Illustrated Parts Manual

Models
800S HC3
860SJ HC3

PVC 2207

P/N
31220671

November 15, 2022 - Rev B

ANSI

CE

UK CA

AS/NZS

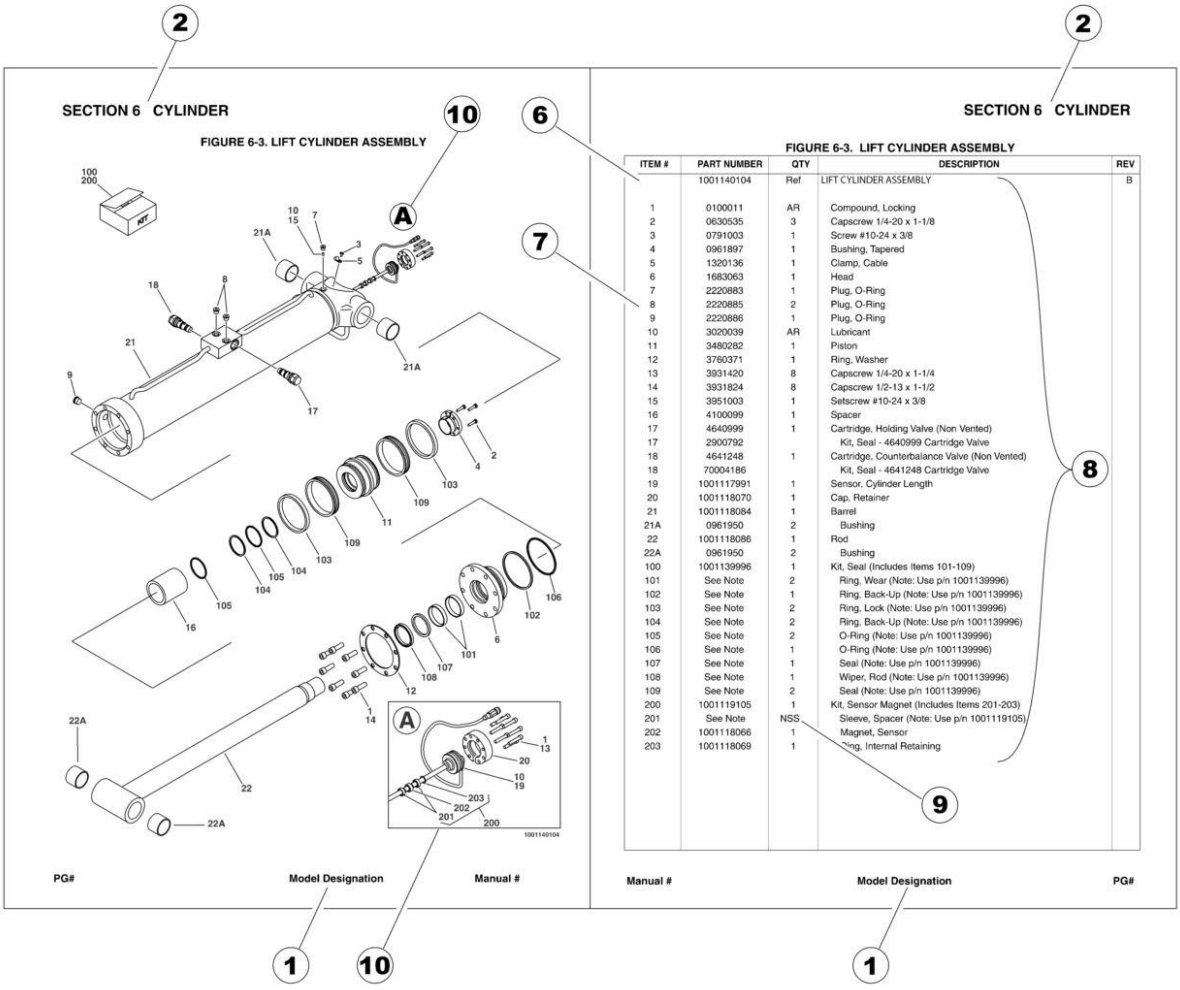
An Oshkosh Corporation Company

REVISION LOG

July 11, 2022 - A - Original Issue of Manual (Edited to B/M 1001256860 Revision K)

November 15, 2022 - B - Revised Manual (Edited to B/M 1001256860 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 - FIXED (WITHOUT TOW PACKAGE)

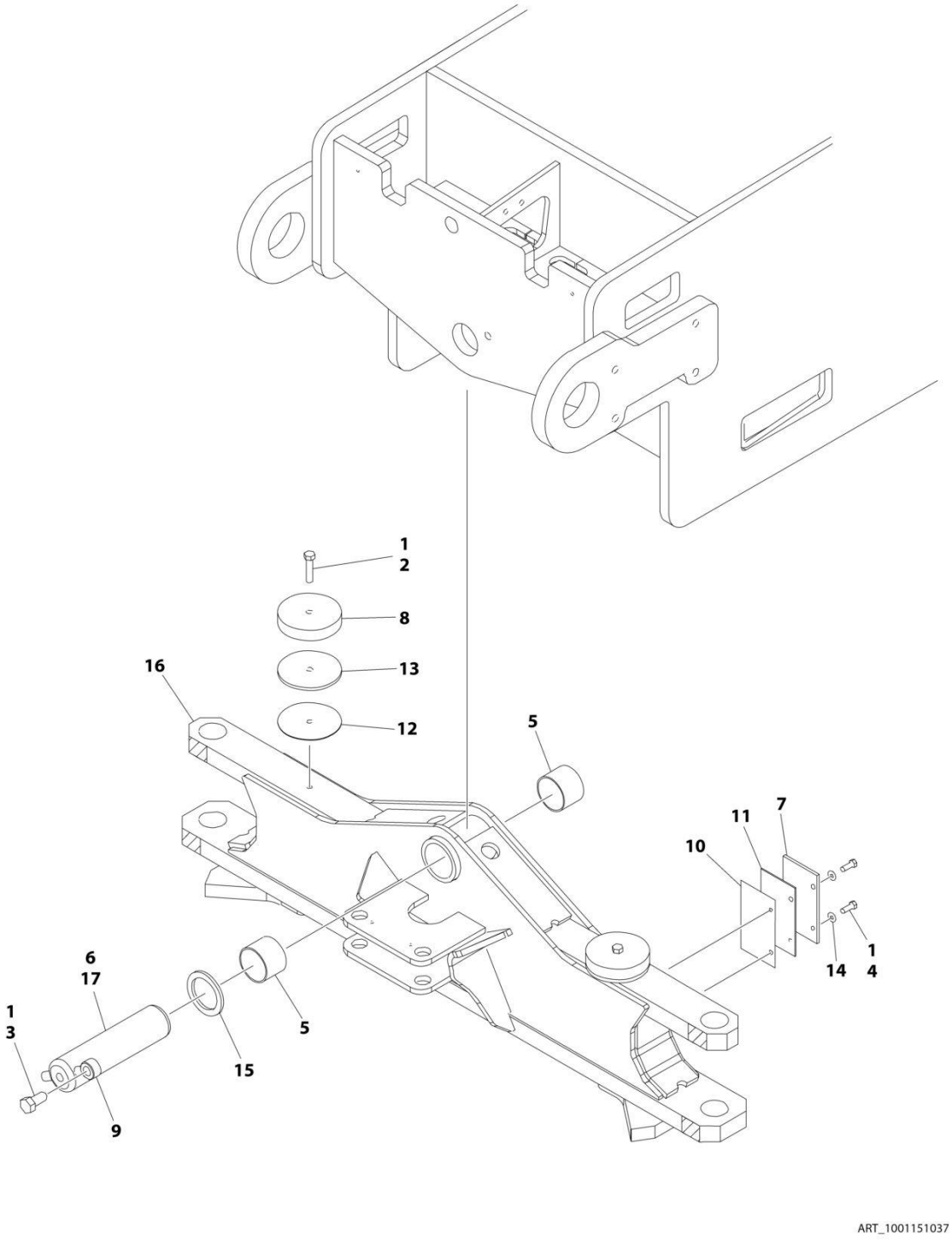


FIGURE 1-1. AXLE INSTALLATION - FIXED (WITHOUT TOW PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151037	Ref	FIXED AXLE INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0641818	2	Bolt 1/2 x 2-1/4	
3	0642212	1	Bolt 3/4 x 1-1/2	
4	0681608	4	Bolt 3/8 x 1 Grade 8	
5	0962102	2	Bushing	
6	3020039	AR	Lubricant	
7	3538047	2	Shim, Wear	
8	3539877	2	Plate, Stop	
9	3841287	1	Keeper, Pin	
10	4070878	AR	Shim 1/16	
11	4070879	AR	Shim 1/8	
12	4070944	AR	Shim 1/16	
13	4070945	AR	Shim 1/4	
14	4711600	4	Washer 3/8	
15	4740472	1	Washer, Special	
16	1001152719	1	Axle	
17	1001156710	1	Pin	

FIGURE 1-2. AXLE INSTALLATION - OSCILLATING (WITHOUT TOW PACKAGE) (MACHINES WITH SN STARTING WITH 03)

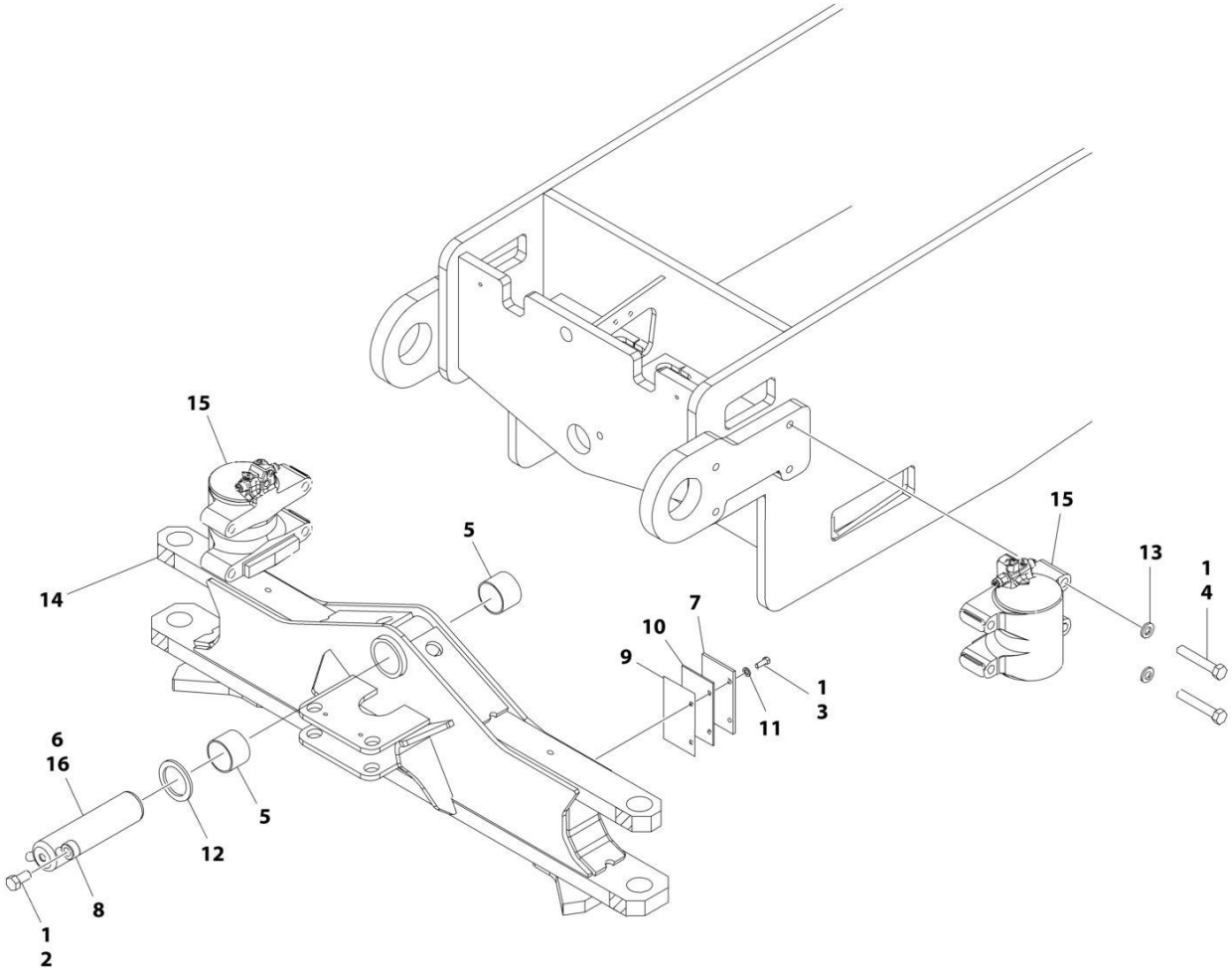


FIGURE 1-2. AXLE INSTALLATION - OSCILLATING (WITHOUT TOW PACKAGE) (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154584	Ref	AXLE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0642212	1	Bolt 3/4 x 1-1/2	
3	0681608	4	Bolt 3/8 x 1 Grade 8	
4	0682236	8	Bolt 3/4 x 4-1/2 Grade 8	
5	0962102	2	Bushing	
6	3020039	AR	Lubricant	
7	3538047	2	Shim .25	
8	3841287	1	Keeper, Pin	
9	4070878	AR	Shim 16 Gauge	
10	4070879	AR	Shim 11 Gauge	
11	4711600	4	Washer 3/8	
12	4740472	1	Washer	
13	4892200	8	Washer 3/4	
14	1001152719	1	Axle	
15	1001204560	2	Axle Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
16	1001156710	1	Pin	

FIGURE 1-3. AXLE INSTALLATION - OSCILLATING (WITHOUT TOW PACKAGE) (MACHINES WITH SN STARTING WITH B3)

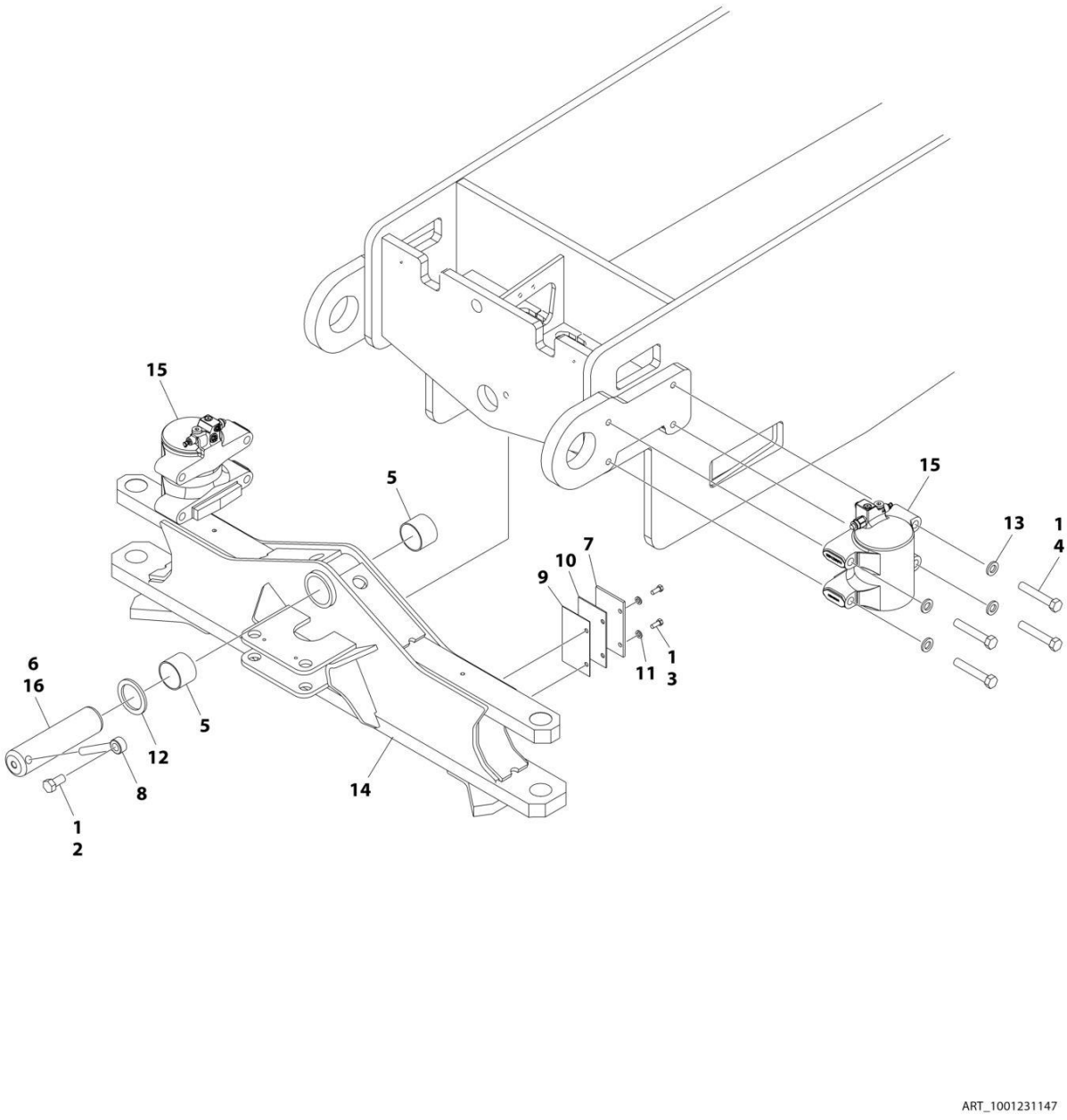


FIGURE 1-3. AXLE INSTALLATION - OSCILLATING (WITHOUT TOW PACKAGE) (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231147	Ref	OSCILLATING AXLE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0642212	1	Bolt 3/4 x 1-1/2	
3	0681608	4	Bolt 3/8 x1 Grade 8	
4	0682236	8	Bolt 3/4 x 4-1/2 Grade 8	
5	0962102	2	Bushing	
6	3020039	AR	Lubricant	
7	3538047	2	Shim, Axle Wear	
8	3841287	1	Shaft, Keeper 3/8 x 6	
9	4070878	2	Shim, Axle Wear	
10	4070879	2	Shim, Axle Wear	
11	4711600	4	Washer 3/8	
12	4740472	1	Washer, Special	
13	4892200	8	Flatwasher 3/4in Hardened	
14	1001152719	1	Axle	
15	1001230374	2	Axle Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
16	1001156710	1	Pin	

FIGURE 1-4. AXLE INSTALLATION - OSCILLATING (WITH TOW PACKAGE) (MACHINES WITH SN STARTING WITH 03)

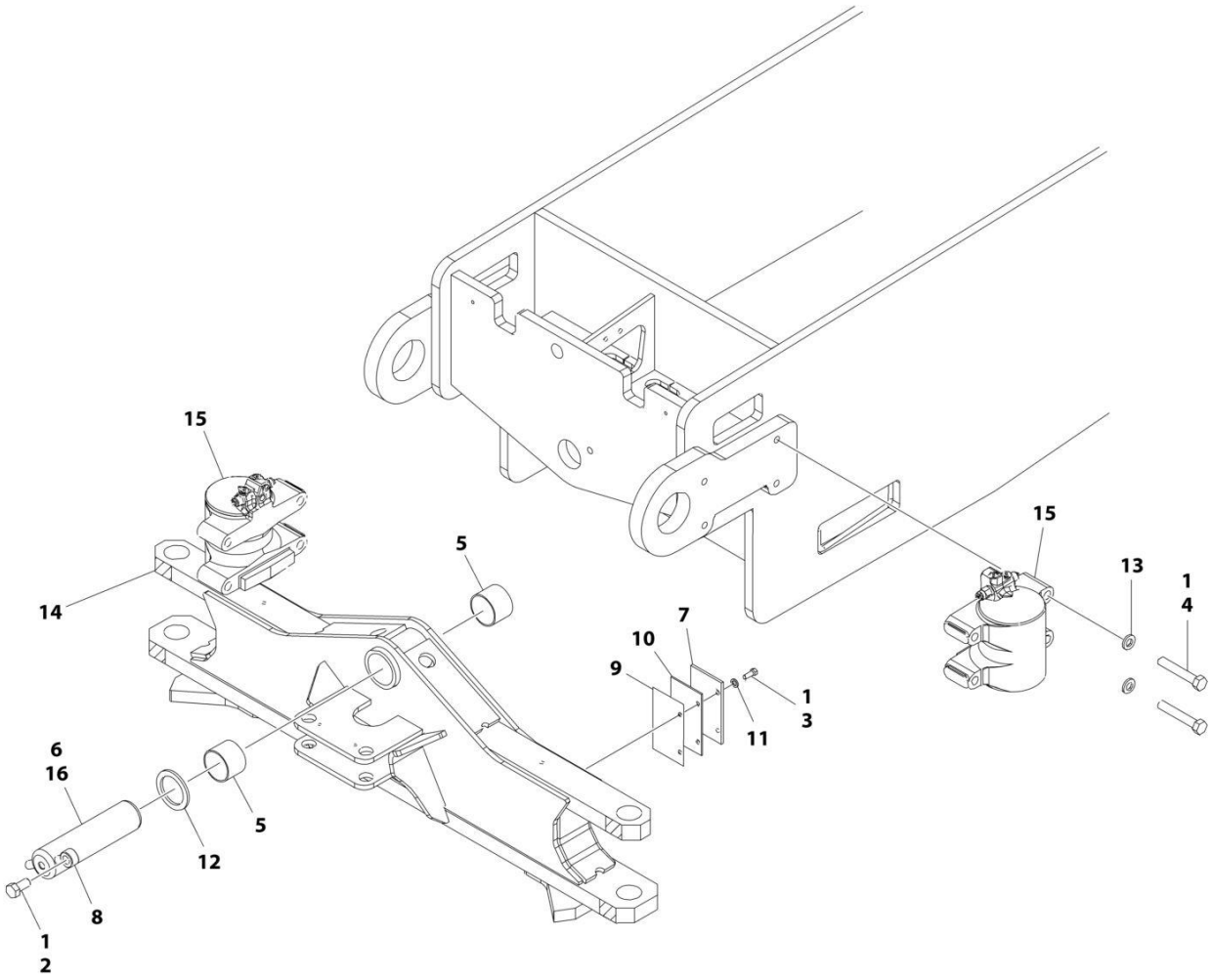


FIGURE 1-4. AXLE INSTALLATION - OSCILLATING (WITH TOW PACKAGE) (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155194	Ref	AXLE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0642212	1	Bolt 3/4 x 1-1/2	
3	0681608	4	Bolt 3/8 x 1 Grade 8	
4	0682236	8	Bolt 3/4 x 4-1/2 Grade 8	
5	0962102	2	Bushing	
6	3020039	AR	Lubricant	
7	3538047	2	Shim .25	
8	3841287	1	Keeper, Pin	
9	4070878	AR	Shim 16 Gauge	
10	4070879	AR	Shim 11 Gauge	
11	4711600	4	Washer 3/8	
12	4740472	1	Washer	
13	4892200	8	Washer 3/4	
14	1001154875	1	Axle	
15	1001204560	2	Axle Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
16	1001156710	1	Pin	

FIGURE 1-5. AXLE INSTALLATION - OSCILLATING (WITH TOW PACKAGE) (MACHINES WITH SN STARTING WITH B3)

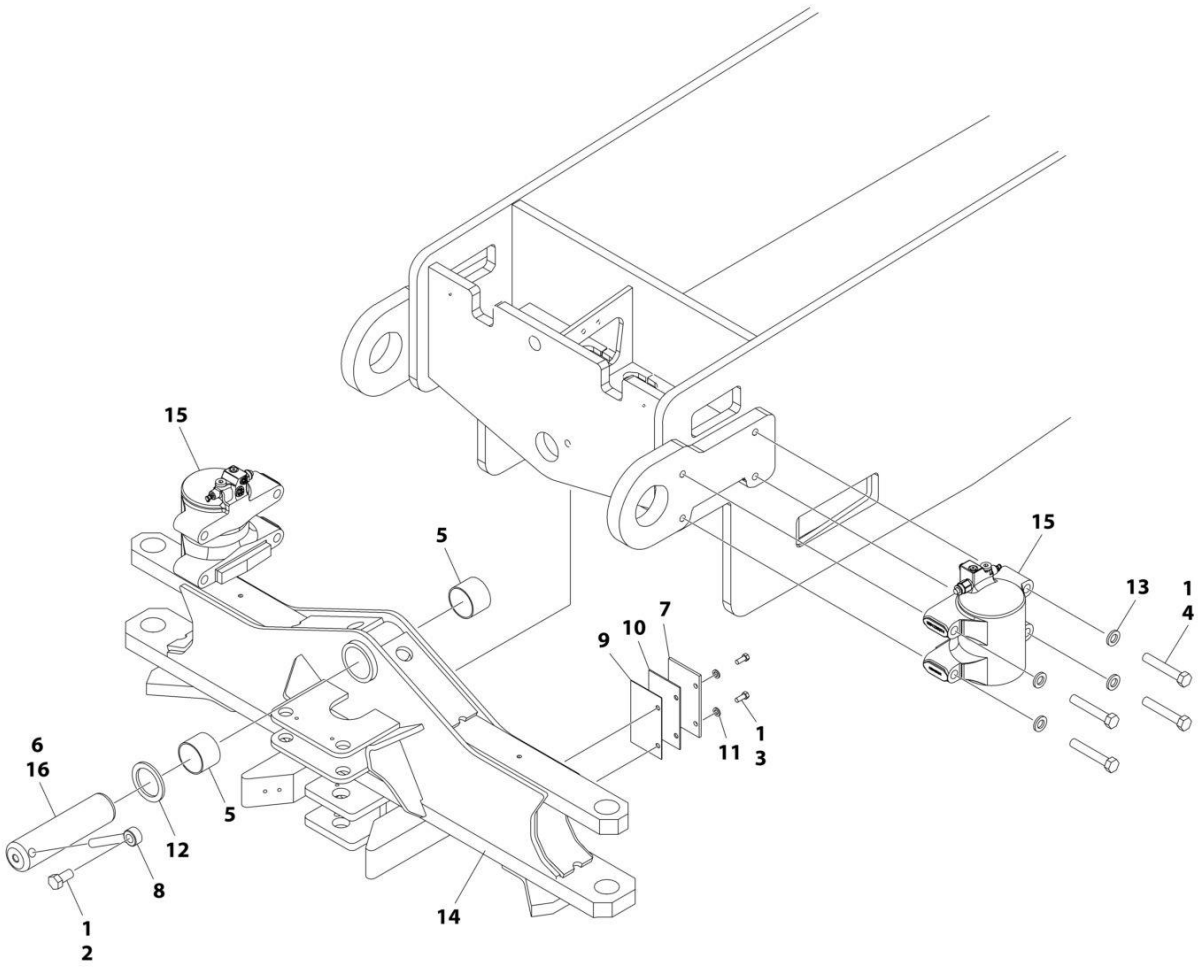


FIGURE 1-5. AXLE INSTALLATION - OSCILLATING (WITH TOW PACKAGE) (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232540	Ref	OSCILLATING AXLE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0642212	1	Bolt 3/4 x 1-1/2	
3	0681608	4	Bolt 3/8 x1 Grade 8	
4	0682236	8	Bolt 3/4 x 4-1/2 Grade 8	
5	0962102	2	Bushing	
6	3020039	AR	Lubricant	
7	3538047	2	Shim, Axle Wear	
8	3841287	1	Shaft, Keeper 3/8 x 6	
9	4070878	2	Shim, Axle Wear	
10	4070879	2	Shim, Axle Wear	
11	4711600	4	Washer 3/8	
12	4740472	1	Washer, Special	
13	4892200	8	Washer 3/4 Hardened	
14	1001154875	1	Axle	
15	1001230374	2	Axle Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
16	1001156710	1	Pin	

FIGURE 1-6. STEERING INSTALLATION - WITHOUT TOW PACKAGE (MACHINES WITH SN STARTING WITH 03)

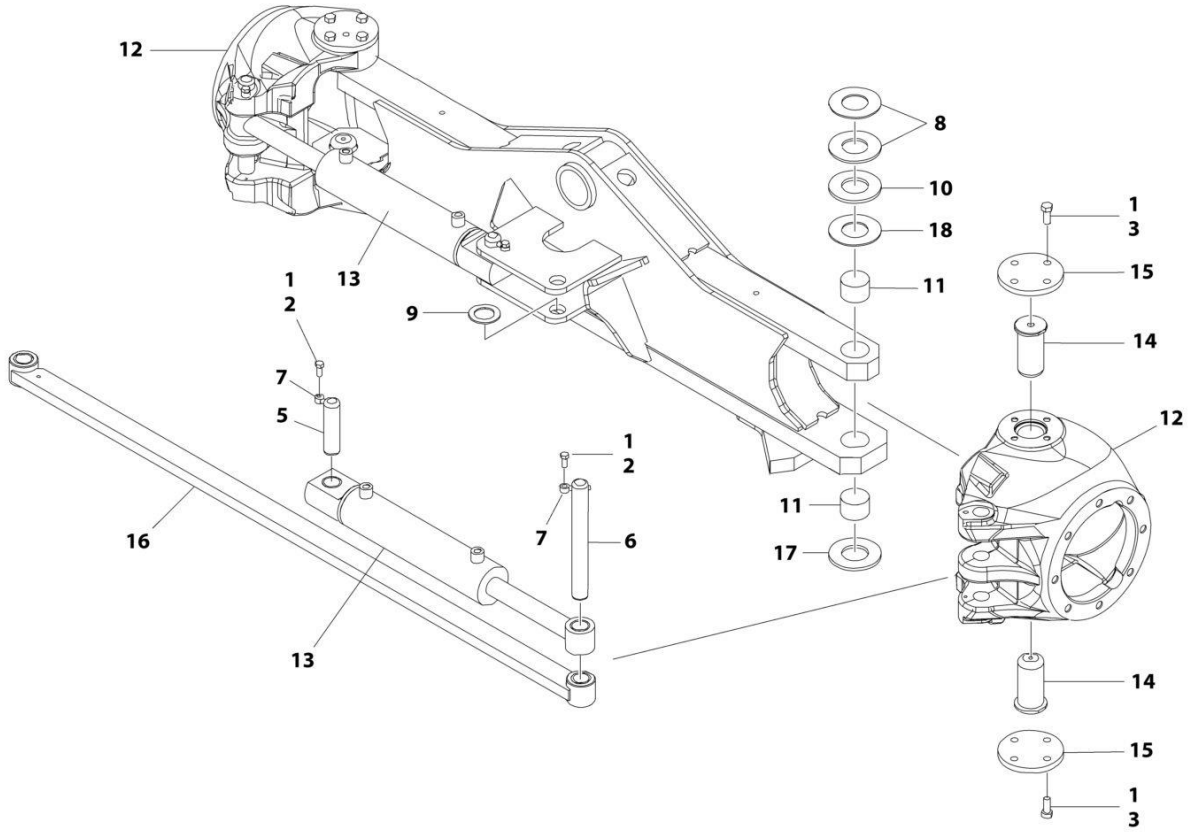


FIGURE 1-6. STEERING INSTALLATION - WITHOUT TOW PACKAGE (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151034	Ref	STEER INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641810	16	Bolt 1/2 x 1-1/4	
5	3422417	2	Pin	
6	3422790	2	Pin	
7	3841520	4	Keeper, Pin	
8	4740256	AR	Washer, Thrust	
9	4740473	2	Washer	
10	1001103810	AR	Washer, Thrust	
11	1001165657	4	Bearing	
12	1001150372	2	Spindle	
13	1001150539	2	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
14	1001161355	4	Kingpin	
15	1001150937	4	Plate	
16	1001151980	1	Tie-Rod	
17	1001161399	2	Washer, Thrust	
18	4740463	AR	Washer, Thrust	

FIGURE 1-7. STEERING INSTALLATION - WITHOUT TOW PACKAGE (MACHINES WITH SN STARTING WITH B3)

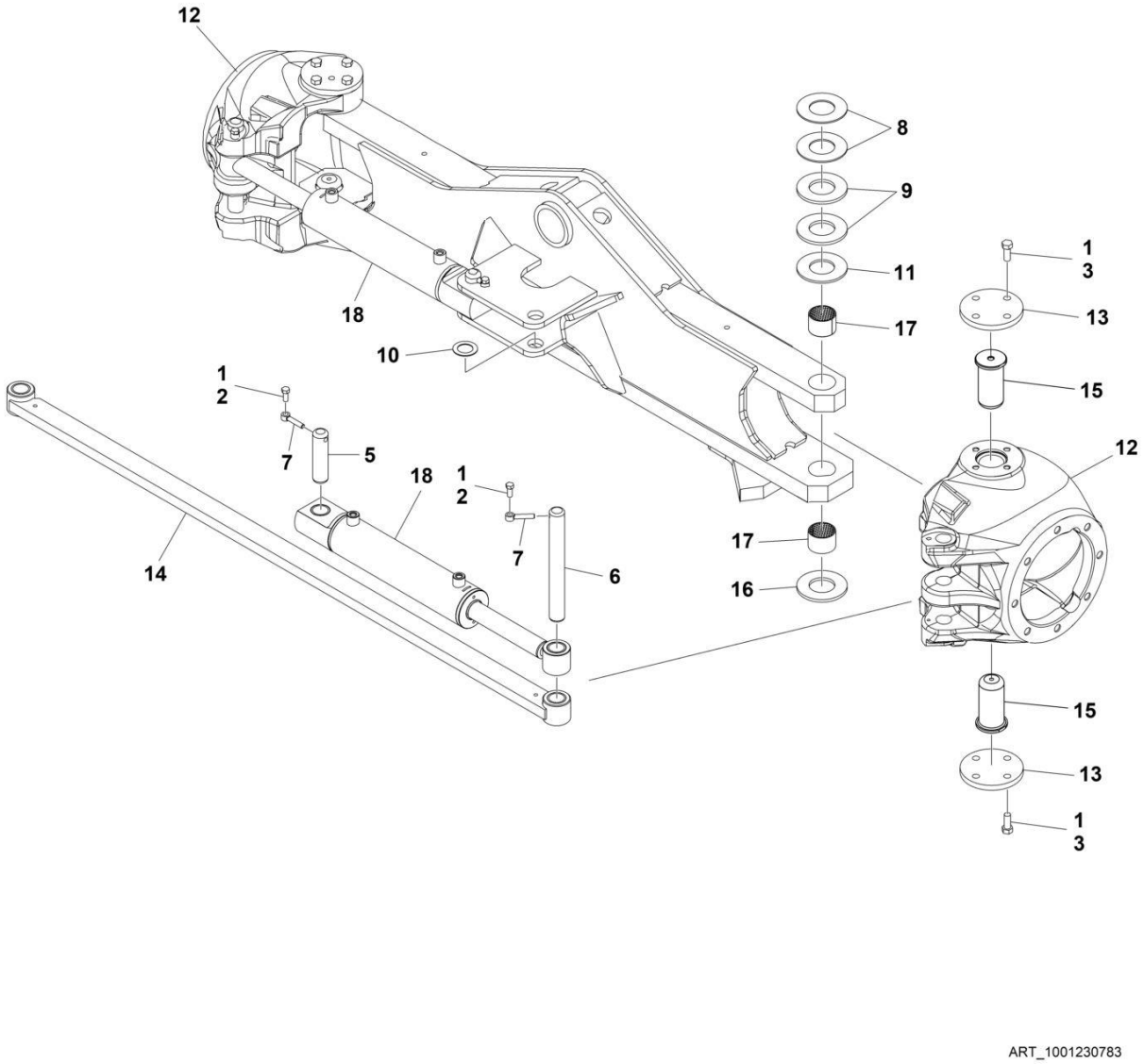
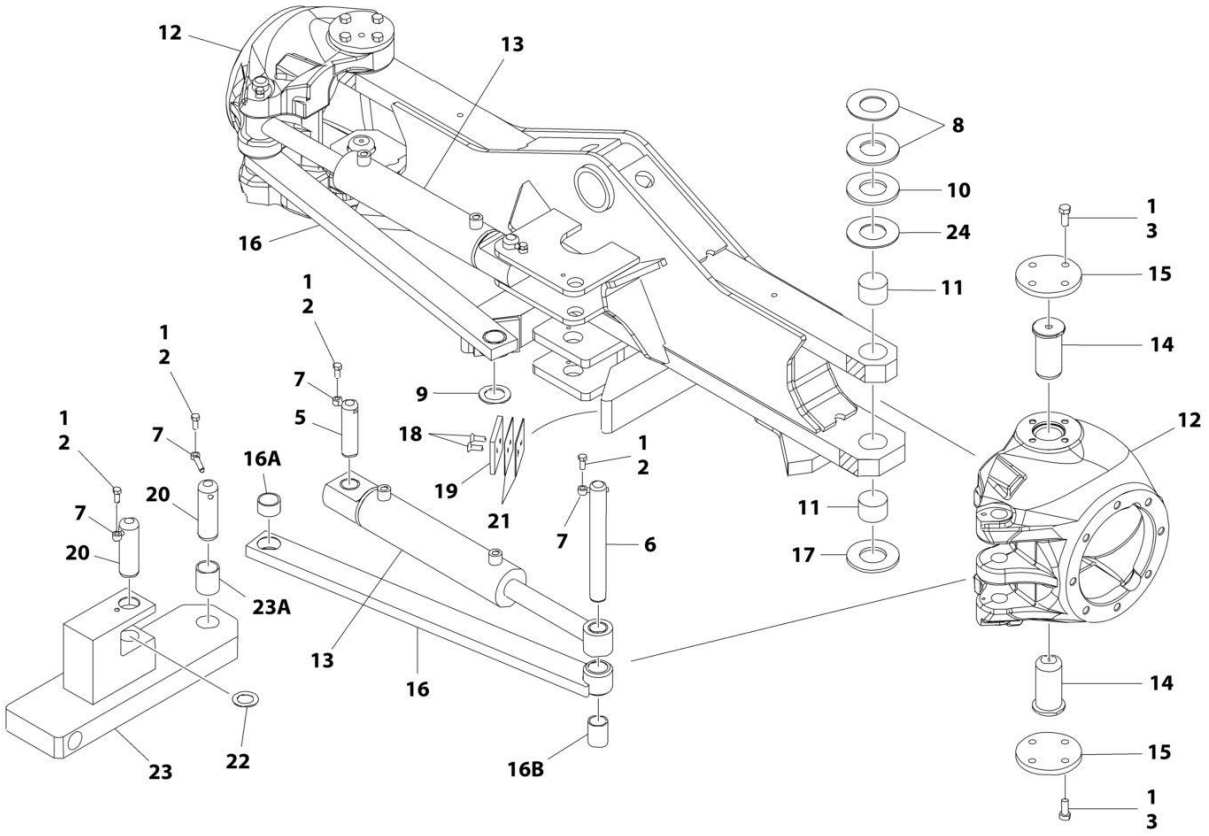


FIGURE 1-7. STEERING INSTALLATION - WITHOUT TOW PACKAGE (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230783	Ref	STEER INSTALLATIONS	C
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641810	16	Bolt 1/2 x 1-1/4	
4	3020029	AR	Lubricant	
5	3422417	2	Pin	
6	3422790	2	Pin	
7	3841520	4	Keeper, Pin	
8	4740256	4	Thrustwasher	
9	4740463	4	Thrustwasher	
10	4740473	2	Washer, Special	
11	1001103810	2	Thrustwasher	
12	1001150372	2	Spindle	
13	1001150937	4	Plate	
14	1001151980	1	Tie-Rod	
15	1001161355	4	Kingpin	
16	1001161399	2	Thrustwasher	
17	1001165657	4	Bearing	
18	1001230375	2	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	

FIGURE 1-8. STEERING INSTALLATION - WITH TOW PACKAGE (MACHINES WITH SN STARTING WITH 03)

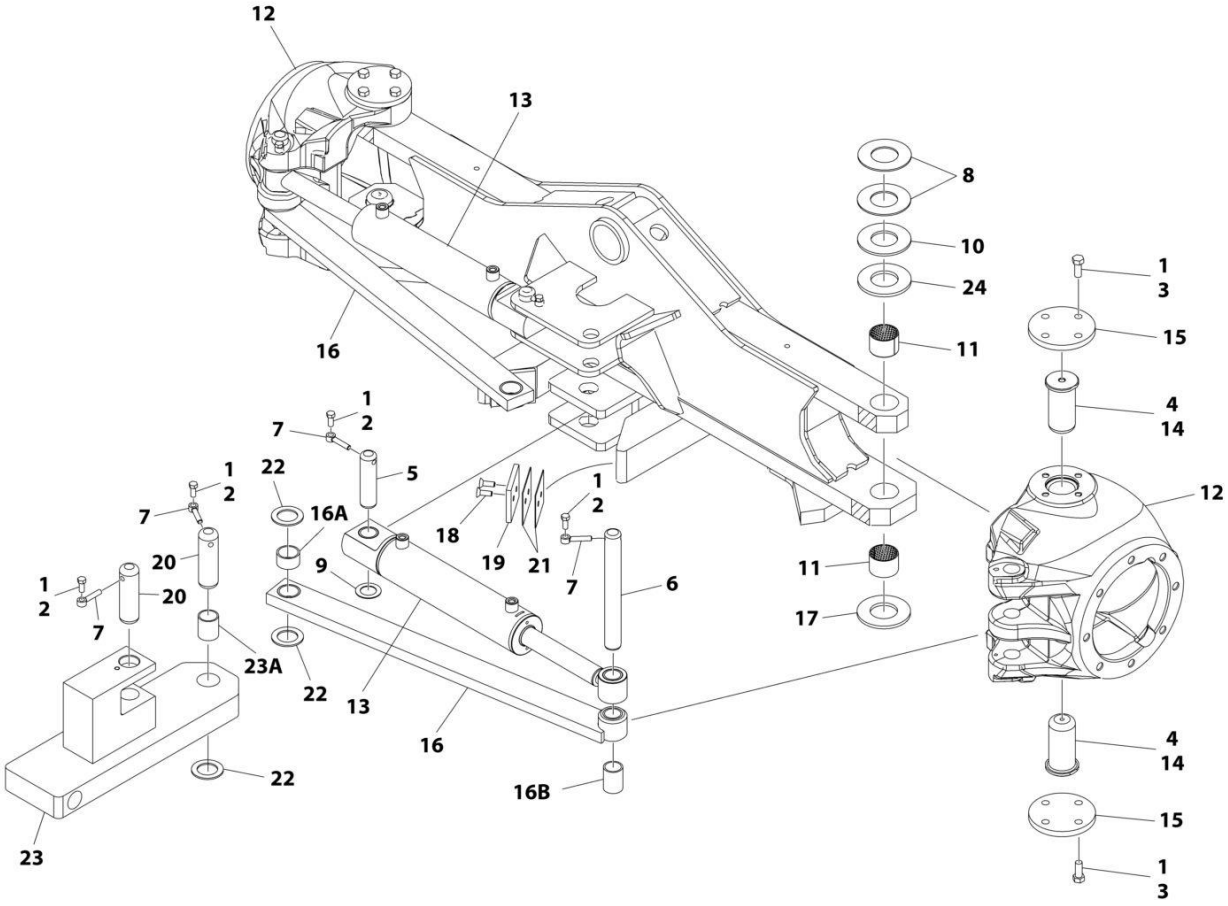


ART_1001155192

FIGURE 1-8. STEERING INSTALLATION - WITH TOW PACKAGE (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155192	Ref	STEER INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0641607	6	Bolt 3/8 x 7/8	
3	0641810	16	Bolt 1/2 x 1-1/4	
5	3422417	2	Pin	
6	3422790	2	Pin	
7	3841520	6	Keeper, Pin	
8	4740256	AR	Washer, Thrust	
9	4740473	2	Washer	
10	1001103810	AR	Washer, Thrust	
11	1001165657	4	Bearing	
12	1001150372	2	Spindle	
13	1001150539	2	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
14	1001161355	4	Kingpin	
15	1001150937	4	Plate	
16	1001154931	2	Tie-Rod	
16A	0962181	1	Bushing	
16B	0962152	1	Bushing	
17	1001161399	2	Washer, Thrust	
18	0741609	4	Screw 3/8 x 1-1/8	
19	3340966	2	Pad, Stop	
20	3422848	2	Pin, Hitch	
21	4071059	AR	Shim 16 Gauge	
22	4740155	3	Washer, Thrust	
23	1001155035	1	Link	
23A	0962348	1	Bushing	
24	4740463	AR	Washer, Thrust	

FIGURE 1-9. STEERING INSTALLATION - WITH TOW PACKAGE (MACHINES WITH SN STARTING WITH B3)



ART_1001232539

FIGURE 1-9. STEERING INSTALLATION - WITH TOW PACKAGE (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232539	Ref	STEER INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0641607	6	Bolt 3/8 x 7/8	
3	0641810	16	Bolt 1/2 x 1-1/4	
4	3020029	AR	Lubricant	
5	3422417	2	Pin	
6	3422790	2	Pin	
7	3841520	6	Keeper, Pin	
8	4740256	4	Thrustwasher	
9	4740473	2	Washer, Special	
10	1001103810	2	Thrustwasher	
11	1001165657	4	Bearing	
12	1001150372	2	Spindle	
13	1001230375	2	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
14	1001161355	4	Kingpin	
15	1001150937	4	Plate	
16	1001154931	2	Tie-Rod	
16A	0962181	1	Bushing	
16B	0962152	1	Bushing	
17	1001161399	2	Thrustwasher	
18	0741609	4	Screw 3/8 x 1-1/8	
19	3340966	2	Pad, Stop	
20	3422848	2	Pin, Hitch	
21	4071059	4	Shim	
22	4740155	3	Thrustwasher	
23	1001155035	1	Link	
23A	0962348	1	Bushing	
24	4740463	4	Thrustwasher	

FIGURE 1-10. WHEEL DRIVE AND FRAME VALVES INSTALLATION – 2WD

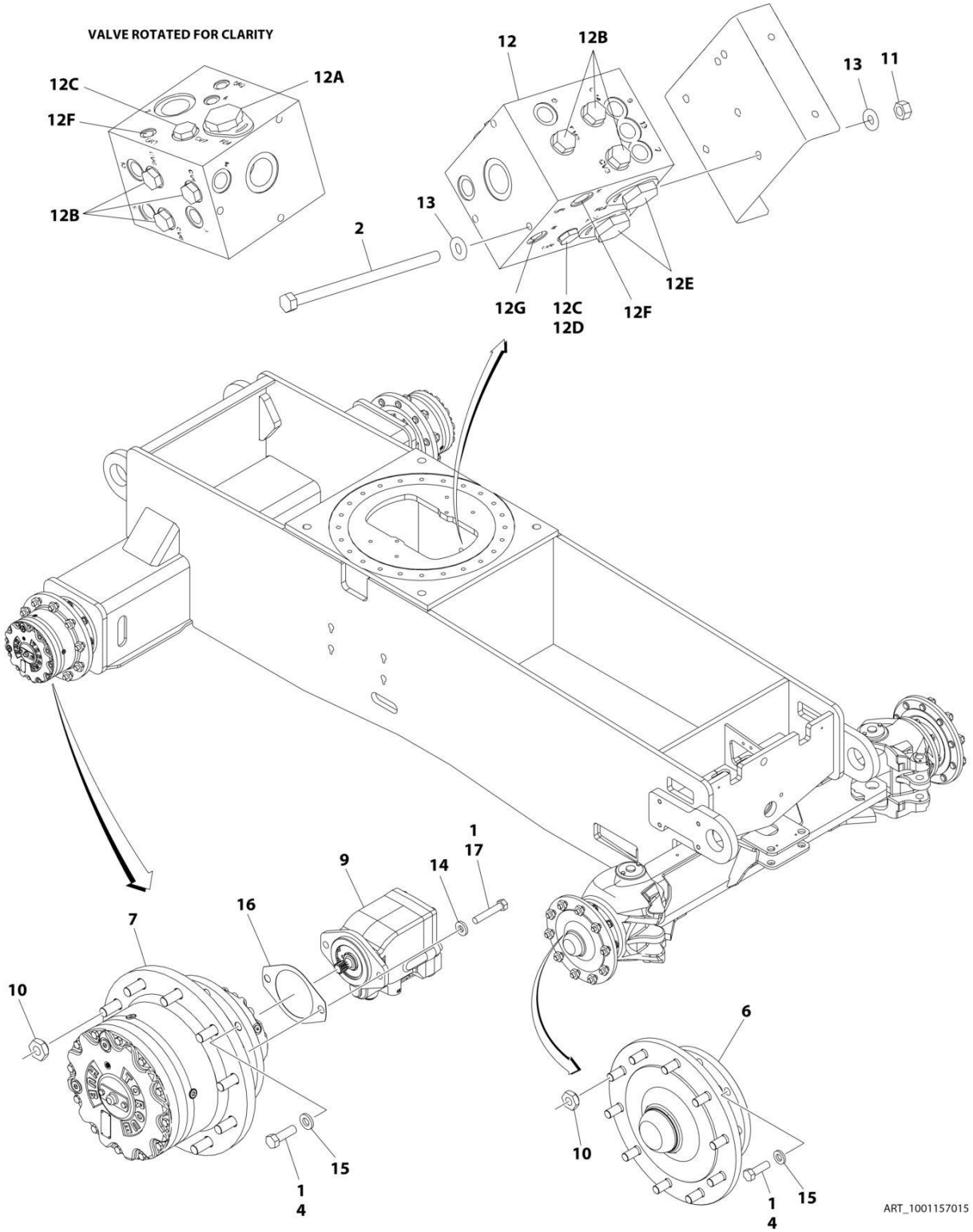


FIGURE 1-10. WHEEL DRIVE AND FRAME VALVES INSTALLATION – 2WD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157015	Ref	WHEEL DRIVE INSTALLATION - 2WD	E
1	0100011	AR	Compound, Locking	
2	0641542	2	Bolt 5/16 x 5 1/4	
4	0682016	32	Bolt 5/8 x 2 Grade 8	
6	2780229	2	Hub Assembly (See Separate Breakdown in this Section)	
7	1001219219	2	Drive Hub Assembly (See Separate Breakdown in this Section)	
9	3160347	2	Drive Motor Assembly (See Separate Breakdown in this Section)	
10	3300007	40	Nut, Wheel	
11	3311505	2	Nut 5/16	
12	1001099870	1	Flow Divider Valve Assembly	C
12A	7023933	1	Cartridge, Flow Divider	
12A	7021625	1	Seal Kit - 7023933 Cartridge	
12A	70000781	1	Lockdown Kit	
12B	7022397	1	Cartridge, Check	
12B	7022399	1	Seal Kit - 7022397 Cartridge	
12C	70002390	1	Cartridge, Check	
12C	7022399	1	Seal Kit - 70002390 Cartridge	
12D	7024881	1	Piston, Pilot	
12E	7017406	1	Plug	
12F	7024844	1	Plug	
12F	7017492	1	Orifice	
13	4711500	4	Washer 5/16	
14	4891800	4	Washer, 1/2	
15	4892000	32	Washer 5/8	
16	3960526	2	Gasket	
17	0681822	4	Bolt 1/2 x 2-3/4 Grade 8	

FIGURE 1-11. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 4WD (SN STARTING WITH 03)

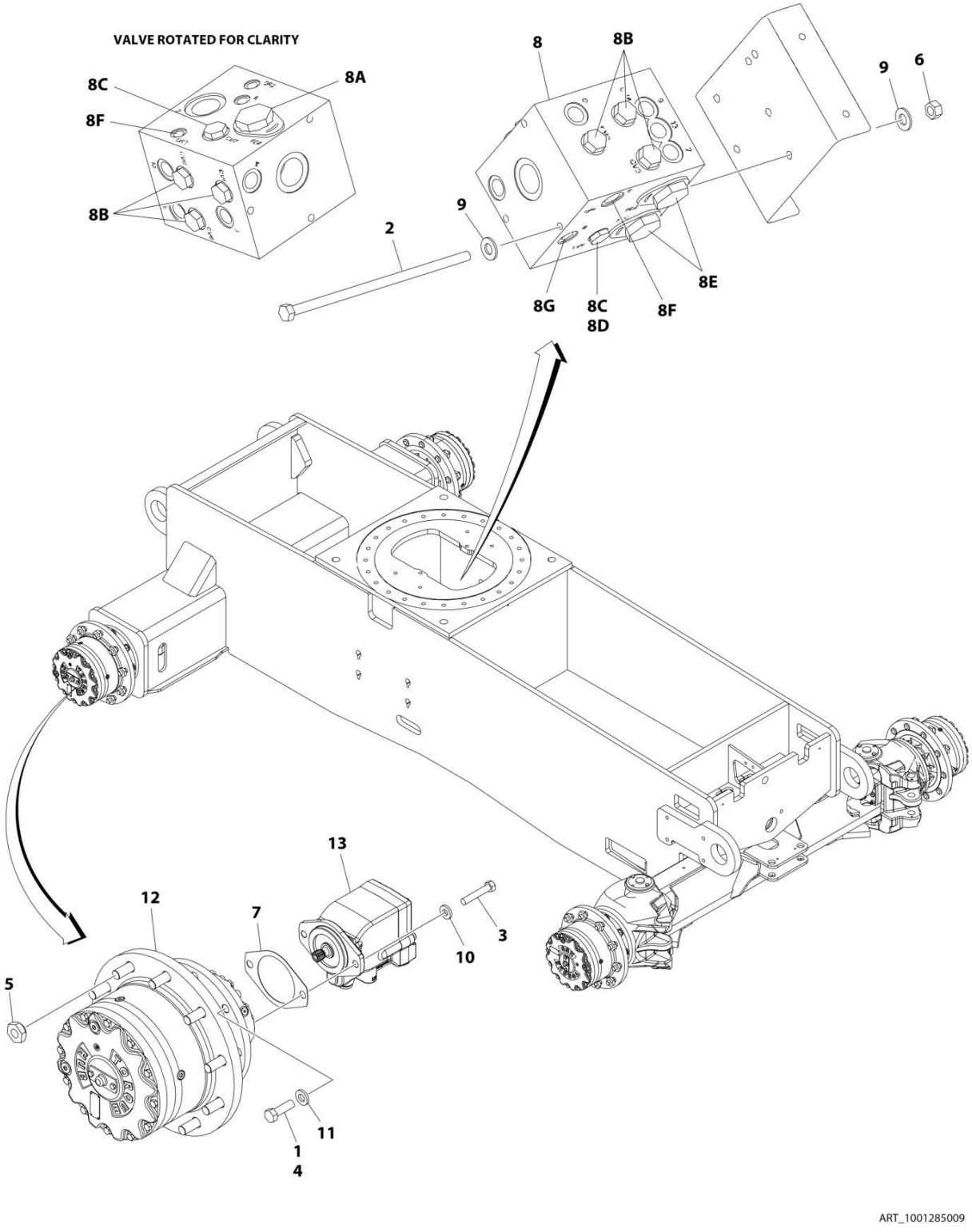


FIGURE 1-11. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 4WD (SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285009	Ref	WHEEL DRIVE AND FRAME VALVES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641560	3	Bolt 5/16 x 7-1/2	
3	0681822	8	Bolt 1/2 x 2-3/4	
4	0682016	32	Bolt 5/8 x 2 Grade 8	
5	3300007	40	Nut, Wheel	
6	3311505	3	Nut 5/16	
7	3960526	4	Gasket	
8	4641303	1	Flow Divider Valve Assembly	
8A	7023933	1	Cartridge, Flow Divider	
8A	7021625	1	Seal Kit - 7023933 Cartridge	
8B	7022397	6	Cartridge, Check	
8B	7022399	6	Seal Kit - 7022397 Cartridge	
8C	7021639	2	Cartridge, Check Valves	
8C	2900756	2	Seal Kit - 7021639 Cartridge	
8D	7024881	1	Piston, Pilot	
8E	7023917	2	Cartridge, Flow Divider	
8E	7021625	2	Seal Kit - 7023917 Cartridge	
8F	70003935	2	Orifice	
8G	70003936	1	Orifice	
9	4711500	6	Washer 5/16	
10	4891800	8	Washer 1/2	
11	4892000	32	Washer 5/8	
12	1001219219	4	Drive Hub Assembly (See Separate Breakdown in this Section)	
13	1001278022	4	Drive Motor Assembly (See Separate Breakdown in this Section)	

FIGURE 1-12. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 4WD (SN STARTING WITH B3)

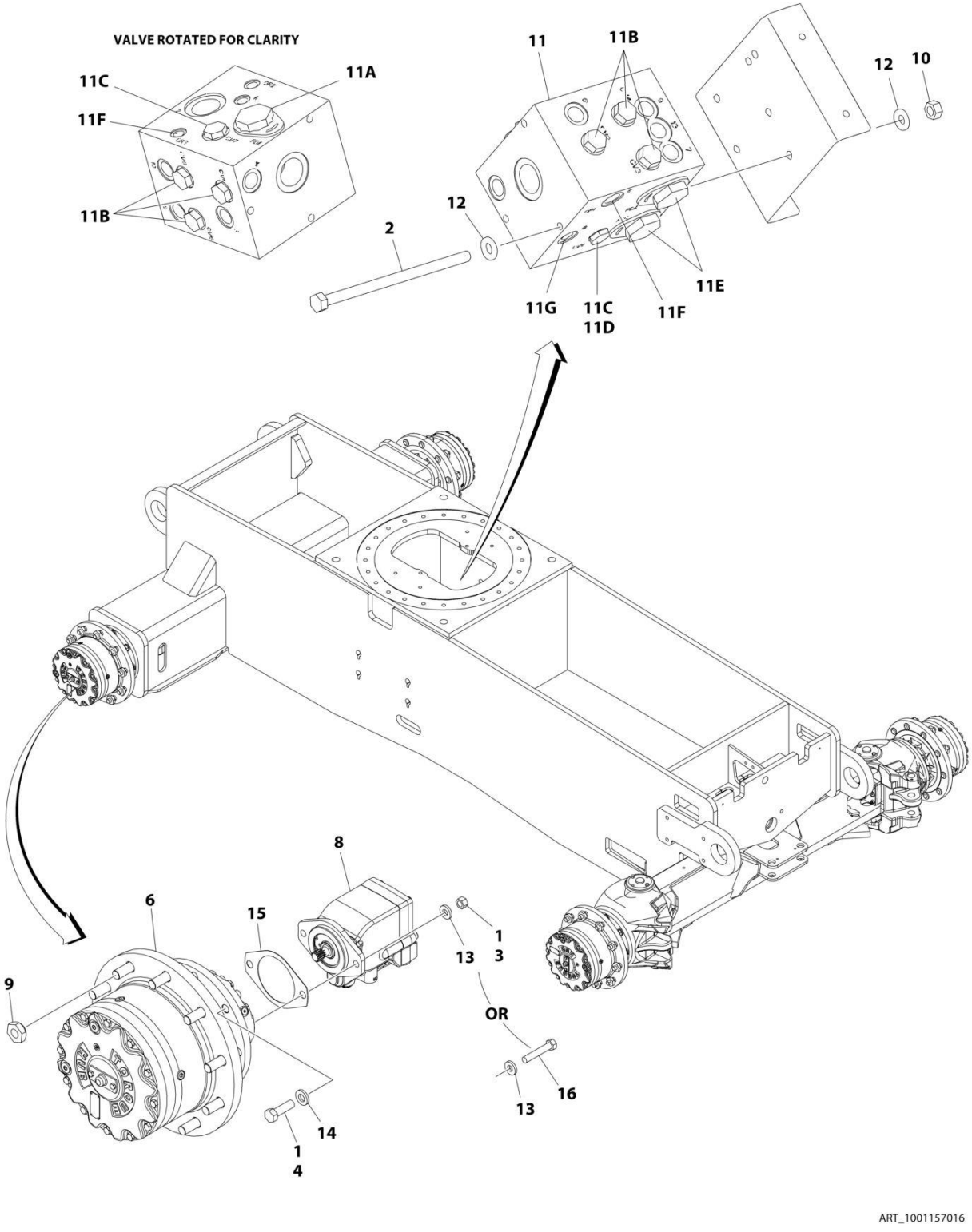


FIGURE 1-12. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 4WD (SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157016	Ref	WHEEL DRIVE AND FRAME VALVES INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0641560	3	Bolt 5/16 x 7-1/2	
3	3311801	8	Nut 1/2	
4	0682016	32	Bolt 5/8 x 2 Grade 8	
5	2300016	AR	Fluid, Hydraulic (Not Shown)	
6	1001219219	4	Drive Hub Assembly (See Separate Breakdown in this Section)	
8	3160348	4	Drive Motor Assembly (See Separate Breakdown in this Section)	
9	3300007	40	Nut, Wheel	
10	3311505	3	Nut 5/16	
11	4641303	1	Flow Divider Valve Assembly	C
11A	7023933	1	Cartridge, Flow Divider	
11A	7021625	1	Seal Kit - 7023933 Cartridge	
11B	7022397	6	Cartridge, Check	
11B	7022399	6	Seal Kit - 7022397 Cartridge	
11C	7021639	2	Cartridge, Check Valves	
11C	2900756	2	Seal Kit - 7021639 Cartridge	
11D	7024881	1	Piston, Pilot	
11E	7023917	2	Cartridge, Flow Divider	
11E	7021625	2	Seal Kit - 7023917 Cartridge	
11F	70003935	2	Orifice	
11G	70003936	1	Orifice	
12	4711500	6	Washer 5/16	
13	4891800	8	Washer 1/2	
14	4892000	32	Washer 5/8	
15	3960526	2	Gasket	
16	0681822	4	Bolt 1/2 x 2-3/4	

FIGURE 1-13. HUB ASSEMBLY - NON-DRIVE

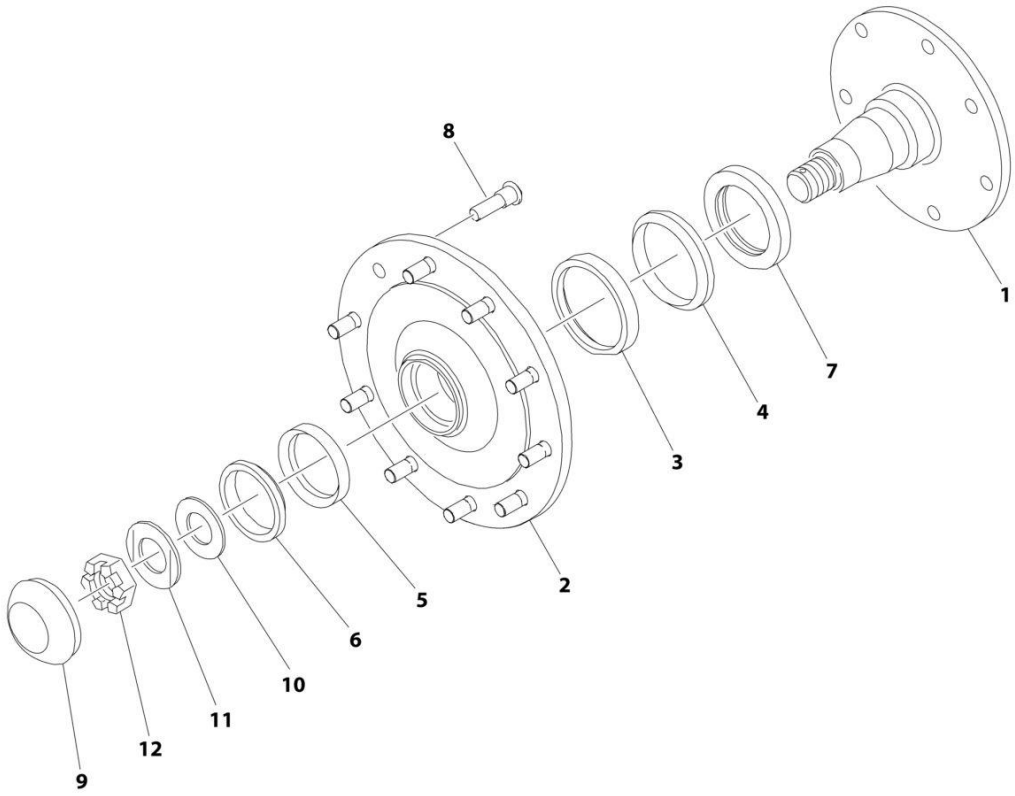


FIGURE 1-13. HUB ASSEMBLY - NON-DRIVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780229	Ref	HUB ASSEMBLY	A
1	7017052	1	Spindle (1 per Assembly)	
2	7017053	1	Housing (1 per Assembly)	
3	7010404	1	Cup, Bearing - Inner (1 per Assembly)	
4	7010405	1	Cone, Bearing - Inner (1 per Assembly)	
5	7017056	1	Cup, Bearing - Outer (1 per Assembly)	
6	7017055	1	Cone, Bearing - Outer (1 per Assembly)	
7	7010406	1	Seal, Lip (1 per Assembly)	
8	7000265	10	Stud (10 per Assembly)	
9	7017054	1	Dust Cap (1 per Assembly)	
10	7017051	1	Washer, Special (1 per Assembly)	
11	7017057	1	Washer, Tanged (1 per Assembly)	
12	7017058	1	Nut, Bearing (1 per Assembly)	

FIGURE 1-14. DRIVE HUB/BRAKE ASSEMBLY

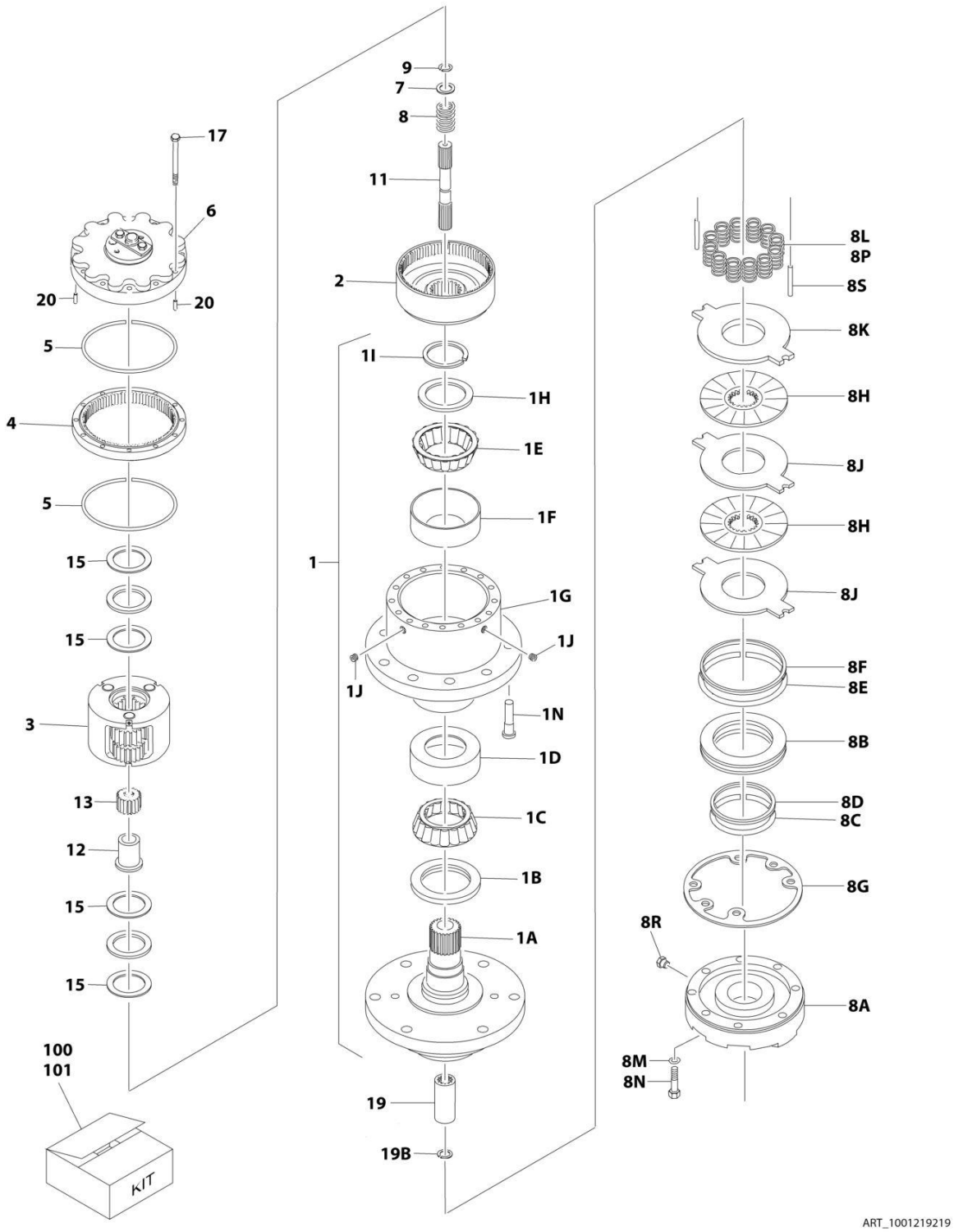


FIGURE 1-14. DRIVE HUB/BRAKE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219219	Ref	DRIVE HUB/BRAKE ASSEMBLY	C
1	See Note	NSS	Spindle/Housing Assembly (Note: Not Available - Purchase Individual Components)	
1A	70006677	1	Spindle	
1B	70006678	1	Seal	
1C	1001091460	1	Cone, Bearing	
1D	1001091460	1	Cup, Bearing	
1E	1001091461	1	Cone, Bearing	
1F	1001091461	1	Cup, Bearing	
1G	See Note	NSS	Housing (Note: Not Available - Not Available for Purchase)	
1H	7000239	1	Thrustwasher	
1I	7000240	1	Ring, Retaining	
1J	7001928	1	Plug, Pipe	
1N	See Note	NSS	Stud, Wheel (Note: Not Available - Not Available for Purchase)	
2	7024782	1	Gear, Ring	
3	70006673	1	Carrier Assembly	
4	7024151	1	Gear, Internal	
5	7000224	2	O-Ring	
6	70006674	NSS	Cover Assembly (Note: Not Available - Not Available for Purchase)	
7	70006691	1	Thrustwasher	
8	7000283	1	Spring	
8A	7024191	1	Housing, Piston	
8B	70006684	1	Piston	
8C	See Note	NSS	O-Ring (Note: Use Item 101)	
8D	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
8E	See Note	NSS	O-Ring (Note: Use Item 101)	
8F	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
8G	See Note	NSS	Gasket (Note: Use Items 100 & 101)	
8H	See Note	NSS	Brake, Stator (Note: Use Item 100)	
8J	See Note	NSS	Brake, Rotor (Note: Use Item 100)	
8K	See Note	NSS	Plate, Pressure (Note: Use Item 100)	
8L	80344004	10	Spring	
8M	70006685	6	Capscrew	
8N	70006690	6	Lockwasher	
8P	70006680	2	Spring	
8R	7017082	2	Plug	
8S	7024190	2	Pin, Dowel	
9	7000284	1	Ring, Retaining	
11	70006675	1	Shaft, Input	
12	7024154	1	Spacer, Input	
13	7024149	1	Gear, Sun	
15	70006692	2	Thrustwasher	
17	7000289	12	Bolt 3/8 x 2-1/2in (Grade 8)	
19	70006676	1	Coupling	
19B	7017028	1	Ring, Retaining	
20	7017047	2	Pin, Dowel	
100	70006832	1	Friction Disc Kit (Includes Items 8G, 8H, 8J & 8K)	
101	70006833	1	Seal Kit (Includes Items - 8C-8G)	

FIGURE 1-15. DRIVE MOTOR ASSEMBLY - 2WD

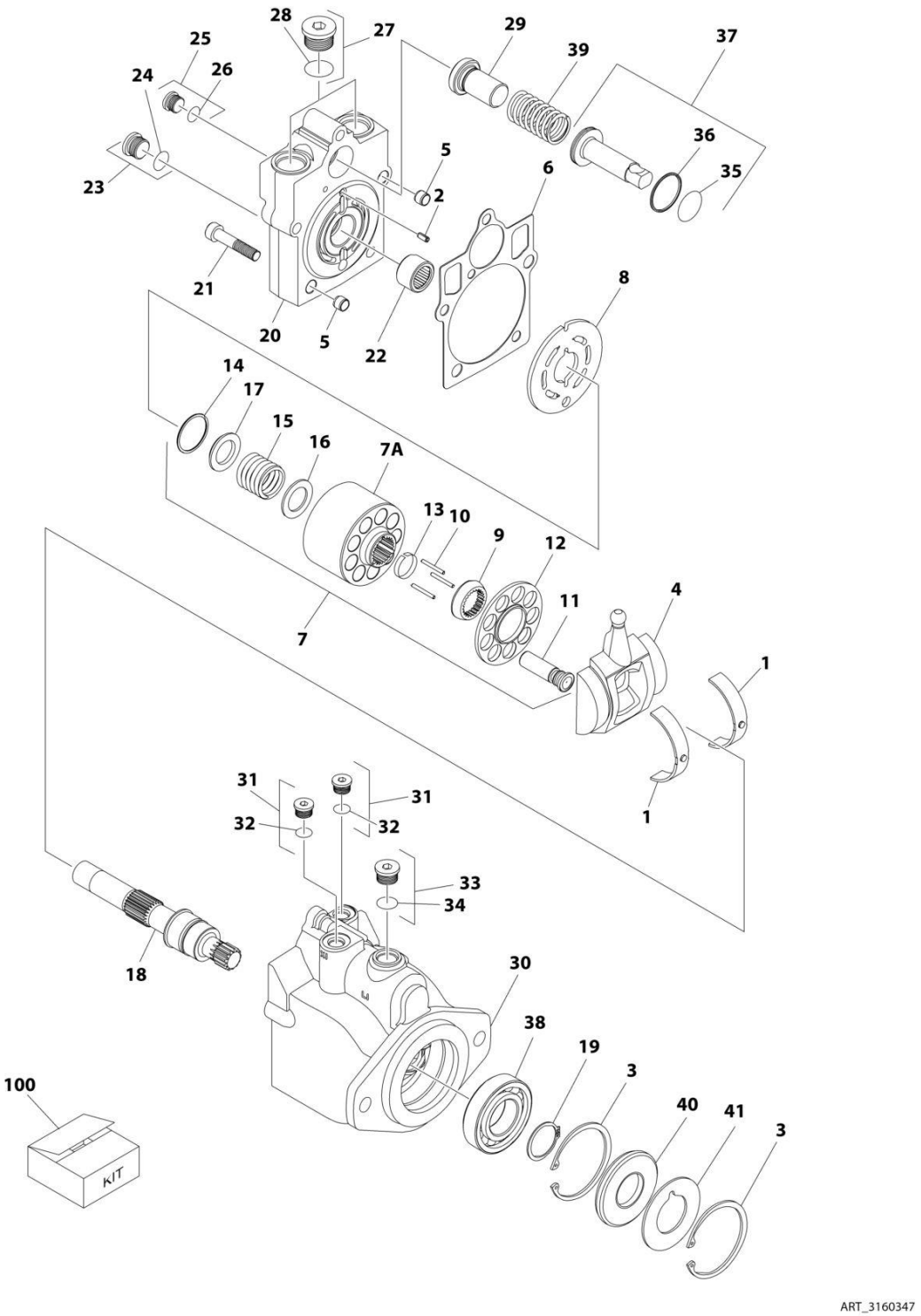


FIGURE 1-15. DRIVE MOTOR ASSEMBLY - 2WD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160347	Ref	DRIVE MOTOR ASSEMBLY	B
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	7022305	1	Swash Plate	
5	See Note	2	Pin (Note: Not Available for Purchase)	
6	See Note	NSS	Gasket (Note: Use Item 100)	
7	7027740	1	Cylinder Block Kit (Includes Items 7A & 9-17)	
7A	See Note	NSS	Block, Cylinder (Note: Use Item 7)	
8	7024862	1	Plate, Valve	
9	7021277	1	Guide, Slipper Retainer	
10	7021275	3	Pin, Slipper Hold Down	
11	See Note	NSS	Piston Assembly (Note: Use Item 7)	
12	See Note	NSS	Retainer, Slipper (Note: Use Item 7)	
13	See Note	NSS	Retainer, Hold Down Pin (Note: Use Item 7)	
14	7022311	1	Ring, Retaining	
15	7024867	1	Spring	
16	7022313	1	Washer	
17	7022314	1	Retainer, Spring	
18	7023910	1	Shaft	
19	7007439	1	Ring, Retaining	
20	70000795	1	Cap, End - Axial	
21	7022368	5	Screw	
22	7021249	1	Bearing, Needle	
23	2220886	1	Plug (Includes Item 24)	
24	See Note	1	O-Ring (Note: Use Item 23 or 100)	
25	2220883	1	Plug (Includes Item 26)	
26	See Note	NSS	O-Ring (Note: Use Item 25 or 100)	
27	2220888	2	Plug (Includes Item 28)	
28	See Note	NSS	O-Ring (Note: Use Item 27 or 100)	
29	7027741	1	Seat, Spring	
30	See Note	NSS	Housing (Note: Not Available - Purchase Complete Assembly)	
31	2220883	2	Plug (Includes Item 32)	
32	See Note	NSS	O-Ring (Note: Use Item 31 or 100)	
33	2220886	1	Plug (Includes Item 34)	
34	See Note	NSS	O-Ring (Note: Use Item 33 or 100)	
35	See Note	NSS	O-Ring (Note: Use Item 100)	
36	See Note	NSS	Ring, Seal (Note: Use Item 100)	
37	7024871	1	Piston, Servo (Includes Items 35 & 36)	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	See Note	NSS	Seal, Lip (Note: Use Item 100)	
41	7022371	1	Washer, Support	
		Ref	KIT OPTIONS:	
100	7022328	1	Seal Kit (Includes Items 6, 24, 26, 28, 32, 34, 35, 36 & 40)	

FIGURE 1-16. DRIVE MOTOR ASSEMBLY - 4WD (SN STARTING WITH 03)

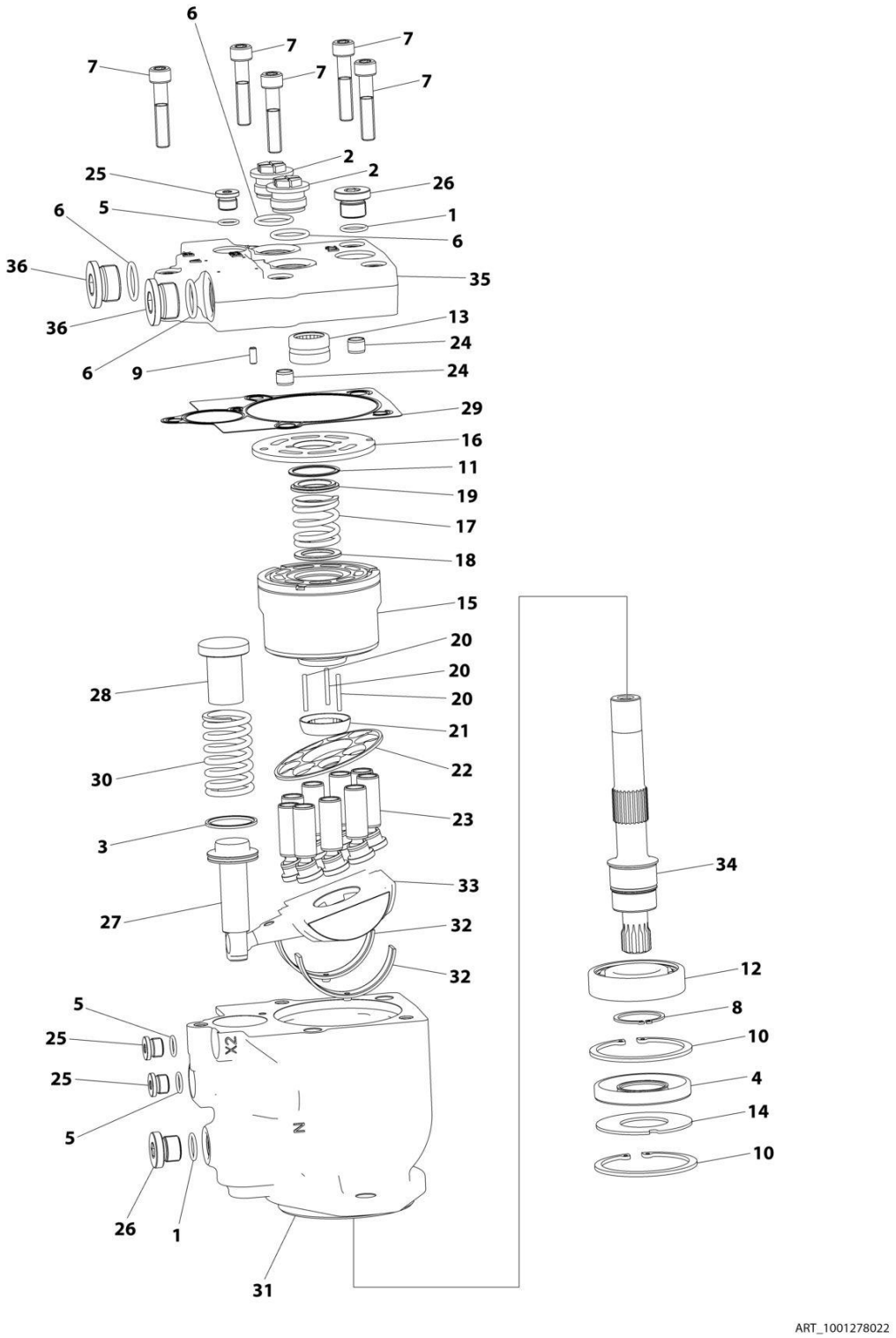


FIGURE 1-16. DRIVE MOTOR ASSEMBLY - 4WD (SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001278022	Ref	DRIVE MOTOR ASSEMBLY	B
1	70007847	2	O-Ring	
2	70007848	2	Plug	
3	70007849	1	Ring, Sealing	
4	70007850	1	Bearing	
5	70007851	3	O-Ring	
6	70007852	4	O-Ring	
7	70007853	5	Capscrew M10 x 50	
8	70007854	1	Circlip	
9	70007855	1	Pin	
10		Ref	Circlip	
11	70007856	1	Ring, Retaining	
12	70007857	1	Bearing	
13	70007858	1	Bearing	
14	70007859	1	Gasket	
15	70007860	1	Cylinder	
16	70007861	1	Plate, Valve	
17	70007862	1	Spring	
18	70007863	1	Gasket	
19	70007864	1	Gasket	
20	70007865	3	Pin	
21	70007866	1	Bushing	
22	70007867	1	Retainer	
23	70007868	9	Piston	
24	70007869	2	Pin	
25	70007870	3	Plug	
26	70007871	2	Plug	
27	70007872	1	Piston	
28	70007873	1	Seat, Spring	
29	70007874	1	Gasket	
30	70007875	1	Spring	
31	See Note	NSS	Housing (Note: Purchase Complete Assembly)	
32	70007876	2	Bushing	
33	70007877	1	Plate, Swash	
34	70007878	1	Shaft	
35	See Note	NSS	Cover (Note: Purchase Complete Assembly)	
36	See Note	Ref	Plug (Note: Shipping Use Only)	

FIGURE 1-17. DRIVE MOTOR ASSEMBLY - 4WD (SN STARTING WITH B3)

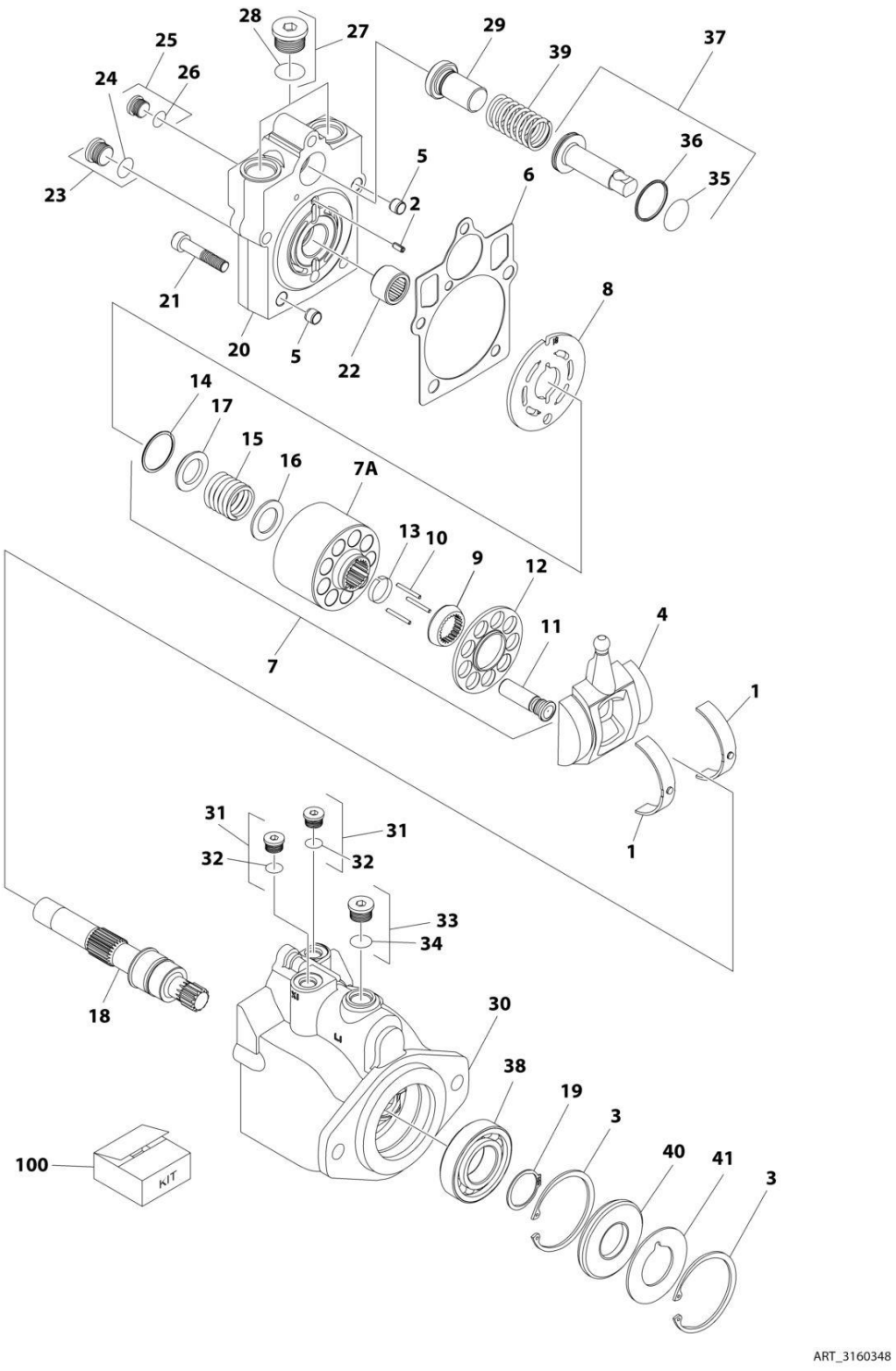


FIGURE 1-17. DRIVE MOTOR ASSEMBLY - 4WD (SN STARTING WITH B3)

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

FIGURE 1-18. TIRE & WHEEL INSTALLATION - 15-625 NHS FOAM-FILLED

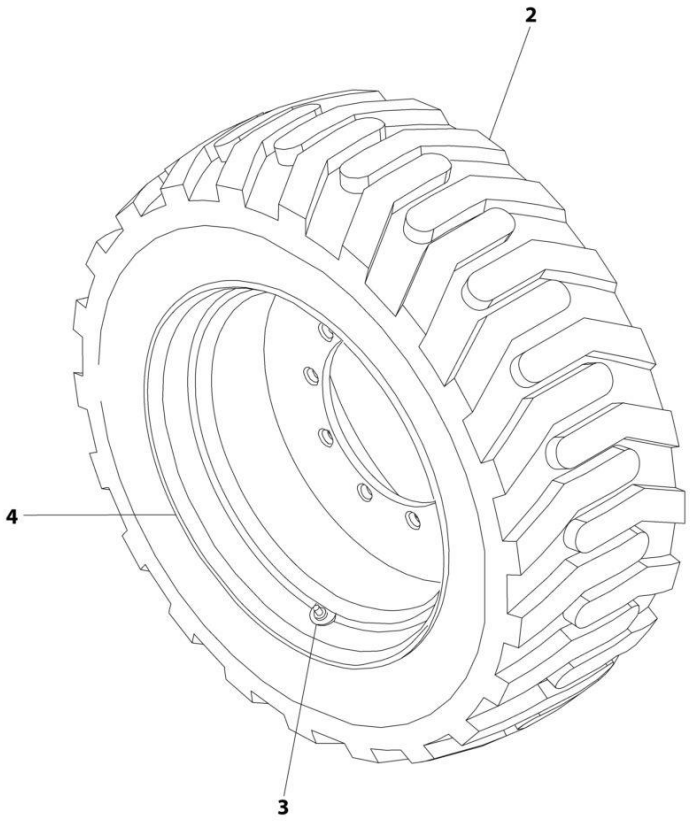
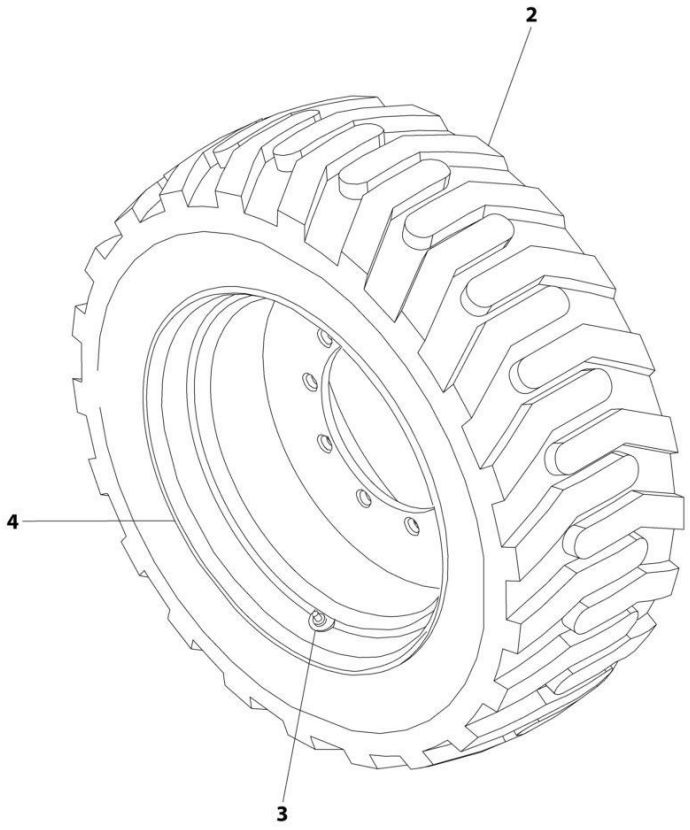


FIGURE 1-18. TIRE & WHEEL INSTALLATION - 15-625 NHS FOAM-FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270886	Ref	TIRE AND WHEEL INSTALLATION	D
	0271085	2	Tire and Wheel Assembly - 15-625 NHS Foam-Filled LH Side	I
	0271086	2	Tire and Wheel Assembly - 15-625 NHS Foam-Filled RH Side	I
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's sepcifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.	
		Ref	Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
2	4520252	1	Tire 15-625	
3	4641122	1	Valve, Air	
4	4860224	1	Rim, Wheel - 13 x 24.5 Rim	

FIGURE 1-19. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED TIRE

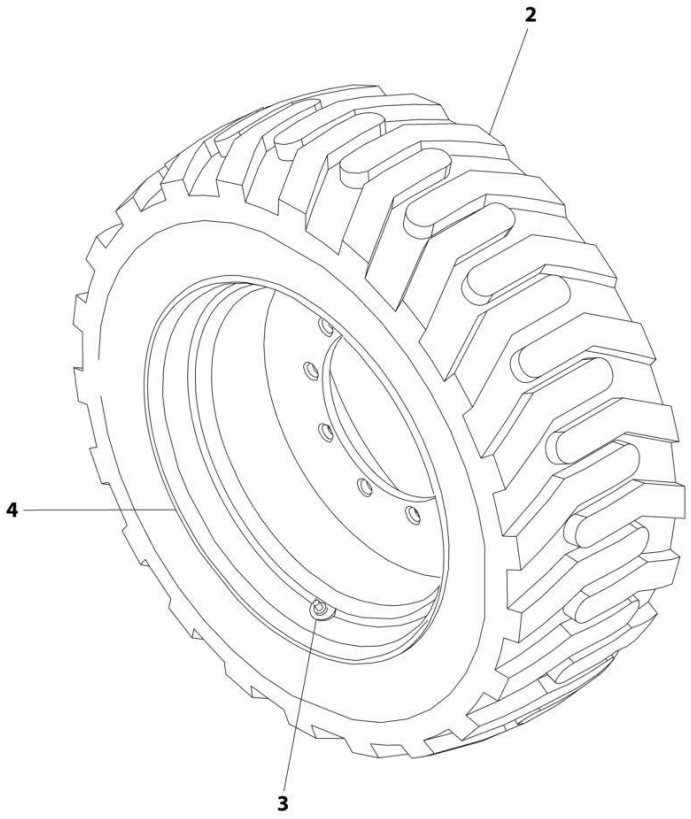


ART_0270888

FIGURE 1-19. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED TIRE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270888	Ref	TIRE AND WHEEL INSTALLATION	C
	0271090	2	Tire and Wheel Assembly - 18-625 NHS Foam-Filled LH Side	G
	0271091	2	Tire and Wheel Assembly - 18-625 NHS Foam-Filled RH Side	G
		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	Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
2	4520253	1	Tire 18-625	
3	4641122	1	Valve, Air	
4	4860225	1	Rim, Wheel - 15 x 24.5 Rim	

FIGURE 1-20. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED NON-MARKING TIRE



ART_1001169757

FIGURE 1-20. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED NON-MARKING TIRE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169757	Ref	TIRE AND WHEEL INSTALLATION	A
	1001169755	2	Tire and Wheel Assembly - 18-625 NHS Foam-Filled Non-Marking LH Side	D
	1001169756	2	Tire and Wheel Assembly - 18-625 NHS Foam-Filled Non-Marking RH Side	D
		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	Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
2	1001169754	1	Tire 18-625 Non-Marking	
3	4641122	1	Valve, Air	
4	4860225	1	Rim, Wheel - 15 x 24.5 Rim	

FIGURE 1-21. TIRE AND WHEEL INSTALLATION 18-22.5 NHS FOAM-FILLED NON-MARKING TIRE

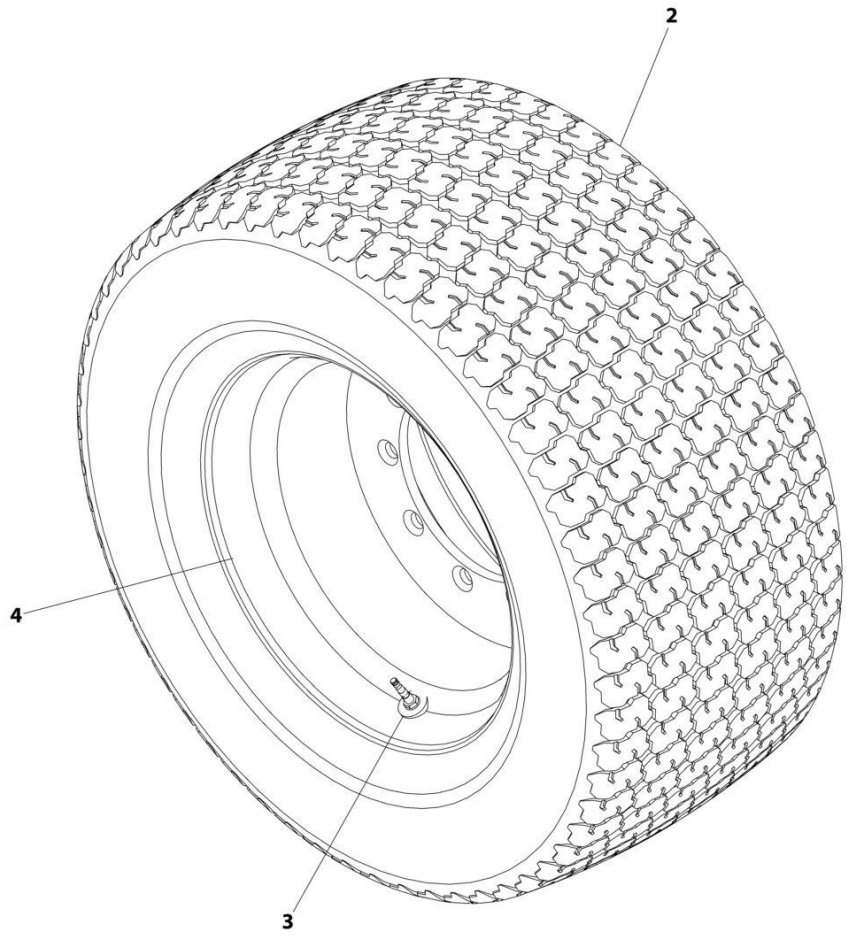


FIGURE 1-21. TIRE AND WHEEL INSTALLATION 18-22.5 NHS FOAM-FILLED NON-MARKING TIRE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268884	Ref	TIRE AND WHEEL INSTALLATION	A
	1001268883	4	Tire and Wheel Assembly - 41 x 18LL x 22.5 NHS Foam-Filled Non-Marking	B
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.	
		Ref	Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
2	4520256	1	Tire 41 x 18LL x 22.5 Non-Marking	
3	4641122	1	Valve, Air	
4	1001209982	1	Rim, Wheel - 22.5 x 14 Rim	

FIGURE 1-22. LP TANK BRACKETS INSTALLATIONS

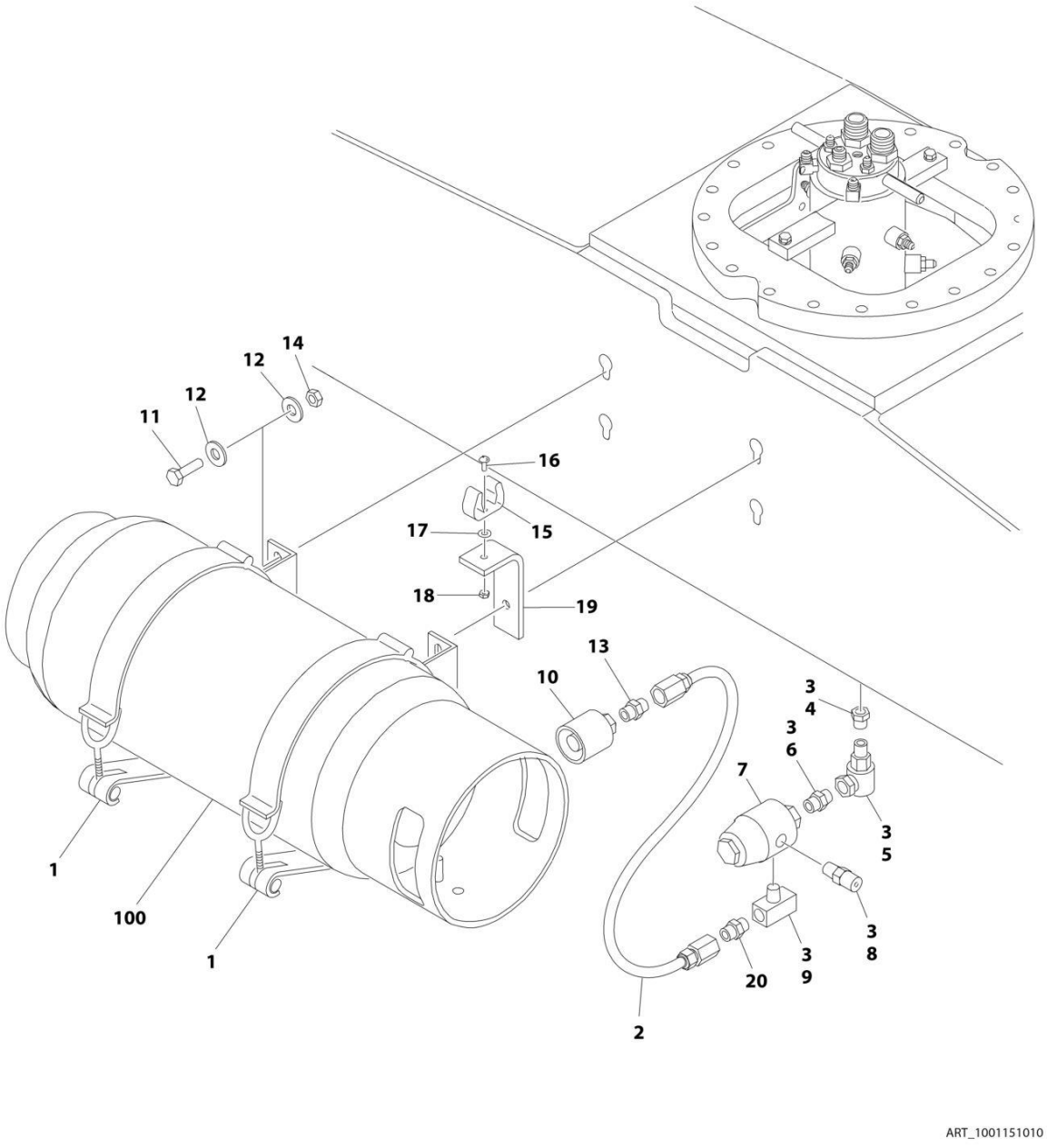


FIGURE 1-22. LP TANK BRACKETS INSTALLATIONS

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)	

FIGURE 1-23. TOW PACKAGE INSTALLATION (ENGLISH DECALS)

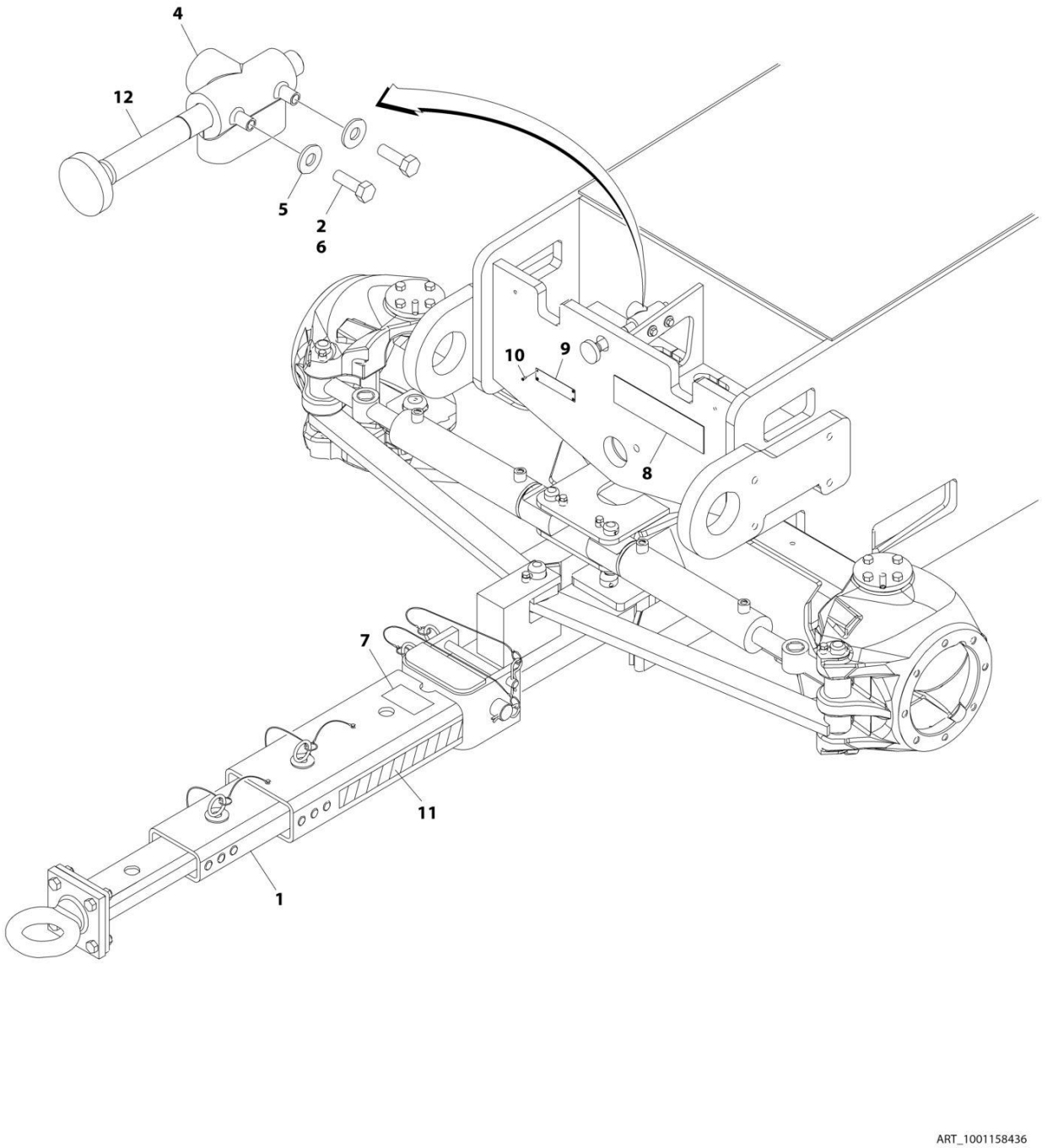


FIGURE 1-23. TOW PACKAGE INSTALLATION (ENGLISH DECALS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158436	Ref	TOW BAR INSTALLATION (ENGLISH DECALS)	B
	0270528	1	Tow Bar Assembly (See Separate Breakdown in this Section)	
2	0641508	2	Bolt 5/16 x 1	
4	4640261	1	Valve, Select	
5	4751500	4	Washer 5/16	
6	0100011	AR	Compound, Locking	
7	1704578	2	Decal - Crushing	
8	1705090	1	Decal - Towing Instructions	
9	3250872	1	Decal/Nameplate - Steer/Tow Select Valve	
10	3820001	4	Rivet	
11	4420051	AR	Tape, Safety	
12	1001160780	1	Extension, Rod	

FIGURE 1-24. TOW PACKAGE INSTALLATION (FRENCH/ENGLISH DECALS)

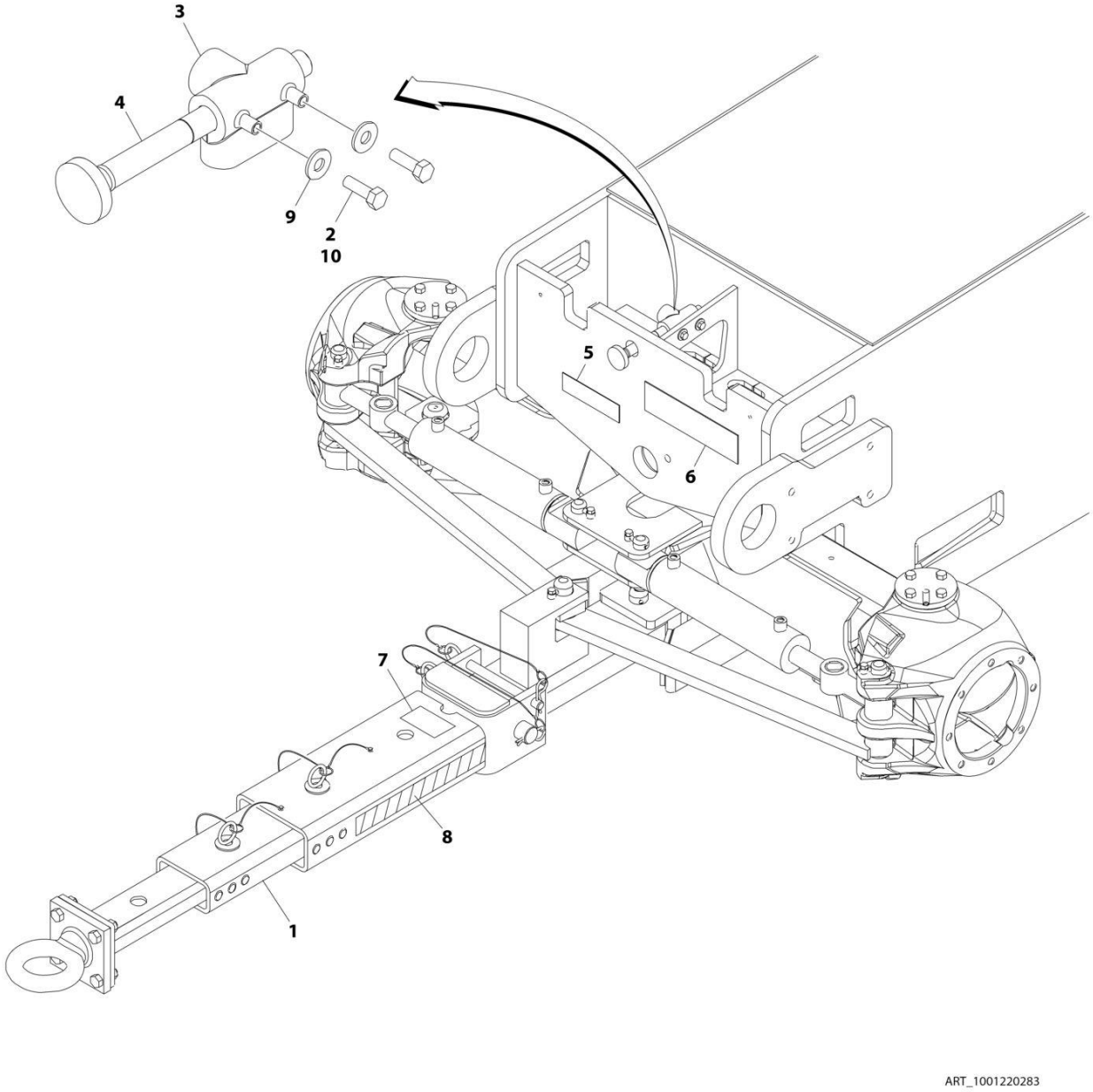


FIGURE 1-24. TOW PACKAGE INSTALLATION (FRENCH/ENGLISH DECALS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220283	Ref	TOW BAR INSTALLATION (FRENCH/ENGLISH DECALS)	A
	0270528	1	Tow Bar Assembly (See Separate Breakdown in this Section)	
2	0641508	2	Bolt 5/16 x 1	
3	4640261	1	Valve, Select	
4	1001160780	1	Extension, Rod	
5	1704272	1	Decal/Nameplate - Steer/Tow Select Valve	
6	1705820	1	Decal - Towing Instructions	
7	1706593	2	Decal - Crushing	
8	4420051	AR	Tape, Safety	
9	4751500	4	Washer 5/16	
10	0100011	AR	Compound, Locking	

FIGURE 1-25. TOW BAR ASSEMBLY

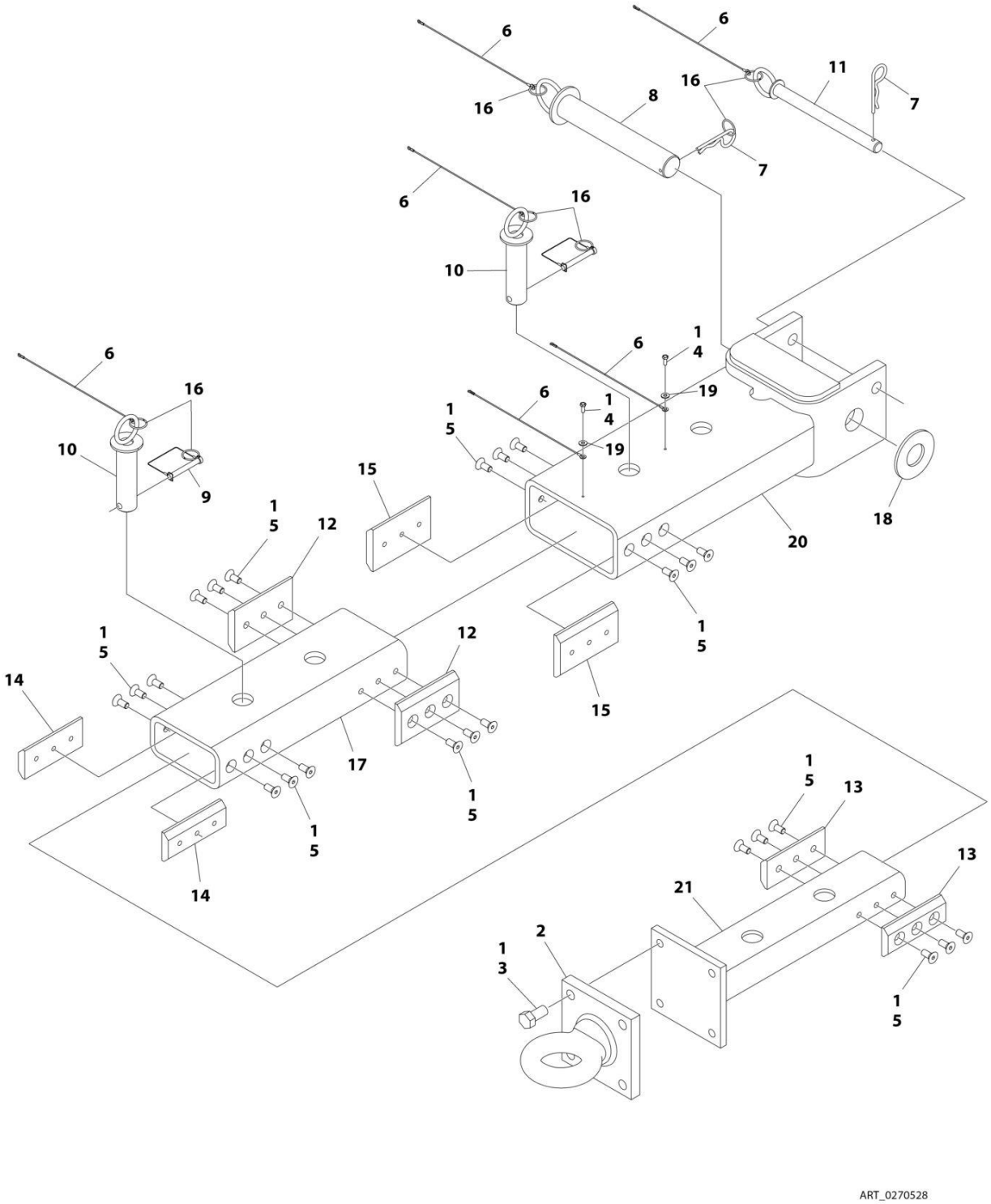


FIGURE 1-25. TOW BAR ASSEMBLY

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 1-26. FRAME SHIELDS INSTALLATION

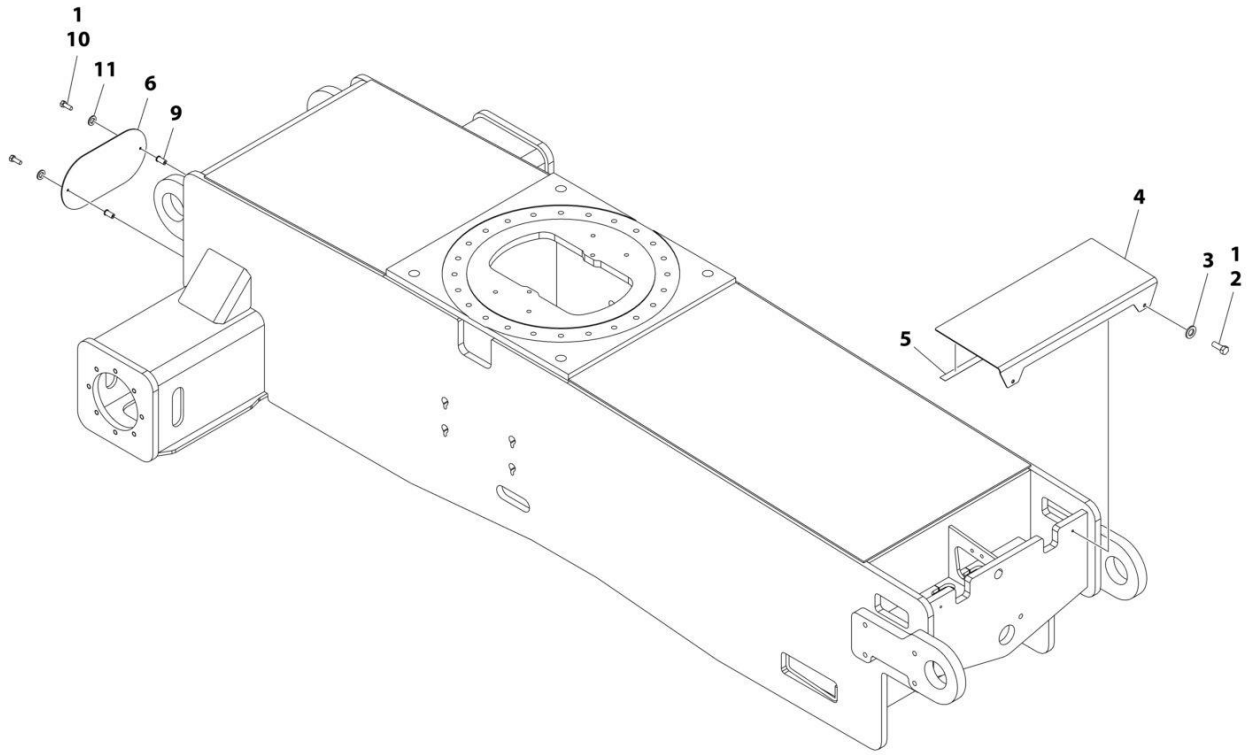


FIGURE 1-26. FRAME SHIELDS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158203	Ref	FRAME SHIELDS INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0641606	2	Bolt 3/8 x 3/4	
3	4751600	2	Washer 3/8	
4	1001158187	1	Cover	
5	4280296	27 in/ 68cm	Trim	
6	1001158188	1	Cover	
9	8580420	2	Nut, Well	
10	0641410	2	Bolt 1/4 x 1-1/4	
11	4751400	2	Washer 1/4	

SECTION 2 - TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATION (800S HC3)

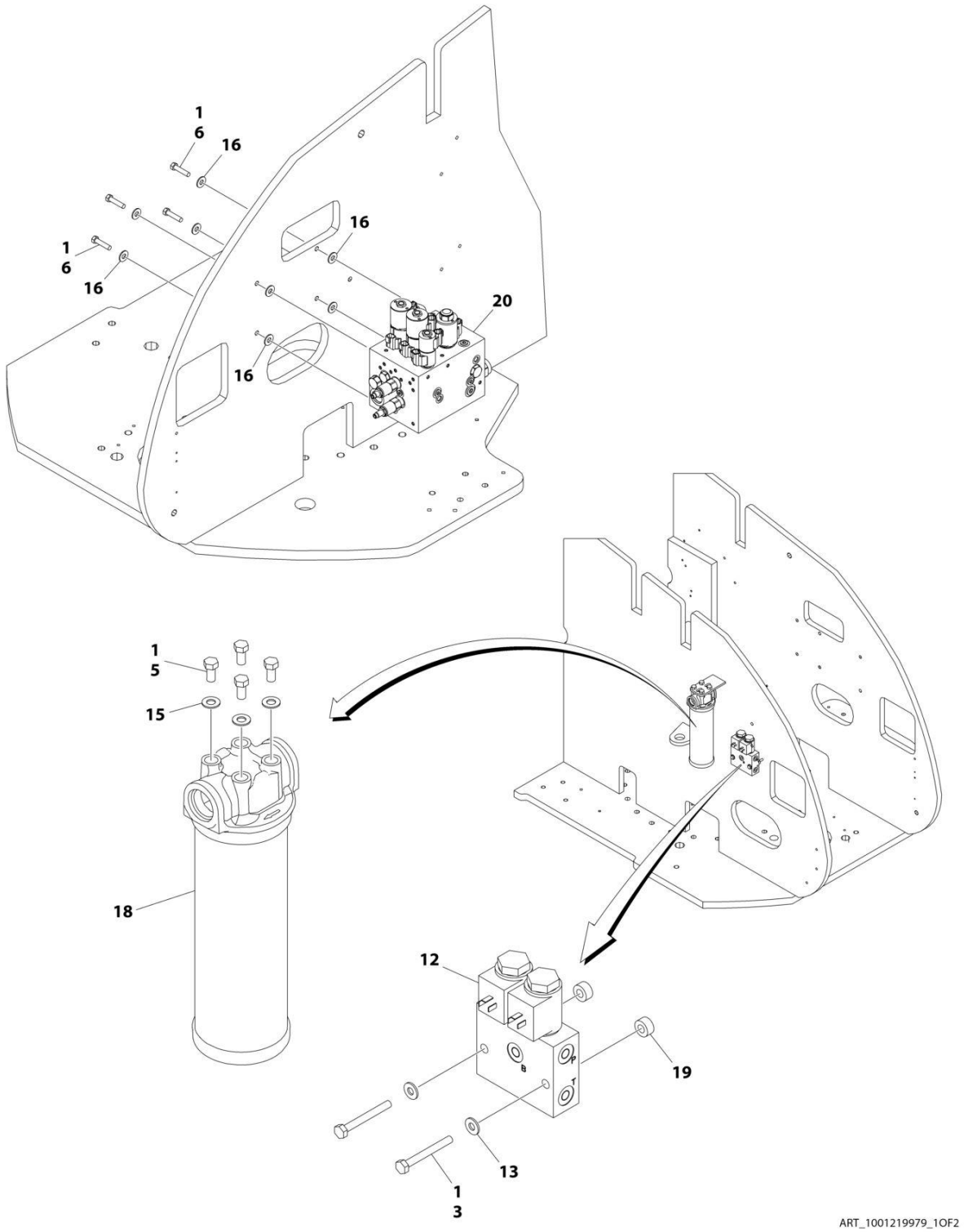


FIGURE 2-1. CONTROL VALVES INSTALLATION (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219979	Ref	VALVES INSTALLATION	B
1	0100011	AR	Compound, Locking	
3	0641418	2	Bolt 1/4 x 2-1/4	
5	0641606	4	Bolt 3/8 x 3/4	
6	0641613	4	Bolt 3/8 x 1-5/8	
12	4641317	1	Dual Select Valve Assembly	C
12	7012944	2	Coil	
12	7012941	2	Cartridge Less Coil	
12	7010543	2	Seal Kit - 7012941 Valve (1 Per Cartridge)	
13	4711400	2	Washer 1/4	
15	4711600	4	Washer 3/8	
16	4751600	8	Washer 3/8	
18	1001108617	AR	Hydraulic Filter Assembly	
18	70002231	1	Element, Filter	
19	1001110425	1	Spacer	
20	1001235900	1	Main Control Valve Assembly (See Separate Breakdown in this Section)	

FIGURE 2-2. CONTROL VALVES INSTALLATION (860SJ HC3)

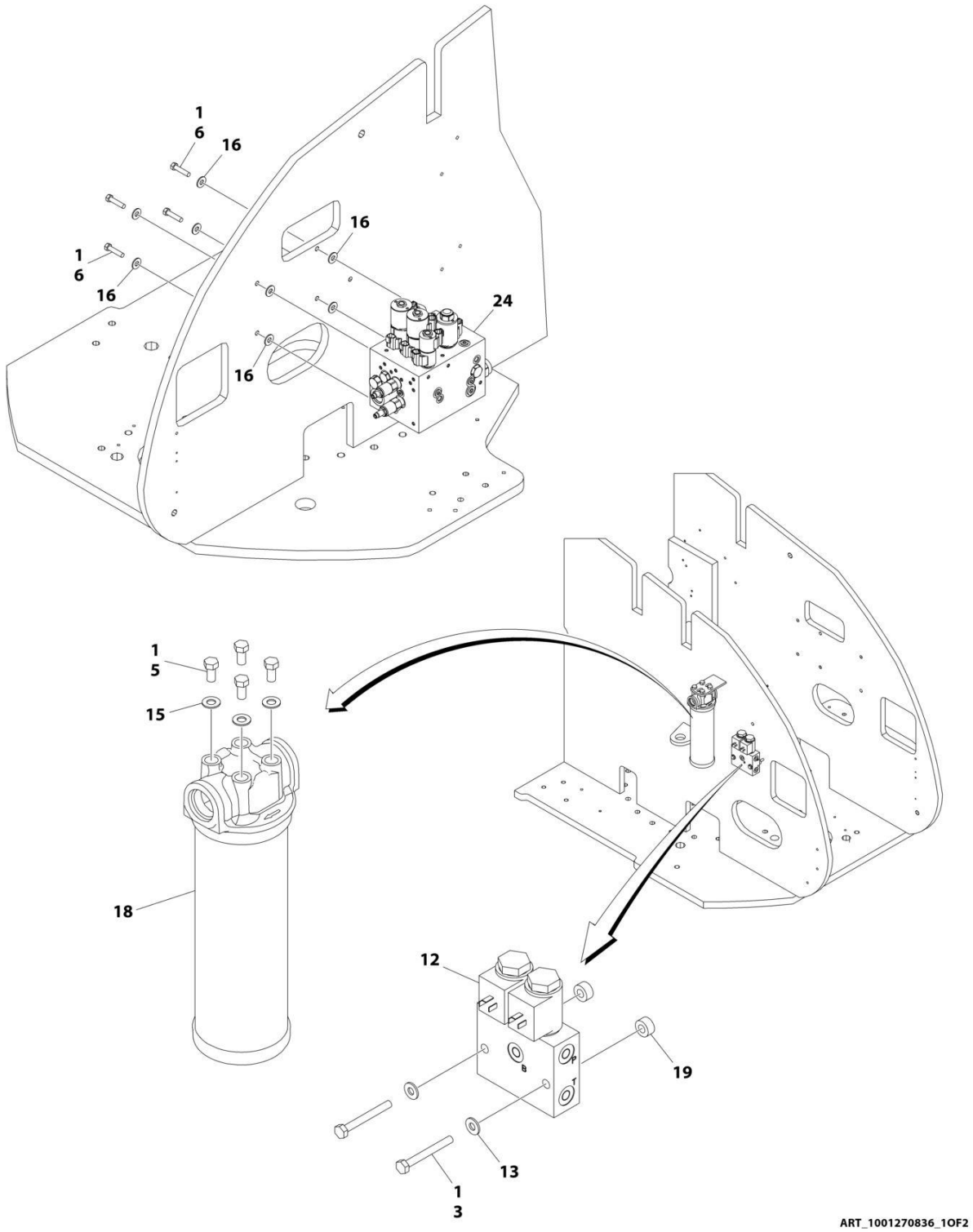


FIGURE 2-2. CONTROL VALVES INSTALLATION (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270836	Ref	CONTROL VALVE INSTALLATION	A
1	0100011	AR	Compound, Locking	
3	0641418	2	Bolt 1/4 x 2-1/4	
5	0641606	4	Bolt 3/8 x 3/4	
6	0641613	4	Bolt 3/8 x 1-5/8	
12	4641317	1	Dual Select Valve Assembly	C
12	7012944	2	Coil	
12	7012941	2	Cartridge Less Coil	
12	7010543	2	Seal Kit - 7012941 Valve (1 Per Cartridge)	
13	4711400	2	Washer 1/4	
15	4711600	4	Washer 3/8	
16	4751600	8	Washer 3/8	
18	1001108617	AR	Hydraulic Filter Assembly	
18	70002231	1	Element, Filter	
19	1001110425	1	Spacer	
20	1001168025	1	Upper Valve Harness (not shown)	
24	1001235900	1	Main Control Valve Assembly (See Separate Breakdown in this Section)	

FIGURE 2-3. MAIN CONTROL VALVE ASSEMBLY

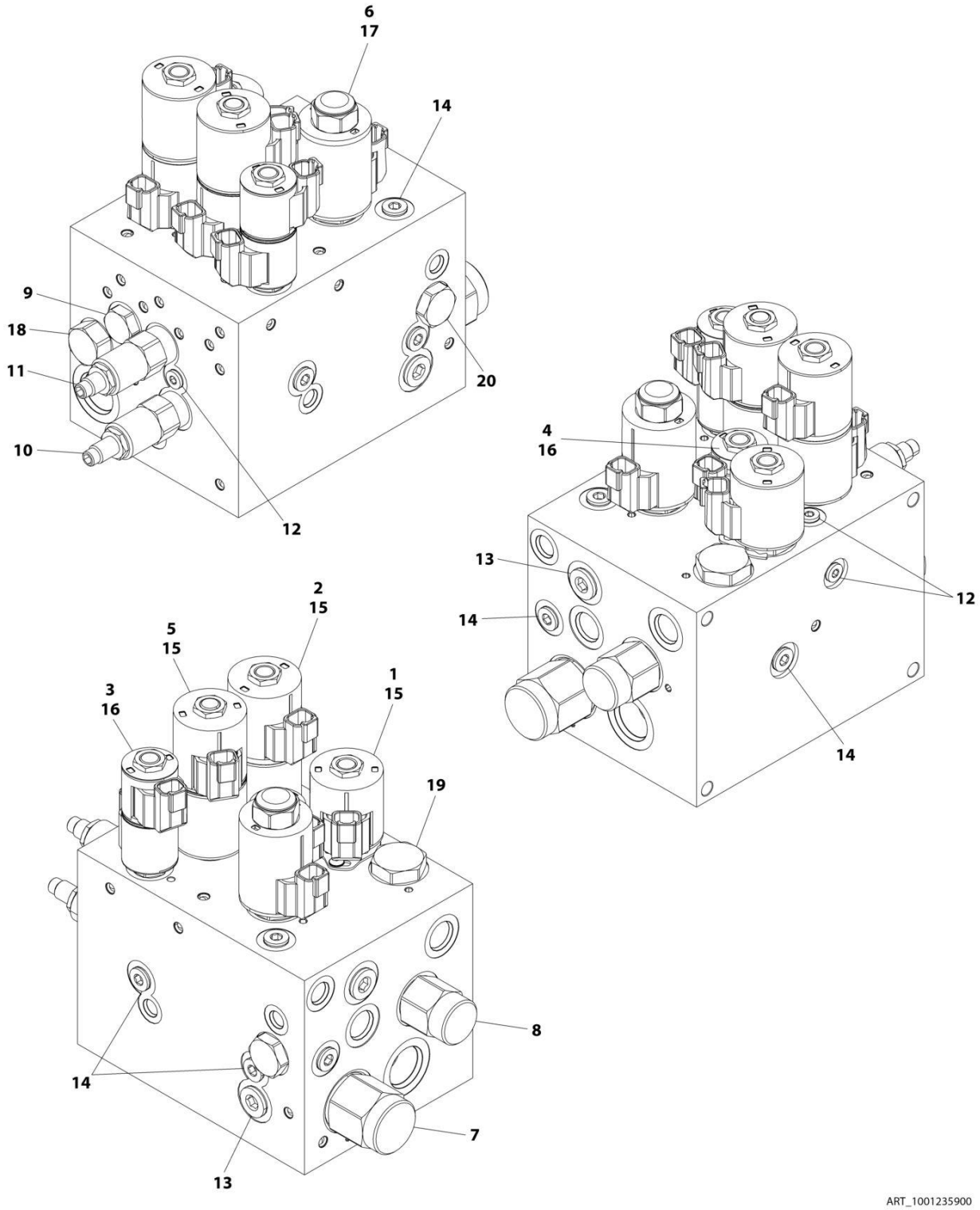


FIGURE 2-3. MAIN CONTROL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235900	Ref	MAIN CONTROL VALVE ASSEMBLY	B
1	70004570	1	Cartridge, Solenoid Valve (Main Dump)	
1	70004571	1	Seal Kit - 70004570 Valve	
1	70005725	1	Lock Down Kit	
2	7023925	1	Cartridge, Solenoid Valve (Steer)	
2	7012903	1	Seal Kit - 7023925 Valve	
3	7017452	1	Cartridge, Solenoid Valve (Tele)	
3	7017402	1	Seal Kit - 7017452 Valve	
4	7021612	1	Cartridge, Solenoid Valve (Lift)	
4	7012907	1	Seal Kit - 7021612 Valve	
5	70003022	1	Cartridge, Solenoid Valve (Swing)	
5	7012903	1	Seal Kit - 70003022 Valve	
6	70004572	1	Cartridge, Solenoid Valve (Tele)	
6	70004573	1	Seal Kit - 70004572 Valve	
7	70004574	1	Cartridge, Valve	
7	70004575	1	Seal Kit - 70004574 Valve	
8	70004576	1	Cartridge, Valve	
8	70004577	1	Seal Kit - 70004576 Valve	
9	10837580	1	Cartridge, Valve	
9	7010543	1	Seal Kit - 10837580 Valve	
10	7017422	1	Cartridge, Valve	
10	7012998	1	Seal Kit - 7017422 Valve	
11	70004578	1	Cartridge, Valve	
11	7021653	1	Seal Kit - 70004578 Valve	
12	91164059	3	Plug, #4	
13	91164057	3	Plug, #8	
14	91164079	6	Plug, #6	
15	70003788	5	Coil	
16	70002386	3	Coil	
17	70003789	1	Coil	
18	70004579	1	Cartridge, Valve	
18	70004580	1	Seal Kit - 70004579 Valve	
19	70004581	1	Cartridge, Valve	
19	70004571	1	Seal Kit - 70004581 Valve	
20	7023985	1	Cartridge, Valve	
20	7017496	1	Seal Kit - 7023985 Valve	

FIGURE 2-4. SWING DRIVE INSTALLATION

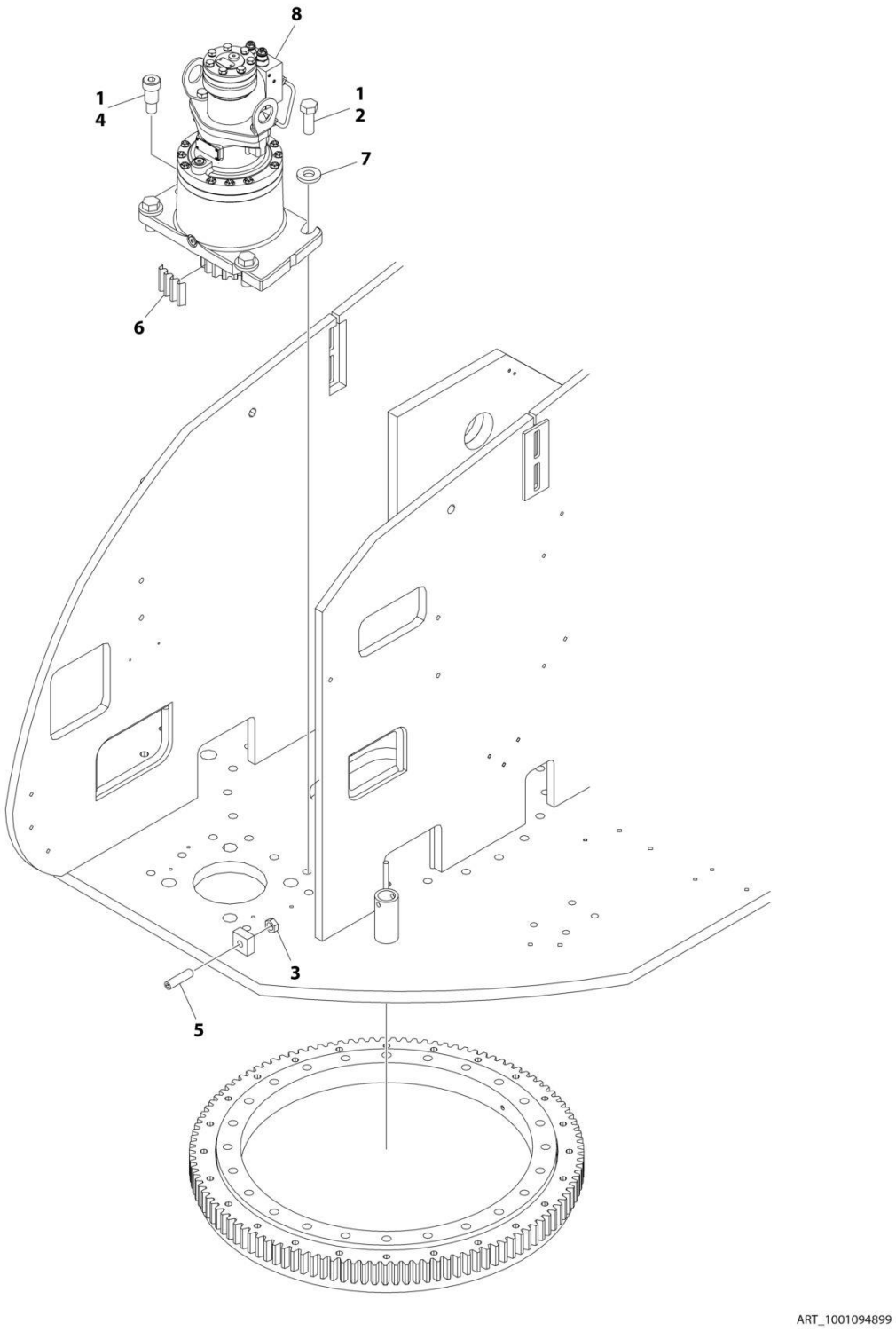
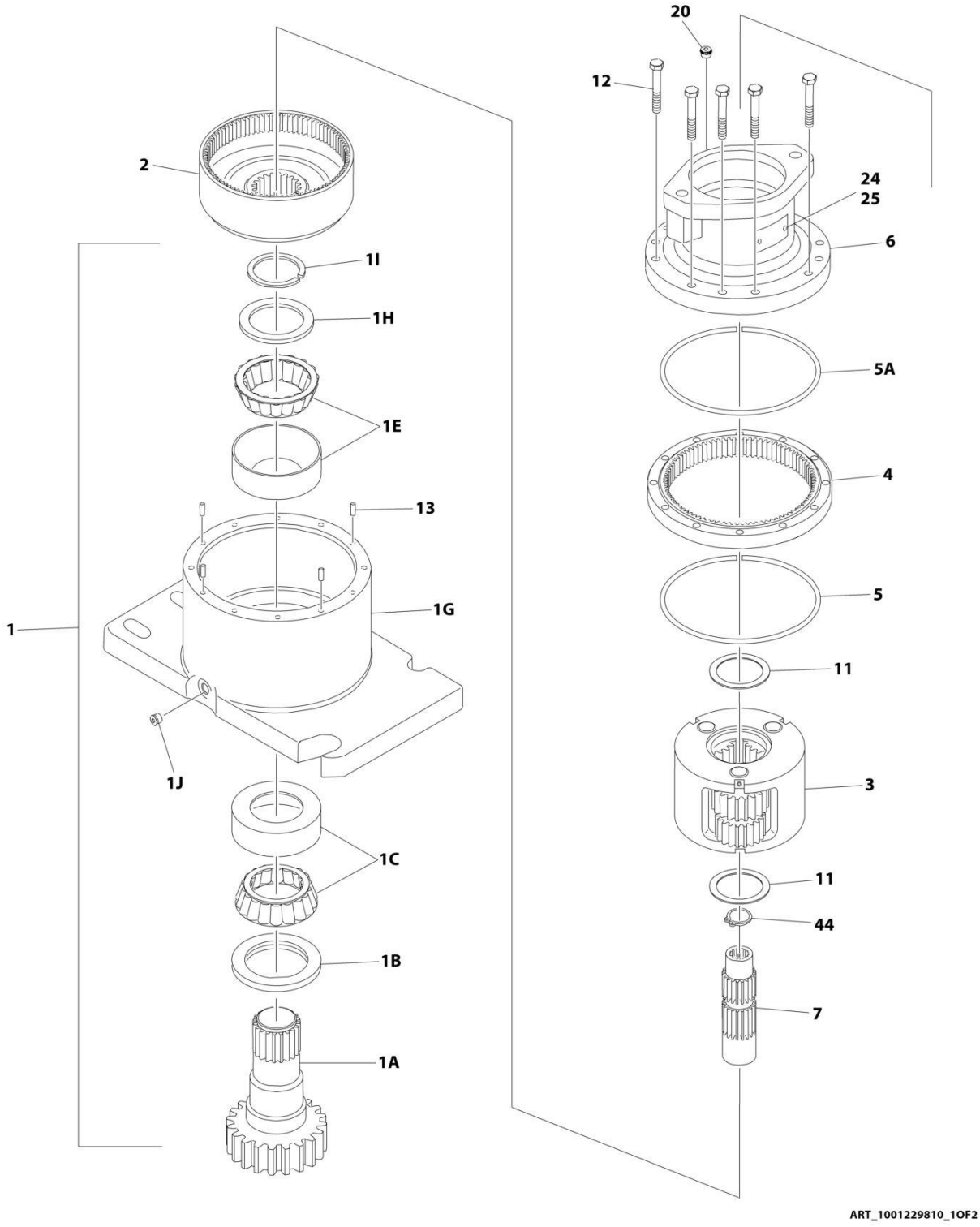
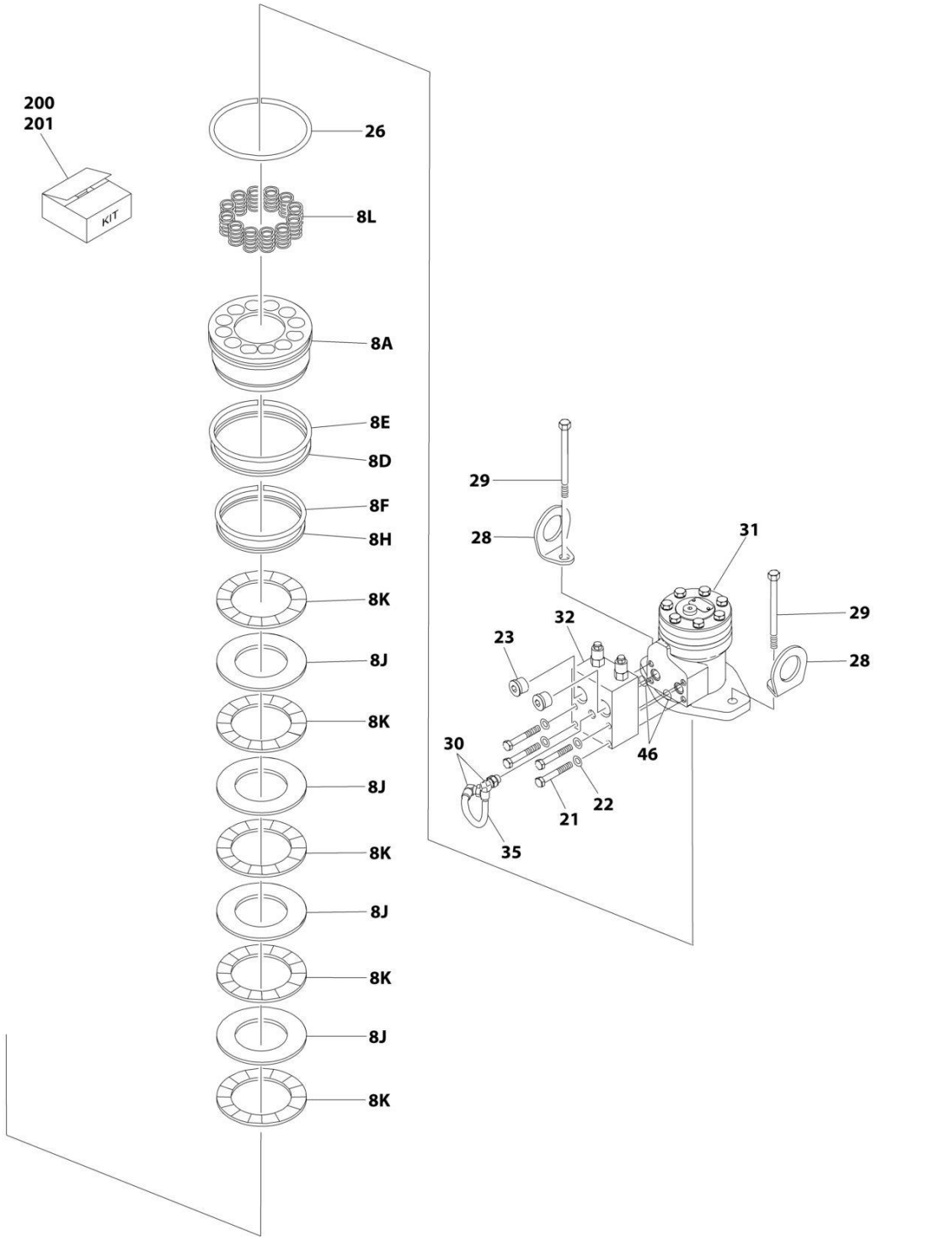


FIGURE 2-4. SWING DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001094899	Ref	SWING DRIVE INSTALLATION	E
1	0100019	AR	Compound, Locking	
2	0682216	4	Bolt 3/4 x 2 Grade 8	
3	3312002	1	Nut, Jam 3/4	
4	3900293	1	Bolt, Shoulder	
5	3952020	2	Setscrew 5/8 x 2-1/2	
6	1001125492	1	Shim	
7	4740057	4	Washer 3/4 Hardened	
8	1001229810	1	Swing Motor/Swing Hub Assembly (See Separate Breakdown in this Section)	

FIGURE 2-5. SWING MOTOR/HUB ASSEMBLY





ART_1001229810_2OF2

FIGURE 2-5. 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 2-6. TURNTABLE BEARING INSTALLATION

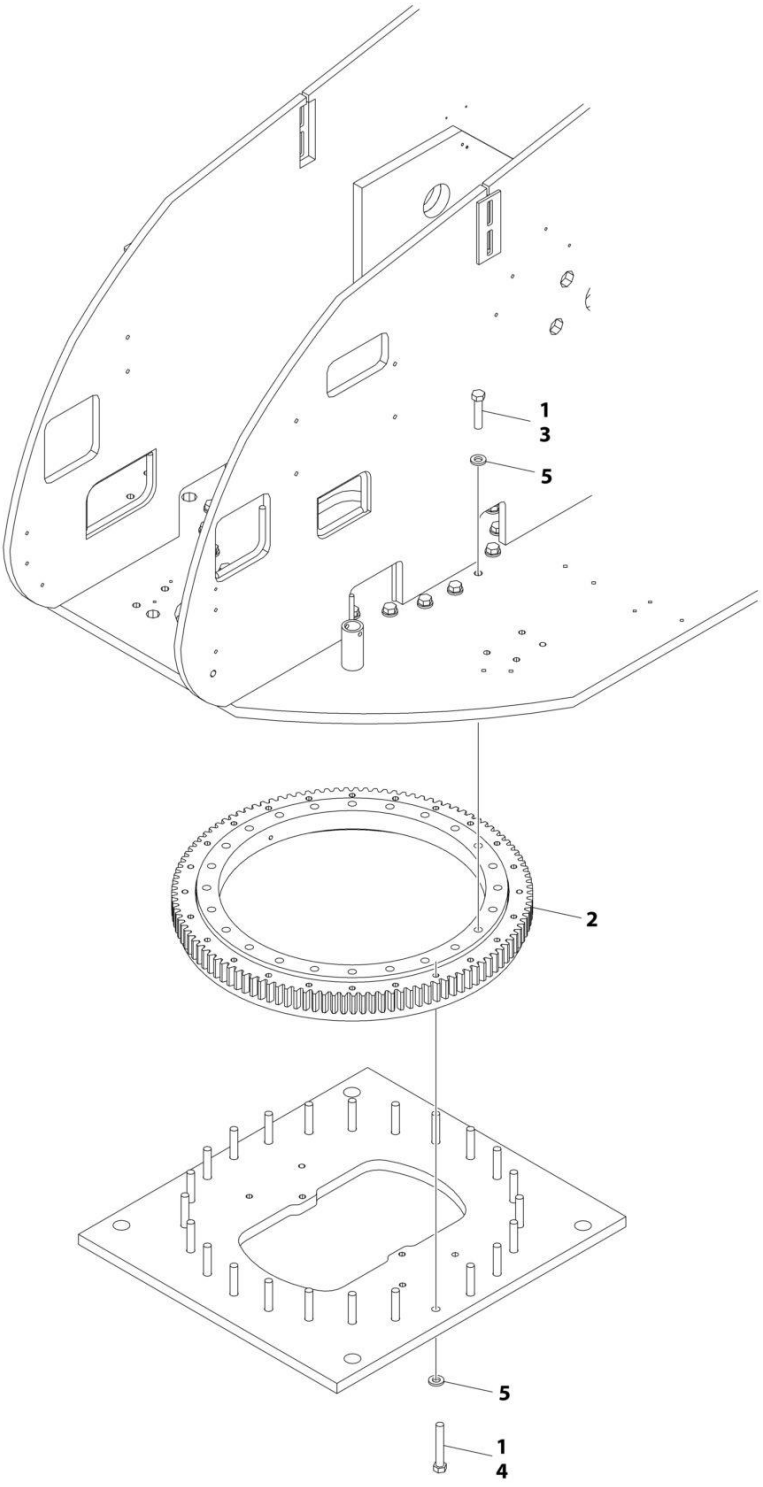


FIGURE 2-6. TURNTABLE BEARING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271002	Ref	TURNTABLE BEARING INSTALLATION	E
1	0100019	AR	Compound, Locking	
2	0440244	1	Bearing, Turntable	
3	0682023	24	Bolt 5/8 x 2-7/8 Grade 8	
4	0682032	24	Bolt 5/8 x 4 Grade 8	
5	4892000	48	Washer, 5/8 Hardened	

FIGURE 2-7. REMOTE BEARING LUBE INSTALLATION

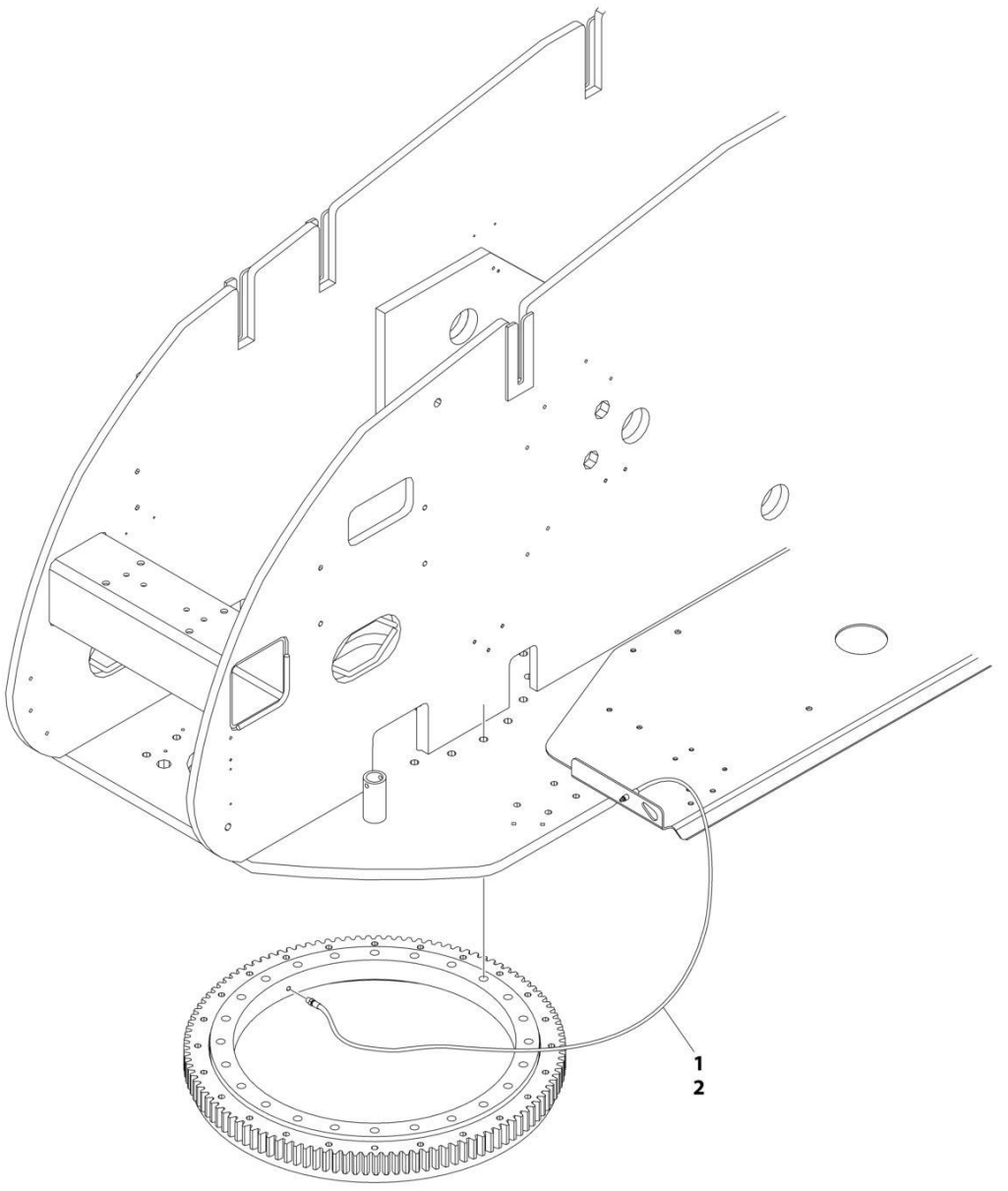


FIGURE 2-7. REMOTE BEARING LUBE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161076	Ref	REMOTE BEARING LUBE INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	1001188125	1	Hose and Fitting Assembly	

FIGURE 2-8. TURNTABLE LOCK INSTALLATION

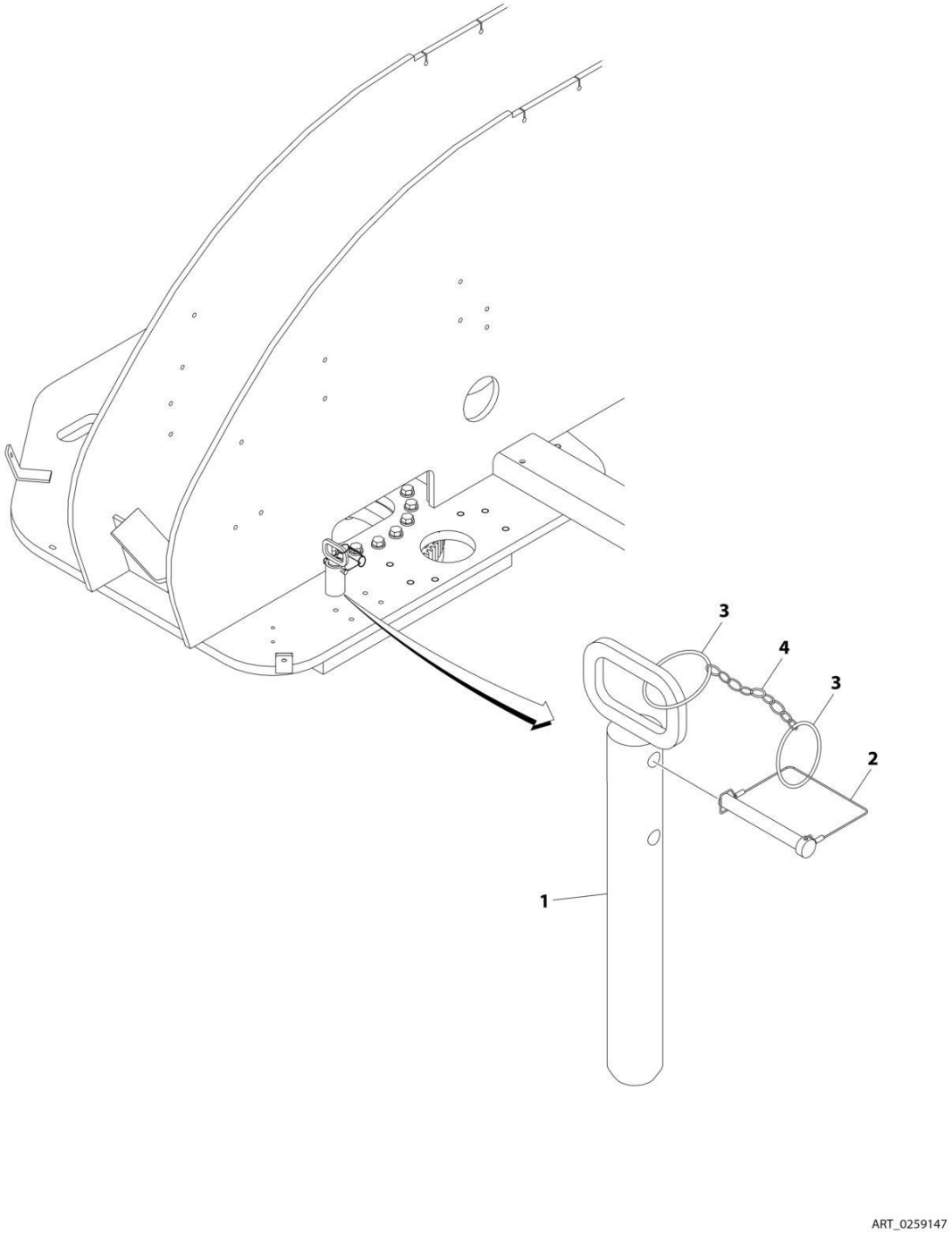


FIGURE 2-8. TURNTABLE LOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0259147	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 2-9. ROTARY COUPLING INSTALLATION

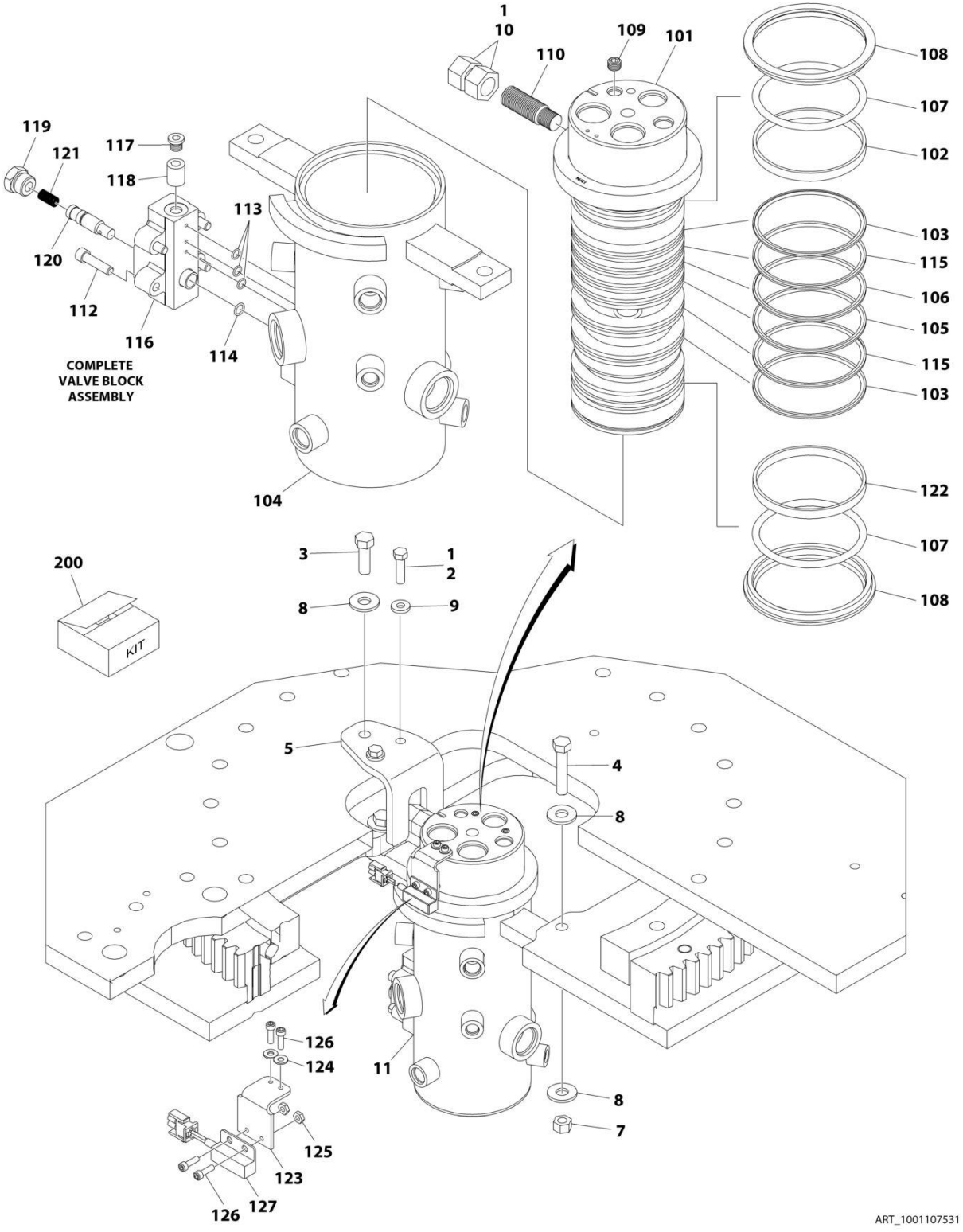


FIGURE 2-9. ROTARY COUPLING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107531	Ref	ROTARY COUPLING INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641611	2	Bolt 3/8 x 1-3/8	
3	0641812	1	Bolt 1/2 x 1-1/2	
4	0641820	2	Bolt 1/2 x 2-1/2	
5	0903242	1	Bracket	
7	3271805	2	Nut 1/2	
8	4751800	5	Washer 1/2 Regular	
9	4891600	2	Washer 3/8 Hardened	
10	3322201	2	Nut 3/4	
11	1001106974	1	Coupling, Rotary (See Items 101-128 for Breakdown)	
	1001106974	Ref	ROTARY COUPLING ASSEMBLY	B
101	1001106974	1	Body (Note: Not Available - Purchase Complete Assembly)	
102	70001248	1	Seal, Poly	
103	70001248	2	O-Ring/Seal	
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, Thrust	
108	7026504	2	Ring, Retaining	
109	80934561	2	Plug	
110	See Note	NSS	Lug, Torque (Note: Not Available for Purchase)	
112	7026197	4	Capscrew	
113	70001248	3	O-Ring	
114	70001248	1	O-Ring	
115	70001248	2	Bearing	
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	
122	70001248	1	Seal, Oil	
123	70003454	1	Bracket, Switch Mounting	
124	4711000	4	Washer #10	
125	See Note	NSS	Nut 1/4 (Note: Not Available for Purchase)	
126	See Note	NSS	Capscrew 1/4 (Note: Not Available for Purchase)	
127	4360517	1	Switch, Proximity	
128	See Note	AR	Protective Netting (Not Shown) (Note: Not Available for Purchase)	
200	70001248	Ref	Seal Kit - (Includes Items 102, 103, 105, 106, 113, 114, 115 & 122)	

FIGURE 2-10. TANK INSTALLATION - GAS ENGINES (HELGESEN 25 GAL HYDRAULIC TANK WITH 6IN DIA BREATHER)

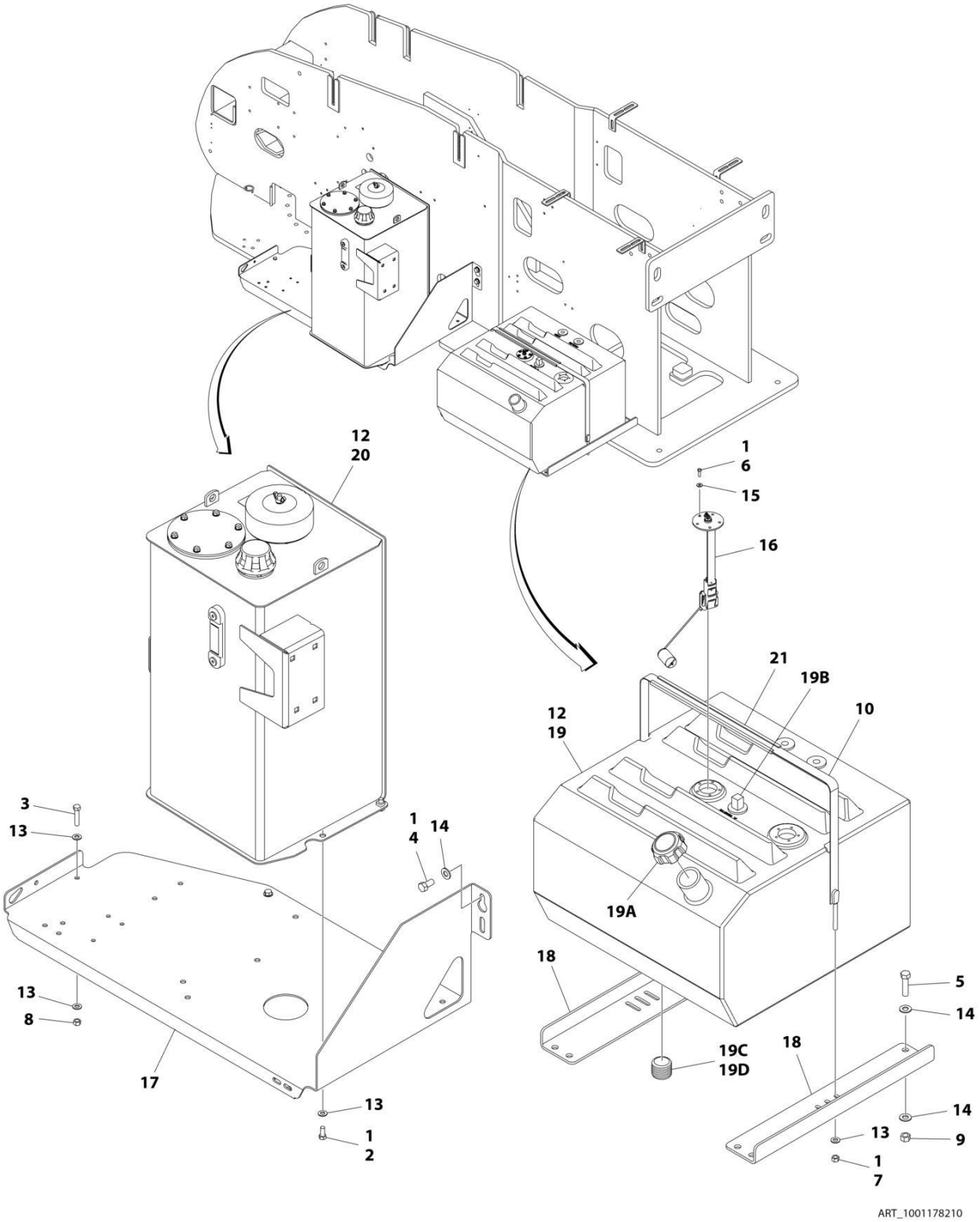


FIGURE 2-10. TANK INSTALLATION - GAS ENGINES (HELGESEN 25 GAL HYDRAULIC TANK WITH 6IN DIA BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178210	Ref	TANKS INSTALLATION – GAS ENGINES	D
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0641808	2	Bolt 1/2 x 1	
5	0641816	4	Bolt 1/2 x 2	
6	0731005	5	Capscrew #10 x 5/8	
7	3311601	2	Nut 3/8	
8	3311605	2	Nut 3/8	
9	3311805	4	Nut 1/2	
10	4240139	1	Strap, Tank Mounting	
12	4420038	6 ft/ 1.7m	Tape, Rubber	
13	4711600	10	Washer 3/8	
14	4711800	10	Washer 1/2	
15	4751000	5	Washer #10	
16	1001148607	1	Gauge, Fuel Level	
17	1001156805	1	Tray, Tank	
18	1001157056	2	Mount	
19	1001160559	1	Fuel Tank Assembly	
19A	1001211336	1	Cap	
19B	7020043	1	Tube, Pickup	
19C	2200222	1	Plug	
19D	0100020	AR	Sealant	
20	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
21	4060804	9 in/ 23 cm	Flex-Trim	

