Illustrated Parts Manual

Model 600AJ HC3

PVC
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ANSI

CE

UK CA

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An Oshkosh Corporation Company

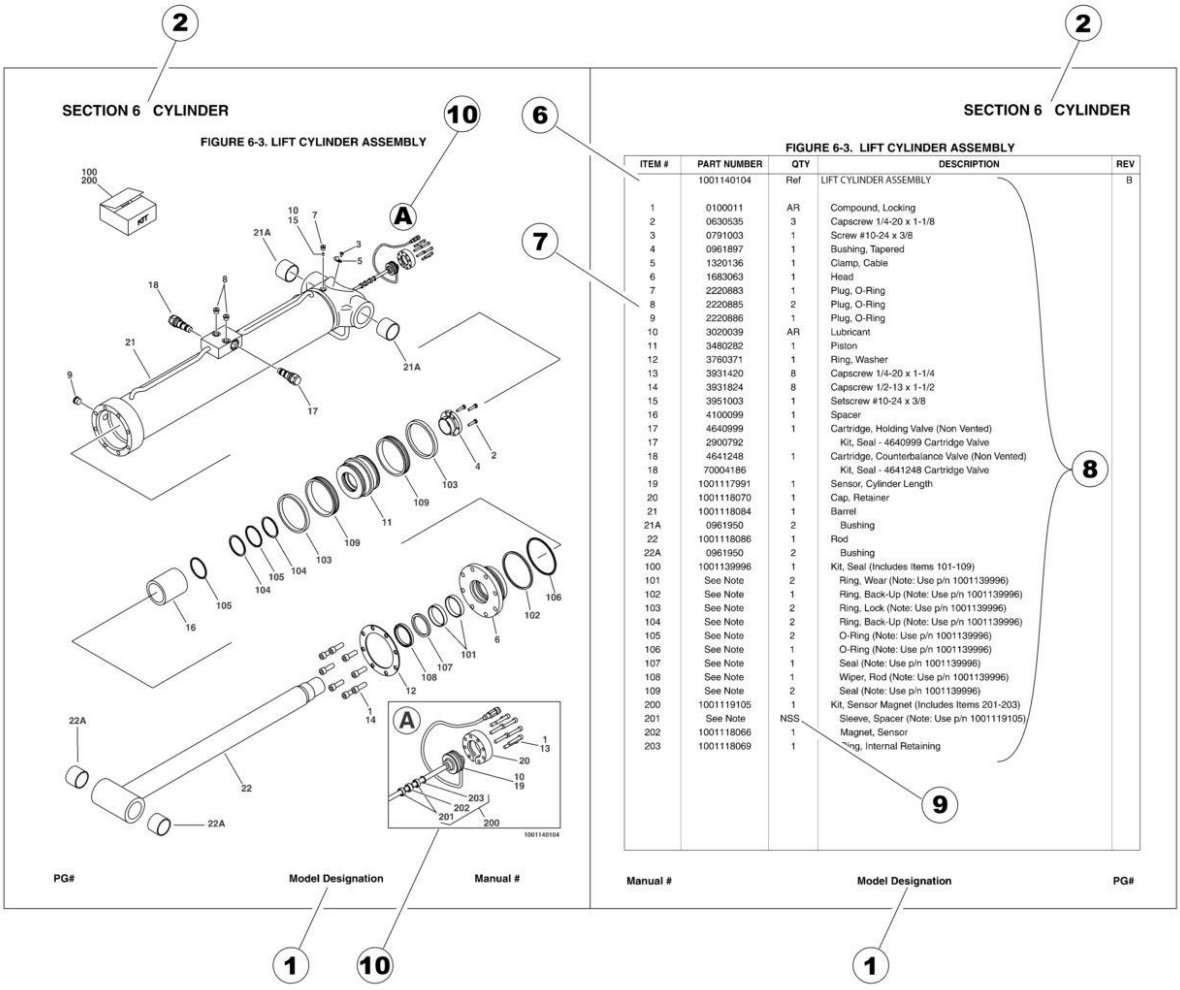
REVISION LOG

July 1, 2022 - A - Original Issue of Manual (Edited to B/M 1001245251 Revision O)

November 15, 2022 - B - Revised Manual (Edited to B/M 1001245251 Revision S)

July 17, 2023 - C - Revised Manual (Edited to B/M 1001245251 Revision S)

GENERAL INFORMATION



1) MACHINE IDENTIFICATION

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

2) PARTS MANUAL ORGANIZATION

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

3) TABLE OF CONTENTS (NOT SHOWN)

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

4) RECOMMENDED SPARE PARTS (NOT SHOWN)

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

5) PART NUMBER INDEX (NOT SHOWN)

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

GENERAL INFORMATION

6) NON-SERVICED PARTS

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

7) PARTS LIST ITEM NUMBERS

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

8) INDENTED PARTS DESCRIPTION

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

9) ABBREVIATION AND SYMBOLS

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

10) ILLUSTRATION REFERANCE LETTERS

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

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

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SECTION 1 - FRAME

FIGURE 1-1. AXLE INSTALLATION (WITHOUT TOW PACKAGE)

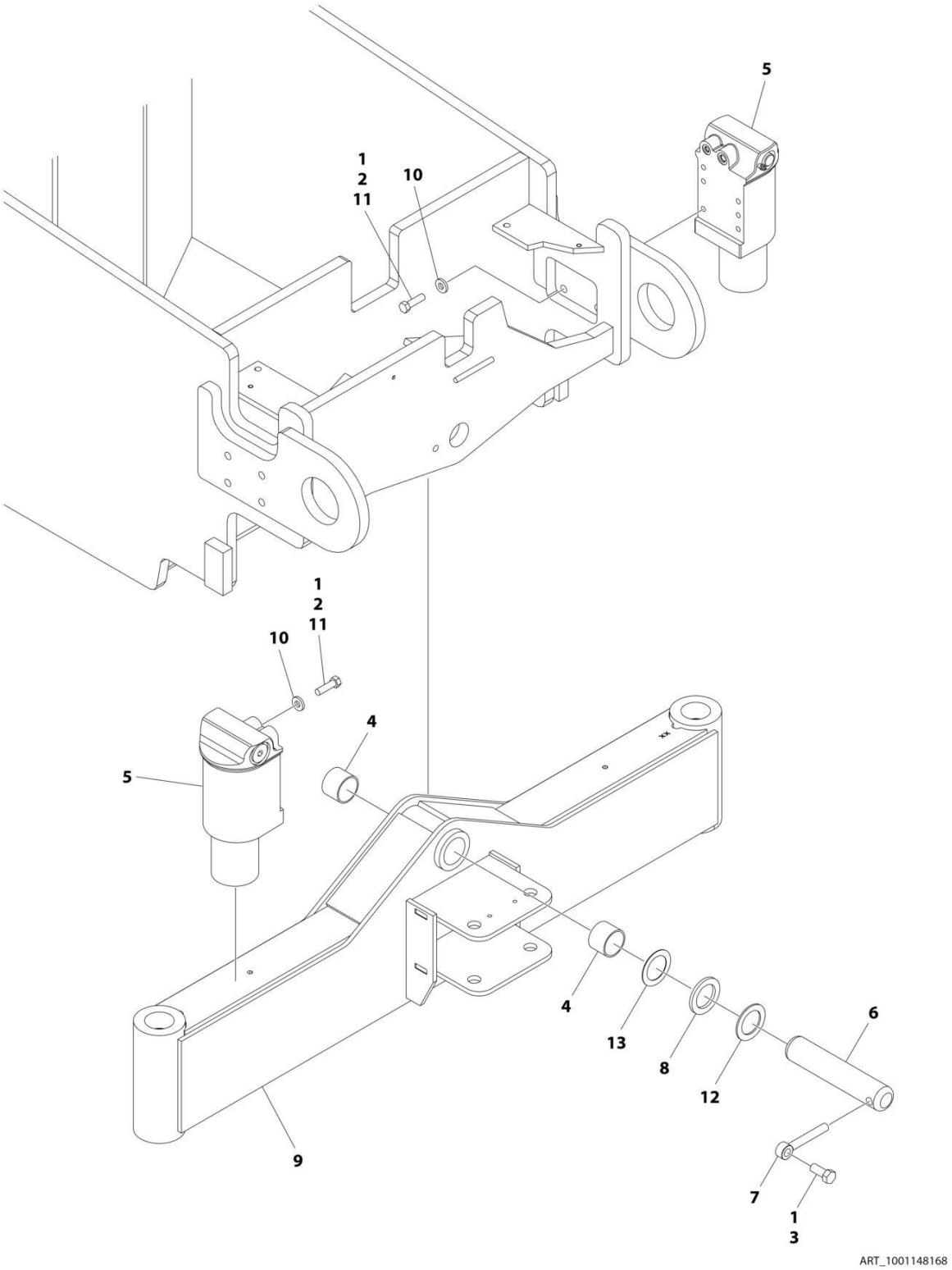


FIGURE 1-1. AXLE INSTALLATION (WITHOUT TOW PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148168	Ref	AXLE INSTALLATION - OSCILLATING	C
1	0100011	AR	Compound, Locking	
2	0641814	8	Bolt 1/2 x 1-3/4	
3	0642012	1	Bolt 5/8 x 1-1/2	
4	0961950	2	Bearing	
5	1684465	2	Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
6	3423184	1	Pin	
7	3841258	1	Keeper, Pin	
8	4740158	AR	Thrustwasher	
9	1001148171	1	Axle Weldment	
10	4891800	8	Washer 1/2 Hardened	
11	0100038	AR	Primer, Locking	
12	4740229	AR	Thrustwasher	
13	4071101	AR	Shim (18Ga)	

FIGURE 1-2. AXLE INSTALLATION (WITH TOW PACKAGE)

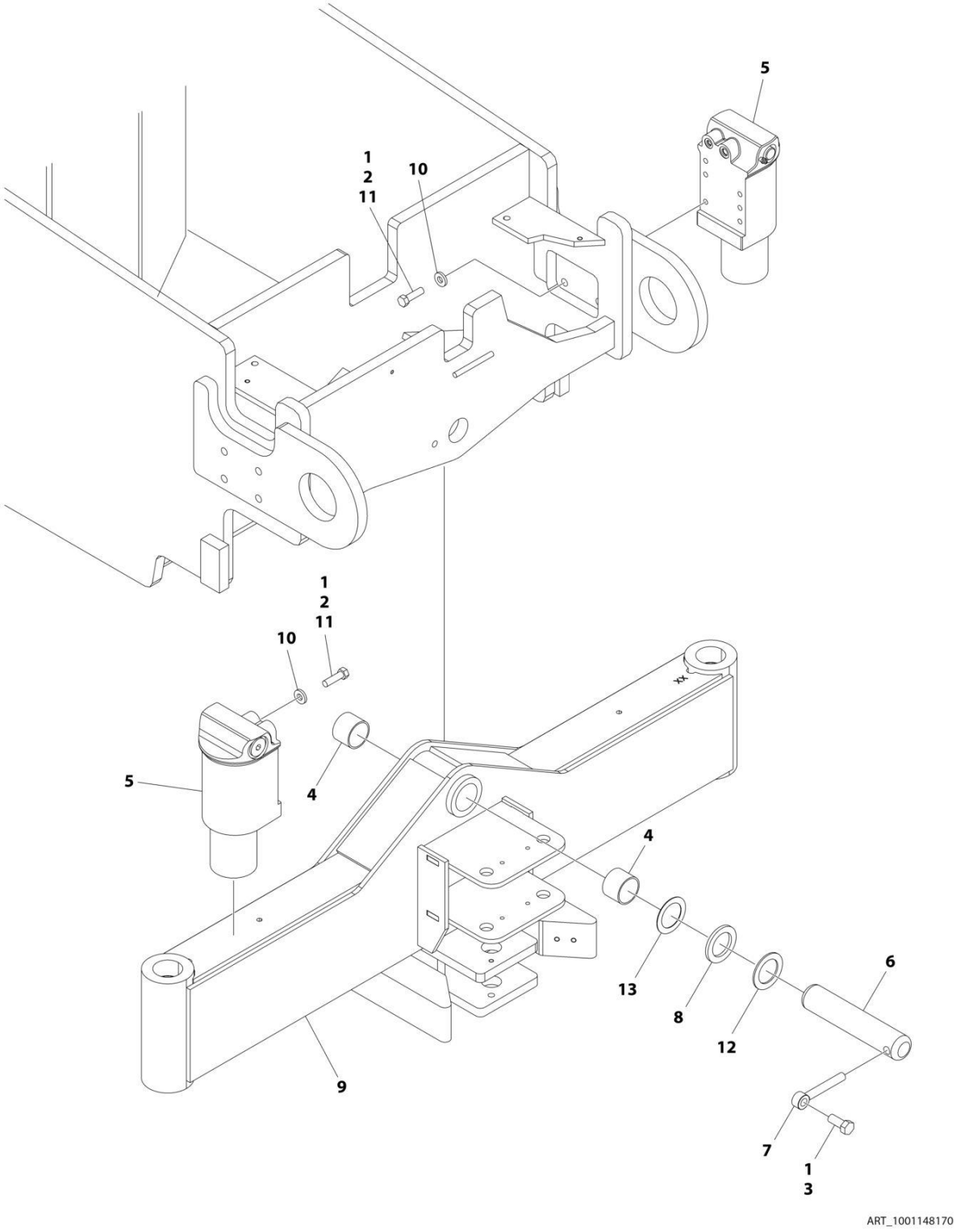


FIGURE 1-2. AXLE INSTALLATION (WITH TOW PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148170	Ref	AXLE INSTALLATION - OSCILLATING	C
1	0100011	AR	Compound, Locking	
2	0641814	8	Bolt 1/2 x 1-3/4	
3	0642012	1	Bolt 5/8 x 1-1/2	
4	0961950	2	Bearing	
5	1684465	2	Axle Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
6	3423184	1	Pin	
7	3841258	1	Keeper, Pin	
8	4740158	1	Thrustwasher	
9	1001148172	1	Axle Weldment	
10	4891800	8	Washer 1/2 Hardened	
11	0100038	AR	Primer, Locking	
12	4071101	AR	Shim (18Ga)	
13	4740229	AR	Thrustwasher	

FIGURE 1-3. STEERING INSTALLATION (WITHOUT TOW PACKAGE)

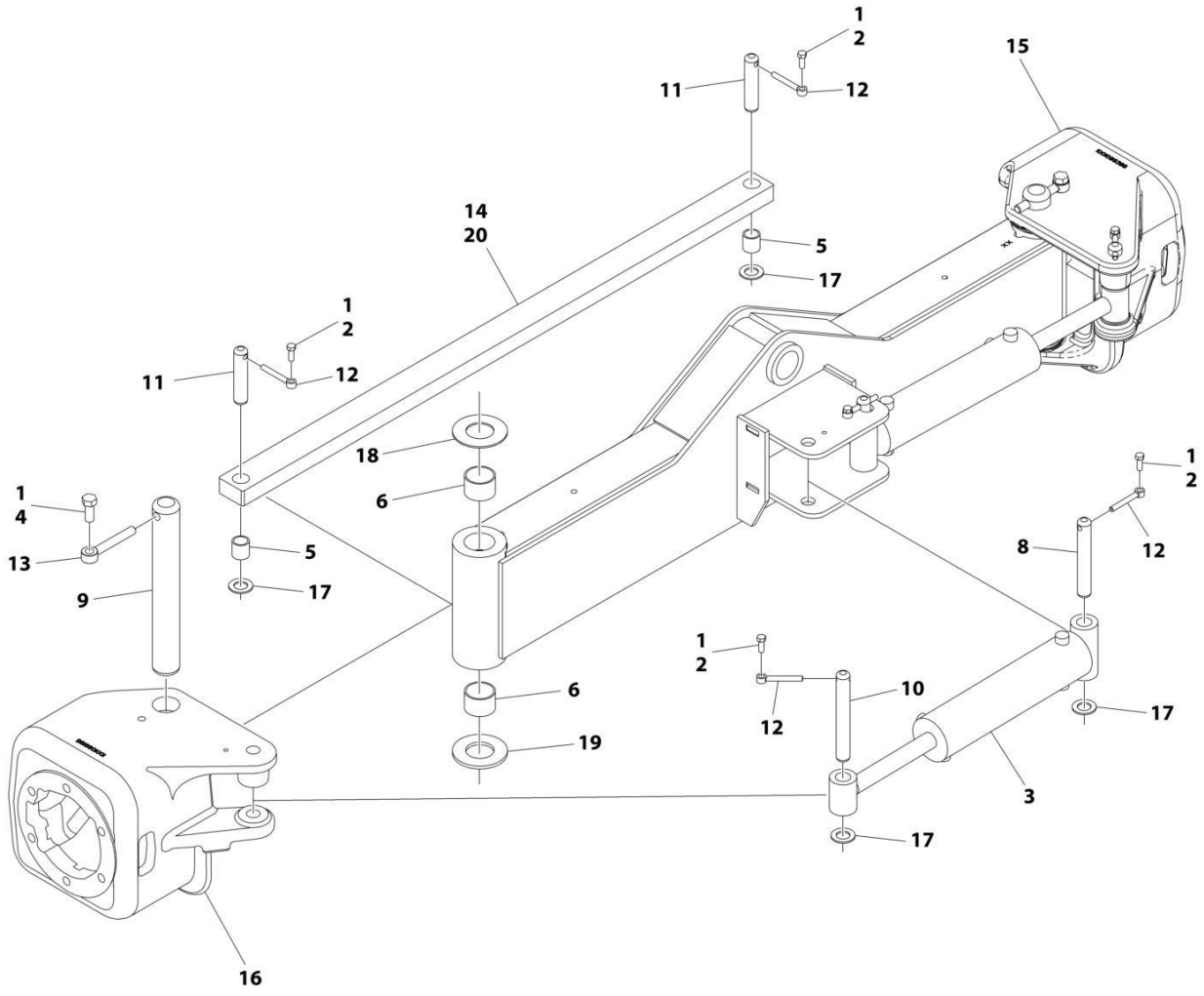


FIGURE 1-3. STEERING INSTALLATION (WITHOUT TOW PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148162	Ref	STEERING INSTALLATION – 4WD/2WS	D
1	0100011	AR	Compound, Locking	
2	0641608	6	Bolt 3/8 x 1	
3	1001097242	2	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
4	0642012	2	Bolt 5/8 x 1-1/2	
5	0962356	2	Bushing (Part of item 20)	
6	0962131	4	Bushing	
8	3422326	2	Pin	
9	3422900	2	Pin	
10	3422902	1	Pin	
11	3422903	2	Pin	
12	3841143	6	Keeper, Pin	
13	3841258	2	Keeper, Pin	
14	1001155574	NLA	Tie-Rod (Part of Item 20) (Use Item 20 as replacement)	
15	1001099387	1	Spindle (LH)	
16	1001099196	1	Spindle (RH)	
17	4740111	6	Thrustwasher	
18	4740256	2	Thrustwasher	
19	4740463	2	Thrustwasher	
20	1001276664	1	Tie-Rod Assembly (Includes Items 5 & 14)	

FIGURE 1-4. STEERING INSTALLATION (WITH TOW PACKAGE)

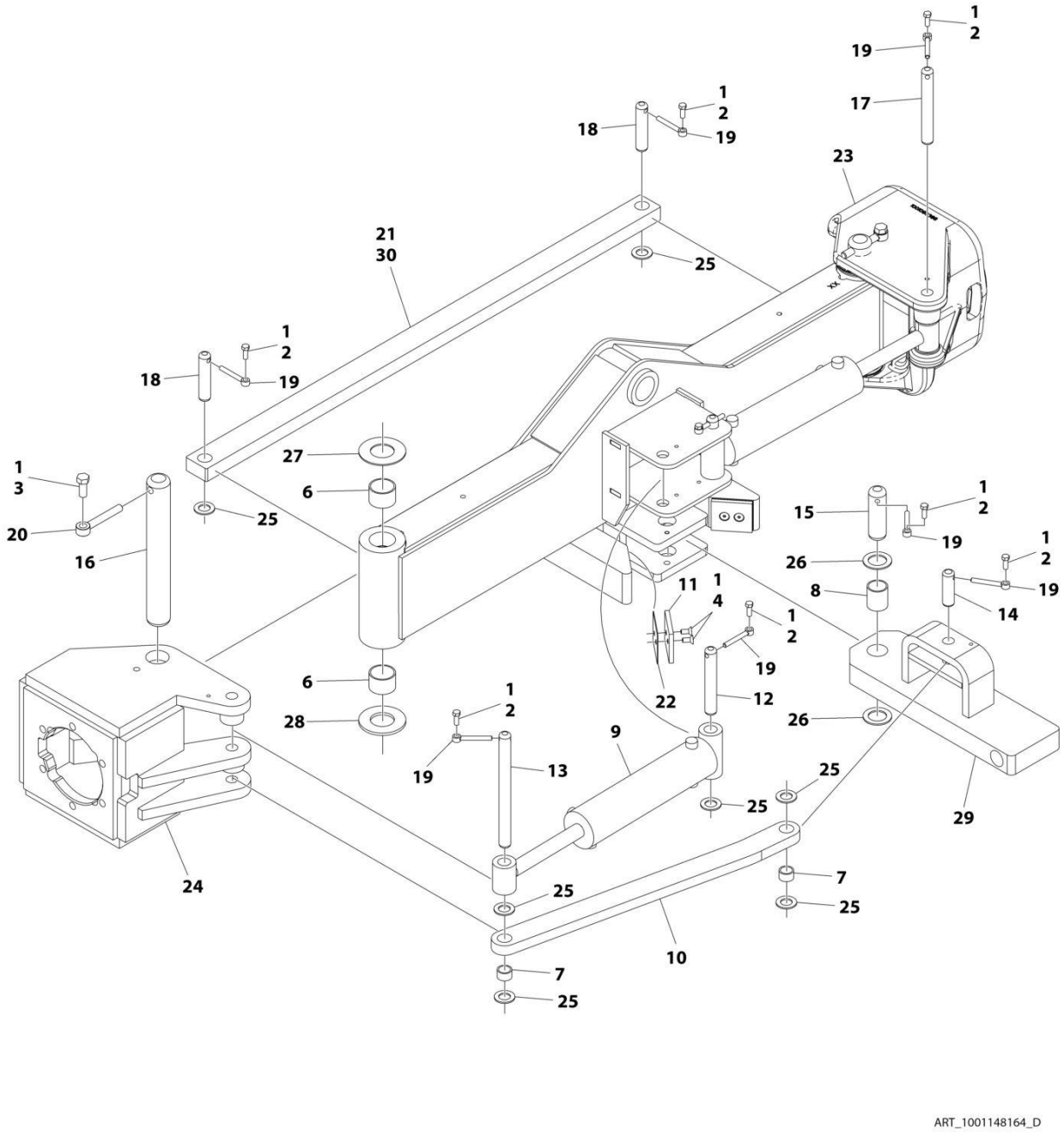


FIGURE 1-4. STEERING INSTALLATION (WITH TOW PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148164	Ref	STEERING INSTALLATION - 4WD/2WS	D
1	0100011	AR	Compound, Locking	
2	0641608	8	Bolt 3/8 x 1	
3	0642012	2	Bolt 5/8 x 1-1/2	
4	0741607	4	Screw 3/8 x 7/8	
5	0962356	2	Bearing (Part of item 30)	
6	0962131	4	Bushing	
7	0962292	2	Bushing	
8	0962348	1	Bushing	
9	1001097242	2	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
10	1001148178	1	Link	
11	3340966	2	Pad	
12	3422326	2	Pin	
13	3422567	1	Pin	
14	3422813	1	Pin	
15	3422848	1	Pin	
16	3422900	2	Pin	
17	3422902	1	Pin	
18	3422903	2	Pin	
19	3841143	8	Keeper, Pin	
20	3841258	2	Keeper, Pin	
21	1001155574	NLA	Tie-Rod (Part of Item 30) (Use Item 30 as replacement)	
22	4071059	2	Shim	
23	1001099387	1	Spindle (LH)	
24	4130399	1	Spindle (RH)	
25	4740111	9	Thrustwasher	
26	4740155	2	Thrustwasher	
27	4740256	2	Thrustwasher	
28	4740463	2	Thrustwasher	
29	4846935	1	Pivot	
30	1001276664	1	Tie-Rod Assembly (Includes Items 5 & 21)	

FIGURE 1-5. WHEEL DRIVE INSTALLATION

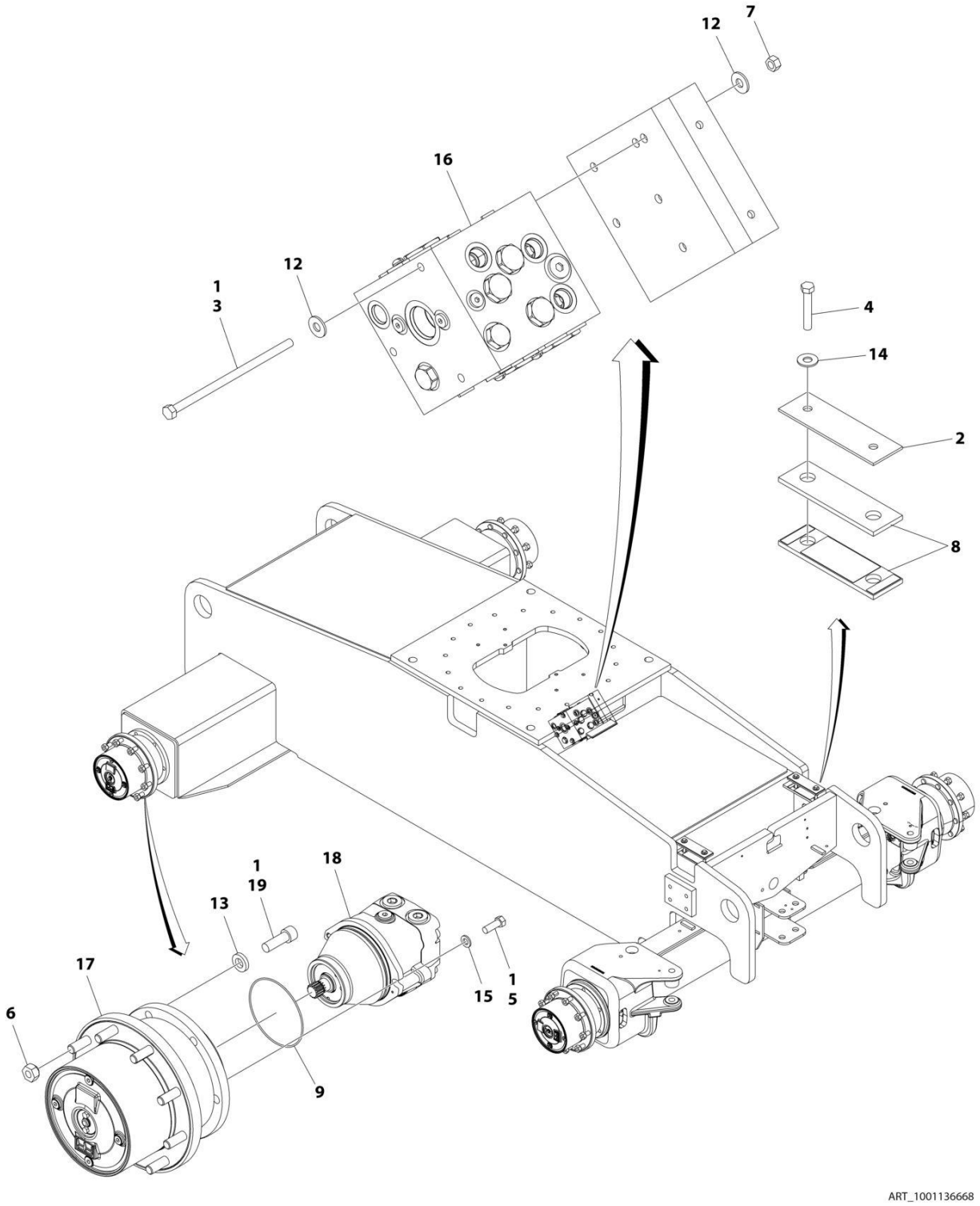


FIGURE 1-5. WHEEL DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001136668	Ref	WHEEL DRIVE INSTALLATION - 4WD/2WS	H
1	0100011	AR	Compound, Locking	
2	0363012	2	Clamp	
3	0641552	3	Bolt 5/16 x 6-1/2	
4	0641618	4	Bolt 3/8 x 2-1/4	
5	0681710	4	Bolt 7/16 x 1-1/4 Grade 8	
6	3300106	36	Nut, Wheel	
7	3311505	3	Nut 5/16	
8	3340911	4	Rubber, Clamp	
9	3790158	4	O-Ring	
12	4751500	4	Washer 5/16	
13	4740393	24	Washer 5/8 Hardened	
14	4751600	4	Washer 3/8	
15	5241000	8	Washer M10 Hardened	
16	1001098503	1	Flow Divider Valve Assembly (See Separate Breakdown in this Section)	
17	1001113984	4	Drive Hub Assembly (See Separate Breakdown in this Section)	
18	1001135600	4	Drive Motor Assembly Options (See Separate Breakdown in this Section)	
19	3932030	24	Capscrew 5/8 x 1-7/8	
22	4060807	AR	Flex Trim (Not Shown)	

FIGURE 1-6. DRIVE MOTOR ASSEMBLY

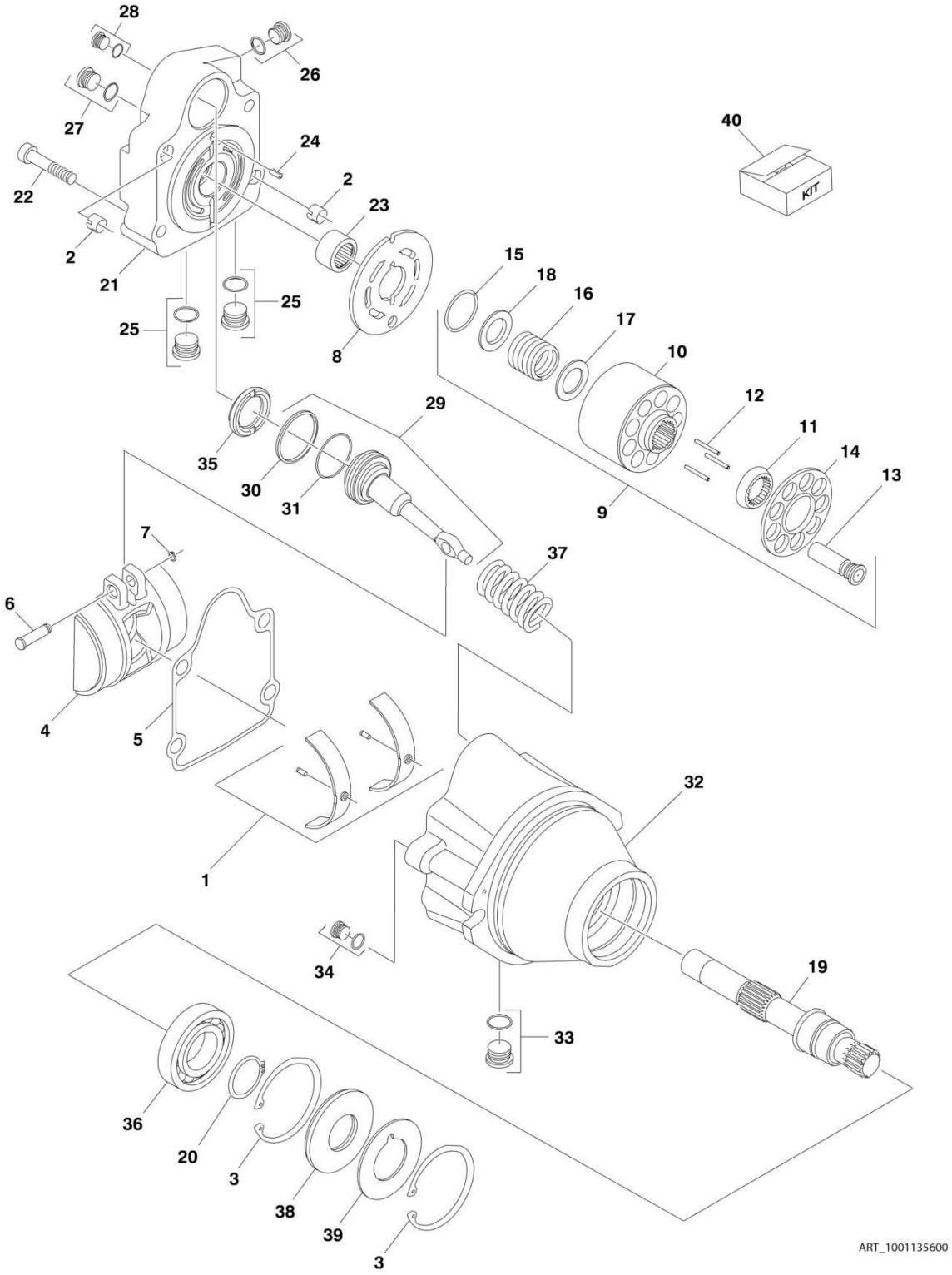


FIGURE 1-6. DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001135600	Ref	DRIVE MOTOR ASSEMBLY	C
1	70000852	1	Swash Plate Bearing Kit	
2	70003628	2	Pin	
3	70007438	2	Ring, Retaining	
4	70000853	1	Swash Plate	
5	See Note	NSS	Gasket (Note: Use Item 40)	
6	70004201	1	Pin	
7	70004202	1	Ring, Retaining	
8	70000854	1	Plate, Valve	
9	7027740	1	Cylinder Block Kit (Includes Items 10-18)	
10	7027740	1	Block, Cylinder	
11	70000854	1	Guide, Slipper Retainer	
12	7021275	3	Pin, Slipper Hold Down	
13	70004203	9	Piston Assembly	
14	70000857	1	Retainer, Slipper	
15	7022311	1	Ring, Retaining	
16	7024867	1	Spring	
17	7024868	1	Washer	
18	7022314	1	Retainer, Spring	
19	70000858	1	Shaft	
20	7007439	1	Ring, Retaining	
21	70004204	1	Cap, End - Axial	
22	7022368	4	Capscrew	
23	7021249	1	Bearing, Needle	
24	7007446	1	Pin	
25	7007419	2	Plug with O-Ring	
25	See Note	NSS	O-Ring (Note: Not Sold Separately - Purchase Item 25 or 40)	
26	7007420	1	Plug with O-Ring	
26	70000862	1	O-Ring (Note: Not Sold Separately - Purchase Item 26 or 40)	
27	7022321	1	Plug with O-Ring	
27	70000862	1	O-Ring (Note: Not Sold Separately - Purchase Item 27 or 40)	
28	7007420	1	Plug with O-Ring	
28	70000862	1	O-Ring (Note: Not Sold Separately - Purchase Item 28 or 40)	
29	70004205	1	Servo - 4WD	
30	See Note	NSS	Ring, Piston (Note: Not Sold Separately - Purchase Item 29 or 40)	
31	See Note	NSS	O-Ring (Note: Not Sold Separately - Purchase Item 29 or 40)	
32	See Note	NSS	Housing (Note: Not Available - Purchase Complete Motor)	
33	7022321	1	Plug with O-Ring	
33	70000862	1	O-Ring (Note: Not Sold Separately - Purchase Item 33 or 40)	
34	70002133	1	Plug with O-Ring	
34	70000862	1	O-Ring (Note: Not Sold Separately - Purchase Item 34 or 40)	
35	70004205	1	Stop (4WD Motor Only)	
36	70002176	1	Bearing	
37	70000861	1	Spring	
38	See Note	NSS	Seal, Lip (Note: Use Item 40)	
39	7022371	1	Washer, Support	
40	70000862	1	Seal Kit (Includes Items 5, 30, 31, 38 and Plug O-Rings)	

FIGURE 1-7. DRIVE HUB ASSEMBLY

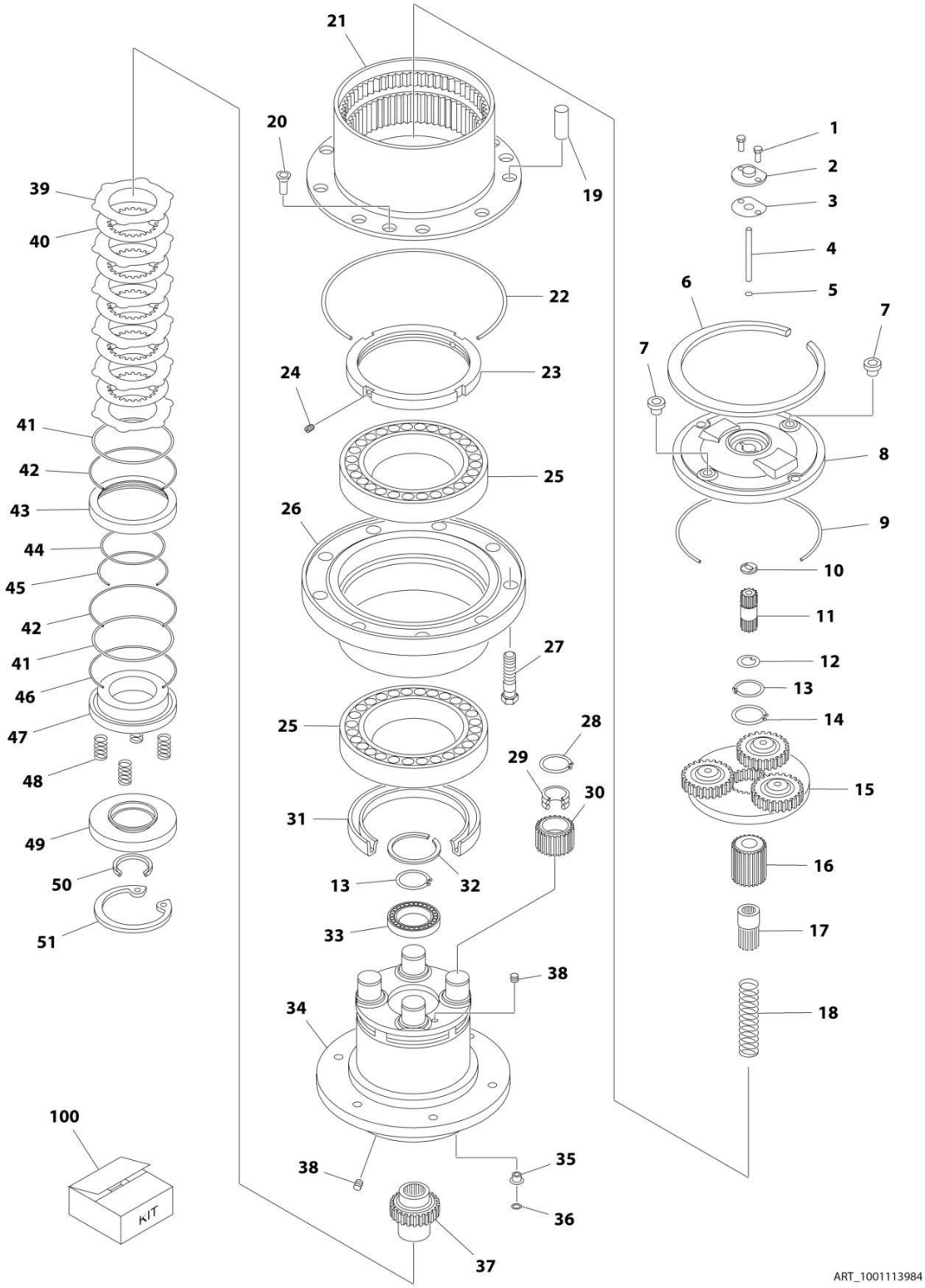


FIGURE 1-7. DRIVE HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001113984	Ref	DRIVE HUB ASSEMBLY	E
1	70004353	2	Screw	
2	70005298	1	Cover, Disengagement	
3	70002201	1	Gasket	
4	70002059	1	Pin, Disengagement	
5	See Note	NSS	O-Ring (Note: Use Item 100)	
6	70005299	1	Ring	
7	70002057	4	Plug	
8	70005300	1	Cover	
9	See Note	NSS	O-Ring (Note: Use Item 100)	
10	70002054	1	Shim	
11	70005301	1	Pinion	
12	70005302	1	Shim	
13	70004355	2	Ring, Outer Retention	
14	70004356	1	Ring, Inner Retention	
15	70005303	1	Reduction Gear Assembly	
16	70005304	1	Pinion	
17	70005305	1	Coupling, Disengagement Half	
18	70005306	1	Spring, Disengagement	
19	70005307	9	Plug	
20	70004361	3	Screw	
21	70005308	1	Ring, Planetary	
22	See Note	NSS	O-Ring (Note: Use Item 100)	
23	70005309	1	Nut, Ring	
24	70004363	2	Screw	
25	70005311	2	Bearing	
26	70004365	1	Support, Hub	
27	70005312	9	Column	
28	70004367	4	Ring, Outer Retention	
29	70005313	4	Bearing	
30	70004369	4	Wheel, Planet	
31	See Note	NSS	Seal, Oil (Note: Use Item 100)	
32	70004370	1	Ring	
33	70004371	1	Bearing	
34	70005314	1	Axle, Stub	
35	70005315	1	Plug	
36	See Note	NSS	O-Ring (Note: Use Item 100)	
37	70005316	1	Shaft, Input	
38	70004447	2	Plug	
39	70002027	6	Disc, Steel	
40	70002026	5	Disc, Sintered	
41	See Note	NSS	Seal (Note: Use Item 100)	
42	See Note	NSS	O-Ring (Note: Use Item 100)	
43	70005317	1	Spacer	
44	See Note	NSS	Seal (Note: Use Item 100)	
45	See Note	NSS	O-Ring (Note: Use Item 100)	
46	See Note	NSS	O-Ring (Note: Use Item 100)	
47	70005318	1	Piston	
48	70002020	6	Spring, Brake	
49	70005319	1	Spacer	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	See Note	NSS	Seal, Oil (Note: Use Item 100)	
51	70005320	1	Ring, Inner Retention	
100	70005321	1	Seal Kit (Includes Items 5, 9, 22, 31, 36, 41, 42, 44, 45, 46 & 50)	

FIGURE 1-8. FLOW DIVIDER ASSEMBLY

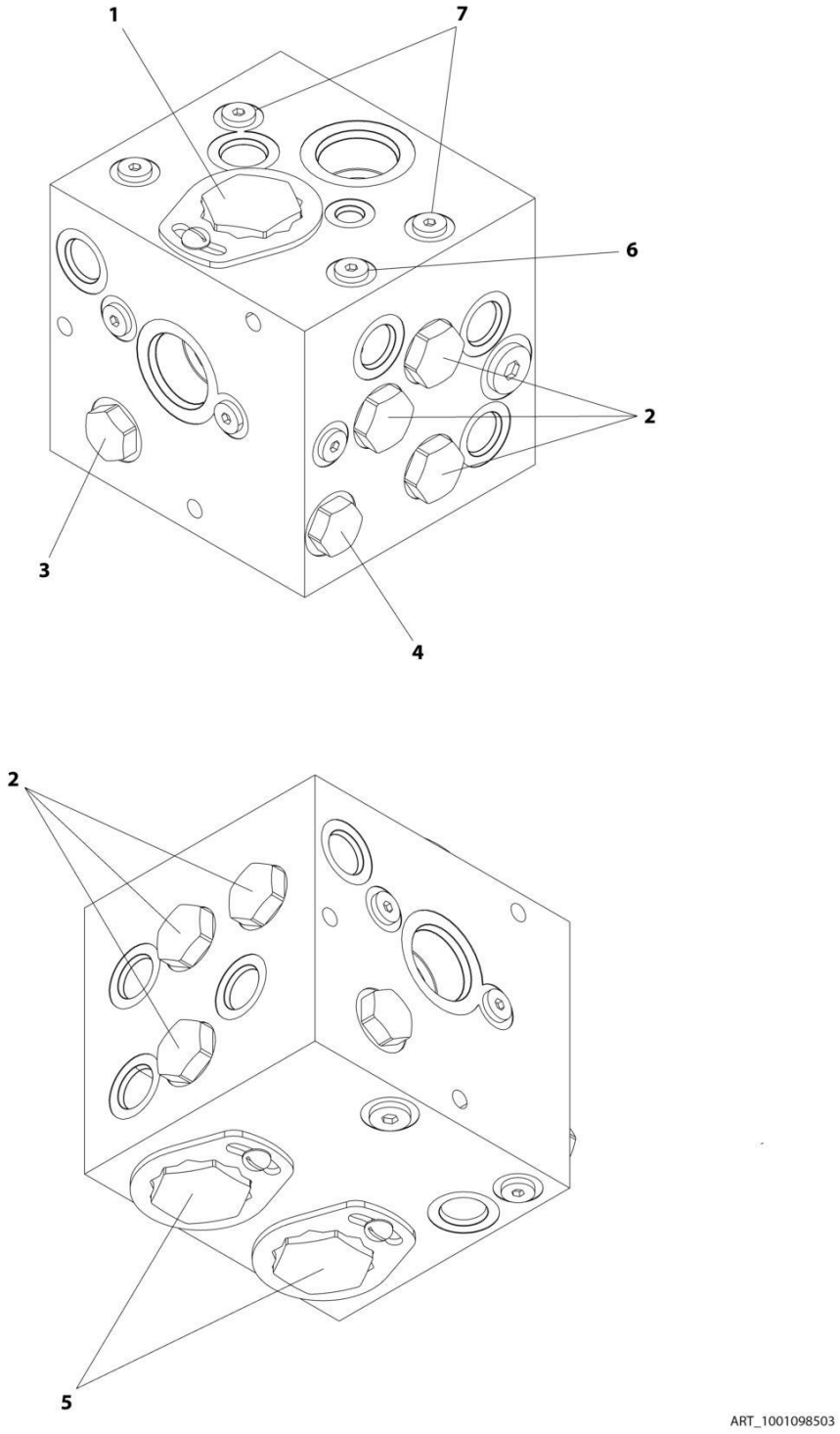


FIGURE 1-8. FLOW DIVIDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098503	Ref	FLOW DIVIDER ASSEMBLY - 4WD	C
1	7023933	1	Valve, Cartridge (Flow Divider)	
1	7021625	1	Seal Kit - Flow Divider Cartridge	
2		Ref	Valve, Cartridge (Check) Options:	
2	7022397	6	Valve p/n 4641410	
2	7022399	6	Seal Kit - Check Cartridge	
2	70003408	6	Valve p/n 1001098503	
2	7022399	6	Seal Kit - Check Cartridge	
3	7023935	1	Valve, Cartridge (Check)	
3	7023936	1	Seal Kit - Check Cartridge	
4	7024892	1	Valve, Cartridge (Check)	
4	7023936	1	Seal Kit - Check Cartridge	
5	7023917	2	Valve, Cartridge (Flow Divider)	
5	7021625	2	Seal Kit - Flow Divider Cartridge	
6	70002063	1	Plug, Orifice	
7	70002064	2	Plug, Orifice	

FIGURE 1-9. TIRE AND WHEEL INSTALLATION - FOAM FILLED

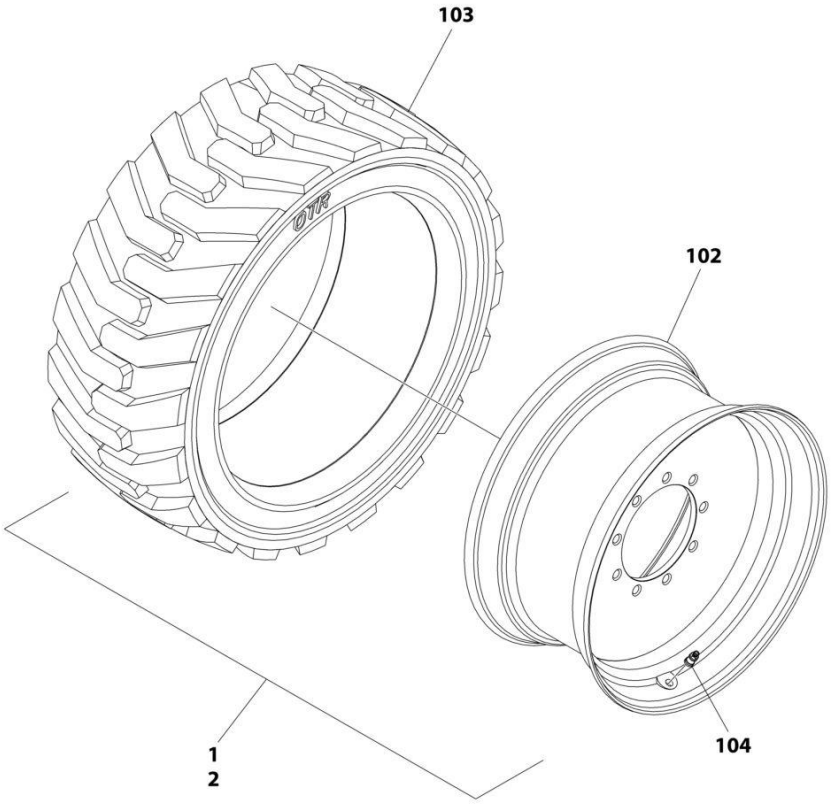


FIGURE 1-9. TIRE AND WHEEL INSTALLATION - FOAM FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4520346	Ref	TIRE AND WHEEL INSTALLATION - FOAM FILLED	C
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.	
		Ref	Note: Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	4520344	2	Tire and Wheel Assembly - Foam-Filled (Left Side)	H
2	4520345	2	Tire and Wheel Assembly - Foam-Filled (Right Side)	H
102	4520287	AR	Rim, Wheel (1 Per Assembly)	
103	4520288	AR	Tire - IN355/55D625 (1 Per Assembly)	
104	4640113	AR	Valve, Air (1 Per Assembly)	

FIGURE 1-10. TIRE AND WHEEL INSTALLATION - FOAM FILLED NON-MARKING

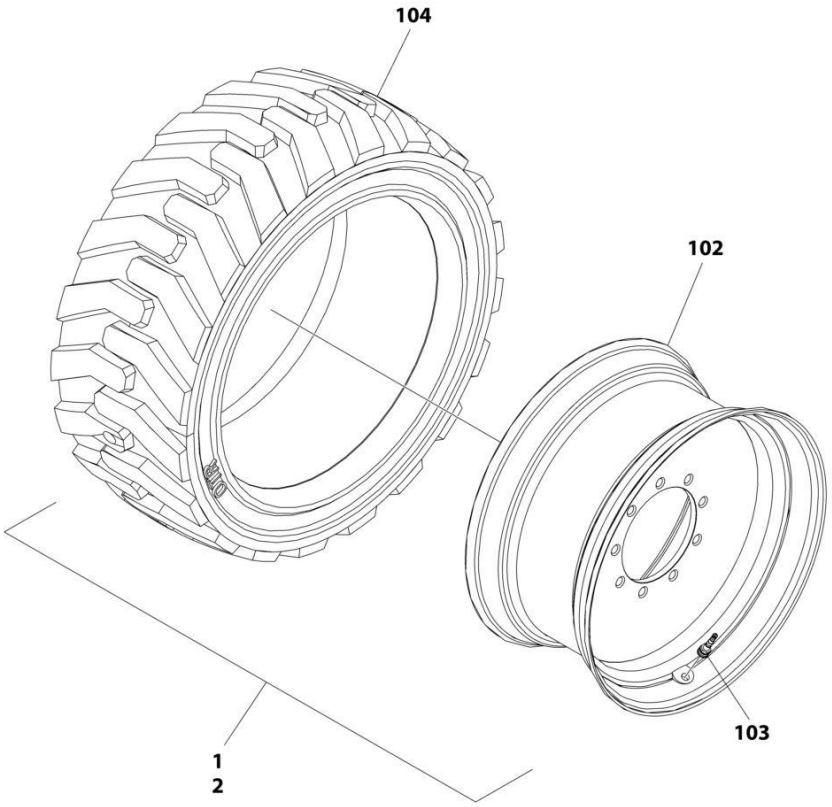


FIGURE 1-10. TIRE AND WHEEL INSTALLATION - FOAM FILLED NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231678	Ref	TIRE AND WHEEL INSTALLATION - FOAM FILLED NON - MARKING	A
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.	
		Ref	Note: Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001231676	2	Tire and Wheel Assembly - Foam-Filled (Left Side)	C
2	1001231677	2	Tire and Wheel Assembly - Foam-Filled (Right Side)	B
102	4520287	AR	Rim, Wheel (1 Per Assembly)	
103	4641122	AR	Valve, Air (1 Per Assembly)	
104	1001184881	AR	Tire - IN355/55D625 (1 Per Assembly)	

FIGURE 1-11. TIRE AND WHEEL INSTALLATION - FOAM FILLED (TURF)

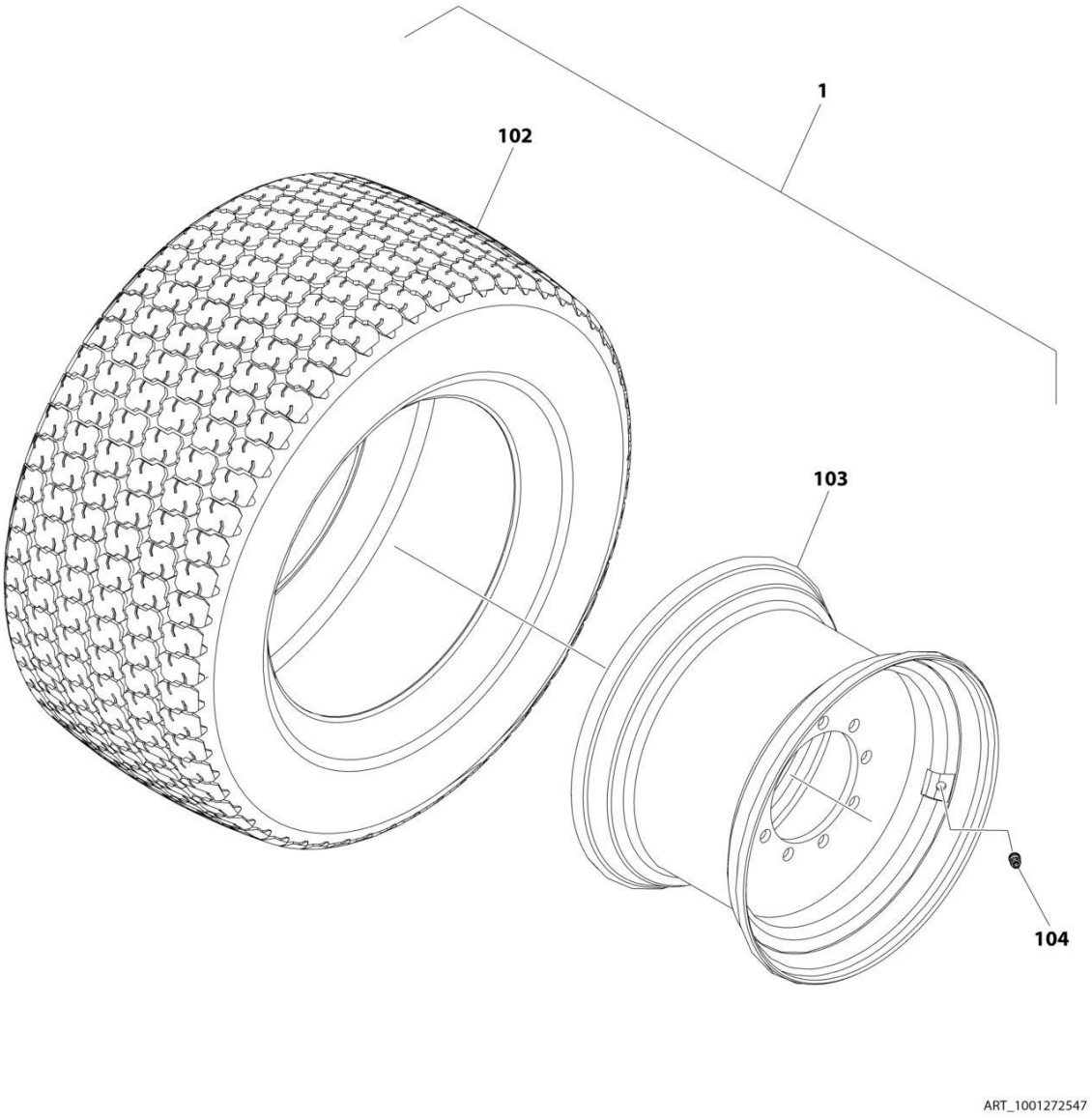


FIGURE 1-11. TIRE AND WHEEL INSTALLATION - FOAM FILLED (TURF)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272547	Ref	TIRE AND WHEEL INSTALLATION - TURF	A
1	1001272546	4	Tire and Wheel Assembly	
102	4520256	1	Tire, 41/18LL x 22.5	
103	4520672	1	Wheel, Sand Tire 22.5 x 14	
104	4640113	1	Valve, Tire	

FIGURE 1-12. FRAME SHIELDS INSTALLATION – 2WS (8FT/2.4M WIDE MACHINES)

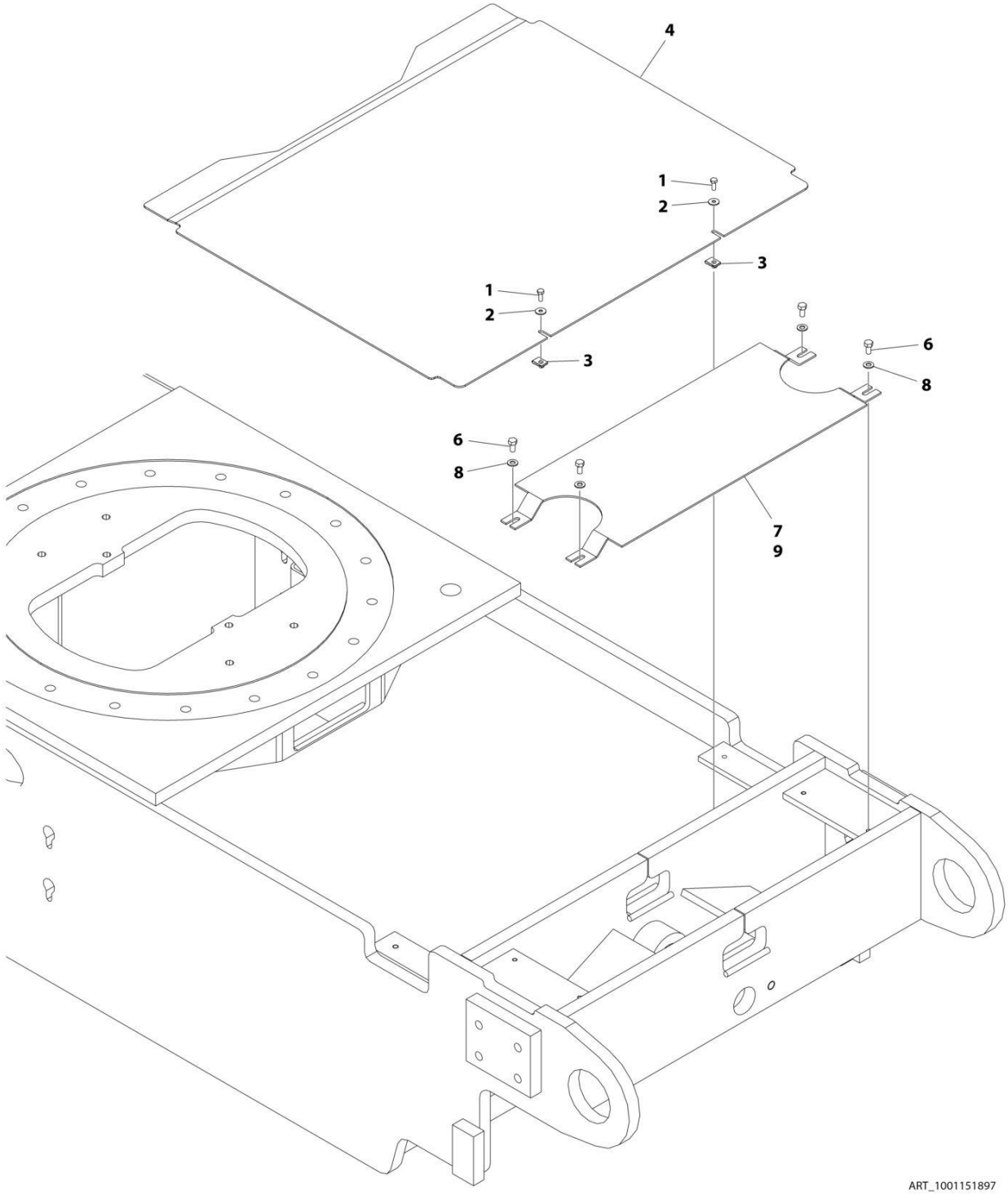


FIGURE 1-12. FRAME SHIELDS INSTALLATION – 2WS (8FT/2.4M WIDE MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151897	Ref	FRAME SHIELDS INSTALLATION	C
1	0760608	2	Bolt M6 x 16	
2	4811702	2	Washer M6	
3	1001130220	2	Nut, Tinnerman M6	
4	1001151584	1	Shield, Frame - Front	
6	0641505	4	Bolt 5/16 x 5/8	
7	4060804	1	Flex-Trim	
8	4711500	4	Washer 5/16	
9	1001161761	1	Shield, Frame - Rear	

FIGURE 1-13. TOW PACKAGE INSTALLATION (ANSI SPECS) (OPTIONAL)

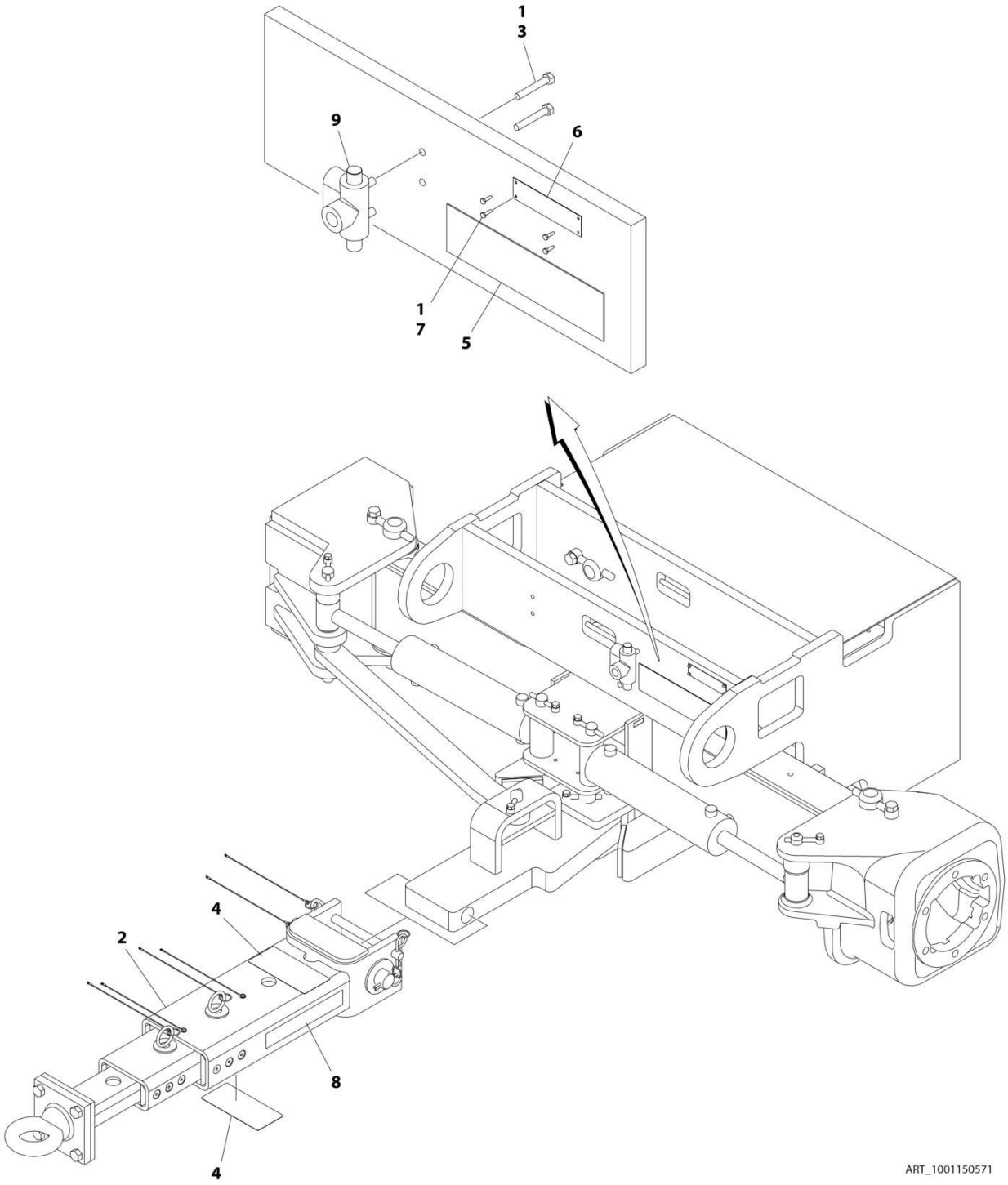


FIGURE 1-13. TOW PACKAGE INSTALLATION (ANSI SPECS) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150571	Ref	TOW BAR INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0270528	1	Tow Bar Assembly (See Separate Breakdown in this Section)	
3	0641516	2	Bolt 5/16 x 2	
4	1704578	2	Decal - Crushing	
5	1705090	1	Decal - Towing Instruction	
6	3250872	1	Nameplate - Steer/Tow Select	
7	3940604	4	Screw #6 x 1/2	
8	4420051	AR	Tape, Safety	
9	4640261	1	Valve, Float Position	

FIGURE 1-14. TOW PACKAGE INSTALLATION (CSA SPECS) (OPTIONAL)

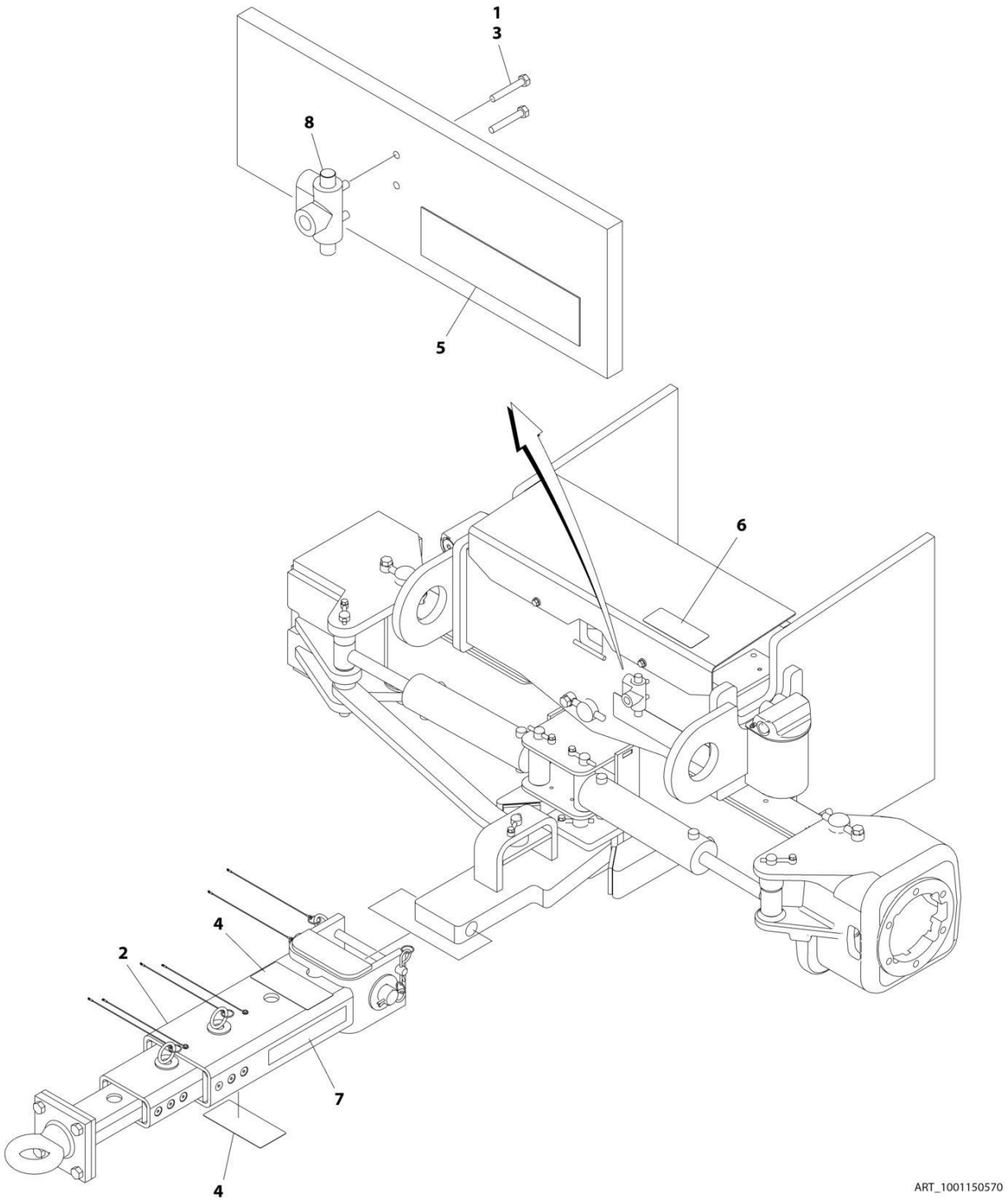


FIGURE 1-14. TOW PACKAGE INSTALLATION (CSA SPECS) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150570	Ref	TOW BAR INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0270528	1	Tow Bar Assembly (See Separate Breakdown in this Section)	
3	0641516	2	Bolt 5/16 x 2	
4	1706593	2	Decal - Crushing	
5	1705820	1	Decal - Towing Instruction	
6	1704272	1	Nameplate - Steer/Tow Select	
7	4420051	AR	Tape, Safety	
8	4640261	1	Valve, Float Position	

FIGURE 1-15. TOW PACKAGE INSTALLATION (CE, RUSSIAN & UK CA SPECS) (OPTIONAL)

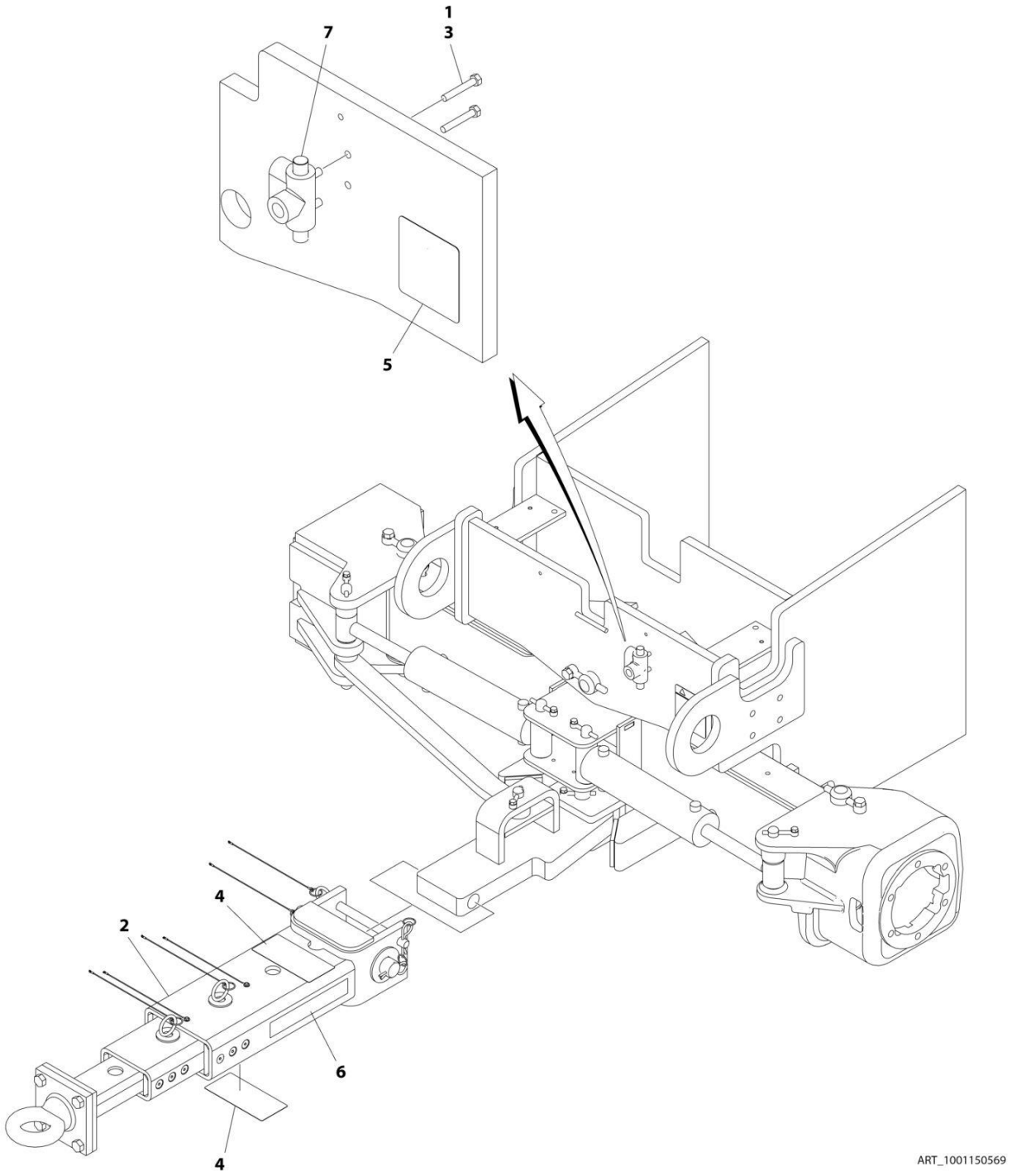


FIGURE 1-15. TOW PACKAGE INSTALLATION (CE, RUSSIAN & UK CA SPECS) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150569	Ref	TOW BAR INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0270528	1	Tow Bar Assembly (See Separate Breakdown in this Section)	
3	0641516	2	Bolt 5/16 x 2	
4	1706960	2	Decal - Crushing	
5	1706957	1	Decal - Towing Instruction	
6	4420051	AR	Tape, Safety	
7	4640261	1	Valve, Float Position	

FIGURE 1-16. TOW BAR ASSEMBLY

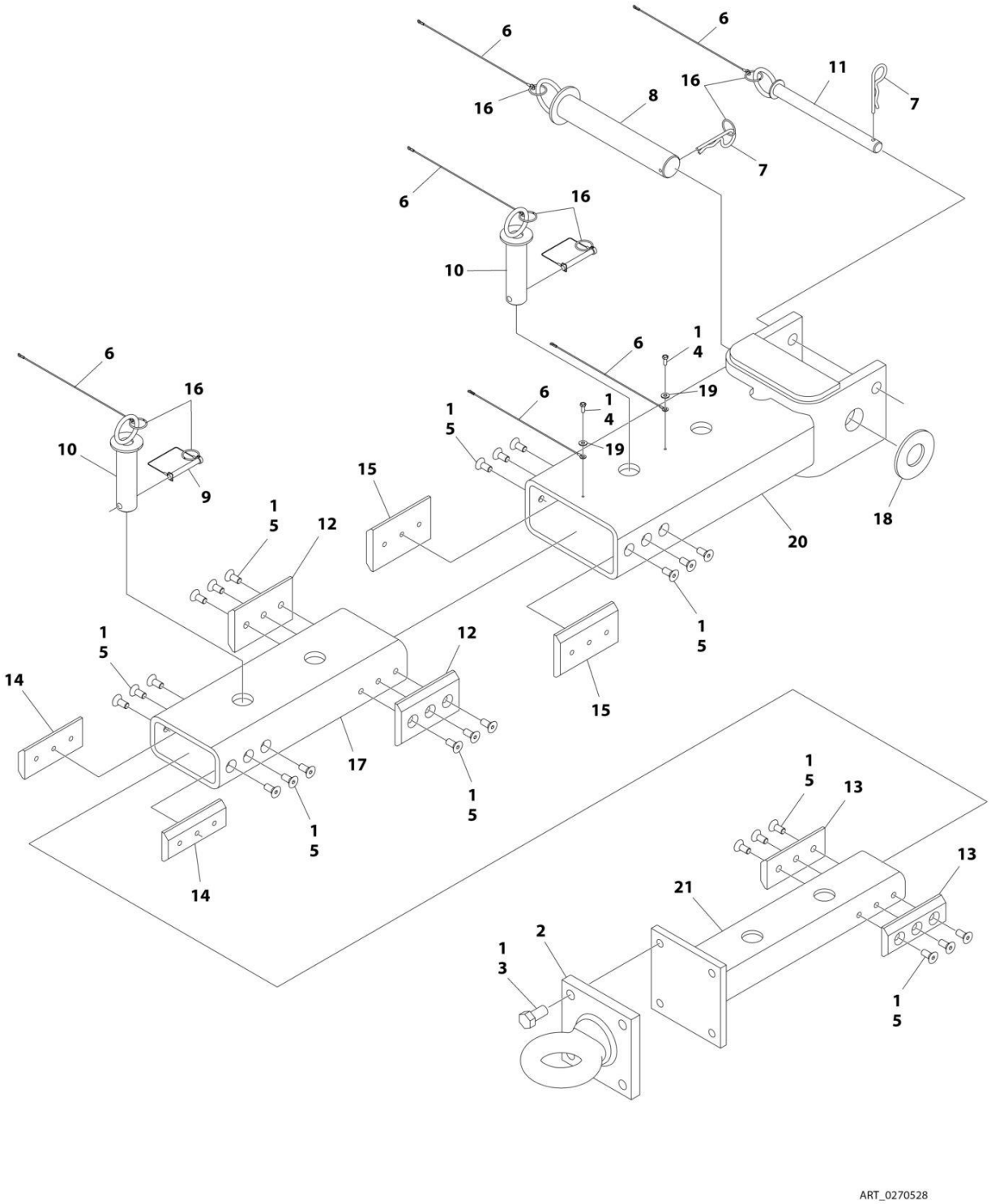


FIGURE 1-16. TOW BAR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270528	Ref	TOW BAR ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0362910	1	Pintle, Draw Eye	
3	0642010	4	Bolt 5/8 x 1-1/4	
4	0721004	2	Screw, Hex Machine	
5	0741607	24	Screw, Countersunk 3/8 x 7/8	
6	1060584	6	Cable, Lanyard	
7	3420372	2	Pin, Cotter	
8	3420447	1	Pin, Towing	
9	3421565	2	Pin, Snap	
10	3422841	2	Pin	
11	3422847	1	Pin	
12	3572009	2	Plate, Slide Stop	
13	3572010	2	Plate, Slide Stop	
14	3572011	2	Plate, Slide Stop	
15	3572012	2	Plate, Slide Stop	
16	3760170	8	Ring, Split	
17	4568133	1	Tube, Tow Bar	
18	4740036	1	Washer	
19	4751000	2	Washer #10	
20	4846295	1	Tow Bar Attach Weldment	
21	4846296	1	Pintle Attach Weldment	

FIGURE 1-17. LP TANKS INSTALLATION

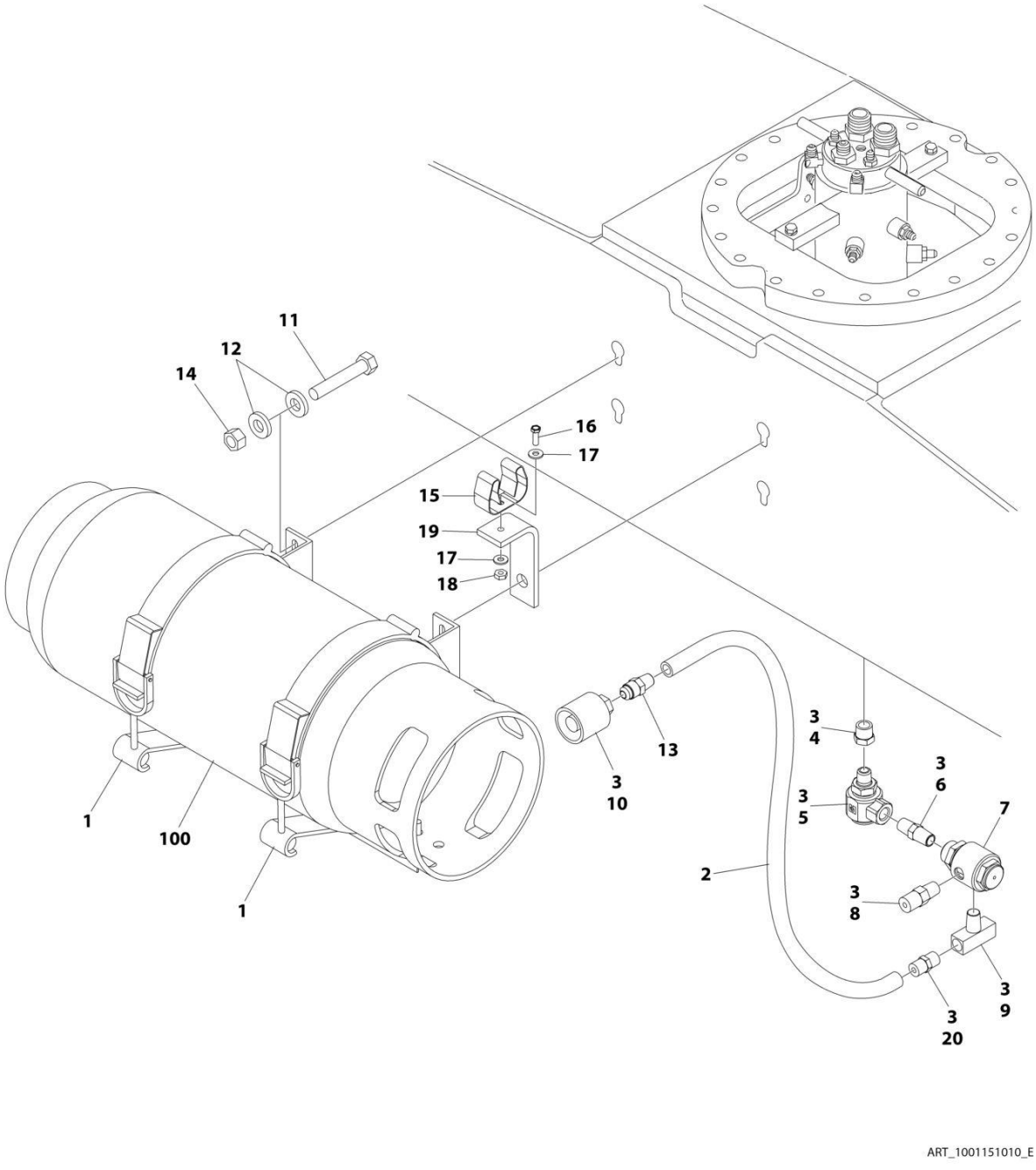


FIGURE 1-17. LP TANKS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151010	Ref	LP TANK BRACKETS INSTALLATION	E
1	1320220	2	Clamp	
1	1320127	2	Clamp, Toggle (1 Per Clamp)	
2	2720144	2	Hose	
3	0100020	AR	Sealant, Pipe	
4	2221197	1	Fitting, Reducer	
5	1001247358	1	Fitting, 90 Swivel	
6	2220261	1	Fitting, Nipple	
7	2180388	1	Fitting, Bulkhead	
8	2180389	1	Valve, Relief	
9	2220418	1	Fitting, Tee	
10	2180387	2	Fitting, Straight	
11	0641617	8	Bolt 3/8 x 2-1/8	
12	4751600	16	Washer 3/8	
13	2180418	2	Fitting, Connector	
14	3311605	8	Nut 3/8	
15	1320218	2	Clamp, Spring	
16	0720804	2	Screw #8 x 1/2	
17	4750800	4	Washer #8	
18	3310805	2	Nut #8	
19	0181949	2	Angle, Support	
20	2221024	2	Fitting, Union Ball Check	
100	4400275	1	Tank, LP - 43.5 Lbs. (Aluminum)	
100	4400420	1	Tank, LP - 43.5 Lbs. (Steel)	

SECTION 2 - TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATION - DEUTZ D2011 ENGINES

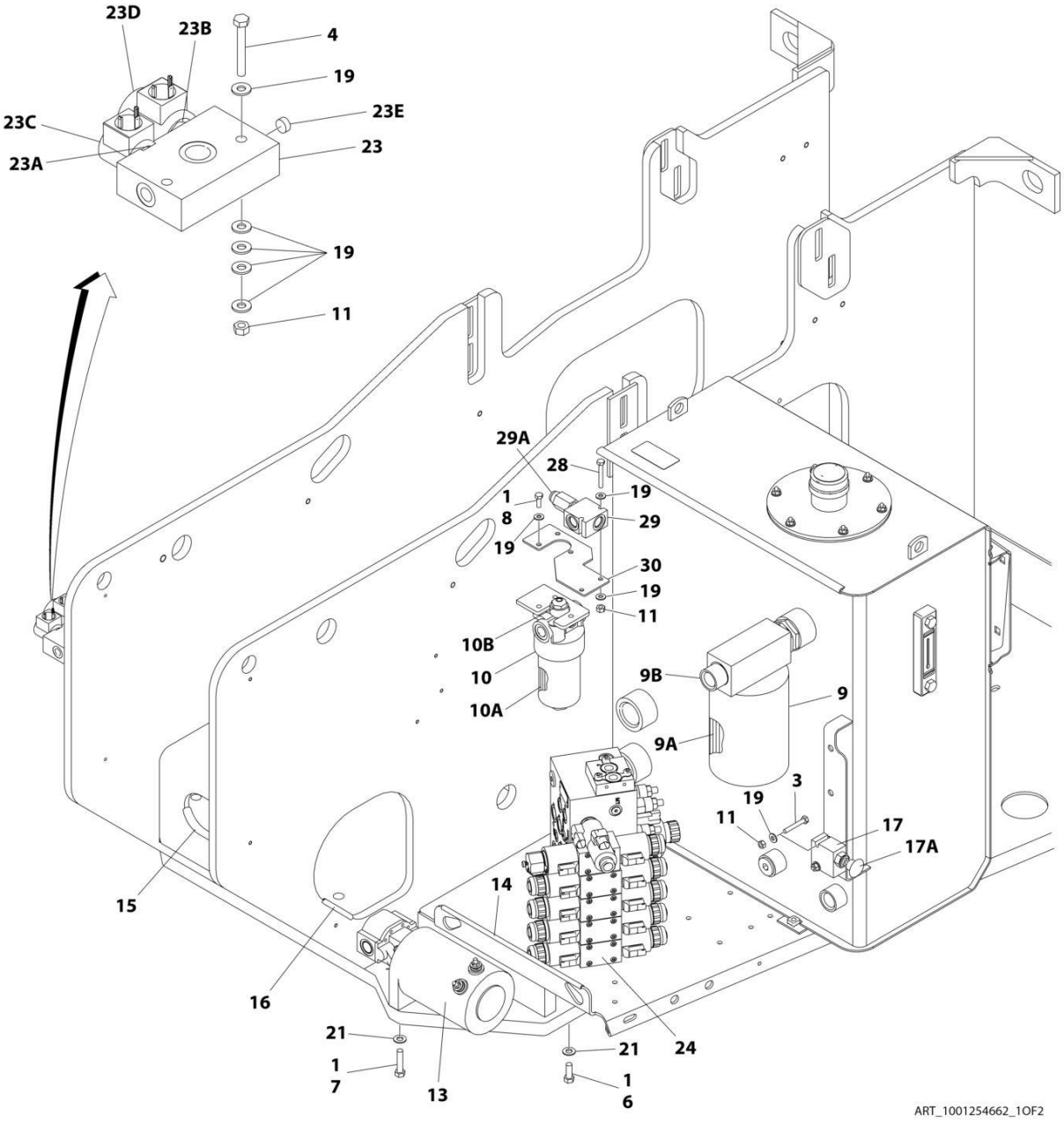


FIGURE 2-1. CONTROL VALVES INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254662	Ref	CONTROL VALVES INSTALLATION	B
1	0100011	AR	Compound, Locking	
3	0641414	2	Bolt 1/4 x 1-3/4	
4	0641416	2	Bolt 1/4 x 2	
6	0641608	3	Bolt 3/8 x 1	
7	0641613	2	Bolt 3/8 x 1-5/8	
8	0651406	3	Bolt 1/4 x 3/4	
9	2120164	1	Return Filter Assembly	B
9A	2120149	1	Element, Filter	
9B	7020021	1	Manual Indicator	
10	2120209	1	Hydraulic Pressure Filter Assembly	
10A	2120210	1	Element, Filter	
10B	7020020	1	Manual Indicator	
10C	70000934	1	O-Ring, Filter Bowl (Not Shown)	
11	3311405	8	Nut 1/4	
13	3600365	1	Auxiliary Pump Assembly (See Separate Breakdown in this Section)	
14	4060804	AR	Trim-Loc 3/16	
15	4060807	AR	Trim-Loc 3/8	
16	4060918	AR	Trim-Loc 5/8	
17	4640866	1	Manual Pull Valve Assembly	
17	2900708	1	Seal Kit - 4640866 Valve	
17A	7012959	1	Knob	
19	4711400	25	Washer 1/4	
21	4711600	5	Washer 3/8	
23	1001099391	1	Brake/Selector Valve Assembly	
23A	7012941	1	Cartridge without Coil	
23A	7010543	1	Seal Kit - 7012941 Cartridge	
23B	7012995	1	Cartridge without Coil	
23B	7012518	1	Seal Kit - 7012995 Cartridge	
23C	7012944	1	Coil	
23D	7012943	1	Coil	
23E	70002209	1	Orifice	
25	1001152887	1	Main Valve Block Assembly - 2WS (See Separate Breakdown in this Section)	
28	0641415	2	Capscrew 1/4 x 1-7/8	
29	1001271534	1	Valve, Direct Acting Relief.	
29A	70007677	1	Cartridge	
29A	7017496	1	Seal Kit	
30	1001271582	1	Mount	

FIGURE 2-2. CONTROL VALVES INSTALLATION - DEUTZ DT2.9L4, DEUTZ TD2.2L3 STAGE V & FORD ENGINES

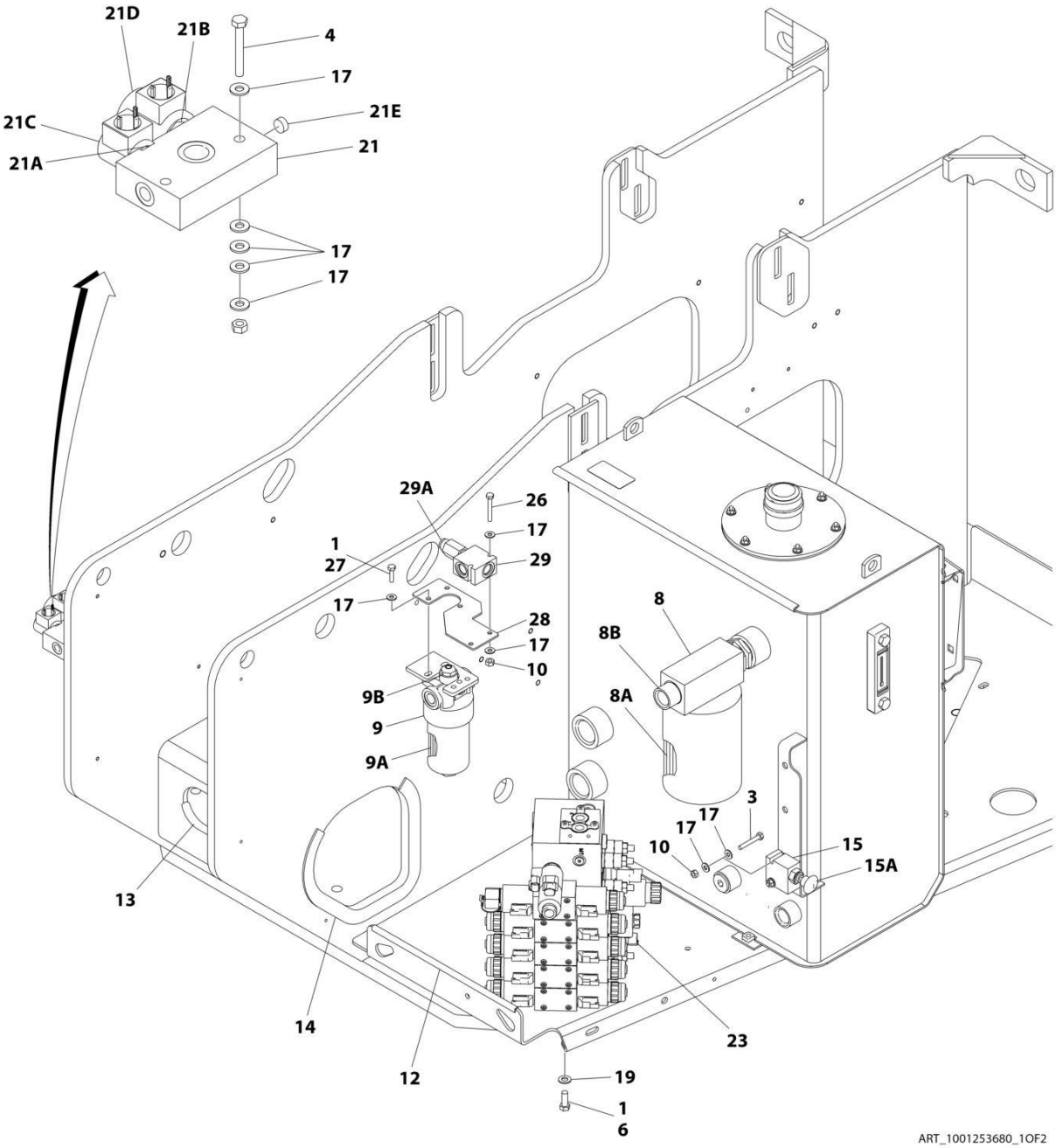


FIGURE 2-2. CONTROL VALVES INSTALLATION - DEUTZ DT2.9L4, DEUTZ TD2.2L3 STAGE V & FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253680	Ref	CONTROL VALVES INSTALLATION	B
1	0100011	AR	Compound, Locking	
3	0641414	2	Bolt 1/4 x 1-3/4	
4	0641416	2	Bolt 1/4 x 2	
6	0641608	3	Bolt 3/8 x 1	
8	2120164	1	Return Filter Assembly	B
8A	2120149	1	Element, Filter	
8B	7020021	1	Manual Indicator	
9	2120209	1	Hydraulic Pressure Filter Assembly	
9A	2120210	1	Element, Filter	
9B	7020020	1	Manual Indicator	
9C	70000934	1	O-Ring, Filter Bowl (Not Shown)	
10	3311405	6	Nut 1/4	
12	4060804	AR	Trim-Loc 3/16	
13	4060807	AR	Trim-Loc 3/8	
14	4060918	AR	Trim-Loc 5/8	
15	4640866	1	Manual Pull Valve Assembly	
15	2900708	1	Seal Kit - 4640866 Valve	
15A	7012959	1	Knob	
17	4711400	25	Washer 1/4	
19	4711600	3	Washer 3/8	
21	1001099391	1	Brake/Selector Valve Assembly	
21A	7012941	1	Cartridge without Coil	
21A	7010543	1	Seal Kit - 7012941 Cartridge	
21B	7012995	1	Cartridge without Coil	
21B	7012518	1	Seal Kit - 7012995 Cartridge	
21C	7012944	1	Coil	
21D	7012943	1	Coil	
21E	70002209	1	Orifice	
23	1001152887	1	Main Valve Block Assembly - 2WS (See Separate Breakdown in this Section)	
26	0641415	2	Capscrew 1/4 x 1-7/8	
27	0651408	3	Capscrew 1/4 x 1	
28	1001271582	1	Mount	
29	1001271534	1	Valve, Direct Acting Relief	
29A	70007677	1	Cartridge	
29A	7017496	1	Seal Kit	

FIGURE 2-3. MAIN VALVE BLOCK ASSEMBLY – 2WS

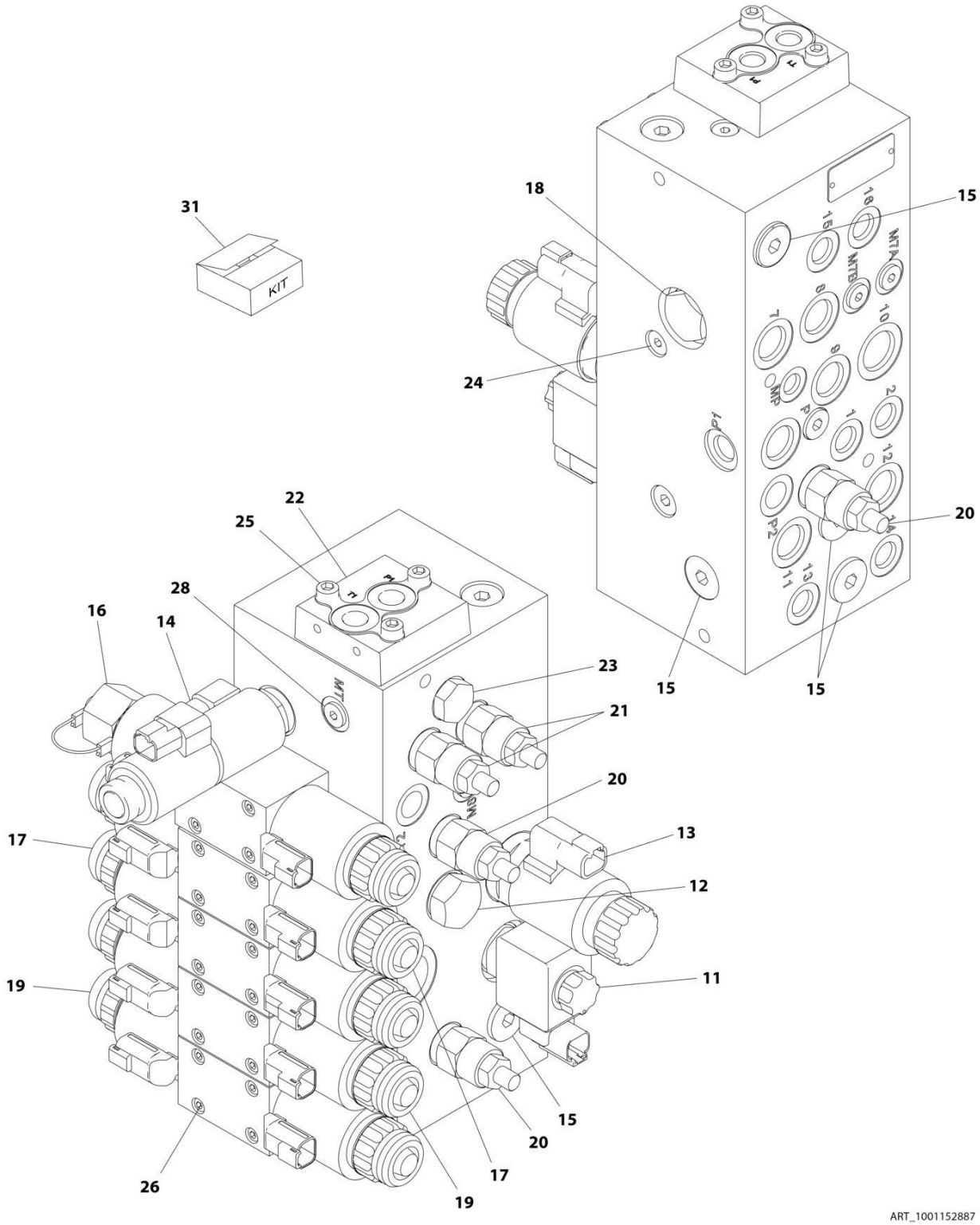


FIGURE 2-3. MAIN VALVE BLOCK ASSEMBLY – 2WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152887	Ref	MAIN VALVE BLOCK ASSEMBLY - 2WS	F
11	70004652	1	Valve, Cartridge Less Coil (Dump)	
11	70023867	1	Seal kit - 70004652 Valve	
11	70004653	1	Coil	
11	70004654	1	Nut, Coil	
12	70004655	1	Valve, Cartridge	
12	70004656	1	Seal Kit - 70004655 Valve	
13	70004657	1	Valve, Cartridge Less Coil	
13	70004594	1	Seal Kit - 70004657 Valve	
13	70004595	1	Coil	
13	70004597	1	Nut, Coil	
13	70004596	1	O-Ring, Pole Tube	
14	70004659	1	Valve, Cartridge Less Coil (Steer)	
14	70004660	1	Seal - Kit - 70004659 Valve	
14	80434249	2	Coil	
14	70004661	1	Nut, Coil	
14	70024457	1	O-Ring, Pole Tube (Upper)	
14	70004662	1	O-Ring, Pole Tube (Lower)	
15	70023859	5	Valve, Cartridge	
16	70004663	1	Valve Assembly (Lower Lift)	
16	7012773	1	Seal Kit - 70004663 Valve	
16	70004660	2	Coil	
16	7021375	1	Nut, Coil (Plastic)	
16	70004661	2	O-Ring, Pole Tube	
16	70003525	1	Not, Coil (Aluminum)	
16	70004664	1	Lanyard	
17	70004459	2	Valve Assembly (Upper Tele and Lower Tele)	
17	7012773	1	Seal Kit - 70004459 Valve	
17	70004460	2	Coil	
17	7021375	2	Nut, Coil	
17	70004661	2	O-Ring, Pole Tube	
18	70004665	1	Valve, Cartridge	
18	70023862	1	Seal Kit - 70004665 Valve	
19	70004666	2	Valve Assembly (Swing and Upper Lift)	
19	7012773	1	Seal Kit - 70004666 Valve	
19	70004463	2	Coil	
19	7021375	2	Nut, Coil	
19	70004461	2	O-Ring, Pole Tube	
20	70003019	3	Valve, Cartridge	
20	70004052	3	Seal Kit - 70003019	
21	70003019	2	Valve, Cartridge	
21	70004052	2	Seal Kit - 70003019 Valve	
22	70004667	1	Cover	
23	2220886	1	Plug	
24	70004668	1	Plug	
25	70005201	3	Capscrew	
26	7018942	20	Capscrew	
27	70005202	2	O-Ring (Not Shown - Located under Item 22)	
28	70002758	6	Plug 7/16	
29	70004617	4	Plug 9/16 (Not Shown)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
30	70002759	1	Plug 3/4 (Not Shown - Located under Item 73)	
31	70005232	1	Bolt Kit	

FIGURE 2-4. AUXILIARY PUMP INSTALLATION

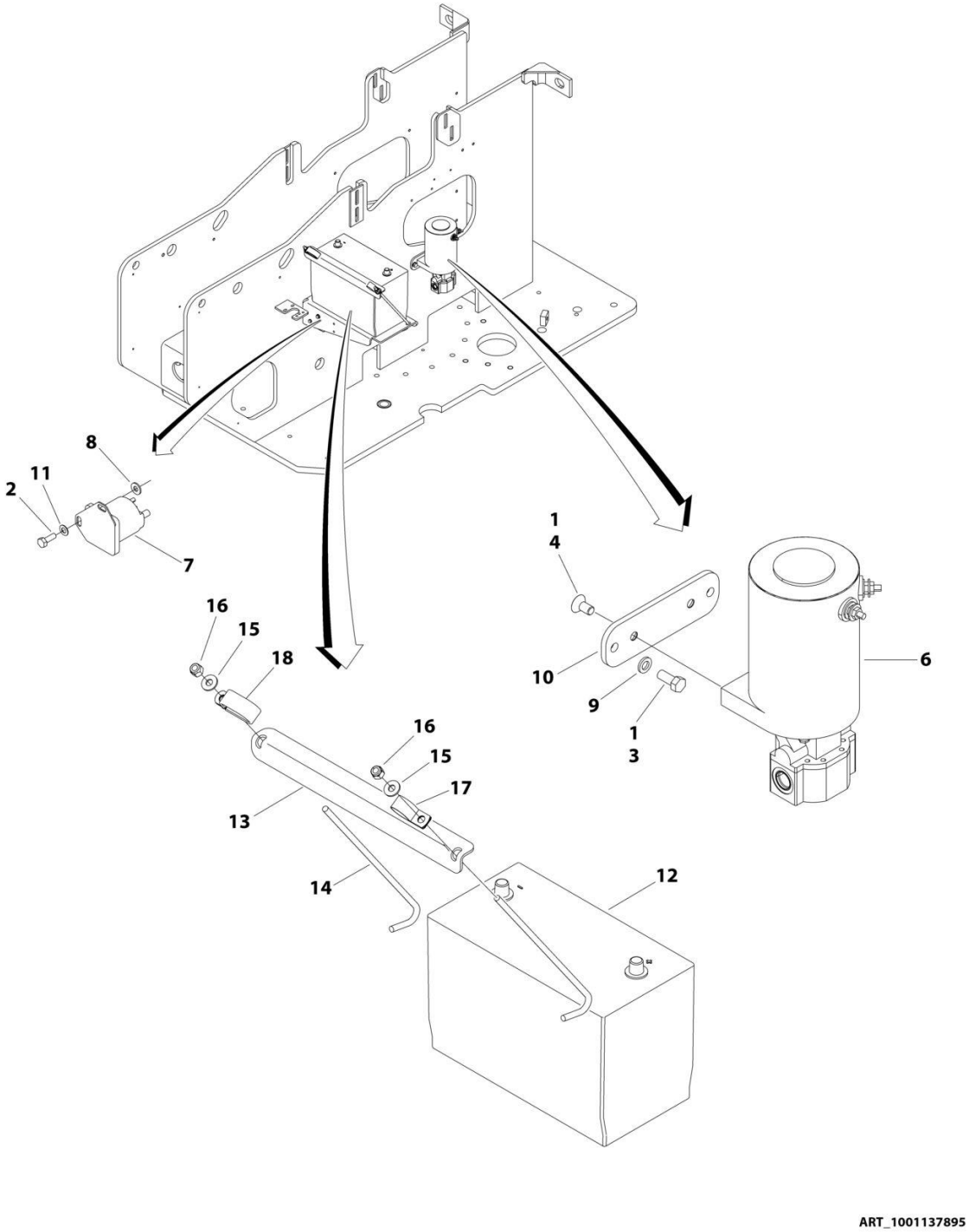


FIGURE 2-4. AUXILIARY PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137895	Ref	AUXILIARY PUMP INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0641406	2	Bolt 1/4 x 3/4	
3	0641607	2	Bolt 3/8 x 7/8	
4	0741606	2	Screw, Countersunk 1/4 x 3/4	
5	3311405	2	Nut 1/4	
6	3600365	1	Auxiliary Pump Assembly (See Separate Breakdown in this Section)	
7	3740067	1	Relay	
8	4711400	3	Washer 1/4	
9	4761600	2	Washer 3/8	
10	1001144041	1	Plate	
11	4791400	1	Washer 1/4	
12	0400075	1	Battery	
13	91401281	1	Bracket	
14	1001093382	2	Bolt, J Bolt	
15	4751500	2	Washer 5/16	
16	88521205	2	Nut 5/16	
17	8406201	1	Clip	
18	1321716	1	Clamp	

FIGURE 2-5. AUXILIARY PUMP INSTALLATION WITH BATTERY DISCONNECT

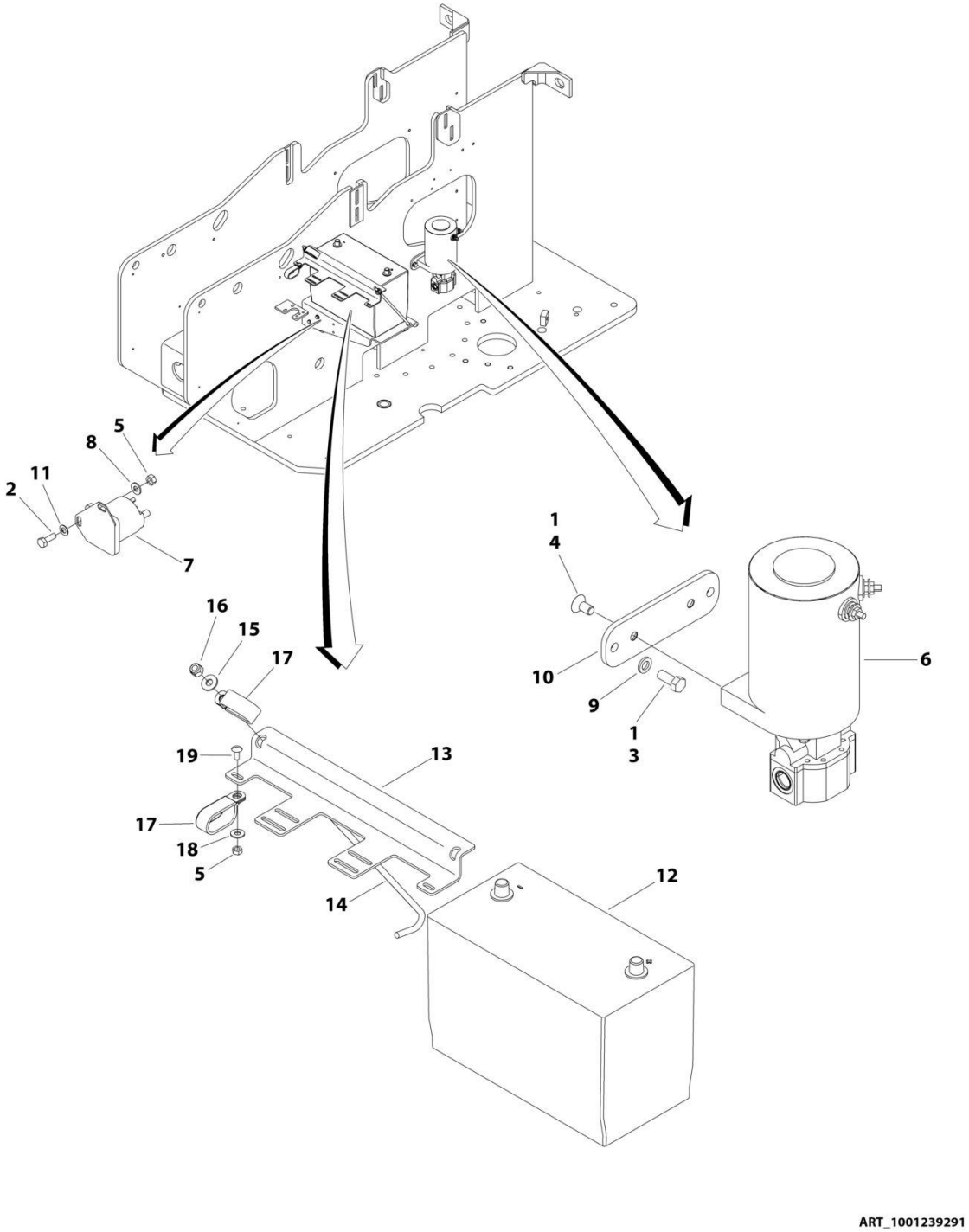


FIGURE 2-5. AUXILIARY PUMP INSTALLATION WITH BATTERY DISCONNECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239291	Ref	AUXILIARY PUMP WITH BATTERY DISCONNECT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641406	2	Bolt 1/4 x 3/4	
3	0641607	2	Bolt 3/8 x 7/8	
4	0741606	2	Screw, Countersunk 1/4 x 3/4	
5	3311405	3	Nut 1/4	
6	3600365	1	Auxiliary Pump Assembly (See Separate Breakdown in this Section)	
7	3740067	1	Relay	
8	4711400	3	Washer 1/4	
9	4761600	2	Washer 3/8	
10	1001144041	1	Plate	
11	4791400	1	Washer 1/4	
12	0400075	1	Battery	
13	1001236303	1	Plate	
14	1001093382	2	Bolt, J Bolt	
15	4751500	2	Washer 5/16	
16	88521205	2	Nut 5/16	
17	1321716	1	Clamp	
18	4751400	1	Washer 1/4	
19	88411013	1	Bolt 1/4 x 3/4	

FIGURE 2-6. AUXILIARY PUMP ASSEMBLY

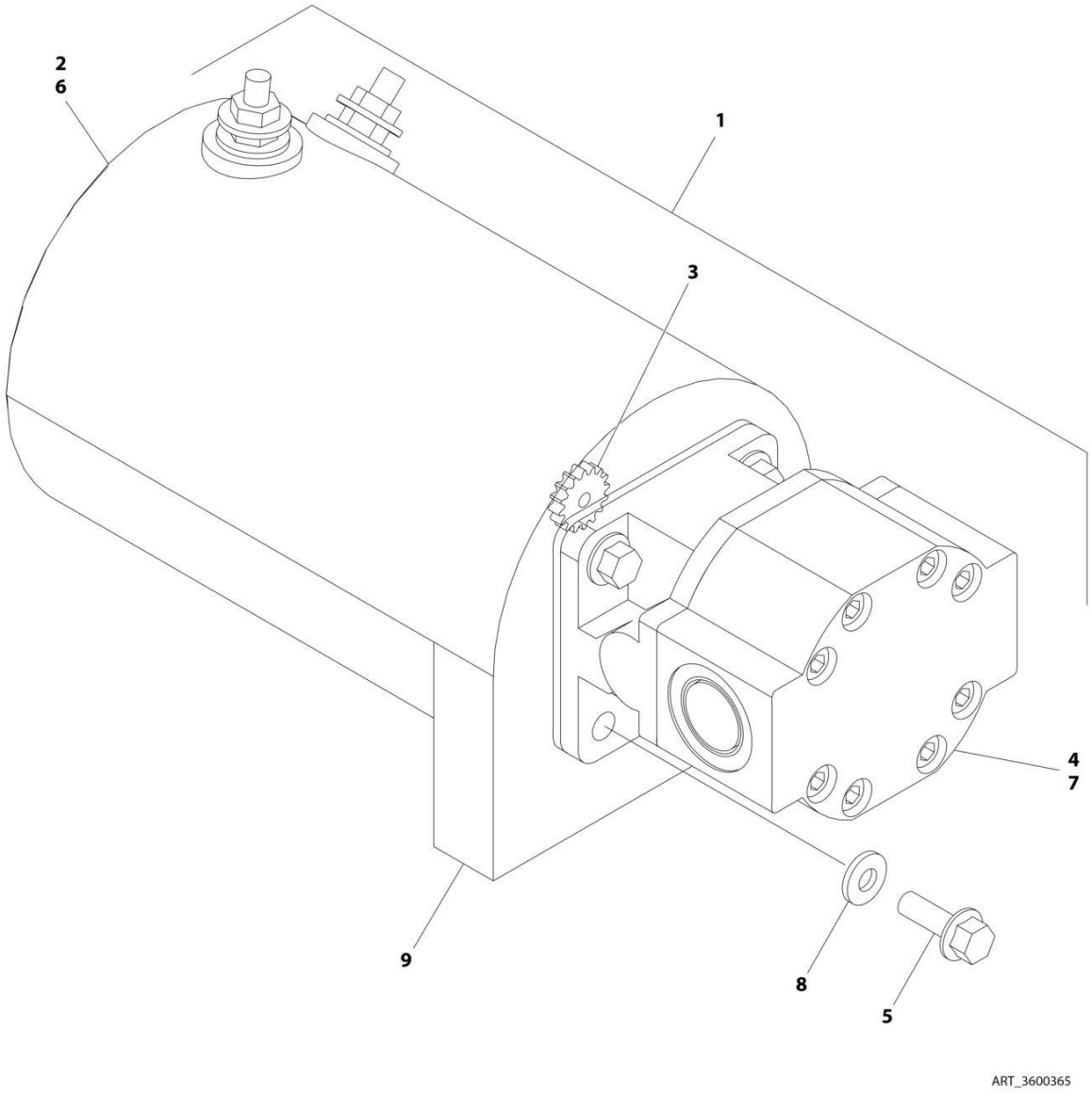


FIGURE 2-6. AUXILIARY PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	3600365	Ref	AUXILIARY PUMP ASSEMBLY	B
2	7004290	1	Replacement Motor with Endhead Item 15H (was p/n 7011067)	
2	7004248	1	Replacement Motor without Endhead Item 15H	
2	7011065	1	Brush Kit - 7011067 Motor	
3	7011063	1	Coupling	
4	7011064	1	Replacement Pump	
4	7011066	1	Seal Kit - 7011064 Pump	
4	7004290	1	Relief Valve (Note: Not Available - Replace Complete Pump)	
5	7011043	4	Bolt (Mounts Pump to Mounting Bracket)	
6	See Note	2	Bolt (Motor to Bracket) (Note: Not Available for Purchase)	
7	7011044	1	Gasket	
8	7011048	4	Washer	
9	7011062	4	Endhead, Motor	

FIGURE 2-7. SWING DRIVE INSTALLATION

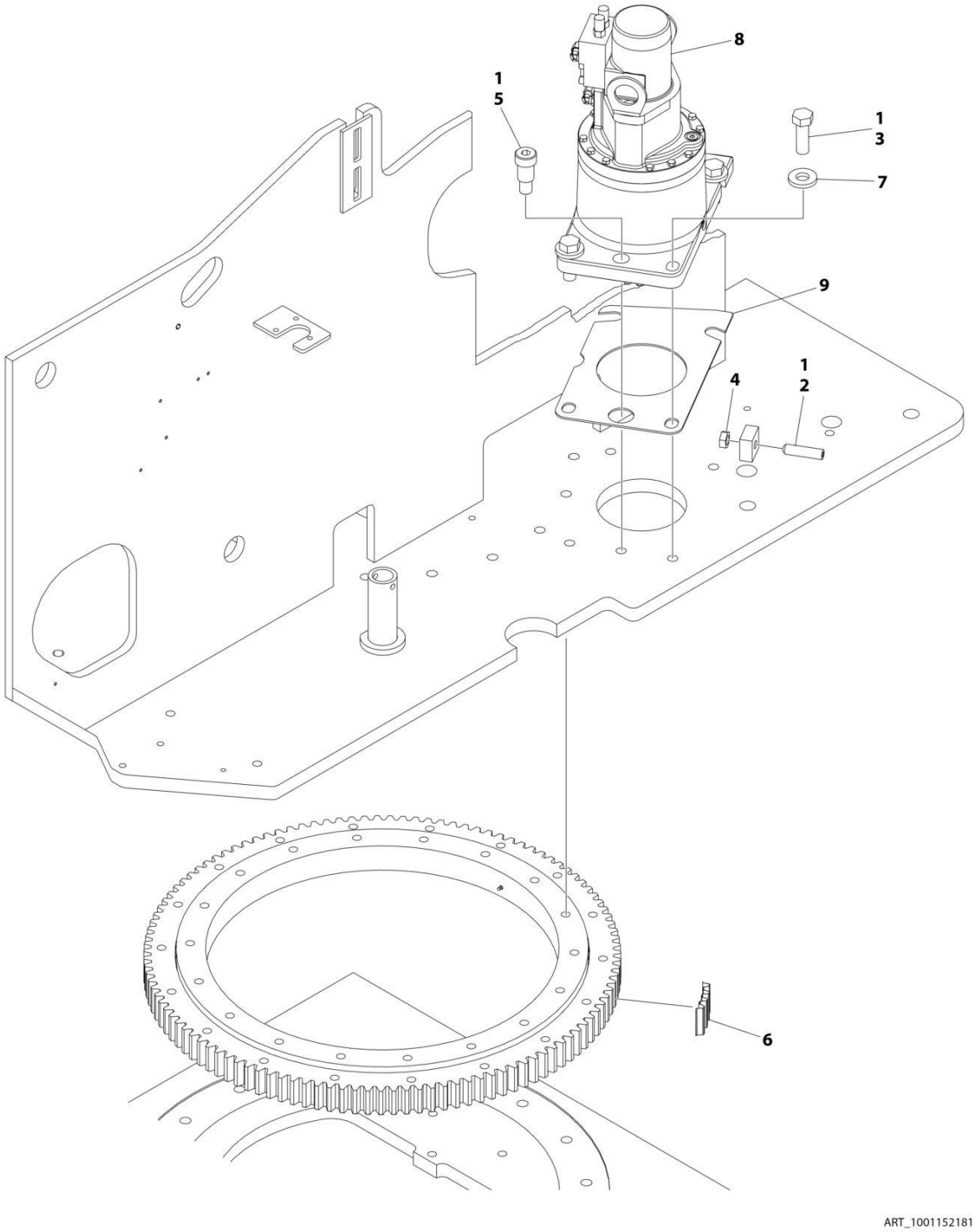
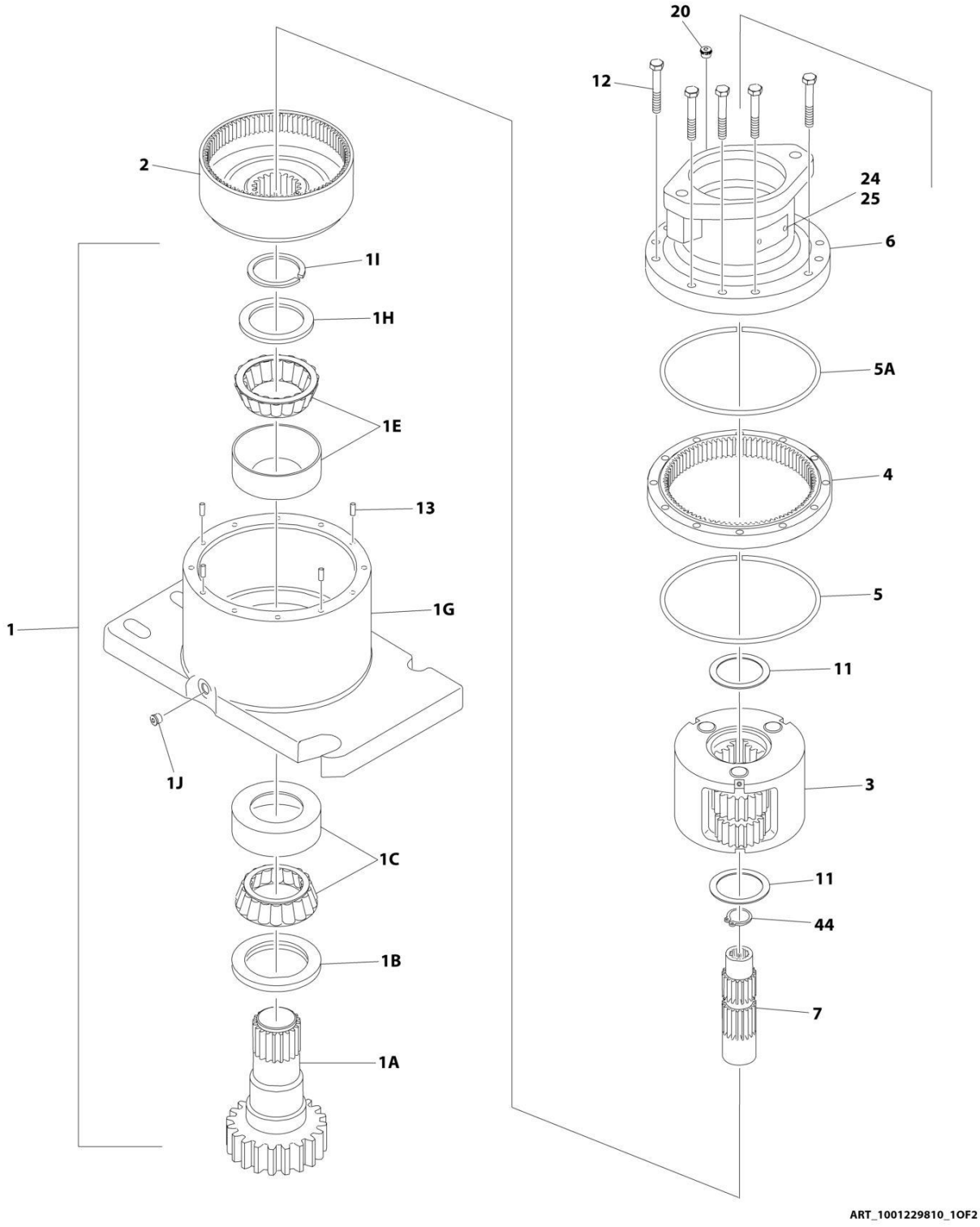
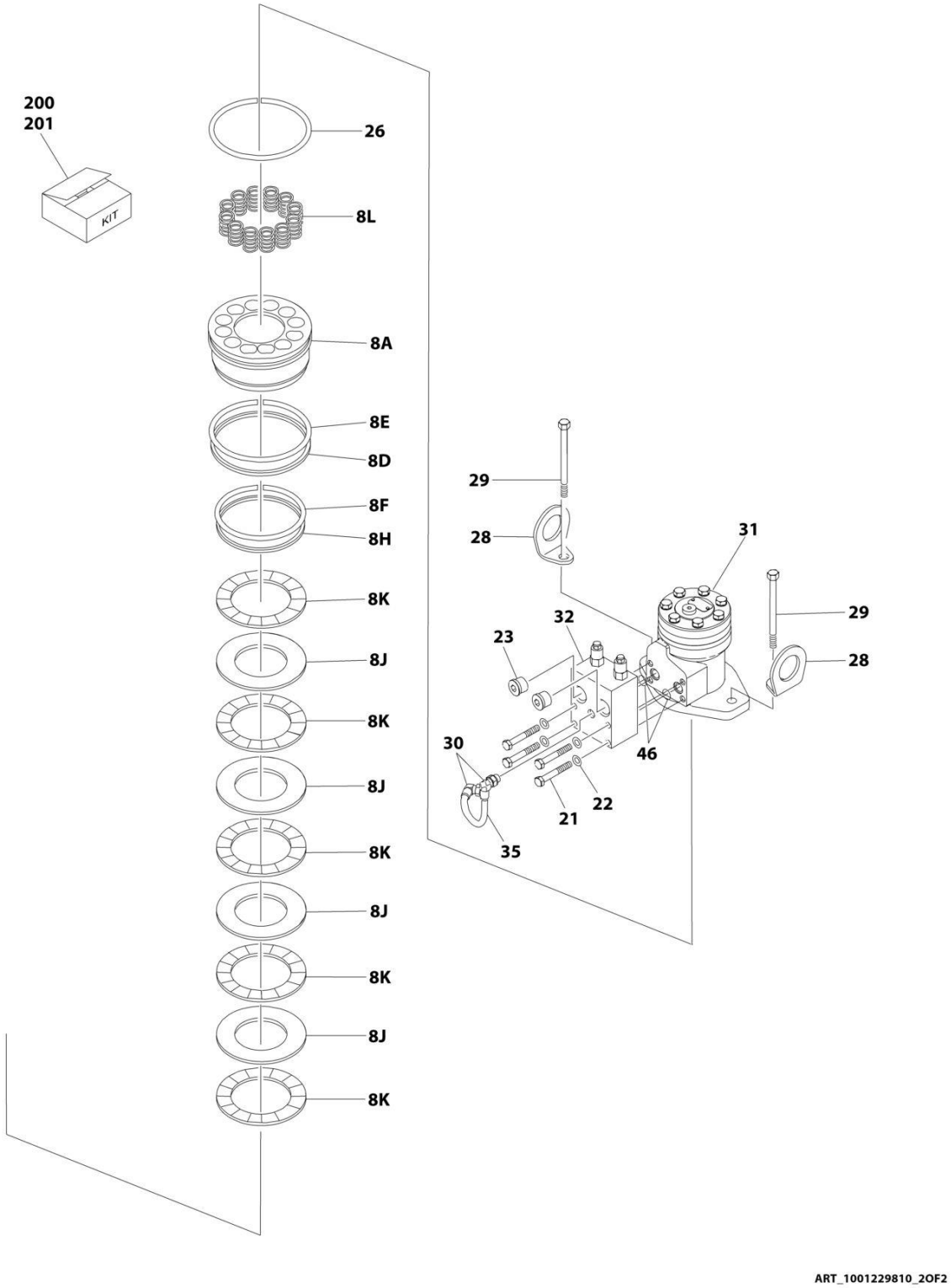


FIGURE 2-7. SWING DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152181	Ref	SWING DRIVE INSTALLATION	E
1	0100019	AR	Compound, Locking	
2	3952020	1	Setscrew 5/8 x 2-1/2	
3	0682218	4	Bolt 3/4 x 2-1/4 Grade 8	
4	3312002	1	Nut, Jam 5/8	
5	3900293	1	Capscrew 1 x 1-1/4	
6	1001125492	1	Shim	
7	4740057	4	Flatwasher, Hardened	
8	1001229810	1	Swing Hub Assembly (See Separate Breakdown in this section)	
9	1001152234	1	Plate, Spacer	

FIGURE 2-8. SWING MOTOR/HUB ASSEMBLY





ART_1001229810_2OF2

FIGURE 2-8. SWING MOTOR/HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229810	Ref	SWING MOTOR/HUB ASSEMBLY	C
1	See Note	1	Housing/Shaft Assembly (Note: Not Available - Purchase Individual Components)	
1A	7010492	1	Shaft, Output	
1B	7000228	1	Seal, Lip	
1C	7000255	1	Bearing Kit (Includes Cup and Cone)	
1E	7000257	1	Bearing Kit (Includes Cup and Cone)	
1G	7024762	1	Housing	
1H	7007633	1	Washer, Thrust	
1I	7000229	1	Ring, Retaining	
1J	7017072	1	Plug, Pipe	
2	7000246	1	Gear, Internal	
3	7000247	1	Carrier Assembly	
4	7000248	1	Gear, Ring	
5	7000230	1	O-Ring	
5A	7017070	1	O-Ring	
6	1001229810	NSS	Housing, Brake (Note: Not Available - Purchase Complete Assembly)	
7	70005203	1	Gear, Sun	
8A	70004037	1	Piston	
8D	70004041	1	O-Ring	
8E	70004044	1	Ring, Back-up	
8F	70004042	1	O-Ring	
8H	70004043	1	Ring, Back-up	
8J	70002085	4	Disc, Rotor	
8K	70002085	5	Disc, Stator	
8L	70002066	14	Spring	
11	7000253	2	Washer, Thrust	
12	7000217	12	Bolt 3/8 x 2-1/4 Grade 8	
13	7017080	4	Pin, Dowel	
20	7017072	1	Plug, Pipe	
21	7024704	4	Bolt 5/16 x 2 Grade 8	
22	70004045	4	Washer	
23	7017023	2	Plug, Pipe	
24	See Note	NSS	Plate, ID (Note: Not Available for Purchase)	
25	See Note	NSS	Rivet (Note: Not Available for Purchase)	
26	7024763	1	O-Ring	
28	See Note	NSS	Lug, Lifting (Note: Not Available for Purchase)	
29	70004040	2	Bolt 1/2 x 1 (Grade 8)	
30	7017085	2	Elbow	
31	70006304	1	Motor Assembly	
32	7024784	1	Valve Assembly - Complete (No Serviceable Parts)	
35	70004047	1	Tube	
44	7017028	1	Ring, Internal Retaining	
45	7000213	2	O-Ring	
		Ref	KIT OPTIONS:	
200	7024100	1	Seal Kit - Swing Hub (Includes Items 1B, 1I, 5, 5A & 11)	
201	70002085	1	Disc Kit - Swing Brake (Includes Items 8J & 8K)	

FIGURE 2-9. TURNTABLE BEARING INSTALLATION

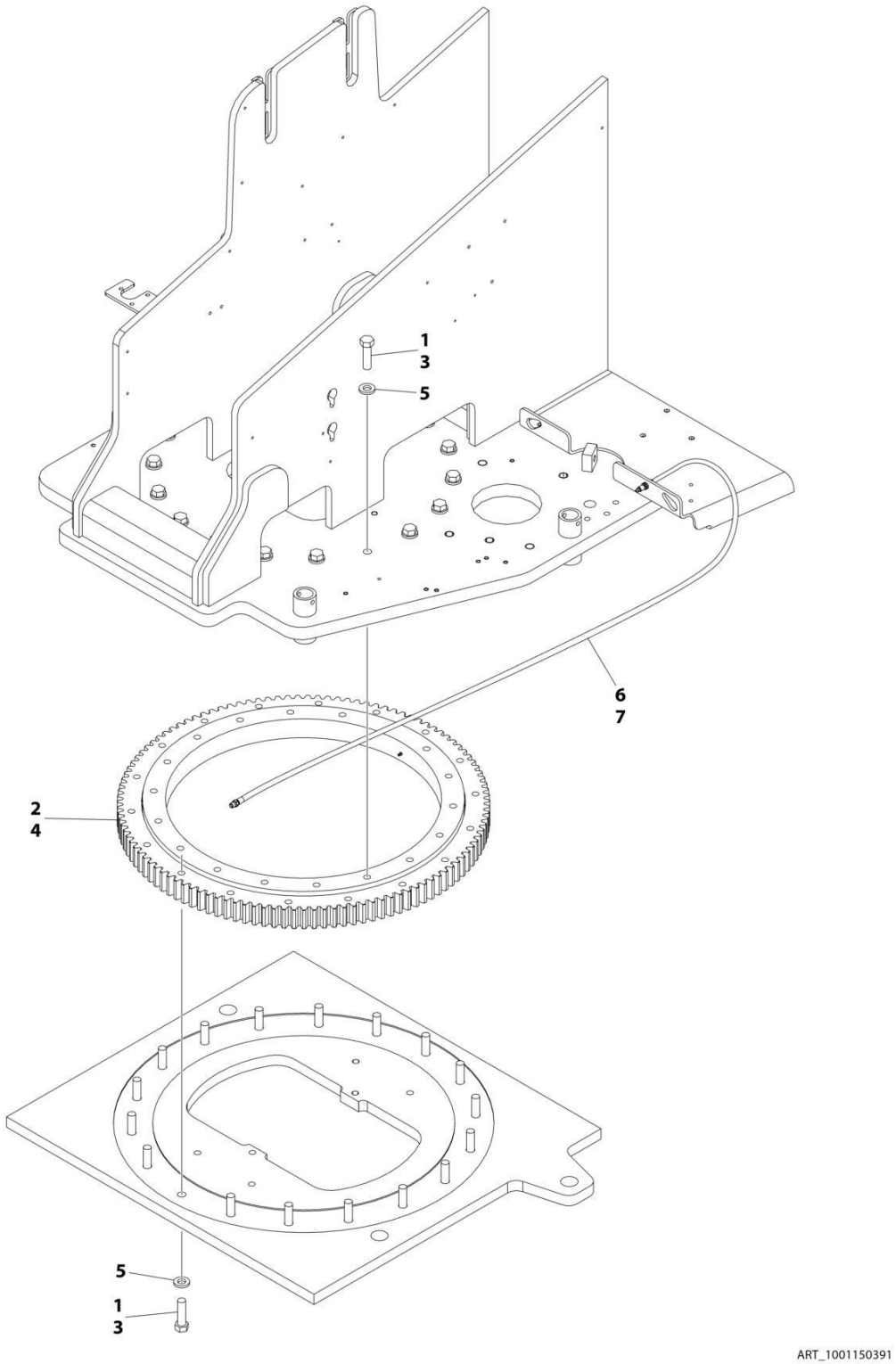


FIGURE 2-9. TURNTABLE BEARING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150391	Ref	TURNTABLE BEARING AND REMOTE LUBE INSTALLATION	C
1	0100019	AR	Compound, Locking	
2	0440207	1	Bearing, Turntable	
3	0682018	36	Bolt 5/8 x 2-1/4 Grade 8	
4	3020029	AR	Lubricant	
5	4892000	36	Washer 5/8 Hardened	
6	0100011	AR	Compound, Locking	
7	1001149927	1	Hose (Includes Grease Fitting and Adapter Fittings)	

FIGURE 2-10. TURNTABLE LOCK INSTALLATION (DEUTZ D2011 & FORD ENGINE MACHINES)

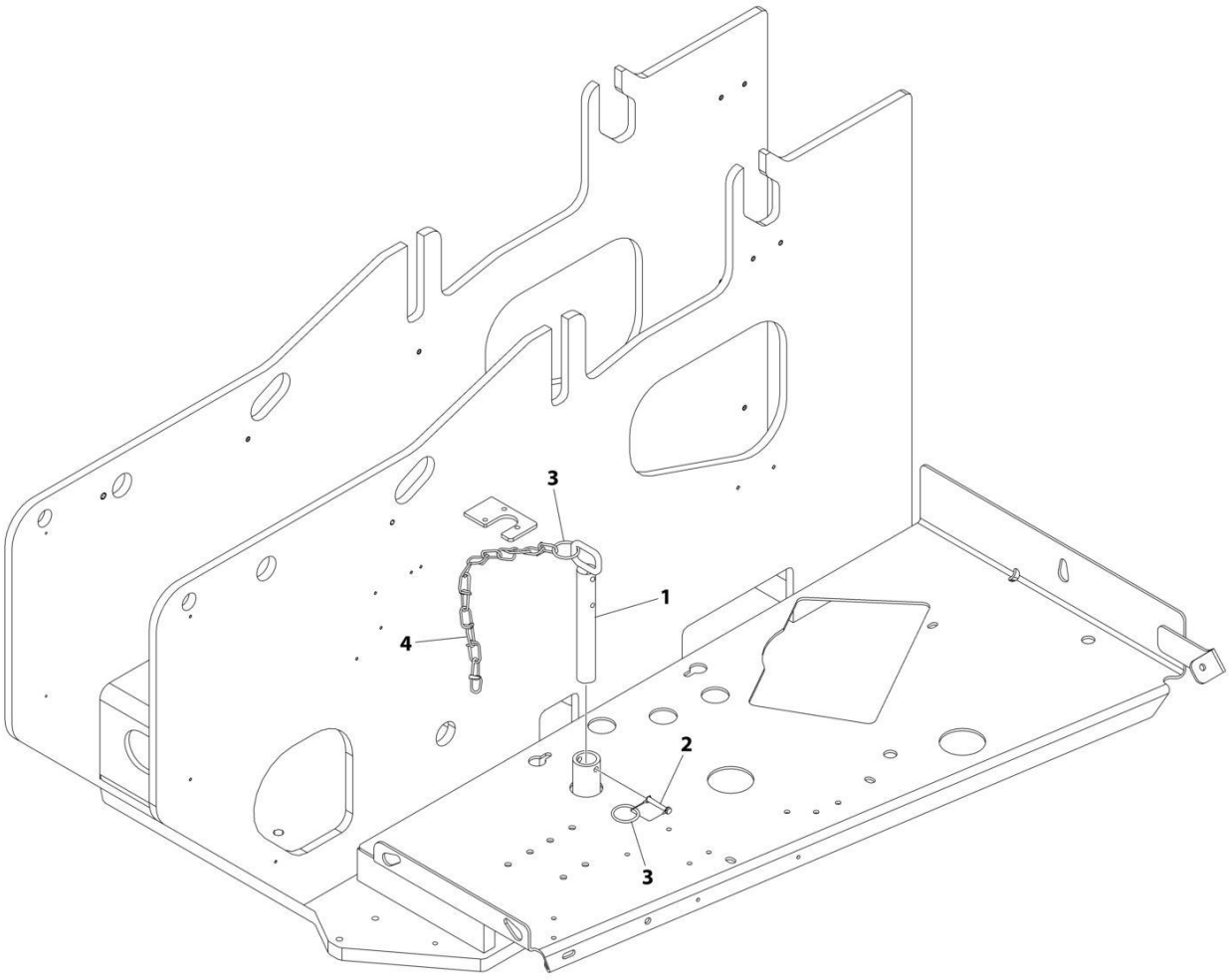


FIGURE 2-10. TURNTABLE LOCK INSTALLATION (DEUTZ D2011 & FORD ENGINE MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0255410	Ref	TURNTABLE LOCK INSTALLATION	B
1	4844958	1	Pin	
2	3421565	1	Pin, Snap	
3	3760170	2	Ring, Quick Release	
4	1260017	9 in /23cm	Chain	

FIGURE 2-11. TURNTABLE LOCK INSTALLATION (DEUTZ TD2.9L4 & DEUTZ TD2.2L3 STAGE V ENGINE MACHINES)

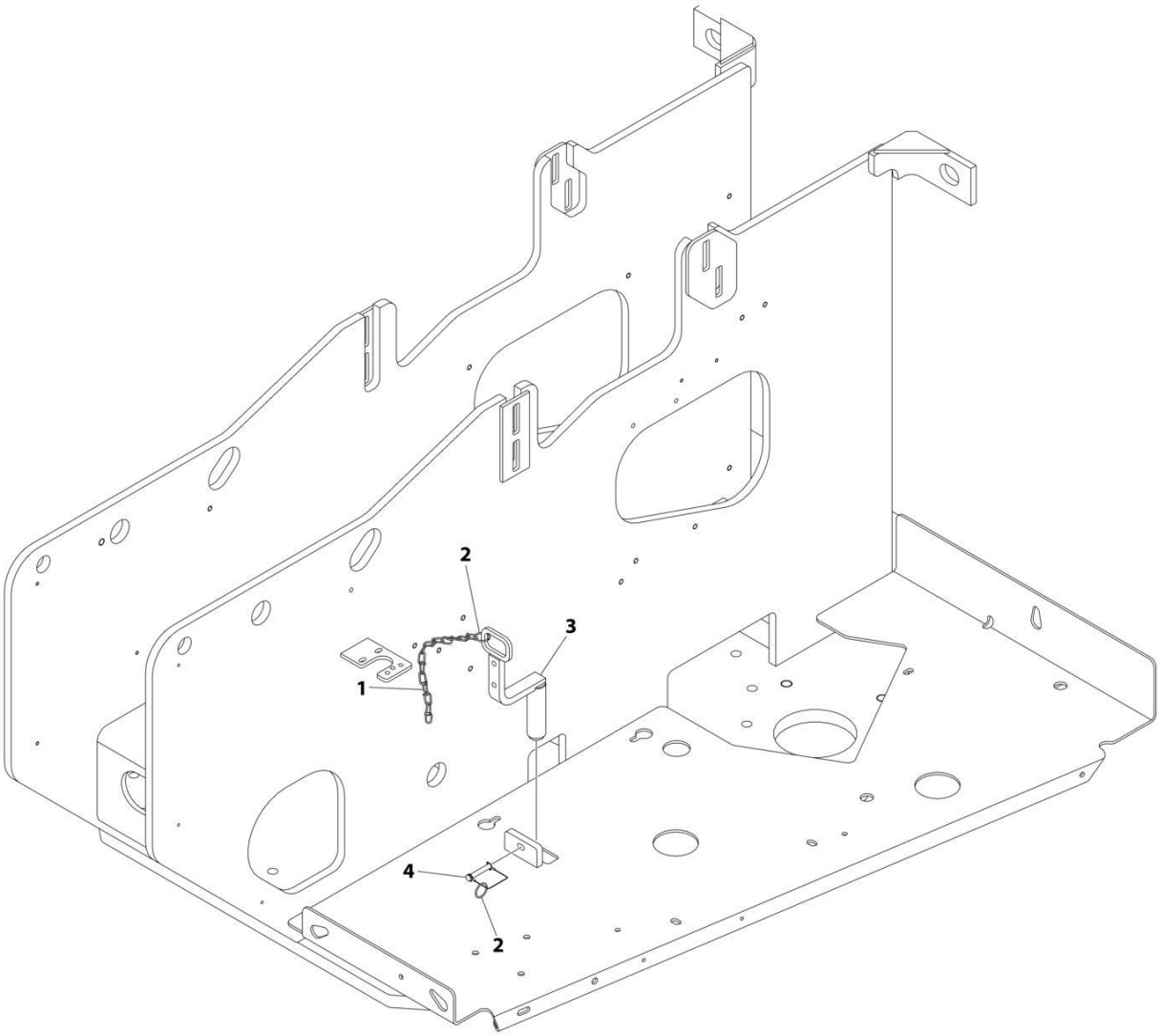


FIGURE 2-11. TURNTABLE LOCK INSTALLATION (DEUTZ TD2.9L4 & DEUTZ TD2.2L3 STAGE V ENGINE MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137885	Ref	TURNTABLE LOCK INSTALLATION	A
1	1260017	9 in /23cm	Chain	
2	3760170	2	Ring, Quick Release	
3	1001137896	1	Pin	
4	1001145292	1	Pin, Snap	

FIGURE 2-12. ROTARY COUPLING INSTALLATION

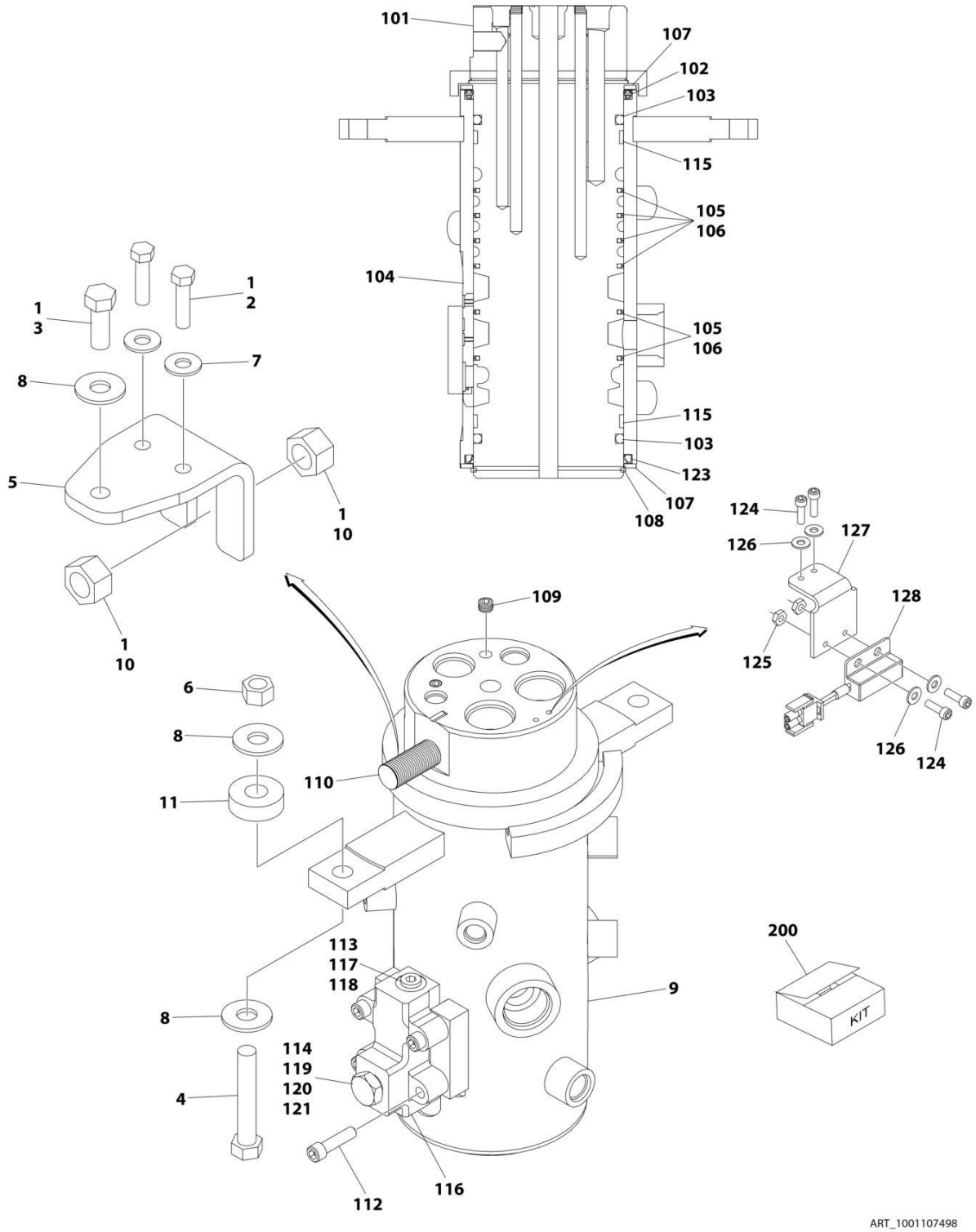


FIGURE 2-12. ROTARY COUPLING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107498	Ref	ROTARY COUPLING INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641612	2	Bolt 3/8 x 1-1/2	
3	0641811	1	Bolt 1/2 x 1-3/8	
4	0641824	2	Bolt 1/2 x 3	
5	0903056	1	Bracket	
6	3271805	2	Nut 1/2	
7	4751600	2	Washer 3/8	
8	4751800	5	Washer 1/2	
9	1001106974	1	Coupling, Rotary (See Items 101-121 for Breakdown)	
10	3322201	2	Nut 3/4	
11	1001178789	2	Shim	
	1001106974	Ref	ROTARY COUPLING ASSEMBLY	B
101	See Note	NSS	Body (Note: Not Available - Purchase Complete Assembly)	
102	70001248	1	Seal	
103	See Note	NSS	O-Ring (Note: Use Item 200A or 200B) (Note: Use Item 200A or 200B)	
104	See Note	NSS	Housing (Note: Not Available - Purchase Complete Assembly)	
105	70001248	6	Seal, Cap	
106	70001248	6	O-Ring	
107	7026503	2	Ring	
108	7026504	1	Ring, Retaining	
109	80934561	2	Plug	
110	See Note	1	Lug, Torque (Note: Not Available for Purchase)	
112	7026197	4	Bolt 5/16 x 1-1/4	
113	See Note	NSS	O-Ring (Note: Use Item 200A or 200B)	
114	See Note	NSS	O-Ring (Note: Use Item 200A or 200B)	
115	See Note	NSS	Bearing (Note: Use Item 200A or 200B)	
116	7024404	1	Block Valve Assembly	
117	7026505	1	Plug	
118	7026506	1	Valve, Check	
119	7026507	1	Plug	
120	7024404	1	Plunger, Valve (Note: Not Available for Purchase)	
121	7026509	1	Spring, Compression	
122	See Note	NSS	Protective Netting (Not Shown) (Note: Not Available for Purchase)	
123	70001248	1	Seal	
124	See Note	NSS	Screw, Socket Head #10 x 1/2 (Note: Not Available for Purchase)	
125	See Note	NSS	Nut #10 (Note: Not Available for Purchase)	
126	See Note	NSS	Washer #10 (Note: Not Available for Purchase)	
127	70003454	1	Bracket, Switch Mounting	
128	4360517	1	Switch, Proximity	
200	70001248	1	Seal Kit (Includes Items 102, 103, 105, 106, 113, 114, 115 & 123)	

FIGURE 2-13. TANK INSTALLATION – DEUTZ D2011 ENGINE (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

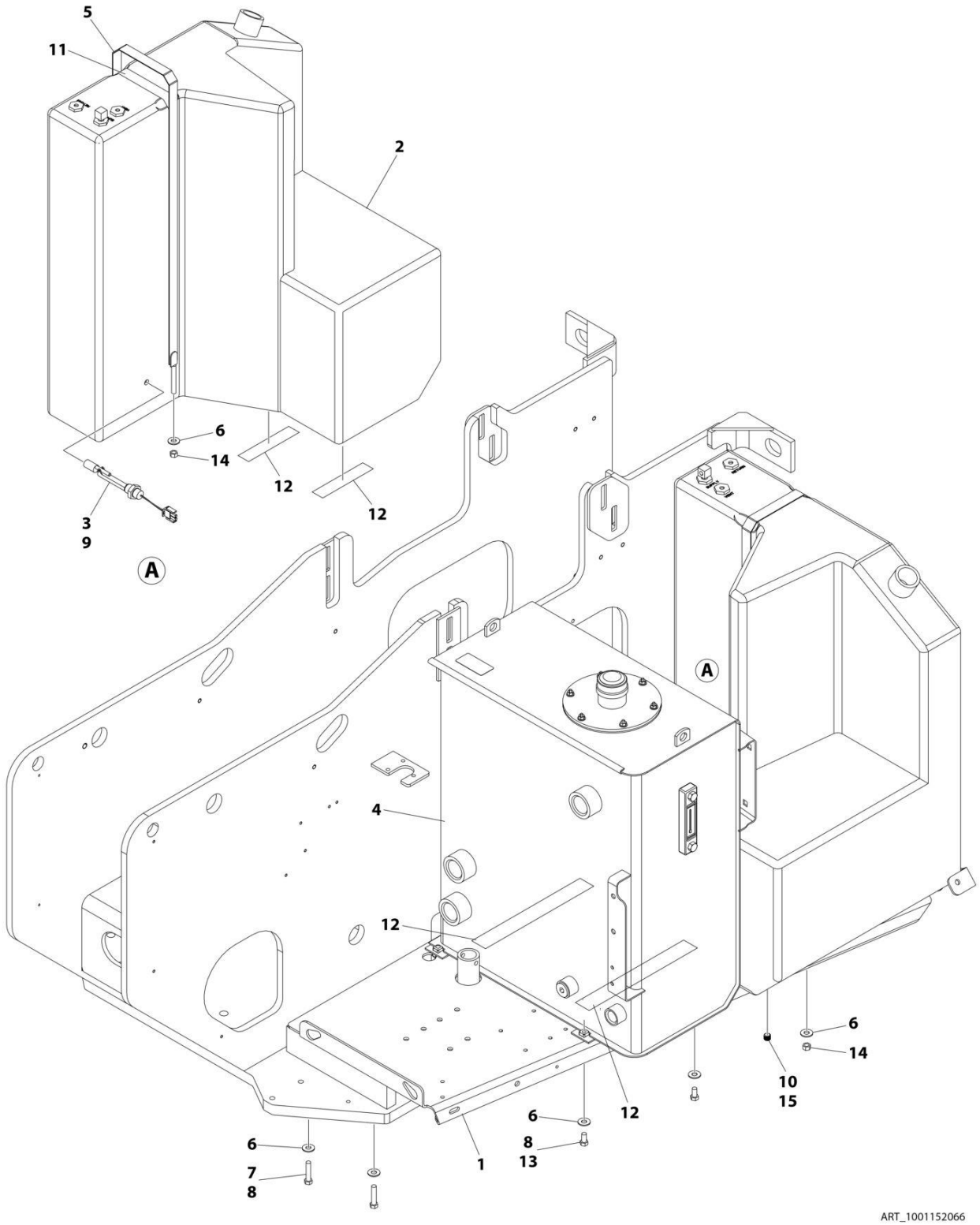


FIGURE 2-13. TANK INSTALLATION – DEUTZ D2011 ENGINE (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152066	Ref	TANK INSTALLATION	C
1	1001152428	1	Tray	
2	1001173896	1	Tank, Fuel	
2	7016314	1	Cap, Fuel (Non-Locking)	
2	7019658	1	Fitting, 90 with Pick up Tube	
3	4360436	1	Switch, Fuel Level	
4	1001151268	1	Hydraulic Oil Tank Assembly (See Separate Breakdown in this Section)	
5	4240102	1	Strap, Tank	
6	4751600	10	Washer 3/8	
7	0641614	4	Bolt 3/8 x 1-3/4	
8	0100011	AR	Compound, Locking	
9	1001182997	AR	Sealant, Pipe	
10	2200222	1	Plug	
11	4280295	18 in /46cm	Strip, Protective	
12	4420038	AR	Tape, Rubber	
13	0641606	4	Bolt 3/8 x 3/4	
14	3311601	2	Nut 3/8	
15	0100020	AR	Sealant	

FIGURE 2-14. TANK INSTALLATION – DEUTZ D2011 ENGINE (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

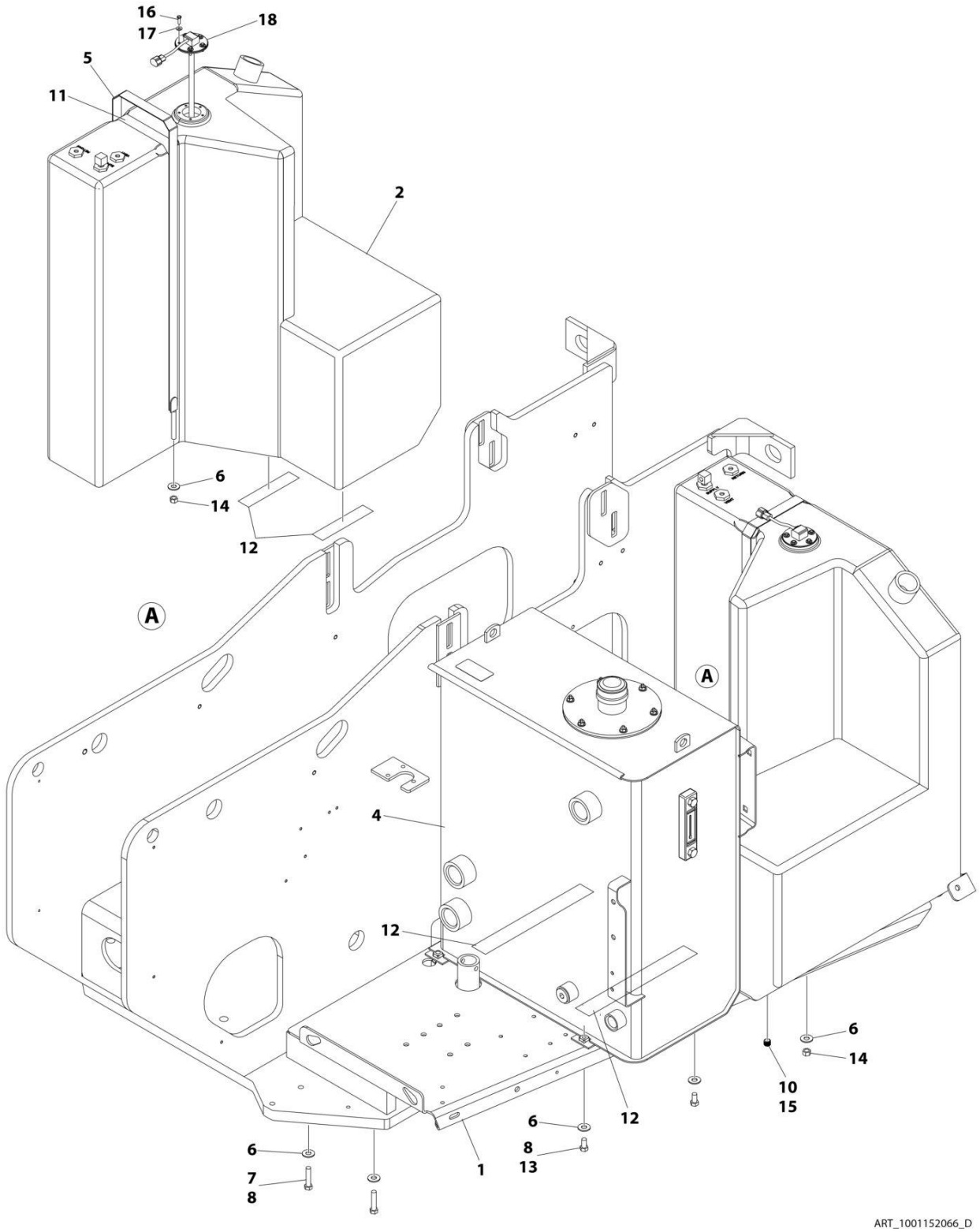


FIGURE 2-14. TANK INSTALLATION – DEUTZ D2011 ENGINE (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152066	Ref	TANK INSTALLATION	D
1	1001152428	1	Tray	
2	1001284960	1	Tank, Fuel	
2	70008578	1	Cap	
2	70008579	1	Tube, Pickup	
4	1001151268	1	Hydraulic Oil Tank Assembly (See Separate Breakdown in this Section)	
5	4240102	1	Strap, Tank	
6	4751600	10	Washer 3/8	
7	0641614	4	Bolt 3/8 x 1-3/4	
8	0100011	AR	Compound, Locking	
9	1001182997	AR	Sealant, Pipe (Not Shown)	
10	2200222	1	Plug	
11	4280295	18 in /46cm	Strip, Protective	
12	4420038	AR	Tape, Rubber	
13	0641606	4	Bolt 3/8 x 3/4	
14	3311601	2	Nut 3/8	
15	0100020	AR	Sealant	
16	0731005	5	Bolt #10 x 5/8	
17	4751000	5	Washer #10	
18	1001274219	1	Gauge, Fuel Level	

FIGURE 2-15. TANK INSTALLATION – DEUTZ TD2.9L4 & TD2.2L3 STAGE V ENGINES (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

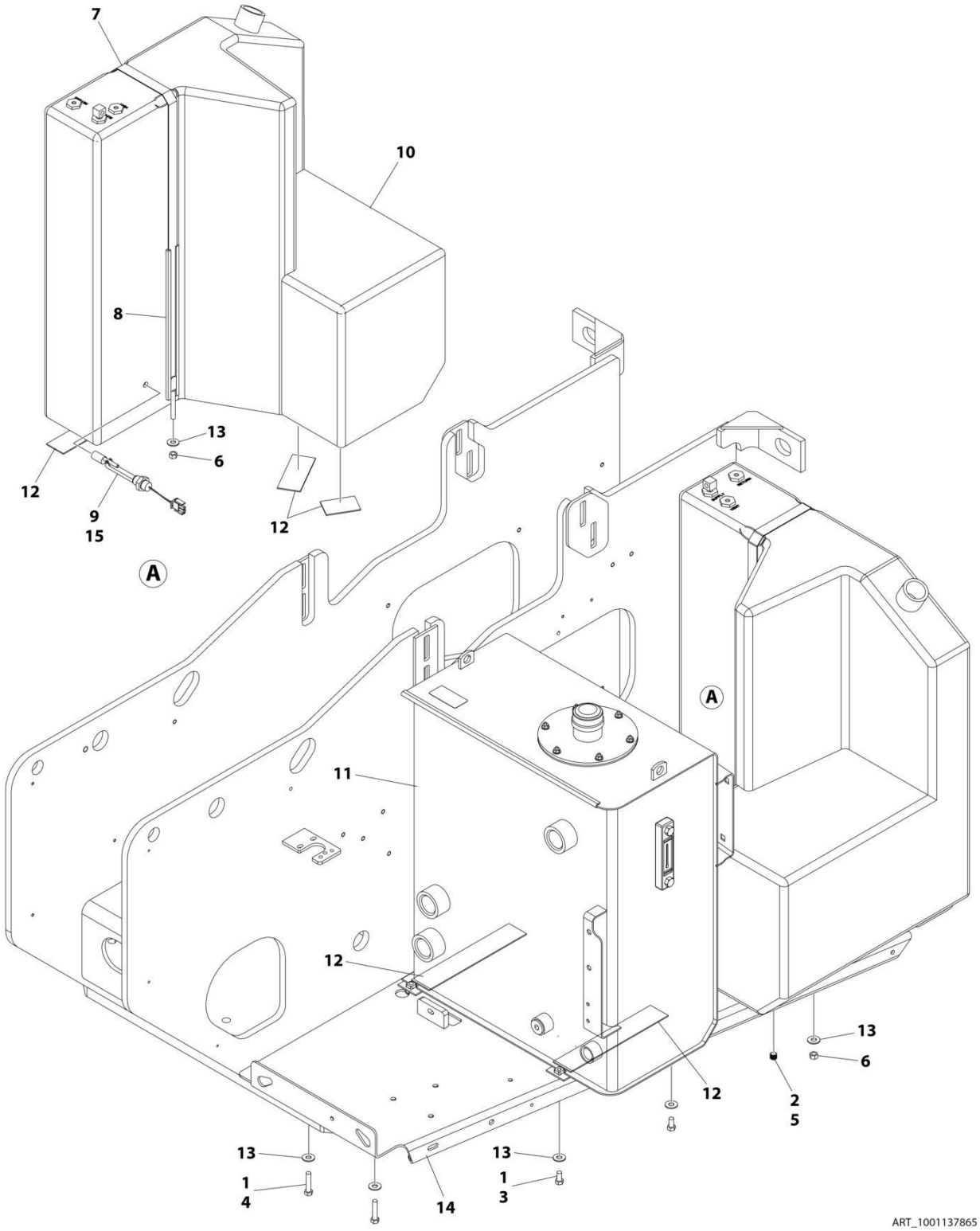


FIGURE 2-15. TANK INSTALLATION – DEUTZ TD2.9L4 & TD2.2L3 STAGE V ENGINES (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137865	Ref	TANK INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0641606	4	Bolt 3/8 x 3/4	
4	0641614	4	Bolt 3/8 x 1-3/4	
5	2200222	1	Plug	
6	3311601	2	Nut 3/8	
7	4240102	1	Strap, Tank	
8	4280295	18 in /46cm	Strip, Protective	
9	4360436	1	Switch, Fuel Level	
10	1001173896	1	Tank, Fuel	
10	7016314	1	Cap (Non-Locking)	
10	7019658	1	Fitting, 90 with Pick up Tube	
11	1001151268	1	Hydraulic Oil Tank Assembly (See Separate Breakdown in this Section)	
12	4420038	AR	Tape, Rubber	
13	4751600	10	Washer 3/8	
14	1001137863	1	Tray	
15	1001182997	AR	Sealant, Pipe	

FIGURE 2-16. TANK INSTALLATION – DEUTZ TD2.9L4 & TD2.2L3 STAGE V ENGINES (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

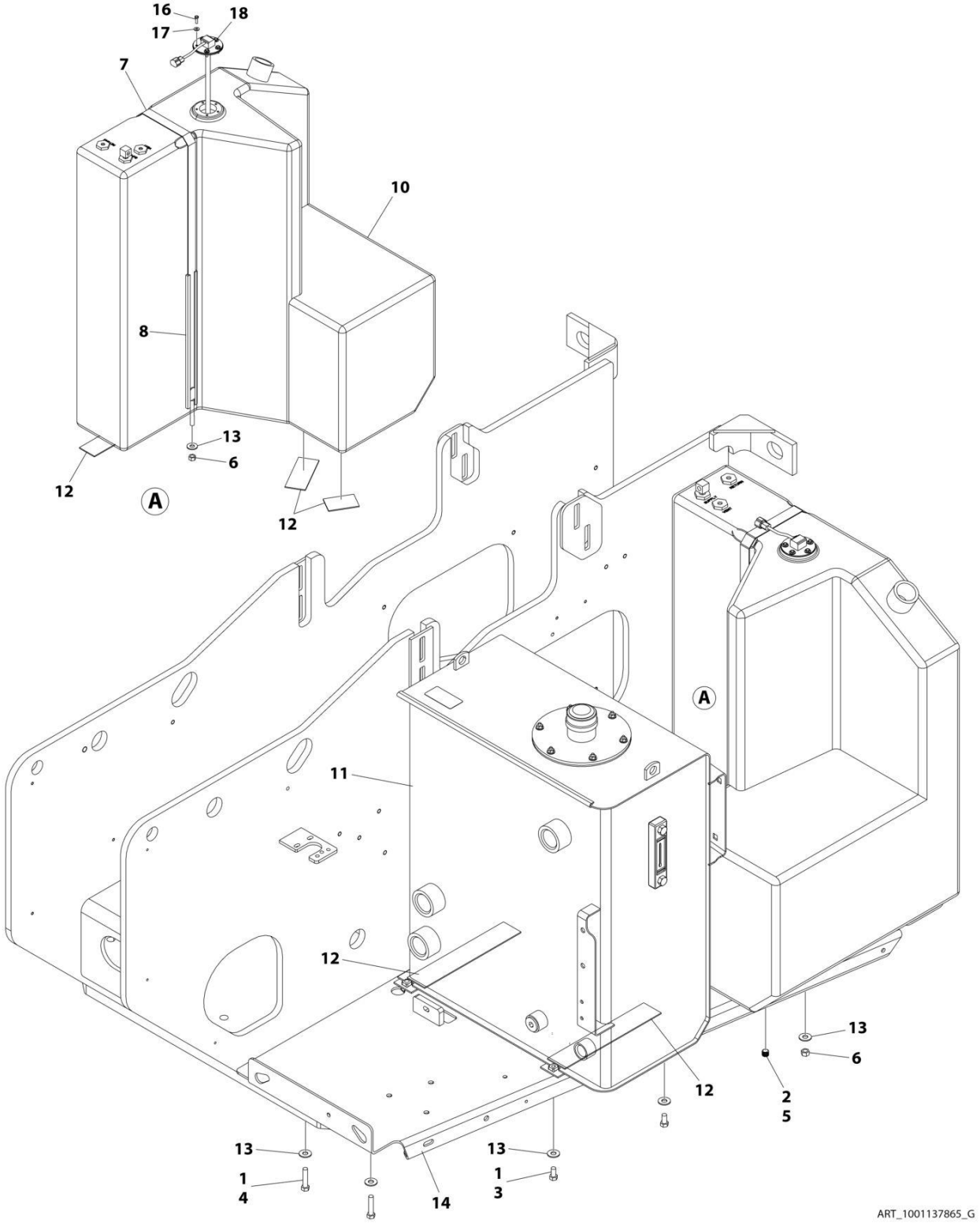


FIGURE 2-16. TANK INSTALLATION – DEUTZ TD2.9L4 & TD2.2L3 STAGE V ENGINES (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137865	Ref	TANK INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0641606	4	Bolt 3/8 x 3/4	
4	0641614	4	Bolt 3/8 x 1-3/4	
5	2200222	1	Plug	
6	3311601	2	Nut 3/8	
7	4240102	1	Strap, Tank	
8	4280295	18 in /46cm	Strip, Protective	
10	1001284960	1	Tank, Fuel	
10	70008578	1	Cap	
10	70008579	1	Tube, Pickup	
11	1001151268	1	Hydraulic Oil Tank Assembly (See Separate Breakdown in this Section)	
12	4420038	AR	Tape, Rubber	
13	4751600	10	Washer 3/8	
14	1001137863	1	Tray	
15	1001182997	AR	Sealant, Pipe (Not Shown)	
16	0731005	5	Bolt #10 x 5/8	
17	4751000	5	Washer #10	
18	1001274219	1	Gauge, Fuel Level	

FIGURE 2-17. TANK INSTALLATION – FORD ENGINE (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

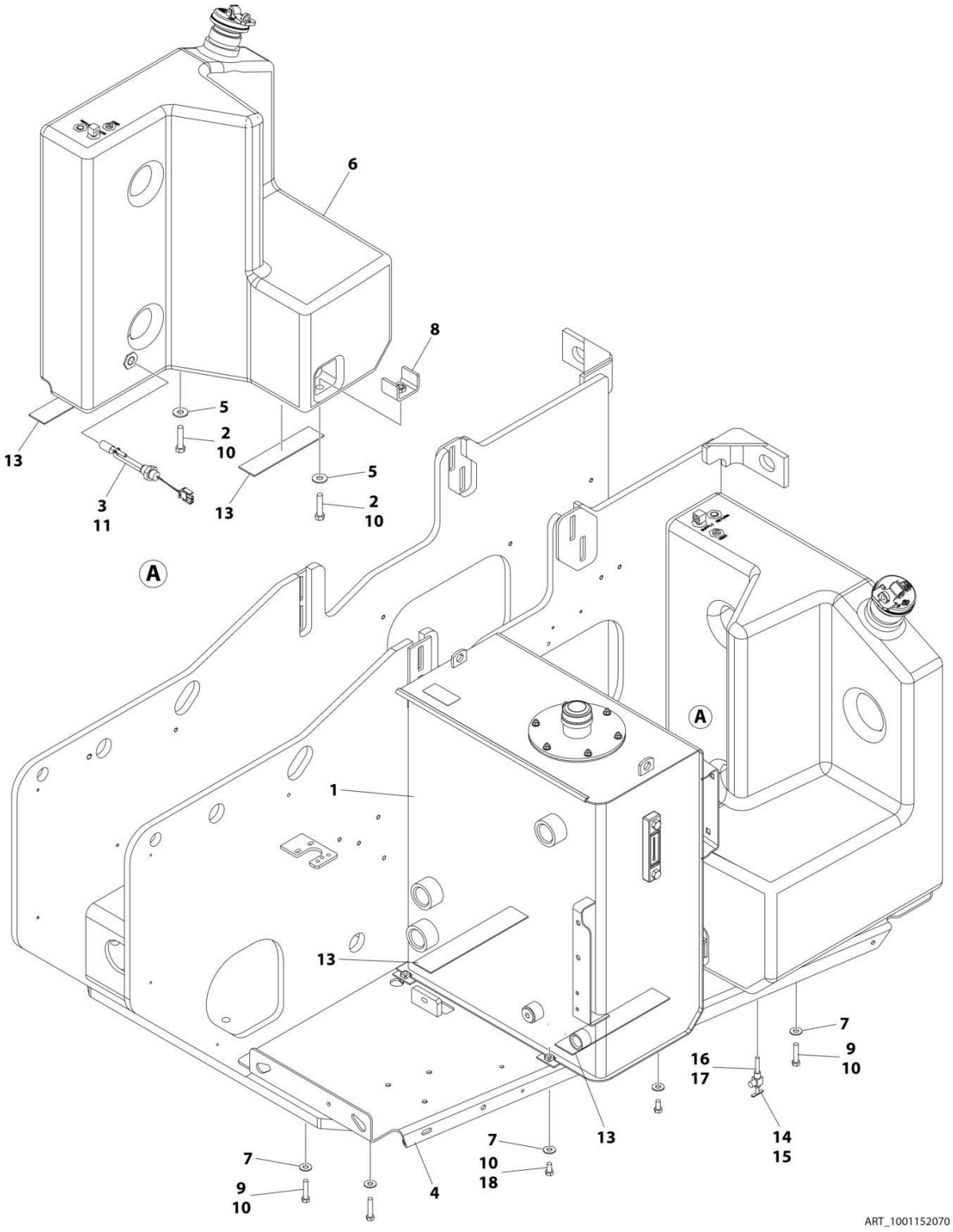


FIGURE 2-17. TANK INSTALLATION – FORD ENGINE (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152070	Ref	TANK INSTALLATION	D
1	1001151268	1	Hydraulic Oil Tank Assembly (See Separate Breakdown in this Section)	
2	0641818	2	Bolt 1/2 x 2-1/4	
3	4360436	1	Switch, Fuel Level	
4	1001137863	1	Tray	
5	4751800	2	Washer 1/2	
6	1001111514	1	Tank, Fuel	
6	70002715	1	Cap (Non-Locking)	
6	70002716	1	Adpater, Cap	
6	70004149	1	Fitting with Pick up Tube	
7	4751600	8	Washer 3/8	
8	1001118133	2	Bracket	
9	0641614	4	Bolt 3/8 x 1-3/4	
10	0100011	AR	Compound, Locking	
11	1001182997	AR	Sealant, Pipe	
13	4420038	AR	Tape, Rubber	
14	4641022	1	Valve, Needle	
15	0100020	AR	Sealant	
16	0100062	AR	Retaining Compound #680	
17	4568119	1	Tube, Fuel	
18	0641606	4	Bolt 3/8 x 3/4	

FIGURE 2-18. TANK INSTALLATION – FORD ENGINE (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

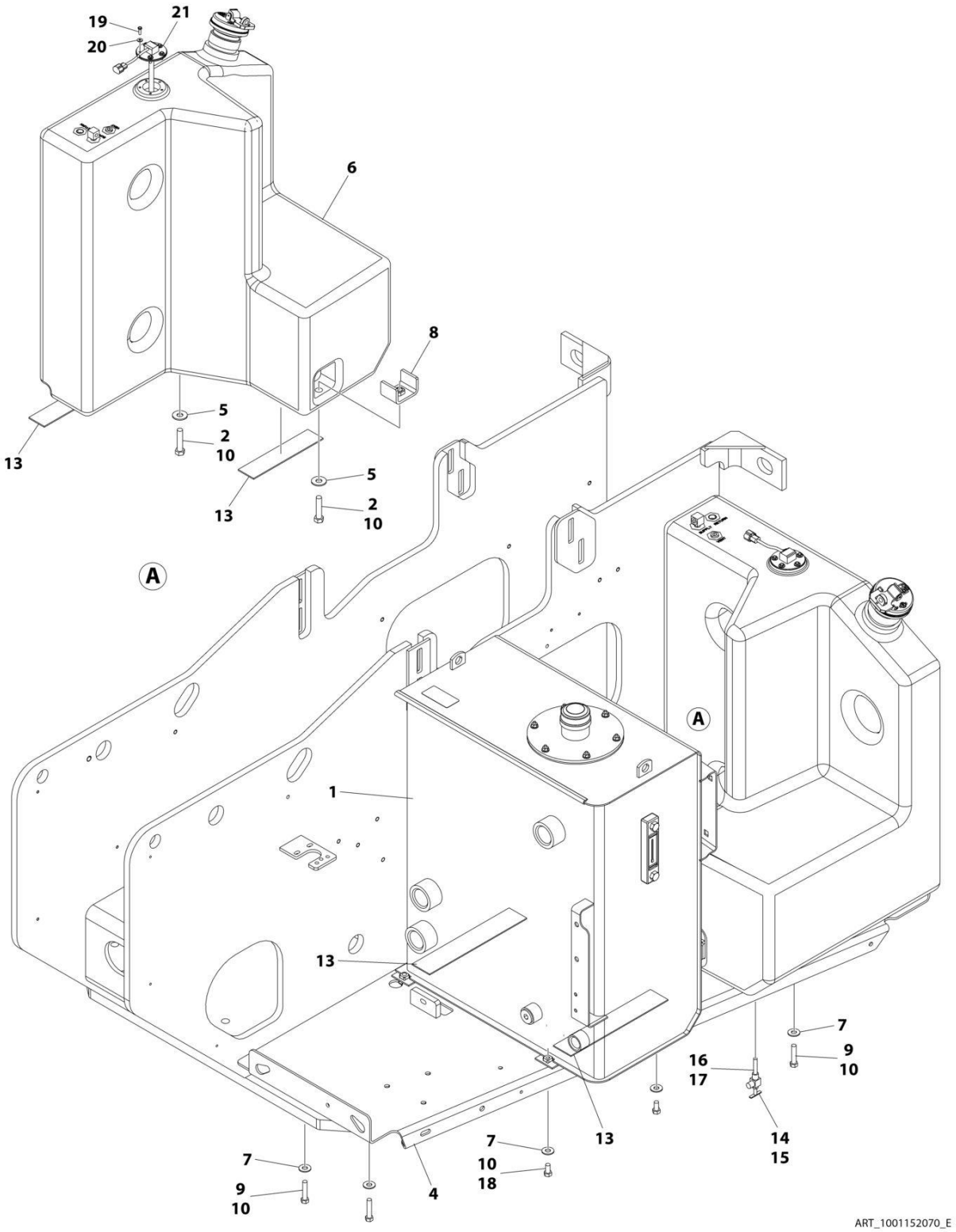


FIGURE 2-18. TANK INSTALLATION – FORD ENGINE (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152070	Ref	TANK INSTALLATION	E
1	1001151268	1	Hydraulic Oil Tank Assembly (See Separate Breakdown in this Section)	
2	0641818	2	Bolt 1/2 x 2-1/4	
4	1001137863	1	Tray	
5	4751800	2	Washer 1/2	
6	1001284961	1	Tank, Fuel	
7	4751600	8	Washer 3/8	
8	1001118133	2	Bracket	
9	0641614	4	Bolt 3/8 x 1-3/4	
10	0100011	AR	Compound, Locking	
11	1001182997	AR	Sealant, Pipe (Not Shown)	
13	4420038	AR	Tape, Rubber	
14	4641022	1	Valve, Needle	
15	0100020	AR	Sealant	
16	0100062	AR	Retaining Compound #680	
17	4568119	1	Tube, Fuel	
17	70008580	1	Cap	
17	70008581	1	Tube, Pickup	
17	70008582	1	Bulkhead Assembly	
18	0641606	4	Bolt 3/8 x 3/4	
19	0731005	5	Bolt #10 x 5/8	
20	4751000	5	Washer #10	
21	1001274219	1	Gauge, Fuel Level	

FIGURE 2-19. HYDRAULIC OIL TANK ASSEMBLY

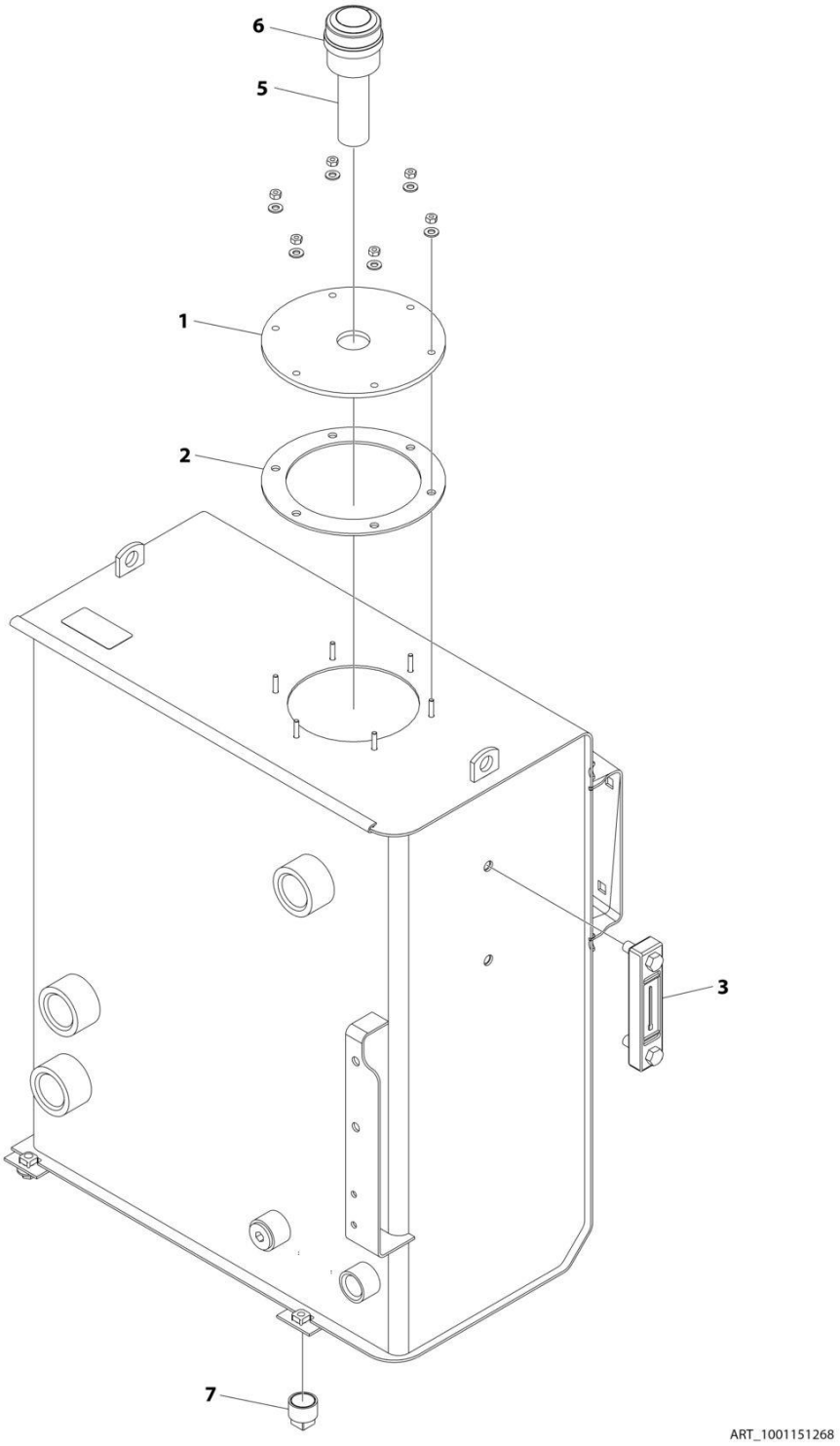


FIGURE 2-19. HYDRAULIC OIL TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151268	Ref	HYDRAULIC OIL TANK ASSEMBLY	H
1	7024439	1	Cover	
2	7024440	1	Gasket	
3	7024441	1	Gauge, Sight	
5	7024443	1	Neck, Fill (Helgensen Brand)	
5	See Note	NSS	Neck, Fill (Hydac Brand) (Note: Use Item 70004862)	
5	7024445	1	Screen (Helgensen Brand)	
5	See Note	NSS	Screen (Hydac Brand) (Note: Use Item 70004862)	
6	7024444	1	Breather/Fill Cap (Helgensen Brand)	
6	70004862	1	Breather/Fill Cap/Strainer Kit (Hydac Brand)	
7	7024446	1	Plug, Magnetic	

FIGURE 2-20. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ D2011 ENGINES (OPTIONAL)

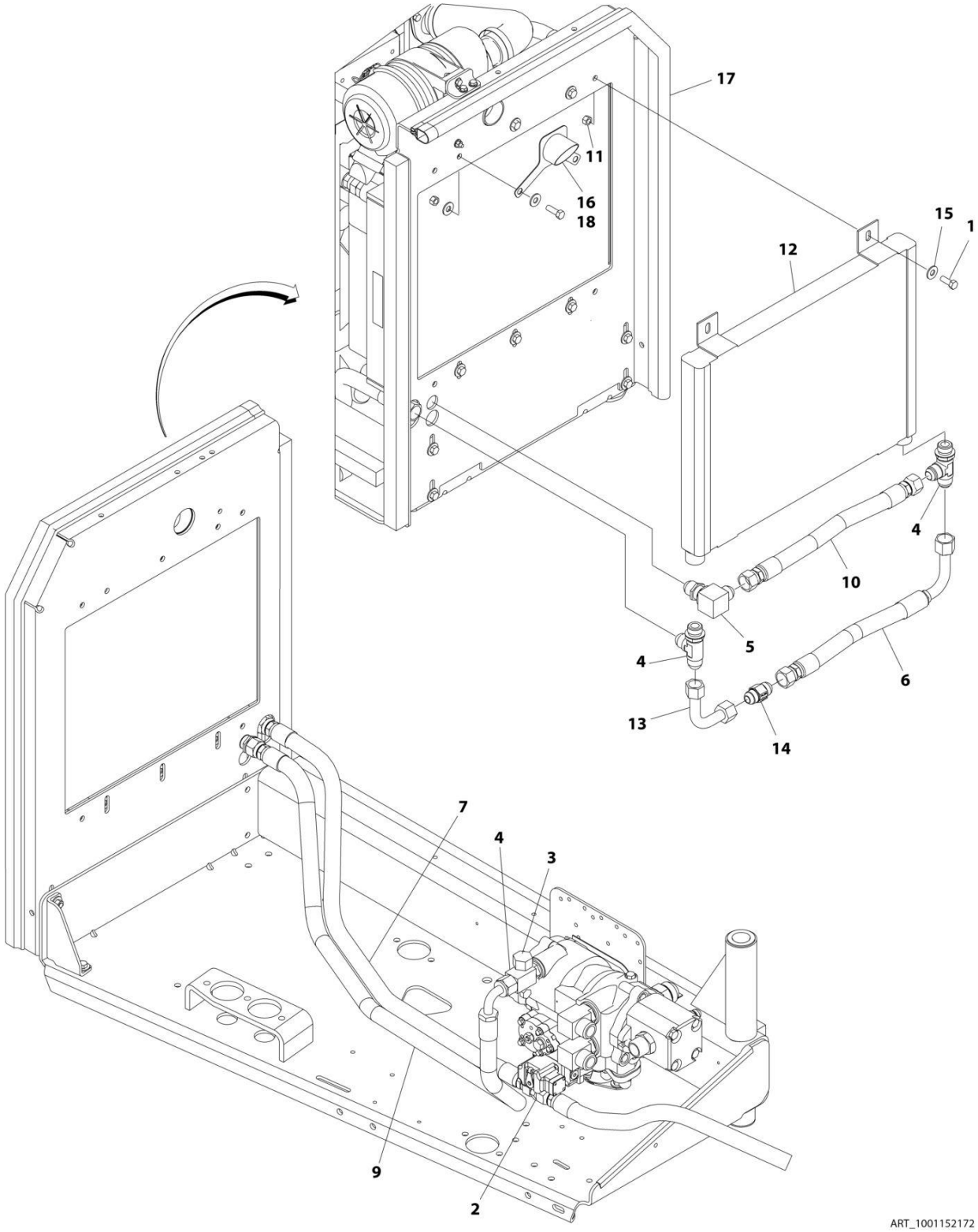


FIGURE 2-20. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ D2011 ENGINES (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152172	Ref	HYDRAULIC OIL COOLER INSTALLATION	C
1	0641608	4	Bolt 3/8 x 1	
2	2220513	1	Fitting, Straight JIC/JIC	
3	2220518	1	Fitting, Cap	
4	2220738	3	Fitting, Tee JIC/ORB/JIC	
5	2230046	1	Fitting, 90 JIC/JIC	
6	2752659	1	Hose	
7	2752661	1	Hose	
9	2753354	1	Hose	
10	2750949	1	Hose	
11	3311605	4	Nut 3/8	
12	3620034	1	Cooler, Hydraulic Oil	
13	4567123	1	Tube 90	
14	4640990	1	Valve, Check	
15	4751600	4	Washer 3/8	
16	0100087	AR	Adhesive	
17	1001157604	5 ft /1.52m	Seal	
18	1001158720	1	Shroud	

FIGURE 2-21. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2.2L3 STAGE V ENGINES (OPTIONAL)

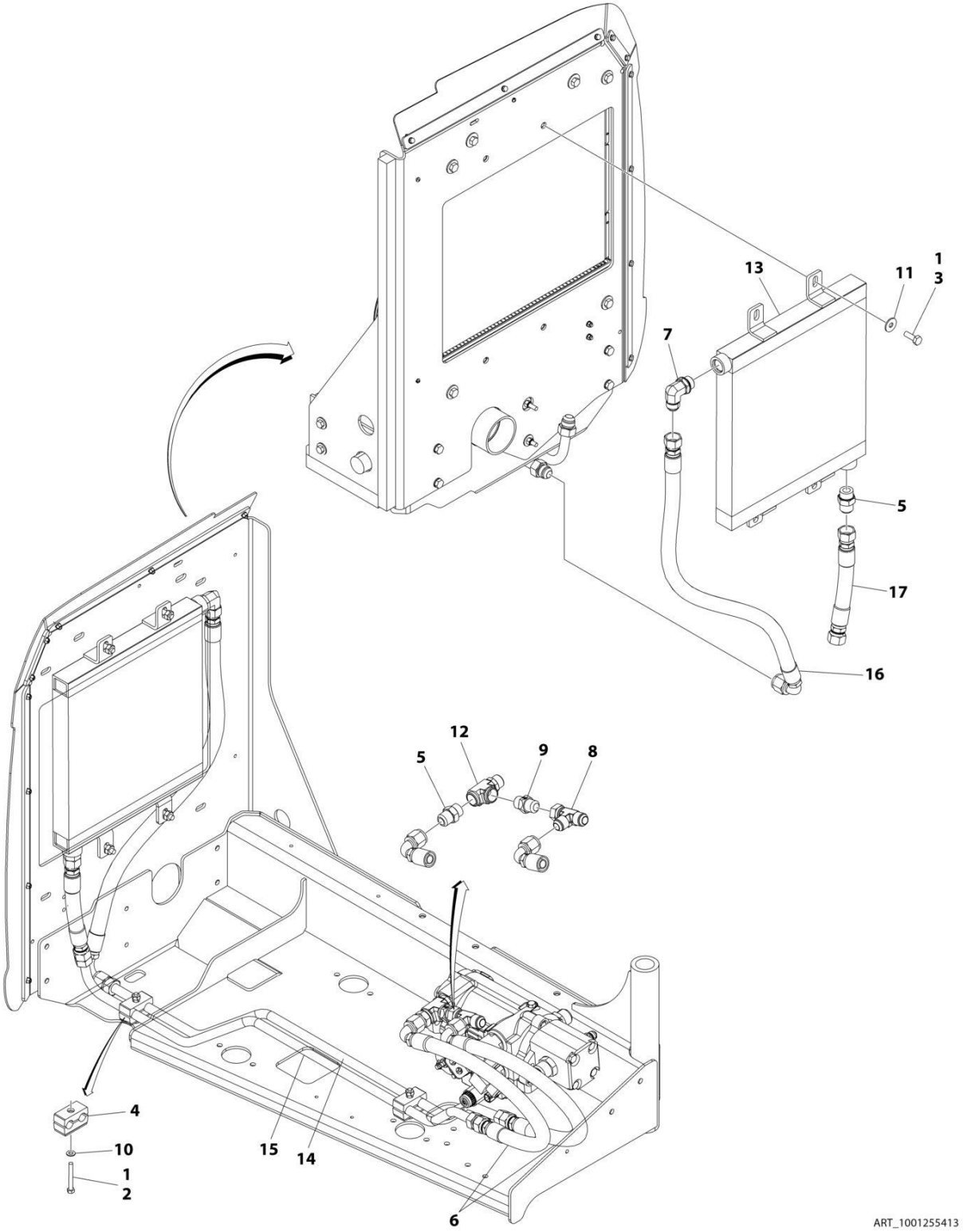


FIGURE 2-21. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2.2L3 STAGE V ENGINES (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255413	Ref	HYDRAULIC OIL COOLER INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641520	2	Bolt 5/16 x 2-1/2	
3	0701014	4	Bolt M10 x 30	
4	1320162	2	Clamp	
5	2220451	2	Fitting, Straight JIC/ORB	
6	2752530	2	Hose	
7	2220578	1	Fitting, 90 JIC/ORB	
8	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
9	4641264	1	Valve, Check	
10	4711500	2	Washer 5/16	
11	4812002	4	Washer M10	
12	1001143812	1	Fitting, Tee ORB/ORB/ORB	
13	1001183924	1	Cooler, Hydraulic Oil	
14	1001249448	1	Tube	
15	1001249449	1	Tube	
16	1001253805	1	Hose	
17	1001253806	1	Hose	

FIGURE 2-22. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2.9L4 ENGINES (OPTIONAL)

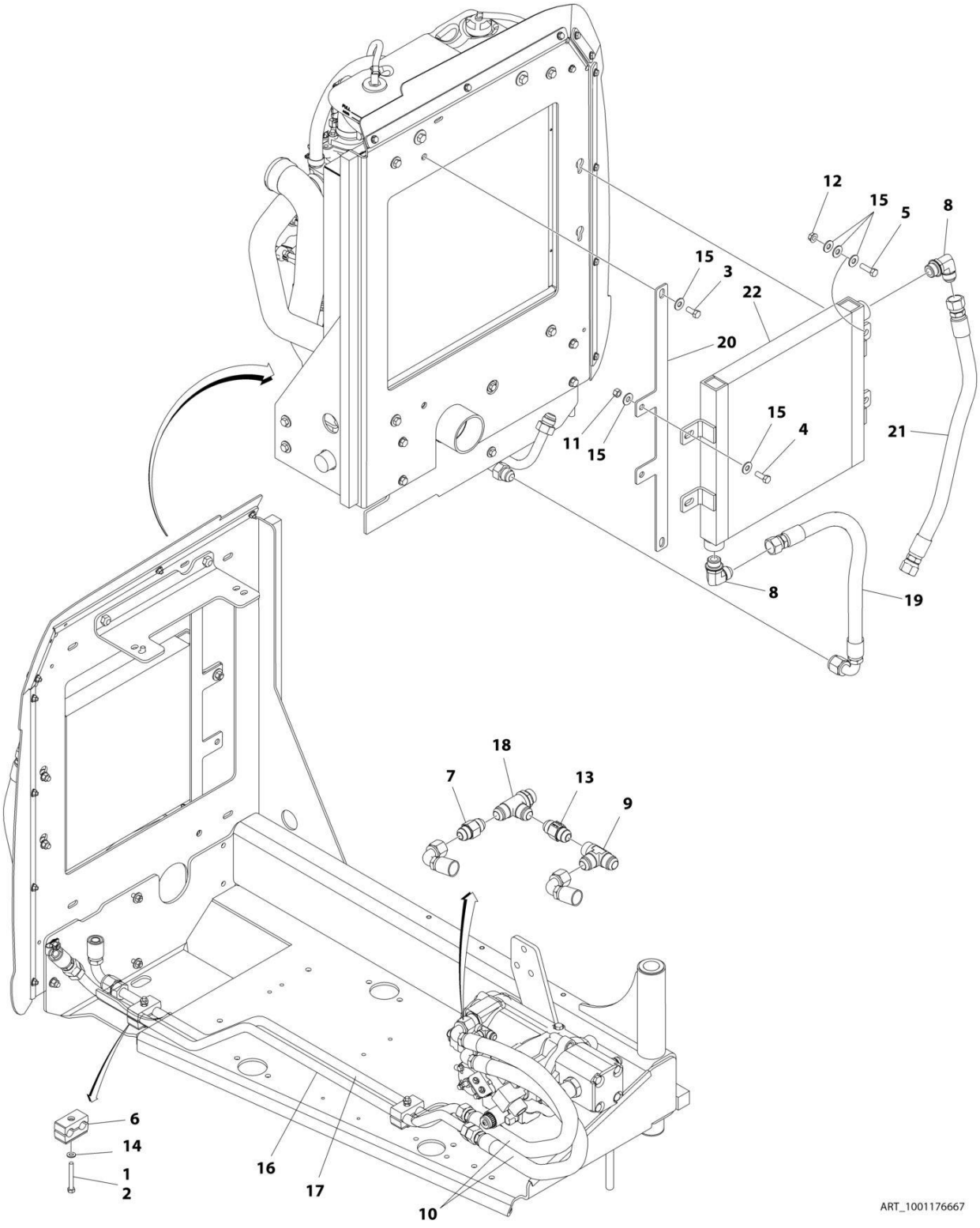


FIGURE 2-22. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2.9L4 ENGINES (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176667	Ref	HYDRAULIC OIL COOLER INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0641520	2	Bolt 5/16 x 2-1/2	
3	0641607	2	Bolt 3/8 x 7/8	
4	0641608	2	Bolt 3/8 x 1	
5	0641610	2	Bolt 3/8 x 1-1/4	
6	1320162	2	Clamp	
7	2220451	1	Fitting, Straight JIC/ORB	
8	2220578	2	Fitting, 90 JIC/ORB	
9	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
10	2752530	2	Hose	
11	3271601	2	Nut 3/8	
12	3311608	2	Nut 3/8	
13	4641264	1	Valve, Check	
14	4711500	2	Washer 5/16	
15	4751600	12	Washer 3/8	
16	1001143765	1	Tube	
17	1001143766	1	Tube	
18	1001143812	1	Fitting, Tee ORB/ORB/ORB	
19	1001145706	1	Hose	
20	1001176666	1	Plate	
21	1001177090	1	Hose	
22	1001183924	1	Cooler, Hydraulic Oil	

FIGURE 2-23. HYDRAULIC OIL COOLER INSTALLATION – FORD ENGINES (OPTIONAL)

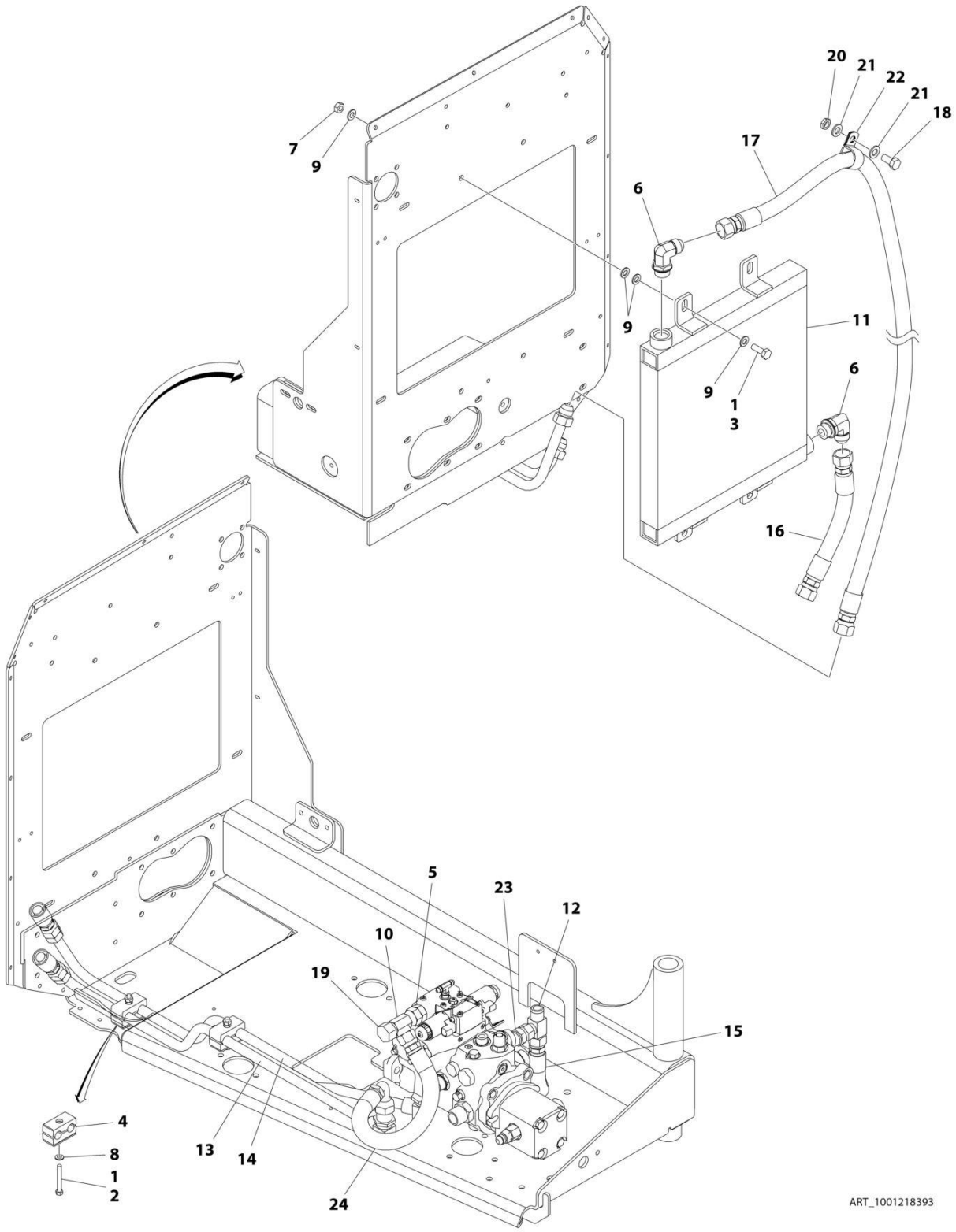


FIGURE 2-23. HYDRAULIC OIL COOLER INSTALLATION – FORD ENGINES (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001218393	Ref	HYDRAULIC OIL COOLER INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0641520	2	Bolt 5/16 x 2-1/2	
3	0771014	4	Bolt M10 x 30	
4	1320162	2	Clamp	
5	2220451	1	Fitting, Straight JIC/ORB	
6	2220578	2	Fitting, 90 JIC/ORB	
7	3291001	4	Nut M10	
8	4711500	2	Washer 5/16	
9	4812000	16	Washer M10	
10	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
11	1001183924	1	Cooler, Hydraulic Oil	
12	2220682	1	Fitting, Tee JIC/JIC/JIC	
13	1001218394	1	Tube	
14	1001218395	1	Tube	
15	1001219457	1	Hose	
16	1001219458	1	Hose	
17	1001096398	1	Hose	
18	0771212	1	Bolt M12 x 25	
19	2220518	1	Fitting, Cap	
20	3291202	1	Nut M12	
21	4812100	2	Washer M12	
22	8406302	1	Clamp	
23	1001179156	1	Valve, Check	
24	1001221621	1	Hose	

FIGURE 2-24. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) - WITH DIGITAL DISPLAY (ALL SPECS EXCEPT CE & UK CA SPECS)

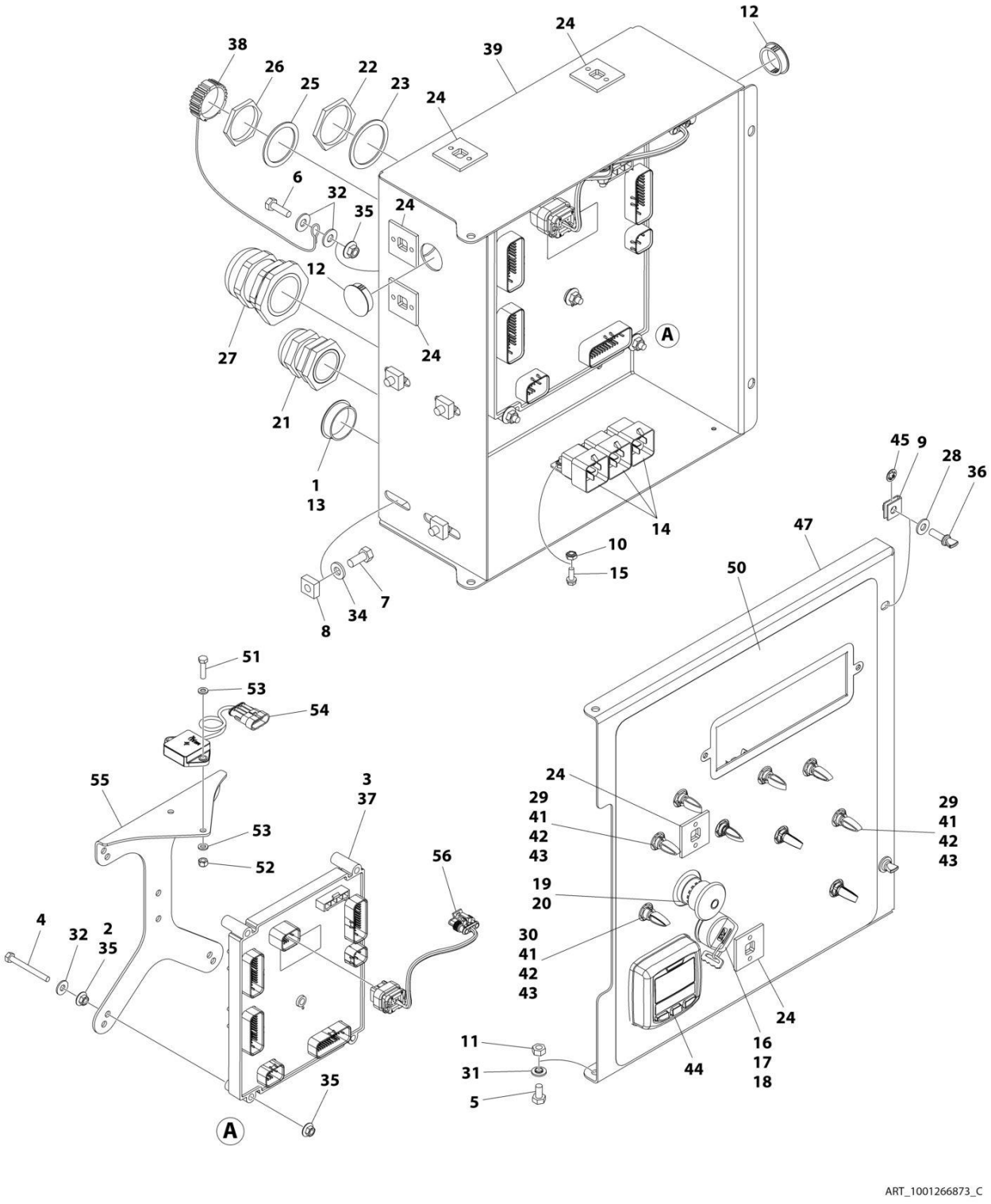


FIGURE 2-24. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) - WITH DIGITAL DISPLAY (ALL SPECS EXCEPT CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266873	Ref	GROUND CONTROL BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop (Metal)	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
19	1001274559	1	Switch, Emergency Stop (Plastic)	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001152175	1	Plate	
40	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32-32	
43	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001171482	1	Gauge, Display	
45	1001188874	2	Nut	
46	1001191868	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001263352	1	Plate	
48	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266665	NLA	Wire Diagram (Not Shown)	
50	1001266876	1	Decal, Faceplate	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-25. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) - WITH MECHANICAL HOUR METER (ALL SPECS EXCEPT CE & UK CA SPECS) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

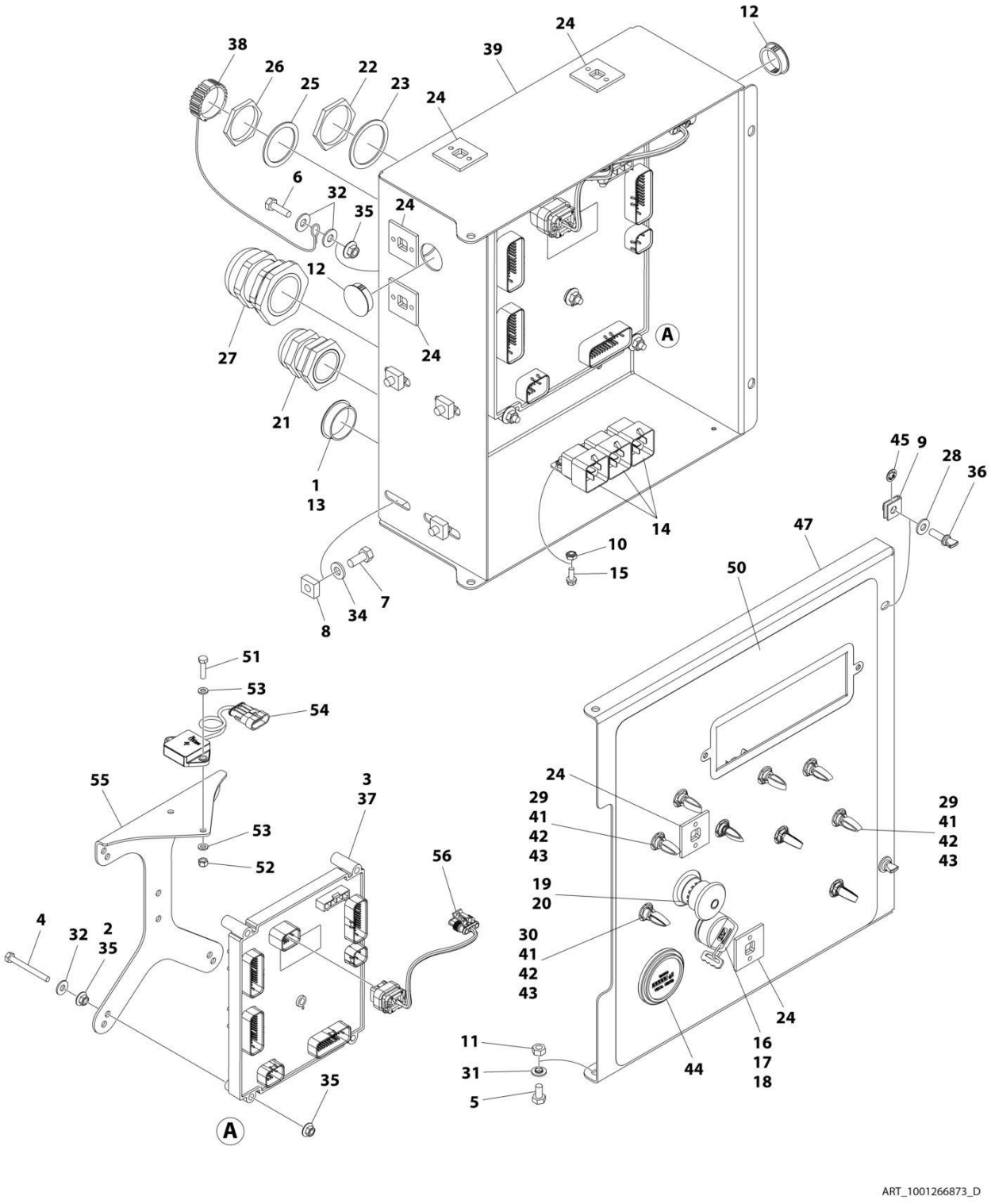


FIGURE 2-25. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) - WITH MECHANICAL HOUR METER (ALL SPECS EXCEPT CE & UK CA SPECS) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266873	Ref	GROUND CONTROL BOX ASSEMBLY	D
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop (Metal)	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
19	1001274559	1	Switch, Emergency Stop (Plastic)	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001152175	1	Plate	
40	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32-32	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001155045	9	Switch, Toggle	
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	
46	1001191868	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Plate	
48	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266665	NLA	Wire Diagram (Not Shown)	
50	1001266876	1	Decal, Faceplate	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-26. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) - WITH MECHANICAL HOUR METER (ALL SPECS EXCEPT CE & UK CA SPECS) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

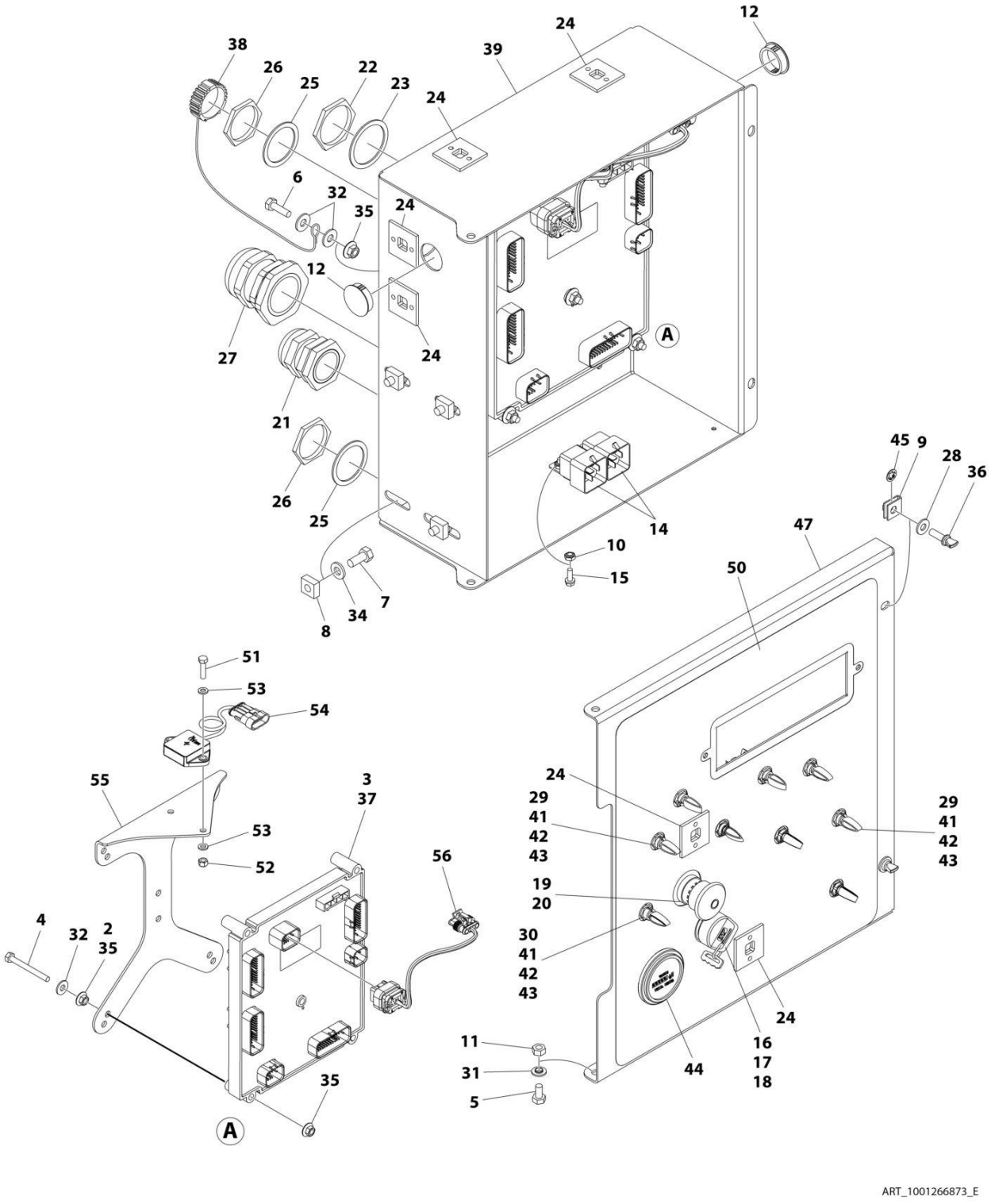


FIGURE 2-26. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) - WITH MECHANICAL HOUR METER (ALL SPECS EXCEPT CE & UK CA SPECS) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266873	Ref	GROUND CONTROL BOX ASSEMBLY	E
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop (Metal)	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
19	1001274559	1	Switch, Emergency Stop (Plastic)	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001287467	1	Plate	
40	1001284919	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32-32	
43	1001155045	9	Switch, Toggle	
44	10836804	1	Hour Meter	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001188874	2	Nut	
46	1001285378	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Plate	
48	1001285346	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001285801	NLA	Wire Diagram (Not Shown)	
50	1001266876	1	Decal, Faceplate	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-27. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (CE & UK CA SPECS) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

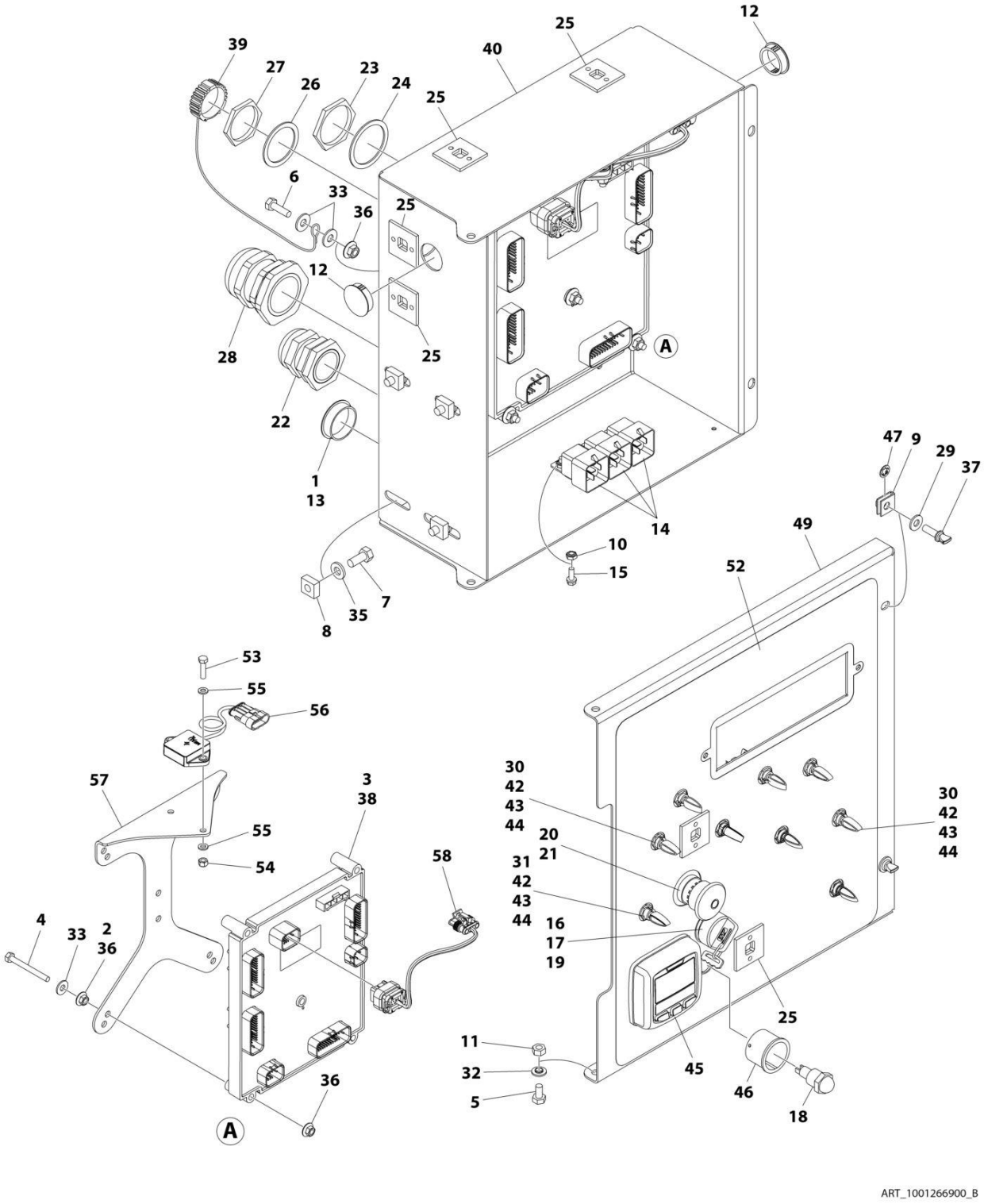


FIGURE 2-27. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (CE & UK CA SPECS) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266900	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360387	1	Switch, Push Button	
19	4360469	1	Switch, Key	
19	2860030	1	Key Replacement	
20	4360475	1	Switch, Emergency Stop	
20	7020175	1	Cap, Mushroom	
20	7020176	1	Block, Contact	
21	4360476	1	Switch, Contact Block	
22	4460426	1	Connector, Strain Relief	
23	4460470	1	Nut, Terminal	
24	4460471	1	Washer, Terminal	
25	4460488	6	Mounting Base, Terminal	
26	4460496	1	Washer, Terminal	
27	4460497	1	Nut, Terminal	
28	4460526	1	Connector, Strain Relief	
29	4711400	2	Washer 1/4	
30	4740397	8	Spacer	
31	4740444	1	Washer	
32	4740518	2	Washer	
33	4751400	7	Washer 1/4	
35	4891500	4	Washer 5/16	
36	77143013	11	Nut 1/4-20	
37	1001103308	2	Screw 1/4	
38	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
39	1001106736	1	Cap, Dust	
40	1001152175	1	Box	
41	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32-32	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001155045	9	Switch, Toggle	
45	1001171482	1	Gauge, Display	
46	1001176469	1	Shroud	
47	1001188874	2	Nut	
48	1001191868	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
49	1001263353	1	Lid	
50	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001266665	NLA	Wire Digram (Not Shown)	
52	1001266874	1	Decal, Faceplate	
53	0760612	2	Bolt M6 x 25	
54	3290605	2	Nut M6	
55	4811700	4	Washer M6	
56	1001219601	1	Sensor, Tilt Dual Axis CAN	
57	1001271794	1	Bracket, Tilt Sensor	
58	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-28. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (CE & UK CA SPECS) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

