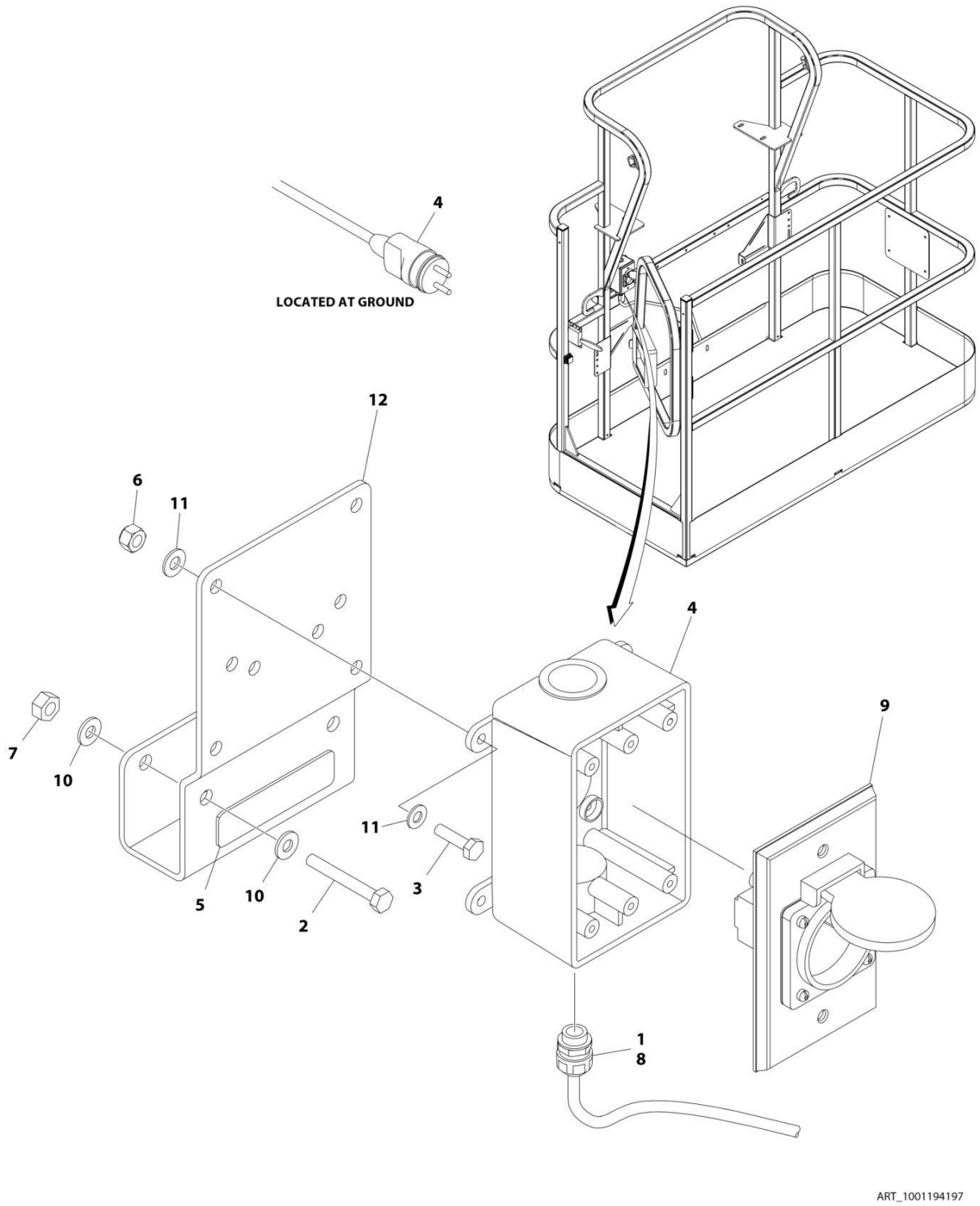


FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

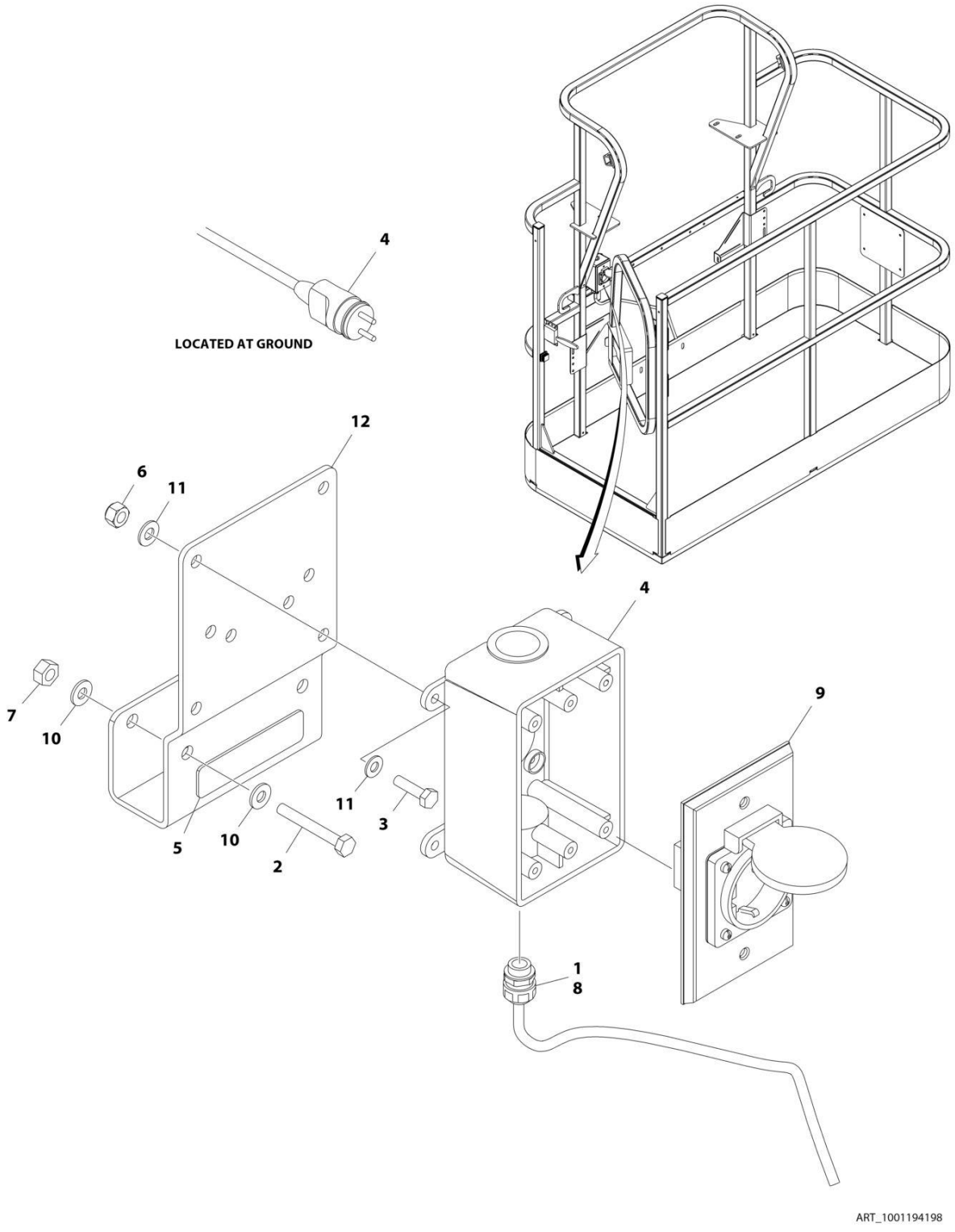


FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

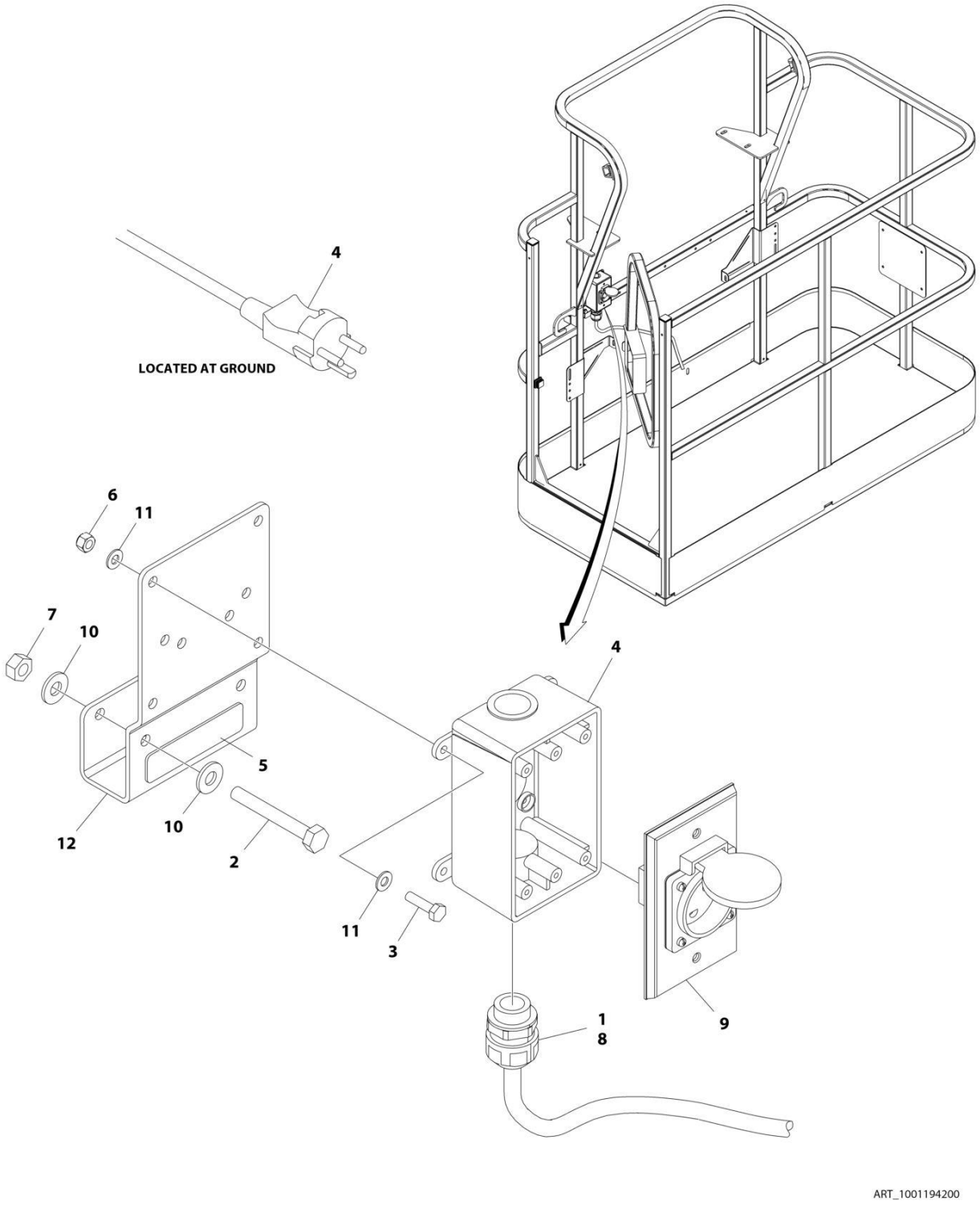


FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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 8-11. AC BOX AT PLATFORM - 220V AFSINT107 (CE & UK CA SPEC WITHOUT GENERATOR)

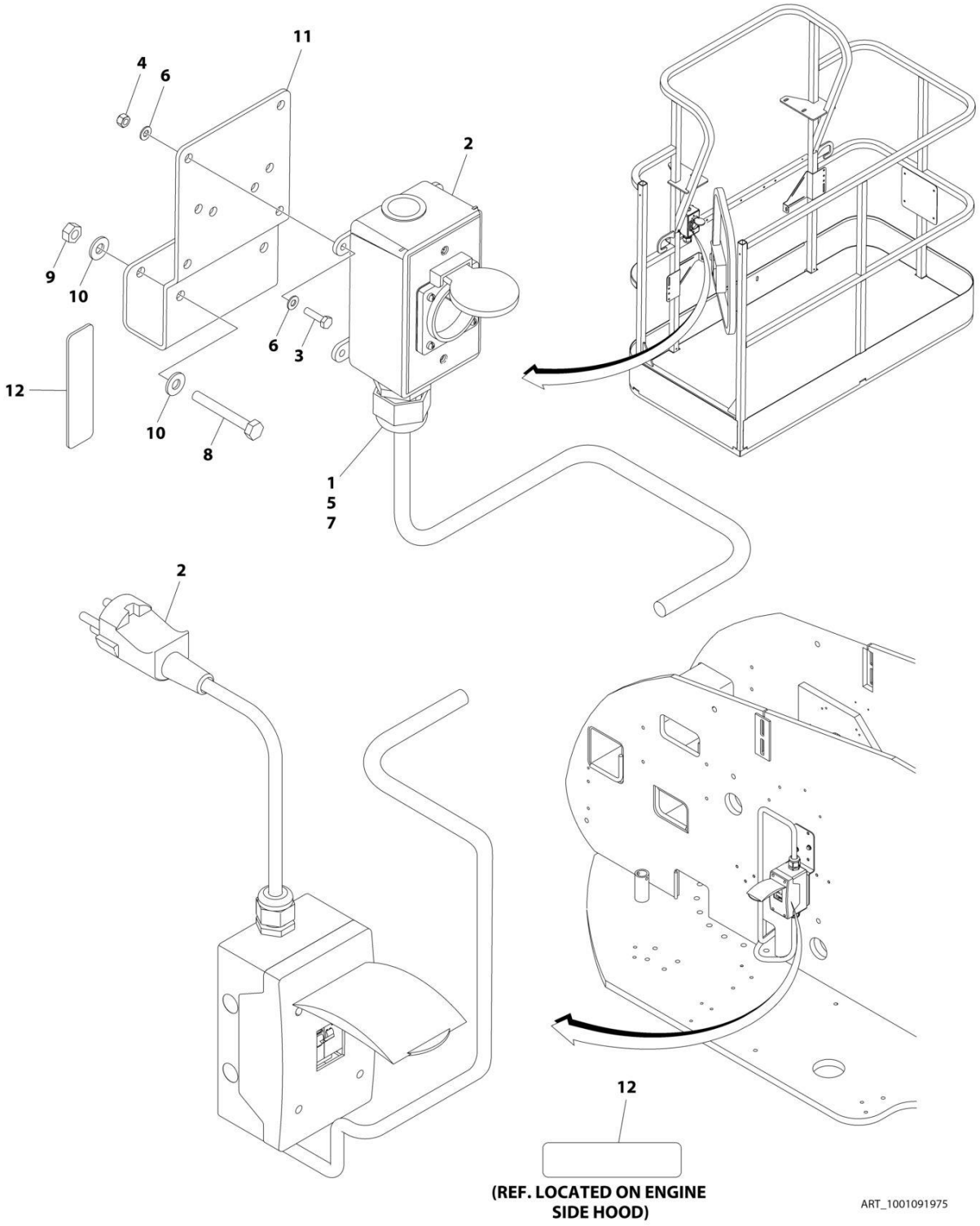


FIGURE 8-11. AC BOX AT PLATFORM - 220V AFSINT107 (CE & UK CA SPEC WITHOUT GENERATOR)

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 CUSTOMER SUPPLIED COMPONENTS (ANSI EXPORT AND CE & UK CA SPECS)

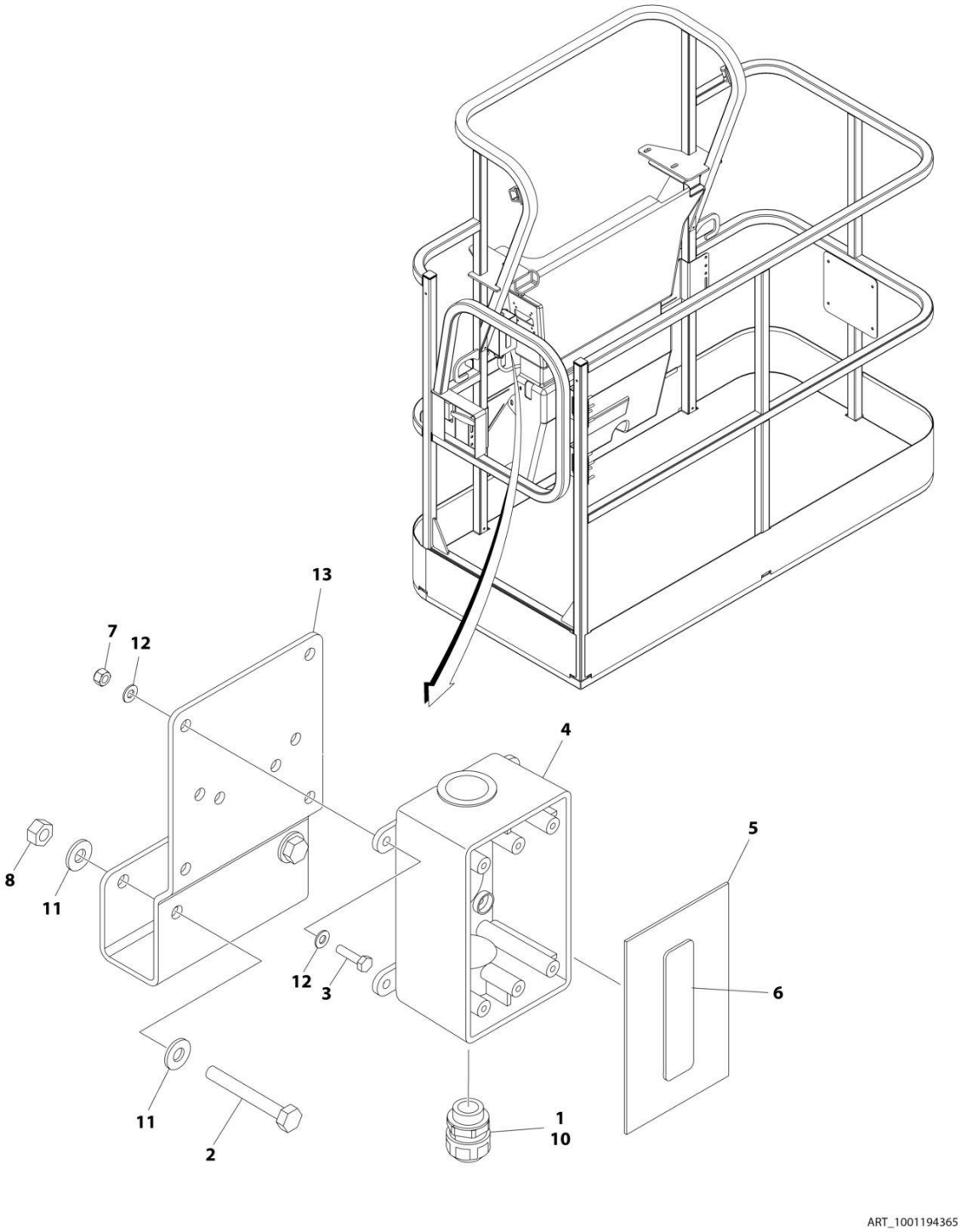


FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS (ANSI EXPORT AND CE & UK CA SPECS)

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 8-13. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS)

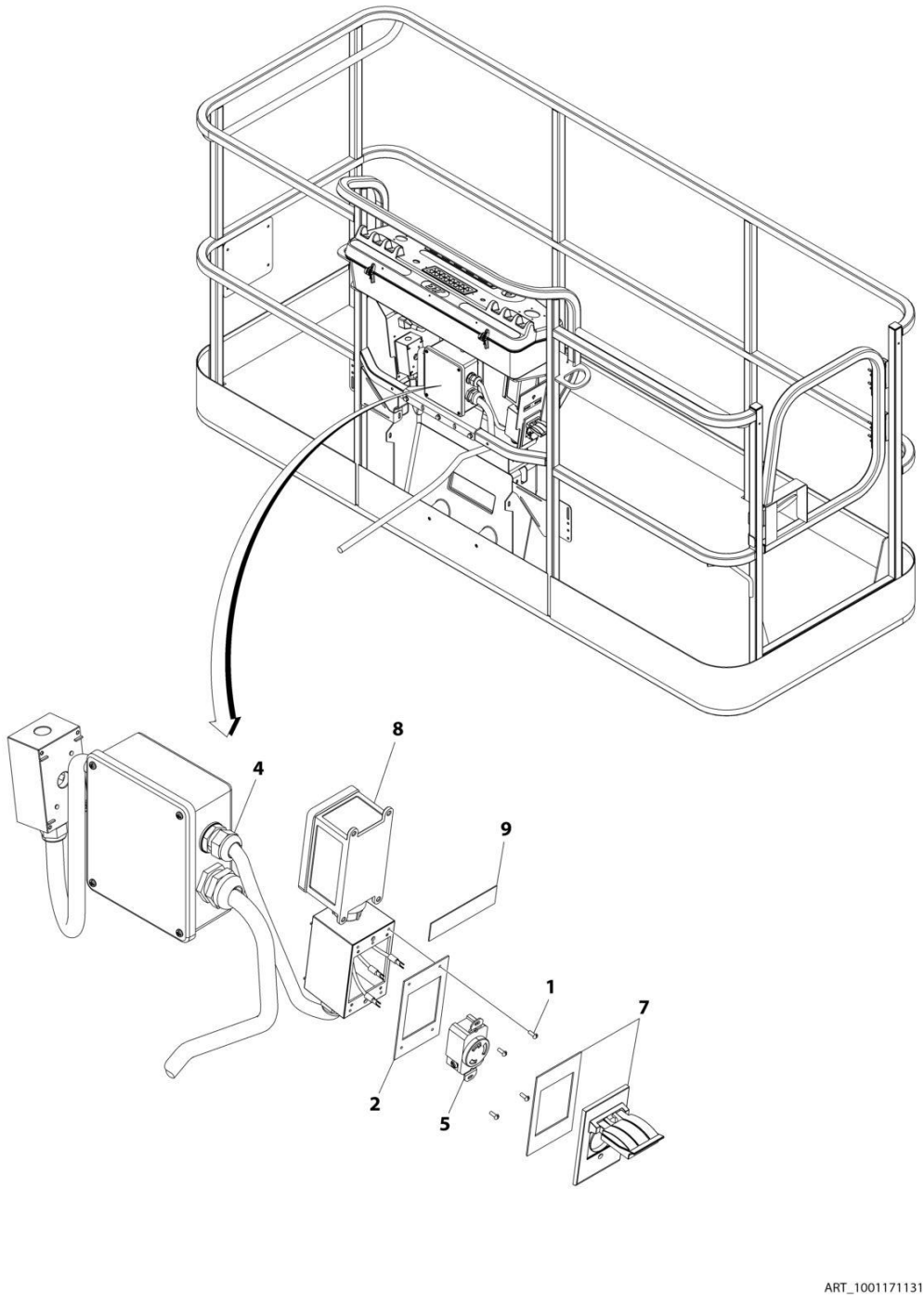


FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS)

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. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS)

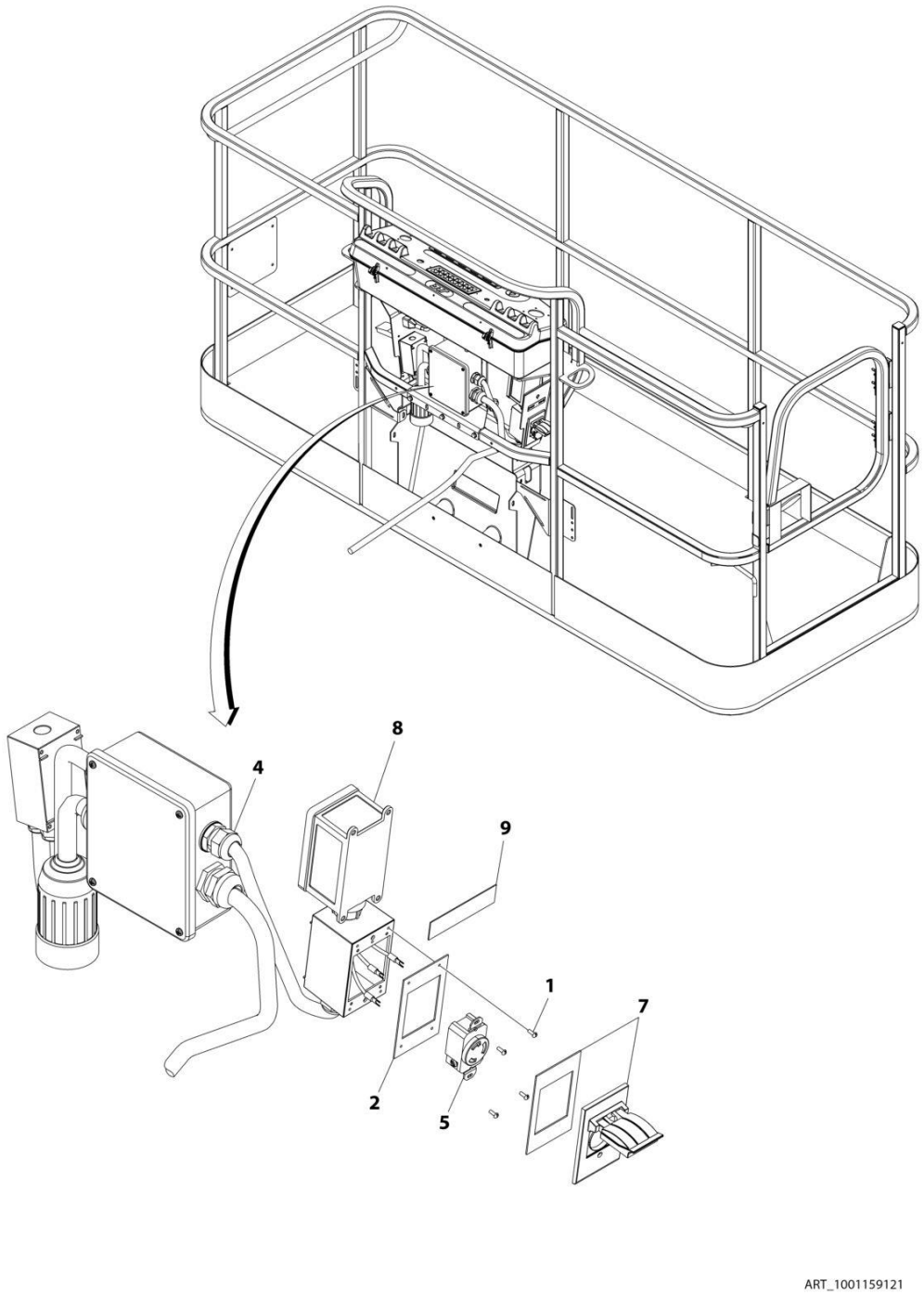


FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS)

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 8-15. AC CABLE INSTALLATION - WITH THREE BREAKERS (CE & UK CA SPECS)

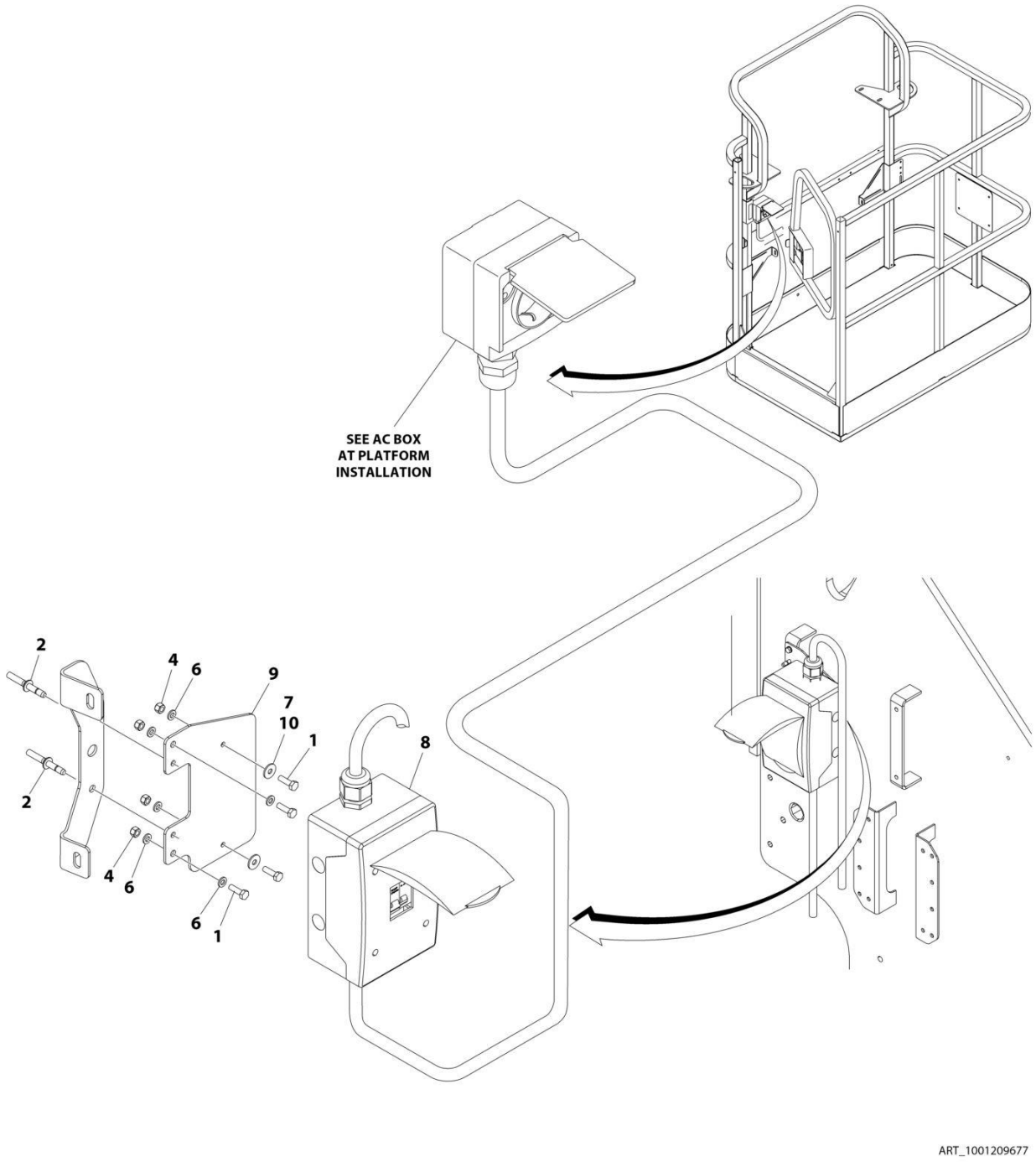


FIGURE 8-15. AC CABLE INSTALLATION - WITH THREE BREAKERS (CE & UK CA SPECS)

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 8-16. BATTERY DISCONNECT SWITCH

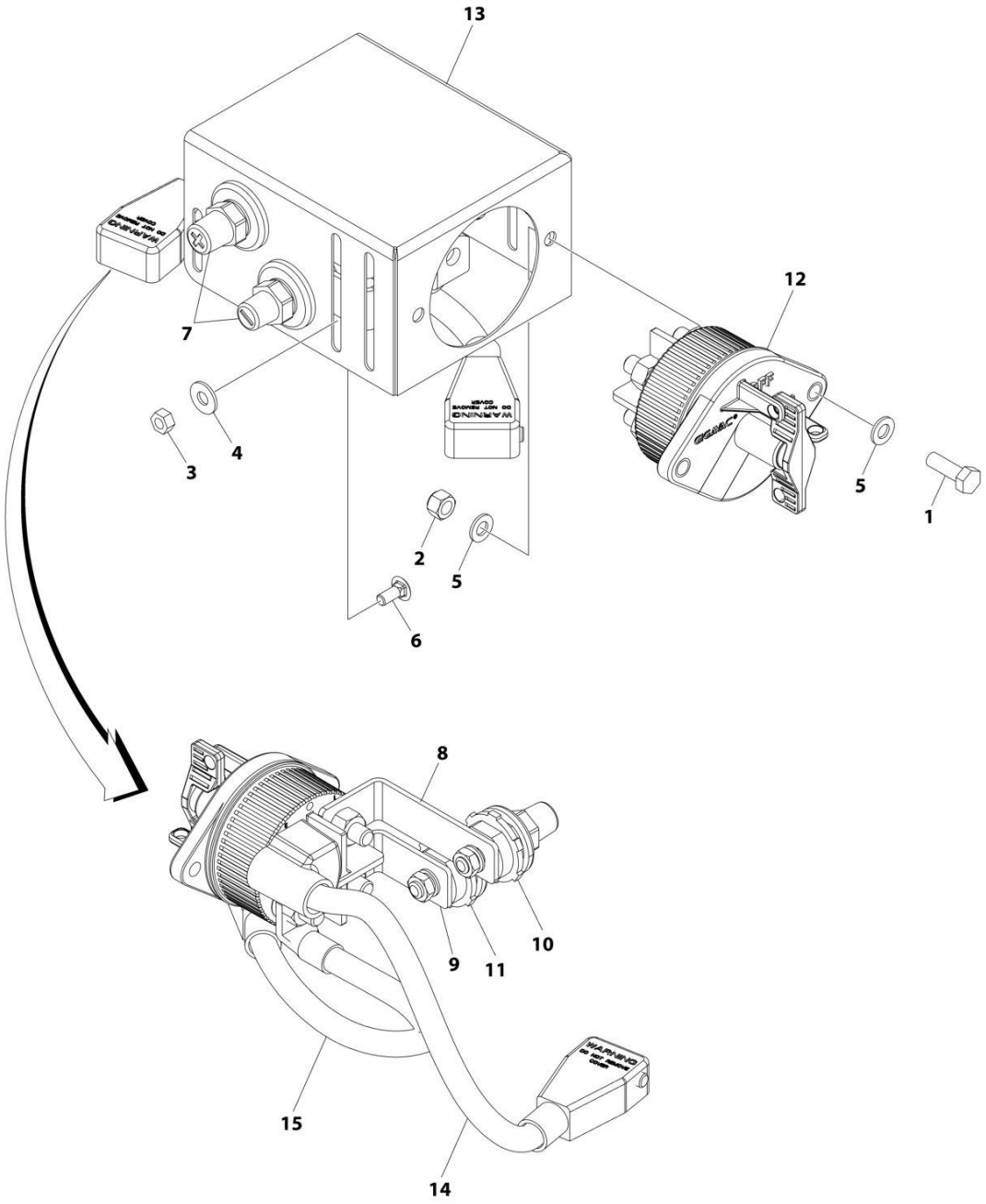


FIGURE 8-16. BATTERY DISCONNECT SWITCH

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 8-17. BEACON HARNESS - AMBER BEACON

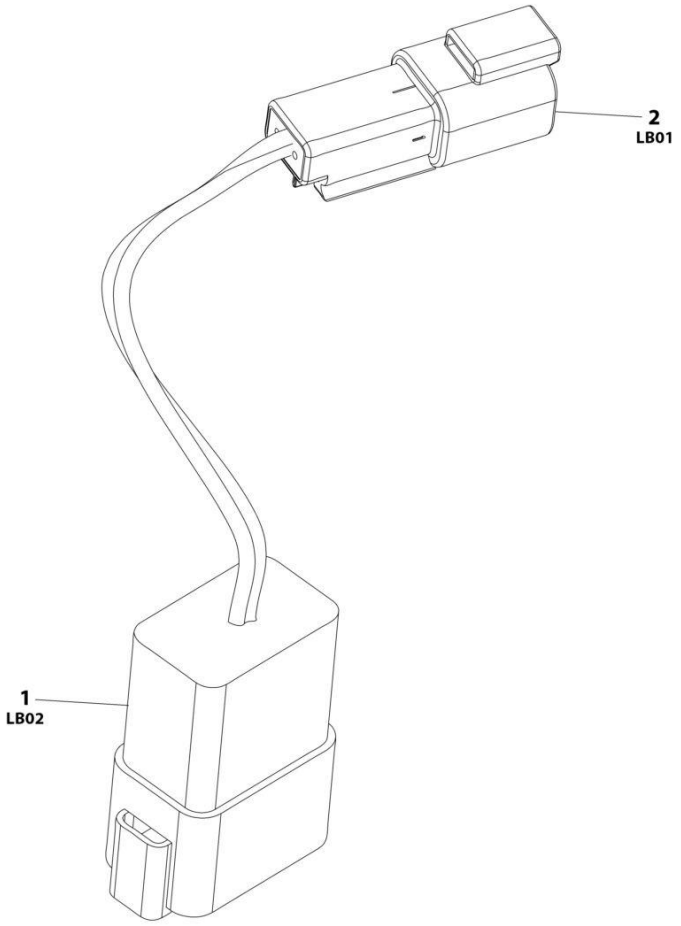


FIGURE 8-17. BEACON HARNESS - AMBER BEACON

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283776	Ref	STROBE LIGHT HARNESS (AMBER)	A
1	4460931	1	Connector	
1	4460464	2	Pin	
1	4460466	6	Plug	
2	4460897	1	Connector	
2	4460464	2	Pin	