FIGURE 2-11. TANK INSTALLATION - GAS ENGINES (47.8 GAL CAPACITY HYDRAULIC TANK)

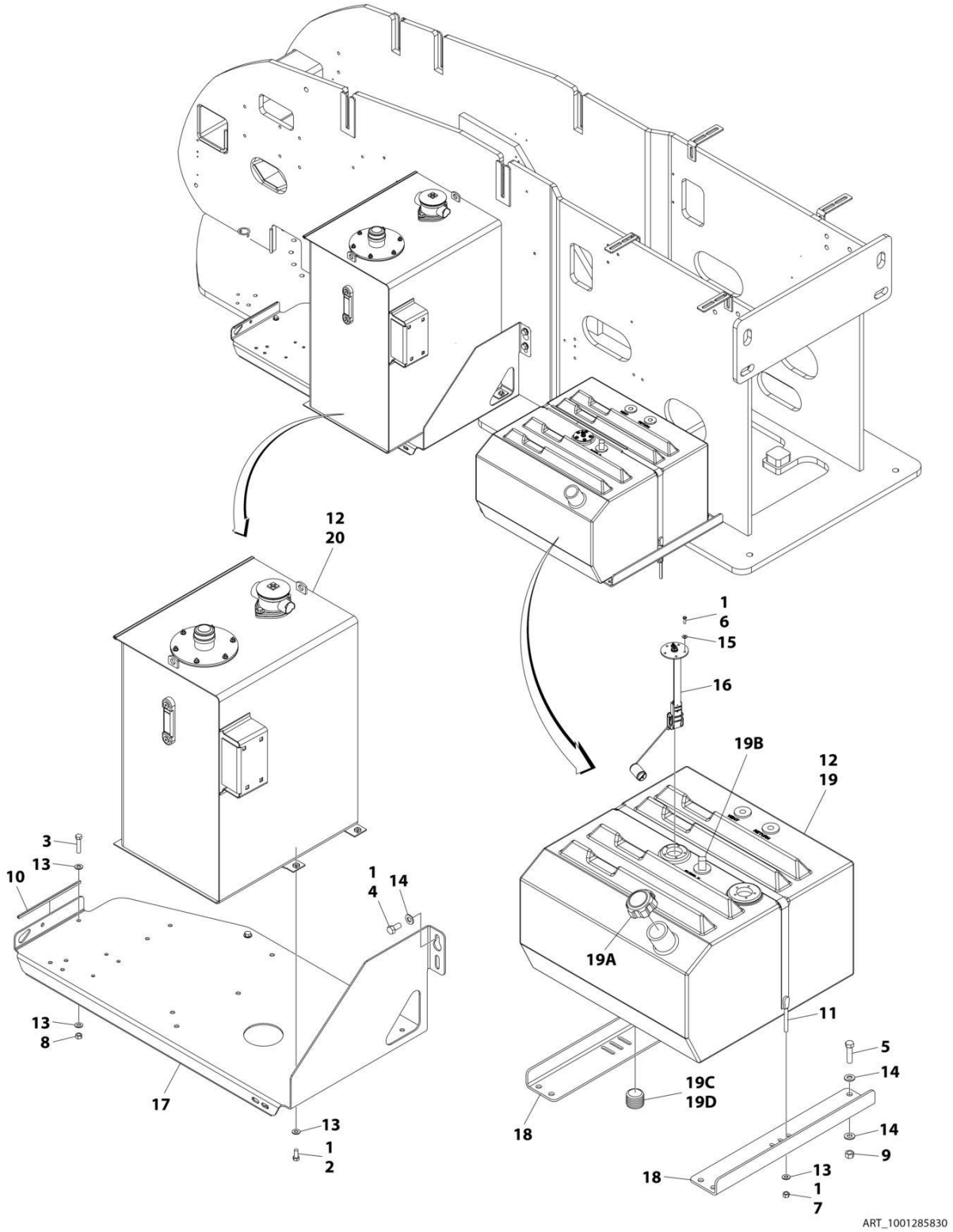


FIGURE 2-11. TANK INSTALLATION - GAS ENGINES (47.8 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285830	Ref	TANK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0641808	2	Bolt 1/2 x 1	
5	0641816	4	Bolt 1/2 x 2	
6	0731005	5	Capscrew #10 x 5/8	
7	3311601	2	Nut 3/8	
8	3311605	2	Nut 3/8	
9	3311805	4	Nut 1/2	
10	4060804	9 in/ 23cm	Flex-Trim	
11	4240139	1	Strap	
12	4420038	6 ft/ 1.7m	Tape, Rubber	
13	4711600	10	Washer 3/8	
14	4711800	10	Washer 1/2	
15	4751000	5	Washer #10	
16	1001148607	1	Sensor, Fuel	
17	1001156805	1	Tray, Tank	
18	1001157056	2	Mount	
19	1001160559	1	Fuel Tank	
19A	1001211336	1	Vented Fuel Cap	
19B	7020043	1	Tube, Pickup	
19C	2200222	1	Plug	
19D	0100020	1	Sealant	
20	1001285379	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-12. TANK INSTALLATION - DIESEL ENGINES (HELGESEN 25 GAL HYDRAULIC TANK WITH 6IN BREATHER)

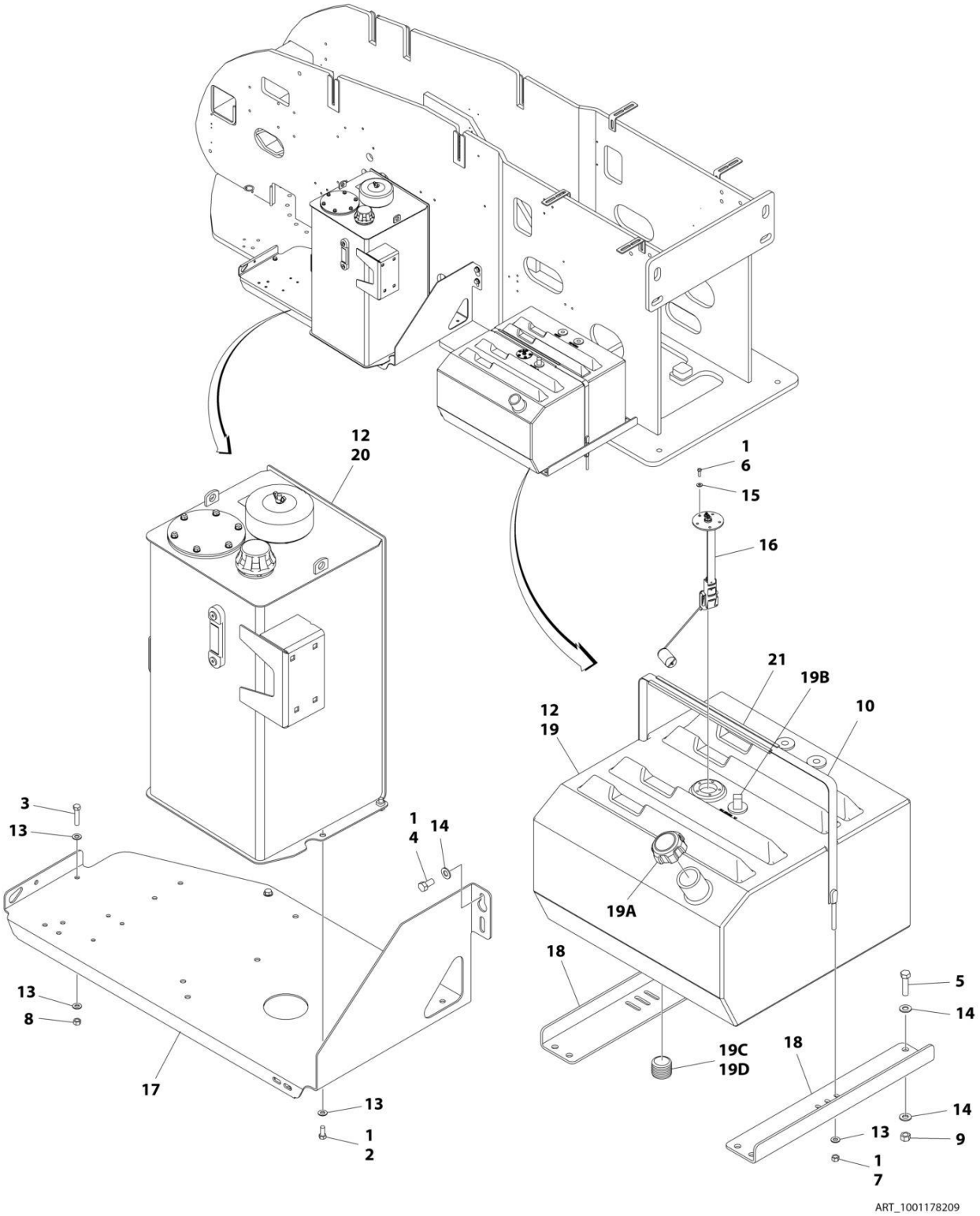


FIGURE 2-12. TANK INSTALLATION - DIESEL ENGINES (HELGESEN 25 GAL HYDRAULIC TANK WITH 6IN BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178209	Ref	TANKS INSTALLATION – DIESEL ENGINES	D
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0641808	2	Bolt 1/2 x 1	
5	0641816	4	Bolt 1/2 x 2	
6	0731005	5	Capscrew #10 x 5/8	
7	3311601	2	Nut 3/8	
8	3311605	2	Nut 3/8	
9	3311805	4	Nut 1/2	
10	4240139	1	Strap, Tank Mounting	
12	4420038	6 ft/1.7 m	Tape, Rubber	
13	4711600	10	Washer 3/8	
14	4711800	10	Washer 1/2	
15	4751000	5	Washer #10	
16	1001148607	1	Gauge, Fuel Level	
17	1001156805	1	Tray, Tank	
18	1001157056	2	Mount	
19	1001160567	1	Fuel Tank Assembly	
19A	70004414	1	Cap	
19B	7020043	1	Tube, Pickup	
19C	2200222	1	Plug	
19D	0100020	AR	Sealant	
20	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
21	4060804	9 in/23 cm	Flex-Trim	

FIGURE 2-13. TANK INSTALLATION - DIESEL ENGINES (JIANGYING 25 GAL HYDRAULIC TANK WITH 4IN DIA BREATHER)

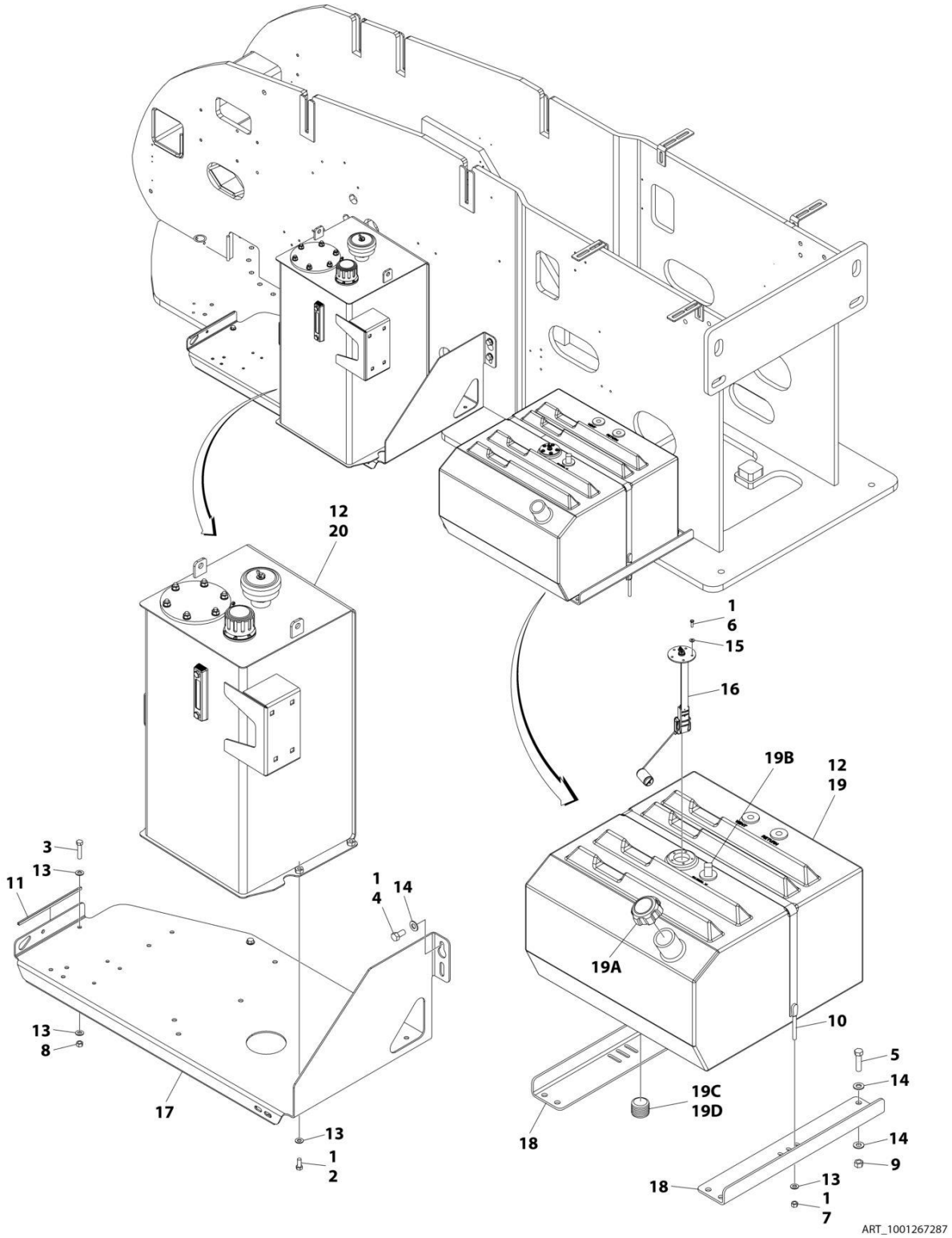


FIGURE 2-13. TANK INSTALLATION - DIESEL ENGINES (JIANGYING 25 GAL HYDRAULIC TANK WITH 4IN DIA BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267287	Ref	TANK INSTALLATION (Machines With SN Starting With B3)	B
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0641808	2	Bolt 1/2 x 1	
5	0641816	4	Bolt 1/2 x 2	
6	0731005	5	Capscrew #10 x 5/8	
7	3311601	2	Nut 3/8	
8	3311605	2	Nut 3/8	
9	3311805	4	Nut 1/2	
10	4240139	1	Strap	
11	4060804	9 in/ 23cm	Flex-Trim	
12	4420038	6 ft/ 1.7m	Tape, Rubber	
13	4711600	10	Washer 3/8	
14	4711800	10	Washer 1/2	
15	4751000	5	Washer #10	
16	1001148607	1	Sensor, Fuel	
17	1001156805	1	Tray, Tank	
18	1001157056	2	Mount	
19	1001160567	1	Fuel Tank	
19A	70004414	1	Cap	
19B	7020043	1	Tube, Pickup	
19C	2200222	1	Plug	
19D	0100020	1	Sealant	
20	1001267678	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-14. TANK INSTALLATION - DIESEL ENGINES (47.8 GAL CAPACITY HYDRAULIC TANK)

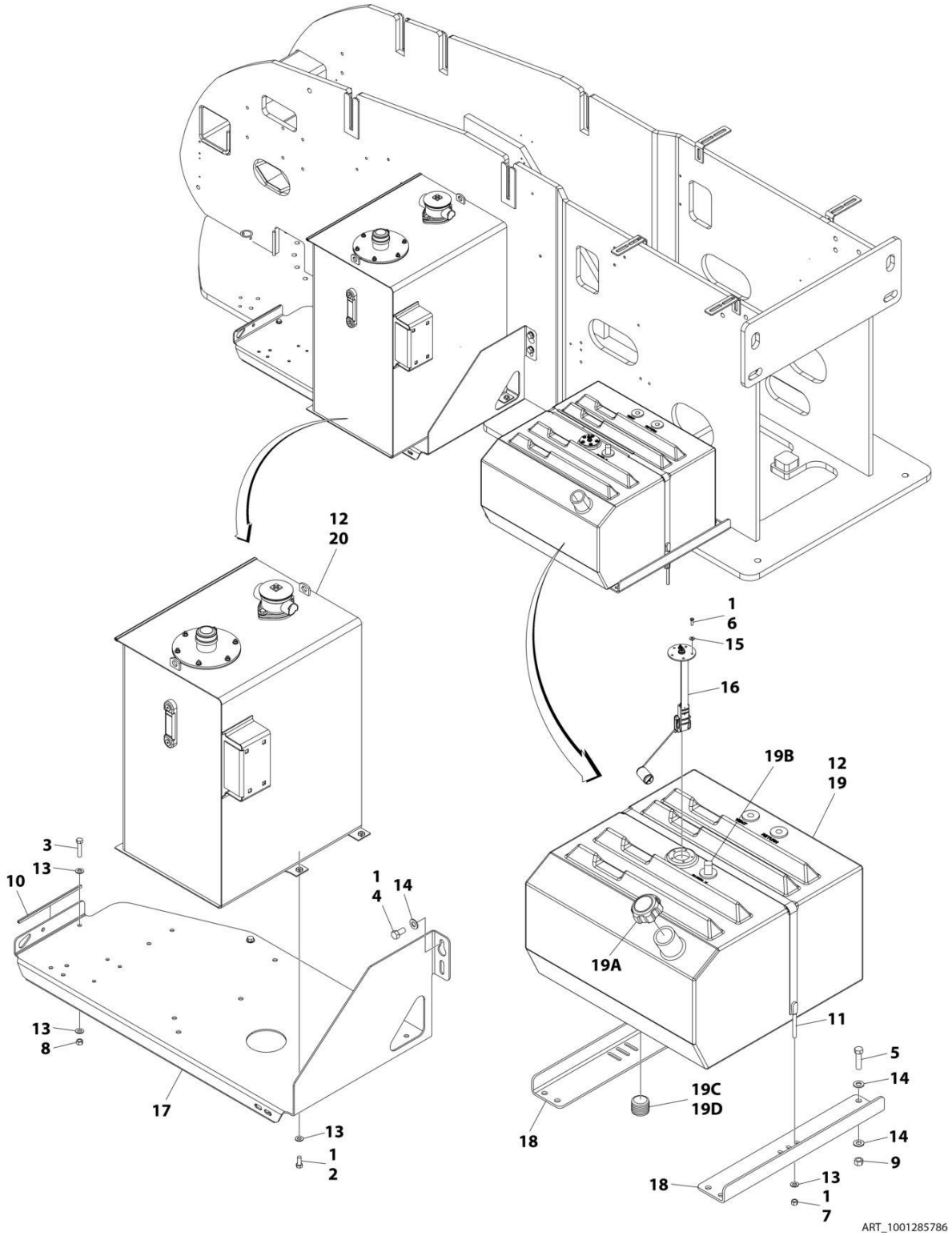


FIGURE 2-14. TANK INSTALLATION - DIESEL ENGINES (47.8 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285786	Ref	TANK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0641808	2	Bolt 1/2 x 1	
5	0641816	4	Bolt 1/2 x 2	
6	0731005	5	Capscrew #10 x 5/8	
7	3311601	2	Nut 3/8	
8	3311605	2	Nut 3/8	
9	3311805	4	Nut 1/2	
10	4060804	9 in/ 23cm	Flex-Trim	
11	4240139	1	Strap	
12	4420038	6 ft/ 1.7m	Tape, Rubber	
13	4711600	10	Washer 3/8	
14	4711800	10	Washer 1/2	
15	4751000	5	Washer #10	
16	1001148607	1	Sensor, Fuel	
17	1001156805	1	Tray, Tank	
18	1001157056	2	Mount	
19	1001160567	1	Fuel Tank	
19A	70004414	1	Cap	
19B	7020043	1	Tube, Pickup	
19C	2200222	1	Plug	
19D	0100020	1	Sealant	
20	1001285379	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-15. HYDRAULIC TANK ASSEMBLY (MACHINES WITH SN STARTING WITH 03)

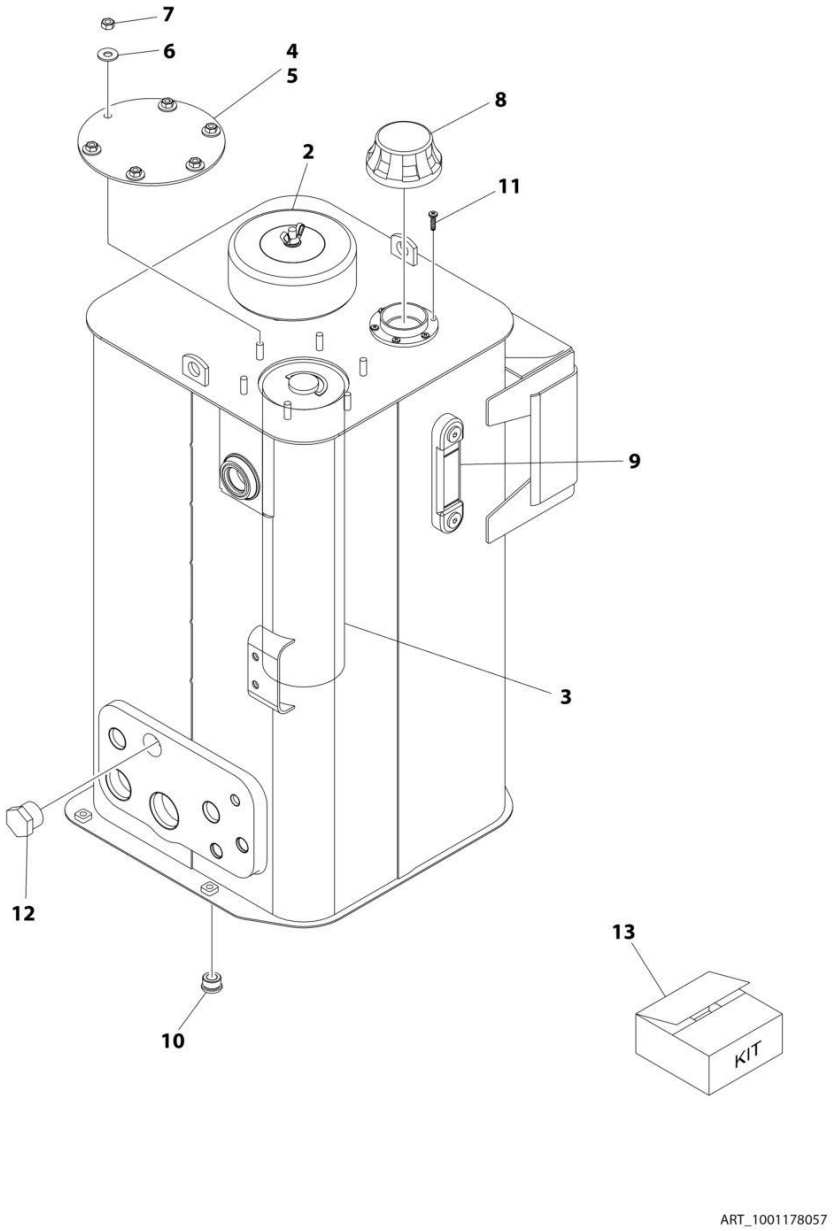


FIGURE 2-15. HYDRAULIC TANK ASSEMBLY (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178057	Ref	HYDRAULIC TANK ASSEMBLY	D
2	70005708	1	Breather Assembly (Includes Breather, Element and Wingnut)	
2	See Note	NSS	Element, Breather (Note: Use p/n 70005708 or Item 13)	
3	See Note	NSS	Element, Hydraulic (Note: Use Item 13)	
4	70002839	1	Gasket	
5	See Note	NSS	Cover (Note: Not Available for Purchase)	
6	83304173	6	Washer 5/16	
7	70004199	6	Nut 5/16	
8	70002838	1	Cap, Fill	
9	7024441	1	Gauge, Level	
10	70002112	1	Plug	
11	70004795	6	Screw #10 x 3/4	
12	See Note	NSS	Plug (Note: Not Available - Purchase Locally)	
13	70002814	1	Hydraulic Tank Service Kit (Includes Items 2-4)	

FIGURE 2-16. HYDRAULIC TANK ASSEMBLY (MACHINES WITH SN STARTING WITH B3)

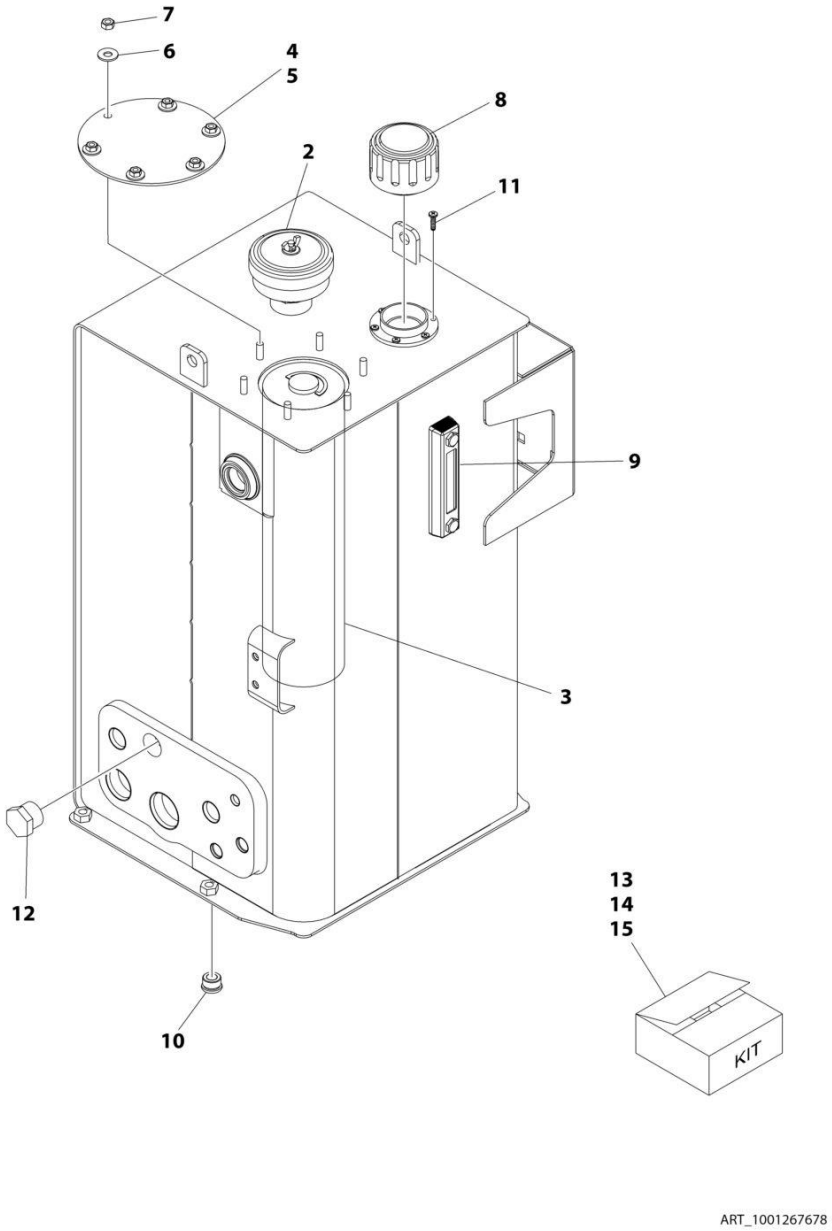
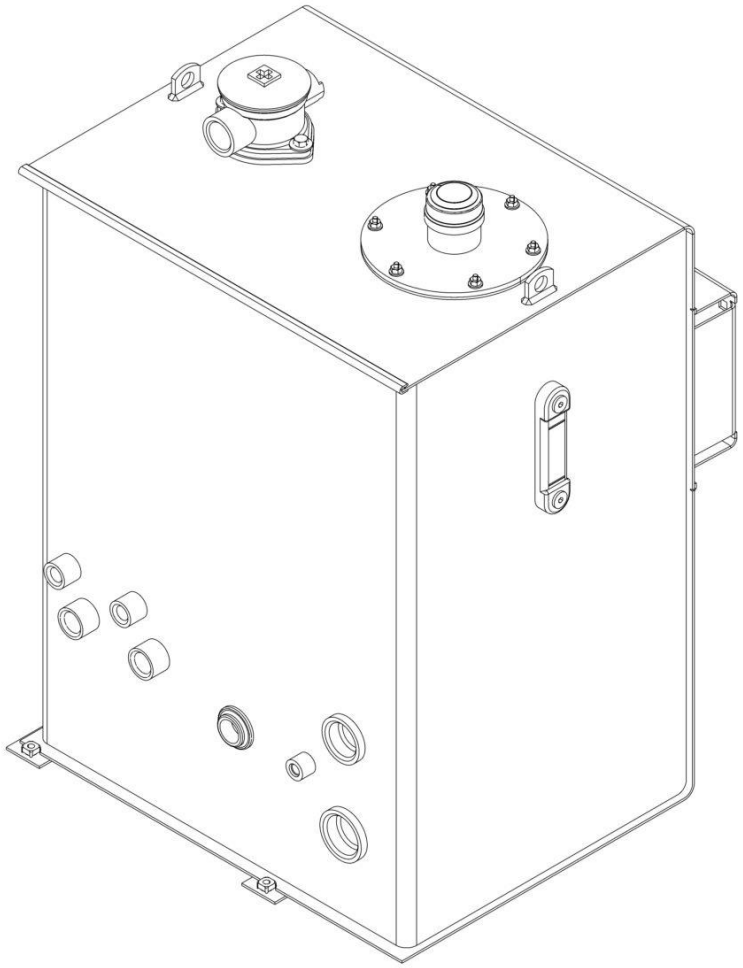


FIGURE 2-16. HYDRAULIC TANK ASSEMBLY (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267678	REF	HYDRAULIC TANK ASSEMBLY	A
1	See Note	NSS	Hydraulic Tank Weldment (Not Shown) (Note: Not Available for Purchase)	
2	See Note	NSS	Breather Assembly (Note: Use Item 13)	
3	See Note	NSS	Element, Filter (Note: Use Item Use Item 14)	
4	70002839	1	Gasket	
5	See Note	NSS	Cover (Note: Not Available for Purchase)	
6	83304173	6	Washer 1/4	
7	70004199	6	Nut 5/16	
8	70002838	1	Cap, Fill	
9	70024441	1	Gauge, Level	
10	70002112	1	Plug	
11	70004795	6	Screw 10 x 3/4	
12	See Note	NSS	Plug (Note: Not Available for Purchase)	
13	70007726	1	Breather Kit (Note: Includes Item 2)	
14	70007727	1	Return Filter Kit (Note: Includes Item 3)	
15	70007725	1	Level Gauge Kit	

FIGURE 2-17. HYDRAULIC TANK ASSEMBLY (47.8 GAL CAPACITY HYDRAULIC TANK)



ART_1001285379

FIGURE 2-17. HYDRAULIC TANK ASSEMBLY (47.8 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285379	Ref	HYDRAULIC TANK ASSEMBLY	B
	See Note	Ref	Note: No Service Parts Available at Time of Printing	

FIGURE 2-18. AUXILIARY PUMP WITH BATTERY WITHOUT BATTERY DISCONNECT SWITCH INSTALLATION (SN STARTING WITH 03)

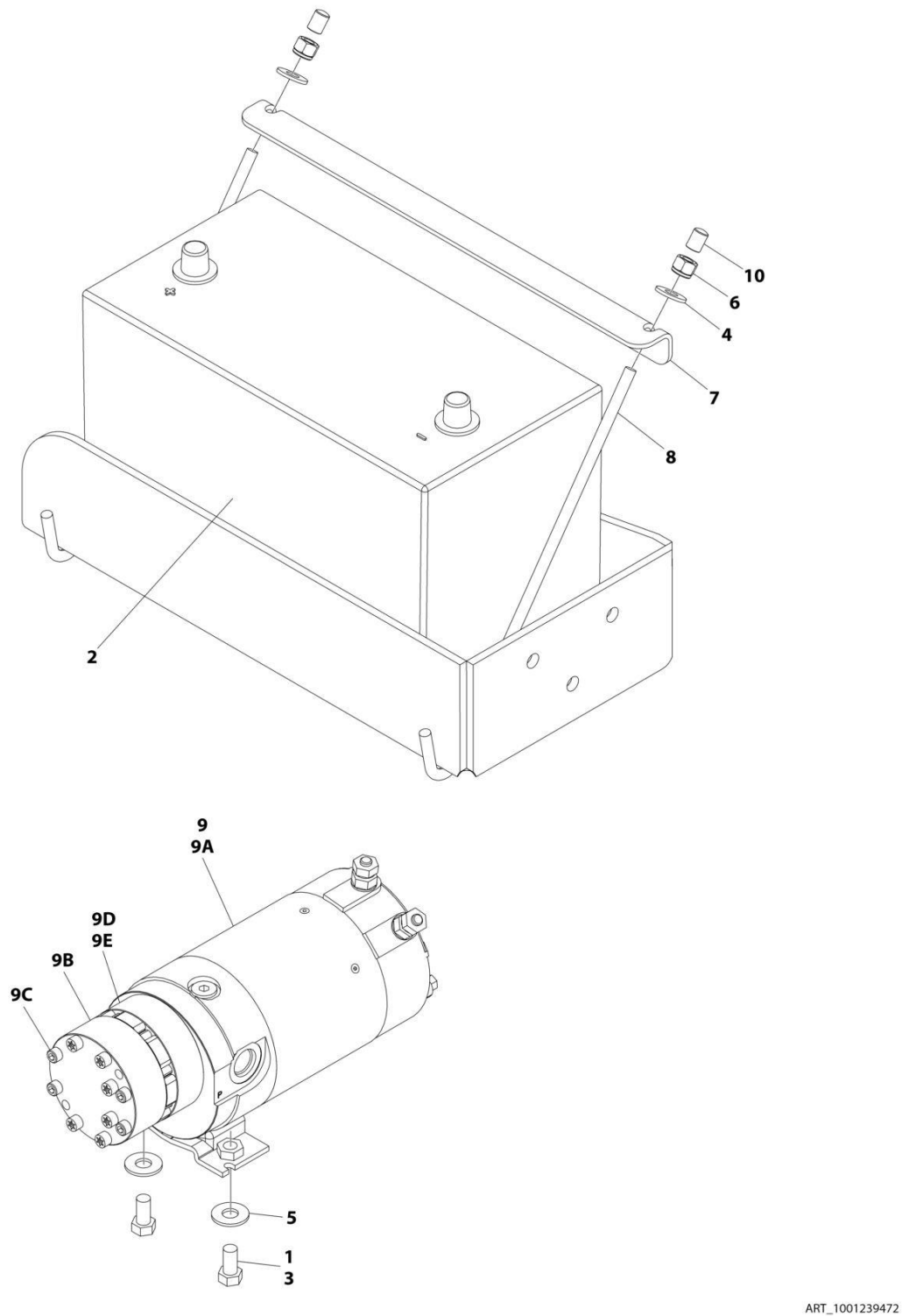


FIGURE 2-18. AUXILIARY PUMP WITH BATTERY WITHOUT BATTERY DISCONNECT SWITCH INSTALLATION (SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239472	Ref	AUXILIARY PUMP WITH BATTERY WITHOUT BATTERY DISCONNECT SWITCH INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0641606	2	Bolt 3/8 x 3/4	
4	4751500	2	Washer 5/16	
5	4751600	2	Washer 3/8	
6	88521205	2	Nut 5/16	
7	91401281	1	Hold-down, Battery	
8	1001093382	2	Bolt, Battery Hold-down	
9	1001137459	1	Auxiliary Pump Assembly	
9A	70003998	1	Motor	
9B	70004266	1	Pump	
9C	70001020	4	Screw	
9D	70003612	2	O-Ring	
9E	70004267	1	O-Ring	
10	1001218572	2	Cap, Vinyl	

FIGURE 2-19. AUXILIARY PUMP WITH BATTERY WITHOUT BATTERY DISCONNECT SWITCH INSTALLATION (SN STARTING WITH B3)

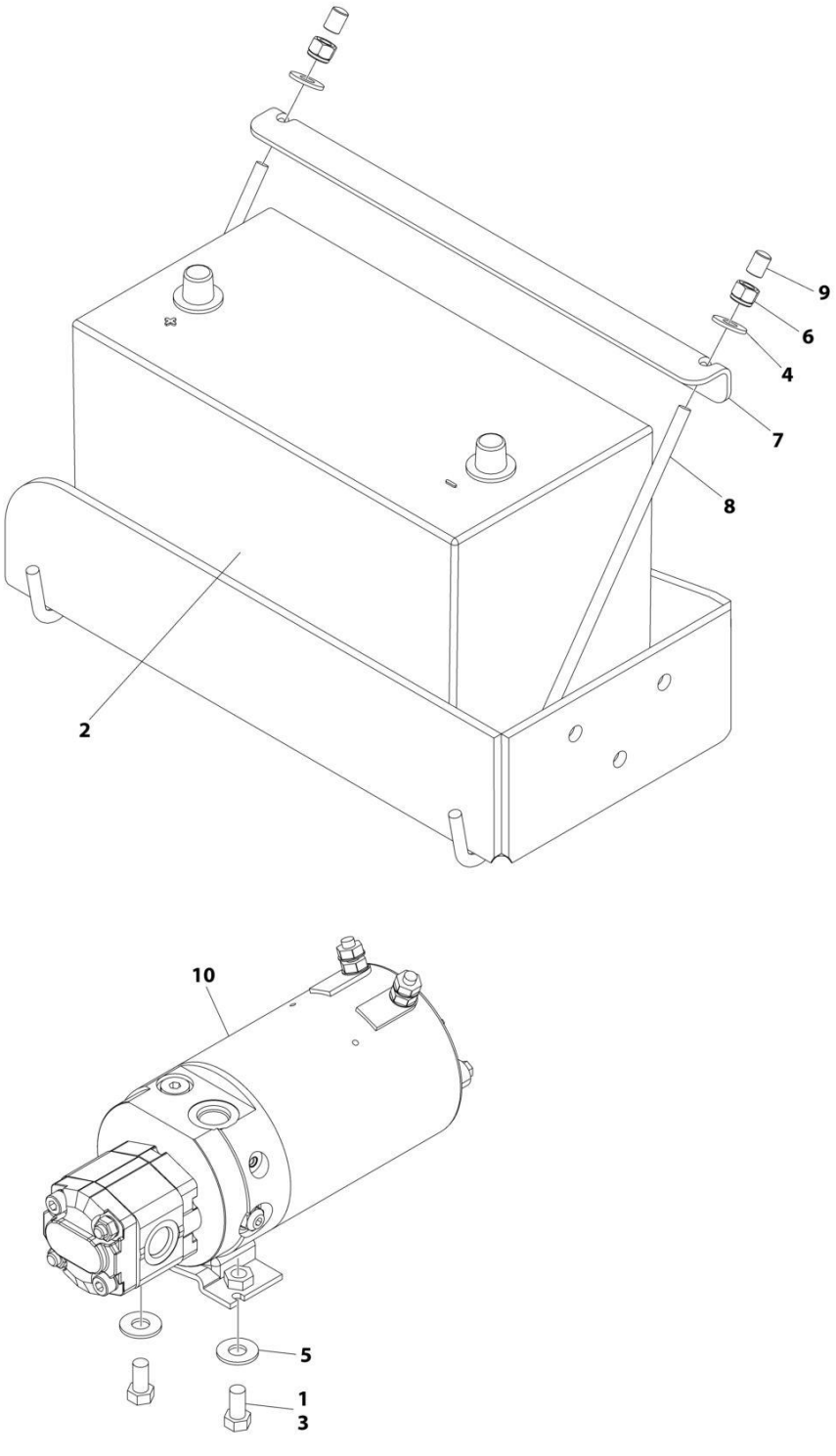


FIGURE 2-19. AUXILIARY PUMP WITH BATTERY WITHOUT BATTERY DISCONNECT SWITCH INSTALLATION (SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284157	Ref	AUXILIARY PUMP WITHOUT BATTERY DISCONNECT SWITCH INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0761010	2	Bolt M10 x 20	
4	4751500	2	Washer 5/16	
5	4812002	2	Washer M10	
6	88521205	2	Nut 5/16	
7	91401281	1	Hold-down, Battery	
8	1001093382	2	Bolt, Battery Hold-down	
9	1001218572	2	Cap, Vinyl	
10	1001284156	1	Auxiliary Pump Assembly	

FIGURE 2-20. AUXILIARY PUMP WITH BATTERY WITH BATTERY DISCONNECT SWITCH INSTALLATION (SN STARTING WITH 03)

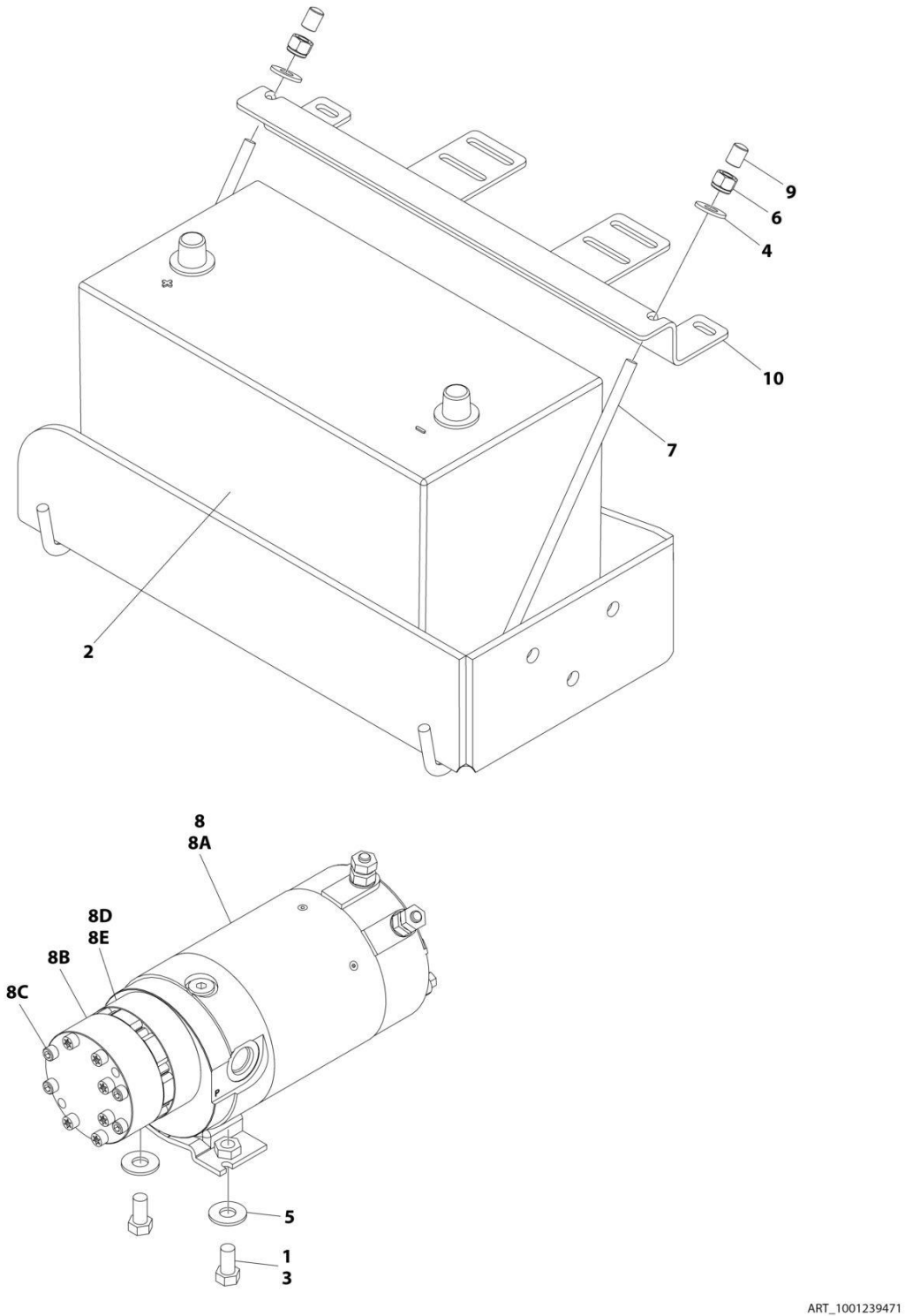


FIGURE 2-20. AUXILIARY PUMP WITH BATTERY WITH BATTERY DISCONNECT SWITCH INSTALLATION (SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239471	Ref	AUXILIARY PUMP WITH BATTERY WITH BATTERY DISCONNECT SWITCH INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0641606	2	Bolt 3/8 x 3/4	
4	4751500	2	Washer 5/16	
5	4751600	2	Washer 3/8	
6	88521205	2	Nut 5/16	
7	1001093382	2	Bolt, Battery Hold-down	
8	1001137459	1	Auxiliary Pump Assembly	
8A	70003998	1	Motor	
8B	70004266	1	Pump	
8C	70001020	4	Screw	
8D	70003612	2	O-Ring	
8E	70004267	1	O-Ring	
9	1001218572	2	Cap, Vinyl	
10	1001236303	1	Hold-down, Battery	

FIGURE 2-21. AUXILIARY PUMP WITH BATTERY WITH BATTERY DISCONNECT SWITCH INSTALLATION (SN STARTING WITH B3)

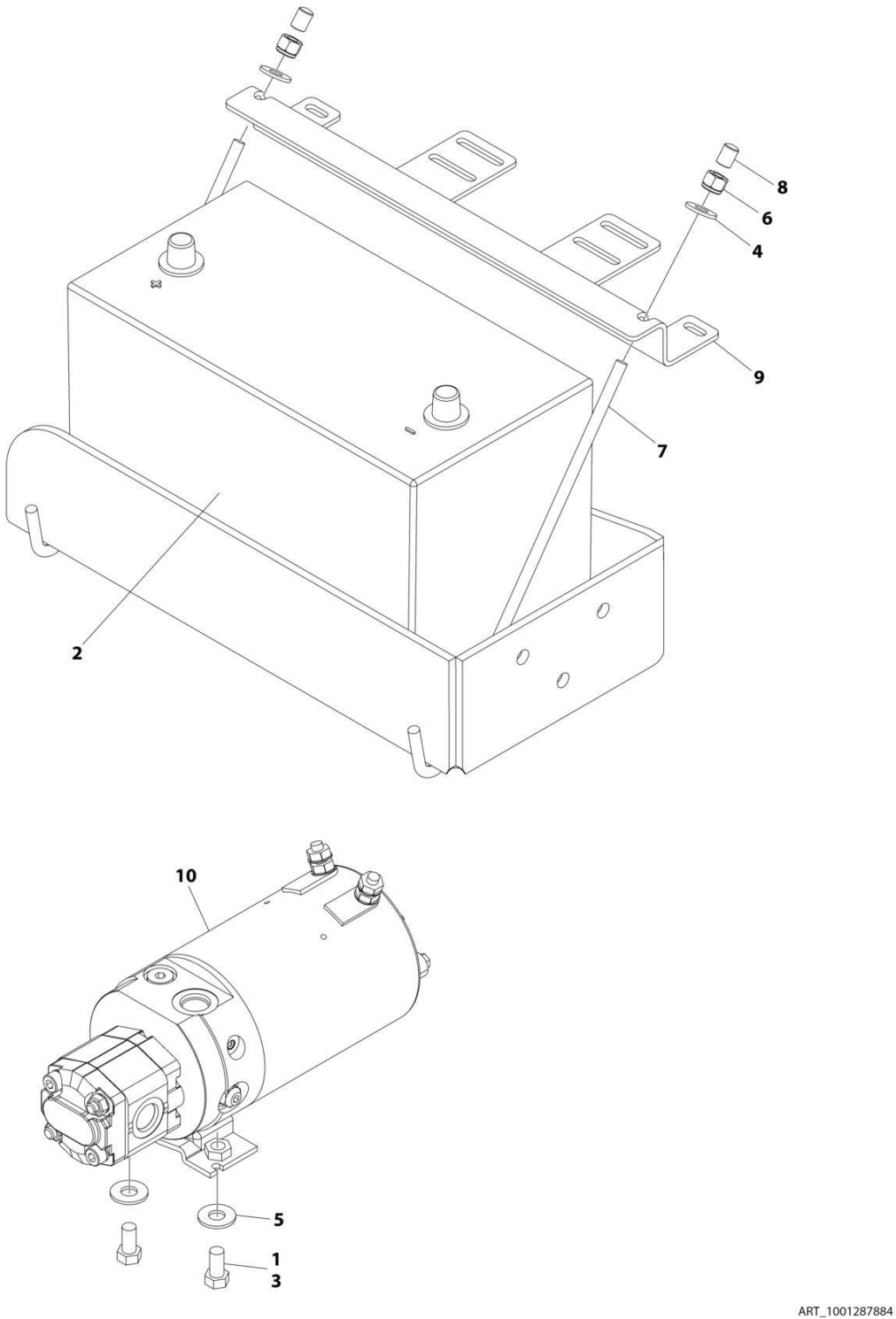


FIGURE 2-21. AUXILIARY PUMP WITH BATTERY WITH BATTERY DISCONNECT SWITCH INSTALLATION (SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287884	Ref	AUXILIARY PUMP WITH BATTERY DISCONNECT SWITCH INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0761010	2	Bolt M10 x 20	
4	4751500	2	Washer 5/16	
5	4812002	2	Washer M10	
6	88521205	2	Nut 5/16	
7	1001093382	2	Bolt, Battery Hold-down	
8	1001218572	2	Cap, Vinyl	
9	1001236303	1	Hold-down, Battery	
10	1001284156	1	Auxiliary Pump Assembly	

FIGURE 2-22. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 - WITH DIGITAL DISPLAY (ANSI EXPORT (LRC) SPECS) (800S HC3)

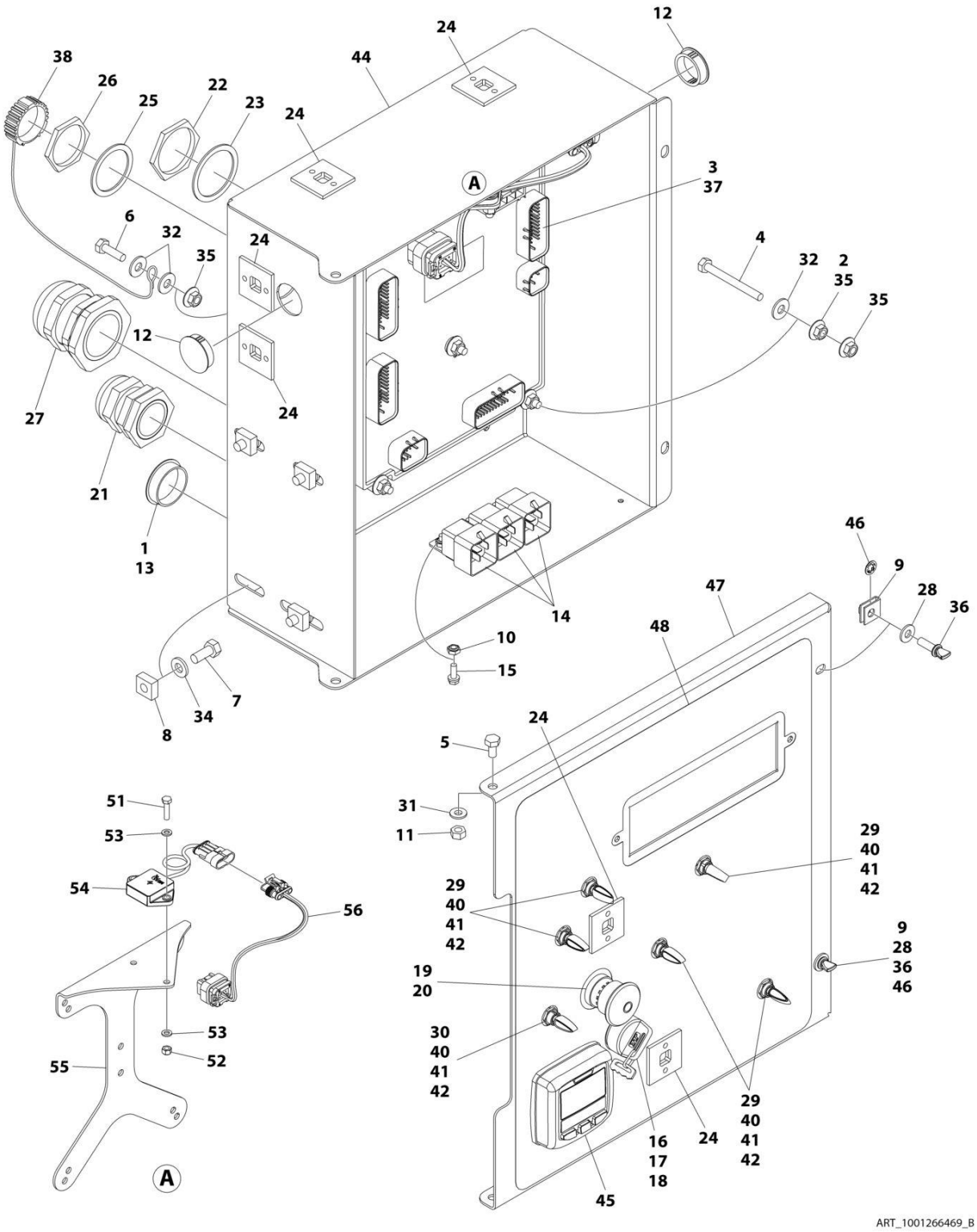


FIGURE 2-22. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 - WITH DIGITAL DISPLAY (ANSI EXPORT (LRC) SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266469	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	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	5	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001154324	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
40	1001155043	6	Washer	
41	1001155044	6	Nut 15/32	
42	1001155045	6	Switch, Toggle	
43	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001169234	1	Plate	
45	1001171482	1	Gauge, Display	
46	1001188874	2	Nut	
47	1001263352	1	Plate	
48	1001266479	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-23. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (800S HC3) (Prior to SN 0300298220, Excluding 0300295807)

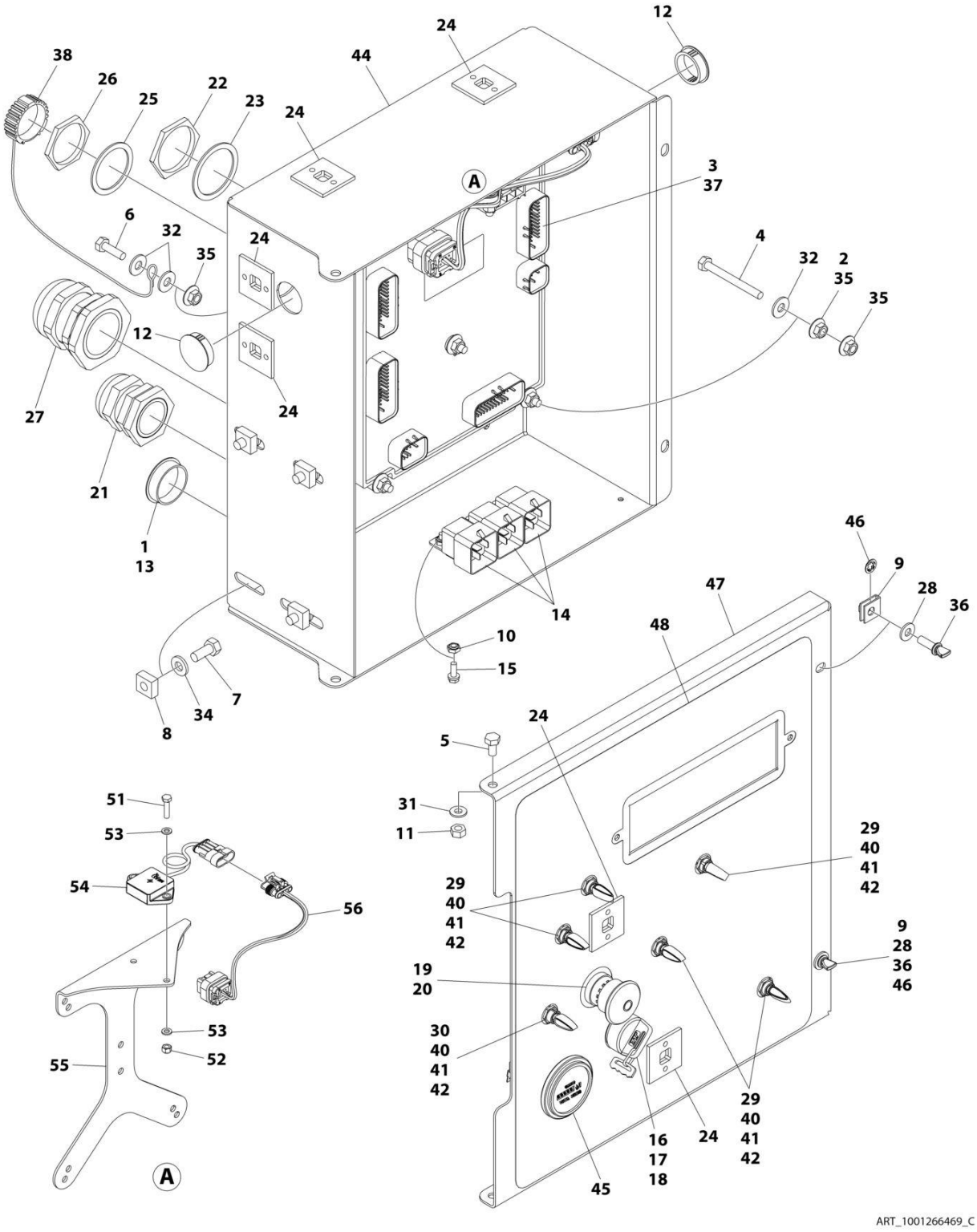


FIGURE 2-23. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (800S HC3) (Prior to SN 0300298220, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266469	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	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	5	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001154324	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
40	1001155043	6	Washer	
41	1001155044	6	Nut 15/32	
42	1001155045	6	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001169234	1	Plate	
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001280403	1	Plate	
48	1001266479	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-24. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (800S HC3) (SN 0300298220 to Present, Including 0300295807)

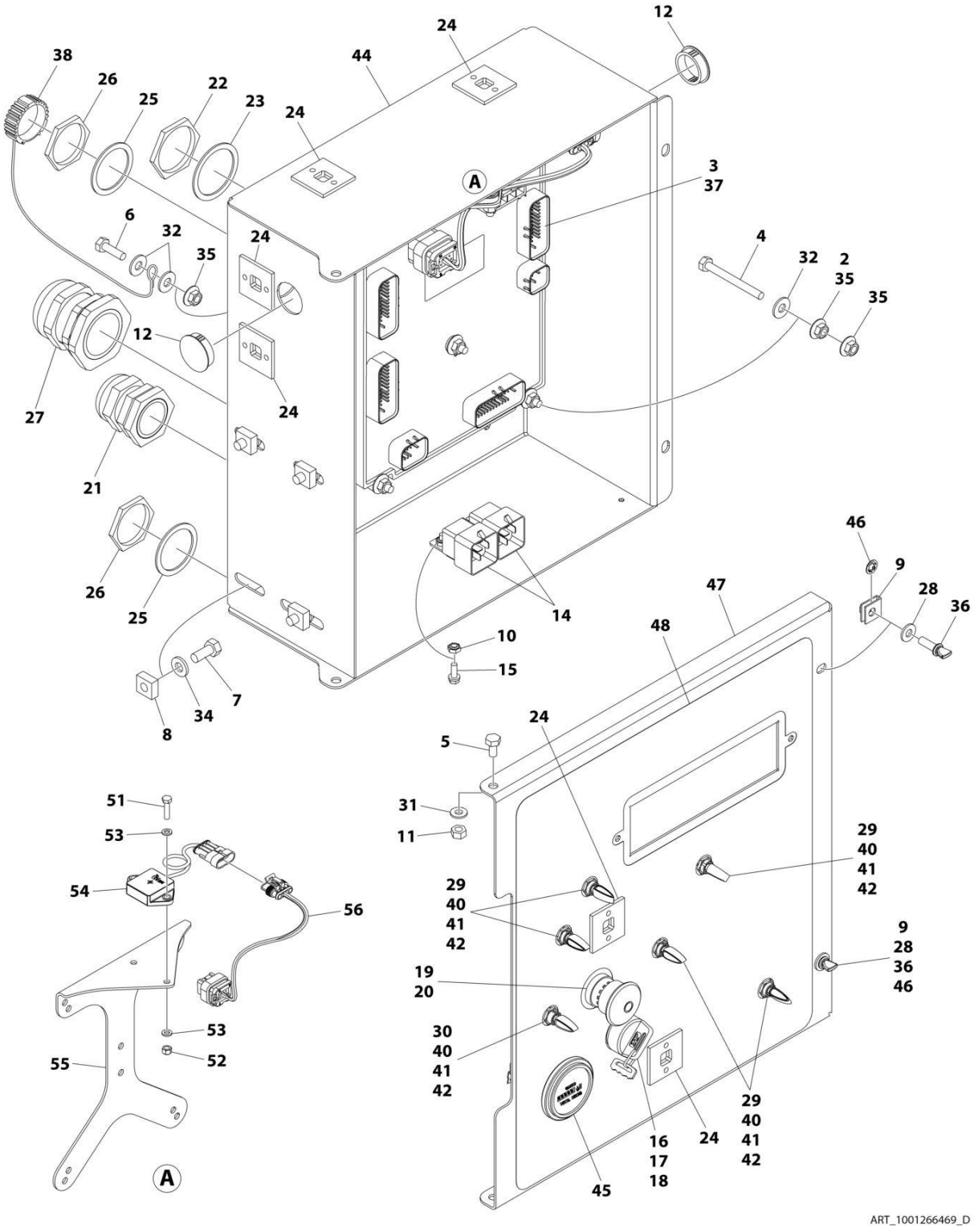


FIGURE 2-24. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (800S HC3) (SN 0300298220 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266469	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	5	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001285515	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
40	1001155043	6	Washer	
41	1001155044	6	Nut 15/32	
42	1001155045	6	Switch, Toggle	
43	1001284973	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001287464	1	Plate	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001280403	1	Plate	
48	1001266479	1	Decal - Ground Control Box	
49	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
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 - WITH DEUTZ D2011 (RUSSIA AND UK CA (LRC) SPECS) (800S HC3) (Prior to SN 0300298220, Excluding 0300295807)

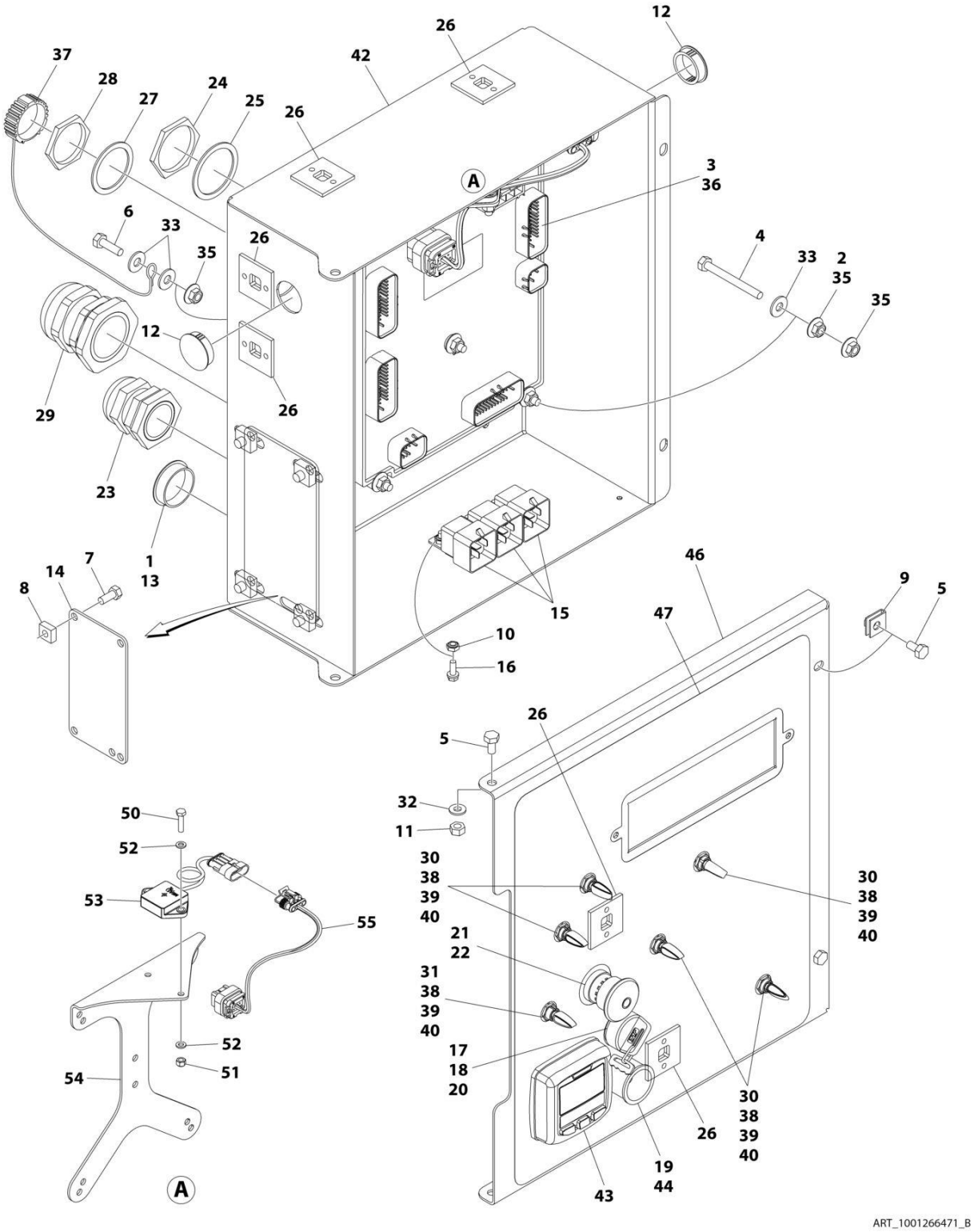


FIGURE 2-25. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (RUSSIA AND UK CA (LRC) SPECS) (800S HC3) (Prior to SN 0300298220, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266471	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	
5	0641404	4	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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3539219	1	Plate	
15	3740049	3	Relay	
16	3900268	3	Bolt #10 x 1/2	
17	3910804	6	Screw #8 x 1/4	
18	4070991	1	Shim	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1 Set	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	Lockwasher, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	1	Washer, Terminal	
28	4460497	1	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4740397	5	Spacer	
31	4740444	1	Washer	
32	4740518	2	Washer	
33	4751400	7	Washer 1/4	
35	77143013	11	Nut 1/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001155043	6	Washer	
39	1001155044	6	Nut 15/32	
40	1001155045	6	Switch, Toggle	
41	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001169234	1	Plate	
43	1001171482	1	Gauge, Display	
44	1001176469	1	Shroud	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001243559	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
46	1001263353	1	Plate	
47	1001266481	1	Decal - Ground Control Box	
48	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut, Lock M6	
52	4811700	4	Washer M6	
53	1001219601	1	Sensor, Tilt	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-26. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (RUSSIA AND UK CA (LRC) SPECS) (800S HC3) (SN 0300298220 to Present, Including 0300295807)

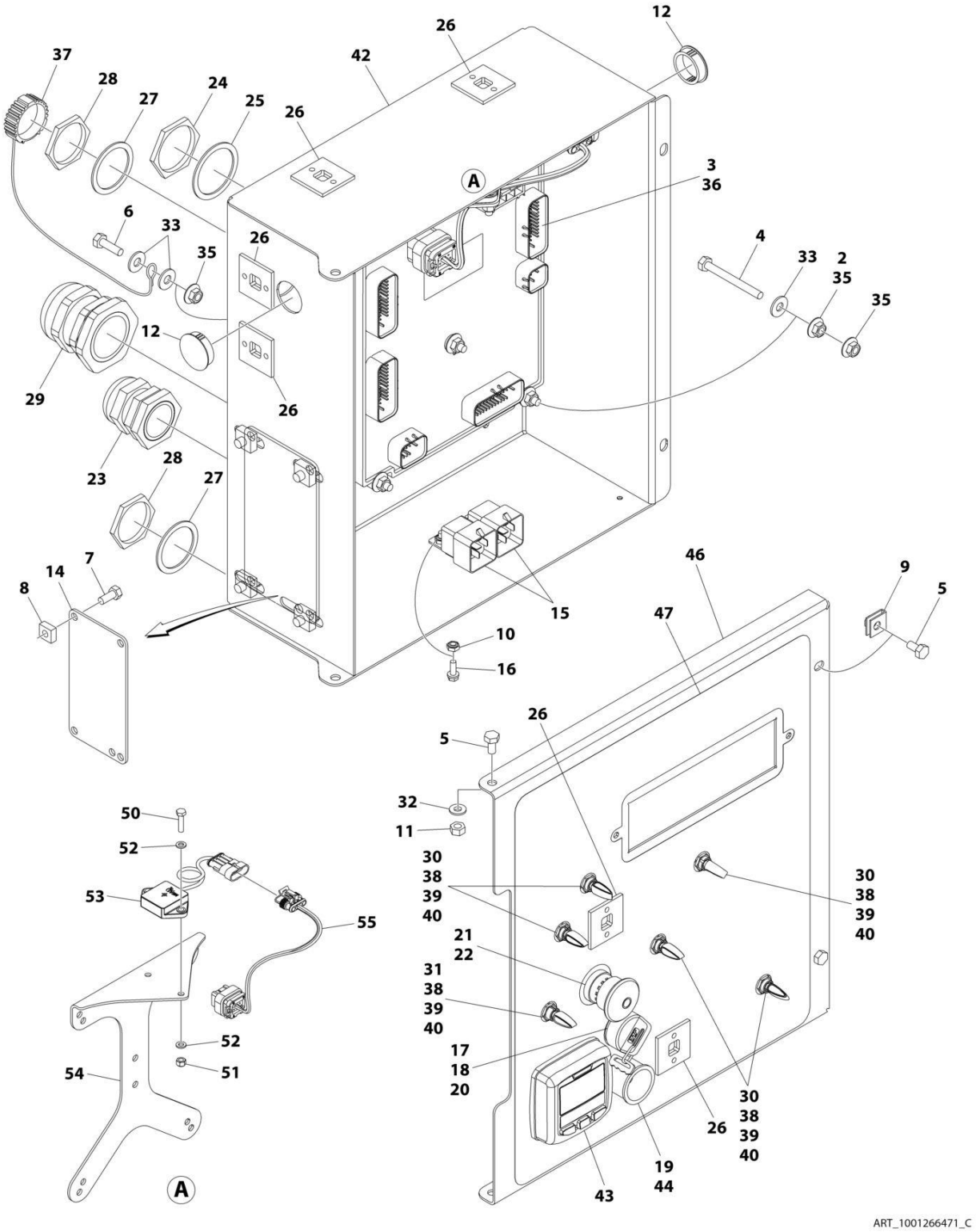


FIGURE 2-26. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (RUSSIA AND UK CA (LRC) SPECS) (800S HC3) (SN 0300298220 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266471	Ref	GROUND CONTROL BOX ASSEMBLY	C
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	4	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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3539219	1	Plate	
15	3740049	2	Relay	
16	3900268	2	Bolt #10 x 1/2	
17	3910804	6	Screw #8 x 1/4	
18	4070991	1	Shim	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1 Set	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	Lockwasher, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	2	Washer, Terminal	
28	4460497	2	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4740397	5	Spacer	
31	4740444	1	Washer	
32	4740518	2	Washer	
33	4751400	7	Washer 1/4	
35	77143013	11	Nut 1/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001155043	6	Washer	
39	1001155044	6	Nut 15/32	
40	1001155045	6	Switch, Toggle	
41	1001284973	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001287464	1	Plate	
43	1001171482	1	Gauge, Display	
44	1001176469	1	Shroud	
45	1001286027	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001263353	1	Plate	
47	1001266481	1	Decal - Ground Control Box	
48	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut, Lock M6	
52	4811700	4	Washer M6	
53	1001219601	1	Sensor, Tilt	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-27. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH DIGITAL DISPLAY (ANSI, ANSI EXPORT (HRC), CSA AND JAPANESE SPECS) (800S HC3)

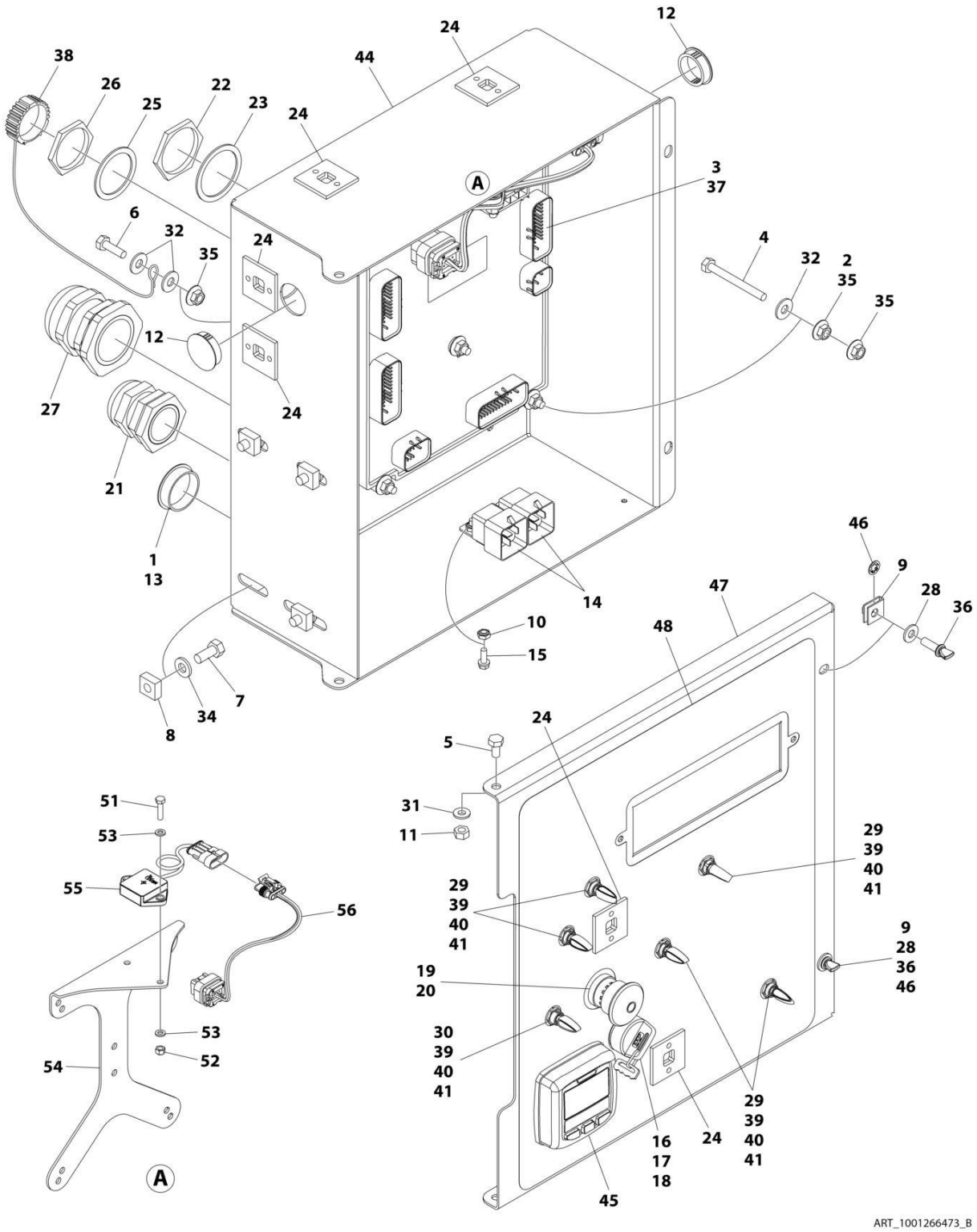


FIGURE 2-27. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH DIGITAL DISPLAY (ANSI, ANSI EXPORT (HRC), CSA AND JAPANESE SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266473	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	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	5	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	6	Washer	
40	1001155044	6	Nut 15/32	
41	1001155045	6	Switch, Toggle	
42	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001169234	1	Plate	
45	1001171482	1	Gauge, Display	
46	1001188874	2	Nut	
47	1001263352	1	Plate	
48	1001266479	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001219601	1	Sensor, Tilt	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-28. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT (HRC), CSA AND JAPANESE SPECS) (800S HC3) (Prior to SN 0300298220, Excluding 0300295807)

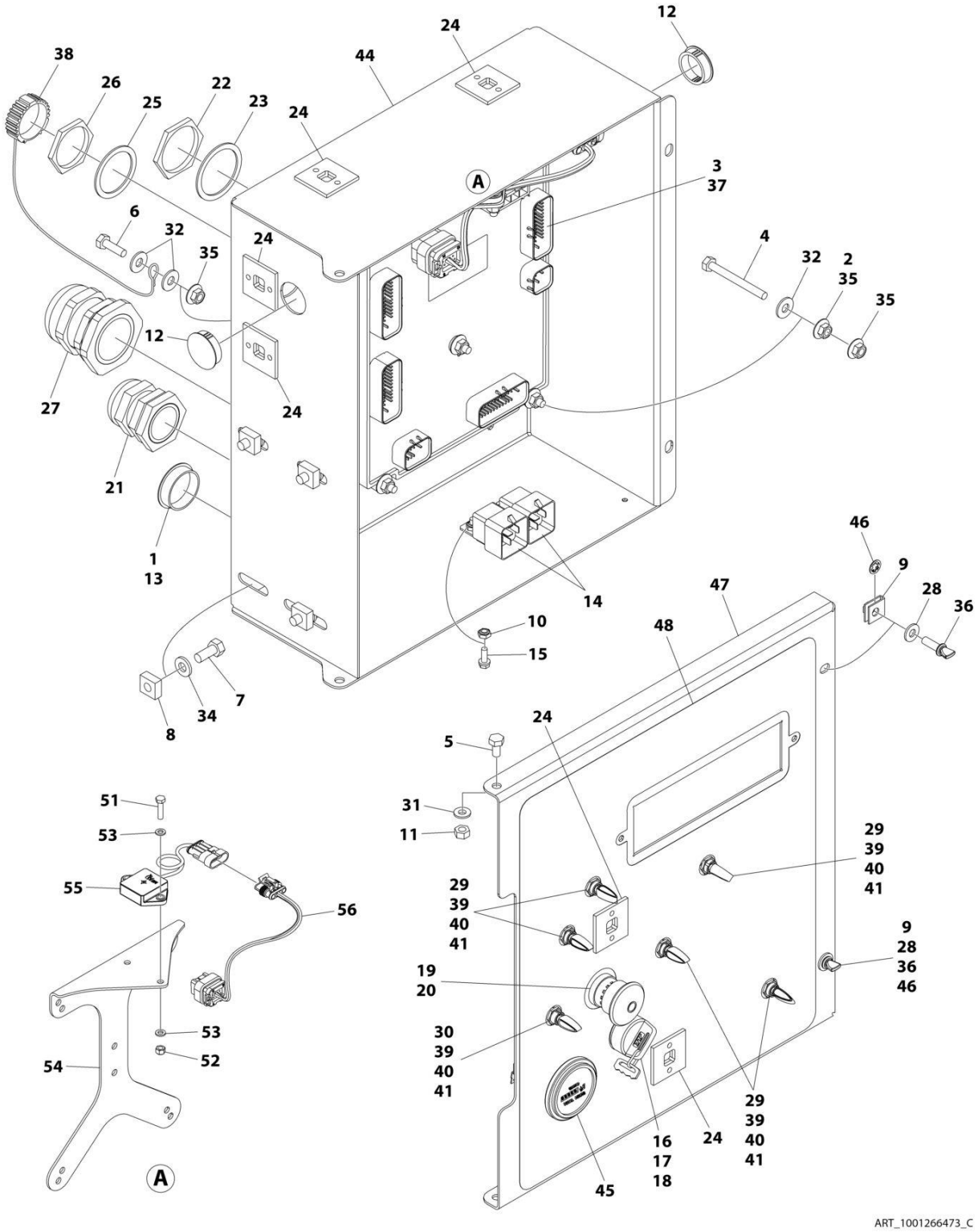


FIGURE 2-28. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT (HRC), CSA AND JAPANESE SPECS) (800S HC3) (Prior to SN 0300298220, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266473	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	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	5	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	6	Washer	
40	1001155044	6	Nut 15/32	
41	1001155045	6	Switch, Toggle	
42	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001169234	1	Plate	
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001280403	1	Plate	
48	1001266479	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001219601	1	Sensor, Tilt	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-29. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT (HRC), CSA AND JAPANESE SPECS) (800S HC3) (SN 0300298220 to Present, Including 0300295807)

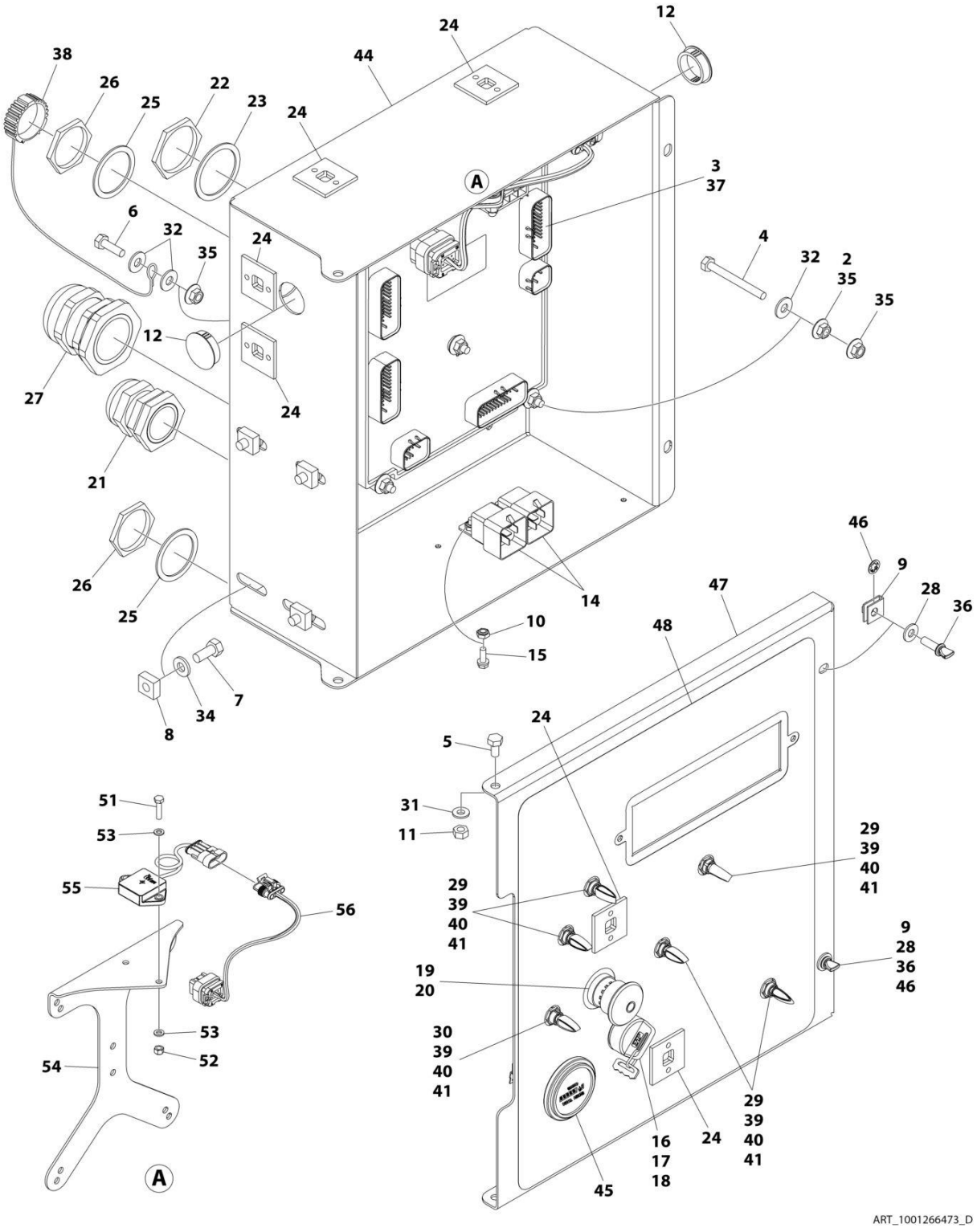


FIGURE 2-29. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT (HRC), CSA AND JAPANESE SPECS) (800S HC3) (SN 0300298220 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266473	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	5	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	6	Washer	
40	1001155044	6	Nut 15/32	
41	1001155045	6	Switch, Toggle	
42	1001285369	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001284973	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001287464	1	Plate	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001280403	1	Plate	
48	1001266479	1	Decal - Ground Control Box	
49	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001219601	1	Sensor, Tilt	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-30. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (800S HC3) (Prior to SN 0300298220, Excluding 0300295807)

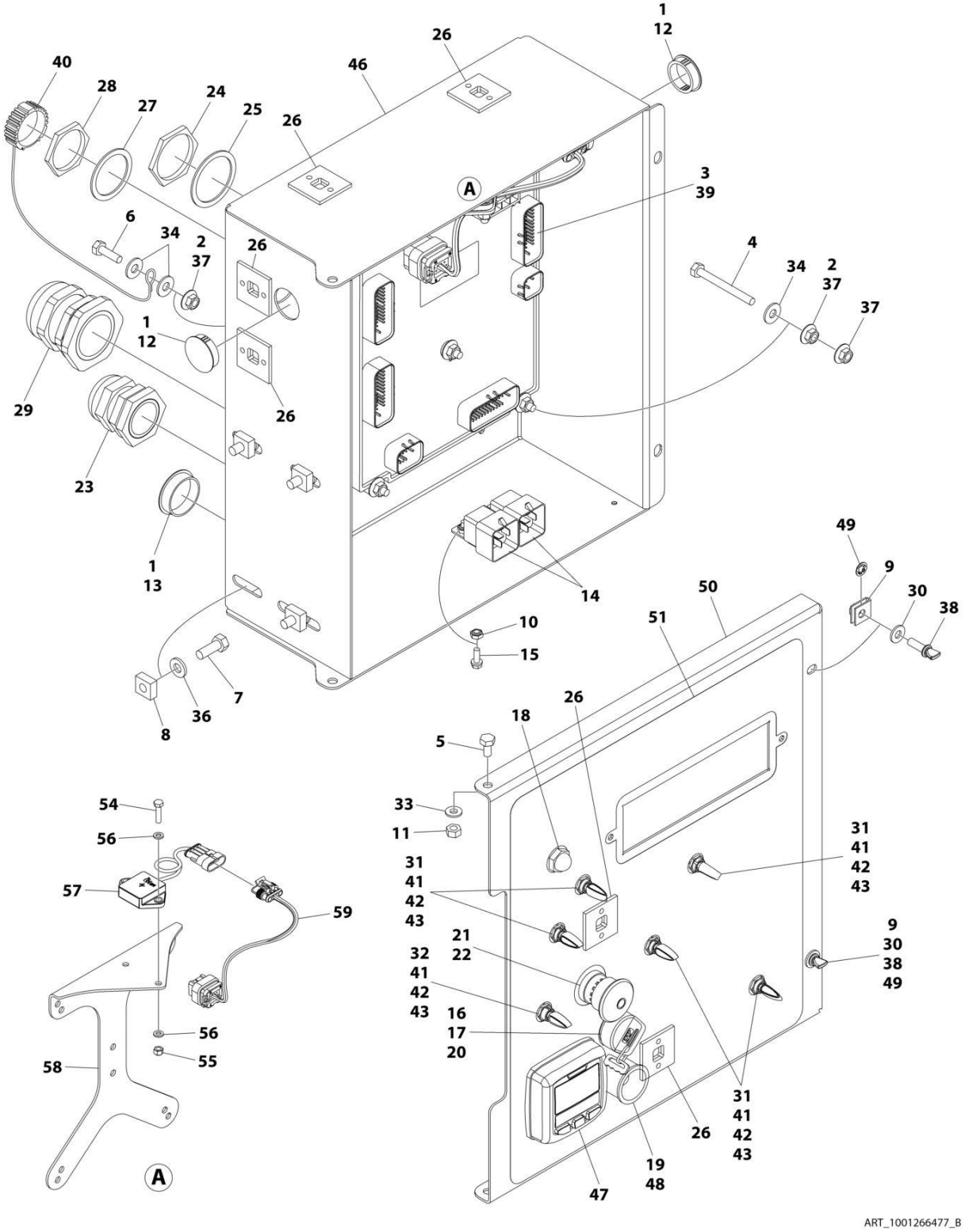


FIGURE 2-30. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (800S HC3) (Prior to SN 0300298220, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266477	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	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641507	4	Bolt 5/16 x 7/8	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #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 Set	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	Lockwasher, 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	5	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	
38	1001103308	2	Thumbscrew 1/4 x 3/4	
39	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
40	1001106736	1	Cap, Dust	
41	1001155043	6	Washer	
42	1001155044	6	Nut 15/32	
43	1001155045	6	Switch, Toggle	
44	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
46	1001169234	1	Plate	
47	1001171482	1	Gauge, Display	
48	1001176469	1	Shroud	
49	1001188874	2	Nut	
50	1001263353	1	Plate	
51	1001266483	1	Decal - Ground Control Box	
52	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
54	0760612	2	Bolt M6 x 25	
55	3290605	2	Nut, Lock M6	
56	4811700	4	Washer M6	
57	1001219601	1	Sensor, Tilt	
58	1001271794	1	Bracket, Tilt Sensor	
59	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-31. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (800S HC3) (SN 0300298220 to Present, Including 0300295807)

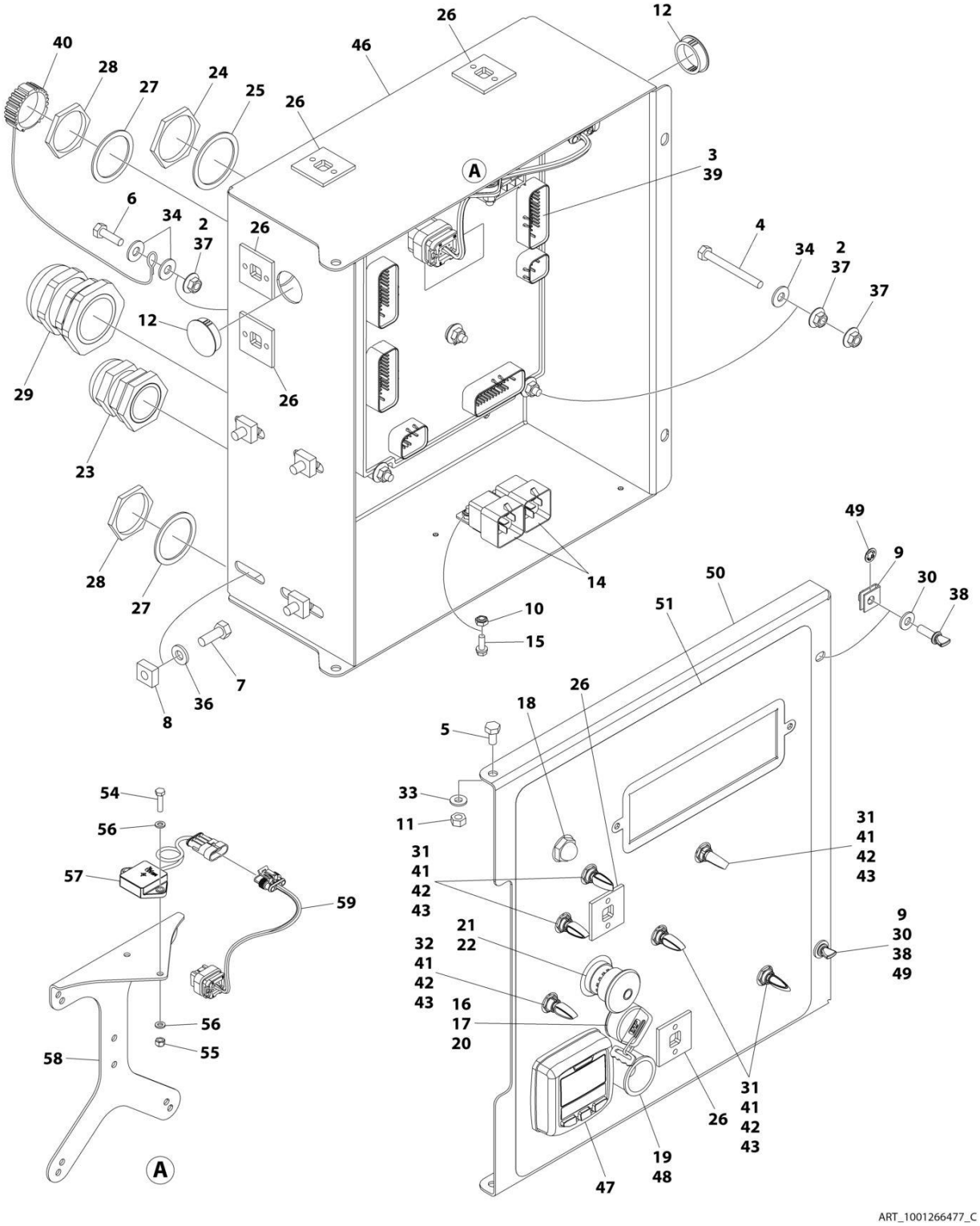


FIGURE 2-31. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (800S HC3) (SN 0300298220 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266477	Ref	GROUND CONTROL BOX ASSEMBLY	C
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641507	4	Bolt 5/16 x 7/8	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #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 Set	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	Lockwasher, 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	5	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	
38	1001103308	2	Thumbscrew 1/4 x 3/4	
39	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
40	1001106736	1	Cap, Dust	
41	1001155043	6	Washer	
42	1001155044	6	Nut 15/32	
43	1001155045	6	Switch, Toggle	
44	1001285369	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
45	1001284973	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001287464	1	Plate	
47	1001171482	1	Gauge, Display	
48	1001176469	1	Shroud	
49	1001188874	2	Nut	
50	1001263353	1	Plate	
51	1001266483	1	Decal - Ground Control Box	
52	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
54	0760612	2	Bolt M6 x 25	
55	3290605	2	Nut, Lock M6	
56	4811700	4	Washer M6	
57	1001219601	1	Sensor, Tilt	
58	1001271794	1	Bracket, Tilt Sensor	
59	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-32. GROUND CONTROL BOX ASSEMBLY - WITH FORD DF 2.5L - WITH DIGITAL DISPLAY (ANSI, ANSI EXPORT AND CSA SPECS) (800S HC3)

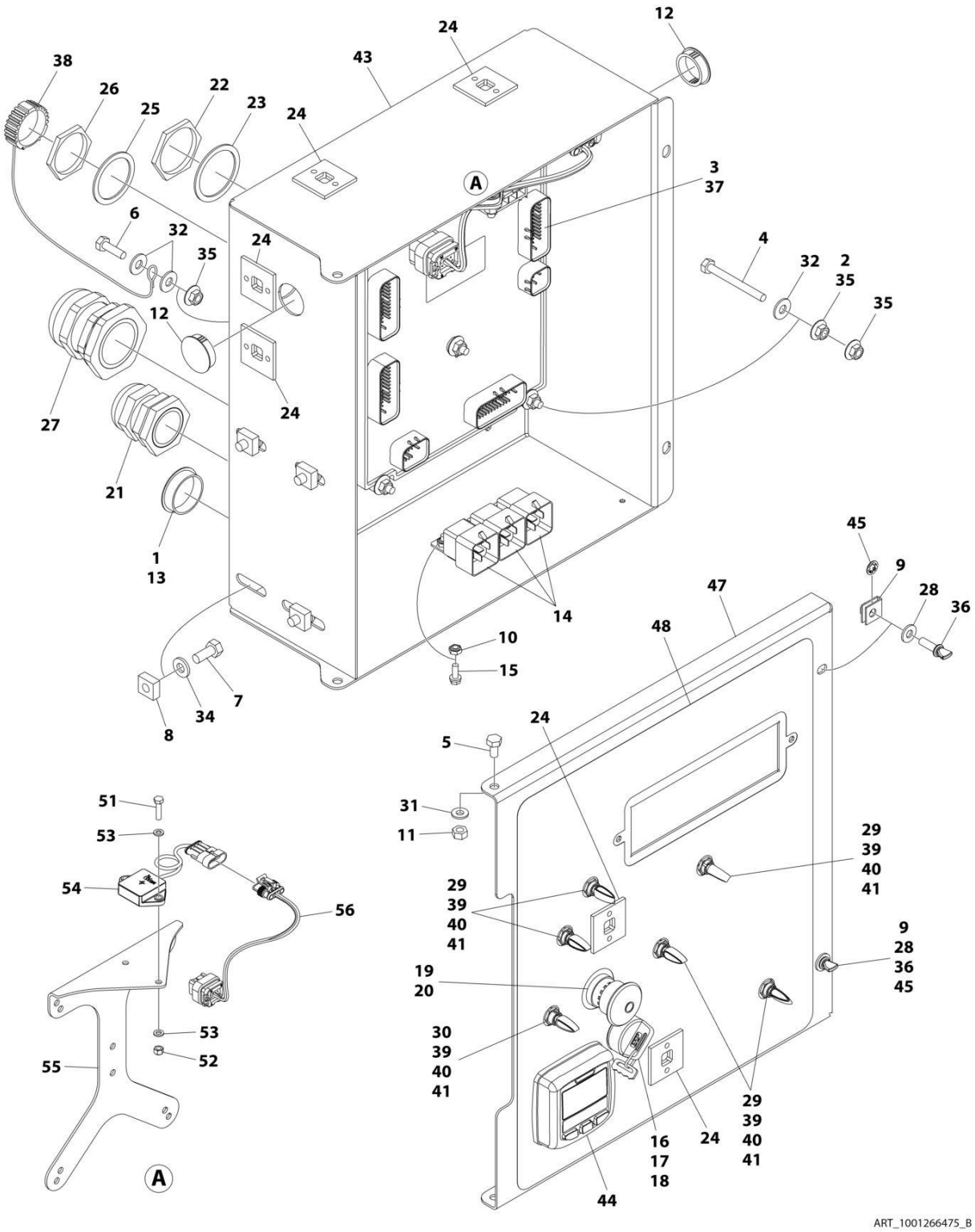


FIGURE 2-32. GROUND CONTROL BOX ASSEMBLY - WITH FORD DF 2.5L - WITH DIGITAL DISPLAY (ANSI, ANSI EXPORT AND CSA SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266475	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	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	5	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	6	Washer	
40	1001155044	6	Nut 15/32	
41	1001155045	6	Switch, Toggle	
42	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001169234	1	Plate	
44	1001171482	1	Gauge, Display	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001188874	2	Nut	
46	1001216327	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001263352	1	Plate	
48	1001266479	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
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 - WITH FORD DF 2.5L - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT, AUSTRAILIAN AND CSA SPECS) (800S HC3) (Prior to SN 0300298220, Excluding 0300295807)

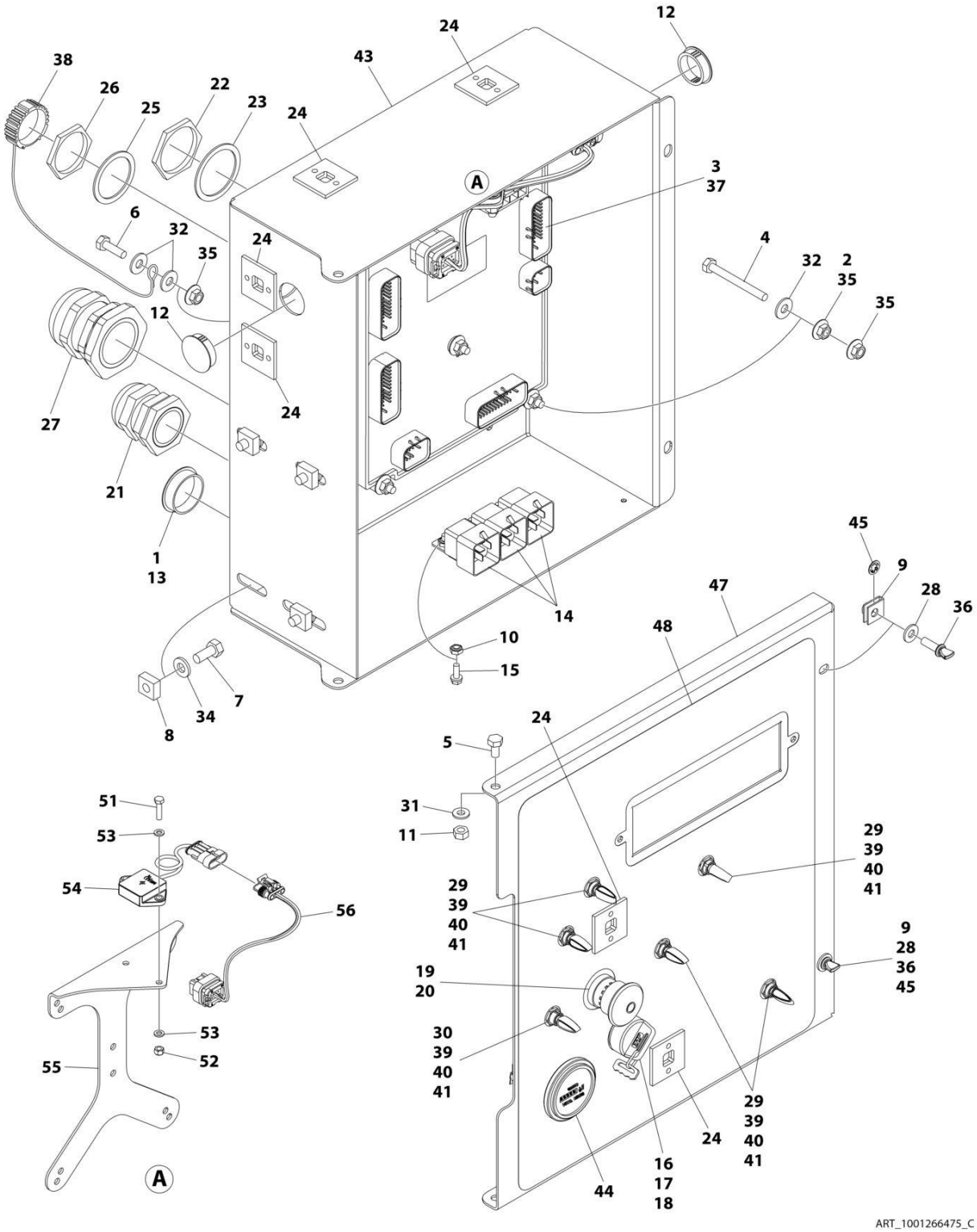


FIGURE 2-33. GROUND CONTROL BOX ASSEMBLY - WITH FORD DF 2.5L - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT, AUSTRAILIAN AND CSA SPECS) (800S HC3) (Prior to SN 0300298220, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266475	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	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	5	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	6	Washer	
40	1001155044	6	Nut 15/32	
41	1001155045	6	Switch, Toggle	
42	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001169234	1	Plate	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	
46	1001216327	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Plate	
48	1001266479	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
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 - WITH FORD DF 2.5L - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT, AUSTRAILIAN AND CSA SPECS) (800S HC3) (SN 0300298220 to Present, Including 0300295807)

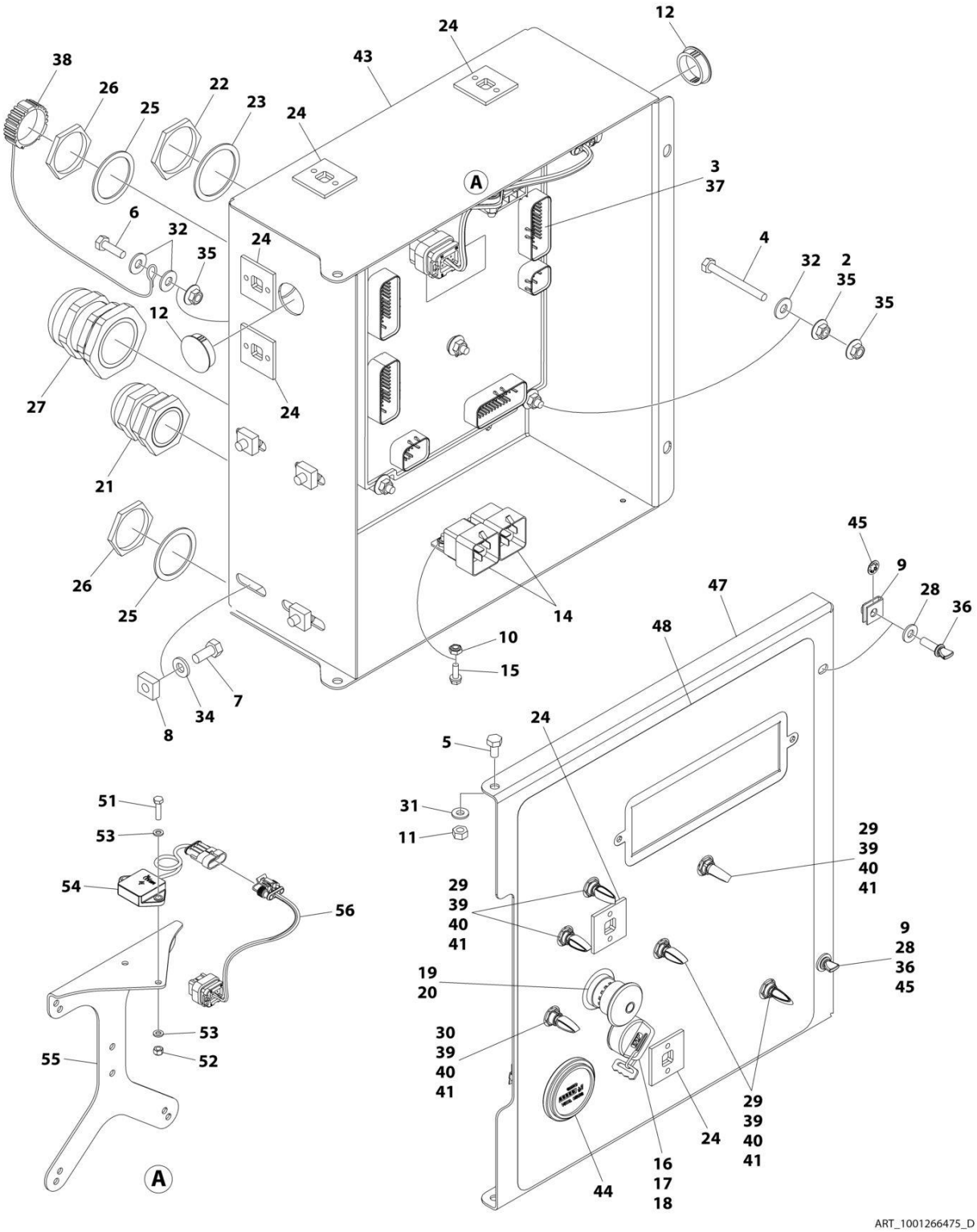


FIGURE 2-34. GROUND CONTROL BOX ASSEMBLY - WITH FORD DF 2.5L - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT, AUSTRAILIAN AND CSA SPECS) (800S HC3) (SN 0300298220 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266475	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	5	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	6	Washer	
40	1001155044	6	Nut 15/32	
41	1001155045	6	Switch, Toggle	
42	1001284973	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001287464	1	Plate	
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001286028	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Plate	
48	1001266479	1	Decal - Ground Control Box	
49	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
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 WITH DEUTZ D2011 - WITH DIGITAL DISPLAY (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (860SJ HC3)

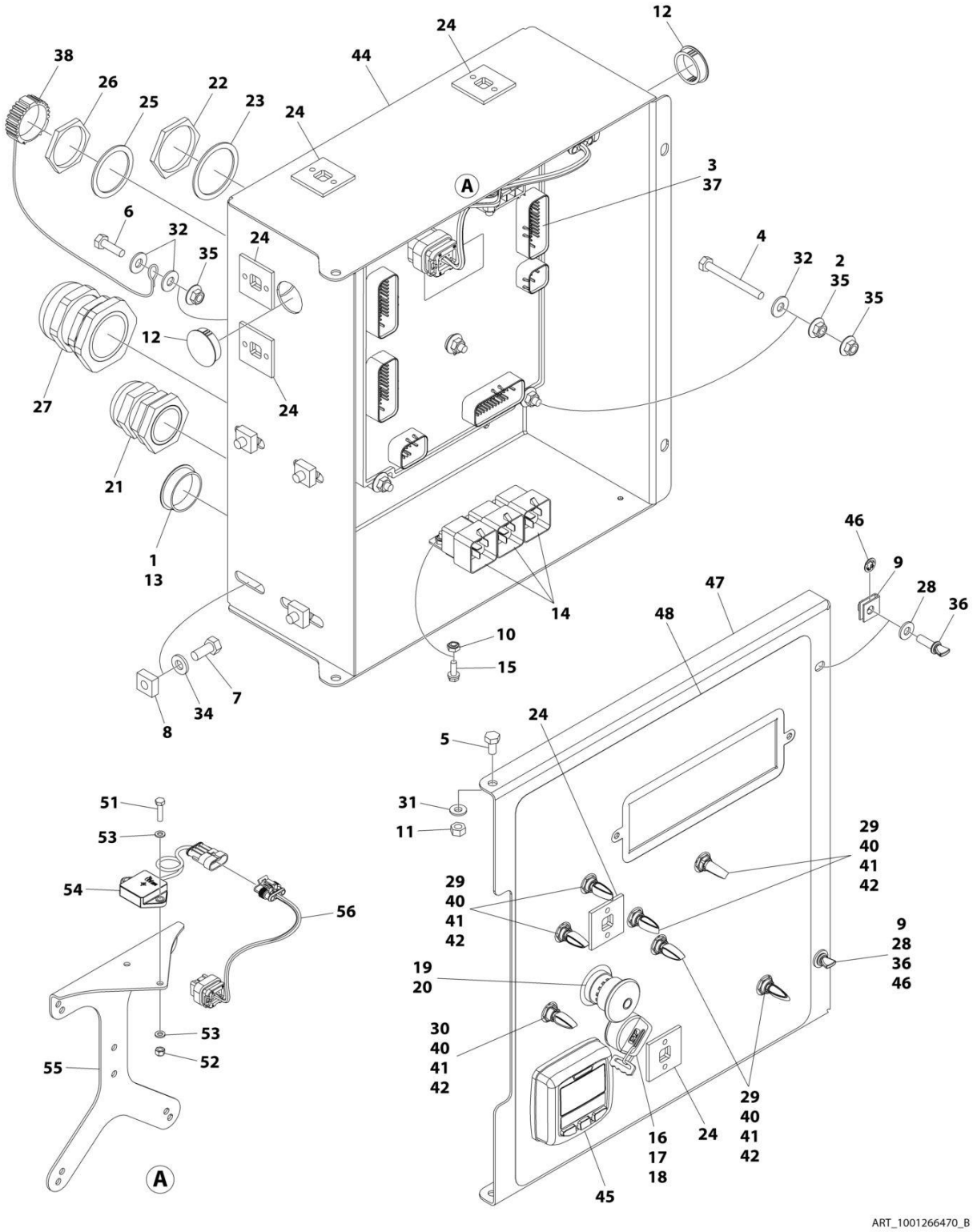


FIGURE 2-35. GROUND CONTROL BOX ASSEMBLY WITH DEUTZ D2011 - WITH DIGITAL DISPLAY (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266470	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	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	6	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001154324	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
40	1001155043	7	Washer	
41	1001155044	7	Nut 15/32	
42	1001155045	7	Switch, Toggle	
43	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001169234	1	Plate	
45	1001171482	1	Gauge, Display	
46	1001188874	2	Nut	
47	1001263352	1	Plate	
48	1001266480	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-36. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (860SJ HC3) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

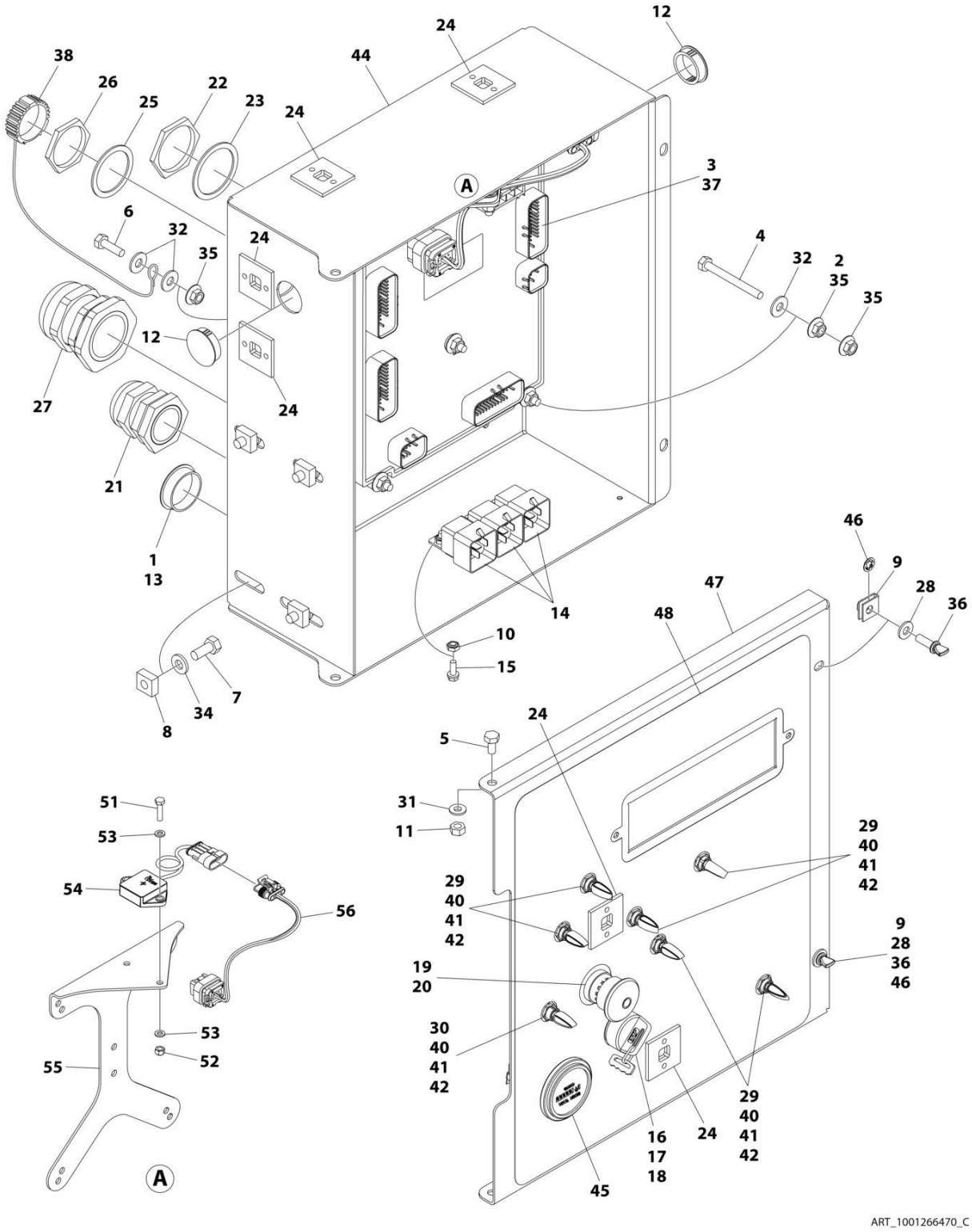


FIGURE 2-36. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (860SJ HC3) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266470	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	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	6	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001154324	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
40	1001155043	7	Washer	
41	1001155044	7	Nut 15/32	
42	1001155045	7	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001169234	1	Plate	
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001280403	1	Plate	
48	1001266480	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-37. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (860SJ HC3) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

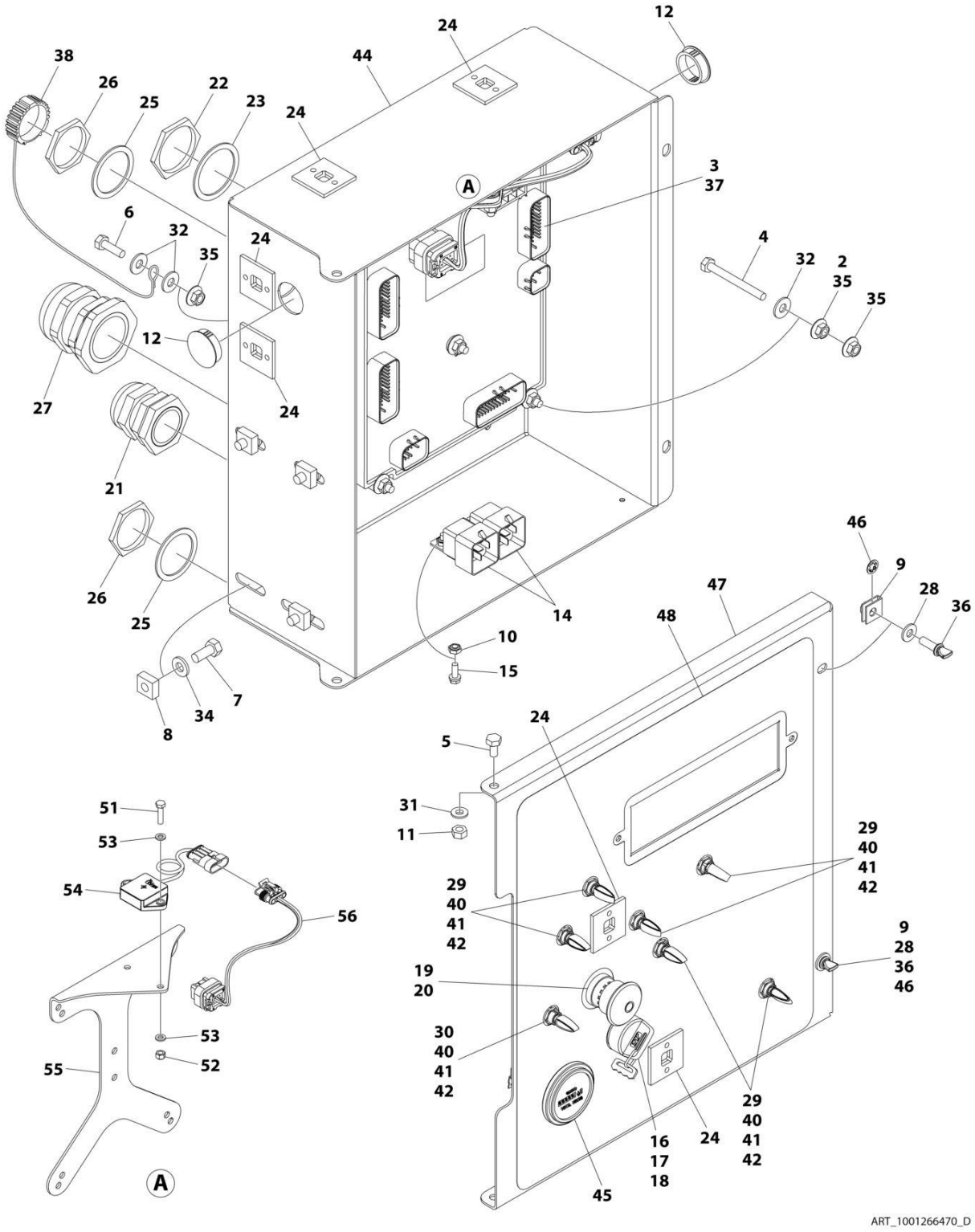


FIGURE 2-37. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 - WITH MECHANICAL HOUR METER (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (860SJ HC3) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266470	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	6	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001285515	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
40	1001155043	7	Washer	
41	1001155044	7	Nut 15/32	
42	1001155045	7	Switch, Toggle	
43	1001284973	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001287464	1	Plate	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001280403	1	Plate	
48	1001266480	1	Decal - Ground Control Box	
49	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-38. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (CE, RUSSIA & UK CA SPECS) (860SJ HC3) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

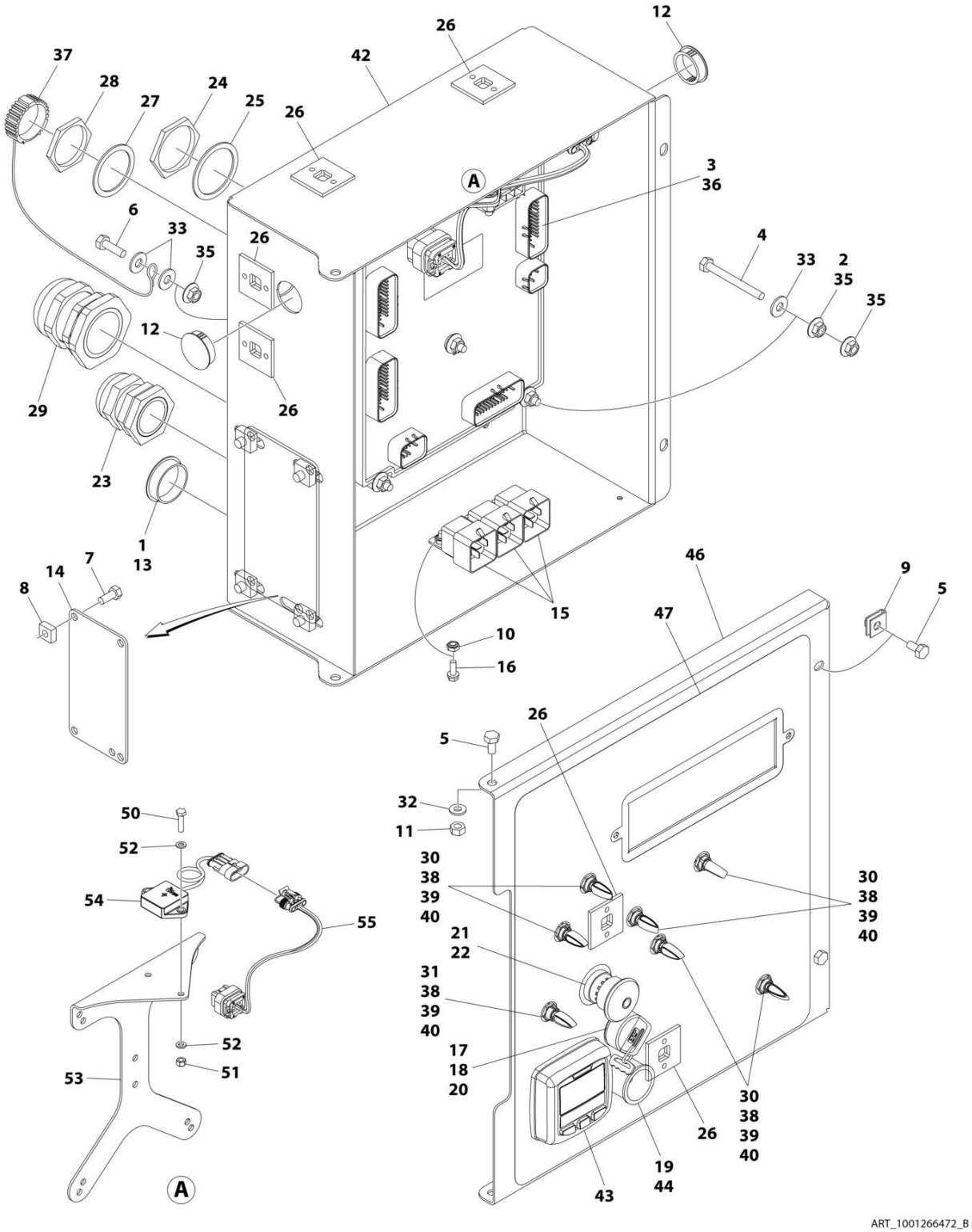


FIGURE 2-38. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (CE, RUSSIA & UK CA SPECS) (860SJ HC3) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266472	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	
5	0641404	4	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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3539219	1	Plate	
15	3740049	3	Relay	
16	3900268	3	Bolt #10 x 1/2	
17	3910804	6	Screw #8 x 1/4	
18	4070991	1	Shim	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1 Set	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	Lockwasher, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	1	Washer, Terminal	
28	4460497	1	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4740397	6	Spacer	
31	4740444	1	Washer	
32	4740518	2	Washer	
33	4751400	7	Washer 1/4	
35	77143013	11	Nut 1/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001155043	7	Washer	
39	1001155044	7	Nut 15/32	
40	1001155045	7	Switch, Toggle	
41	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001169234	1	Plate	
43	1001171482	1	Gauge, Display	
44	1001176469	1	Shroud	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001243559	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
46	1001263353	1	Plate	
47	1001266482	1	Decal - Ground Control Box	
48	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut, Lock M6	
52	4811700	4	Washer M6	
53	1001271794	1	Bracket, Tilt Sensor	
54	1001219601	1	Sensor, Tilt	
55	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-39. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (CE, RUSSIA & UK CA SPECS) (860SJ HC3) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

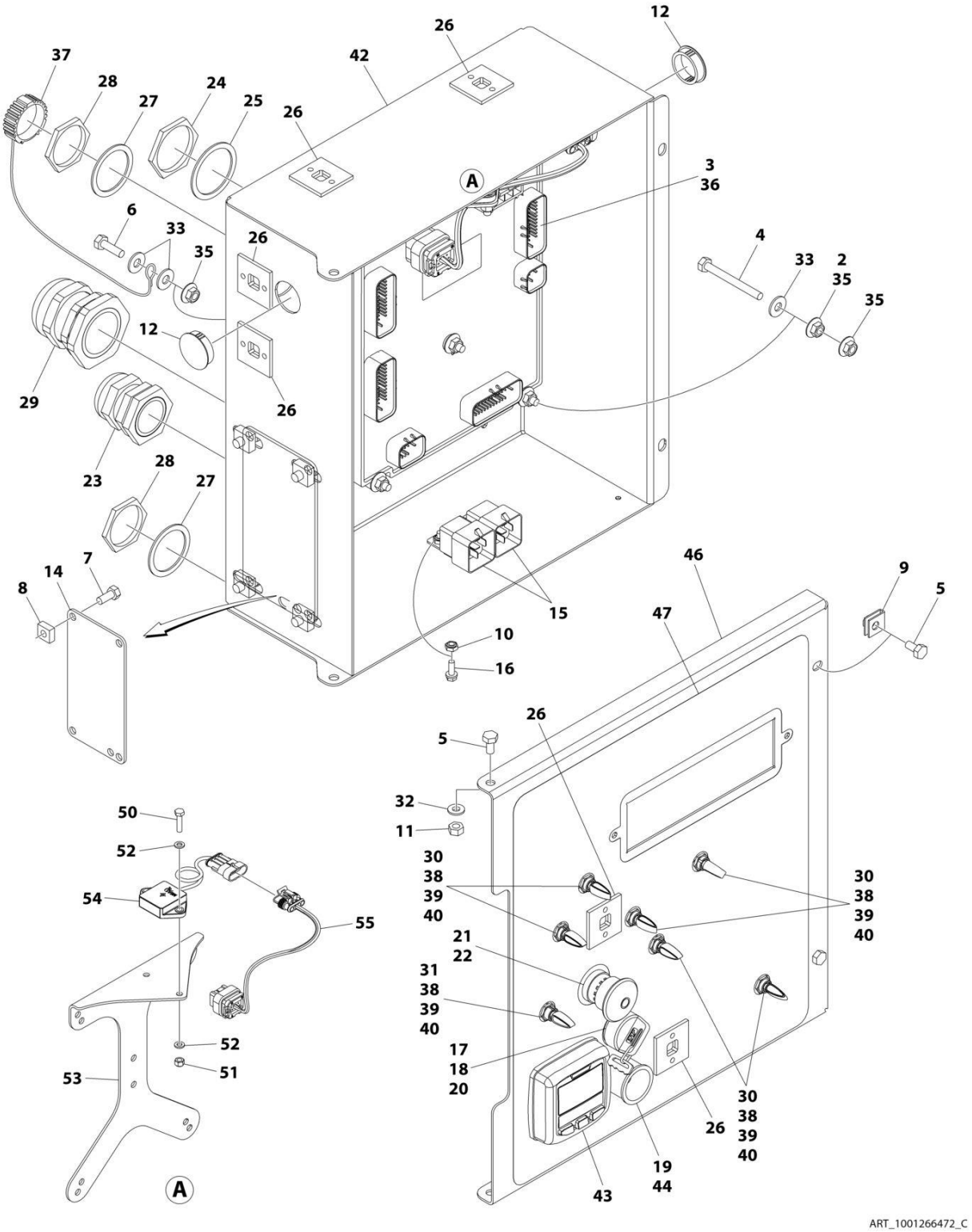


FIGURE 2-39. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (CE, RUSSIA & UK CA SPECS) (860SJ HC3) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266472	Ref	GROUND CONTROL BOX ASSEMBLY	C
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	4	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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3539219	1	Plate	
15	3740049	2	Relay	
16	3900268	2	Bolt #10 x 1/2	
17	3910804	6	Screw #8 x 1/4	
18	4070991	1	Shim	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1 Set	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	Lockwasher, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	2	Washer, Terminal	
28	4460497	2	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4740397	6	Spacer	
31	4740444	1	Washer	
32	4740518	2	Washer	
33	4751400	7	Washer 1/4	
35	77143013	11	Nut 1/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001155043	7	Washer	
39	1001155044	7	Nut 15/32	
40	1001155045	7	Switch, Toggle	
41	1001284973	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001287464	1	Plate	
43	1001171482	1	Gauge, Display	
44	1001176469	1	Shroud	
45	1001286027	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001263353	1	Plate	
47	1001266482	1	Decal - Ground Control Box	
48	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut, Lock M6	
52	4811700	4	Washer M6	
53	1001271794	1	Bracket, Tilt Sensor	
54	1001219601	1	Sensor, Tilt	
55	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-40. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (HIGH TEMP MARKETS) (ANSI EXPORT (LRC), UK CA (LRC) & AUSTRALIAN SPECS) (860SJ HC3) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

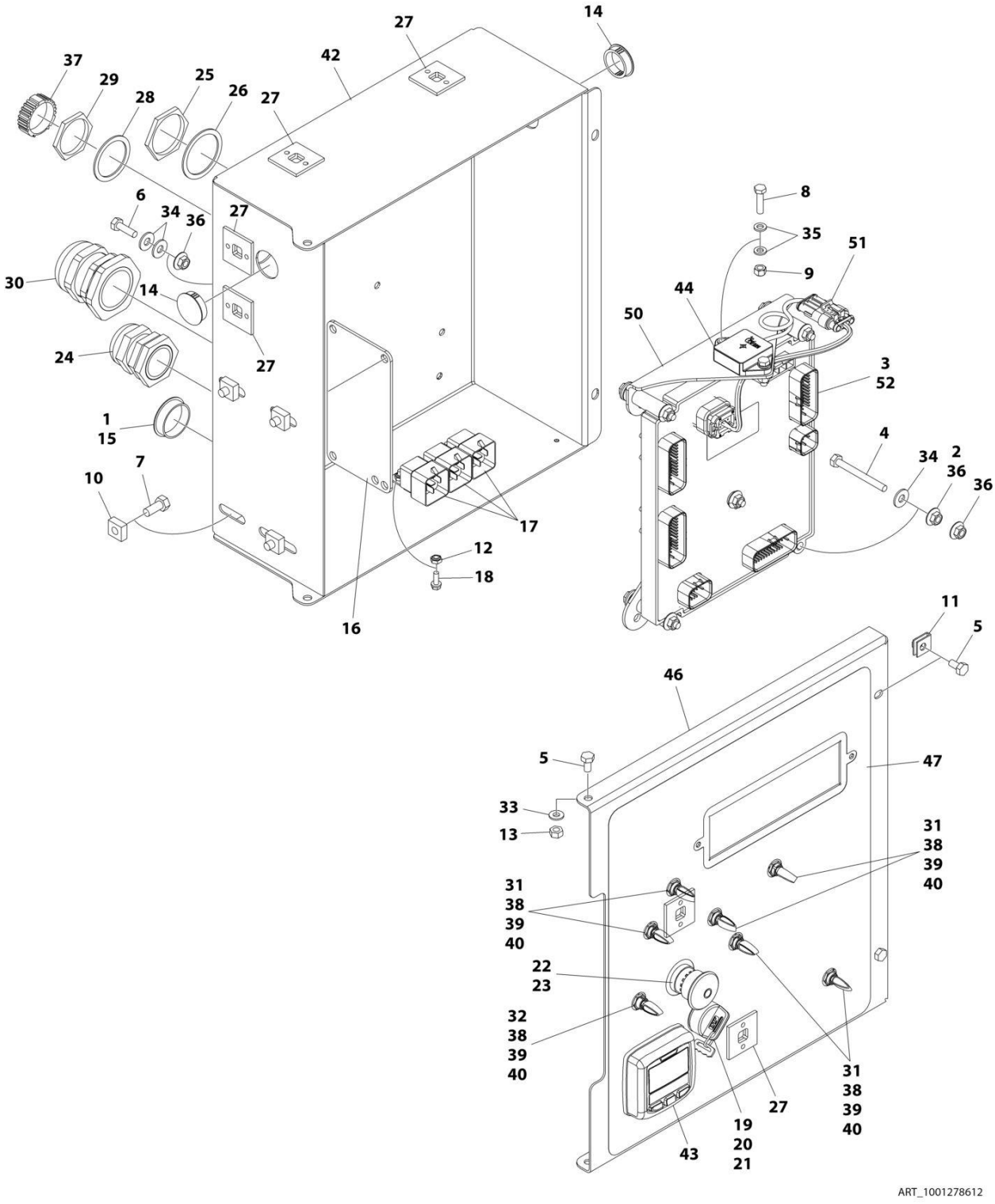


FIGURE 2-40. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (HIGH TEMP MARKETS) (ANSI EXPORT (LRC), UK CA (LRC) & AUSTRALIAN SPECS) (860SJ HC3) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001278612	Ref	GROUND CONTROL BOX ASSEMBLY	A
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2 Tap	
5	0641404	4	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	0760612	2	Bolt M6 x 25	
9	3290605	2	Nut, Lock M6	
10	3300205	4	Nut, Retainer	
11	3300353	2	Nut, Tinnerman	
12	3300408	3	Nut, Plastic Insert	
13	3311405	2	Nut 1/4	
14	3520031	2	Plug	
15	3520035	1	Plug, Cap	
16	3539219	1	Plate, Reinforcement	
17	3740049	3	Relay	
18	3900268	3	Bolt #10 x 1/2	
19	3910804	6	Bolt #8 x 1/4	
20	4070991	1	Shim	
21	4360469	1	Switch, Key	
22	4360475	1	Switch, Emergency Stop	
22	7020175	1	Cap, Mushroom	
22	7020176	1	Block, Contact	
23	4360476	1	Switch, Contact Block	
24	4460426	1	Connector, Strain Relief	
25	4460470	1	Nut, Terminal	
26	4460471	1	Washer, Terminal	
27	4460488	6	Mounting Base, Terminal	
28	4460496	1	Washer, Terminal	
29	4460497	1	Nut, Terminal	
30	4460526	1	Connector, Strain Relief	
31	4740397	6	Spacer	
32	4740444	1	Washer	
33	4740518	2	Washer	
34	4751400	7	Washer 1/4	
35	4811700	4	Washer M6	
36	77143013	11	Nut 1/4	
37	1001106736	1	Cap, Dust	
38	1001155043	7	Washer	
39	1001155044	7	Nut 15/32	
40	1001155045	7	Switch, Toggle	
41	1001168024	1	Harness, Platform Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001169234	1	Box Less Lid	
43	1001171482	1	Gauge, Display	
44	1001219601	1	Sensor, Tilt	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001243559	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
46	1001263352	1	Panel, Cover	
47	1001266480	1	Decal, MTB	
48	1001266628	1	Harness, MTB (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266719	1	Wire, MTB (Not Shown)	
50	1001271794	1	Bracket, Tilt Sensor	
51	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	
52	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	

FIGURE 2-41. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (HIGH TEMP MARKETS) (ANSI EXPORT (LRC), UK CA (LRC) & AUSTRALIAN SPECS) (860SJ HC3) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

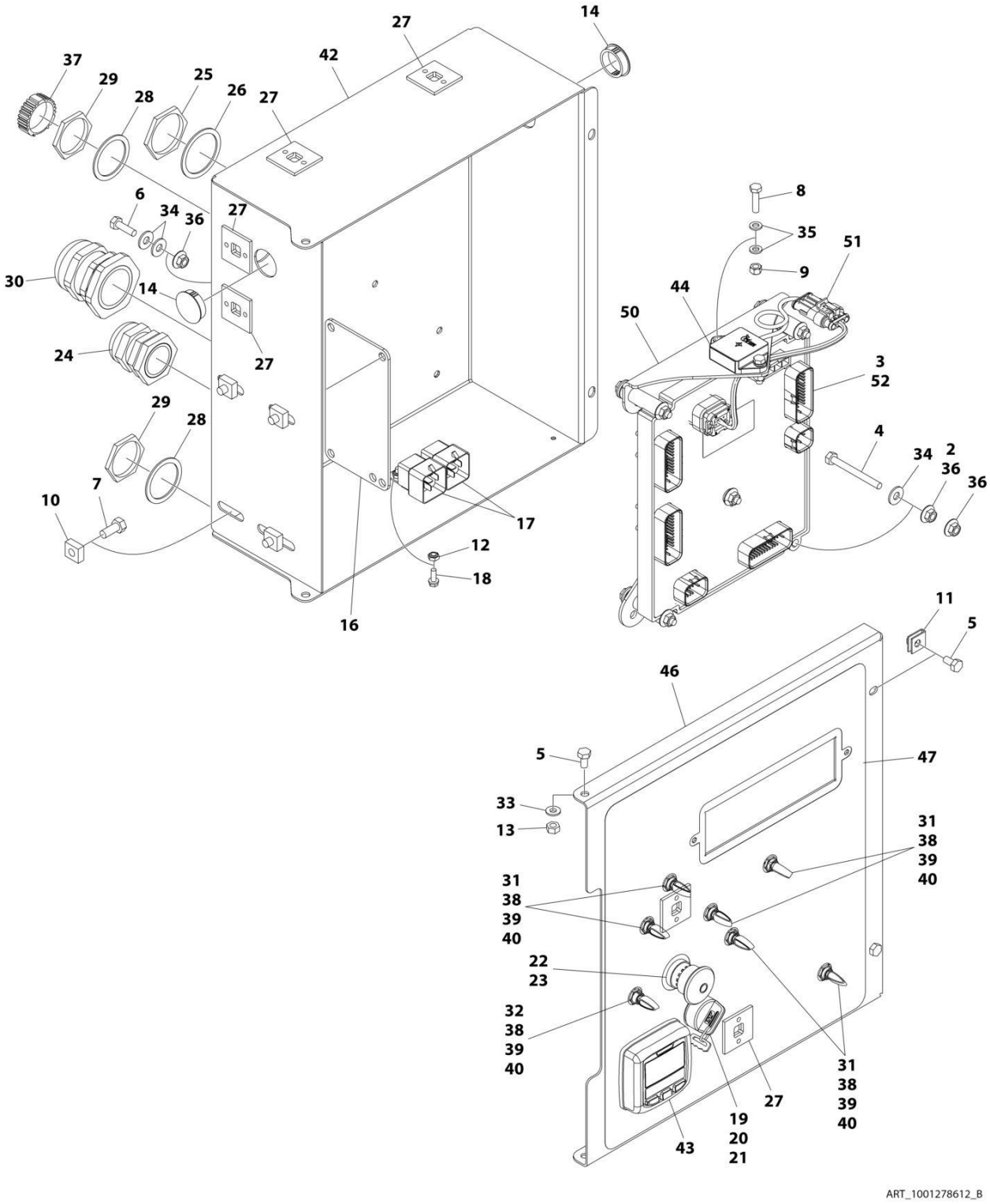


FIGURE 2-41. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (HIGH TEMP MARKETS) (ANSI EXPORT (LRC), UK CA (LRC) & AUSTRALIAN SPECS) (860SJ HC3) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001278612	Ref	GROUND CONTROL BOX ASSEMBLY	B
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2 Tap	
5	0641404	4	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	0760612	2	Bolt M6 x 25	
9	3290605	2	Nut, Lock M6	
10	3300205	4	Nut, Retainer	
11	3300353	2	Nut, Tinnerman	
12	3300408	2	Nut, Plastic Insert	
13	3311405	2	Nut 1/4	
14	3520031	2	Plug	
16	3539219	1	Plate, Reinforcement	
17	3740049	2	Relay	
18	3900268	2	Bolt #10 x 1/2	
19	3910804	6	Bolt #8 x 1/4	
20	4070991	1	Shim	
21	4360469	1	Switch, Key	
22	4360475	1	Switch, Emergency Stop	
22	7020175	1	Cap, Mushroom	
22	7020176	1	Block, Contact	
23	4360476	1	Switch, Contact Block	
24	4460426	1	Connector, Strain Relief	
25	4460470	1	Nut, Terminal	
26	4460471	1	Washer, Terminal	
27	4460488	6	Mounting Base, Terminal	
28	4460496	2	Washer, Terminal	
29	4460497	2	Nut, Terminal	
30	4460526	1	Connector, Strain Relief	
31	4740397	6	Spacer	
32	4740444	1	Washer	
33	4740518	2	Washer	
34	4751400	7	Washer 1/4	
35	4811700	4	Washer M6	
36	77143013	11	Nut 1/4	
37	1001106736	1	Cap, Dust	
38	1001155043	7	Washer	
39	1001155044	7	Nut 15/32	
40	1001155045	7	Switch, Toggle	
41	1001284973	1	Harness, Platform Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001287464	1	Box Less Lid	
43	1001171482	1	Gauge, Display	
44	1001219601	1	Sensor, Tilt	
45	1001286027	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001263352	1	Panel, Cover	
47	1001266480	1	Decal, MTB	
48	1001285346	1	Harness, MTB (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001285800	1	Wire, MTB (Not Shown)	
50	1001271794	1	Bracket, Tilt Sensor	
51	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	
52	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	

FIGURE 2-42. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH DIGITAL DISPLAY (ANSI, ANSI EXPORT (HRC), CSA, RUSSIA, JAPANESE AND CHINA SPECS) (860SJ HC3)

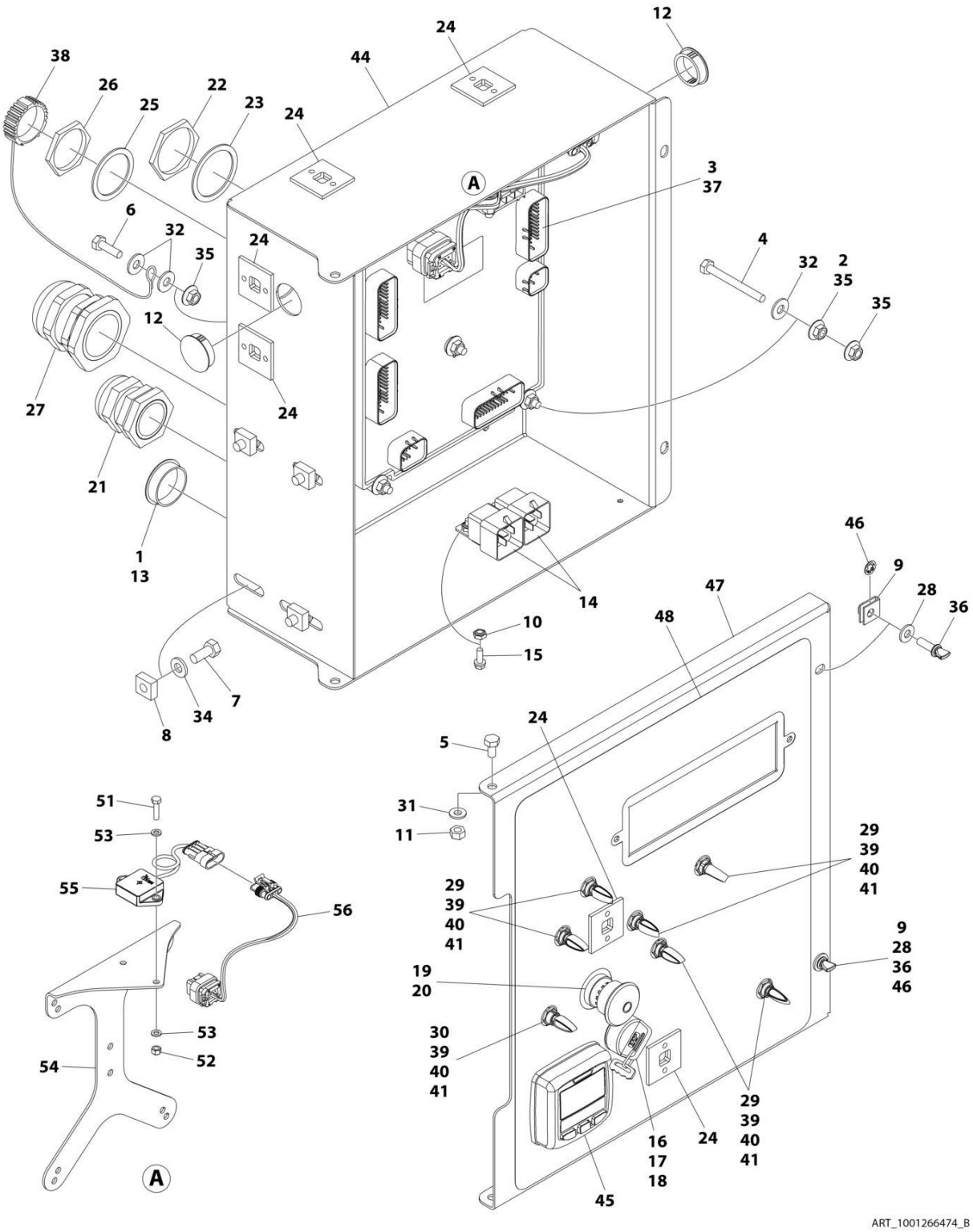


FIGURE 2-42. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH DIGITAL DISPLAY (ANSI, ANSI EXPORT (HRC), CSA, RUSSIA, JAPANESE AND CHINA SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266474	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	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	6	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	7	Washer	
40	1001155044	7	Nut 15/32	
41	1001155045	7	Switch, Toggle	
42	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001169234	1	Plate	
45	1001171482	1	Gauge, Display	
46	1001188874	2	Nut	
47	1001263352	1	Plate	
48	1001266480	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001219601	1	Sensor, Tilt	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-43. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT (HRC), CSA, RUSSIA, JAPANESE AND CHINA SPECS) (860SJ HC3) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

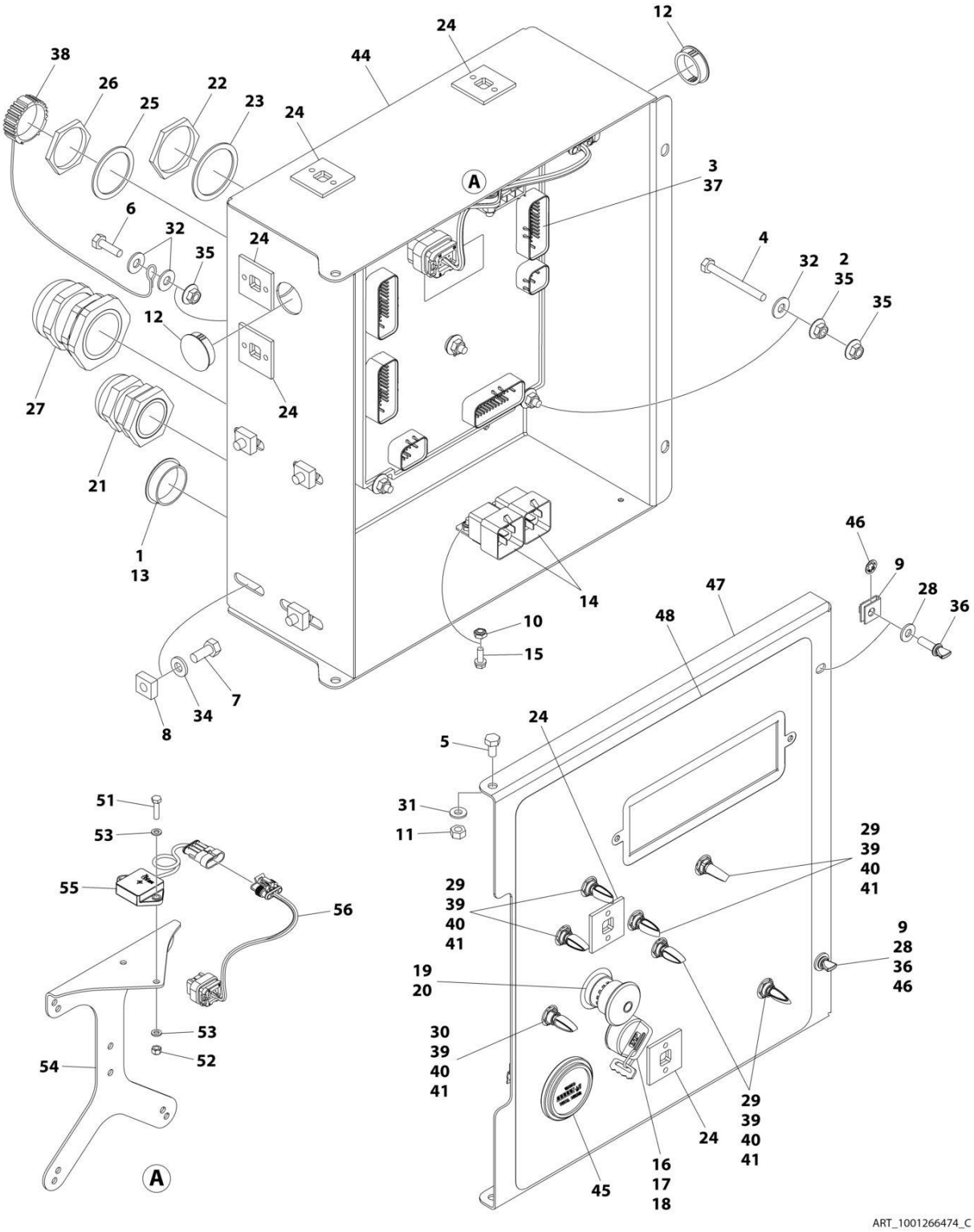


FIGURE 2-43. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT (HRC), CSA, RUSSIA, JAPANESE AND CHINA SPECS) (860SJ HC3) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266474	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	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	6	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	7	Washer	
40	1001155044	7	Nut 15/32	
41	1001155045	7	Switch, Toggle	
42	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001169234	1	Plate	
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001280403	1	Plate	
48	1001266480	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001219601	1	Sensor, Tilt	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-44. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT (HRC), CSA, RUSSIA, JAPANESE AND CHINA SPECS) (860SJ HC3) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

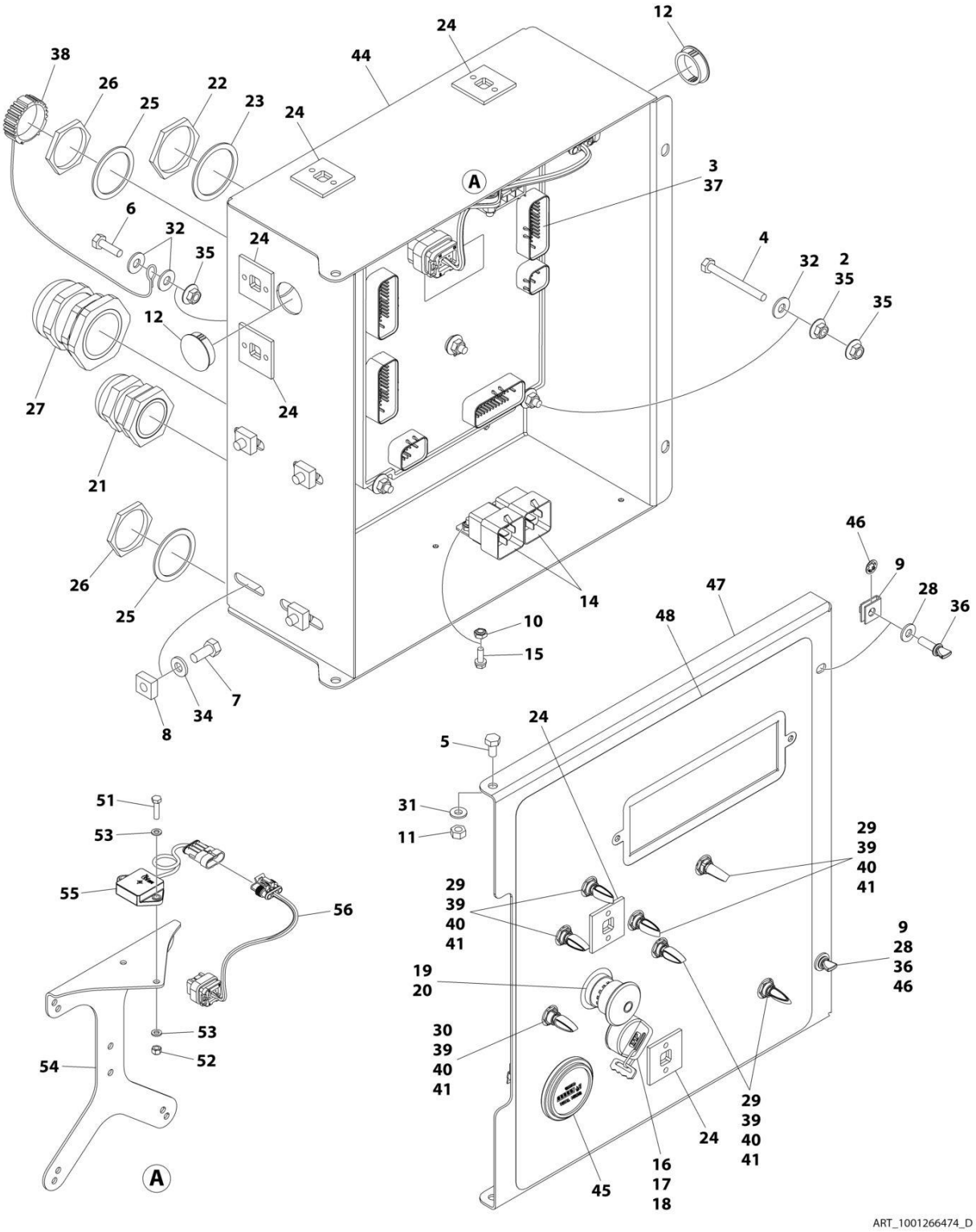


FIGURE 2-44. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT (HRC), CSA, RUSSIA, JAPANESE AND CHINA SPECS) (860SJ HC3) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266474	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
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	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	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	Lockwasher, 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	6	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	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	7	Washer	
40	1001155044	7	Nut 15/32	
41	1001155045	7	Switch, Toggle	
42	1001285369	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001284973	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001287464	1	Plate	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001280403	1	Plate	
48	1001266480	1	Decal - Ground Control Box	
49	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001219601	1	Sensor, Tilt	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-45. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (860SJ HC3) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

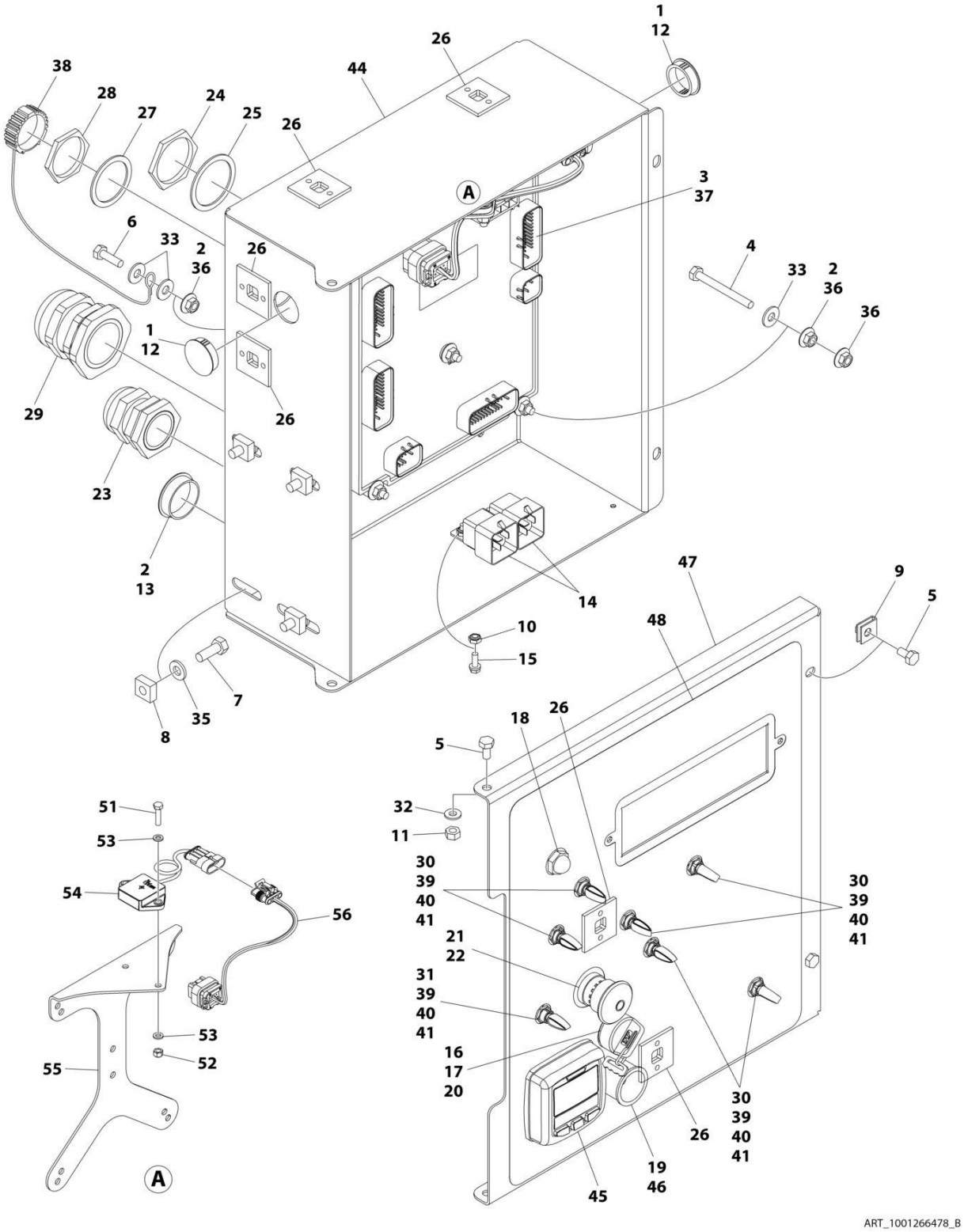


FIGURE 2-45. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (860SJ HC3) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266478	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	
5	0641404	4	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641507	4	Bolt 5/16 x 7/8	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #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 Set	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	Lockwasher, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	1	Washer, Terminal	
28	4460497	1	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4740397	6	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	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	7	Washer	
40	1001155044	7	Nut 15/32	
41	1001155045	7	Switch, Toggle	
42	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001168024	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001169234	1	Plate	
45	1001171482	1	Gauge, Display	
46	1001176469	1	Shroud	
47	1001263353	1	Plate	
48	1001266484	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-46. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (860SJ HC3) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

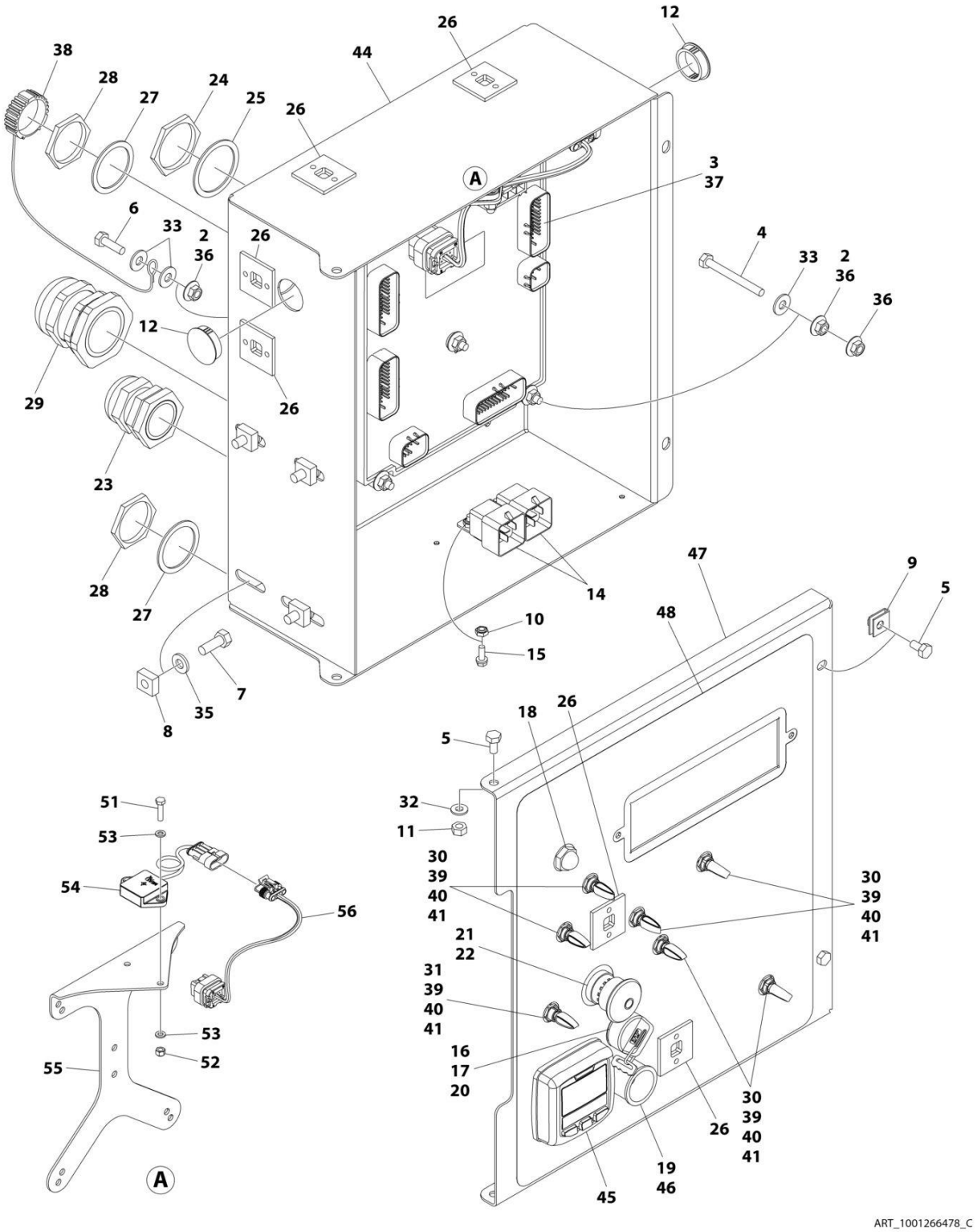


FIGURE 2-46. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (860SJ HC3) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266478	Ref	GROUND CONTROL BOX ASSEMBLY	C
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	4	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641507	4	Bolt 5/16 x 7/8	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Bolt #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 Set	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	Lockwasher, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	2	Washer, Terminal	
28	4460497	2	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4740397	6	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	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	7	Washer	
40	1001155044	7	Nut 15/32	
41	1001155045	7	Switch, Toggle	
42	1001285369	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001284973	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001287464	1	Plate	
45	1001171482	1	Gauge, Display	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001176469	1	Shroud	
47	1001263353	1	Plate	
48	1001266484	1	Decal - Ground Control Box	
49	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-47. GROUND CONTROL BOX ASSEMBLY - WITH FORD DF 2.5L - WITH DIGITAL DISPLAY (ANSI, ANSI EXPORT, AUSTRALIAN AND CSA SPECS) (860SJ HC3)