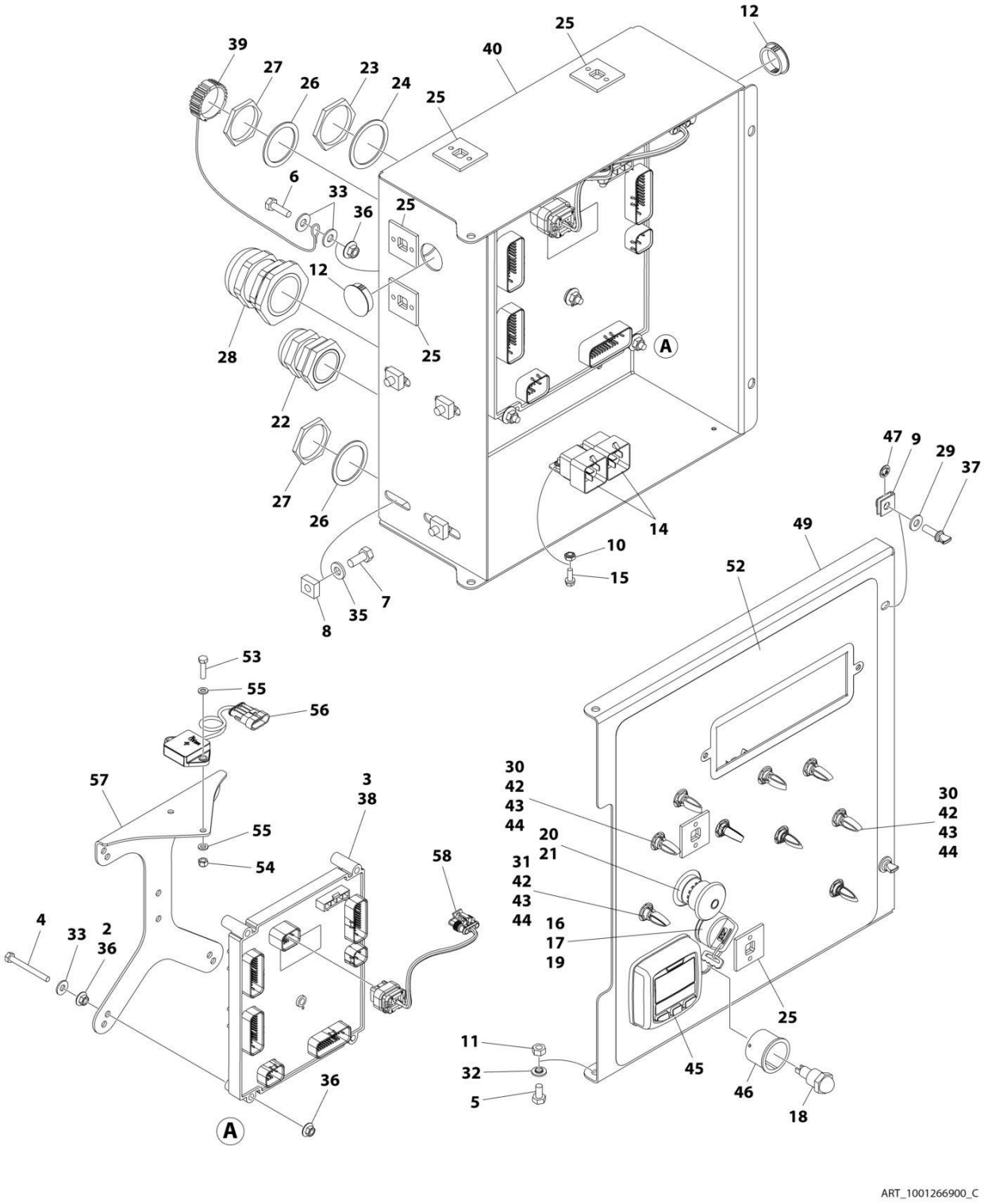


FIGURE 2-28. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (CE & UK CA SPECS) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266900	Ref	GROUND CONTROL BOX ASSEMBLY	C
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360387	1	Switch, Push Button	
19	4360469	1	Switch, Key	
19	2860030	1	Key Replacement	
20	4360475	1	Switch, Emergency Stop	
20	7020175	1	Cap, Mushroom	
20	7020176	1	Block, Contact	
21	4360476	1	Switch, Contact Block	
22	4460426	1	Connector, Strain Relief	
23	4460470	1	Nut, Terminal	
24	4460471	1	Washer, Terminal	
25	4460488	6	Mounting Base, Terminal	
26	4460496	2	Washer, Terminal	
27	4460497	2	Nut, Terminal	
28	4460526	1	Connector, Strain Relief	
29	4711400	2	Washer 1/4	
30	4740397	8	Spacer	
31	4740444	1	Washer	
32	4740518	2	Washer	
33	4751400	7	Washer 1/4	
35	4891500	4	Washer 5/16	
36	77143013	11	Nut 1/4-20	
37	1001103308	2	Screw 1/4	
38	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
39	1001106736	1	Cap, Dust	
40	1001287467	1	Box	
41	1001284919	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32-32	
44	1001155045	9	Switch, Toggle	
45	1001171482	1	Gauge, Display	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001176469	1	Shroud	
47	1001188874	2	Nut	
48	1001285378	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001263353	1	Lid	
50	1001285346	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001285801	NLA	Wire Digram (Not Shown)	
52	1001266874	1	Decal, Faceplate	
53	0760612	2	Bolt M6 x 25	
54	3290605	2	Nut M6	
55	4811700	4	Washer M6	
56	1001219601	1	Sensor, Tilt Dual Axis CAN	
57	1001271794	1	Bracket, Tilt Sensor	
58	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-29. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) - WITH DIGITAL DISPLAY

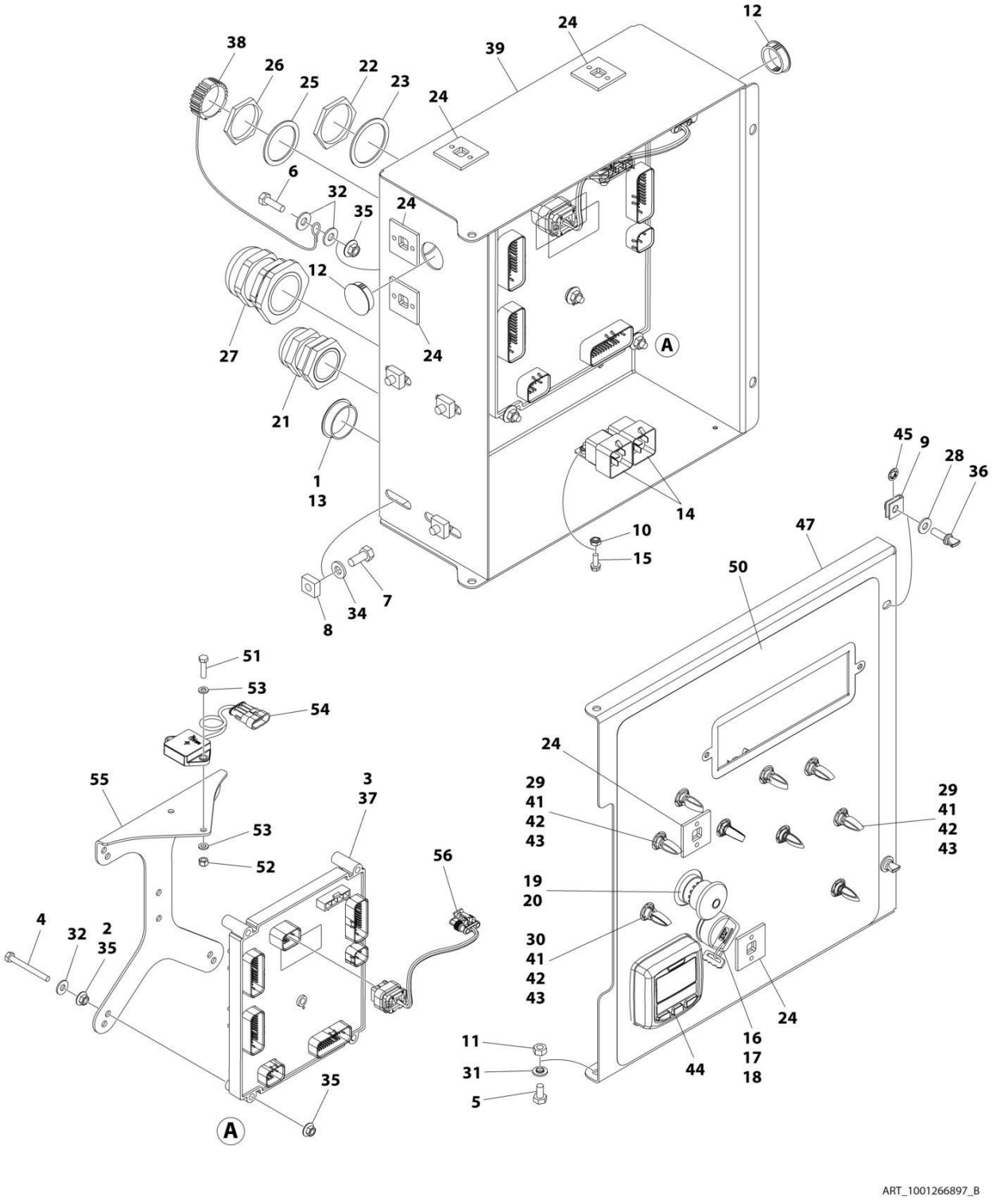


FIGURE 2-29. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) - WITH DIGITAL DISPLAY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266897	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001152175	1	Box	
40	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32-32	
43	1001155045	9	Switch, Toggle	
44	1001171482	1	Gauge	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001188874	2	Nut	
46	1001191866	1	Harness, Deutz TD2.9L4 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001263352	1	Lid	
48	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266665	NLA	Wire Diagram (Not Shown)	
50	1001266876	1	Decal, Faceplate	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-30. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) - WITH MECHANICAL HOUR METER (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

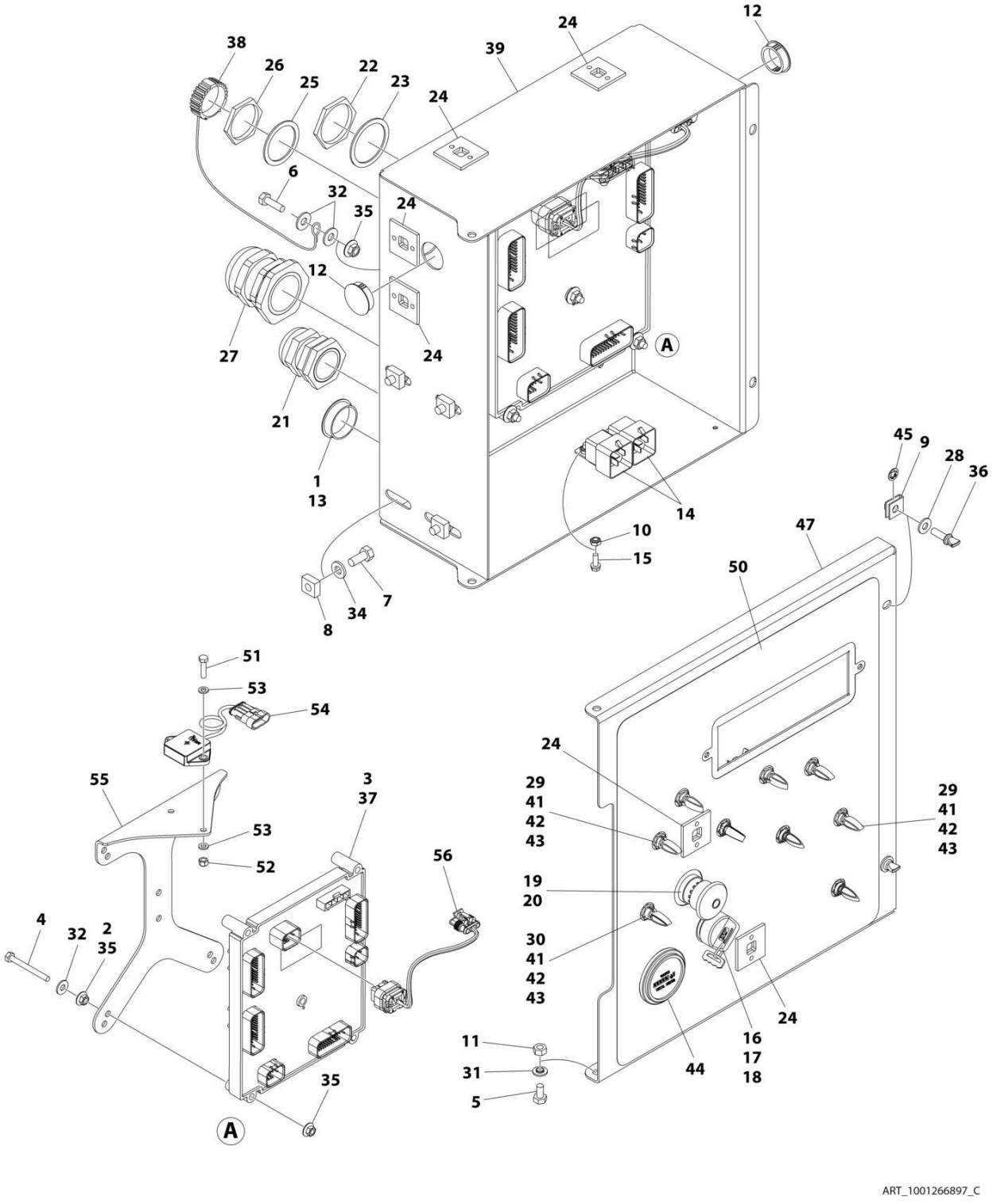


FIGURE 2-30. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) - WITH MECHANICAL HOUR METER (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266897	Ref	GROUND CONTROL BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001152175	1	Box	
40	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32-32	
43	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	
46	1001191866	1	Harness, Deutz TD2.9L4 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Lid	
48	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266665	NLA	Wire Diagram (Not Shown)	
50	1001266876	1	Decal, Faceplate	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-31. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) - WITH MECHANICAL HOUR METER (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

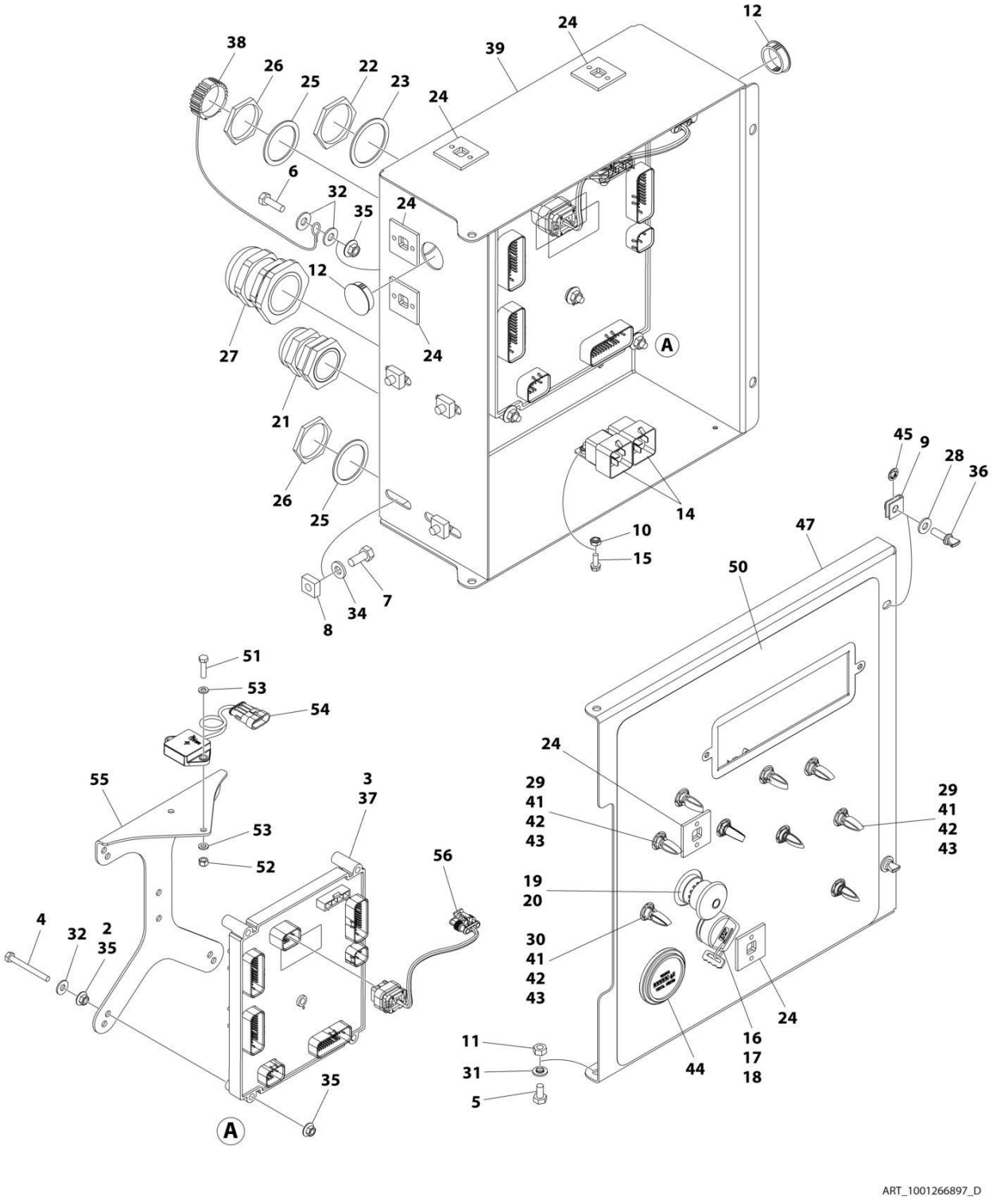


FIGURE 2-31. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) - WITH MECHANICAL HOUR METER (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266897	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001287467	1	Box	
40	1001284919	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32-32	
43	1001155045	9	Switch, Toggle	
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001286030	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Lid	
48	1001285346	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001285801	NLA	Wire Diagram (Not Shown)	
50	1001266876	1	Decal, Faceplate	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-32. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) - WITH DIGITAL DISPLAY

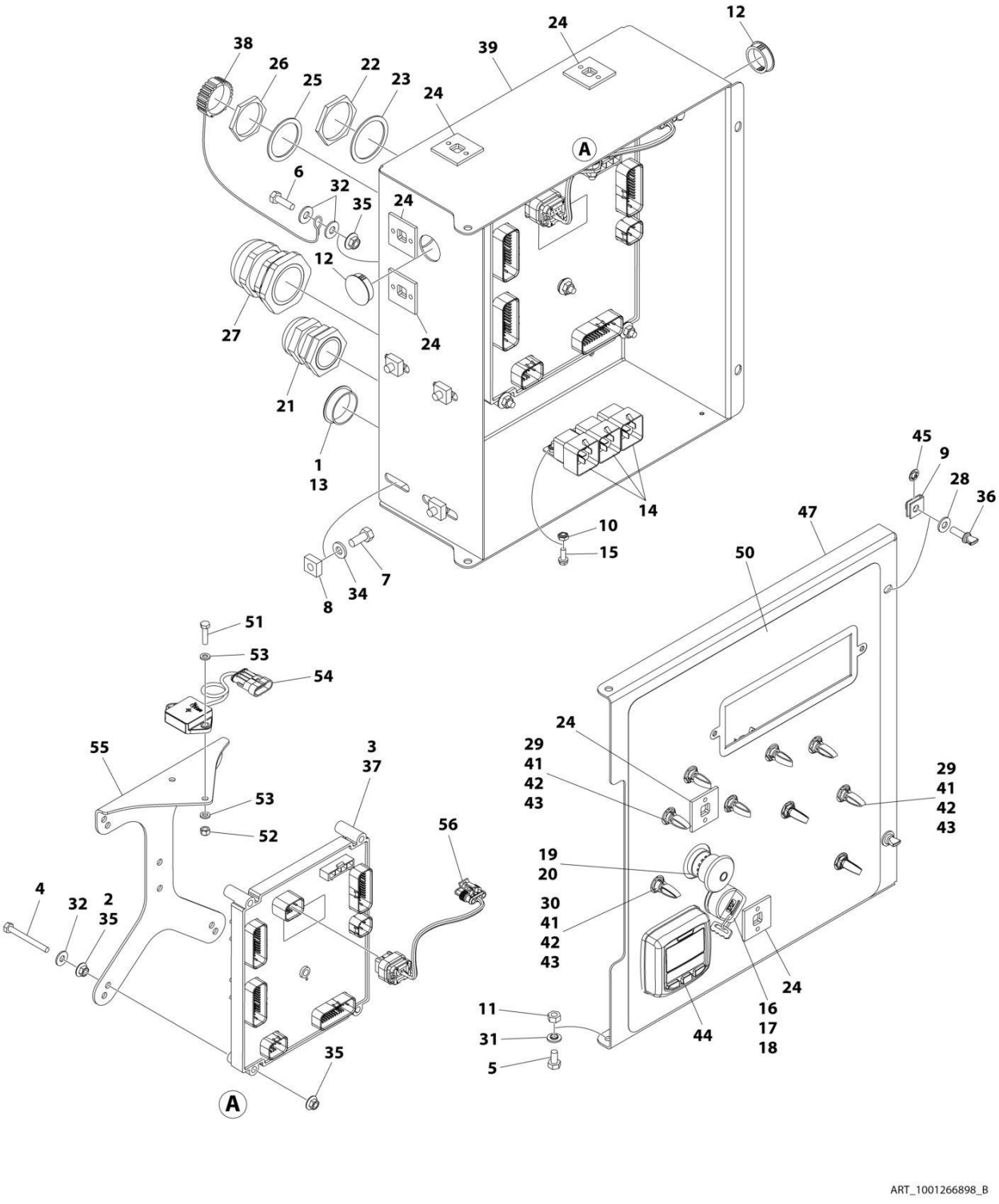


FIGURE 2-32. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) - WITH DIGITAL DISPLAY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266898	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001152175	1	Box	
40	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32-32	
43	1001155045	9	Switch, Toggle	
44	1001171482	1	Gauge	
45	1001188874	2	Nut	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001214507	1	Harness, Ford DF 2.5L Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001263352	1	Lid	
48	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266665	NLA	Wire Diagram (Not Shown)	
50	1001266876	1	Decal, Faceplate	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-33. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) - WITH MECHANICAL HOUR METER (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

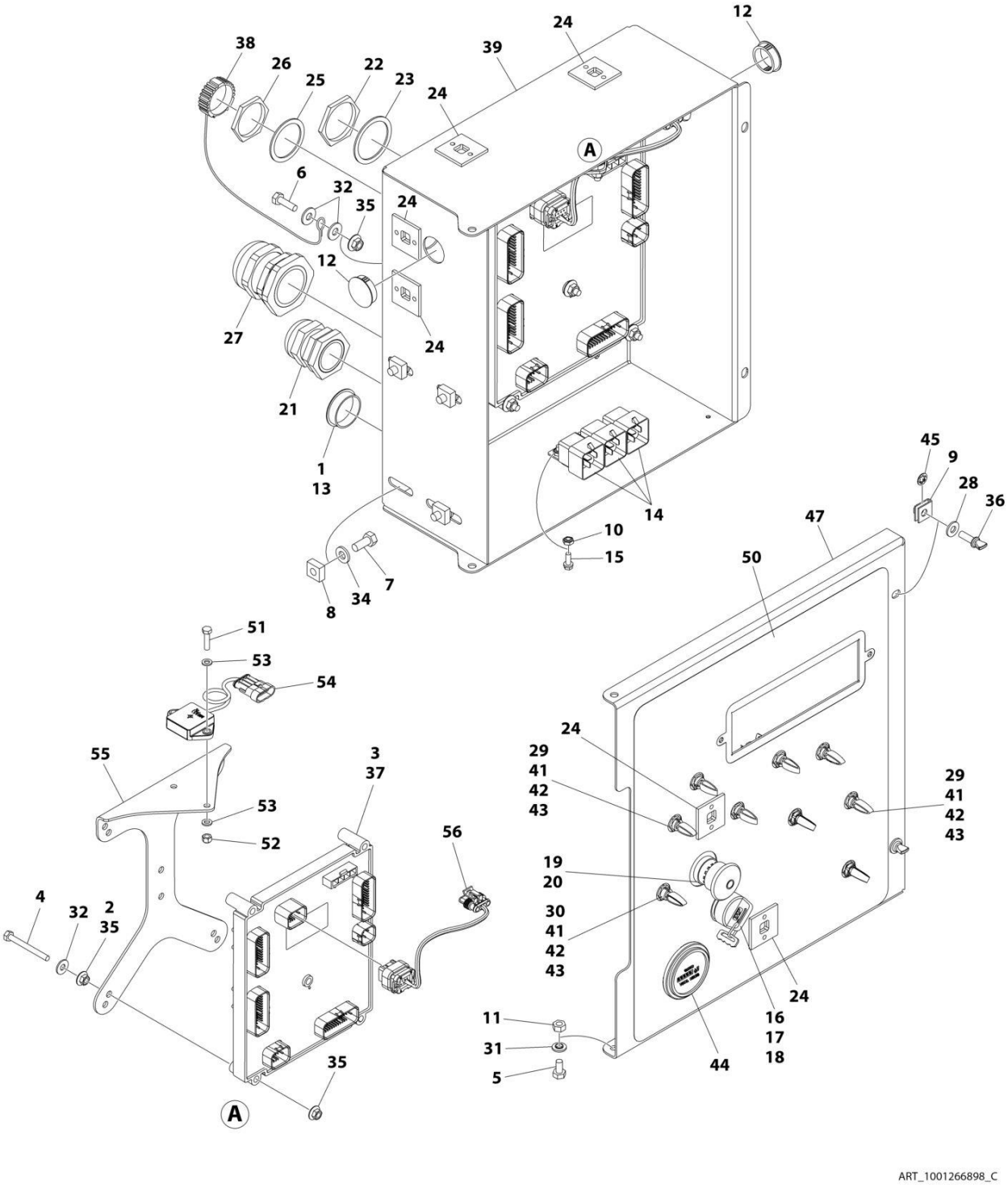


FIGURE 2-33. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) - WITH MECHANICAL HOUR METER (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266898	Ref	GROUND CONTROL BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001152175	1	Box	
40	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32-32	
43	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	
46	1001214507	1	Harness, Ford DF 2.5L Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Lid	
48	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266665	NLA	Wire Diagram (Not Shown)	
50	1001266876	1	Decal, Faceplate	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-34. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) - WITH MECHANICAL HOUR METER (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

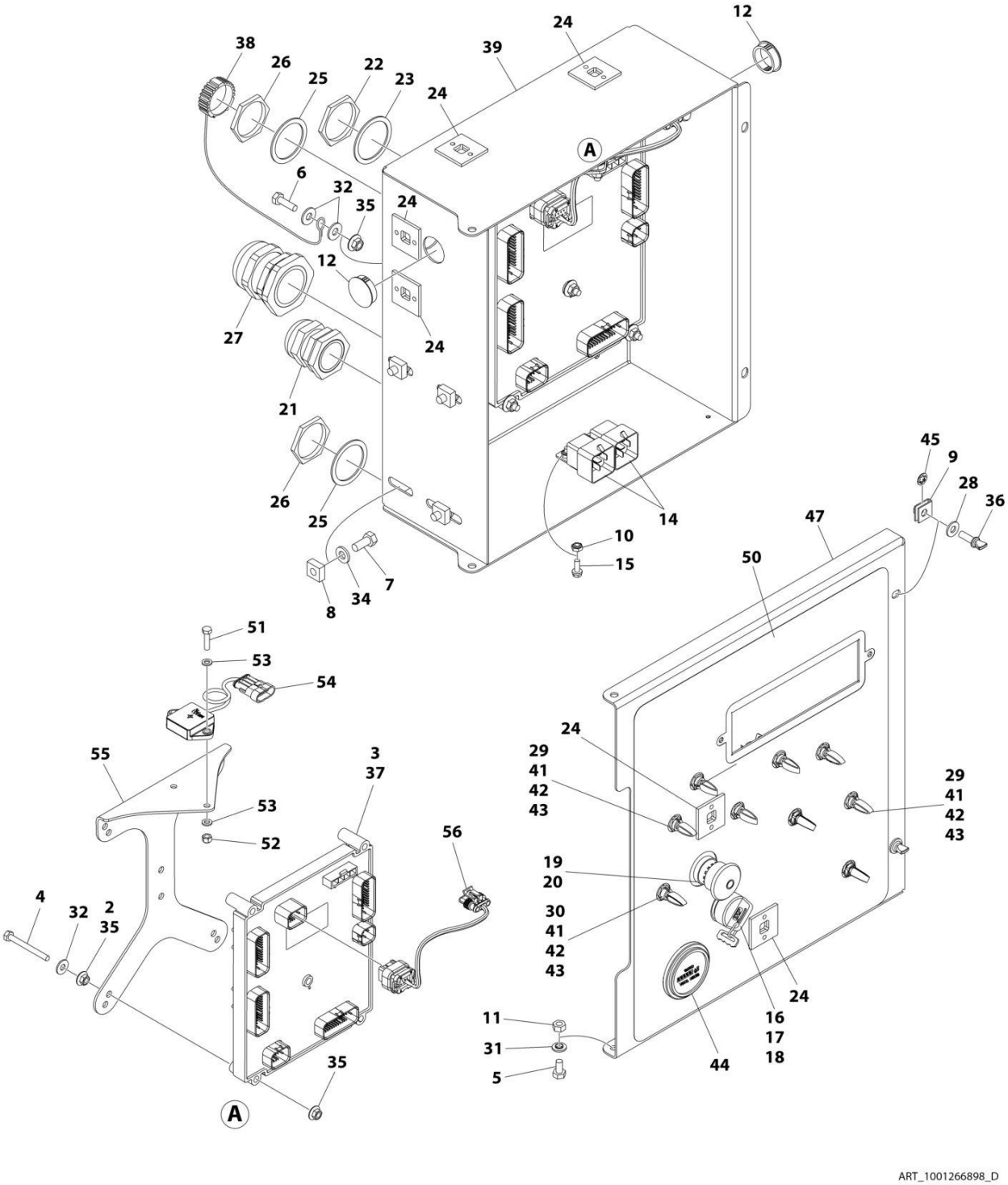


FIGURE 2-34. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) - WITH MECHANICAL HOUR METER (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266898	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001287467	1	Box	
40	1001284919	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32-32	
43	1001155045	9	Switch, Toggle	
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001286031	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Lid	
48	1001285346	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001285801	NLA	Wire Diagram (Not Shown)	
50	1001266876	1	Decal, Faceplate	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-35. GROUND CONTROL BOX ASSEMBLY (DEUTZ TD2.2L3 ENGINE)

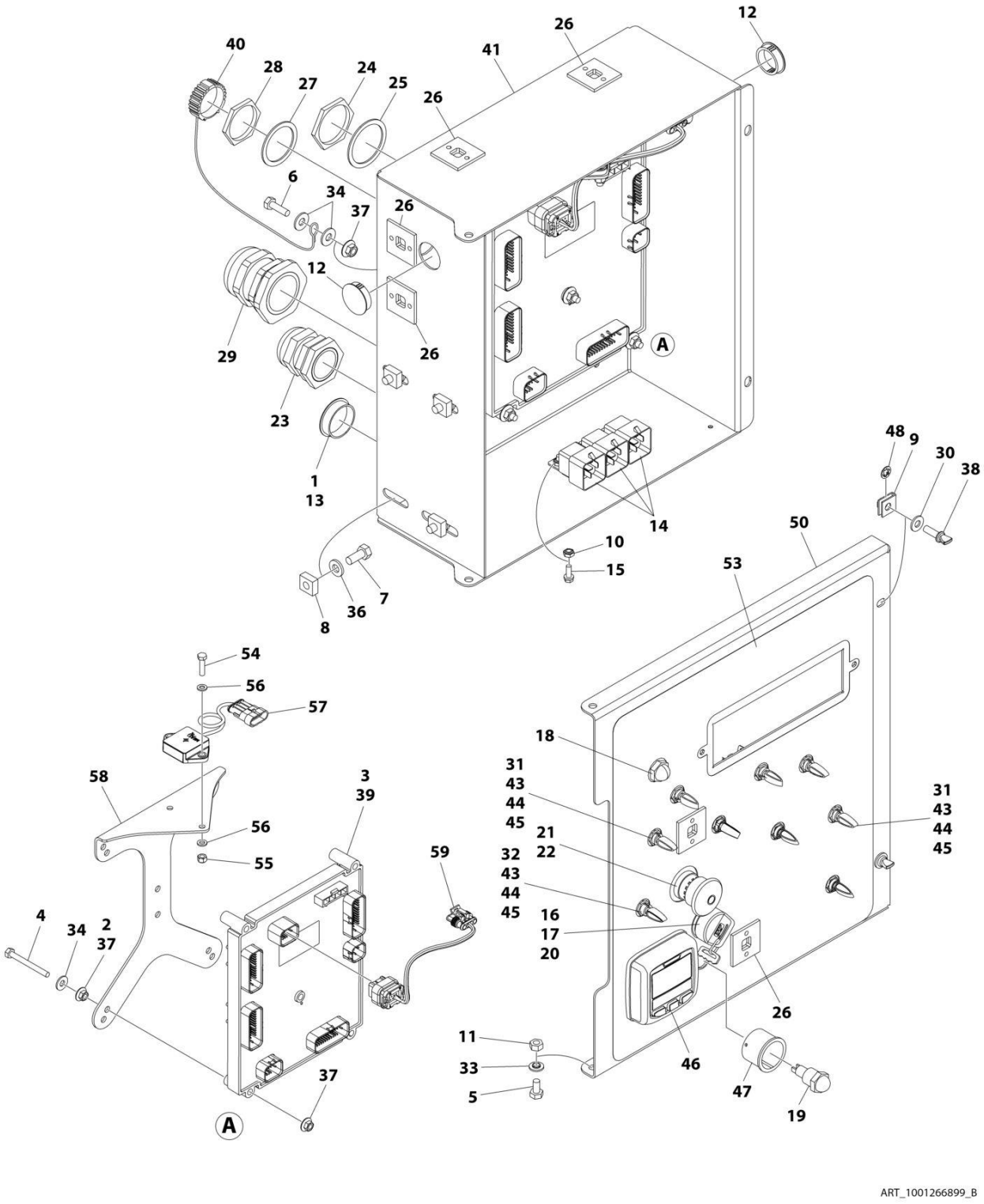


FIGURE 2-35. GROUND CONTROL BOX ASSEMBLY (DEUTZ TD2.2L3 ENGINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266899	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360274	1	Switch, Push Button	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1	Key Replacement	
21	4360475	1	Switch, Emergency Stop	
21	7020175	1	Cap, Mushroom	
21	7020176	1	Block, Contact	
22	4360476	1	Switch, Contact Block	
23	4460426	1	Connector, Strain Relief	
24	4460470	1	Nut, Terminal	
25	4460471	1	Washer, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	1	Washer, Terminal	
28	4460497	1	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4711400	2	Washer 1/4	
31	4740397	8	Spacer	
32	4740444	1	Washer	
33	4740518	2	Washer	
34	4751400	7	Washer 1/4	
36	4891500	4	Washer 5/16	
37	77143013	11	Nut 1/4-20	
38	1001103308	2	Screw 1/4	
39	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
40	1001106736	1	Cap, Dust	
41	1001152175	1	Box	
42	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001155043	9	Washer	
44	1001155044	9	Nut 15/32-32	
45	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001171482	1	Gauge	
47	1001176469	1	Shroud	
48	1001188874	2	Nut	
49	1001191866	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
50	1001263353	1	Lid	
51	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
52	1001266665	NLA	Wire Diagram (Not Shown)	
53	1001266878	1	Decal, Faceplate	
54	0760612	2	Bolt M6 x 25	
55	3290605	2	Nut M6	
56	4811700	4	Washer M6	
57	1001219601	1	Sensor, Tilt Dual Axis CAN	
58	1001271794	1	Bracket, Tilt Sensor	
59	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-36. GROUND CONTROL BOX ASSEMBLY (DEUTZ TD2.2L3 ENGINE) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

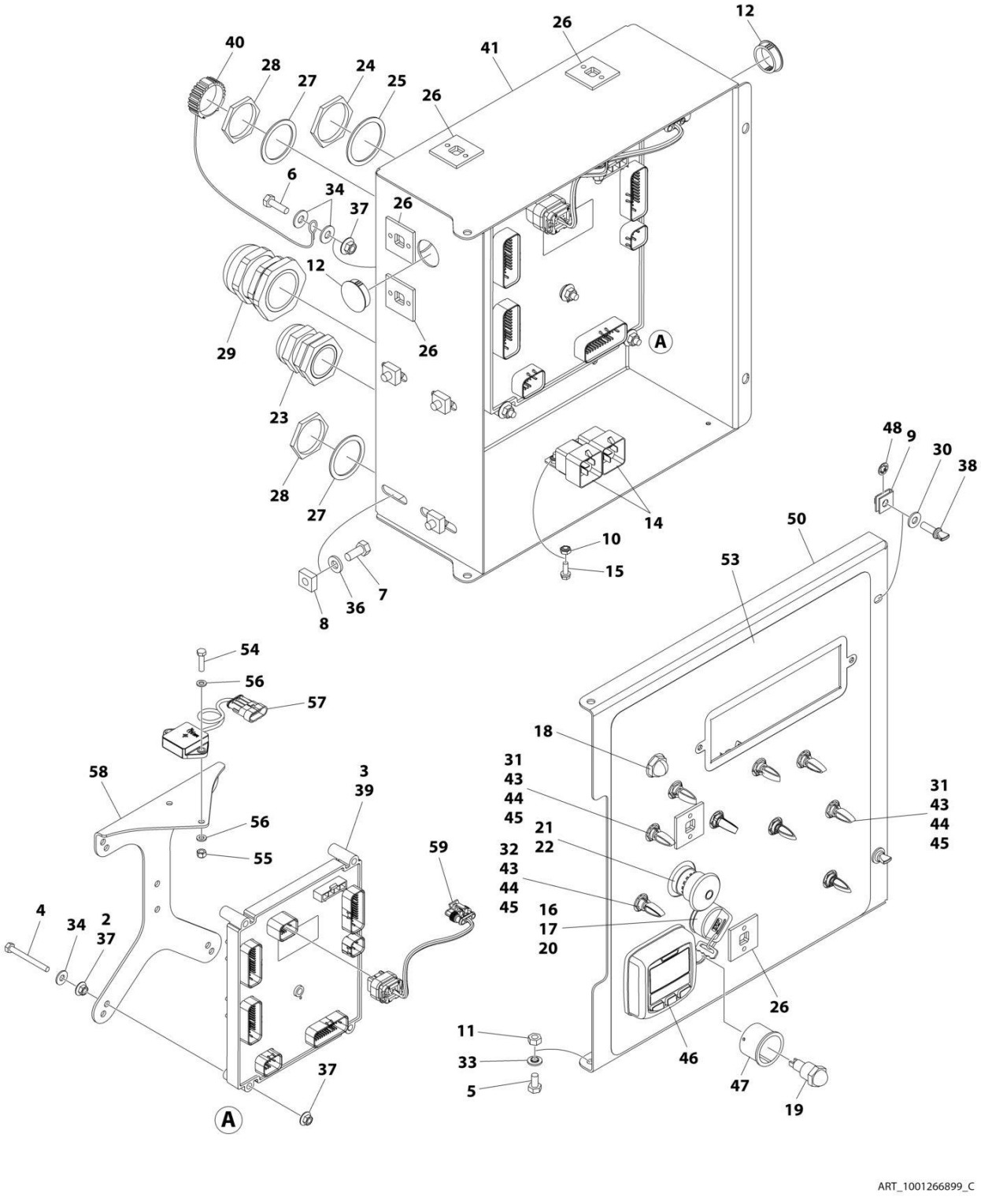


FIGURE 2-36. GROUND CONTROL BOX ASSEMBLY (DEUTZ TD2.2L3 ENGINE) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266899	Ref	GROUND CONTROL BOX ASSEMBLY	C
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360274	1	Switch, Push Button	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1	Key Replacement	
21	4360475	1	Switch, Emergency Stop	
21	7020175	1	Cap, Mushroom	
21	7020176	1	Block, Contact	
22	4360476	1	Switch, Contact Block	
23	4460426	1	Connector, Strain Relief	
24	4460470	1	Nut, Terminal	
25	4460471	1	Washer, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	2	Washer, Terminal	
28	4460497	2	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4711400	2	Washer 1/4	
31	4740397	8	Spacer	
32	4740444	1	Washer	
33	4740518	2	Washer	
34	4751400	7	Washer 1/4	
36	4891500	4	Washer 5/16	
37	77143013	11	Nut 1/4-20	
38	1001103308	2	Screw 1/4	
39	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
40	1001106736	1	Cap, Dust	
41	1001287467	1	Box	
42	1001284919	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001155043	9	Washer	
44	1001155044	9	Nut 15/32-32	
45	1001155045	9	Switch, Toggle	
46	1001171482	1	Gauge	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001176469	1	Shroud	
48	1001188874	2	Nut	
49	1001286030	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
50	1001263353	1	Lid	
51	1001285346	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
52	1001285801	NLA	WIRE DIA,MTB 600A	
53	1001266878	1	Decal, Faceplate	
54	0760612	2	Bolt M6 x 25	
55	3290605	2	Nut M6	
56	4811700	4	Washer M6	
57	1001219601	1	Sensor, Tilt Dual Axis CAN	
58	1001271794	1	Bracket, Tilt Sensor	
59	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-37. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (TOWER STOW) - WITH DIGITAL DISPLAY (ANSI EXPORT (LRC), AUSTRAILIAN & CHINEASE SPECS) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

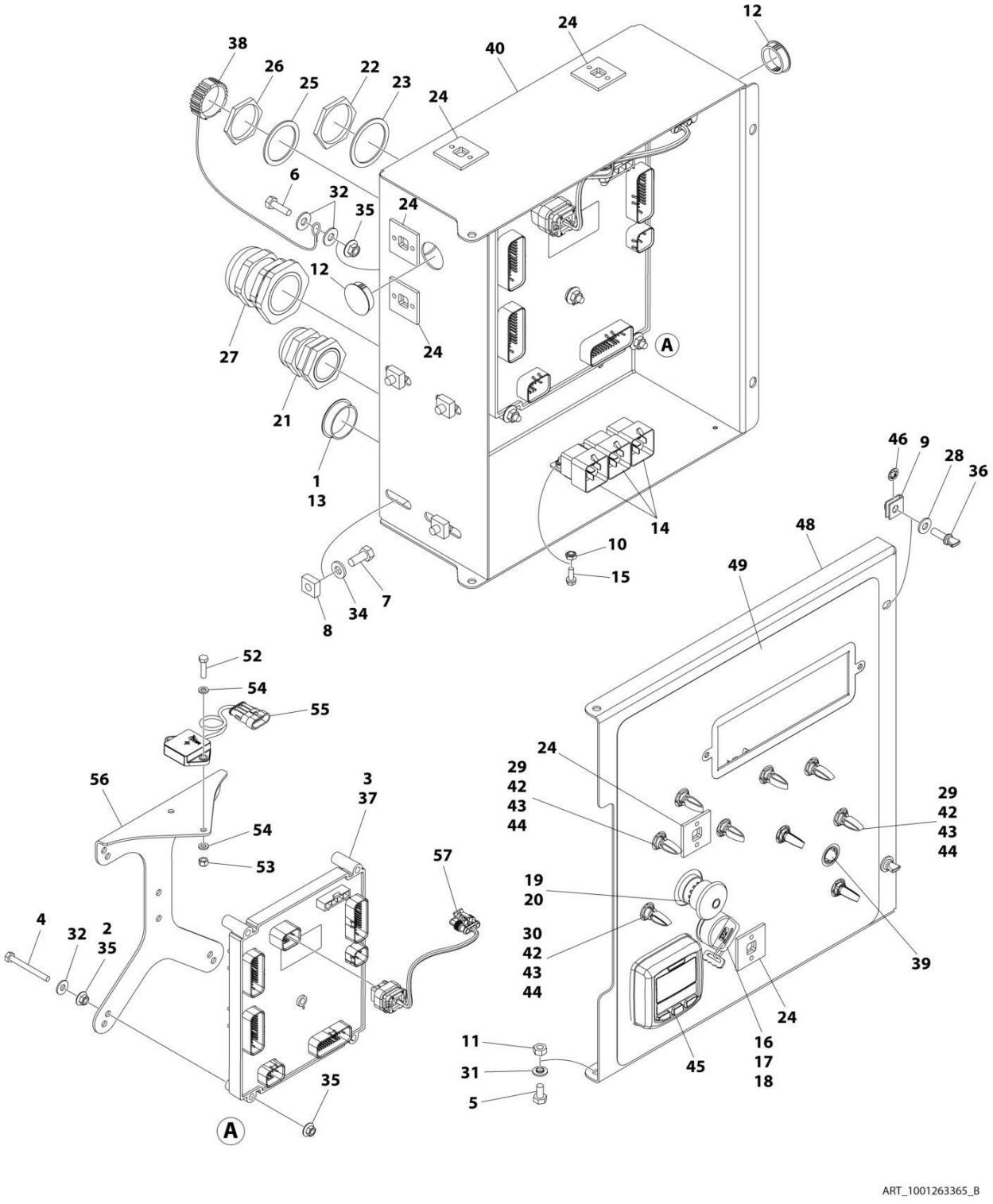


FIGURE 2-37. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (TOWER STOW) - WITH DIGITAL DISPLAY (ANSI EXPORT (LRC), AUSTRAILIAN & CHINEASE SPECS) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263365	Ref	CONSOLE BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001137364	1	Lamp	
40	1001152175	1	Box	
41	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32-32	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001155045	9	Switch, Toggle	
45	1001171482	1	Gauge	
46	1001188874	2	Nut	
47	1001191868	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001263352	1	Lid	
49	1001263356	1	Decal, Faceplate	
50	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001266665	NLA	Wire Diagram (Not Shown)	
52	0760612	2	Bolt M6 x 25	
53	3290605	2	Nut M6	
54	4811700	4	Washer M6	
55	1001219601	1	Sensor, Tilt Dual Axis CAN	
56	1001271794	1	Bracket, Tilt Sensor	
57	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-38. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC), AUSTRAILIAN & CHINEASE SPECS) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

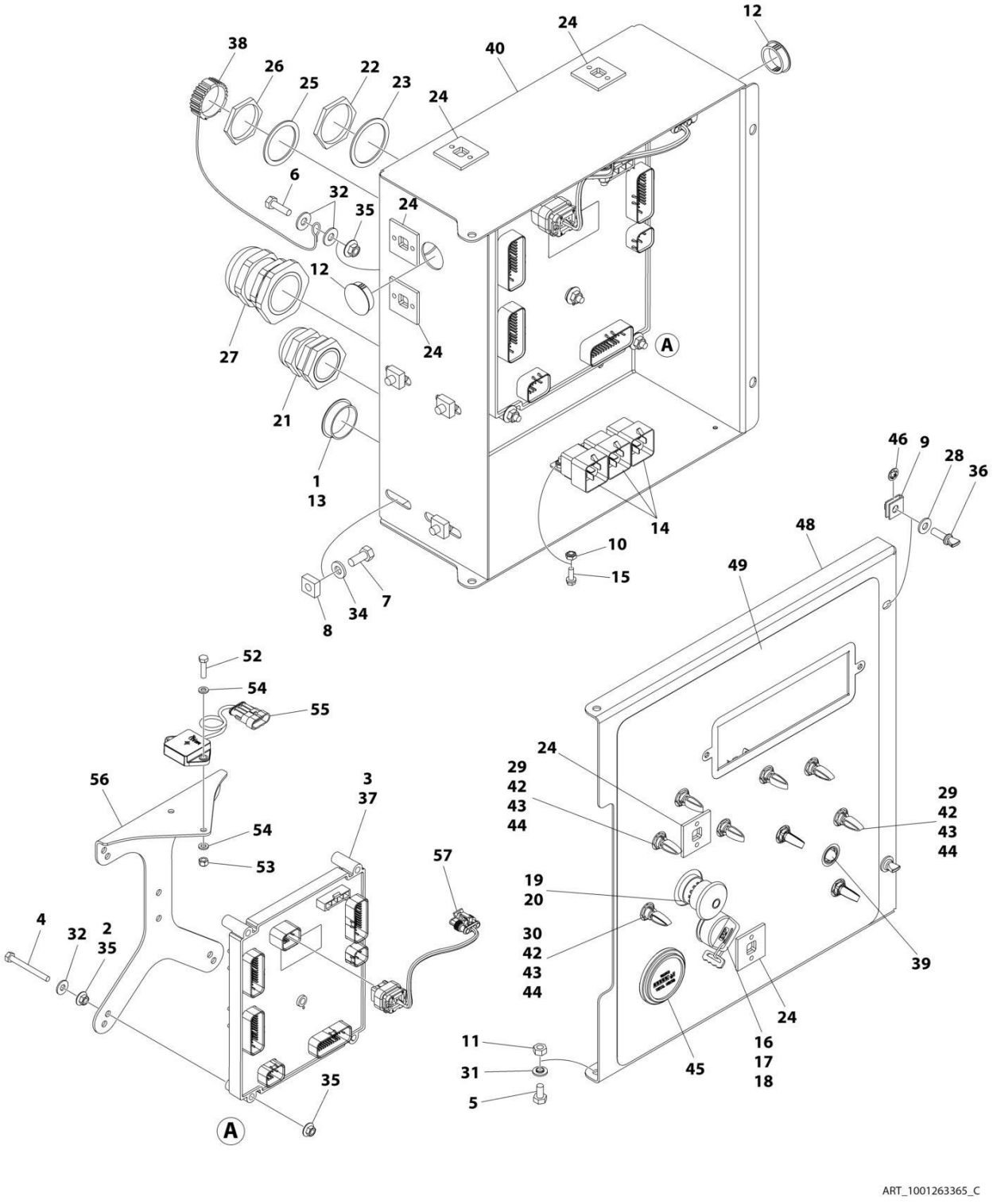


FIGURE 2-38. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC), AUSTRAILIAN & CHINEASE SPECS) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263365	Ref	CONSOLE BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001137364	1	Lamp	
40	1001152175	1	Box	
41	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32-32	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001155045	9	Switch, Toggle	
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001191868	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001280403	1	Lid	
49	1001263356	1	Decal, Faceplate	
50	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001266665	NLA	Wire Diagram (Not Shown)	
52	0760612	2	Bolt M6 x 25	
53	3290605	2	Nut M6	
54	4811700	4	Washer M6	
55	1001219601	1	Sensor, Tilt Dual Axis CAN	
56	1001271794	1	Bracket, Tilt Sensor	
57	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-39. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC), AUSTRAILIAN & CHINEASE SPECS) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

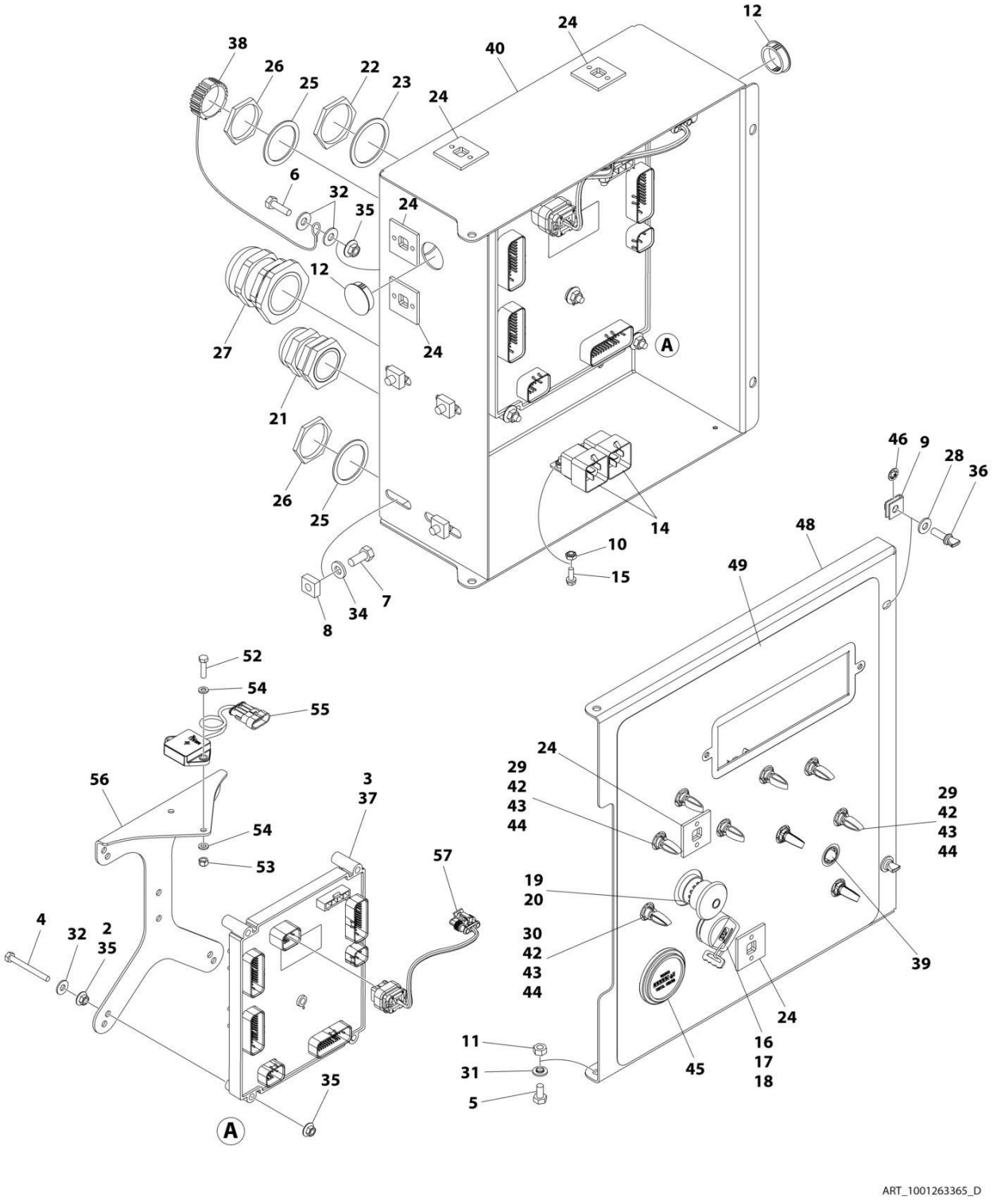


FIGURE 2-39. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC), AUSTRAILIAN & CHINEASE SPECS) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263365	Ref	CONSOLE BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001137364	1	Lamp	
40	1001287467	1	Box	
41	1001284919	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32-32	
44	1001155045	9	Switch, Toggle	
45	10836804	1	Hour Meter	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001188874	2	Nut	
47	1001285378	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001280403	1	Lid	
49	1001263356	1	Decal, Faceplate	
50	1001285346	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001285801	NLA	Wire Diagram (Not Shown)	
52	0760612	2	Bolt M6 x 25	
53	3290605	2	Nut M6	
54	4811700	4	Washer M6	
55	1001219601	1	Sensor, Tilt Dual Axis CAN	
56	1001271794	1	Bracket, Tilt Sensor	
57	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-40. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (TOWER STOW) (CE & UK CA SPECS) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

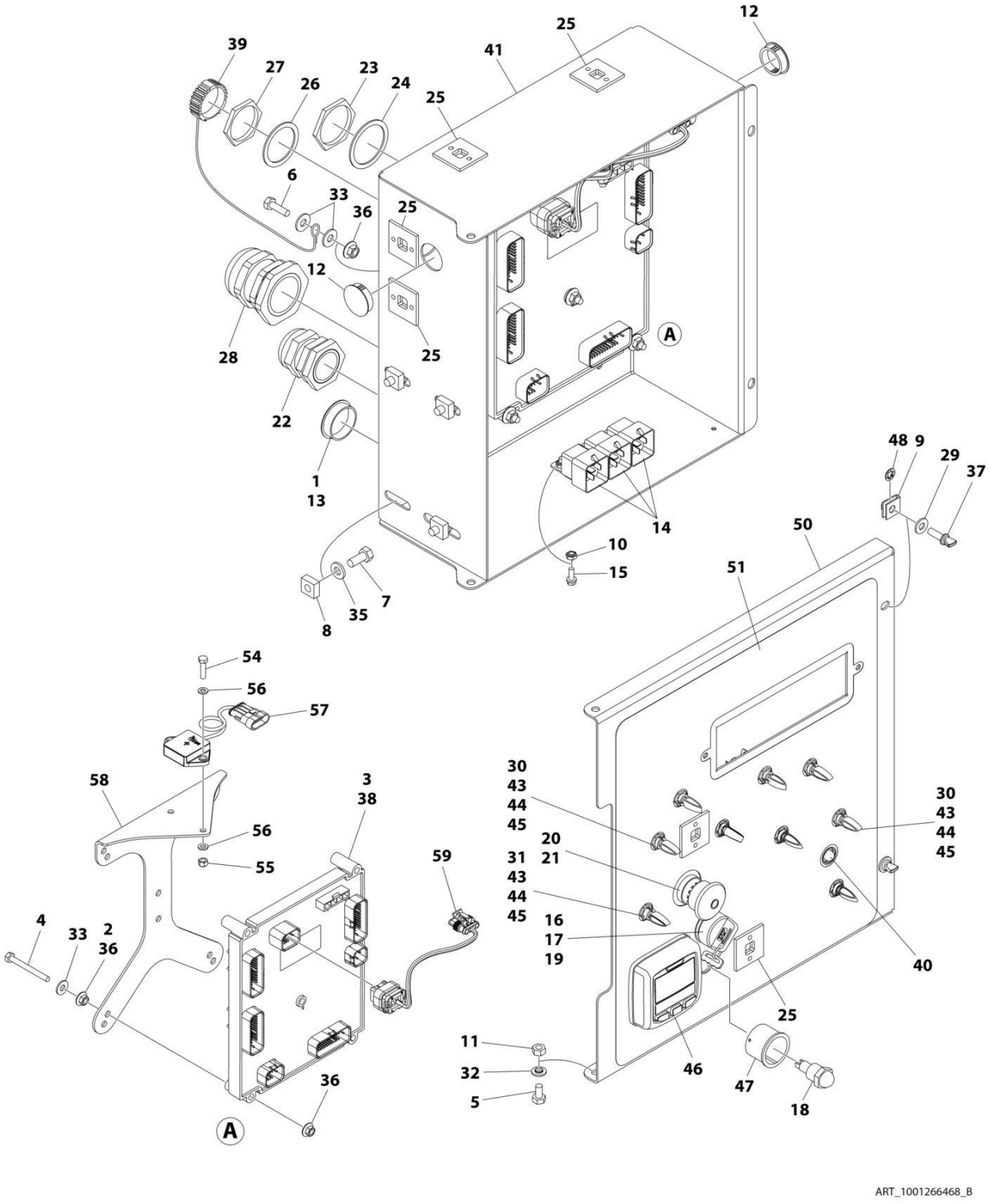


FIGURE 2-40. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (TOWER STOW) (CE & UK CA SPECS) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266468	Ref	CONSOLE BOX ASSEMBLY (TOWER STOW) (CE & UK CA SPEC)	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360387	1	Switch, Push Button	
19	4360469	1	Switch, Key	
19	2860030	1	Key Replacement	
20	4360475	1	Switch, Emergency Stop	
20	7020175	1	Cap, Mushroom	
20	7020176	1	Block, Contact	
21	4360476	1	Switch, Contact Block	
22	4460426	1	Connector, Strain Relief	
23	4460470	1	Nut, Terminal	
24	4460471	1	Washer, Terminal	
25	4460488	6	Mounting Base, Terminal	
26	4460496	1	Washer, Terminal	
27	4460497	1	Nut, Terminal	
28	4460526	1	Connector, Strain Relief	
29	4711400	2	Washer 1/4	
30	4740397	8	Spacer	
31	4740444	1	Washer	
32	4740518	2	Washer	
33	4751400	7	Washer 1/4	
35	4891500	4	Washer 5/16	
36	77143013	11	Nut 1/4-20	
37	1001103308	2	Screw 1/4	
38	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
39	1001106736	1	Cap, Dust	
40	1001137364	1	Lamp	
41	1001152175	1	Box	
42	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001155043	9	Washer	
44	1001155044	9	Nut 15/32-32	
45	1001155045	9	Switch, Toggle	
46	1001171482	1	Gauge	
47	1001176469	1	Shroud	
48	1001188874	2	Nut	
49	1001191868	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
50	1001263353	1	Lid	
51	1001263355	1	Decal, Faceplate	
52	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
53	1001266665	NLA	Wire Diagram (Not Shown)	
54	0760612	2	Bolt M6 x 25	
55	3290605	2	Nut M6	
56	4811700	4	Washer M6	
57	1001219601	1	Sensor, Tilt Dual Axis CAN	
58	1001271794	1	Bracket, Tilt Sensor	
59	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-41. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (TOWER STOW) (CE & UK CA SPECS) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

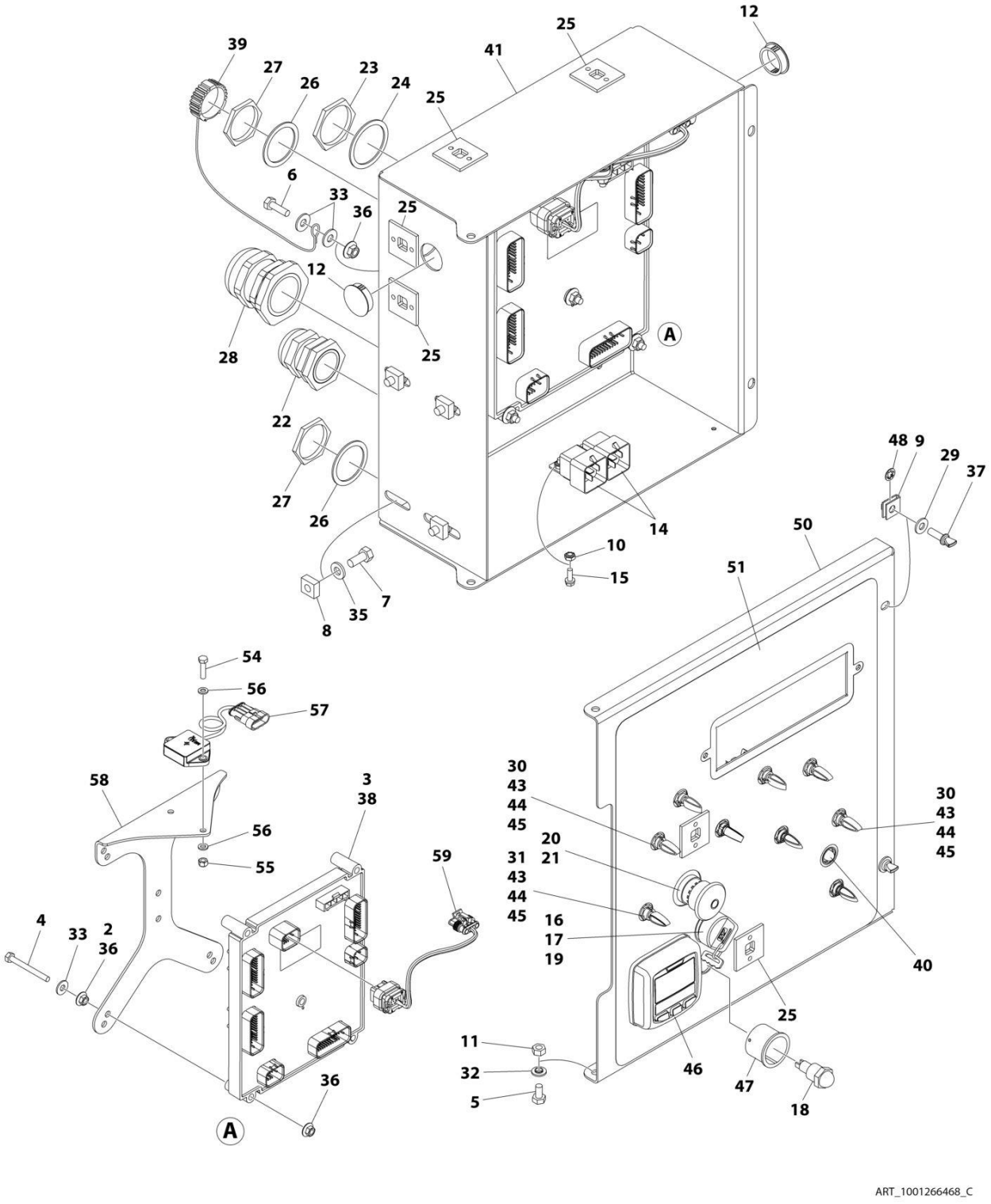


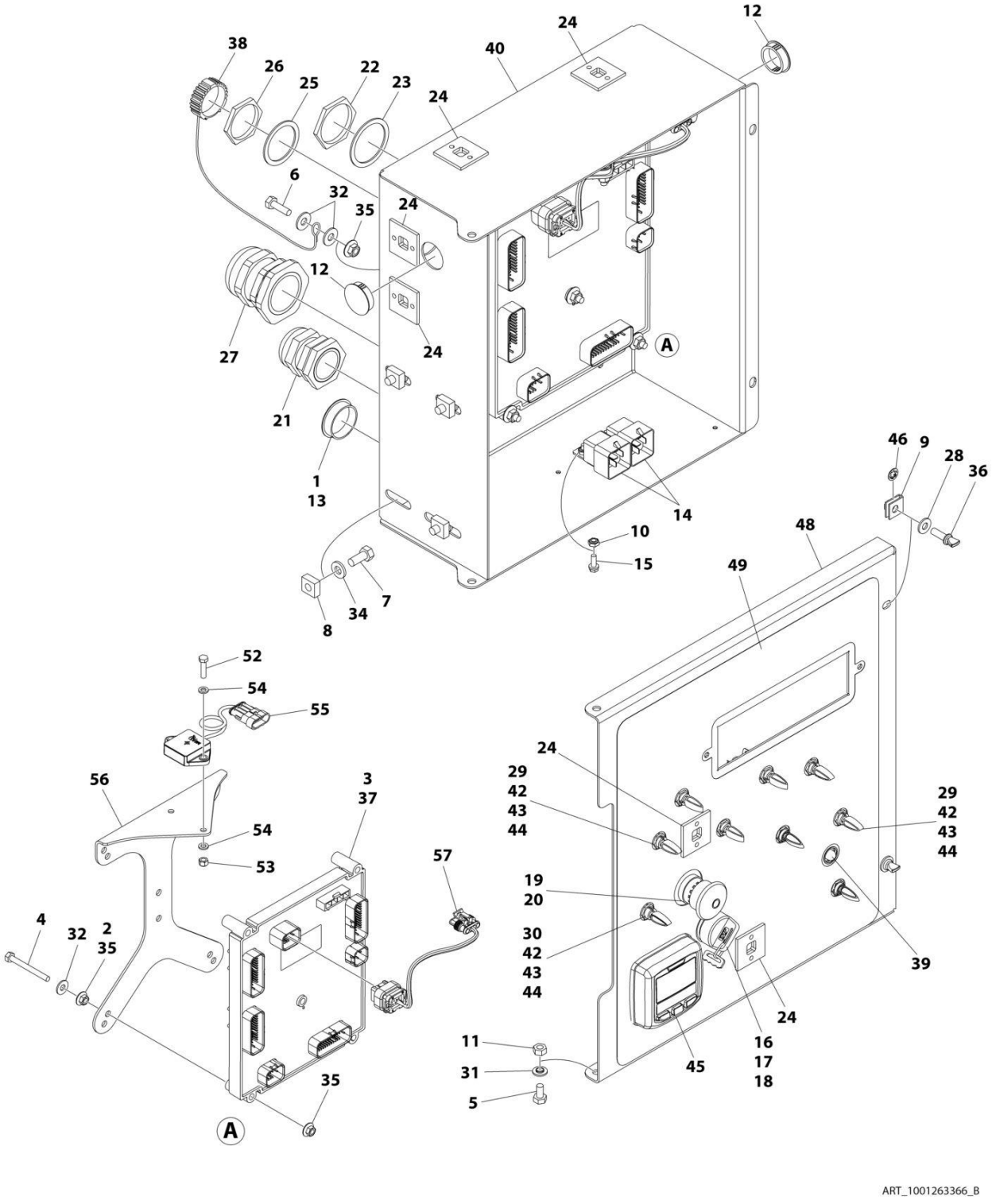
FIGURE 2-41. GROUND CONTROL BOX ASSEMBLY (DEUTZ D2011 ENGINE) (TOWER STOW) (CE & UK CA SPECS) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266468	Ref	CONSOLE BOX ASSEMBLY (TOWER STOW) (CE & UK CA SPEC)	C
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360387	1	Switch, Push Button	
19	4360469	1	Switch, Key	
19	2860030	1	Key Replacement	
20	4360475	1	Switch, Emergency Stop	
20	7020175	1	Cap, Mushroom	
20	7020176	1	Block, Contact	
21	4360476	1	Switch, Contact Block	
22	4460426	1	Connector, Strain Relief	
23	4460470	1	Nut, Terminal	
24	4460471	1	Washer, Terminal	
25	4460488	6	Mounting Base, Terminal	
26	4460496	2	Washer, Terminal	
27	4460497	2	Nut, Terminal	
28	4460526	1	Connector, Strain Relief	
29	4711400	2	Washer 1/4	
30	4740397	8	Spacer	
31	4740444	1	Washer	
32	4740518	2	Washer	
33	4751400	7	Washer 1/4	
35	4891500	4	Washer 5/16	
36	77143013	11	Nut 1/4-20	
37	1001103308	2	Screw 1/4	
38	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
39	1001106736	1	Cap, Dust	
40	1001137364	1	Lamp	
41	1001287467	1	Box	
42	1001284919	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001155043	9	Washer	
44	1001155044	9	Nut 15/32-32	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001155045	9	Switch, Toggle	
46	1001171482	1	Gauge	
47	1001176469	1	Shroud	
48	1001188874	2	Nut	
49	1001285378	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
50	1001263353	1	Lid	
51	1001263355	1	Decal, Faceplate	
52	1001285346	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
53	1001285801	NLA	Wire Diagram (Not Shown)	
54	0760612	2	Bolt M6 x 25	
55	3290605	2	Nut M6	
56	4811700	4	Washer M6	
57	1001219601	1	Sensor, Tilt Dual Axis CAN	
58	1001271794	1	Bracket, Tilt Sensor	
59	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-42. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) (TOWER STOW) - WITH DIGITAL DISPLAY



ART_1001263366_B

FIGURE 2-42. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) (TOWER STOW) - WITH DIGITAL DISPLAY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263366	Ref	CONSOLE BOX ASSEMBLY (TOWER STOW)	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001137364	1	Lamp	
40	1001152175	1	Box	
41	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32-32	
44	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001171482	1	Gauge	
46	1001188874	2	Nut	
47	1001191866	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001263352	1	Lid	
49	1001263356	1	Decal, Faceplate	
50	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001266665	NLA	Wire Diagram (Not Shown)	
52	0760612	2	Bolt M6 x 25	
53	3290605	2	Nut M6	
54	4811700	4	Washer M6	
55	1001219601	1	Sensor, Tilt Dual Axis CAN	
56	1001271794	1	Bracket, Tilt Sensor	
57	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-43. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

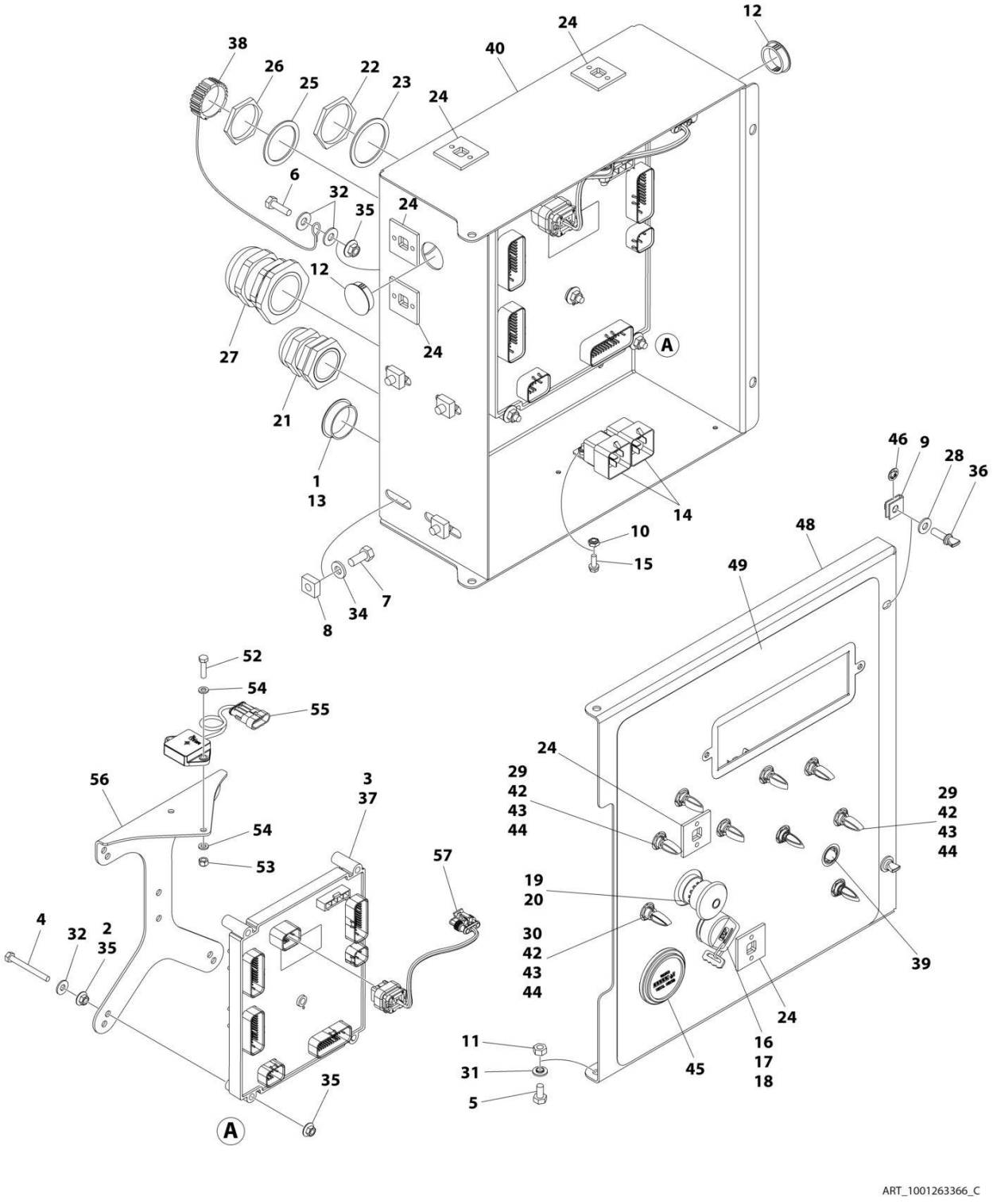


FIGURE 2-43. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263366	Ref	CONSOLE BOX ASSEMBLY (TOWER STOW)	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001137364	1	Lamp	
40	1001152175	1	Box	
41	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32-32	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001155045	9	Switch, Toggle	
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001191866	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001280403	1	Lid	
49	1001263356	1	Decal, Faceplate	
50	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001266665	NLA	Wire Diagram (Not Shown)	
52	0760612	2	Bolt M6 x 25	
53	3290605	2	Nut M6	
54	4811700	4	Washer M6	
55	1001219601	1	Sensor, Tilt Dual Axis CAN	
56	1001271794	1	Bracket, Tilt Sensor	
57	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-44. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

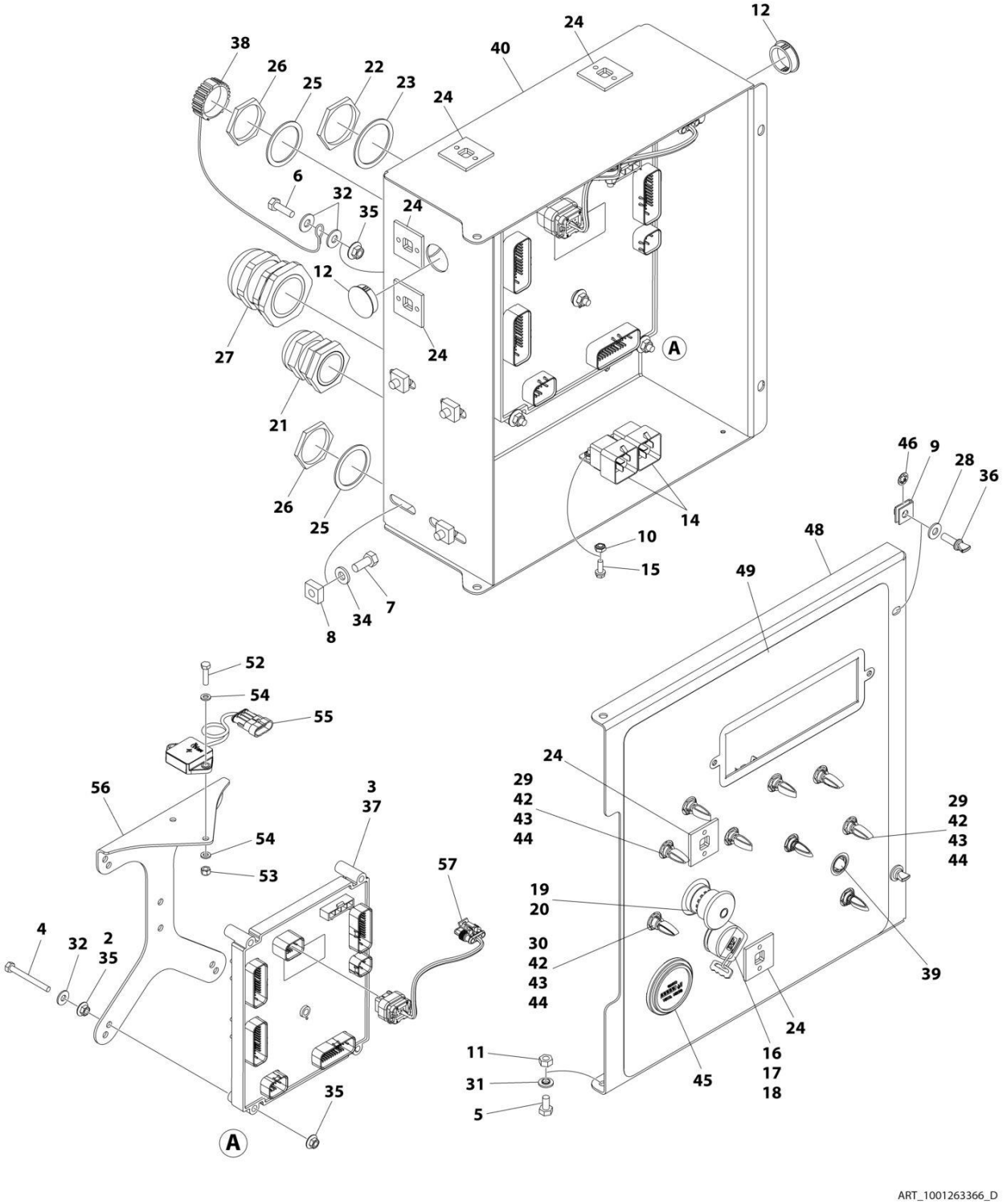


FIGURE 2-44. GROUND CONTROL BOX ASSEMBLY (DEUTZ 2.9L4 ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263366	Ref	CONSOLE BOX ASSEMBLY (TOWER STOW)	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001137364	1	Lamp	
40	1001287467	1	Box	
41	1001284919	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32-32	
44	1001155045	9	Switch, Toggle	
45	10836804	1	Hour Meter	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001188874	2	Nut	
47	1001286030	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001280403	1	Lid	
49	1001263356	1	Decal, Faceplate	
50	1001285346	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001285801	NLA	Wire Diagram (Not Shown)	
52	0760612	2	Bolt M6 x 25	
53	3290605	2	Nut M6	
54	4811700	4	Washer M6	
55	1001219601	1	Sensor, Tilt Dual Axis CAN	
56	1001271794	1	Bracket, Tilt Sensor	
57	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-45. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) (TOWER STOW) - WITH DIGITAL DISPLAY

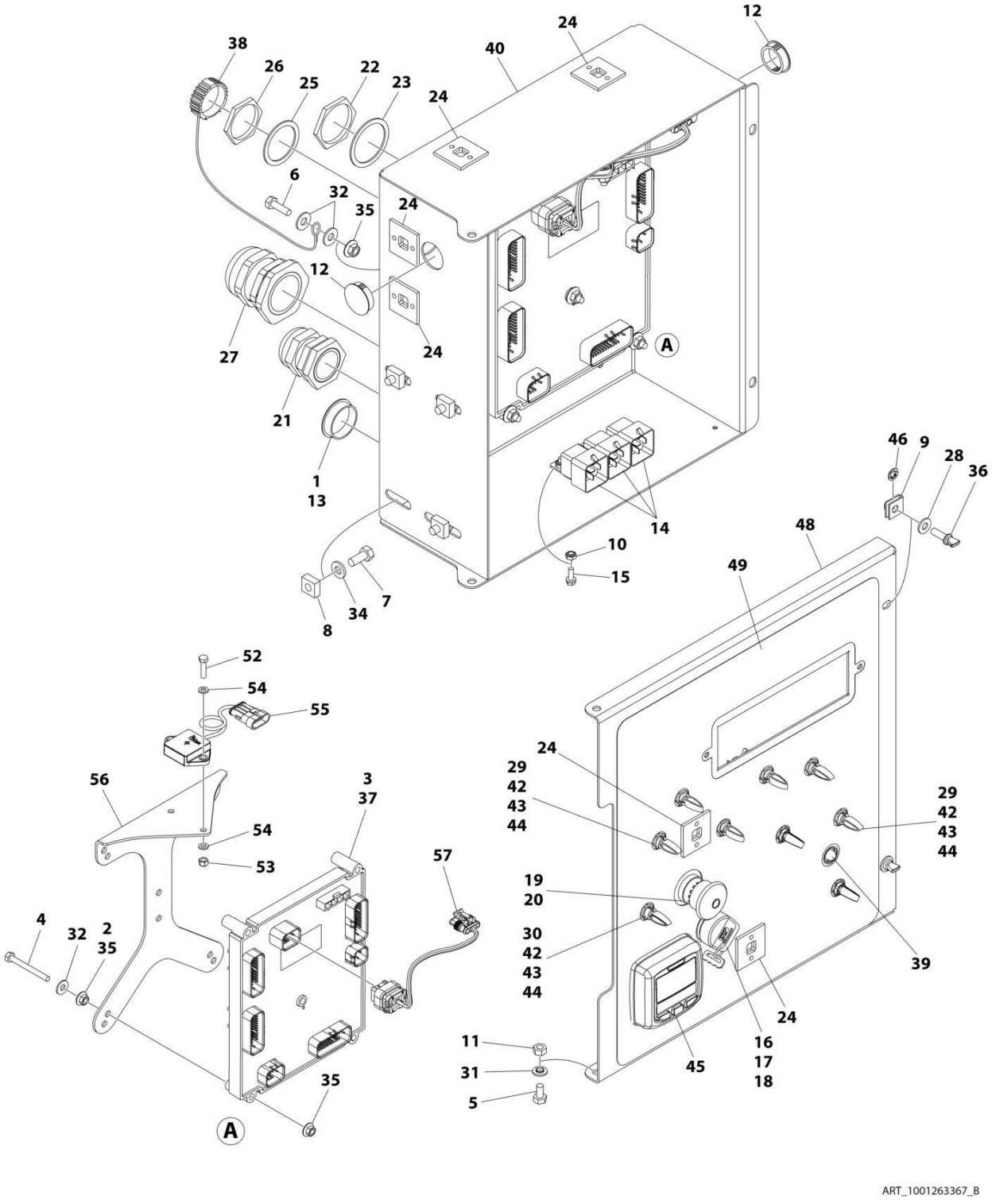


FIGURE 2-45. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) (TOWER STOW) - WITH DIGITAL DISPLAY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263367	Ref	CONSOLE BOX ASSEMBLY (TOWER STOW)	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001137364	1	Lamp	
40	1001152175	1	Box	
41	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32-32	
44	1001155045	9	Switch, Toggle	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001171482	1	Gauge	
46	1001188874	2	Nut	
47	1001214507	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001263352	1	Lid	
49	1001263356	1	Decal, Faceplate	
50	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001266665	NLA	Wire Diagram (Not Shown)	
52	0760612	2	Bolt M6 x 25	
53	3290605	2	Nut M6	
54	4811700	4	Washer M6	
55	1001219601	1	Sensor, Tilt Dual Axis CAN	
56	1001271794	1	Bracket, Tilt Sensor	
57	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-46. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

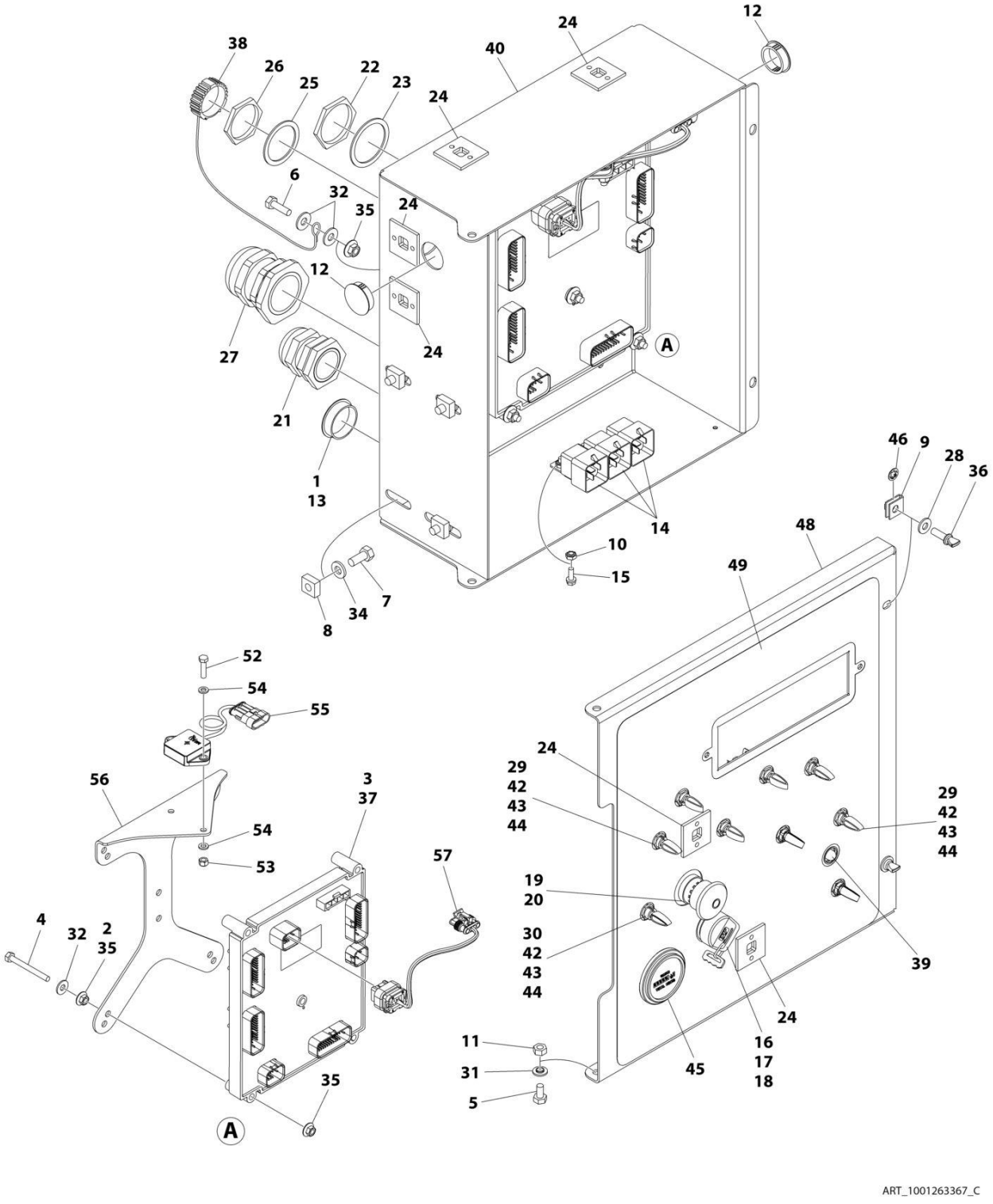


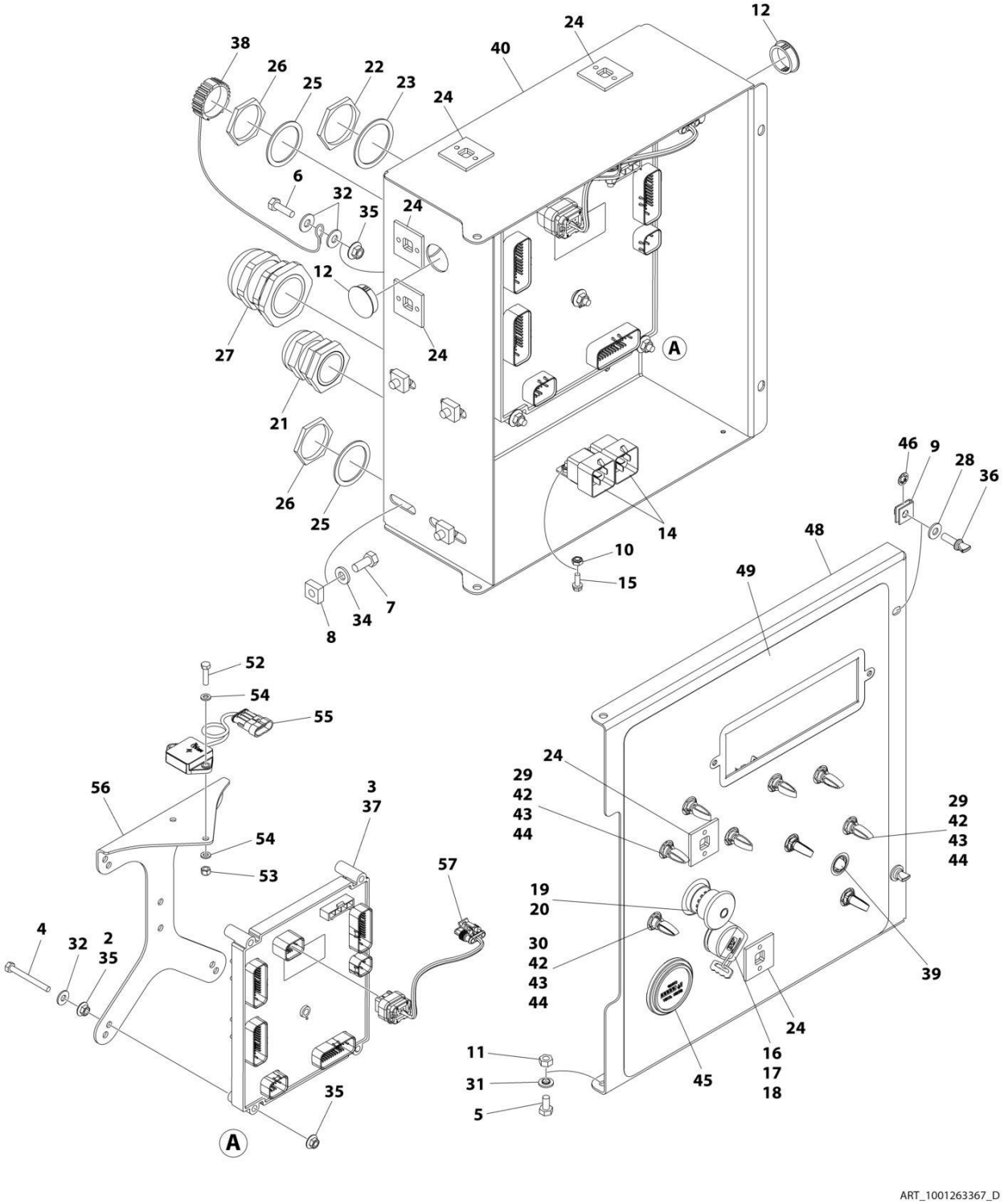
FIGURE 2-46. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263367	Ref	CONSOLE BOX ASSEMBLY (TOWER STOW)	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001137364	1	Lamp	
40	1001152175	1	Box	
41	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32-32	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001155045	9	Switch, Toggle	
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001214507	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001280403	1	Lid	
49	1001263356	1	Decal, Faceplate	
50	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001266665	NLA	Wire Diagram (Not Shown)	
52	0760612	2	Bolt M6 x 25	
53	3290605	2	Nut M6	
54	4811700	4	Washer M6	
55	1001219601	1	Sensor, Tilt Dual Axis CAN	
56	1001271794	1	Bracket, Tilt Sensor	
57	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-47. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)



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FIGURE 2-47. GROUND CONTROL BOX ASSEMBLY (FORD ENGINE) (TOWER STOW) - WITH MECHANICAL HOUR METER (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263367	Ref	CONSOLE BOX ASSEMBLY (TOWER STOW)	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Washer, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	8	Spacer	
30	4740444	1	Washer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4-20	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
38	1001106736	1	Cap, Dust	
39	1001137364	1	Lamp	
40	1001287467	1	Box	
41	1001284919	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32-32	
44	1001155045	9	Switch, Toggle	
45	10836804	1	Hour Meter	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001188874	2	Nut	
47	1001286031	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001280403	1	Lid	
49	1001263356	1	Decal, Faceplate	
50	1001285346	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001285801	NLA	Wire Diagram (Not Shown)	
52	0760612	2	Bolt M6 x 25	
53	3290605	2	Nut M6	
54	4811700	4	Washer M6	
55	1001219601	1	Sensor, Tilt Dual Axis CAN	
56	1001271794	1	Bracket, Tilt Sensor	
57	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-48. GROUND CONTROL BOX ASSEMBLY (DEUTZ TD2.2L3 ENGINE) (TOWER STOW) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

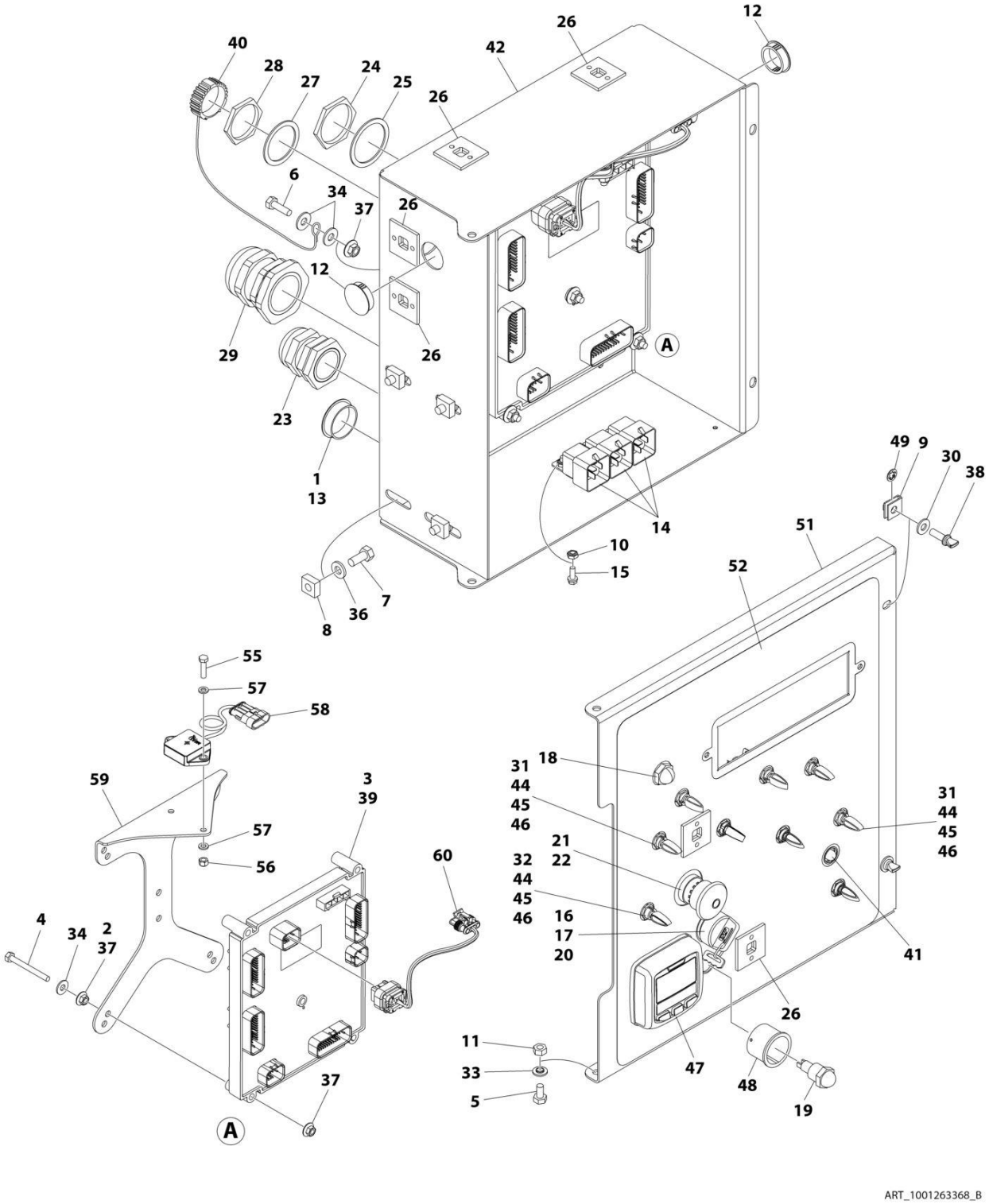


FIGURE 2-48. GROUND CONTROL BOX ASSEMBLY (DEUTZ TD2.2L3 ENGINE) (TOWER STOW) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263368	Ref	CONSOLE BOX ASSEMBLY (TOWER STOW)	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug, Cap	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360274	1	Switch, Push Button	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1	Key Replacement	
21	4360475	1	Switch, Emergency Stop	
21	7020175	1	Cap, Mushroom	
21	7020176	1	Block, Contact	
22	4360476	1	Switch, Contact Block	
23	4460426	1	Connector, Strain Relief	
24	4460470	1	Nut, Terminal	
25	4460471	1	Washer, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	1	Washer, Terminal	
28	4460497	1	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4711400	2	Washer 1/4	
31	4740397	8	Spacer	
32	4740444	1	Washer	
33	4740518	2	Washer	
34	4751400	7	Washer 1/4	
36	4891500	4	Washer 5/16	
37	77143013	11	Nut 1/4-20	
38	1001103308	2	Screw 1/4	
39	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
40	1001106736	1	Cap, Dust	
41	1001137364	1	Lamp	
42	1001152175	1	Box	
43	1001154392	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001155043	9	Washer	
45	1001155044	9	Nut 15/32-32	
46	1001155045	9	Switch, Toggle	
47	1001171482	1	Gauge	
48	1001176469	1	Shroud	
49	1001188874	2	Nut	
50	1001191868	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001263353	1	Lid	
52	1001263357	1	Decal, Faceplate	
53	1001266628	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
54	1001266665	NLA	Wire Diagram (Not Shown)	
55	0760612	2	Bolt M6 x 25	
56	3290605	2	Nut M6	
57	4811700	4	Washer M6	
58	1001219601	1	Sensor, Tilt Dual Axis CAN	
59	1001271794	1	Bracket, Tilt Sensor	
60	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-49. GROUND CONTROL BOX ASSEMBLY (DEUTZ TD2.2L3 ENGINE) (TOWER STOW) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

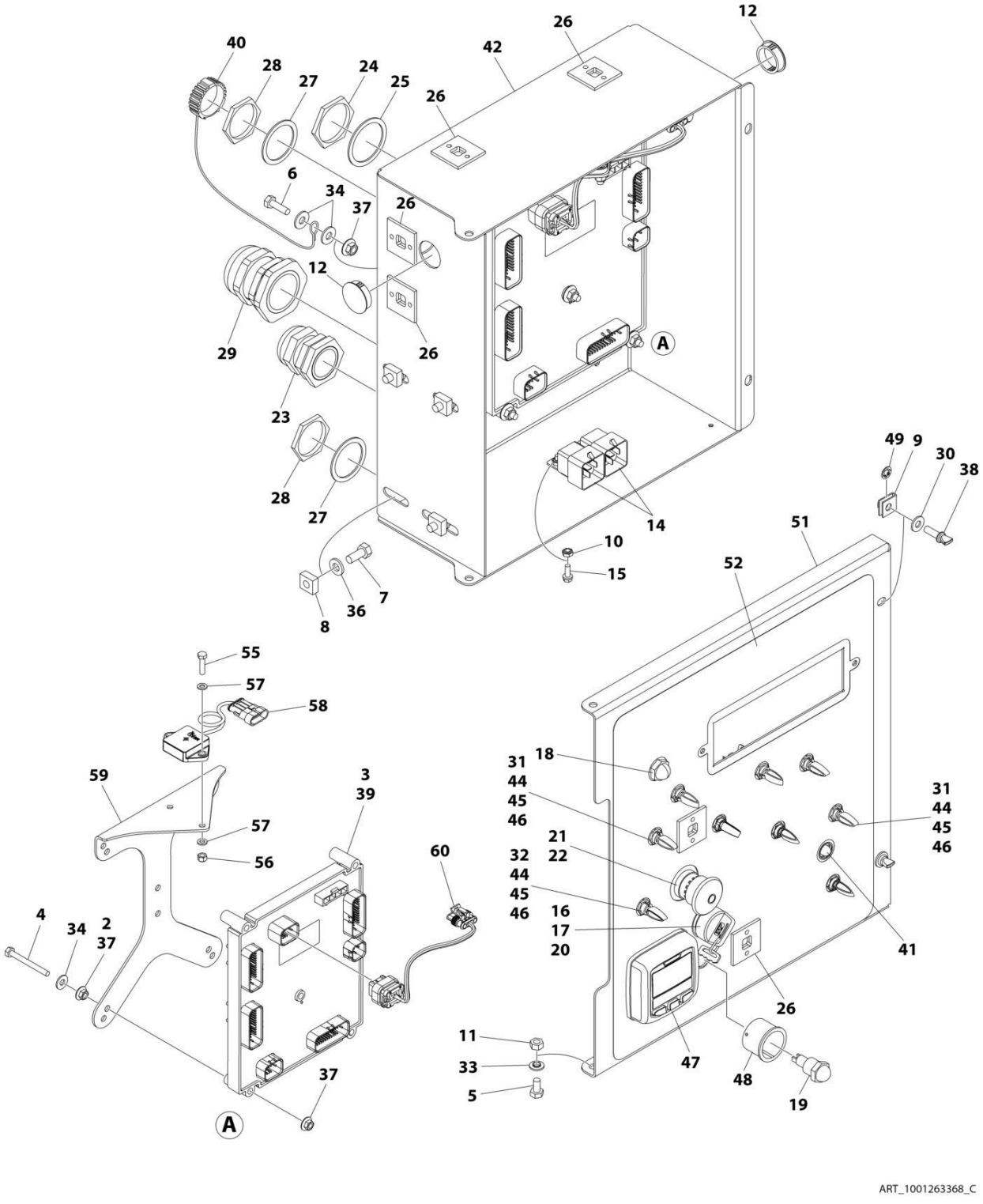


FIGURE 2-49. GROUND CONTROL BOX ASSEMBLY (DEUTZ TD2.2L3 ENGINE) (TOWER STOW) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263368	Ref	CONSOLE BOX ASSEMBLY (TOWER STOW)	C
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt, 2-1/2 Tap	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Plastic Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360274	1	Switch, Push Button	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1	Key Replacement	
21	4360475	1	Switch, Emergency Stop	
21	7020175	1	Cap, Mushroom	
21	7020176	1	Block, Contact	
22	4360476	1	Switch, Contact Block	
23	4460426	1	Connector, Strain Relief	
24	4460470	1	Nut, Terminal	
25	4460471	1	Washer, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	2	Washer, Terminal	
28	4460497	2	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4711400	2	Washer 1/4	
31	4740397	8	Spacer	
32	4740444	1	Washer	
33	4740518	2	Washer	
34	4751400	7	Washer 1/4	
36	4891500	4	Washer 5/16	
37	77143013	11	Nut 1/4-20	
38	1001103308	2	Screw 1/4	
39	1001280600	1	Module, Ground Control	
		Ref	Note: Re-calibration Required when Replaced.	
40	1001106736	1	Cap, Dust	
41	1001137364	1	Lamp	
42	1001287467	1	Box	
43	1001284919	1	Harness, Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001155043	9	Washer	
45	1001155044	9	Nut 15/32-32	
46	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001171482	1	Gauge	
48	1001176469	1	Shroud	
49	1001188874	2	Nut	
50	1001286030	1	Harness, Deutz D2011 Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001263353	1	Lid	
52	1001263357	1	Decal, Faceplate	
53	1001285346	1	Harness, Ground Control Box (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
54	1001285801	NLA	Wire Diagram (Not Shown)	
55	0760612	2	Bolt M6 x 25	
56	3290605	2	Nut M6	
57	4811700	4	Washer M6	
58	1001219601	1	Sensor, Tilt Dual Axis CAN	
59	1001271794	1	Bracket, Tilt Sensor	
60	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-50. LIGHT PANEL INSTALLATION - GROUND CONTROL

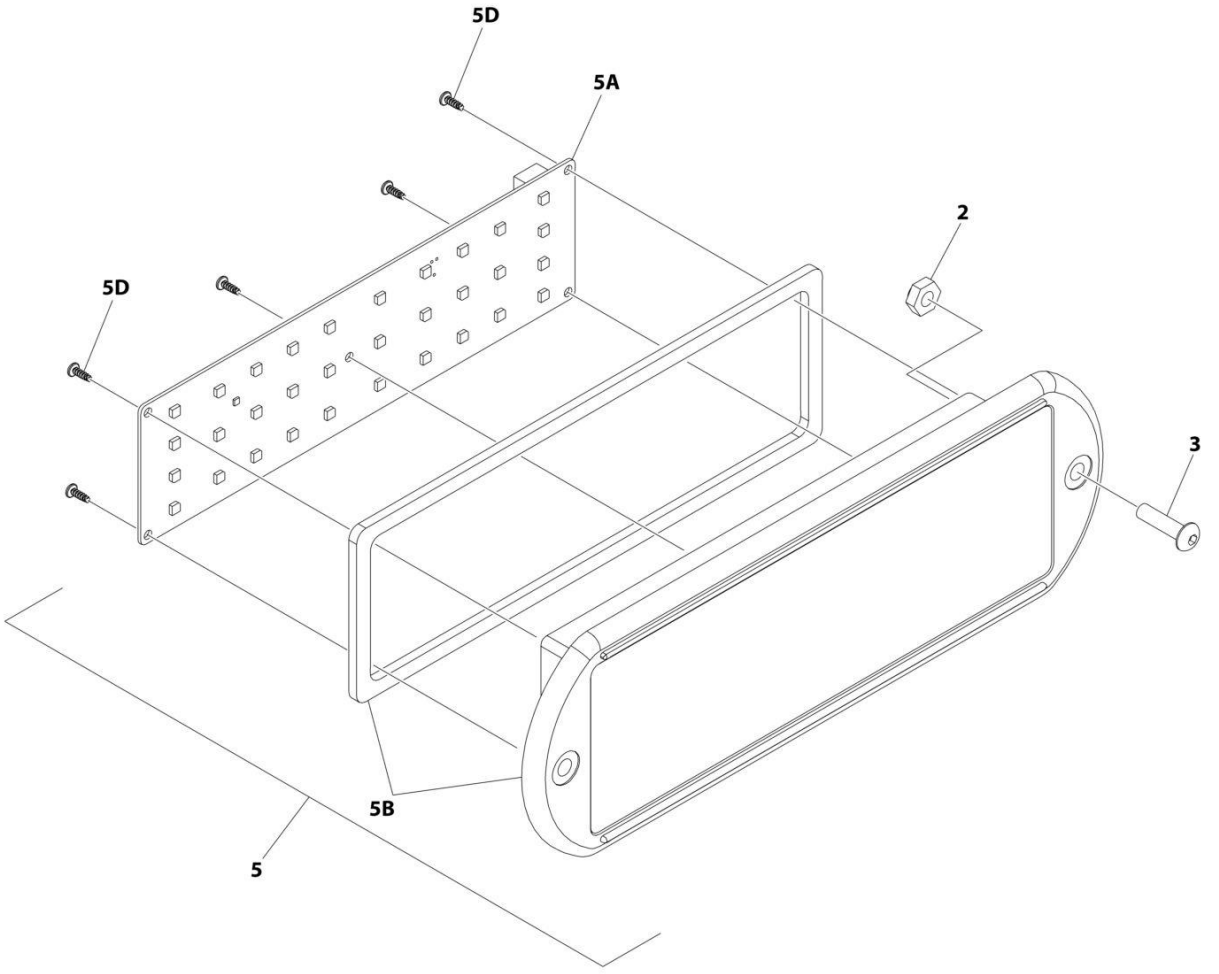


FIGURE 2-50. LIGHT PANEL INSTALLATION - GROUND CONTROL

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 2-51. CRIBBING ENABLE SWITCH INSTALLATION

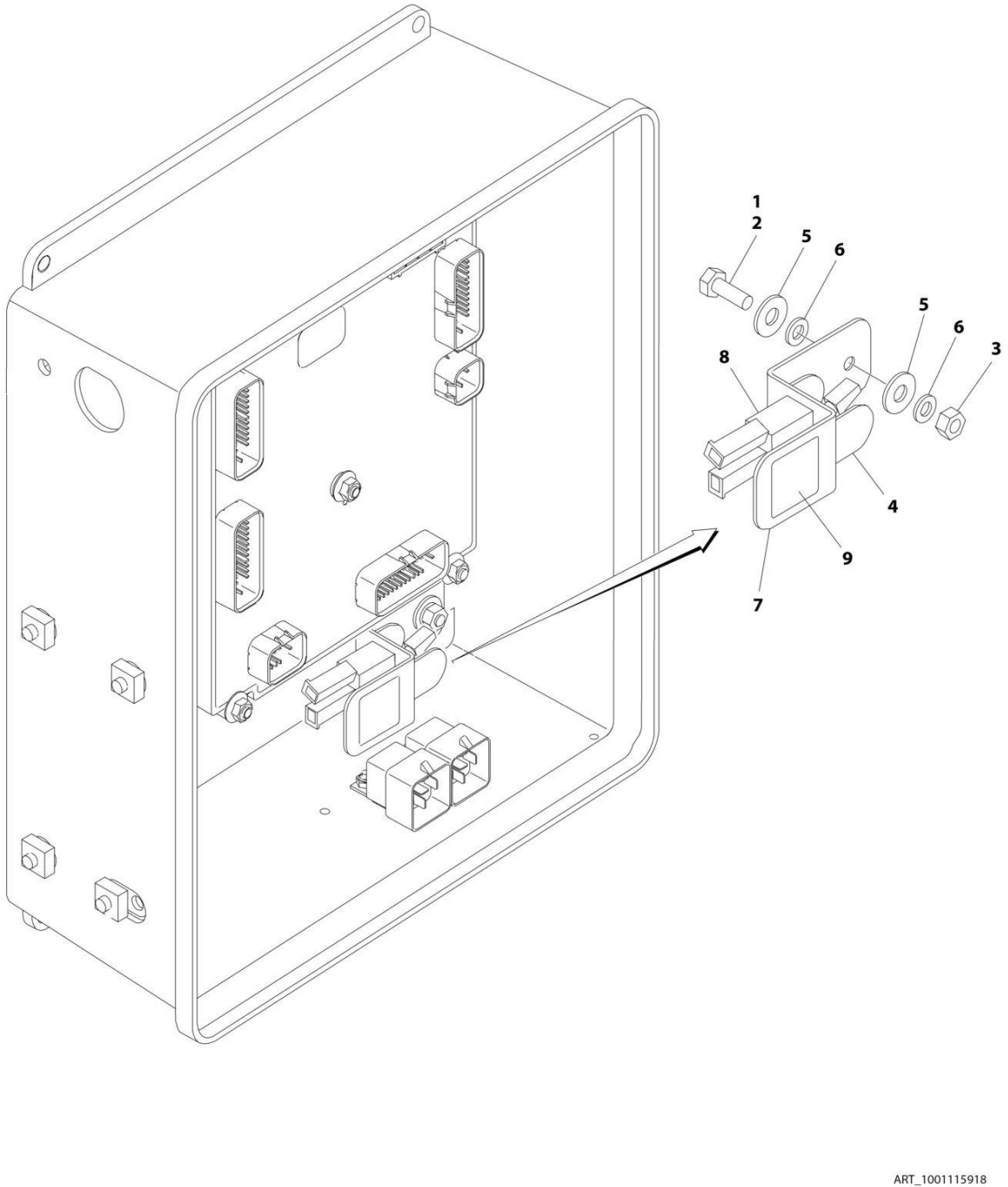


FIGURE 2-51. CRIBBING ENABLE SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115918	Ref	CRIBBING ENABLE SWITCH INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	3311401	1	Nut 1/4	
4	4060906	1	Guard, Switch	
5	4751400	2	Washer 1/4	
6	4761400	2	Washer 1/4	
7	1001115889	1	Bracket	
8	1001115915	1	Cribbing Enable Harness	
8	4360336	1	Switch, Toggle	
8	4460226	2	Socket, Female	
9	1001115967	1	Decal - Cribbing	

FIGURE 2-52. ALARM INSTALLATION

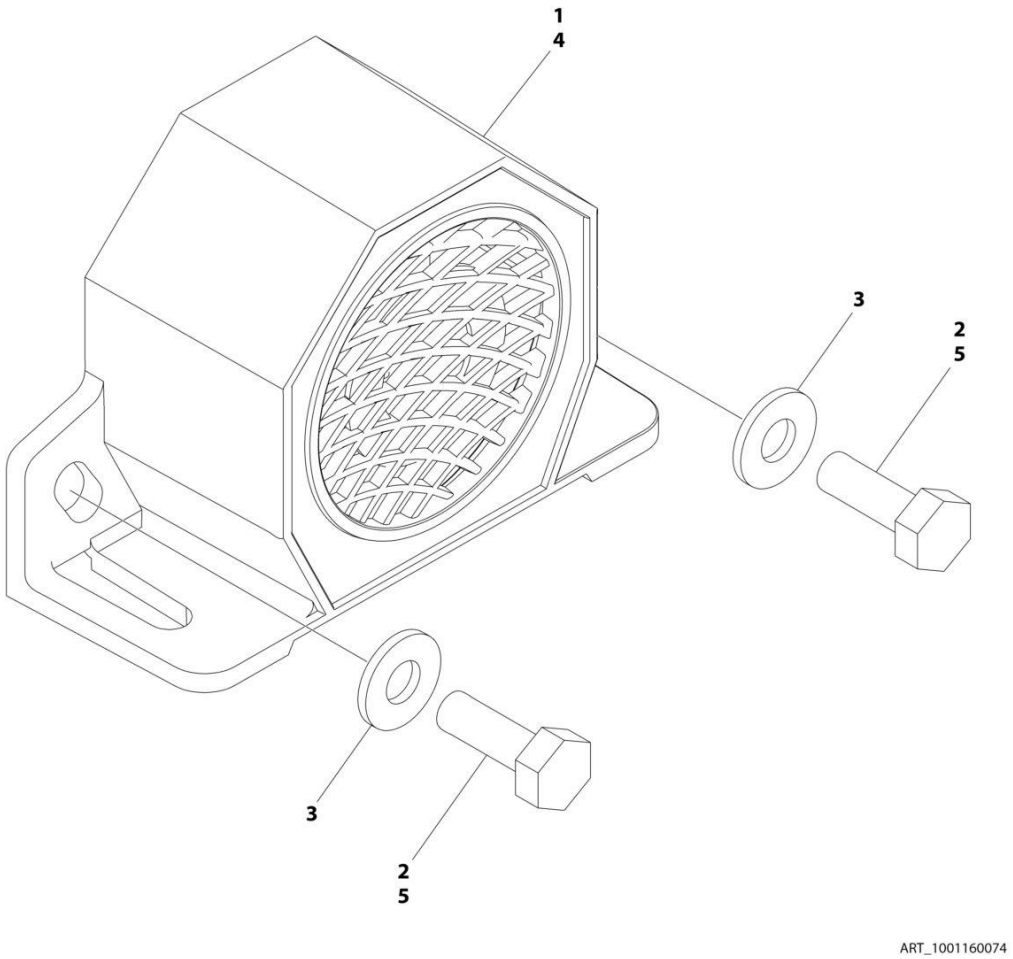


FIGURE 2-52. ALARM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160074	Ref	ALARMS INSTALLATION	A
1	0140044	1	Alarm	
2	0641406	2	Bolt 1/4 x 3/4	
3	4711400	2	Washer 1/4	
4	0100048	AR	Compound, Dielectric	
5	0100011	AR	Compound, Locking	

FIGURE 2-53. ALARM (WHITE NOISE AMBIENT) INSTALLATION

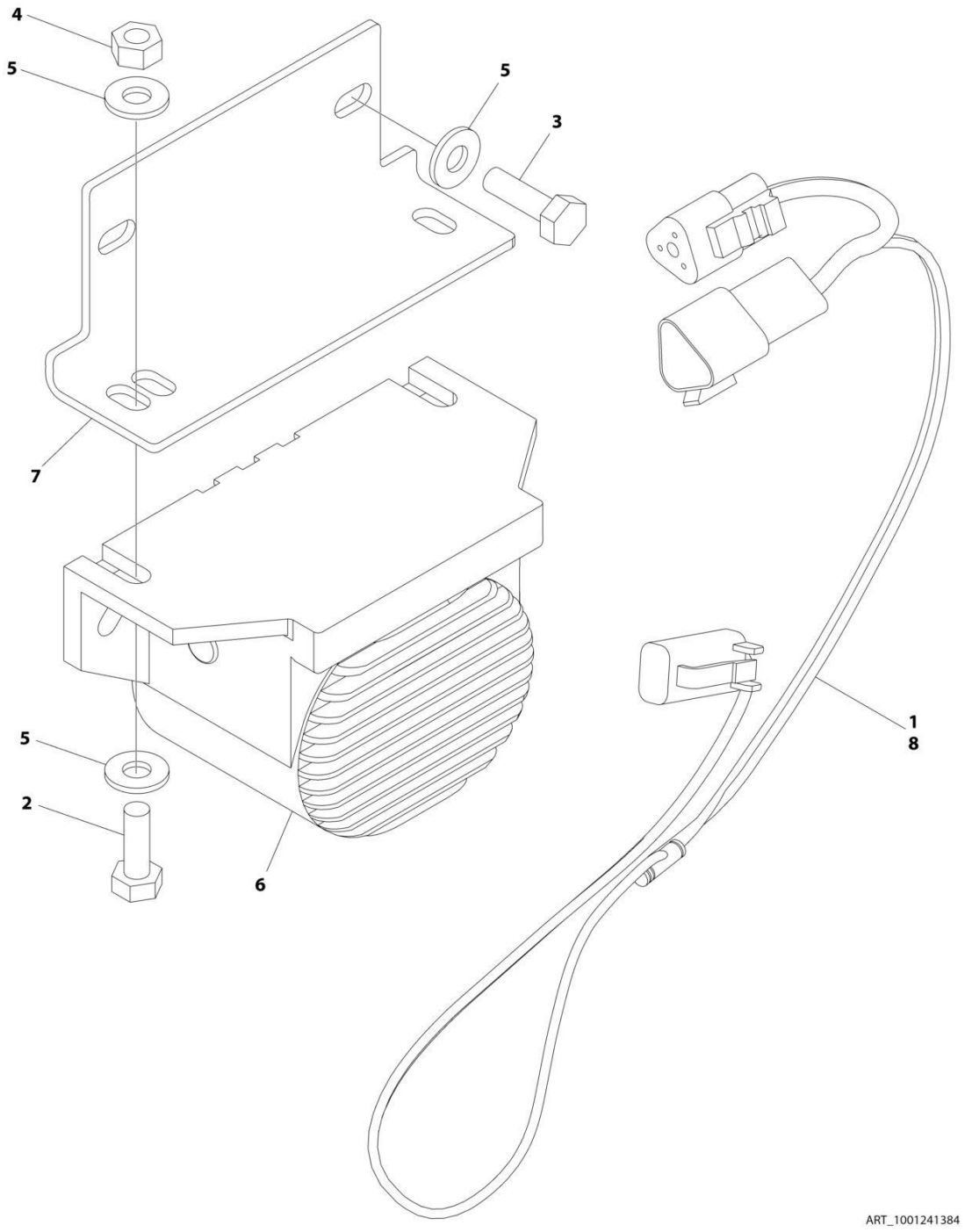


FIGURE 2-53. ALARM (WHITE NOISE AMBIENT) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241384	Ref	BACKUP ALARM AMBIENT (WHITE NOISE) INSTALLATION	B
1	0100048	AR	Grease, Dielectric	
2	0641406	2	Bolt 1/4 x 3/4	
3	0641407	2	Bolt 1/4 x 7/8	
4	3311405	2	Nut 1/4	
5	4711400	6	Washer 1/4	
6	1001182806	1	Alarm	
6	4460897	1	Connector - 2 Position	
6	4460464	2	Pin, Male	
7	1001231886	1	Plate	
8	1001231007	1	Harness, White Noise Motion Alarm (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 2-54. ALARM (WHITE NOISE) INSTALLATION

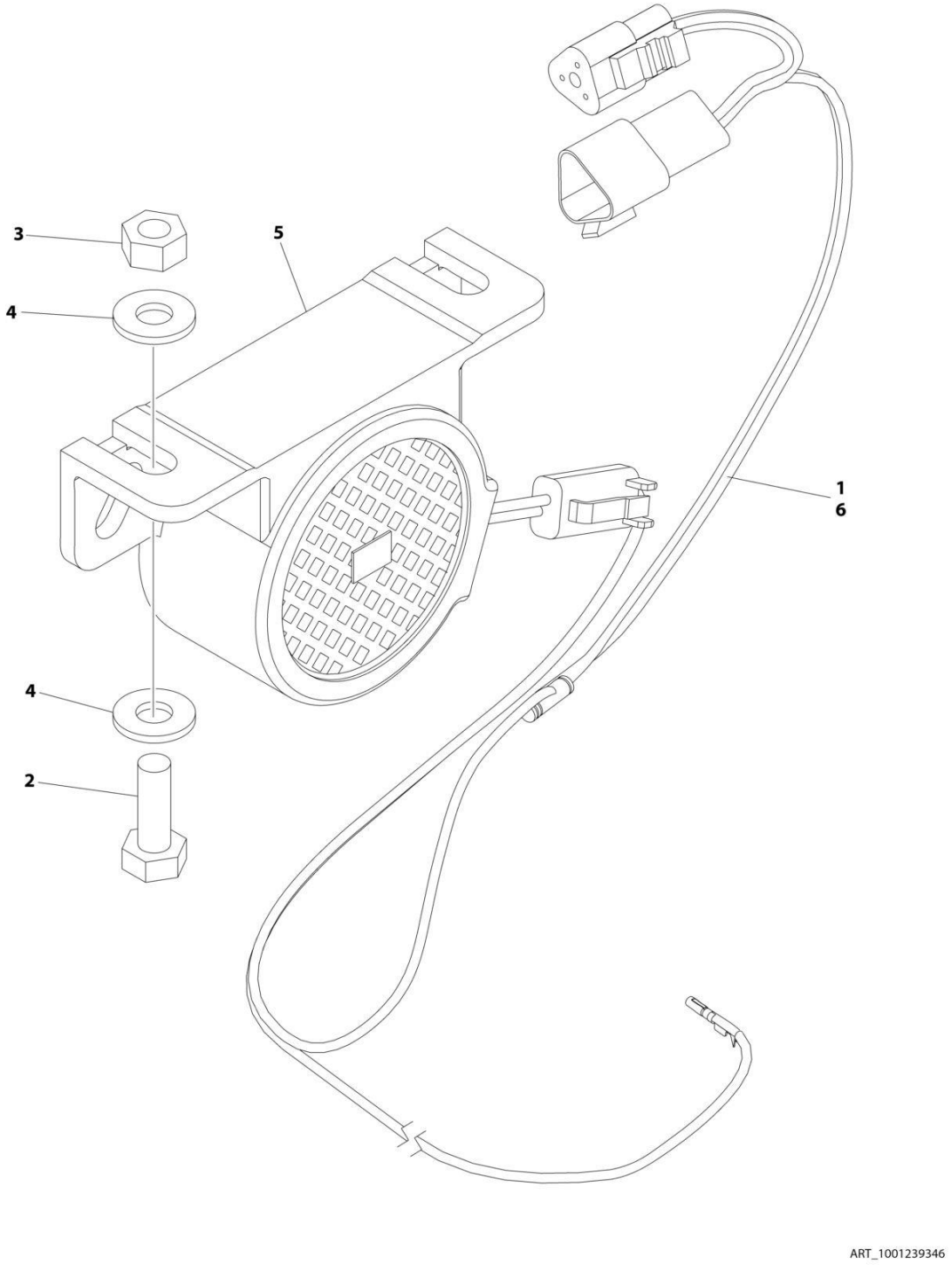


FIGURE 2-54. ALARM (WHITE NOISE) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239346	Ref	BACKUP ALARM (WHITE NOISE) INSTALLATION	B
1	0100048	AR	Grease, Dielectric	
2	0641406	2	Bolt 1/4 x 3/4	
3	3311405	2	Valve, Check	
4	4711400	4	Washer 1/4	
6	1001184682	1	Alarm	
6	4460897	1	Connector - 2 Position	
6	4460464	2	Pin, Male	
6	1001231007	1	Harness, White Noise Motion Alarm (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 2-55. STROBE LIGHT INSTALLATION (AMBER) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

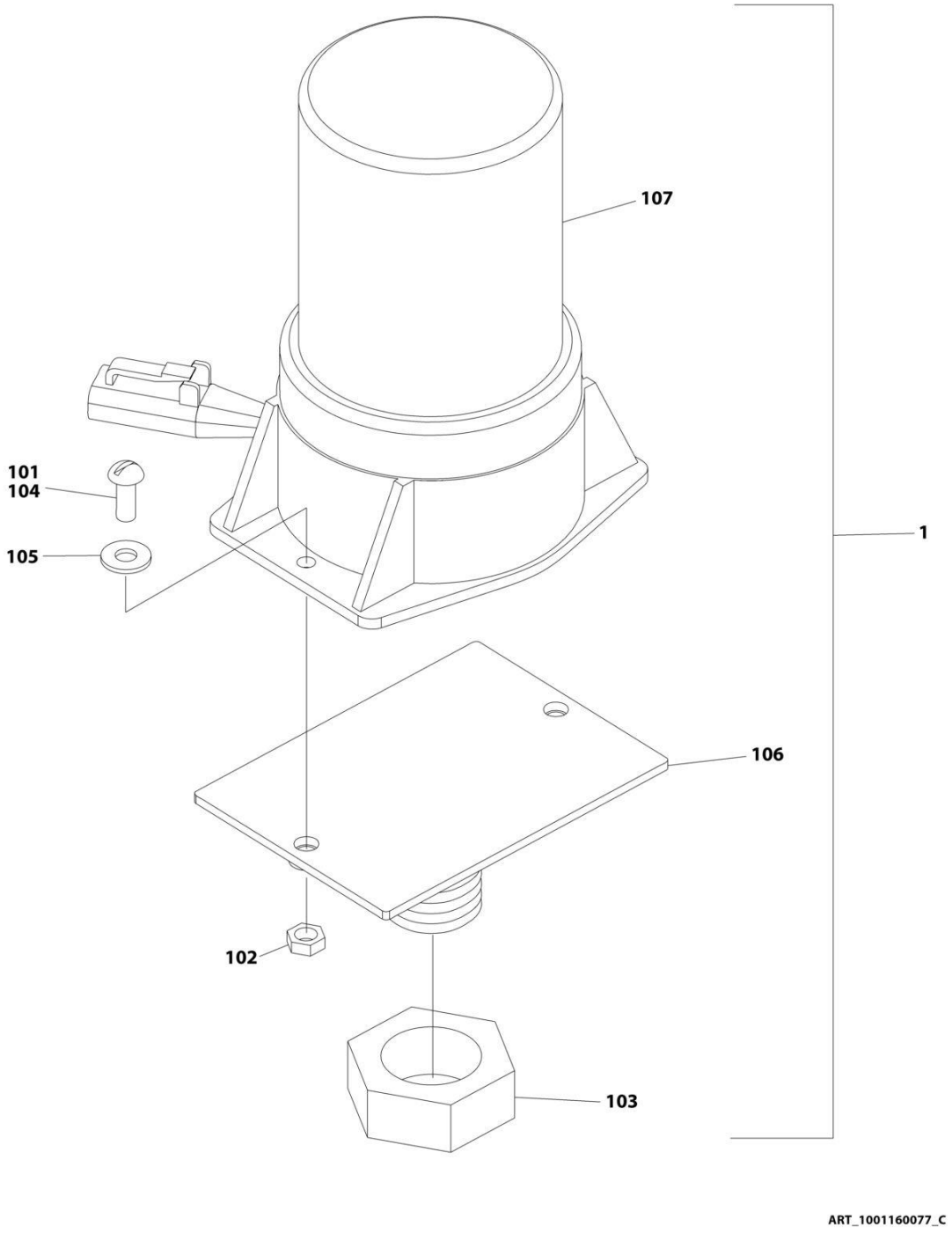


FIGURE 2-55. STROBE LIGHT INSTALLATION (AMBER) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160077	Ref	STROBE LIGHT INSTALLATION (AMBER)	C
1	1001278844	1	Strobe Light Assembly (Includes Items 101-107)	A
101	0100035	AR	Compound, Locking	
102	3290405	2	Nut, Lock M4	
103	3312602	1	Nut	
104	4031509	2	Capscrew M4 x 25	
105	4811400	2	Washer M4	
106	1001278850	1	Mount, Strobe	
107	1001270594	1	Strobe Light/Harness Assembly	
107	4460891	1	Connector	
107	4460465	2	Socket	

FIGURE 2-56. STROBE LIGHT INSTALLATION (AMBER) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

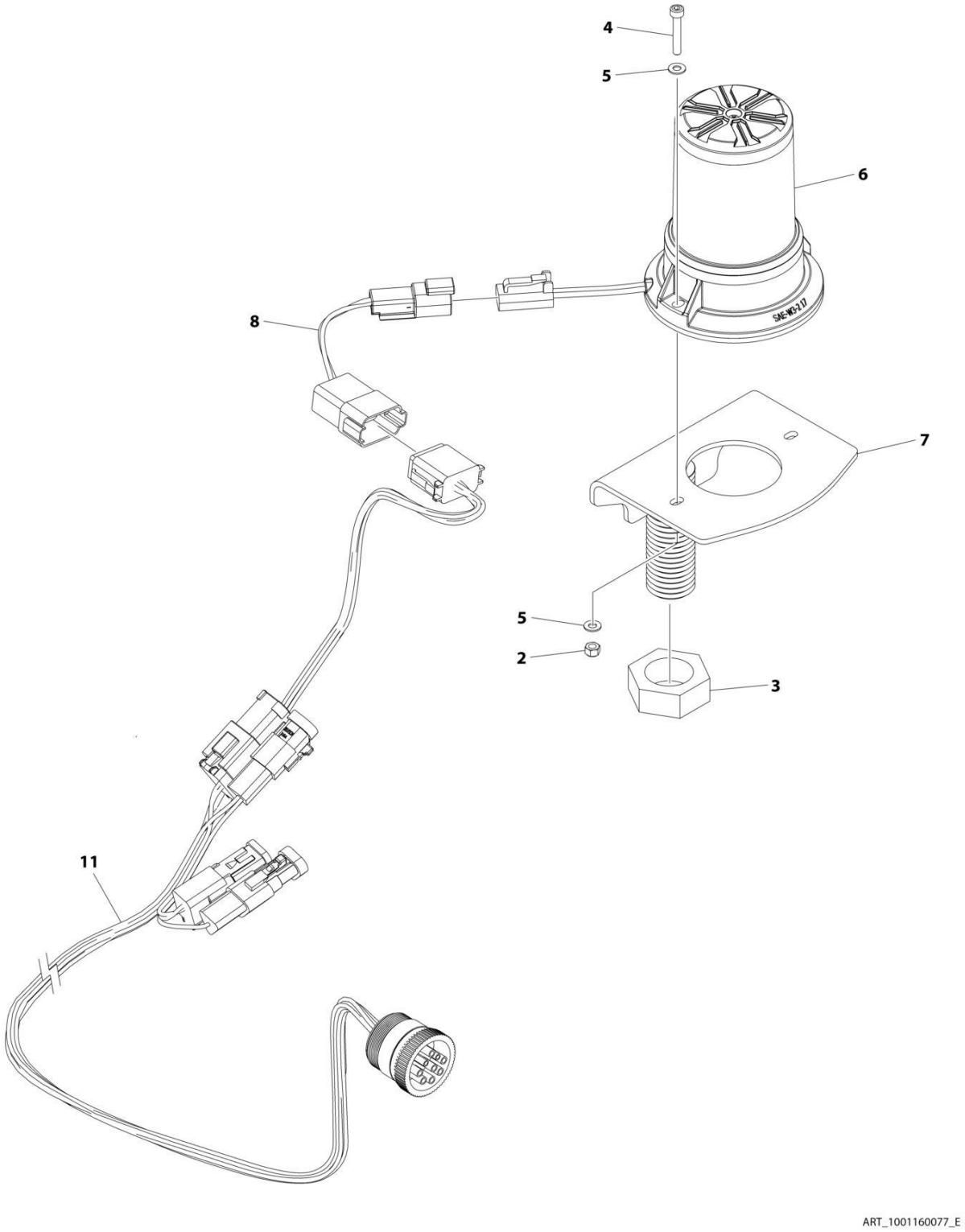


FIGURE 2-56. STROBE LIGHT INSTALLATION (AMBER) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160077	Ref	STROBE LIGHT INSTALLATION (AMBER)	E
2	3290405	2	Nut, Lock M4	
3	3312602	1	Nut	
4	4031509	2	Capscrew M4 x 25	
5	4811400	4	Washer M4	
6	1001270594	1	Strobe Light/Harness Assembly	
6	4460891	1	Connector	
6	4460465	2	Socket	
7	1001275149	2	Mount	
8	1001283776	1	Harness, Strobe Jumper (See Separate Breakdown in ELECTRICAL Section)	
9	4240017	AR	Tie-Strap (Not Shown)	
10	4460234	AR	Mount, Tie-Strap (Not Shown)	
11	1001286622	1	CSB Harness (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-57. STROBE LIGHT INSTALLATION (BLUE)

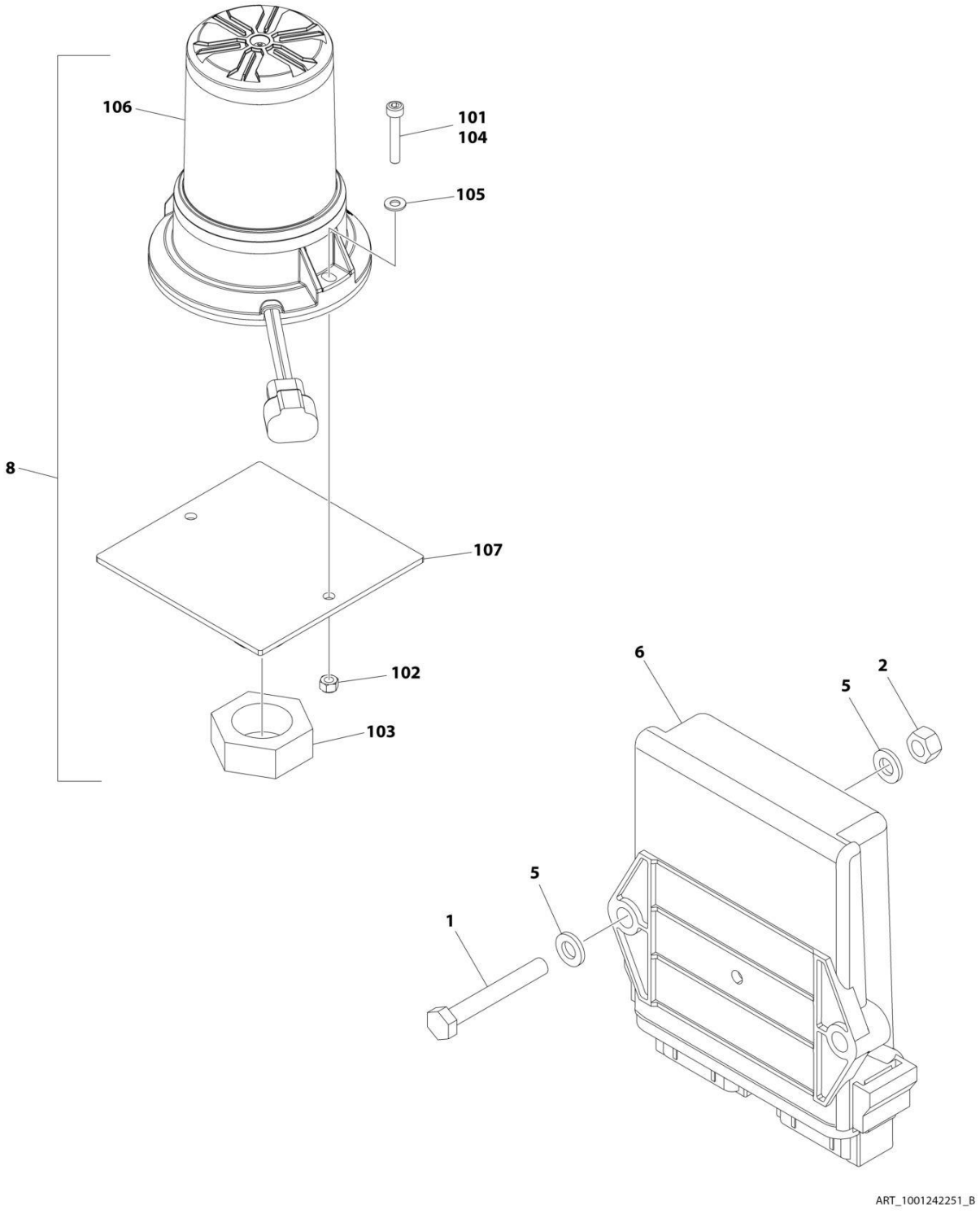


FIGURE 2-57. STROBE LIGHT INSTALLATION (BLUE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242251	Ref	STROBE LIGHT INSTALLATION (BLUE)	B
1	0700617	2	Bolt M6 x 45	
2	3290607	2	Nut M6 x 1	
3	4240032	AR	Tie-Strap (Not Shown)	
4	4460488	AR	Mounting Base (Not Shown)	
5	4811700	4	Washer M6	
6	1001142683	1	Module, Control Beacon	
7	1001142736	1	Harness, Beacon Control (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
8	1001278845	1	Blue Beacon Light Kit (See Items 101-107 for Breakdown)	
101	0100035	AR	Compound, Locking	
102	3290405	2	Nut, Lock M4	
103	3312602	1	Nut 1	
104	4031509	2	Capscrew M4 x 25	
105	4811400	2	Washer M4	
106	1001272681	1	Strobe Light/Harness Assembly	
106	4460897	1	Connector	
106	4460464	2	Socket	
107	1001278850	1	Mount, Beacon	

FIGURE 2-58. STROBE LIGHT INSTALLATION (RED)

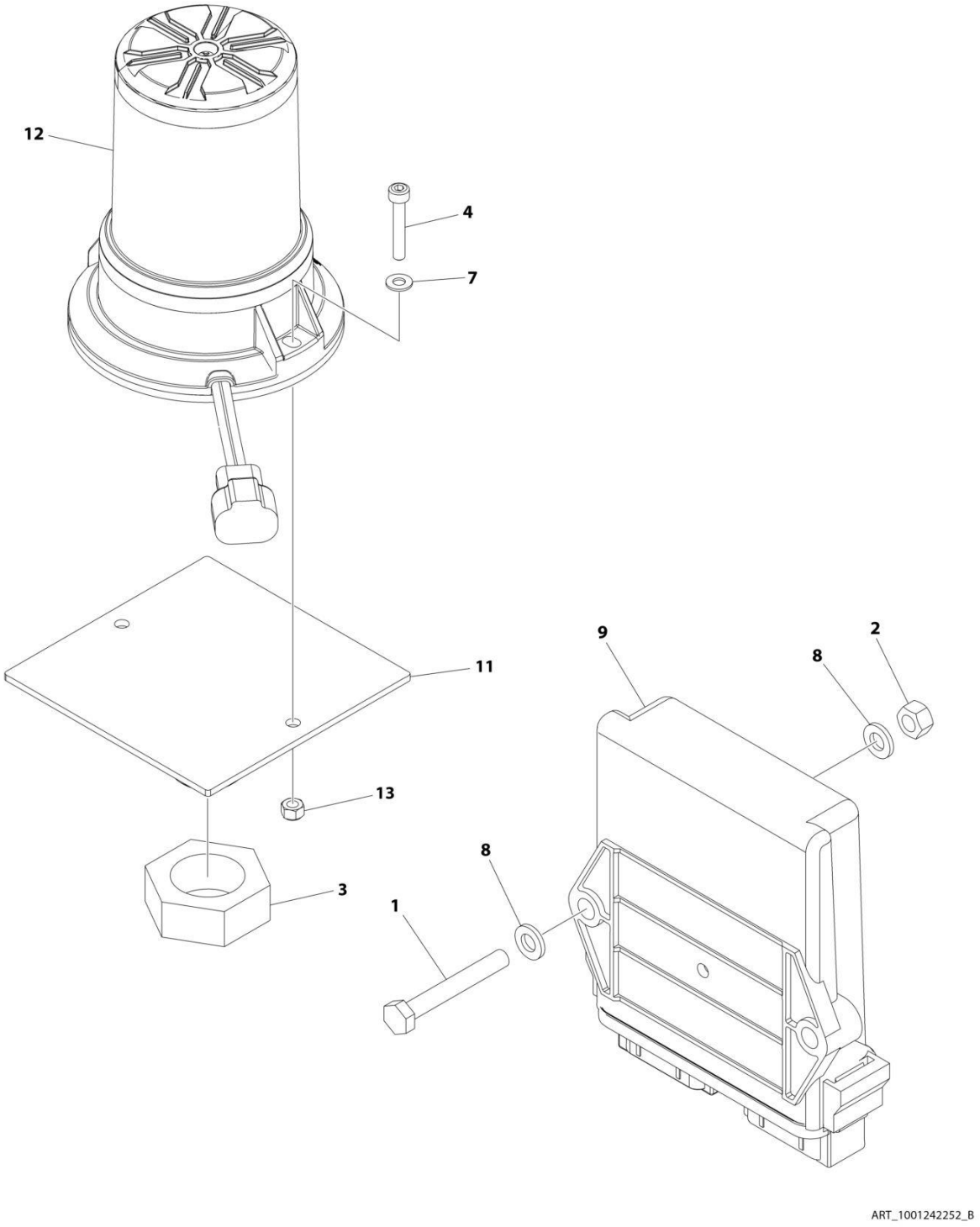
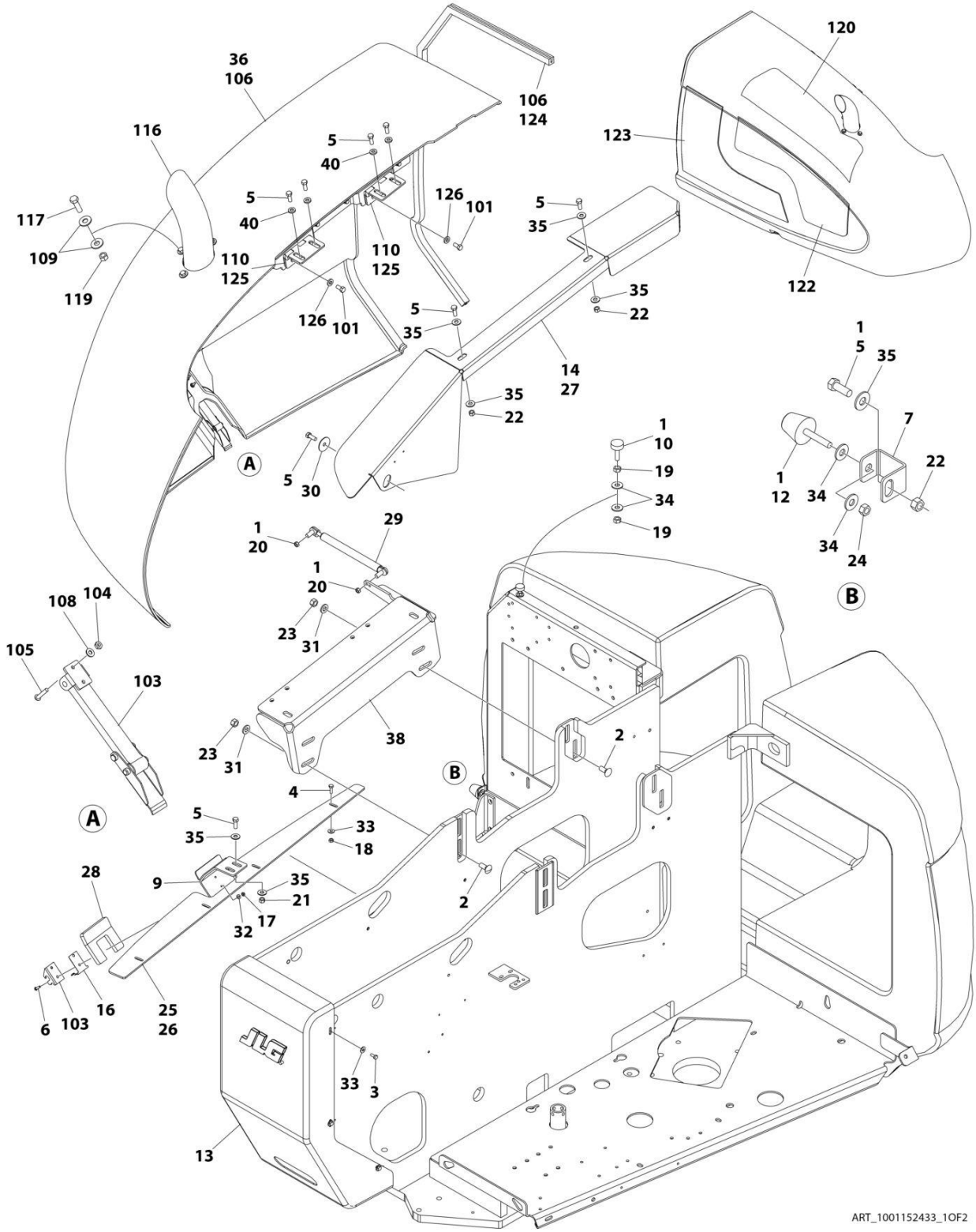


FIGURE 2-58. STROBE LIGHT INSTALLATION (RED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242252	Ref	STROBE LIGHT INSTALLATION (RED)	B
1	0700617	2	Bolt M6 x 45	
2	3290607	2	Nut M6 x 1	
3	3312602	1	Nut 1	
4	4031509	4	Capscrew M4 x 25	
5	4240032	AR	Tie-Strap (Not Shown)	
6	4460488	AR	Mounting Base (Not Shown)	
7	4811400	2	Washer M4	
8	4811700	4	Washer M6	
9	1001142683	1	Module, Control Beacon	
10	1001142736	1	Harness, Beacon Control (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
11	1001278850	1	Mount, Beacon	
12	1001272682	1	Strobe Light/Harness Assembly	
12	4460897	1	Connector	
12	4460464	2	Socket	
13	3290405	2	Nut, Lock M4	

FIGURE 2-59. HOODS INSTALLATION – DEUTZ D2011 ENGINES WITHOUT NOISE REDUCTION (ABS)



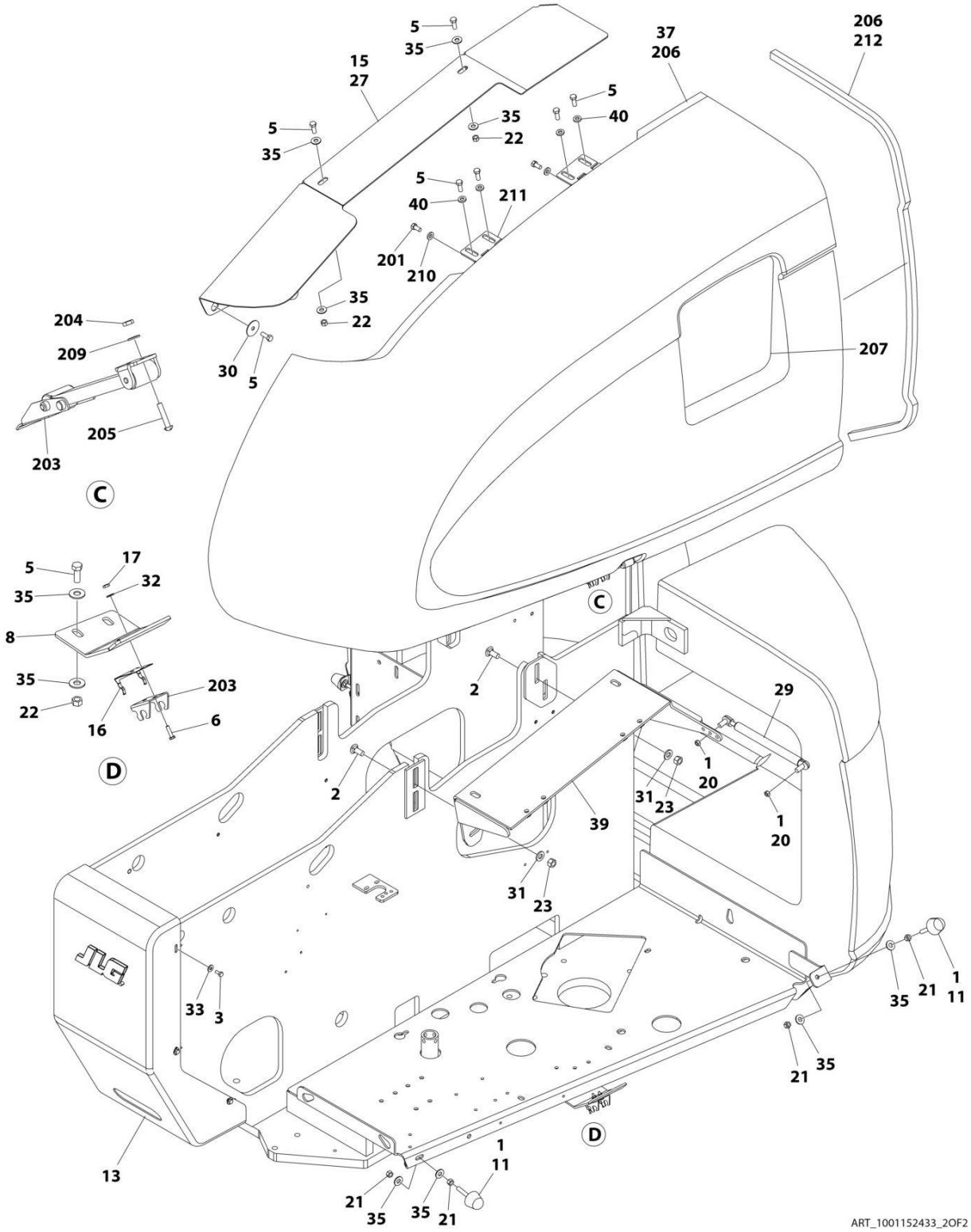
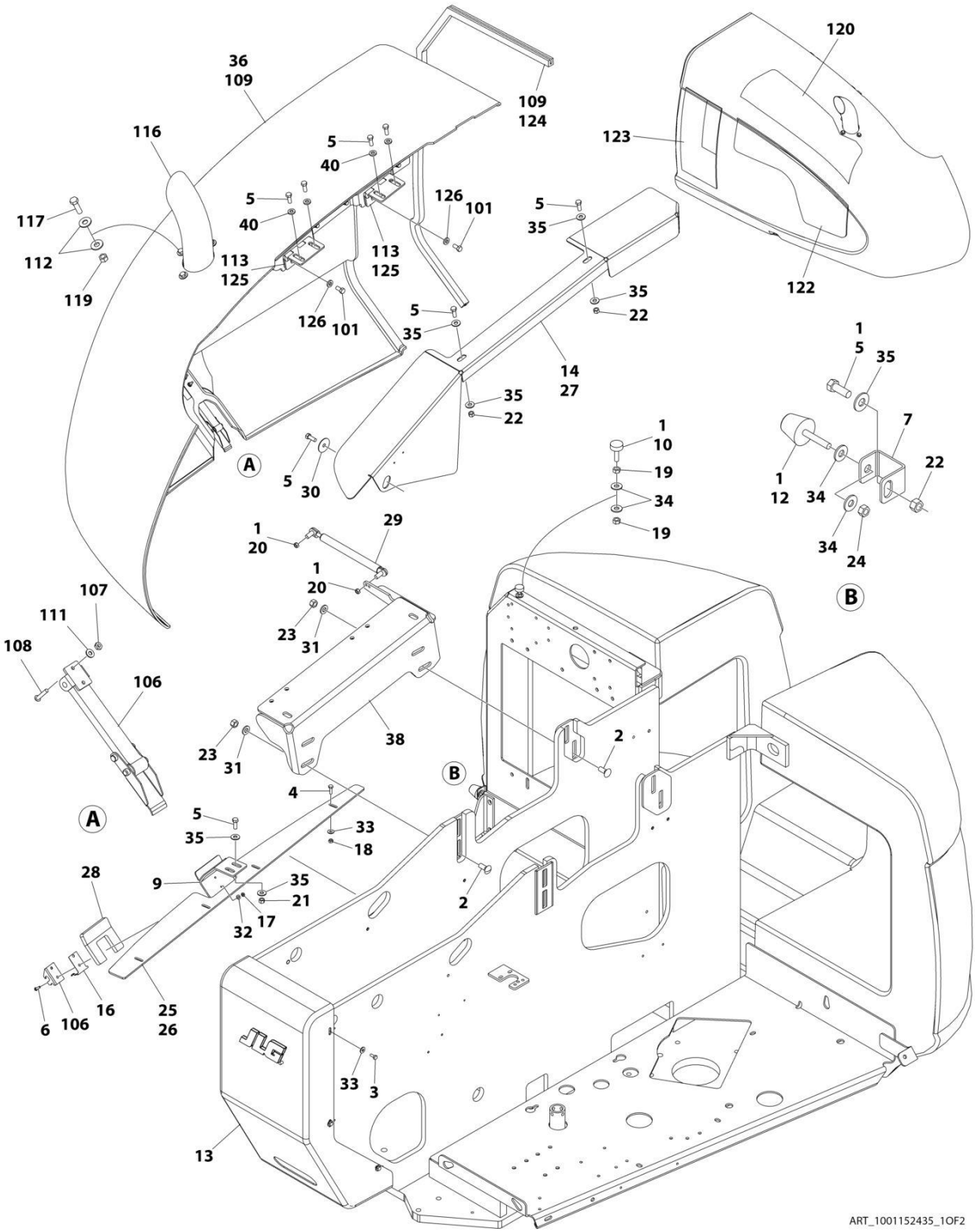

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FIGURE 2-59. HOODS INSTALLATION – DEUTZ D2011 ENGINES WITHOUT NOISE REDUCTION (ABS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: replacement decals must be ordered separately.	
	1001152433	Ref	HOODS INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0630507	8	Bolt, Carriage 1/2 x 1-1/4	
3	0641405	6	Bolt 1/4 x 3/4	
4	0641407	4	Bolt 1/4 x 7/8	
5	0641608	19	Bolt 3/8 x 1	
6	0721006	4	Bolt #10 x 3/4	
7	0902219	1	Bracket, Bumper	
8	1001137876	1	Bracket, Latch - Tank Side	
9	0902335	1	Bracket, Latch - Engine Side	
10	0940049	1	Bumper	
11	0940071	2	Bumper	
12	0940088	1	Bumper	
13	1670767	1	Cover, Turntable	
14	2680433	1	Spacer, Hood (Engine Side)	
15	2680434	1	Spacer, Hood (Tank Side)	
16	2940188	2	Latch, Spring Clip	
17	3311005	4	Nut #10	
18	3311405	4	Nut 1/4	
19	3311501	2	Nut 5/16	
20	3311505	4	Nut 5/16	
21	3311601	6	Nut 3/8	
22	3311605	7	Nut 3/8	
23	3311805	8	Nut 1/2	
24	3321501	2	Nut 5/16	
25	3539923	1	Plate, Seal	
26	3960389	3.5 ft/1m	Seal, Bulb	
27	3960418	7 ft/2.1m	Seal	
28	3960467	1	Seal, Foam	
29	4160143	2	Spring, Gas	
30	4740076	2	Washer, Fender	
31	4740171	8	Washer 1/2 Hardened	
32	4751000	4	Washer #10	
33	4751400	10	Washer 1/4	
34	4751500	4	Washer 5/16	
35	4751600	21	Washer 3/8	
38	1001235948	1	Mount - Engine Side	
39	1001152557	1	Mount - Tank Side	
40	4891600	8	Washer 3/8 Hardened	
	1001294637	Ref	HOOD KIT (Includes Items 101 & 201)	A
101	1001160004	Ref	HOOD - ENGINE SIDE	I
102	0641606	4	Bolt 3/8 x 3/4	
103	2940088	1	Latch	
104	3311005	2	Nut #10	
105	3911016	2	Screw #10 x 1	
106	1001164281	2.5 ft /0.78m	Seal	
108	4711000	2	Washer #10	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
109	4751600	6	Washer 3/8	
110	1001188467	2	Hinge	
116	1001160598	1	Outlet, Exhaust	
117	0641610	3	Bolt 3/8 x 1-1/4	
119	3311605	3	Nut 3/8	
120	1001160961	1	Insulation	
122	1001160963	1	Insulation	
123	1001160964	1	Insulation	
124	4060805	64 in /1.6m	Flex-Trim	
125	1001169610	2	Spacer, Hinge	
126	4891600	4	Washer 3/8 Hardened	
201	1001160003	Ref	HOOD TANK SIDE	H
202	0641606	4	Bolt 3/8 x 3/4	
203	2940088	1	Latch	
204	3311005	2	Nut #10	
205	3911016	2	Screw #10 x 1	
206	1001164281	3 ft /0.91m	Seal	
207	1001166394	4.5 ft /1.4m	Seal	
209	4751000	2	Washer #10	
210	4891600	4	Washer 3/8 Hardened	
211	1001188467	2	Hinge	
212	4060805	62 in /1.6m	Flex-Trim	

FIGURE 2-60. HOODS INSTALLATION – DEUTZ D2011 ENGINES WITH NOISE REDUCTION (ABS)



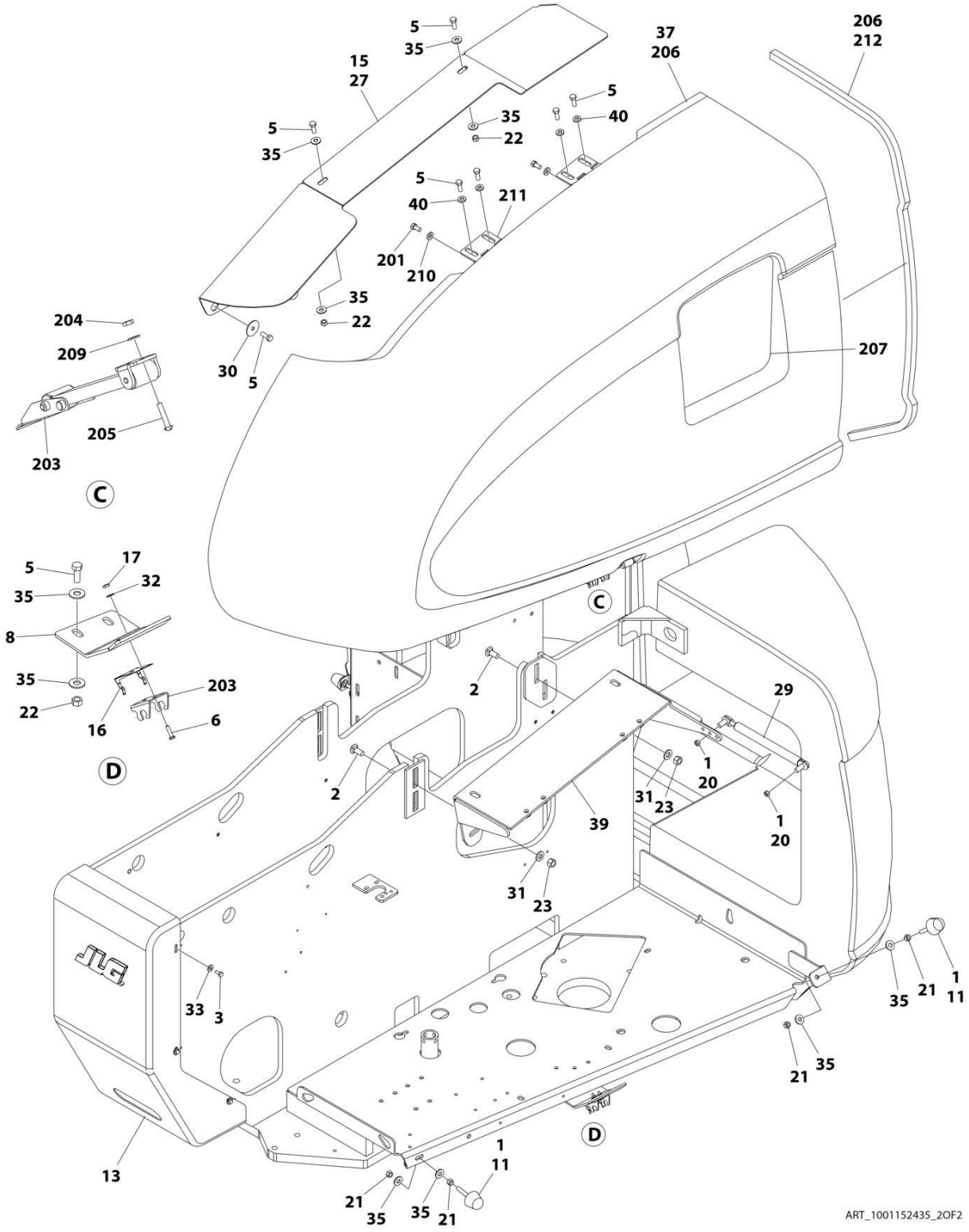
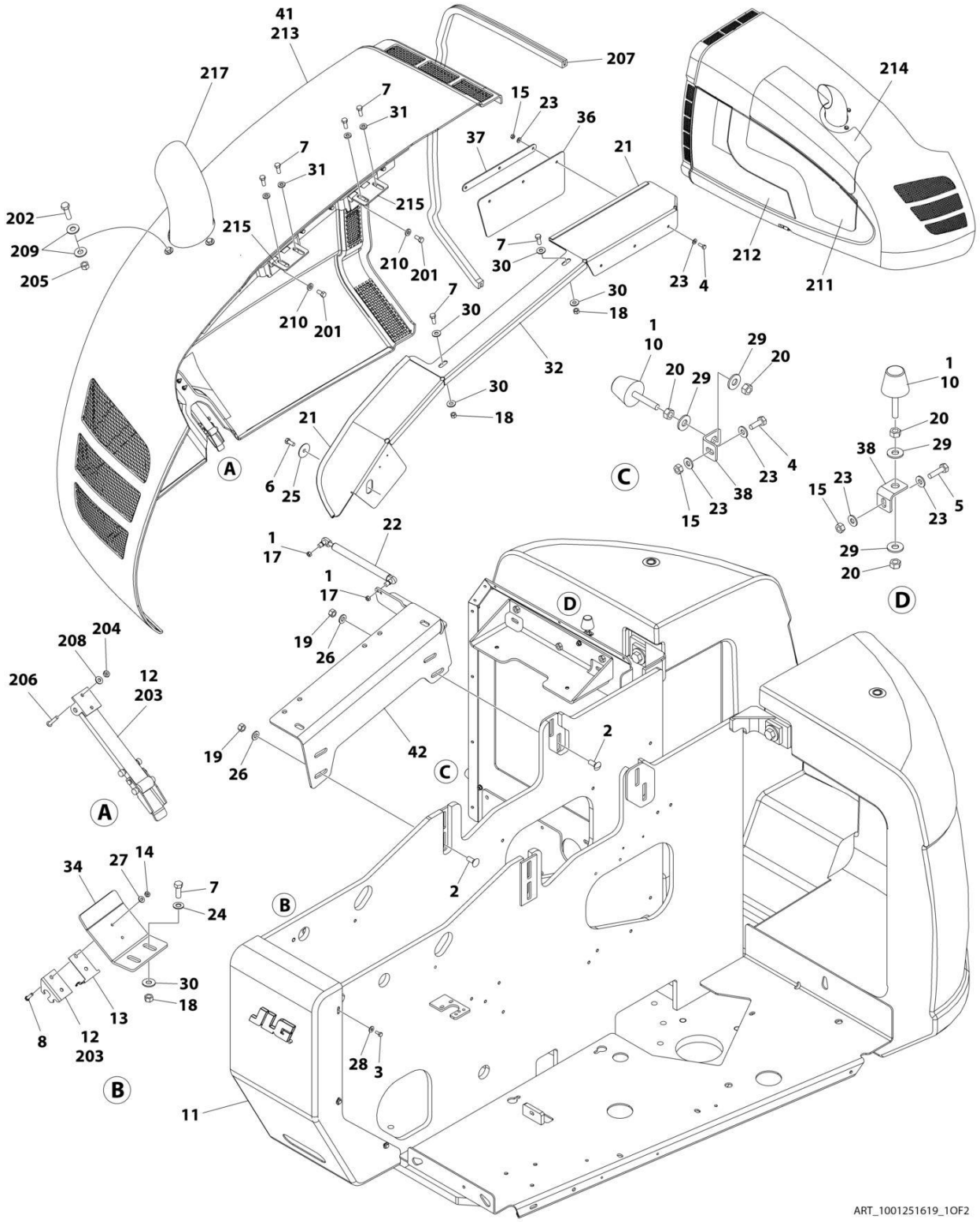

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FIGURE 2-60. HOODS INSTALLATION – DEUTZ D2011 ENGINES WITH NOISE REDUCTION (ABS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	See Note	Ref	Note: replacement decals must be ordered separately.	
	1001152435	Ref	HOODS INSTALLATION	K
1	0100011	AR	Compound, Locking	
2	0630507	8	Bolt, Carriage 1/2 x 1-1/4	
3	0641405	6	Bolt 1/4 x 3/4	
4	0641407	4	Bolt 1/4 x 7/8	
5	0641608	19	Bolt 3/8 x 1	
6	0721006	4	Bolt #10 x 3/4	
7	0902219	1	Bracket, Bumper	
8	1001137876	1	Bracket, Latch - Tank Side	
9	0902335	1	Bracket, Latch - Engine Side	
10	0940049	1	Bumper	
11	0940071	2	Bumper	
12	0940088	1	Bumper	
13	1670767	1	Cover, Turntable	
14	2680433	1	Spacer, Hood (Engine Side)	
15	2680434	1	Spacer, Hood (Tank Side)	
16	2940188	2	Latch, Spring Clip	
17	3311005	4	Nut #10	
18	3311405	4	Nut 1/4	
19	3311501	2	Nut 5/16	
20	3311505	4	Nut 5/16	
21	3311601	6	Nut 3/8	
22	3311605	7	Nut 3/8	
23	3311805	8	Nut 1/2	
24	3321501	2	Nut 5/16	
25	3539923	1	Plate, Seal	
26	3960389	3.5 ft/1m	Seal, Bulb	
27	3960418	7 ft/2.1m	Seal	
28	3960467	1	Seal, Foam	
29	4160143	2	Spring, Gas	
30	4740076	2	Washer, Fender	
31	4740171	8	Washer 1/2 Hardened	
32	4751000	4	Washer #10	
33	4751400	10	Washer 1/4	
34	4751500	4	Washer 5/16	
35	4751600	21	Washer 3/8	
36	1001160034	1	Hood - Engine Side (See Items 101-126 for Breakdown)	
37	1001160003	1	Hood - Tank Side (See Items 201-212 for Breakdown)	
38	1001235948	1	Mount - Engine Side	
39	1001152557	1	Mount - Tank Side	
40	4891600	8	Washer 3/8 Hardened	
100	1001294604	Ref	HOOD KIT (Includes Items 101 & 201)	A
101	1001160034	Ref	HOOD - ENGINE SIDE (Includes Items 102-126)	K
102	0641606	4	Bolt 3/8 x 3/4	
106	2940088	1	Latch	
107	3311005	2	Nut #10	
108	3911016	2	Screw #10 x 1	
109	1001164281	2.5 ft /0.76m	Seal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
111	4711000	2	Washer #10	
112	4751600	6	Washer 3/8	
113	1001188467	2	Hinge	
116	1001160598	1	Outlet, Exhaust	
117	0641610	3	Bolt 3/8 x 1-1/4	
119	3311605	3	Nut 3/8	
120	1001160961	1	Insulation	
122	1001160963	1	Insulation	
123	1001161027	1	Insulation	
124	4060805	64 in /1.6m	Flex-Trim	
125	1001169610	2	Spacer, Hinge	
126	4891600	4	Washer 3/8 Hardened	
201	1001160003	Ref	HOOD TANK SIDE (Includes Items 202-212)	H
202	0641606	4	Bolt 3/8 x 3/4	
203	2940088	1	Latch	
204	3311005	2	Nut #10	
205	3911016	2	Screw #10 x 1	
206	1001164281	3 ft /0.91m	Seal	
207	1001166394	4.5 ft /1.4m	Seal	
209	4751000	2	Washer #10	
210	4891600	4	Washer 3/8 Hardened	
211	1001188467	2	Hinge	
212	4060805	62 in /1.6m	Flex-Trim	

FIGURE 2-61. HOODS INSTALLATION – DEUTZ TD2.2L3 STAGE V ENGINES (ABS)



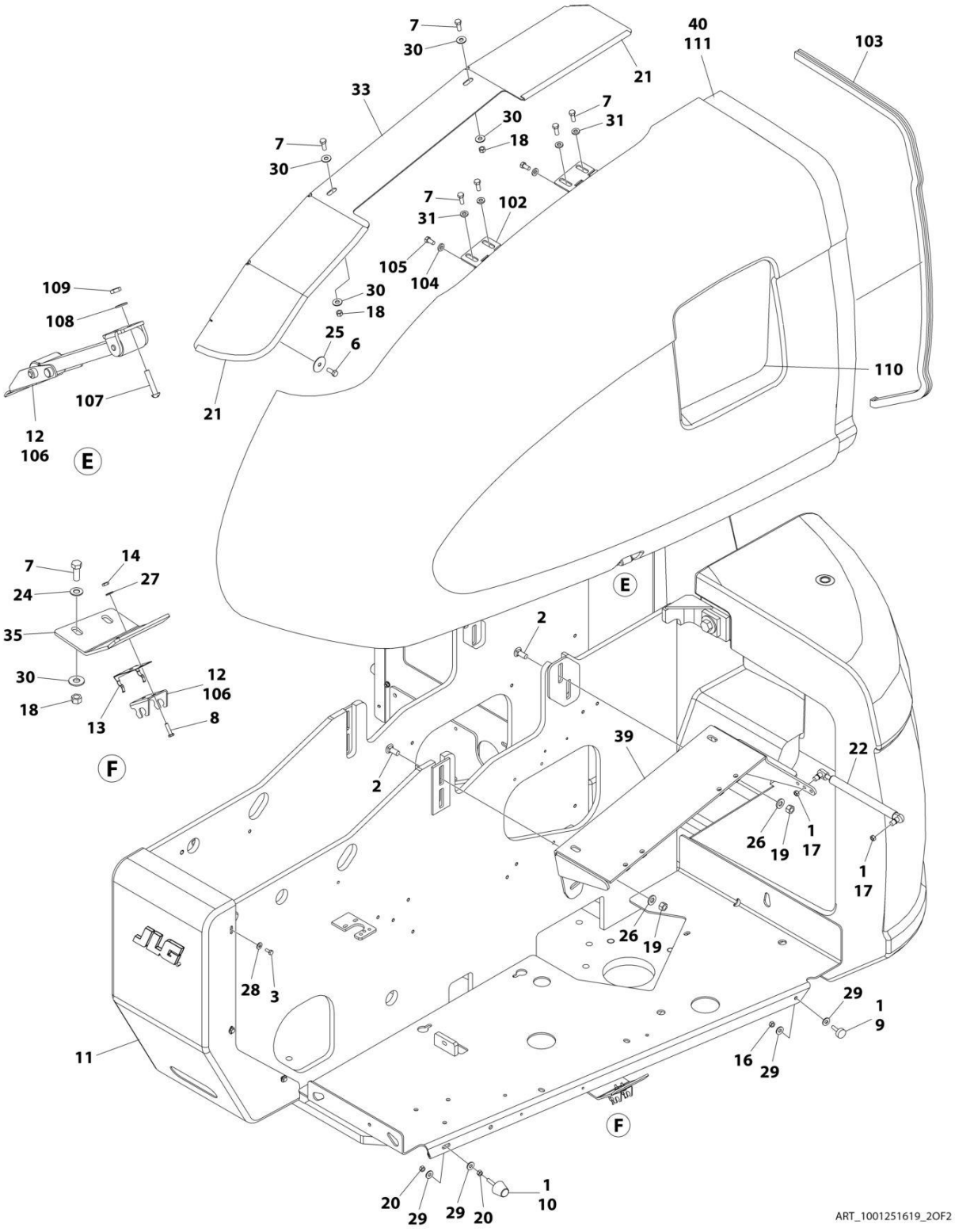
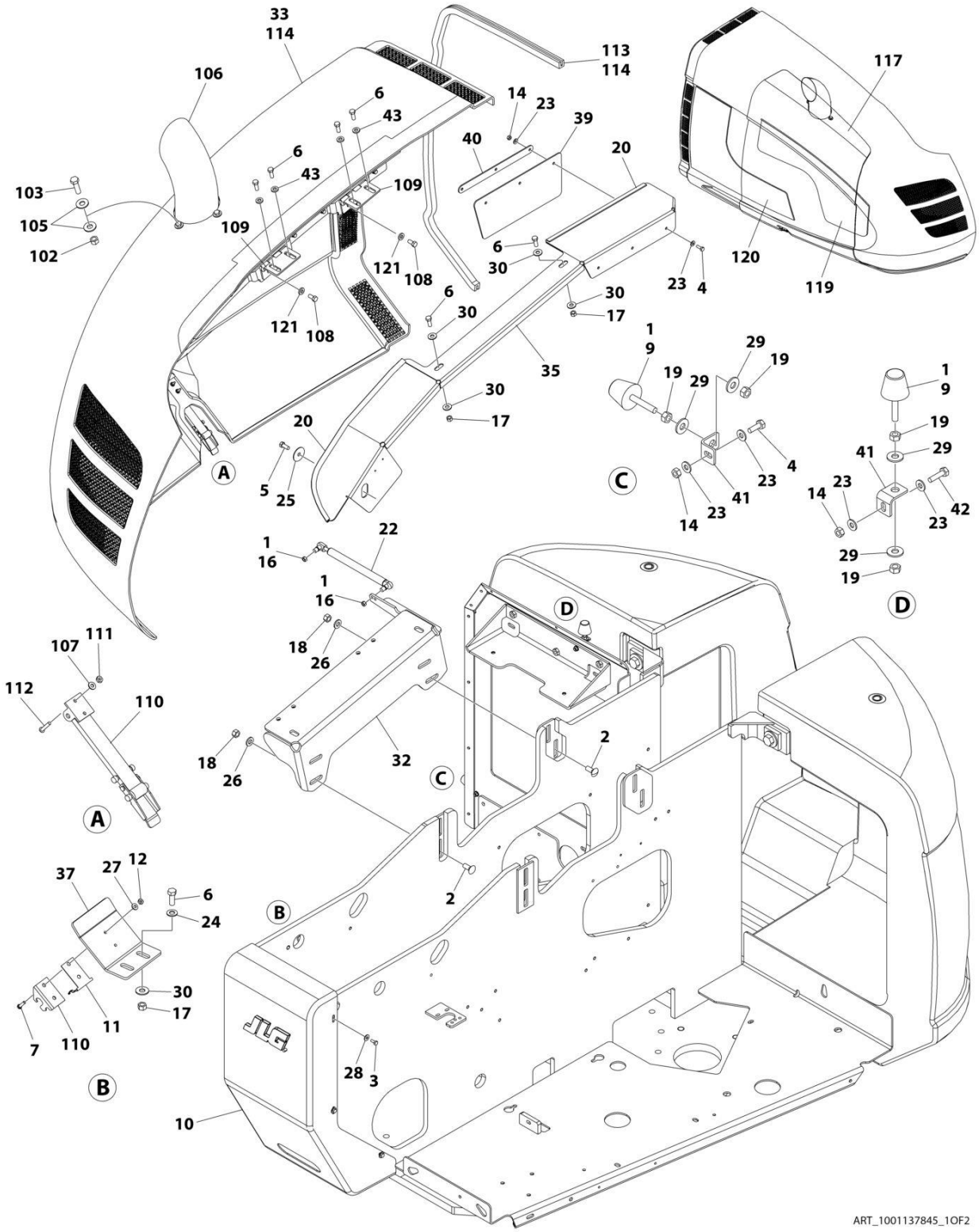

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FIGURE 2-61. HOODS INSTALLATION – DEUTZ TD2.2L3 STAGE V ENGINES (ABS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	See Note	Ref	Note: replacement decals must be ordered separately.	
	1001251619	Ref	HOODS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0630507	8	Bolt, Carriage 1/2 x 1-1/4	
3	0641405	6	Bolt 1/4 x 3/4	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641408	1	Bolt 1/4 x 1	
6	0641607	2	Bolt 3/8 x 7/8	
7	0641608	16	Bolt 3/8 x 1	
8	0721006	4	Bolt #10 x 3/4	
9	0940049	1	Bumper	
10	0940088	3	Bumper	
11	1670767	1	Cover, Turntable	
12	2940088	2	Latch	
13	2940188	2	Latch, Spring Clip	
14	3311005	4	Nut #10	
15	3311405	5	Nut 1/4	
16	3311501	1	Nut 5/16	
17	3311505	4	Nut 5/16	
18	3311605	8	Nut 3/8	
19	3311805	8	Nut 1/2	
20	3321501	6	Nut 5/16	
21	3960418	7 ft/2.1m	Seal	
22	4160143	2	Spring, Gas	
23	4711400	10	Washer 1/4	
24	4711600	4	Washer 3/8	
25	4740076	2	Washer, Fender	
26	4740171	8	Washer 1/2 Hardened	
27	4751000	4	Washer #10	
28	4751400	6	Washer 1/4	
29	4751500	8	Washer 5/16	
30	4751600	12	Washer 3/8	
31	4891600	8	Washer 3/8 Hardened	
32	1001137853	1	Spacer, Hood (Engine Side)	
33	1001137854	1	Spacer, Hood (Tank Side)	
34	1001137875	1	Bracket, Latch - Engine Side	
35	1001137876	1	Bracket, Latch - Tank Side	
36	1001137878	1	Rubber, Baffle	
37	1001137879	1	Bracket, Baffle	
38	1001137886	2	Bracket, Bumper	
39	1001152557	1	Mount - Tank Side	
40	1001160190	1	Hood - Tank Side (See Items 202-211 for Breakdown)	
41	1001251618	1	Hood - Engine Side (See Items 201-217 for Breakdown)	
42	1001253100	1	Mount - Engine Side	
43	3960467	1	Seal	
100	1001294603	Ref	HOOD KIT (Includes Items 101 & 201)	A
	1001160190	Ref	HOOD TANK SIDE (Includes Items 102-111)	G
102	1001188467	2	Hinge	
103	3960462	5 ft /1.52m	Seal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
104	4891600	4	Washer 3/8 Hardened	
105	0641606	4	Bolt 3/8 x 3/4	
106	2940088	1	Latch	
107	3911016	2	Screw #10 x 1	
108	4751000	2	Washer #10	
109	3311005	2	Nut #10	
110	1001166394	4.5 ft /1.4m	Seal	
111	1001164281	2.5 ft /0.8m	Seal	
201	1001251618	Ref	HOOD - ENGINE SIDE	D
201	0641606	4	Bolt 3/8 x 3/4	
202	0641610	3	Bolt 3/8 x 1-1/4	
203	2940088	1	Latch	
204	3311005	2	Nut #10	
205	3311605	3	Nut 3/8	
206	3911016	2	Screw #10 x 1	
207	3960462	5 ft /1.52m	Seal	
208	4751000	2	Washer #10	
209	4751600	6	Washer 3/8	
210	4891600	4	Washer 3/8 Hardened	
211	1001160963	1	Insulation	
212	1001160964	1	Insulation	
213	1001164281	2.5 ft /0.76m	Seal	
214	1001258377	1	Insulation	
215	1001188467	2	Hinge	
217	1001252082	1	Outlet, Exhaust	

FIGURE 2-62. HOODS INSTALLATION – DEUTZ TD2.9L4 AND FORD DF 2.5L ENGINES (ABS)



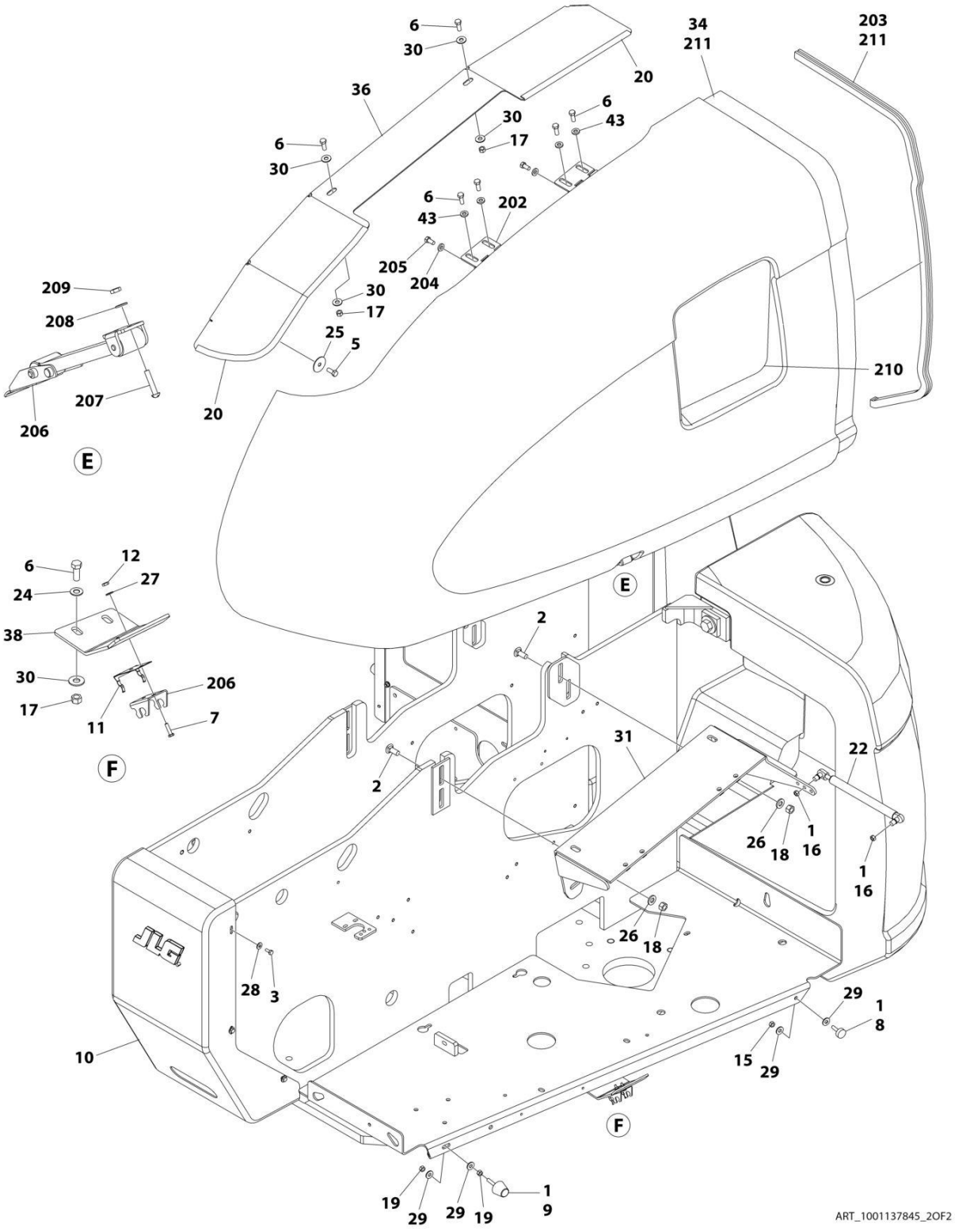

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FIGURE 2-62. HOODS INSTALLATION – DEUTZ TD2.9L4 AND FORD DF 2.5L ENGINES (ABS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	See Note	Ref	Note: replacement decals must be ordered separately.	
	1001137845	Ref	HOODS INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0630507	8	Bolt, Carriage 1/2 x 1-1/4	
3	0641405	6	Bolt 1/4 x 3/4	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641607	2	Bolt 3/8 x 7/8	
6	0641608	16	Bolt 3/8 x 1	
7	0721006	4	Bolt #10 x 3/4	
8	0940049	1	Bumper	
9	0940088	3	Bumper	
10	1670767	1	Cover, Turntable	
11	2940188	2	Latch, Spring Clip	
12	3311005	4	Nut #10	
14	3311405	5	Nut 1/4	
15	3311501	1	Nut 5/16	
16	3311505	4	Nut 5/16	
17	3311605	8	Nut 3/8	
18	3311805	8	Nut 1/2	
19	3321501	6	Nut 5/16	
20	3960418	7 ft/2.1m	Seal	
22	4160143	2	Spring, Gas	
23	4711400	10	Washer 1/4	
24	4711600	4	Washer 3/8	
25	4740076	2	Washer, Fender	
26	4740171	8	Washer 1/2 Hardened	
27	4751000	4	Washer #10	
28	4751400	6	Washer 1/4	
29	4751500	8	Washer 5/16	
30	4751600	12	Washer 3/8	
31	1001152557	1	Mount - Tank Side	
32	1001235948	1	Mount - Engine Side	
35	1001137853	1	Spacer, Hood (Engine Side)	
36	1001137854	1	Spacer, Hood (Tank Side)	
37	1001137875	1	Bracket, Latch - Engine Side	
38	1001137876	1	Bracket, Latch - Tank Side	
39	1001137878	1	Rubber, Baffle	
40	1001137879	1	Bracket, Baffle	
41	1001137886	2	Bracket, Bumper	
42	0641408	1	Bolt 1/4 x 1	
43	4891600	8	Washer 3/8 Hardened	
100	1001294703	Ref	HOOD KIT (Includes Items 101 & 201)	A
101	1001160189	Ref	HOOD - ENGINE SIDE (Includes items 102-121)	G
102	3311605	3	Nut 3/8	
103	0641610	3	Bolt 3/8 x 1-1/4	
105	4751600	6	Washer 3/8	
106	1001137860	1	Outlet, Exhaust	
107	4751000	2	Washer #10	
108	0641606	4	Bolt 3/8 x 3/4	
109	1001188467	2	Hinge	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
110	2940088	1	Latch	
111	3311005	2	Nut #10	
112	3911016	2	Screw #10 x 1	
113	3960462	5 ft /1.52m	Seal	
114	1001164281	2.5 ft /0.76m	Seal	
117	1001165741	1	Insulation	
119	1001160963	1	Insulation	
120	1001160964	1	Insulation	
121	4891600	4	Washer 3/8 Hardened	
201	1001160190	Ref	HOOD TANK SIDE (Includes items 202-211)	G
202	1001188467	2	Hinge	
203	3960462	5 ft /1.52m	Seal	
204	4891600	4	Washer 3/8 Hardened	
205	0641606	4	Bolt 3/8 x 3/4	
206	2940088	1	Latch	
207	3911016	2	Screw #10 x 1	
208	4751000	2	Washer #10	
209	3311005	2	Nut #10	
210	1001166394	4.5 ft /1.4m	Seal	
211	1001164281	2.6 ft /0.8m	Seal	

FIGURE 2-63. NOISE REDUCTION INSTALLATION - DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES

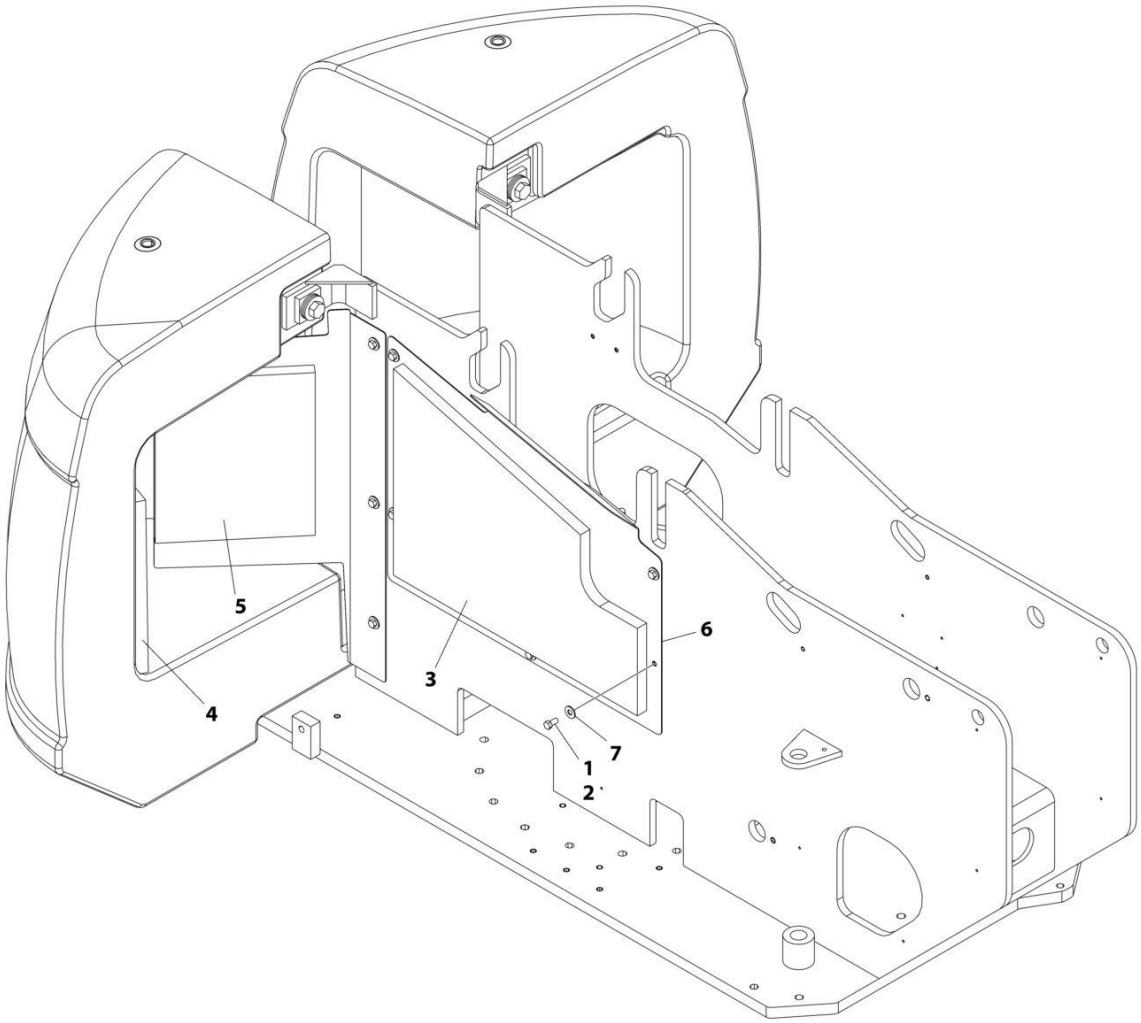


FIGURE 2-63. NOISE REDUCTION INSTALLATION - DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152325	Ref	NOISE REDUCTION INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641606	5	Bolt 3/8 x 3/4	
3	2820078	1	Foam, Acoustical	
4	2820082	1	Foam, Acoustical	
5	2820083	1	Foam, Acoustical	
6	3539988	1	Plate, Baffle	
7	4751600	5	Washer 3/8	

FIGURE 2-64. NOISE REDUCTION INSTALLATION - DEUTZ TD2.2L3 ENGINES

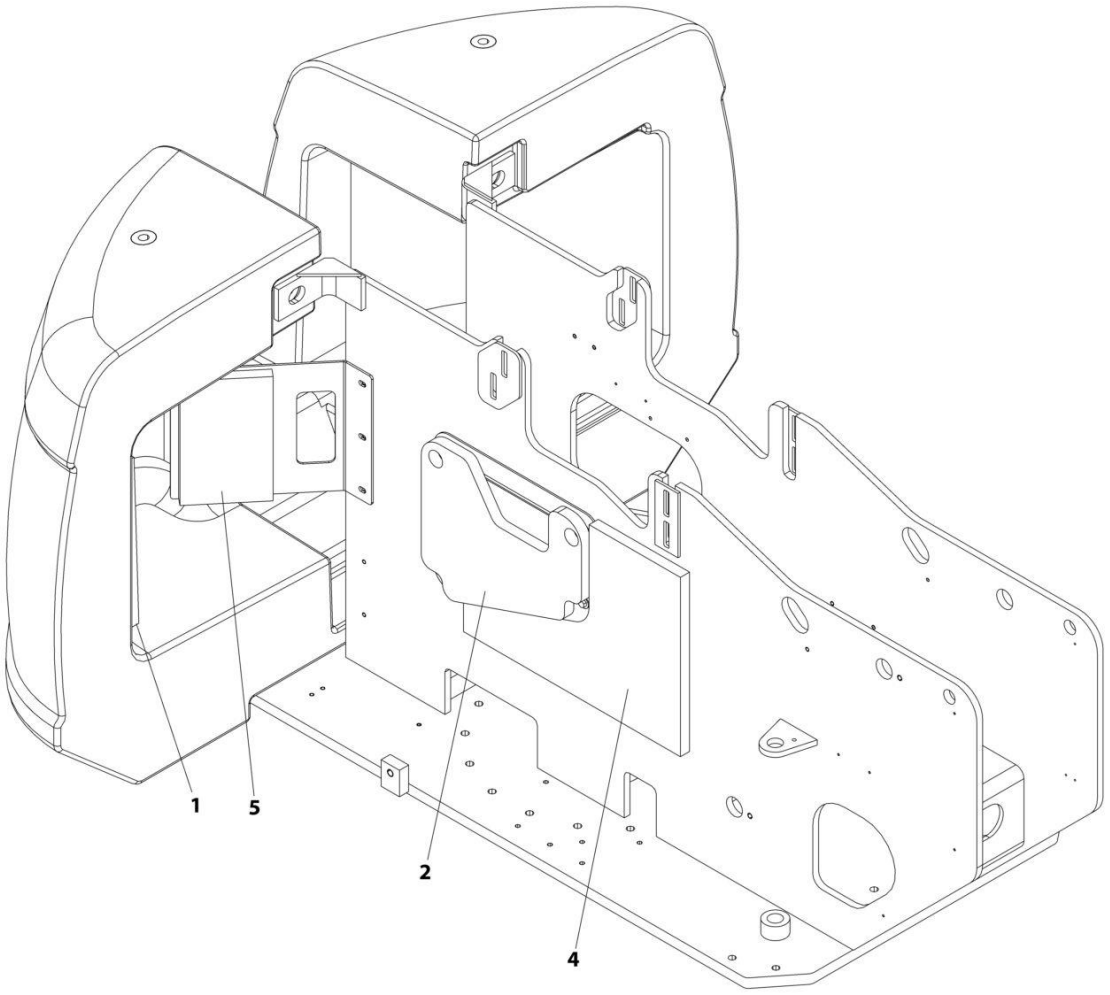


FIGURE 2-64. NOISE REDUCTION INSTALLATION - DEUTZ TD2.2L3 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255777	Ref	NOISE REDUCTION INSTALLATION	C
1	2820082	1	Foam, Acoustical	
2	1001254499	1	Insulate, Foam	
4	1001254738	1	Insulate, Foam	
5	1001254769	1	Insulate, Foam	

SECTION 3 - ENGINE

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

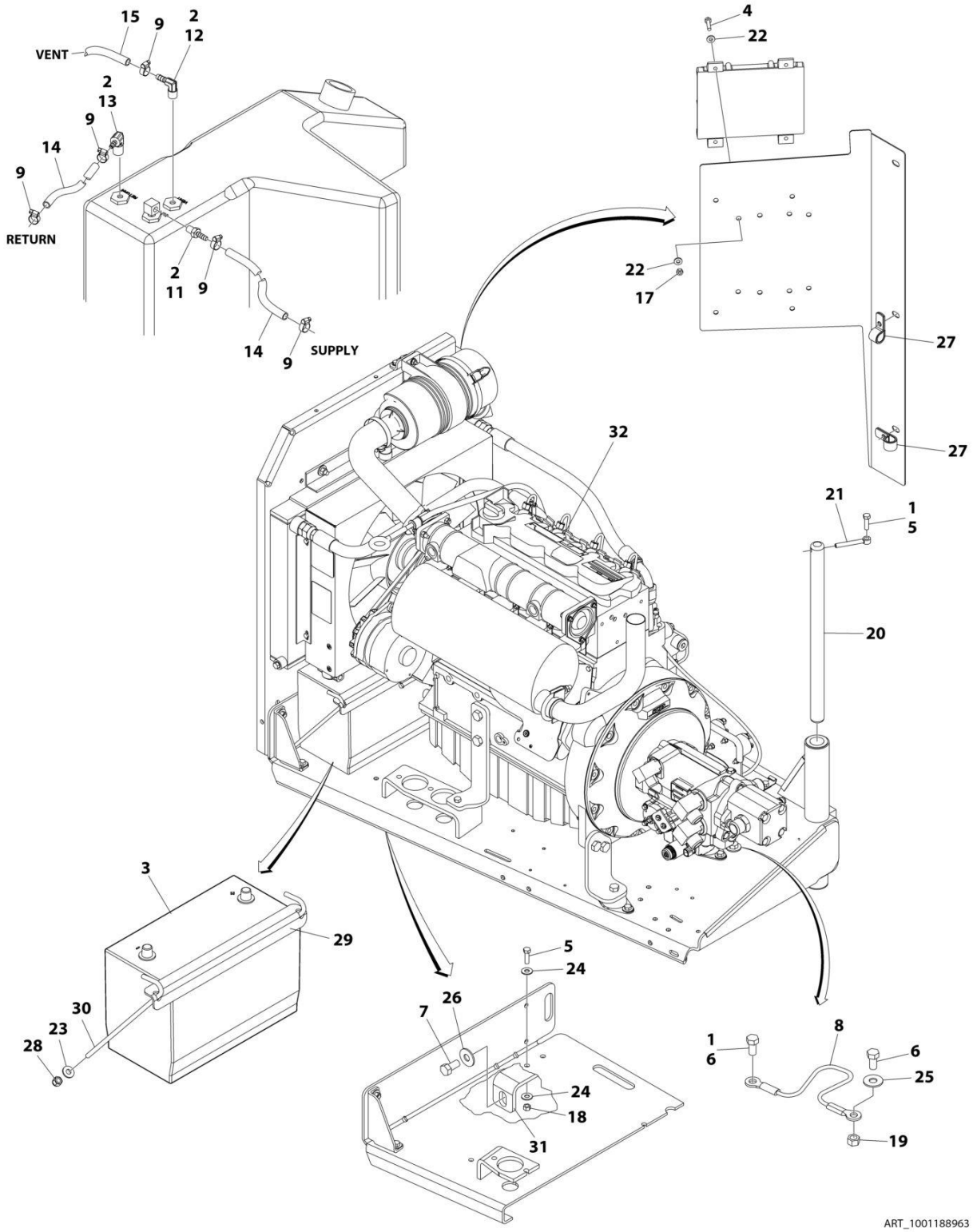


FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION – WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188963	Ref	DEUTZ D2011 ENGINE INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0400075	1	Battery	
4	0641409	4	Bolt 1/4 x 1-1/8	
5	0641610	3	Bolt 3/8 x 1-1/4	
6	0641808	2	Bolt 1/2 x 1	
7	0642010	1	Bolt 5/8 x 1-1/4	
8	1060637	1	Cable, Lanyard	
9	1320022	5	Clamp, Hose	
10	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
11	2180348	1	Fitting, Straight Barbed	
12	2220313	1	Fitting, 90	
13	2221176	1	Fitting, Straight Barbed	
14	2720058	24 ft /7.3m	Hose	
15	2750532	6 ft /1.8m	Hose	
16	1001241578	1	Battery Cable Kit (No Info at Time of Printing)	A
17	3311405	4	Nut 1/4	
18	3311605	2	Nut 3/8	
19	3311805	1	Nut 1/2	
20	3422448	1	Pin, Pivot	
21	3841143	1	Pin, Keeper	
22	4711400	8	Washer 1/4	
23	4751500	2	Washer 5/16	
24	4751600	4	Washer 3/8	
25	4751800	1	Washer 1/2	
26	4752000	1	Washer 5/8	
27	85941017	2	Clamp	
28	88521205	2	Nut 5/16	
29	91401281	1	Hold-down, Battery	
30	1001093382	2	J-Bolt	
31	1001151070	1	Angle	
32	1001188954	1	Engine Assembly with Pumps (See Separate Breakdown in this Section)	

FIGURE 3-2. DEUTZ D2011 ENGINE INSTALLATION – WITH ARCTIC PACKAGE

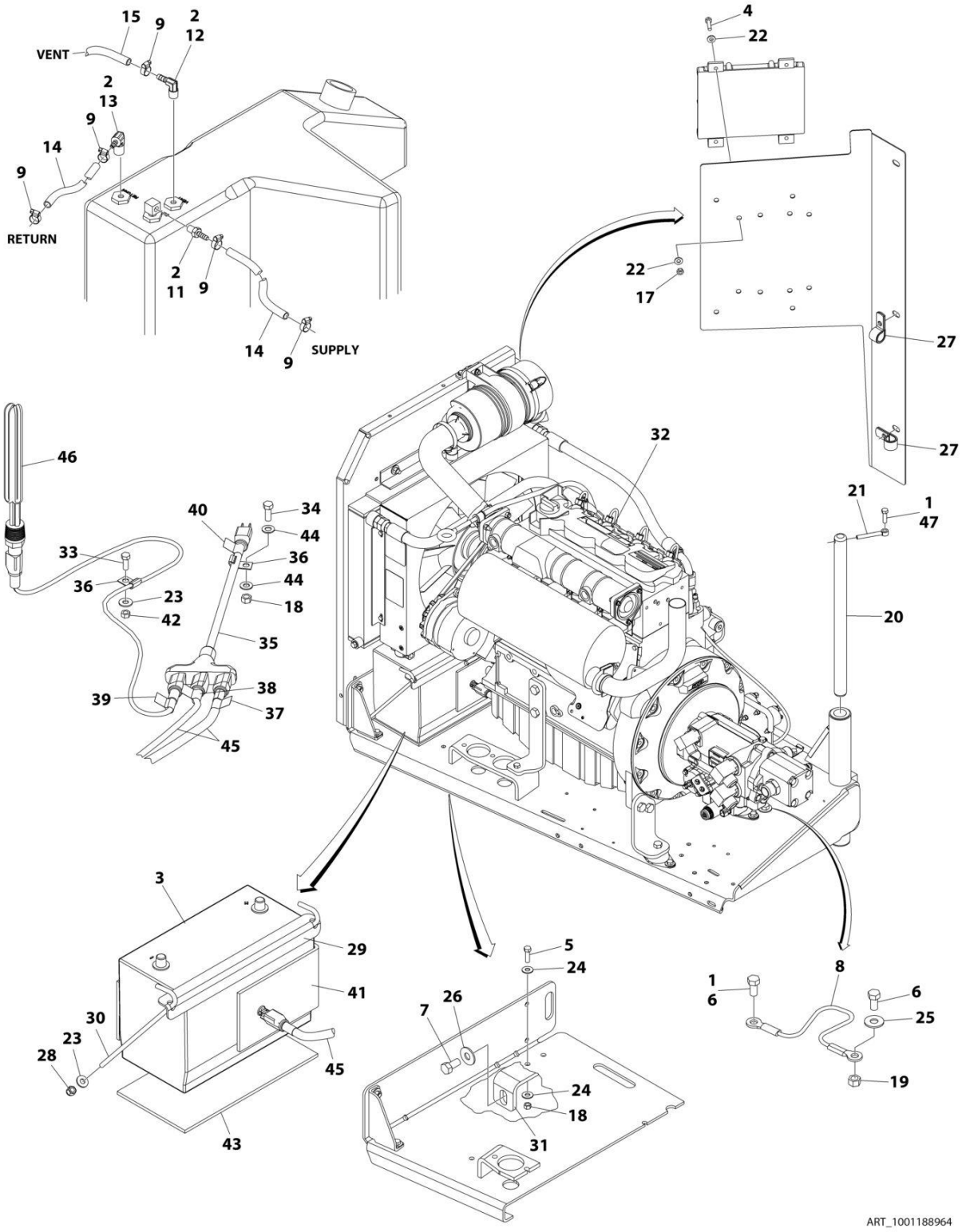


FIGURE 3-2. DEUTZ D2011 ENGINE INSTALLATION – WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188964	Ref	DEUTZ D2011 ENGINE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0400075	1	Battery	
4	0641409	4	Bolt 1/4 x 1-1/8	
5	0641610	2	Bolt 3/8 x 1-1/4	
6	0641808	2	Bolt 1/2 x 1	
7	0642010	1	Bolt 5/8 x 1-1/4	
8	1060637	1	Cable, Lanyard	
9	1320022	5	Clamp, Hose	
10	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
11	2180348	1	Fitting, Straight Barbed	
12	2220313	1	Fitting, 90	
13	2221176	1	Fitting, Straight Barbed	
14	2720058	24 ft /7.3m	Hose	
15	2750532	6 ft /1.8m	Hose	
16	1001241578	1	Battery Cable Kit (No Info at Time of Printing)	
17	3311405	4	Nut 1/4	
18	3311605	3	Nut 3/8	
19	3311805	1	Nut 1/2	
20	3422448	1	Pin, Pivot	
21	3841143	1	Pin, Keeper	
22	4711400	8	Washer 1/4	
23	4751500	3	Washer 5/16	
24	4751600	4	Washer 3/8	
25	4751800	1	Washer 1/2	
26	4752000	1	Washer 5/8	
27	85941017	2	Clamp	
28	88521205	2	Nut 5/16	
29	91401281	1	Hold-down, Battery	
30	1001093382	2	J-Bolt	
31	1001151070	1	Angle	
32	1001188955	1	Engine Assembly with Pumps (See Separate Breakdown in this Section)	
33	0641507	1	Bolt 5/16 x 7/8	
34	0641608	1	Bolt 3/8 x 1	
35	1060626	1	Cord, 3-Way Extension	
36	1320223	2	Clamp	
37	1702941	1	Decal - Battery Heater	
38	1702942	1	Decal - Engine Block Heater	
39	1702943	1	Decal - Hydraulic Tank Heater	
40	1702944	1	Decal - Heater Cord	
41	2580024	1	Heater, Battery	
42	3311505	1	Nut 5/16	
43	3980007	1	Seat, Battery	
44	4711600	2	Washer 3/8	
45	1001150918	2	Cable, Immersion Heater	
46	1001188972	1	Heater, Hydraulic Tank	

FIGURE 3-3. DEUTZ D2011 ENGINE/PUMP SUB-ASSEMBLY – WITHOUT ARCTIC PACKAGE

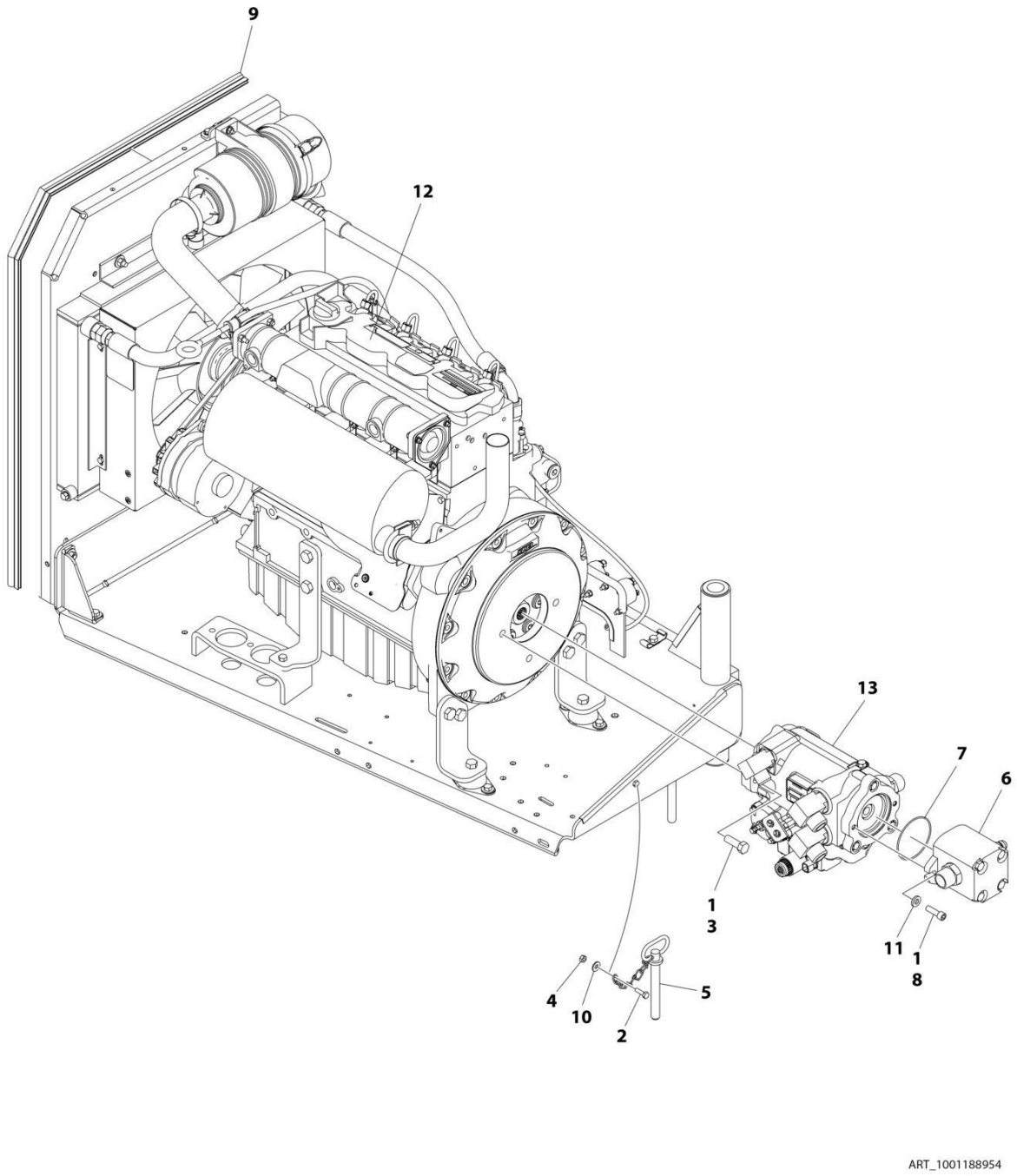


FIGURE 3-3. DEUTZ D2011 ENGINE/PUMP SUB-ASSEMBLY – WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188954	Ref	DEUTZ D2011 ENGINE/PUMP SUB-ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641812	2	Bolt 1/2 x 1-1/2	
4	3311405	1	Nut 1/4	
5	3422533	1	Pin, Hitch	
6	3600395	1	Gear Pump Assembly with Fittings (See Separate Breakdown in this section)	
7	3790152	1	O-Ring	
8	3931620	2	Capscrew 3/8 x 1-1/4	
9	3960389	5 ft /1.5m	Seal	
10	4751400	1	Washer 1/4	
11	4891600	2	Washer 3/8 Hardened	
12	1001150158	1	Engine Assembly (See Separate Breakdown in this Section)	
13	1001188952	1	Piston Pump Assembly with Fittings (See Separate Breakdown in this section)	

FIGURE 3-4. DEUTZ D2011 ENGINE/PUMP SUB-ASSEMBLY – WITH ARCTIC PACKAGE

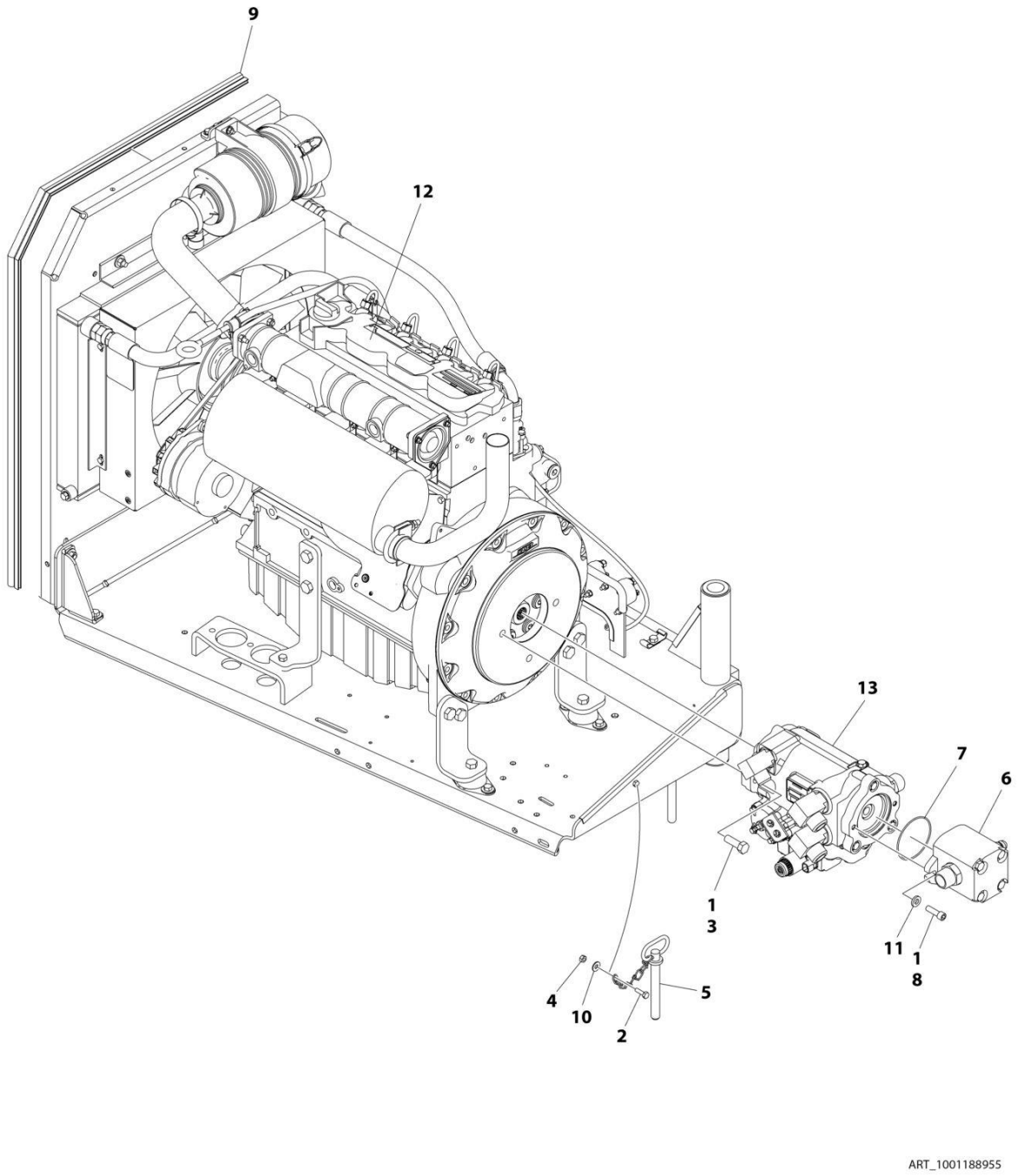
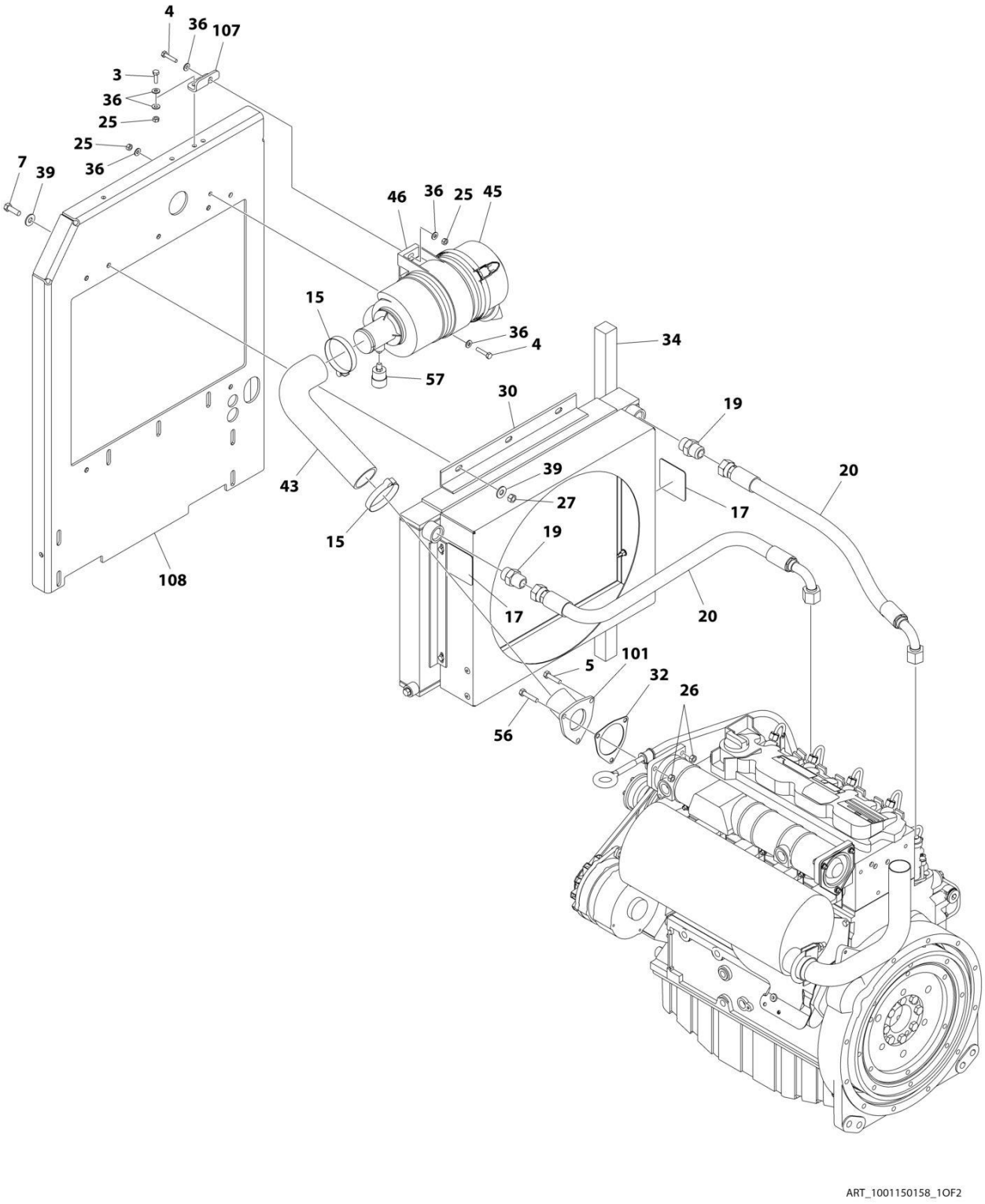