FIGURE 8-18. BEACON HARNESS - BLUE & RED BEACONS

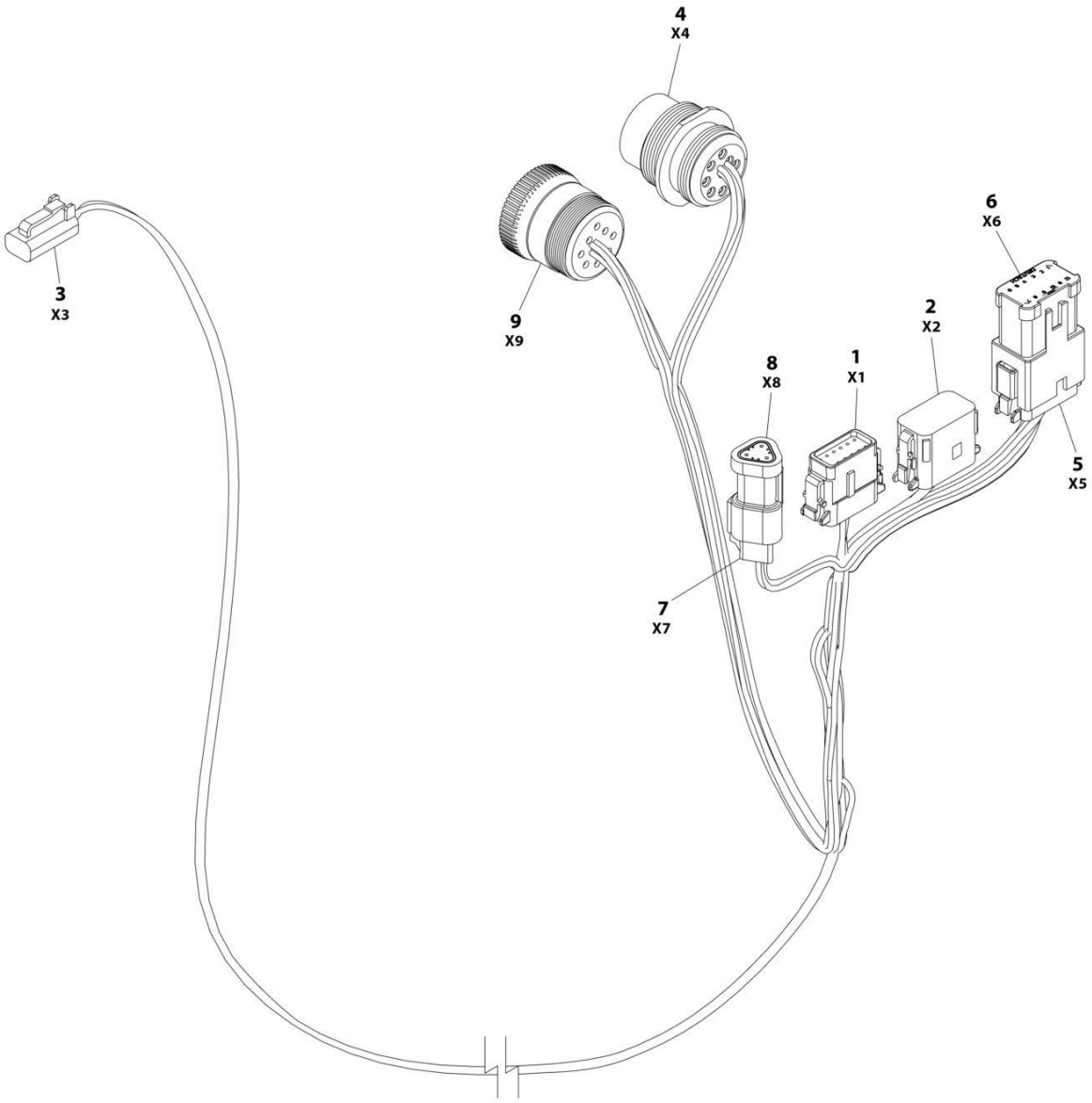


FIGURE 8-18. BEACON HARNESS - BLUE & RED BEACONS

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 8-19. BOOM HARNESS (400SC)

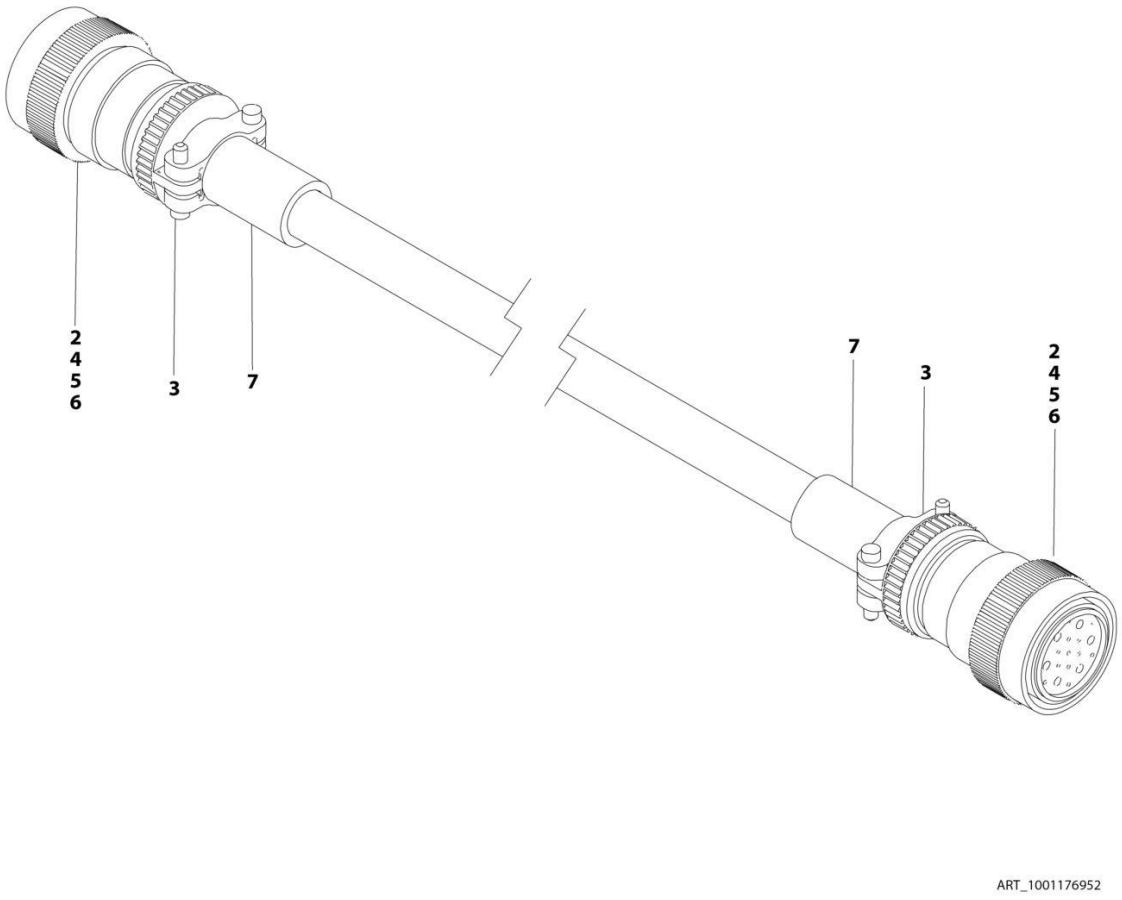


FIGURE 8-19. BOOM HARNESS (400SC)

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 8-20. BOOM HARNESS (460SJC)

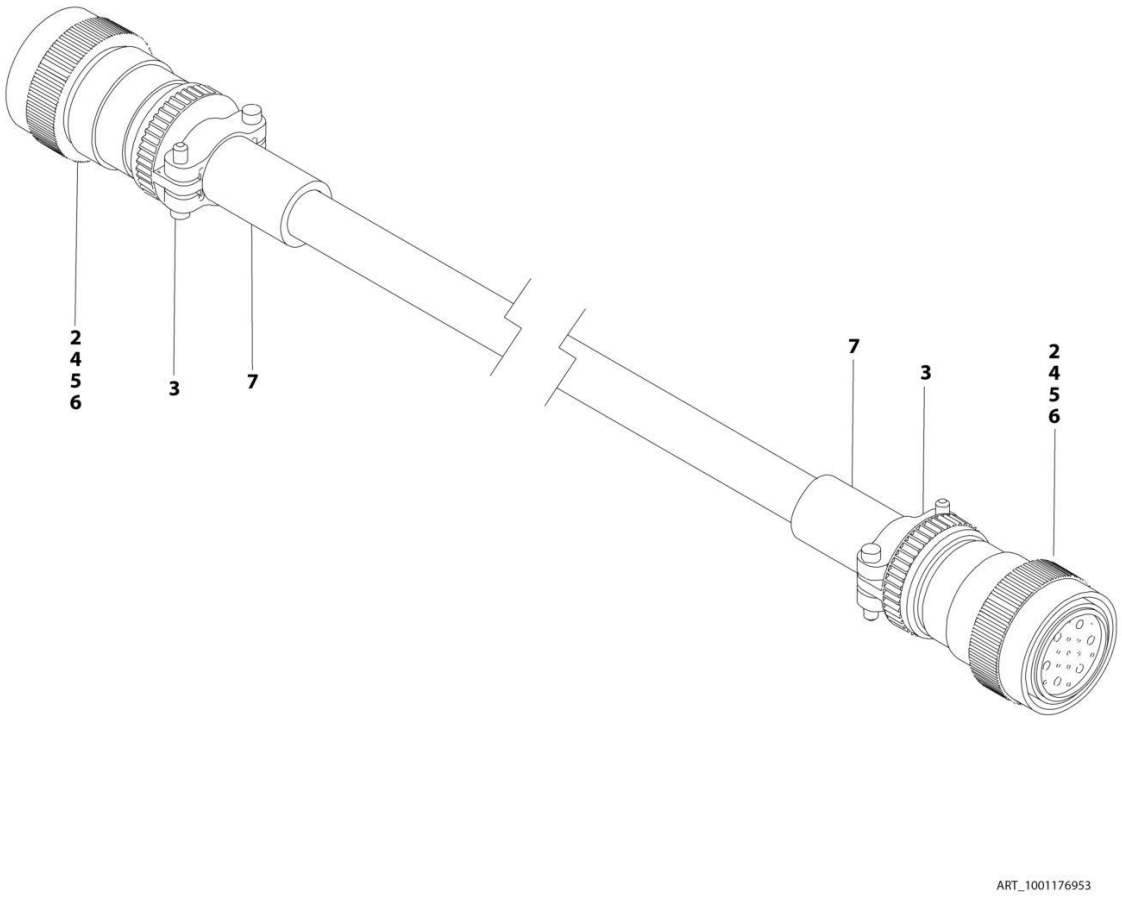


FIGURE 8-20. BOOM HARNESS (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176953	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 8-21. BOOM CAPACITY PROXIMITY SWITCH HARNESS

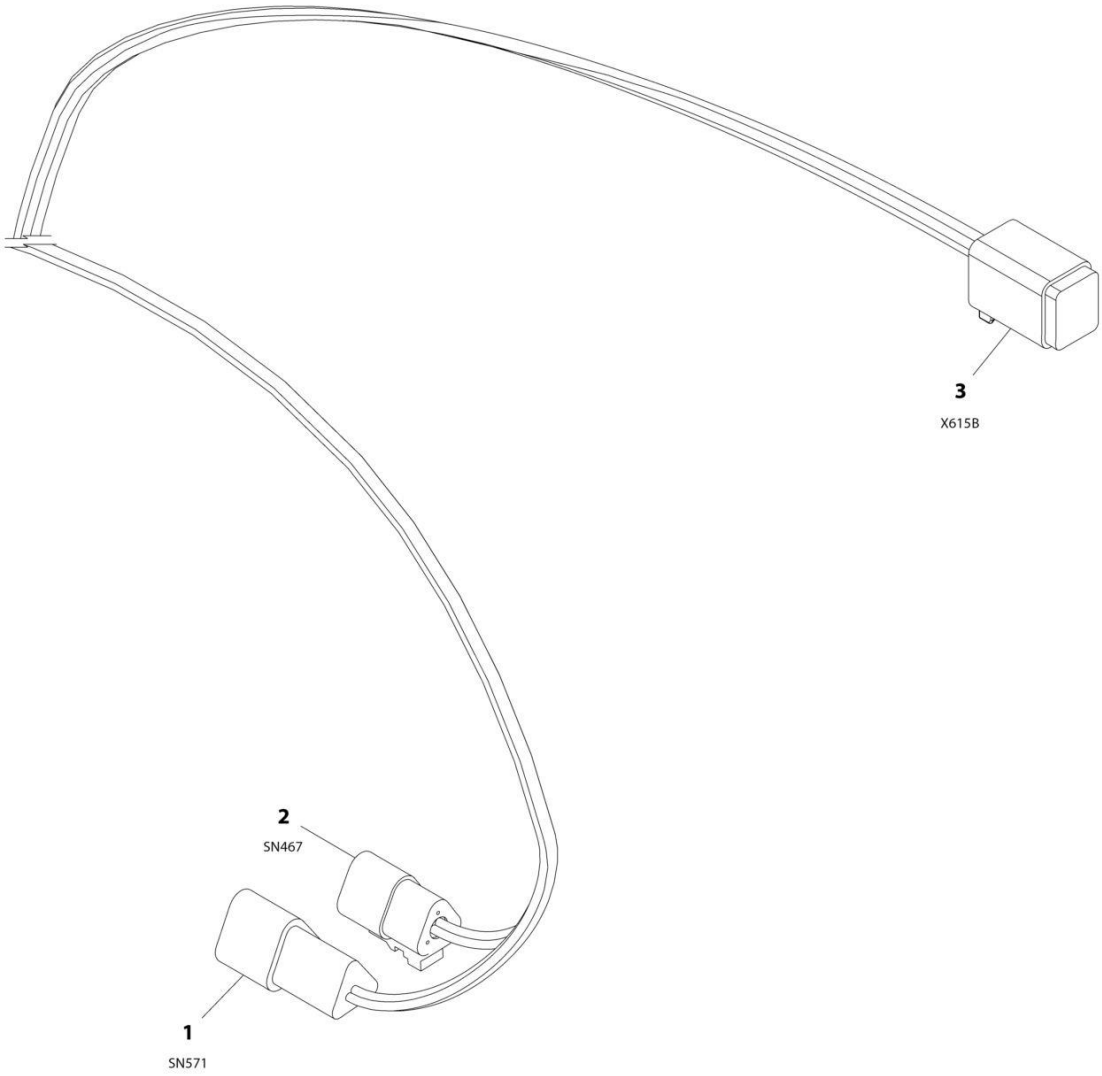


FIGURE 8-21. BOOM CAPACITY PROXIMITY SWITCH HARNESS

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 8-22. BOOM TELE IN PROXIMITY SWITCH HARNESS

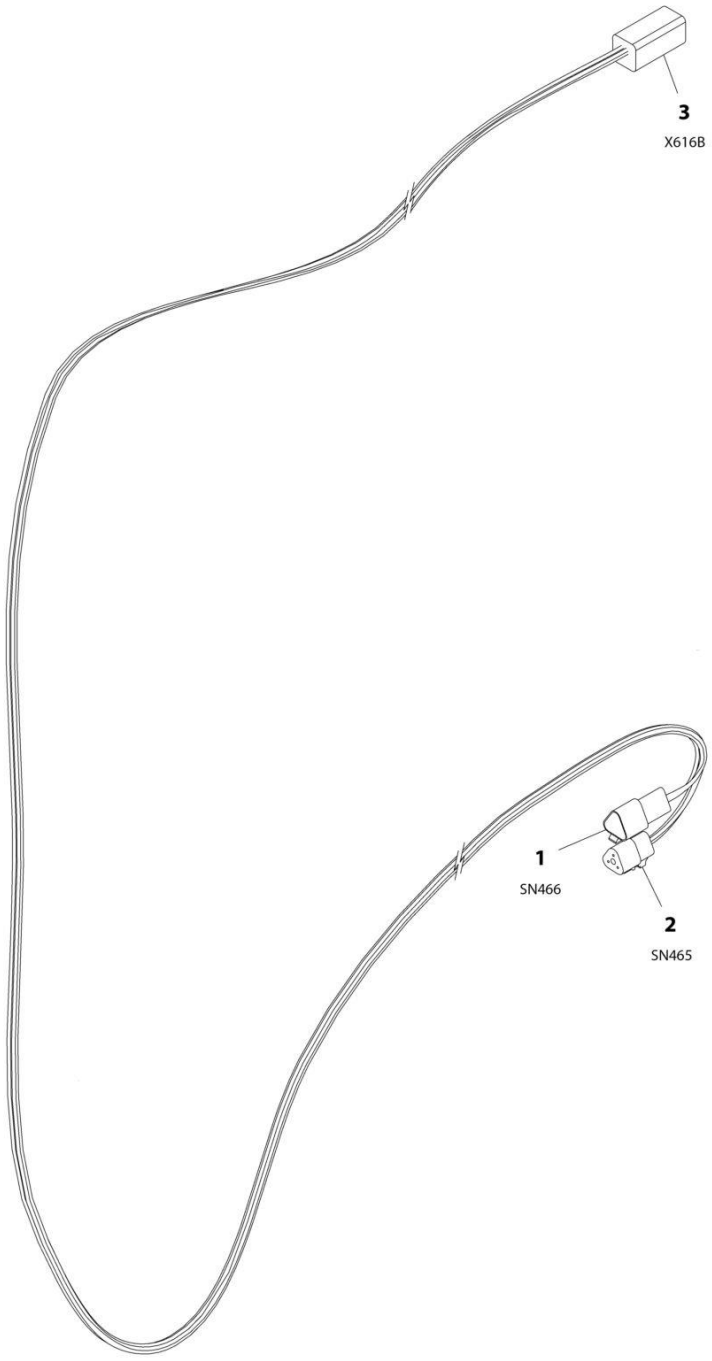


FIGURE 8-22. BOOM TELE IN PROXIMITY SWITCH HARNESS

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 8-23. BREAKER BOX INSTALLATION - 16AMP BREAKER (CE & UK CA SPEC)

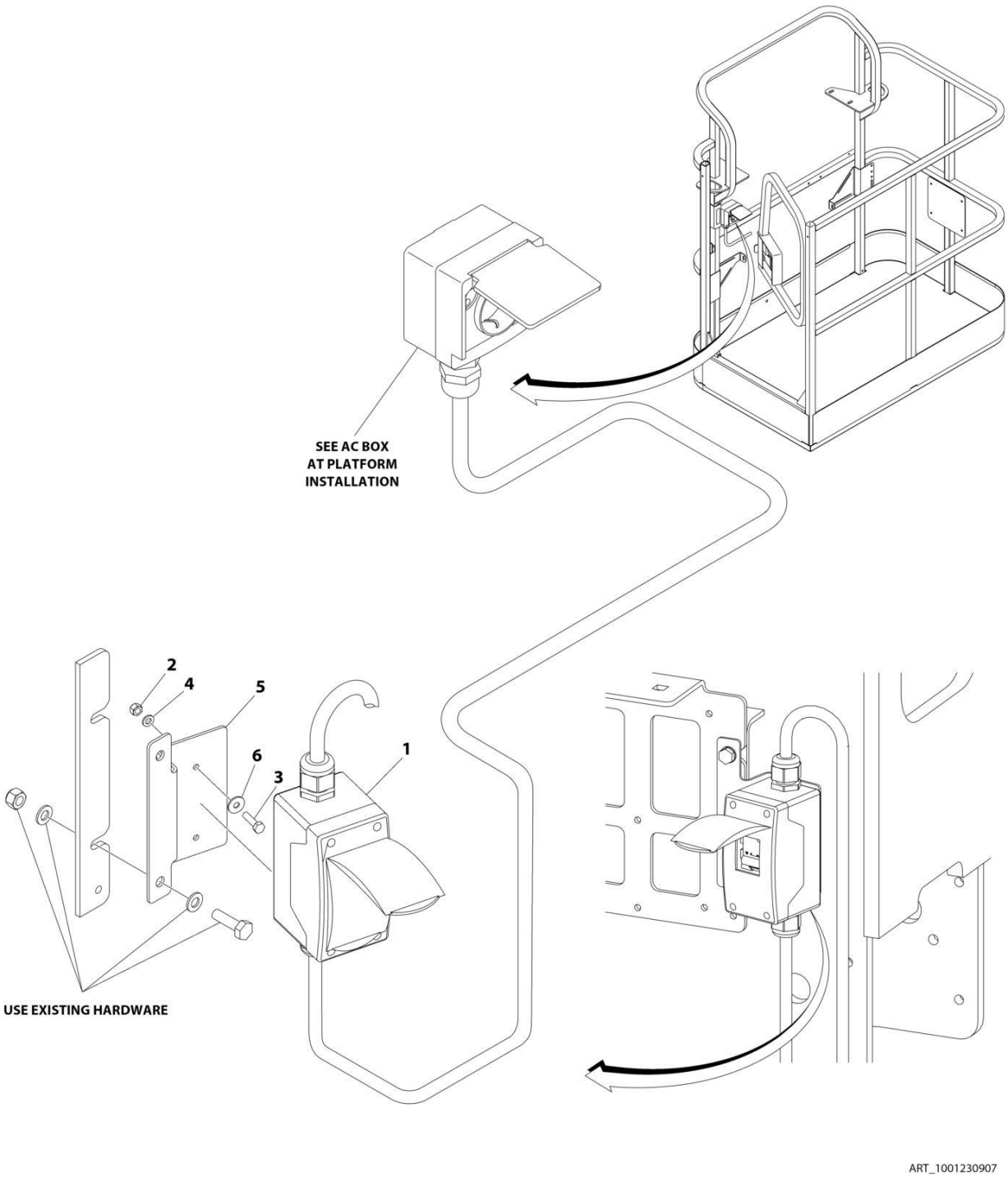


FIGURE 8-23. BREAKER BOX INSTALLATION - 16AMP BREAKER (CE & UK CA SPEC)

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 8-24. BREAKER BOX KIT - 16AMP BREAKER

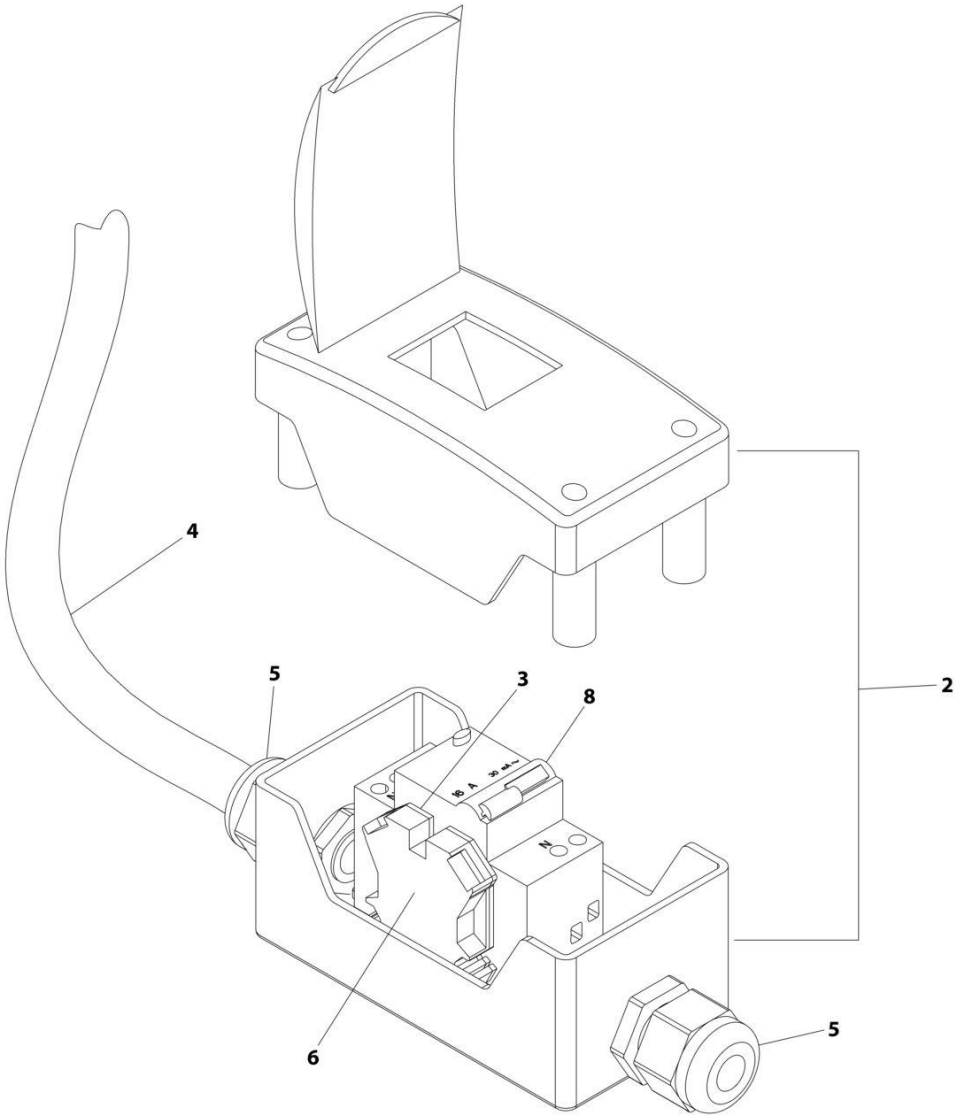


FIGURE 8-24. BREAKER BOX KIT - 16AMP BREAKER

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 8-25. BREAKER BOX KIT - 30MA/16 AMP

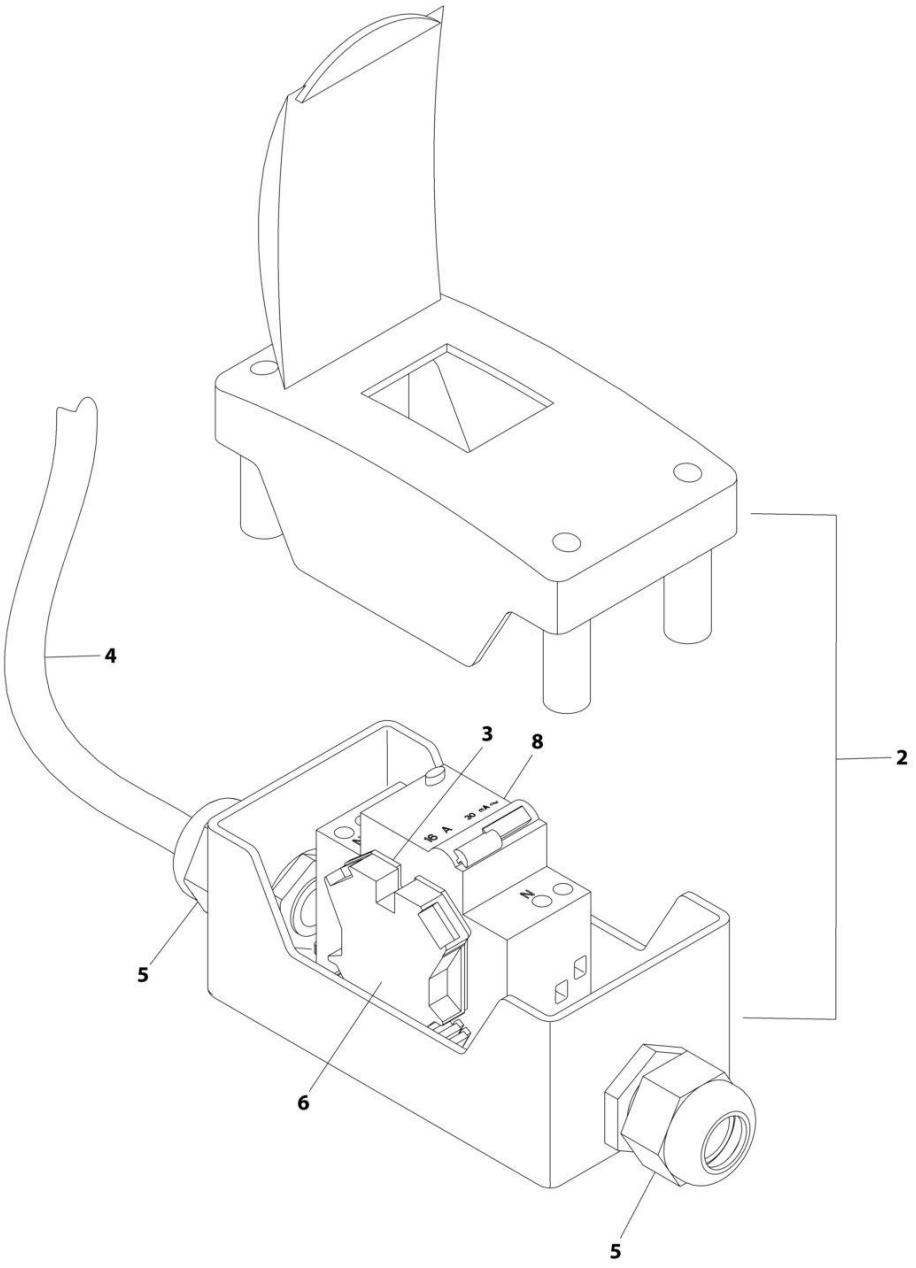


FIGURE 8-25. BREAKER BOX KIT - 30MA/16 AMP

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 8-26. BREAKER BOX KIT WITH THREE BREAKERS

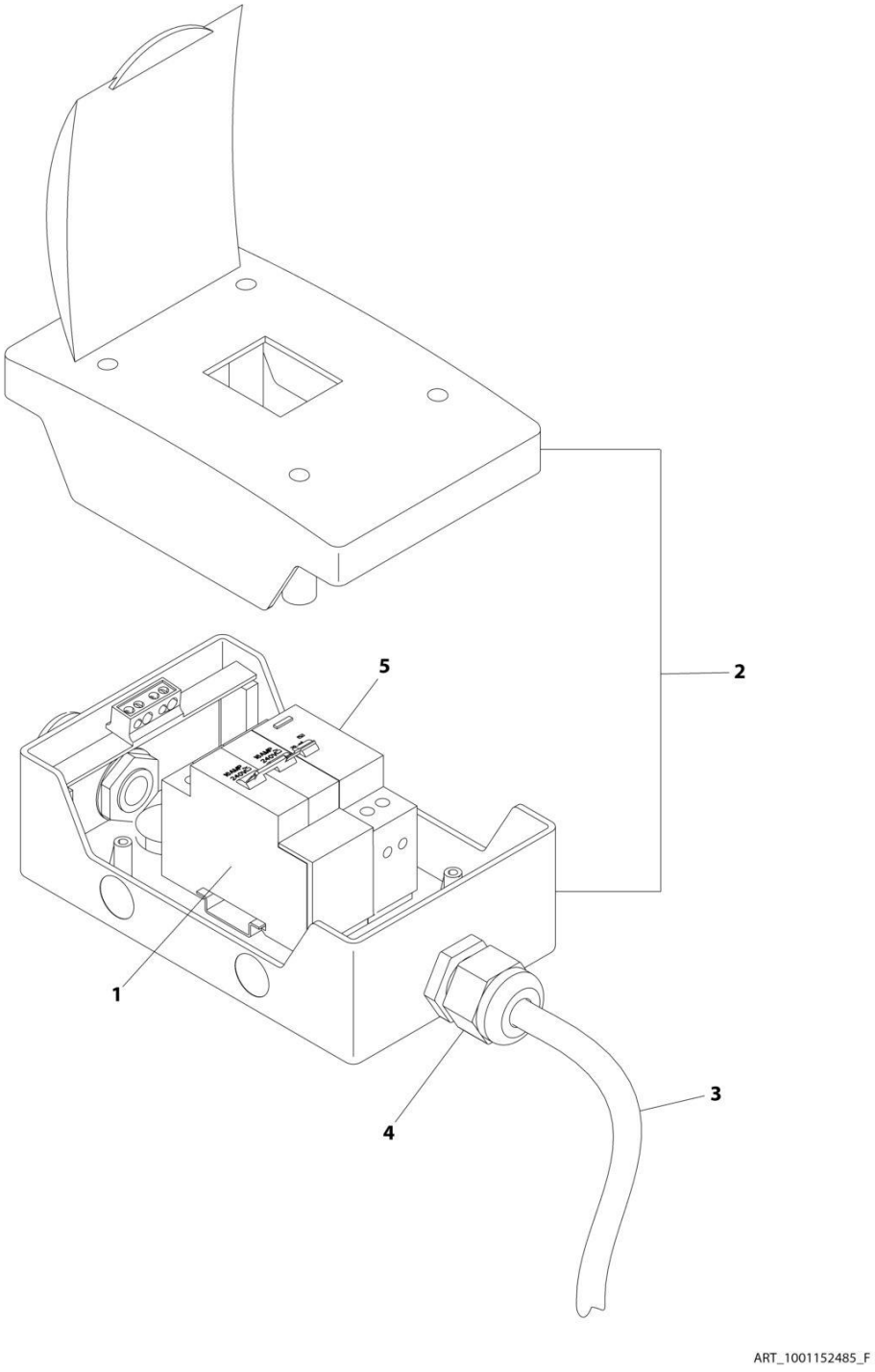


FIGURE 8-26. BREAKER BOX KIT WITH THREE BREAKERS

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 8-27. CABLES AND CLAMPS INSTALLATION -WITHOUT GENERATOR (400SC)