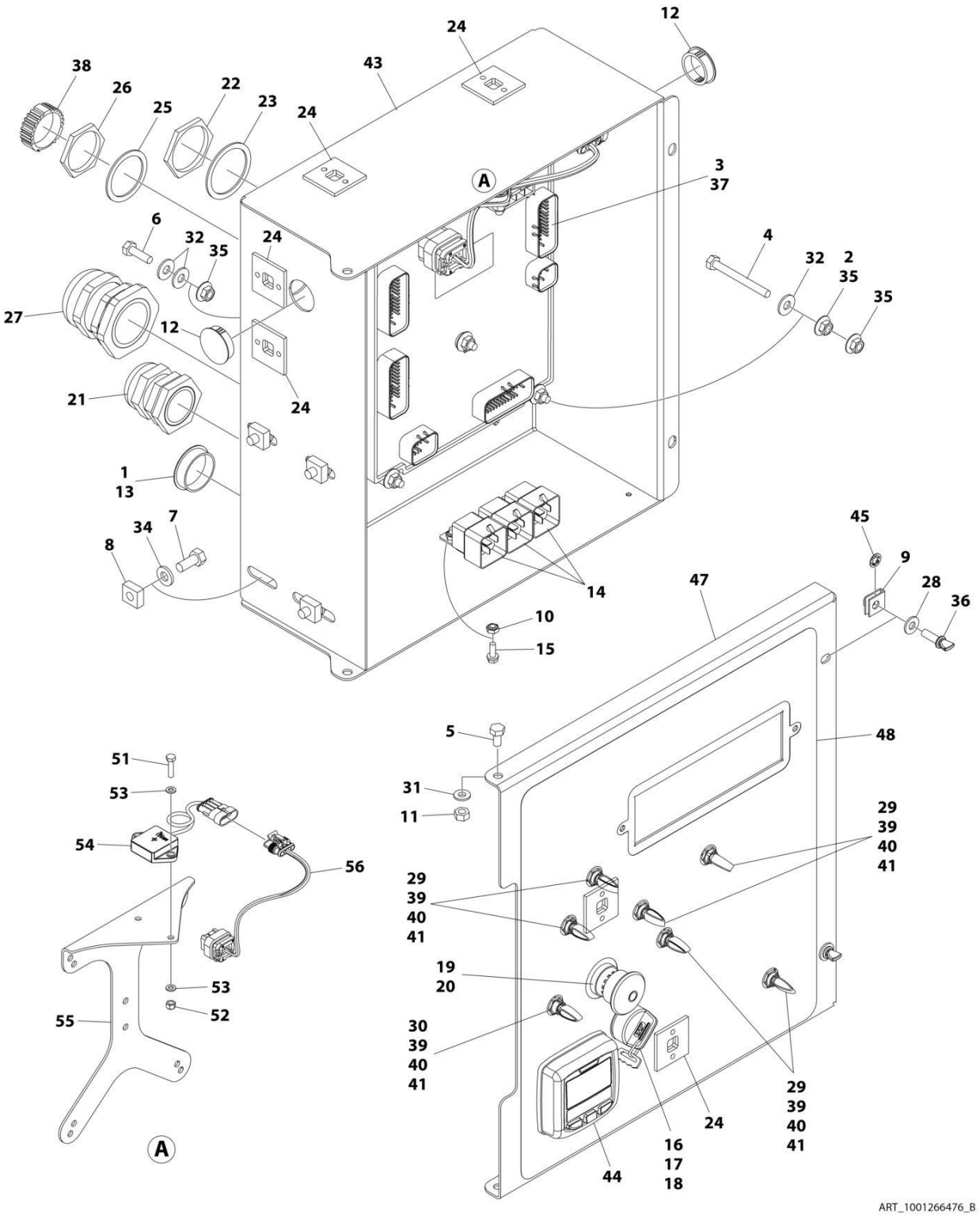


FIGURE 2-47. GROUND CONTROL BOX ASSEMBLY - WITH FORD DF 2.5L - WITH DIGITAL DISPLAY (ANSI, ANSI EXPORT, AUSTRALIAN AND CSA SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266476	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Screw 2-1/2 Tap	
5	0641404	2	Screw 1/4 x 1/2	
6	0641407	1	Screw 1/4 x 7/8	
7	0641506	4	Screw 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	
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	6	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	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	7	Washer	
40	1001155044	7	Nut 15/32	
41	1001155045	7	Switch, Toggle	
42	1001168024	1	Harness, Platform Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001169234	1	Box Less Lid	
44	1001171482	1	Gauge, Display	
45	1001188874	2	Nut	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001216327	1	Harness, Ford DF 2.5L Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001263352	1	Plate	
48	1001266480	1	Decal, MTB	
49	1001266628	1	Harness, MTB (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
50	1001266719	1	Wire, MTB (Not Shown)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-48. GROUND CONTROL BOX ASSEMBLY - WITH FORD DF 2.5L - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT, AUSTRALIAN AND CSA SPECS) (860SJ HC3) (Prior to SN 0300298220, Excluding 0300295807)

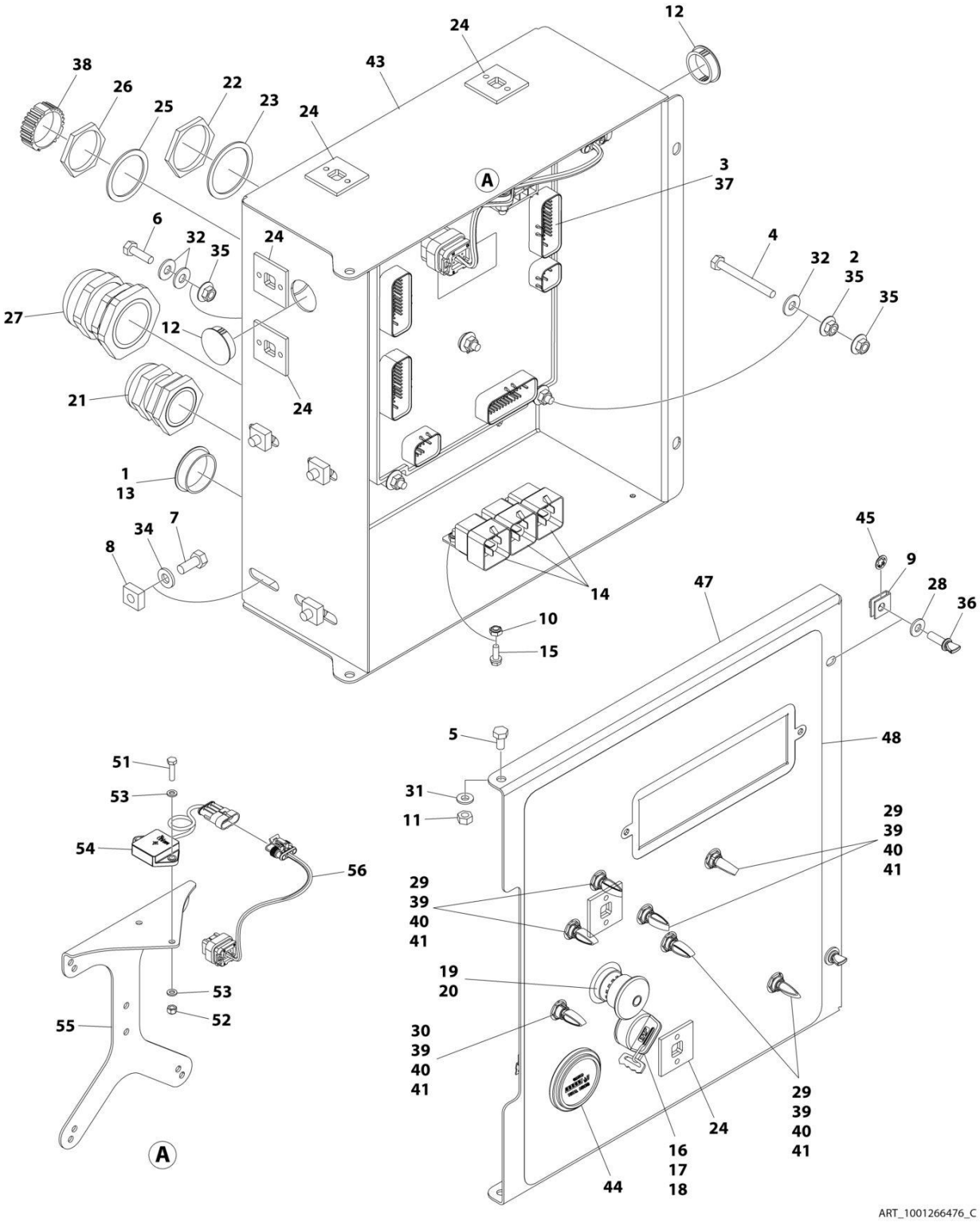


FIGURE 2-48. GROUND CONTROL BOX ASSEMBLY - WITH FORD DF 2.5L - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT, AUSTRALIAN AND CSA SPECS) (860SJ HC3) (Prior to SN 0300298220, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266476	Ref	GROUND CONTROL BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Screw 2-1/2 Tap	
5	0641404	2	Screw 1/4 x 1/2	
6	0641407	1	Screw 1/4 x 7/8	
7	0641506	4	Screw 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	
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	6	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	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	7	Washer	
40	1001155044	7	Nut 15/32	
41	1001155045	7	Switch, Toggle	
42	1001168024	1	Harness, Platform Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001169234	1	Box Less Lid	
44	10836804	1	Hour Meter	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001188874	2	Nut	
46	1001216327	1	Harness, Ford DF 2.5L Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Plate	
48	1001266480	1	Decal, MTB	
49	1001266628	1	Harness, MTB (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
50	1001266719	1	Wire, MTB (Not Shown)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-49. GROUND CONTROL BOX ASSEMBLY - WITH FORD DF 2.5L - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT, AUSTRALIAN AND CSA SPECS) (860SJ HC3) (SN 0300298220 to Present, Including 0300295807)

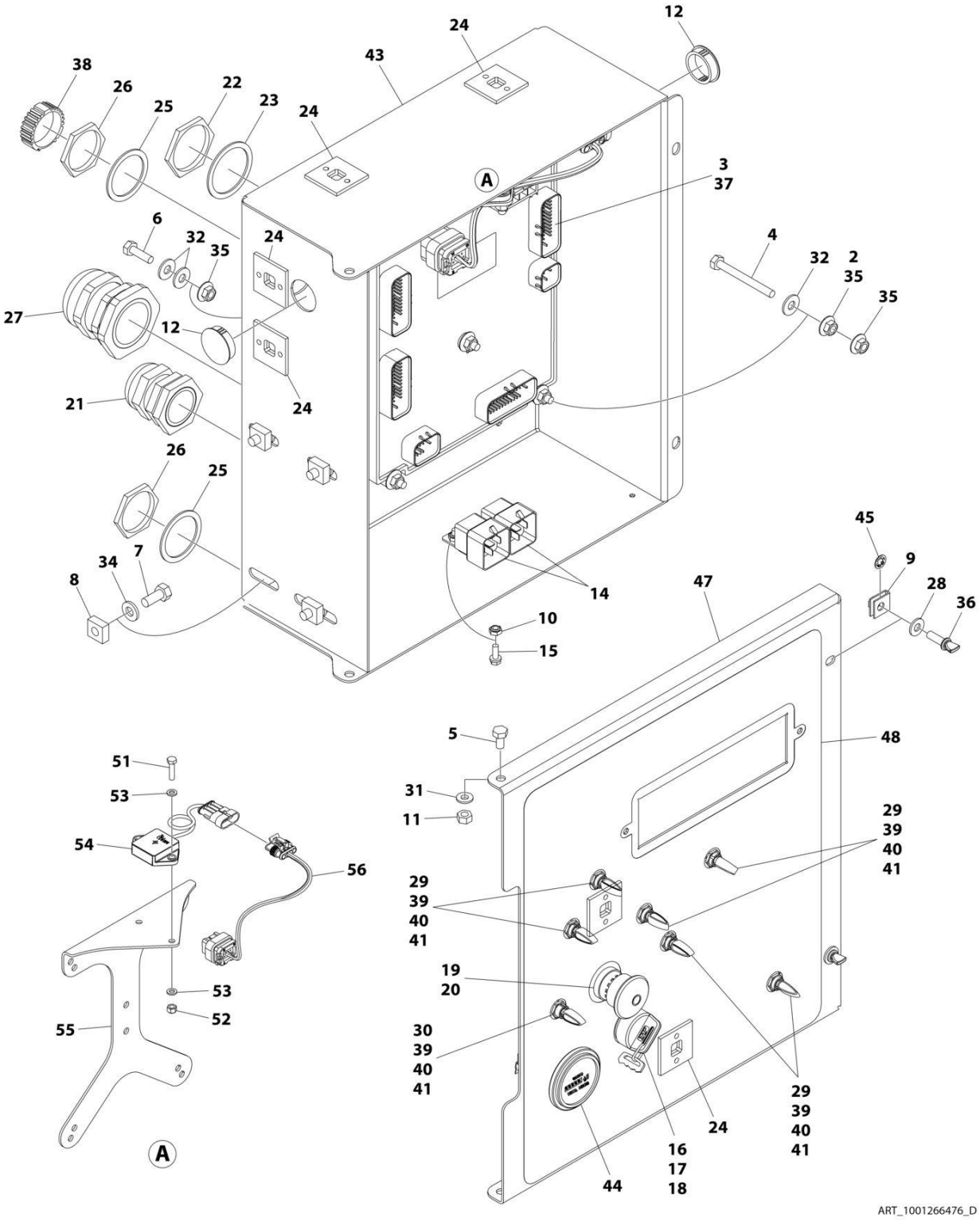


FIGURE 2-49. GROUND CONTROL BOX ASSEMBLY - WITH FORD DF 2.5L - WITH MECHANICAL HOUR METER (ANSI, ANSI EXPORT, AUSTRALIAN AND CSA SPECS) (860SJ HC3) (SN 0300298220 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266476	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Screw 2-1/2 Tap	
5	0641404	2	Screw 1/4 x 1/2	
6	0641407	1	Screw 1/4 x 7/8	
7	0641506	4	Screw 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	
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	6	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	
36	1001103308	2	Screw 1/4	
37	1001280600	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
38	1001106736	1	Cap, Dust	
39	1001155043	7	Washer	
40	1001155044	7	Nut 15/32	
41	1001155045	7	Switch, Toggle	
42	1001284973	1	Harness, Platform Valve (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001287464	1	Box Less Lid	
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001286028	1	Harness, Ford DF 2.5L Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Plate	
48	1001266480	1	Decal, MTB	
49	1001285346	1	Harness, MTB (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
50	1001285800	1	Wire, MTB (Not Shown)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut, Lock M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-50. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH 03) (CE & UK CA SPEC MACHINES WITH SN STARTING WITH B3)

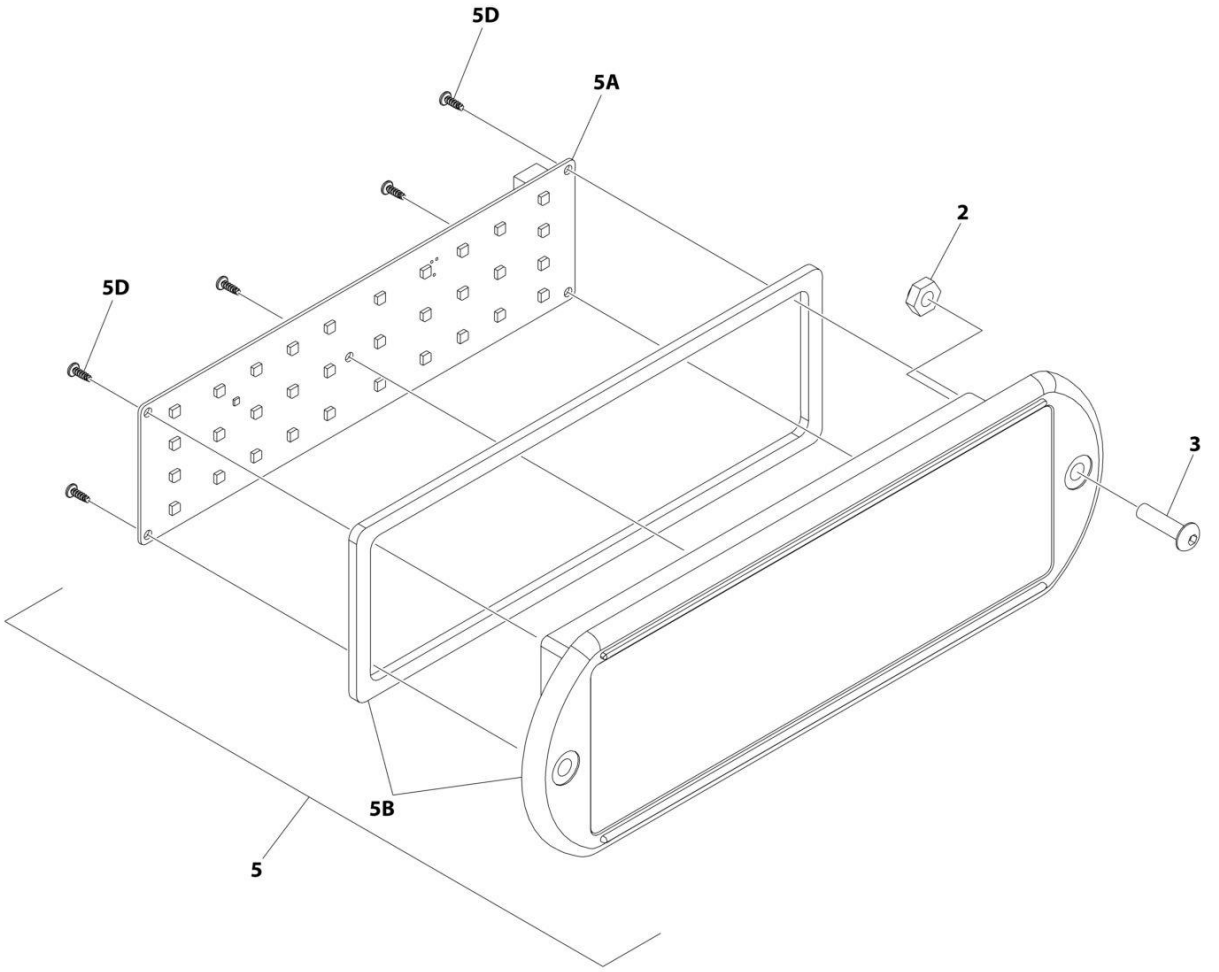


FIGURE 2-50. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH 03) (CE & UK CA SPEC MACHINES WITH SN STARTING WITH B3)

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. LIGHT PANEL INSTALLATION (ALL SPEC EXCEPT CE & UK CA SPEC MACHINES WITH SN STARTING WITH B3)

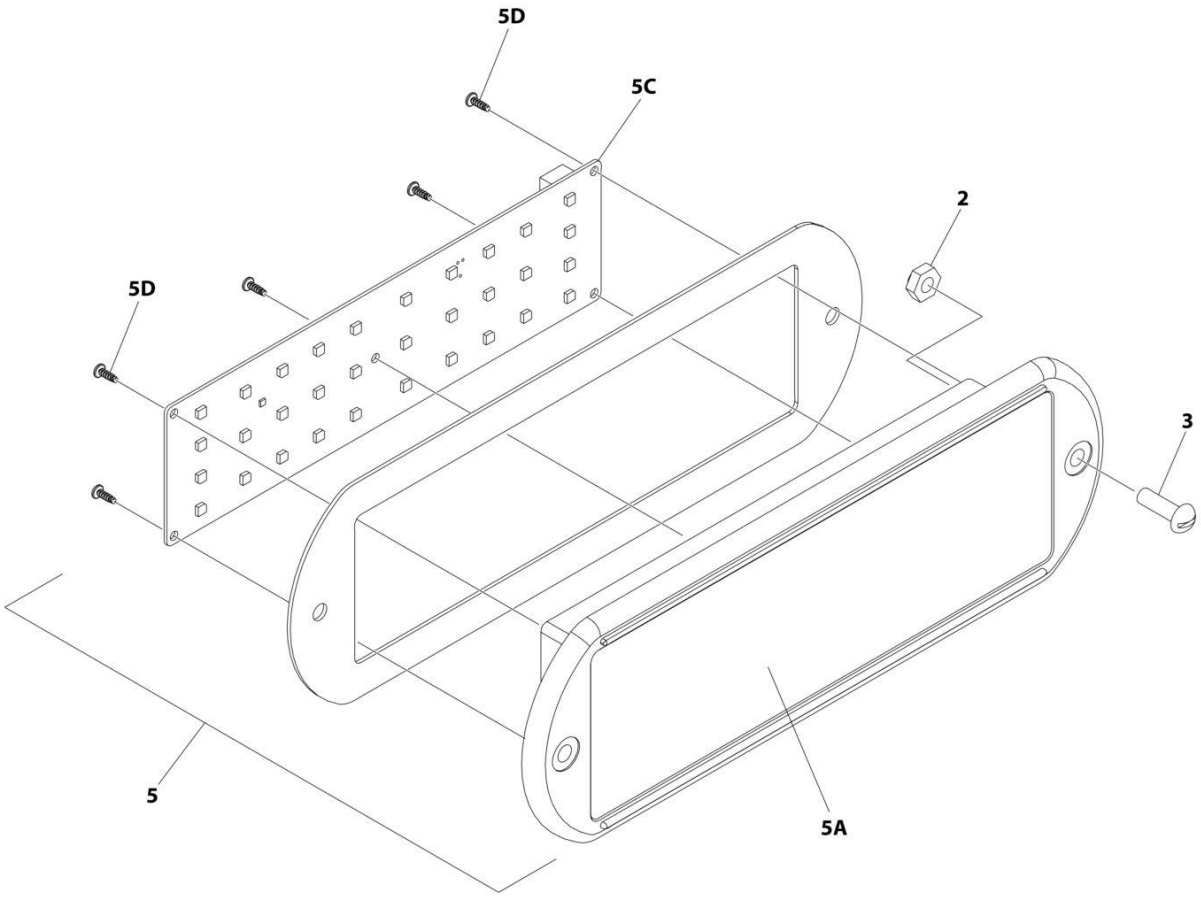


FIGURE 2-51. LIGHT PANEL INSTALLATION (ALL SPEC EXCEPT CE & UK CA SPEC MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241398	Ref	LIGHT PANEL INSTALLATION	B
2	3300408	2	Nut, Nylon Insert	
3	3911010	2	Screw #10 x 5/8	
5	1001238673	1	Light Panel Assembly	
5A	1001236091	1	Lens, I-Con	
5C	1001238732	1	Panel, LED Light	
5D		Ref	Screw	

FIGURE 2-52. ALARM INSTALLATION

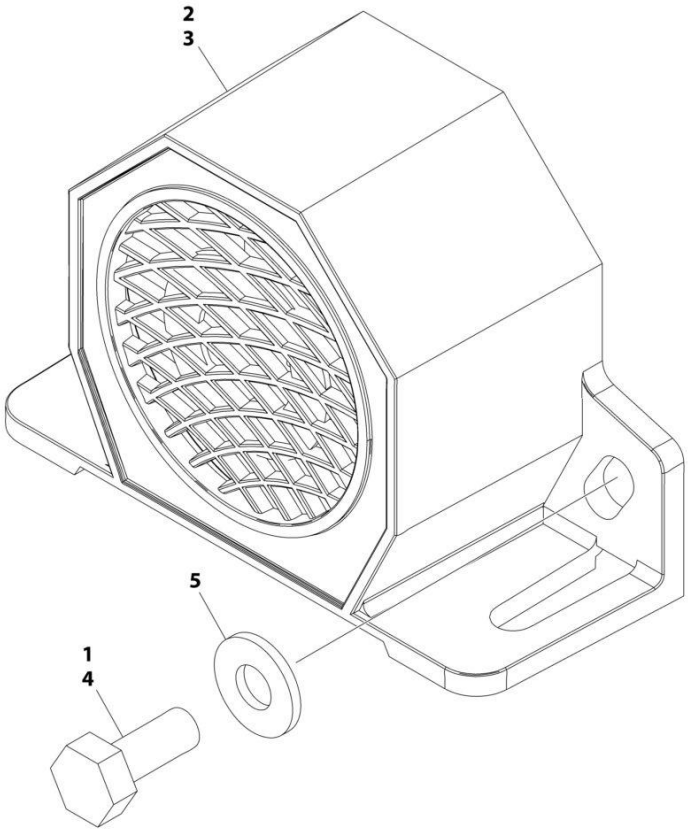


FIGURE 2-52. ALARM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158364	Ref	ALARM INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0140044	1	Alarm	
4	0641405	2	Bolt 1/4 x 5/8	
5	4711400	2	Washer 1/4	

FIGURE 2-53. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ D2011 ENGINES)

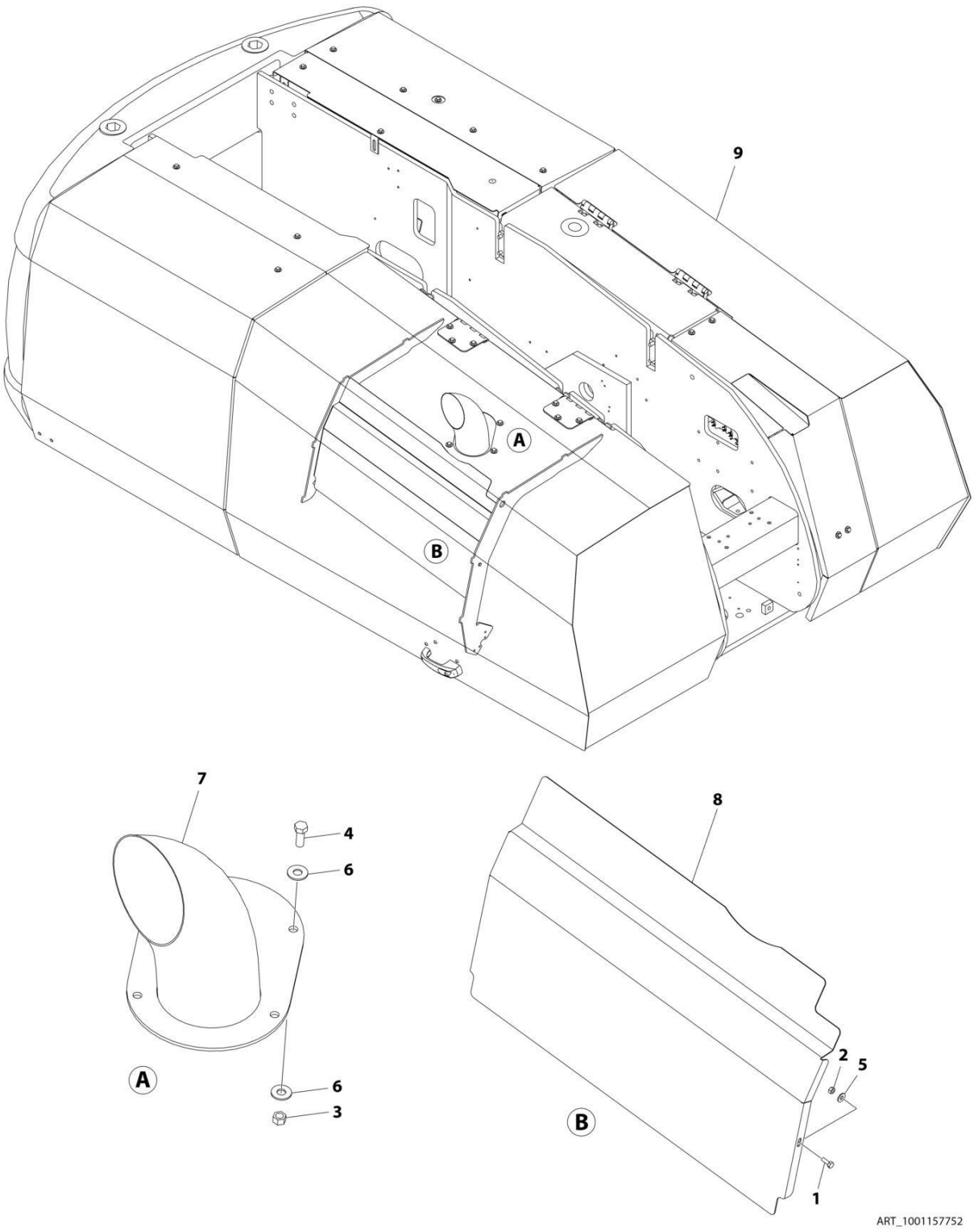


FIGURE 2-53. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001157752	Ref	EXHAUST STACK INSTALLATION - STEEL HOOD	D
1	0641406	3	Bolt 1/4 x 3/4	
2	3311405	3	Nut 1/4	
3	3311605	4	Nut 3/8	
4	0641608	4	Bolt 3/8 x 1	
5	4751400	3	Washer 1/4	
6	4751600	8	Washer 3/8	
7	1001116456	1	Stack, Exhaust	
8	1001150561	1	Shield, Heat	
9	1001157416	1	Steel Hood Installation (See Separate Breakdown in this Section)	

FIGURE 2-54. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH 03)

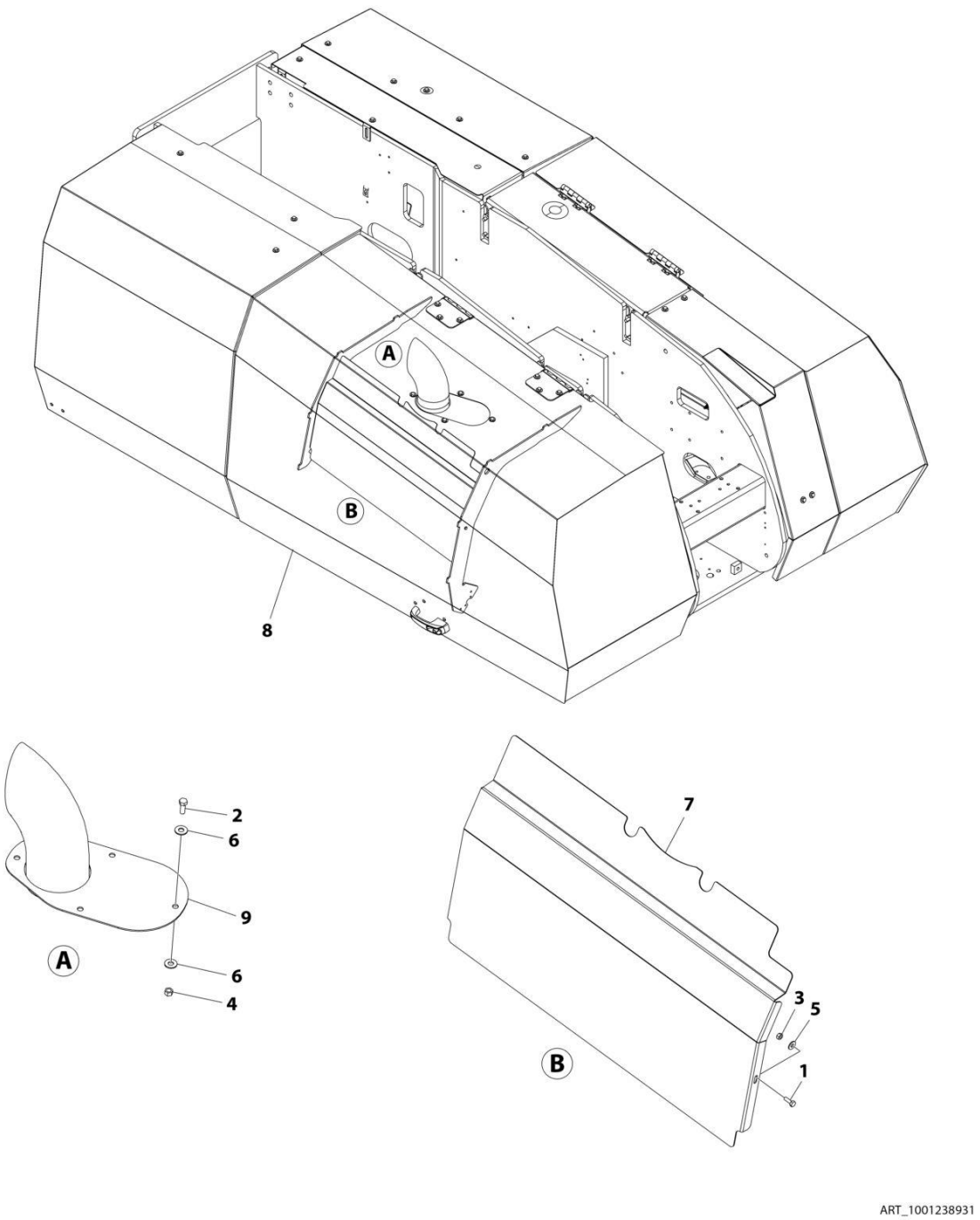


FIGURE 2-54. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001238931	Ref	EXHAUST STACK INSTALLATION - STEEL HOOD	B
1	0641406	3	Bolt 1/4 x 3/4	
2	0641608	4	Bolt 3/8 x 1	
3	3311405	3	Nut 1/4	
4	3311605	4	Nut 3/8	
5	4751400	3	Washer 1/4	
6	4751600	8	Washer 3/8	
7	1001163101	1	Shield, Heat	
8	1001237194	1	Steel Hood Installation (See Separate Breakdown in this Section)	
9	1001237259	1	Stack, Exhaust	

FIGURE 2-55. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH B3)

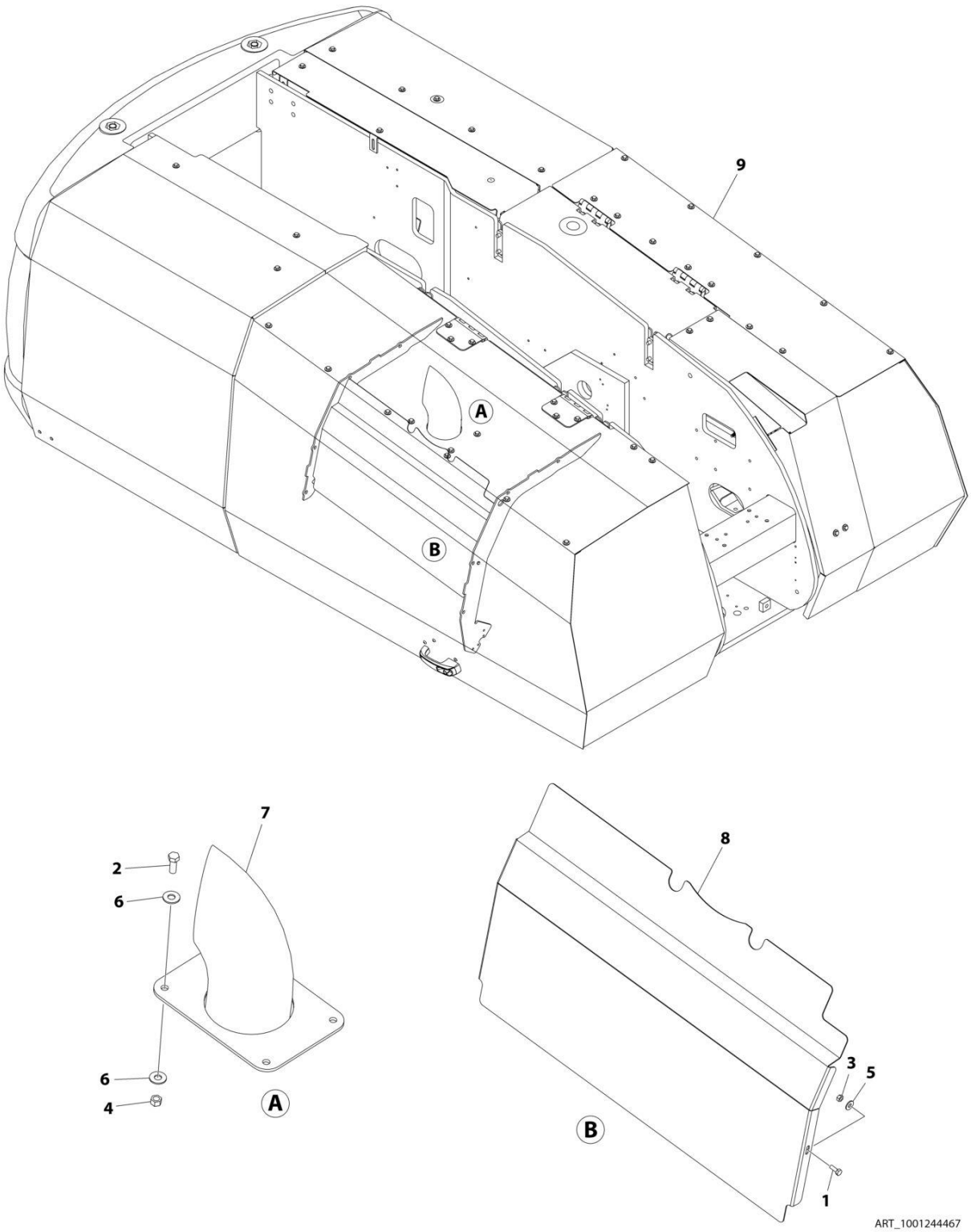


FIGURE 2-55. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION	
	1001244467	Ref	EXHAUST STACK INSTALLATION - STEEL HOOD	C
1	0641406	3	Bolt 1/4 x 3/4	
2	0641608	4	Bolt 3/8 x 1	
3	3311405	3	Nut 1/4	
4	3311605	4	Nut 3/8	
5	4751400	3	Washer 1/4	
6	4751600	8	Washer 3/8	
7	1001144527	1	Stack, Exhaust	
8	1001163101	1	Shield, Heat	
9	1001244466	1	Steel Hood Installation (See Separate Breakdown in this Section)	

FIGURE 2-56. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ TD2.9L4 (STAGE V) ENGINES) (MACHINES WITH SN STARTING WITH 03)

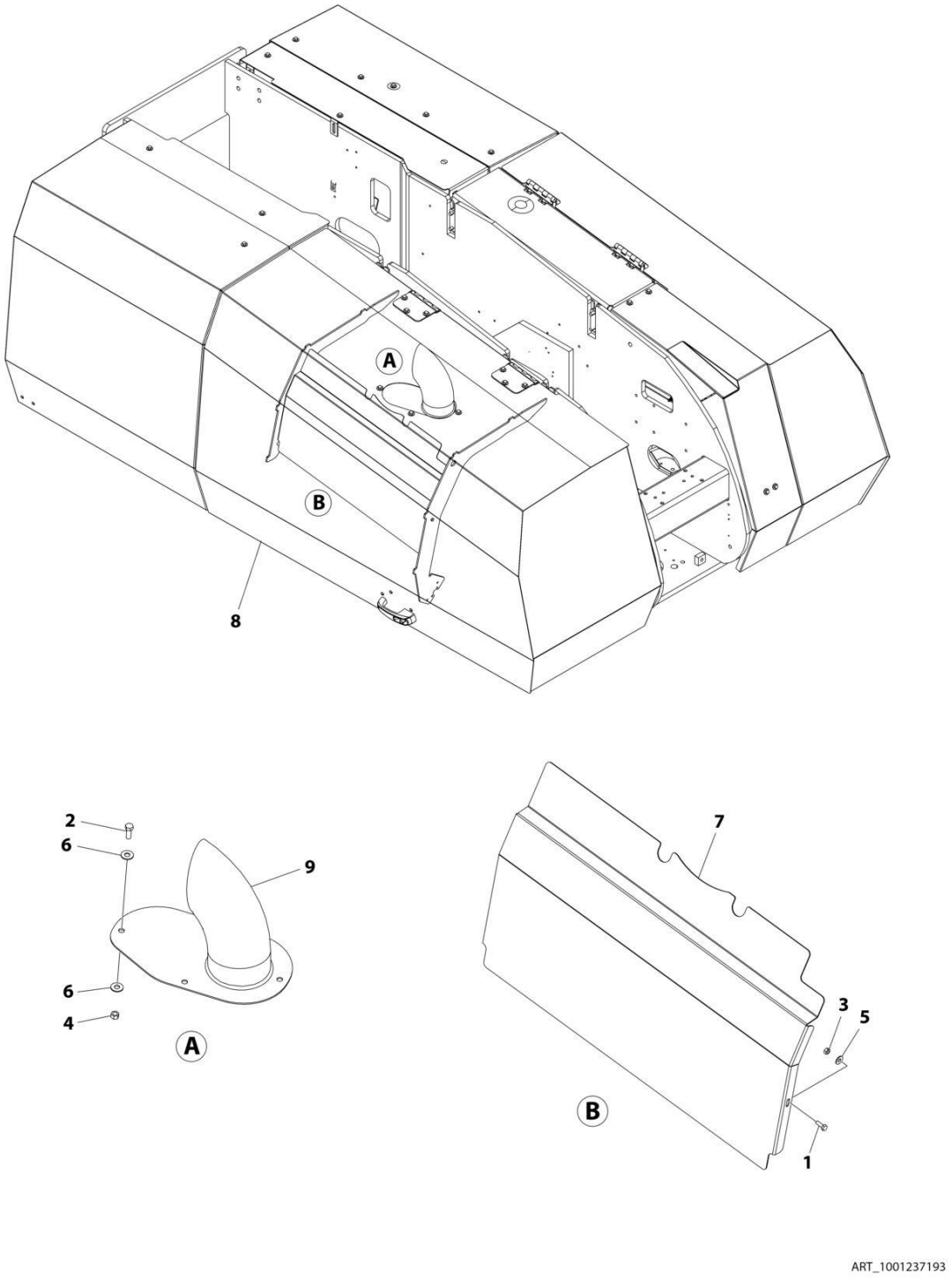


FIGURE 2-56. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ TD2.9L4 (STAGE V) ENGINES) (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001237193	Ref	EXHAUST STACK INSTALLATION - STEEL HOOD	B
1	0641406	3	Bolt 1/4 x 3/4	
2	0641608	4	Bolt 3/8 x 1	
3	3311405	3	Nut 1/4	
4	3311605	4	Nut 3/8	
5	4751400	3	Washer 1/4	
6	4751600	8	Washer 3/8	
7	1001163101	1	Shield, Heat	
8	1001237194	1	Steel Hood Installation (See Separate Breakdown in this Section)	
9	1001237261	1	Stack, Exhaust	

FIGURE 2-57. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ TD2.9L4 (STAGE V) ENGINES) (MACHINES WITH SN STARTING WITH B3)

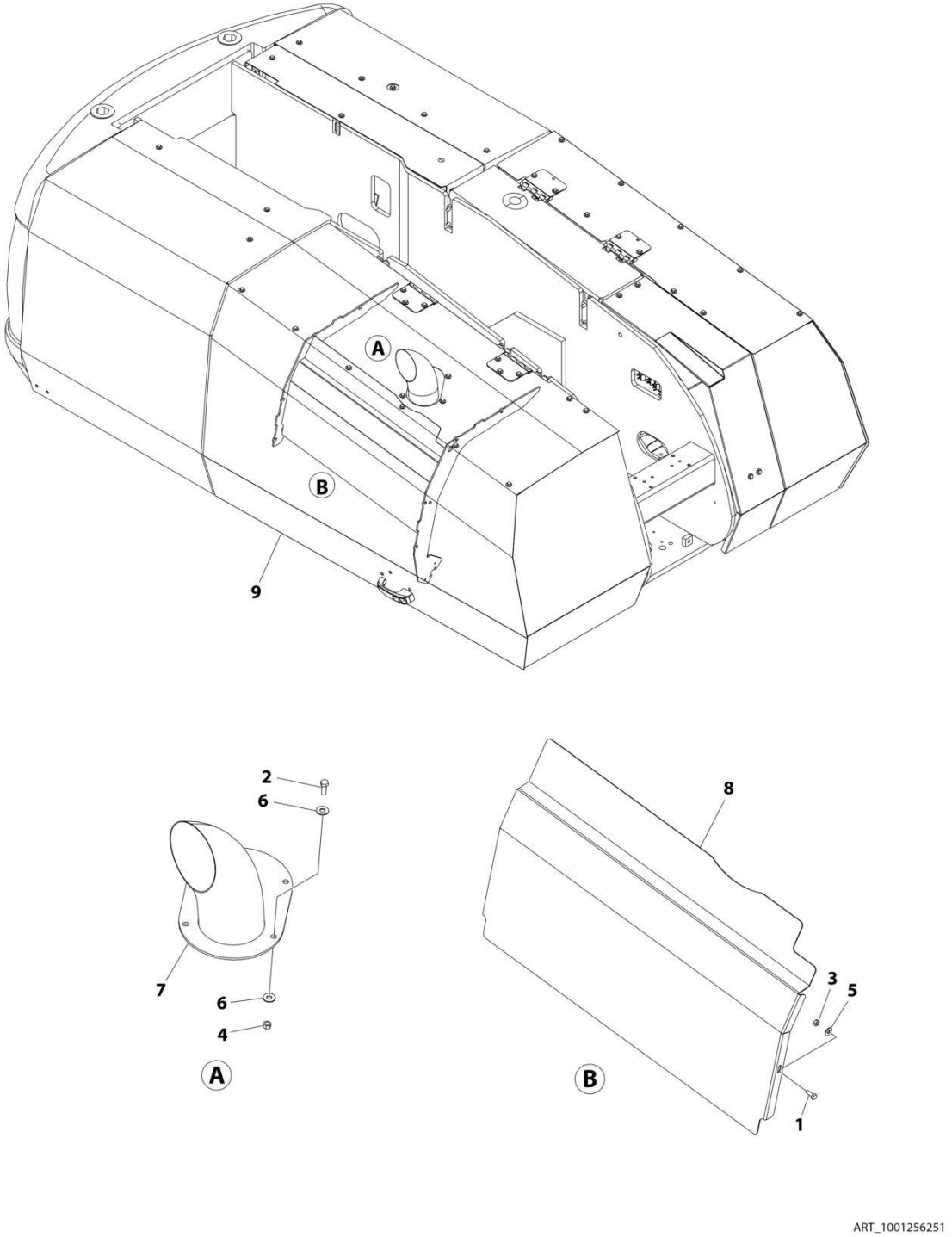


FIGURE 2-57. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ TD2.9L4 (STAGE V) ENGINES) (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION	
	1001256251	Ref	EXHAUST STACK INSTALLATION - STEEL HOOD	A
1	0641406	3	Bolt 1/4 x 3/4	
2	0641608	4	Bolt 3/8 x 1	
3	3311405	3	Nut 1/4	
4	3311605	4	Nut 3/8	
5	4751400	3	Washer 1/4	
6	4751600	8	Washer 3/8	
7	1001116456	1	Stack, Exhaust	
8	1001150561	1	Shield, Heat	
9	1001256248	1	Steel Hood Installation (See Separate Breakdown in this Section)	

FIGURE 2-58. EXHAUST STACK INSTALLATION - STEEL HOOD WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH 03)

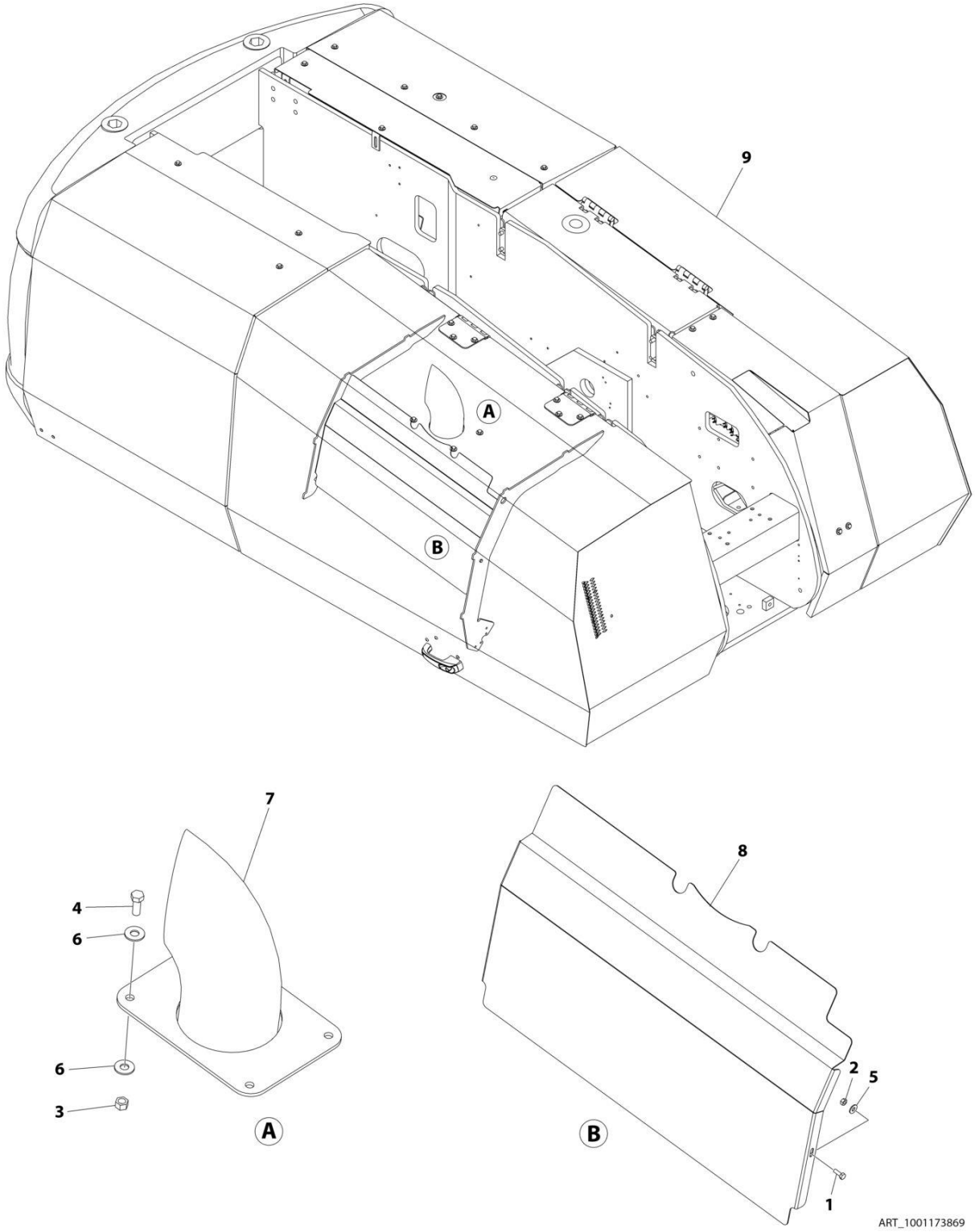


FIGURE 2-58. EXHAUST STACK INSTALLATION - STEEL HOOD WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001173869	Ref	EXHAUST STACK INSTALLATION - STEEL HOOD	C
1	0641406	3	Bolt 1/4 x 3/4	
2	3311405	3	Nut 1/4	
3	3311605	4	Nut 3/8	
4	0641608	4	Bolt 3/8 x 1	
5	4751400	3	Washer 1/4	
6	4751600	8	Washer 3/8	
7	1001144527	1	Stack, Exhaust	
8	1001163101	1	Shield, Heat	
9	1001173870	1	Steel Hood Installation (See Separate Breakdown in this Section)	

FIGURE 2-59. EXHAUST STACK INSTALLATION - STEEL HOOD WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH B3)

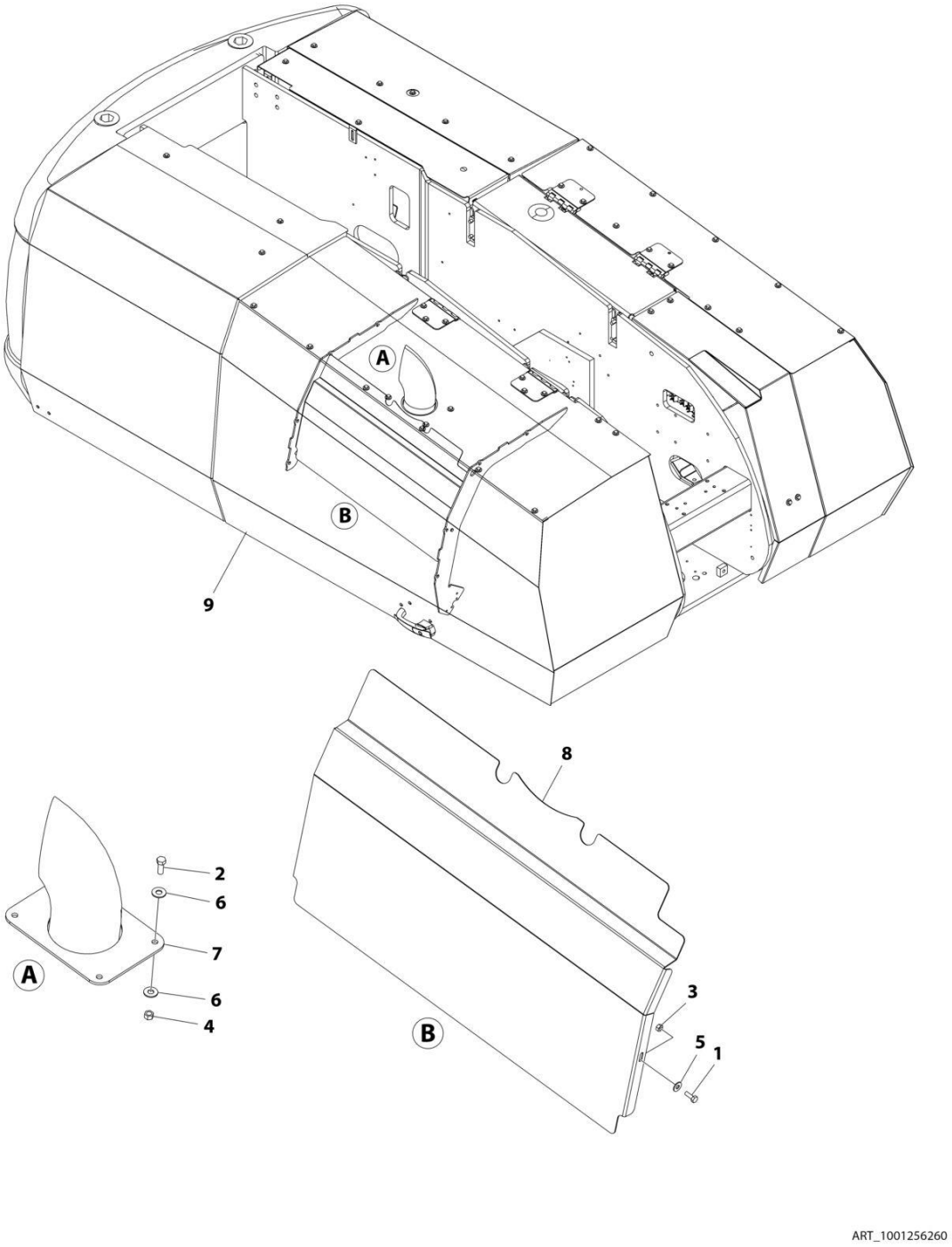


FIGURE 2-59. EXHAUST STACK INSTALLATION - STEEL HOOD WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION	
	1001256260	Ref	EXHAUST STACK INSTALLATION - STEEL HOOD	A
1	0641406	3	Bolt 1/4 x 3/4	
2	0641608	4	Bolt 3/8 x 1	
3	3311405	3	Nut 1/4	
4	3311605	4	Nut 3/8	
5	4751400	3	Washer 1/4	
6	4751600	8	Washer 3/8	
7	1001144527	1	Stack, Exhaust	
8	1001163101	1	Shield, Heat	
9	1001256259	1	Steel Hood Installation (See Separate Breakdown in this Section)	

FIGURE 2-60. EXHAUST STACK INSTALLATION - STEEL HOOD (FORD DF 2.5L ENGINES)

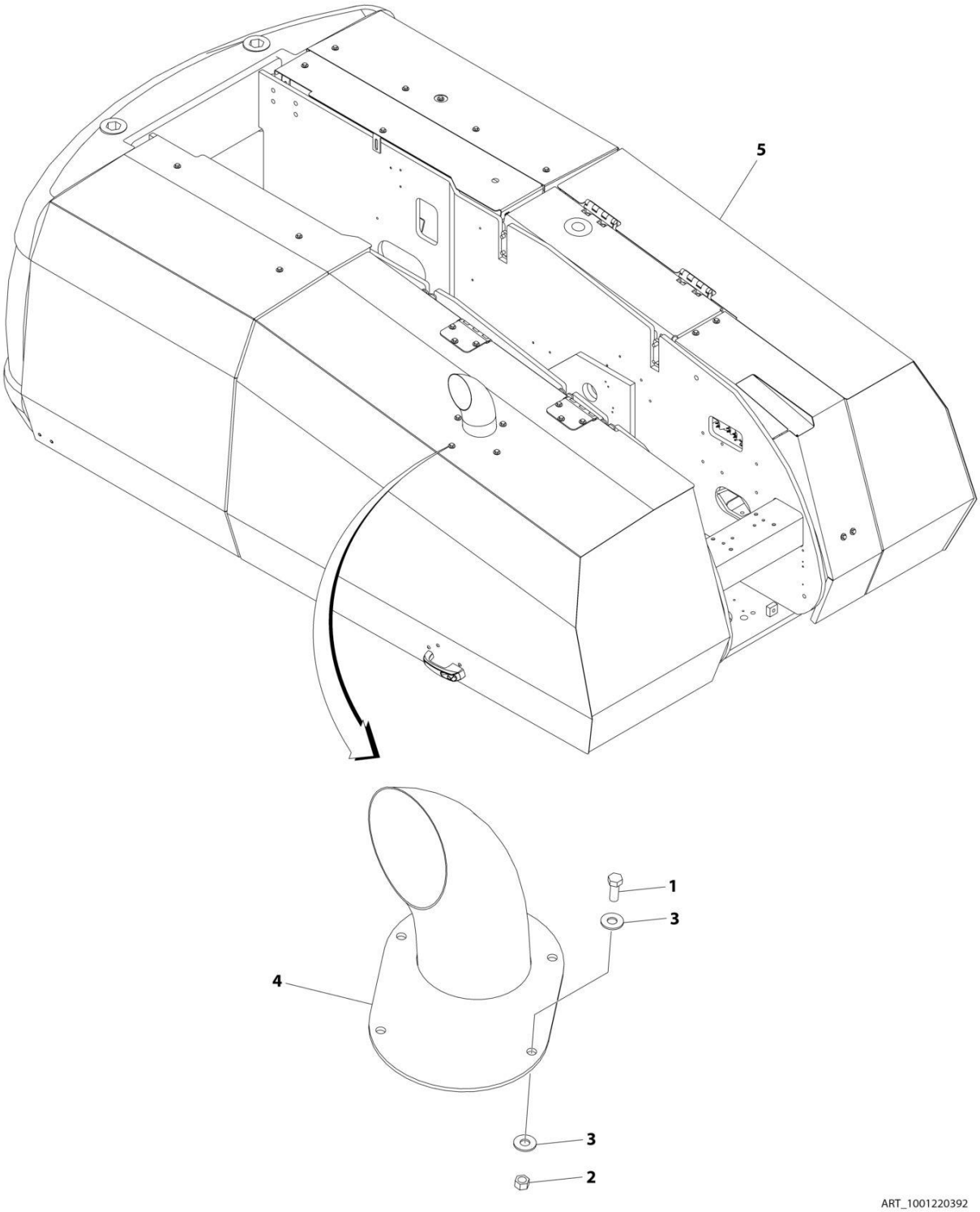
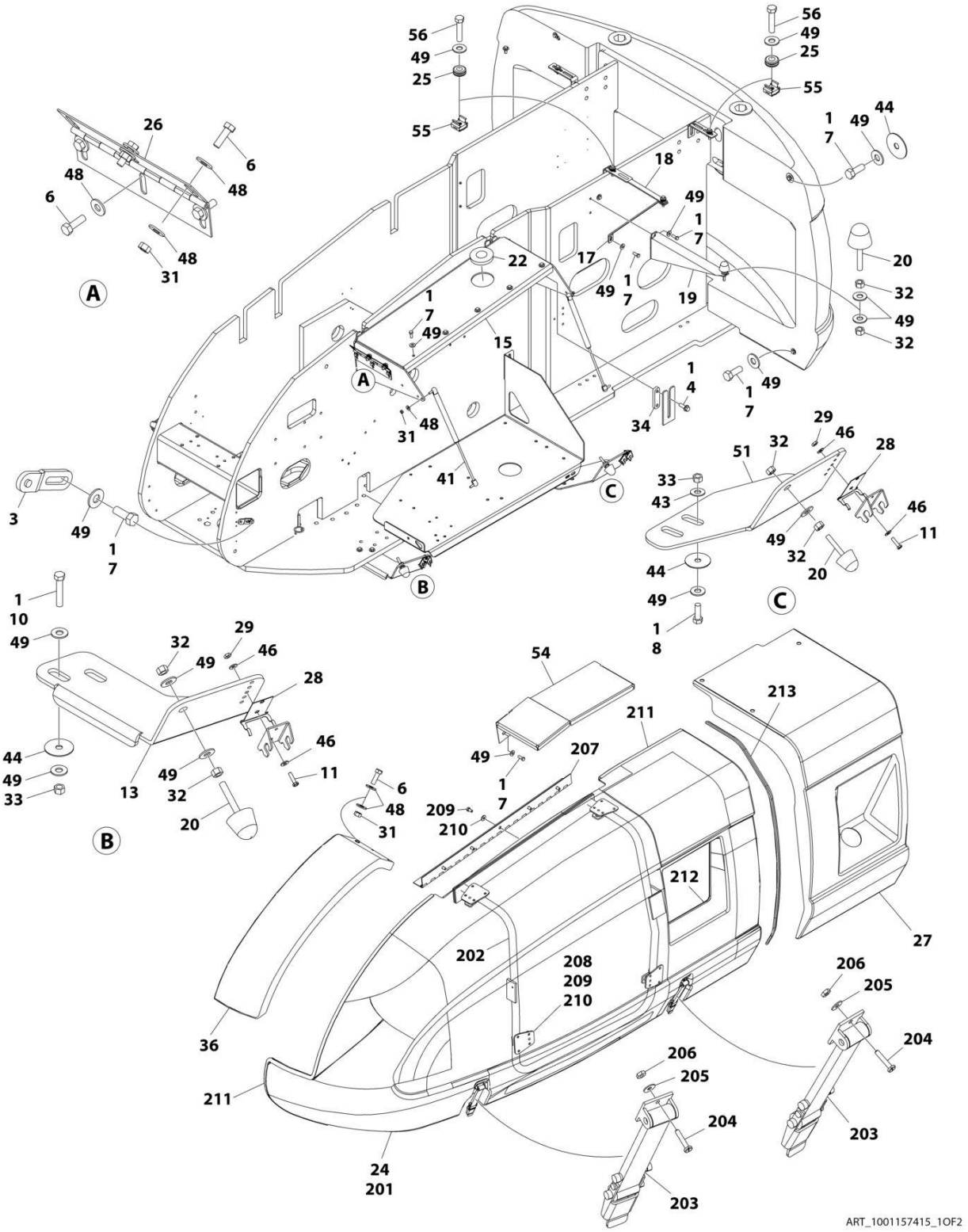


FIGURE 2-60. EXHAUST STACK INSTALLATION - STEEL HOOD (FORD DF 2.5L ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION	
	1001220392	Ref	EXHAUST STACK INSTALLATION - STEEL HOOD	B
1	0641608	4	Bolt 3/8 x 1	
2	3311605	4	Nut 3/8	
3	4751600	8	Washer 3/8	
4	1001116457	1	Stack, Exhaust	
5	1001220393	1	Steel Hood Installation (See Separate Breakdown in this Section)	

FIGURE 2-61. HOODS INSTALLATION - ABS (DEUTZ D2011 ENGINES)



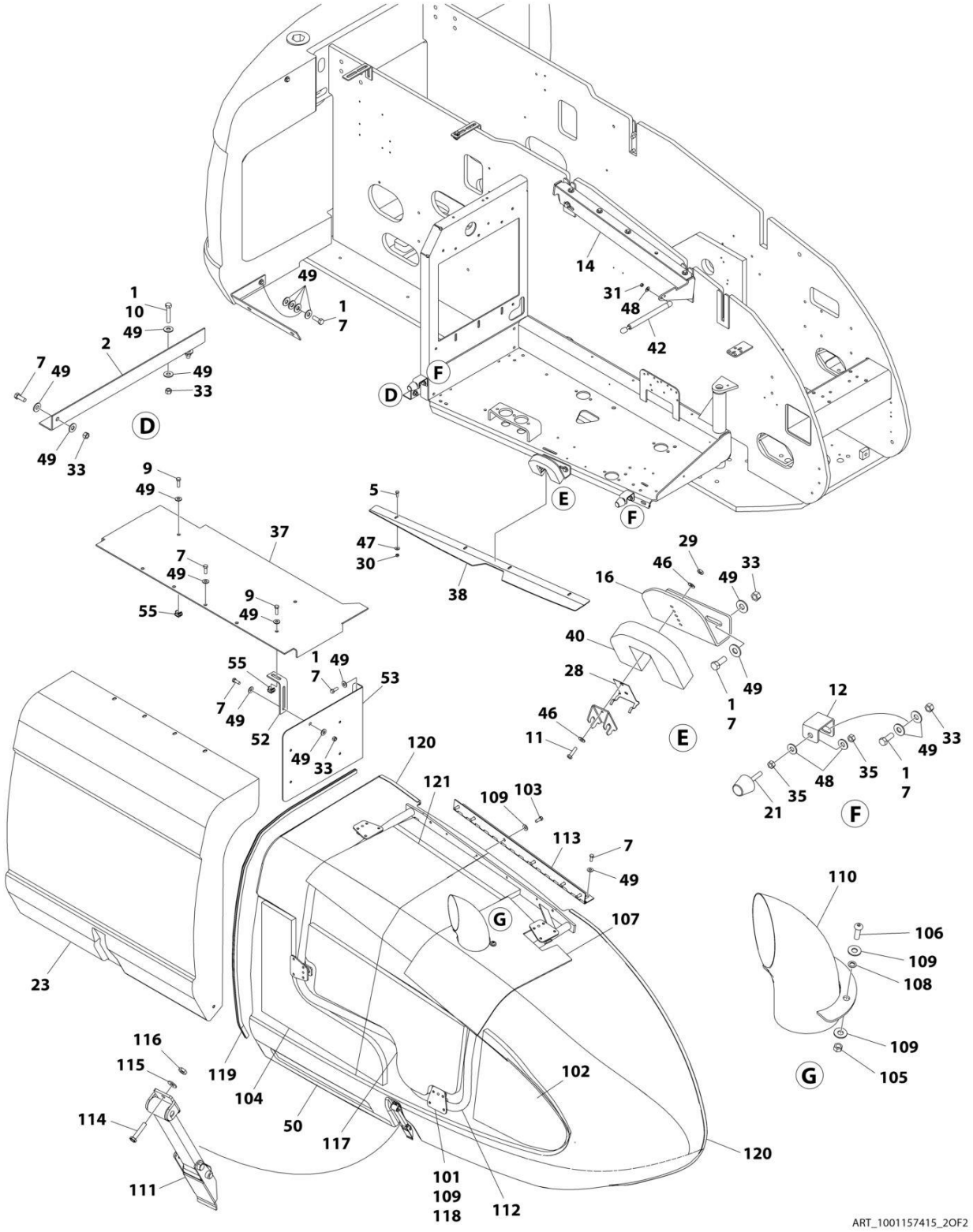
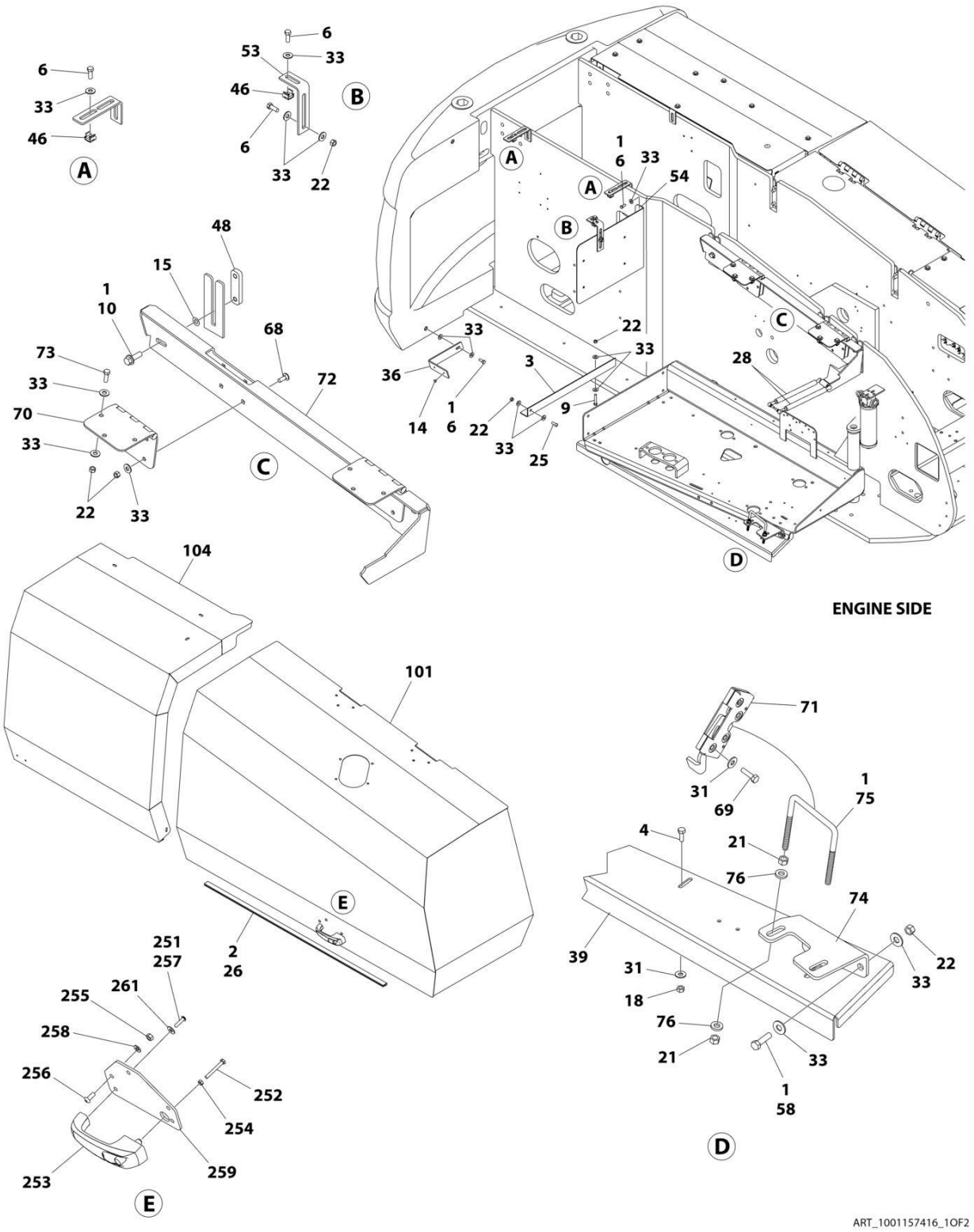

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FIGURE 2-61. HOODS INSTALLATION - ABS (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001157415	Ref	HOODS INSTALLATION - DEUTZ D2011 & GM ENGINES	G
1	0100011	AR	Compound, Locking	
2	1001161711	1	Angle, Hood Support	
3	0362770	1	Bar, Panel Mounting	
4	0811812	8	Bolt 1/2 x 1-1/2	
5	0641406	4	Bolt 1/4 x 3/4	
6	0641508	6	Bolt 5/16 x 1	
7	0641608	32	Bolt 3/8 x 1	
8	0641609	2	Bolt 3/8 x 1-1/8	
9	0641610	3	Bolt 3/8 x 1-1/4	
10	0641616	4	Bolt 3/8 x 2	
11	0721006	6	Screw #10 x 3/4	
12	0902219	2	Bracket, Bumper	
13	0902223	1	Bracket, Latch	
14	1001207558	1	Bracket, Hood Mounting	
15	0902412	1	Bracket, Hood Mounting	
16	0902491	1	Bracket, Latch	
17	0902673	1	Bracket, Support (Front Cover)	
18	0902674	1	Bracket, Support (Front Cover)	
19	0902769	1	Bracket, Bumper Support	
20	0940071	3	Bumper	
21	0940088	2	Bumper	
22	1120601	1	Plug, Cap	
23	1671201	1	Cover	
24	1671228	1	Hood Assembly - Tank Side (See Items 201-213 for Breakdown)	
25	2540035	3	Grommet	
26	2600244	1	Hinge, Adapter Panel	
27	2680490	1	Hood, Right Cover	
28	2940188	3	Latch, Spring Clip	
29	3311005	6	Nut #10	
30	3311405	4	Nut 1/4	
31	3311505	9	Nut 5/16	
32	3311601	6	Nut 3/8	
33	3311605	12	Nut 3/8	
34	1001150260	4	Plate	
35	3321501	4	Nut 5/16	
36	3380444	1	Panel, Adapter	
37	3380575	1	Panel, Cover	
38	1001208024	1	Plate, Seal	
39	3960389	3.5 ft/ 1.1m	Seal (Not Shown)	
40	3960470	1	Seal, Latch	
41	4160139	2	Spring, Gas (Tank Side)	
42	4160143	1	Spring, Gas (Engine Side)	
43	4711600	2	Washer 3/8	
44	4740076	5	Washer, Fender	
46	4751000	12	Washer #10	
47	4751400	4	Washer 1/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	4751500	19	Washer 5/16	
49	4751600	62	Washer 3/8	
50	1001099138	1	Hood Assembly - Engine Side (See Items 101-151 for Breakdown)	
51	1001157021	1	Bracket	
52	1001157474	1	Bracket	
53	1001157475	1	Panel	
54	1001157736	1	Panel	
55	1001126828	6	Nut, Tinnerman	
56	0641614	3	Bolt 3/8 x 1-3/4	
	1001099138	Ref	HOOD ASSEMBLY (ENGINE SIDE)	C
101	0641606	4	Bolt 3/8 x 3/4	
102	2820233	1	Insulation, Rear Sound	
103	0641608	6	Bolt 3/8 x 1	
104	2820235	1	Insulation, Rear Sound	
105	3311605	2	Nut 3/8	
106	3900232	2	Screw, Button Head 3/8 x 1-1/4	
107	1001101623	1	Shield, Heat Gasket	
108	4740500	2	Washer (Special)	
109	4751600	14	Washer 3/8	
110	1001099121	1	Tube, Exhaust	
111	2940088	1	Latch	
112	1671230	1	Frame, Tubular	
113	2600209	1	Hinge	
114	0721008	2	Screw, Machine #10 x 1	
115	4751000	2	Washer #10	
116	3311001	2	Nut #10	
117	2820234	1	Insulation, Center Sound	
118	1321384	4	Hold Down	
119	3960462	61 in/ 1.55m	Seal	
120	3960464	65 in/ 1.67m	Seal	
121	1001101673	1	Insulation	
	1671228	Ref	HOOD ASSEMBLY (TANK SIDE)	B
201	1671231	1	Hood	
202	1671232	1	Frame, Tubular	
203	2940088	2	Latch	
204	0721008	4	Screw, Machine #10 x 1	
205	4751000	4	Washer #10	
206	3311001	4	Nut #10	
207	2600233	1	Hinge	
208	1321384	4	Hold Down	
209	0641606	9	Bolt 3/8 x 3/4	
210	4711600	9	Washer 3/8	
211	3960464	65 in/ 2.11m	Seal	
212	3960438	55 in/1.4m	Seal	
213	3960462	53 in/ 1.35m	Seal	
	0272081	Ref	NOISE REDUCTION INSTALLATION (DEUTZ ENGINE MACHINES)	4-D
301	2820078	1	Foam, Acoustical (Not Shown)	

FIGURE 2-62. HOODS INSTALLATION - STEEL (DEUTZ D2011 ENGINES)



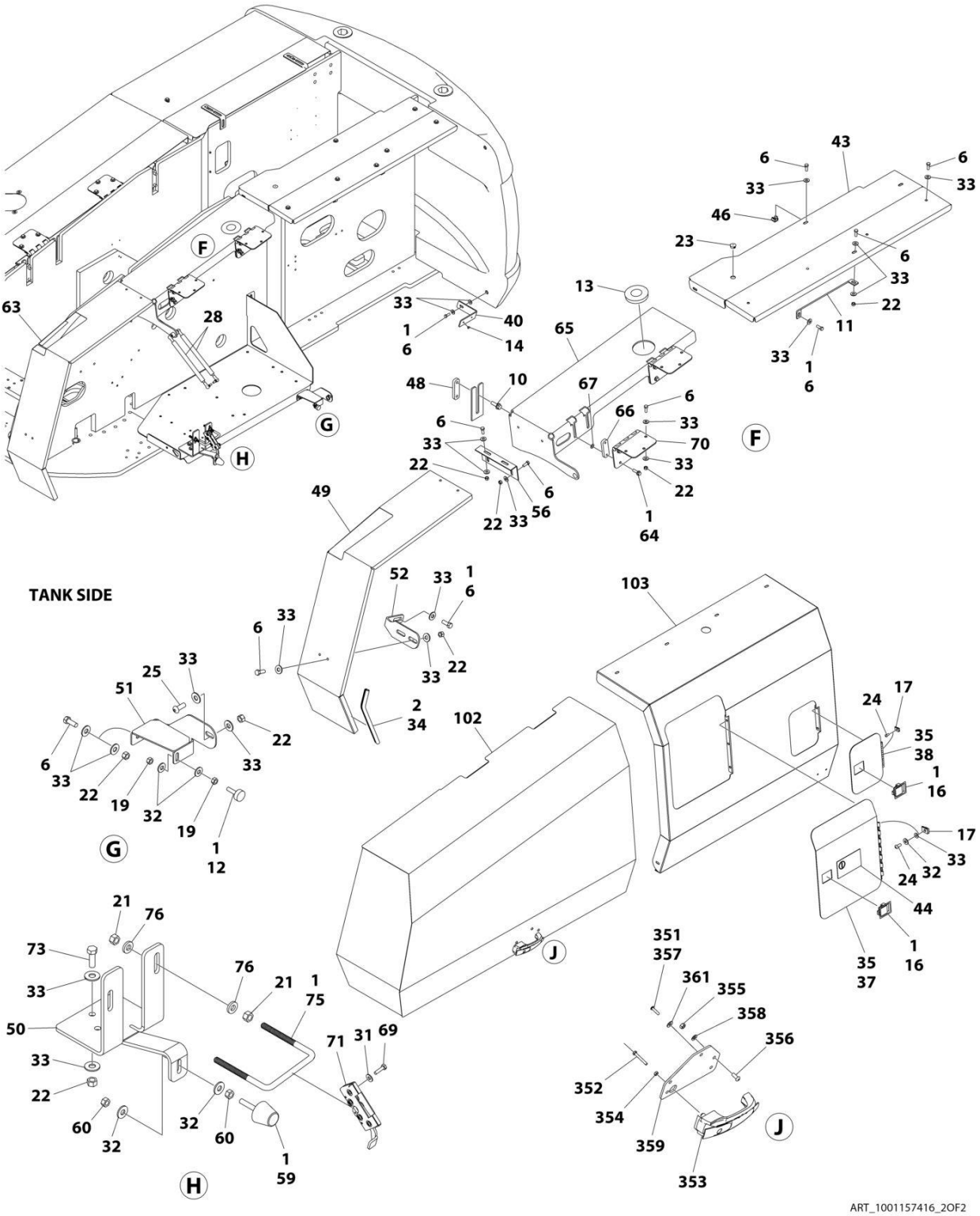
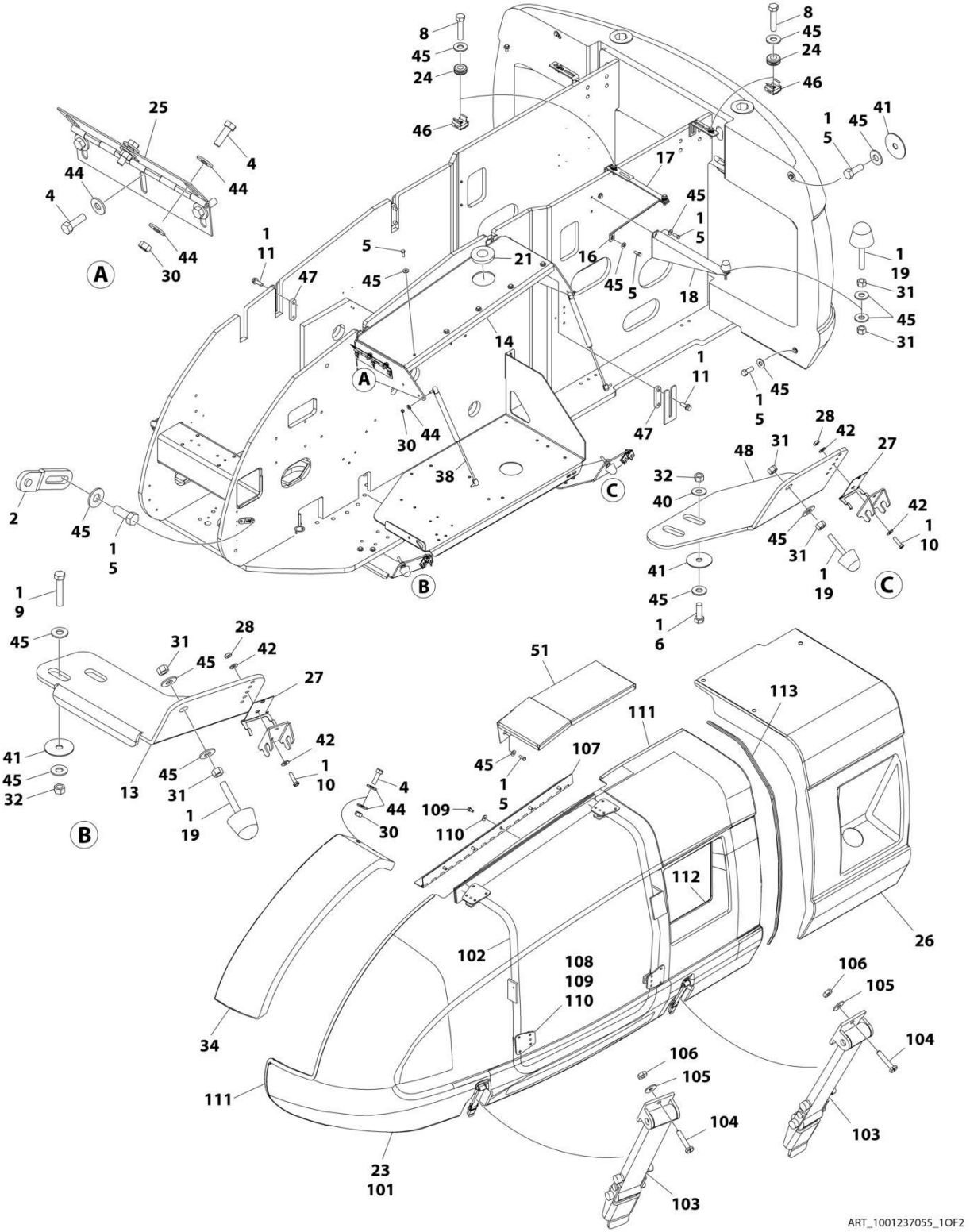

TANK SIDE
ART_1001157416_2OF2

FIGURE 2-62. HOODS INSTALLATION - STEEL (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001157416	Ref	HOODS INSTALLATION	J
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	1001161711	1	Mount	
4	0641406	4	Bolt 1/4 x 3/4	
6	0641608	31	Bolt 3/8 x 7/8	
9	0641616	2	Bolt 3/8 x 2	
10	0811812	8	Bolt 1/2 x 1-1/2	
11	0902673	1	Bracket	
12	0940049	1	Stopper, Hood	
13	1120601	1	Plug	
14	2080040	4	Fastener, Huck	
15	2080072	4	Retainer	
16	2940045	2	Latch, Paddle	
17	3300364	5	Nut, Tinnerman	
18	3311405	4	Nut 1/4	
19	3311501	2	Nut 5/16	
21	3311601	8	Nut 3/8	
22	3311605	39	Nut 3/8	
23	3520030	1	Plug, Hole	
24	3900210	5	Screw, Button Head 5/16 x 3/4	
25	3900316	2	Screw, Button Head 3/8 x 1	
26	3960389	54 in/1.4m	Seal	
28	4160194	4	Spring, Gas	
31	4751400	12	Washer 1/4	
32	4751500	7	Washer 5/16	
33	4751600	80	Washer 3/8	
34	1001110166	59 in /1.5mm	Seal	
35	1001113047	84 in /2.14m	Seal	
36	1001116280	1	Bracket, Hood	
37	1001116322	1	Door	
38	1001116344	1	Door	
39	1001117249	1	Plate, Seal	
40	1001116358	1	Bracket	
43	1001117027	1	Bracket	
44	1001117307	1	Decal - Emergency Stop	
46	1001126828	5	Nut, Tinnerman	
48	1001150260	4	Plate	
49	1001173580	1	Plate	
50	1001250295	1	Bracket, Striker	
51	1001157025	1	Bracket	
52	1001157344	1	Bracket	
53	1001157474	1	Bracket	
54	1001157475	1	Panel	
56	1001157612	1	Bracket	
58	0641611	2	Bolt 3/8 x 1-3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
59	0940088	1	Bumper	
60	3321501	2	Nut 5/16	
63	4420038	6 in/16cm	Tape	
64	0811610	8	Screw 3/8 x 1-1/4	
65	1001157284	1	Mount	
66	1001186251	4	Plate	
67	8310070	8	Push-nut 3/8	
68	0630485	8	Bolt, Carriage	
69	0641408	8	Bolt 1/4 x 1	
70	1001186254	4	Hinge	
71	2940173	2	Latch	
72	1001196768	1	Bracket	
73	0641609	9	Bolt 3/8 x 1-1/8	
74	1001250294	1	Bracket	
75	1001243414	2	Bolt 3/8	
76	4891600	8	Washer 3/8	
100	1001174283	1	Hood Kit - Standard Machines (Not Shown - Includes Items 101-104)	C
101	1001157208	1	Hood Assembly - Engine Side Rear (See Items 251-261 for Breakdown)	
102	1001157209	1	Hood Assembly - Tank Side Rear (See Items 351-361 for Breakdown)	
103	1001116558	1	Hood - Tank Side Front	
104	1001116620	1	Hood - Engine Side Front	
	1001157208	Ref	HOOD ASSEMBLY - ENGINE SIDE REAR	D
251	0100011	AR	Compound, Locking	
252	0700618	1	Bolt M6 x 50	
253	2560187	1	Handle, Push Button	
254	3290601	1	Nut M6	
255	3311505	3	Nut 5/16	
256	3900210	3	Screw, Button Head 5/16 x 3/4	
257	3900363	2	Screw, Button Head M6 x 25	
258	4711500	3	Washer 5/16	
259	1001116290	1	Plate, Latch Mounting	
261	4751400	2	Washer 1/4	
	1001157209	Ref	HOOD ASSEMBLY - TANK SIDE REAR	C
351	0100011	AR	Compound, Locking	
352	0700617	1	Bolt M6 x 45	
353	2560187	1	Handle, Push Button	
354	0700615	1	Nut M6	
355	3311505	3	Nut 5/16	
356	3900210	3	Screw, Button Head 5/16 x 3/4	
357	3900363	2	Screw, Button Head M6 x 25	
358	4711500	3	Washer 5/16	
359	1001116290	1	Plate, Latch Mounting	
361	4751400	2	Washer 1/4	
	0272081	Ref	NOISE REDUCTION INSTALLATION (DEUTZ ENGINE MACHINES)	4-D
401	2820078	1	Foam, Acoustical (Not Shown)	

FIGURE 2-63. HOODS INSTALLATION - ABS (DEUTZ TD2.9L4 (STAGE V) ENGINES) (CE & UK CA SPECS)



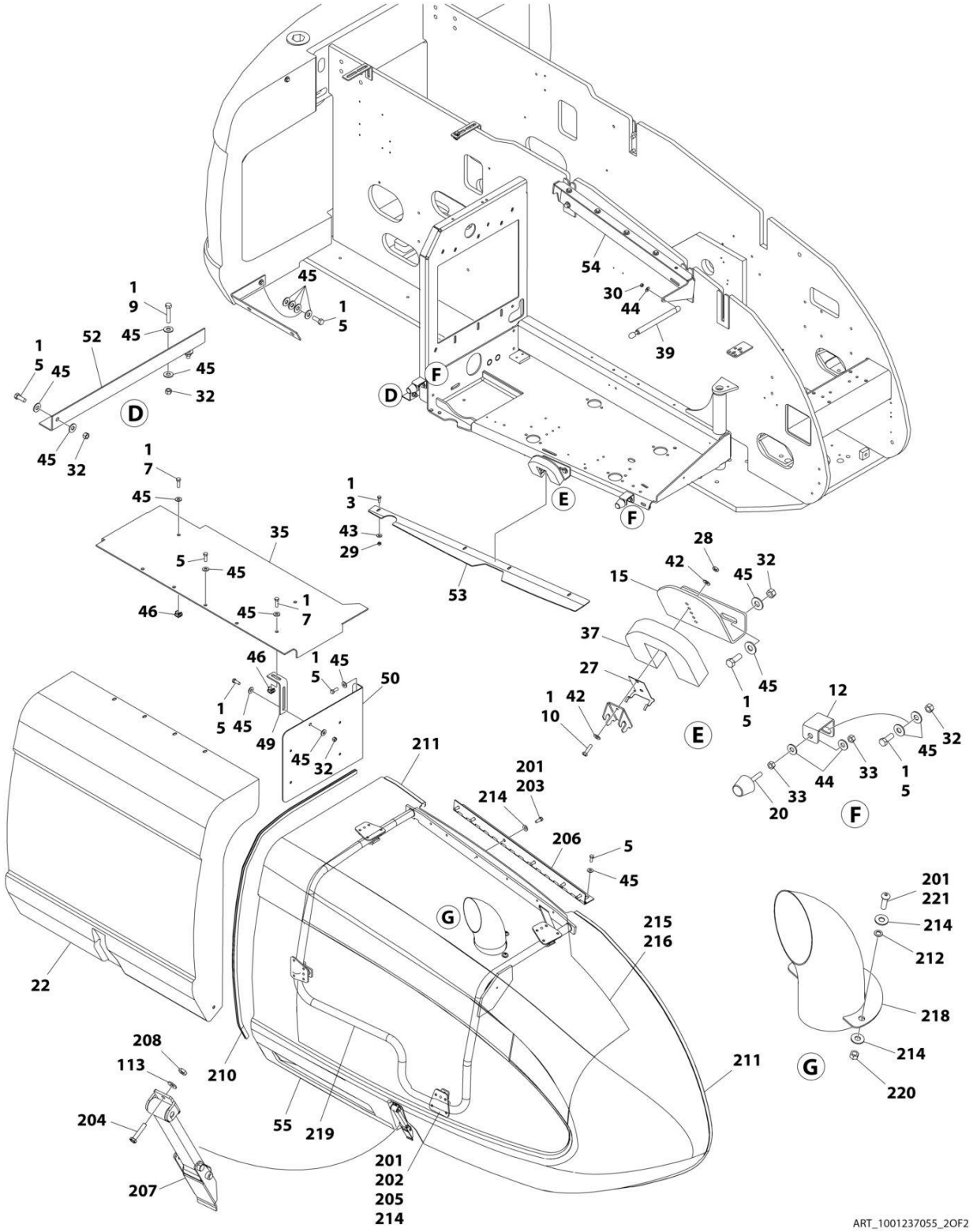
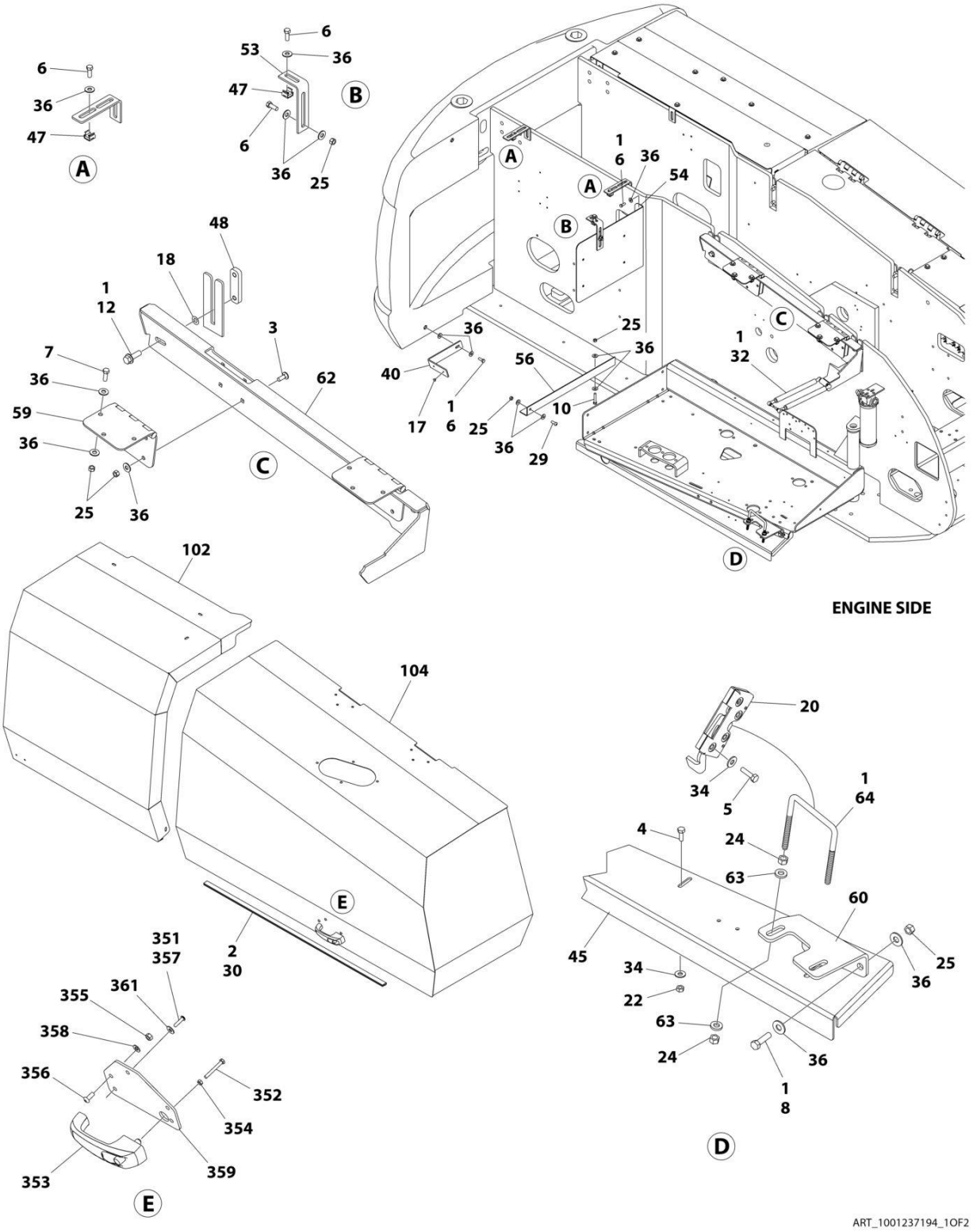

ART_1001237055_2OF2

FIGURE 2-63. HOODS INSTALLATION - ABS (DEUTZ TD2.9L4 (STAGE V) ENGINES) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001237055	Ref	HOODS INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0362770	1	Bar, Panel Mounting	
3	0641406	4	Bolt 1/4 x 3/4	
4	0641508	6	Bolt 5/16i x 1	
5	0641608	32	Bolt 3/8 x 1	
6	0641609	2	Bolt 3/8 x 1-1/8	
7	0641610	3	Bolt 3/8 x 1-1/4	
8	0641614	3	Bolt 3/8 x 1-3/4	
9	0641616	4	Bolt 3/8 x 2	
10	0721006	6	Screw #10 x 3/4	
11	0811812	8	Bolt 1/2 x 1-1/2	
12	0902219	2	Bracket, Bumper	
13	0902223	1	Bracket, Latch	
14	0902412	1	Bracket, Hood Mounting	
15	0902491	1	Bracket, Latch	
16	0902673	1	Bracket, Support (Front Cover)	
17	0902674	1	Bracket, Support (Front Cover)	
18	0902769	1	Bracket, Bumper Support	
19	0940071	3	Bumper	
20	0940088	2	Bumper	
21	1120601	1	Plug, Cap	
22	1671201	1	Cover	
23	1671228	1	Hood Assembly - Tank Side (See Items 101-113 for Breakdown)	
24	2540035	3	Grommet	
25	2600244	1	Hinge, Adapter Panel	
26	2680490	1	Hood, Right Cover	
27	2940188	3	Latch, Spring Clip	
28	3311005	6	Nut #10	
29	3311405	4	Nut 1/4	
30	3311505	9	Nut 5/16	
31	3311601	6	Nut 3/8	
32	3311605	12	Nut 3/8	
33	3321501	4	Nut 5/16	
34	3380444	1	Panel, Adapter	
35	3380575	1	Panel, Cover	
36	3960389	3.5 ft/ 1.1m	Seal (Not Shown)	
37	3960470	1	Seal, Latch	
38	4160139	2	Spring, Gas (Tank Side)	
39	4160143	1	Spring, Gas (Engine Side)	
40	4711600	2	Washer 3/8	
41	4740076	5	Washer, Fender	
42	4751000	12	Washer #10	
43	4751400	4	Washer 1/4	
44	4751500	19	Washer 5/16	
45	4751600	63	Washer 5/16	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001126828	6	Nut, Tinnerman	
47	1001150260	4	Plate	
48	1001157021	1	Bracket	
49	1001157474	1	Bracket	
50	1001157475	1	Panel	
51	1001157736	1	Panel	
52	1001161711	1	Angle, Hood Support	
53	1001204648	1	Plate, Seal	
54	1001236392	1	Bracket, Hood Mounting	
55	1001236387	1	Hood Assembly - Engine Side (See Items 201-251 for Breakdown)	
	1671228	Ref	HOOD ASSEMBLY (TANK SIDE)	A
101	1671231	1	Hood	
102	1671232	1	Frame, Tubular	
103	2940088	2	Latch	
104	0721008	4	Screw, Machine #10 x 1	
105	4751000	4	Washer #10	
106	3311001	4	Nut #10	
107	2600233	1	Hinge	
108	1321384	4	Hold Down	
109	0641606	9	Bolt 3/8 x 3/4	
110	4711600	9	Washer 3/8	
111	3960464	83 in/ 2.11m	Seal	
112	3960438	55 in/1.4m	Seal	
113	3960462	53 in/ 1.35m	Seal	
	1001236387	Ref	HOOD ASSEMBLY (ENGINE SIDE)	C
201	0100011	1	Compound, Locking	
202	0641606	4	Bolt 3/8 x 3/4	
203	0641608	6	Bolt 3/8 x 1	
204	0721008	2	Screw, Machine #10 x 1	
205	1321384	4	Hold Down	
206	2600209	1	Hinge	
207	2940088	1	Latch	
208	3311001	2	Nut #10	
210	3960462	61 in/ 1.55m	Seal	
211	3960464	65 in/ 1.67m	Seal	
212	4740500	3	Washer (Special)	
213	4751000	2	Washer #10	
214	4751600	16	Washer 3/8	
215	1001117140	AR	Tape, Aluminum	
216	1001270099	AR	Insulation, Heat	
218	1001236389	1	Tube, Exhaust	
219	1001236871	1	Frame, Tubular	
220	3271601	3	Nut 3/8	
221	3900232	3	Screw, Button Head 3/8 x 1-1/4	

FIGURE 2-64. HOODS INSTALLATION – STEEL (DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES) (MACHINES WITH SN STARTING WITH 03)



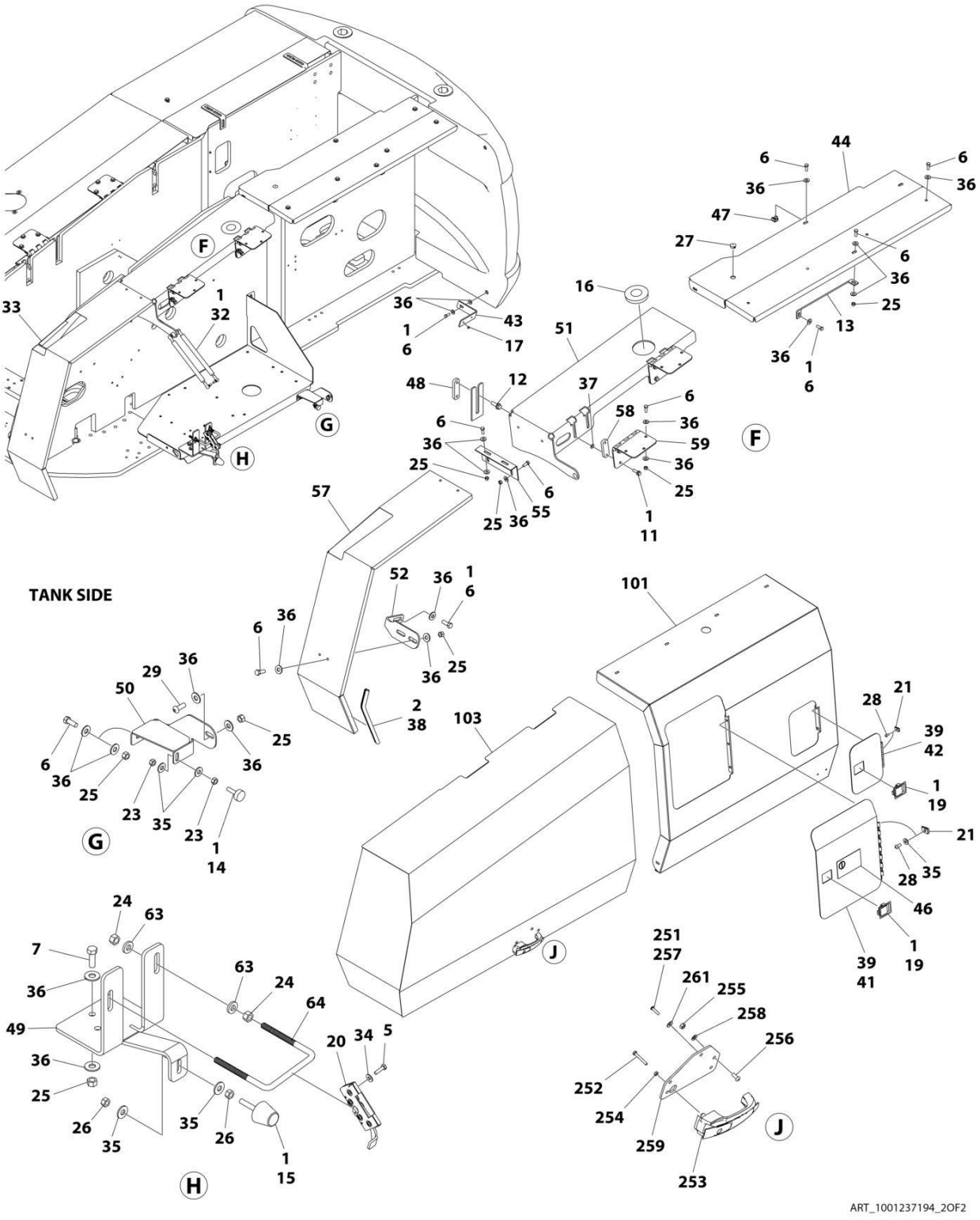
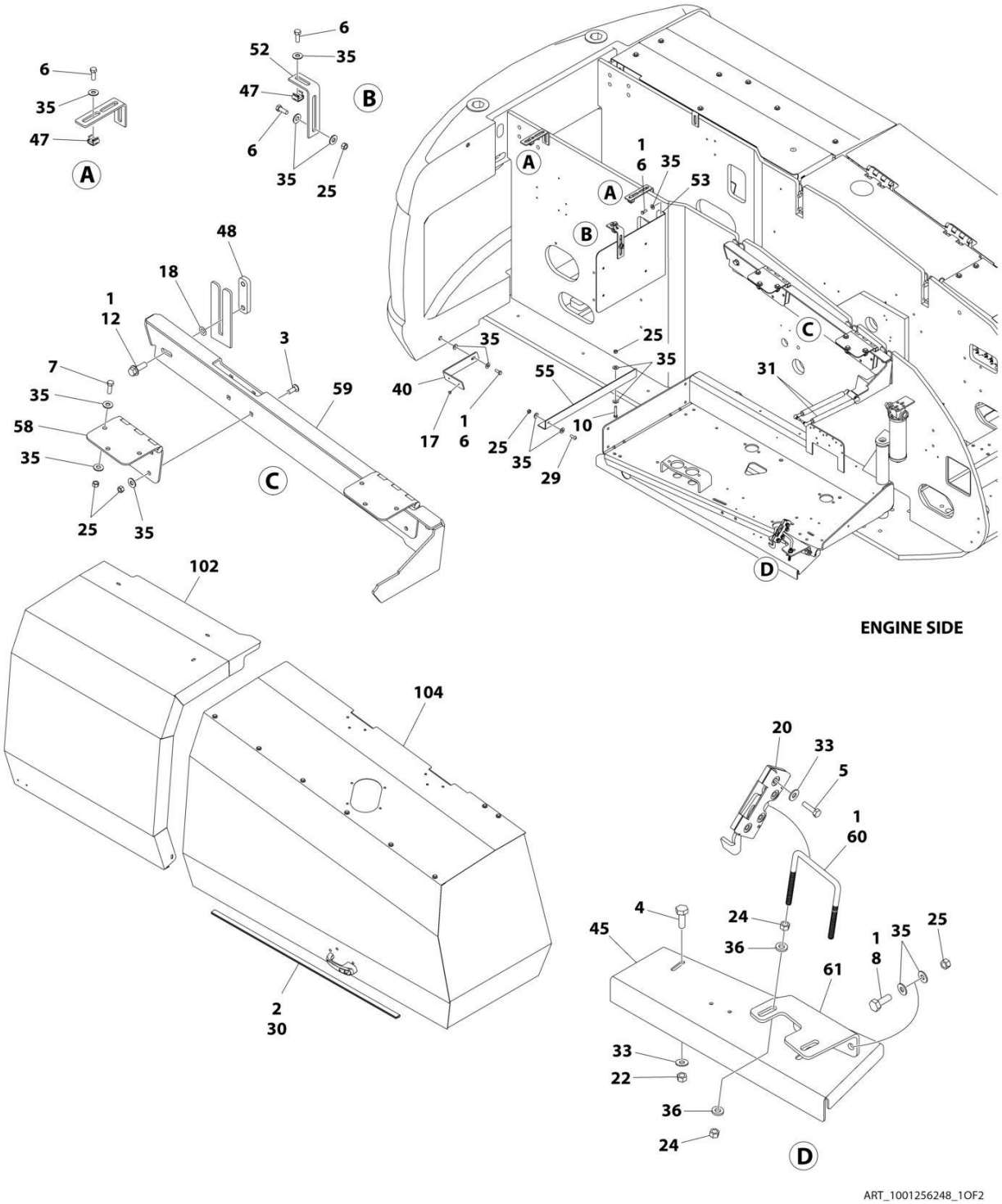

TANK SIDE
ART_1001237194_2OF2

FIGURE 2-64. HOODS INSTALLATION – STEEL (DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES) (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001237194	Ref	HOODS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0630485	8	Bolt, Carriage	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641408	8	Bolt 1/4 x 1	
6	0641608	30	Bolt 3/8 x 7/8	
7	0641609	9	Bolt 3/8 x 1-1/8	
8	0641611	2	Bolt 3/8 x 1-3/8	
10	0641616	2	Bolt 3/8 x 2	
11	0811610	8	Screw 3/8 x 1-1/4	
12	0811812	8	Bolt 1/2 x 1-1/2	
13	0902673	1	Bracket	
14	0940049	1	Stopper, Hood	
15	0940088	1	Bumper	
16	1120601	1	Plug	
17	2080040	4	Fastener, Huck	
18	2080072	4	Retainer	
19	2940045	2	Latch, Paddle	
20	2940173	2	Latch	
21	3300364	5	Nut, Tinnerman	
22	3311405	4	Nut 1/4	
23	3311501	2	Nut 5/16	
24	3311601	8	Nut 3/8	
25	3311605	39	Nut 3/8	
26	3321501	2	Nut 5/16	
27	3520030	1	Plug, Hole	
28	3900210	5	Screw, Button Head 5/16 x 3/4	
29	3900316	3	Screw, Button Head 3/8 x 1	
30	3960389	54 in/1.4m	Seal	
32	4160194	4	Spring, Gas	
33	4420038	6 in/16cm	Tape	
34	4751400	12	Washer 1/4	
35	4751500	7	Washer 5/16	
36	4751600	79	Washer 3/8	
37	8310070	8	Push-nut 3/8	
38	1001110166	59 in /1.5mm	Seal	
39	1001113047	84 in /2.14m	Seal	
40	1001116280	1	Bracket, Hood	
41	1001116322	1	Door	
42	1001116344	1	Door	
43	1001116358	1	Bracket	
44	1001117027	1	Bracket	
45	1001117249	1	Plate, Seal	
46	1001117307	1	Decal - Emergency Stop	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001126828	5	Nut, Tinnerman	
48	1001150260	4	Plate	
49	1001250295	1	Bracket	
50	1001157025	1	Bracket	
51	1001157284	1	Mount	
52	1001157344	1	Bracket	
53	1001157474	1	Bracket	
54	1001157475	1	Panel	
55	1001157612	1	Bracket	
56	1001161711	1	Mount	
57	1001173580	1	Plate	
58	1001186251	4	Plate	
59	1001186254	4	Hinge	
60	1001250294	1	Bracket	
62	1001196768	1	Bracket	
63	4891600	8	Washer 3/8	
64	1001243414	2	Bolt 3/8	
100	1001237286	1	Hood Kit - Standard Machines (Not Shown - Includes Items 101-104)	
101	1001116558	1	Hood - Tank Side Front	
102	1001116620	1	Hood - Engine Side Front	
103	1001157209	1	Hood Assembly - Tank Side Rear (See Items 351-361 for Breakdown)	
104	1001237205	1	Hood Assembly - Engine Side Rear (See Items 351-361 for Breakdown)	
	1001157209	Ref	HOOD ASSEMBLY - TANK SIDE REAR	C
251	0100011	AR	Compound, Locking	
252	0700615	1	Bolt M6 x 35	
253	2560187	1	Handle, Push Button	
254	3290601	1	Nut M6	
255	3311505	3	Nut 5/16	
256	3900210	3	Screw, Button Head 5/16 x 3/4	
257	3900363	2	Screw, Button Head M6 x 25	
258	4711500	3	Washer 5/16	
259	1001116290	1	Plate, Latch Mounting	
261	4751400	2	Washer 1/4	
	1001237205	Ref	HOOD ASSEMBLY - ENGINE SIDE REAR	B
351	0100011	AR	Compound, Locking	
252	0700618	1	Bolt M6 x 50	
353	2560187	1	Handle, Push Button	
354	3290601	1	Nut M6	
355	3311505	3	Nut 5/16	
356	3900210	3	Screw, Button Head 5/16 x 3/4	
357	3900363	2	Screw, Button Head M6 x 25	
358	4711500	3	Washer 5/16	
359	1001116290	1	Plate, Latch Mounting	
361	4751400	2	Washer 1/4	

FIGURE 2-65. HOODS INSTALLATION - STEEL (DEUTZ TD2.9L4 (STAGE V) ENGINES) (MACHINES WITH SN STARTING WITH B3)



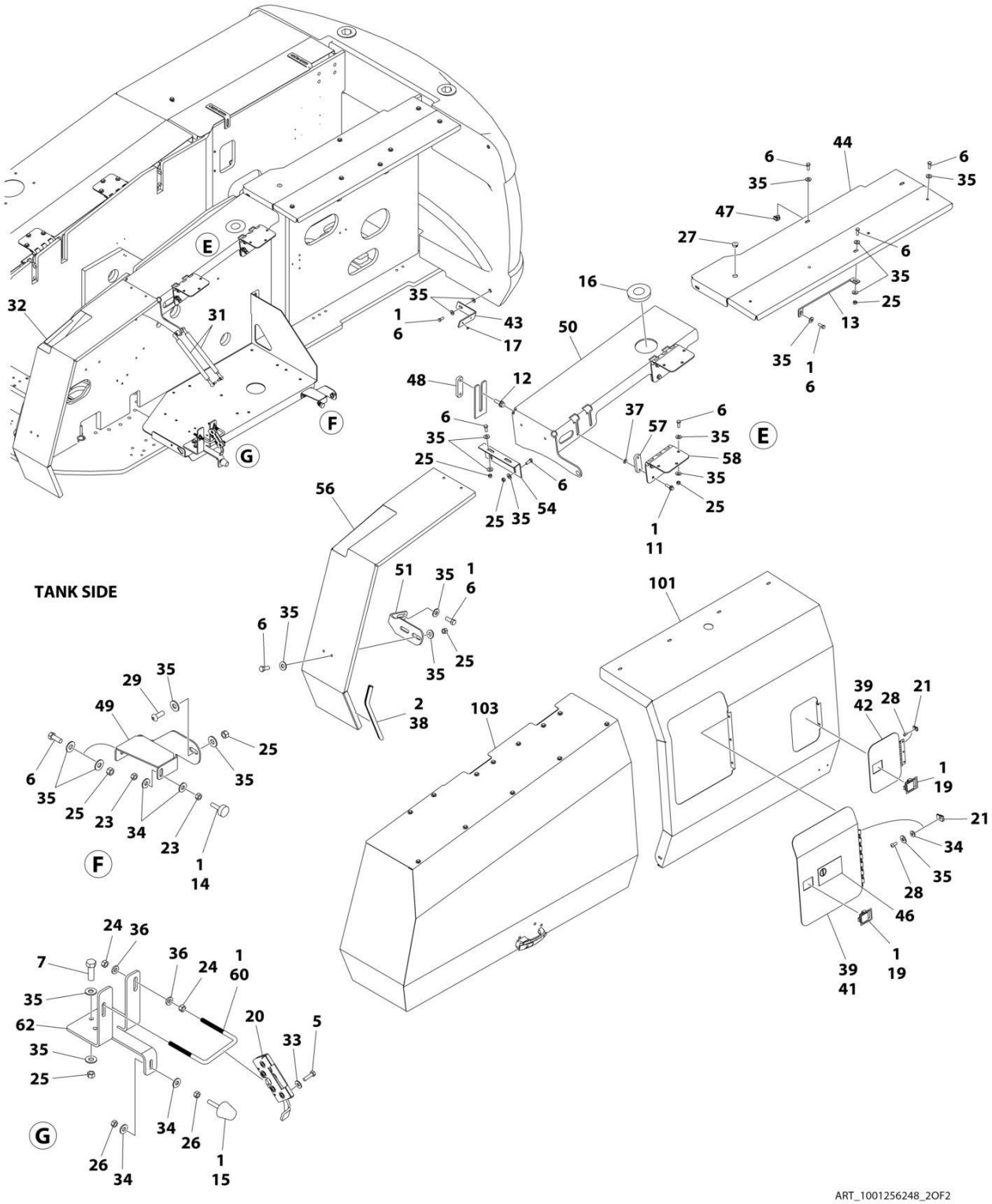
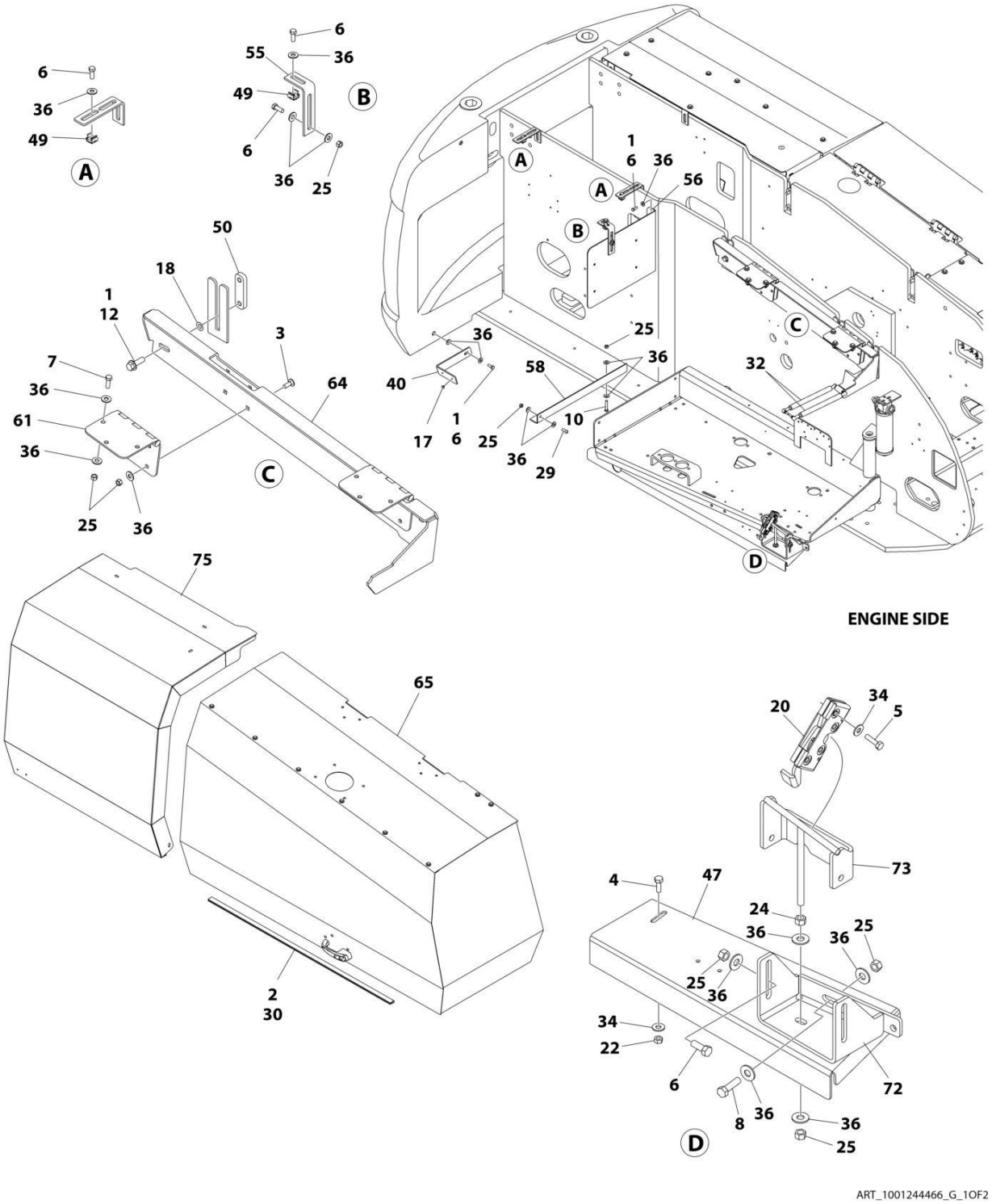

TANK SIDE
ART_1001256248_2OF2

FIGURE 2-65. HOODS INSTALLATION - STEEL (DEUTZ TD2.9L4 (STAGE V) ENGINES) (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001256248	Ref	HOODS INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0630485	8	Bolt, Carriage	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641408	8	Bolt 1/4 x 1	
6	0641608	31	Bolt 3/8 x 7/8	
7	0641609	9	Bolt 3/8 x 1-1/8	
8	0641611	2	Bolt 3/8 x 1-3/8	
10	0641616	2	Bolt 3/8 x 2	
11	0811610	8	Screw 3/8 x 1-1/4	
12	0811812	8	Bolt 1/2 x 1-1/2	
13	0902673	1	Bracket	
14	0940049	1	Stopper, Hood	
15	0940088	1	Bumper	
16	1120601	1	Plug	
17	2080040	4	Fastener, Huck	
18	2080072	4	Retainer	
19	2940045	2	Latch, Paddle	
20	2940173	2	Latch	
21	3300364	5	Nut, Tinnerman	
22	3311405	4	Nut 1/4	
23	3311501	2	Nut 5/16	
24	3311601	8	Nut 3/8	
25	3311605	39	Nut 3/8	
26	3321501	2	Nut 5/16	
27	3520030	1	Plug, Hole	
28	3900210	5	Screw, Button Head 5/16 x 3/4	
29	3900316	2	Screw, Button Head 3/8 x 1	
30	3960389	54 in/1.4m	Seal	
32	4160194	4	Spring, Gas	
33	4420038	6 in/16cm	Tape	
34	4751400	12	Washer 1/4	
35	4751500	7	Washer 5/16	
36	4751600	80	Washer 3/8	
37	8310070	8	Push-nut 3/8in	
38	1001110166	59 in /1.5mm	Seal	
39	1001113047	84 in /2.14m	Seal	
40	1001116280	1	Bracket, Hood	
41	1001116322	1	Door	
42	1001116344	1	Door	
43	1001116358	1	Bracket	
44	1001117027	1	Bracket	
45	1001117249	1	Plate, Seal	
46	1001117307	1	Decal - Emergency Stop	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001126828	5	Nut, Tinnerman	
48	1001150260	4	Plate	
49	1001157025	1	Bracket	
50	1001157284	1	Mount	
51	1001157344	1	Bracket	
52	1001157474	1	Bracket	
53	1001157475	1	Panel	
54	1001157612	1	Bracket	
55	1001161711	1	Mount	
56	1001173580	1	Plate	
57	1001186251	4	Plate	
58	1001186254	4	Hinge	
59	1001196768	1	Bracket	
60	1001243414	2	Bolt 3/8	
61	1001250294	1	Bracket	
62	1001250295	1	Bracket	
100	1001256247	1	Hood Kit - Standard Machines (Not Shown - Includes Items 101-104)	
101	1001116558	1	Hood - Tank Side Front	
102	1001116620	1	Hood - Engine Side	
103	1001244465	1	Hood Assembly - Tank Side Rear (See Separate Breakdown in This Section)	
104	1001256244	1	Hood Assembly - Engine Side Rear (See Separate Breakdown in This Section)	

FIGURE 2-66. HOODS INSTALLATION - STEEL (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH B3)



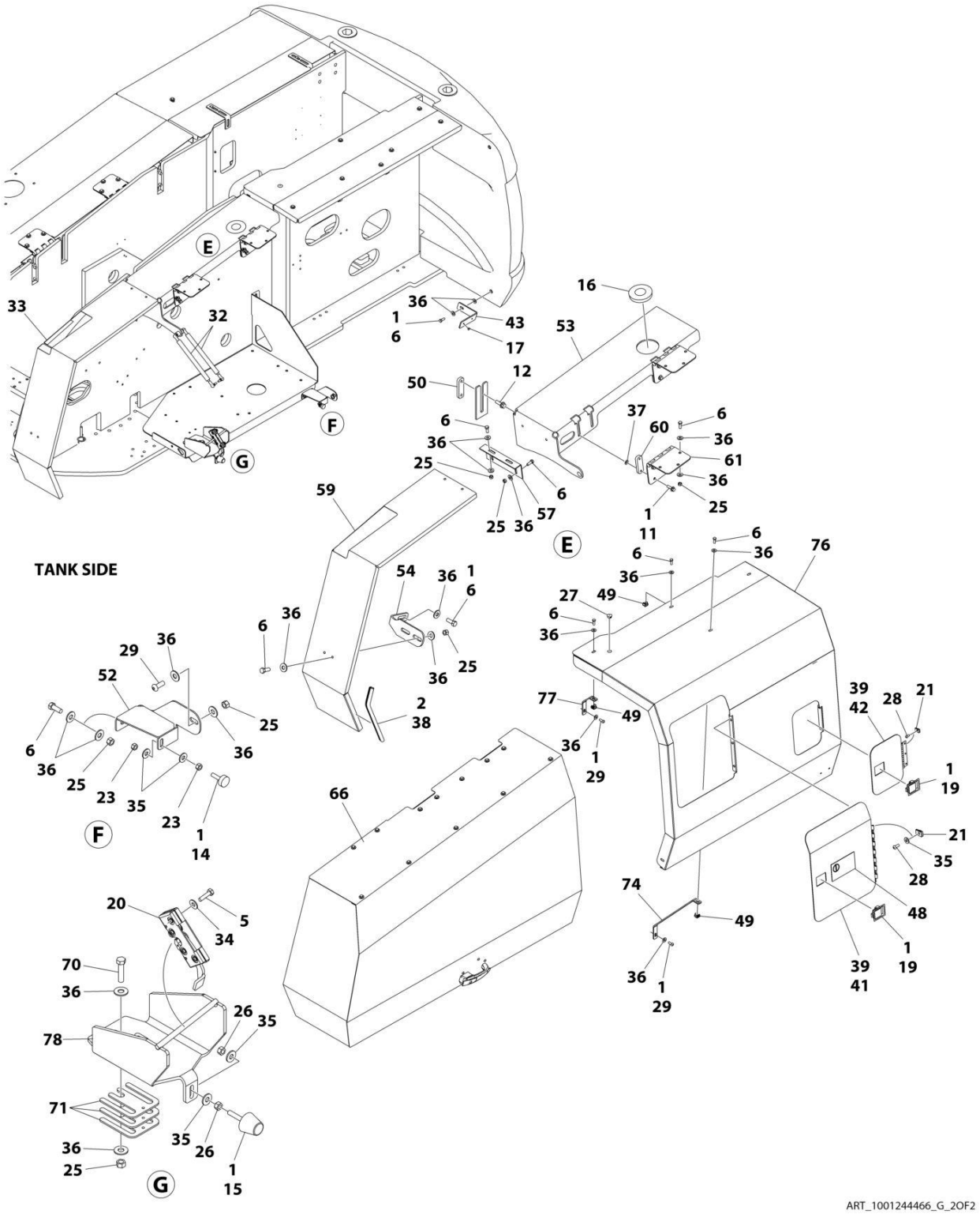
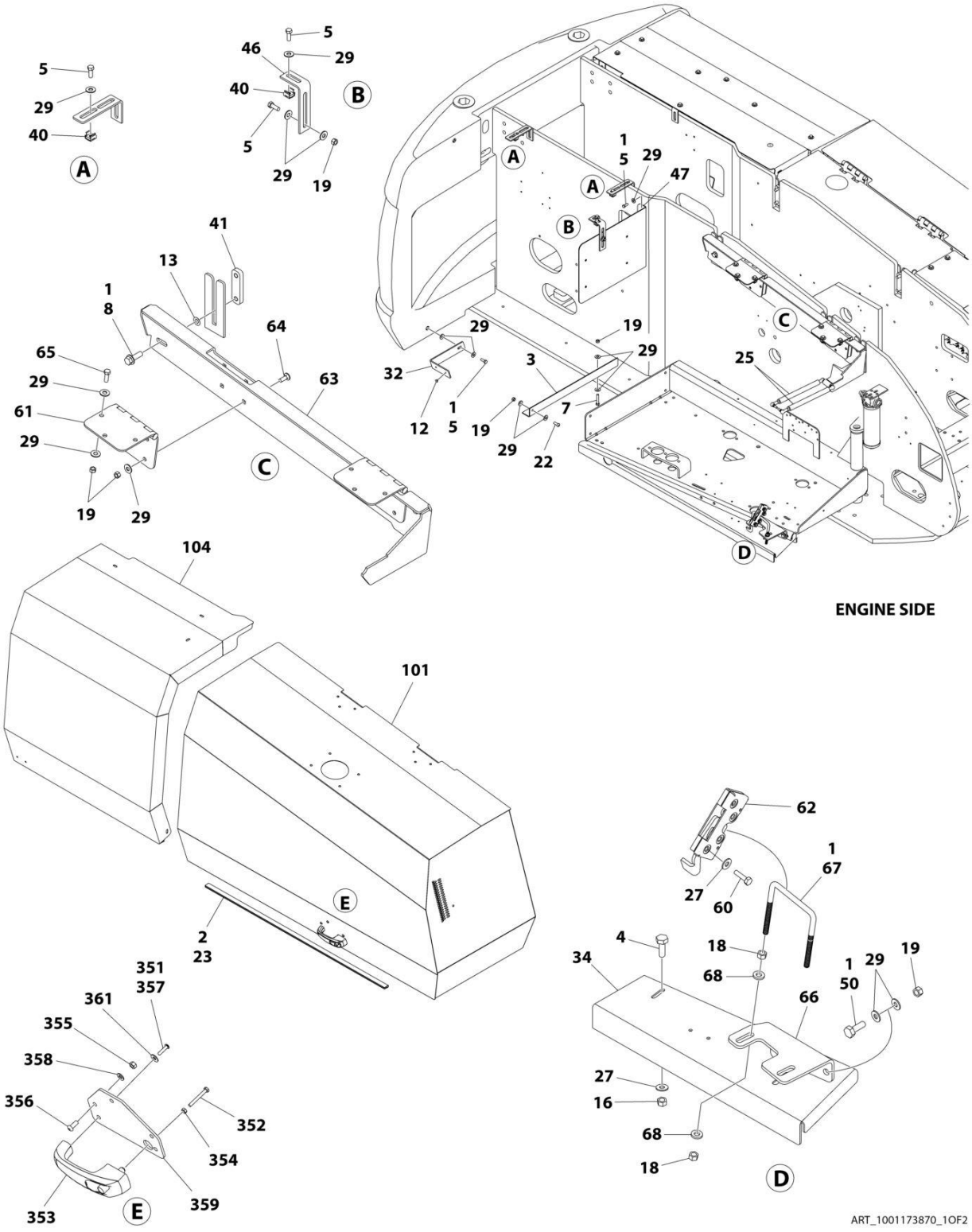

TANK SIDE
ART_1001244466_G_2OF2

FIGURE 2-66. HOODS INSTALLATION - STEEL (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001244466	Ref	HOODS INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0630485	8	Bolt, Carriage	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641408	8	Bolt 1/4 x 1	
6	0641608	AR	Bolt 3/8 x 7/8	
7	0641609	6	Bolt 3/8 x 1-1/8	
8	0641611	2	Bolt 3/8 x 1-3/8	
10	0641616	2	Bolt 3/8 x 2	
11	0811610	8	Screw 3/8 x 1-1/4	
12	0811812	8	Bolt 1/2 x 1-1/2	
14	0940049	1	Stopper, Hood	
15	0940088	1	Bumper	
16	1120601	1	Plug	
17	2080040	4	Fastener, Huck	
18	2080072	4	Retainer	
19	2940045	2	Latch, Paddle	
20	2940173	2	Latch	
21	3300364	5	Nut, Tinnerman	
22	3311405	4	Nut 1/4	
23	3311501	2	Nut 5/16	
24	3311601	1	Nut 3/8	
25	3311605	41	Nut 3/8	
26	3321501	2	Nut 5/16	
27	3520030	1	Plug, Hole	
28	3900210	5	Screw, Button Head 5/16 x 3/4	
29	3900316	4	Screw, Button Head 3/8 x 1	
30	3960389	54 in/1.4m	Seal	
32	4160194	4	Spring, Gas	
33	4420038	6 in/16cm	Tape	
34	4751400	12	Washer 1/4	
35	4751500	7	Washer 5/16	
36	4751600	AR	Washer 3/8	
37	8310070	8	Push-nut 3/8in	
38	1001110166	59 in /1.5mm	Seal	
39	1001113047	84 in /2.14m	Seal	
40	1001116280	1	Bracket, Hood	
41	1001116322	1	Door	
42	1001116344	1	Door	
43	1001116358	1	Bracket	
47	1001117249	1	Plate, Seal	
48	1001117307	1	Decal - Emergency Stop	
49	1001126828	7	Nut, Tinnerman	
50	1001150260	4	Plate	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	1001157025	1	Bracket	
53	1001157284	1	Mount	
54	1001157344	1	Bracket	
55	1001157474	1	Bracket	
56	1001157475	1	Panel	
57	1001157612	1	Bracket	
58	1001161711	1	Mount	
59	1001173580	1	Plate	
60	1001186251	4	Plate	
61	1001186254	4	Hinge	
64	1001196768	1	Bracket	
65	1001244463	1	Hood Assembly - Engine Side Rear (See Separate Breakdown in This Section)	
66	1001244465	1	Hood Assembly - Tank Side Rear (See Separate Breakdown in This Section)	
70	0641613	3	Screw 3/8 x 1-5/8	
71	4071048	3	Shim	
72	1001186501	1	Bracket	
73	1001186502	1	Bracket	
74	1001269959	1	Bracket	
75	1001269988	1	Hood, Engine Side	
76	1001269989	1	Hood, Tank Side	
77	1001271074	1	Bracket	
78	1001272305	1	Bracket	
	0272081	Ref	NOISE REDUCTION INSTALLATION (DEUTZ ENGINE MACHINES)	4-D
401	2820078	1	Foam, Acoustical (Not Shown)	

FIGURE 2-67. HOODS INSTALLATION – STEEL WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH 03)



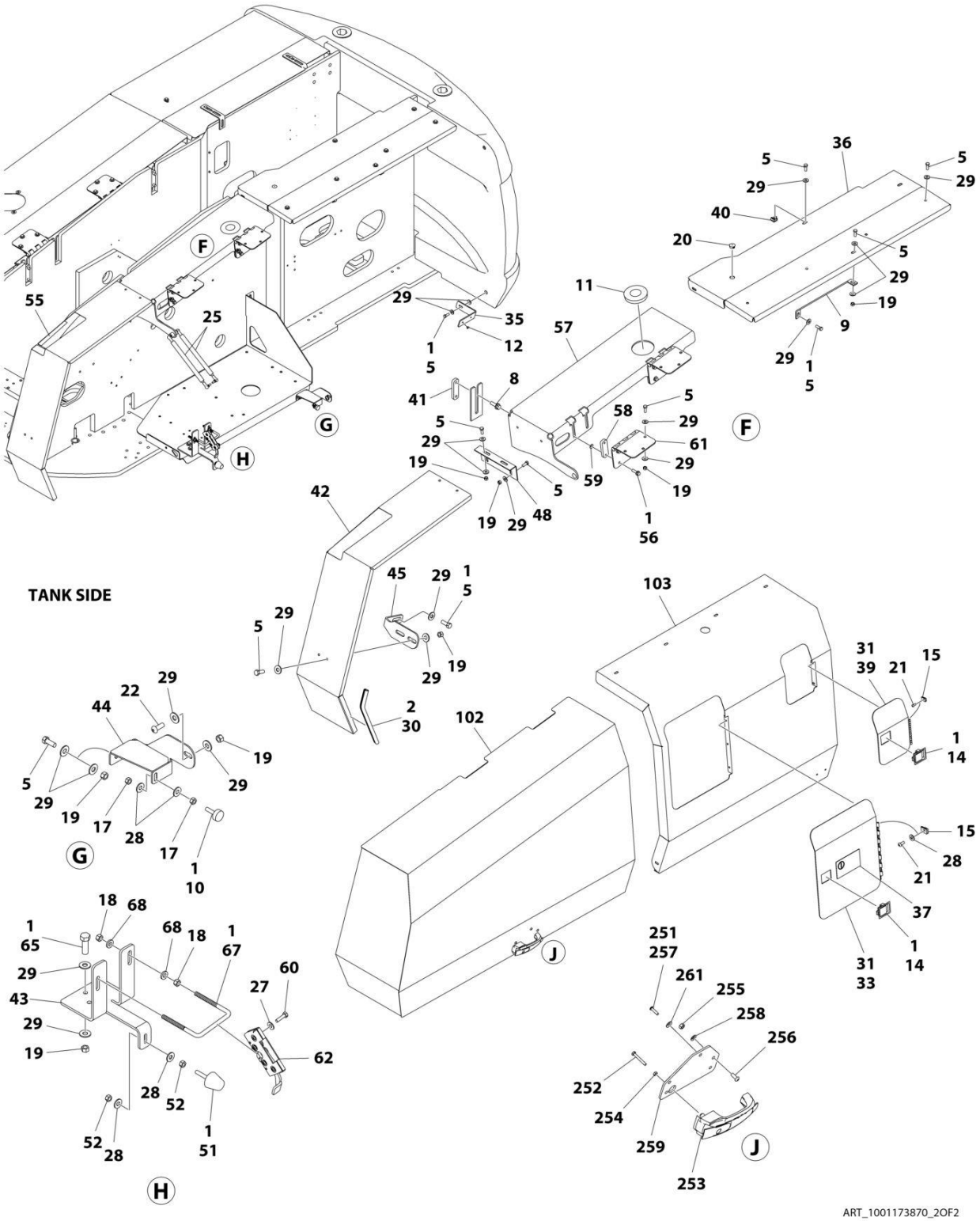
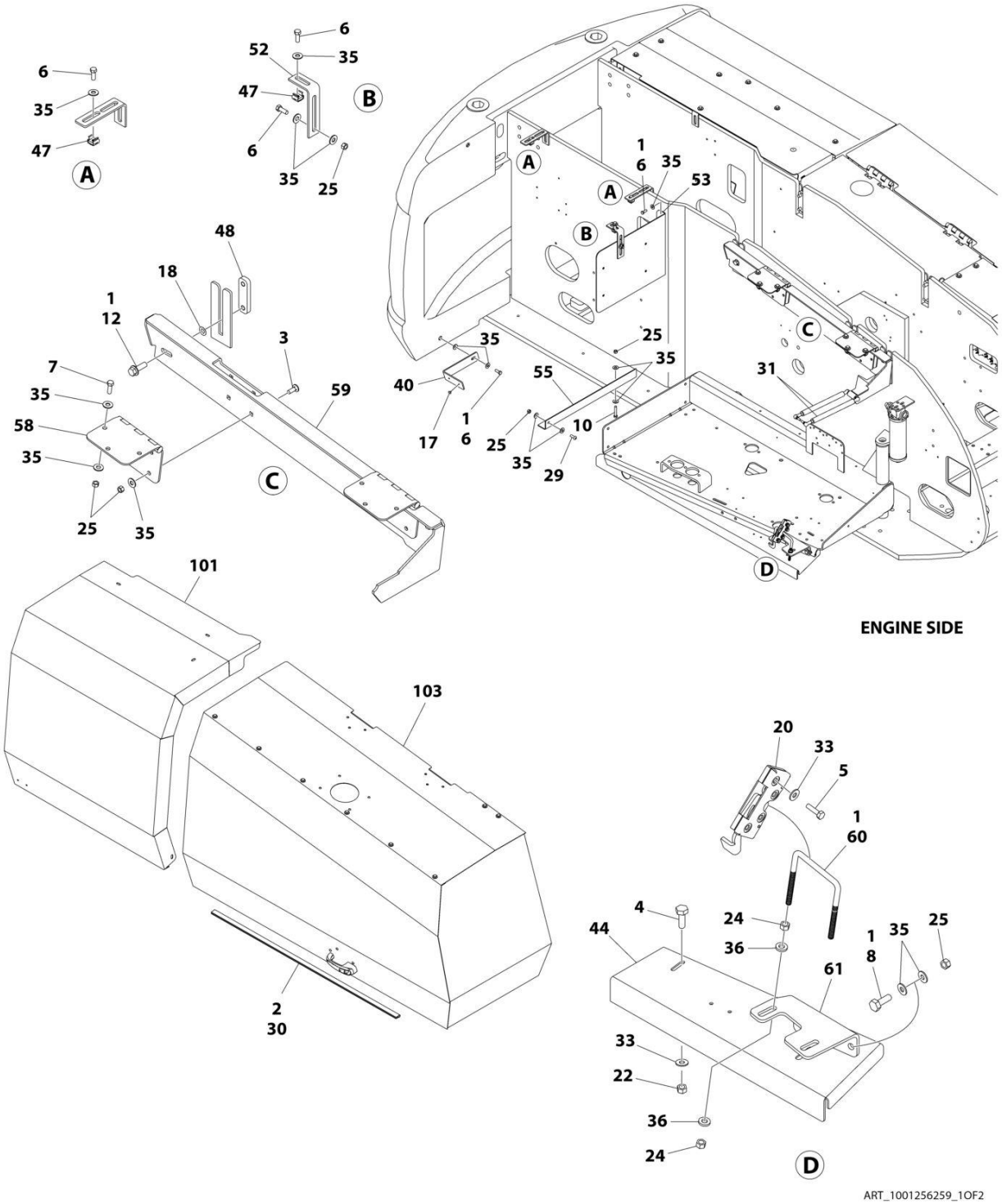

TANK SIDE
ART_1001173870_2OF2

FIGURE 2-67. HOODS INSTALLATION – STEEL WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001173870	Ref	HOODS INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	1001161711	1	Mount	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641608	31	Bolt 3/8 x 7/8	
7	0641616	2	Bolt 3/8 x 2	
8	0811812	8	Bolt 1/2 x 1-1/2	
9	0902673	1	Bracket	
10	0940049	1	Stopper, Hood	
11	1120601	1	Plug	
12	2080040	4	Fastener, Huck	
13	2080072	4	Retainer	
14	2940045	2	Latch, Paddle	
15	3300364	5	Nut, Tinnerman	
16	3311405	4	Nut 1/4	
17	3311501	2	Nut 5/16	
18	3311601	8	Nut 3/8	
19	3311605	39	Nut 3/8	
20	3520030	1	Plug, Hole	
21	3900210	5	Screw, Button Head 5/16 x 3/4	
22	3900316	2	Screw, Button Head 3/8 x 1	
23	3960389	54 in/1.4m	Seal	
25	4160194	4	Spring, Gas	
27	4751400	12	Washer 1/4	
28	4751500	7	Washer 5/16	
29	4751600	80	Washer 3/8	
30	1001110166	59 in /1.5mm	Seal	
31	1001113047	84 in /2.14m	Seal	
32	1001116280	1	Bracket, Hood	
33	1001116322	1	Door	
34	1001117249	1	Plate, Seal	
35	1001116358	1	Bracket	
36	1001117027	1	Bracket	
37	1001117307	1	Decal - Emergency Stop	
39	1001125501	1	Door	
40	1001126828	5	Nut, Tinnerman	
41	1001150260	4	Plate	
42	1001173580	1	Plate	
43	1001250295	1	Bracket, Striker	
44	1001157025	1	Bracket	
45	1001157344	1	Bracket	
46	1001157474	1	Bracket	
47	1001157475	1	Panel	
48	1001157612	1	Bracket	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	0641611	2	Bolt 3/8 x 1-3/8	
51	0940088	1	Bumper	
52	3321501	2	Nut 5/16	
55	4420038	6 in/16cm	Tape	
56	0811610	8	Screw 3/8 x 1-1/4	
57	1001157284	1	Mount	
58	1001186251	4	Plate	
59	8310070	8	Pushnut 3/8in	
60	0641408	8	Bolt 1/4 x 1	
61	1001186254	4	Hinge	
62	2940173	2	Latch	
63	1001196768	1	Bracket	
64	0630485	8	Bolt, Carriage	
65	0641609	6	Bolt 3/8 x 1-1/8	
66	1001250294	1	Bracket	
67	1001243414	2	Bolt 3/8	
68	4891600	8	Screw 3/8	
100	1001174101	1	Hood Kit - Hostile Environment Machines(Not Shown - Includes Items 101-104)	C
101	1001162915	1	Hood Assembly - Engine Side Rear (See Items 251-261 for Breakdown)	
102	1001157209	1	Hood Assembly - Tank Side Rear (See Items 351-361 for Breakdown)	
103	1001125502	1	Hood - Tank Side Front	
104	1001116620	1	Hood - Engine Side Front	
	1001162915	Ref	HOOD ASSEMBLY - ENGINE SIDE REAR	C
251	0100011	AR	Compound, Locking	
252	0700618	1	Bolt M6 x 50	
253	2560187	1	Handle, Push Button	
254	3290601	1	Nut M6	
255	3311505	3	Nut 5/16	
256	3900210	3	Screw, Button Head 5/16 x 3/4	
257	3900363	2	Screw, Button Head M6 x 25	
258	4711500	3	Washer 5/16	
259	1001116290	1	Plate, Latch Mounting	
261	4751400	2	Washer 1/4	
	1001157209	Ref	HOOD ASSEMBLY - TANK SIDE REAR	B
351	0100011	1	Compound, Locking	
352	0700617	1	Bolt M6 x 45	
353	2560187	1	Handle, Push Button	
354	3290601	1	Nut M6	
355	3311505	3	Nut 5/16	
356	3900210	3	Screw, Button Head 5/16 x 3/4	
357	3900363	2	Screw, Button Head M6 x 25	
358	4711500	3	Washer 5/16	
359	1001116290	1	Plate, Latch Mounting	
361	4751400	2	Washer 1/4	
	0272081	Ref	NOISE REDUCTION INSTALLATION (DEUTZ ENGINE MACHINES)	4-D
401	2820078	1	Foam, Acoustical (Not Shown)	

FIGURE 2-68. HOODS INSTALLATION – STEEL WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH B3)



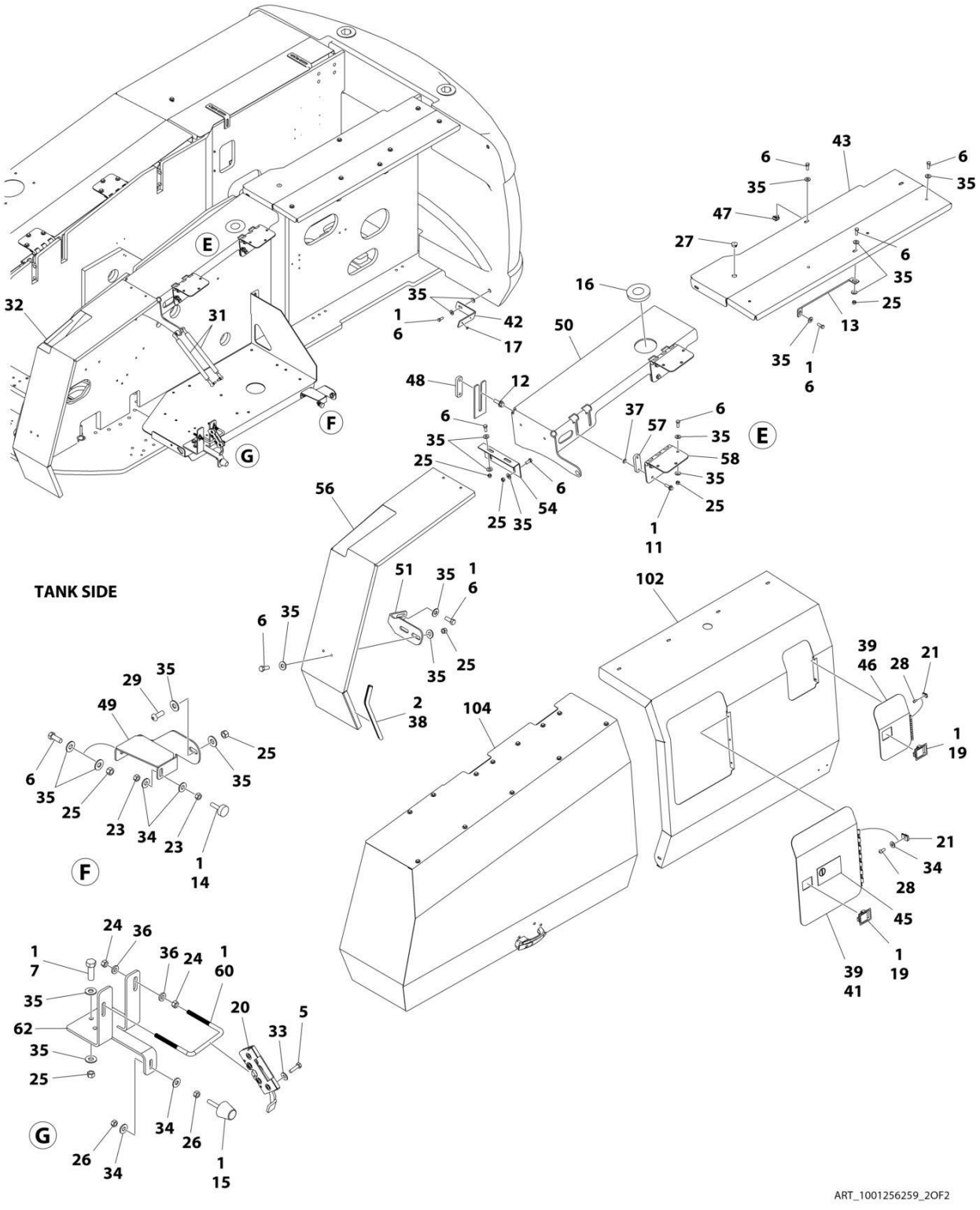
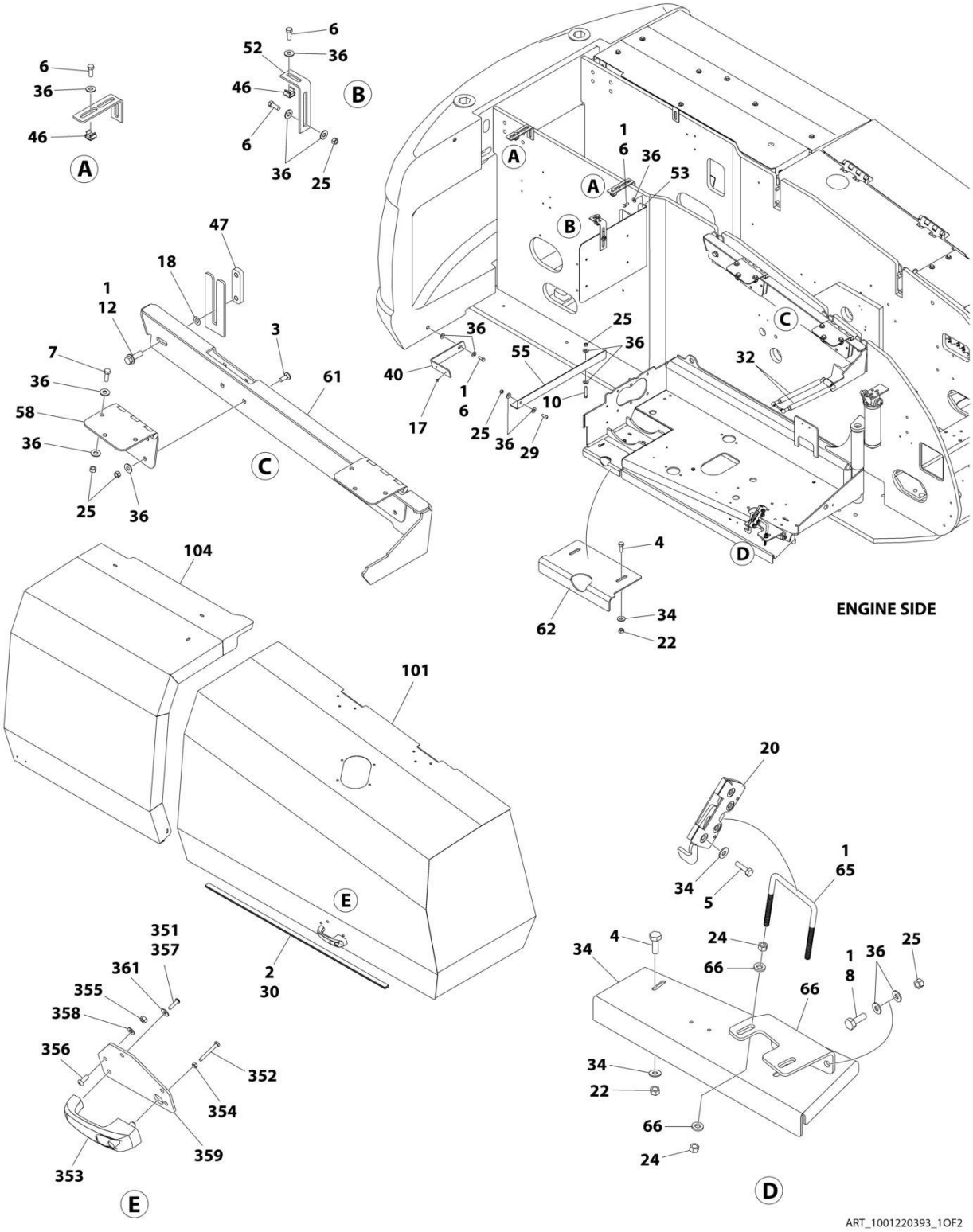

TANK SIDE
ART_1001256259_2OF2

FIGURE 2-68. HOODS INSTALLATION – STEEL WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ TD2.9L4 ENGINES) (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001256259	Ref	HOODS INSTALLATIONS	C
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0630485	8	Bolt, Carriage	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641408	8	Bolt 1/4 x 1	
6	0641608	31	Bolt 3/8 x 7/8	
7	0641609	9	Bolt 3/8 x 1-1/8	
8	0641611	2	Bolt 3/8 x 1-3/8	
10	0641616	2	Bolt 3/8 x 2	
11	0811610	8	Screw 3/8 x 1-1/4	
12	0811812	8	Bolt 1/2 x 1-1/2	
13	0902673	1	Bracket	
14	0940049	1	Stopper, Hood	
15	0940088	1	Bumper	
16	1120601	1	Plug	
17	2080040	4	Fastener, Huck	
18	2080072	4	Retainer	
19	2940045	2	Latch, Paddle	
20	2940173	2	Latch	
21	3300364	5	Nut, Tinnerman	
22	3311405	4	Nut 1/4	
23	3311501	2	Nut 5/16	
24	3311601	8	Nut 3/8	
25	3311605	39	Nut 3/8	
26	3321501	2	Nut 5/16	
27	3520030	1	Plug, Hole	
28	3900210	5	Screw, Button Head 5/16 x 3/4	
29	3900316	2	Screw, Button Head 3/8 x 1	
30	3960389	54 in/1.4m	Seal	
31	4160194	4	Spring, Gas	
32	4420038	6 in/16cm	Tape	
33	4751400	12	Washer 1/4	
34	4751500	7	Washer 5/16	
35	4751600	80	Washer 3/8	
36	4891600	8	Washer 3/8	
37	8310070	8	Push-nut 3/8	
38	1001110166	59 in /1.5mm	Seal	
39	1001113047	84 in /2.14m	Seal	
40	1001116280	1	Bracket, Hood	
41	1001116322	1	Door	
42	1001116358	1	Bracket	
43	1001117027	1	Bracket	
44	1001117249	1	Plate, Seal	
45	1001117307	1	Decal - Emergency Stop	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001125501	1	Door	
47	1001126828	5	Nut, Tinnerman	
48	1001150260	4	Plate	
49	1001157025	1	Bracket	
50	1001157284	1	Mount	
51	1001157344	1	Bracket	
52	1001157474	1	Bracket	
53	1001157475	1	Panel	
54	1001157612	1	Bracket	
55	1001161711	1	Mount	
56	1001173580	1	Plate	
57	1001186251	4	Plate	
58	1001186254	4	Hinge	
59	1001196768	1	Bracket	
60	1001243414	2	Bolt 3/8	
61	1001250294	1	Bracket	
62	1001250295	1	Bracket	
100	1001256258	1	Hood Kit - Hostile Environment Machines (Not Shown - Includes Items 101-104)	
101	1001116620	1	Hood - Engine Side Front	
102	1001125502	1	Hood - Tank Side Front	
103	1001244463	1	Hood Assembly - Engine Side Rear (See Separate Breakdown in this Section)	
104	1001244465	1	Hood Assembly - Tank Side Rear (See Separate Breakdown in this Section)	

FIGURE 2-69. HOODS INSTALLATION – STEEL (FORD DF 2.5L ENGINES)



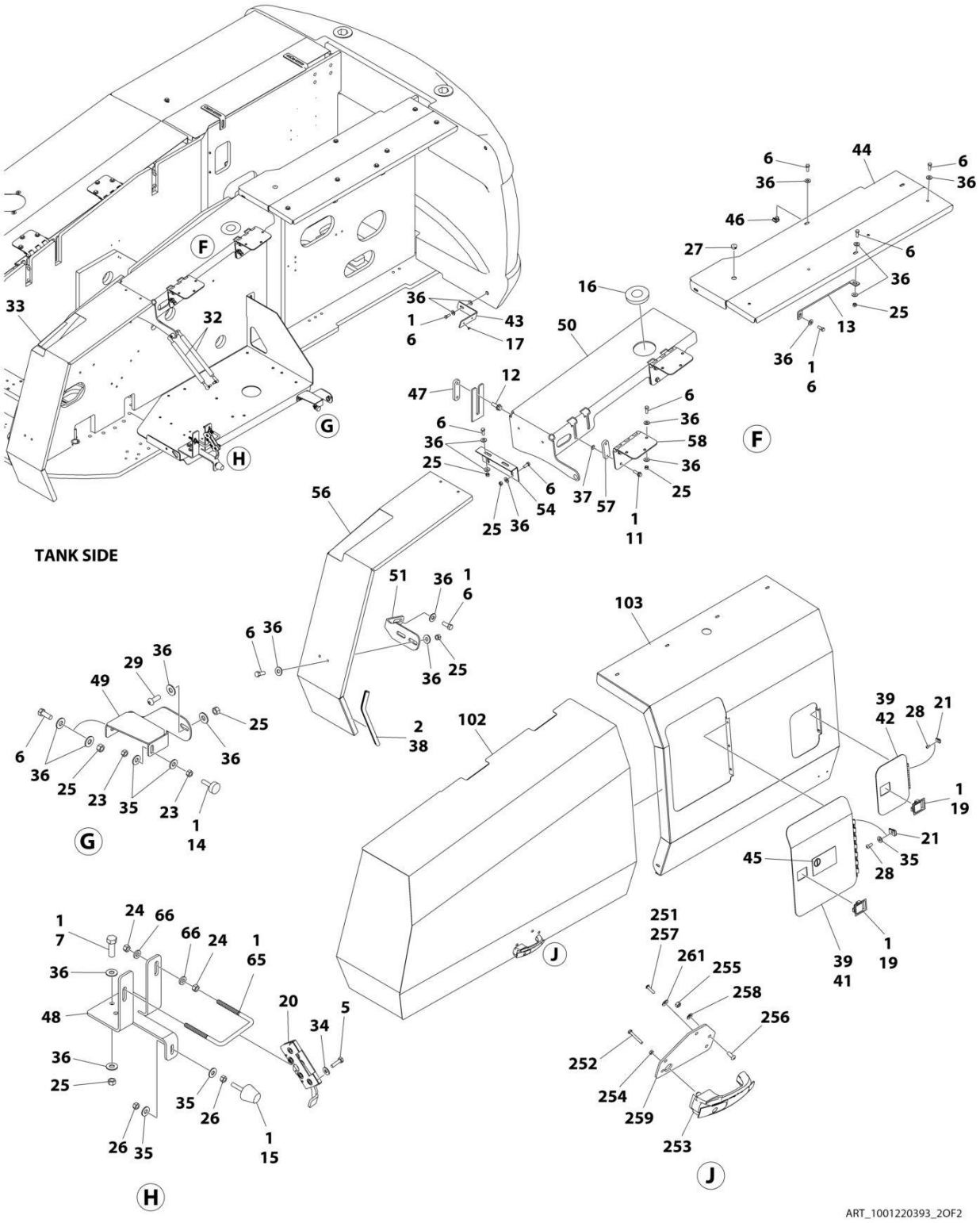

TANK SIDE
ART_1001220393_2OF2

FIGURE 2-69. HOODS INSTALLATION – STEEL (FORD DF 2.5L ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001220393	Ref	HOODS INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0630485	8	Bolt, Carriage	
4	0641406	5	Bolt 1/4 x 3/4	
5	0641408	8	Bolt 1/4 x 1	
6	0641608	31	Bolt 3/8 x 7/8	
7	0641609	9	Bolt 3/8 x 1-1/8	
8	0641611	2	Bolt 3/8 x 1-3/8	
10	0641616	2	Bolt 3/8 x 2	
11	0811610	8	Screw 3/8 x 1-1/4	
12	0811812	8	Bolt 1/2 x 1-1/2	
13	0902673	1	Bracket	
14	0940049	1	Stopper, Hood	
15	0940088	1	Bumper	
16	1120601	1	Plug	
17	2080040	4	Fastener, Huck	
18	2080072	4	Retainer	
19	2940045	2	Latch, Paddle	
20	2940173	2	Latch	
21	3300364	5	Nut, Tinnerman	
22	3311405	5	Nut 1/4	
23	3311501	2	Nut 5/16	
24	3311601	8	Nut 3/8	
25	3311605	39	Nut 3/8	
26	3321501	2	Nut 5/16	
27	3520030	1	Plug, Hole	
28	3900210	5	Screw, Button Head 5/16 x 3/4	
29	3900316	2	Screw, Button Head 3/8 x 1	
30	3960389	54 in/1.4m	Seal	
32	4160194	4	Spring, Gas	
33	4420038	6 in/16cm	Tape	
34	4751400	13	Washer 1/4	
35	4751500	7	Washer 5/16	
36	4751600	80	Washer 3/8	
37	8310070	8	Push-nut 3/8	
38	1001110166	59 in /1.5mm	Seal	
39	1001113047	84 in /2.14m	Seal	
40	1001116280	1	Bracket, Hood	
41	1001116322	1	Door	
42	1001116344	1	Door	
43	1001116358	1	Bracket	
44	1001117027	1	Bracket	
45	1001117307	1	Decal - Emergency Stop	
46	1001126828	5	Nut, Tinnerman	
47	1001150260	4	Plate	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001250295	1	Bracket, Striker	
49	1001157025	1	Bracket	
50	1001157284	1	Mount	
51	1001157344	1	Bracket	
52	1001157474	1	Bracket	
53	1001157475	1	Panel	
54	1001157612	1	Bracket	
55	1001161711	1	Mount	
56	1001173580	1	Plate	
57	1001186251	4	Plate	
58	1001186254	4	Hinge	
61	1001196768	1	Bracket	
62	1001220002	1	Baffle	
63	1001220067	1	Plate, Seal	
64	1001250294	1	Bracket	
65	1001243414	2	Bolt 3/8	
66	4891600	8	Washer 3/8	
100	1001174283	1	Hood Kit - Standard Machines (Not Shown - Includes Items 101-104)	C
101	1001157208	1	Hood Assembly - Engine Side Rear (See Items 251-261 for Breakdown)	
102	1001157209	1	Hood Assembly - Tank Side Rear (See Items 351-361 for Breakdown)	
103	1001116558	1	Hood - Tank Side Front	
104	1001116620	1	Hood - Engine Side Front	
	1001157208	Ref	HOOD ASSEMBLY - ENGINE SIDE REAR	D
251	0100011	AR	Compound, Locking	
252	0700618	1	Bolt M6 x 50	
253	2560187	1	Handle, Push Button	
254	3290601	1	Nut M6	
255	3311505	3	Nut 5/16	
256	3900210	3	Screw, Button Head 5/16 x 3/4	
257	3900363	2	Screw, Button Head M6 x 25	
258	4711500	3	Washer 5/16	
259	1001116290	1	Plate, Latch Mounting	
261	4751400	2	Washer 1/4	
	1001157209	Ref	HOOD ASSEMBLY - TANK SIDE REAR	B
351	0100011	AR	Compound, Locking	
352	0700617	1	Bolt M6 x 45mm	
353	2560187	1	Handle, Push Button	
354	3290601	1	Nut M6	
355	3311505	3	Locknut 5/16in-18NC	
356	3900210	3	Screw, Button Head 5/16in-18 x 3/4in	
357	3900363	2	Screw, Button Head M6 x 25mm	
358	4711500	3	Flatwasher 5/16in Thin	
359	1001116290	1	Plate, Latch Mounting	
361	4751400	2	Flatwasher 1/4in Regular	

FIGURE 2-70. HOOD ASSEMBLY - ENGINE SIDE REAR (DEUTZ TD2.9L4 ENGINES)

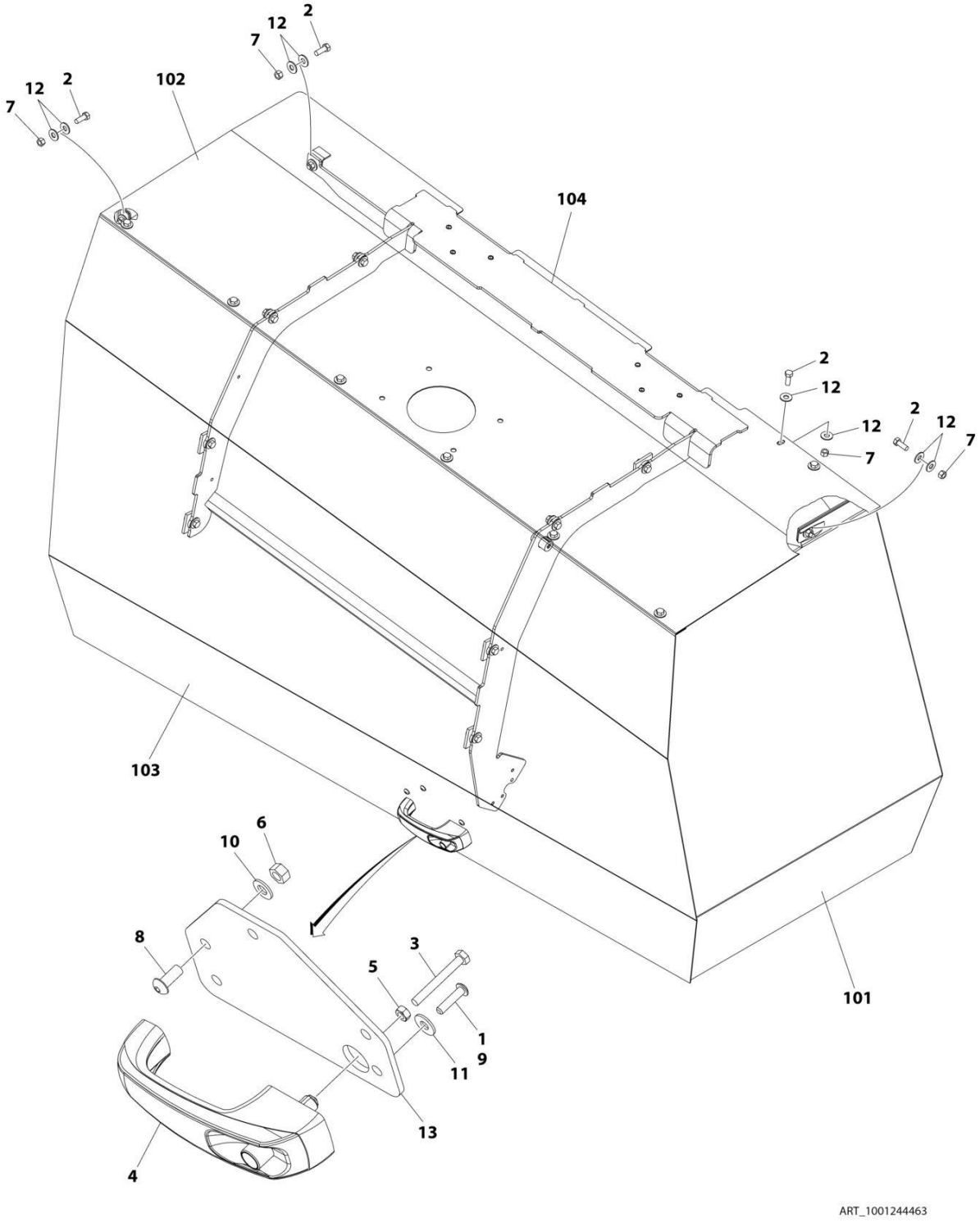


FIGURE 2-70. HOOD ASSEMBLY - ENGINE SIDE REAR (DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244463	Ref	HOOD ASSEMBLY - ENGINE SIDE REAR	A
1	0100011	AR	Compound, Locking	
2	0641608	28	Bolt 3/8 x 7/8	
3	0700618	1	Bolt M6 x 50	
4	2560187	1	Handle, Push Button	
5	3290601	1	Nut M6	
6	3311505	3	Nut 5/16	
7	3311605	28	Nut 3/8	
8	3900210	3	Screw, Button Head 5/16 x 3/4	
9	3900363	2	Screw, Button Head M6 x 25	
10	4711500	3	Washer 5/16	
11	4751400	2	Washer 1/4	
12	4751600	56	Washer 3/8	
13	1001116290	1	Plate, Latch Mounting	
100	1001243985	1	Hood Engine Side Kit (Not Shown - Includes Items 101-104)	
101	1001239688	1	End Panel	
102	1001239689	1	Top Panel	
103	1001239690	1	Side Panel	
104	1001239691	1	Support	