FIGURE 3-4. DEUTZ D2011 ENGINE/PUMP SUB-ASSEMBLY – WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188955	Ref	DEUTZ D2011 ENGINE/PUMP SUB-ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641812	2	Bolt 1/2 x 1-1/2	
4	3311405	1	Nut 1/4	
5	3422533	1	Pin, Hitch	
6	3600395	1	Gear Pump Assembly with Fittings (See Separate Breakdown in this section)	
7	3790152	1	O-Ring	
8	3931620	2	Capscrew 3/8 x 1-1/4	
9	3960389	5 ft /1.5m	Seal	
10	4751400	1	Washer 1/4	
11	4891600	2	Washer 3/8 Hardened	
12	1001150179	1	Engine Assembly (See Separate Breakdown in this Section)	
13	1001188952	1	Piston Pump Assembly with Fittings (See Separate Breakdown in this section)	

FIGURE 3-5. DEUTZ D2011 ENGINE ASSEMBLY – WITHOUT ARCTIC PACKAGE



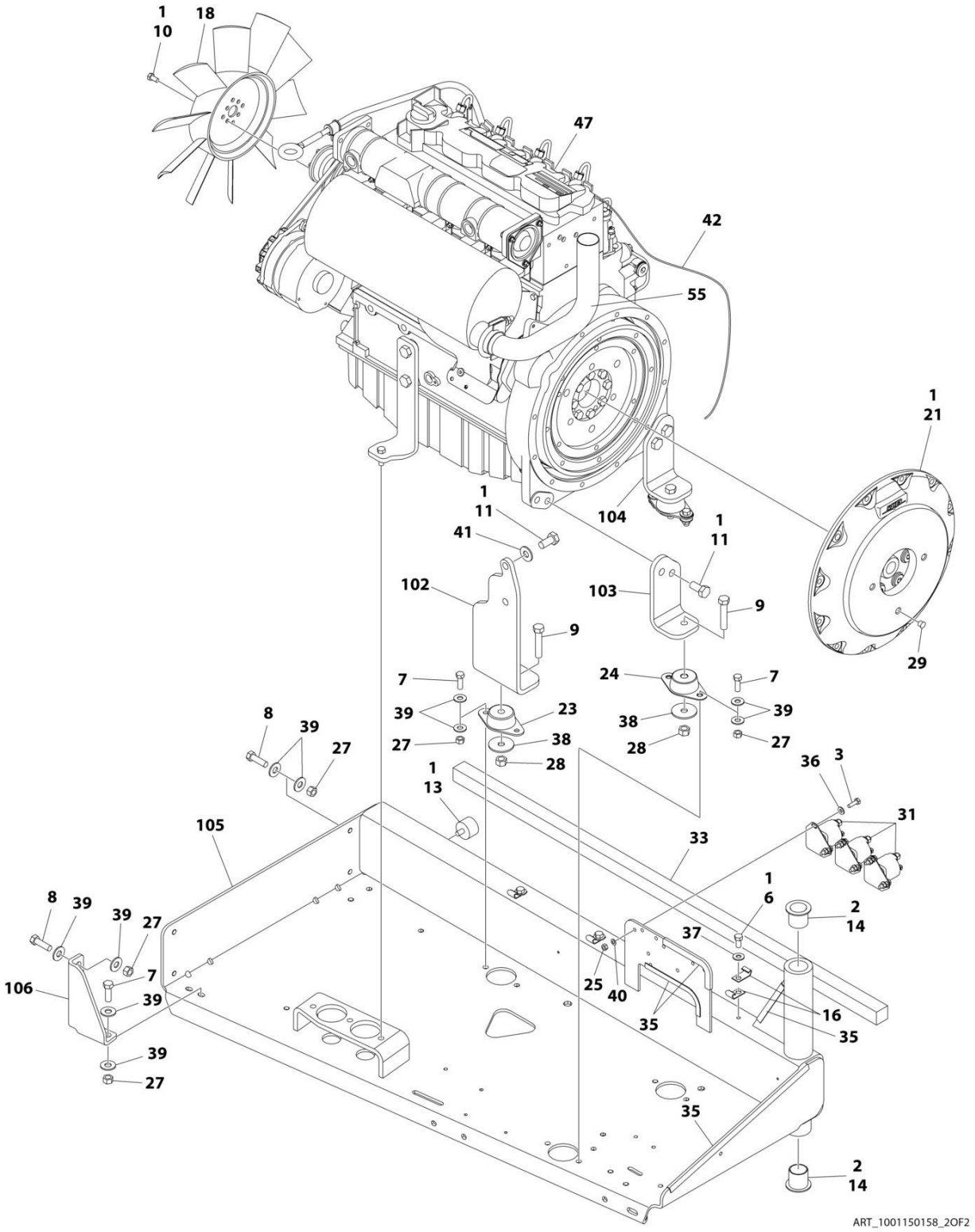
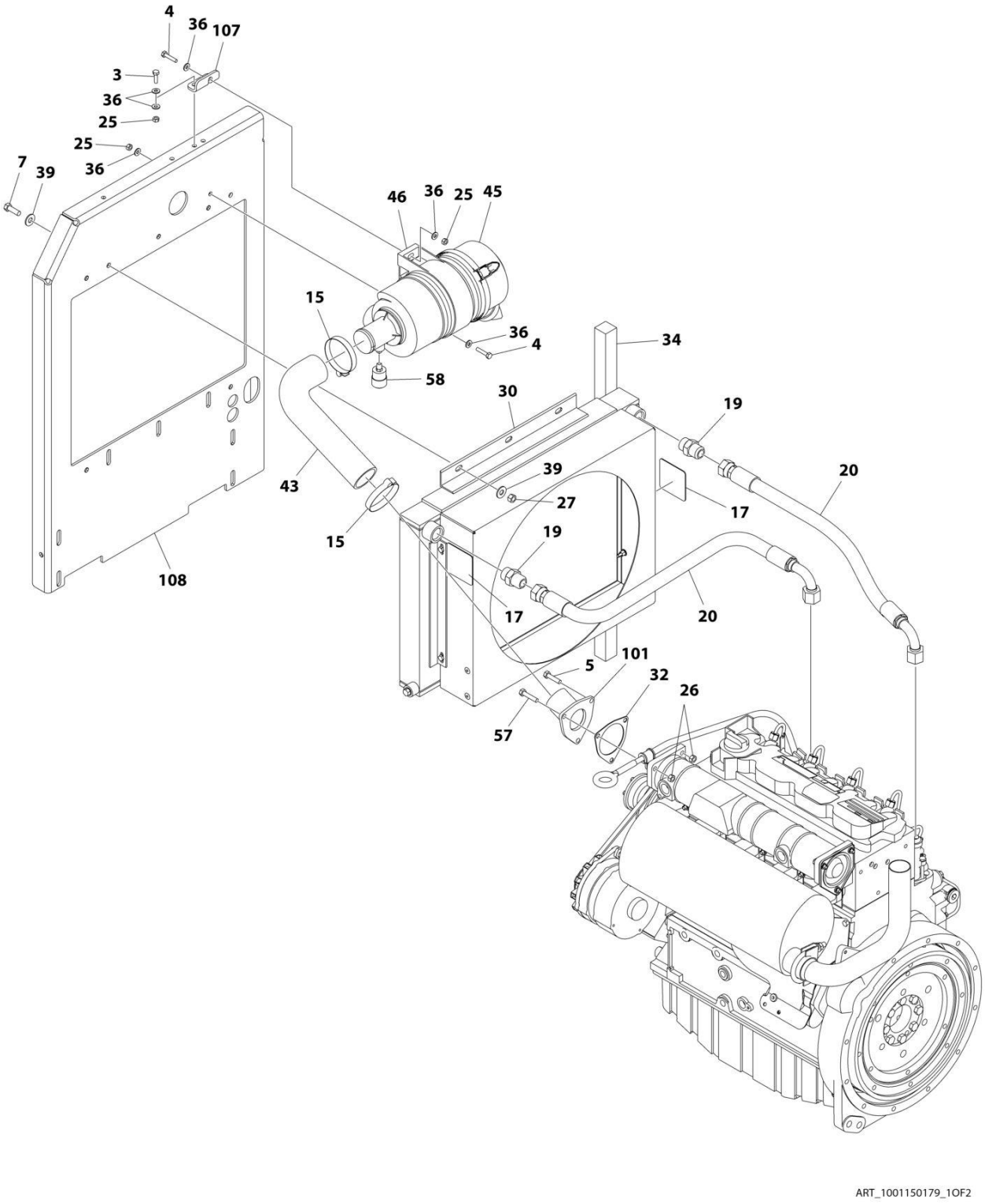

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FIGURE 3-5. DEUTZ D2011 ENGINE ASSEMBLY – WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150158	Ref	DEUTZ D2011 ENGINE ASSEMBLY	M
1	0100011	AR	Compound, Locking	
2	0100062	AR	Compound, Locking	
3	0641407	8	Bolt 1/4 x 7/8	
4	0641410	2	Bolt 1/4 x 1-1/4	
5	0641510	2	Bolt 5/16 x 1- 1/4	
6	0641606	3	Bolt 3/8 x 3/4	
7	0641609	14	Bolt 3/8 x 1-1/8	
8	0641610	4	Bolt 3/8 x 1-1/4	
9	0641820	3	Bolt 1/2 x 2-1/2	
10	0700808	4	Bolt M8 x 16mm	
11	0771414	6	Bolt M14 x 30	
13	0940070	1	Bumper	
14	0961986	2	Bushing, Flanged	
15	1320016	2	Clamp	
16	1320223	4	J-Clip	
17	1703162	2	Decal - Caution Fan Blade	
18	2060025	1	Fan	
19	2220451	2	Fitting, Straight	
20	2720398	2	Hose, Oil Cooler	
21	2902065	1	Kit, Pump Coupling (See Separate Breakdown in this Section)	
23	3200401	1	Mount, Motor (Front)	
24	3200406	2	Mount, Motor (Rear)	
25	3311405	10	Nut 1/4	
26	3311505	3	Nut 5/16	
27	3311605	18	Nut 3/8	
28	3311805	3	Nut 1/2	
29	3520054	2	Plug, Hole	
30	1001150998	1	Radiator	
31	3740067	3	Relay	
32	3960407	1	Gasket, Air Intake	
33	3960468	1	Seal	
34	3960469	1	Seal	
35	4060805	37 in /1m	Flex-Trim	
36	4711400	14	Washer 1/4	
37	4711600	3	Washer 3/8	
38	4740274	3	Washer, Snubbing	
39	4751600	36	Washer 3/8	
40	4791400	6	Starwasher 1/4	
41	4812200	2	Washer M14	
42	4923379	1	Harness, Glow Plug	
43	1001130041	1	Elbow	
45	1001141693	1	Air Cleaner Assembly	
45	70003783	1	Element, Filter	
46	1001141694	1	Clamp, Air Filter	
47	1001146368	Ref	Deutz D2011 Engine Components (See Separate Breakdown in this Section)	
55	1001151251	1	Pipe, Exhaust	
56	0641512	1	Bolt 5/16 x 1-1/2	
57	1001143390	1	Indicator, Air Filter Service	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
100	1001265493	1	Kit – Engine Parts	A
101	1001139819	1	Adapter, Air Intake	
102	1001149704	1	Support, Engine (Front)	
103	1001149705	1	Support, Engine (Rear)	
104	1001149706	1	Support, Engine (Rear)	
105	1001149793	1	Tray	
106	1001150915	1	Support	
107	1001151078	1	Angle	
108	1001151206	1	Plate, Radiator Mounting	

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



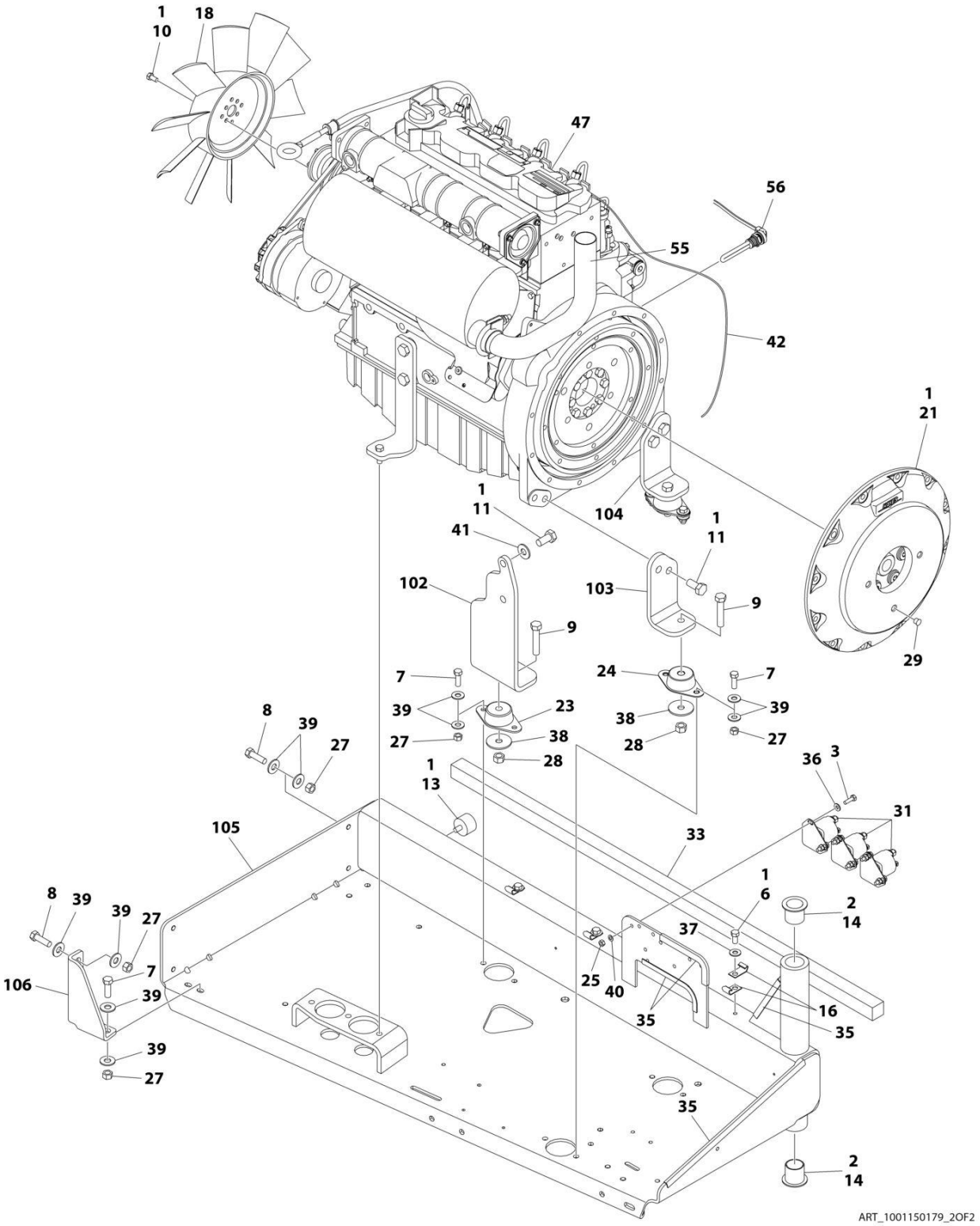

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FIGURE 3-6. DEUTZ D2011 ENGINE ASSEMBLY – WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150179	Ref	DEUTZ D2011 ENGINE ASSEMBLY	K
1	0100011	AR	Compound, Locking	
2	0100062	AR	Compound, Locking	
3	0641407	8	Bolt 1/4 x 7/8	
4	0641410	2	Bolt 1/4 x 1-1/4	
5	0641510	2	Bolt 5/16 x 1-1/4	
6	0641606	3	Bolt 3/8 x 3/4	
7	0641609	14	Bolt 3/8 x 1-1/8	
8	0641610	4	Bolt 3/8 x 1-1/4	
9	0641820	3	Bolt 1/2 x 2-1/2	
10	0700808	4	Bolt M8 x 16mm	
11	0771414	6	Bolt M14 x 30	
13	0940070	1	Bumper	
14	0961986	2	Bushing, Flanged	
15	1320016	2	Clamp	
16	1320223	4	J-Clip	
17	1703162	2	Decal - Caution Fan Blade	
18	2060025	1	Fan	
19	2220451	2	Fitting, Straight	
20	2720398	2	Hose, Oil Cooler	
21	2902065	1	Kit, Pump Coupling (See Separate Breakdown in this Section)	
23	3200401	1	Mount, Motor (Front)	
24	3200406	2	Mount, Motor (Rear)	
25	3311405	10	Nut 1/4	
26	3311505	3	Nut 5/16	
27	3311605	18	Nut 3/8	
28	3311805	3	Nut 1/2	
29	3520054	2	Plug, Hole	
30	1001150998	1	Radiator	
31	3740067	3	Relay	
32	3960407	1	Gasket, Air Intake	
33	3960468	1	Seal	
34	3960469	1	Seal	
35	4060805	37 in /1m	Flex-Trim	
36	4711400	14	Washer 1/4	
37	4711600	3	Washer 3/8	
38	4740274	3	Washer, Snubbing	
39	4751600	36	Washer 3/8	
40	4791400	6	Starwasher 1/4	
41	4812200	2	Washer M14	
42	4923379	1	Harness, Glow Plug	
43	1001130041	1	Elbow	
45	1001141693	1	Air Cleaner Assembly	
45	70003783	1	Element, Filter	
46	1001141694	1	Clamp, Air Filter	
47	1001146368	Ref	Deutz D2011 Engine Components (See Separate Breakdown in this Section)	
55	1001151251	1	Pipe, Exhaust	
56	2580062	1	Heater, Engine Block	
57	0641512	1	Bolt 5/16 x 1-1/2	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
58	1001143390	1	Indicator, Air Filter Service	
100	1001265493	1	Mounting Kit (Not Shown)	
101	1001139819	1	Adapter, Air Intake	
102	1001149704	1	Support, Engine (Front)	
103	1001149705	1	Support, Engine (Rear)	
104	1001149706	1	Support, Engine (Rear)	
105	1001149793	1	Tray	
106	1001150915	1	Support	
107	1001151078	1	Angle	
108	1001151206	1	Plate, Radiator Mounting	

FIGURE 3-7. DEUTZ D2011 ENGINE COMPONENTS

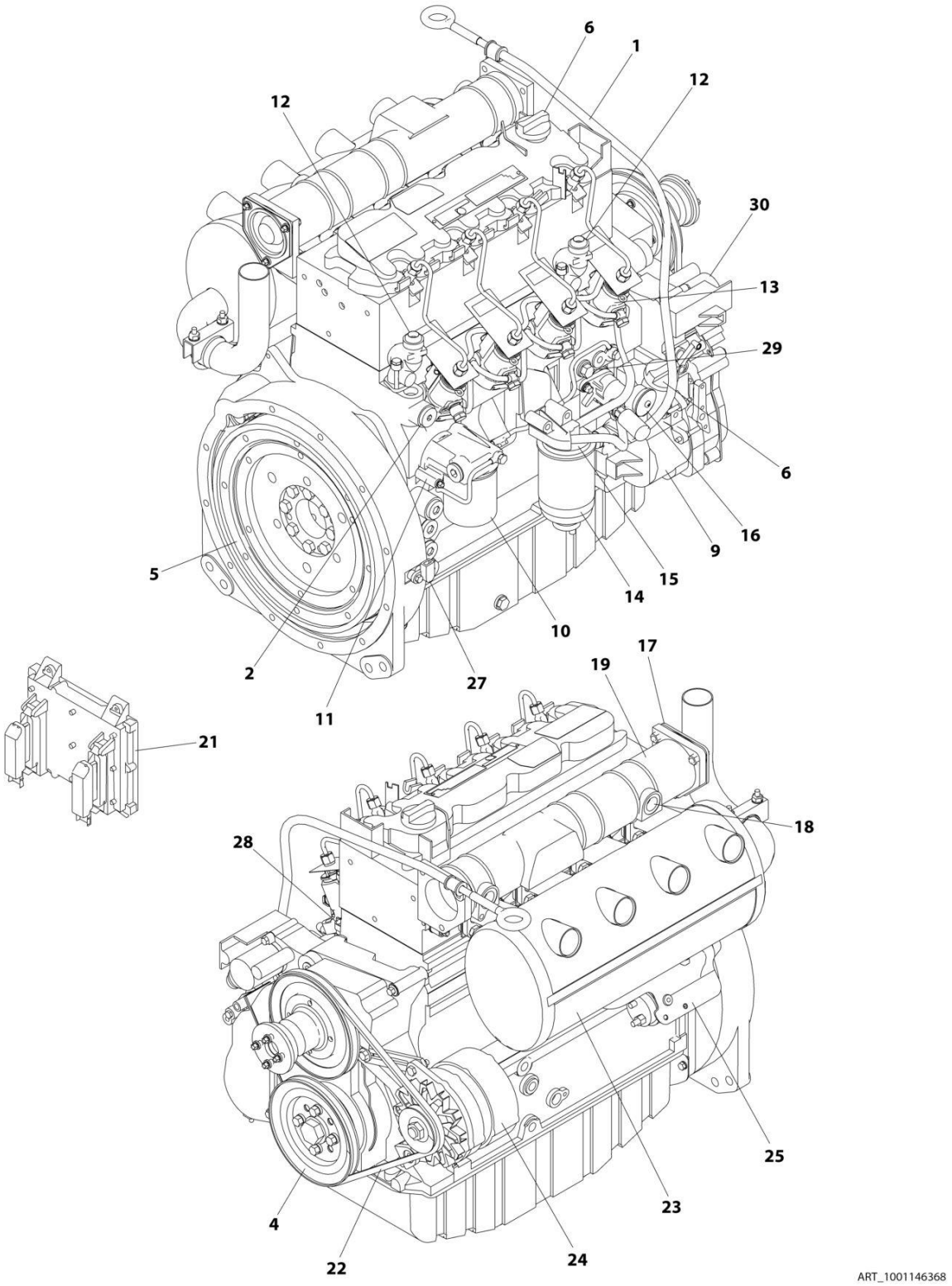


FIGURE 3-7. DEUTZ D2011 ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001146368	Ref	DEUTZ D2011 ENGINE COMPONENTS	E
1	7026631	1	Dipstick	
1	7020487	1	O-Ring, Dipstick	
1	70001002	1	Tube, Dipstick	
1	7020403	1	Seal, Dipstick Tube	
2	70003475	1	Thermostat	
2	7020460	1	Spring, Compression	
3	70002718	1	Seal, Rear Main (Not Shown)	
4	70005479	1	Pulley	
5	70001870	1	Flywheel	
5	7024579	1	Ring Gear	
6	7020465	2	Cap, Filler	
7	70003456	1	Gasket, Head (Not Shown)	
7	70003457	1	Gasket, Head (Not Shown)	
7	70003003	1	Gasket, Head (Not Shown)	
8	7020431	1	Gasket, Valve Cover (Not Shown)	
9	70001850	1	Pump, Oil Lube	
9	7020468	1	Seal Between Oil Pump and Engine Block (Not Shown)	
10	7016331	1	Filter, Oil	
11	70003472	1	Bracket, Oil Filter (Includes Spring, Control Valve, Temperature Sensor, Seal and Plug)	
11	7027236	1	Sensor, Temperature	
11	70003473	1	Gasket, Oil Filter Bracket to Engine Block	
12	70004268	2	Fitting, Radiator Connector (Located Between Item 220 and Engine Block)	
12	70004269	2	Seal for Radiator Connector Fitting	
13	70003478	4	Injector, Fuel	
13	70003136	4	Seal	
13		Ref	Pump, Injector Options:	
13	70000912	1	Series A Injector	
13	70000913	4	Series B Injector	
13	70000914	1	Series C Injector	
13	70000915	1	Series D Injector	
14	7016328	1	Filter, Fuel	
15	70001423	1	Bracket, Fuel Filter	
16	70000916	1	Pump Fuel Supply	
16	70001435	1	Repair Kit for Pump	
16	70000919	1	Hand Pump	
16	70000918	1	Seal, Hand Pump	
16	70000917	1	O-Seal Between Fuel Pump and Engine Block (Not Shown)	
17	70003469	1	Flange	
17	70003468	1	O-Seal	
18	70025084	1	Plug	
19	70003470	1	Manifold, Intake	
19	70001871	4	Gasket, Intake Manifold to Engine Block (Not Shown)	
20	70001847	1	Breather Valve (Not Shown - Located on Front Cover)	
20	70001126	1	Seal, Breather Valve	
21	7027795	1	Module, Control	
22	7020408	1	V-Belt	
23	7000695	1	Muffler (Includes Saddle Clamp)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
23	7020471	4	Gasket, Exhaust Manifold (Not Shown)	
23	70004270	8	Stud, Exhaust Manifold (Not Shown)	
24	70004056	1	Alternator	
24	70001868	1	Regulator, Voltage Options (Not Shown)	
24	70001866	1	Gasket for Voltage Regulator (Not Shown)	
24	70002234	1	Bracket, Adjusting (Not Shown)	
24	70000851	1	Bracket, Mounting (Not Shown)	
25	7020479	1	Starter	
25	70004058	1	Relay	
25	70001498	1	Shield, Starter Heat	
26	70004059	1	Plug- In Connector for Analyzer (Not Shown)	
26	7027796	1	Harness, Module to Engine Harness (Not Shown)	
26	70004060	1	Plug- In Connector on p/n 7027796 Harness (Not Shown)	
26	70001872	1	Harness, Engine (Not Shown)	
26	70004103	1	Harness, Alternator (Not Shown)	
26	70004271	1	Harness, Starter (Not Shown)	
27	70004272	1	Sensor, Speed	
27	70003932	1	Spacer	
28	7027791	1	Transmitter, Temperature	
29	7027790	1	Sensor, Oil Pressure	
30	7027792	1	Actuator, Throttle	
30	7027276	1	Spring, Actuator	
31	70000345	4	Plug, Glow (Not Shown)	
32	70004273	1	Set, Engine Gasket (Not Shown)	

FIGURE 3-8. DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION

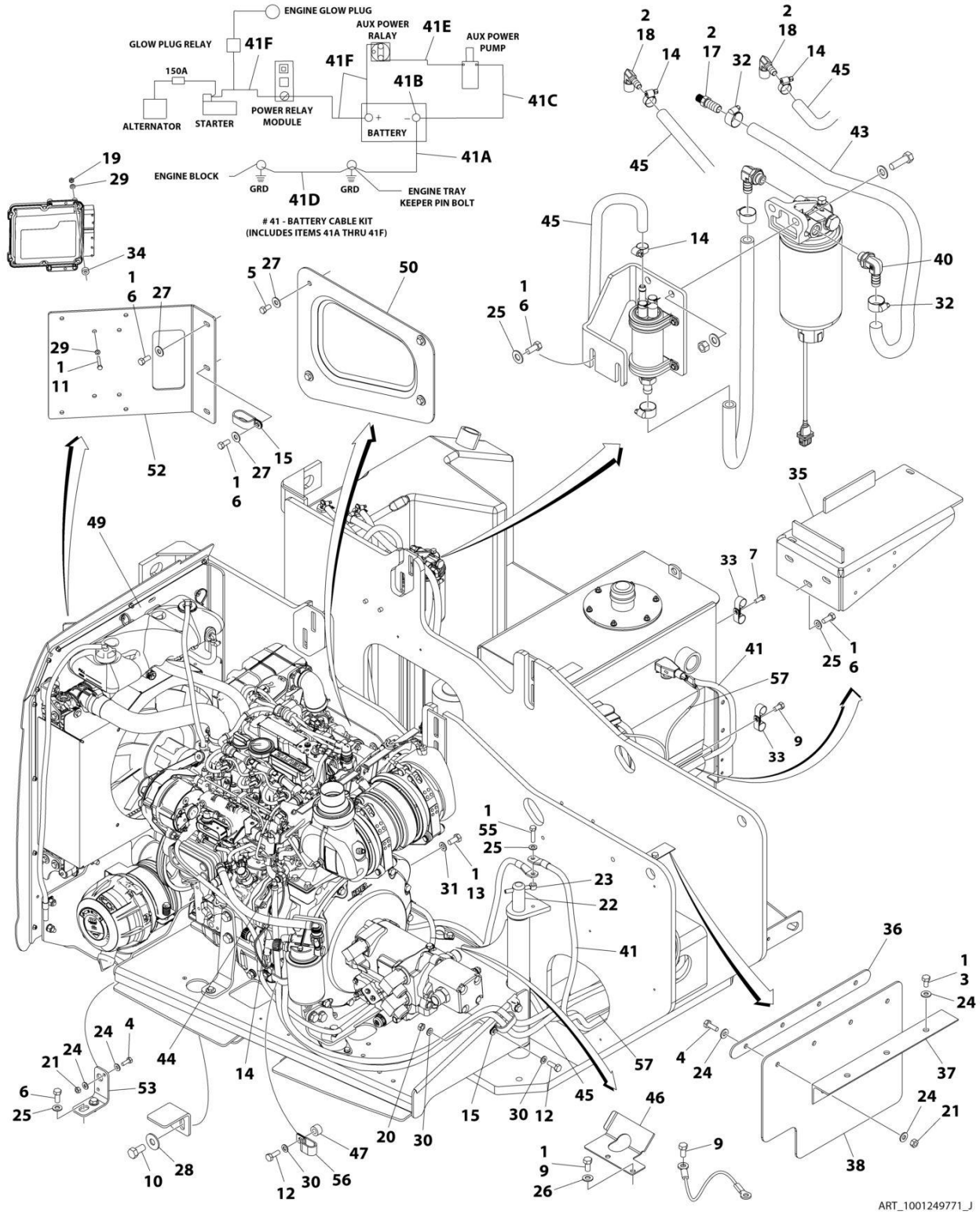


FIGURE 3-8. DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249771	Ref	DEUTZ TD2.2L3 (STAGE V) ENGINES INSTALLATION	J
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641404	3	Bolt 1/4 x 1/2	
4	0641406	5	Bolt 1/4 x 3/4	
5	0641606	4	Bolt 3/8 x 3/4	
6	0641607	12	Bolt 3/8 x 7/8	
7	0641608	1	Bolt 3/8 x 1	
9	0641808	4	Bolt 1/2 x 1	
10	0642010	1	Bolt 5/8 x 1-1/4	
11	0700616	4	Bolt M6 x 40	
12	0761014	2	Bolt M10 x 30	
13	0771212	1	Bolt M12 x 25 Grade 10.9	
14	1320022	5	Clamp	
15	1321716	2	P-Clamp	
16	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
17	2180832	1	Fitting, Straight Barbed	
18	2220313	2	Fitting, 90 Barbed	
19	3290601	4	Nut M6	
20	3291001	1	Nut M10	
21	3311405	5	Nut 1/4	
22	3422448	1	Pin, Pivot	
23	3841143	1	Pin, Keeper	
24	4711400	13	Washer 1/4	
25	4711600	10	Washer 3/8	
26	4711800	2	Washer 1/2	
27	4751600	7	Washer 3/8	
28	4752000	1	Washer 5/8	
29	4811700	8	Washer M6	
30	4812000	3	Washer M10	
31	4812100	1	Washer M12	
32	8405006	2	Clamp	
33	8406201	6	Clip	
34	1001110425	4	Spacer	
35	1001137868	1	Bracket, Battery	
36	1001137880	1	Bracket, Baffle	
37	1001137881	1	Angle	
38	1001137882	1	Support, Rubber	
39	1001138491	1	Harness, Fuel Pump (Pump requiring Push-on Terminals) (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
40	1001142501	1	Fitting, 90 Barbed	
41	1001145047	1	Battery Cable Kit	
41A	7027072	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
41B	8270147	1	Terminal, Battery (With Boot)	
41B	See Note	1	Boot, Black (Note: Not Available for Purchase)	
41C	7027073	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grd)	
41C	See Note	1	Boot, Black (Note: Not Available for Purchase)	
41D	7027074	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
41E	7027075	1	Cable (Red) (Aux Relay to Aux Pump)	
41E	70003952	2	Boot, Red	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41F	7027076	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
41F	See Note	1	Boot, Red (Battery) (Note: Not Available for Purchase)	
42	1001146588	1	Tie-Strap (Not Shown)	
43	1001154405	3 ft/ 0.9m	Hose	
44	1001155823	1	Fitting, 90 Quick Disconnect	
45	1001165035	23.5 ft/ 7.2m	Hose	
46	1001172793	1	Guide, Hose	
47	1001220266	1	Spacer	
49	1001277602	1	Engine Assembly with Pumps (See Separate Breakdown in this Section)	
50	1001260654	1	Cover	
52	1001137866	1	Plate, Baffle	
53	1001256879	1	Bracket	
54	4240099	AR	Tie-Strap (Not Shown)	
55	0641612	1	Bolt 3/8 x 1-1/2	
56	1001026127	1	Clamp	
57	1001289593	1	ECU Power Jumper Harness (Not Shown - Separate Breakdown in ELECTRICAL Section)	

FIGURE 3-9. DEUTZ TD2.2L3 (STAGE V) ENGINE/PUMP SUB-ASSEMBLY

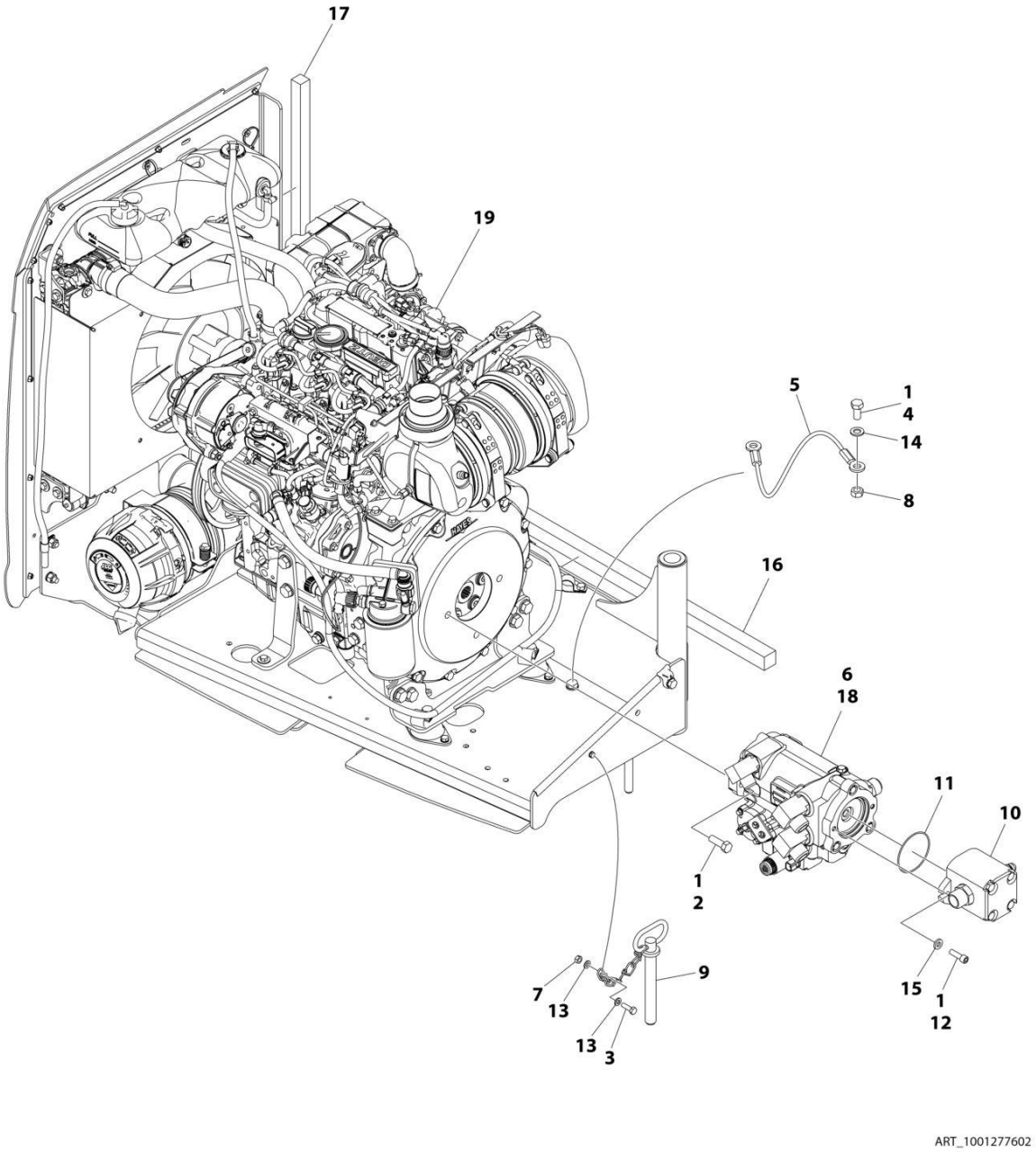
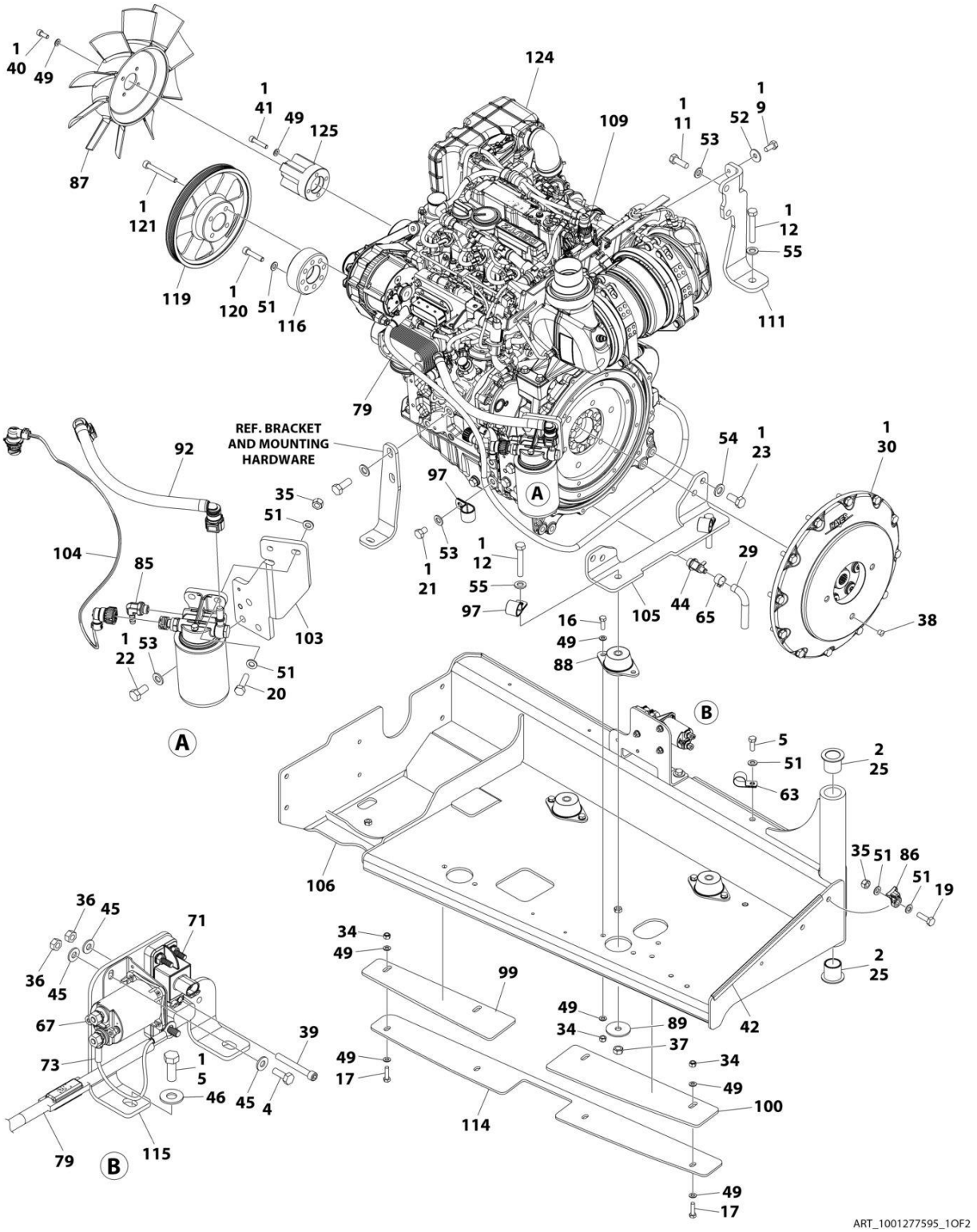


FIGURE 3-9. DEUTZ TD2.2L3 (STAGE V) ENGINE/PUMP SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277602	Ref	DEUTZ TD2.9L4 ENGINE/PUMP SUB-ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	0700610	1	Bolt M6 x 20	
4	0761212	1	Bolt M12 x 25	
5	1060637	1	Lanyard	
6	3020037	AR	Grease, Pump Coupling	
7	3290601	1	Nut M6	
8	3291201	1	Nut M12	
9	3422533	1	Pin, Hitch	
10	3600395	1	Gear Pump Assembly with Fittings (See Separate Breakdown in this Section)	
11	3790152	1	O-Ring	
12	3931620	2	Bolt 3/8 x 1-1/4	
13	4811700	2	Washer M6	
14	4812100	1	Washer M12	
15	4891600	2	Washer 3/8 Hardened	
16	1001137873	1	Seal	
17	1001137874	1	Seal	
18	1001188952	1	Pump Assembly with Fittings (See Separate Breakdown in this Section)	
19	1001277595	1	Engine Assembly (See Separate Breakdown in this Section)	

FIGURE 3-10. DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY



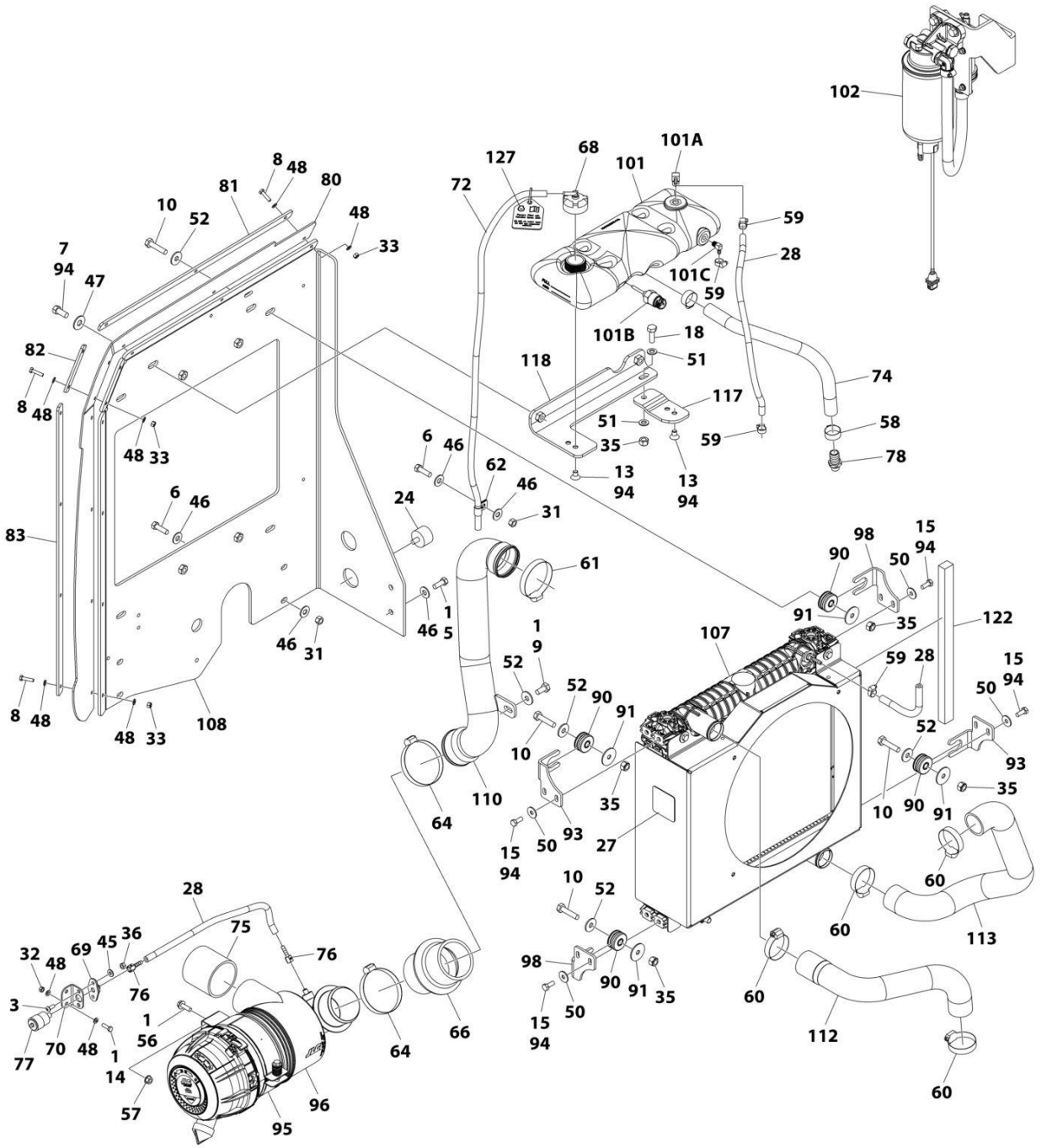

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FIGURE 3-10. DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277595	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY	F
1	0100011	AR	Compound, Locking	
2	0100062	AR	Adhesive	
3	0630407	2	Screw 1/4 x 5/8	
4	0641406	2	Bolt 1/4 x 3/4	
5	0641608	5	Bolt 3/8 x 1	
6	0641610	4	Screw 3/8 x 1-1/4	
7	0641708	2	Bolt 716 x 1	
8	0700612	9	Bolt M6 x 25	
9	0701012	1	Bolt M10 x 25	
10	0701017	4	Bolt M10 x 45	
11	0711215	2	Bolt M12 x 35	
12	0711223	3	Bolt M12 x 75	
13	0741605	2	Screw, Flathead 3/8 x 5/8	
14	0760610	2	Bolt M6 x 20	
15	0760810	8	Bolt M8 x 20	
16	0760812	6	Bolt M8 x 25	
17	0760814	4	Bolt M8 x 30	
18	0761014	1	Bolt M10 x 30	
19	0761015	1	Bolt M10 x 35	
20	0761016	2	Bolt M10 x 40	
21	0761212	1	Bolt M12 x 25	
22	0761214	3	Bolt M12 x 30	
23	0771414	4	Bolt M14 x 30	
24	0940070	1	Bumper	
25	0961986	2	Bushing, Flanged	
26	1062255	1	Tie-Strap (Not Shown)	
27	1703162	1	Decal - Fan Blade	
28	2720015	4 ft/2 m	Hose	
29	2720340	6 in/15 cm	Hose	
30	2902065	1	Kit, Pump Coupling (See Separate Breakdown in this Section)	
31	3271605	4	Nut Grade 8	
32	3290601	2	Nut M6	
33	3290605	9	Nut M6	
34	3290805	10	Nut M8	
35	3291005	8	Nut M10	
36	3311405	5	Nut 1/4	
37	3331211	3	Nut M12	
38	3520054	1	Plug	
39	3931432	1	Capscrew 1/4 x 2	
40	4031908	4	Capscrew M8 x 20	
41	4031912	4	Capscrew M8 x 40	
42	4060805	14 in/36 cm	Flex-Trim	
43	4240099	AR	Tie-Strap (Not Shown)	
44	4640751	1	Valve, Oil Drain	
45	4711400	7	Washer 1/4	
46	4751600	12	Washer 3/8	
47	4751700	2	Washer 7/16	
48	4811700	22	Washer M6	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	4811900	28	Washer M8	
50	4811902	8	Washer M8	
51	4812000	13	Washer M10	
52	4812002	5	Washer M10	
53	4812100	6	Washer M12	
54	4812200	4	Washer M14	
55	5241200	3	Washer M12	
56	5250812	2	Bolt M8 x 25	
57	5260800	2	Nut M8	
58	8405007	2	Clamp	
59	8405009	4	Clamp	
60	8405104	4	Clamp	
61	8405204	1	Clamp	
62	8406110	1	Clip	
63	8406201	1	Clip	
64	8410011	2	Clamp	
65	8410013	1	Clamp	
66	91403244	1	Hose	
67	1001117308	1	Relay	
68	1001136834	1	Cap, Tank	
69	1001138173	1	Support	
70	1001138175	1	Bracket	
71	1001138228	1	Relay, Power Module	
71	70023592	1	Fuse 20Amp (Switched Output)	
71	70023593	1	Fuse 30Amp (Battery Output)	
72	1001138248	38 in/1 m	Tube	
73	1001141304	1	Wire	
74	1001141370	1	Hose	
75	1001141585	1	Hose, Air Inlet	
76	1001141995	2	Fitting, Straight Barbed	
77	1001143390	1	Indicator, Service	
78	1001143797	1	Fitting, Straight Barbed	
79	1001143907	1	Cable, Alternator Power	
80	1001144409	1	Panel, Rubber	
81	1001144410	1	Bracket, Panel Clamp	
82	1001144411	1	Bracket, Panel Clamp	
83	1001144412	1	Bracket, Panel Clamp	
84	1001146588	6	Tie-Strap (Not Shown)	
85	1001152489	1	Fitting, 90 Barbed	
86	1001156107	1	Holder, Cable	
87	1001165849	1	Fan	
88	1001166718	3	Mount, Motor	
89	1001168018	3	Washer	
90	1001169054	4	Isolator	
91	1001169138	4	Washer	
92	1001177359	1	Hose	
93	1001178223	2	Bracket	
94	1001180620	AR	Adhesive	
95	1001186426	1	Clamp	
96	1001189979	1	Air Cleaner Assembly Filter Element	
96	70005008	1	Element, Filter (Not Shown)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
97	1001191620	3	Clamp	
98	1001204325	2	Bracket	
99	1001219454	1	Seal	
100	1001219456	1	Seal	
101	1001230635	1	Tank	
101A	1001134488	1	Fitting, 90 Barbed	
101B	1001138827	1	Sensor, Coolant Level	
101C	1001140564	1	Fitting, 90 Barbed	
102	1001235949	1	Bracket, Fuel Pump/Filter Assembly (See Separate Breakdown in this Section)	
103	1001237947	1	Mount	
104	1001245913	1	Harness, Deutz Fuel Filter (See Separate Breakdown in ELECTRICAL Section)	
105	1001246813	1	Mount, Rear Engine	
106	1001247029	1	Support, Engine Tray	
107	1001247716	1	Radiator and Shroud Assembly	
107	1001247714	1	Shroud	
107	1001250607	1	Radiator	
108	1001248434	1	Mount	
109	1001249045	1	Pipe, Exhaust	
110	1001249232	1	Pipe	
111	1001249234	1	Mount, Engine	
112	1001249261	1	Hose, Radiator - Upper	
113	1001249705	1	Hose, Radiator - Lower	
114	1001251131	1	Plate	
115	1001258252	1	Plate, Relay Mounting	
116	1001258800	1	Adapter	
117	1001260412	1	Bracket, Surge Tank	
118	1001260413	1	Bracket, Tank	
119	1001281192	1	Pulley	
120	1001261045	4	Capscrew M10 x 45 Grade 10.9	
121	1001261085	4	Capscrew M10 x 85 Grade 10.9	
122	1001269861	1	Seal	
123	1001276645	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
124	1001277590	1	Deutz TD2.2L3 (Stage V) Engines (See Separate Breakdown in this Section)	
125	1001278329	1	Adapter	
126	4240032	1	Tie-Strap (Not Shown)	
127	1001291401	1	Tag, Coolant	

FIGURE 3-11. DEUTZ TD2.2L3 (STAGE V) ENGINE COMPONENTS

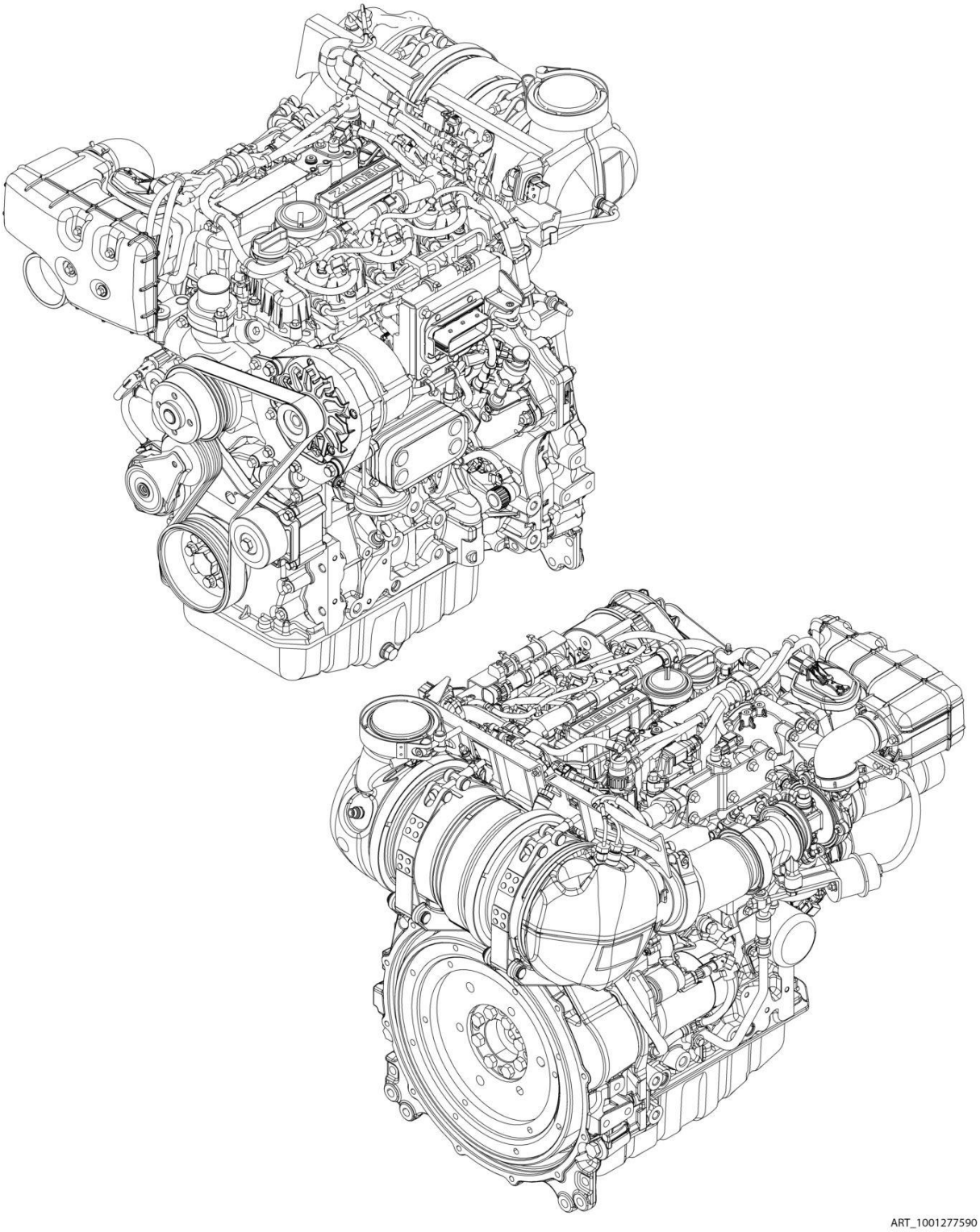


FIGURE 3-11. DEUTZ TD2.2L3 (STAGE V) ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277590	Ref	DEUTZ ENGINE COMPONENTS	A
	See Note	Ref	Note: No Service Parts Available at Time of Printing	

FIGURE 3-12. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.2L3 ENGINE)

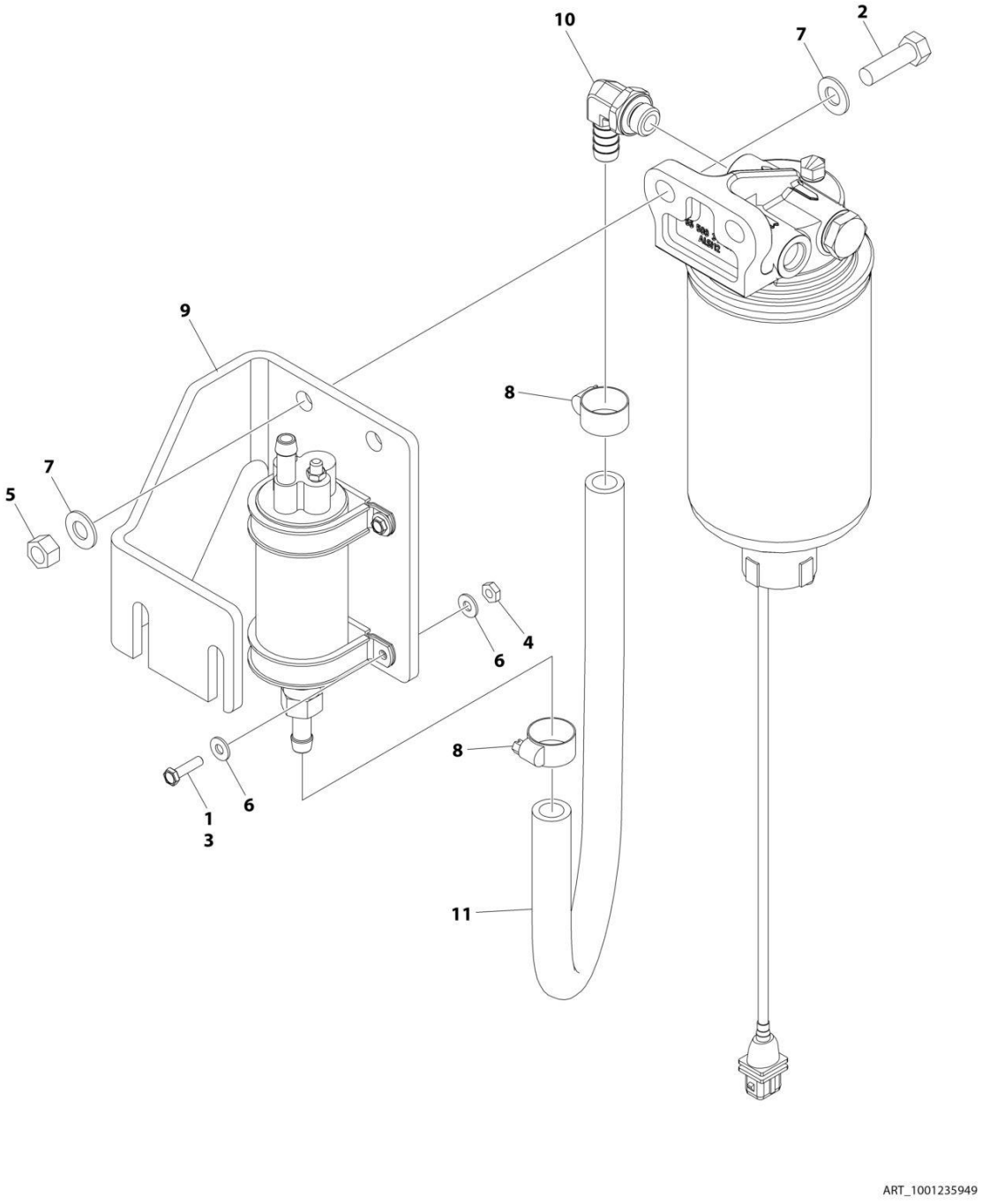


FIGURE 3-12. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.2L3 ENGINE)

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 3-13. DEUTZ TD2.9L4 - 49HP ENGINE INSTALLATION - WITHOUT ARCTIC PACKAGE (Prior to SN 0300295997, Except SN 0300285469 through 0300285471, Except SN 0300285757 through 0300285762, Except SN 0300286715 through 0300296723)

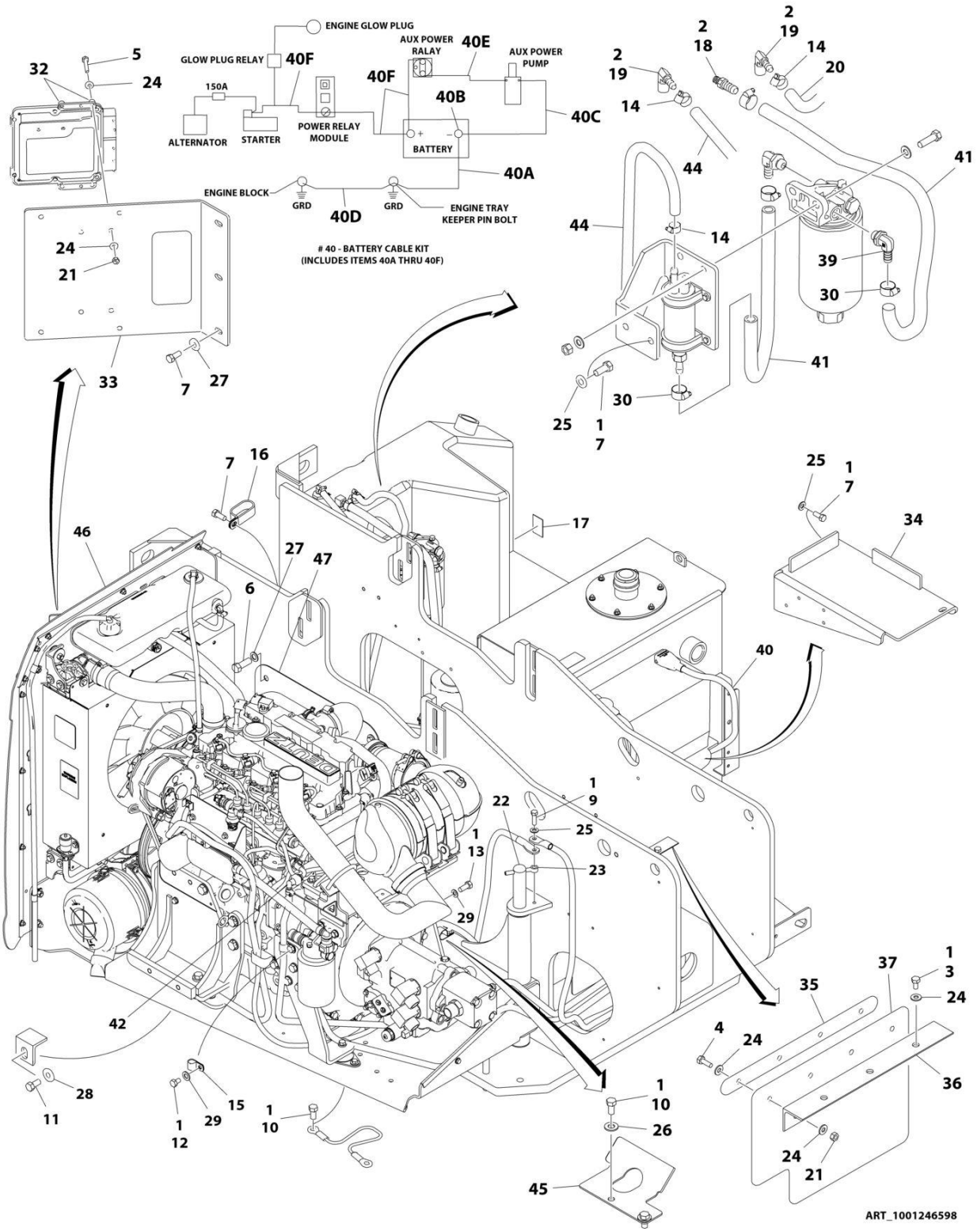


FIGURE 3-13. DEUTZ TD2.9L4 - 49HP ENGINE INSTALLATION - WITHOUT ARCTIC PACKAGE (Prior to SN 0300295997, Except SN 0300285469 through 0300285471, Except SN 0300285757 through 0300285762, Except SN 0300286715 through 0300296723)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246598	Ref	DEUTZ D2.9L4 ENGINE INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641404	3	Bolt 1/4 x 1/2	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641412	4	Bolt 1/4 x 1-1/2	
6	0641606	4	Bolt 3/8 x 3/4	
7	0641607	9	Bolt 3/8 x 7/8	
8	0641608	2	Bolt 3/8 x 1 (Not Shown)	
9	0641612	1	Bolt 3/8 x 1-1/2	
10	0641808	3	Bolt 3/8 x 1	
11	0642010	1	Bolt 5/8 x 1-1/4	
12	0761008	1	Bolt M10 x 16	
13	0771212	1	Bolt M12 x 25 Grade 10.9	
14	1320022	5	Clamp	
15	1320061	1	Clamp	
16	1321716	1	P-Clamp	
17	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
18	2180832	1	Fitting, Straight Barbed	
19	2220313	2	Fitting, 90 Barbed	
20	2750532	5 ft /1.6m	Hose	
21	3311405	8	Nut 1/4	
22	3422448	1	Pin, Pivot	
23	3841143	1	Pin, Keeper	
24	4711400	19	Washer 1/4	
25	4711600	6	Washer 3/8	
26	4711800	2	Washer 1/2	
27	4751600	7	Washer 3/8	
28	4752000	1	Washer 5/8	
29	4812100	2	Washer M12	
30	8405006	2	Clamp	
31	8406201	4	Clip (Not Shown)	
32	1001110425	4	Spacer	
33	1001137866	1	Plate, Baffle	
34	1001137868	1	Bracket, Battery	
35	1001137880	1	Bracket, Baffle	
36	1001137881	1	Angle	
37	1001137882	1	Support, Rubber	
38	1001138491	1	Harness, Fuel Pump (Pump requiring Push-on Terminals) (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
39	1001142501	1	Fitting, 90 Barbed	
40	1001145047	1	Battery Cable Kit	
40A	7027072	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
40B	8270147	1	Terminal, Battery (With Boot)	
40B	See Note	1	Boot, Black (Note: Not Available for Purchase)	
40C	7027073	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
40C	See Note	1	Boot, Black (Note: Not Available for Purchase)	
40D	7027074	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40E	7027075	1	Cable (Red) (Aux Relay to Aux Pump)	
40E	70003952	2	Boot, Red	
40F	7027076	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
40F	See Note	1	Boot, Red (Battery) (Note: Not Available for Purchase)	
41	1001154405	3 ft /.9m	Hose	
42	1001155823	1	Fitting, 90 Quick Disconnect	
44	1001165035	23.5 ft /7.2m	Hose	
45	1001172793	1	Guide, Hose	
46	1001246594	1	Engine Assembly with Pumps (See Separate Breakdown in this Section)	
47	1001252521	1	Cover	

FIGURE 3-14. DEUTZ TD2.9L4 - 49HP ENGINE INSTALLATION - WITHOUT ARCTIC PACKAGE (SN 0300295997 to Present, SN 0300285469 through 0300285471, SN 0300285757 through 0300285762, SN 0300286715 through 0300296723)

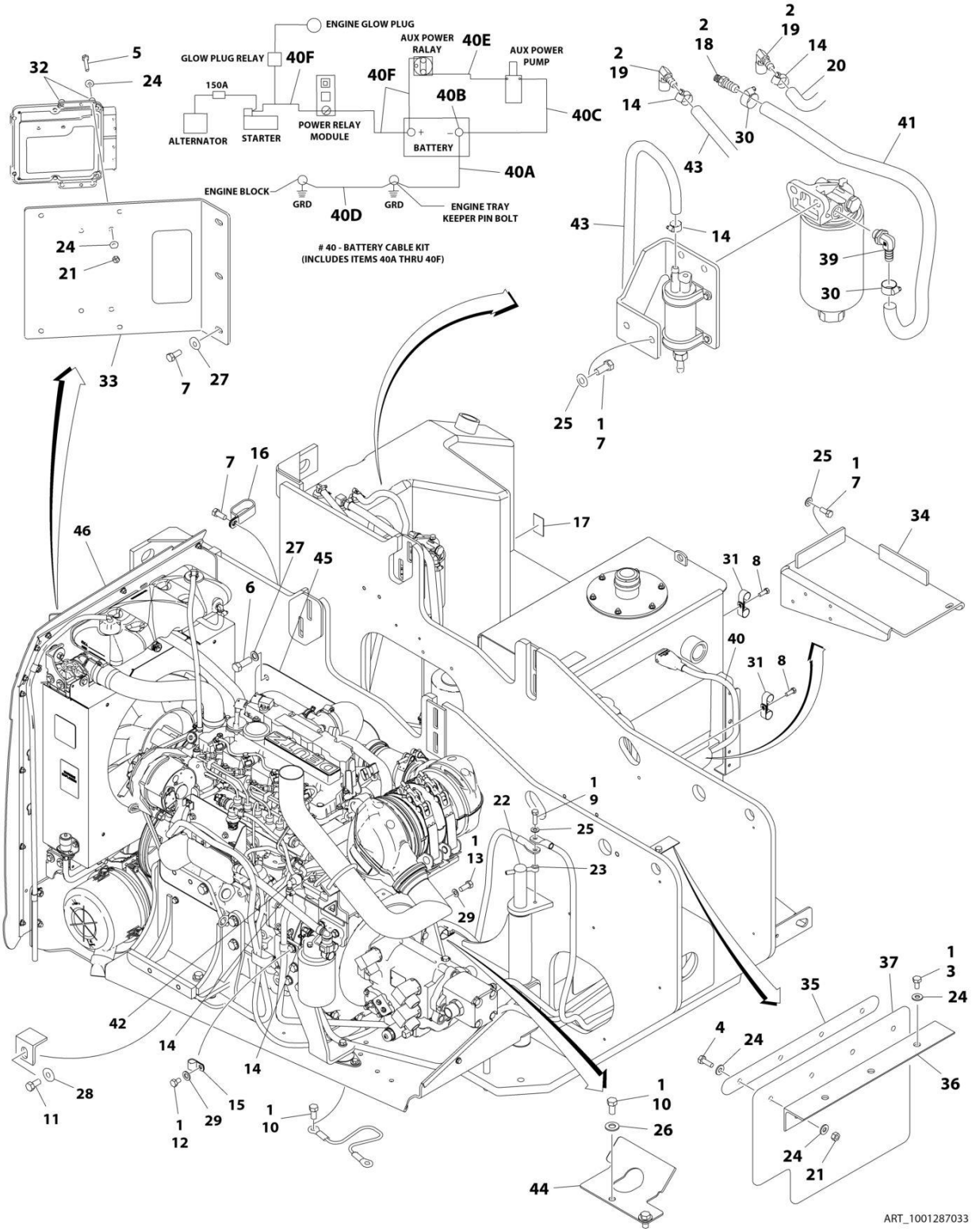


FIGURE 3-14. DEUTZ TD2.9L4 - 49HP ENGINE INSTALLATION - WITHOUT ARCTIC PACKAGE (SN 0300295997 to Present, SN 0300285469 through 0300285471, SN 0300285757 through 0300285762, SN 0300286715 through 0300296723)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287033	Ref	DEUTZ D2.9L4 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641404	3	Bolt 1/4 x 1/2	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641412	4	Bolt 1/4 x 1-1/2	
6	0641606	4	Bolt 3/8 x 3/4	
7	0641607	9	Bolt 3/8 x 7/8	
8	0641608	2	Bolt 3/8 x 1	
9	0641612	1	Bolt 3/8 x 1-1/2	
10	0641808	3	Bolt 3/8 x 1	
11	0642010	1	Bolt 5/8 x 1-1/4	
12	0761008	1	Bolt M10 x 16	
13	0771212	1	Bolt M12 x 25 Class 10.9	
14	1320022	5	Clamp	
15	1320061	1	Clamp	
16	1321716	1	P-Clamp	
17	1701505	1	Decal - Diesel (Located on Hood)	
18	2180832	1	Fitting, Straight Barbed	
19	2220313	2	Fitting, 90 Barbed	
20	2750532	5 ft /1.6m	Hose	
21	3311405	8	Nut 1/4	
22	3422448	1	Pin, Pivot	
23	3841143	1	Pin, Keeper	
24	4711400	19	Washer 1/4	
25	4711600	6	Washer 3/8	
26	4711800	2	Washer 1/2	
27	4751600	7	Washer 3/8	
28	4752000	1	Washer 5/8	
29	4812100	2	Washer M12	
30	8405006	2	Clamp	
31	8406201	4	Clip	
32	1001110425	4	Spacer	
33	1001137866	1	Plate, Baffle	
34	1001137868	1	Bracket, Battery	
35	1001137880	1	Bracket, Baffle	
36	1001137881	1	Angle	
37	1001137882	1	Support, Rubber	
38	1001138491	1	Harness, Fuel Pump (Pump requiring Push-on Terminals) (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
39	1001142501	1	Fitting, 90 Barbed	
40	1001145047	1	Battery Cable Kit	
40A	7027072	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
40B	8270147	1	Terminal, Battery (With Boot)	
40B	See Note	1	Boot, Black (Note: Not Available for Purchase)	
40C	7027073	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
40C	See Note	1	Boot, Black (Note: Not Available for Purchase)	
40D	7027074	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40E	7027075	1	Cable (Red) (Aux Relay to Aux Pump)	
40E	70003952	2	Boot, Red	
40F	7027076	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
40F	See Note	1	Boot, Red (Battery) (Note: Not Available for Purchase)	
41	1001154405	3 ft /.9m	Hose	
42	1001155823	1	Fitting, 90 Quick Disconnect	
43	1001165035	23.5 ft /7.2m	Hose	
44	1001172793	1	Guide, Hose	
45	1001252521	1	Cover	
46	1001287034	1	Engine Assembly with Pumps (See Separate Breakdown in this Section)	

FIGURE 3-15. DEUTZ TD2.9L4 - 49HP ENGINE INSTALLATION - WITH ARCTIC PACKAGE (Prior to SN 0300295997, Except SN 0300285469 through 0300285471, Except SN 0300285757 through 0300285762, Except SN 0300286715 through 0300296723)

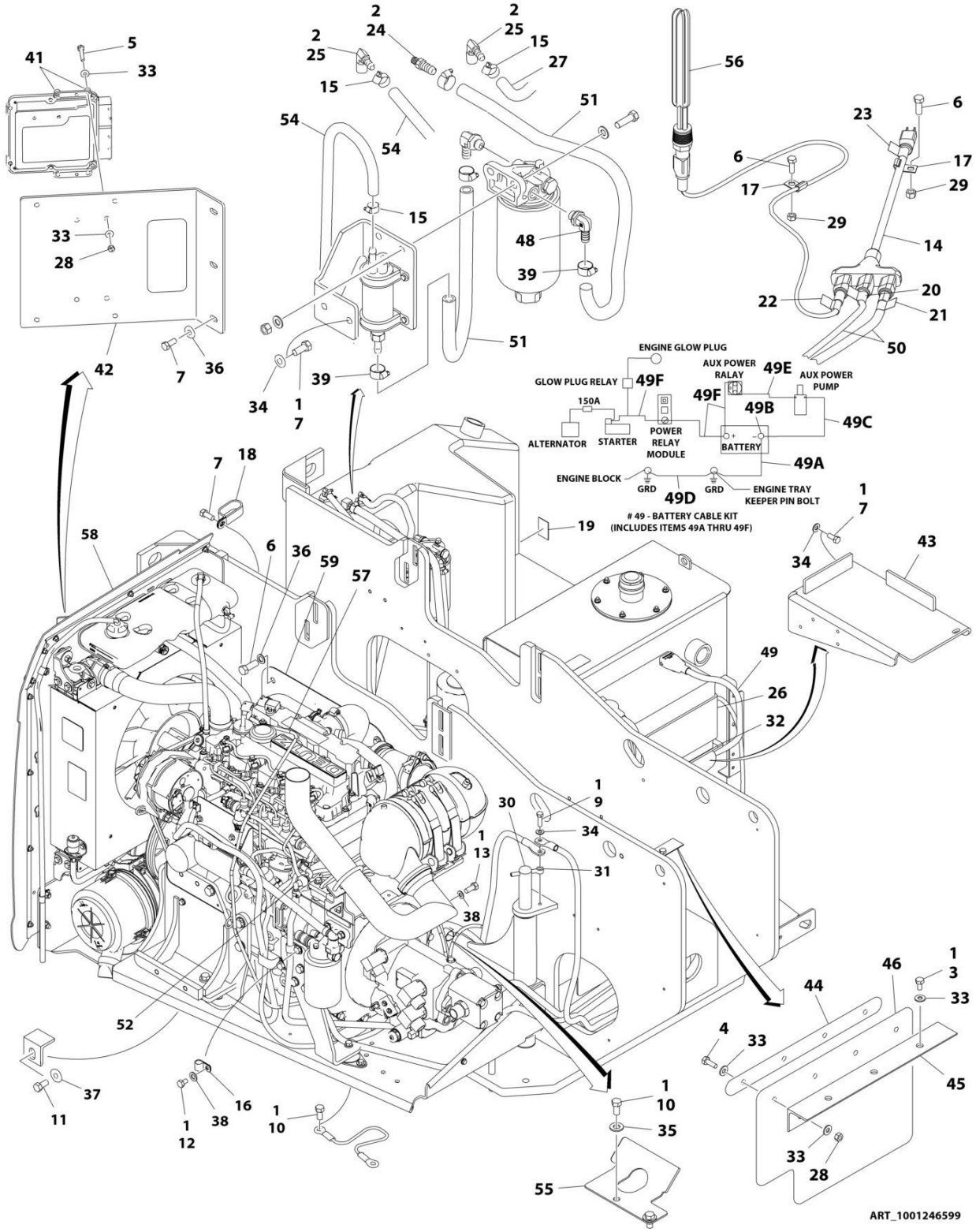


FIGURE 3-15. DEUTZ TD2.9L4 - 49HP ENGINE INSTALLATION - WITH ARCTIC PACKAGE (Prior to SN 0300295997, Except SN 0300285469 through 0300285471, Except SN 0300285757 through 0300285762, Except SN 0300286715 through 0300296723)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246599	Ref	DEUTZ D2.9L4 ENGINE INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641404	3	Bolt 1/4 x 1/2	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641412	4	Bolt 1/4 x 1-1/2	
6	0641606	6	Bolt 3/8 x 3/4	
7	0641607	9	Bolt 3/8 x 7/8	
8	0641608	2	Bolt 3/8 x 1 (Not Shown)	
9	0641612	1	Bolt 3/8 x 1-1/2	
10	0641808	3	Bolt 1/2 x 1	
11	0642010	1	Bolt 5/8 x 1-1/4	
12	0761008	1	Bolt M10 x 16	
13	0771212	1	Bolt M12 x 25 Grade 10.9	
14	1060626	1	Cord, 3 Way Extension	
15	1320022	5	Clamp	
16	1320061	1	Clamp	
17	1320223	2	Clamp	
18	1321716	1	P-Clamp	
19	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
20	1702941	1	Decal - Battery Heater	
21	1702942	1	Decal - Engine Block Heater	
22	1702943	1	Decal - Hydraulic Tank Heater	
23	1702944	1	Decal - Heater Cord	
24	2180832	1	Fitting, Straight Barbed	
25	2220313	2	Fitting, 90 Barbed	
26	2580024	1	Heater, Battery	
27	2750532	5 ft /1.6m	Hose	
28	3311405	8	Nut 1/4	
29	3311605	2	Nut 3/8	
30	3422448	1	Pin, Pivot	
31	3841143	1	Pin, Keeper	
32	3980007	1	Seat, Battery	
33	4711400	19	Washer 1/4	
34	4711600	8	Washer 3/8	
35	4711800	2	Washer 1/2	
36	4751600	7	Washer 3/8	
37	4752000	1	Washer 5/8	
38	4812100	2	Washer M12	
39	8405006	2	Clamp	
40	8406201	4	Clip (Not Shown)	
41	1001110425	4	Spacer	
42	1001137866	1	Plate, Baffle	
43	1001137868	1	Bracket, Battery	
44	1001137880	1	Bracket, Baffle	
45	1001137881	1	Angle	
46	1001137882	1	Support, Rubber	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001138491	1	Harness, Fuel Pump (Pump requiring Push-on Terminals) (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
48	1001142501	1	Fitting, 90 Barbed	
49	1001145047	1	Battery Cable Kit	
49A	7027072	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
49B	8270147	1	Terminal, Battery (With Boot)	
49B	See Note	1	Boot, Black (Note: Not Available for Purchase)	
49C	7027073	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
49C	See Note	1	Boot, Black (Note: Not Available for Purchase)	
49D	7027074	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
49E	7027075	1	Cable (Red) (Aux Relay to Aux Pump)	
49E	70003952	2	Boot, Red	
49F	7027076	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
49F	See Note	1	Boot, Red (Battery) (Note: Not Available for Purchase)	
50	1001150918	1	Cable, Immersion Heater	
51	1001154405	3 ft /.9m	Hose	
52	1001155823	1	Fitting, 90 Quick Disconnect	
54	1001165035	23.5 ft /7.2m	Hose	
55	1001172793	1	Guide, Hose	
56	1001188972	1	Heater, Hydraulic Tank	
57	1001233763	1	Breather Heater Installation (Not Shown - See Separate Breakdown in this Section)	
58	1001246592	1	Engine Assembly with Pumps (See Separate Breakdown in this Section)	
59	1001252521	1	Cover	

FIGURE 3-16. DEUTZ TD2.9L4 - 49HP ENGINE INSTALLATION - WITH ARCTIC PACKAGE (SN 0300295997 to Present, SN 0300285469 through 0300285471, SN 0300285757 through 0300285762, SN 0300286715 through 0300296723)

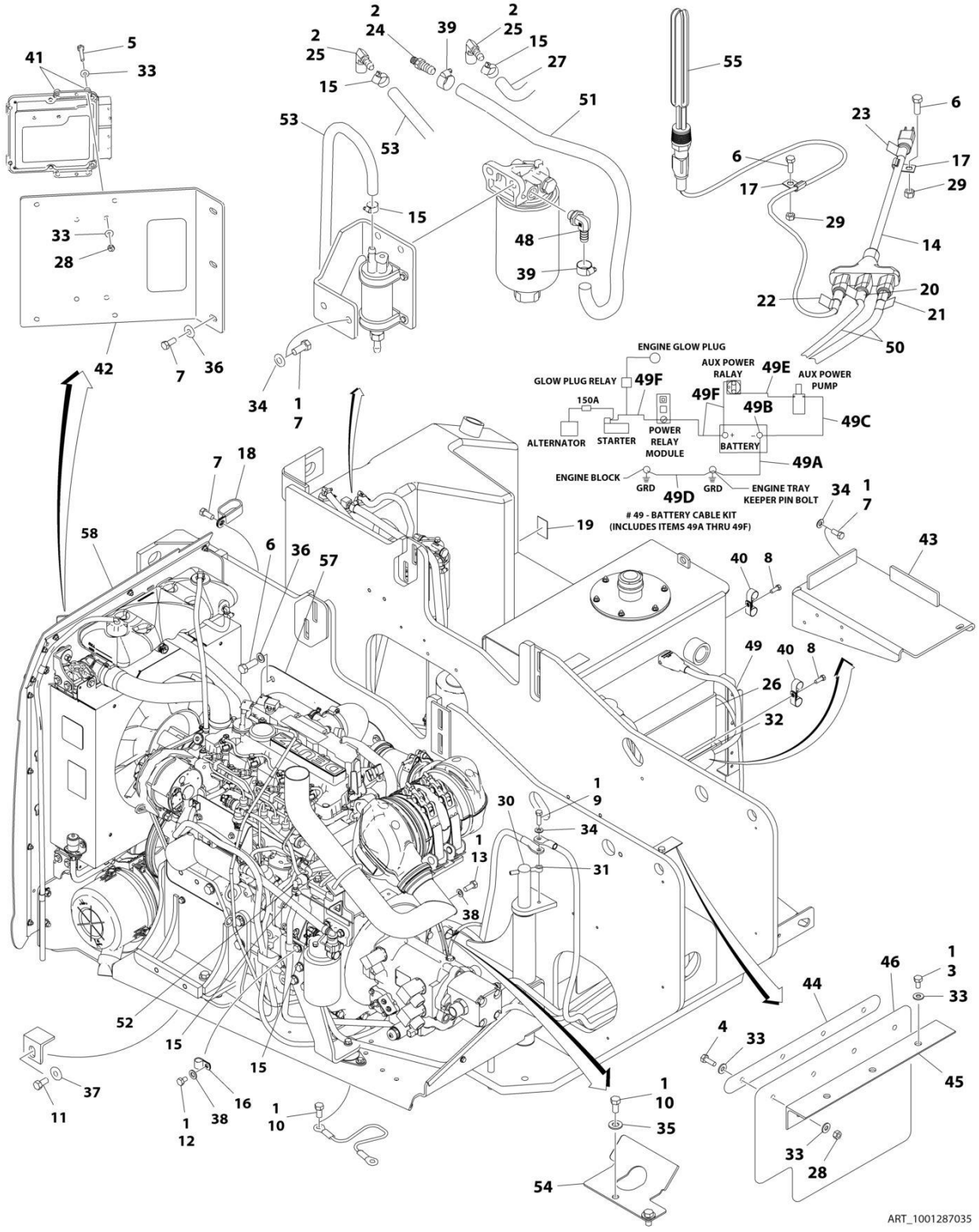


FIGURE 3-16. DEUTZ TD2.9L4 - 49HP ENGINE INSTALLATION - WITH ARCTIC PACKAGE (SN 0300295997 to Present, SN 0300285469 through 0300285471, SN 0300285757 through 0300285762, SN 0300286715 through 0300296723)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287035	Ref	DEUTZ D2.9L4 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641404	3	Bolt 1/4 x 1/2	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641412	4	Bolt 1/4 x 1-1/2	
6	0641606	6	Bolt 3/8 x 3/4	
7	0641607	9	Bolt 3/8 x 7/8	
8	0641608	2	Bolt 3/8 x 1	
9	0641612	1	Bolt 3/8 x 1-1/2	
10	0641808	3	Bolt 1/2 x 1	
11	0642010	1	Bolt 5/8 x 1-1/4	
12	0761008	1	Bolt M10 x 16	
13	0771212	1	Bolt M12 x 25 Class 10.9	
14	1060626	1	Cord, 3 Way Extension	
15	1320022	5	Clamp	
16	1320061	1	Clamp	
17	1320223	2	Clamp	
18	1321716	1	P-Clamp	
19	1701505	1	Decal - Diesel (Located on Hood)	
20	1702941	1	Decal - Battery Heater	
21	1702942	1	Decal - Engine Block Heater	
22	1702943	1	Decal - Hydraulic Tank Heater	
23	1702944	1	Decal - Heater Cord	
24	2180832	1	Fitting, Straight Barbed	
25	2220313	2	Fitting, 90 Barbed	
26	2580024	1	Heater, Battery	
27	2750532	5 ft /1.6m	Hose	
28	3311405	8	Nut, Lock 1/4	
29	3311605	2	Nut, Lock 3/8	
30	3422448	1	Pin, Pivot	
31	3841143	1	Pin, Keeper	
32	3980007	1	Seat, Battery	
33	4711400	19	Washer 1/4	
34	4711600	6	Washer 3/8	
35	4711800	2	Washer 1/2	
36	4751600	7	Washer 3/8	
37	4752000	1	Washer 5/8	
38	4812100	2	Washer M12	
39	8405006	2	Clamp	
40	8406201	4	Clip	
41	1001110425	4	Spacer	
42	1001137866	1	Plate, Baffle	
43	1001137868	1	Bracket, Battery	
44	1001137880	1	Bracket, Baffle	
45	1001137881	1	Angle	
46	1001137882	1	Support, Rubber	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001138491	1	Harness, Fuel Pump (Pump requiring Push-on Terminals) (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001142501	1	Fitting, 90 Barbed	
49	1001145047	1	Battery Cable Kit	
49A	7027072	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
49B	8270147	1	Terminal, Battery (With Boot)	
49B	See Note	1	Boot, Black (Note: Not Available for Purchase)	
49C	7027073	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
49C	See Note	1	Boot, Black (Note: Not Available for Purchase)	
49D	7027074	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
49E	7027075	1	Cable (Red) (Aux Relay to Aux Pump)	
49E	70003952	2	Boot, Red	
49F	7027076	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
49F	See Note	1	Boot, Red (Battery) (Note: Not Available for Purchase)	
50	1001150918	1	Cable, Immersion Heater	
51	1001154405	3 ft /.9m	Hose	
52	1001155823	1	Fitting, 90 Quick Disconnect	
53	1001165035	23.5 ft /7.2m	Hose	
54	1001172793	1	Guide, Hose	
55	1001188972	1	Heater, Hydraulic Tank	
56	1001233763	1	Breather Heater Installation (Not Shown - See Separate Breakdown in this Section)	
57	1001252521	1	Cover	
58	1001287036	1	Engine Assembly with Pumps (See Separate Breakdown in this Section)	

FIGURE 3-17. DEUTZ TD2.9L4 - 49HP ENGINE/PUMP SUB-ASSEMBLY – WITHOUT ARCTIC PACKAGE (Prior to SN 0300295997, Except SN 0300285469 through 0300285471, Except SN 0300285757 through 0300285762, Except SN 0300286715 through 0300296723)

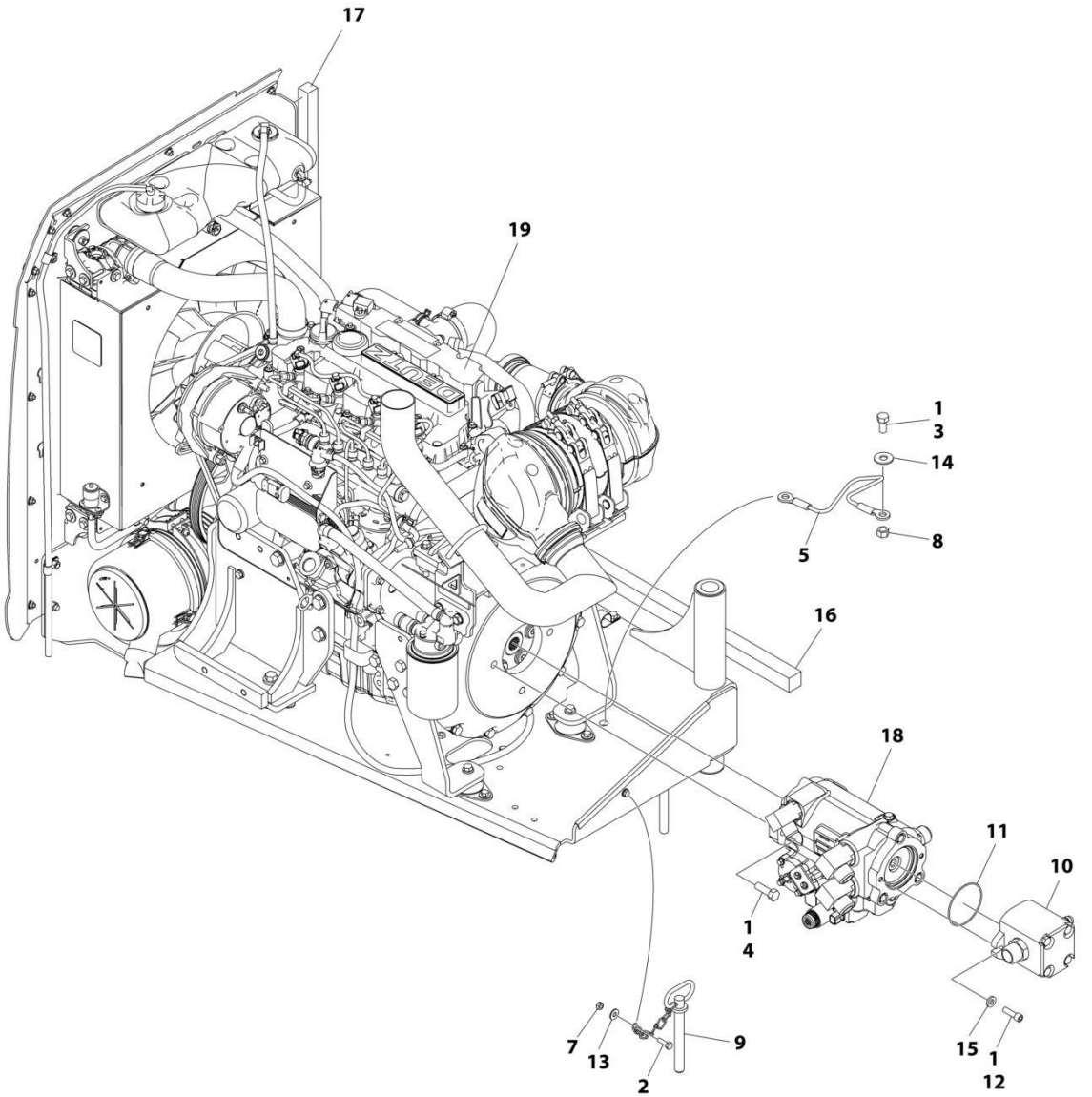


FIGURE 3-17. DEUTZ TD2.9L4 - 49HP ENGINE/PUMP SUB-ASSEMBLY – WITHOUT ARCTIC PACKAGE (Prior to SN 0300295997, Except SN 0300285469 through 0300285471, Except SN 0300285757 through 0300285762, Except SN 0300286715 through 0300296723)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246594	Ref	DEUTZ D2.9L4 ENGINE/PUMP SUB-ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	2	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
7	3311405	1	Nut 1/4	
8	3311801	1	Nut 1/2	
9	3422533	1	Pin, Hitch	
10	3600395	1	Gear Pump Assembly with Fittings (See Separate Breakdown in this Section)	
11	3790152	1	O-Ring	
12	3931620	2	Bolt 3/8 x 1-1/4	
13	4711400	2	Washer 1/4	
14	4751800	1	Washer 1/2	
15	4891600	2	Washer 3/8 Hardened	
16	1001137873	1	Seal	
17	1001137874	1	Seal	
18	1001188952	1	Pump Assembly with Fittings (See Separate Breakdown in this Section)	
19	1001246593	1	Engine Assembly (See Separate Breakdown in this Section)	

FIGURE 3-18. DEUTZ TD2.9L4 - 49HP ENGINE/PUMP SUB-ASSEMBLY – WITHOUT ARCTIC PACKAGE (SN 0300295997 to Present, SN 0300285469 through 0300285471, SN 0300285757 through 0300285762, SN 0300286715 through 0300296723)

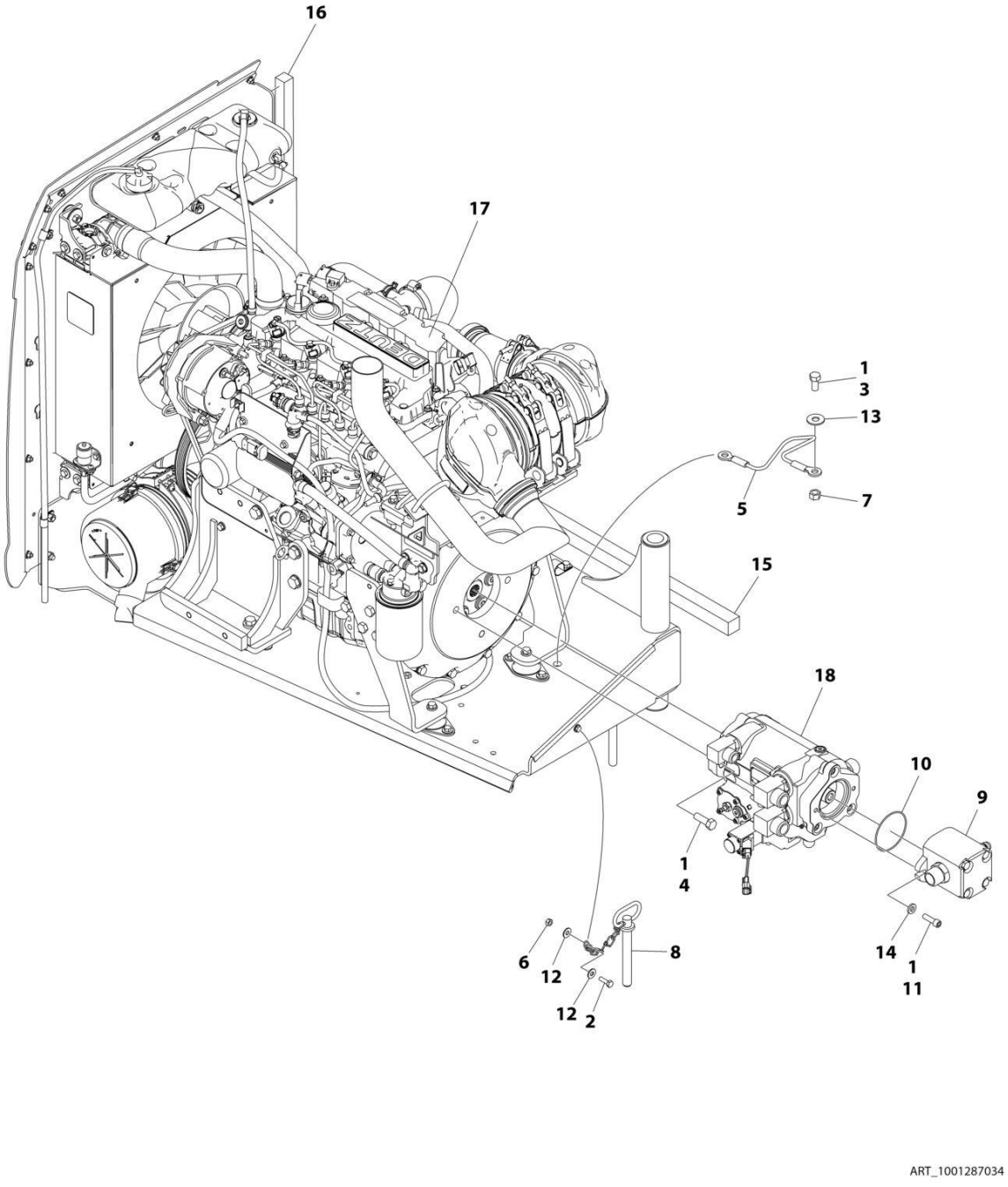


FIGURE 3-18. DEUTZ TD2.9L4 - 49HP ENGINE/PUMP SUB-ASSEMBLY – WITHOUT ARCTIC PACKAGE (SN 0300295997 to Present, SN 0300285469 through 0300285471, SN 0300285757 through 0300285762, SN 0300286715 through 0300296723)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287034	Ref	DEUTZ D2.9L4 ENGINE/PUMP SUB-ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	2	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
6	3311405	1	Nut, Lock 1/4	
7	3311801	1	Nut 1/2	
8	3422533	1	Pin, Hitch	
9	3600395	1	Gear Pump Assembly with Fittings (See Separate Breakdown in this Section)	
10	70007827	1	O-Ring (Part of Item 18)	
11	3931620	2	Bolt 3/8 x 1-1/4	
12	4711400	2	Washer 1/4	
13	4751800	1	Washer 1/2	
14	4891600	2	Washer 3/8 Hardened	
15	1001137873	1	Seal	
16	1001137874	1	Seal	
17	1001246593	1	Engine Assembly (See Separate Breakdown in this Section)	
18	1001287018	1	Pump Assembly with Fittings (See Separate Breakdown in this Section)	

FIGURE 3-19. DEUTZ TD2.9L4 - 49HP ENGINE/PUMP SUB-ASSEMBLY – WITH ARCTIC PACKAGE (Prior to SN 0300295997, Except SN 0300285469 through 0300285471, Except SN 0300285757 through 0300285762, Except SN 0300286715 through 0300296723)

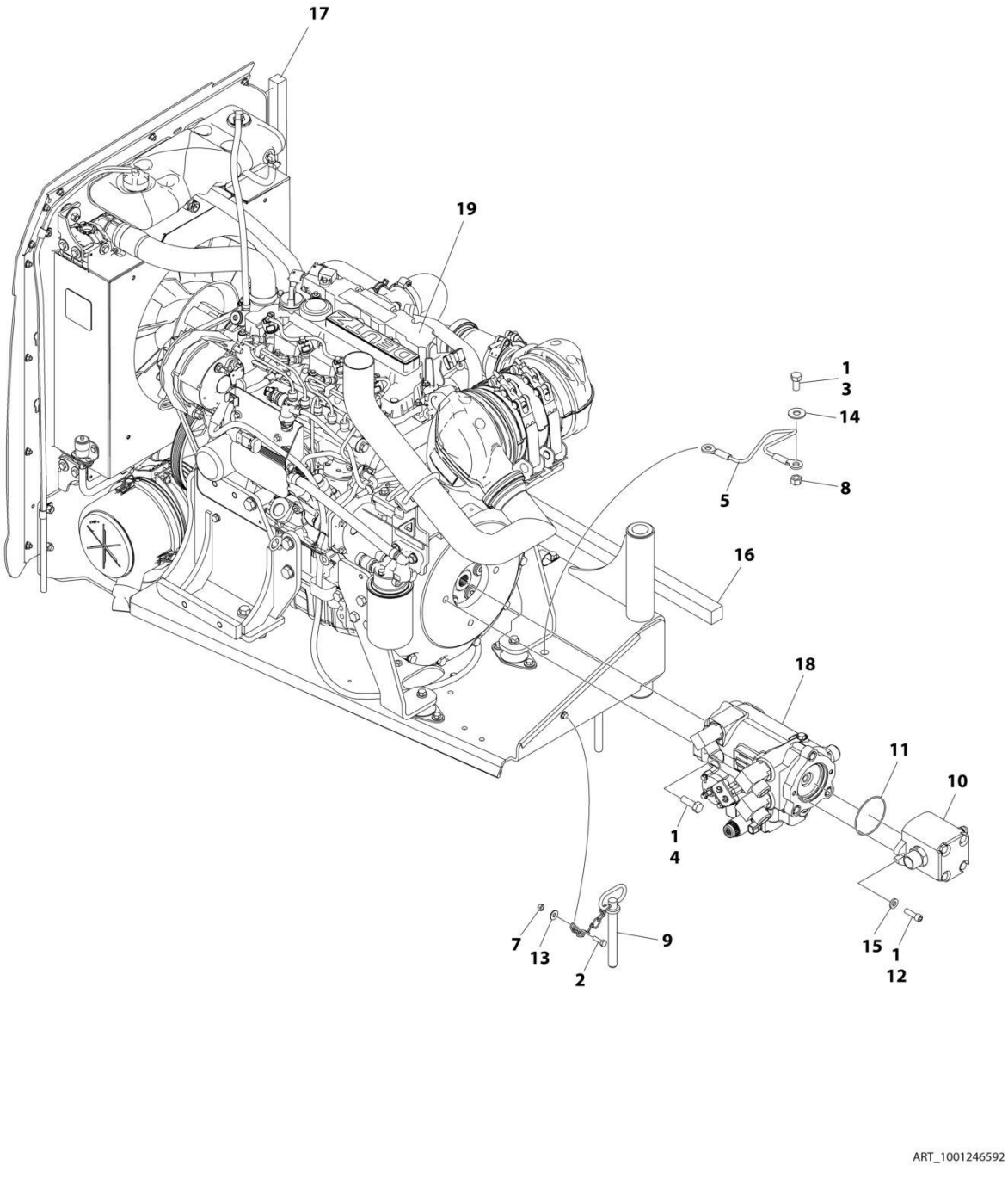


FIGURE 3-19. DEUTZ TD2.9L4 - 49HP ENGINE/PUMP SUB-ASSEMBLY – WITH ARCTIC PACKAGE (Prior to SN 0300295997, Except SN 0300285469 through 0300285471, Except SN 0300285757 through 0300285762, Except SN 0300286715 through 0300296723)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246592	Ref	DEUTZ D2.9L4 ENGINE/PUMP SUB-ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	2	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
7	3311405	1	Nut 1/4	
8	3311801	1	Nut 1/2	
9	3422533	1	Pin, Hitch	
10	3600395	1	Gear Pump Assembly with Fittings (See Separate Breakdown in this Section)	
11	3790152	1	O-Ring	
12	3931620	2	Bolt 3/8 x 1-1/4	
13	4711400	2	Washer 1/4	
14	4751800	1	Washer 1/2	
15	4891600	2	Washer 3/8 Hardened	
16	1001137873	1	Seal	
17	1001137874	1	Seal	
18	1001188952	1	Pump Assembly with Fittings (See Separate Breakdown in this Section)	
19	1001246590	1	Engine Assembly (See Separate Breakdown in this Section)	

FIGURE 3-20. DEUTZ TD2.9L4 - 49HP ENGINE/PUMP SUB-ASSEMBLY – WITH ARCTIC PACKAGE (SN 0300295997 to Present, SN 0300285469 through 0300285471, SN 0300285757 through 0300285762, SN 0300286715 through 0300296723)

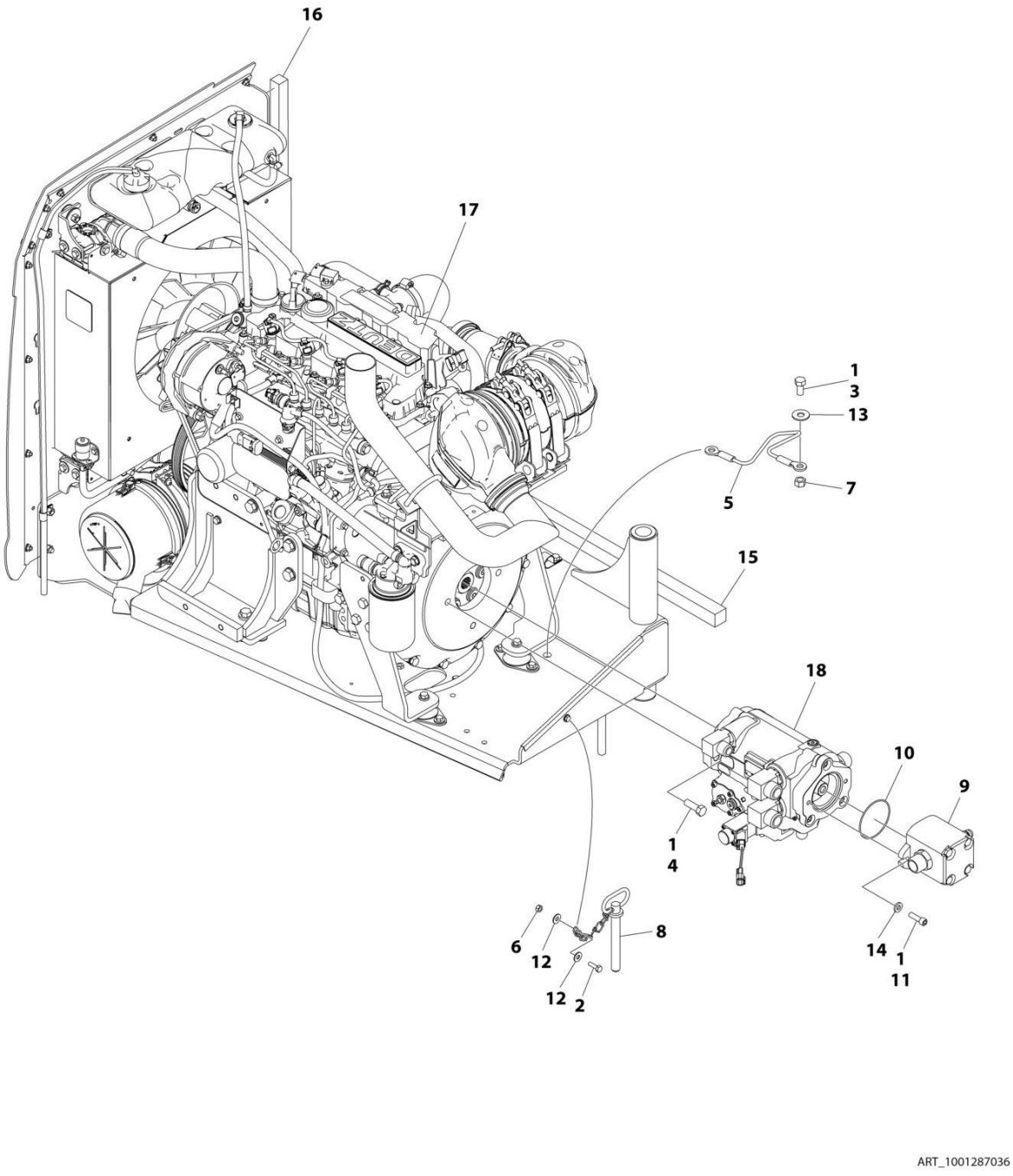
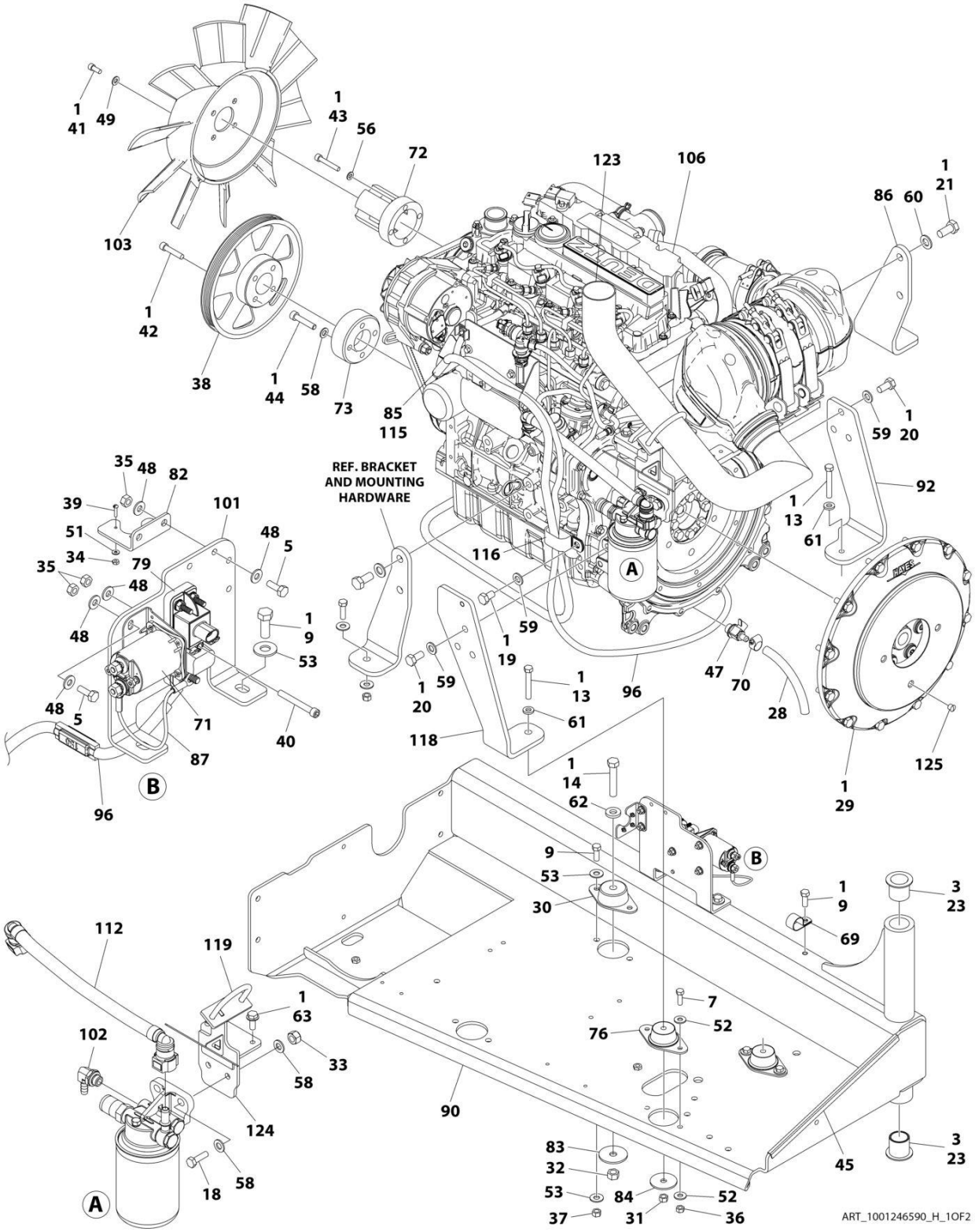


FIGURE 3-20. DEUTZ TD2.9L4 - 49HP ENGINE/PUMP SUB-ASSEMBLY – WITH ARCTIC PACKAGE (SN 0300295997 to Present, SN 0300285469 through 0300285471, SN 0300285757 through 0300285762, SN 0300286715 through 0300296723)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287036	Ref	DEUTZ D2.9L4 ENGINE/PUMP SUB-ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	2	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
6	3311405	1	Nut, Lock 1/4	
7	3311801	1	Nut 1/2	
8	3422533	1	Pin, Hitch	
9	3600395	1	Gear Pump Assembly with Fittings (See Separate Breakdown in this Section)	
10	70007827	1	O-Ring (Part of Item 18)	
11	3931620	2	Bolt 3/8 x 1-1/4	
12	4711400	2	Washer 1/4	
13	4751800	1	Washer 1/2	
14	4891600	2	Washer 3/8 Hardened	
15	1001137873	1	Seal	
16	1001137874	1	Seal	
17	1001246590	1	Engine Assembly (See Separate Breakdown in this Section)	
18	1001287018	1	Pump Assembly with Fittings (See Separate Breakdown in this Section)	

FIGURE 3-21. DEUTZ TD2.9L4 - 49HP ENGINE ASSEMBLY – WITH ARCTIC PACKAGE



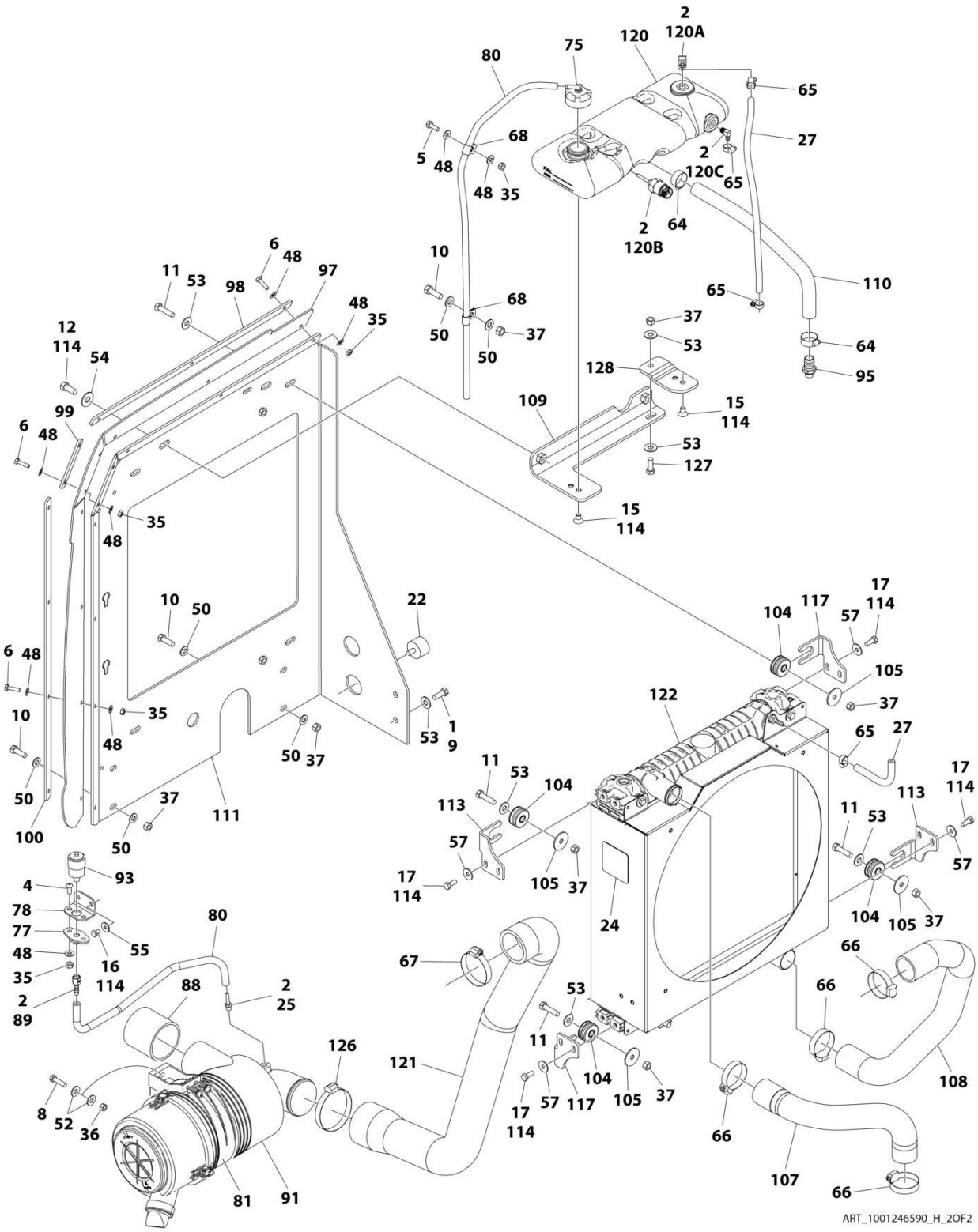

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FIGURE 3-21. DEUTZ TD2.9L4 - 49HP ENGINE ASSEMBLY – WITH ARCTIC PACKAGE

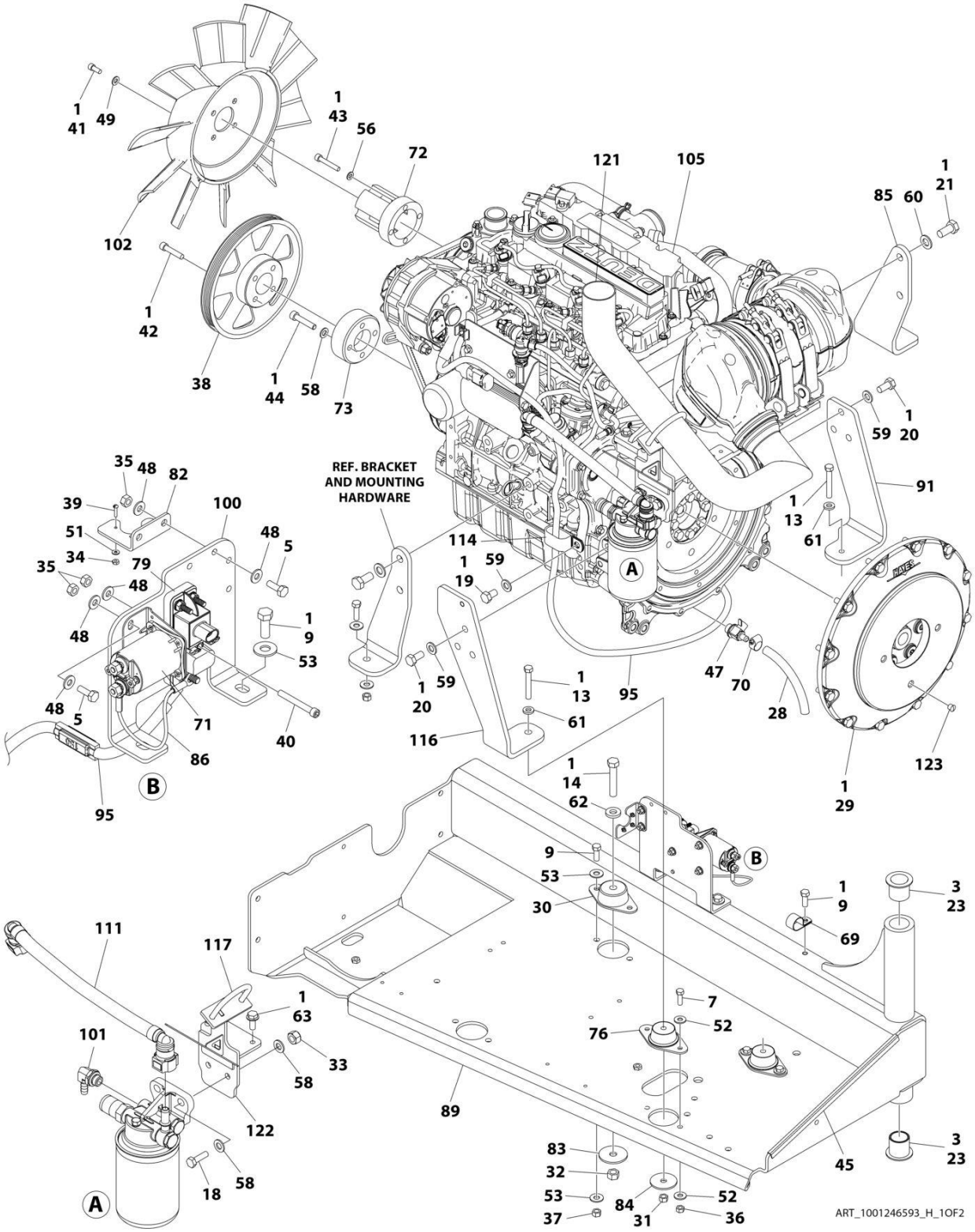
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246590	Ref	DEUTZ D2.9L4 ENGINE ASSEMBLY	H
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Adhesive	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	5	Bolt 1/4 x 3/4	
6	0641408	9	Bolt 1/4 x 1	
7	0641508	4	Bolt 5/16 x 1	
8	0641510	2	Bolt 5/16 x 1-1/4	
9	0641608	7	Bolt 3/8 x 1	
10	0641609	4	Bolt 3/8 x 1-1/8	
11	0641612	4	Bolt 3/8 x 1-1/2	
12	0641708	2	Bolt 716 x 1	
13	0681620	2	Bolt 3/8 x 2-1/2 Grade 8	
14	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0741605	2	Screw, Flathead 3/8 x 5/8	
16	0760605	2	Bolt M6 x 10	
17	0760810	8	Bolt M8 x 20	
18	0761015	2	Bolt M10 x 35	
19	0761210	1	Bolt M12 x 20	
20	0771212	6	Bolt M12 x 25 Grade 10.9	
21	0771414	2	Bolt M14 x 30	
22	0940070	1	Bumper	
23	0961986	2	Bushing, Flanged	
24	1703162	1	Decal - Fan Blade	
25	2220315	1	Fitting, Straight Barbed	
27	2720015	26 in /.9m	Hose	
28	2720340	16 in /40.6cm	Hose	
29	2902065	1	Kit, Pump Coupling (See Separate Breakdown in this section)	
30	3200401	1	Mount, Motor	
31	3271601	2	Nut 3/8 Grade 8	
32	3271801	1	Nut 1/2 Grade 8	
33	3291005	2	Nut M10	
34	3310401	3	Nut #4	
35	3311405	17	Nut 1/4	
36	3311505	6	Nut 5/16	
37	3311605	11	Nut 3/8	
38	3580320	1	Pulley	
39	3910408	3	Screw #4 x 1/2	
40	3931432	1	Capscrew 1/4 x 2	
41	3931512	4	Capscrew 5/16 x 3/4	
42	3931628	4	Capscrew 3/8 x 1-3/4	
43	4031914	4	Capscrew M8 x 50	
44	4032014	4	Capscrew M10 x 50	
45	4060805	14 in /36cm	Flex-Trim	
46	4240099	AR	Tie-Strap (Not Shown)	
47	4640751	1	Valve, Oil Drain	
48	4711400	31	Washer 1/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	4711500	4	Washer 5/16	
50	4711600	8	Washer 3/8	
51	4750400	3	Washer #4	
52	4751500	12	Washer 5/16	
53	4751600	14	Washer 3/8	
54	4751700	2	Washer 7/16	
55	4811702	2	Washer M6	
56	4811900	4	Washer M8	
57	4811902	8	Washer M8	
58	4812000	8	Washer M10	
59	4812100	7	Washer M12	
60	4812200	2	Washer M14	
61	4891600	2	Washer 3/8 Hardened	
62	4891800	1	Washer 1/2 Hardened	
63	5250810	2	Bolt M8 x 20	
64	8405007	2	Clamp	
65	8405009	4	Clamp	
66	8405104	4	Clamp	
67	8405204	1	Clamp	
68	8406110	2	Clip	
69	8406201	1	Clip	
70	8410013	1	Clamp	
71	1001117308	1	Relay	
72	1001135138	1	Adapter	
73	1001135679	1	Adapter	
75	1001136834	1	Cap, Tank	
76	1001138170	2	Mount, Motor	
77	1001138173	1	Support	
78	1001138175	1	Bracket	
79	1001138228	1	Relay, Power Module	
79	70023593	1	Fuse 30Amp (Battery Output)	
79	70023592	1	Fuse 20Amp (Switched Output)	
80	1001138248	67 in /1.7m	Tube	
81	1001138557	1	Clamp	
82	1001139240	1	Bracket	
83	1001139409	1	Washer, Special	
84	1001139429	2	Washer, Special	
85	1001140312	1	Heater, Engine Block	
86	1001140454	1	Mount, Front Engine	
87	1001141304	1	Harness, Glow Plug	
88	1001141585	1	Hose, Air Inlet	
89	1001141995	1	Fitting, Straight Barbed	
90	1001142538	1	Support	
91	1001142615	1	Air Cleaner Assembly Filter Element	
91	91403102	1	Element, Filter (Not Shown)	
92	1001142635	1	Mount, Rear Engine	
93	1001143390	1	Indicator, Service	
94	1001143726	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
95	1001143797	1	Fitting, Straight Barbed	
96	1001143907	1	Cable, Alternator Power	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
97	1001144409	1	Panel, Rubber	
98	1001144410	1	Bracket, Panel Clamp	
99	1001144411	1	Bracket, Panel Clamp	
100	1001144412	1	Bracket, Panel Clamp	
101	1001145154	1	Plate, Relay Mounting	
102	1001152489	1	Fitting, 90 Barbed	
103	1001165849	1	Fan	
104	1001169054	4	Isolator	
105	1001169138	4	Washer	
106	1001170617	1	Deutz D2.9L4 Engine Components (See Separate Breakdown in this Section)	
107	1001176225	1	Hose, Radiator - Upper	
108	1001176226	1	Hose, Radiator - Lower	
109	1001260413	1	Bracket, Tank	
110	1001176511	1	Hose	
111	1001176723	1	Plate Radiator Mounting	
112	1001177359	1	Hose	
113	1001178223	2	Bracket	
114	1001180620	AR	Adhesive	
115	1001181895	AR	Adhesive	
116	1001181899	1	Clamp	
117	1001204325	2	Bracket	
118	1001205051	1	Mount, Rear Engine	
119	1001228506	1	Bolt, U-Bolt	
120	1001230635	1	Tank	
120A	1001134488	1	Fitting, 90 Barbed	
120B	1001138827	1	Sensor, Coolant Level	
120C	1001140564	1	Fitting, 90 Barbed	
121	1001247105	1	Hose, Inlet	
122	1001247676	1	Radiator and Shroud Assembly	
122	1001203495	1	Radiator	
122	1001247564	1	Shroud	
123	1001248477	1	Pipe, Exhaust	
124	1001248480	1	Bracket	
125	3520054	1	Plug	
126	8410011	1	Clamp	
127	0681608	1	Bolt 3/8 x 1	
128	1001260412	1	Bracket	
129	1001162335	1	Bracket, Fuel Pump/Filter Assembly (Not Shown) (See Separate Breakdown in this Section)	

FIGURE 3-22. DEUTZ TD2.9L4 - 49HP ENGINE ASSEMBLY – WITHOUT ARCTIC PACKAGE



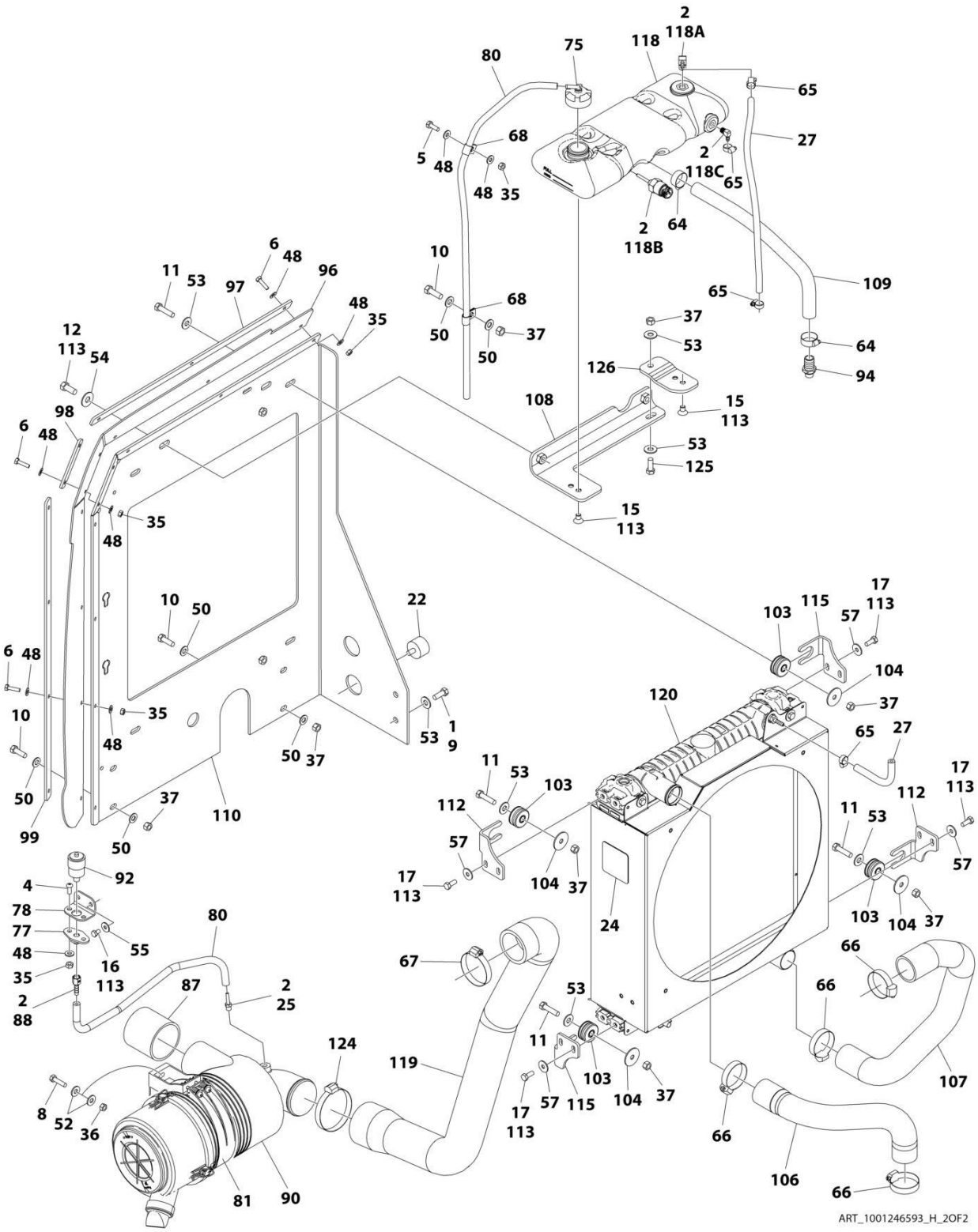

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FIGURE 3-22. DEUTZ TD2.9L4 - 49HP ENGINE ASSEMBLY – WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246593	Ref	DEUTZ D2.9L4 ENGINE ASSEMBLY	H
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Adhesive	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	5	Bolt 1/4 x 3/4	
6	0641408	9	Bolt 1/4 x 1	
7	0641508	4	Bolt 5/16 x 1	
8	0641510	2	Bolt 5/16 x 1-1/4	
9	0641608	7	Bolt 3/8 x 1	
10	0641609	4	Bolt 3/8 x 1-1/8	
11	0641612	4	Bolt 3/8 x 1-1/2	
12	0641708	2	Bolt 716 x 1	
13	0681620	2	Bolt 3/8 x 2-1/2 Grade 8	
14	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0741605	2	Screw, Flathead 3/8 x 5/8	
16	0760605	2	Bolt M6 x 10	
17	0760810	8	Bolt M8 x 20	
18	0761015	2	Bolt M10 x 35	
19	0761210	1	Bolt M12 x 20	
20	0771212	6	Bolt M12 x 25 Grade 10.9	
21	0771414	2	Bolt M14 x 30	
22	0940070	1	Bumper	
23	0961986	2	Bushing, Flanged	
24	1703162	1	Decal - Fan Blade	
25	2220315	1	Fitting, Straight Barbed	
27	2720015	26 in /.9m	Hose	
28	2720340	16 in /40.6cm	Hose	
29	2902065	1	Kit, Pump Coupling (See Separate Breakdown in this Section)	
30	3200401	1	Mount, Motor	
31	3271601	2	Nut 3/8 Grade 8	
32	3271801	1	Nut 1/2 Grade 8	
33	3291005	2	Nut M10	
34	3310401	3	Nut #4	
35	3311405	17	Nut 1/4	
36	3311505	6	Nut 5/16	
37	3311605	11	Nut 3/8	
38	3580320	1	Pulley	
39	3910408	3	Screw #4 x 1/2	
40	3931432	1	Capscrew 1/4 x 2	
41	3931512	4	Capscrew 5/16 x 3/4	
42	3931628	4	Capscrew 3/8 x 1-3/4	
43	4031914	4	Capscrew M8 x 50	
44	4032014	4	Capscrew M10 x 50	
45	4060805	14 in /36cm	Flex-Trim	
46	4240099	AR	Tie-Strap (Not Shown)	
47	4640751	1	Valve, Oil Drain	
48	4711400	31	Washer 1/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	4711500	4	Washer 5/16	
50	4711600	8	Washer 3/8	
51	4750400	3	Washer #4	
52	4751500	12	Washer 5/16	
53	4751600	14	Washer 3/8	
54	4751700	2	Washer 7/16	
55	4811702	2	Washer M6	
56	4811900	4	Washer M8	
57	4811902	8	Washer M8	
58	4812000	8	Washer M10	
59	4812100	7	Washer M12	
60	4812200	2	Washer M14	
61	4891600	2	Washer 3/8 Hardened	
62	4891800	1	Washer 1/2 Hardened	
63	5250810	2	Bolt M8 x 20	
64	8405007	2	Clamp	
65	8405009	4	Clamp	
66	8405104	4	Clamp	
67	8405204	1	Clamp	
68	8406110	2	Clip	
69	8406201	1	Clip	
70	8410013	1	Clamp	
71	1001117308	1	Relay	
72	1001135138	1	Adapter	
73	1001135679	1	Adapter	
75	1001136834	1	Cap, Tank	
76	1001138170	2	Mount, Motor	
77	1001138173	1	Support	
78	1001138175	1	Bracket	
79	1001138228	1	Relay, Power Module	
79	70023593	1	Fuse 30Amp (Battery Output)	
79	70023592	1	Fuse 20Amp (Switched Output)	
80	1001138248	67 in /1.7m	Tube	
81	1001138557	1	Clamp	
82	1001139240	1	Bracket	
83	1001139409	1	Washer, Special	
84	1001139429	2	Washer, Special	
85	1001140454	1	Mount, Front Engine	
86	1001141304	1	Harness, Glow Plug	
87	1001141585	1	Hose, Air Inlet	
88	1001141995	1	Fitting, Straight Barbed	
89	1001142538	1	Support	
90	1001142615	1	Air Cleaner Assembly Filter Element	
90	91403102	1	Element, Filter (Not Shown)	
91	1001142635	1	Mount, Rear Engine	
92	1001143390	1	Indicator, Service	
93	1001143726	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
94	1001143797	1	Fitting, Straight Barbed	
95	1001143907	1	Cable, Alternator Power	
96	1001144409	1	Panel, Rubber	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
97	1001144410	1	Bracket, Panel Clamp	
98	1001144411	1	Bracket, Panel Clamp	
99	1001144412	1	Bracket, Panel Clamp	
100	1001145154	1	Plate, Relay Mounting	
101	1001152489	1	Fitting, 90 Barbed	
102	1001165849	1	Fan	
103	1001169054	4	Isolator	
104	1001169138	4	Washer	
105	1001170617	1	Deutz D2.9L4 Engine Components (See Separate Breakdown in this Section)	
106	1001176225	1	Hose, Radiator - Upper	
107	1001176226	1	Hose, Radiator - Lower	
108	1001260413	1	Bracket, Tank	
109	1001176511	1	Hose	
110	1001176723	1	Plate Radiator Mounting	
111	1001177359	1	Hose	
112	1001178223	2	Bracket	
113	1001180620	AR	Adhesive	
114	1001181899	1	Clamp	
115	1001204325	2	Bracket	
116	1001205051	1	Mount, Rear Engine	
117	1001228506	1	Bolt, U-Bolt	
118	1001230635	1	Tank	
118A	1001134488	1	Fitting, 90 Barbed	
118B	1001138827	1	Sensor, Coolant Level	
118C	1001140564	1	Fitting, 90 Barbed	
119	1001247105	1	Hose, Inlet	
120	1001247676	1	Radiator and Shroud Assembly	
120	1001203495	1	Radiator	
120	1001247564	1	Shroud	
121	1001248477	1	Pipe, Exhaust	
122	1001248480	1	Bracket	
123	3520054	1	Plug	
124	8410011	1	Clamp	
125	0681608	1	Bolt 3/8 x 1	
126	1001260412	1	Bracket	
127	1001162335	1	Bracket, Fuel Pump/Filter Assembly (Not Shown) (See Separate Breakdown in this Section)	

FIGURE 3-23. DEUTZ TD2.9L4 - 49HP ENGINE COMPONENTS

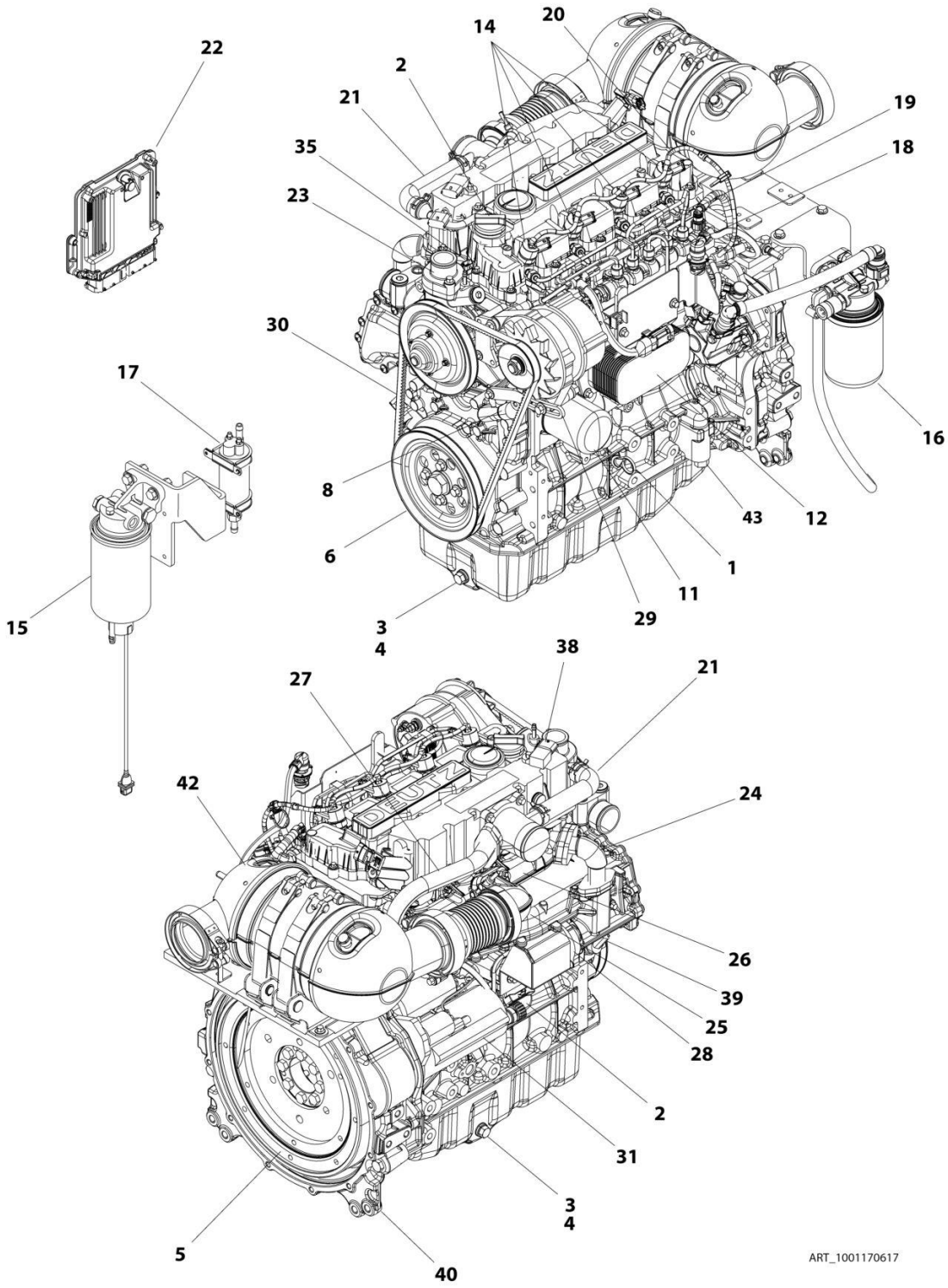


FIGURE 3-23. DEUTZ TD2.9L4 - 49HP ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170617	Ref	ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE	E
1	70024904	1	Dipstick	
1	70024905	1	O-Ring	
2	7020465	2	Cap, Filler	
3	70025088	2	Plug, Oil	
4	7020404	2	Ring, Sealing	
5	70001870	1	Flywheel	
5	7024579	1	Ring, Gear	
6	70025198	1	Pulley, Crank	
7	70024906	1	Gasket, Head (Not Shown)	
7	70025195	1	Gasket, Valve Cover (Not Shown)	
7	70005171	1	Gasket, Valve Cover (Not Shown)	
8	70025076	1	Valve	
8	70025091	1	Plug	
8	70025176	1	Spring	
8	70025082	1	Seal	
9	70004280	1	Seal, Crankshaft (Front) (Not Shown)	
9	70002718	1	Seal, Crankshaft (Rear) (Not Shown)	
10	70005172	1	Pump, Oil Lube (Not Shown)	
10	70025135	1	O-Ring (Not Shown)	
10	70005173	1	Gasket (Not Shown)	
11	7016331	1	Filter, Oil	
12	70004275	1	Cooler, Oil	
12	70024925	1	Gasket	
13	70025171	1	Pipe, Oil Suction (Not Shown)	
14	70004281	4	Injector, Fuel	
14	70025140	4	Washer, Sealing	
14	70025146	4	Clamp (Top of Injector)	
14	70025145	4	O-Ring	
14	70025154	4	Shoe, Clamping	
15	70024961	1	Bracket, Fuel Filter	
15	1001225430	1	Filter, Fuel	
15	70024513	1	Cable, Sensor	
15	70025239	1	Seal	
16	70025160	1	Bracket, Fuel Filter	
16	1001225431	1	Filter, Fuel	
16	70024504	1	Sensor, Pressure	
16	70024920	1	O-Ring	
16	70004513	2	Ring, Sealing	
17	70005174	NLA	Pump, Fuel (Use p/n 1001226098)	
17	70025144	2	Clamp	
18	70025151	1	Rail, Fuel	
18	70025235	1	Repair Kit	
18	70025240	1	O-Ring	
19	70025182	1	Line, Fuel (Cylinder 1 + 2)	
19	70025183	1	Line, Fuel (Cylinder 3 + 4)	
19	70025184	1	Line, Fuel (Fuel Rail to Pump)	
20	70024502	1	Fuel Return Pipe	
20	70025185	1	Hose, Fuel	
20	70025101	2	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
20	70025109	2	Clamp	
20	70025115	1	Clamp, Pipe	
20	70025133	1	Hose	
20	70025148	1	Connector, Plug-in	
21	70005182	1	Elbow, Air Charger	
21	70005176	1	O-Ring	
21	70005177	1	Gasket	
21	70005180	1	Line, Breather	
21	70005181	1	O-Ring	
21	70005183	1	Line, Breather	
21	70025111	2	Clamp	
22	70025210	1	Module, ECU	
23	70024910	1	Pump, Water	
23	70025084	1	Plug	
23	7020492	1	O-Ring	
23	70025200	1	Seal	
23	70024473	1	Thermostat	
23	70005184	1	O-Ring (Thermostat)	
23	70025142	1	Cover, Thermostat	
23	70025159	1	Pulley, Water Pump	
24	70025177	1	Pipe	
24	70025179	1	Gasket	
25	70005185	1	Manifold	
25	70024912	1	Gasket	
26	70004282	1	Manifold, Exhaust	
26	70025164	1	Gasket, Exhaust Manifold	
27	70005186	1	Pipe	
27	70025179	1	Gasket (Two Hole)	
27	70025180	1	Gasket (Three Hole)	
28	70004283	1	Module, ERG	
28	70005188	1	Valve, Control	
28	70005189	1	O-Ring	
29	70024914	1	Alternator	
29	70025149	1	Regulator	
29	70025131	1	Fan	
29	70025150	1	Pulley	
29	70025191	1	Plate, Retaining	
29	70025201	1	Bracket, Alternator	
30	70024913	1	V-Belt	
31	70024915	1	Starter	
32	70025231	1	Harness, Glow Plug (Not Shown)	
32	70025233	1	Connector (Not Shown)	
33	70025221	1	Connector, Plug-In (Not Shown)	
33	70025781	1	Connector, Plug-In (Not Shown)	
33	70025779	1	Ring, Fastening (Not Shown)	
34	70004284	1	Harness, Engine (Not Shown)	
34	70025165	1	Plate, Retaining (Not Shown)	
34	70025216	1	Adapter (Not Shown)	
34	70025215	1	Bracket, Fixing (Not Shown)	
34	70025228	2	Bracket (Not Shown)	
34	70025226	1	Connector, Plug-In (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
34	70025220	5	Connector, Plug-In (Not Shown)	
34	70025222	3	Connector, Plug-In (Not Shown)	
34	70025223	1	Connector, Plug-In (Not Shown)	
34	70025219	1	Connector, Plug-In (Not Shown)	
34	70025238	1	Connector, Plug-In (Not Shown)	
34	70025221	2	Connector, Plug-In (Not Shown)	
34	70025217	8	Clamp (Not Shown)	
34	70025213	2	Clip (Not Shown)	
34	70025209	1	Bracket (Not Shown)	
34	70025225	1	Support (Not Shown)	
34	70025218	3	Clamp (Not Shown)	
34	70025237	1	Connector, Plug-In (Not Shown)	
34	70025214	1	Cap (Not Shown)	
34	70025224	2	Clamp (Not Shown)	
34	70025166	1	Support, Harness (Not Shown)	
34	70025211	1	Plate, Retaining (Not Shown)	
34	70025189	1	Plate, Retaining (Not Shown)	
34	70025236	1	Support, Harness (Not Shown)	
35	70024918	1	Sender, Temperature	
36	70024504	1	Sensor, Pressure (Not Shown - Located Left Side Front)	
36	70024920	1	O-Ring (Not Shown)	
37	70024503	1	Sensor, Speed (Not Shown)	
37	70005191	1	O-Ring	
38	70024507	1	Sensor, Pressure	
38	70025120	1	Seal	
39	70024503	1	Sensor, Speed	
39	70024917	1	Seal	
40	70025192	1	Housing	
40	70025113	2	Pin	
41	70000345	4	Plug, Glow (Not Shown)	
42	70005446	1	Outlet, Muffler	
42	70025241	1	Clip	
42	70025242	2	Gasket	
42	70004504	1	Compensator	
42	70024512	1	Clamp	
42	70025877	1	Clamp	
43	70124530	1	Valve, Relief	
43	70025660	1	Plug	
43	70124538	1	Spring	
43	70104570	1	Seal	

FIGURE 3-24. DEUTZ TD2.9L4 - 63HP ENGINE INSTALLATION - WITHOUT ARCTIC PACKAGE

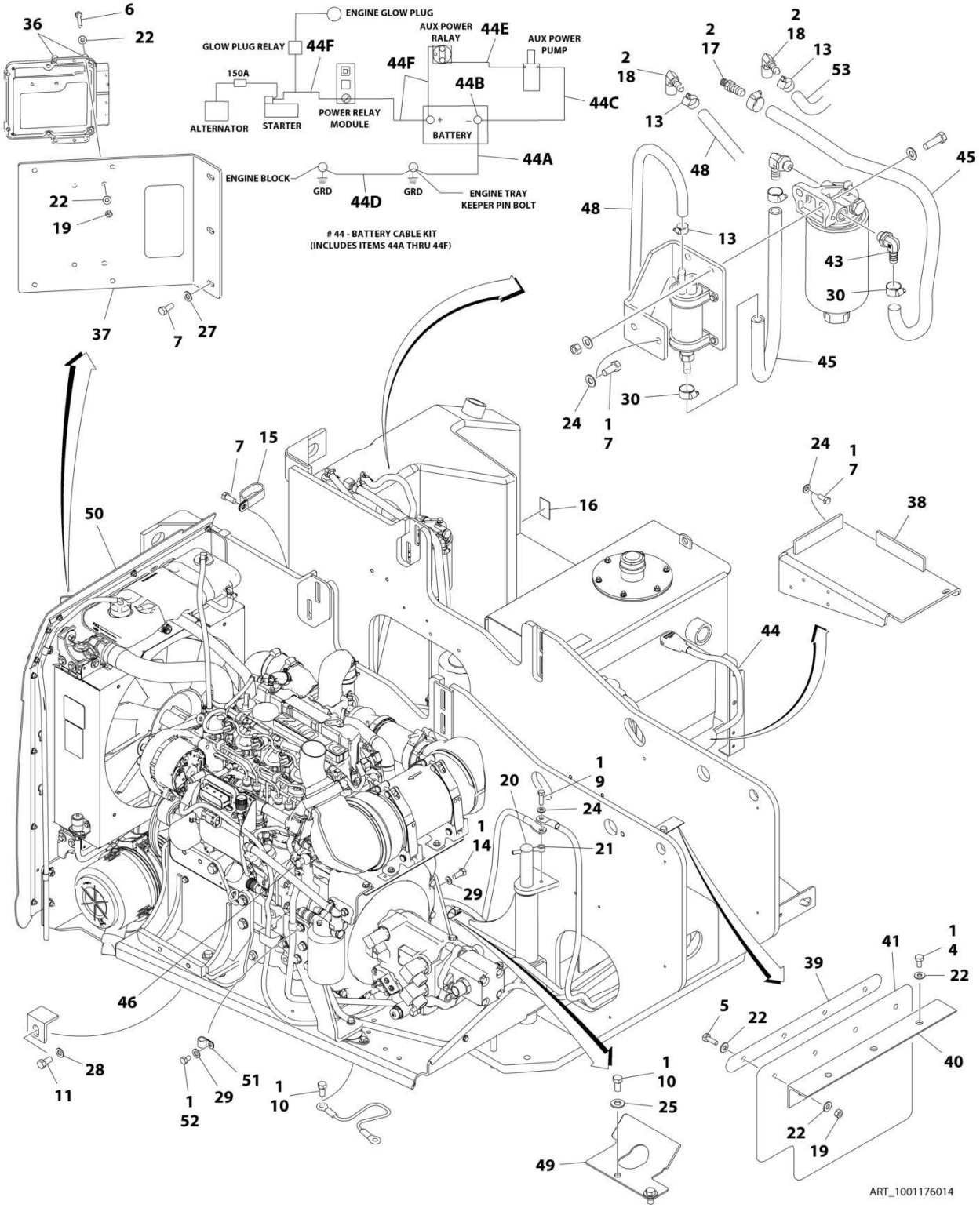


FIGURE 3-24. DEUTZ TD2.9L4 - 63HP ENGINE INSTALLATION - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176014	Ref	DEUTZ TD2.9L4 ENGINE INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
4	0641404	3	Bolt 1/4 x 1/2	
5	0641406	4	Bolt 1/4 x 3/4	
6	0641412	4	Bolt 1/4 x 1-1/2	
7	0641607	9	Bolt 3/8 x 7/8	
8	0641608	2	Bolt 3/8 x 1 (Not Shown)	
9	0641612	1	Bolt 3/8 x 1-1/2	
10	0641808	3	Bolt 1/2 x 1	
11	0642010	1	Bolt 5/8 x 1-1/4	
13	1320022	5	Clamp	
14	0771212	1	Bolt M12 x 25	
15	1321716	1	P-Clamp	
16	1701505	1	Decal - Diesel	
17	2180832	1	Fitting, Straight Barbed	
18	2220313	2	Fitting, 90 Barbed	
19	3311405	8	Nut 1/4	
20	3422448	1	Pin, Pivot	
21	3841143	1	Pin, Keeper	
22	4711400	19	Washer 1/4	
24	4711600	6	Washer 3/8	
25	4711800	2	Washer 1/2	
27	4751600	3	Washer 3/8	
28	4752000	1	Washer 5/8	
29	4812100	2	Washer M12	
30	8405006	2	Clamp	
32	8406201	4	Clip (Not Shown)	
36	1001110425	4	Spacer	
37	1001137866	1	Plate, Baffle	
38	1001137868	1	Bracket, Battery	
39	1001137880	1	Bracket, Baffle	
40	1001137881	1	Angle	
41	1001137882	1	Support, Rubber	
42	1001138491	1	Harness, Fuel Pump (Pump requiring Push-on Terminals) (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001142501	1	Fitting, 90 Barbed	
44	1001145047	1	Battery Cable Kit	
44A	7027072	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
44B	8270147	1	Terminal, Battery (With Boot)	
44B	See Note	1	Boot, Black (Note: Not Available for Purchase)	
44C	7027073	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
44C	See Note	1	Boot, Black (Note: Not Available for Purchase)	
44D	7027074	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
44E	7027075	1	Cable (Red) (Aux Relay to Aux Pump)	
44E	70003952	2	Boot, Red	
44F	7027076	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
44F	See Note	1	Boot, Red (Battery) (Note: Not Available for Purchase)	
45	1001154405	3 ft /0.9m	Hose	
46	1001155823	1	Fitting, 90 Quick Disconnect	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001165035	23.5 ft /7.2m	Hose	
49	1001172793	1	Guide, Hose	
50	1001176013	1	Engine Assembly with Pumps (See Separate Breakdown in this Section)	
51	1320061	1	Clamp	
52	0761008	1	Bolt M10 x 16	
53	2750532	5 ft /1.6m	Hose	

FIGURE 3-25. DEUTZ TD2.9L4 - 63HP ENGINE INSTALLATION - WITH ARCTIC PACKAGE

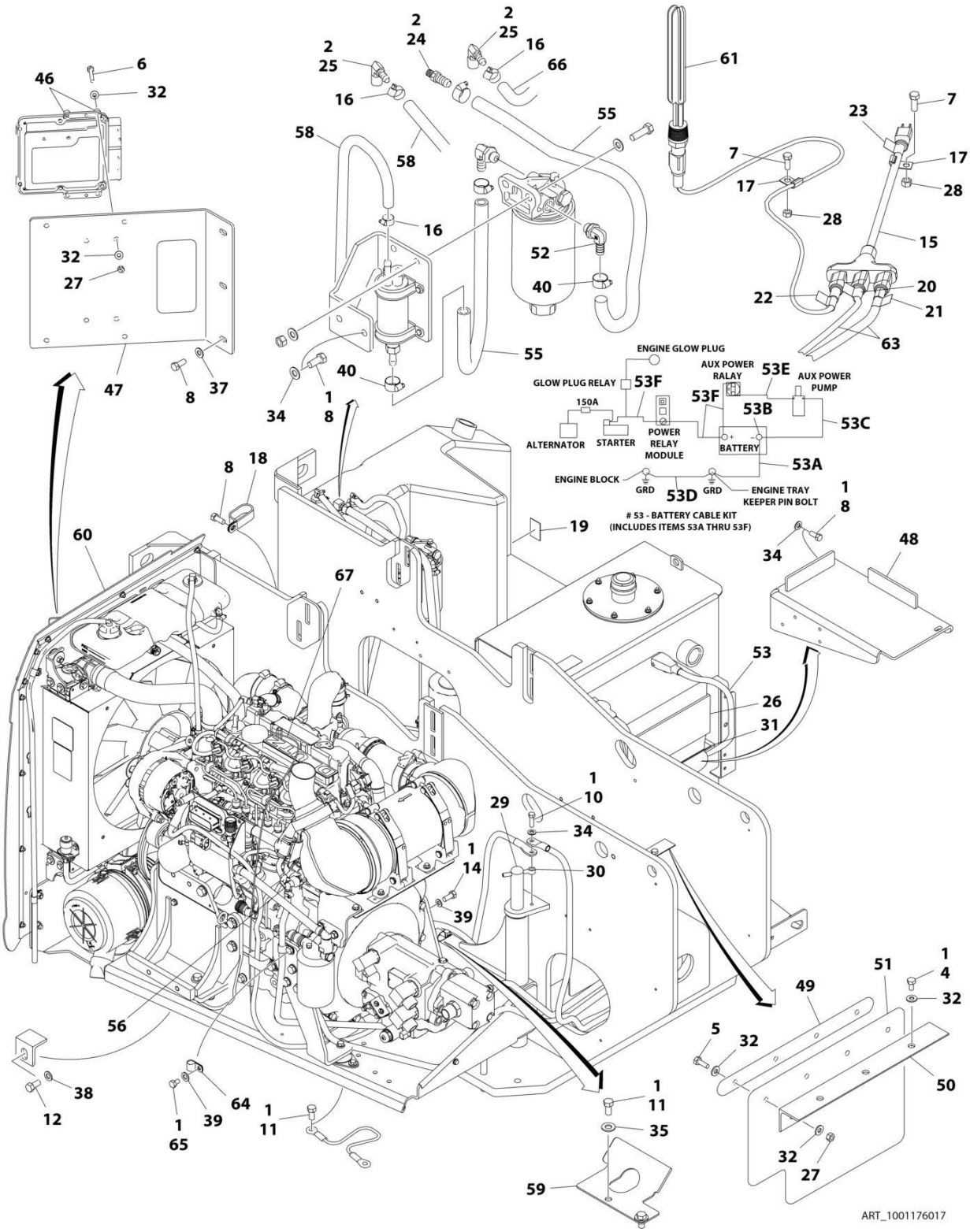


FIGURE 3-25. DEUTZ TD2.9L4 - 63HP ENGINE INSTALLATION - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176017	Ref	DEUTZ TD2.9L4 ENGINE INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
4	0641404	3	Bolt 1/4 x 1/2	
5	0641406	4	Bolt 1/4 x 3/4	
6	0641412	4	Bolt 1/4 x 1-1/2	
7	0641606	2	Bolt 3/8 x 3/4	
8	0641607	9	Bolt 3/8 x 7/8	
9	0641608	2	Bolt 3/8 x 1 (Not Shown)	
10	0641612	1	Bolt 3/8 x 1-1/2	
11	0641808	3	Bolt 1/2 x 1	
12	0642010	1	Bolt 5/8 x 1-1/4	
14	0771212	1	Bolt M12 x 25	
15	1060626	1	Cord, 3 Way Extension	
16	1320022	5	Clamp	
17	1320223	2	Clamp	
18	1321716	1	P-Clamp	
19	1701505	1	Decal - Diesel	
20	1702941	1	Decal - Battery Heater	
21	1702942	1	Decal - Engine Block Heater	
22	1702943	1	Decal - Hydraulic Tank Heater	
23	1702944	1	Decal - Heater Cord	
24	2180832	1	Fitting, Straight Barbed	
25	2220313	2	Fitting, 90 Barbed	
26	2580024	1	Heater, Battery	
27	3311405	8	Nut 1/4	
28	3311605	2	Nut 3/8	
29	3422448	1	Pin, Pivot	
30	3841143	1	Pin, Keeper	
31	3980007	1	Seat, Battery	
32	4711400	19	Washer 1/4	
34	4711600	8	Washer 3/8	
35	4711800	2	Washer 1/2	
37	4751600	3	Washer 3/8	
38	4752000	1	Washer 5/8	
39	4812100	2	Washer M12	
40	8405006	2	Clamp	
42	8406201	4	Clip (Not Shown)	
46	1001110425	4	Spacer	
47	1001137866	1	Plate, Baffle	
48	1001137868	1	Bracket, Battery	
49	1001137880	1	Bracket, Baffle	
50	1001137881	1	Angle	
51	1001137882	1	Support, Rubber	
52	1001142501	1	Fitting, 90 Barbed	
53	1001145047	1	Battery Cable Kit	
53A	7027072	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
53B	8270147	1	Terminal, Battery (With Boot)	
53B	See Note	1	Boot, Black (Note: Not Available for Purchase)	
53C	7027073	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53C	See Note	1	Boot, Black (Note: Not Available for Purchase)	
53D	7027074	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
53E	7027075	2	Cable (Red) (Aux Relay to Aux Pump)	
53E	70003952	2	Boot, Red	
53F	7027076	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
53F	See Note	1	Boot, Red (Battery) (Note: Not Available for Purchase)	
55	1001154405	3 ft /0.9m	Hose	
56	1001155823	1	Fitting, 90 Quick Disconnect	
58	1001165035	23.5 ft /7.2m	Hose	
59	1001172793	1	Guide, Hose	
60	1001176016	1	Engine Assembly with Pumps (See Separate Breakdown in this Section)	
61	1001188972	1	Heater, Hydraulic Tank	
62	1001138491	1	Harness, Fuel Pump (Pump requiring Push-on Terminals) (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
63	1001150918	1	Cable, Immersion Heater	
64	1320061	1	Clamp	
65	0761008	1	Bolt M10 x 16	
66	2750532	5 ft /1.6m	Hose	
67	1001233763	1	Breather Heater Installation (See Separate Breakdown in this Section)	

FIGURE 3-26. DEUTZ TD2.9L4 - 63HP ENGINE/PUMP SUB-ASSEMBLY – WITHOUT ARCTIC PACKAGE

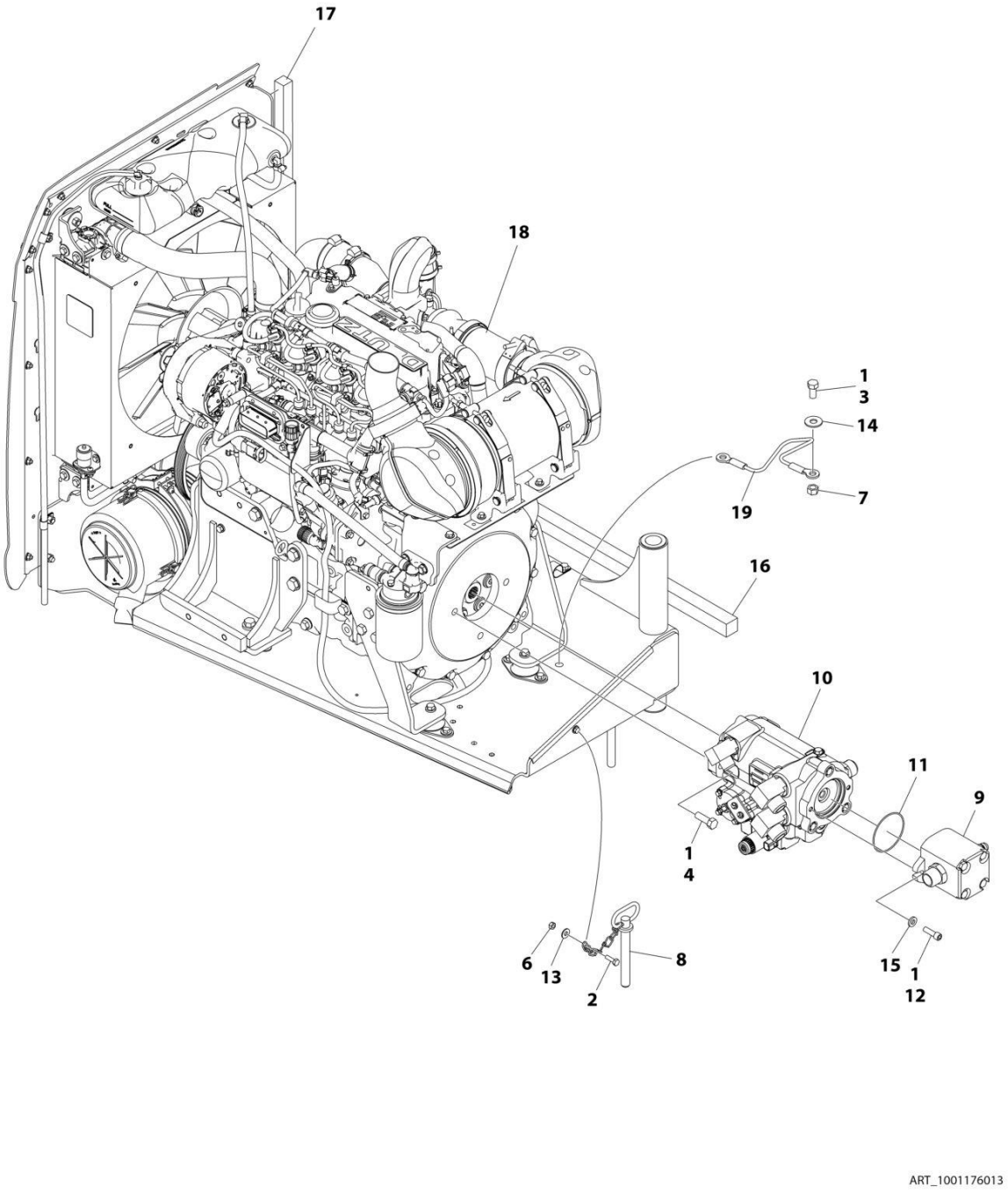


FIGURE 3-26. DEUTZ TD2.9L4 - 63HP ENGINE/PUMP SUB-ASSEMBLY – WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176013	Ref	DEUTZ TD2.9L4 ENGINE/PUMP SUB-ASSEMBLY	F
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	2	Bolt 1/2 x 1-1/2	
6	3311405	1	Nut 1/4	
7	3311801	1	Nut 1/2	
8	3422533	1	Pin, Hitch	
9	3600395	1	Gear Pump Assembly with Fittings (See Separate Breakdown in this Section)	
10	1001188952	1	Pump Assembly with Fittings (See Separate Breakdown in this Section)	
11	3790152	1	O-Ring	
12	3931620	2	Bolt 3/8 x 1-1/4	
13	4711400	2	Washer 1/4	
14	4751800	1	Washer 1/2	
15	4891600	2	Washer 3/8 Hardened	
16	1001137873	1	Seal	
17	1001137874	1	Seal	
18	1001176012	1	Engine Assembly (See Separate Breakdown in this Section)	
19	1060637	1	Lanyard	

FIGURE 3-27. DEUTZ TD2.9L4 - 63HP ENGINE/PUMP SUB-ASSEMBLY – WITH ARCTIC PACKAGE

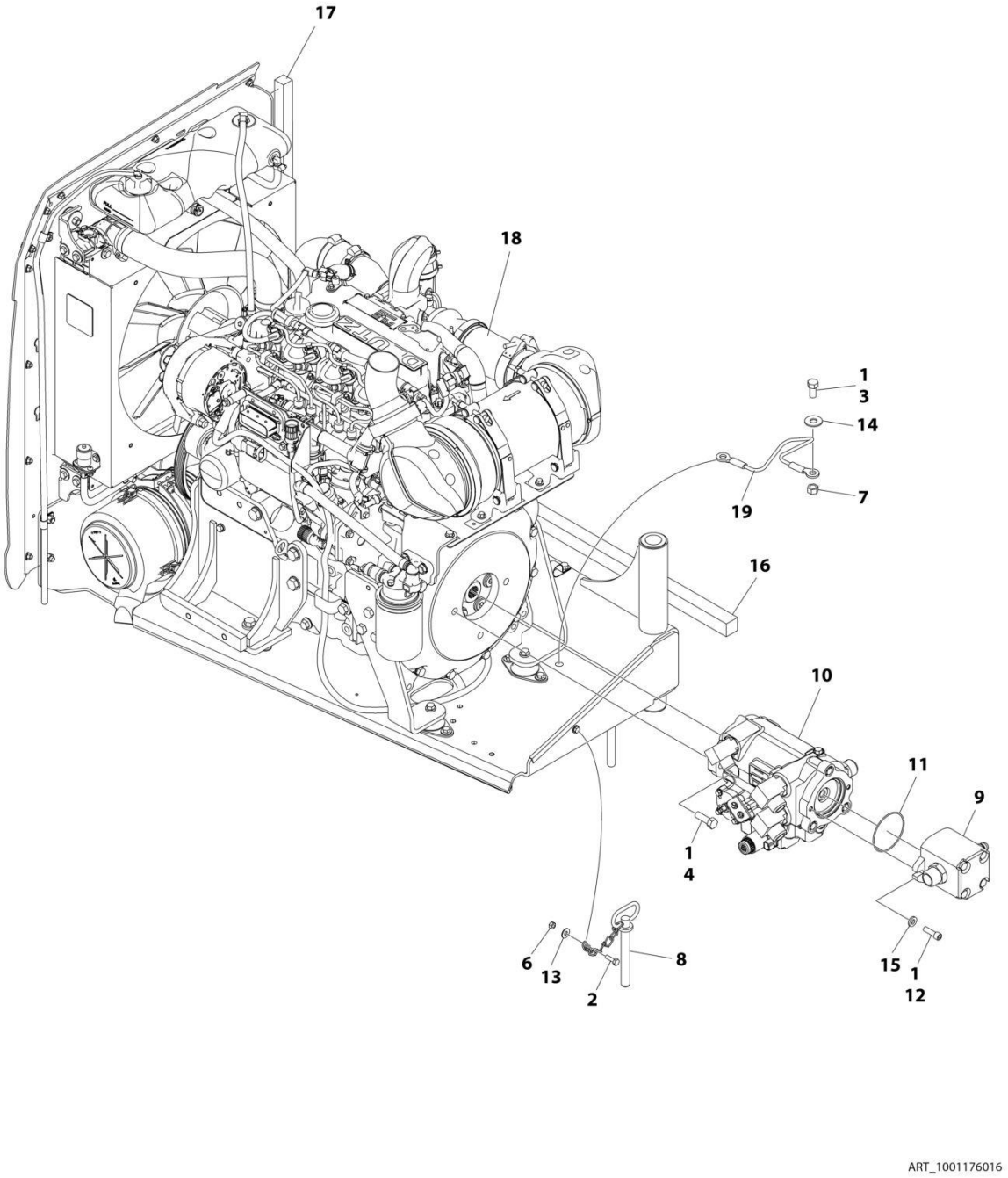
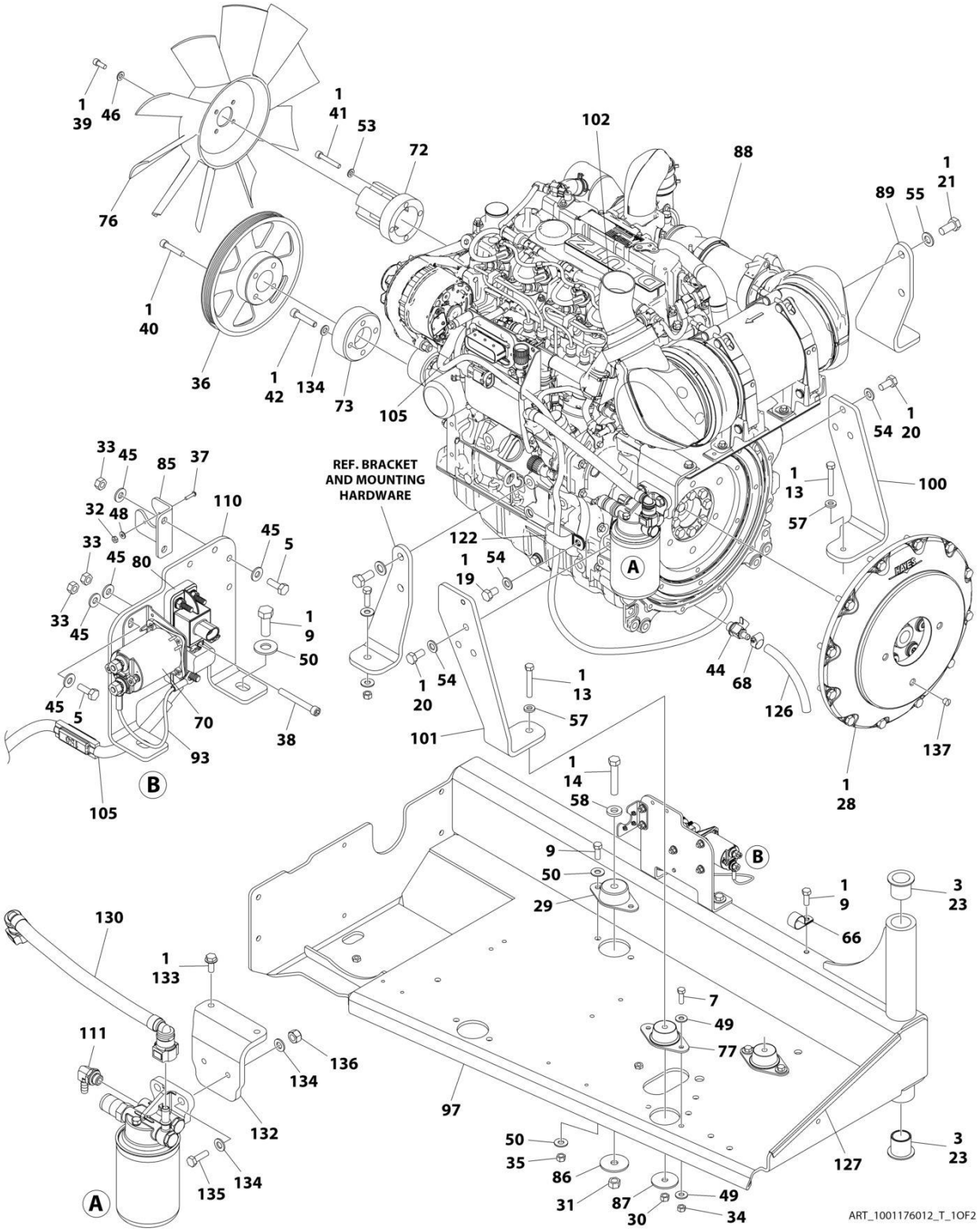


FIGURE 3-27. DEUTZ TD2.9L4 - 63HP ENGINE/PUMP SUB-ASSEMBLY – WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176016	Ref	DEUTZ TD2.9L4 ENGINE/PUMP SUB-ASSEMBLY	E
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	2	Bolt 1/2 x 1-1/2	
6	3311405	1	Nut 1/4	
7	3311801	1	Nut 1/2	
8	3422533	1	Pin, Hitch	
9	3600395	1	Gear Pump Assembly with Fittings (See Separate Breakdown in this Section)	
10	1001188952	1	Pump Assembly with Fittings (See Separate Breakdown in this Section)	
11	3790152	1	O-Ring	
12	3931620	2	Bolt 3/8 x 1-1/4	
13	4711400	2	Washer 1/4	
14	4751800	1	Washer 1/2	
15	4891600	2	Washer 3/8 Hardened	
16	1001137873	1	Seal	
17	1001137874	1	Seal	
18	1001176015	1	Engine Assembly (See Separate Breakdown in this Section)	
19	1060637	1	Lanyard	

FIGURE 3-28. DEUTZ TD2.9L4 - 63HP ENGINE ASSEMBLY – WITHOUT ARCTIC PACKAGE



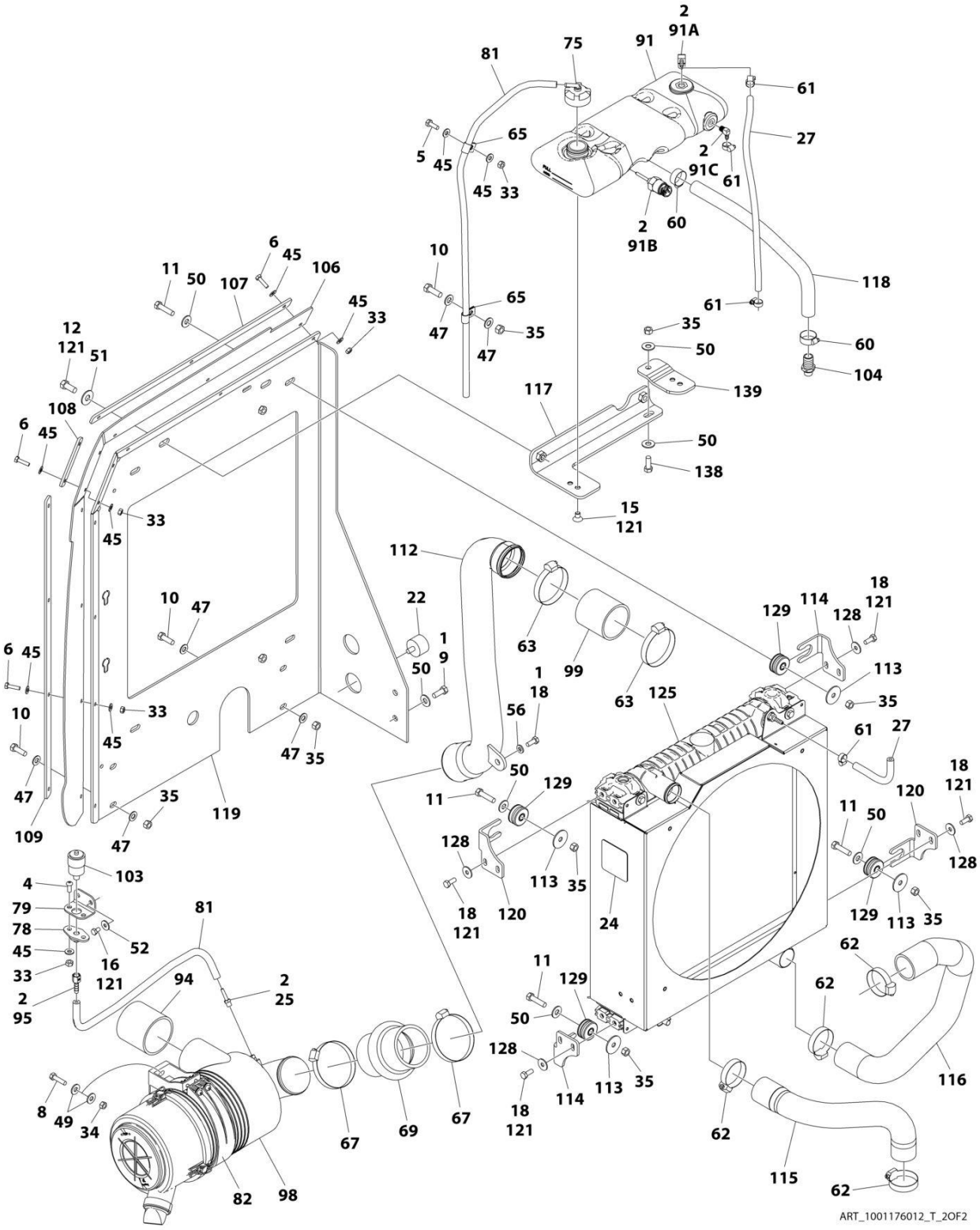

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FIGURE 3-28. DEUTZ TD2.9L4 - 63HP ENGINE ASSEMBLY – WITHOUT ARCTIC PACKAGE

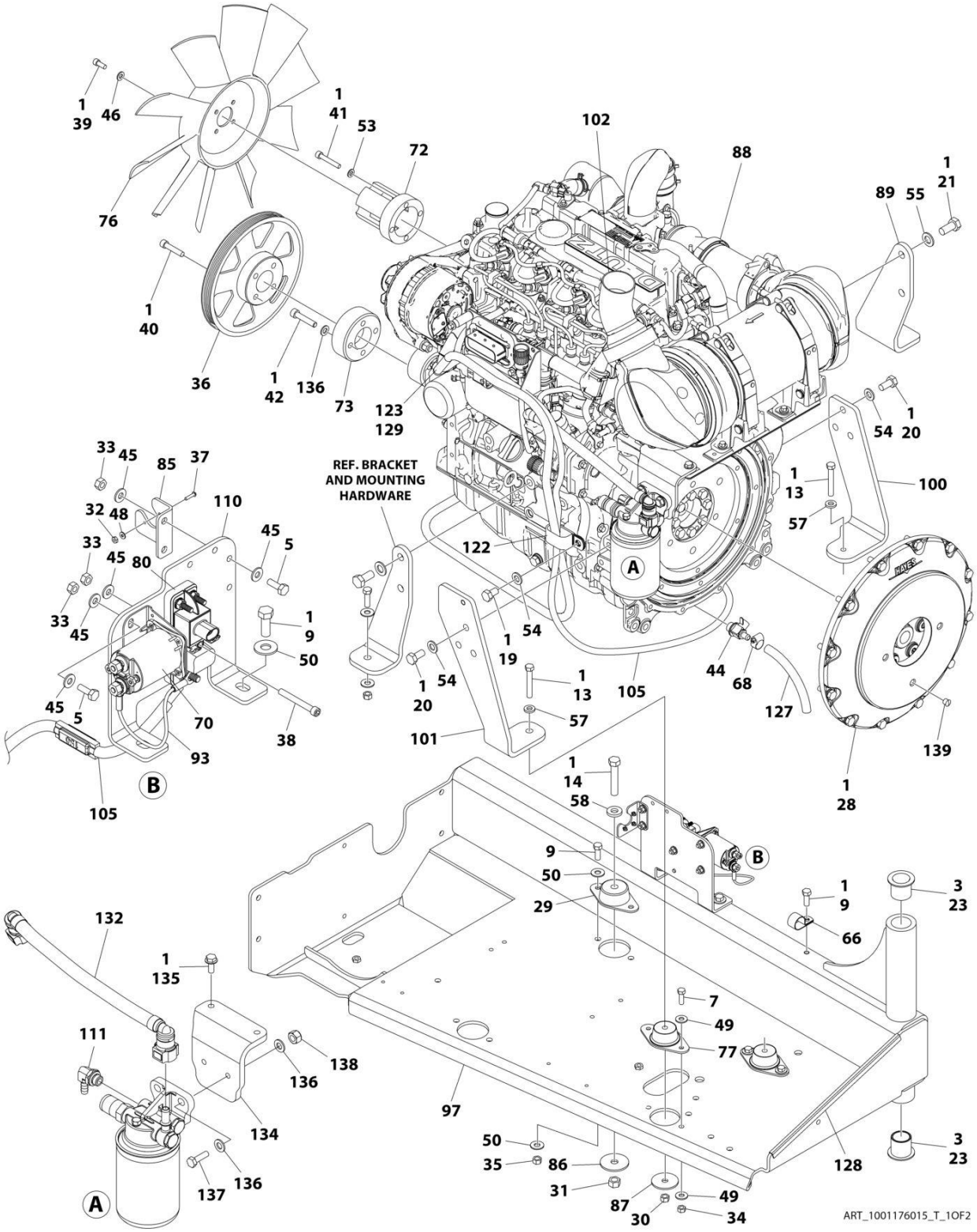
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176012	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY	T
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Adhesive	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	5	Bolt 1/4 x 3/4	
6	0641408	9	Bolt 1/4 x 1	
7	0641508	4	Bolt 5/16 x 1	
8	0641510	2	Bolt 5/16 x 1-1/4	
9	0641608	7	Bolt 3/8 x 1	
10	0641609	4	Bolt 3/8 x 1-1/8	
11	0641612	4	Bolt 3/8 x 1-1/2	
12	0641708	2	Bolt 716 x 1	
13	0681620	2	Bolt 3/8 x 2-1/2 Grade 8	
14	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0741605	2	Screw, Flathead 3/8 x 5/8	
16	0760605	2	Bolt M6 x 10	
18	0760810	9	Bolt M8 x 20	
19	0761210	1	Bolt M12 x 20	
20	0771212	6	Bolt M12 x 25	
21	0771414	2	Bolt M14 x 30	
22	0940070	1	Bumper	
23	0961986	2	Bushing, Flanged	
24	1703162	1	Decal - Fan Blade	
25	2220315	1	Fitting, Straight Barbed	
27	2720015	26 in /.9m	Hose	
28	2902065	1	Kit, Pump Coupling (See Separate Breakdown in this Section)	
29	3200401	1	Mount, Motor	
30	3271601	2	Nut 3/8 Grade 8	
31	3271801	1	Nut 1/2 Grade 8	
32	3310401	3	Nut #4	
33	3311405	17	Nut 1/4	
34	3311505	6	Nut 5/16	
35	3311605	11	Nut 3/8	
36	3580320	1	Pulley	
37	3910408	3	Screw #4 x 1/2	
38	3931432	1	Capscrew 1/4 x 2	
39	3931512	4	Capscrew 5/16 x 3/4	
40	3931628	4	Capscrew 3/8 x 1-3/4	
41	4031914	4	Capscrew M8 x 50	
42	4032014	4	Capscrew M10 x 50	
43	4240099	AR	Tie-Strap (Not Shown)	
44	4640751	1	Valve, Oil Drain	
45	4711400	31	Washer 1/4	
46	4711500	4	Washer 5/16	
47	4711600	8	Washer 3/8	
48	4750400	3	Washer #4	
49	4751500	12	Washer 5/16	
50	4751600	14	Washer 3/8	
51	4751700	2	Washer 7/16	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	4811702	2	Washer M6	
53	4811900	4	Washer M8	
54	4812100	7	Washer M12	
55	4812200	2	Washer M14	
56	4891500	1	Washer 5/16 Hardened	
57	4891600	2	Washer 3/8 Hardened	
58	4891800	1	Washer 1/2 Hardened	
60	8405007	2	Clamp	
61	8405009	4	Clamp	
62	8405104	4	Clamp	
63	8405204	2	Clamp	
65	8406110	2	Clip	
66	8406201	1	Clip	
67	8410011	2	Clamp	
68	8410013	1	Clamp	
69	91403244	1	Hose	
70	1001117308	1	Relay	
72	1001135138	1	Adapter	
73	1001135679	1	Adapter	
75	1001136834	1	Cap, Tank	
76	1001137276	1	Fan	
77	1001138170	2	Mount, Motor	
78	1001138173	1	Support	
79	1001138175	1	Bracket	
80	1001138228	1	Relay, Power Module	
80	70023593	1	Fuse 30Amp (Battery Output)	
80	70023592	1	Fuse 20Amp (Switched Output)	
81	1001138248	67 in /1.7m	Tube	
82	1001138557	1	Clamp	
85	1001139240	1	Bracket	
86	1001139409	1	Washer, Special	
87	1001139429	2	Washer, Special	
88	1001249942	1	Deutz TD2.9L4 Engine Components (See Separate Breakdown in this Section)	
89	1001140454	1	Mount, Front Engine	
91	1001230635	1	Tank	
91A	1001134488	1	Fitting, 90 Barbed	
91B	1001138827	1	Sensor, Coolant Level	
91C	1001140564	1	Fitting, 90 Barbed	
93	1001141304	1	Harness, Glow Plug	
94	1001141585	1	Hose, Air Inlet	
95	1001141995	1	Fitting, Straight Barbed	
97	1001142538	1	Support	
98	1001142615	1	Air Cleaner Assembly Filter Element	
98	91403102	1	Element, Filter (Not Shown)	
99	1001142623	1	Hose, Inlet	
100	1001142635	1	Mount, Rear Engine	
101	1001205051	1	Mount, Rear Engine	
102	1001142689	1	Pipe, Exhaust	
103	1001143390	1	Indicator, Service	
104	1001143797	1	Fitting, Straight Barbed	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
105	1001143907	1	Cable, Alternator Power	
106	1001144409	1	Panel, Rubber	
107	1001144410	1	Bracket, Panel Clamp	
108	1001144411	1	Bracket, Panel Clamp	
109	1001144412	1	Bracket, Panel Clamp	
110	1001145154	1	Plate, Relay Mounting	
111	1001152489	1	Fitting, 90 Barbed	
112	1001165842	1	Pipe	
113	1001169138	4	Washer	
114	1001204325	2	Bracket	
115	1001176225	1	Hose, Radiator - Upper	
116	1001176226	1	Hose, Radiator - Lower	
117	1001260413	1	Bracket, Tank	
118	1001176511	1	Hose	
119	1001176723	1	Plate Radiator Mounting	
120	1001178223	2	Bracket	
121	1001180620	AR	Adhesive	
122	1001181899	1	Clamp	
123	1001143726	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
125	1001167041	1	Radiator and Shroud Assembly	
125	1001203495	1	Radiator	
125	1001204491	1	Shroud	
126	2720340	6 in /15cm	Hose	
127	4060805	14 in / 36cm	Flex-Trim	
128	4811902	8	Washer M8	
129	1001169054	4	Isolator	
130	1001177359	1	Hose	
132	1001178876	1	Mount	
133	5250810	2	Bolt M8 x 20	
134	4812000	8	Washer M10	
135	0761015	2	Bolt M10 x 35	
136	3291005	2	Nut M10	
137	3520054	1	Plug	
138	0681608	1	Bolt 3/8 x 1 Grade 8	
139	1001260412	1	Bracket	
140	1001162335	1	Bracket, Fuel Pump/Filter Assembly (Not Shown - See Separate Breakdown in this Section)	

FIGURE 3-29. DEUTZ TD2.9L4 - 63HP ENGINE ASSEMBLY – WITH ARCTIC PACKAGE



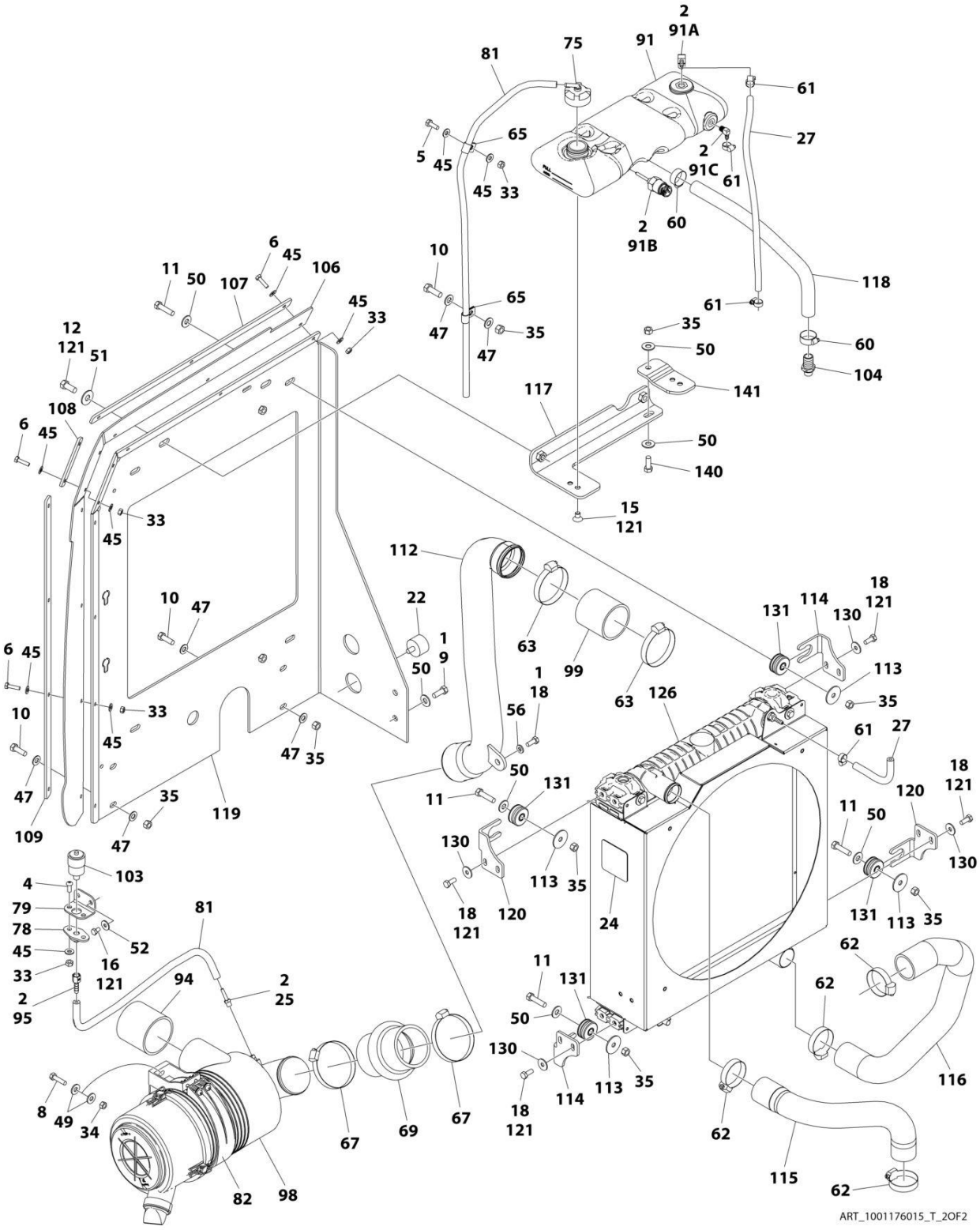

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FIGURE 3-29. DEUTZ TD2.9L4 - 63HP ENGINE ASSEMBLY – WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176015	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY	T
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Adhesive	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	5	Bolt 1/4 x 3/4	
6	0641408	9	Bolt 1/4 x 1	
7	0641508	4	Bolt 5/16 x 1	
8	0641510	2	Bolt 5/16 x 1-1/4	
9	0641608	7	Bolt 3/8 x 1	
10	0641609	4	Bolt 3/8 x 1-1/8	
11	0641612	4	Bolt 3/8 x 1-1/2	
12	0641708	2	Bolt 716 x 1	
13	0681620	2	Bolt 3/8 x 2-1/2 Grade 8	
14	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0741605	2	Screw, Flathead 3/8 x 5/8	
16	0760605	2	Bolt M6 x 10	
18	0760810	9	Bolt M8 x 20	
19	0761210	1	Bolt M12 x 20	
20	0771212	6	Bolt M12 x 25	
21	0771414	2	Bolt M14 x 30	
22	0940070	1	Bumper	
23	0961986	2	Bushing, Flanged	
24	1703162	1	Decal - Fan Blade	
25	2220315	1	Fitting, Straight Barbed	
27	2720015	26 in /.9m	Hose	
28	2902065	1	Kit, Pump Coupling (See Separate Breakdown in this Section)	
29	3200401	1	Mount, Motor	
30	3271601	2	Nut 3/8 Grade 8	
31	3271801	1	Nut 1/2 Grade 8	
32	3310401	3	Nut #4	
33	3311405	17	Nut 1/4	
34	3311505	6	Nut 5/16	
35	3311605	11	Nut 3/8	
36	3580320	1	Pulley	
37	3910408	3	Screw #4 x 1/2	
38	3931432	1	Capscrew 1/4 x 2	
39	3931512	4	Capscrew 5/16 x 3/4	
40	3931628	4	Capscrew 3/8 x 1-3/4	
41	4031914	4	Capscrew M8 x 50	
42	4032014	4	Capscrew M10 x 50	
43	4240099	AR	Tie-Strap (Not Shown)	
44	4640751	1	Valve, Oil Drain	
45	4711400	31	Washer 1/4	
46	4711500	4	Washer 5/16	
47	4711600	8	Washer 3/8	
48	4750400	3	Washer #4	
49	4751500	12	Washer 5/16	
50	4751600	14	Washer 3/8	
51	4751700	2	Washer 7/16	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	4811702	2	Washer M6	
53	4811900	4	Washer M8	
54	4812100	7	Washer M12	
55	4812200	2	Washer M14	
56	4891500	1	Washer 5/16 Hardened	
57	4891600	2	Washer 3/8 Hardened	
58	4891800	1	Washer 1/2 Hardened	
60	8405007	2	Clamp	
61	8405009	4	Clamp	
62	8405104	4	Clamp	
63	8405204	2	Clamp	
65	8406110	2	Clip	
66	8406201	1	Clip	
67	8410011	2	Clamp	
68	8410013	1	Clamp	
69	91403244	1	Hose	
70	1001117308	1	Relay	
72	1001135138	1	Adapter	
73	1001135679	1	Adapter	
75	1001136834	1	Cap, Tank	
76	1001137276	1	Fan	
77	1001138170	2	Mount, Motor	
78	1001138173	1	Support	
79	1001138175	1	Bracket	
80	1001138228	1	Relay, Power Module	
80	70023593	1	Fuse 30Amp (Battery Output)	
80	70023592	1	Fuse 20Amp (Switched Output)	
81	1001138248	67 in/1.7m	Tube	
82	1001138557	1	Clamp	
85	1001139240	1	Bracket	
86	1001139409	1	Washer, Special	
87	1001139429	2	Washer, Special	
88	1001249942	1	Deutz TD2.9L4 Engine Components (See Separate Breakdown in this Section)	
89	1001140454	1	Mount, Front Engine	
91	1001230635	1	Tank	
91A	1001134488	1	Fitting, 90 Barbed	
91B	1001138827	1	Sensor, Coolant Level	
91C	1001140564	1	Fitting, 90 Barbed	
93	1001141304	1	Harness, Glow Plug	
94	1001141585	1	Hose, Air Inlet	
95	1001141995	1	Fitting, Straight Barbed	
97	1001142538	1	Support	
98	1001142615	1	Air Cleaner Assembly Filter Element	
98	91403102	1	Element, Filter (Not Shown)	
99	1001142623	1	Hose, Inlet	
100	1001142635	1	Mount, Rear Engine	
101	1001205051	1	Mount, Rear Engine	
102	1001142689	1	Pipe, Exhaust	
103	1001143390	1	Indicator, Service	
104	1001143797	1	Fitting, Straight Barbed	
105	1001143907	1	Cable, Alternator Power	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106	1001144409	1	Panel, Rubber	
107	1001144410	1	Bracket, Panel Clamp	
108	1001144411	1	Bracket, Panel Clamp	
109	1001144412	1	Bracket, Panel Clamp	
110	1001145154	1	Plate, Relay Mounting	
111	1001152489	1	Fitting, 90 Barbed	
112	1001165842	1	Pipe	
113	1001169138	4	Washer	
114	1001204325	2	Bracket	
115	1001176225	1	Hose, Radiator - Upper	
116	1001176226	1	Hose, Radiator - Lower	
117	1001260413	1	Bracket, Tank	
118	1001176511	1	Hose	
119	1001176723	1	Plate Radiator Mounting	
120	1001178223	2	Bracket	
121	1001180620	AR	Adhesive	
122	1001181899	1	Clamp	
123	1001140312	1	Heater, Engine Block	
124	1001143726	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
126	1001167041	1	Radiator & Shroud Assembly	
126	1001203495	1	Radiator	
126	1001204491	1	Shroud	
127	2720340	6 in /15cm	Hose	
128	4060805	14 in / 36cm	Flex-Trim	
129	1001181895	AR	Adhesive	
130	4811902	8	Washer M8	
131	1001169054	4	Isolator	
132	1001177359	1	Hose	
134	1001178876	1	Mount	
135	5250810	2	Bolt M8 x 20	
136	4812000	8	Washer M10	
137	0761015	2	Bolt M10 x 35	
138	3291005	2	Nut M10	
139	3520054	1	Plug	
140	0681608	1	Bolt 3/8 x 1 Grade 8	
141	1001260412	1	Bracket	
142	1001162335	1	Bracket, Fuel Pump/Filter Assembly (Not Shown - See Separate Breakdown in this Section)	

FIGURE 3-30. DEUTZ TD2.9L4 - 63HP ENGINE COMPONENTS

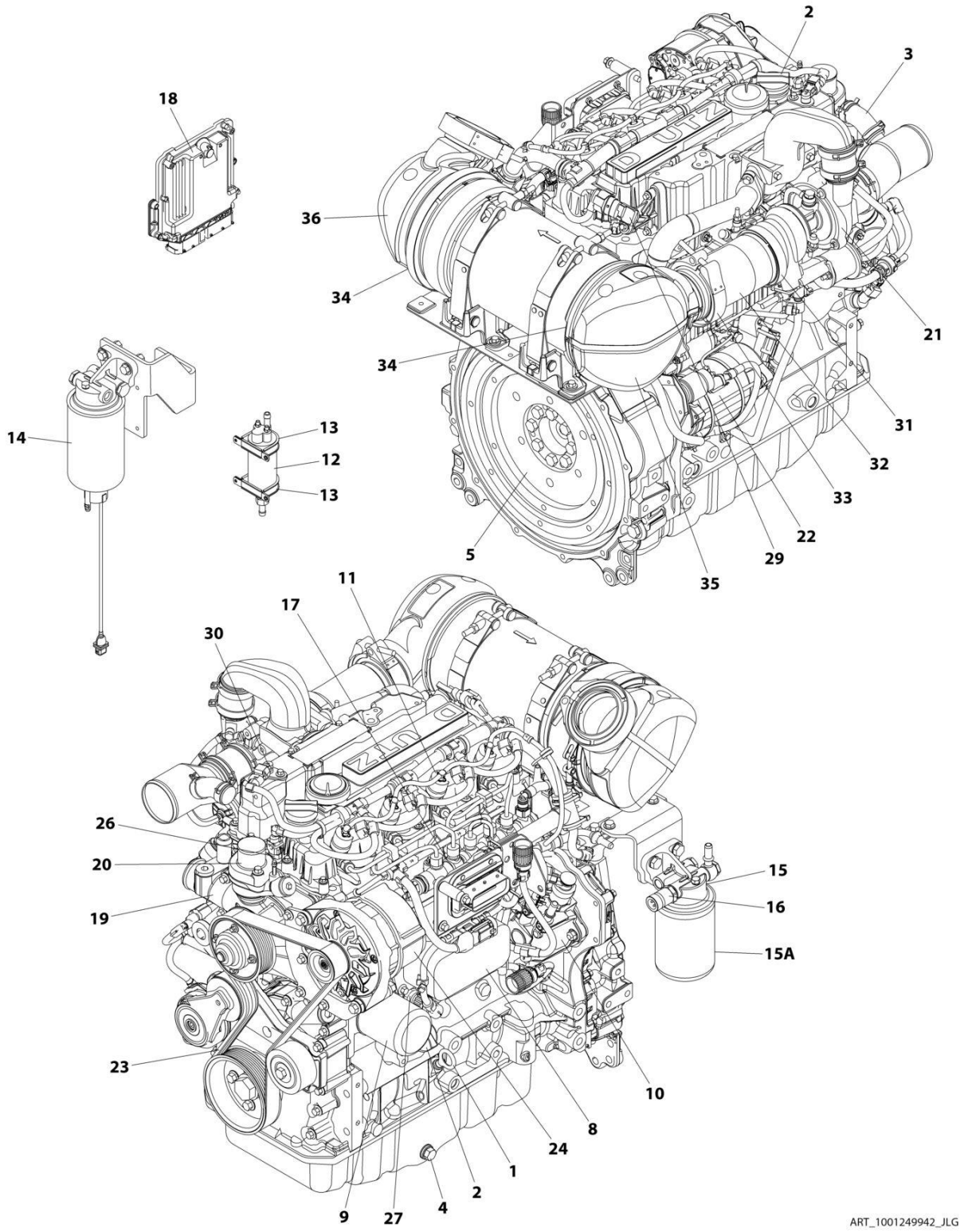


FIGURE 3-30. DEUTZ TD2.9L4 - 63HP ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249942	Ref	ENGINE COMPONENTS - DEUTZ TD2.9L4	A
1	70024904	1	Dipstick	
1	70024905	1	Seal	
2	7020465	2	Cap, Oil Fill	
3	70025111	2	Clamp	
3	70005920	1	Hose, Breather	
4	70005941	2	Plug	
4	70005942	2	Seal	
5	70001870	1	Flywheel with Ring Gear	
5	7024579	1	Gear, Ring	
6		Ref	Gasket and Seal Options (Not Shown)	
6	70004279	1	Gasket Kit	
6	70024906	1	Gasket, Head	
6	70025205	1	Gasket, Small Valve Cover	
6	70005171	1	Gasket, Large Valve Cover	
6	70005176	1	O-Seal, Valve Cover to Air Charge Elbow	
6	70005177	1	Gasket, Air Charge Pipe to Head	
6	70031095	3	Gasket, Air Charge Pipe & EGR Pipe	
6	70025164	1	Gasket, Exhaust Manifold to Head	
6	70007354	1	Gasket, EGR Pipe to EGR Valve	
6	70007326	1	Gasket, EGR Valve to Housing	
7	70005172	1	Pump, Oil Lube (Not Shown - Located Front Left Side)	
7	70025135	1	O-Ring	
7	70005173	1	Gasket	
8	70024494	1	Cooler, Oil	
8	70024925	1	Gasket	
9	7016331	1	Filter, Oil	
10	70024924	1	Pump, High Pressure (Not Shown - Located Front Left Side)	
10	70025152	1	O-Ring (Between Pump and Spacer)	
10	70024517	1	O-Ring (Between Spacer and Engine Block)	
10	70004505	1	Valve, Overflow	
10	70004506	1	O-Ring	
10	70004507	1	O-Ring	
10	70004508	1	Valve, Volume Control	
10	70004509	1	O-Ring	
10	70004510	1	O-Ring	
11	70025181	4	Injector Fuel	
11	70025140	4	Washer, Sealing	
11	70025146	4	Clamp (Top of Injector)	
11	70025145	4	O-Seal	
11	70025154	4	Shoe, Clamping	
11	70000345	4	Plug, Glow	
11	70025231	1	Harness, Glow Plug (Not Shown)	
12	70006144	1	Pump, Fuel	
13	70025144	2	Clamp	
14	70024961	1	Filter, Fuel	
14	70025153	1	Element, Filter	
14	70024513	1	Cable, Sensor	
14	70025239	1	Seal	
15	70029451	1	Filter With Head	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
15A	70025161	1	Filter, Fuel	
16	70028538	1	Sensor, Pressure	
16	70024920	1	Seal	
17	70025151	1	Rail, Fuel	
17	70025235	1	Repair Kit	
17	70025182	1	Line, Fuel (Cylinders 1 & 2)	
17	70025183	1	Line, Fuel (Cylinders 3 & 4)	
17	70025184	1	Line, Fuel (To Rail)	
18	70025210	1	ECU (Engine Control Unit)	
19	70029797	1	Pump, Water	
19	70025200	1	Seal	
19	70007325	1	Gasket	
20	70005929	1	Thermostat	
20	70005184	1	O-Seal	
20	70025142	1	Cover, Thermostat	
20	70005931	1	Gasket	
21	70004276	1	Turbocharger	
21	70024912	1	Gasket, Square	
21	70024509	1	Gasket, Return Line	
21	70006294	1	O-Seal	
22	70024915	1	Starter	
22	70005648	1	Relay	
22	70005647	1	Solenoid	
23	70004277	1	Belt Drive	
24	70006652	1	Alternator	
24	70006653	1	Regulator, Voltage	
25	70007489	1	Harness, Engine (Not Shown)	
26	70028540	1	Sender, Temperature	
27	70028538	1	Sensor, Pressure	
27	70024920	1	Seal	
28	70026210	2	Sensor, Speed (Not Shown - Located Left Side Front and Flywheel Housing)	
28	70024917	1	Seal (Cam Shaft Speed Sensor)	
28	70005191	1	Seal (Flywheel Shaft Speed Sensor)	
29	70024507	1	Sensor, Pressure	
29	70025120	1	Seal	
30	70024922	1	Sender, Temperature	
30	70025212	1	O-Seal	
31	70005527	1	Clamp	
31	70025788	1	Nut	
32	70004504	1	Compensator	
33	70025242	1	Gasket	
33	70029433	1	Clamp	
34	70029517	2	Clamp	
34	70029520	2	Gasket	
35	70007355	1	Inlet	
36	70007331	1	Outlet	

FIGURE 3-31. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)

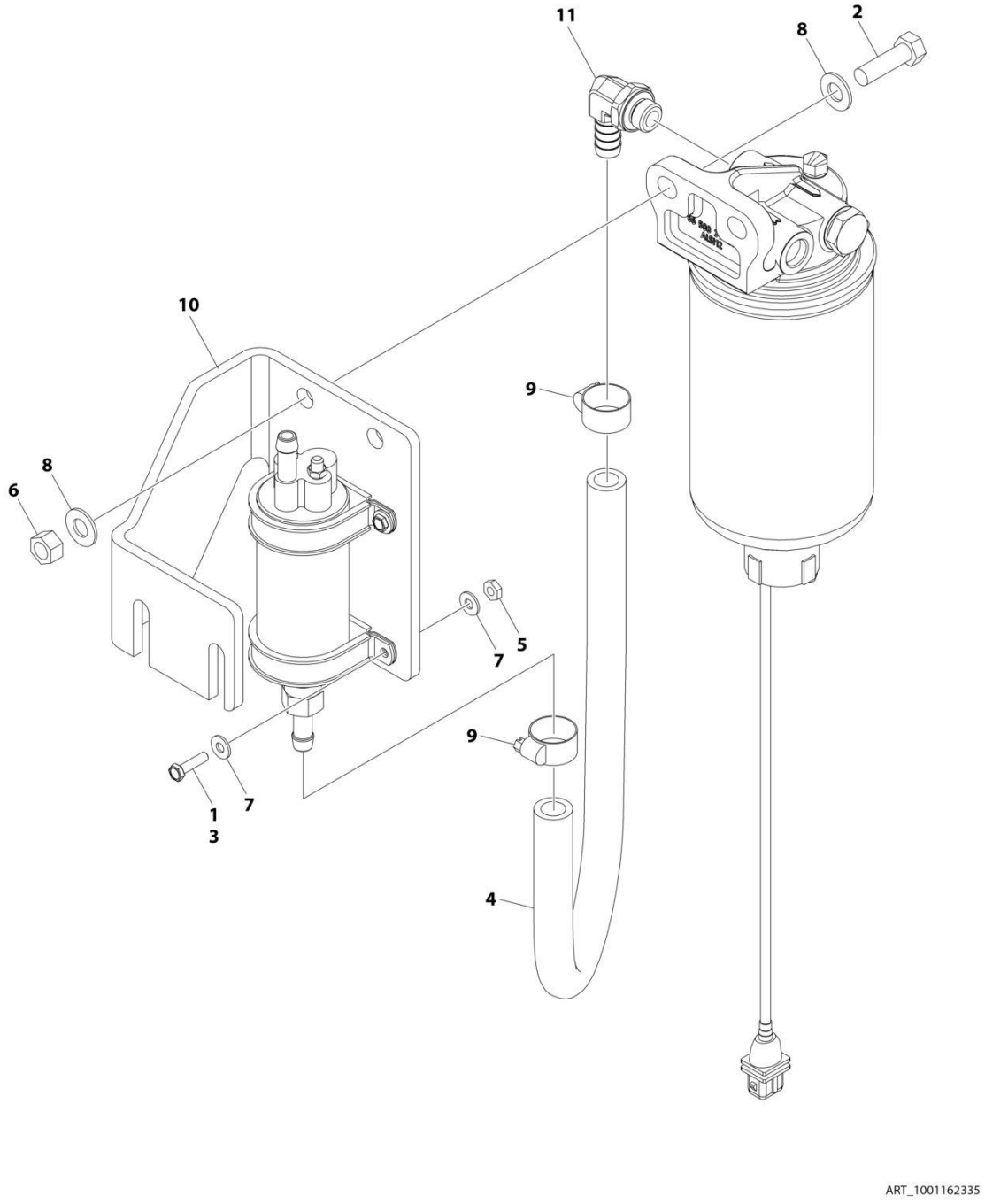


FIGURE 3-31. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)

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 3-32. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINES WITH ARCTIC PACKAGE

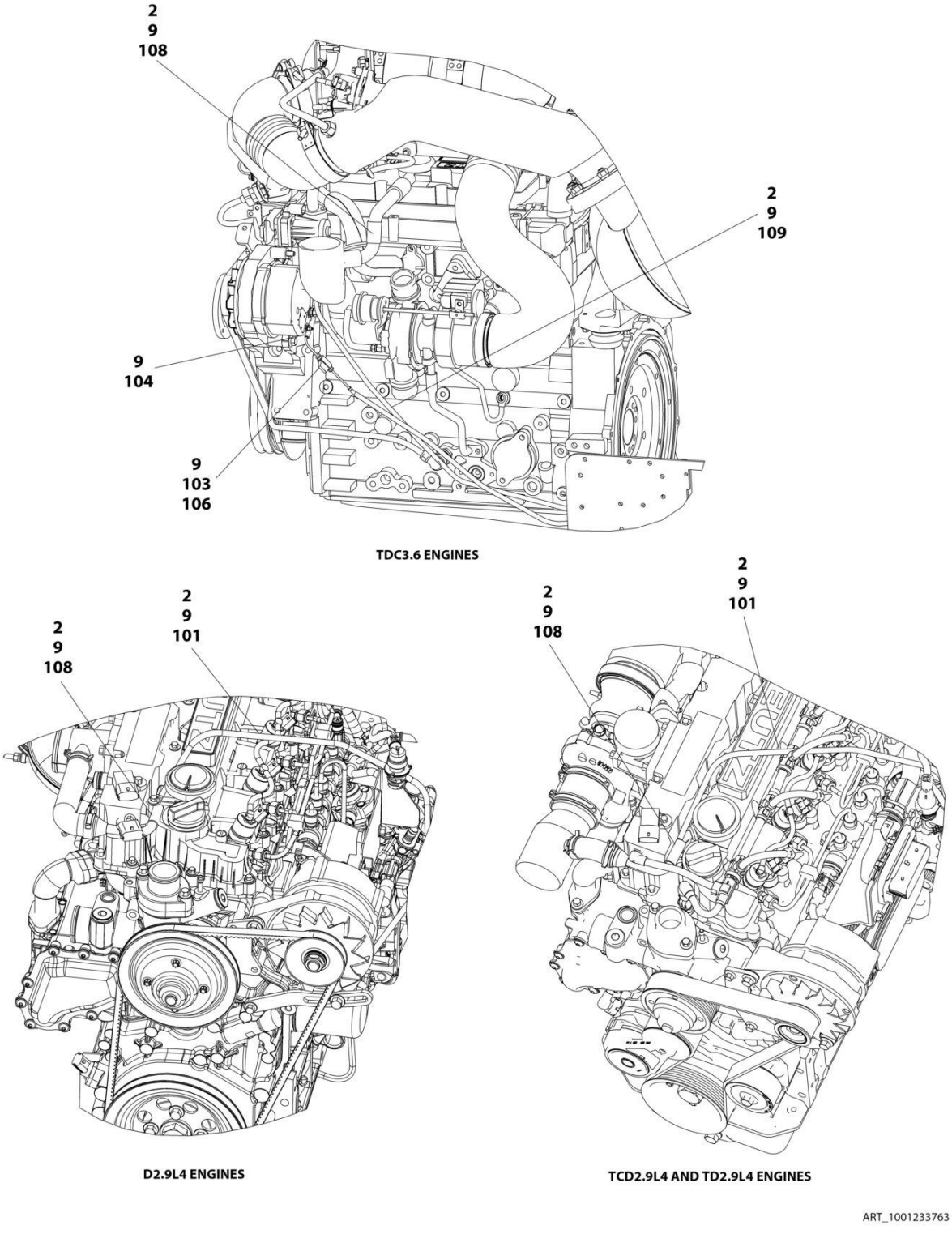


FIGURE 3-32. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINES WITH ARCTIC PACKAGE

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 3-33. QUICKFIT OIL DRAIN (DEUTZ TD 2.9L)

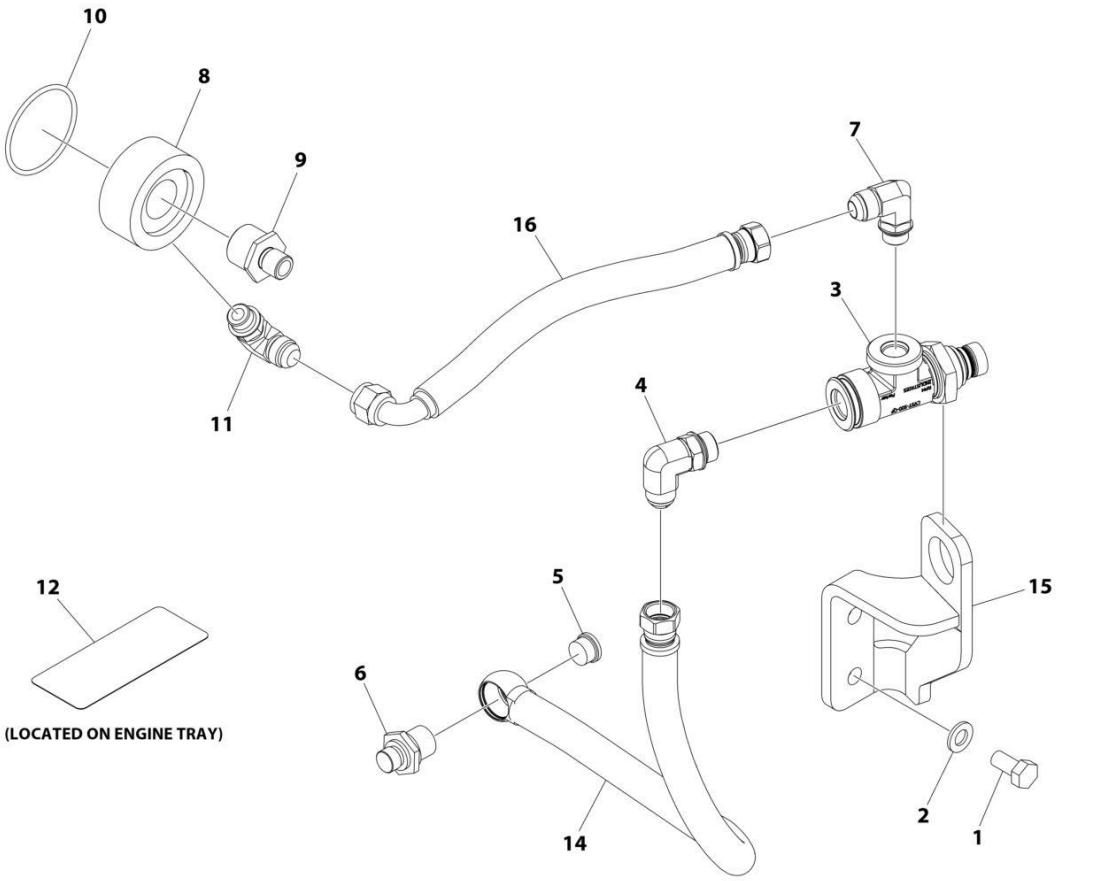


FIGURE 3-33. QUICKFIT OIL DRAIN (DEUTZ TD 2.9L)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285349	Ref	QUICKFIT OIL VALVE	A
1	0761212	2	Bolt M12 x 25	
2	4812100	2	Washer M12	
3	1001281298	1	Valve, Quickfit	
4	1001281301	1	Fitting, 90	
5	1001281304	1	Plug	
6	1001281305	1	Fitting, Banjo	
7	1001281307	1	Fitting, 90	
8	1001281309	1	Filter, Ring	
9	1001281310	1	Fitting, Straight	
10	1001281311	1	O-Ring	
11	1001281359	1	Valve, Check	
12	1001281360	1	Decal - RPM Quickfit	
13	1001281656	1	Tie-Strap (Not Shown)	
14	1001284101	1	Hose	
15	1001287536	1	Bracket	
16	1001288113	1	Hose	

FIGURE 3-34. QUICKFIT OIL DRAIN (DEUTZ D ENGINES)