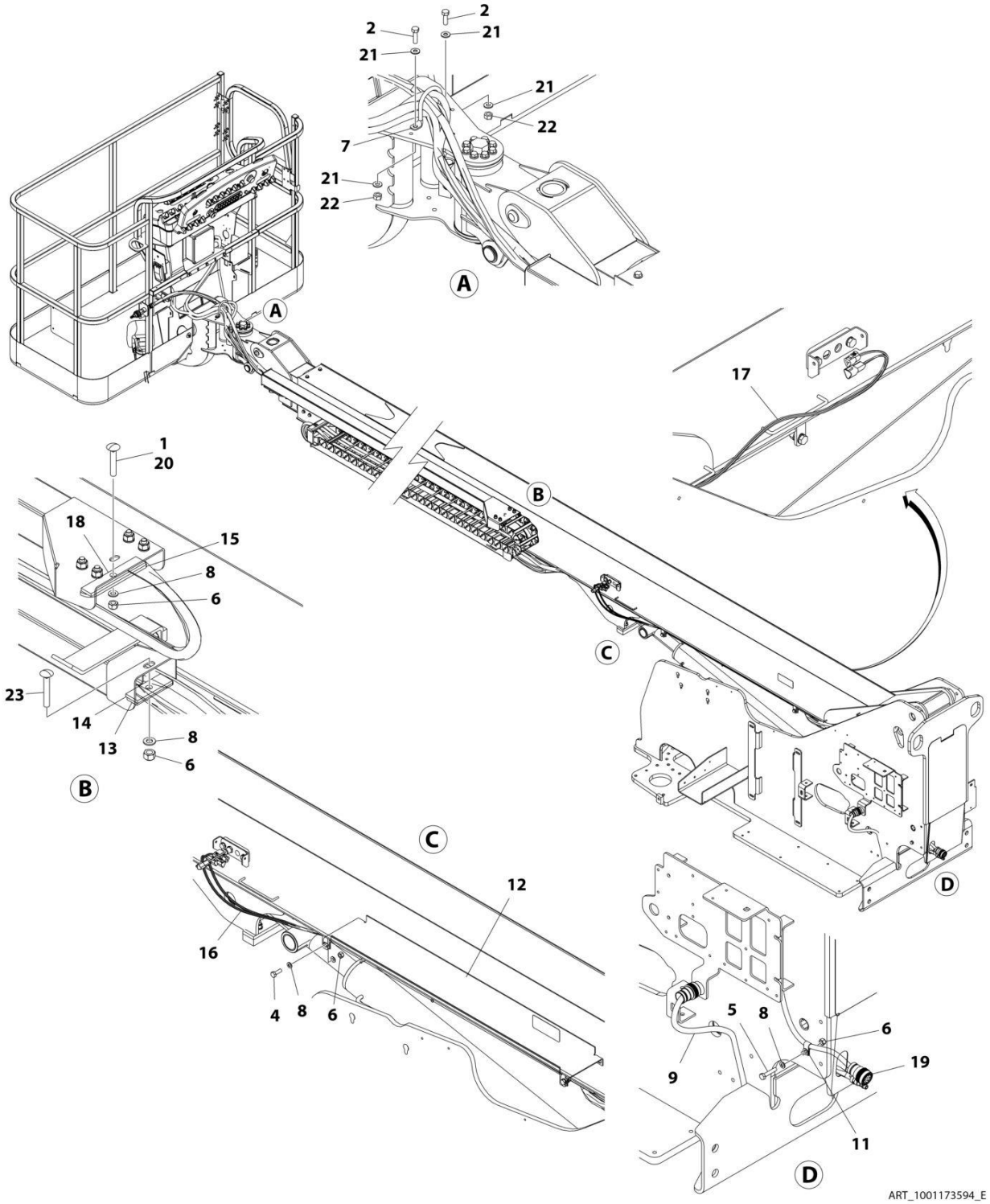


FIGURE 8-27. CABLES AND CLAMPS INSTALLATION -WITHOUT GENERATOR (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173594	Ref	CABLES AND CLAMPS INSTALLATION	E
1	0630563	1	Bolt Carriage M10 x 60	
2	0760814	1	Bolt M8 x 30	
4	0761014	4	Bolt M10 x 30	
5	0761018	1	Bolt M10 x 50	
6	3291005	7	Nut Lock M10 x 1.5	
7	3841340	1	Hose Loop	
8	4812000	12	Washer, M10	
9	1001176952	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
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	1001203434	1	Cable, Electrical 12/3	
20	0100081	AR	Adhesive	
21	4811900	4	Washer M8	
22	3290805	2	Nut M8	
23	1001181329	1	Bolt M10 x 70	

FIGURE 8-28. CABLES AND CLAMPS INSTALLATION -WITH 4000W-50HZ GENERATOR (400SC)

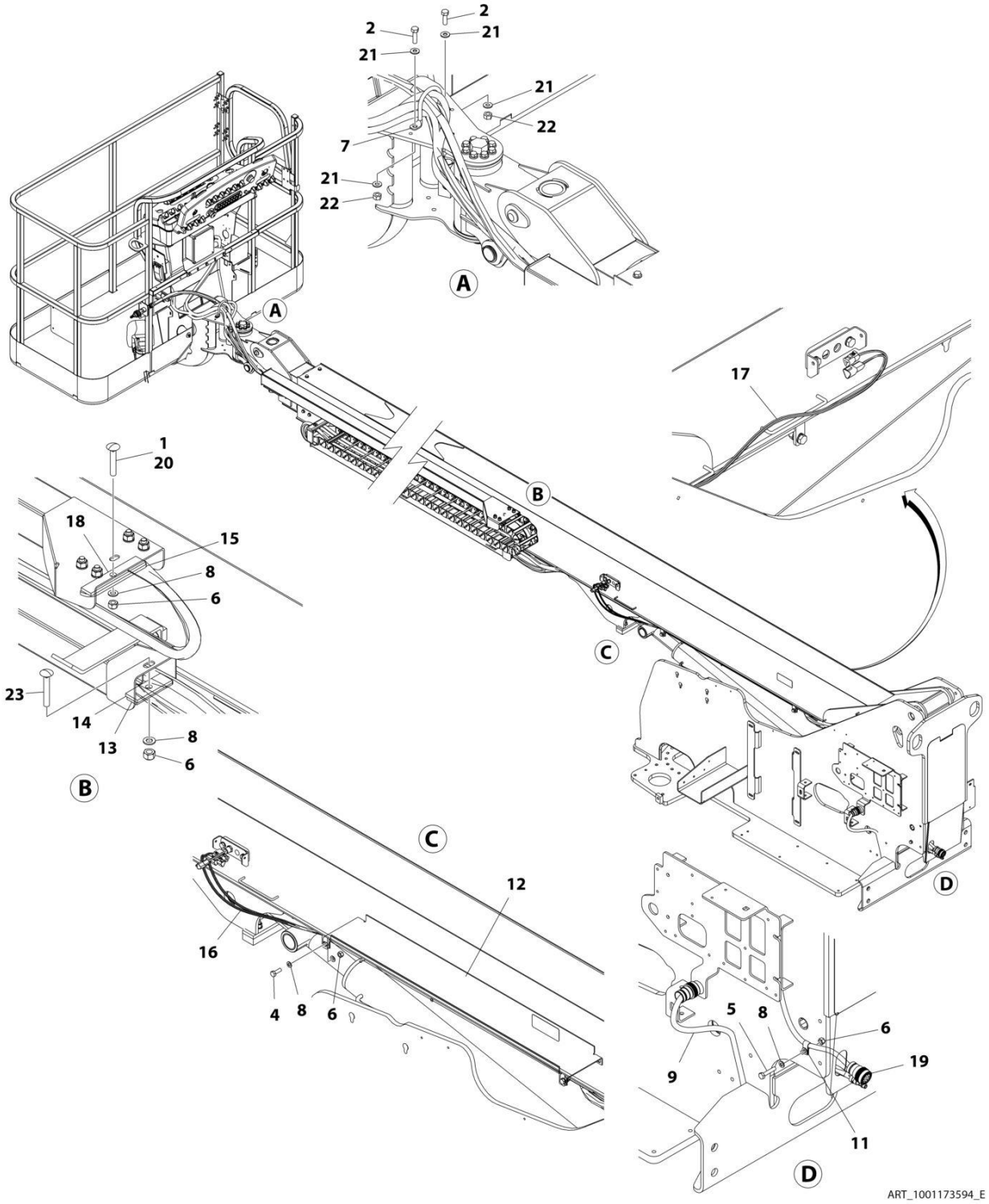


FIGURE 8-28. CABLES AND CLAMPS INSTALLATION -WITH 4000W-50HZ GENERATOR (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173594	Ref	CABLES AND CLAMPS INSTALLATION	E
1	0630563	1	Bolt Carriage M10 x 60	
2	0760814	1	Bolt M8 x 30	
4	0761014	4	Bolt M10 x 30	
5	0761018	1	Bolt M10 x 50	
6	3291005	7	Nut Lock M10 x 1.5	
7	3841340	1	Hose Loop	
8	4812000	12	Washer, M10	
9	1001176952	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
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	1001203434	1	Cable, Electrical 12/3	
20	0100081	AR	Adhesive	
21	4811900	4	Washer M8	
22	3290805	2	Nut M8	
23	1001181329	1	Bolt M10 x 70	

FIGURE 8-29. CABLES AND CLAMPS INSTALLATION -WITH 4000W-60HZ GENERATOR (400SC)

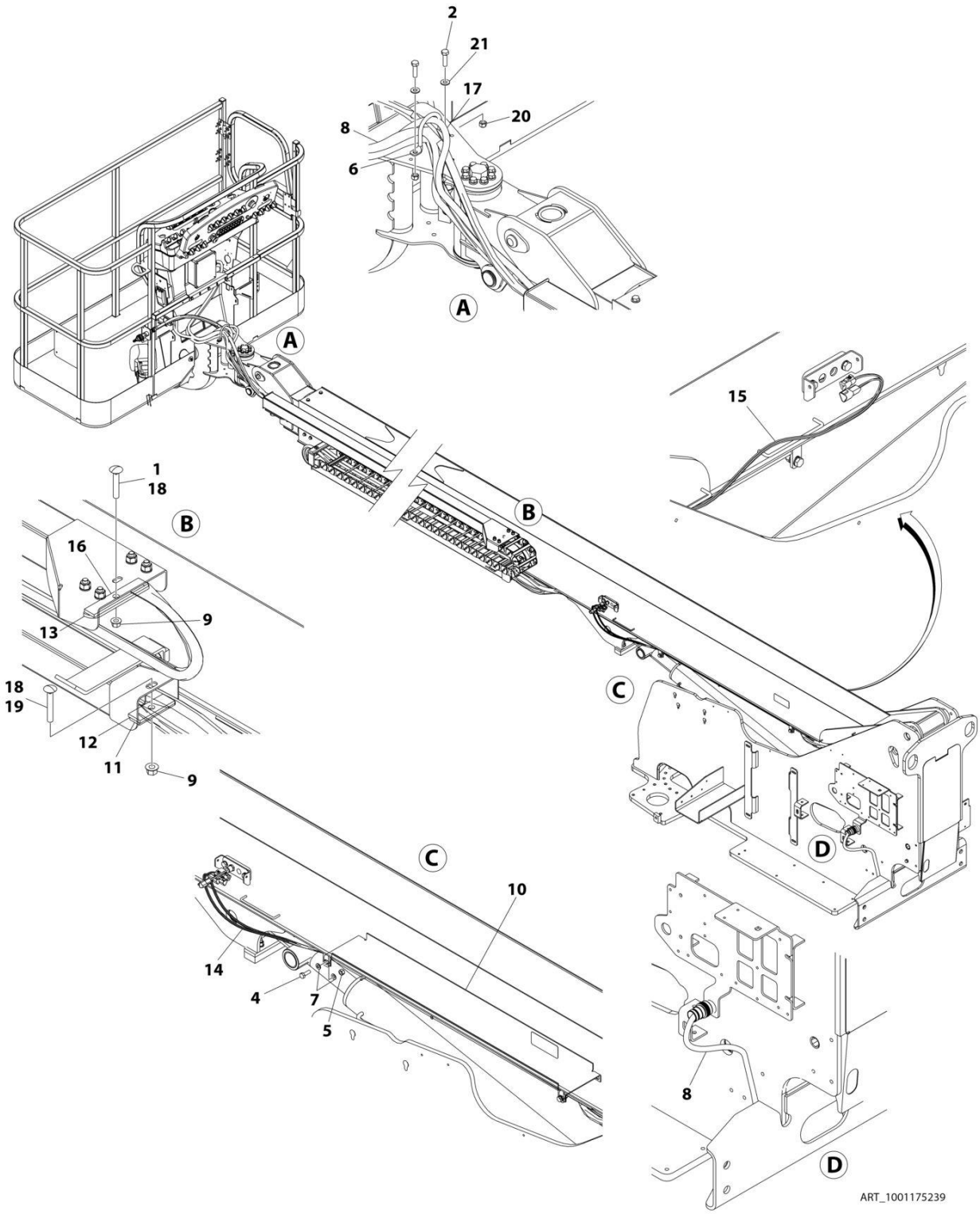


FIGURE 8-29. CABLES AND CLAMPS INSTALLATION -WITH 4000W-60HZ GENERATOR (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175239	Ref	CABLES AND CLAMPS INSTALLATION	D
1	0630563	1	Bolt, Carriage M10 x 60	
2	0760814	2	Bolt, M8 x 30	
4	0761014	4	Bolt M10 x 30	
5	3291005	4	Nut M10	
6	3841340	1	Hose Loop	
7	4812000	8	Washer M10	
8	1001176952	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
9	5261018	2	Nut M10	
10	1001172128	1	Bracket, Hose Cover	
11	1001173456	1	Clamp	
12	1001173665	1	Clamp	
13	1001173761	1	Bracket	
14	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
15	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
16	1001173927	1	Clamp	
17	1001175170	1	Cable, Electrical 12/3	
18	0100081	AR	Adhesive	
19	1001181329	1	Bolt, Carriage M10 x 70	
20	3290805	3	Nut M8	
21	4811900	4	Washer M8	

FIGURE 8-30. CABLES AND CLAMPS INSTALLATION -WITH 7500W GENERATOR (400SC)

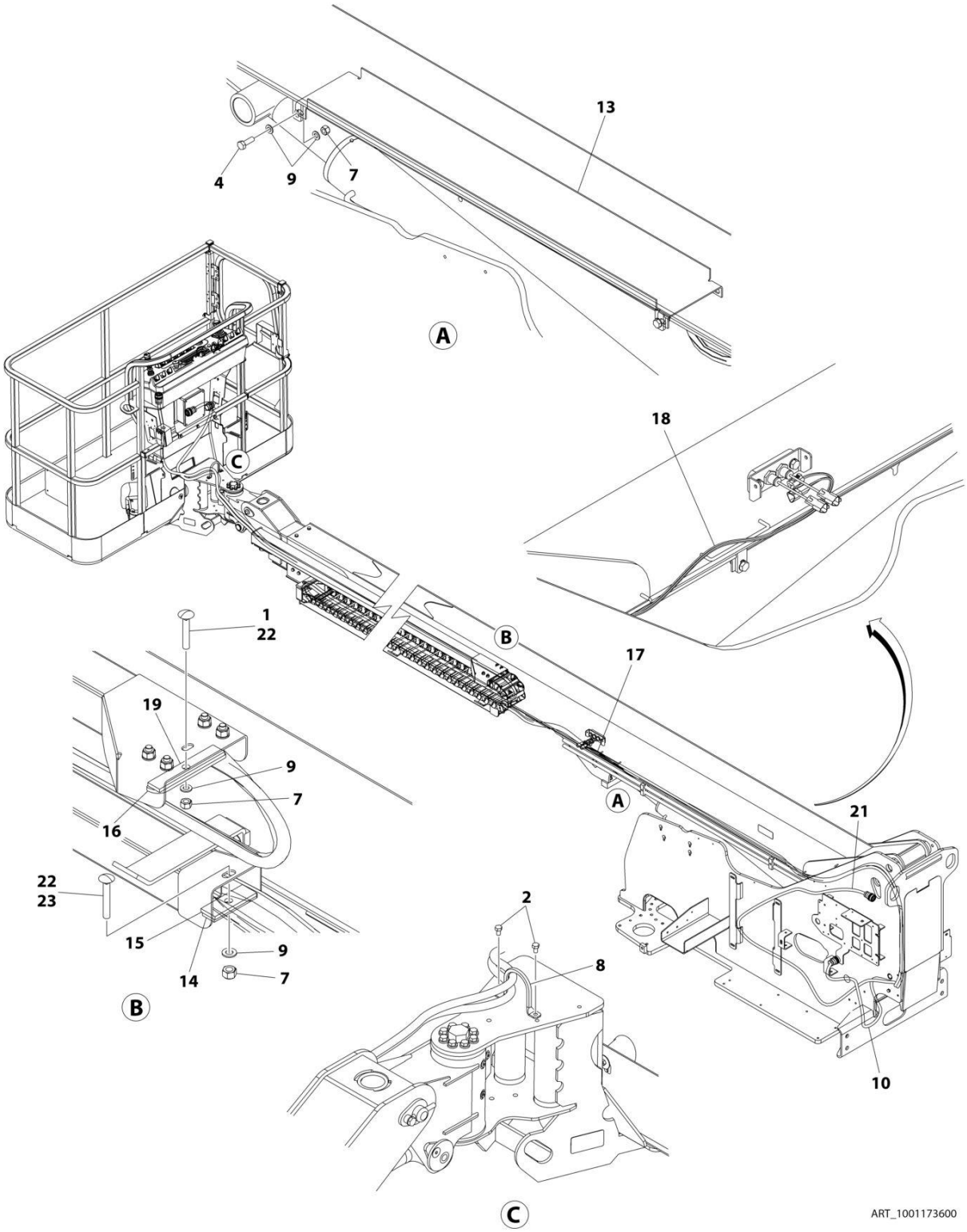


FIGURE 8-30. CABLES AND CLAMPS INSTALLATION -WITH 7500W GENERATOR (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173600	Ref	CABLES AND CLAMPS INSTALLATION	E
1	0630563	1	Bolt, Carriage M10 x 60	
2	0641504	2	Bolt, 5/16 x 1/2	
4	0761014	4	Bolt, M10 x 30	
7	3291005	6	Nut, Lock M10 x 1.5	
8	3841340	1	Hose Loop	
9	4812000	10	Washer, M10	
10	1001176952	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
13	1001172128	1	Bracket, Hose Cover	
14	1001173456	1	Clamp	
15	1001173665	1	Clamp	
16	1001173761	1	Bracket	
17	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
18	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
19	1001173927	1	Clamp	
21	4922802	1	Cable, Electrical 8/5	
22	0100081	1	Adhesive	
23	1001181319	1	Bolt, Carriage M10 x 70	

FIGURE 8-31. CABLES AND CLAMPS INSTALLATION -WITHOUT GENERATOR (460SJC)

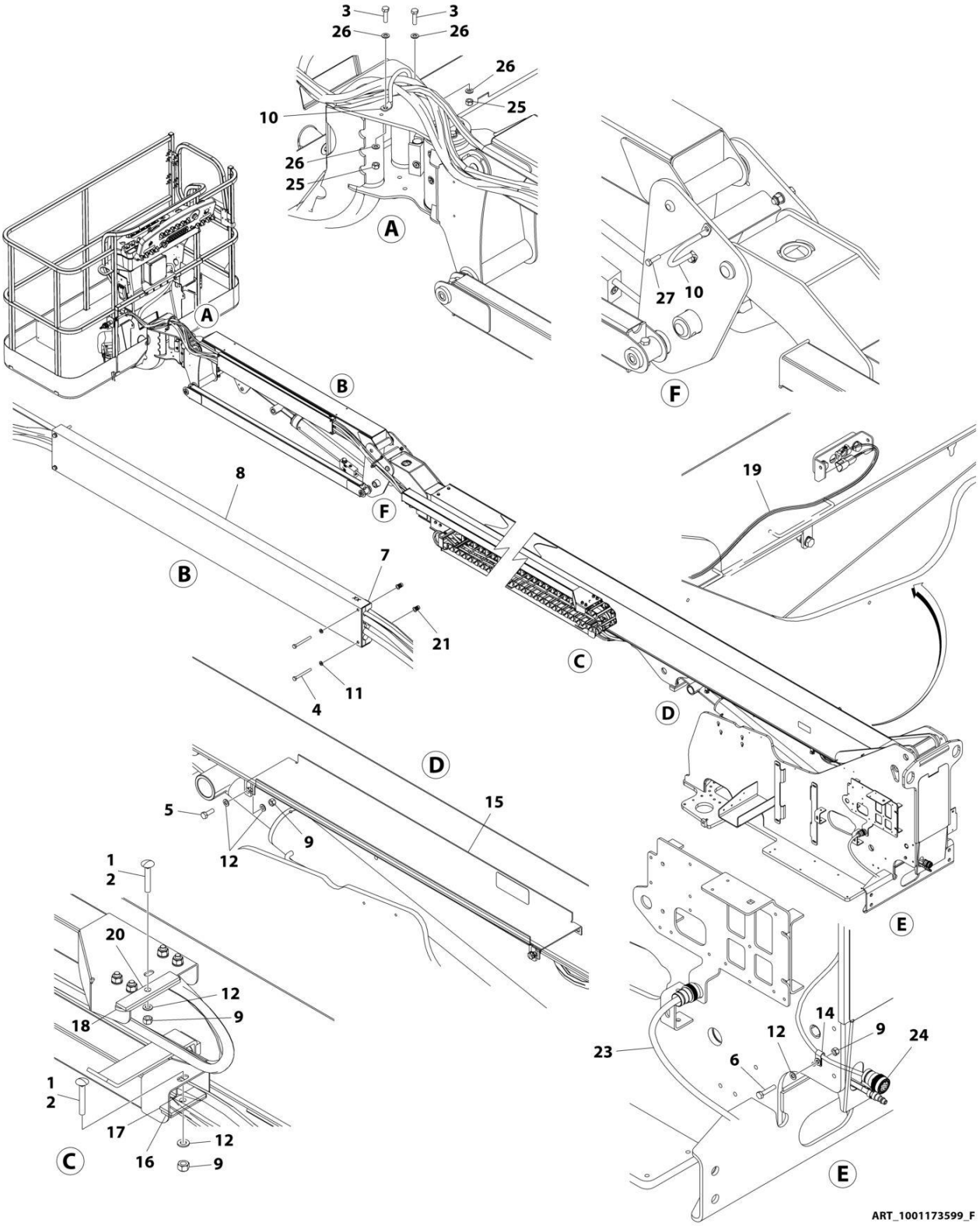


FIGURE 8-31. CABLES AND CLAMPS INSTALLATION -WITHOUT GENERATOR (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173599	Ref	CABLES AND CLAMPS INSTALLATION	F
1	0100081	1	Adhesive	
2	0630563	2	Bolt, Carriage M10 x 60	
3	0760814	2	Bolt M8 x 30	
4	0641418	4	Bolt 1/4 x 2-1/4	
4	0700620	4	Bolt M6 x 60	
5	0761014	4	Bolt, M10 x 30	
6	0761018	1	Bolt, M10 x 50	
7	1001203459	2	Block, Clamp	
8	1670769	1	Cover	
9	3291005	7	Nut, Lock M10 x 1.5	
10	3841340	2	Hose Loop	
11	4811700	4	Washer, M6	
12	4812000	12	Washer, M10	
14	8406110	1	Clip	
15	1001172128	1	Bracket, Hose Cover	
16	1001173456	1	Clamp	
17	1001173665	1	Clamp	
18	1001173761	1	Bracket	
19	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
20	1001173927	1	Clamp	
21	1001176636	4	Nut M6	
21	1001260680	4	Rivnut M6	
23	1001176953	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
24	1001203435	1	Cable, Electrical 12/3	
25	3290805	2	Nut, Lock M8	
26	4811900	4	Washer M8	
27	0641504	2	Bolt 5/16 x 1/2	

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FIGURE 8-32. CABLES AND CLAMPS INSTALLATION - WITH 4000W GENERATOR 50HZ (460SJC)

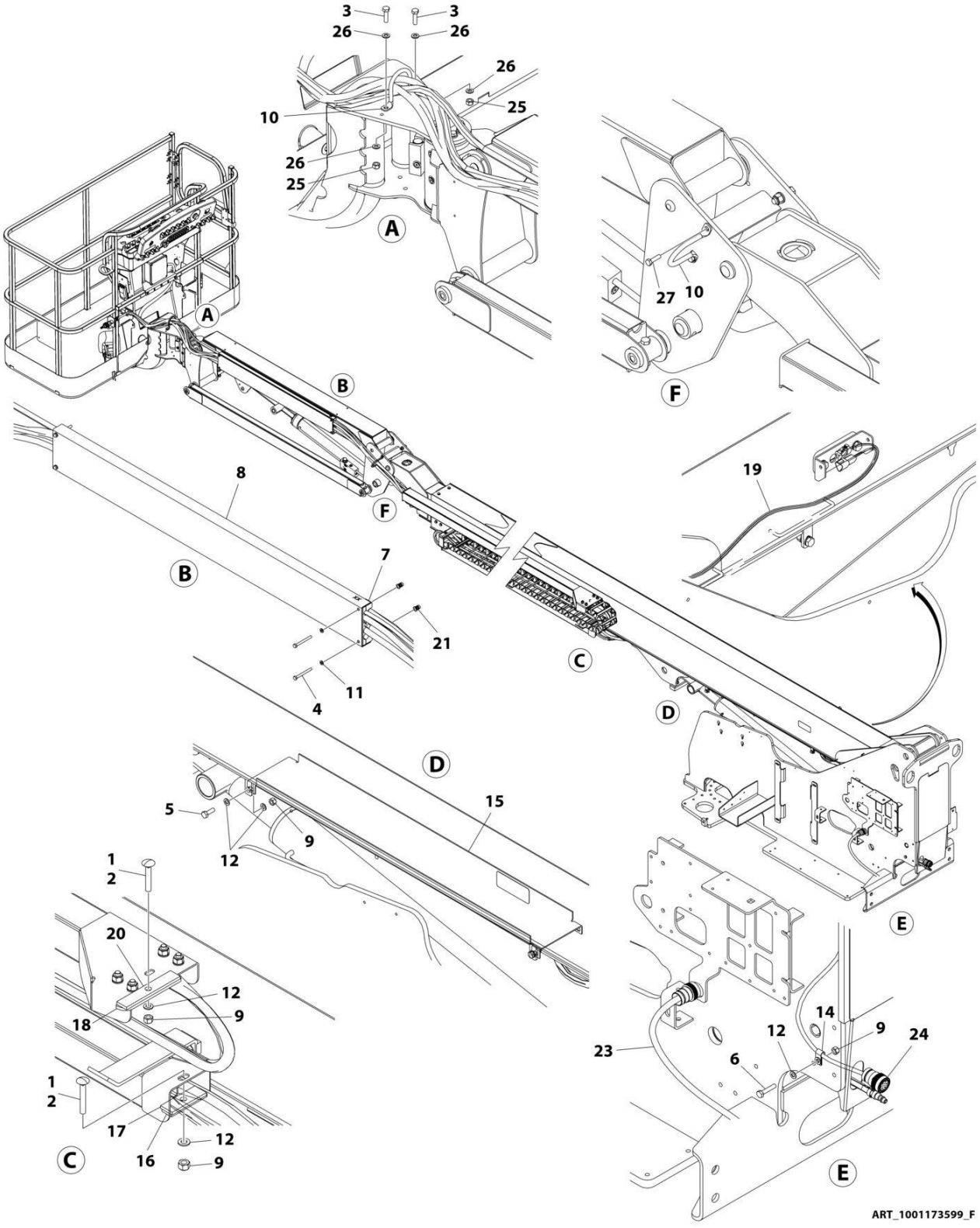


FIGURE 8-32. CABLES AND CLAMPS INSTALLATION - WITH 4000W GENERATOR 50HZ (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173599	Ref	CABLES AND CLAMPS INSTALLATION	F
1	0100081	1	Adhesive	
2	0630563	2	Bolt, Carriage M10 x 60	
3	0760814	2	Bolt M8 x 30	
4	0641418	4	Bolt 1/4 x 2-1/4	
4	0700620	4	Bolt M6 x 60	
5	0761014	4	Bolt, M10 x 30	
6	0761018	1	Bolt, M10 x 50	
7	1001203459	2	Block, Clamp	
8	1670769	1	Cover	
9	3291005	7	Nut, Lock M10 x 1.5	
10	3841340	2	Hose Loop	
11	4811700	4	Washer, M6	
12	4812000	12	Washer, M10	
14	8406110	1	Clip	
15	1001172128	1	Bracket, Hose Cover	
16	1001173456	1	Clamp	
17	1001173665	1	Clamp	
18	1001173761	1	Bracket	
19	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
20	1001173927	1	Clamp	
21	1001176636	4	Nut M6	
21	1001260680	4	Rivnut M6	
23	1001176953	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
24	1001203435	1	Cable, Electrical 12/3	
25	3290805	2	Nut, Lock M8	
26	4811900	4	Washer M8	
27	0641504	2	Bolt 5/16 x 1/2	

FIGURE 8-33. CABLES AND CLAMPS INSTALLATION -WITH 4000W GENERATOR 60HZ (460SJC)

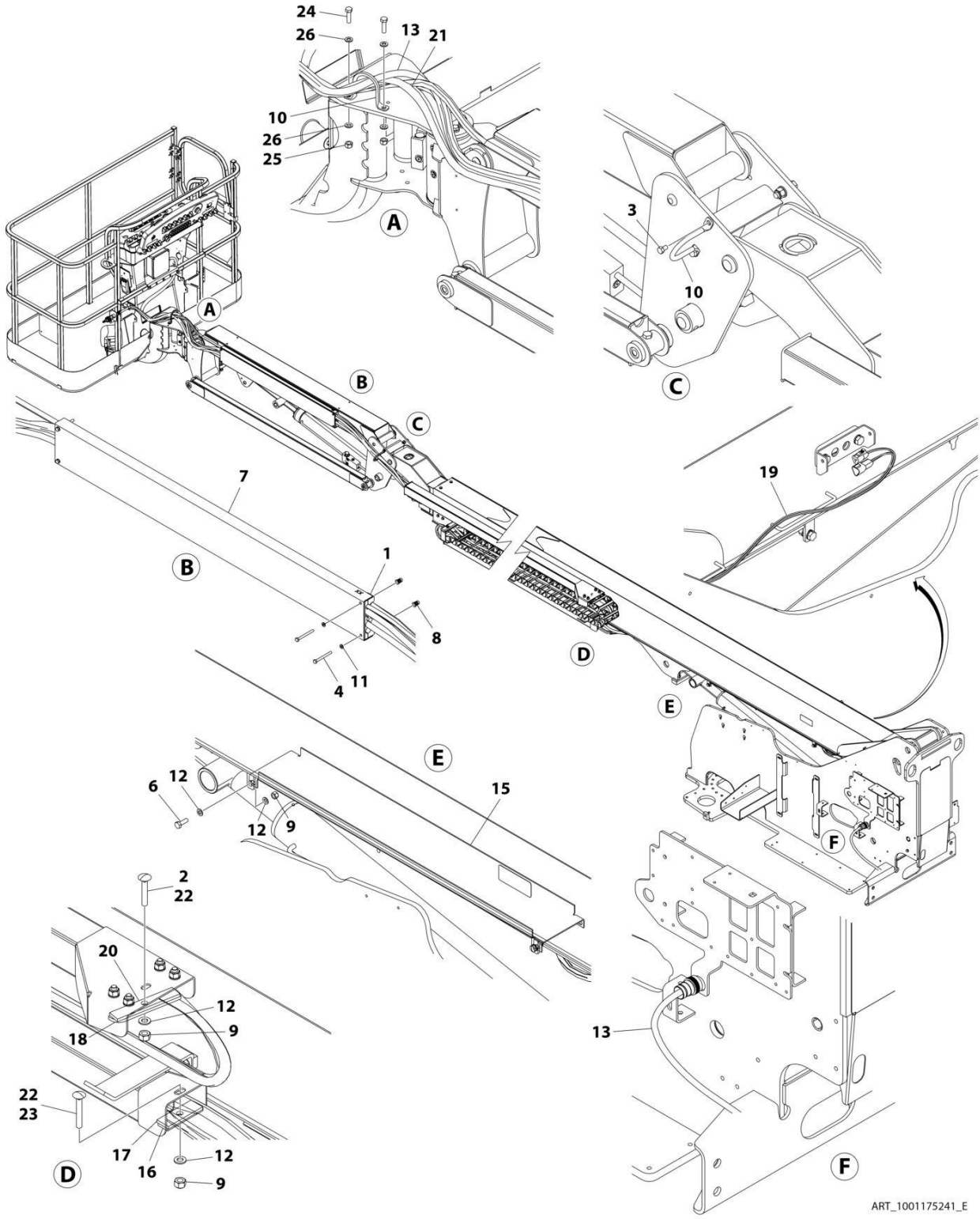


FIGURE 8-33. CABLES AND CLAMPS INSTALLATION -WITH 4000W GENERATOR 60HZ (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175241	Ref	CABLES AND CLAMPS INSTALLATION	E
1	0561237	2	Block, Clamp	
2	0630563	1	Bolt, Carriage M10 x 60	
3	0641504	1	Bolt 5/16 x 1/2	
4	0700620	4	Bolt M6 x 60	
6	0761014	4	Bolt M10 x 30	
7	1670769	1	Cover	
8	1001176636	4	Nut M6	
8	1001260680	4	Rivnut M6	
9	3291005	6	Nut M10	
10	3841340	2	Hose Loop	
11	4811700	4	Washer M6	
12	4812000	10	Washer M10	
13	1001176953	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
15	1001172128	1	Bracket, Hose Cover	
16	1001173456	1	Clamp	
17	1001173665	1	Clamp	
18	1001173761	1	Bracket	
19	1001173808	1	Harness, Telescope in Proximity Sensors (See Separate Breakdown in this Section)	
20	1001173927	1	Clamp	
21	1001175171	1	Cable, Electrical 12/3	
22	0100081	AR	Adhesive	
23	1001181329	1	Bolt, Carriage M10 x 70	
24	0760814	2	Bolt M8 x 30	
25	3290805	2	Nut M8	
23	4811900	4	Washer M8	

FIGURE 8-34. CABLES AND CLAMPS INSTALLATION - WITH 7500W GENERATOR (460SJC)

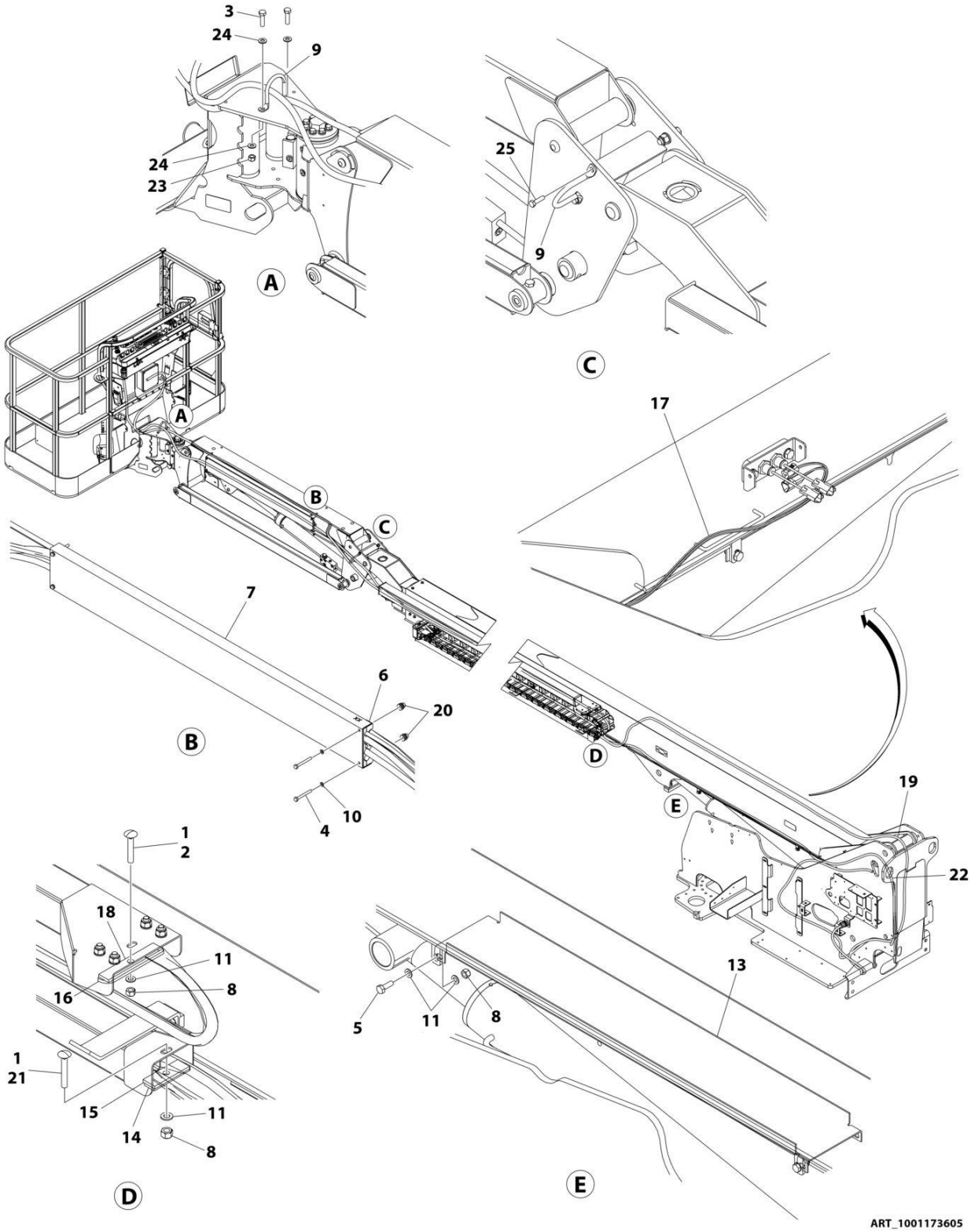


FIGURE 8-34. CABLES AND CLAMPS INSTALLATION - WITH 7500W GENERATOR (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173605	Ref	CABLES AND CLAMPS INSTALLATION	G
1	0100081	1	Adhesive	
2	0630563	1	Bolt, Carriage M10 x 60	
3	0760814	2	Bolt M8 x 30	
4	0700620	4	Bolt M6 x 60	
5	0761014	4	Bolt M10 x 30	
6	1001203459	2	Block, Clamp	
7	1670769	1	Cover	
8	3291005	6	Nut M10	
9	3841340	2	Hose Loop	
10	4811700	4	Washer M6	
11	4812000	10	Washer M10	
13	1001172128	1	Bracket, Hose Cover	
14	1001173456	1	Clamp	
15	1001173665	1	Clamp	
16	1001173761	1	Bracket	
17	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
18	1001173927	1	Clamp	
19	4922803	1	Cable, Electrical 8/5	
20	1001176636	4	Nut, Rivet M6	
20	1001260680	4	Rivnut M6	
21	1001181329	1	Bolt, Carriage M10 x 70	
22	1001176953	1	Harness, Main Boom (See Separate Breakdown in this Section)	
23	3290805	2	Nut, Lock M8	
24	4811900	4	Washer M8	
25	0641504	2	Bolt 5/16 x 1/2	