FIGURE 2-71. HOOD ASSEMBLY - ENGINE SIDE REAR (DEUTZ TD2.9L4 (STAGE V) ENGINES)

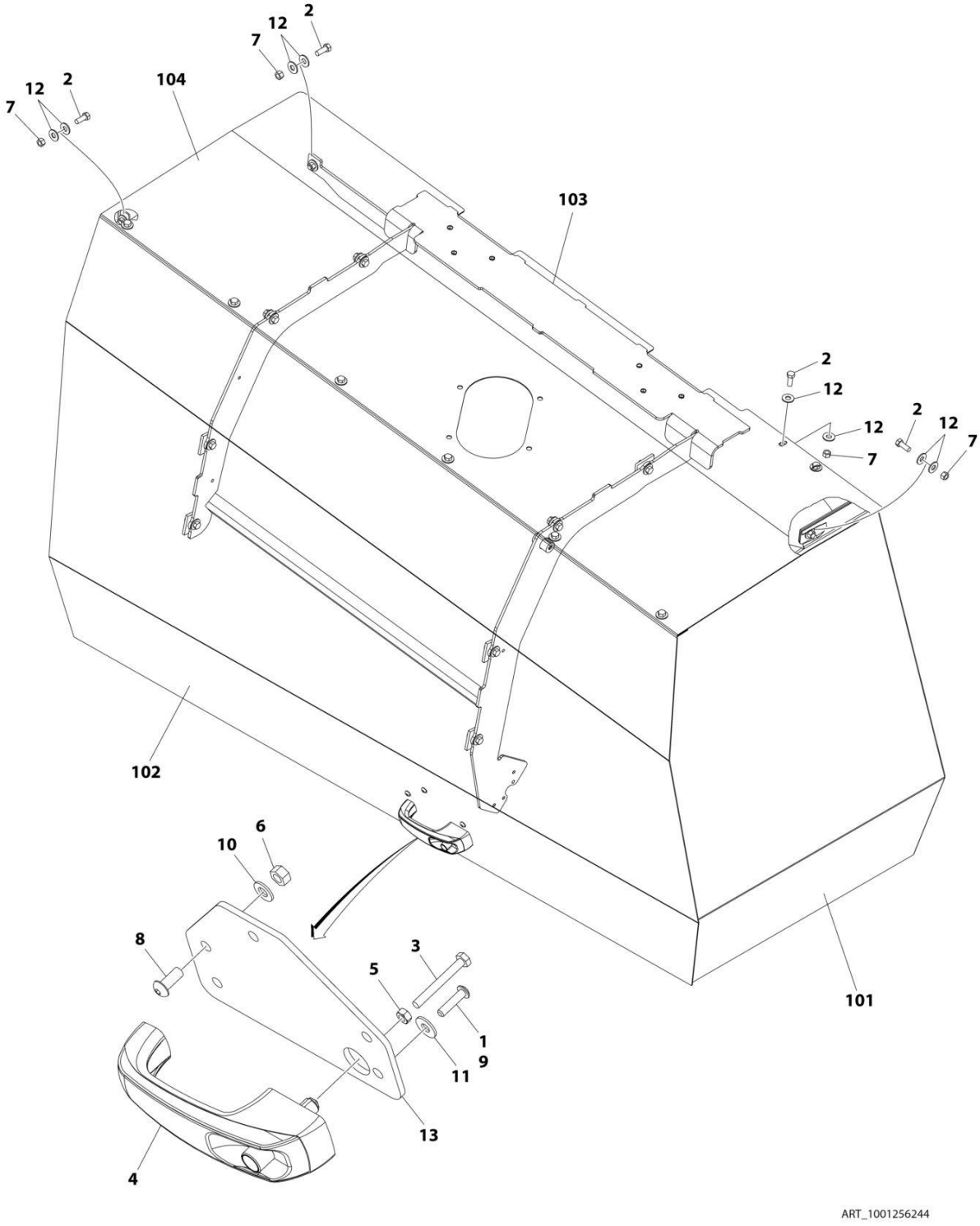


FIGURE 2-71. HOOD ASSEMBLY - ENGINE SIDE REAR (DEUTZ TD2.9L4 (STAGE V) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256244	Ref	HOOD ASSEMBLY - ENGINE SIDE REAR	A
1	0100011	AR	Compound, Locking	
2	0641608	28	Bolt 3/8 x 7/8	
3	0700618	1	Bolt M6 x 50	
4	2560187	1	Handle, Push Button	
5	3290601	1	Nut M6	
6	3311505	3	Nut 5/16	
7	3311605	28	Nut 3/8	
8	3900210	3	Screw, Button Head 5/16 x 3/4	
9	3900363	2	Screw, Button Head M6 x 25	
10	4711500	3	Washer 5/16	
11	4751400	2	Washer 1/4	
12	4751600	56	Washer 3/8	
13	1001116290	1	Plate, Latch Mounting	
100	1001256250	1	Hood Engine Side Kit (Not Shown - Includes Items 101-104)	
101	1001239688	1	End Panel	
102	1001239690	1	Side Panel	
103	1001239691	1	Support	
104	1001256203	1	Top Panel	

FIGURE 2-72. HOOD ASSEMBLY - TANK SIDE REAR (DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES)

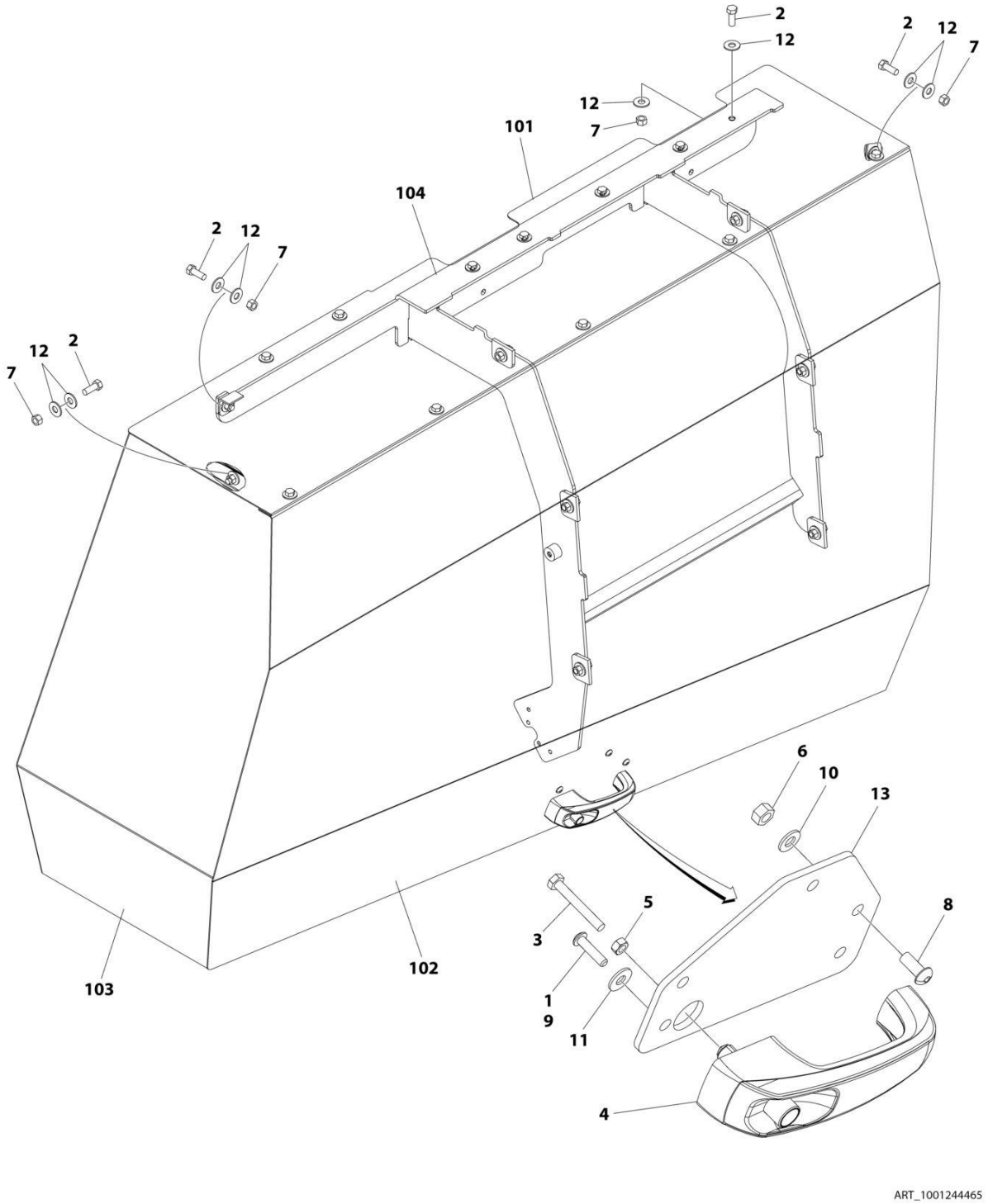


FIGURE 2-72. HOOD ASSEMBLY - TANK SIDE REAR (DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244465	Ref	HOOD ASSEMBLY - TANK SIDE REAR	A
1	0100011	AR	Compound, Locking	
2	0641608	28	Bolt 3/8 x 7/8	
3	0700617	1	Bolt M6 x 45	
4	2560187	1	Handle, Push Button	
5	3290601	1	Nut M6	
6	3311505	3	Nut 5/16	
7	3311605	28	Nut 3/8	
8	3900210	3	Screw, Button Head 5/16 x 3/4	
9	3900363	2	Screw, Button Head M6 x 25	
10	4711500	3	Washer 5/16	
11	4751400	2	Washer 1/4	
12	4751600	56	Washer 3/8	
13	1001116290	1	Plate, Latch Mounting	
100	1001243986	1	Hood Tank Side Kit (Not Shown - Includes Items 101-104)	
101	1001239721	1	Top Panel	
102	1001239722	1	Side Panel	
103	1001239723	1	End Panel	
104	1001239724	1	Support	

FIGURE 2-73. LIFTING PLATE INSTALLATION

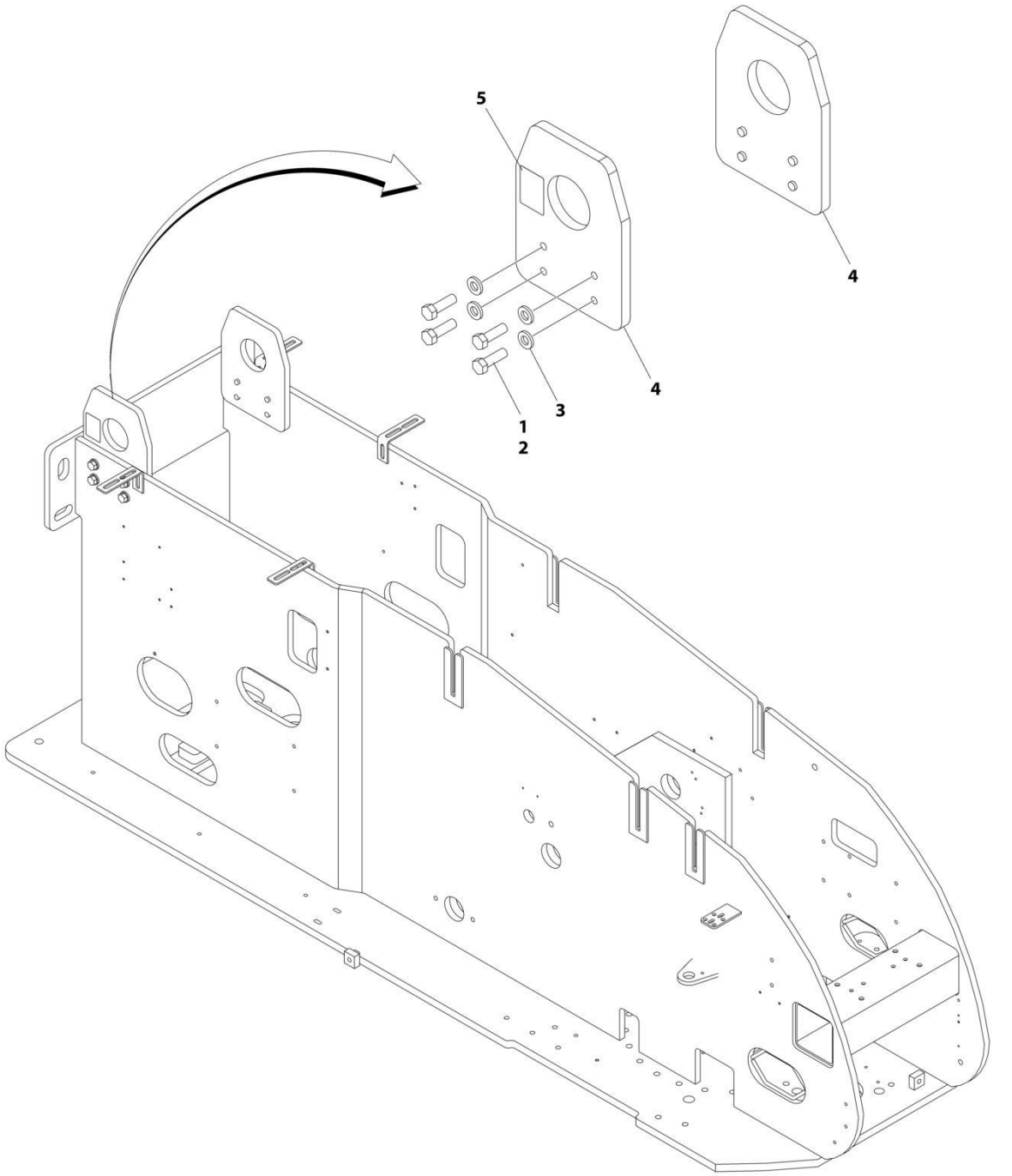


FIGURE 2-73. LIFTING PLATE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158084	Ref	LIFTING PLATE INSTALLATION	B
1	0100019	AR	Compound, Locking	
2	0682016	8	Bolt 5/8in-11NC x 2in Grade 8	
3	4892000	8	Flatwasher 5/8in Hardened	
4	1001157870	2	Plate, Lifting	
5	1703811	2	Decal - Lift	

FIGURE 2-74. SKYAIR AIR COMPRESSOR INSTALLATION (DEUTZ D2011 AND FORD DF 2.5L ENGINES)

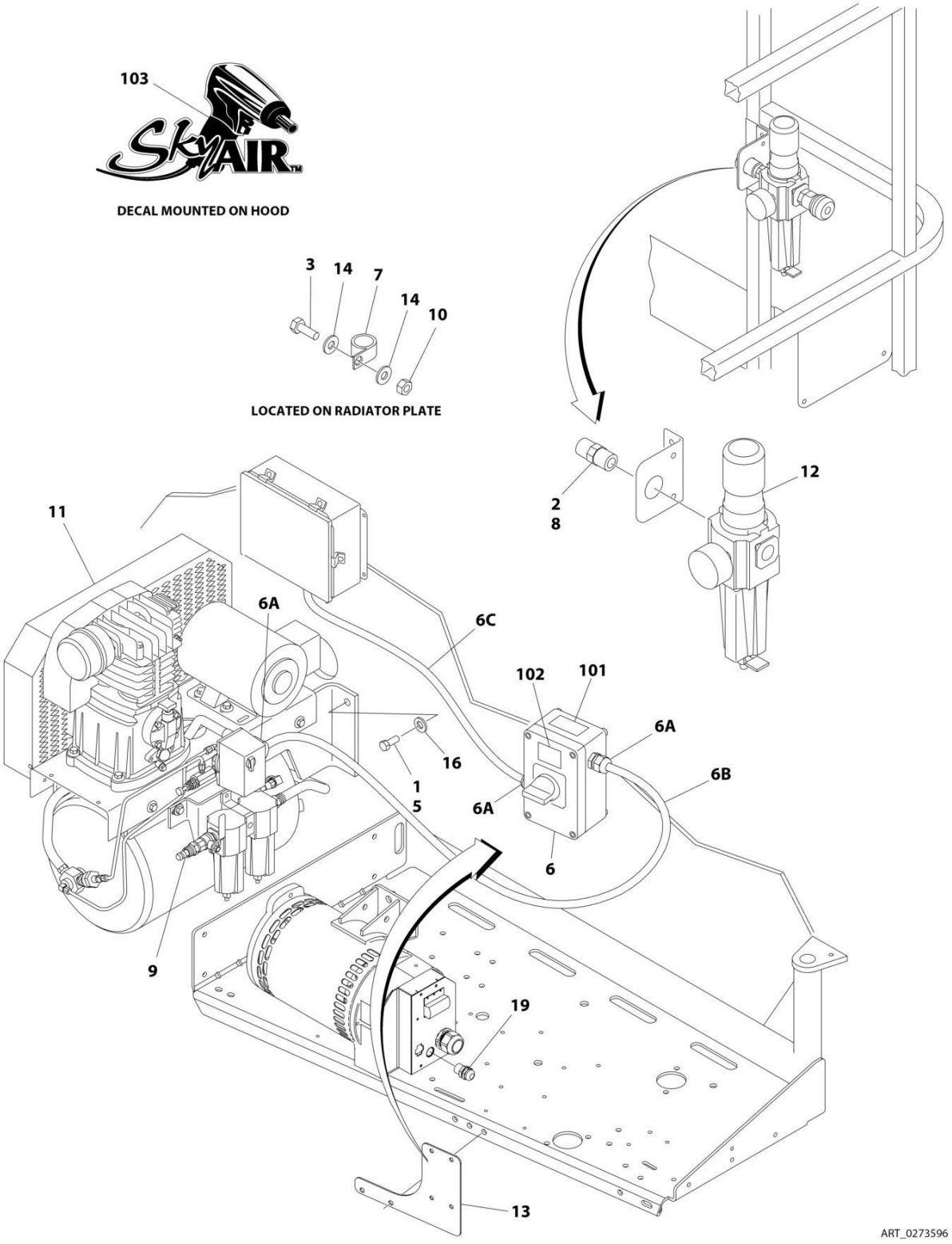


FIGURE 2-74. SKYAIR AIR COMPRESSOR INSTALLATION (DEUTZ D2011 AND FORD DF 2.5L ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273596	Ref	SKYAIR AIR COMPRESSOR INSTALLATION	B
1	0100019	AR	Compound, Locking	
2	0100020	AR	Sealant #567	
3	0641406	2	Bolt 1/4 x 3/4	
5	0641810	4	Bolt 1/2 x 1-1/4	
6	0861642	1	Control Box Assembly	
6A	4460633	3	Connector, Strain Relief	
6B	70002948	AR	Cable, Electrical - 12/4 (13ft/4m)	
6C	70002948	AR	Cable, Electrical - 12/4 (30in/76cm)	
7	1320224	2	Clamp	
8	2220252	1	Fitting	
9	2220750	1	Fitting	
10	3311405	2	Nut 1/4	
11	3600386	1	Compressor Assembly (See Separate Breakdown in this Section)	
12	3720021	1	Filter/Regulator Assembly	
12	7027781	1	Service Kit (Includes Gaskets and Seals)	
12	7027782	1	Filter	
12	7027784	1	Gauge	
12	7027783	1	Valve, Drain	
13	4340747	1	Bracket, Control Box	
14	4711400	4	Washer 1/4	
16	4751800	4	Washer 1/2	
18	4240033	AR	Tie-Strap (Not Shown)	
19	4460428	1	Connector, Strain Relief	
	0273687	Ref	DECAL INSTALLATION	
101	1705836	1	Decal - Hazard Voltage	
102	1705837	1	Decal - Air Compressor	
103	1705886	2	Decal - SkyAir	

FIGURE 2-75. SKYAIR AIR COMPRESSOR INSTALLATION (DEUTZ TD2.9L4 ENGINES)

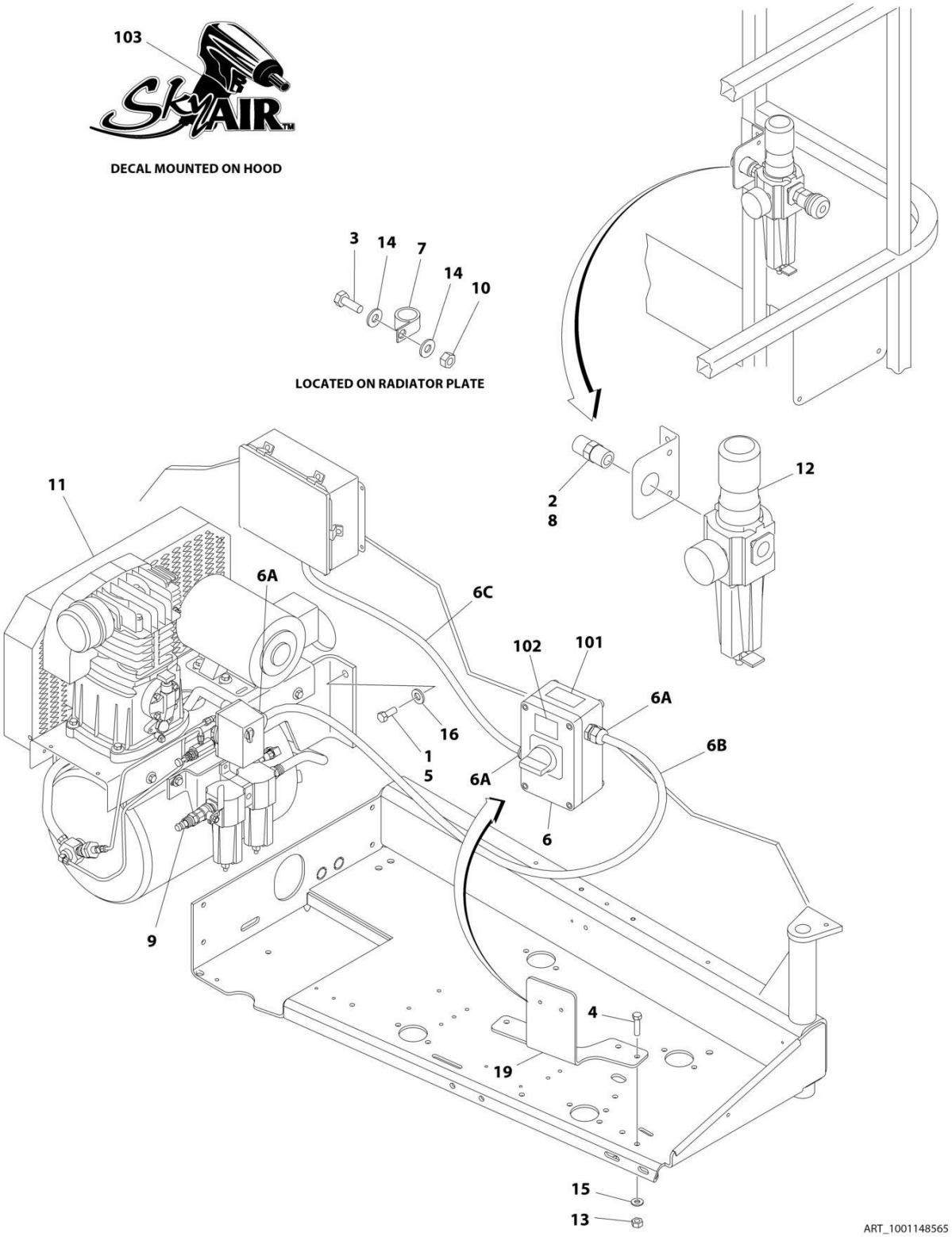


FIGURE 2-75. SKYAIR AIR COMPRESSOR INSTALLATION (DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148565	Ref	SKYAIR AIR COMPRESSOR INSTALLATION	B
1	0100019	AR	Compound, Locking	
2	0100020	AR	Sealant #567	
3	0641406	2	Bolt 1/4 x 3/4	
4	0641608	3	Bolt 3/8 x 1	
5	0641810	4	Bolt 1/2 x 1-1/4	
6	0861642	1	Control Box Assembly	
6A	4460633	3	Connector, Strain Relief	
6B	70002948	AR	Cable, Electrical - 12/4 (13ft/4m)	
6C	70002948	AR	Cable, Electrical - 12/4 (30in/76cm)	
7	1320224	2	Clamp	
8	2220252	1	Fitting	
9	2220750	1	Fitting	
10	3311405	2	Nut 1/4	
11	3600386	1	Compressor Assembly (See Separate Breakdown in this Section)	
12	3720021	1	Filter/Regulator Assembly	
12	7027781	1	Service Kit (Includes Gaskets and Seals)	
12	7027782	1	Filter	
12	7027784	1	Gauge	
12	7027783	1	Valve, Drain	
13	3311605	3	Nut 3/8	
14	4711400	4	Washer 1/4	
15	4711600	3	Washer 3/8	
16	4751800	4	Washer 1/2	
18	4240033	AR	Tie-Strap (Not Shown)	
19	1001144447	1	Bracket, Control Box	
	0273687	Ref	DECAL INSTALLATION	A
101	1705836	1	Decal - Hazard Voltage	
102	1705837	1	Decal - Air Compressor	
103	1705886	2	Decal - SkyAir	

FIGURE 2-76. AIR COMPRESSOR ASSEMBLY

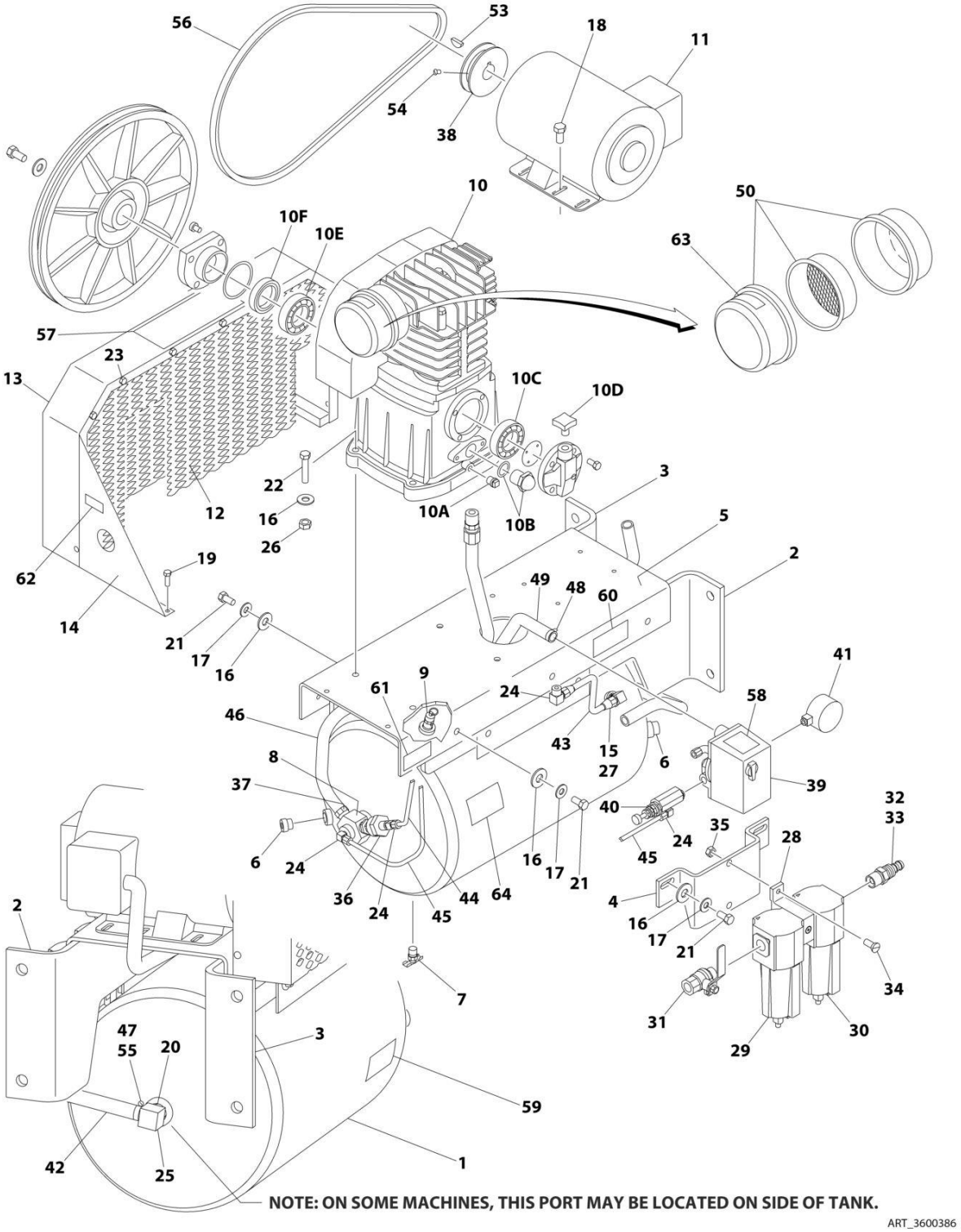


FIGURE 2-76. AIR COMPRESSOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3600386	Ref	AIR COMPRESSOR ASSEMBLY	B
1	7026632	1	Tank	
2	See Note	1	Bracket, Mounting (Note: Not Available for Purchase)	
3	See Note	1	Bracket, Mounting (Note: Not Available for Purchase)	
4	See Note	1	Bracket, Regulator Mounting (Note: Not Available for Purchase)	
5	See Note	1	Deck (Note: Not Available for Purchase)	
6	See Note	2	Plug (Note: Not Available for Purchase)	
7	7026633	1	Valve, Drain	
8	7026634	1	Valve, Check	
9	7026635	1	Valve, Safety	
10	7026636	1	Pump Assembly	
10	7026659	1	Gasket and Seal Kit	
10A	7026651	1	Plug, Oil Drain	
10B	7026652	1	Gauge, Oil Sight	
10C	7026653	1	Bearing	
10D	7026654	1	Cap, Oil Fill	
10E	7026655	1	Bearing	
10F	7026656	1	Seal	
11	7026637	1	Motor Assembly	
11	See Note	1	Brush Kit (Note: Not Available for Purchase)	
12	See Note	1	Screen, Inner (Note: Not Available for Purchase)	
13	See Note	1	Guard, Belt (Note: Not Available for Purchase)	
14	See Note	2	Support (Note: Not Available for Purchase)	
15	See Note	1	Bushing (Note: Not Available for Purchase)	
16	4751600	18	Washer 3/8	
17	4761600	10	Washer 3/8	
18	0641506	4	Bolt 5/16 x 3/4	
19	0641406	8	Bolt 1/4 x 3/4	
20	See Note	1	Bushing (Note: Not Available for Purchase)	
21	0641610	10	Bolt 3/8 x 1-1/4	
22	0641616	4	Bolt 3/8 x 2	
23	See Note	10	Bolt 1/4 x 1/2 (Note: Not Available for Purchase)	
24	See Note	4	Fitting (Note: Not Available for Purchase)	
25	See Note	1	Fitting, Barbed (Note: Not Available for Purchase)	
26	3311605	4	Nut 3/8	
27	See Note	1	Fitting, Compression (Note: Not Available for Purchase)	
28	See Note	1	Bracket, Mounting (Note: Not Available for Purchase)	
29	7026660	1	Filter, Oil Removal	
30	7026661	1	Filter, Water Removal	
31	70001663	1	Valve, Ball Shut-Off	
32	See Note	1	Bushing (Note: Not Available for Purchase)	
33	See Note	1	Fitting, Barbed (Note: Not Available for Purchase)	
34	See Note	2	Screw 1/4 x 1 (Note: Not Available for Purchase)	
35	3311405	2	Nut 1/4	
36	See Note	1	Unloader (Note: Not Available for Purchase)	
37	See Note	1	Fitting (Note: Not Available for Purchase)	
38	See Note	1	Pulley (Note: Not Available for Purchase)	
39	7026638	1	Switch, Pressure	
40	7026639	1	Vale, Pilot	
41	7026640	1	Gauge	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	See Note	1	Hose (Note: Not Available for Purchase)	
43	See Note	1	Tube, Feed (Note: Not Available for Purchase)	
44	See Note	1	Tube (Note: Not Available for Purchase)	
45	See Note	1	Tube (Note: Not Available for Purchase)	
46	See Note	1	Aftercooler (Note: Not Available for Purchase)	
47	See Note	2	Clamp (Note: Not Available for Purchase)	
48	See Note	2	Clamp (Note: Not Available for Purchase)	
49	See Note	1	Harness, Wiring (Note: Not Available for Purchase)	
50	7026658	1	Filter Assembly	
50	7026641	1	Element, Filter	
51	See Note	23 oz	Oil, Compressor (Note: Not Available for Purchase)	
52	0100020	AR	Sealant	
53	See Note	1	Key (Note: Not Available for Purchase)	
54	See Note	2	Setscrew (Note: Not Available for Purchase)	
55	See Note	2	Cover, Clamp End (Note: Not Available for Purchase)	
56	7026642	1	Belt	
57	7026643	1	Decal - Unit Warning	
58	7026644	1	Decal - Pressure Switch Warning	
59	7026645	1	Decal - Drain Tank Warning	
60	7026646	1	Decal - Compressor Maintenance	
61	7026647	1	Decal - Initial Oil Fill	
62	7026648	1	Decal - Hot Surfaces Warning	
63	7026649	1	Decal - Paper Element Cleaning	
64	7026650	1	Decal - Dual Control	

FIGURE 2-77. STROBE LIGHT INSTALLATION (AMBER) (ALL SPECS EXCEPT CHINA SPEC) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

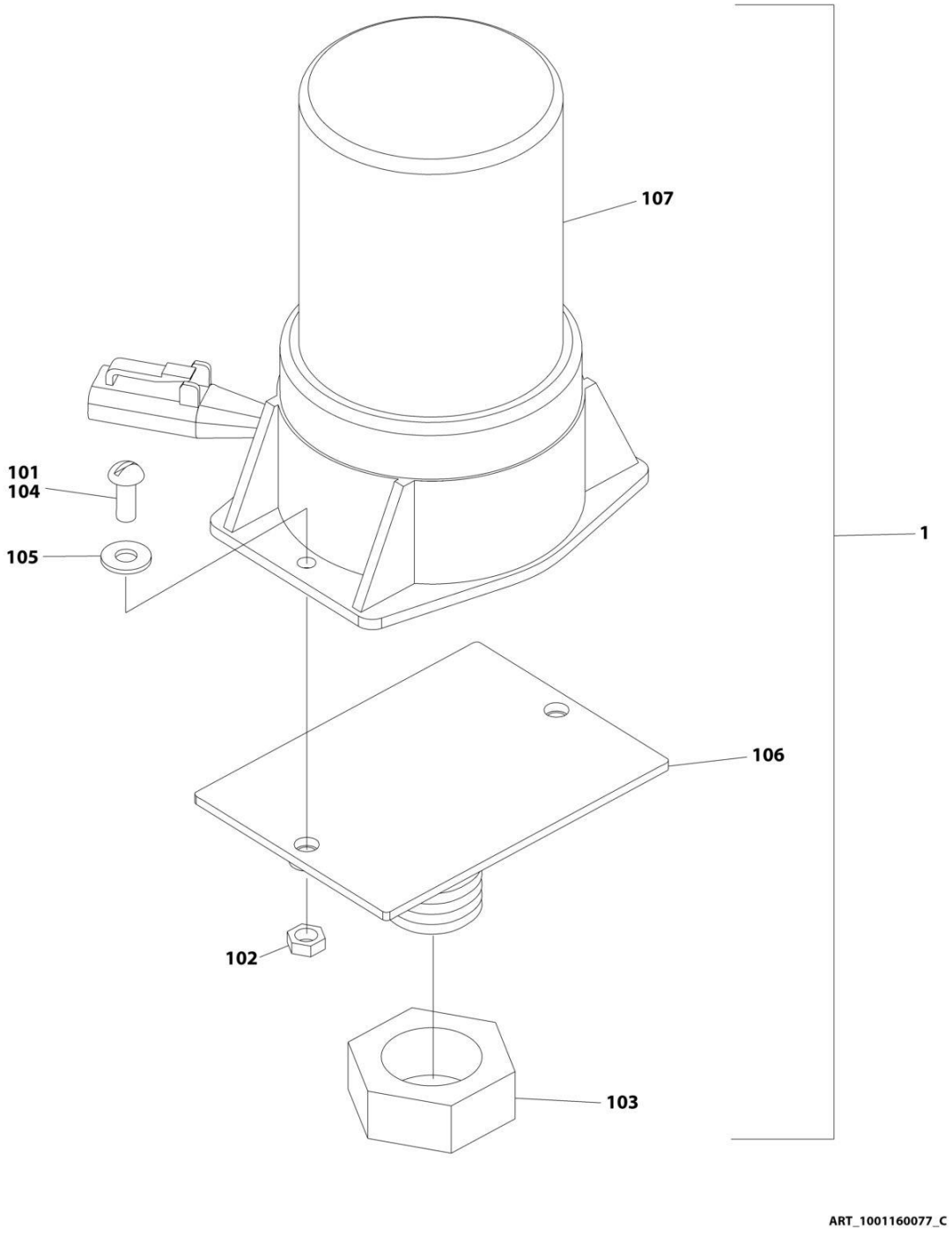


FIGURE 2-77. STROBE LIGHT INSTALLATION (AMBER) (ALL SPECS EXCEPT CHINA SPEC) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

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 2-78. STROBE LIGHT INSTALLATION (AMBER) (ALL SPECS EXCEPT CHINA SPEC) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

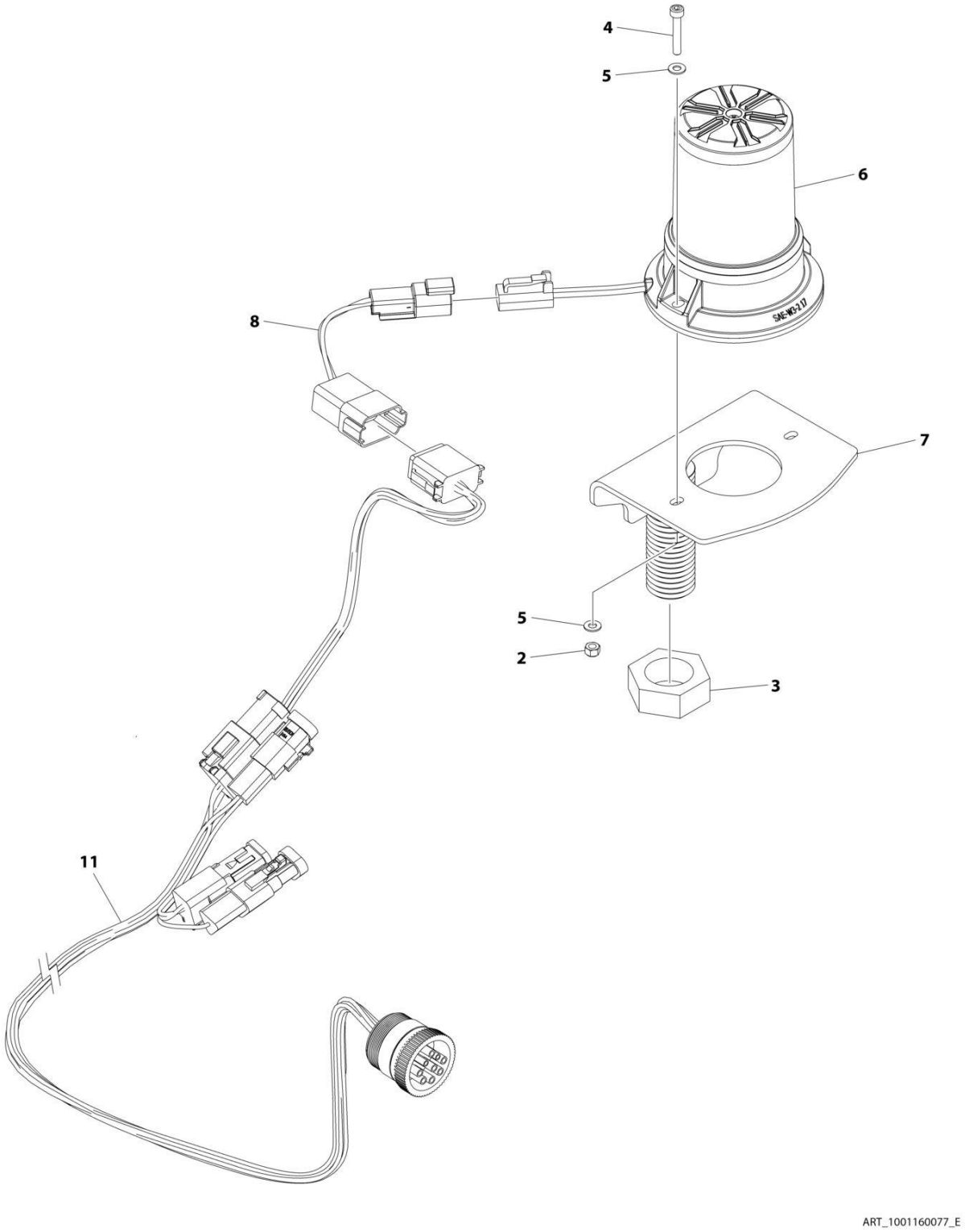


FIGURE 2-78. STROBE LIGHT INSTALLATION (AMBER) (ALL SPECS EXCEPT CHINA SPEC) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

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 2-79. STROBE LIGHT INSTALLATION (AMBER) (CHINA SPEC)

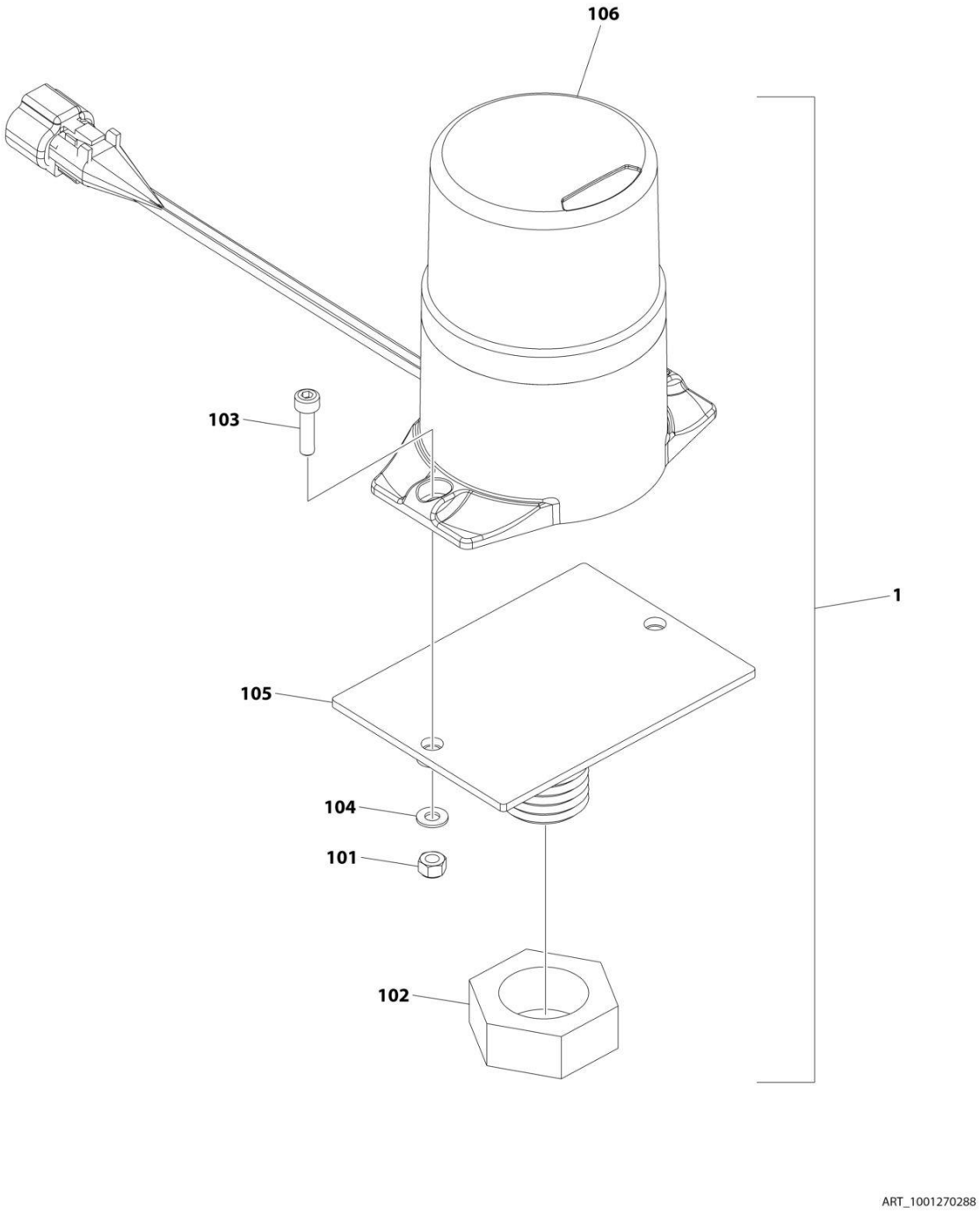


FIGURE 2-79. STROBE LIGHT INSTALLATION (AMBER) (CHINA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270288	Ref	STROBE LIGHT INSTALLATION (AMBER)	A
1	1001270287	1	Strobe Light Assembly (Includes Items 101-106)	A
101	3290405	2	Nut M4	
102	3312602	1	Nut	
103	4031507	2	Screw M4	
104	4811400	2	Washer	
105	1001149994	1	Mount, Strobe	
106	1001233479	1	Lamp, Strobe Beacon	

FIGURE 2-80. STROBE LIGHT INSTALLATION (BLUE)

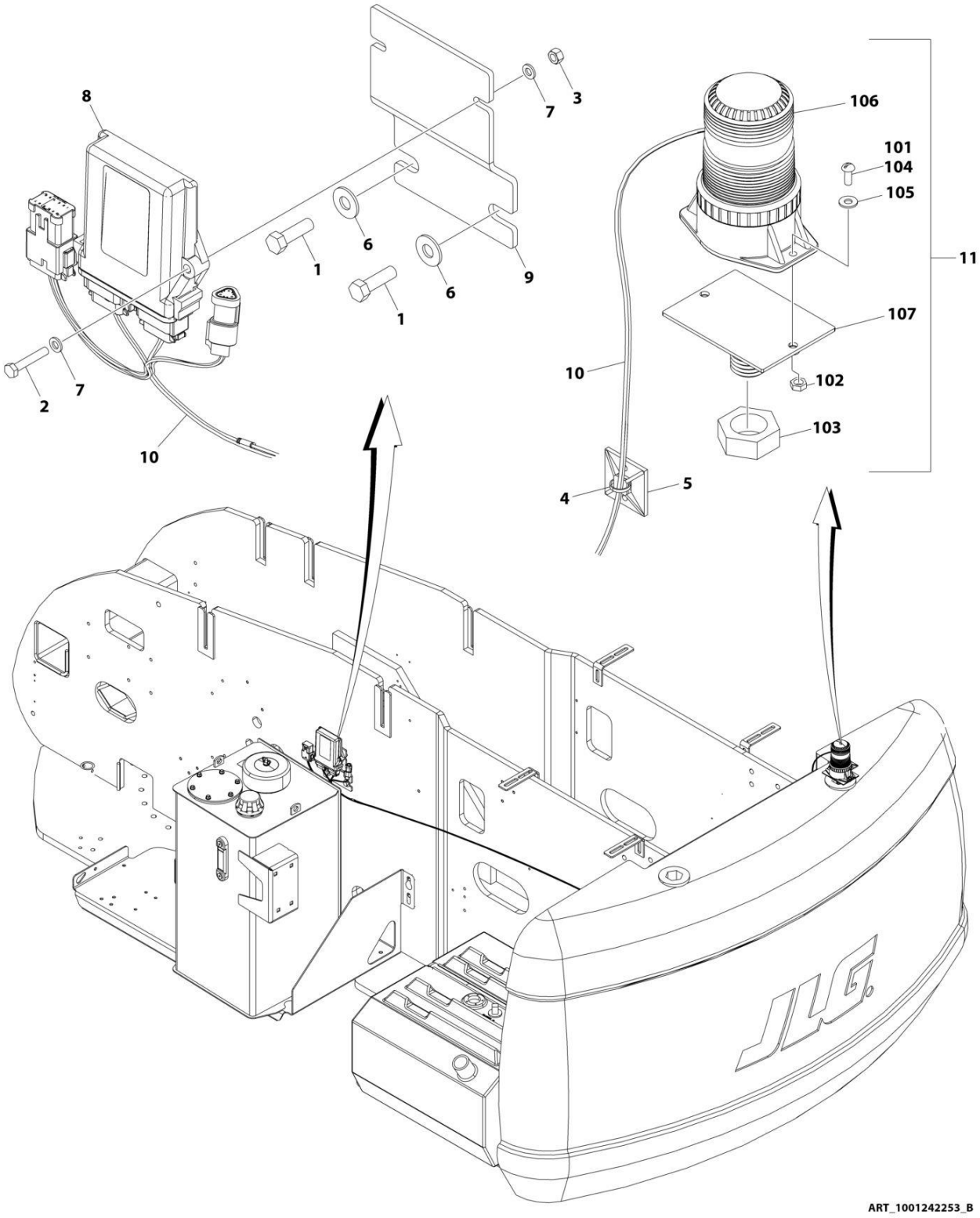


FIGURE 2-80. STROBE LIGHT INSTALLATION (BLUE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242253	Ref	STROBE LIGHT INSTALLATION (BLUE)	B
1	0641610	2	Bolt 3/8 x 1-1/4	
2	0700615	2	Bolt 6 x 35	
3	3290607	2	Nut M6	
4	4240032	AR	Tie-Strap	
5	4460488	AR	Base, Terminal, Mounting	
6	4751600	2	Washer 3/8	
7	4811700	4	Washer M6	
8	1001142683	1	Module, Control - Beacon	
9	1001142722	1	Bracket	
10	1001142736	1	Beacon Control Harness (See Separate Breakdown in ELECTRICAL Section)	
11	1001278845	1	Beacon Kit - Blue (Includes Items 102 - 107)	
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	1001272681	1	Light, Beacon	
106	4460897	1	Connector	
106	4460464	2	Pin	
107	1001278850	1	Plate, Mounting	

FIGURE 2-81. STROBE LIGHT INSTALLATION (RED)

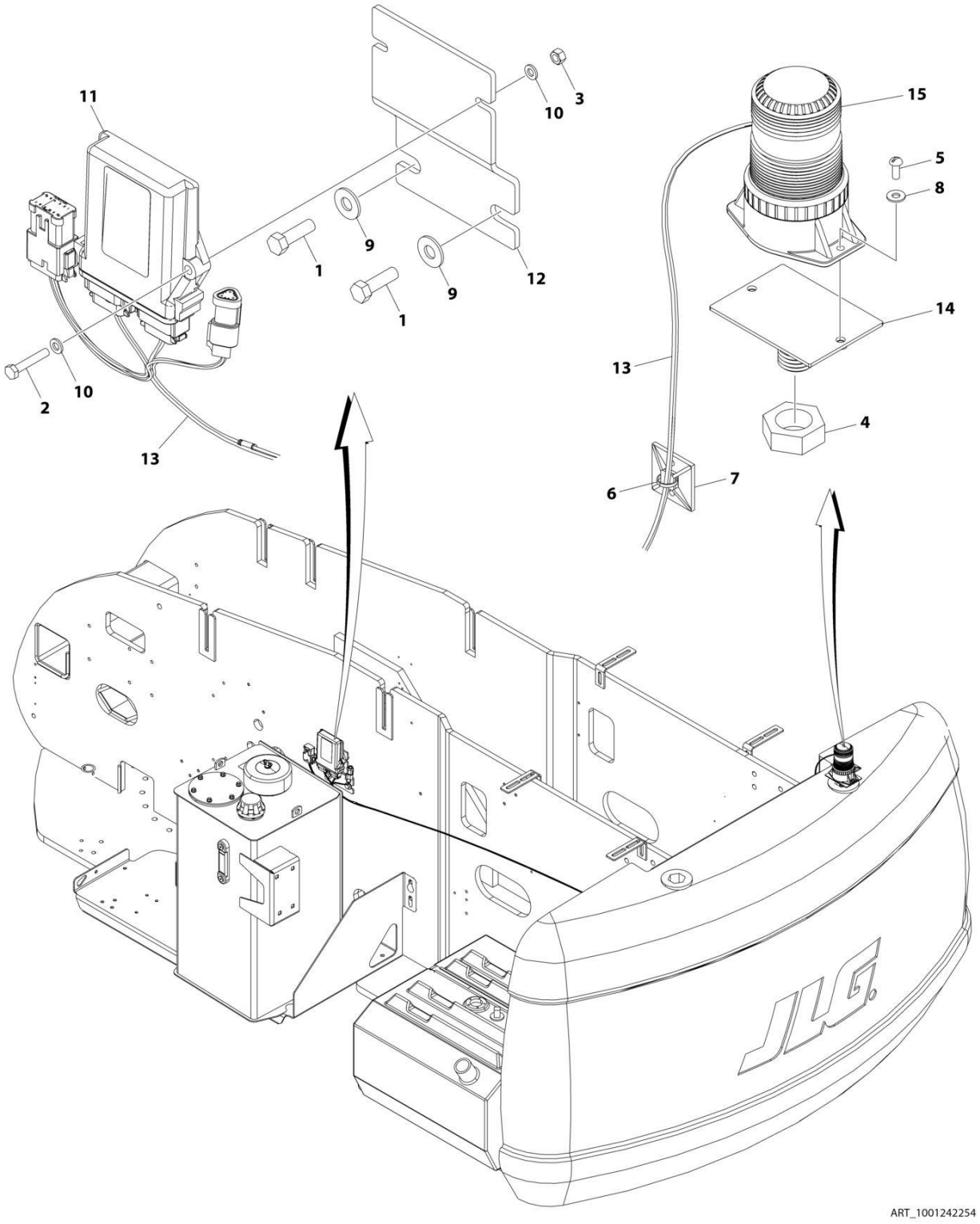


FIGURE 2-81. STROBE LIGHT INSTALLATION (RED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242254	Ref	STROBE LIGHT INSTALLATION (RED)	A
1	0641610	2	Bolt 3/8 x 1-1/4	
2	0700615	2	Bolt 6 x 35	
3	3290607	2	Nut M6	
4	3312602	1	Nut	
5	3900085	2	Screw	
6	4240032	AR	Tie Strap	
7	4460488	AR	Base, Terminal, Mounting	
8	4751000	2	Washer	
9	4751600	2	Washer 3/8	
10	4811700	4	Washer M6	
11	1001142683	1	Module, Control - Beacon	
12	1001142722	1	Bracket	
13	1001142736	1	Beacon Control Harness (See Separate Breakdown in ELECTRICAL SECTION)	
14	1001149994	1	Mount, Strobe	
15	1001207004	1	Light, Beacon	

FIGURE 2-82. WHITE NOISE ALARM INSTALLATION - AMBIENT

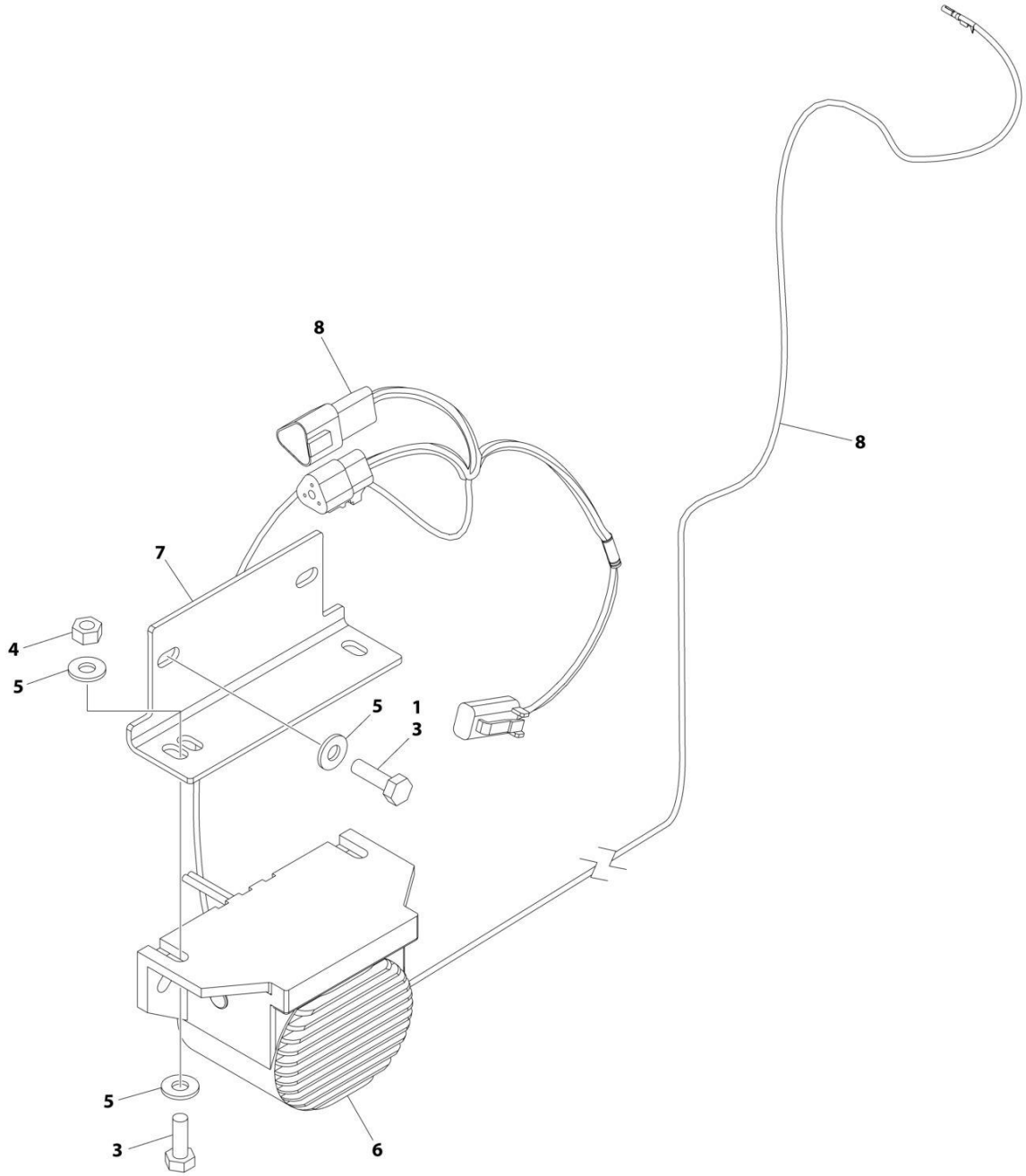


FIGURE 2-82. WHITE NOISE ALARM INSTALLATION - AMBIENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247281	Ref	WHITE NOISE ALARM INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100048	AR	Compound, Silicone (Not Shown)	
3	0641406	4	Bolt 1/4 x 3/4	
4	3311405	2	Nut 1/4	
5	4711400	6	Washer 1/4	
6	1001182806	1	Alarm	
7	1001231886	1	Plate	
8	1001243682	1	White Noise Motion Alarm Harness (See Separate Breakdown in this Section)	

FIGURE 2-83. WHITE NOISE ALARM INSTALLATION - CONSTANT

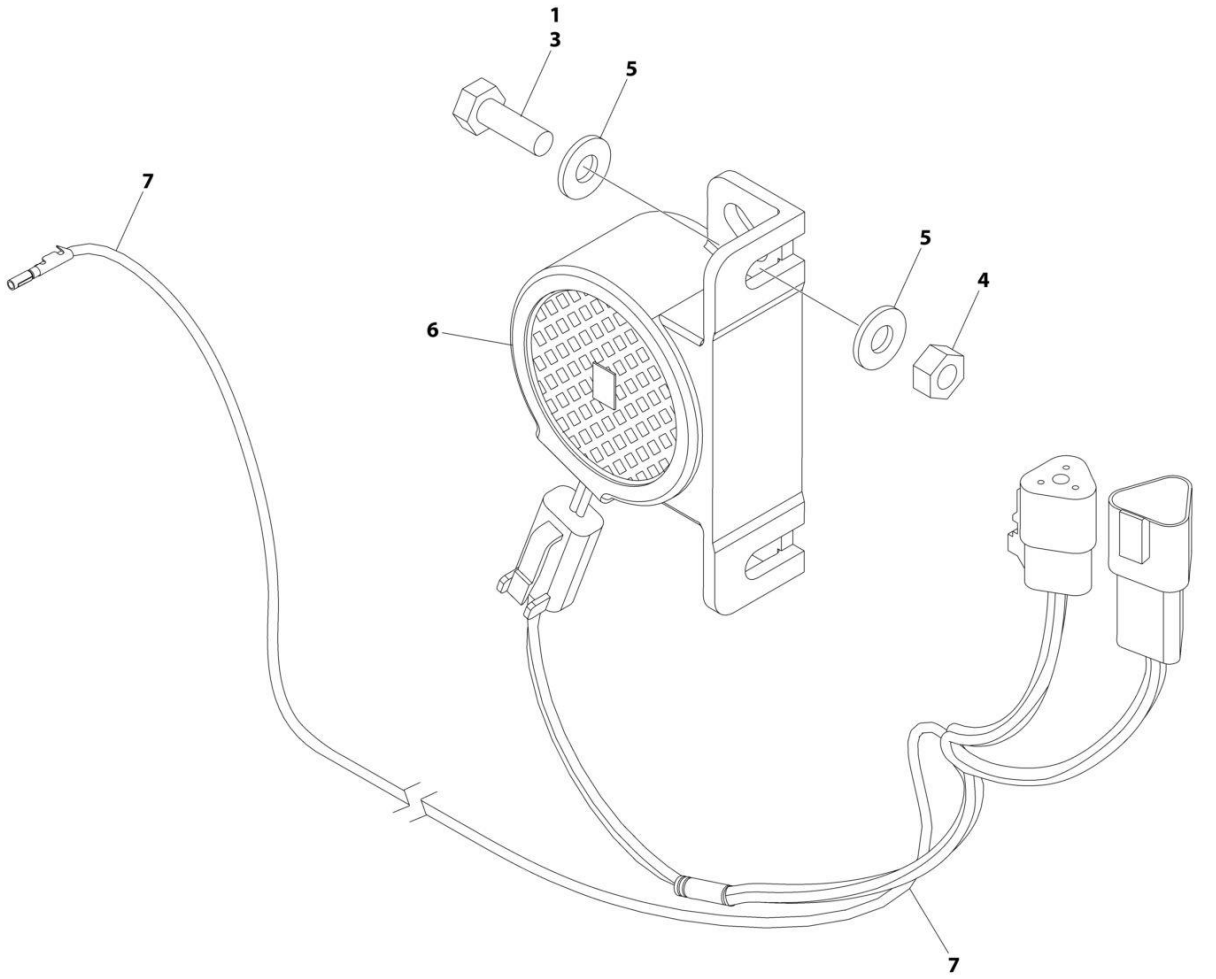


FIGURE 2-83. WHITE NOISE ALARM INSTALLATION - CONSTANT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263179	Ref	WHITE NOISE ALARM INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100048	AR	Compound, Silicone (Not Shown)	
3	0641406	2	Bolt 1/4 x 3/4	
4	3311405	2	Nut 1/4	
5	4711400	4	Washer 1/4	
6	1001184682	1	Alarm	
7	1001243682	1	White Noise Motion Alarm Harness (See Separate Breakdown in this Section)	

FIGURE 2-84. WHITE NOISE ALARM HARNESS

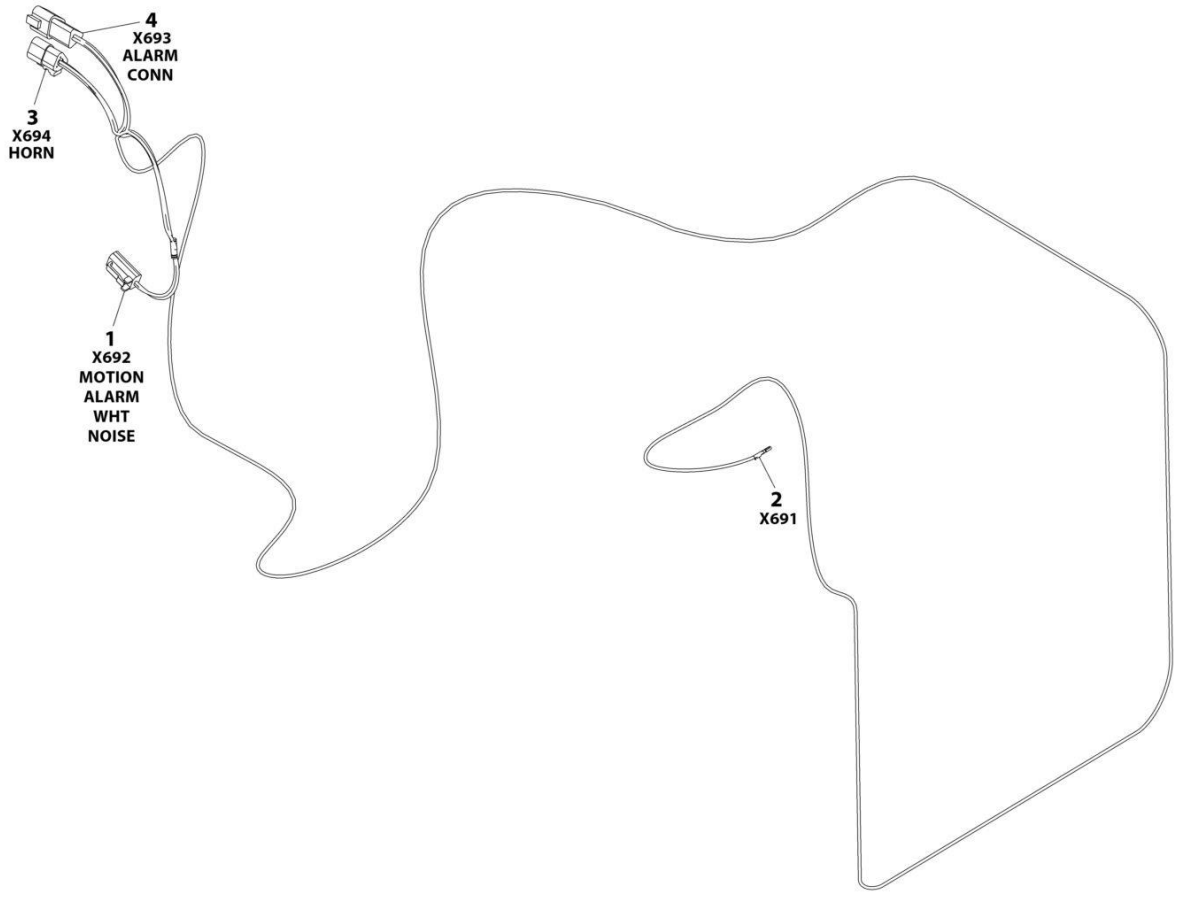


FIGURE 2-84. WHITE NOISE ALARM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243682	Ref	WHITE NOISE ALARM HARNESS	A
1	4460891	1	Plug, Male - 2 Position	
1	4460465	2	Socket, Female	
2	4460871	1	Terminal	
3	4460539	1	Plug, Male- 3 Position	
3	4460465	3	Socket, Female	
4	4460536	1	Receptacle, Female- 3 Position	
4	4460464	3	Pin, Male	

SECTION 3 - ENGINE

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

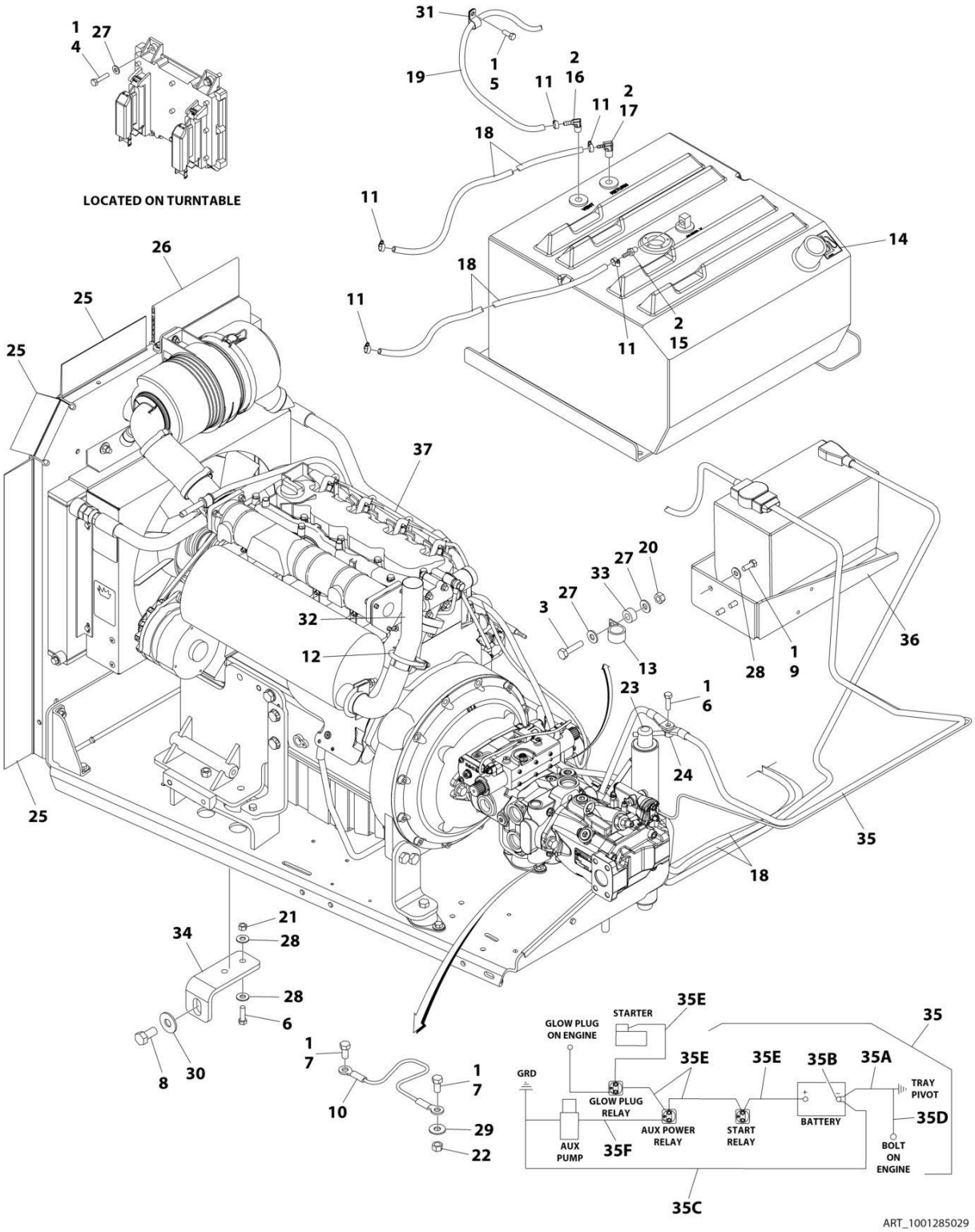


FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285029	Ref	DEUTZ D2011 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641409	1	Bolt 1/4 x 1-1/8	
4	0641410	4	Bolt 1/4 x 1-1/4	
5	0641608	1	Bolt 3/8 x 1	
6	0641610	3	Bolt 3/8 x 1-1/4	
7	0641808	2	Bolt 1/2 x 1	
8	0642010	1	Bolt 5/8 x 1-1/4	
9	0681608	3	Bolt 3/8 x 1 Grade 8	
10	1060637	1	Cable, Lanyard	
11	1320022	5	Clamp, Hose	
12	1320176	1	Clamp	
13	1320224	1	Clamp	
14	1701505	1	Decal - Diesel	
15	2180348	1	Fitting, Straight Barbed	
16	2220313	1	Fitting, Elbow	
17	2221176	1	Fitting, Elbow Barbed	
18	2720058	30 ft/ 9.2m	Hose	
19	2750532	3.5 ft/ 1m	Hose	
20	3311405	1	Nut 1/4	
21	3311605	2	Nut 3/8	
22	3311801	1	Nut 1/2	
23	3422446	1	Pin, Pivot	
24	3841143	1	Pin, Keeper	
25	3960548	44 in/ 1.1m	Seal	
26	3960549	11 in/ 28cm	Seal	
27	4711400	6	Washer 1/4	
28	4751600	7	Washer 3/8	
29	4751800	1	Washer 1/2	
30	4752000	1	Washer 5/8	
31	8406102	1	Clip	
32	1001101600	1	Tube, Exhaust	
33	1001110425	1	Spacer	
34	1001151070	1	Plate	
35	1001155143	1	Battery Cable Kit	D
35A	7027092	1	Cable, Battery (Black) (Battery - to Tray Pivot and Relay Grds)	
35B	8270147	1	Terminal, Battery (With Boot) Cable, Battery (Black)	
35C	7027093	1	Cable, Battery (Black) (Battery - to Aux Pump Ground)	
35D	7027053	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
35E	7027094	1	Cable (Red) (Battery + to Relays/Starter)	
35F	7027095	1	Cable (Red) (Aux Relay to Aux Pump)	
36	1001162497	1	Bracket	
37	1001285028	1	Engine and Pump Assembly without Arctic Package (See Separate Breakdown in this Section)	

FIGURE 3-2. DEUTZ D2011 ENGINE INSTALLATION - (WITH ARCTIC PACKAGE) (WITH 25 GAL CAPACITY HYDRAULIC TANK)

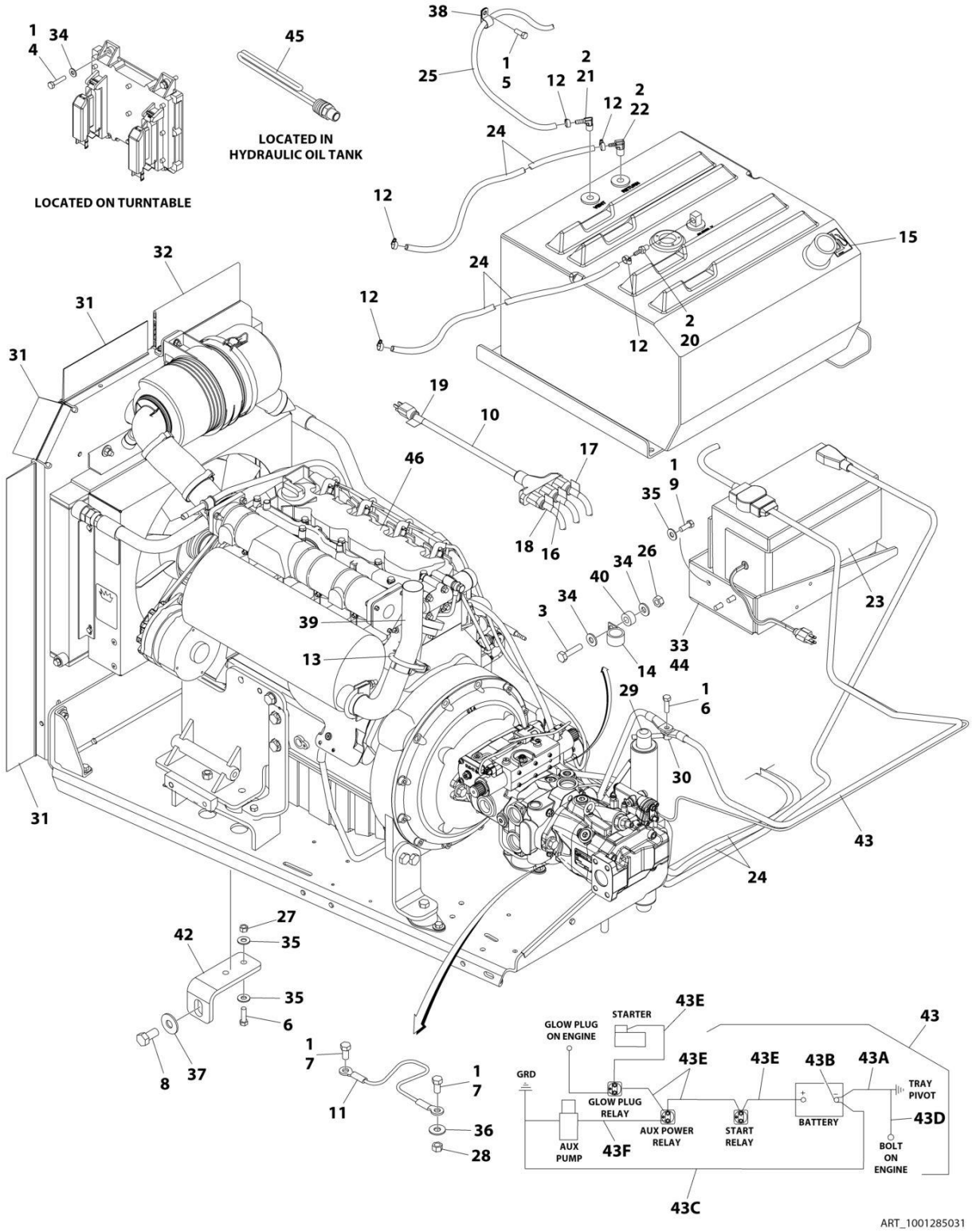


FIGURE 3-2. DEUTZ D2011 ENGINE INSTALLATION - (WITH ARCTIC PACKAGE) (WITH 25 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285031	Ref	DEUTZ D2011 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641409	1	Bolt 1/4 x 1-1/8	
4	0641410	4	Bolt 1/4 x 1-1/4	
5	0641608	1	Bolt 3/8 x 1	
6	0641610	3	Bolt 3/8 x 1-1/4	
7	0641808	2	Bolt 1/2 x 1	
8	0642010	1	Bolt 5/8 x 1-1/4	
9	0681608	3	Bolt 3/8 x 1 Grade 8	
10	1060626	1	Cord, 3 Way Extension	
11	1060637	1	Cable, Lanyard	
12	1320022	5	Clamp, Hose	
13	1320176	1	Clamp	
14	1320224	1	Clamp	
15	1701505	1	Decal - Diesel	
16	1702941	1	Decal - Battery Heater	
17	1702942	1	Decal - Engine Block Heater	
18	1702943	1	Decal - Hydraulic Tank Heater	
19	1702944	1	Decal - Heater Cord	
20	2180348	1	Fitting, Straight Barbed	
21	2220313	1	Fitting, Elbow	
22	2221176	1	Fitting, Elbow Barbed	
23	2580024	1	Heater, Battery	
24	2720058	30 ft/ 9.2m	Hose	
25	2750532	3.6 ft/ 1m	Hose	
26	3311405	1	Nut 1/4	
27	3311605	2	Nut 3/8	
28	3311801	1	Nut 1/2	
29	3422446	1	Pin, Pivot	
30	3841143	1	Pin, Keeper	
31	3960548	44 in/ 1.1m	Seal	
32	3960549	11 in/ 28cm	Seal	
33	3980007	1	Seat, Battery	
34	4711400	6	Washer 1/4	
35	4751600	7	Washer 3/8	
36	4751800	1	Washer 1/2	
37	4752000	1	Washer 5/8	
38	8406102	1	Clip	
39	1001101600	1	Tube, Exhaust	
40	1001110425	1	Spacer	
41	1001150918	1	Cable, Immersion Heater (Not Shown)	
42	1001151070	1	Plate	
43	1001155143	1	Battery Cable Kit	
43A	7027092	1	Cable, Battery (Black) (Battery - to Tray Pivot and Relay Grds)	
43B	8270147	1	Terminal, Battery (With Boot) Cable, Battery (Black)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43C	7027093	1	Cable, Battery (Black) (Battery - to Aux Pump Ground)	
43D	7027053	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
43E	7027094	1	Cable (Red) (Battery + to Relays/Starter)	
43F	7027095	1	Cable (Red) (Aux Relay to Aux Pump)	
44	1001162497	1	Bracket	
45	1001188972	1	Heater, Hydraulic Tank	
46	1001285030	1	Engine and Pump Assembly with Arctic Package (See Separate Breakdown in this Section)	

FIGURE 3-3. DEUTZ D2011 ENGINE INSTALLATION - (WITH ARCTIC PACKAGE) (WITH 47.8 GAL CAPACITY HYDRAULIC TANK)

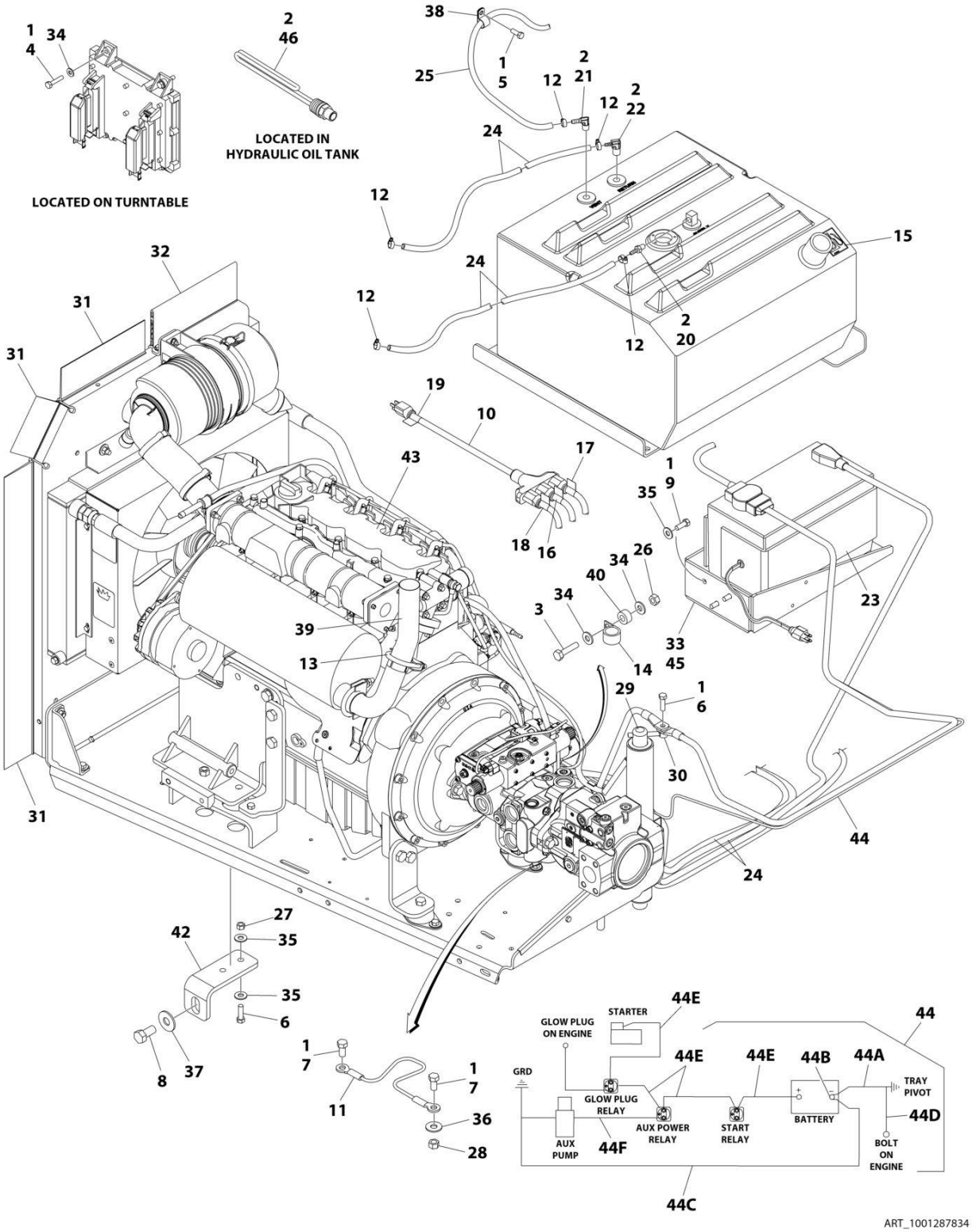


FIGURE 3-3. DEUTZ D2011 ENGINE INSTALLATION - (WITH ARCTIC PACKAGE) (WITH 47.8 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287834	Ref	DEUTZ D2011 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641409	1	Bolt 1/4 x 1-1/8	
4	0641410	4	Bolt 1/4 x 1-1/4	
5	0641608	1	Bolt 3/8 x 1	
6	0641610	3	Bolt 3/8 x 1-1/4	
7	0641808	2	Bolt 1/2 x 1	
8	0642010	1	Bolt 5/8 x 1-1/4	
9	0681608	3	Bolt 3/8 x 1 Grade 8	
10	1060626	1	Cord, 3 Way Extension	
11	1060637	1	Cable, Lanyard	
12	1320022	5	Clamp, Hose	
13	1320176	1	Clamp	
14	1320224	1	Clamp	
15	1701505	1	Decal - Diesel	
16	1702941	1	Decal - Battery Heater	
17	1702942	1	Decal - Engine Block Heater	
18	1702943	1	Decal - Hydraulic Tank Heater	
19	1702944	1	Decal - Heater Cord	
20	2180348	1	Fitting, Straight Barbed	
21	2220313	1	Fitting, Elbow	
22	2221176	1	Fitting, Elbow Barbed	
23	2580024	1	Heater, Battery	
24	2720058	30 ft/ 9.2m	Hose	
25	2750532	3.6 ft/ 1m	Hose	
26	3311405	1	Nut 1/4	
27	3311605	2	Nut 3/8	
28	3311801	1	Nut 1/2	
29	3422446	1	Pin, Pivot	
30	3841143	1	Pin, Keeper	
31	3960548	44 in/ 1.1m	Seal	
32	3960549	11 in/ 28cm	Seal	
33	3980007	1	Seat, Battery	
34	4711400	6	Washer 1/4	
35	4751600	7	Washer 3/8	
36	4751800	1	Washer 1/2	
37	4752000	1	Washer 5/8	
38	8406102	1	Clip	
39	1001101600	1	Tube, Exhaust	
40	1001110425	1	Spacer	
41	1001150918	1	Cable, Immersion Heater (Not Shown)	
42	1001151070	1	Plate	
43	1001154237	1	Engine and Pump Assembly with Arctic Package (See Separate Breakdown in this Section)	
44	1001155143	1	Battery Cable Kit	
44A	7027092	1	Cable, Battery (Black) (Battery - to Tray Pivot and Relay Grds)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44B	8270147	1	Terminal, Battery (With Boot) Cable, Battery (Black)	
44C	7027093	1	Cable, Battery (Black) (Battery - to Aux Pump Ground)	
44D	7027053	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
44E	7027094	1	Cable (Red) (Battery + to Relays/Starter)	
44F	7027095	1	Cable (Red) (Aux Relay to Aux Pump)	
45	1001162497	1	Bracket	
46	1001188972	1	Heater, Hydraulic Tank	

FIGURE 3-4. DEUTZ D2011 ENGINE INSTALLATION (HIGH TEMP MARKETS)

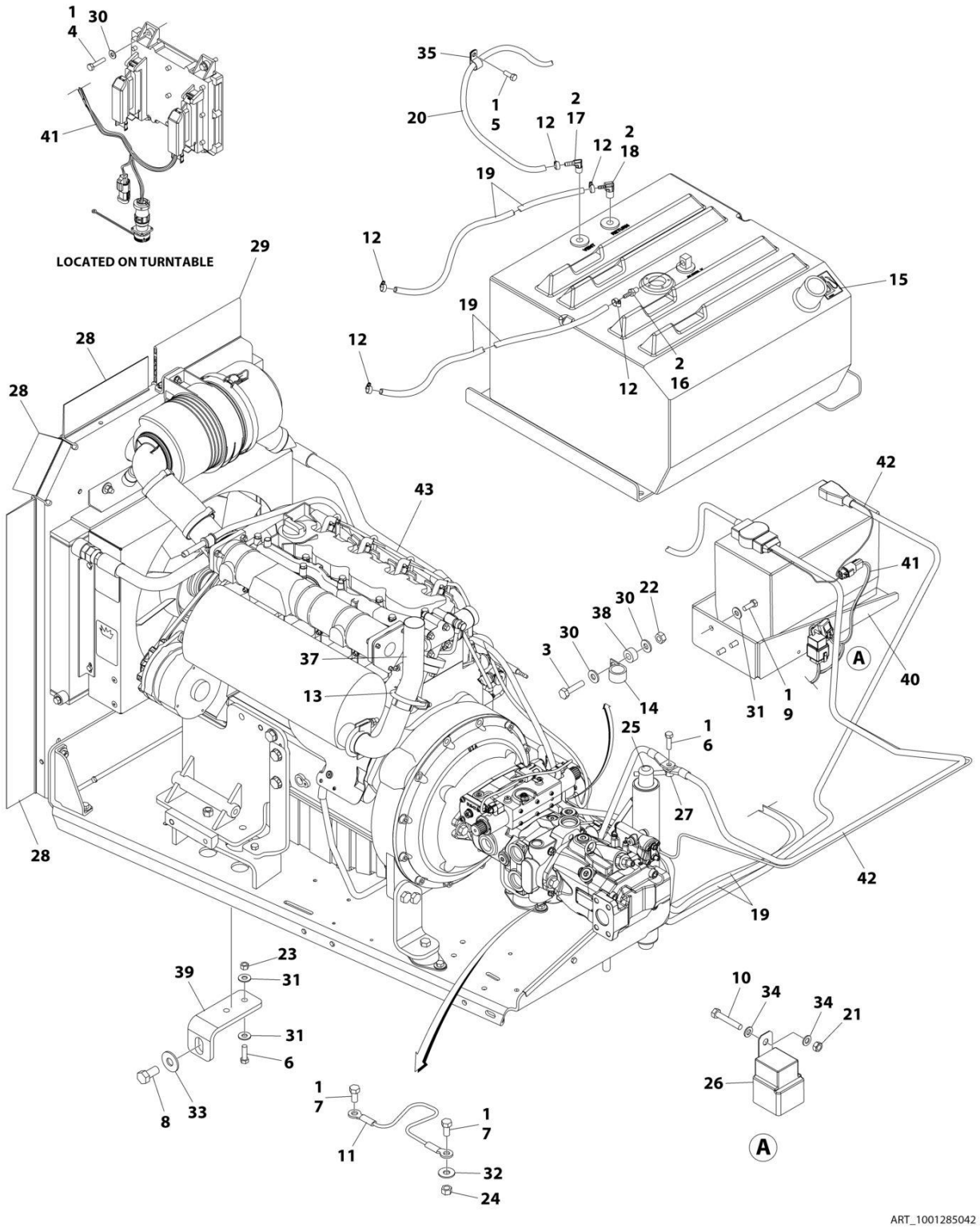


FIGURE 3-4. DEUTZ D2011 ENGINE INSTALLATION (HIGH TEMP MARKETS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285042	Ref	DEUTZ D2011 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641409	1	Bolt 1/4 x 1-1/8	
4	0641410	4	Bolt 1/4 x 1-1/4	
5	0641608	1	Bolt 3/8 x 1	
6	0641610	3	Bolt 3/8 x 1-1/4	
7	0641808	2	Bolt 1/2 x 1	
8	0642010	1	Bolt 5/8 x 1-1/4	
9	0681608	3	Bolt 3/8 x 1	
10	0760514	1	Bolt M5 x 30	
11	1060637	1	Cable, Lanyard	
12	1320022	5	Clamp, Hose	
13	1320176	1	Clamp	
14	1320224	1	Clamp	
15	1701505	1	Decal - Diesel	
16	2180348	1	Fitting, Straight Barbed	
17	2220313	1	Fitting, Elbow	
18	2221176	1	Fitting, Elbow Barbed	
19	2720058	30 ft/ 9.2m	Hose	
20	2750532	3.5 ft/ 1m	Hose	
21	3290501	1	Nut M5	
22	3311405	1	Nut 1/4	
23	3311605	2	Nut 3/8	
24	3311801	1	Nut 1/2	
25	3422446	1	Pin, Pivot	
26	3740080	1	Relay	
27	3841143	1	Pin, Keeper	
28	3960548	44 in/ 1.1m	Seal	
29	3960549	11 in/ 28cm	Seal	
30	4711400	6	Washer 1/4	
31	4751600	7	Washer 3/8	
32	4751800	1	Washer 1/2	
33	4752000	1	Washer 5/8	
34	4811600	2	Washer M5	
35	8406102	1	Clip	
36	1001004720	AR	Tie-Strap (Not Shown)	
37	1001101600	1	Tube, Exhaust	
38	1001110425	1	Spacer	
39	1001151070	1	Plate	
40	1001162497	1	Bracket	
41	1001243366	1	Harness, ECU Jumper	
42	1001243992	1	Battery Cable Kit	
43	1001285028	1	Engine and Pump Assembly without Arctic Package (See Separate Breakdown in this Section)	

FIGURE 3-5. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

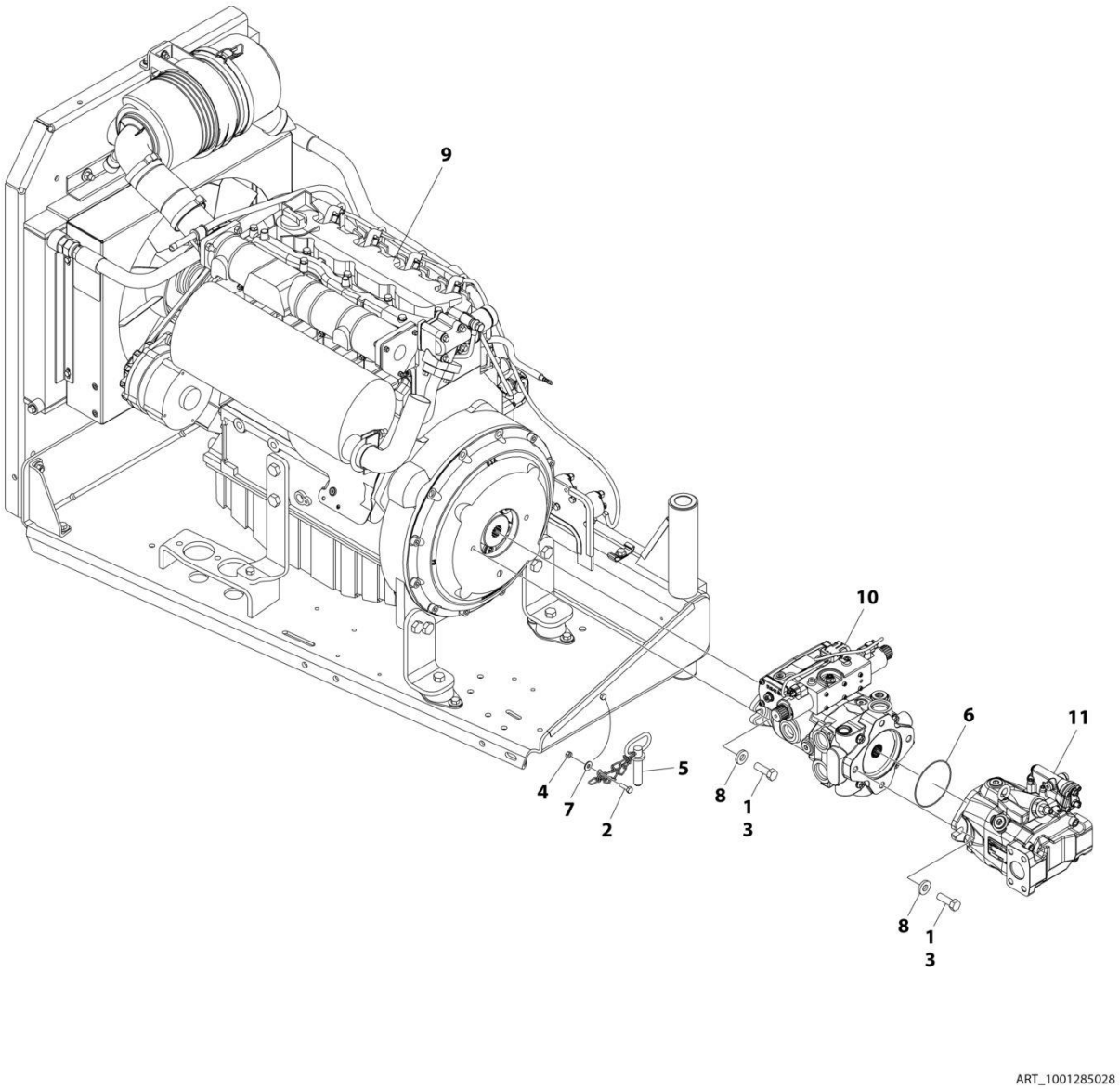


FIGURE 3-5. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285028	Ref	DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)	A
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641812	4	Bolt 1/2 x 1-1/2	
4	3311405	1	Nut 1/4	
5	3422532	1	Pin, Hitch	
6	3790044	1	O-Ring	
7	4751400	1	Washer 1/4	
8	4891800	4	Washer 1/2	
9	1001153396	1	Engine Assembly Without Arctic Package (See Separate Breakdown in this Section)	
10	1001225745	1	Hydrostatic Pump Assembly with Fittings (See Separate Breakdown in this Section)	
11	1001276377	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	

FIGURE 3-6. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY - (WITH ARCTIC PACKAGE) (WITH 25 GAL CAPACITY HYDRAULIC TANK)

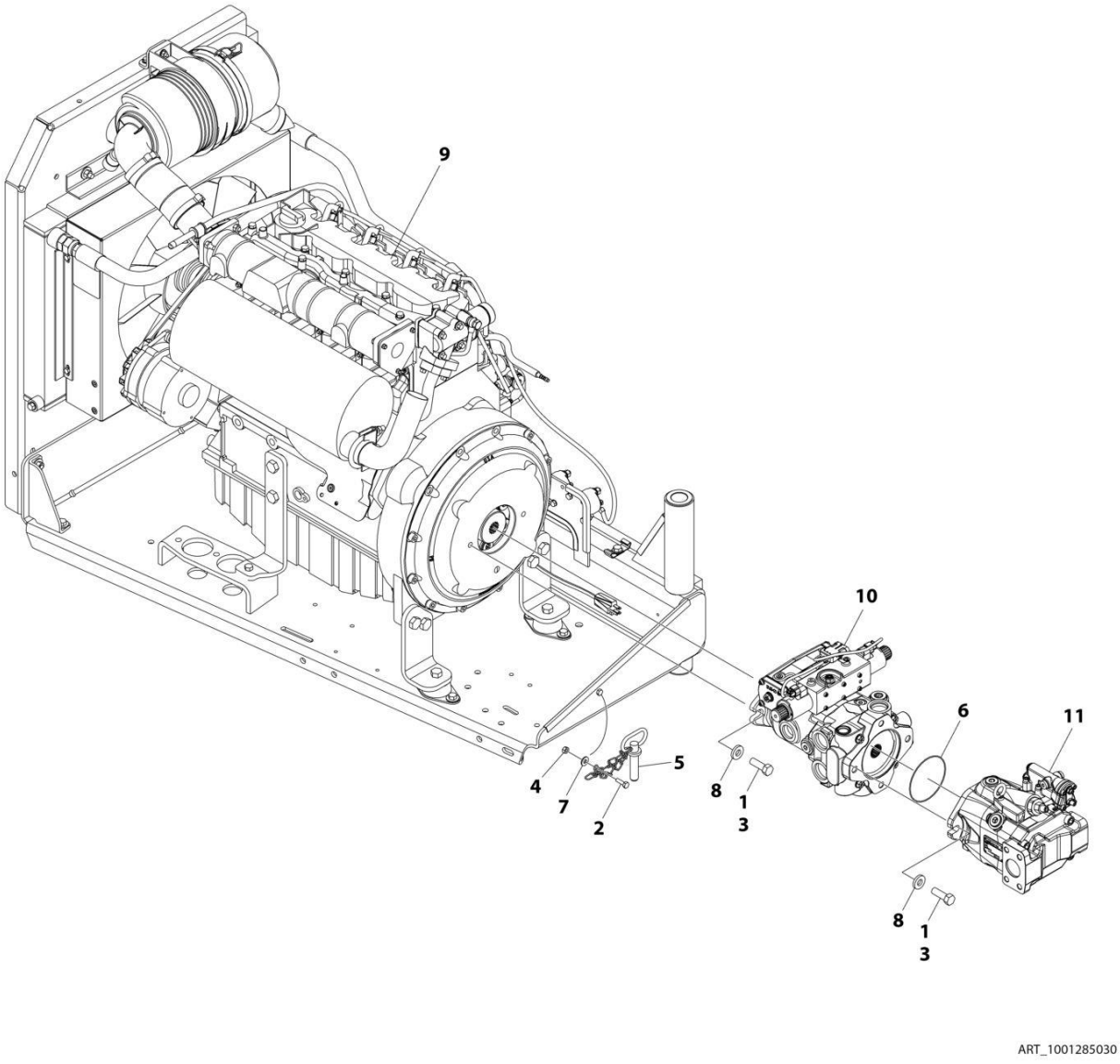


FIGURE 3-6. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY - (WITH ARCTIC PACKAGE) (WITH 25 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285030	Ref	DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)	A
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641812	4	Bolt 1/2 x 1-1/2	
4	3311405	1	Nut 1/4	
5	3422532	1	Pin, Hitch	
6	3790044	1	O-Ring	
7	4751400	1	Washer 1/4	
8	4891800	4	Washer 1/2	
9	1001153779	1	Engine Assembly With Arctic Package (See Separate Breakdown in this Section)	
10	1001225745	1	Hydrostatic Pump Assembly with Fittings (See Separate Breakdown in this Section)	
11	1001276377	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	

FIGURE 3-7. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY - (WITH ARCTIC PACKAGE) (WITH 47.8 GAL CAPACITY HYDRAULIC TANK)

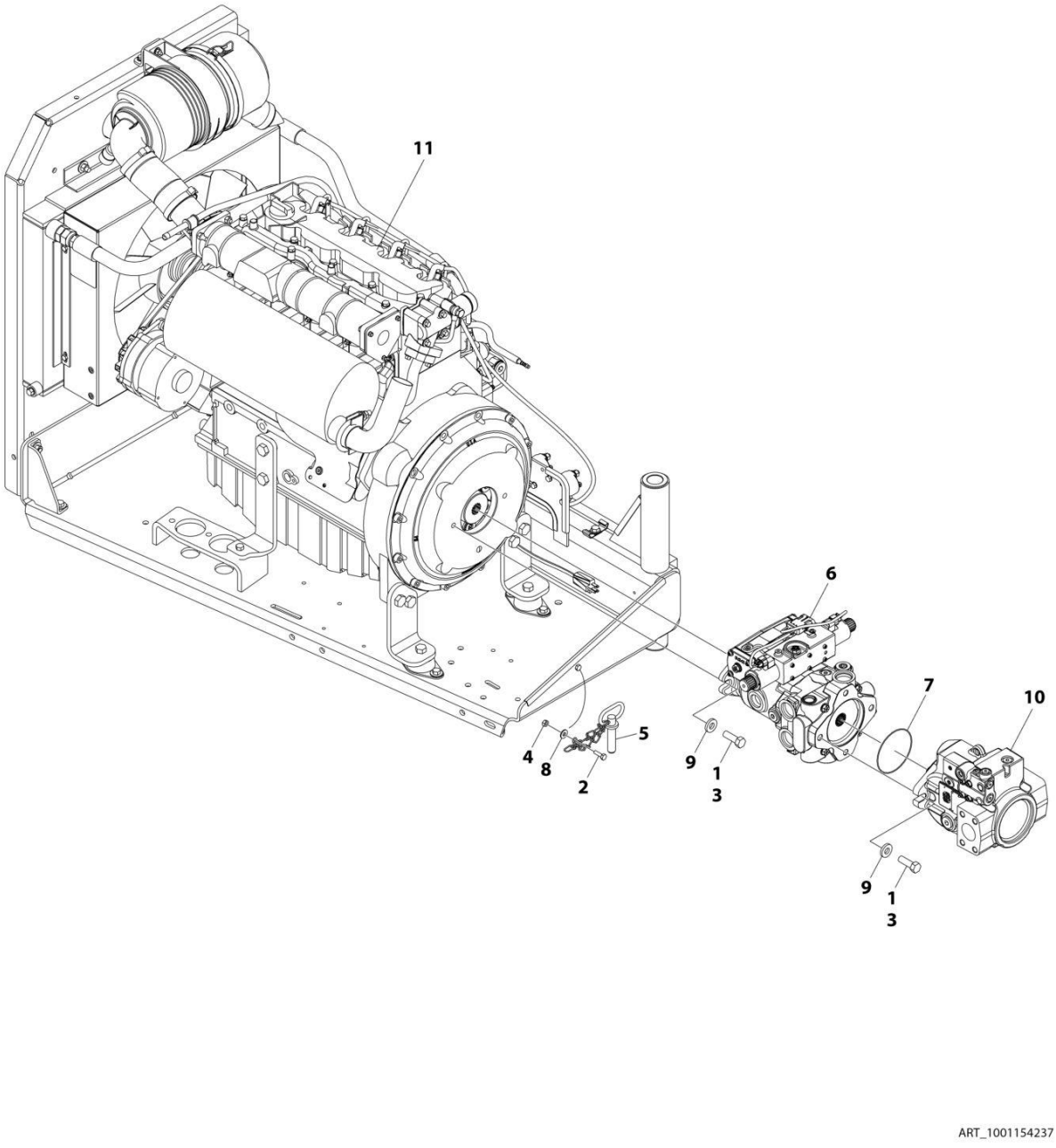
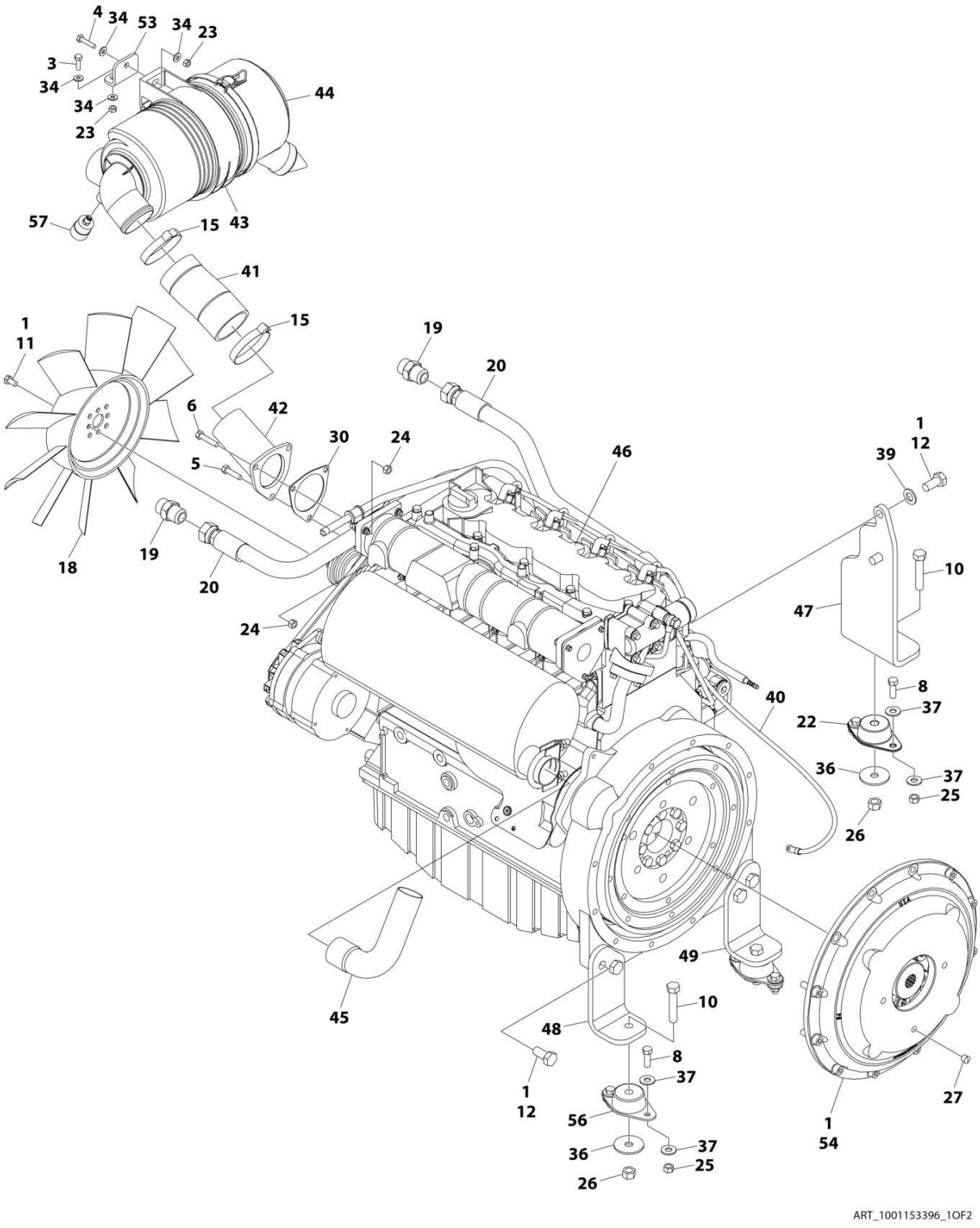
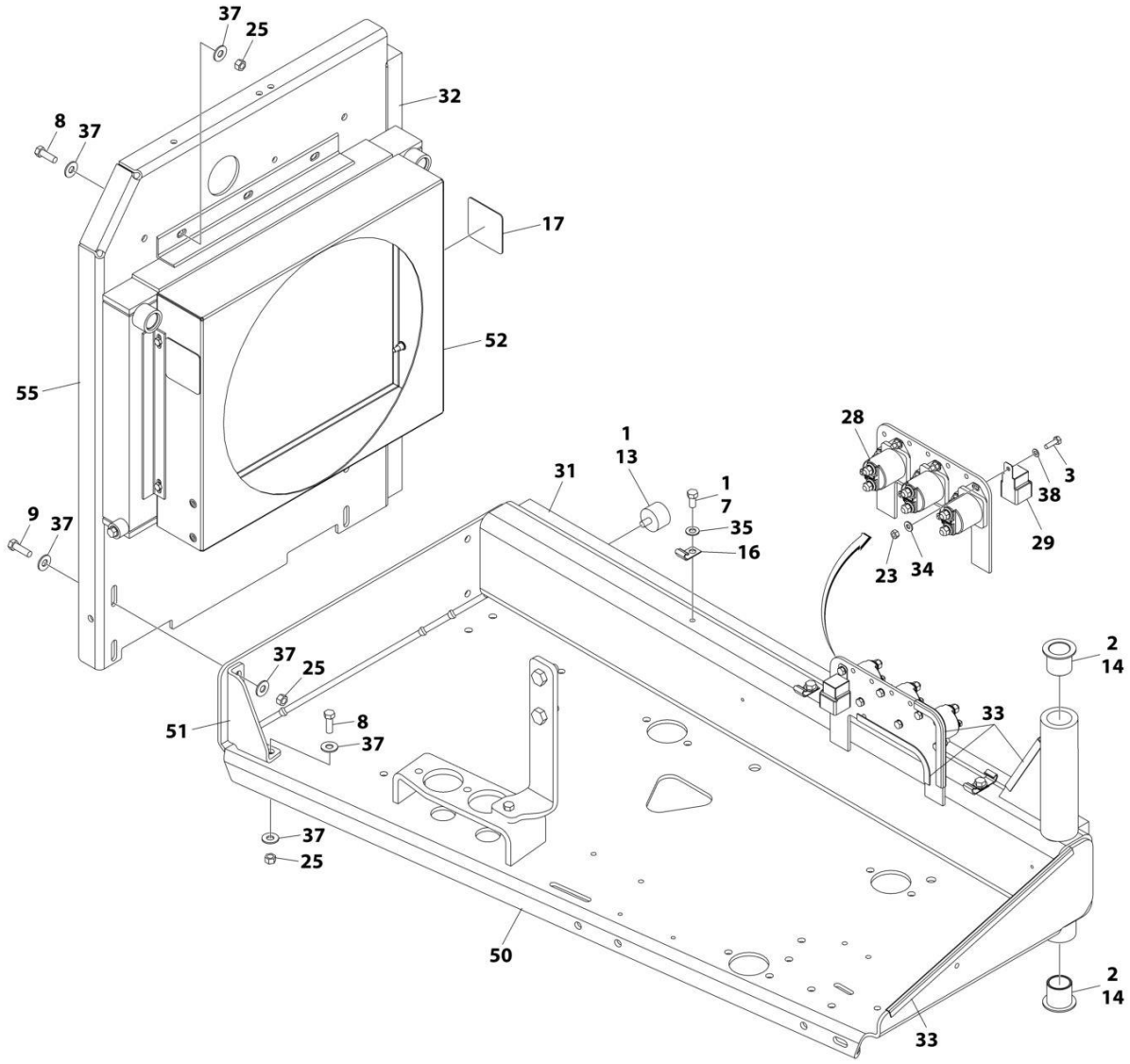


FIGURE 3-7. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY - (WITH ARCTIC PACKAGE) (WITH 47.8 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154237	Ref	DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)	D
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641812	4	Bolt 1/2 x 1-1/2	
4	3311405	1	Nut 1/4	
5	3422532	1	Pin, Hitch	
6	1001225745	1	Hydrostatic Pump Assembly with Fittings (See Separate Breakdown in this Section)	
7	3790044	1	O-Ring	
8	4751400	1	Washer 1/4	
9	4891800	4	Washer 1/2	
10	1001094595	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	
11	1001153779	1	Engine Assembly With Arctic Package (See Separate Breakdown in this Section)	

FIGURE 3-8. DEUTZ D2011 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)





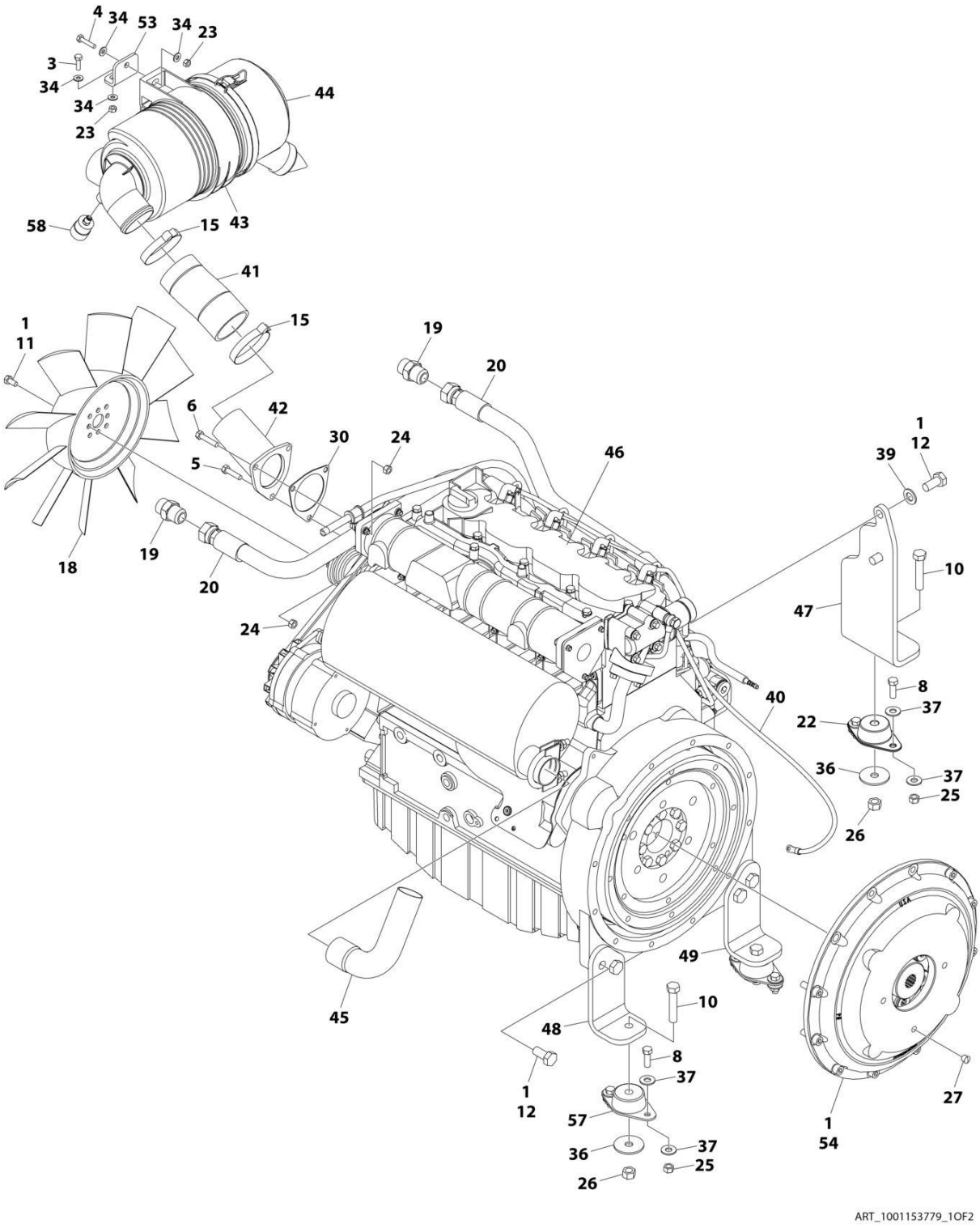
ART_1001153396_2OF2

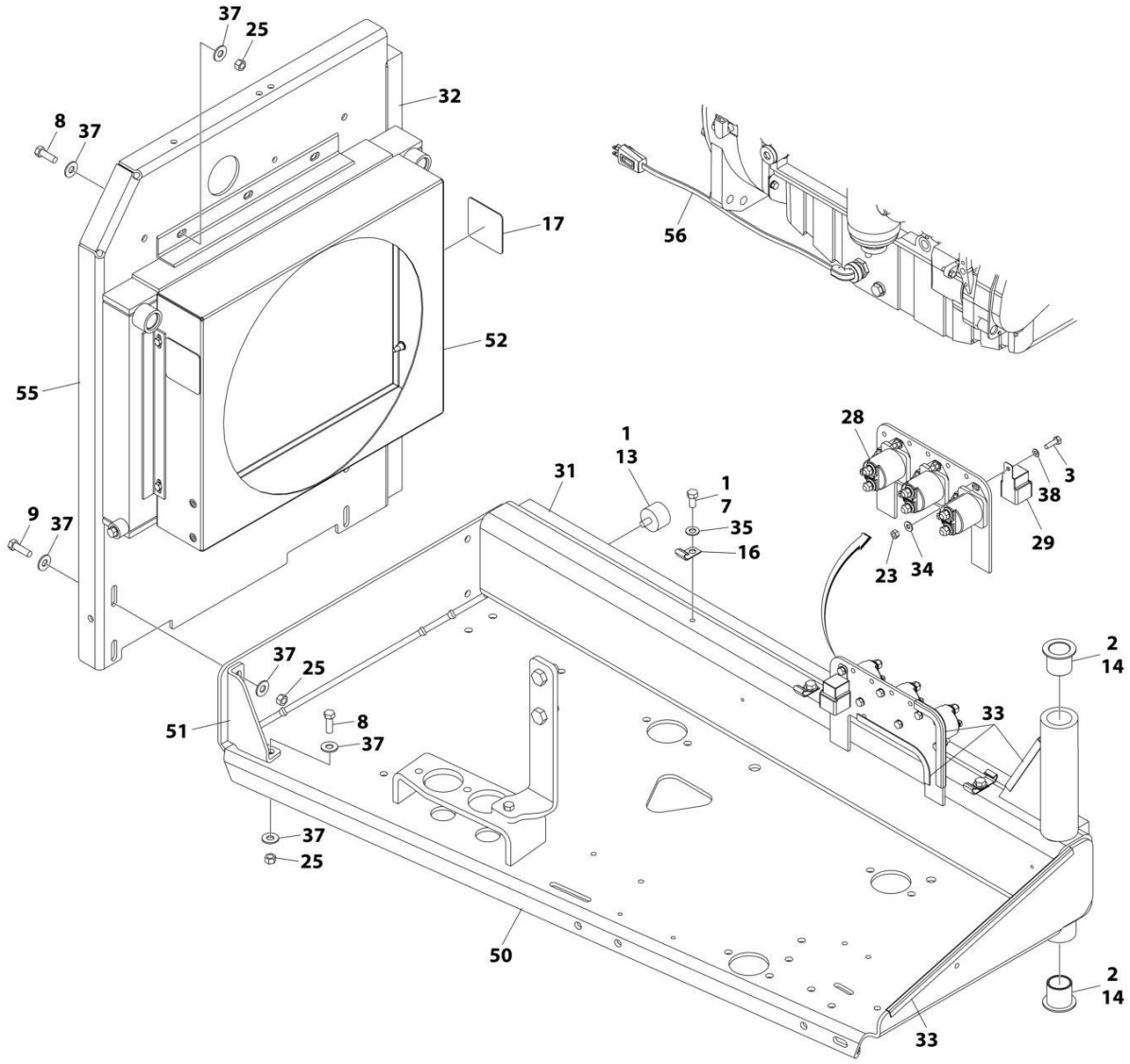
FIGURE 3-8. DEUTZ D2011 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153396	Ref	ENGINE ASSEMBLY WITHOUT ARCTIC PACKAGE	H
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	0641512	1	Bolt 5/16 x 1-1/2	
7	0641606	3	Bolt 3/8 x 3/4	
8	0641609	14	Bolt 3/8 x 1-1/8	
9	0641610	4	Bolt 3/8 x 1-1/4	
10	0641820	3	Bolt 1/2 x 2-1/2	
11	0700808	4	Bolt M8 x 16	
12	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	
22	3200406	1	Mount, Motor	
23	3311405	10	Nut 1/4	
24	3311505	3	Nut 5/16	
25	3311605	18	Nut 3/8	
26	3311805	3	Nut 1/2	
27	3520054	2	Plug	
28	3740067	3	Relay	
29	3740080	1	Relay	
30	3960407	1	Gasket, Air Intake	
31	3960468	1	Seal	
32	3960469	1	Seal	
33	4060805	37 in/1m	Flex-Trim	
34	4711400	14	Washer 1/4	
35	4711600	3	Washer 3/8	
36	4740274	3	Washer, Snubbing	
37	4751600	36	Washer 3/8	
38	4791400	6	Washer, Star 1/4	
39	4812200	2	Washer M14	
40	4923379	1	Harness, Glow Plug	
41	1001001939	1	Hose, Flex	
42	1001146273	1	Adapter, Air Intake	
43	1001147812	1	Clamp	
44	1001147813	1	Air Cleaner Assembly Filter Element	
44	70004020	1	Element, Filter (Not Shown)	
45	1001147820	1	Pipe, Exhaust	
46	1001147823	1	Engine, Deutz D2011 (See Separate Breakdown in this section)	
47	1001149704	1	Support, Engine	
48	1001149705	1	Support, Engine	
49	1001149706	1	Support, Engine	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001149793	1	Tray, Engine	
51	1001150915	1	Gusset	
52	1001150998	1	Radiator	
53	1001152459	1	Plate, Air Cleaner Mounting	
54	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this section)	
55	1001153414	1	Plate, Radiator Mounting	
56	3200401	2	Mount, Motor	
57	1001143390	1	Indicator	

FIGURE 3-9. DEUTZ D2011 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)





ART_1001153779_2OF2

FIGURE 3-9. DEUTZ D2011 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153779	Ref	ENGINE ASSEMBLY WITH ARCTIC PACKAGE	H
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	0641512	1	Bolt 5/16 x 1-1/2	
7	0641606	3	Bolt 3/8 x 3/4	
8	0641609	14	Bolt 3/8 x 1-1/8	
9	0641610	4	Bolt 3/8 x 1-1/4	
10	0641820	3	Bolt 1/2 x 2-1/2	
11	0700808	4	Bolt M8 x 16	
12	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	
22	3200406	1	Mount, Motor	
23	3311405	10	Nut 1/4	
24	3311505	3	Nut 5/16	
25	3311605	18	Nut 3/8	
26	3311805	3	Nut 1/2	
27	3520054	2	Plug	
28	3740067	3	Relay	
29	3740080	1	Relay	
30	3960407	1	Gasket, Air Intake	
31	3960468	1	Seal	
32	3960469	1	Seal	
33	4060805	37 in/1m	Flex-Trim	
34	4711400	14	Washer 1/4	
35	4711600	3	Washer 3/8	
36	4740274	3	Washer, Snubbing	
37	4751600	36	Washer 3/8	
38	4791400	6	Washer, Star 1/4	
39	4812200	2	Washer M14	
40	4923379	1	Harness, Glow Plug	
41	1001001939	1	Hose, Flex	
42	1001146273	1	Adapter, Air Intake	
43	1001147812	1	Clamp	
44	1001147813	1	Air Cleaner Assembly Filter Element	
44	70004020	1	Element, Filter (Not Shown)	
45	1001147820	1	Pipe, Exhaust	
46	1001147823	1	Engine, Deutz D2011 (See Separate Breakdown in this Section)	
47	1001149704	1	Support, Engine	
48	1001149705	1	Support, Engine	
49	1001149706	1	Support, Engine	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001149793	1	Tray, Engine	
51	1001150915	1	Gusset	
52	1001150998	1	Radiator	
53	1001152459	1	Plate, Air Cleaner Mounting	
54	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
55	1001153414	1	Plate, Radiator Mounting	
56	2580062	1	Heater, Block	
57	3200401	2	Mount, Motor	
58	1001143390	1	Indicator	

FIGURE 3-10. DEUTZ D2011 ENGINE COMPONENTS

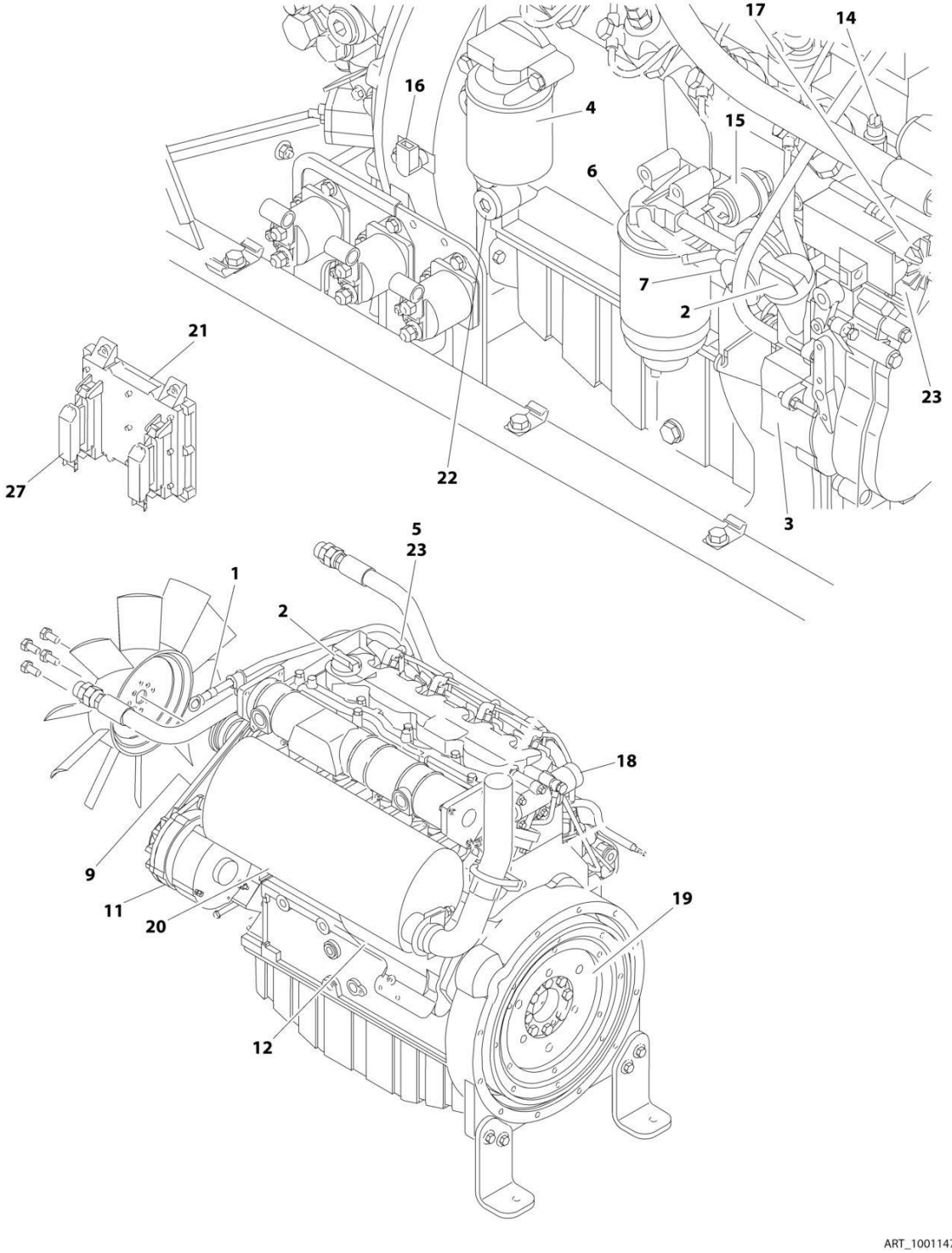


FIGURE 3-10. DEUTZ D2011 ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001147823	Ref	ENGINE COMPONENTS	C
1	70004287	1	Dipstick	
1	70000044	1	Seal, Dipstick	
1	70001002	1	Tube, Dipstick	
1	7020403	1	Seal, Dipstick Tube	
2	7020465	2	Cap, Filler	
3	70001850	1	Pump, Oil Lube	
3	7020468	1	Seal Between Oil Pump and Engine Block (Not Shown)	
4	7016331	1	Filter, Oil	
4	70003472	1	Bracket, Oil Filter	
4	7027236	1	Sender, Temperature	
4	70025082	1	Ring, Sealing	
5	70000912	4	Series A Injector	
5	70000913	4	Series B Injector	
5	70000914	4	Series C Injector	
5	70000915	4	Series D Injector	
5	70003464	4	Seal/Gasket, Pump (1 Per Injector)	
5	70003478	4	Injector, Fuel	
5	70003136	4	Seal/Gasket, Pump (1 Per Injector)	
6	7016328	1	Filter, Fuel	
6	70003465	1	Sensor	
6	70003466	1	Seal, Sensor	
7	70000916	1	Pump, Fuel Supply	
7	70001435	1	Repair Kit for Fuel Supply Pump	
7	70000919	1	Hand Pump for Fuel Supply Pump	
7	70000917	1	O - Seal Between Fuel Pump and Engine Block	
7	70000918	1	O - Seal Between Fuel Pump and Hand Pump	
8	70001871	4	Gasket, Intake Manifold	
9	7020408	1	V-Belt	
10		Ref	Exhaust Manifold Components (Not Shown)	
10	70001835	1	Gasket, Exhaust Adapter to Exhaust Rail	
10	70001841	1	Valve, Exhaust (Fits into Exhaust Adapter)	
10	70001836	1	Gasket, Exhaust Rail to Cylinder Head	
10	70001837	1	Gasket, Exhaust Manifold to Muffler	
10	70002200	4	Stud, Mounting	
10	See Note	AR	Nut, Exhaust Manifold	
11	70004056	1	Alternator	
11	70001868	1	Regulator, Voltage (Not Shown)	
11	70001866	1	Seal, Gasket for Voltage Regulator (Not Shown)	
11	70002234	1	Bar, Alternator Adjustment	
12	7020479	1	Starter	
12	70004058	1	Relay	
13	70004060	2	Plug-In Connector	
14	7027791	1	Transmitter, Temperature	
15	7027790	1	Sensor, Oil Pressure	
16	70004272	1	Sensor, Speed	
17	7027792	1	Throttle Actuator	
17	7027276	2	Spring	
18	70003475	1	Thermostat (Located at rear of engine block - Not Shown)	
19	70001870	1	Flywheel with Ring Gear	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	7024579	1	Gear, Ring 110 Tooth	
20	7000695	1	Muffler	
20	70001844	1	U-Ciamp	
20	7020471	4	Gasket	
21	7027795	1	Module, Control	
22	70001181	1	Valve, Pressure Control	
22	70124410	1	Spring	
22	70025082	1	Seal	
22	70124440	1	Screw, Locking	
23	70000345	4	Plug, Glow	
24	70000800	1	Camshaft Pulley Repair Kit (Not Shown	
26	70002415	1	Gasket, Head with 1 Notch (Not Shown)	
62	70002416	1	Gasket, Head with 2 Notch (Not Shown)	
26	70002417	1	Gasket, Head with 3 Notch (Not Shown)	
27	7027796	1	Harness, Engine (Connects to Item 421)	
27	70001872	1	Harness, Engine (Connects to p/n 7027796)	
28		Ref	Gaskets and Seals - Miscellaneous (Not Shown)	
28	70004289	1	Gasket Set	
28	70002718	1	Seal, Rear Main	
28	70004280	1	Seal, Front Main	
29	70025752	1	Valve, Pressure Relief (Not Shown - Located at Engine Front Left)	
29	70025753	1	Spring	
29	70005916	1	Seal	
29	70005917	1	Plug, Locking	

FIGURE 3-11. DEUTZ TD2.9L4 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

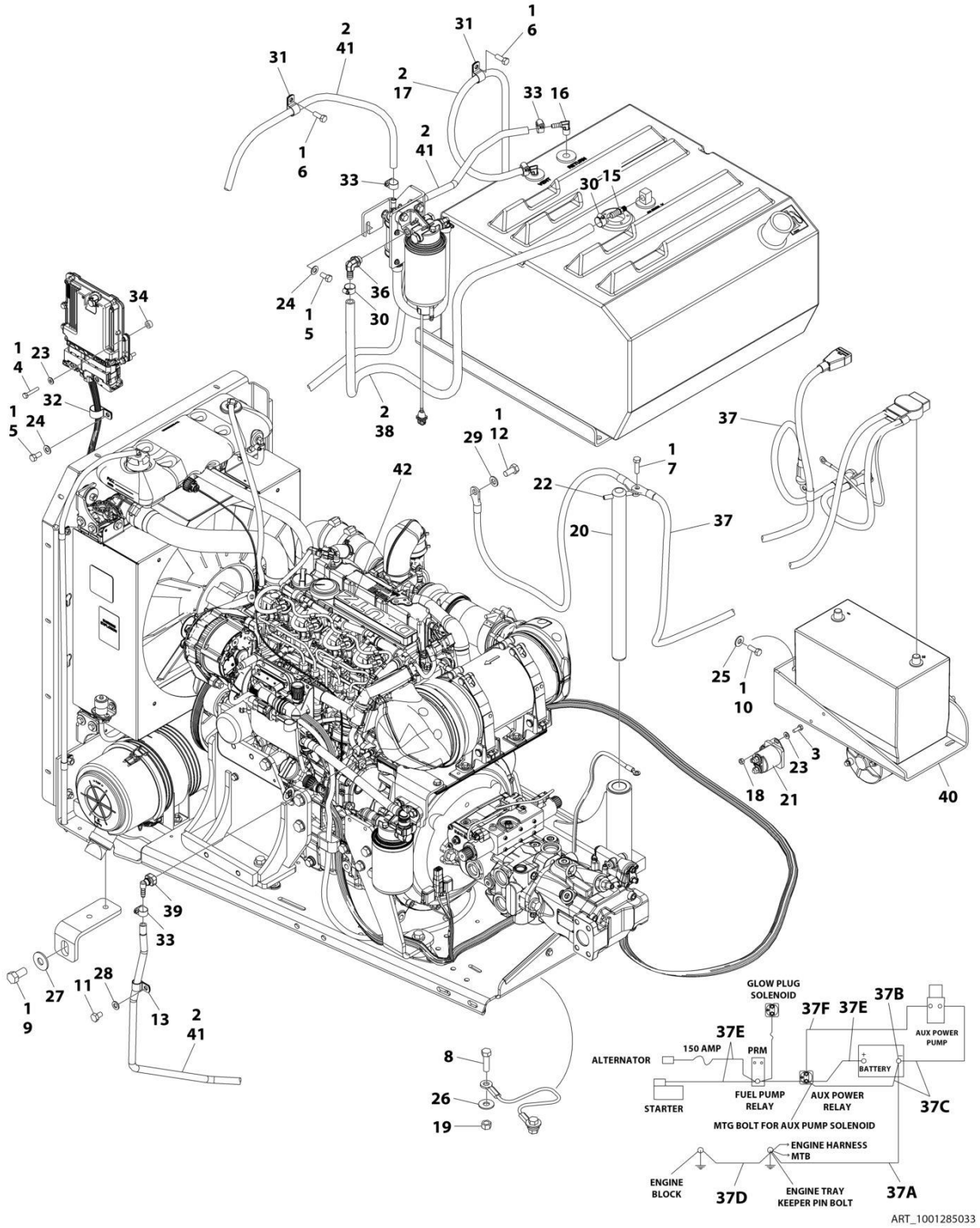


FIGURE 3-11. DEUTZ TD2.9L4 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285033	Ref	DEUTZ TD2.9L4 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641406	2	Bolt 1/4 x 3/4	
4	0641412	4	Bolt 1/4 x 1-1/2	
5	0641606	3	Screw 3/8 x 3/4	
6	0641608	2	Screw 3/8 x 1	
7	0641610	1	Screw 3/8 x 1-1/4	
8	0641814	1	Bolt 1/2 x 1-3/4	
9	0642010	1	Bolt 5/8 x 1-1/4	
10	0681608	3	Screw 3/8 x 1 Grade 8	
11	0761008	1	Bolt M10 x 16	
12	0771212	1	Bolt M12 x 25 Grade 10.9	
13	1320061	1	Clamp	
14	1701505	1	Decal - Diesel Fuel (Not Shown Located on Fuel Tank or Hood)	
15	2180832	1	Fitting, Elbow Barbed	
16	2220313	2	Fitting, Elbow	
17	2750532	AR	Hose	
18	3311405	2	Nut 1/4	
19	3311805	1	Nut 1/2	
20	3422446	1	Pin, Pivot	
21	3740067	1	Relay	
22	3841143	1	Pin, Keeper	
23	4711400	7	Washer 1/4	
24	4711600	3	Washer 3/8	
25	4751600	3	Washer 3/8	
26	4751800	1	Washer 1/2	
27	4752000	1	Washer 5/8	
28	4812000	1	Washer M10	
29	4812100	1	Washer M12	
30	8405006	2	Clamp	
31	8406102	2	Clip	
32	8406201	1	Clip	
33	8410013	5	Clamp	
34	1001110425	4	Spacer	
35	1001138491	1	Fuel Pump Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
36	1001142501	1	Fitting, Elbow Barbed	
37	1001143736	1	Battery Cable Kit	F
37A	7027084	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
37B	8270147	1	Terminal, Battery (With Boot)	
37C	7027085	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
37D	7027086	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
37E	7027087	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
37F	7027088	1	Cable (Red) (Aux Relay to Aux Pump)	
38	1001154405	AR	Hose	
39	1001155823	1	Fitting, Quick Disconnect Elbow	
40	1001162497	1	Bracket, Battery	
41	1001165035	27.5 ft/ 8.38m	Hose	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001285032	1	Engine and Pump Assembly without Arctic Package (See Separate Breakdown in this Section)	

FIGURE 3-12. DEUTZ TD2.9L4 ENGINE INSTALLATION - (WITH ARCTIC PACKAGE) (WITH 25 GAL CAPACITY HYDRAULIC TANK)

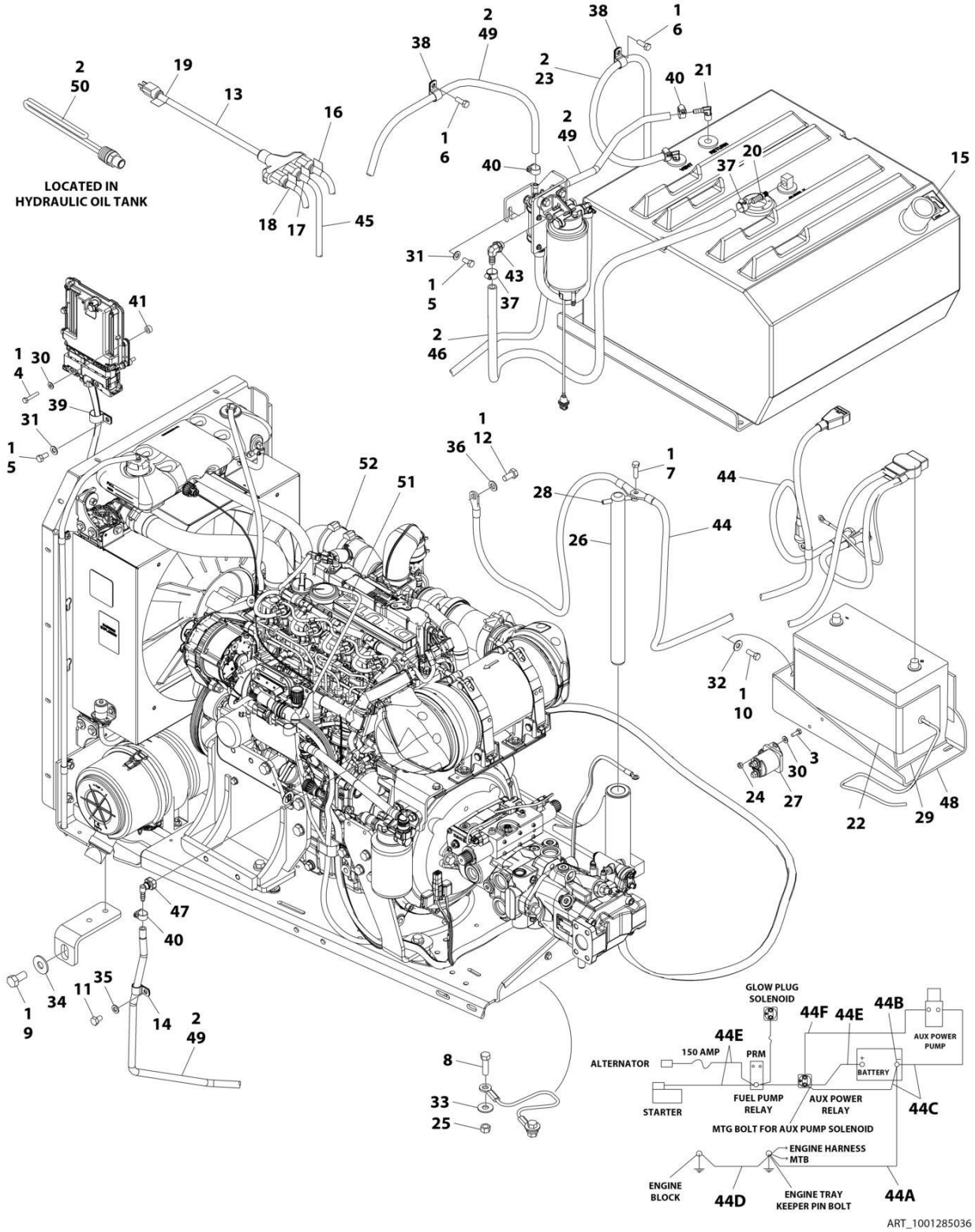


FIGURE 3-12. DEUTZ TD2.9L4 ENGINE INSTALLATION - (WITH ARCTIC PACKAGE) (WITH 25 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285036	1-Ref	DEUTZ TD2.9L4 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641406	2	Bolt 1/4 x 3/4	
4	0641412	4	Bolt 1/4 x 1-1/2	
5	0641606	3	Screw 3/8 x 3/4	
6	0641608	2	Screw 3/8 x 1	
7	0641610	1	Screw 3/8 x 1-1/4	
8	0641814	1	Bolt 1/2 x 1-3/4	
9	0642010	1	Bolt 5/8 x 1-1/4	
10	0681608	3	Screw 3/8 x 1 Grade 8	
11	0761008	1	Bolt M10 x 16	
12	0771212	1	Bolt M12 x 25 Grade 10.9	
13	1060626	1	Cord, 3 Way Extension	
14	1320061	1	Clamp	
15	1701505	1	Decal - Diesel Fuel	
16	1702941	1	Decal - Battery Heater	
17	1702942	1	Decal - Engine Block Heater	
18	1702943	1	Decal - Hydraulic Tank Heater	
19	1702944	1	Decal - Heater Cord	
20	2180832	1	Fitting, Elbow Barbed	
21	2220313	2	Fitting, Elbow	
22	2580024	1	Heater, Battery	
23	2750532	AR	Hose	
24	3311405	2	Nut 1/4	
25	3311805	1	Nut 1/2	
26	3422446	1	Pin, Pivot	
27	3740067	1	Relay	
28	3841143	1	Pin, Keeper	
29	3980007	1	Seat, Battery	
30	4711400	7	Washer 1/4	
31	4711600	3	Washer 3/8	
32	4751600	3	Washer 3/8	
33	4751800	1	Washer 1/2	
34	4752000	1	Washer 5/8	
35	4812000	1	Washer M10	
36	4812100	1	Washer M12	
37	8405006	2	Clamp	
38	8406102	2	Clip	
39	8406201	1	Clip	
40	8410013	5	Clamp	
41	1001110425	4	Spacer	
42	1001138491	1	Fuel Pump Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001142501	1	Fitting, Elbow Barbed	
44	1001143736	1	Battery Cable Kit	
44A	7027084	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
44B	8270147	1	Terminal, Battery (With Boot)	
44C	7027085	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44D	7027086	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
44E	7027087	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
44F	7027088	1	Cable (Red) (Aux Relay to Aux Pump)	
45	1001150918	1	Cable, Immersion Heater	
46	1001154405	AR	Hose	
47	1001155823	1	Fitting, Quick Disconnect Elbow	
48	1001162497	1	Bracket, Battery	
49	1001165035	27.5 ft/ 8.38m	Hose	
50	1001188972	1	Heater, Hydraulic Tank	
51	1001233763	1	Deutz Breather Heater Installation (with Arctic Package) (See Separate Breakdown in this Section)	
52	1001285034	1	Engine and Pump Assembly with Arctic Package (See Separate Breakdown in this Section)	

FIGURE 3-13. DEUTZ TD2.9L4 (STAGE V) ENGINE INSTALLATION

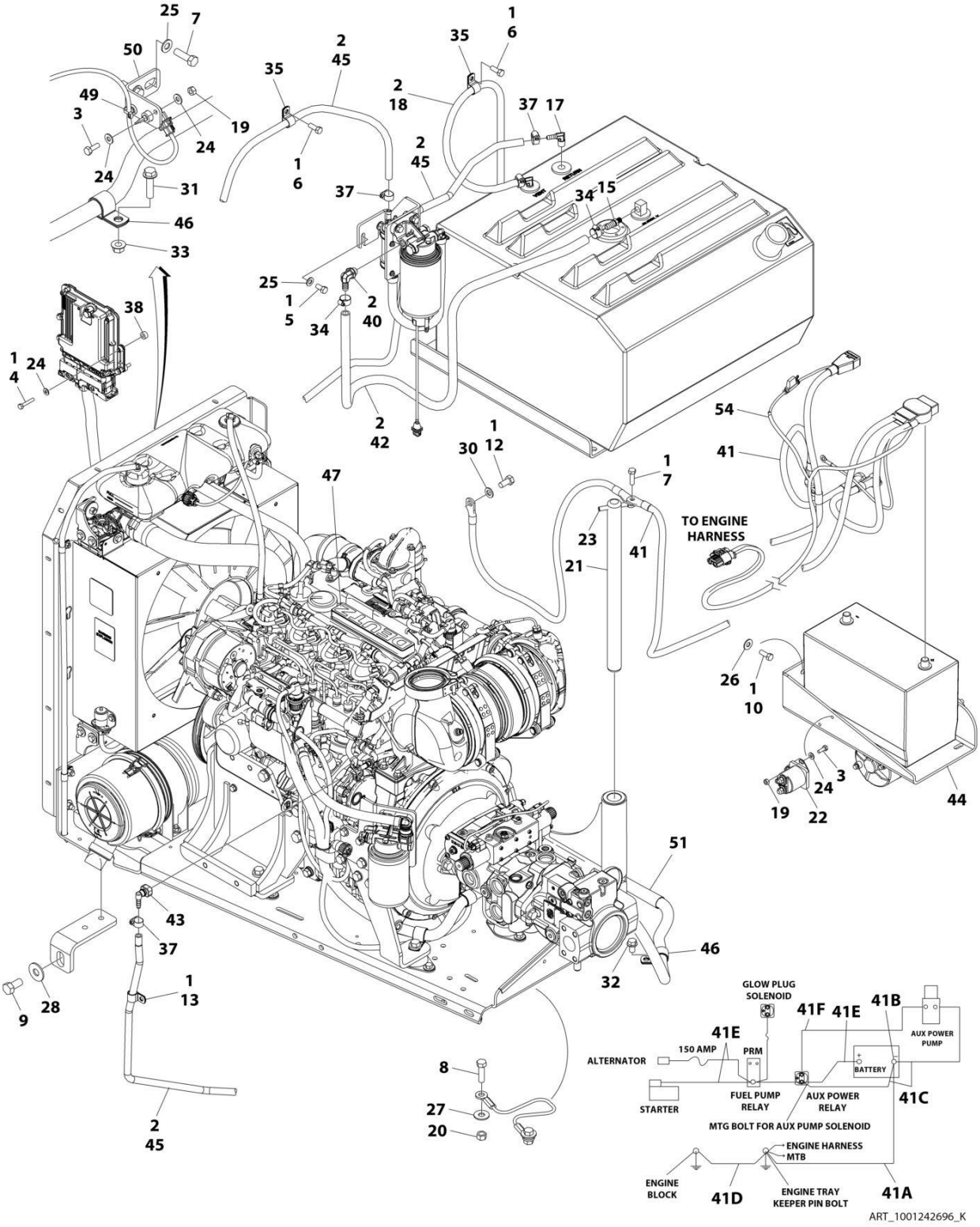


FIGURE 3-13. DEUTZ TD2.9L4 (STAGE V) ENGINE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242696	Ref	DEUTZ TD2.9L4 (STAGE V) ENGINE INSTALLATION	K
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641406	3	Bolt 1/4 x 3/4	
4	0641412	4	Bolt 1/4 x 1-1/2	
5	0641606	2	Screw 3/8 x 3/4	
6	0641608	2	Screw 3/8 x 1	
7	0641610	1	Screw 3/8 x 1-1/4	
8	0641814	1	Bolt 1/2 x 1-3/4	
9	0642010	1	Bolt 5/8 x 1-1/4	
10	0681608	3	Screw 3/8 x 1 Grade 8	
12	0771212	1	Bolt M12 x 25 Grade 10.9	
13	1320061	1	Clamp	
14	1701505	1	Decal - Diesel Fuel (Not Shown Located on Fuel Tank or Hood)	
15	2180832	1	Fitting, Elbow Barbed	
17	2220313	2	Fitting, Elbow	
18	2750532	AR	Hose	
19	3311405	3	Nut 1/4	
20	3311805	1	Nut 1/2	
21	3422446	1	Pin, Pivot	
22	3740067	1	Relay	
23	3841143	1	Pin, Keeper	
24	4711400	9	Washer 1/4	
25	4711600	4	Washer 3/8	
26	4751600	3	Washer 3/8	
27	4751800	1	Washer 1/2	
28	4752000	1	Washer 5/8	
30	4812100	1	Washer M12	
31	5251016	1	Bolt M10 x 40	
32	0811606	1	Bolt 3/8 x 3/4	
33	5261000	1	Washer M10	
34	8405006	2	Clamp	
35	8406102	2	Clip	
37	8410013	5	Clamp	
38	1001110425	4	Spacer	
39	1001138491	1	Fuel Pump Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
40	1001142501	1	Fitting, Elbow Barbed	
41	1001143736	1	Battery Cable Kit	F
41A	7027084	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
41B	8270147	1	Terminal, Battery (With Boot)	
41C	7027085	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
41D	7027086	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
41E	7027087	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
41F	7027088	1	Cable (Red) (Aux Relay to Aux Pump)	
42	1001154405	AR	Hose	
43	1001155823	1	Fitting, Quick Disconnect Elbow	
44	1001162497	1	Bracket, Battery	
45	1001165035	27.5 ft/ 8.38m	Hose	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001191620	2	Clamp	
47	1001277606	1	Engine and Pump Assembly without Arctic Package (See Separate Breakdown in this Section)	
49	1001146588	1	Strap	
50	1001256879	1	Bracket	
51	4100063	1	Sleeve, Hose Wrap	
52	1062255	AR	Tie-Strap (Not Shown)	
53	4240099	AR	Tie-Strap (Not Shown)	
54	1001289593	1	ECU Power Jumper Harness (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 3-14. DEUTZ TD2.9L4 ENGINE INSTALLATION - (WITH ARCTIC PACKAGE) (WITH 47.8 GAL CAPACITY HYDRAULIC TANK)

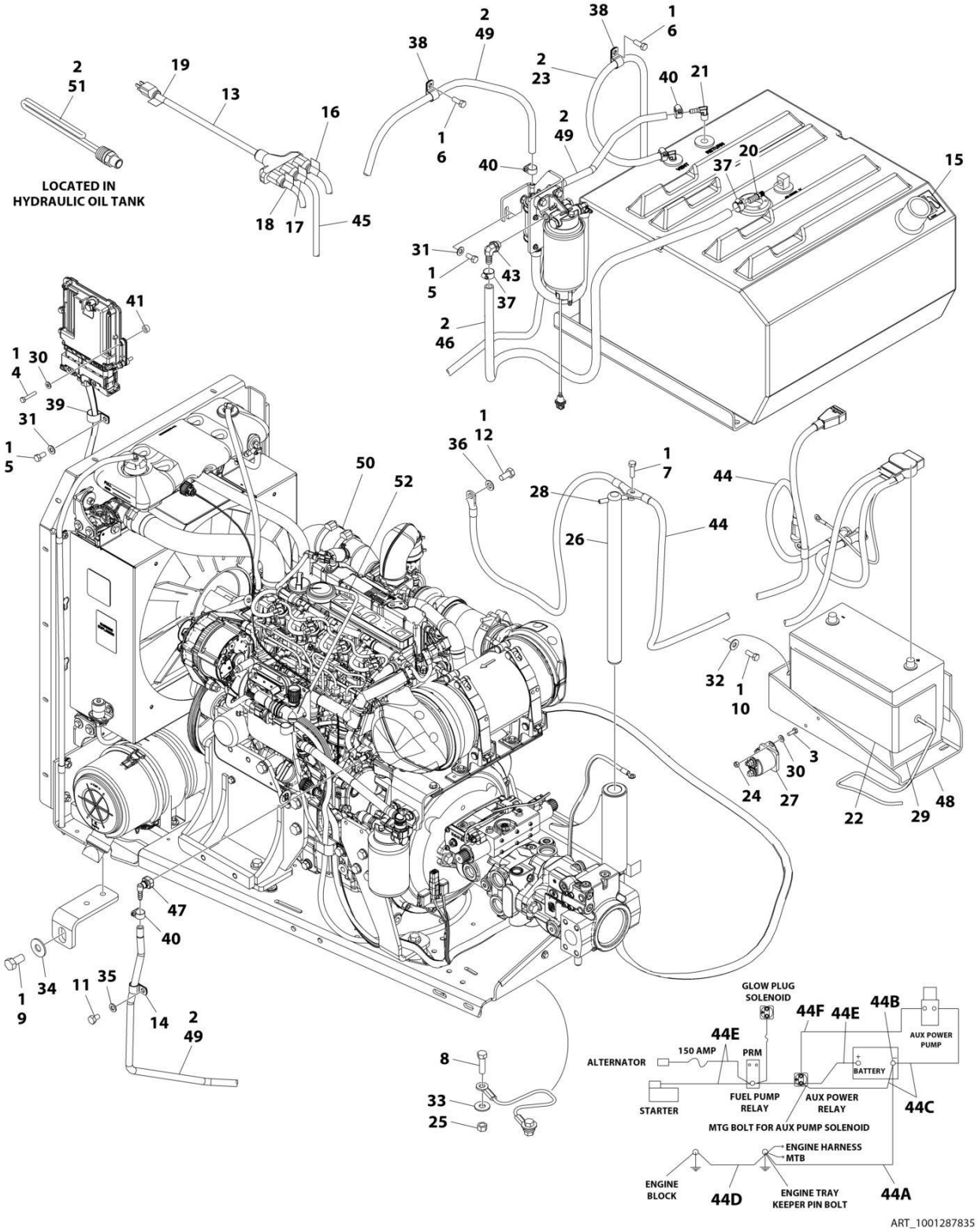


FIGURE 3-14. DEUTZ TD2.9L4 ENGINE INSTALLATION - (WITH ARCTIC PACKAGE) (WITH 47.8 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287835	Ref	DEUTZ TD2.9L4 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641406	2	Bolt 1/4 x 3/4	
4	0641412	4	Bolt 1/4 x 1-1/2	
5	0641606	3	Screw 3/8 x 3/4	
6	0641608	2	Screw 3/8 x 1	
7	0641610	1	Screw 3/8 x 1-1/4	
8	0641814	1	Bolt 1/2 x 1-3/4	
9	0642010	1	Bolt 5/8 x 1-1/4	
10	0681608	3	Screw 3/8 x 1 Grade 8	
11	0761008	1	Bolt M10 x 16	
12	0771212	1	Bolt M12 x 25 Grade 10.9	
13	1060626	1	Cord, 3 Way Extension	
14	1320061	1	Clamp	
15	1701505	1	Decal - Diesel Fuel	
16	1702941	1	Decal - Battery Heater	
17	1702942	1	Decal - Engine Block Heater	
18	1702943	1	Decal - Hydraulic Tank Heater	
19	1702944	1	Decal - Heater Cord	
20	2180832	1	Fitting, Elbow Barbed	
21	2220313	2	Fitting, Elbow	
22	2580024	1	Heater, Battery	
23	2750532	AR	Hose	
24	3311405	2	Nut 1/4	
25	3311805	1	Nut 1/2	
26	3422446	1	Pin, Pivot	
27	3740067	1	Relay	
28	3841143	1	Pin, Keeper	
29	3980007	1	Seat, Battery	
30	4711400	7	Washer 1/4	
31	4711600	3	Washer 3/8	
32	4751600	3	Washer 3/8	
33	4751800	1	Washer 1/2	
34	4752000	1	Washer 5/8	
35	4812000	1	Washer M10	
36	4812100	1	Washer M12	
37	8405006	2	Clamp	
38	8406102	2	Clip	
39	8406201	1	Clip	
40	8410013	5	Clamp	
41	1001110425	4	Spacer	
42	1001138491	1	Fuel Pump Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001142501	1	Fitting, Elbow Barbed	
44	1001143736	1	Battery Cable Kit	
44A	7027084	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
44B	8270147	1	Terminal, Battery (With Boot)	
44C	7027085	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44D	7027086	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
44E	7027087	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
44F	7027088	1	Cable (Red) (Aux Relay to Aux Pump)	
45	1001150918	1	Cable, Immersion Heater	
46	1001154405	5 ft/ 1.52m	Hose	
47	1001155823	1	Fitting, Quick Disconnect Elbow	
48	1001162497	1	Bracket, Battery	
49	1001165035	27.5 ft/ 8.38m	Hose	
50	1001185671	1	Engine and Pump Assembly with Arctic Package (See Separate Breakdown in this Section)	
51	1001188972	1	Heater, Hydraulic Tank	
52	1001233763	1	Deutz Breather Heater Installation (with Arctic Package) (See Separate Breakdown in this Section)	

FIGURE 3-15. DEUTZ TD2.9L4 ENGINE INSTALLATION (CHINA III ENGINES)

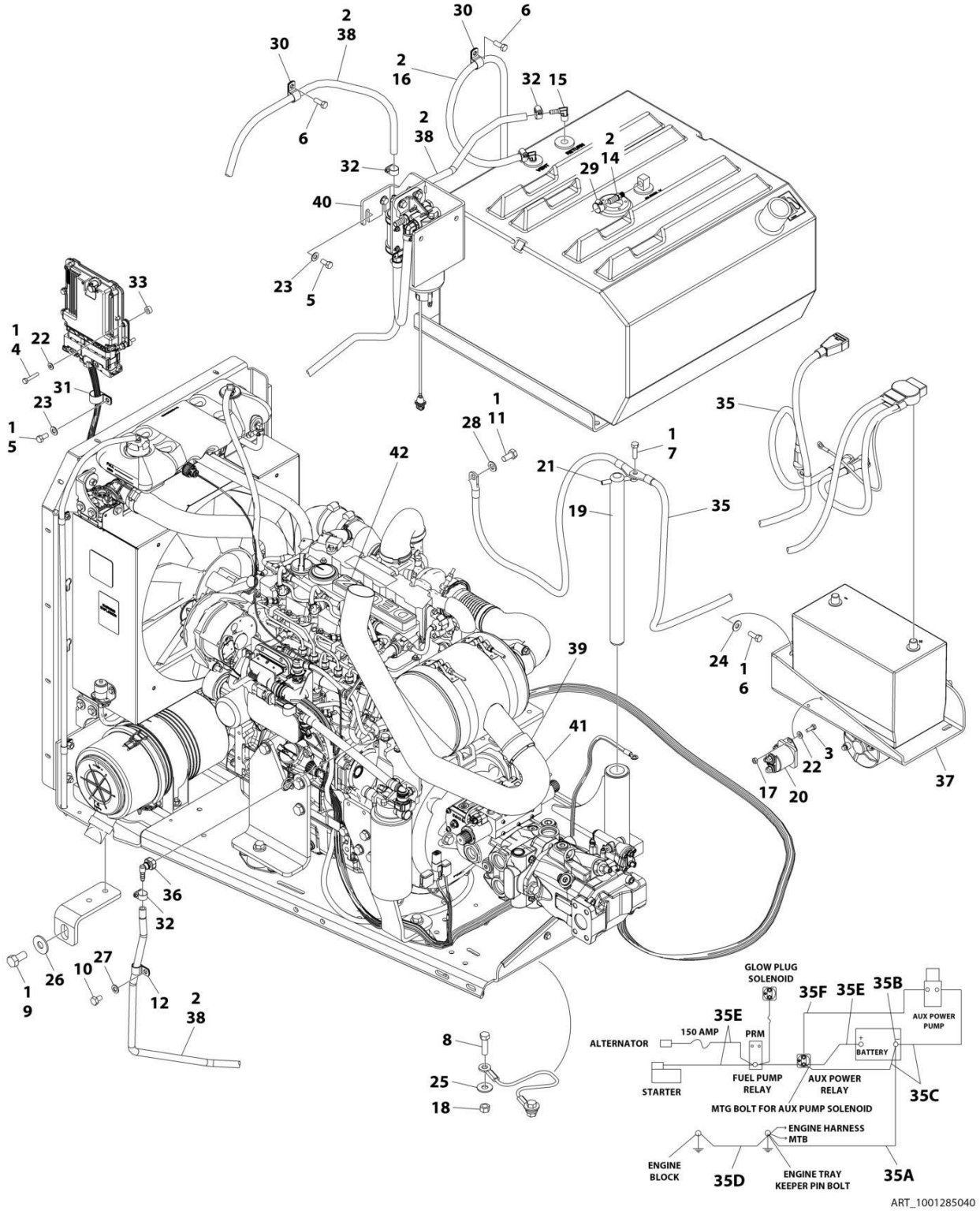


FIGURE 3-15. DEUTZ TD2.9L4 ENGINE INSTALLATION (CHINA III ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285040	Ref	DEUTZ TD2.9L4 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641406	2	Bolt 1/4 x 3/4	
4	0641412	4	Bolt 1/4 x 1-1/2	
5	0641606	3	Screw 3/8 x 3/4	
6	0641608	5	Screw 3/8 x 1	
7	0641610	1	Screw 3/8 x 1-1/4	
8	0641814	1	Bolt 1/2 x 1-3/4	
9	0642010	1	Bolt 5/8 x 1-1/4	
10	0761008	1	Bolt M10 x 16	
11	0771212	1	Bolt M12 x 25 Grade 10.9	
12	1320061	1	Clamp	
13	1701505	1	Decal - Diesel Fuel (Not Shown Located on Fuel Tank or Hood)	
14	2180832	1	Fitting, Elbow Barbed	
15	2220313	2	Fitting, Elbow	
16	2750532	AR	Hose	
17	3311405	2	Nut 1/4	
18	3311805	1	Nut 1/2	
19	3422446	1	Pin, Pivot	
20	3740067	1	Relay	
21	3841143	1	Pin, Keeper	
22	4711400	7	Washer 1/4	
23	4711600	3	Washer 3/8	
24	4751600	3	Washer 3/8	
25	4751800	1	Washer 1/2	
26	4752000	1	Washer 5/8	
27	4812000	1	Washer M10	
28	4812100	1	Washer M12	
29	8405006	1	Clamp	
30	8406102	2	Clip	
31	8406201	1	Clip	
32	8410013	5	Clamp	
33	1001110425	4	Spacer	
34	1001138491	1	Fuel Pump Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
35	1001143736	1	Battery Cable Kit	
35A	7027084	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
35B	8270147	1	Terminal, Battery (With Boot)	
35C	7027085	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
35D	7027086	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
35E	7027087	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
35F	7027088	1	Cable (Red) (Aux Relay to Aux Pump)	
36	1001155823	1	Fitting, Quick Disconnect Elbow	
37	1001162497	1	Bracket, Battery	
38	1001165035	23.6 ft/ 7.18m	Hose	
39	1001221212	1	Clamp	
40	1001227224	1	Bracket Assembly Less Filter/Pump (See Separate Breakdown in this Section)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	1001247011	1	Pipe Exhaust	
42	1001285039	1	Engine and Pump Assembly without Arctic Package (See Separate Breakdown in this Section)	

FIGURE 3-16. DEUTZ TD2.9L4 ENGINE INSTALLATION (CHINA IV ENGINES)