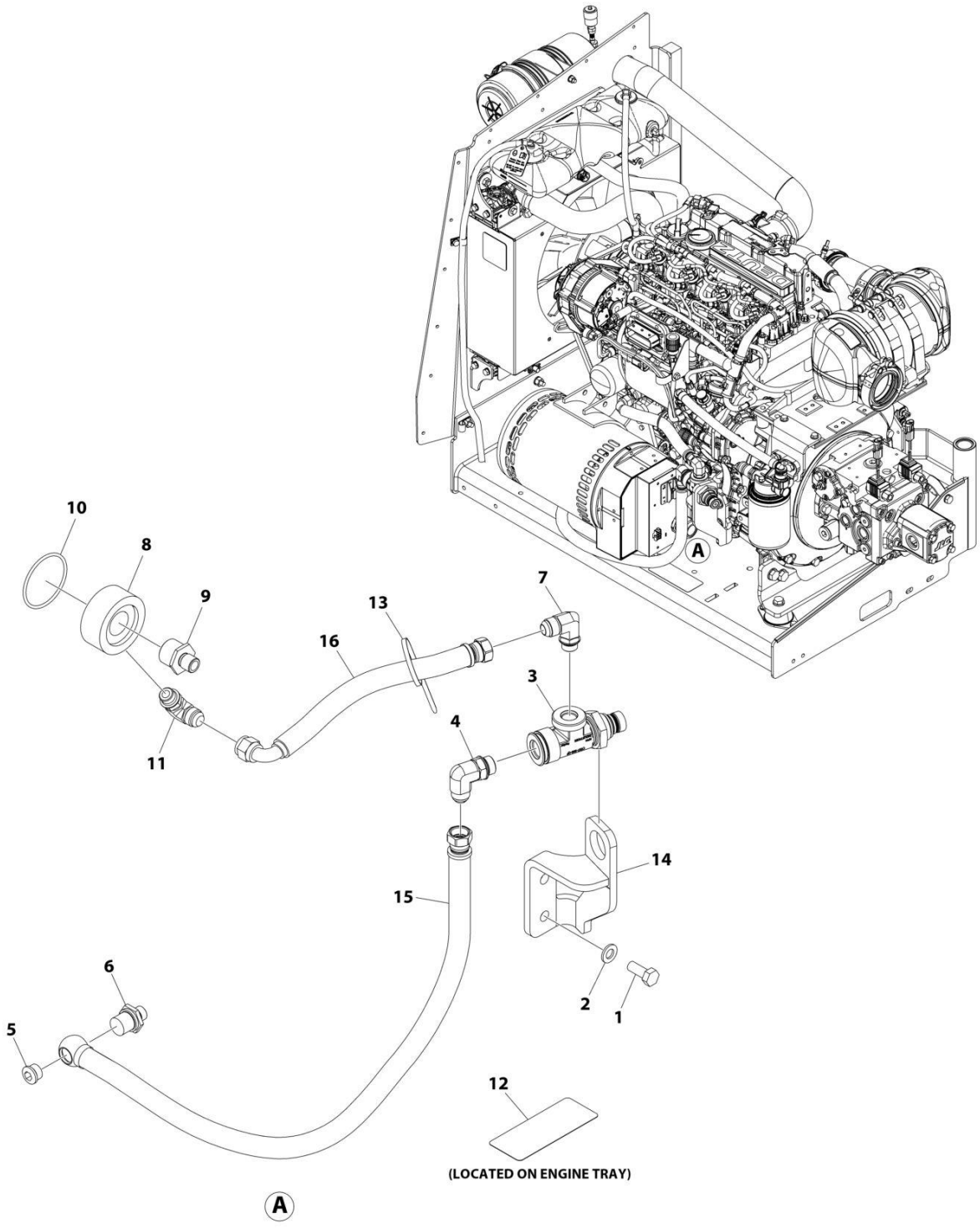
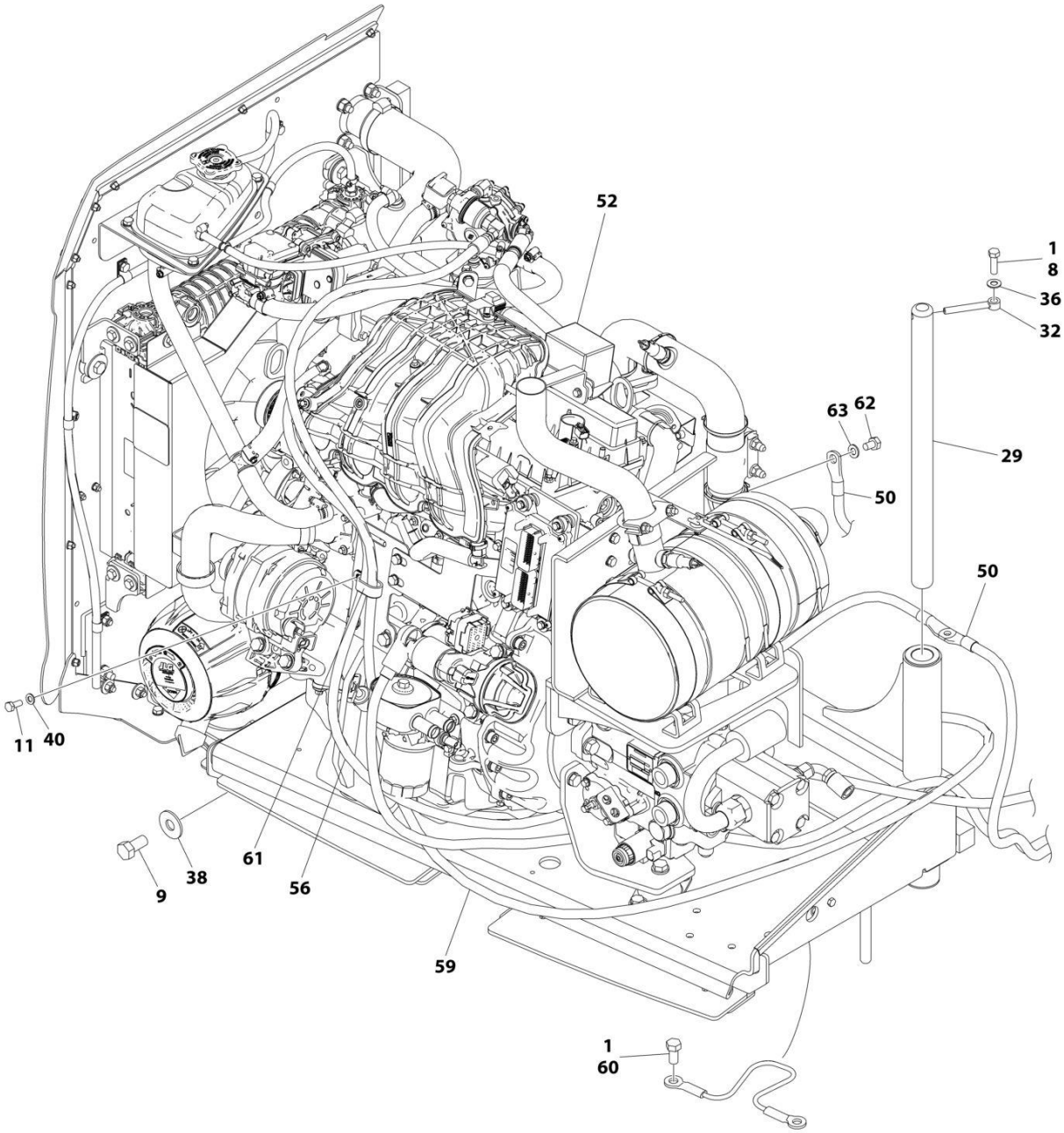
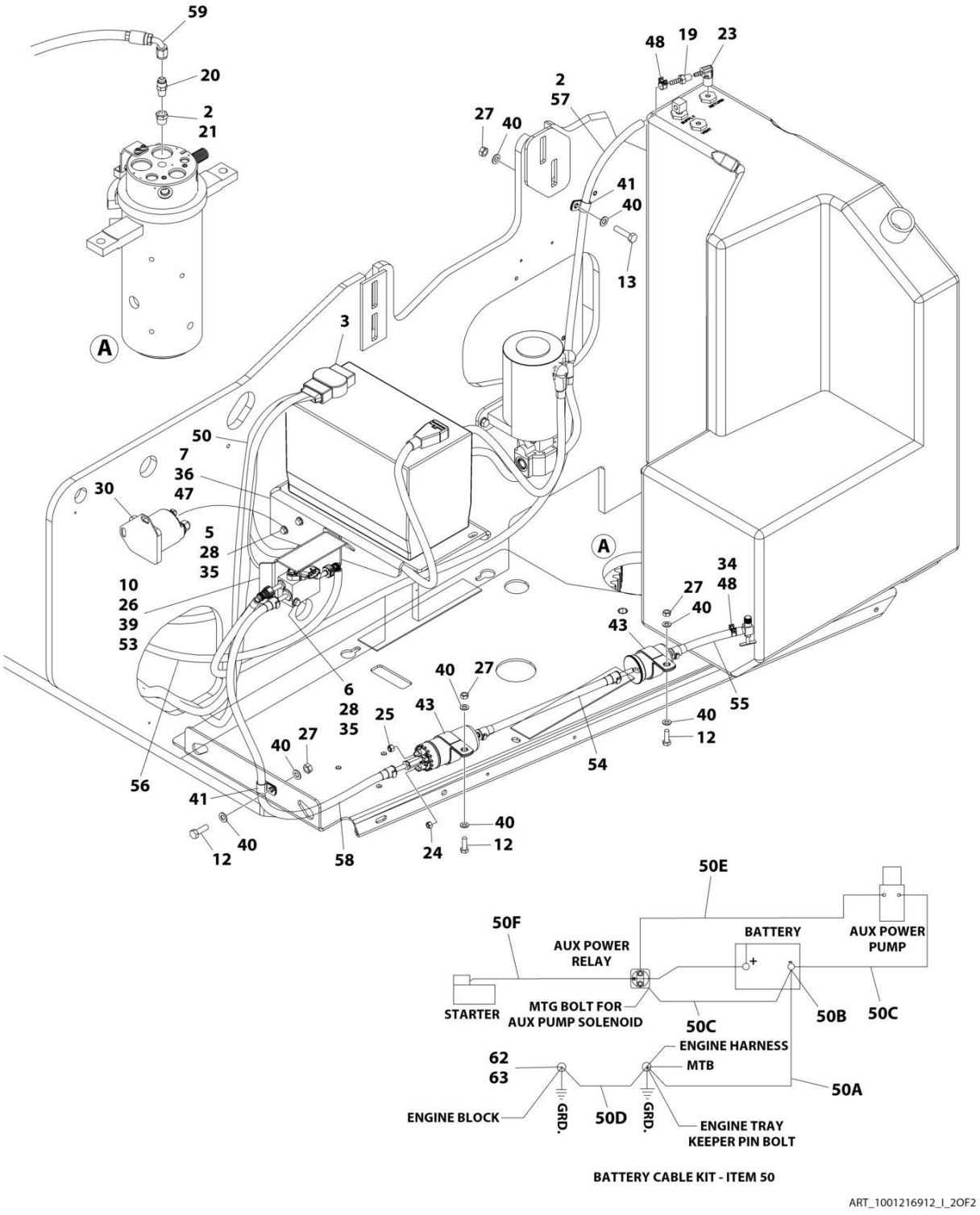


FIGURE 3-34. QUICKFIT OIL DRAIN (DEUTZ D ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285636	Ref	QUICKFIT OIL DRAIN INSTALLATION	A
1	0761214	2	Bolt M12 x 30	
2	4812100	2	Washer M12	
3	1001281298	1	Valve, Quickfit	
4	1001281301	1	Fitting, 90	
5	1001281304	1	Plug	
6	1001281305	1	Fitting, Banjo	
7	1001281307	1	Fitting, 90	
8	1001281309	1	Filter, Ring	
9	1001281310	1	Fitting, Straight	
10	1001281311	1	O-Ring	
11	1001281359	1	Valve, Check	
12	1001281360	1	Decal - RPM Quickfit	
13	1001281656	1	Tie-Strap	
14	1001287536	1	Bracket	
15	1001287552	1	Hose	
16	1001288113	1	Hose	

FIGURE 3-35. FORD ENGINE INSTALLATION - WITHOUT ARCTIC PACKAGE





BATTERY CABLE KIT - ITEM 50

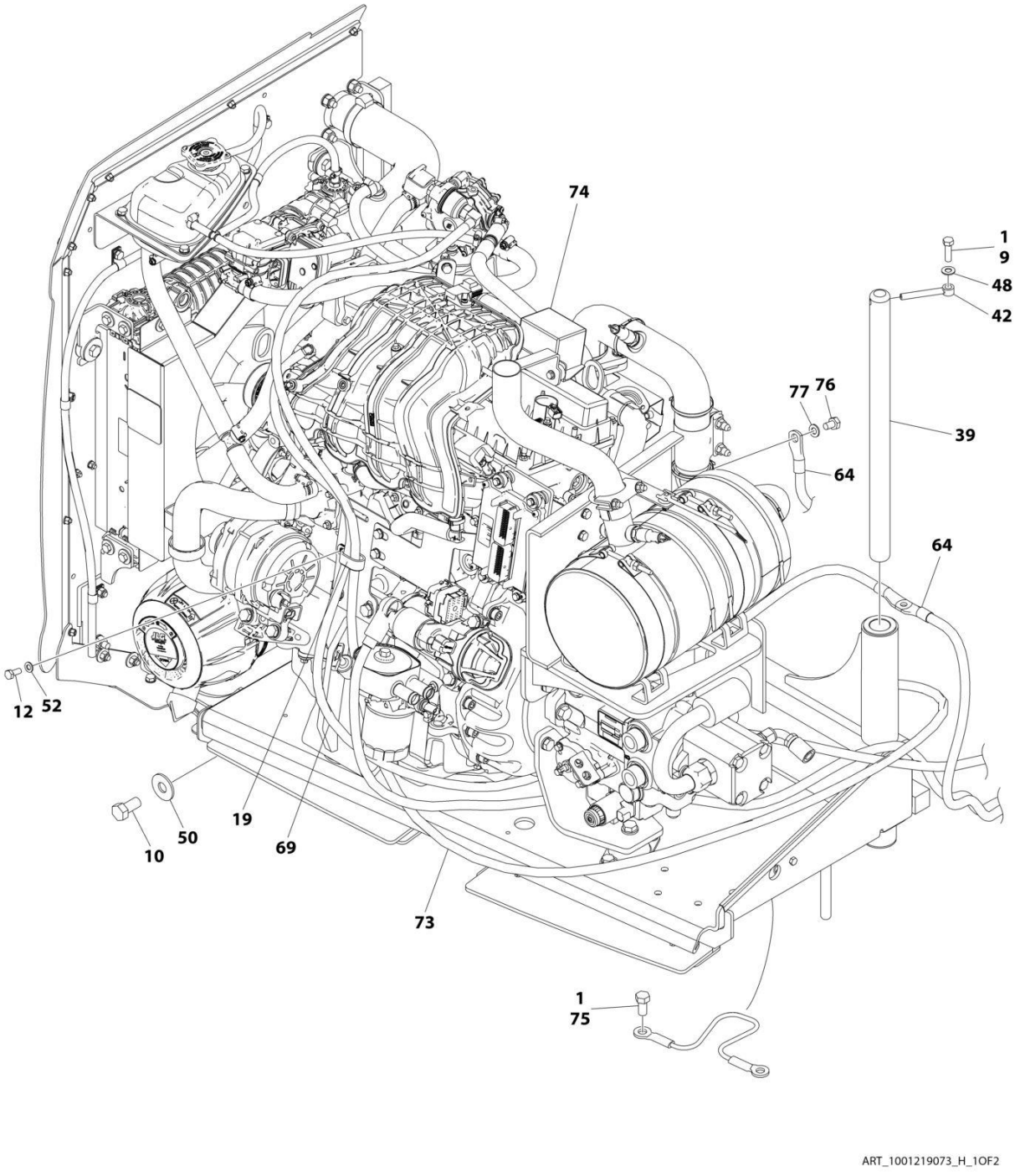
ART_1001216912_I_2OF2

FIGURE 3-35. FORD ENGINE INSTALLATION - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216912	Ref	FORD ENGINE INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100048	AR	Grease, Terminal	
5	0641406	2	Bolt 1/4 x 3/4	
6	0641416	2	Bolt 1/4 x 2	
7	0641607	3	Bolt 3/8 x 7/8	
8	0641612	1	Bolt 3/8 x 1-1/2	
9	0642010	1	Bolt 5/8 x 1-1/4	
10	0760612	2	Bolt M6 x 25	
11	0760810	1	Bolt M8 x 20	
12	0760812	3	Bolt M8 x 25	
13	0760815	1	Bolt M8 x 35	
17	1701542	1	Decal - Gas (Not Shown)	
18	1701543	2	Decal - LPG (Not Shown)	
19	2180348	1	Fitting, Straight NPT/Barbed	
20	2180418	1	Fitting, Straight	
21	2221197	1	Fitting, Straight NPT	
23	2221176	1	Fitting, 90	
24	3290405	1	Nut M4	
25	3290505	1	Nut M5	
26	3290605	2	Nut M6	
27	3290801	4	Nut M8	
28	3311405	4	Nut 1/4	
29	3422448	1	Pin	
30	3740067	1	Relay	
31	3790012	1	O-Ring (Not Shown - Located on Platform Console Box)	
32	3841143	1	Keeper, Pin	
33	4360336	1	Switch, Toggle (Not Shown - Located on Platform Console Box)	
34	1001221488	1	Tube, Fuel Line	
35	4711400	6	Washer 1/4	
36	4711600	4	Washer 3/8	
38	4752000	1	Washer 5/8	
39	4811702	4	Washer M6	
40	4811900	9	Washer M8	
41	8406101	2	Clip	
43	85941018	2	Clamp	
47	1001137868	1	Bracket, Battery	
48	1001174486	2	Clamp	
50	1001215142	1	Battery Cable Kit	C
50A	7027073	1	Cable, Battery - Ground to Battery -	
50B	8270147	1	Terminal, Battery with Boot	
50C	7027072	1	Cable, Battery - Auxiliary Pump/Relay to Battery -	
50D	70009018	1	Cable, Battery - Engine to Ground	
50E	7027075	1	Cable, Battery - Auxiliary Relay to Auxiliary Pump	
50F	70009019	1	Cable, Battery - Starter/Auxiliary Relay to Battery +	
52	1001216911	1	Engine Assembly with Pumps (See Separate Breakdown in this Section)	
53	1001217645	1	Bracket	
54	1001217418	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
55	1001217419	1	Hose	
56	1001217420	1	Hose	
57	1001217421	1	Hose	
58	1001217422	1	Hose	
59	1001284763	1	Hose	
60	0641808	1	Bolt 1/2 x 1	
61	1321283	1	Clamp	
62	0761008	1	Bolt M10 x 16	
63	4812000	1	Washer M10	

FIGURE 3-36. FORD ENGINE INSTALLATION - WITH ARCTIC PACKAGE



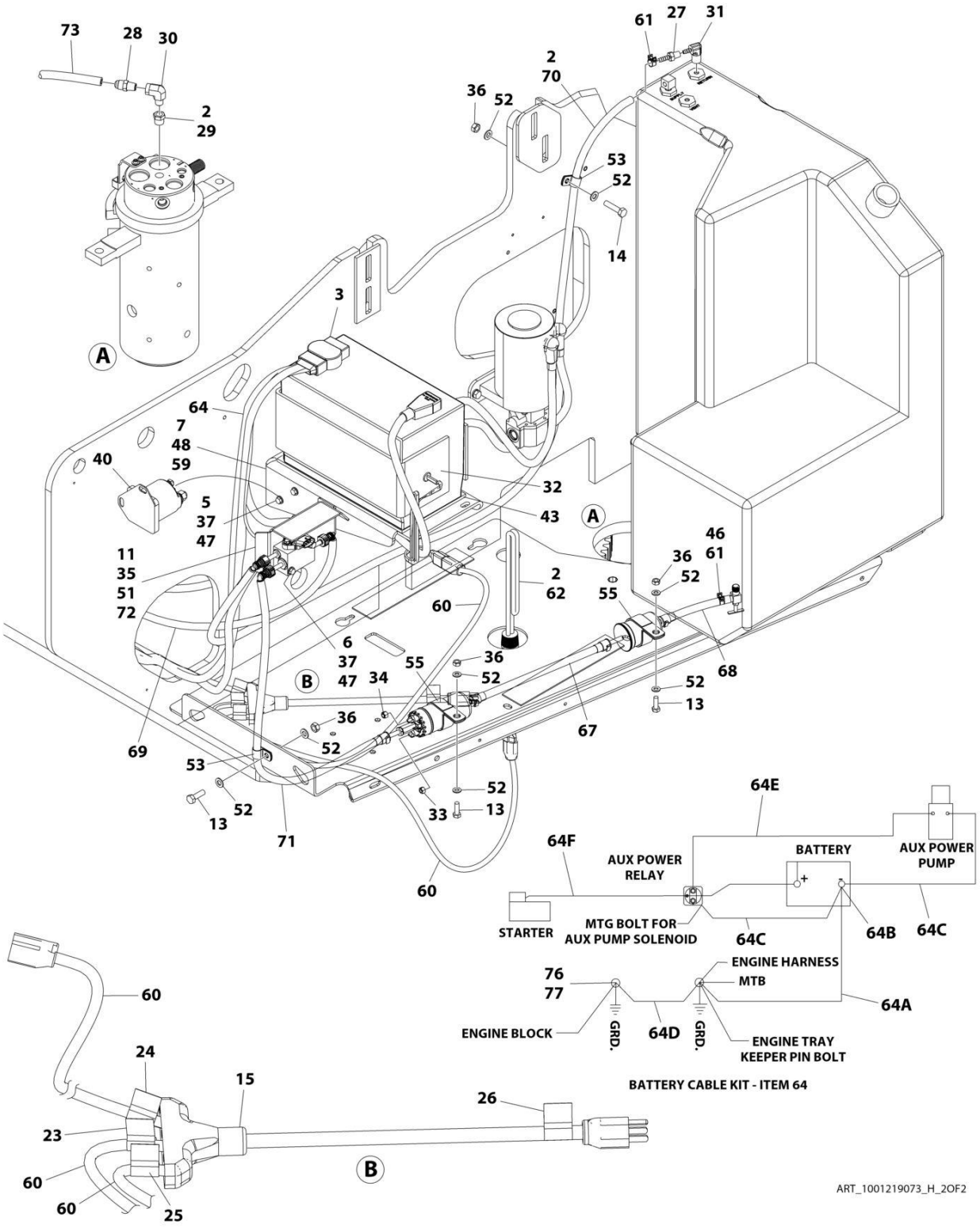

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64E
64F
AUX POWER
RELAY
BATTERY
AUX POWER
PUMP
STARTER
MTG BOLT FOR
AUX PUMP SOLENOID
64C
64B
64C
ENGINE HARNESS
76
77
MTB
64A
ENGINE BLOCK
GRD.
64D
GRD.
ENGINE TRAY
KEEPER PIN BOLT
BATTERY CABLE KIT - ITEM 64
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26
23
60
60
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B
ART_1001219073_H_2OF2

FIGURE 3-36. FORD ENGINE INSTALLATION - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219073	Ref	FORD ENGINE INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100048	AR	Grease, Terminal	
5	0641406	2	Bolt 1/4 x 3/4	
6	0641416	2	Bolt 1/4 x 2	
7	0641607	3	Bolt 3/8 x 7/8	
9	0641612	1	Bolt 3/8 x 1-1/2	
10	0642010	1	Bolt 5/8 x 1-1/4	
11	0760612	2	Bolt M6 x 25	
12	0760810	1	Bolt M8 x 20	
13	0760812	3	Bolt M8 x 25	
14	0760815	1	Bolt M8 x 35	
15	1060626	1	Plug, 3 Way	
19	1321283	1	Clamp	
21	1701542	1	Decal - Gas (Not Shown)	
22	1701543	2	Decal - LPG (Not Shown)	
23	1702941	1	Decal - Battery Heater	
24	1702942	1	Decal - Engine Block Heater	
25	1702943	1	Decal - Hydraulic Tank Heater	
26	1702944	1	Decal - Heater Cord	
27	2180348	1	Fitting, Straight NPT/Barbed	
28	2180418	1	Fitting, Straight	
29	2221197	1	Fitting, Straight NPT	
30	1001247359	1	Fitting, Straight	
31	2221176	1	Fitting, 90	
32	2580024	1	Heater, Battery	
33	3290405	1	Nut M4	
34	3290505	1	Nut M5	
35	3290605	2	Nut M6	
36	3290801	4	Nut M8	
37	3311405	4	Nut 1/4	
39	3422448	1	Pin	
40	3740067	1	Relay	
41	3790012	1	O-Ring (Not Shown - Located on Platform Console Box)	
42	3841143	1	Keeper, Pin	
43	3980007	1	Seal, Battery	
44	4240099	AR	Tie-Strap (Not Shown)	
45	4360336	1	Switch, Toggle (Not Shown - Located on Platform Console Box)	
46	1001221488	1	Tube, Fuel Line	
47	4711400	6	Washer 1/4	
48	4711600	4	Washer 3/8	
50	4752000	1	Washer 5/8	
51	4811702	4	Washer M6	
52	4811900	9	Washer M8	
53	8406101	2	Clip	
55	85941018	2	Clamp	
59	1001137868	1	Bracket, Battery	
60	1001150918	1	Cable, Immersion Heater	
61	1001174486	2	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
62	1001188972	1	Heater, Hydraulic Tank	
64	1001215142	1	Battery Cable Kit	C
64A	7027073	1	Cable, Battery - Ground to Battery -	
64B	8270147	1	Terminal, Battery with Boot	
64C	7027072	1	Cable, Battery - Auxiliary Pump/Relay to Battery -	
64D	70009018	1	Cable, Battery - Engine to Ground	
64E	7027075	1	Cable, Battery - Auxiliary Relay to Auxiliary Pump	
64F	70009019	1	Cable, Battery - Starter/Auxiliary Relay to Battery +	
67	1001217418	1	Hose	
68	1001217419	1	Hose	
69	1001217420	1	Hose	
70	1001217421	1	Hose	
71	1001217422	1	Hose	
72	1001217645	1	Bracket	
73	1001218638	1	Hose	
74	1001219072	1	Engine Assembly with Pumps (See Separate Breakdown in this Section)	
75	0641808	1	Bolt 1/2 x 1	
76	0761008	1	Bolt M10 x 16	
77	4812000	1	Washer M10	

FIGURE 3-37. FORD ENGINE/PUMP SUB-ASSEMBLY - WITHOUT ARCTIC PACKAGE

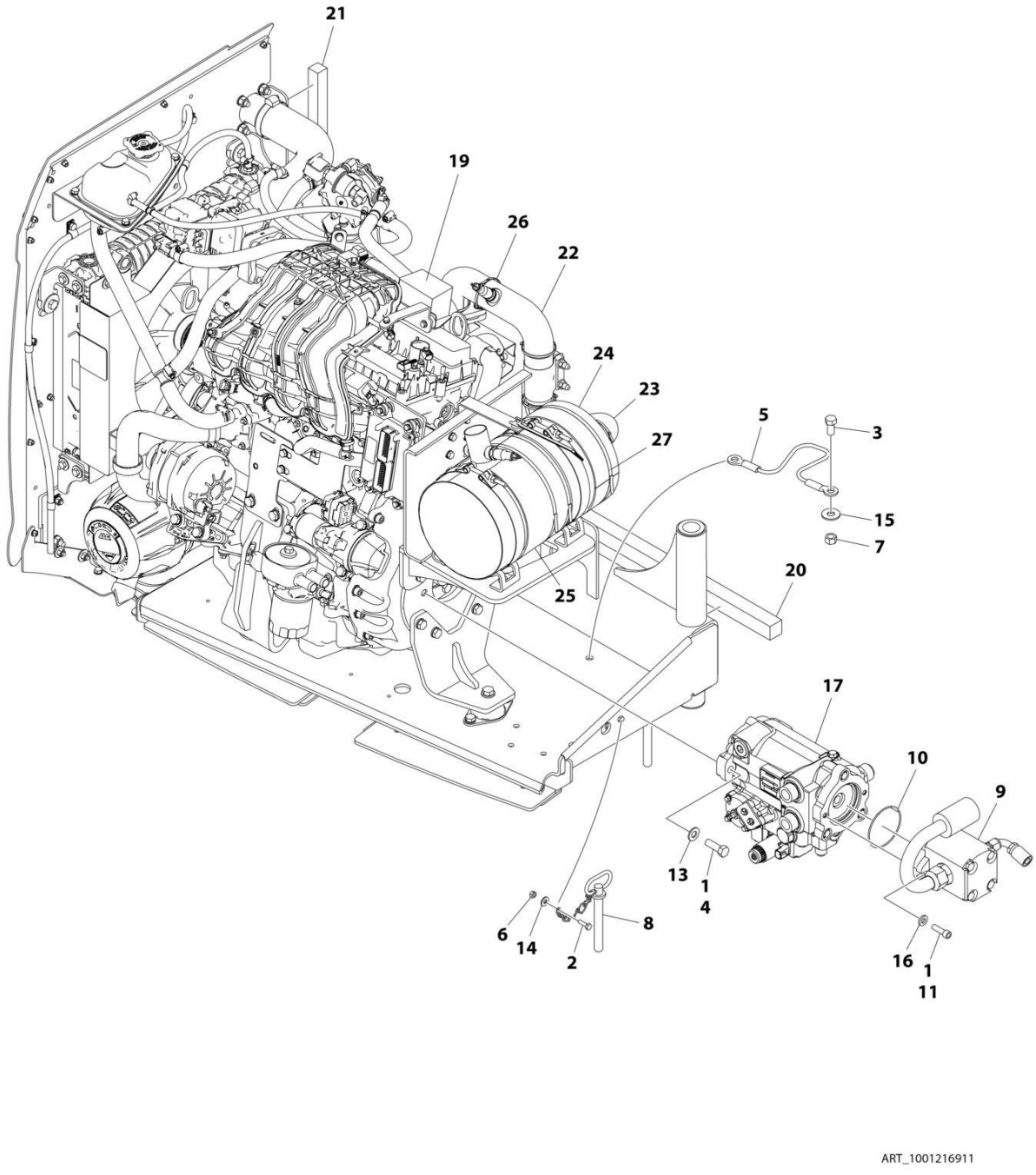


FIGURE 3-37. FORD ENGINE/PUMP SUB-ASSEMBLY - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216911	Ref	FORD ENGINE AND PUMP SUB-ASSEMBLY	F
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641808	1	Bolt 1/2 x 1	
4	0681812	2	Bolt 1/2 x 1-1/2	
5	1060637	1	Cable, Lanyard	
6	3311405	1	Nut 1/4	
7	3311805	1	Nut 1/2	
8	3422533	1	Pin	
9	3600395	1	Gear Pump and Fittings Assembly (See Separate Breakdown in this Section)	
10	3790152	1	O-Ring	
11	3931620	2	Capscrew 3/8 x 1-1/4	
13	4711800	2	Washer 1/2	
14	4751400	1	Washer 1/4	
15	4751800	1	Washer 1/2	
16	4891600	2	Washer 3/8	
17	1001188953	1	Piston Pump and Fitting Assembly (See Separate Breakdown in this Section)	
19	1001215413	1	Engine Assembly (See Separate Breakdown in this Section)	
20	1001217170	1	Seal	
21	1001217184	1	Seal	
22	1001216532	1	Insulate, Exhaust Pipe	
23	1001216533	1	Insulate, Exhaust Pipe	
24	1001216534	1	Insulate, Muffler	
25	1001216535	1	Insulate, Muffler	
26	1001100825	6	Strap	
27	1001221464	3	Strap	

FIGURE 3-38. FORD ENGINE/PUMP SUB-ASSEMBLY - WITH ARCTIC PACKAGE

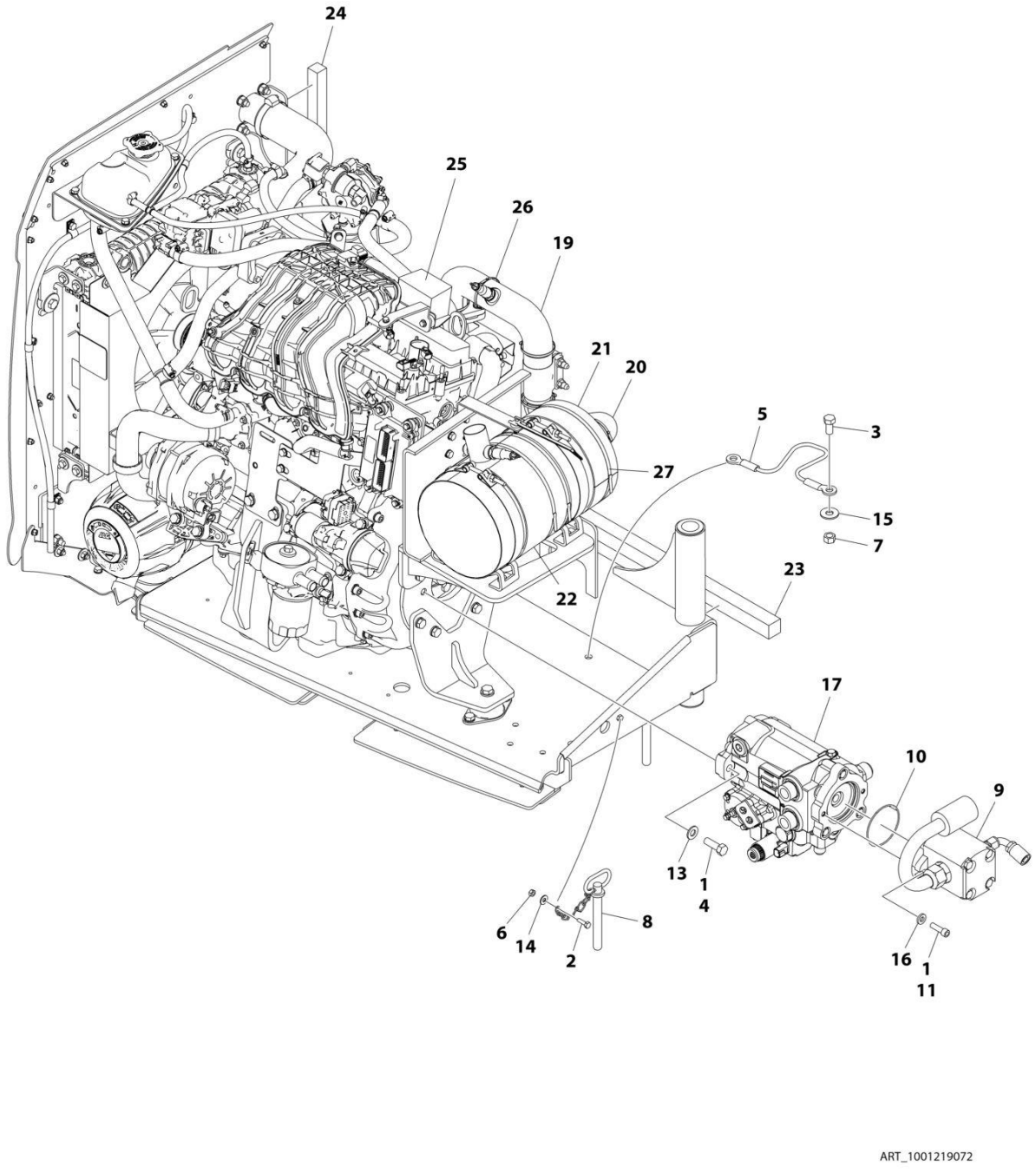
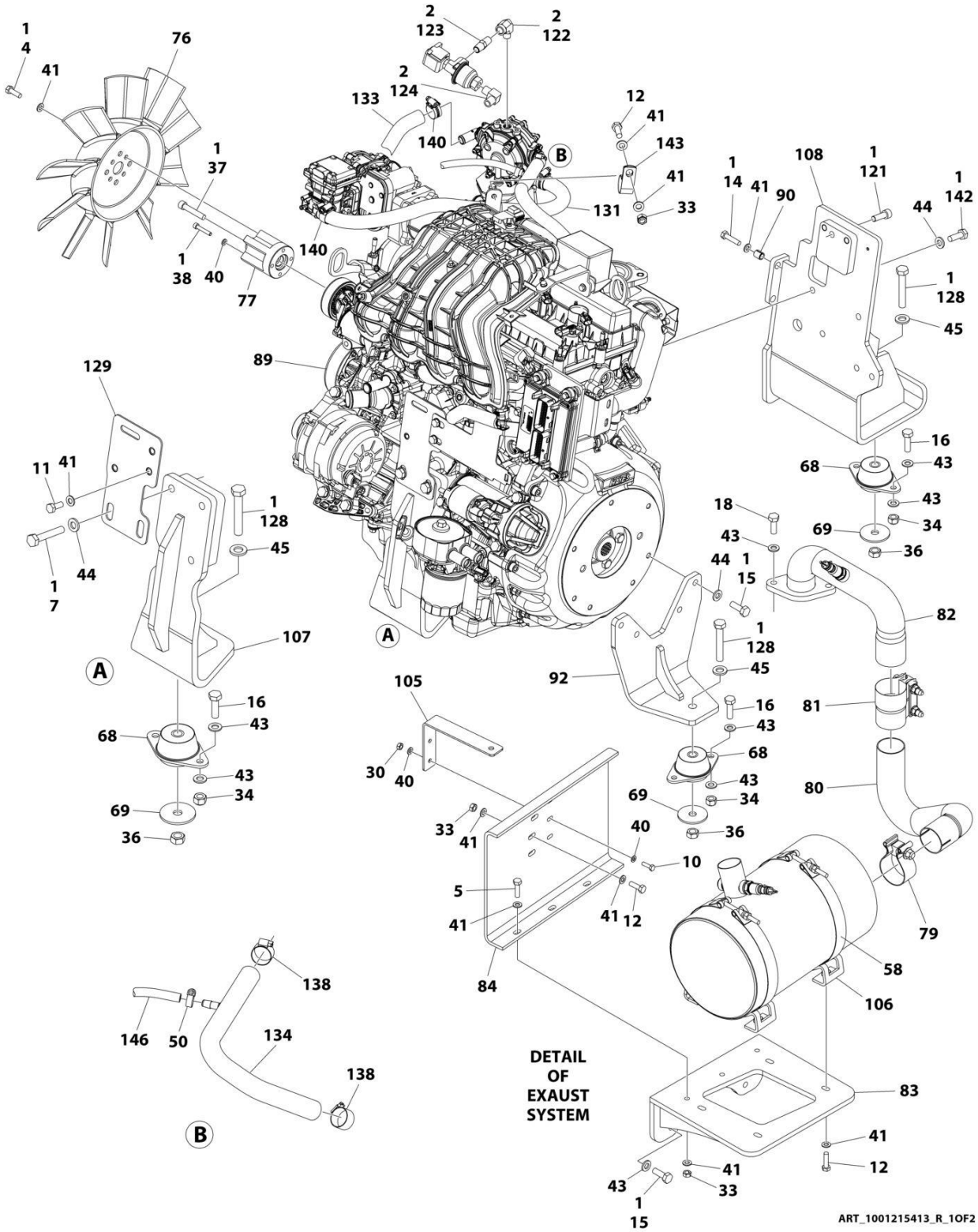


FIGURE 3-38. FORD ENGINE/PUMP SUB-ASSEMBLY - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219072	Ref	FORD ENGINE AND PUMP SUB-ASSEMBLY	E
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641808	1	Bolt 1/2 x 1	
4	0681812	2	Bolt 1/2 x 1-1/2	
5	1060637	1	Cable, Lanyard	
6	3311405	1	Nut 1/4	
7	3311805	1	Nut 1/2	
8	3422533	1	Pin	
9	3600395	1	Gear Pump and Fittings Assembly (See Separate Breakdown in this Section)	
10	3790152	1	O-Ring	
11	3931620	2	Capscrew 3/8 x 1-1/4	
13	4711800	2	Washer 1/2	
14	4751400	1	Washer 1/4	
15	4751800	1	Washer 1/2	
16	4891600	2	Washer 3/8	
17	1001188953	1	Piston Pump and Fitting Assembly (See Separate Breakdown in this Section	
19	1001216532	1	Insulate, Exhaust Pipe	
20	1001216533	1	Insulate, Exhaust Pipe	
21	1001216534	1	Insulate, Muffler	
22	1001216535	1	Insulate, Muffler	
23	1001217170	1	Seal	
24	1001217184	1	Seal	
25	1001219071	1	Engine Assembly (See Separate Breakdown in this Section)	
26	1001100825	6	Strap	
27	1001221464	3	Strap	

FIGURE 3-39. FORD ENGINE ASSEMBLY - WITHOUT ARCTIC PACKAGE



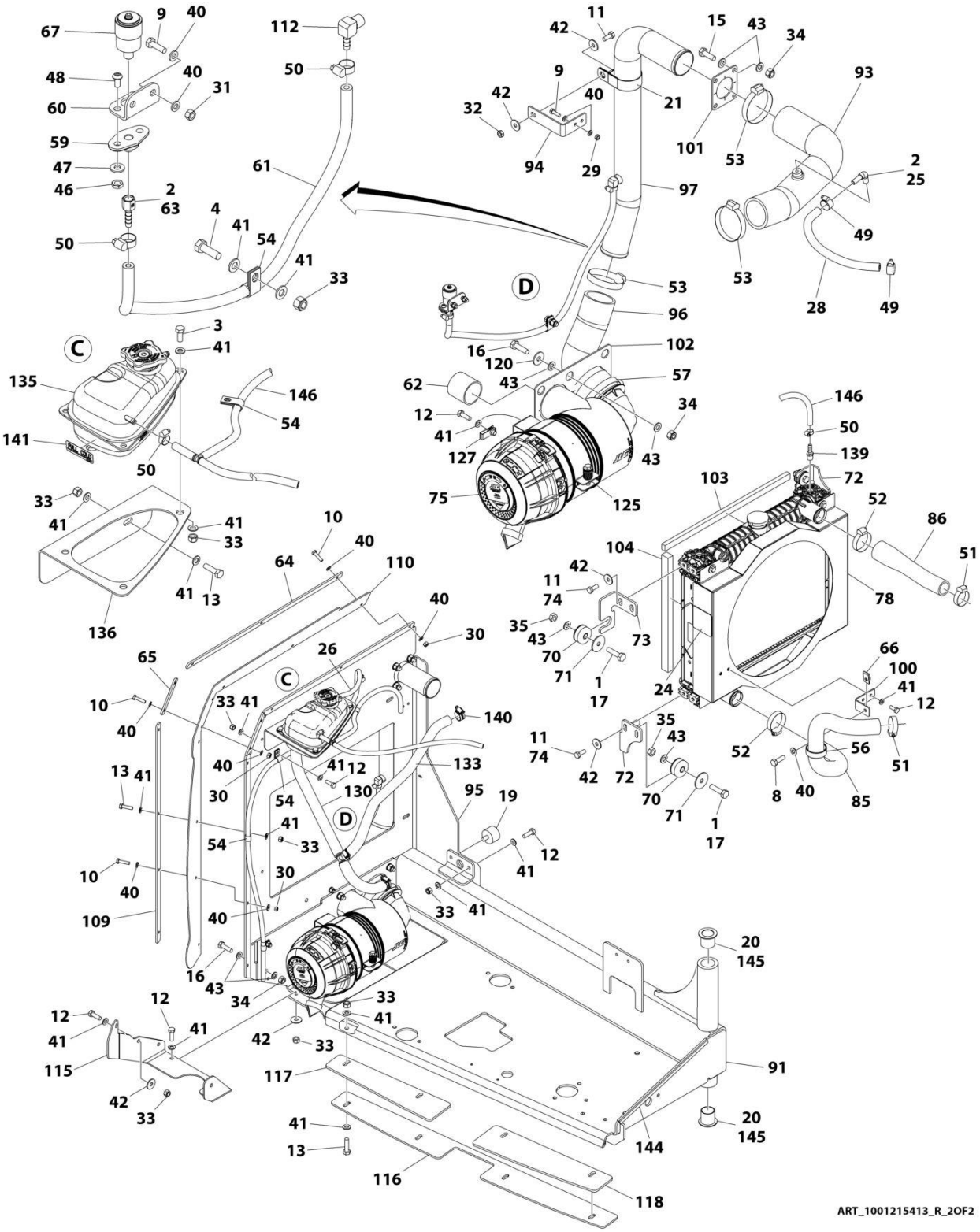

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FIGURE 3-39. FORD ENGINE ASSEMBLY - WITHOUT ARCTIC PACKAGE

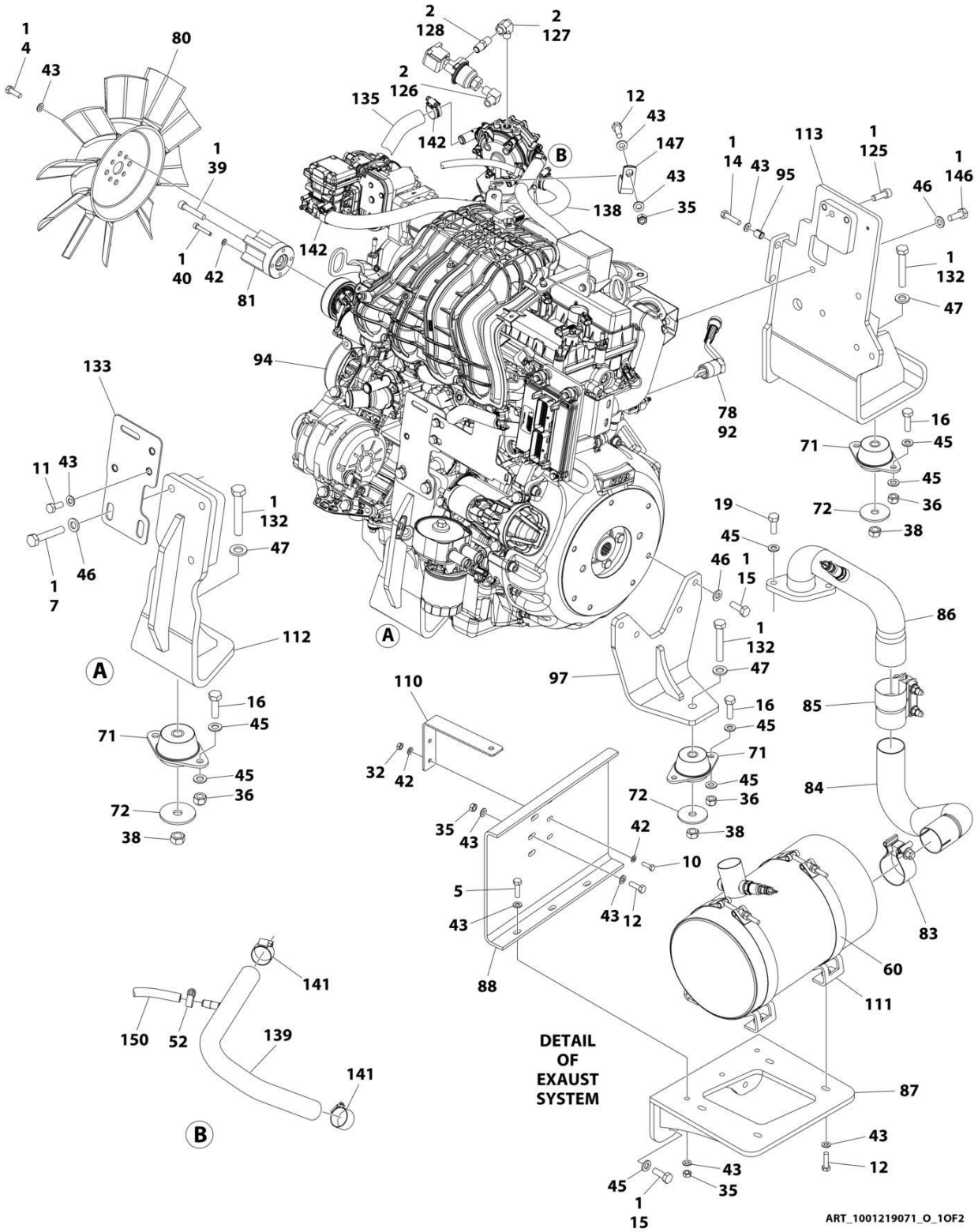
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215413	Ref	FORD ENGINE ASSEMBLY	R
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0700810	3	Bolt M8 x 20	
4	0700812	5	Bolt M8 x 25	
5	0700814	3	Bolt M8 x 30	
7	0711020	3	Bolt M10 x 60	
8	0760608	2	Bolt M6 x 16	
9	0760610	4	Bolt M6 x 20	
10	0760612	10	Bolt M6 x 25	
11	0760810	11	Bolt M8 x 20	
12	0760812	19	Bolt M8 x 25	
13	0760814	8	Bolt M8 x 30	
14	0760815	2	Bolt M8 x 35	
15	0761014	11	Bolt M10 x 30	
16	0761015	13	Bolt M10 x 35	
17	0761016	4	Bolt M10 x 40	
18	0771014	2	Bolt M10 x 30	
19	0940070	1	Bumper	
20	0961986	2	Bearing	
21	1320110	1	Clamp	
22	1001187781	1	Tie-Strap (Not Shown)	
24	1703162	2	Decal - Fan Blade	
25	2180467	1	Fitting, Straight NPT/Barbed	
26	2720058	AR	Hose	
28	1001165035	11 in /26cm	Hose	
29	3290601	2	Nut M6	
30	3290605	10	Nut M6	
31	3290607	2	Nut M6	
32	3290801	1	Nut M8	
33	3290805	27	Nut M8	
34	3291005	17	Nut M10	
35	3291001	4	Nut M10	
36	3291201	3	Nut M12	
37	3931632	1	Capscrew 3/8 x 2	
38	4031711	4	Capscrew M6 x 35	
39	4240099	AR	Tie-Strap (Not Shown)	
40	4811700	34	Washer M6	
41	4811900	64	Washer M8	
42	4811902	15	Washer M8	
43	4812000	43	Washer M10	
44	5241000	12	Washer M10	
45	5241200	3	Washer M10	
46	8305401	2	Nut 1/4	
47	8307109	2	Washer 1/4	
48	8310548	2	Screw 1/4 x 1/2	
49	8405006	2	Clamp	
50	8405009	5	Clamp	
51	8405102	2	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	8405104	2	Clamp	
53	8405203	3	Clamp	
54	8406109	6	Clip	
56	8410001	1	Clamp	
57	8410011	1	Clamp	
58	1001128901	2	Strap, Clamp	
59	1001138173	1	Support	
60	1001138175	1	Bracket	
61	1001138248	31 in/ 77cm	Tube, Nylon	
62	1001141585	1	Hose, Air Cleaner Inlet	
63	1001141995	1	Fitting, Straight NPT/Barbed	
64	1001144410	1	Panel, Clamp	
65	1001144411	1	Panel, Clamp	
66	1001149160	1	Nut, Tinnerman M8	
67	1001149639	1	Indicator, Restriction	
68	1001191610	3	Mount, Motor	
69	1001168018	3	Washer	
70	1001169054	4	Isolator	
71	1001169138	4	Pad	
72	1001170035	2	Bracket	
73	1001176329	2	Bracket	
74	1001180620	AR	Adhesive	
75	1001189979	1	Air Filter Assembly	
75	70005008	1	Element, Filter	
76	1001223042	1	Fan	
77	1001215647	1	Spacer, Fan	
78	1001223923	1	Radiator and Shroud Assembly	
78	1001224010	1	Radiator	
78	1001223922	1	Shroud	
79	1001215681	1	Clamp	
80	1001215899	1	Pipe, Exhaust Inlet	
81	1001215974	1	Clamp	
82	1001216075	1	Pipe, Exhaust Inlet	
83	1001216086	1	Bracket	
84	1001216092	1	Shield, Heat	
85	1001216204	1	Hose, Radiator (Lower)	
86	1001216205	1	Hose, Radiator (Upper)	
89	1001216910	1	Ford Engine Prep Assembly (See Separate Breakdown in this Section)	
90	1001216919	2	Sleeve	
91	1001216951	1	Tray	
92	1001290252	1	Mount, Engine (Rear)	
93	1001217032	1	Tube, Air Intake	
94	1001217046	1	Bracket	
95	1001217082	1	Plate, Radiator	
96	1001217089	1	Tube, Intake (Lower)	
97	1001217090	1	Tube, Intake (Intermediate)	
100	1001217146	1	Support	
101	1001217174	1	Seal	
102	1001217175	1	Seal	
103	1001217183	2	Seal	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
104	1001217185	2	Seal	
105	1001217186	1	Support	
106	1001217543	2	Mount	
107	1001218362	1	Mount, Engine (Front Left)	
108	1001218449	1	Mount, Engine (Front Right)	
109	1001218599	1	Panel, Clamp	
110	1001218600	1	Panel, Rubber	
112	1001134488	1	Fitting, 90 Barbed	
115	1001219445	1	Seal	
116	1001219448	1	Plate	
117	1001219454	1	Seal	
118	1001219456	1	Seal	
120	4812002	6	Washer M10	
121	5272010	1	Capscrew M10 x 30	
122	1001247359	1	Fitting, 90	
123	2220261	1	Fitting, Straight	
124	2180504	1	Fitting, Straight	
125	1001186426	1	Clamp, Air Cleaner	
127	1001221615	2	Nut, Tinnerman M8	
128	0711223	3	Bolt M12 x 75	
129	1001222033	1	Plate	
130	1001224489	1	Hose	
131	1001216531	1	Hose	
133	1001224486	1	Hose	
134	1001227666	1	Hose	
135	1001223584	1	Tank	
136	1001224419	1	Bracket	
138	8410009	2	Clamp	
139	2180348	1	Fitting, Straight Barbed	
140	1001173535	6	Clamp	
141	1001225510	1	Decal - Full Cold	
142	0711014	5	Bolt M10 x 30	
143	8406201	1	Clip	
144	4060805	16 in/.4m	Flex-Trim	
145	0100062	AR	Adhesive	
146	1001227667	1	Hose (Includes Tee)	
147	1001303818	1	Washer M10 (Not Shown)	

FIGURE 3-40. FORD ENGINE ASSEMBLY - WITH ARCTIC PACKAGE



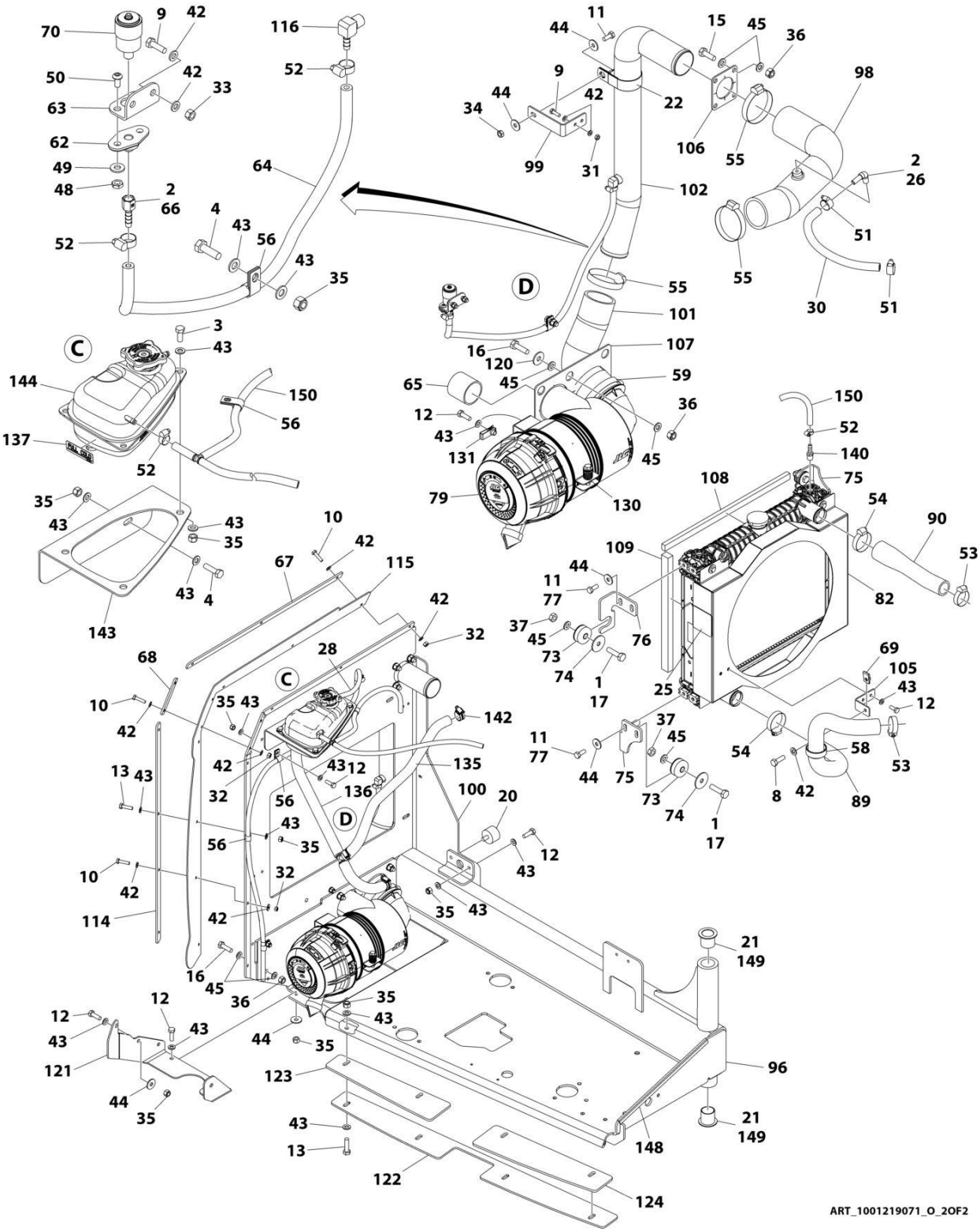

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FIGURE 3-40. FORD ENGINE ASSEMBLY - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219071	Ref	FORD ENGINE ASSEMBLY	O
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0700810	3	Bolt M8 x 20	
4	0700812	5	Bolt M8 x 25	
5	0700814	3	Bolt M8 x 30	
7	0711020	3	Bolt M10 x 60	
8	0760608	2	Bolt M6 x 16	
9	0760610	4	Bolt M6 x 20	
10	0760612	10	Bolt M6 x 25	
11	0760810	11	Bolt M8 x 20	
12	0760812	19	Bolt M8 x 25	
13	0760814	8	Bolt M8 x 30	
14	0760815	2	Bolt M8 x 35	
15	0761014	11	Bolt M10 x 30	
16	0761015	13	Bolt M10 x 35	
17	0761016	4	Bolt M10 x 40	
19	0771014	2	Bolt M10 x 30	
20	0940070	1	Bumper	
21	0961986	2	Bearing	
22	1320110	1	Clamp	
23	1001187781	1	Tie-Strap (Not Shown)	
25	1703162	2	Decal - Fan Blade	
26	2180467	1	Fitting, Straight NPT/Barbed	
28	2720058	AR	Hose	
30	1001165035	11 in /26cm	Hose	
31	3290601	2	Nut M6	
32	3290605	10	Nut M6	
33	3290607	2	Nut M6	
34	3290801	1	Nut M8	
35	3290805	27	Nut M8	
36	3291005	17	Nut M10	
37	3291001	4	Nut M10	
38	3291201	3	Nut M12	
39	3931632	1	Capscrew 3/8 x 2	
40	4031711	4	Capscrew M6 x 35	
41	4240099	AR	Tie-Strap (Not Shown)	
42	4811700	34	Washer M6	
43	4811900	64	Washer M8	
44	4811902	15	Washer M8	
45	4812000	43	Washer M10	
46	5241000	12	Washer M10	
47	5241200	3	Washer M10	
48	8305401	2	Nut 1/4	
49	8307109	2	Washer 1/4	
50	8310548	2	Screw 1/4 x 1/2	
51	8405006	2	Clamp	
52	8405009	5	Clamp	
53	8405102	2	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	8405104	2	Clamp	
55	8405203	3	Clamp	
56	8406109	6	Clip	
58	8410001	1	Clamp	
59	8410011	1	Clamp	
60	1001128901	2	Strap, Clamp	
62	1001138173	1	Support	
63	1001138175	1	Bracket	
64	1001138248	31 in/ 77cm	Tube, Nylon	
65	1001141585	1	Hose, Air Cleaner Inlet	
66	1001141995	1	Fitting, Straight NPT/Barbed	
67	1001144410	1	Panel, Clamp	
68	1001144411	1	Panel, Clamp	
69	1001149160	1	Nut, Tinnerman M8	
70	1001149639	1	Indicator, Restriction	
71	1001191610	3	Mount, Motor	
72	1001168018	3	Washer	
73	1001169054	4	Isolator	
74	1001169138	4	Pad	
75	1001170035	2	Bracket	
76	1001176329	2	Bracket	
77	1001180620	AR	Adhesive	
78	1001181895	AR	Adhesive	
79	1001189979	1	Air Filter Assembly	
79	70005008	1	Element, Filter	
80	1001223042	1	Fan	
81	1001215647	1	Spacer, Fan	
82	1001223923	1	Radiator and Shroud Assembly	
82	1001224010	1	Radiator	
82	1001223922	1	Shroud	
83	1001215681	1	Clamp	
84	1001215899	1	Pipe, Exhaust Inlet	
85	1001215974	1	Clamp	
86	1001216075	1	Pipe, Exhaust Inlet	
87	1001216086	1	Bracket	
88	1001216092	1	Shield, Heat	
89	1001216204	1	Hose, Radiator (Lower)	
90	1001216205	1	Hose, Radiator (Upper)	
92	1001216393	1	Heater, Engine Block	
94	1001216910	1	Ford Engine Prep Assembly (See Separate Breakdown in this Section)	
95	1001216919	2	Sleeve	
96	1001216951	1	Tray	
97	1001290252	1	Mount, Engine (Rear)	
98	1001217032	1	Tube, Air Intake	
99	1001217046	1	Bracket	
100	1001217082	1	Plate, Radiator	
101	1001217089	1	Tube, Intake (Lower)	
102	1001217090	1	Tube, Intake (Intermediate)	
105	1001217146	1	Support	
106	1001217174	1	Seal	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
107	1001217175	1	Seal	
108	1001217183	2	Seal	
109	1001217185	2	Seal	
110	1001217186	1	Support	
111	1001217543	2	Mount	
112	1001218362	1	Mount, Engine (Front Left)	
113	1001218449	1	Mount, Engine (Front Right)	
114	1001218599	1	Panel, Clamp	
115	1001218600	1	Panel, Rubber	
116	1001134488	1	Fitting, 90 Barbed	
120	4812002	6	Washer M10	
121	1001219445	1	Seal	
122	1001219448	1	Plate	
123	1001219454	1	Seal	
124	1001219456	1	Seal	
125	5272010	1	Capscrew M10 x 30	
126	2180504	1	Fitting, Straight	
127	1001247359	1	Fitting, 90	
128	2220261	1	Fitting, Straight	
130	1001186426	1	Clamp, Air Cleaner	
131	1001221615	2	Nut, Tinnerman M8	
132	0711223	3	Bolt M12 x 75	
133	1001222033	1	Plate	
135	1001224486	1	Hose	
136	1001224489	1	Hose	
137	1001225510	1	Decal - Full Cold	
138	1001216531	1	Hose	
139	1001227666	1	Hose	
140	2180348	1	Fitting, Straight Barbed	
141	8410009	2	Clamp	
142	1001173535	6	Clamp	
143	1001224419	1	Bracket	
144	1001223584	1	Tank	
146	0711014	5	Bolt M10 x 30	
147	8406201	1	Clip	
148	4060805	16 in/.4m	Flex-Trim	
149	0100062	AR	Adhesive	
150	1001227667	1	Hose (Includes Tee)	
151	1001303818	1	Washer M10 (Not Shown)	

FIGURE 3-41. PUMP COUPLING AND FUEL SYSTEM ASSEMBLY (FORD ENGINES)

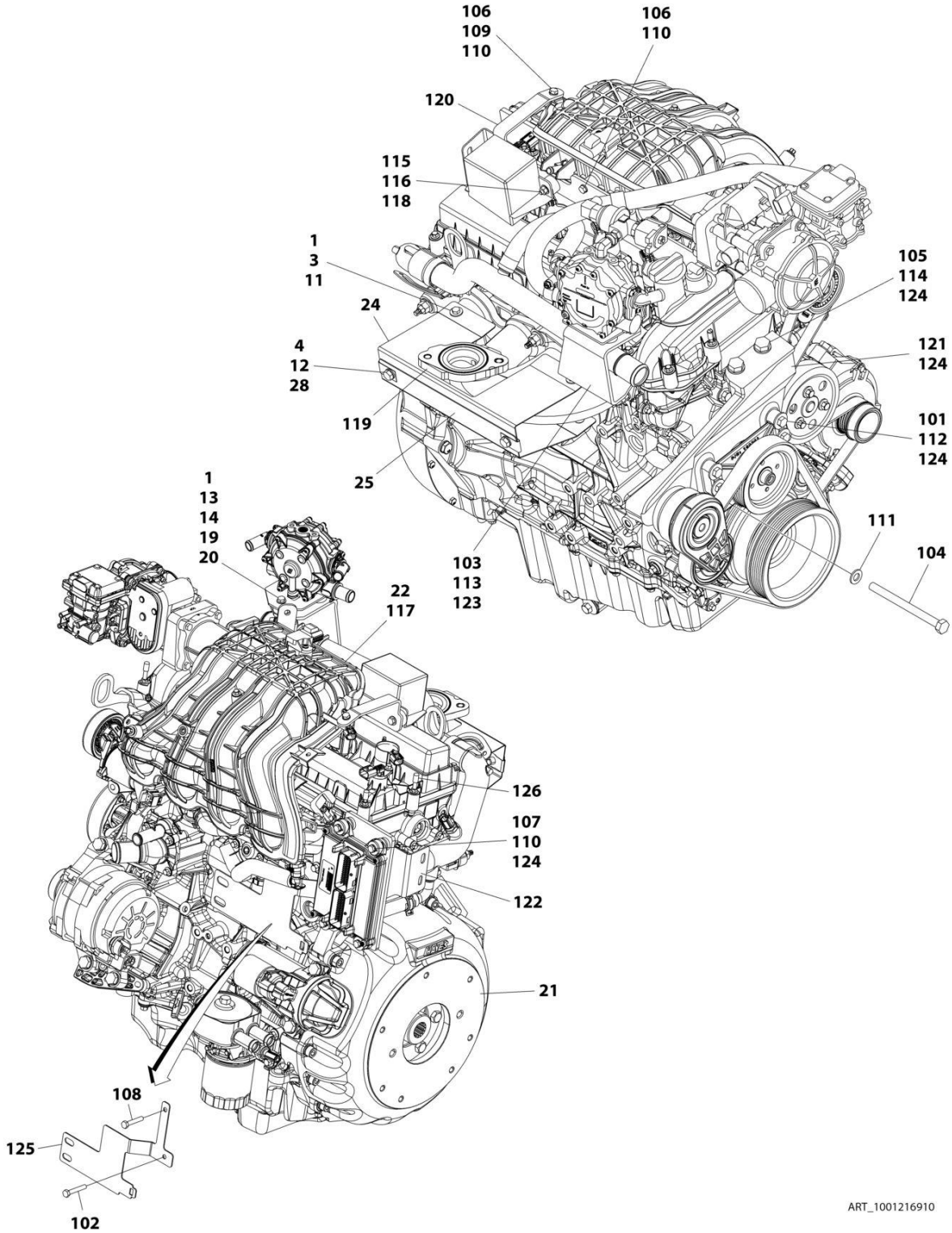


FIGURE 3-41. PUMP COUPLING AND FUEL SYSTEM ASSEMBLY (FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216910	Ref	FORD ENGINE PREP ASSEMBLY	F
1	0100011	AR	Compound, Locking	
3	0760605	4	Bolt M6 x 10	
4	0760807	2	Bolt M8 x 14	
11	4811702	4	Washer M6	
12	4811900	2	Washer M8	
13	5250605	3	Bolt M6 x 10	
14	5260600	1	Nut M6 Class 10	
19	1001211794	3	Mount, Isolator	
20	1001227769	1	Plate	
21	1001213810	1	Pump Coupling Kit	
21	70006134	1	Coupling	
21	70006135	1	Housing	
21	70006136	1	Hardware Kit	
22	1001216065	1	Ford Engine Assembly (See Items 101-126 for Breakdown)	
24	1001216768	1	Bracket	
25	1001216769	1	Bracket	
28	1001149160	2	Nut, Tinnerman M8	
	1001216065	Ref	FORD ENGINE PREP ASSEMBLY - BRACKETS/EXHAUST MANIFOLD	M
101	0700816	4	Bolt M8 x 40	
102	0700818	1	Bolt M8 x 50	
103	0701014	2	Bolt M10 x 30	
104	0710827	1	Bolt M8 x 100 Grade 10.9	
105	0711216	2	Bolt M12 x 40	
106	0760610	3	Bolt M6 x 20	
107	0760615	4	Bolt M6 x 35	
108	0760817	1	Bolt M8 x 45	
109	3290601	1	Nut M6	
110	4811700	8	Washer M6	
111	4811900	1	Washer M8	
112	4811902	4	Washer M8	
113	4812000	1	Washer M10	
114	4812100	2	Washer M12	
115	5250605	2	Bolt M6 x 10	
116	5260600	2	Nut M6 Class 10	
117	1001210448	1	Engine, Ford 2.5L (See Separate Breakdown in this Section)	
118	1001211794	2	Mount	
119	1001214827	1	Manifold, Exhaust	
120	1001215384	1	Bracket	
121	1001216071	1	Bracket	
122	1001216144	1	Support, Muffler	
123	1001227772	1	Mount, Vaporizer	
124	0100011	AR	Compound, Locking	
125	1001221545	1	Plate	
126	1001222641	6	Cap	

FIGURE 3-42. FORD ENGINE COMPONENTS

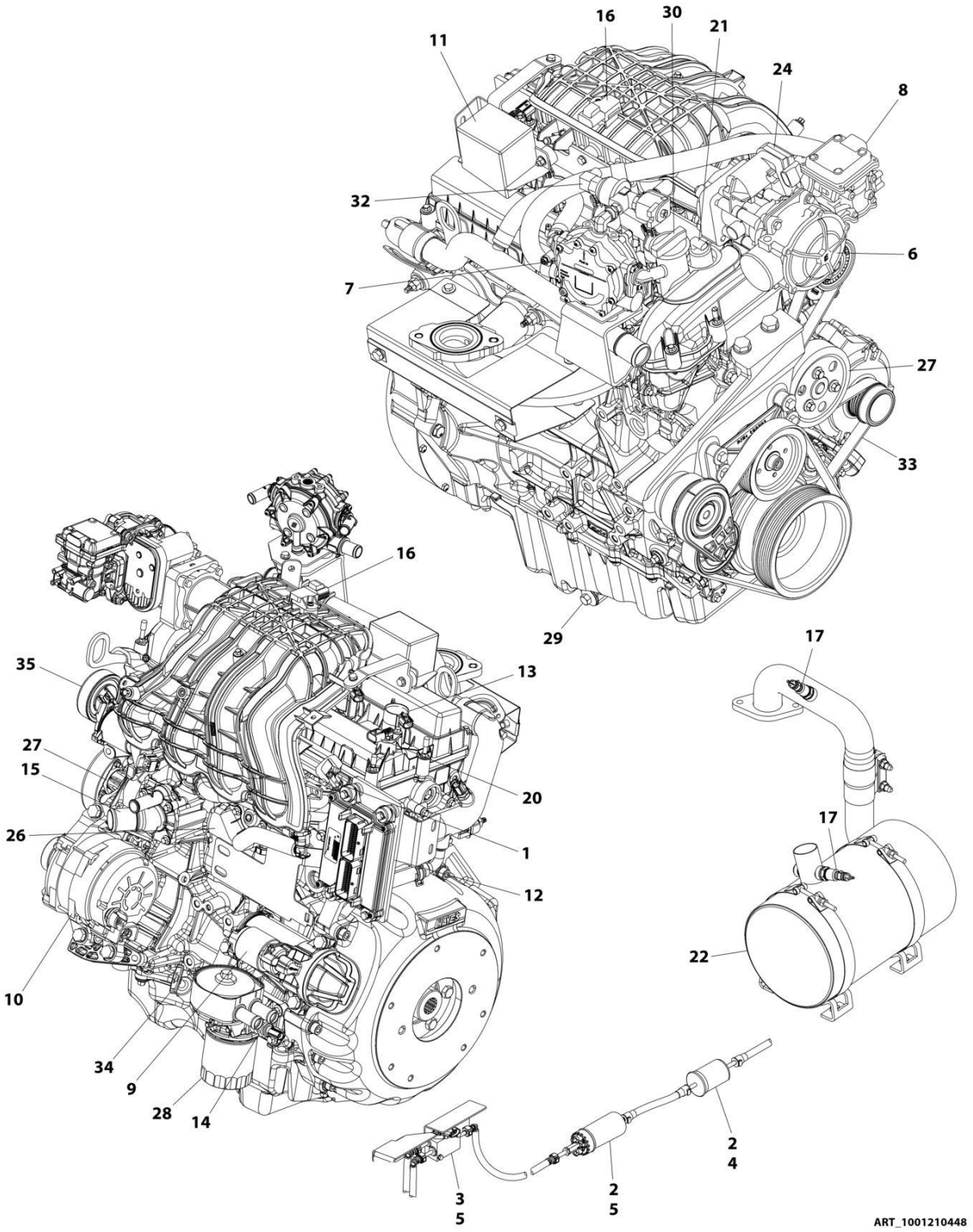
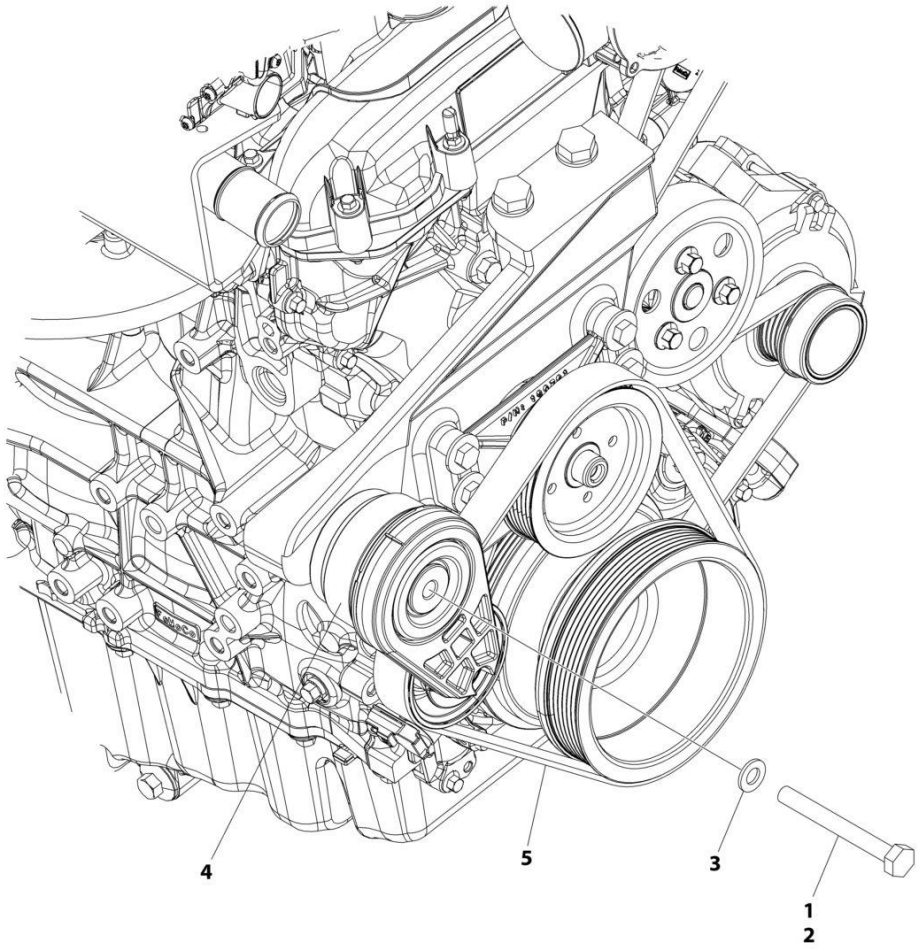


FIGURE 3-42. FORD ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210448	Ref	FORD ENGINE COMPONENTS	H
1	70006145	4	Injector, Fuel	
1	70006147	1	Rail, Fuel	
2	70006150	1	Pump, Fuel	
2	70006154	1	Fitting M10	
3	70006151	1	Block, Fuel	
3	70006152	2	Fitting SAE6	
3	70006153	1	Fitting SAE3	
3	70006189	1	Harness, Fuel Block	
4	70006155	1	Filter, Fuel	
5	7022162	8	Clamp	
5	70006157	8	Clip, Fuel Quick Disconnect	
6	70006158	1	Mixer, LP	
6	70006168	1	Mixer Diaphragm Replacement Kit	
6	70006159	1	Adapter, Mixer to Governor	
6	70006160	1	O-Ring, Mixer to Adapter	
6	70006161	1	Seal, Mixer to Adapter	
7	70006162	1	Regulator, LP Vapor	
7	70006166	2	Fitting	
7	70006167	1	Fitting, Straight	
7	70006165	2	Isolator, Rubber	
8	70006163	1	Regulator, Direct Electronic Pressure	
8	70006164	1	Adapter, Fitting 90	
9	70006169	1	Starter	
9	70006233	1	Harness, Alternator/Starter	
10	70006170	1	Alternator	
11	70006173	1	Cover, Relay Box	
11	70006171	2	Relay (Fuel Pump & Power)	
11	70006172	1	Relay (Starter)	
11	70006175	1	Fuse - 20Amp (Starter)	
11	70006174	1	Decal - Relay Box Cover	
11	70006188	1	Harness, Engine	
11	70006165	2	Isolator, Rubber	
12	70006176	1	Module - Engine Control Unit (ECU/GCP)	
12	70006191	1	Software & Diagnostic Cable	
13	70006177	4	Coil and Boot Assembly	
13	70006178	4	Plug, Spark	
14	70006179	1	Switch, Oil Pressure	
15	70006180	1	Sensor, Knock	
16	70006181	1	Sensor, TMAP	
17	70006182	2	Sensor, O2	
18	70006183	1	Sensor, Coolant Temperature (Not Shown - Located Rear of Engine Block)	
19	70006184	1	Sensor, Crank Position (Not Shown - Located at Front RH Side of Block)	
20	70006185	1	Sensor, Cam Position	
21	70006186	1	Solenoid, Timing	
21	70006187	1	Grommet, Rubber	
22	70006194	1	Muffler	
22	70006195	1	Plug (Located at Muffler Outlet)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
23		Ref	Gasket Options (Not Shown)	
23	70006196	1	Gasket, Exhaust Manifold to Head	
23	70006197	1	Gasket, Exhaust Manifold Outlet	
23	70006200	1	Gasket, Intake Manifold to Head	
23	70006219	1	Gasket Set - Camshaft Cover	
23	70006225	1	Gasket, Cylinder Head	
24	70006198	1	Governor	
24	7027404	1	Gasket, Governor Actuator	
24	70006199	1	Gasket, Governor to Intake Manifold Adapter	
25	70006203	1	Flywheel (Not Shown)	
26	70006205	1	Thermostat (Includes Housing)	
26	70006206	1	Gasket, Water Inlet	
27	70006207	1	Pump, Water	
27	70006208	1	O-Ring, Water Pump	
27	See Note	NSS	Pulley, Water Pump (Note: Not Available for Purchase at This Time)	
28	70006213	1	Filter, Oil	
29	70006215	1	Plug, Oil Drain	
29	70006217	1	Gasket, Oil Drain Plug	
30	70006221	1	Cap, Oil Fill	
31	70006232	1	Sensor, Crank (Not Shown)	
32	70006235	1	Valve, Lock-Off (Includes Filter)	
33	70006202	1	Belt	
34	70006236	1	Dipstick	
35	70007108	1	Belt Tensioner	

FIGURE 3-43. DRIVE BELT INSTALLATION - FORD ENGINES MACHINES WITHOUT GENERATORS



ART_1001220404

FIGURE 3-43. DRIVE BELT INSTALLATION - FORD ENGINES MACHINES WITHOUT GENERATORS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220404	Ref	DRIVE BELT INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0701026	1	Bolt M10 x 90	
3	4812002	1	Washer M10	
4	1001216300	1	Pulley	
5	1001216619	1	V-Belt	

FIGURE 3-44. PUMP COUPLING KIT - DEUTZ ENGINES

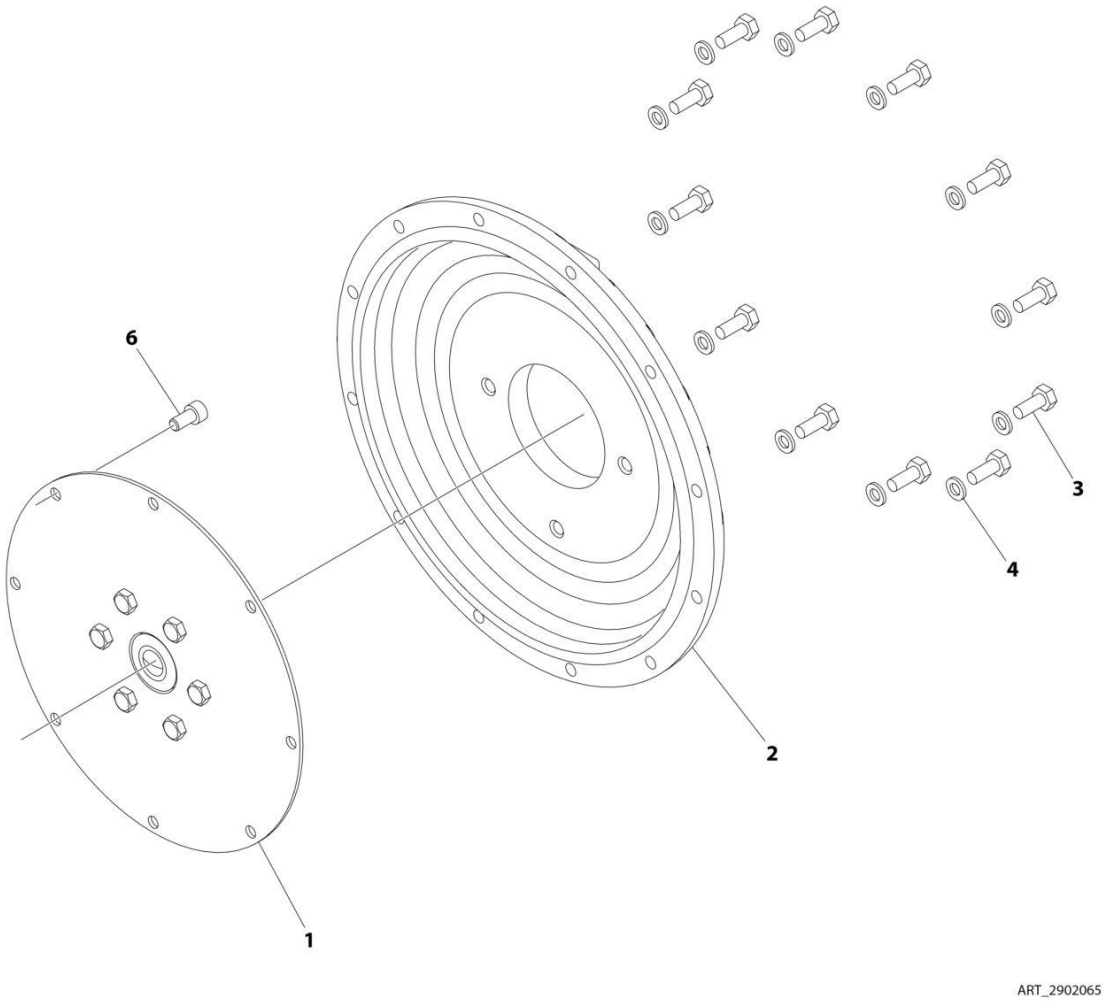
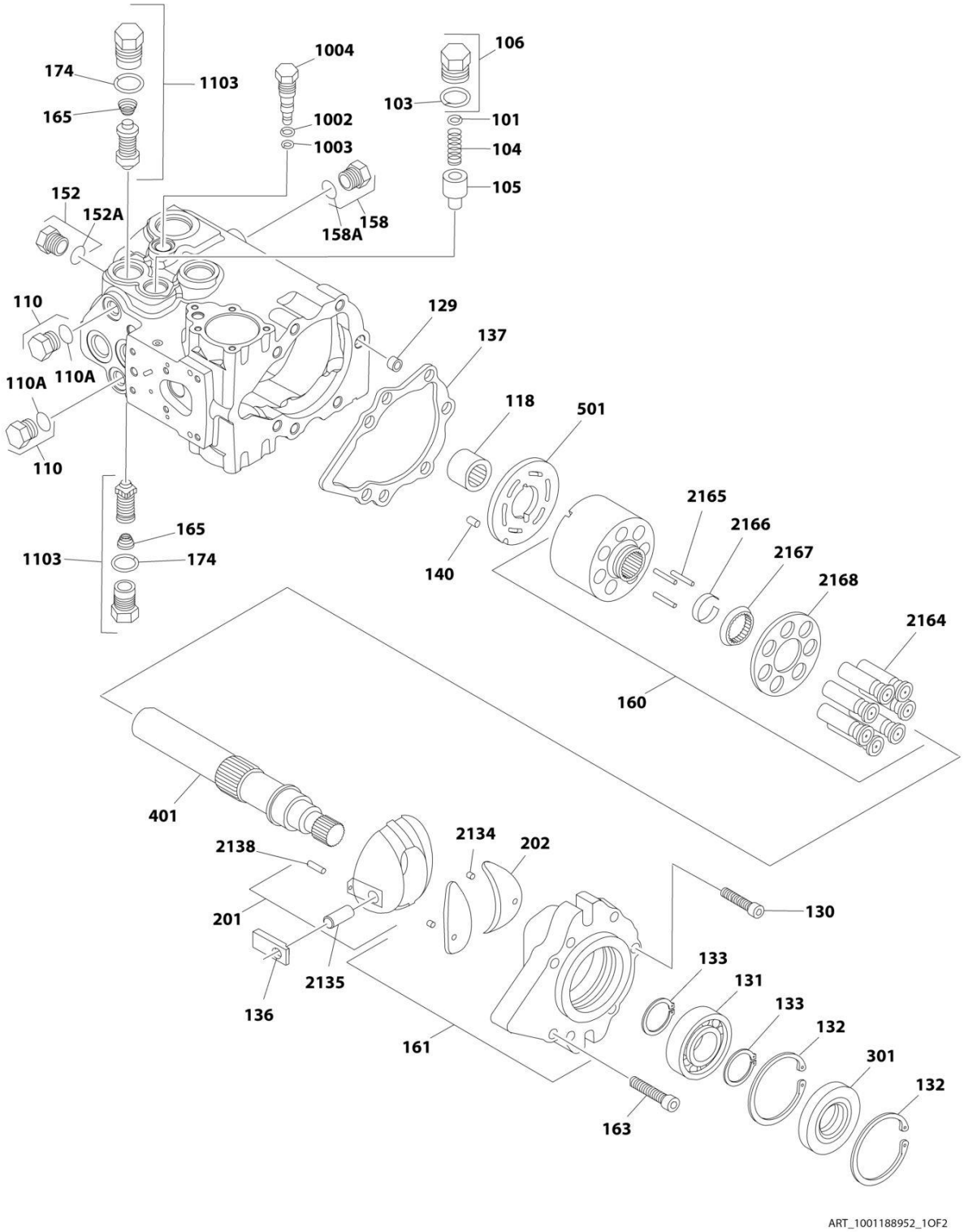


FIGURE 3-44. PUMP COUPLING KIT - DEUTZ ENGINES

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

FIGURE 3-45. PISTON PUMP ASSEMBLY - DEUTZ ENGINES - DANFOSS



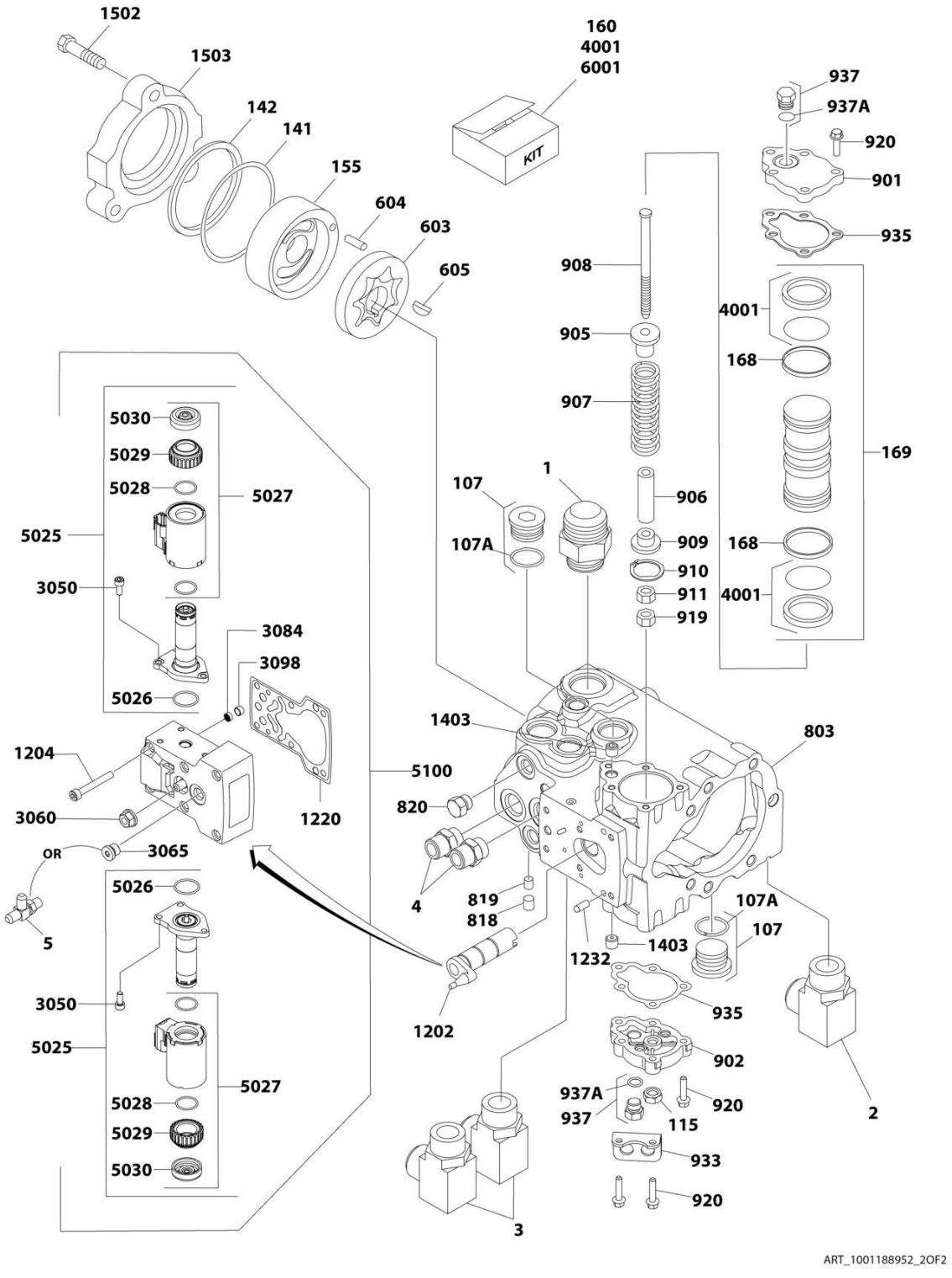

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ART_1001188952_2OF2

FIGURE 3-45. PISTON PUMP ASSEMBLY - DEUTZ ENGINES - DANFOSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188952	Ref	PUMP AND FITTING ASSEMBLY	A
1	2220377	1	Fitting, Straight JIC/ORB	
2	2220578	1	Fitting, 90 JIC/ORB	
3	2220646	2	Fitting, 90 JIC/ORB	
4	2220947	2	Fitting, Straight JIC/ORB	
5	2221034	1	Fitting, Tee JIC/ORB	
	1001186542	1	PISTON PUMP ASSEMBLY	B
101	7007413	1	Shim Kit	
103	7007415	1	O-Ring (Part of Item 106)	
104	7021200	1	Spring, Relief Valve	
105	7007417	1	Valve, Relief	
106	7024874	2	Plug (Includes Items 103)	
107	7007419	2	Plug	
107A	7007418	2	O-Ring	
110	7007420	2	Plug	
110A	7021256	2	O-Ring	
115	7007423	1	Nut, Special	
118	7007425	1	Bearing, Needle	
129	7007435	1	Pin, Spring	
130	7021202	1	Screw	
131	70002176	1	Bearing, Ball	
132	7007438	2	Ring, Retainer	
133	7007439	2	Ring	
136	7007442	1	Sleeve, Bearing	
137	7007443	1	Gasket, Front Cover	
140	7007446	1	Pin	
141	7021233	1	O-Ring	
142	7007448	1	Ring, Load Temper	
152	7007420	1	Plug Assembly	
152A	7021256	1	O-Ring	
155	70005466	1	Cover, Gerotor	
158	7007208	1	Plug	
158A	7007207	1	O-Ring	
160	7010116	1	Cylinder Block Kit (Includes Items 2164-2168)	
161	7024875	1	Cover Assembly - Front (Includes Items 202 & 2134)	
163	7021207	6	Screw	
165	70005467	2	Spring	
168	7021210	2	Bearing	
169	70005468	1	Servo Piston Assembly (Includes Items 168 & 4001)	
174	7007418	2	O-Ring	
201	7007457	1	Swash Plate Assembly (Includes Items 2135 & 2138)	
202	7021212	1	Journal, Bearing	
301	7007459	1	Seal, Lip	
401	7010121	1	Shaft, Main Pump	
501	7021214	1	Plate, Valve	
603	7007463	1	Gerotor Assembly	
604	7007464	1	Pin	
605	7007465	1	Key, Woodruff	
803	See Note	NSS	Housing, Pump (Note: Use p/n 1001186542)	
818	70005469	1	Plug	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
819	70005470	1	Plug	
820	70005469	1	Plug	
901	7021219	1	Cover, Servo (With Adjuster)	
902	7021220	1	Cover, Servo (Without Adjuster)	
905	7023979	1	Guide, Spring	
906	7007484	1	Stop, Servo	
907	7007485	1	Spring	
908	7021221	1	Screw	
909	7007487	1	Guide, Spring	
910	7007488	1	Ring, Retaining	
911	7021222	1	Locknut	
919	7021206	1	Nut	
920	7021223	10	Screw	
933	7021201	1	Bracket, Lifting	
935	7007422	2	Gasket, Servo Cover	
937	7007420	2	Plug	
937A	7021256	2	O-Ring	
1002	7007450	1	Ring, Back-up	
1003	70005471	1	O-Ring	
1004	7024877	1	Valve, Bypass	
1103	7024851	2	Valve, Pressure Relief (Includes Items 165 & 174)	
1202	70005472	1	Sleeve	
1204	70002156	6	Screw	
1220	70002154	1	Gasket	
1232	70002157	2	Pin	
1403	7007477	2	Plug, Orifice (.37)	
1502	7007453	3	Bolt, Hex	
1503	7007476	1	Adapter, Auxiliary Pump	
2134	7021203	2	Pin, Spring	
2135	7007441	1	Handle, Pin	
2138	7007444	1	Pin	
2164	7010117	7	Piston Assembly	
2165	7007431	3	Pin, Slipper Holddown	
2166	7007430	1	Retainer	
2167	7007434	1	Guide, Retainer	
2168	7010119	1	Retainer, Slipper	
3050	70002150	6	Screw	
3060	70005473	1	Nut, Seal	
3065	70002151	1	Plug	
3084	70002134	1	Screen	
3098	70002153	1	Ring	
4001	7007412	1	Seal Kit - Servo Piston	
5025	70002147	2	Solenoid Assembly (Includes Items 5026-5030)	
5026	70002148	2	O-Ring	
5027	70002149	2	Coil Assembly (Includes Items 5028-5030)	
5028	70005474	2	O-Ring	
5029	70005475	2	Screw	
5030	70005476	2	Cap	
5100	70002146	1	EDC Assembly (Includes Items 1204, 1220, 3050-3098 & 5025-5030)	
6001	7021232	1	Seal Kit - Complete (Includes Items 103, 137, 141, 142, 168, 174, 301, 935, 1002, 1003, 4001 and Plug O-Ring)	

FIGURE 3-46. PISTON PUMP ASSEMBLY WITH FITTINGS - DEUTZ ENGINES - HENGLI

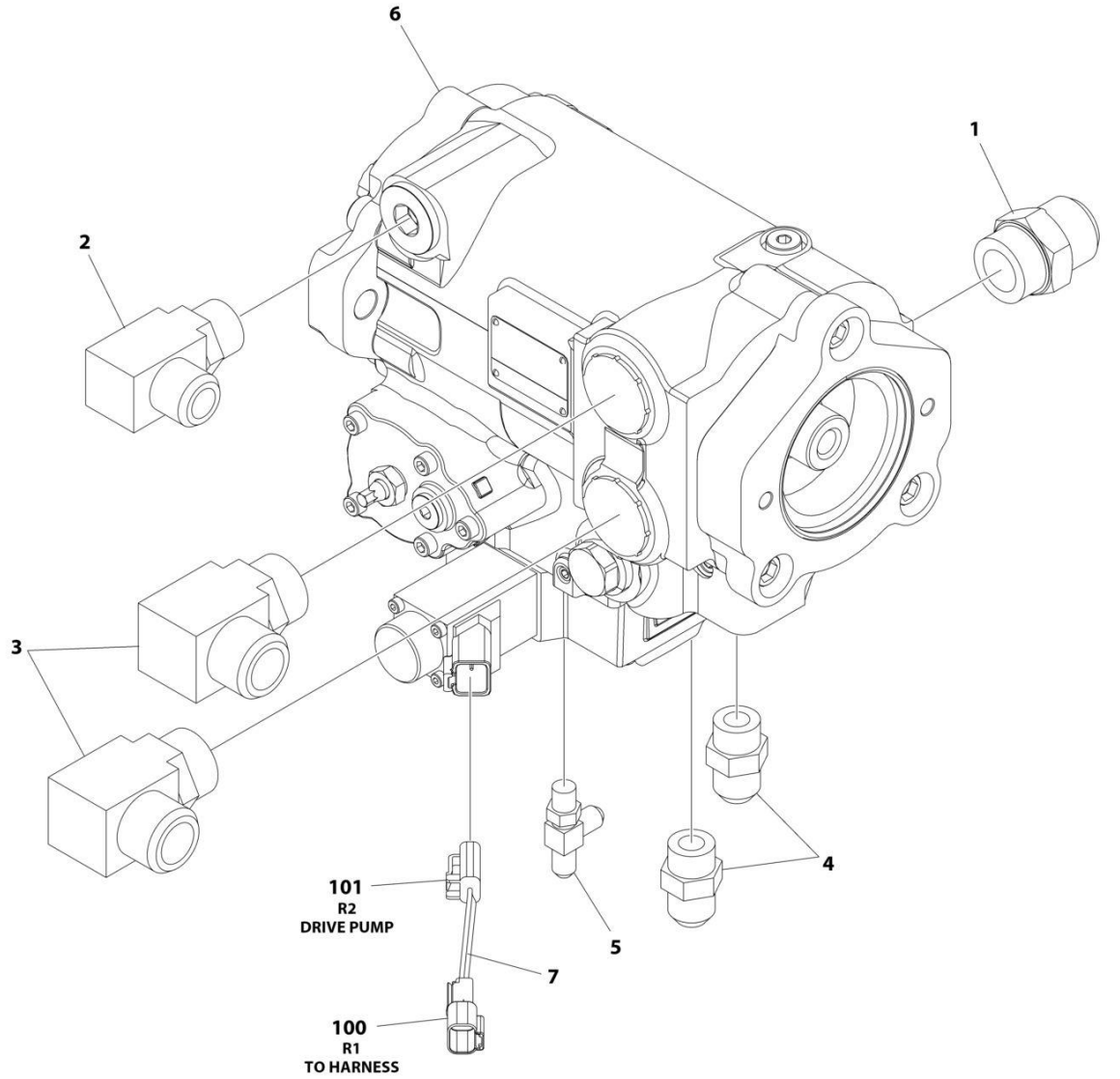
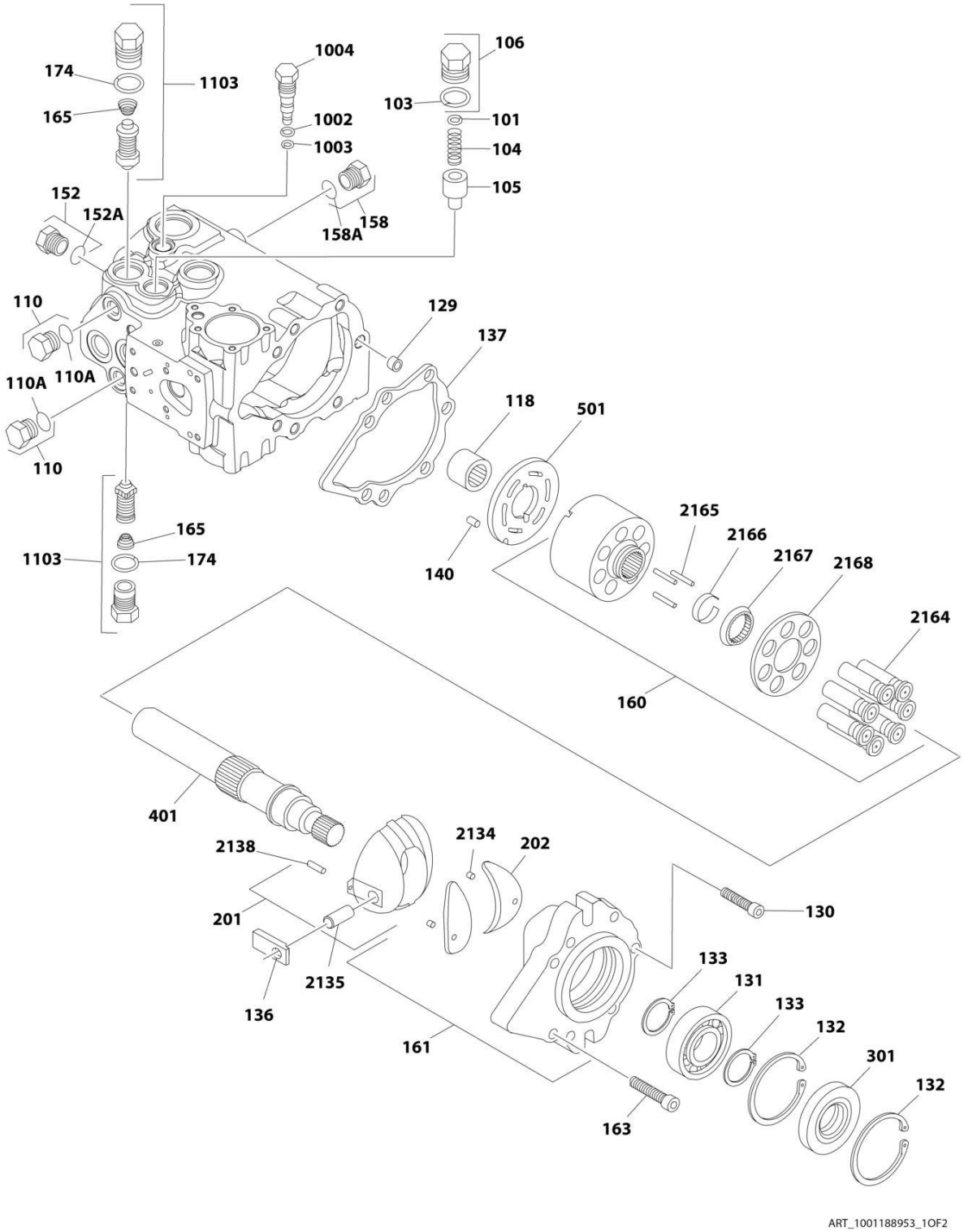
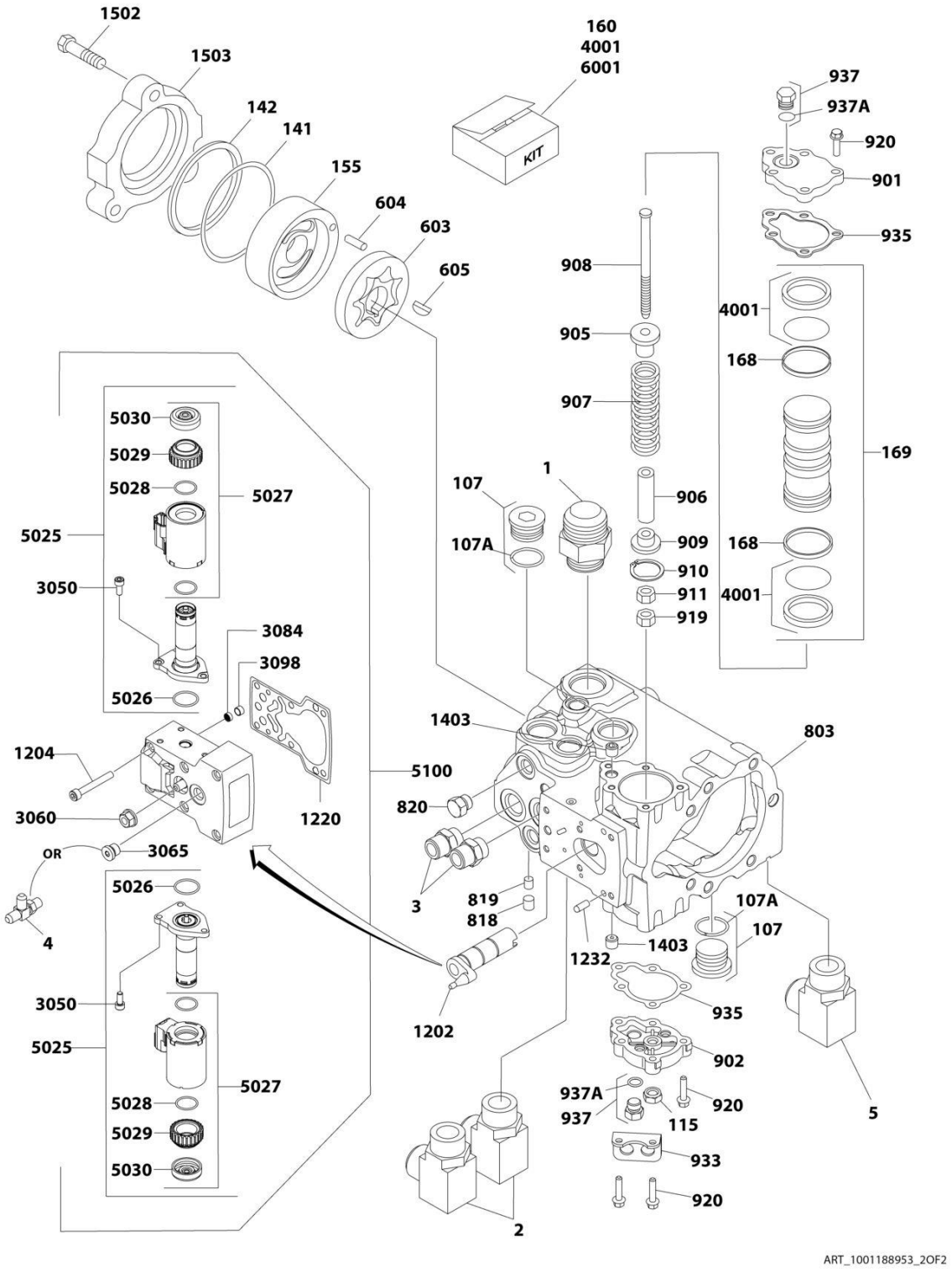


FIGURE 3-46. PISTON PUMP ASSEMBLY WITH FITTINGS - DEUTZ ENGINES - HENGLI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287018	Ref	PISTON PUMP ASSEMBLY	A
1	2220377	1	Fitting Straight JIC/ORB	
2	2220578	1	Fitting 90 JIC/ORB	
3	2220646	2	Fitting 90 JIC/ORB	
4	2220947	2	Fitting Straight ORB	
5	2221034	1	Fitting Tee	
6	1001287021	1	Piston Pump (See Separate Breakdown in this Section)	
7	1001288858	1	Piston Pump Harness (Includes Items 100 & 101)	A
100	4460897	1	Connector	
100	4460464	2	Terminal	
101	4460891	1	Connector	
101	4460465	2	Terminal	

FIGURE 3-47. PISTON PUMP ASSEMBLY - FORD ENGINES





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FIGURE 3-47. PISTON PUMP ASSEMBLY - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188953	Ref	PUMP AND FITTING ASSEMBLY	A
1	2220377	1	Fitting, Straight JIC/ORB	
2	2220451	1	Fitting, Straight JIC/ORB	
3	2220646	2	Fitting, 90 JIC/ORB	
4	2220947	2	Fitting, Straight JIC/ORB	
5	2220711	1	Fitting, Tee JIC/ORB	
	1001186542	Ref	PISTON PUMP ASSEMBLY	B
101	7007413	1	Shim Kit	
103	7007415	1	O-Ring (Part of Item 106)	
104	7021200	1	Spring, Relief Valve	
105	7007417	1	Valve, Relief	
106	7024874	2	Plug (Includes Items 103)	
107	7007419	2	Plug	
107A	7007418	2	O-Ring	
110	7007420	2	Plug	
110A	7021256	2	O-Ring	
115	7007423	1	Nut, Special	
118	7007425	1	Bearing, Needle	
129	7007435	1	Pin, Spring	
130	7021202	1	Screw	
131	70002176	1	Bearing, Ball	
132	7007438	2	Ring, Retainer	
133	7007439	2	Ring	
136	7007442	1	Sleeve, Bearing	
137	7007443	1	Gasket, Front Cover	
140	7007446	1	Pin	
141	7021233	1	O-Ring	
142	7007448	1	Ring, Load Temper	
152	7007420	1	Plug Assembly	
152A	7021256	1	O-Ring	
155	70005466	1	Cover, Gerotor	
158	7007208	1	Plug	
158A	7007207	1	O-Ring	
160	7010116	1	Cylinder Block Kit (Includes Items 2164-2168)	
161	7024875	1	Cover Assembly - Front (Includes Items 202 & 2134)	
163	7021207	6	Screw	
165	70005467	2	Spring	
168	7021210	2	Bearing	
169	70005468	1	Servo Piston Assembly (Includes Items 168 & 4001)	
174	7007418	2	O-Ring	
201	7007457	1	Swash Plate Assembly (Includes Items 2135 & 2138)	
202	7021212	1	Journal, Bearing	
301	7007459	1	Seal, Lip	
401	7010121	1	Shaft, Main Pump	
501	7021214	1	Plate, Valve	
603	7007463	1	Gerotor Assembly	
604	7007464	1	Pin	
605	7007465	1	Key, Woodruff	
803	See Note	NSS	Housing, Pump (Note: Use p/n 1001186542)	
818	70005469	1	Plug	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
819	70005470	1	Plug	
820	70005469	1	Plug	
901	7021219	1	Cover, Servo (With Adjuster)	
902	7021220	1	Cover, Servo (Without Adjuster)	
905	7023979	1	Guide, Spring	
906	7007484	1	Stop, Servo	
907	7007485	1	Spring	
908	7021221	1	Screw	
909	7007487	1	Guide, Spring	
910	7007488	1	Ring, Retaining	
911	7021222	1	Locknut	
919	7021206	1	Nut	
920	7021223	10	Screw	
933	7021201	1	Bracket, Lifting	
935	7007422	2	Gasket, Servo Cover	
937	7007420	2	Plug	
937A	7021256	2	O-Ring	
1002	7007450	1	Ring, Back-up	
1003	70005471	1	O-Ring	
1004	7024877	1	Valve, Bypass	
1103	7024851	2	Valve, Pressure Relief (Includes Items 165 & 174)	
1202	70005472	1	Sleeve	
1204	70002156	6	Screw	
1220	70002154	1	Gasket	
1232	70002157	2	Pin	
1403	7007477	2	Plug, Orifice (.37)	
1502	7007453	3	Bolt, Hex	
1503	7007476	1	Adapter, Auxiliary Pump	
2134	7021203	2	Pin, Spring	
2135	7007441	1	Handle, Pin	
2138	7007444	1	Pin	
2164	7010117	7	Piston Assembly	
2165	7007431	3	Pin, Slipper Holddown	
2166	7007430	1	Retainer	
2167	7007434	1	Guide, Retainer	
2168	7010119	1	Retainer, Slipper	
3050	70002150	6	Screw	
3060	70005473	1	Nut, Seal	
3065	70002151	1	Plug	
3084	70002134	1	Screen	
3098	70002153	1	Ring	
4001	7007412	1	Seal Kit - Servo Piston	
5025	70002147	2	Solenoid Assembly (Includes Items 5026-5030)	
5026	70002148	2	O-Ring	
5027	70002149	2	Coil Assembly (Includes Items 5028-5030)	
5028	70005474	2	O-Ring	
5029	70005475	2	Screw	
5030	70005476	2	Cap	
5100	70002146	1	EDC Assembly (Includes Items 1204, 1220, 3050-3098 & 5025-5030)	
6001	7021232	1	Seal Kit - Complete (Includes Items 103, 137, 141, 142, 168, 174, 301, 935, 1002, 1003, 4001 and Plug O-Ring)	

FIGURE 3-48. GEAR PUMP ASSEMBLY

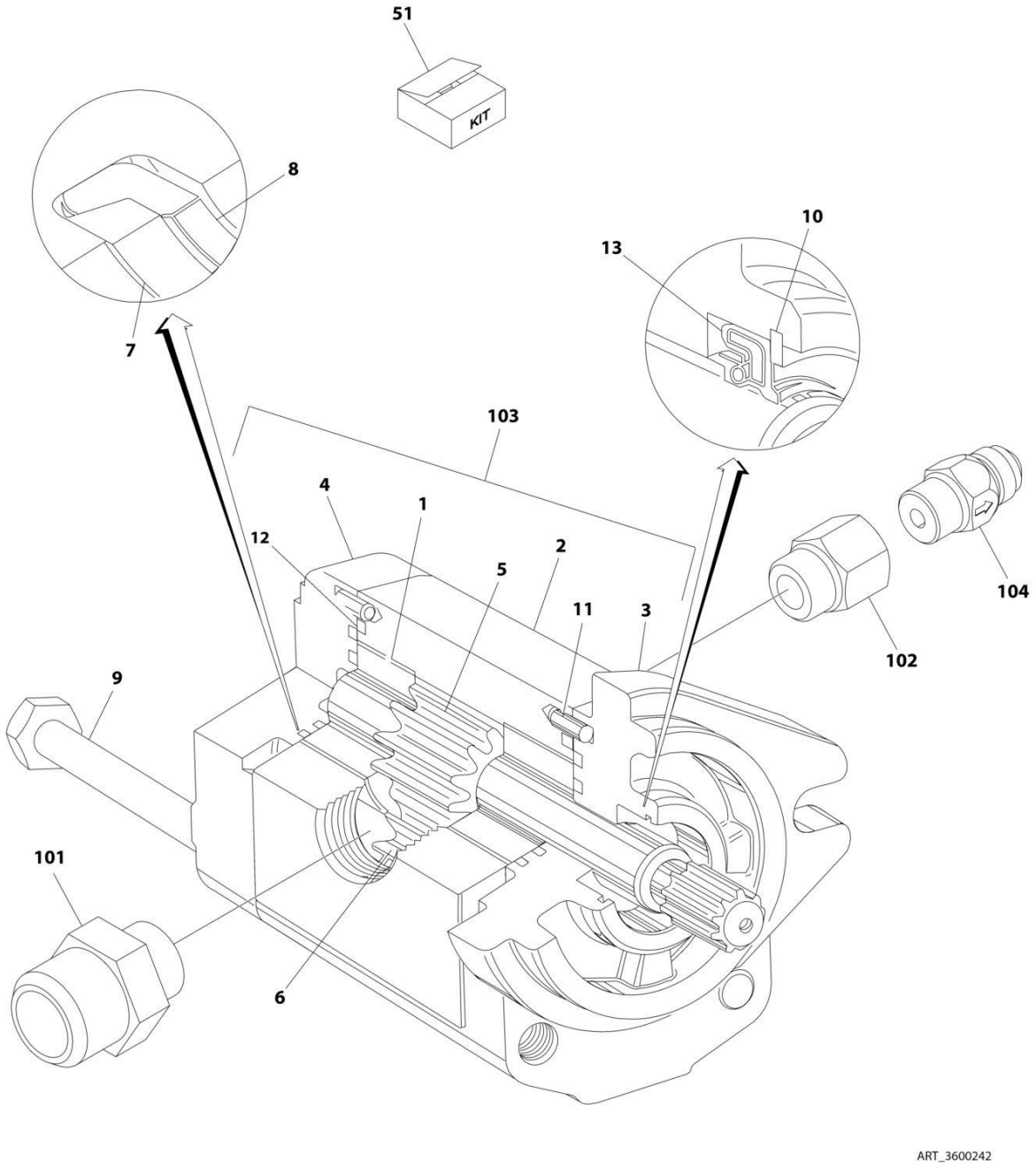


FIGURE 3-48. GEAR PUMP ASSEMBLY

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 3-49. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ D2011 ENGINES

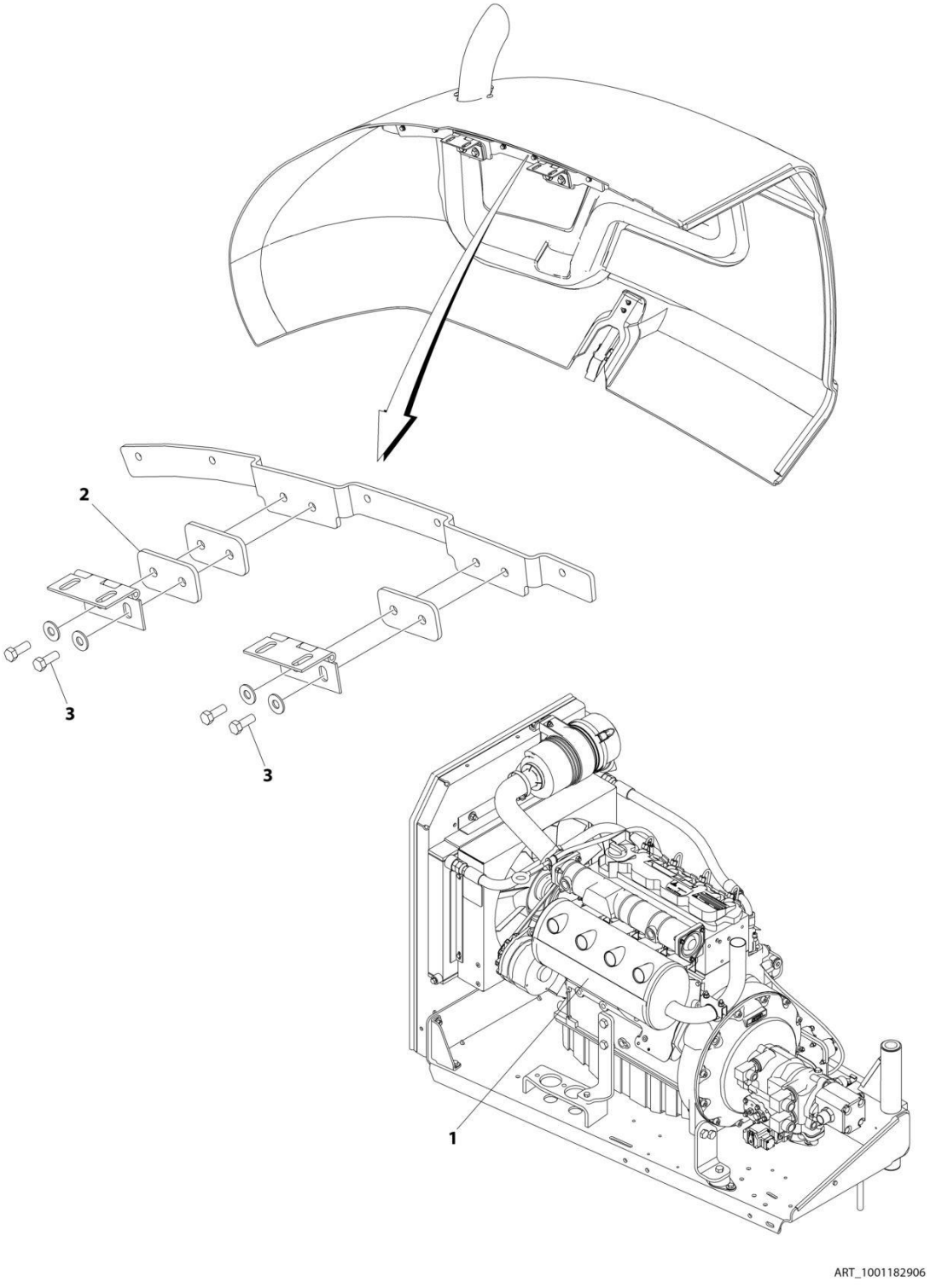


FIGURE 3-49. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182906	Ref	MUFFLER INSTALLATION SPARK ARRESTOR	B
1	3220103	1	Muffler	
2	1001169610	1	Spacer	
3	0641608	4	Bolt 3/8 x 1	

FIGURE 3-50. EXHAUST PIPE INSTALLATION - FORD ENGINES

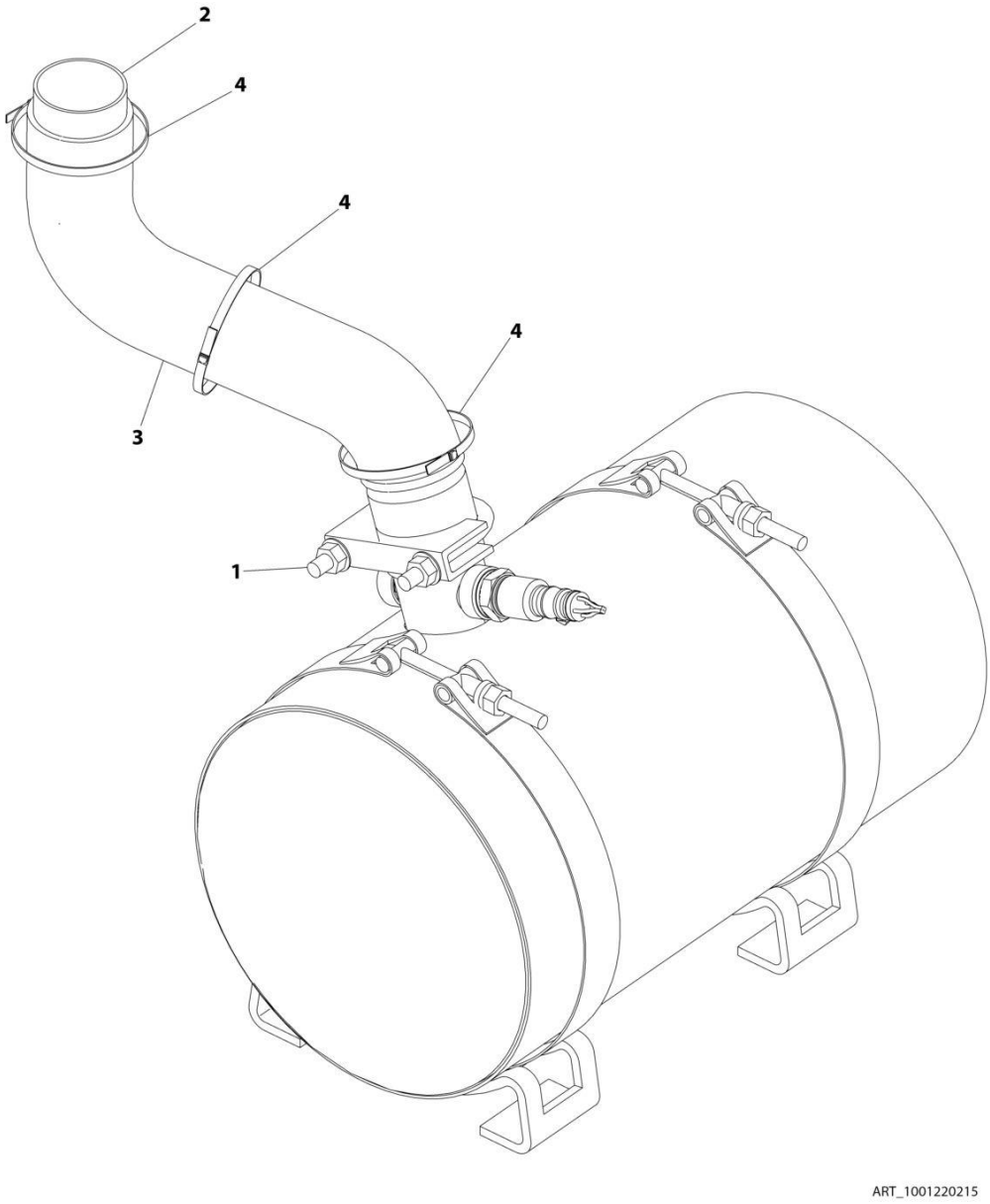


FIGURE 3-50. EXHAUST PIPE INSTALLATION - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220215	Ref	EXHAUST PIPE INSTALLATION	B
1	1001221397	1	Clamp	
2	1001216160	1	Pipe, Tail	
3	1001216536	1	Insulate	
4	1001100825	3	Strap	

FIGURE 3-51. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ D2011 ENGINES (OPTIONAL)

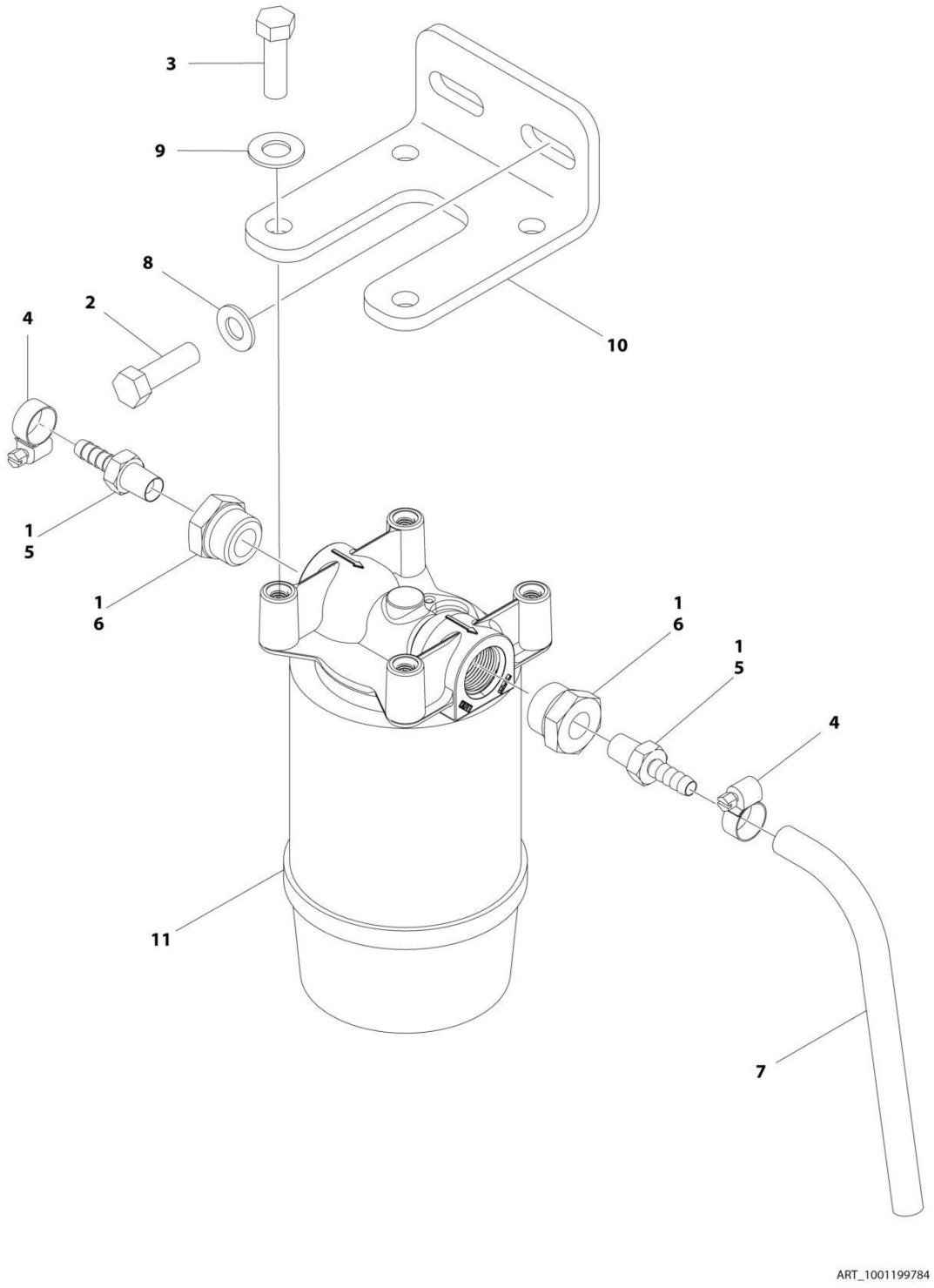


FIGURE 3-51. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ D2011 ENGINES (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001199784	Ref	FUEL-WATER SEPARATOR INSTALLATION	A
1	0100079	AR	Sealant	
2	0641607	2	Bolt 3/8 x 7/8	
3	0641610	4	Bolt 3/8 x 1-1/4	
4	1320022	2	Clamp	
5	2180348	2	Fitting, Straight	
6	2220816	2	Fitting, Straight	
7	2720058	12 in /31cm	Hose	
8	4711600	2	Washer 3/8	
9	4711700	4	Washer 7/16	
10	1001188884	1	Bracket	
11	1001188887	1	Fuel/Water Separator Assembly	
11	1001202280	1	Head	
11	1001202281	1	Element	

FIGURE 3-52. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITHOUT GENERATORS)

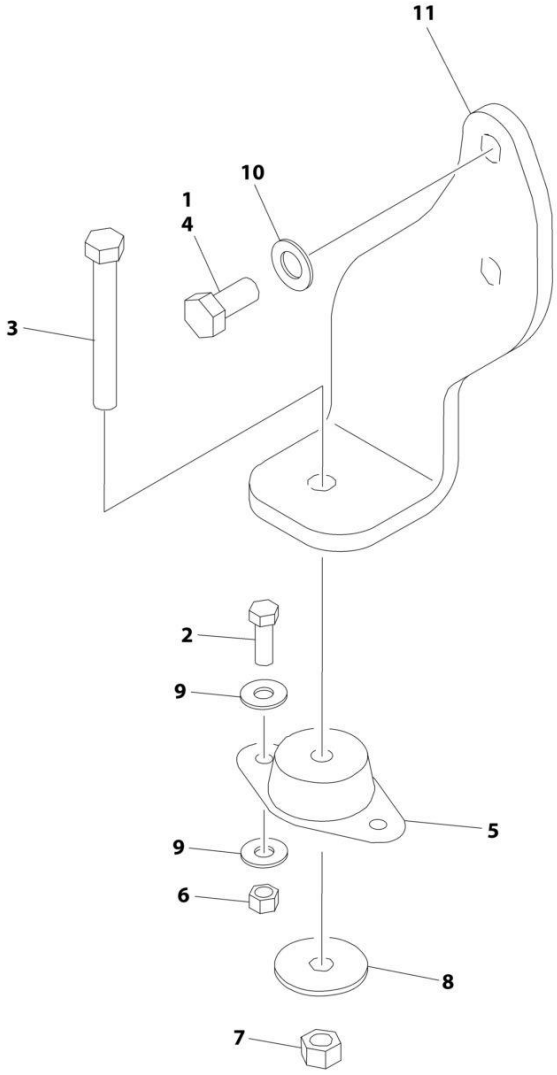


FIGURE 3-52. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITHOUT GENERATORS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151253	Ref	RIGHT ENGINE SUPPORT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641609	2	Bolt 3/8 x 1-1/8	
3	0641820	1	Bolt 1/2 x 2-1/2	
4	0711414	2	Bolt M14 x 30 Grade 10.9	
5	3200401	1	Mount, Motor	
6	3311605	2	Nut 3/8	
7	3311805	1	Nut 1/2	
8	4740274	1	Washer	
9	4751600	4	Washer 3/8	
10	4812200	2	Washer M14	
11	1001149703	1	Support, Engine (Right Front)	

FIGURE 3-53. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITH GENERATORS)

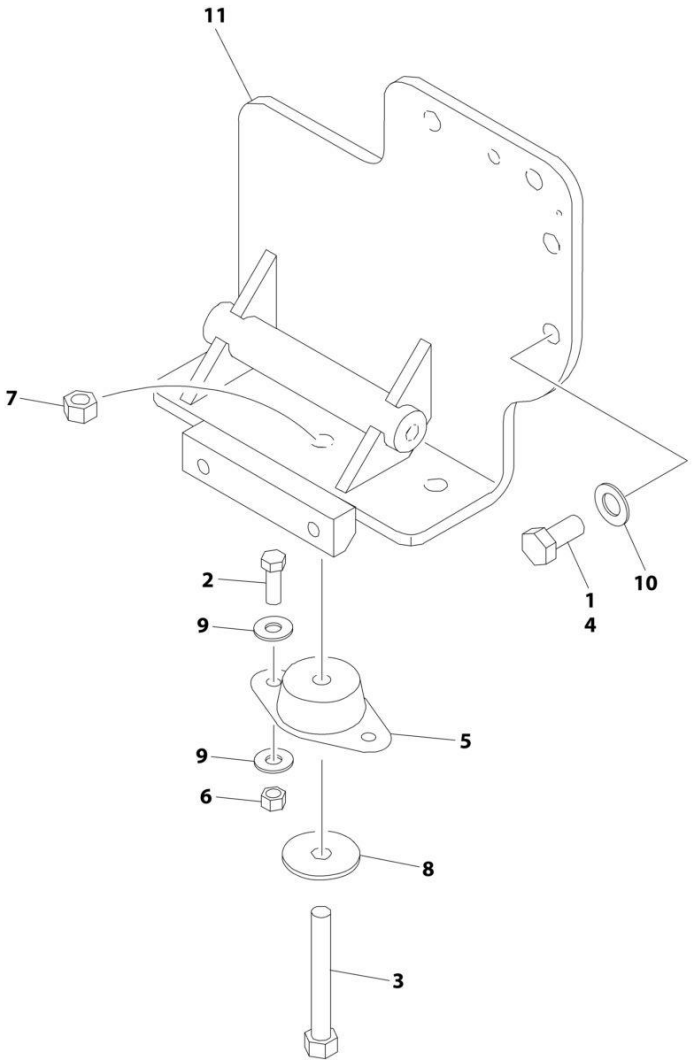


FIGURE 3-53. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITH GENERATORS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151252	Ref	RIGHT ENGINE SUPPORT INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641609	2	Bolt 3/8 x 1-1/8	
3	0641818	1	Bolt 1/2 x 2-1/2	
4	0711414	3	Bolt M14 x 30 Grade 10.9	
5	3200401	1	Mount, Motor	
6	3311605	2	Nut 3/8	
7	3311805	1	Nut 1/2	
8	4740274	1	Washer	
9	4751600	4	Washer 3/8	
10	4812200	3	Washer M14	
11	1001150890	1	Support, Engine (Right Front)	

FIGURE 3-54. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ TD2.2L3 ENGINES MACHINES WITHOUT GENERATORS)

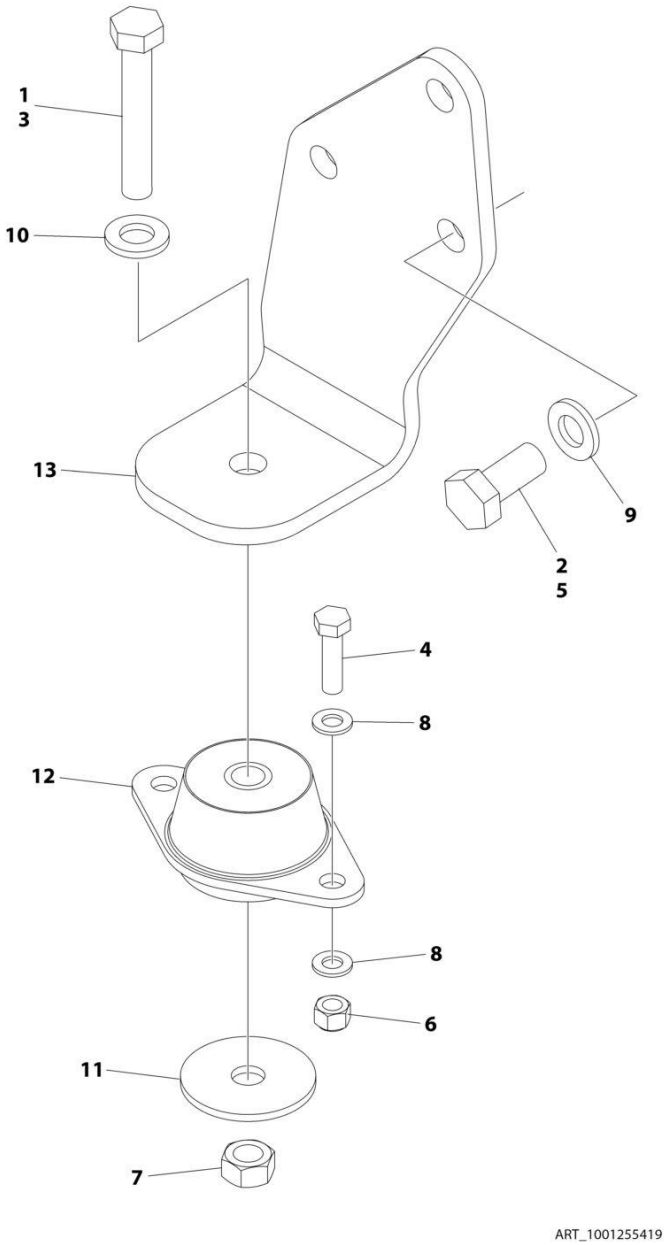


FIGURE 3-54. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ TD2.2L3 ENGINES MACHINES WITHOUT GENERATORS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255419	Ref	RIGHT ENGINE SUPPORT INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0711223	1	Bolt M12 x 75	
4	0700814	2	Bolt M8 x 30	
5	0771414	3	Bolt M14 x 30	
6	3290805	2	Nut M8	
7	3331211	1	Nut M12	
8	4811900	4	Washer M8	
9	4812200	3	Washer M14	
10	5241200	1	Washer M12 Hardened	
11	1001168018	1	Washer, Snubbing	
12	1001166718	1	Mount, Motor	
13	1001249986	1	Support, Engine (Right Front)	

FIGURE 3-55. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ TD2.2L3 ENGINES MACHINES WITH GENERATORS)

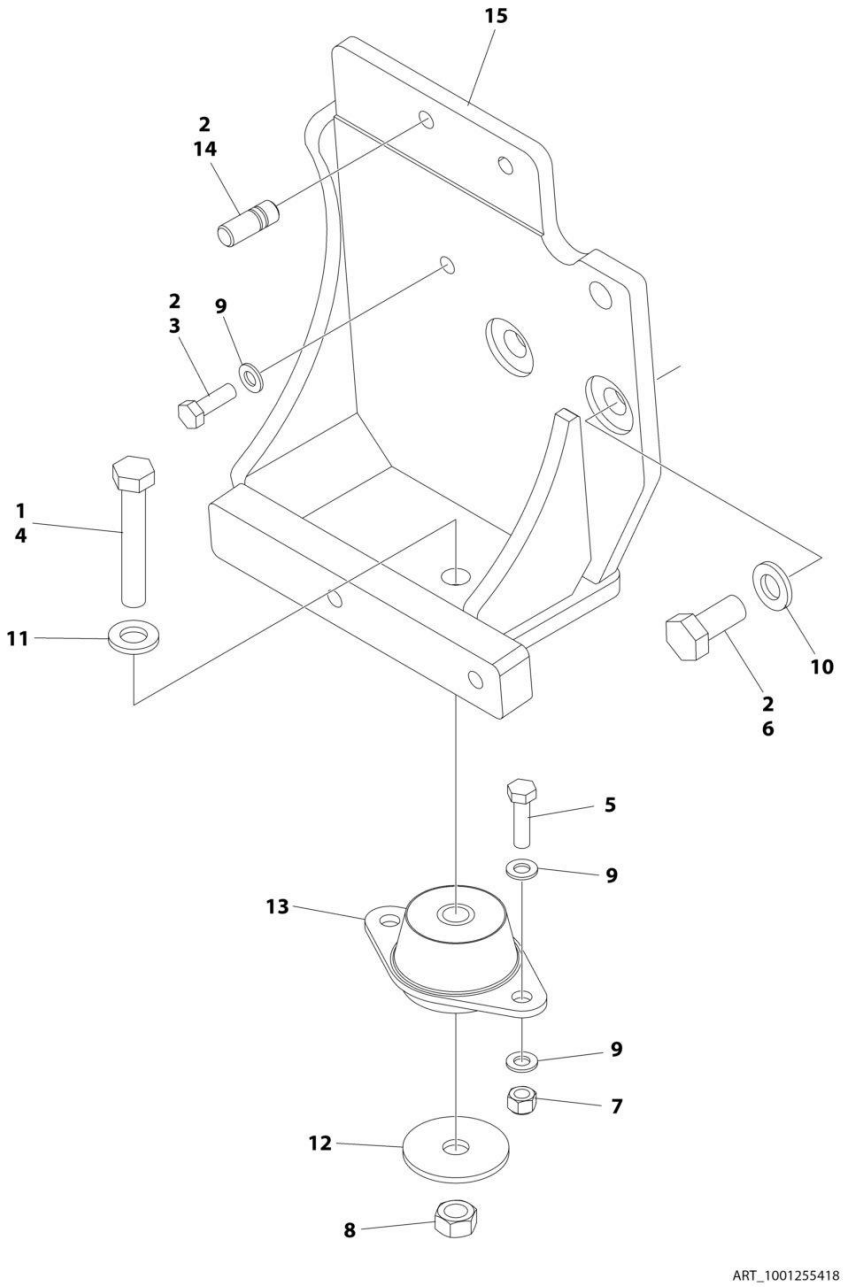


FIGURE 3-55. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ TD2.2L3 ENGINES MACHINES WITH GENERATORS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255418	Ref	RIGHT ENGINE SUPPORT INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0700812	1	Bolt M8 x 25	
4	0711223	1	Bolt M12 x 75	
5	0700814	2	Bolt M8 x 30	
6	0771414	3	Bolt M14 x 30	
7	3290805	2	Nut M8	
8	3331211	1	Nut M12	
9	4811900	5	Washer M8	
10	4812200	3	Washer M14	
11	5241200	1	Washer M12 Hardened	
12	1001168018	1	Washer, Snubbing	
13	1001166718	1	Mount, Motor	
14	1001196382	1	Stud	
15	1001247178	1	Support, Engine (Right Front)	

FIGURE 3-56. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ TD2.9L4 ENGINES MACHINES WITHOUT GENERATORS)

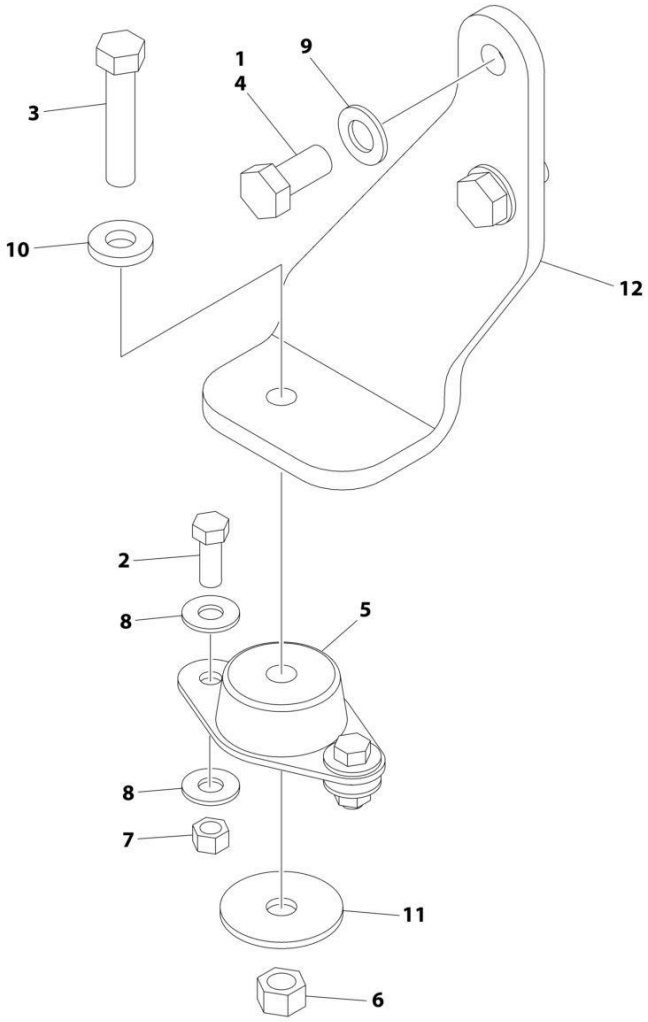


FIGURE 3-56. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ TD2.9L4 ENGINES MACHINES WITHOUT GENERATORS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177043	Ref	RIGHT ENGINE SUPPORT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641608	2	Bolt 3/8 x 1	
3	0681820	1	Bolt 1/2 x 2-1/2	
4	0771414	2	Bolt M14 x 30 Grade 10.9	
5	3200401	1	Mount, Motor	
6	3271801	1	Nut 1/2	
7	3311605	2	Nut 3/8	
8	4751600	4	Washer 3/8	
9	4812200	2	Washer M14	
10	4891800	1	Washer 1/2 Hardened	
11	1001139409	1	Washer, Snubbing	
12	1001177038	1	Support, Engine (Right Front)	

FIGURE 3-57. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ TD2.9L4 ENGINES MACHINES WITH GENERATORS)

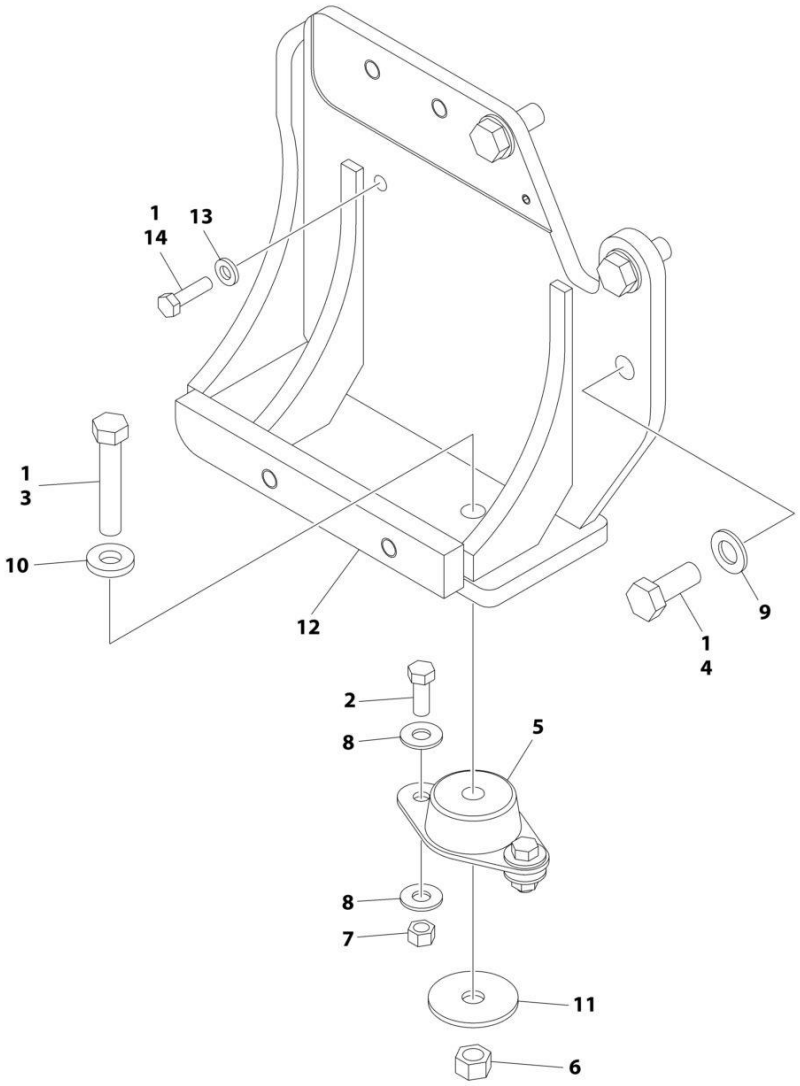


FIGURE 3-57. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ TD2.9L4 ENGINES MACHINES WITH GENERATORS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177399	Ref	RIGHT ENGINE SUPPORT INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641608	2	Bolt 3/8 x 1	
3	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
4	0771415	3	Bolt M14 x 35	
5	3200401	1	Mount, Motor	
6	3271801	1	Nut 1/2 Grade 8	
7	3311605	2	Nut 3/8	
8	4751600	4	Washer 3/8	
9	4812200	2	Washer M14	
10	4891800	1	Washer 1/2 Hardened	
11	1001139409	1	Washer, Snubbing	
12	1001202368	1	Support, Engine (Right Front)	
13	5240800	1	Washer M8 Hardened	
14	0700814	1	Bolt M8 x 30	

FIGURE 3-58. ENGINE TRAY JACK INSTALLATION - DEUTZ D2011 ENIGNES

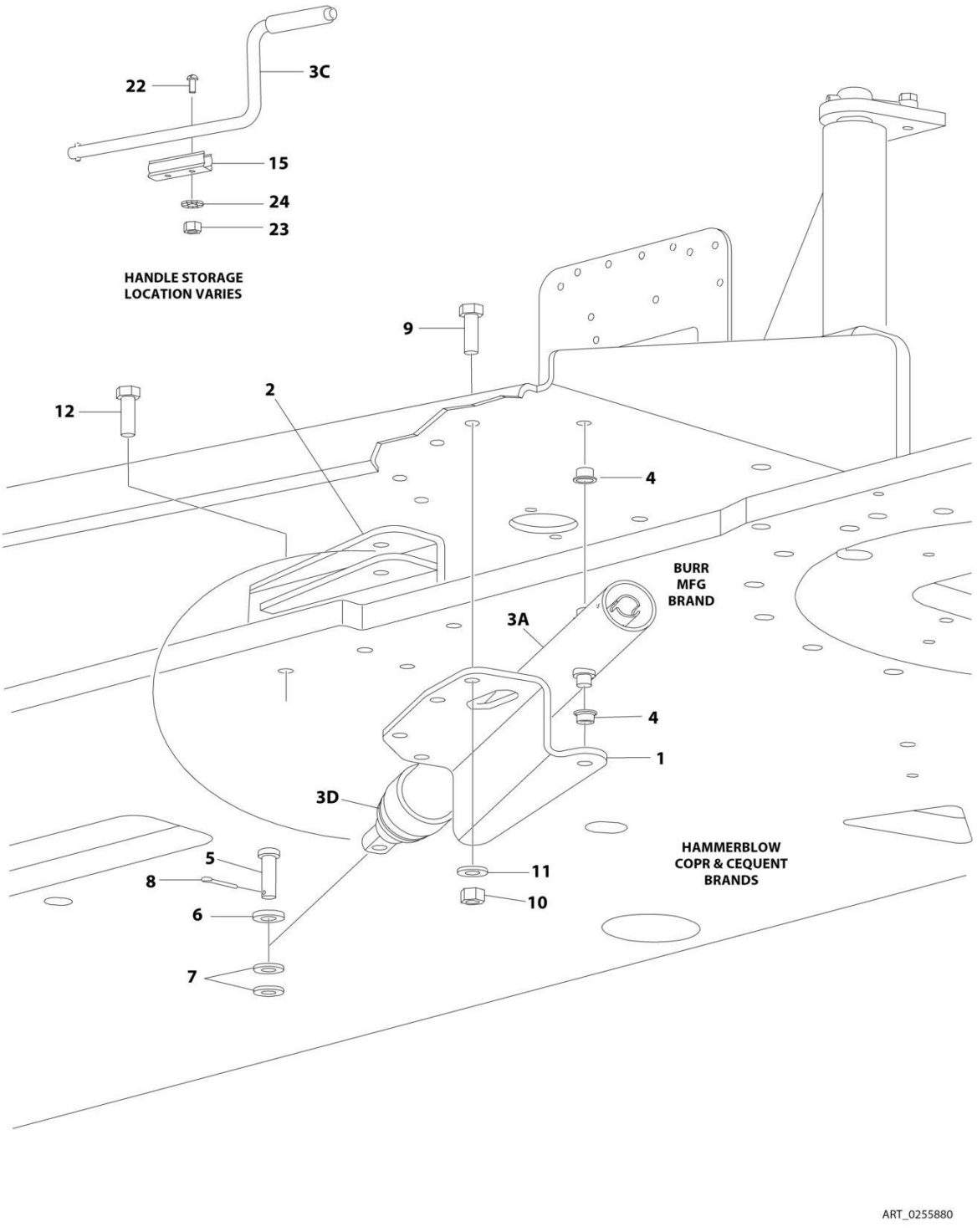


FIGURE 3-58. ENGINE TRAY JACK INSTALLATION - DEUTZ D2011 ENIGNES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0255880	Ref	ENGINE TRAY JACK INSTALLATION	6-H
1	3537445	1	Bracket	
2	4845163	1	Bracket	
3	2840018	1	Hydraulic Jack Assembly (Not Shown)	
3A		Ref	Burr Manufacturing Brand	
3B		Ref	Hammer blow Corp and Cequent Brands	
3C		Ref	Handle Options:	
3C	7016374	1	Burr Manufacturing Brand	
3C	7024598	1	Hammer blow Corp and Cequent Brands	
3D	7016322	1	Wiper (Burr Manufacturing Brand Only)	
4	0962051	2	Bushing, Flanged	
5	3430816	1	Pin, Clevis	
6	4891800	1	Washer 1/2 Hardened	
7	4711800	2	Washer 1/2	
8	3450404	1	Pin, Cotter 1/8 x 1	
9	0641609	4	Bolt 3/8 x 1-1/8	
10	3311605	4	Nut 3/8	
11	4891600	4	Washer 3/8	
12	0641810	4	Bolt 1/2 x 1-1/4	
15	1380147	1	Clip, Spring	
22	3910608	2	Screw #6 x 1	
23	3310601	2	Nut #6	
24	4770600	2	Washer #6	

FIGURE 3-59. ENGINE TRAY JACK INSTALLATION - DEUTZ TD2.9L4 & TD2.2L3 STAGE V ENGINES

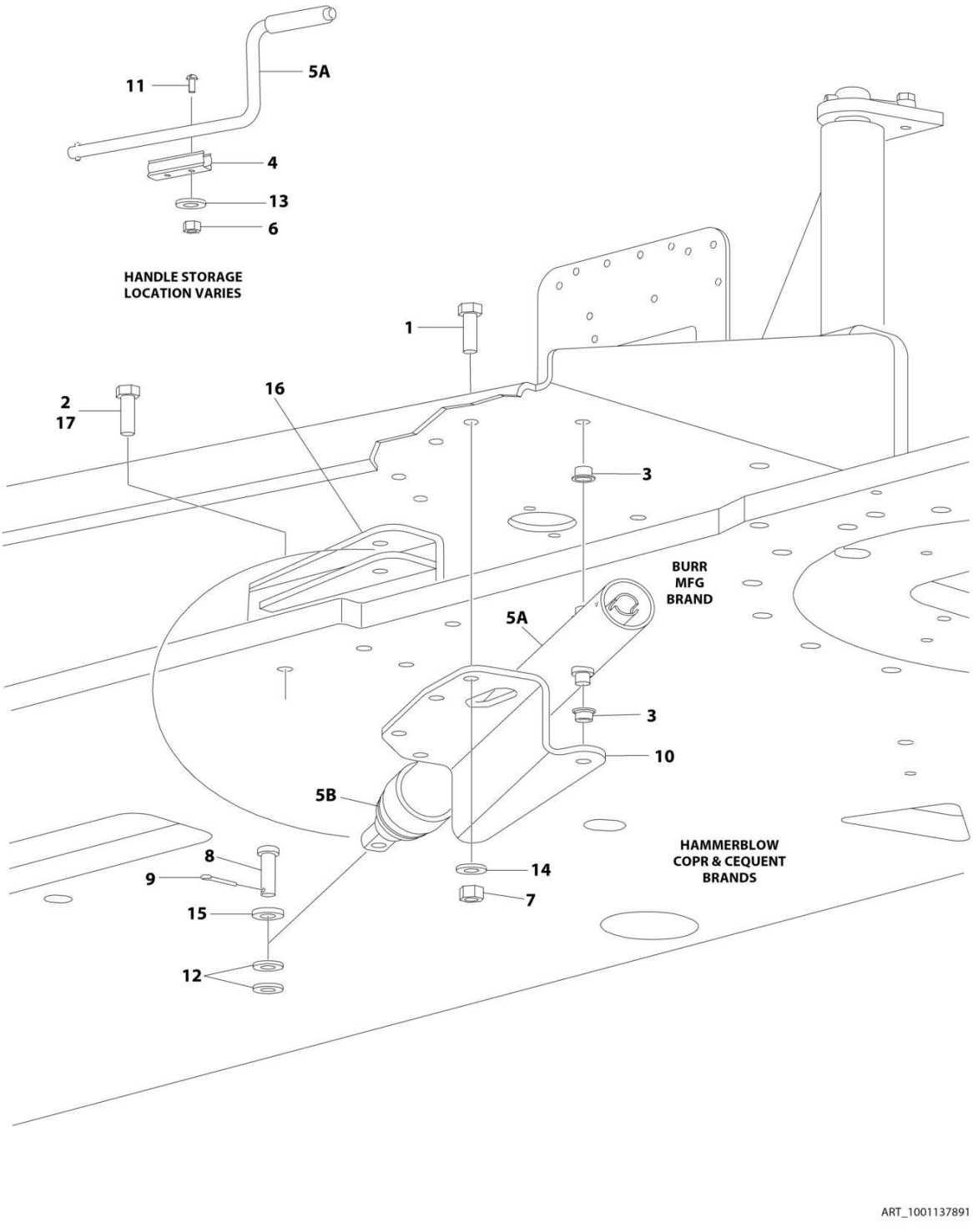


FIGURE 3-59. ENGINE TRAY JACK INSTALLATION - DEUTZ TD2.9L4 & TD2.2L3 STAGE V ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137891	Ref	ENGINE TRAY JACK INSTALLATION	B
1	0641609	4	Bolt 3/8 x 1-1/8	
2	0641810	4	Bolt 1/2 x 1-1/4	
3	0962051	2	Bushing, Flanged	
4	1380147	1	Clip, Spring	
5	2840016	1	Jack and Handle Assembly (Not Shown)	
5A		Ref	Handle Options:	
5A	7016374	1	Burr Manufacturing Brand	
5A	7024598	1	Hammer blow Corp Brand	
5B	7016322	1	Wiper (Burr Manufacturing Brand Only)	
6	3310601	2	Nut #6	
7	3311605	4	Nut 3/8	
8	3430816	1	Pin, Clevis	
9	3450404	1	Pin, Cotter 1/8 x 1	
10	3537445	1	Bracket	
11	3910608	2	Screw #6 x 1	
12	4711800	6	Washer 1/2	
13	4770600	2	Washer #6	
14	4891600	4	Washer 3/8	
15	4891800	1	Washer 1/2 Hardened	
16	1001137892	1	Bracket	
17	0100011	AR	Compound, Locking	

FIGURE 3-60. ENGINE TRAY JACK INSTALLATION - FORD ENIGNES

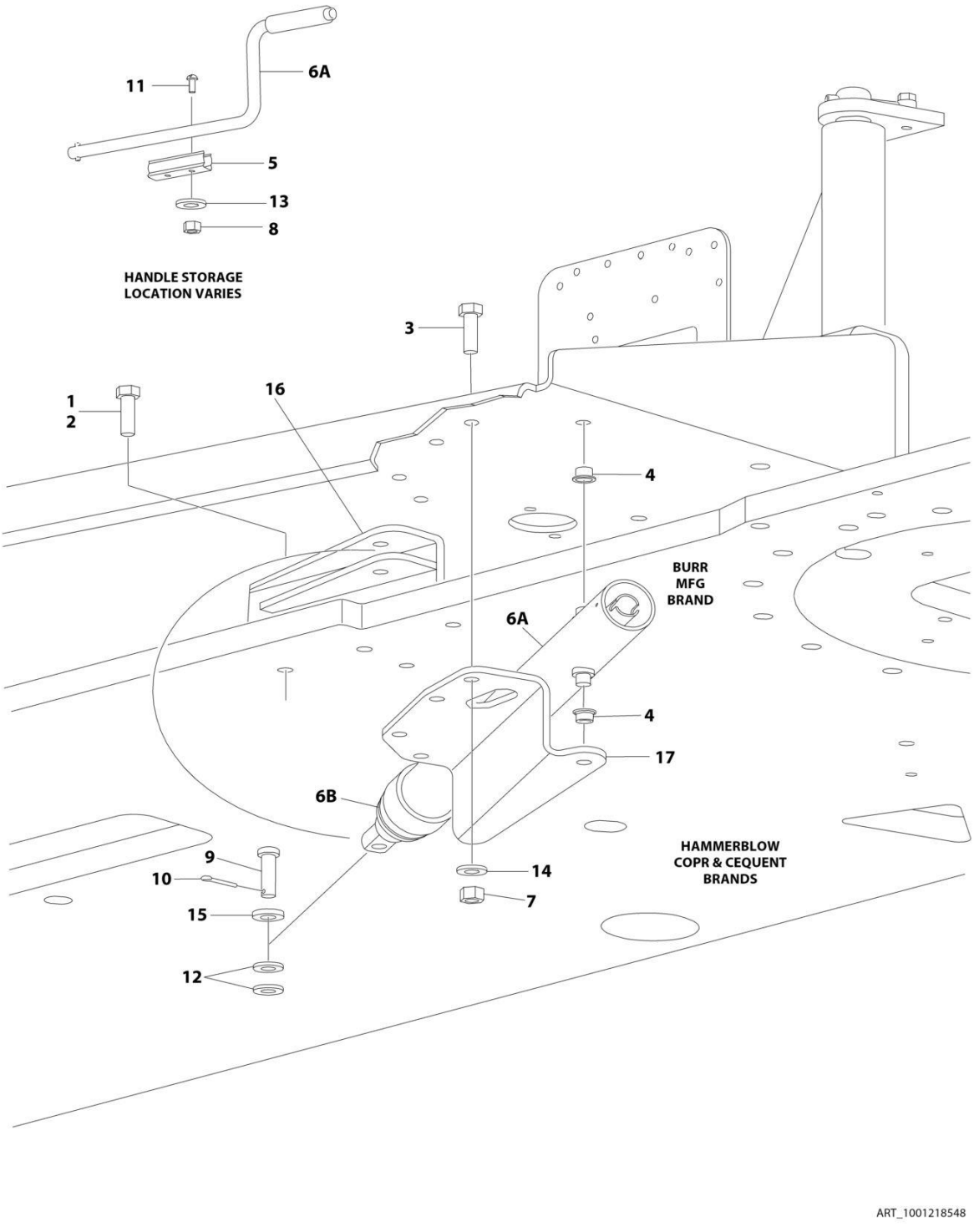


FIGURE 3-60. ENGINE TRAY JACK INSTALLATION - FORD ENIGNES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001218548	Ref	ENGINE TRAY JACK INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641810	4	Bolt 1/2 x 1-1/4	
3	0761014	3	Bolt M10 x 30	
4	0962051	2	Bushing, Flanged	
5	1380147	1	Clip, Spring	
6	2840016	1	Jack and Handle Assembly (Not Shown)	
6A		Ref	Handle Options:	
6A	7016374	1	Burr Manufacturing Brand	
6A	7024598	1	Hammer blow Corp Brand	
6B	7016322	1	Wiper (Burr Manufacturing Brand Only)	
7	3291007	3	Nut M10	
8	3310601	2	Nut #6	
9	3430816	1	Pin, Clevis	
10	3450404	1	Pin, Cotter 1/8 x 1	
11	3910608	2	Screw #6 x 1	
12	4711800	6	Washer 1/2	
13	4770600	2	Washer #6	
14	4812000	6	Washer M10	
15	4891800	1	Washer 1/2 Hardened	
16	1001137892	1	Bracket	
17	1001218547	1	Bracket	

FIGURE 3-61. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

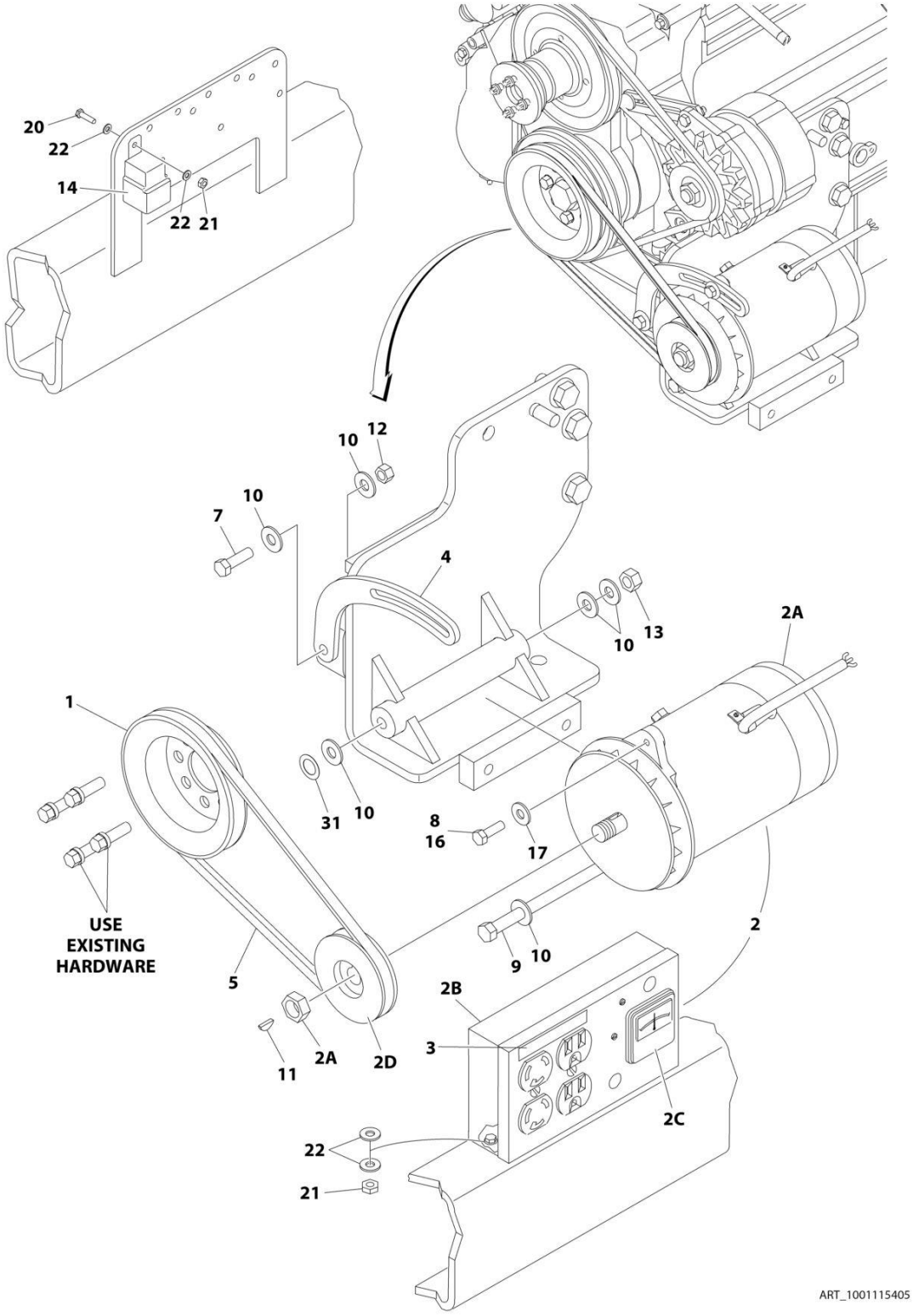


FIGURE 3-61. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115405	Ref	2500W GENERATOR INSTALLATION - 110V/60Hz	B
1	3580158	1	Pulley	
2	2460055	1	Generator and Control Box Assembly:	
2A	7012558	1	Generator Only - 110V/60Hz	
2A		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.	
2A	7026199	1	Armature with Slip Rings	
2A	7012513	4	Cap, Brush Holder	
2A	7020108	4	Brush	
2A	7020109	4	Holder, Brush	
2A	7012514	1	Fan	
2A	7020110	1	Bell, Front	
2A	7020111	1	Bell, Rear	
2A	7020190	1	Bearing	
2B	7019680	1	Box, Control	
2B		Ref	Receptacle Options:	
2B	4460190	1	Receptacle, Standard	
2B	4460027	1	Receptacle, Twistlock	
2B	4360542	1	Breaker, Circuit	
2B	3520028	1	Plug, Hole	
2C	2420203	1	Voltmeter	
2D	3580276	1	Pulley	
2D	7027887	1	Key, Woodruff	
3	3251243	1	Decal - 110V/60Hz	
4	0200742	1	Arm, Adjusting	
5	0480121	1	V-Belt	
7	0641610	1	Bolt 3/8 x 1-1/4	
8	0100011	AR	Compound, Locking	
9	0641772	1	Bolt 7/16 x 9	
10	4751600	6	Washer 3/8	
11	2860012	1	Key, Woodruff	
12	3311605	1	Nut 3/8	
13	3311705	1	Nut 7/16	
14	3740080	1	Relay	
16	0641508	1	Bolt 5/16 x 1	
17	4751500	AR	Washer 5/16	
18	1001112588	1	Wiring Diagram Components (Not Shown)	
18	1001112589	1	Generator Harness (Not Shown)	
18	4922641	1	Generator ON/OFF Switch Harness (Not Shown - Located at Platform)	
20	0721006	AR	Bolt #10 x 3/4	
21	3311005	3	Nut #10	
22	4751000	AR	Washer #10	
25	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
26	4740397	1	Bushing (Not Shown - Located at Platform)	
27	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
29	2820031	4 in/ 10cm	Heat Shrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	
31	4070585	AR	Shim	

FIGURE 3-62. 2500W/220V/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

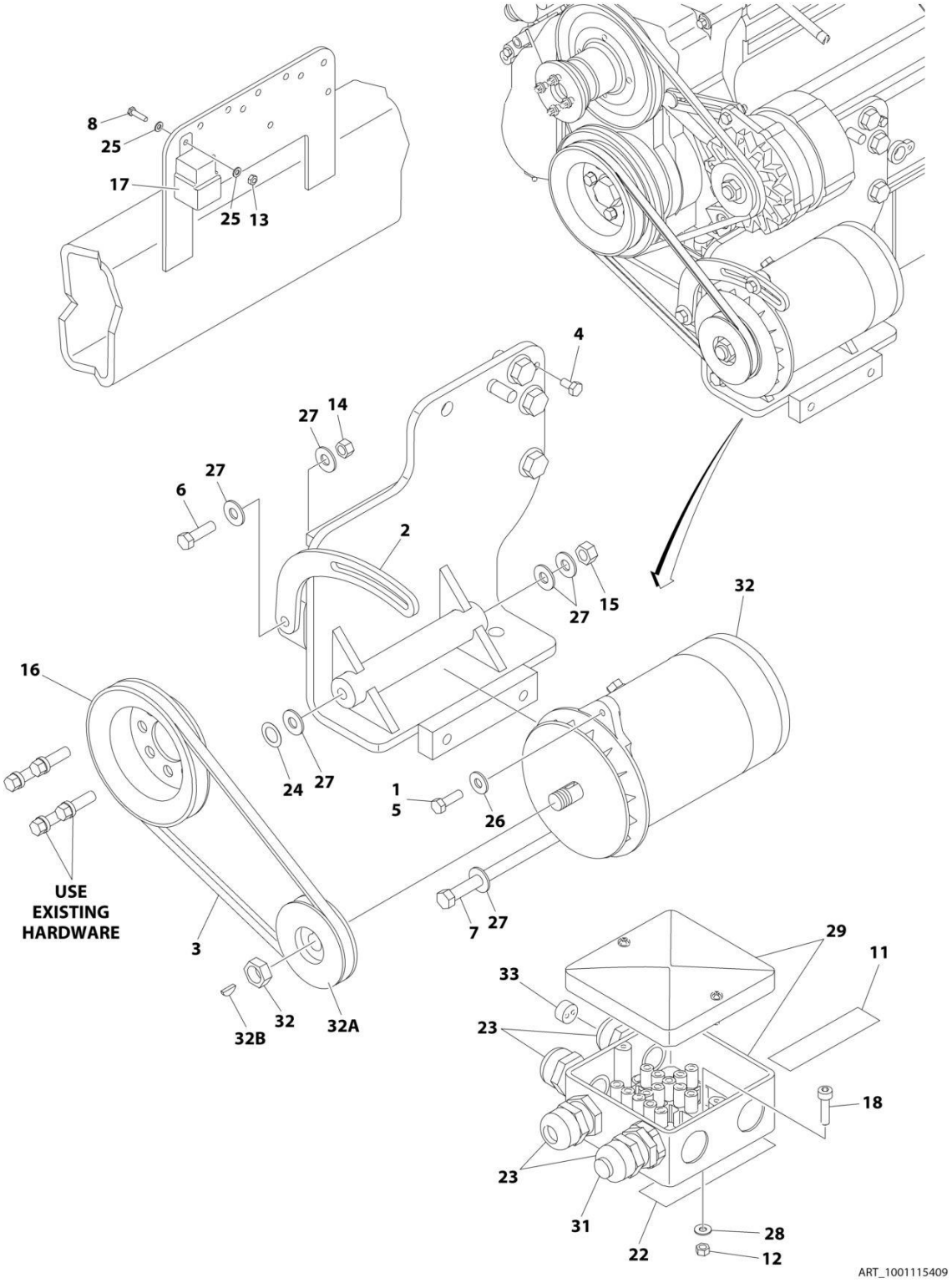


FIGURE 3-62. 2500W/220V/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115409	Ref	2500W GENERATOR INSTALLATION - 220V/50Hz	B
1	0100011	AR	Compound, Locking	
2	0200742	1	Arm, Adjusting	
3	0480121	1	V-Belt	
4	0641404	1	Bolt 1/4 x 1/2	
5	0641508	1	Bolt 5/16 x 1	
6	0641610	1	Bolt 3/8 x 1-1/4	
7	0641772	1	Bolt 7/16 x 9	
8	0721006	AR	Bolt #10 x 3/4	
9	2820031	4 in/10cm	Heat Shrink (Not Shown - Located at Platform)	
10	3251102	1	Decal (Not Shown - Located at Platform)	
11	3252507	2	Decal - 220V - 50Hz	
		Ref	Note: One Decal Not Shown - Located on the Inside of Platform Rail.	
12	3290505	1	Nut M5	
13	3311005	1	Nut #10	
14	3311605	1	Nut 3/8	
15	3311705	1	Nut 7/16	
16	3580158	1	Pulley	
17	3740080	1	Relay	
18	4031608	1	Bolt M5 x 20	
19	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
20	4240018	1	Tie Strap (Not Shown)	
21	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
22	4420060	AR	Tape, Double Coated Acrylic Foam	
23	4460968	3	Connector, Strain Relief	
24	4740397	1	Shim	
25	4751000	2	Washer #10	
26	4751500	1	Washer 5/16	
27	4751600	6	Washer 3/8	
28	4811600	1	Washer M5	
29	1001099869	1	Box, Junction	
30		Ref	Wiring Diagram Components (Not Shown)	
30	4922641	1	Generator On/Off Switch Harness (Not Shown - Located at Platform)	
30	1001112589	1	Generator Harness (Not Shown)	
31	1001100234	1	Light, Red	
32	1001100321	1	Generator	
32	70000123	1	Armature with Slip Rings	
32	7012513	4	Cap, Brush Holder	
32	7020108	4	Brush	
32	7020109	4	Holder, Brush	
32	7012514	1	Fan	
32	7020110	1	Bell, Front	
32	7020111	1	Bell, Rear	
32	7020190	1	Bearing	
32A	3580134	1	Pulley - 50Hz	
32B	7027887	1	Key, Woodruff	
33	0962449	1	Bushing	

FIGURE 3-63. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

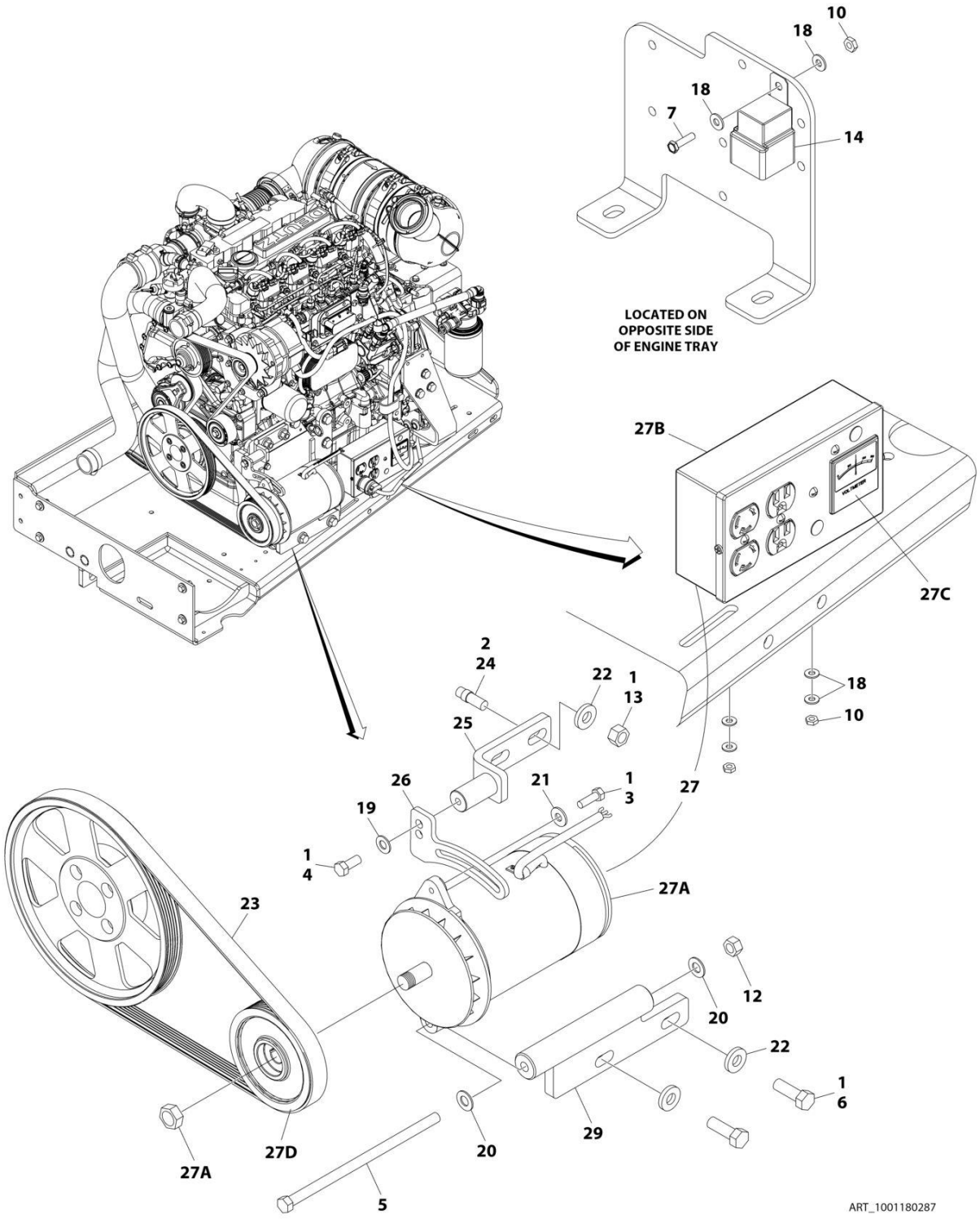


FIGURE 3-63. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180287	Ref	2500W GENERATOR INSTALLATION - DEUTZ TD2.9L4 (OPTIONAL)	C
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641508	1	Bolt 5/16 x 1	
4	0641607	1	Bolt 3/8 x 7/8	
5	0641772	1	Bolt 7/16 x 9	
6	0641812	2	Bolt 1/2 x 1-1/2	
7	0721006	1	Screw #10 x 3/4	
8	2820031	AR	Heat Shrink (Not Shown - Located at Platform)	
9	3251102	1	Name Plate - Generator On (Not Shown - Located at Platform)	
10	3311005	3	Nut #10	
12	3311705	1	Nut 7/16	
13	3311801	2	Nut 1/2	
14	3740080	1	Relay	
15	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
16	4240018	AR	Strap, Cable Tie (Not Shown)	
17	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
18	4711000	6	Washer #10	
19	4711600	1	Washer 3/8	
20	4711700	2	Washer 7/16	
21	4751500	1	Washer 5/16	
22	4891800	4	Washer 1/2	
23	1001148138	1	V-Belt	
24	1001163599	2	Stud	
25	1001216015	1	Bracket	
26	1001179837	1	Arm, Adjustment	
27	1001180001	1	Generator and Control Box Assembly	
27A	7012558	1	Generator Only - 110V/60Hz	
27A		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.	
27A	7026199	1	Armature with Slip Rings	
27A	7012513	4	Cap, Brush Holder	
27A	7020108	4	Brush	
27A	7020109	4	Holder, Brush	
27A	7012514	1	Fan	
27A	7020110	1	Bell, Front	
27A	7020111	1	Bell, Rear	
27A	7020190	2	Bearing	
27B	7019680	1	Box, Control - 110V/60Hz	
27B		Ref	Receptacle Options:	
27B	4460190	1	Receptacle, Standard (110V Only)	
27B	4460027	1	Receptacle, Twistlock (110V Only)	
27B	4360542	1	Breaker, Circuit	
27B	3520028	1	Plug, Hole	
27C	2420203	1	Voltmeter	
27D	3580276	1	Pulley	
27D	7027887	1	Key, Woodruff	
28		Ref	Wiring Diagram Components (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
28	4922641	1	Generator On/Off Switch Harness (Not Shown - Located at Platform)	
28	1001180052	1	Generator Harness (Not Shown)	
29	1001181243	1	Mount, Generator	

FIGURE 3-64. 2500W/220V/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES (ANSI EXPORT AND CHINA SPECS)

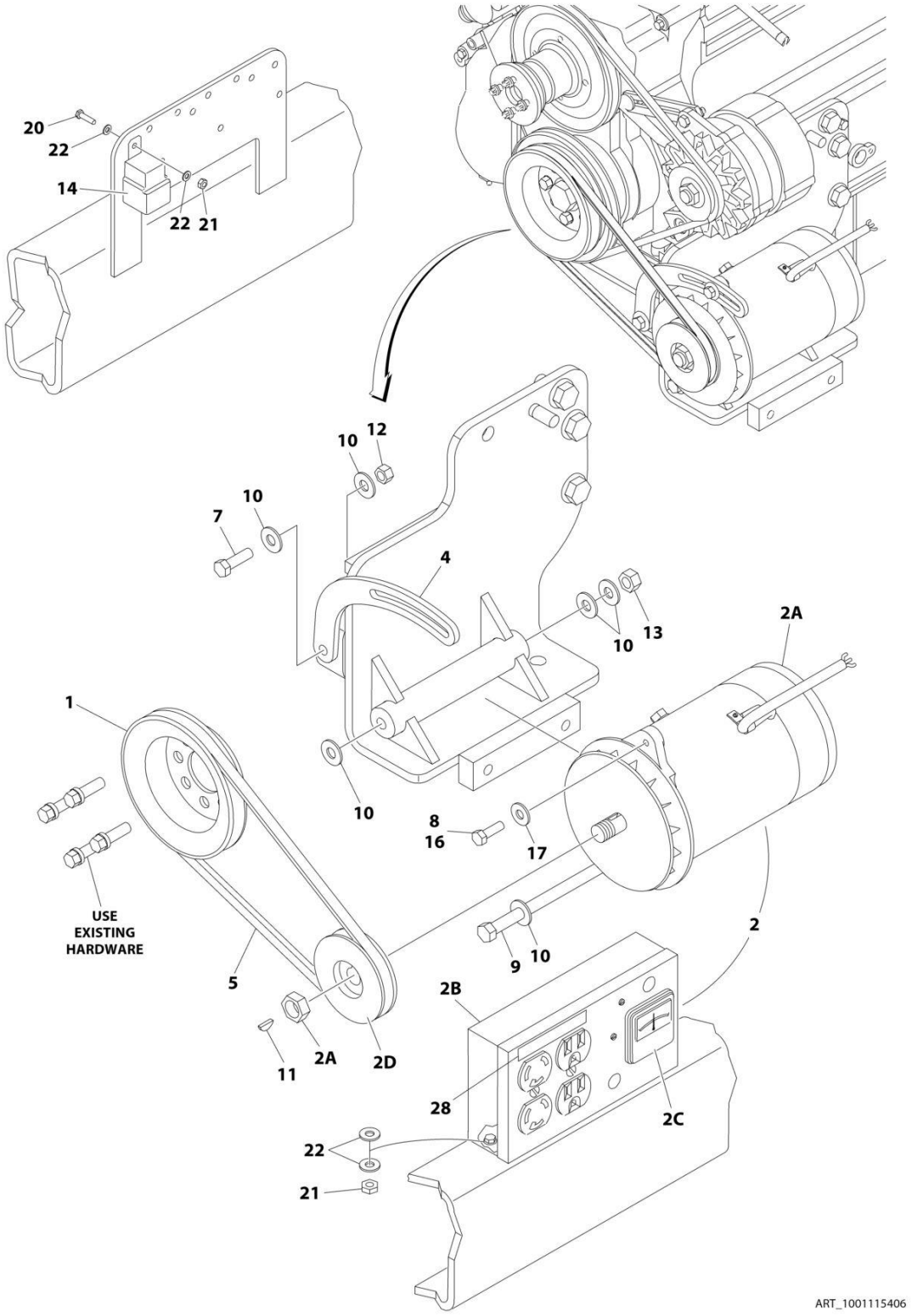


FIGURE 3-64. 2500W/220V/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES (ANSI EXPORT AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115406	Ref	2500W GENERATOR INSTALLATION - 220V/50Hz	B
1	3580158	1	Pulley	
2	2460056	1	Generator and Control Box Assembly:	
2A	1001100321	1	Generator Only	
2A		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.	
2A	70000123	1	Armature with Slip Rings	
2A	7012513	4	Cap, Brush Holder	
2A	7020108	4	Brush	
2A	7020109	4	Holder, Brush	
2A	7012514	1	Fan	
2A	7020110	1	Bell, Front	
2A	7020111	1	Bell, Rear	
2A	7020190	1	Bearing	
2B	70000127	1	Box, Control	
2B		Ref	Receptacle Options:	
2B	70000124	1	Receptacle, Double	
2B	70000125	1	Receptacle, Single	
2B	70000126	1	Breaker, Circuit:	
2B	3520028	1	Plug, Hole	
2C	7020192	1	Voltmeter	
2D	3580134	1	Pulley	
2D	7027887	1	Key, Woodruff	
4	0200742	1	Arm, Adjusting	
5	0480121	1	V-Belt	
7	0641610	1	Bolt 3/8 x 1-1/4	
8	0100011	AR	Compound, Locking	
9	0641772	1	Bolt 7/16 x 9	
10	4751600	6	Washer 3/8	
11	2860012	1	Key, Woodruff	
12	3311605	1	Nut 3/8	
13	3311705	1	Nut 7/16	
14	3740080	1	Relay	
16	0641508	1	Bolt 5/16 x 1	
17	4751500	AR	Washer 5/16	
18	1001112588	1	Wiring Diagram Components (Not Shown)	
18	4922641	1	Generator ON/OFF Switch Harness (Not Shown - Located at Platform)	
18	1001112589	1	Generator Harness (Not Shown)	
20	0721006	1	Bolt #10 x 3/4	
21	3311005	1	Nut #10	
22	4751000	1	Washer #10	
25	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
26	4740397	1	Bushing (Not Shown - Located at Platform)	
27	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
28	3252507	2	Decal - 220V - 50Hz	
29	2820031	4 in/10cm	Heat Shrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	

FIGURE 3-65. 2500W GENERATOR INSTALLATION - FORD ENGINES

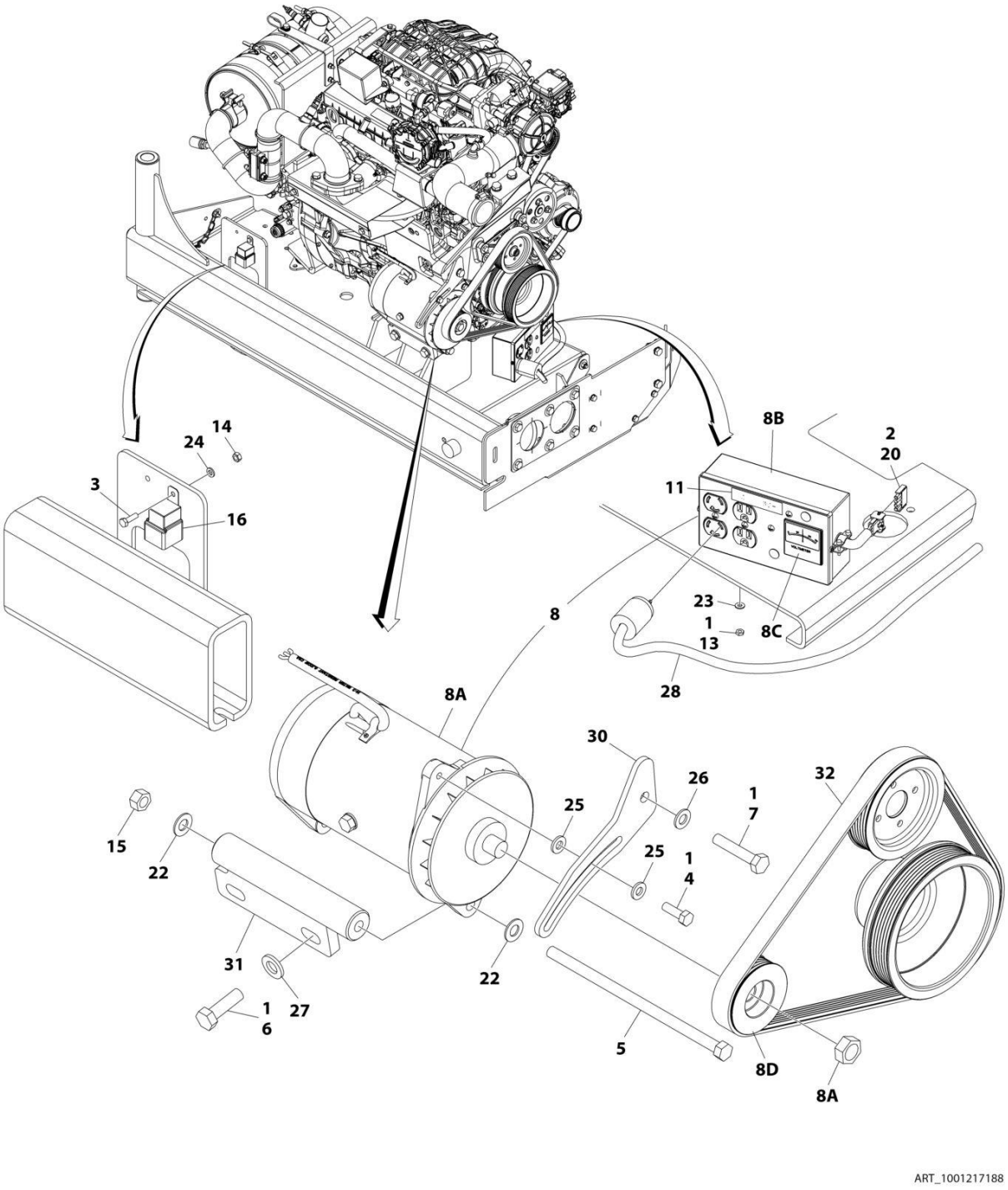


FIGURE 3-65. 2500W GENERATOR INSTALLATION - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217188	Ref	2500W GENERATOR INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0760610	1	Bolt M6 x 20	
4	0641508	1	Bolt 5/16 x 1	
5	0641772	1	Bolt 7/16 x 9	
6	0761216	2	Bolt M12 x 40	
7	0761019	1	Bolt M10 x 55	
8	2460051	1	Generator and Control Box Assembly	
8A	7012558	1	Generator Only - 110V/60Hz	
		Ref	Note: Replacement Generators come standard with pin 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
8A	7026199	1	Armature with Slip Rings	
8A	7012513	4	Cap, Brush Holder	
8A	7020108	4	Brush	
8A	7020109	4	Holder, Brush	
8A	7012514	1	Fan	
8A	7020110	1	Bell, Front	
8A	7020111	1	Bell, Rear	
8A	7020190	2	Bearing	
8B	7019680	1	Box, Control - 110V/60Hz	
8B		Ref	Receptacle Options:	
8B	4460190	Ref	Receptacle, Standard (110V Only)	
8B	4460027	1	Receptacle, Twistlock (110V Only)	
8B	4360542	1	Breaker, Circuit	
8B	3520028	1	Plug, Hole	
8C	2420203	1	Voltmeter	
8D	3580324	1	Pulley	
8D	7027887	1	Key, Woodruff	
9	2820031	1	Heat Shrink (Not Shown - Located at Platform)	
10	3251102	1	Nameplate Generator (Not Shown - Located at Platform)	
11	3251243	1	Decal - 120V-60Hz	
13	3311005	2	Nut #10	
14	3290601	1	Nut M6	
15	3311705	1	Nut 7/16	
16	3740080	1	Relay	
17	4060802	1	Guard Switch (Not Shown - Located at Platform)	
18	4240099	AR	Tie-Strap (Not Shown)	
19	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
20	4460321	1	Plug, Male - 4 Position	
21	4460906	1	Socket, Female (Not Shown)	
22	4711700	2	Washer 7/16	
23	4751000	2	Washer #10	
24	4811700	1	Washer M6	
25	4891500	2	Washer 5/16	
26	4812000	1	Washer M10	
27	5241200	2	Washer M12	
28	4921829	1	Harness, Inverter	
30	1001219632	1	Arm, Adjustment	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	1001219630	1	Mount, Generator	
32	1001216391	1	V-Belt	

FIGURE 3-66. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

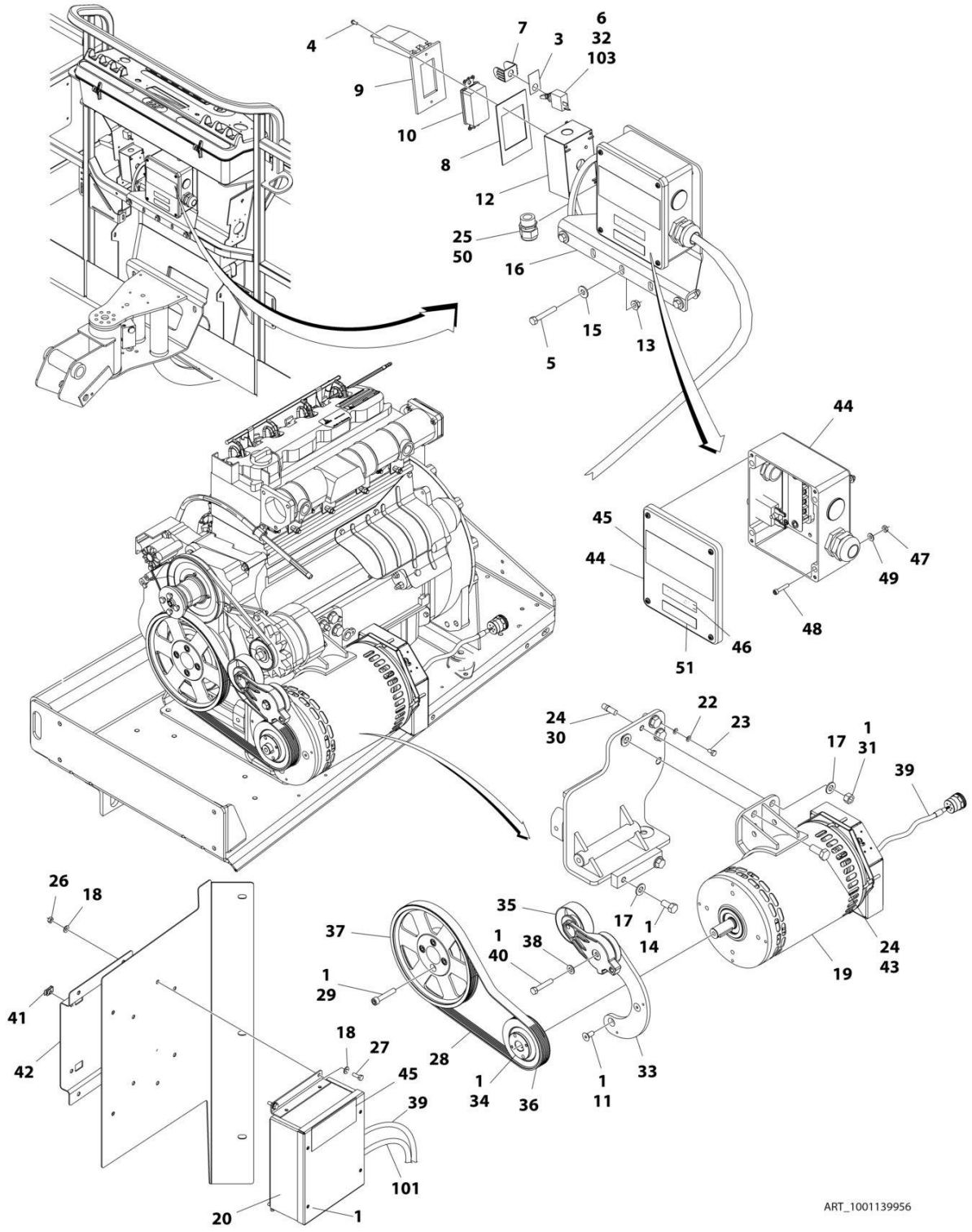


FIGURE 3-66. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139956	Ref	4000W/60Hz Generator Installation - Deutz D2011 Engines	B
1	0100011	1	Compound, Locking	
3	3251102	1	Nameplate, Generator	
4	3910606	4	Screw #6 x 3/8	
5	0641516	3	Bolt 5/16 x 2	
6	4360336	1	Switch, Toggle	
7	4060802	1	Guard, Switch	
8	3960422	1	Gasket, AC Receptacle	
9	1001110873	1	Cover, Gang Vertical Receptacle GFCI	
10	4460346	1	Receptacle	
11	0741607	3	Screw 3/8 x 7/8	
12	0860038	1	Box, Switch-Weatherhead	
13	3311508	3	Nut 5/16	
14	0641808	2	Bolt 1/2 x 1	
15	4751500	3	Washer 5/16	
16	0902888	1	Bracket, Junction Box	
17	4711800	3	Washer 1/2	
18	4711400	8	Washer 1/4	
19	1001129858	1	Generator Assembly	
19	70003709	1	Ring, Retaining (External)	
19	70003708	1	Ring, Retaining (Internal)	
19	70001966	1	Bearing	
19	70004092	1	Endbell (Shaft End)	
19	70004171	1	Key	
19	70004676	1	Rotor	
19	70004684	1	Stator	
19	70004678	1	Endbell (Rear)	
19	70004679	1	Cover, Endbell (Rear)	
19	70004680	1	Enclosure, Wiring	
19	70004685	1	Cover, Enclosure	
19	70004682	1	Switch, Reset (Located on Enclosure Cover)	
19	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
20	1001138566	1	Box, Control	
20	70006552	1	Capacitor	
20	70006553	1	Relay	
21	4240018	AR	Tie-Strap (Not Shown)	
22	4791400	2	Washer 1/4	
23	0641404	1	Bolt 1/4 x 1/2	
24	0100019	AR	Compound, Locking	
25	4460071	1	Connector, Strain Relief	
26	3311405	4	Nut 1/4	
27	0641406	4	Bolt 1/4 x 3/4	
28	0480129	1	Belt, Generator	
29	4032015	4	Capscrew M10 x 55	
30	4300157	1	Stud	
31	3311801	1	Nut 1/2	
32	2820031	AR	Heat Shrink	
33	1001139357	1	Mount, Tensioner	
34	0962520	1	Bushing, Split	
35	3580317	1	Tensioner, Belt with Pulley	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
36	3580318	1	Pulley, Generator	
37	3580320	1	Pulley, Engine Deutz	
38	4711600	1	Washer 3/8	
39	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
40	0641616	1	Bolt 3/8 x 2	
41	3300454	4	Nut, U-Style 1/4	
42	3575863	1	Plate	
43	0771415	1	Bolt M14 x 35 Grade 10.9	
44	1001152457	1	Junction Box Assembly	
44	3300396	1	Cover, Breaker	
44	4360070	1	Breaker, Circuit - 15Amp	
44	4460425	1	Connector, Strain Relief (LH Side)	
44	4460426	1	Connector, Strain Relief (RH Side)	
44	1001152530	1	Block, Terminal	
44	1001158363	1	Cover, Terminal Block	
44	1001153260	1	Decal - Wiring Diagram	
45	1705387	3	Decal - Hazardous Voltage	
46	3251243	1	Decal, 120V-60Hz	
47	3311005	4	Nut #10	
48	3931016	4	Capscrew #10 x 1	
49	4751000	4	Washer #10	
50	0100020	AR	Sealant	
51	1705374	1	Decal, 240V-60Hz	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	1001153197	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
103	4922641	1	Harness, Switch	

FIGURE 3-67. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

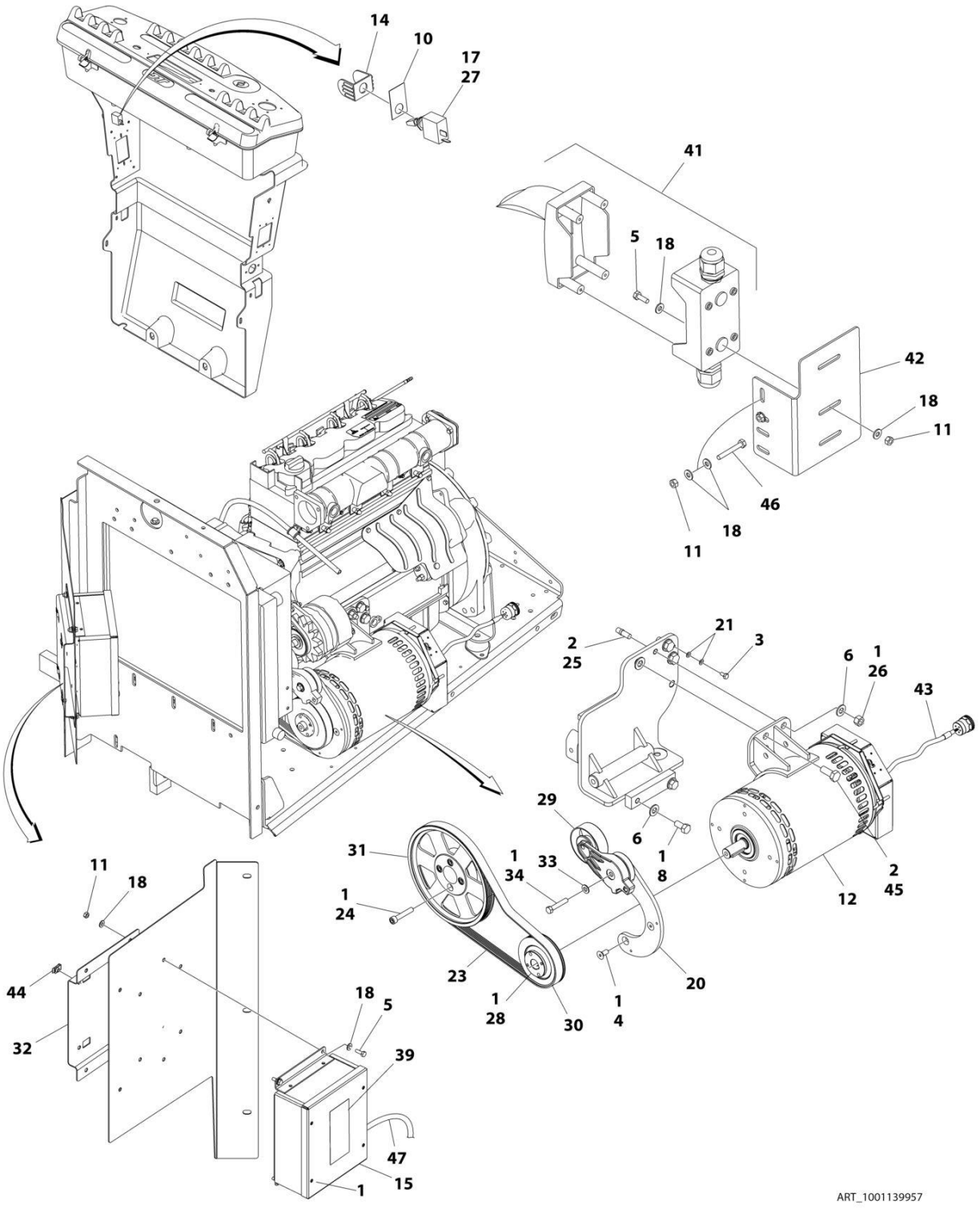


FIGURE 3-67. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139957	Ref	4000W/50HZ Generator Installation - Deutz D2011 Engines	D
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641404	1	Bolt 1/4 x 1/2	
4	0741607	3	Screw 3/8 x 7/8	
5	0641406	6	Bolt 1/4 x 3/4	
6	4711800	3	Washer 1/2	
8	0641808	2	Bolt 1/2 x 1	
10	3251102	1	Nameplate, Generator	
11	3311405	8	Nut 1/4	
12	1001138565	1	Generator Assembly	
12	70003709	1	Ring, Retaining (External)	
12	70003708	1	Ring, Retaining (Internal)	
12	70001966	1	Bearing	
12	70004092	1	Endbell (Shaft End)	
12	70004171	1	Key	
12	70004676	1	Rotor	
12	70004677	1	Stator	
12	70004678	1	Endbell (Rear)	
12	70004679	1	Cover, Endbell (Rear)	
12	70004680	1	Enclosure, Wiring	
12	70004681	1	Cover, Enclosure	
12	70004682	1	Switch, Reset (Located on Enclosure Cover)	
12	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
14	4060802	1	Guard, Switch	
15	1001138566	1	Box, Control	
15	70006552	1	Capacitor	
15	70006553	1	Relay	
16	4240018	AR	Tie-Strap (Not Shown)	
17	4360336	1	Switch, Toggle	
17	4922641	1	Harness, On/Off Switch	
18	4711400	16	Washer 1/4	
20	1001139357	1	Mount, Tensioner	
21	4791400	2	Washer 1/4	
23	0480126	1	Belt, Generator	
24	4032015	4	Capscrew M10 x 55	
25	4300157	1	Stud	
26	3311801	1	Nut 1/2	
27	2820031	AR	Heat Shrink	
28	0962520	1	Bushing, Split	
29	3580317	1	Tensioner, Belt with Pulley	
30	3580319	1	Pulley, Generator	
31	3580320	1	Pulley, Engine Deutz	
32	3575863	1	Plate	
33	4711600	1	Washer 3/8	
34	0641616	1	Bolt 3/8 x 2	
39	1705489	2	Decal - Hazardous Voltage	
41	1001096070	1	Breaker Box Kit (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	
42	1001153636	1	Bracket	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
44	3300454	4	Nut, U-Style 1/4	
45	0771415	1	Bolt M14 x 35 Grade 10.9	
46	0641415	2	Capscrew 1/4 x 1-7/8	
47	1001153197	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-68. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ TD2.2L3 ENGINES

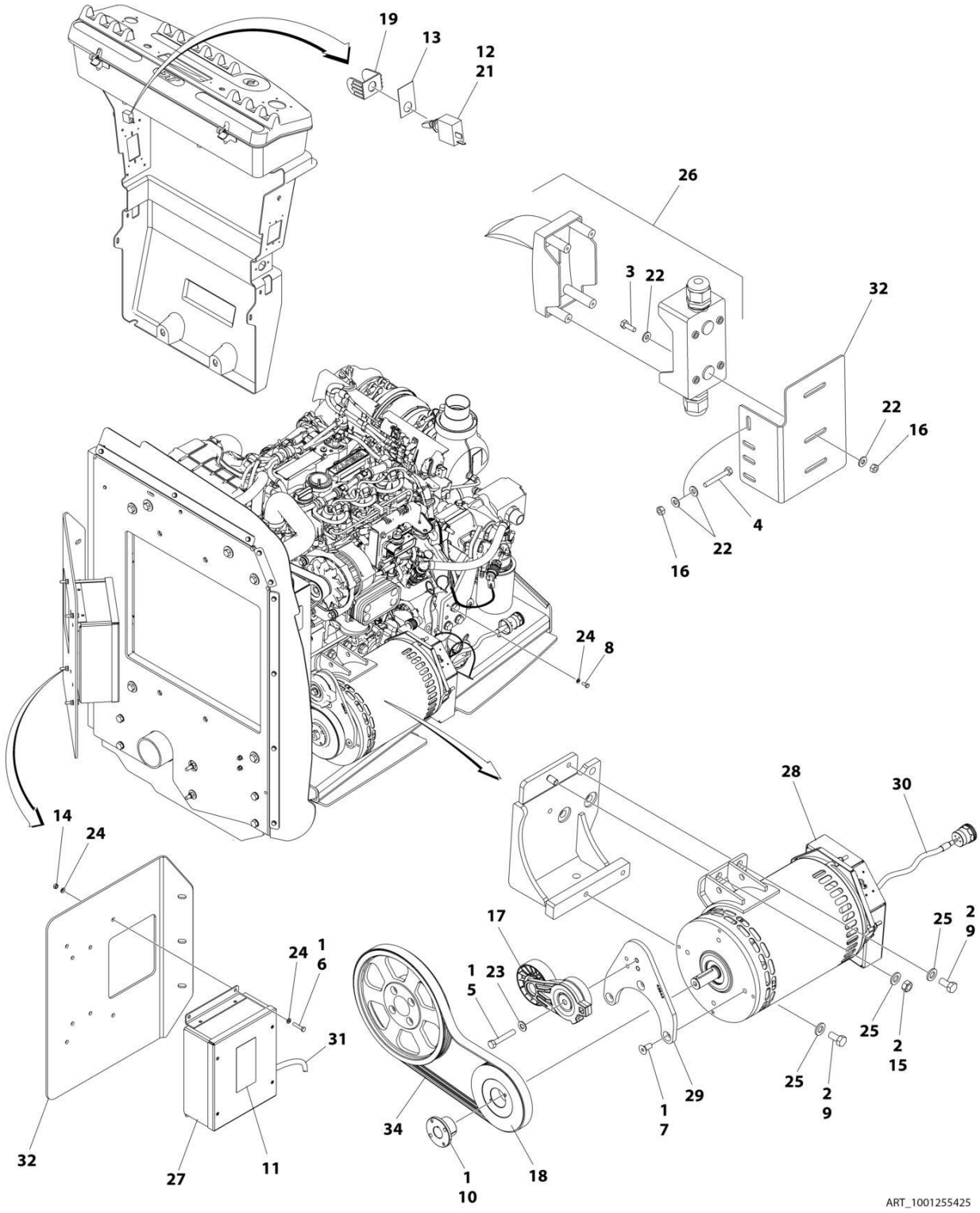


FIGURE 3-68. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ TD2.2L3 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255425	Ref	4000W/50HZ Generator Installation - Deutz TD2.2L3 (Stage V) Engines	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641406	2	Bolt 1/4 x 3/4	
4	0641415	2	Bolt 1/4 x 1-7/8	
5	0641618	1	Bolt 3/8 x 2-1/4	
6	0700614	4	Bolt M6 x 30	
7	0741607	3	Screw 3/8 x 7/8	
8	0760607	1	Bolt M6 x 14	
9	0761212	3	Bolt M12 x 25	
10	0962520	1	Bushing, Split	
11	1705489	2	Decal - Hazardous Voltage	
12	2820031	AR	Heat Shrink	
13	3252764	1	Nameplate	
14	3290601	4	Nut M6	
15	3291201	1	Nut M12	
16	3311405	4	Nut 1/4	
17	3580317	1	Tensioner, Belt with Pulley	
18	3580319	1	Pulley, Generator	
19	4060802	1	Guard, Switch	
20	4240018	AR	Tie-Strap (Not Shown)	
21	4360336	1	Switch, Toggle	
21	4922641	1	Harness, On/Off Switch	
22	4711400	8	Washer 1/4	
23	4711600	1	Washer 3/8	
24	4811700	9	Washer M6	
25	5241200	4	Washer M12	
26	1001096070	1	Breaker Box Kit (See Separate Breakdown in ELECTRICAL SECTION)	
27	1001138566	1	Box, Control	
27	70006552	1	Capacitor	
27	70006553	1	Relay	
28	1001140347	1	Generator Assembly	
28	70003709	1	Ring, Retaining (External)	
28	70003708	1	Ring, Retaining (Internal)	
28	70001966	1	Bearing	
28	70004092	1	Endbell (Shaft End)	
28	70004099	1	Key	
28	70004676	1	Rotor	
28	70004686	1	Stator	
28	70004678	1	Endbell (Rear)	
28	70004679	1	Cover, Endbell (Rear)	
28	70004680	1	Enclosure, Wiring	
28	70004681	1	Cover, Enclosure	
28	70004682	1	Switch, Reset (Located on Enclosure Cover)	
28	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
28	4460224	1	Receptacle, Female - 6 Position (Connects to Generator Harness)	
28	4460294	6	Pin, Male (Use with p/n 4460224)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
28	4460807	6	Seal, Terminal (Use with p/n 4460224)	
28	4460808	1	Seal, Interface (Use with p/n 4460224)	
29	1001142643	1	Support, Gen Tensioner	
30	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
31	1001153197	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
32	1001153636	1	Bracket	
33	1001175632	1	Wire	
34	1001214683	1	Belt, Generator	

FIGURE 3-69. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

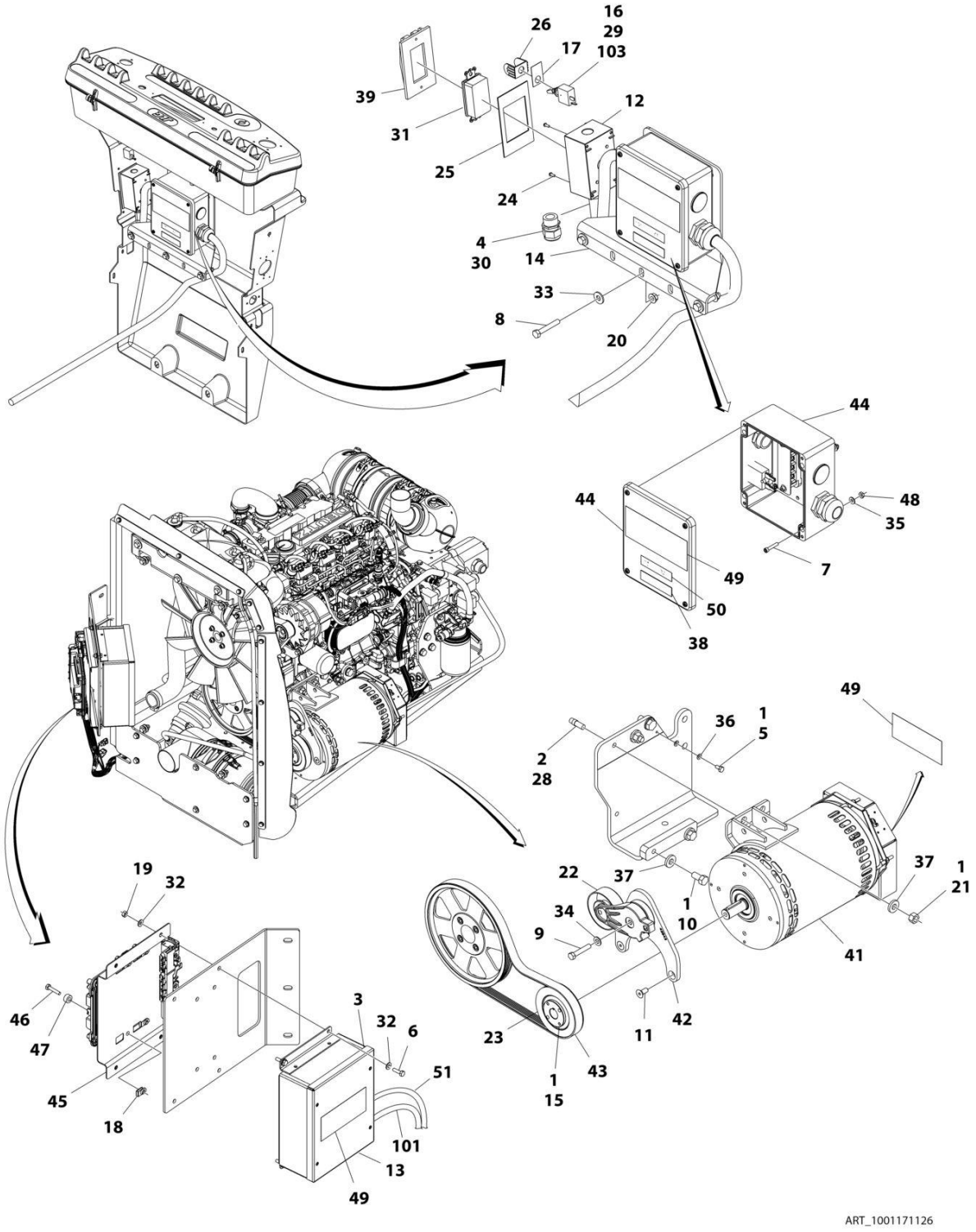


FIGURE 3-69. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171126	Ref	4000W/60HZ Generator Installation	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant	
5	0641404	1	Bolt 1/4 x 1/2	
6	0641407	4	Bolt 1/4 x 7/8	
7	3931016	4	Capscrew #10 x 1	
8	0641516	3	Bolt 5/16 x 2	
9	0641616	1	Bolt 3/8 x 2	
10	0641808	2	Bolt 1/2 x 1	
11	0741607	3	Screw, Flathead 3/8 x 7/8	
12	0860038	1	Box, Switch	
13	1001138566	1	Box, Control	
13	70006552	1	Capacitor	
13	70006553	1	Relay	
14	0902888	1	Bracket, Junction Box	
15	0962520	1	Bushing, Split	
16	2820031	0.33 ft /.10m	Heat Shrink	
17	3251102	1	Nameplate, Generator	
18	3300454	4	Nut, U-Style 1/4	
19	3311405	4	Nut 1/4	
20	3311508	3	Nut 5/16	
21	3311801	2	Nut 1/2	
22	3580317	1	Tensioner, Belt with Pulley	
23	3580318	1	Pulley, Generator	
24	3910606	4	Screw #6 x 3/8	
25	3960422	1	Gasket, AC Receptacle	
26	4060802	1	Guard, Switch	
27	4240018	AR	Tie-Strap (Not Shown)	
28	1001163599	2	Stud	
29	4360336	1	Switch, Toggle	
30	4460071	1	Connector, Strain Relief	
31	4460346	1	Receptacle	
32	4711400	8	Washer 1/4	
33	4751500	3	Washer 5/16	
34	4711600	1	Washer 3/8	
35	4751000	4	Washer #10	
36	4791400	2	Washer 1/4	
37	4891800	4	Washer 1/2	
38	1705374	1	Decal, 240V	
39	1001110873	1	Cover, Receptacle	
41	1001140346	1	Generator Assembly	
41	70003709	1	Ring, Retaining (External)	
41	70003708	1	Ring, Retaining (Internal)	
41	70001966	1	Bearing	
41	70004092	1	Endbell (Shaft End)	
41	70004099	1	Key	
41	70004676	1	Rotor	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	70004687	1	Stator	
41	70004678	1	Endbell (Rear)	
41	70004679	1	Cover, Endbell (Rear)	
41	70004680	1	Enclosure, Wiring	
41	70004685	1	Cover, Enclosure	
41	70004682	1	Switch, Reset (Located on Enclosure Cover)	
41	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
41	4460224	1	Receptacle, Female - 6 Position (Connects to Generator Harness)	
41	4460294	6	Pin, Male (Use with p/n 4460224)	
41	4460807	6	Seal, Terminal (Use with p/n 4460224)	
41	4460808	1	Seal, Interface (Use with p/n 4460224)	
42	1001142643	1	Support, Gen Tensioner	
43	1001142646	1	Belt, Generator	
44	1001152457	1	Junction Box Assembly	
44	3300396	1	Cover, Breaker	
44	4360070	1	Breaker, Circuit - 15Amp	
44	4460425	1	Connector, Strain Relief (LH Side)	
44	4460426	1	Connector, Strain Relief (RH Side)	
44	1001152530	1	Block, Terminal	
44	1001158363	1	Cover, Terminal Block	
44	1001153260	1	Decal - Wiring Diagram	
45	1001145330	1	Bracket	
46	0641410	4	Bolt 1/4 x 1-1/4	
47	1001110425	4	Spacer	
48	3311005	4	Nut #10	
49	1705387	3	Decal - Hazardous Voltage	
50	3251243	1	Decal, 120V-60Hz	
51	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	1001153259	1	Harness, Generator	
103	4922641	1	Harness, Switch	