FIGURE 8-35. CLEARSKY INSTALLATION - 4G CANBUS CONNECTION (ALL SPECS)

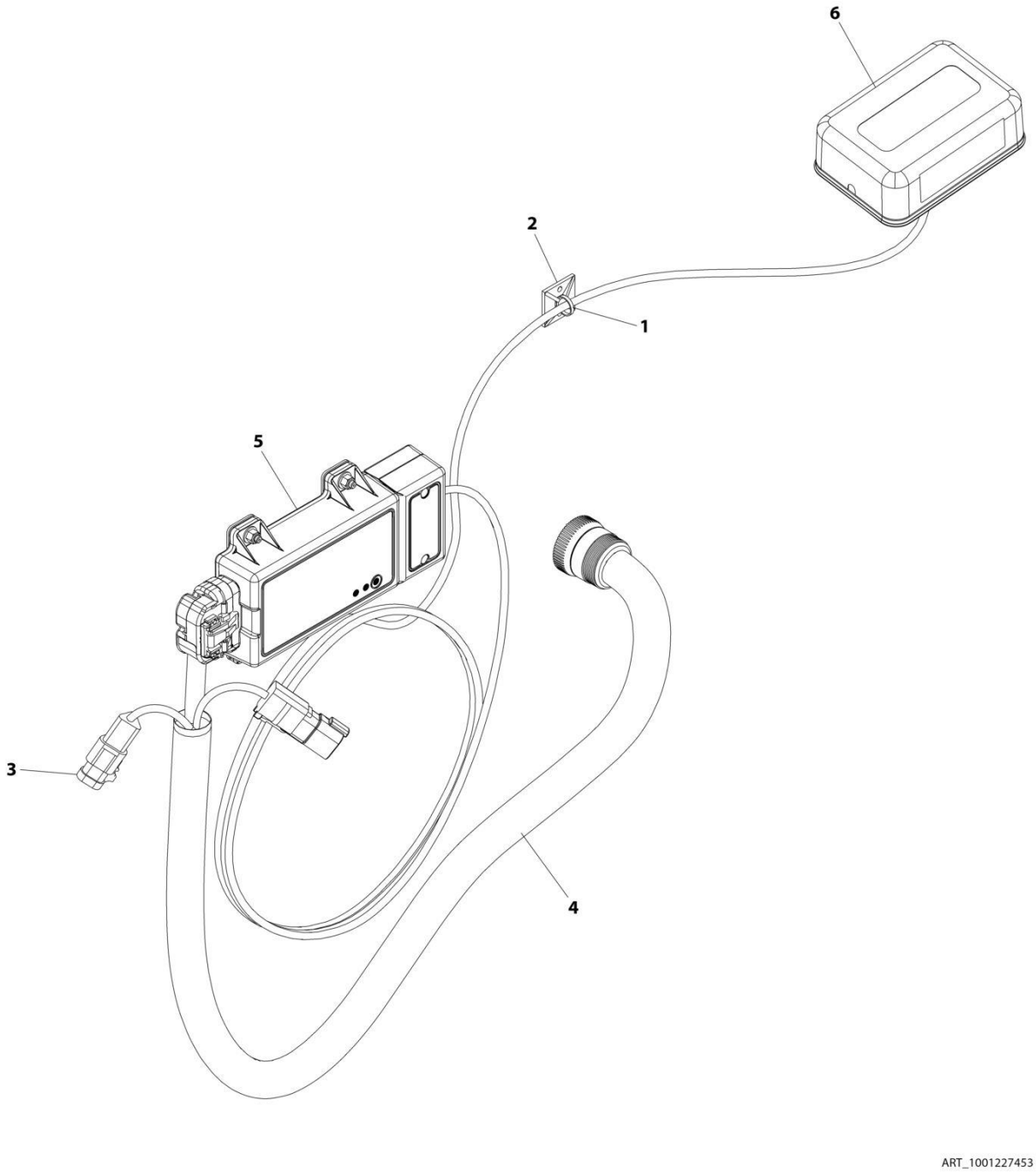


FIGURE 8-35. CLEARSKY INSTALLATION - 4G CANBUS CONNECTION (ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227453	Ref	CLEARSKY INSTALLATION - CANBUS	C
1	4240032	AR	Tie-Strap	
2	4460234	AR	Cable Tie	
3	1001129408	1	Connector	
4	1001226739	1	ClearSky Harness (See Separate Breakdown in ELECTRICAL Section)	
5	1001262322	1	Telematics Control Module (Note: Re-calibration Required when Replaced)	
6	1001262326	1	Antenna	

FIGURE 8-36. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (ANSI EXPORT, CE, JAPANESE & UK CA SPECS)

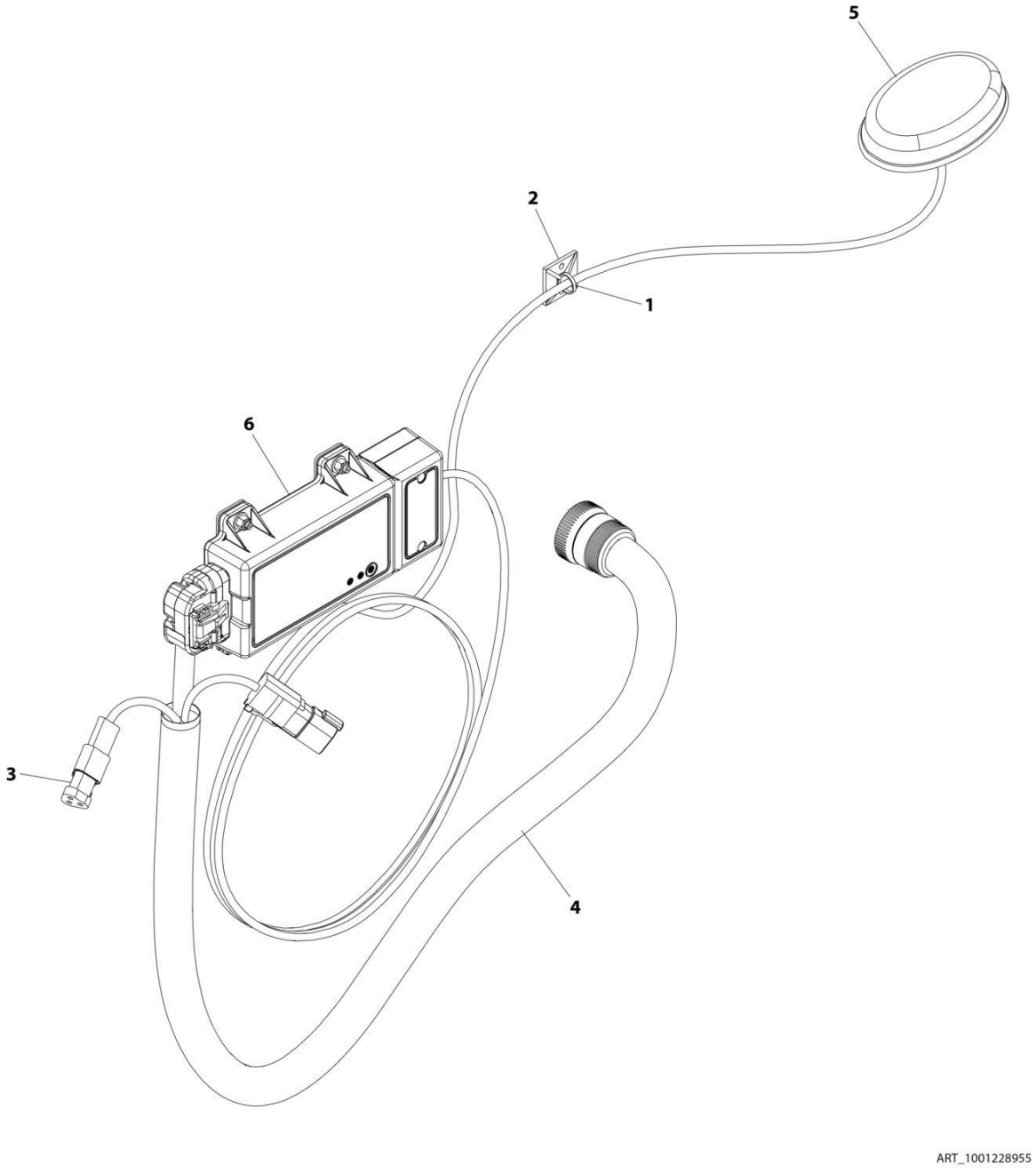
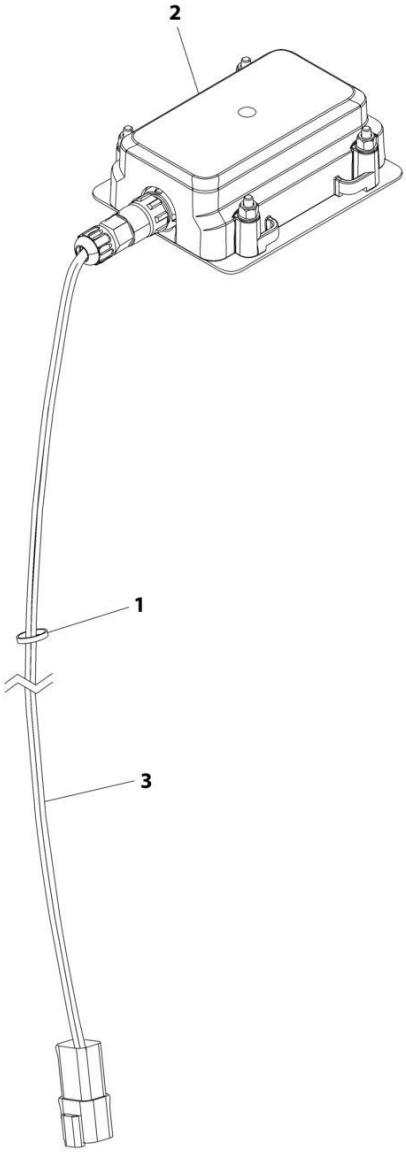


FIGURE 8-36. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (ANSI EXPORT, CE, JAPANESE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228955	Ref	CLEARSKY INSTALLATION - CANBUS	A
1	4240032	AR	Tie-Strap	
2	4460234	AR	Cable Tie	
3	1001116815	1	Connector	
4	1001226739	1	ClearSky Harness (See Separate Breakdown in ELECTRICAL Section)	
5	1001226799	1	Antenna	
6	1001228954	1	Telematics Control Module (Note: Re-calibration Required when Replaced)	

FIGURE 8-37. CLEARSKY INSTALLATION 3-WIRE GT1030 CONNECTION (ALL SPECS)

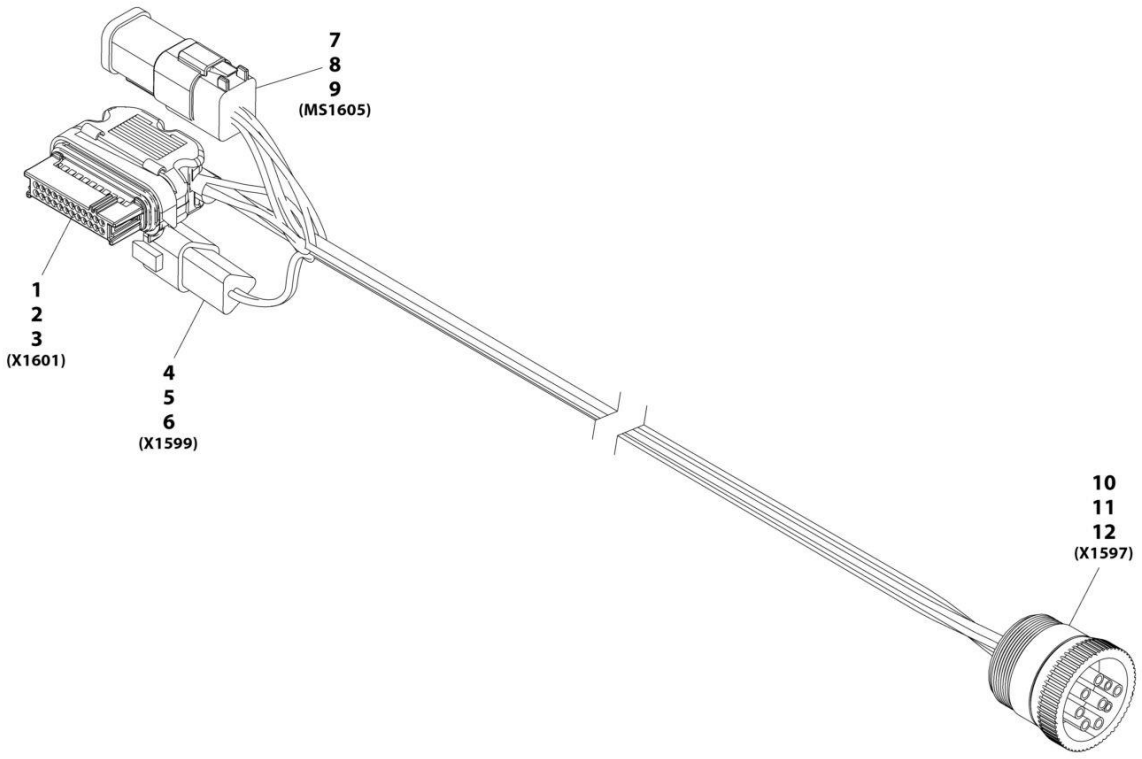


ART_1001276610

FIGURE 8-37. CLEARSKY INSTALLATION 3-WIRE GT1030 CONNECTION (ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276610	Ref	CLEARSKY INSTALLATION 3-WIRE CONNECTION	A
1	4240032	AR	Tie-Strap	
2	1001272659	1	Telematics Control Module Assembly (Note: Re-calibration Required when Replaced)	
3	1001273012	1	ClearSky Harness (See Separate Breakdown in this Section)	

FIGURE 8-38. CLEARSKY HARNESS - 3G & 4G CANBUS CONNECTIONS



ART_1001226739-A

FIGURE 8-38. CLEARSKY HARNESS - 3G & 4G CANBUS CONNECTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001226739	Ref	Clearsky Harness	A
1	1001226636	1	Connector	
2	1001116731	16	Plug, Terminal	
3	1001226637	8	Terminal	
4	1001144147	1	Connector	
5	4460464	2	Terminal	
6	4460466	1	Plug, Terminal	
7	4460894	1	Connector	
8	4460465	6	Terminal	
9	1001226541	1	Connector- 6 Pin Bussbar	
10	1001112796	1	Connector	
11	4460465	8	Terminal	
12	4460466	1	Plug, Terminal	

FIGURE 8-39. CLEARSKY HARNESS - 3 WIRE GT1030

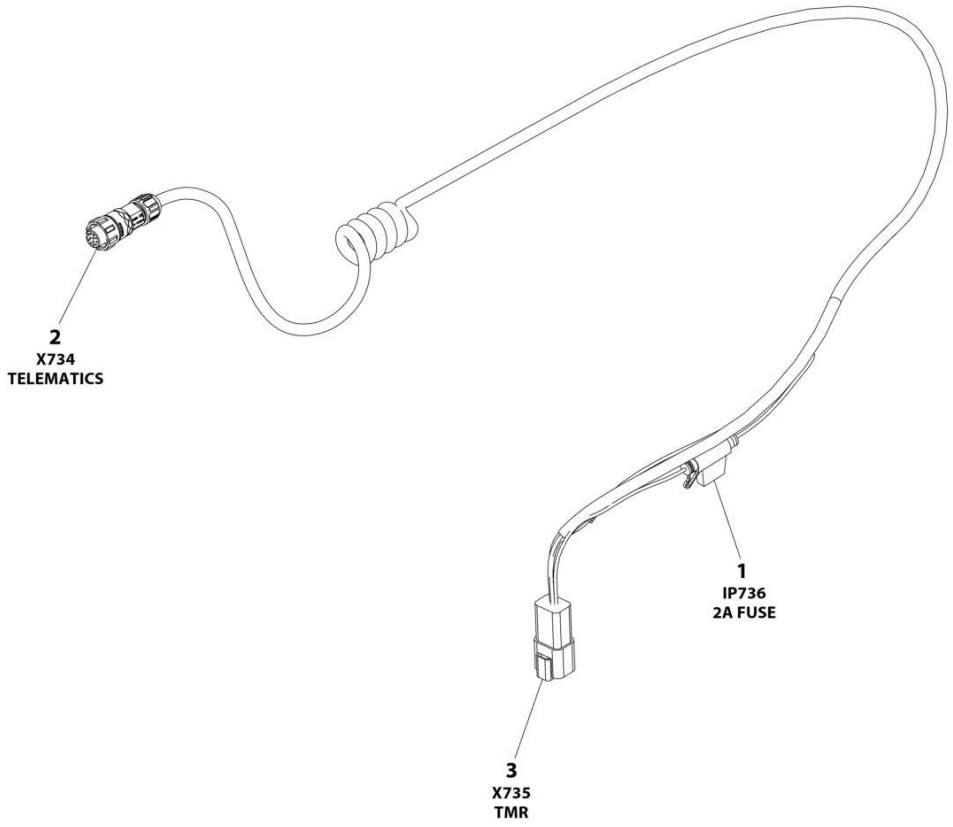


FIGURE 8-39. CLEARSKY HARNESS - 3 WIRE GT1030

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

FIGURE 8-40. ENGINE HARNESS - DEUTZ D2011

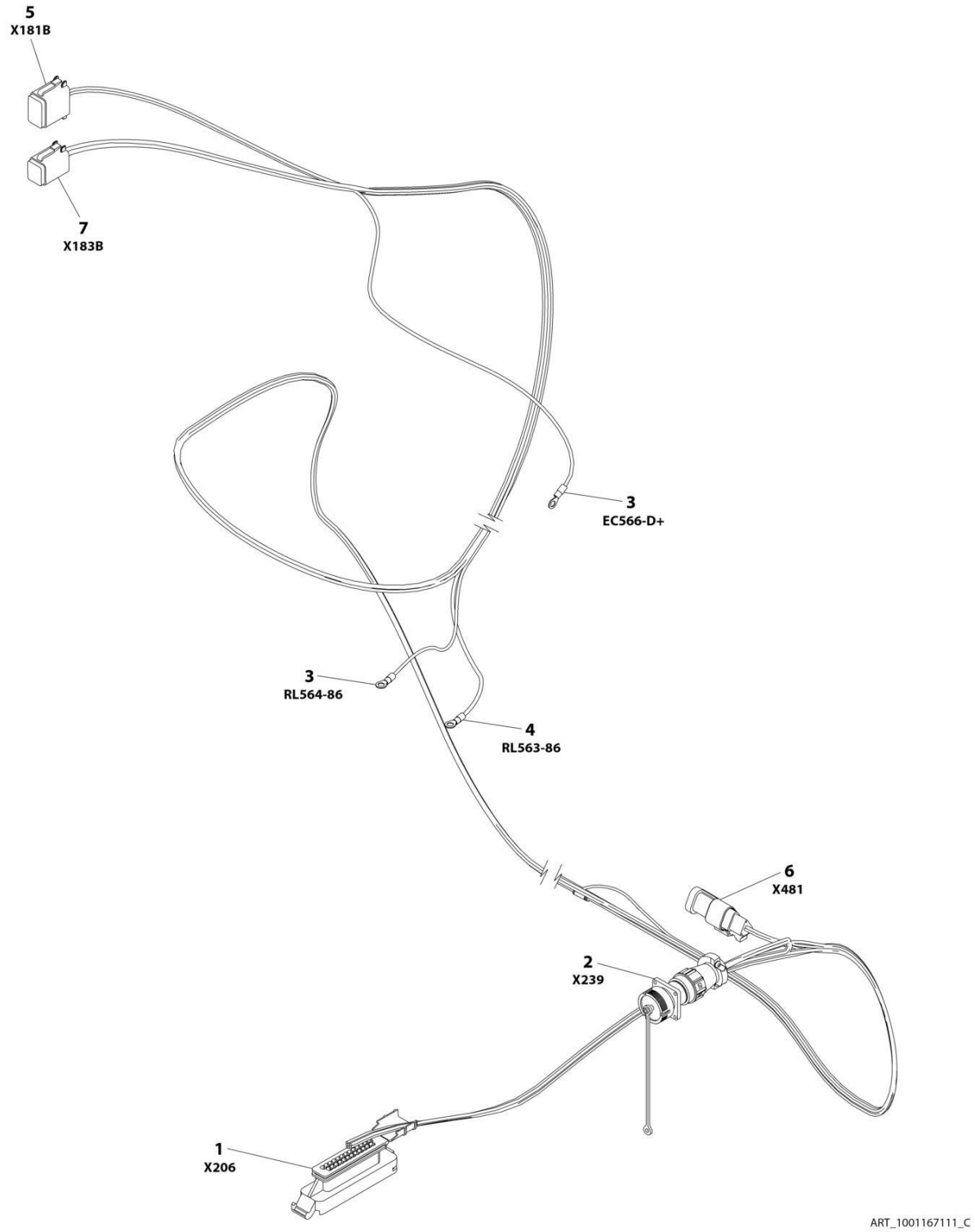


FIGURE 8-40. ENGINE HARNESS - DEUTZ D2011

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167111	Ref	ENGINE HARNESS - DEUTZ D2011	C
1	4461052	1	Connector 25 Position	
1	4461060	2	Terminal	
1	4461005	5	Terminal	
1	4461008	18	Plug, Terminal	
2	2902443	1	Receptacle Kit	
2	4461071	8	Terminal (Gold)	
2	4461072	1	Receptacle with Flange 8 Position	
2	4461073	1	Cap, Dust	
2	4461074	1	Shell, Black	
3	4460042	1	Terminal, Ring	
4	4460313	2	Terminal, Ring	
5	4460930	1	Connector 8 Position	
5	4460465	1	Terminal	
5	4460942	1	Terminal	
5	4460466	6	Plug, Terminal	
6	4461095	1	Connector 3 Position	
6	4460465	3	Terminal	
7	4460894	1	Connector 6 Position	
7	4460465	4	Terminal	
7	4460942	2	Terminal	

FIGURE 8-41. ENGINE HARNESS - DEUTZ D2.9L4

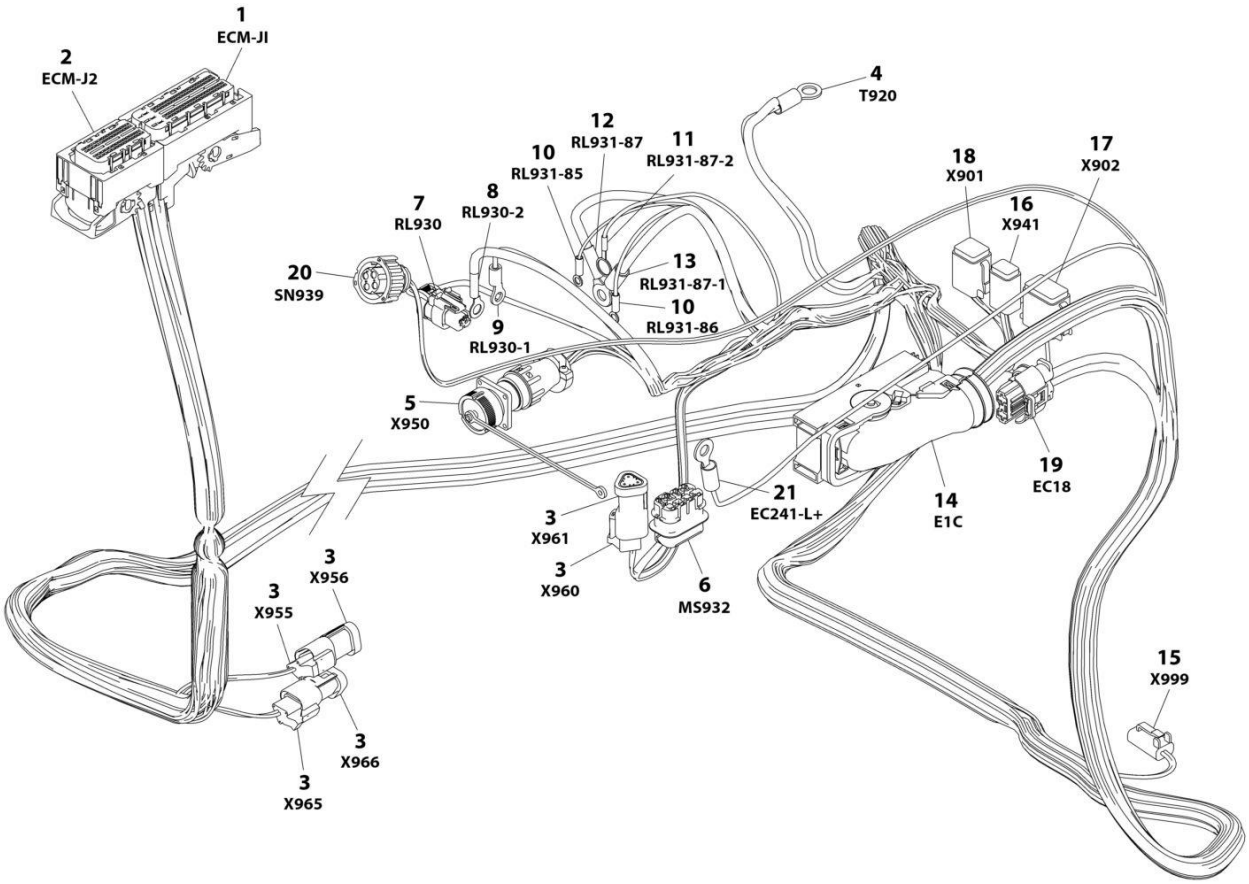


FIGURE 8-41. ENGINE HARNESS - DEUTZ D2.9L4

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167108	Ref	ENGINE HARNESS - DEUTZ D2.9L4	L
1	1001133956	1	Connector, 94 Position	
1	1001182361	6	Terminal	
1	1001126351	2	Terminal	
1	1001230934	17	Terminal	
1	1001230935	63	Plug, Terminal	
1	1001256507	4	Terminal	
1	1001230936	2	Plug, Terminal	
1	1001182365	6	Seal	
2	1001133957	1	Connector - 60 Position	
2	1001230936	11	Plug, Terminal	
2	1001126351	13	Terminal	
2	1001230935	19	Plug, Terminal	
2	1001230934	11	Terminal	
2	1001252527	4	Terminal	
2	1001256507	2	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	4460746	3	Terminal	
6	1001234800	1	Terminal	
6	4460748	4	Plug, Terminal	
6	4460458	4	Seal	
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	1	Terminal, Ring	
14	1001126362	1	Connector - 62 Position	
14	1001126363	25	Terminal	
14	1001126391	21	Seal, Terminal	
14	1001126392	10	Terminal	
14	4461008	4	Seal, Terminal	
14	1001126365	2	Terminal	
14	1001223459	10	Seal, Terminal	
14	1001126364	23	Seal, Terminal	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
14	1001256506	2	Seal, Terminal	
14	4461054	2	Seal, Terminal	
15	4460891	1	Plug, Male - 2 Position	
15	4460465	2	Socket, Female	
16	1001220379	1	Plug, Male - 4 Position	
16	4460465	2	Socket, Female	
16	4460942	2	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	3	Socket, Female	
18	4460944	2	Socket, Female	
18	4460466	1	Plug, Terminal	
19	1001142938	1	Connector - 2 Position	
19	1001142940	2	Terminal	
19	1001142941	2	Seal, Terminal	
20	1001133714	1	Plug, Male - 4 Position	
20	1001133715	3	Terminal	
20	1001135651	1	Plug, Terminal	
20	1001135650	3	Seal	
21	4460042	1	Terminal, Ring	

FIGURE 8-42. ENGINE HARNESS - DEUTZ D2.9L4 (STAGE V) ENGINE

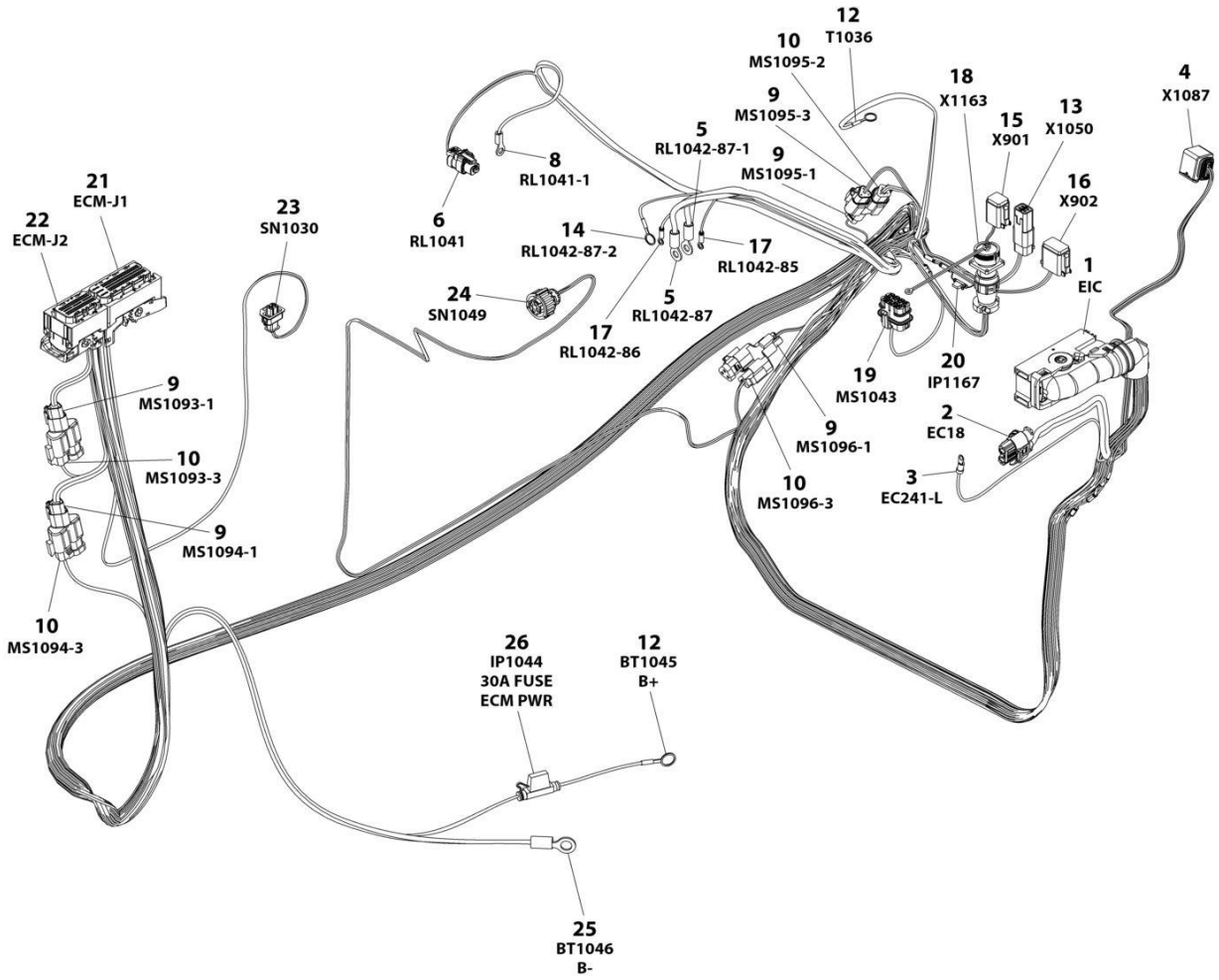


FIGURE 8-42. ENGINE HARNESS - DEUTZ D2.9L4 (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276643	Ref	ENGINE HARNESS - DEUTZ D2.9L4 (STAGE V) ENGINE	B
1	1001126362	1	Connector	
1	1001126363	37	Socket	
1	1001126391	7	Plug, Terminal	
1	1001126392	12	Socket	
1	4461008	4	Plug, Terminal	
1	1001167632	2	Socket	
1	1001126364	37	Plug, Terminal	
1	1001223459	12	Seal	
1	4461054	2	Seal	
2	1001142938	1	Connector	
2	1001142940	2	Socket	
2	1001142941	2	Seal	
3	4460042	1	Terminal, Ring	
4	1001239202	1	Connector	
4	1001126363	7	Socket	
4	1001126391	1	Plug, Terminal	
4	1001126364	7	Plug, Terminal	
5	1001117107	2	Terminal, Ring	
6	1001116952	1	Connector	
6	4460465	2	Socket	
8	4460043	1	Terminal, Ring	
9	1001116812	5	Connector	
9	4460944	10	Socket	
9	4460466	5	Plug, Terminal	
10	4460539	4	Connector	
10	4460944	8	Socket	
10	4460466	4	Plug, Terminal	
12	4460019	2	Terminal, Ring	
13	4460884	1	Connector	
13	4460465	2	Socket	
13	4460942	2	Socket	
14	4460703	1	Terminal, Ring	
15	4460894	1	Connector	
15	4460466	2	Plug, Terminal	
15	4460465	2	Socket	
15	4460944	2	Socket	
16	4460930	1	Connector	
16	4460465	1	Socket	
16	4460466	7	Plug, Terminal	
17	4460247	2	Terminal, Ring	
18	2902443	1	Receptacle Kit	
18	4461071	8	Socket	
18	4461072	1	Receptacle with Flange - 8 Position	
18	4461073	1	Cap, Dust	
18	4461074	1	Shell, Black	
19	80484084	1	Connector	
19	4460748	4	Plug, Socket	
19	4460746	3	Socket	
19	1001234800	1	Socket	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	4460458	4	Seal	
20	1001170764	1	Holder, Fuse	
20	1001197719	1	Fuse 0.5 Watt	
21	1001133956	1	Connector	
21	1001182361	6	Socket	
21	1001126351	3	Socket	
21	1001230934	23	Socket	
21	1001230935	57	Pin	
21	1001230936	1	Pin	
21	1001252527	4	Socket	
21	1001182365	6	Seal	
22	1001133957	1	Connector	
22	1001230936	11	Pin	
22	1001126351	13	Socket	
22	1001230935	10	Pin	
22	1001230934	26	Socket	
23	1001126487	1	Connector	
23	1001167635	2	Socket	
23	1001126485	2	Seal	
24	1001133714	1	Connector	
24	1001133715	3	Socket	
24	1001135651	1	Plug, Terminal	
24	1001135650	2	Seal	
25	4460115	1	Terminal, Ring	
26	1001172064	1	Fuse Holder (Includes Cover)	
26	1001172065	1	Fuse 30Amp	