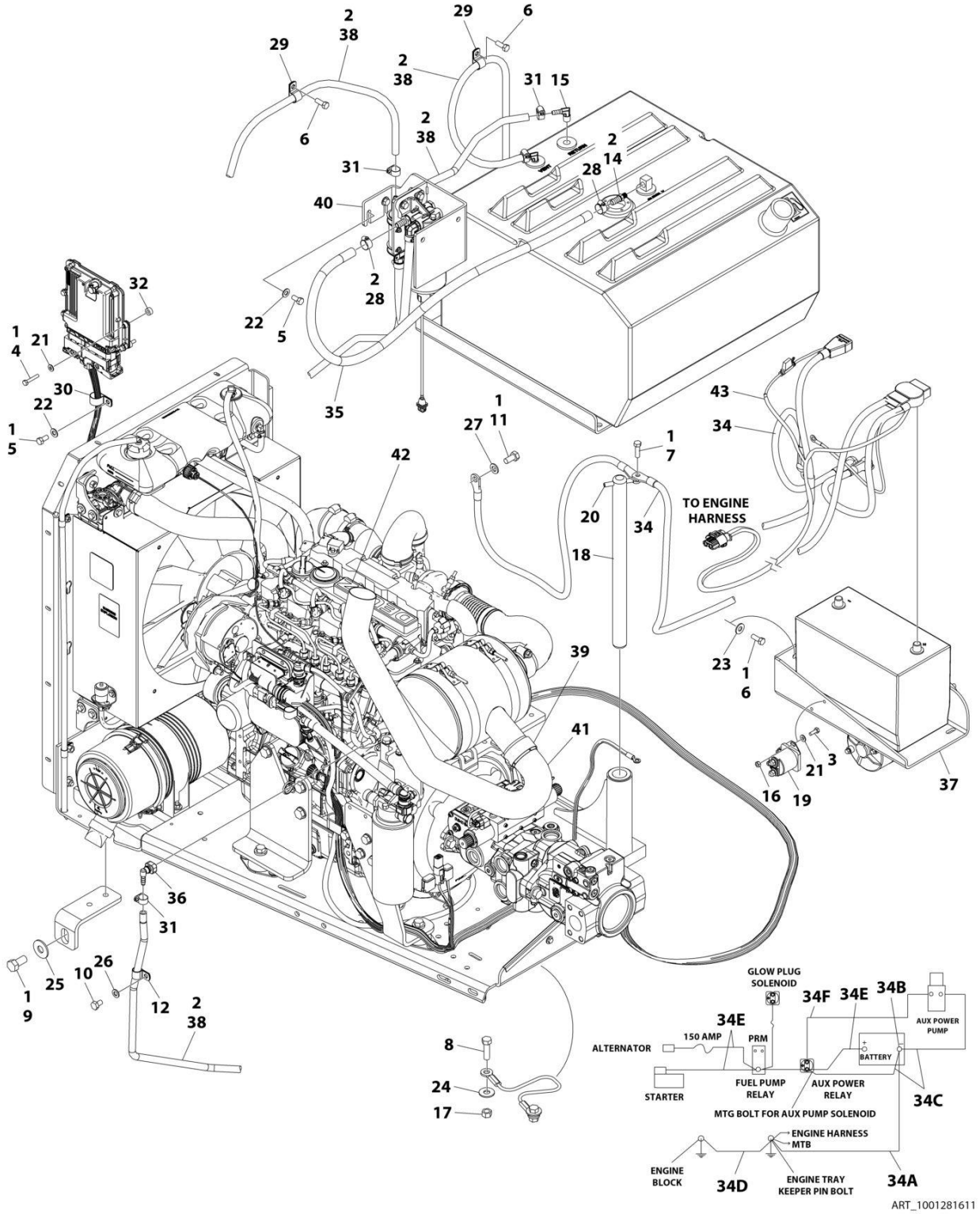


FIGURE 3-16. DEUTZ TD2.9L4 ENGINE INSTALLATION (CHINA IV ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281611	Ref	DEUTZ TD2.9L4 ENGINE INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641406	2	Bolt 1/4 x 3/4	
4	0641412	4	Bolt 1/4 x 1-1/2	
5	0641606	3	Screw 3/8 x 3/4	
6	0641608	5	Screw 3/8 x 1	
7	0641610	1	Screw 3/8 x 1-1/4	
8	0641814	1	Bolt 1/2 x 1-3/4	
9	0642010	1	Bolt 5/8 x 1-1/4	
10	0761008	1	Bolt M10 x 16	
11	0771212	1	Bolt M12 x 25 Grade 10.9	
12	1320061	1	Clamp	
13	1701505	1	Decal - Diesel Fuel (Not Shown Located on Fuel Tank or Hood)	
14	2180832	1	Fitting, Elbow Barbed	
15	2220313	2	Fitting, Elbow	
16	3311405	2	Nut 1/4	
17	3311805	1	Nut 1/2	
18	3422446	1	Pin, Pivot	
19	3740067	1	Relay	
20	3841143	1	Pin, Keeper	
21	4711400	7	Washer 1/4	
22	4711600	3	Washer 3/8	
23	4751600	3	Washer 3/8	
24	4751800	1	Washer 1/2	
25	4752000	1	Washer 5/8	
26	4812000	1	Washer M10	
27	4812100	1	Washer M12	
28	8405006	2	Clamp	
29	8406102	2	Clip	
30	8406201	1	Clip	
31	8410013	5	Clamp	
32	1001110425	4	Spacer	
33	1001138491	1	Fuel Pump Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
34	1001143736	1	Battery Cable Kit	
34A	7027084	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
34B	8270147	1	Terminal, Battery (With Boot)	
34C	7027085	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
34D	7027086	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
34E	7027087	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
34F	7027088	1	Cable (Red) (Aux Relay to Aux Pump)	
35	1001154405	28.9 ft/ 8.82m	Hose	
36	1001155823	1	Fitting, Quick Disconnect Elbow	
37	1001162497	1	Bracket, Battery	
38	1001165035	23.6 ft/ 7.18m	Hose	
39	1001221212	1	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	1001227224	1	Bracket Assembly Less Filter/Pump (See Separate Breakdown in this Section)	
41	1001247011	1	Pipe Exhaust	
42	1001281608	1	Engine and Pump Assembly without Arctic Package (See Separate Breakdown in this Section)	
43	1001289593	1	ECU Power Jumper Harness (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 3-17. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

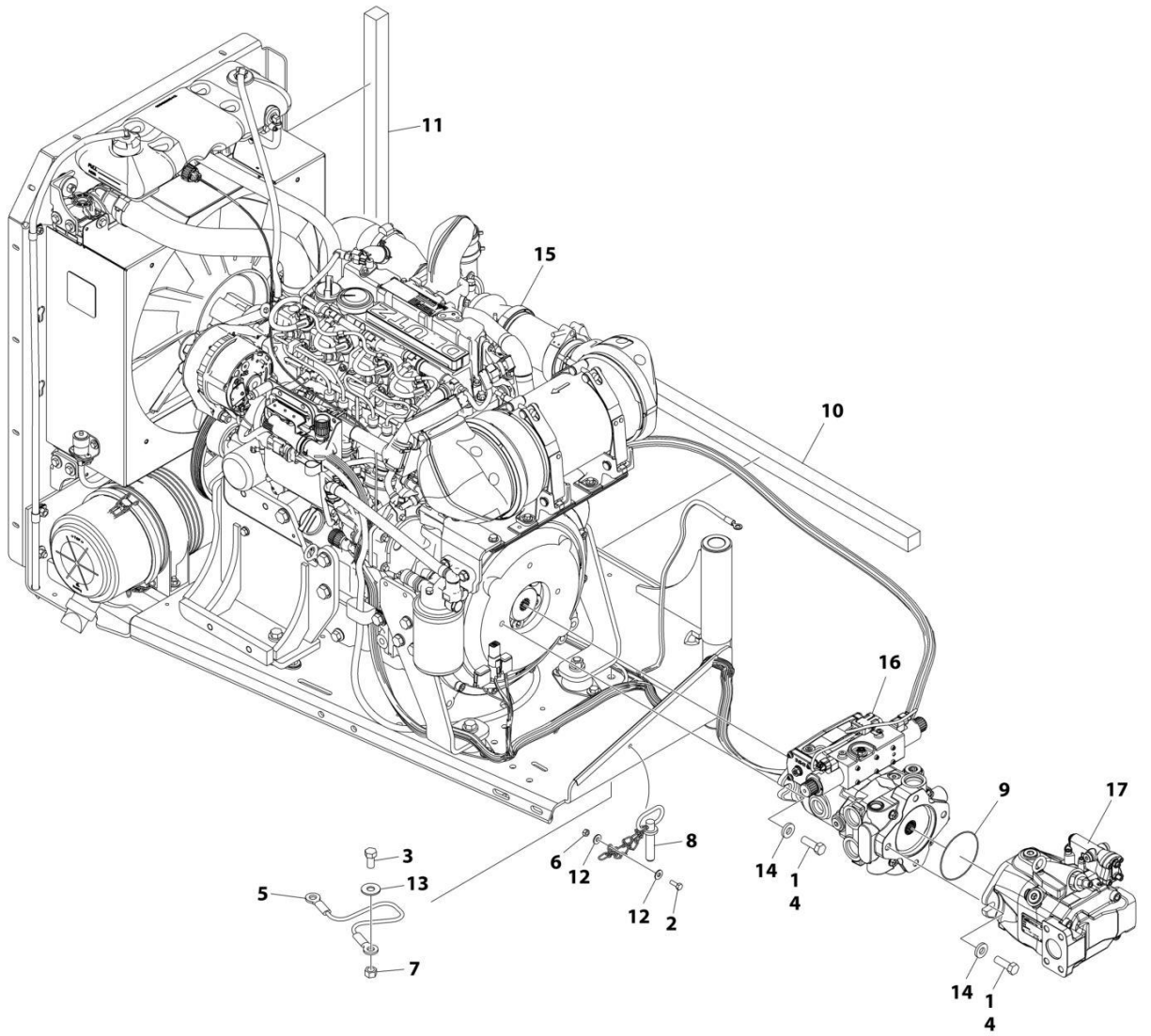


FIGURE 3-17. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285032	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)	A
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
6	3311405	1	Nut 1/4	
7	3311801	1	Nut 1/2	
8	3422532	1	Pin	
9	3790044	1	O-Ring	
10	3960468	1	Seal	
11	3960469	1	Seal	
12	4751400	2	Washer 1/4	
13	4751800	1	Washer 1/2	
14	4891800	4	Washer 1/2	
15	1001176027	1	Engine Assembly Without Arctic Package (See Separate Breakdown in this Section)	
16	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
17	1001276377	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	

FIGURE 3-18. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY - (WITH ARCTIC PACKAGE) (WITH 25 GAL CAPACITY HYDRAULIC TANK)

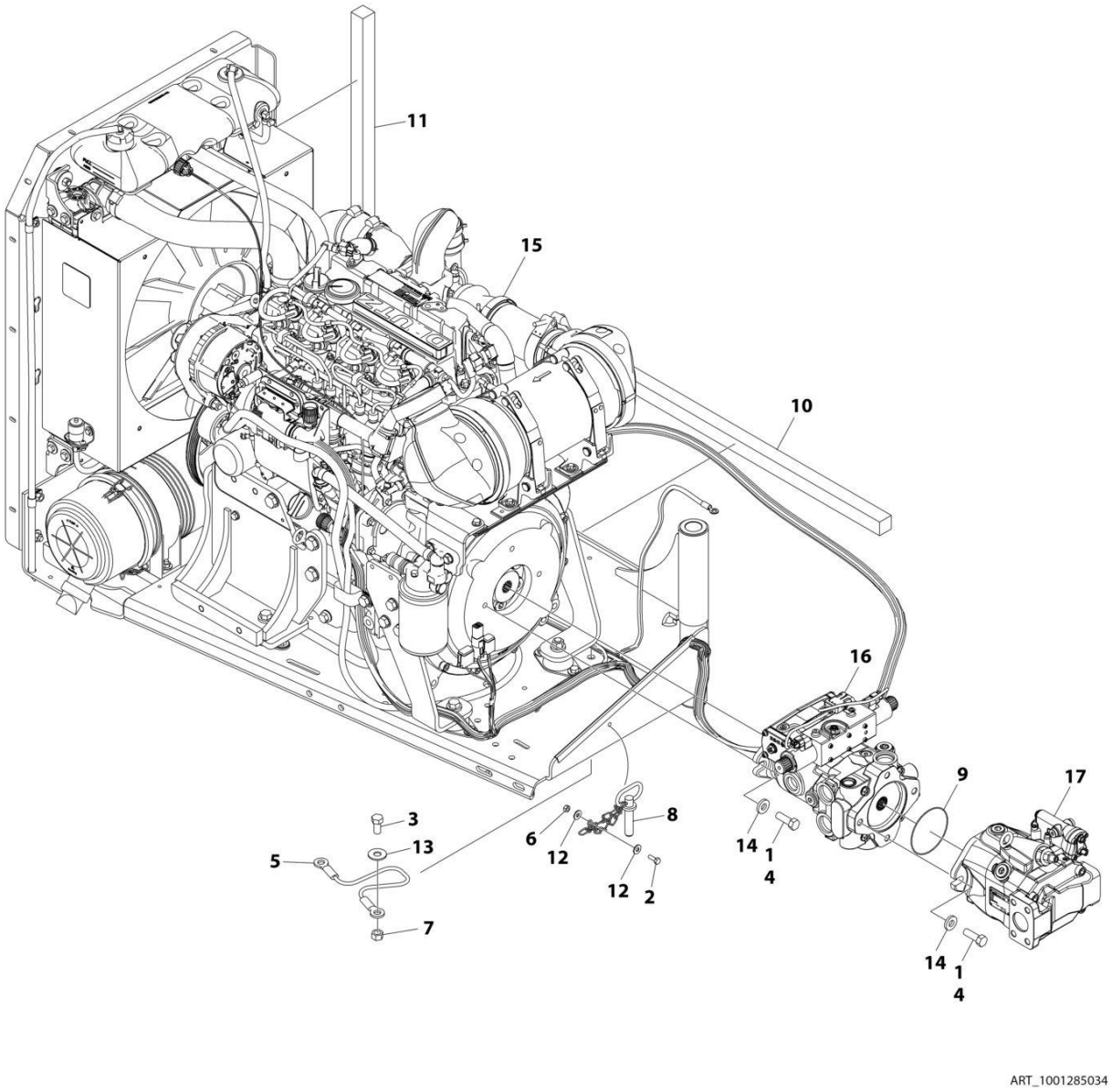


FIGURE 3-18. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY - (WITH ARCTIC PACKAGE) (WITH 25 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285034	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY HENGLI VARIABLE PUMP (WITH ARCTIC PACKAGE)	A
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Cable, Lanyard	
6	3311405	1	Nut 1/4	
7	3311801	1	Nut 1/2	
8	3422532	1	Pin, Hitch	
9	3790044	1	O-Ring	
10	3960468	1	Seal	
11	3960469	1	Seal	
12	4751400	2	Washer 1/4	
13	4751800	1	Washer 1/2	
14	4891800	4	Washer 1/2	
15	1001176035	1	Engine Assembly With Arctic Package (See Separate Breakdown in this Section)	
16	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
17	1001276377	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	

FIGURE 3-19. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY - (WITH ARCTIC PACKAGE) (WITH 47.8 GAL CAPACITY HYDRAULIC TANK)

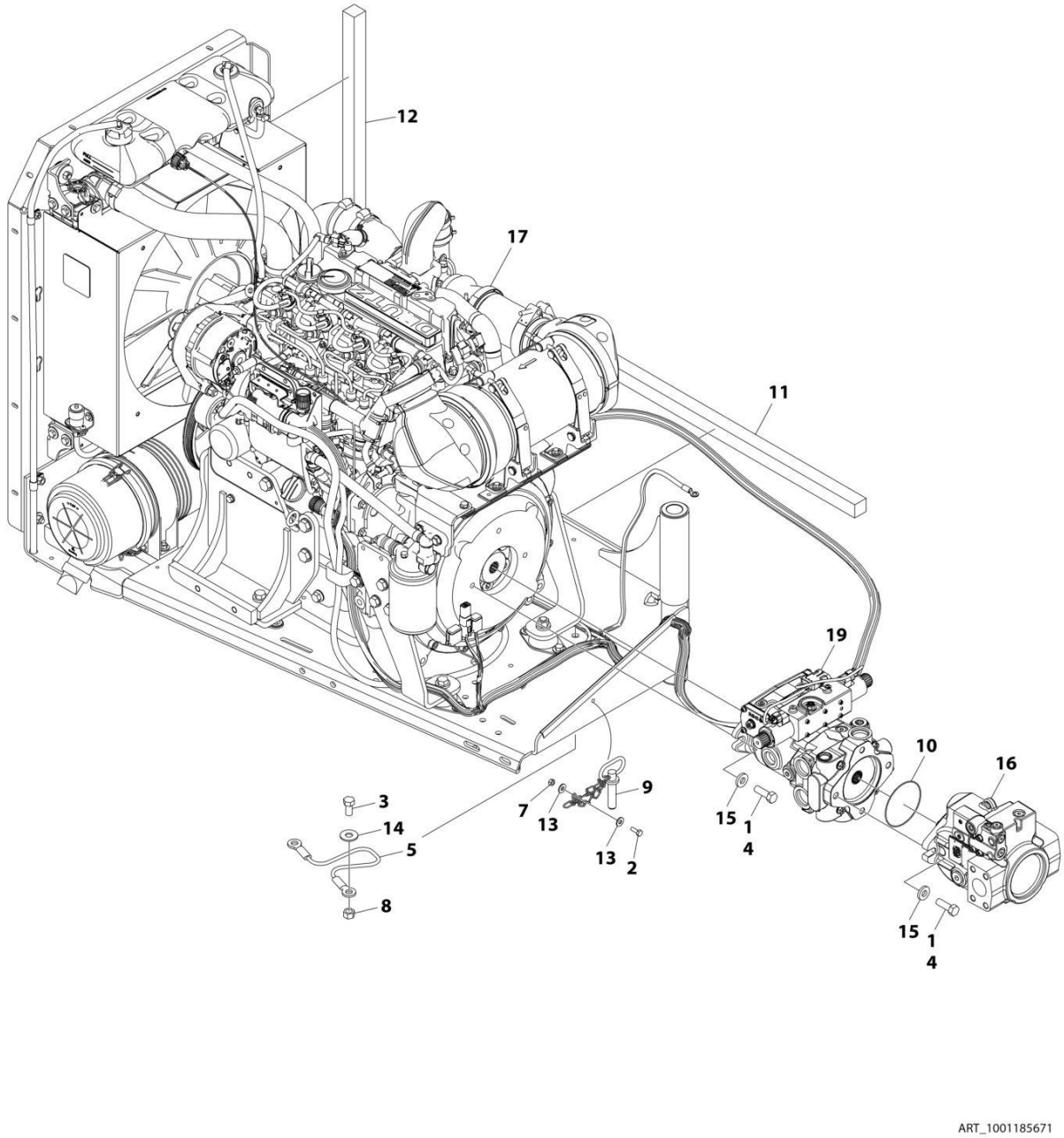


FIGURE 3-19. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY - (WITH ARCTIC PACKAGE) (WITH 47.8 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185671	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)	H
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Cable, Lanyard	
7	3311405	1	Nut 1/4	
8	3311801	1	Nut 1/2	
9	3422532	1	Pin, Hitch	
10	3790044	1	O-Ring	
11	3960468	1	Seal	
12	3960469	1	Seal	
13	4751400	2	Washer 1/4	
14	4751800	1	Washer 1/2	
15	4891800	4	Washer 1/2	
16	1001094595	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	
17	1001176035	1	Engine Assembly With Arctic Package (See Separate Breakdown in this Section)	
19	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	

FIGURE 3-20. DEUTZ TD2.9L4 (STAGE V) ENGINE AND PUMP SUB-ASSEMBLY

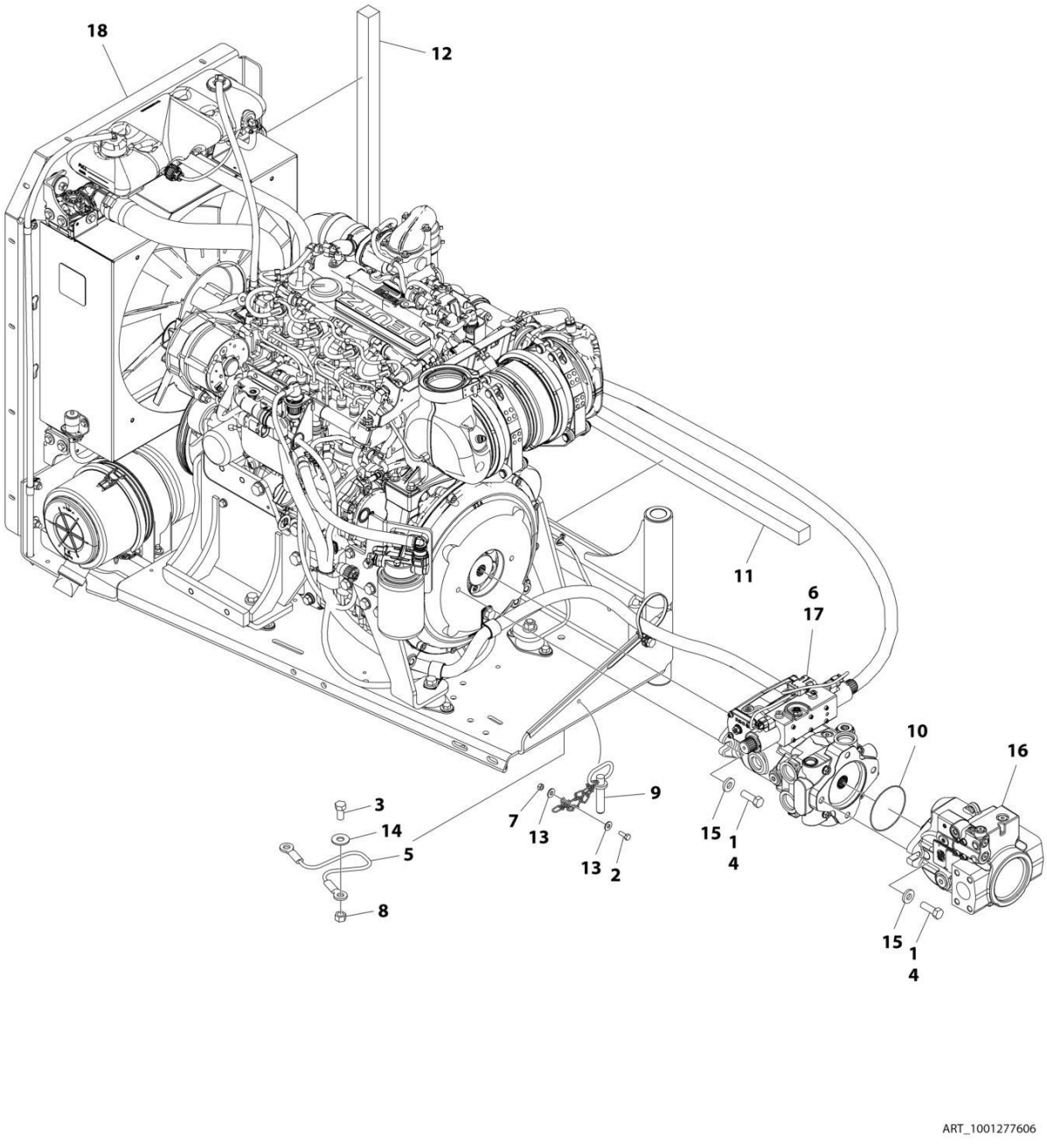


FIGURE 3-20. DEUTZ TD2.9L4 (STAGE V) ENGINE AND PUMP SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277606	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (STAGE V)	A
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
6	3020037	AR	Lubricant	
7	3311405	1	Nut 1/4	
8	3311801	1	Nut 1/2	
9	3422532	1	Pin, Hitch	
10	3790044	1	O-Ring	
11	3960468	1	Seal	
12	3960469	1	Seal	
13	4751400	2	Washer 1/4	
14	4751800	1	Washer 1/2	
15	4891800	4	Washer 1/2	
16	1001094595	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	
17	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
18	1001277598	1	Engine Assembly - DEUTZ 2.9L4 (Stage V) Engines (See Separate Breakdown in this Section)	

FIGURE 3-21. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA III ENGINES)

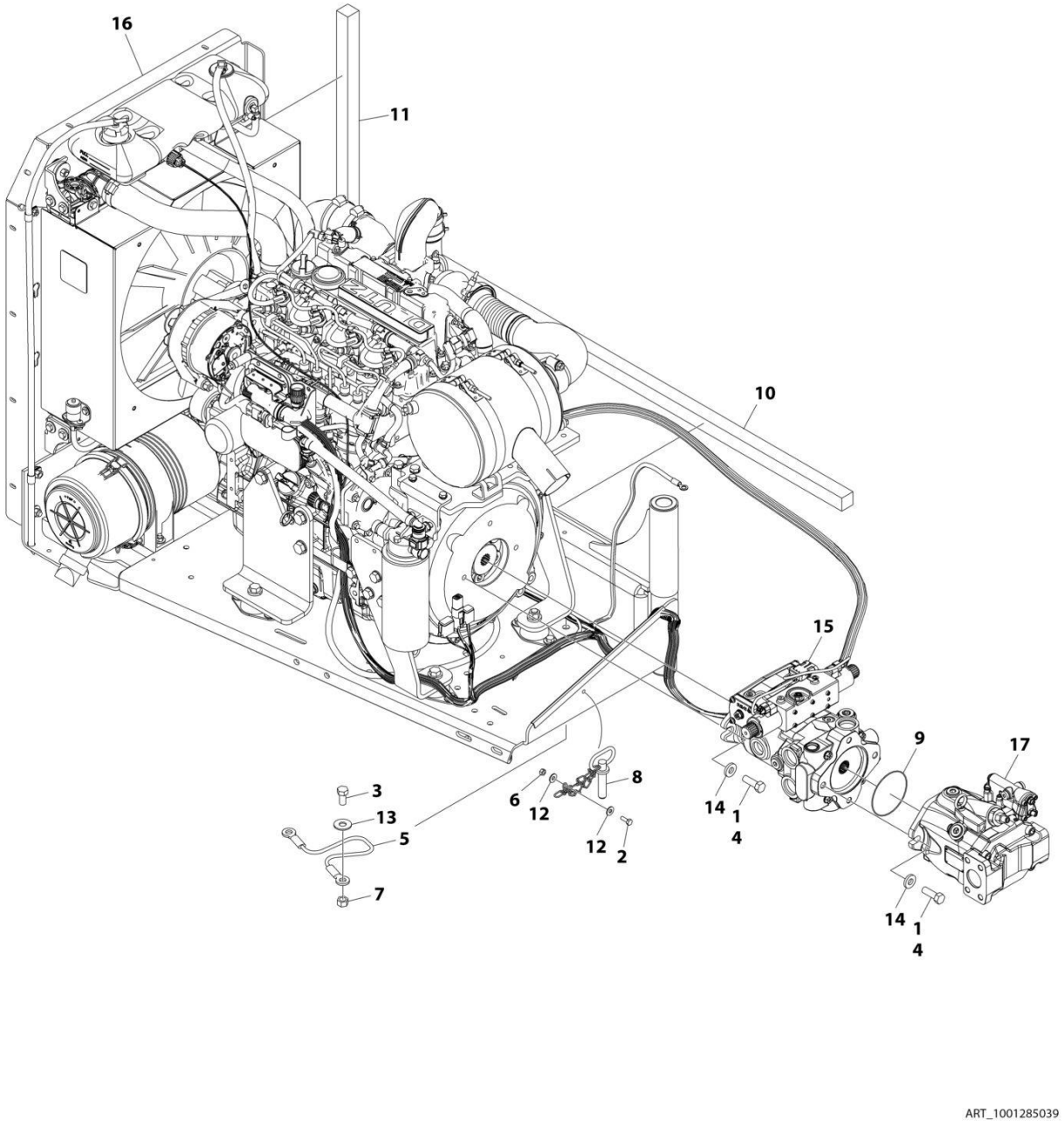


FIGURE 3-21. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA III ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285039	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
6	3311405	1	Nut 1/4	
7	3311801	1	Nut 1/2	
8	3422532	1	Pin, Hitch	
9	3790044	1	O-Ring	
10	3960468	1	Seal	
11	3960469	1	Seal	
12	4751400	2	Washer 1/4	
13	4751800	1	Washer 1/2	
14	4891800	4	Washer 1/2	
15	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
16	1001227614	1	Engine Assembly (See Separate Breakdown in this Section)	
17	1001276377	1	Variable Pump Assembly with Fittings (See Separate Breakdown Engine Assembly	

FIGURE 3-22. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA IV ENGINES)

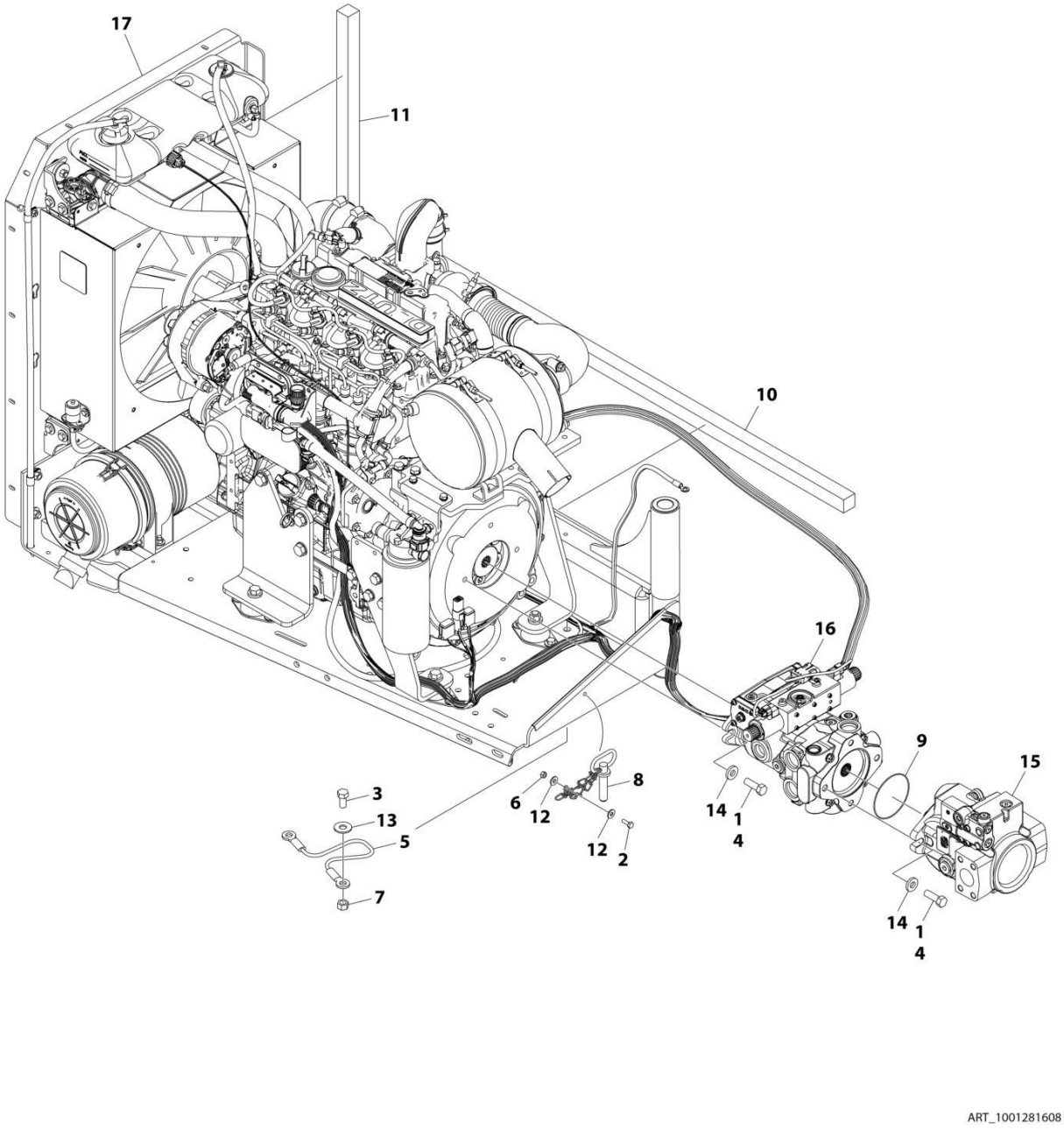
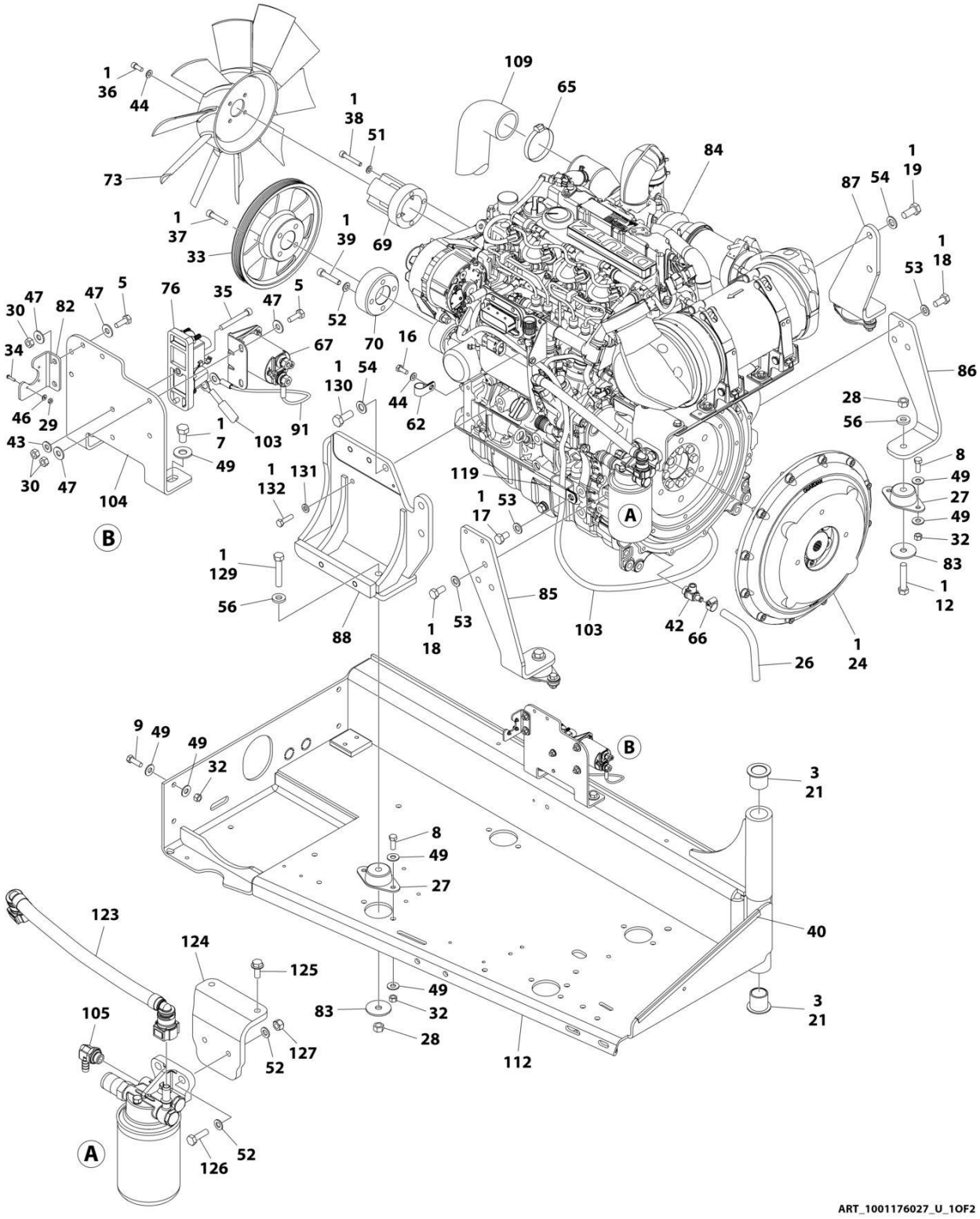


FIGURE 3-22. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA IV ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281608	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
6	3311405	1	Nut 1/4	
7	3311801	1	Nut 1/2	
8	3422532	1	Pin, Hitch	
9	3790044	1	O-Ring	
10	3960468	1	Seal	
11	3960469	1	Seal	
12	4751400	2	Washer 1/4	
13	4751800	1	Washer 1/2	
14	4891800	4	Washer 1/2	
15	1001094595	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	
16	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
17	1001281609	1	Engine Assembly (See Separate Breakdown in this Section)	

FIGURE 3-23. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)



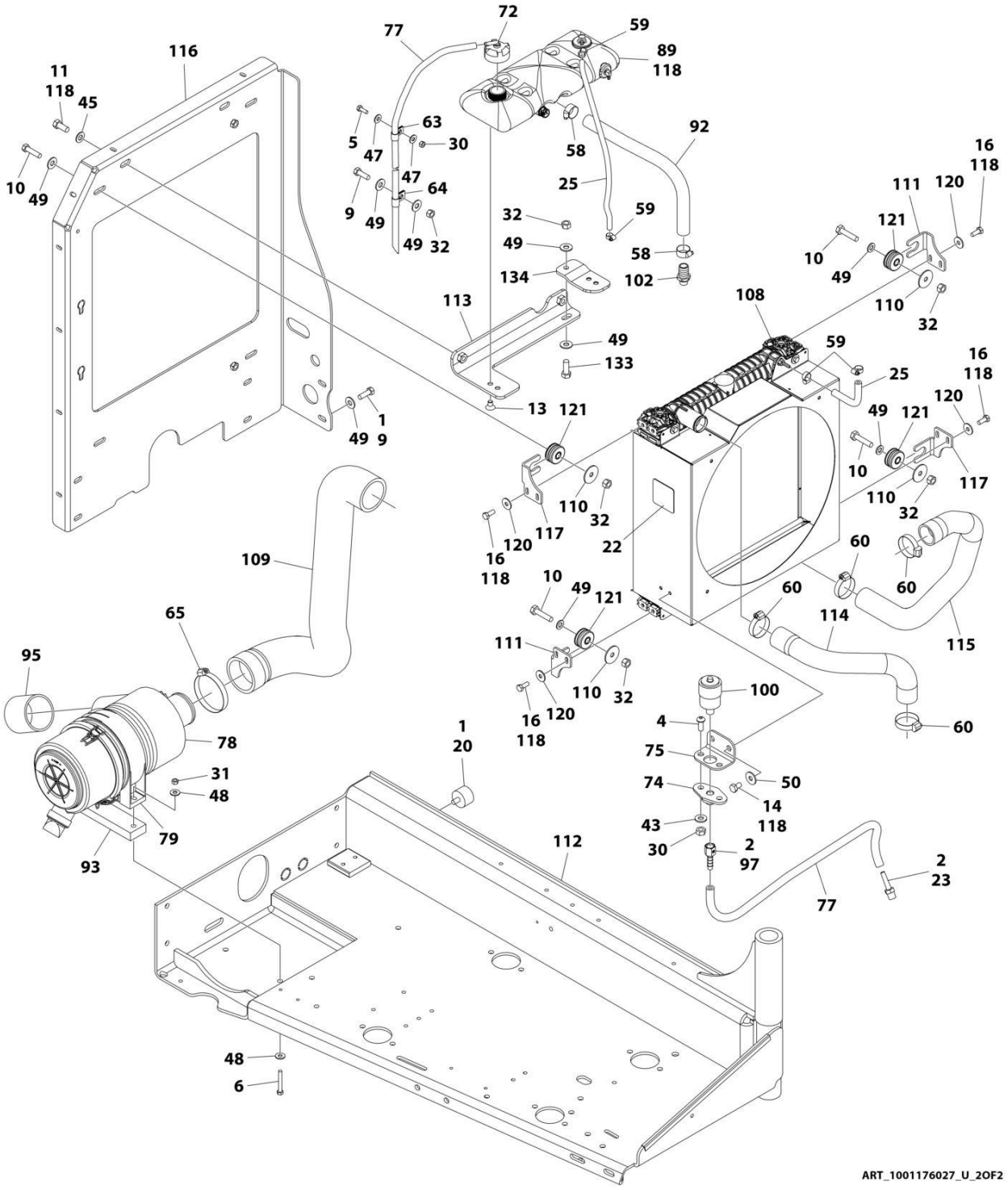

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FIGURE 3-23. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)

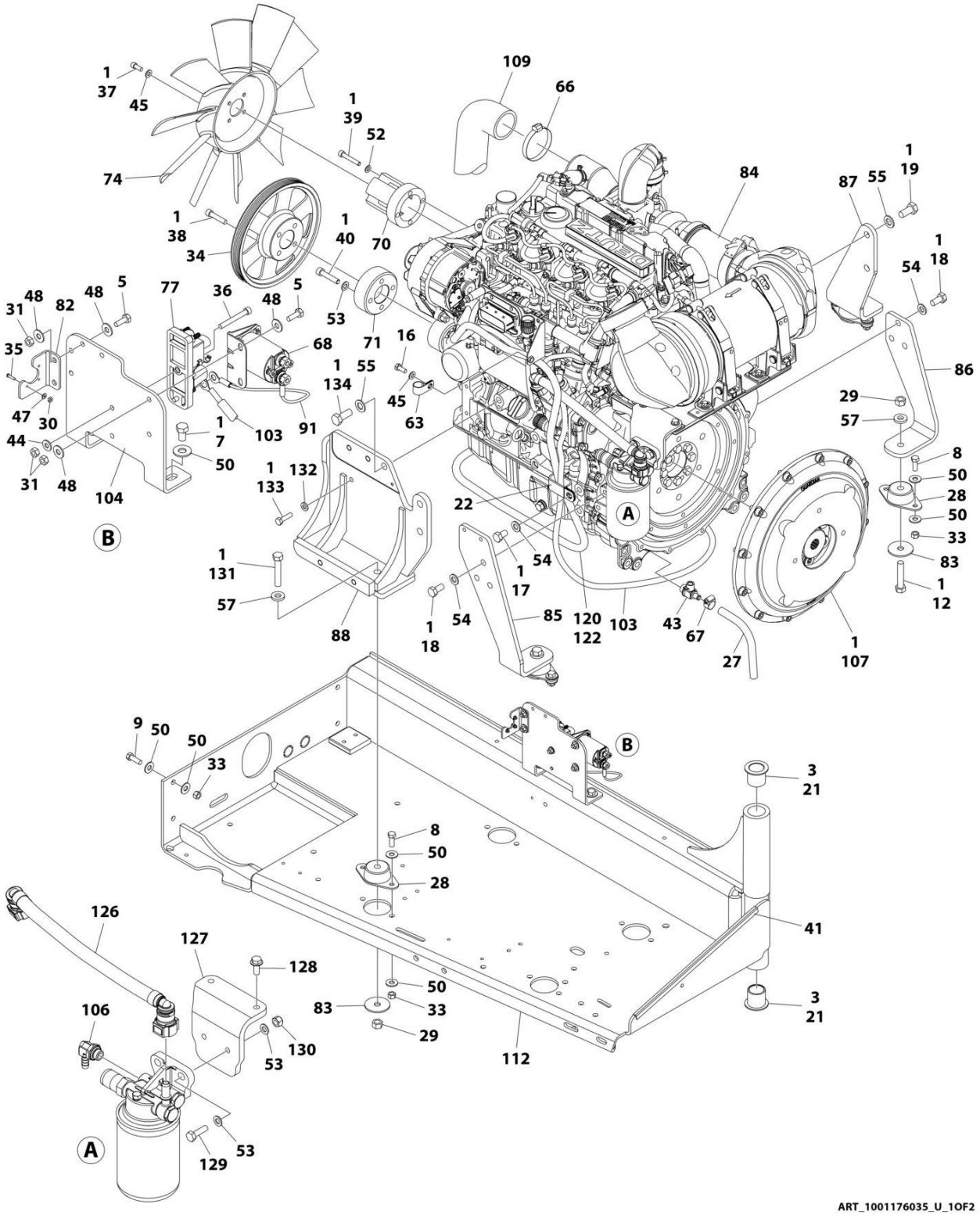
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176027	Ref	ENGINE ASSEMBLY WITHOUT ARCTIC PACKAGE	U
1	0100011	AR	Locking, Compound	
2	0100020	AR	Sealant	
3	0100062	2	Compound, Locking	
4	0630407	5	Screw 1/4 x 5/8	
5	0641406	2	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	8	Bolt 3/8 x 5/8	
8	0641608	6	Bolt 3/8 x 1	
9	0641609	4	Bolt 3/8 x 1-1/8	
10	0641612	2	Bolt 3/8 x 1-1/2	
11	0641708	3	Bolt 7/16 x 1	
12	0681820	2	Bolt 1/2 x 2-1/2	
13	0741605	2	Screw 3/8 x 5/8	
14	0760605	AR	Bolt M6 x 10	
16	0760810	9	Bolt M8 x 20	
17	0761210	1	Bolt M12 x 20	
18	0771212	6	Bolt M12 x 25	
19	0771414	2	Bolt M14 x 30	
20	0940070	1	Bumper	
21	0961986	2	Bushing, Flanged	
22	1703162	1	Decal - Caution Fan Blade	
23	2220315	1	Fitting, Straight Barbed	
24	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this section)	
25	2720015	40 in/1m	Hose	
26	2720340	12 in /30.5cm	Hose	
27	3200401	4	Mount, Motor	
28	3271801	4	Nut 1/2-13	
29	3310401	3	Nut #4	
30	3311405	8	Nut 1/4	
31	3311505	2	Locknut 5/16	
32	3311605	17	Nut 3/8	
33	3580320	1	Pulley	
34	3910408	3	Screw #4 x 1/2	
35	3931432	1	Capscrew 1/4 x 2	
36	3931512	4	Capscrew 5/16 x 3/4	
37	3931628	4	Capscrew 3/8 x 1-3/4	
38	4031914	4	Capscrew M8 x 50	
39	4032014	4	Capscrew M10 x 50	
40	4060805	15 in /38cm	Flex-Trim	
41	4240099	AR	Tie-Strap (Not Shown)	
42	4640751	1	Valve, Oil Drain	
43	4711400	3	Washer 1/4	
44	4711500	5	Washer 5/16	
45	4711700	2	Washer 7/16	
46	4750400	3	Washer #4	
47	4751400	10	Washer 1/4	
48	4751500	4	Washer 5/16	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	4751600	34	Washer 3/8	
50	4811702	2	Washer M6	
51	4811900	4	Washer M8	
52	4812000	8	Washer M10	
53	4812100	7	Washer M12	
54	4812200	5	Washer M14	
56	4891800	4	Washer 1/2	
58	8405007	2	Clamp	
59	8405009	4	Clamp	
60	8405104	4	Clamp	
62	8406102	1	Clip	
63	8406109	1	Clip	
64	8406110	1	Clip	
65	8410011	2	Clamp	
66	8410013	1	Clamp	
67	1001117308	1	Relay	
69	1001135138	1	Adapter	
70	1001135679	1	Adapter	
72	1001136834	1	Cap, Tank	
73	1001137276	1	Fan	
74	1001138173	1	Support	
75	1001138175	1	Bracket	
76	1001138228	1	Relay, Power Module	
76	70023593	1	Fuse 30Amp (Battery Output)	
76	70023592	1	Fuse 20Amp (Switch Output)	
77	1001138248	62 in/1.6m	Tube	
78	1001138489	1	Air Cleaner Assembly	
78	91403102	1	Element, Filter	
79	1001138557	1	Clamp	
82	1001139240	1	Bracket	
83	1001139409	4	Washer, Special	
84	1001249942	1	Engine, Deutz TD2.9L4 T4F (See Separate Breakdown in this Section)	
85	1001140448	1	Mount, Rear Engine	
86	1001140450	1	Mount, Rear Engine	
87	1001140454	1	Mount, Front Engine	
88	1001202368	1	Mount, Generator/Engine	
89	1001230635	1	Tank	
89	0100020	AR	Sealant, Pipe	
89	1001134488	1	Fitting, 90 NPT/ Barbed	
89	1001138827	1	Sensor, Coolant Level	
89	1001140564	1	Fitting, 90 NPT/ Barbed	
89	1001229542	1	Tank, Surge	
91	1001141304	1	Harness, Glow Plug	
92	1001141370	1	Hose	
93	1001267256	1	Shim	
95	1001141585	1	Hose, Inlet	
97	1001141995	1	Fitting, Straight NPT/Barbed	
100	1001143390	1	Indicator, Service	
101	1001143726	1	Harness, Deutz Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
102	1001143797	1	Fitting, Straight Metric/Barbed	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	1001143907	1	Cable, Alternator Power	
104	1001145154	1	Plate, Relay Mounting	
105	1001152489	1	Fitting, 90 Metric/ Barbed	
108	1001167042	1	Radiator	
109	1001266525	1	Hose	
110	1001169138	4	Washer	
111	1001204325	2	Bracket, Radiator	
112	1001190610	1	Tray	
113	1001260413	1	Bracket, Tank	
114	1001177844	1	Hose, Radiator - Upper	
115	1001177845	1	Hose, Radiator - Lower	
116	1001186985	1	Plate, Mounting (Modine Radiator)	
117	1001178223	2	Bracket, Radiator	
118	1001180620	1	Adhesive	
119	1001181899	1	P-Clamp	
120	4811902	8	Washer M8	
121	1001169054	4	Pad, Isolator	
123	1001177359	1	Hose	
124	1001178876	1	Mount, Fuel Filter	
125	5250810	2	Bolt M8 x 20	
126	0761015	2	Bolt M10 x 35	
127	3291005	2	Nut M10	
129	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
130	0771415	3	Bolt M14 x 35 Grade 10.9	
131	5240800	1	Washer M8	
132	0700814	1	Bolt M8 x 30	
133	0681608	1	Bolt 3/8 x 1 Grade 8	
134	1001260412	1	Bracket	
135	1001162335	1	Bracket, Fuel Pump/Filter Assy (Not Shown - See Separate Breakdown in this Section)	

FIGURE 3-24. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)



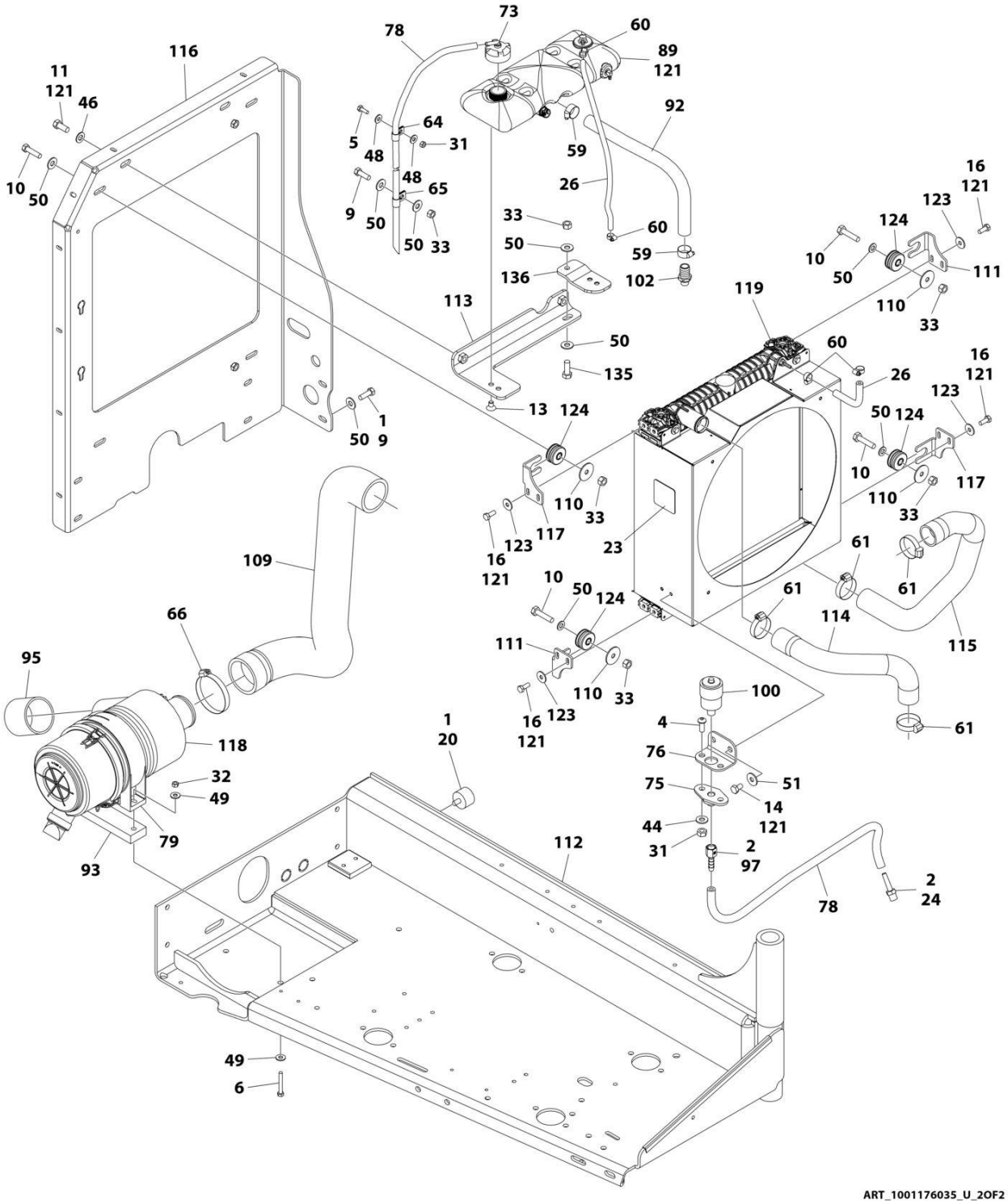

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FIGURE 3-24. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)

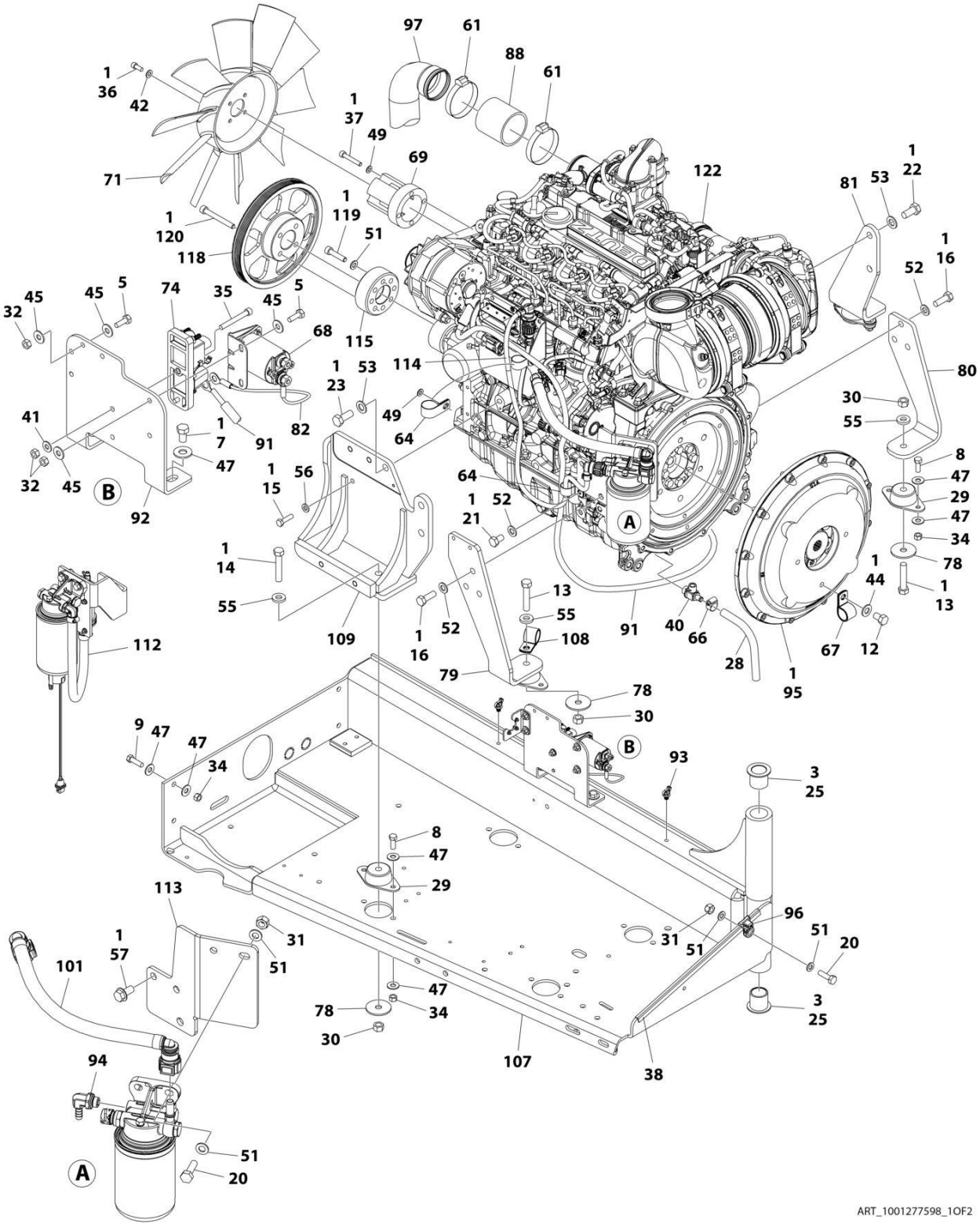
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176035	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)	U
1	0100011	AR	Locking, Compound	
2	0100020	AR	Sealant	
3	0100062	2	Compound, Locking	
4	0630407	5	Screw 1/4 x 5/8	
5	0641406	2	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	8	Bolt 3/8 x 5/8	
8	0641608	6	Bolt 3/8 x 1	
9	0641609	4	Bolt 3/8 x 1-1/8	
10	0641612	2	Bolt 3/8 x 1-1/2	
11	0641708	3	Bolt 7/16 x 1	
12	0681820	2	Bolt 1/2 x 2-1/2 Grade 8	
13	0741605	2	Screw 3/8 x 5/8	
14	0760605	2	Bolt M6 x 10	
16	0760810	9	Bolt M8 x 20	
17	0761210	1	Bolt M12 x 20	
18	0771212	6	Bolt M12 x 25 Grade 10.9	
19	0771414	2	Bolt M14 x 30 Grade 10.9	
20	0940070	1	Bumper	
21	0961986	2	Bushing, Flanged	
22	1001181899	1	P-Clamp	
23	1703162	1	Decal - Caution Fan Blade	
24	2220315	1	Fitting, Straight Barbed	
26	2720015	40 in/1m	Hose	
27	2720340	12 in /30.5cm	Hose	
28	3200401	4	Mount, Motor	
29	3271801	4	Nut 1/2	
30	3310401	3	Nut #4	
31	3311405	8	Nut 1/4	
32	3311505	2	Nut 5/16	
33	3311605	17	Nut 3/8	
34	3580320	1	Pulley	
35	3910408	3	Screw #4 x 1/2	
36	3931432	1	Capscrew 1/4 x 2	
37	3931512	4	Capscrew 5/16 x 3/4	
38	3931628	4	Capscrew 3/8 x 1-3/4	
39	4031914	4	Capscrew M8 x 50	
40	4032014	4	Capscrew M10 x 50	
41	4060805	15 in /38cm	Flex-Trim	
42	4240099	AR	Tie-Strap (Not Shown)	
43	4640751	1	Valve, Oil Drain	
44	4711400	3	Washer 1/4	
45	4711500	5	Washer 5/16	
46	4711700	2	Washer 7/16	
47	4750400	3	Washer #4	
48	4751400	10	Washer 1/4	
49	4751500	4	Washer 5/16	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4751600	34	Washer 3/8	
51	4811702	2	Washer M6	
52	4811900	4	Washer M8	
53	4812000	8	Washer M10	
54	4812100	7	Washer M12	
55	4812200	5	Washer M14	
57	4891800	4	Washer 1/2	
59	8405007	2	Clamp	
60	8405009	4	Clamp	
61	8405104	4	Clamp	
63	8406102	1	Clip	
64	8406109	1	Clip	
65	8406110	1	Clip	
66	8410011	2	Clamp	
67	8410013	1	Clamp	
68	1001117308	1	Relay	
70	1001135138	1	Adapter	
71	1001135679	1	Adapter	
73	1001136834	1	Cap, Tank	
74	1001137276	1	Fan	
75	1001138173	1	Support	
76	1001138175	1	Bracket	
77	1001138228	1	Relay, Power Module	
77	70023592	1	Fuse 20Amp (Switch Output)	
77	70023593	1	Fuse 30Amp (Battery Output)	
78	1001138248	62 in/1.6m	Tube	
79	1001138557	1	Clamp	
82	1001139240	1	Bracket	
83	1001139409	4	Washer, Special	
84	1001249942	1	Engine, Deutz TD2.9L4 T4F (See Separate Breakdown in this Section)	
85	1001140448	1	Mount, Rear Engine	
86	1001140450	1	Mount, Rear Engine	
87	1001140454	1	Mount, Front Engine	
88	1001202368	1	Mount, Generator/Engine	
89	1001230635	1	Tank	
89	0100020	1	Sealant	
89	1001134488	1	Fitting, 90 NPT/ Barbed	
89	1001138827	1	Sensor, Coolant Level	
89	1001140564	1	Fitting, 90 NPT/ Barbed	
89	1001229542	1	Tank, Surge	
91	1001141304	1	Harness, Glow Plug	
92	1001141370	1	Hose	
93	1001267256	1	Shim	
95	1001141585	1	Hose, Inlet	
97	1001141995	1	Fitting, Straight NPT/Barbed	
100	1001143390	1	Indicator, Service	
101	1001143726	1	Harness, Deutz Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
102	1001143797	1	Fitting, Straight Metric/Barbed	
103	1001143907	1	Cable, Alternator Power	
104	1001145154	1	Plate, Relay Mounting	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106	1001152489	1	Fitting, 90 Metric/ Barbed	
107	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
109	1001266525	1	Pipe	
110	1001169138	4	Washer	
111	1001204325	2	Bracket, Radiator	
112	1001190610	1	Tray	
113	1001260413	1	Bracket, Tank	
114	1001177844	1	Hose, Radiator - Upper	
115	1001177845	1	Hose, Radiator - Lower	
116	1001186985	1	Plate, Mounting	
117	1001178223	2	Bracket, Radiator	
118	1001138489	1	Air Cleaner Assembly	
118	91403102	1	Element, Filter	
119	1001167042	1	Radiator	
120	1001140312	1	Heater, Engine Block	
121	1001180620	1	Adhesive	
122	1001181895	1	Adhesive	
123	4811902	8	Washer M8	
124	1001169054	4	Pad, Isolator	
126	1001177359	1	Hose	
127	1001178876	1	Mount, Fuel Filter	
128	5250810	2	Bolt M8 x 20	
129	0761015	2	Bolt M10 x 35	
130	3291005	2	Nut M10	
131	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
132	5240800	1	Washer M8	
133	0700814	1	Bolt M8 x 30	
134	0771415	3	Bolt M14 x 35 Grade 10.9	
135	0681608	1	Bolt 3/8 x 1 Grade 8	
136	1001260412	1	Bracket	
137	1001162335	1	Bracket, Fuel Pump/Filter Assy (Not Shown - See Separate Breakdown in this Section)	

FIGURE 3-25. DEUTZ TD2.9L4 ENGINE ASSEMBLY (STAGE V)



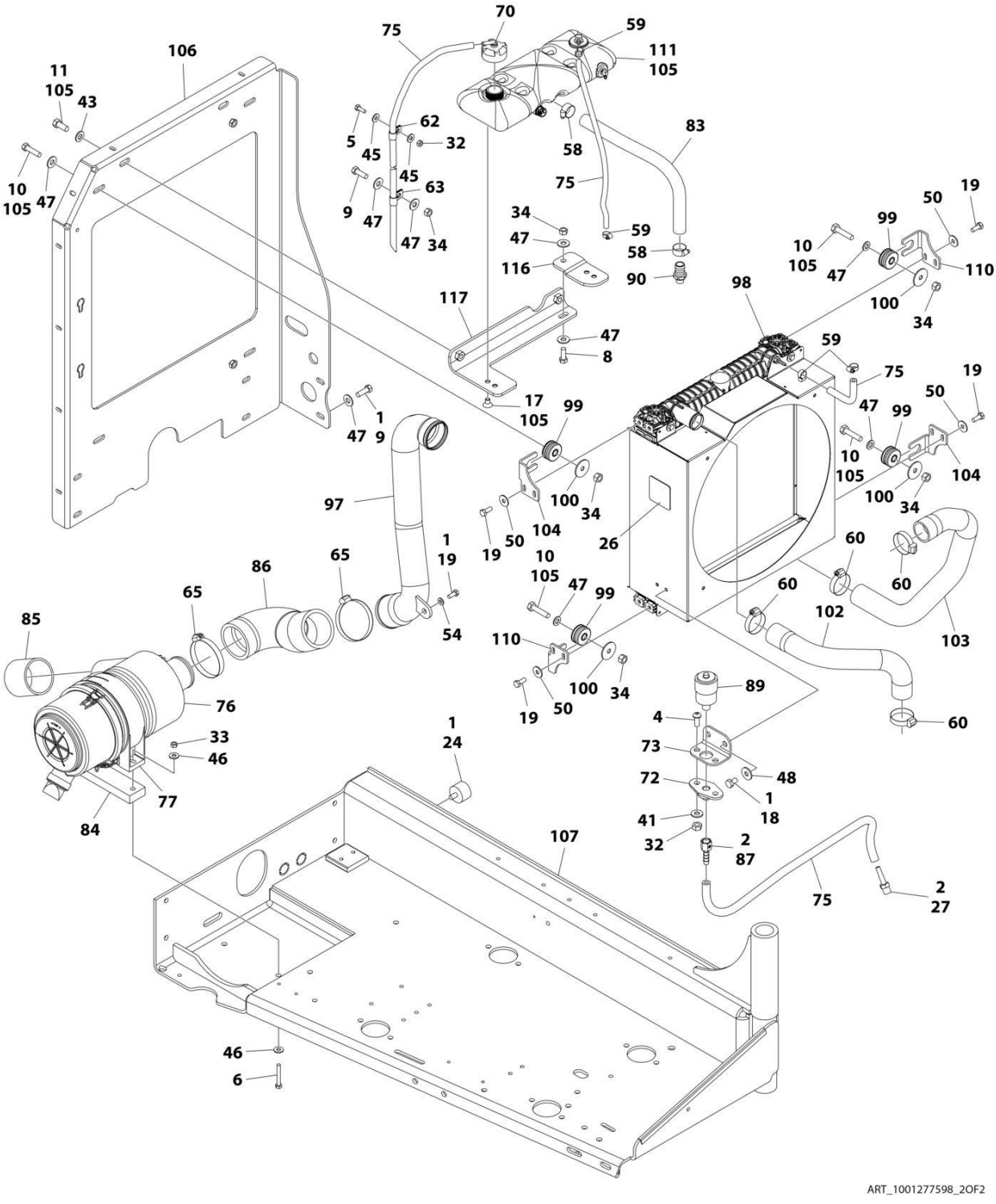

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FIGURE 3-25. DEUTZ TD2.9L4 ENGINE ASSEMBLY (STAGE V)

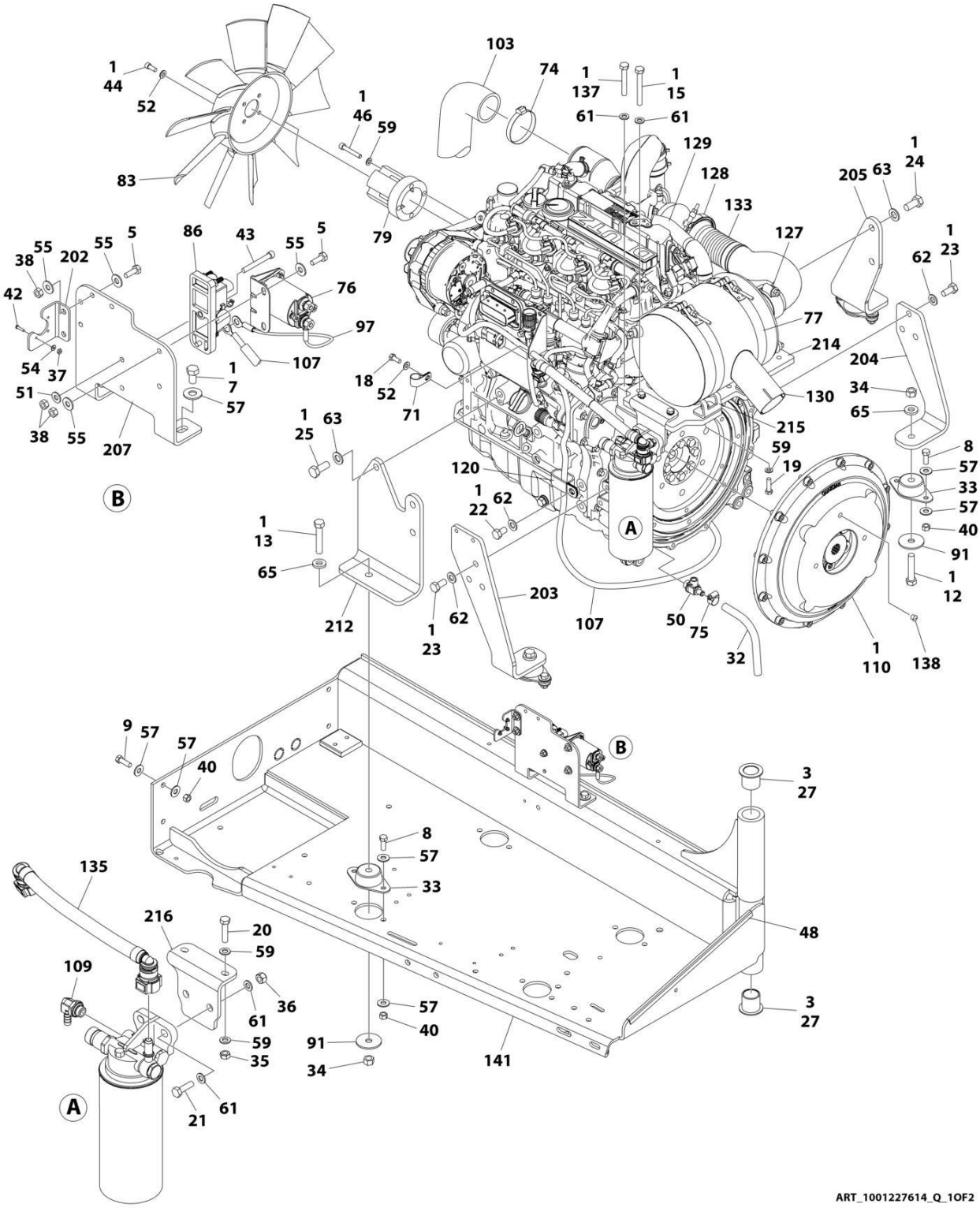
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277598	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY (STAGE V)	C
1	0100011	AR	Locking, Compound	
2	0100020	AR	Sealant	
3	0100062	AR	Compound, Locking	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	3	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	2	Bolt 3/8 x 5/8	
8	0641608	9	Bolt 3/8 x 1	
9	0641609	6	Bolt 3/8 x 1-1/8	
10	0641612	4	Bolt 3/8 x 1-1/2	
11	0641708	2	Bolt 7/16 x 1	
12	0641806	1	Bolt 1/2 x 3/4	
13	0681820	3	Bolt 1/2 x 2-1/2 Grade 8	
14	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0700814	1	Bolt M8 x 30	
16	0711215	6	Bolt M12 x 35	
17	0741605	2	Screw 3/8 x 5/8	
18	0760605	2	Bolt M6 x 10	
19	0760810	9	Bolt M8 x 20	
20	0761015	3	Bolt M10 x 35	
21	0761210	1	Bolt M12 x 20	
22	0771414	2	Bolt M14 x 30 Grade 10.9	
23	0771415	3	Bolt M14 x 35 Grade 10.9	
24	0940070	1	Bumper	
25	0961986	2	Bushing, Flanged	
26	1703162	1	Decal - Caution Fan Blade	
27	2220315	1	Fitting, Straight Barbed	
28	2720340	12 in /.305m	Hose	
29	3200401	4	Mount, Motor	
30	3271801	4	Nut 1/2 Grade 8	
31	3291005	3	Nut M10	
32	3311405	6	Nut 1/4	
33	3311505	2	Nut 5/16	
34	3311605	17	Nut 3/8	
35	3931432	1	Capscrew 1/4 x 2	
36	3931512	4	Capscrew 5/16 x 3/4	
37	4031914	4	Capscrew M8 x 50	
38	4060805	15 in /38cm	Flex-Trim	
39	4240099	AR	Tie-Strap (Not Shown)	
40	4640751	1	Valve, Oil Drain	
41	4711400	3	Washer 1/4	
42	4711500	4	Washer 5/16	
43	4711700	2	Washer 7/16	
44	4711800	1	Washer 1/2	
45	4751400	6	Washer 1/4	
46	4751500	4	Washer 5/16	
47	4751600	34	Washer 3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	4811702	2	Washer M6	
49	4811900	5	Washer M8	
50	4811902	8	Washer M8	
51	4812000	10	Washer M10	
52	4812100	7	Washer M12	
53	4812200	5	Washer M14	
54	4891500	1	Washer 5/16	
55	4891800	4	Washer 1/2	
56	5240800	1	Washer M8	
57	5251010	2	Bolt M10 x 20	
58	8405007	2	Clamp	
59	8405009	4	Clamp	
60	8405104	4	Clamp	
61	8405204	2	Clamp	
62	8406109	1	Clip	
63	8406110	1	Clip	
64	8406201	2	Clip	
65	8410011	2	Clamp	
66	8410013	1	Clamp	
67	85031405	1	Clamp	
68	1001117308	1	Relay	
69	1001135138	1	Adapter	
70	1001136834	1	Cap, Tank	
71	1001137276	1	Fan	
72	1001138173	1	Support	
73	1001138175	1	Bracket	
74	1001138228	1	Relay, Power Module	
75	1001138248	90 in/2.2m	Tube	
76	1001138489	1	Air Cleaner Assembly	
77	1001138557	1	Clamp	
78	1001139409	4	Washer, Special	
79	1001140448	1	Mount, Rear Engine	
80	1001140450	1	Mount, Rear Engine	
81	1001140454	1	Mount, Front Engine	
82	1001141304	1	Harness, Glow Plug	
83	1001141370	1	Hose	
84	1001141419	1	Shim	
85	1001141585	1	Hose, Inlet	
86	1001141586	1	Pipe, Intake	
87	1001141995	1	Fitting, Straight NPT/Barbed	
88	1001142623	1	Hose, Inlet	
89	1001143390	1	Indicator, Service	
90	1001143797	1	Fitting, Straight Metric/Barbed	
91	1001143907	1	Cable, Alternator Power	
92	1001145154	1	Plate, Relay Mounting	
93	1001146588	3	Strap	
94	1001152489	1	Fitting, 90 Metric/ Barbed	
95	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this section)	
96	1001156107	1	Holder, Cable	
97	1001165842	1	Pipe	
98	1001167042	1	Radiator (Modine Radiator)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
99	1001169054	4	Pad, Isolator	
100	1001169138	4	Washer	
101	1001177359	1	Hose	
102	1001177844	1	Hose, Radiator - Upper	
103	1001177845	1	Hose, Radiator - Lower	
104	1001178223	2	Bracket, Radiator	
105	1001180620	AR	Adhesive	
106	1001186985	1	Plate, Mounting	
107	1001190610	1	Tray	
108	1001191620	1	Clamp	
109	1001202368	1	Mount, Generator/Engine	
110	1001204325	2	Bracket, Radiator	
111	1001230635	1	Tank	
112	1001235949	1	Bracket, Fuel Pump/Filter Assy (See Separate Breakdown in this Section)	
113	1001238268	1	Mount, Fuel Filter	
114	1001245913	1	Harness, Deutz TD2.9L4 (Stage V) Engine Fuel Filter (See Separate Breakdown in ELECTRICAL Section)	
115	1001258800	1	Adapter	
116	1001260412	1	Bracket, Surge Tank	
117	1001260413	1	Bracket, Tank	
118	1001281192	1	Pulley	
119	1001261045	4	Capscrew M10 x 45	
120	1001261085	4	Capscrew M10 x 85	
121	1001276644	1	Harness Deutz (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
122	1001277592	1	Engine Deutz (See Separate Breakdown in this section)	

FIGURE 3-26. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA III ENGINES)



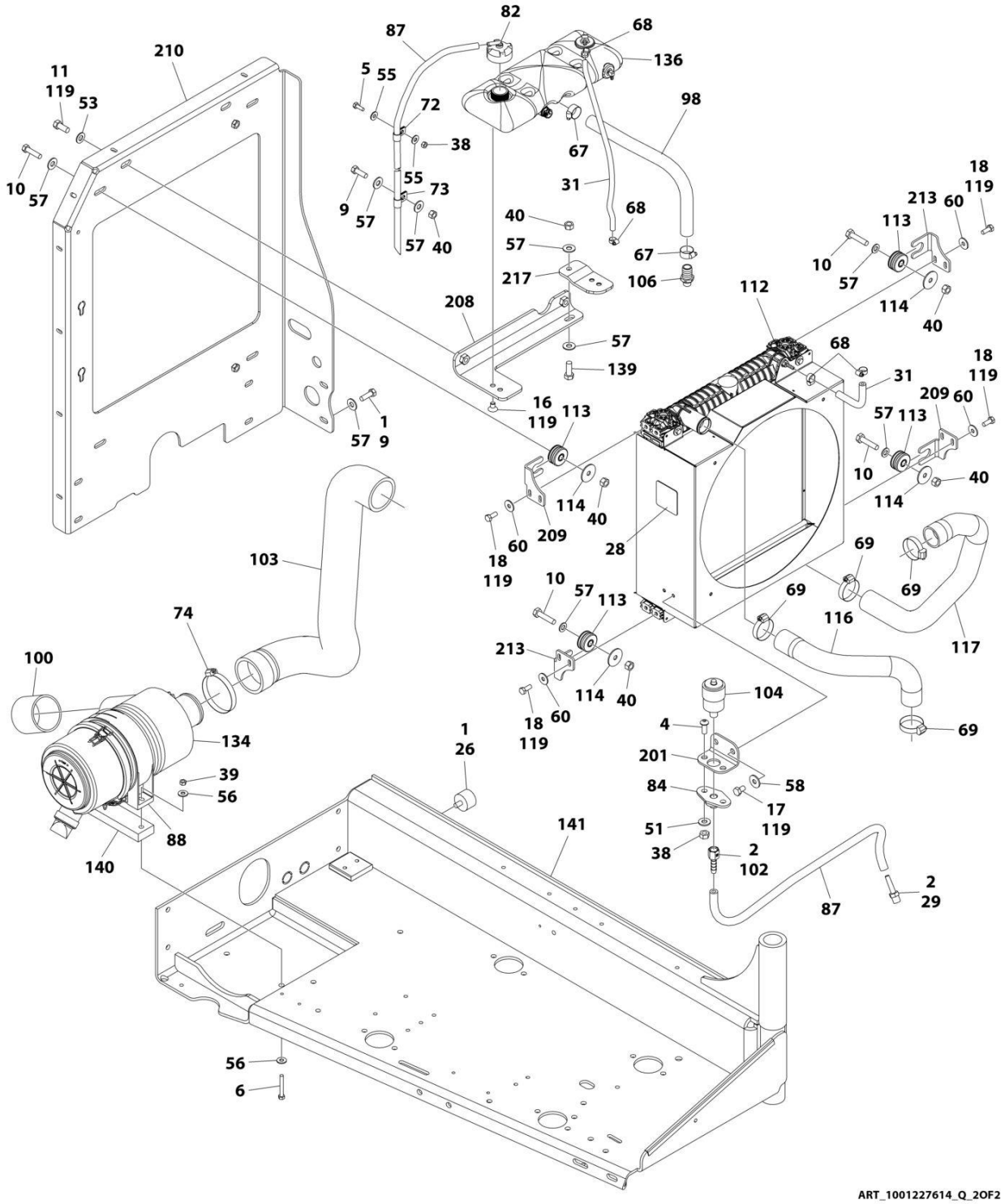

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FIGURE 3-26. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA III ENGINES)

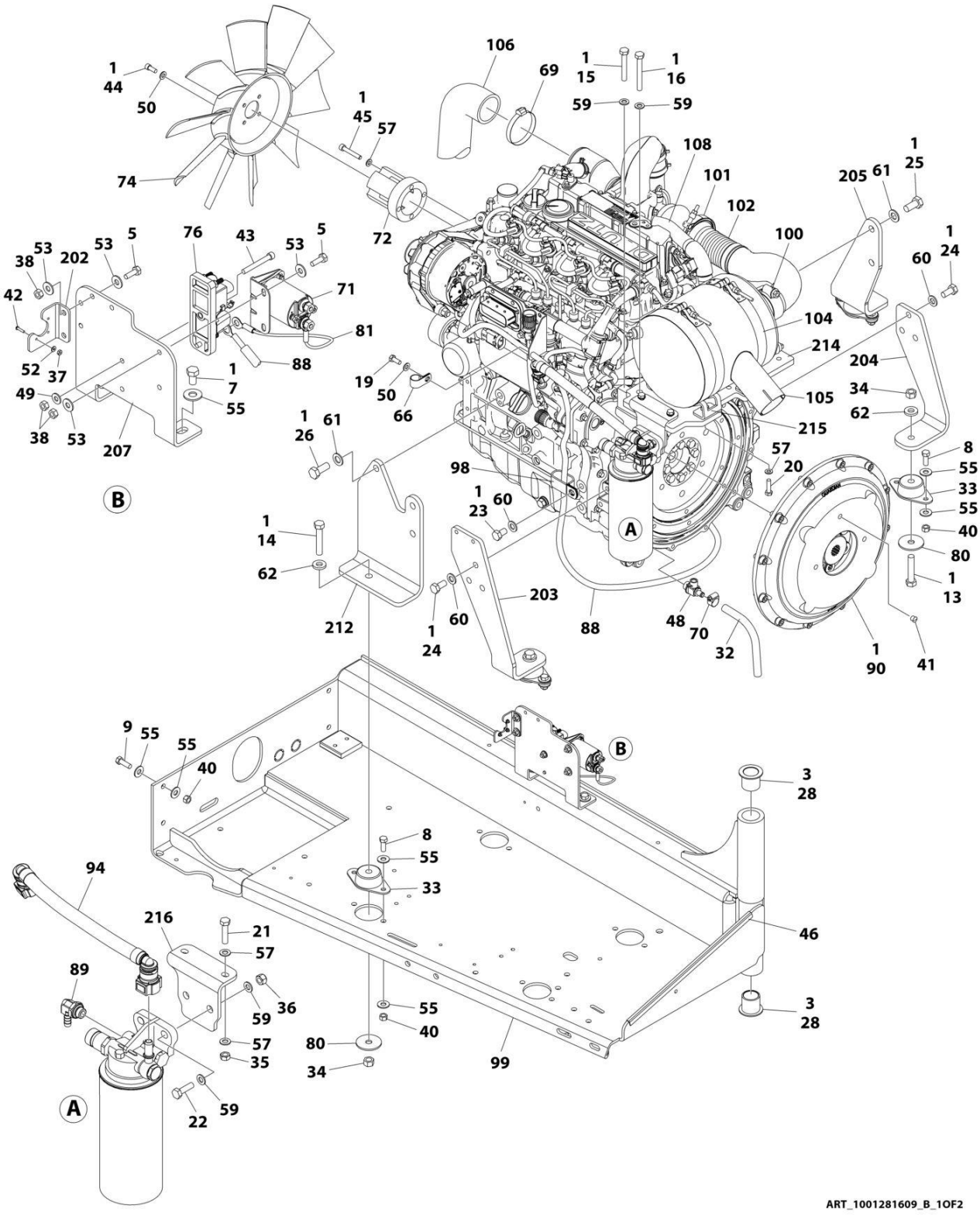
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227614	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY	Q
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Compound, Locking	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	5	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	2	Bolt 3/8 x 5/8	
8	0641608	8	Bolt 3/8 x 1	
9	0641609	6	Bolt 3/8 x 1-1/8	
10	0641612	4	Bolt 3/8 x 1-1/2	
11	0641708	2	Bolt 7/16 x 1	
12	0681820	3	Bolt 1/2 x 2-1/2 Grade 8	
13	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0701025	2	Bolt M10 x 85	
16	0741605	2	Screw 3/8 x 5/8	
17	0760605	2	Bolt M6 x 10	
18	0760810	10	Bolt M8 x 20	
19	0760814	4	Bolt M8 x 30	
20	0760815	2	Bolt M8 x 35	
21	0761015	2	Bolt M10 x 35	
22	0761210	1	Bolt M12 x 20	
23	0771212	6	Bolt M12 x 25 Grade 10.9	
24	0771414	2	Bolt M14 x 30 Grade 10.9	
25	0771415	3	Bolt M14 x 35	
26	0940070	1	Bumper	
27	0961986	2	Bushing, Flanged	
28	1703162	1	Decal - Caution Fan Blade	
29	2220315	1	Fitting, Straight Barbed	
31	2720015	2.32 ft /0.71m	Hose	
32	2720340	1 ft /0.31m	Hose	
33	3200401	4	Mount, Motor	
34	3271801	4	Nut 1/2	
35	3290801	2	Nut M8	
36	3291005	2	Nut M10	
37	3310401	3	Nut #4	
38	3311405	8	Nut 1/4	
39	3311505	2	Locknut 5/16	
40	3311605	17	Nut 3/8	
42	3910408	3	Screw #4 x 1/2	
43	3931432	1	Capscrew 1/4 x 2	
44	3931512	4	Capscrew 5/16 x 3/4	
46	4031914	4	Capscrew M8 x 50	
48	4060805	1.2 m /0.39m	Flex-Trim	
49	4240099	AR	Tie-Strap (Not Shown)	
50	4640751	1	Valve, Oil Drain	
51	4711400	3	Washer 1/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	4711500	5	Washer 5/16	
53	4711700	2	Washer 7/16	
54	4750400	3	Washer #4	
55	4751400	10	Washer 1/4	
56	4751500	4	Washer 5/16	
57	4751600	34	Washer 3/8	
58	4811702	2	Washer M6	
59	4811900	12	Washer M8	
60	4811902	8	Washer M8	
61	4812000	8	Washer M10	
62	4812100	7	Washer M12	
63	4812200	5	Washer M14	
65	4891800	4	Washer 1/2	
67	8405007	2	Clamp	
68	8405009	4	Clamp	
69	8405104	4	Clamp	
71	8406102	1	Clip	
72	8406109	1	Clip	
73	8406110	1	Clip	
74	8410011	2	Clamp	
75	8410013	1	Clamp	
76	1001117308	1	Relay	
77	1001233089	2	Strap	
79	1001135138	1	Adapter	
82	1001136834	1	Cap, Tank	
83	1001137276	1	Fan	
84	1001138173	1	Support	
86	1001138228	1	Relay, Power Module	
87	1001138248	62 in/1.6m	Tube	
88	1001138557	1	Clamp	
91	1001139409	4	Washer, Special	
97	1001141304	1	Harness, Glow Plug	
98	1001141370	1	Hose	
100	1001141585	1	Hose, Inlet	
102	1001141995	1	Fitting, Straight NPT/Barbed	
103	1001266525	1	Hose, Inlet	
104	1001143390	1	Indicator, Service	
105	1001143726	1	Harness, Deutz Engine (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
106	1001143797	1	Fitting, Straight Metric/Barbed	
107	1001143907	1	Cable, Alternator Power	
109	1001152489	1	Fitting, 90 Metric/ Barbed	
110	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
112	1001167042	1	Radiator	
113	1001169054	4	Isolator	
114	1001169138	4	Washer	
116	1001177844	1	Hose, Radiator - Upper	
117	1001177845	1	Hose, Radiator - Lower	
119	1001180620	AR	Adhesive	
120	1001181899	1	P-Clamp	
127	1001221212	1	Clamp	
128	1001221219	1	Clamp	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
129	1001223591	1	Engine, Deutz TD2.9L4 Components (See Separate Breakdown in this Section)	
130	1001257278	1	Muffler	
133	1001224940	1	Pipe, Exhaust	
134	1001138489	1	Air Cleaner Assembly	
134	91403102	1	Element, Filter	
135	1001177359	1	Hose	
136	1001230635	1	Tank	
137	0701022	2	Bolt M10 x 70	
138	3520054	1	Plug	
139	0681608	1	Bolt 3/8 x 1 Grade 8	
140	1001267256	1	Shim, Air Cleaner	
141	1001190610	1	Support, Engine Try	
200	1001257412	1	Bracket Engine Kit (Includes Items 201-217)	E
201	1001138175	1	Bracket	
202	1001139240	1	Bracket	
203	1001140448	1	Mount, Rear Engine	
204	1001140450	1	Mount, Rear Engine	
205	1001140454	1	Mount, Front Engine	
207	1001145154	1	Plate, Relay Mounting	
208	1001260413	1	Bracket, Tank	
209	1001178223	2	Bracket, Radiator	
210	1001186985	1	Plate, Mounting	
212	1001266499	1	Mount, Generator/Engine	
213	1001204325	2	Bracket, Radiator	
214	1001221203	1	Bracket	
215	1001224936	1	Mount, Doc Weldment	
216	1001224937	2	Mount, Fuel Filter	
217	1001260412	1	Bracket	

FIGURE 3-27. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV ENGINES) (Prior to SN B300017278)



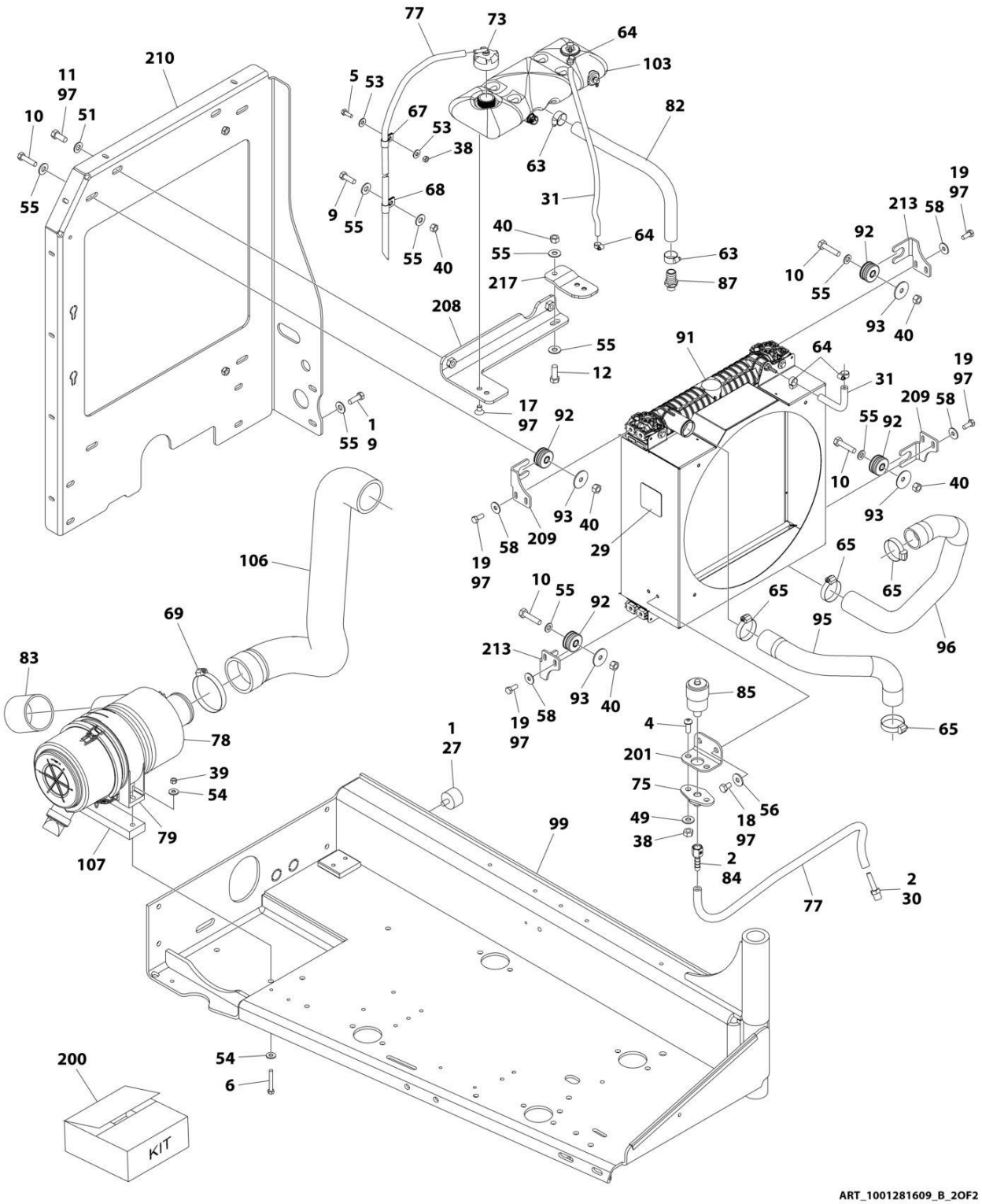

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FIGURE 3-27. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV ENGINES) (Prior to SN B300017278)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281609	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Compound, Locking	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	5	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	2	Bolt 3/8 x 5/8	
8	0641608	8	Bolt 3/8 x 1	
9	0641609	6	Bolt 3/8 x 1-1/8	
10	0641612	4	Bolt 3/8 x 1-1/2	
11	0641708	2	Bolt 7/16 x 1	
12	0681608	1	Bolt 3/8 x 1 Grade 8	
13	0681820	3	Bolt 1/2 x 2-1/2 Grade 8	
14	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0701022	2	Bolt M10 x 70	
16	0701025	2	Bolt M10 x 85	
17	0741605	2	Screw 3/8 x 5/8	
18	0760605	2	Bolt M6 x 10	
19	0760810	9	Bolt M8 x 20	
20	0760814	4	Bolt M8 x 30	
21	0760815	2	Bolt M8 x 35	
22	0761015	2	Bolt M10 x 35	
23	0761210	1	Bolt M12 x 20	
24	0771212	6	Bolt M12 x 25 Grade 10.9	
25	0771414	2	Bolt M14 x 30 Grade 10.9	
26	0771415	3	Bolt M14 x 35	
27	0940070	1	Bumper	
28	0961986	2	Bushing, Flanged	
29	1703162	1	Decal - Caution Fan Blade	
30	2220315	1	Fitting, Straight Barbed	
31	2720015	2.32 ft /0.71m	Hose	
32	2720340	1 ft /0.31m	Hose	
33	3200401	4	Mount, Motor	
34	3271801	4	Nut 1/2	
35	3290801	2	Nut M8	
36	3291005	2	Nut M10	
37	3310401	3	Nut #4	
38	3311405	8	Nut 1/4	
39	3311505	2	Locknut 5/16	
40	3311605	17	Nut 3/8	
41	3520054	1	Plug	
42	3910408	3	Screw #4 x 1/2	
43	3931432	1	Capscrew 1/4 x 2	
44	3931512	4	Capscrew 5/16 x 3/4	
45	4031914	4	Capscrew M8 x 50	
46	4060805	1.2 m /0.39m	Flex-Trim	

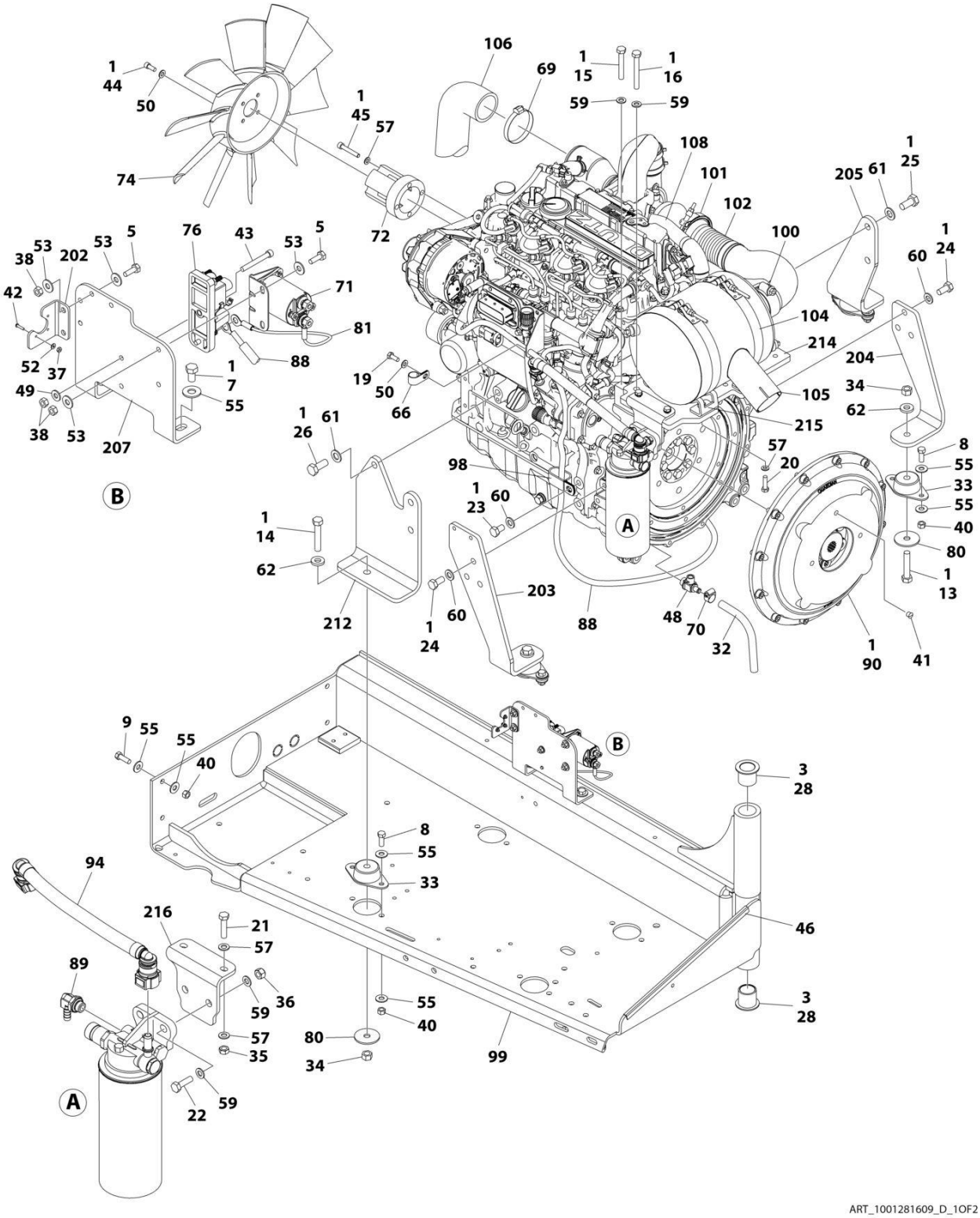
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	4240099	AR	Tie-Strap (Not Shown)	
48	4640751	1	Valve, Oil Drain	
49	4711400	3	Washer 1/4	
50	4711500	5	Washer 5/16	
51	4711700	2	Washer 7/16	
52	4750400	3	Washer #4	
53	4751400	10	Washer 1/4	
54	4751500	4	Washer 5/16	
55	4751600	34	Washer 3/8	
56	4811702	2	Washer M6	
57	4811900	12	Washer M8	
58	4811902	8	Washer M8	
59	4812000	8	Washer M10	
60	4812100	7	Washer M12	
61	4812200	5	Washer M14	
62	4891800	4	Washer 1/2	
63	8405007	2	Clamp	
64	8405009	4	Clamp	
65	8405104	4	Clamp	
66	8406102	1	Clip	
67	8406109	1	Clip	
68	8406110	1	Clip	
69	8410011	2	Clamp	
70	8410013	1	Clamp	
71	1001117308	1	Relay	
72	1001135138	1	Adapter	
73	1001136834	1	Cap, Tank	
74	1001137276	1	Fan	
75	1001138173	1	Support	
76	1001138228	1	Relay, Power Module	
77	1001138248	62 in/1.6m	Tube	
78	1001138489	1	Air Cleaner Assembly	
78	91403102	1	Element, Filter	
79	1001138557	1	Clamp	
80	1001139409	4	Washer, Special	
81	1001141304	1	Harness, Glow Plug	
82	1001141370	1	Hose	
83	1001141585	1	Hose, Inlet	
84	1001141995	1	Fitting, Straight NPT/Barbed	
85	1001143390	1	Indicator, Service	
86	1001238878	1	Harness, Deutz Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
87	1001143797	1	Fitting, Straight Metric/Barbed	
88	1001143907	1	Cable, Alternator Power	
89	1001152489	1	Fitting, 90 Metric/ Barbed	
90	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
91	1001167042	1	Radiator	
92	1001169054	4	Isolator	
93	1001169138	4	Washer	
94	1001177359	1	Hose	
95	1001177844	1	Hose, Radiator - Upper	
96	1001177845	1	Hose, Radiator - Lower	

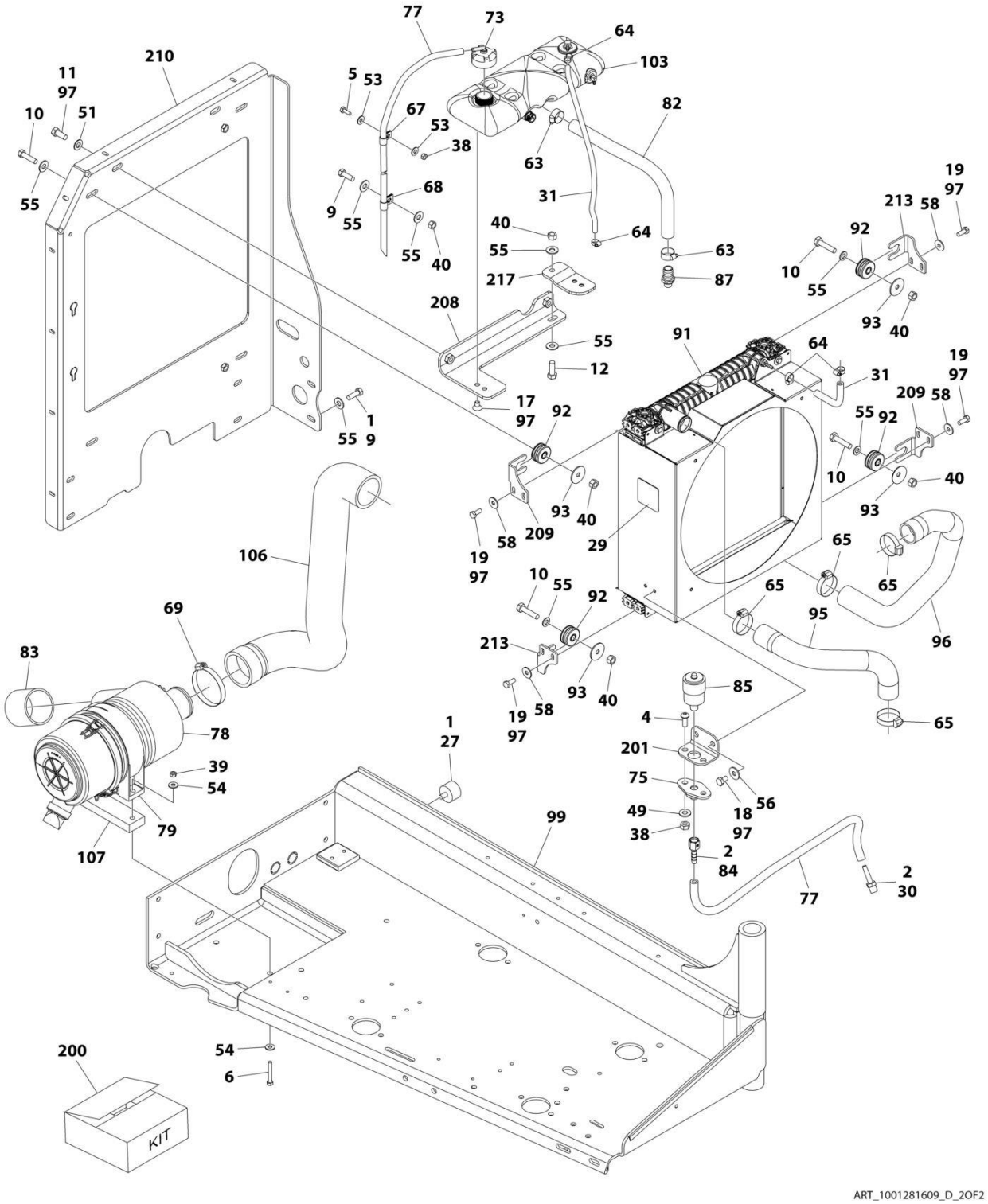
SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
97	1001180620	AR	Adhesive	
98	1001181899	1	P-Clamp	
99	1001190610	1	Support, Engine Try	
100	1001221212	1	Clamp	
101	1001221219	1	Clamp	
102	1001224940	1	Pipe, Exhaust	
103	1001230635	1	Tank	
104	1001233089	2	Strap	
105	1001257278	1	Muffler	
106	1001266525	1	Hose, Inlet	
107	1001267256	1	Shim, Air Cleaner	
108	1001281610	1	Engine, Deutz TD2.9L4 Components (See Separate Breakdown in this Section)	
109	1001281985	1	Connector (Not Shown - Use With Harness 1001238878)	
110	1001281986	1	Connector (Not Shown - Use With Harness 1001238878)	
200	1001257412	1	Bracket Engine Kit (Includes Items 201-217)	D
201	1001138175	1	Bracket	
202	1001139240	1	Bracket	
203	1001140448	1	Mount, Rear Engine	
204	1001140450	1	Mount, Rear Engine	
205	1001140454	1	Mount, Front Engine	
207	1001145154	1	Plate, Relay Mounting	
208	1001260413	1	Bracket, Tank	
209	1001178223	2	Bracket, Radiator	
210	1001186985	1	Plate, Mounting	
212	1001266499	1	Mount, Generator/Engine	
213	1001204325	2	Bracket, Radiator	
214	1001221203	1	Bracket	
215	1001224936	2	Mount, Doc Weldment	
216	1001224937	1	Mount, Fuel Filter	
217	1001260412	1	Bracket	

SECTION 3 - ENGINE

FIGURE 3-28. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV ENGINES) (SN B300017278 to Present)





ART_1001281609_D_2OF2

FIGURE 3-28. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV ENGINES) (SN B300017278 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281609	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY	D
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Compound, Locking	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	5	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	2	Bolt 3/8 x 5/8	
8	0641608	8	Bolt 3/8 x 1	
9	0641609	6	Bolt 3/8 x 1-1/8	
10	0641612	4	Bolt 3/8 x 1-1/2	
11	0641708	2	Bolt 7/16 x 1	
12	0681608	1	Bolt 3/8 x 1 Grade 8	
13	0681820	3	Bolt 1/2 x 2-1/2 Grade 8	
14	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0701022	2	Bolt M10 x 70	
16	0701025	2	Bolt M10 x 85	
17	0741605	2	Screw 3/8 x 5/8	
18	0760605	2	Bolt M6 x 10	
19	0760810	9	Bolt M8 x 20	
20	0760814	4	Bolt M8 x 30	
21	0760815	2	Bolt M8 x 35	
22	0761015	2	Bolt M10 x 35	
23	0761210	1	Bolt M12 x 20	
24	0771212	6	Bolt M12 x 25 Grade 10.9	
25	0771414	2	Bolt M14 x 30 Grade 10.9	
26	0771415	3	Bolt M14 x 35	
27	0940070	1	Bumper	
28	0961986	2	Bushing, Flanged	
29	1703162	1	Decal - Caution Fan Blade	
30	2220315	1	Fitting, Straight Barbed	
31	2720015	2.32 ft /0.71m	Hose	
32	2720340	1 ft /0.31m	Hose	
33	3200401	4	Mount, Motor	
34	3271801	4	Nut 1/2	
35	3290801	2	Nut M8	
36	3291005	2	Nut M10	
37	3310401	3	Nut #4	
38	3311405	8	Nut 1/4	
39	3311505	2	Locknut 5/16	
40	3311605	17	Nut 3/8	
41	3520054	1	Plug	
42	3910408	3	Screw #4 x 1/2	
43	3931432	1	Capscrew 1/4 x 2	
44	3931512	4	Capscrew 5/16 x 3/4	
45	4031912	4	Capscrew M8 x 50	
46	4060805	1.2 m /0.39m	Flex-Trim	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	4240099	AR	Tie-Strap (Not Shown)	
48	4640751	1	Valve, Oil Drain	
49	4711400	3	Washer 1/4	
50	4711500	5	Washer 5/16	
51	4711700	2	Washer 7/16	
52	4750400	3	Washer #4	
53	4751400	10	Washer 1/4	
54	4751500	4	Washer 5/16	
55	4751600	34	Washer 3/8	
56	4811702	2	Washer M6	
57	4811900	12	Washer M8	
58	4811902	8	Washer M8	
59	4812000	8	Washer M10	
60	4812100	7	Washer M12	
61	4812200	5	Washer M14	
62	4891800	4	Washer 1/2	
63	8405007	2	Clamp	
64	8405009	4	Clamp	
65	8405104	4	Clamp	
66	8406102	1	Clip	
67	8406109	1	Clip	
68	8406110	1	Clip	
69	8410011	2	Clamp	
70	8410013	1	Clamp	
71	1001117308	1	Relay	
72	1001289964	1	Adapter	
73	1001136834	1	Cap, Tank	
74	1001137276	1	Fan	
75	1001138173	1	Support	
76	1001138228	1	Relay, Power Module	
77	1001138248	62 in/1.6m	Tube	
78	1001138489	1	Air Cleaner Assembly	
78	91403102	1	Element, Filter	
79	1001138557	1	Clamp	
80	1001139409	4	Washer, Special	
81	1001141304	1	Harness, Glow Plug	
82	1001141370	1	Hose	
83	1001141585	1	Hose, Inlet	
84	1001141995	1	Fitting, Straight NPT/Barbed	
85	1001143390	1	Indicator, Service	
86	1001276644	1	Harness, Deutz Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
87	1001143797	1	Fitting, Straight Metric/Barbed	
88	1001143907	1	Cable, Alternator Power	
89	1001152489	1	Fitting, 90 Metric/ Barbed	
90	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
91	1001167042	1	Radiator	
92	1001169054	4	Isolator	
93	1001169138	4	Washer	
94	1001177359	1	Hose	
95	1001177844	1	Hose, Radiator - Upper	
96	1001177845	1	Hose, Radiator - Lower	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
97	1001180620	AR	Adhesive	
98	1001181899	1	P-Clamp	
99	1001190610	1	Support, Engine Try	
100	1001221212	1	Clamp	
101	1001221219	1	Clamp	
102	1001224940	1	Pipe, Exhaust	
103	1001230635	1	Tank	
104	1001233089	2	Strap	
105	1001257278	1	Muffler	
106	1001266525	1	Hose, Inlet	
107	1001267256	1	Shim, Air Cleaner	
108	1001281610	1	Engine, Deutz TD2.9L4 Components (See Separate Breakdown in this Section)	
109	1001281985	1	Connector (Not Shown - Use With Harness 1001238878)	
110	1001281986	1	Connector (Not Shown - Use With Harness 1001238878)	
200	1001257412	1	Bracket Engine Kit (Includes Items 201-217)	D
201	1001138175	1	Bracket	
202	1001139240	1	Bracket	
203	1001140448	1	Mount, Rear Engine	
204	1001140450	1	Mount, Rear Engine	
205	1001140454	1	Mount, Front Engine	
207	1001145154	1	Plate, Relay Mounting	
208	1001260413	1	Bracket, Tank	
209	1001178223	2	Bracket, Radiator	
210	1001186985	1	Plate, Mounting	
212	1001266499	1	Mount, Generator/Engine	
213	1001204325	2	Bracket, Radiator	
214	1001221203	1	Bracket	
215	1001224936	2	Mount, Doc Weldment	
216	1001224937	1	Mount, Fuel Filter	
217	1001260412	1	Bracket	

FIGURE 3-29. DEUTZ TD2.9L4 ENGINE COMPONENTS

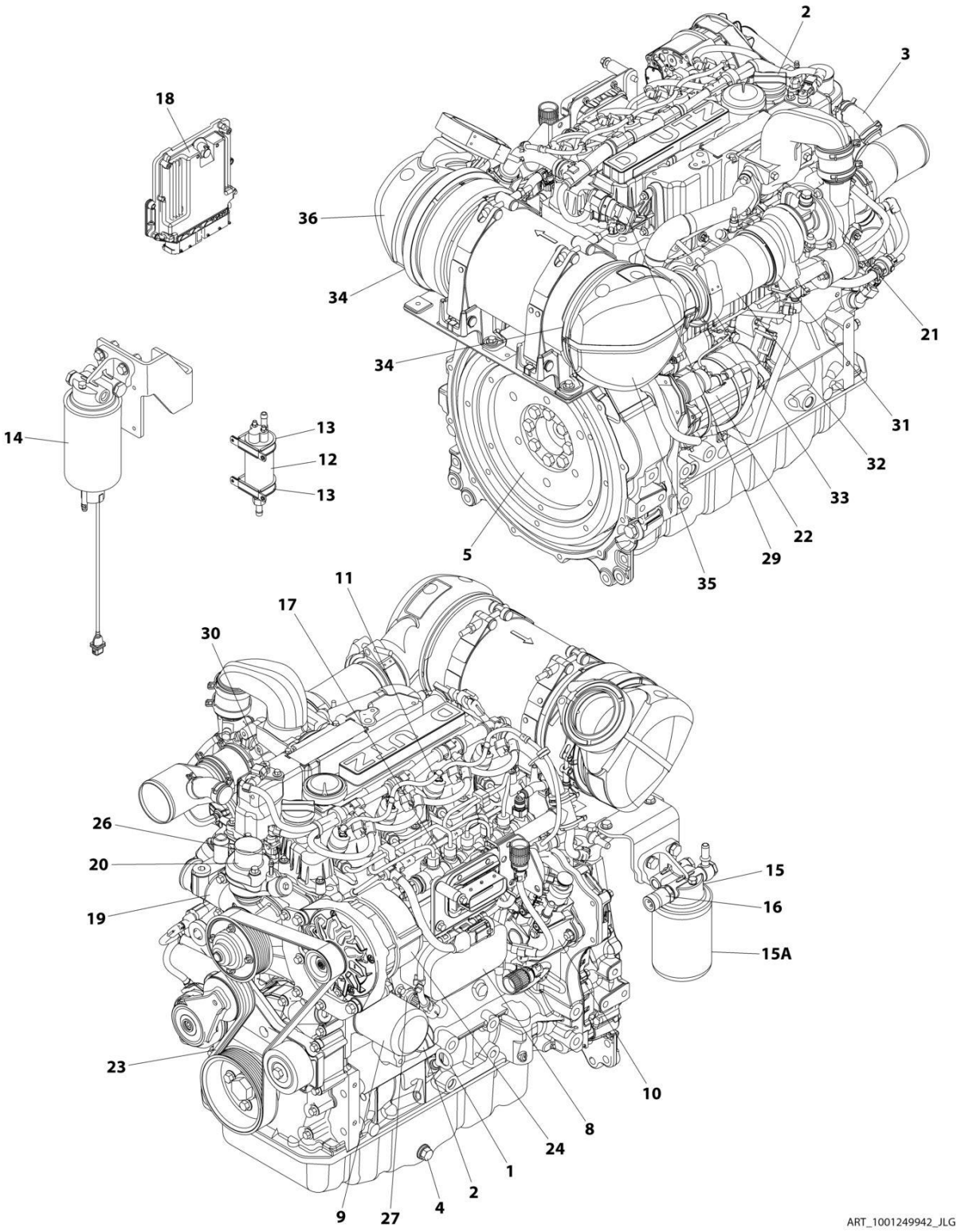


FIGURE 3-29. DEUTZ TD2.9L4 ENGINE COMPONENTS

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 3-30. DEUTZ TD2.9L4 ENGINE COMPONENTS (STAGE V)

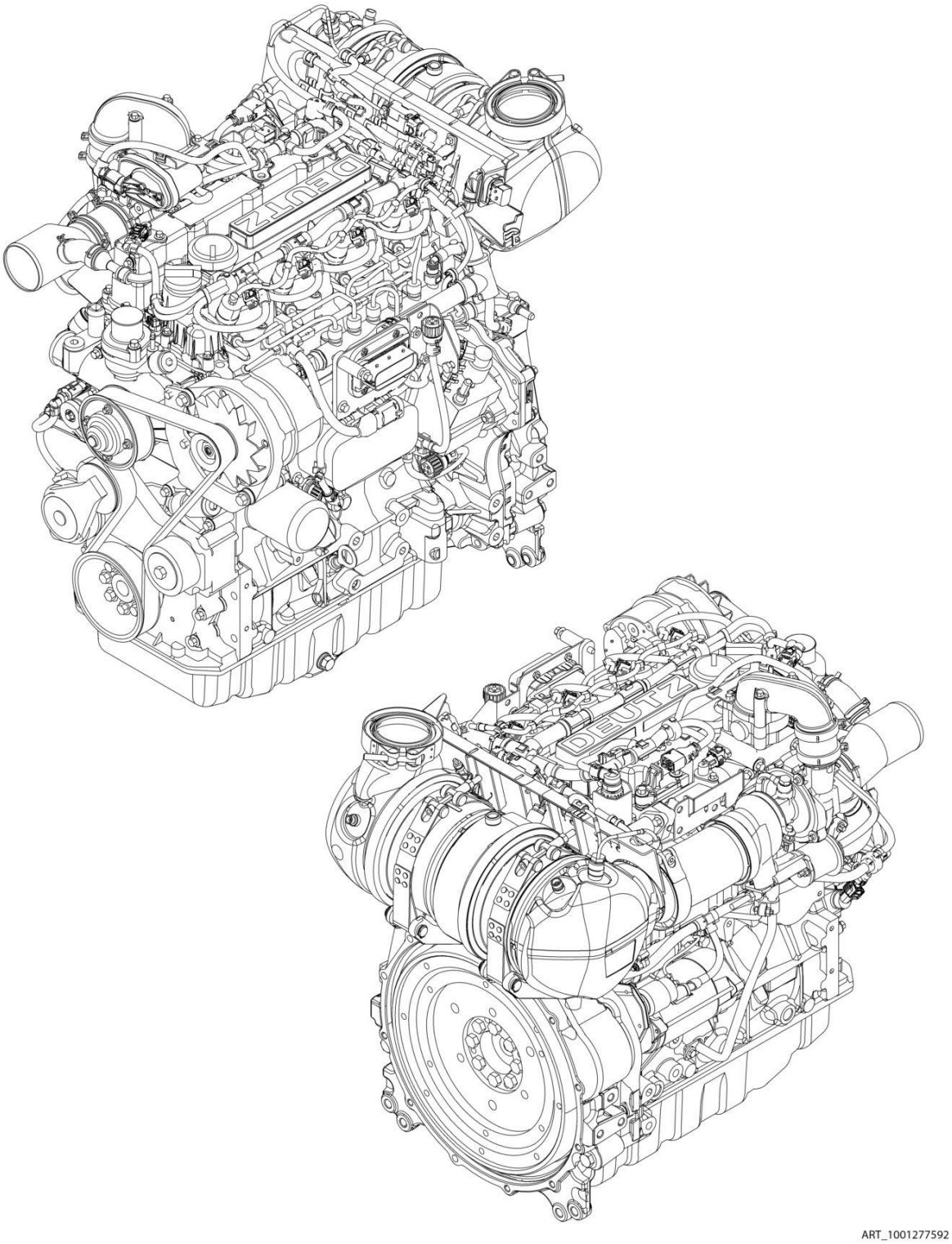


FIGURE 3-30. DEUTZ TD2.9L4 ENGINE COMPONENTS (STAGE V)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277592	Ref	DEUTZ ENGINE COMPONENTS	A
	See Note	Ref	Note: Additional components may be available. Contact JLG Customer Service for more details.	
		Ref	**COOLING SYSTEM COMPONENTS**	
	70031474	1	Cooler, Oil	
	70031388	1	Seal, Oil Cooler	
	70030360	1	Pump, Coolant (Includes Gasket & Sealing Rings)	
	70031055	1	O-Ring, Coolant Pump	
	7020492	1	Seal	
	70007325	1	Gasket	
	70007603	1	Thermostat	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Gasket, Thermostat	
	70025142	1	Cover, Thermostat	
		Ref	**ELECTRICAL SYSTEM COMPONENTS**	
	70024513	1	Sensor, Fuel Filter	
	70024504	1	Sensor, Fuel Pressure (at Fuel Filter) (Includes Seal)	
	70024920	1	Seal	
	70027405	1	Sensor, Temperature	
	70007803	1	Generator (Includes Regulator)	
	70031143	1	Regulator, Voltage	
	70031144	1	Starter	
	70025231	1	Harness, Glow Plug (Not Shown)	
	1001211556	1	Sensor, Temperature 90 (Includes O-Ring)	
	70028540	1	Sensor, Temperature (Includes O-Ring) (in Cylinder Head)	
	70029407	1	Sensor, Pressure (Includes Seal) (On Exhaust Manifold)	
	70024507	1	Sensor, Pressure (Includes O-Ring) (Charge Manifold)	
	70031475	1	Sensor, Temperature (Includes O-Ring) (Charge Manifold)	
	70026210	2	Sensor, Speed (Includes Seal) (Rear of Block & Front Cover)	
		Ref	**Module, Engine Control**	
		Ref	**Harness, Engine**	
	70000345	4	Plug, Glow (Not Shown)	
	70024505	1	Sender, Temperature (Inlet End of Calalyst)	
	70029409	1	Sender, Temperature (Outlet End of Calalyst)	
		Ref	**EXHAUST SYSTEM COMPONENTS**	
	70031136	1	Pipe, Exhaust Recirculation	
	70029557	1	Gasket, Exhaust Recirculation Pipe to Exhaust Manifold (Upper)	
	70007354	1	Gasket, Exhaust Recirculation Pipe (Lower)	
	70025164	1	Gasket, Exhaust Manifold to Head	
	70025130	8	Bolt, Exhaust Manifold	
	70031138	1	Valve, EGR	
	70007326	1	Gasket, EGR Vlave	
	70005504	1	Sensor, Pressure (Exhaust) (includes Seals)	
	70004276	1	Turbocharger	
	70024912	1	Gasket, Turbocharger	
	70008564	1	Catalyst	
	70029520	2	Gasket (on both ends of Catalyst)	
	70029517	2	Clamp (on both ends of Catalyst)	
	70004504	1	Compensator	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70025242	2	Gasket (at Compensator)	
	70030097	1	Clamp (Compensator Engine Side)	
	70030099	1	Clamp (Compensator Catalyst Side)	
		Ref	**FUEL SYSTEM COMPONENTS**	
	1001225430	1	Filter, Fuel (Primary)	
	1001225431	1	Filter, Fuel (Secondary)	
	70030381	1	Pump, Injection/High Pressure (Includes Control Valves, Gasket & O-Rings)	
	70025152	1	O-Ring (Between Pump AND Spacer)	
	70004505	1	Valve, Overflow	
	70004506	1	O-Ring	
	70004507	1	O-Ring	
	70004508	1	Valve, Volume Control	
	70004509	1	O-Ring	
	70004510	1	Gasket	
	70025181	4	Injector, Fuel (Includes O-Ring)	
	70025145	4	O-Ring	
	70008422	1	Pump, Fuel Supply	
	70025144	2	Clamp	
		Ref	**GASKETS & SEAL & KITS (Note: Some components listed with main component)**	
	70005938	1	Gasket Kit	
	70024906	1	Gasket, Head	
	70005171	1	Gasket, Valve Cover	
	70004280	1	Seal, Main (Front)	
	70002718	1	Seal, Main (Rear)	
	70005177	1	Gasket, Air Charge Pipe	
	70005176	1	O-Ring, Air Charge Pipe	
	70008538	2	Gasket, Throttle Valve	
		Ref	**LUBRICATION SYSTEM COMPONENTS**	
	7016331	1	Filter, Oil	
	70024904	1	Dipstick	
	70024905	1	Seal, Dipstick	
	7020465	2	Cap, Filler	
	70005941	2	Plug, Oil Drain	
	70005942	2	Ring, Oil Drain Plug Sealing	
	70005172	1	Pump, Oil Lube (Includes Gasket & O-Ring	
	70005173	1	Gasket	
	70025135	1	O-Ring	
		Ref	**MECHANICAL COMPONENTS**	
	70001870	1	Flywheel (Includes Ring Gear)	
	7024579	1	Gear, Ring	
	70030359	1	Tensioner, Belt (Generator)	
	70027432	1	Idler (Generator Belt)	
	70004277	1	Belt, Generator Drive	

FIGURE 3-31. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA III ENGINES)

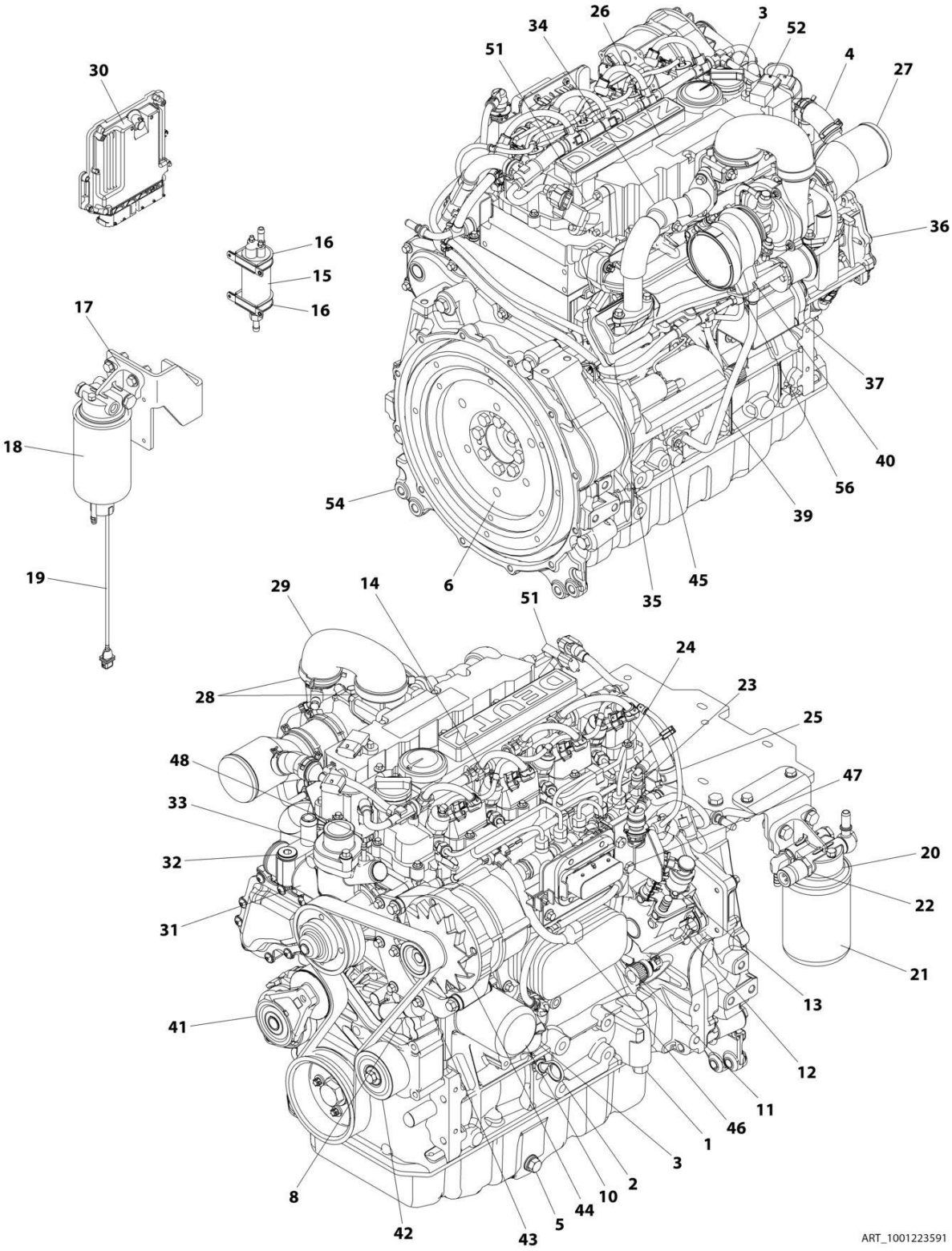


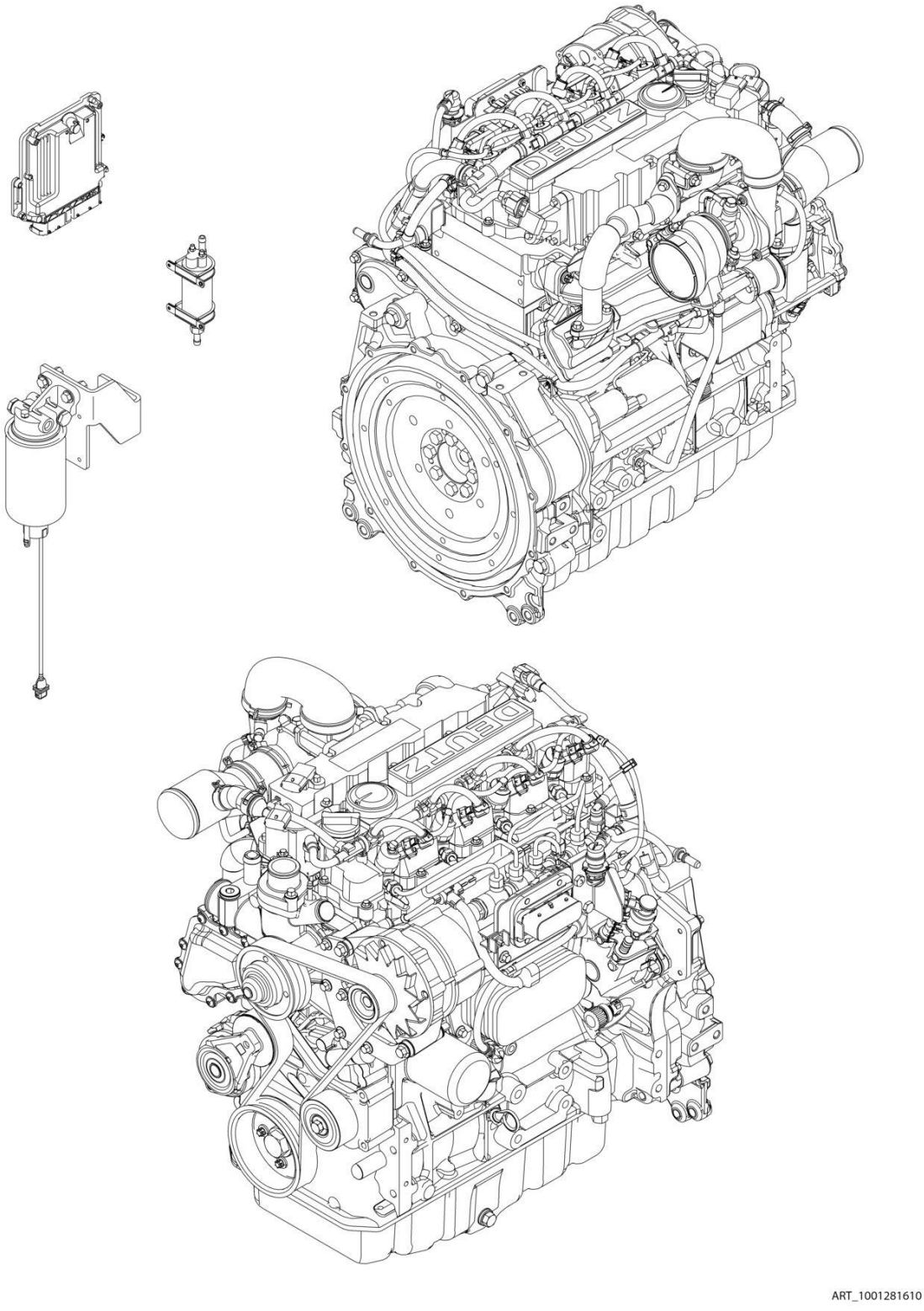
FIGURE 3-31. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA III ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223591	Ref	DEUTZ TD2.9L4 ENGINE COMPONENTS	C
1	70025660	1	Plug	
1	70006264	1	Valve, Plunger	
1	70006265	1	Spring	
1	70006266	1	Seal	
2	70024904	1	Dipstick	
2	70024905	2	Seal	
3	7020465	2	Cap, Fill	
4	70005920	1	Line, Breather	
4	70025111	2	Clamp	
5	70006941	2	Plug	
5	70005942	2	Seal	
6	70001870	1	Flywheel	
6	7024579	1	Ring Gear	
6	70025139	8	Bolt	
7		Ref	Gasket & Seal Options (Not Shown):	
7	70005938	1	Gasket Kit	
7	70024906	1	Gasket, Head	
7	70005922	1	Gasket, Valve Cover	
7	70028185	1	Gasket, Front Cover	
7	70004280	1	Seal, Front Main	
7	70002718	1	Seal, Rear Main	
8	See Note	NSS	Valve, Slide (Note: Not Available for Purchase)	
8	70025082	1	Seal	
9	70005172	1	Pump, Lube (Not Shown - Located RH Rear)	
9	70025135	1	O-Seal	
9	70005173	1	Gasket	
10	7016331	1	Filter, Oil	
11	70024494	1	Cooler, Oil	
11	70024925	1	Gasket, Oil Filter	
12	70024924	1	Pump, High Pressure	
12	70025152	1	Gasket (Spacer to Pump)	
12	70024488	1	Spacer	
12	70024517	1	Gasket (Spacer to Block)	
12	70004505	1	Valve, Overflow	
12	70004506	1	Gasket, Overflow	
12	70004507	1	Gasket, Overflow	
13	70004508	1	Valve, Volume Control	
13	70004509	1	O-Ring	
13	70004510	1	Gasket	
14	70025181	4	Injector	
14	70025140	4	Washer, Sealing	
14	70025146	4	Clamp	
14	70025145	4	O-Seal	
14	70025154	4	Shoe/Pad, Clamping	
15	70006144	NLA	Pump, Fuel Supply (Use p/n 1001226098)	
16	70025144	2	Clip, Clamp	
17	70024961	1	Fuel Filter Assembly	
18	1001225430	1	Element, Filter	
19	70024513	1	Cable, Sensor	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	70025239	1	Seal, Ring	
20	70004511	1	Fuel Filter Assembly	
20	70004513	2	Seal (at Hollow Bolt)	
21	1001225432	1	Element, Filter	
22	70028538	1	Sensor, Pressure	
22	70024920	1	O-Seal	
23	70025151	1	Rail, Fuel	
23	70025235	1	Repair Kit - Fuel Rail	
23	70025240	1	O-Ring	
24	70025182	1	Tube, Fuel - Cylinders 1 & 2	
24	70025183	1	Tube, Fuel - Cylinders 3 & 4	
24	70025184	1	Tube, Fuel	
25	70024502	1	Pipe, Fuel Leakage	
25	70025185	1	Hose, Fuel	
25	70025158	1	Manifold	
25	70025109	2	Clamp, Spring	
25	70025115	1	Clamp	
25	70025133	1	Hose	
25	70025101	2	Clamp	
25	70025148	1	Connector, Plug-in	
26	70005923	1	Manifold, Charger Air	
26	70005177	1	Gasket, Charger Air Manifold	
26	70005924	1	Seal (Manifold to Elbow)	
26	7000180	1	Line, Breather (Not Shown)	
26	70005181	1	O-Seal (Breather to Manifold)	
27	70005926	1	Elbow	
27	70025112	2	Clamp	
27	70004501	1	Sleeve, Rubber	
28	See Note	NSS	Sleeve (Note: Not Available for Purchase)	
28	70025107	2	Clamp	
29	70005928	1	Elbow, Air Charge	
30	70025210	1	Module, ECU	
31	70028802	1	Pump, Coolant	
31	70025200	1	Ring, Sealing (Pump to Block)	
32	70025084	2	Plug	
32	7020492	2	Ring, Sealing	
33	70005929	1	Thermostat	
33	70005184	1	O-Seal (Thermostat to Housing)	
33	70025142	1	Housing, Thermostat	
33	70005931	1	O-Seal (Thermostat to Pump)	
33	70025124	2	Bolt	
34	See Note	NSS	Tube (Note: Not Available for Purchase)	
34	70025179	2	Gasket (at Either End of Tube)	
35	See Note	NSS	Valve, Shuttle (Note: Not Available for Purchase)	
35	70025180	1	Gasket	
35	See Note	NSS	Housing, Shuttle Valve (Note: Not Available for Purchase)	
35	70025175	1	Cap, Shuttle Valve	
36	70025203	1	Module, EGR	
36	70025155	1	Plug (Not Shown)	
37	70005188	1	Valve, EGR Control	
37	70005189	1	Seal (Valve to Module)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
38	70004282	1	Manifold, Exhaust (Not Shown)	
38	70025164	1	Gasket, Manifold to Head (Not Shown)	
38	70025130	8	Bolt, Manifold (Not Shown)	
38	70026995	1	Elbow, Exhaust (Not Shown)	
38	70025179	2	Gasket, Manifold to Elbow (Not Shown)	
39	70005932	1	Tube, Oil Return	
39	70025132	1	O-Seal	
40	70004276	1	Turbocharger	
40	70024509	1	Gasket (Turbocharger to Oil Return Tube Housing)	
40	1001191599	1	Gasket (Turbocharger to Exhaust)	
41	70025477	1	Tensioner, Belt	
42	70024484	1	Roller, Idler	
43	70004277	1	Belt	
44	70025733	1	Pulley, Alternator	
44	70006652	1	Alternator	
44	70006653	1	Controller	
44	See Note	NSS	Fan (Note: Not Available for Purchase)	
45	70024915	1	Starter	
45	70005647	1	Switch, Solenoid	
45	70005648	1	Relay	
46	70000345	4	Glow Plug	
46	70025231	1	Harness, Glow Plug	
46	70025233	1	Connector, Plug-in	
47	70025077	1	Harness, Engine	
48	70024918	1	Sender, Temperature	
49	70028538	1	Sensor, Pressure (Not Shown - RH Front)	
49	70024920	1	O-Seal	
50	70026210	1	Sensor, Speed (Not Shown - Front)	
50	70005191	1	Ring, Seal	
51	70024507	1	Sensor, Pressure	
51	70025120	1	O-Seal	
51	70005933	1	Adapter	
51	70005934	1	O-Seal	
52	70024922	1	Sender, Temperature	
52	70025212	1	O-Seal	
53	70026210	1	Sensor, Speed (Not Shown - Front)	
53	70024917	1	O-Seal	
54	70025192	1	Housing	
56	70005527	1	Clip	

FIGURE 3-32. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA IV ENGINES)



ART_1001281610

FIGURE 3-32. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA IV ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281610	Ref	DEUTZ TD2.9L4 ENGINE COMPONENTS	A
	See Note	Ref	Note: No Service Parts Available at Time of Printing	

FIGURE 3-33. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES)

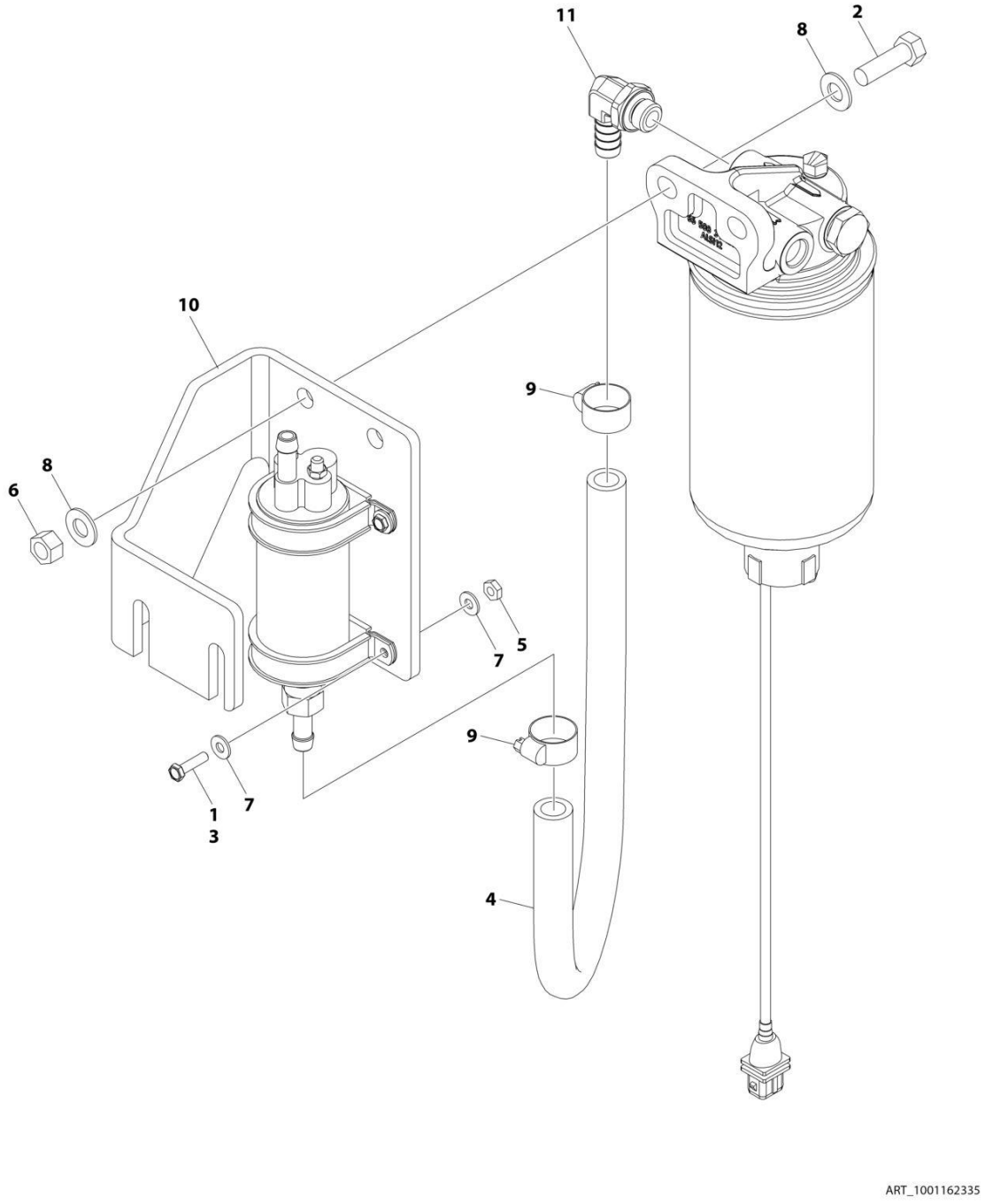


FIGURE 3-33. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES)

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

FIGURE 3-34. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 (STAGE V) ENGINES)

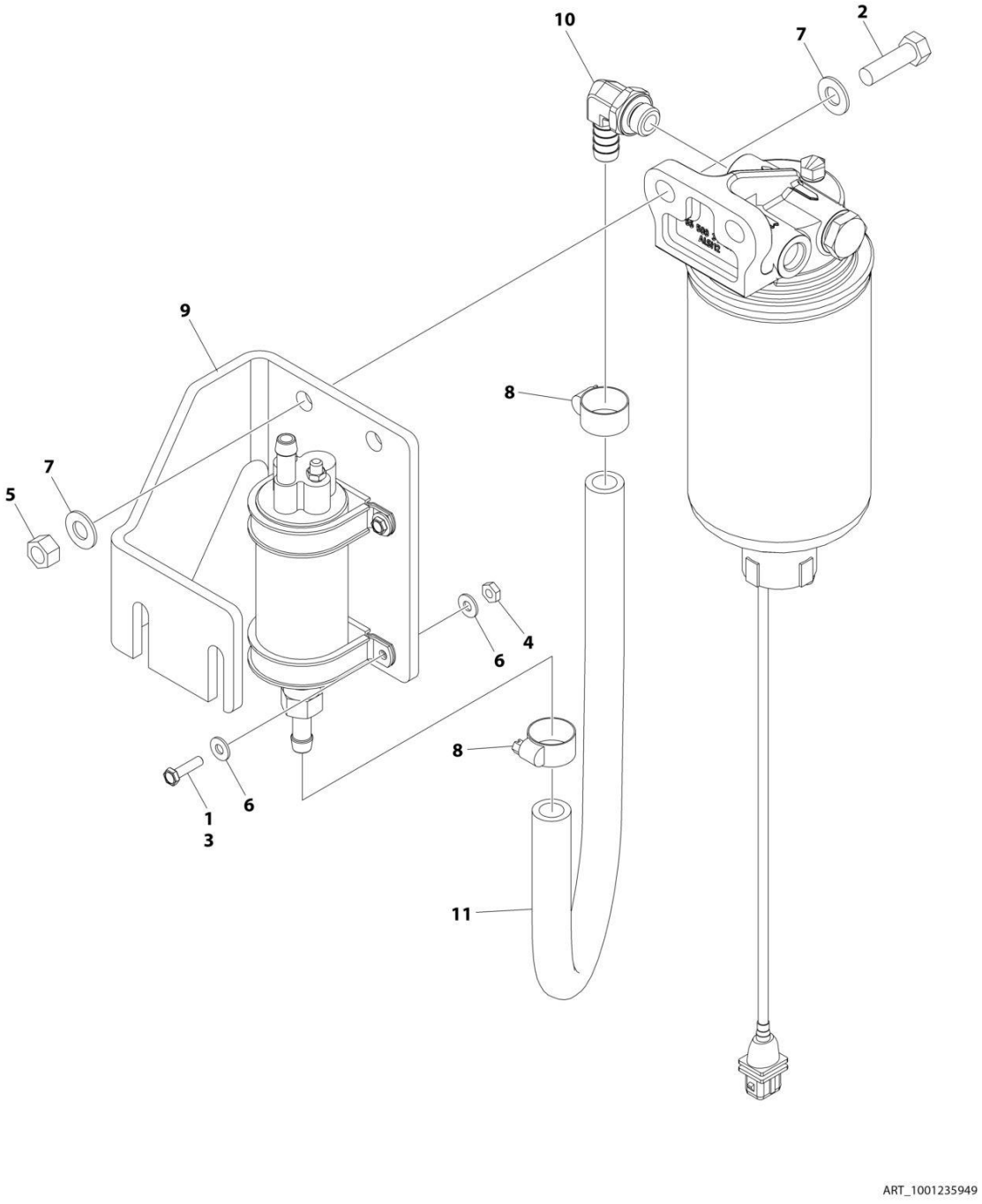


FIGURE 3-34. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 (STAGE V) ENGINES)

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 3-35. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) (CHINA III & CHINA IV ENGINES) (Prior to SN B300017849)

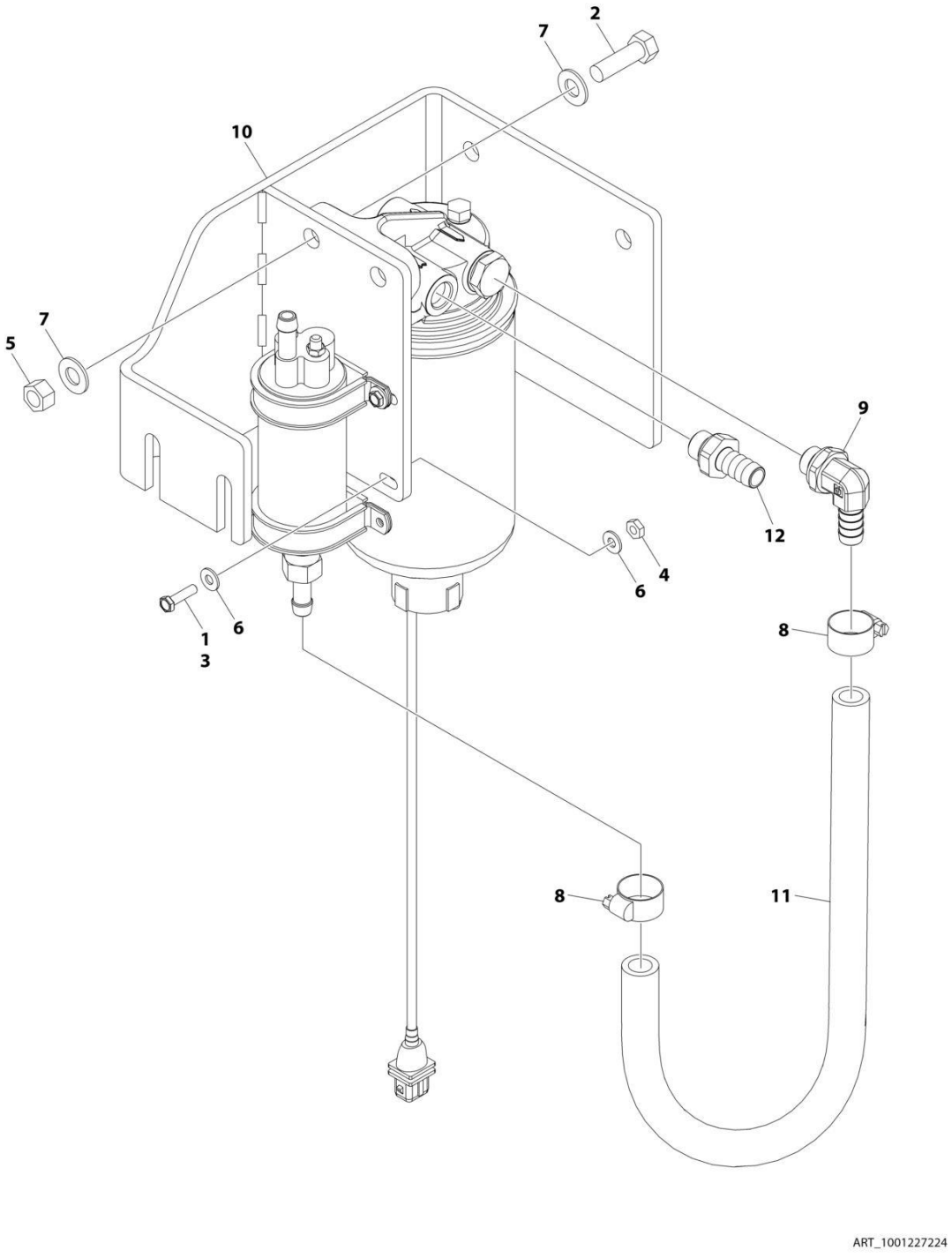


FIGURE 3-35. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) (CHINA III & CHINA IV ENGINES) (Prior to SN B300017849)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227224	Ref	BRACKET ASSEMBLY (LESS FUEL PUMP AND FILTER)	D
1	0100011	AR	Locking, Compound	
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	1001142501	1	Fitting, 90 Metric/Barbed	
10	1001226285	1	Plate, Fuel Pump Mount	
11	1001154405	AR	Hose	
12	1001141718	1	Fitting, Straight (Not Shown)	

FIGURE 3-36. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) (CHINA III & CHINA IV ENGINES) (SN B300017849 to Present)

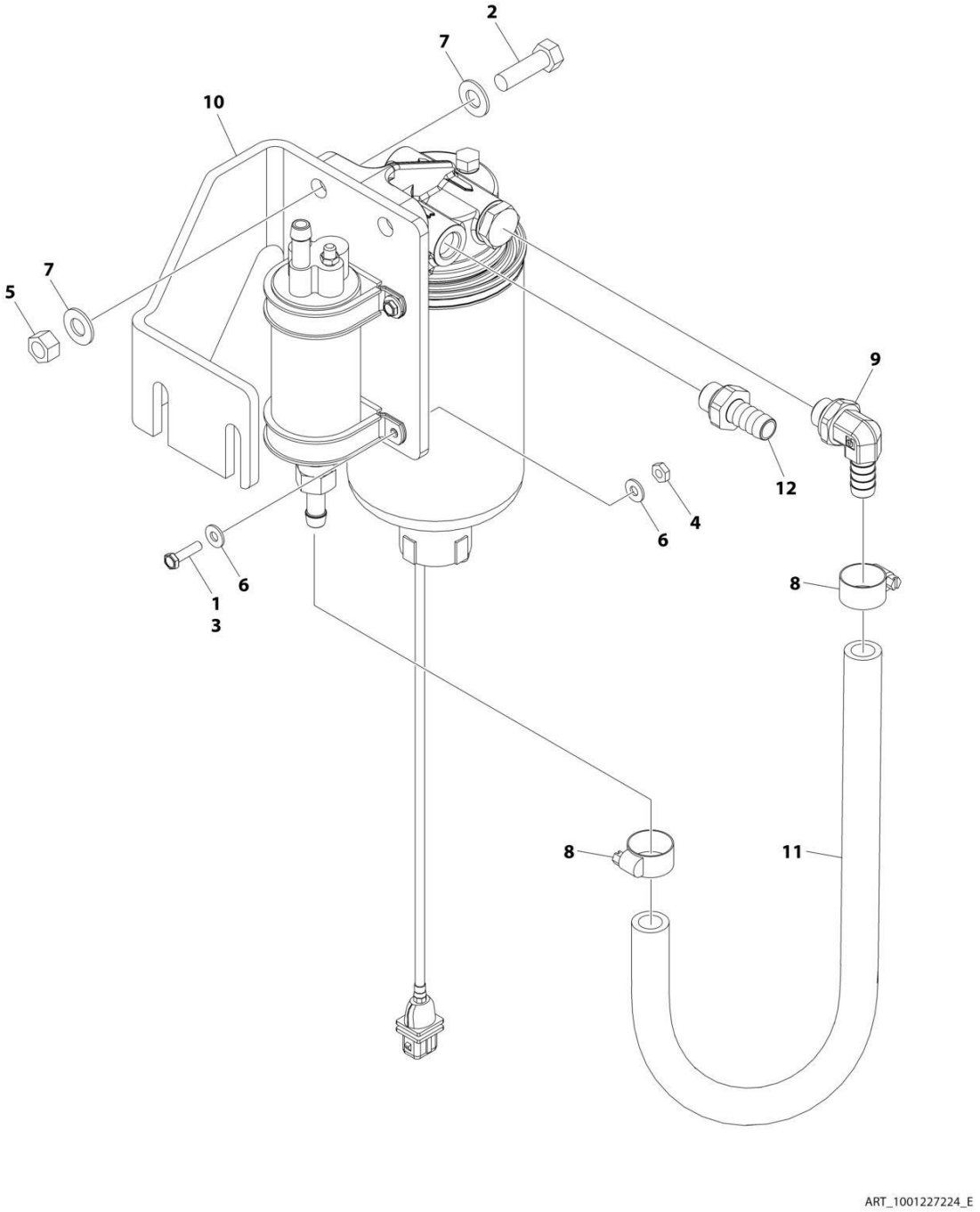


FIGURE 3-36. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) (CHINA III & CHINA IV ENGINES) (SN B300017849 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227224	Ref	BRACKET ASSEMBLY (LESS FUEL PUMP AND FILTER)	E
1	0100011	AR	Locking, Compound	
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	1001142501	1	Fitting, 90 Metric/Barbed	
10	1001141870	1	Plate, Fuel Pump Mount	
11	1001154405	AR	Hose	
12	1001141718	1	Fitting, Straight (Not Shown)	

FIGURE 3-37. BREATHER HEATER INST (DEUTZ TD2.9L4 ENGINES)

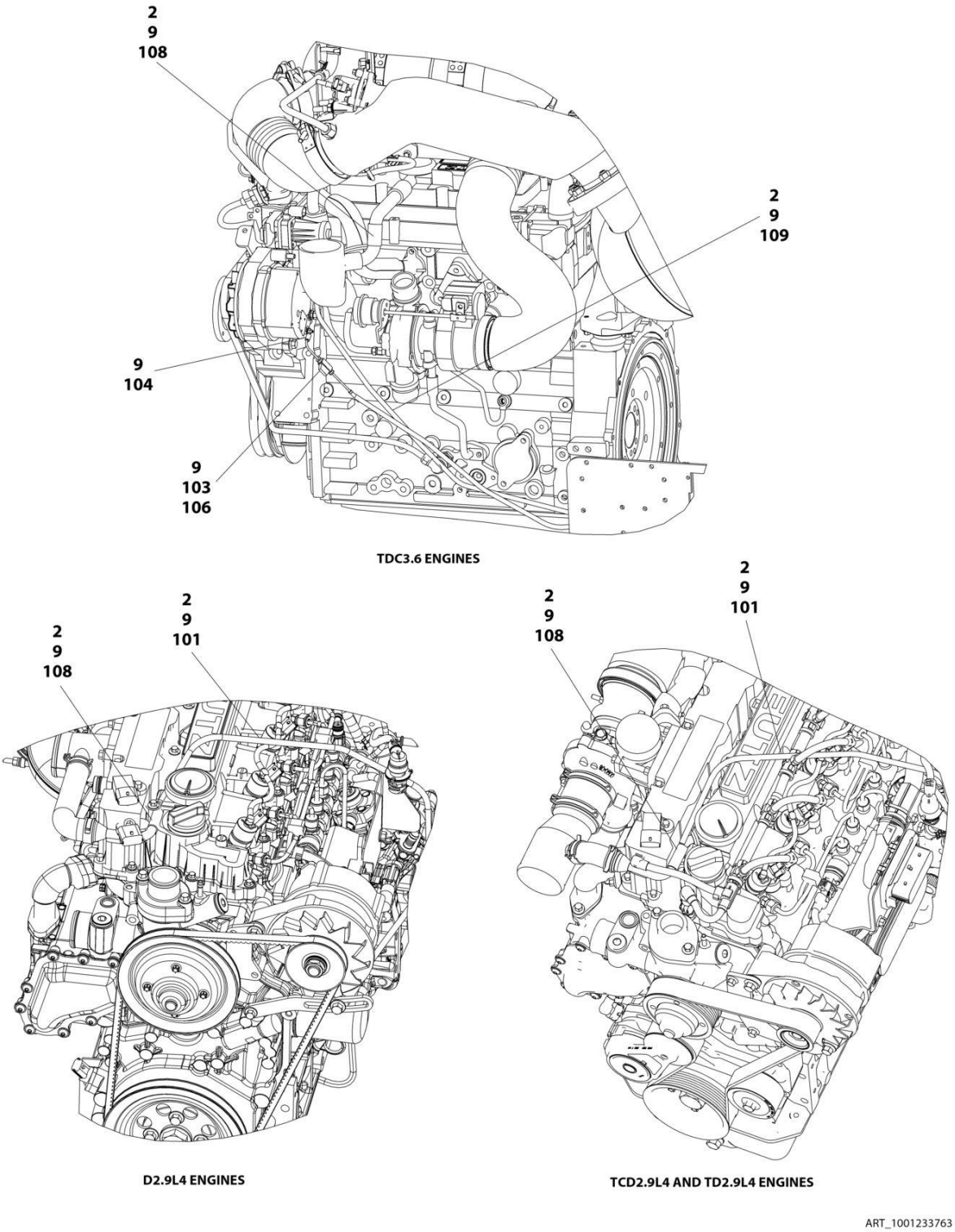
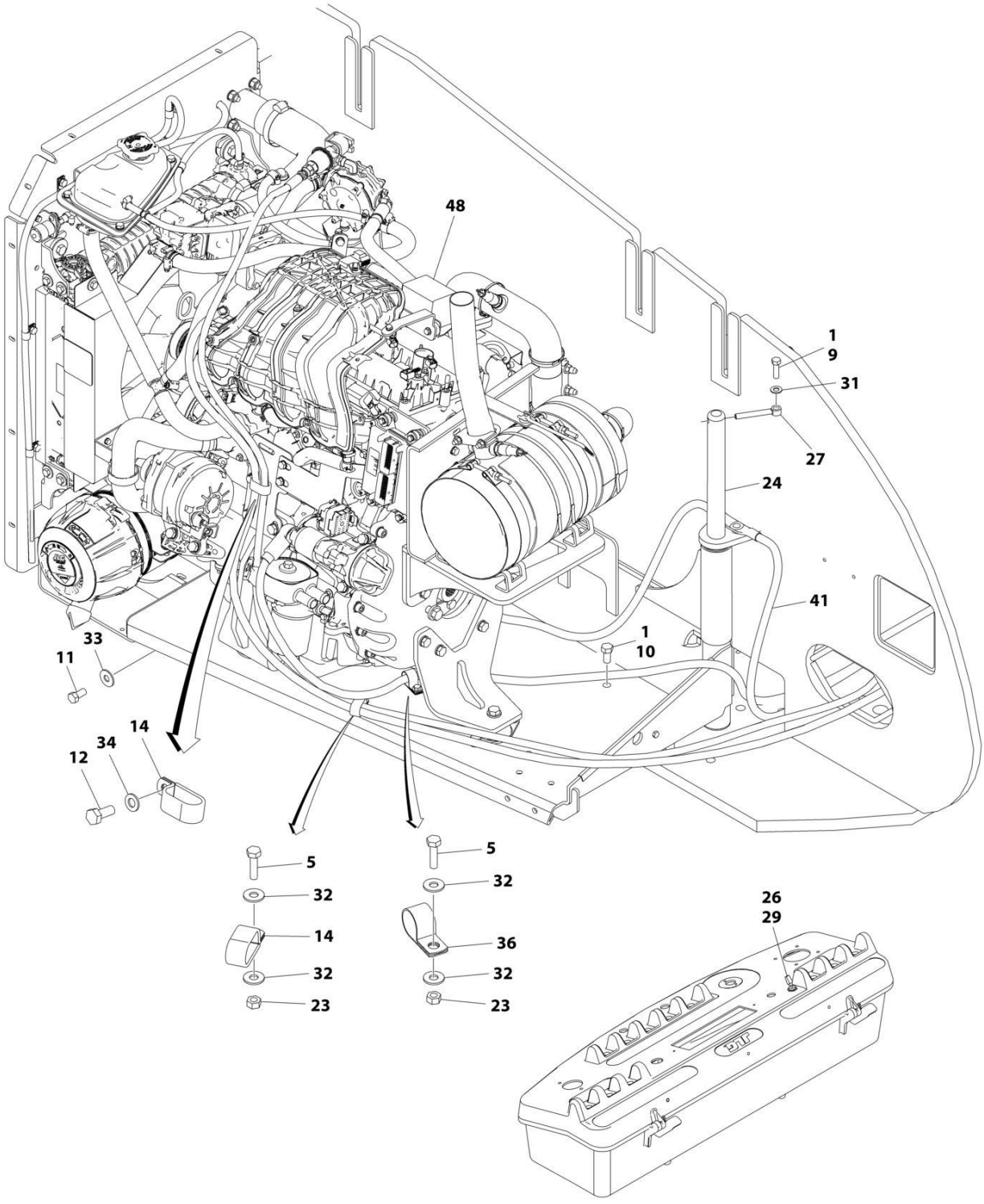
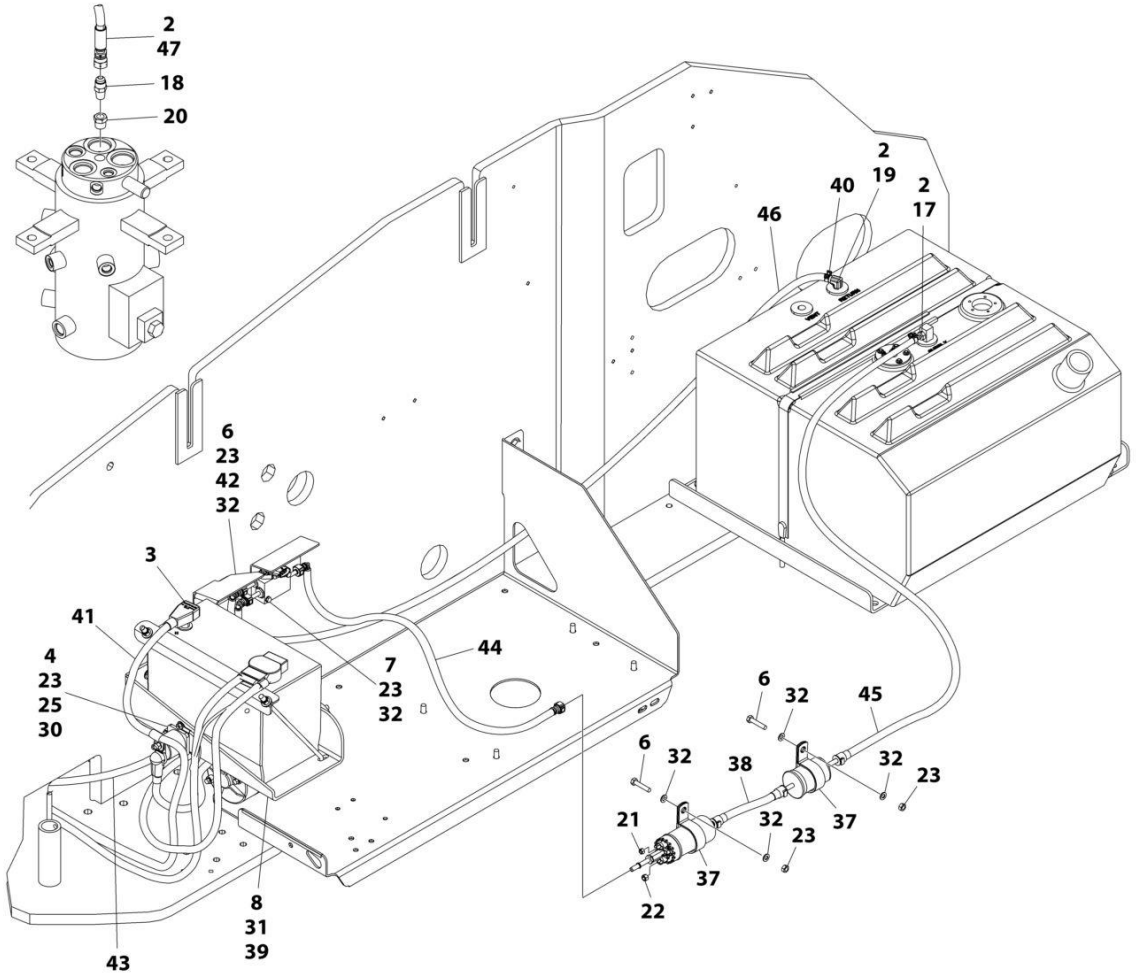


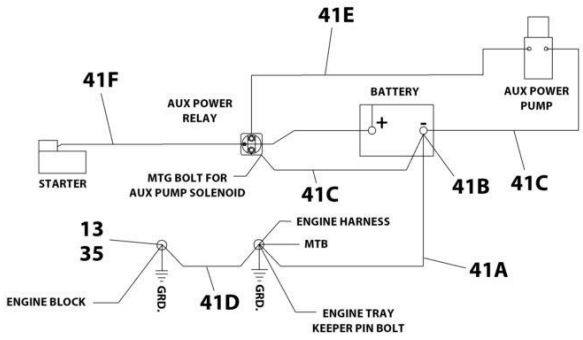
FIGURE 3-37. BREATHER HEATER INST (DEUTZ TD2.9L4 ENGINES)

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

FIGURE 3-38. FORD ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)