FIGURE 3-70. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

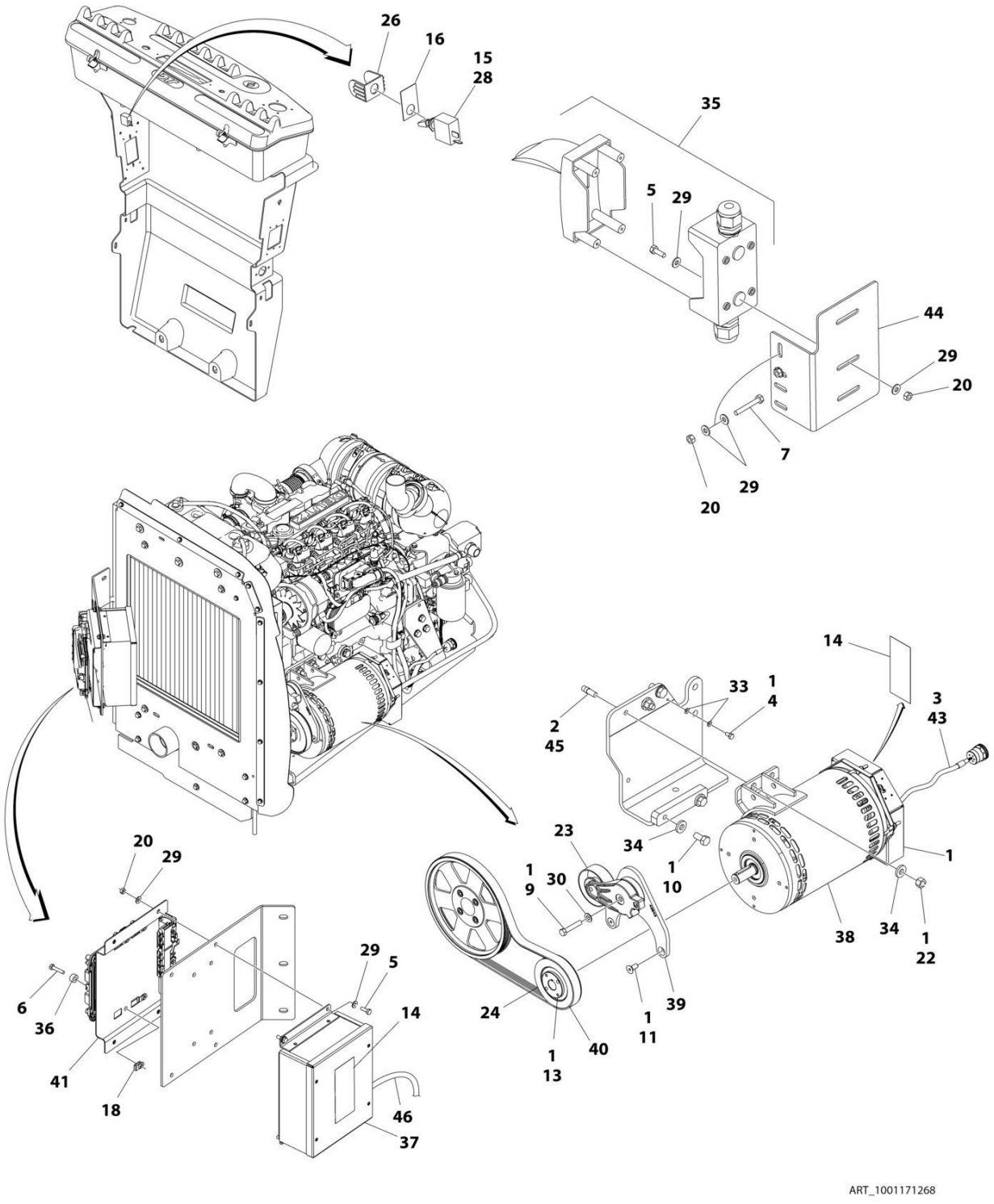


FIGURE 3-70. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171268	Ref	4000W/50HZ Generator Installation	C
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641404	1	Bolt 1/4 x 1/2	
5	0641406	6	Bolt 1/4 x 3/4	
6	0641410	4	Bolt 1/4 x 1-1/4	
7	0641415	2	Bolt 1/4 x 1-7/8	
9	0641618	1	Bolt 3/8 x 2-1/4	
10	0641808	2	Bolt 1/2 x 1	
11	0741607	3	Screw, Flathead 3/8 x 7/8	
13	0962520	1	Bushing, Split	
14	1705489	2	Decal - Hazardous Voltage	
15	2820031	0.33 ft /.10m	Heat Shrink	
16	3251102	1	Nameplate, Generator	
18	3300454	4	Nut, U-Style 1/4	
20	3311405	4	Nut 1/4	
22	3311801	2	Nut 1/2	
23	3580317	1	Tensioner, Belt with Pulley	
24	3580319	1	Pulley, Generator	
26	4060802	1	Guard, Switch	
27	4240018	AR	Tie-Strap (Not Shown)	
28	4360336	1	Switch, Toggle	
29	4711400	16	Washer 1/4	
30	4711600	1	Washer 3/8	
33	4791400	2	Washer 1/4	
34	4891800	4	Washer 1/2	
35	1001096070	1	Breaker Box Kit (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	
36	1001110425	4	Spacer	
37	1001138566	1	Box, Control	
37	70006552	1	Capacitor	
37	70006553	1	Relay	
38	1001140347	1	Generator Assembly	
38	70003709	1	Ring, Retaining (External)	
38	70003708	1	Ring, Retaining (Internal)	
38	70001966	1	Bearing	
38	70004092	1	Endbell (Shaft End)	
38	70004099	1	Key	
38	70004676	1	Rotor	
38	70004686	1	Stator	
38	70004678	1	Endbell (Rear)	
38	70004679	1	Cover, Endbell (Rear)	
38	70004680	1	Enclosure, Wiring	
38	70004681	1	Cover, Enclosure	
38	70004682	1	Switch, Reset (Located on Enclosure Cover)	
38	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
38	4460224	1	Receptacle, Female - 6 Position (Connects to Generator Harness)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
38	4460294	6	Pin, Male (Use with p/n 4460224)	
38	4460807	6	Seal, Terminal (Use with p/n 4460224)	
38	4460808	1	Seal, INterface (Use with p/n 4460224)	
39	1001142643	1	Support, Gen Tensioner	
40	1001142645	1	Belt	
41	1001145330	1	Bracket	
43	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
44	1001153636	1	Bracket	
45	1001163599	2	Stud	
46	1001153259	1	Harness, Generator	

FIGURE 3-71. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

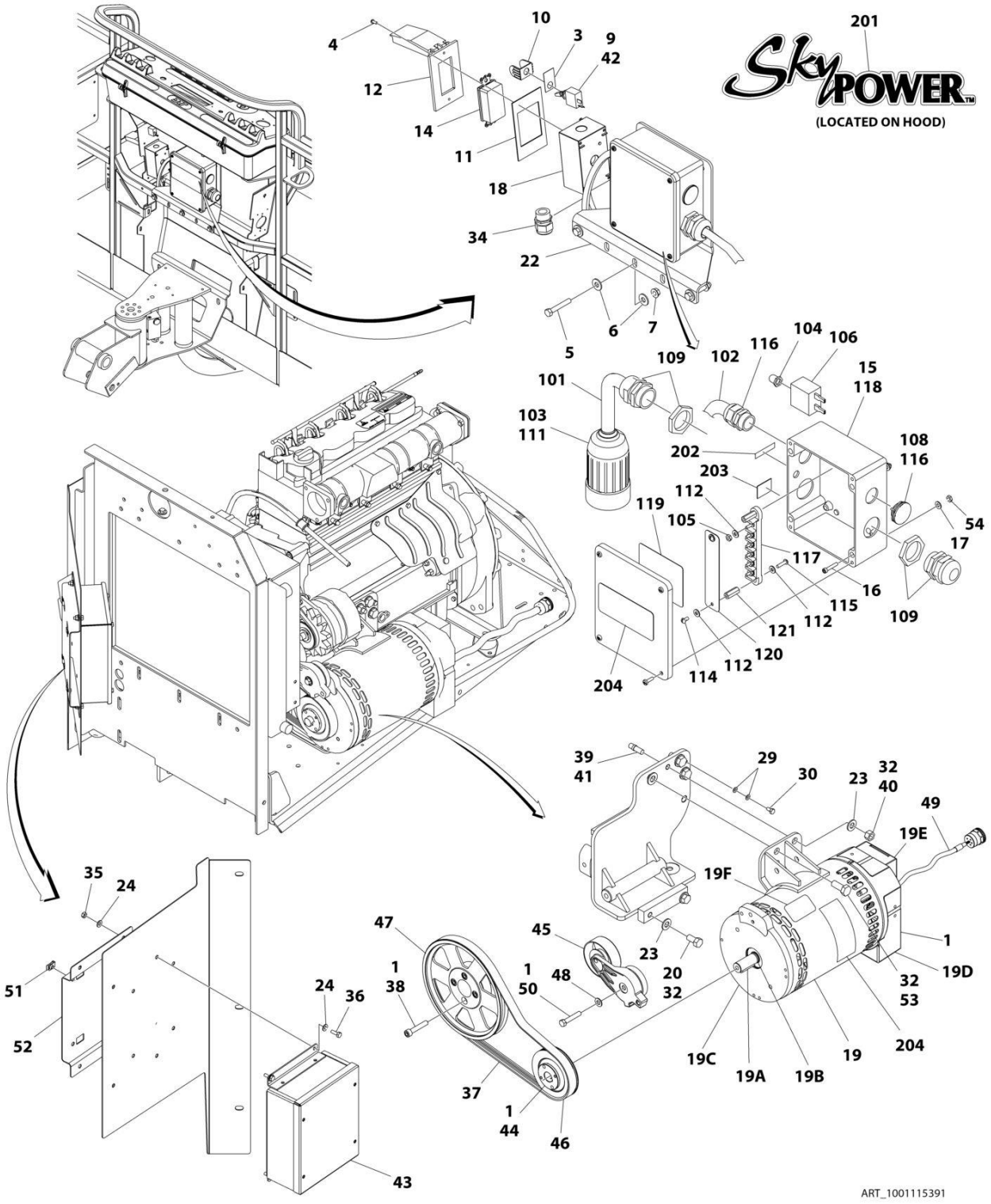


FIGURE 3-71. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115391	Ref	7500W/60HZ SKYPOWER GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
3	3252764	1	Nameplate	
4	3910606	4	Screw #6 x 3/8	
5	0641516	3	Bolt 5/16 x 2	
6	4711500	6	Washer	
7	3311505	3	Nut 5/16	
9	4360336	1	Switch, Toggle	
10	4060802	1	Guard, Switch	
11	3960422	1	Gasket	
12	1001110873	1	Cover, Receptacle	
14	4460346	1	Receptacle	
15	1001157592	Ref	Junction Box Assembly Options (See Items 101-121 for Breakdown)	
16	3931016	4	Capscrew #10 x 1	
17	4751000	4	Washer #10	
18	0860038	1	Box, Switch	
19	2460048	1	Generator Assembly	D
19	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
19	70001384	1	Bearing, Ball Radial (Not Shown)	
19	70000863	1	Fan (Not Shown)	
19	70002088	1	Stator (Not Shown)	
19	70002297	1	Stud	
19	70003631	1	Brushholder Assembly (Not Shown)	
19A	70004171	1	Key	
19B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
19B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
19B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
19C	70001953	1	Endbell, Belt Tensioner	
19D	70004169	1	Endbell, Brush Block	
19E	70002290	1	Shroud	
19E	7027799	1	Block, Connector 6 Position (Not Shown)	
19E	7026626	1	Connector - 6 Position with Seal (Not Shown)	
19E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
19E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
19E	70001696	1	Boot, Breaker (Not Shown)	
19E	7026597	1	Connector, W/Leads (Not Shown)	
19E	7026188	1	Clamp, Cable (Not Shown)	
19E	70003708	1	Ring, Retaining (Internal) (Not Shown)	
19E	70003709	1	Ring, Retaining (External) (Not Shown)	
19E	70004169	1	Plate, End Panel	
19E	70001974	1	Decal - Terminal Connections	
19F	70001973	1	Decal - Warning Moving Parts	
20	0641808	2	Bolt 1/2 x 1	
22	0902888	1	Bracket, Box Mounting	
23	4711800	3	Washer 1/2	
24	4711400	8	Washer 1/4	
28	4240018	AR	Tie-Strap (Not Shown)	
29	4791400	2	Starwasher 1/4	
30	0641403	1	Bolt 1/4 x 3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
32	0100019	AR	Compound, Locking	
34	4460071	1	Connector, Strain Relief	
35	3311405	4	Nut 1/4	
36	0641406	4	Bolt 1/4 x 3/4	
37	0480129	1	Belt, Drive	
38	4032015	4	Capscrew M10 x 55	
39	4300157	1	Stud	
40	3311801	1	Nut 1/2	
41	0100062	AR	Adhesive	
42	2820031	1	Insulator	
43	0861538	1	Control Box Assembly	
43	7024488	1	Card, Circuit - Generator Power	
43	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
43	7024489	1	Card, Circuit - Control	
		Ref	Note: Same Circuit Card (p/n 7024489) is used for both 60Hz and 50Hz. When replacing card, rocker switch on card must be set for required application	
43	70000619	1	Harness, Circuit Card	
44	0962520	1	Bushing, Split Taper	
45	3580317	1	Tensioner, Belt	
46	3580318	1	Pulley	
47	3580320	1	Pulley	
48	4711600	1	Washer 3/8	
49	4922925	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
50	0641618	1	Bolt 3/8 x 2-1/4	
51	3300454	4	Nut Special 1/4	
52	3575863	1	Plate, EMR2 Mount	
53	0771415	1	Bolt M14 x 35	
54	3311005	4	Nut #10	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	D
101	1060343	AR	Cable, Electrical 10/4	
102	1001179154	2 ft/.6m	Cable, Electrical 12/3	
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15 Amp	
108	4460425	1	Strain Relief, Terminal	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	10	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug, Hole	
117	1001157520	1	Block, Terminal - 6 Pole	
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
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V - 60Hz (Located on Opposite Side)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal, Hazardous Voltage	
	1001157769	Ref	ELECTRICAL DIAGRAM COMPONENTS	B
301	1001152429	1	Generator Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
304	4922641	1	Switch Harness (Not Shown)	

FIGURE 3-72. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

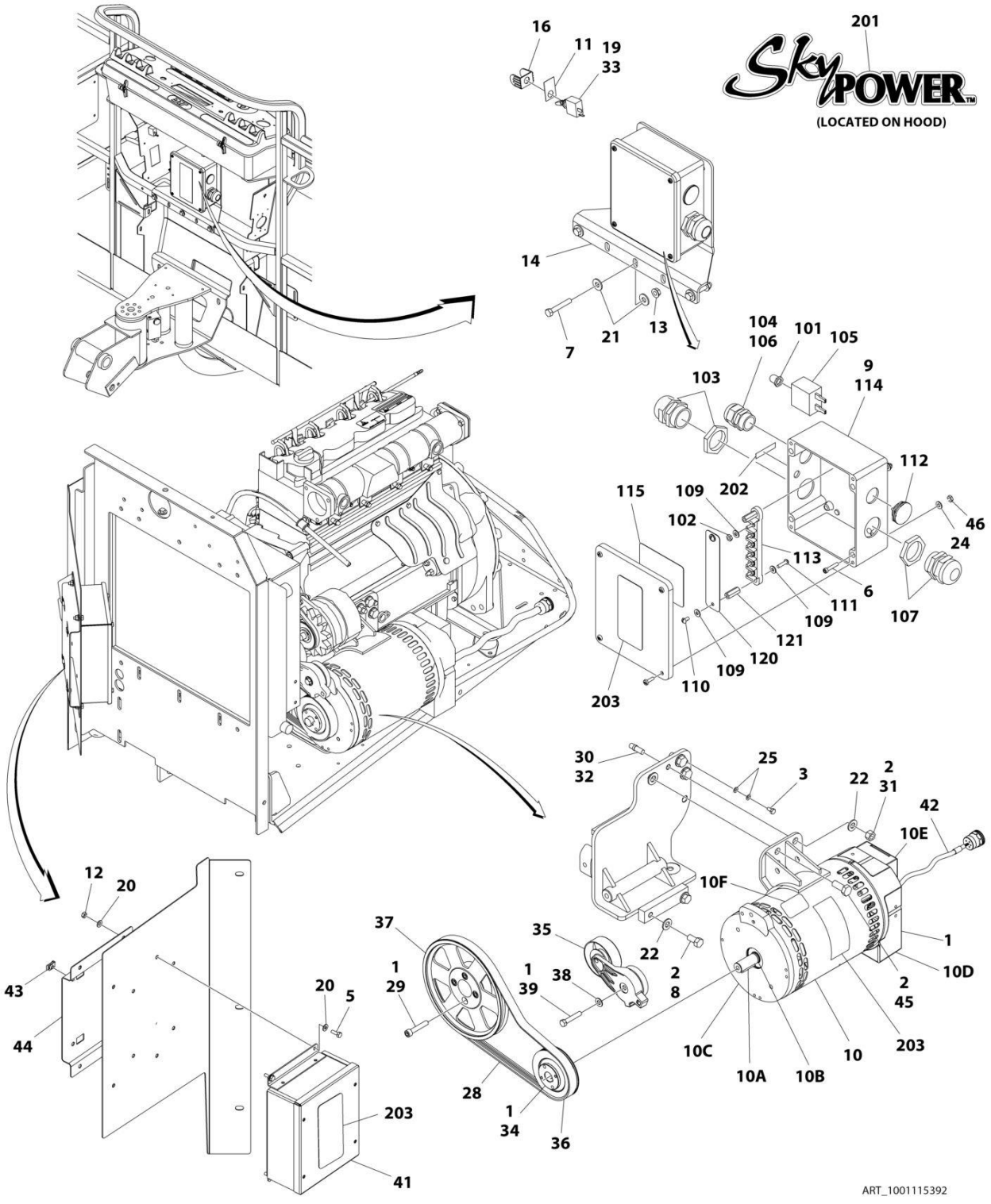


FIGURE 3-72. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115392	Ref	7500W/50HZ SKYPOWER GENERATOR INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641403	1	Bolt 1/4 x 3/8	
5	0641406	4	Bolt 1/4 x 3/4	
6	3931016	4	Capscrew #10 x 1	
7	0641516	3	Bolt 5/16 x 2	
8	0641808	2	Bolt 1/2 x 1	
9	1001157525	Ref	Junction Box Assembly Options (See Items 101-121 for Breakdown)	
10	2460048	1	Generator Assembly	D
10	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
10	70001384	1	Bearing, Ball Radial (Not Shown)	
10	70000863	1	Fan (Not Shown)	
10	70002088	1	Stator (Not Shown)	
10	70002297	1	Stud	
10	70003631	1	Brushholder Assembly (Not Shown)	
10A	70004171	1	Key	
10B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
10B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
10B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
10C	70001953	1	Endbell, Belt Tensioner	
10D	70004169	1	Endbell, Brush Block	
10E	70002290	1	Shroud	
10E	7027799	1	Block, Connector 6 Position (Not Shown)	
10E	7026626	1	Connector - 6 Position with Seal (Not Shown)	
10E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
10E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
10E	70001696	1	Boot, Breaker (Not Shown)	
10E	7026597	1	Connector, W/Leads (Not Shown)	
10E	7026188	1	Clamp, Cable (Not Shown)	
10E	70003708	1	Ring, Retaining (Internal) (Not Shown)	
10E	70003709	1	Ring, Retaining (External) (Not Shown)	
10E	70004169	1	Plate, End Panel	
10E	70001974	1	Decal - Terminal Connections	
10F	70001973	1	Decal - Warning Moving Parts	
11	3252764	1	Nameplate	
12	3311405	4	Nut 1/4	
13	3311505	3	Nut 5/16	
14	0902888	1	Bracket, Box Mounting	
16	4060802	1	Guard, Switch	
18	4240018	AR	Tie-Strap (Not Shown)	
19	4360336	1	Switch, Toggle	
20	4711400	8	Washer 1/4	
21	4711500	6	Washer	
22	4711800	3	Washer 1/2	
24	4751000	4	Washer #10	
25	4791400	2	Starwasher 1/4	
28	0480126	1	Belt, Drive	
29	4032015	4	Capscrew M10 x 55	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
30	4300157	1	Stud	
31	3311801	1	Nut 1/2	
32	0100062	AR	Adhesive	
33	2820031	1	Insulator	
34	0962520	1	Bushing, Split Taper	
35	3580317	1	Tensioner, Belt	
36	3580319	1	Pulley	
37	3580320	1	Pulley	
38	4711600	1	Washer 3/8	
39	0641618	1	Bolt 3/8 x 2-1/4	
41	0861572	1	Control Box Assembly	
41	7024488	1	Card, Circuit - Generator Power	
41	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
41	7024489	1	Card, Circuit - Control	
		Ref	"Note: Same Circuit Card (p/n 7024489) is used for both 60Hz and 50Hz. When replacing card, rocker switch on card must be set for required application."	
41	70000619	1	Harness, Circuit Card	
42	4922925	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
43	3300454	4	Nut Special 1/4	
44	3575863	1	Plate, EMR2 Mount	
45	0771415	1	Bolt M14 x 35	
46	3311005	4	Nut #10	
	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 - 15 Amp	
106	4460425	1	Strain Relief, Terminal	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug, Hole	
113	1001157520	1	Block, Terminal - 6 Pole	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase	
203	1705489	Ref	Decal, Hazardous Voltage	
	1001157769	Ref	ELECTRICAL DIAGRAM COMPONENTS	B
301	1001152429	1	Generator Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
304	4922641	1	Switch Harness (Not Shown)	

FIGURE 3-73. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.2L3 STAGE V ENGINES

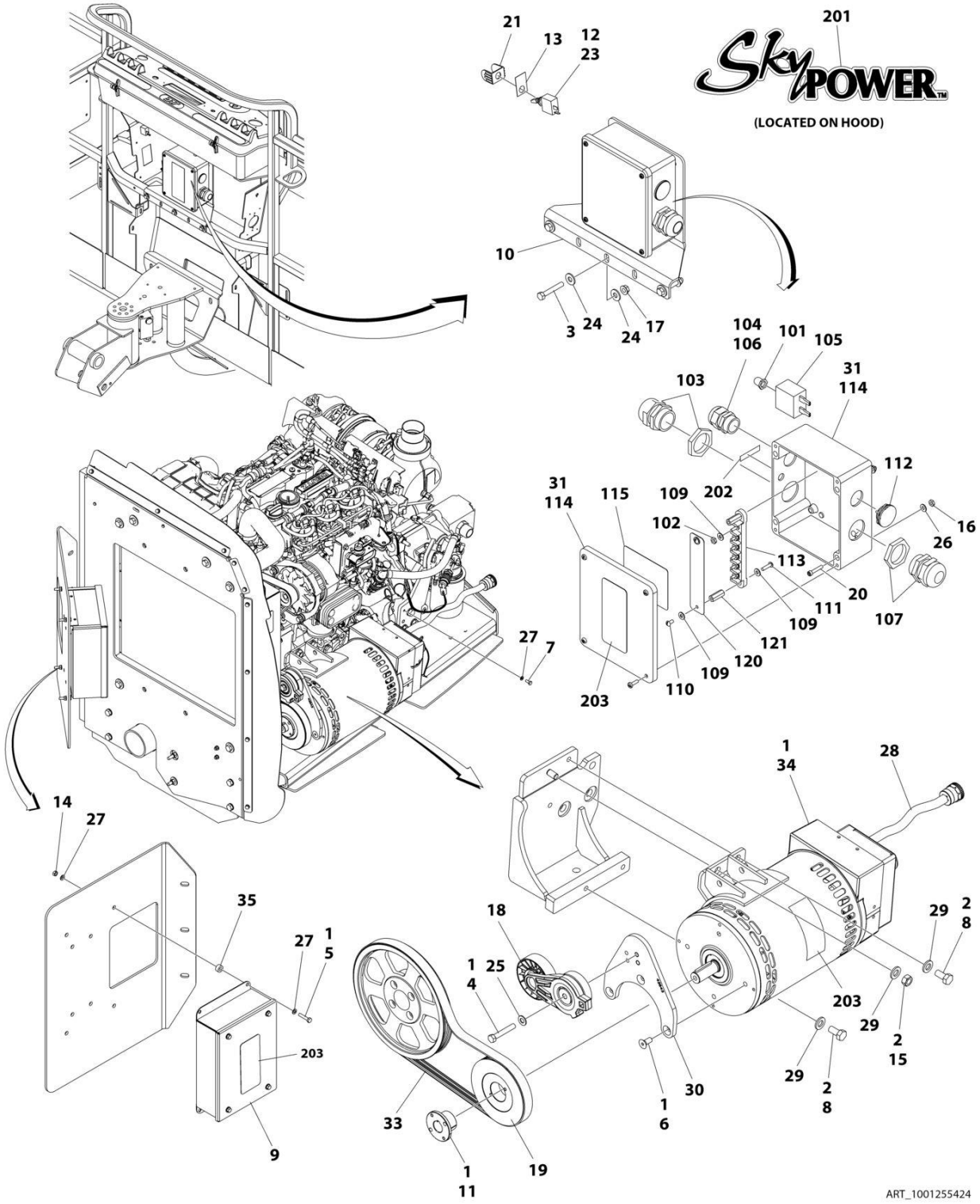


FIGURE 3-73. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.2L3 STAGE V ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255424	Ref	7500W/50HZ SKYPOWER GENERATOR INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641516	3	Bolt 5/16 x 2	
4	0641618	1	Bolt 3/8 x 2-1/4	
5	0700614	4	Bolt M6 x 30	
6	0741607	3	Screw, Flathead 3/8 x 7/8	
7	0760607	1	Bolt M6 x 14	
8	0761212	3	Bolt M12 x 25	
9	0861572	1	Control Box Assembly	
9	7024488	1	Card, Circuit - Generator Power	
9	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
9	7024489	1	Card, Circuit - Control	
		Ref	"Note: Same Circuit Card (p/n 7024489) is used for both 60Hz and 50Hz. When replacing card, rocker switch on card must be set for required application."	
9	70000619	1	Harness, Circuit Card	
10	0902888	1	Bracket, Box Mounting	
11	0962520	1	Bushing, Split Taper	
12	2820031	AR	Insulator	
13	3252764	1	Nameplate	
14	3290601	4	Nut M6	
15	3291201	1	Nut M12	
16	3311005	4	Nut #10	
17	3311505	3	Nut 5/16	
18	3580317	1	Tensioner, Belt	
19	3580319	1	Pulley	
20	3931016	4	Capscrew #10 x 1	
21	4060802	1	Guard, Switch	
22	4240018	AR	Tie-Strap (Not Shown)	
23	4360336	1	Switch, Toggle	
24	4711500	6	Washer	
25	4711800	1	Washer 1/2	
26	4751000	4	Washer #10	
27	4811700	9	Washer M6	
28	4922925	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
29	5241200	4	Washer M12	
30	1001142643	1	Support, Gen Tensioner	
31	1001157525	Ref	Junction Box Assembly Options (See Items 101-121 for Breakdown)	
33	1001214683	1	Belt, Generator	
34	1001248105	1	Generator Assembly - 50Hz (Note: No service parts available at time of printing)	
35	1001110425	1	Spacer	
	1001157525	Ref	JUNCTION BOX ASSEMBLY	B
101	3300396	1	Cover, Fuse	
102	3311001	6	Nut #10	
103	3520189	1	Plug	
104	3520192	1	Plug	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
105	4360070	1	Circuit Breaker - 15 Amp	
106	4460425	1	Strain Relief, Terminal	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug, Hole	
113	1001157520	1	Block, Terminal - 6 Pole	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase	
203	1705489	Ref	Decal, Hazardous Voltage	
	1001157769	Ref	ELECTRICAL DIAGRAM COMPONENTS	B
301	1001152429	1	Generator Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
304	4922641	1	Switch Harness (Not Shown)	

FIGURE 3-74. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

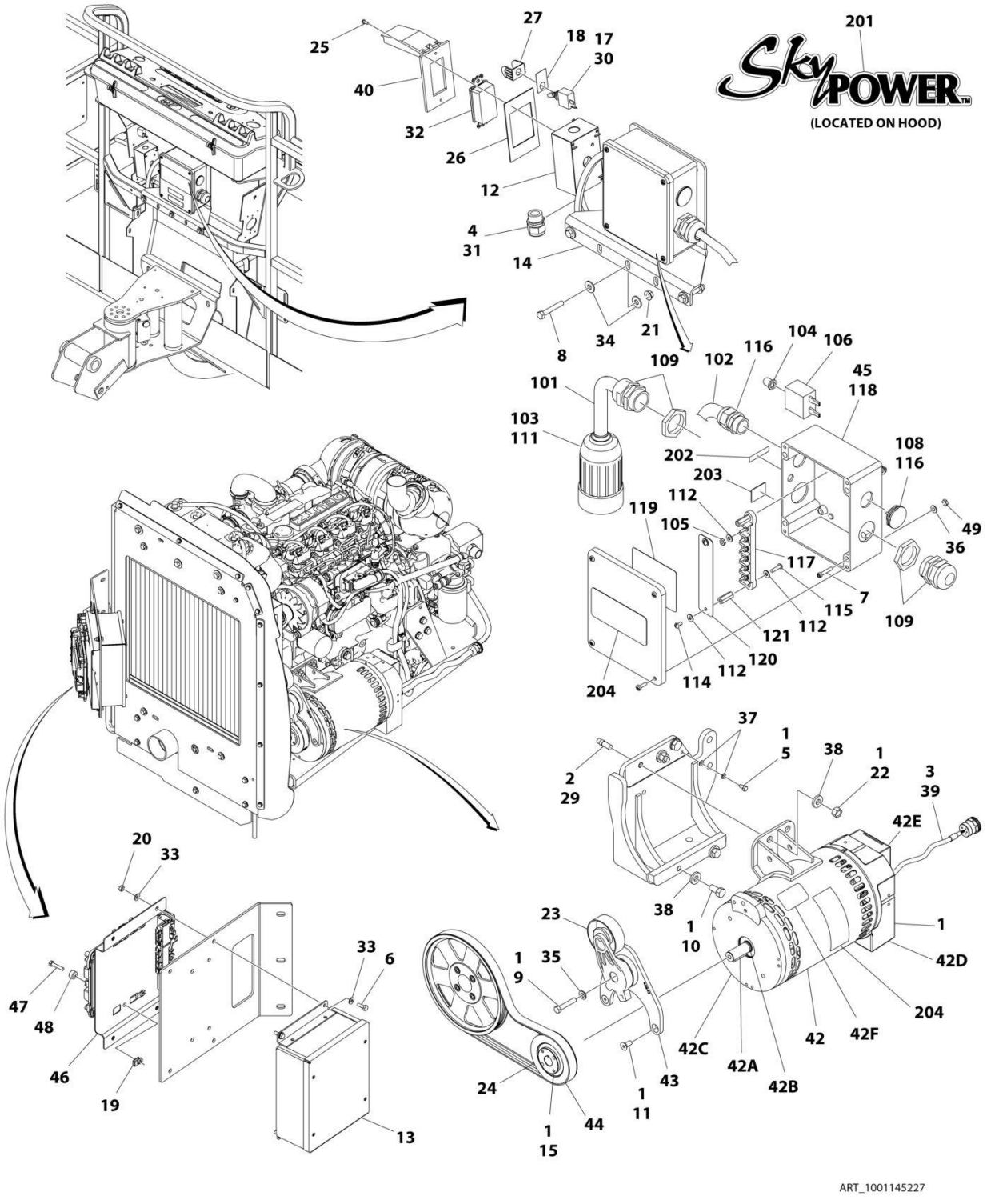


FIGURE 3-74. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001145227	Ref	7500W/60HZ SKYPOWER GENERATOR INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant	
5	0641404	1	Bolt 1/4 x 1/2	
6	0641407	4	Bolt 1/4 x 7/8	
7	3931016	4	Capscrew #10 x 1	
8	0641516	3	Bolt 5/16 x 2	
9	0641616	1	Bolt 3/8 x 2	
10	0641808	2	Bolt 1/2 x 1	
11	0741607	3	Screw, Flathead 3/8 x 7/8	
12	0860038	1	Box, Switch	
13	0861538	1	Control Box Assembly	
13	7024488	1	Card, Circuit - Generator Power	
13	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
13	7024489	1	Card, Circuit - Control	
		Ref	Note: Same Circuit Card (p/n 7024489) is used for both 60Hz and 50Hz. When replacing card, rocker switch on card must be set for required application.	
13	70000619	1	Harness, Circuit Card	
14	0902888	1	Bracket, Box Mounting	
15	0962520	1	Bushing, Split Taper	
17	2820031	1	Insulator	
18	3252764	1	Nameplate	
19	3300454	4	Nut Special 1/4	
20	3311405	4	Nut 1/4	
21	3311505	3	Nut 5/16	
22	3311801	2	Nut 1/2	
23	3580317	1	Tensioner, Belt	
24	3580318	1	Pulley	
25	3910606	4	Screw #6 x 3/8	
26	3960422	1	Gasket	
27	4060802	1	Guard, Switch	
28	4240018	AR	Tie-Strap (Not Shown)	
29	1001163599	2	Stud	
30	4360336	1	Switch, Toggle	
31	4460071	1	Connector, Strain Relief	
32	4460346	1	Receptacle	
33	4711400	8	Washer 1/4	
34	4711500	6	Washer	
35	4711600	1	Washer 3/8	
36	4751000	4	Washer #10	
37	4791400	2	Starwasher 1/4	
38	4891800	4	Washer 1/2	
39	4922925	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
40	1001110873	1	Cover, Receptacle	
42	1001212223	1	Generator Assembly	
42	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	70001384	1	Bearing, Ball Radial (Not Shown)	
42	70000863	1	Fan (Not Shown)	
42	70006093	1	Stator (Not Shown)	
42	70002297	1	Stud	
42	70003631	1	Brushholder Assembly (Not Shown)	
42A	70004099	1	Key	
42B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
42B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
42B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
42C	70004092	1	Endbell, Belt Tensioner	
42D	70004094	1	Endbell, Brush Block	
42E	70006094	1	Shroud	
42E	70002291	1	Insulator, Endbell	
42E	7027799	1	Block, Connector - 6 Position (Not Shown)	
42E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
42E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
42E	70006096	1	Boot, Breaker (Not Shown)	
42E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 45)	
42E	7026597	1	Connector with Leads (Not Shown)	
42E	70004098	1	Clamp, Cable (Not Shown)	
42E	70006097	1	Plate, End Panel	
42E	70001974	1	Decal - Terminal Connections	
42F	70001973	1	Decal - Warning Moving Parts	
43	1001142643	1	Support, Gen Tensioner	
44	1001142646	1	Belt, Generator	
45	1001157592	Ref	Junction Box Assembly Options (See Items 101-121 for Breakdown)	
46	1001145330	1	Bracket	
47	0641410	4	Bolt 1/4 x 1-1/4	
48	1001110425	4	Spacer	
49	3311005	4	Nut #10	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	D
101	1060343	AR	Cable, Electrical 10/4	
102	1001179154	2 ft /0.6m	Cable, Electrical 12/3	
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15 Amp	
108	4460425	1	Strain Relief, Terminal	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	10	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug, Hole	
117	1001157520	1	Block, Terminal - 6 Pole	
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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V - 60Hz (Located on Opposite Side)	
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal, Hazardous Voltage	
	1001157770	Ref	ELECTRICAL DIAGRAM COMPONENTS	A
301	1001119968	1	Generator Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
303	4922641	1	Switch Harness (Not Shown)	

FIGURE 3-75. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - FORD ENGINES

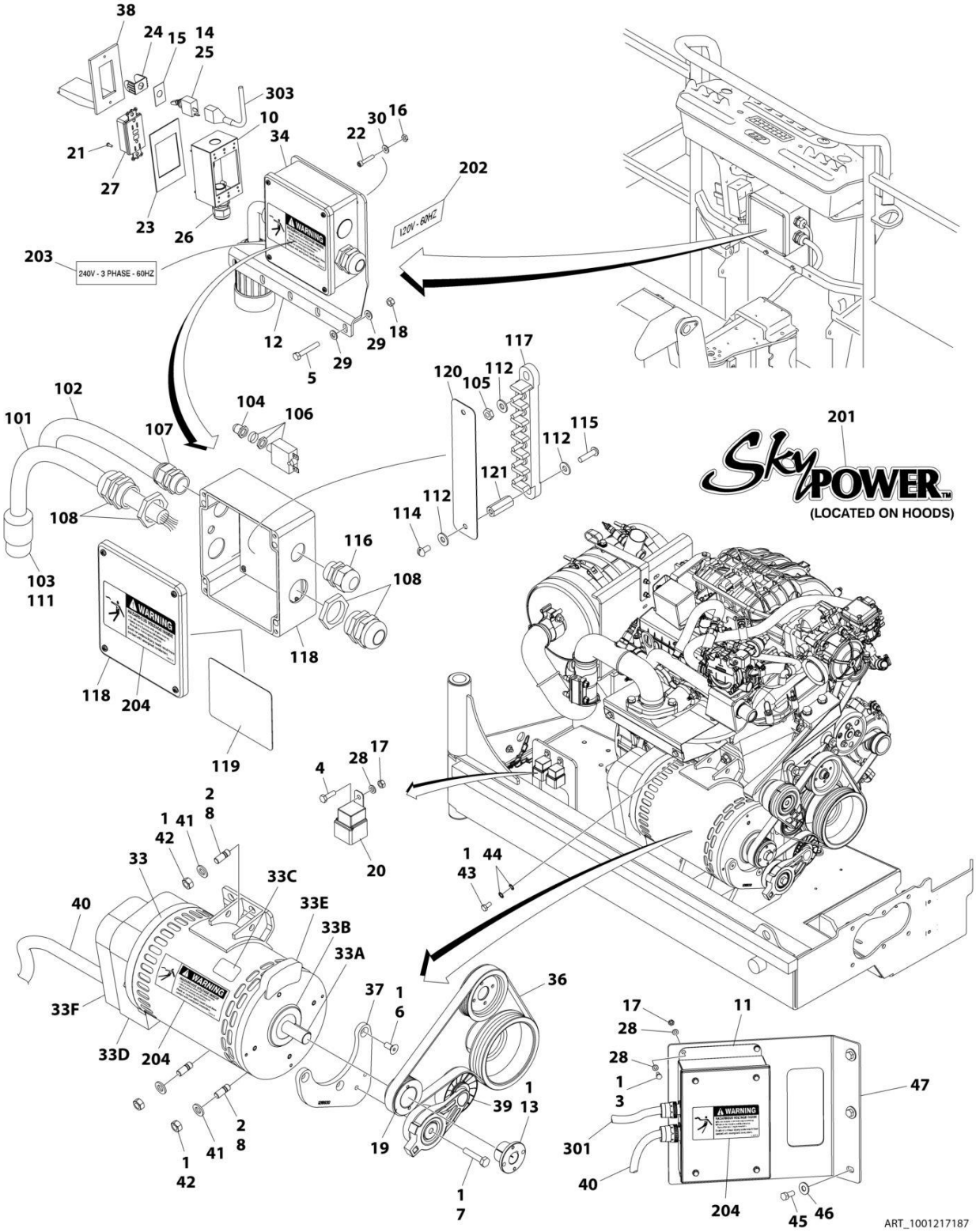


FIGURE 3-75. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217187	Ref	7500W/60HZ SKYPOWER GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0760608	4	Bolt M6 x 16	
4	0760610	2	Bolt M6 x 20	
5	0641516	3	Bolt 5/16 x 2	
6	0741607	3	Screw 3/8 x 7/8	
7	0761018	1	Bolt M10 x 50	
8	1001196382	4	Stud	
10	0860038	1	Box, Switch	
11	0861538	1	Control Box Assembly	
11	7024488	1	Card, Circuit - Generator Power	
11	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
11	7024489	1	Card, Circuit - Control	
11	70000619	1	Harness, Circuit Card	
12	0902888	1	Bracket, Box Mounting	
13	0962520	1	Bushing, Spilt Taper	
14	2820031	1	Heat Shrink	
15	3252764	1	Nameplate - AC & Weld	
16	3311005	4	Nut #10	
17	3290601	6	Nut M6	
18	3311505	3	Nut 5/16	
19	3580314	1	Pulley	
20	3740080	2	Relay	
21	3910606	2	Screw #6 x 3/8	
22	3931016	4	Capscrew #10 x 1	
23	3960422	1	Gasket	
24	4060802	1	Guard, Switch	
25	4360336	1	Switch, Toggle	
26	4460071	1	Connector, Strain Relief	
27	4460346	1	Receptacle	
28	4811700	10	Washer #10	
29	4711500	6	Washer 5/16	
30	4751000	4	Washer #10	
33	1001136104	1	Generator Assembly	
33	70003631	1	Brushholder Assembly (Not Shown)	
33	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
33	70001696	1	Boot, Breaker (Not Shown)	
33	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell - Not Shown)	
33	7027799	1	Block, Connector 6 Position (Not Shown)	
33	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
33	7026188	1	Clamp, Cable (Not Shown)	
33	7026597	1	Connector, W/Leads (Not Shown)	
33	7026626	1	Connector - 6 Position with Seal (Not Shown)	
33	70002088	1	Stator (Not Shown)	
33	70004169	1	Panel, End (Not Shown)	
33	70001974	1	Decal - Terminal Connections (Not Shown)	
33	70000863	1	Fan (Not Shown)	
33	70002297	4	Stud (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
33A	70004171	1	Key	
33A	70001100	1	Armature, Generator (Includes Radial Ball Bearing on End with Brushes and Fan)	
33A	70001384	1	Bearing, Ball Radial	
33B	70001966	1	Bearing, Radial Ball	
33B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
33B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
33C	70001973	1	Decal - Warning Moving Parts	
33D	70004169	1	Endbell, Brush Block	
33E	70001953	1	Endbell, Belt Tensioner	
33F	70004169	1	Endbell, Shroud Assembly	
34	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
36	1001216390	1	V-Belt	
37	1001218930	1	Mount, Tensioner	
38	1001110873	1	Cover, Receptacle	
39	3580317	1	Tensioner, Belt	
40	4922925	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
41	5241200	4	Washer M12	
42	3291201	4	Nut M12	
43	0760606	1	Bolt M6 x 12	
44	4871700	2	Washer M6	
45	0641607	3	Bolt 3/8 x 7/8	
46	4751600	3	Washer 3/8	
47	1001137866	1	Bracket	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft /0.5m	Cable, Electrical - 10/4	
102	1001179154	2.5 ft /0.8m	Cable Electrical - 12/3	
103	1671092	1	Cover, Connector	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Breaker, Circuit 15Amp	
107	4460425	1	Connector, Strain Relief	
108	4460426	2	Connector, Strain Relief	
111	4460963	1	Receptacle	
112	4711000	10	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug, Hole	
117	1001157520	1	Block, Terminal Pole	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Box Junction	
120	1001158007	1	Cover	
121	1001158008	2	Standoff	
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V - 60Hz (Located on Opposite Side)	
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal, Hazardous Voltage	
	1001221498	Ref	ELECTRICAL DIAGRAM COMPONENTS	B

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301	1001257972	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	A
303	4922641	1	Switch Harness	

SECTION 4 - BOOM

SECTION 4 - BOOM

FIGURE 4-1. BOOMS AND CYLINDERS INSTALLATION

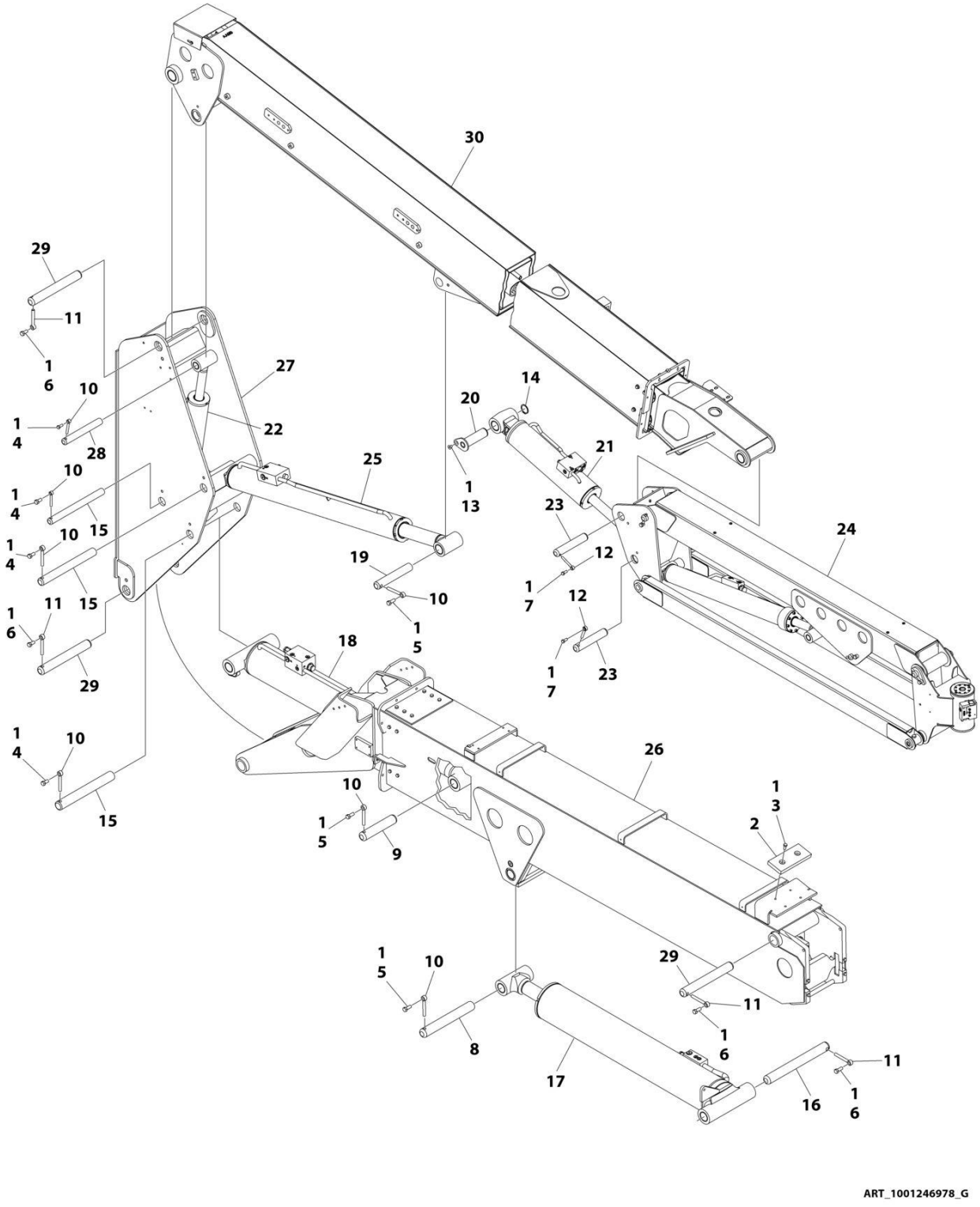


FIGURE 4-1. BOOMS AND CYLINDERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246978	Ref	BOOMS AND CYLINDERS INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0561076	1	Block, Boom Rest	
3	0641607	2	Bolt 3/8 x 7/8	
4	0641809	4	Bolt 1/2 x 1-1/8	
5	0641810	3	Bolt 1/2 x 1-1/4	
6	0642012	4	Bolt 5/8 x 1-1/2	
7	0761212	2	Bolt M12 x 25	
8	1001267717	1	Pin	
9	3422575	1	Pin	
10	3841203	7	Keeper, Pin - 1/2	
11	3841258	4	Keeper, Pin	
12	3841709	2	Keeper, Pin - 1/2	
13	1001137032	1	Screw M10 x 16	
14	1001138671	1	Ring, Retaining	
15	1001155093	3	Pin	
16	1001267716	1	Pin	
17	1001261003	1	Tower Lift Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
18	1001251042	1	Upright Level Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
19	1001237138	1	Pin	
20	1001237142	1	Pin	
21	1001237697	1	Platform (Slave) Level Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
22	1001237698	1	Master Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
23	1001237949	1	Pin	
24	1001238328	1	Jib Boom Assembly (See Separate Breakdown in this Section)	
25	1001245761	1	Main Lift Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
26	1001246934	1	Tower Boom Assembly (See Separate Breakdown in this Section)	
27	1001246951	1	Upright	
28	1001246952	1	Pin	
29	1001246974	3	Pin	
30	1001248265	1	Main Boom Assembly (See Separate Breakdown in this Section)	

FIGURE 4-2. TOWER BOOM ASSEMBLY

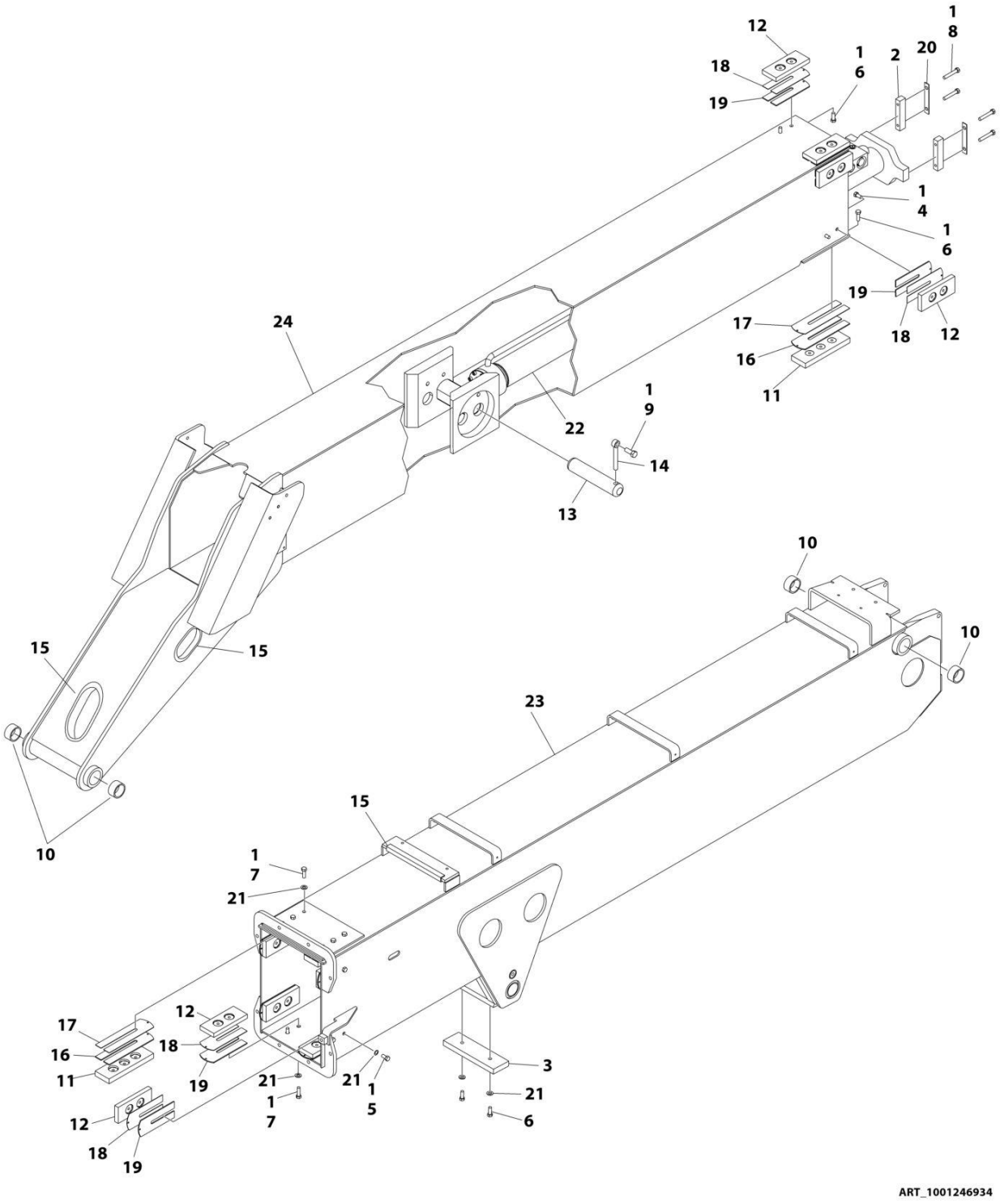


FIGURE 4-2. TOWER BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246934	Ref	TOWER BOOM ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0561185	2	Block, Attach	
3	0561248	1	Block, Boom Rest	
4	0641606	8	Bolt 3/8 x 3/4	
5	0641607	8	Bolt 3/8 x 7/8	
6	0641608	12	Bolt 3/8 x 1	
7	0641610	10	Bolt 3/8 x 1-1/4	
8	0641616	4	Bolt 3/8 x 2	
9	0641810	1	Bolt 1/2 x 1-1/4	
10	0962036	4	Bushing	
11	3340871	4	Pad, Wear	
12	3340881	12	Pad, Wear	
13	3422575	1	Pin	
14	3841203	1	Keeper, Pin	
15	4060808	AR	Flex-Trim	
16	4070863	4	Shim .12	
17	4070864	4	Shim .05	
18	4070897	10	Shim .05	
19	4070898	12	Shim .12	
20	4070929	AR	Shim	
21	4711600	20	Washer 3/8	
22	1001228006	1	Cylinder Assembly - Tower Telescope (See Separate Breakdown in CYLINDER SECTION)	
23	1001246935	1	Base, Boom	
24	1001246936	1	Fly, Boom	

FIGURE 4-3. MAIN BOOM ASSEMBLY

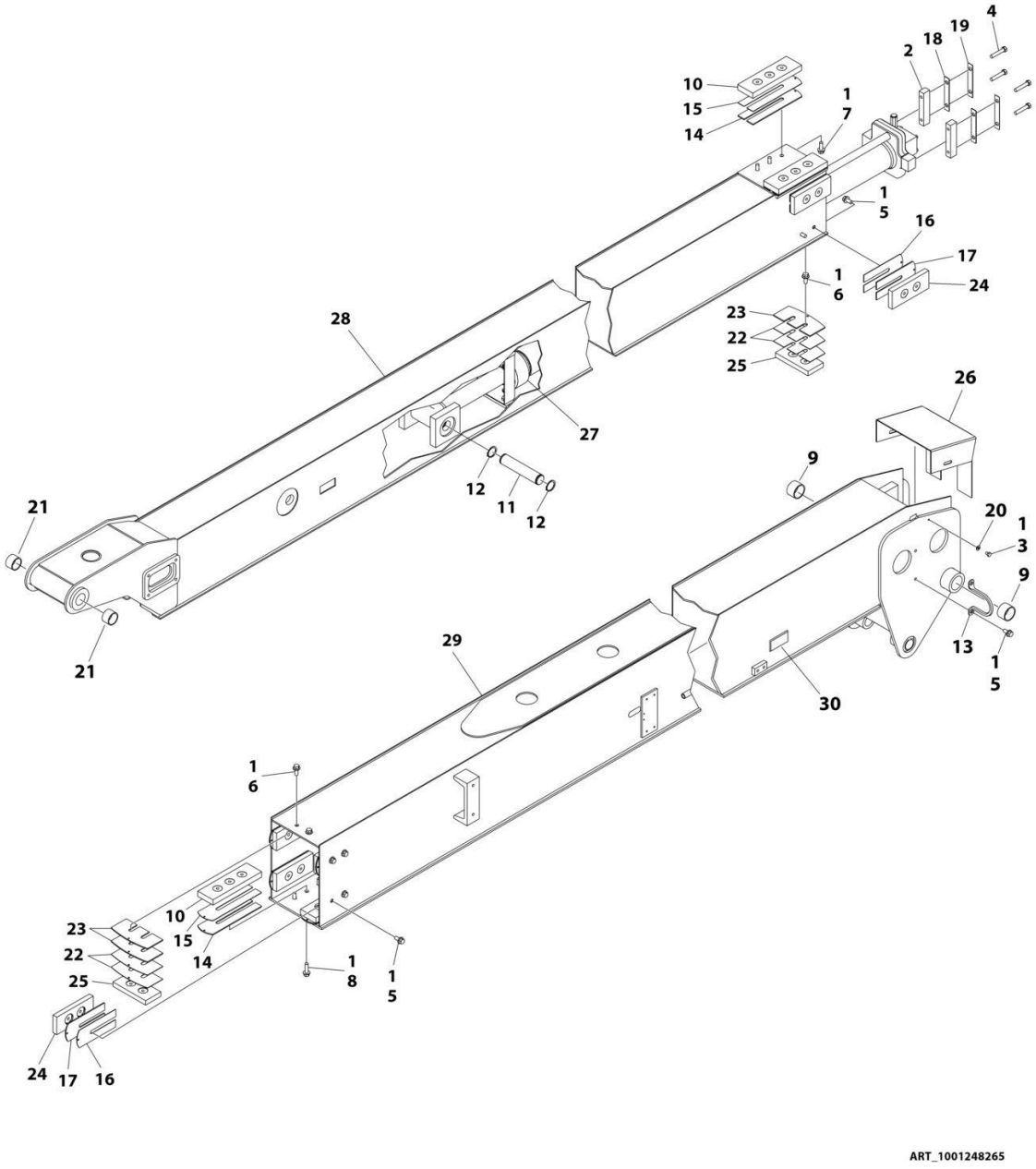


FIGURE 4-3. MAIN BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248265	Ref	BOOM ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0561185	2	Block	
3	0641403	2	Bolt 1/4 x 3/8	
4	0641616	4	Bolt 3/8 x 2	
5	0811606	18	Bolt 3/8 x 3/4	
6	0811607	4	Bolt 3/8 x 7/8	
7	0811608	6	Bolt 3/8 x 1	
8	0811610	6	Bolt 3/8 x 1-1/4	
9	0962036	2	Bushing	
10	3340871	4	Pad, Wear	
11	3422457	1	Pin	
12	3760133	2	Ring, Retaining	
13	3841340	1	Loop, Hose	
14	4070863	4	Shim .12	
15	4070864	4	Shim .05	
16	4070897	8	Shim .05	
17	4070898	8	Shim .12	
18	4070929	AR	Shim	
19	4071007	AR	Shim	
20	4751200	2	Washer #12	
21	1001118666	2	Bushing	
22	1001136590	2	Shim 18Ga	
23	1001138436	4	Shim 11Ga	
24	1001148652	8	Pad, Wear	
25	1001152127	2	Pad, Wear	
26	1001162828	1	Cover, Boom	
27	1001228007	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
28	1001248248	1	Fly, Boom	
29	1001248261	1	Base, Boom	
30	1001250737	3	Cover	

FIGURE 4-4. JIB BOOM ASSEMBLY

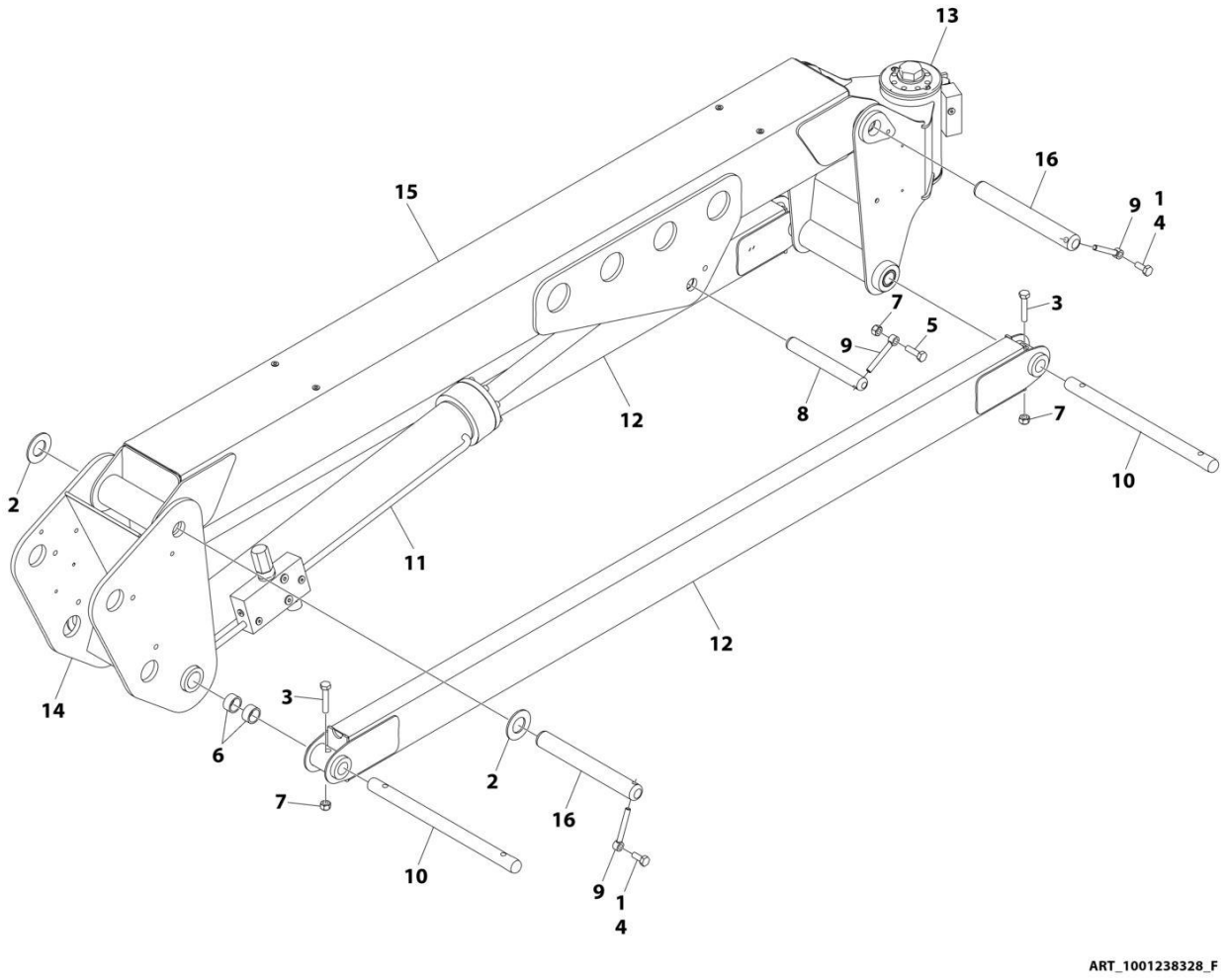


FIGURE 4-4. JIB BOOM ASSEMBLY

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

FIGURE 4-5. ROTATOR ASSEMBLY

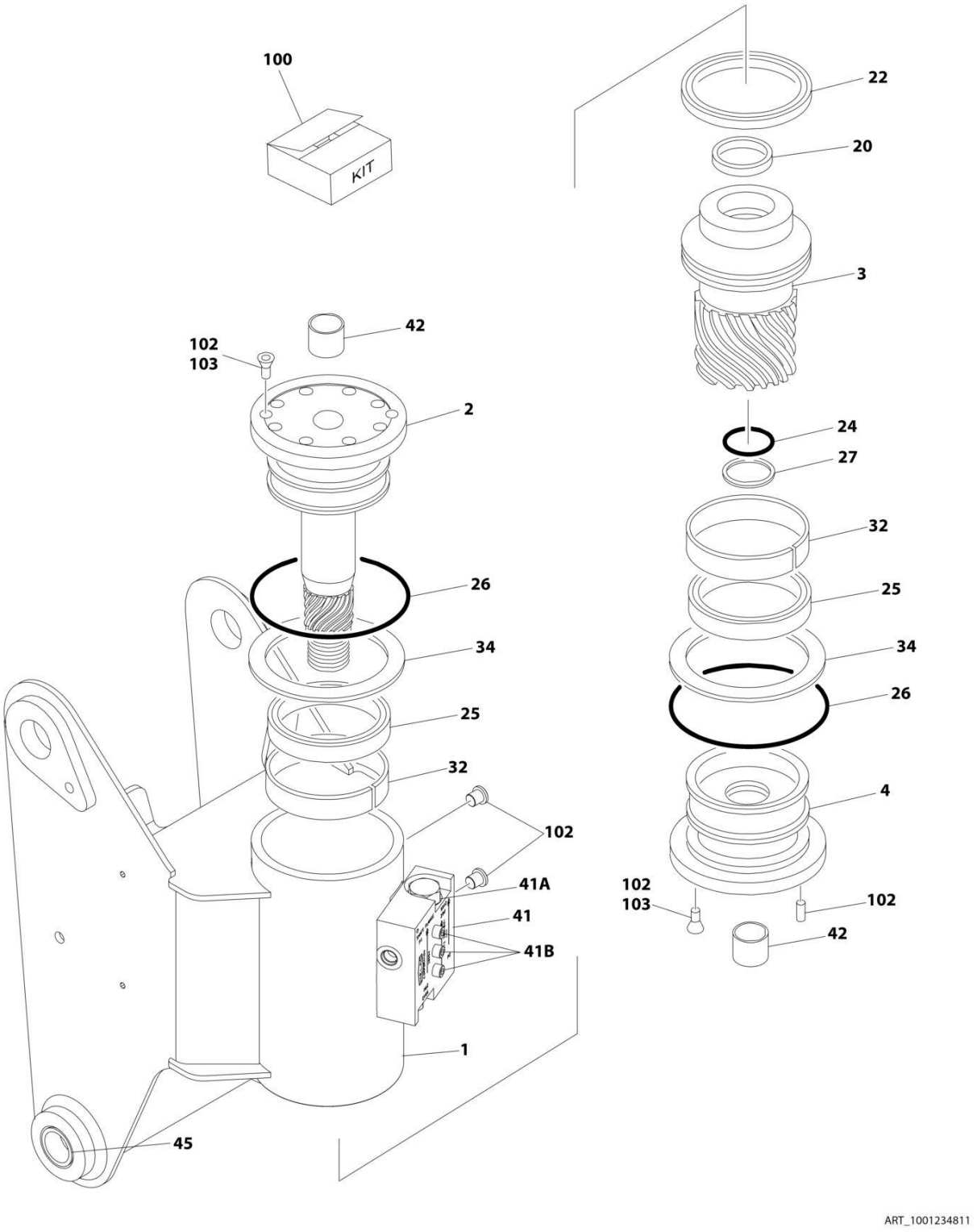


FIGURE 4-5. ROTATOR ASSEMBLY

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

FIGURE 4-6. PLATFORM SUPPORT INSTALLATION

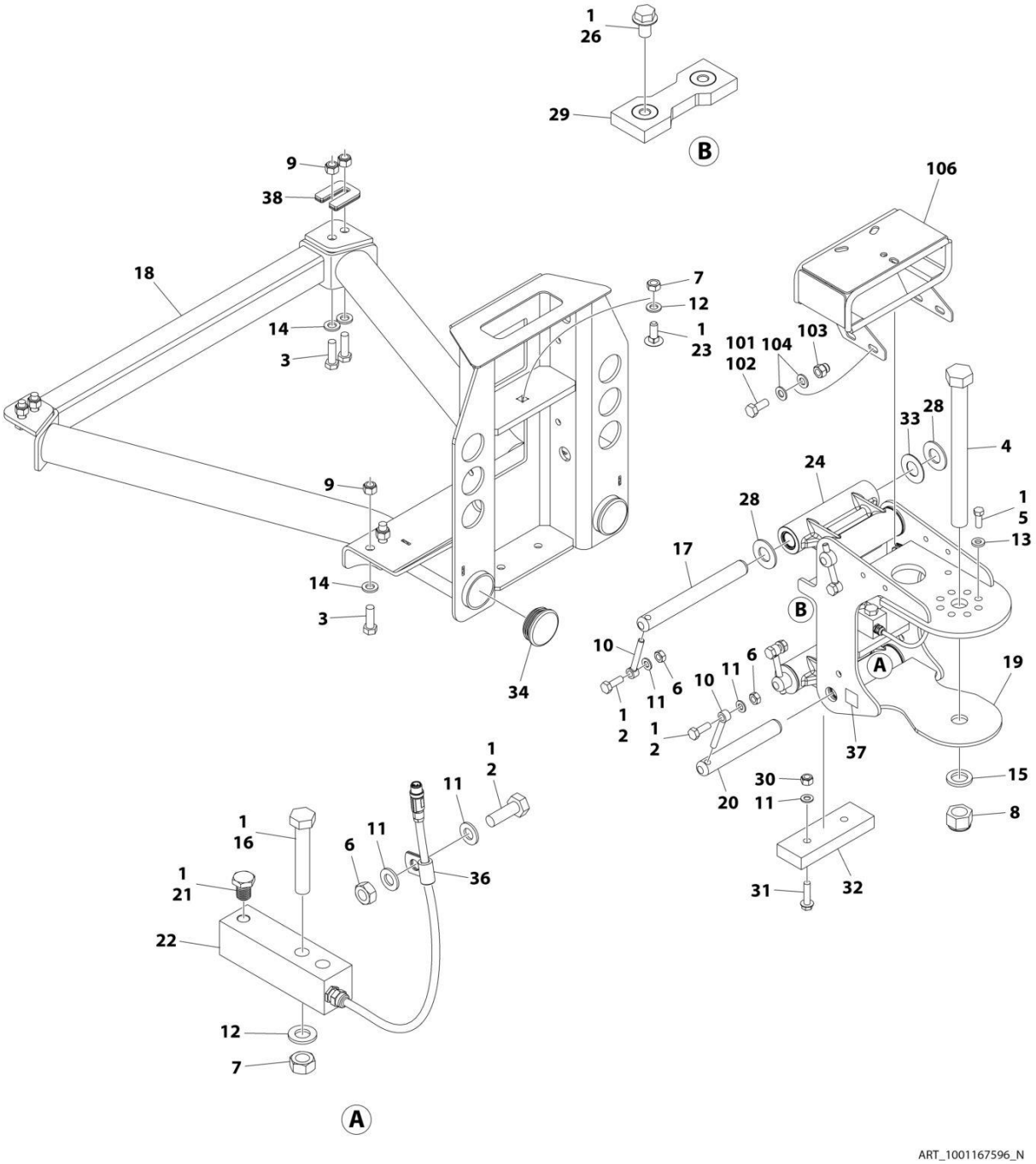


FIGURE 4-6. PLATFORM SUPPORT INSTALLATION

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 4-7. POWER TRACK INSTALLATION - MAIN BOOM

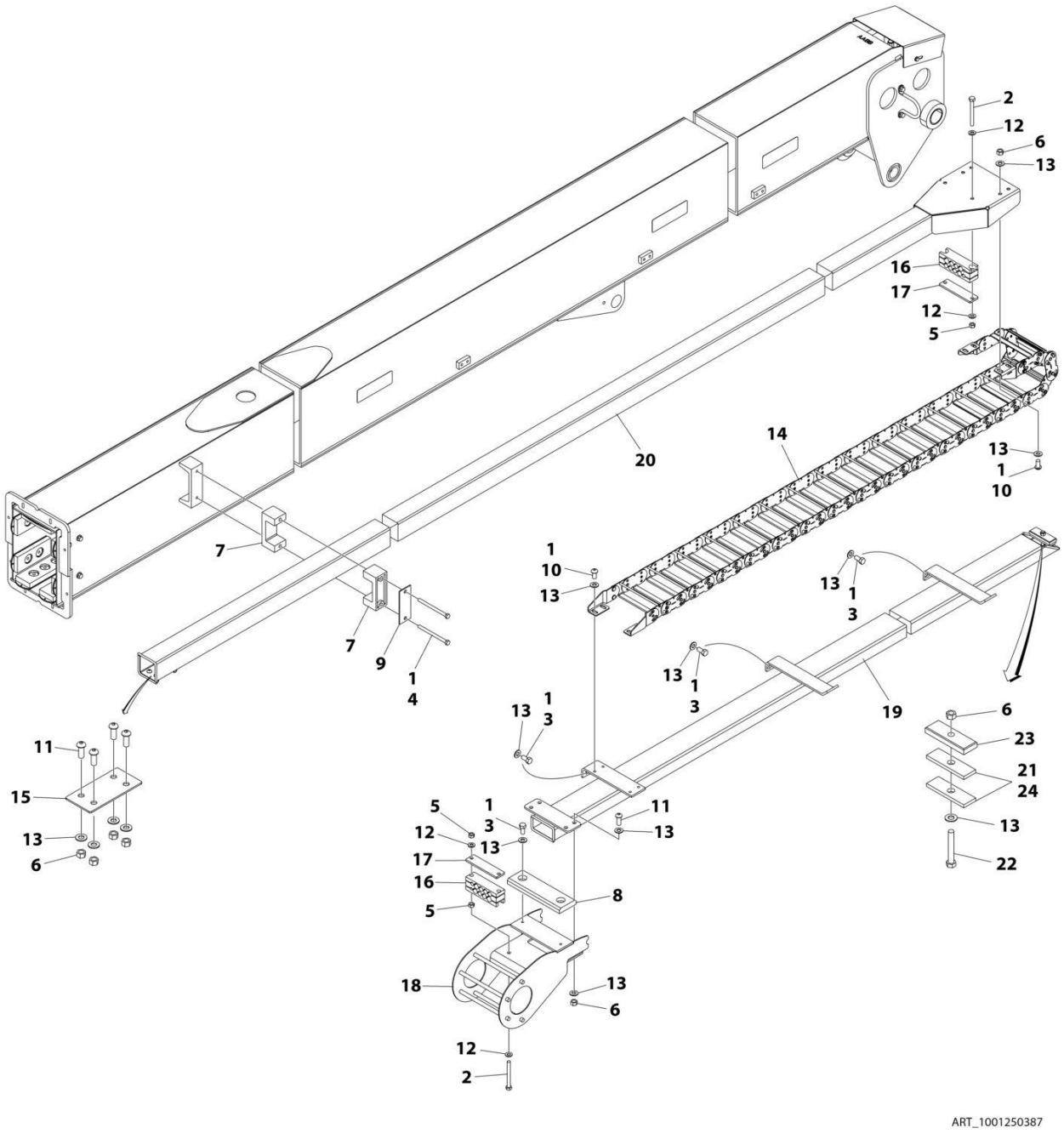


FIGURE 4-7. POWER TRACK INSTALLATION - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250387	Ref	POWER TRACK INSTALLATION - MAIN BOOM	E
1	0100011	AR	Compound, Locking	
2	0641524	4	Bolt 5/16 x 3	
3	0641606	8	Bolt 3/8 x 3/4	
4	0641640	2	Bolt 3/8 x 5	
5	3271505	6	Nut 5/16	
6	3271605	13	Nut 3/8	
7	3340764	2	Pad	
8	3340840	1	Pad	
9	3538758	1	Plate	
10	3900283	8	Screw 3/8 x 3/4	
11	3900316	8	Screw 3/8 x 1	
12	4711500	8	Washer 5/16	
13	4711600	33	Washer 3/8	
14	1001255961	1	Power Track Assembly	
14	70007467	1	Repair Section	
14	70007466	1	Mounting Feet Kit	
15	1001176899	1	Plate	
16	1001253817	2	Clamp	
17	1001249824	2	Plate	
18	1001250384	1	Mount	
19	1001250722	1	Mount	
20	1001250900	1	Tube, Push	
21	0100081	AR	Adhesive	
22	0641620	1	Bolt 3/8 x 2-1/2	
23	1320289	1	Clamp	
24	3340943	2	Pad	

FIGURE 4-8. POWER TRACK INSTALLATION - TOWER BOOM

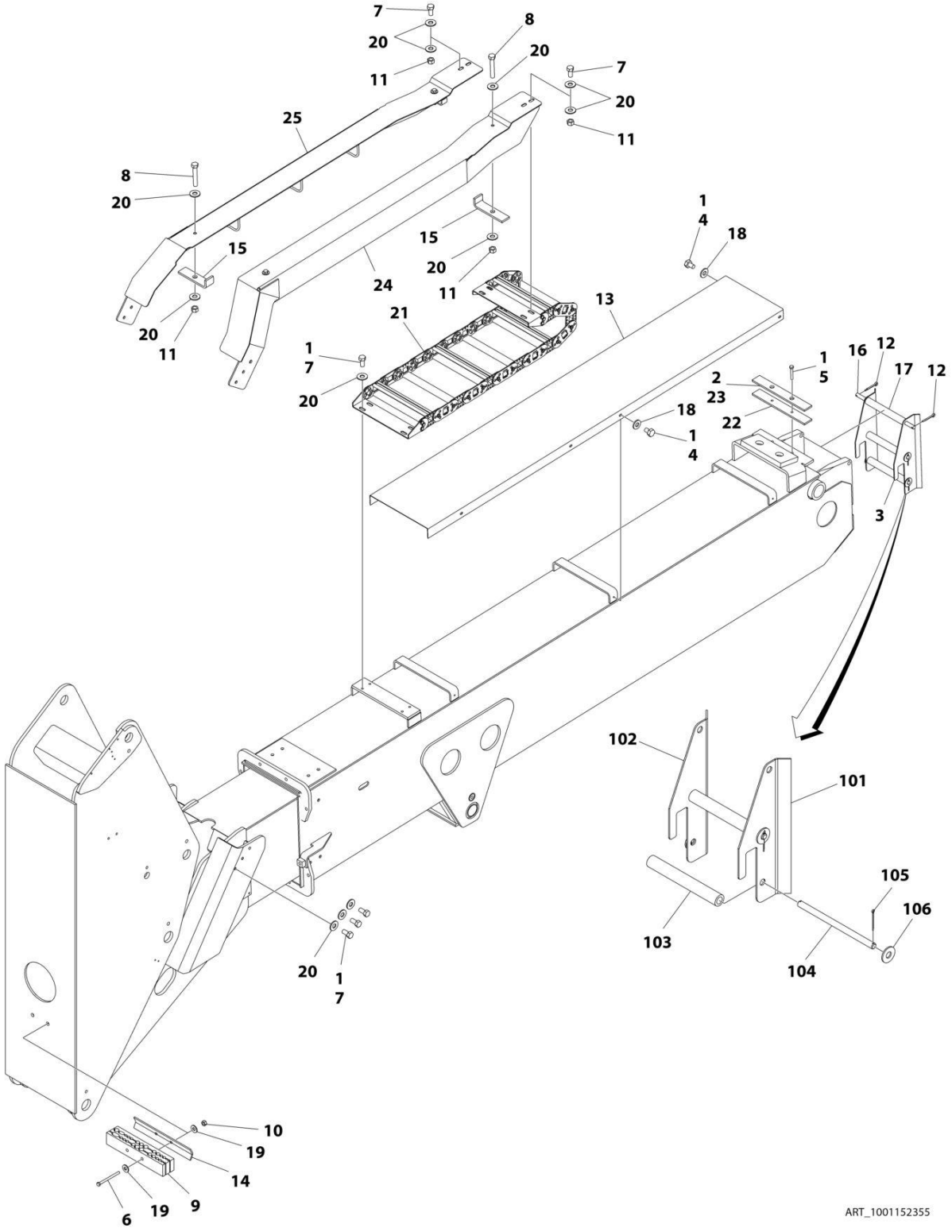


FIGURE 4-8. POWER TRACK INSTALLATION - TOWER BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152355	Ref	POWER TRACK INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0257573	1	Roller Hanger Assembly (Includes Items 101-106)	
4	0641403	6	Bolt 1/4 x 3/8	
5	0641516	2	Bolt 5/16 x 2	
6	0641532	2	Bolt 5/16 x 4	
7	0641606	14	Bolt 3/8 x 3/4	
8	0641618	4	Bolt 3/8 x 2-1/4	
9	1320243	1	Clamp, Block	
10	3311505	2	Nut 5/16	
11	3311605	8	Nut 3/8	
12	3450606	2	Pin, Cotter	
13	3539228	1	Plate, Cover	
14	3570374	1	Plate	
15	1001232880	4	Plate	
16	3841295	1	Rod	
17	4567241	1	Tube	
18	4711400	6	Washer 1/4	
19	4751500	4	Washer 5/16	
20	4751600	26	Washer 3/8	
21	1001099835	1	Power Track Assembly	
21	70002001	AR	Repair Section	
21	70002002	1	Mounting Bracket Kit	
22	1001110500	1	Plate	
23	1001110501	1	Pad	
24	1001151542	1	Bracket	
25	1001151586	1	Bracket	
	0257573	Ref	ROLLER HANGER ASSEMBLY	B
101	3570277	1	Plate (Left Side)	
102	3570270	1	Plate (Right Side)	
103	4567241	2	Roller, Tube	
104	3841347	2	Rod	
105	3450306	4	Pin, Cotter	
106	4751800	4	Washer 1/2	

FIGURE 4-9. CONTROL VALVES INSTALLATION - DEUTZ D2011 AND STAGE V ENGINES

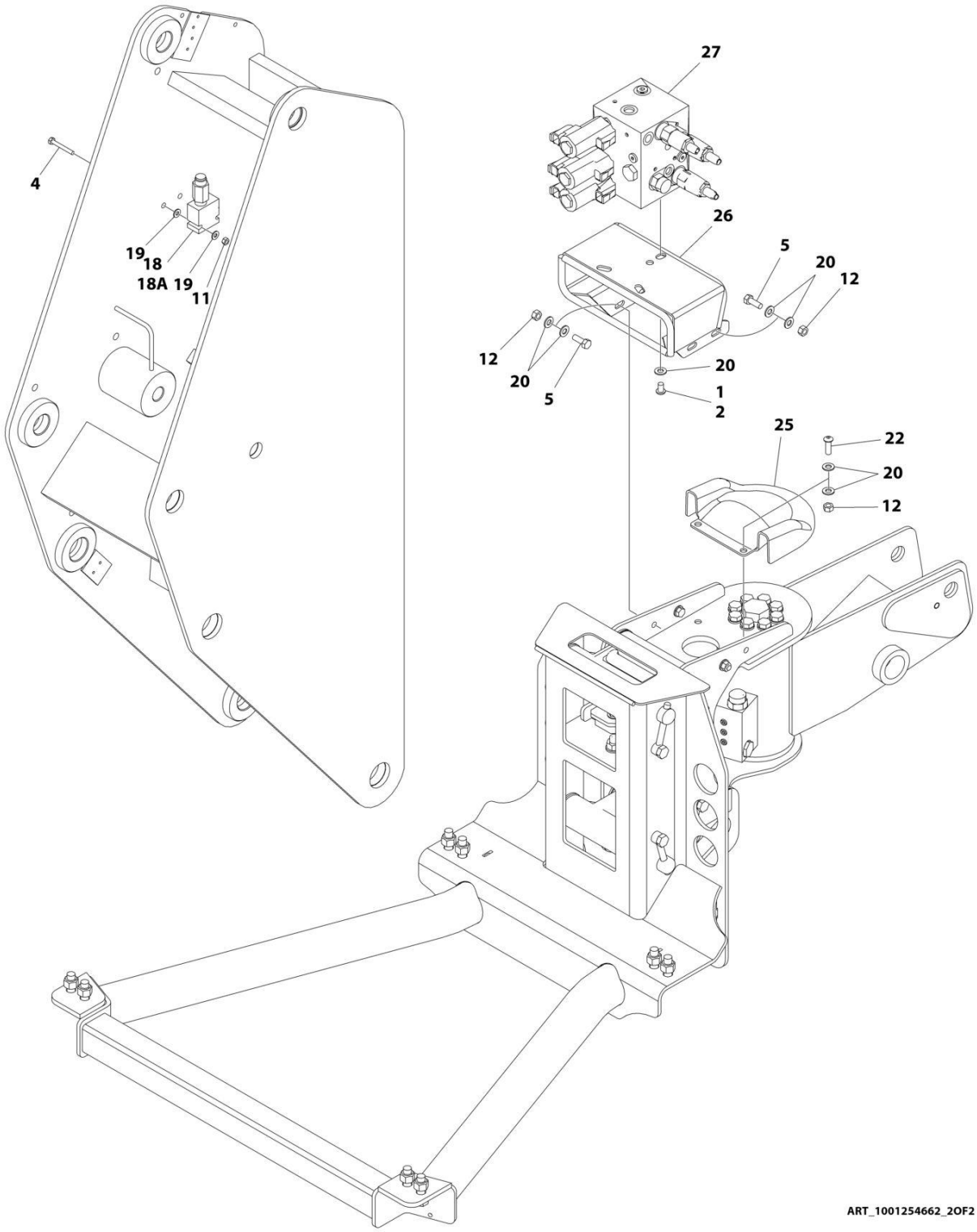


FIGURE 4-9. CONTROL VALVES INSTALLATION - DEUTZ D2011 AND STAGE V ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254662	Ref	CONTROL VALVES INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0630467	3	Screw 5/6-18 x 1/2	
4	0641416	2	Bolt 1/4 x 2	
5	0641507	4	Bolt 5/16 x 7/8	
11	3311405	2	Nut 1/4-20	
12	3311505	6	Nut 5/16	
18	4640929	1	Valve Assembly - Relief	
18A	7012970	1	Cartridge Valve	
18A	7012953	1	Seal Kit - 7012970 Valve	
19	4711400	4	Washer 1/4	
20	4711500	15	Washer 5/16	
22	88261024	2	Screw 5/16 x 1	
25	1001207969	1	Cover	
26	1001208994	1	Mount	
27	1001253677	1	Control Valve Assembly (See Separate Breakdown in this Section)	

FIGURE 4-10. CONTROL VALVES INSTALLATION - DEUTZ TD2.9L4 & FORD ENGINES

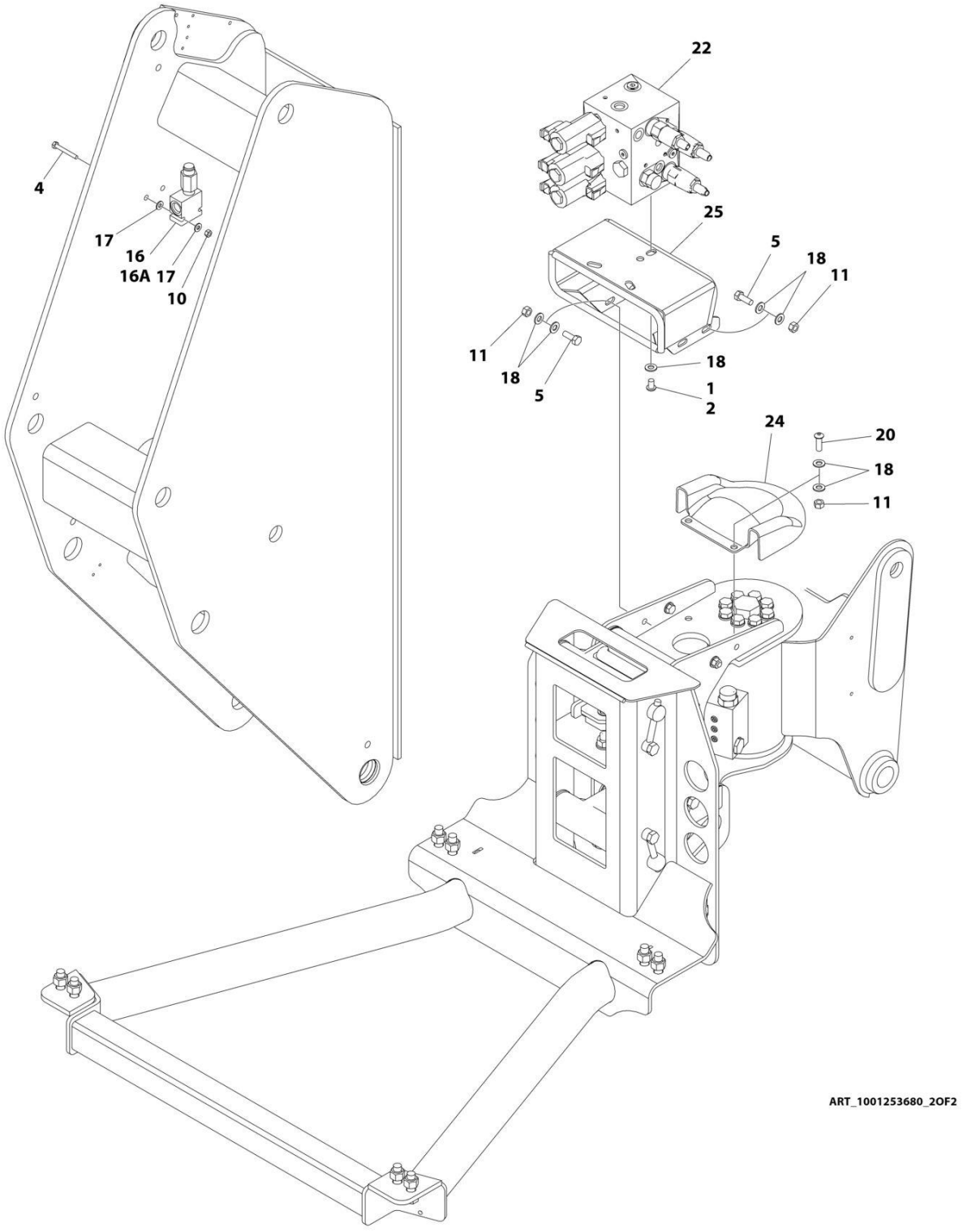


FIGURE 4-10. CONTROL VALVES INSTALLATION - DEUTZ TD2.9L4 & FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253680	Ref	CONTROL VALVES INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0630467	3	Screw 5/6-18 x 1/2	
4	0641416	2	Bolt 1/4 x 2	
5	0641507	4	Bolt 5/16 x 7/8	
10	3311405	2	Nut 1/4-20	
11	3311505	6	Nut 5/16	
16	4640929	1	Valve Assembly - Relief	
16A	7012970	1	Cartridge Valve	
16A	7012953	1	Seal Kit - 7012970 Valve	
17	4711400	4	Washer 1/4	
18	4711500	15	Washer 5/16	
20	88261024	2	Screw 5/16 x 1	
22	1001253677	1	Control Valve Assembly (See Separate Breakdown in this Section)	
24	1001207969	1	Cover	
25	1001208994	1	Mount	

FIGURE 4-11. BOOM VALVE ASSEMBLY

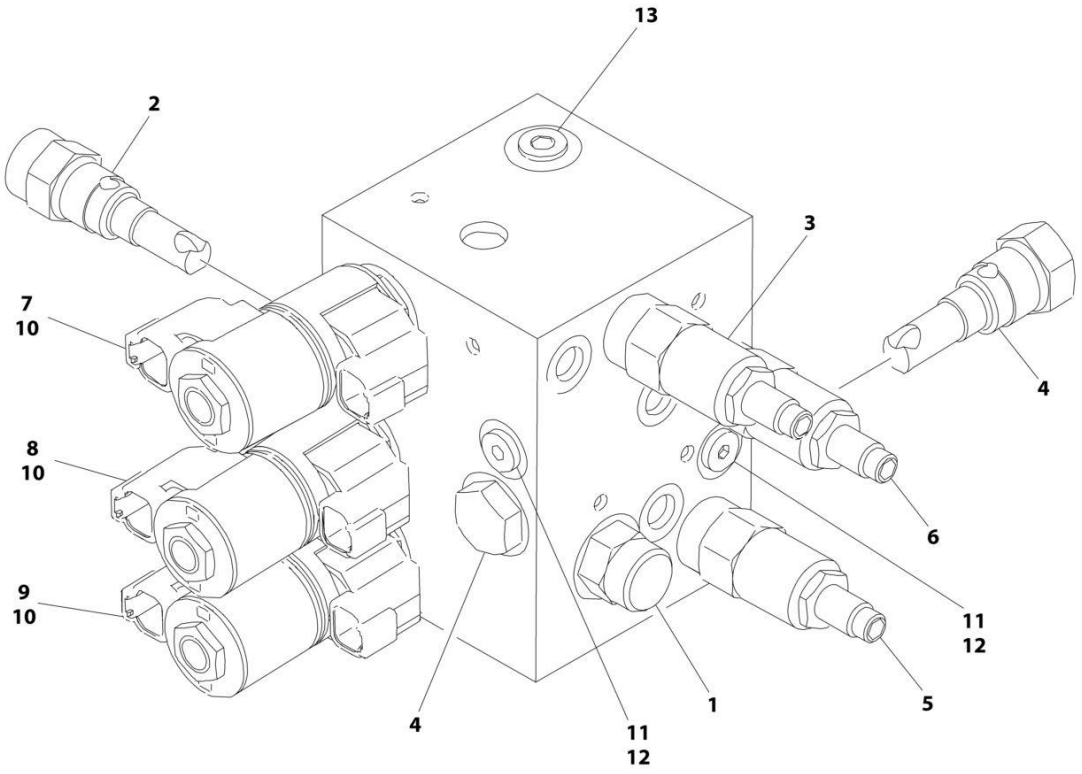


FIGURE 4-11. BOOM VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253677	Ref	BOOM VALVE ASSEMBLY	B
1	7012989	1	Valve, Flow	
1	7012953	1	Seal Kit - 7012989 Valve	
2	7012965	1	Valve, Flow	
2	7012953	1	Seal Kit - 7012965 Valve	
3	70004151	1	Valve, Relief	
3	7021653	1	Seal Kit - 70003962 Valve	
4	7012914	2	Valve, Cartridge	
4	7012918	2	Seal Kit - 7012914 Valve	
5	7023911	1	Valve, Relief	
5	7012967	1	Seal Kit - 7023911 Valve	
6	70007446	1	Valve, Relief	
6	7012998	1	Seal Kit - 70007446 Valve	
7	7017452	1	Valve, Solenoid (Jib)	
7	7017402	2	Seal Kit - 7017452 Valve	
8	7017452	1	Valve, Solenoid (Platform Level)	
8	7017402	1	Seal Kit - 7017452 Valve	
9	7017452	1	Valve, Solenoid (Rotator)	
9	7017402	2	Seal Kit - 7017452 Valve	
10	70002386	6	Coil	
11	70002064	2	Plug, Orifice	
12	2220883	2	Plug	
13	91164079	1	Plug	

FIGURE 4-12. BOOM VALVES AND LIMIT SWITCHES INSTALLATION

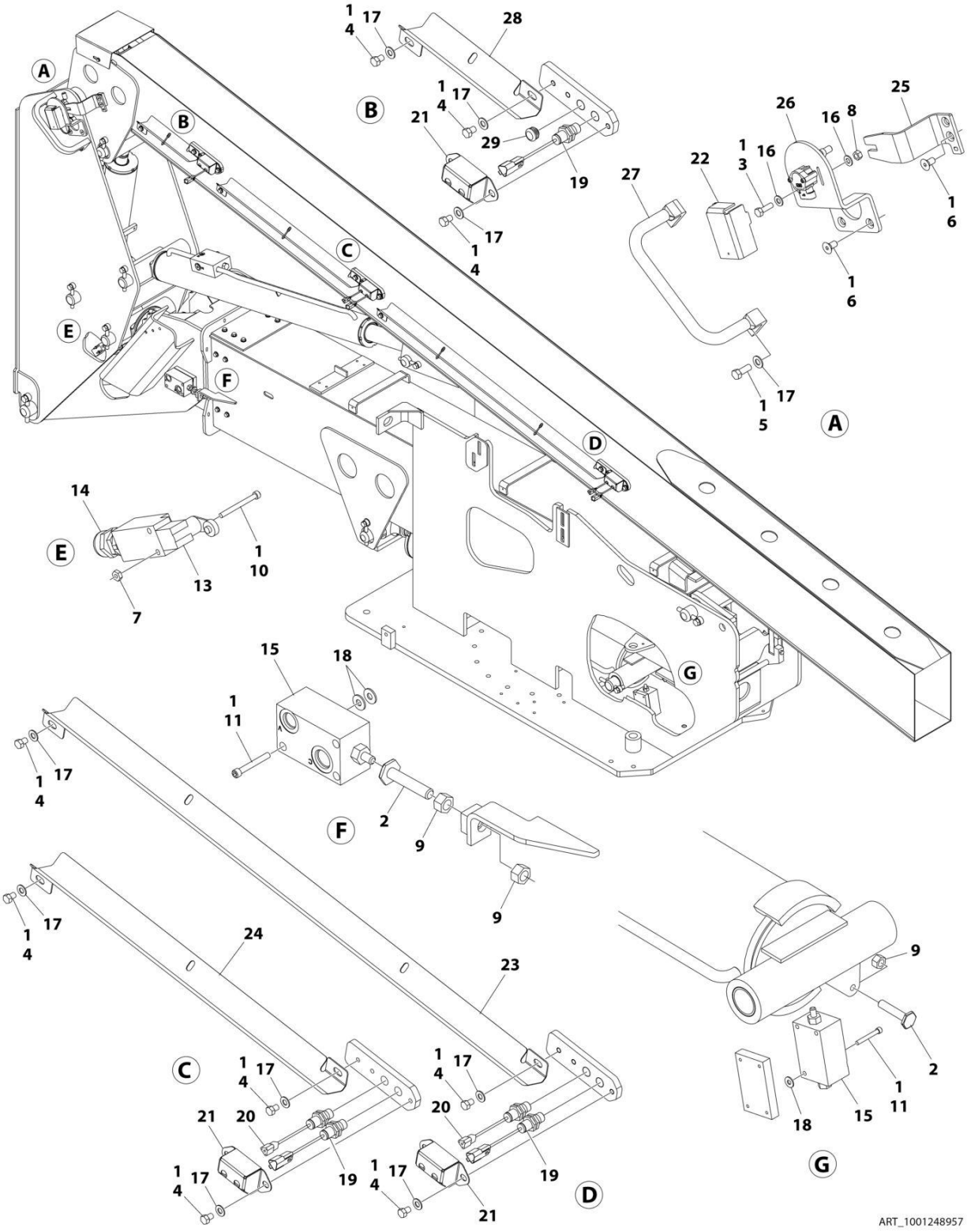


FIGURE 4-12. BOOM VALVES AND LIMIT SWITCHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248957	Ref	BOOM VALVES AND LIMIT SWITCHES INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0630427	2	Bolt	
3	0641508	1	Bolt 5/16 x 1	
4	0641604	12	Bolt 3/8 x 1/2	
5	0641608	2	Bolt 3/8 x 1	
6	0741606	4	Screw 3/8 x 3/4	
7	3310801	2	Nut #8	
8	3311501	1	Nut 5/6	
9	3311801	3	Nut 1/2	
10	3930828	2	Capscrew #8 x 1-3/4	
11	3931430	6	Capscrew 1/4 x 1-7/8	
12	4240033	5	Tie-Strap (Not Shown)	
13	4360578	1	Switch, Limit	
14	4460968	1	Connector, Strain Relief	
15	4641436	2	Valve, 2-Way	
16	4711500	2	Washer 5/16	
17	4711600	14	Washer 3/8	
18	4751400	9	Washer 1/4	
19	1001170847	3	Sensor, Proximity	
20	1001182570	2	Sensor, Proximity	
21	1001204715	3	Bracket	
22	1001211588	1	Shield	
23	1001238138	1	Angle	
24	1001238327	1	Angle	
25	1001248958	1	Plate	
26	1001248962	1	Sensor, Angle	
27	1001263612	1	Bar, Guard	
28	1001250531	1	Plate	
29	3520193	1	Plug	

FIGURE 4-13. BOOM SENSOR INSTALLATION (TOWER STOW)

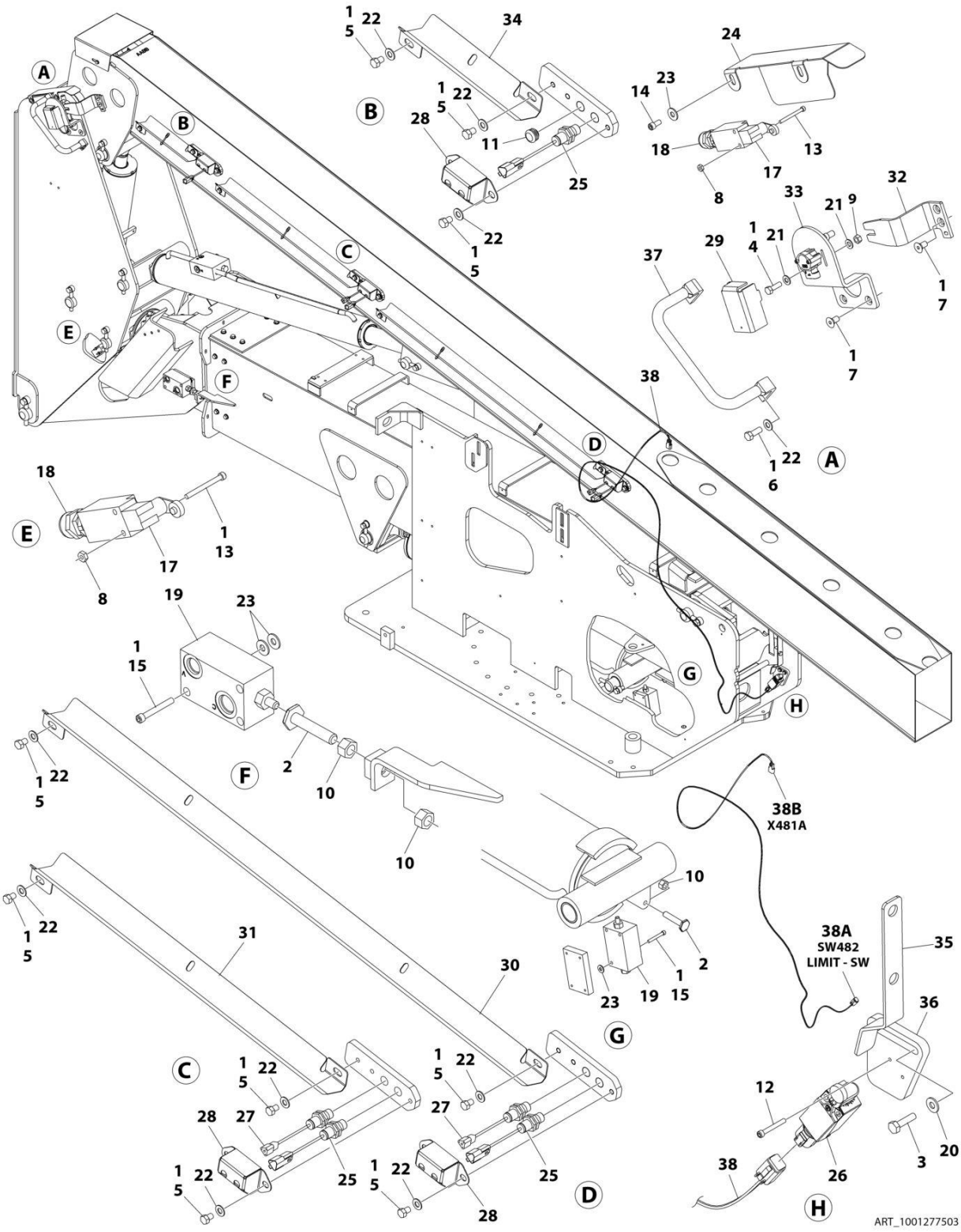


FIGURE 4-13. BOOM SENSOR INSTALLATION (TOWER STOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277503	Ref	BOOM SENSOR INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0630427	2	Bolt	
3	0641408	2	Bolt 1/4 x 1	
4	0641508	1	Bolt 5/16 x 1	
5	0641604	12	Bolt 3/8 x 1/2	
6	0641608	2	Bolt 3/8 x 1	
7	0741606	4	Screw 3/8 x 3/4	
8	3310801	4	Nut #8	
9	3311501	1	Nut 5/6	
10	3311801	3	Nut 1/2	
11	3520193	1	Plug	
12	3930820	2	Capscrew #8 x 1-1/4	
13	3930828	4	Capscrew #8 x 1-3/4	
14	3931408	2	Capscrew 1/4 x 1/2	
15	3931430	6	Capscrew 1/4 x 1-7/8	
16	4240033	5	Tie-Strap (Not Shown)	
17	4360578	2	Switch, Limit	
18	4460968	2	Connector, Strain Relief	
19	4641436	2	Valve, 2-Way	
20	4711400	2	Washer 1/4	
21	4711500	2	Washer 5/16	
22	4711600	14	Washer 3/8	
23	4751400	11	Washer 1/4	
24	1001155399	1	Cover, Limit Switch	
25	1001170847	3	Sensor, Proximity	
26	1001172271	1	Switch, Roller Limit	
27	1001182570	2	Sensor, Proximity	
28	1001204715	3	Bracket	
29	1001211588	1	Shield	
30	1001238138	1	Angle	
31	1001238327	1	Angle	
32	1001248958	1	Plate	
33	1001248962	1	Sensor, Angle	
34	1001250531	1	Plate	
35	1001259642	1	Plate	
36	1001260070	1	Bracket, Limit Switch	
37	1001263612	1	Bar, Guard	
38	1001266829	1	Harness, Tower Stow Indicator	
38A	4460884	1	Connector - 4 Position	
38A	4460465	2	Socket, Female	
38A	4460466	2	Plug, Terminal	
38B	4460910	1	Connector - 3 Position	
38B	1001116695	2	Terminal, Pin	
38B	4460518	1	Plug, Terminal	

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 4FT (76.2CM X 1.22M) WITH SWING GATE

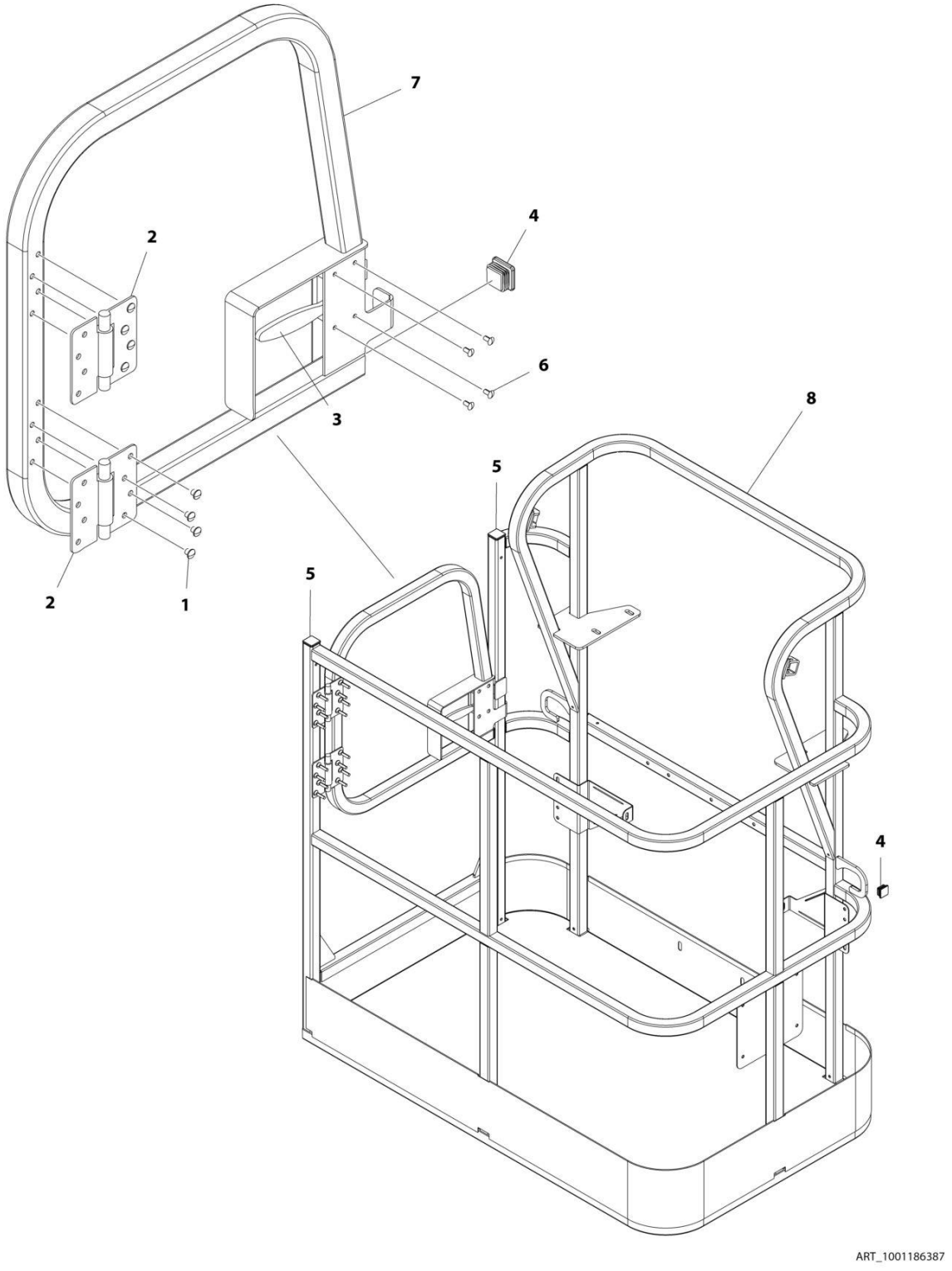


FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 4FT (76.2CM X 1.22M) WITH SWING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186387	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	1	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) - GATE ENTRY

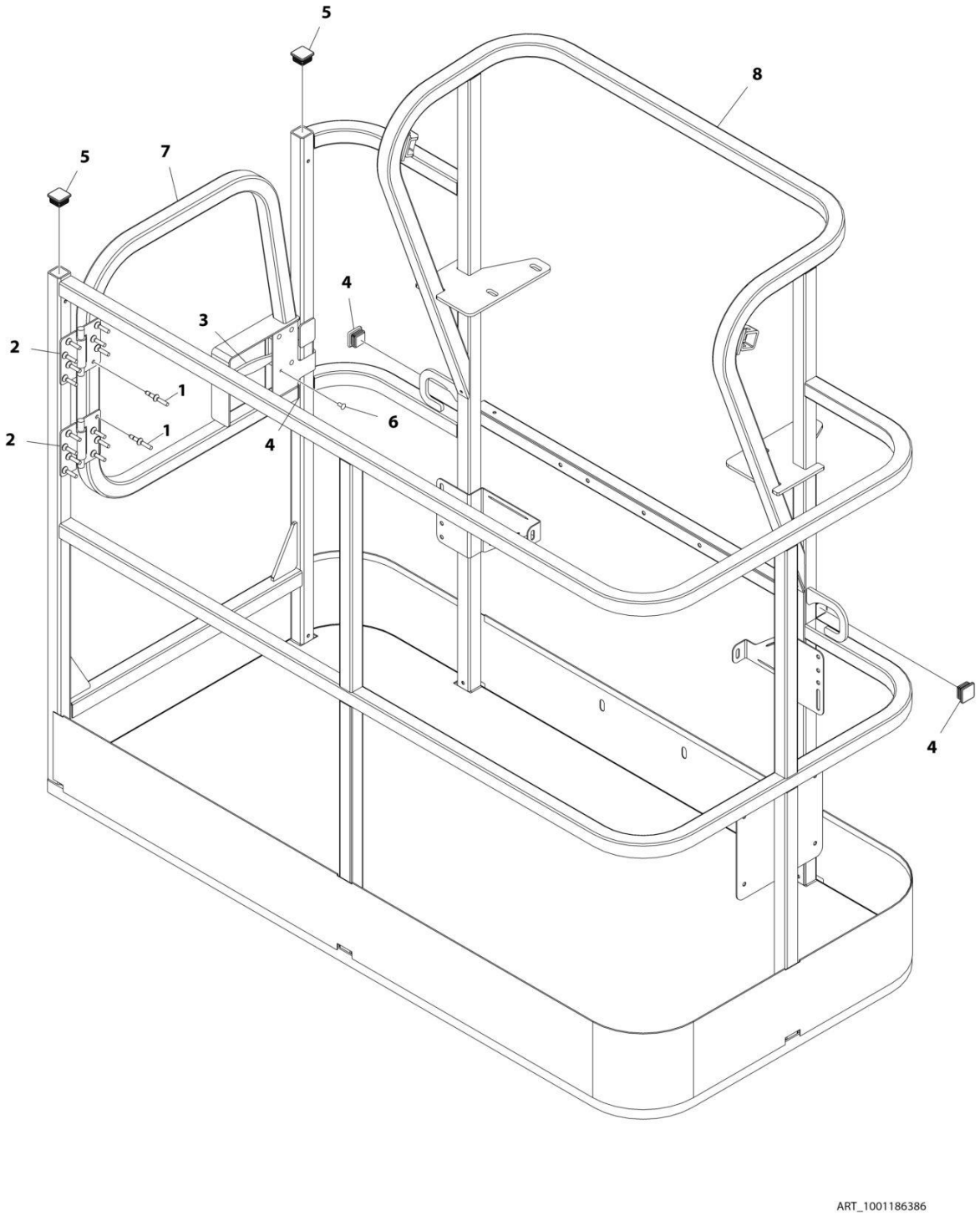


FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) - GATE ENTRY

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

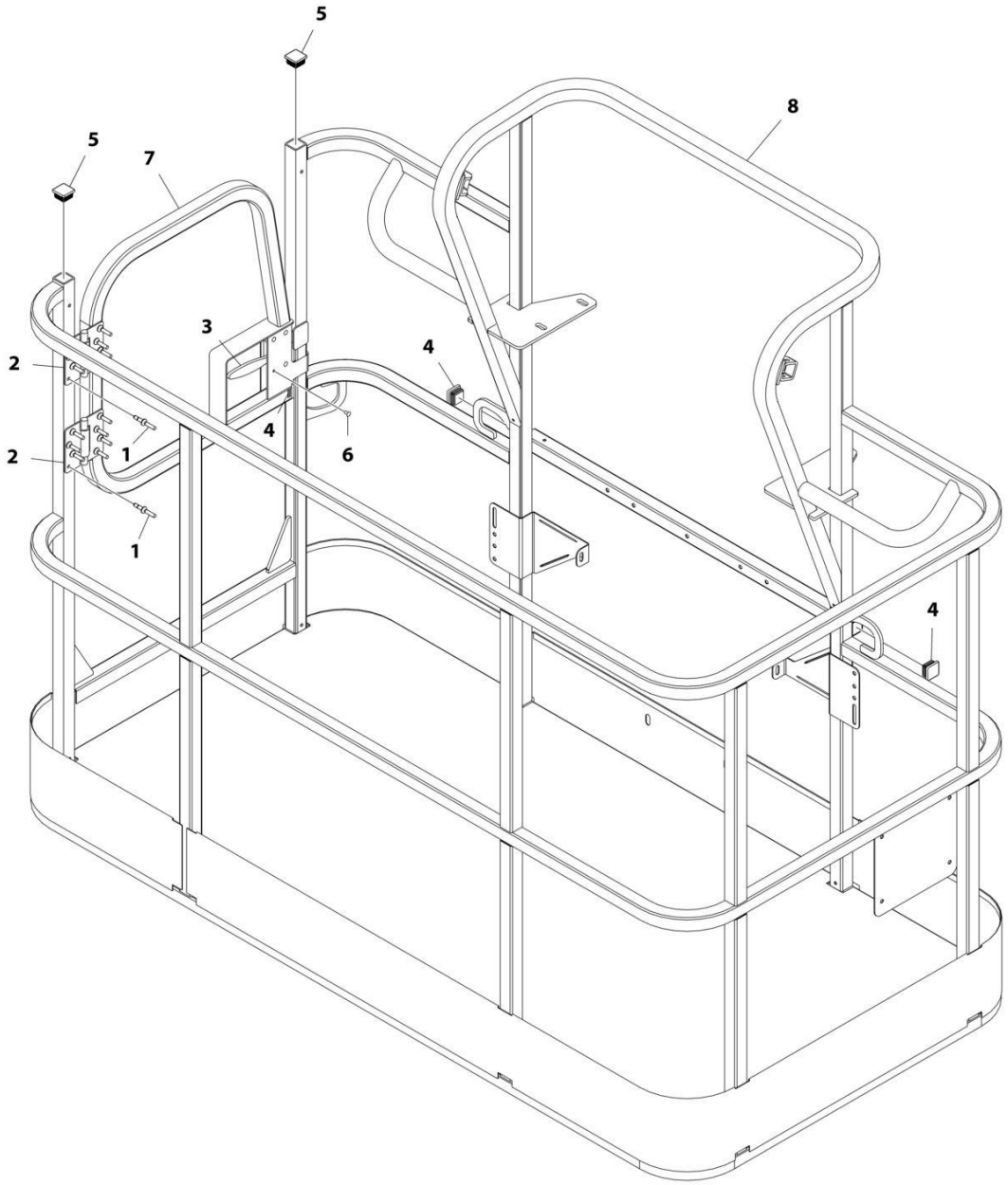


FIGURE 5-3. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE

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

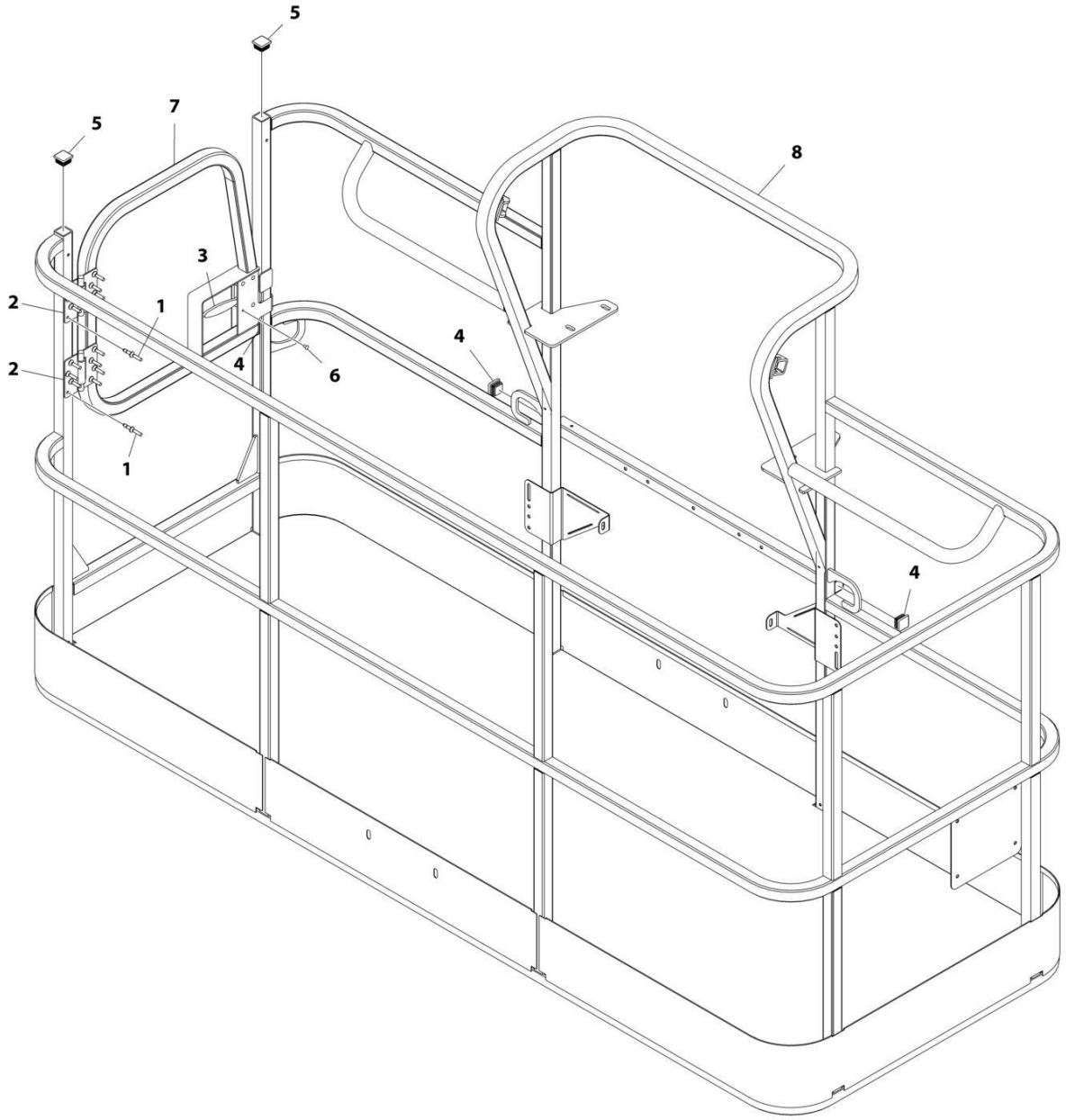
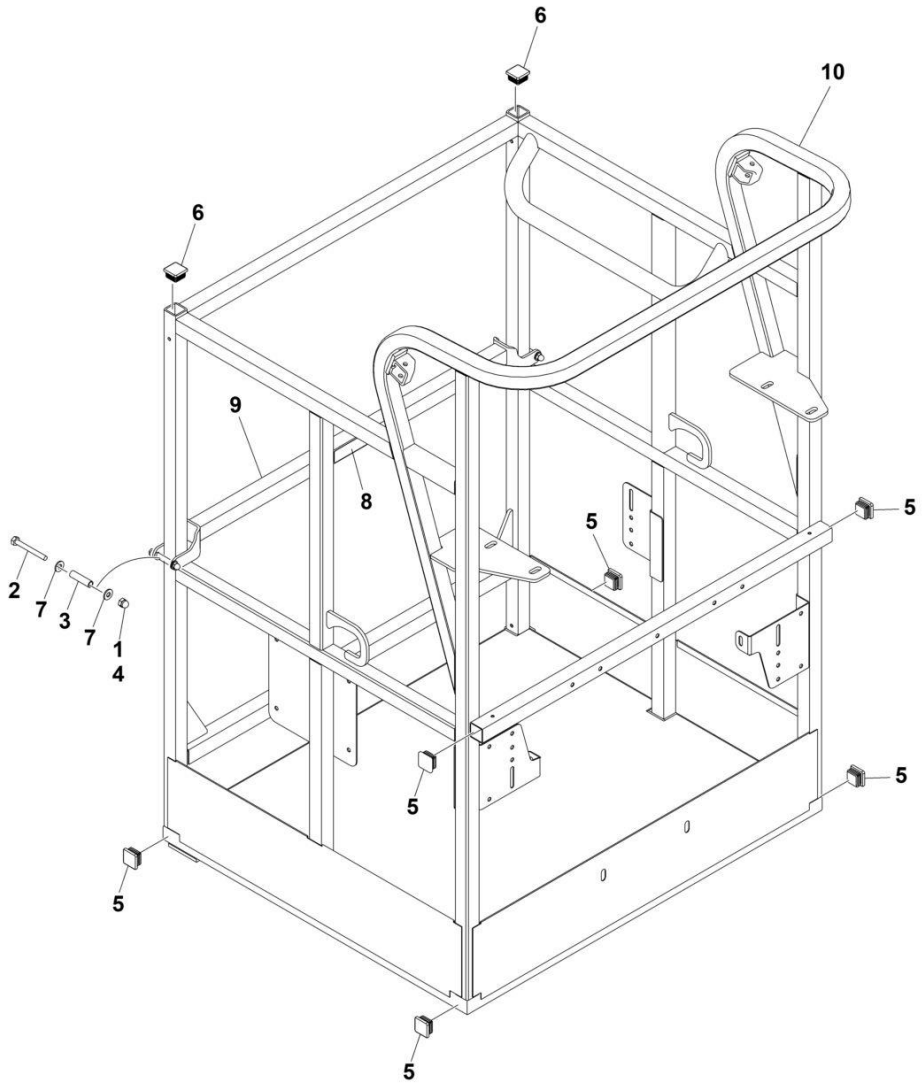


FIGURE 5-4. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE

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 3FT (76CM X .91M) - DROP BAR ENTRY



ART_1001228215

FIGURE 5-5. 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)	

FIGURE 5-6. PLATFORM ASSEMBLY - 30IN X 4FT (76.2CM X 1.22M) WITH DROP BAR

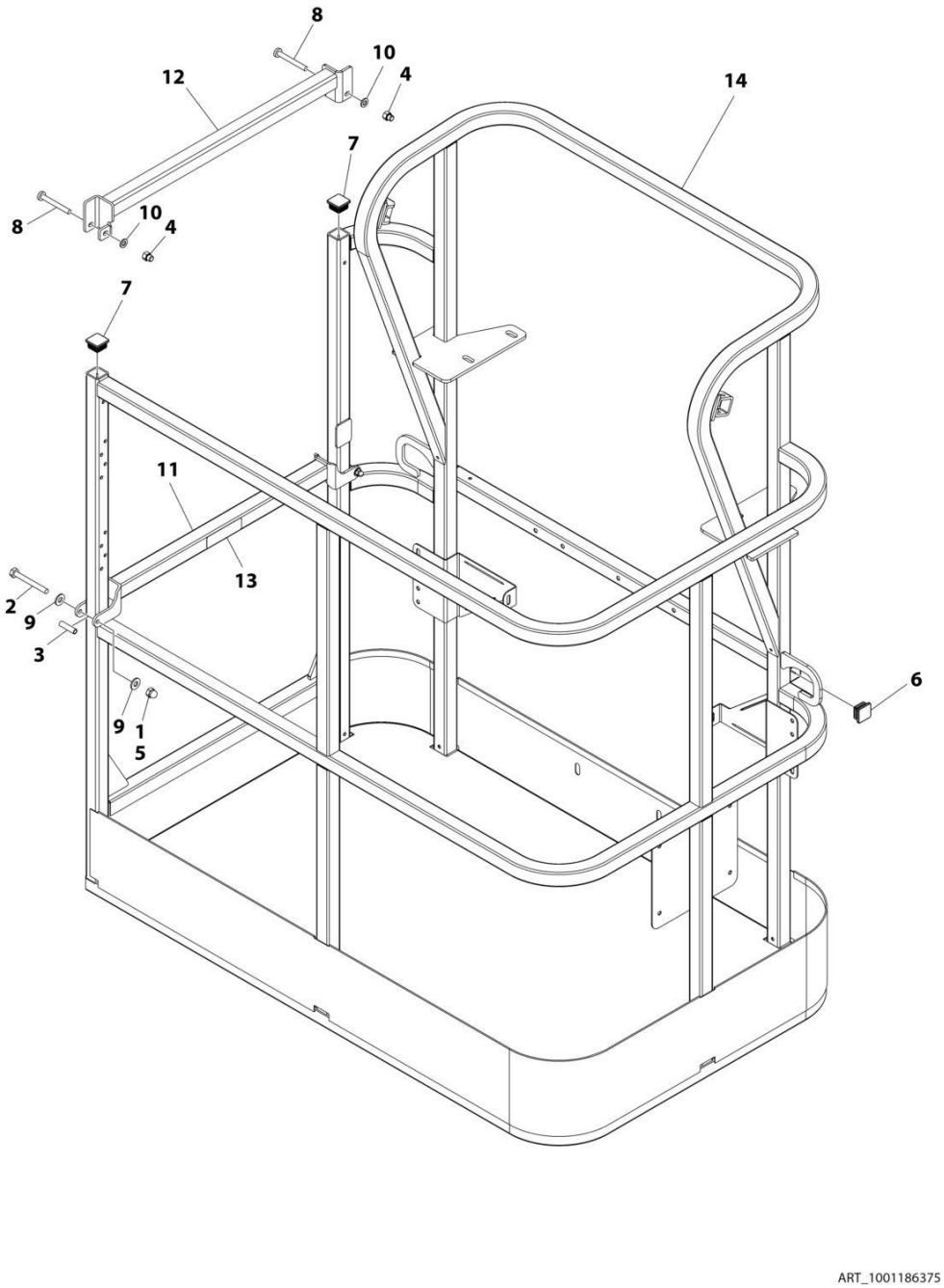


FIGURE 5-6. PLATFORM ASSEMBLY - 30IN X 4FT (76.2CM X 1.22M) WITH DROP BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186375	Ref	PLATFORM ASSEMBLY	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	1	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-7. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) - DROP BAR ENTRY

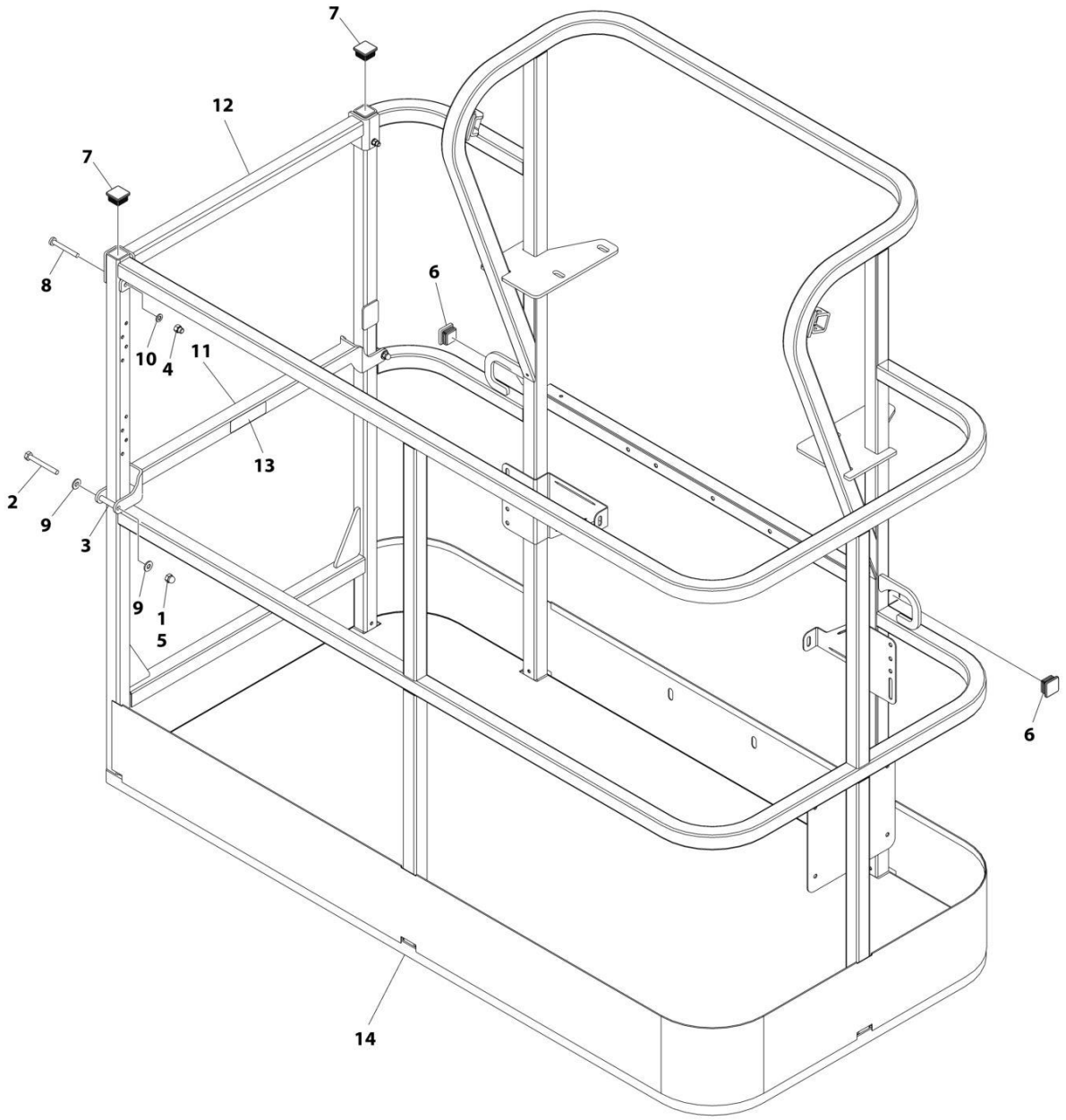


FIGURE 5-7. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) - DROP BAR ENTRY

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 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR

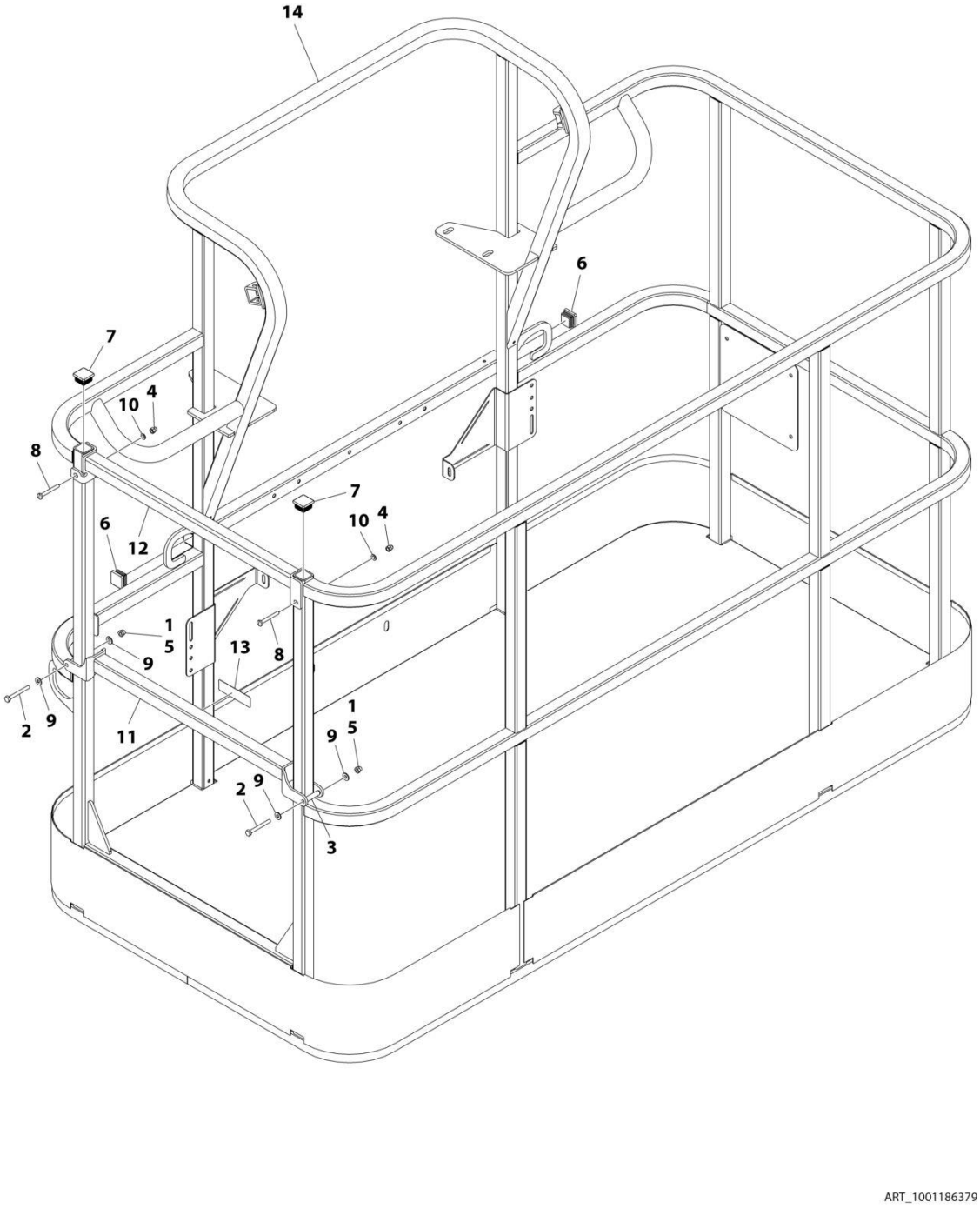


FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR

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 5-9. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR

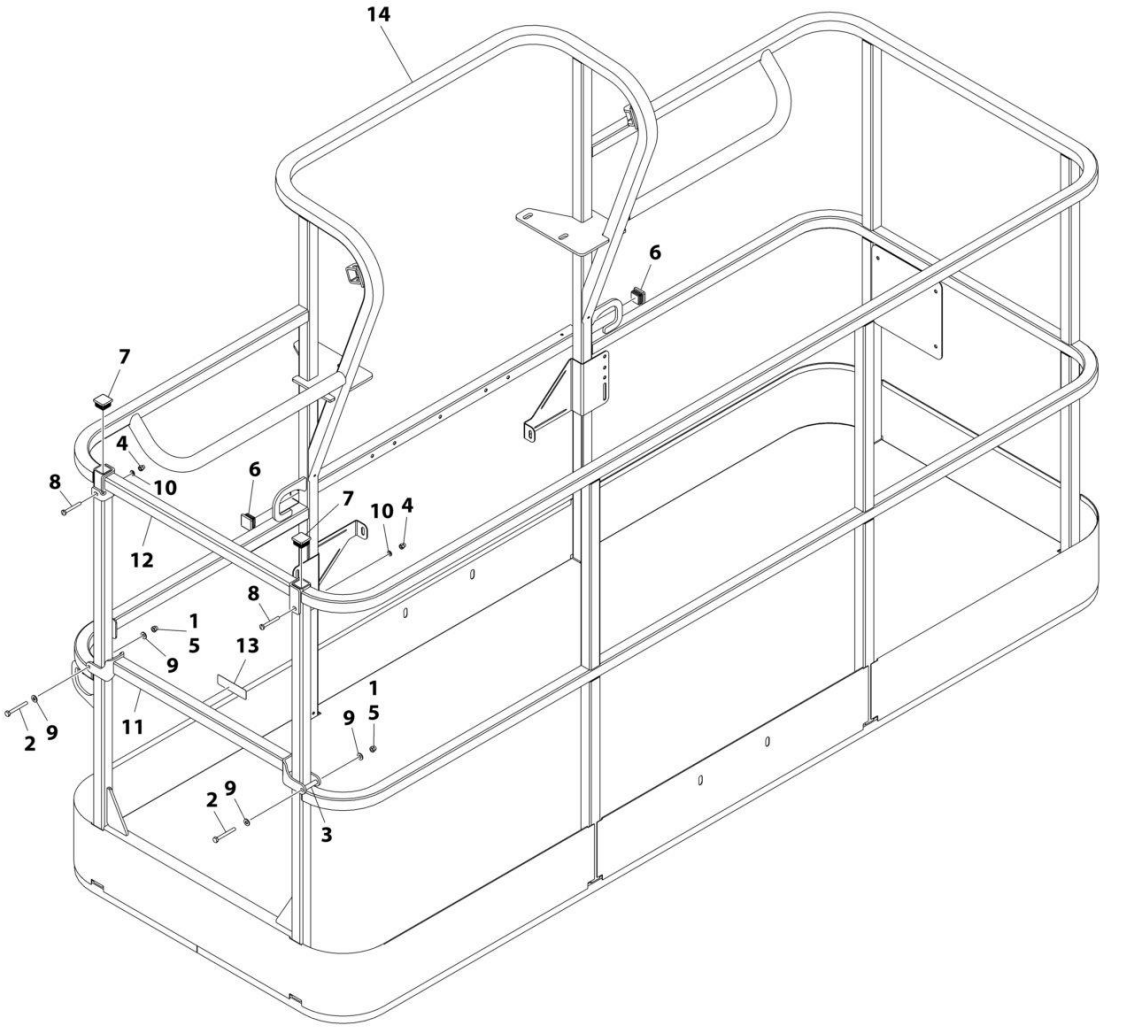


FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR

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)	

FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST

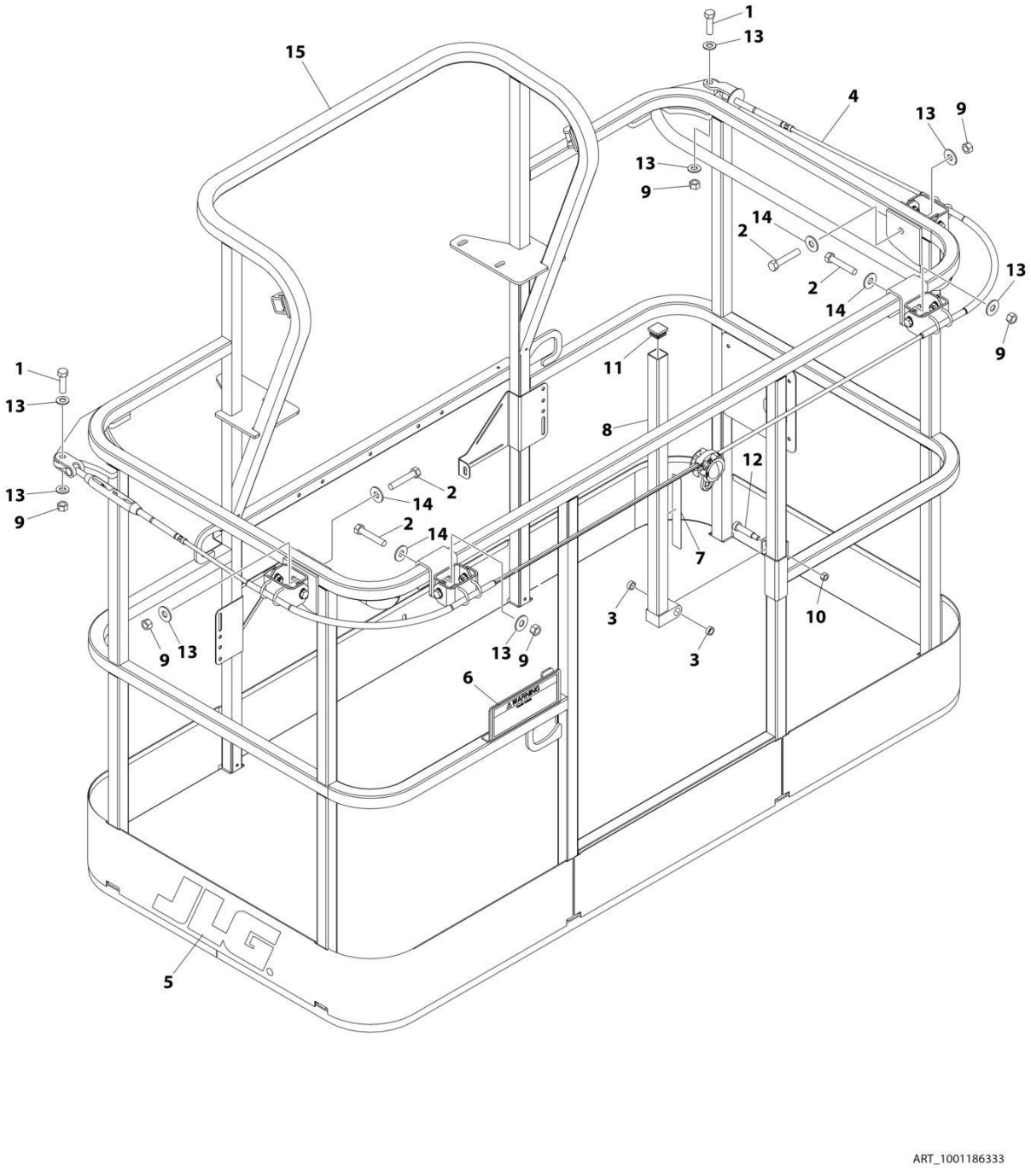


FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST

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 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST

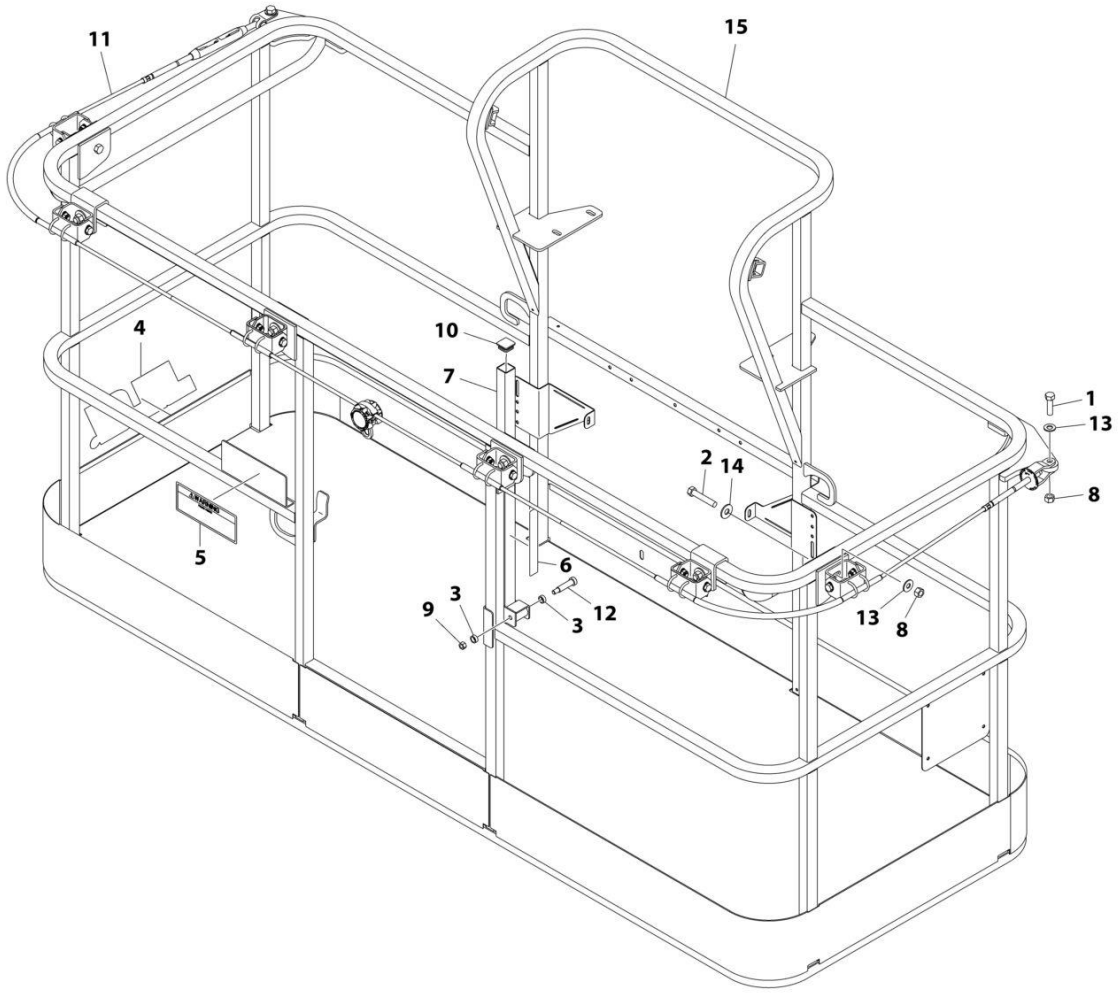


FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST

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)	

SECTION 5 - PLATFORM

FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

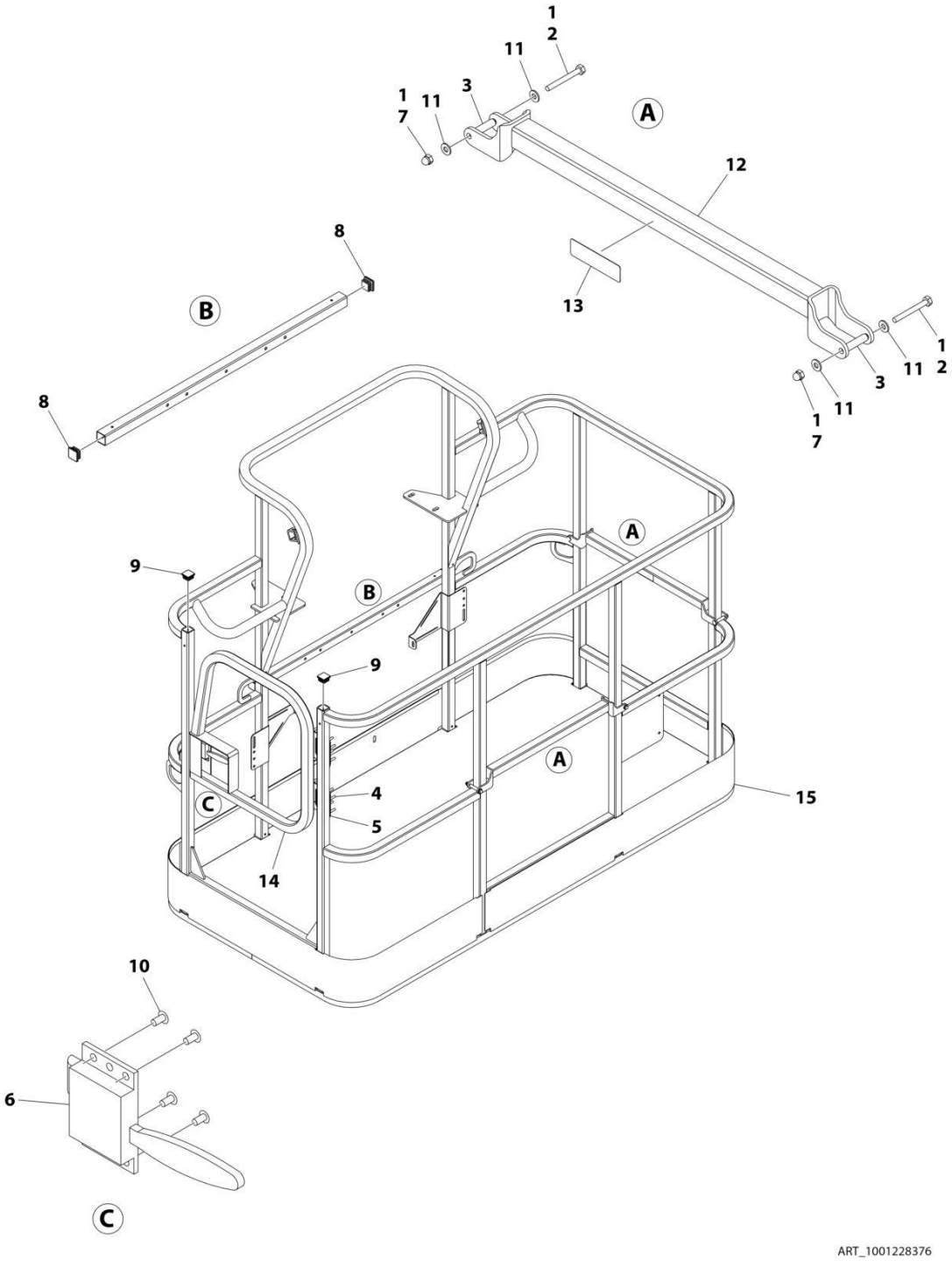


FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

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)	

SECTION 5 - PLATFORM

FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH SWING GATE

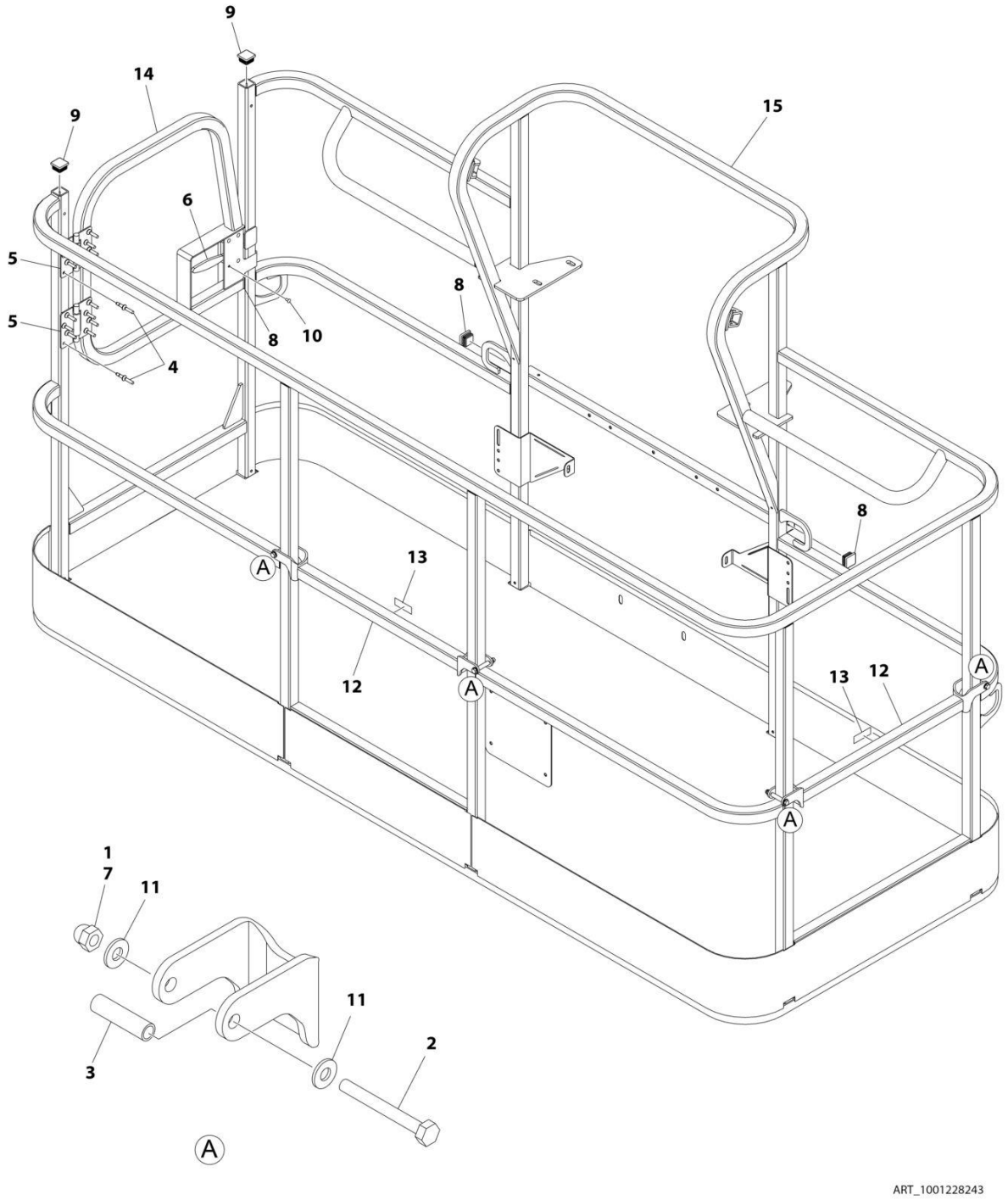


FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH SWING GATE

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

SECTION 5 - PLATFORM

FIGURE 5-14. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROPBAR

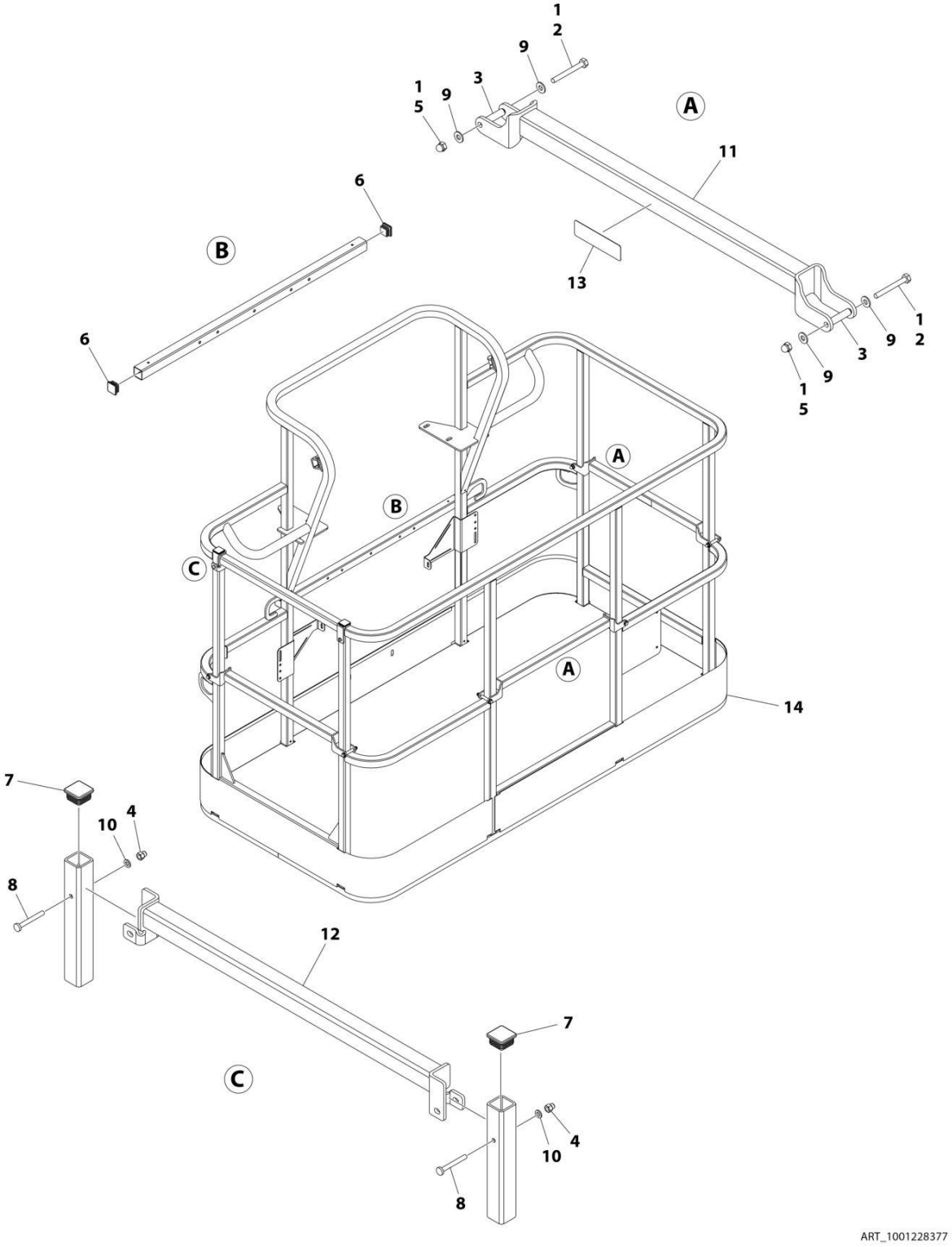


FIGURE 5-14. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROPBAR

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)	

SECTION 5 - PLATFORM

FIGURE 5-15. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPBAR

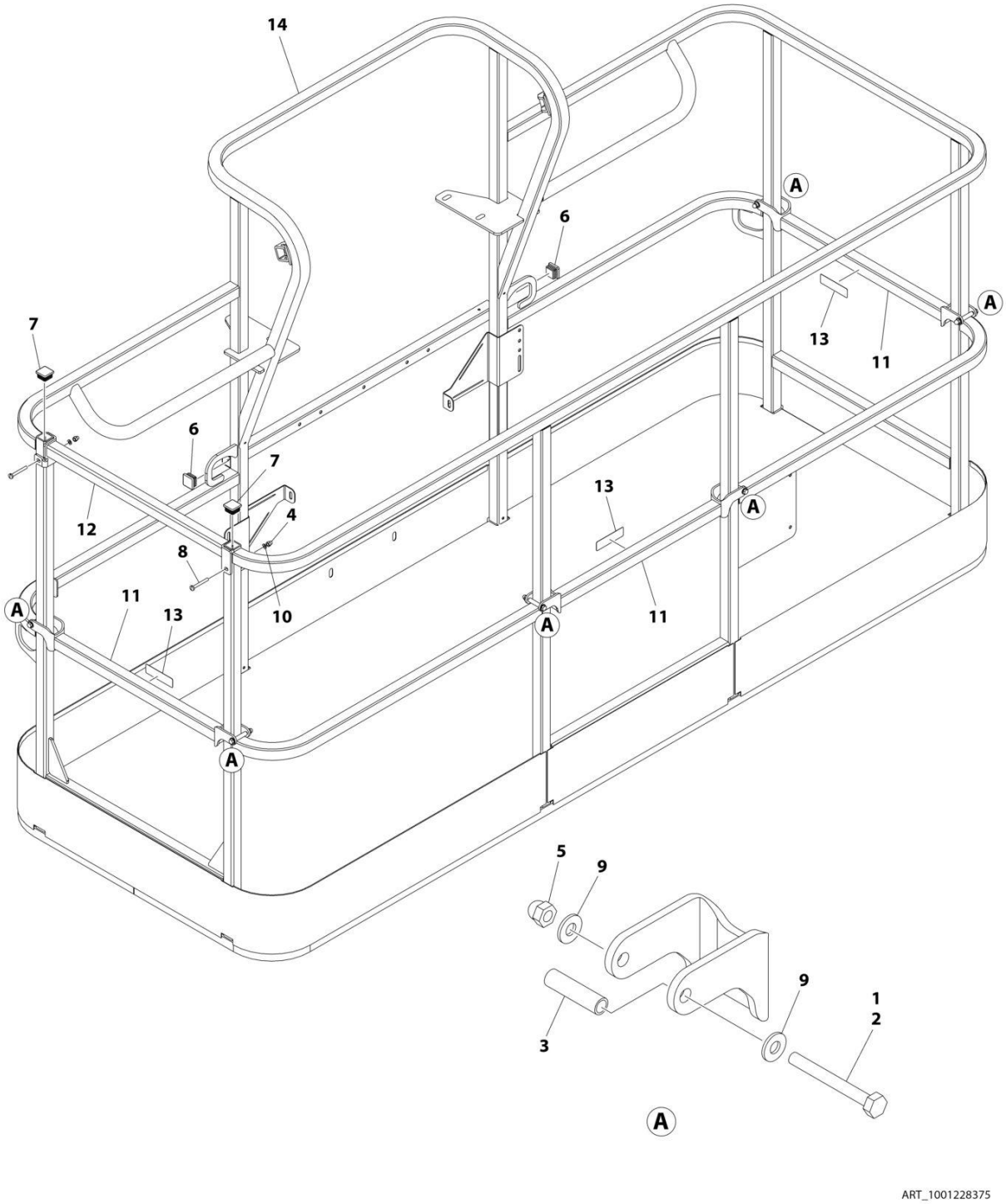


FIGURE 5-15. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPBAR

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 5-16. TRAY ASSEMBLY

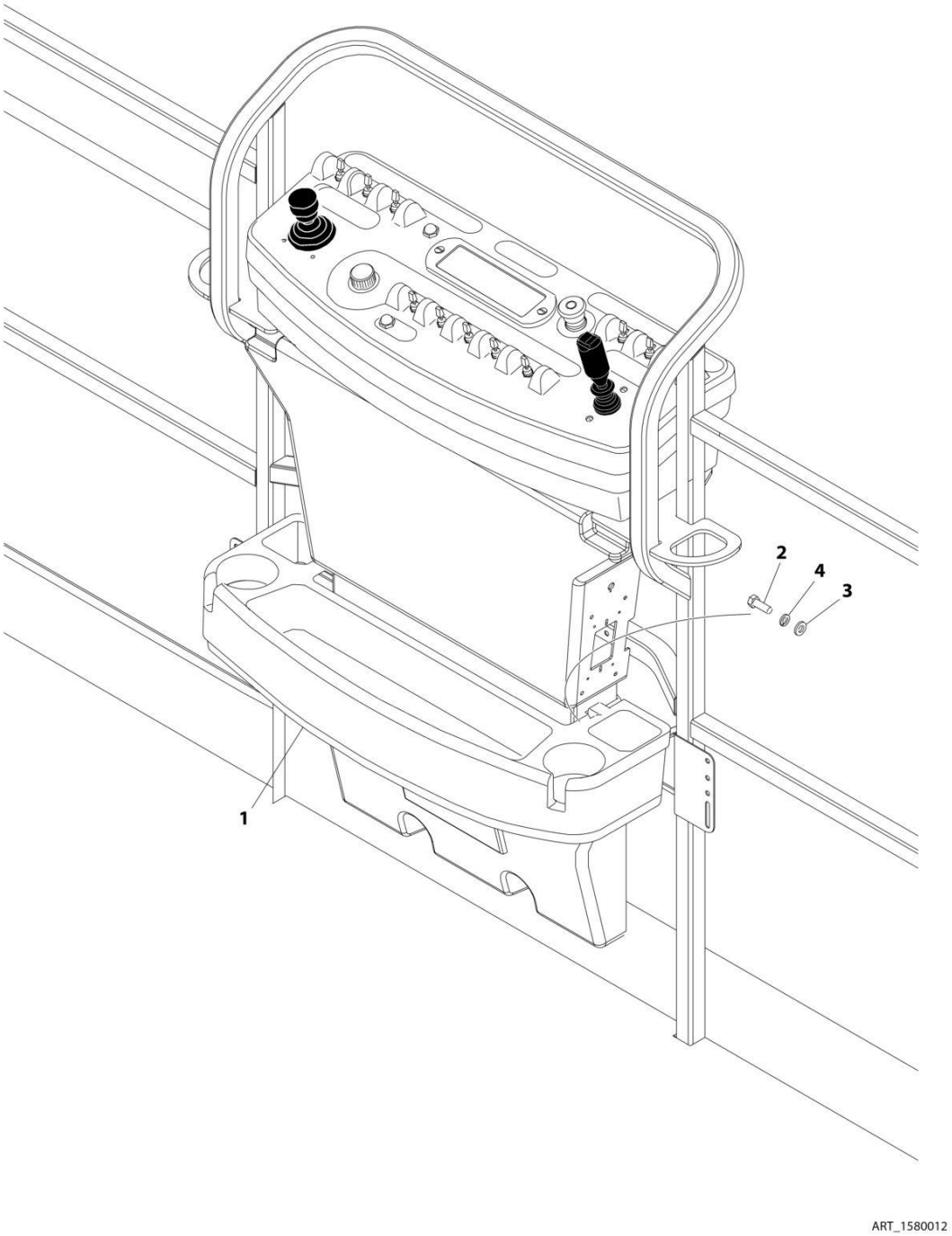


FIGURE 5-16. TRAY ASSEMBLY

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 5-17. CONSOLE AND FOOTSWITCH INSTALLATION

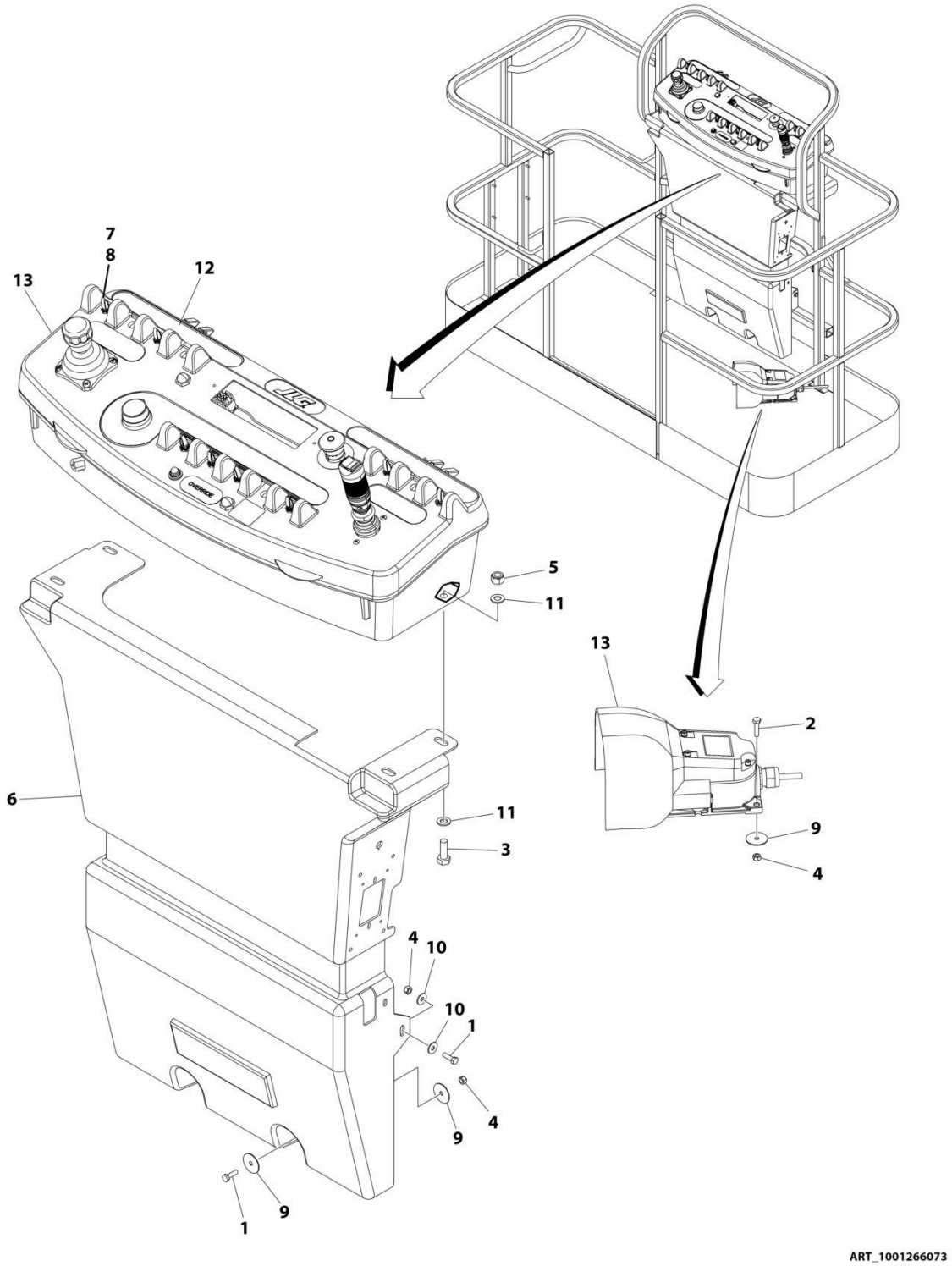


FIGURE 5-17. CONSOLE AND FOOTSWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266073	Ref	PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION	A
1	0641406	4	Bolt 1/4 x 3/4	
2	0641408	3	Bolt 1/4 x 1	
3	0641610	4	Bolt 3/8 x 1-1/4	
4	3311405	7	Nut 1/4	
5	3311605	4	Nut 3/8	
6	3380434	1	Panel	
7	3790012	1	O-Ring	
8	4360331	1	Switch, Toggle	
9	4740362	7	Washer	
10	4751400	4	Washer 1/4	
11	4761600	8	Washer 3/8	
12	1001184626	1	Decal - Horn	
13	1001266069	1	Platform Console Assembly (See Separate Breakdown in this Section)	

FIGURE 5-18. CONSOLE AND FOOTSWITCH INSTALLATION (TOWER STOW)

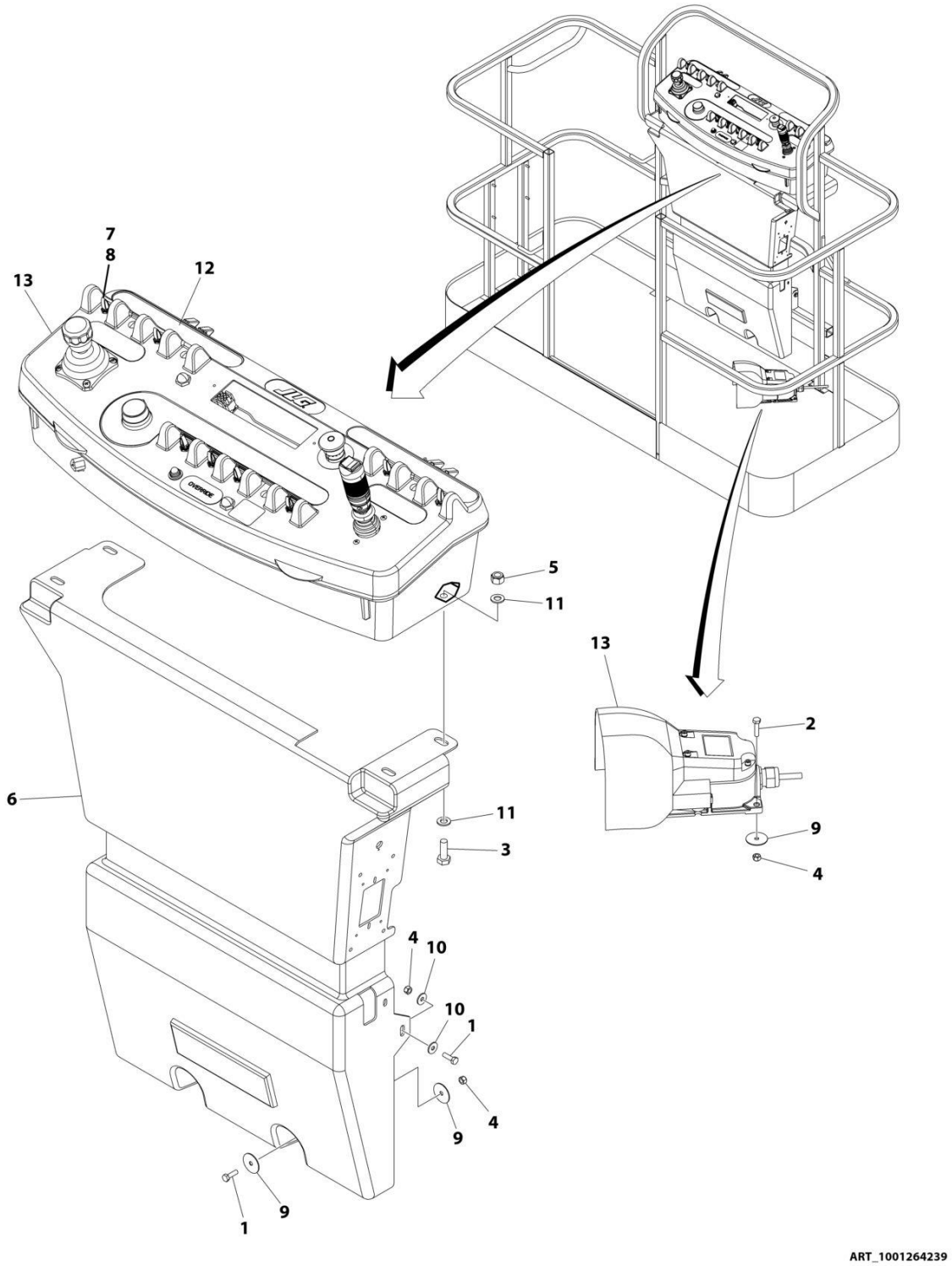


FIGURE 5-18. CONSOLE AND FOOTSWITCH INSTALLATION (TOWER STOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264239	Ref	PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION (TOWER STOW)	A
1	0641406	4	Bolt 1/4 x 3/4	
2	0641408	3	Bolt 1/4 x 1	
3	0641610	4	Bolt 3/8 x 1-1/4	
4	3311405	7	Nut 1/4	
5	3311605	4	Nut 3/8	
6	3380434	1	Panel	
7	3790012	AR	O-Ring	
8	4360331	AR	Switch, Toggle	
9	4740362	7	Washer	
10	4751400	4	Washer 1/4	
11	4761600	8	Washer 3/8	
12	1001184626	AR	Decal - Horn	
13	1001263588	1	Platform Console Assembly (See Separate Breakdown in this Section)	

FIGURE 5-19. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH

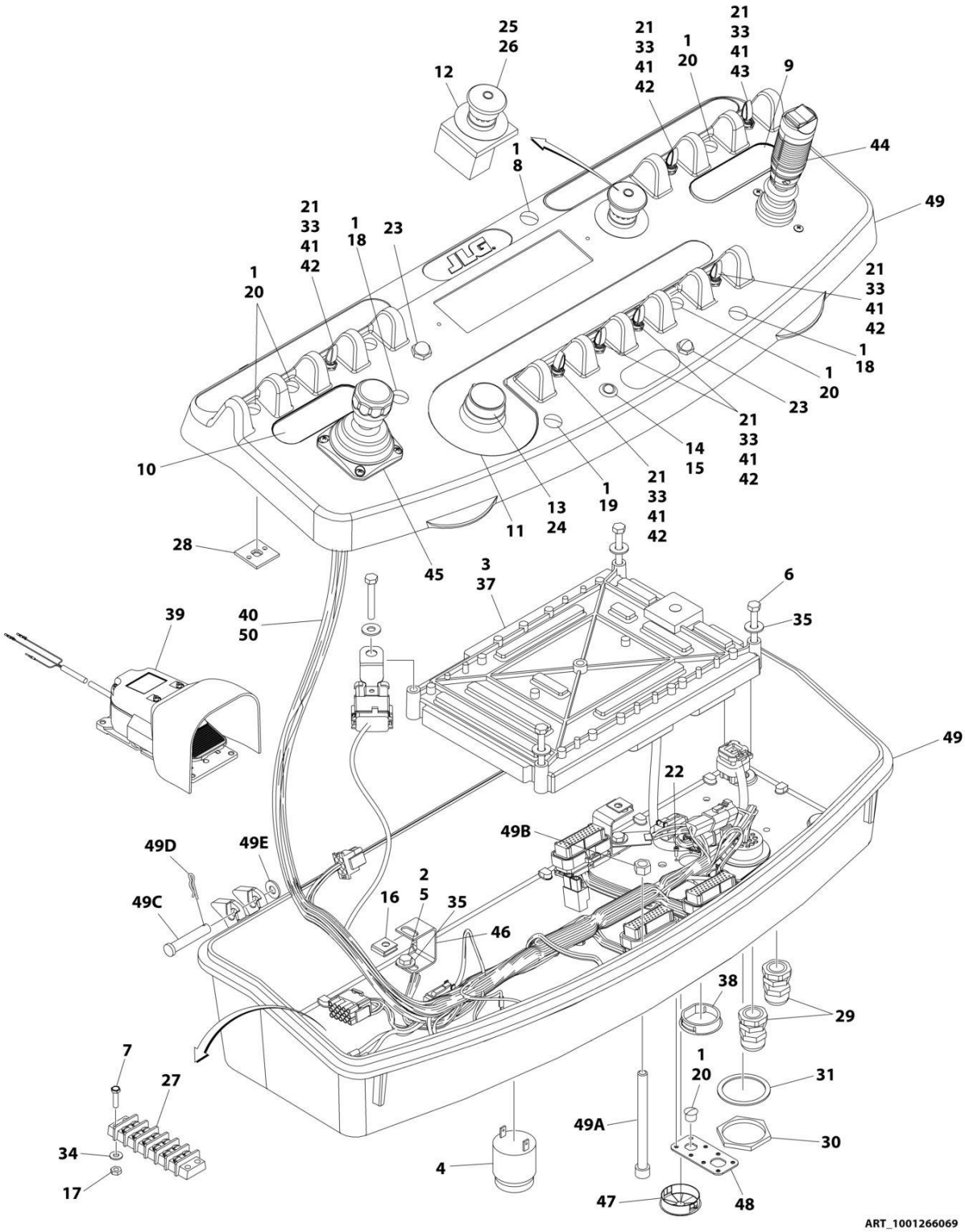


FIGURE 5-19. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266069	Ref	CONSOLE BOX ASSEMBLY	A
1	0100009	AR	Sealant	
2	0100035	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4 x 1/2	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	0721006	1	Bolt #10 x 3/4	
8	1671314	1	Cover	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1702567	1	Decal - Function Speed	
12	1704260	1	Decal - Emergency Stop	
13	2560136	1	Handle, Knob	
14	2920028	1	Light, Indicator	
15	2920029	1	Bulb, Light	
16	3300353	4	Nut, Tinnerman	
17	3311005	2	Nut #10	
18	3520026	2	Plug	
19	3520027	1	Plug	
20	3520054	5	Plug	
21	3790012	7	O-Ring	
22	3900349	8	Capscrew M2.5 x 8	
23	4360387	2	Switch, Push Button	
24	4360407	1	Controller, Speed	
24	4460224	1	Receptacle, Female - 6 Position	
24	4460226	6	Socket, Female	
24	See Note	1	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
24	70003784	1	Seal	
25	4360475	1	Switch, Emergency Stop	
25	7020175	1	Cap, Red	
25	7020176	1	Block, Contact	
26	4360476	1	Contact, Switch	
27	4460007	1	Bussbar	
28	4460234	3	Mount, Tie-Strap	
29	4460428	2	Connector, Strain Relief	
30	4460470	1	Nut, Terminal	
31	4460471	1	Washer, Terminal	
32	4460708	2	Connector - 15 Position (Not Shown)	
33	4740397	7	Washer	
34	4751000	2	Washer #10	
35	4751400	8	Washer 1/4	
36	4922666	1	Analyzer Harness (Not Shown)	
36	4460761	1	Receptacle, Female - 4 Position	
36	4460227	4	Pin, Male	
37	1001106938	1	Module, Platform (Note: Re-calibration Required when Replaced)	
38	1001110434	1	Plug	
39	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	1001139135	1	Boom Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
41	1001155044	7	Nut 15/32	
42	1001155045	6	Switch, Toggle	
43	1001159256	1	Switch, Toggle	
44	1001166538	NLA	Controller Assembly (Drive and Steer) (Use p/n 1001212415) (See Separate Breakdown in this Section)	
45	1001166539	NLA	Controller Assembly (Lift and Swing) (Use p/n 1001129555) (See Separate Breakdown in this Section)	
46	1001172760	4	Bracket	
47	1001185281	1	Plug	
48	1001213882	1	Mount	
49	1001263587	1	Console Box Assembly	
49A	0630568	1	Capscrew 3/8 x 4-1/2	
49B	3311601	1	Nut 3/8	
49C	3430616	2	Pin	
49D	3470003	2	Hairpin	
49E	4711600	2	Washer 3/8	
50	1001266648	1	Platform Console Harness (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 5-20. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH (TOWER STOW)

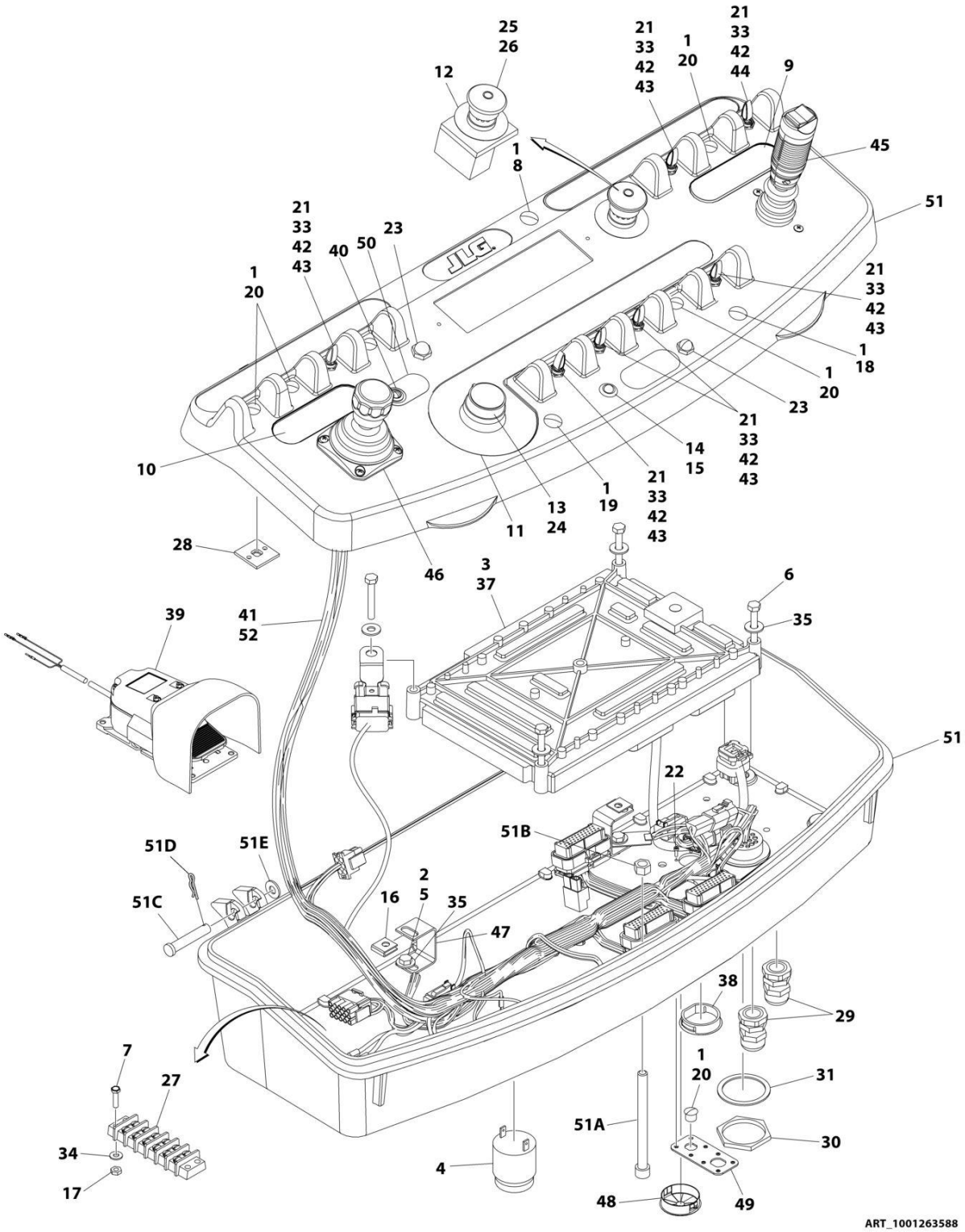


FIGURE 5-20. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH (TOWER STOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263588	Ref	CONSOLE BOX ASSEMBLY	A
1	0100009	AR	Sealant	
2	0100035	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4 x 1/2	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	0721006	1	Bolt #10 x 3/4	
8	1671314	1	Cover	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1702567	1	Decal - Function Speed	
12	1704260	1	Decal - Emergency Stop	
13	2560136	1	Handle, Knob	
14	2920028	1	Light, Indicator	
15	2920029	1	Bulb, Light	
16	3300353	4	Nut, Tinnerman	
17	3311005	2	Nut #10	
18	3520026	2	Plug	
19	3520027	1	Plug	
20	3520054	5	Plug	
21	3790012	7	O-Ring	
22	3900349	8	Capscrew M2.5 x 8	
23	4360387	2	Switch, Push Button	
24	4360407	1	Controller, Speed	
24	4460224	1	Receptacle, Female - 6 Position	
24	4460226	6	Socket, Female	
24	See Note	1	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
24	70003784	1	Seal	
25	4360475	1	Switch, Emergency Stop	
25	7020175	1	Cap, Red	
25	7020176	1	Block, Contact	
26	4360476	1	Contact, Switch	
27	4460007	1	Bussbar	
28	4460234	3	Mount, Tie-Strap	
29	4460428	2	Connector, Strain Relief	
30	4460470	1	Nut, Terminal	
31	4460471	1	Washer, Terminal	
32	4460708	2	Connector - 15 Position (Not Shown)	
33	4740397	7	Washer	
34	4751000	2	Washer #10	
35	4751400	8	Washer 1/4	
36	4922666	1	Analyzer Harness (Not Shown)	
36	4460761	1	Receptacle, Female - 4 Position	
36	4460227	4	Pin, Male	
37	1001106938	1	Module, Platform (Note: Re-calibration Required when Replaced)	
38	1001110434	1	Plug	
39	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	
40	1001137364	1	Light, Indicator	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	1001139135	1	Boom Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
42	1001155044	7	Nut 15/32	
43	1001155045	6	Switch, Toggle	
44	1001159256	1	Switch, Toggle	
45	1001166538	NLA	Controller Assembly (Drive and Steer) (Use p/n 1001212415) (See Separate Breakdown in this Section)	
46	1001166539	NLA	Controller Assembly (Lift and Swing) (Use p/n 1001129555) (See Separate Breakdown in this Section)	
47	1001172760	4	Bracket	
48	1001185281	1	Plug	
49	1001213882	1	Mount	
50	1001260937	1	Decal – Tower Stow	
51	1001263587	1	Console Box Assembly	
51A	0630568	1	Capscrew 3/8 x 4-1/2	
51B	3311601	1	Nut 3/8	
51C	3430616	2	Pin	
51D	3470003	2	Hairpin	
51E	4711600	2	Washer 3/8	
52	1001266648	1	Platform Console Harness (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 5-21. FOOTSWITCH ASSEMBLY

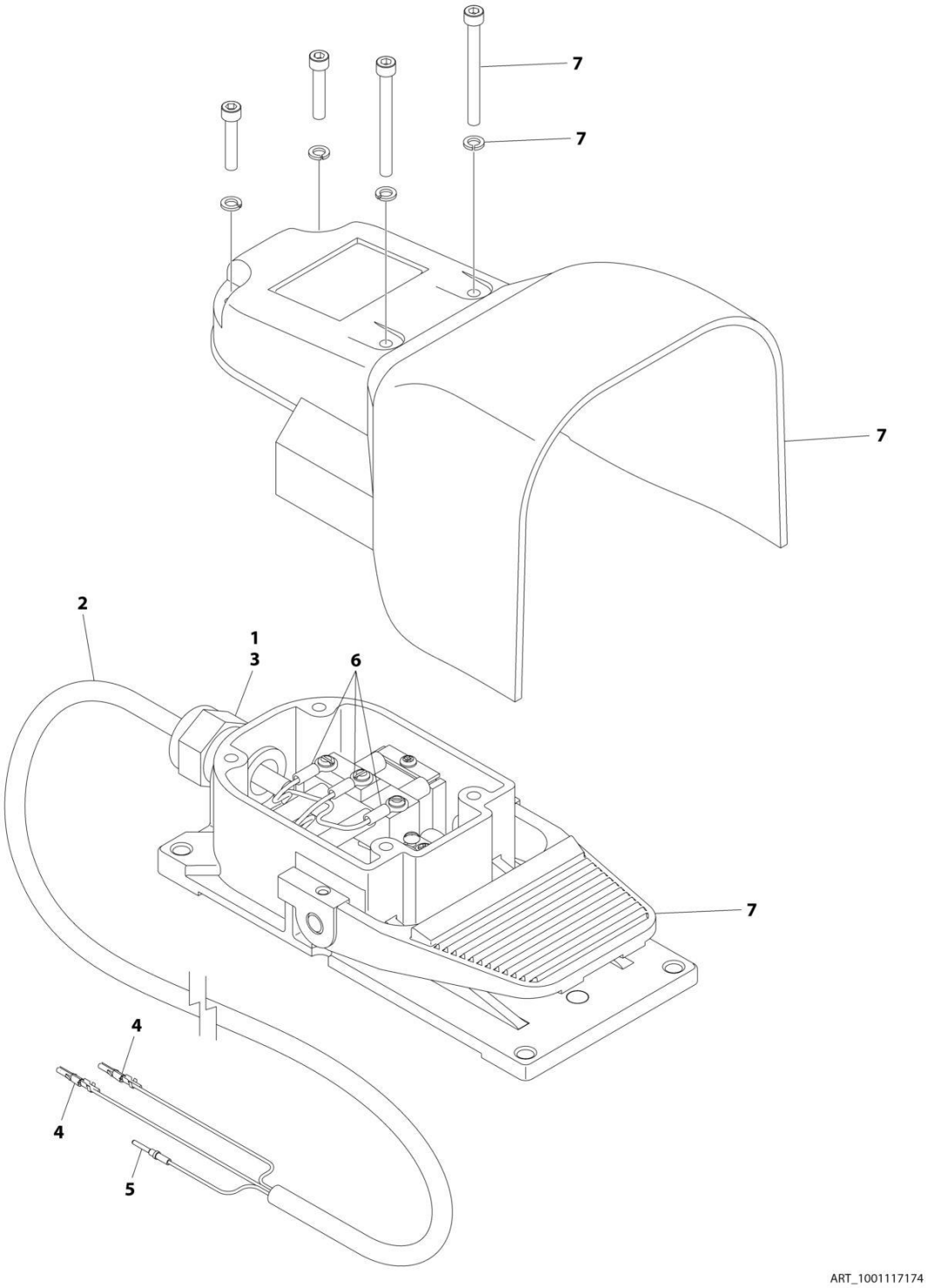


FIGURE 5-21. FOOTSWITCH ASSEMBLY

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

FIGURE 5-22. CONTROLLER ASSEMBLY- DRIVE/STEER

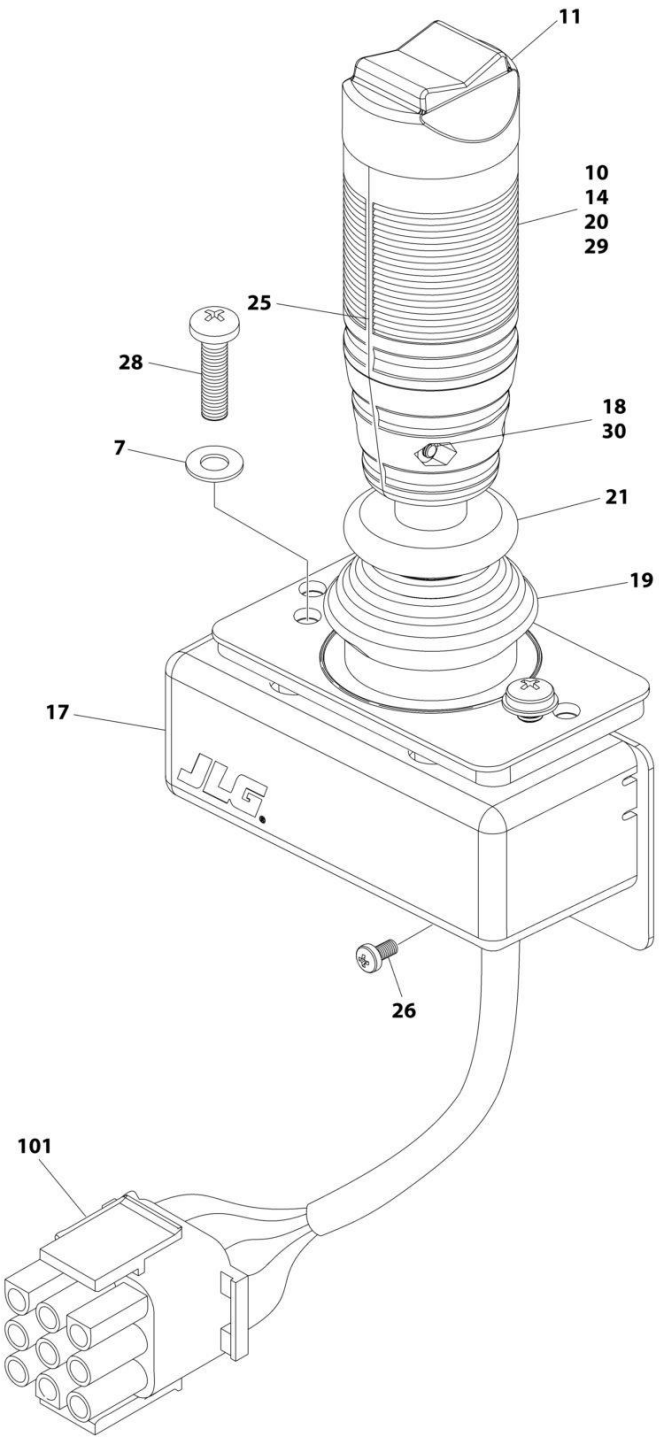


FIGURE 5-22. CONTROLLER ASSEMBLY- DRIVE/STEER

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

FIGURE 5-23. CONTROLLER ASSEMBLY - LIFT/SWING

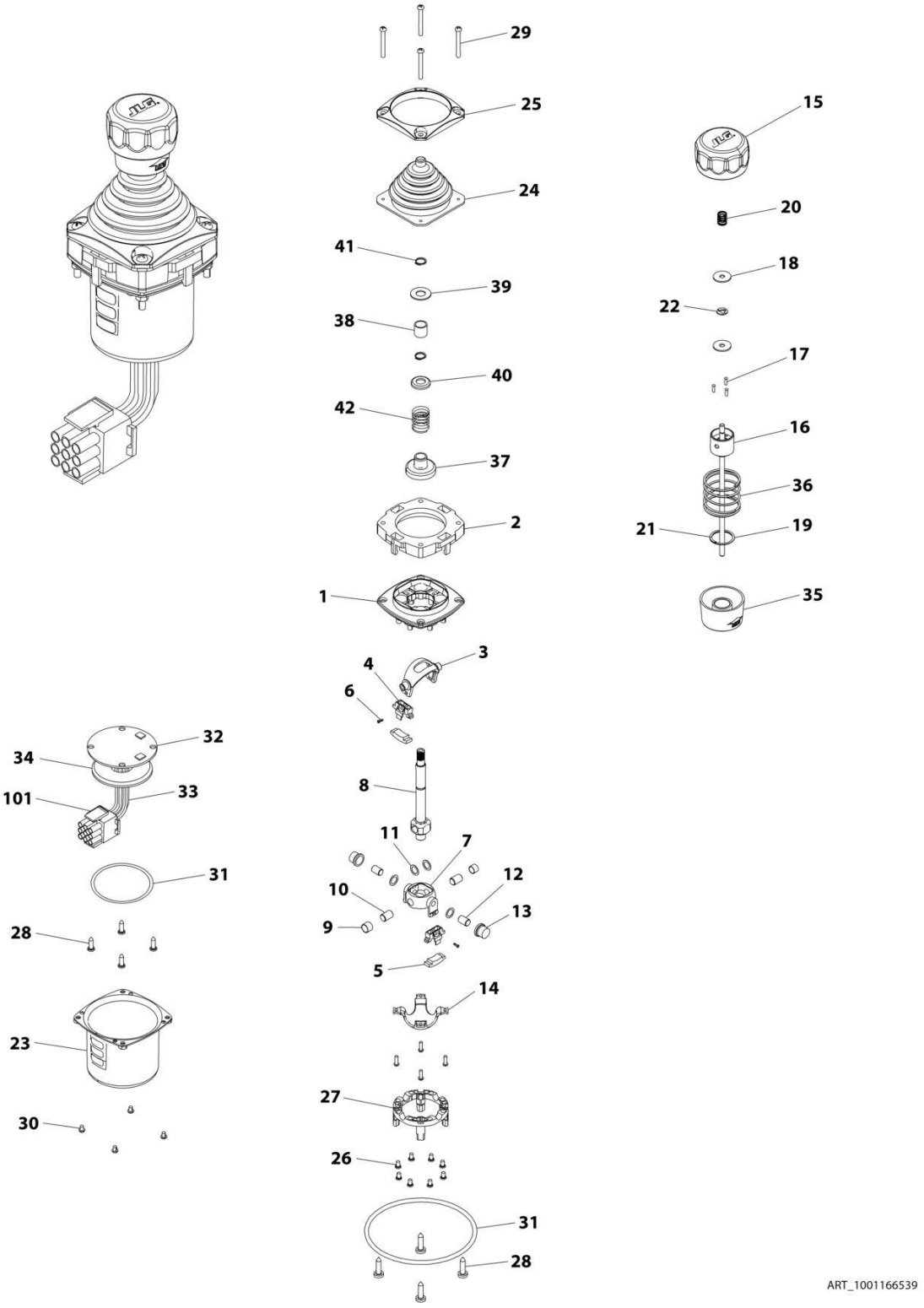


FIGURE 5-23. CONTROLLER ASSEMBLY - LIFT/SWING

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

SECTION 5 - PLATFORM

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

FIGURE 5-24. CRAB STEER SWITCH INSTALLATION - 4WS (WITHOUT TOW PACKAGE)

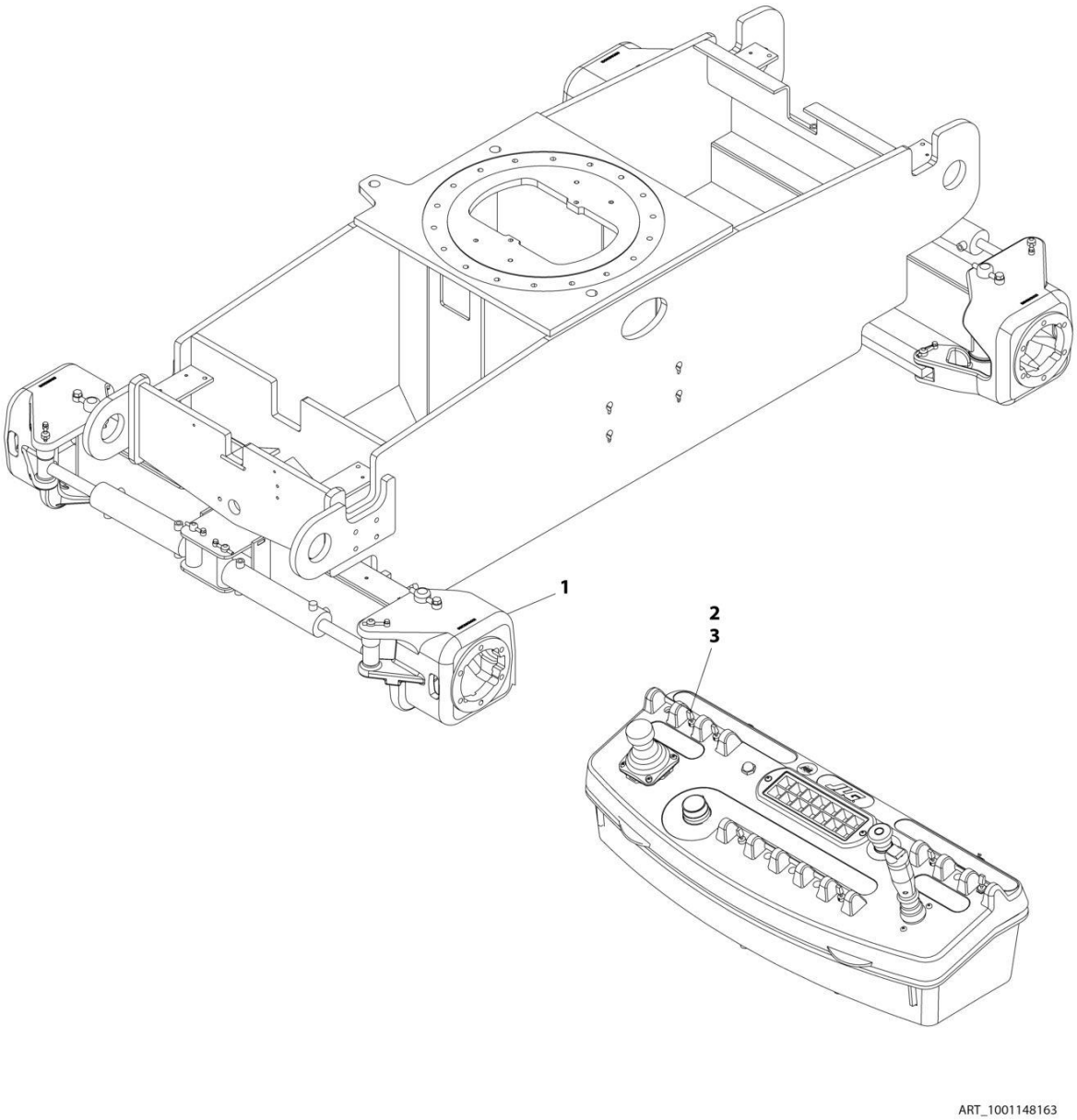


FIGURE 5-24. CRAB STEER SWITCH INSTALLATION - 4WS (WITHOUT TOW PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148163	Ref	CRAB STEER SWITCH INSTALLATION - 4WS	B
1	1001148162	Ref	Steering Installation (Crab Steer) (See Separate Breakdown in FRAME SECTION)	
2	4360331	1	Switch, Toggle	
3	3790012	1	O-Ring	

FIGURE 5-25. CRAB STEER SWITCH INSTALLATION - 4WS (WITH TOW PACKAGE)

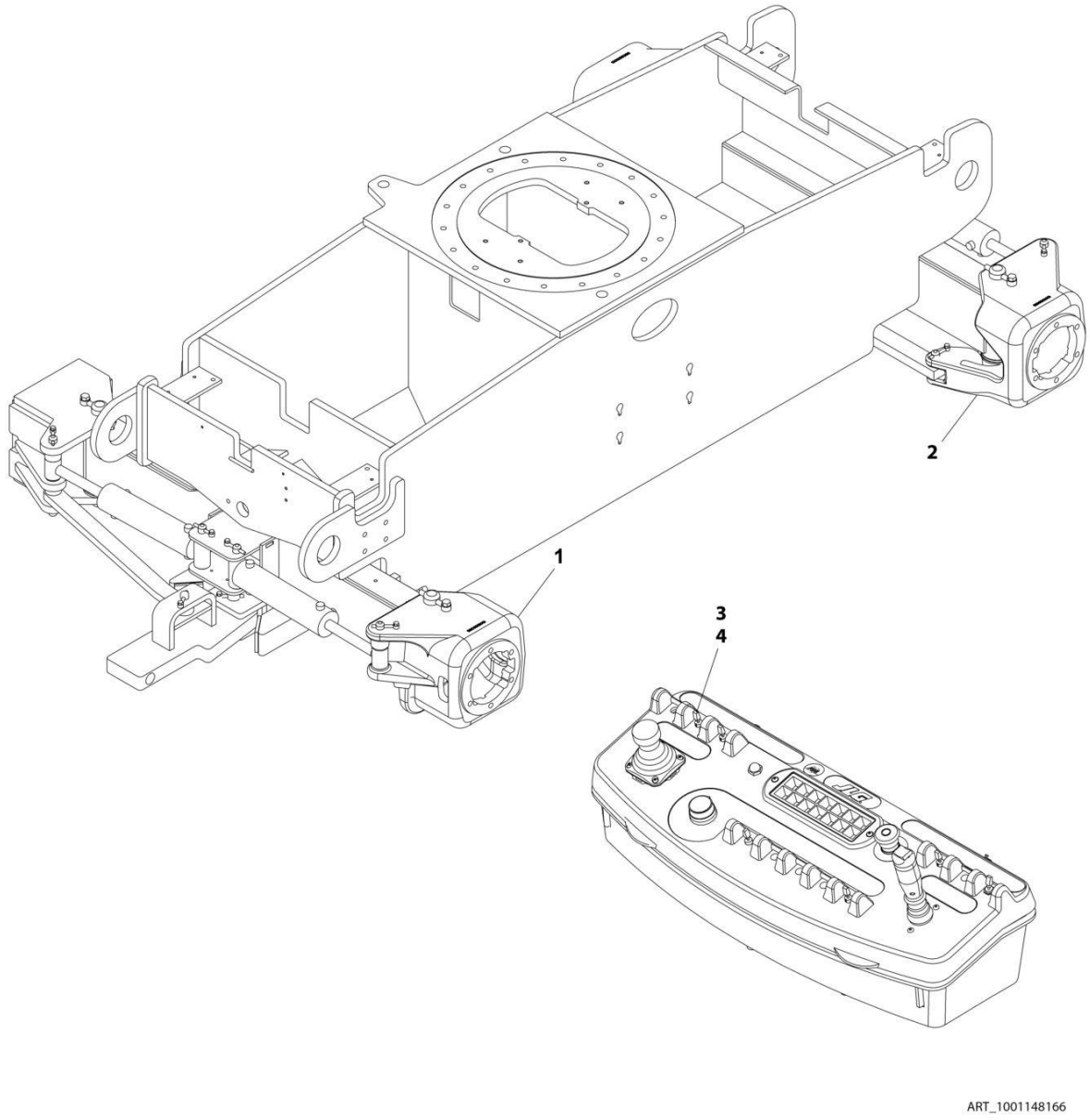


FIGURE 5-25. CRAB STEER SWITCH INSTALLATION - 4WS (WITH TOW PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148166	Ref	CRAB STEER SWITCH INSTALLATION - 4WS	B
1	1001148164	Ref	Steering Installation (Not Shown - See Separate Breakdown in FRAME SECTION)	
2	1001148162	Ref	Steering Installation (Crab Steer) (Not Shown - See Separate Breakdown in FRAME SECTION)	
3	4360331	1	Switch, Toggle	
4	3790012	1	O-Ring	

FIGURE 5-26. LIGHT PANEL INSTALLATION

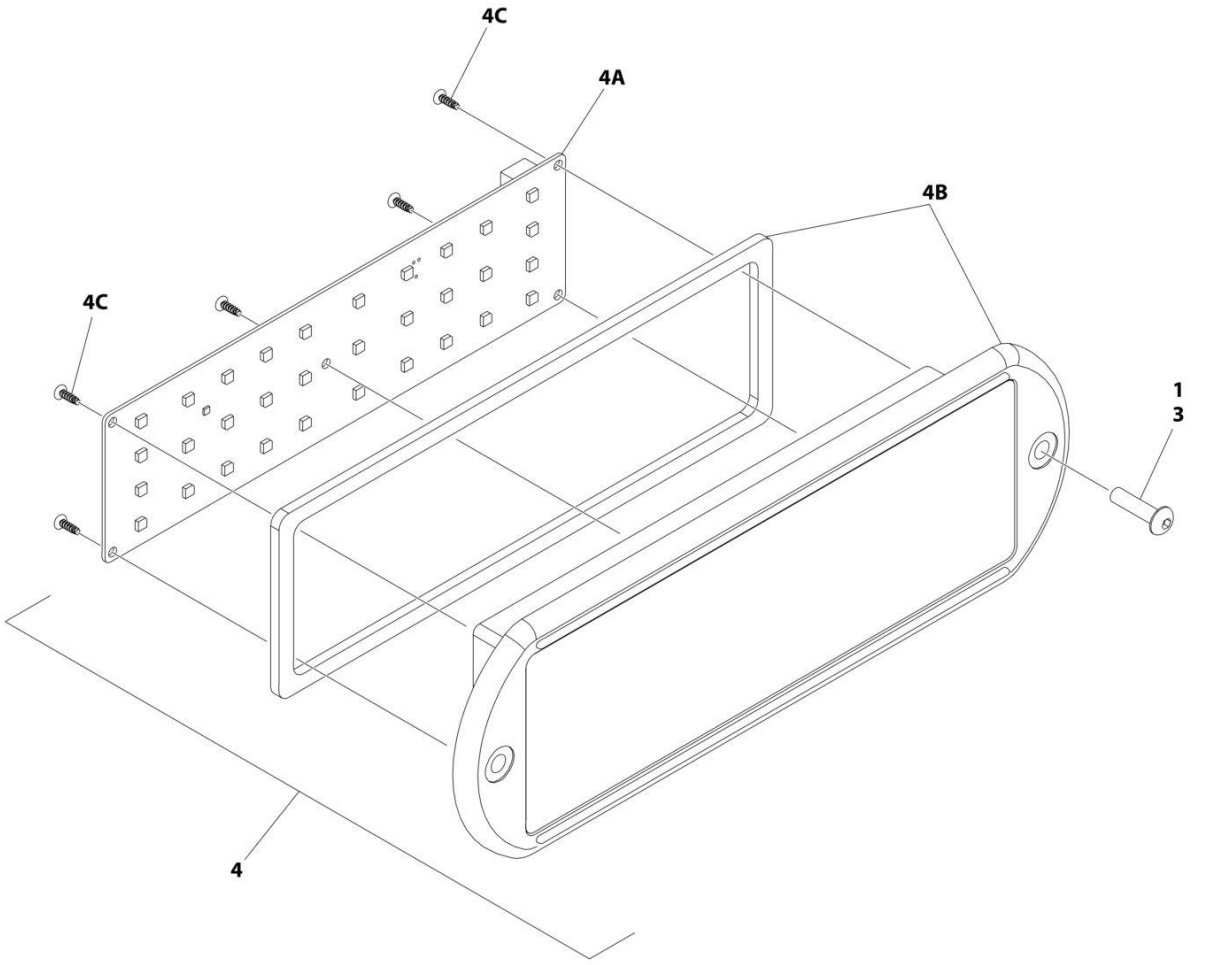


FIGURE 5-26. LIGHT PANEL INSTALLATION

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	

FIGURE 5-27. STEER SWITCH INSTALLATION – 4WS

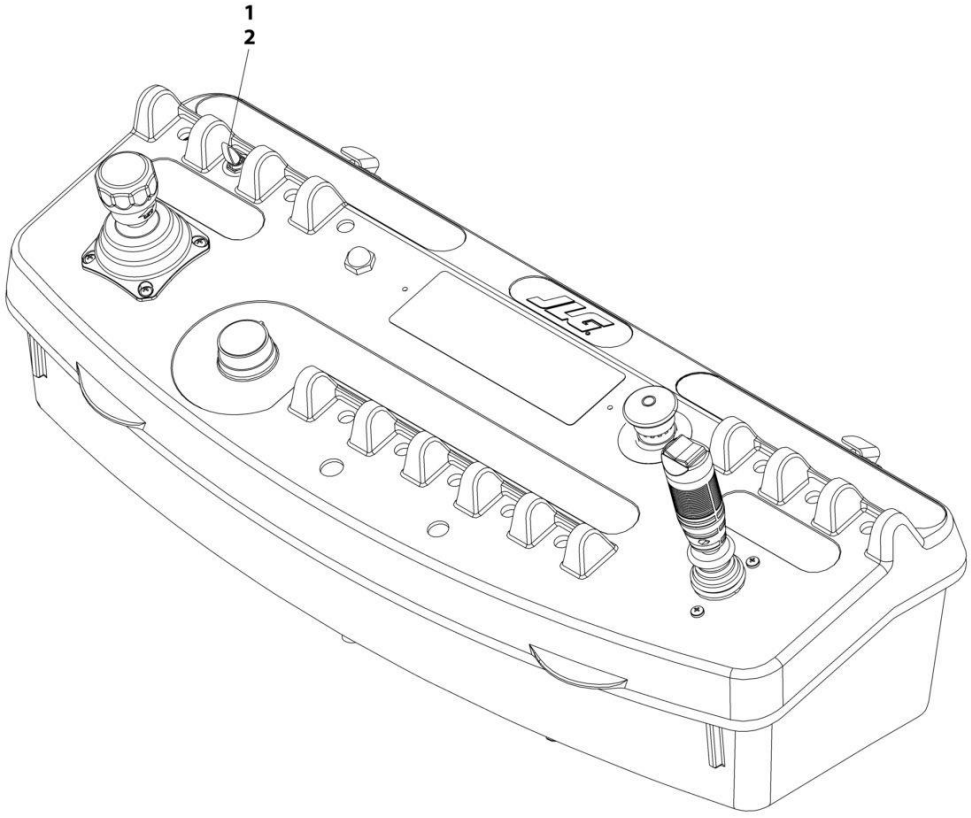


FIGURE 5-27. STEER SWITCH INSTALLATION – 4WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0258945	Ref	STEER SWITCH INSTALLATION - 4WS	A
1	4360331	1	Switch, Toggle	
2	3790012	1	O-Ring	

FIGURE 5-28. SKYEYE INSTALLATION

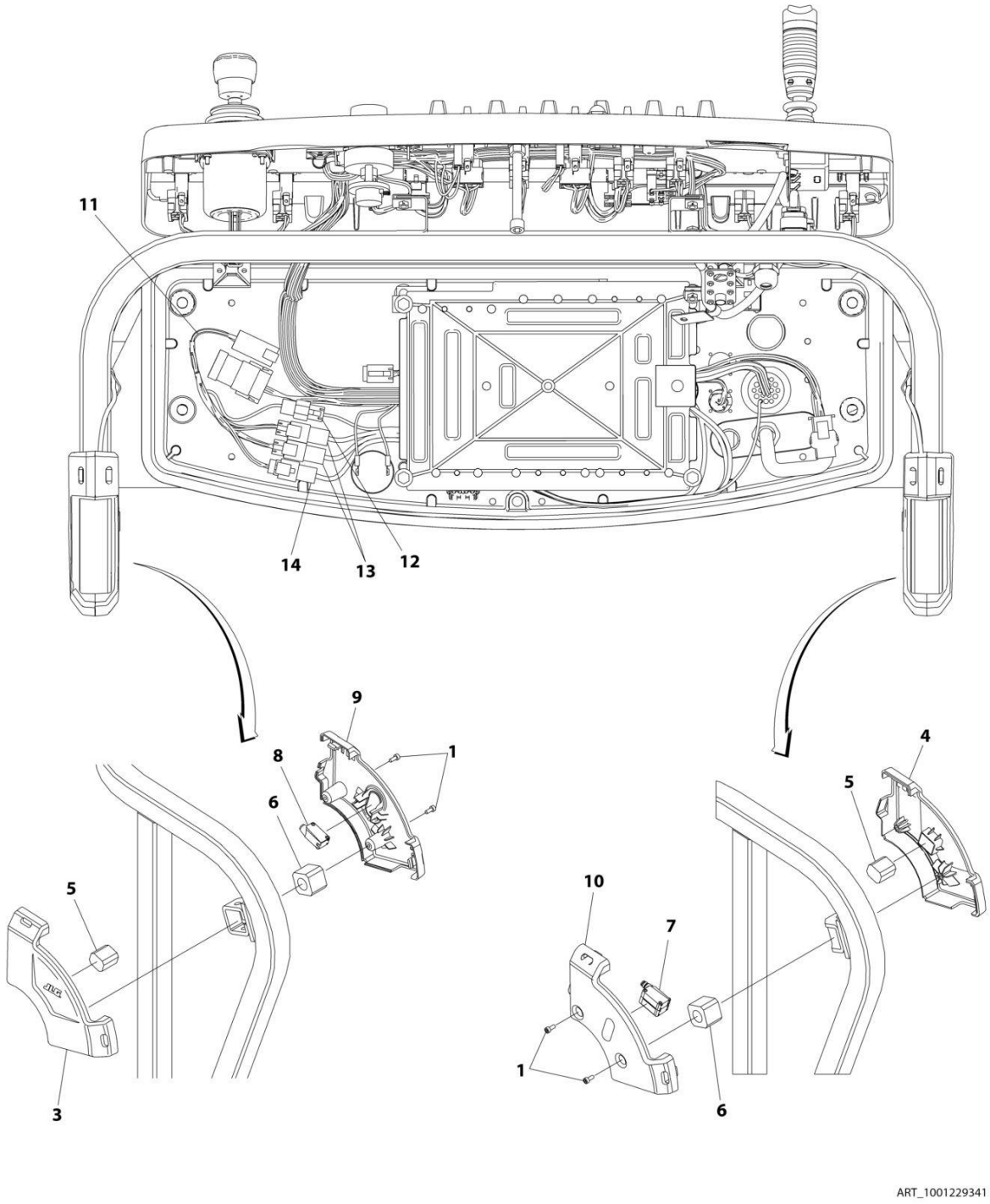


FIGURE 5-28. SKYEYE INSTALLATION

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 5-29. SKYGUARD BAR INSTALLATION

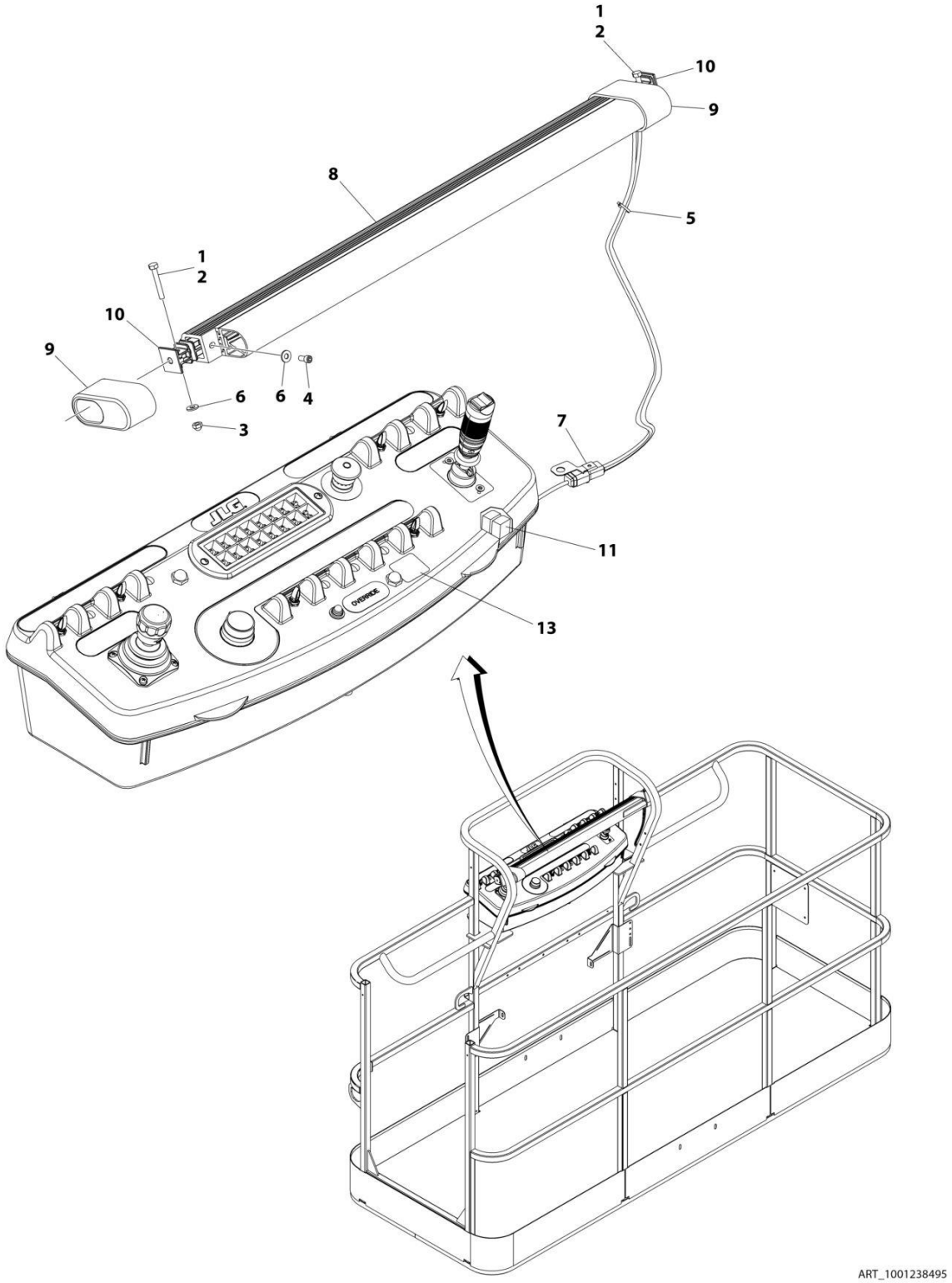


FIGURE 5-29. SKYGUARD BAR INSTALLATION

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

FIGURE 5-30. SKYLINE INSTALLATION (Prior to SN 0300279212)