FIGURE 8-43. FUEL HARNESS - DEUTZ D2.9L4 ENGINE

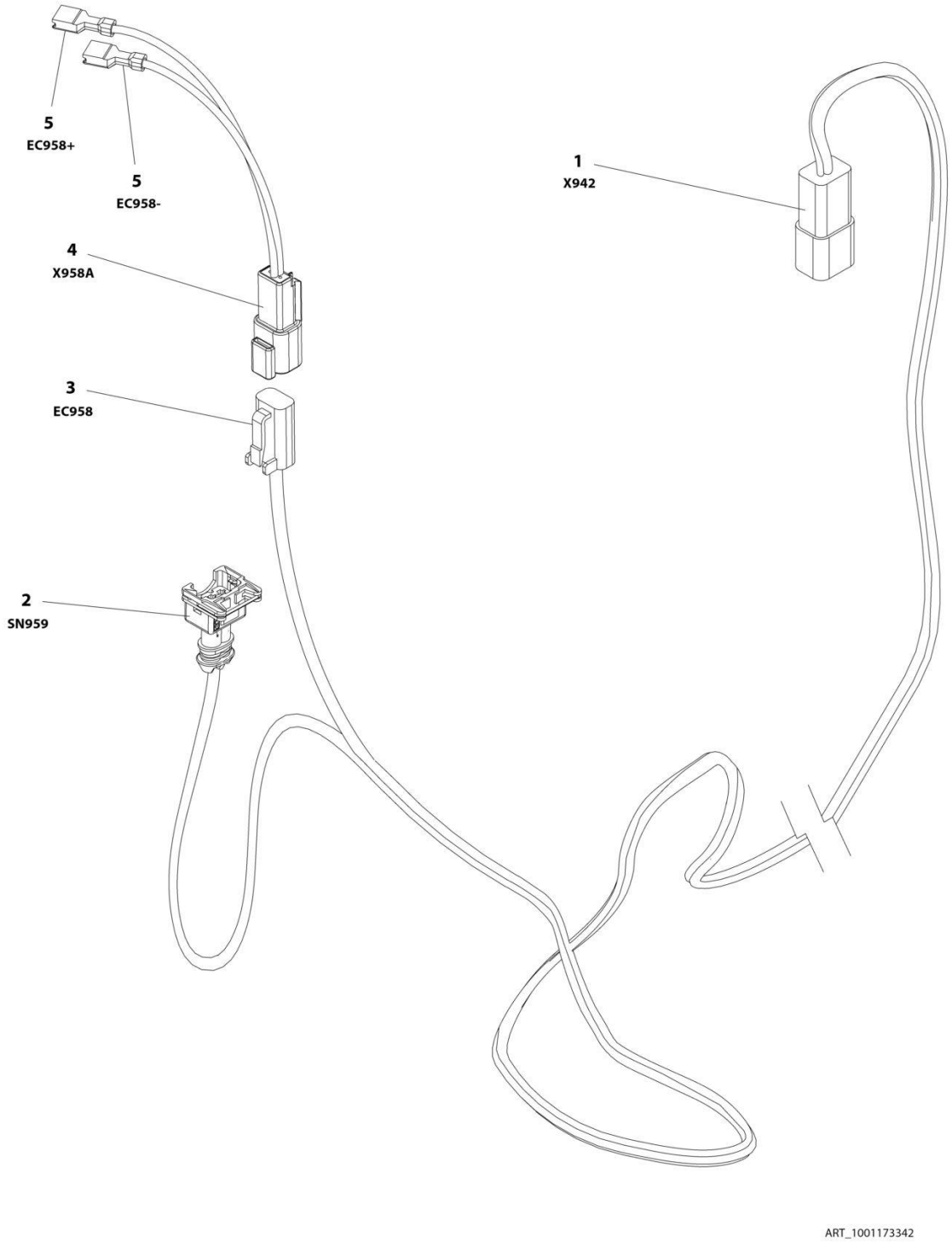


FIGURE 8-43. FUEL HARNESS - DEUTZ D2.9L4 ENGINE

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 8-44. GROUND CONTROL BOX HARNESS

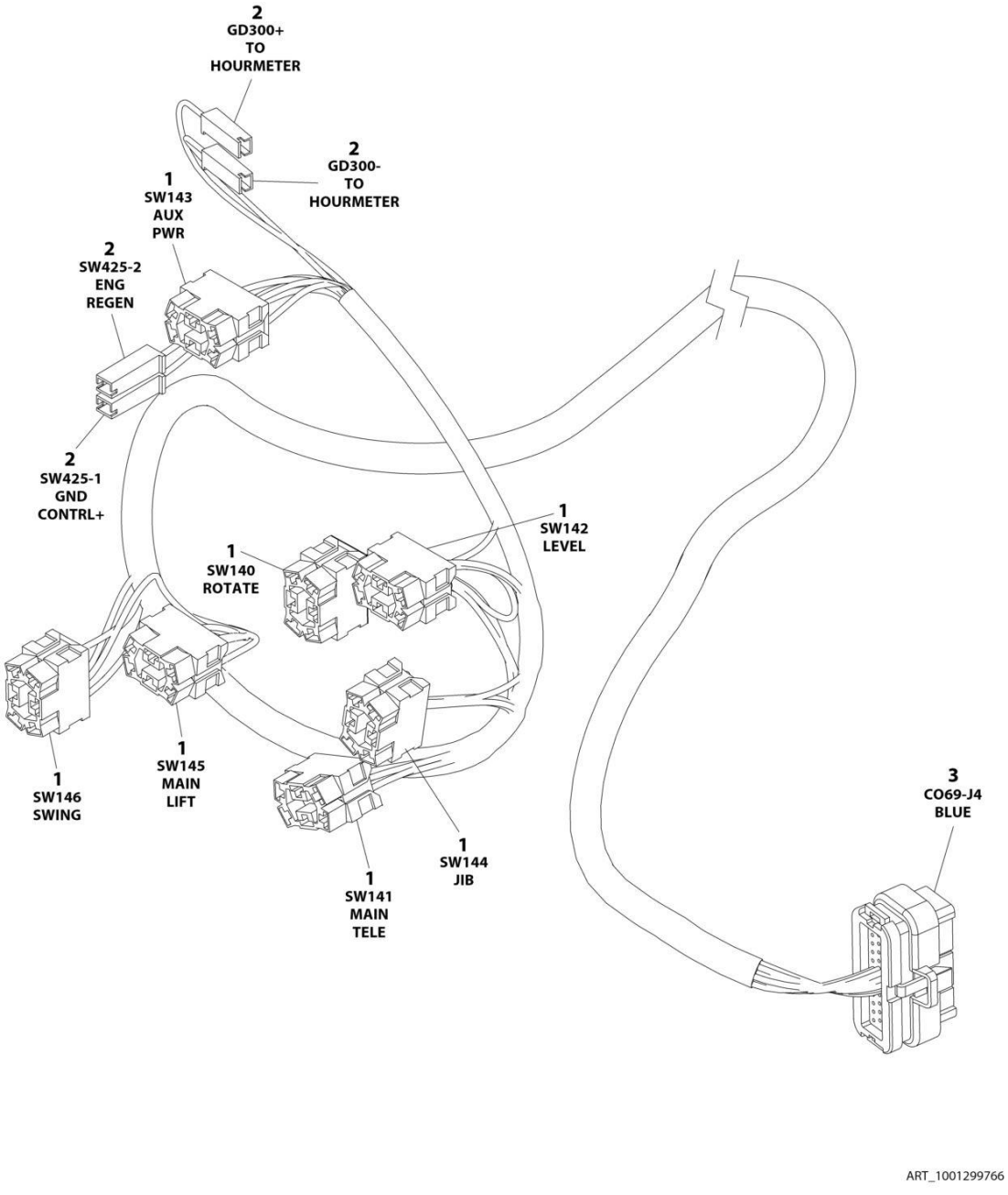


FIGURE 8-44. GROUND CONTROL BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001299766	Ref	GROUND CONTROL BOX HARNESS	A
1	4460418	7	Connector	
1	1001159186	14	Socket	
1	4460419	7	Socket	
2	4460260	4	Connector	
2	4460259	4	Socket	
3	4460876	1	Connector	
3	4460871	18	Socket	
3	4460905	17	Plug	

FIGURE 8-45. GENERATOR HARNESS - 4000W GENERATOR

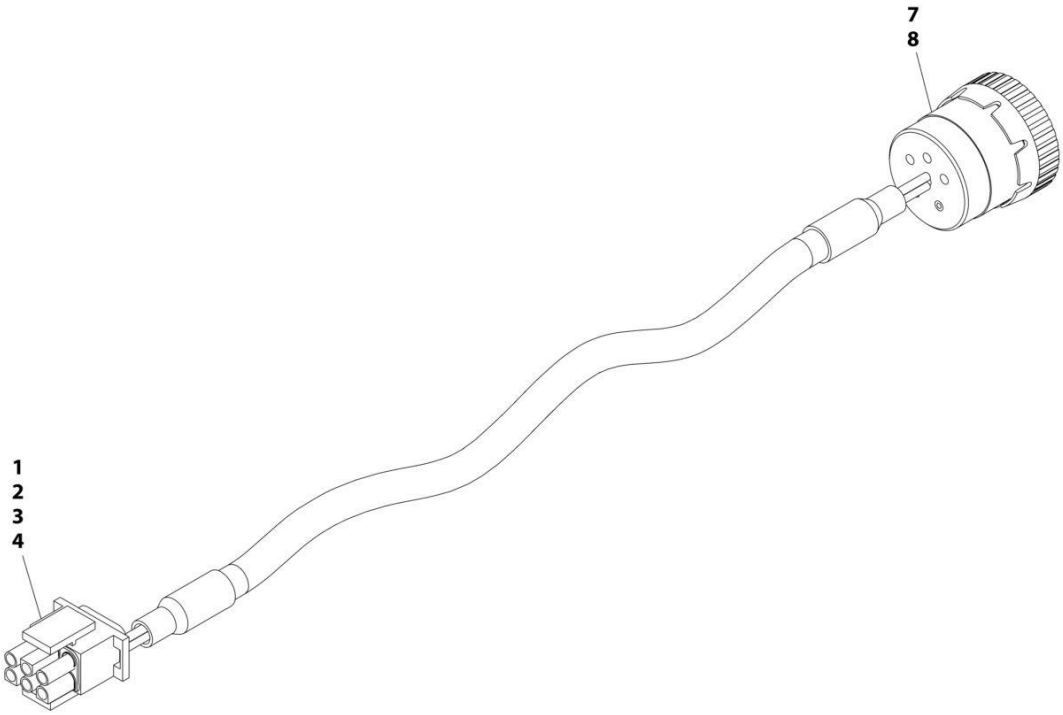


FIGURE 8-45. GENERATOR HARNESS - 4000W GENERATOR

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 8-46. GENERATOR HARNESS - 2500W GENERATOR (60HZ)

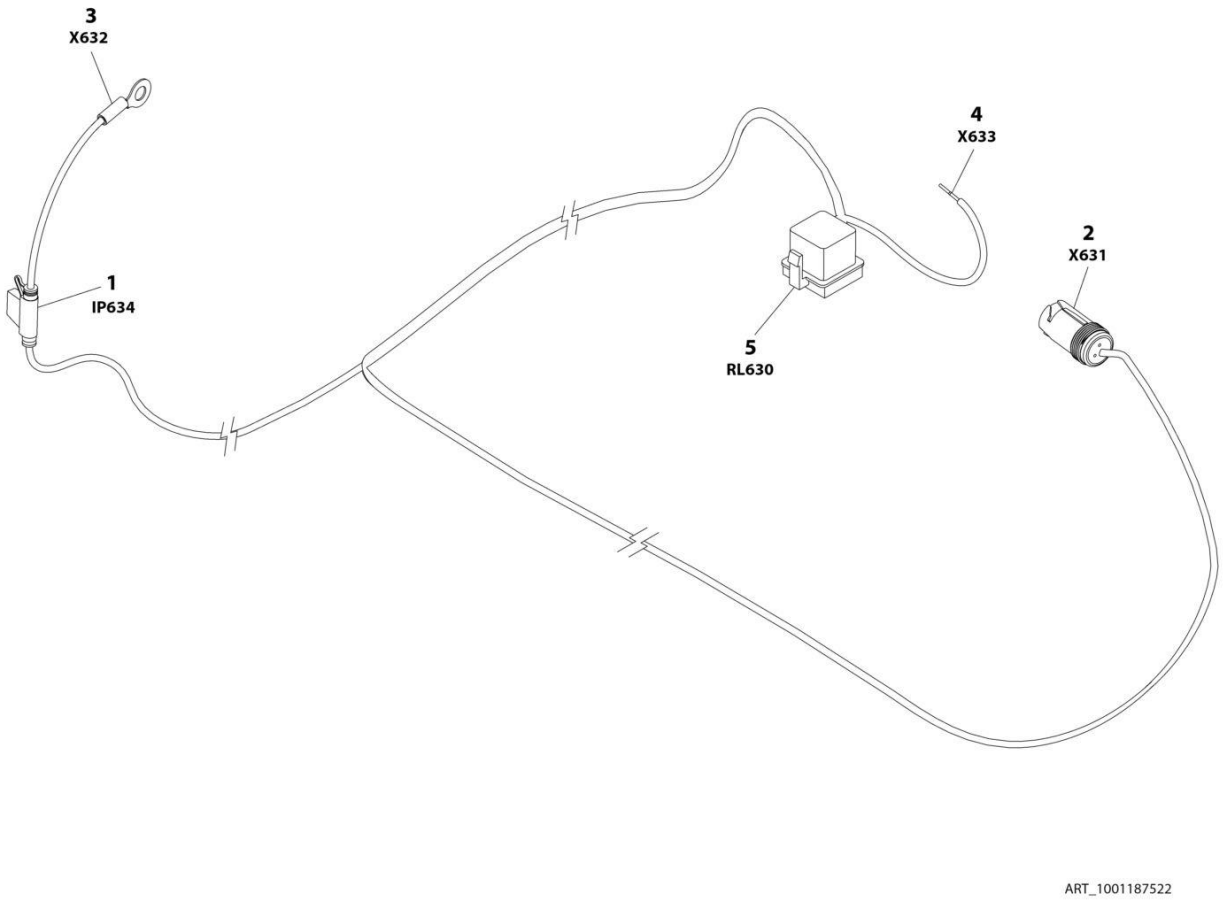


FIGURE 8-46. GENERATOR HARNESS - 2500W GENERATOR (60HZ)

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 8-47. INTERFACE HARNESS - WITH 1 CELL LSS

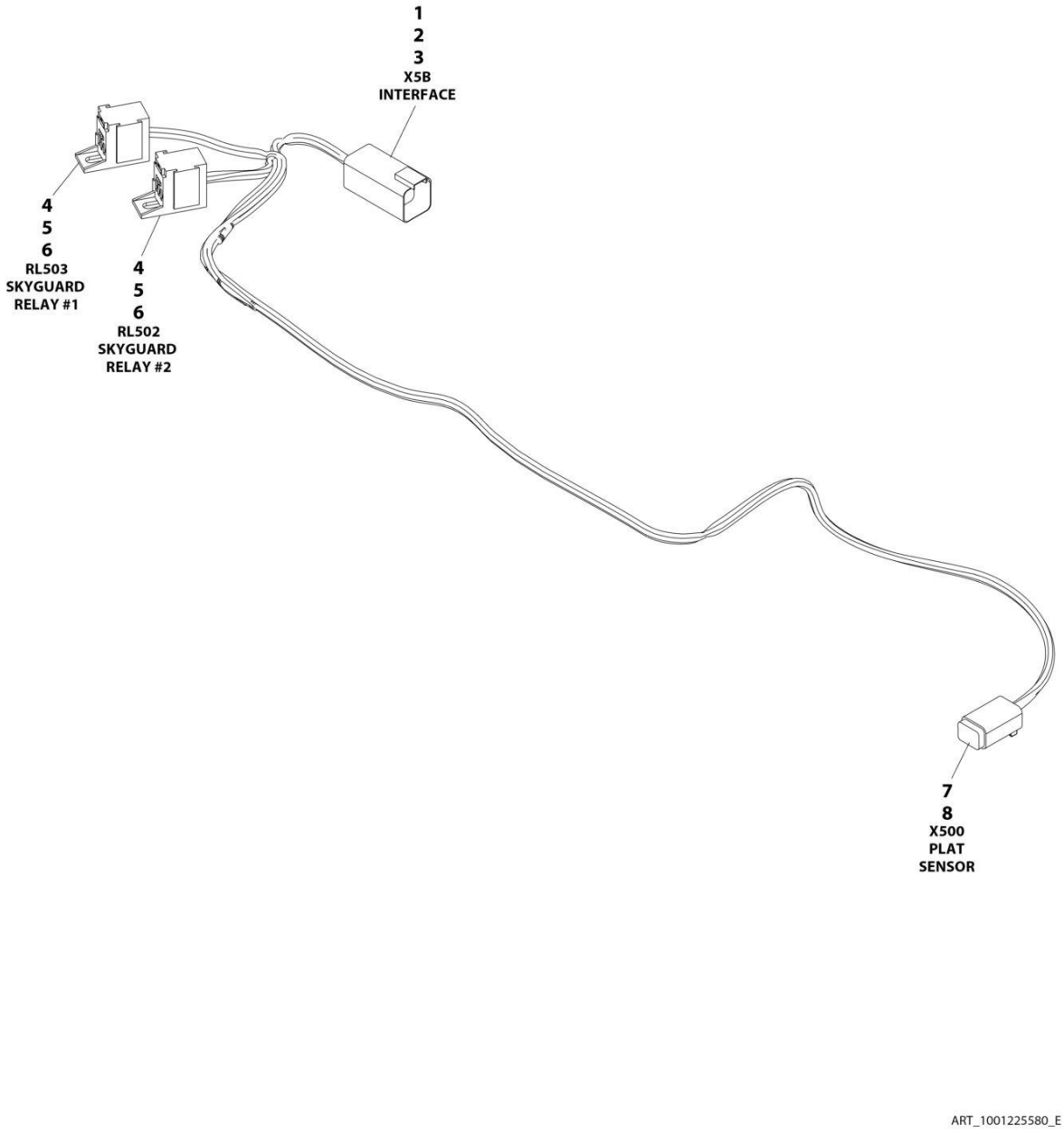


FIGURE 8-47. INTERFACE HARNESS - WITH 1 CELL LSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225580	Ref	PLATFORM INTERFACE HARNESS - WITH 1 CELL LSS	E
1	4460899	1	Connector	
2	4460464	4	Terminal	
3	4460466	2	Plug	
4	1001186432	2	Connector	
5	1001253375	4	Terminal	
6	1001104519	4	Terminal	
7	4460884	1	Connector	
8	4460465	4	Terminal	

FIGURE 8-48. LEFT DRIVE HARNESS

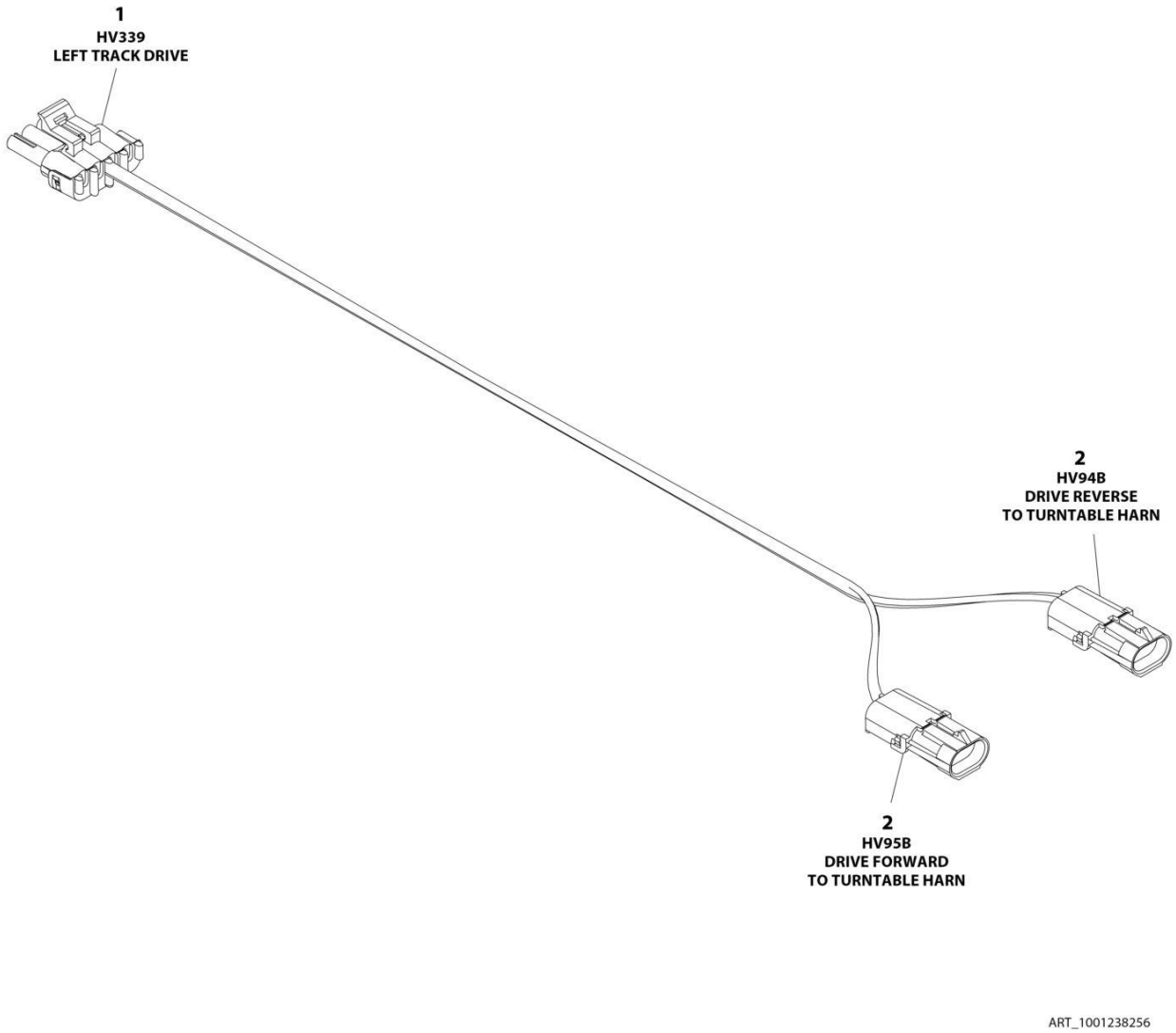


FIGURE 8-48. LEFT DRIVE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238256	Ref	LEFT DRIVE HARNESS	B
1	4460460	1	Terminal, Female (HV339 – Left Track Drive)	
1	4460475	4	Pin, Male	
1	4460458	4	Seal, Terminal	
2	4461157	2	Connector - 2 Position (HV94B)	
2	4460979	4	Pin, Male	
2	4460458	4	Seal, Terminal	

FIGURE 8-49. PLATFORM CONSOLE BOX HARNESS

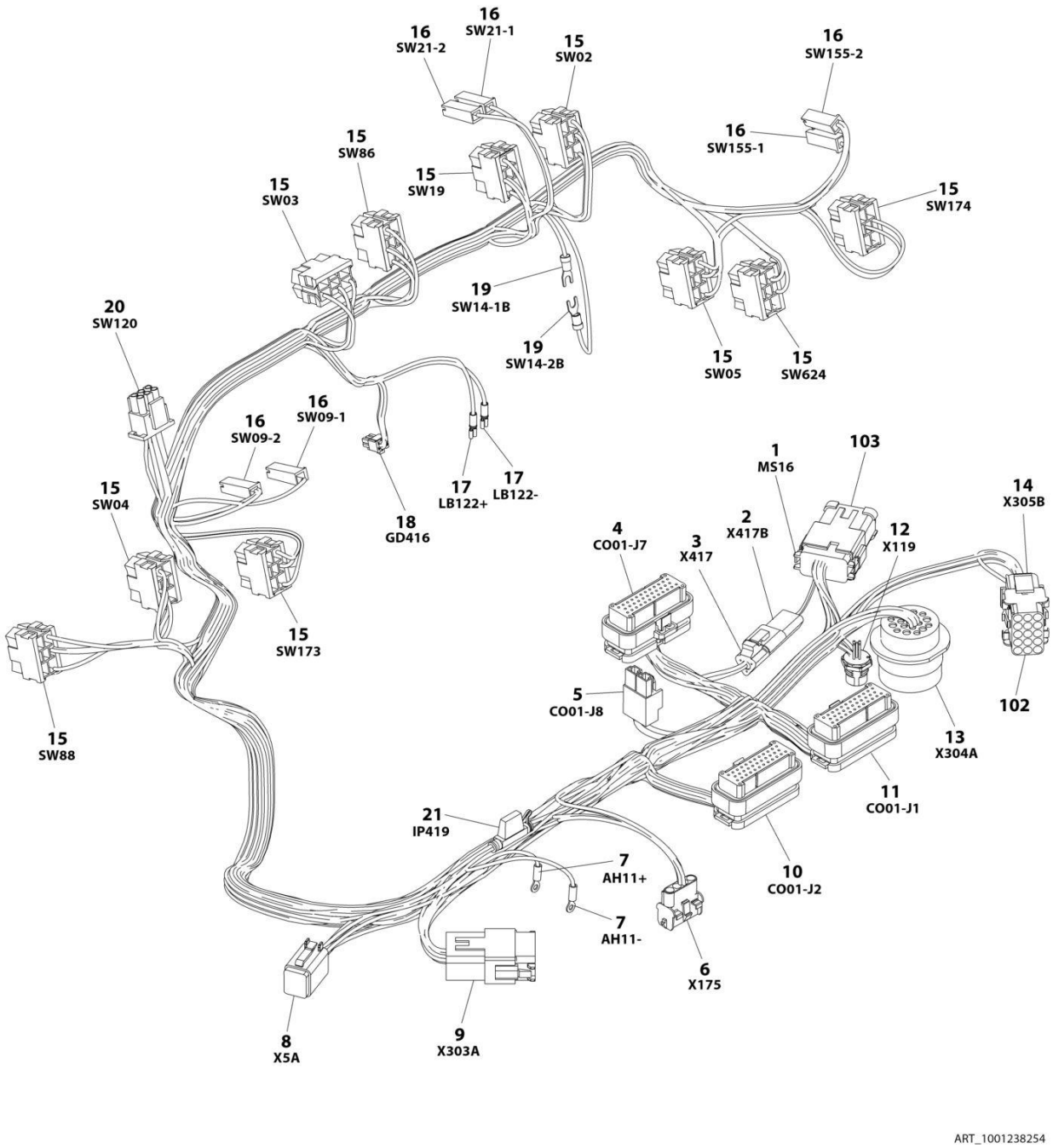


FIGURE 8-49. PLATFORM CONSOLE BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238254	Ref	PLATFORM CONSOLE BOX HARNESS	I
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	11	Pin, Male	
9	4460466	1	Plug, Terminal	
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	
103	1001125677	1	Connector, Bussbar - 12 Posititon	

FIGURE 8-50. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)

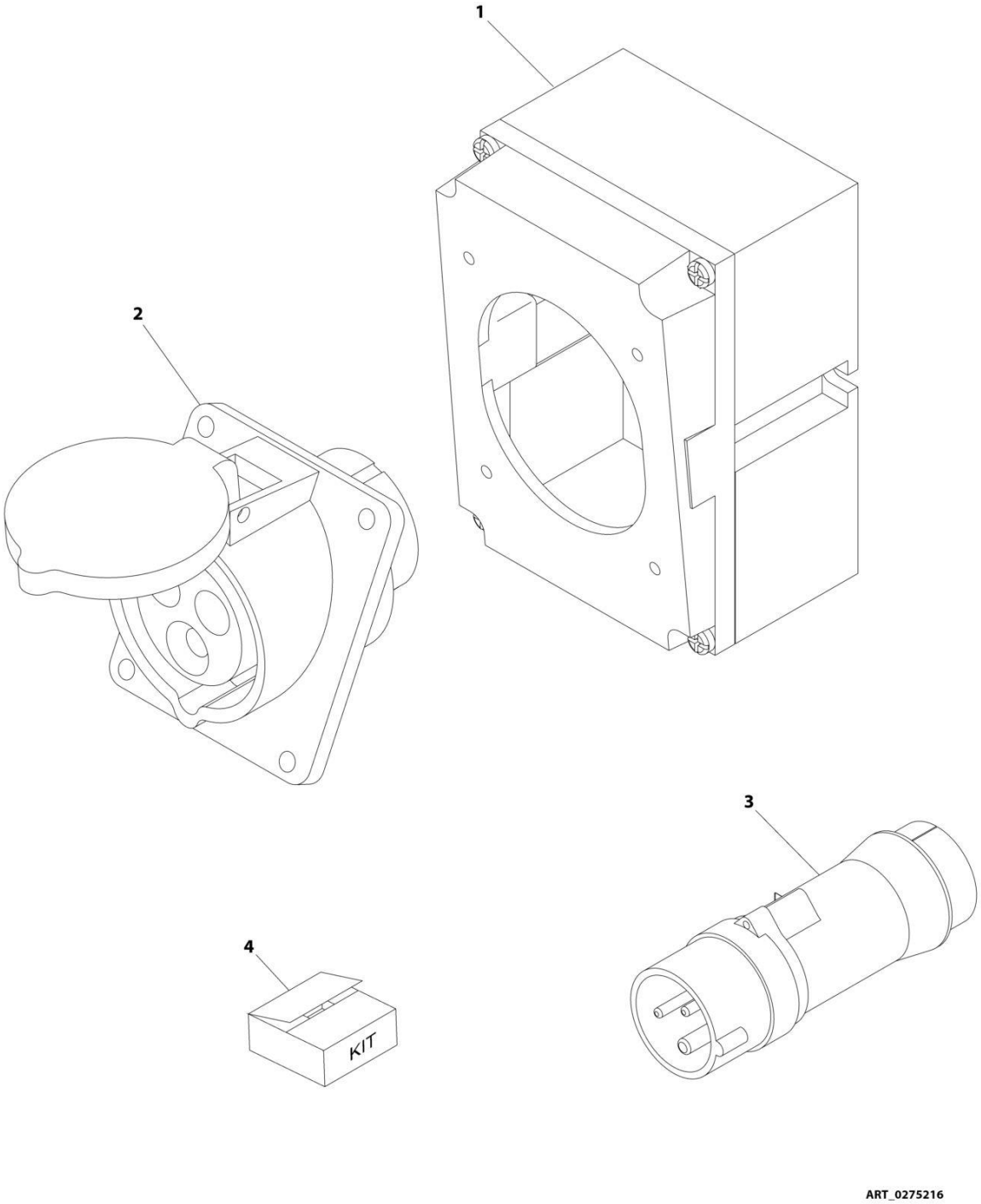


FIGURE 8-50. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)

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 8-51. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)

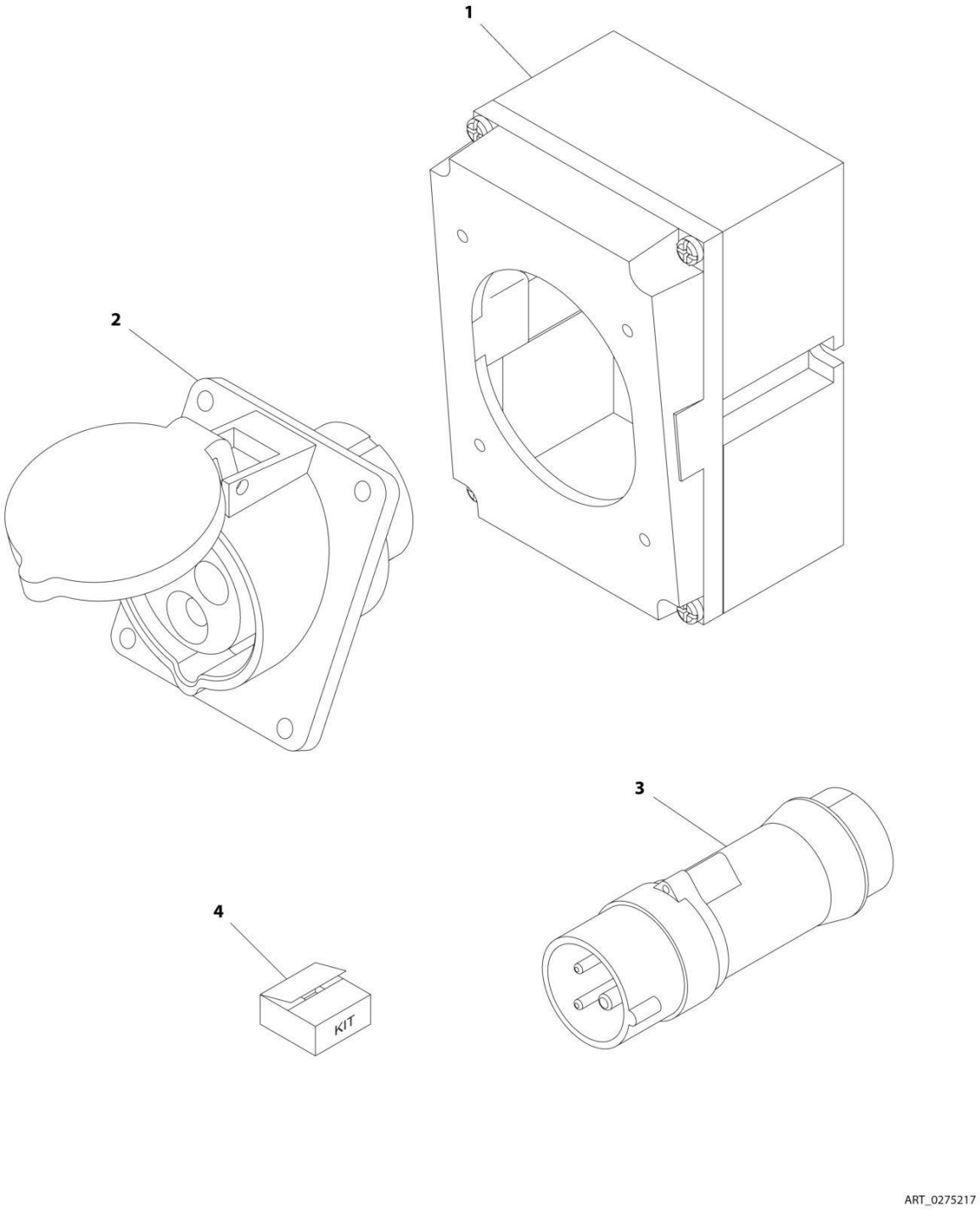


FIGURE 8-51. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)

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 8-52. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN (CE & UK CA SPEC)