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FIGURE 3-38. FORD ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285038	Ref	FORD ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100048	AR	Grease, Terminal	
4	0641406	2	Bolt 1/4 x 3/4	
5	0641408	2	Bolt 1/4 x 1	
6	0641412	4	Bolt 1/4 x 1-1/2	
7	0641420	2	Bolt 1/4 x 2-1/2	
8	0641607	3	Bolt 3/8 x 7/8	
9	0641610	1	Bolt 3/8 x 1-1/4	
10	0641808	1	Bolt 1/2 x 1	
11	0642010	1	Bolt 5/8 x 1-1/4	
12	0760810	1	Bolt M8 x 20	
13	0761008	1	Bolt M10 x 16	
14	1321283	2	Clamp	
15	1701542	1	Decal - Gas (Not Shown)	
16	1701543	AR	Decal - LPG (Not Shown)	
17	2180348	1	Fitting, Straight NPT/Barbed	
18	2180418	1	Fitting, Straight	
19	2221176	1	Fitting, 90	
20	2221197	1	Fitting, Straight NPT	
21	3290405	1	Nut M4	
22	3290505	1	Nut M5	
23	3311405	10	Nut 1/4	
24	3422446	1	Pin	
25	3740067	1	Relay	
26	3790012	1	O-Ring (Not Shown - Located on Platform Console Box)	
27	3841143	1	Keeper, Pin	
28	4240099	AR	Tie-Strap (Not Shown)	
29	4360336	1	Switch, Toggle (Not Shown - Located on Platform Console Box)	
30	4711400	4	Washer 1/4	
31	4711600	4	Washer 3/8	
32	4751400	16	Washer 1/4	
33	4752000	1	Washer 5/8	
34	4811900	1	Washer M8	
35	4812000	1	Washer M10	
36	8406201	1	Clip	
37	85941018	2	Clamp	
38	1001156823	1	Hose	
39	1001162497	1	Bracket, Battery	
40	1001174486	2	Clamp	
41	1001216568	1	Battery Cable Kit	
41A	7027084	1	Cable, Battery - Ground to Battery -	
41B	8270147	1	Terminal, Battery with Boot	
41C	7027085	1	Cable, Battery - Auxiliary Pump/Relay to Battery -	
49D	7027086	1	Cable, Battery - Engine to Ground	
41E	7027088	1	Cable, Battery - Auxiliary Relay to Auxililary Pump	
41F	70009020	1	Cable, Battery - Starter/Auxiliary Relay to Battery +	
42	1001219370	1	Bracket	
43	1001219634	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001219636	1	Hose	
45	1001219637	1	Hose	
46	1001219638	1	Hose	
47	1001219639	1	Hose	
48	1001285037	Ref	Ford Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	

FIGURE 3-39. FORD ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

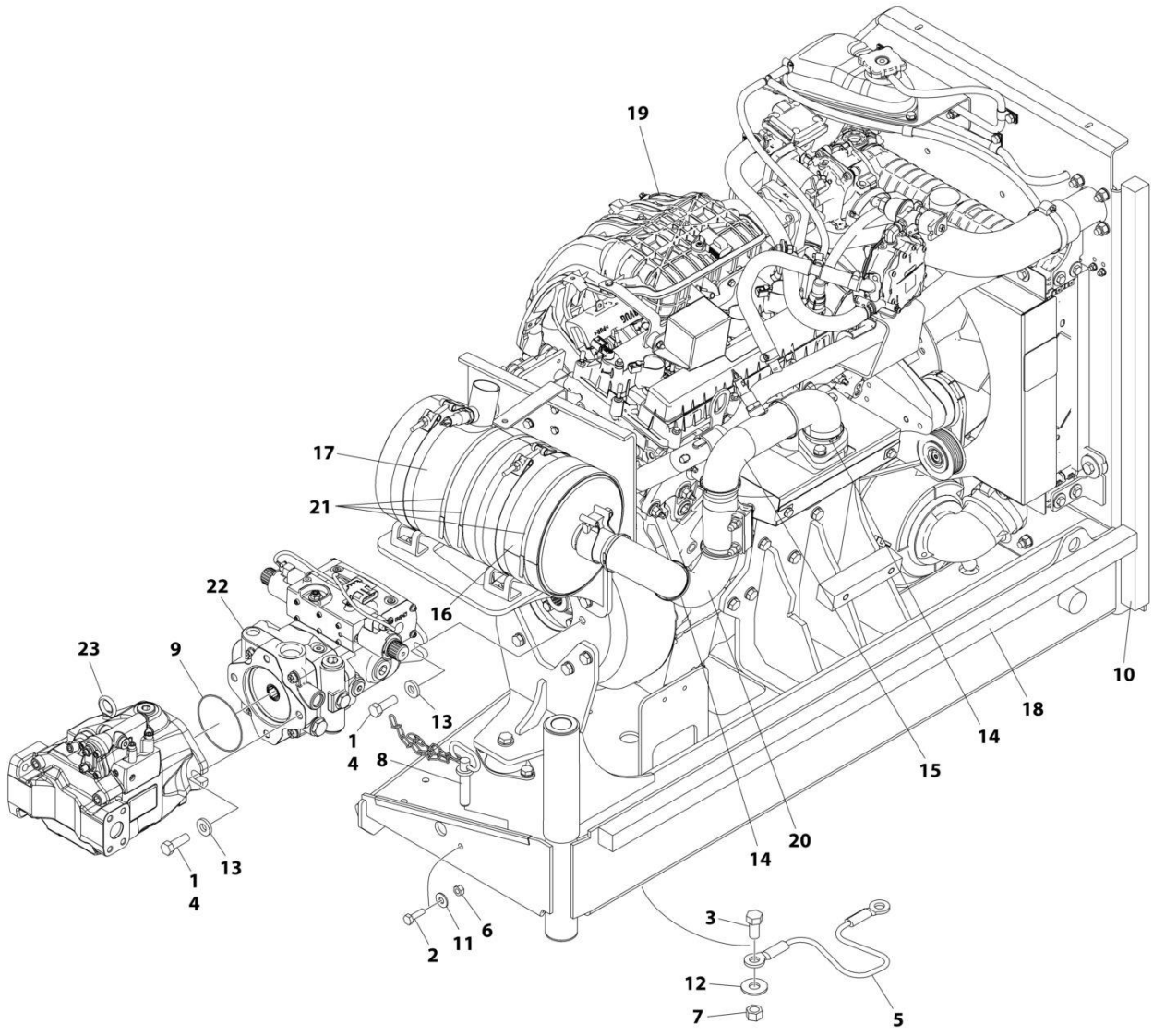
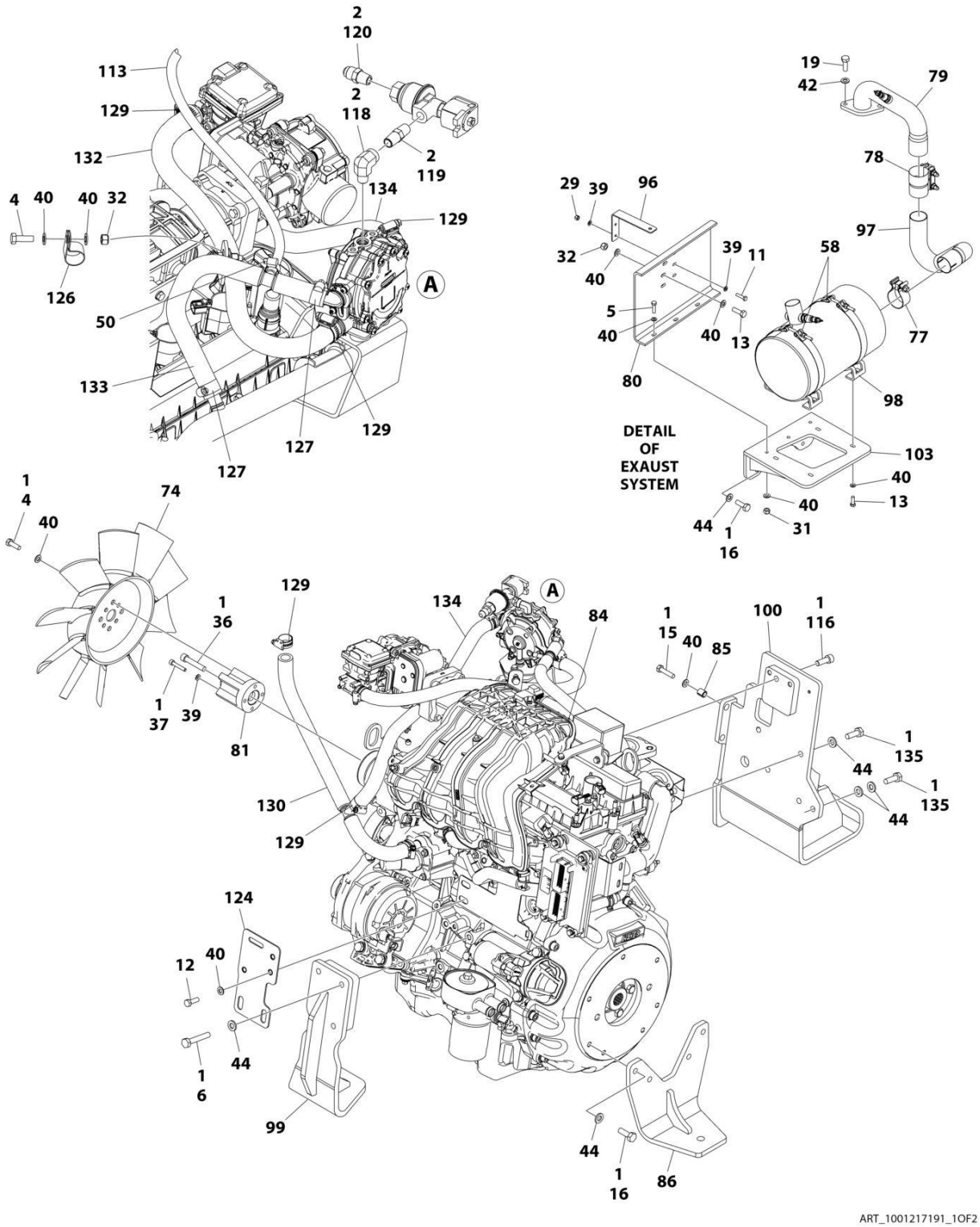


FIGURE 3-39. FORD ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285037	Ref	FORD ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)	A
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	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	3422532	1	Pin	
9	3790044	1	O-Ring	
10	3960469	1	Seal	
11	4751400	1	Washer 1/4	
12	4751800	1	Washer 1/2	
13	4891800	4	Washer 1/2	
14	1001100825	6	Strap	
15	1001216532	1	Insulate, Exhaust Pipe	
16	1001216534	1	Insulate, Muffler	
17	1001216535	1	Insulate, Muffler	
18	1001217170	1	Seal	
19	1001217191	1	Ford Engine Assembly without Arctic Package (See Separate Breakdown in this Section)	
20	1001218085	1	Insulate, Exhaust Pipe	
21	1001221464	3	Strap	
22	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
23	1001276377	1	Variable Pump Assembly (See Separate Breakdown in this Section)	

FIGURE 3-40. FORD ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)



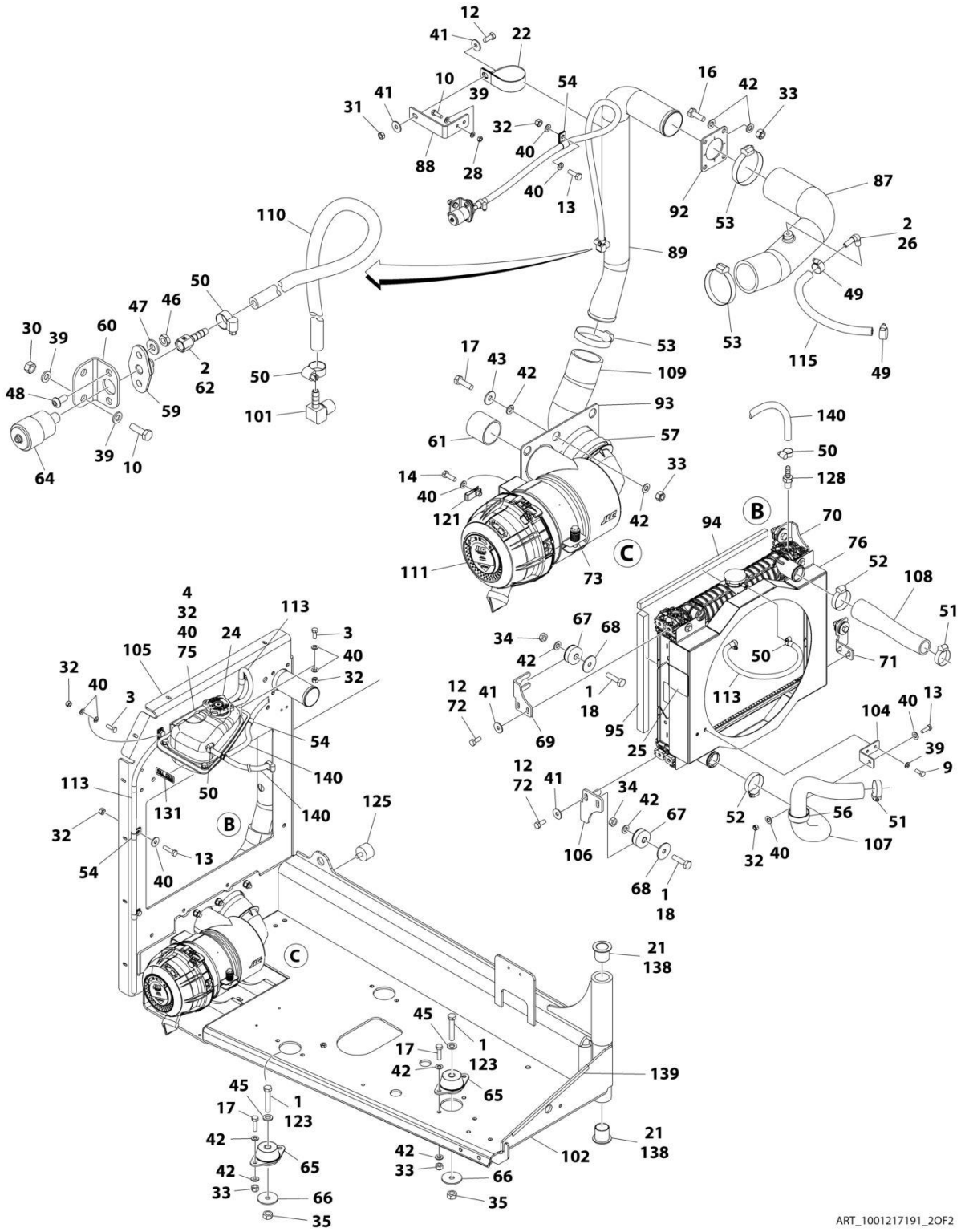

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FIGURE 3-40. FORD ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217191	Ref	FORD ENGINE ASSEMBLY	S
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0700810	3	Bolt 8 x 20	
4	0700812	7	Bolt 8 x 25	
5	0700814	3	Bolt 8 x 30	
6	0711020	3	Bolt M10 x 60	
9	0760608	2	Bolt 6 x 16	
10	0760610	4	Bolt M6 x 20	
11	0760612	2	Bolt 6 x 25	
12	0760810	11	Bolt M8 x 20	
13	0760812	12	Bolt M8 x 25	
14	0760814	2	Bolt M8 x 30	
15	0760815	2	Bolt M8 x 35	
16	0761014	11	Bolt M10 x 30	
17	0761015	12	Bolt M10 x 35	
18	0761016	4	Bolt M10 x 40	
19	0771014	2	Bolt 10 x 30	
21	0961986	2	Bearing, Flange	
22	1320110	1	Clamp	
23	1001187781	1	Tie-Strap (Not Shown)	
24	1001223584	1	Tank, Surge	
25	1703162	2	Decal - Fan Blade	
26	2180467	1	Fitting, Straight NPT/Barb	
28	3290601	2	Nut M6	
29	3290605	2	Nut M6	
30	3290607	2	Nut M6	
31	3290801	4	Nut M8	
32	3290805	14	Nut M8	
33	3291005	16	Nut M10	
34	3291001	4	Nut M10	
35	3291201	3	Nut M12	
36	3931644	1	Screw 3/8 x 2-3/4	
37	4031711	4	Capscrew M6 x 35	
38	4240099	AR	Tie-Strap (Not Shown)	
39	4811700	18	Washer M6	
40	4811900	48	Washer M8	
41	4811902	10	Washer M8	
42	4812000	38	Washer M10	
43	4812002	6	Washer M10	
44	5241000	15	Washer M10	
45	5241200	3	Washer M12	
46	8305401	2	Nut Jam	
47	8307109	2	Washer	
48	8310548	2	Screw 1/4 x 1/2	
49	8405006	2	Clamp	
50	8405009	5	Gear	
51	8405102	2	Clamp	
52	8405104	2	Clamp	
53	8405203	3	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	8406109	6	Clip	
56	8410001	1	Clamp	
57	8410011	1	Clamp	
58	1001128901	2	Strap	
59	1001138173	1	Support	
60	1001138175	1	Bracket	
61	1001141585	1	Hose	
62	1001141995	2	Fitting, Straight NPT/Barbed	
64	1001149639	1	Indicator, Restriction	
65	1001191610	3	Mount, Motor	
66	1001168018	3	Washer	
67	1001169054	4	Isolator	
68	1001169138	4	Pad, Snubbing	
69	1001169967	1	Bracket	
70	1001170035	1	Bracket	
71	1001176329	1	Bracket	
72	1001180620	AR	Adhesive	
73	1001186426	1	Clamp	
74	1001223042	1	Fan	
75	1001225442	1	Bracket	
76	1001223923	1	Radiator	
77	1001215681	1	Clamp	
78	1001215974	1	Clamp	
79	1001216075	1	Pipe, Exhaust	
80	1001216092	1	Shield, Heat	
81	1001216201	1	Adapter	
84	1001216910	1	Ford Engine Prep Assembly (See Separate Breakdown in this Section)	
85	1001216919	2	Sleeve	
86	1001290252	1	Mount, Engine Rear	
87	1001217032	1	Tube	
88	1001217046	1	Bracket	
89	1001217090	1	Tube	
92	1001217174	1	Seal	
93	1001217175	1	Seal	
94	1001217183	2	Seal	
95	1001217185	2	Seal	
96	1001217186	1	Support	
97	1001217317	1	Pipe	
98	1001217543	2	Mount	
99	1001218362	1	Mount	
100	1001218449	1	Bracket	
101	1001134488	1	Fitting	
102	1001219259	1	Support	
103	1001219345	1	Muffler	
104	1001219361	1	Support	
105	1001219363	1	Plate	
106	1001219480	1	Bracket	
107	1001219611	1	Hose	
108	1001219612	1	Hose	
109	1001219613	1	Tube	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
110	1001138248	31 in/ 77cm	Tube	
111	1001189979	1	Air Filter Assembly	
111	70005008	1	Element, Filter - Primary	
111	70006460	1	Element, Filter -Secondary	
111	8273291	1	Valve, Dust Evacuator	
111	70006461	1	Cover	
113	2720058	55 in/ 1.5m	Hose	
115	1001165035	10 26cm	Hose	
116	5272010	1	Bolt M10 x 30	
118	1001247359	1	Fitting, 90 FSNPSM/NPTF	
119	2220261	1	Fitting	
120	2180418	1	Fitting	
121	1001221615	2	Nut M8	
123	0711223	3	Bolt 12 x 75	
124	1001222033	1	Plate	
125	0940070	1	Bumper	
126	8406201	1	Clip	
127	8410009	2	Gear Clamp	
128	2180348	1	Fitting	
129	1001173535	6	Clamp	
130	1001224489	1	Hose	
131	1001225510	1	Decal	
132	1001216531	1	Hose	
133	1001227666	1	Hose	
134	1001224486	1	Hose	
135	0711014	5	Bolt 10 x 30	
138	0100062	AR	Compound Locking	
139	4060805	16 in/ 41cm	Shield	
140	1001227667	1	Hose	
141	1001303818	1	Washer M10	

FIGURE 3-41. FORD ENGINE PREP ASSEMBLY

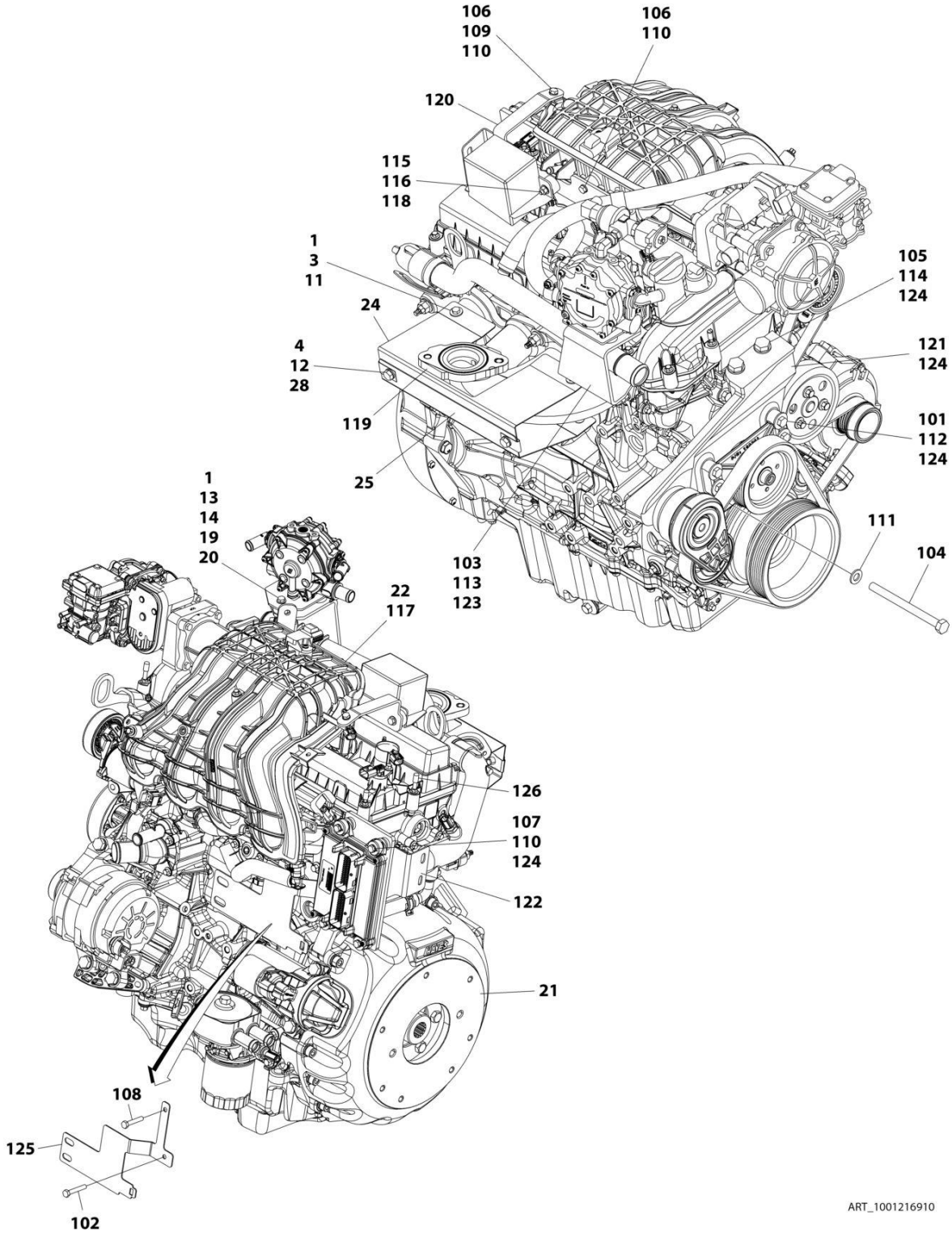


FIGURE 3-41. FORD ENGINE PREP ASSEMBLY

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 BRACKETS AND EXHAUST MANIFOLD INSTALLATION

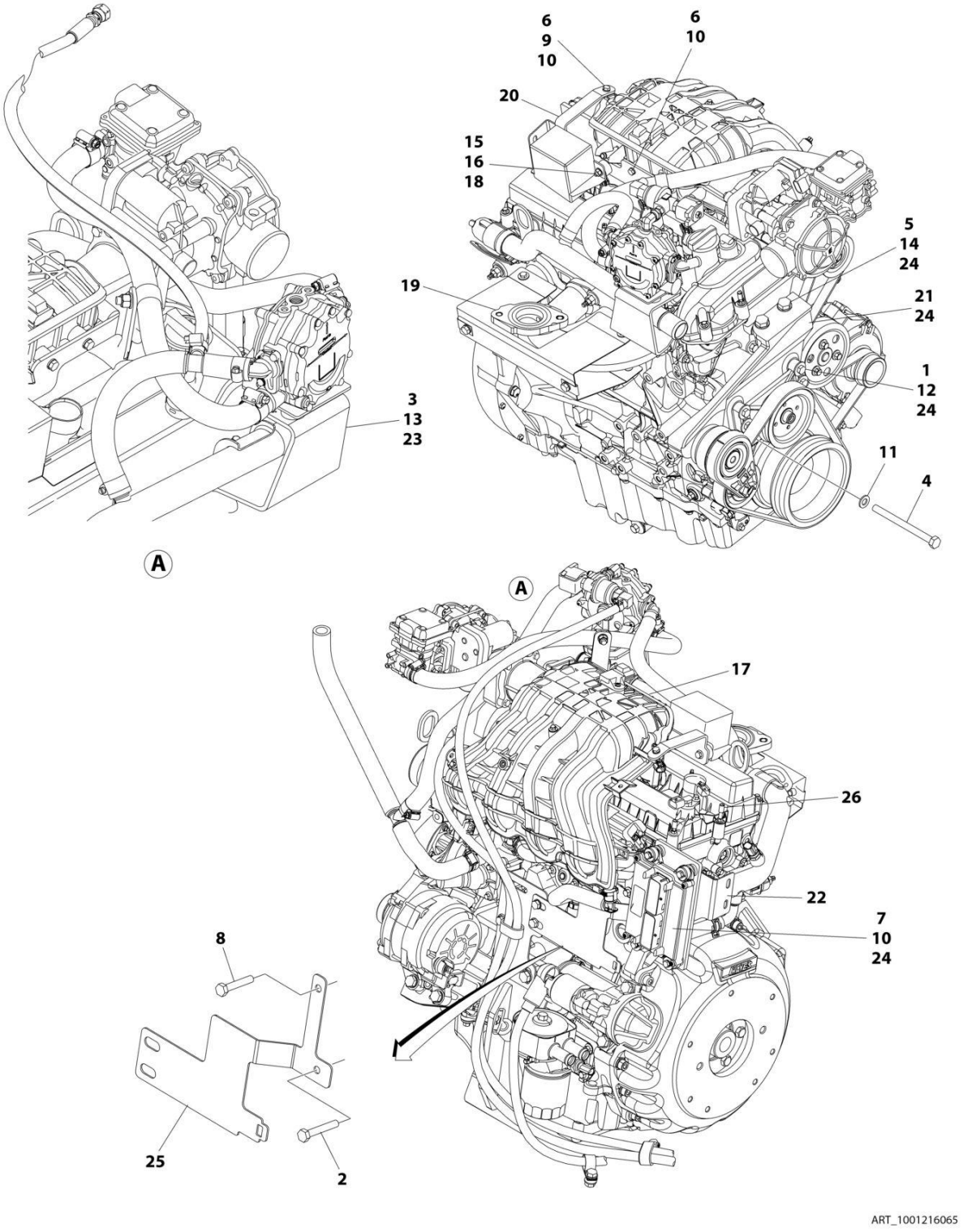


FIGURE 3-42. FORD ENGINE BRACKETS AND EXHAUST MANIFOLD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216065	Ref	FORD ENGINE ASSEMBLY - BRACKETS/EXHAUST MANIFOLD	N
1	0700816	4	Bolt M8 x 40	
2	0700818	1	Bolt M8 x 50	
3	0701014	2	Bolt M10 x 30	
4	0710827	1	Bolt M8 x 100 Grade 10.9	
5	0711216	2	Bolt M12 x 40	
6	0760610	3	Bolt M6 x 20	
7	0760615	4	Bolt M6 x 35	
8	0760817	1	Bolt M8 x 45	
9	3290601	1	Nut M6	
10	4811700	8	Washer M6	
11	4811900	1	Washer M8	
12	4811902	4	Washer M8	
13	4812000	1	Washer M10	
14	4812100	2	Washer M12	
15	5250605	2	Bolt M6 x 10	
16	5260600	2	Nut M6 Class 10	
17	1001210448	1	Engine, Ford 2.5L (See Separate Breakdown in this Section)	
18	1001211794	2	Mount	
19	1001214827	1	Manifold, Exhaust	
20	1001215384	1	Bracket	
21	1001216071	1	Bracket	
22	1001216144	1	Support, Muffler	
23	1001227772	1	Mount, Vaporizer	
24	0100011	AR	Compound, Locking	
25	1001221545	1	Plate	
26	1001222641	6	Cap	

FIGURE 3-43. FORD ENGINE DRIVE BELT INSTALLATION (MACHINES WITHOUT GENERATOR)

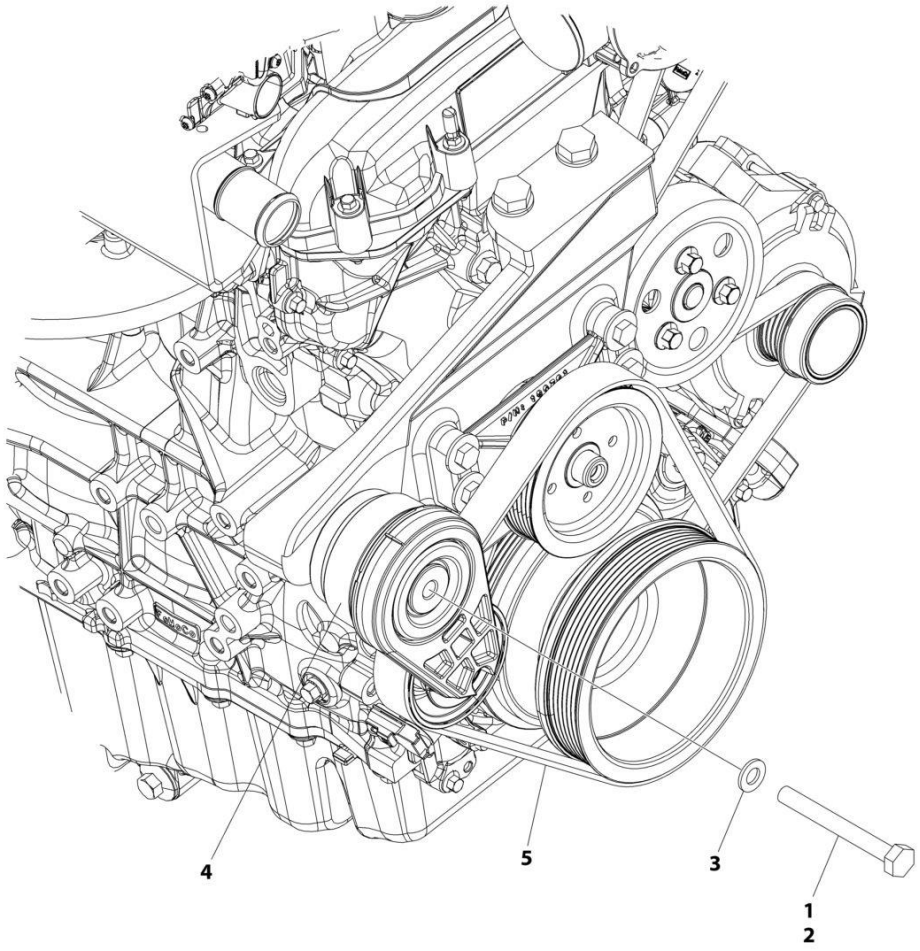


FIGURE 3-43. FORD ENGINE DRIVE BELT INSTALLATION (MACHINES WITHOUT GENERATOR)

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. FORD ENGINE COMPONENTS

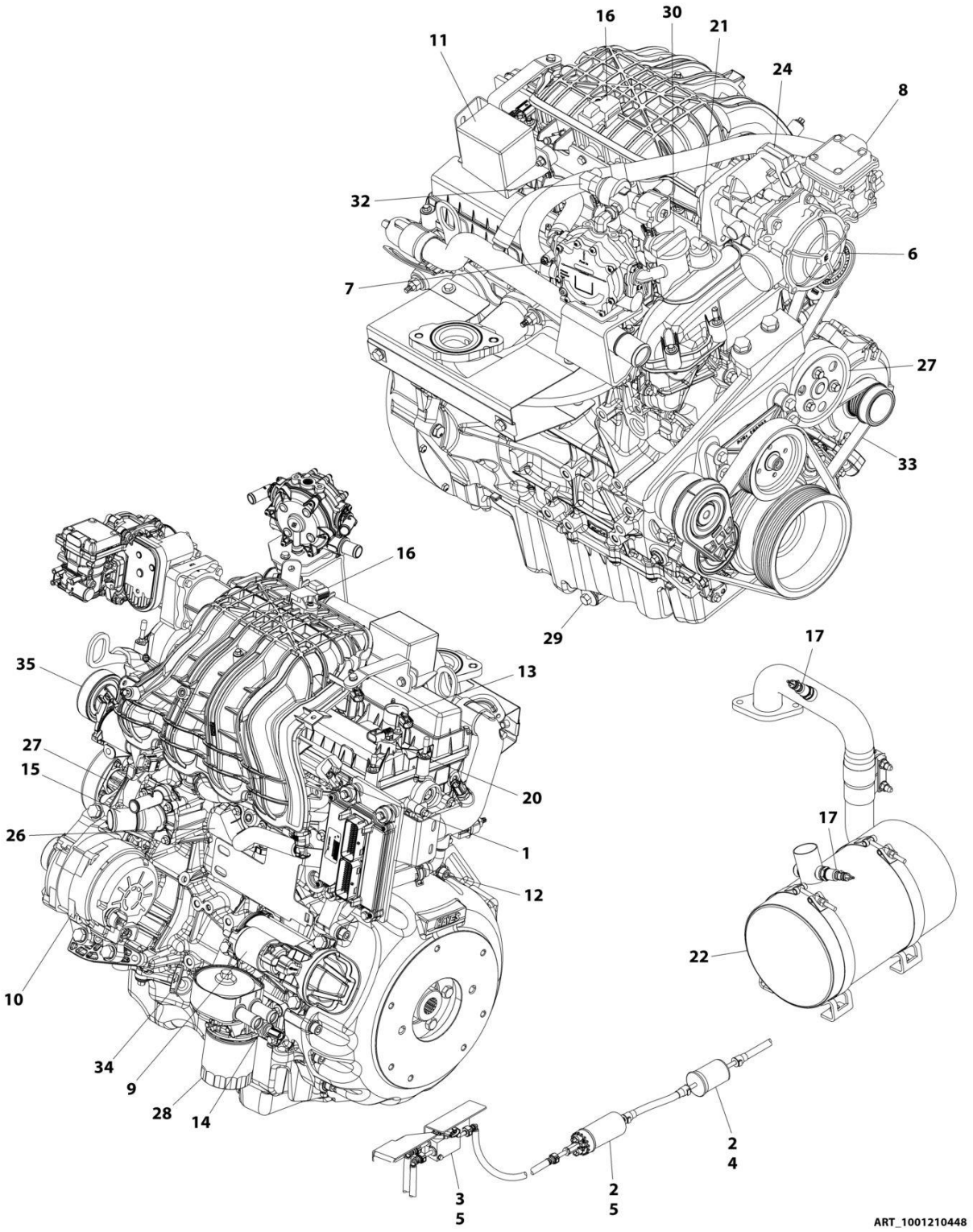


FIGURE 3-44. FORD ENGINE COMPONENTS

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 3-45. PUMP COUPING KIT (DEUTZ ENGINES)

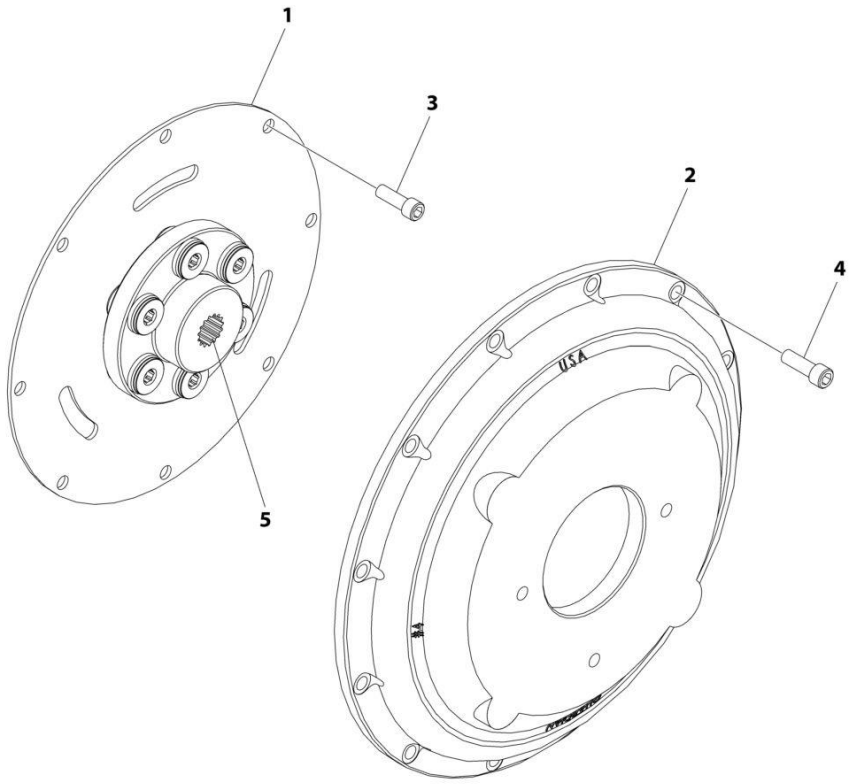


FIGURE 3-45. PUMP COUPING KIT (DEUTZ ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153282	Ref	PUMP COUPLING KIT	E
1	70004183	1	Coupling Guardian	
2	See Note	NSS	Plate, Pump Adapter (Note: Use p/n 1001153282)	
3	See Note	8	Capscrew M10 x 20 Grade 10.9 (Note: Not Available - Purchase Locally or Purchase Kit)	
4	See Note	12	Capscrew M10 x 25 Grade 10.9 (Note: Not Available - Purchase Locally or Purchase Kit)	
5	3020021	AR	Grease, Coupling	

FIGURE 3-46. HYDROSTATIC PUMP ASSEMBLY

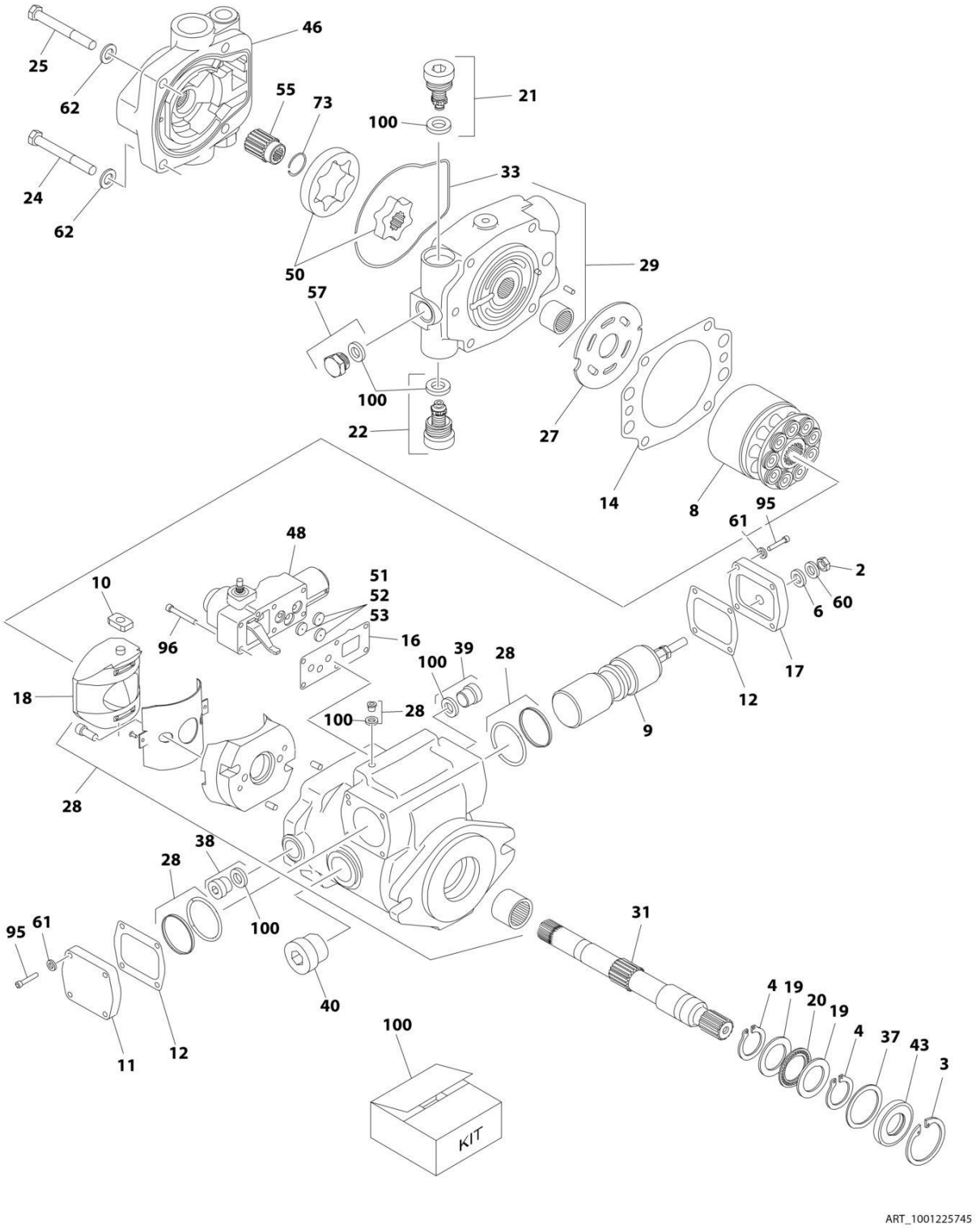


FIGURE 3-46. HYDROSTATIC PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225745	Ref	HYDROSTATIC PUMP ASSEMBLY	A
2	70004329	1	Nut	
3	See Note	NSS	Ring, Retaining (Note: Use Item 100)	
4	See Note	NSS	Ring, Retaining (Note: Use Item 100)	
6	See Note	NSS	Washer, Seal (Note: Use Item 100)	
8	70004331	1	Cylinder Block Assembly	
9	70004332	1	Servo Piston Assembly	
10	70004333	1	Follower, Servo Piston	
11	70005458	1	Cover	
12	See Note	NSS	Gasket, Cover (Note: Use Item 100)	
14	See Note	NSS	Gasket, Housing (Note: Use Item 100)	
16	See Note	NSS	Gasket, Control Housing (Note: Use Item 100)	
17	70005459	1	Cover	
18	70004336	1	Camplate Assembly	
19	7004907	2	Race, Thrust	
20	7004908	1	Bearing, Thrust	
21	70004337	1	Relief Valve Assembly	
22	70004337	1	Relief Valve Assembly	
24	70004338	2	Capscrew	
25	70004338	2	Capscrew	
27	70004340	1	Plate, Valve	
28	See Note	NSS	Housing (Note: Not Available - Purchase Assembly)	
29	70005460	1	End Cover Assembly	
31	70004342	1	Shaft, Drive	
33	See Note	NSS	O-Ring (Note: Use Item 100)	
37	7004906	1	Washer	
38	70005461	1	Plug	
39	70005461	1	Plug	
40	70005462	1	Plug	
43	See Note	NSS	Seal, Shaft (Note: Use Item 100)	
46	70004343	1	Adapter, Charge Pump	
48	70004344	1	Servo Control Assembly	
50	70004345	1	Gerotor	
51	70004346	1	Orifice	
52	70004346	1	Orifice	
53	70004346	1	Orifice	
55	70004347	1	Coupler	
57	70005463	1	Plug	
60	70004348	1	Washer	
61	70004349	8	Washer	
62	70004350	4	Washer	
73	70004351	1	Ring, Retaining	
95	70005464	8	Capscrew	
96	70005465	6	Capscrew	
100	70004352	1	Seal Kit - Pump (Includes Items 3, 4, 6, 12, 14, 16, 33 & 43 and Valve and Plug O-Rings and Seals)	

FIGURE 3-47. VARIABLE PUMP ASSEMBLY (ALL ENGINES EXCEPT DEUTZ TD2.9L4 (STAGE V))

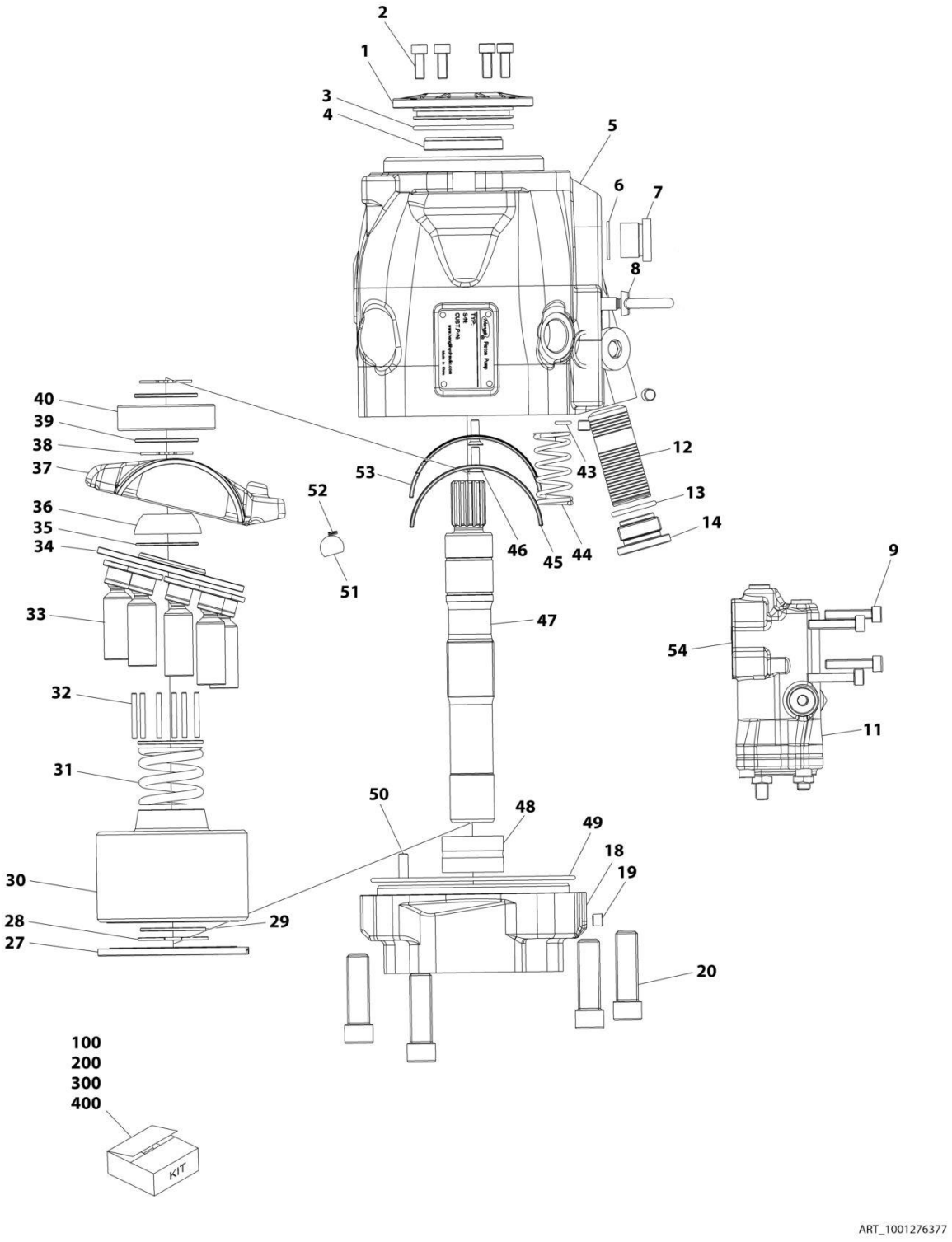


FIGURE 3-47. VARIABLE PUMP ASSEMBLY (ALL ENGINES EXCEPT DEUTZ TD2.9L4 (STAGE V))

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276377	Ref	VARIABLE PUMP ASSEMBLY	B
1	70007789	1	Case, Oil Seal	
2	See Note	NSS	Capscrew M6 x 16 (Note: Purchase Separately)	
3	See Note	NSS	O-Ring (Note: Use Item 100)	
4	70007798	1	Seal, Oil	
5	See Note	NSS	Housing (Note: Not Available - Purchase Assembly)	
6	See Note	NSS	O-Ring (Note: Use Item 100)	
7	70007790	3	Plug	
8	See Note	NSS	Bolt, Eye M8 (Note: Purchase Separately)	
9	See Note	NSS	Capscrew M9 x 30 (Note: Purchase Separately)	
11	70007787	1	Valve, Control	
12	70007800	1	Piston	
13	See Note	NSS	O-Ring (Note: Use Item 100)	
14	70007801	1	Plug	
18	See Note	NSS	Cover (Note: Not Available - Purchase Assembly)	
19	70007791	3	Plug	
20	See Note	NSS	Capscrew M12 x 45 (Note: Purchase Separately)	
27	See Note	NSS	Plate, Valve (Note: Use Item 200)	
28	See Note	NSS	Circlip (Note: Use Item 200)	
29	See Note	NSS	Shim (Note: Use Item 200)	
30	See Note	NSS	Cylinder (Note: Use Item 200)	
31	See Note	NSS	Spring (Note: Use Item 200)	
32	See Note	NSS	Pin (Note: Use Item 200)	
33	See Note	NSS	Piston Assembly (Note: Use Item 200)	
34	See Note	NSS	Retainer (Note: Use Item 200)	
35	See Note	NSS	Shim (Note: Use Item 200)	
36	See Note	NSS	Bushing (Note: Use Item 200)	
37	See Note	NSS	Plate, Swash (Note: Use Item 300)	
38	See Note	NSS	Circlip (Note: Use Item 400)	
39	See Note	NSS	Shim (Note: Use Item 400)	
40	See Note	NSS	Bearing, Cylinder (Note: Use Item 400)	
43	See Note	NSS	O-Ring (Note: Use Item 100)	
44	70007792	1	Spring	
45	70007793	1	Bushing	
46	70007796	2	Capscrew M5 x 16	
47	See Note	NSS	Shaft (Note: Use Item 400)	
48	70007797	1	Bearing	
49	See Note	NSS	O-Ring (Note: Use Item 100)	
50	70007794	1	Spring	
51	See Note	NSS	Ball, Steel (Note: Use Item 300)	
52	See Note	NSS	Spring (Note: Use Item 300)	
53	70007795	1	Bushing	
54	70007799	1	Gasket	
100	70007802	1	Seal Kit (Includes Items 3, 6, 13, 43 & 49)	
200	70007786	1	Cylinder Assembly (Includes Items 27 - 36)	
300	70007788	1	Swash Plate Assembly (Includes Items 37, 51 & 52)	
400	70007785	1	Shaft Assembly (Includes Items 38 - 40 & 47)	

FIGURE 3-48. VARIABLE PUMP ASSEMBLY (DEUTZ TD 2.9L4 (STAGE V) & CHINA IV ENGINES)

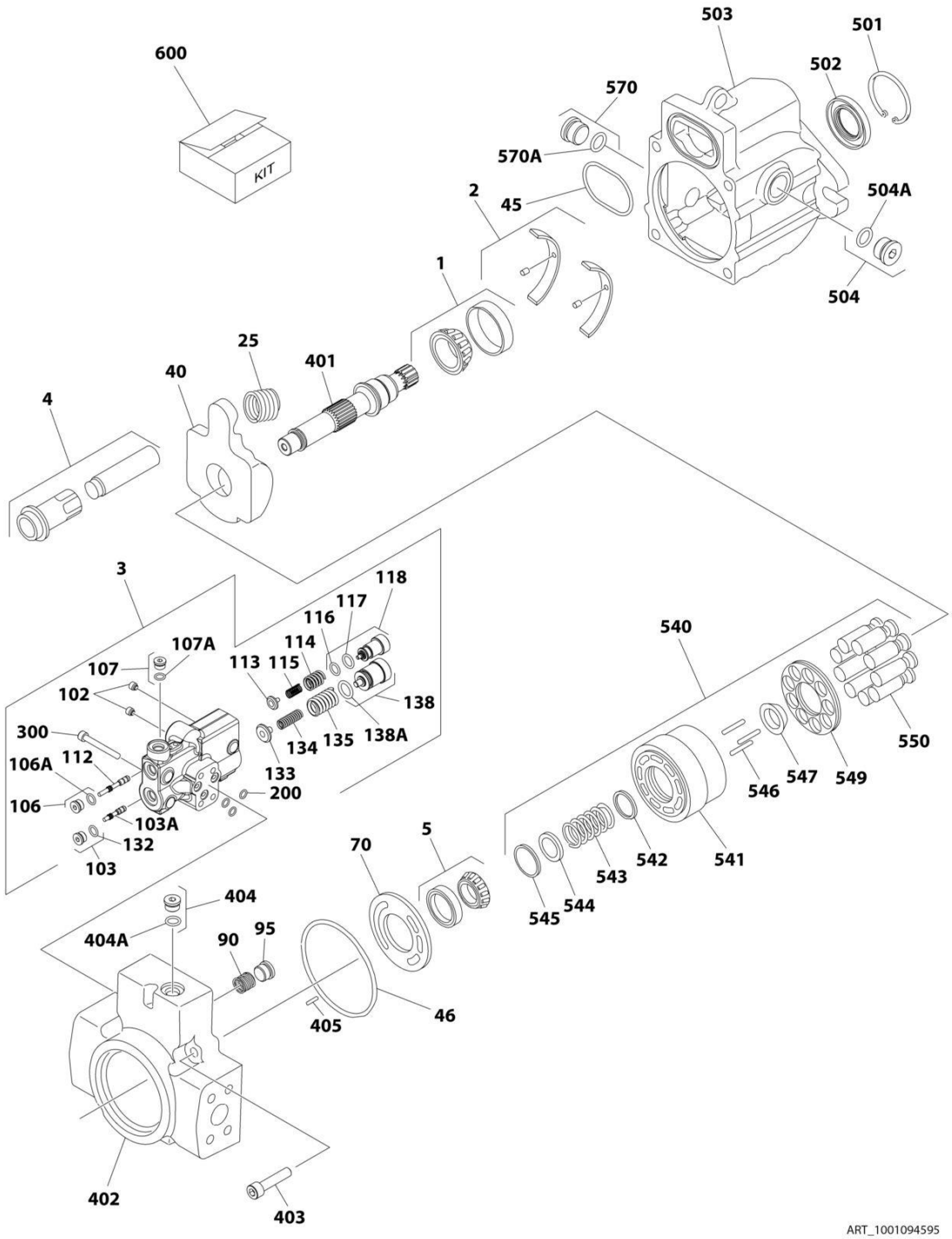
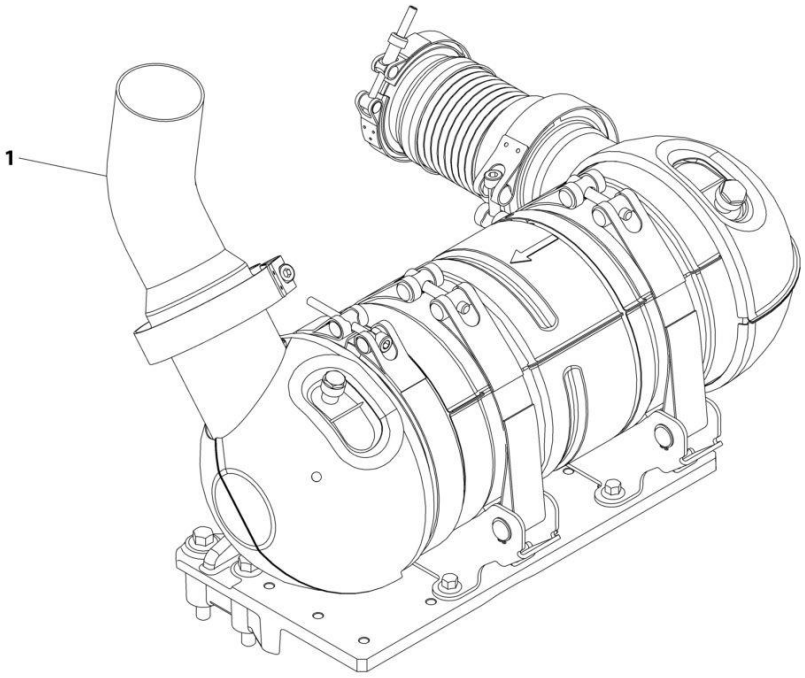


FIGURE 3-48. VARIABLE PUMP ASSEMBLY (DEUTZ TD 2.9L4 (STAGE V) & CHINA IV ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001094595	Ref	VARIABLE PUMP ASSEMBLY	A
1	7023947	1	Bearing, Front (Includes Cup and Cone)	
2	7023948	1	Bearings, Swash Plate (Includes Both Sides and Pins)	
3	7023956	1	Control Valve Assembly (Includes Items 102-300)	
4	7023949	1	Servo Piston Assembly	
5	7023950	1	Bearing, Rear (Includes Cup and Cone)	
25	7023951	1	Spring	
40	7023952	1	Swash Plate	
45	See Note	NSS	O-Ring (Note: Use Item 600)	
46	See Note	NSS	O-Ring (Note: Use Item 600)	
70	70001954	1	Plate, Valve	
90	70001955	1	Spring, Check Valve	
95	70001956	1	Poppet, Check Valve	
102	See Note	NSS	Setscrew (Note: Use Item 3)	
103	See Note	NSS	Plug (Note: Use Item 3)	
103A	See Note	NSS	O-Ring (Note: Use Item 600)	
106	See Note	NSS	Plug (Note: Use Item 3)	
106A	See Note	NSS	O-Ring (Note: Use Item 600)	
107	See Note	NSS	Plug (Note: Use Item 3)	
107A	See Note	NSS	O-Ring (Note: Use Item 600)	
112	See Note	NSS	Spool, Control (Note: Use Item 3)	
113	See Note	NSS	Guide, Spring (Note: Use Item 3)	
114	See Note	NSS	Spring (Note: Use Item 3)	
115	See Note	NSS	Spring (Note: Use Item 3)	
116	See Note	NSS	O-Ring (Note: Use Item 600)	
117	See Note	NSS	Ring, Back-up (Note: Use Item 600)	
118	See Note	NSS	Plug, Adjusting (Note: Use Item 3)	
132	See Note	NSS	Spool, Control (Note: Use Item 3)	
133	See Note	NSS	Guide, Spring (Note: Use Item 3)	
134	See Note	NSS	Spring (Note: Use Item 3)	
135	See Note	NSS	Spring (Note: Use Item 3)	
138	See Note	NSS	Plug, PC Adjusting (Note: Use Item 3)	
138A	See Note	NSS	O-Ring (Note: Use Item 600)	
200	See Note	NSS	Ring, Seal (Note: Use Item 600)	
300	7023957	4	Screw	
401	7023958	1	Shaft	
402	70001957	1	Cap, End	
403	7023960	4	Screw	
404	7022318	1	Plug	
404A	See Note	NSS	O-Ring (Note: Use Item 600)	
405	7023961	1	Pin	
501	7023962	1	Ring, Retaining	
502	See Note	NSS	Seal, Lip (Note: Use Item 600)	
503	See Note	NSS	Housing (Note: Not Available - Purchase Assembly)	
504	7023964	1	Plug	
504A	7007415	1	O-Ring	
540	7023965	1	Cylinder Block Assembly	
541	See Note	NSS	Block, Cylinder (Note: Use Item 540)	
542	7024868	1	Washer	
543	7024867	1	Spring	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
544	7022314	1	Retainer, Spring	
545	7022311	1	Ring, Retaining	
546	7021275	3	Pin, Slipper	
547	7024864	1	Guide, Slipper	
549	7024866	1	Retainer, Slipper	
550	7023966	9	Piston Assembly	
570	7023964	1	Plug	
570A	7007415	1	O-Ring	
600	7023967	1	Seal Kit - Complete (Includes Items 45, 46, 103A, 106A, 107A, 118, 138A, 200, 444A & 502)	

FIGURE 3-49. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 ENGINES

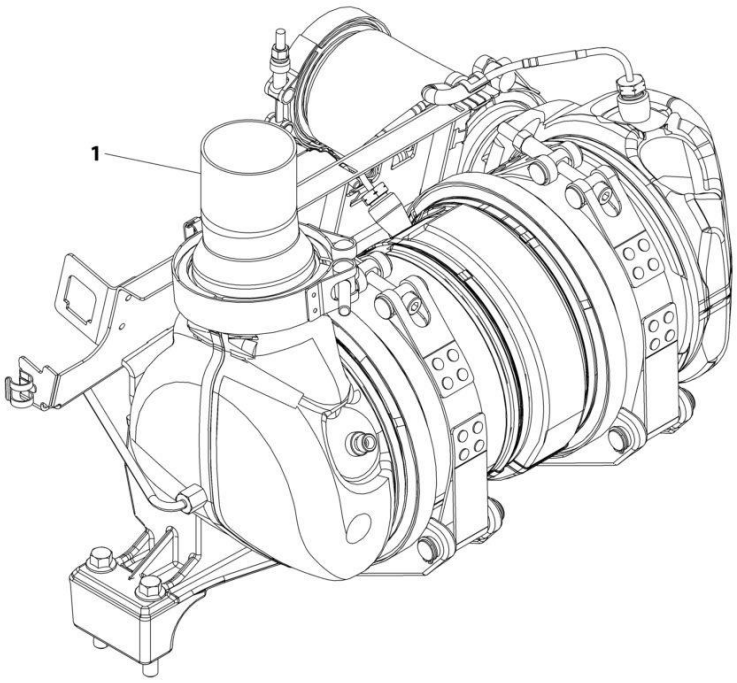


ART_1001216221

FIGURE 3-49. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216221	Ref	EXHAUST PIPE INSTALLATION	A
1	1001158145	1	Pipe, Exhaust	

FIGURE 3-50. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 (STAGE V) ENGINES

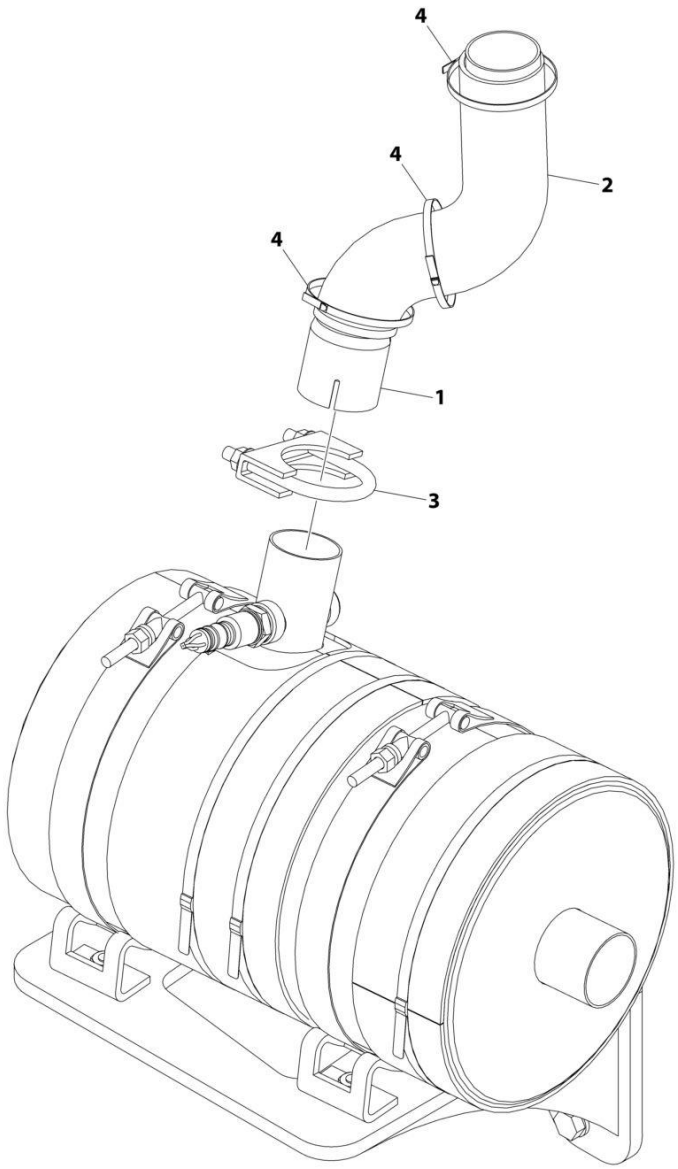


ART_1001236334

FIGURE 3-50. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236334	Ref	EXHAUST PIPE INSTALLATION	B
1	1001236335	1	Pipe, Exhaust	

FIGURE 3-51. EXHAUST PIPE INSTALLATION - FORD DF 2.5L ENGINES

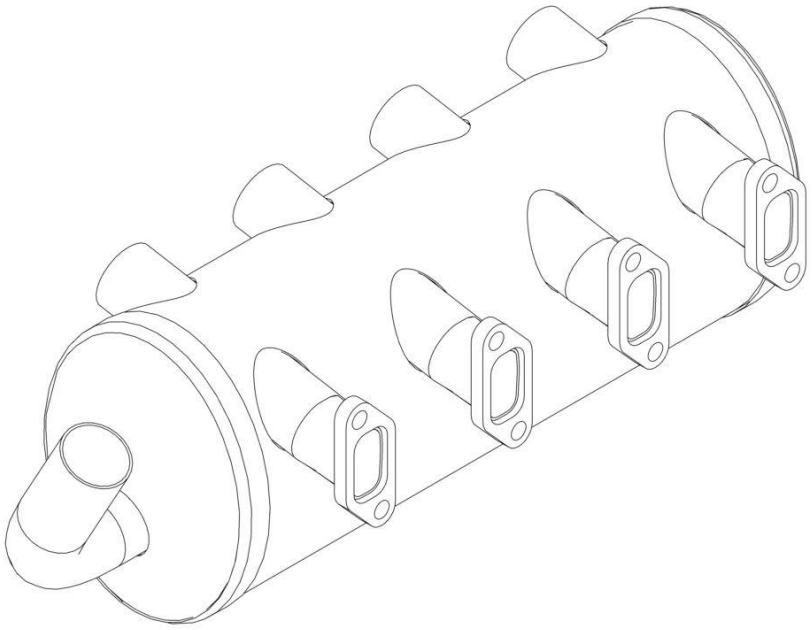


ART_1001220142

FIGURE 3-51. EXHAUST PIPE INSTALLATION - FORD DF 2.5L ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220142	Ref	EXHAUST PIPE INSTALIATION	B
1	1001217350	1	Tail Pipe	
2	1001218087	1	Insulate	
3	1001221397	1	Clamp	
4	1001100825	3	Strap	

FIGURE 3-52. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ D2011 ENGINES



ART_1001257283

FIGURE 3-52. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257283	Ref	MUFFLER INSTALLATION SPARK ARRESTOR	A
	See Note	1	Muffler, (Note: Use P/N 1001257283)	

FIGURE 3-53. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ D2011

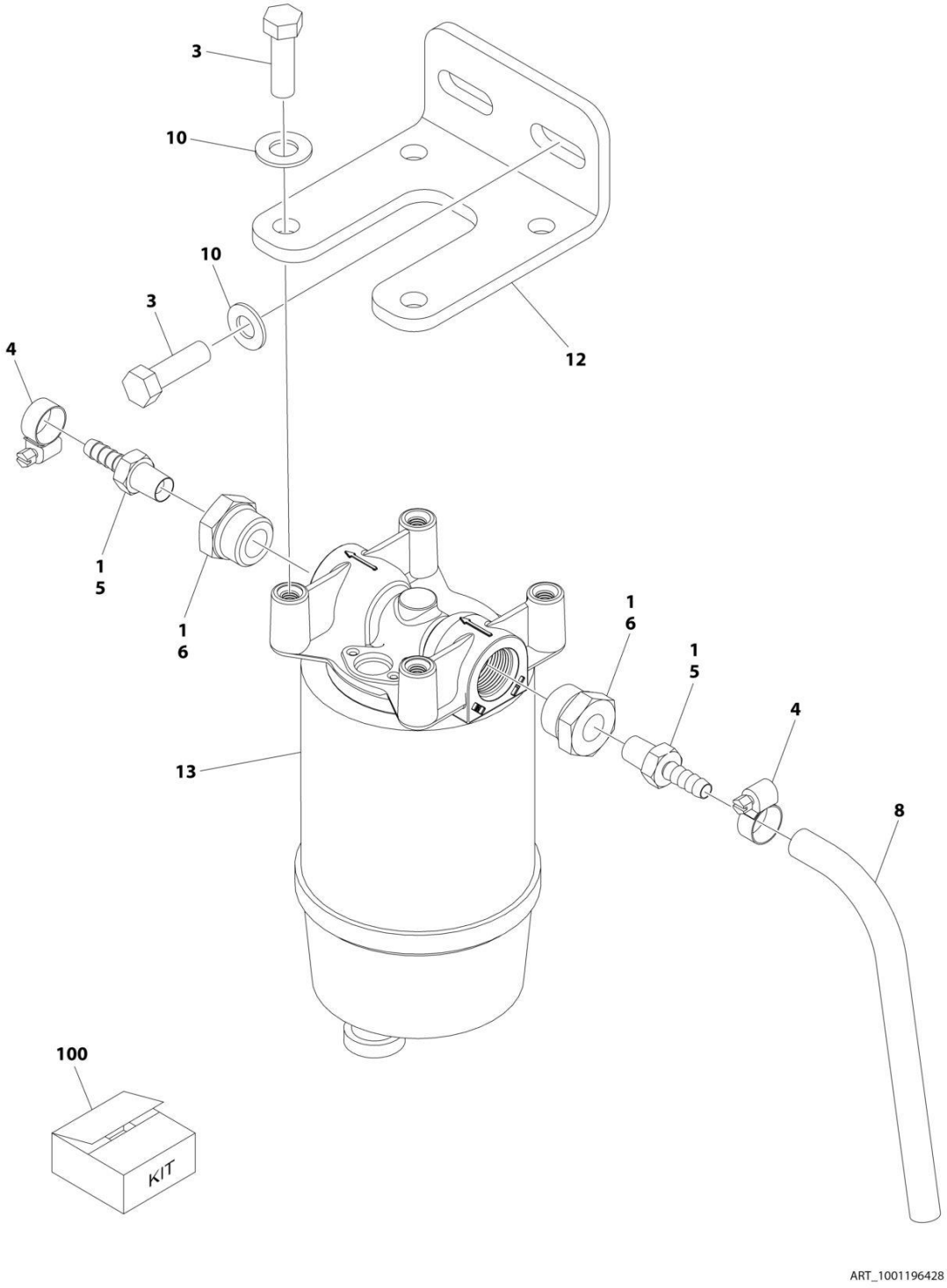


FIGURE 3-53. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ D2011

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196428	Ref	FUEL-WATER SEPARATOR INSTALLATION - DEUTZ D2011 (OPTIONAL)	B
1	0100020	AR	Sealant	
3	0641610	6	Bolt 3/8 x 1-1/4	
4	1320022	2	Clamp	
5	2180348	2	Fitting, Straight	
6	2220816	2	Fitting, Straight	
8	2720058	12 in/ 31cm	Hose	
10	4751600	6	Washer 3/8	
12	1001188884	1	Bracket	
13	1001188887	1	Fuel/Water Separator Assembly	
13	1001202280	1	Head	
13	1001202281	1	Element	
100	1001204667	1	Fuel/Water Separator Add-on Kit	

FIGURE 3-54. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2.9L4

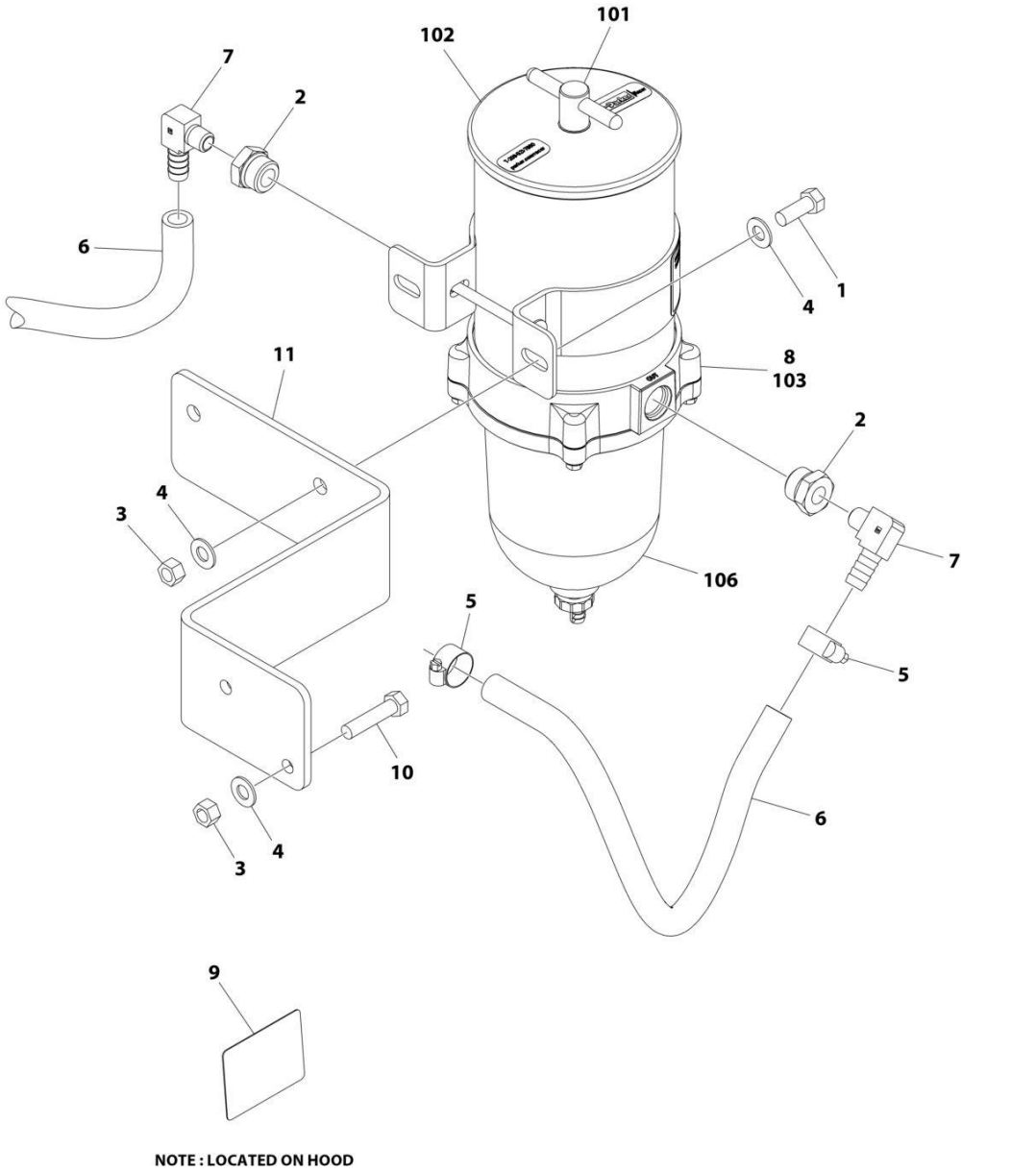


FIGURE 3-54. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2.9L4

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001226286	Ref	FUEL FILTER INSTALLATION	C
1	0641608	2	Bolt 3/8 x 1	
2	2220816	2	Fitting, Straight NPT	
3	3311605	4	Nut 3/8	
4	4711600	8	Washer 3/8	
5	8405006	2	Clamp	
6	1001154405	13 ft/ 3.96m	Hose	
7	1001178797	2	Fitting, 90	
8	1001222817	1	Fuel Filter Assembly (See Items 101-107 for Breakdown)	
9	1001226923	1	Decal - Fuel Water Separator	
10	0641613	2	Bolt 3/8 x 1-5/8	
11	1001254657	1	Bracket	
	1001222817	Ref	FUEL FILTER ASSEMBLY	
101	70006403	1	T-Handle Kit (Includes O-Ring)	
102	70006404	1	Lid Kit (Includes Gasket)	
103	70006405	1	Element	
104	70006406	1	Checkball & Gasket Kit (Not Shown)	
105	70006407	1	Centrifuge and Baffle Kit (Not Shown)	
106	70006409	1	Bowl Kit (Includes Gasket, O-Ring and Drain)	
106	70006408	1	Gasket, Bowl	
107	70006410	1	Bowl Ring Kit (Includes Gasket & Hardware) (Not Shown)	

FIGURE 3-55. FUEL FILTER ASSEMBLY (DEUTZ TD2.9L4 ENGINES)

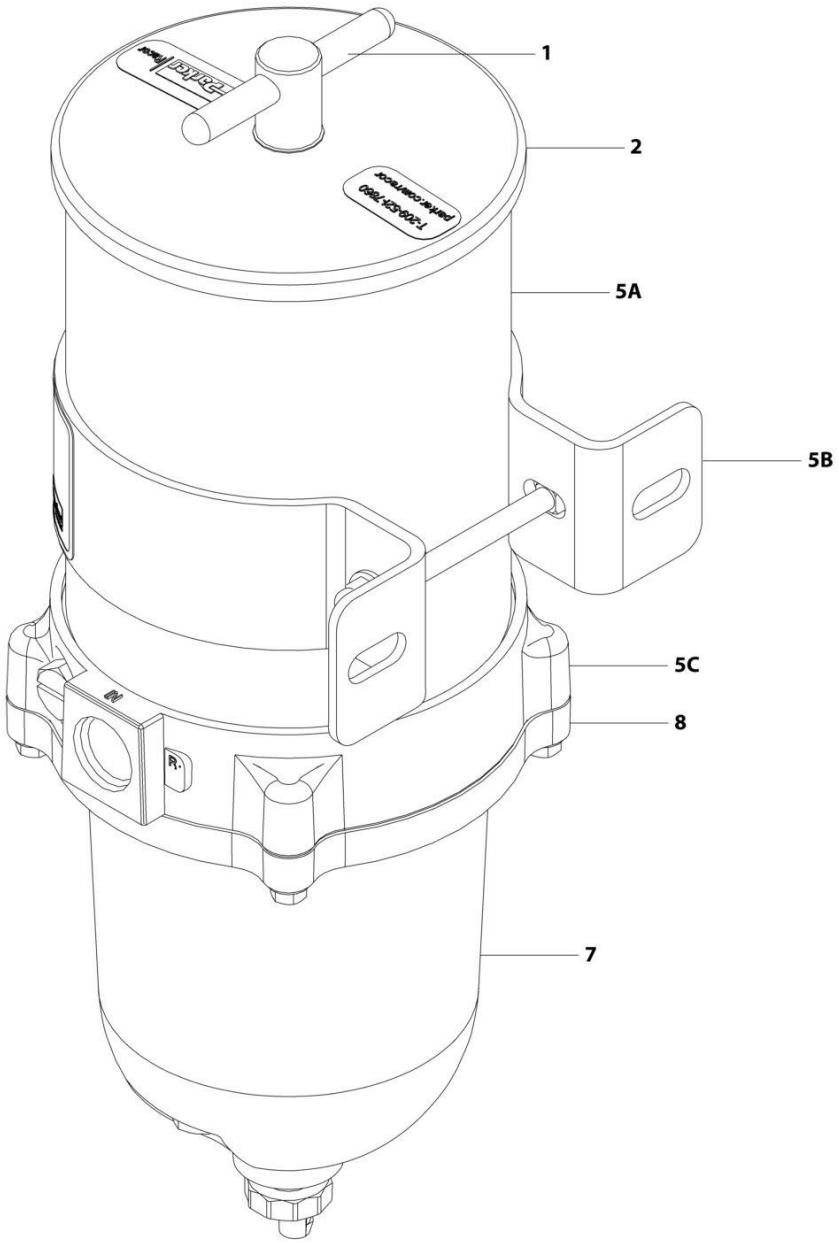


FIGURE 3-55. FUEL FILTER ASSEMBLY (DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222817	Ref	FUEL FILTER ASSEMBLY	A
1	70006403	1	Handle Kit (Includes Handle, Handle O-Ring & Lid Gasket)	
2	70006404	1	Lid Kit (Includes Lid, Handle O-Ring & Lid Gasket)	
3	70006405	1	Element, Filter (Not Shown)	
5A	See Note	NSS	Housing (Note: Use p/n 1001222817)	
5B	See Note	NSS	Bracket (Note: Use p/n 1001222817)	
5C	See Note	NSS	Tube, Return (Note: Use p/n 1001222817)	
6	70006407	1	Certrfuge & Baffle Kit (Not Shown - Located at Bottom of 5C) (Also Includes p/n 70006406 & Bowl Gasket)	
6	70006406	1	Checkball & Gasket Kit (Not Shown - Located at Bottom of 5C)	
7	70006409	1	Bowl Kit (Includes Bowl Gasket, Plug with O-Ring & Drain)	
7	70006408	1	Gasket, Bowl	
8	70006410	1	Bowl Ring Kit (Includes Bowl Gasket & Bolts)	

FIGURE 3-56. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITHOUT GENERATORS)

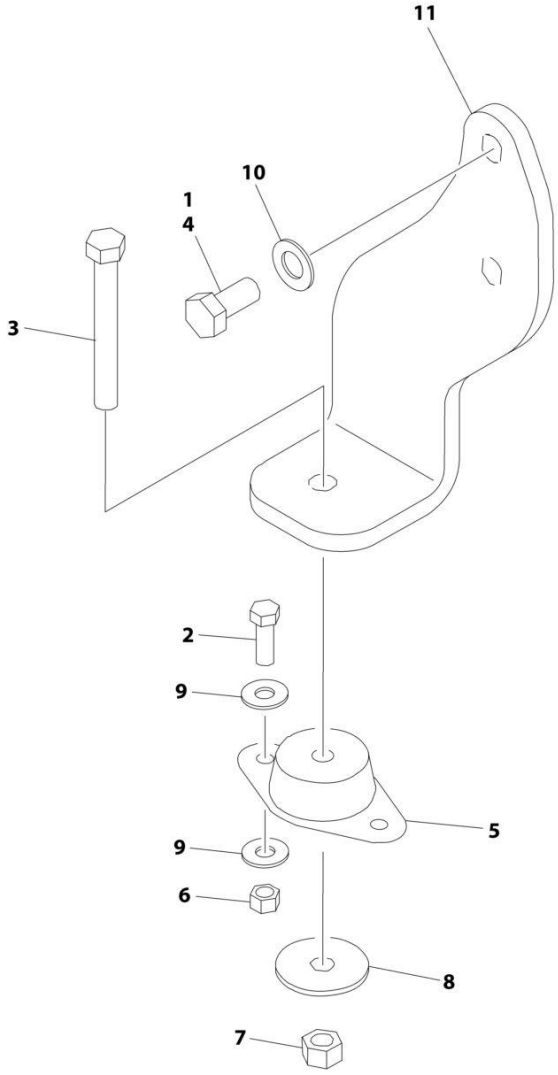


FIGURE 3-56. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITHOUT GENERATORS)

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 3-57. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITH GENERATORS)

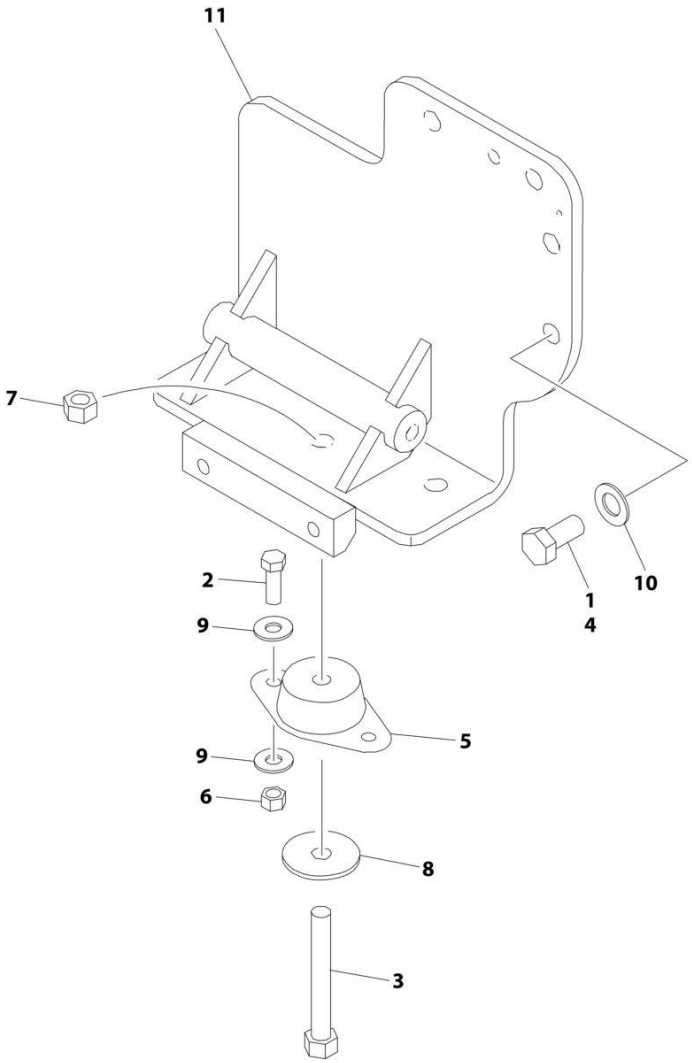


FIGURE 3-57. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITH GENERATORS)

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 3-58. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ 2.9L4 (STAGE V) ENGINES WITH ABS HOODS

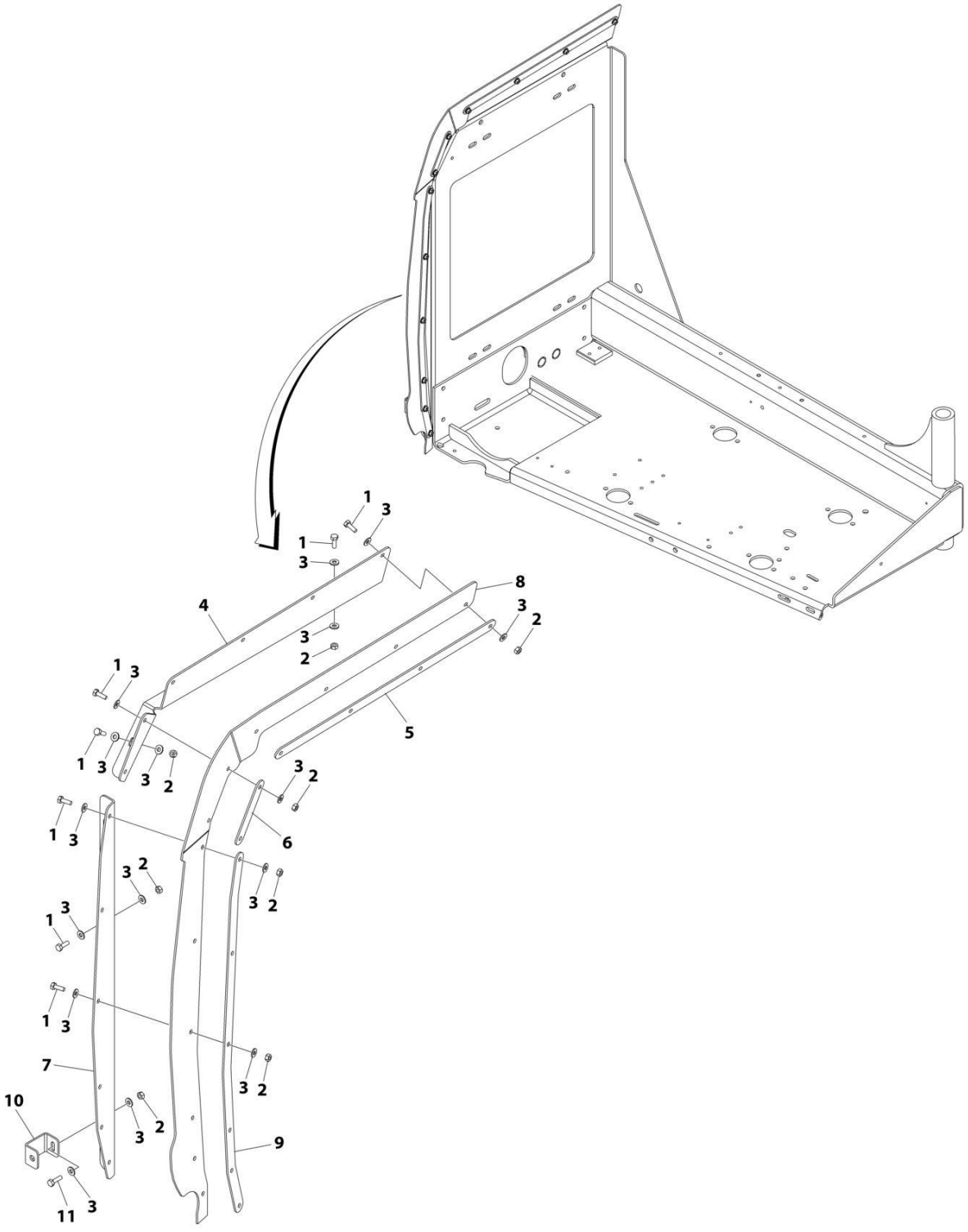


FIGURE 3-58. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ 2.9L4 (STAGE V) ENGINES WITH ABS HOODS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001143484	Ref	BAFFLES INSTALLATION (ABS HOODS)	C
1	0641406	18	Bolt 1/4 x 3/4	
2	3311405	19	Nut 1/4	
3	4711400	38	Washer 1/4	
4	1001174745	1	Bracket	
5	1001142031	1	Bracket	
6	1001142032	1	Bracket	
7	1001143449	1	Bracket	
8	1001195967	1	Baffle	
9	1001143525	1	Bracket	
10	1001143860	1	Bracket, Bumper	
11	0641407	1	Bolt 1/4 x 78	

FIGURE 3-59. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ 2.9L4 (STAGE V) ENGINES WITH STEEL HOODS

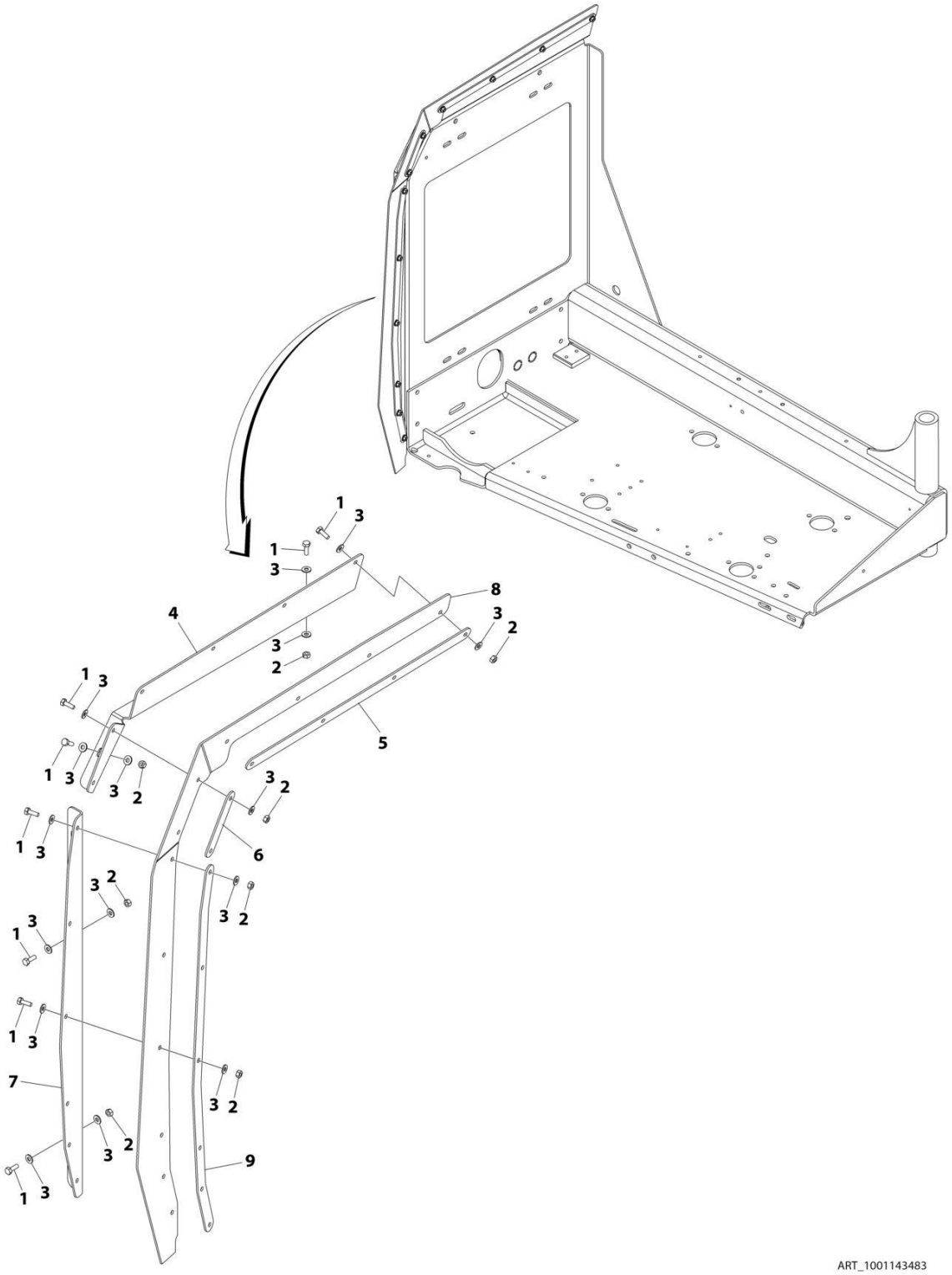


FIGURE 3-59. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ 2.9L4 (STAGE V) ENGINES WITH STEEL HOODS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001143483	Ref	BAFFLES INSTALLATION (STEEL HOODS)	B
1	0641406	19	Bolt 1/4 x 3/4	
2	3311405	19	Nut 1/4	
3	4711400	38	Washer 1/4	
4	1001174745	1	Bracket	
5	1001142031	1	Bracket	
6	1001142032	1	Bracket	
7	1001143449	1	Bracket	
8	1001174746	1	Baffle	
9	1001143525	1	Bracket	

FIGURE 3-60. ENGINE TRAY JACK INSTALLATION - DEUTZ ENGINES

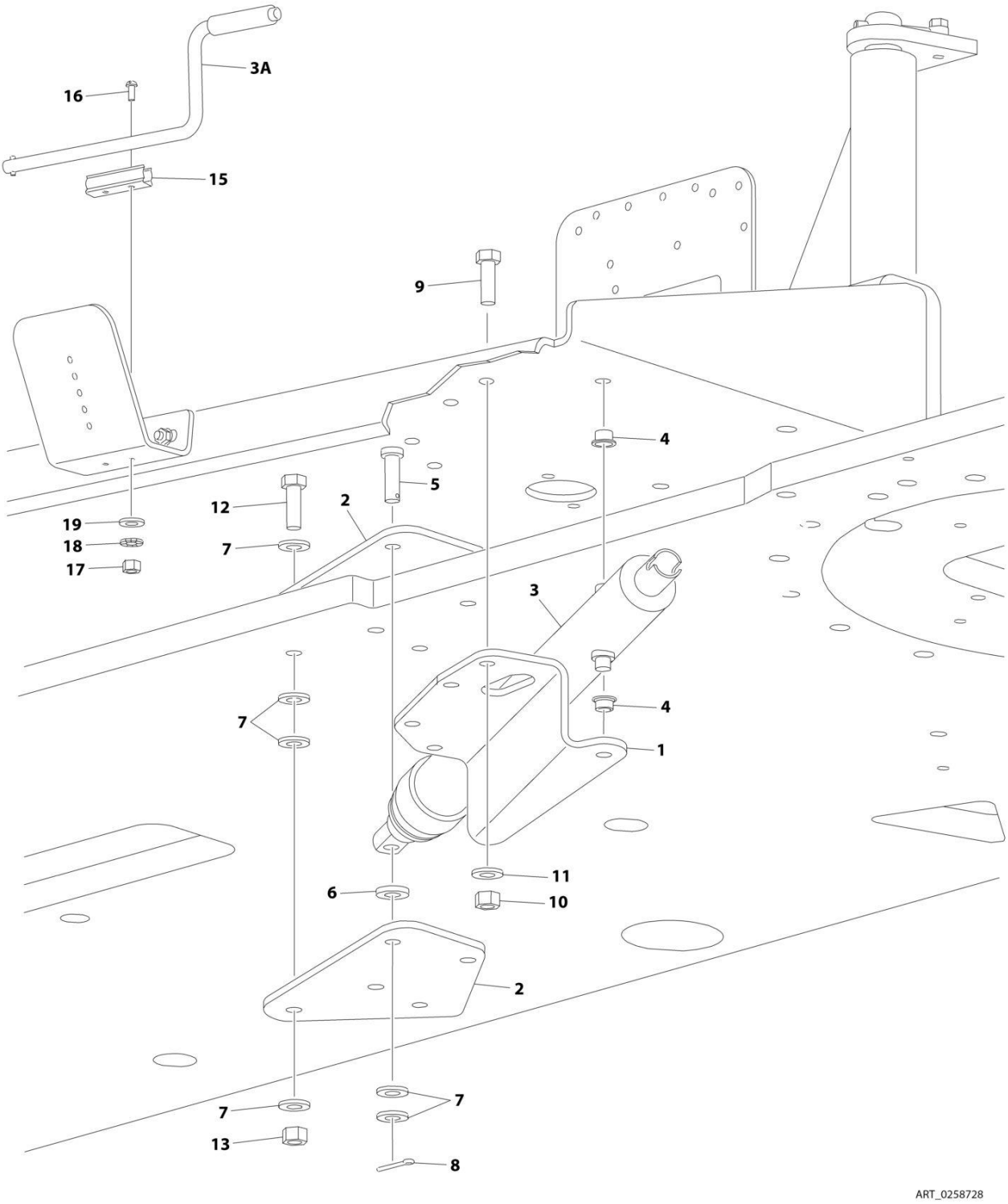


FIGURE 3-60. ENGINE TRAY JACK INSTALLATION - DEUTZ ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0258728	Ref	ENGINE TRAY JACK INSTALLATION	2-C
1	3537445	1	Bracket	
2	3537446	2	Bracket	
3	2840016	1	Jack and Handle Assembly	F
3A	7024598	1	Handle	
4	0962051	2	Bearing, Flange	
5	3430816	1	Pin, Clevis	
6	4891800	1	Washer 1/2	
7	4711800	6	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	0641818	4	Bolt 1/2 x 2-1/4	
13	3311805	4	Nut 1/2	
15	1380147	1	Clip, Spring	
16	3910608	2	Screw #6 x 1	
17	3310601	2	Nut #6	
18	4770600	2	Washer #6	
19	4740119	2	Washer	

FIGURE 3-61. ENGINE TRAY JACK INSTALLATION - FORD ENGINES

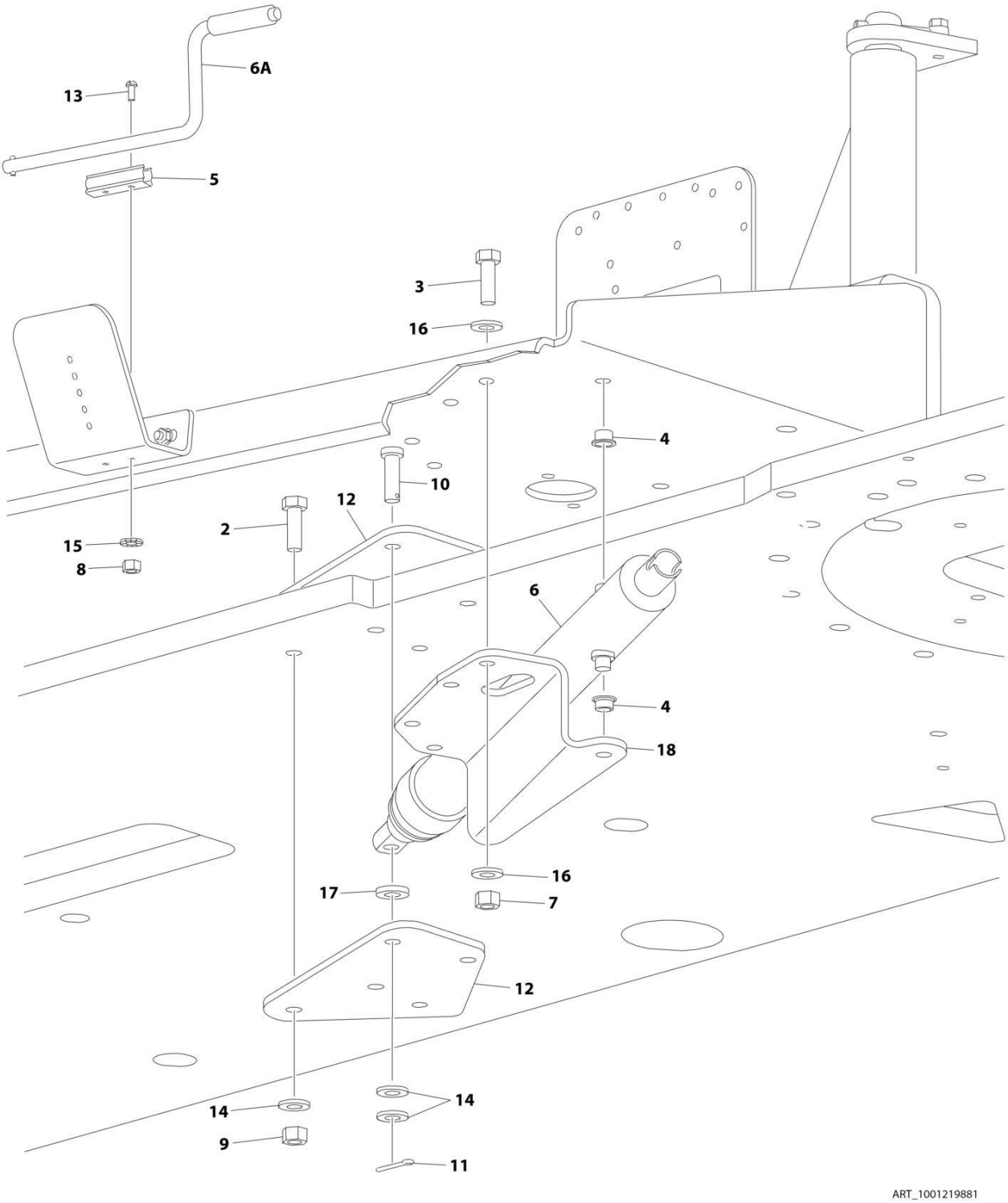


FIGURE 3-61. ENGINE TRAY JACK INSTALLATION - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219881	Ref	ENGINE TRAY JACK INSTALLATION	B
2	0641818	4	Bolt 1/2 x 2-1/4	
3	0761014	3	Bolt M10 x 30	
4	0962051	2	Bearing, Flange	
5	1380147	1	Clip, Spring	
6	2840016	1	Jack and Handle Assembly	F
6A	7024598	1	Handle	
7	3291007	3	Nut M10	
8	3310601	2	Nut #6-32	
9	3311805	4	Nut 1/2-13	
10	3430816	1	Pin, Clevis	
11	3450404	1	Pin, Cotter 1/8 x 1	
12	3537446	2	Bracket	
13	3910608	2	Screw #6-32 x 1	
14	4711800	6	Washer 1/2	
15	4770600	2	Washer #6	
16	4812000	6	Washer M10	
17	4891800	1	Washer 1/2	
18	1001218547	1	Bracket	

FIGURE 3-62. QUICKFIT OIL DRAIN VALVE (DEUTZ ENGINES)

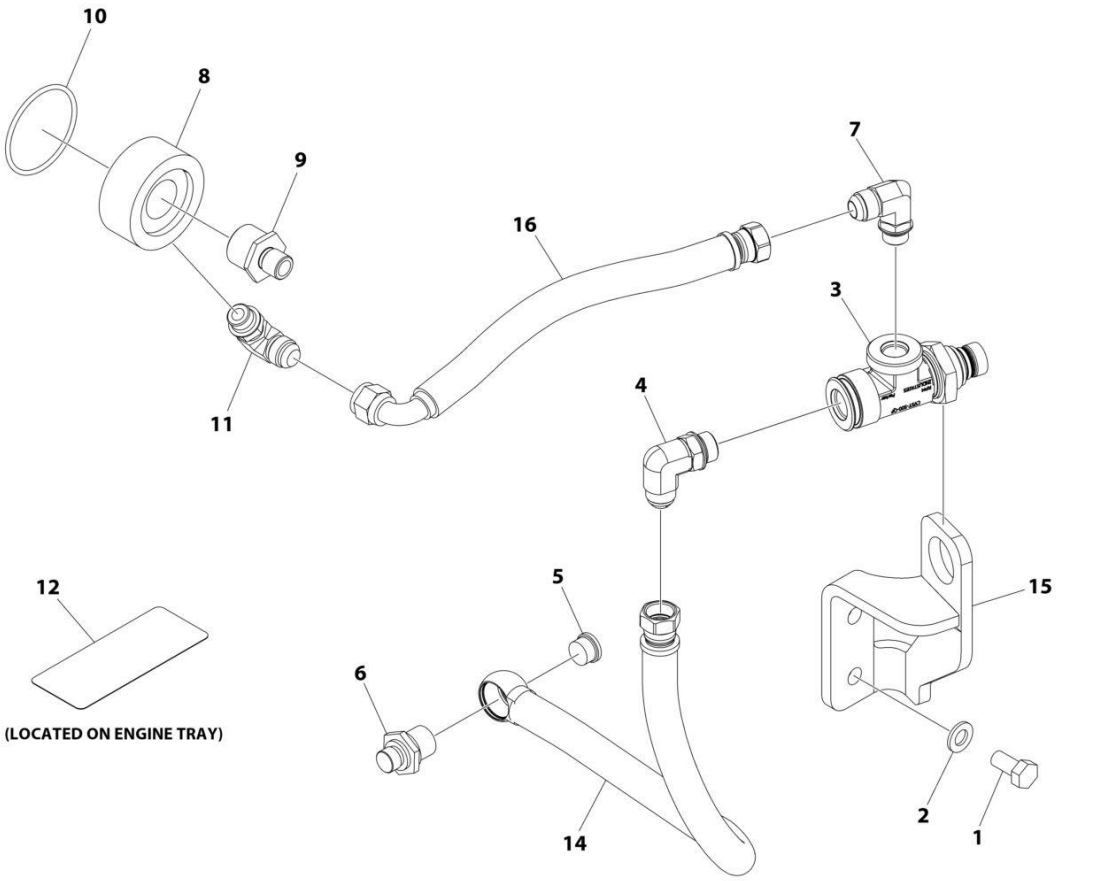


FIGURE 3-62. QUICKFIT OIL DRAIN VALVE (DEUTZ ENGINES)

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 3-63. 2500W/220V/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

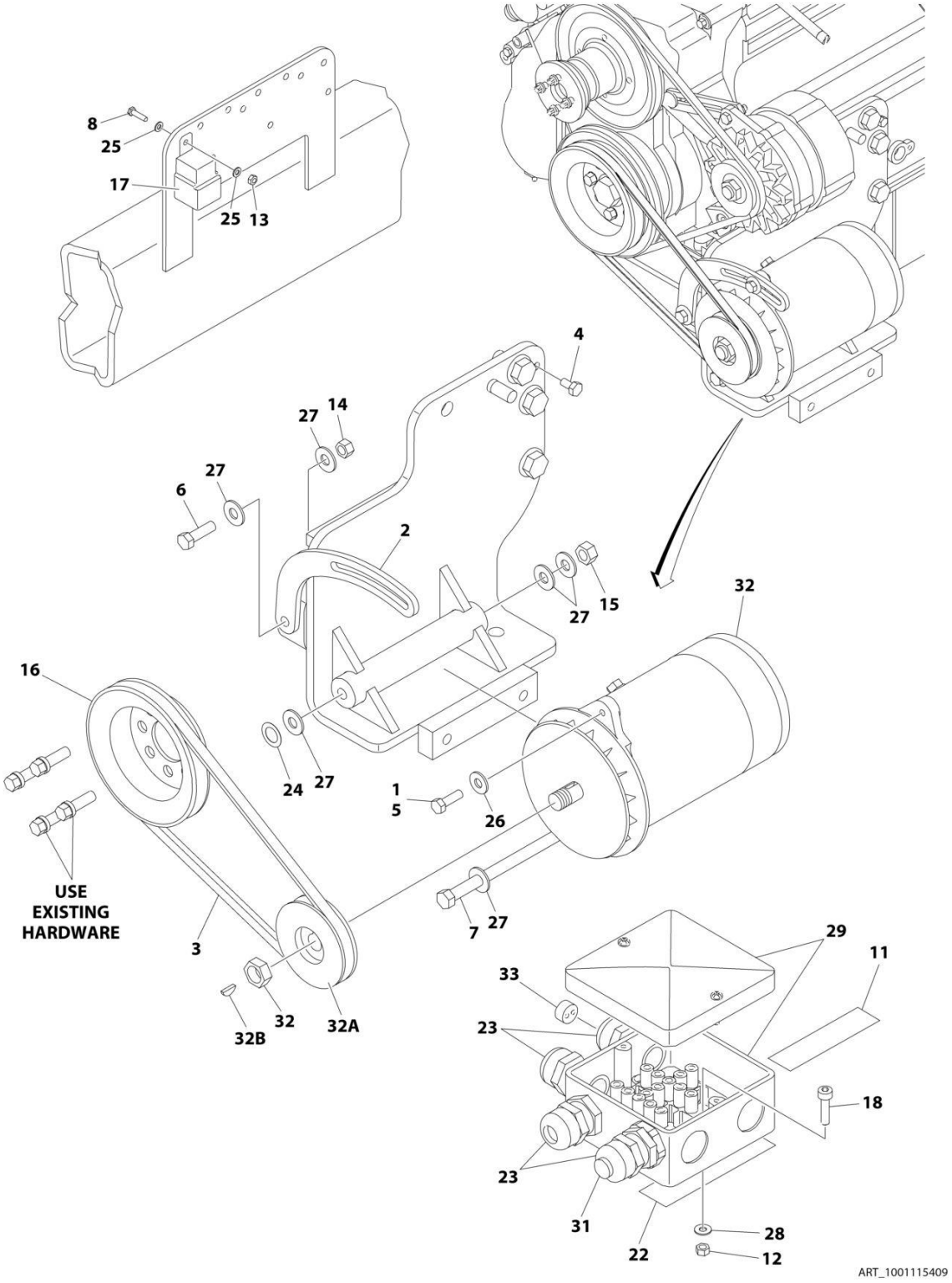


FIGURE 3-63. 2500W/220V/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

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 3-64. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

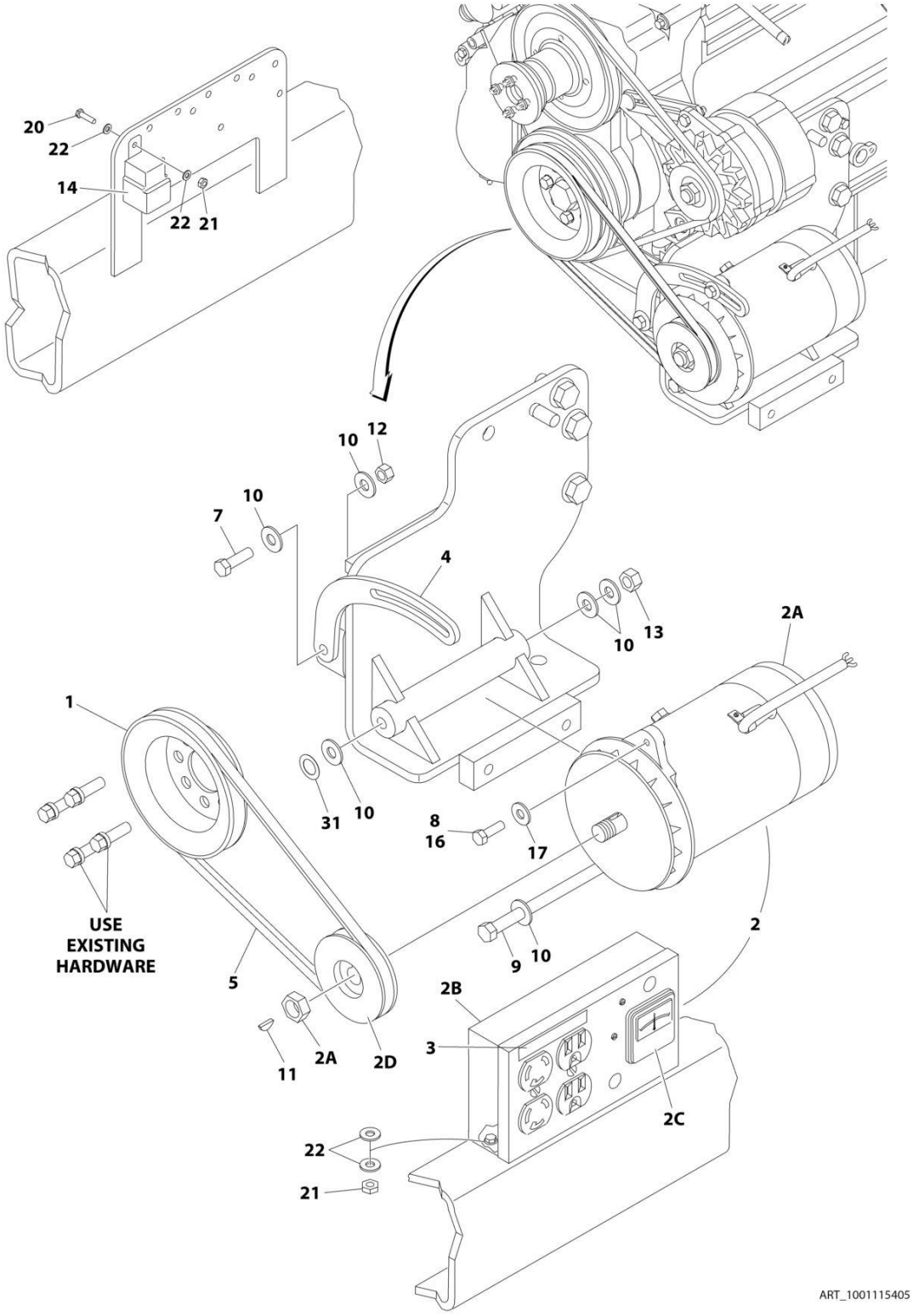


FIGURE 3-64. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

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 3-65. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

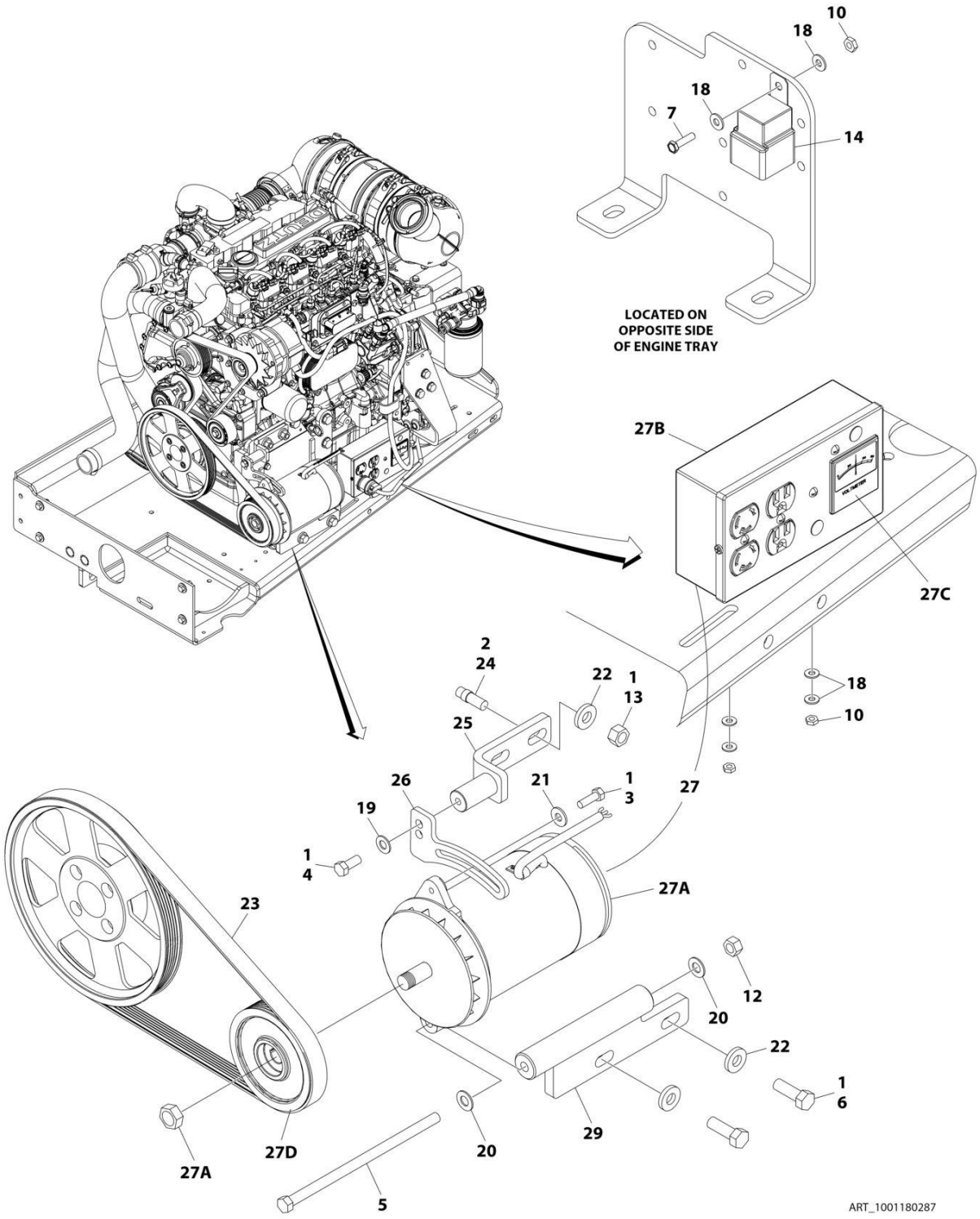


FIGURE 3-65. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

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 3-66. 2500W/110V/60HZ GENERATOR INSTALLATION - FORD ENGINES

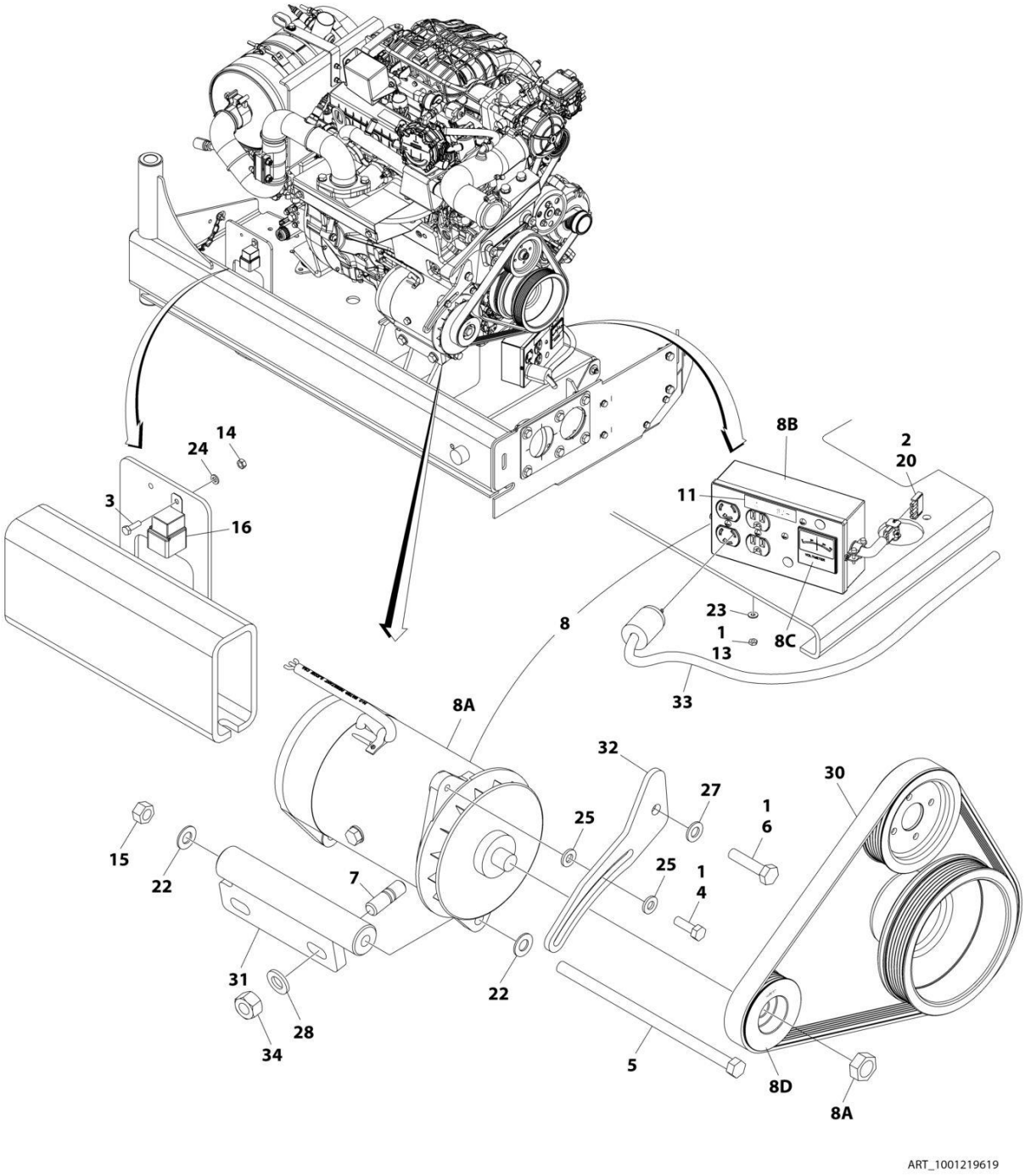


FIGURE 3-66. 2500W/110V/60HZ GENERATOR INSTALLATION - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219619	Ref	2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL)	E
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	0761016	1	Bolt M10 x 40	
7	1001155041	1	Stud	
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	1	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	
22	4711700	2	Washer 7/16	
23	4751000	2	Washer #10	
24	4811700	1	Washer M6	
25	4891500	2	Washer 5/16	
27	4812000	1	Washer M10	
28	4812200	2	Washer M14	
29		Ref	Wiring Diagram Components (Not Shown)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
29	4922641	1	Generator On/Off Switch Harness (Not Shown - Located at Platform)	
29	4923445	1	Generator Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
30	1001216391	1	V-Belt	
31	1001219630	1	Mount, Generator	
32	1001219632	1	Arm, Adjustment	
33	4921829	1	Harness, Inverter	
34	3291201	2	Nut M12	

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

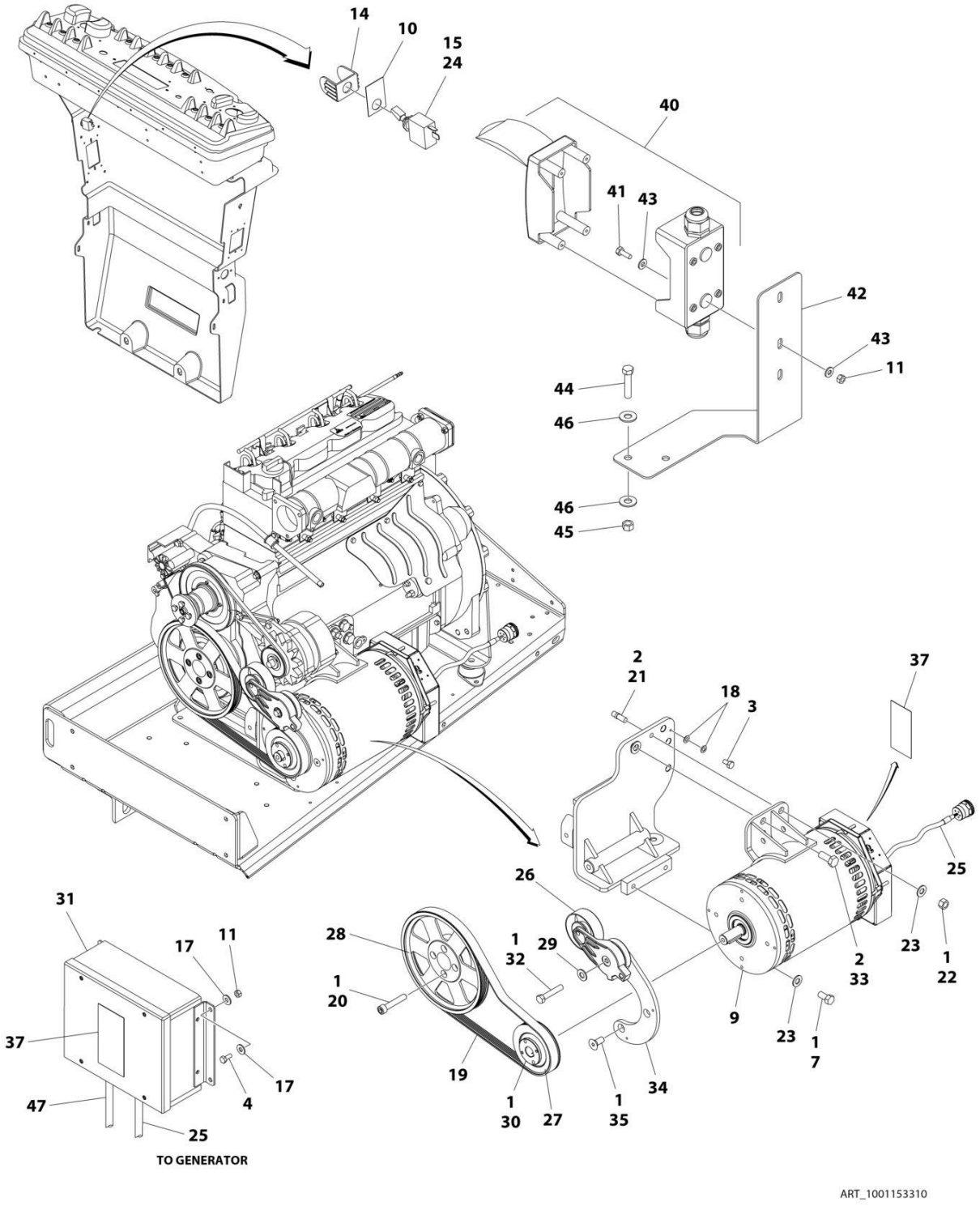


FIGURE 3-67. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153310	Ref	4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641404	1	Bolt 1/4 x 1/2	
4	0641405	4	Bolt 1/4 x 5/8	
7	0641808	2	Bolt 1/2 x 1	
9	1001138565	1	Generator Assembly	
9	70003709	1	Ring, Retaining (External)	
9	70003708	1	Ring, Retaining (Internal)	
9	70001966	1	Bearing	
9	70004092	1	Endbell (Shaft End)	
9	70004171	1	Key	
9	70004676	1	Rotor	
9	70004677	1	Stator	
9	70004678	1	Endbell (Rear)	
9	70004679	1	Cover, Endbell (Rear)	
9	70004680	1	Enclosure, Wiring	
9	70004681	1	Cover, Enclosure	
9	70004682	1	Switch, Reset (Located on Enclosure Cover)	
9	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
10	3251102	1	Nameplate - Generator	
11	3311405	6	Nut 1/4	
14	4060802	1	Guard, Switch	
15	4360336	1	Switch, Toggle	
17	4751400	8	Washer 1/4	
18	4791400	2	Washer 1/4	
19	0480126	1	Belt, Generator	
20	4032015	4	Capscrew M10 x 55	
21	4300157	1	Stud	
22	3311801	1	Nut 1/2	
23	4711800	3	Washer 1/2	
24	2820031	AR	Heat Shrink	
25	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
26	3580317	1	Pulley, Tensioner	
27	3580319	1	Pulley, Generator	
28	3580320	1	Pulley, Engine	
29	4711600	1	Washer 3/8	
30	0962520	1	Bushing	
31	1001138566	1	Box, Control	
31	70006552	1	Capacitor	
31	70006553	1	Relay	
32	0641616	1	Bolt 3/8 x 2	
33	0771415	1	Bolt M14 x 35	
34	1001139357	1	Mount, Tensioner	
35	0741607	3	Screw 3/8 x 7/8	
37	1705489	2	Decal - Hazardous Voltage	
40	1001165368	1	Breaker Box Kit (See Separate Breakdown in ELECTRICAL SECTION)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	0641406	2	Bolt 1/4 x 3/4	
42	1001177910	1	Bracket	
43	4711400	4	Washer 1/4	
44	0641614	2	Bolt 3/8 x 1-3/4	
45	3311605	2	Nut 3/8	
46	4751600	4	Washer 3/8	
47	1001153197	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-68. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

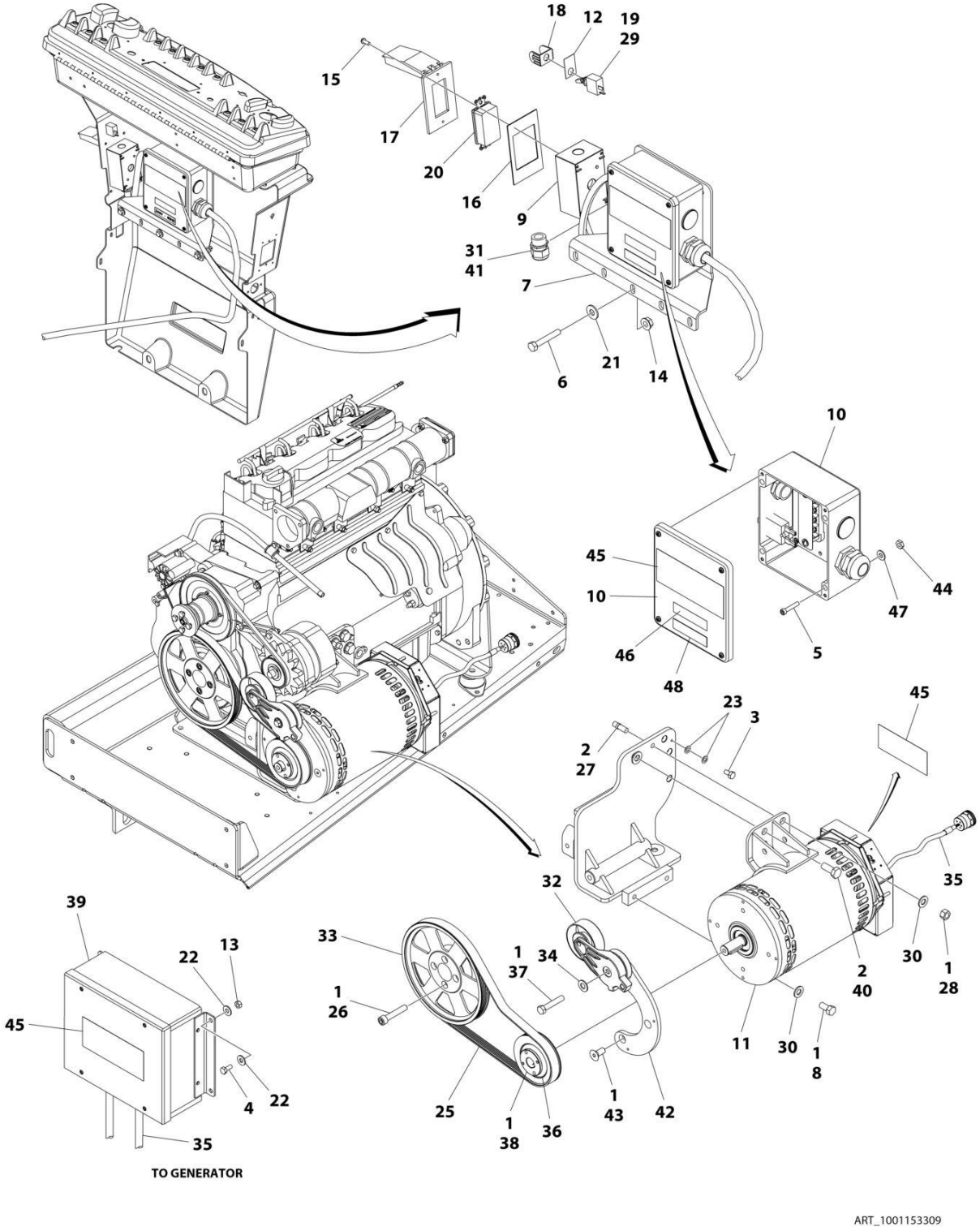


FIGURE 3-68. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153309	Ref	4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641404	1	Bolt 1/4 x 1/2	
4	0641405	4	Bolt 1/4 x 5/8	
5	3931016	4	Capscrew #10 x 1	
6	0641516	3	Bolt 5/16 x 2	
7	0902888	1	Bracket	
8	0641808	2	Bolt 1/2 x 1	
9	0860038	1	Box, Receptacle	
10	1001152457	1	Junction Box Assembly	
10	3300396	1	Cover, Breaker	
10	4360070	1	Breaker, Circuit - 15Amp	
10	4460425	1	Connector, Strain Relief (LH Side)	
10	4460426	1	Connector, Strain Relief (RH Side)	
10	1001152530	1	Block, Terminal	
10	1001158363	1	Cover, Terminal Block	
10	1001153260	1	Decal - Wiring Diagram	
11	1001129858	1	Generator Assembly	
11	70003709	1	Ring, Retaining (External)	
11	70003708	1	Ring, Retaining (Internal)	
11	70001966	1	Bearing	
11	70004092	1	Endbell (Shaft End)	
11	70004171	1	Key	
11	70004676	1	Rotor	
11	70004684	1	Stator	
11	70004678	1	Endbell (Rear)	
11	70004679	1	Cover, Endbell (Rear)	
11	70004680	1	Enclosure, Wiring	
11	70004685	1	Cover, Enclosure	
11	70004682	1	Switch, Reset (Located on Enclosure Cover)	
11	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
12	3251102	1	Nameplate - Generator	
13	3311405	4	Nut 1/4	
14	3311508	3	Nut 5/16	
15	3910606	4	Screw #6 x 3/8	
16	3960422	1	Gasket, Receptacle	
17	1001110873	1	Cover, Receptacle	
18	4060802	1	Guard, Switch	
19	4360336	1	Switch, Toggle	
20	4460346	1	Receptacle	
21	4751500	3	Washer 5/16	
22	4751400	8	Washer 1/4	
23	4791400	2	Washer 1/4	
25	0480129	1	Belt, Generator	
26	4032015	4	Capscrew M10 x 55	
27	4300157	1	Stud	
28	3311801	1	Nut 1/2	
29	2820031	AR	Heat Shrink	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
30	4711800	3	Washer 1/2	
31	4460071	1	Connector, Strain Relief	
32	3580317	1	Pulley, Tensioner	
33	3580320	1	Pulley, Engine	
34	4711600	1	Washer 3/8	
35	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
36	3580318	1	Pulley, Generator	
37	0641616	1	Bolt 3/8 x 2	
38	0962520	1	Bushing	
39	1001138566	1	Box, Control	
39	70006552	1	Capacitor	
39	70006553	1	Relay	
40	0771415	1	Bolt M14 x 35	
41	0100020	AR	Sealant	
42	1001139357	1	Mount, Tensioner	
43	0741607	3	Screw 3/8 x 7/8	
44	3311005	4	Nut #10	
45	1705387	3	Decal - Hazardous Voltage	
46	3251243	1	Decal - 120V-60Hz	
47	4751000	4	Washer #10	
48	1705374	1	Decal - 240V-60Hz	

FIGURE 3-69. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES

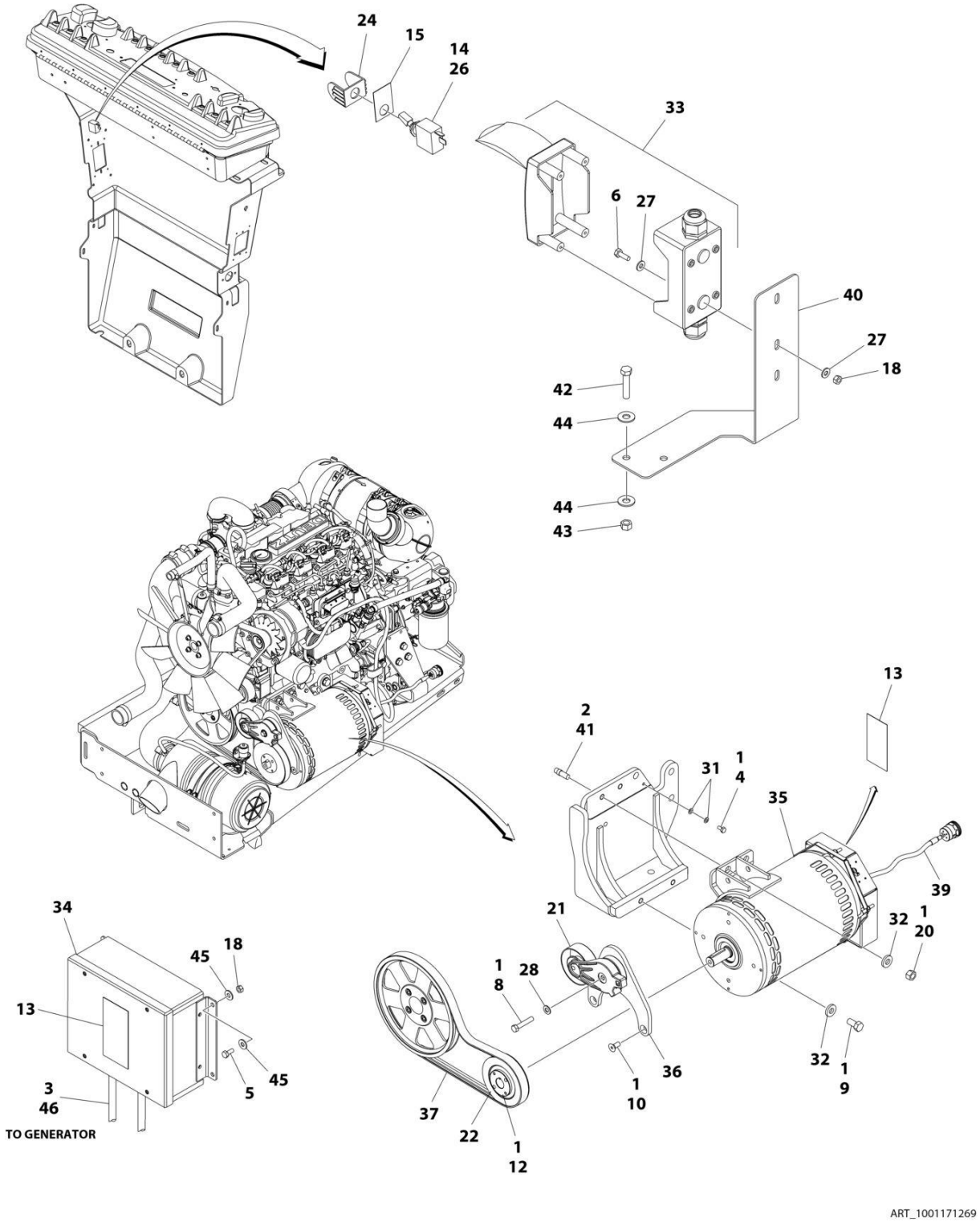


FIGURE 3-69. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171269	Ref	4000W/50HZ GENERATOR INSTALLATION	E
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	0641405	4	Bolt 1/4 x 5/8	
6	0641406	2	Bolt 1/4 x 3/4	
8	0641618	1	Bolt 3/8 x 2-1/4	
9	0641808	2	Bolt 1/2 x 1	
10	0741607	3	Screw 3/8 x 7/8	
12	0962520	1	Bushing, Split	
13	1705489	2	Decal - Hazardous Voltage	
14	2820031	AR	Heat Shrink	
15	3251102	1	Nameplate - Generator	
18	3311405	6	Nut 1/4	
20	3311801	2	Nut 1/2	
21	3580317	1	Tensioner, Belt with Pulley	
22	3580319	1	Pulley, Generator	
24	4060802	1	Guard, Switch	
25	4240018	AR	Tie-Strap (Not Shown)	
26	4360336	1	Switch, Toggle	
27	4711400	4	Washer 1/4	
28	4711600	1	Washer 3/8	
31	4791400	2	Washer 1/4	
32	4891800	4	Washer 1/2	
33	1001165368	1	Breaker Box Kit (See Separate Breakdown in ELECTRICAL SECTION)	
34	1001138566	1	Box, Control	
34	70006552	1	Capacitor	
34	70006553	1	Relay	
35	1001140347	1	Generator Assembly	
35	70003709	1	Ring, Retaining (External)	
35	70003708	1	Ring, Retaining (Internal)	
35	70001966	1	Bearing	
35	70004092	1	Endbell (Shaft End)	
35	70004099	1	Key	
35	70004676	1	Rotor	
35	70004686	1	Stator	
35	70004678	1	Endbell (Rear)	
35	70004679	1	Cover, Endbell (Rear)	
35	70004680	1	Enclosure, Wiring	
35	70004681	1	Cover, Enclosure (50Hz)	
35	70004682	1	Switch, Reset (Located on Enclosure Cover)	
35	70004683	1	Connector, Strain Relief (50Hz) (Located on Enclosure Cover)	
35	4460224	1	Connector - 6 Position (50Hz) (Located on Enclosure Cover)	
35	4460294	2	Pin, Male (50Hz) (Located on Enclosure Cover)	
36	1001142643	1	Support, Gen Tensioner	
37	1001142645	1	Belt, Generator (50Hz)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
40	1001177910	1	Bracket	
41	1001163599	2	Stud	
42	0641614	2	Bolt 3/8 x 1-3/4	
43	3311605	2	Nut 3/8	
44	4751600	4	Washer 3/8	
45	4751400	8	Washer 1/4	
46	1001153259	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-70. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

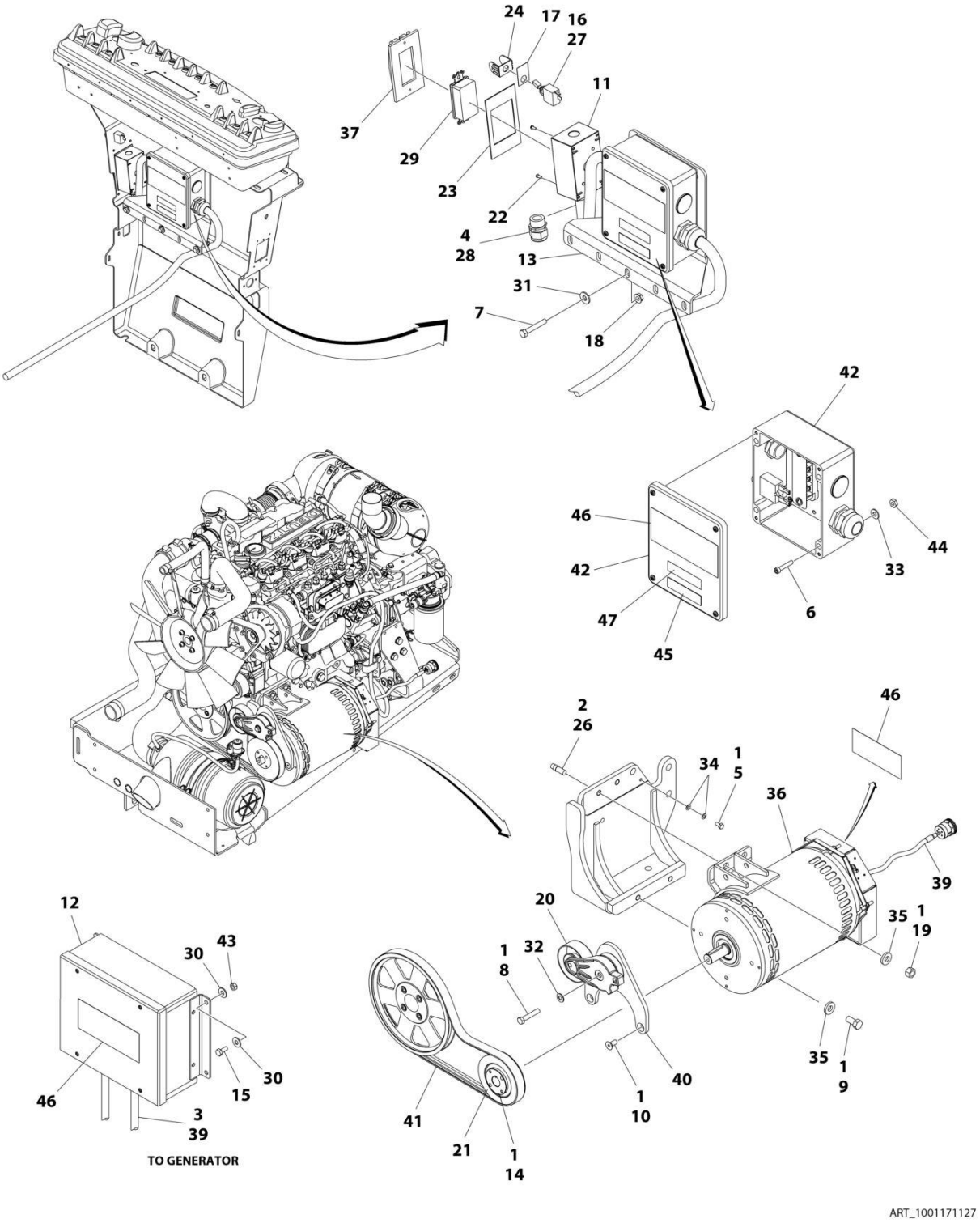


FIGURE 3-70. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171127	Ref	4000W/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES	C
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	3931016	4	Capscrew #10 x 1	
7	0641516	3	Bolt 5/16 x 2	
8	0641618	1	Bolt 3/8 x 2-1/4	
9	0641808	2	Bolt 1/2 x 1	
10	0741607	3	Screw 3/8 x 7/8	
11	0860038	1	Box, Switch	
12	1001138566	1	Box, Control	
12	70006552	1	Capacitor	
12	70006553	1	Relay	
13	0902888	1	Bracket, Junction Box	
14	0962520	1	Bushing, Split	
15	0641405	4	Bolt 1/4 x 5/8	
16	2820031	AR	Heat Shrink	
17	3251102	1	Nameplate - Generator	
18	3311508	3	Nut 5/16	
19	3311801	2	Nut 1/2	
20	3580317	1	Tensioner, Belt with Pulley	
21	3580318	1	Pulley, Generator	
22	3910606	4	Screw #6 x 3/8	
23	3960422	1	Gasket, AC Receptacle	
24	4060802	1	Guard, Switch	
25	4240018	AR	Tie-Strap (Not Shown)	
26	1001163599	2	Stud	
27	4360336	1	Switch, Toggle	
28	4460071	1	Connector, Strain Relief	
29	4460346	1	Receptacle	
30	4711400	AR	Washer 1/4	
31	4751500	3	Washer 5/16	
32	4711600	1	Washer 3/8	
33	4751000	4	Washer #10	
34	4791400	2	Washer 1/4	
35	4891800	4	Washer 1/2	
36	1001140346	1	Generator Assembly	
36	70003709	1	Ring, Retaining (External)	
36	70003708	1	Ring, Retaining (Internal)	
36	70001966	1	Bearing	
36	70004092	1	Endbell (Shaft End)	
36	70004099	1	Key	
36	70004676	1	Rotor	
36	70004687	1	Stator	
36	70004678	1	Endbell (Rear)	
36	70004679	1	Cover, Endbell (Rear)	
36	70004680	1	Enclosure, Wiring	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
36	70004685	1	Cover, Enclosure	
36	70004682	1	Switch, Reset (Located on Enclosure Cover)	
36	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
37	1001110873	1	Cover, Receptacle	
39	1001152532	1	Harness, Generator	
40	1001142643	1	Support, Gen Tensioner	
41	1001142646	1	Belt, Generator	
42	1001152457	1	Junction Box Assembly	
42	3300396	1	Cover, Breaker	
42	4360070	1	Breaker, Circuit - 15Amp	
42	4460425	1	Connector, Strain Relief (LH Side)	
42	4460426	1	Connector, Strain Relief (RH Side)	
42	1001152530	1	Block, Terminal	
42	1001158363	1	Cover, Terminal Block	
42	1001153260	1	Decal - Wiring Diagram	
43	3311405	4	Nut 1/4	
44	3311005	4	Nut #10	
45	1705374	1	Decal - 240V (60Hz)	
46	1705387	3	Decal - Hazardous Voltage	
47	3251243	1	Decal - 120V-60Hz	

FIGURE 3-71. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

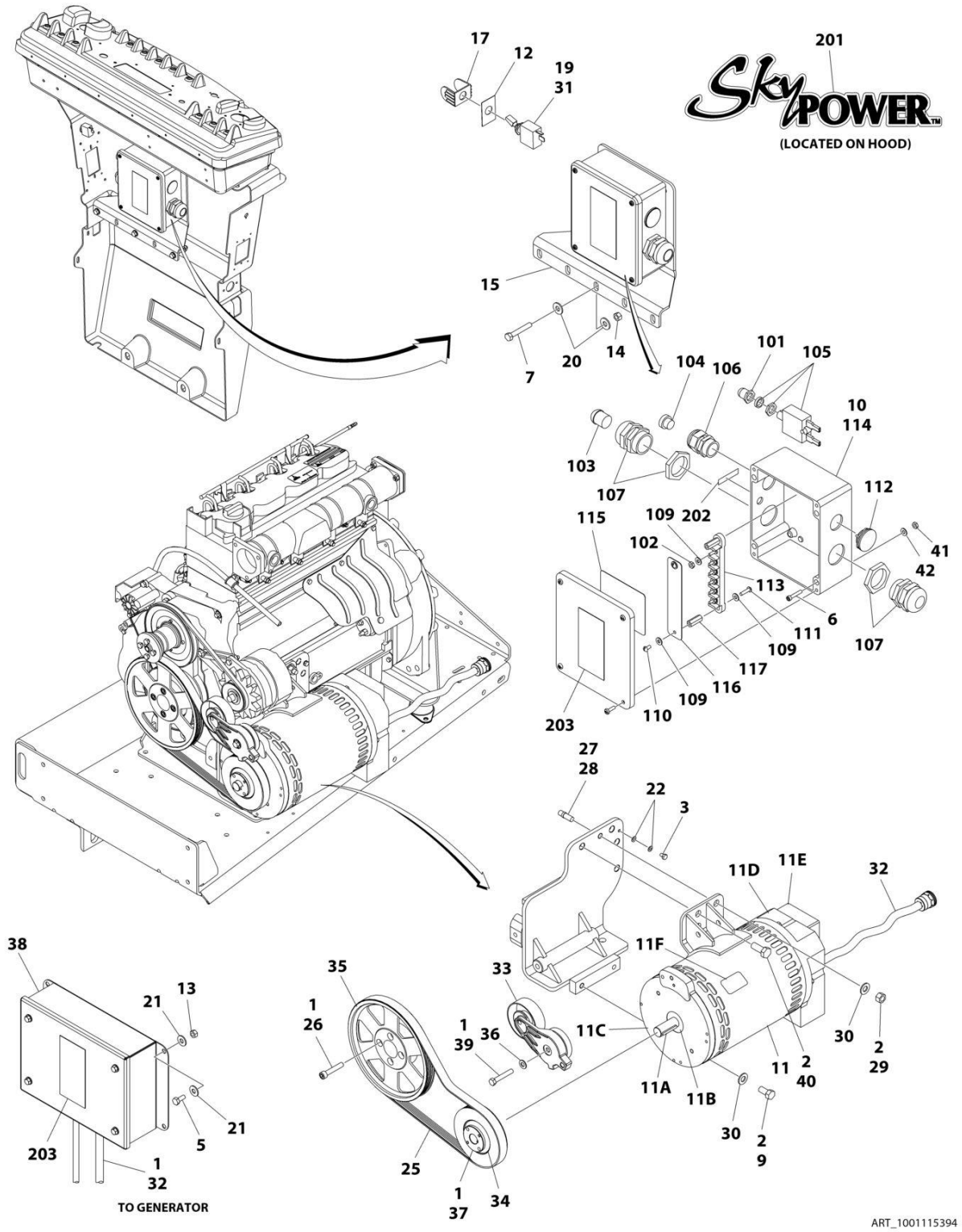


FIGURE 3-71. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115394	Ref	7500W/50HZ SKYPOWER GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641403	1	Bolt 1/4 x 3/8	
5	0641405	4	Bolt 1/4 x 5/8	
6	3931016	4	Capscrew 3/8 x 1	
7	0641516	3	Bolt 5/16 x 2	
9	0641808	2	Bolt 1/2 x 1	
10	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
11	2460048	1	Generator Assembly	
11	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
11	70001384	1	Bearing, Ball Radial (Not Shown):	
11	70000863	1	Fan (Not Shown)	
11	70002088	1	Stator (Not Shown)	
11	70002297	1	Stud	
11	70003631	1	Brushholder Assembly (Not Shown)	
11A	70004171	1	Key	
11B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
11B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
11B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
11C	70001953	1	Endbell, Belt Tensioner	
11D	70004169	1	Endbell, Brush Block	
11E	70004169	1	Shroud	
11E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
11E	7027799	1	Block, Connector 6 Position (Not Shown)	
11E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
11E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
11E	70001696	1	Boot, Breaker (Not Shown)	
11E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 36)	
11E	7026597	1	Connector, with Leads (Not Shown)	
11E	7026188	1	Clamp, Cable (Not Shown)	
11E	70004169	1	Plate, End Panel	
11E	70001974	1	Decal - Terminal Connections	
11F	70001973	1	Decal - Warning Moving Parts	
12	3252764	1	Nameplate	
13	3311405	4	Nut 1/4	
14	3311505	3	Nut 5/16	
15	0902888	1	Bracket, Box Mounting	
17	4060802	1	Guard, Switch	
19	4360336	1	Switch, Toggle	
20	4711500	6	Washer 5/16	
21	4751400	8	Washer 1/4	
22	4791400	2	Washer 1/4	
25	0480126	1	Belt, Drive	
26	4032015	4	Capscrew M10 X 55	
27	4300157	1	Stud	
28	0100062	AR	Adhesive	
29	3311801	1	Nut 1/2	
30	4711800	3	Washer 1/2	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	2820031	1	Heat Shrink	
32	4922925	1	Harness, Generator	
33	3580317	1	Tensioner, Belt with Pulley	
34	3580319	1	Pulley	
35	3580320	1	Pulley	
36	4711600	1	Washer 3/8	
37	0962520	1	Bushing, Split Taper	
38	0861572	1	Control Box Assembly	
38	7024488	1	Card, Circuit - Generator Power	
38	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
38	7024489	1	Card, Circuit - Control	
38	70000619	1	Harness, Control Box (Internal)	
38		Ref	Note: Same Circuit Card (P/N 7024489) is used for both 60Hz & 50Hz Specs. When replacing card, rocker switch on card must be set for required application.	
39	0641618	1	Bolt 3/8 x 2-1/4	
40	0771415	1	Bolt M14 x 35 Grade 10.9	
41	3311005	4	Nut #10	
42	4751000	4	Washer #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 - 15Amp	
106	4460425	1	Connector, Strain Relief	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer, #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug	
113	1001157520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase	
203	1705489	2	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/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

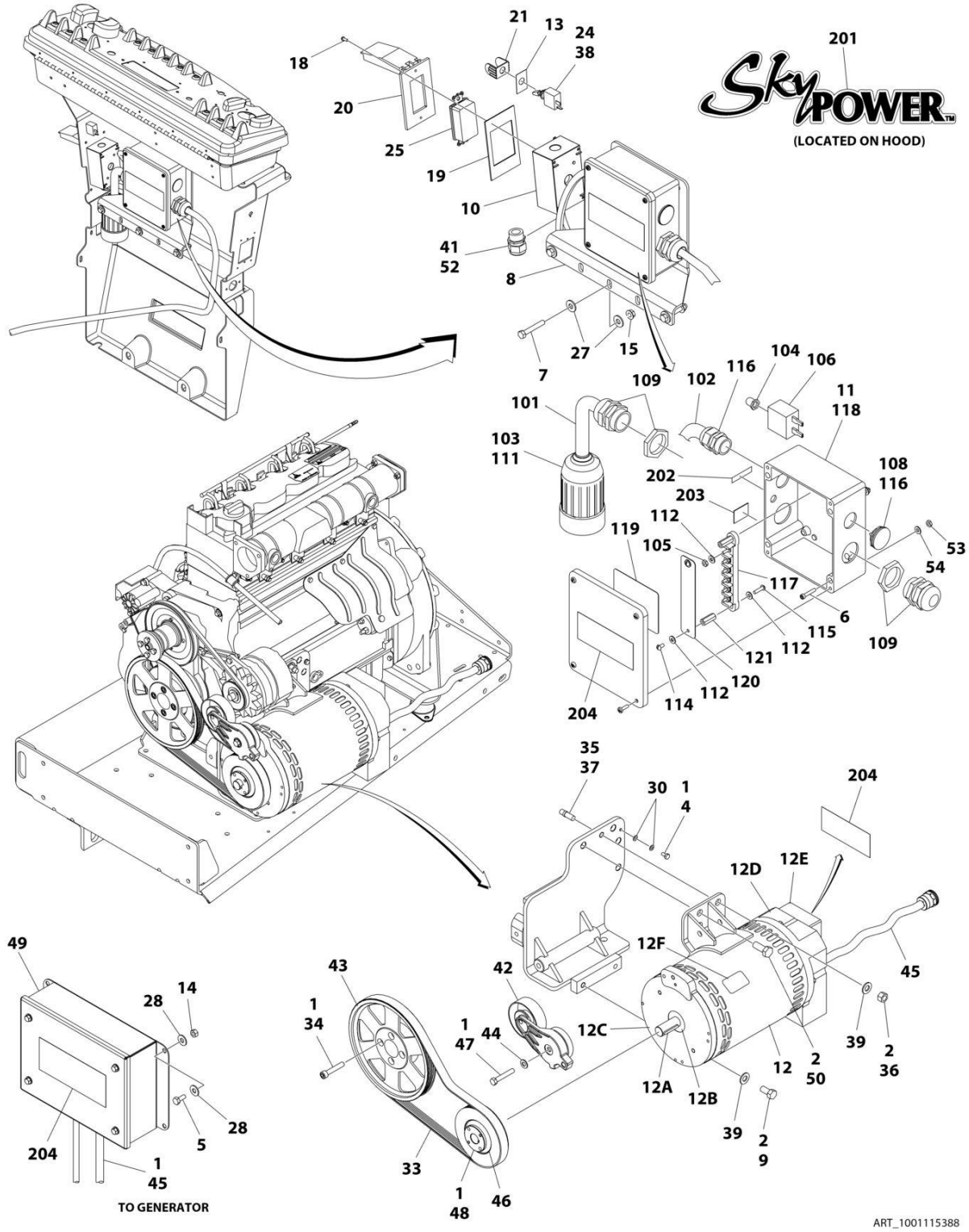


FIGURE 3-72. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115388	Ref	7500W SKYPOWER GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
4	0641404	1	Bolt 1/4 x 1/2	
5	0641405	4	Bolt 1/4 x 5/8	
6	3931016	4	Capscrew 3/8 x 1	
7	0641516	3	Bolt 5/16 x 2	
8	0902888	1	Bracket, Box Mounting	
9	0641808	2	Bolt 1/2 x 1	
10	0860038	1	Box, Switch	
11	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
12	2460048	1	Generator Assembly	
12	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
12	70001384	1	Bearing, Ball Radial (Not Shown):	
12	70000863	1	Fan (Not Shown)	
12	70002088	1	Stator (Not Shown)	
12	70002297	1	Stud	
12	70003631	1	Brushholder Assembly (Not Shown)	
12A	70004171	1	Key	
12B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
12B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
12B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
12C	70001953	1	Endbell, Belt Tensioner	
12D	70004169	1	Endbell, Brush Block	
12E	70004169	1	Shroud	
12E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
12E	7027799	1	Block, Connector 6 Position (Not Shown)	
12E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
12E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
12E	70001696	1	Boot, Breaker (Not Shown)	
12E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 36)	
12E	7026597	1	Connector, with Leads (Not Shown)	
12E	7026188	1	Clamp, Cable (Not Shown)	
12E	70004169	1	Plate, End Panel	
12E	70001974	1	Decal - Terminal Connections	
12F	70001973	1	Decal - Warning Moving Parts	
13	3252764	1	Nameplate	
14	3311405	4	Nut 1/4	
15	3311508	3	Nut, Flange 5/16	
18	3910606	4	Screw #6 x 3/8	
19	3960422	1	Gasket	
20	1001110873	1	Cover, Receptacle	
21	4060802	1	Guard, Switch	
24	4360336	1	Switch, Toggle	
25	4460346	1	Receptacle, Female (110-120V)	
27	4751500	3	Washer 5/16	
28	4751400	8	Washer 1/4	
30	4791400	2	Washer 1/4	
33	0480129	1	Belt, Drive	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
34	4032015	4	Capscrew M10 x 55	
35	4300157	1	Stud	
36	3311801	1	Nut 1/2	
37	0100062	AR	Adhesive	
38	2820031	1	Heat Shrink	
39	4711800	3	Washer 1/2	
41	4460071	1	Connector, Strain Relief	
42	3580317	1	Tensioner, Belt with Pulley	
43	3580320	1	Pulley	
44	4711600	1	Washer 3/8	
45	4922925	1	Harness, Generator	
46	3580318	1	Pulley	
47	0641618	1	Bolt 3/8 x 2-1/4	
48	0962520	1	Bushing, Split Taper	
49	0861538	1	Control Box Assembly	
49	7024488	1	Card, Circuit - Generator Power	
49	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
49	70000619	1	Harness, Control Box (Internal)	
49	7024489	1	Card, Circuit - Control	
49		Ref	Note: Same Circuit Card (P/N 7024489) is used for both 60Hz & 50Hz Specs. When replacing card, rocker switch on card must be set for required application.	
50	0771415	1	Bolt M14 x 35 Grade 10.9	
52	0100020	AR	Sealant	
53	3311005	4	Nut #10	
54	4751000	4	Washer #10	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	
101	1060343	1.5 ft /.46m	Cable, Electrical 10/4	
102	1001179154	2.5 ft /76cm	Cable, Electrical 12/3	
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	10	Washer, #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V - 60Hz (60Hz Spec Only) (Not Shown - Located at Platform Receptacle)	
203	1705375	1	Decal - 240V - 3 Phase	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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 3-73. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES