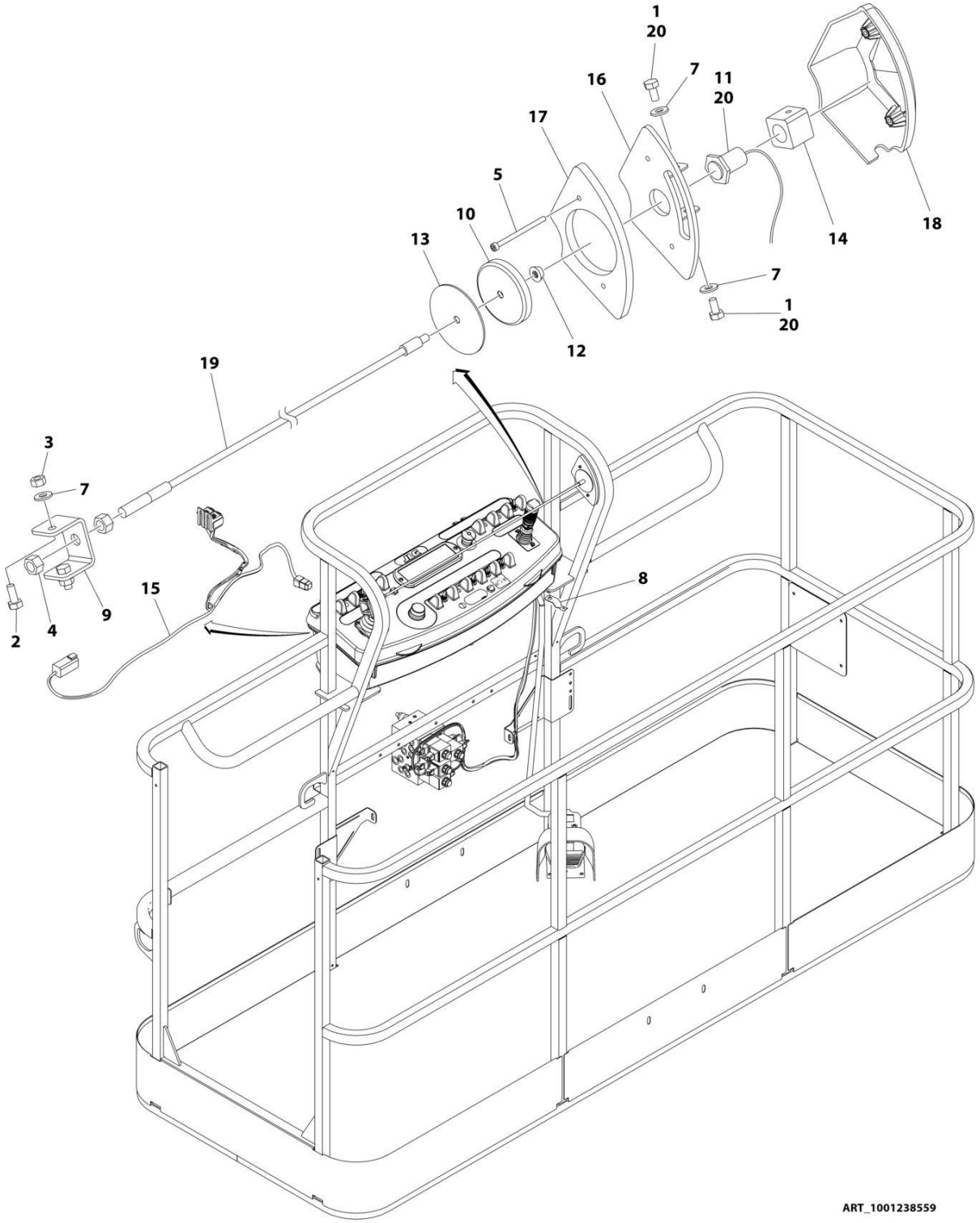


FIGURE 5-30. SKYLINE INSTALLATION (Prior to SN 0300279212)

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

FIGURE 5-31. SKYLINE INSTALLATION (SN 0300279212 to Present)

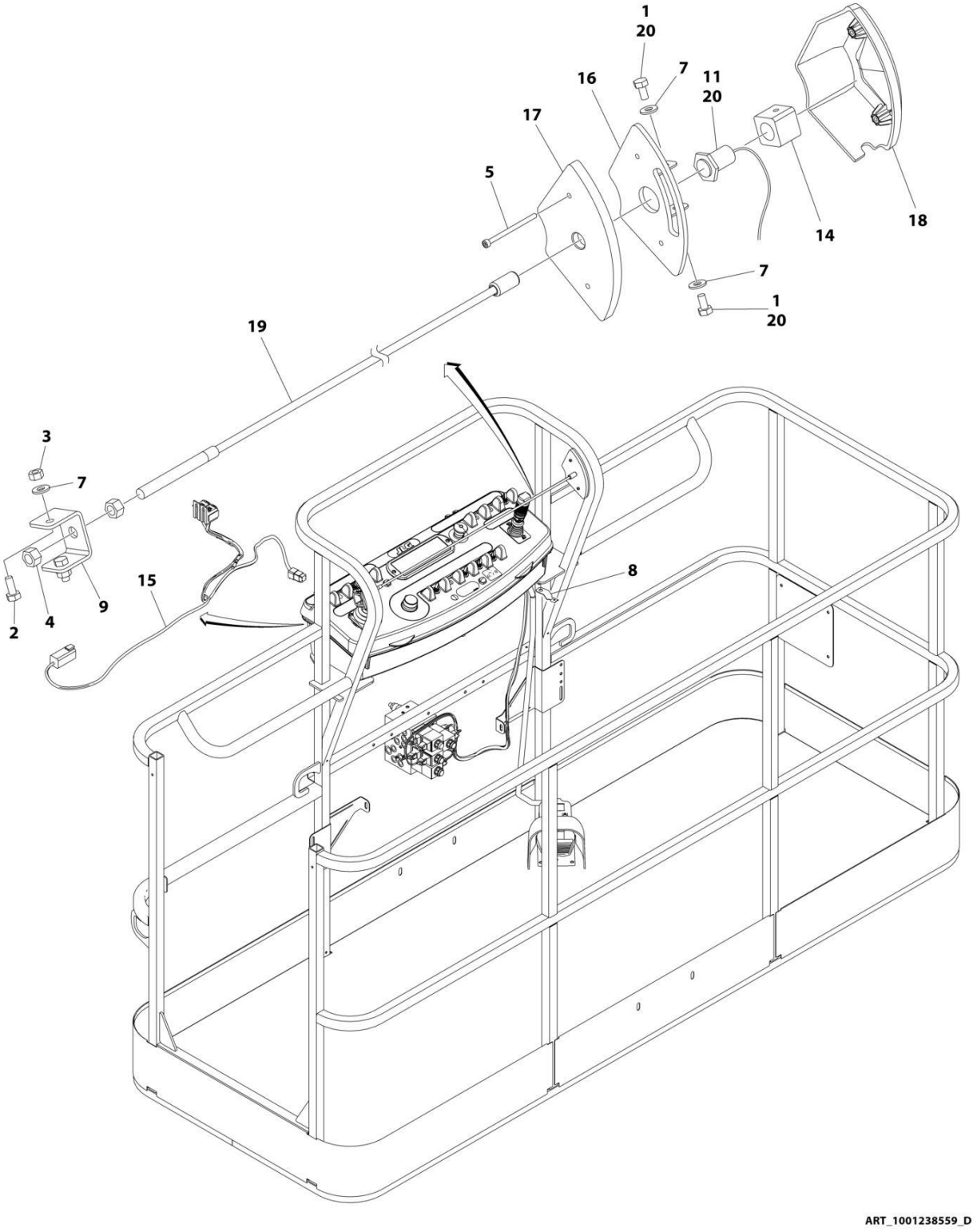


FIGURE 5-31. SKYLINE INSTALLATION (SN 0300279212 to Present)

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 5-32. SKYGLAZIER INSTALLATION (ALL SPECS EXCEPT CHINA, JAPANESE, CE & UK CA SPECS) (OPTIONAL)

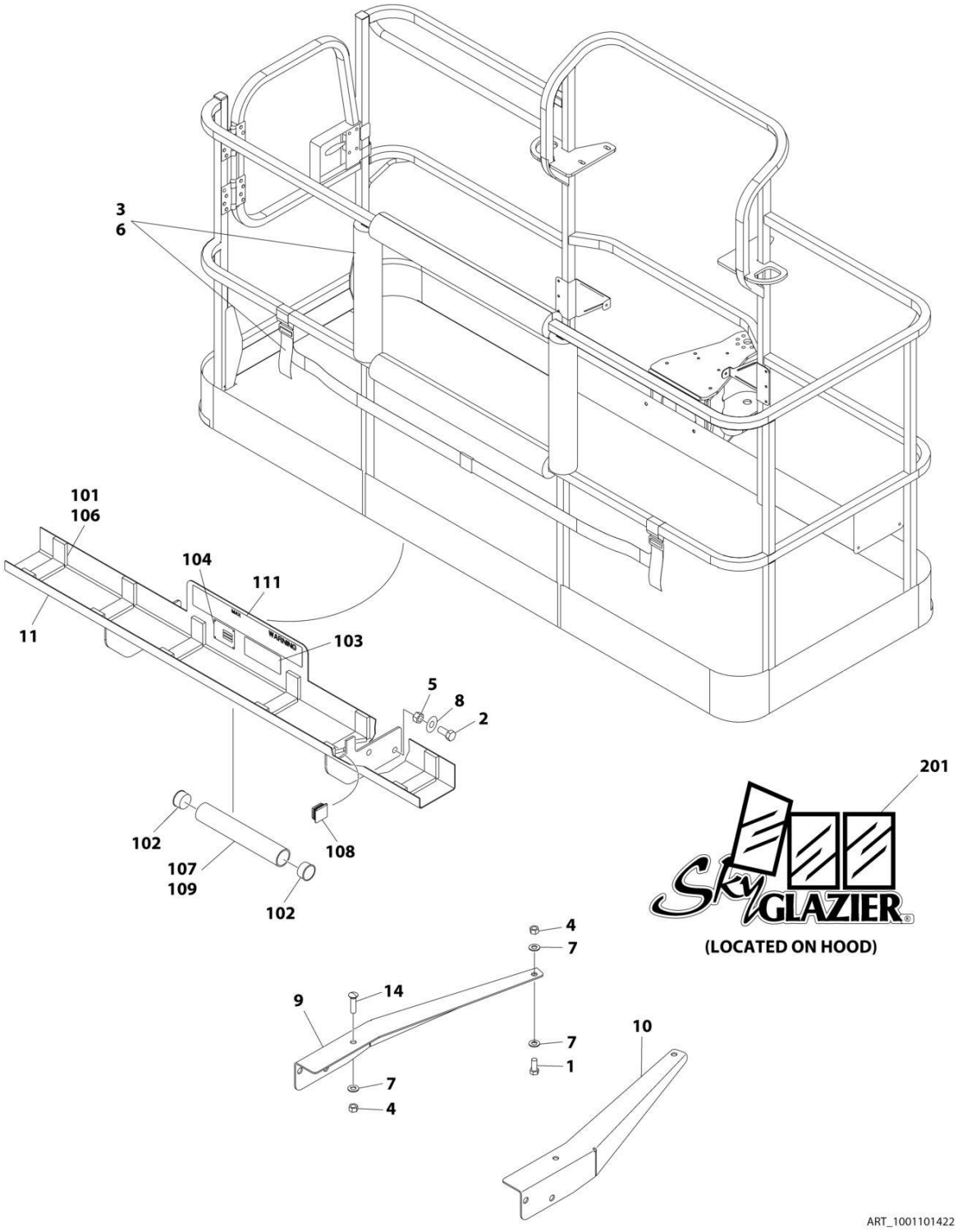


FIGURE 5-32. SKYGLAZIER INSTALLATION (ALL SPECS EXCEPT CHINA, JAPANESE, CE & UK CA SPECS) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001101422	Ref	SKYGLAZIER INSTALLATION	C
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	2902212	1	Bumpers and Strap Kit	
3	0940102	1	Bumper Only	
3	4240149	1	Strap Only	
4	3312005	4	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	
11	1001101421	1	Tray Assembly (See Items 101-111 for Breakdown)	
14	8310129	2	Bolt 3/4 x 2-1/2	
	1001101421	Ref	TRAY ASSEMBLY	F
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	1701509	1	Decal - Manual	
104	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
106	3340956	1	Pad Kit	
107	3460334	1	Tube	
108	3520071	2	Plug	
109	4420066	AR	Tape, Double Sided	
111	1001163131	2	Decal - Glazier Capacity	
	0272418	Ref	SKYGLAZIER DECAL INSTALLATION	4
201	1705358	2	Decal - SkyGlazier	

FIGURE 5-33. SKYCUTTER INSTALLATION (OPTIONAL)

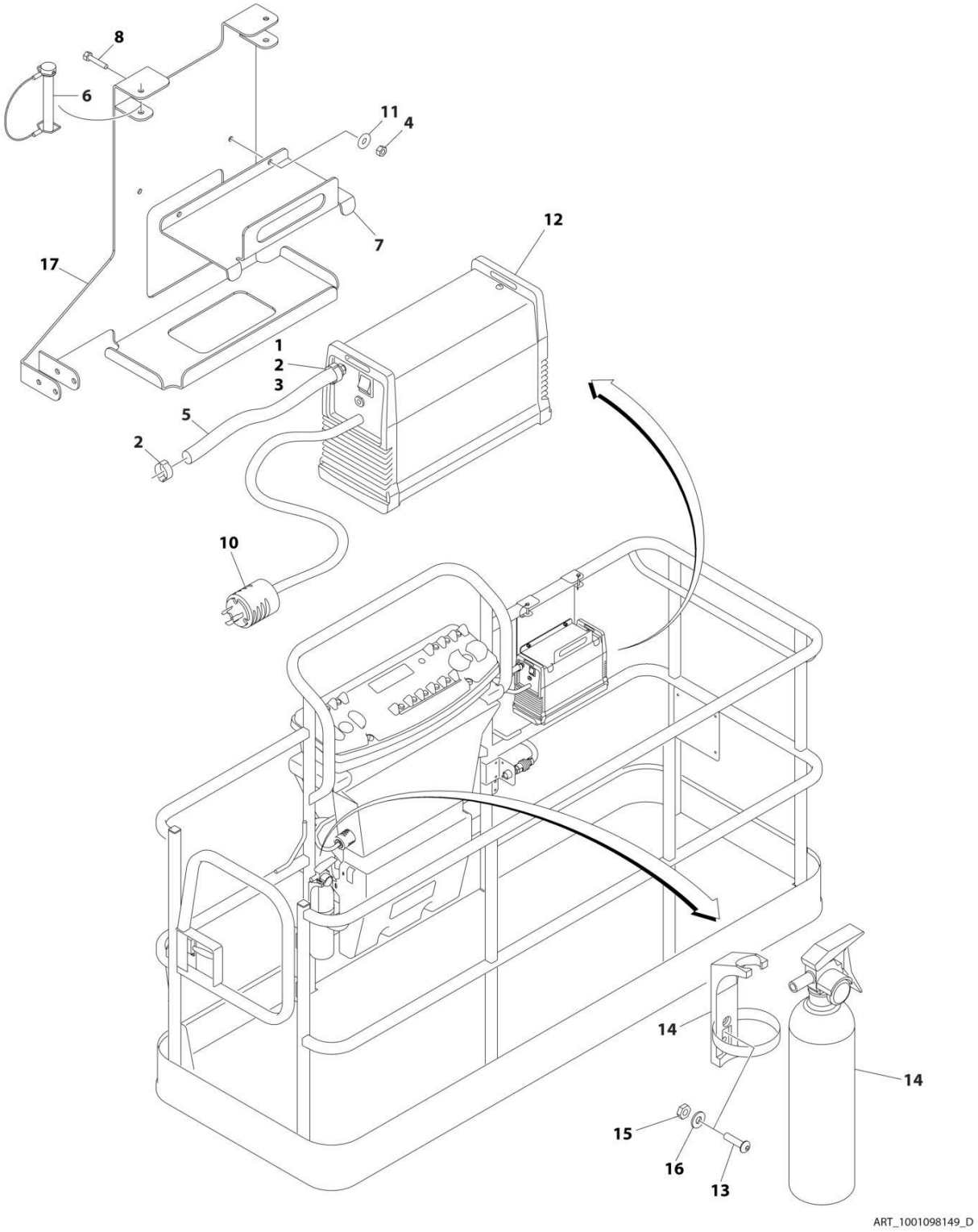


FIGURE 5-33. SKYCUTTER INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098149	Ref	SKYCUTTER INSTALLATION	D
		Ref	Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	
1	0100020	AR	Sealant	
2	1320177	2	Clamp, Hose	
3	2180832	1	Fitting, NPT/Barbed	
4	3290605	2	Nut M6	
5	2720160	3 ft /.9m	Hose	
6	3421453	3	Pin	
7	3576799	1	Plate, Hold-Down	
8	4010608	2	Screw M6 x 16	
10	4460971	1	Plug, Twistlock	
11	4811700	2	Washer M6	
12	1001098012	1	Plasma Cutter Assembly (See Separate Breakdown in this Section)	
13	0630518	2	Screw #10 x 3/4	
14	2030010	1	Extinguisher, Fire	
15	3311005	2	Nut #10	
16	4751000	2	Washer #10	
17	1001145405	1	Support	

FIGURE 5-34. PLASMA CUTTER ASSEMBLY

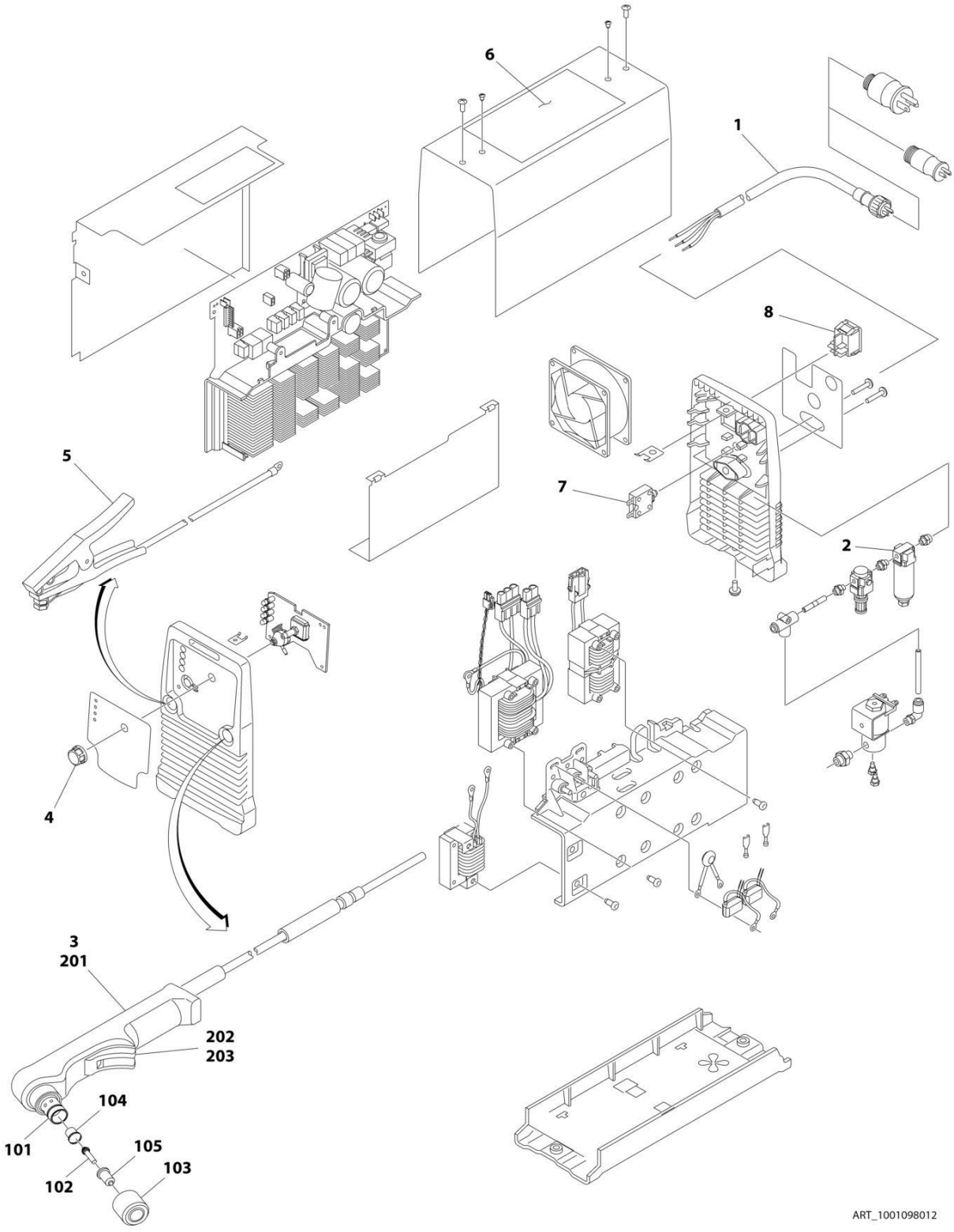
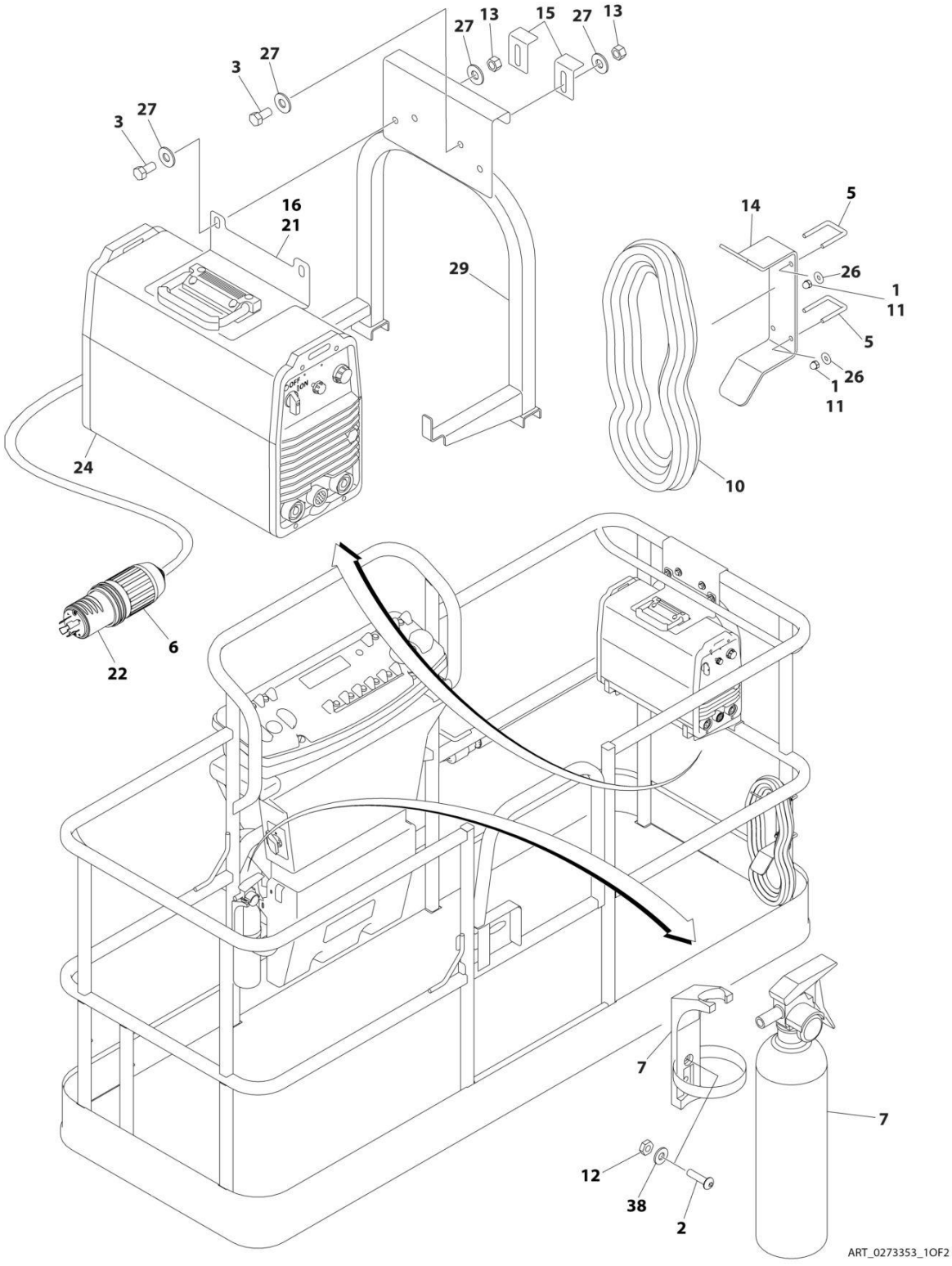


FIGURE 5-34. PLASMA CUTTER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098012	Ref	PLASMA CUTTER ASSEMBLY	A
		Ref	Note: For Other Components, contact your Miller Welder Dealer.	
1	70001424	1	Cable, Power	
1	70001425	1	Decal - Voltage Warning	
2	70001427	1	Filter, Regulator	
3	70001428	1	Torch Assembly (See Items 101-203 for Breakdown)	
4	7024471	1	Knob	
5	70001429	1	Clamp with Cable	
6	70001430	1	Decal - Caution	
7	70001431	1	Breaker, Circuit	
8	70001432	1	Switch, Rocker	
	70001428	Ref	TORCH ASSEMBLY	
101	7024530	1	O-Ring	
102	7024531	1	Electrode	
103	7024532	1	Cup, Retaining	
104	7024533	1	Swirl Ring	
105	7024534	1	Tip	
201	7024535	1	Handle, Torch	
202	7024536	1	Switch	
203	7024537	1	Trigger	

FIGURE 5-35. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ) (OPTIONAL)



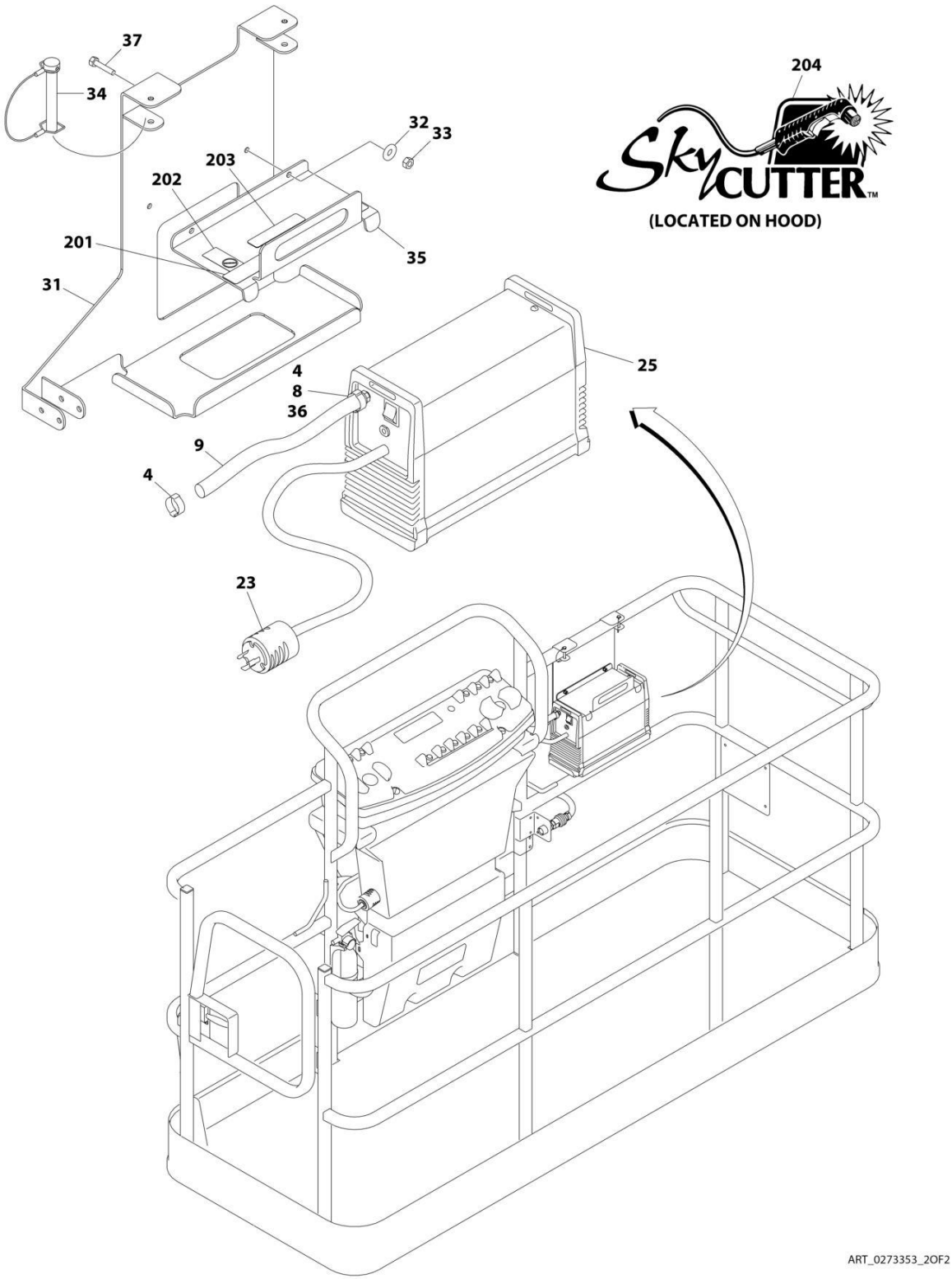

37
34
32
33
203
202
201
35
31
204
SkyCUTTER™
(LOCATED ON HOOD)
25
4
8
36
9
4
23
ART_0273353_2OF2

FIGURE 5-35. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273353	Ref	SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)	G
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320177	2	Clamp	
5	1320302	2	Clamp	
6	1671093	1	Cover, Plug	
7	2030010	1	Extinguisher, Fire	
8	2180832	1	Fitting, Barbed/NPT	
9	2720160	4.5 ft/ 1.4m	Hose	
10	2902217	1	Weld Leads Kit	
11	3300151	4	Nut 1/4	
12	3311005	2	Nut #10	
13	3311605	4	Nut 3/8	
14	3573400	1	Bracket	
15	3577121	2	Angle	
16	3573642	1	Plate	
20	4240099	AR	Tie-Strap (Not Shown)	
21	4420037	2.4 ft/ 0.7m	Tape	
22	4460962	1	Plug, Twist Lock	
23	4460971	1	Plug, Twist Lock	
24	4530028	1	Welder Assembly (See Separate Breakdown in this Section)	
25	1001098012	1	Plasma Cutter Assembly (See Separate Breakdown in this Section)	
26	4751400	4	Washer 1/4	
27	4751600	8	Washer 3/8	
29	4846627	1	Support	
31	1001145405	1	Bracket	
32	4811700	2	Washer M6	
33	3290605	2	Nut M6	
34	3421453	3	Pin	
35	3576799	1	Plate, Hold-Down	
36	0100020	1	Sealant	
37	4010608	2	Screw M6 x 16	
38	4751000	2	Washer #10	
	0272448	Ref	SKYWELDER DECAL INSTALLATION	B
101	1705355	2	Decal - SkyWelder	
102	1702868	1	Decal - No Hands	
103	1705305	1	Decal - Weld Leads	
104	1705375	1	Decal - 240V - 3 Phase - 60Hz	
105	1001228988	1	Decal - Weight	
	0272599	Ref	SKYCUTTER DECAL INSTALLATION	B
201	1702868	1	Decal - No Hands	
202	1705305	1	Decal - Weld Leads	
203	1001228988	1	Decal - Weight	
204	1705490	2	Decal - SkyCutter	

FIGURE 5-36. SKYWELDER INSTALLATION (50HZ) (OPTIONAL)

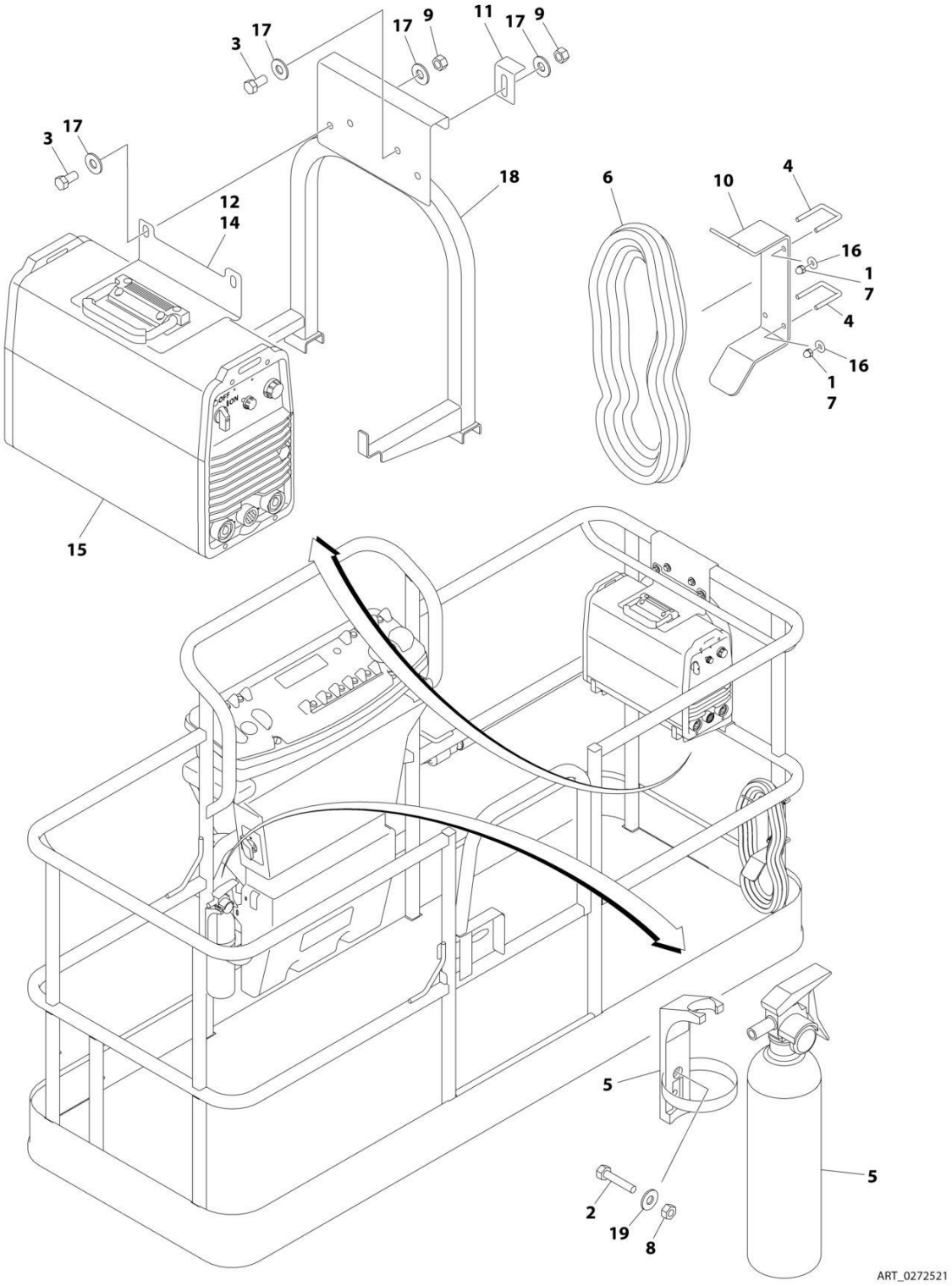


FIGURE 5-36. SKYWELDER INSTALLATION (50HZ) (OPTIONAL)

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

FIGURE 5-37. SKYWELDER INSTALLATION (60HZ) (OPTIONAL)

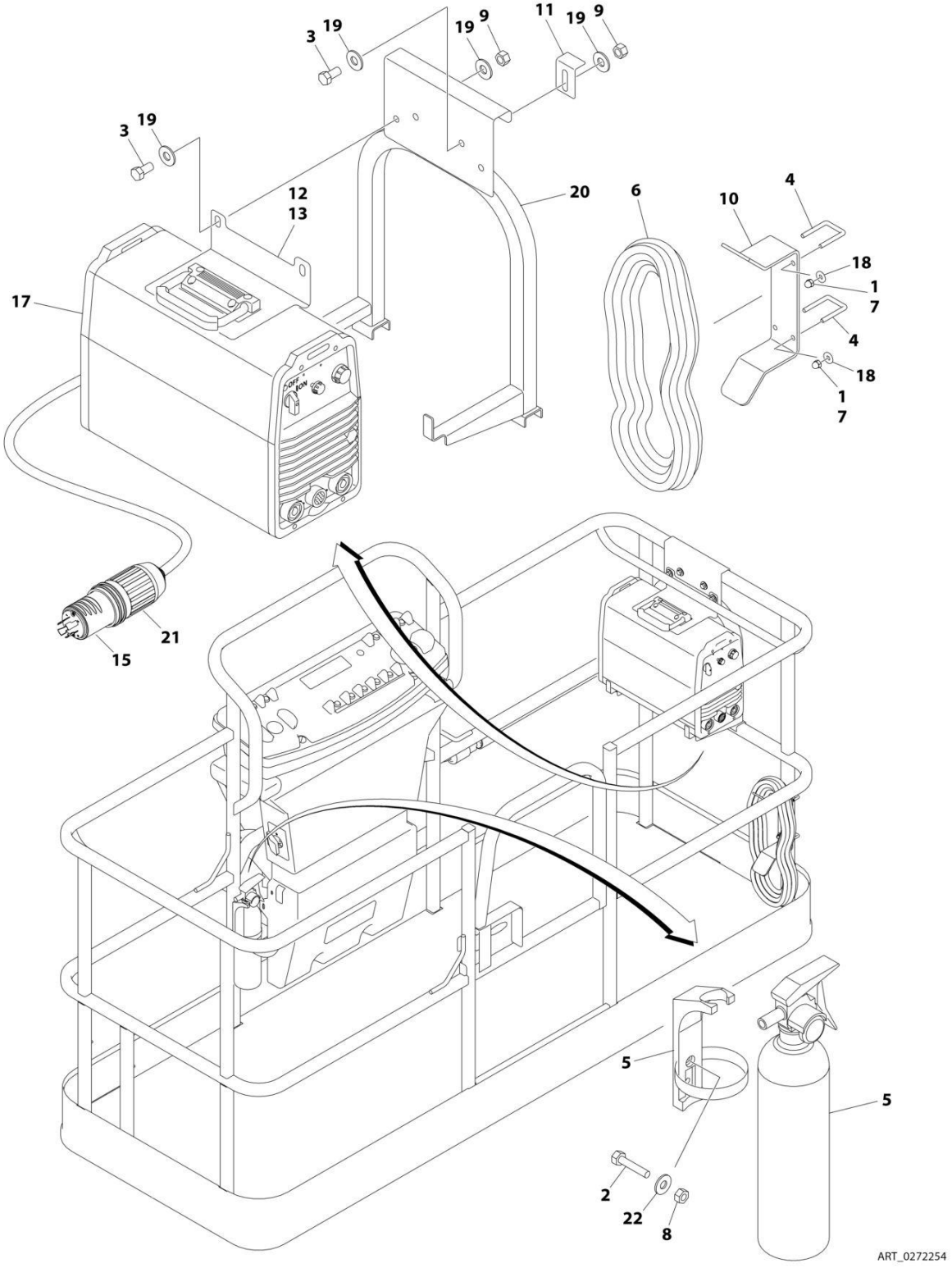


FIGURE 5-37. SKYWELDER INSTALLATION (60HZ) (OPTIONAL)

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 5-38. WELDER ASSEMBLY

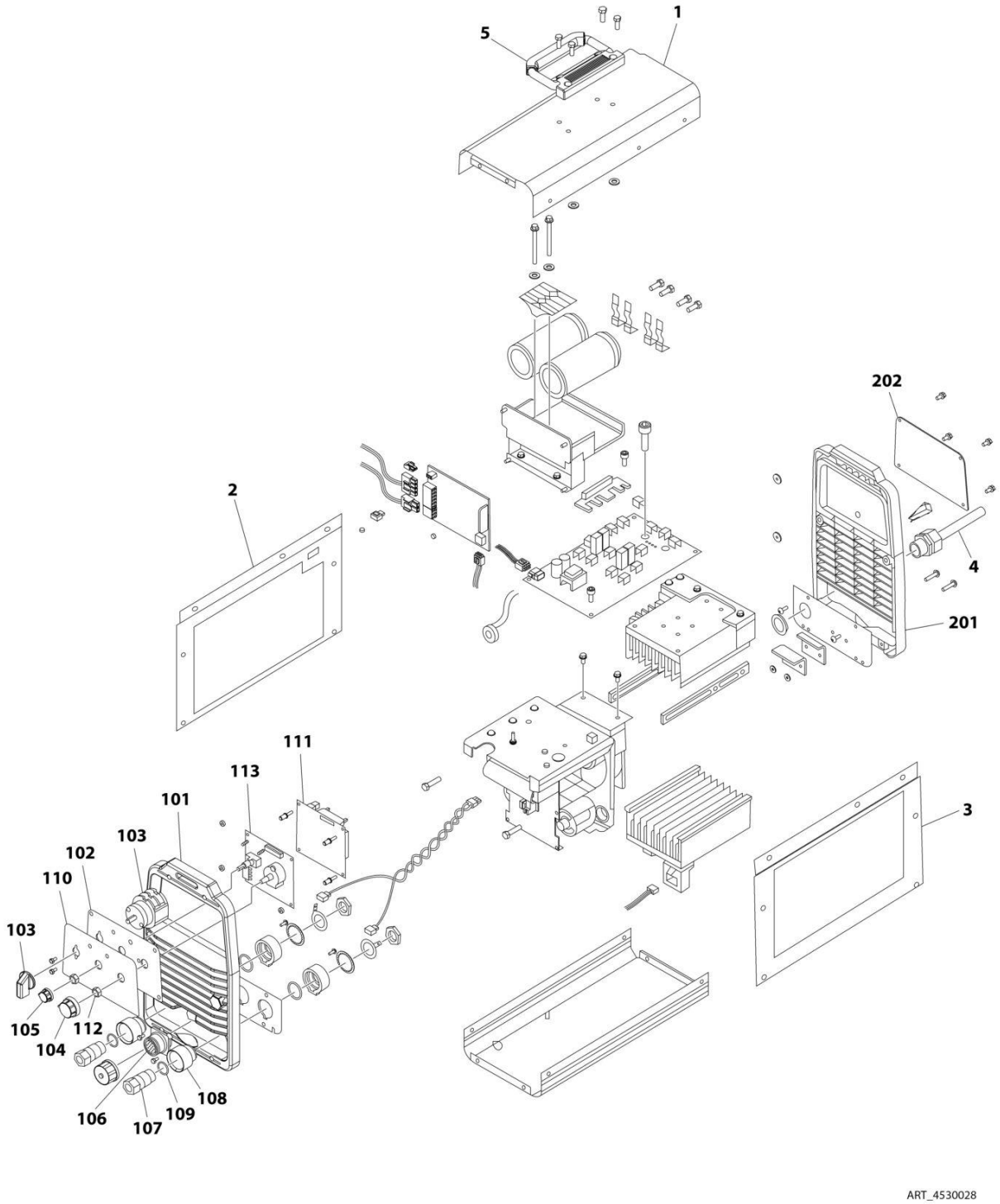


FIGURE 5-38. WELDER ASSEMBLY

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 5-39. SKYWELDER PREP PACKAGE (60HZ) (OPTIONAL)

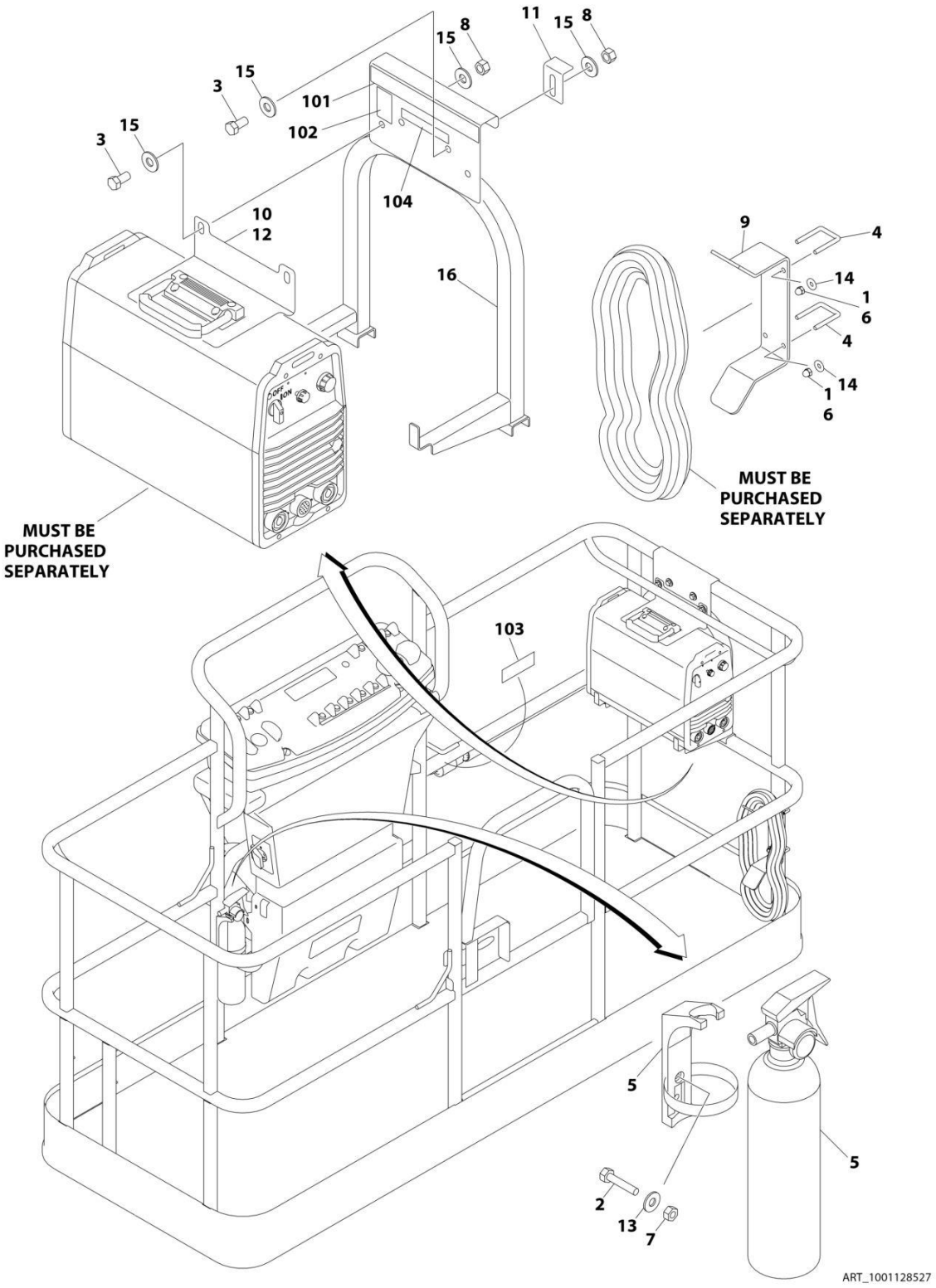


FIGURE 5-39. SKYWELDER PREP PACKAGE (60HZ) (OPTIONAL)

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

FIGURE 5-40. SKYWELDER LOCKING BRACKET INSTALLATION (OPTIONAL)

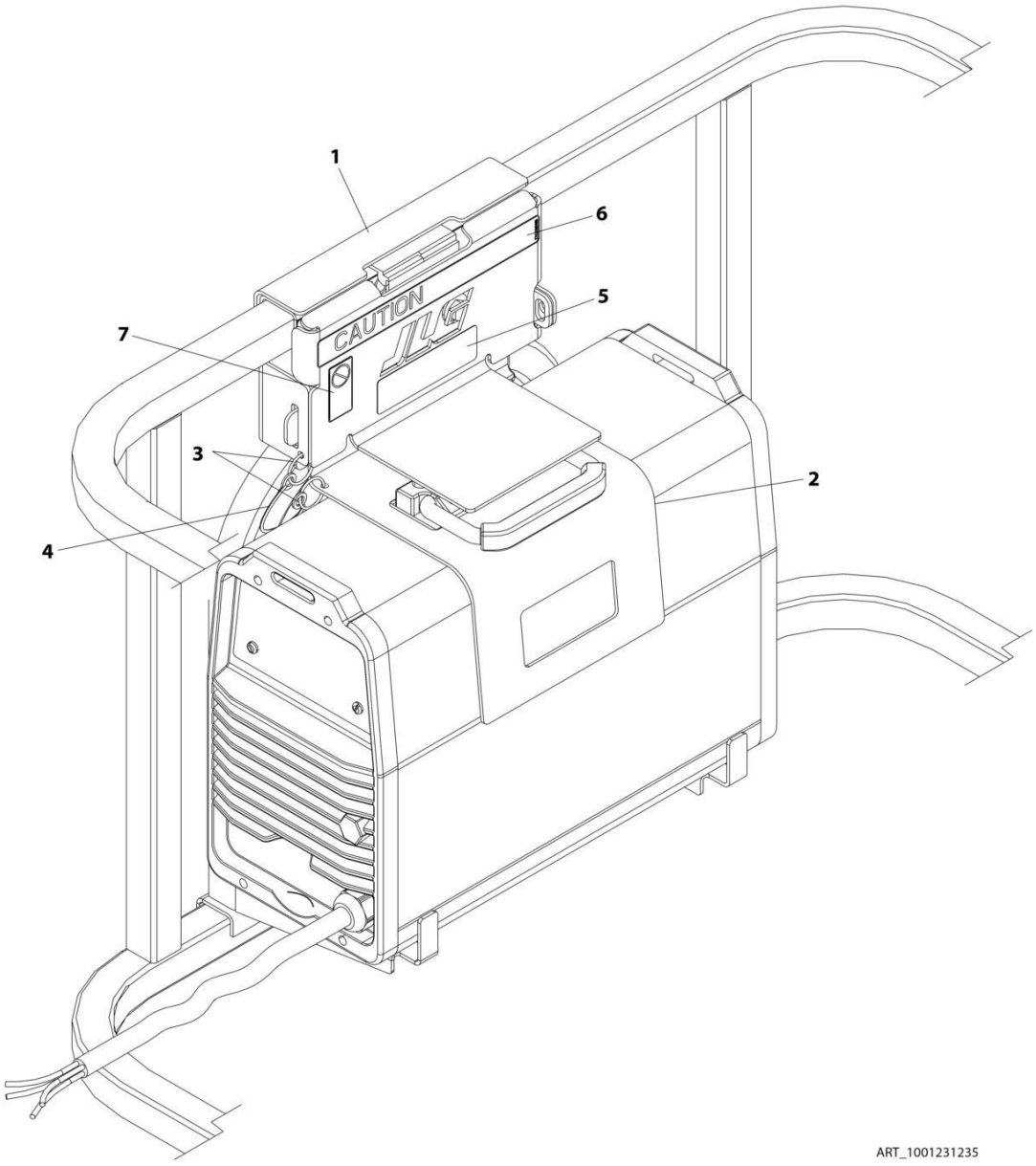


FIGURE 5-40. SKYWELDER LOCKING BRACKET INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231235	Ref	SKYWELDER LOCKING BRACKET INSTALLATION	A
1	1001231180	1	Bracket	
2	1001231183	1	Plate	
3	3760170	2	Ring	
4	1060379	1	Lanyard	
5	1001228988	1	Decal - Weight	
6	1702868	1	Decal - No Hands	
7	1705305	1	Decal - Weld Lead	

FIGURE 5-41. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.8M PLATFORMS (OPTIONAL)

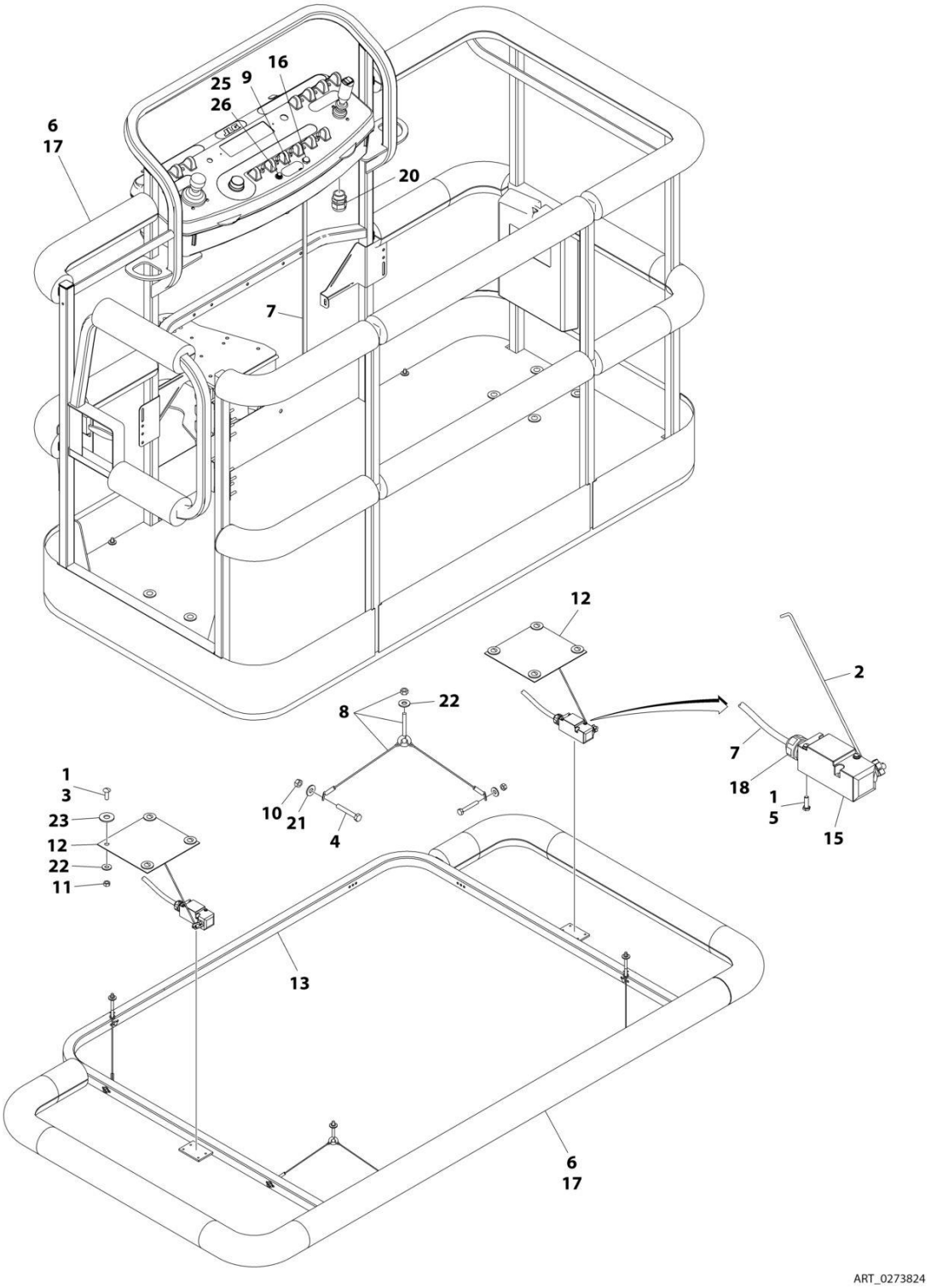


FIGURE 5-41. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.8M PLATFORMS (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273824	Ref	SOFT TOUCH SYSTEM INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0731005	4	Bolt #10 x 5/8	
6	0940134	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	AR	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3575359	2	Plate, Switch Strike	
13	3641569	1	Rail, Soft Touch	
14	4240099	7	Tie-Strap (Not Shown)	
15	4360057	2	Switch, Limit	
16	4360387	1	Switch, Push Button	
17	4420068	AR	Tape, Adhesive	
17	1001197017	AR	Tie-Strap	
18	4460049	2	Connector, Strain Relief	
19	4460234	7	Tie-Strap (Not Shown)	
20	4460425	1	Connector, Strain Relief	
21	4751400	8	Washer 1/4	
22	4751500	12	Washer 5/16	
23	4751800	8	Washer 1/2	
24	4933218	1	Wiring Diagram (Not Shown - Reference Only)	
25	2920028	1	Light, Indicator	
26	2920029	1	Bulb, Light	

FIGURE 5-42. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.8M FALL ARREST PLATFORMS (OPTIONAL)

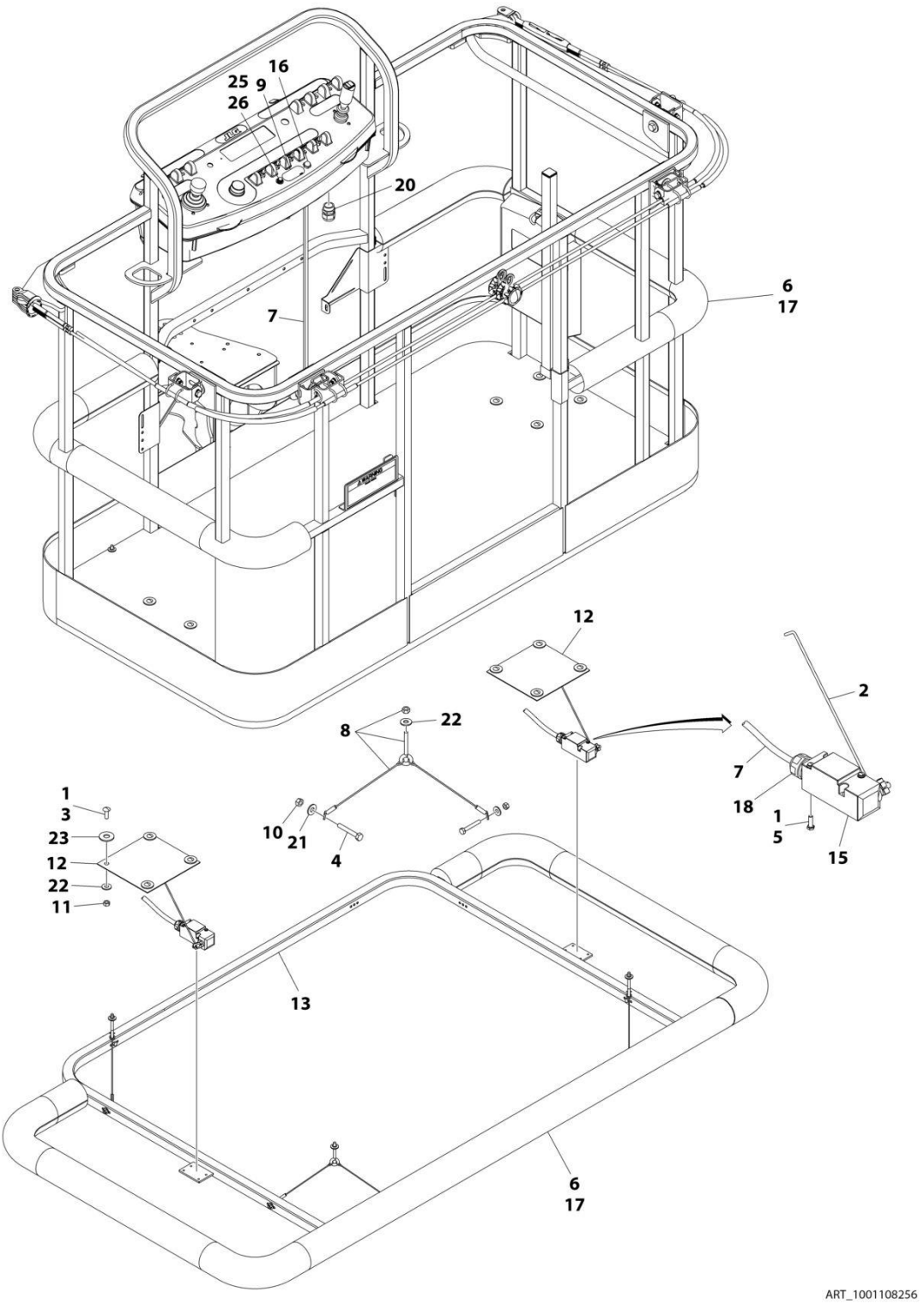


FIGURE 5-42. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.8M FALL ARREST PLATFORMS (OPTIONAL)

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

FIGURE 5-43. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M PLATFORM (OPTIONAL)

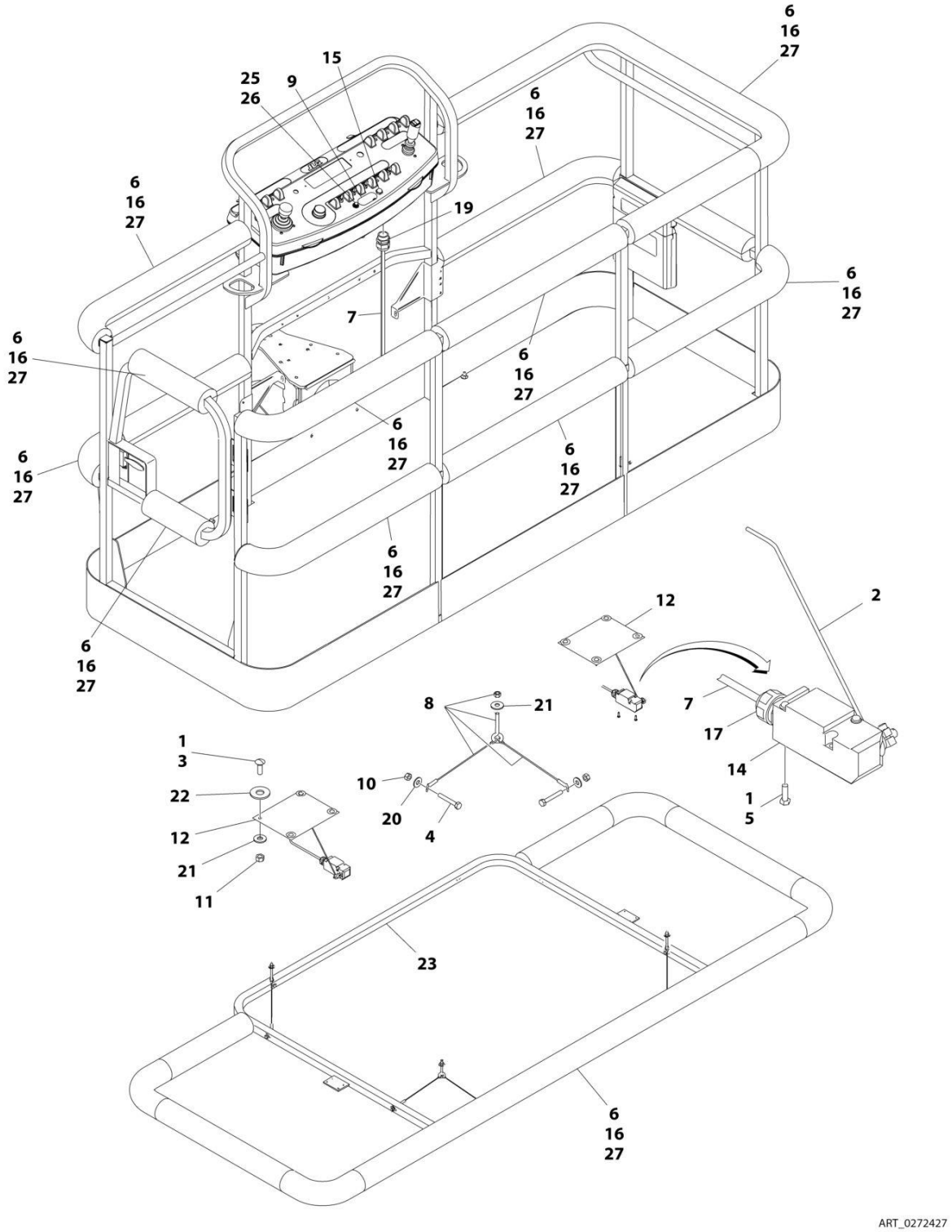


FIGURE 5-43. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M PLATFORM (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272427	Ref	SOFT TOUCH SYSTEM INSTALLATION	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, Electrical - 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 5-44. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M FALL ARREST PLATFORM (OPTIONAL)

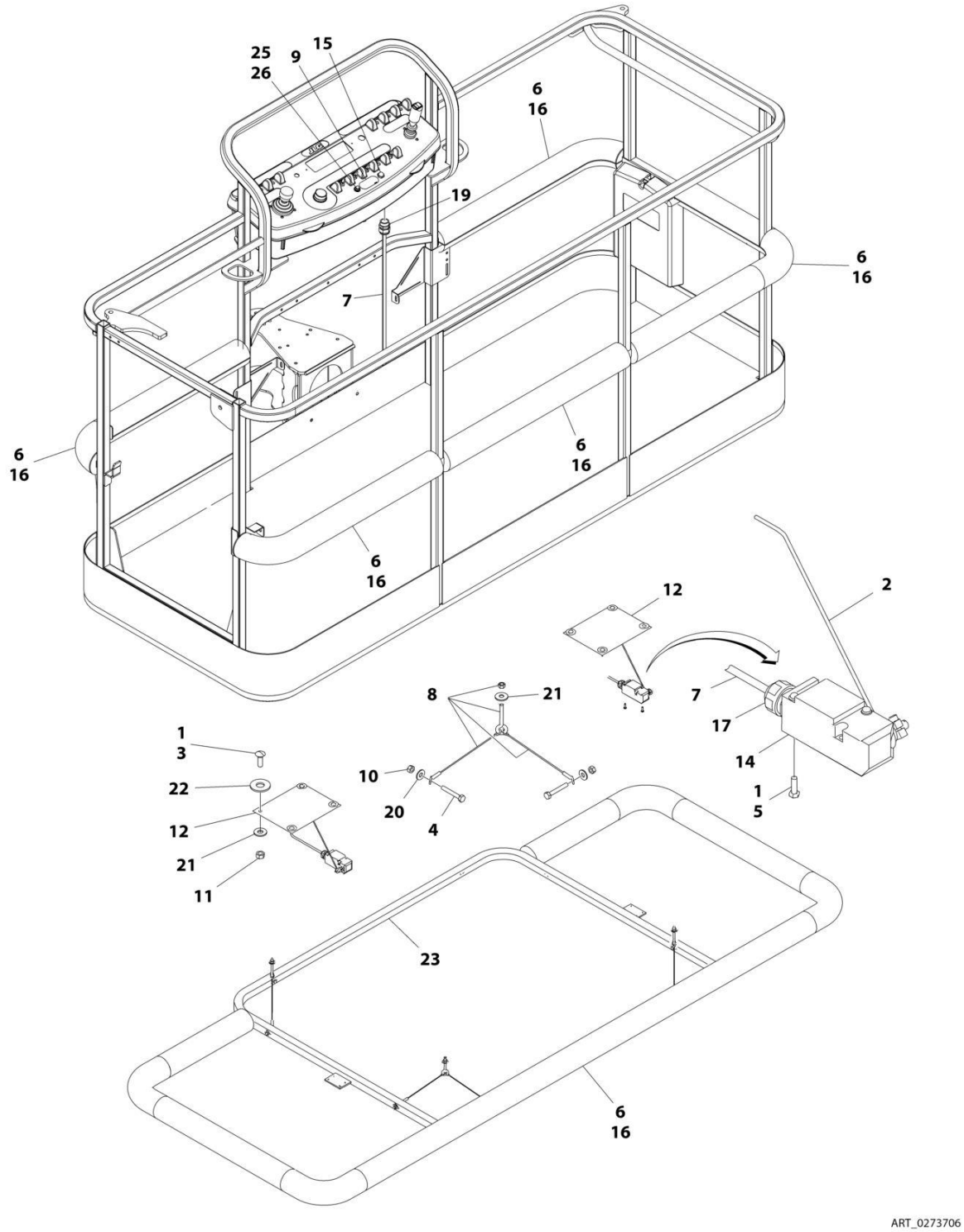


FIGURE 5-44. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M FALL ARREST PLATFORM (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273706	Ref	SOFT TOUCH INSTALLATION	D
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	0940133	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	8	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	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	
25	2920028	1	Light, Indicator	
26	2920029	1	Bulb, Light	

FIGURE 5-45. PLATFORM PADDING INSTALLATION (30IN/76CM DEPTH PLATFORMS) (ANSI, ANSI EXPORT, CSA AND CHINA SPECS) (OPTIONAL)

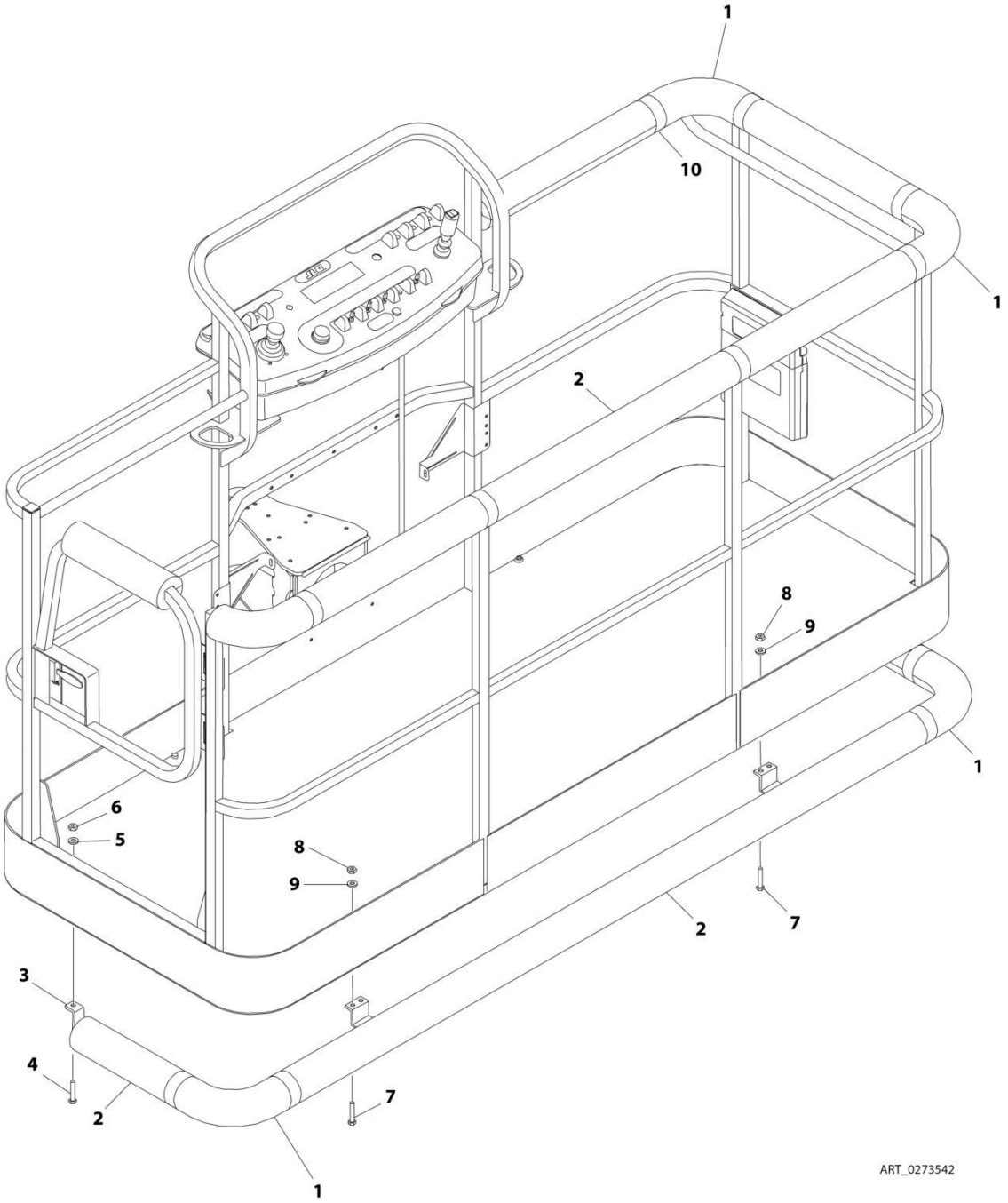


FIGURE 5-45. PLATFORM PADDING INSTALLATION (30IN/76CM DEPTH PLATFORMS) (ANSI, ANSI EXPORT, CSA AND CHINA SPECS) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273542	Ref	PADDING INSTALLATION (30 X 48 SIDE ENTRY PLATFORM)	A
1	0940092	4	Bumper, Pad (Corner)	
2	0940094	9 ft /2.7m	Bumper, Pad (Square Tubing)	
3	0940131	1	Bumper, Rail	
4	0641516	2	Bolt 5/16 x 2	
5	4751500	2	Washer 5/16	
6	3311505	2	Nut 5/16	
7	0641813	4	Bolt 1/2 x 1-5/8	
8	3311805	4	Nut 1/2	
9	4891800	4	Washer 1/2 Hardened	
10	4420068	30 ft /9.1m	Tape	

FIGURE 5-46. FALL ARREST (BOLT-ON) INSTALLATION - 30IN X 4FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) (OPTIONAL)

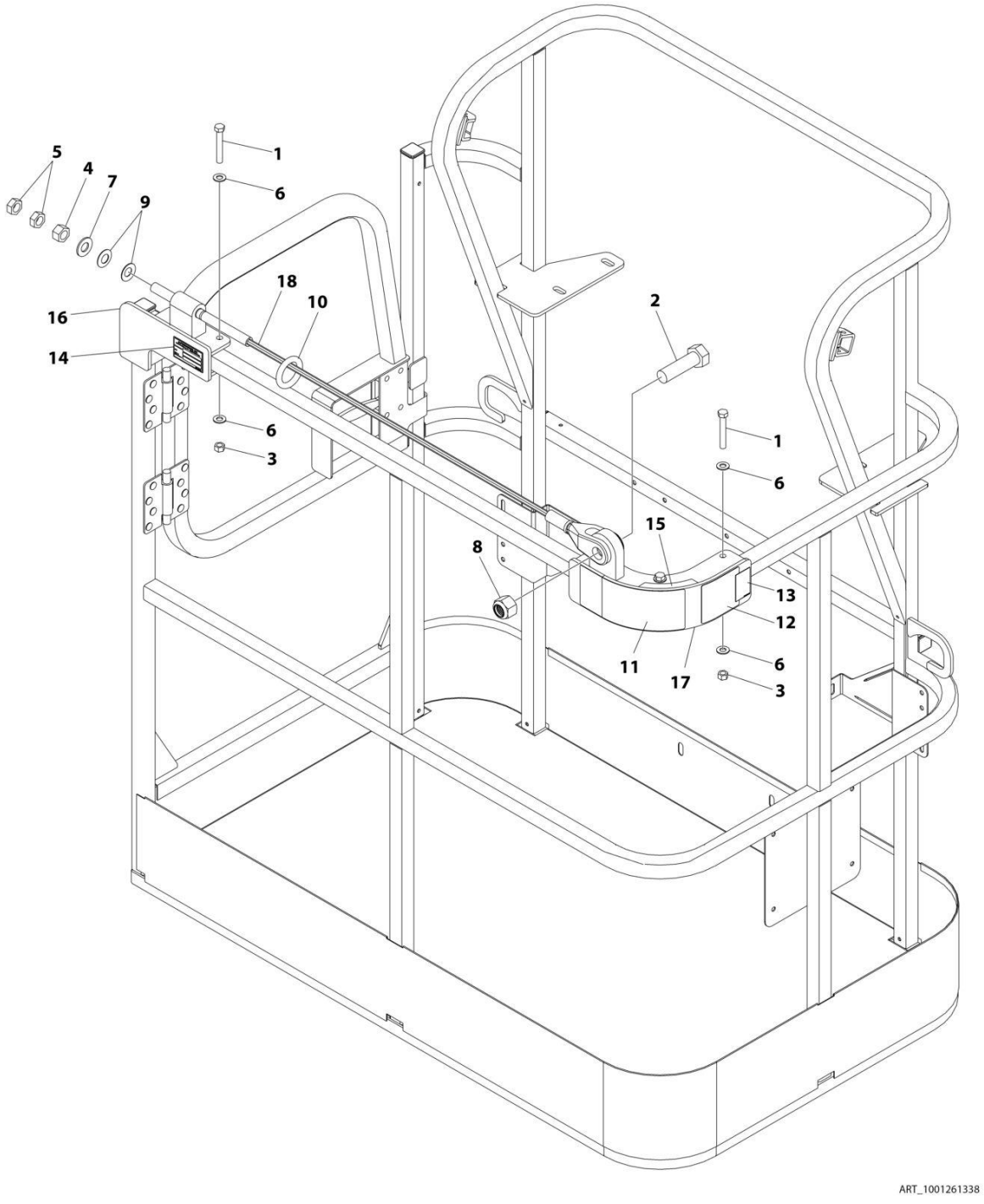
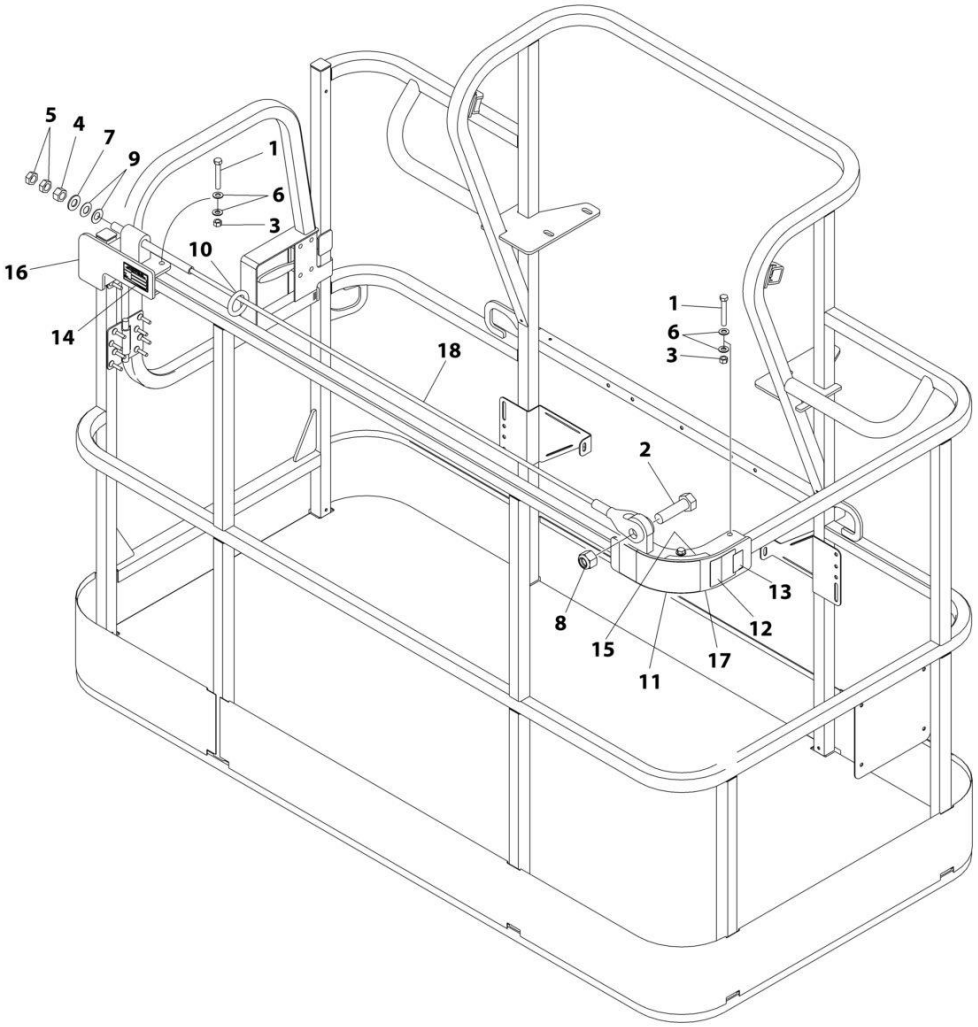


FIGURE 5-46. FALL ARREST (BOLT-ON) INSTALLATION - 30IN X 4FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001261338	Ref	FALL ARREST INSTALLATION	A
1	0681620	6	Bolt 3/8 x 2-1/2	
2	0682424	1	Bolt 7/8 x 3	
3	3271605	6	Nut 3/8	
4	3272001	1	Nut 5/8	
5	3312002	2	Nut 5/8	
6	4711600	12	Washer 3/8	
7	4712000	1	Washer 5/8	
8	88521214	1	Nut 7/8	
9	1001236891	2	Washer	
10	1001236895	1	Ring	
11	1001238263	1	Decal - Warning Falling Hazard	
12	1001248140	1	Decal - Bolt Fall Arrest Re-Cert	
13	1001248141	1	Decal - Incription	
14	See Note	NSS	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
15	1001252629	1	Decal - Weight	
16	1001257271	1	Bracket (RH)	
17	1001257274	1	Bracket (LH)	
18	1001261335	1	Rope	

FIGURE 5-47. FALL ARREST (BOLT-ON) INSTALLATION - 30IN X 5FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) (OPTIONAL)



ART_1001257275

FIGURE 5-47. FALL ARREST (BOLT-ON) INSTALLATION - 30IN X 5FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) (OPTIONAL)

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

FIGURE 5-48. FALL ARREST (BOLT-ON) INSTALLATION - 36IN X 6FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) (OPTIONAL)

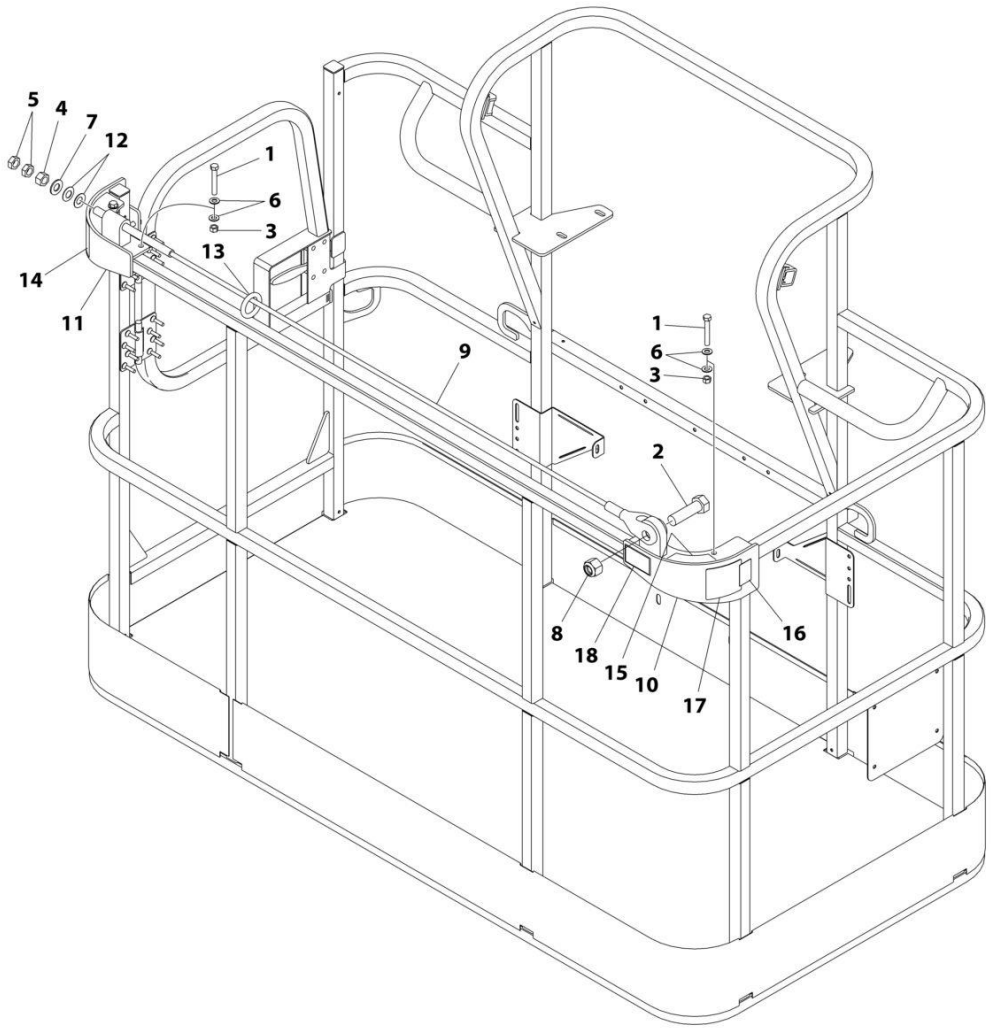


FIGURE 5-48. FALL ARREST (BOLT-ON) INSTALLATION - 36IN X 6FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) (OPTIONAL)

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

FIGURE 5-49. FALL ARREST (BOLT-ON) INSTALLATION - 36IN X 6FT TRI-ENTRY PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) (OPTIONAL)

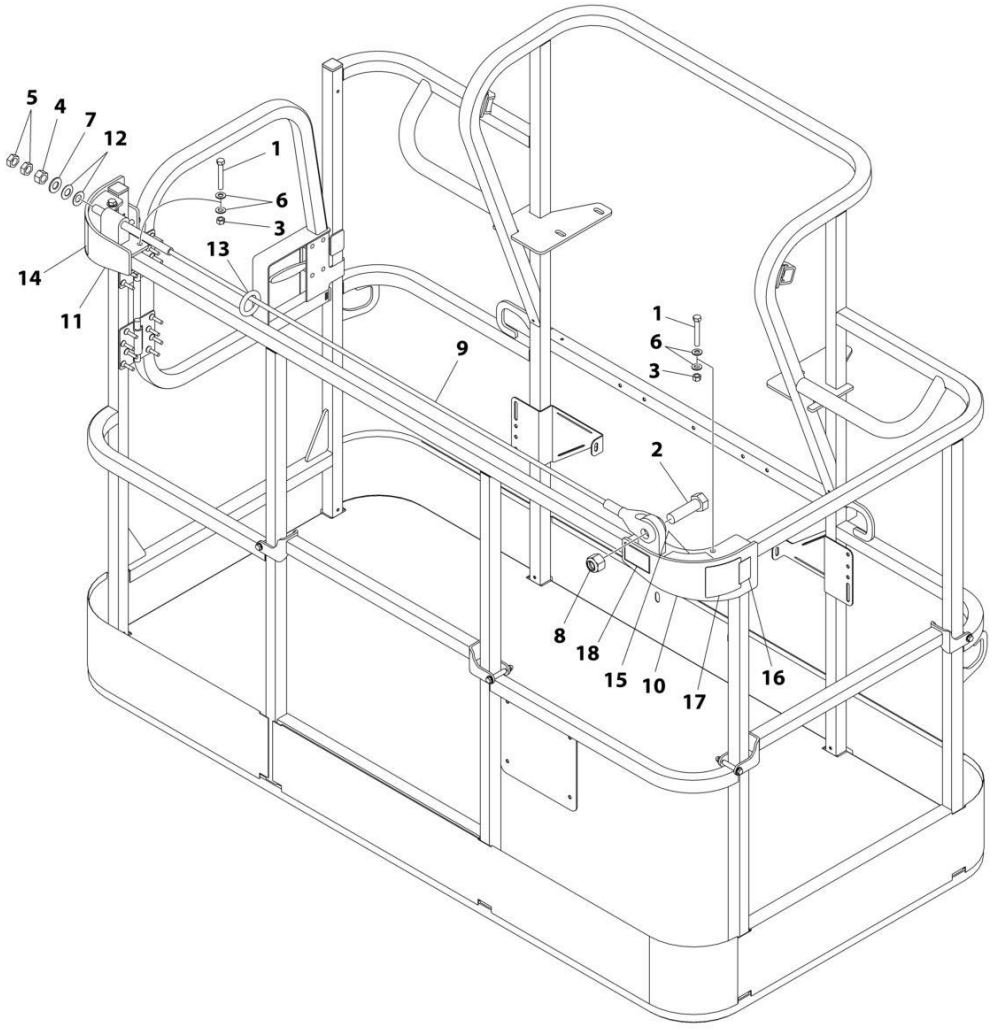


FIGURE 5-49. FALL ARREST (BOLT-ON) INSTALLATION - 36IN X 6FT TRI-ENTRY PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) (OPTIONAL)

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

FIGURE 5-50. FALL ARREST (BOLT-ON) INSTALLATION - 36IN X 8FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) (OPTIONAL)

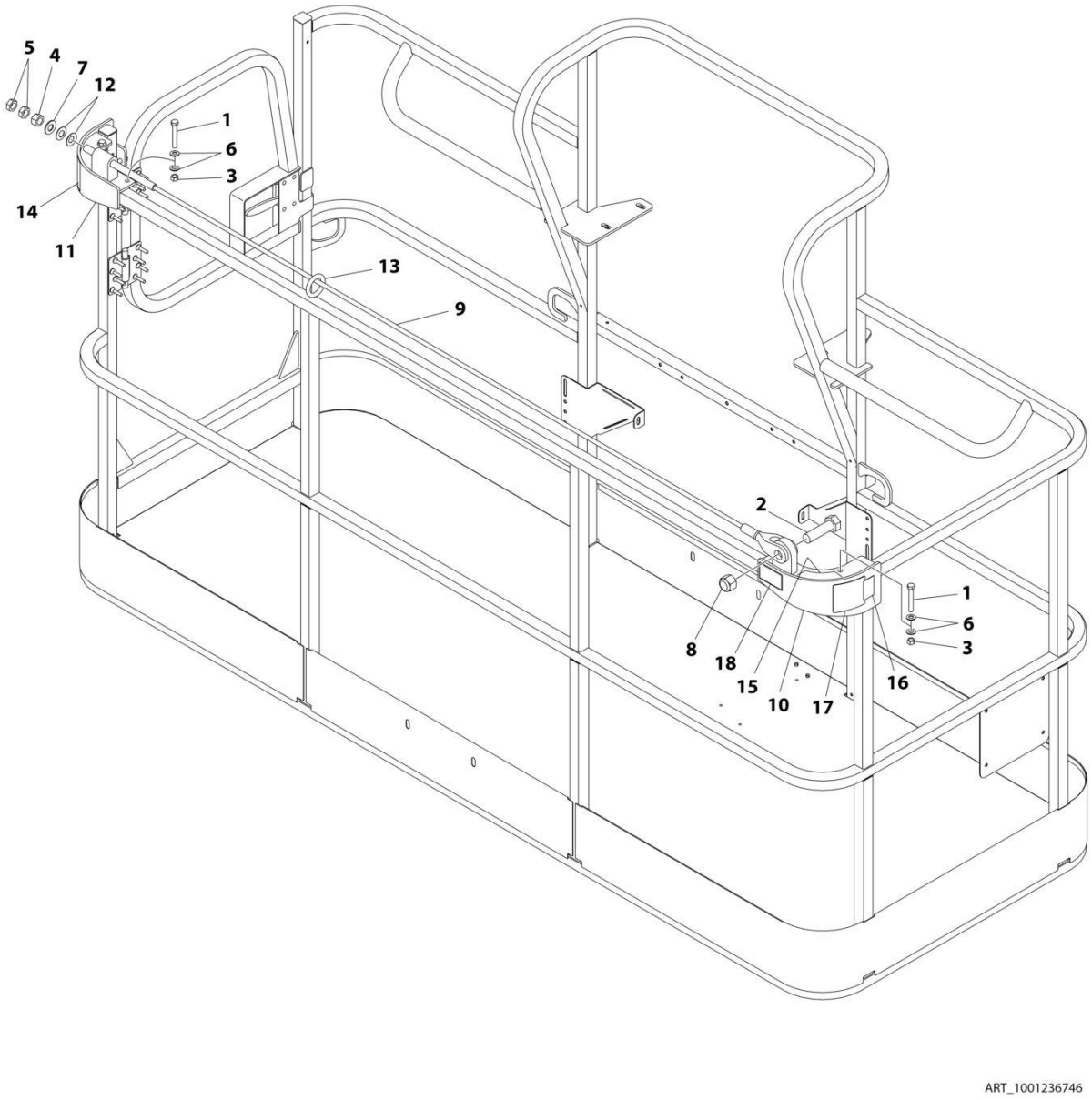


FIGURE 5-50. FALL ARREST (BOLT-ON) INSTALLATION - 36IN X 8FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) (OPTIONAL)

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

FIGURE 5-51. USB CHARGER INSTALLATION

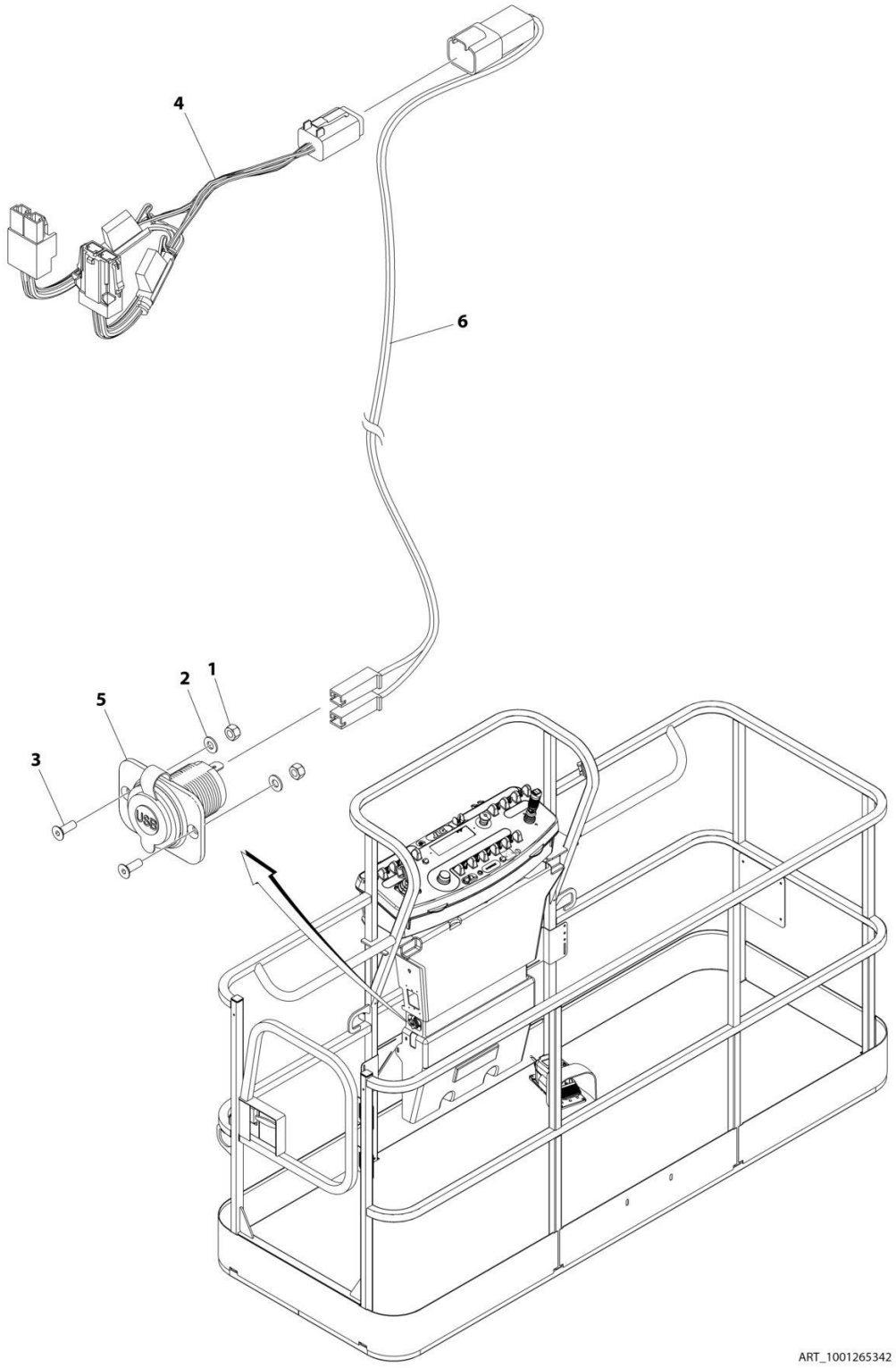


FIGURE 5-51. USB CHARGER INSTALLATION

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. AXLE LOCKOUT CYLINDER ASSEMBLY

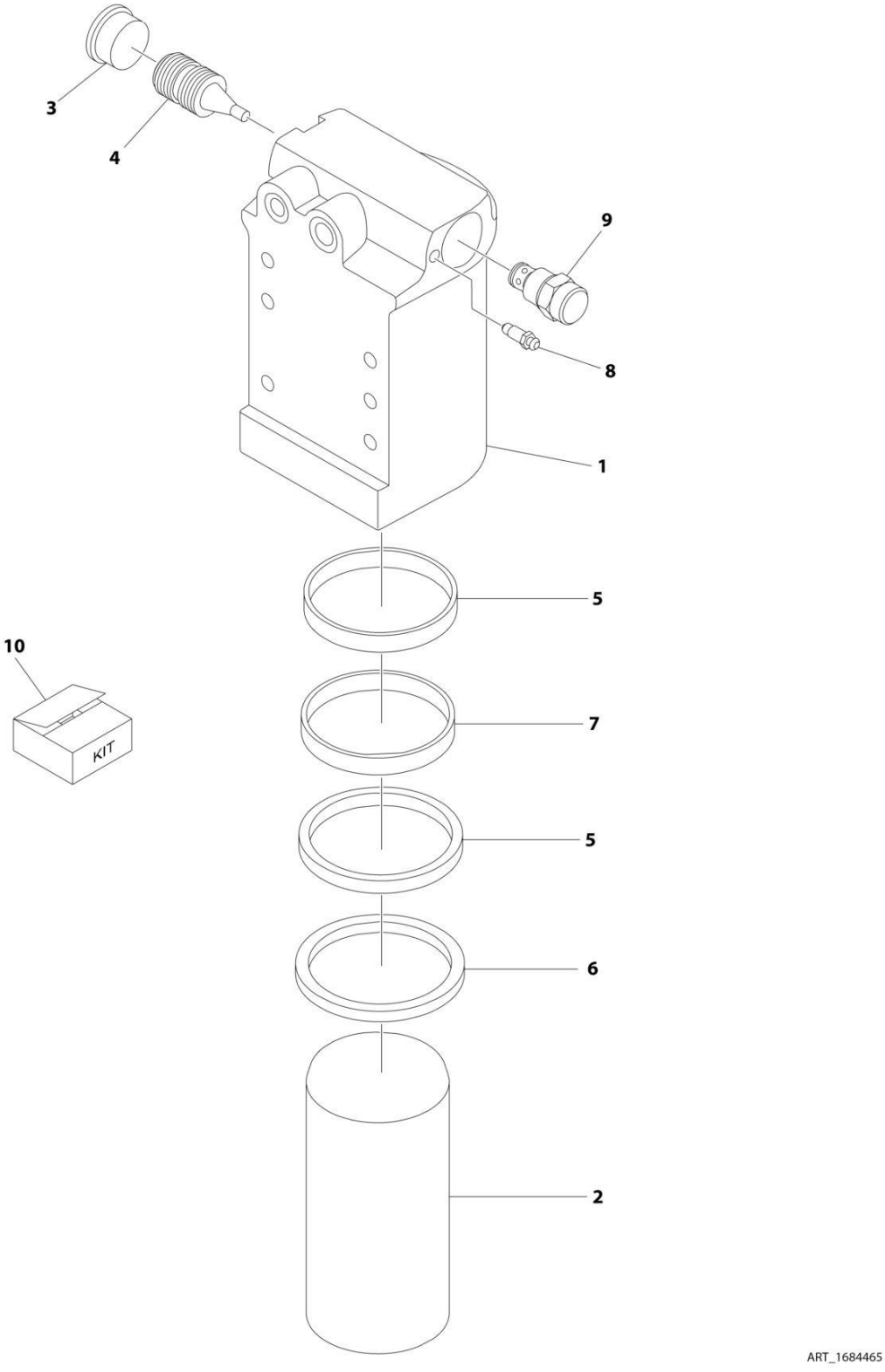


FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684465	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	J
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0370026	1	Barrel	
2	1684290	1	Rod	
3	2220890	1	Plug	
4	3480288	1	Piston, Pilot	
5	See Note	NSS	Ring, Wear (Note: Use Item 110)	
6	See Note	NSS	Wiper (Note: Use Item 110)	
7	See Note	NSS	Seal, Rod (Note: Use Item 110)	
8	4640858	1	Bleeder	
9	4641390	1	Cartridge, Valve	
9	7017496	1	Seal Kit	
10	2902266	1	Seal Kit (Includes Items 105-107)	

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

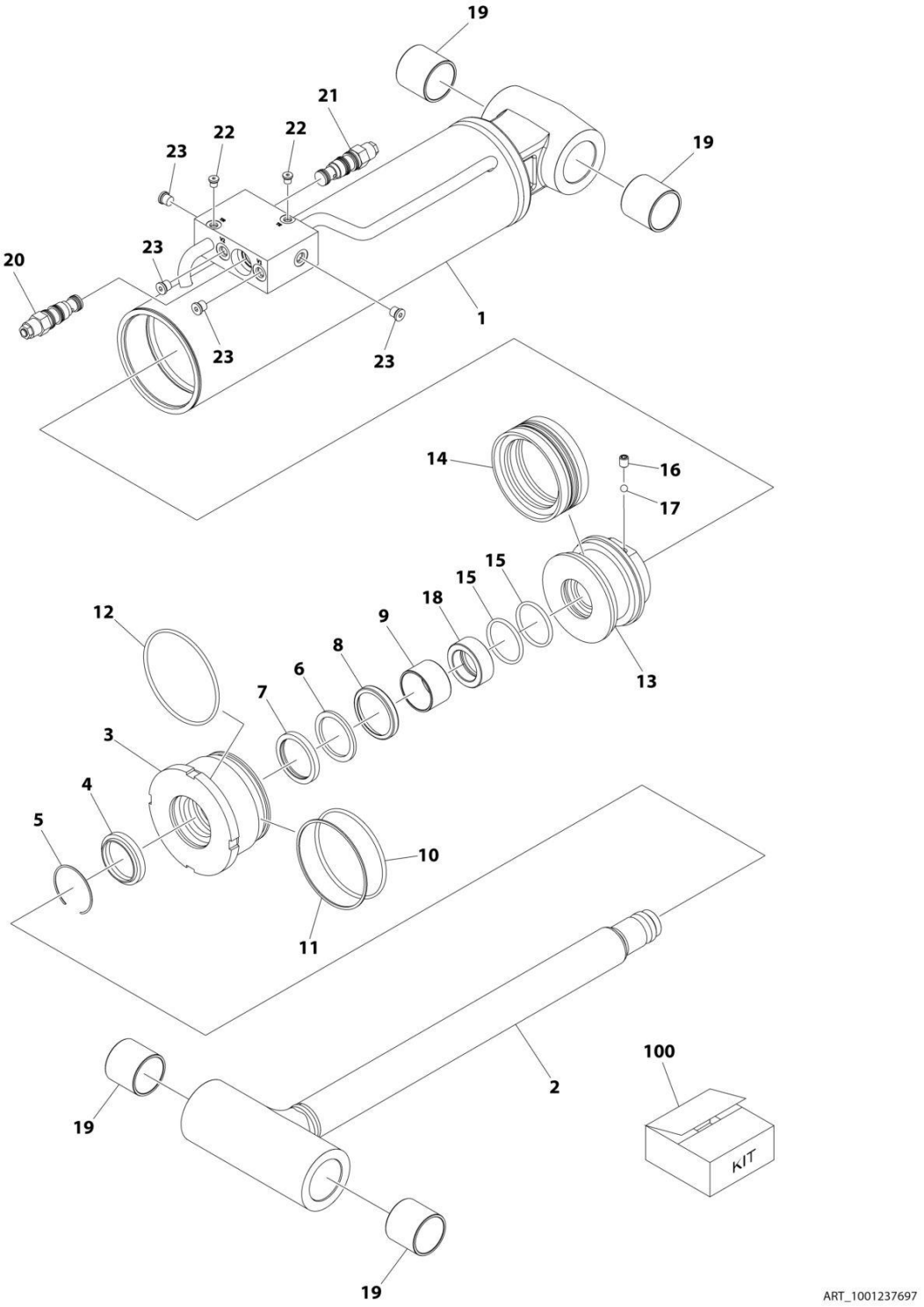


FIGURE 6-2. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY

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

FIGURE 6-3. LEVEL (UPRIGHT) CYLINDER ASSEMBLY

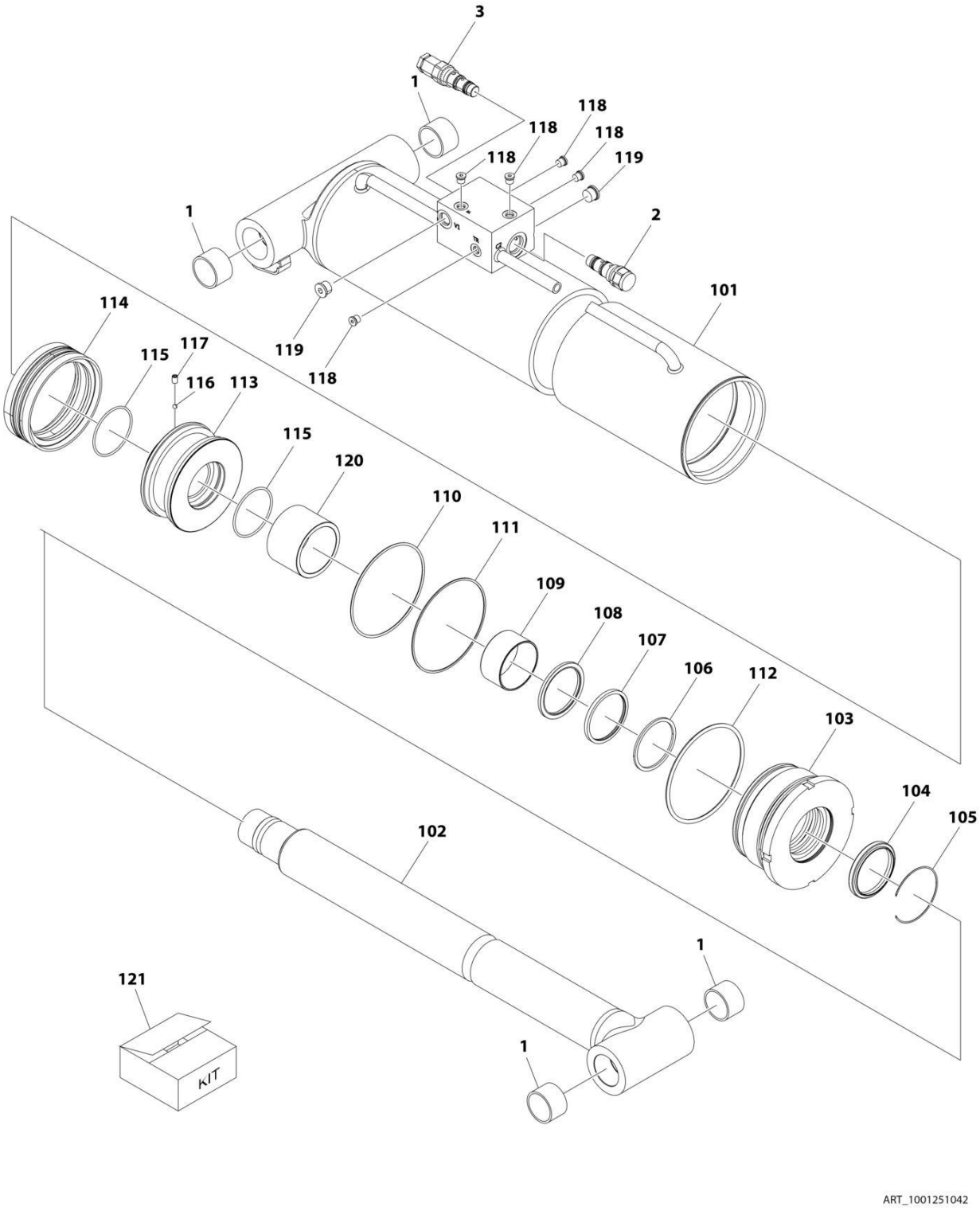


FIGURE 6-3. LEVEL (UPRIGHT) CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251042	Ref	UPRIGHT LEVEL CYLINDER ASSEMBLY	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0961949	4	Bushing	
2	4640509	1	Cartridge, Valve	
2	2900792	2	Seal Kit - 4640509 Valve	
3	4640605	1	Cartridge, Valve	
3	2900792	1	Seal Kit - 4640605 Valve	
101	See Note	NSS	Tube (Not Available for Purchase)	
102	70002793	1	Rod	
103	70008194	1	Head	
104	See Note	NSS	Wiper, Dust (Note: Use Item 121)	
105	70023379	1	RETAINING RING	
106	See Note	NSS	Seal, Rod (Note: Use Item 121)	
107	See Note	NSS	Ring, Backup (Note: Use Item 121)	
108	See Note	1	Ring, Buffer (Note: Use Item 121)	
109	70052522	1	Bushing	
110	See Note	NSS	O-Ring (Note: Use Item 121)	
111	See Note	NSS	Ring, Backup (Note: Use Item 121)	
112	See Note	NSS	O-Ring (Note: Use Item 121)	
113	70008195	1	Piston	
114	See Note	NSS	Seal, Piston (Note: Use Item 121)	
115	See Note	NSS	O-Ring (Note: Use Item 121)	
116	70022564	1	Ball, Steel	
117	70029468	1	Screw, Set	
118	2220883	5	Plug 7/16	
119	2220886	2	Plug 3/4	
120	70008196	1	Spacer	
121	70008197	1	Seal Kit (Includes Items 104, 106-108, 110-112 ,114 & 115)	

FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB

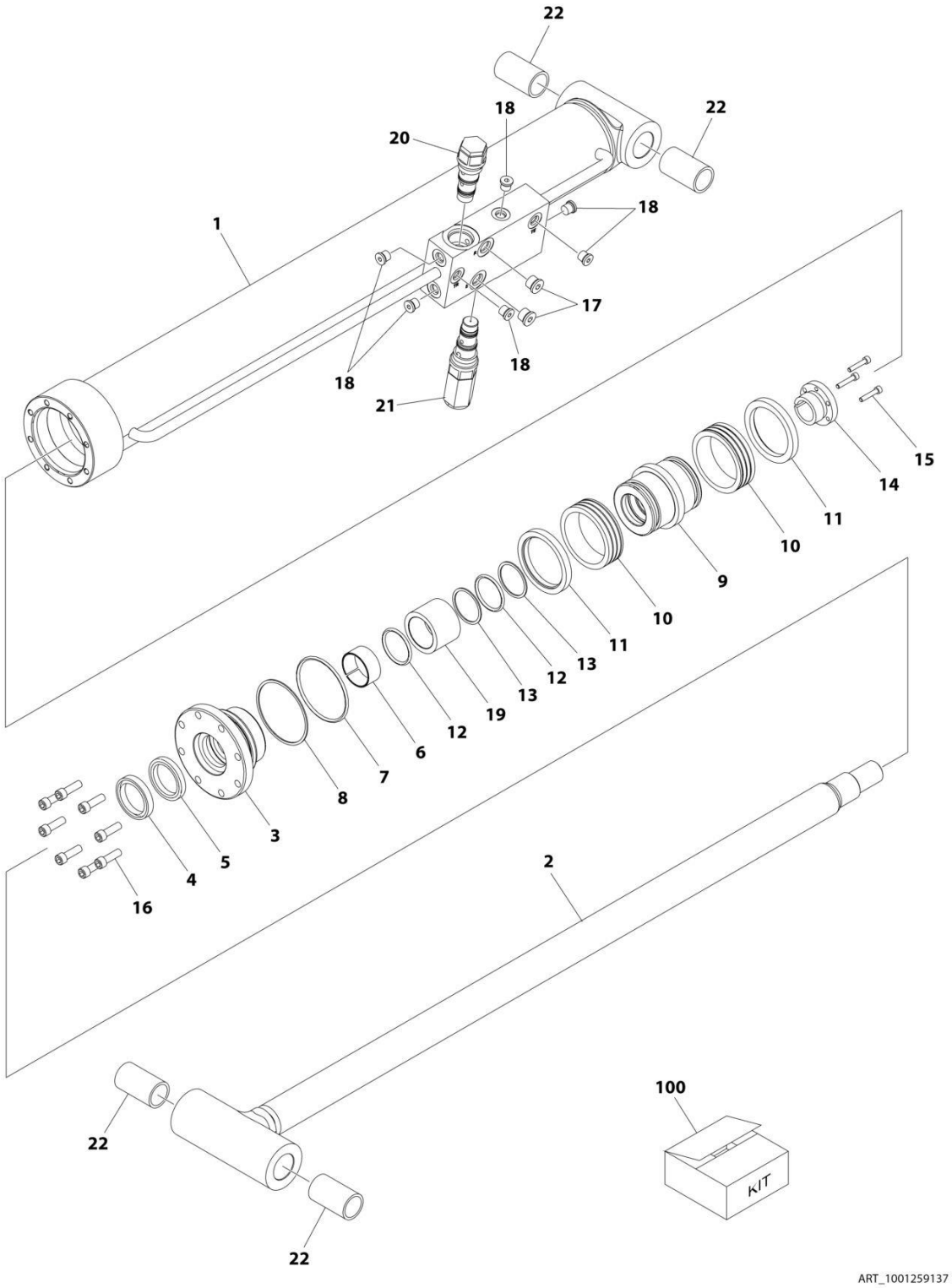


FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB

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

FIGURE 6-5. LIFT CYLINDER ASSEMBLY - JIB

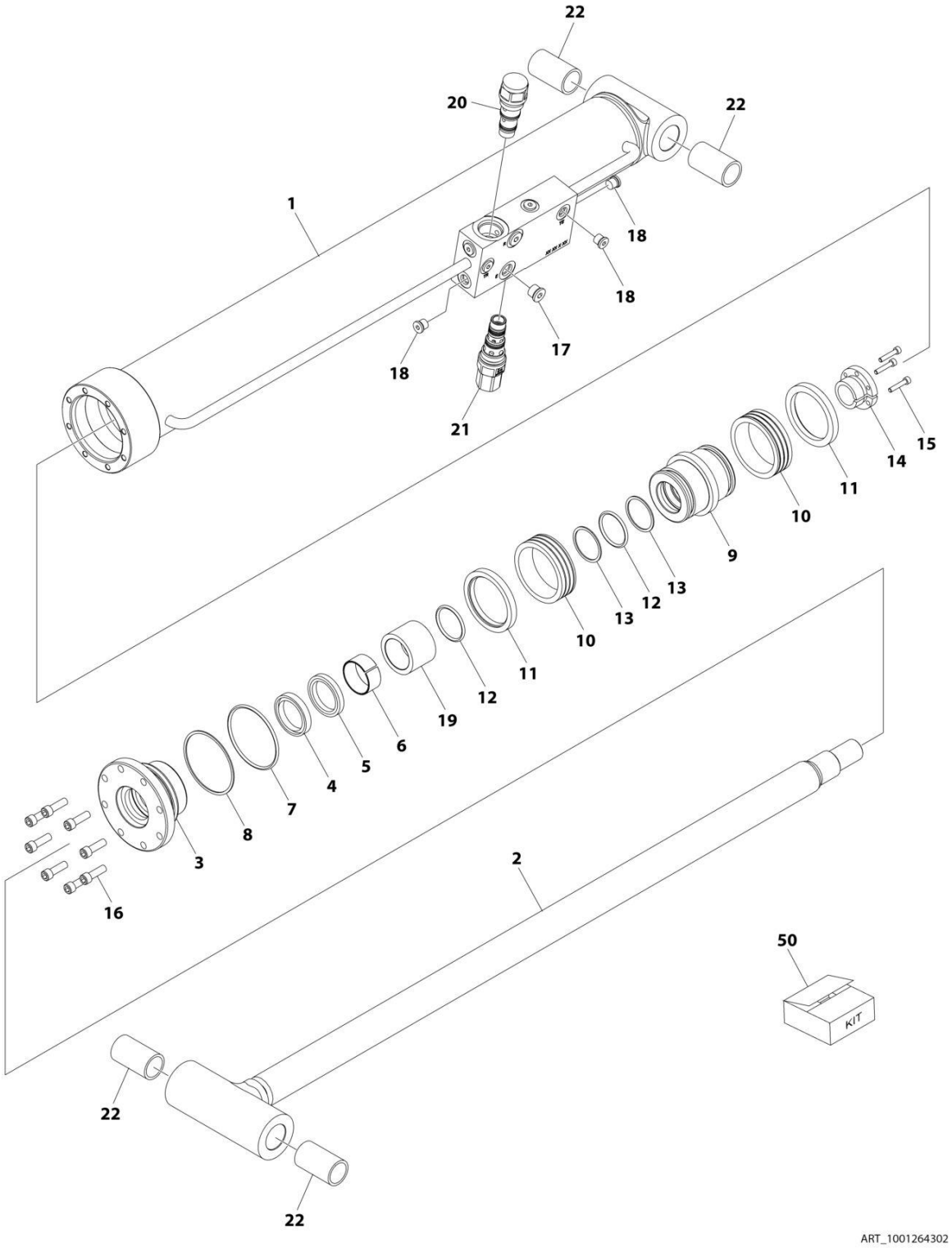


FIGURE 6-5. LIFT CYLINDER ASSEMBLY - JIB

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

FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB

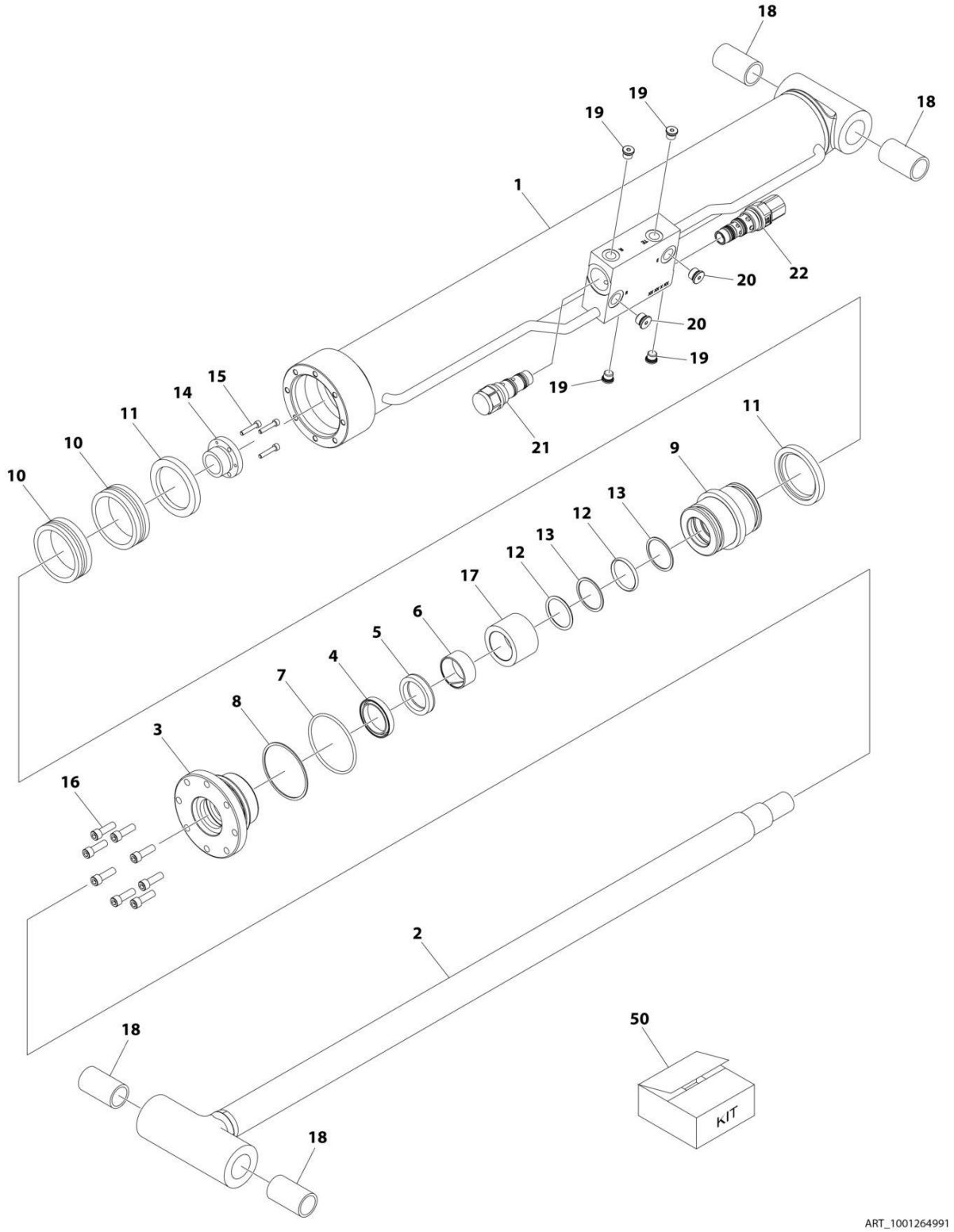


FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB

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

FIGURE 6-7. LIFT CYLINDER ASSEMBLY - MAIN BOOM

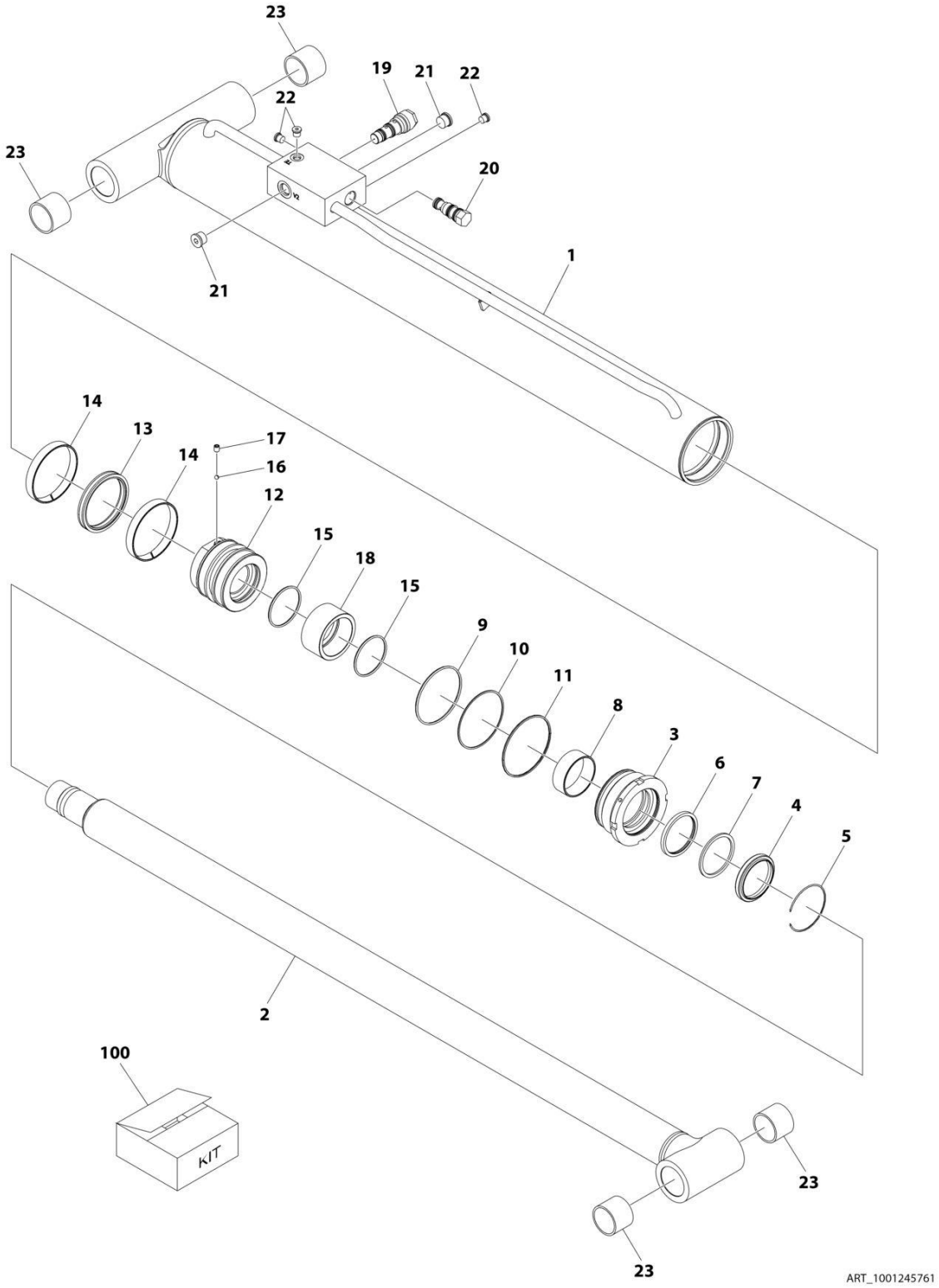


FIGURE 6-7. LIFT CYLINDER ASSEMBLY - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245761	Ref	LIFT CYLINDER ASSEMBLY - MAIN BOOM	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Use p/n 1001228092)	
2	70007451	1	Rod	
3	70007051	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70050795	1	Ring, Retainer	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	70007052	1	Ring, Wear	
9	See Note	NSS	O-Ring (Note: Use Item 100)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
11	See Note	NSS	O-Ring (Note: Use Item 100)	
12	70007452	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	70022564	1	Ball	
17	70023369	1	Setscrew M8 x 10	
18	70007453	1	Spacer	
19	4640509	1	Cartridge, Counterbalance Valve	
19	2900792	1	Seal Kit - 4640509 Cartridges	
20	4640438	1	Cartridge, Check Valve	
20	2900770	1	Seal Kit - 4640438 Valve	
21	2220886	2	Plug 3/4	
22	2220883	3	Plug #4	
23	70007454	4	Bearing	
100	70007455	1	Seal Kit - 1001228092 Cylinder (Includes item 4, 6, 7, 8-10 & 13-15)	

FIGURE 6-8. LIFT CYLINDER ASSEMBLY - MAIN BOOM

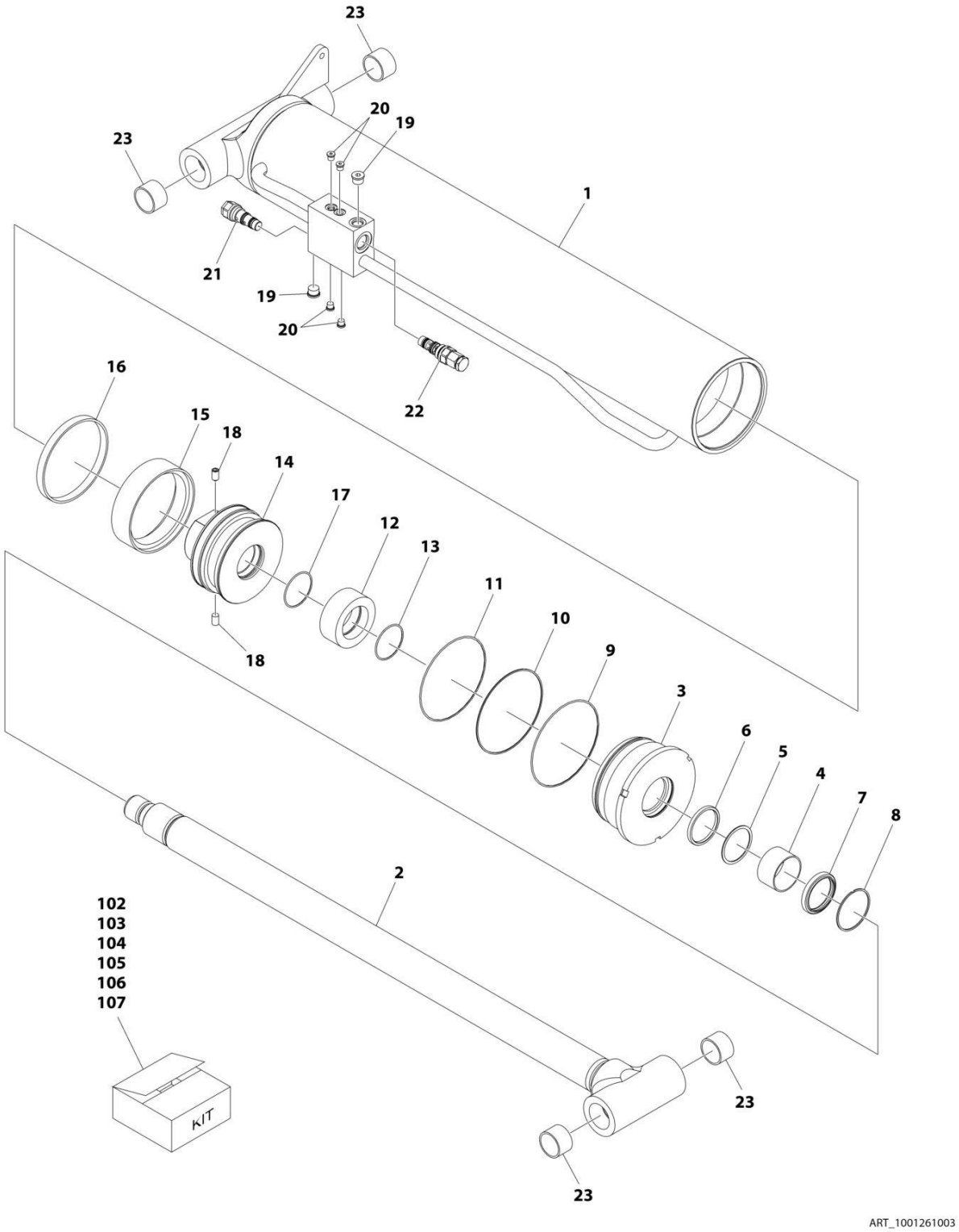


FIGURE 6-8. LIFT CYLINDER ASSEMBLY - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001261003	Ref	LIFT CYLINDER ASSEMBLY - MAIN BOOM	A
		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 1001261003)	
2	See Note	NSS	Rod (Use Item 102)	
3	See Note	NSS	Head (Use Item 103)	
4	See Note	NSS	Ring, Wear (Use Item 103)	
5	See Note	NSS	O-Ring (Note: Use Item 104)	
6	See Note	NSS	Ring, Back-up (Note: Use Item 104)	
7	See Note	NSS	Wiper (Note: Use Item 104)	
8	See Note	NSS	Ring, Retainer (Note: Use Item 104)	
9	See Note	NSS	O-Ring (Note: Use Item 104)	
10	See Note	NSS	Ring, Back-Up (Note: Use Item 104)	
11	See Note	NSS	O-Ring (Note: Use Item 104)	
12	See Note	NSS	Spacer (Note: Use Item 105)	
13	See Note	NSS	O-Ring (Note: Use Item 105)	
14	See Note	NSS	Piston (Note: Use Item 106)	
15	See Note	NSS	Seal (Note: Use Item 104)	
16	See Note	NSS	Ring, Wear (Note: Use Item 104)	
17	See Note	NSS	O-Ring (Note: Use Item 104)	
18	See Note	NSS	Setscrew (Note: Use Item 106)	
19	See Note	NSS	Plug 3/4	
20	See Note	NSS	Plug 7/16	
21	4640509	1	Cartridge, Counterbalance Valve	
21	2900792	1	Seal Kit - 4640509 Valve	
22	4640605	1	Cartridge, Counterbalance Valve	
22	2900792	1	Seal Kit - 4640605 Valve	
23	0961949	4	Bearing	
102	70007460	1	Rod Kit (Includes Item 2 & 23)	
103	70007461	1	Rod Cover Kit (Includes Item 3 & 4)	
104	70007462	1	Seal Kit (Includes Item 5-11 & 15-17)	
105	70007463	1	Spacer Kit (Includes Item 12 & 13)	
106	70007464	1	Piston Kit (Includes Item 14 & 18)	
107	70007465	1	Plug Kit (Includes Item 20)	

FIGURE 6-9. MASTER CYLINDER ASSEMBLY

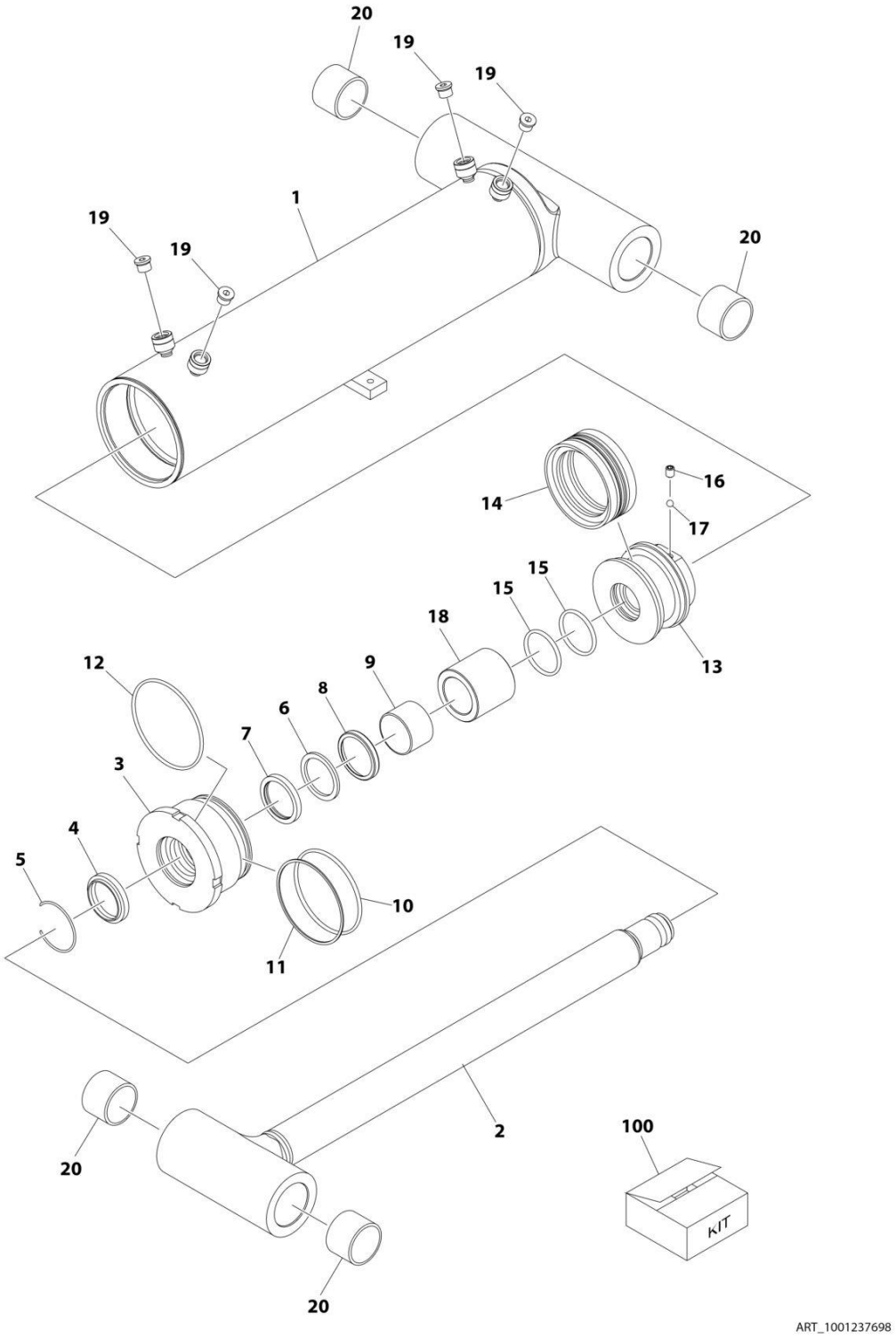


FIGURE 6-9. MASTER CYLINDER ASSEMBLY

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

FIGURE 6-10. STEER CYLINDER ASSEMBLY

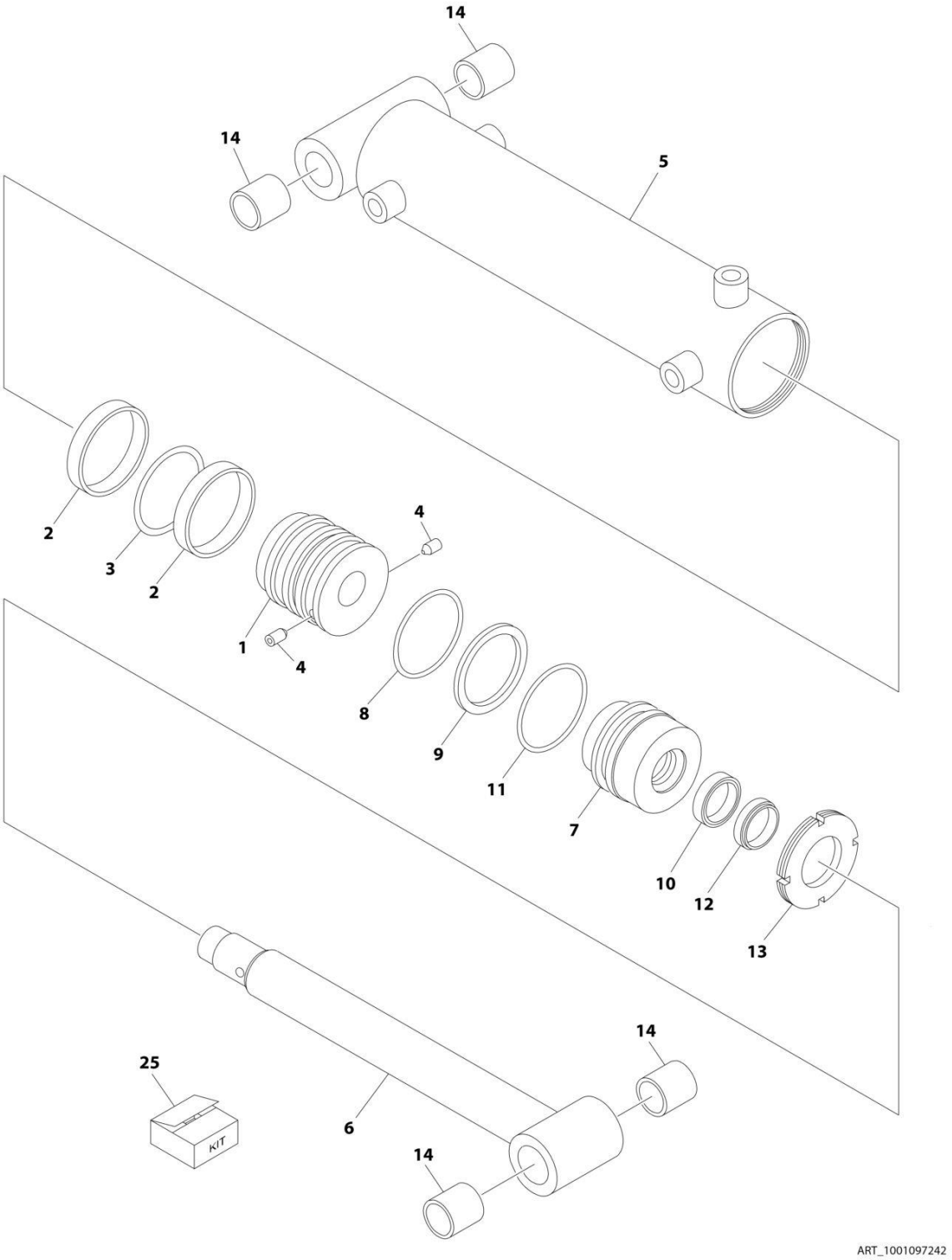


FIGURE 6-10. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001097242	Ref	STEER CYLINDER ASSEMBLY	A
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70002752	1	Piston	
1	0100011	AR	Compound, Locking	
1	0100038	AR	Primer, Locking	
2	See Note	NSS	Seal (Note: Use Item 25)	
3	See Note	NSS	O-Ring (Note: Use Item 25)	
4	70002745	2	Setscrew	
5	70002753	1	Barrel	
6	70002754	1	Rod	
7	70002755	1	Head	
8	See Note	NSS	O-Ring (Note: Use Item 25)	
9	See Note	NSS	Ring, Back-Up (Note: Use Item 25)	
10	See Note	NSS	Seal (Note: Use Item 25)	
11	See Note	NSS	O-Ring (Note: Use Item 25)	
12	See Note	NSS	Wiper (Note: Use Item 25)	
13	70002756	1	Nut, Spanner	
13	0100011	AR	Compound, Locking	
13	0100038	AR	Primer, Locking	
14	0962356	4	Bushing	
25	70002757	1	Seal Kit (Includes Items 2, 3 & 8-12)	

FIGURE 6-11. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM

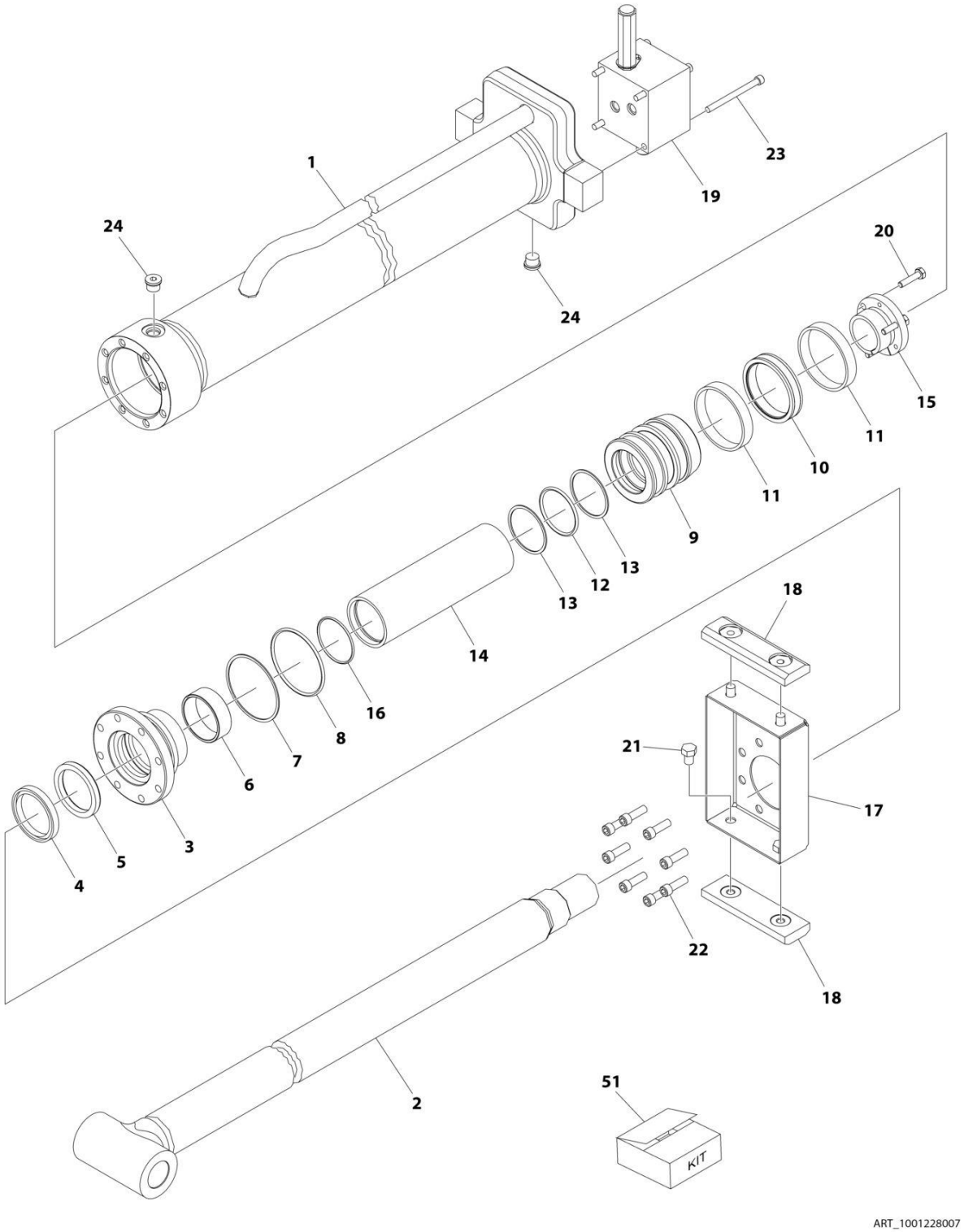


FIGURE 6-11. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228007	Ref	TELESCOPE CYLINDER ASSEMBLY	E
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use p/n 1001228007)	
2	70006654	1	Rod	
3	70006483	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 51)	
5	See Note	NSS	Seal, Rod (Note: Use Item 51)	
6	See Note	NSS	Ring, Wear (Note: Use Item 51)	
7	See Note	NSS	O-Ring (Note: Use Item 51)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 51)	
9	70006482	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 51)	
11	See Note	NSS	Ring, Wear (Note: Use Item 51)	
12	See Note	NSS	O-Ring (Note: Use Item 51)	
13	See Note	NSS	Ring, Back-up (Note: Use Item 51)	
14	70006655	1	Spacer	
15	0961896	1	Bushing, Tapered	
16	See Note	NSS	O-Ring (Note: Use Item 51)	
17	3538247	1	Plate, Wear Pad Mounting	
18	3340608	2	Pad, Wear	
19	4640862	1	Valve Block Assembly (Note: No Service Part Available - Replace Complete Assembly)	
20	0630535	3	Bolt 1/4 x 1-1/8	
21	0641604	4	Bolt 3/8 x 1/2	
22	3931516	8	Capscrew 5/16 x 1	
22	0100038	AR	Primer, Locking	
22	0100011	AR	Compound, Locking	
23	3931448	4	Capscrew 1/4 x 3	
24	2220885	AR	Plug, O-Ring	
51	2901861	1	Seal Kit - 1001228007 Cylinder (Includes Item 4-8, 10-13 & 16)	

FIGURE 6-12. TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM

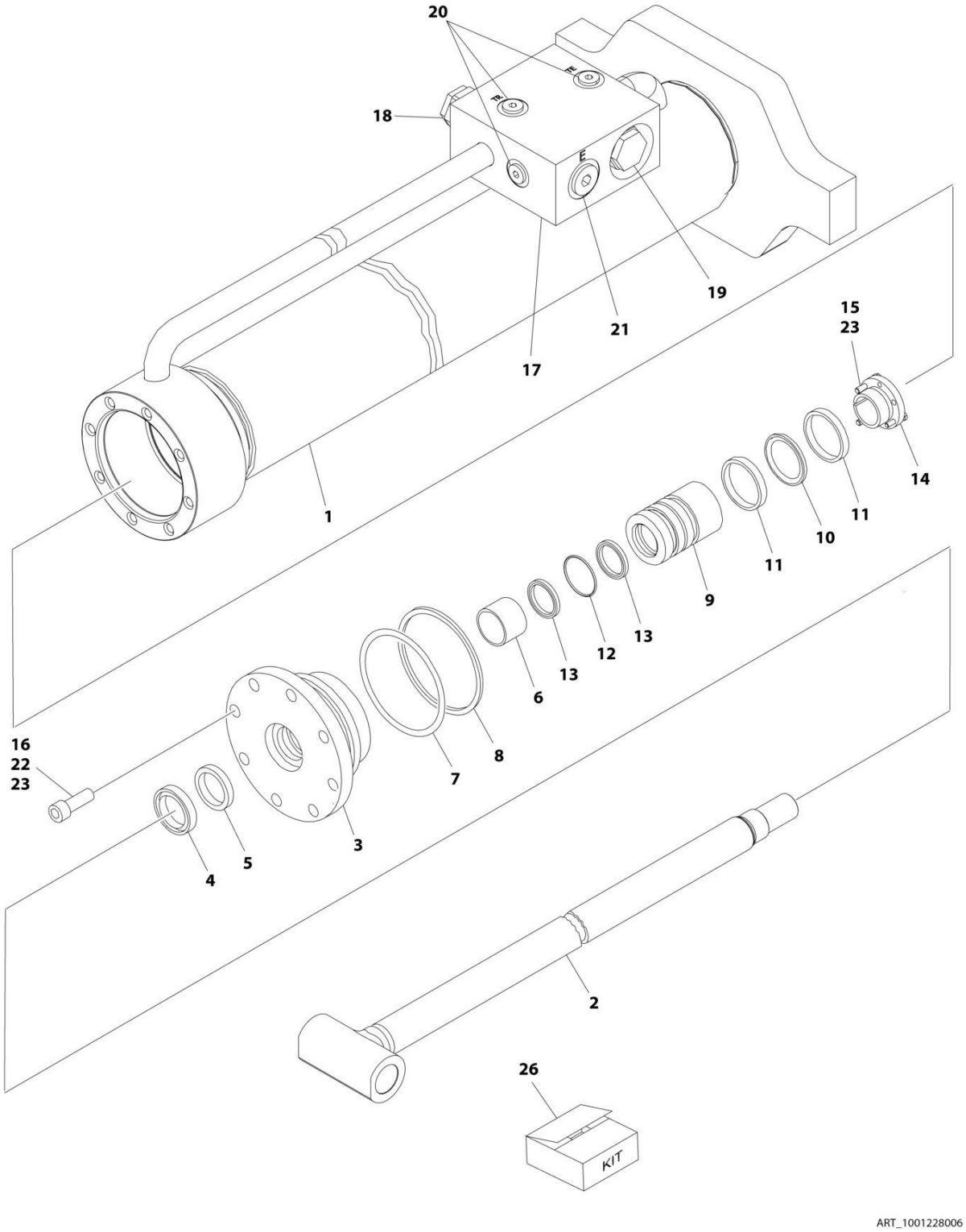
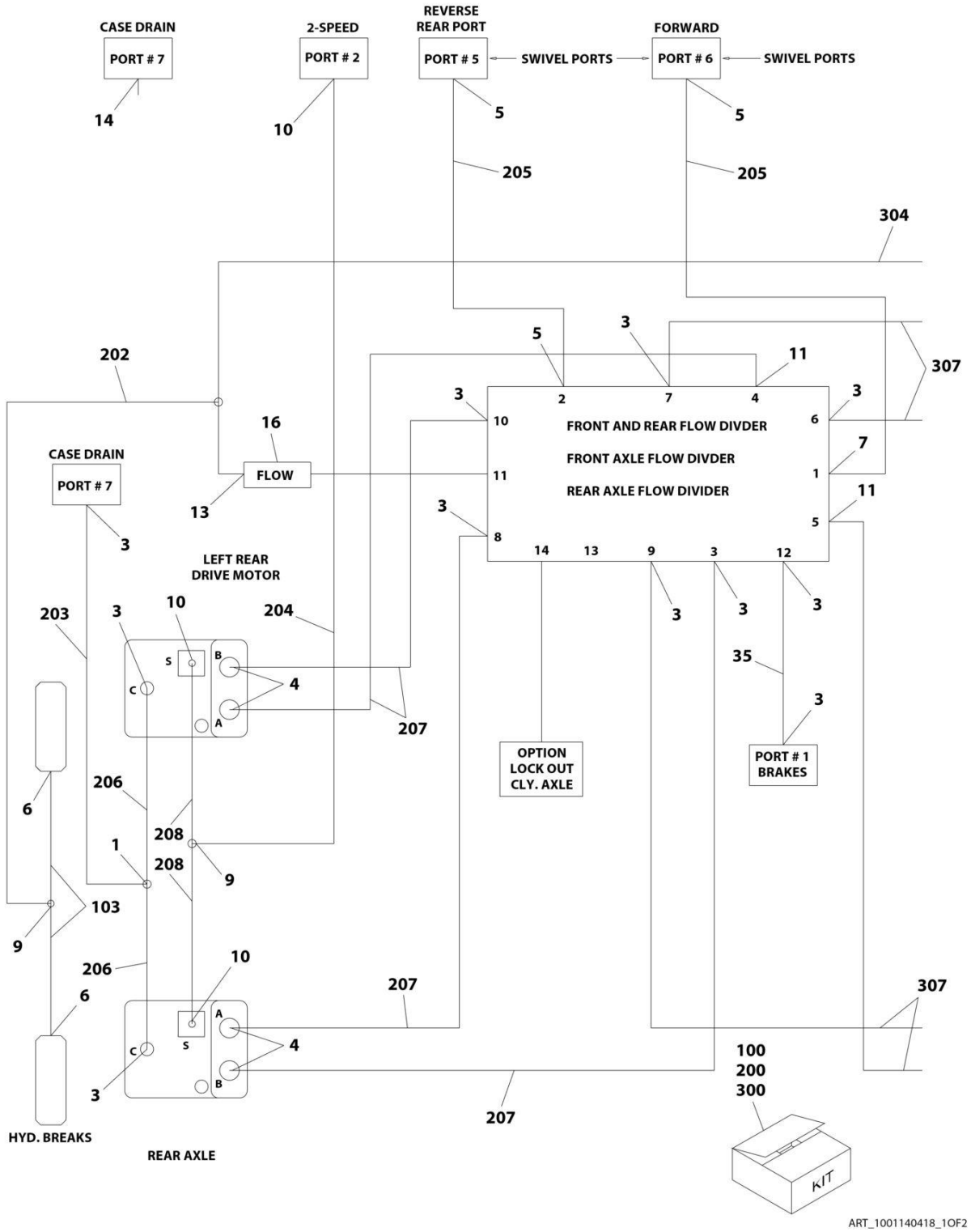


FIGURE 6-12. TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228006	Ref	TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM	D
		Ref	Note: Original Equipment components may have been replaced with Service Replacement components part. Identify p/n stamped on cylinder before ordering parts.	
1	See Note	NSS	Barrel (Note: Not Available for Purchase)	
2	70006484	1	Rod	
3	70006483	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 26)	
5	See Note	NSS	Seal, Rod (Note: Use Item 26)	
6	See Note	NSS	Ring, Wear (Note: Use Item 26)	
7	See Note	NSS	O-Ring (Note: Use Item 26)	
8	See Note	NSS	Ring, Back-Up (Note: Use Item 26)	
9	70006482	1	Piston	
10	See Note	NSS	T-Seal (Note: Use Item 26)	
11	See Note	NSS	Ring, Wear (Note: Use Item 26)	
12	See Note	NSS	O-Ring (Note: Use Item 26)	
13	See Note	NSS	Ring, Back-Up (Note: Use Item 26)	
14	0961896	1	Bushing, Tapered	
15	0630535	3	Bolt 1/4 x 1-1/8	
16	3931516	8	Capscrew 5/16 x 1	
17	4640647	1	Cartridge, Valve	
17	2900770	1	Seal Kit - 4640647 Valve	
18	4640509	2	Cartridge, Valve	
18	2900792	2	Seal Kit - 4640509 Valve	
19	4640999	1	Cartridge, Valve	
19	2900792	1	Seal Kit - 4640999 Valve	
20	2220883	3	Plug, O-Ring	
21	2220886	2	Plug, O-Ring	
22	0100038	AR	Primer, Locking	
23	0100011	AR	Compound, Locking	
26	2901861	1	Seal Kit - 1001228006 Cylinder (Includes Items 4-8 & 10-13)	

SECTION 7 - HYDRAULIC

FIGURE 7-1. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS WITHOUT ARCTIC PACKAGE



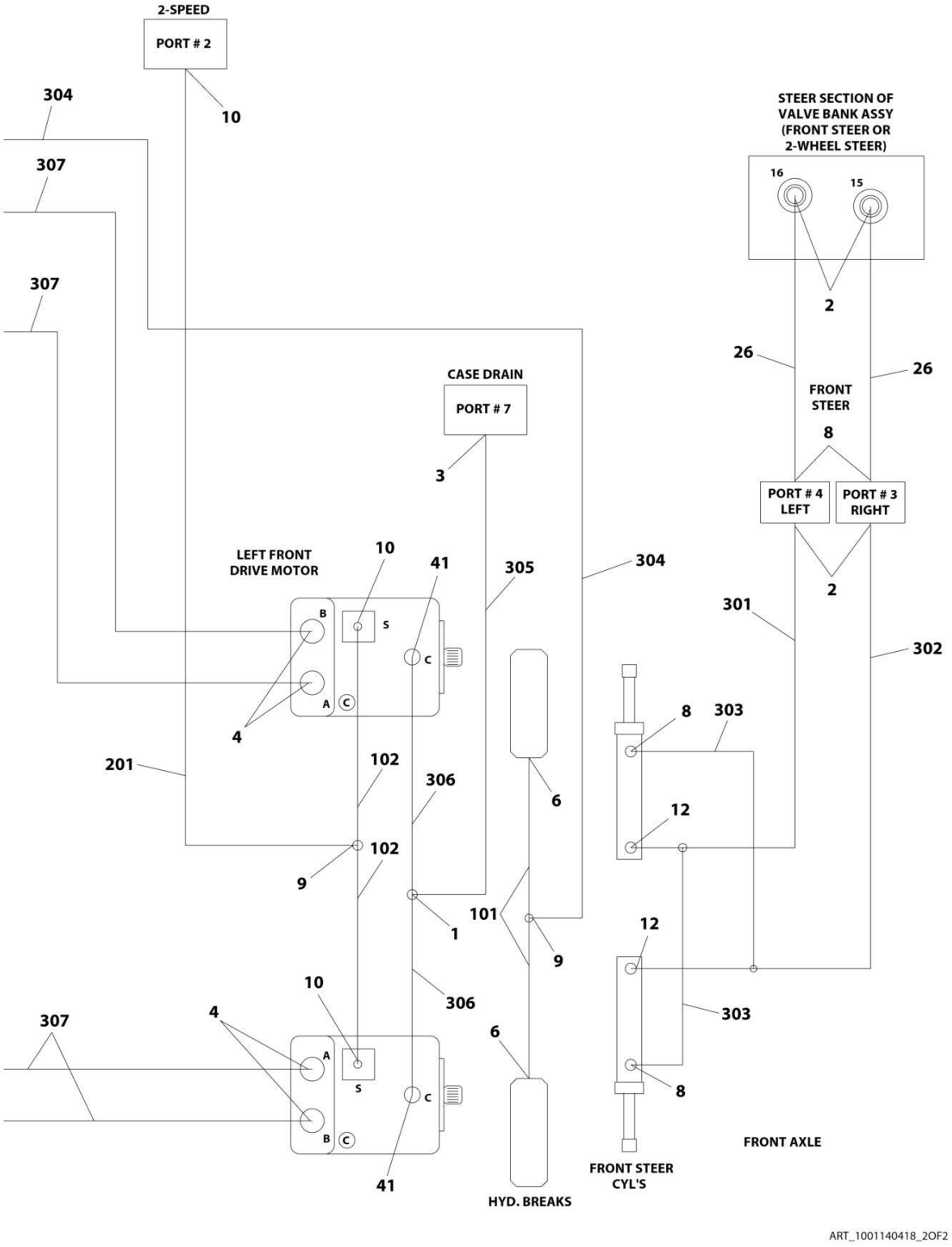
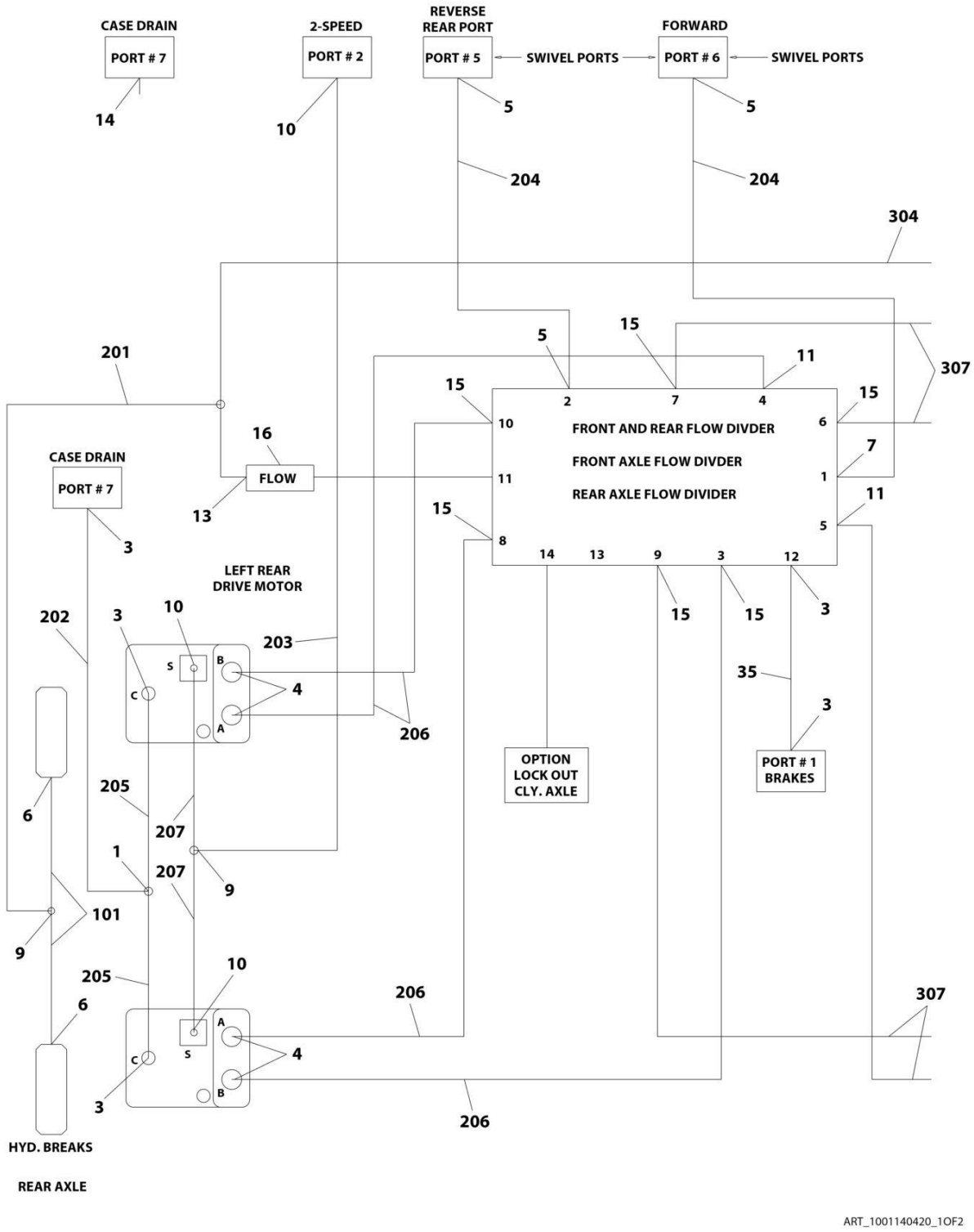

2-SPEED
PORT # 2
10
304
307
307
STEER SECTION OF
VALVE BANK ASSY
(FRONT STEER OR
2-WHEEL STEER)
16
15
2
26
26
FRONT
STEER
8
PORT # 4
LEFT
PORT # 3
RIGHT
2
CASE DRAIN
PORT # 7
3
LEFT FRONT
DRIVE MOTOR
10
41
305
304
301
302
B
S
C
A
C
4
8
303
201
102
306
6
12
102
9
1
101
9
12
10
306
303
4
307
A
S
C
6
8
B
C
41
FRONT AXLE
FRONT STEER
CYL'S
HYD. BREAKS
ART_1001140418_2OF2

FIGURE 7-1. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001140418	Ref	DRIVE HYDRAULIC DIAGRAM - 4WD/2WS	E
1	2220362	2	Fitting, Tee JIC/JIC/JIC	
2	2220371	4	Fitting, Straight JIC/ORB	
3	2220373	12	Fitting, Straight JIC/ORB	
4	2220375	8	Fitting, Straight JIC/ORB	
5	2220377	3	Fitting, Straight JIC/ORB	
6	2220415	4	Fitting, Straight JIC/ORB	
7	2220646	1	Fitting, 90 JIC/ORB	
8	2220473	4	Fitting, 90 JIC/ORB	
9	2220504	4	Fitting, Tee JIC/JIC/JIC	
10	2220582	6	Fitting, Straight JIC/ORB	
11	2220596	2	Fitting, 90 JIC/ORB	
12	2220606	2	Fitting, Tee JIC/ORB/JIC	
13	2220861	1	Fitting, Tee JIC/FSJIC/JIC	
14	2220237	1	Fitting, Plug ORB	
16	4641284	1	Valve, Check	
26	2752620	2	Hose	
35	2753929	1	Hose	
41	2220474	2	Fitting, 90 JIC/ORB	
100	1001269814	1	Hose Assembly - Axle Kit	
101	2753926	2	Hose	
102	1001140451	2	Hose	
103	1001152527	2	Hose	
200	1001269815	1	Hose Assembly - Rear Kit	
201	2752592	1	Hose	
202	2752910	1	Hose	
203	2752928	1	Hose	
204	2753924	1	Hose	
205	2754227	2	Hose	
206	1001140449	2	Hose	
207	1001151358	4	Hose	
208	1001152527	2	Hose	
300	1001269816	1	Hose Assembly - Front Kit	
301	2752475	1	Hose	
302	2752611	1	Hose	
303	2753397	2	Hose	
304	2754229	1	Hose	
305	2754231	1	Hose	
306	1001140455	2	Hose	
307	1001152491	4	Hose	

FIGURE 7-2. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS WITH ARCTIC PACKAGE



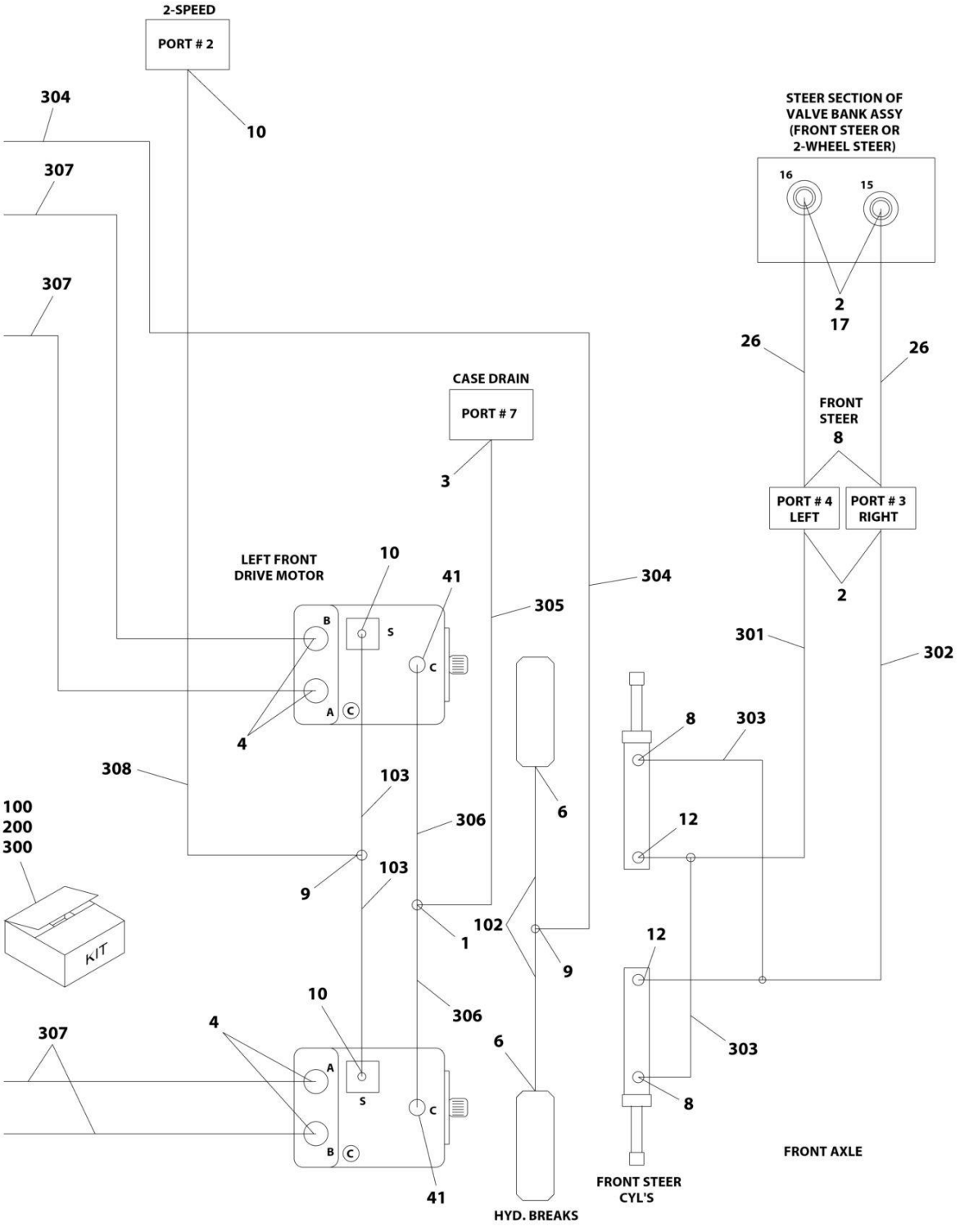

2-SPEED
PORT # 2
10
304
307
307
STEER SECTION OF VALVE BANK ASSY (FRONT STEER OR 2-WHEEL STEER)
16
15
2
17
26
26
FRONT STEER
8
PORT # 4 LEFT
PORT # 3 RIGHT
2
CASE DRAIN
PORT # 7
3
LEFT FRONT DRIVE MOTOR
10
41
304
305
B
S
C
A
C
4
301
302
8
303
308
103
306
6
12
100
200
300
KIT
9
103
102
1
9
12
10
306
303
4
307
6
A
S
C
8
B
C
41
FRONT AXLE
FRONT STEER CYL'S
HYD. BREAKS
ART_1001140420_2OF2

FIGURE 7-2. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001140420	Ref	DRIVE HYDRAULIC DIAGRAM - 4WD/2WS	E
1	2220362	2	Fitting, Tee JIC/JIC/JIC	
2	2220371	4	Fitting, Straight JIC/ORB	
3	2220373	6	Fitting, Straight JIC/ORB	
4	2220375	8	Fitting, Straight JIC/ORB	
5	2220377	3	Fitting, Straight JIC/ORB	
6	2220415	4	Fitting, Straight JIC/ORB	
7	2220646	1	Fitting, 90 JIC/ORB	
8	2220473	4	Fitting, 90 JIC/ORB	
9	2220504	4	Fitting, Tee JIC/JIC/JIC	
10	2220582	6	Fitting, Straight JIC/ORB	
11	2220596	2	Fitting, 90 JIC/ORB	
12	2220606	2	Fitting, Tee JIC/ORB/JIC	
13	2220861	1	Fitting, Tee JIC/FSJIC/JIC	
14	2220237	1	Fitting, Plug ORB	
15	2220500	6	Fitting, 45 JIC/ORB	
16	4641284	1	Valve, Check	
17	2220507	2	Fitting, 90	
26	2752620	2	Hose	
35	2752929	1	Hose	
41	2220474	2	Fitting, 90 JIC/ORB	
100	1001269817	1	Hose Assembly - Axle Kit	
101	2752592	2	Hose	
102	2754731	2	Hose	
103	1001140456	2	Hose	
200	1001269818	1	Hose Assembly - Rear Kit	
201	2752910	1	Hose	
202	2752928	1	Hose	
203	2753924	1	Hose	
204	2754227	2	Hose	
205	1001140449	2	Hose	
206	1001151358	4	Hose	
207	1001152527	2	Hose	
300	1001269819	1	Hose Assembly - Front Kit	
301	2752475	1	Hose	
302	2752611	1	Hose	
303	2753397	2	Hose	
304	2754229	1	Hose	
305	2754231	1	Hose	
306	1001140458	2	Hose	
307	1001152499	4	Hose	
308	1001152527	1	Hose	

FIGURE 7-3. FLUSHING LOOP HYDRAULIC INSTALLATION - 4WD

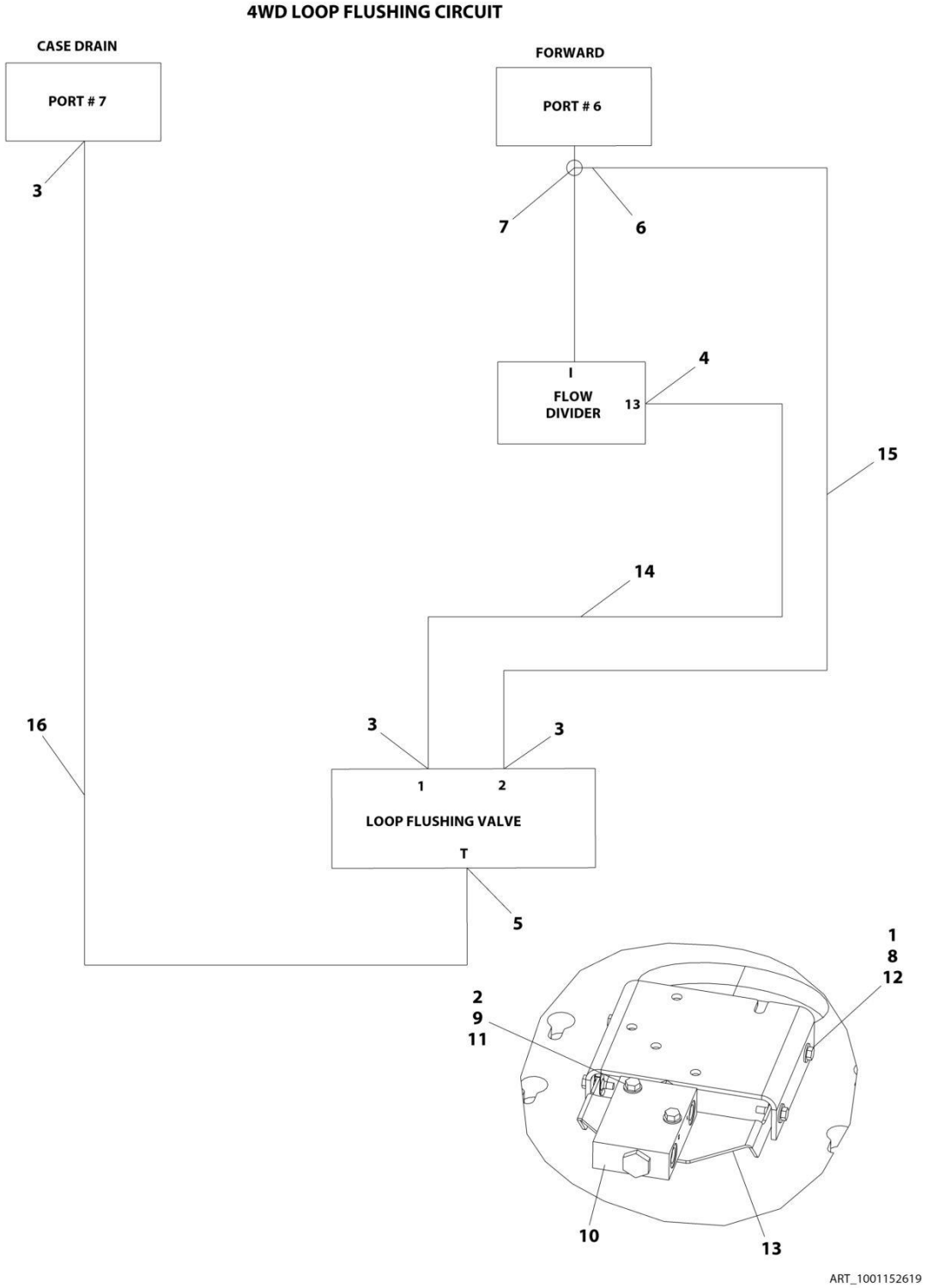
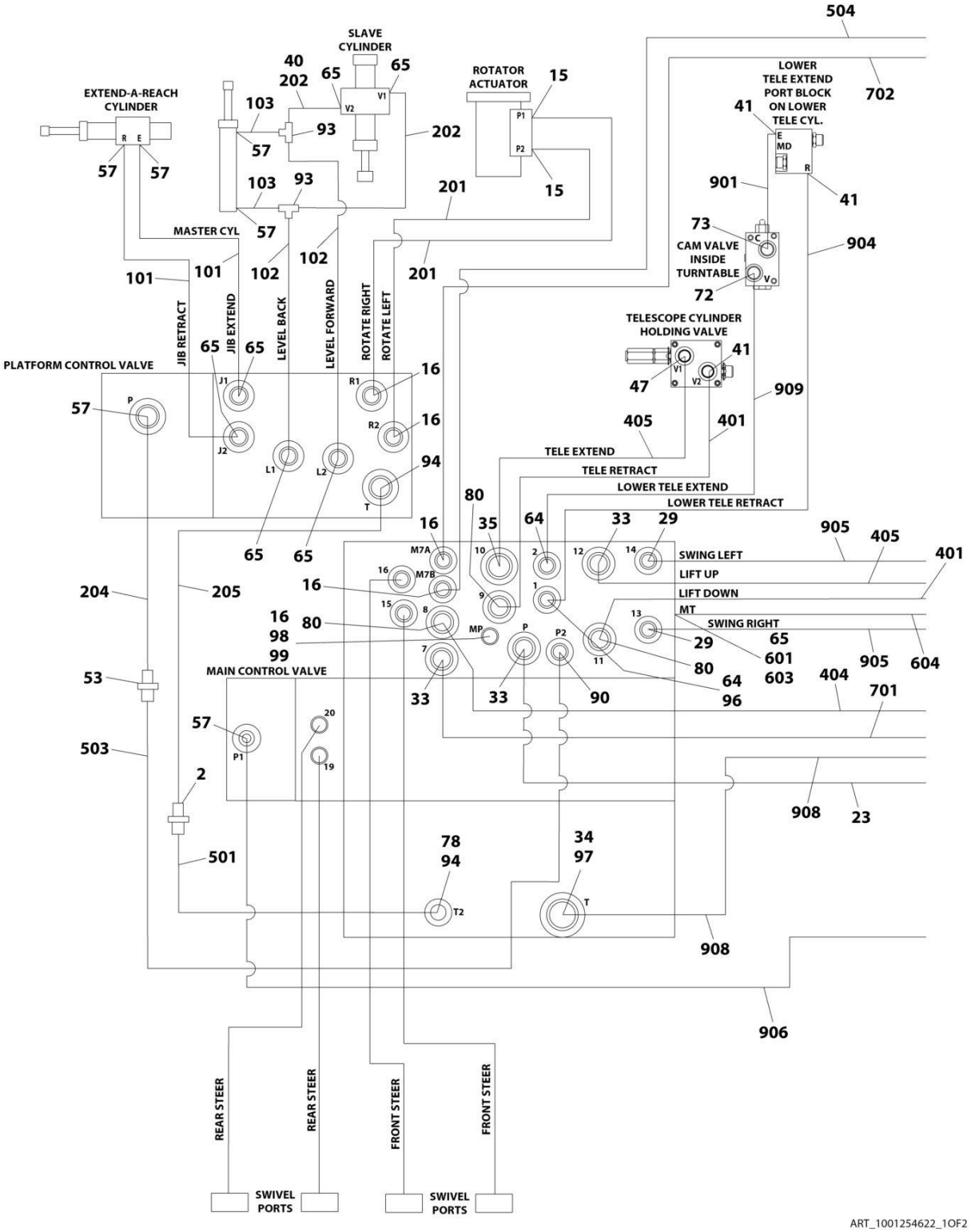


FIGURE 7-3. FLUSHING LOOP HYDRAULIC INSTALLATION - 4WD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152619	Ref	FLUSHING LOOP HYDRAULIC INSTALLATION - 4WD	C
1	0641408	4	Bolt 1/4 x 1	
2	0641516	2	Bolt 5/16 x 2	
3	2220371	3	Fitting, Straight JIC/ORB	
4	2220372	1	Fitting, Straight JIC/ORB	
5	2220473	1	Fitting, 90 JIC/ORB	
6	2220623	1	Fitting, Straight JIC/FSJIC	
7	2221026	1	Fitting, Tee JIC/ORB/JIC	
8	3300454	4	Nut 1/4	
9	3311505	2	Nut 5/16	
10	1001224927	1	Valve, Flushing Loop	
10	7024881	1	Piston, Pilot	
10	7021639	2	Cartridge, Check Valve	
10	2900756	2	Seal Kit - 7021639 Valve	
11	4711500	4	Washer 5/16	
12	4751400	4	Washer 1/4	
13	1001150612	1	Bracket14	
14	1001152635	1	Hose	
15	1001152636	1	Hose	
16	1001152637	1	Hose	

FIGURE 7-4. HYDRAULIC DIAGRAM - STANDARD (DEUTZ D2011 ENGINE)



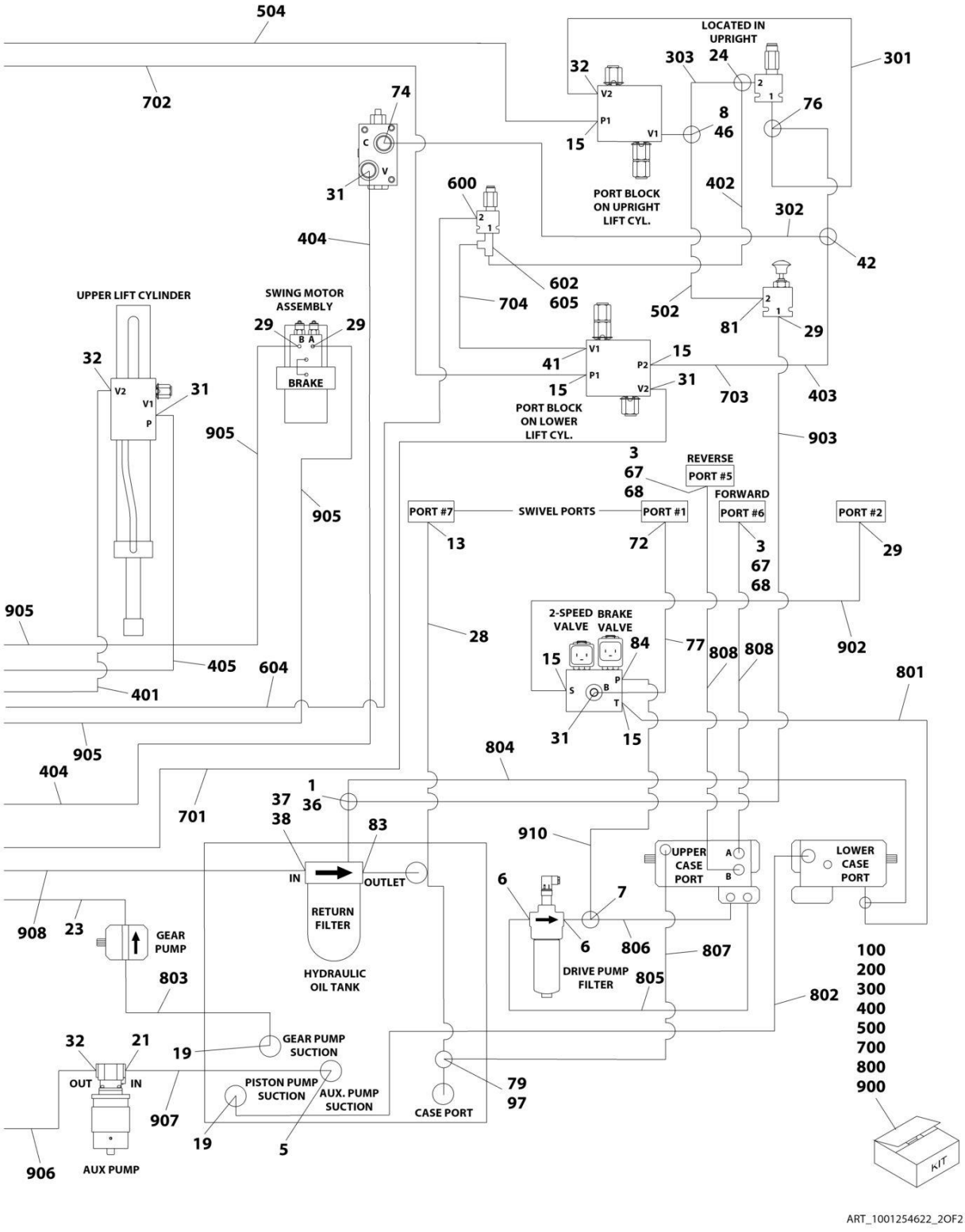

504
702
74
31
LOCATED IN UPRIGHT
303
24
301
32
V2
P1
V1
15
8
46
76
PORT BLOCK ON UPRIGHT LIFT CYL.
600
402
302
404
42
602
605
704
502
81
29
UPPER LIFT CYLINDER
SWING MOTOR ASSEMBLY
29
29
B A
BRAKE
32
V2
V1
P
31
41
P1
P2
V2
15
15
31
703
403
PORT BLOCK ON LOWER LIFT CYL.
905
903
3
67
68
REVERSE
PORT #5
FORWARD
PORT #6
PORT #7
SWIVEL PORTS
PORT #1
PORT #2
905
13
72
3
67
68
29
905
28
2-SPEED VALVE
BRAKE VALVE
84
77
808
808
902
801
15
S
B
P
T
31
15
405
604
401
905
804
404
701
1
37
36
38
83
910
IN
OUTLET
RETURN FILTER
HYDRAULIC OIL TANK
UPPER CASE PORT
A
B
LOWER CASE PORT
908
23
GEAR PUMP
803
6
7
6
806
807
DRIVE PUMP FILTER
805
802
100
200
300
400
500
700
800
900
KIT
32
21
19
GEAR PUMP SUCTION
OUT
IN
PISTON PUMP SUCTION
AUX. PUMP SUCTION
CASE PORT
79
97
907
19
5
906
AUX PUMP
ART_1001254622_2OF2

FIGURE 7-4. HYDRAULIC DIAGRAM - STANDARD (DEUTZ D2011 ENGINE)

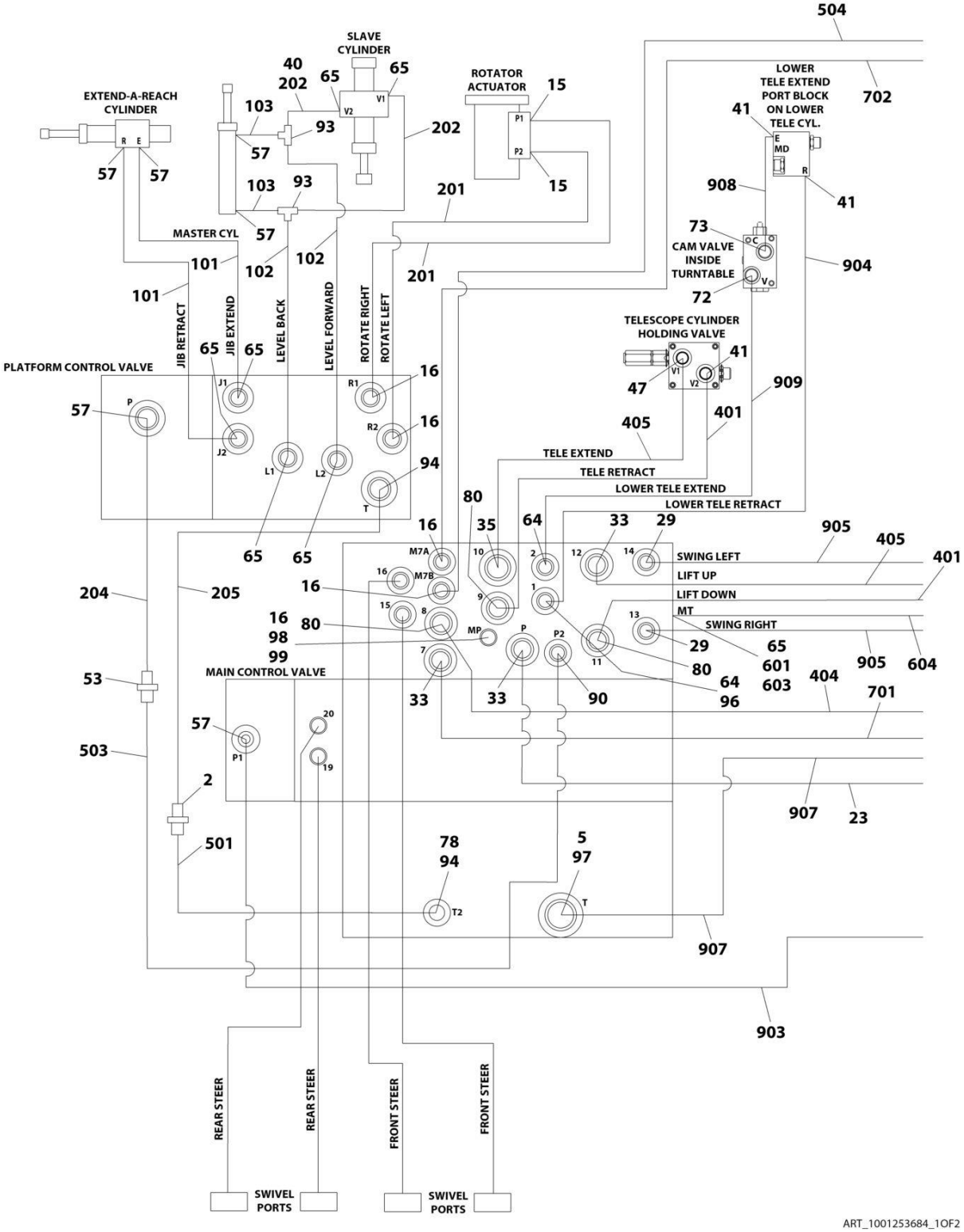
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254622	Ref	HYDRAULIC DIAGRAM - STANDARD	E
1	2220605	1	Fitting, Tee JIC/FSJIC/JIC	
2	2220512	1	Fitting, Straight JIC/JIC	
3	2220377	2	Fitting, Straight JIC/ORB	
5	2220578	1	Fitting, 90 JIC/ORB	
6	2221042	2	Fitting, 90 JIC/ORB	
7	2220948	1	Fitting, Tee JIC/FSJIC/JIC	
8	2220618	1	Fitting, Straight JIC/FSJIC	
13	2220375	1	Fitting, Straight JIC/ORB	
15	2220466	7	Fitting, 90 JIC/ORB	
16	2220415	5	Fitting, Straight JIC/ORB	
19	2220379	2	Fitting, Straight JIC/ORB	
21	2220567	1	Fitting, 90 JIC/ORB	
23	2752929	1	Hose	
24	2220602	1	Fitting, Tee JIC/ORB/JIC	
28	2753968	1	Hose	
29	2220582	6	Fitting, Straight JIC/ORB	
31	2220596	4	Fitting, 90 JIC/ORB	
32	2220628	3	Fitting, 90 JIC/ORB	
33	2220381	3	Fitting, Straight JIC/ORB	
34	2220451	1	Fitting, Straight JIC/ORB	
35	2220374	1	Fitting, Straight JIC/ORB	
36	2220574	1	Fitting, Straight JIC/NPTF	
37	2220921	1	Fitting, Straight FORB/ORB	
38	2220498	1	Fitting, 45 JIC/ORB	
40	1001257430	1	Cover, Hose Wrap	
41	2220372	4	Fitting, Straight JIC/ORB	
42	2221065	1	Fitting, Tee JIC/FSJIC/JIC	
46	2220999	1	Fitting, Tee JIC/ORB/JIC	
47	2220500	1	Fitting, 45 JIC/ORB	
53	2220511	1	Fitting, Straight JIC/JIC	
57	2220473	6	Fitting, 90 JIC/ORB	
64	2220998	2	Fitting, Straight JIC/ORB	
65	2220603	7	Fitting, Straight JIC/ORB	
67	0100011	AR	Compound, Locking	
68	0100038	AR	Primer, Locking	
69	1703534	2	Decal - Hose Tags (Not Shown)	
72	2220373	2	Fitting, Straight JIC/ORB	
73	2220947	1	Fitting, Straight JIC/ORB	
74	2221036	1	Fitting, 90 JIC/ORB	
76	2221053	1	Fitting, Tee JIC/ORB/JIC	
77	2752519	1	Hose	
78	2220386	1	Fitting, 90 JIC/FSJIC	
79	2220738	1	Fitting, Tee JIC/ORB/JIC	
80	1001104423	3	Fitting, Straight JIC/ORB	
81	2220472	1	Fitting, 90 JIC/ORB	
83	2220893	1	Fitting, Straight ORB/ORB	
84	2220474	1	Fitting, 90 JIC/ORB	
90	80233041	1	Valve, Check	
93	2220490	2	Fitting, Tee JIC/JIC/JIC	

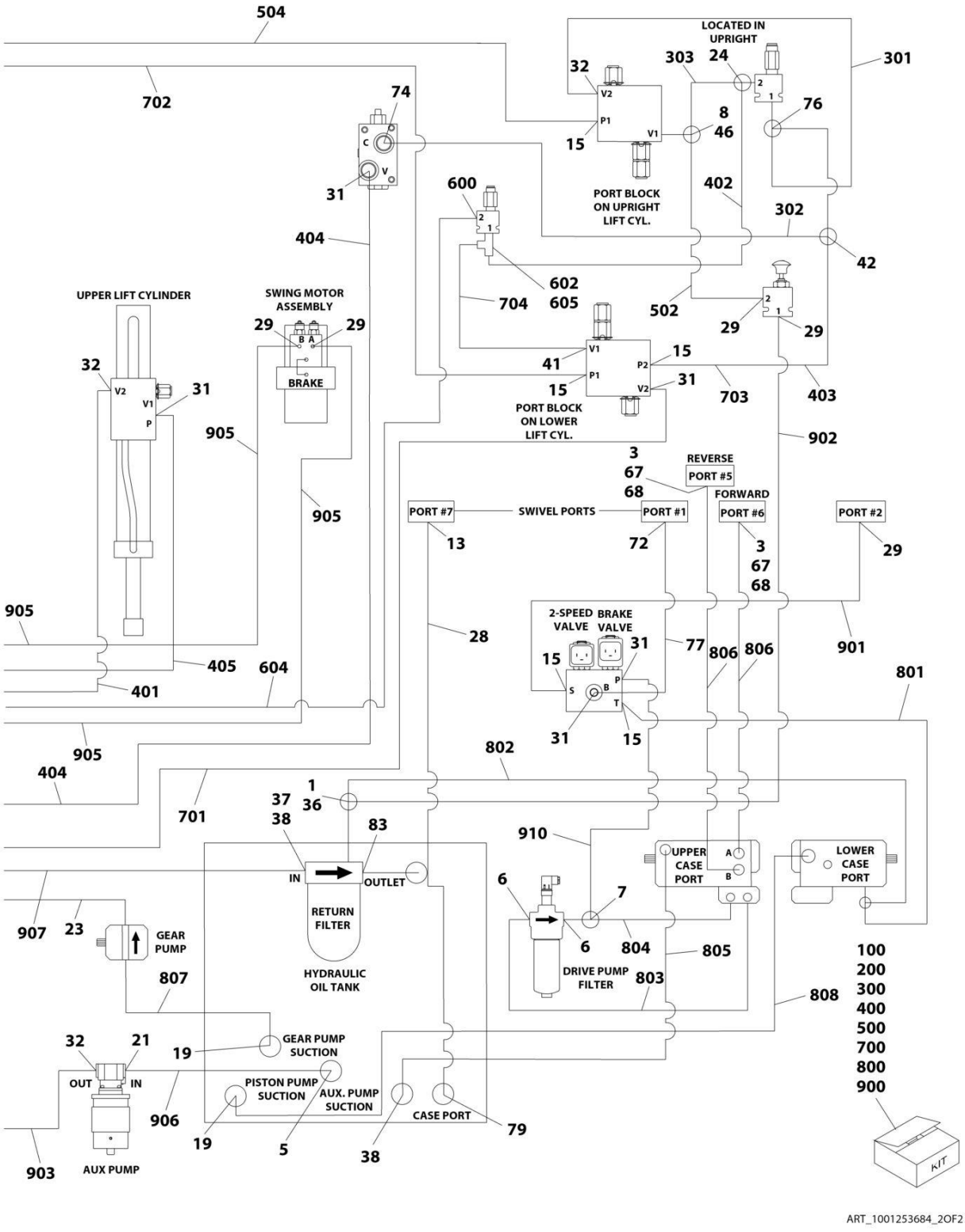
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
94	2220600	2	Fitting, Straight JIC/ORB	
96	2220657	1	Fitting, 45 JIC/FSJIC	
97	2220409	2	Fitting, 45 JIC/FSJIC	
98	2752995	1	Hose	
99	91143177	1	Fitting, Test	
100	1001254955	1	Hose, Kit (Upper)	
101	1001155672	2	Hose	
102	1001155673	2	Hose	
103	1001254948	2	Hose	
200	1001254954	1	Hose, Kit (Upper)	
201	1001155669	2	Hose	
202	1001119602	2	Hose	
204	1001254949	1	Hose	
205	1001254950	1	Hose	
300	1001255599	1	Hose, Kit (Lower)	
301	2752462	1	Hose	
302	2753134	1	Hose	
303	2752497	2	Hose	
400	1001272631	1	Hose, Kit (Lower)	
401	2753055	2	Hose	
402	1001271833	1	Hose	
403	2752991	1	Hose	
404	2753135	1	Hose	
405	2752939	2	Hose	
500	1001212515	1	Hose, Kit (Lower)	
501	1001161036	1	Hose	
502	2752990	1	Hose	
503	1001161030	1	Hose	
504	2752987	1	Hose	
600	2220371	1	Fitting, Straight JIC/ORB	
601	2220516	1	Fitting, Cap FJIC	
602	2220606	1	Fitting, Tee JIC/ORB/JIC	
603	2220635	1	Fitting, Tee JIC/FSJIC/JIC	
604	1001271835	1	Hose	
605	8760268	1	Fitting, 90 JIC/FSJIC	
700	1001274367	1	Hose, Kit (Turntable)	
701	2752506	1	Hose	
702	2752593	1	Hose	
703	2752985	1	Hose	
704	1001271832	1	Hose	
800	1001269809	1	Hose, Kit (Turntable E/S)	
801	2752573	1	Hose	
802	2752723	1	Hose	
803	2752724	1	Hose	
804	2753390	1	Hose	
805	2754329	1	Hose	
806	2754330	1	Hose	
807	1001093549	1	Hose	
808	1001150715	2	Hose	
900	1001269810	1	Hose, Kit (Turntable T/S)	
901	2753132	1	Hose	

SECTION 7 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
902	2751396	1	Hose	
903	2752453	1	Hose	
904	2752484	1	Hose	
905	2752600	2	Hose	
906	2752635	1	Hose	
907	2752656	1	Hose	
908	2752783	1	Hose	
909	2753133	1	Hose	
910	2754328	1	Hose	

FIGURE 7-5. HYDRAULIC DIAGRAM - STANDARD (DEUTZ TD2.9L4 & DEUTZ TD2.2L3 STAGE V ENGINES)





ART_1001253684_2OF2

FIGURE 7-5. HYDRAULIC DIAGRAM - STANDARD (DEUTZ TD2.9L4 & DEUTZ TD2.2L3 STAGE V ENGINES)

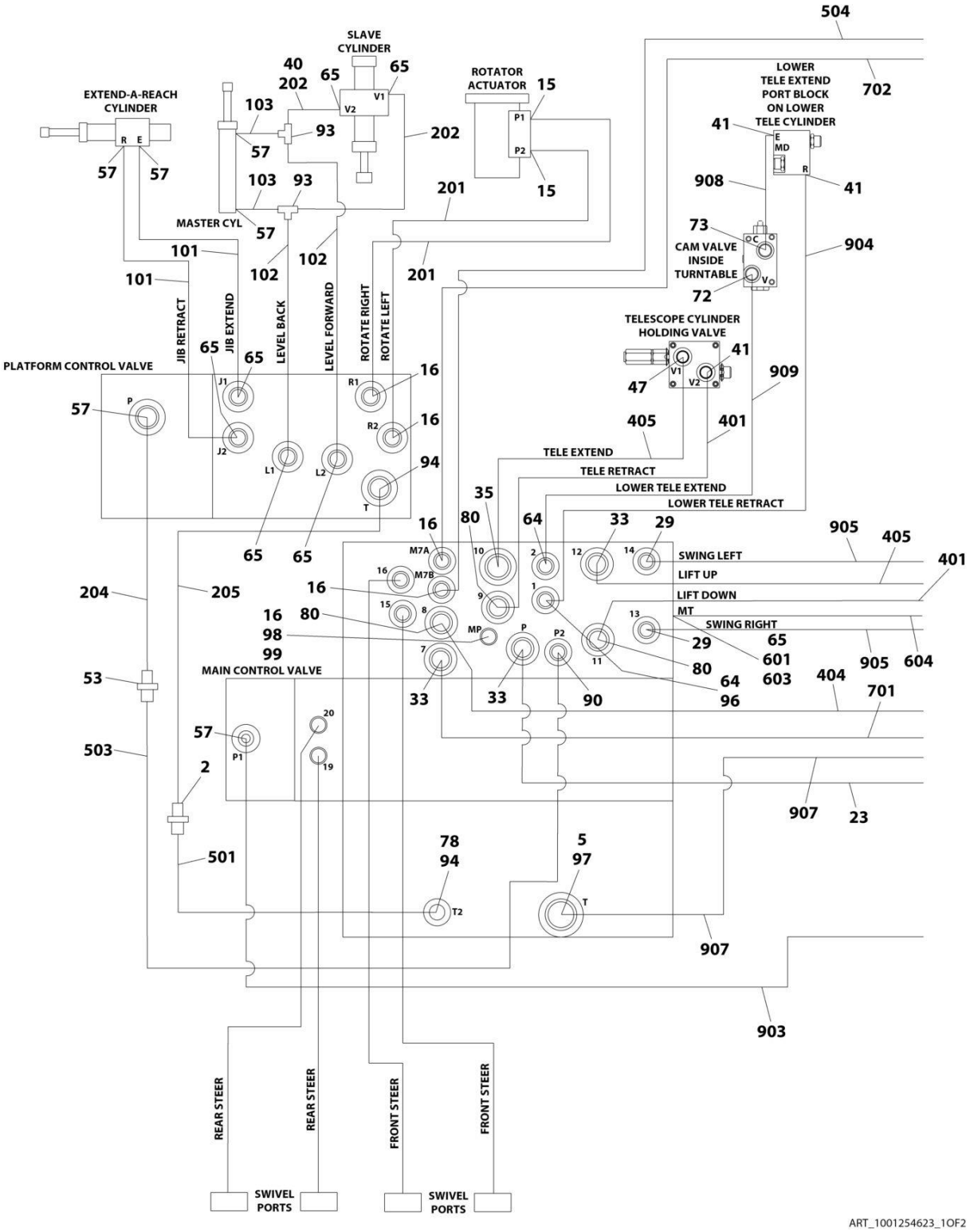
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253684	Ref	HYDRAULIC DIAGRAM - STANDARD	F
1	2220605	1	Fitting, Tee JIC/FSJIC/JIC	
2	2220512	1	Fitting, Straight JIC/JIC	
3	2220377	2	Fitting, Straight JIC/ORB	
5	2220451	1	Fitting, Straight JIC/ORB	
6	2221042	2	Fitting, 90 JIC/ORB	
7	2220948	1	Fitting, Tee JIC/FSJIC/JIC	
8	2220618	1	Fitting, Straight JIC/FSJIC	
13	2220375	1	Fitting, Straight JIC/ORB	
15	2220466	7	Fitting, 90 JIC/ORB	
16	2220415	4	Fitting, Straight JIC/ORB	
19	2220379	2	Fitting, Straight JIC/ORB	
21	2220567	1	Fitting, 90 JIC/ORB	
23	2752929	1	Hose	
24	2220602	1	Fitting, Tee JIC/ORB/JIC	
28	2753968	1	Hose	
29	2220582	7	Fitting, Straight JIC/ORB	
31	2220596	5	Fitting, 90 JIC/ORB	
32	2220628	3	Fitting, 90 JIC/ORB	
33	2220381	3	Fitting, Straight JIC/ORB	
35	2220374	1	Fitting, Straight JIC/ORB	
36	2220574	1	Fitting, Straight JIC/NPTF	
37	2220921	1	Fitting, Straight FORB/ORB	
38	2220498	2	Fitting, 45 JIC/ORB	
40	1001257430	1	Cover, Hose Wrap	
41	2220372	4	Fitting, Straight JIC/ORB	
42	2221065	1	Fitting, Tee JIC/FSJIC/JIC	
46	2220999	1	Fitting, Tee JIC/ORB/JIC	
47	2220500	1	Fitting, 45 JIC/ORB	
53	2220511	1	Fitting, Straight JIC/JIC	
57	2220473	6	Fitting, 90 JIC/ORB	
64	2220998	2	Fitting, Straight JIC/ORB	
65	2220603	7	Fitting, Straight JIC/ORB	
67	0100011	AR	Compound, Locking	
68	0100038	AR	Primer, Locking	
69	1703534	2	Decal - Hose Tags (Not Shown)	
72	2220373	1	Fitting, Straight JIC/ORB	
73	2220947	1	Fitting, Straight JIC/ORB	
74	2221036	1	Fitting, 90 JIC/ORB	
76	2221053	1	Fitting, Tee JIC/ORB/JIC	
77	2752519	1	Hose	
78	2220386	1	Fitting, 90 JIC/FSJIC	
79	2220578	1	Fitting, 90 JIC/ORB	
80	1001104423	3	Fitting, Straight JIC/ORB	
83	2220893	1	Fitting, Straight ORB/ORB	
90	80233041	1	Valve, Check	
93	2220490	2	Fitting, Tee JIC/JIC/JIC	
94	2220600	2	Fitting, Straight JIC/ORB	
96	2220657	1	Fitting, 45 JIC/FSJIC	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
97	2220409	1	Fitting, 45 JIC/FSJIC	
98	2752995	1	Hose	
99	91143177	1	Fitting, Test	
100	1001254955	1	Hose, Kit (Upper)	
101	1001155672	2	Hose	
102	1001155673	2	Hose	
103	1001254948	2	Hose	
200	1001254954	1	Hose, Kit (Upper)	
201	1001155669	2	Hose	
202	1001119602	2	Hose	
204	1001254949	1	Hose	
205	1001254950	1	Hose	
300	1001255599	1	Hose, Kit (Lower)	
301	2752462	1	Hose	
302	2753134	1	Hose	
303	2752497	1	Hose	
400	1001272631	1	Hose, Kit (Lower)	
401	2753055	2	Hose	
402	1001271833	1	Hose	
403	2752991	1	Hose	
404	2753135	1	Hose	
405	2752939	2	Hose	
500	1001212515	1	Hose, Kit (Lower)	
501	1001161036	1	Hose	
502	2752990	1	Hose	
503	1001161030	1	Hose	
504	2752987	1	Hose	
600	2220371	1	Fitting, Straight JIC/ORB	
601	2220516	1	Fitting, Cap FJIC	
602	2220606	1	Fitting, Tee JIC/ORB/JIC	
603	2220635	1	Fitting, Tee JIC/FSJIC/JIC	
604	1001271835	1	Hose	
605	8760268	1	Fitting, 90 JIC/FSJIC	
700	1001274367	1	Hose, Kit (Turntable)	
701	2752506	1	Hose	
702	2752593	1	Hose	
703	2752985	1	Hose	
704	1001271832	1	Hose	
800	1001269812	1	Hose, Kit (Turntable E/S)	
801	2753002	1	Hose	
802	2753390	1	Hose	
803	2754329	1	Hose	
804	2754330	1	Hose	
805	1001150714	1	Hose	
806	1001150715	2	Hose	
807	1001150718	1	Hose	
808	1001172535	1	Hose	
900	1001269807	1	Hose, Kit (Turntable T/S)	
901	2751396	1	Hose	
902	2752453	1	Hose	
903	2752478	1	Hose	

SECTION 7 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
904	2752484	1	Hose	
905	2752600	2	Hose	
906	2752656	1	Hose	
907	2752783	1	Hose	
908	2753132	1	Hose	
909	2753133	1	Hose	
910	1001150717	1	Hose	

FIGURE 7-6. HYDRAULIC DIAGRAM - STANDARD (FORD ENGINES)



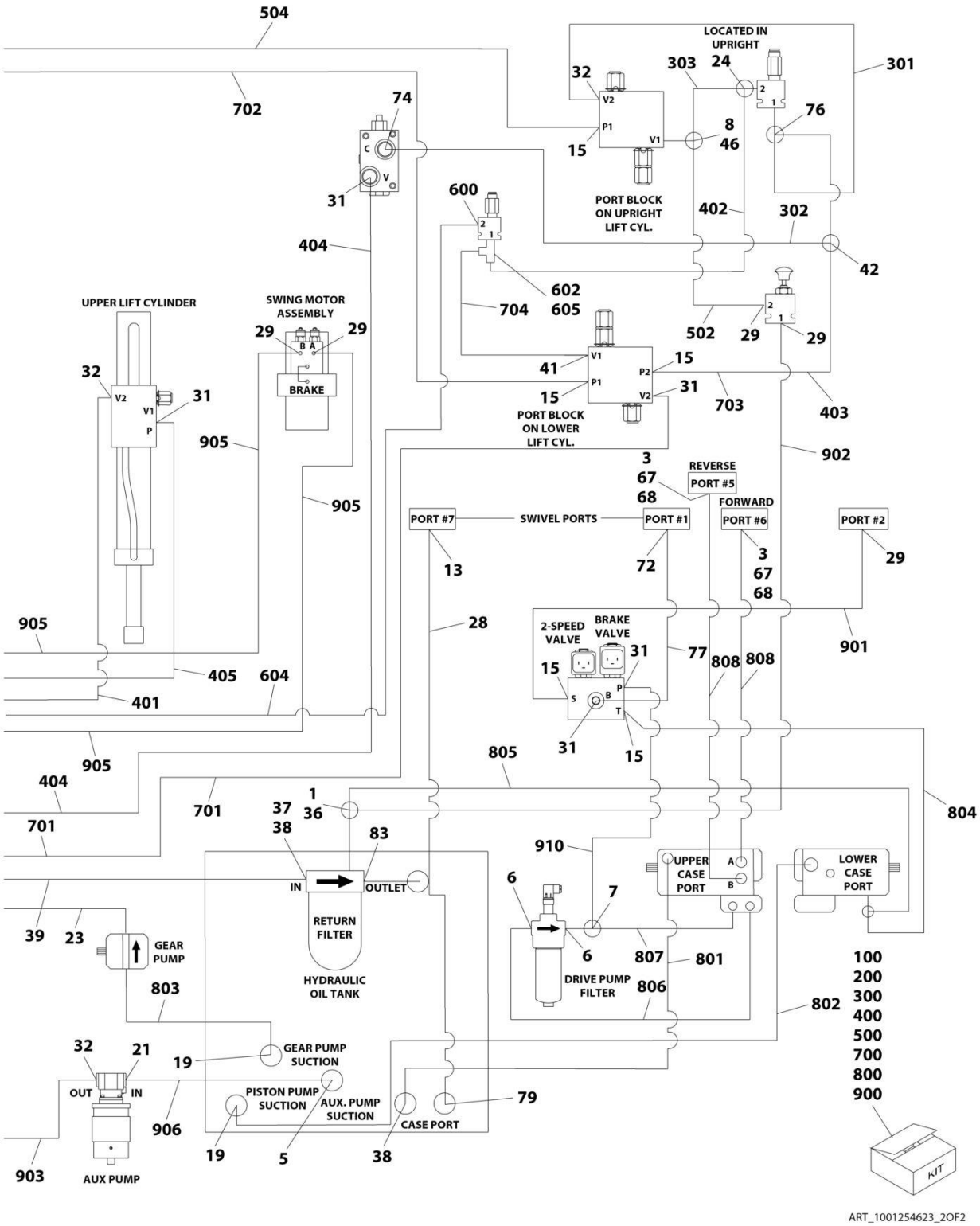

504
702
74
31
LOCATED IN UPRIGHT
303
24
301
32
V2
P1
V1
15
8
46
76
PORT BLOCK ON UPRIGHT LIFT CYL.
600
402
302
404
42
602
605
704
UPPER LIFT CYLINDER
SWING MOTOR ASSEMBLY
29
BRAKE
502
29
29
32
V2
V1
P
31
41
P2
15
31
703
403
PORT BLOCK ON LOWER LIFT CYL.
905
902
3
67
68
REVERSE
PORT #5
FORWARD
PORT #7
SWIVEL PORTS
PORT #1
PORT #6
PORT #2
13
72
3
67
68
29
905
28
2-SPEED VALVE
BRAKE VALVE
31
77
808
808
901
15
S
B
P
T
31
15
405
604
401
905
805
404
701
37
36
1
804
701
38
83
910
IN
OUTLET
UPPER CASE PORT
A
B
LOWER CASE PORT
6
7
39
23
GEAR PUMP
RETURN FILTER
6
807
801
100
200
300
400
500
700
800
900
803
HYDRAULIC OIL TANK
DRIVE PUMP FILTER
806
802
32
21
19
GEAR PUMP SUCTION
OUT
IN
PISTON PUMP SUCTION
AUX. PUMP SUCTION
79
906
CASE PORT
19
5
38
903
AUX PUMP
KIT
ART_1001254623_2OF2

FIGURE 7-6. HYDRAULIC DIAGRAM - STANDARD (FORD ENGINES)

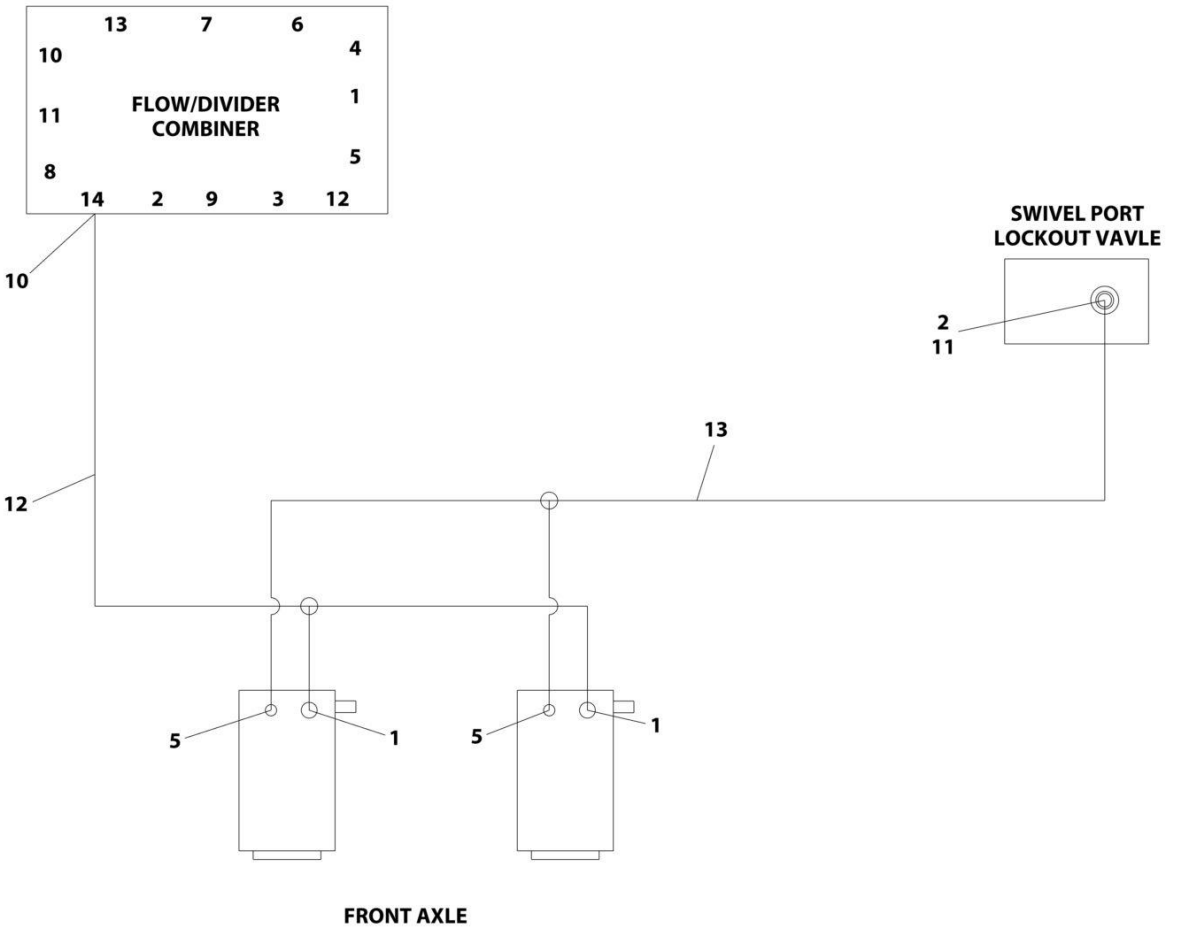
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254623	Ref	HYDRAULIC DIAGRAM - STANDARD	E
1	2220605	1	Fitting, Tee JIC/FSJIC/JIC	
2	2220512	1	Fitting, Straight JIC/JIC	
3	2220377	2	Fitting, Straight JIC/ORB	
5	2220451	2	Fitting, Straight JIC/ORB	
6	2221042	2	Fitting, 90 JIC/ORB	
7	2220948	1	Fitting, Tee JIC/FSJIC/JIC	
8	2220618	1	Fitting, Straight JIC/FSJIC	
13	2220375	1	Fitting, Straight JIC/ORB	
15	2220466	7	Fitting, 90 JIC/ORB	
16	2220415	5	Fitting, Straight JIC/ORB	
19	2220379	2	Fitting, Straight JIC/ORB	
21	2220567	1	Fitting, 90 JIC/ORB	
23	2752929	1	Hose	
24	2220602	1	Fitting, Tee JIC/ORB/JIC	
28	2753968	1	Hose	
29	2220582	7	Fitting, Straight JIC/ORB	
31	2220596	5	Fitting, 90 JIC/ORB	
32	2220628	3	Fitting, 90 JIC/ORB	
33	2220381	3	Fitting, Straight JIC/ORB	
35	2220374	1	Fitting, Straight JIC/ORB	
36	2220574	1	Fitting, Straight JIC/NPTF	
37	2220921	1	Fitting, Straight FORB/ORB	
38	2220498	2	Fitting, 45 JIC/ORB	
40	1001257430	1	Cover, Hose Wrap	
41	2220372	4	Fitting, Straight JIC/ORB	
42	2221065	1	Fitting, Tee JIC/FSJIC/JIC	
46	2220999	1	Fitting, Tee JIC/ORB/JIC	
47	2220500	1	Fitting, 45 JIC/ORB	
53	2220511	1	Fitting, Straight JIC/JIC	
57	2220473	6	Fitting, 90 JIC/ORB	
64	2220998	2	Fitting, Straight JIC/ORB	
65	2220603	7	Fitting, Straight JIC/ORB	
67	0100011	AR	Compound, Locking	
68	0100038	AR	Primer, Locking	
69	1703534	2	Decal - Hose Tags (Not Shown)	
72	2220373	2	Fitting, Straight JIC/ORB	
73	2220947	1	Fitting, Straight JIC/ORB	
74	2221036	1	Fitting, 90 JIC/ORB	
76	2221053	1	Fitting, Tee JIC/ORB/JIC	
77	2752519	1	Hose	
78	2220386	1	Fitting, 90 JIC/FSJIC	
79	2220578	1	Fitting, 90 JIC/ORB	
80	1001104423	3	Fitting, Straight JIC/ORB	
83	2220893	1	Fitting, Straight ORB/ORB	
90	80233041	1	Valve, Check	
93	2220490	2	Fitting, Tee JIC/JIC/JIC	
94	2220600	2	Fitting, Straight JIC/ORB	
96	2220657	1	Fitting, 45 JIC/FSJIC	
97	2220409	2	Fitting, 45 JIC/FSJIC	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
98	2752995	1	Hose	
99	91143177	1	Fitting, Test	
100	1001254955	1	Hose, Kit (Upper)	
101	1001155672	2	Hose	
102	1001155673	2	Hose	
103	1001254948	2	Hose	
200	1001254954	1	Hose, Kit (Upper)	
201	1001155669	2	Hose	
202	1001119602	2	Hose	
204	1001254949	1	Hose	
205	1001254950	1	Hose	
300	1001255599	1	Hose, Kit (Lower)	
301	2752462	1	Hose	
302	2753134	1	Hose	
303	2752497	2	Hose	
400	1001272631	1	Hose, Kit (Lower)	
401	2753055	2	Hose	
402	1001271833	1	Hose	
403	2752991	1	Hose	
404	2753135	1	Hose	
405	2752939	2	Hose	
500	1001212515	1	Hose, Kit (Lower)	
501	1001161036	1	Hose	
502	2752990	1	Hose	
503	1001161030	1	Hose	
504	2752987	1	Hose	
600	2220371	1	Fitting, Straight JIC/ORB	
601	2220516	1	Fitting, Cap FJIC	
602	2220606	1	Fitting, Tee JIC/ORB/JIC	
603	2220635	1	Fitting, Tee JIC/FSJIC/JIC	
604	1001271835	1	Hose	
605	8760268	1	Fitting, 90 JIC/ORB	
700	1001274367	1	Hose, Kit (Turntable)	
701	2752506	1	Hose	
702	2752593	1	Hose	
703	2752985	1	Hose	
704	1001271832	1	Hose	
800	1001269806	1	Hose, Kit (Turntable E/S)	
801	2751362	1	Hose	
802	2752723	1	Hose	
803	2752724	1	Hose	
804	2753000	1	Hose	
805	2753390	1	Hose	
806	2754329	1	Hose	
807	2754330	1	Hose	
808	1001150715	2	Hose	
900	1001269807	1	Hose, Kit (Turntable T/S)	
901	2751396	1	Hose	
902	2752453	1	Hose	
903	2752478	1	Hose	
904	2752484	1	Hose	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
905	2752600	2	Hose	
906	2752656	1	Hose	
907	2752783	1	Hose	
908	2753132	1	Hose	
909	2753133	1	Hose	
910	1001150717	1	Hose	