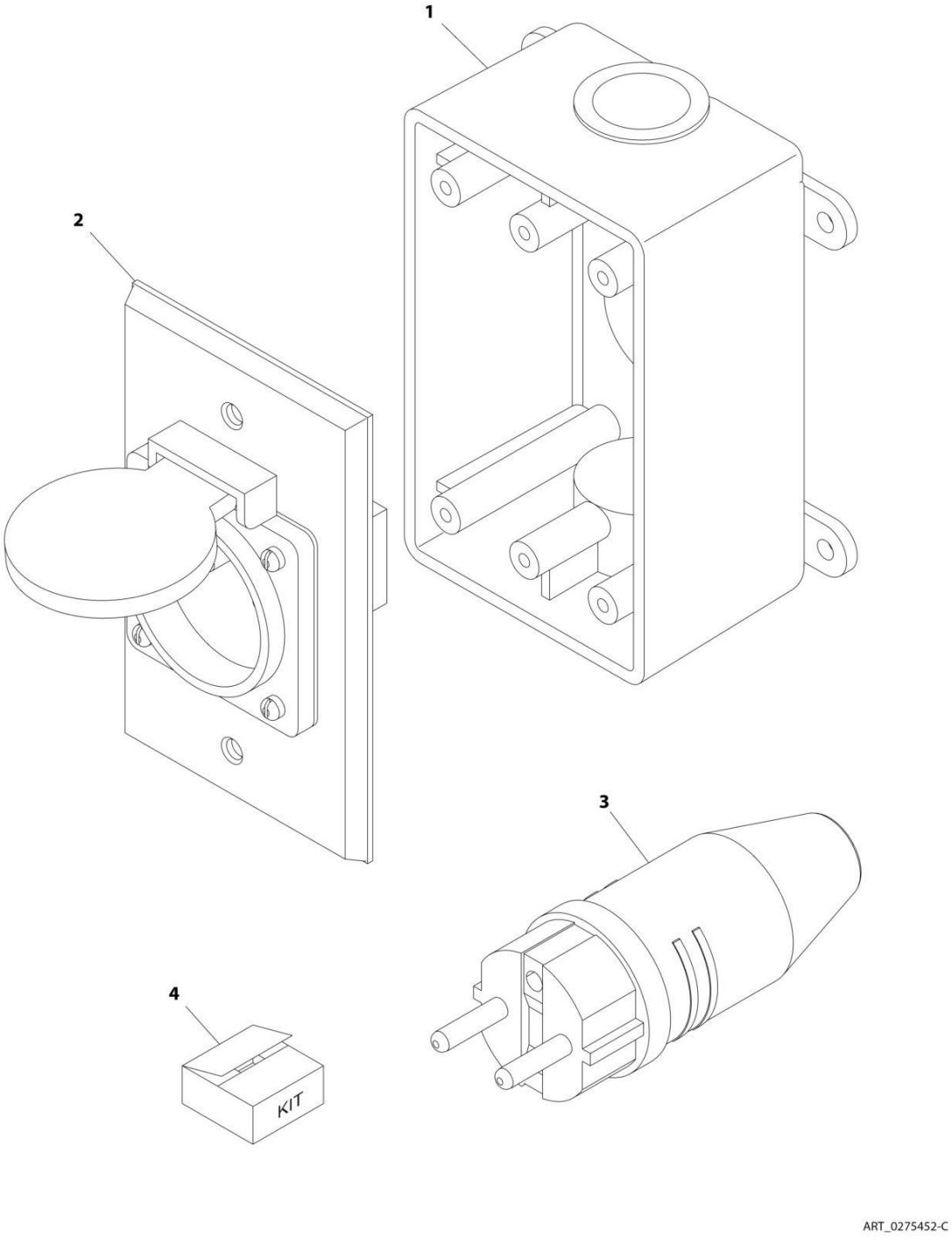


FIGURE 8-52. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN (CE & UK CA SPEC)

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 8-53. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN (CE & UK CA SPEC)

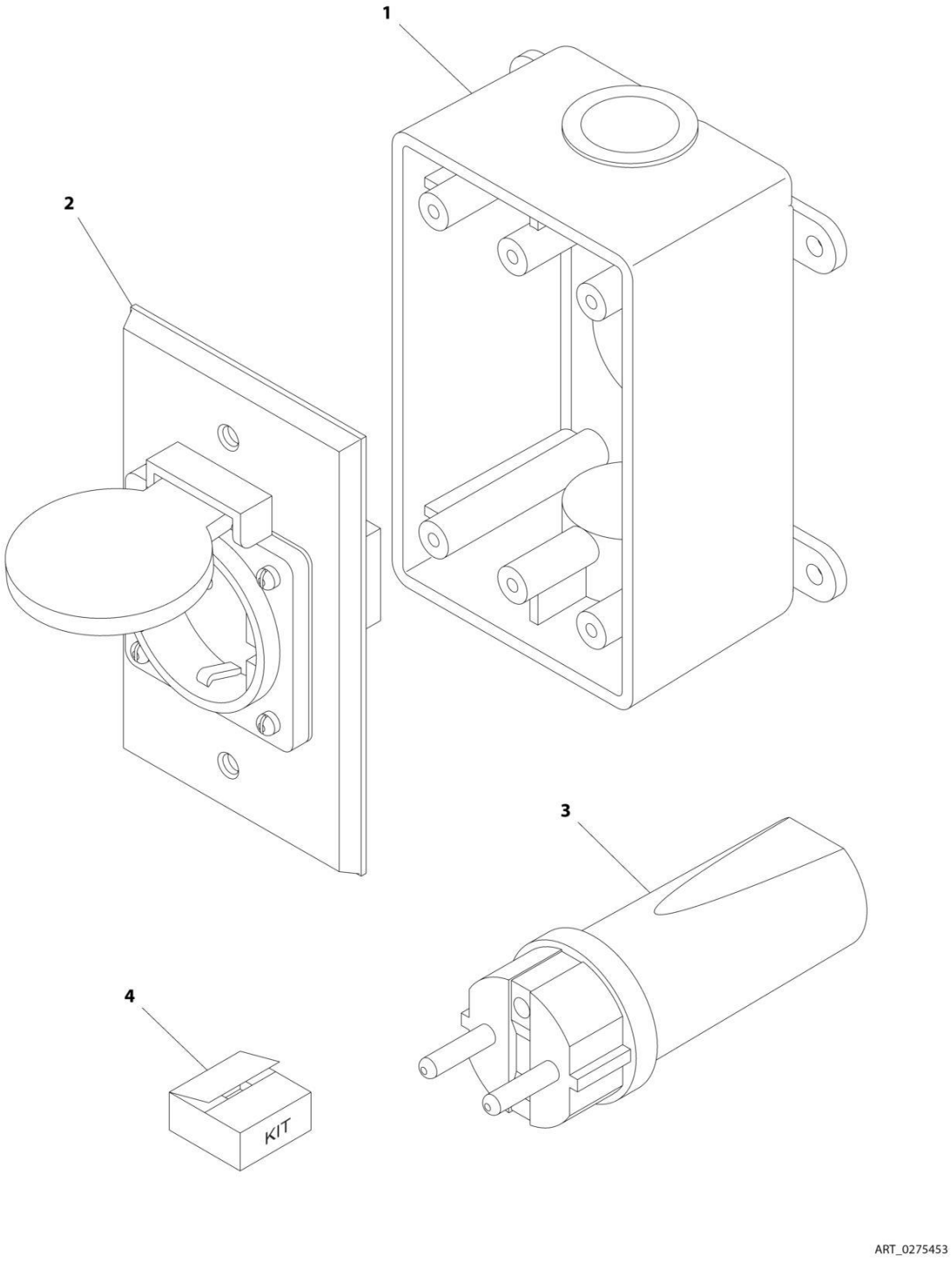


FIGURE 8-53. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN (CE & UK CA SPEC)

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 8-54. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)

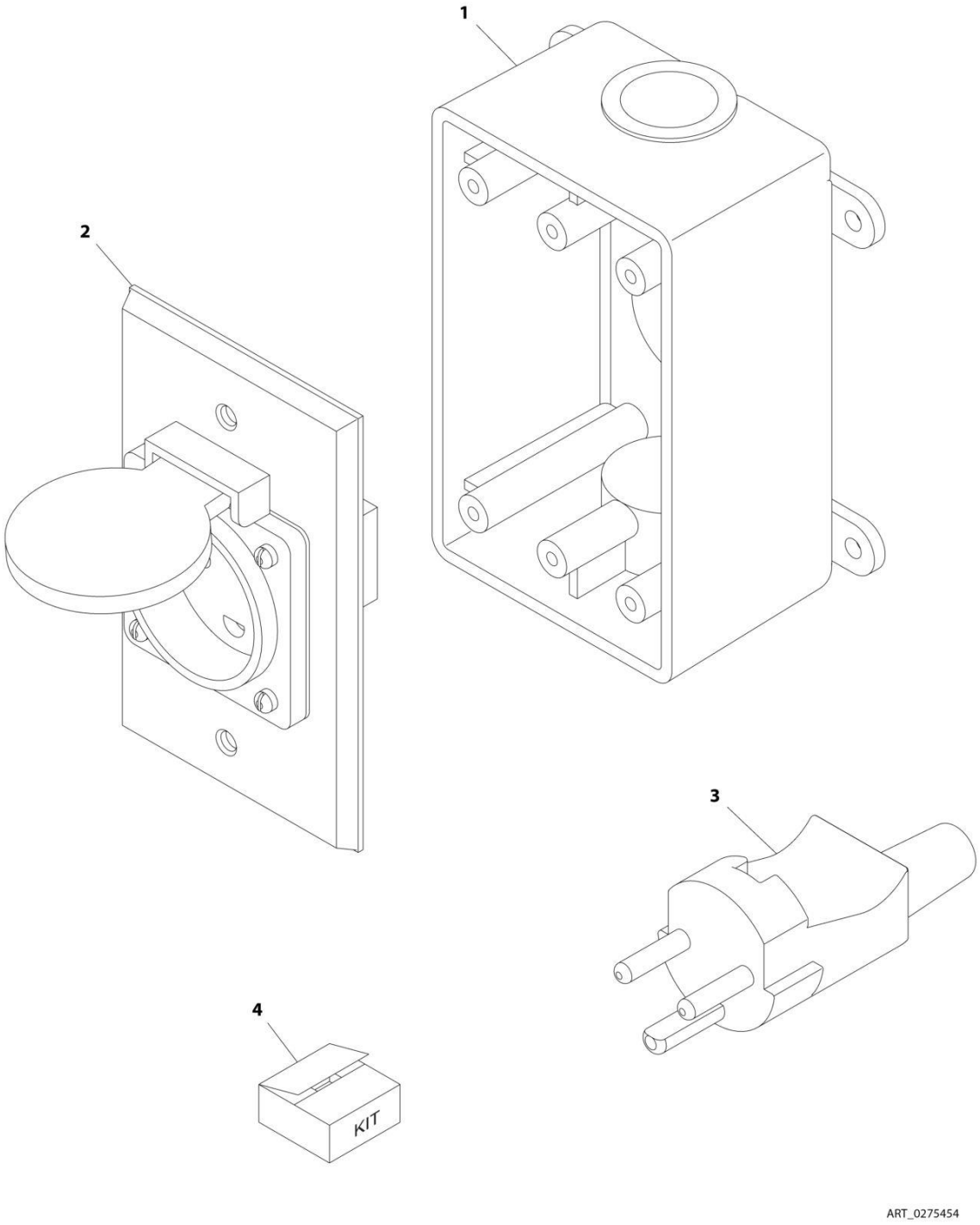
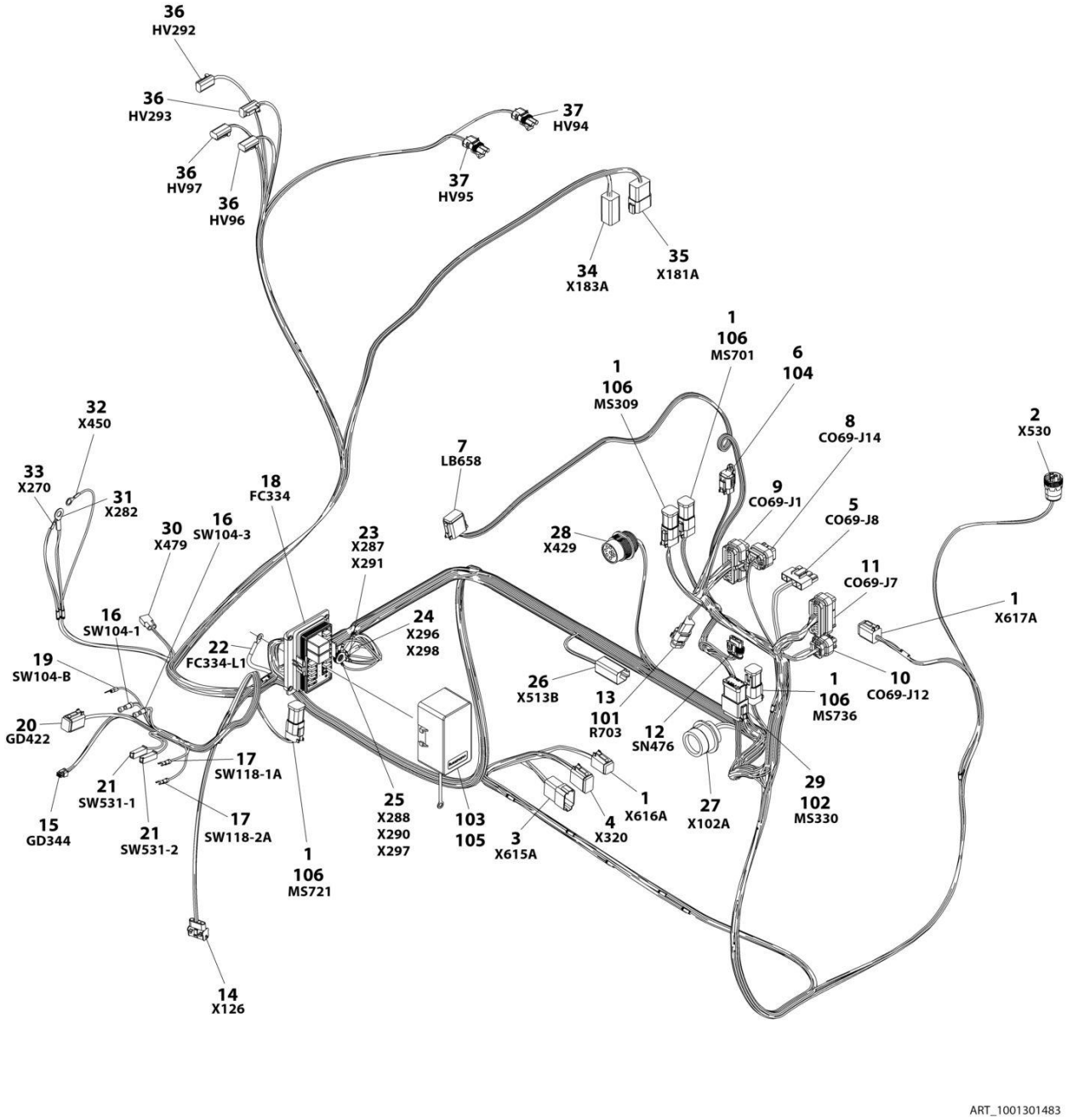


FIGURE 8-54. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)

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 8-55. TURNTABLE HARNESS



ART_1001301483

FIGURE 8-55. TURNTABLE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301483	Ref	TURNTABLE HARNESS	A
1	4460894	6	Connector	
1	4460465	36	Socket	
2	4460967	1	Connector	
2	4460465	3	Socket	
3	4460931	1	Connector	
3	4460464	6	Socket	
3	4460466	2	Plug	
4	4460930	1	Connector	
4	4460465	6	Socket	
4	4460466	2	Plug	
5	4460878	1	Connector	
5	4460887	2	Socket	
6	4460884	1	Connector	
6	4460465	4	Socket	
7	4460930	1	Connector	
7	4460465	8	Socket	
8	1001246859	1	Connector	
8	4460871	4	Socket	
8	4460905	10	Plug	
9	4460874	1	Connector	
9	4460871	22	Socket	
9	4460905	13	Plug	
10	1001113961	1	Connector	
10	4460871	5	Socket	
10	4460905	3	Plug	
11	4460873	1	Connector	
11	4460871	25	Socket	
11	4460905	10	Plug	
12	1001103012	1	Connector	
12	1001107854	2	Socket	
12	1001196589	2	Socket	
12	1001104498	4	Seal	
13	1001144147	1	Connector	
13	4460943	2	Pin	
13	4460466	1	Plug	
14	1001119032	1	Connector	
14	1001118378	4	Socket	
15	1001237667	1	Connector	
15	1001237668	5	Socket	
16	4460042	2	Terminal, Ring	
17	4460183	2	Terminal, Ring	
18	1001196602	1	Fuse Box Assembly	
18	8229242	7	Fuse 5Amp	
18	8229244	2	Fuse 15AMP	
18	1001095704	2	Relay	
18	1001196634	2	Fuse - 2 Amp	
18	1001196636	2	Connector with Diode	
19	4460313	1	Terminal, Ring	
20	4460894	1	Connector	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
20	4460465	4	Socket	
20	4460466	2	Plug	
21	4460260	2	Connector	
21	4460259	2	Socket	
22	1001117106	1	Terminal, Ring (12AWG)	
23	1001187078	2	Terminal, Ring (18AWG)	
24	1001117110	2	Terminal, Ring (12AWG)	
25	1001187077	3	Terminal, Ring (18AWG)	
26	4460899	1	Connector	
26	4460464	3	Pin	
26	4460466	3	Plug	
27	4460866	1	Connector	
27	4460464	6	Pin (18AWG)	
27	4460508	2	Pin (12AWG)	
27	4460466	11	Plug	
28	1001112612	1	Connector	
28	4460464	5	Pin	
28	4460466	9	Plug	
29	4460933	1	Connector	
29	4460465	8	Socket	
29	4460466	4	Plug	
30	4460424	1	Connector	
30	4460226	2	Socket	
31	8220045	1	Terminal, Ring	
32	4460702	1	Terminal, Ring	
33	4460703	1	Terminal, Ring	
34	4460899	1	Connector	
34	4460464	5	Pin	
34	4460466	6	Plug	
35	4460931	1	Connector	
35	4460464	5	Pin	
35	4460466	3	Plug	
36	4460891	4	Connector	
36	4460465	8	Socket	
37	4460742	2	Connector	
37	4460458	4	Socket	
101	1001116815	1	Connector - 3 Position	
102	1001125677	1	Bussbar - 12 Position	
103	1001190921	1	Seal, Cover	
104	1001192401	1	Cap, Dust	
105	1001196604	1	Cover, Fuse Box	
106	1001226541	1	Bussbar - 6 Position	

FIGURE 8-56. VALVE HARNESS - MAIN VALVE

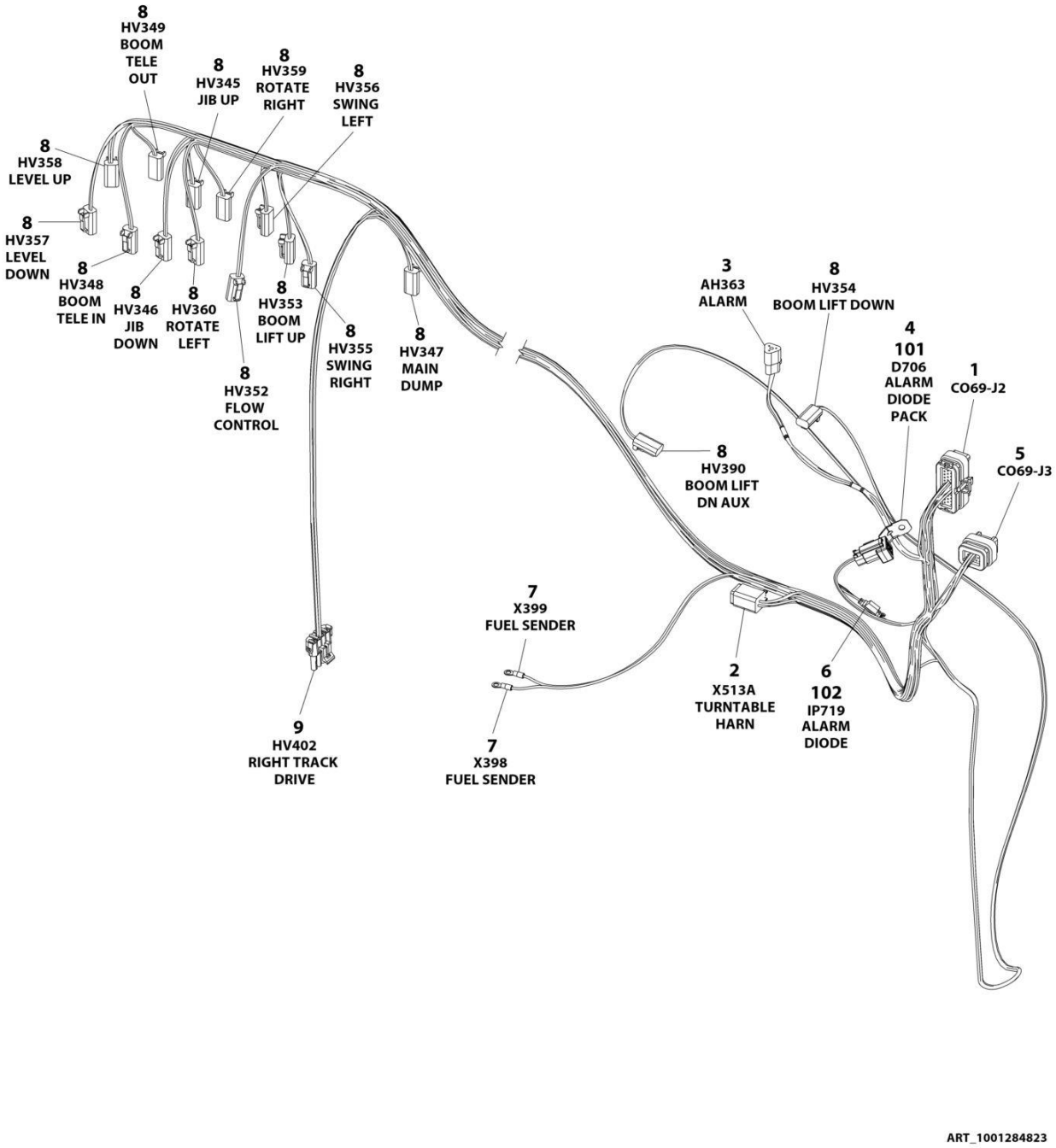


FIGURE 8-56. VALVE HARNESS - MAIN VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284823	Ref	VALVE HARNESS	A
1	4460875	1	Connector	
1	4460871	26	Socket	
1	4460905	9	Plug	
2	4460894	1	Connector	
2	4460465	6	Socket	
3	4460539	1	Connector	
3	4460465	3	Socket	
4	4460884	1	Connector	
4	4460465	4	Socket	
5	4460872	1	Connector	
5	4460871	9	Socket	
5	4460905	5	Plug	
6	1001170764	1	Fuseholder	
7	4460313	2	Terminal, Ring	
8	4460891	15	Connector	
8	4460465	30	Socket	
9	4460460	1	Connector	
9	4460458	4	Seal	
9	4460743	4	Socket	
101	1001152266	1	Connector, Diode	
102	1001196636	1	Diode, 1Amp	

FIGURE 8-57. SKYLINE HARNESS

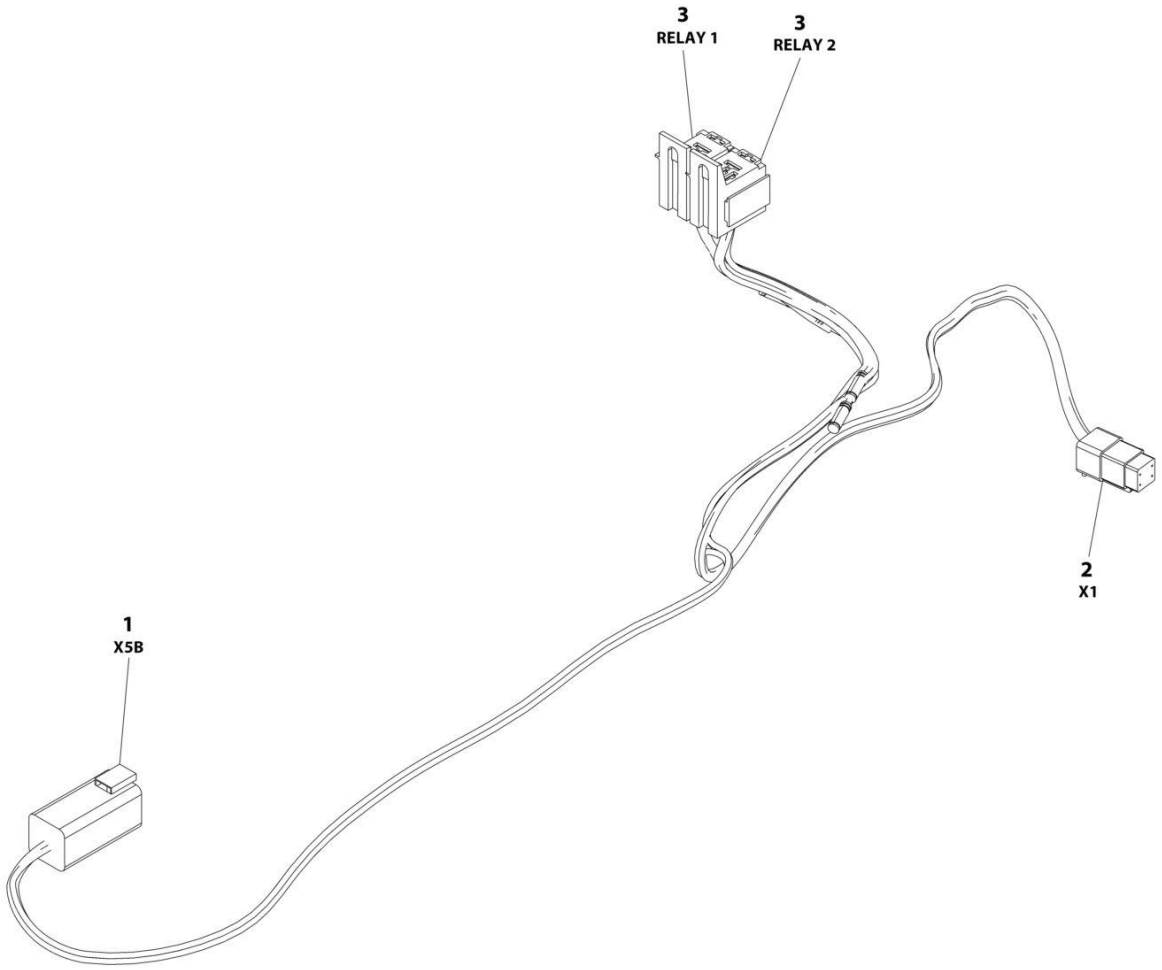
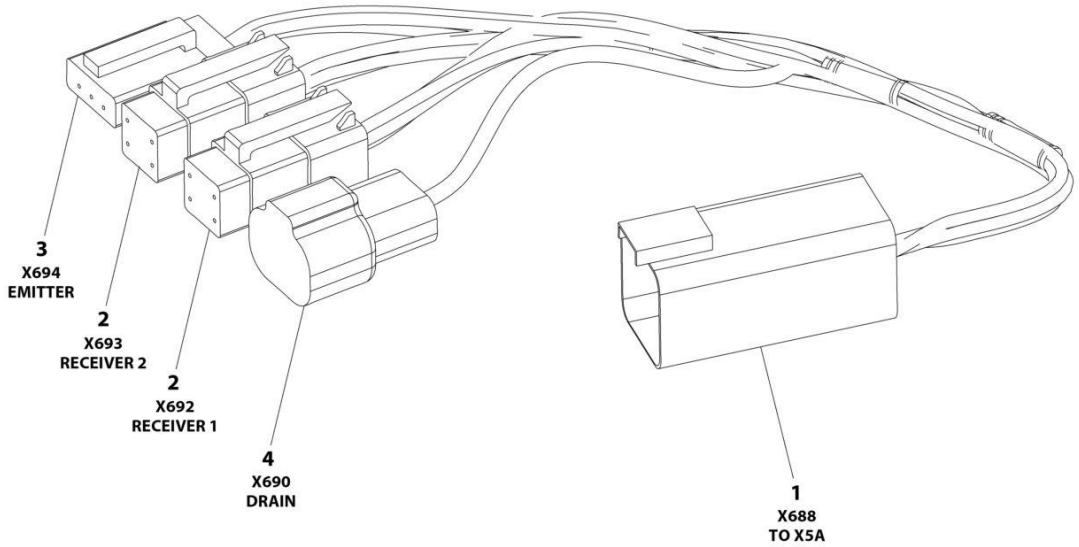


FIGURE 8-57. SKYLINE HARNESS

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 8-58. 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

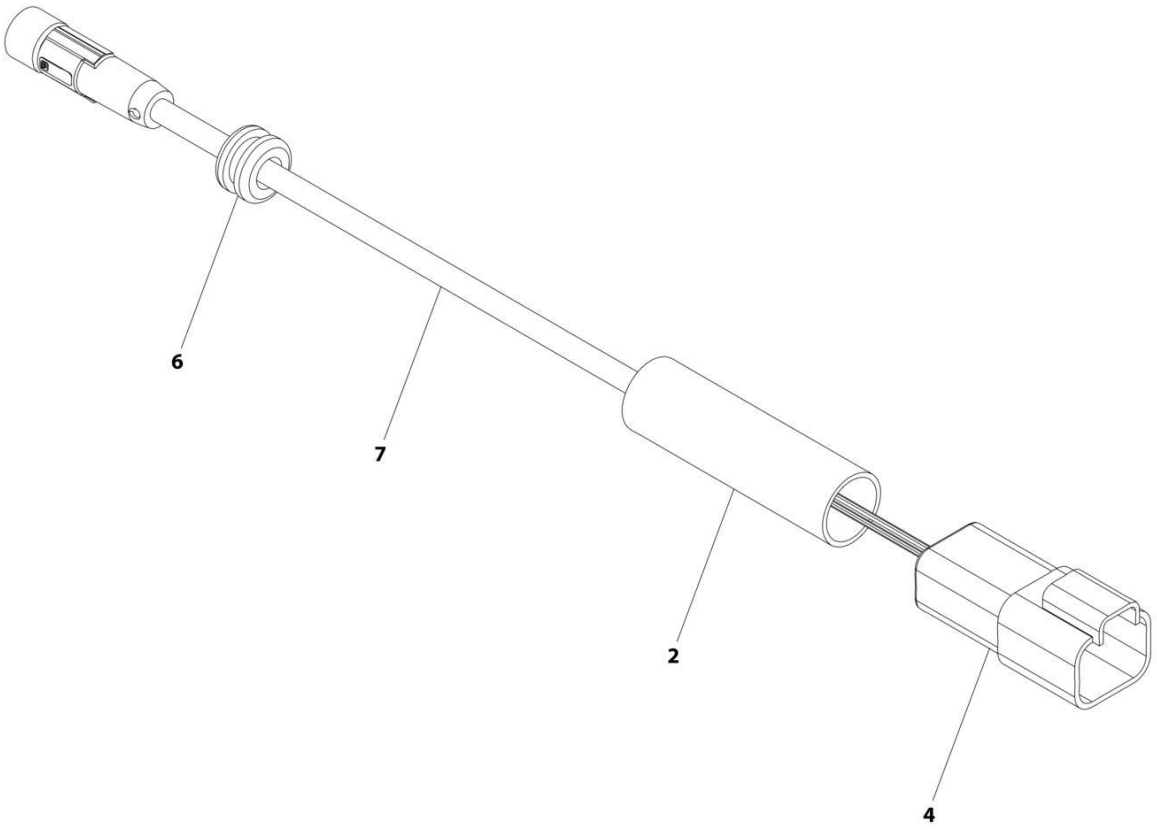


FIGURE 8-59. SKYEYE RECEIVER HARNESS

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. SKYEYE EMITTER HARNESS

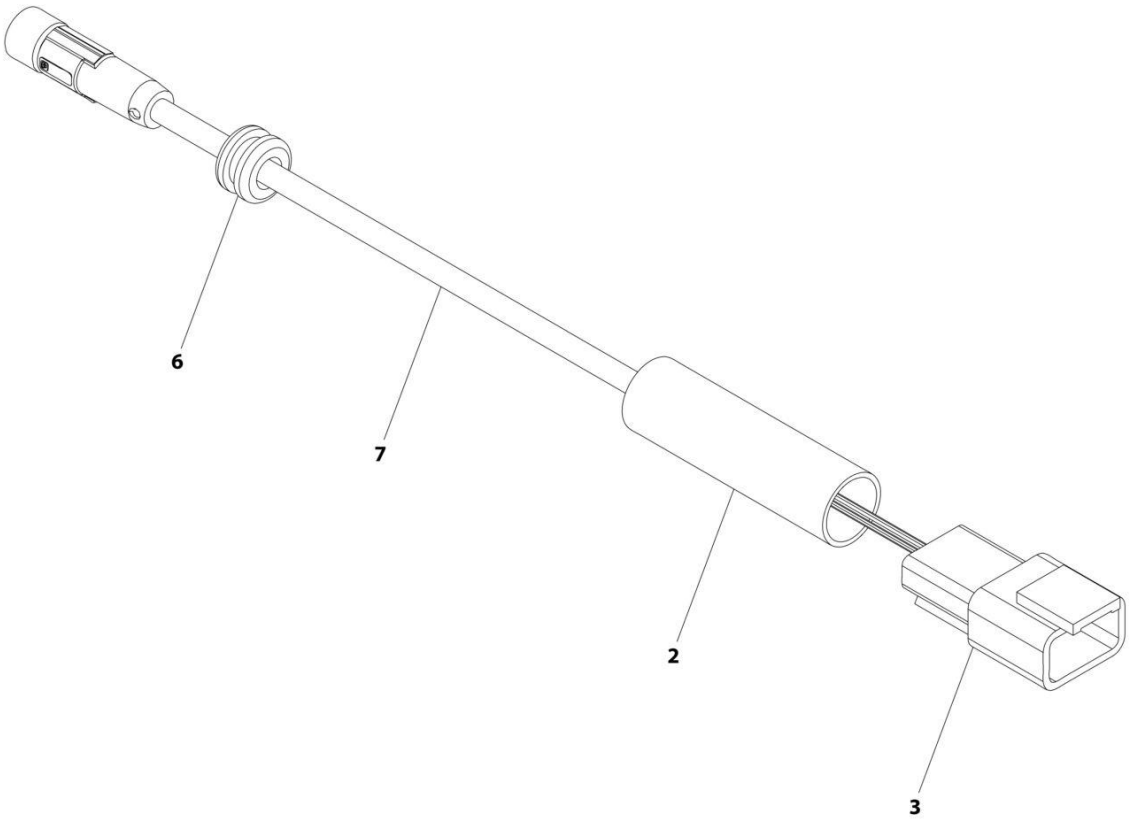


FIGURE 8-60. SKYEYE EMITTER HARNESS

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	

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FIGURE 9-1. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (400SC)