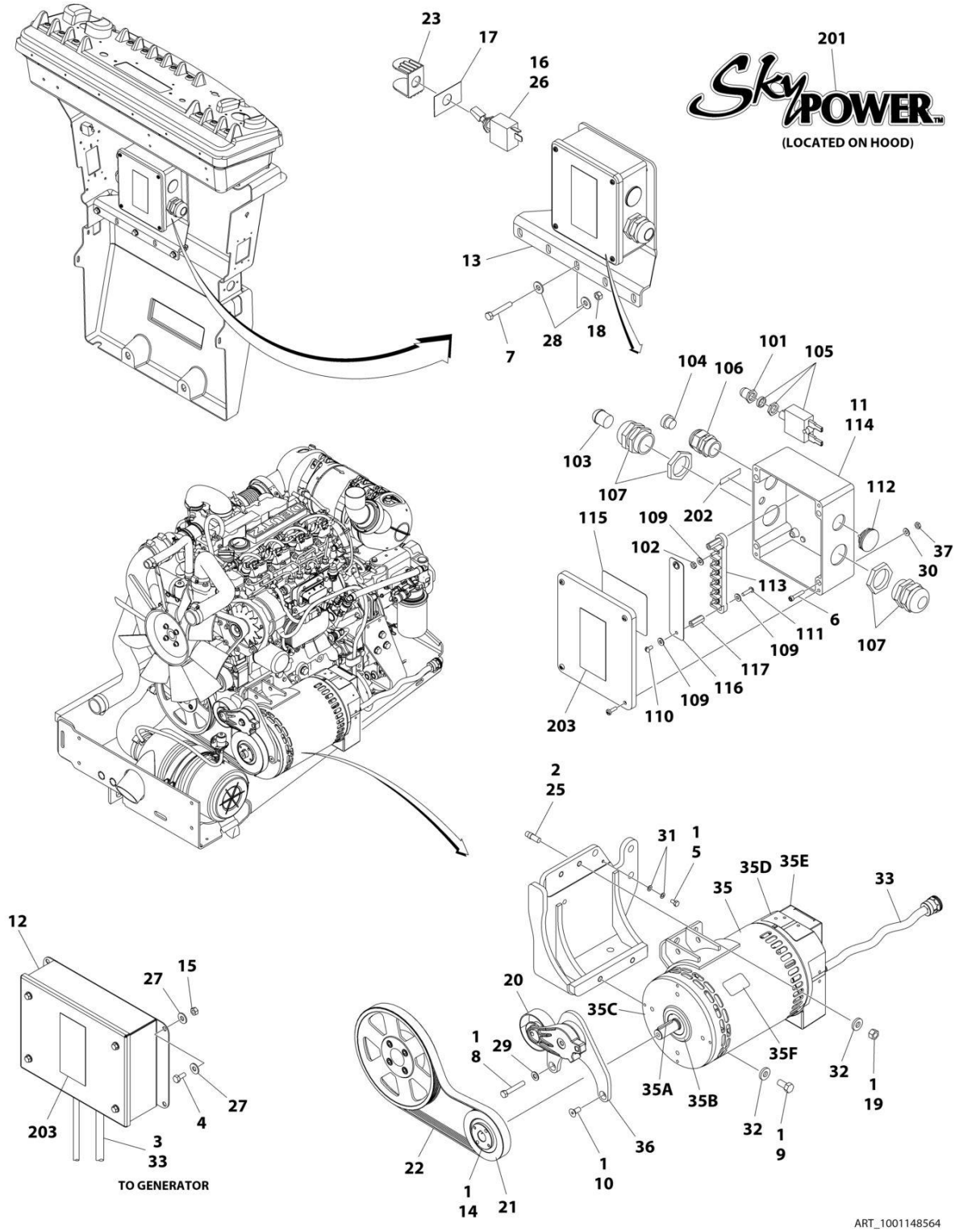


FIGURE 3-73. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148564	Ref	7500W SKYPOWER GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Compound, Silicone	
4	0641405	4	Bolt 1/4 x 5/8	
5	0641404	1	Bolt 1/4 x 1/2	
6	3931016	4	Capscrew 3/8 x 1	
7	0641516	3	Bolt 5/16 x 2	
8	0641618	1	Bolt 3/8 x 2-1/4	
9	0641808	2	Bolt 1/2 x 1	
10	0741607	3	Screw 3/8 x 7/8	
11	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
12	0861572	1	Control Box Assembly	
12	7024488	1	Card, Circuit - Generator Power	
12	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
12	7024489	1	Card, Circuit - Control	
12	70000619	1	Harness, Control Box (Internal)	
		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	0902888	1	Bracket, Box Mounting	
14	0962520	1	Bushing, Split Taper	
15	3311405	4	Nut 1/4	
16	2820031	1	Heat Shrink	
17	3252764	1	Nameplate	
18	3311505	3	Nut 5/16	
19	3311801	2	Nut 1/2	
20	3580317	1	Tensioner, Belt with Pulley	
21	3580319	1	Pulley	
22	1001142645	1	Belt, Drive	
23	4060802	1	Guard, Switch	
24	4240018	AR	Tie-Strap (Not Shown)	
25	1001163599	2	Stud	
26	4360336	1	Switch, Toggle	
27	4751400	8	Washer 1/4	
28	4711500	6	Washer 5/16	
29	4711600	1	Washer 3/8	
30	4751000	4	Washer #10	
31	4791400	2	Washer 1/4	
32	4891800	4	Washer 1/2 Hardened	
33	4922925	1	Harness, Generator	
35	1001212223	Ref	Generator Assembly	
35	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
35	70001384	1	Bearing, Ball Radial (Not Shown):	
35	70000863	1	Fan (Not Shown)	
35	70006093	1	Stator (Not Shown)	
35	70002297	1	Stud	
35	70003631	1	Brushholder Assembly (Not Shown)	
35A	70004099	1	Key	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
35B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
35B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
35B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
35C	70004092	1	Endbell, Belt Tensioner	
35D	70004094	1	Endbell, Brush Block	
35E	70006094	1	Shroud	
35E	70002291	1	Insulator, Endbell	
35E	7027799	1	Block, Connector 6 Position (Not Shown)	
35E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
35E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
35E	70006096	1	Boot, Breaker Options (Not Shown):	
35E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 36)	
35E	7026597	1	Connector, with Leads (Not Shown)	
35E	70004098	1	Clamp, Cable (Not Shown)	
35E	70006097	1	Plate, End Panel	
35E	70001974	1	Decal - Terminal Connections	
35F	70001973	1	Decal - Warning Moving Parts	
36	1001142643	1	Support	
37	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 - 15Amp	
106	4460425	1	Connector, Strain Relief	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer, #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug	
113	1001157520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
203	1705461	1	Decal - 240V - 3 Phase	
204	1705489	2	Decal, Hazardous Voltage	
	1001157770	Ref	ELECTRICAL DIAGRAM COMPONENTS	A
301	1001119968	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 AND DEUTZ TD2.9L4 (STAGE V) ENGINES

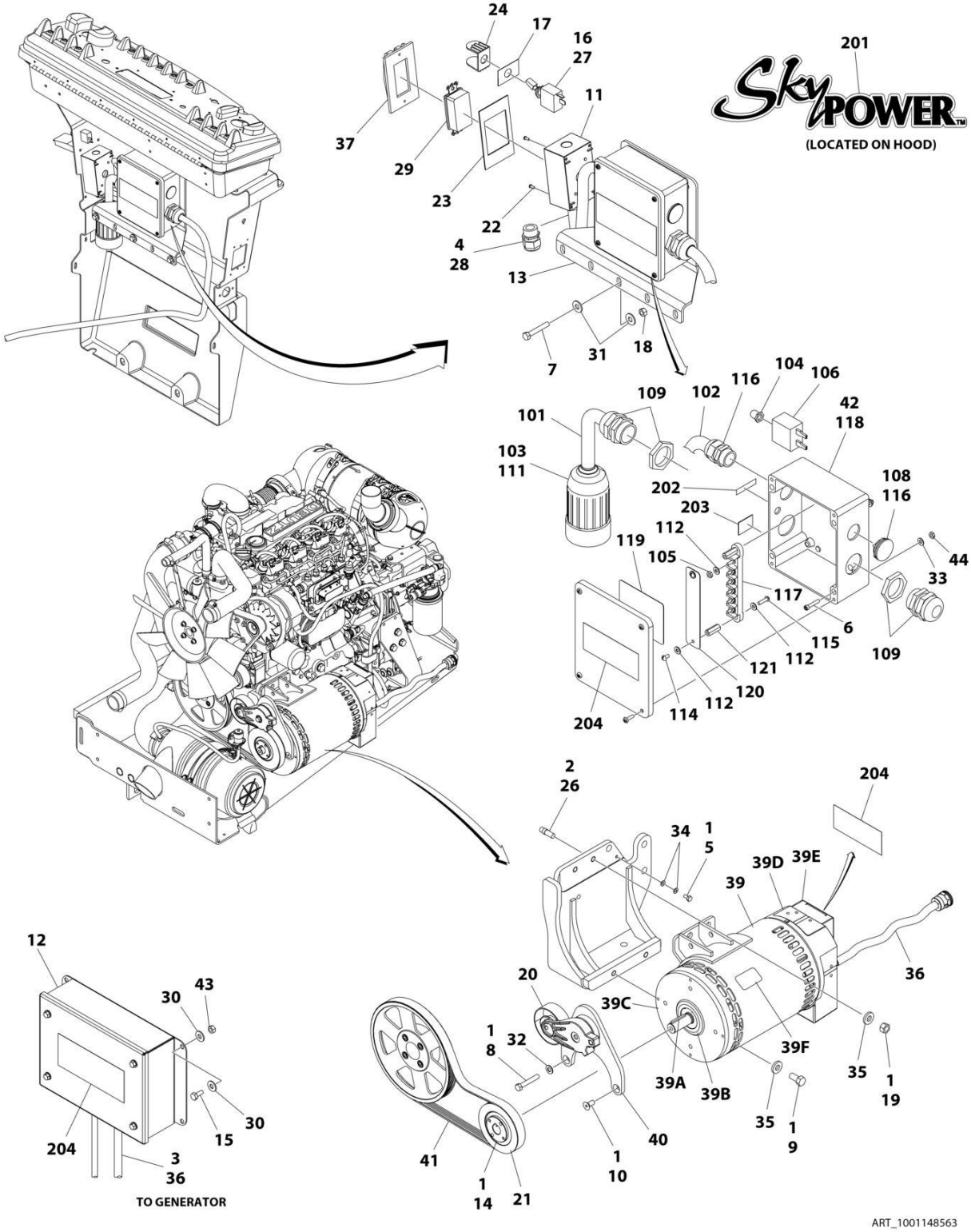


FIGURE 3-74. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148563	Ref	7500W SKYPOWER GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Compound, Silicone	
4	0100079	AR	Sealant	
5	0641404	1	Bolt 1/4 x 1/2	
6	3931016	4	Capscrew 3/8 x 1	
7	0641516	3	Bolt 5/16 x 2	
8	0641618	1	Bolt 3/8 x 2-1/4	
9	0641808	2	Bolt 1/2 x 1	
10	0741607	3	Screw 3/8 x 7/8	
11	0860038	1	Box, Switch	
12	0861538	1	Control Box Assembly	
12	7024488	1	Card, Circuit - Generator Power	
12	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
12	70000619	1	Harness, Control Box (Internal)	
12	7024489	1	Card, Circuit - Control	
12		Ref	Note: Same Circuit Card (P/N 7024489) is used for both 60Hz & 50Hz Specs. When replacing card, rocker switch on card must be set for required application.	
13	0902888	1	Bracket, Box Mounting	
14	0962520	1	Bushing, Split Taper	
15	0641405	4	Bolt 1/4 x 5/8	
16	2820031	1	Heat Shrink	
17	3252764	1	Nameplate	
18	3311505	3	Nut 5/16	
19	3311801	2	Nut 1/2	
20	3580317	1	Tensioner, Belt with Pulley	
21	3580318	1	Pulley	
22	3910606	4	Screw #6 x 3/8	
23	3960422	1	Gasket	
24	4060802	1	Guard, Switch	
25	4240018	AR	Tie-Strap (Not Shown)	
26	1001163599	2	Stud	
27	4360336	1	Switch, Toggle	
28	4460071	1	Connector, Strain Relief	
29	4460346	1	Receptacle, Female (110-120V)	
30	4711400	8	Washer 1/4	
31	4711500	6	Washer 5/16	
32	4711600	1	Washer 3/8	
33	4751000	4	Washer #10	
34	4791400	2	Washer 1/4	
35	4891800	4	Washer 1/2 Hardened	
36	4922925	1	Harness, Generator	
37	1001110873	1	Cover, Receptacle	
39	1001212223	Ref	Generator Assembly	
39	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
39	70001384	1	Bearing, Ball Radial (Not Shown):	
39	70000863	1	Fan (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	70006093	1	Stator (Not Shown)	
39	70002297	1	Stud	
39	70003631	1	Brush holder Assembly (Not Shown)	
39A	70004099	1	Key	
39B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
39B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
39B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
39C	70004092	1	Endbell, Belt Tensioner	
39D	70004094	1	Endbell, Brush Block	
39E	70006094	1	Shroud	
39E	70002291	1	Insulator, Endbell	
39E	7027799	1	Block, Connector 6 Position (Not Shown)	
39E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
39E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
39E	70006096	1	Boot, Breaker Options (Not Shown):	
39E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 36)	
39E	7026597	1	Connector, with Leads (Not Shown)	
39E	70004098	1	Clamp, Cable (Not Shown)	
39E	70006097	1	Plate, End Panel	
39E	70001974	1	Decal - Terminal Connections	
39F	70001973	1	Decal - Warning Moving Parts	
40	1001142643	1	Support	
41	1001142646	1	Belt, Drive	
42	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
43	3311405	4	Nut 1/4	
44	3311005	4	Nut #10	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	D
101	1060343	1.5 ft /.46m	Cable, Electrical 10/4	
102	1001179154	2.5 ft /76cm	Cable, Electrical 12/3	
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	10	Washer, #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V - 60Hz (60Hz Spec Only) (Not Shown - Located at Platform Receptacle)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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 DF 2.5L ENGINES

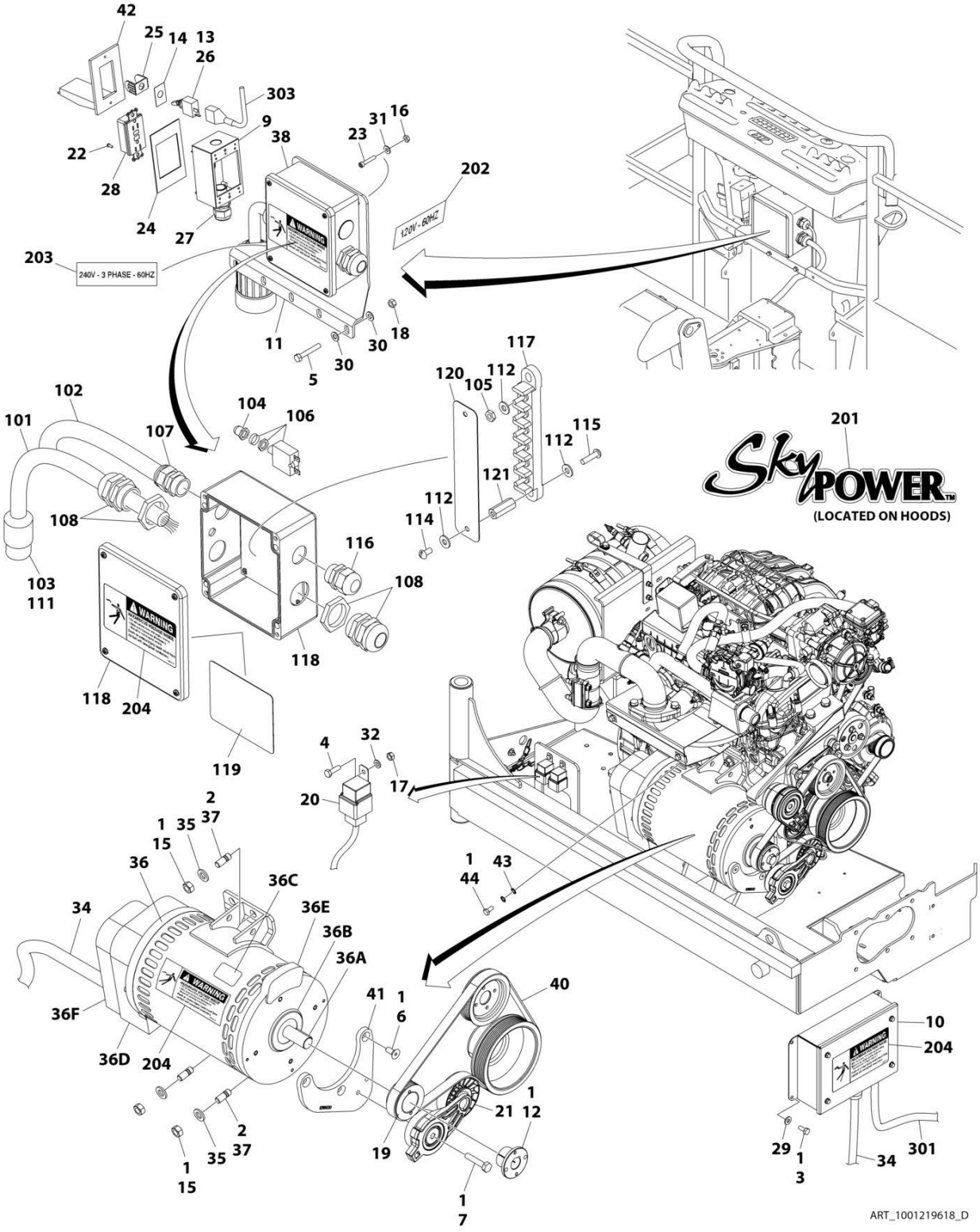


FIGURE 3-75. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION – FORD DF 2.5L ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219618	Ref	7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES	D
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Components.	
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641405	4	Bolt 1/4 x 5/8	
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	
9	0860038	1	Box, Switch	
10	0861538	1	Control Box Assembly	
10	7024488	1	Card, Circuit - Generator Power	
10	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
10	7024489	1	Card, Circuit - Control	
10	70000619	1	Harness, Circuit Card	
11	0902888	1	Bracket, Box Mounting	
12	0962520	1	Bushing, Split Taper	
13	2820031	1	Heat Shrink	
14	3252764	1	Nameplate - AC & Weld	
15	3291201	4	Nut M12	
16	3311005	4	Nut #10	
17	3290601	2	Nut M6	
18	3311505	3	Nut 5/16	
19	3580314	1	Pulley	
20	3740080	2	Relay	
21	3580317	1	Tensioner, Belt	
22	3910606	2	Screw #6 x 3/8	
23	3931016	4	Capscrew #10 x 1	
24	3960422	1	Gasket	
25	4060802	1	Guard, Switch	
26	4360336	1	Switch, Toggle	
27	4460071	1	Connector, Strain Relief	
28	4460346	1	Receptacle	
29	4711400	4	Washer 1/4	
30	4711500	6	Washer 5/16	
31	4751000	4	Washer #10	
32	4811700	2	Washer M6	
34	4922925	1	Harness, Generator	
35	5241200	4	Washer M12	
36	1001136104	1	Generator Assembly	
36	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
36	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
36	70001696	1	Boot, Breaker (was p/n 7024486 - Not Shown)	
36	70001966	1	Bearing, Ball Radial (Located In Belt Tensioner Endbell - Not Shown)	
36	7027799	1	Block, Connector 6 Position (Not Shown)	
36	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
36	7026188	1	Clamp, Cable (Not Shown)	
36	7026597	1	Connector, W/Leads (Not Shown)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
36	7026626	1	Connector - 6 Position with Seal (Not Shown)	
36	70002088	1	Stator (Not Shown)	
36	70004169	1	Panel, End (Not Shown) (was p/n 70002255)	
36	70001974	1	Decal - Terminal Connections (Not Shown)	
36	70000863	1	Fan (Not Shown)	
36	70002297	4	Stud (Not Shown)	
36A	70004171	1	Key (was p/n 7024561)	
36A	70001100	1	Armature, Generator (Includes Radial Ball Bearing on End with Brushes and Fan)	
36A	70001384	1	Bearing, Ball Radial	
36B	70001966	1	Bearing, Radial Ball	
36B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
36B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
36C	70001973	1	Decal - Warning Moving Parts	
36D	70004169	1	Endbell, Brush Block (was p/n 70001385)	
36E	70001953	1	Endbell, Belt Tensioner	
36F	70004169	1	Endbell, Shroud Assembly (was p/n 70002290)	
37	1001196382	4	Stud	
38	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
40	1001216390	1	V-Belt	
41	1001218930	1	Mount, Tensioner	
42	1001110873	1	Cover, Receptacle	
43	4871700	2	Washer M6	
44	0760606	1	Bolt M6 x 12	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft /0.46m	Cable, Electrical - 10/4 (60Hz Only)	
102	1001179154	2.5 ft /0.76m	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 (60Hz Spec Only) (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 to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION)	
303	4922641	1	Generator On/Off Switch Harness	

SECTION 4 - BOOM

SECTION 4 - BOOM

FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION (800S HC3) (Prior to SN 0300297258)

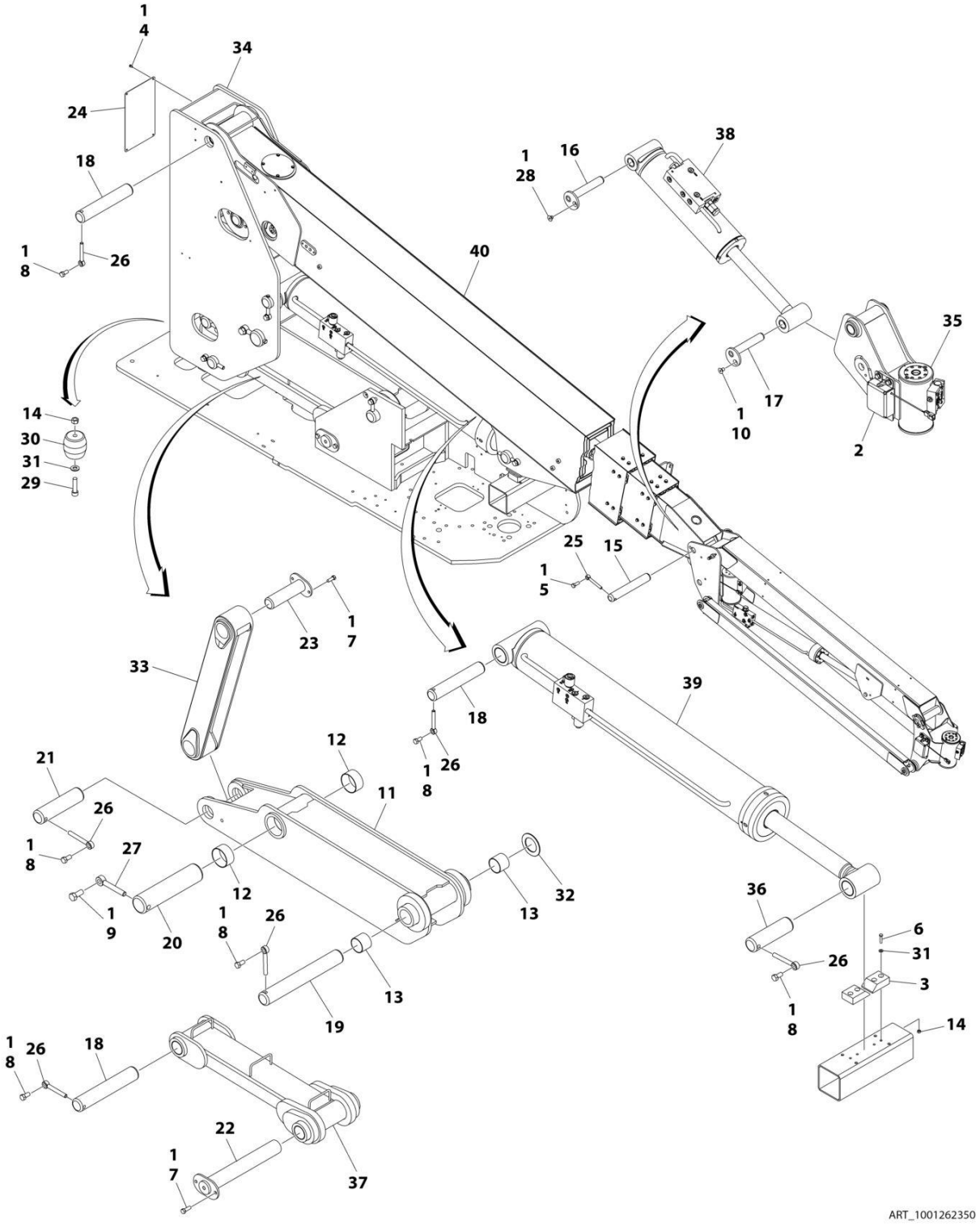


FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION (800S HC3) (Prior to SN 0300297258)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262350	Ref	BOOM AND CYLINDERS INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0273695	1	Level Switch Installation	
3	0561380	2	Block, Boom Rest	
4	0641504	4	Bolt 5/16 x 1/2	
5	0641608	1	Bolt 3/8 x 1	
6	0641613	4	Bolt 3/8 x 1-5/8	
7	0642014	4	Bolt 5/8 x 1-3/4	
8	0642212	6	Bolt 3/4 x 1-1/2	
9	0642618	1	Bolt 1 x 2-1/4	
10	0741605	1	Bolt 3/8 x 5/8	
11	0801279	1	Tower	
12	0962122	2	Bushing	
13	0962297	2	Bushing	
14	3311605	6	Nut 3/8	
15	3422562	1	Pin	
16	3422569	1	Pin	
17	3422580	1	Pin	
18	3422908	3	Pin	
19	3422909	1	Pin	
20	3422910	1	Pin	
21	3422920	1	Pin	
22	3422930	1	Pin	
23	3422931	1	Pin	
24	3573050	1	Cover	
25	3841143	1	Keeper, Pin	
26	3841287	6	Keeper, Pin	
27	3841356	1	Keeper, Pin	
28	3900192	1	Bolt 3/8 x 1/2	
29	3931624	2	Bolt 3/8 x 1-1/2	
30	4160187	2	Spring	
31	4711600	6	Washer 3/8	
32	4740492	1	Washer	
33	1001117804	1	Link, Timing	
34	1001258003	1	Boom, Upright	
35	1001181060	1	Actuator, Platform Rotate	
36	1001196221	1	Pin	
37	1001201602	1	Link, Tension	
38	1001228027	1	Lift Cylinder Assembly - Tower Boom (See Separate Breakdown in CYLINDER Section)	
39	1001228028	1	Lift Cylinder Assembly - Tower Boom (See Separate Breakdown in CYLINDER Section)	
40	1001262351	1	Boom Assembly - Main (See Separate Breakdown in this Section)	

FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION (800S HC3) (SN 0300297258 to Present)

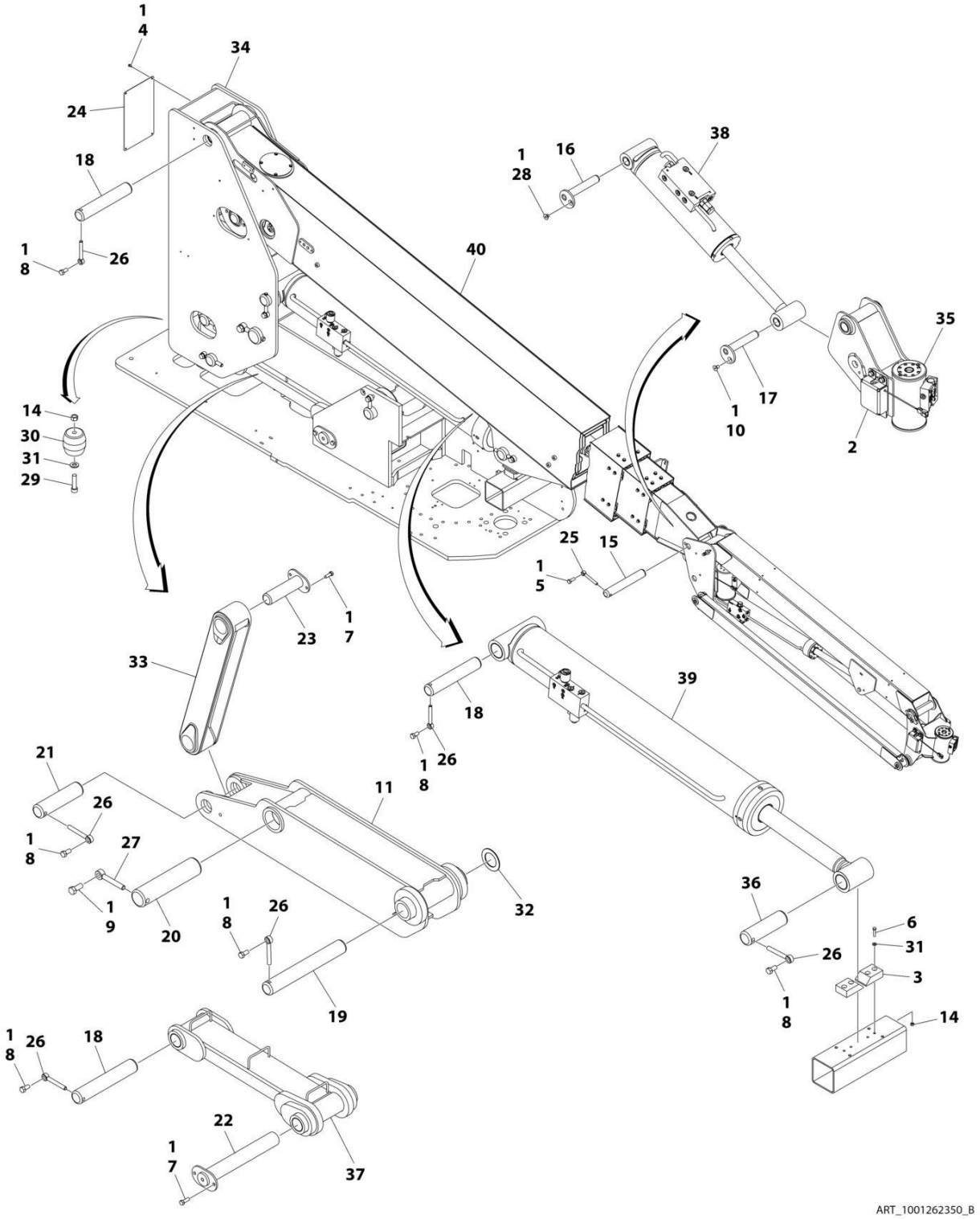


FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION (800S HC3) (SN 0300297258 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262350	Ref	BOOM AND CYLINDERS INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0273695	1	Level Switch Installation	
3	0561380	2	Block, Boom Rest	
4	0641504	4	Bolt 5/16 x 1/2	
5	0641608	1	Bolt 3/8 x 1	
6	0641613	4	Bolt 3/8 x 1-5/8	
7	0642014	4	Bolt 5/8 x 1-3/4	
8	0642212	6	Bolt 3/4 x 1-1/2	
9	0642618	1	Bolt 1 x 2-1/4	
10	0741605	1	Bolt 3/8 x 5/8	
11	0801279	1	Tower	
14	3311605	6	Nut 3/8	
15	3422562	1	Pin	
16	3422569	1	Pin	
17	3422580	1	Pin	
18	3422908	3	Pin	
19	3422909	1	Pin	
20	3422910	1	Pin	
21	3422920	1	Pin	
22	3422930	1	Pin	
23	3422931	1	Pin	
24	3573050	1	Cover	
25	3841143	1	Keeper, Pin	
26	3841287	6	Keeper, Pin	
27	3841356	1	Keeper, Pin	
28	3900192	1	Bolt 3/8 x 1/2	
29	3931624	2	Bolt 3/8 x 1-1/2	
30	4160187	2	Spring	
31	4711600	6	Washer 3/8	
32	4740492	1	Washer	
33	1001117804	1	Link, Timing	
34	1001258003	1	Boom, Upright	
35	1001181060	1	Actuator, Platform Rotate	
36	1001196221	1	Pin	
37	1001201602	1	Link, Tension	
38	1001251027	1	Lift Cylinder Assembly - Tower Boom (See Separate Breakdown in CYLINDER Section)	
39	1001251028	1	Lift Cylinder Assembly - Tower Boom (See Separate Breakdown in CYLINDER Section)	
40	1001262351	1	Boom Assembly - Main (See Separate Breakdown in this Section)	

FIGURE 4-3. BOOM AND CYLINDERS INSTALLATION (MACHINES WITH SN STARTING WITH 03) (860SJ HC3)

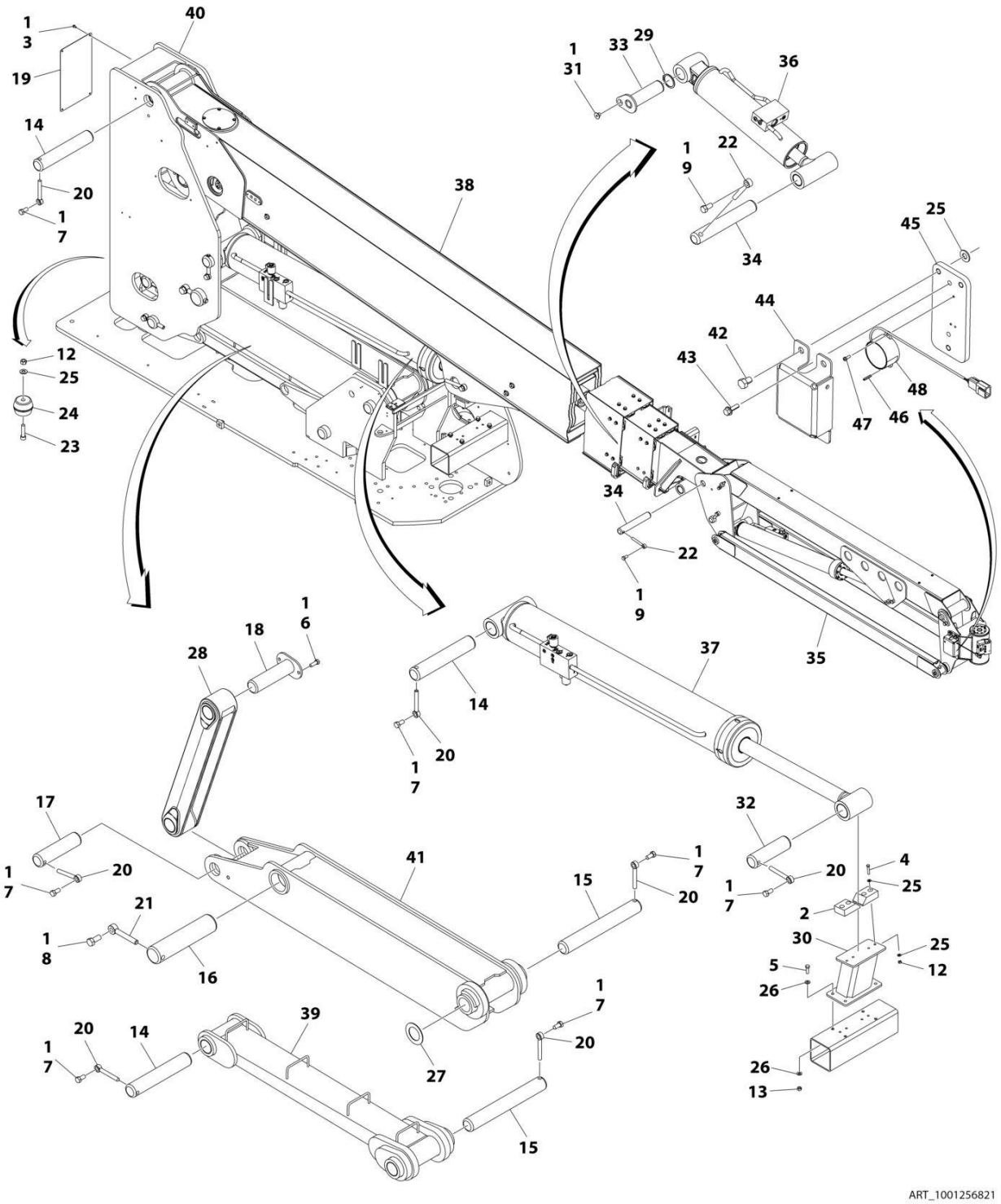


FIGURE 4-3. BOOM AND CYLINDERS INSTALLATION (MACHINES WITH SN STARTING WITH 03) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256821	Ref	BOOMS AND CYLINDERS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0561380	2	Block, Boom Rest	
3	0641504	4	Bolt 5/16 x 1/2	
4	0641615	4	Bolt 3/8 x 1-7/8	
5	0641812	4	Bolt 1/2 x 1-1/2	
6	0642014	2	Bolt 5/8 x 1-3/4	
7	0642212	7	Bolt 3/4 x 1-1/2	
8	0642618	1	Bolt 1 x 2-1/4	
9	0761212	2	Bolt M12 x 25	
12	3311605	6	Nut 3/8	
13	3311805	4	Nut 1/2	
14	3422908	3	Pin	
15	3422909	2	Pin	
16	3422910	1	Pin	
17	3422920	1	Pin	
18	3422931	1	Pin	
19	3573050	1	Cover	
20	3841287	7	Keeper, Pin	
21	3841356	1	Keeper, Pin	
22	3841709	2	Keeper, Pin	
23	3931624	2	Capscrew 3/8 x 1-1/2	
24	4160187	2	Spring, Rubber	
25	4711600	16	Washer 3/8	
26	4711800	8	Washer 1/2	
27	4740492	1	Thrustwasher	
28	1001117805	1	Power Link Weldment	
29	1001138671	1	Ring, Snap	
30	1001157837	1	Rest, Boom	
31	1001192027	1	Screw M10 x 12	
32	1001196221	1	Pin	
33	1001237142	1	Pin	
34	1001237949	2	Pin	
35	1001238328	1	Jib Boom Assembly (See Separate Breakdown in this Section)	
36	1001247466	1	Level Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
37	1001251029	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
38	1001256709	1	Boom Assembly (See Separate Breakdown in this Section)	
39	1001257776	1	Link	
40	1001258003	1	Upright	
41	1001258007	1	Boom, Tower	
42	0641604	6	Bolt 3/8 x 1/2	
43	0780610	4	Bolt M6 x 20	
44	1671044	2	Cover, Sensor	
45	3200449	2	Mount, Sensor	
46	3440410	2	Rollpin	
47	3930606	4	Capscrew #6 x 3/8	
48	1001147479	2	Sensor	

FIGURE 4-4. BOOM AND CYLINDERS INSTALLATION (MACHINES WITH SN STARTING WITH B3) (860SJ HC3)

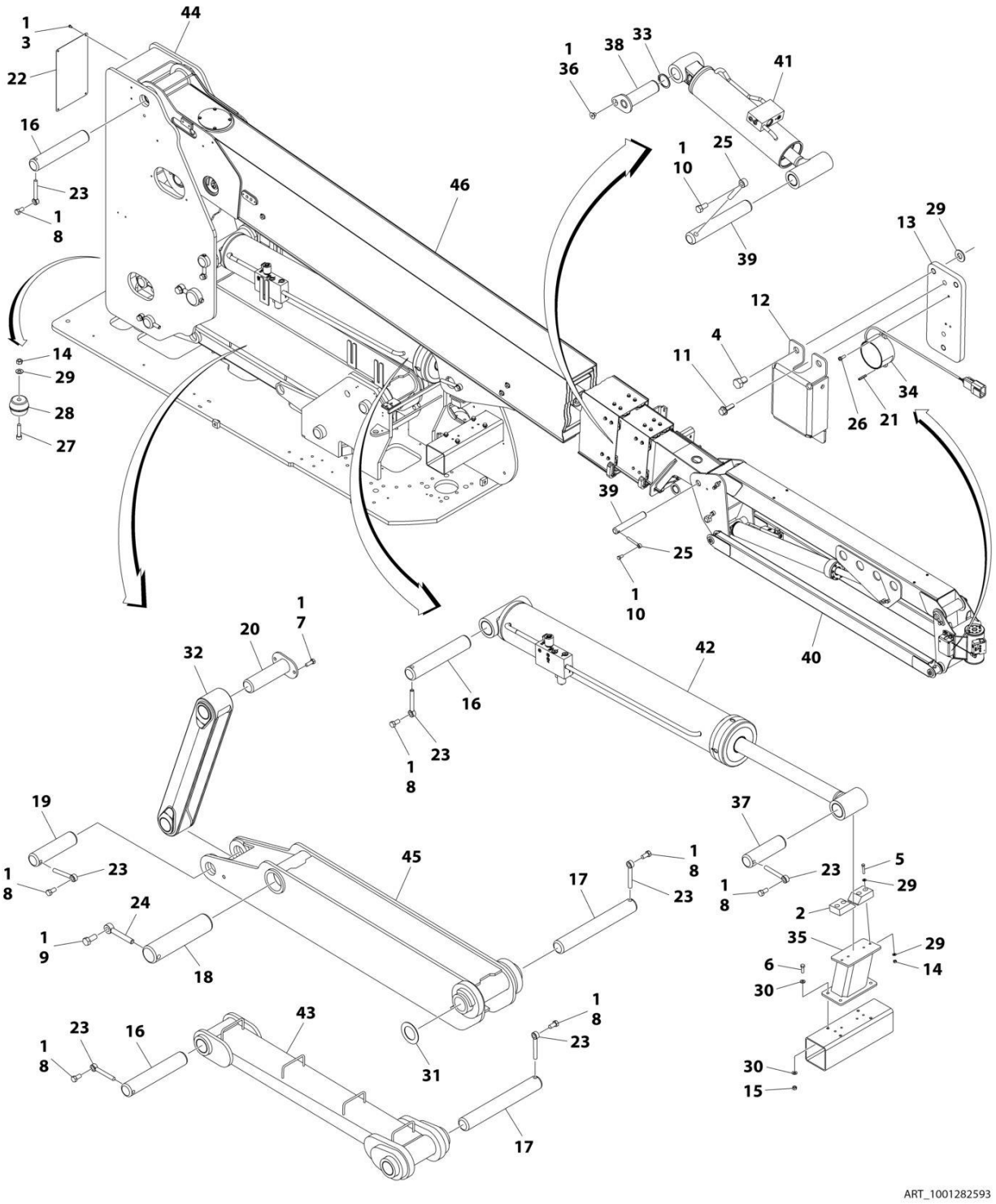


FIGURE 4-4. BOOM AND CYLINDERS INSTALLATION (MACHINES WITH SN STARTING WITH B3) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282593	Ref	BOOMS AND CYLINDERS INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0561380	2	Block, Boom Rest	
3	0641504	4	Bolt 5/16 x 1/2	
4	0641604	6	Bolt 3/8 x 1/2	
5	0641615	4	Bolt 3/8 x 1-7/8	
6	0641812	4	Bolt 1/2 x 1-1/2	
7	0642014	2	Bolt 5/8 x 1-3/4	
8	0642212	7	Bolt 3/4 x 1-1/2	
9	0642618	1	Bolt 1 x 2-1/4	
10	0761212	2	Bolt M12 x 25	
11	0780610	4	Bolt M6 x 20	
12	1671044	2	Cover, Sensor	
13	3200449	2	Mount, Sensor	
14	3311605	6	Nut 3/8	
15	3311805	4	Nut 1/2	
16	3422908	3	Pin	
17	3422909	2	Pin	
18	3422910	1	Pin	
19	3422920	1	Pin	
20	3422931	1	Pin	
21	3440410	2	Rollpin	
22	3573050	1	Cover	
23	3841287	7	Keeper, Pin	
24	3841356	1	Keeper, Pin	
25	3841709	2	Keeper, Pin	
26	3930606	4	Capscrew #6 x 3/8	
27	3931624	2	Capscrew 3/8 x 1-1/2	
28	4160187	2	Spring, Rubber	
29	4711600	16	Washer 3/8	
30	4711800	8	Washer 1/2	
31	4740492	1	Thrustwasher	
32	1001117805	1	Power Link Weldment	
33	1001138671	1	Ring, Snap	
34	1001147479	2	Sensor	
35	1001157837	1	Rest, Boom	
36	1001192027	1	Screw M10 x 12	
37	1001196221	1	Pin	
38	1001237142	1	Pin	
39	1001237949	2	Pin	
40	1001238328	1	Jib Boom Assembly (See Separate Breakdown in this Section)	
41	1001247466	1	Level Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
42	1001251029	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
43	1001257776	1	Link	
44	1001258003	1	Upright	
45	1001258007	1	Boom, Tower	
46	1001282592	1	Boom Assembly (See Separate Breakdown in this Section)	

SECTION 4 - BOOM

FIGURE 4-5. MAIN BOOM ASSEMBLY (800S HC3) (Prior to SN 0300296333, Excluding 0300295806)

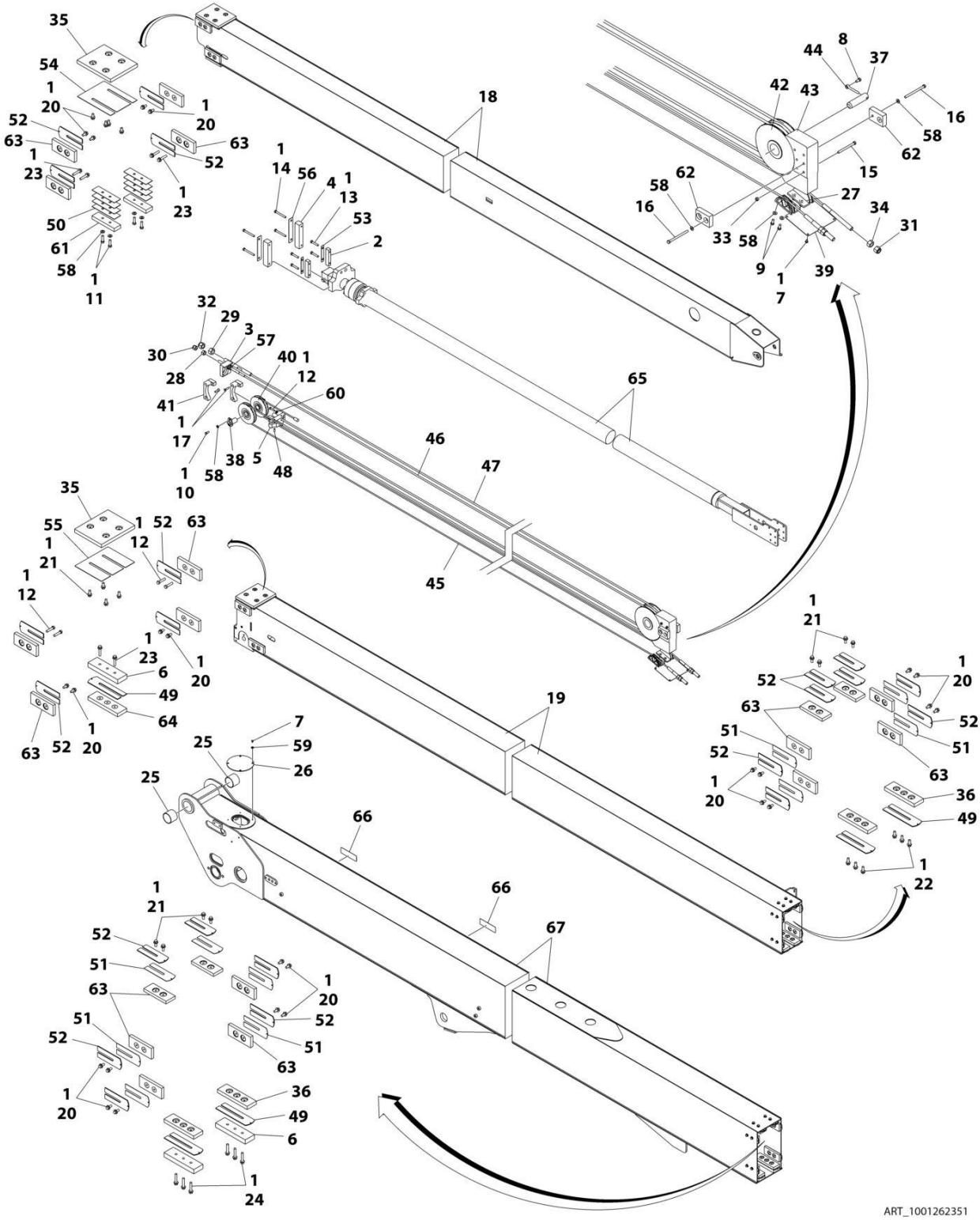


FIGURE 4-5. MAIN BOOM ASSEMBLY (800S HC3) (Prior to SN 0300296333, Excluding 0300295806)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262351	Ref	MAIN BOOM ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0561185	2	Block, Attach	
3	0561445	1	Block, Switch	
4	0561446	2	Block	
5	0561447	1	Block, Cable	
6	0561449	3	Block, Spacer	
7	0641403	8	Bolt 1/4 x 3/8	
8	0641606	1	Bolt 3/8 x 3/4	
9	0641607	4	Bolt 3/8 x 7/8	
10	0641608	2	Bolt 3/8 x 1	
11	0641610	4	Bolt 3/8 x 1-1/4	
12	0641613	6	Bolt 3/8 x 1-5/8	
13	0641616	4	Bolt 3/8 x 2	
14	0641626	4	Bolt 3/8 x 3-1/4	
15	0641634	4	Bolt 3/8 x 4-1/4	
16	0641640	2	Bolt 3/8 x 5	
17	0741612	6	Bolt 3/8 x 1-1/2	
18	0801275	1	Fly Boom	
19	0801649	1	Middle Boom	
20	0811606	28	Bolt 3/8 x 3/4	
21	0811607	12	Bolt 3/8 x 7/8	
22	0811608	6	Bolt 3/8 x 1	
23	0811614	6	Bolt 3/8 x 1-3/4	
24	0811616	6	Bolt 3/8 x 2	
25	0962297	2	Bushing	
26	1120510	1	Cover, Upright	
27	1220078	2	Sheave, Block	
28	3272001	1	Nut 5/8	
29	3272401	1	Nut 7/8	
30	3300240	1	Nut 5/8	
31	3300241	2	Nut 3/4	
32	3300242	1	Nut 7/8	
33	3311605	4	Nut 3/8	
34	3312201	2	Nut 3/4	
35	3340757	2	Pad, Wear	
36	3340871	4	Pad, Wear	
37	3422417	1	Pin	
38	3422424	2	Pin	
39	3539622	1	Plate, Cover	
40	3580243	2	Sheave Assembly, Retract	
41	3580249	2	Sheave Guard, Retract	
42	3580288	1	Sheave Assembly, Extend	
43	3580289	1	Sheave Guard, Extend	
44	3841143	1	Keeper, Pin	
45	3890013	2	Rope, Wire	
46	3890014	1	Rope, Wire	
47	3890015	1	Rope, Wire	
48	3951608	2	Bolt 3/8 x 1	
49	4070863	5	Shim #11	

SECTION 4 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4070895	8	Shim #16	
51	4070897	10	Shim, Wear Pad	
52	4070898	22	Shim #11	
53	4070929	2	Shim #16	
54	4070939	1	Shim #16	
55	4070940	1	Shim #16	
56	4071020	2	Shim #16	
57	4160149	1	Spring	
58	4711600	12	Washer 3/8	
59	4751400	4	Washer 1/4	
60	4891600	2	Washer 3/8	
61	1001148650	2	Pad, Wear	
62	1001148651	2	Pad, Wear	
63	1001148652	20	Pad, Wear	
64	1001148653	1	Pad, Wear	
65	1001228081	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
66	1001250737	2	Cover, Boom	
67	1001262352	1	Base Boom	

SECTION 4 - BOOM

FIGURE 4-6. MAIN BOOM ASSEMBLY (800S HC3) (SN 0300296333 to Present, Including 0300295806)

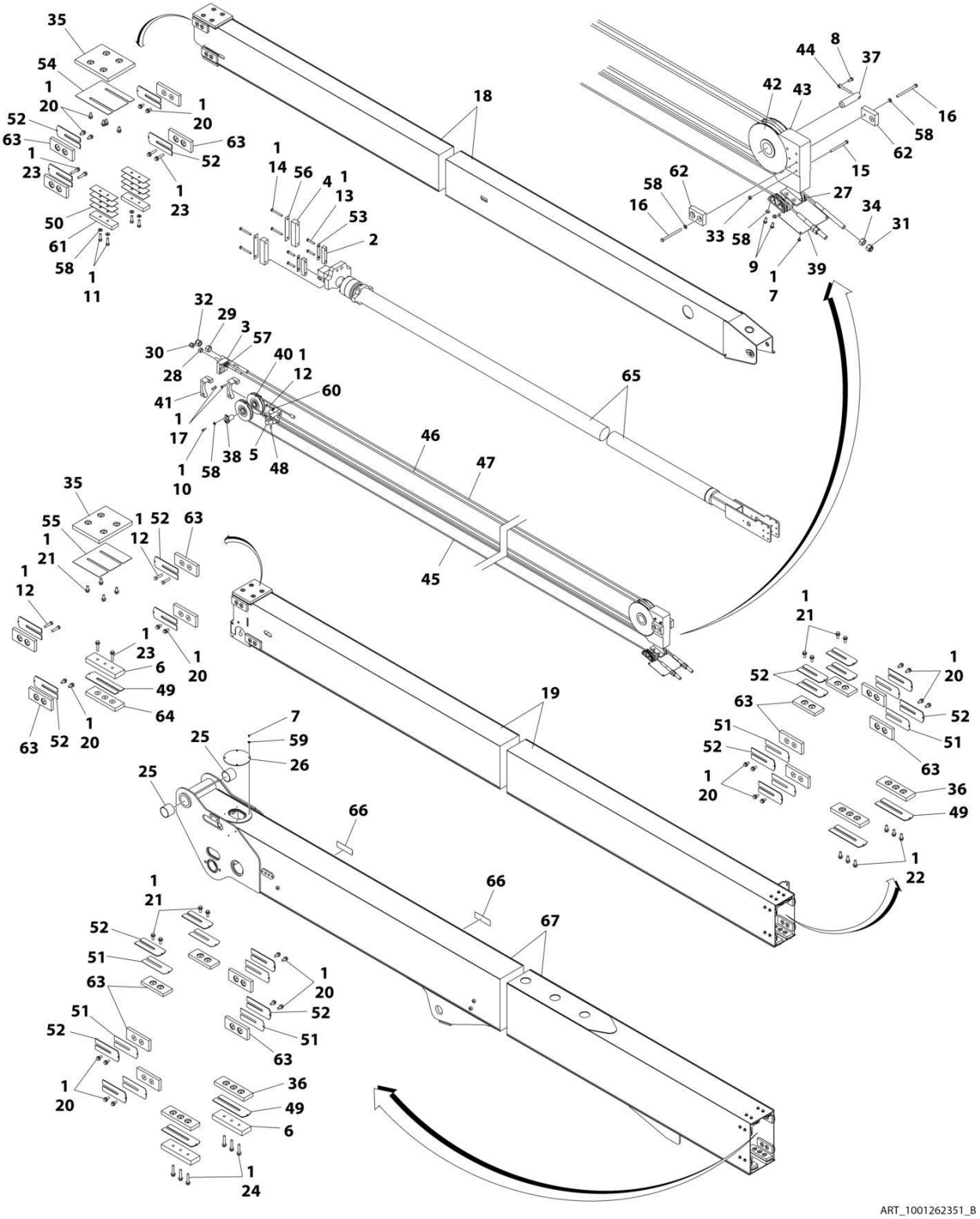


FIGURE 4-6. MAIN BOOM ASSEMBLY (800S HC3) (SN 0300296333 to Present, Including 0300295806)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262351	Ref	MAIN BOOM ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0561185	2	Block, Attach	
3	0561445	1	Block, Switch	
4	0561446	2	Block	
5	0561447	1	Block, Cable	
6	0561449	3	Block, Spacer	
7	0641403	8	Bolt 1/4 x 3/8	
8	0641606	1	Bolt 3/8 x 3/4	
9	0641607	4	Bolt 3/8 x 7/8	
10	0641608	2	Bolt 3/8 x 1	
11	0641610	4	Bolt 3/8 x 1-1/4	
12	0641613	6	Bolt 3/8 x 1-5/8	
13	0641616	4	Bolt 3/8 x 2	
14	0641626	4	Bolt 3/8 x 3-1/4	
15	0641634	4	Bolt 3/8 x 4-1/4	
16	0641640	2	Bolt 3/8 x 5	
17	0741612	6	Bolt 3/8 x 1-1/2	
18	0801275	1	Fly Boom	
19	0801649	1	Middle Boom	
20	0811606	28	Bolt 3/8 x 3/4	
21	0811607	12	Bolt 3/8 x 7/8	
22	0811608	6	Bolt 3/8 x 1	
23	0811614	6	Bolt 3/8 x 1-3/4	
24	0811616	6	Bolt 3/8 x 2	
25	0962297	2	Bushing	
26	1120510	1	Cover, Upright	
27	1220078	2	Sheave, Block	
28	3272001	1	Nut 5/8	
29	3272401	1	Nut 7/8	
30	3300240	1	Nut 5/8	
31	3300241	2	Nut 3/4	
32	3300242	1	Nut 7/8	
33	3311605	4	Nut 3/8	
34	3312201	2	Nut 3/4	
35	3340757	2	Pad, Wear	
36	3340871	4	Pad, Wear	
37	3422417	1	Pin	
38	3422424	2	Pin	
39	3539622	1	Plate, Cover	
40	3580243	2	Sheave Assembly, Retract	
41	3580249	2	Sheave Guard, Retract	
42	3580288	1	Sheave Assembly, Extend	
43	3580289	1	Sheave Guard, Extend	
44	3841143	1	Keeper, Pin	
45	3890013	2	Rope, Wire	
46	3890014	1	Rope, Wire	
47	3890015	1	Rope, Wire	
48	3951608	2	Bolt 3/8 x 1	
49	4070863	5	Shim #11	

SECTION 4 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4070895	8	Shim #16	
51	4070897	10	Shim, Wear Pad	
52	4070898	22	Shim #11	
53	4070929	2	Shim #16	
54	4070939	1	Shim #16	
55	4070940	1	Shim #16	
56	4071020	2	Shim #16	
57	4160149	1	Spring	
58	4711600	12	Washer 3/8	
59	4751400	4	Washer 1/4	
60	4891600	2	Washer 3/8	
61	1001148650	2	Pad, Wear	
62	1001148651	2	Pad, Wear	
63	1001148652	20	Pad, Wear	
64	1001148653	1	Pad, Wear	
65	1001251081	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
66	1001250737	2	Cover, Boom	
67	1001262352	1	Base Boom	

SECTION 4 - BOOM

FIGURE 4-7. MAIN BOOM ASSEMBLY (MACHINES WITH SN STARTING WITH 03) (860SJ HC3)

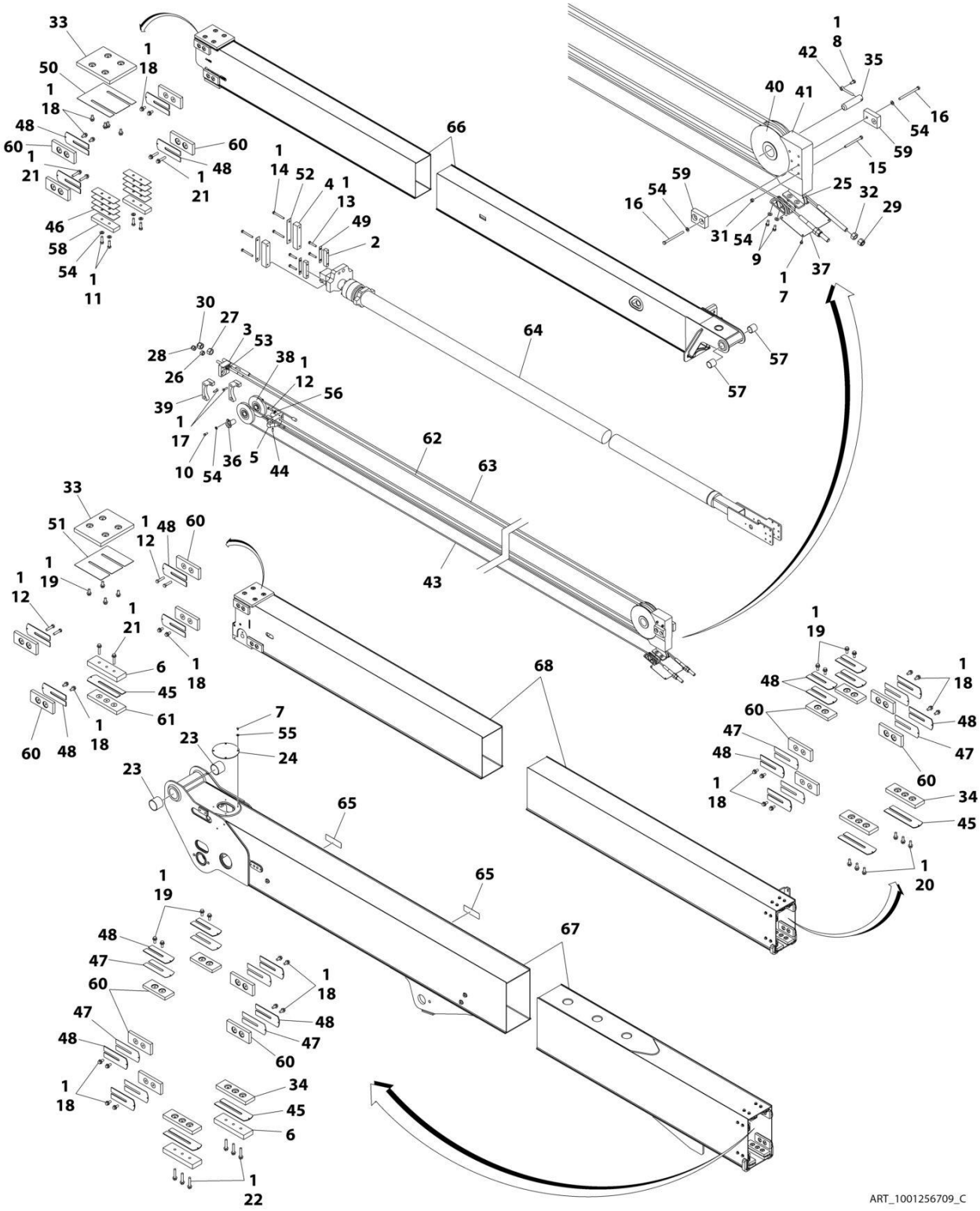


FIGURE 4-7. MAIN BOOM ASSEMBLY (MACHINES WITH SN STARTING WITH 03) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256709	Ref	MAIN BOOM ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0561185	2	Block, Telescope Attach	
3	0561445	1	Block, Spring Mounting	
4	0561446	2	Block, Tele Mount	
5	0561447	1	Block, Cable Mount	
6	0561449	3	Block, Spacer	
7	0641403	8	Bolt 1/4 x 3/8	
8	0641606	1	Bolt 3/8 x 3/4	
9	0641607	4	Bolt 3/8 x 7/8	
10	0641608	2	Bolt 3/8 x 1	
11	0641610	4	Bolt 3/8 x 1-1/4	
12	0641613	6	Bolt 3/8 x 1-5/8	
13	0641616	4	Bolt 3/8 x 2	
14	0641626	4	Bolt 3/8 x 3-1/4	
15	0641634	4	Bolt 3/8 x 4 1/4	
16	0641640	2	Bolt 3/8 x 5	
17	0741612	6	Screw 3/8 x 1-1/2	
18	0811606	28	Screw 3/8 x 3/4	
19	0811607	12	Screw 3/8 x 7/8	
20	0811608	6	Screw 3/8 x 1	
21	0811614	6	Screw 3/8 x 1-3/4	
22	0811616	6	Screw 3/8 x 2	
23	0962297	2	Bearing	
24	1120510	1	Cover, Pin	
25	1220078	2	Sheave, Block	
26	3272001	1	Nut 5/8	
27	3272401	1	Nut 7/8	
28	3300240	1	Nut 5/8	
29	3300241	2	Nut 3/4	
30	3300242	1	Nut 7/8	
31	3311605	4	Nut 3/8	
32	3312201	2	Nut 3/4	
33	3340757	2	Pad, Wear	
34	3340871	4	Pad, Wear	
35	3422417	1	Pin, Extend Sheave	
36	3422424	2	Pin	
37	3539622	1	Plate, Cover	
38	3580243	2	Sheave, Retract	
38	0961951	1	Bushing	
39	3580249	2	Guard, Sheave	
40	3580288	1	Sheave, Extend	
40	0961951	2	Bushing	
41	3580289	1	Guard, Sheave	
42	3841143	1	Keeper, Pin	
43	3890016	2	Cable, Wire Rope	
44	3951608	2	Setscrew 3/8 x 1	
45	4070863	5	Shim (#11 Gauge)	
46	4070895	8	Shim (#16 Gauge)	
47	4070897	10	Shim (#18 Gauge)	

SECTION 4 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	4070898	22	Shim (#11 Gauge)	
49	4070929	2	Shim (#16 Gauge)	
50	4070939	1	Shim (#16 Gauge)	
51	4070940	1	Shim (#16 Gauge)	
52	4071020	2	Shim (#16 Gauge)	
53	4160149	1	Spring, Torsion	
54	4711600	12	Washer 3/8	
55	4751400	4	Washer 1/4	
56	4891600	2	Washer 3/8	
57	1001118666	2	Bearing	
58	1001148650	2	Pad, Wear	
59	1001148651	2	Pad, Wear	
60	1001148652	20	Pad, Wear	
61	1001148653	1	Pad, Wear	
62	1001181235	1	Cable, Wire Rope	
63	1001181236	1	Cable, Wire Rope	
64	1001251083	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
65	1001250737	3	Cover	
66	1001256806	1	Fly Weldment	
67	1001256820	1	Base Weldment	
68	1001257286	1	Mid Weldment	

SECTION 4 - BOOM

FIGURE 4-8. MAIN BOOM ASSEMBLY (MACHINES WITH SN STARTING WITH B3) (860SJ HC3)

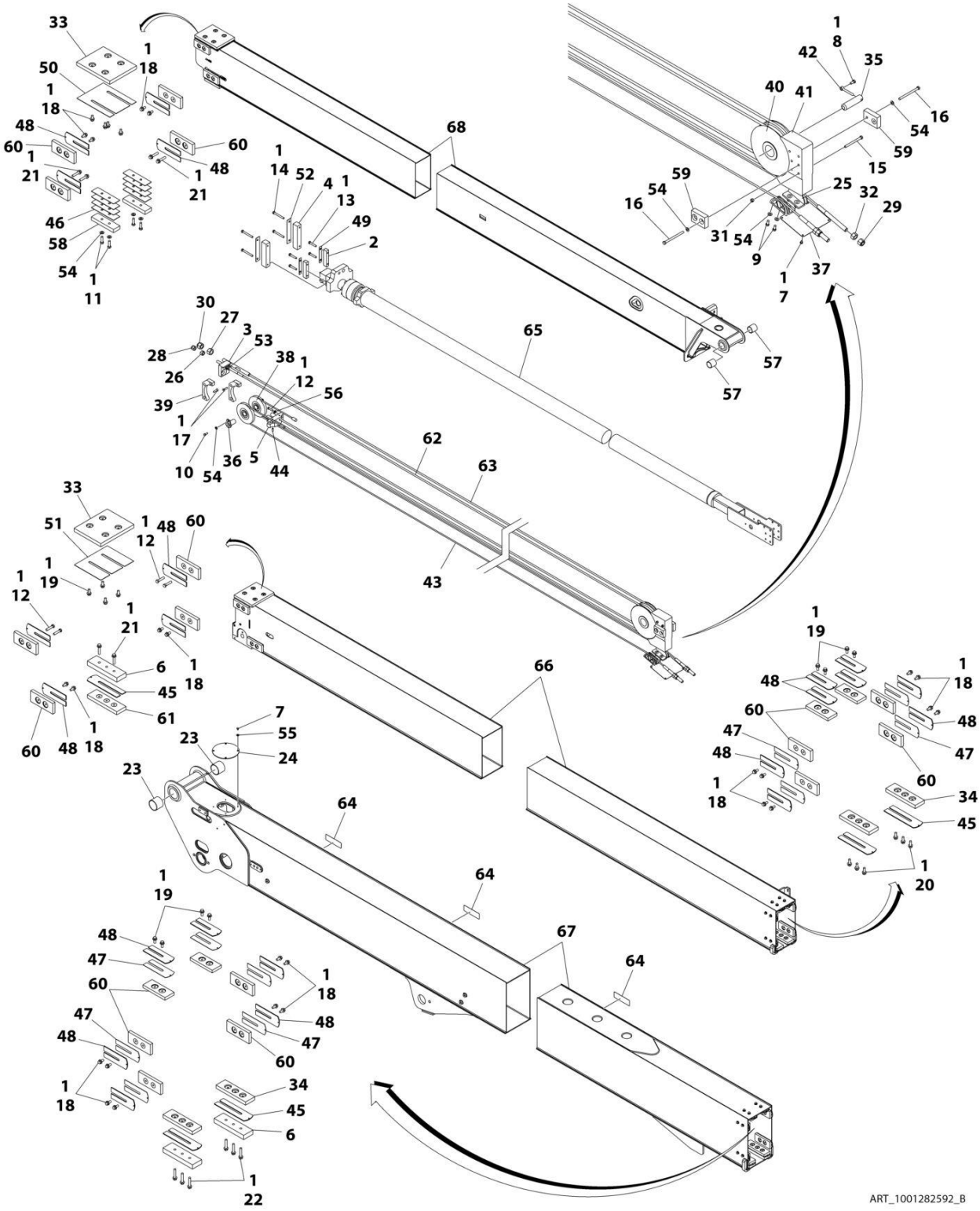


FIGURE 4-8. MAIN BOOM ASSEMBLY (MACHINES WITH SN STARTING WITH B3) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282592	Ref	MAIN BOOM ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0561185	2	Block, Telescope Attach	
3	0561445	1	Block, Spring Mounting	
4	0561446	2	Block, Tele Mount	
5	0561447	1	Block, Cable Mount	
6	0561449	3	Block, Spacer	
7	0641403	8	Bolt 1/4 x 3/8	
8	0641606	1	Bolt 3/8 x 3/4	
9	0641607	4	Bolt 3/8 x 7/8	
10	0641608	2	Bolt 3/8 x 1	
11	0641610	4	Bolt 3/8 x 1-1/4	
12	0641613	6	Bolt 3/8 x 1-5/8	
13	0641616	4	Bolt 3/8 x 2	
14	0641626	4	Bolt 3/8 x 3-1/4	
15	0641634	4	Bolt 3/8 x 4 1/4	
16	0641640	2	Bolt 3/8 x 5	
17	0741612	6	Screw 3/8 x 1-1/2	
18	0811606	28	Screw 3/8 x 3/4	
19	0811607	12	Screw 3/8 x 7/8	
20	0811608	6	Screw 3/8 x 1	
21	0811614	6	Screw 3/8 x 1-3/4	
22	0811616	6	Screw 3/8 x 2	
23	0962297	2	Bearing	
24	1120510	1	Cover, Pin	
25	1220078	2	Sheave, Block	
26	3272001	1	Nut 5/8	
27	3272401	1	Nut 7/8	
28	3300240	1	Nut 5/8	
29	3300241	2	Nut 3/4	
30	3300242	1	Nut 7/8	
31	3311605	4	Nut 3/8	
32	3312201	2	Nut 3/4	
33	3340757	2	Pad, Wear	
34	3340871	4	Pad, Wear	
35	3422417	1	Pin, Extend Sheave	
36	3422424	2	Pin	
37	3539622	1	Plate, Cover	
38	3580243	2	Sheave, Retract	
38	0961951	1	Bushing	
39	3580249	2	Guard, Sheave	
40	3580288	1	Sheave, Extend	
40	0961951	2	Bushing	
41	3580289	1	Guard, Sheave	
42	3841143	1	Keeper, Pin	
43	3890016	2	Cable, Wire Rope	
44	3951608	2	Setscrew 3/8 x 1	
45	4070863	5	Shim (#11 Gauge)	
46	4070895	8	Shim (#16 Gauge)	
47	4070897	10	Shim (#18 Gauge)	

SECTION 4 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	4070898	22	Shim (#11 Gauge)	
49	4070929	2	Shim (#16 Gauge)	
50	4070939	1	Shim (#16 Gauge)	
51	4070940	1	Shim (#16 Gauge)	
52	4071020	2	Shim (#16 Gauge)	
53	4160149	1	Spring, Torsion	
54	4711600	12	Washer 3/8	
55	4751400	4	Washer 1/4	
56	4891600	2	Washer 3/8	
57	1001118666	2	Bearing	
58	1001148650	2	Pad, Wear	
59	1001148651	2	Pad, Wear	
60	1001148652	20	Pad, Wear	
61	1001148653	1	Pad, Wear	
62	1001181235	1	Cable, Wire Rope	
63	1001181236	1	Cable, Wire Rope	
64	1001250737	3	Cover	
65	1001251083	1	Telescope Cylinder Assembly Options (See Separate Breakdown in CYLINDER Section)	
66	1001282585	1	Mid Weldment	
67	1001282588	1	Base Weldment	
68	1001282591	1	Fly Weldment	

FIGURE 4-9. JIB ASSEMBLY (860SJ HC3)

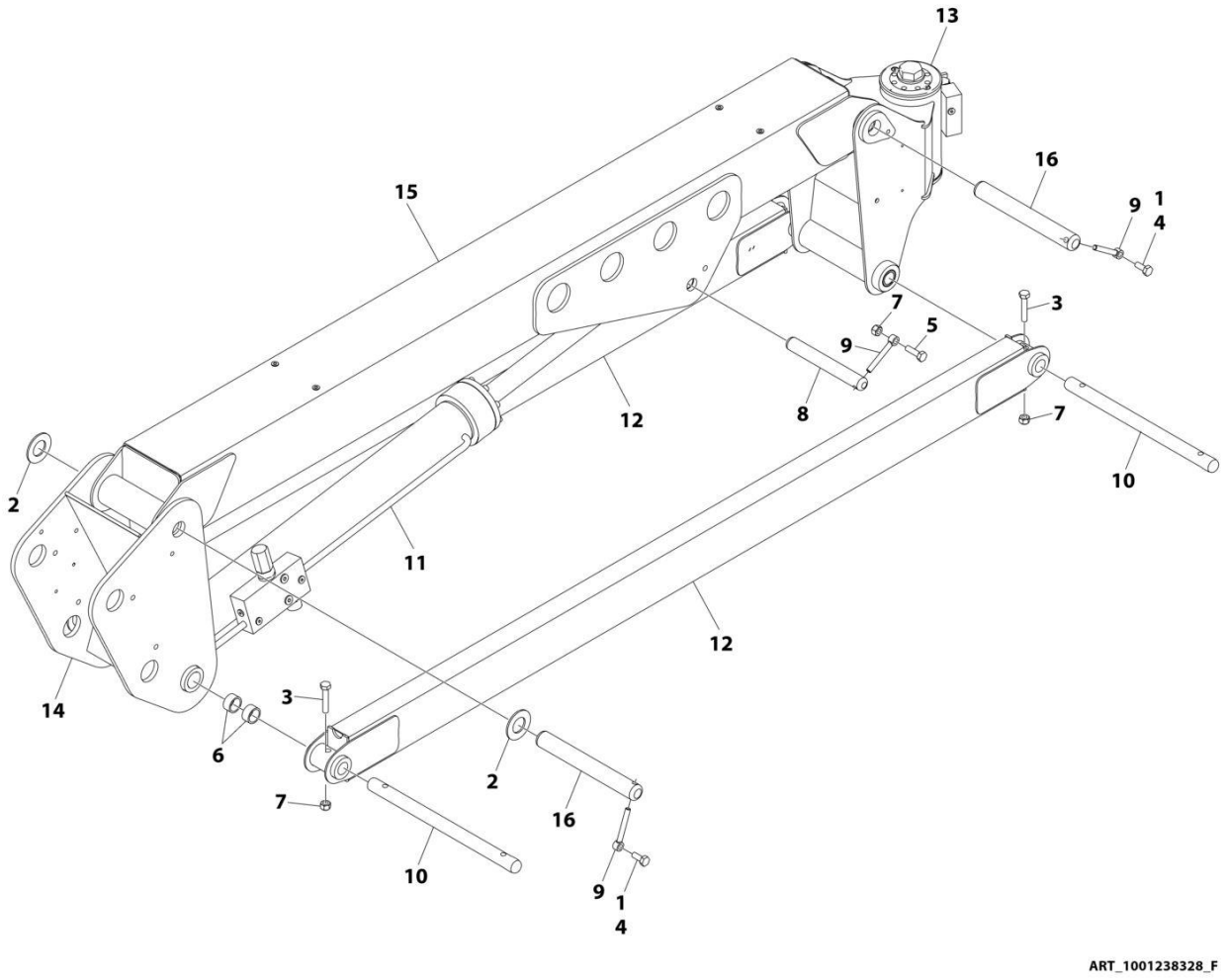


FIGURE 4-9. JIB ASSEMBLY (860SJ HC3)

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 4-10. ROTATOR ASSEMBLY (860SJ HC3)

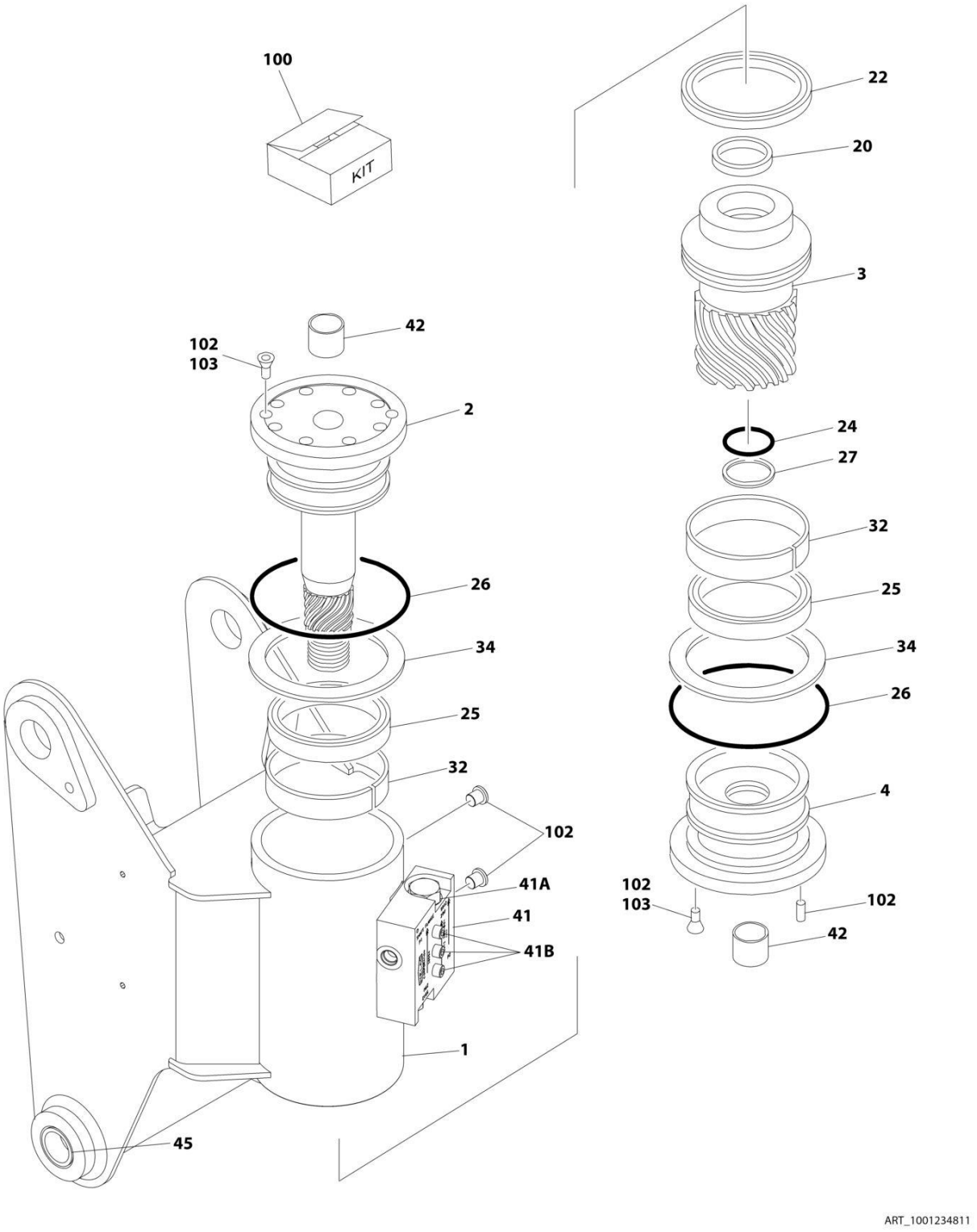


FIGURE 4-10. ROTATOR ASSEMBLY (860SJ HC3)

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

FIGURE 4-11. PLATFORM SUPPORT INSTALLATION

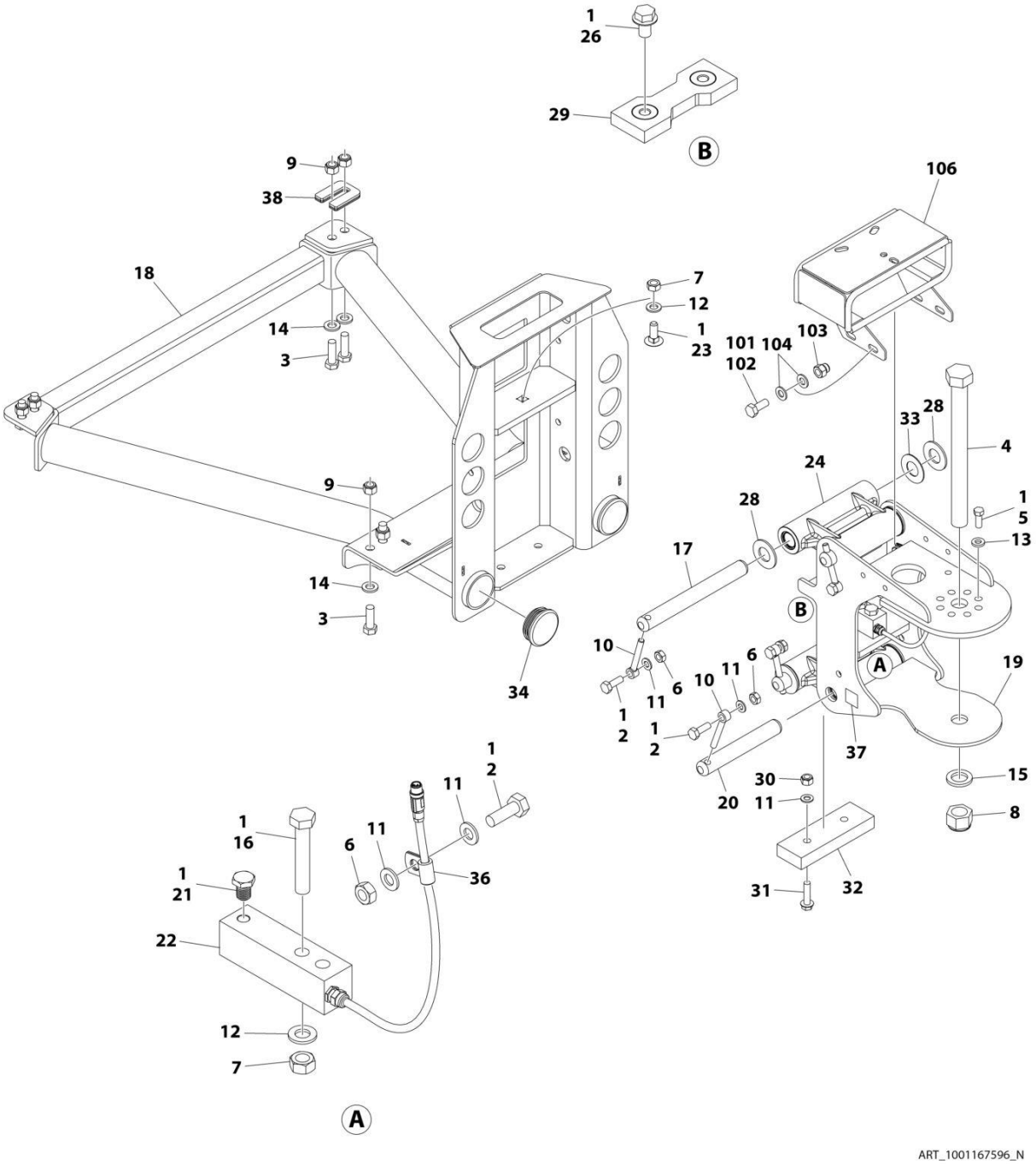


FIGURE 4-11. PLATFORM SUPPORT INSTALLATION

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 4-12. CONTROL VALVE INSTALLATION (800S HC3)

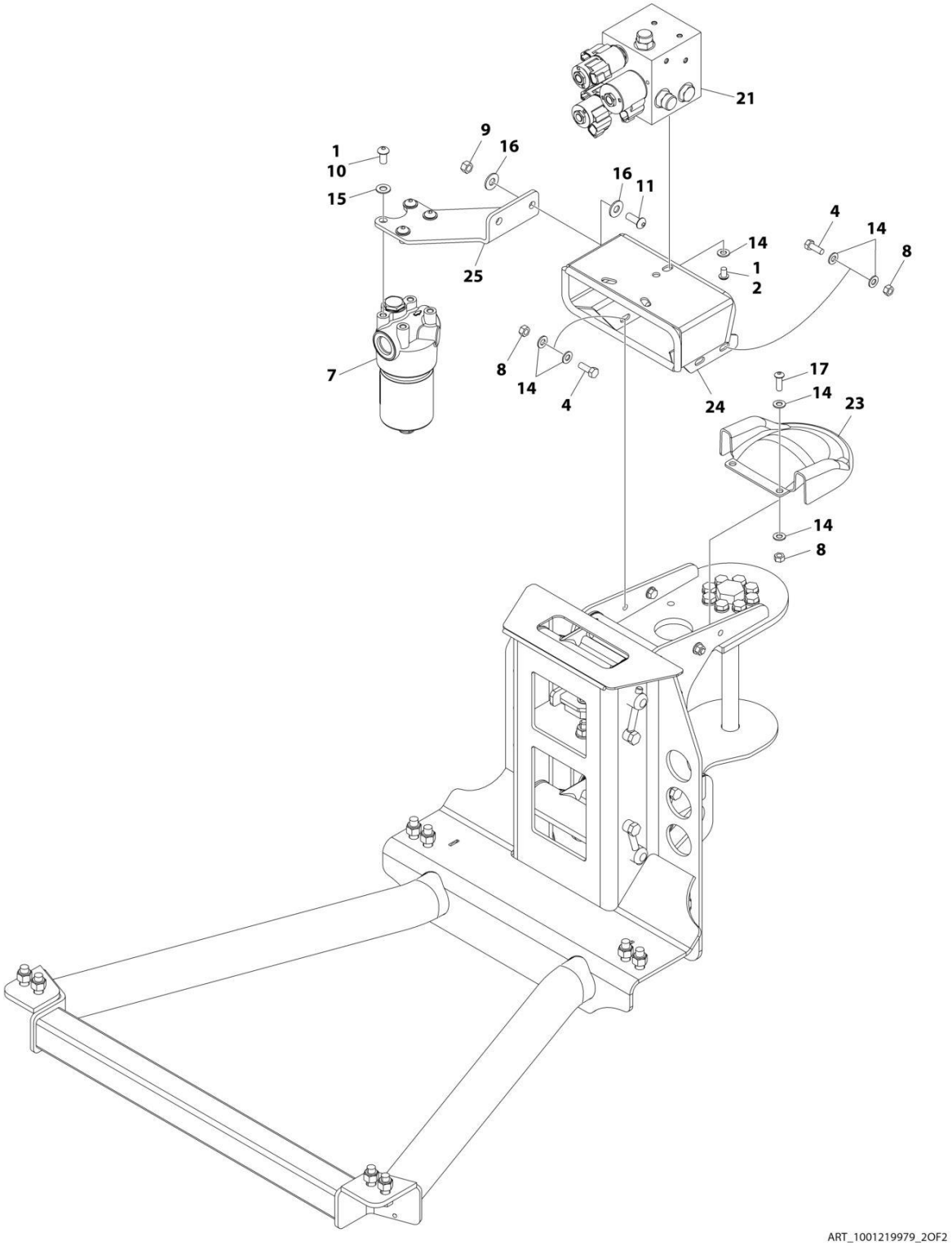


FIGURE 4-12. CONTROL VALVE INSTALLATION (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219979	Ref	CONTROL VALVE INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0630467	3	Screw, Button Head	
4	0641507	4	Bolt 5/16 x 7/8	
7	2120217	1	Filter, High Pressure	
7	70002097	1	Element, Filter	
7	70001499	1	Kit, Seal	
7	70004328	1	Plug, Indicator	
8	3311505	6	Nut 5/16	
9	3311605	2	Nut 3/8	
10	3900283	4	Screw 3/8 x 3/4	
11	3900316	2	Screw 3/8 x 1	
14	4711500	15	Washer 5/16	
15	4711600	4	Washer 3/8	
16	4751600	4	Washer 3/8	
17	88261024	2	Screw 5/16 x 1	
21	1001244114	1	Valve, Platform (See Separate Breakdown in this Section)	
22	1001168025	1	Upper Valve Harness (not shown)	
22	4460926	1	Connector - 21 Position	
22	1001126008	8	Terminal	
22	1001126009	6	Terminal (Gold)	
22	4460911	2	Connector 3 Position	
22	1001126009	6	Terminal (Gold)	
22	4460891	7	Connector 2 Position	
22	4460465	14	Terminal	
23	1001207969	1	Cover	
24	1001208994	1	Plate, Valve Mounting	
25	1001222314	1	Bracket, Filter Mounting	

FIGURE 4-13. CONTROL VALVE INSTALLATION (860SJ HC3)

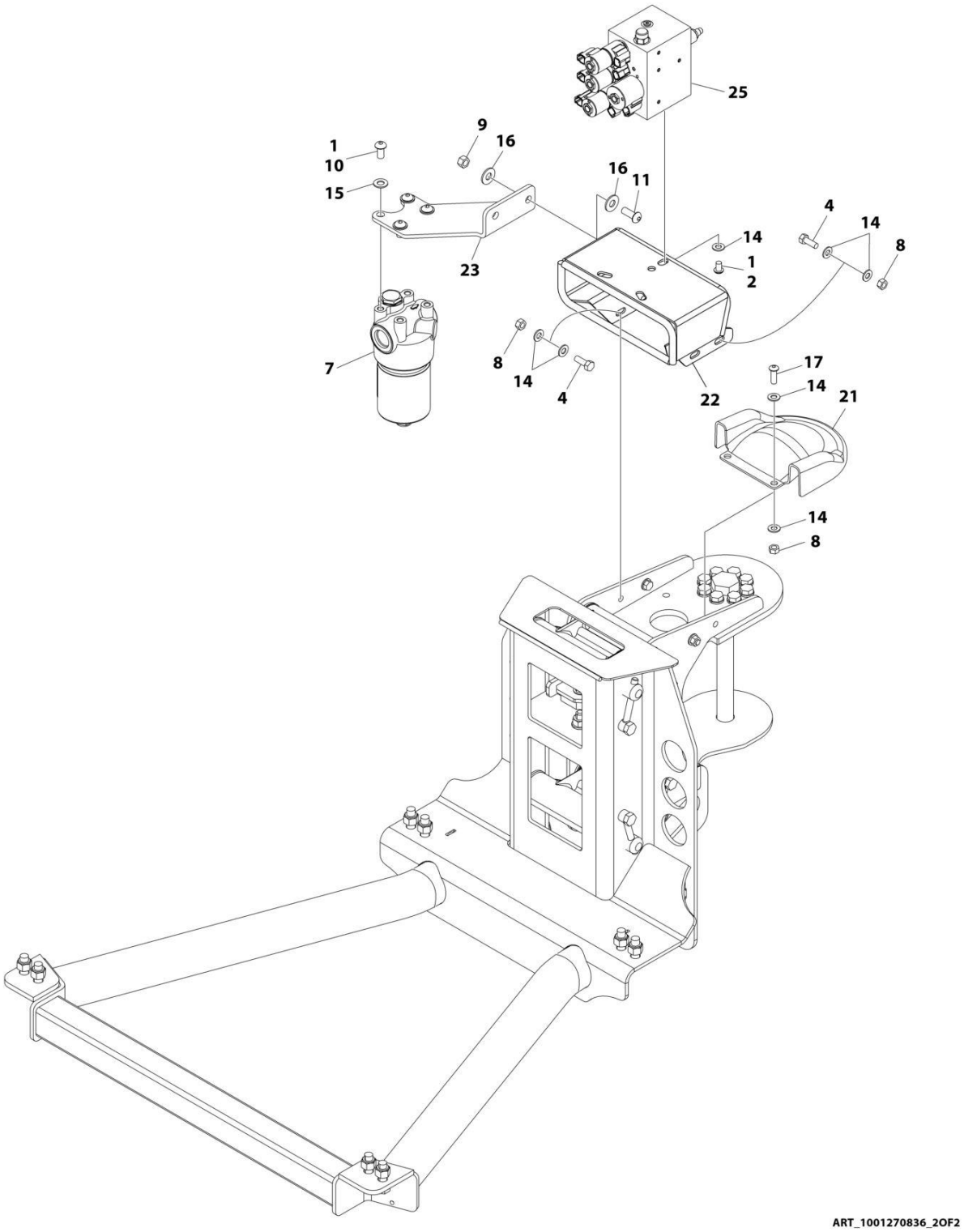


FIGURE 4-13. CONTROL VALVE INSTALLATION (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270836	Ref	CONTROL VALVE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0630467	3	Bolt 5/16 x 1/2	
4	0641507	4	Bolt 5/16 x 7/8	
7	2120217	1	Filter, High Pressure	
7	70002097	1	Element, Filter	
7	70001499	1	Kit, Seal	
7	70004328	1	Plug, Indicator	
8	3311505	6	Nut 5/16	
9	3311605	2	Nut 3/8	
10	3900283	4	Bolt 3/8 x 3/4	
11	3900316	2	Bolt 3/8 x 1	
14	4711500	15	Washer 5/16	
15	4711600	4	Washer 3/8	
16	4751600	4	Washer 3/8	
17	88261024	2	Bolt 5/16 x 1	
21	1001207969	1	Cover	
22	1001208994	1	Plate, Valve Mounting	
23	1001222314	1	Bracket, Filter Mounting	
25	1001270835	1	Valve, Platform (See Separate Breakdown in this Section)	

FIGURE 4-14. PLATFORM VALVE ASSEMBLY (800S HC3)

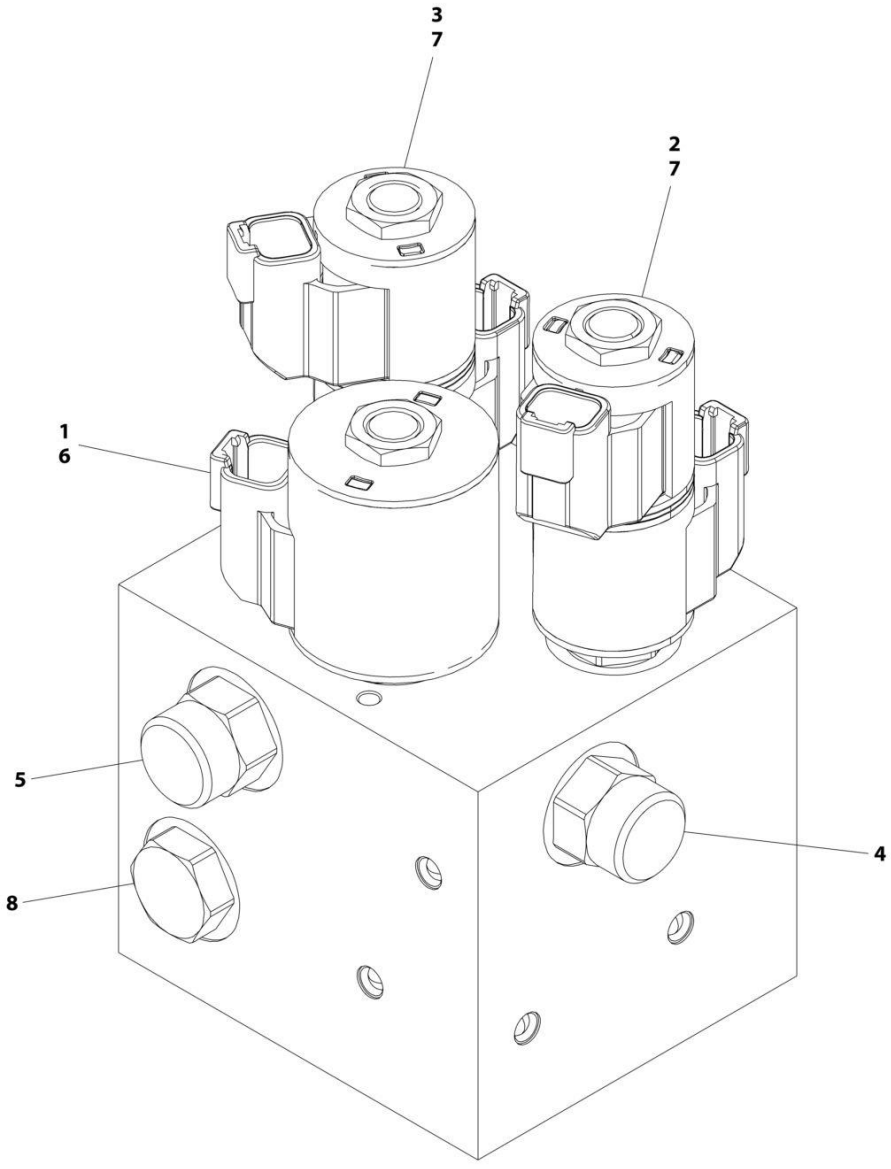
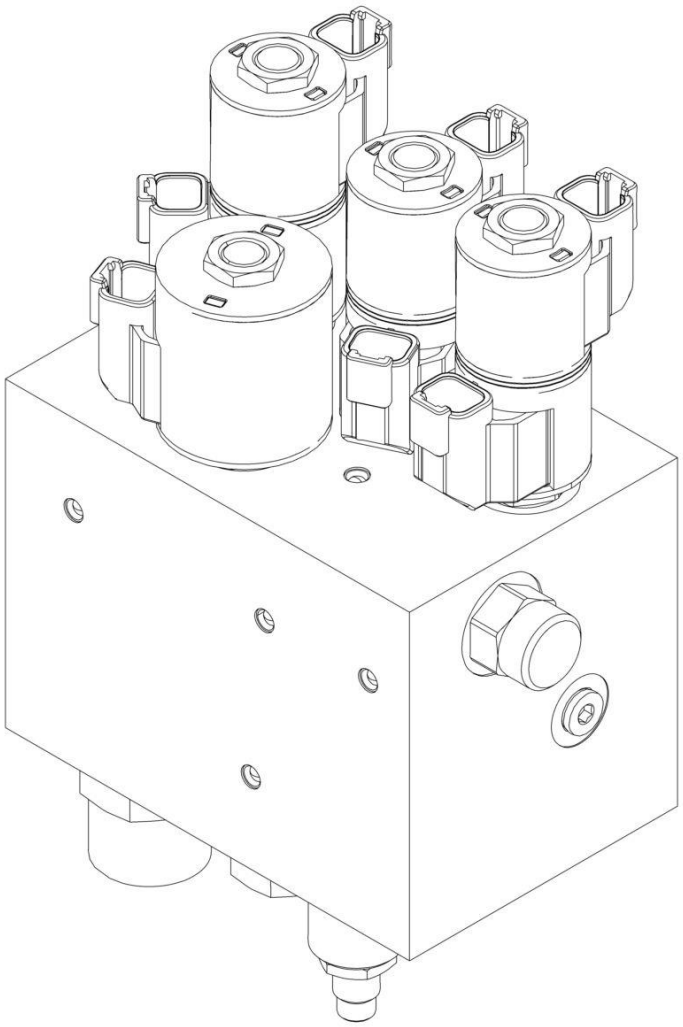


FIGURE 4-14. PLATFORM VALVE ASSEMBLY (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244114	Ref	PLATFORM VALVE ASSEMBLY	B
1	7012995	1	Cartridge, Solenoid Valve (Pressure)	
1	7012518	1	Seal Kit - 7012995 Valve	
2	7017452	1	Cartridge, Solenoid Valve (Platform Rotator)	
2	7017402	1	Seal Kit - 7017452 Valve	
3	7023922	1	Cartridge, Solenoid Valve (Platform Level)	
3	7017402	1	Seal Kit - 7023922 Valve	
4	7012989	1	Cartridge, Valve (Flow Regulator)	
4	7012953	1	Seal Kit - 7012989 Valve	
5	7017446	1	Cartridge, Valve (Flow Regulator)	
5	7012953	1	Seal Kit - 7023984 & 7017446 Valves	
6	70003788	1	Coil	
7	70002386	4	Coil	
8	7012955	1	Cartridge, Valve (Check Valve)	
8	7012967	1	Seal Kit - 7012955 Valve	
9	70004582	1	Orifice (Not Shown - Located on Back at Port T)	

FIGURE 4-15. PLATFORM VALVE ASSEMBLY (860SJ HC3)



ART_1001270835

FIGURE 4-15. PLATFORM VALVE ASSEMBLY (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270835	Ref	PLATFORM VALVE ASSEMBLY	B
	Note	1	Note: No service parts available at time of printing.	

FIGURE 4-16. POWER TRACK INSTALLATION - MAIN BOOM (800S HC3)

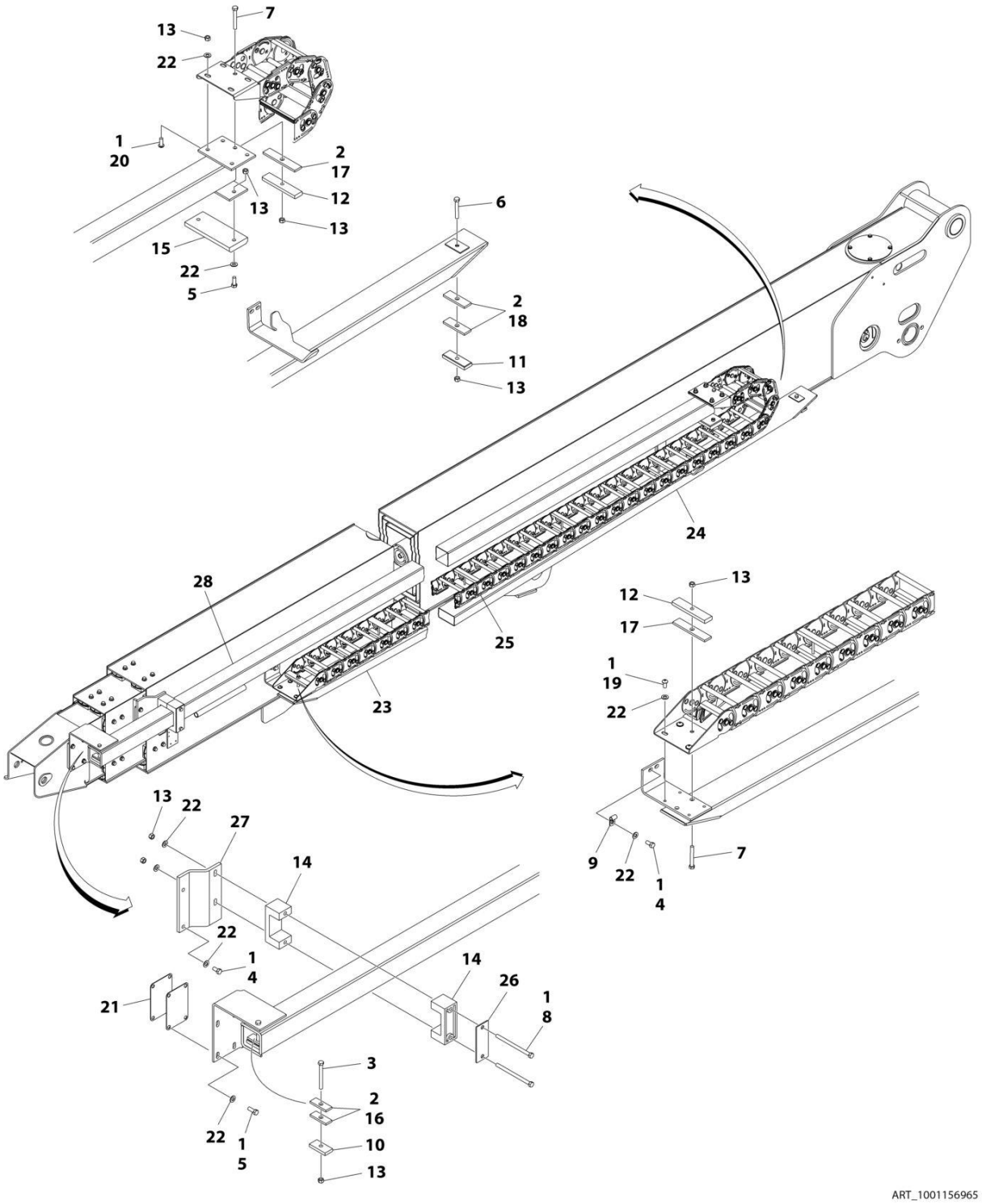


FIGURE 4-16. POWER TRACK INSTALLATION - MAIN BOOM (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001156965	Ref	POWER TRACK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0630539	1	Bolt 3/8 x 3-1/2	
4	0641606	12	Bolt 3/8 x 3/4	
5	0641608	6	Bolt 3/8 x 1	
6	0641620	1	Bolt 3/8 x 2-1/2	
7	0641622	2	Bolt 3/8 x 2-3/4	
8	0641644	2	Bolt 3/8 x 5-1/2	
9	1320263	2	Clamp, Cable	
10	1320288	1	Clamp, Hose	
11	1320289	1	Clamp, Hose	
12	1320294	2	Bar, Clamping	
13	3311605	12	Nut 3/8	
14	3340764	2	Pad, Wear	
15	3340787	1	Pad, Wear	
16	3340941	2	Pad, Push Tube	
17	3340942	2	Pad, Rubber	
18	3340943	2	Pad, Rubber	
19	3900283	4	Screw, Button Head 3/8 x 3/4	
20	3900316	4	Screw, Button Head 3/8 x 1	
21	4070969	2	Shim	
22	4711600	28	Washer 3/8	
23	4846553	1	Support, Push Tube	
24	4846558	1	Tube, Push	
25	1001131731	1	Power Track	
25	70003921	AR	Repair Section (Includes 1 Pin Assembly for each end)	
25	70003922	1	Mounting Feet (Includes Both Pair of Feet)	
26	1001136400	1	Plate	
27	1001156439	1	Plate	
28	1001156443	1	Tube, Push	

FIGURE 4-17. POWER TRACK INSTALLATION - MAIN BOOM (860SJ HC3)

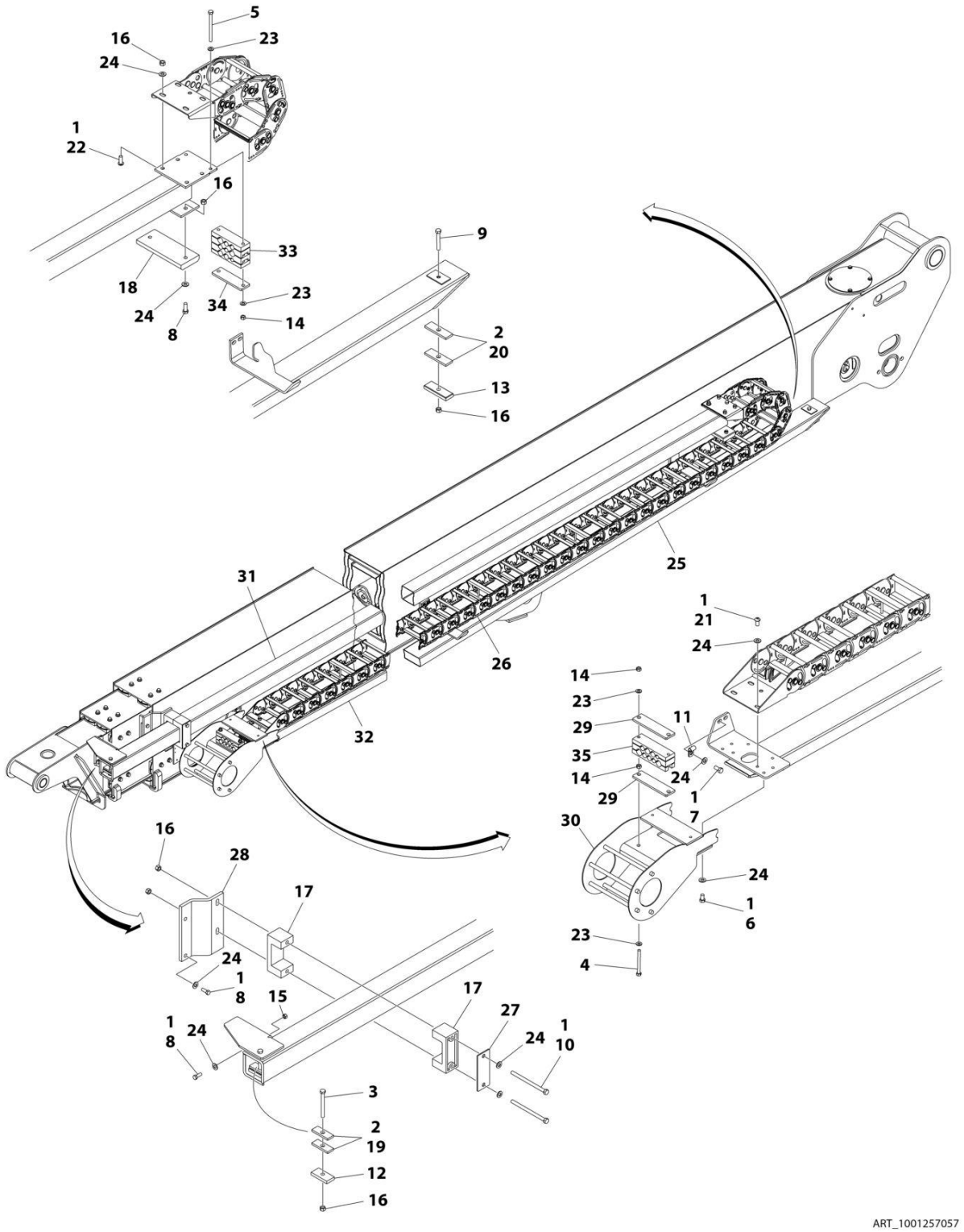


FIGURE 4-17. POWER TRACK INSTALLATION - MAIN BOOM (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257057	Ref	POWER TRACK INSTALLATION - MAIN BOOM	E
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0630539	1	Bolt 3/8 x 3-1/2	
4	1001263327	2	Bolt 5/16 x 3.25	
5	1001262829	2	Bolt 5/16 x 4	
6	0641605	4	Bolt 3/8 x 5/8	
7	0641606	10	Bolt 3/8 x 3/4	
8	0641608	8	Bolt 3/8 x 1	
9	0641620	1	Bolt 3/8 x 2-1/2	
10	0641644	2	Bolt 3/8 x 5-1/2	
11	1320263	2	Clamp, Cable	
12	1320288	1	Clamp, Hose	
13	1320289	1	Clamp, Hose	
14	3271505	10	Nut 5/16	
15	3271601	4	Nut 3/8	
16	3311605	10	Nut 3/8	
17	3340764	2	Pad, Wear	
18	3340787	1	Pad, Wear	
19	3340941	2	Pad, Push Tube	
20	3340943	2	Pad, Rubber	
21	3900283	4	Screw 3/8 x 3/4	
22	3900316	4	Screw 3/8 x 1	
23	4711500	8	Washer 5/16	
24	4711600	36	Washer 3/8	
25	4846558	1	Tube, Push	
26	1001131731	1	Power Track	
26	70003921	AR	Repair Section (Includes 1 Pin Assembly for each end)	
26	70003922	1	Mounting Feet (Includes Both Pair of Feet)	
27	1001136400	1	Plate	
28	1001156439	1	Plate	
29	1001249824	2	Plate	
30	1001250384	1	Mount	
31	1001257062	1	Push Tube	
32	1001257093	1	Support, Power Track	
33	1001257428	1	Clamp	
34	1001257429	1	Plate	
35	1001257657	1	Clamp	

FIGURE 4-18. POWER TRACK SUPPORT BRACKET INSTALLATION

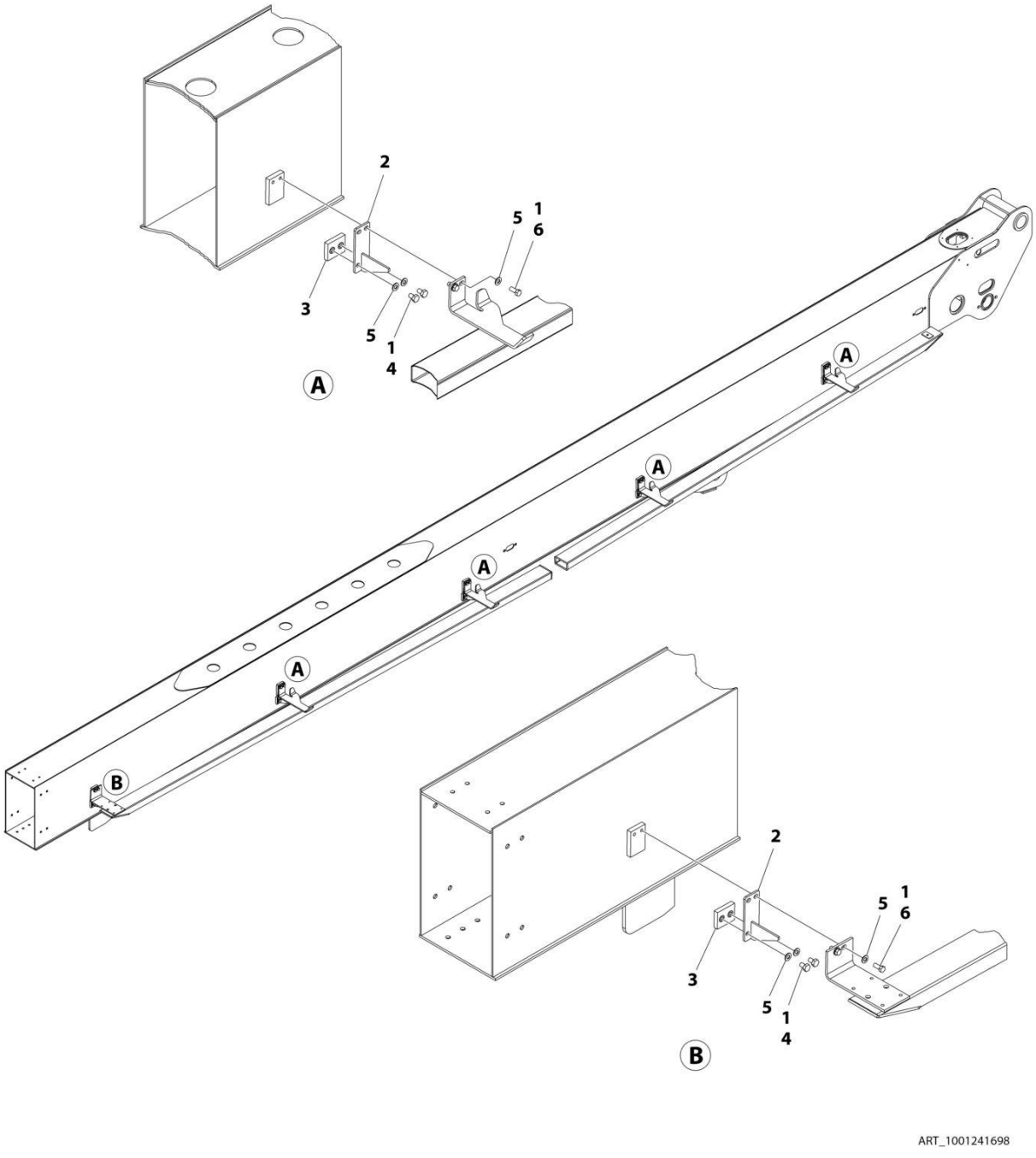


FIGURE 4-18. POWER TRACK SUPPORT BRACKET INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241698	Ref	POWER TRACK SUPPORT BRACKET INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	1001241694	5	Bracket	
3	1001241697	5	Pad, Wear	
4	0761008	10	Bolt M10 x 16	
5	4711600	20	Washer 3/8	
6	0641607	10	Bolt 3/8 x 7/8	

FIGURE 4-19. LIMIT SWITCHES AND COVERS INSTALLATION (800S HC3)

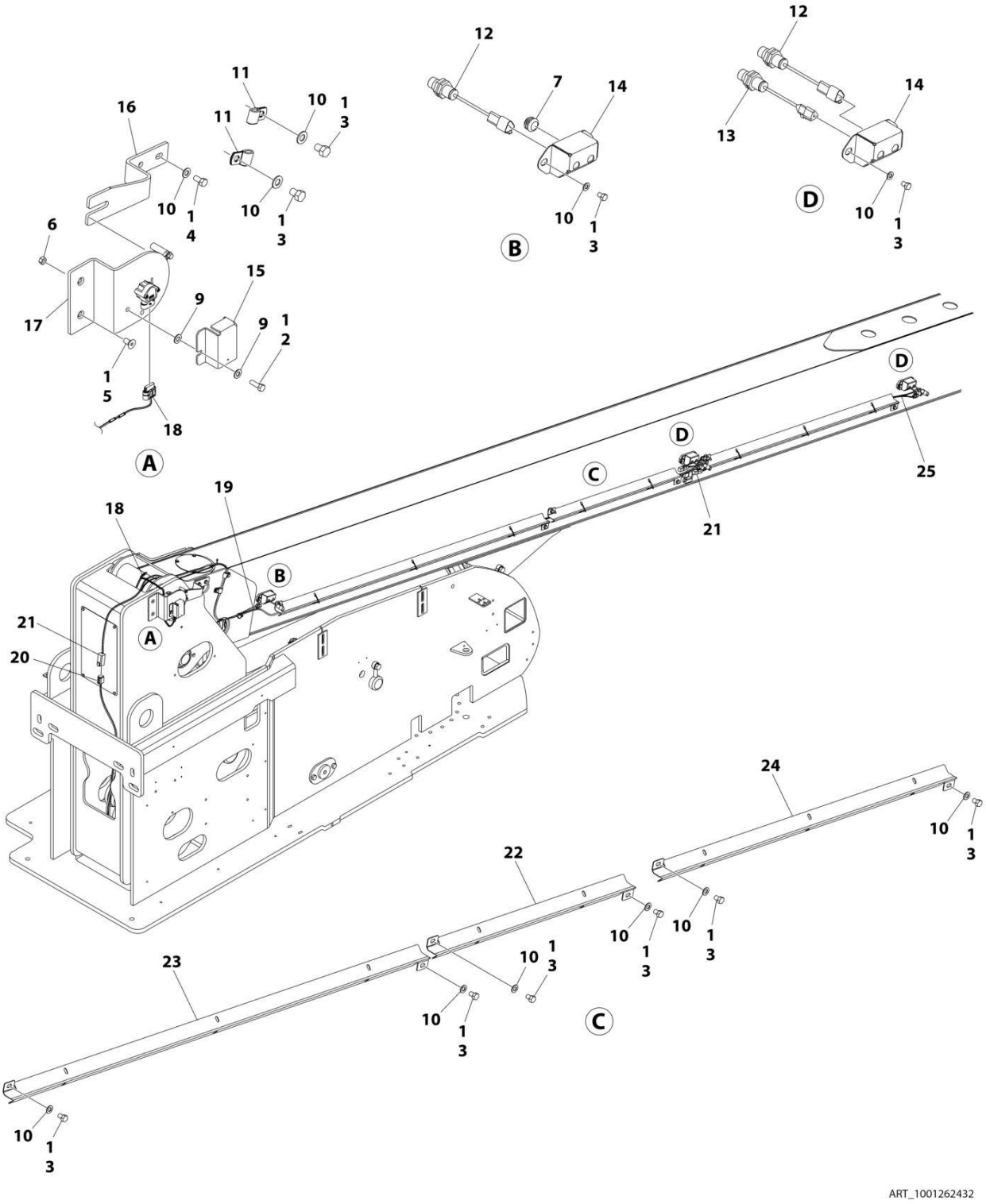


FIGURE 4-19. LIMIT SWITCHES AND COVERS INSTALLATION (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262432	Ref	LIMIT SWITCHES AND COVERS INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0641508	1	Bolt 5/16 x 1	
3	0641604	14	Bolt 3/8 x 1/2	
4	0641606	2	Bolt 3/8 x 3/4	
5	0741606	2	Bolt 3/8 x 3/4	
6	3311501	1	Nut 5/16	
7	3520193	1	Plug	
8	4240033	11	Tie-Strap (Not Shown)	
9	4711500	2	Washer 5/16	
10	4711600	16	Washer 3/8	
11	1001102858	2	Clamp	
12	1001170847	3	Sensor, Proximity	
13	1001182570	2	Sensor, Proximity	
14	1001204715	3	Bracket	
15	1001211588	1	Shield	
16	1001254019	1	Plate	
17	1001254020	1	Lower Sensor Assembly (See Separate Breakdown in this Section)	
18	1001255356	1	Cable, Boom Angle	
19	1001255357	1	Cable, Transport	
20	1001255358	1	Cable, Lower Sensor	
21	1001255359	1	Cable, Upper Sensor	
22	1001258330	1	Cover, Harness	
23	1001258332	1	Cover, Harness	
24	1001262601	1	Cover, Harness	
25	1001263035	1	Cable, Full Extension	

FIGURE 4-20. LIMIT SWITCHES AND COVERS INSTALLATION (860SJ HC3)

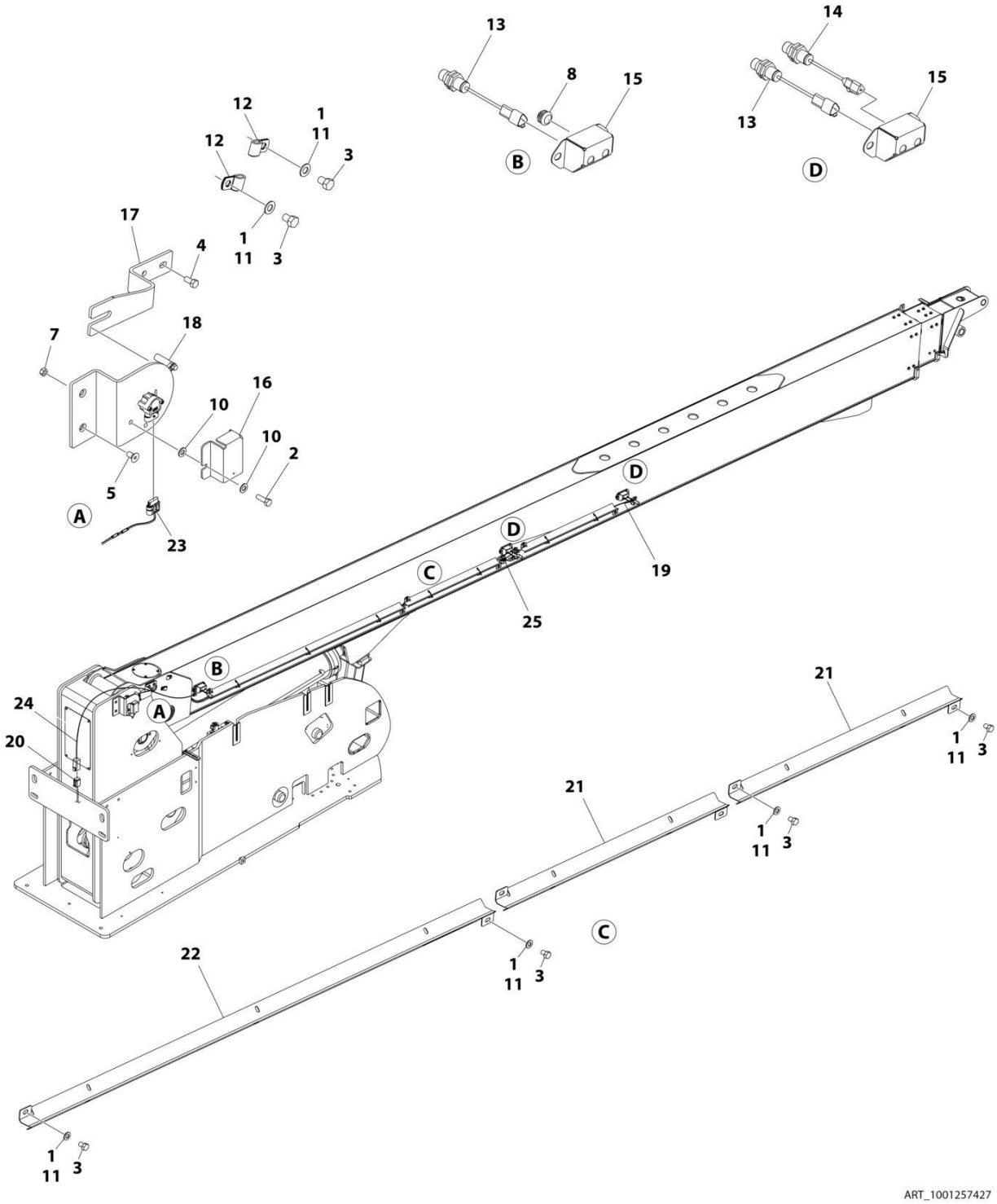


FIGURE 4-20. LIMIT SWITCHES AND COVERS INSTALLATION (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257427	Ref	LIMIT SWITCHES AND COVERS INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0641508	1	Bolt 5/16 x 1	
3	0641604	14	Bolt 3/8 x 1/2	
4	0641606	2	Bolt 3/8 x 3/4	
5	0741606	2	Bolt 3/8 x 3/4	
7	3311501	1	Nut 5/16	
8	3520193	1	Plug	
9	4240033	10	Tie-Strap (Not Shown)	
10	4711500	2	Washer 5/16	
11	4711600	16	Washer 3/8	
12	1001102858	2	Clamp	
13	1001170847	3	Sensor, Proximity	
14	1001182570	2	Sensor, Proximity	
15	1001204715	3	Bracket	
16	1001211588	1	Shield	
17	1001254019	1	Plate	
18	1001254020	1	Lower Sensor Assembly (See Separate Breakdown in this Section)	
19	1001254468	1	Cable, Full Extension	
20	1001255358	1	Cable, Lower Sensor	
21	1001258330	2	Cover, Harness	
22	1001258332	1	Cover, Harness	
23	1001255356	1	Cable, Boom Angle	
24	1001255357	1	Cable, Transport	
25	1001255359	1	Cable, Upper Sensor	

FIGURE 4-21. SENSOR ASSEMBLY - LOWER

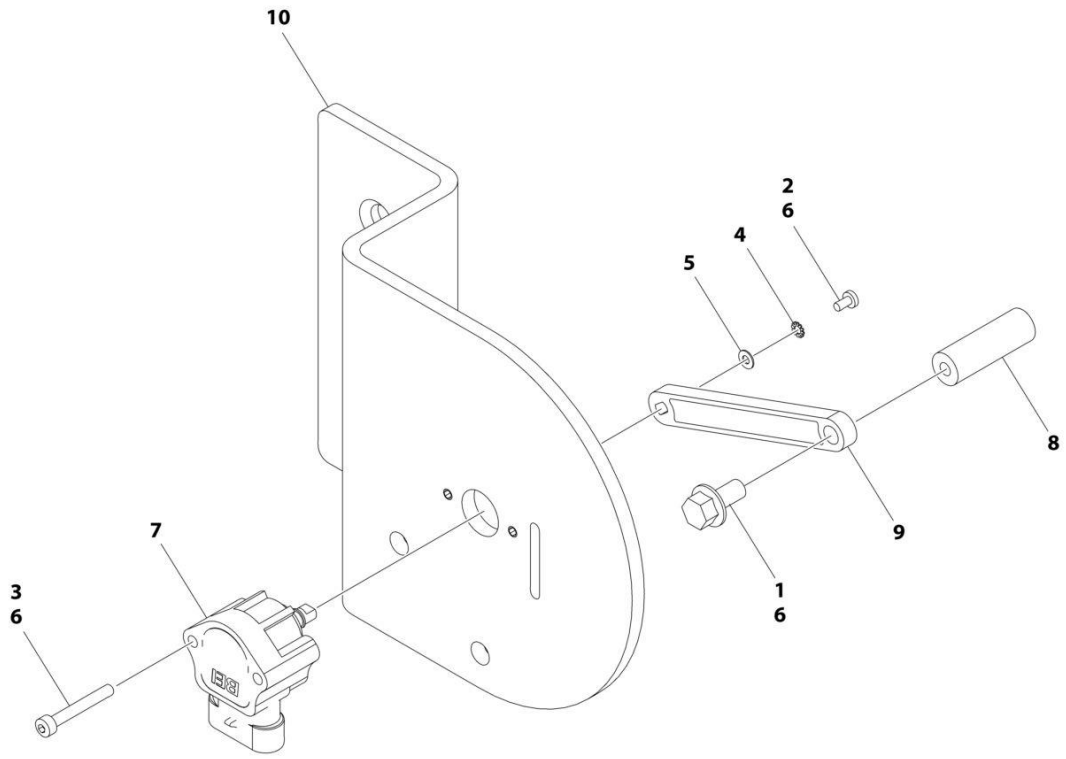


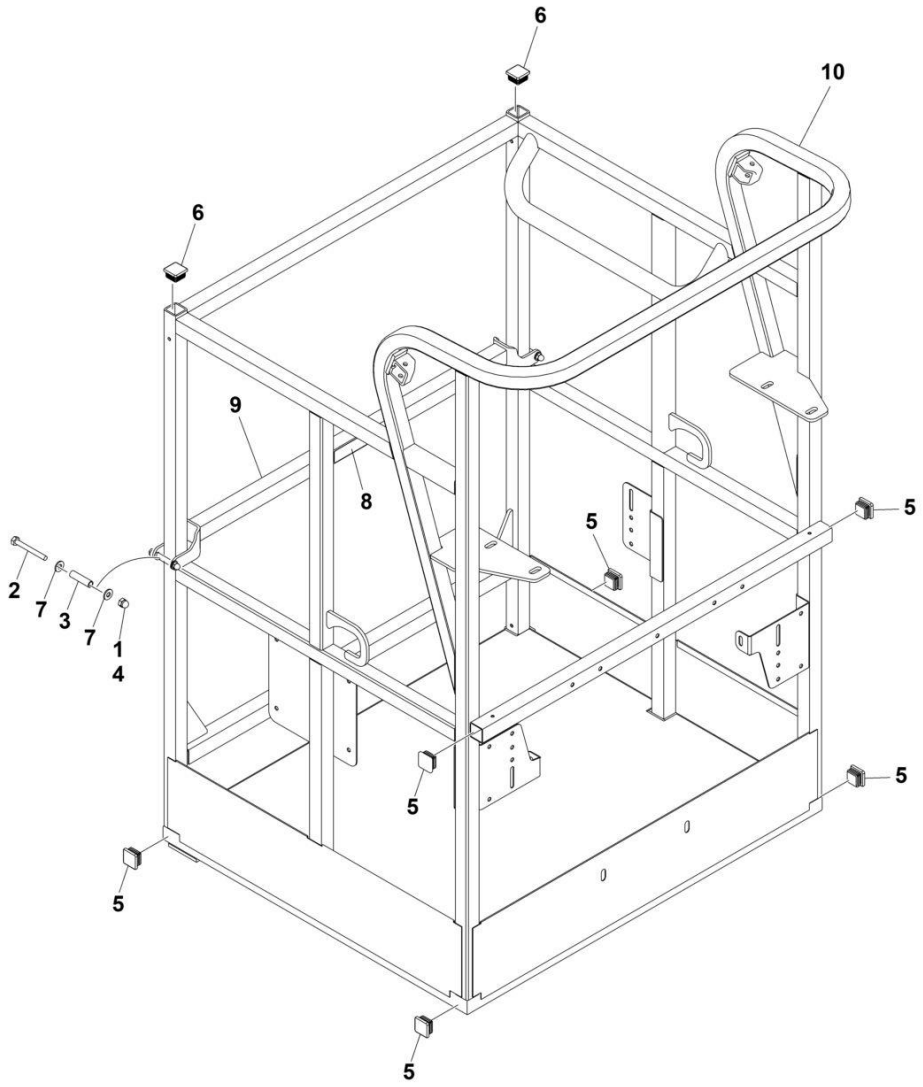
FIGURE 4-21. SENSOR ASSEMBLY - LOWER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254020	Ref	DUAL CAPACITY INSTALLATION	B
1	0791404	1	Screw 1/4 x 1/2	
2	4010303	1	Screw M3 x 6	
3	4031510	2	Bolt M4 x 30	
4	4871200	1	Washer M3	
5	1001110544	1	Washer M3	
6	1001180620	AR	Adhesive	
7	1001191022	1	Sensor	
8	1001254016	1	Stud	
9	1001254017	1	Link, Angle Sensor Arm	
10	1001254018	1	Bracket	

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

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



ART_1001228215

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

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 5-2. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 4FT (76CM X 1.22M) (SAE MATERIAL)

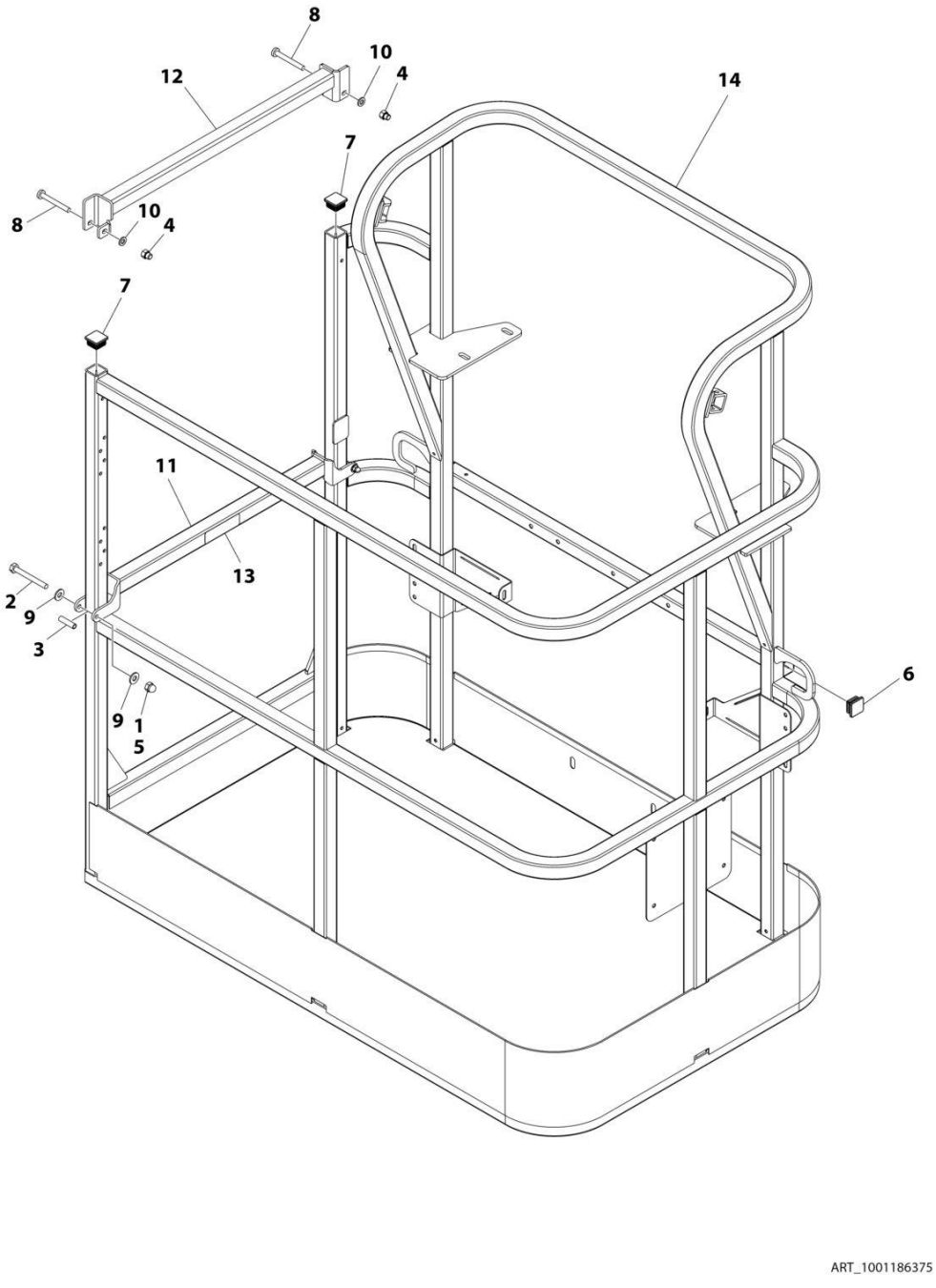


FIGURE 5-2. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 4FT (76CM X 1.22M) (SAE MATERIAL)

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 5-3. PLATFORM ASSEMBLY WITH DROP BAR - 30IN X 4FT (76CM X 1.22M) (METRIC MATERIAL)

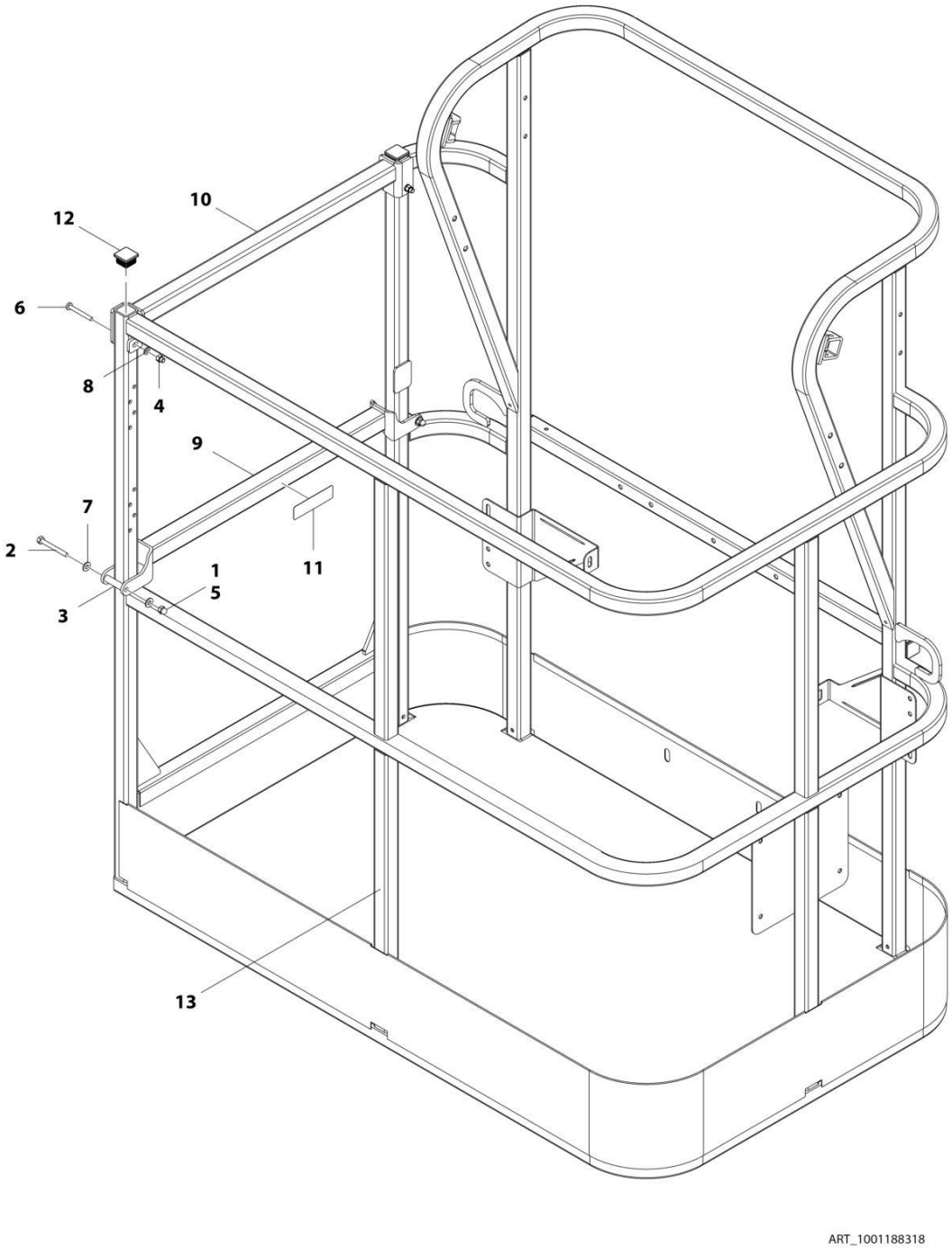


FIGURE 5-3. PLATFORM ASSEMBLY WITH DROP BAR - 30IN X 4FT (76CM X 1.22M) (METRIC MATERIAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188318	Ref	PLATFORM ASSEMBLY	C
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	4010618	2	Screw M6 x 50	
7	4711400	4	Washer 1/4	
8	4811700	2	Washer M6	
9	1001138494	1	Bar, Drop	
10	1001138514	1	Rail (Top)	
11	1001140429	1	Decal - Drop Bar	
12	1001145781	4	Cap, Plug	
13	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-4. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 5FT (76CM X 1.52M) (SAE MATERIAL)

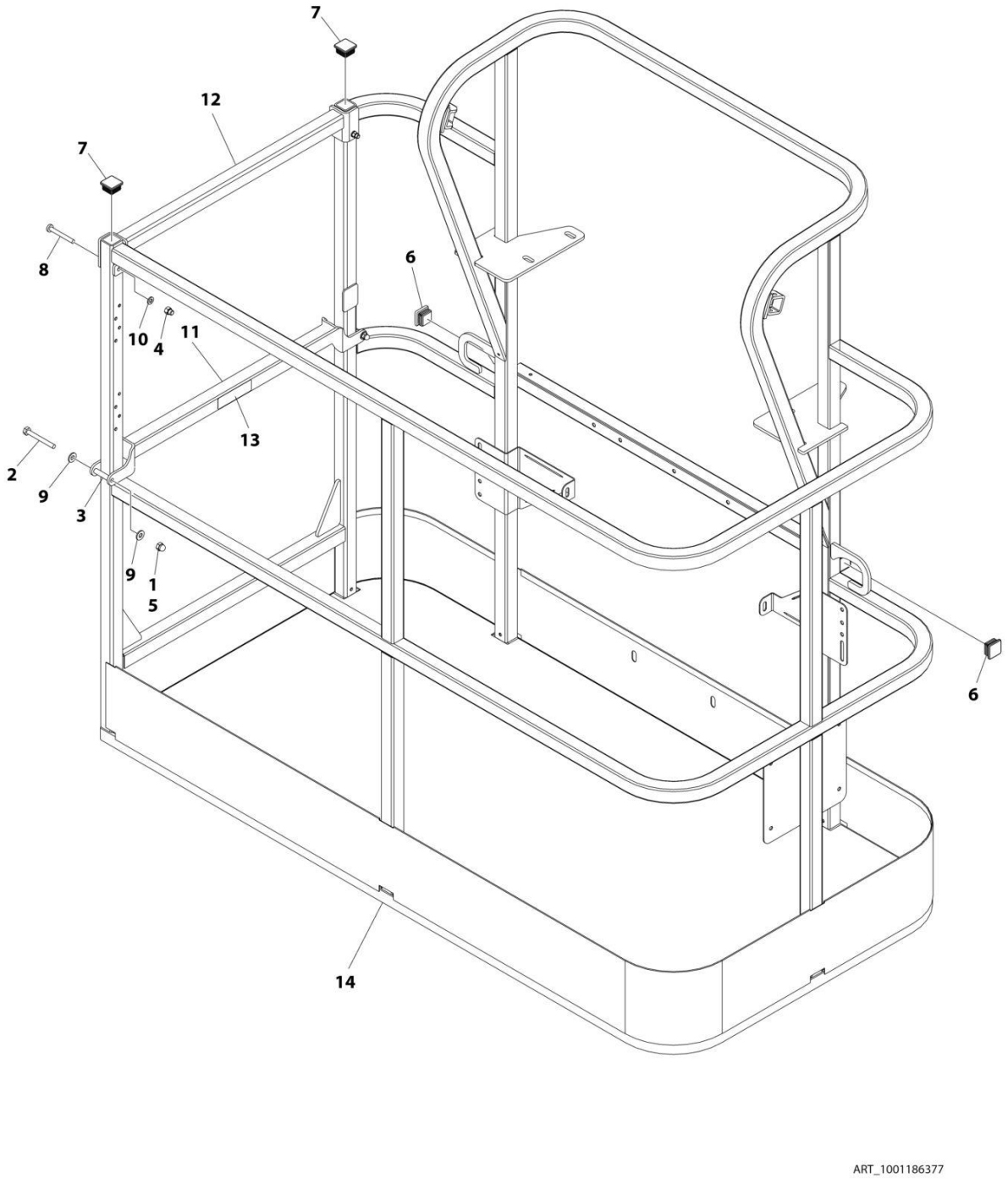


FIGURE 5-4. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 5FT (76CM X 1.52M) (SAE MATERIAL)

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 5-5. PLATFORM ASSEMBLY WITH DROP BAR - 30IN X 5FT (76CM X 1.52M) (METRIC MATERIAL)

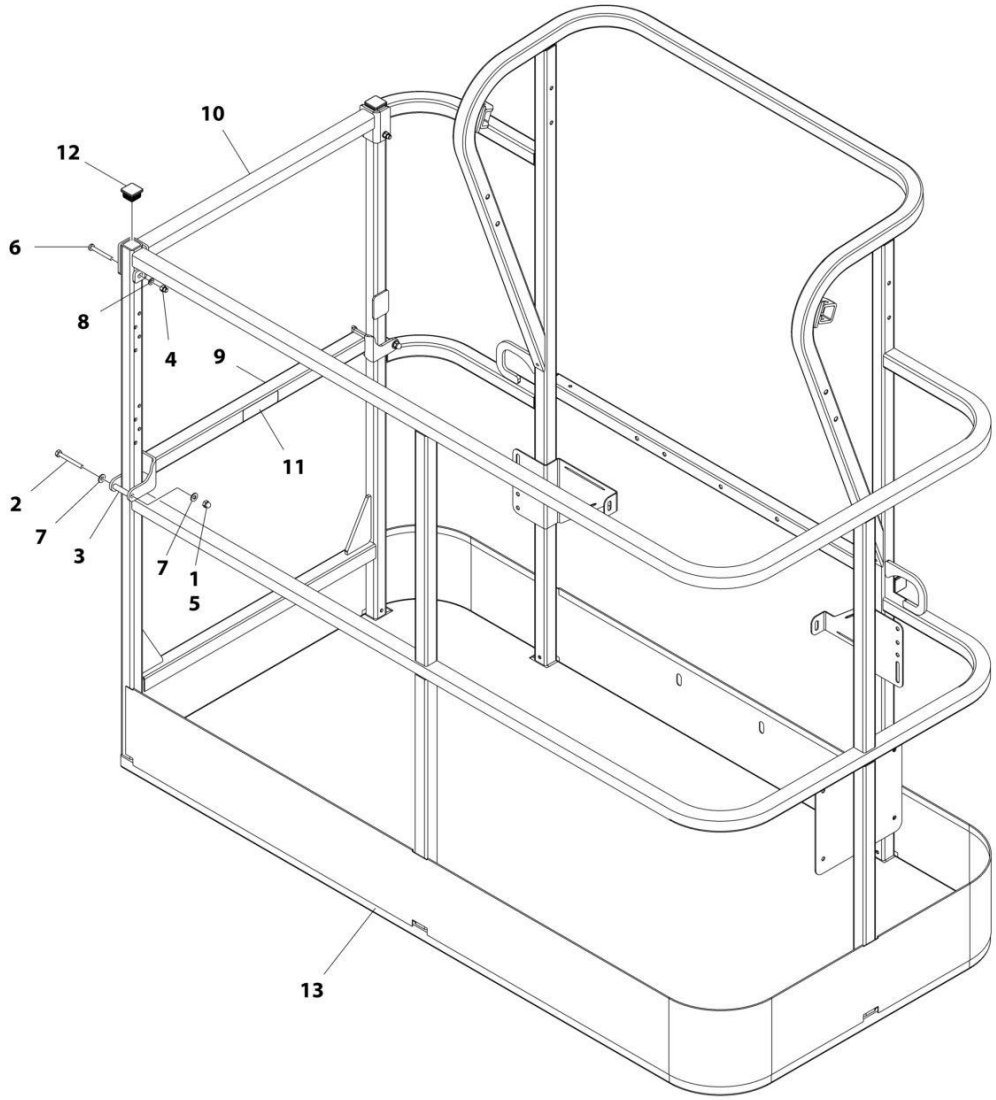


FIGURE 5-5. PLATFORM ASSEMBLY WITH DROP BAR - 30IN X 5FT (76CM X 1.52M) (METRIC MATERIAL)

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

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

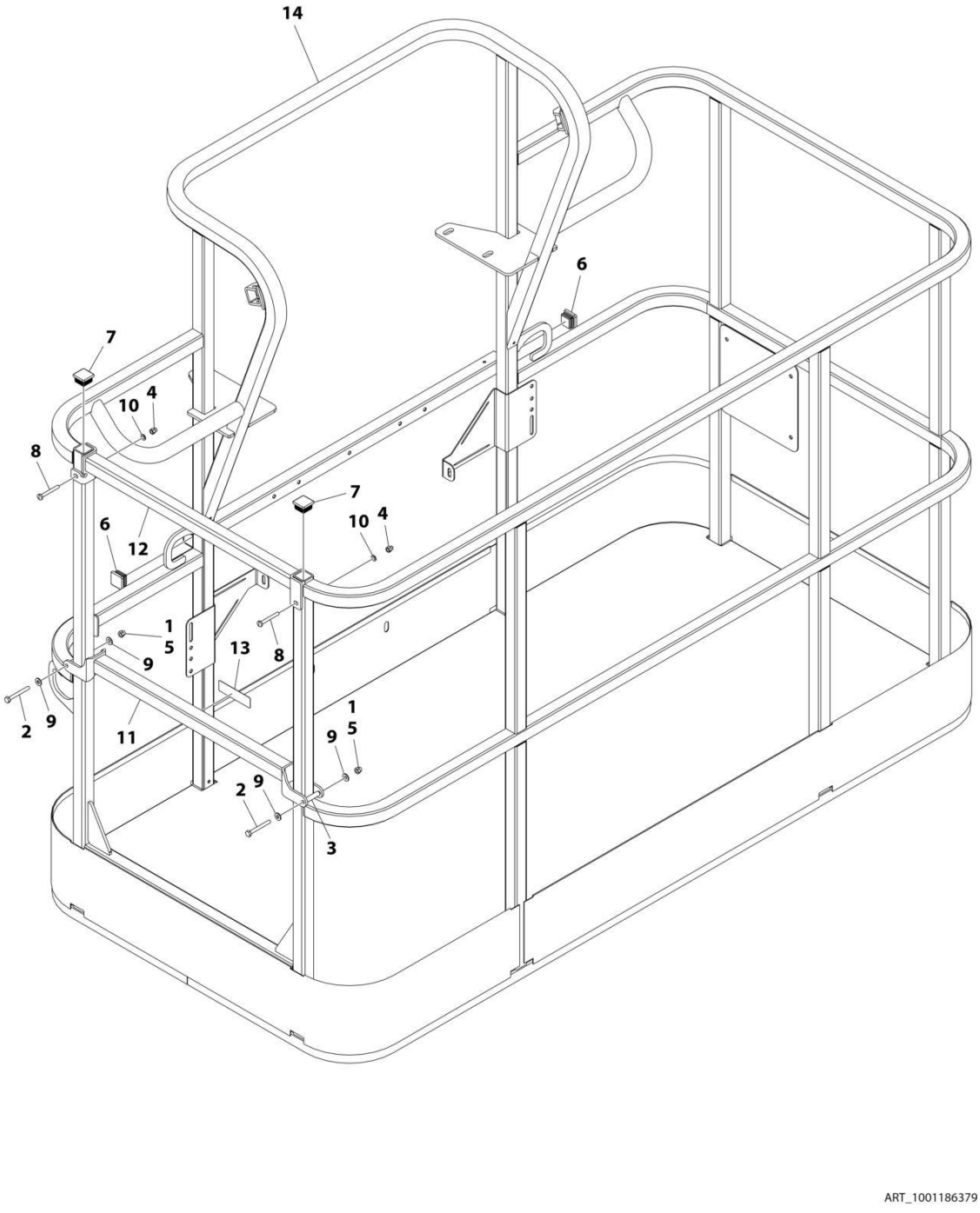


FIGURE 5-6. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 6FT (91.5CM X 1.83M) (SAE MATERIAL)

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

FIGURE 5-7. PLATFORM ASSEMBLY WITH DROP BAR - 36IN X 6FT (91.5CM X 1.83M) (METRIC MATERIAL)

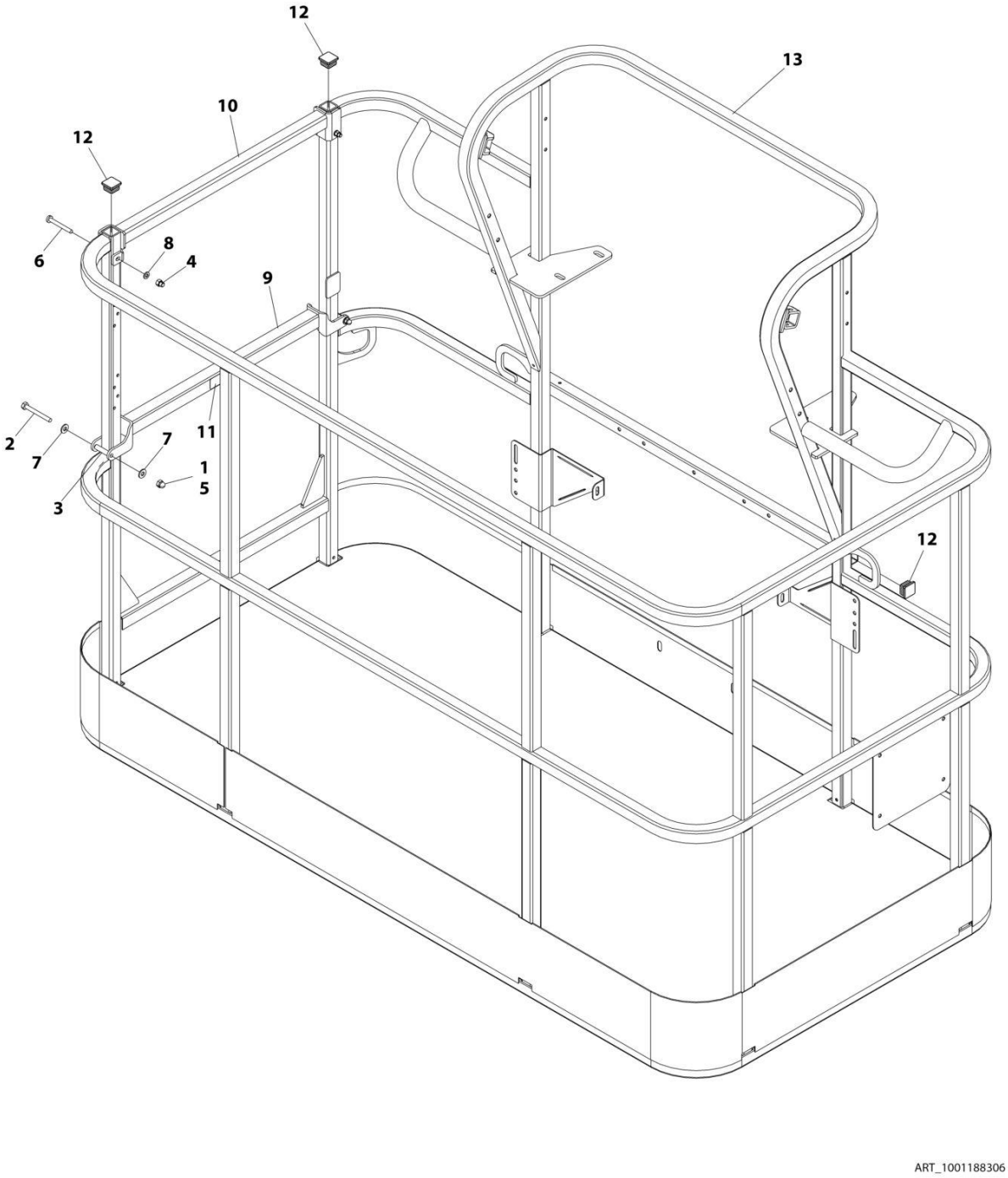


FIGURE 5-7. PLATFORM ASSEMBLY WITH DROP BAR - 36IN X 6FT (91.5CM X 1.83M) (METRIC MATERIAL)

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

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

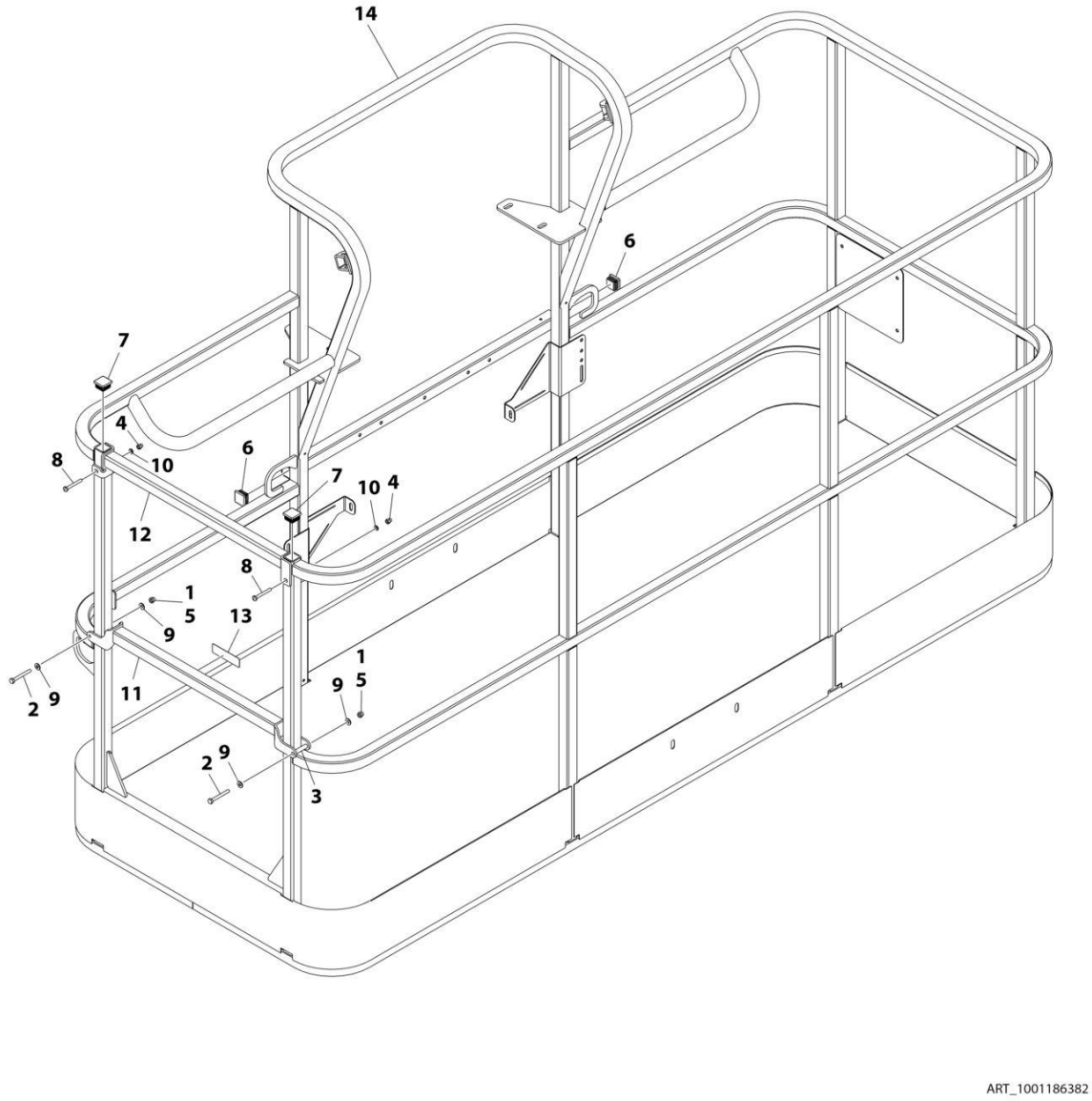


FIGURE 5-8. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 8FT (91.5CM X 2.44M) (SAE MATERIAL)

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

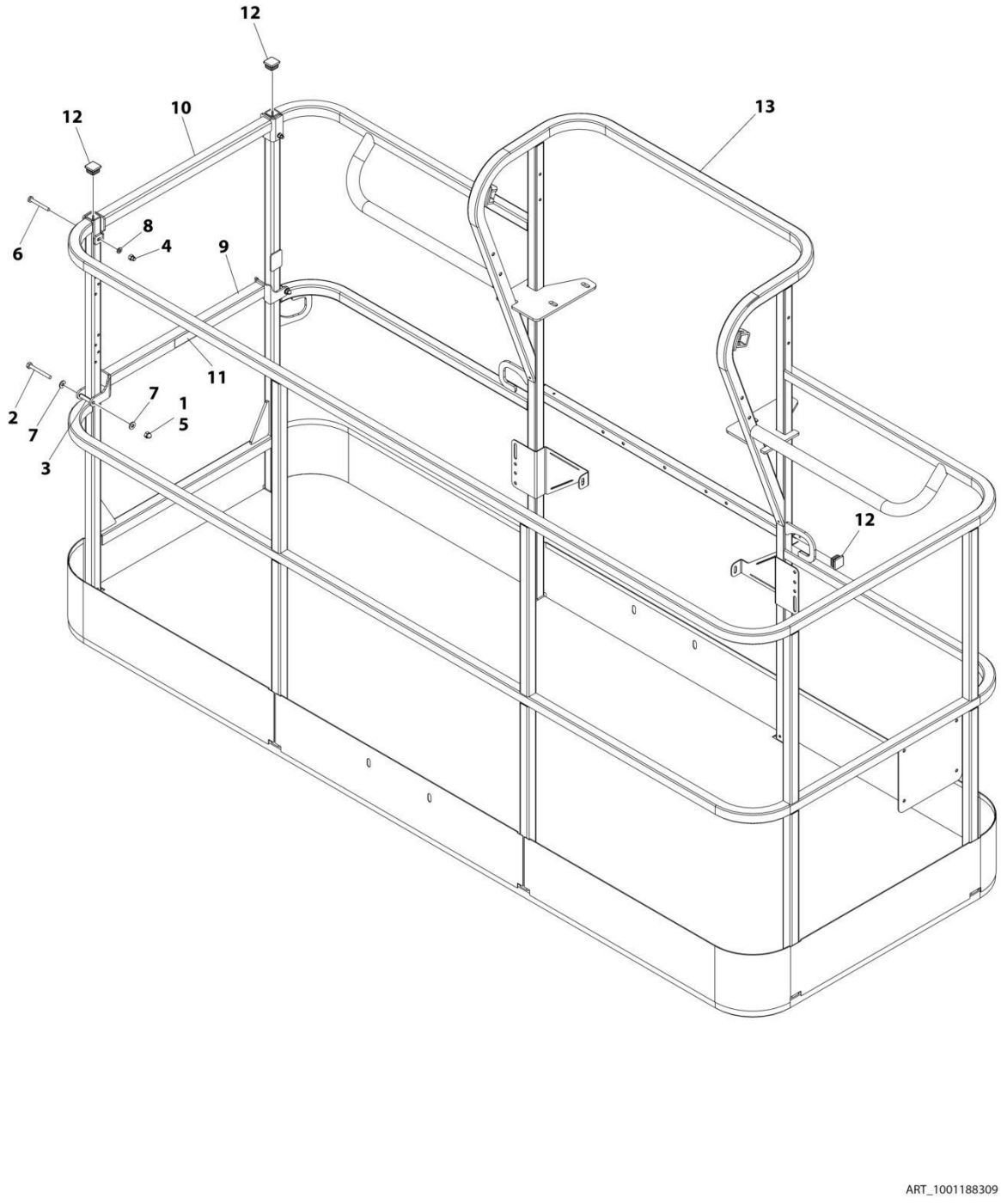


FIGURE 5-9. PLATFORM ASSEMBLY WITH DROP BAR - 36IN X 8FT (91.5CM X 2.44M) (METRIC MATERIAL)

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

FIGURE 5-10. PLATFORM ASSEMBLY WITH SWING GATE - 30IN X 4FT (76CM X 1.22M) (SAE MATERIAL)

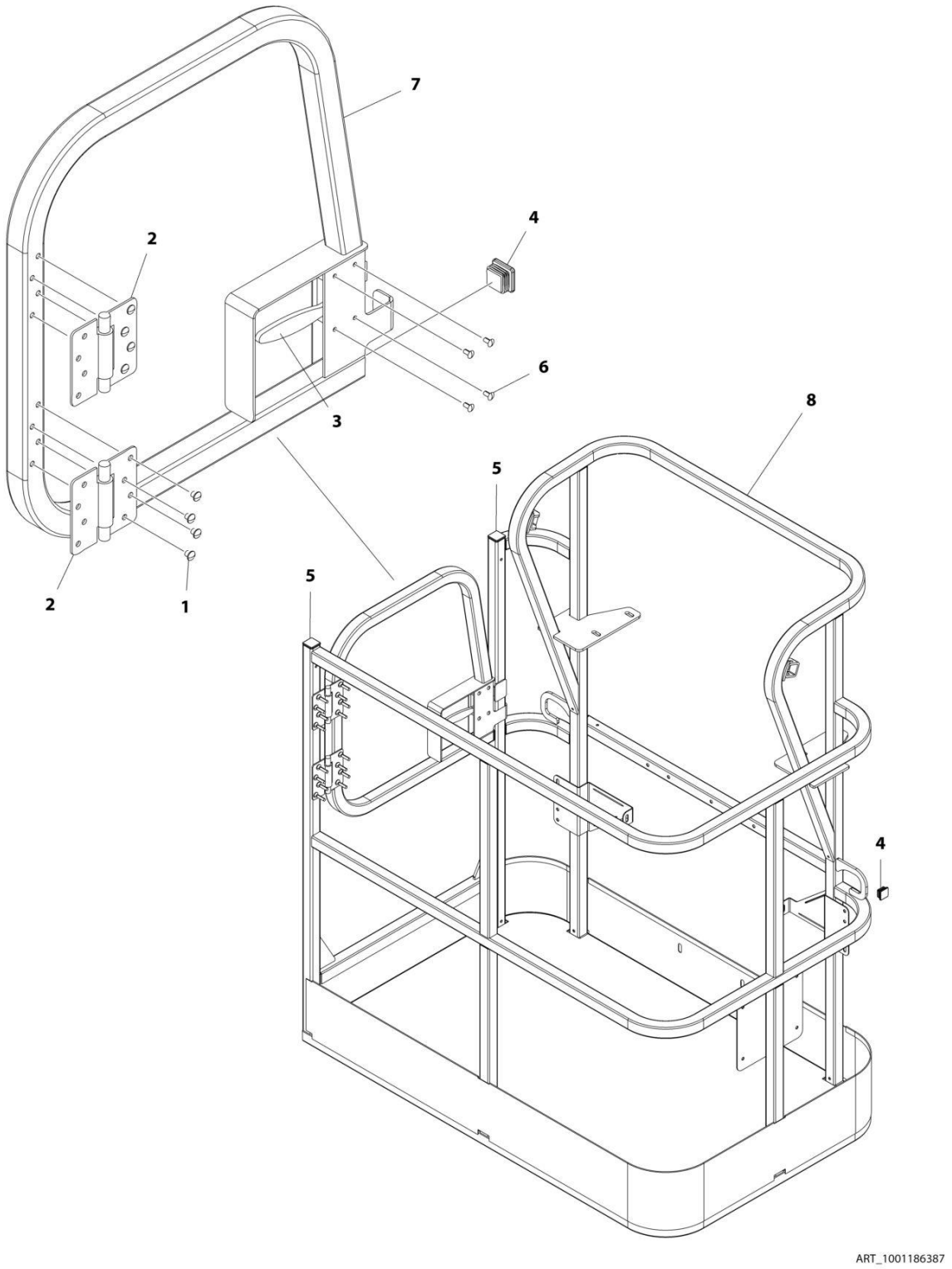


FIGURE 5-10. PLATFORM ASSEMBLY WITH SWING GATE - 30IN X 4FT (76CM X 1.22M) (SAE MATERIAL)

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 5-11. PLATFORM ASSEMBLY WITH SWING GATE - 30IN X 4FT (76CM X 1.22M) (METRIC MATERIAL)