FIGURE 7-7. HYDRAULIC DIAGRAM - OSCILLATING AXLE



ART_1001151349

FIGURE 7-7. HYDRAULIC DIAGRAM - OSCILLATING AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151349	Ref	AXLE LOCKOUT DIAGRAM - OSCILLATING AXLE	C
1	2220371	2	Fitting, Straight JIC/ORB	
2	2220468	1	Fitting, Straight JIC/ORB	
5	2220415	2	Fitting, Straight JIC/ORB	
10	2220473	1	Fitting, 90 JIC/ORB	
11	2220654	1	Fitting, 90 JIC/FSJIC	
12	1001188890	1	Hose	
13	1001188891	1	Hose	

FIGURE 7-8. HYDRAULIC DIAGRAM - TOW BAR

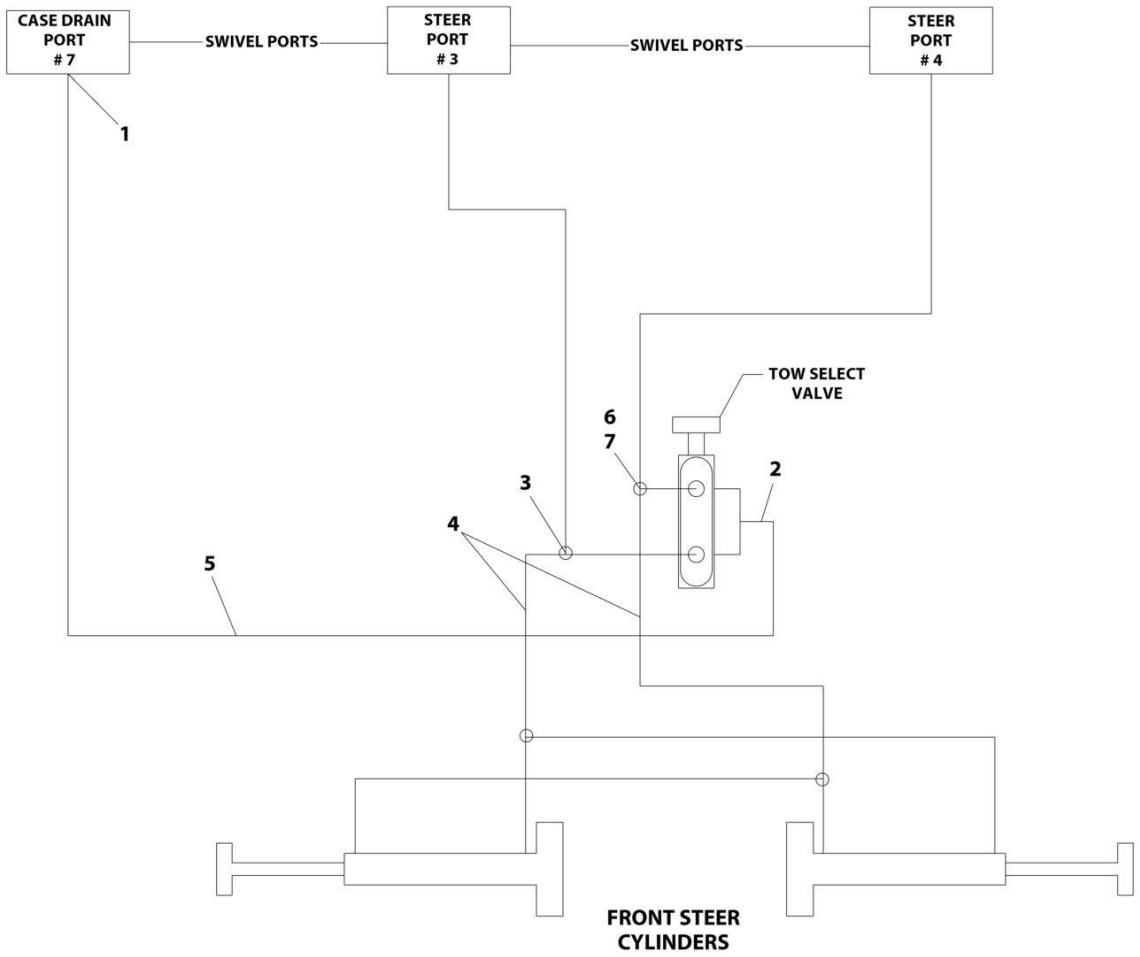


FIGURE 7-8. HYDRAULIC DIAGRAM - TOW BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2792630	Ref	TOW BAR DIAGRAM	C
1	2220473	1	Fitting, 90 JIC/ORB	
2	2220628	1	Fitting, 90 JIC/ORB	
3	2221053	1	Fitting, Tee JIC/ORB/JIC	
4	1001113790	2	Hose	
5	1001113818	1	Hose	
6	2220372	1	Fitting, Straight JIC/ORB	
7	2220635	1	Fitting, Tee JIC/FSJIC/JIC	

SECTION 8 - ELECTRICAL

FIGURE 8-1. AC CABLE CONNECTOR INSTALLATION - 110V/220V (MACHINES NO GENERATOR) (ANSI EXPORT, AUSTRALIAN, CHINA, CE & UK CA SPECS)

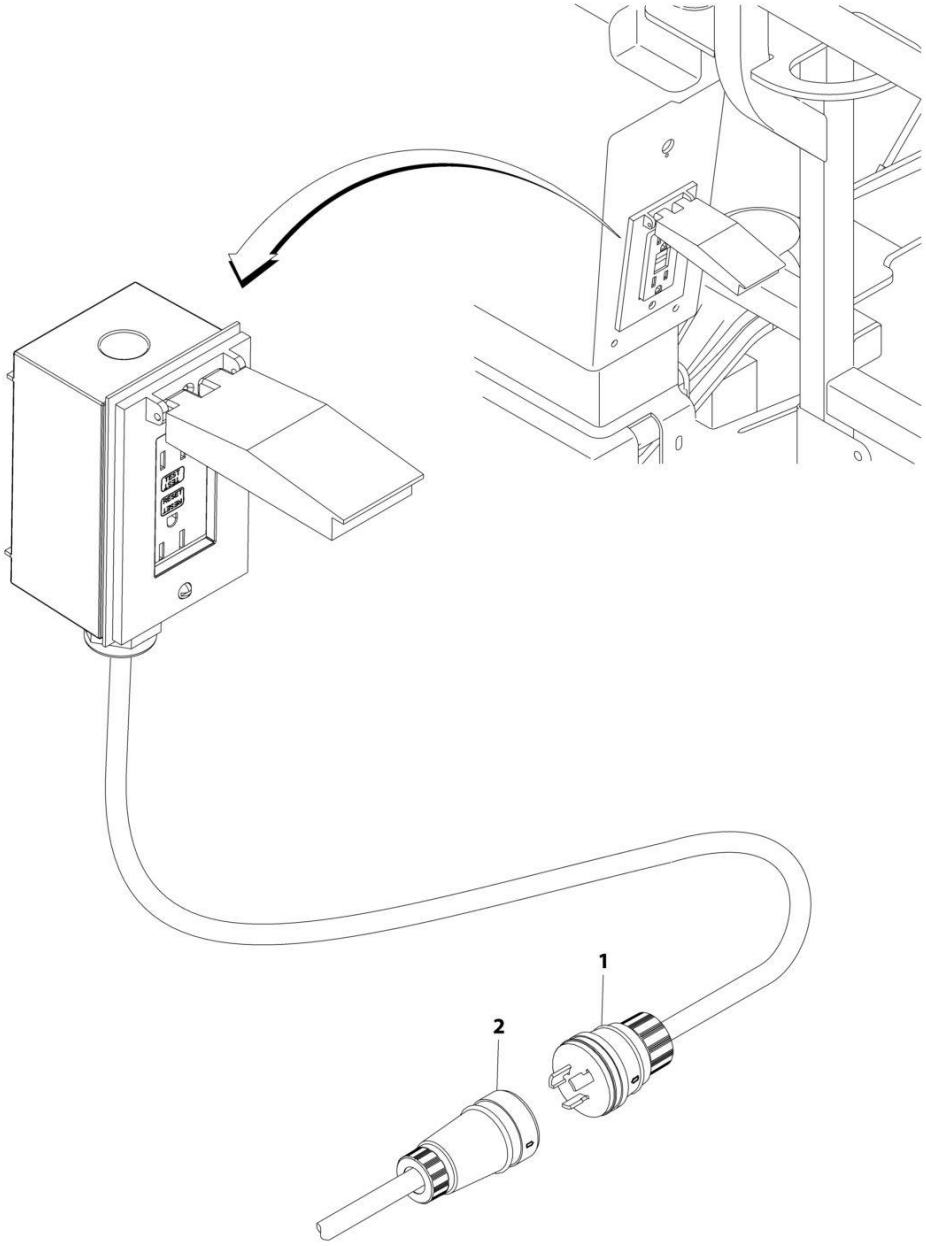


FIGURE 8-1. AC CABLE CONNECTOR INSTALLATION - 110V/220V (MACHINES NO GENERATOR) (ANSI EXPORT, AUSTRALIAN, CHINA, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213655	Ref	AC CABLE INSTALLATION - 110V/220V	A
1	1001214095	1	Plug, Male	
2	1001214096	1	Plug, Female	

FIGURE 8-2. AC CABLE CONNECTOR INSTALLATION – SKYPOWER (MACHINES NO GENERATOR) (ALL SPECS)

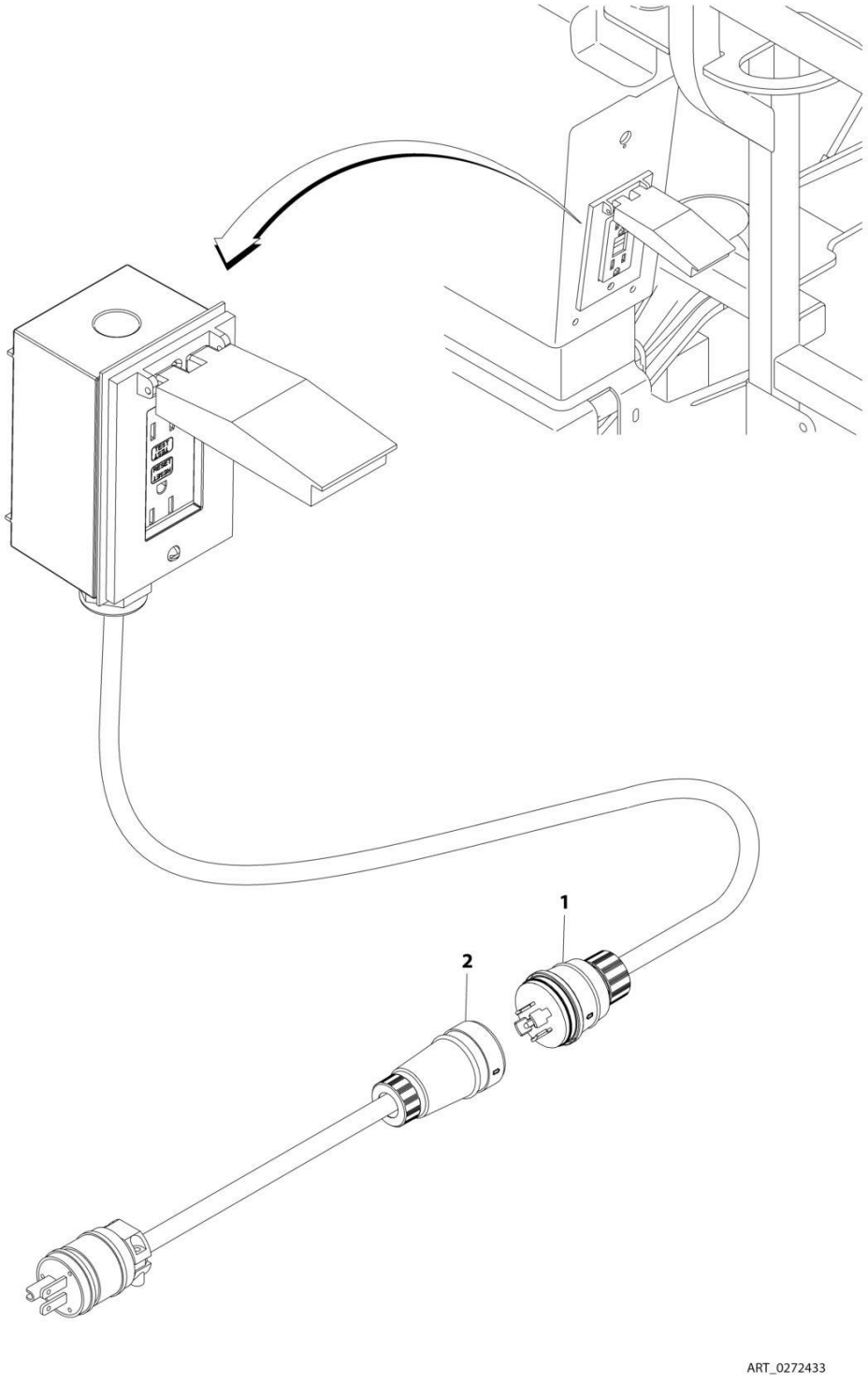


FIGURE 8-2. AC CABLE CONNECTOR INSTALLATION – SKYPOWER (MACHINES NO GENERATOR) (ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272433	Ref	AC CABLE INSTALLATION - 110V/220V	D
1	1001218622	1	Plug, Male	
2	1001218623	1	Plug, Female	

FIGURE 8-3. AC CABLE CONNECTOR INSTALLATION – 4000W GENERATOR (MACHINES NO GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

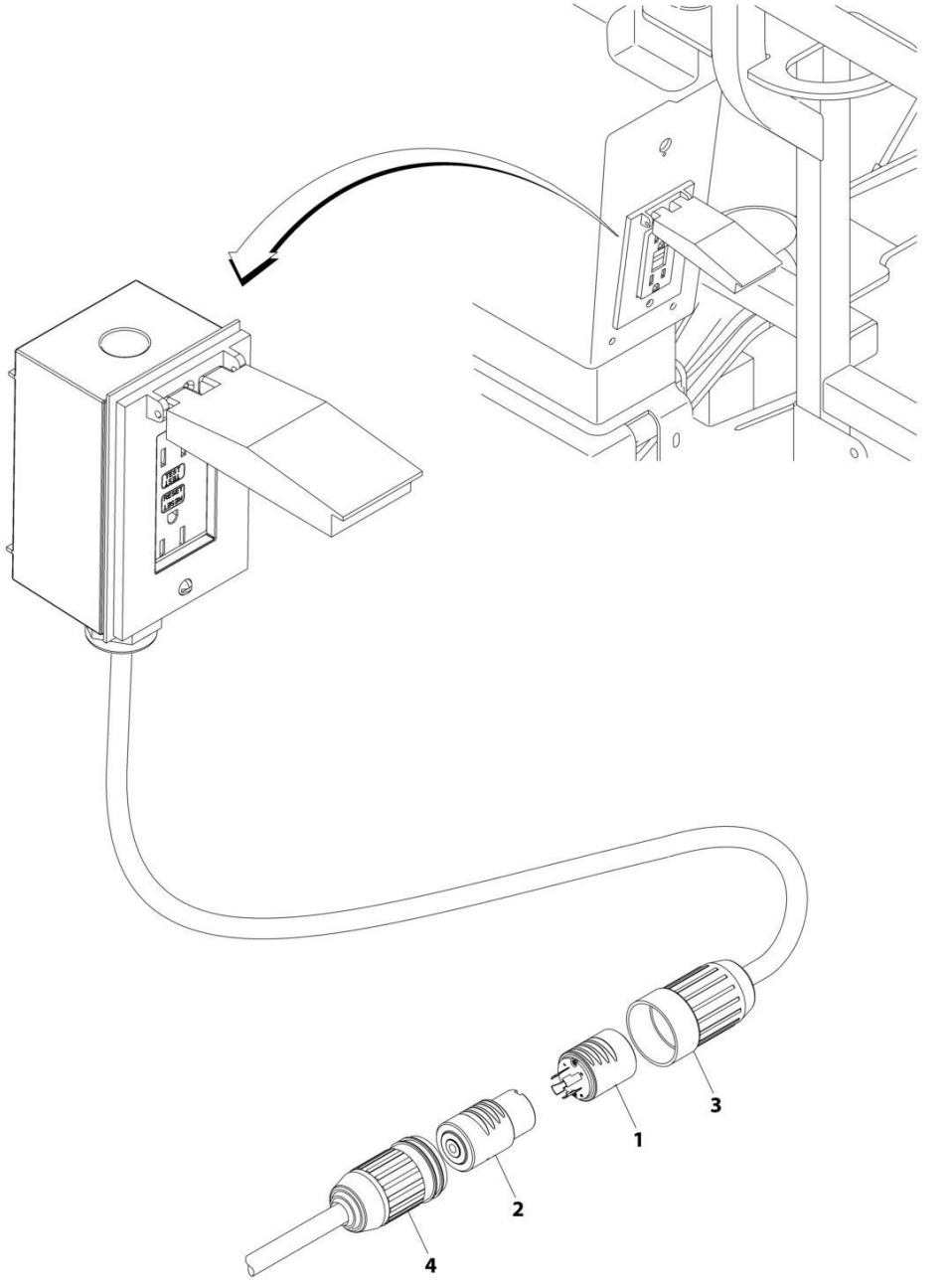


FIGURE 8-3. AC CABLE CONNECTOR INSTALLATION – 4000W GENERATOR (MACHINES NO GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160272	Ref	AC CABLE CONNECTOR INSTALLATION – 4000W GENERATOR	A
1	4460962	1	Plug, Male	
2	4460963	1	Connector	
3	1671092	1	Cover	
4	1671093	1	Plug	

FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V GFI RECEPTACLE (MACHINES WITH 2500W GENERATOR/NO GENERATOR OPTIONS) (ALL SPECS EXCEPT AUSTRALIAN, CE& UK CA SPECS)

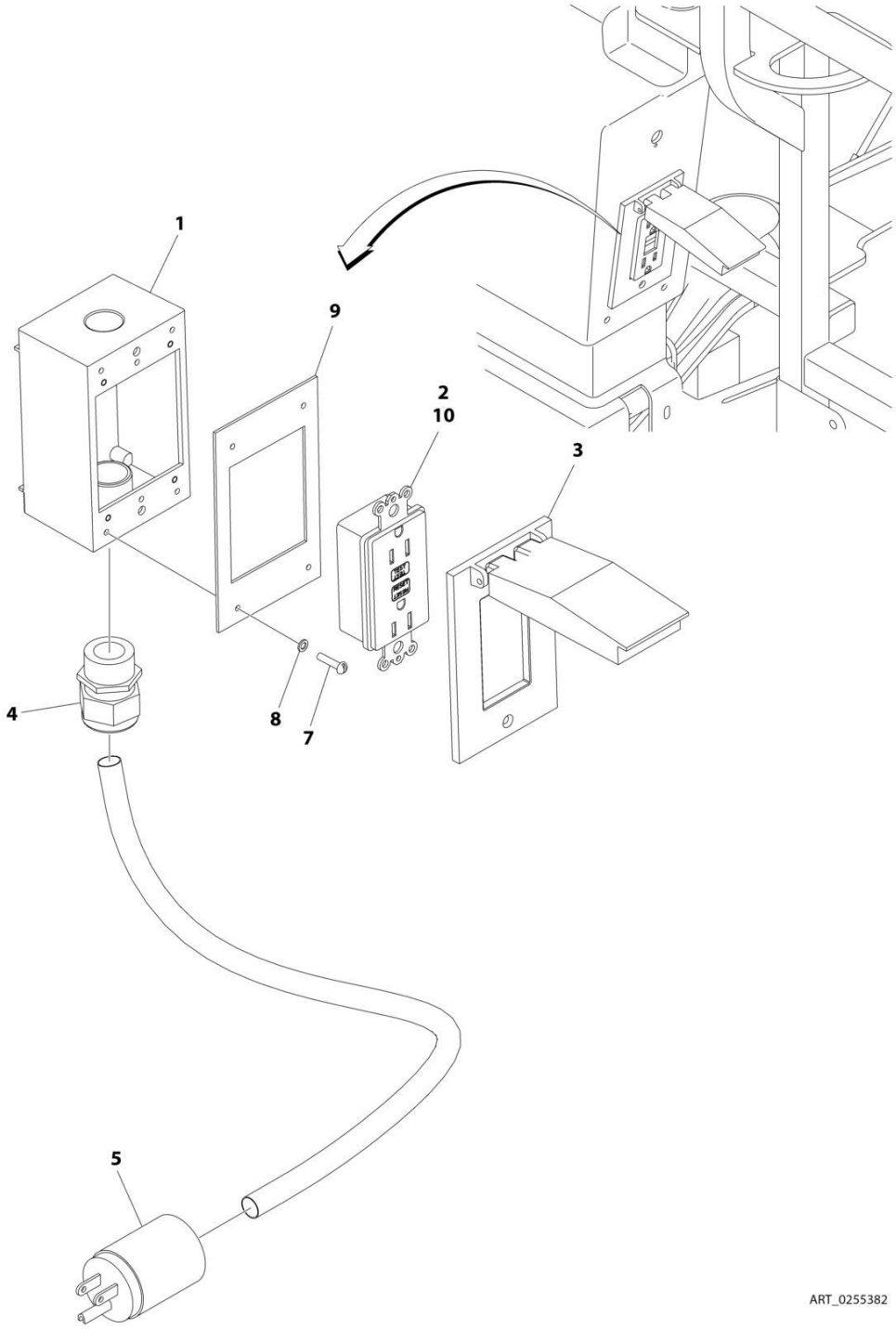


FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V GFI RECEPTACLE (MACHINES WITH 2500W GENERATOR/NO GENERATOR OPTIONS) (ALL SPECS EXCEPT AUSTRALIAN, CE& UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0255382	Ref	AC BOX AT PLATFORM INSTALLATION - 110V	C
1	0860038	1	Box, Switch	
2	4460346	1	Receptacle	
3	1001110873	1	Shield, Cover	
4	4460071	1	Connector, Strain Relief	
5	1001227309	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	
18	4460205	1	Plug, Male (Not Shown - Located at turntable base)	

FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 220V RECEPTACLE (MACHINES WITH 2500W GENERATOR/NO GENERATOR OPTIONS) (ANSI, CSA AND JAPANESE SPECS)

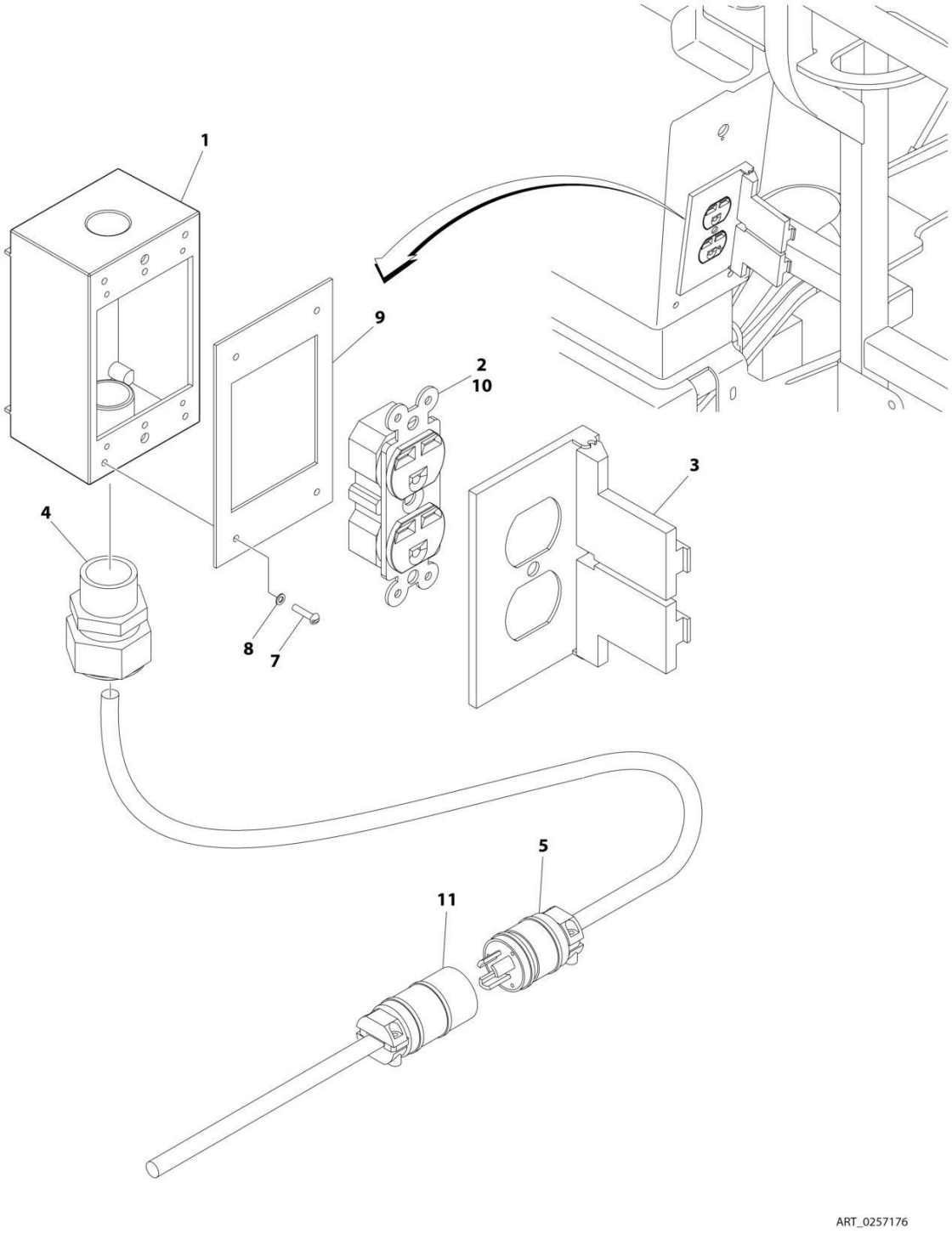


FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 220V RECEPTACLE (MACHINES WITH 2500W GENERATOR/NO GENERATOR OPTIONS) (ANSI, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0257176	Ref	AC BOX AT PLATFORM INSTALLATION - 220V	C
1	0860038	1	Box, Switch	
2	4460125	1	Receptacle	
3	4060092	1	Shield, Cover	
4	4460071	1	Connector, Strain Relief	
5	1001227309	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	
11	1001227310	1	Connector, Female	
18	4460233	1	Plug (Not Shown - Located at turntable base)	

FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) (ANSI EXPORT SPECS) (4000W GENERATOR)

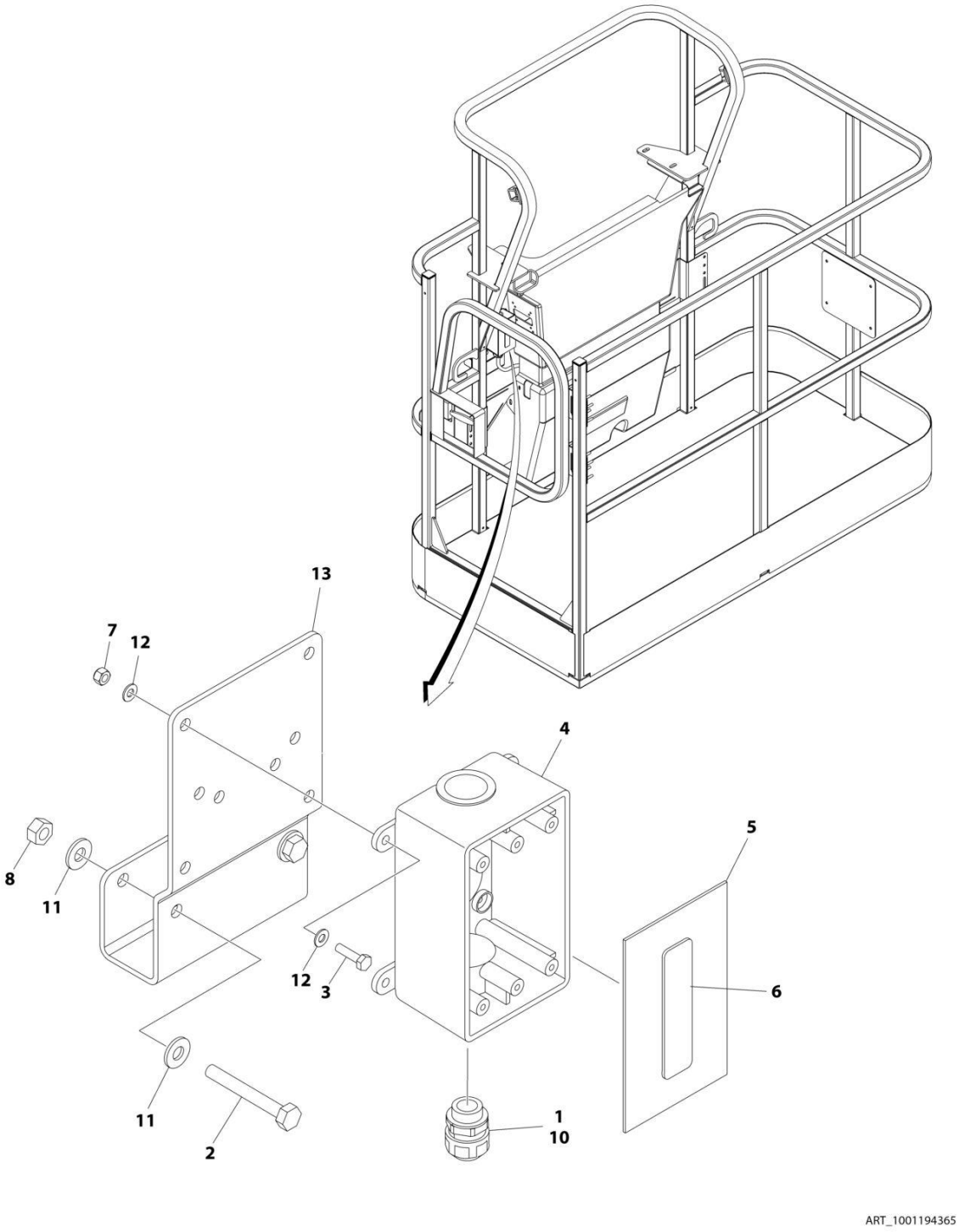


FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) (ANSI EXPORT SPECS) (4000W GENERATOR)

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 8-7. AC BOX AT PLATFORM INSTALLATION – DUAL AC 110V GFI (MACHINES WITH 2500W GENERATOR) (ANSI EXPORT AND CHINA SPECS)

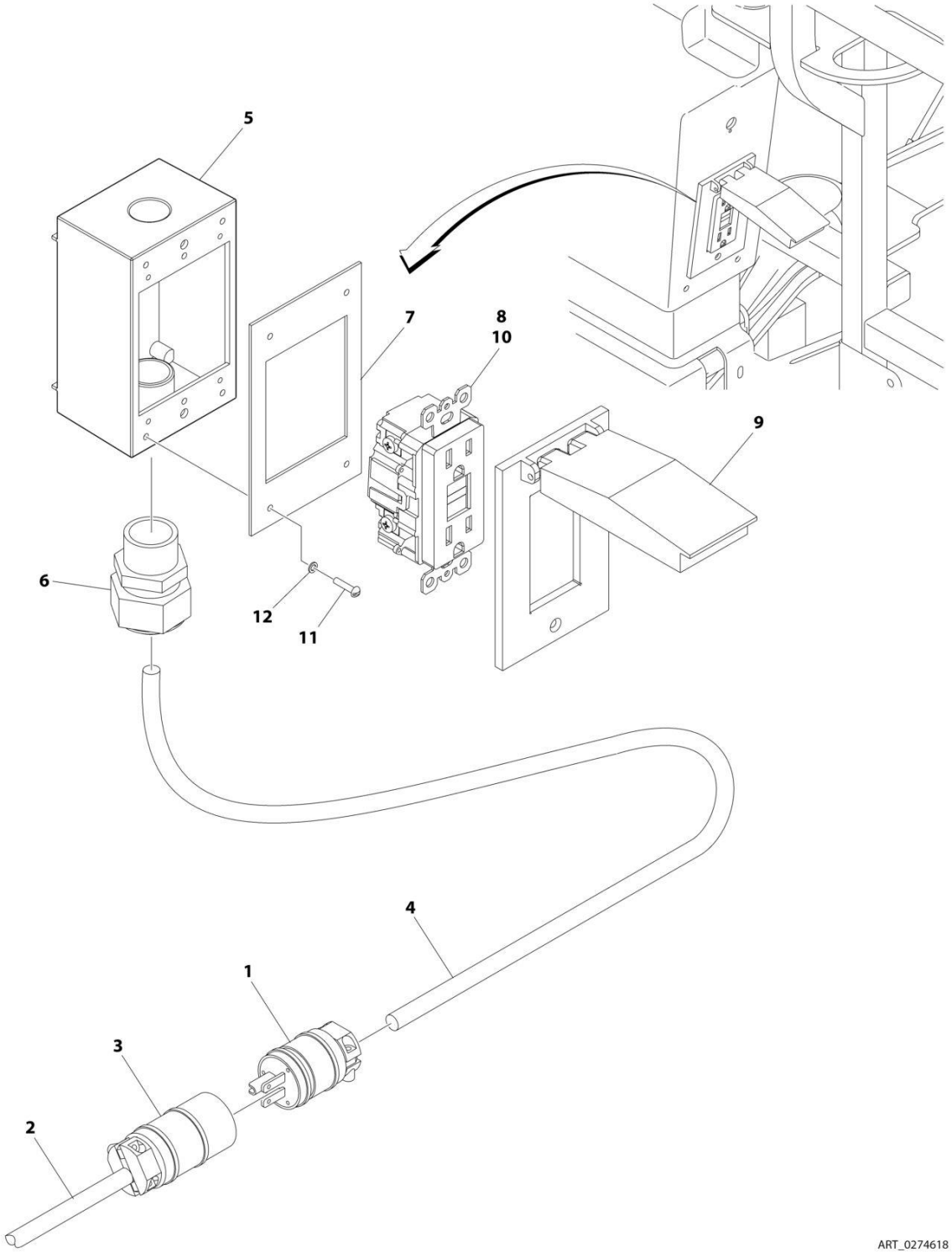


FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION – DUAL AC 110V GFI (MACHINES WITH 2500W GENERATOR) (ANSI EXPORT AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274618	Ref	AC BOX AT PLATFORM INSTALLATION – DUAL AC 110V GFI	2
1	4460205	4	Plug, Male	
2	4922892	1	Cable, Electrical 12/3 (Tower Boom)	
3	4460134	2	Plug, Female	
4	4922894	1	Cable, Electrical 12/3 (Main Boom)	
5	0860038	1	Box, Switch	
6	4460071	1	Connector, Strain Relief	
7	3960422	1	Gasket	
8	4460346	1	Receptacle	
9	1001110873	1	Shield, Cover	
10	4460315	1	Terminal, Spade	
11	3910606	4	Screw #6 x 3/8	
12	4760600	4	Washer #6	

FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS)

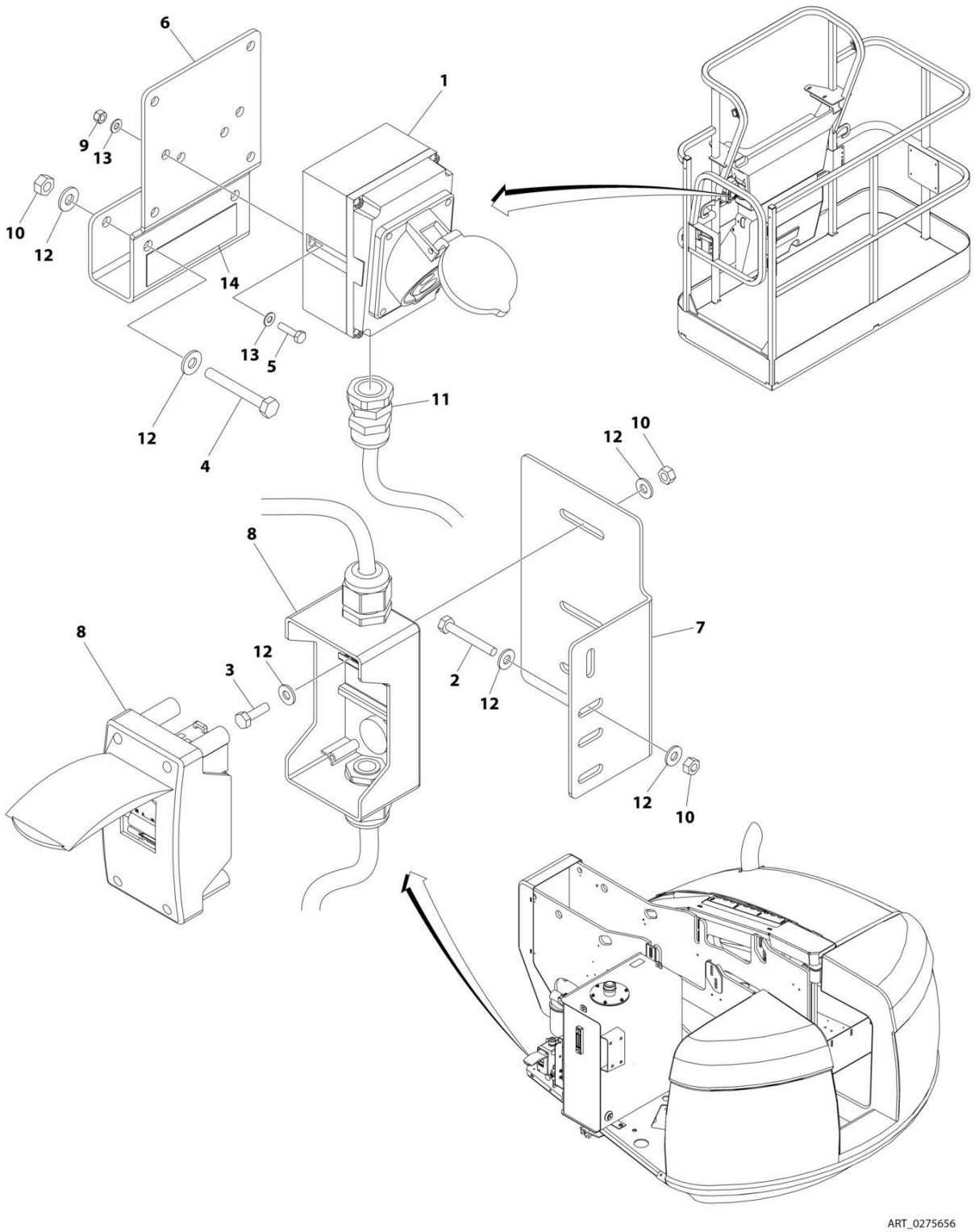


FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275656	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW	F
1	0275216	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
2	0641415	2	Bolt 1/4 x 1-7/8	
3	0641407	2	Bolt 1/4 x 7/8	
4	0641416	2	Bolt 1/4 x 2	
5	0700408	2	Bolt M4 x 16	
6	1001193018	1	Bracket	
7	1001153636	1	Bracket	
8	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section)	
9	3290405	2	Nut M4	
10	3311405	6	Nut 1/4	
11	4460968	1	Connector, Strain Relief	
12	4711400	12	Washer 1/4	
13	4811400	4	Washer M4	
14	1705325	2	Decal - 110V	

FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW (CE & UK CA SPECS) (4000W GENERATOR)

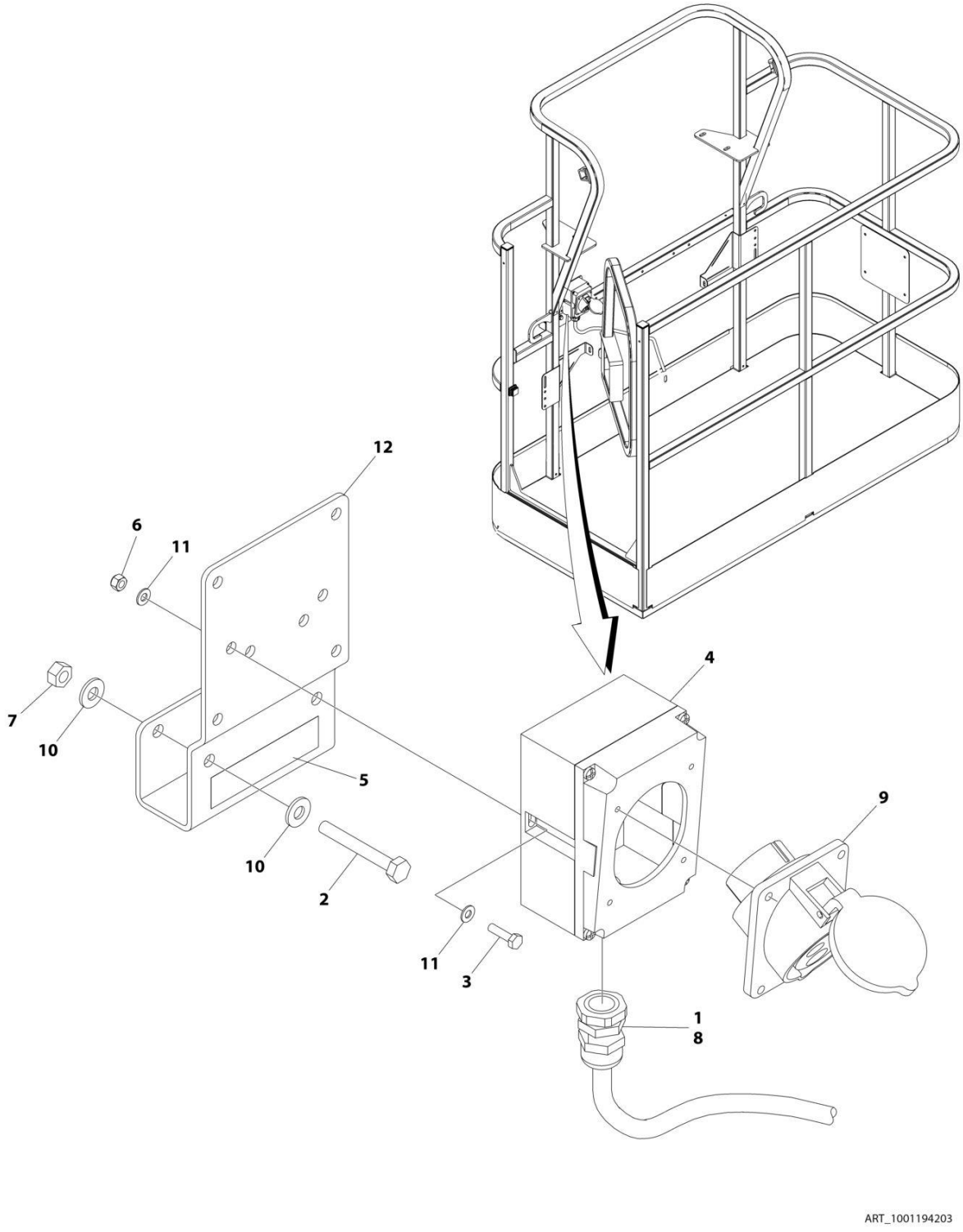


FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW (CE & UK CA SPECS) (4000W GENERATOR)

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

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE& UK CA SPECS)

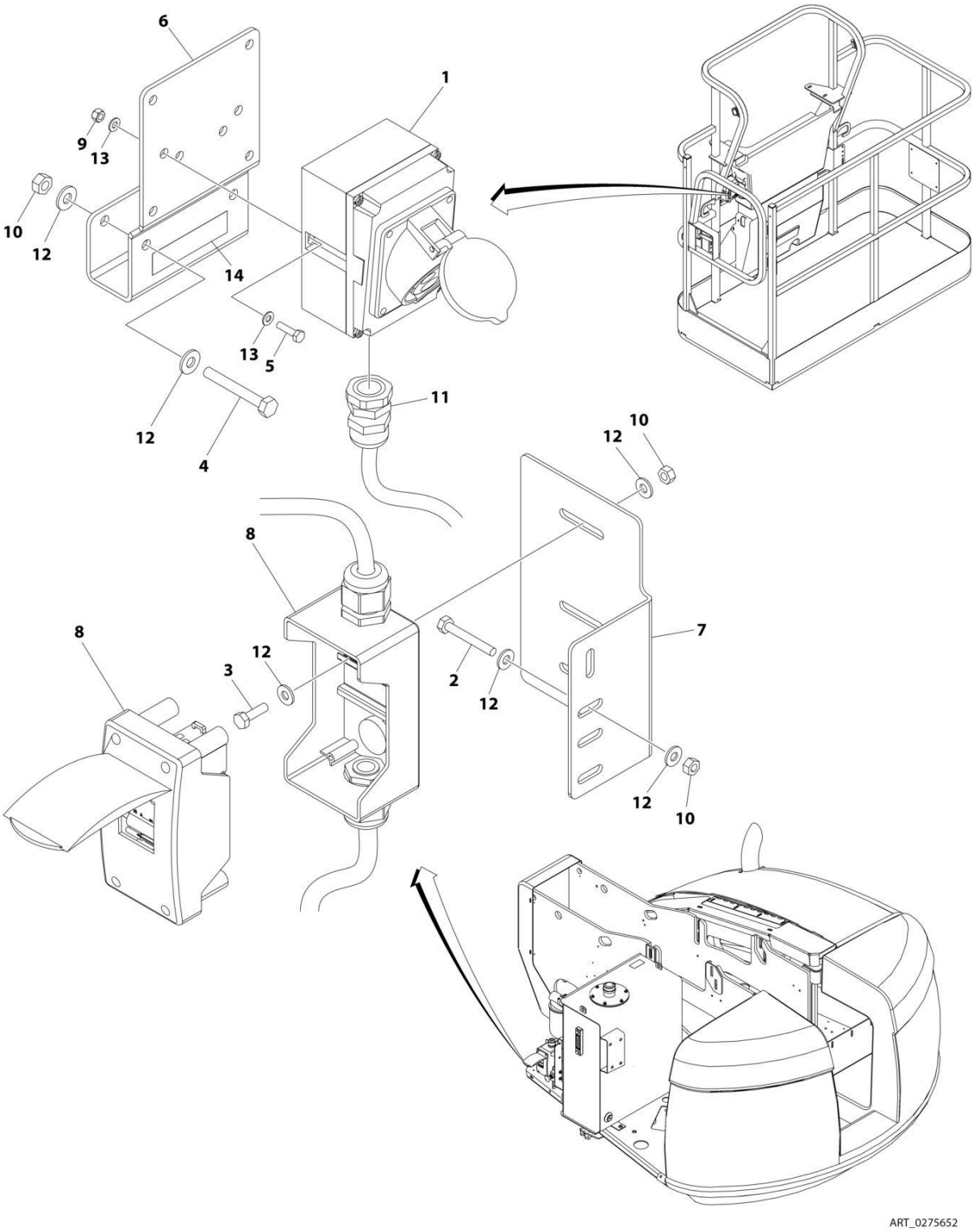


FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE& UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275652	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE	F
1	0275217	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
2	0641415	2	Bolt 1/4 x 1-7/8	
3	0641407	2	Bolt 1/4 x 7/8	
4	0641416	2	Bolt 1/4 x 2	
5	0700408	2	Bolt M4 x 16	
6	1001193018	1	Bracket	
7	1001153636	1	Bracket	
8	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section)	
9	3290405	2	Nut M4	
10	3311405	6	Nut 1/4	
11	4460968	1	Connector, Strain Relief	
12	4711400	12	Washer 1/4	
13	4811400	4	Washer M4	
14	3252507	1	Decal - 240V-50/60Hz	

FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS) (2500W GENERATOR)

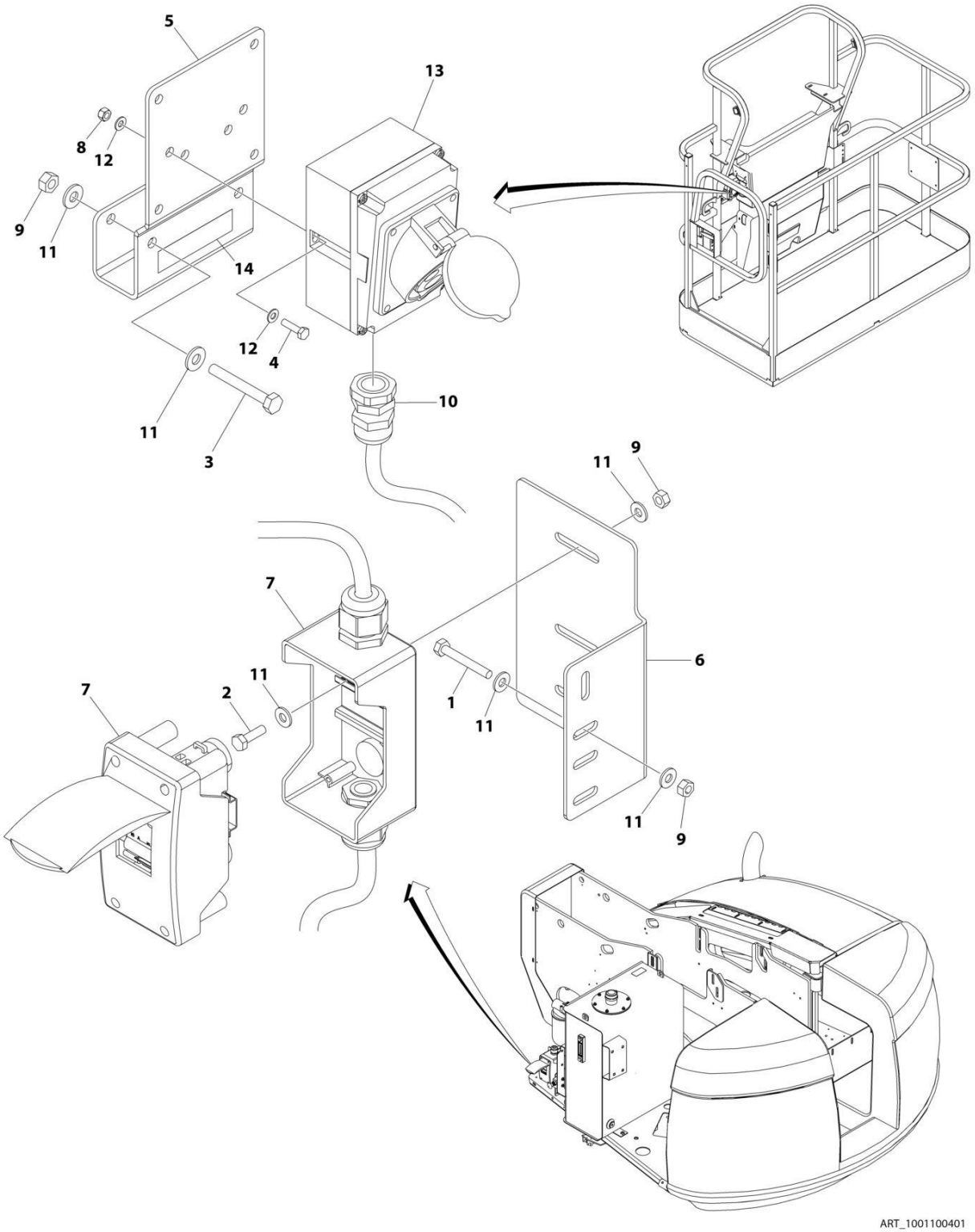


FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS) (2500W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100401	Ref	AC BOX AT PLATFORM INSTALLATION	F
1	0641415	2	Bolt 1/4 x 1-7/8	
2	0641407	2	Bolt 1/4 x 7/8	
3	0641416	2	Bolt 1/4 x 2	
4	0700408	2	Bolt M4 x 16	
5	1001193018	1	Bracket	
6	1001153636	1	Bracket	
7	1001109554	1	Breaker Box Kit (See Separate Breakdown in this Section)	
8	3290405	2	Nut M4	
9	3311405	6	Nut 1/4	
10	4460662	1	Connector, Strain Relief	
11	4711400	12	Washer 1/4	
12	4811400	8	Washer M4	
13	1001100342	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
14	3252507	1	Decal - 240V-50/60Hz	

FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE (CE & UK CA SPECS) (4000W GENERATOR)

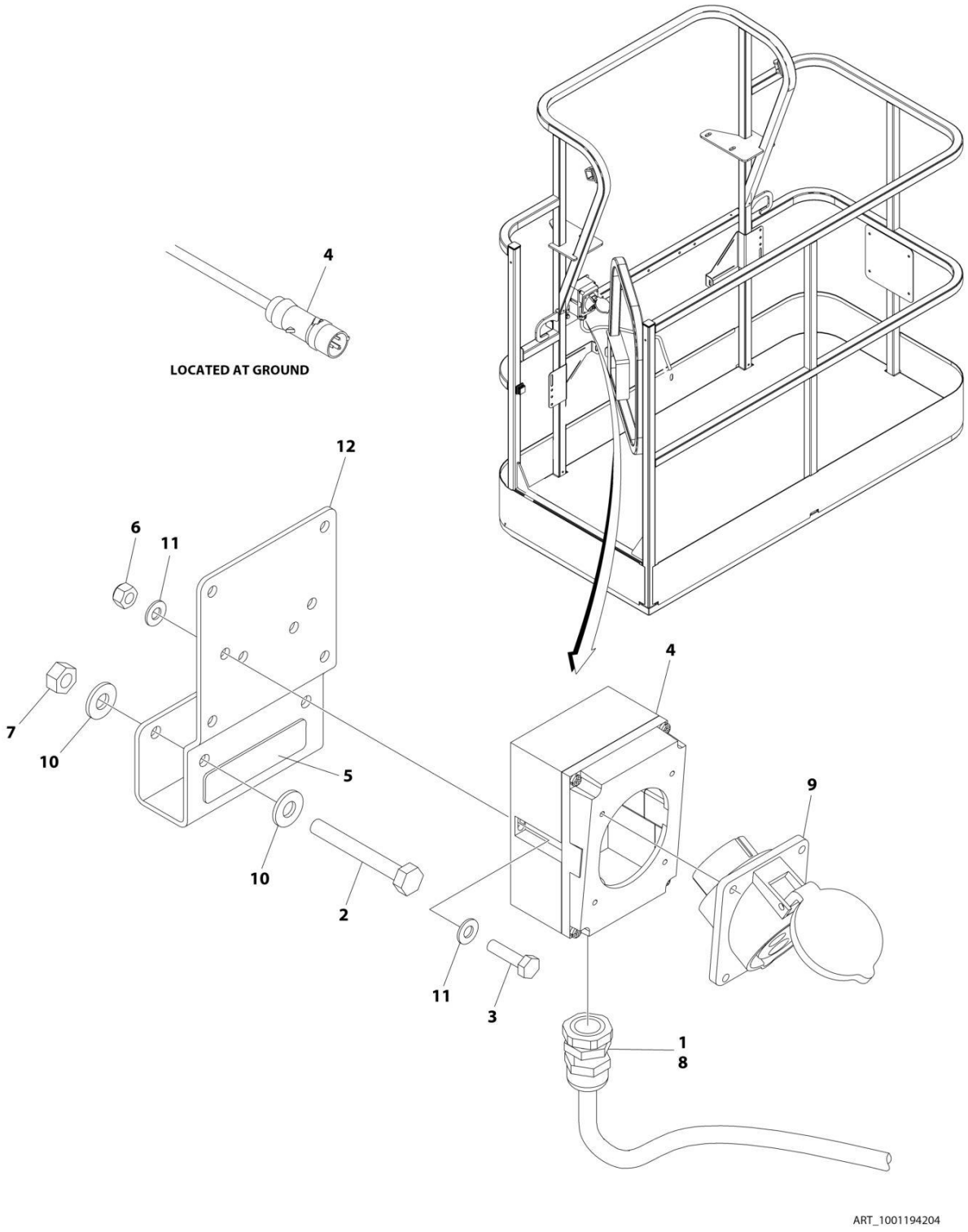


FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE (CE & UK CA SPECS) (4000W GENERATOR)

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

FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE & UK CA SPECS)

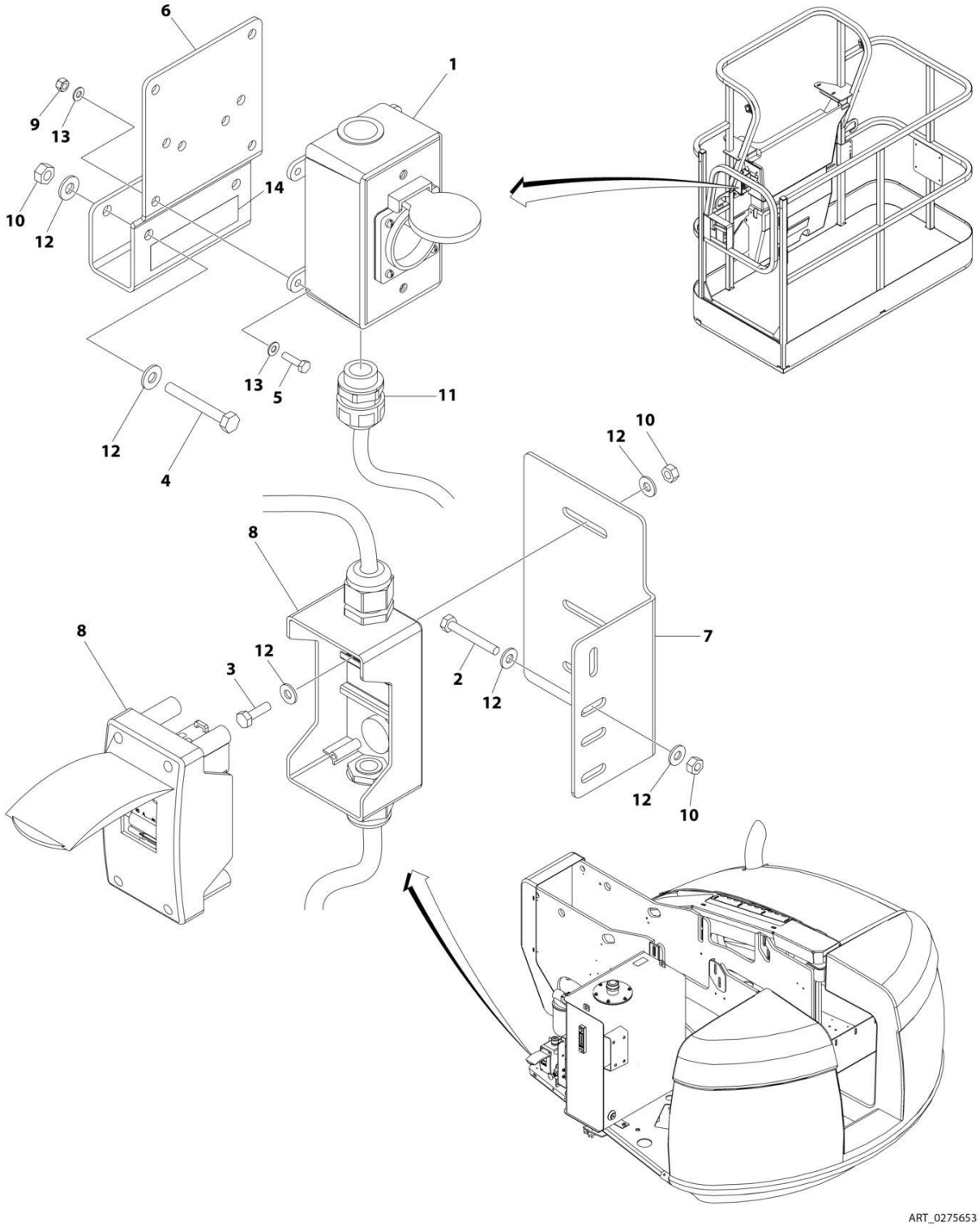


FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275653	Ref	AC BOX AT PLATFORM INSTALLATION	G
1	0275452	1	Receptacle Box Kit - 220V CEE7 Post Ground 21in x 4in (See Separate Breakdown in this Section)	
2	0641415	2	Bolt 1/4 x 1-7/8	
3	0641407	2	Bolt 1/4 x 7/8	
4	0641416	2	Bolt 1/4 x 2	
5	0700408	4	Bolt M4 x 16	
6	1001193018	1	Bracket	
7	1001153636	1	Bracket	
8	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section)	
9	3290405	4	Nut M4	
10	3311405	6	Nut 1/4	
11	4460662	1	Connector, Strain Relief	
12	4711400	12	Washer 1/4	
13	4811400	8	Washer M4	
14	3252507	1	Decal - 240V-50/60Hz	

FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE & UK CA SPECS) (2500W GENERATOR)

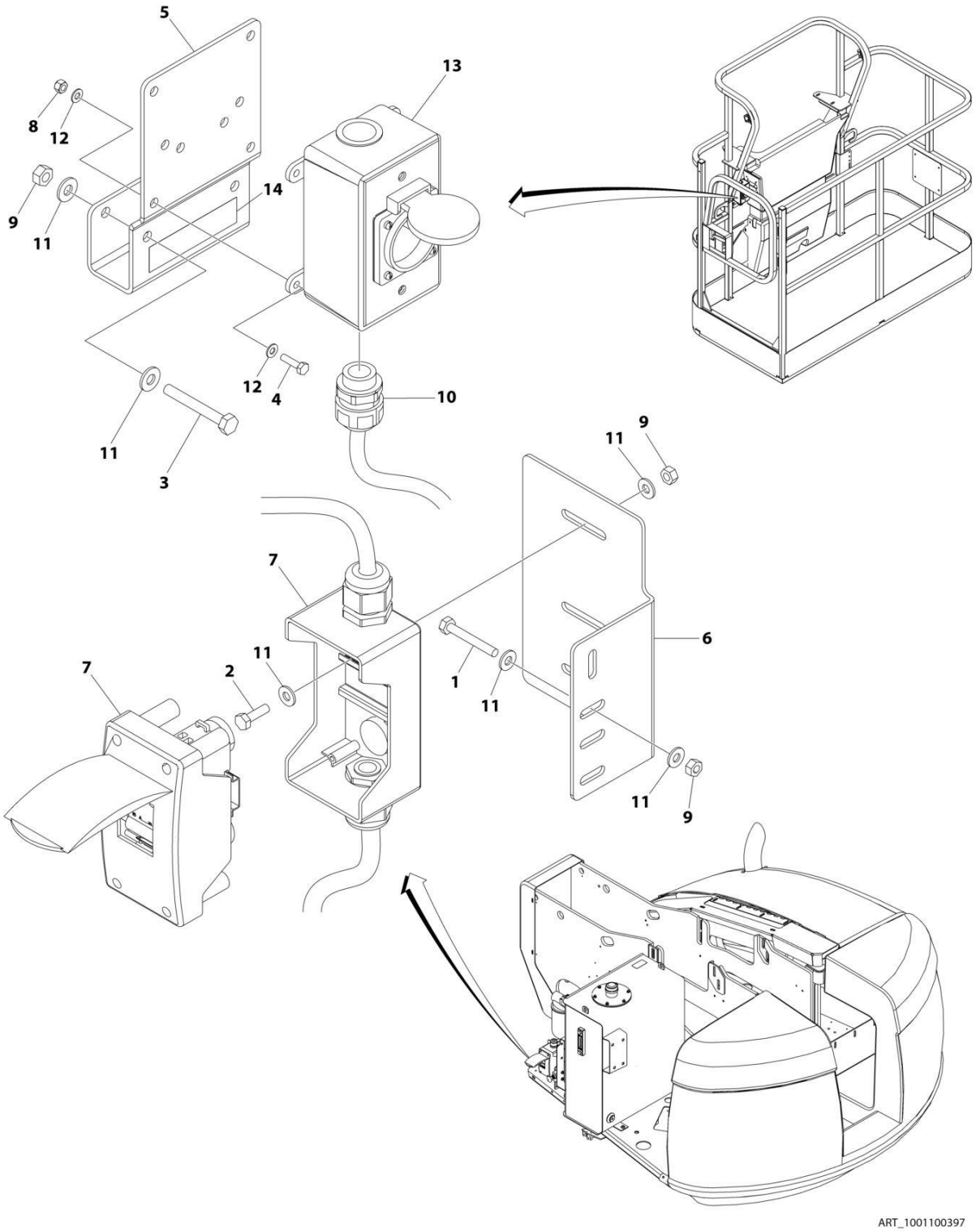


FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE & UK CA SPECS) (2500W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100397	Ref	AC BOX AT PLATFORM INSTALLATION	H
1	0641415	2	Bolt 1/4 x 1-7/8	
2	0641407	2	Bolt 1/4 x 7/8	
3	0641416	2	Bolt 1/4 x 2	
4	0700408	4	Bolt M4 x 16	
5	1001193018	1	Bracket	
6	1001153636	1	Bracket	
7	1001109554	1	Breaker Box Kit (See Separate Breakdown in this Section)	
8	3290405	4	Nut M4	
9	3311405	6	Nut 1/4	
10	4460662	1	Connector, Strain Relief	
11	4711400	12	Washer 1/4	
12	4811400	8	Washer M4	
13	1001100345	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
14	3252507	1	Decal - 240V-50/60Hz	

FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) (CE & UK CA SPECS) (4000W GENERATOR)

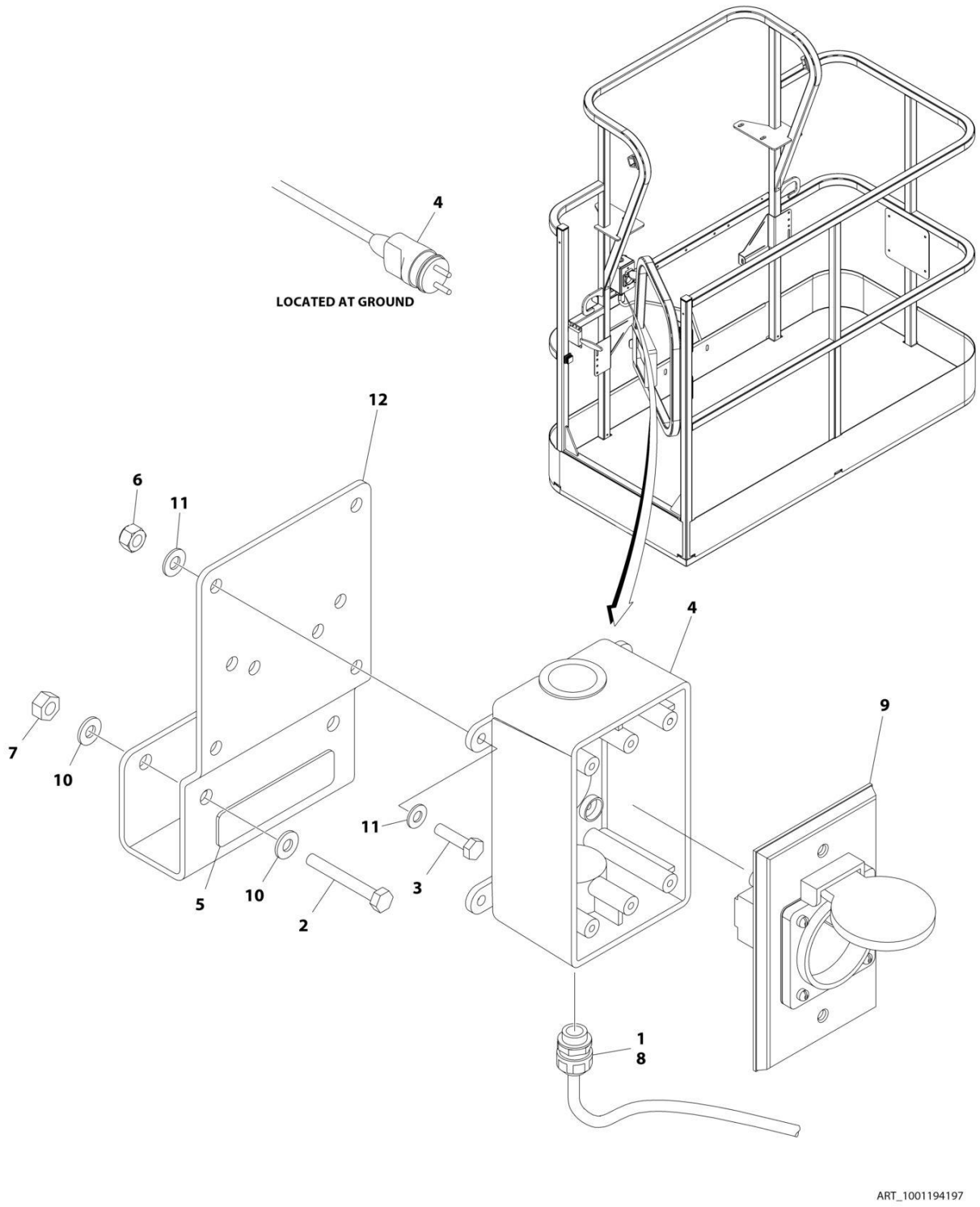


FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) (CE & UK CA SPECS) (4000W GENERATOR)

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

FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE & UK CA SPECS)

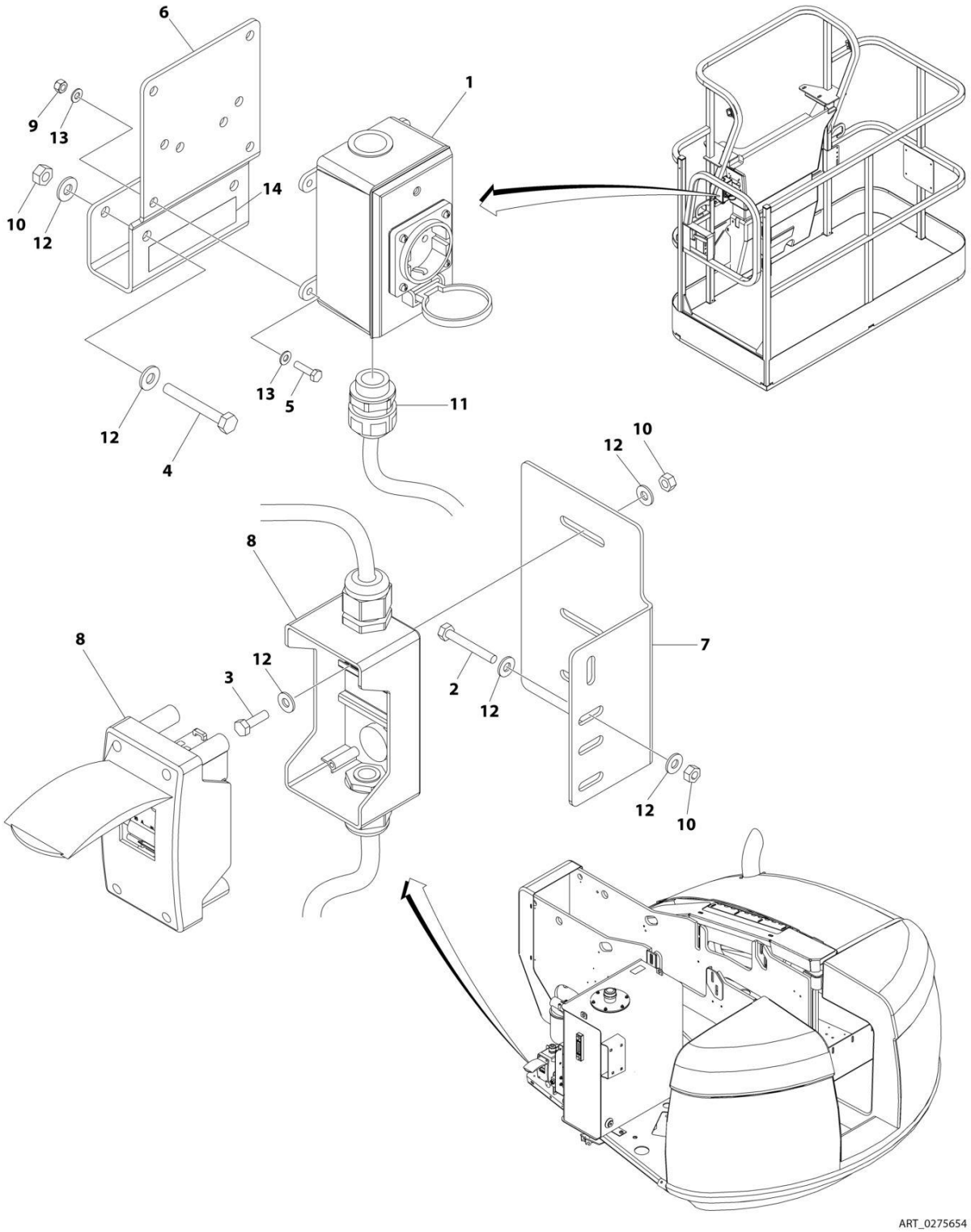


FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275654	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX SIDE GROUND	G
1	0275453	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
2	0641415	2	Bolt 1/4 x 1-7/8	
3	0641407	2	Bolt 1/4 x 7/8	
4	0641416	2	Bolt 1/4 x 2	
5	0700408	4	Bolt M4 x 16	
6	1001193018	1	Bracket	
7	1001153636	1	Bracket	
8	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section)	
9	3290405	4	Nut M4	
10	3311405	6	Nut 1/4	
11	4460662	1	Connector, Strain Relief	
12	4711400	12	Washer 1/4	
13	4811400	8	Washer M4	
14	3252507	1	Decal - 240V-50/60Hz	

FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE & UK CA SPECS) (2500W GENERATOR)

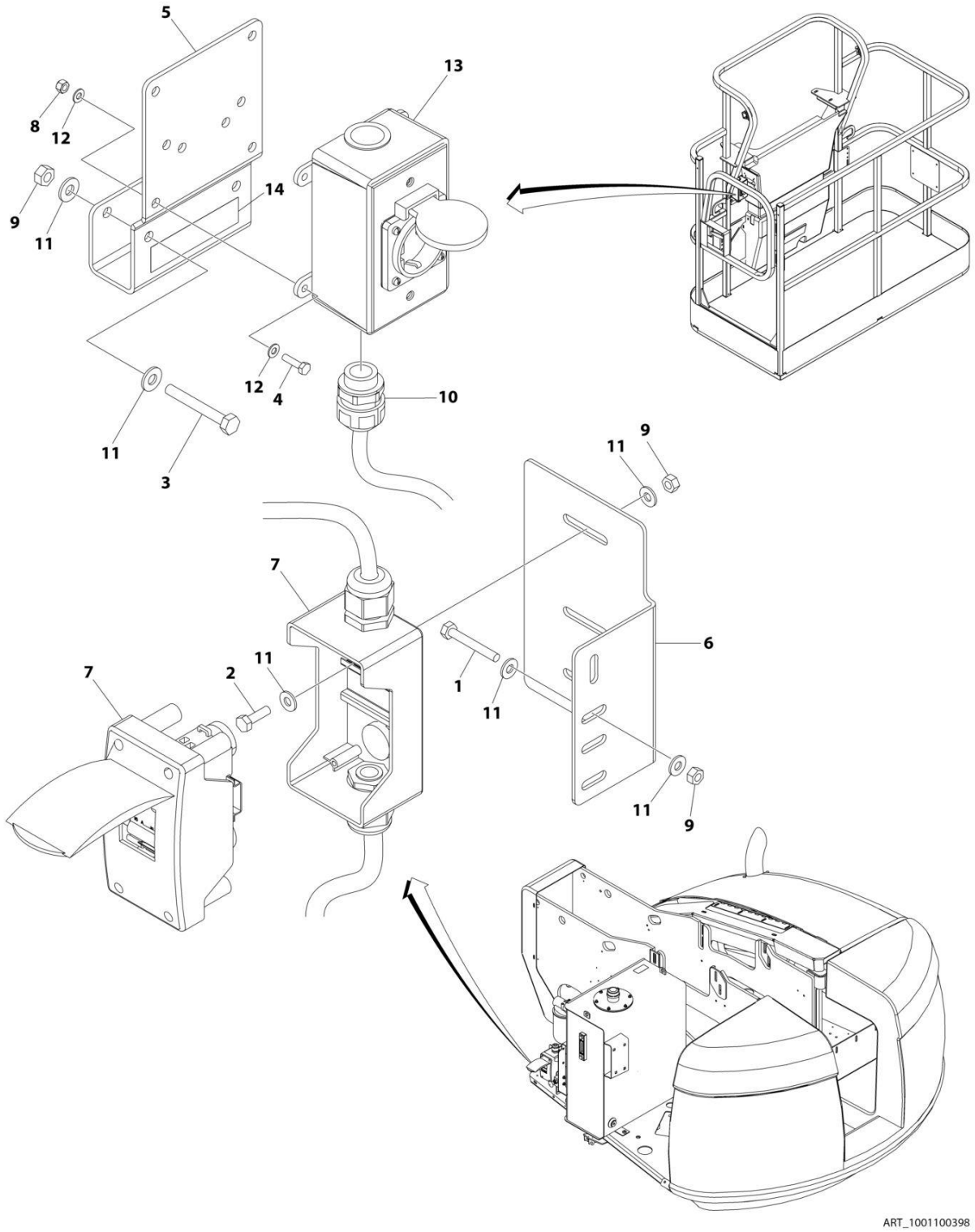


FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE & UK CA SPECS) (2500W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100398	Ref	AC BOX AT PLATFORM INSTALLATION	H
1	0641415	2	Bolt 1/4 x 1-7/8	
2	0641407	2	Bolt 1/4 x 7/8	
3	0641416	2	Bolt 1/4 x 2	
4	0700408	4	Bolt M4 x 16	
5	1001193018	1	Bracket	
6	1001153636	1	Bracket	
7	1001109554	1	Breaker Box Kit (See Separate Breakdown in this Section)	
8	3290405	4	Nut M4	
9	3311405	6	Nut 1/4	
10	4460662	1	Connector, Strain Relief	
11	4711400	12	Washer 1/4	
12	4811400	8	Washer M4	
13	1001100347	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
14	3252507	1	Decal - 240V-50/60Hz	

FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) (CE & UK CA SPECS) (4000W GENERATOR)

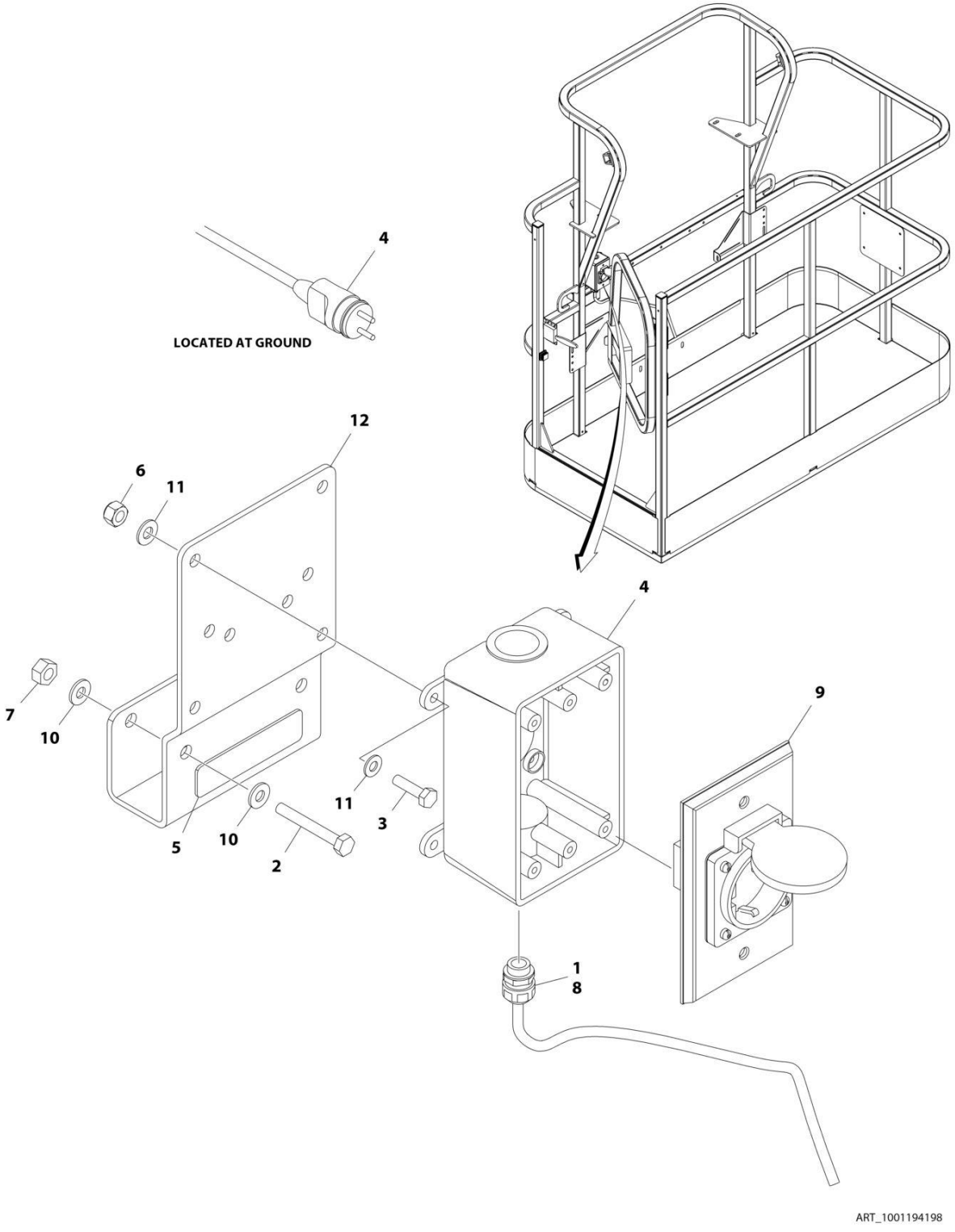


FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) (CE & UK CA SPECS) (4000W GENERATOR)

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

FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 (CE & UK CA SPECS)

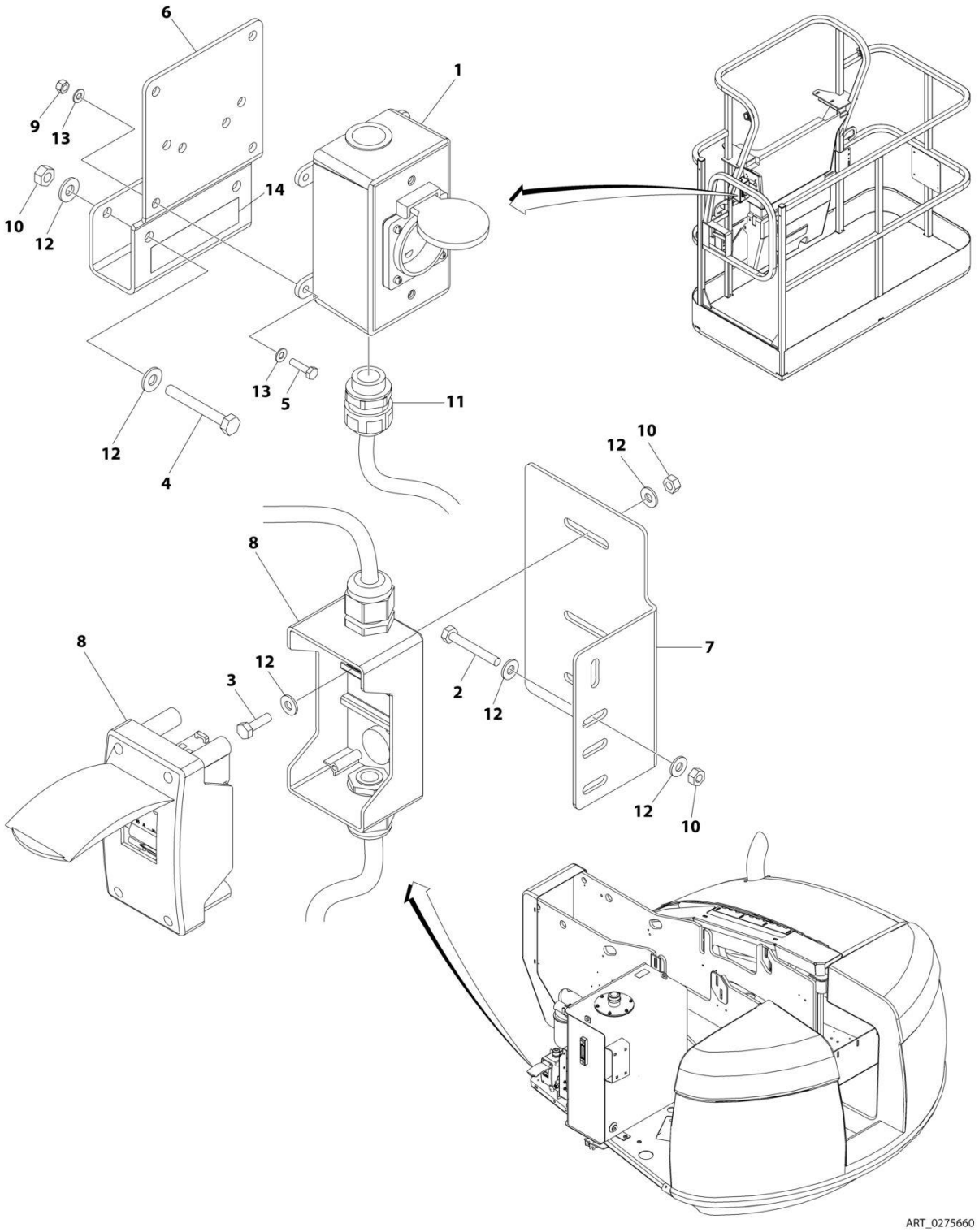


FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275660	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107	G
1	0275454	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
2	0641415	2	Bolt 1/4 x 1-7/8	
3	0641407	2	Bolt 1/4 x 7/8	
4	0641416	2	Bolt 1/4 x 2	
5	0700408	4	Bolt M4 x 16	
6	1001193018	1	Bracket	
7	1001153636	1	Bracket	
8	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section)	
9	3290405	4	Nut M4	
10	3311405	6	Nut 1/4	
11	4460662	1	Connector, Strain Relief	
12	4711400	12	Washer 1/4	
13	4811400	8	Washer M4	
14	3252507	1	Decal - 240V-50/60Hz	

FIGURE 8-20. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 (CE & UK CA SPECS) (2500W GENERATOR)

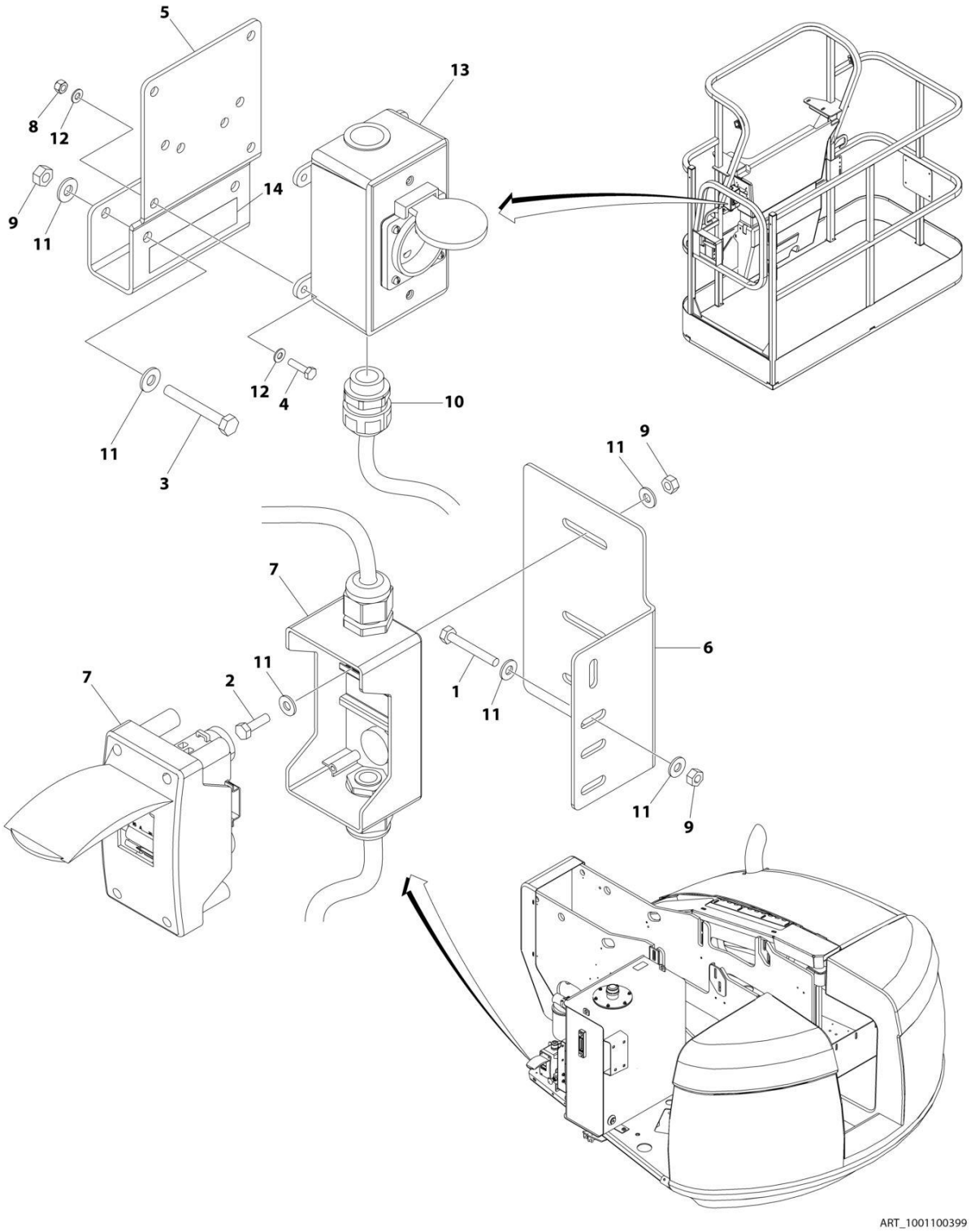


FIGURE 8-20. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 (CE & UK CA SPECS) (2500W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100399	Ref	AC BOX AT PLATFORM INSTALLATION	G
1	0641415	2	Bolt 1/4 x 1-7/8	
2	0641407	2	Bolt 1/4 x 7/8	
3	0641416	2	Bolt 1/4 x 2	
4	0700408	4	Bolt M4 x 16	
5	1001193018	1	Bracket	
6	1001153636	1	Bracket	
7	1001109554	1	Breaker Box Kit (See Separate Breakdown in this Section)	
8	3290405	4	Nut M4	
9	3311405	6	Nut 1/4	
10	4460662	1	Connector, Strain Relief	
11	4711400	12	Washer 1/4	
12	4811400	8	Washer M4	
13	1001100346	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
14	3252507	1	Decal - 240V-50/60Hz	

FIGURE 8-21. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) (CE & UK CA SPECS) (4000W GENERATOR)

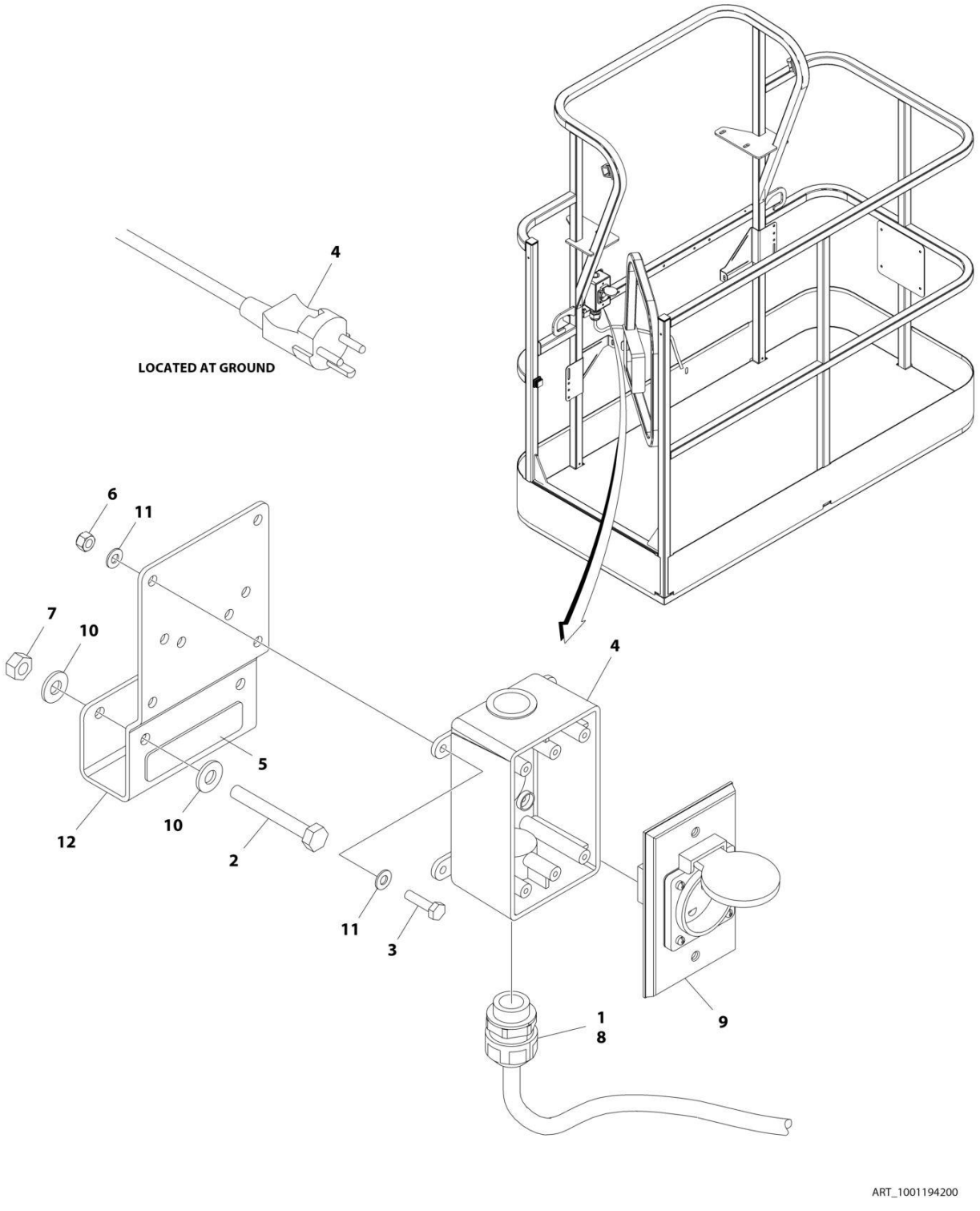


FIGURE 8-21. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) (CE & UK CA SPECS) (4000W GENERATOR)

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

FIGURE 8-22. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS WITH 4000W SKYPOWER GENERATOR)

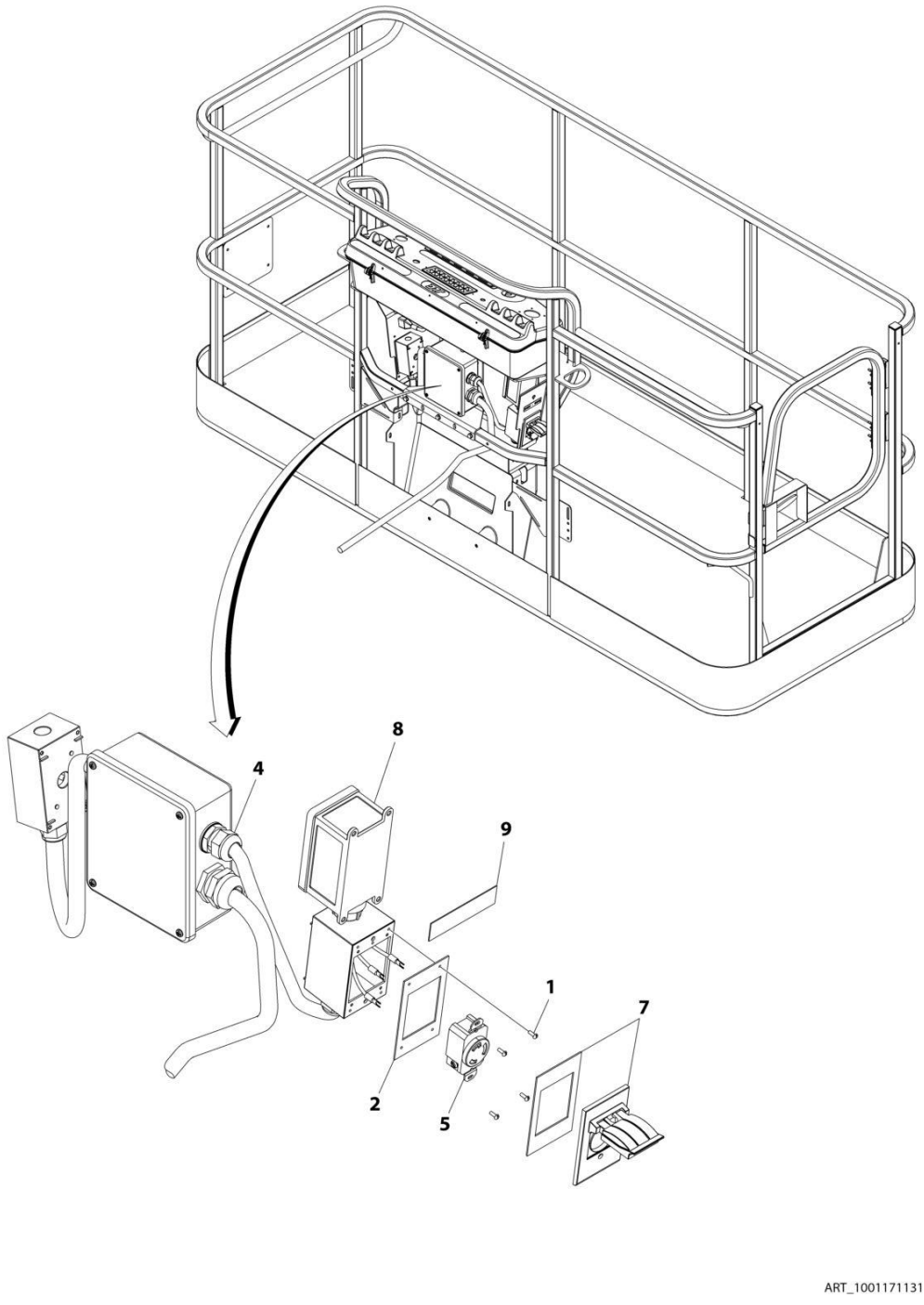


FIGURE 8-22. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS WITH 4000W SKYPOWER GENERATOR)

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

FIGURE 8-23. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI AND CSA SPECS WITH 7500W SKYPOWER GENERATOR)

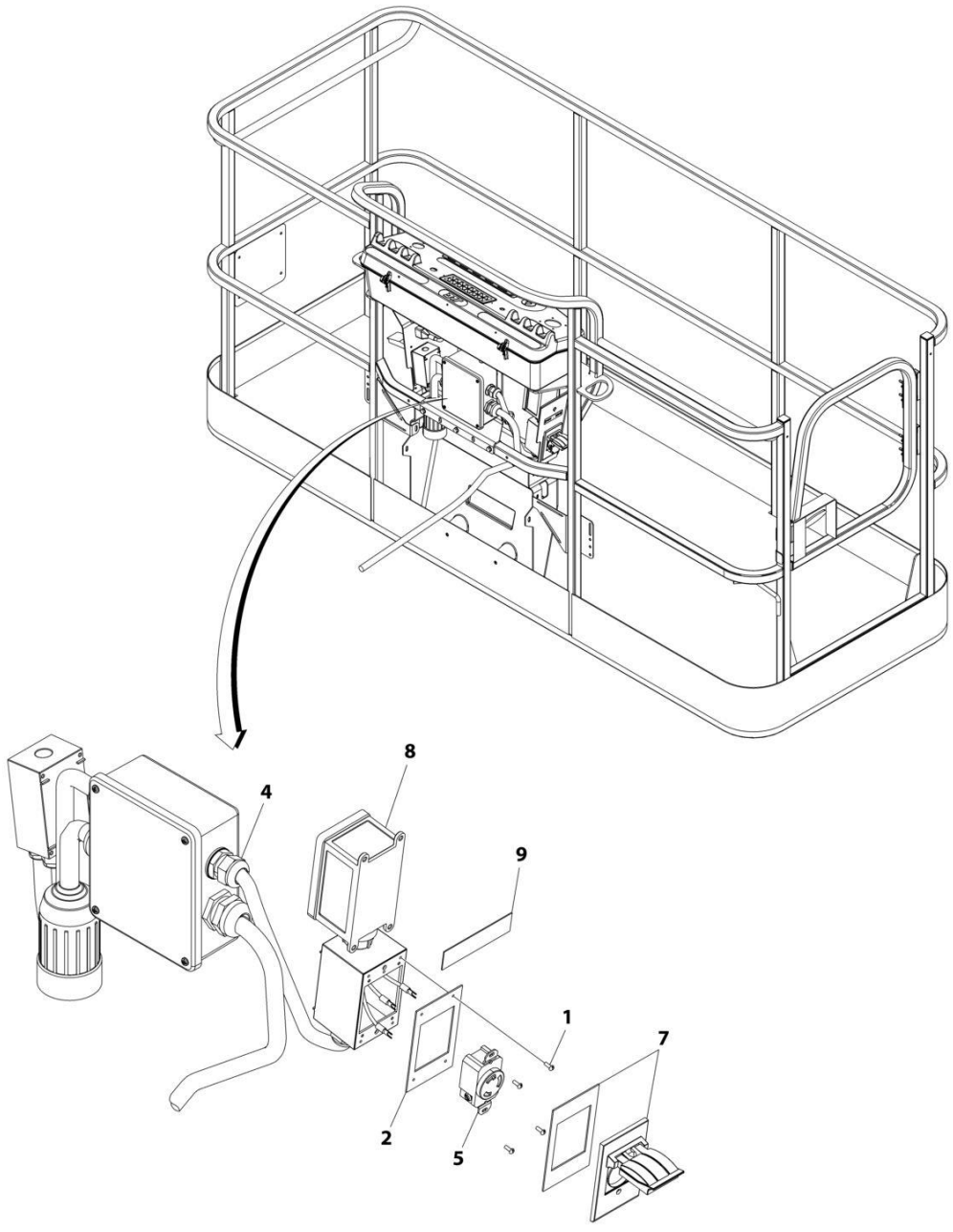


FIGURE 8-23. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI AND CSA SPECS WITH 7500W SKYPOWER GENERATOR)

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 8-24. BATTERY DISCONNECT SWITCH INSTALLATION – DEUTZ D2011 ENGINES

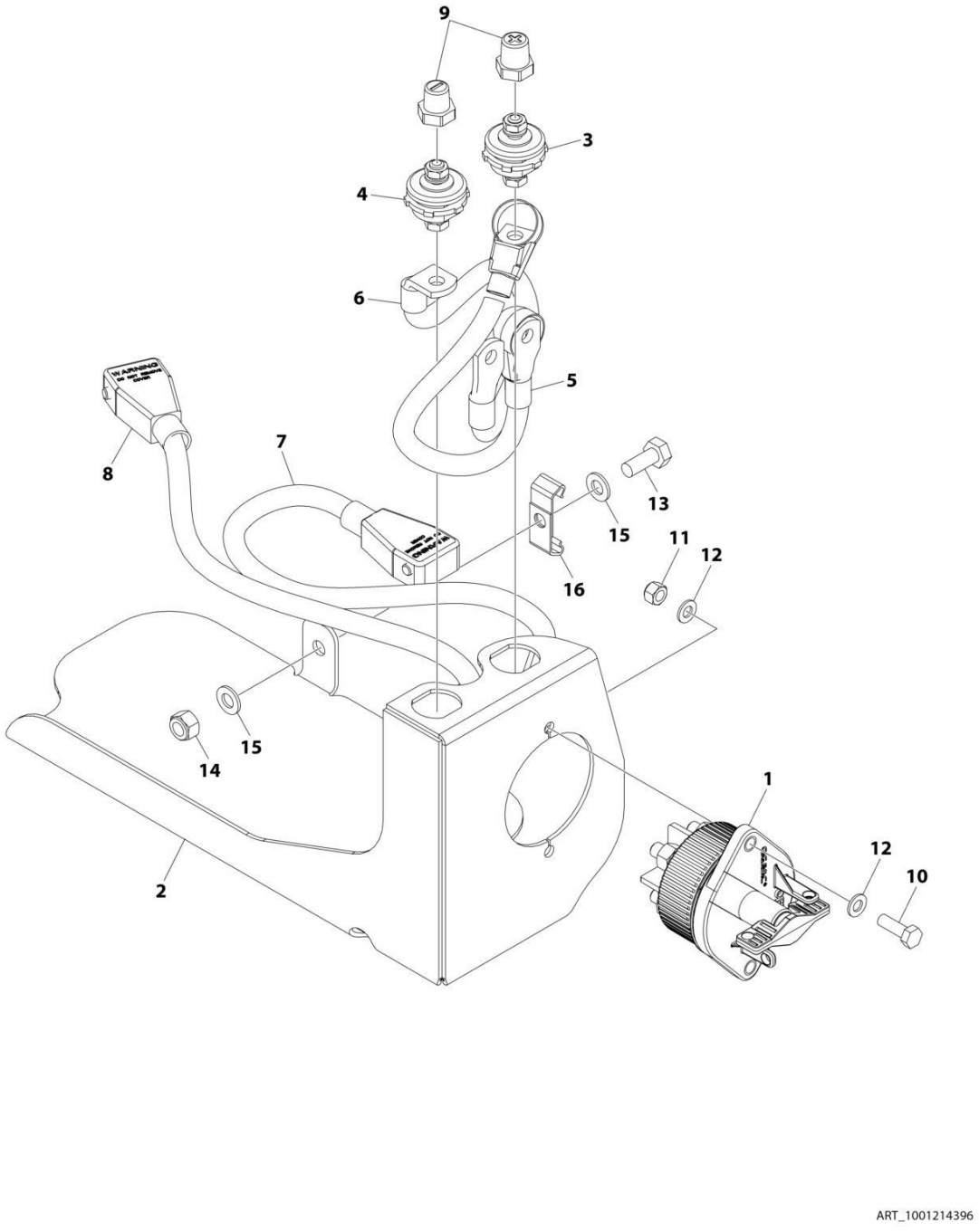


FIGURE 8-24. BATTERY DISCONNECT SWITCH INSTALLATION – DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214396	Ref	BATERY DISCONNECT SWITCH INSTALLATION	B
1	1001225346	1	Switch	
2	1001226529	1	Mount	
3	1001214570	1	Connector (Red)	
4	1001214571	1	Connector (Black)	
5	1001236375	1	Cable (Positive)	
6	1001236376	1	Cable (Negative)	
7	1001236377	1	Cable (Positive)	
8	1001236378	1	Cable (Negative)	
9	1001206476	1	Connector	
10	0760812	2	Bolt M8 x 25	
11	3290805	2	Nut M8	
12	4811900	4	Washer M8	
13	0761012	1	Bolt M10 x 25	
14	3291005	1	Nut M10	
15	4812000	2	Washer M10	
16	1320223	2	Clamp	

FIGURE 8-25. BATTERY DISCONNECT SWITCH INSTALLATION (DEUTZ TD2.9L4, DEUTZ D2.9L4, DEUTZ TD2.2L3 STAGE V AND FORD DF2.5L ENGINES)

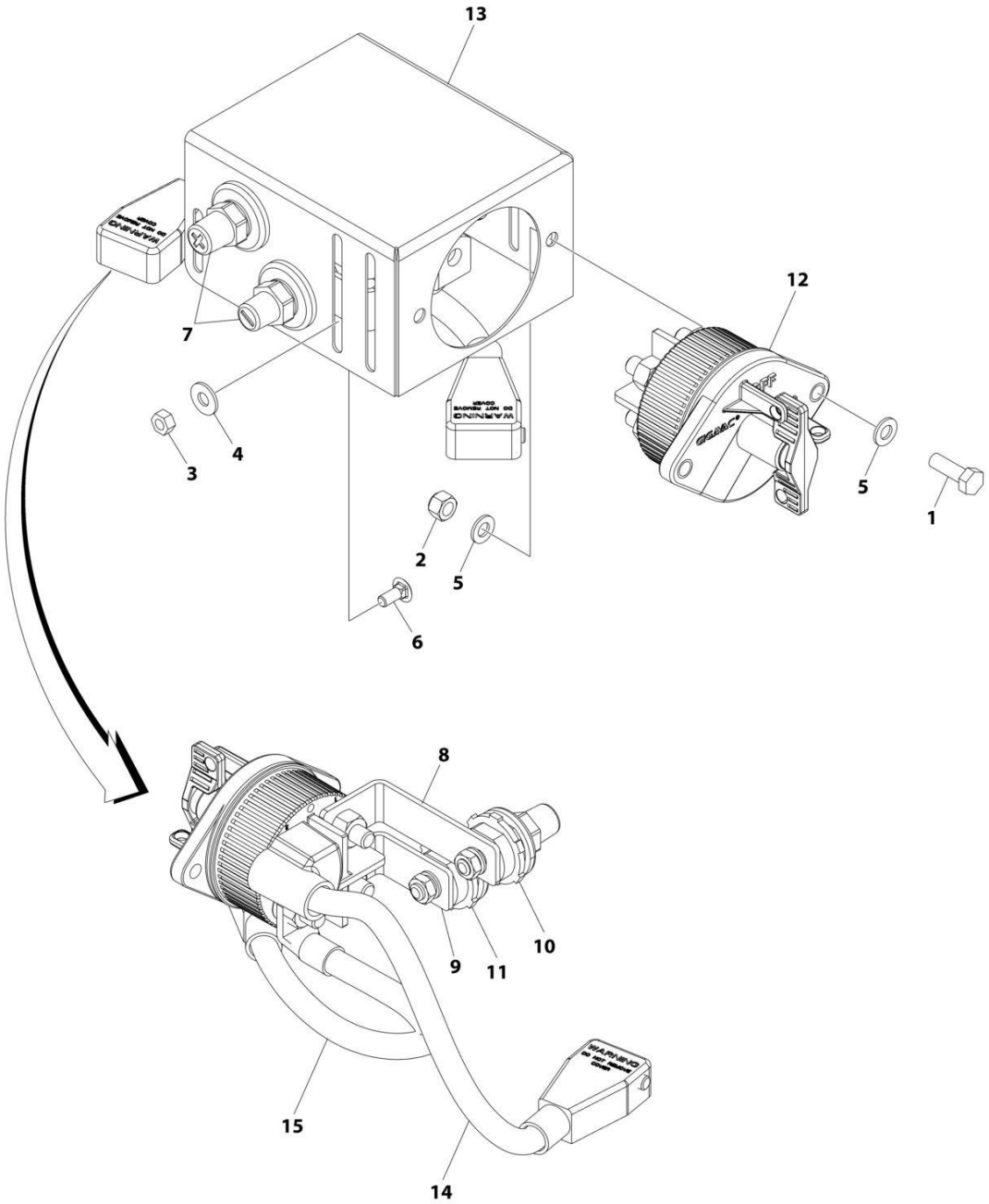


FIGURE 8-25. BATTERY DISCONNECT SWITCH INSTALLATION (DEUTZ TD2.9L4, DEUTZ D2.9L4, DEUTZ TD2.2L3 STAGE V AND FORD DF2.5L ENGINES)

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 8-26. BEACON LIGHT HARNESS (BLUE AND RED BEACON LIGHT)

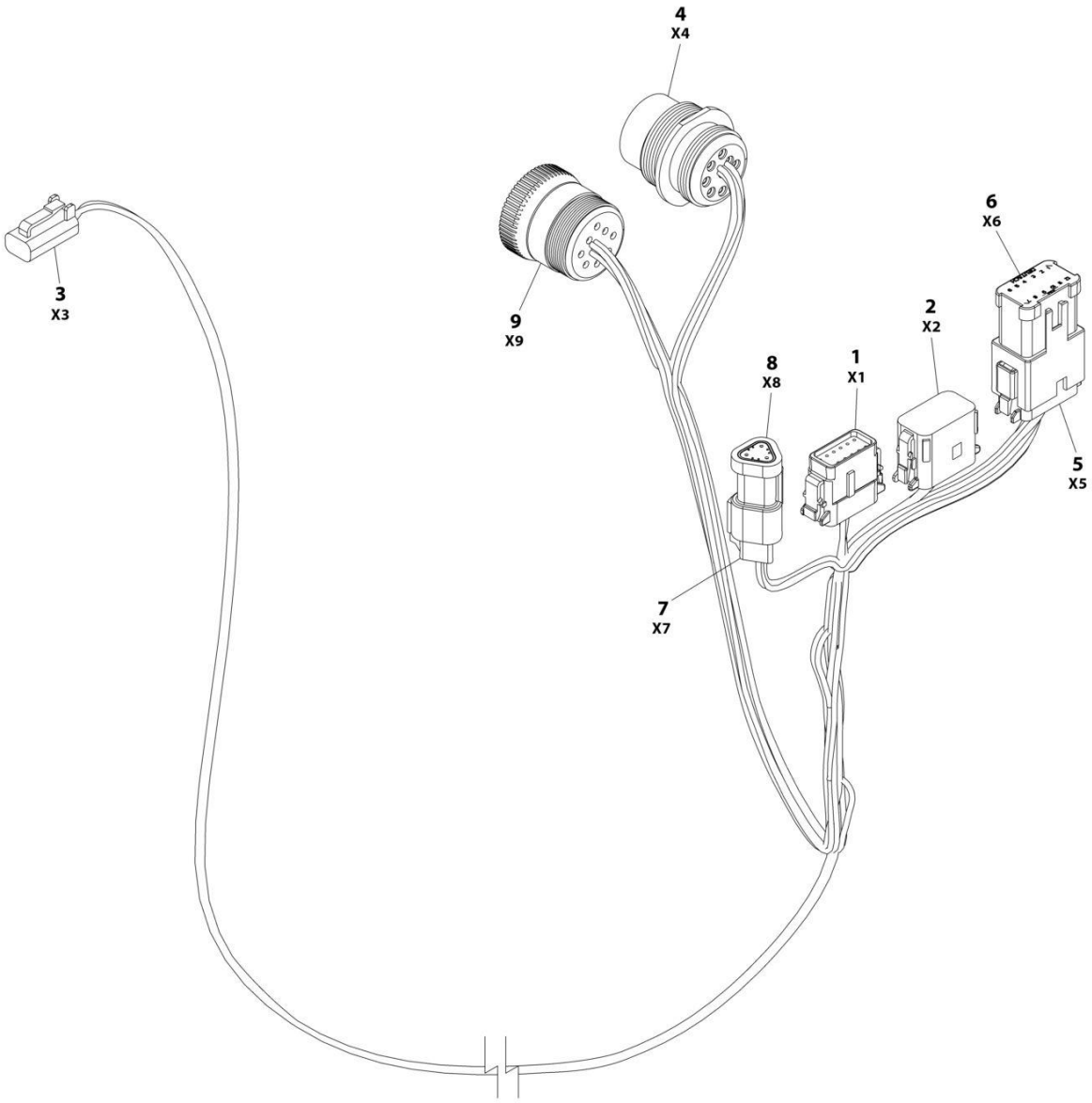


FIGURE 8-26. BEACON LIGHT HARNESS (BLUE AND RED BEACON LIGHT)

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 8-27. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR

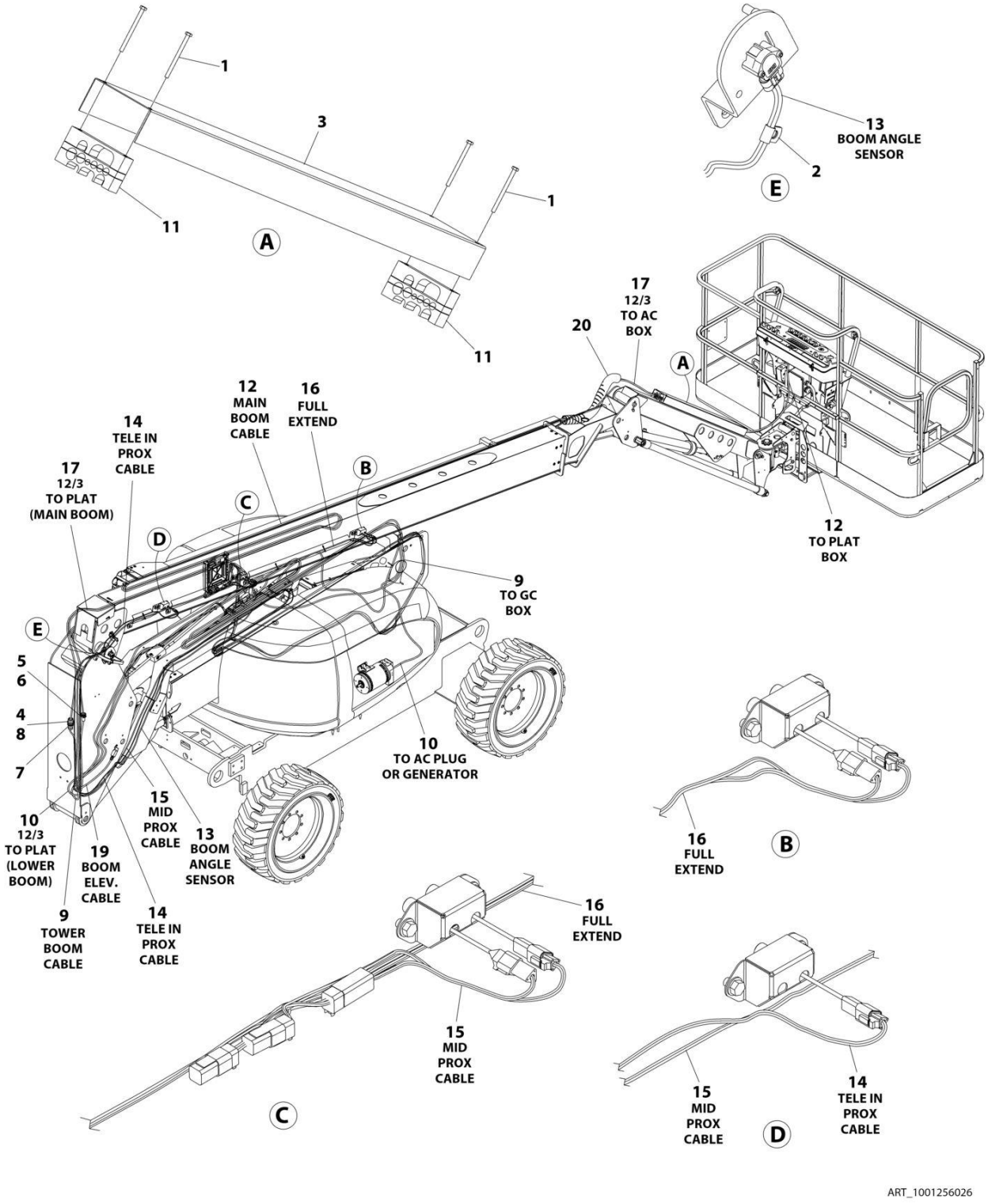


FIGURE 8-27. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256026	Ref	BOOM CABLES INSTALLATION	D
1	0700624	4	Bolt M6 x 80	
2	1320263	1	Clamp	
3	1671034	1	Cover	
4	2820031	AR	Heat Shrink	
5	4460466	8	Plug, Terminal	
6	4460473	1	Clamp, Cable	
7	4460865	1	Connector - 19 Pin Plug	
8	4460866	1	Connector - 19 Pin Receptacle	
9	4922494	1	Boom Cable - Tower Boom (See Separate Breakdown in this Section)	
10	4922893	1	Cable, Electrical - 12/3 (Tower Boom)	
11	1001165350	2	Block, Clamp	
12	1001254463	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
13	1001254465	1	Sensor, Harness - Boom Angle	
13	1001230931	1	Connector - 6 Position	
13	1001116748	6	Terminal	
14	1001254466	1	Sensor, Harness - Tele in Prox	
14	4460539	1	Plug, Male - 3 Position	
14	4460465	3	Socket, Female	
15	1001254467	1	Sensor, Harness - Mid Prox (See Separate Breakdown in this Section)	
16	1001254468	1	Sensor, Harness - Full Extension (See Separate Breakdown in this Section)	
17	1001257325	1	Cable, Electrical - 12/3 (Main Boom)	
18	4240033	1	Tie - Strap (Not Shown)	
19	1061033	1	Cable, Electrical - 18/2	
20	1001181923	1	Hose Shield	

FIGURE 8-28. BOOM CABLE INSTALLATION - WITH 4000W/50HZ GENERATOR

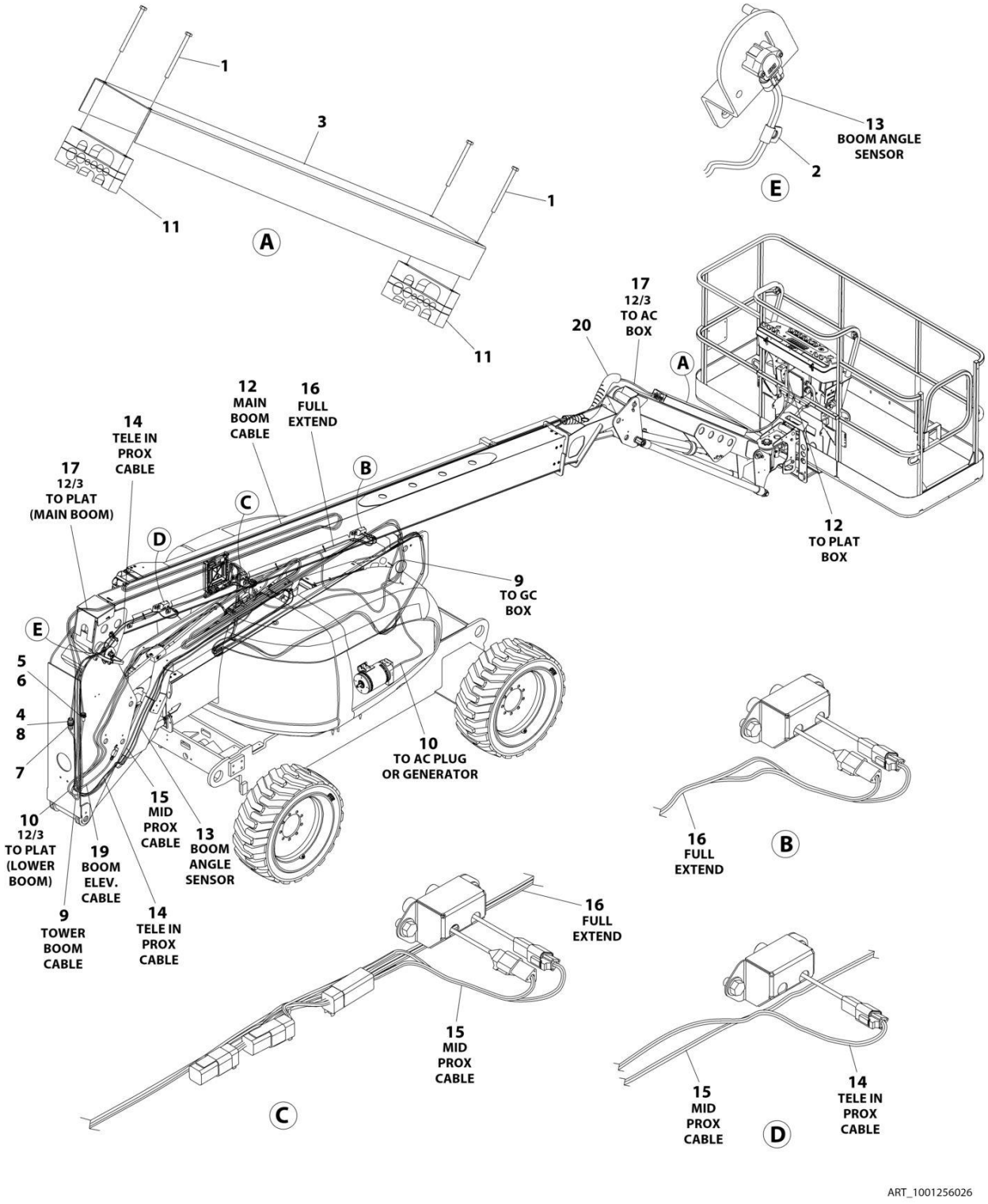


FIGURE 8-28. BOOM CABLE INSTALLATION - WITH 4000W/50HZ GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256026	Ref	BOOM CABLES INSTALLATION	D
1	0700624	4	Bolt M6 x 80	
2	1320263	1	Clamp	
3	1671034	1	Cover	
4	2820031	AR	Heat Shrink	
5	4460466	8	Plug, Terminal	
6	4460473	1	Clamp, Cable	
7	4460865	1	Connector - 19 Pin Plug	
8	4460866	1	Connector - 19 Pin Receptacle	
9	4922494	1	Boom Cable - Tower Boom (See Separate Breakdown in this Section)	
10	4922893	1	Cable, Electrical - 12/3 (Tower Boom)	
11	1001165350	2	Block, Clamp	
12	1001254463	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
13	1001254465	1	Sensor, Harness - Boom Angle	
13	1001230931	1	Connector - 6 Position	
13	1001116748	6	Terminal	
14	1001254466	1	Sensor, Harness - Tele in Prox	
14	4460539	1	Plug, Male - 3 Position	
14	4460465	3	Socket, Female	
15	1001254467	1	Sensor, Harness - Mid Prox (See Separate Breakdown in this Section)	
16	1001254468	1	Sensor, Harness - Full Extension (See Separate Breakdown in this Section)	
17	1001257325	1	Cable, Electrical - 12/3 (Main Boom)	
18	4240033	1	Tie - Strap (Not Shown)	
19	1061033	1	Cable, Electrical - 18/2	
20	1001181923	1	Hose Shield	

FIGURE 8-29. BOOM CABLES INSTALLATION - WITH 4000W/60HZ GENERATOR

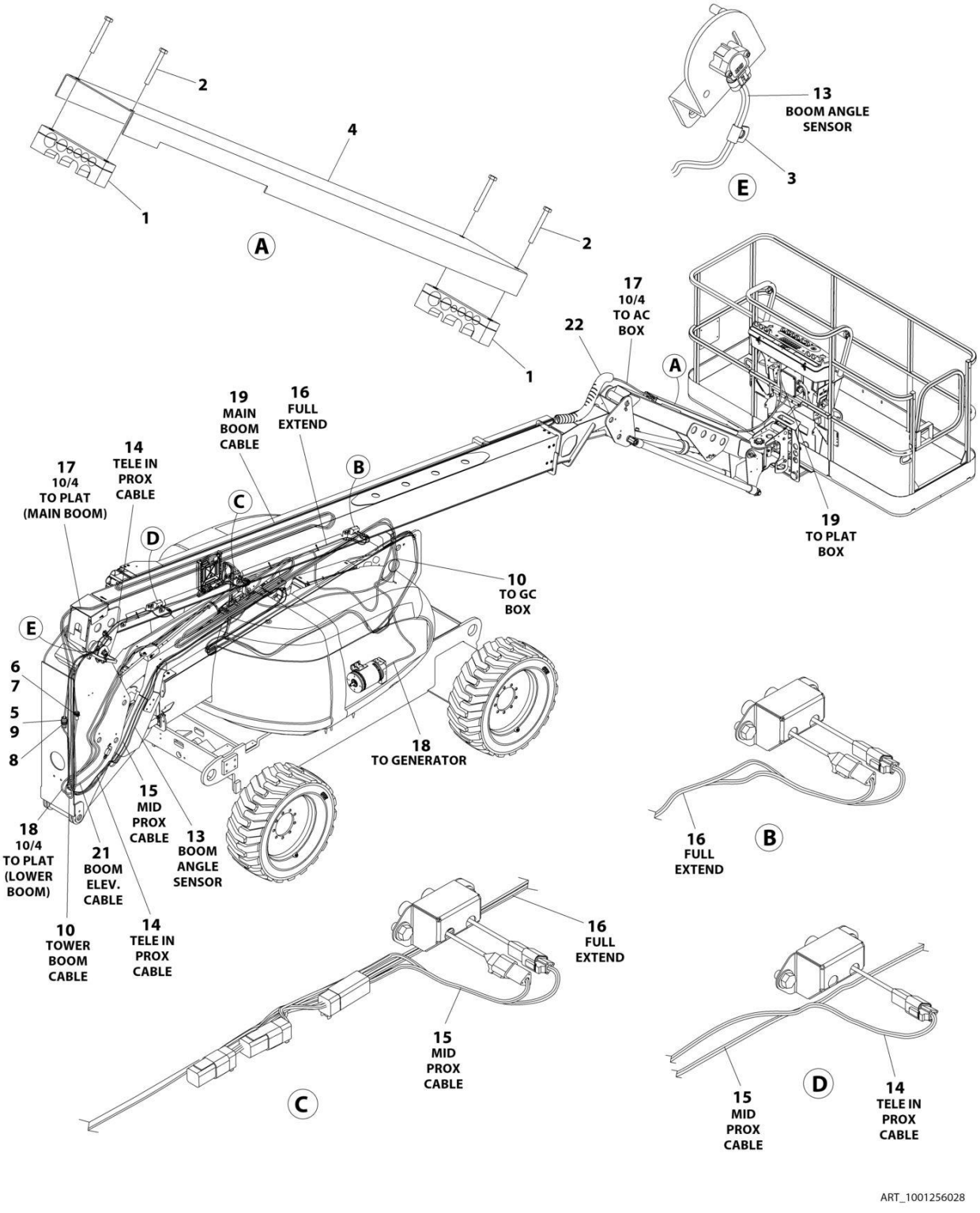


FIGURE 8-29. BOOM CABLES INSTALLATION - WITH 4000W/60HZ GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256028	Ref	BOOM CABLES INSTALLATION	D
1	0561237	2	Block, Clamp	
2	0700618	4	Bolt M6 x 50	
3	1320263	1	Clamp	
4	1670769	1	Cover	
5	2820031	AR	Heat Shrink	
6	4460466	8	Plug, Terminal	
7	4460473	1	Clamp, Cable	
8	4460865	1	Connector - 19 Pin Plug	
9	4460866	1	Connector - 19 Pin Receptacle	
10	4922494	1	Boom Cable - Tower Boom (See Separate Breakdown in this Section)	
13	1001254465	1	Sensor, Harness - Boom Angle	
13	1001230931	1	Connector - 6 Position	
13	1001116748	6	Terminal	
14	1001254466	1	Sensor, Harness - Tele in Prox	
14	4460539	1	Plug, Male - 3 Position	
14	4460465	3	Socket, Female	
15	1001254467	1	Sensor, Harness - Mid Prox (See Separate Breakdown in this Section)	
16	1001254468	1	Sensor, Harness - Full Extension (See Separate Breakdown in this Section)	
17	1001257326	1	Cable, Electrical - 10/4 (Main Boom)	
18	1001156490	1	Cable, Electrical - 10/4 (Tower Boom)	
19	1001254463	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
20	4240033	1	Tie - Strap (Not Shown)	
21	1061033	1	Cable, Electrical 18/2	
22	1001181923	1	Hose Shield	

FIGURE 8-30. BOOM CABLE INSTALLATION - WITH 7500W GENERATOR

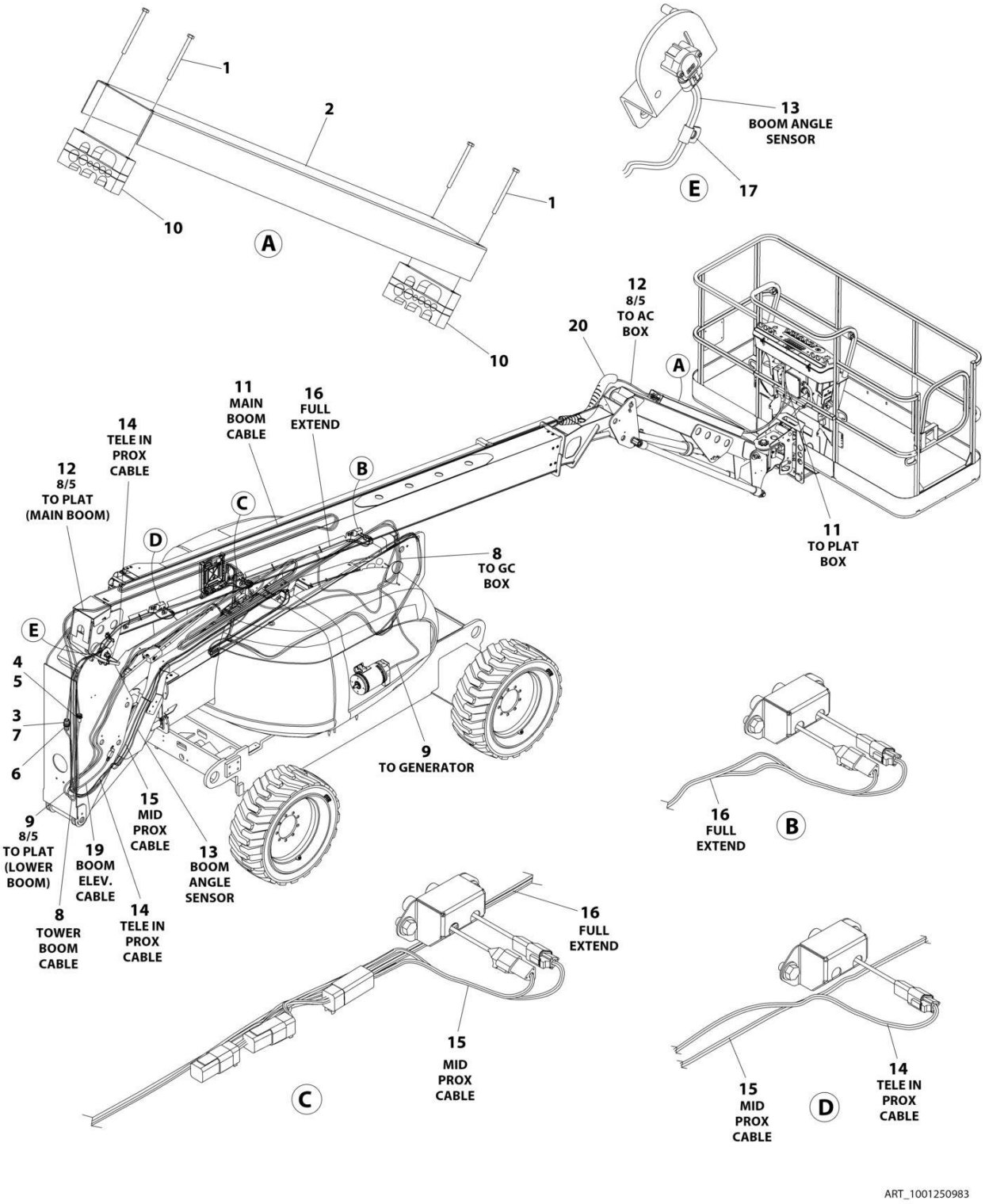


FIGURE 8-30. BOOM CABLE INSTALLATION - WITH 7500W GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250983	Ref	BOOM CABLES INSTALLATION	D
1	0700624	4	Bolt M6 x 80	
2	1671034	1	Cover	
3	2820031	AR	Heat Shrink	
4	4460466	8	Plug, Terminal	
5	4460473	1	Clamp, Cable	
6	4460865	1	Connector - 19 Pin Plug	
7	4460866	1	Connector - 19 Pin Receptacle	
8	4922494	1	Boom Cable - Tower Boom (See Separate Breakdown in this Section)	
9	4922811	1	Cable, Electrical - 8/5 (Tower Boom)	
10	1001165350	2	Block, Clamp	
11	1001254463	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
12	1001254464	1	Cable, Electrical - 8/5 (Main Boom)	
13	1001254465	1	Sensor, Harness - Boom Angle	
13	1001230931	1	Connector - 6 Position	
13	1001116748	6	Terminal	
14	1001254466	1	Sensor, Harness - Tele in Prox	
14	4460539	1	Plug, Male - 3 Position	
14	4460465	3	Socket, Female	
15	1001254467	1	Sensor, Harness - Mid Prox (See Separate Breakdown in this Section)	
16	1001254468	1	Sensor, Harness - Full Extension (See Separate Breakdown in this Section)	
17	1320263	1	Clamp	
18	4240033	1	Tie - Strap (Not Shown)	
19	1061033	1	Cable, Electrical 18/2	
20	1001181923	1	Hose Shield	

FIGURE 8-31. BOOM CABLE - MAIN BOOM

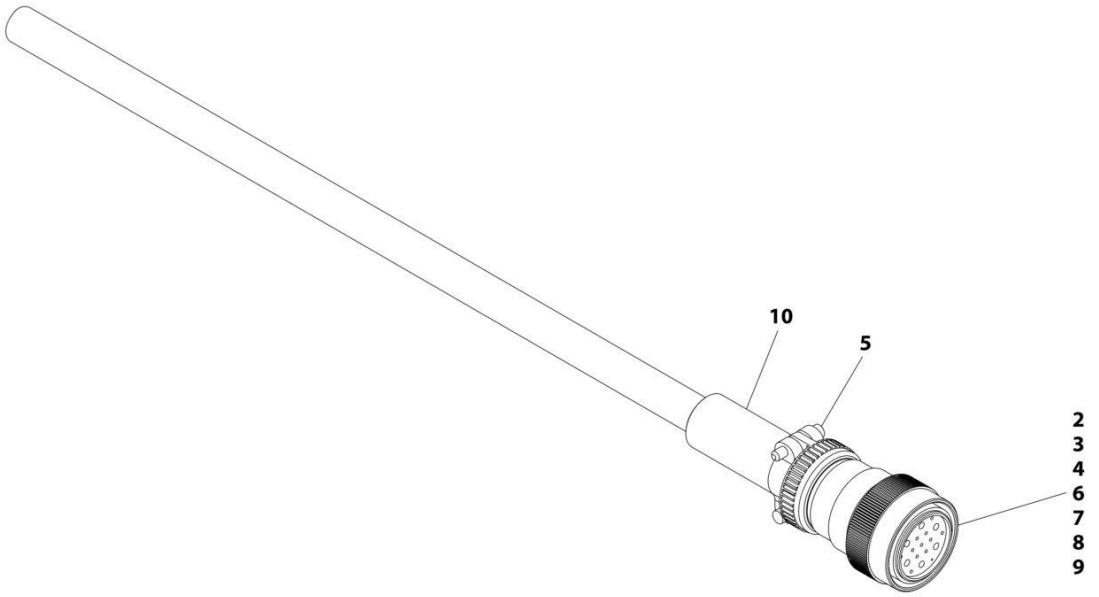


FIGURE 8-31. BOOM CABLE - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254463	Ref	BOOM CABLE - MAIN BOOM	A
2	4460465	11	Socket, Female	
3	4460865	1	Connector - 19 Position	
4	4460509	4	Socket, Female	
5	4460473	1	Clamp	
6	4460466	4	Plug, Terminal	
7	4460464	11	Pin, Male	
8	4460508	4	Pin, Male	
9	2820118	AR	Heatshrink, Clear	
10	1001226400	1	Insulate, Heatshrink	

FIGURE 8-32. BOOM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE)

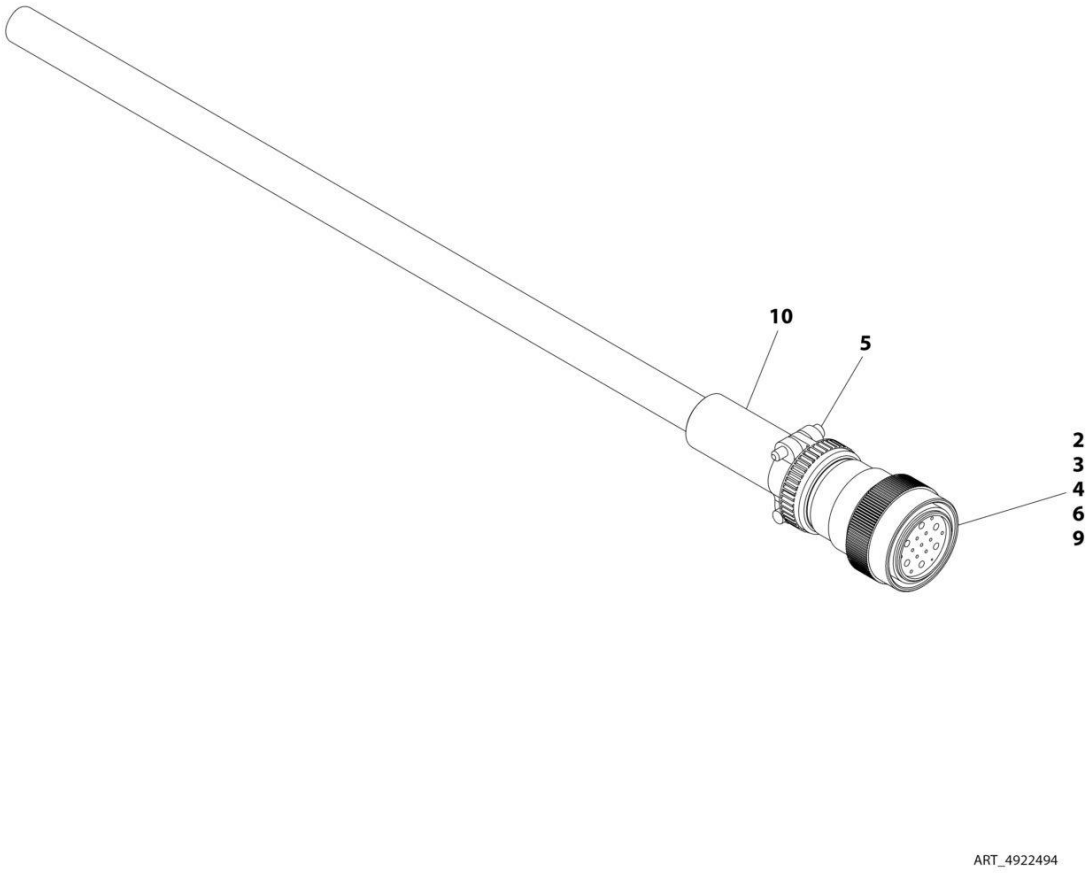


FIGURE 8-32. BOOM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922494	Ref	BOOM CABLE - TOWER BOOM	C
2	4460465	22	Socket, Female	
3	4460865	1	Connector - 19 Position	
4	4460509	8	Socket, Female	
5	4460473	1	Clamp	
6	4460466	4	Plug, Terminal	
9	2820118	AR	Heatshrink, Clear	
10	1001226400	1	Insulate, Heatshrink	

FIGURE 8-33. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITH 4000W/50HZ GENERATOR)

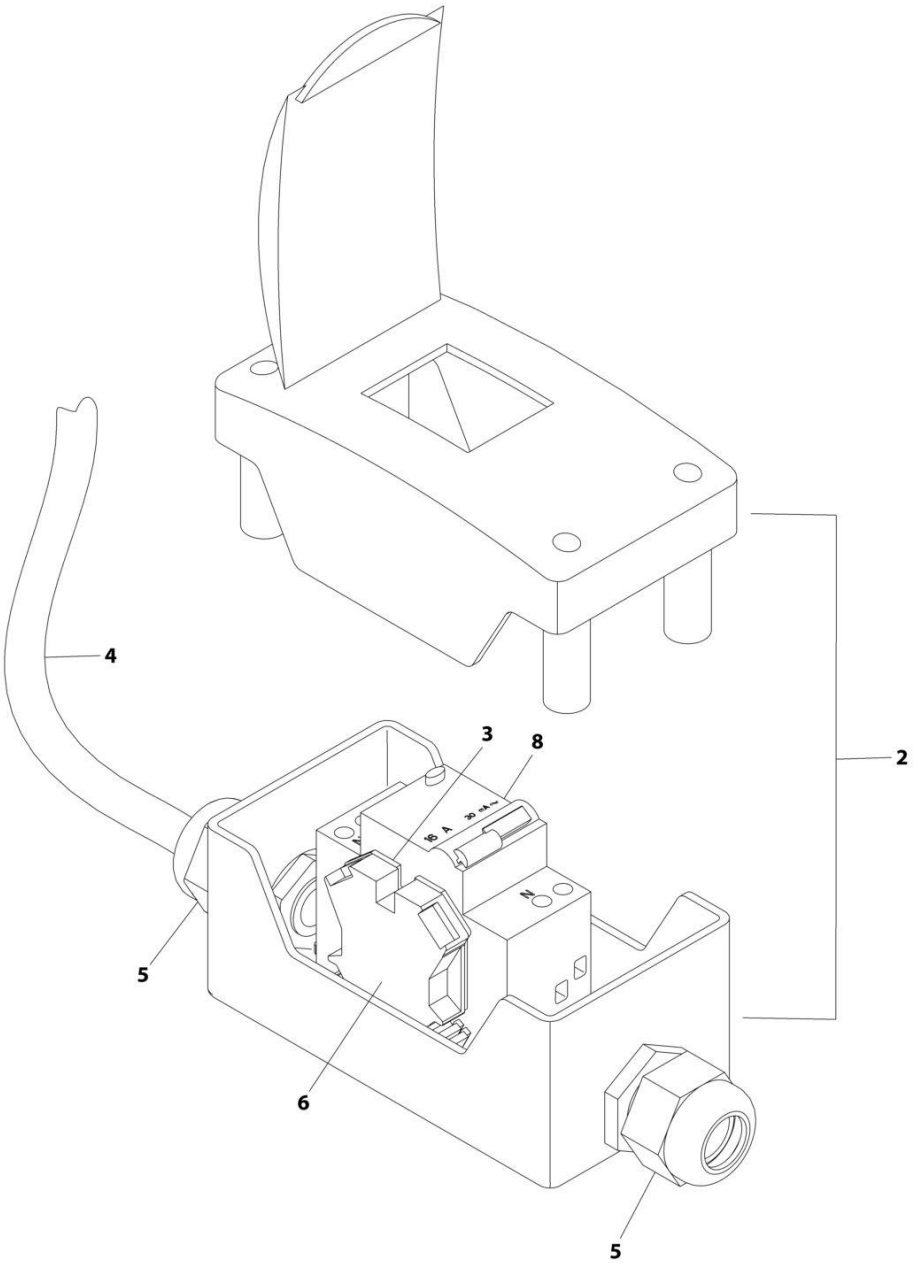


FIGURE 8-33. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITH 4000W/50HZ GENERATOR)

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 8-34. BREAKER BOX KIT - 30MA/16 AMP (WITH GENERATOR)

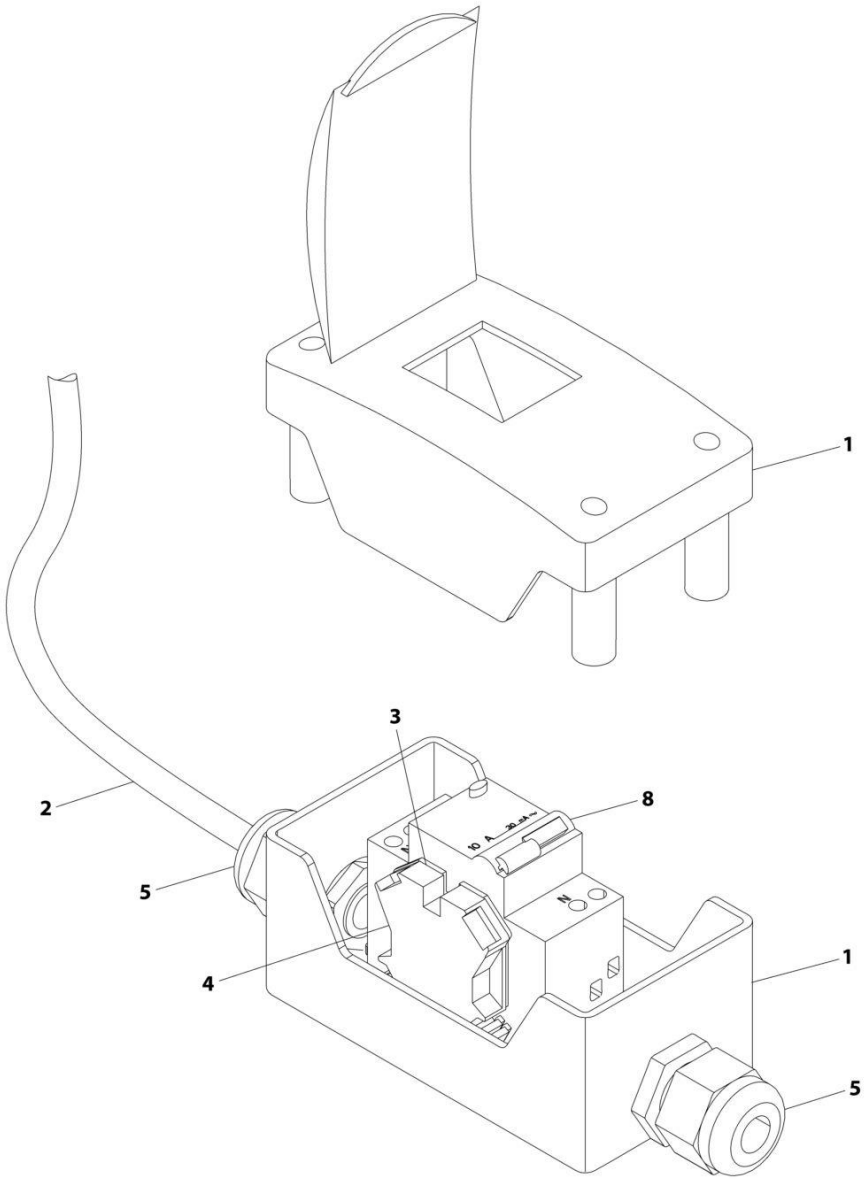


FIGURE 8-34. BREAKER BOX KIT - 30MA/16 AMP (WITH GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001109554	Ref	BREAKER BOX KIT - 30mA/16 AMP	C
1	0861880	1	Box, Breaker	
2	1060908	12 ft /3.6m	Cable, Electrical 12/3	
3	4460956	1	Barrier, Terminal Block End	
4	4460957	1	Block, Terminal	
5	1001097150	2	Connector, Strain Relief	
8	1001181046	1	Breaker, Double 30mA/16Amp	

FIGURE 8-35. ENGINE HARNESS ASSEMBLY (DEUTZ D2011 ENGINES) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

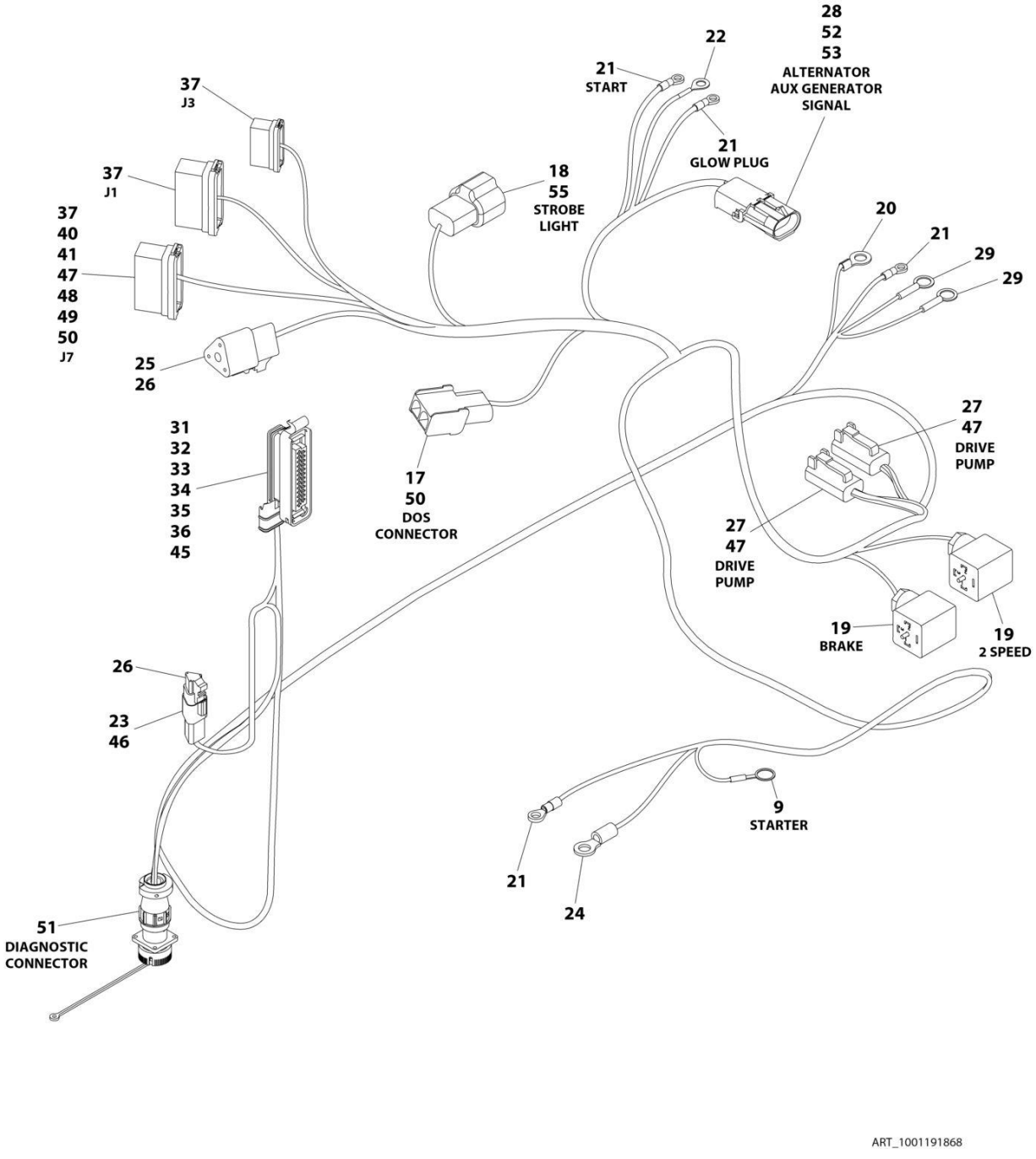


FIGURE 8-35. ENGINE HARNESS ASSEMBLY (DEUTZ D2011 ENGINES) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191868	Ref	ENGINE HARNESS - DEUTZ D2011 ENGINES	C
9	4460142	1	Terminal, Ring	
17	4460424	1	Connector - 2 Position	
18	4460464	2	Pin, Male	
19	1001263923	2	DIN Connector without Diode	
20	4460312	1	Terminal, Ring	
21	4460313	4	Terminal, Ring	
22	4460019	1	Terminal, Ring	
23	4461070	1	Connector with Resistor - 3 Position	
24	4460043	1	Terminal, Ring	
25	4460539	1	Connector - 3 Position	
26	4460944	6	Socket, Female	
27	4460891	2	Connector - 2 Position	
28	4460458	6	Seal, Terminal	
29	4460256	2	Terminal, Ring	
31	4461052	1	Connector - 25 Position	
32	4461005	5	Terminal	
33	4461060	2	Terminal	
34	4461006	5	Seal, Terminal	
35	4461054	2	Seal, Terminal	
36	4461008	18	Plug, Terminal	
37	4460871	10	Socket, Female	
40	4460464	1	Pin, Male	
41	4460887	1	Pin, Male	
45	4461053	1	Cover, Plug	
46	4461095	1	Connector - 3 Position	
47	4460465	6	Socket, Female	
48	4460259	1	Terminal	
49	4460260	1	Housing, Terminal	
50	4460226	2	Socket, Female	
51	2902443	1	Receptacle Kit	
51	4461071	8	Socket, Female	
51	4461072	1	Receptacle with Flange - 8 Position	
51	4461073	1	Cap, Dust	
51	4461074	1	Shell, Black	
52	4461157	1	Connector - 2 Position	
53	4460979	2	Pin, Male	
55	4460897	1	Connector - 2 Position	

FIGURE 8-36. ENGINE HARNESS ASSEMBLY (DEUTZ D2011 ENGINES) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

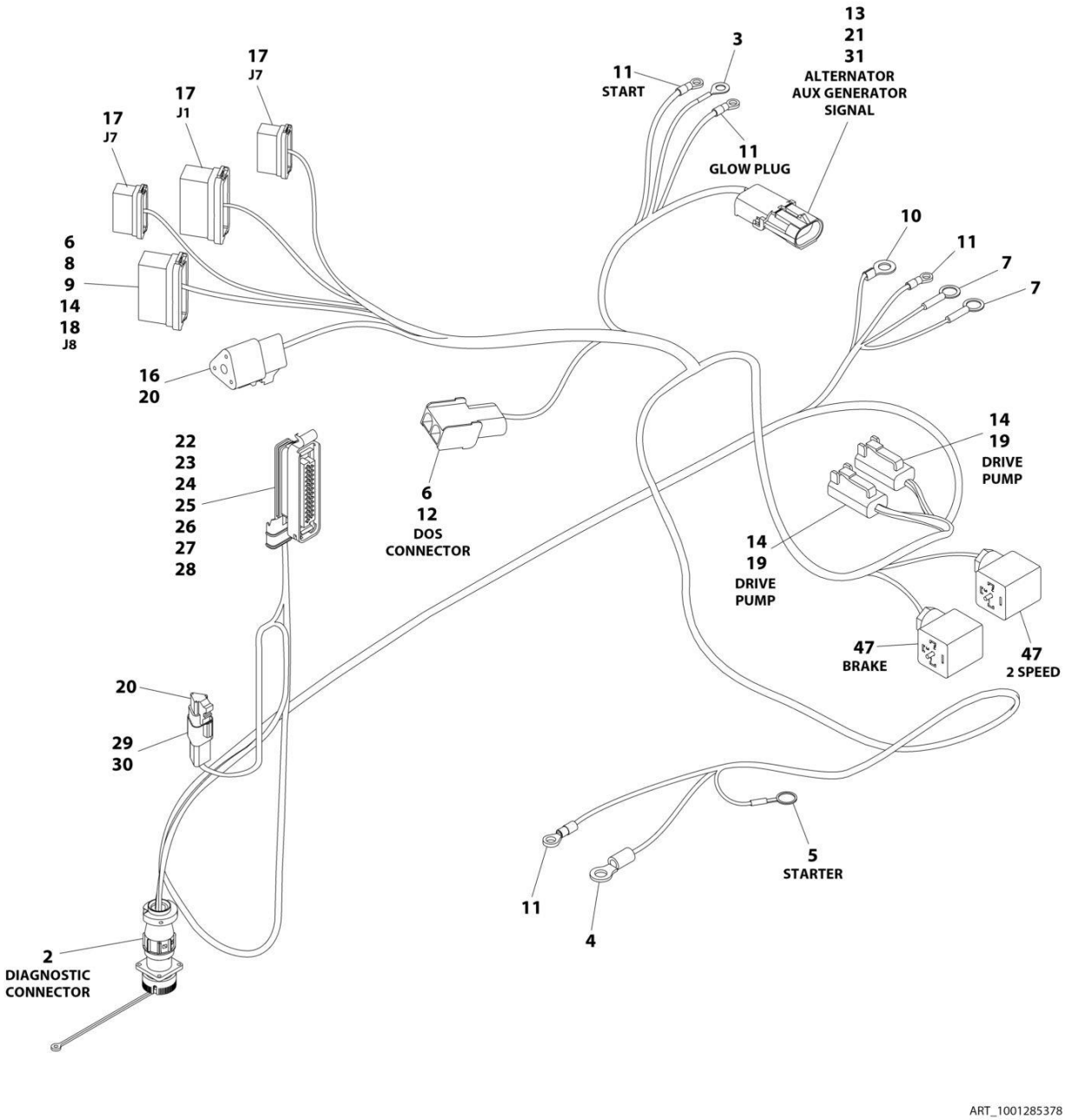


FIGURE 8-36. ENGINE HARNESS ASSEMBLY (DEUTZ D2011 ENGINES) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285378	Ref	ENGINE HARNESS - DEUTZ D2011 ENGINES	A
2	2902443	1	Receptacle Kit	
2	4461071	8	Socket	
2	4461072	1	Receptacle	
2	4461073	1	Cap, Dust	
2	4461074	1	Shell, Black	
3	4460019	1	Terminal, Ring	
4	4460043	1	Terminal, Ring	
5	4460142	1	Terminal, Ring	
6	4460226	4	Socket	
7	4460256	2	Terminal, Ring	
8	4460259	1	Terminal	
10	4460260	1	Housing, Terminal	
11	4460313	4	Terminal, Ring	
12	4460424	1	Connector	
13	4460458	2	Seal	
14	4460465	6	Socket	
16	4460539	1	Connector	
17	4460871	10	Socket	
18	4460887	1	Terminal	
19	4460891	2	Connector	
20	4460944	6	Socket	
21	4460979	2	Terminal	
22	4461005	5	Terminal	
23	4461006	5	Seal	
24	4461008	18	Plug, Terminal	
25	4461052	1	Connector	
26	4461053	1	Plug	
27	4461054	2	Seal	
28	4461060	2	Terminal	
29	4461070	1	Connector	
30	4461095	1	Terminal	
31	4461157	1	Connector	
47	1001263923	2	Connector	

FIGURE 8-37. ENGINE HARNESS ASSEMBLY (DEUTZ TD2.9L4 & DEUTZ DT2.2L3 STAGE V ENGINES) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

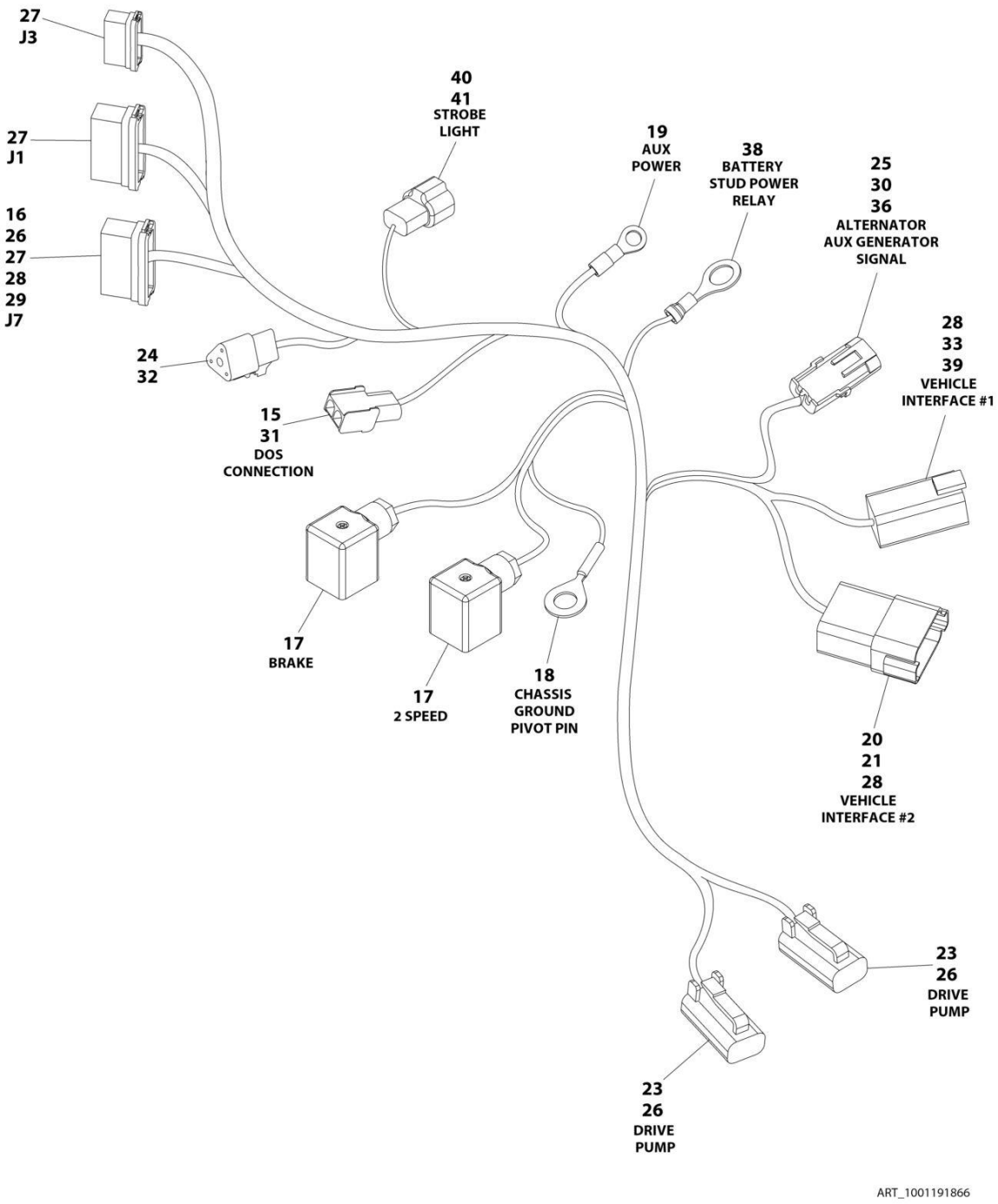


FIGURE 8-37. ENGINE HARNESS ASSEMBLY (DEUTZ TD2.9L4 & DEUTZ DT2.2L3 STAGE V ENGINES) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191866	Ref	ENGINE HARNESS	D
15	4460424	1	Connector - 2 Position	
16	4460268	1	Socket, Female	
17	1001263923	2	DIN Connector without Diode	
18	4460019	1	Terminal, Ring	
19	4460313	1	Terminal, Ring	
20	4460931	1	Connector - 8 Position	
21	4460466	4	Plug, Terminal	
23	4460891	2	Connector - 2 Position	
24	4460539	1	Connector - 3 Position	
25	4460458	2	Seal, Terminal	
26	4460465	7	Socket, Female	
27	4460871	11	Socket, Female	
28	4460464	8	Pin, Male	
29	4460887	1	Pin, Male	
30	4461157	1	Connector - 2 Position	
31	4460226	2	Socket, Female	
32	4460944	3	Socket, Female	
33	4460899	1	Connector - 6 Position	
36	4460979	2	Pin, Male	
38	4460738	1	Terminal, Ring	
39	4460943	3	Pin, Male	
40	4460897	1	Connector - 2 Position	
41	1001116693	2	Pin, Male	

FIGURE 8-38. ENGINE HARNESS ASSEMBLY (DEUTZ TD2.9L4 & DEUTZ DT2.2L3 STAGE V ENGINES) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

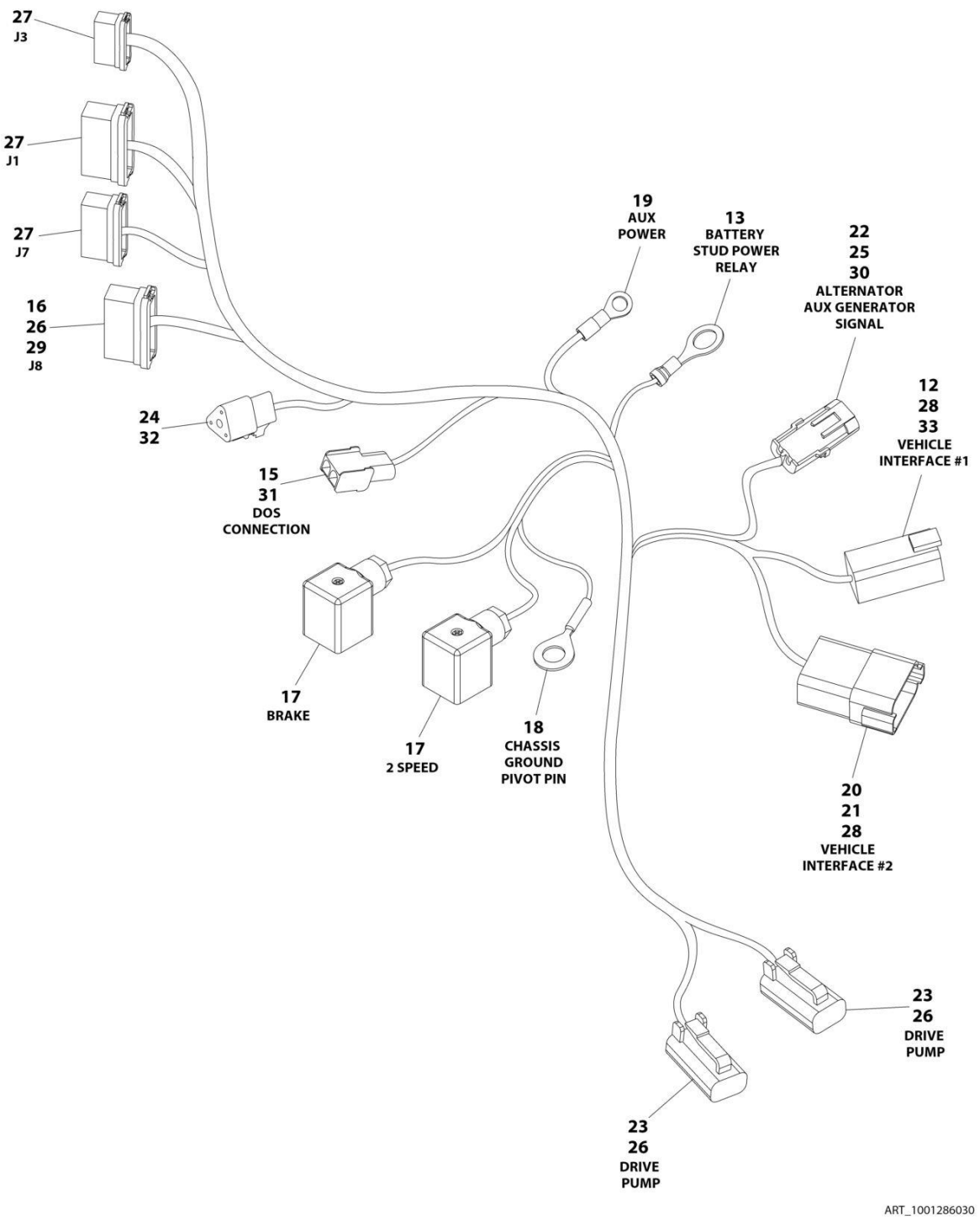
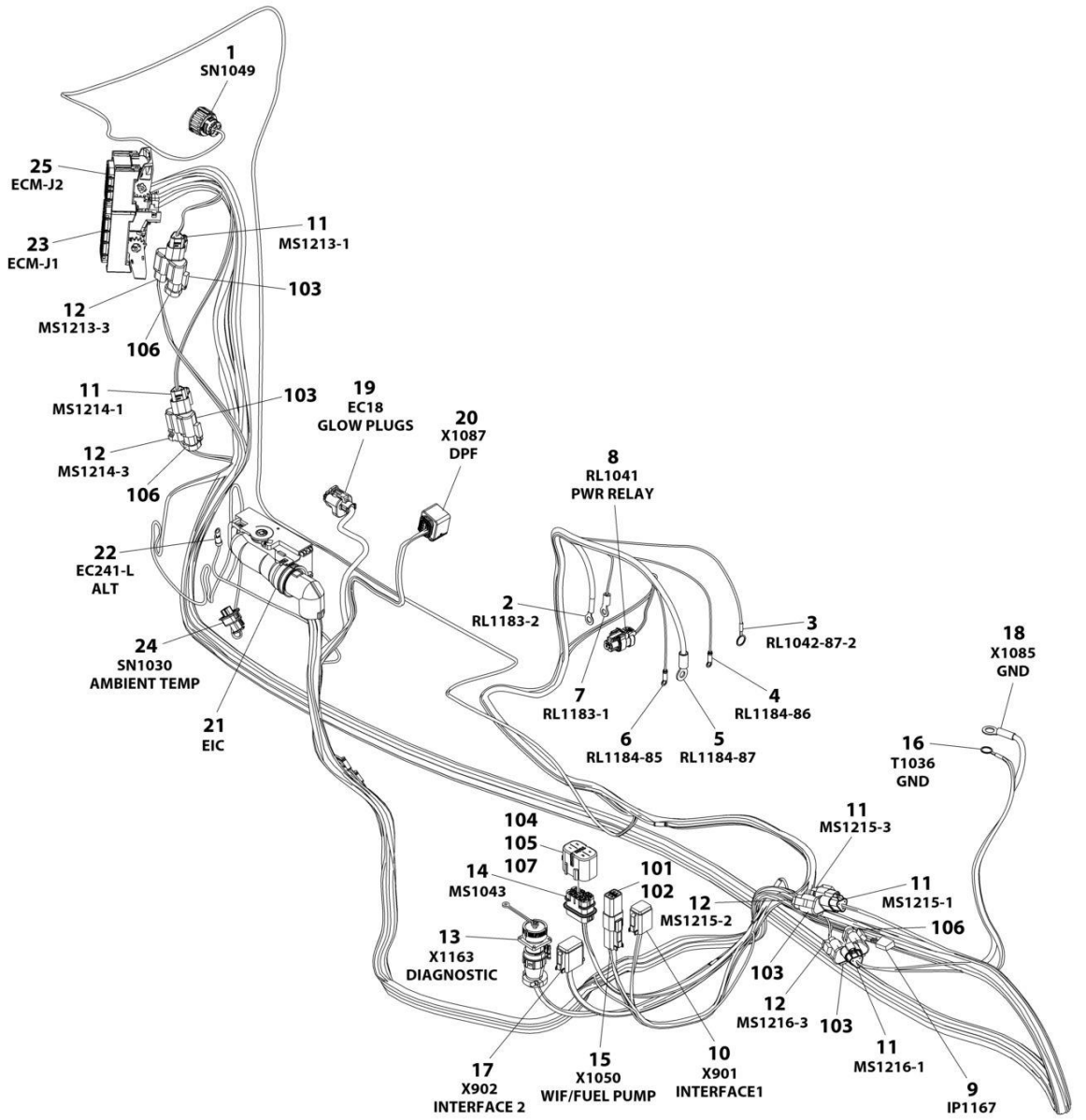


FIGURE 8-38. ENGINE HARNESS ASSEMBLY (DEUTZ TD2.9L4 & DEUTZ DT2.2L3 STAGE V ENGINES) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286030	Ref	ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES	A
12	4460943	3	Pin	
13	4460738	1	Terminal, Ring	
15	4460424	1	Connector	
16	4460268	1	Socket	
17	1001263923	2	DIN Connector without Diode	
18	4460019	1	Terminal, Ring	
19	4460313	1	Terminal, Ring	
20	4460931	1	Connector	
21	4460466	4	Plug, Terminal	
22	4460979	2	Pin	
23	4460891	2	Connector	
24	4460539	1	Connector	
25	4460458	2	Seal, Terminal	
26	4460465	7	Socket	
27	4460871	11	Socket	
28	4460464	8	Pin	
29	4460887	1	Pin	
30	4461157	1	Connector	
31	4460226	2	Socket	
32	4460944	3	Socket	
33	4460899	1	Connector	

FIGURE 8-39. ENGINE HARNESS - DEUTZ TD2.2L3 ENGINES (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)



ART_1001276645

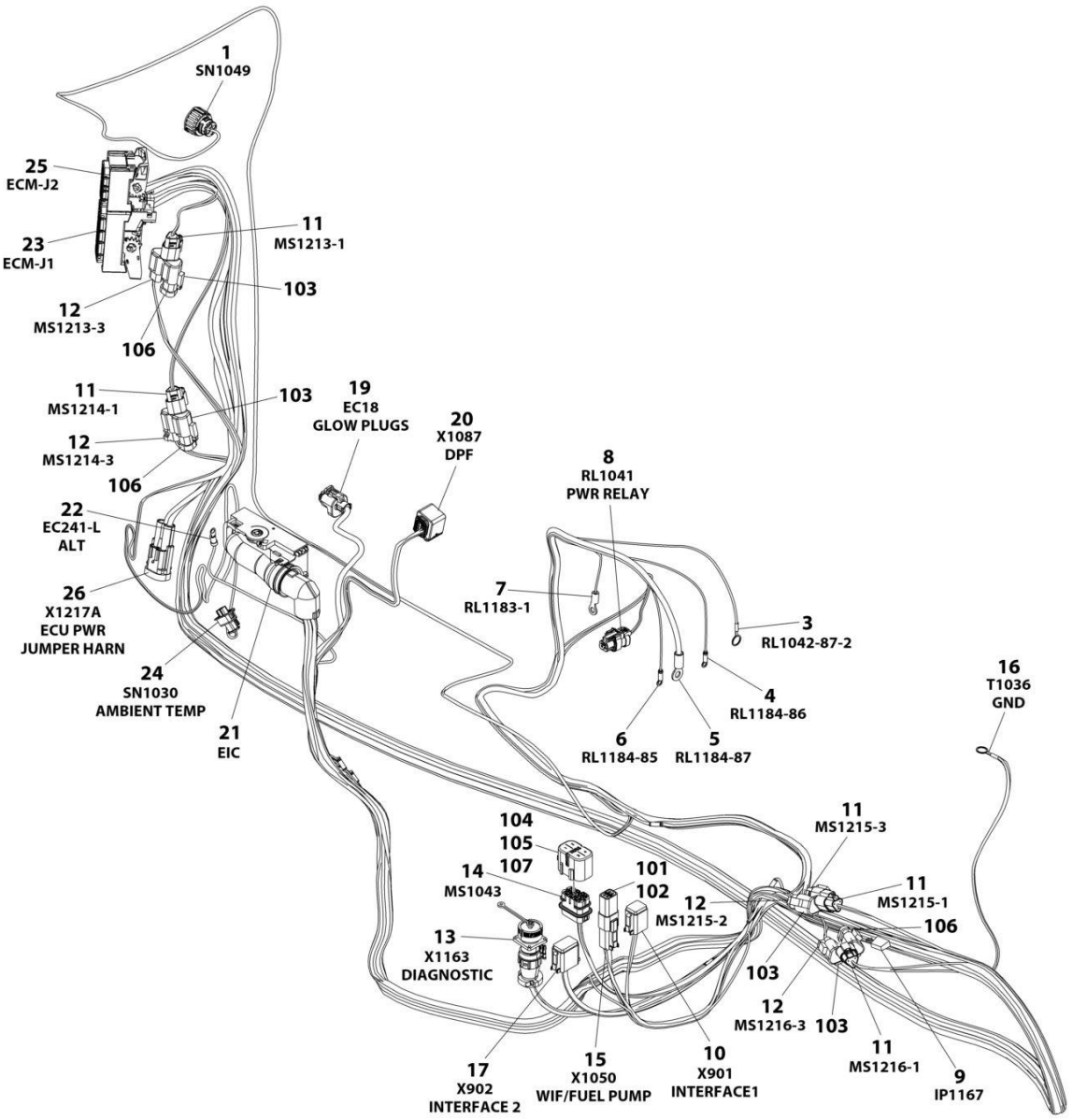
FIGURE 8-39. ENGINE HARNESS - DEUTZ TD2.2L3 ENGINES (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276645	Ref	ENGINE HARNESS	A
1	1001133714	1	Connector	
1	1001133715	3	Terminal	
1	1001135651	1	Plug	
1	1001135650	3	Seal	
2	1001117106	1	Terminal, Ring	
3	4460703	1	Terminal, Ring	
4	4460247	1	Terminal, Ring	
5	1001117107	1	Terminal, Ring	
6	4460247	1	Terminal, Ring	
7	4460043	1	Terminal, Ring	
8	1001116952	1	Connector	
8	4460465	2	Socket	
9	1001170764	1	Holder, Fuse	
9	1001197719	1	Resistor 0.5 Watt	
10	4460894	1	Connector	
10	4460465	2	Socket	
10	4460944	2	Socket	
10	4460466	2	Plug	
11	1001116812	5	Connector	
11	4460944	10	Socket	
11	4460466	5	Plug, Terminal	
12	4460539	4	Connector	
12	4460944	8	Socket	
12	4460466	4	Plug	
13	2902443	1	Receptacle Kit	
13	4461071	6	Terminal	
14	80484084	1	Connector	
14	1001116728	4	Terminal	
14	1001116727	4	Plug	
14	4460458	4	Plug	
15	4460884	1	Connector	
15	4460465	2	Socket	
15	4460942	1	Socket	
16	4460019	1	Terminal, Ring	
17	4460930	1	Connector	
17	4460465	7	Socket	
17	4460466	1	Plug	
18	8220164	1	Terminal, Ring	
19	1001253873	1	Connector	
19	1001142940	1	Terminal	
19	1001142941	1	Seal	
20	1001239202	1	Connector	
20	1001126363	7	Terminal	
20	1001126391	1	Seal, Terminal	
20	1001126364	7	Seal, Terminal	
21	1001126362	1	Connector	
21	1001126363	37	Terminal	
21	1001126365	2	Terminal	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	1001126391	9	Plug	
21	4461008	4	Plug	
21	1001126392	10	Terminal	
21	1001126364	37	Seal, Terminal	
21	1001223459	10	Seal, Terminal	
21	4461054	2	Seal	
22	4460042	1	Terminal, Ring	
23	1001133956	1	Connector	
23	1001126351	3	Terminal	
23	1001182361	6	Terminal	
23	1001252527	4	Terminal	
23	1001230934	25	Terminal	
23	1001230935	55	Plug	
23	1001230936	1	Plug	
23	1001182365	6	Seal, Terminal	
24	1001126487	1	Connector	
24	1001167635	2	Terminal	
24	1001126485	2	Seal	
25	1001133957	1	Connector	
25	1001126351	11	Terminal	
25	1001230934	26	Terminal	
25	1001230935	10	Plug	
25	1001230936	13	Plug	
101	4460466	4	Plug	
102	4460932	1	Connector	
103	4460945	4	Receptacle	
104	8229242	1	Fuse, 5Amp	
105	80983191	1	Fuse, 10Amp	
106	1001116815	3	Connector	
107	1001147264	1	Cap	

FIGURE 8-40. ENGINE HARNESS - DEUTZ TD2.2L3 ENGINES (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)



ART_1001276645_B

FIGURE 8-40. ENGINE HARNESS - DEUTZ TD2.2L3 ENGINES (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276645	Ref	ENGINE HARNESS	B
1	1001133714	1	Connector	
1	1001133715	3	Terminal	
1	1001135651	1	Plug	
1	1001135650	3	Seal	
3	4460703	1	Terminal, Ring	
4	4460247	1	Terminal, Ring	
5	1001117107	1	Terminal, Ring	
6	4460247	1	Terminal, Ring	
7	4460043	1	Terminal, Ring	
8	1001116952	1	Connector	
8	4460465	2	Socket	
9	1001170764	1	Holder, Fuse	
9	1001197719	1	Resistor 0.5 Watt	
10	4460894	1	Connector	
10	4460465	2	Socket	
10	4460944	2	Socket	
10	4460466	2	Plug	
11	1001116812	5	Connector	
11	4460944	10	Socket	
11	4460466	5	Plug, Terminal	
12	4460539	4	Connector	
12	4460944	8	Socket	
12	4460466	4	Plug	
13	2902443	1	Receptacle Kit	
13	4461071	6	Terminal	
14	80484084	1	Connector	
14	1001116728	4	Terminal	
14	1001116727	4	Plug	
14	4460458	4	Plug	
15	4460884	1	Connector	
15	4460465	2	Socket	
15	4460942	1	Socket	
16	4460019	1	Terminal, Ring	
17	4460930	1	Connector	
17	4460465	7	Socket	
17	4460466	1	Plug	
19	1001253873	1	Connector	
19	1001142940	1	Terminal	
19	1001142941	1	Seal	
20	1001239202	1	Connector	
20	1001126363	7	Terminal	
20	1001126391	1	Seal, Terminal	
20	1001126364	7	Seal, Terminal	
21	1001126362	1	Connector	
21	1001126363	37	Terminal	
21	1001126365	2	Terminal	
21	1001126391	9	Plug	
21	4461008	4	Plug	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	1001126392	10	Terminal	
21	1001126364	37	Seal, Terminal	
21	1001223459	10	Seal, Terminal	
21	4461054	2	Seal	
22	4460042	1	Terminal, Ring	
23	1001133956	1	Connector	
23	1001126351	3	Terminal	
23	1001182361	6	Terminal	
23	1001252527	4	Terminal	
23	1001230934	25	Terminal	
23	1001230935	55	Plug	
23	1001230936	1	Plug	
23	1001182365	6	Seal, Terminal	
24	1001126487	1	Connector	
24	1001167635	2	Terminal	
24	1001126485	2	Seal	
25	1001133957	1	Connector	
25	1001126351	11	Terminal	
25	1001230934	26	Terminal	
25	1001230935	10	Plug	
25	1001230936	13	Plug	
26	1001289552	1	Connector	
26	1001289553	2	Socket	
26	1001142941	2	Plug	
101	4460466	4	Plug	
102	4460932	1	Connector	
103	4460945	4	Receptacle	
104	8229242	1	Fuse, 5Amp	
105	80983191	1	Fuse, 10Amp	
106	1001116815	3	Connector	
107	1001147264	1	Cap	

FIGURE 8-41. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES

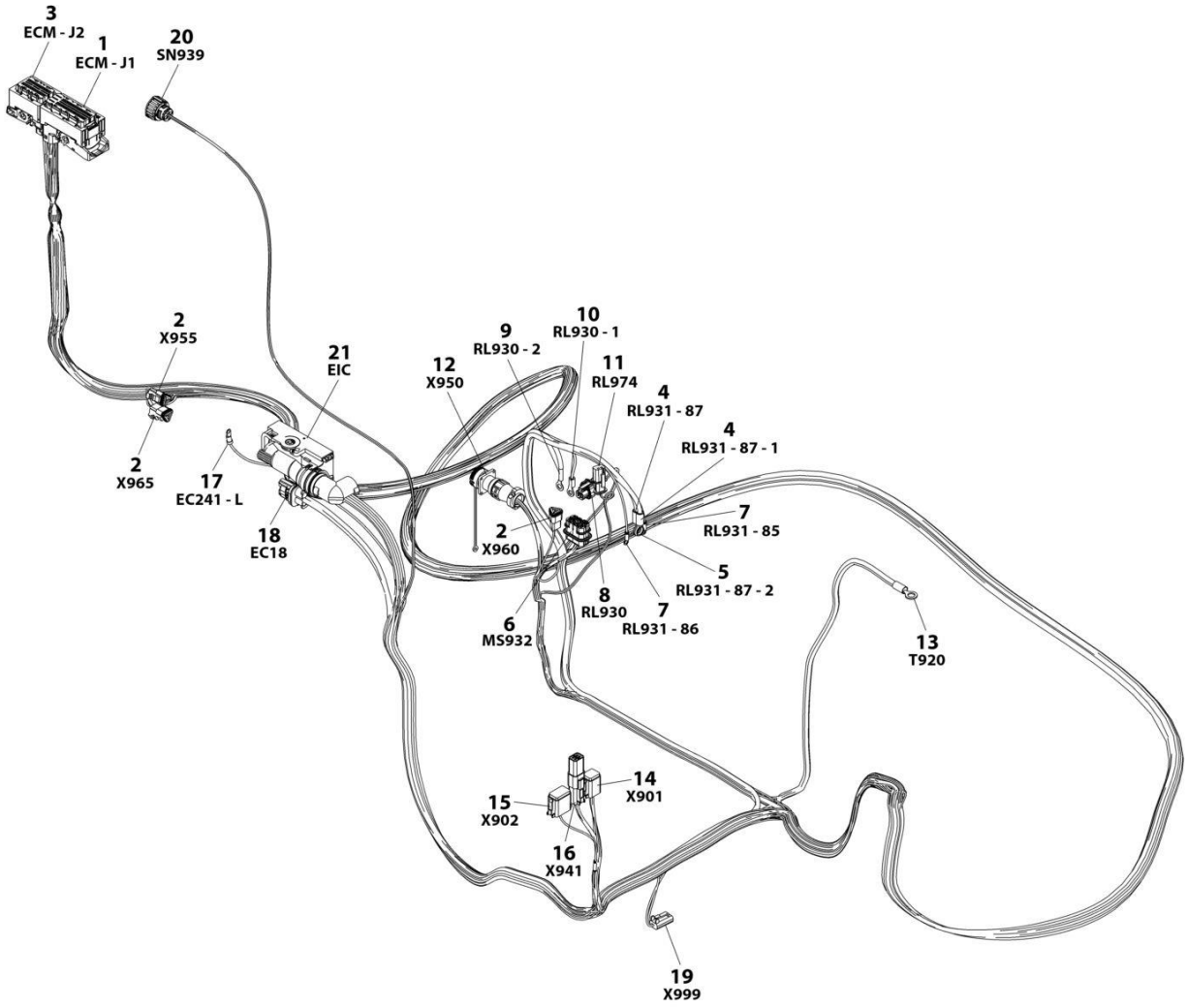


FIGURE 8-41. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001143726	Ref	ENGINE HARNESS	L
1	1001133956	1	Connector - 94 Position	
1	1001126351	2	Terminal	
1	1001126352	6	Terminal	
1	1001126384	21	Terminal	
1	1001126357	2	Plug, Terminal	
1	1001126356	63	Plug, Terminal	
2	4461095	3	Plug, Male - 3 Position	
2	4460944	6	Socket, Female	
2	4460466	3	Plug, Terminal	
3	1001133957	1	Connector - 60 Position	
3	1001126351	13	Terminal	
3	1001126384	17	Terminal	
3	1001126357	11	Plug, Terminal	
3	1001126356	19	Plug, Terminal	
4	1001117107	2	Terminal, Ring	
5	4460703	1	Terminal, Ring	
6	80484084	1	Plug, Male - 8 Position	
6	8229242	1	Fuse - 5Amp	
6	80983191	1	Fuse - 10Amp	
6	1001116728	4	Socket, Female	
6	1001116727	4	Plug, Terminal	
6	4460458	4	Seal, Terminal	
6	1001147264	1	Cap	
7	4460247	2	Terminal, Ring	
8	1001116952	1	Plug, Male - 2 Position	
8	4460465	2	Socket, Female	
9	1001117106	1	Terminal, Ring	
10	4460043	1	Terminal, Ring	
11	1001138110	1	Connector - 2 Position	
11	1001138111	2	Termianl	
11	1001138113	2	Seal	
12	2902443	1	Receptacle Kit	
12	4461073	1	Cap, Dust	
12	4461071	6	Terminal	
13	8220115	1	Terminal, Ring	
14	4460894	1	Plug, Male - 6 Position	
14	4460465	3	Socket, Female	
14	4460944	2	Socket, Female	
14	4460466	1	Plug, Terminal	
15	4460930	1	Plug, Male - 8 Position	
15	4460465	1	Socket, Female	
15	4460466	7	Plug, Terminal	
16	1001220379	1	Plug, Male - 4 Position	
16	4460465	2	Socket, Female	
16	4460942	2	Socket, Female	
16	4460932	1	Receptacle, Bussbar - 4 Position	
17	4460042	1	Terminal, Ring	
18	1001142938	1	Plug, Male - 2 Position	
18	1001142940	2	Terminal	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	1001142941	2	Seal	
19	4460891	1	Plug, Male - 4 Position	
19	4460465	2	Socket, Female	
19	1001171403	1	Resistor Assembly	
19	4460897	1	Receptacle, Female - 4 Position	
20	1001133714	1	Connector - 4 Position	
20	1001133715	3	Terminal	
20	1001135650	3	Seal, Terminal	
20	1001135651	1	Plug, Terminal	
21	1001126362	1	Connector - 62 Position	
21	1001126363	23	Terminal	
21	1001126392	10	Terminal	
21	1001126365	2	Terminal	
21	1001126391	23	Plug, Terminal	
21	4461008	4	Plug, Terminal	
21	1001256506	2	Seal, Terminal	
21	1001126364	21	Seal, Terminal	
21	1001223459	10	Seal, Terminal	
21	4461008	4	Plug, Terminal	
21	1001151856	1	Elbow	

FIGURE 8-42. ENGINE HARNESS ASSEMBLY (FORD DF2.5L ENGINES) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

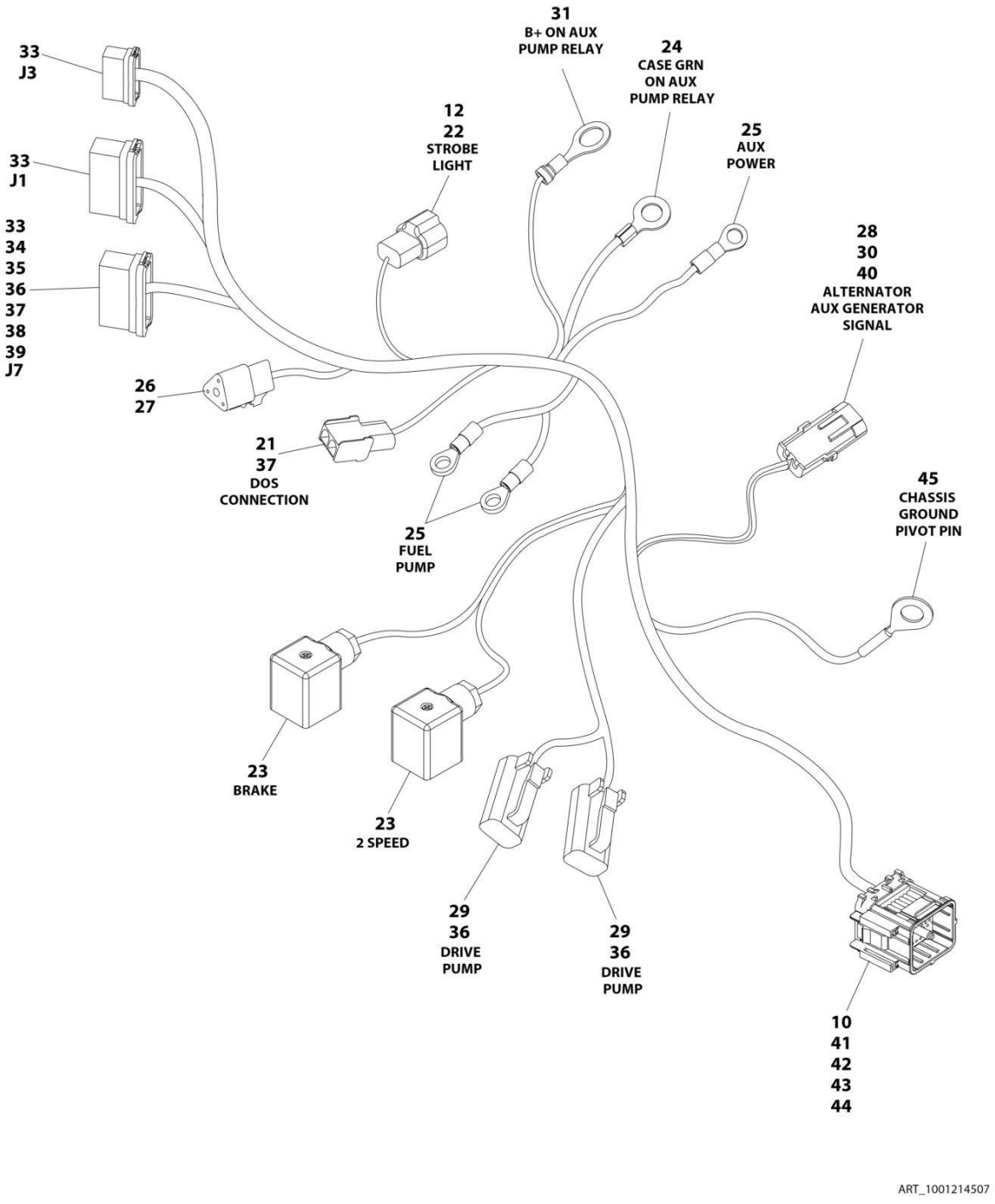


FIGURE 8-42. ENGINE HARNESS ASSEMBLY (FORD DF2.5L ENGINES) (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214507	Ref	ENGINE HARNESS – FORD DF2.5L ENGINES	F
10	1001216213	3	Plug, Terminal	
12	4460897	1	Connector - 2 Position	
21	4460424	1	Connector - 2 Position	
22	1001116693	2	Pin, Male	
23	1001263923	2	DIN Connector without Diode	
24	4460312	1	Terminal, Ring	
25	4460313	3	Terminal, Ring	
26	4460539	1	Connector - 3 Position	
27	4460944	3	Socket, Female	
28	4461157	1	Connector - 2 Position	
29	4460891	2	Connector - 2 Position	
30	4460458	2	Seal, Terminal	
31	4460738	1	Terminal, Ring	
33	4460871	9	Socket, Female	
34	4460464	1	Pin, Male	
35	4460887	1	Pin, Male	
36	4460465	6	Socket, Female	
37	4460226	3	Socket, Female	
38	4460259	1	Terminal	
39	4460260	1	Housing, Terminal	
40	4460979	2	Pin, Male	
41	1001215016	1	Connector - 42 Position	
42	1001215091	5	Terminal	
43	1001215534	33	Plug, Terminal	
44	1001216212	1	Terminal	
45	4460019	1	Terminal, Ring	

FIGURE 8-43. ENGINE HARNESS ASSEMBLY (FORD DF2.5L ENGINES) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

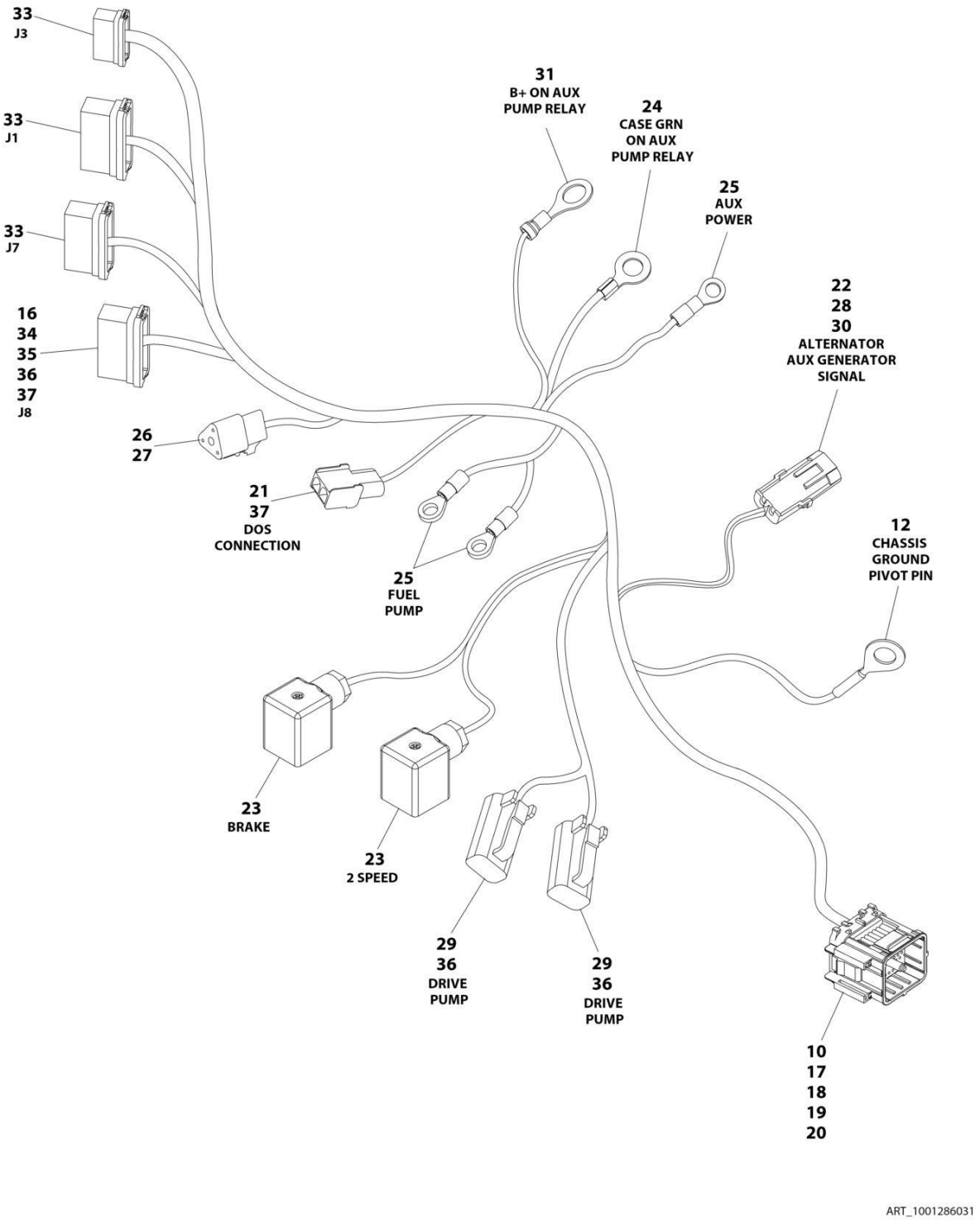


FIGURE 8-43. ENGINE HARNESS ASSEMBLY (FORD DF2.5L ENGINES) (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286031	Ref	ENGINE HARNESS - FORD DF2.5L ENGINES	A
10	1001216213	3	Plug, Terminal	
12	4460019	1	Terminal, Ring	
16	4460259	1	Terminal	
17	1001216212	1	Terminal	
18	1001215534	33	Plug, Terminal	
19	1001215091	5	Terminal	
20	1001215016	1	Connector	
21	4460424	1	Connector	
22	4460979	1	Terminal	
23	1001263923	2	DIN Connector without Diode	
24	4460312	1	Terminal, Ring	
25	4460313	3	Terminal, Ring	
26	4460539	1	Connector	
27	4460944	3	Socket	
28	4461157	1	Connector	
29	4460891	2	Connector	
30	4460458	2	Seal, Terminal	
31	4460738	1	Terminal, Ring	
33	4460871	9	Socket	
34	4460260	1	Housing, Terminal	
35	4460887	1	Pin	
36	4460465	6	Socket	
37	4460226	3	Socket	

FIGURE 8-44. ECU POWER JUMPER HARNESS

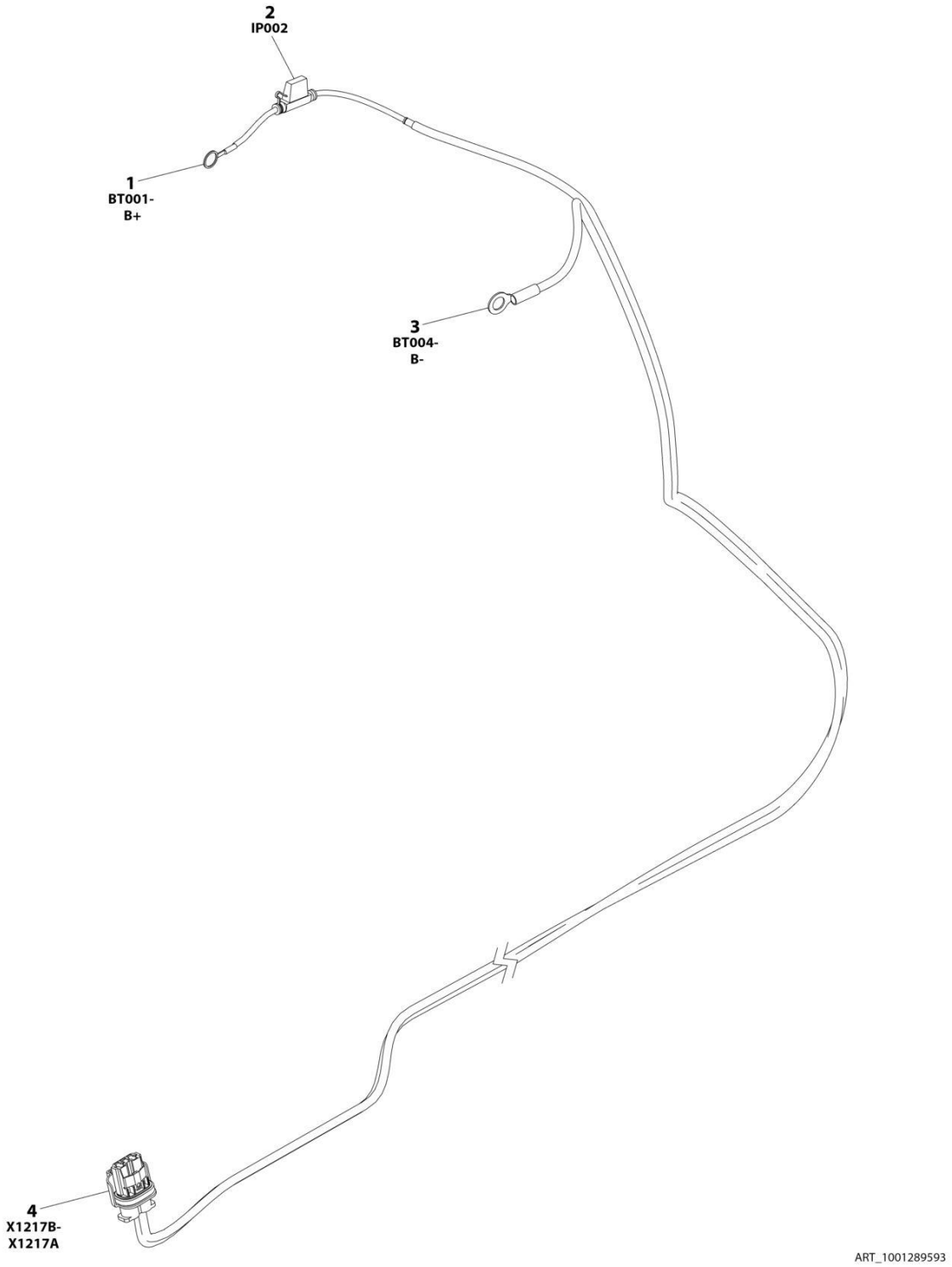


FIGURE 8-44. ECU POWER JUMPER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289593	Ref	ECU POWER JUMPER HARNESS	A
1	4460019	1	Terminal Ring	
2	1001172064	1	Fuse Holder	
2	1001172065	1	Fuse 30Amp	
3	8220164	1	Terminal Ring	
4	1001142938	1	Connector	
4	1001142940	2	Terminal	
4	1001142941	2	Seal	

FIGURE 8-45. FUEL HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE

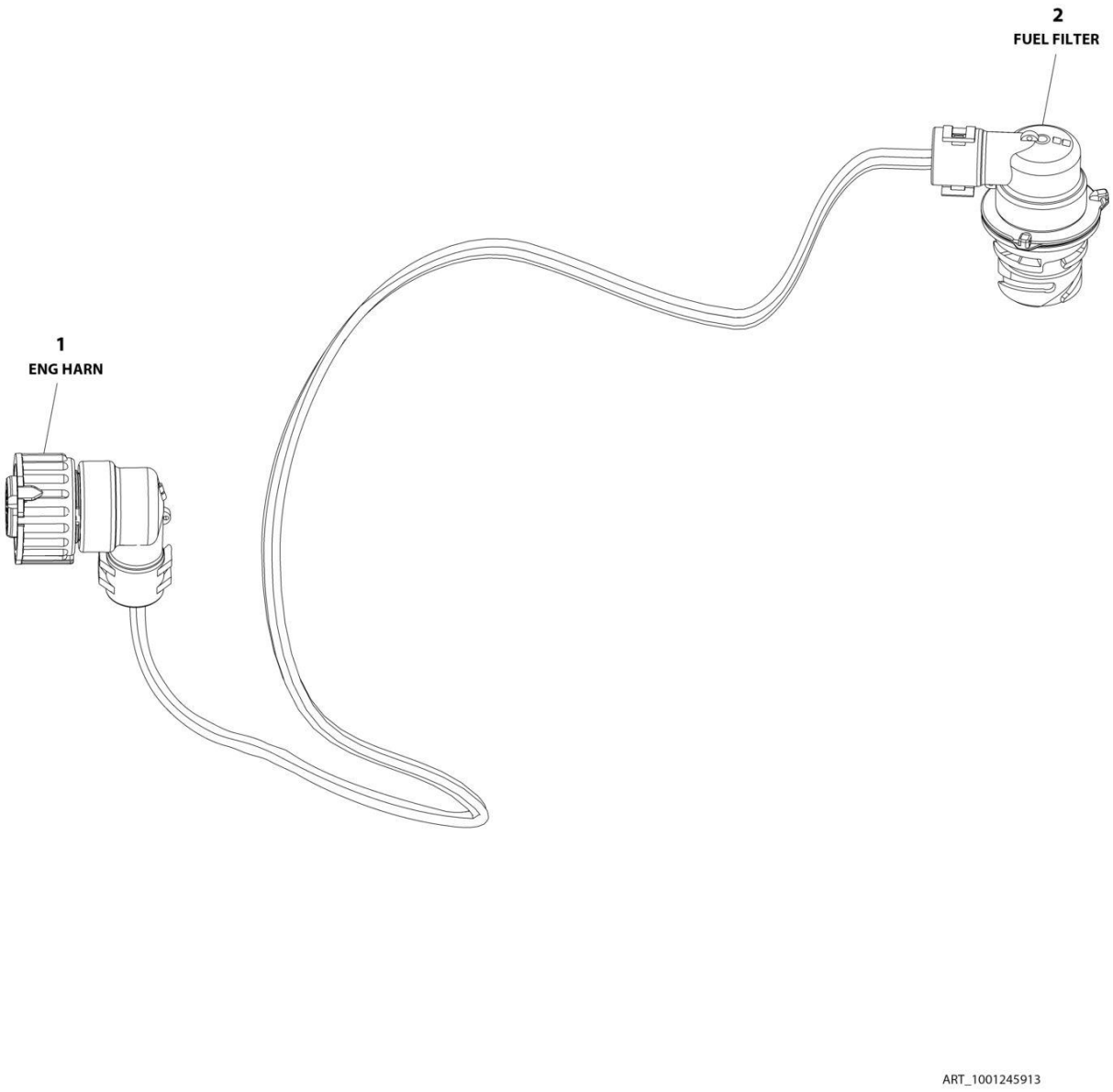


FIGURE 8-45. FUEL HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE

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

FIGURE 8-46. FUEL HARNESS - DEUTZ TD2.9L4 ENGINES

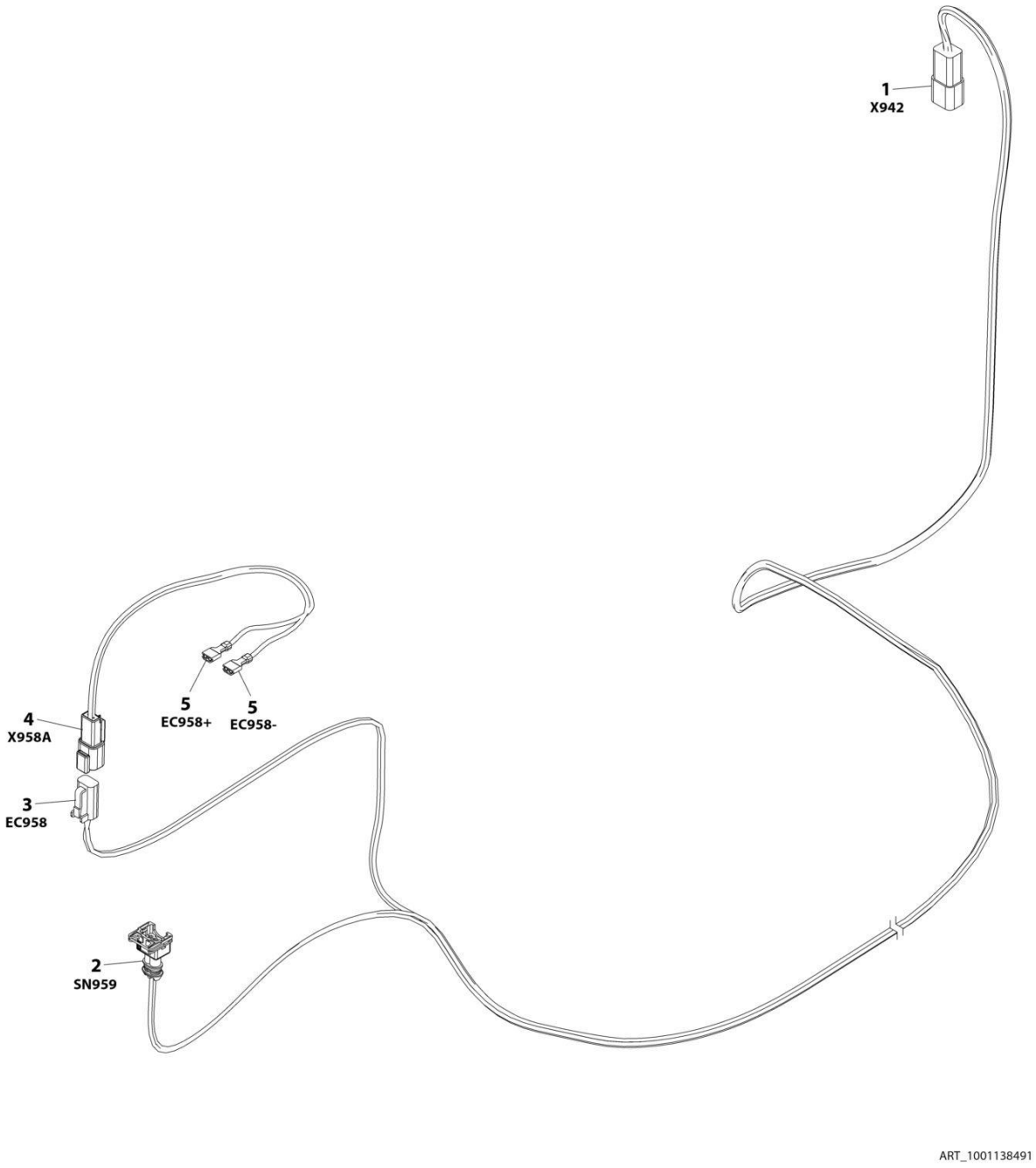


FIGURE 8-46. FUEL HARNESS - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001138491	Ref	FUEL PUMP HARNESS	D
1	4460932	1	Receptacle, Female - 4 Position	
1	4460941	2	Pin, Male	
1	4460464	2	Pin, Male	
2	1001116983	1	Plug, Male - 2 Position	
2	1001116710	2	Socket, Female	
2	4461054	2	Seal	
3	4460891	1	Plug, Male - 2 Position	
3	4460942	2	Socket, Female	
4	4460897	1	Connector - 2 Position	
4	4460941	2	Pin, Male	
5	8220051	2	Terminal, Ring	

FIGURE 8-47. FULL EXTENSION PROXIMITY HARNESS

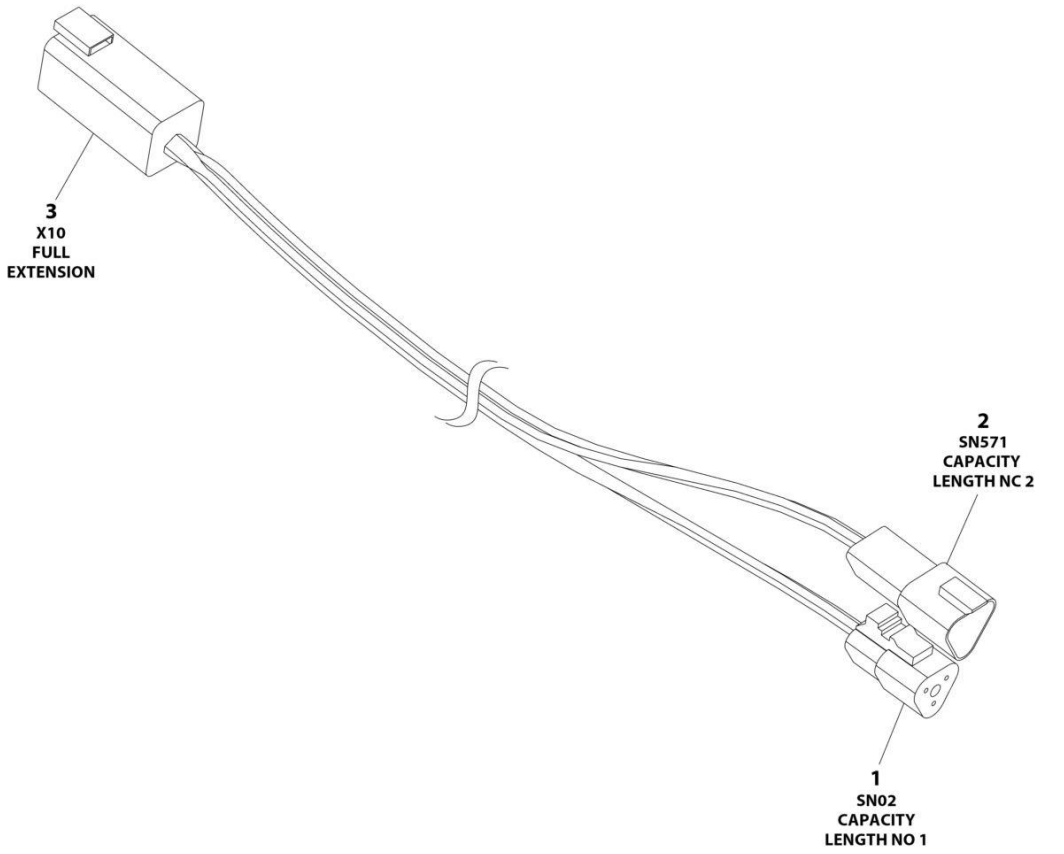


FIGURE 8-47. FULL EXTENSION PROXIMITY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254468	Ref	FULL EXTENTION PROXIMITY HARNESS	A
1	4460539	1	Plug, Male - 3 Position	
1	4460465	3	Socket, Female	
2	4460536	1	Receptacle, Female - 3 Position	
2	4640464	3	Pin, Male	
3	4460899	1	Receptacle, Female - 6 Position	
3	4460464	6	Pin, Male	