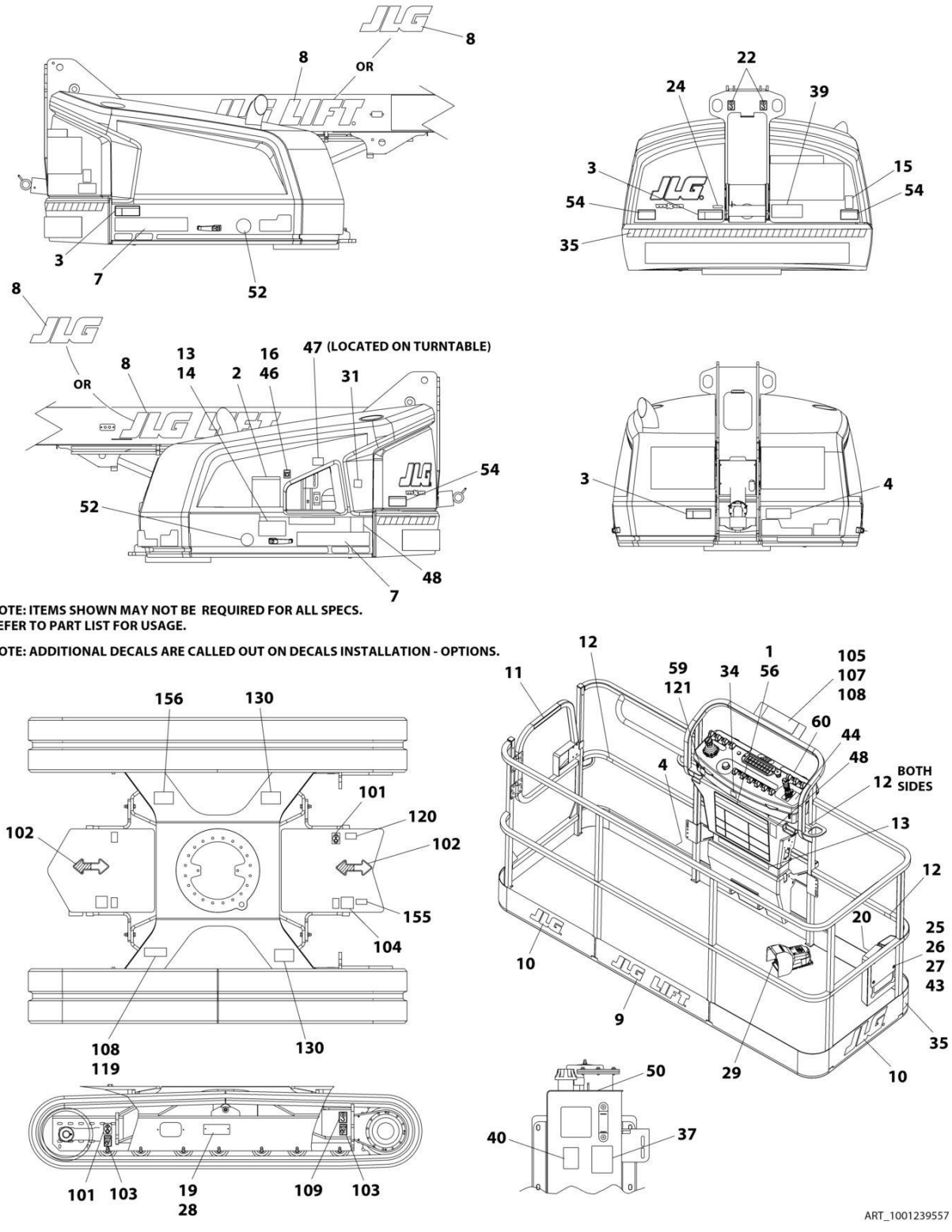

FIGURE 9-1. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239557	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239558	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703797	1	Decal - Danger/Warning (Platform)	
2	1703798	1	Decal - Danger/Warning (MTB)	
3	1703805	3	Decal - Electrocution	
4	1703804	3	Decal - Warning Crushing	
11	1702868	2	Decal - Caution No Hands	
12	1704277	3	Decal - Attach Lanyard	
13	1001254665	1	Decal - Capacity (Platform)	
14	1001254666	1	Decal - Capacity (Ground Control)	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
24	3251243	1	Decal - Nameplate	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	3252347	1	Decal - Nameplate, Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703953	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227662	Ref	DECAL INSTALLATION - FRAME	C
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1704468	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
120	1001223453	1	Decal - ICES	
156	1001223055	1	Decal - Yearly Inspection	

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FIGURE 9-2. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (460SJC)

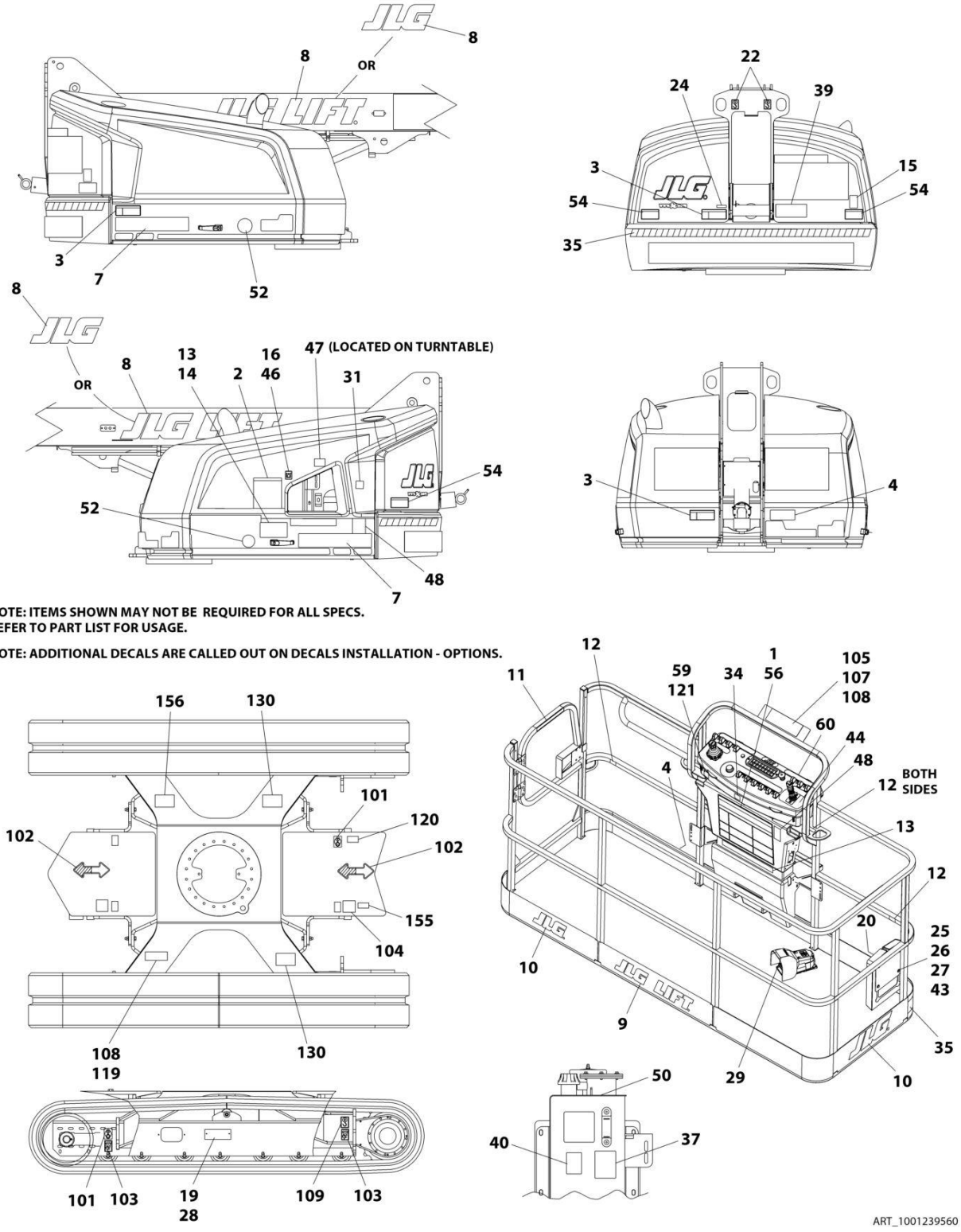

FIGURE 9-2. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239560	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239561	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703797	1	Decal - Danger/Warning (Platform)	
2	1703798	1	Decal - Danger/Warning (MTB)	
3	1703805	3	Decal - Electrocution	
4	1703804	3	Decal - Warning Crushing	
11	1702868	2	Decal - Caution No Hands	
12	1704277	3	Decal - Attach Lanyard	
13	1001254750	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
24	3251243	1	Decal - Nameplate	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	3252347	1	Decal - Nameplate, Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703953	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227662	Ref	DECAL INSTALLATION - FRAME	C
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1704468	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
120	1001223453	1	Decal - ICES	
156	1001223055	1	Decal - Yearly Inspection	

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FIGURE 9-3. DECAL INSTALLATION - CE & UK CA SPEC (400SC)

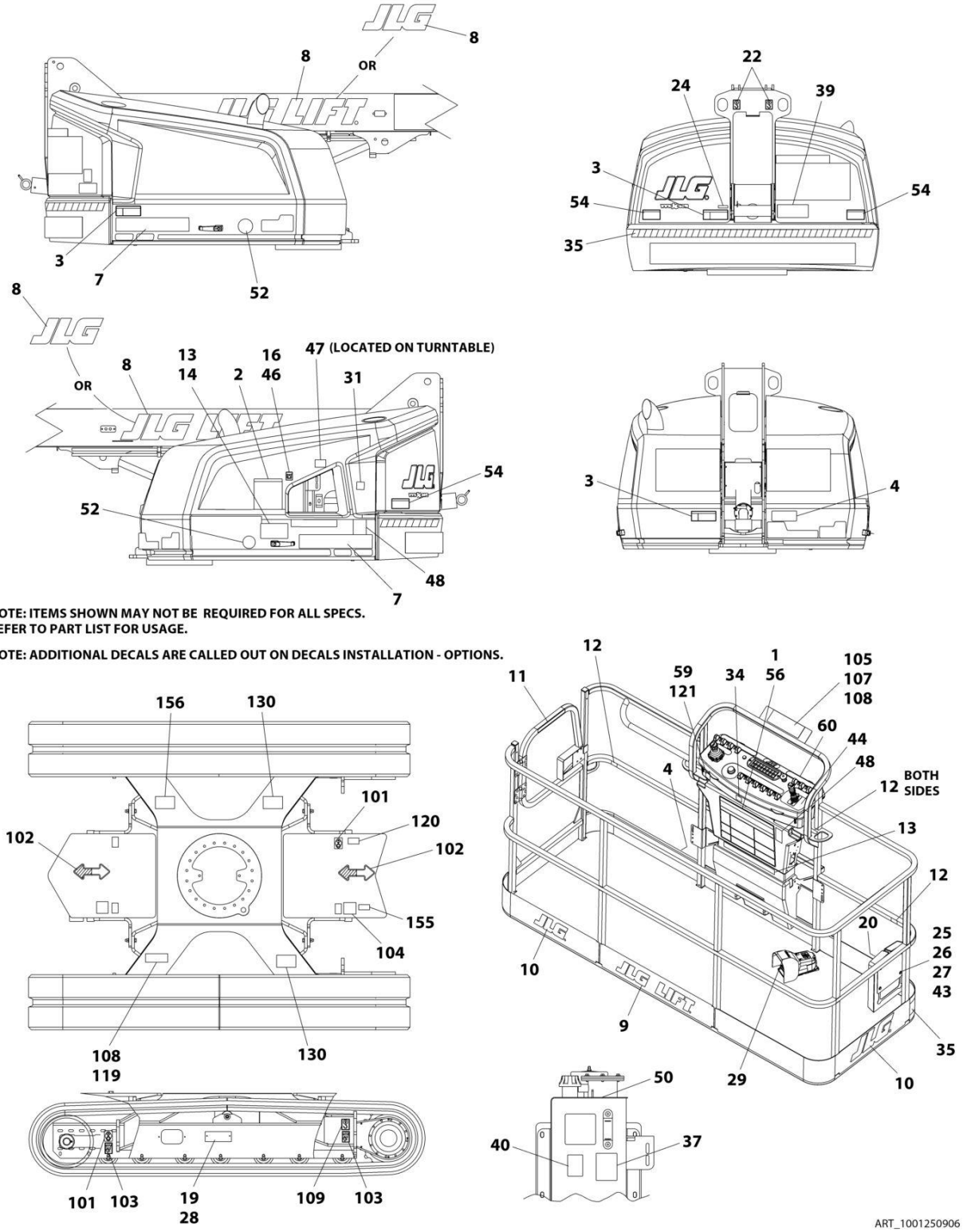

FIGURE 9-3. DECAL INSTALLATION - CE & UK CA SPEC (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250906	Ref	DECAL INSTALLATION - REFERENCE CHART	A
	1001250765	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	C
	1001250835	Ref	DECAL INSTALLATION - TURNTABLE	E
1	1705921	1	Decal - Tipping/Electrocution (Platform)	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	3	Decal - Electrocution	
4	1701518	3	Decal - Warning Crushing	
8	1001159323	2	Decal - JLG	
10	1702773	3	Decal - JLG	
12	1704277	3	Decal - Attach Lanyard	
13	1001185237	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
29	1705828	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
46	1001197408	1	Decal - MSSO, Engine Units	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001191076	Ref	DECAL INSTALLATION - FRAME	E
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001202228	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	

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FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPEC (460SJC)

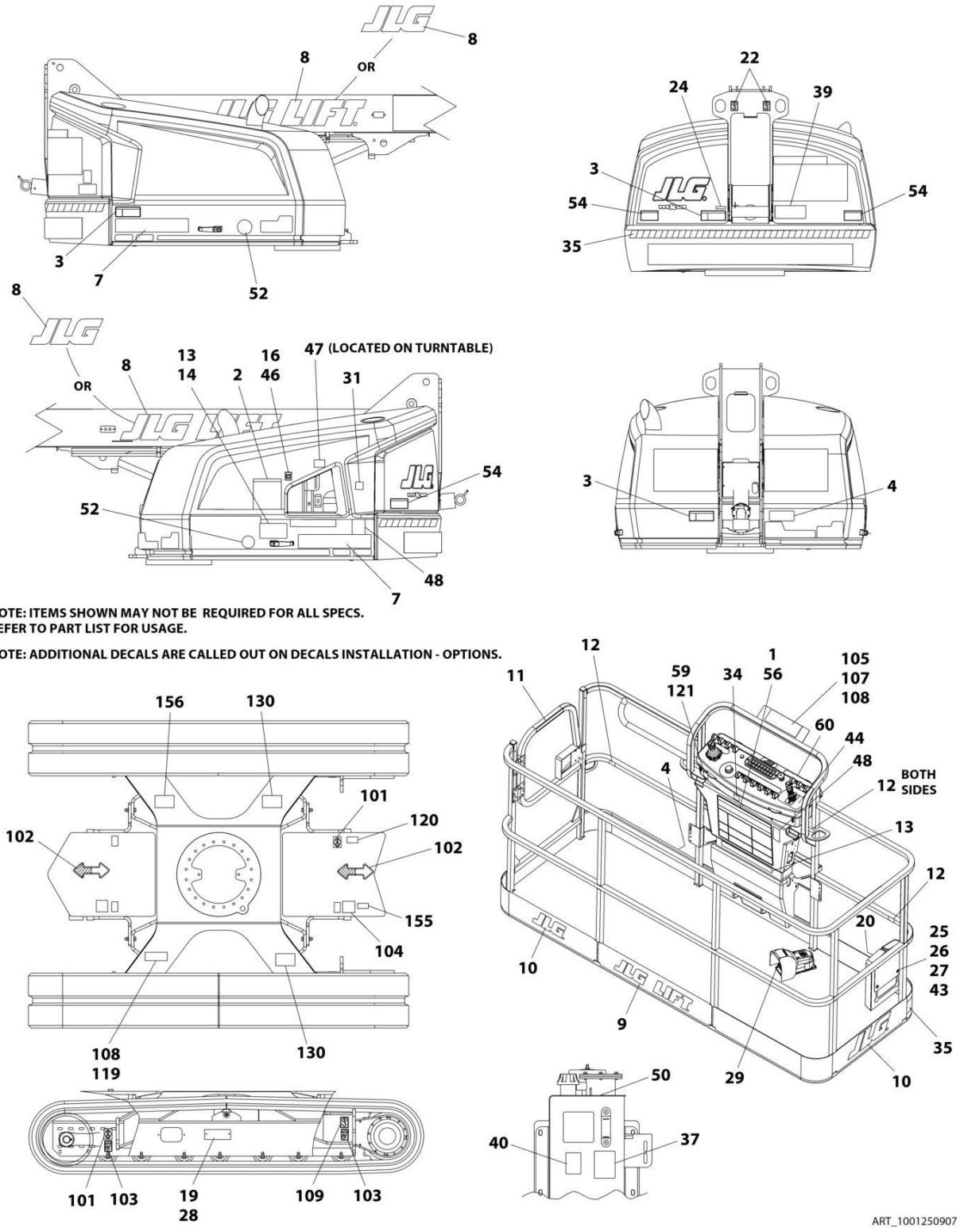

FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPEC (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250907	Ref	DECAL INSTALLATION - REFERENCE CHART	A
	1001250765	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	B
	1001250836	Ref	DECAL INSTALLATION - TURNTABLE	E
1	1705921	1	Decal - Tipping/Electrocution (Platform)	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	3	Decal - Electrocution	
4	1701518	3	Decal - Warning Crushing	
8	1001159323	2	Decal - JLG	
10	1702773	3	Decal - JLG	
12	1704277	3	Decal - Attach Lanyard	
13	1001171339	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
29	1705828	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
46	1001197408	1	Decal - MSSO, Engine Units	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001191076	Ref	DECAL INSTALLATION - FRAME	E
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001202228	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	

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FIGURE 9-5. DECAL INSTALLATION - CSA SPEC (400SC)

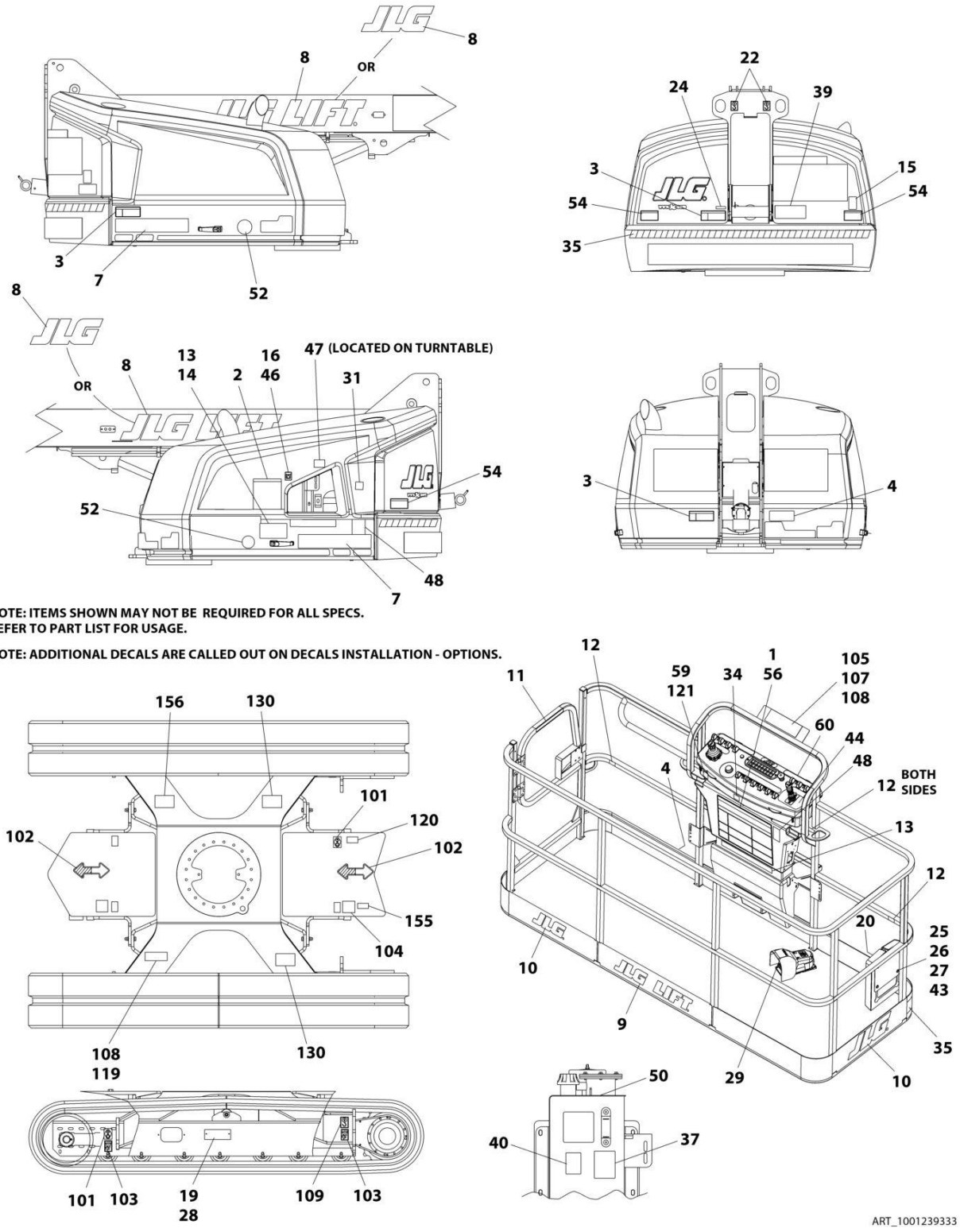

FIGURE 9-5. DECAL INSTALLATION - CSA SPEC (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239333	Ref	DECAL INSTALLATION - REFERENCE CHART	B
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239335	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703924	1	Decal - Danger/Warning (Platform)	
2	1703930	1	Decal - Danger/Warning (MTB)	
3	1703936	3	Decal - Electrocution	
4	1703948	3	Decal - Warning Crushing	
11	1704000	2	Decal - Caution No Hands	
12	1704277	3	Decal - Attach Lanyard	
13	1001254667	1	Decal - Capacity (Platform)	
14	1001254668	1	Decal - Capacity (Ground Control)	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
24	3251243	1	Decal - Nameplate	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	1703984	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703942	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227695	Ref	DECAL INSTALLATION - FRAME	C
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001093684	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
120	1001223453	1	Decal - ICES	
156	1001223971	1	Decal - Yearly Inspection	

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FIGURE 9-6. DECAL INSTALLATION - CSA SPEC (460SJC)

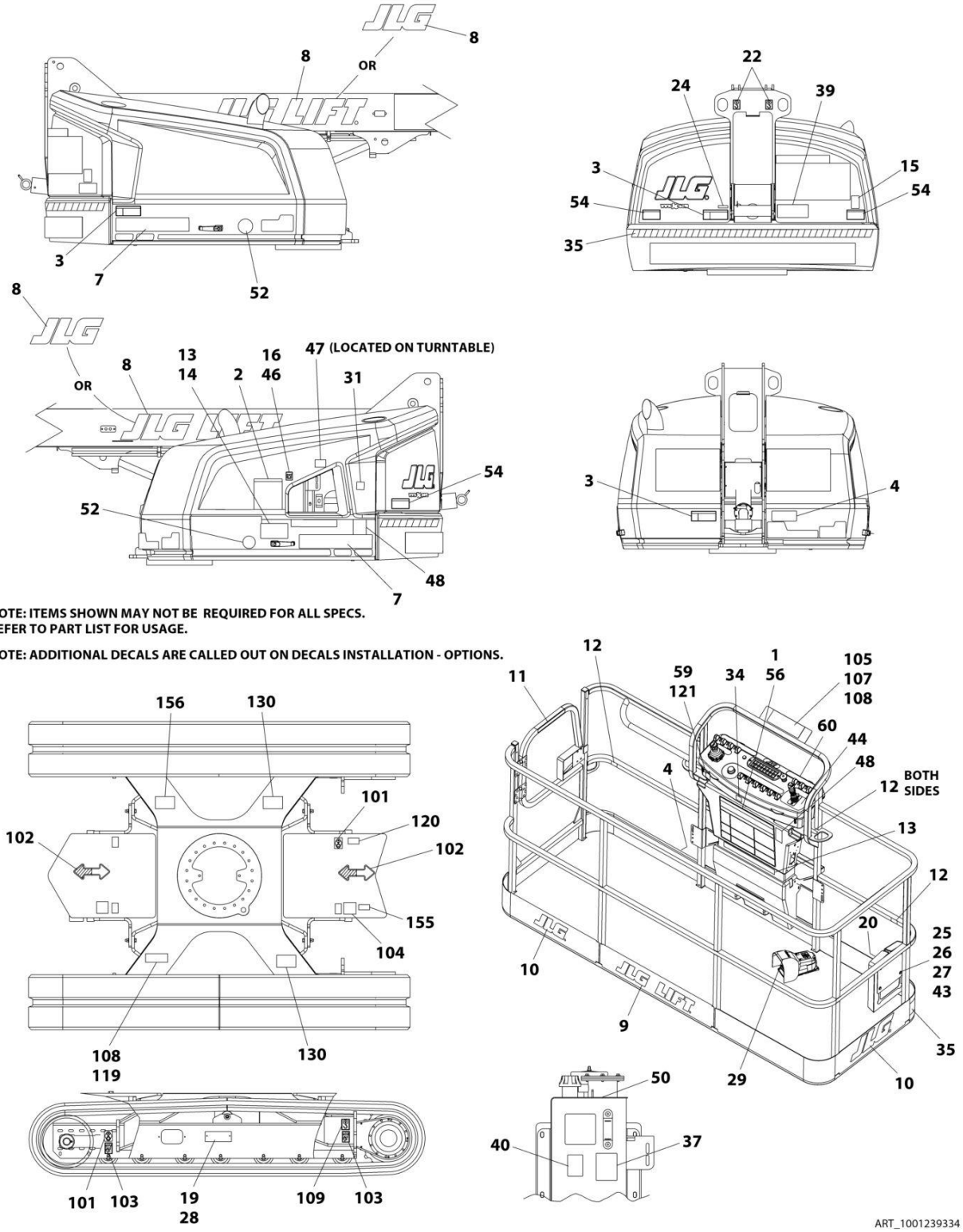

FIGURE 9-6. DECAL INSTALLATION - CSA SPEC (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239334	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239336	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703924	1	Decal - Danger/Warning (Platform)	
2	1703930	1	Decal - Danger/Warning (MTB)	
3	1703936	3	Decal - Electrocution	
4	1703948	3	Decal - Warning Crushing	
11	1704000	2	Decal - Caution No Hands	
12	1704277	3	Decal - Attach Lanyard	
13	1001254751	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
24	3251243	1	Decal - Nameplate	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	1703984	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703942	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227695	Ref	DECAL INSTALLATION - FRAME	C
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001093684	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
118	1001131269	1	Decal - Patent Boom Lift	
120	1001223453	1	Decal - ICES	
156	1001223971	1	Decal - Yearly Inspection	

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FIGURE 9-7. DECAL INSTALLATION - ANSI EXPORT - (JAPANESE SPECS) (400SC)

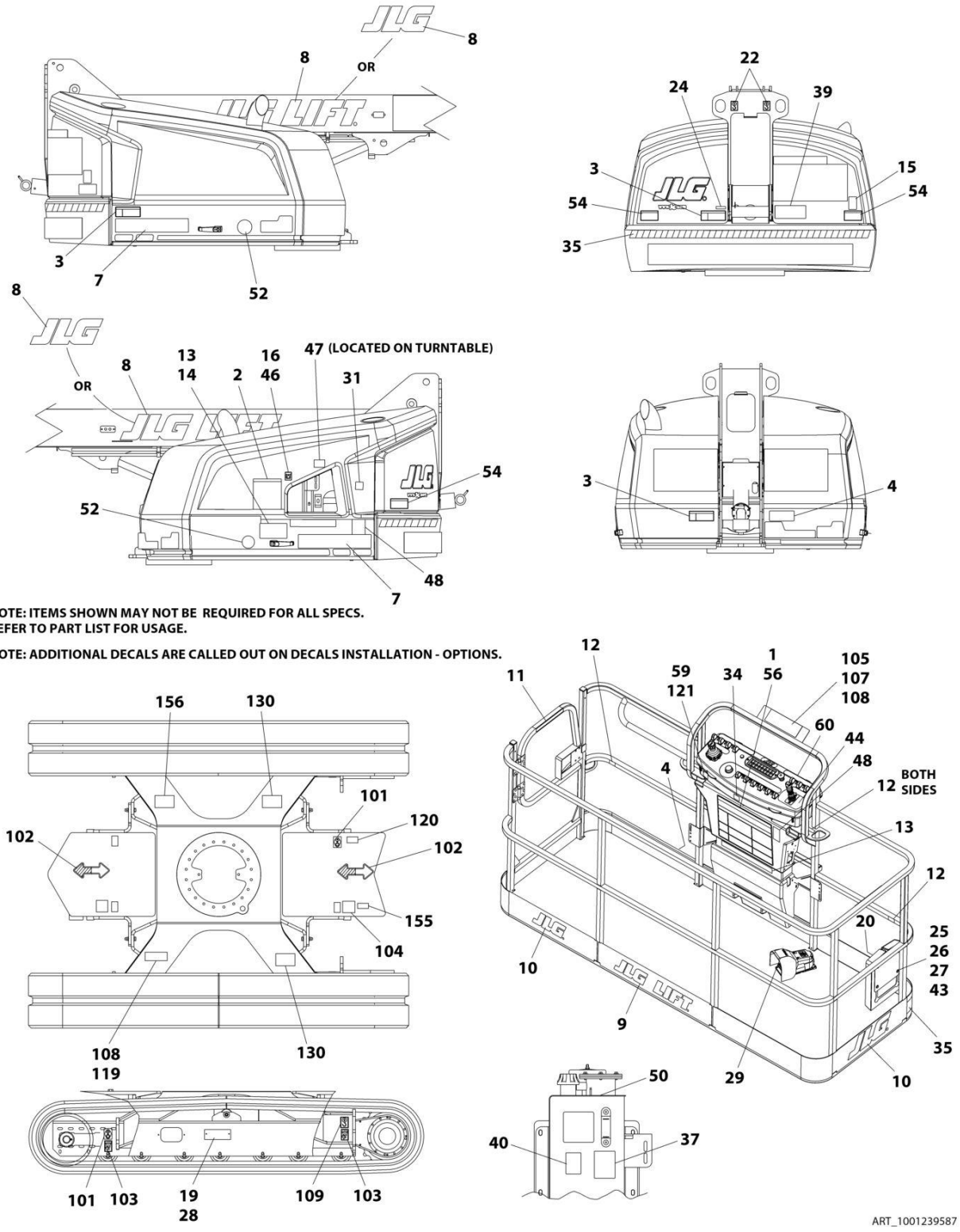

FIGURE 9-7. DECAL INSTALLATION - ANSI EXPORT - (JAPANESE SPECS) (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239587	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239585	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703926	1	Decal - Danger/ Warning (Platform)	
2	1703932	1	Decal - Danger/ Warning (MTB)	
3	1703938	3	Decal - Electrocution	
4	1703950	3	Decal - Warning Crushing	
12	1704277	3	Decal - Attach Lanyard	
13	1001254677	1	Decal - Warning Dual Cap	
14	1001254678	1	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
29	1703980	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703944	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001215290	Ref	DECAL INSTALLATION - FRAME	B
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001215285	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	

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FIGURE 9-8. DECAL INSTALLATION - ANSI EXPORT - (JAPANESE SPECS) (460SJC)

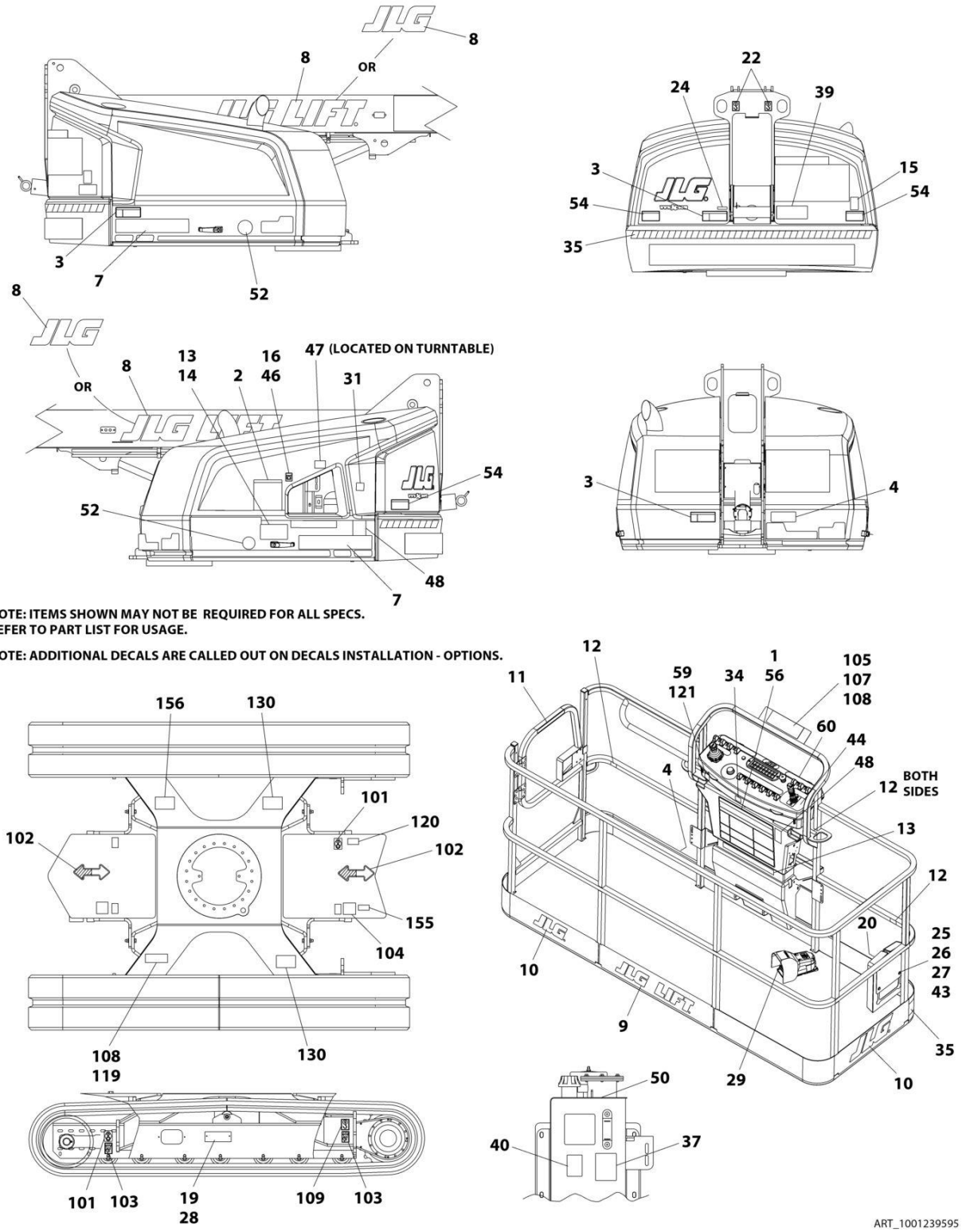

FIGURE 9-8. DECAL INSTALLATION - ANSI EXPORT - (JAPANESE SPECS) (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239595	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239594	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703926	1	Decal - Danger/ Warning (Platform)	
2	1703932	1	Decal - Danger/ Warning (MTB)	
3	1703938	3	Decal - Electrocution	
4	1703950	3	Decal - Warning Crushing	
12	1704277	3	Decal - Attach Lanyard	
13	1001254756	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
29	1703980	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703944	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001215290	Ref	DECAL INSTALLATION - FRAME	B
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001215285	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	

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FIGURE 9-9. DECAL INSTALLATION - ANSI EXPORT SPEC - (KOREAN SPECS) (400SC)