FIGURE 8-48. GENERATOR TO CONTROL BOX HARNESS - 4000W

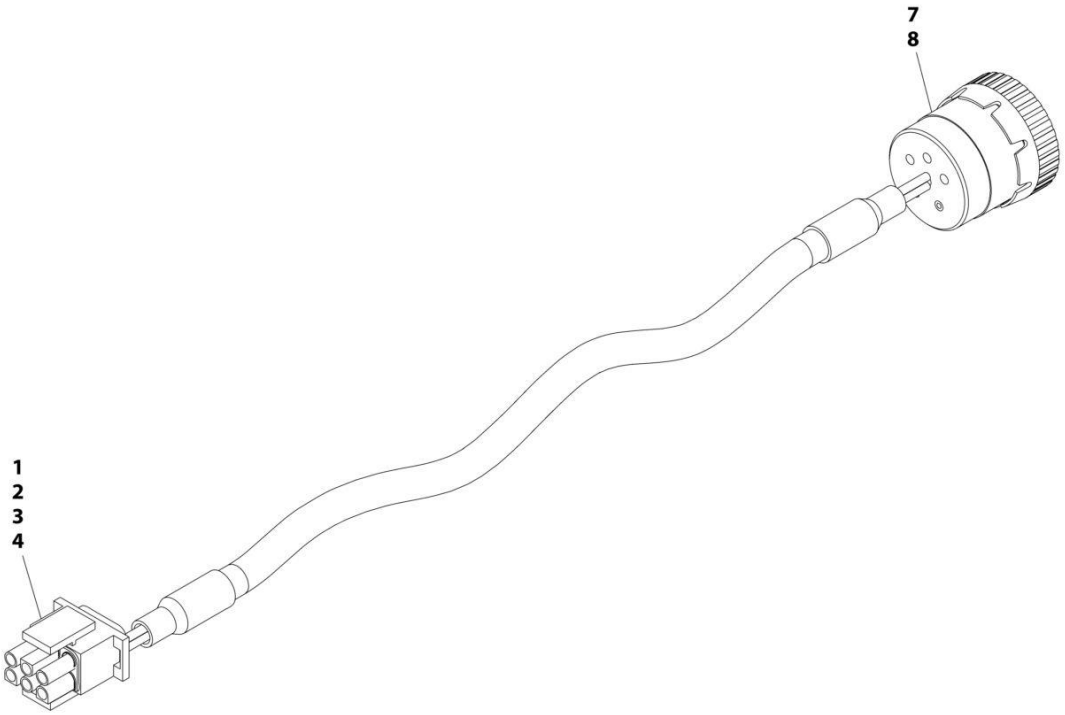


FIGURE 8-48. GENERATOR TO CONTROL BOX HARNESS - 4000W

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 8-49. GENERATOR TO CONTROL BOX HARNESS - 7500W GENERATOR

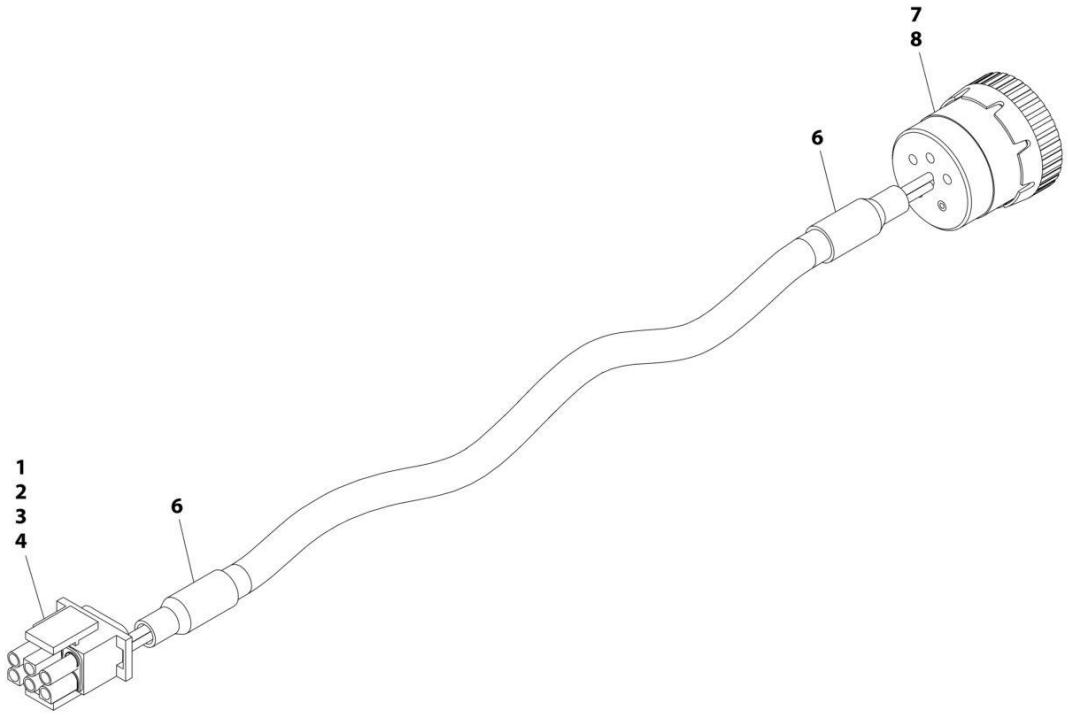
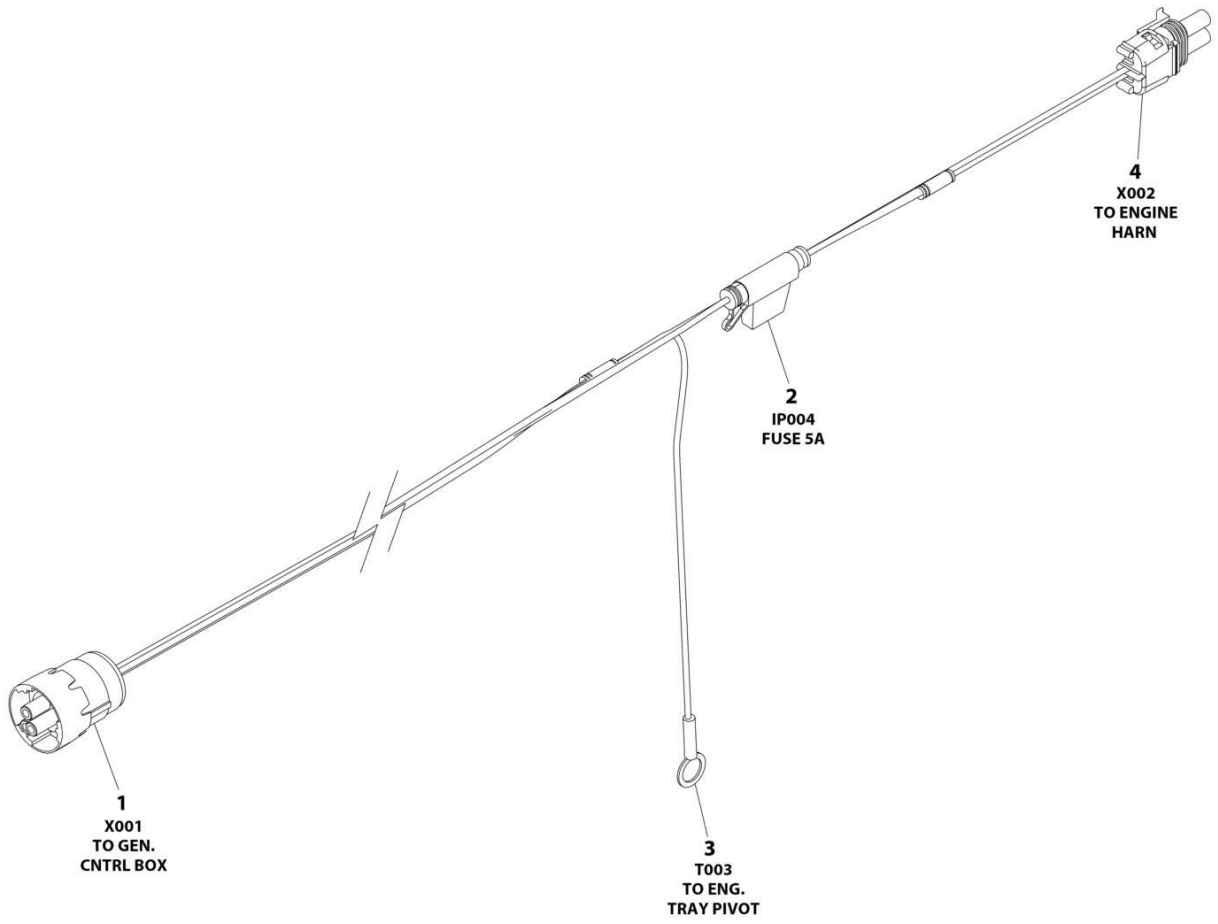


FIGURE 8-49. GENERATOR TO CONTROL BOX HARNESS - 7500W GENERATOR

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

FIGURE 8-50. GENERATOR HARNESS - 7500W GENERATOR (FORD ENGINES)



ART_1001257972

FIGURE 8-50. GENERATOR HARNESS - 7500W GENERATOR (FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257972	Ref	GENERATOR TO ENGINE HARNESS	A
1	4460967	1	Plug, Male - 3 Position	
1	4460465	3	Socket, Female	
2	2400060	1	Fuse-holder (Includes Cover)	
2	2400064	1	Fuse - 5Amp	
3	4460256	1	Terminal, Ring	
4	4460742	1	Plug, Male - 2 Position	
4	4460457	2	Socket, Female	
4	4460458	2	Seal, Terminal	

FIGURE 8-51. GENERATOR HARNESS - 7500W GENERATOR (DEUTZ TD2.9L4 ENGINES)

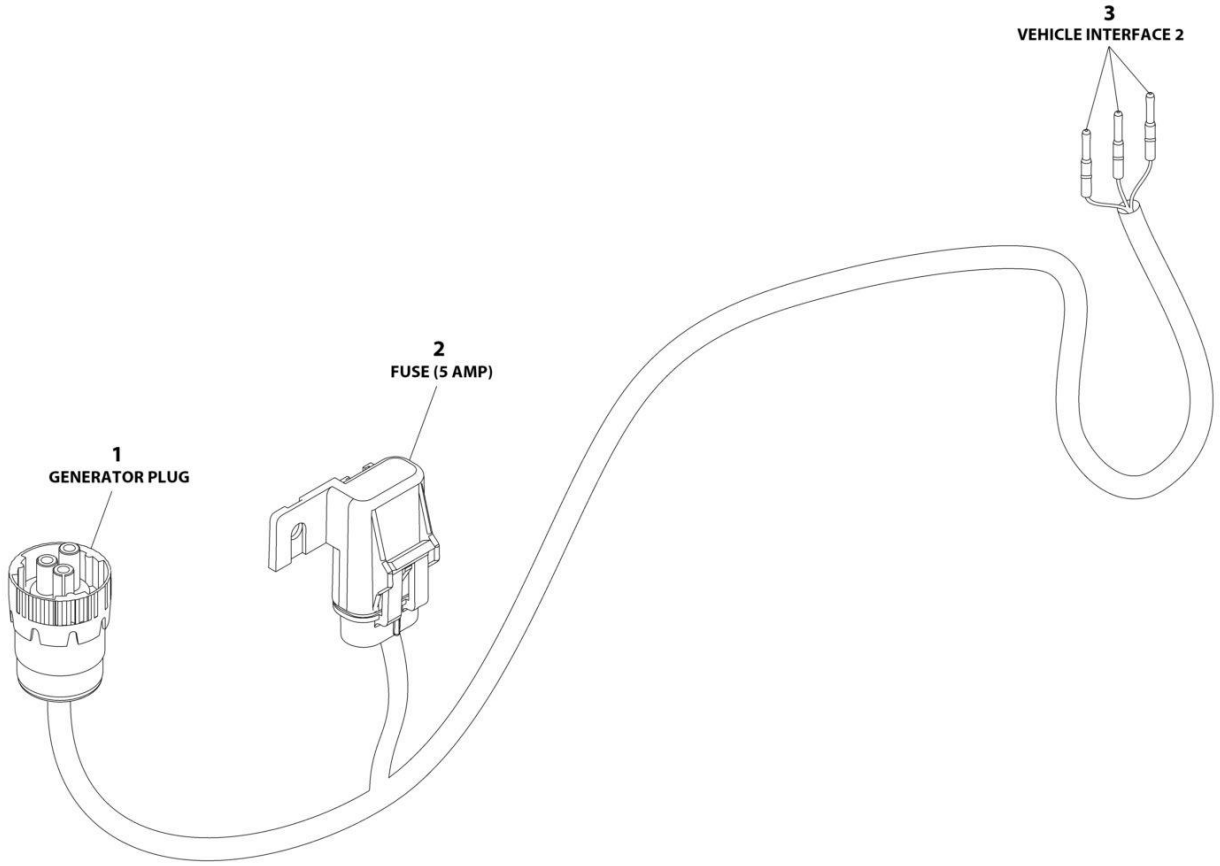


FIGURE 8-51. GENERATOR HARNESS - 7500W GENERATOR (DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119968	Ref	GENERATOR HARNESS - 7500W GENERATOR	C
1	4460967	1	Connector - 3 Position	
1	4460465	3	Socket, Female	
2	1001117078	1	Connector, Metri-Pack with 5Amp Fuse	
3	4460465	3	Socket, Female	

FIGURE 8-52. GENERATOR TO ENGINE HARNESS - 2500W

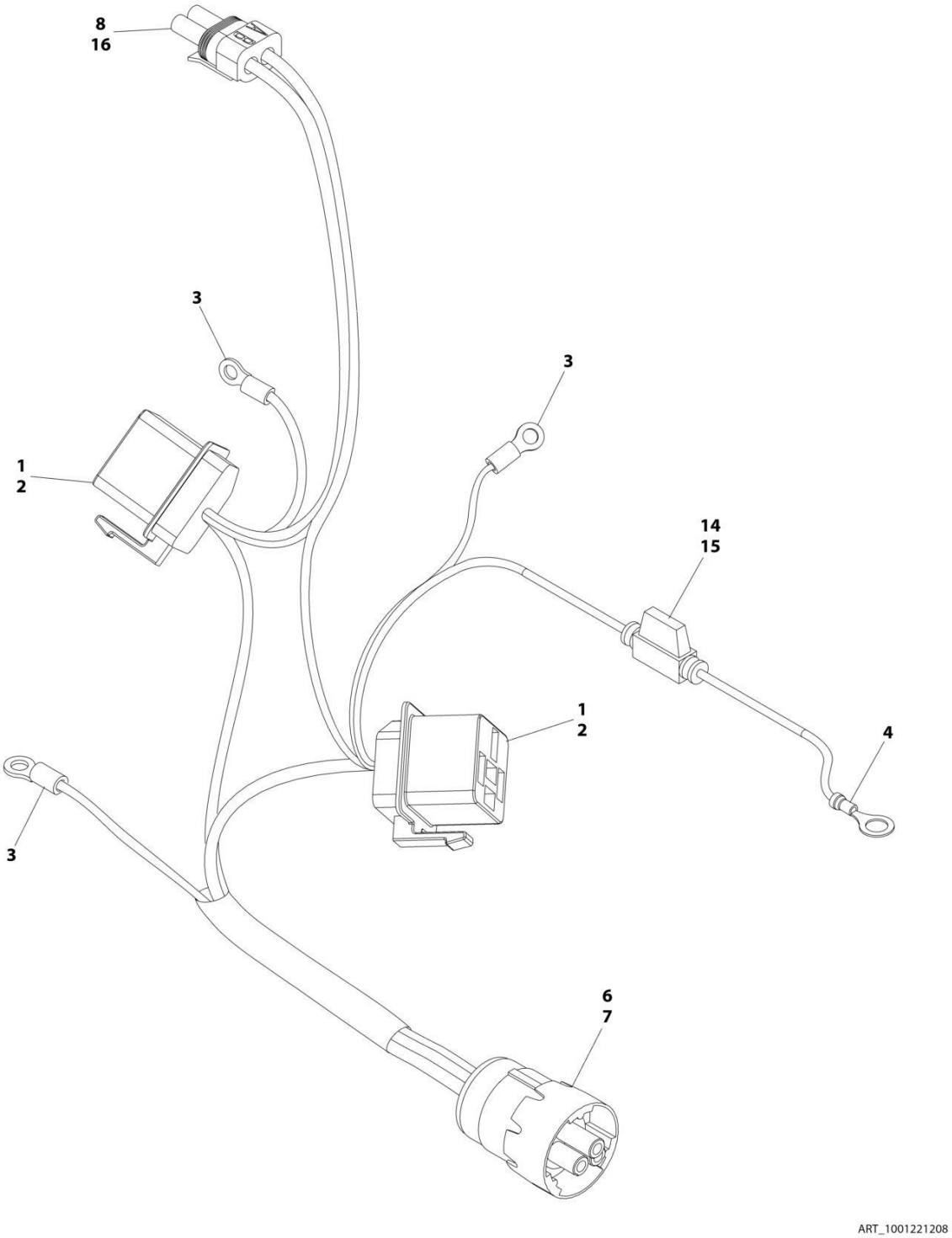


FIGURE 8-52. GENERATOR TO ENGINE HARNESS - 2500W

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221208	Ref	GENERATOR TO ENGINE HARNESS	A
1	4460374	2	Plug, Sealed Relay	
2	4460375	8	Terminal	
3	4460043	3	Terminal, Ring	
4	4460670	1	Terminal, Ring	
6	4460967	1	Plug, Male - 3 Position	
7	4460465	3	Socket, Female	
8	4460742	1	Plug, Male - 2 Position	
14	2400060	1	Fuseholder (Includes Cover)	
15	2400064	1	Fuse - 5Amp	
16	4460743	2	Socket, Female	

FIGURE 8-53. GENERATOR TO ENGINE HARNESS - 4000W

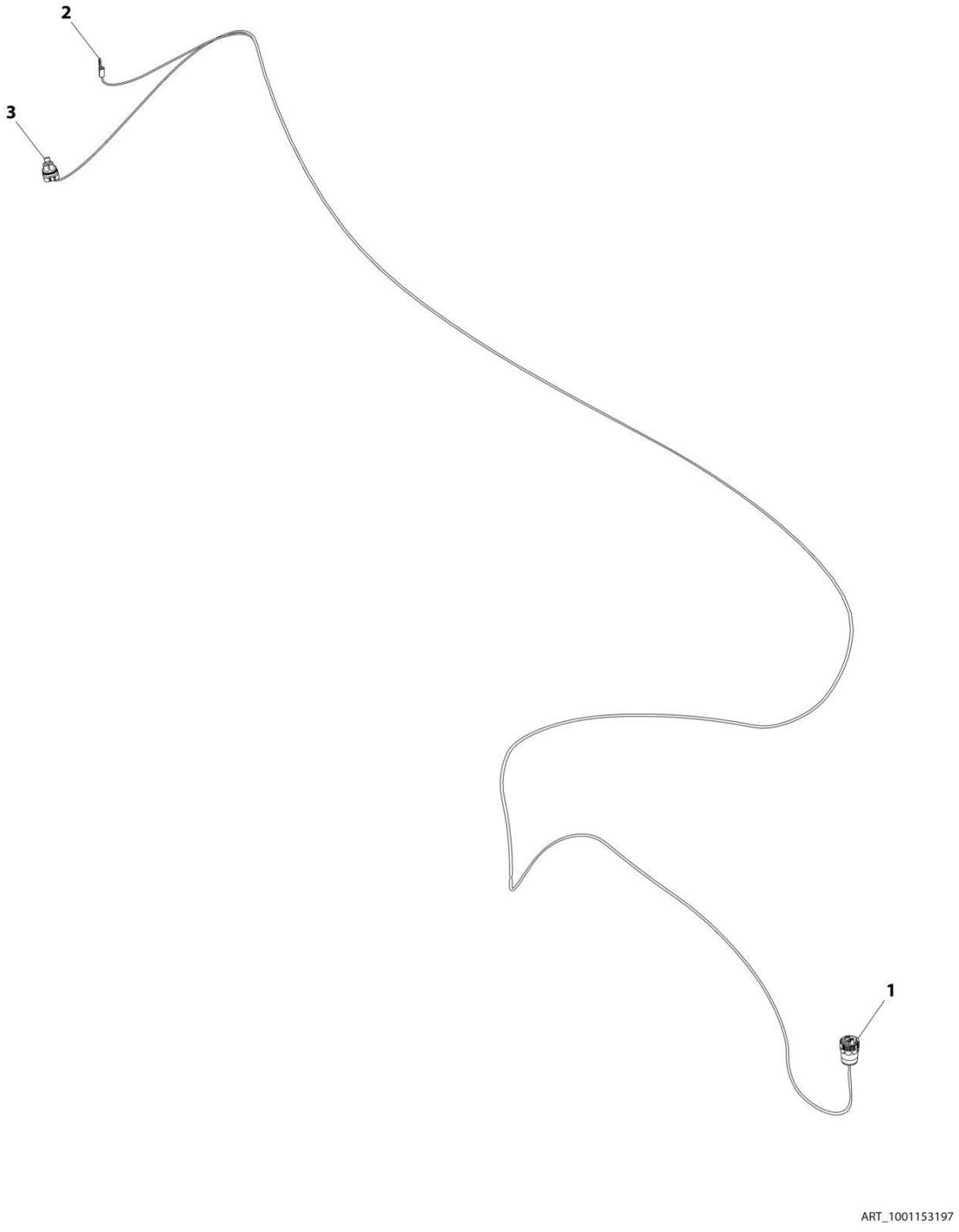


FIGURE 8-53. GENERATOR TO ENGINE HARNESS - 4000W

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153197	Ref	GENERATOR TO ENGINE HARNESS	B
1	4460967	1	Plug, Male - 3 Position	
1	4460465	2	Socket, Female	
2	4460043	1	Terminal, Ring	
3	4460742	1	Plug, Male - 2 Position	
3	4460743	1	Socket, Female	
3	4460458	1	Seal, Terminal	
3	1001116727	1	Plug, Terminal	

FIGURE 8-54. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ONLY)

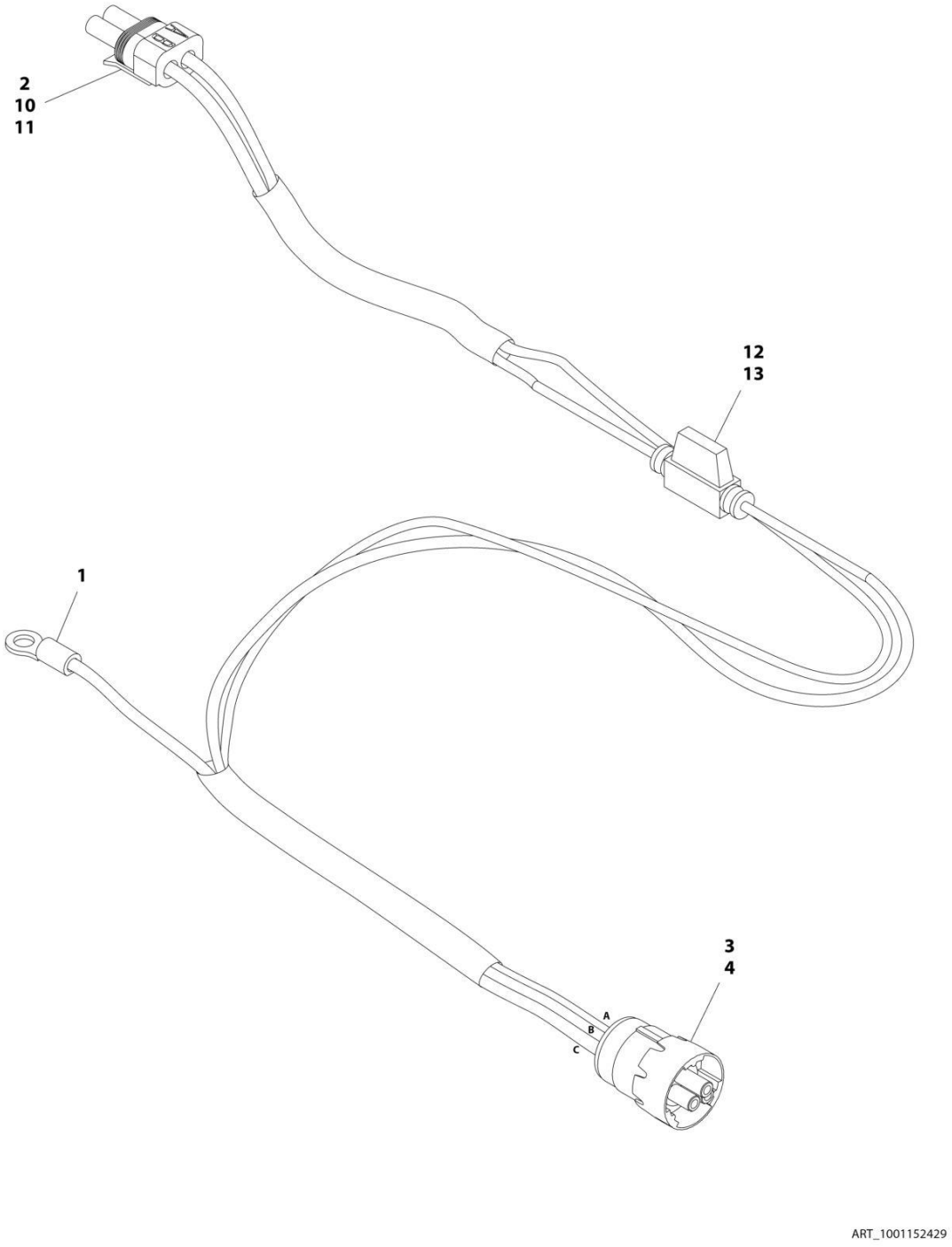
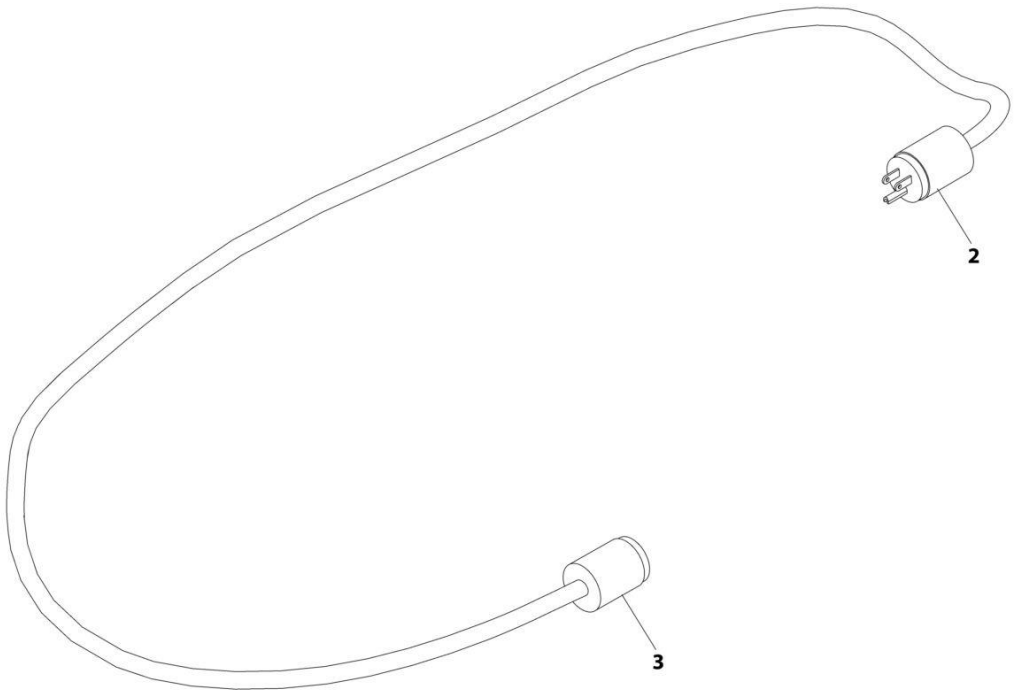


FIGURE 8-54. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152429	Ref	GENERATOR TO ENGINE HARNESS	C
1	4460043	1	Terminal, Ring	
2	4460742	1	Plug, Male - 2 Position	
3	4460967	1	Connector - 3 Position	
4	4460465	3	Socket, Female	
10	4460743	2	Terminal, Female	
11	4460458	2	Seal	
12	2400060	1	Fuseholder (Includes Cover)	
13	2400064	1	Fuse - 5Amp	

FIGURE 8-55. GENERATOR TO REAR OF BOOM HARNESS - 110V

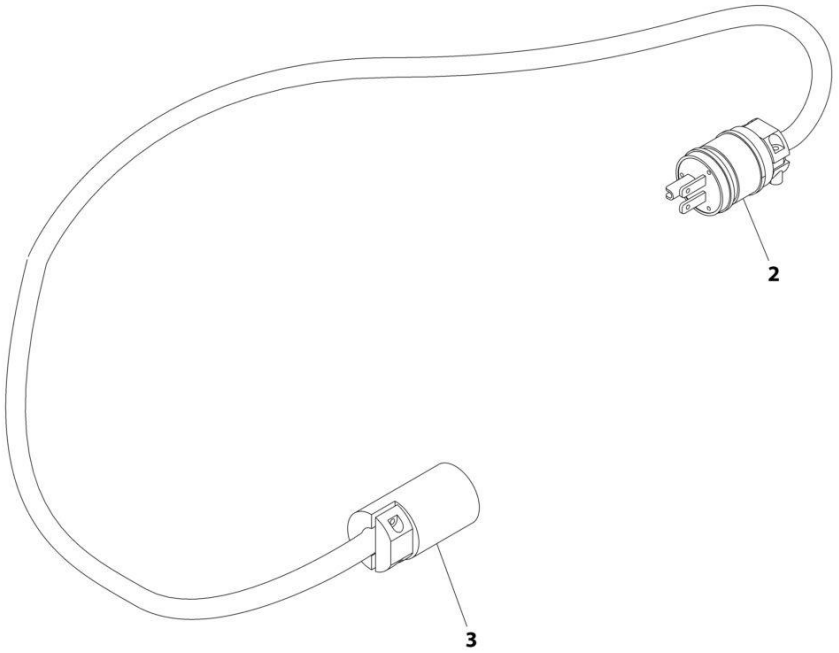


ART_4921829

FIGURE 8-55. GENERATOR TO REAR OF BOOM HARNESS - 110V

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4921829	Ref	GENERATOR TO REAR OF BOOM HARNESS - 110V	Z-A
2	4460205	1	Plug, Male	
3	4460134	1	Connector, Female	

FIGURE 8-56. GENERATOR TO REAR OF BOOM HARNESS - 220V



ART_4921954

FIGURE 8-56. GENERATOR TO REAR OF BOOM HARNESS - 220V

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4921954	Ref	GENERATOR TO REAR OF BOOM HARNESS - 220V	2
2	4460233	1	Terminal, Plug	
3	4460701	1	Terminal, Connector	

FIGURE 8-57. GROUND CONTROL BOX HARNESS (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

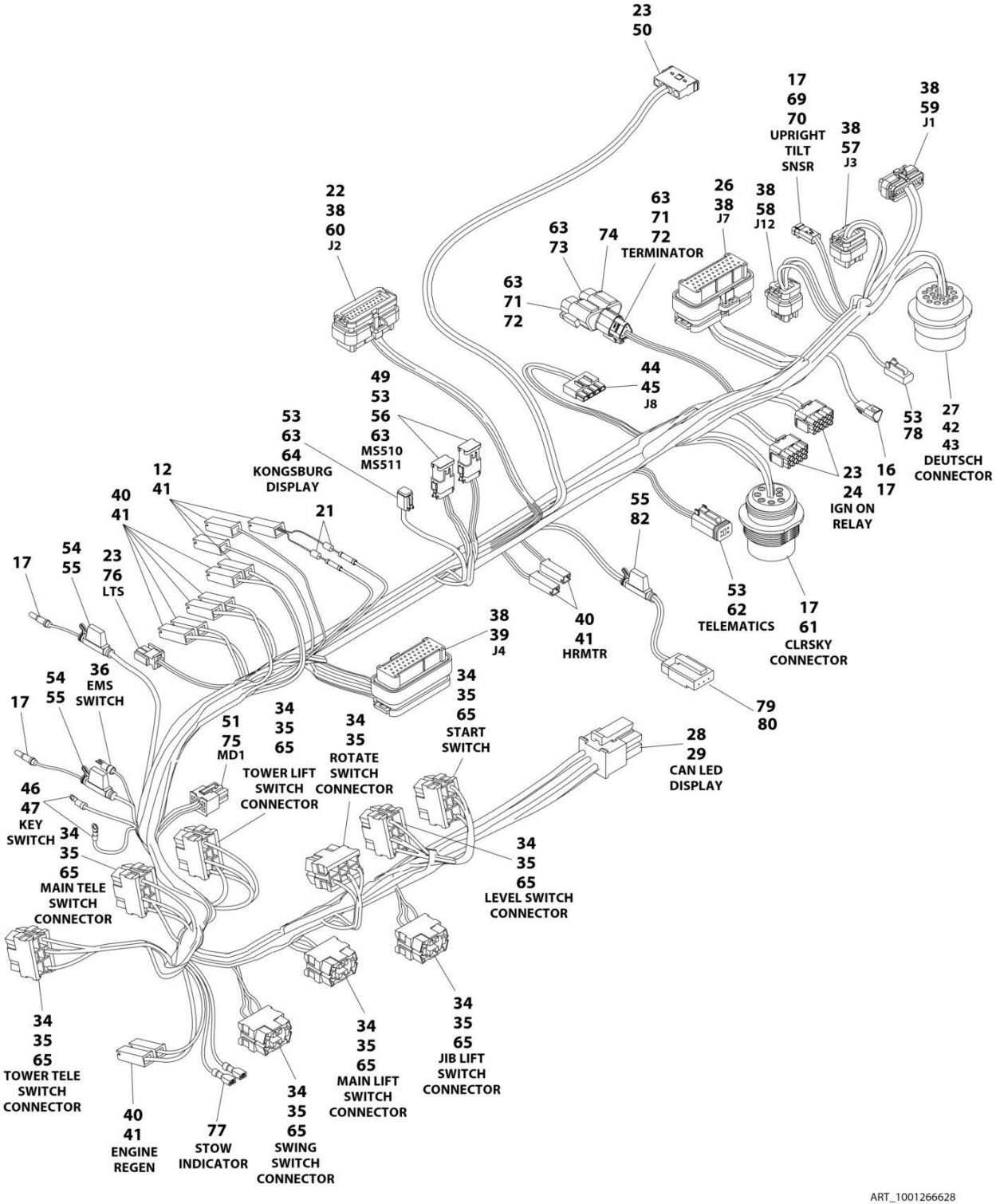


FIGURE 8-57. GROUND CONTROL BOX HARNESS (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266628	Ref	GROUND CONTROL BOX HARNESS	C
12	4460297	4	Terminal	
16	4460536	1	Receptacle, Female - 3 Position	
17	4460943	12	Pin, Male	
21	3990010	2	Diode, 6 Amp	
22	4460905	2	Seal, Terminal	
23	4460227	36	Pin, Male	
24	4460434	2	Plug Male - 15 Position	
26	4460873	1	Connector - 35 Position	
27	4460508	4	Terminal	
28	1001237667	1	Plug Male - 6 Position	
29	1001237668	5	Terminal	
34	1001159186	18	Terminal	
35	4460418	9	Connector, Switch	
36	4460806	5	Terminal, Fork	
38	4460871	84	Socket, Female	
39	4460876	1	Connector - 35 Position	
40	4460259	15	Terminal	
41	4460260	19	Housing, Terminal	
42	4460464	13	Pin, Male	
43	4460866	1	Connector - 19 Position	
44	4460878	1	Plug Male - 4 Position	
45	4460887	3	Terminal	
46	4460142	4	Terminal, Ring	
47	4460313	3	Terminal	
49	1001119020	2	Connector, Buss Bar - 12 Position	
50	4460761	1	Receptacle, Female - 4 Position	
51	4460868	AR	Terminal	
53	4460465	35	Socket, Female	
54	2400060	2	Fuse Holder with Cover	
55	8229242	3	Fuse 5Amp	
56	4460933	2	Plug, Male - 12 Position	
57	4460872	1	Connector - 14 Position	
58	1001113961	1	Connector - 8 Position	
59	4460874	1	Connector - 35 Position	
60	4460875	1	Connector - 35 Position	
61	1001112612	1	Connector - 9 Position	
62	4460884	1	Plug, Male - 4 Position	
63	4460466	7	Plug, Terminal	
64	4460894	1	Plug, Male - 6 Position	
65	4460419	8	Terminal	
69	1001229530	1	Receptacle, Female - 3 Position	
70	1001200497	1	Plug, Male - 3 Position	
71	1001116812	2	Plug, Male - 3 Position	
72	4460944	4	Socket, Female	
73	1001116815	1	Plug, Male - 3 Position	
74	4460945	1	Connector, 3-Way Tee	
75	4460877	4	Terminal	
76	4460320	1	Connector - 2 Position	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
77	1001201885	2	Terminal	
78	4460891	1	Plug, Male - 2 Position	
79	4460911	1	Connector - 3 Position	
80	1001116694	3	Terminal	
82	2400060	AR	Fuse Holder with Cover (Prior to PVC 2201)	
82	1001255901	AR	Fuse Holder with Cover (PVC 2201 to Present)	

FIGURE 8-58. GROUND CONTROL BOX HARNESS (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

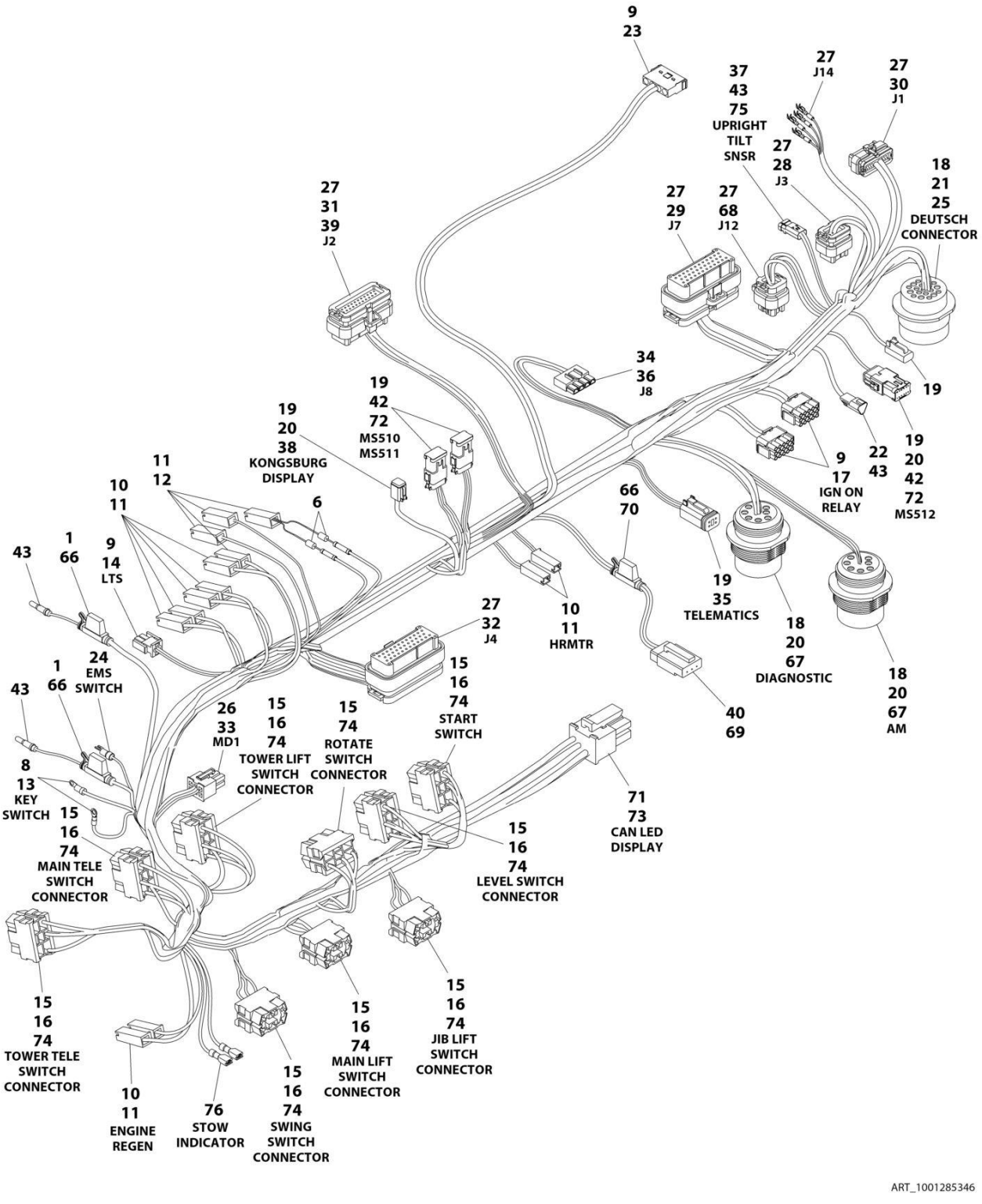


FIGURE 8-58. GROUND CONTROL BOX HARNESS (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285346	Ref	GROUND CONTROL BOX HARNESS	C
1	2400060	2	Fuse Holder	
6	3990010	2	Diode, 6 Amp	
8	4460142	4	Terminal, Ring	
9	4460227	36	Pin	
10	4460259	11	Socket	
11	4460260	15	Housing, Terminal	
12	4460297	4	Socket	
13	4460313	3	Terminal, Ring	
14	4460320	1	Connector	
15	4460418	9	Connector, Switch	
16	4460419	8	Socket	
17	4460434	2	Connector	
18	4460464	27	Terminal	
19	4460465	45	Terminal	
20	4460466	9	Plug, Terminal	
21	4460508	4	Pin	
22	4460536	1	Connector	
23	4460761	1	Connector	
24	4460806	5	Terminal, Fork	
25	4460866	1	Terminal	
26	4460868	1	Connector	
27	4460871	88	Socket	
28	4460872	1	Connector	
29	4460873	1	Connector	
30	4460874	1	Connector	
31	4460875	1	Connector	
32	4460876	1	Connector	
33	4460877	4	Socket	
34	4460878	1	Housing, Terminal	
35	4460884	1	Connector	
36	4460887	3	Socket	
37	1001229530	1	Connector	
38	4460894	1	Plug	
39	4460905	2	Seal	
40	4460911	1	Plug, Terminal	
42	4460933	3	Connector	
43	4460943	8	Terminal	
66	8229242	3	Fuse 5 Amp	
67	1001112612	2	Connector	
67	1001249095	2	Connector	
68	1001113961	1	Plug	
69	1001116694	3	Terminal	
70	1001255901	1	Fuse Holder	
71	1001237668	5	Socket	
72	1001119020	3	Connector	
73	1001237667	1	Connector	
74	1001159186	18	Socket	
75	1001200497	1	Connector	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
76	1001201885	2	Terminal	

FIGURE 8-59. MID PROXIMITY HARNESS

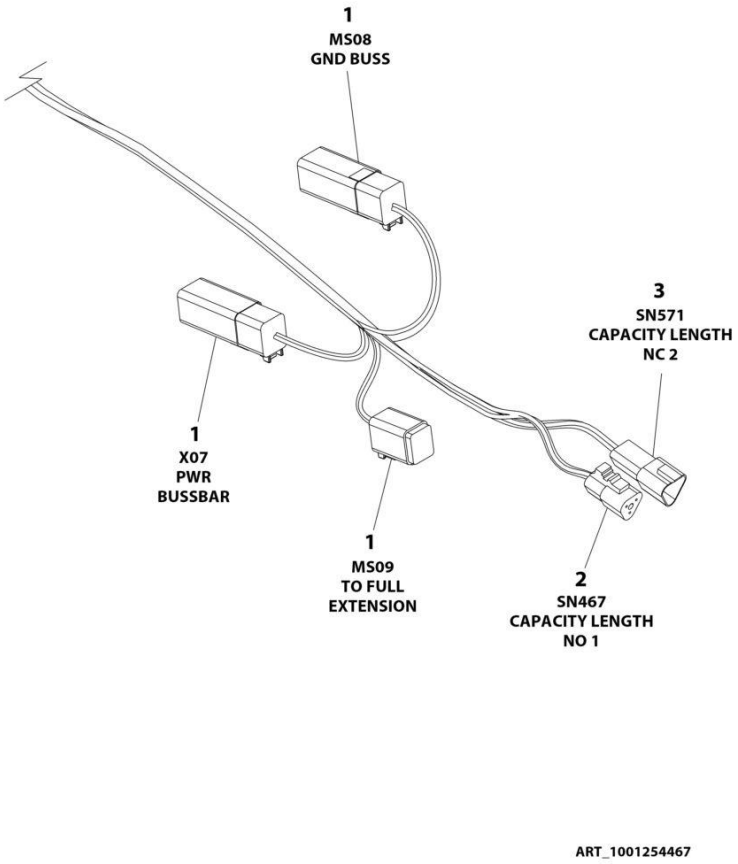


FIGURE 8-59. MID PROXIMITY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254467	Ref	MID PROXIMITY HARNESS	B
1	4460894	3	Plug, Male - 6 Position	
1	4460465	16	Socket, Female	
1	4460466	2	Plug, Terminal	
1	4460892	2	Bussbar - 6 Position	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	
3	4460536	1	Receptacle, Female - 3 Position	
3	4640464	3	Pin, Male	

FIGURE 8-60. PLATFORM CONSOLE BOX HARNESS

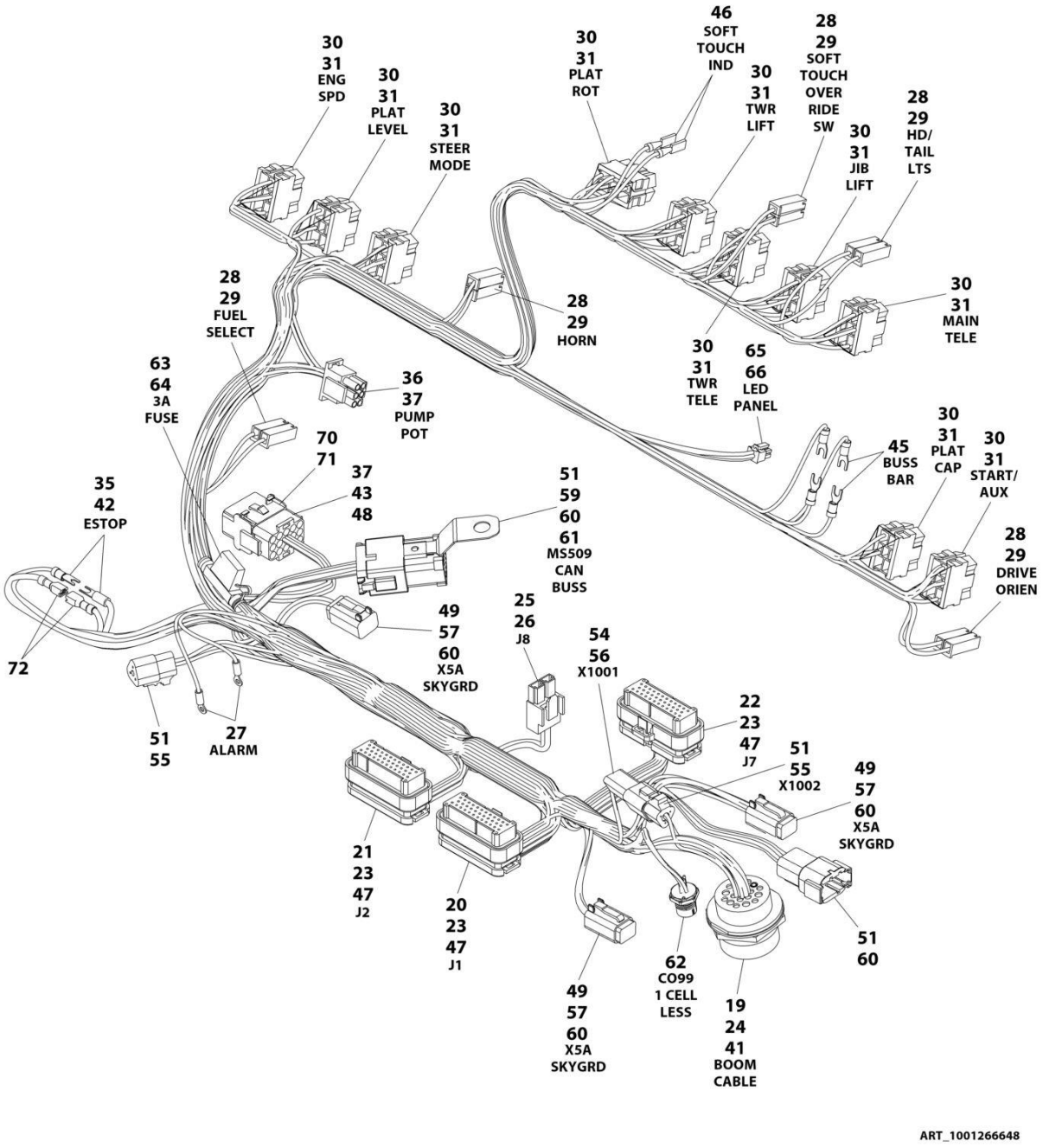


FIGURE 8-60. PLATFORM CONSOLE BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266648	Ref	PLATFORM CONSOLE BOX HARNESS	B
19	4460866	1	Connector - 19 Position	
20	4460874	1	Connector - 35 Position	
21	4460875	1	Connector - 35 Position	
22	4460873	1	Connector - 35 Position	
23	4460871	81	Socket, Female	
24	4460464	6	Pin, Male	
25	4460879	1	Plug, Male - 2 Position	
26	4460887	2	Terminal	
27	1001098122	2	Terminal, Ring	
28	4460260	10	Housing, Terrminal	
29	4460259	10	Terminal	
30	4460418	9	Connector, Switch	
31	4460419	27	Terminal	
32	4120035	14	Socket, Light (Not Shown)	
33	4460634	14	Socket, Lamp (Single Wire) (Not Shown)	
34	4460635	14	Socket, Lamp (Double Wire) (Not Shown)	
35	4460888	1	Terminal, Fork	
36	4460225	1	Plug, Male - 6 Position	
37	4460227	31	Pin, Male	
41	4460508	3	Pin, Male	
42	4460806	1	Terminal, Fork	
43	4460434	2	Connector - 15 Position	
44	2920129	14	Bulb (Not Shown)	
45	4460183	4	Terminal, Fork	
46	4460016	2	Terminal	
47	4460905	24	Plug, Terminal	
48	4460267	1	Pin, Male	
49	4460465	5	Socket, Female	
51	4460944	11	Socket, Female	
54	4460536	1	Receptacle, Female - 3 Position	
55	4460539	1	Plug, Male - 3 Position	
56	4460943	3	Pin, Male	
57	4460894	2	Plug, Male - 6 Position	
59	4460933	2	Plug, Male - 12 Position	
60	4460466	5	Plug, Terminal	
61	1001119020	1	Connector, Buss Bar - 12 Position	
62	1001213447	1	Connector - 5 Position	
63	2400060	1	Fuseholder Includes Cover	
64	8229249	1	Fuse, 3 Amp	
65	1001237667	1	Plug, Male - 6 Position	
66	1001237668	4	Socket, Female	
70	4460708	2	Connector - 15 Position	
71	4460226	2	Socket, Female	
72	1001201885	2	Terminal	

FIGURE 8-61. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)

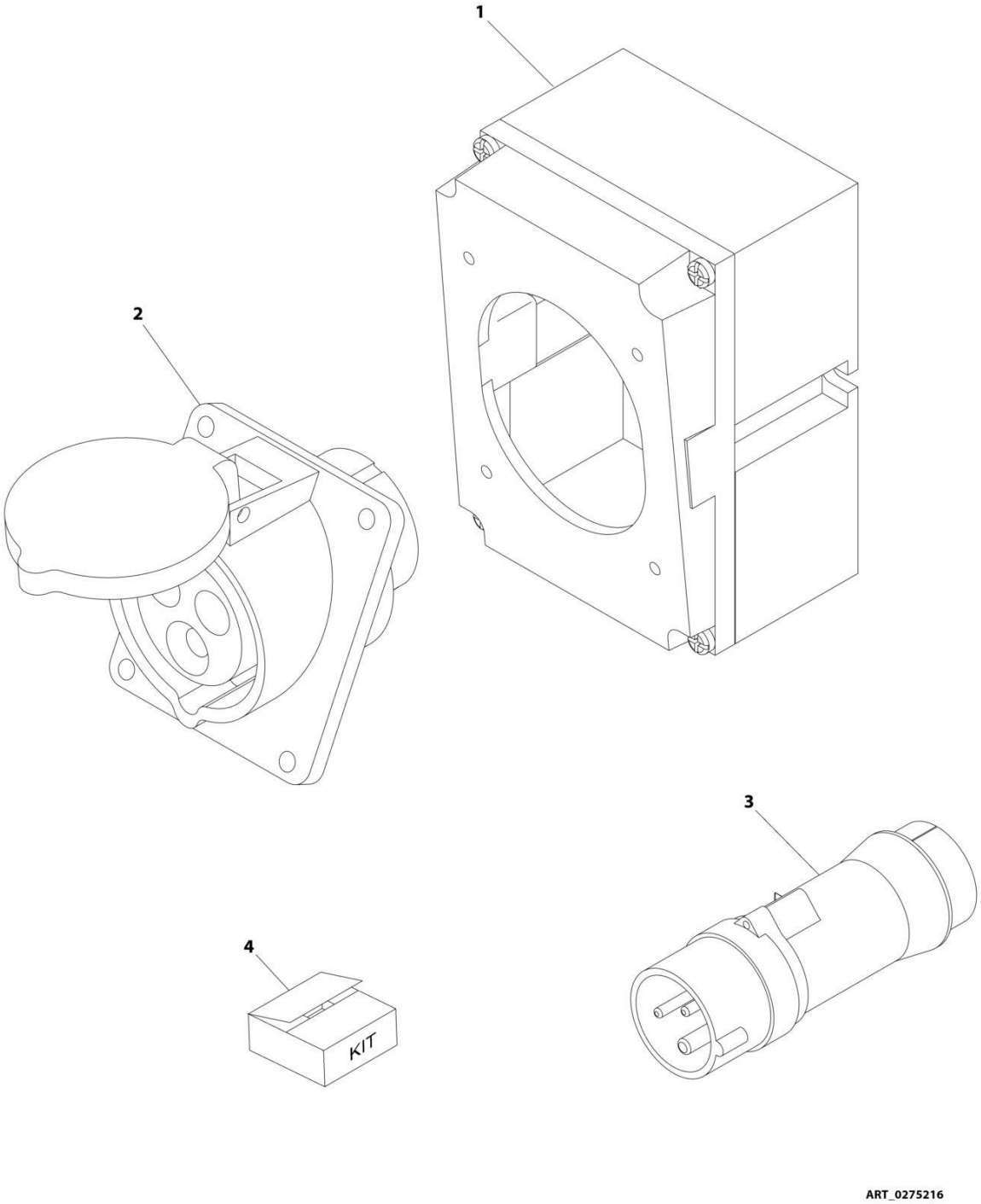


FIGURE 8-61. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)

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 8-62. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)

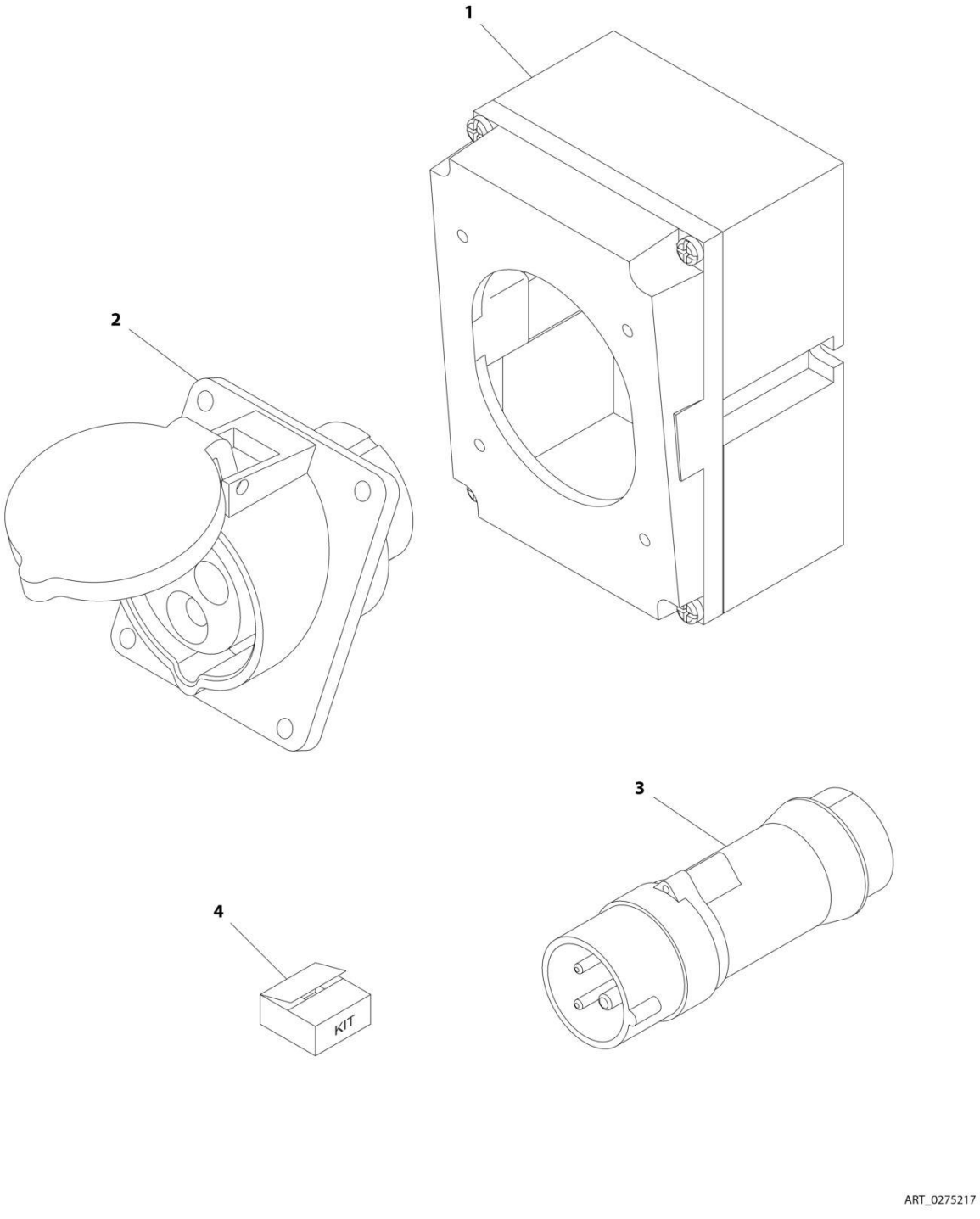


FIGURE 8-62. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)

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 8-63. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPECS) (2500W GENERATOR)

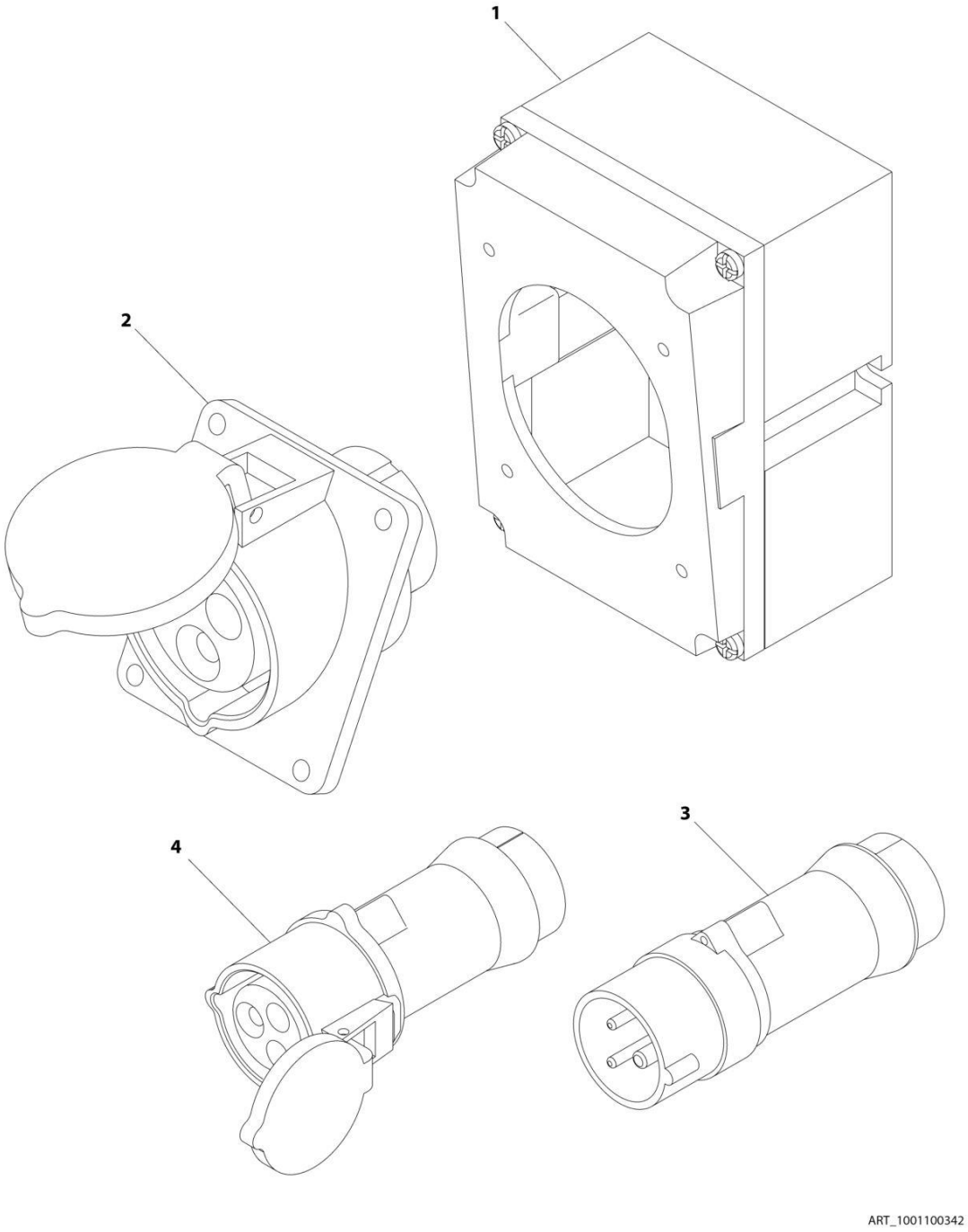


FIGURE 8-63. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPECS) (2500W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100342	Ref	RECEPTACLE BOX KIT - 220V IEC BLUE WITH 2500W GENERATOR (CE & UK CA SPECS)	2
1	0861781	1	Box, Switch	
2	4461201	1	Receptacle	
3	4461199	1	Plug, Male	
4	4461200	1	Plug, Female	

FIGURE 8-64. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND WITHOUT 2500W GENERSTOR (2X4 BOX) (CE & UK CA SPECS)

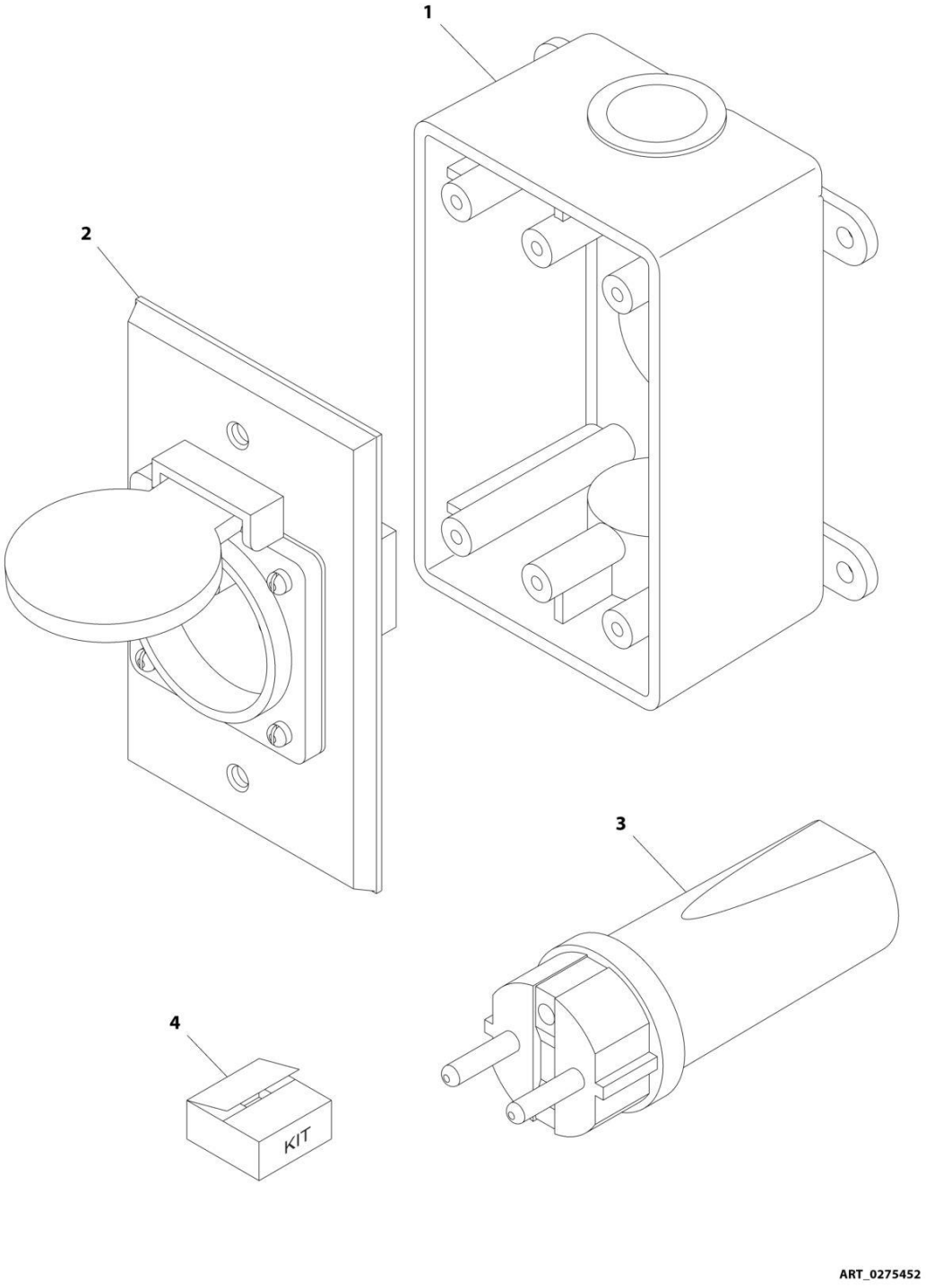


FIGURE 8-64. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND WITHOUT 2500W GENERSTOR (2X4 BOX) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275452	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND	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 4461206)	

FIGURE 8-65. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND (2X4 BOX) (CE & UK CA SPECS) (2500W GENERATOR)

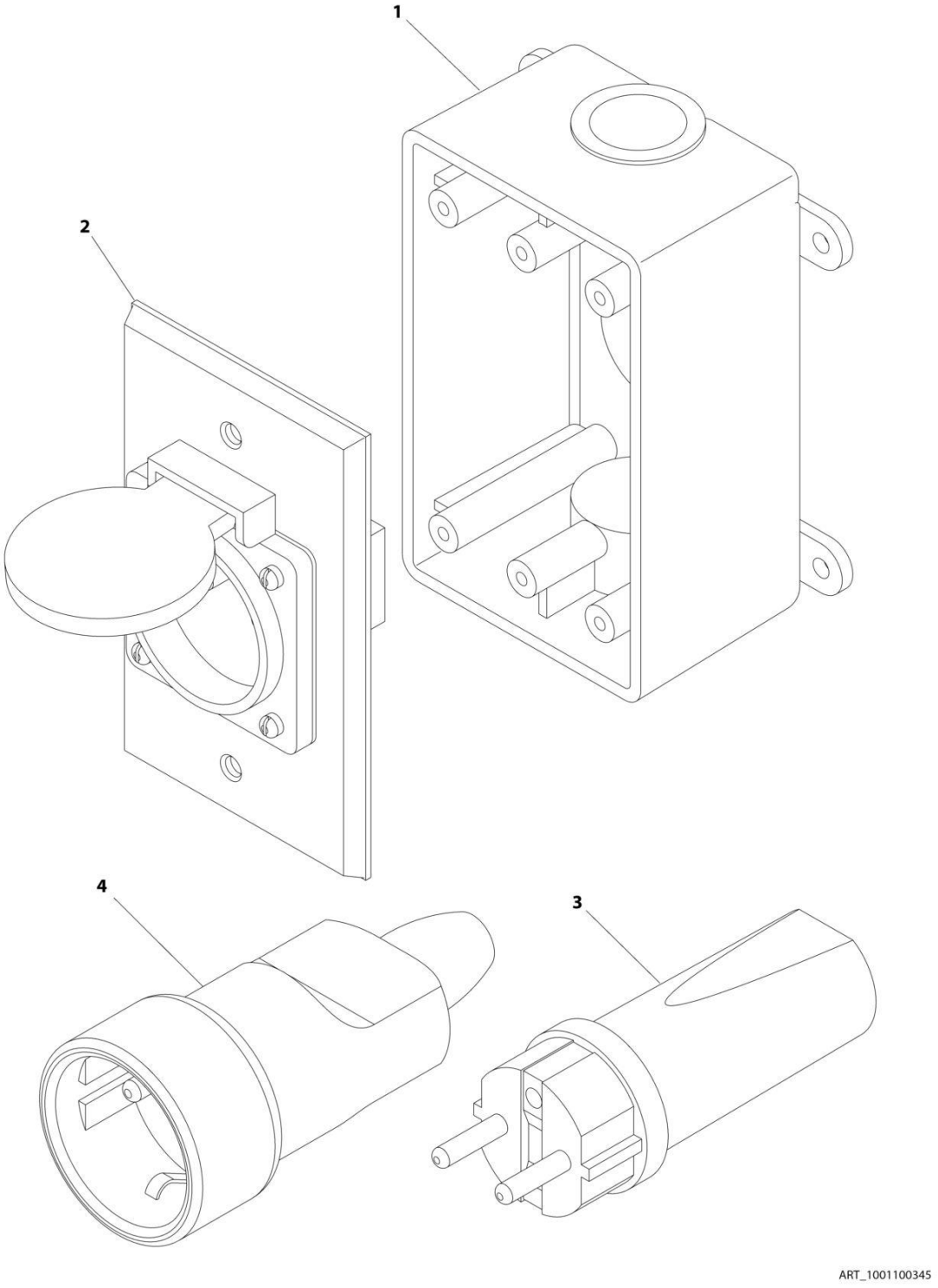


FIGURE 8-65. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND (2X4 BOX) (CE & UK CA SPECS) (2500W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100345	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND	C
1	0861731	1	Box, Switch	
2	4461244	1	Receptacle	
3	4461205	1	Plug, Male	
4	4461203	1	Plug, Female	

FIGURE 8-66. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE & UK CA SPEC)

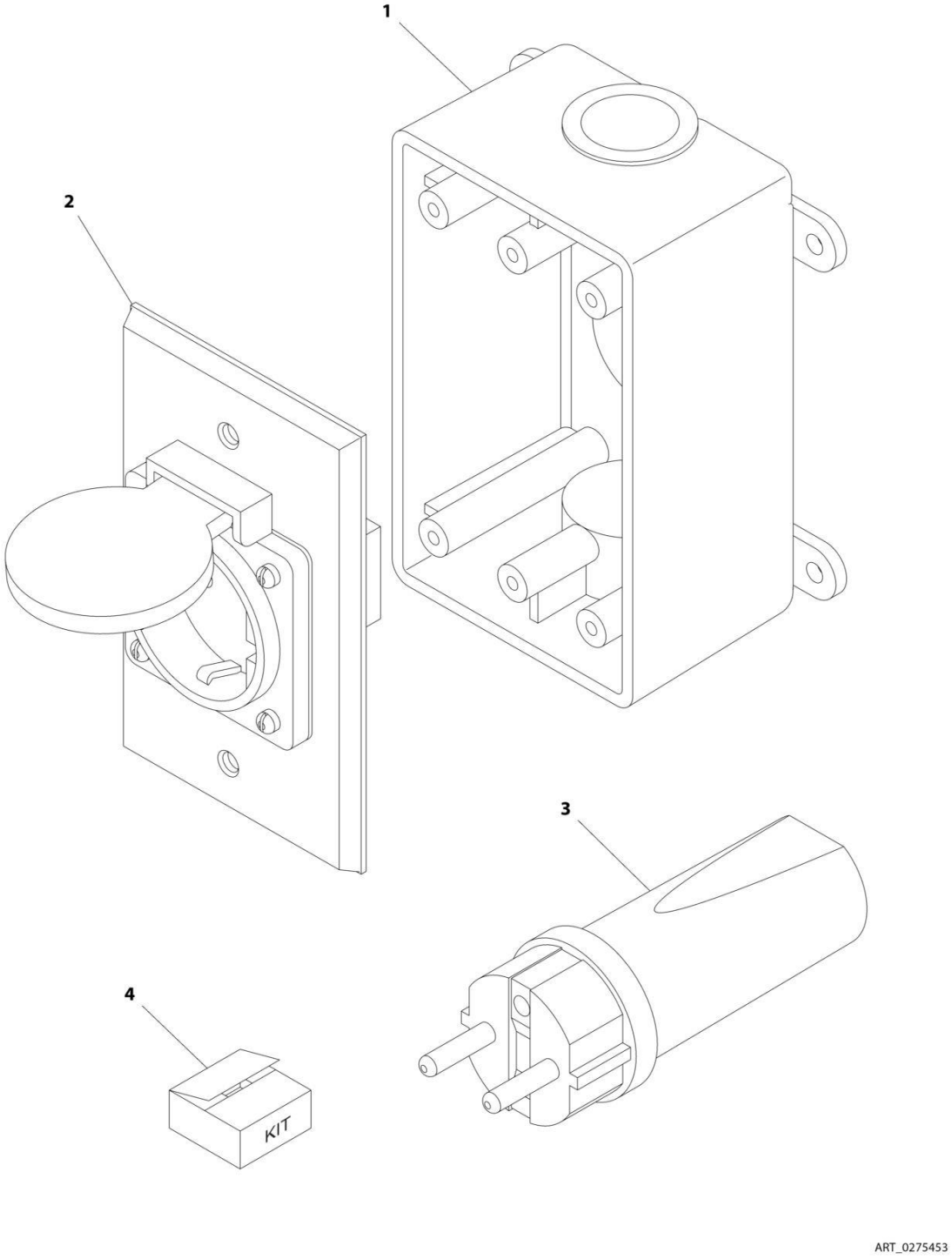


FIGURE 8-66. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE & UK CA SPEC)

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 8-67. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (2X4 BOX) (CE & UK CA SPECS) (2500W GENERATOR)

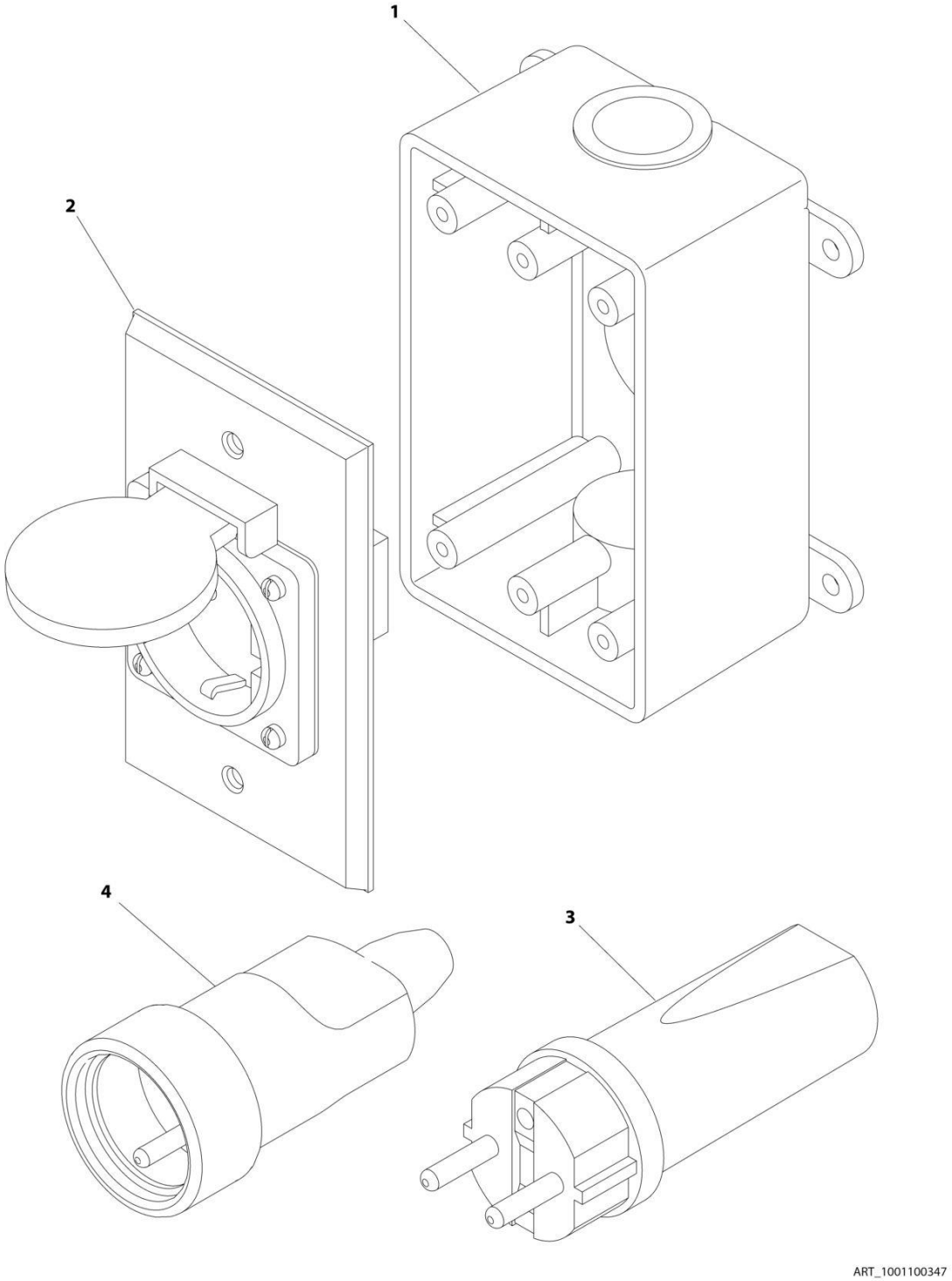


FIGURE 8-67. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (2X4 BOX) (CE & UK CA SPECS) (2500W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100347	Ref	RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND	3
1	0861731	1	Box, Switch	
2	4461245	1	Receptacle	
3	4461205	1	Plug, Male	
4	4461206	1	Plug, Female	

FIGURE 8-68. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)

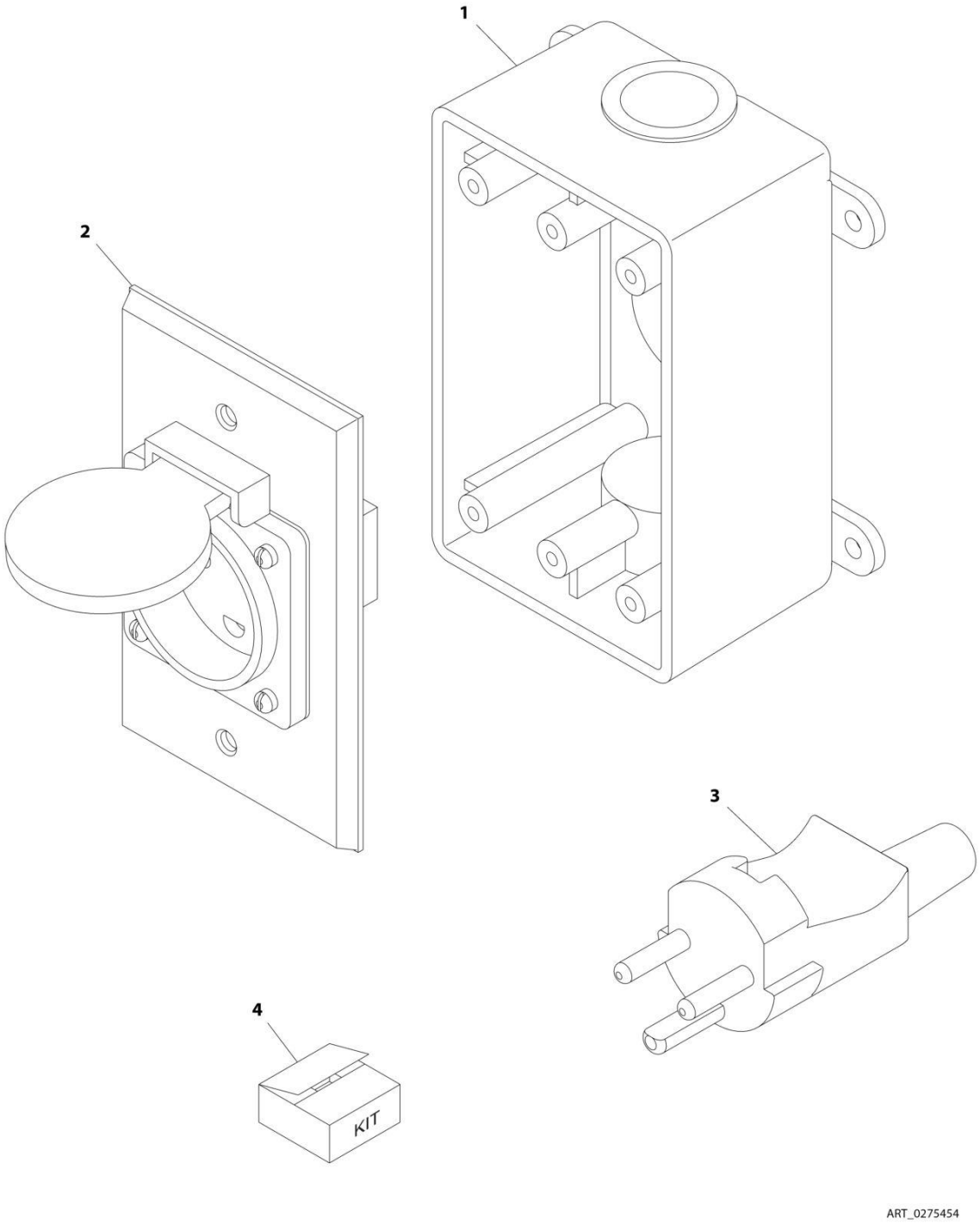


FIGURE 8-68. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)

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 8-69. RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND (2X4 BOX) (CE & UK CA SPECS) (2500W GENERATOR)

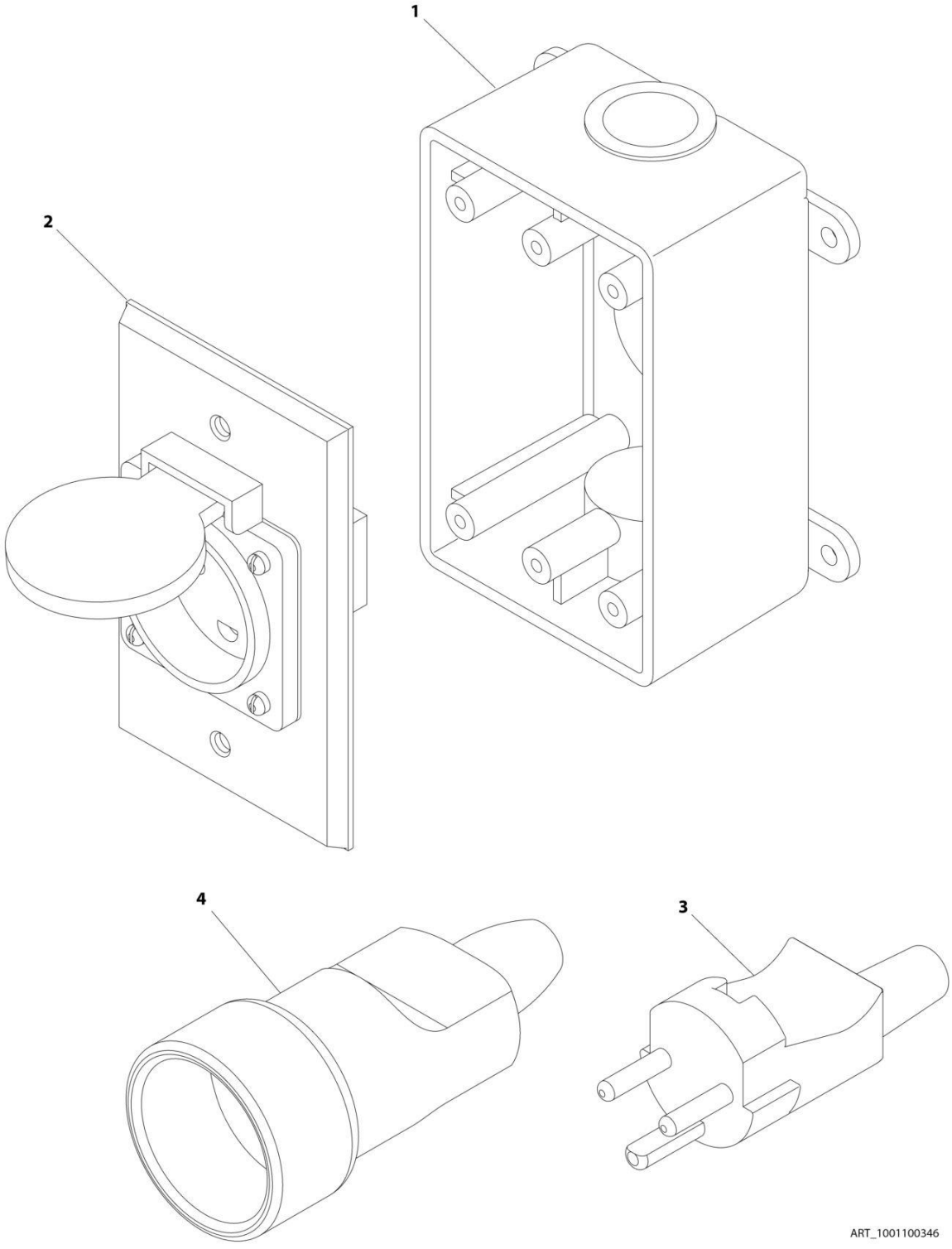
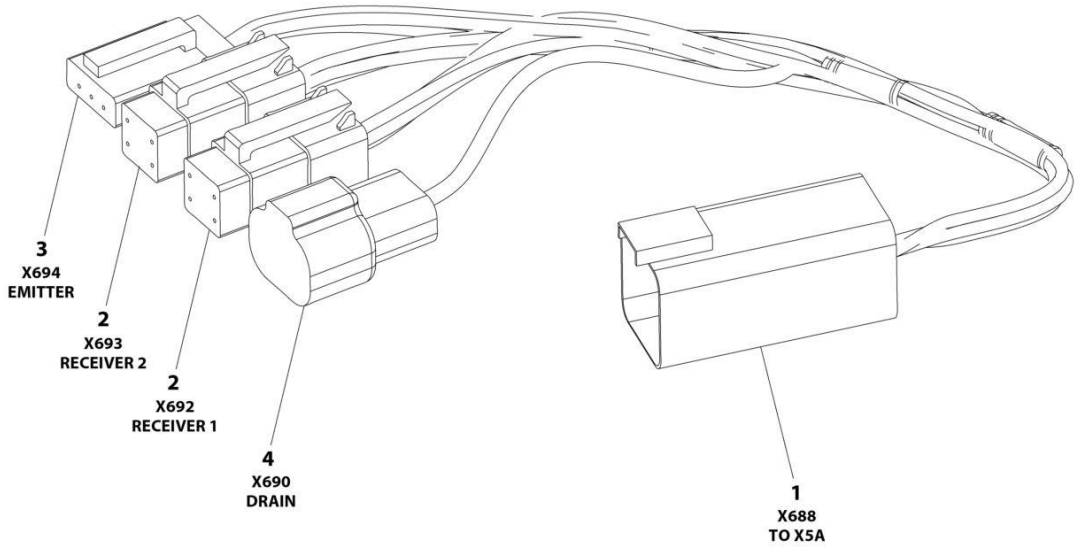


FIGURE 8-69. RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND (2X4 BOX) (CE & UK CA SPECS) (2500W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100346	Ref	RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND WITH 2500W GENERATOR (2X4 BOX) (CE & UK CA SPECS)	2
1	0861731	1	Box, Switch	
2	4461246	1	Receptacle	
3	4461249	1	Plug, Male	
4	4461250	1	Plug, Female	

FIGURE 8-70. SKYEYE INTERMEDIATE HARNESS



ART_1001237865

FIGURE 8-70. 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 8-71. SKYEYE EMITTER HARNESS

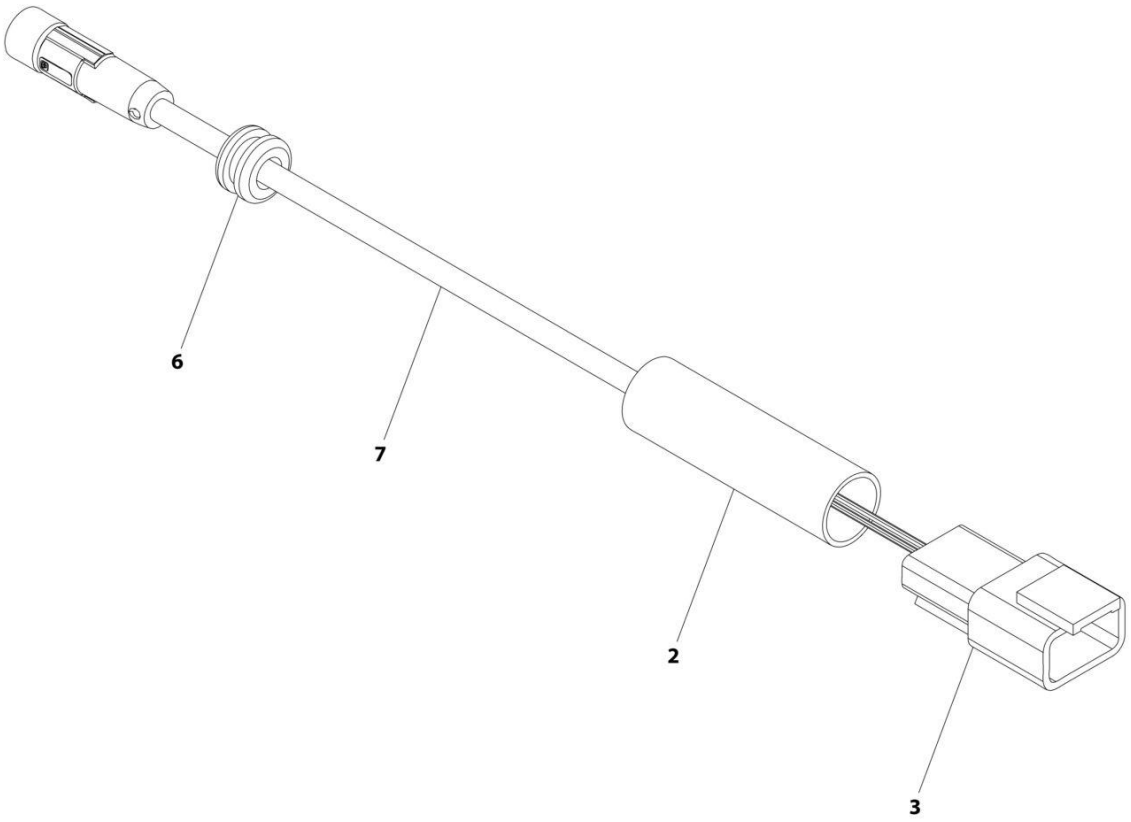


FIGURE 8-71. SKYEYE EMITTER HARNESS

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

FIGURE 8-72. SKYEYE RECEIVER HARNESS

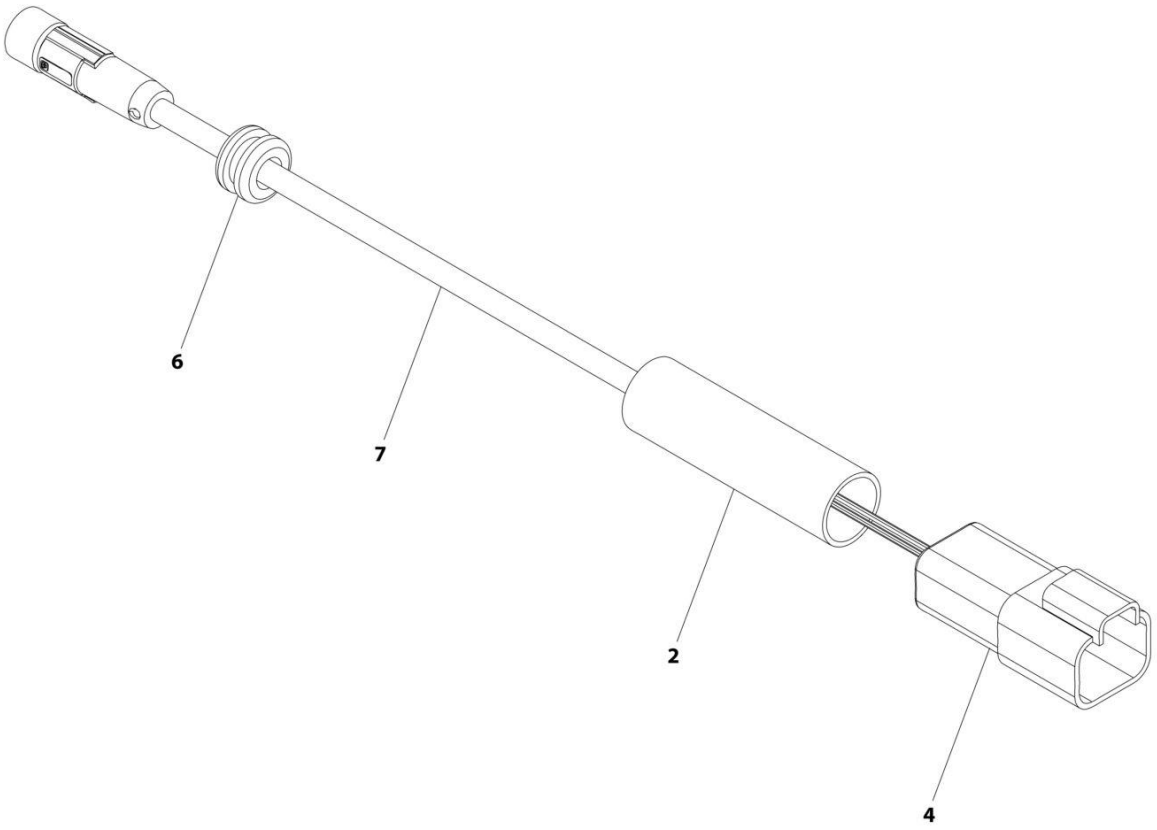


FIGURE 8-72. SKYEYE RECEIVER HARNESS

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 8-73. SKYLINE HARNESS

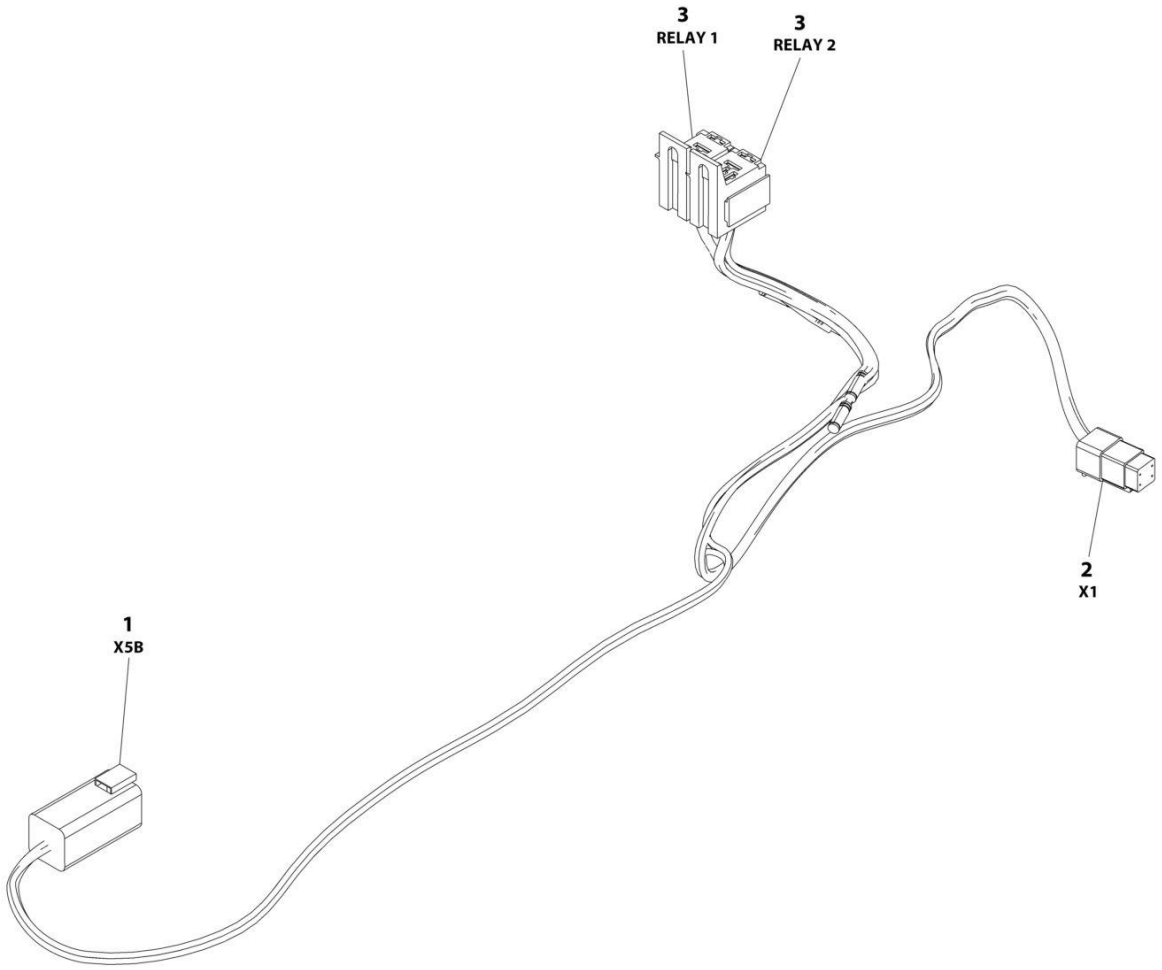


FIGURE 8-73. SKYLINE HARNESS

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 8-74. SKYGUARD INTERFACE HARNESS

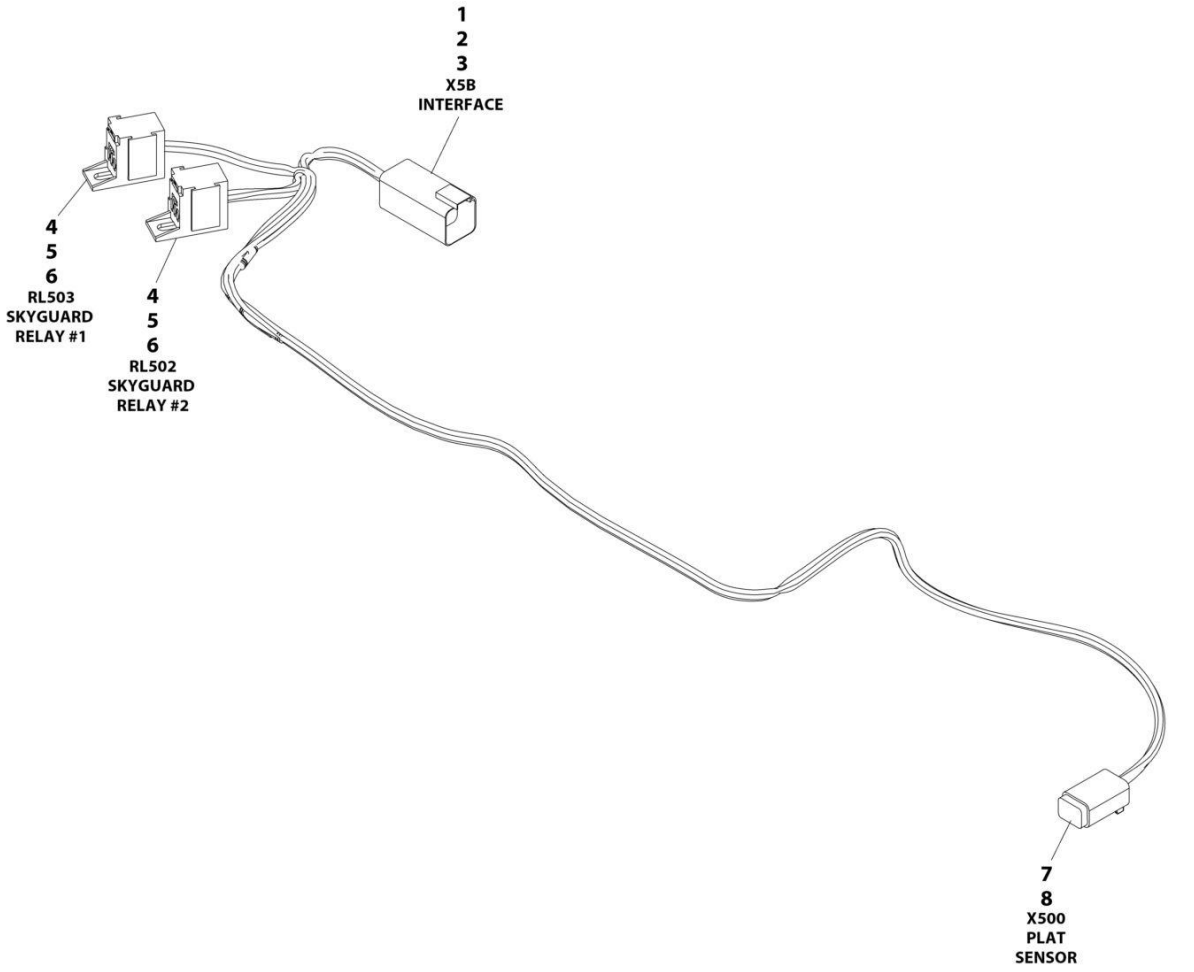


FIGURE 8-74. SKYGUARD INTERFACE HARNESS

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

FIGURE 8-75. VALVE HARNESS - BOOM VALVE

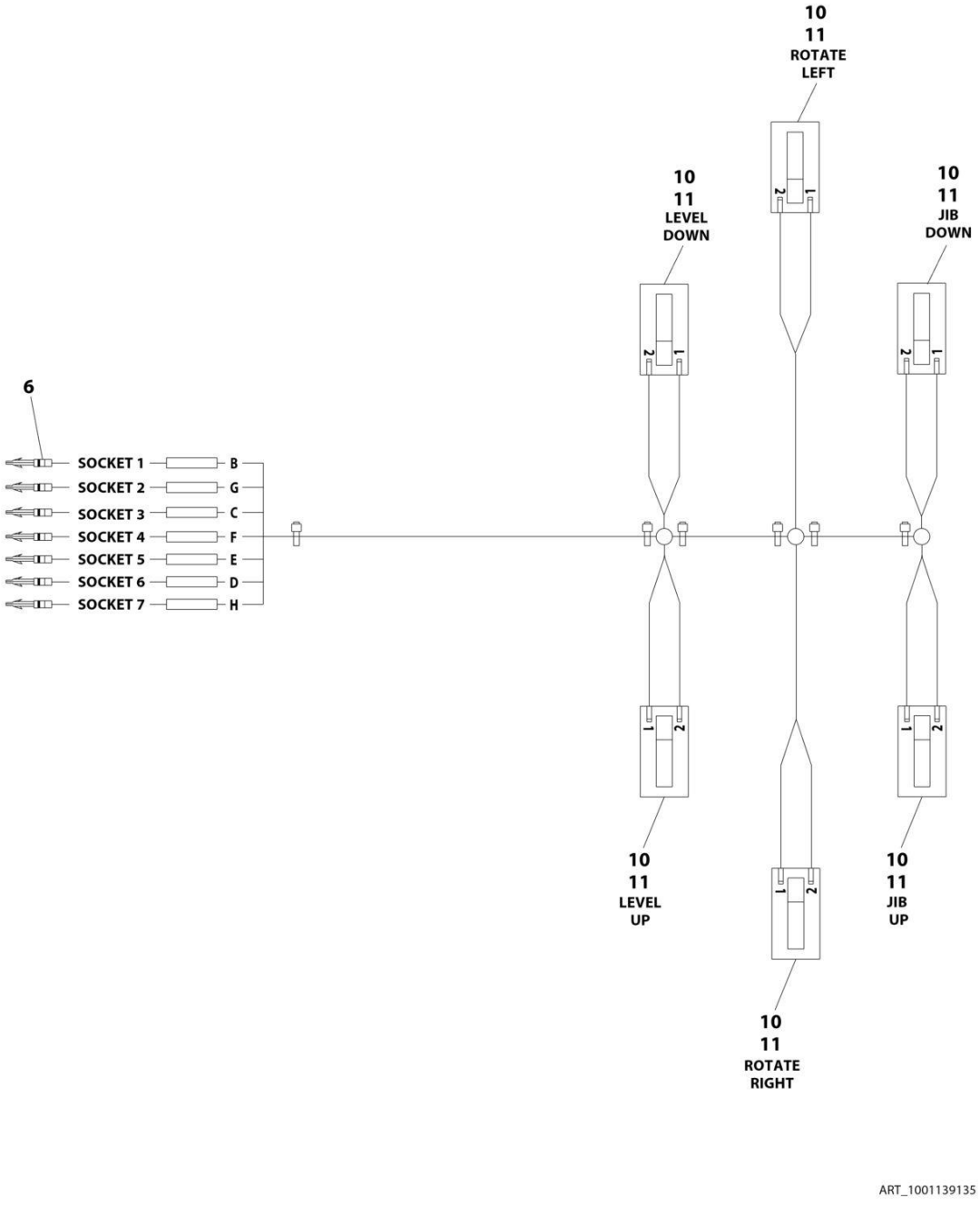
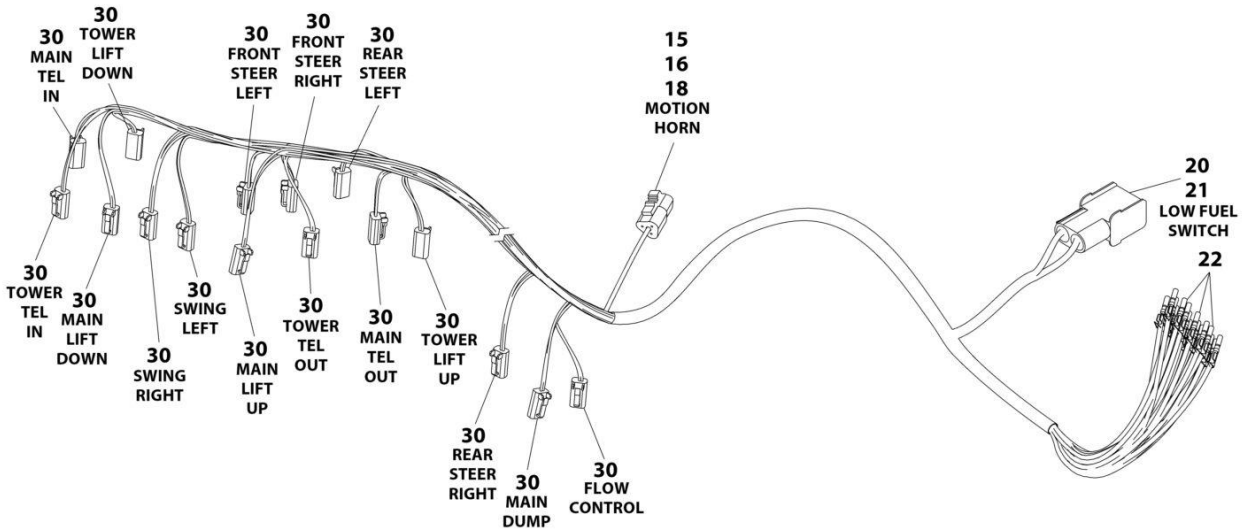


FIGURE 8-75. VALVE HARNESS - BOOM VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139135	Ref	BOOM VALVE HARNESS	3
6	4460226	7	Terminal, Socket	
10	4460891	6	Deutsch connector	
11	1001116692	12	Socket	

FIGURE 8-76. VALVE HARNESS - MAIN CONTROL VALVE (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)



ART_1001154392

FIGURE 8-76. VALVE HARNESS - MAIN CONTROL VALVE (Prior to SN 0300298302, Except SN 0300286716 through 0300286723, Excluding 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154392	Ref	VALVE HARNESS - MAIN VALVE	C
15	4460539	1	Connector - 3 Position	
16	1001116692	34	Socket, Female	
18	4460466	1	Plug, Terminal	
19	4460267	5	Pin, Male (Not Shown)	
20	4460424	1	Plug, Male - 2 Position	
21	4460268	2	Socket, Female	
22	4460871	26	Socket, Female	
28	4240032	AR	Tie-Strap (Not Shown)	
30	4460891	16	Connector - 2 Position	

FIGURE 8-77. VALVE HARNESS - MAIN CONTROL VALVE (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

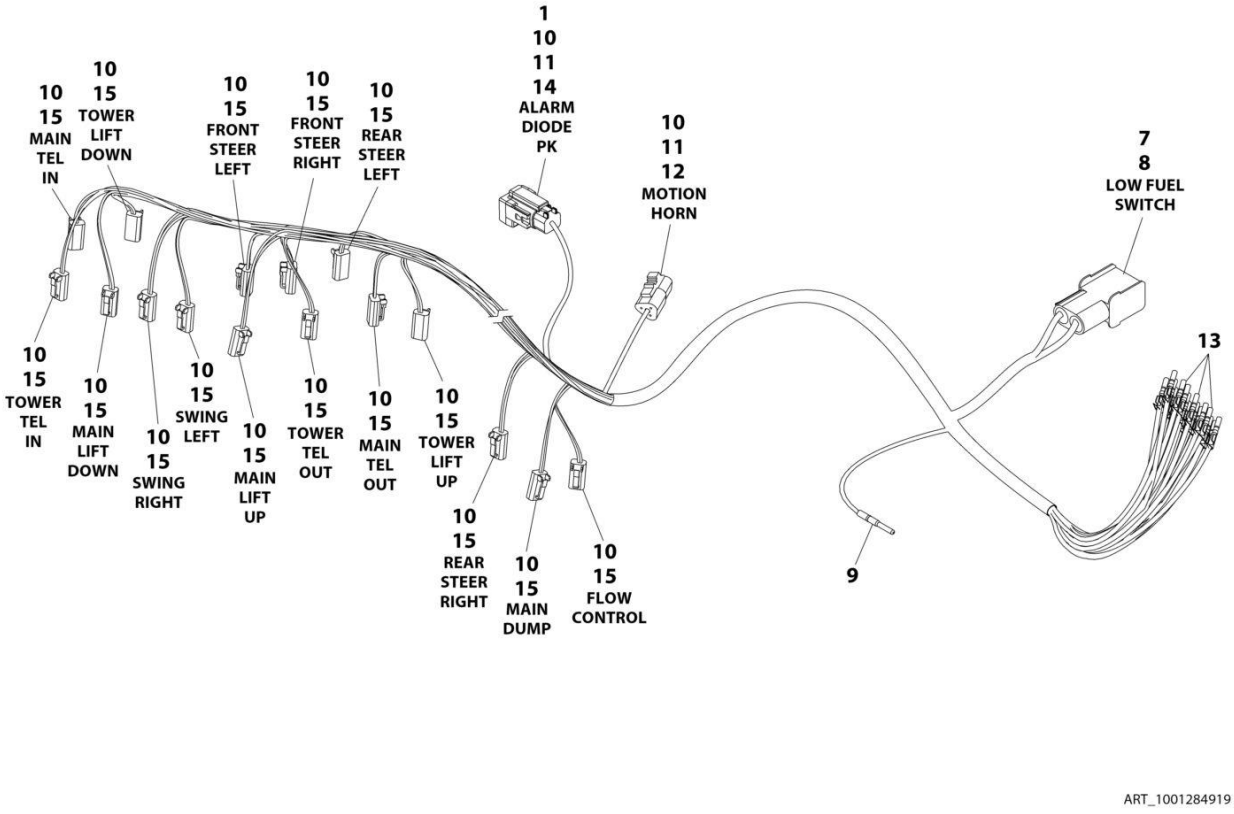


FIGURE 8-77. VALVE HARNESS - MAIN CONTROL VALVE (SN 0300298302 to Present, SN 0300286716 through 0300286723, Including 0300285470 and 0300285471)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284919	Ref	VALVE HARNESS - MAIN VALVE	A
1	1001152266	1	Connector	
7	4460268	2	Socket	
8	4460424	1	Connector	
9	4460464	1	Pin	
10	4460465	37	Socket	
11	4460466	2	Plug, Seal	
12	4460539	1	Connector	
13	4460871	26	Socket	
14	4460884	1	Connector	
15	4460891	16	Connector	

FIGURE 8-78. WHITE NOISE ALARM HARNESS

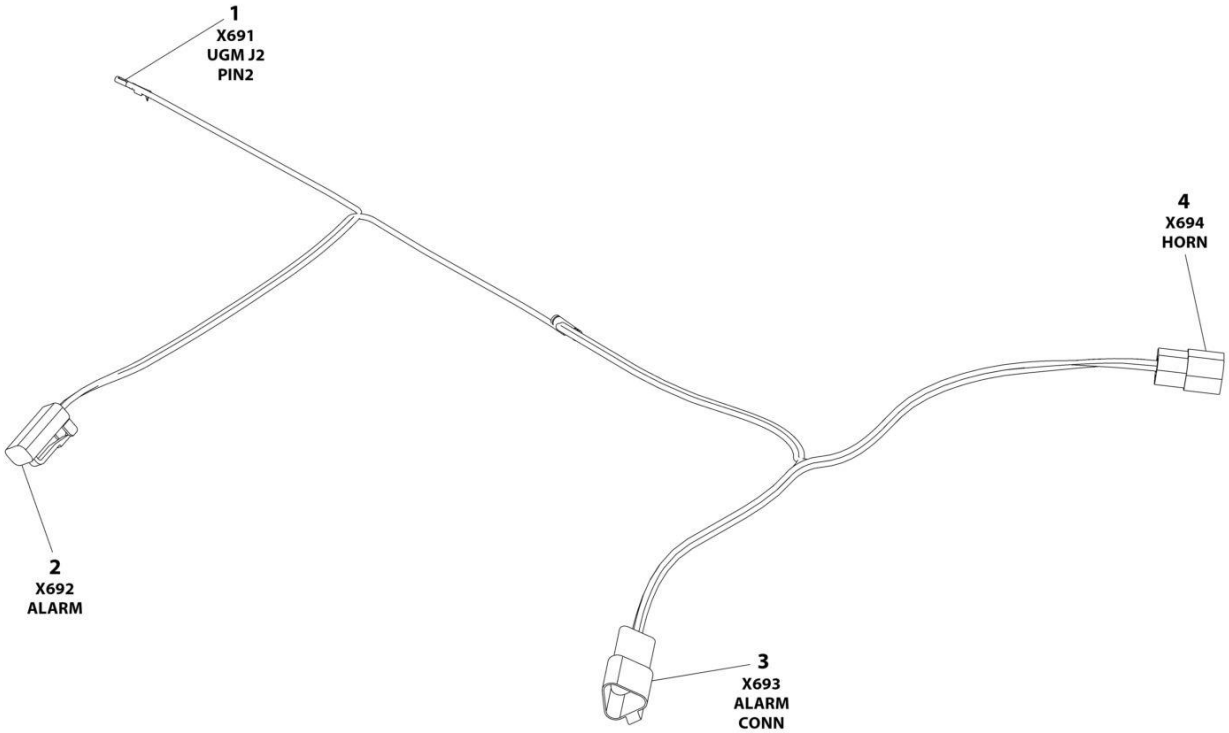


FIGURE 8-78. WHITE NOISE ALARM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231007	Ref	WHITE NOISE ALARM INSTALLATION	B
1	4460871	1	Terminal	
2	4460891	1	Plug, Male - 2 Position	
2	4460465	2	Socket, Female	
3	4460536	1	Receptacle, Female - 3 Position	
3	4460464	3	Pin, Male	
4	4460539	1	Plug, Male - 3 Position	
4	4460465	3	Socket, Female	

SECTION 9 - DECALS

SECTION 9 - DECALS

FIGURE 9-1. DECAL INSTALLATION - ANSI SPECS

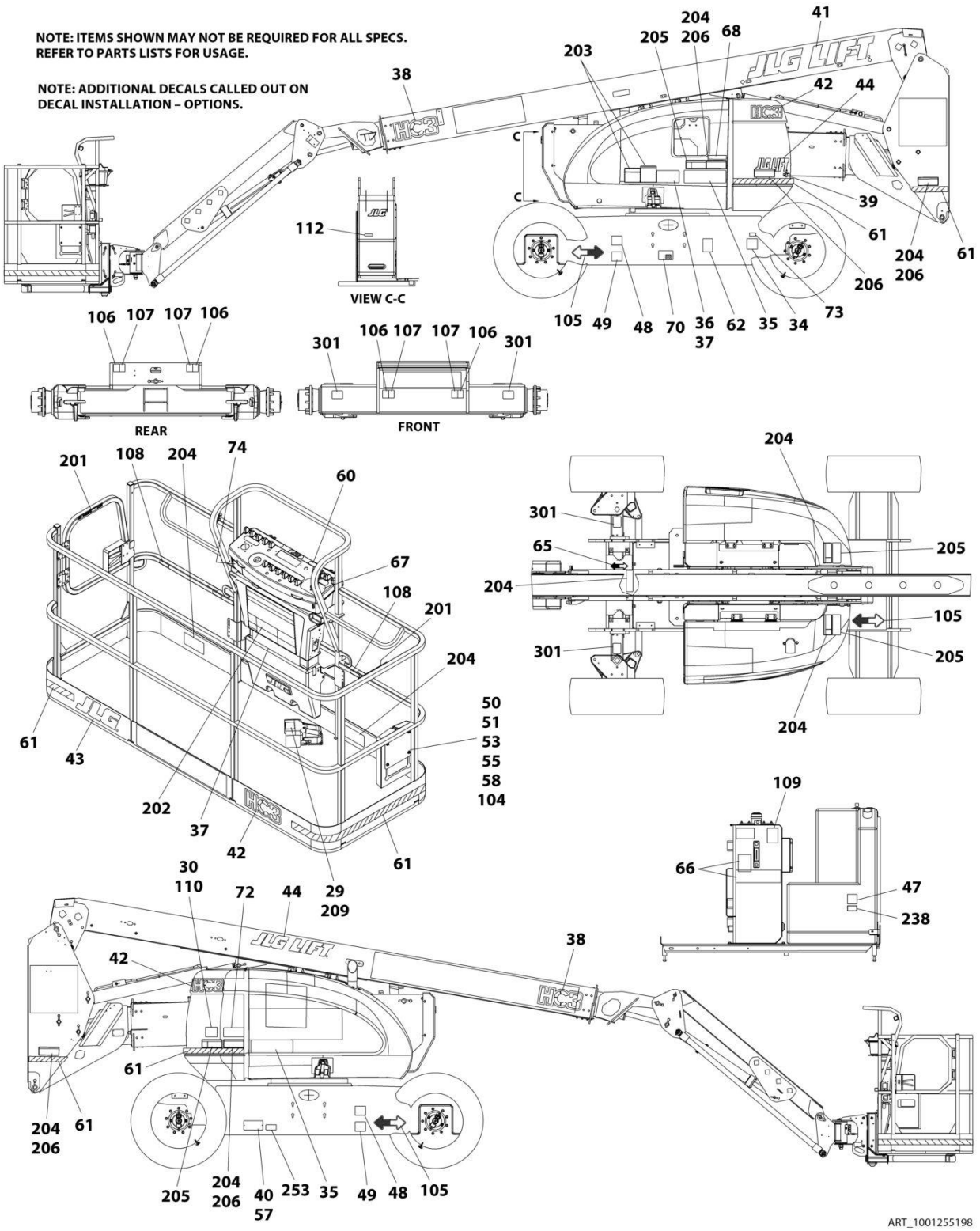


FIGURE 9-1. DECAL INSTALLATION - ANSI SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255198	Ref	DECAL INSTALLATION	E
	1001255196	Ref	DECAL REFERENCE CHART	C
29	3252347	1	Nameplate - Footswitch	
34	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
35	1001267311	2	Decal - 600AJ	
36	1001234426	1	Decal - Warning	
37	1001234425	1	Decal - Warning	
39	1704885	1	Decal - Website	
50	0100011	AR	Compound, Locking	
51	0641406	4	Bolt 1/4 x 3/4	
53	0860520	1	Box, Manual Storage	
55	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	8	Washer 1/4	
60	1001184618	1	Decal - Stop	
61	4420051	22 ft/6.7m	Tape, Safety	
62	1001131269	1	Decal - Patent	
65	1703687	1	Decal - Direction Arrow	
66	1702265	1	Decal - Upright Level Over-Ride	
67	1705351	1	Decal - Drive/Steer Instructions	
70	1001223055	1	Decal - Yearly Inspection	
72	1001284696	1	Decal - Lift Diagram	
73	1001223453	1	Decal - ICES	
100	2902303	1	Decal Kit - Master (Includes Items 104-112)	
104	1701509	1	Decal - Manual	
105	1701529	6	Decal - Arrow	
106	1703811	4	Decal - Tie Down/Lift	
107	1703814	6	Decal - Tie Down	
108	1704277	4	Decal - Attach Lanyard Here	
109	1704412	1	Decal - Hydraulic Oil Chart	
112	3251243	1	Nameplate - 120V-60Hz	
200	2902307	1	Decal Kit - Country Spec (Includes Items 201-206)	
201	1702868	2	Decal - No Hands	
202	1703797	1	Decal - Warning/Danger	
203	1705336	1	Decal - Warning Inspection (MTB)	
204	1703804	5	Decal - Warning Crushing	
205	1703805	4	Decal - Danger Electrocution	
206	1703953	4	Decal - Warning Crushing	
300	1001255795	1	Decal Max Tire Load Kit (Includes Item 301)	
301	1001255794	4	Decal - Max Tire Load	

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FIGURE 9-2. DECAL INSTALLATION - AUSTRALIAN SPECS

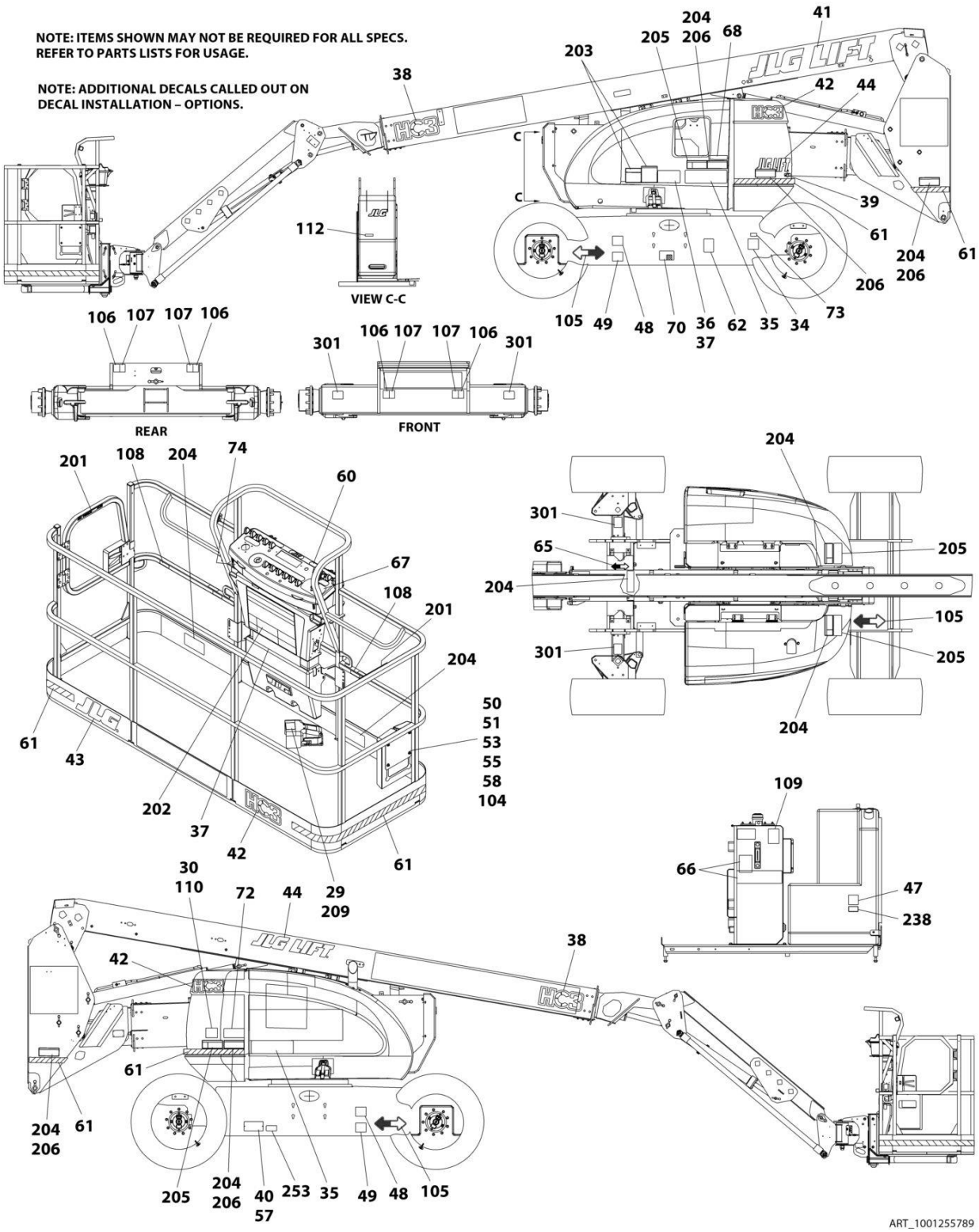


FIGURE 9-2. DECAL INSTALLATION - AUSTRALIAN SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255789	Ref	DECAL INSTALLATION	D
	1001255196	Ref	DECAL REFERENCE CHART	C
34	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
35	1702819	2	Decal - 600AJ	
35	1001267311	1	Decal - 600AJ	
37	1001234439	2	Decal - Warning	
39	1704885	1	Decal - Website	
50	0100011	AR	Compound, Locking	
51	0641406	4	Bolt 1/4 x 3/4	
53	0860520	1	Box, Manual Storage	
55	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	8	Washer 1/4	
60	1001184618	1	Decal - Stop	
61	4420051	22 ft/6.7m	Tape, Safety	
65	1703687	1	Decal - Direction Arrow	
66	1705977	1	Decal - Upright Level Over-Ride	
67	1001112551	1	Decal - Drive/Steer Instructions	
72	1001255926	1	Decal - Lift Diagram	
72	1001284696	1	Decal - Lift Diagram	
100	2902303	1	Decal Kit - Master (Includes Items 104-110)	
104	1701509	1	Decal - Manual	
105	1701529	6	Decal - Arrow	
106	1703811	4	Decal - Tie Down/Lift	
107	1703814	6	Decal - Tie Down	
108	1704277	4	Decal - Attach Lanyard Here	
109	1704412	1	Decal - Hydraulic Oil Chart	
110	1705084	1	Decal - Sound Power	
200	2902329	1	Decal Kit - Country Spec (Includes Items 202-209)	
202	1705921	1	Decal -Warning/Danger	
203	1705822	1	Decal - Warning Inspection (MTB)	
204	1701518	10	Decal -Warning Crushing	
205	1705961	5	Decal - Danger Electrocution	
209	1705828	1	Decal - Footswitch	
300	1001255795	1	Decal Max Tire Load Kit (Includes Item 301)	
301	1001255794	4	Decal - Max Tire Load	

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FIGURE 9-3. DECAL INSTALLATION - BRAZIL SPECS

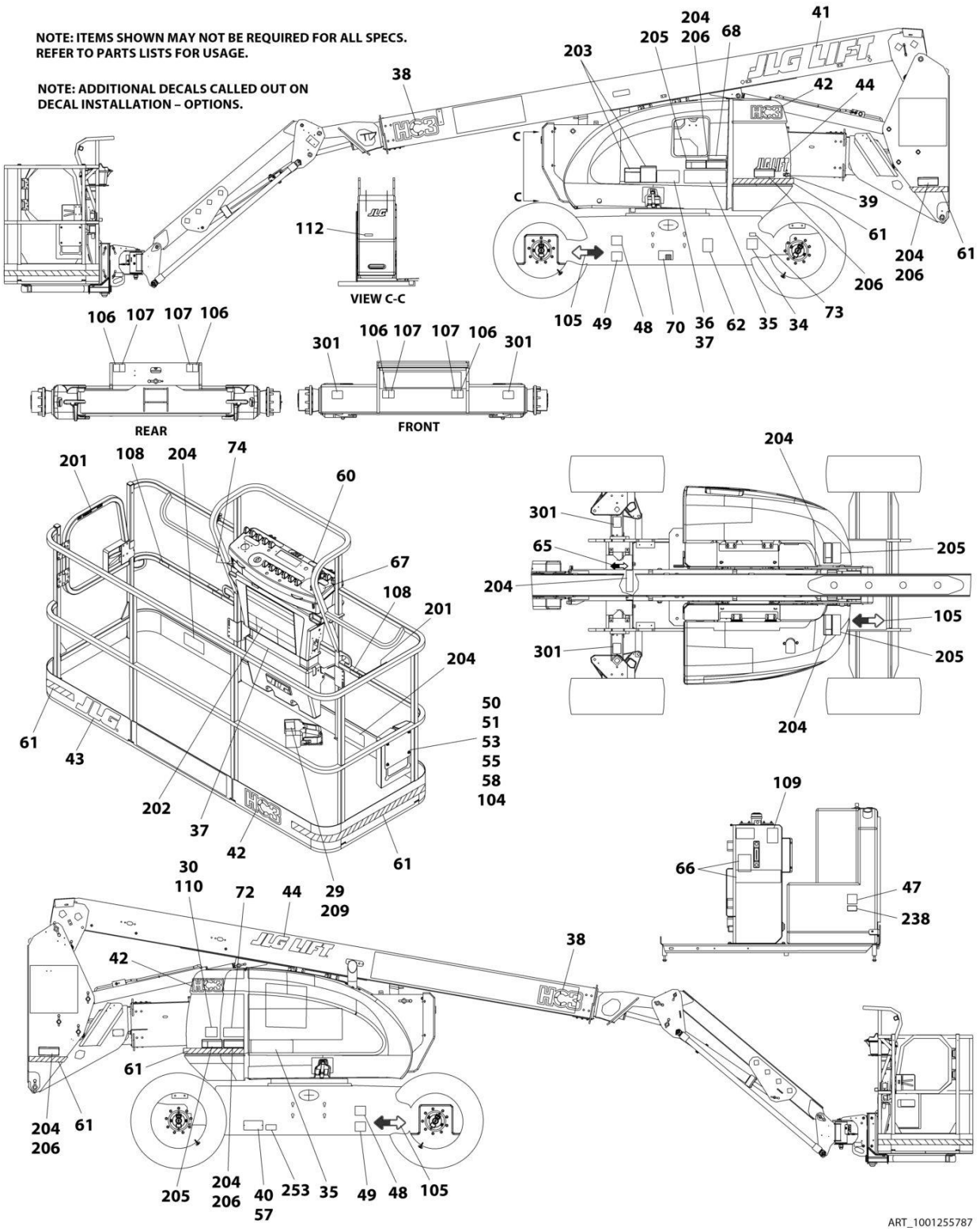


FIGURE 9-3. DECAL INSTALLATION - BRAZIL SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255787	Ref	DECAL INSTALLATION	D
	1001255196	Ref	DECAL REFERENCE CHART	C
34	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
35	1001267311	2	Decal - 600AJ	
36	1001255915	1	Decal - Warning	
37	1001255914	1	Decal - Warning	
39	1704885	1	Decal - Website	
50	0100011	AR	Compound, Locking	
51	0641406	4	Bolt 1/4 x 3/4	
53	0860520	1	Box, Manual Storage	
55	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	8	Washer 1/4	
60	1001184618	1	Decal - Stop	
61	4420051	22 ft/6.7m	Tape, Safety	
65	1703687	1	Decal - Direction Arrow	
66	1703544	1	Decal - Upright Level Over-Ride	
67	1705905	1	Decal - Drive/Steer Instructions	
70	1001224052	1	Decal - Yearly Inspection	
70	1001267885	1	Decal - Yearly Inspection	
72	1001284696	1	Decal - Lift Diagram	
100	2902303	1	Decal Kit - Master (Includes Items 104-109)	
104	1701509	1	Decal - Manual	
105	1701529	6	Decal - Arrow	
106	1703811	4	Decal - Tie Down/Lift	
107	1703814	6	Decal - Tie Down	
108	1704277	4	Decal - Attach Lanyard Here	
109	1704412	1	Decal - Hydraulic Oil Chart	
200	2902312	1	Decal Kit - Country Spec (Includes Items 201-209)	
201	1705967	2	Decal - No Hands	
202	1705895	1	Decal - Warning/Danger	
203	1705896	1	Decal - Warning Inspection (MTB)	
204	1705898	5	Decal - Warning Crushing	
205	1705897	5	Decal - Danger Electrocution	
206	1705903	7	Decal - Warning Crushing	
209	1705902	1	Decal - Footswitch	
300	1001255795	1	Decal Max Tire Load Kit (Includes Item 301)	
301	1001255794	4	Decal- Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-4. DECAL INSTALLATION - CE, RUSSIAN & UK CA SPECS

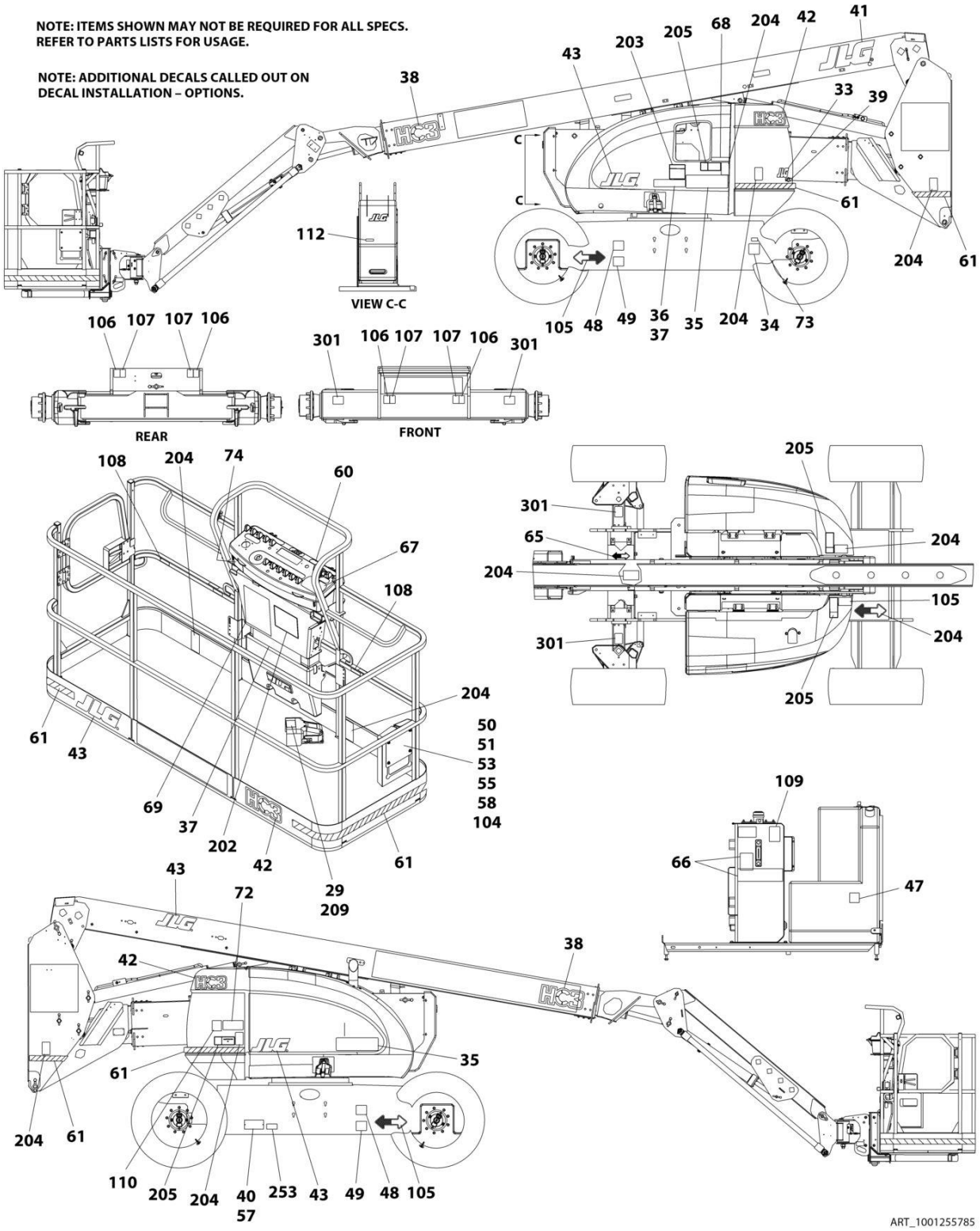


FIGURE 9-4. DECAL INSTALLATION - CE, RUSSIAN & UK CA SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255785	Ref	DECAL INSTALLATION	E
	1001257285	Ref	DECAL REFERENCE CHART	B
34	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
35	1001267311	2	Decal - 600AJ	
36	1001234439	1	Decal - Capacity	
37	1001234439	1	Decal - Capacity	
50	0100011	AR	Compound, Locking	
51	0641406	4	Bolt 1/4 x 3/4	
53	0860520	1	Box, Manual Storage	
55	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	8	Washer 1/4	
60	1001184618	1	Decal - Stop	
61	4420051	22 ft/6.7m	Decal - Warning Stripe	
65	1703687	1	Decal - Direction Arrow	
66	1705977	1	Decal - Upright Level Over-Ride	
72	1001284696	1	Decal - Lift Diagram	
100	2902303	1	Decal Kit - Master (Includes Items 104-110)	
104	1701509	1	Decal - Manual	
105	1701529	3	Decal - Arrow	
106	1703811	4	Decal - Tie Down/Lift	
107	1703814	4	Decal - Tie Down	
108	1704277	3	Decal - Attach Lanyard Here	
109	1704412	1	Decal - Hydraulic Oil Chart	
200	2902329	1	Decal Kit - Country Spec (Includes Items 202-209)	
202	1705921	1	Decal - Tipping/Electrical Platform	
203	1705822	1	Decal - Electrical/Safety Manual	
204	1701518	10	Decal - Warning Crushing	
205	1705961	4	Decal - Danger Electrocution	
209	1705828	4	Decal - Footswitch	
300	1001255795	1	Decal Max Tire Load Kit (Includes Item 301)	
301	1001255794	4	Decal - Max Tire Load	

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FIGURE 9-5. DECAL INSTALLATION - CHINESE SPECS (SIMPLIFIED)

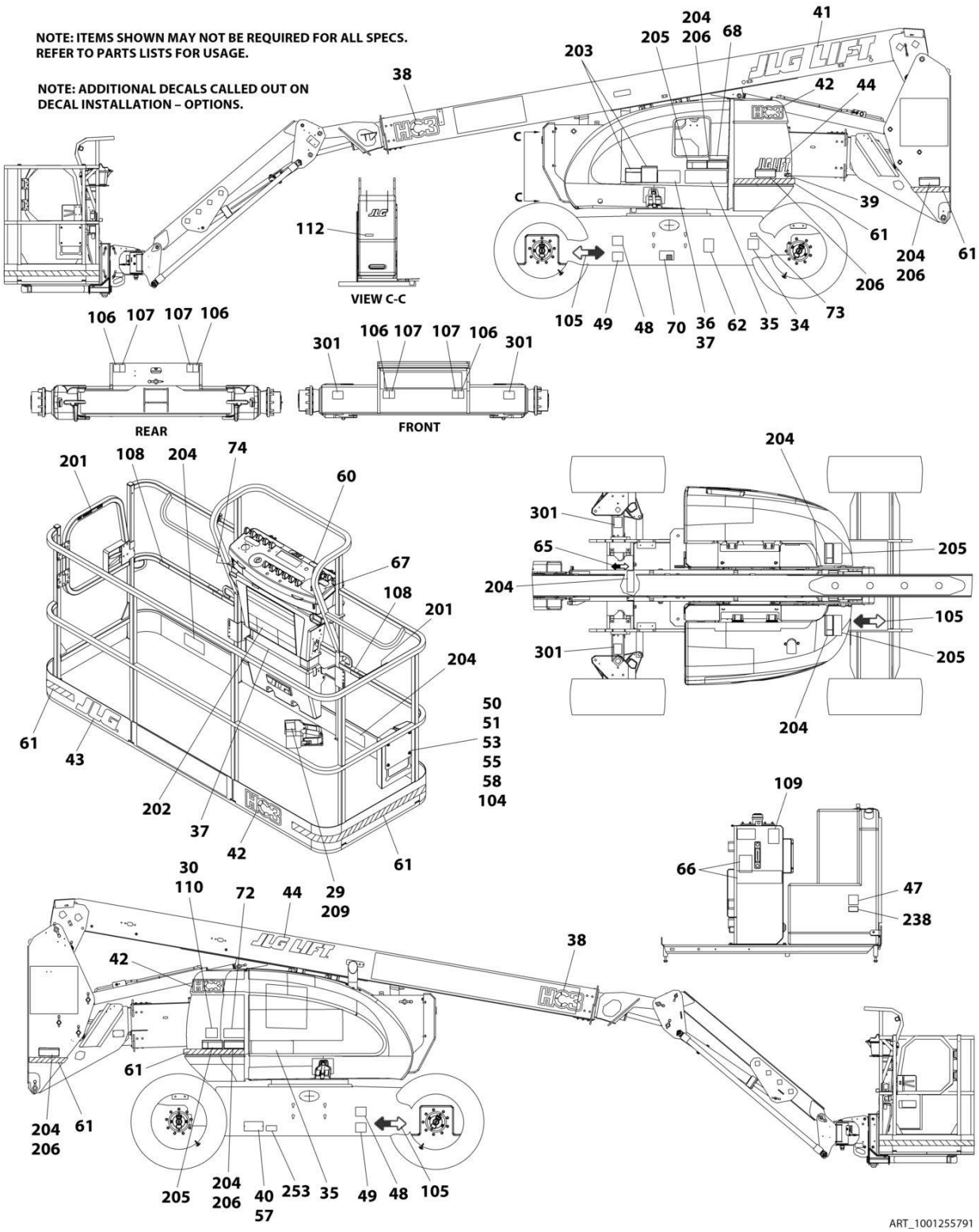


FIGURE 9-5. DECAL INSTALLATION - CHINESE SPECS (SIMPLIFIED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255791	Ref	DECAL INSTALLATION	D
	1001255196	Ref	DECAL REFERENCE CHART	C
34	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
35	1001267311	1	Decal - 600AJ	
36	1001235402	1	Decal - Warning	
37	1001235401	1	Decal - Warning	
39	1704885	1	Decal - Website	
50	0100011	AR	Compound, Locking	
51	0641406	4	Bolt 1/4 x 3/4	
53	0860520	1	Box, Manual Storage	
55	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	8	Washer 1/4	
60	1001184618	1	Decal - Stop	
61	4420051	22 ft/6.7m	Tape, Safety	
65	1703687	1	Decal - Direction Arrow	
66	1001116861	1	Decal - Upright Level Over-Ride	
67	1705430	1	Decal - Drive/Steer Instructions	
70	1001224051	1	Decal - Yearly Inspection	
72	1001284696	1	Decal - Lift Diagram	
100	2902303	1	Decal Kit - Master (Includes Items 104-112)	
104	1701509	1	Decal - Manual	
105	1701529	6	Decal - Arrow	
106	1703811	4	Decal - Tie Down/Lift	
107	1703814	6	Decal - Tie Down	
108	1704277	4	Decal - Attach Lanyard Here	
109	1704412	1	Decal - Hydraulic Oil Chart	
112	3251243	1	Nameplate - 120V-60Hz	
200	1001116844	1	Decal Kit - Country Spec (Includes Items 201-209)	
201	1705968	2	Decal - No Hands	
202	1001116847	1	Decal - Warning/Danger	
203	1001116848	2	Decal - Warning Inspection (MTB)	
204	1001116850	6	Decal - Warning Crushing	
205	1703937	5	Decal - Danger Electrocution	
206	1001116845	7	Decal - Warning Crushing	
209	1001116852	1	Decal - Foot Switch	
300	1001255795	1	Decal Max Tire Load Kit (Includes Item 301)	
301	1001255794	4	Decal - Max Tire Load	

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FIGURE 9-6. DECAL INSTALLATION - CHINESE SPECS (TRADITIONAL)

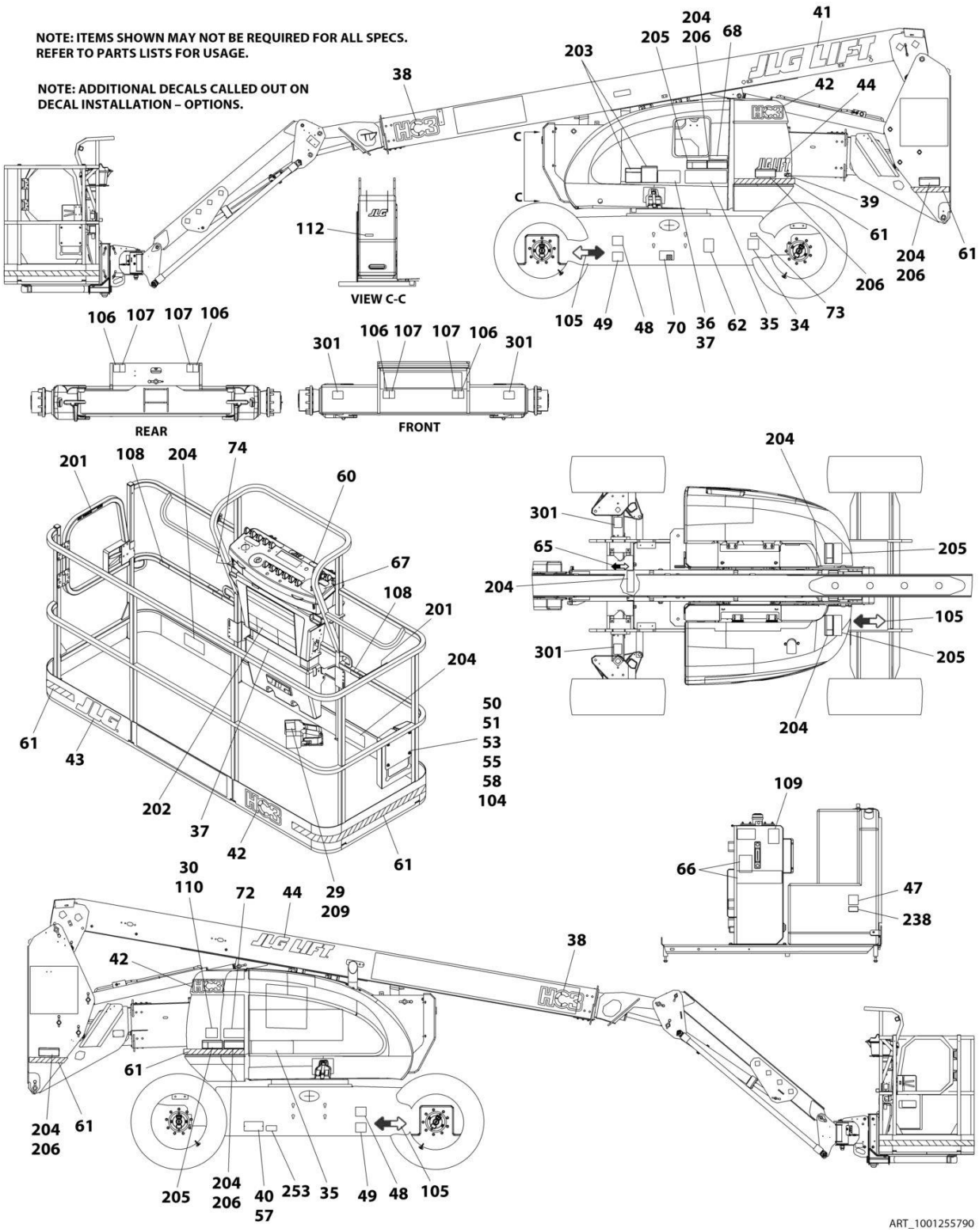


FIGURE 9-6. DECAL INSTALLATION - CHINESE SPECS (TRADITIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255790	Ref	DECAL INSTALLATION	D
	1001255196	Ref	DECAL REFERENCE CHART	C
34	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
35	1001267311	1	Decal - 600AJ	
36	1001234436	1	Decal - Warning	
37	1001234435	1	Decal - Warning	
39	1704885	1	Decal - Website	
50	0100011	AR	Compound, Locking	
51	0641406	4	Bolt 1/4 x 3/4	
53	0860520	1	Box, Manual Storage	
55	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	8	Washer 1/4	
60	1001184618	1	Decal - Stop	
61	4420051	22 ft/6.7m	Tape, Safety	
65	1703687	1	Decal - Direction Arrow	
66	1001116862	1	Decal - Upright Level Over-Ride	
67	1001116863	1	Decal - Drive/Steer Instructions	
70	1001224050	1	Decal - Yearly Inspection	
72	1001284696	1	Decal - Lift Diagram	
100	2902303	1	Decal Kit - Master (Includes Items 104-112)	
104	1701509	1	Decal - Manual	
105	1701529	6	Decal - Arrow	
106	1703811	4	Decal - Tie Down/Lift	
107	1703814	6	Decal - Tie Down	
108	1704277	4	Decal - Attach Lanyard Here	
109	1704412	1	Decal - Hydraulic Oil Chart	
112	3251243	1	Nameplate - 120V-60Hz	
200	2902309	1	Decal Kit - Country Spec (Includes Items 201-209)	
201	1001116846	2	Decal - No Hands	
202	1703925	1	Decal - Warning/Danger	
203	1001116849	2	Decal - Warning Inspection (MTB)	
204	1703949	5	Decal - Warning Crushing	
205	1001116851	5	Decal - Danger Electrocution	
206	1703943	7	Decal - Warning Crushing	
209	1703982	1	Decal - Foot Switch	
300	1001255795	1	Decal Max Tire Load Kit (Includes Item 301)	
301	1001255794	4	Decal - Max Tire Load	

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FIGURE 9-7. DECAL INSTALLATION - CSA SPECS

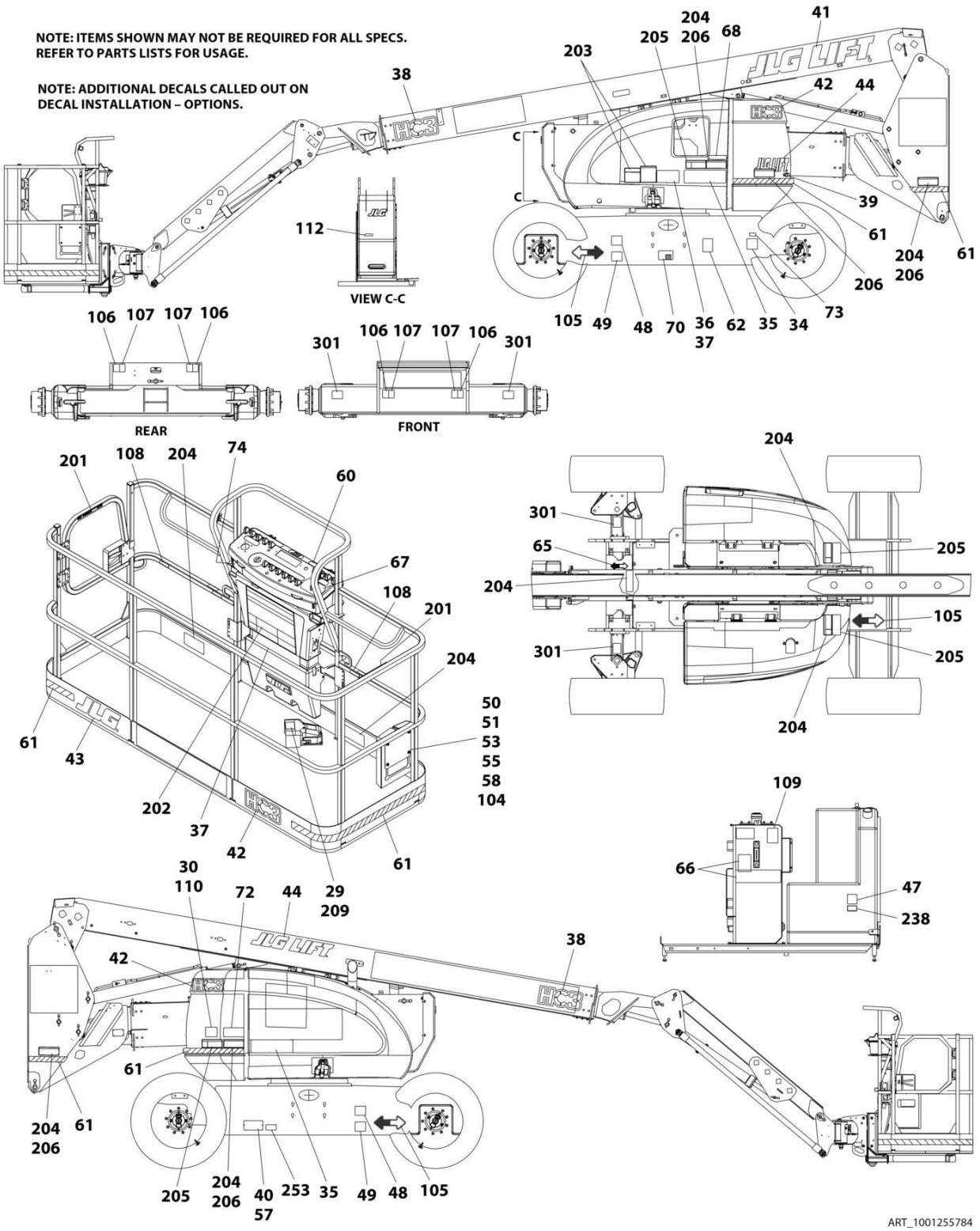


FIGURE 9-7. DECAL INSTALLATION - CSA SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255784	Ref	DECAL INSTALLATION	D
	1001255196	Ref	DECAL REFERENCE CHART	C
34	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
35	1001267311	2	Decal - 600AJ	
36	1001234434	1	Decal - Warning	
37	1001234433	1	Decal - Warning	
39	1704885	1	Decal - Website	
50	0100011	AR	Compound, Locking	
51	0641406	4	Bolt 1/4 x 3/4	
53	0860520	1	Box, Manual Storage	
55	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	8	Washer 1/4	
60	1001184618	1	Decal - Stop.	
61	4420051	22 ft/6.7m	Tape, Safety	
62	1001131269	1	Decal - Patent	
65	1703687	1	Decal - Direction Arrow	
66	1703990	1	Decal - Upright Level Over-Ride	
67	1705429	1	Decal - Drive/Steer Instructions	
70	1001223971	1	Decal - Yearly Inspection	
72	1001284696	1	Decal - Lift Diagram	
73	1001223453	1	Decal - ICES	
100	2902303	1	Decal Kit - Master (Includes Items 104-112)	
104	1701509	1	Decal - Manual	
105	1701529	6	Decal - Arrow	
106	1703811	4	Decal - Tie Down/Lift	
107	1703814	6	Decal - Tie Down	
108	1704277	4	Decal - Attach Lanyard Here	
109	1704412	1	Decal - Hydraulic Oil Chart	
112	3251243	1	Nameplate - 120V-60Hz	
200	2902322	1	Decal Kit - Country Spec (Includes Items 201-209)	
201	1704000	2	Decal - No Hands	
202	1703624	1	Decal - Warning/Danger	
203	1705347	1	Decal - Warning Inspection (MTB)	
204	1703948	5	Decal - Warning Crushing	
205	1703936	5	Decal - Danger Electrocution	
206	1703942	7	Decal - Warning Crushing	
209	1703984	1	Decal - Footswitch	
300	1001255795	1	Decal Max Tire Load Kit (Includes Item 301)	
301	1001255794	4	Decal - Max Tire Load	

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FIGURE 9-8. DECAL INSTALLATION - JAPANESE SPECS

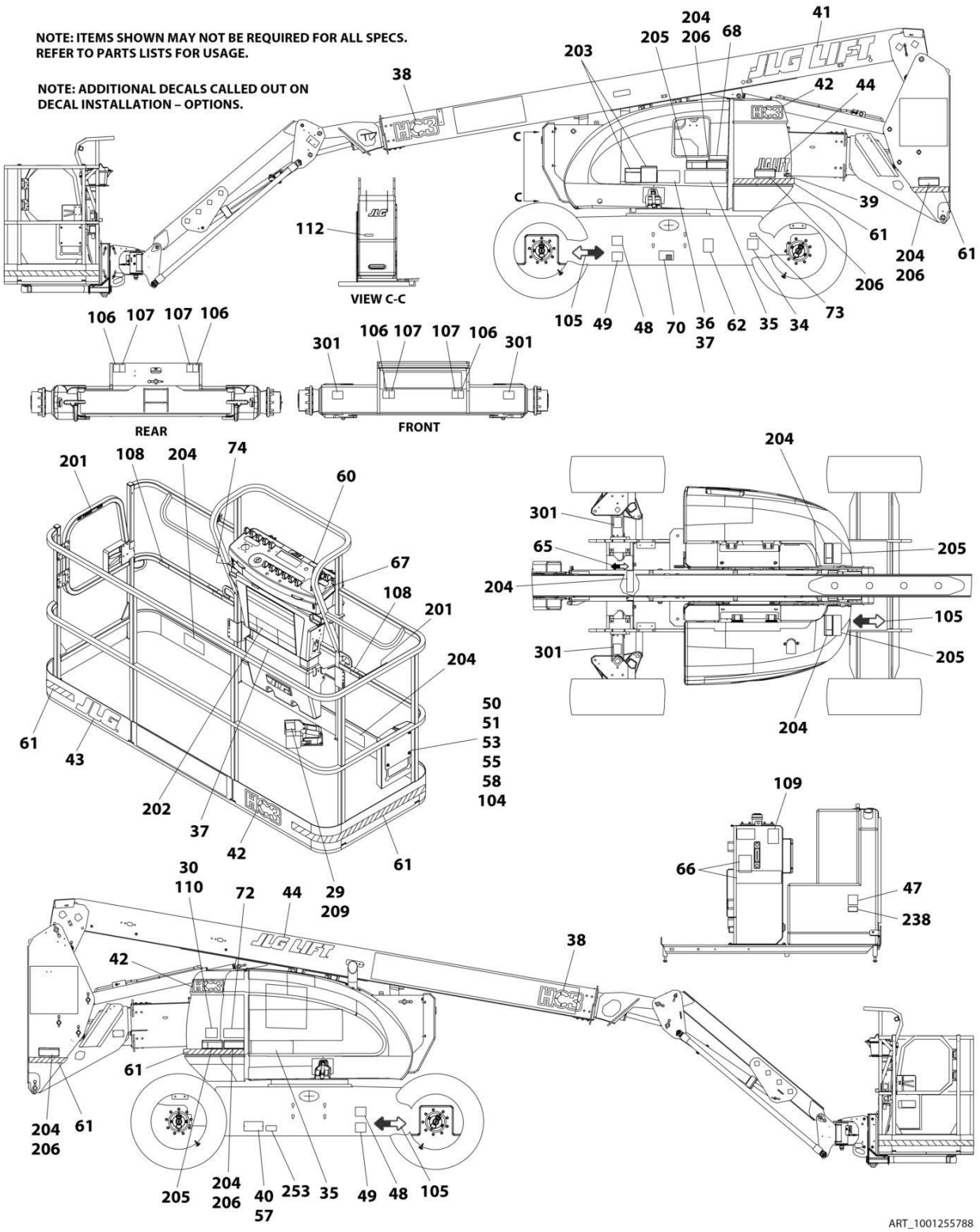


FIGURE 9-8. DECAL INSTALLATION - JAPANESE SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255788	Ref	DECAL INSTALLATION	D
	1001255196	Ref	DECAL REFERENCE CHART	C
34	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
35	1001267311	2	Decal - 600AJ	
35	1001234429	1	Decal - Warning	
36	1001234428	1	Decal - Warning	
39	1704885	1	Decal - Website	
50	0100011	AR	Compound, Locking	
51	0641406	4	Bolt 1/4 x 3/4	
53	0860520	1	Box, Manual Storage	
55	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	8	Washer 1/4	
60	1001184618	1	Decal - Stop	
61	4420051	22 ft/6.7m	Tape, Safety	
65	1703687	1	Decal - Direction Arrow	
66	1702271	1	Decal - Upright Level Over-Ride	
67	1705426	1	Decal - Drive/Steer Instructions	
70	1001224053	1	Decal - Yearly Inspection	
72	1001284696	1	Decal - Lift Diagram	
100	2902303	1	Decal Kit - Master (Includes Items 104-112)	
104	1701509	1	Decal - Manual	
105	1701529	6	Decal - Arrow	
106	1703811	4	Decal - Tie Down/Lift	
107	1703814	6	Decal - Tie Down	
108	1704277	4	Decal - Attach Lanyard Here	
109	1704412	1	Decal - Hydraulic Oil Chart	
112	3251243	1	Nameplate - 120V-60Hz	
200	2902308	1	Decal Kit - Country Spec (Includes Items 202-209)	
202	1703926	1	Decal - Warning/Danger	
203	1705344	1	Decal - Warning Inspection (MTB)	
204	1703950	5	Decal - Warning Crushing	
205	1703938	5	Decal - Danger Electrocution	
206	1703944	7	Decal - Warning Crushing	
209	1703980	1	Decal - Footswitch	
300	1001255795	1	Decal Max Tire Load Kit (Includes Item 301)	
301	1001255794	4	Decal - Max Tire Load	

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FIGURE 9-9. DECAL INSTALLATION - KOREAN SPECS

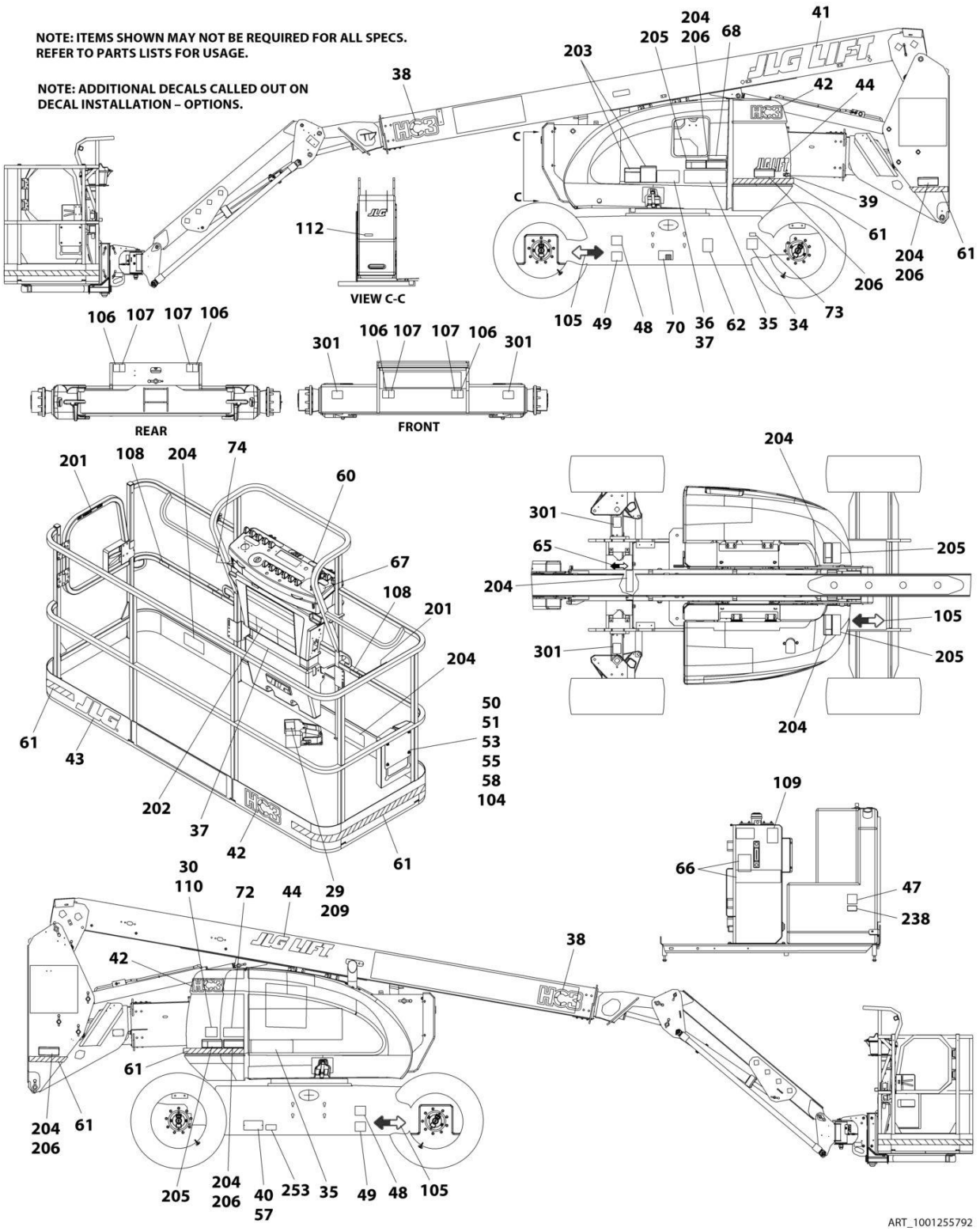


FIGURE 9-9. DECAL INSTALLATION - KOREAN SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255792	Ref	DECAL INSTALLATION	D
	1001255196	Ref	DECAL REFERENCE CHART	C
34	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
35	1001267311	1	Decal - 600AJ	
36	1001235585	1	Decal - Warning	
37	1001234430	1	Decal - Warning	
39	1704885	1	Decal - Website	
50	0100011	AR	Compound, Locking	
51	0641406	4	Bolt 1/4 x 3/4	
53	0860520	1	Box, Manual Storage	
55	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	8	Washer 1/4	
60	1001184618	1	Decal - Stop	
61	4420051	22 ft/6.7m	Tape, Safety	
65	1703687	1	Decal - Direction Arrow	
66	1703987	1	Decal - Upright Level Over-Ride	
67	1705427	1	Decal - Drive/Steer Instructions	
70	1001224048	1	Decal - Yearly Inspection	
72	1001284696	1	Decal - Lift Diagram	
100	2902303	1	Decal Kit - Master (Includes Items 104-112)	
104	1701509	1	Decal - Manual	
105	1701529	6	Decal - Arrow	
106	1703811	4	Decal - Tie Down/Lift	
107	1703814	6	Decal - Tie Down	
108	1704277	4	Decal - Attach Lanyard Here	
109	1704412	1	Decal - Hydraulic Oil Chart	
112	3251243	1	Nameplate - 120V-60Hz	
200	2902310	1	Decal Kit - Country Spec (Includes Items 201-209)	
201	1705969	2	Decal - No Hands	
202	1703927	1	Decal - Warning/Danger	
203	1705345	1	Decal - Warning Inspection (MTB)	
204	1703951	5	Decal - Warning Crushing	
205	1703939	5	Decal - Danger Electrocution	
206	1703945	7	Decal - Warning Crushing	
209	1703981	1	Decal - Footswitch	
300	1001255795	1	Decal Max Tire Load Kit (Includes Item 301)	
301	1001255794	4	Decal - Max Tire Load	

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FIGURE 9-10. DECAL INSTALLATION - LATIN AMERICAN SPECS

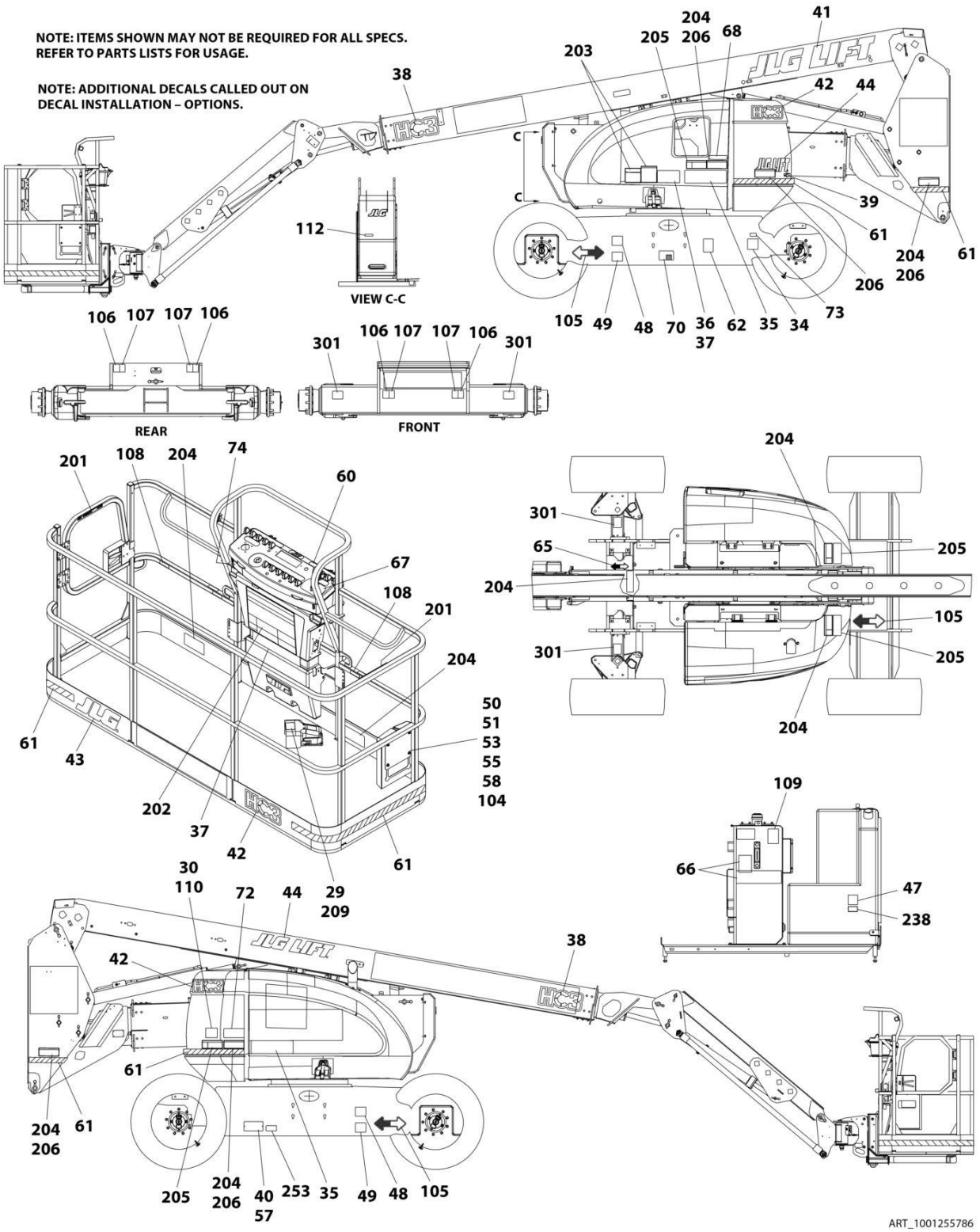


FIGURE 9-10. DECAL INSTALLATION - LATIN AMERICAN SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255786	Ref	DECAL INSTALLATION	D
	1001255196	Ref	DECAL REFERENCE CHART	C
34	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
35	1001267311	2	Decal - 600AJ	
36	1001234432	1	Decal - Warning	
37	1001234431	1	Decal - Warning	
39	1704885	1	Decal - Website	
50	0100011	AR	Compound, Locking	
51	0641406	4	Bolt 1/4 x 3/4	
53	0860520	1	Box, Manual Storage	
55	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	8	Washer 1/4	
60	1001184618	1	Decal - Stop	
61	4420051	22 ft/6.7m	Tape, Safety	
65	1703687	1	Decal - Direction Arrow	
66	1702617	1	Decal - Upright Level Over-Ride	
67	1705910	1	Decal - Drive/Steer Instructions	
70	1001224049	1	Decal - Yearly Inspection	
72	1001284696	1	Decal - Lift Diagram	
100	2902303	1	Decal Kit - Master (Includes Items 104-112)	
104	1701509	1	Decal - Manual	
105	1701529	6	Decal - Arrow	
106	1703811	4	Decal - Tie Down/Lift	
107	1703814	6	Decal - Tie Down	
108	1704277	4	Decal - Attach Lanyard Here	
109	1704412	1	Decal - Hydraulic Oil Chart	
112	3251243	1	Nameplate - 120V-60Hz	
200	2902311	1	Decal Kit - Country Spec (Includes Items 201-209)	
201	1704001	2	Decal - No Hands	
202	1703923	1	Decal - Warning/Danger	
203	1705917	1	Decal - Warning Inspection (MTB)	
204	1703947	5	Decal - Warning Crushing	
205	1703935	5	Decal - Danger Electrocution	
206	1703941	7	Decal - Warning Crushing	
209	1703983	1	Decal - Footswitch	
300	1001255795	1	Decal Max Tire Load Kit (Includes Item 301)	
301	1001255794	4	Decal - Max Tire Load	

FIGURE 9-11. DECAL INSTALLATION - OPTIONS

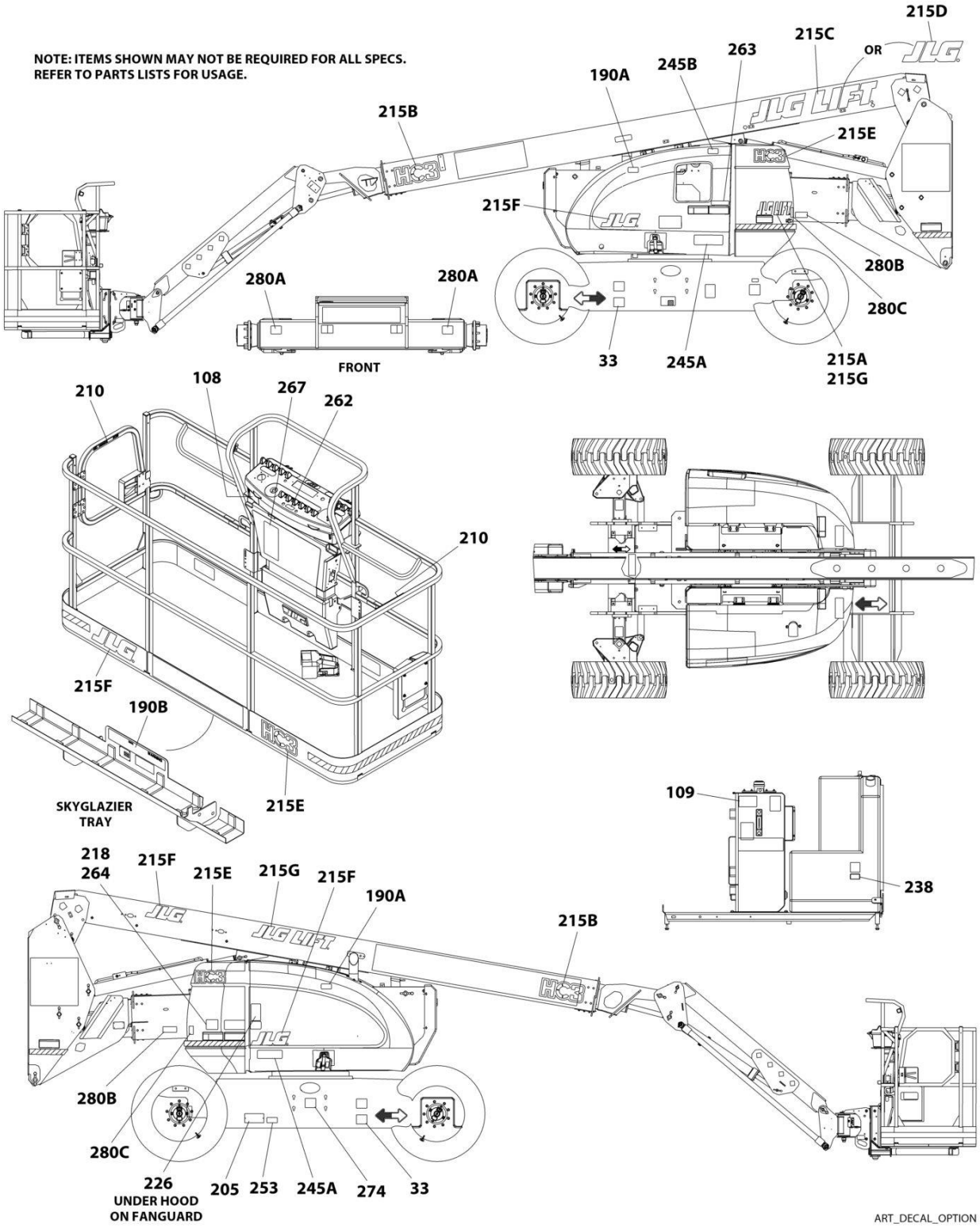


FIGURE 9-11. DECAL INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255196	Ref	DECAL INSTALLATION - REFERENCE CHART (ALL SPECS EXCEPT CE & UK CA SPECS)	C
	1001257285	Ref	DECAL INSTALLATION - REFERENCE CHART (CE & UK CA SPECS)	B
	1001245251	Ref	DECAL INSTALLATION - OPTIONS	C
33	1700818	1	Decal - Fuel (LP Gas Machines) (English Language) (ANSI and Australian Specs)	
33	1704271	1	Decal - Fuel (LP Gas Machines) (English/French Languages) (CSA Specs)	
33	1702720	1	Decal - Fuel (LP Gas Machines) (English/Spanish Languages) (ANSI Export and China Specs)	
108	1001231801	1	Decal - Warning Proposition 65 (ANSI Specs)	
109	1702788	1	Decal - Biodegradable Hydraulic Fluid (English Language) (ANSI, Australian, CSA, CE & UK CA Specs)	
109	1703479	1	Decal - Biodegradable Hydraulic Fluid (German Language) (CE & UK CA Specs)	
109	1704174	Ref	Decal - Biodegradable (Synthetic) Hydraulic Fluid (English Language)	
109	1704175	Ref	Decal - Biodegradable (Synthetic) Hydraulic Fluid (German Language)	
190		Ref	Decal Installation - SkyGlazier Options:	
190	1001262102	Ref	Decal Installation - SkyGlazier (ANSI/ANSI EXPORT/CSA Specs)	A
190	1001262105	Ref	Decal Installation - SkyGlazier (Australian Specs)	A
190	1001262104	Ref	Decal Installation - SkyGlazier (Brazil Specs) (Portuguese Language)	A
190	1001262103	Ref	Decal Installation - SkyGlazier (Brazil/Latin American Specs) (Spanish Language)	A
190A	1705358	2	Decal - SkyGlazier	
190B		Ref	Decal - SkyGlazier Capacity Options:	
190B	1001259018	2	Decal - SkyGlazier Capacity (ANSI/ANSI Export/CSA Specs)	
190B	1001262117	2	Decal - SkyGlazier Capacity (Australian Specs)	
190B	1001262116	2	Decal - SkyGlazier Capacity (Brazil Specs) (Portugeuse Language)	
190B	1001262115	2	Decal - SkyGlazier Capacity (Brazil/Latin American Specs) (Spanish Language)	
190B	1001262239	2	Decal - SkyGlazier Capacity (Danish Language)	
190B	1001262232	2	Decal - SkyGlazier Capacity (French Language)	
190B	1001262233	2	Decal - SkyGlazier Capacity (German Language)	
190B	1001262234	2	Decal - SkyGlazier Capacity (Italian Language)	
190B	1001262237	2	Decal - SkyGlazier Capacity (Portuguese Language)	
190B	1001262238	2	Decal - SkyGlazier Capacity (Swedish Language)	
190B	1001262235	2	Decal - SkyGlazier Capacity (UK English Language)	
205	See Note	1	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
210	1702868	2	Decal - No Hands (English Language)	
210	1705968	2	Decal - No Hands (English/Chinese Language) (Simplified)	
210	1001116846	2	Decal - No Hands (English/Chinese Language) (Traditional)	
210	1704000	2	Decal - No Hands (English/French Language)	
210	1705969	2	Decal - No Hands (English/Korean Language)	
210	1705967	2	Decal - No Hands (English/Portuguese Language)	
210	1704001	2	Decal - No Hands (English/Spanish Language)	
215	1001255780	Ref	Decal - Logo Installation (All Specs Except CE & UK CA Specs)	B

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
215	1001257137	Ref	Decal - Logo Installation (CE, RUSSIAN, & UK CA Specs)	A
215A	1701435	1	Decal - JLG Lift (CE & UK CA Specs)	
215B	1001256906	2	Decal - HC3	
215C	1702861	1	Decal - JLG Lift (All Specs Except CE & UK CA Specs)	
215D	1001159323	1	Decal - JLG (CE & UK CA Specs)	
215E	1001244212	3	Decal - HC3	
215F	1702773	AR	Decal - JLG	
215G	1702860	2	Decal - JLG Lift (All Specs Except CE & UK CA Specs)	
218	3251813	1	Decal - USA (All Specs Except Australian, Japanese, CE & UK CA Specs)	
226	1704972	1	Decal - Warning Explosion/ Fire (English Language) (Diesel Machines) (CSA Specs)	
226	1706098	1	Decal - Warning Explosion/Fire (English Language) (Diesel Machines) (Australian, CE & UK CA Specs)	
226	1706059	1	Decal - Warning Explosion/Fire (English/Portuguese Language) (Diesel Machines) (Brazil Specs)	
226	1706060	1	Decal - Warning Explosion/Fire (English/Chinese Language) (Diesel Machines) (ANSI Export (LRC) & Chinese Specs)	
226	1706064	1	Decal - Warning Explosion/Fire (English Language) (Diesel Machines) (CSA Specs)	
226	1706062	1	Decal - Warning Explosion/Fire (English/Japanese Language) (Diesel Machines) (Japanese Specs)	
226	1706061	1	Decal - Warning Explosion/Fire (English/Korean Language) (Diesel Machines) (Korean Specs)	
226	1706063	1	Decal - Warning Explosion/Fire - (English/Spanish Language) (Diesel Machines) (Latin American Specs)	
238	1001125387	1	Decal - Ultra Low Sulfur Fuel (Diesel Machines) (ANSI, ANSI Export (HRC) & CSA Specs)	
238	1001139654	1	Decal - Ultra Low Sulfur Fuel (Diesel Machines) (Japanese, CE & UK CA Specs)	
245	1001127095	Ref	Decal Installation - ClearSky (Machines with ClearSky Option)	
245A	1001116208	2	Decal - ClearSky	
245B	1001120989	1	Decal - Radio Frequency	
253	1001143852	1	Decal - Emission Compliance (Diesel Machines) (ANSI Export (LRC), Australian, Chinese, CE & UK CA Specs)	
262	1001141300	1	Decal - SkyGuard Override (Machines without Soft Touch Option)	
262	1001141302	1	Decal - SkyGuard Override (Machines with Soft Touch Option)	
263	1001197408	1	Decal - MSSO (CE & UK CA Specs)	
264	1001273784	1	Decal - Sound Power (100dB) (CE & UK CA Specs)	
267	1001200124	1	Decal - Quick Start Guide (Danish Language)	
267	1001200121	1	Decal - Quick Start Guide (Dutch Language)	
267	1001180861	1	Decal - Quick Start Guide (English Language)	
267	1001200120	1	Decal - Quick Start Guide (French Language)	
267	1001200122	1	Decal - Quick Start Guide (German Language)	
267	1001200127	1	Decal - Quick Start Guide (Norwegian Language)	
267	1001200125	1	Decal - Quick Start Guide (Swedish Language)	
267	1001200126	1	Decal - Quick Start Guide (Spanish Language)	
274	1001214030	Ref	Decal - EAC Installation (C.I.S and Russia Specs)	
274	1001173703	1	Decal - EAC	
280	1001220864	Ref	Decal Kit - Boom Transport Position	
280A	1001220512	2	Decal - Lower Boom	
280B	1001220510	2	Decal - Warning Arrow	
280C	1001220511	2	Decal - Warning Stripe	

FIGURE 9-12. SKYCUTTER DECAL INSTALLATION (ALL SPECS EXCEPT AUSTRALIAN, CE & JAPANESE SPECS)

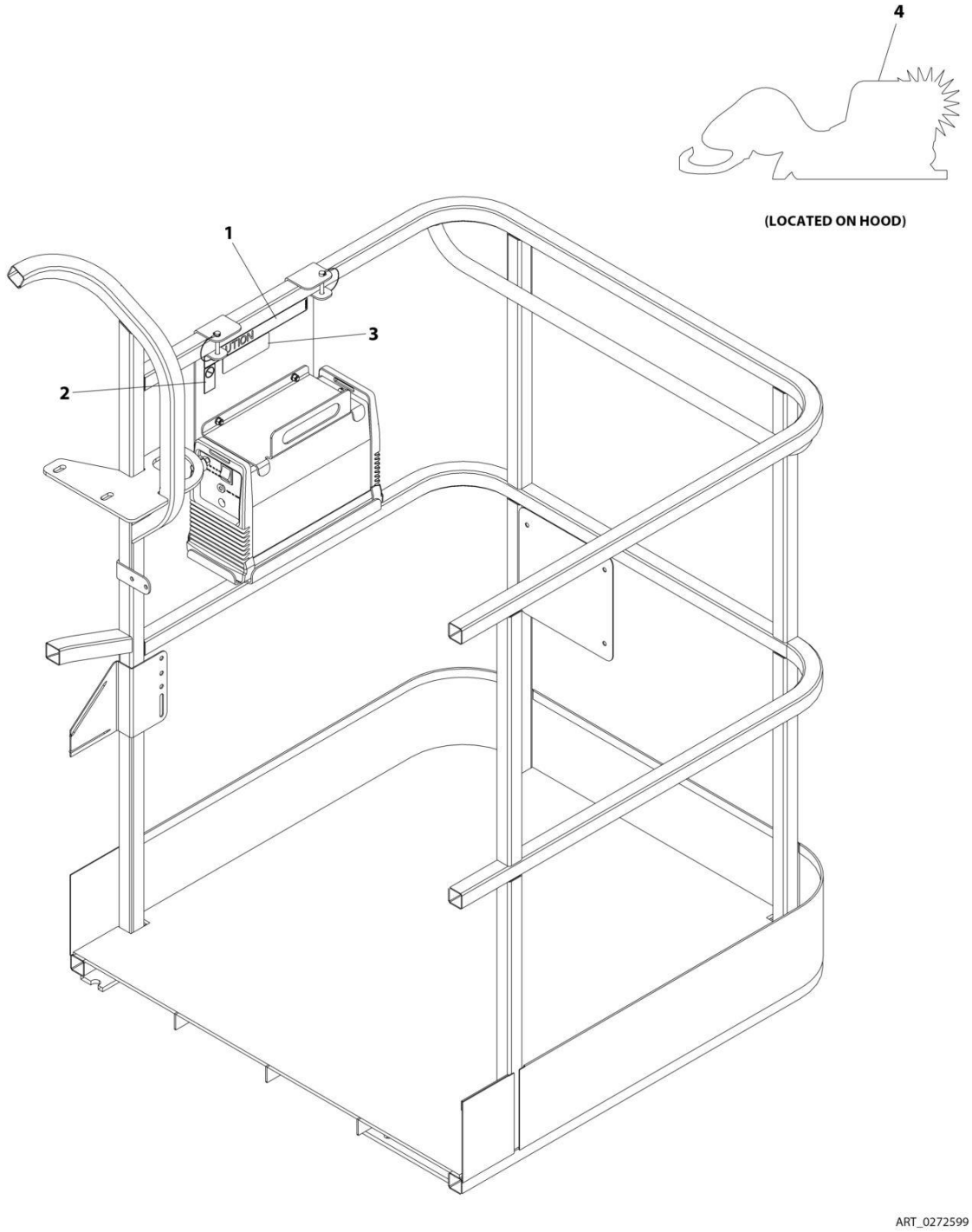


FIGURE 9-12. SKYCUTTER DECAL INSTALLATION (ALL SPECS EXCEPT AUSTRALIAN, CE & JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272599	Ref	SKYCUTTER DECAL INSTALLATION	C
1	1702868	1	Decal - No Hands	
2	1705305	1	Decal - Weld Leads	
3	1001252627	1	Decal - Weight	
4	1705490	2	Decal - SkyCutter	

FIGURE 9-13. SKYCUTTER DECAL INSTALLATION (JAPANESE SPECS)

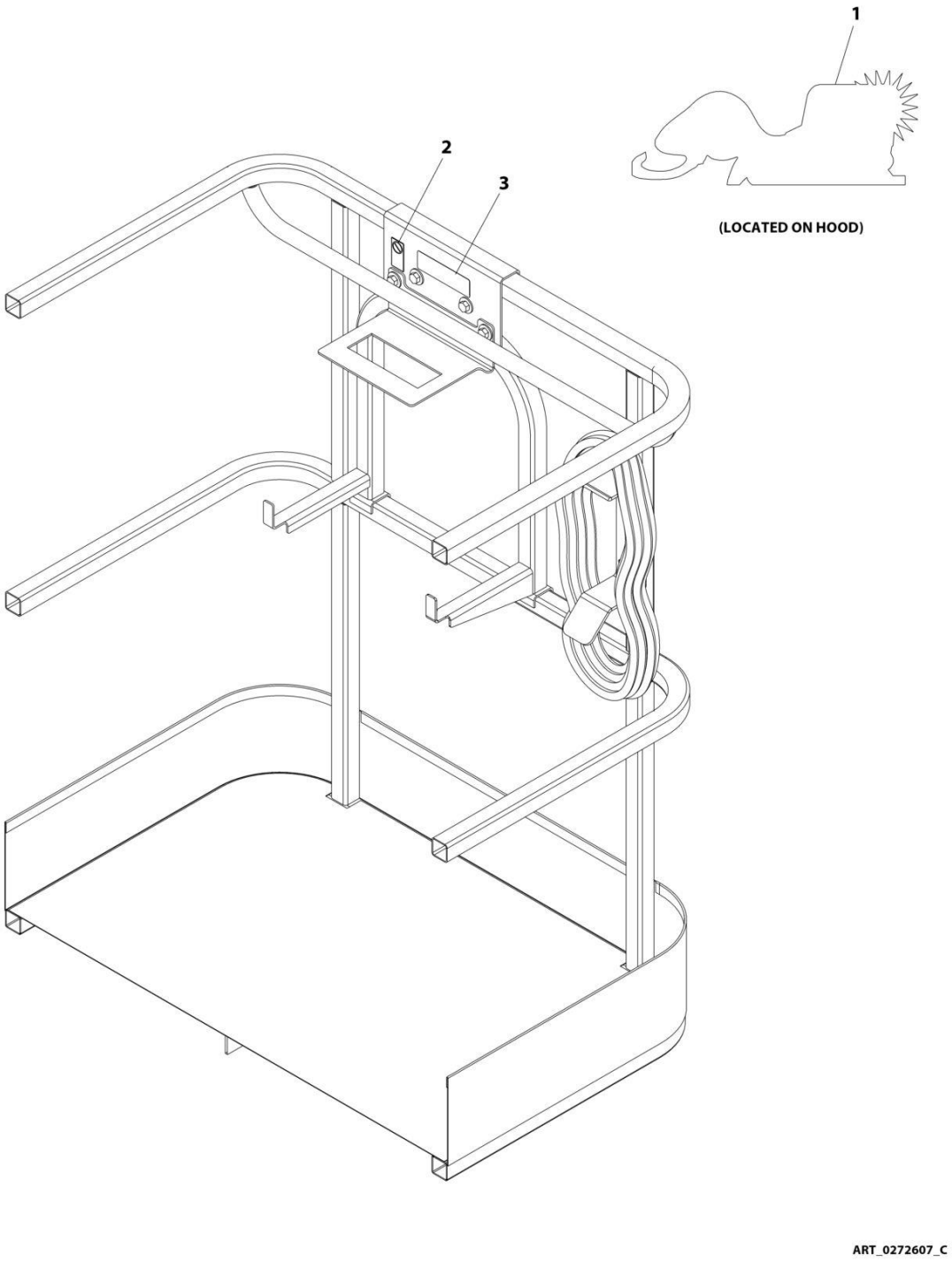


FIGURE 9-13. SKYCUTTER DECAL INSTALLATION (JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272607	1	SKYCUTTER DECAL INSTALLATION	C
1	1705490	2	Decal - SkyCutter	
2	1705305	1	Decal - Weld Lead	
3	1001252627	1	Decal - Weight	

FIGURE 9-14. SKYWELDER DECAL INSTALLATION - 50HZ

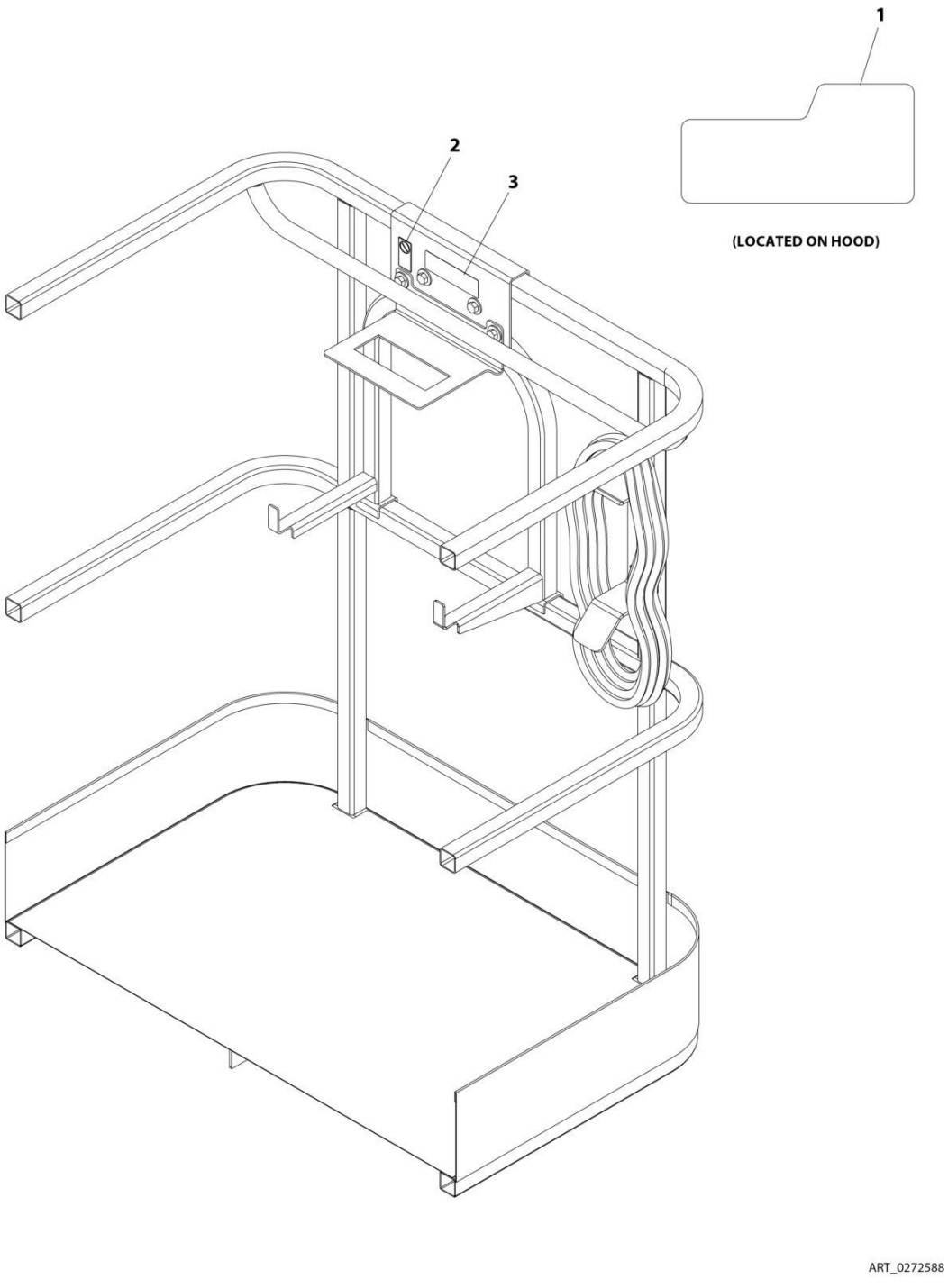


FIGURE 9-14. SKYWELDER DECAL INSTALLATION - 50HZ

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272588	Ref	SKYWELDER DECAL INSTALLATION - 50Hz	B
1	1705355	2	Decal - SkyWelder	
2	1705305	1	Decal - Weld Lead	
3	1001228988	1	Decal - Weight	

FIGURE 9-15. SKYWELDER DECAL INSTALLATION - 60HZ

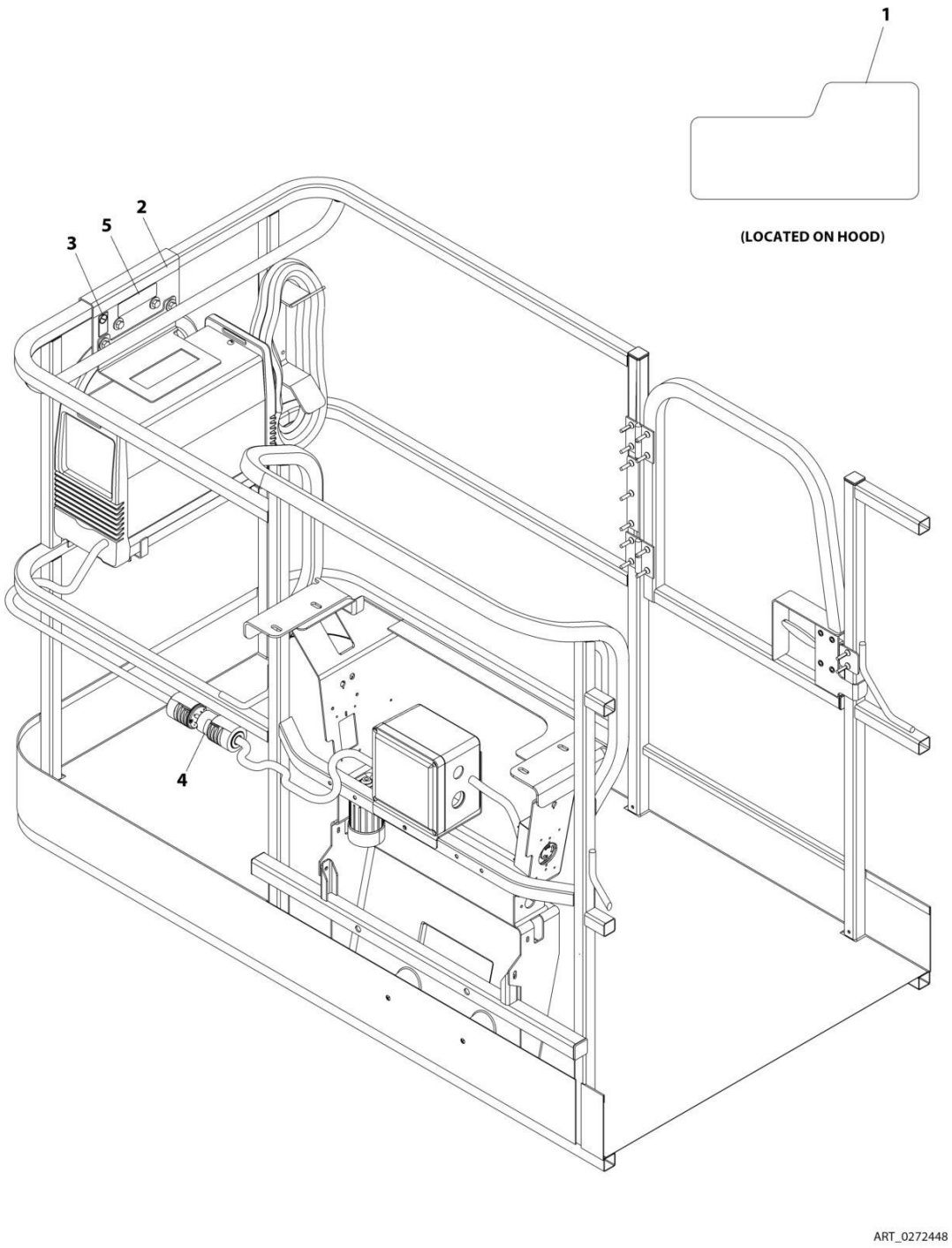


FIGURE 9-15. SKYWELDER DECAL INSTALLATION - 60HZ

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272448	Ref	SKYWELDER DECAL INSTALLATION - 60Hz	B
1	1705355	2	Decal - SkyWelder	
2	1702868	1	Decal - No Hands	
3	1705305	1	Decal - Weld Lead	
4	1705375	1	Decal - 240V - 3 Phase - 60Hz	
5	1001228988	1	Decal - Weight	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 10-1. RECOMMENDED SERVICE PART STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	See Note	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.	
	4360542	1	Breaker, Circuit (2500W/110V Generator)	
	70000126	1	Breaker, Circuit (2500W/220V Generator)	
	70001431	1	Breaker, Circuit (Plasma Cutter)	
	4360070	1	Breaker, Circuit 15Amp (4000W & 7500W Generators)	
	1001181045	1	Breaker 16Amp (Breaker Box Single)	
	7024485	1	Breaker, Circuit 30Amp (7500W Generator)	
	1001159118	1	Breaker, GFCI 30Amp 240VAC (AC Box 240GFCI)	
	1001181046	1	Breaker 30mA/16Amp (Breaker Box with Generator)	
	7024444	1	Cap, Breather (Helgensen Brand)	
	70004862	1	Cap, Breather (Hydac Brand)	
	7012944	1	Coil (Control Valves)	
	7012943	1	Coil (Control Valves)	
	70004653	1	Coil (Main Valve)	
	70004595	1	Coil (Main Valve)	
	80434249	1	Coil (Main Valve)	
	70004660	1	Coil (Main Valve)	
	70004460	1	Coil (Main Valve)	
	70004463	1	Coil (Main Valve)	
	70002386	1	Coil (Boom Valve)	
	1001166538	1	Controller, Drive/Steer	
	1001166539	1	Controller, Lift/Swing	
	4360407	1	Controller, Potentiometer (Console Box)	
	3990010	2	Diode, 6Amp (Ground Control Harness)	
	2120210	12	Element, Filter Pressure (Control Valves)	
	2120149	12	Element, Filter Return (Control Valves)	
		Ref	Engine - D2011	
	70003783	12	Element, Air Cleaner	
	1001202281	12	Element, Fuel/Water Separator	
	7016328	12	Element, Fuel Filter	
	7016331	12	Element, Oil Filter	
	7027795	1	Module, Engine Control (Note: Please Contact JLG Parts Center to Order)	
	3740067	1	Relay	
		Ref	Engine - TD2.2L3 Stage V	
	70005008	12	Element, Air Cleaner	
	8229242	2	Fuse, 5A	
	80983191	2	Fuse, 10A	
	70023592	2	Fuse, 20A (Switched Output)	
	70023593	2	Fuse, 30A (Battery Output)	
	1001117308	1	Relay	
	1001138228	1	Relay, Power Module	
		Ref	Engine - TD2.9L4 49HP	
	91403102	12	Element, Air Cleaner	
	1001225430	12	Filter, Fuel Primary	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225431	12	Filter, Fuel Secondary	
	7016331	12	Filter, Oil	
	8229242	2	Fuse, 5A	
	8093191	2	Fuse, 10A	
	70023592	2	Fuse, 20A (Switched Output)	
	70023593	2	Fuse, 30A (Battery Output)	
	70025210	1	Module, Engine Control (Note: Please Contact JLG Parts Center to Order)	
	1001117308	1	Relay	
	1001138228	1	Relay, Power Module	
		Ref	Engine - TD2.9L4 63HP	
	91403102	12	Element, Air Cleaner	
	70025153	12	Filter, Fuel Primary	
	70025161	12	Filter, Fuel Secondary	
	7016331	12	Filter, Oil	
	8229242	2	Fuse, 5A	
	80983191	2	Fuse, 10A	
	70023592	2	Fuse, 20A (Switched Output)	
	70023593	2	Fuse, 30A (Battery Output)	
	1001117308	1	Relay	
	70005648	1	Relay	
	1001138228	1	Relay, Power Module	
		Ref	Engine - Ford	
	70005008	12	Element, Air Cleaner	
	70006155	12	Filter, Fuel	
	70006213	12	Filter, Oil	
	70006175	2	Fuse, 20A (Starter)	
	70006176	1	Module, ECU (ECU/GCP)	
	3740067	1	Relay	
	70006171	1	Relay (Fuel Pump & Power)	
	70006172	1	Relay (Starter)	
	1001196634	2	Fuse, 2A (Breather Heater)	
	8229249	2	Fuse, 3A (USB Charger & Console Box Harness)	
	2400064	2	Fuse, 5A (2500W & 7500W Generator to Engine Harness)	
	8229242	2	Fuse, 5A (Ground Control Harness)	
	2860030	1	Key, Replacement	
	2940074	1	Latch (Platforms with Gate)	
	1001247468	1	Loadcell (Platform Support)	
	1001142683	1	Module, Control Beacon (Strobe Lights)	
	1001103667	1	Module, Ground Control	
	1001106938	1	Module, Platform	
	3740067	1	Relay (Aux Pump Installation)	
	3740049	1	Relay (Ground Control)	
	3740080	1	Relay (2500W & 7500W Generators)	
	70006553	1	Relay (4000W Generator)	
	1001186431	1	Relay (SkyGuard Bar)	
	1001248962	1	Sensor, Angle (Boom Valves & Limit Switches)	
	1001228225	1	Sensor, Emitter (SkyEye)	
	1001117174	1	Sensor, Footswitch	
	4360436	1	Sensor, Fuel Level	
	4360578	1	Sensor, Limit (Boom Valves & Limit Switches)	
	4360057	1	Sensor Limit (Soft Touch)	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172271	1	Sensor, Limit Roller (Boom Valves & Limit Switches with Tower Stow)	
	1001170847	1	Sensor, Proximity (Boom Valves & Limit Switches)	
	1001182570	1	Sensor, Proximity (Boom Valves & Limit Switches)	
	1001232667	1	Sensor, Proximity (SkyLine)	
	4360517	1	Sensor, Proximity (Rotary Coupling)	
	1001228224	1	Sensor, Receiver (SkyEye)	
	1001137673	1	Sensor, SkyGuard Bar	
	1001225346	1	Switch, Battery Disconnect)	
	4360475	1	Switch, Emergency Stop	
	4360469	1	Switch, Key	
	4360274	1	Switch, Pushbutton Gray (Ground Control)	
	4360387	1	Switch, Pushbutton Yellow (Ground Control, Console Box & Soft Touch)	
	70001432	1	Switch, Rocker (Plasma Cutter)	
	1001155045	1	Switch, Toggle (Ground Control & Console Box)	
	4360336	1	Switch, Toggle (Cribbing & Generators)	
	4360331	1	Switch, Toggle (Console & Footswitch, Steer Switch Installation)	
	1001159256	1	Switch, Toggle (Console Box Assembly)	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

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.	
	1001204884	Ref	Air Intake Shut-off Valve Installation (Deutz DT2.9L4 - 63HP Engines) (ANSI & CSA Specs)	
	1001247570	Ref	Air Intake Shut-off Valve Installation (Deutz DT2.9L4 - 49HP Engines) (ANSI & CSA Specs)	
	1001253151	Ref	Airline to Platform Installation	
	1001093438	Ref	Airline to Platform Installation (Artic Package)	
	1001254024	Ref	Bellows Installation - Boom	
	1001251379	Ref	Bellows Installation - Chassis	
	1001253466	Ref	Boom Wiper Installation	
	1001172045	Ref	Cable/Ladder Carrier Installation	
		Ref	ClearSky (Telematics) Add-on Kits (Dealer Installed)	
	1001242409	Ref	ClearSky (Telematics) Access Control Add-on Kit (Dealer Installed) (ANSI, ANSI Export and CSA Specs)	
	1001265378	Ref	ClearSky (Telematics) Add-on Kit (Dealer Installed) (ANSI, ANSI Export and CSA Specs)	
	1001246142	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (Australian Specs)	
	1001243184	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (CE & UK CA Specs)	
	1001276923	Ref	ClearSky (Telematics) Added-on Kit - 3 Wire (Dealer Installed)	
		Ref	ClearSky Telematics Installation (Factory Installed)	
	1001227472	Ref	ClearSky Telematics Installation - Canbus (Factory Installed) (All Specs except Russian & Chinese Specs)	
	1001228946	Ref	ClearSky Telematics Installation - Canbus (Factory Installed) (ANSI Export, CE & UK CA Specs)	
	1001246522	Ref	ClearSky Telematics Installation - Canbus (Factory Installed) (Australian Specs)	
	1001246523	Ref	ClearSky Telematics Installation - Canbus (Factory Installed) (China Specs)	
	1001276610	Ref	ClearSky Telematics Installation - 3-Wire Connection (Factory Installed)	
	1001289850	Ref	ClearSky (Telematics) CS550 Installation	
	1001293369	Ref	Hood Plug Installation	
		Ref	Cold Weather Packages:	
	1001152340	Ref	Cold Weather Package - Deutz D2011 Engines	
	0274883	Ref	Cold Weather Package with Transformer- Deutz D2011 Engines	
	1001151900	Ref	Cold Weather Package - Deutz TD2.9L4 Engines	
	1001256385	Ref	Cold Weather Package - Deutz TD2.2L3 Engines (Stage V)	
	1001217832	Ref	Cold Weather Package - Ford Engines	
	1001276007	Ref	Controller Service Kit - Drive/Steer	
	1001276008	Ref	Controller Service Kit - Lift/Swing	
	1001157013	Ref	Counterweight Installation (Required for Soft Touch Systems)	
	0257195	Ref	Decal - Government Warranty	
		Ref	Decal Kit Options:	
	2902307	Ref	Decal Kit - Country Spec (ANSI and ANSI Export)	
	2902329	Ref	Decal Kit - Country Spec (Australian, CE & UK CA)	
	2902312	Ref	Decal Kit - Country Spec (Brazil)	
	2902322	Ref	Decal Kit - Country Spec (CSA)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001116844	Ref	Decal Kit - Country Spec (Chinese - Simplified)	
	2902309	Ref	Decal Kit - Country Spec (Chinese - Traditional)	
	2902308	Ref	Decal Kit - Country Spec (Japanese)	
	2902310	Ref	Decal Kit - Country Spec (Korean)	
	2902311	Ref	Decal Kit - Country Spec (Latin America)	
	2902303	Ref	Decal Kit - Master	
	1001271643	Ref	Decal Kit – Machine	
	1001271644	Ref	Decal Kit – Platform	
	1001271645	Ref	Decal Kit – Platform Console Box	
	1001233047	Ref	Deutz Breather Heater Kit	
	4932990	Ref	Drive Cutout Kit (Above Elevation Beyond Transport)	
	4932993	Ref	Drive Cutout Kit (Above Elevation Tilt) (All Specs except CSA, CE & UK CA)	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Amp/Tyco Electrical Connector Kit	
	1001148903	Ref	Deutsch DT Electrical Connector Kit	
	1001148904	Ref	Deutsch HD Electrical Connector Kit	
	1001148905	Ref	Packard Electrical Connector Kit	
	1001148906	Ref	Various Electrical Connectors Kit	
	1001218022	Ref	Engine Block Heater Installations (Ford Engines Only)	
	1001237883	Ref	Fall Arrest (Bolt-on) Add-on Kit (6ft/1.82m Platform (ANSI, ANSI Export, CHINA, CSA & Japanese Specs Only) (Fits Platform p/ns 1001186384 & 1001144024)	
	1001237882	Ref	Fall Arrest (Bolt-on) Add-on Kit (8ft/2.4m Platform (ANSI, ANSI Export, CHINA, CSA & Japanese Specs Only) (Fits Platform p/ns 1001186383 & 1001144023)	
	1001269629	Ref	Fall Arrest (Bolt-On) 30x60” Platform	
	1001269630	Ref	Fall Arrest (Bolt-On) 30x48” Platform	
	1001269631	Ref	Fall Arrest (Bolt-On) 30x72” Platform	
		Ref	Fan Cover/Guard Options:	
	1001182599	Ref	Fan Guard Installation (Deutz D2011 Engines)	
	1001258140	Ref	Fan Guard Installation (Deutz TD2.3L3 Stage V Engines)	
	1001177694	Ref	Fan Guard Installation (Deutz TD2.9L4 Engines)	
	1001093389	Ref	Fan Cover Installation (Ford DF 2.5L Engines)	
		Ref	Filter Kits:	
	1001166960	Ref	Deutz D2011 Engine	
	1001181148	Ref	Deutz TD2.9L4 Engine	
	1001114042	Ref	Ford DF2.5L Engine	
	1001290375	Ref	QUICKFIT OIL DRAIN (FORD ENGINES)	
	1001139099	Ref	Fire Extinguisher Installation	
	1001117294	Ref	Footswitch Shield (Arctic Package)	
	1001265676	Ref	Ford 42 Way Connector Kit	
	1001202749	Ref	Fuel Cap Cover Installation (Black) (All Machines) (Note: Lock p/n 1001102157 Must be purchased separately)	
	1001191395	Ref	Fuel Cap Cover Installation (Green) (Diesel Machines) (Note: Lock p/n 1001102157 Must be purchased separately)	
	1001247338	Ref	Fuel Cap Cover Installation (Red) (Gasoline Machines) (Note: Lock p/n 1001102157 Must be purchased separately)	
		Ref	Hose Kits:	
	1001209629	Ref	Hose Kit - Platform Valve	
	1001239617	Ref	Hose Kit - Power Track Upper	
	2910100	Ref	Hose/Cable Chafe Protection Kit	
	1001094475	Ref	Hourmeter for Generator Installation	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229940	Ref	Hydraulic Tank Locker Installation	
	1001268736	Ref	Jib Link Kit	
		Ref	Light Installations:	
	0274200	Ref	Lights Installation - Chassis Lights	
	1001176296	Ref	Lights Installation - Headlights/Tailights	
	1001120466	1	Lights Installation - Platform Worklights	
	1001120467	1	Lights Installation - Platform Flood Lights	
	1001243597	Ref	Lights Installation - Portable Work Lights	
	1001236951	Ref	Low Temperature Cut-out Switch Installation (Russian Specs)	
	1001204296	Ref	Oil Cooler Replacement Kit (Deutz TD2.9L4 Engine Only) (RCP to Ymer Cooler)	
	1001272166	Ref	Pipe Racks Add-on Kit (Dealer Installed)	
	1580013	Ref	Platform Corner Storage Tray	
	1001195304	Ref	Platform Console Cover Installation (Clear Polycarbonate)	
	1001266290	Ref	Platform Console Cover Installation (Steel) (All Specs except Australian & Chinese Specs)	
	1001125230	Ref	Platform Console Cover Installation (Steel) (Chinese Specs)	
	1001125229	Ref	Platform Console Cover Installation (Steel) (Korean Specs)	
	1001270482	Ref	Platform Console Cover Kit (Dealer Installed)	
		Ref	Platform Entry Kit:	
	1001142504	Ref	Kit, Replace Swing Gate with Drop Bar	
	1001142505	Ref	Kit, Replace Drop Bar with Swing Gate	
	1001274833	Ref	Platform Floormat Add-on Kit (30x48 Platform) (Dealer Installed)	
	1001274832	Ref	Platform Floormat Add-on Kit (30x60 Platform) (Dealer Installed)	
	1001274830	Ref	Platform Floormat Add-on Kit (36x72 Platform) (Dealer Installed)	
	1001274829	Ref	Platform Floormat Add-on Kit (36x96 Platform) (Dealer Installed)	
		Ref	Platform Mesh to Top Rail Add-on Kits:	
	1001214552	Ref	30in x 4ft (76cm x 1.22m) with Gate	
	1001214559	Ref	30in x 5ft (76cm x 1.52m) with Gate	
	1001214561	Ref	36in x 6ft (91.5cm x 1.83m) with Gate	
	1001214562	Ref	36in x 8ft (91.5cm x 2.44m) with Gate	
		Ref	Platform Mesh to Top Rail Installations	
	1001272182	Ref	30in x 4ft (76cm x 1.22m)	
	1001271888	Ref	30in x 5ft (76cm x 1.52m)	
	1001271642	Ref	36in x 6ft (91.5cm x 1.83m)	
	1001269187	Ref	36in x 8ft (91.5cm x 2.44m)	
		Ref	Platform Mesh to Mid Rail Add-on Kits:	
	1001214478	Ref	30in x 4ft (76cm x 1.22m) with Gate	
	1001214515	Ref	30in x 5ft (76cm x 1.52m) with Gate	
	1001214540	Ref	36in x 6ft (91.5cm x 1.83m) with Gate	
	1001214548	Ref	36in x 8ft (91.5cm x 2.44m) with Gate	
		Ref	Platform Mesh to Mid Rail Installation	
	1001272274	Ref	30in x 4ft (76cm x 1.22m)	
	1001272178	Ref	30in x 5ft (76cm x 1.52m)	
	1001271760	Ref	36in x 6ft (91.5cm x 1.83m)	
	1001269389	Ref	36in x 8ft (91.5cm x 2.44m)	
		Ref	Platform Mesh to Top Rail (Plastic)	
	1001266807	Ref	30in x 4ft (76cm x 1.22m)	
	1001266801	Ref	30in x 5ft (76cm x 1.52m)	
	1001266489	Ref	36in x 6ft (91.5cm x 1.83m)	
	1001266056	Ref	36in x 8ft (91.5cm x 2.44m)	
		Ref	Platform Mesh to Mid Rail (Plastic)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266969	Ref	30in x 4ft (76cm x 1.22m)	
	1001266799	Ref	30in x 5ft (76cm x 1.52m)	
	1001266284	Ref	36in x 6ft (91.5cm x 1.83m)	
	1001266098	Ref	36in x 8ft (91.5cm x 2.44m)	
		Ref	Platform, Top Rail Extension	
	0272733	Ref	3ft x 6ft Platforms	
	0272725	Ref	3ft x 8ft Platforms	
	1001209059	Ref	Platform Work Surface Installation	
	1001171018	Ref	RCD Box Installation (Brazil Spec)	
	1001099572	Ref	Security Lock (Programmable) Installation	
	1001190884	Ref	Service Kits and Tools	U
	1001247073	Ref	SkyEye Retrofit Kit	
	1001241547	Ref	SkyEye Housing Kit (LH)	
	1001241548	Ref	SkyEye Housing Kit (RH)	
		Ref	SkyGuard Component Options:	
	1001206477	Ref	SkyGuard Complete Add-on Kit (Blue Beacon)	
	1001210026	Ref	SkyGuard Complete Add-on Kit (Red Beacon)	
	1001249052	Ref	SkyGuard Retrofit Kit	
	1001137672	Ref	SkyGuard Platform Sensor Kit	
	1001250595	Ref	6 Pin SkyGuard Retrofit Kit	
	1001262016	Ref	SkyLine Kit	
	1001250465	Ref	SkySense/Enhanced Detection System (EDS) Level 1 (2 Bar) Installation (Factory Installed)	
	1001250466	Ref	SkySense/Enhanced Detection System (EDS) Level 2 (3 Bar) Installation (Factory Installed)	
	1001252033	Ref	SkySense/Enhanced Detection System (EDS) Level 1 (2-Bar) Add-on Kit (Dealer Installed)	
	1001252034	Ref	SkySense/Enhanced Detection System (EDS) Level 2 (3-Bar) Add-on Kit (Dealer Installed)	
	1001253618	Ref	SkySense Module Box Assembly Kit (Service Kit for P/N 1001246867)	
	1001253619	Ref	SkySense Module Box Assembly Kit (Service Kit for P/N 1001246860)	
	1001282461	1	SkySense Padding Installation - For 30 x 48 Platforms equiped with SkySense	
	1001275644	1	SkySense Padding Installation - For 30 x 60 Platforms equiped with SkySense	
	1001275642	1	SkySense Padding Installation - For 36 x 72 Platforms equiped with SkySense	
	1001269655	1	SkySense Padding Installation - For 36 x 96 Platforms equiped with SkySense	
	1001263395	Ref	SkyWelder Kit (Dealer Installed)	
	1001121592	Ref	Soft-Touch Add-on Kit (36x72 Platform) (Dealer Installed)	
	1001121593	Ref	Soft-Touch Add-on Kit (36x96 Platform) (Dealer Installed)	
		Ref	Strobe Light Installations (Amber)	
		Ref	Tools for Service	
	1001249695	Ref	Analyzer and Cable Kit	
	1001249941	Ref	Analyzer and Cable Kit (Battery Powered)	
	1001137005	Ref	Software Cable Kit	
	7002840	Ref	Antirotation Pin Removal Tool	
	8896941	Ref	Wire Stripper	
	7002821	Ref	Wire Crimper (To install wire ends to wires)	
	7002823	Ref	Pin/Socket Extractor - Universal (To Remove Pins/Sockets from Connectors)	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4460467	Ref	Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460510	Ref	Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7002822	Ref	Screwdriver, Potentiometer (To Adjust Drive Controllers)	
	7016654	Ref	Screwdriver, Magnetic	
	7004275	Ref	Seal Installation Tool - 1in	
	7004276	Ref	Seal Installation Tool - 1 1/2in	
	7002826	Ref	Seal Installation Tool - 2in	
	7016655	Ref	Wire Rope Sheave Gauge	
	7016652	Ref	Huck Bolt Fastener (For Small Huck Bolts Only)	
	2900838	Ref	U.S. Standards Fastener (Hardware) Kit	
	7014676	Ref	U.S. Standards Tool Kit	
	1001274249	Ref	USB Charger Port Add-on Kit (Dealer Installed)	
	1001228577	Ref	Telematics Canbus Gateway (Dealer Installed)	
	1001284510	Ref	Telematics Canbus Gateway Plus (Deal Installed)	
	1001258951	Ref	Tower Stow Indicator Add-on Kit (Dealer Installed)	
	1001238825	Ref	Turntable Bearing Kit	
	1001262959	Ref	Voltage Regulator Re-Location Kit (Used with ClearSky)	
	2910167	Ref	Wear Pad Kit	

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