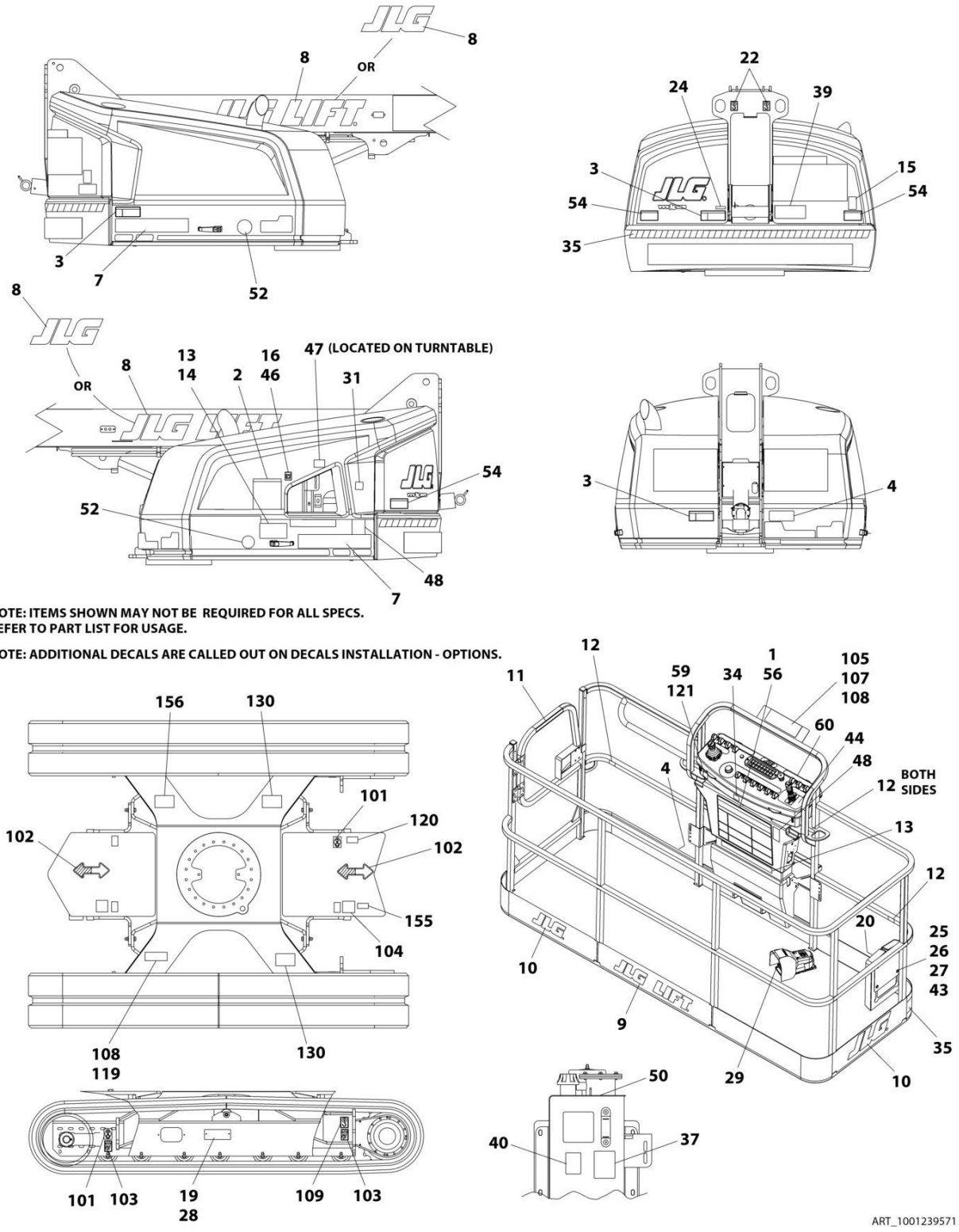

FIGURE 9-9. DECAL INSTALLATION - ANSI EXPORT SPEC - (KOREAN SPECS) (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239571	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239567	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703927	1	Decal - Danger/Warning (Platform)	
2	1703933	1	Decal - Danger/Warning (MTB)	
3	1703939	3	Decal - Electrocution	
4	1703951	3	Decal - Warning Crushing	
12	1704277	3	Decal - Attach Lanyard	
13	1001254669	1	Decal - Warning Dual Cap	
14	1001254670	1	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	1703981	1	Decal - Nameplate, Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703945	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227698	Ref	DECAL INSTALLATION - FRAME	B
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001215286	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
118	1001131269	1	Decal - Patent	
156	1001224048	1	Decal - Yearly Inspection	

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FIGURE 9-10. DECAL INSTALLATION - ANSI EXPORT SPEC - (KOREAN SPECS) (460SJC)

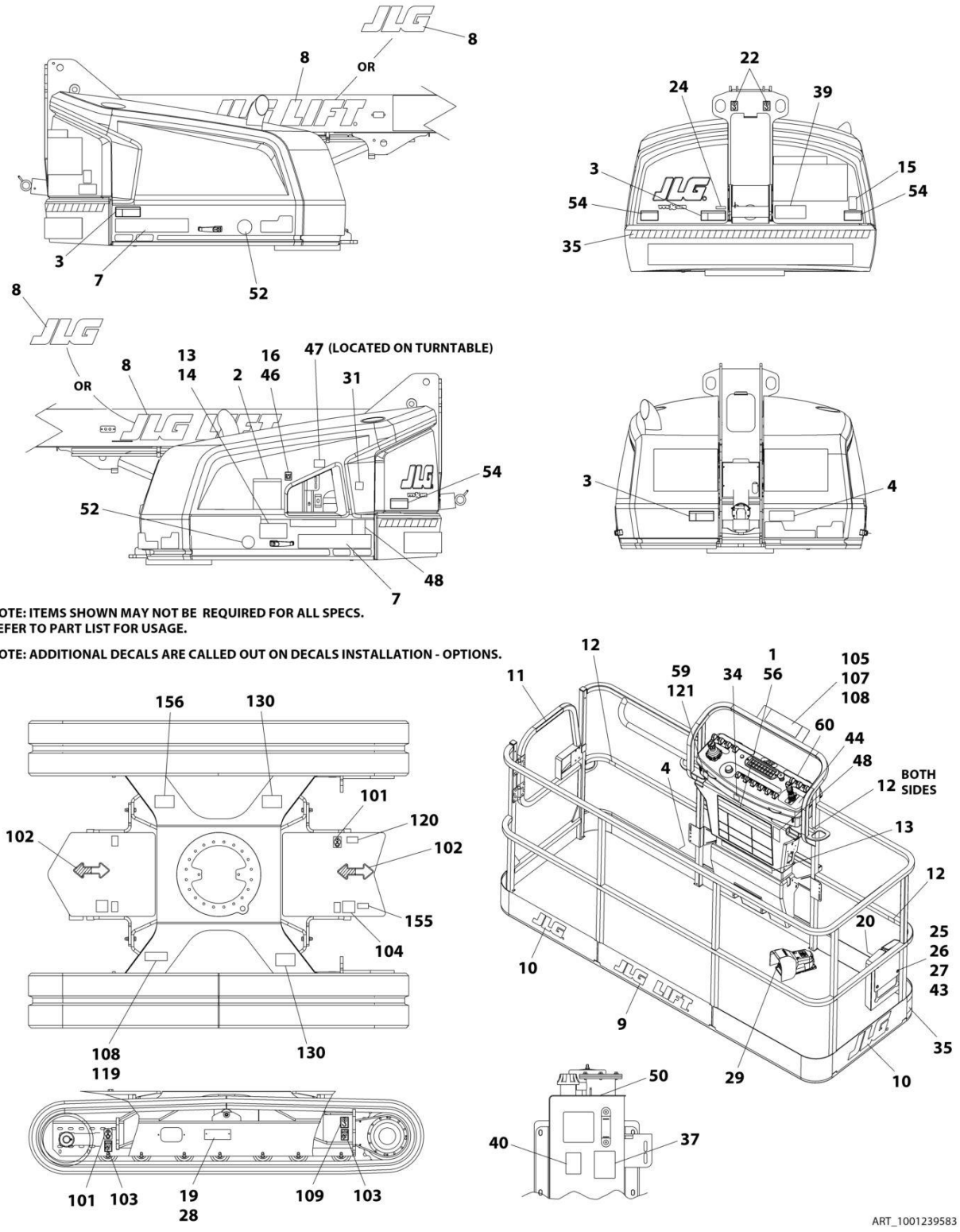

FIGURE 9-10. DECAL INSTALLATION - ANSI EXPORT SPEC - (KOREAN SPECS) (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239583	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239582	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703927	1	Decal - Danger/Warning (Platform)	
2	1703933	1	Decal - Danger/Warning (MTB)	
3	1703939	3	Decal - Electrocution	
4	1703951	3	Decal - Warning Crushing	
12	1704277	3	Decal - Attach Lanyard	
13	1001254752	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	1703981	1	Decal - Nameplate, Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703945	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227698	Ref	DECAL INSTALLATION - FRAME	B
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001215286	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
118	1001131269	1	Decal - Patent	
156	1001224048	1	Decal - Yearly Inspection	

FIGURE 9-11. DECAL INSTALLATION - OPTIONS

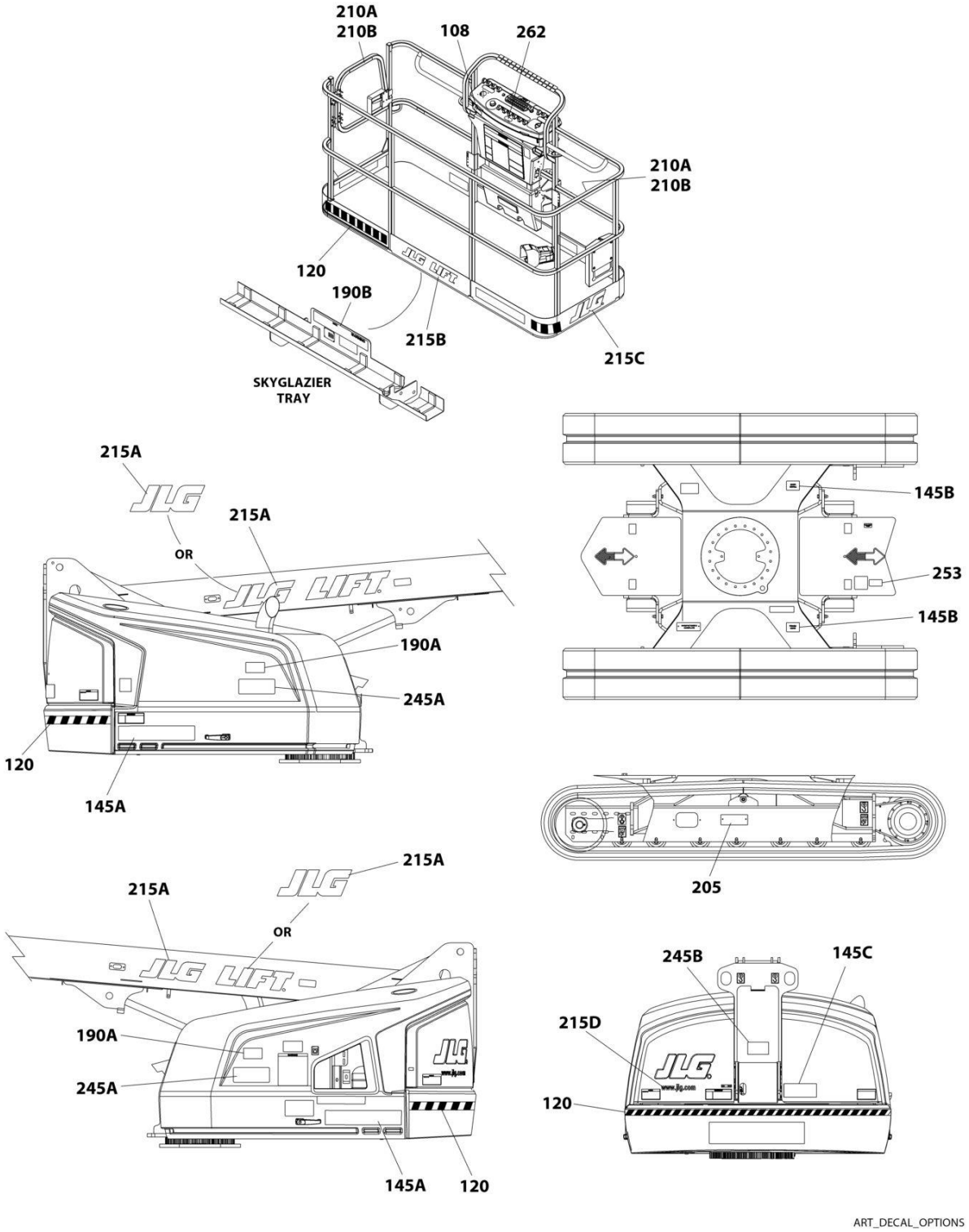

FIGURE 9-11. DECAL INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217488	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE) (CE & UK CA Specs Only)	D
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	H
	1001192020	1	DECAL INSTALLATION - OPTIONS	
108	1001231801	1	Decal - Proposition 65 (Diesel Machines)	
120	1001178415	Ref	Warning Stripes Installation	A
120	4420051	14.5 ft /4.42m	Tape, Safety	
145	1001190871	Ref	Decal - Model Designation - 400SC (Not Shown)	E
145	1001217211	Ref	Decal - Model Designation - 460SJC (Not Shown)	B
145A	1001272288	2	Decal - 400SC	
145A	1001268234	2	Decal - 460SJC	
145B	1001201127	2	Decal - Max Track Load - 400SC	
145B	1001217210	2	Decal - Max Track Load - 460SJC	
145C	1001284679	1	Decal - Lift Diagram - 400SC	
145C	1001284680	1	Decal - Lift Diagram - 460SJC	
190	1001172570	Ref	Decal - SkyGlazier (English Decals) (ANSI, ANSI Export and CSA Specs)	C
190	1001172573	Ref	Decal - SkyGlazier (French Decals) (CE & UK CA Specs)	B
190	1001172574	Ref	Decal - SkyGlazier (German Decals) (CE & UK CA Specs)	B
190	1001172575	Ref	Decal - SkyGlazier (Italian Decals) (CE & UK CA Specs)	B
190	1001193136	Ref	Decal - SkyGlazier (Portuguese Decals) (CE & UK CA Specs)	B
190	1001193135	Ref	Decal - SkyGlazier (Spanish Decals) (CE & UK CA Specs)	B
190	1001172576	Ref	Decal - SkyGlazier (UK Decals) (CE & UK CA Specs)	B
190A	1705358	2	Decal - SkyGlazier	
190B	1001199035	2	Decal - SkyGlazier Capacity (English)	
190B	1001172566	2	Decal - SkyGlazier Capacity (French)	
190B	1001172567	2	Decal - SkyGlazier Capacity (German)	
190B	1001172568	2	Decal - SkyGlazier Capacity (Italian)	
190B	1001193134	2	Decal - SkyGlazier Capacity (Portuguese)	
190B	1001193133	2	Decal - SkyGlazier Capacity (Spanish)	
190B	1001172569	2	Decal - SkyGlazier Capacity (UK)	
205	See Note	1	Nameplate - Serial Number (Not Shown) (Note: Not Available for Purchase)	
210	1001218850	1	Decal - No Hands (Australian Spec)	
215	1001178433	Ref	Decal Installation - JLG Logo (Not Shown)	A
215A	1702861	2	Decal - JLG Lift	
215B	1702774	1	Decal - JLG Lift	
215C	1702773	1	Decal - JLG	
215D	1704885	1	Decal - Website	
226	1704972	1	Decal - Warning Explosion/Fire (ANSI and ANSI Export Specs) (Not Shown)	
226	1706098	1	Decal - Warning Explosion/Fire (CE & UK CA Specs) (Not Shown)	
226	1706064	1	Decal - Warning Explosion/Fire (CSA Spec - Dual Language English/French) (Not Shown)	
226	1706062	1	Decal - Warning Explosion/Fire (ANSI Export Specs) (Not Shown)	
226	1706061	1	Decal - Warning Explosion/Fire (Korean Spec - Dual Language English/Korean) (Not Shown)	
245	1001178435	Ref	Decal - ClearSky (Not Shown)	

SECTION 9 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
245A	1001116208	1	Decal - ClearSky	
245B	1001120989	1	Decal - Radio Frequency	
245	1001294763	Ref	Clearsky Smart Fleet Decal Installation	
245A	1001120989	1	Decal - Radio Frequency	
245B	1001294815	1	Decal - ClearSky	
253	1001143852	1	Decal - Emission Compliance	
262	1001141300	1	Decal - SkyGuard Override	
262	1001141302	1	Decal - SkyGuard/Soft Touch Override	

FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 50HZ (ANSI EXPORT SPECS)

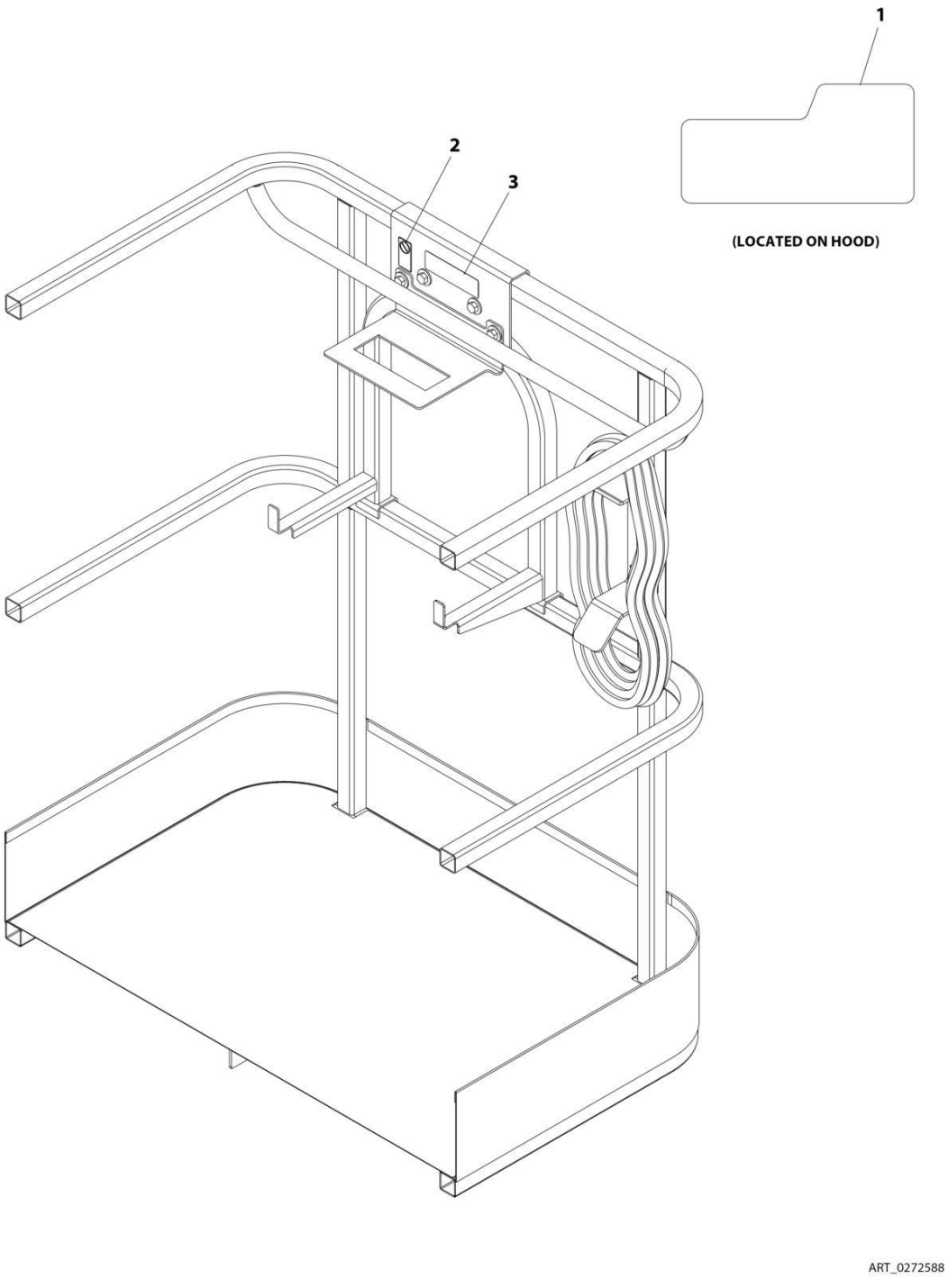

FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 50HZ (ANSI EXPORT SPECS)

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 9-13. SKYWELDER DECAL INSTALLATION - 60HZ (ANSI EXPORT SPECS)

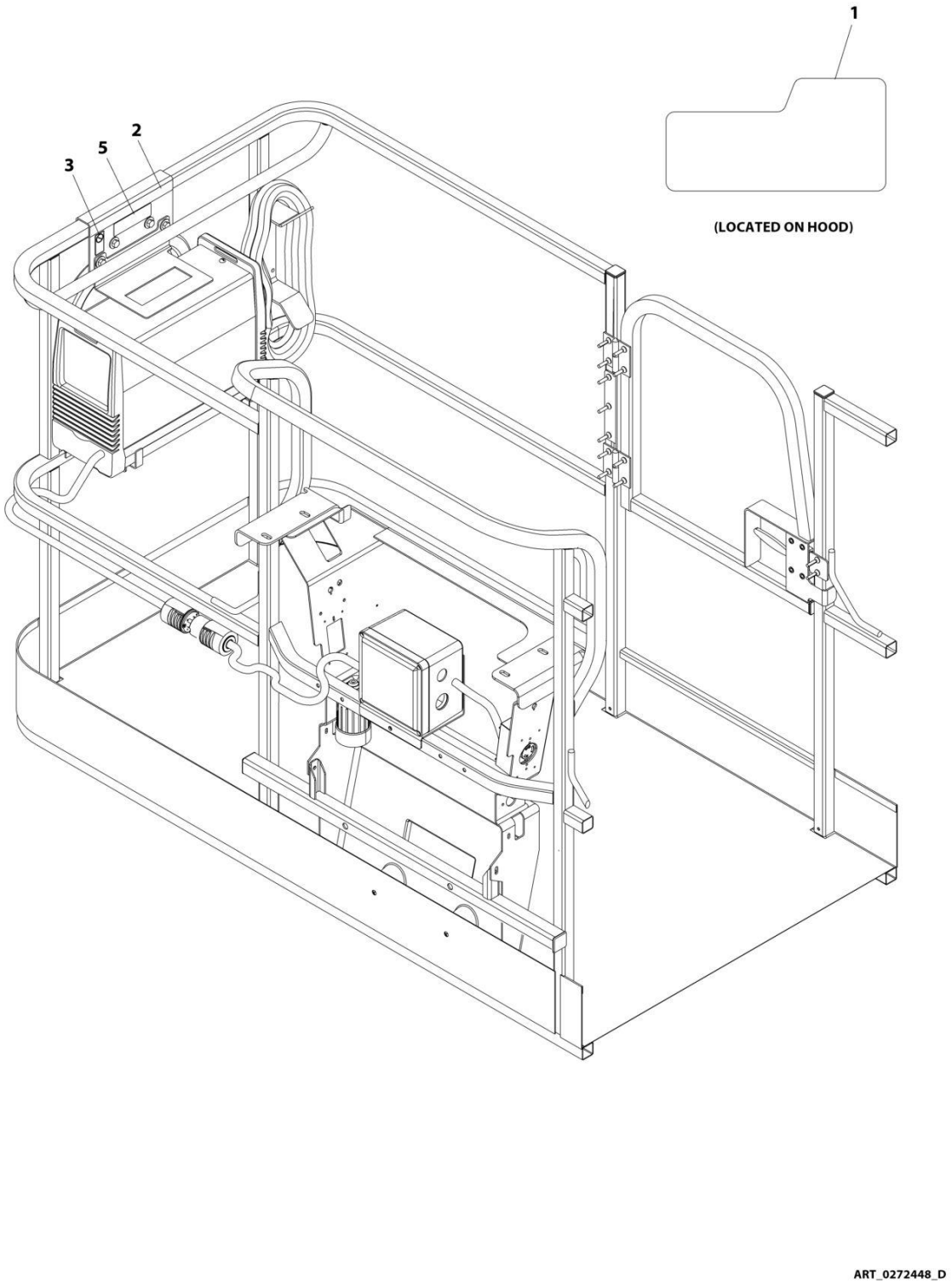

FIGURE 9-13. SKYWELDER DECAL INSTALLATION - 60HZ (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272448	Ref	SKYWELDER DECAL INSTALLATION - 60Hz	D
1	1705355	2	Decal - SkyWelder	
2	1702868	1	Decal - No Hands	
3	1705305	1	Decal - Weld Lead	
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.	
	4360476	1	Block, Contact	
	7020176	1	Block, Contact	
	1001189172	1	Breaker 16Amp Double (Breaker Box with Three Breakers)	
	1001159118	1	Breaker GFCI 30Amp 240VAC (240V AC Box at Platform)	
	1001181045	1	Breaker, 16Amp (Breaker Box with Single Breaker)	
	1001189171	1	Breaker, 30mA (Breaker Box with Three Breakers)	
	4360542	1	Breaker, Circuit (2500W Generators)	
	4360070	1	Breaker, Circuit - 15Amp (4000W/60Hz and 7500W Generators)	
	70006095	1	Breaker, Circuit 30Amp (7500W Generator with Deutz D2.9L4 Engine)	
	7024485	1	Breaker, Circuit 30Amp (7500W Generators with Deutz D2011 Engine)	
	70002386	1	Coil	
	70003788	1	Coil	
	70005219	1	Coil	
	1001142683	1	Control Module (Blue and Red Beacons)	
	1001275629	1	Controller Assembly (Lift and Swing)	
	1600359	1	Controller Assembly (Drive and Steer)	
	1001157196	1	Controller, Module (Console Box Assembly)	
	1001196636	2	Diode - 1 Amp (Main Valve Harness)	
	70010383	1	Element, Filter	
		Ref	Engine - Deutz D2011	
	70003783	12	Element, Air Cleaner	
	7020023	12	Filter, Fuel	
	70003463	12	Filter, Fuel - RME Resistant	
	7016331	12	Filter, Oil	
	3740140	1	Relay, 100Amp	
	70004058	1	Relay	
		Ref	**Engine - Deutz D2.9L4**	
	70003783	12	Element, Air Cleaner	
	1001197719	2	Fuse, 0.5 Watt	
	80983191	2	Fuse, 10 Amp	
	70023592	2	Fuse, 20 Amp	
	70023593	2	Fuse, 30 Amp	
	1001117308	1	Relay, 200Amp	
	1001138228	1	Relay, Power Module	
		Ref	Engine - Deutz D2.9L4 (Stage V)	
	70003783	12	Element, Air Cleaner	
	1001117308	1	Relay, 200Amp	
	1001138228	1	Relay, Power Module	
	1001117174	1	Footswitch Assembly	
	8229249	2	Fuse, 3 Amp (USB Charger)	
	1001196634	2	Fuse, 2 Amp	
	8229242	2	Fuse, 5 Amp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8229244	2	Fuse, 15 Amp	
	8229245	2	Fuse, 30 Amp (2500W Generators)	
	2860030	1	Key, Replacement	
	2940074	1	Latch (Platforms with Swing Gate)	
	1001170094	1	Module, Ground Control	
	3740080	1	Relay (2500W Generators)	
	70006553	1	Relay (ANSI Export Spec 4000W Generator)	
	1001186431	1	Relay (SkyGuard)	
	3740086	1	Relay (SkyLine)	
	1001095704	1	Relay 35Amp	
	70005254	1	Screen, Filter	
	1001219601	1	Sensor (Electrical Panel Assembly)	
	1001118971	1	Sensor, Angle (Boom Switches)	
	1001228225	1	Sensor, Emitter (SkyEye)	
	1001231195	1	Sensor, Fuel Level	
	1001170847	1	Sensor, Proximity (Boom Switches)	
	1001182570	1	Sensor, Proximity (Boom Switches)	
	1001232667	1	Sensor, Proximity (SkyLine)	
	1001311034	1	Sensor, Proximity (SkyLine)	
	1001228224	1	Sensor, Receiver (SkyEye)	
	1001237902	1	Sensor, SkySense	
	7024469	1	Switch with Lead (Welder Assembly)	
	1001225346	1	Switch, Battery (Battery Disconnect)	
	1001274559	1	Switch, Emergency Stop	
	4360469	1	Switch, Key	
	4360407	1	Switch, Potentiometer	
	4360387	1	Switch, Push Button	
	4360274	1	Switch, Push Button (CE & UK CA Specs with Stage V Engine)	
	70004682	1	Switch, Reset (4000W Generators)	
	4360328	1	Switch, Toggle	
	4360336	1	Switch, Toggle	
	1001155045	1	Switch, Toggle	
	1001159256	1	Switch, Toggle	
	1001161709	1	Switch, Toggle DPDT	

SECTION 11 - SPECIAL OPTIONS

SECTION 11 - SPECIAL OPTIONS

FIGURE 11-1. SPECIAL OPTIONS/ACCESSORIES/KITS

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/ACCESSORIES/KITS	
	1001174347	Ref	Airline Installation - 400SC	
	1001174348	Ref	Airline Installation - 460SJC	
	1001236541	Ref	Boom and Chassis Bellows Installation (400SC)	
	1001236540	Ref	Boom and Chassis Bellows Installation (460SJC)	
	1001172630	Ref	Boom Wiper Installation	
	1001183206	Ref	Cold Weather Package (Deutz T4F Engine) (ANSI, ANSI Export, CSA and Japan Specs)	
	1001183207	Ref	Cold Weather Package (Deutz T4i Engine) (ANSI Export Spec)	
	1001255807	Ref	Cold Weather Package (Deutz D2.9L4 Engines (Stage V)) (CE & UK CA Spec)	
	1001243183	Ref	ClearSky (Telematics) Canbus Added-on-Kit (Dealer Installed) (ANSI, ANSI Export, CSA, CE & UK CA Specs)	
	1001243184	Ref	ClearSky (Telematics) Canbus Added-on-Kit (Dealer Installed) (CE & UK CA Specs)	
	1001276923	Ref	ClearSky (Telematics) 3 Wire Added-on-Kit (Dealer Installed)	
	1001242639	Ref	ClearSky (Telematics) Access Control Installation (Dealer Installed) (ANSI, ANSI Export, CSA, CE & UK CA Specs)	
	1001285871	Ref	ClearSky (Telematics) Installation (ABS Hoods)	
	1001293176	Ref	ClearSky (Telematics) Installation (Steel Hoods)	
	1001276007	Ref	Controller Service Kit - Drive/Steer	
	1001276008	Ref	Controller Service Kit - Lift/Swing	
	1001233047	Ref	Deutz Breather Heater Kit (Dealer Installed)	
	1001148902	Ref	Electrical Connector Kit - Amp/Tyco Electrical Connectors	
	1001148903	Ref	Electrical Connector Kit - Deutsch DT Electrical Connectors	
	1001148904	Ref	Electrical Connector Kit - Deutsch HD Electrical Connectors	
	1001148905	Ref	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kit - Various Electrical Connectors	
	1001257275	Ref	Fall Arrest (Bolt-on) Installation - 60in (Factory Installed)	
	1001236747	Ref	Fall Arrest (Bolt-on) Installation - 72in (Factory Installed)	
	1001238463	Ref	Fall Arrest (Bolt-on) Installation - 72in Tri-Entry (Factory Installed)	
	1001236746	Ref	Fall Arrest (Bolt-on) Installation - 96in (Factory Installed)	
	1001237883	Ref	Fall Arrest (Bolt-on) Add-on Kit - 72in (Dealer Installed)	
	1001172751	Ref	Fan Cover Installation - Deutz D2.9L4 Engines/Deutz D2.9L4 (Stage V) Engines (ANSI Export Specs)	
	1001204482	Ref	Filter Kit - Combined (Hydraulic Oil/Air & Engine Air/Fuel Oil) (Deutz)	
	1001305520	Ref	Fire Extinguisher (2.5lbs) Installation	
	1001117294	Ref	Footswitch Shield Installation	
	1001219794	Ref	Hose / Cable Protection	
	1001259446	Ref	Hydraulic Load Installation (Deutz D2.9L4 and Stage V Engines)	
	1001268737	Ref	Jib Link Service Kit	
	1001174925	Ref	Lights Installation - Headlights and Taillights	
	1001174926	Ref	Light Installation - Illumination	
	1001120466	Ref	Lights Installation - Platform Worklights	
	1001202749	Ref	Lockable Fuel Cap Cover - Black	
	1001191395	Ref	Lockable Fuel Cap Cover - Green (ANSI, ANSI Export and CSA Specs)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183407	Ref	Low Temperature Cutout Installation (Russian Specs)	
	1001272166	Ref	Pipe Racks Add-on Kit (Dealer Installed)	
	1580013	Ref	Platform Corner Storage Tray	
	1001266290	Ref	Platform Cover Installation - Steel	
	1001195304	Ref	Platform Cover Installation - Clear	
	1001308593	Ref	Platform Cover Installation - Fabric	
	1001309057	Ref	Platform Cover Kit - Fabric	
	1001270482	Ref	Platform Cover Add-on Kit (Dealer Installed)	
	1001274832	Ref	Platform Floormats Add-on Kit (30x60 Platforms) (Dealer Installed)	
	1001274830	Ref	Platform Floormats Add-on Kit (36x72 Platforms) (Dealer Installed)	
	1001274829	Ref	Platform Floormats Add-on Kit (36x96 Platforms) (Dealer Installed)	
	1001266098	Ref	Platform Plastic Mesh to Mid Rail Installation - 36in X 8ft (91.5cm x 2.44m) (ANSI and ANSI Export Specs)	
	1001266489	Ref	Platform Plastic Mesh to Top Rail Installation - 36in X 6ft (91.5cm x 1.83m) (ANSI and CSA Specs)	
	1001266056	Ref	Platform Plastic Mesh to Top Rail Installation - 36in X 8ft (91.5cm x 2.44m) (ANSI and CSA Specs)	
		Ref	**Platform Padding Installation Options:**	
	1001275644	Ref	Platform Padding Installation - 30 x 60 Platforms	
	1001275642	Ref	Platform Padding Installation - 36 x 72 Platforms	
	1001269655	Ref	Platform Padding Installation - 36 x 96 Platforms	
	0272733	Ref	Platform Rail Extension Installation - 36in x 72in Platforms	
	0272725	Ref	Platform Rail Extension Installation - 36in x 96in Platforms	
	1001282215	Ref	Platform Worklights Kit	
	1001233799	Ref	Service Tools & Kits	N
	1001247073	Ref	SkyEye Retrofit Kit	
	1001262016	Ref	SkyLine Add-on Kit (Dealer Installed)	
	1001289831	Ref	SkySense (EDS) Level 1 Booms Installation (Factory Installed)	
	1001289832	Ref	SkySense (EDS) Level 2 Booms Installation (Factory Installed)	
	1001253618	Ref	SkySence (EDS) Level 2 (3 Bar) Repair Kit for PN 1001246867	
	1001246867	Ref	SkySence (EDS) Level 1 (2 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252033)	
	1001289905	Ref	SkySence (EDS) Level 1 (2 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252033)	
	1001252033	Ref	SkySence (EDS) Level 1 (2 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252033)	
	1001246860	Ref	SkySence (EDS) Level 2 (3 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252034)	
	1001289906	Ref	SkySence (EDS) Level 2 (3 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252034)	
	1001252034	Ref	SkySence (EDS) Level 2 (3 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252034)	
	1001292585	Ref	Strobe Light (Amber) Hood Kit	
	1001231235	Ref	Sky Welder Locking Bracket	
	1001303167	Ref	Sky Welder Extension Cord Cable	
	1001284515	Ref	Telematics Gateway (Dealer Installed)	
	2901443	Ref	Tools - Analyzer Kit	
	1001137005	Ref	Tools - Cable Kit, Software	
	1001253619	Ref	SkySence (EDS) Level 2 (3 Bar) Repair Kit for PN 1001246860	
	7002821	Ref	Tools - Crimper, Wire	

SECTION 11 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7002823	Ref	Tools - Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460510	Ref	Tools - Pin Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460467	Ref	Tools - Pin Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016654	Ref	Tools - Screwdriver, Magnetic	
	7002822	Ref	Tools - Screwdriver, Potentiometer	
	7004275	Ref	Tools - Seal Tool 1in (For Cylinders)	
	7004276	Ref	Tools - Seal Tool 1-1/2in (For Cylinders)	
	7002828	Ref	Tools - Stripper, Wire	
	1001277839	Ref	UGM2 Retrofit ADE2 Kit	
	1001262959	Ref	Voltage Regulator Relocation Kit (ClearSky)	
	1001270755	Ref	Whlte Noise (Ambient) Add-on Kit (Dealer Installed)	
	1001270716	Ref	Whlte Noise (Constant) Add-on Kit (Dealer Installed)	
	1001209059	Ref	Work Surface Installation	

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