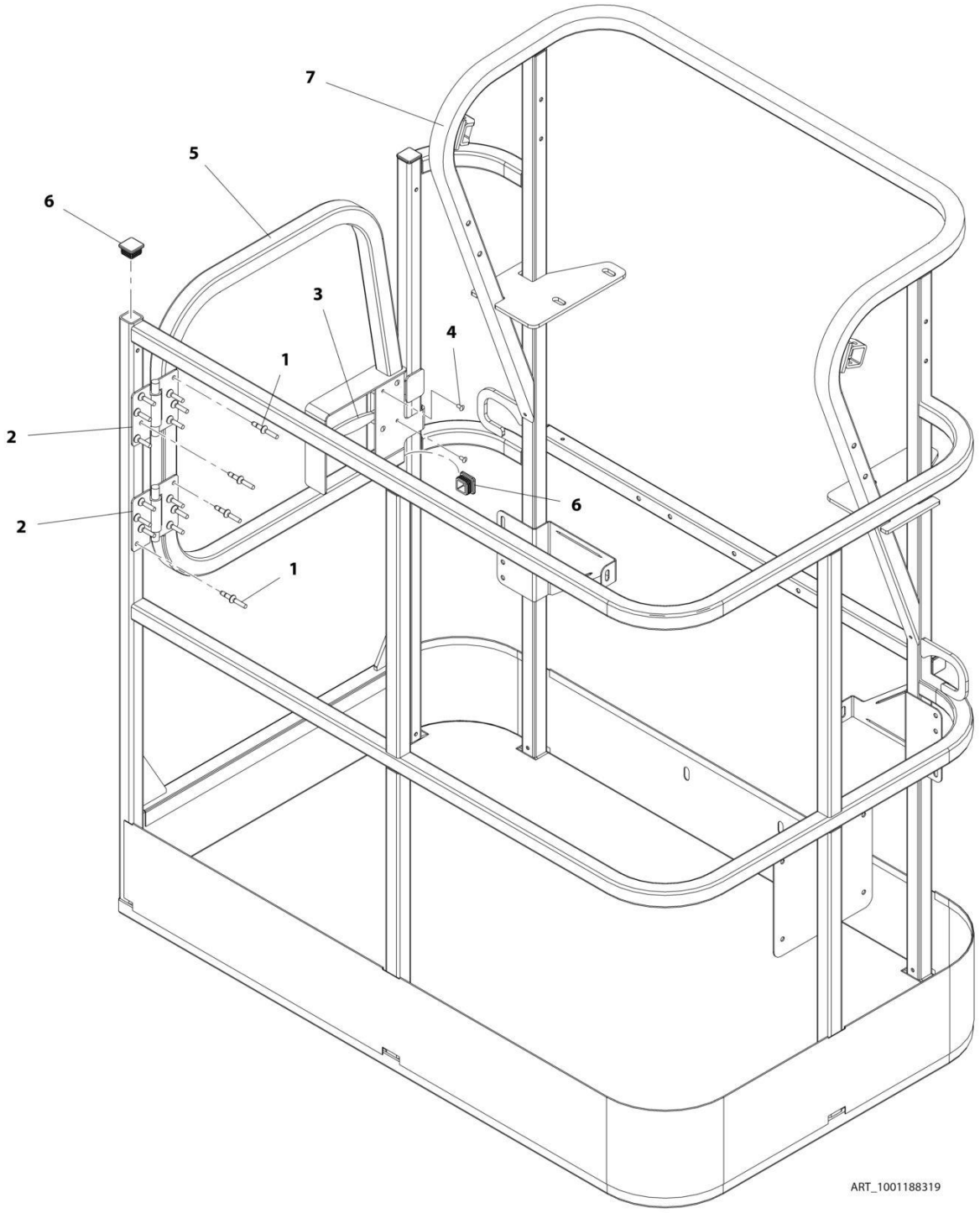


FIGURE 5-11. PLATFORM ASSEMBLY WITH SWING GATE - 30IN X 4FT (76CM X 1.22M) (METRIC MATERIAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188319	Ref	PLATFORM ASSEMBLY	D
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge, Self-Closing	
3	2940074	1	Latch	
4	3820020	4	Rivet	
5	1001144629	1	Gate, Weldment	
6	1001145781	5	Cap, Plug	
7	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-12. PLATFORM ASSEMBLY WITH SWING GATE - 30IN X 5FT (76CM X 1.52M) (SAE MATERIAL)

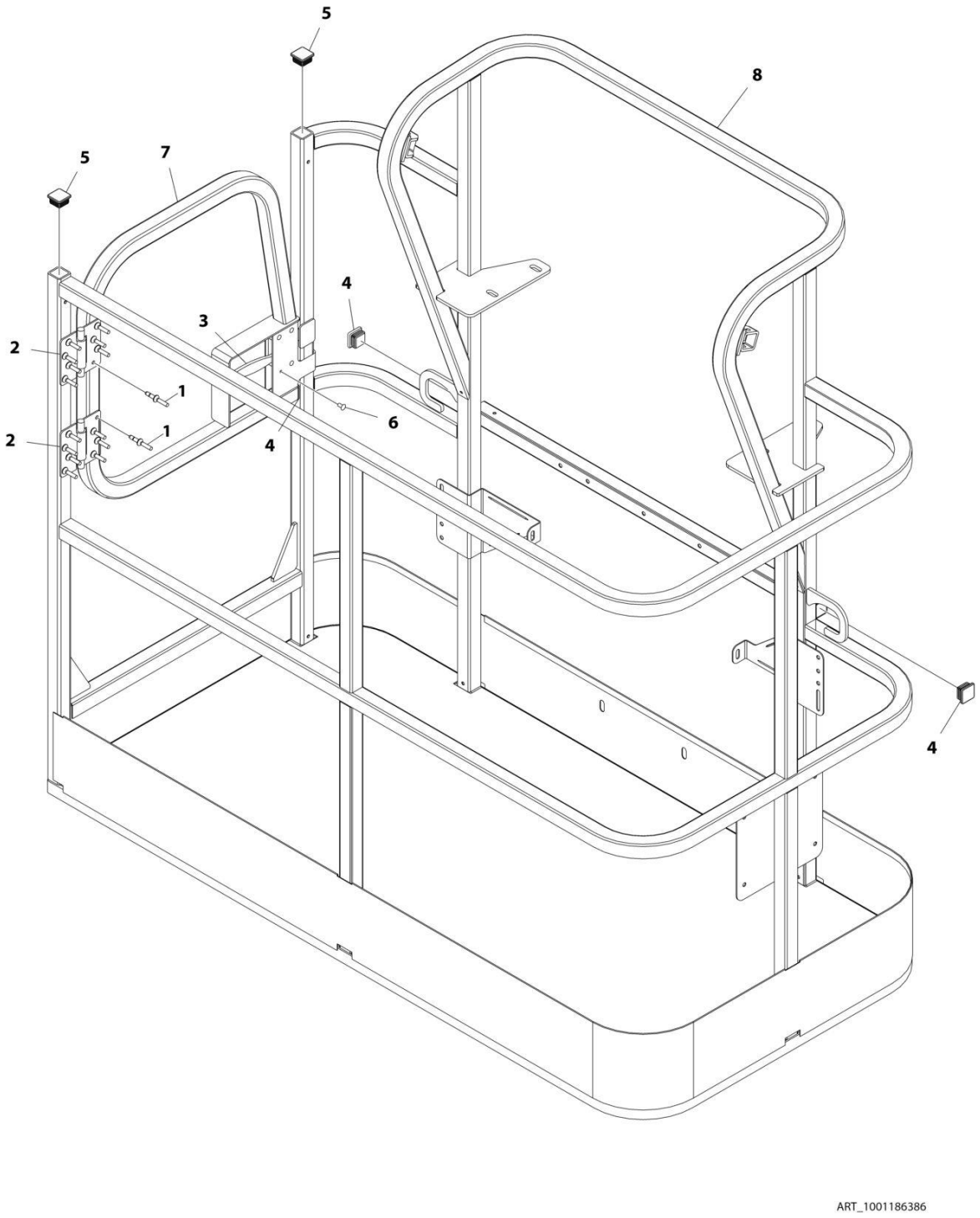


FIGURE 5-12. PLATFORM ASSEMBLY WITH SWING GATE - 30IN X 5FT (76CM X 1.52M) (SAE MATERIAL)

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 5-13. PLATFORM ASSEMBLY WITH SWING GATE - 30IN X 5FT (76CM X 1.52M) (METRIC MATERIAL)

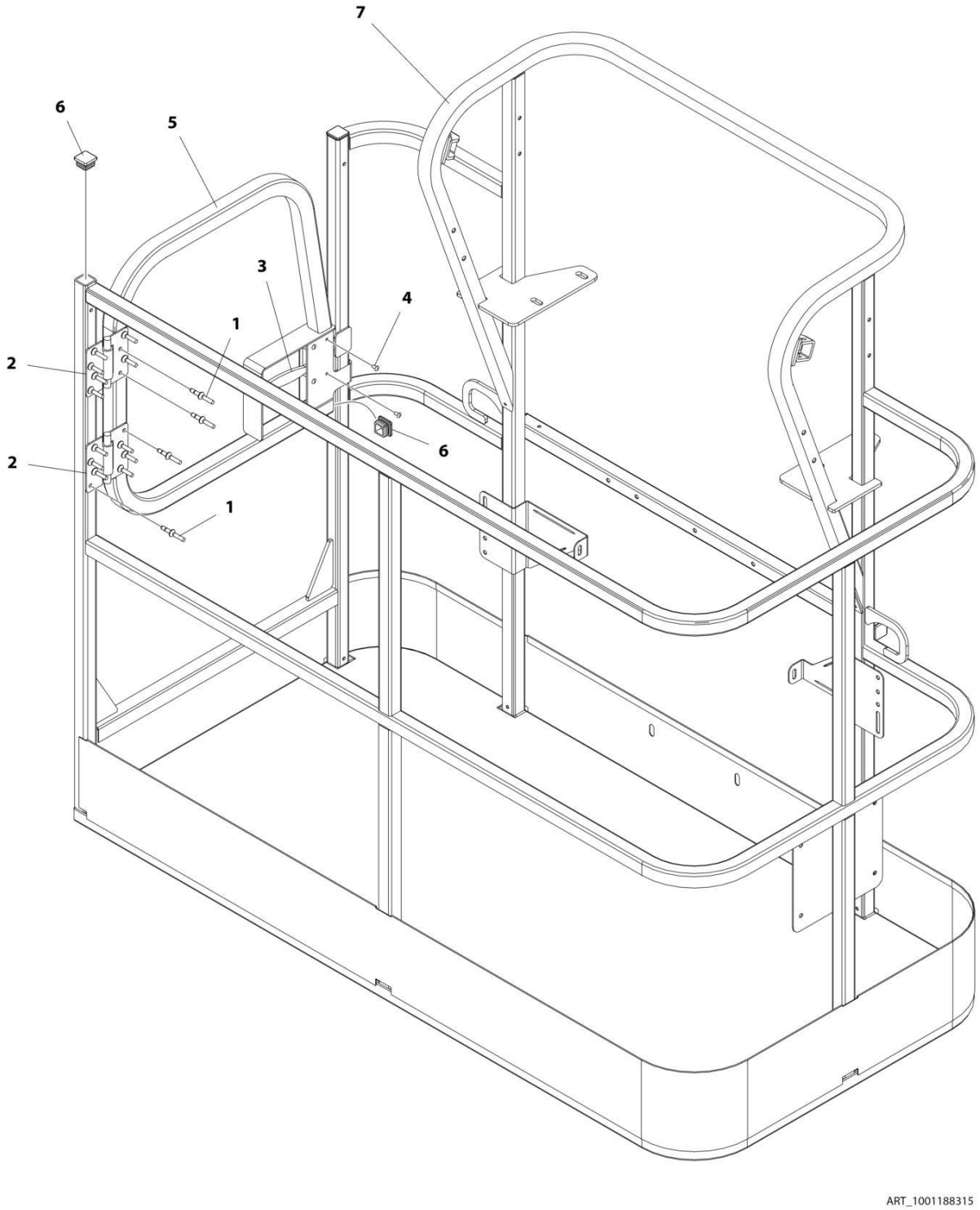


FIGURE 5-13. PLATFORM ASSEMBLY WITH SWING GATE - 30IN X 5FT (76CM X 1.52M) (METRIC MATERIAL)

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

FIGURE 5-14. PLATFORM ASSEMBLY WITH SWING GATE - 36IN X 6FT (91.5CM X 1.83M) (SAE MATERIAL)

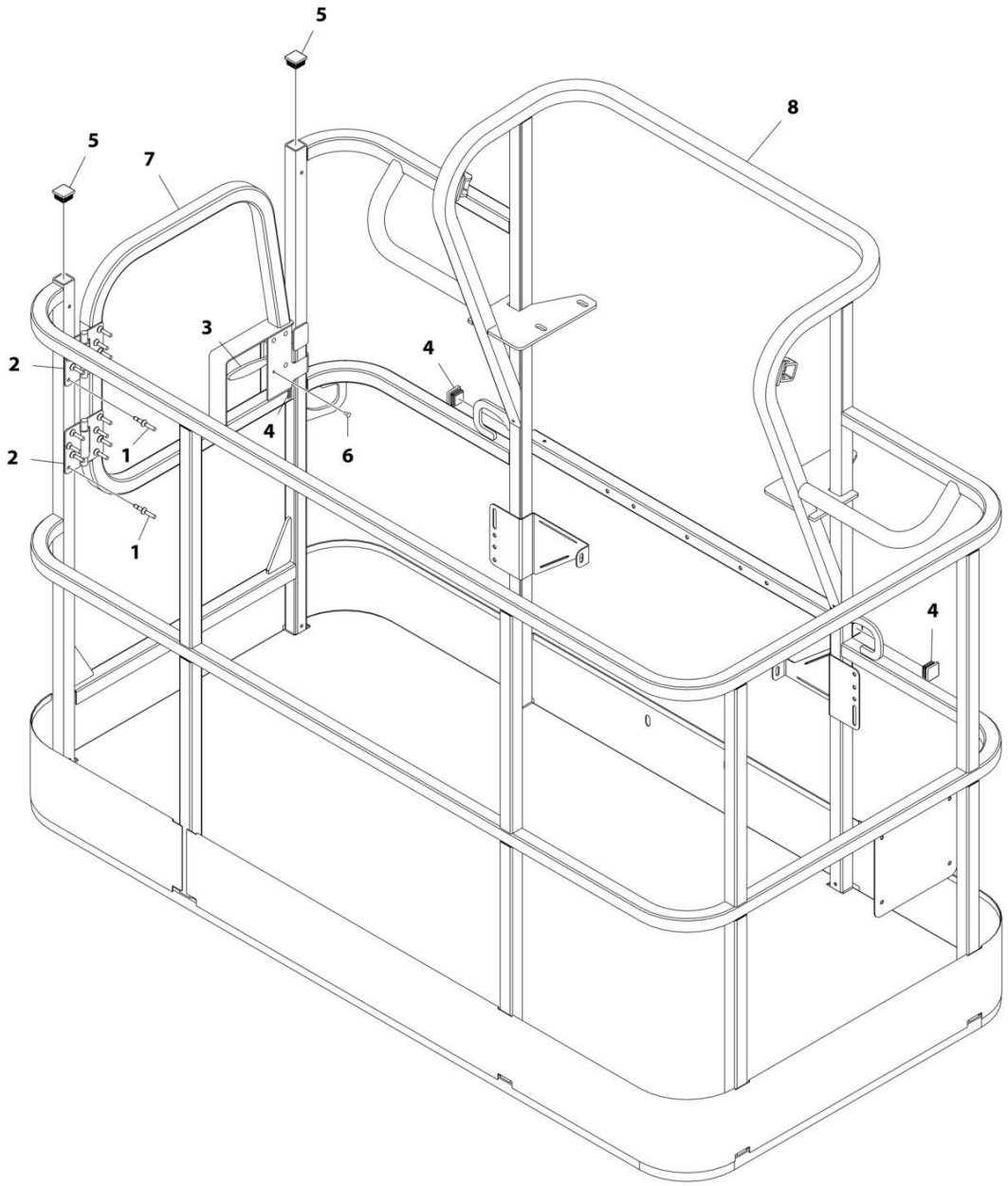


FIGURE 5-14. PLATFORM ASSEMBLY WITH SWING GATE - 36IN X 6FT (91.5CM X 1.83M) (SAE MATERIAL)

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 5-15. PLATFORM ASSEMBLY WITH SWING GATE - 36IN X 6FT (91.5CM X 1.83M) (METRIC MATERIAL)

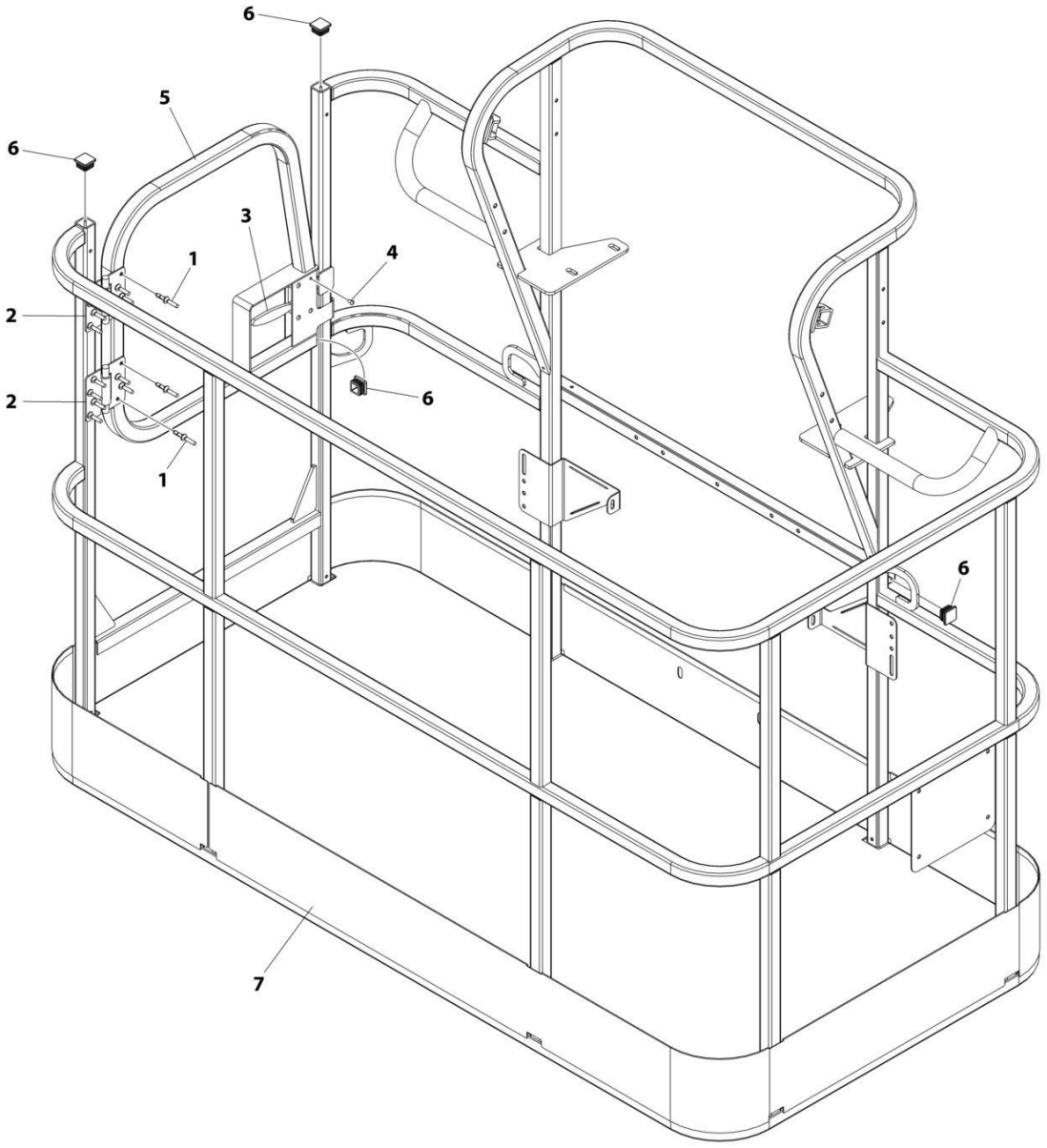


FIGURE 5-15. PLATFORM ASSEMBLY WITH SWING GATE - 36IN X 6FT (91.5CM X 1.83M) (METRIC MATERIAL)

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

FIGURE 5-16. PLATFORM ASSEMBLY WITH SWING GATE - 36IN X 8FT (91.5CM X 2.44M) (SAE MATERIAL)

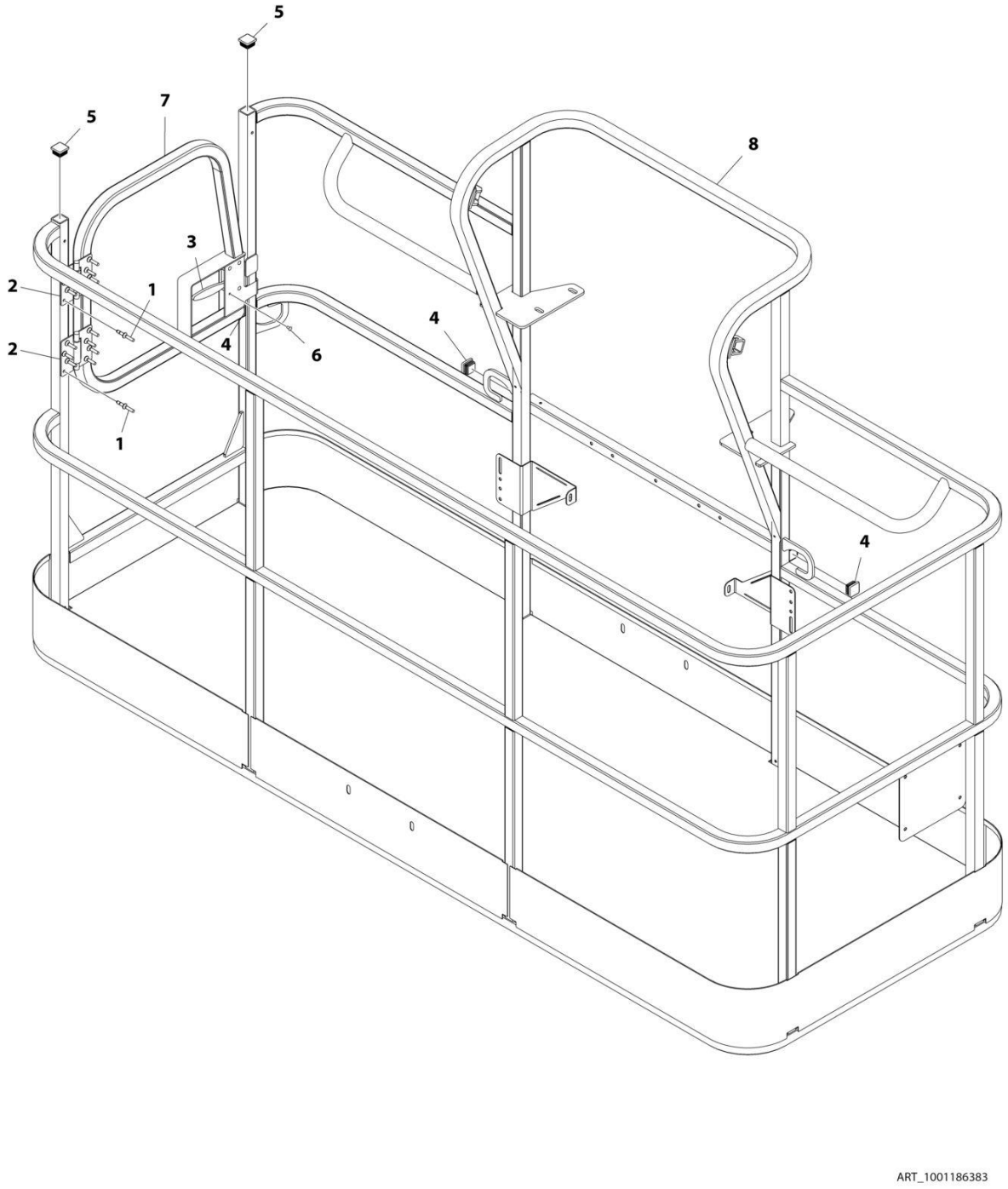


FIGURE 5-16. PLATFORM ASSEMBLY WITH SWING GATE - 36IN X 8FT (91.5CM X 2.44M) (SAE MATERIAL)

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 5-17. PLATFORM ASSEMBLY WITH SWING GATE - 36IN X 8FT (91.5CM X 2.44M) (METRIC MATERIAL)

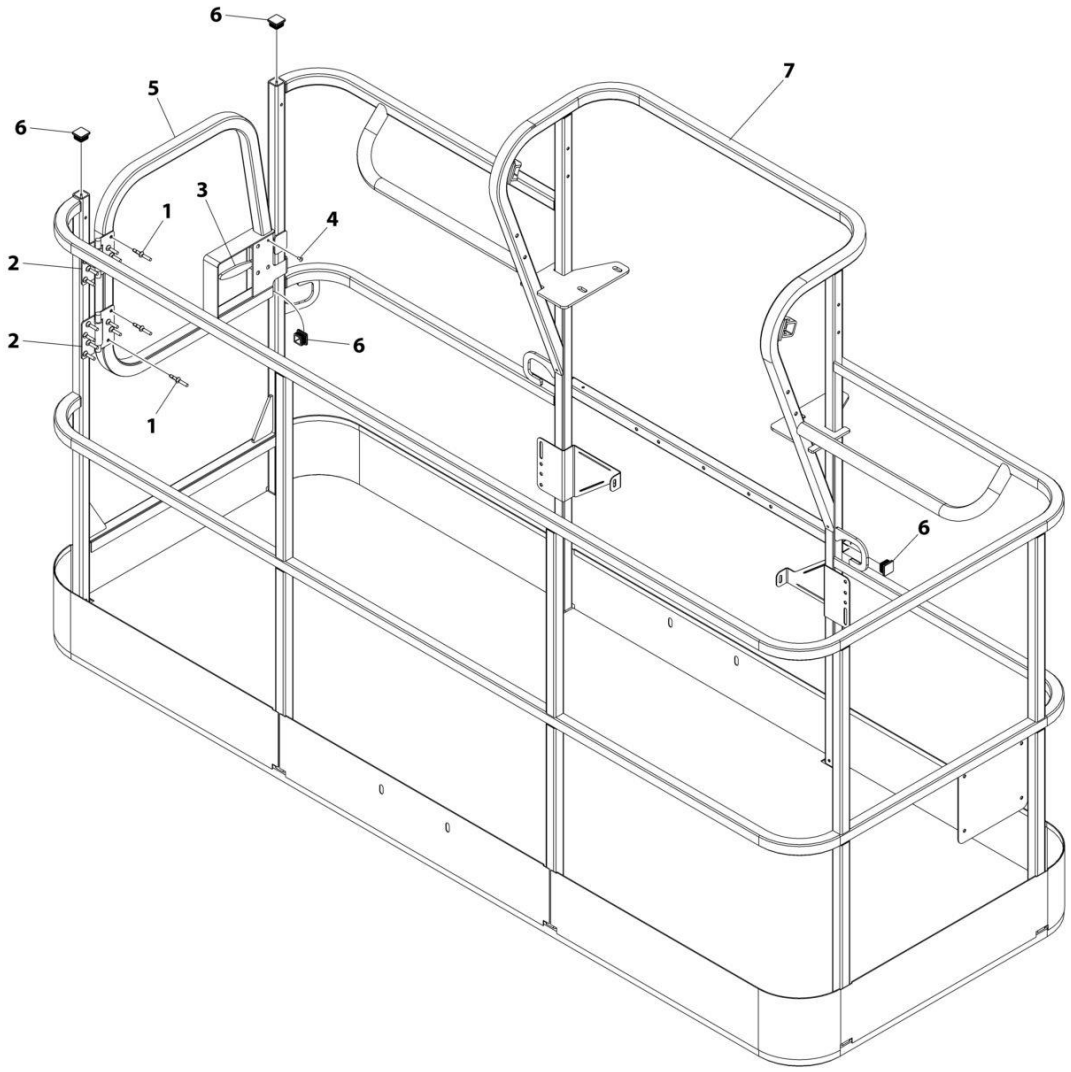


FIGURE 5-17. PLATFORM ASSEMBLY WITH SWING GATE - 36IN X 8FT (91.5CM X 2.44M) (METRIC MATERIAL)

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

FIGURE 5-18. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M)

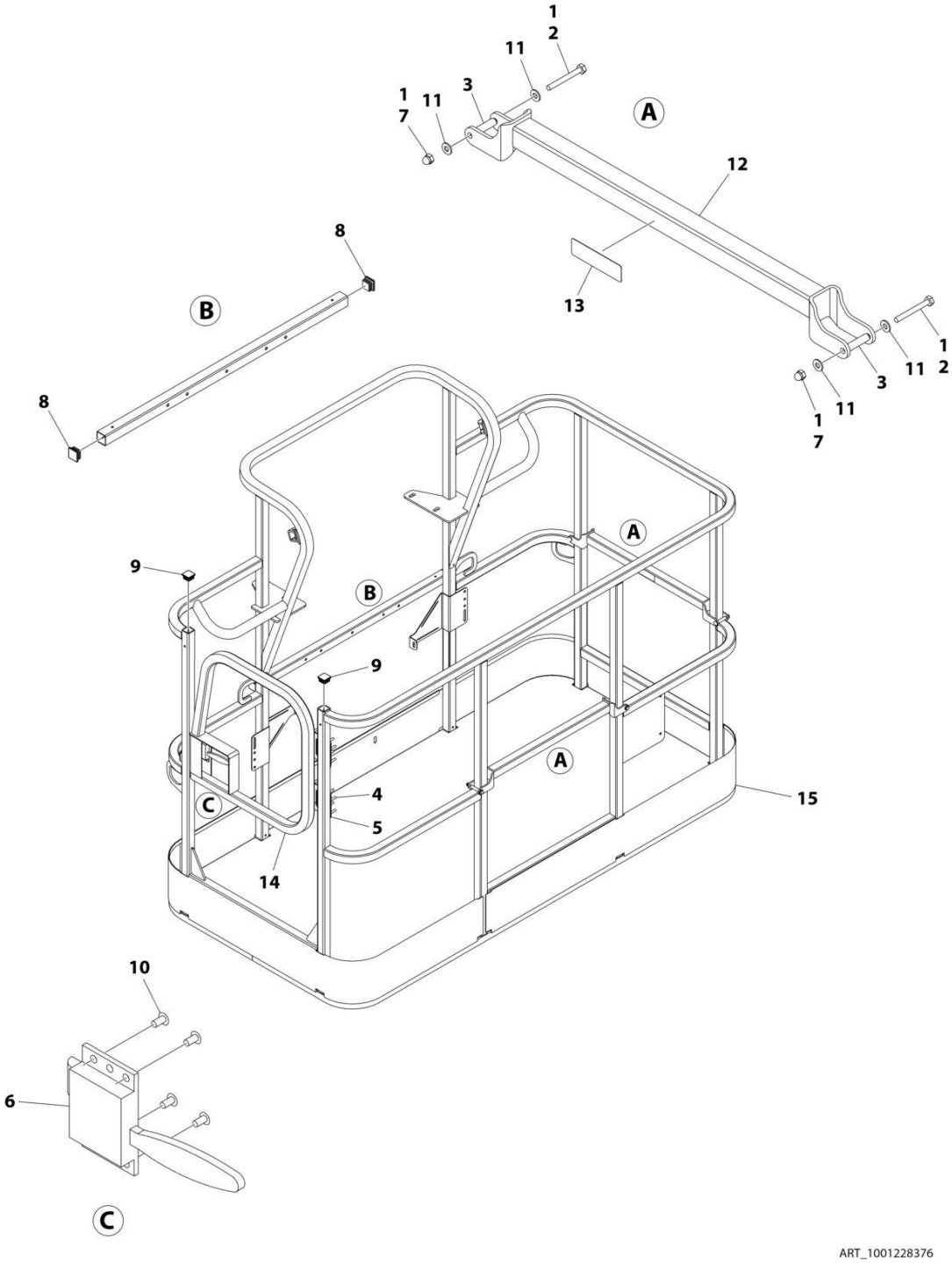


FIGURE 5-18. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M)

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

FIGURE 5-19. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M)

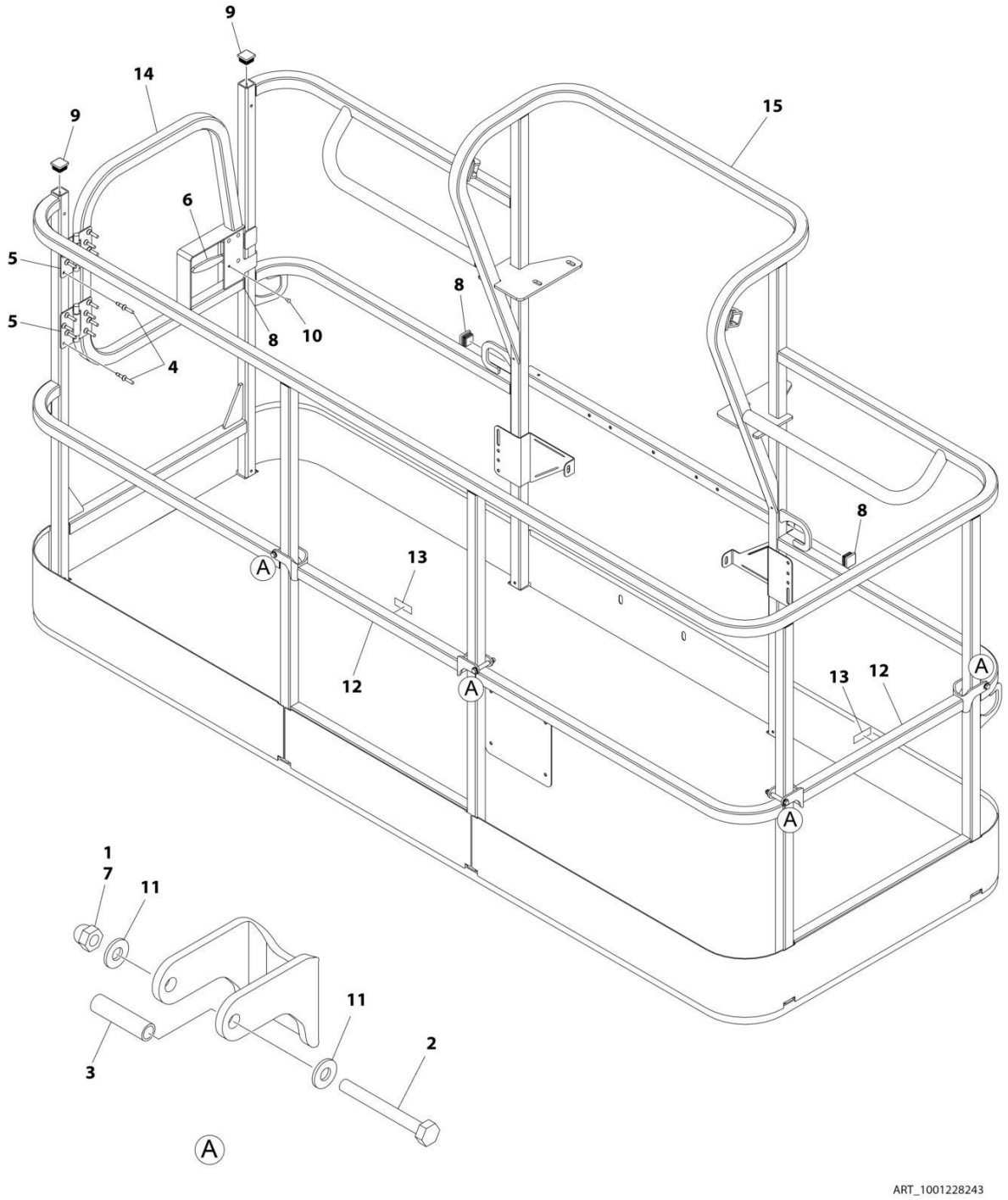


FIGURE 5-19. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M)

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

SECTION 5 - PLATFORM

FIGURE 5-20. PLATFORM ASSEMBLY WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M)

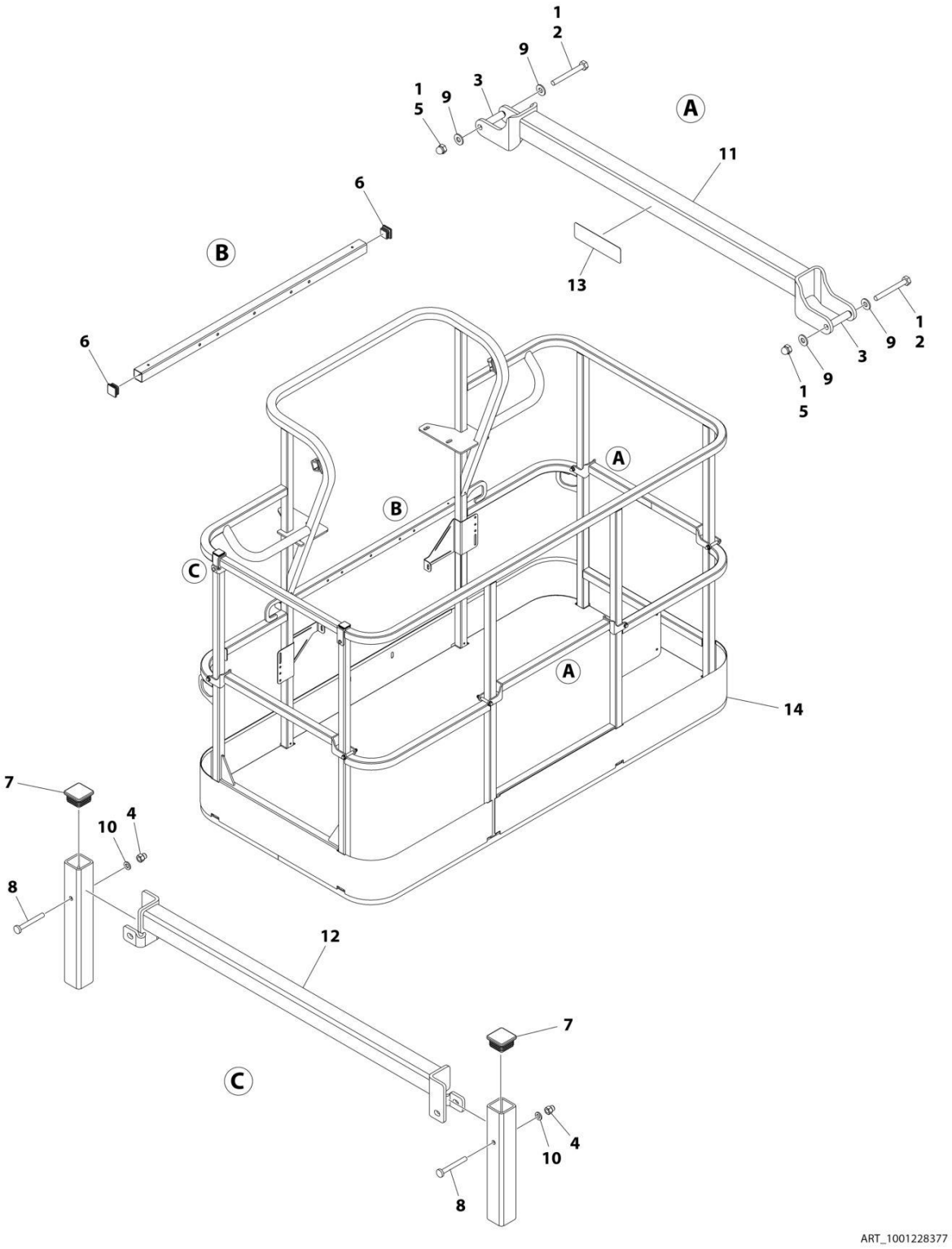


FIGURE 5-20. PLATFORM ASSEMBLY WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M)

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

FIGURE 5-21. PLATFORM ASSEMBLY WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M)

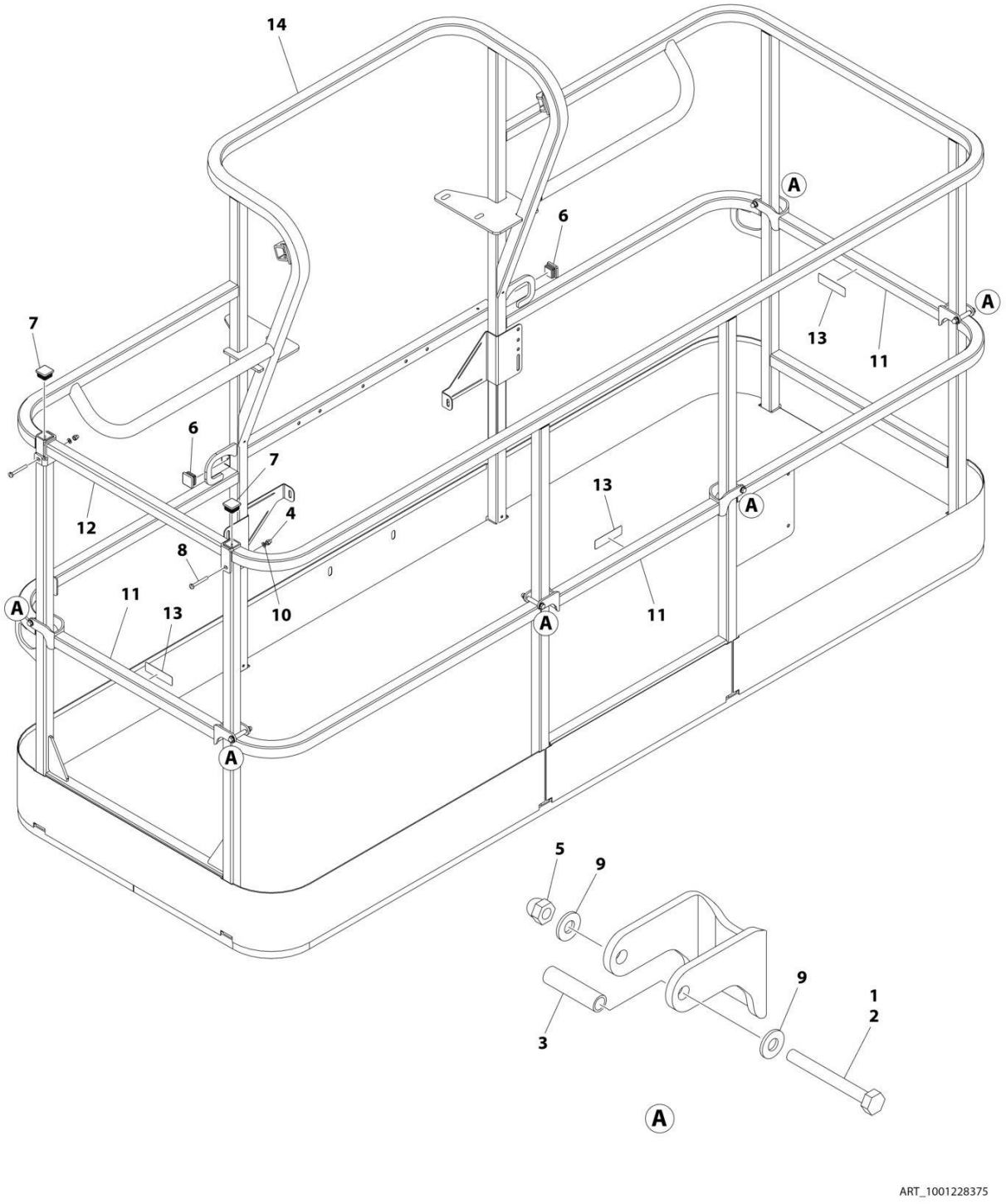


FIGURE 5-21. PLATFORM ASSEMBLY WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M)

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

FIGURE 5-22. PLATFORM ASSEMBLY WITH FALL ARREST (6FT)

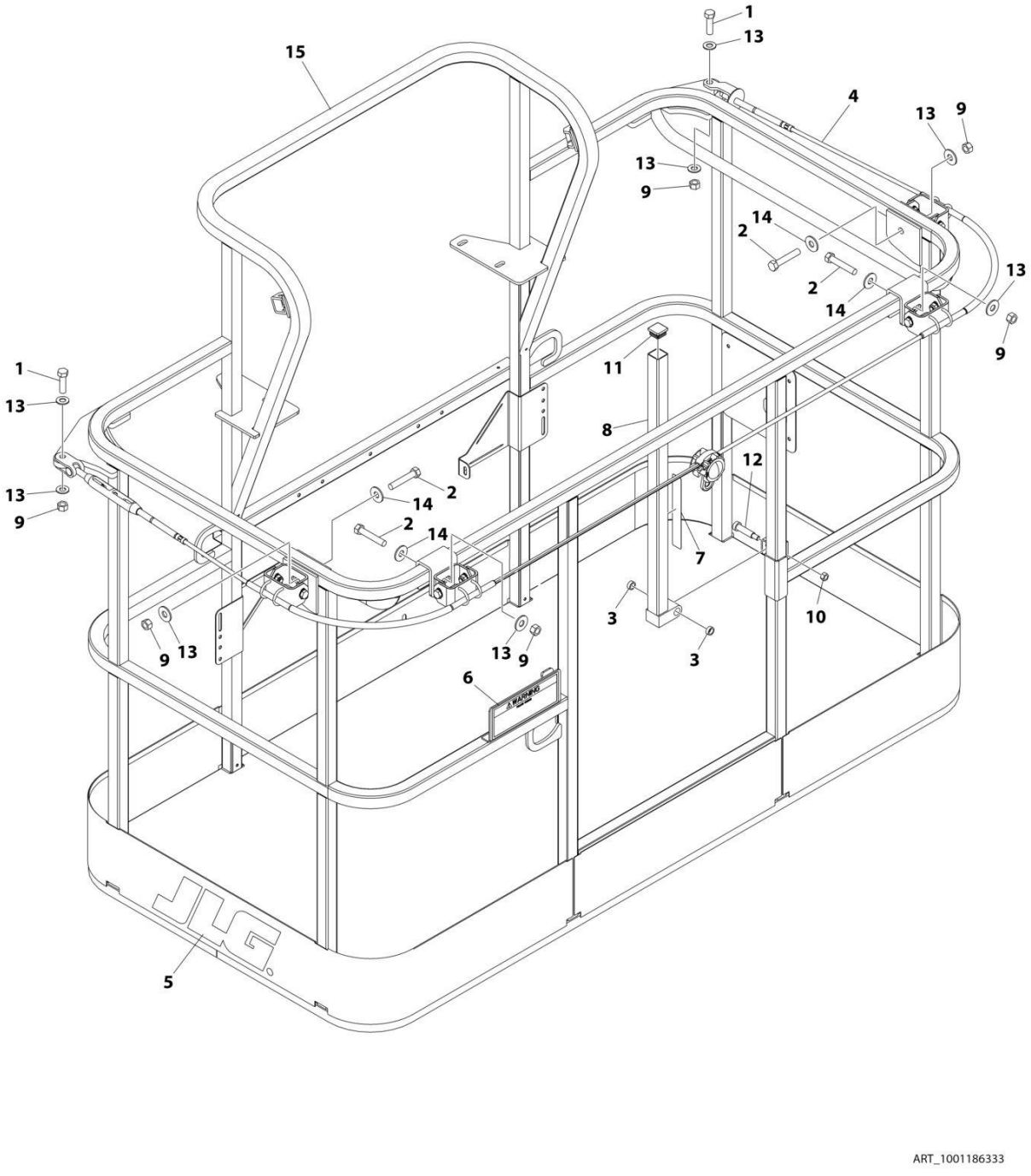


FIGURE 5-22. PLATFORM ASSEMBLY WITH FALL ARREST (6FT)

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 5-23. PLATFORM ASSEMBLY WITH FALL ARREST (8FT)

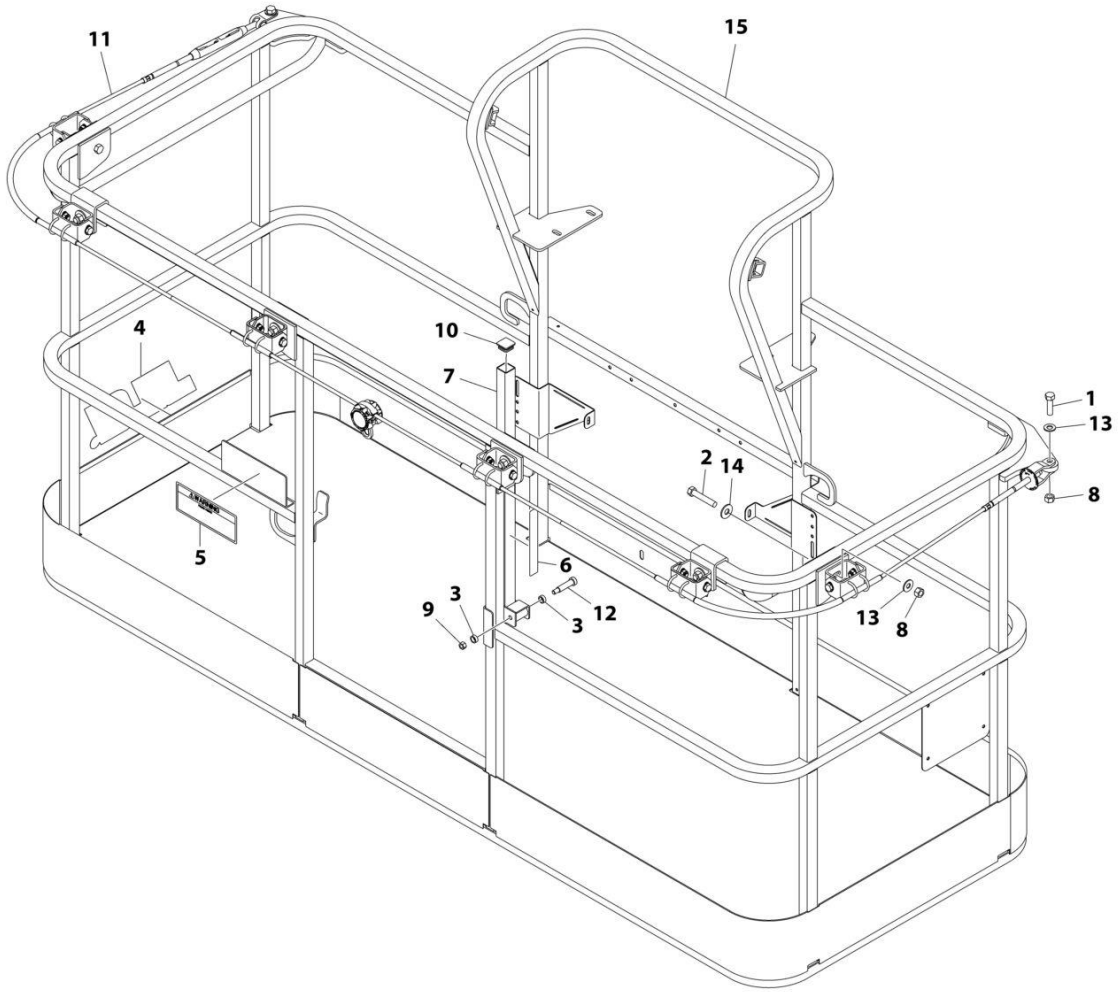


FIGURE 5-23. PLATFORM ASSEMBLY WITH FALL ARREST (8FT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186334	Ref	PLATFORM ASSEMBLY	D
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0681814	2	Bolt 1/2 x 1-3/4 Grade 8	
2	0681822	6	Bolt 1/2 x 2-3/4 Grade 8	
3	0962270	2	Bearing	
4	1702773	1	Decal - JLG	
5	1705014	1	Decal - Safety	
6	1706385	1	Decal - Drop Bar	
7	2410014	1	Bar, Drop	
8	3271805	8	Nut 1/2 Grade 8	
9	3311605	1	Nut 3/8	
10	3520072	1	Plug	
11	1001203656	1	Cable	
12	3900054	1	Bolt 1/2 x 1-3/4	
13	4711800	2	Washer 1/2	
14	4751800	6	Washer 1/2	
15	See Note	NSS	Platform (Note: Purchase Platform Assembly)	

FIGURE 5-24. PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION

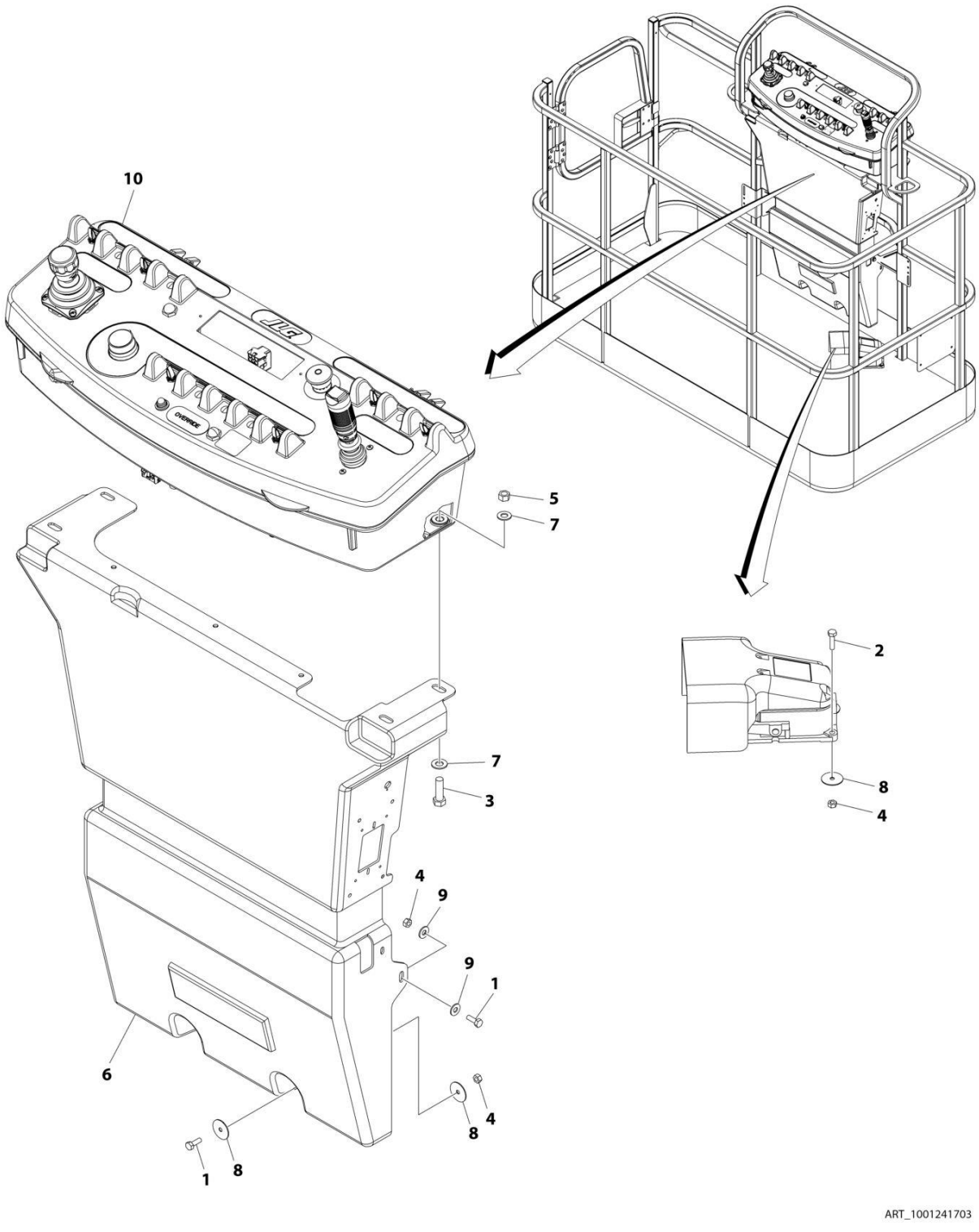


FIGURE 5-24. PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241703	Ref	PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION	B
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	4751600	8	Washer 3/8	
8	4740362	7	Washer	
9	4751400	4	Washer 1/4	
10	1001241689	1	Platform Console Assembly (See Separate Breakdown in this Section)	

FIGURE 5-25. PLATFORM CONSOLE ASSEMBLY

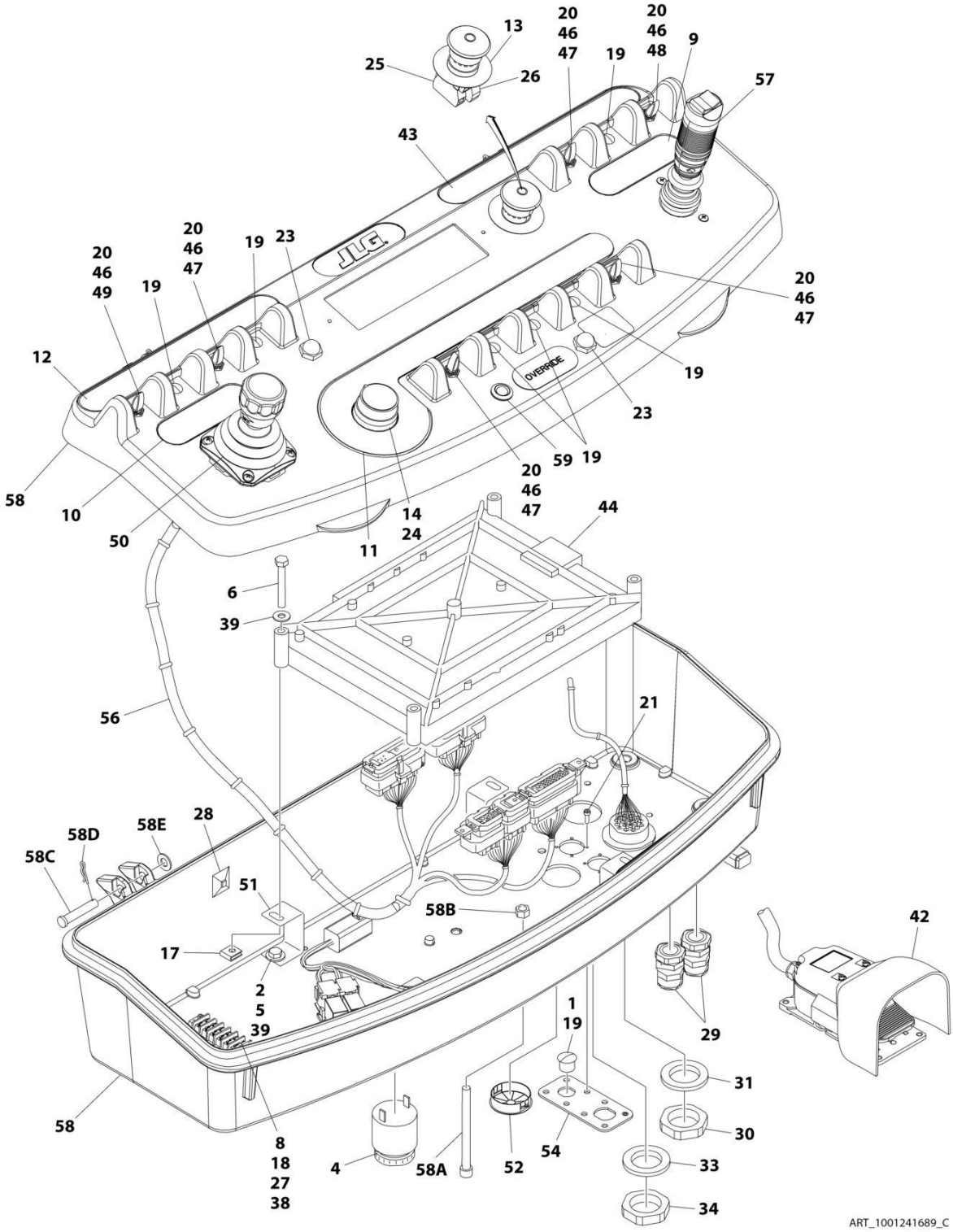


FIGURE 5-25. PLATFORM CONSOLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241689	Ref	CONSOLE BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100035	AR	Compound, Locking	
4	0140011	1	Alarm	
5	0641405	4	Bolt 1/4 x 5/8	
6	0641414	4	Bolt 1/4 x 1-3/4	
8	0721006	2	Screw #10 x 3/4	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1702567	1	Decal - Function Speed	
12	1001184626	1	Decal - Horn	
13	1704260	1	Decal - Emergency Stop	
14	2560136	1	Knob	
17	3300353	4	Nut, Tinnerman	
18	3311005	2	Nut #10	
19	3520054	7	Plug, Hole	
20	3790012	6	O-Ring	
21	3900349	8	Capscrew M2.5	
22	4240099	AR	Tie-Strap (Not Shown)	
23	4360387	2	Switch, Push Button	
24	4360407	1	Switch, Flow Control	
24	See Note	1	Gasket "Top Hat" (Included with Switch) (Note: Not Available for Purchase)	
24	70003784	1	Seal	
25	1001274559	1	Switch, Emergency Stop	
26	4360476	1	Switch, Contact	
27	4460007	1	Bussbar	
28	4460234	6	Mount, Tie-Strap	
29	4460428	2	Connector, Strain Relief	
30	4460470	1	Nut	
31	4460471	1	Washer	
33	4460496	1	Washer	
34	4460497	1	Nut	
38	4751000	2	Washer #10	
39	4751400	8	Washer 1/4	
41	4922666	1	Harness, Analyzer Cable (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	
43	1001184618	1	Decal - Stop	
44	1001141138	1	Module, Platform (Note: Re-calibration Required when Replaced)	
46	1001155044	6	Nut 15/32	
47	1001155045	4	Switch, Toggle	
48	1001159256	1	Switch, Toggle	
49	1001161709	1	Switch, Toggle	
50	1001166539	NLA	Controller Lift/Swing (Use p/n 1001129555) (See Separate Breakdown in this Section)	
51	1001172760	4	Bracket	
52	1001185281	1	Plug	
54	1001213882	1	Mount	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
56	1001244181	1	Harness, Console Box (See Separate Breakdown in ELECTRICAL Section)	
57	1001166538	NLA	Controller Drive/Steer (Use p/n 1001212415) (See Separate Breakdown in this Section)	
58	1001215228	1	Console Box Assembly	
58A	0630568	1	Capscrew 3/8 x 4-1/2	
58B	3311601	1	Nut 3/8	
58C	3430616	2	Pin	
58D	3470003	2	Hairpin	
58E	4711600	2	Washer 3/8	
59	1001206532	1	Lamp, LED Indicator Yellow	

FIGURE 5-26. FOOTSWITCH ASSEMBLY

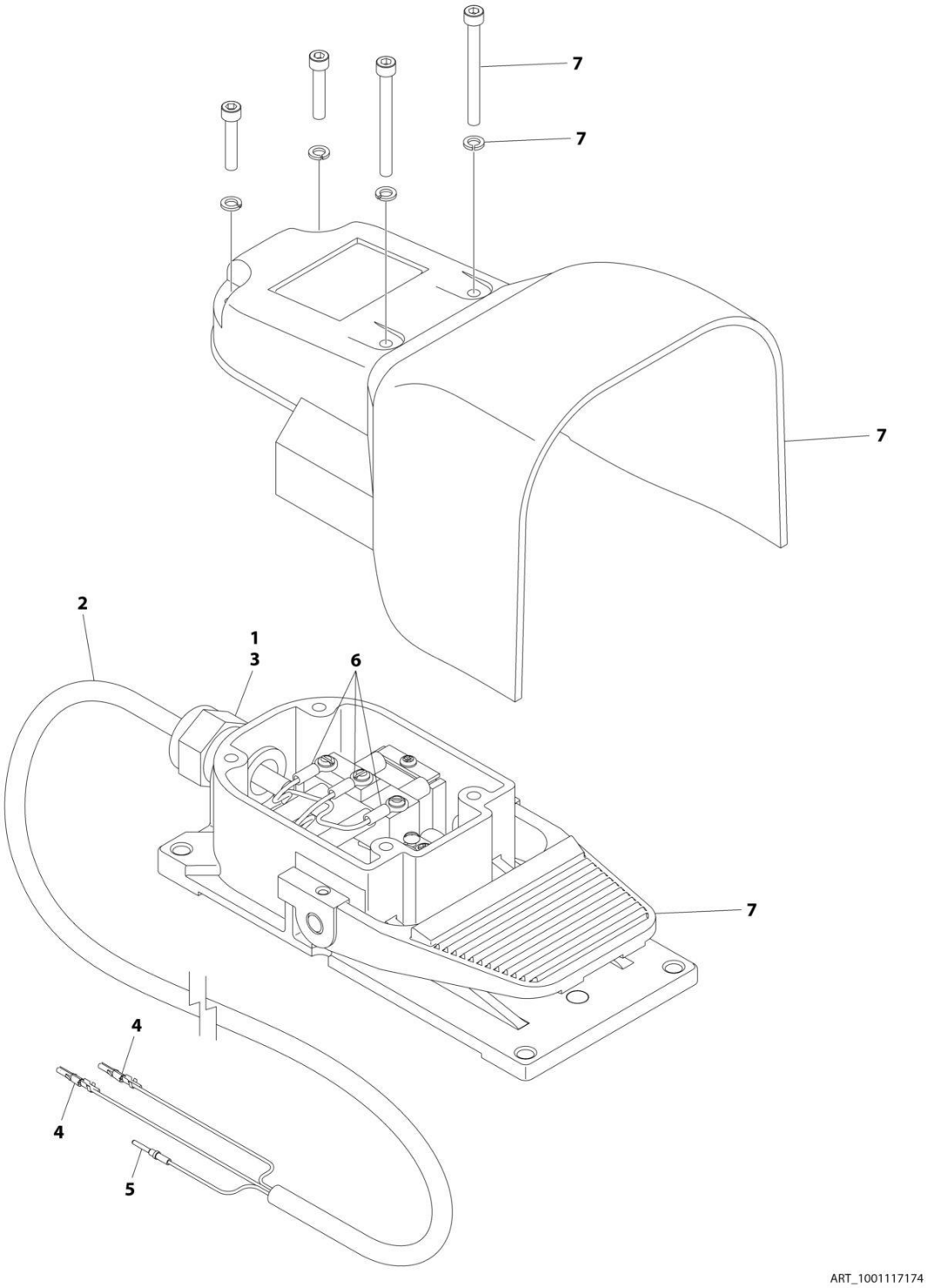


FIGURE 5-26. FOOTSWITCH ASSEMBLY

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 5-27. CONTROLLER ASSEMBLY - LIFT/SWING

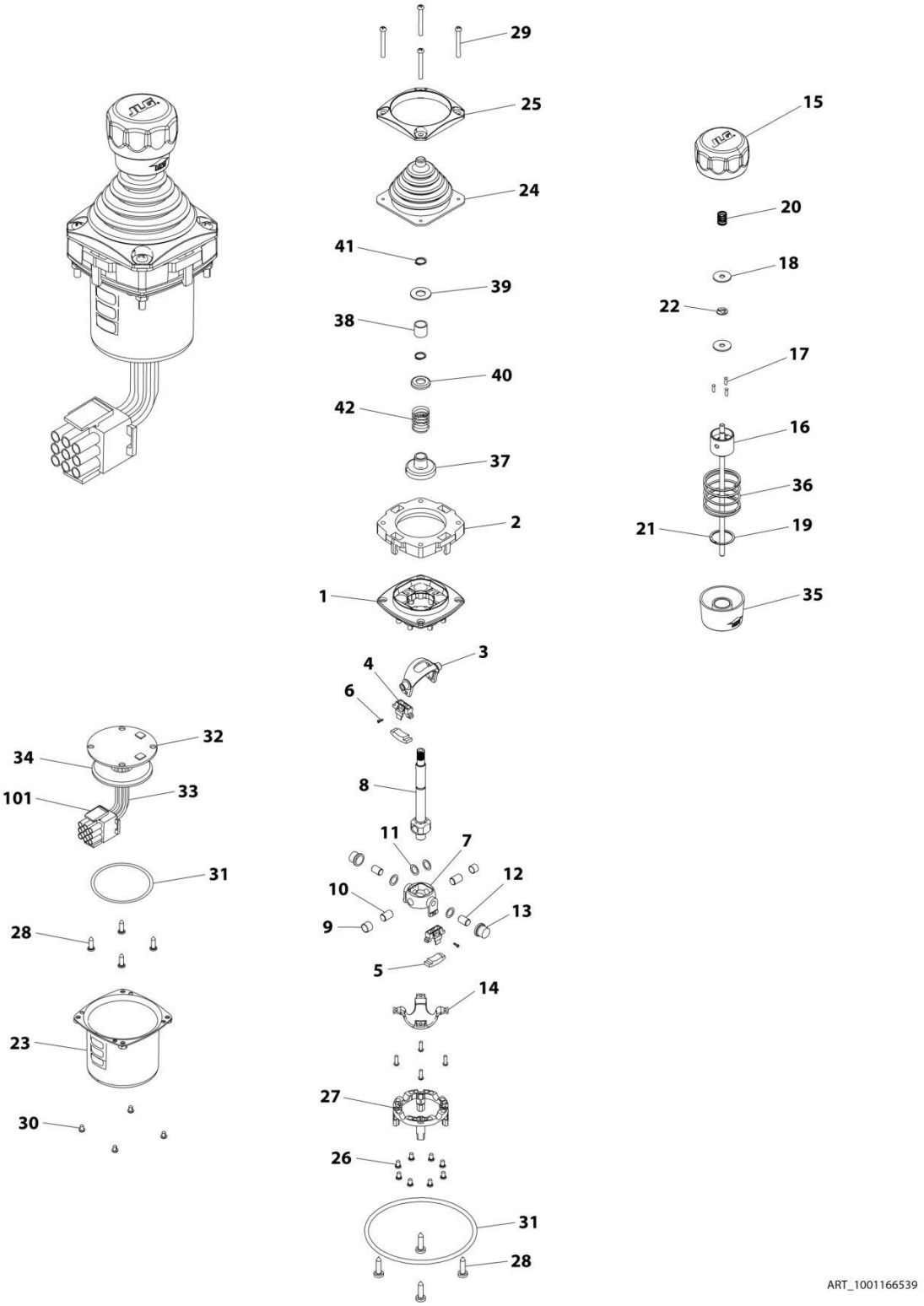


FIGURE 5-27. CONTROLLER ASSEMBLY - LIFT/SWING

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 5-28. CONTROLLER ASSEMBLY- DRIVE/STEER

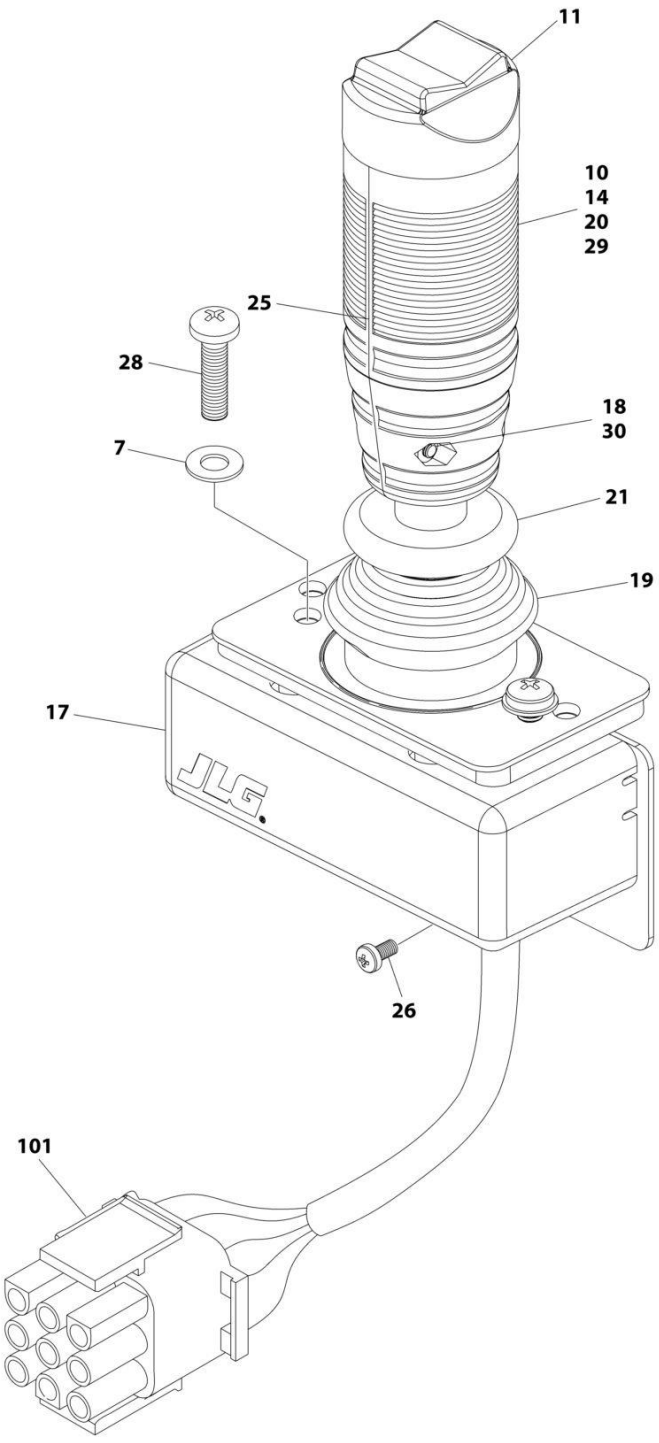


FIGURE 5-28. CONTROLLER ASSEMBLY- DRIVE/STEER

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 5-29. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH 03) (CE & UK CA SPEC MACHINES WITH SN STARTING WITH B3)

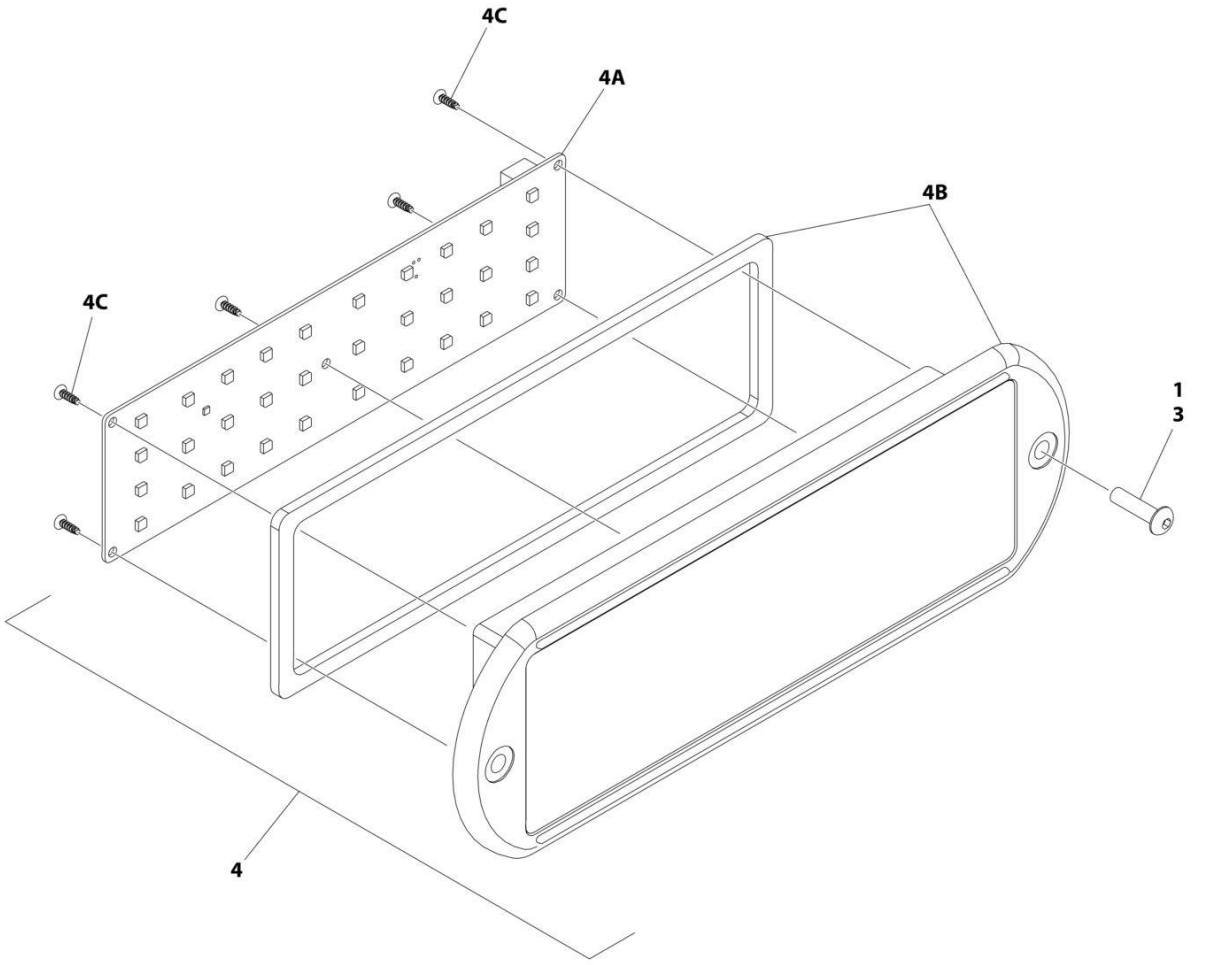


FIGURE 5-29. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH 03) (CE & UK CA SPEC MACHINES WITH SN STARTING WITH B3)

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 5-30. LIGHT PANEL INSTALLATION (ALL SPEC EXCEPT CE & UK CA SPEC MACHINES WITH SN STARTING WITH B3)

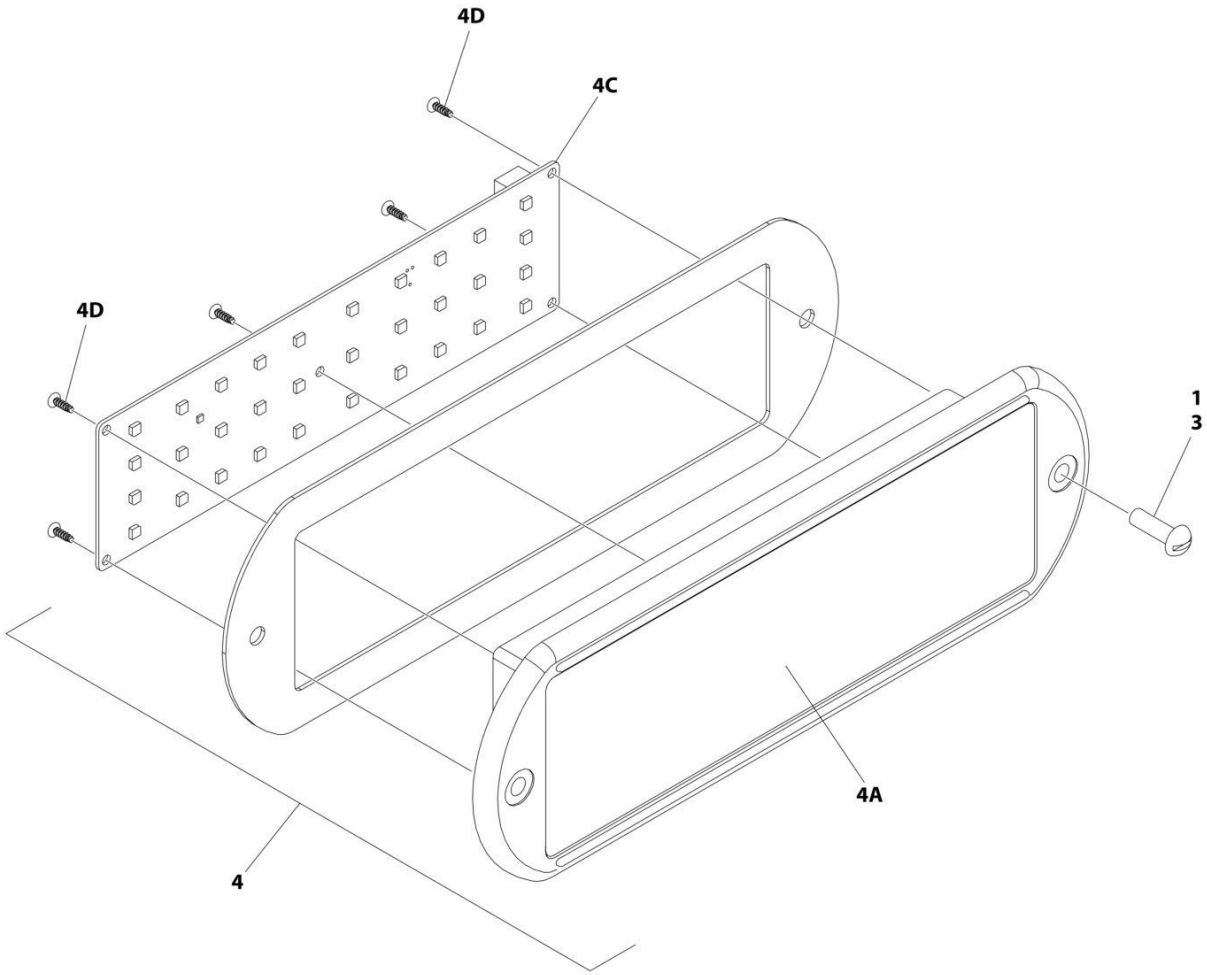


FIGURE 5-30. LIGHT PANEL INSTALLATION (ALL SPEC EXCEPT CE & UK CA SPEC MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241398	Ref	LIGHT PANEL INSTALLATION - PLATFORM CONSOLE	B
1	0100035	AR	Compound, Locking	
3	3911010	2	Screw #10 x 5/8	
4	1001238671	1	Light Panel Assembly	
4A	1001236087	1	Lens, I-Con	
4C	1001238732	1	Panel, LED Light	
4D		Ref	Screw	

FIGURE 5-31. JIB SWITCH INSTALLATION (860SJ HC3)

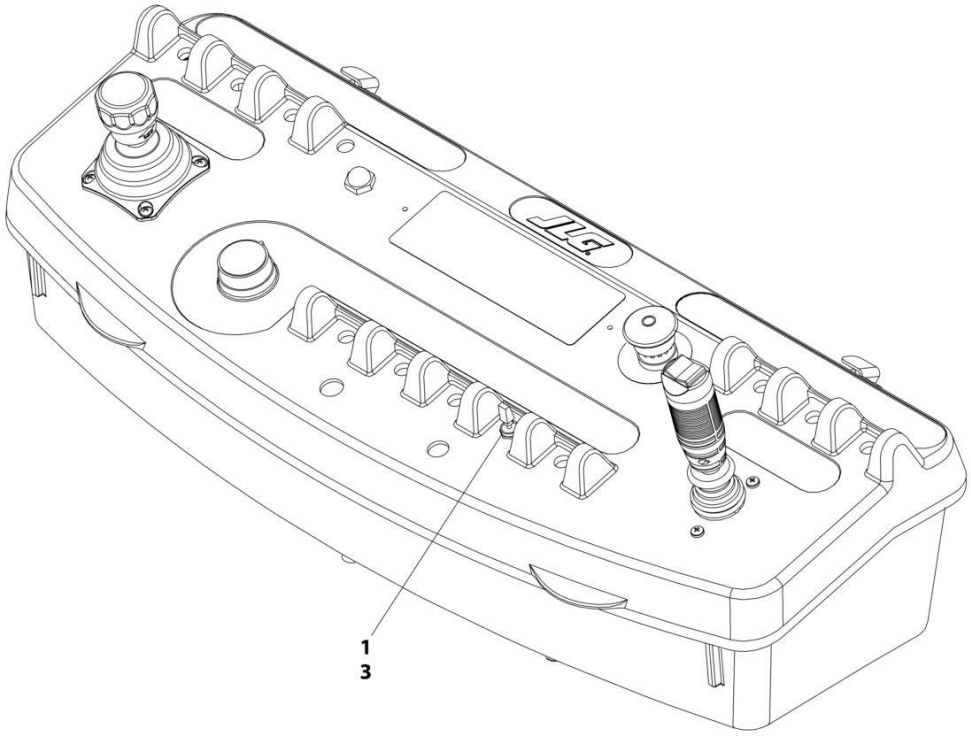


FIGURE 5-31. JIB SWITCH INSTALLATION (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0258608	Ref	JIB SWITCH INSTALLATION	C
1	4360328	1	Switch, Toggle	
3	3790012	1	O-Ring	

FIGURE 5-32. SKYEYE INSTALLATION

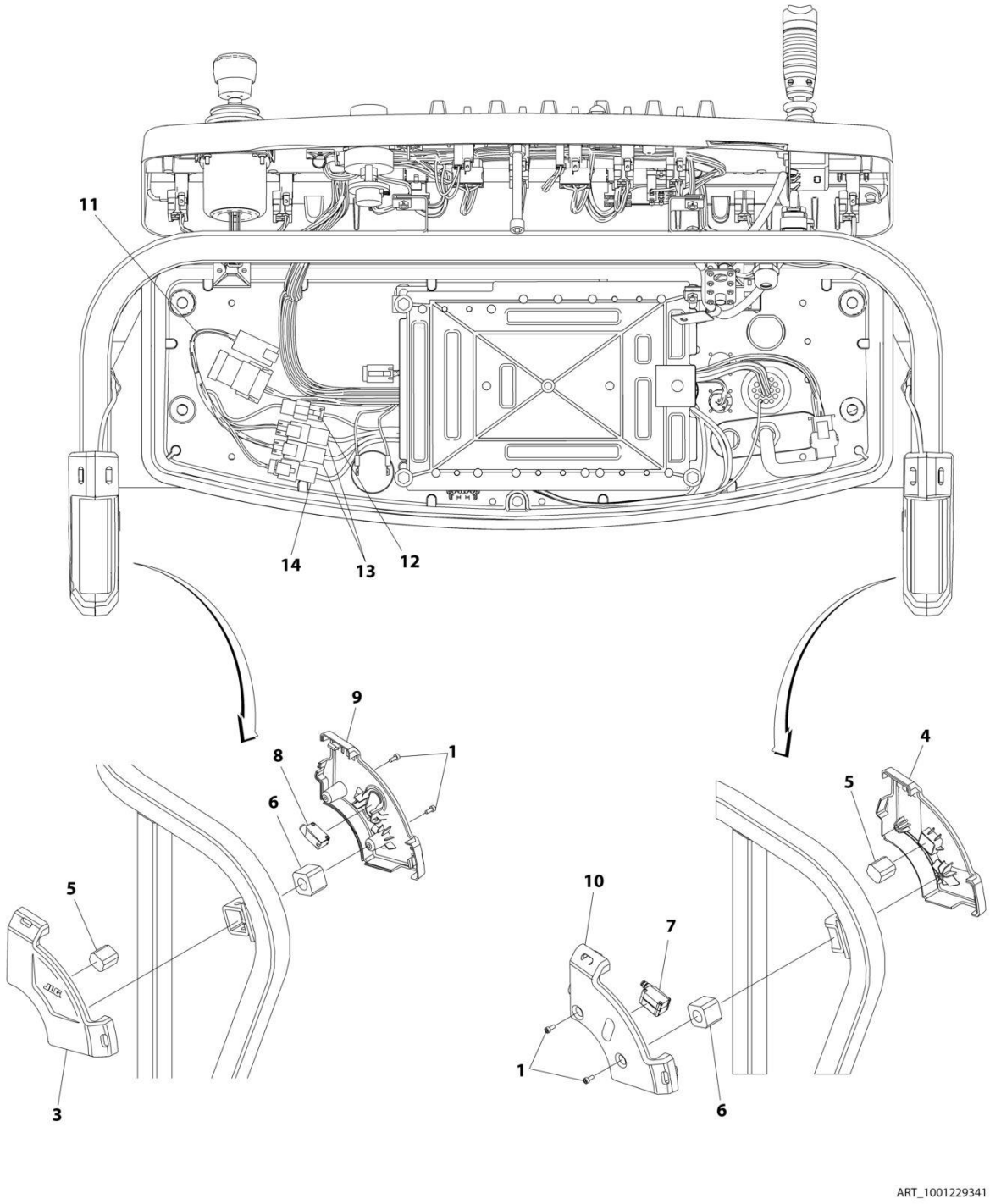


FIGURE 5-32. SKYEYE INSTALLATION

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 5-33. SKYGUARD BAR INSTALLATION

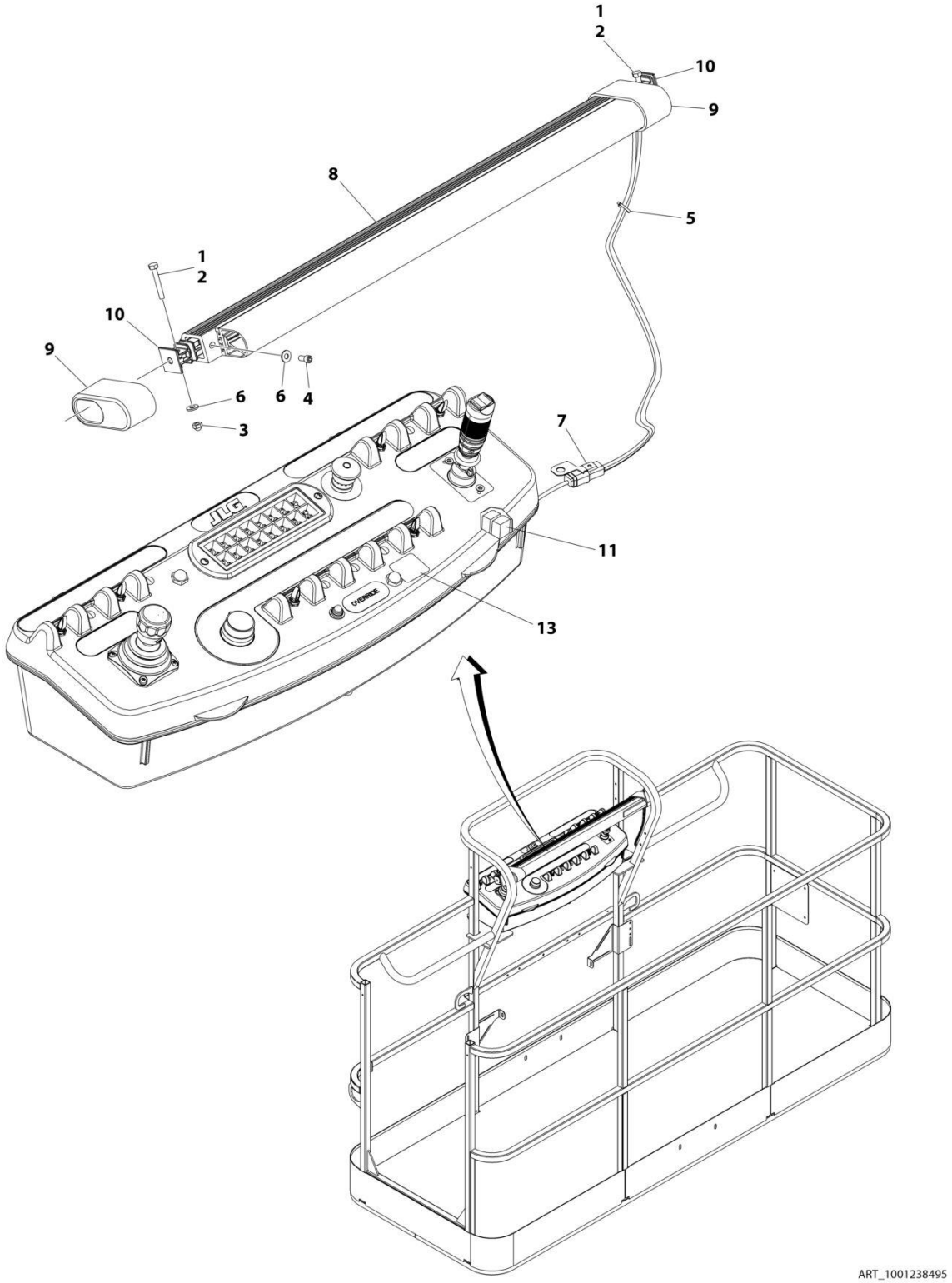


FIGURE 5-33. SKYGUARD BAR INSTALLATION

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 5-34. SKYLINE INSTALLATION

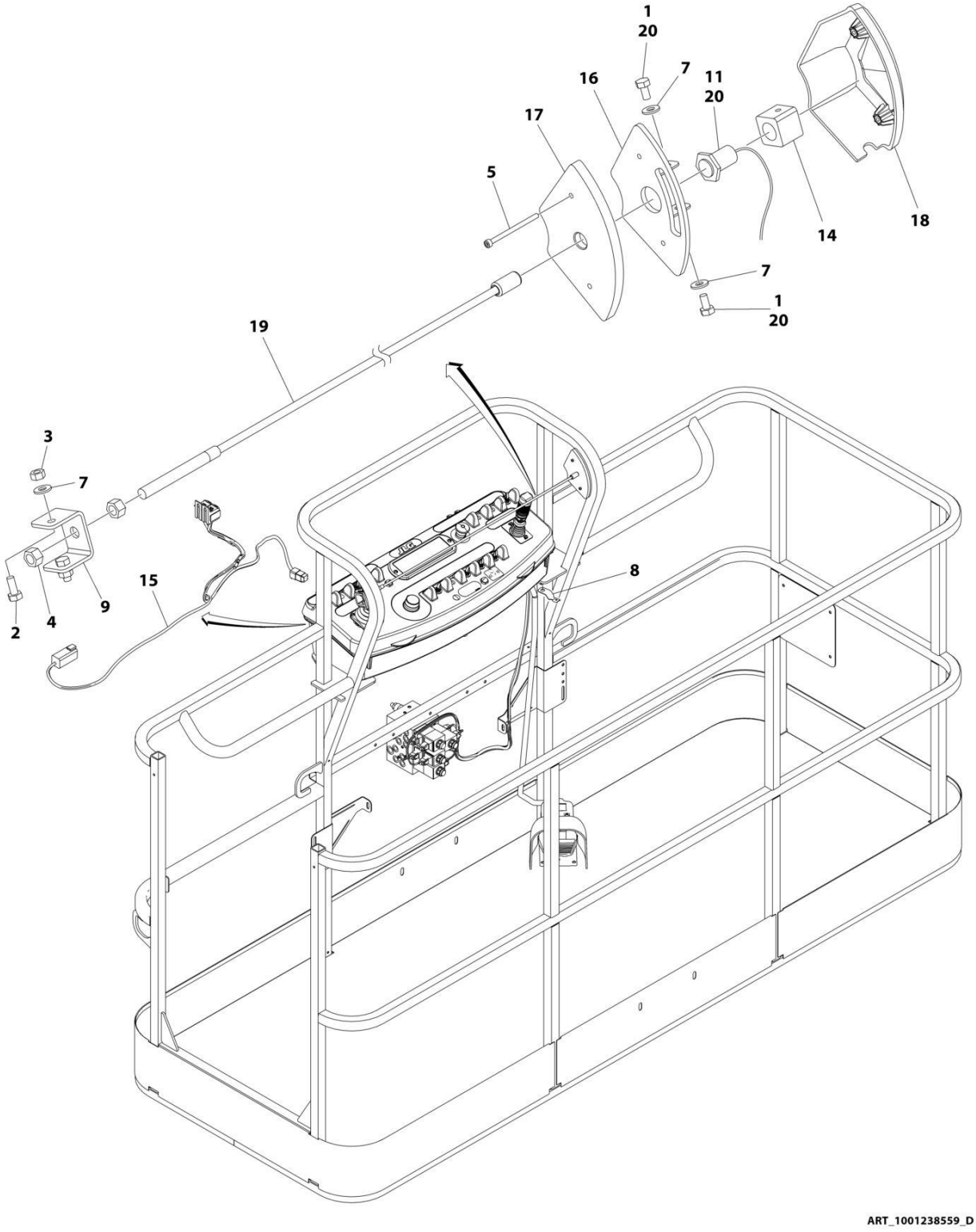


FIGURE 5-34. SKYLINE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238559	Ref	SKYLINE INSTALLATION	D
1	0641404	2	Bolt 1/4 x 1/2	
2	0641405	2	Bolt 1/4 x 5/8	
3	3311405	2	Nut 1/4	
4	3311601	2	Nut 3/8	
5	4031516	2	Capscrew M4 x 60	
6	4240033	AR	Tie-Strap (Not Shown)	
7	4711400	4	Washer 1/4	
8	1001120328	1	Mount	
9	1001232642	1	Bracket	
11	1001232667	1	Sensor, Proximity	
11	1001311034	1	Sensor, Proximity	
14	1001236552	1	Block	
15	1001238418	1	Harness, Skyline (See Separate Breakdown in ELECTRICAL Section)	
16	1001238472	1	Mount	
17	1001254473	1	Housing, LH	
18	1001241965	1	Housing, RH	
19	1001254472	1	Rod	
20	0100011	AR	Compound, Locking	

FIGURE 5-35. STORAGE TRAY INSTALLATION - CENTER

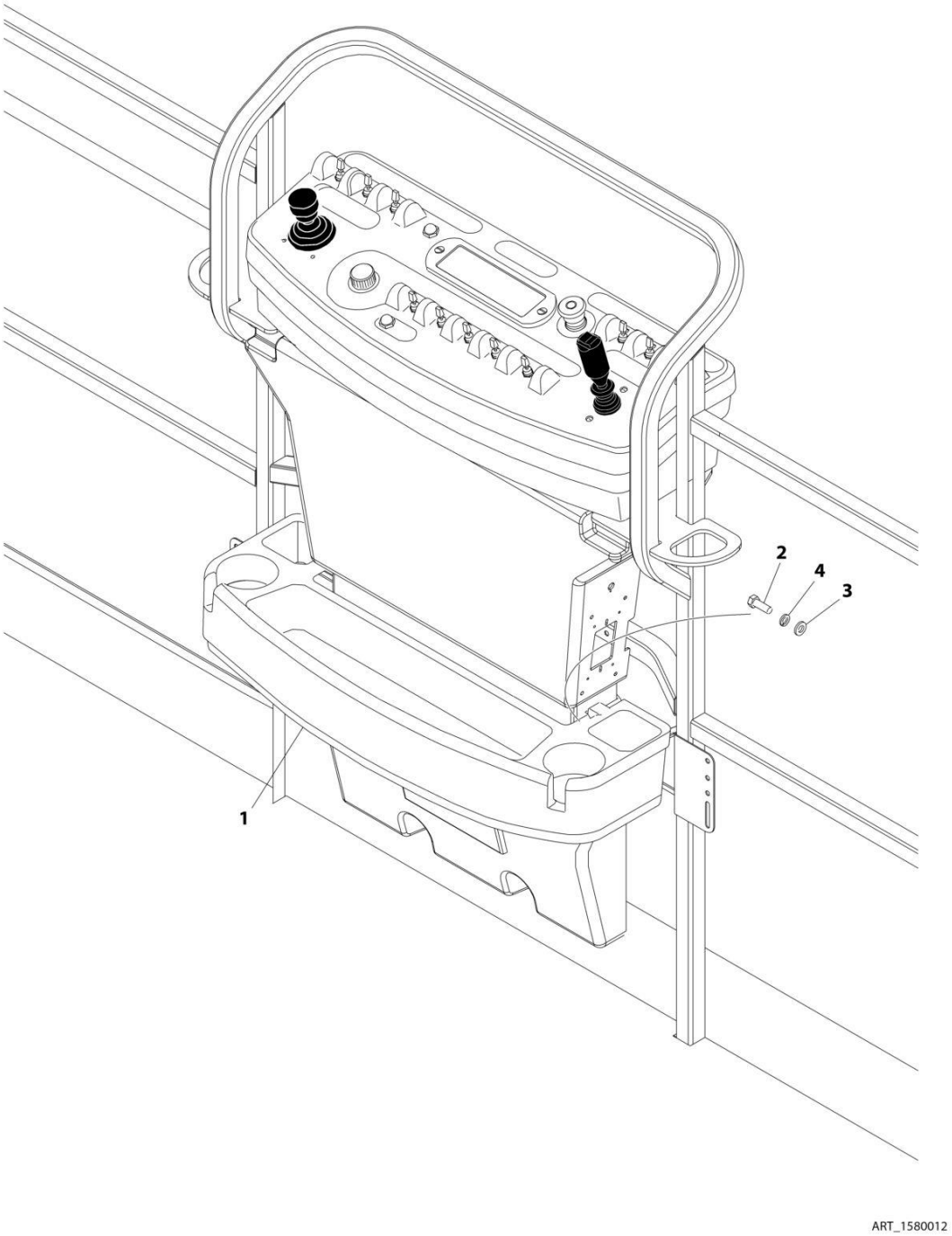


FIGURE 5-35. STORAGE TRAY INSTALLATION - CENTER

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

FIGURE 5-36. SKYCUTTER INSTALLATION

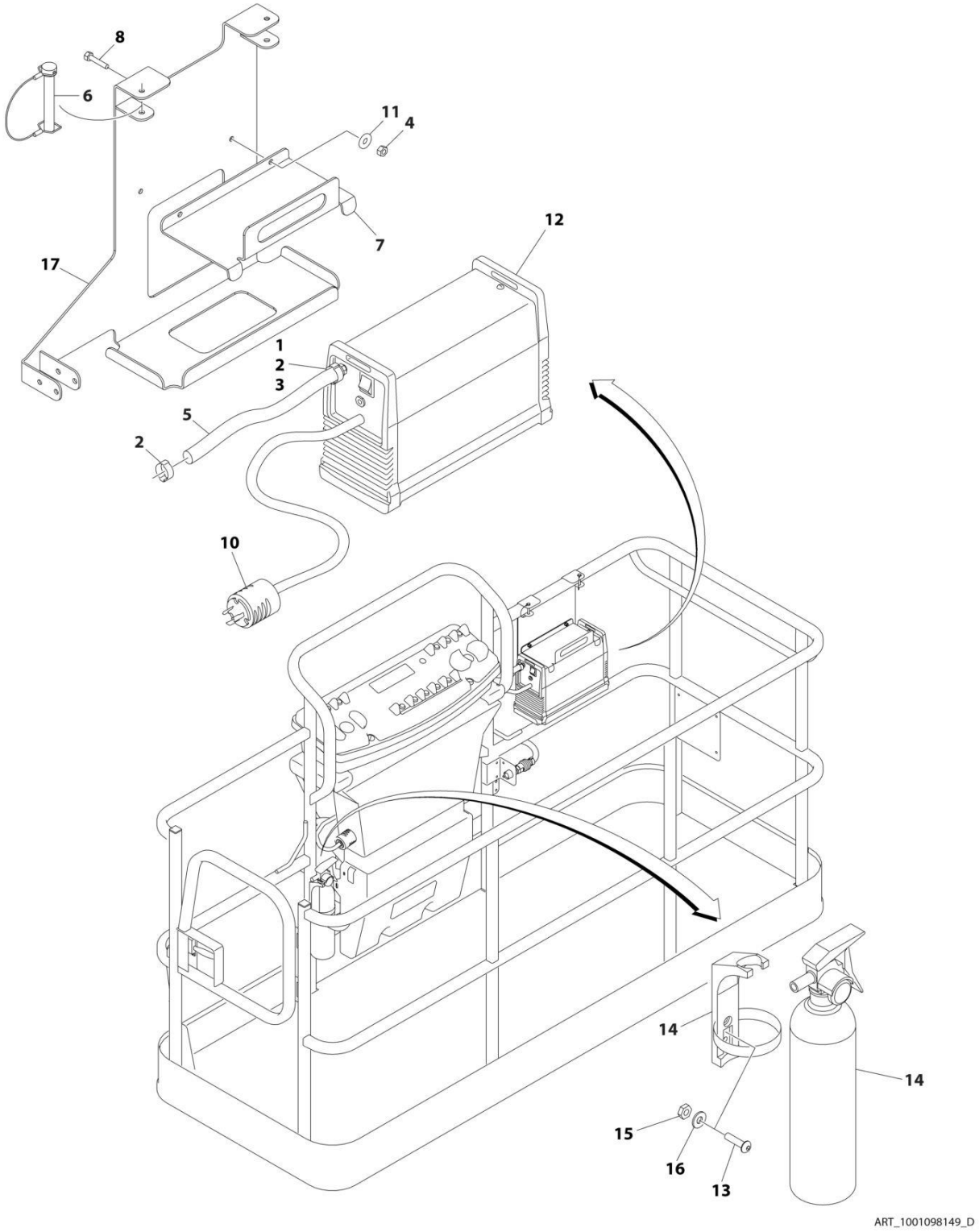


FIGURE 5-36. SKYCUTTER INSTALLATION

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 5-37. SKYGLAZIER INSTALLATION (UNIVERSAL LANGUAGE) (ANSI, ANSI EXPORT, CSA, AND AUSTRALIAN SPECS)

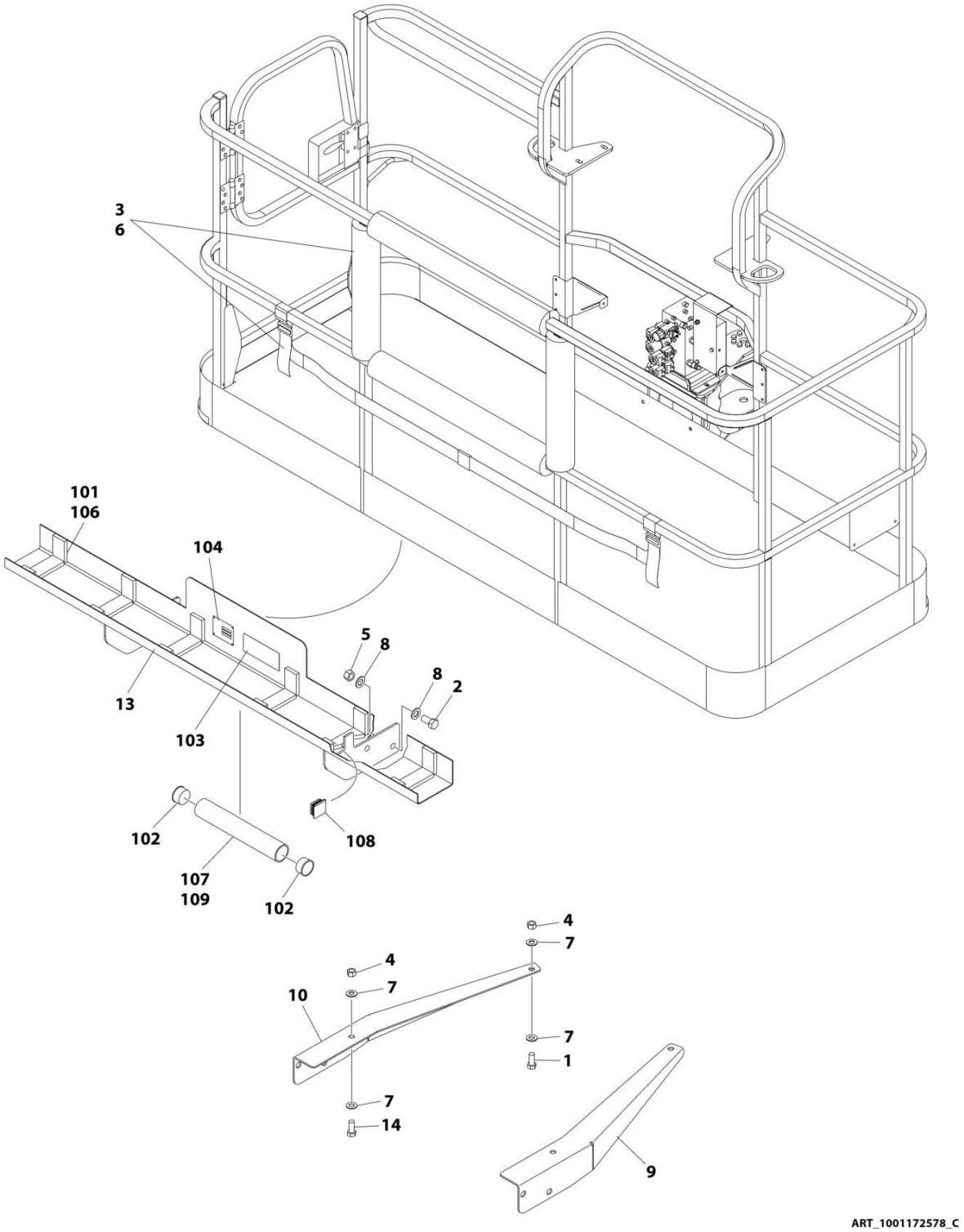
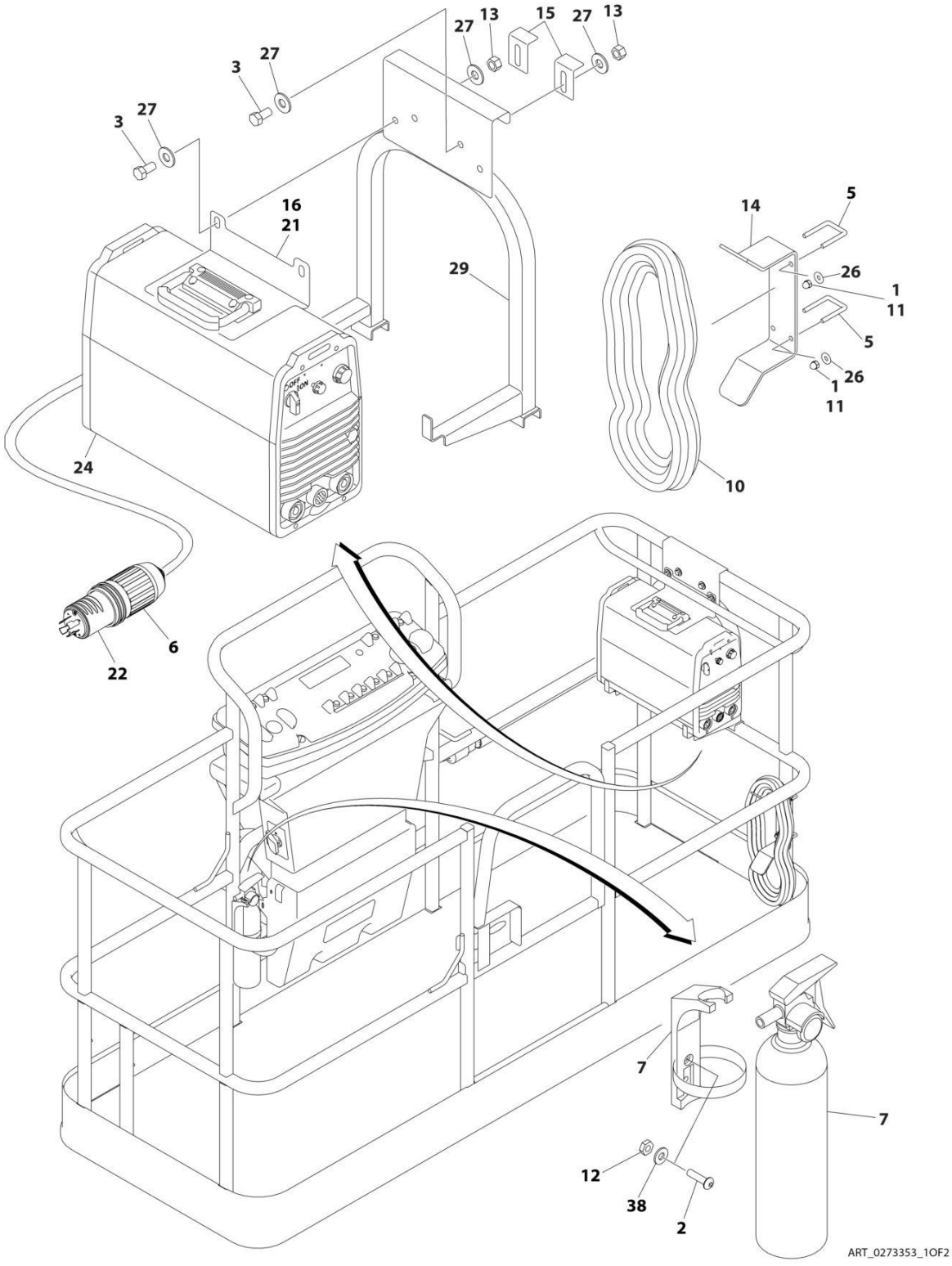


FIGURE 5-37. SKYGLAZIER INSTALLATION (UNIVERSAL LANGUAGE) (ANSI, ANSI EXPORT, CSA, AND AUSTRALIAN SPECS)

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

FIGURE 5-38. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)



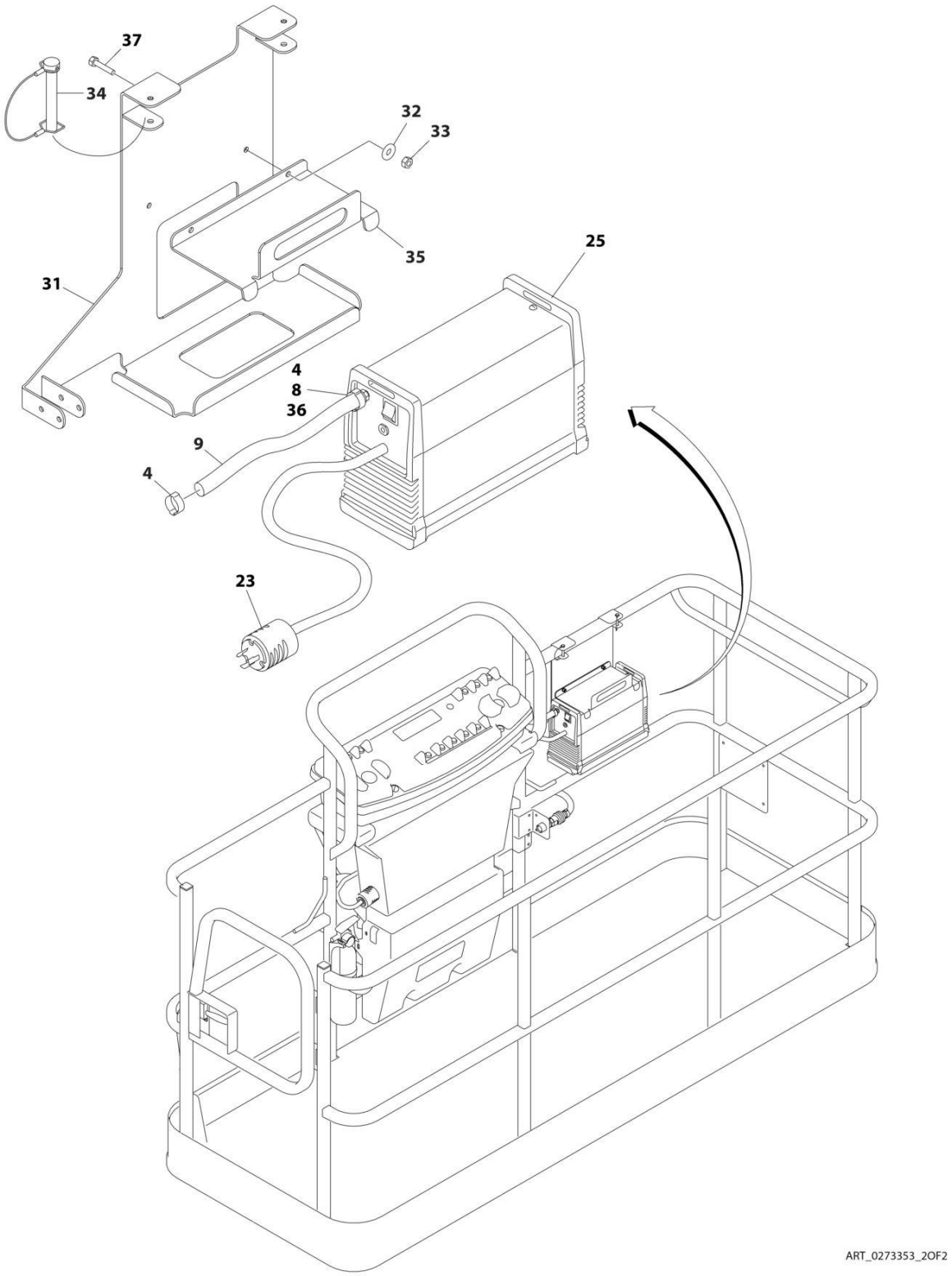

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ART_0273353_2OF2

FIGURE 5-38. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)

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 /1.37m	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	2.36 ft /.71m	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	

FIGURE 5-39. PLASMA CUTTER ASSEMBLY

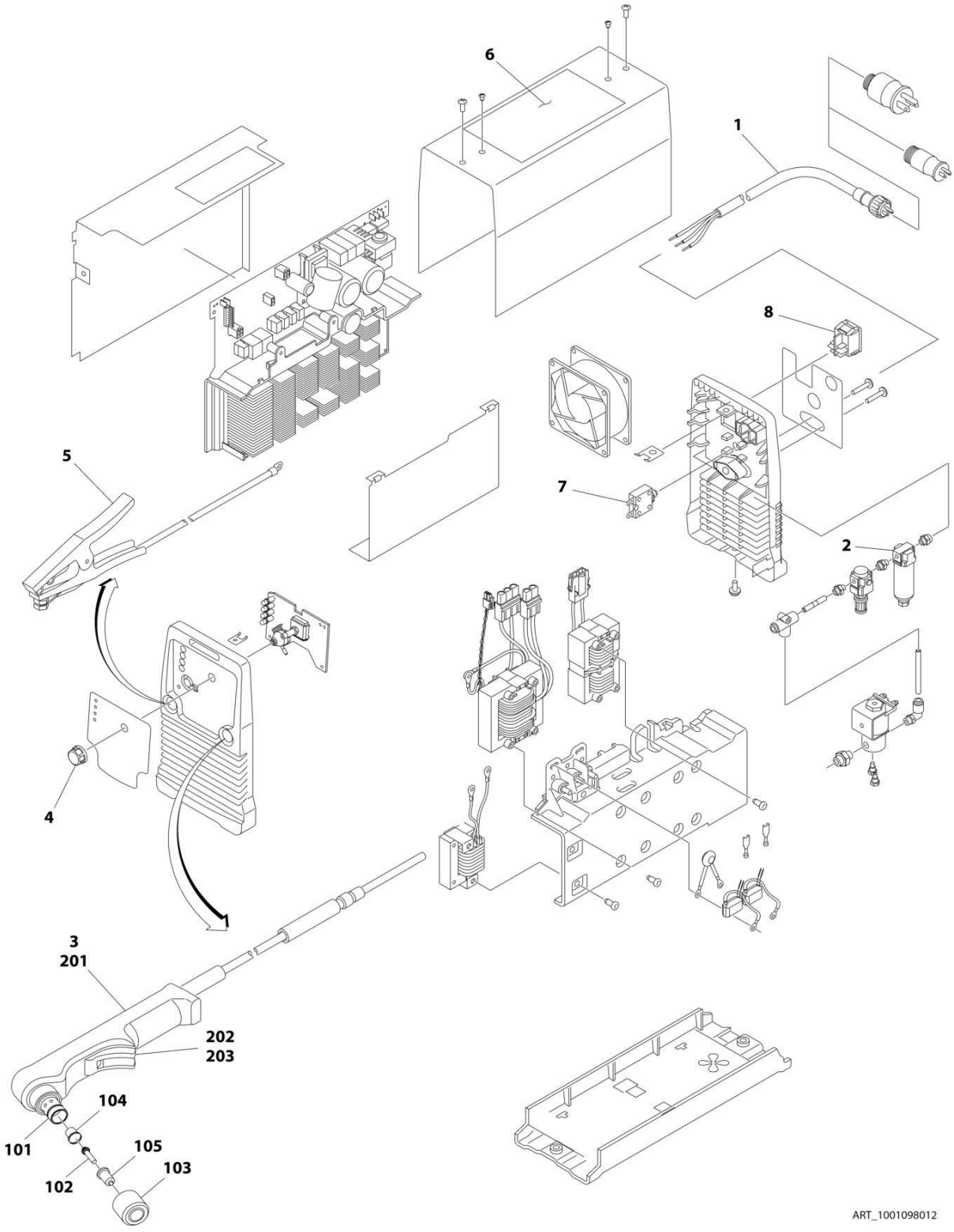


FIGURE 5-39. PLASMA CUTTER ASSEMBLY

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 5-40. SKYWELDER INSTALLATION (50HZ)

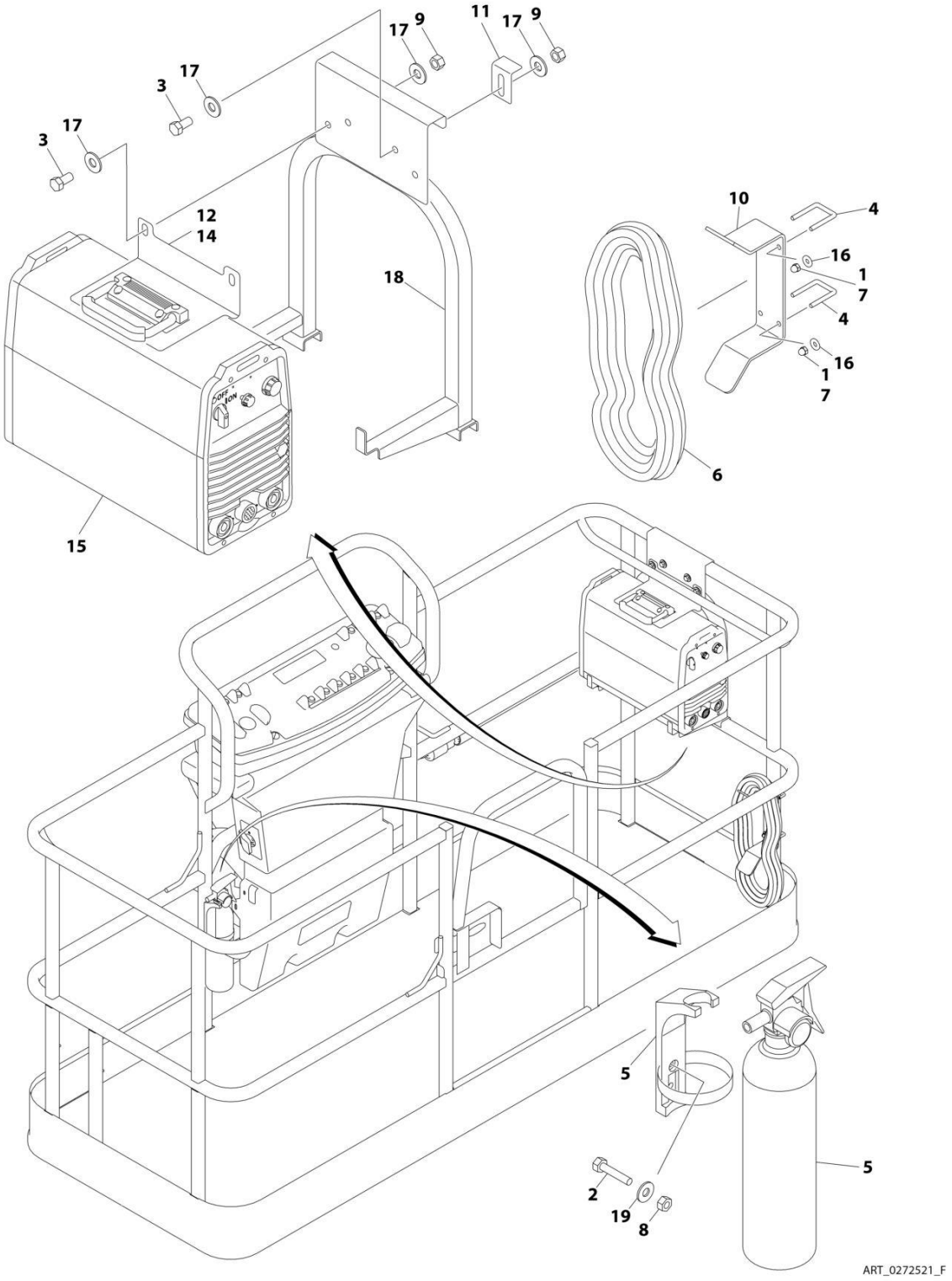


FIGURE 5-40. SKYWELDER INSTALLATION (50HZ)

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

FIGURE 5-41. SKYWELDER INSTALLATION (60HZ)

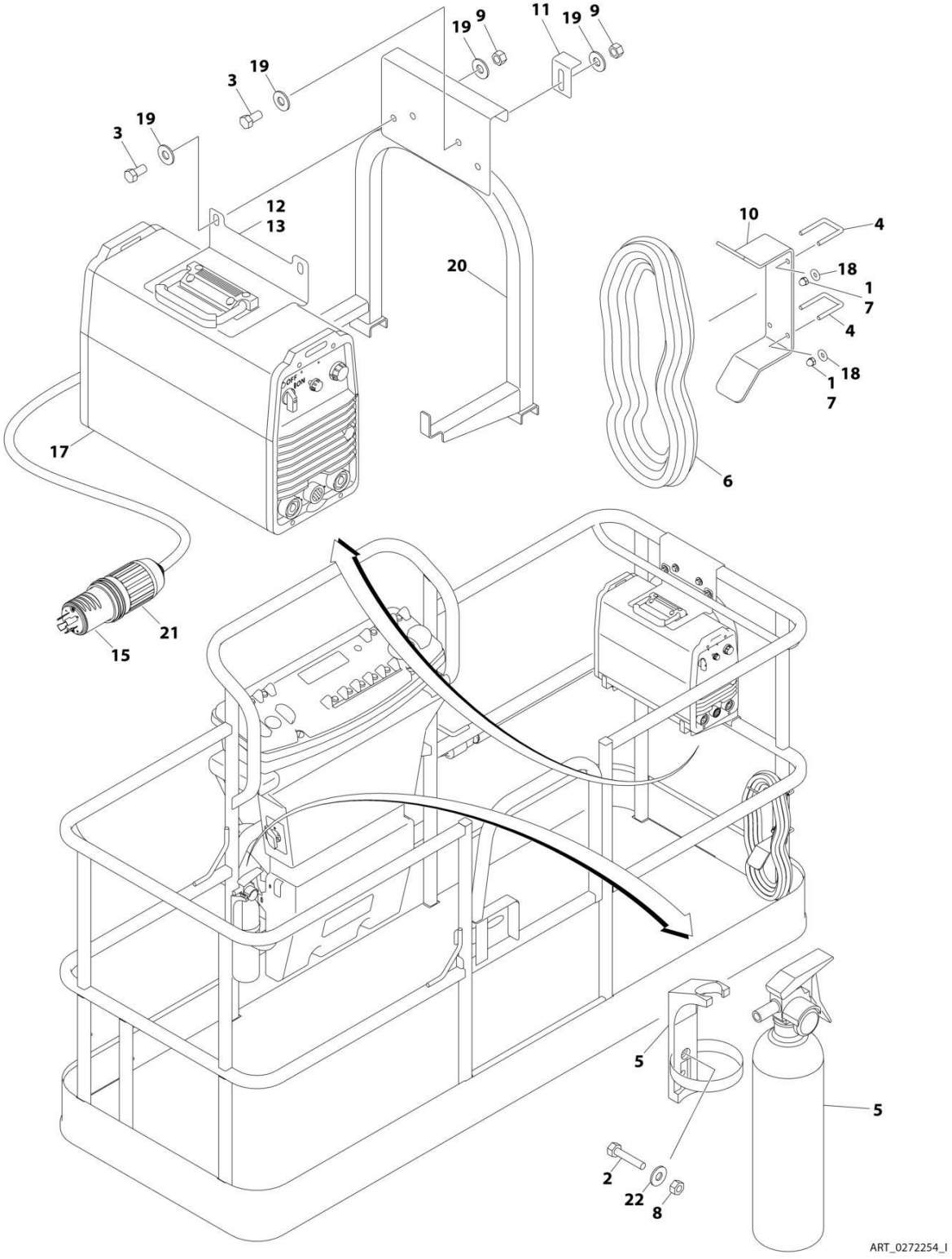


FIGURE 5-41. SKYWELDER INSTALLATION (60HZ)

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

FIGURE 5-42. WELDER ASSEMBLY

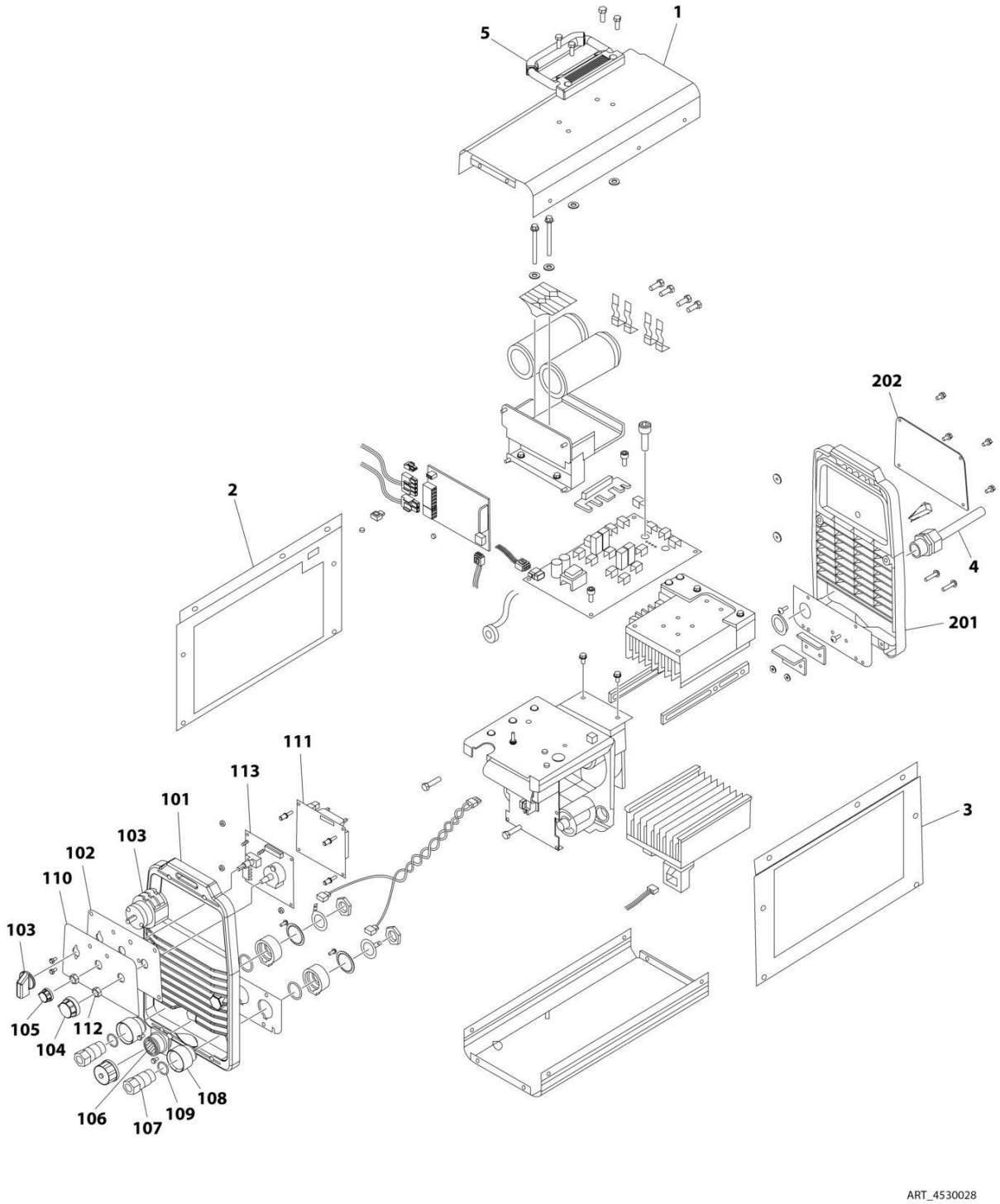


FIGURE 5-42. WELDER ASSEMBLY

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 5-43. SKYWELDER PREP PACKAGE (60HZ)

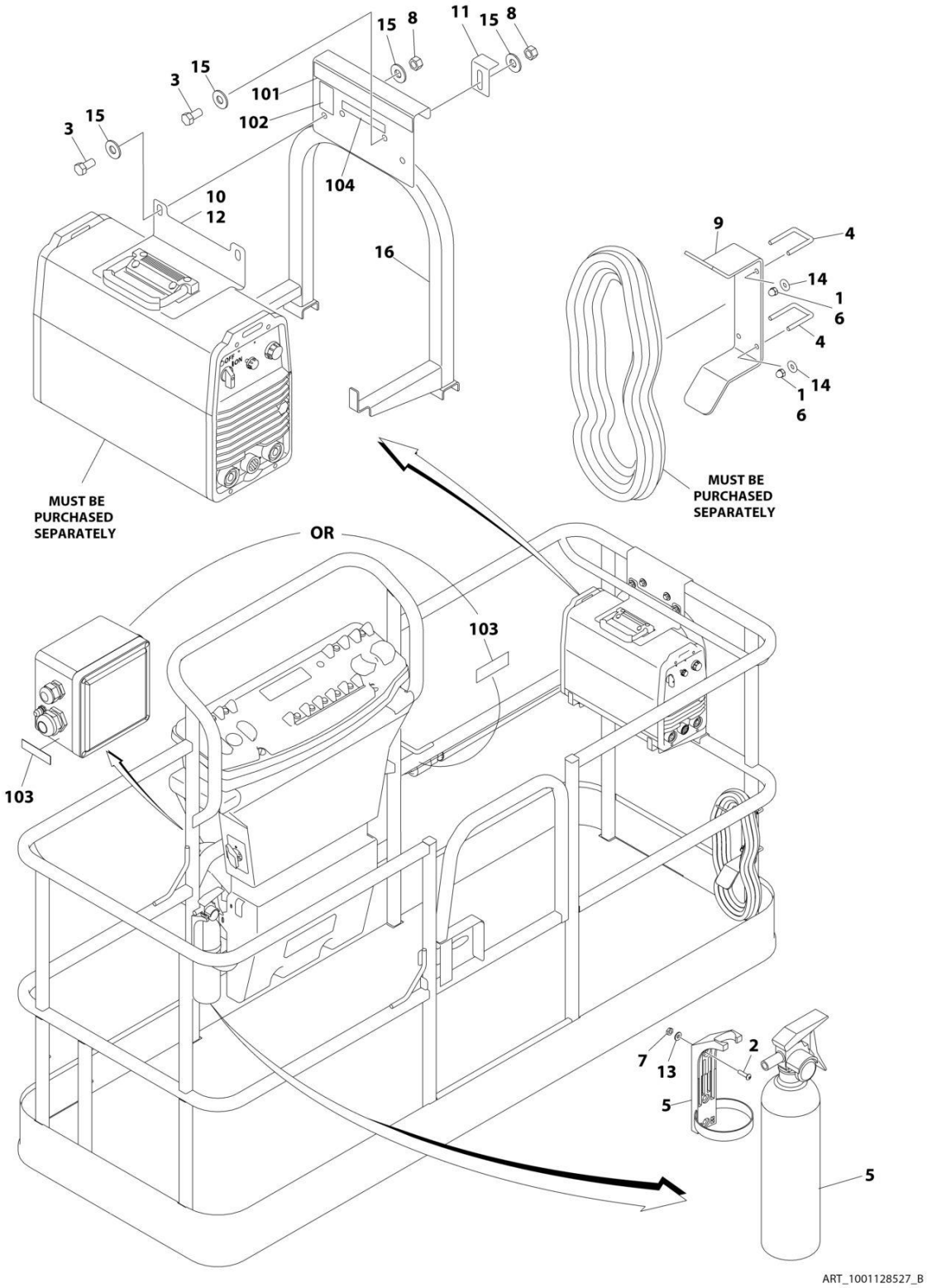


FIGURE 5-43. SKYWELDER PREP PACKAGE (60HZ)

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

FIGURE 5-44. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M PLATFORM

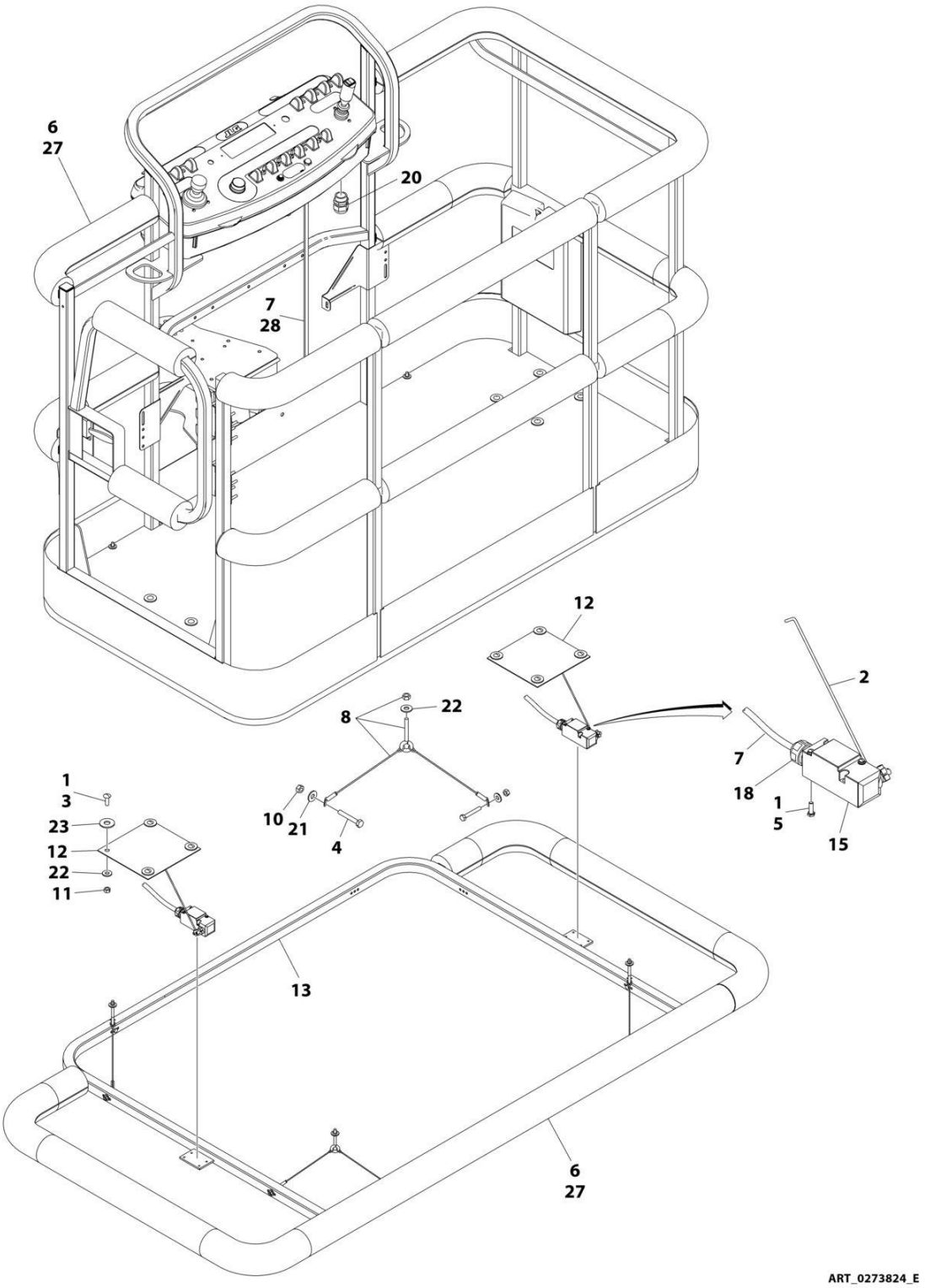


FIGURE 5-44. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273824	Ref	SOFT TOUCH SYSTEM INSTALLATION	E
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	
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	
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	
27	1001197017	AR	Tie-Strap	
28	4460226	4	Socket	

FIGURE 5-45. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M FALL ARREST PLATFORM

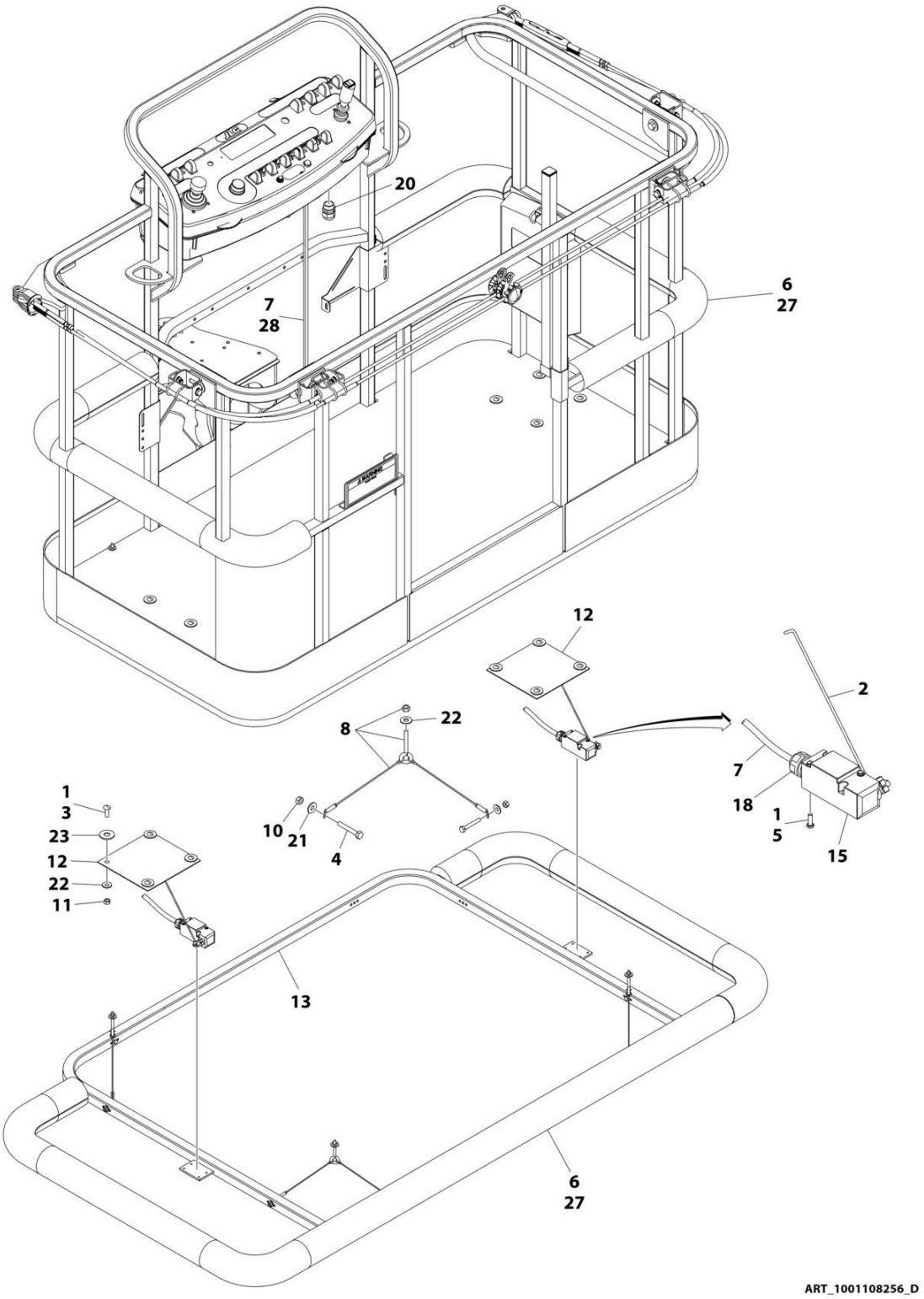


FIGURE 5-45. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M FALL ARREST PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108256	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	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	
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	
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	
27	1001197017	AR	Strap, Cable Tie (Yellow)	
28	4460226	4	Socket	

FIGURE 5-46. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M PLATFORM

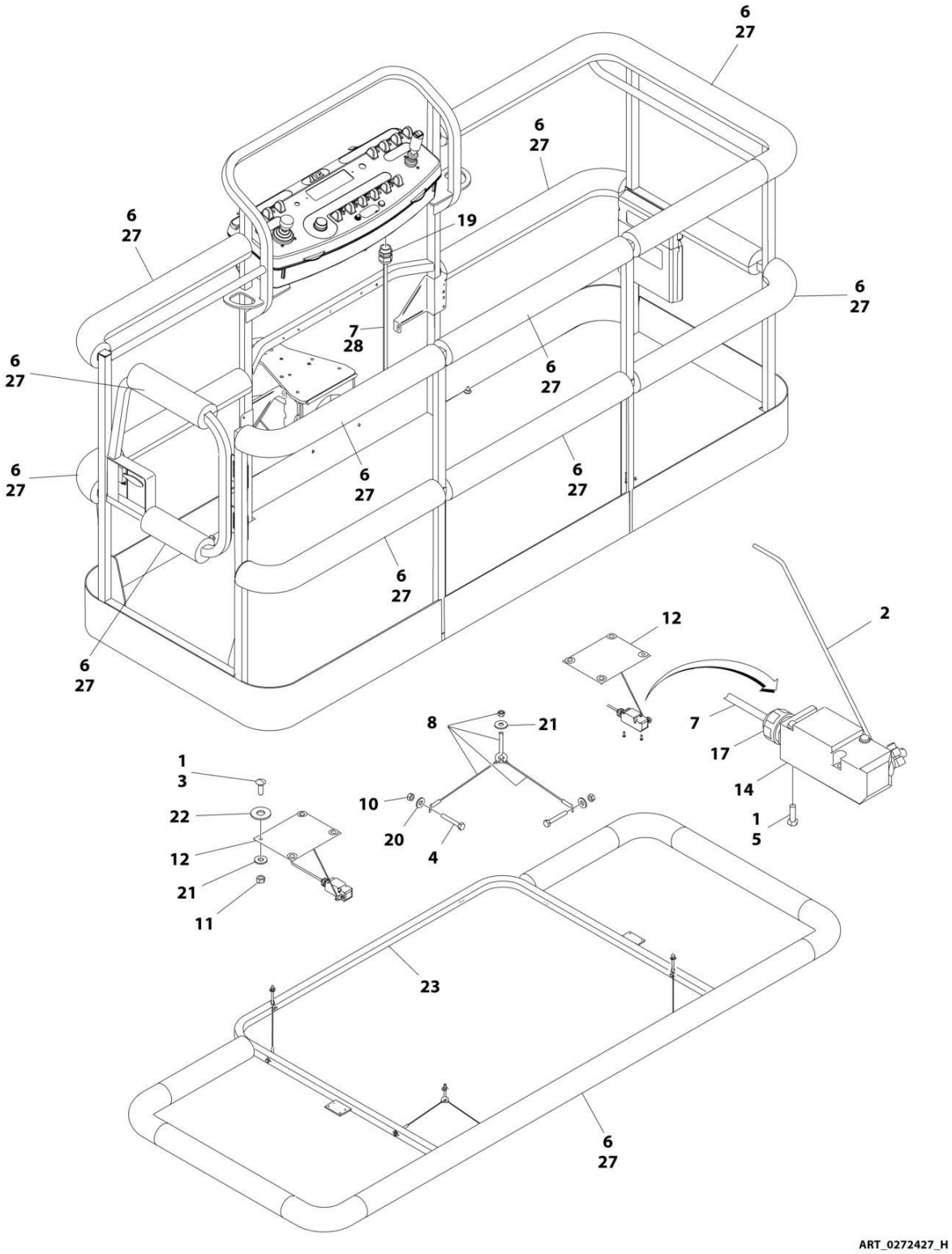


FIGURE 5-46. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272427	Ref	SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM	H
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0721005	4	Bolt #10 x 5/8	
6	0940103	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	12	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
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	
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	
27	1001197017	AR	Tie-Strap	
28	4460226	1	Socket	

FIGURE 5-47. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M FALL ARREST PLATFORM

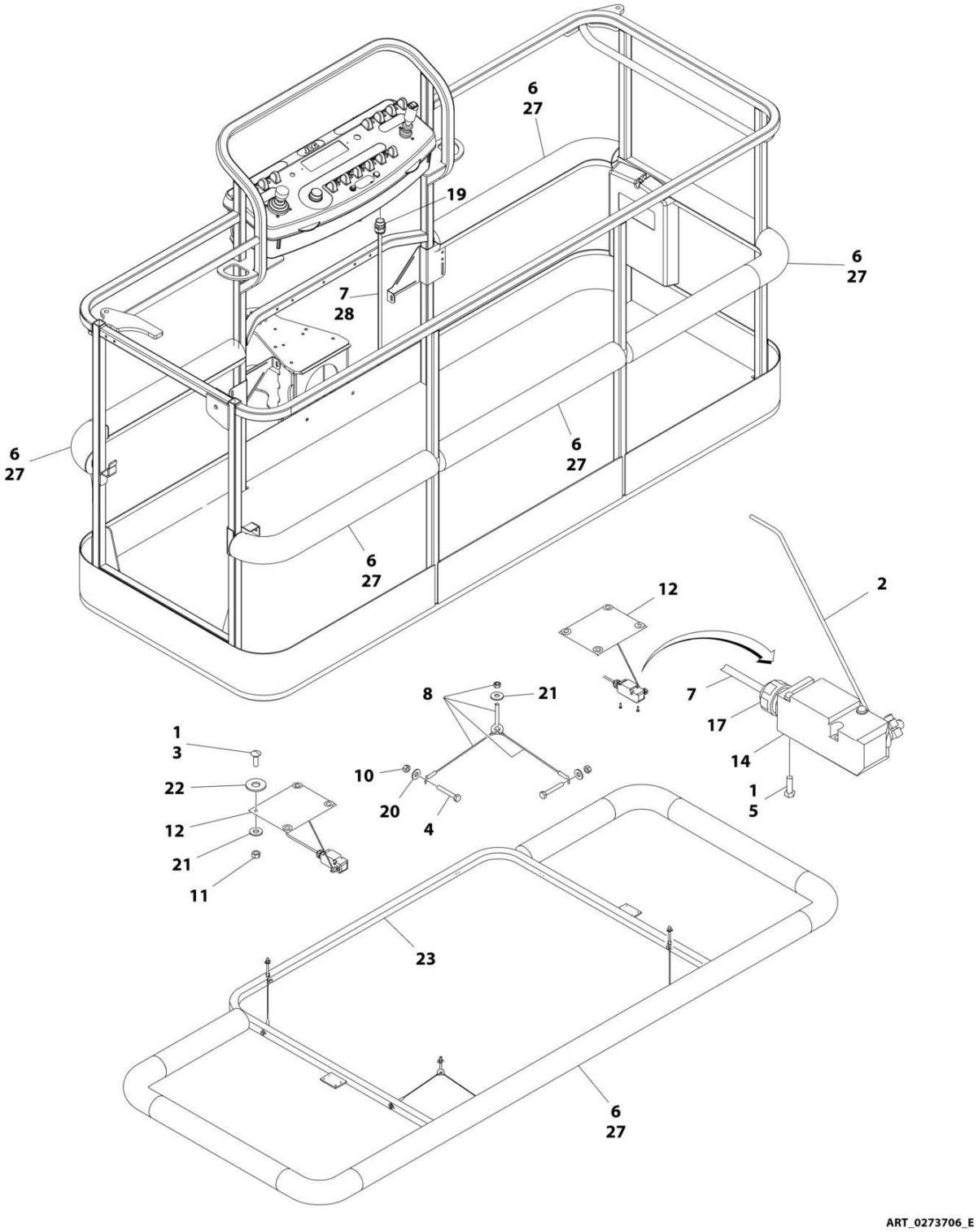


FIGURE 5-47. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M FALL ARREST PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273706	Ref	SOFT TOUCH INSTALLATION	E
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	
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	
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	
27	1001197017	AR	Tie-Strap	
28	4460226	4	Socket	

FIGURE 5-48. FALL ARREST INSTALLATION (BOLT-ON) (4FT/1.22M PLATFORM)

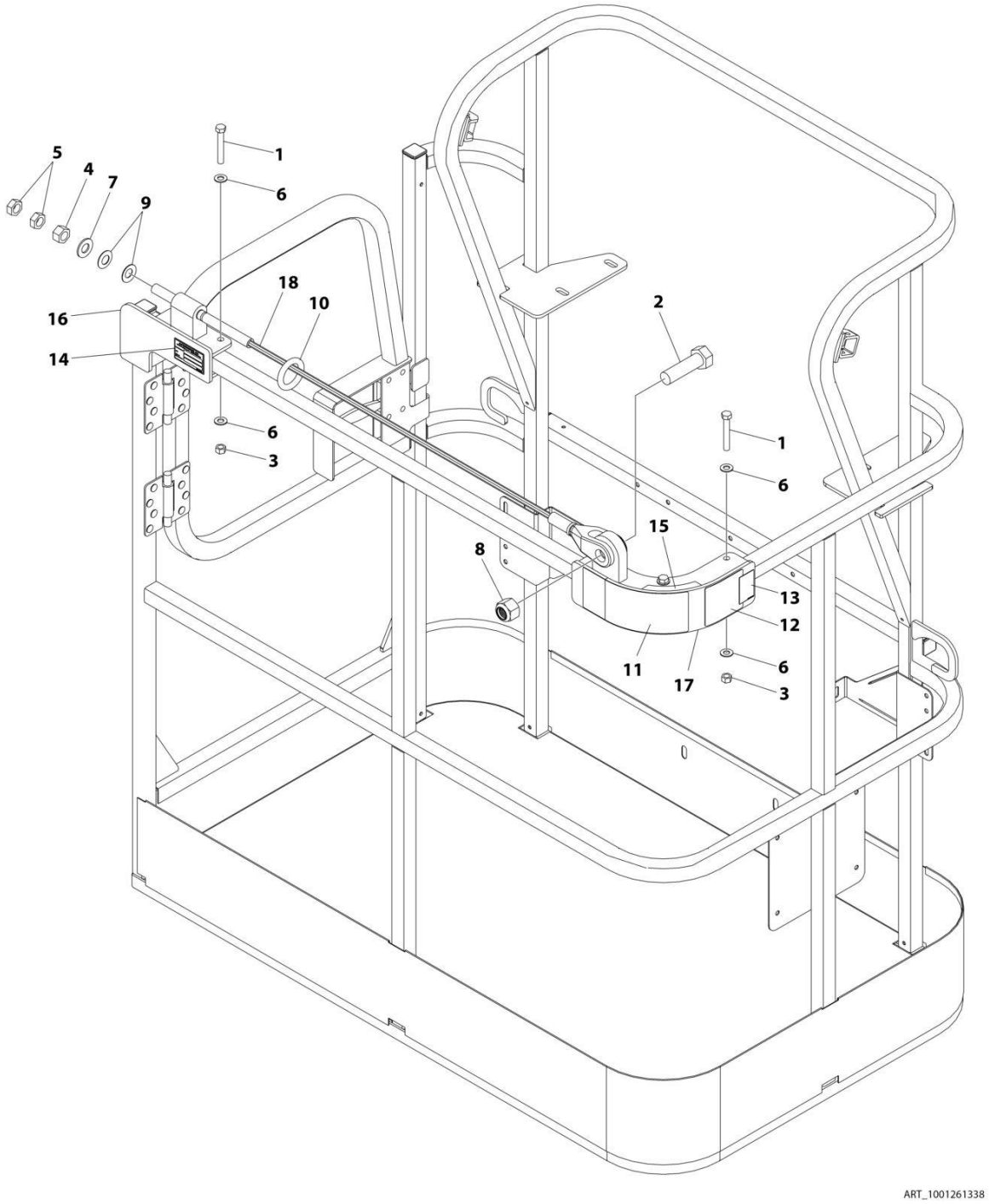


FIGURE 5-48. FALL ARREST INSTALLATION (BOLT-ON) (4FT/1.22M PLATFORM)

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 5-49. FALL ARREST INSTALLATION (BOLT-ON) (6FT/1.82M PLATFORM)

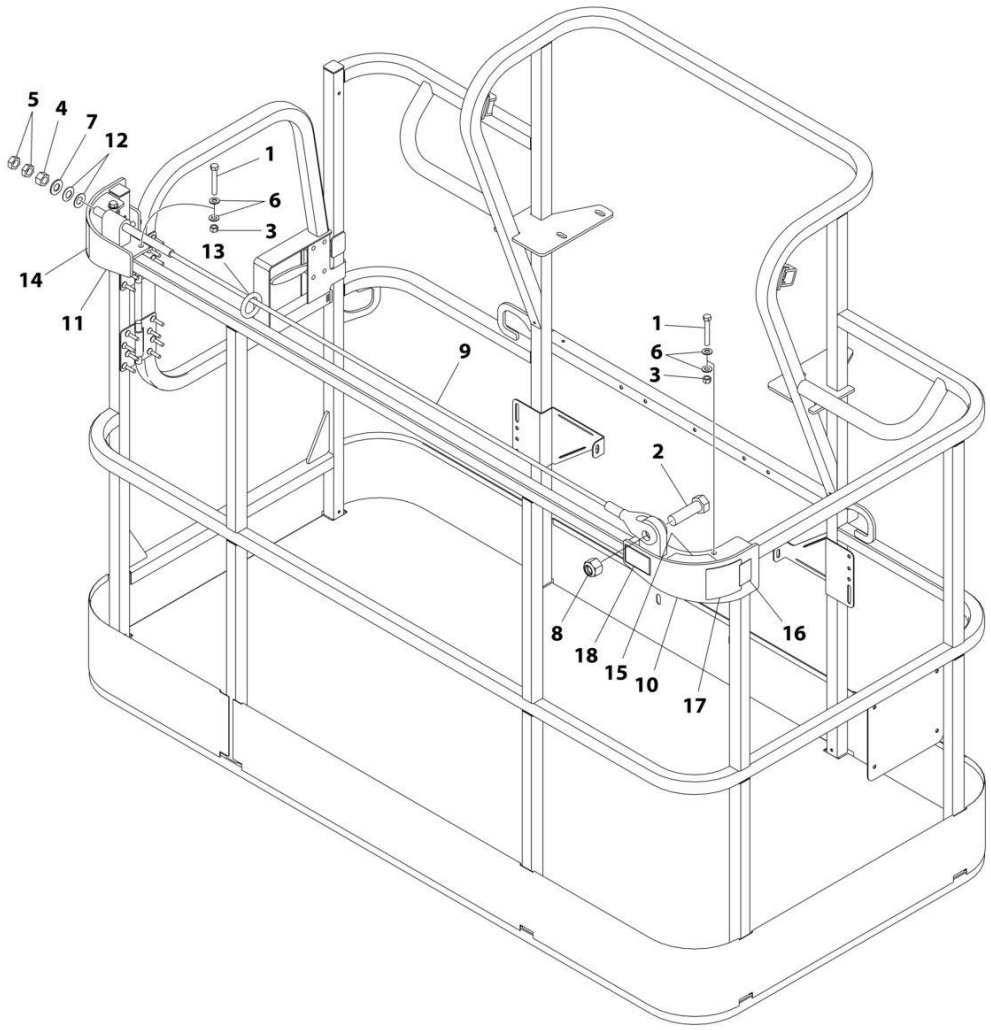


FIGURE 5-49. FALL ARREST INSTALLATION (BOLT-ON) (6FT/1.82M PLATFORM)

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

FIGURE 5-50. FALL ARREST INSTALLATION (BOLT-ON) (8FT/2.4M PLATFORM)

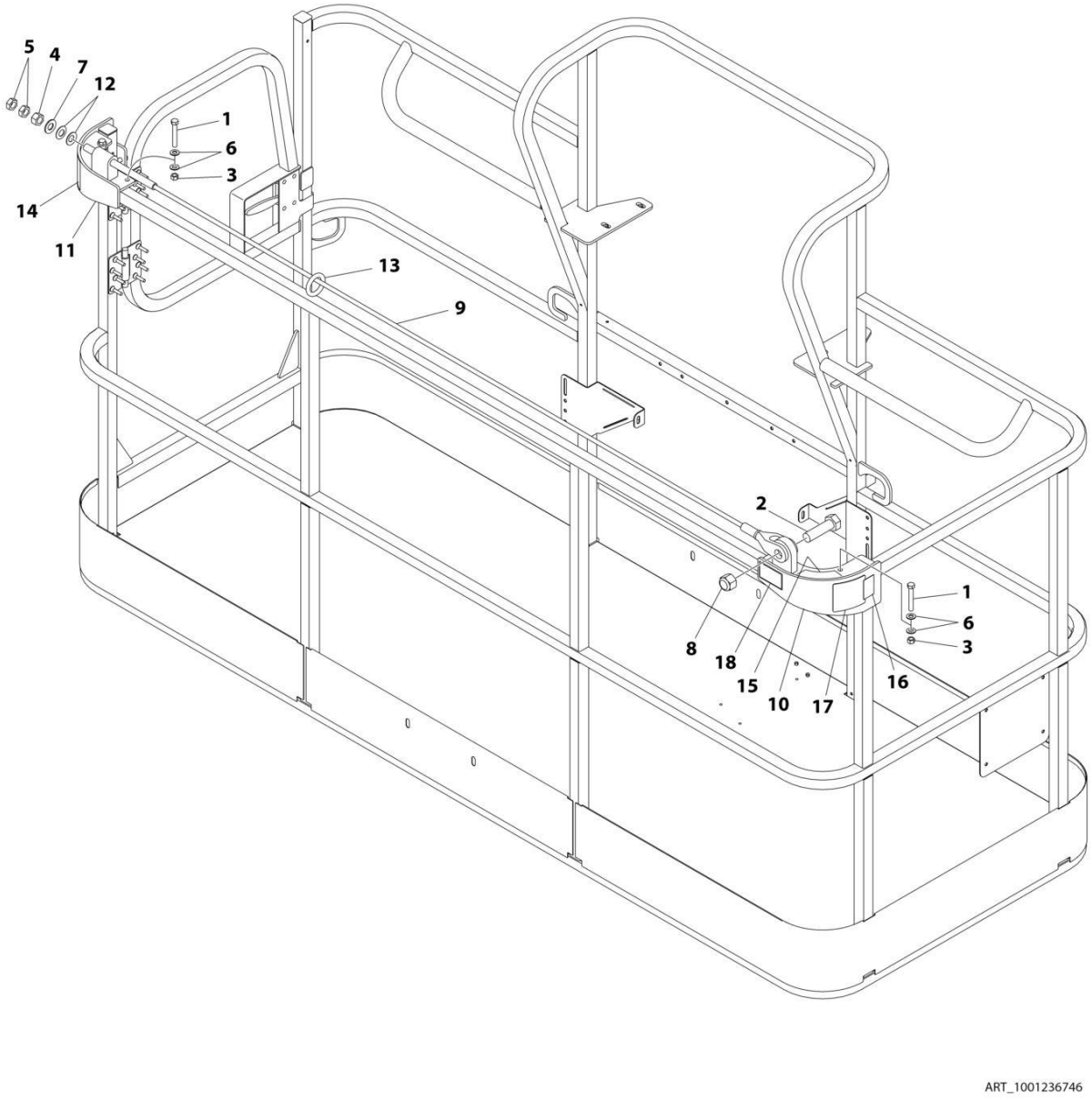


FIGURE 5-50. FALL ARREST INSTALLATION (BOLT-ON) (8FT/2.4M PLATFORM)

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

FIGURE 5-51. FALL ARREST INSTALLATION (BOLT-ON) (6FT/1.82M TRI-ENTRY PLATFORM)

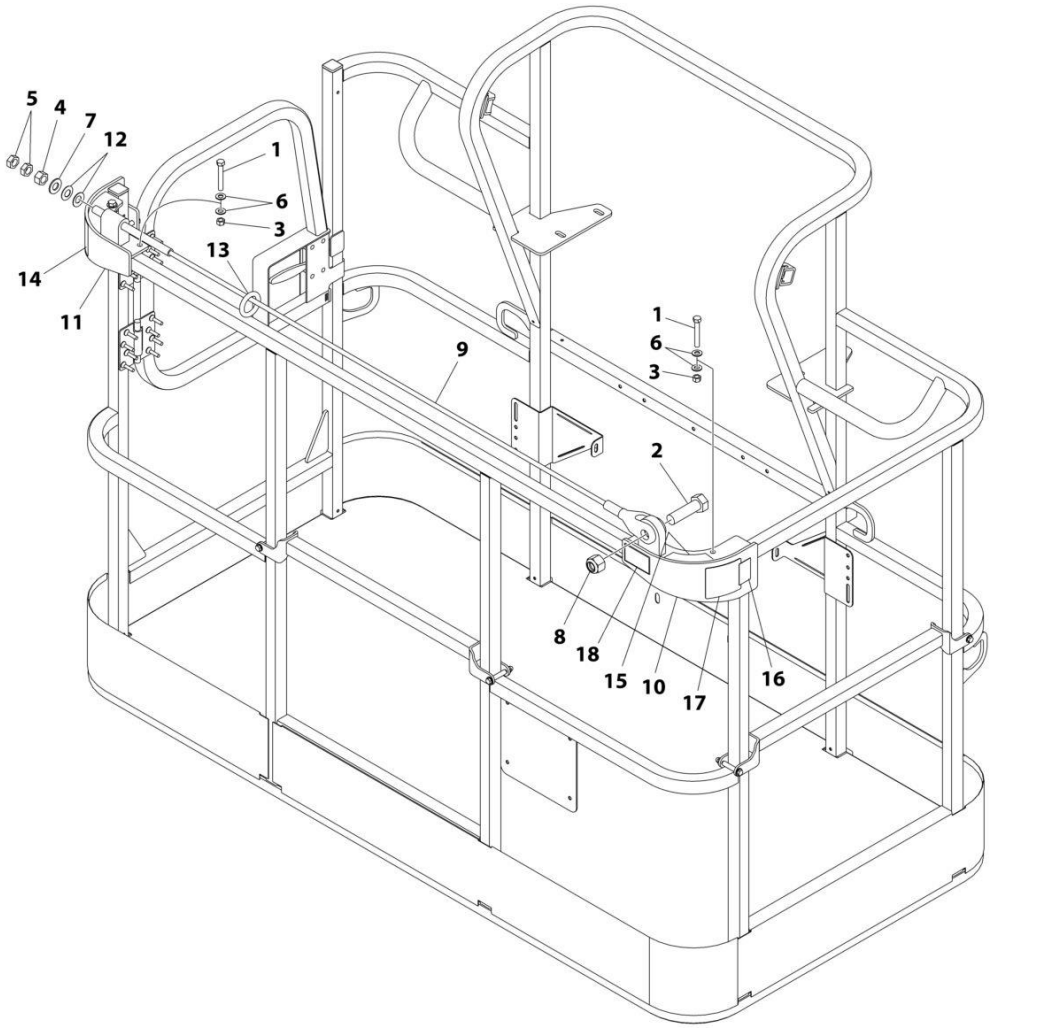


FIGURE 5-51. FALL ARREST INSTALLATION (BOLT-ON) (6FT/1.82M TRI-ENTRY PLATFORM)

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

FIGURE 5-52. USB CHARGER INSTALLATION

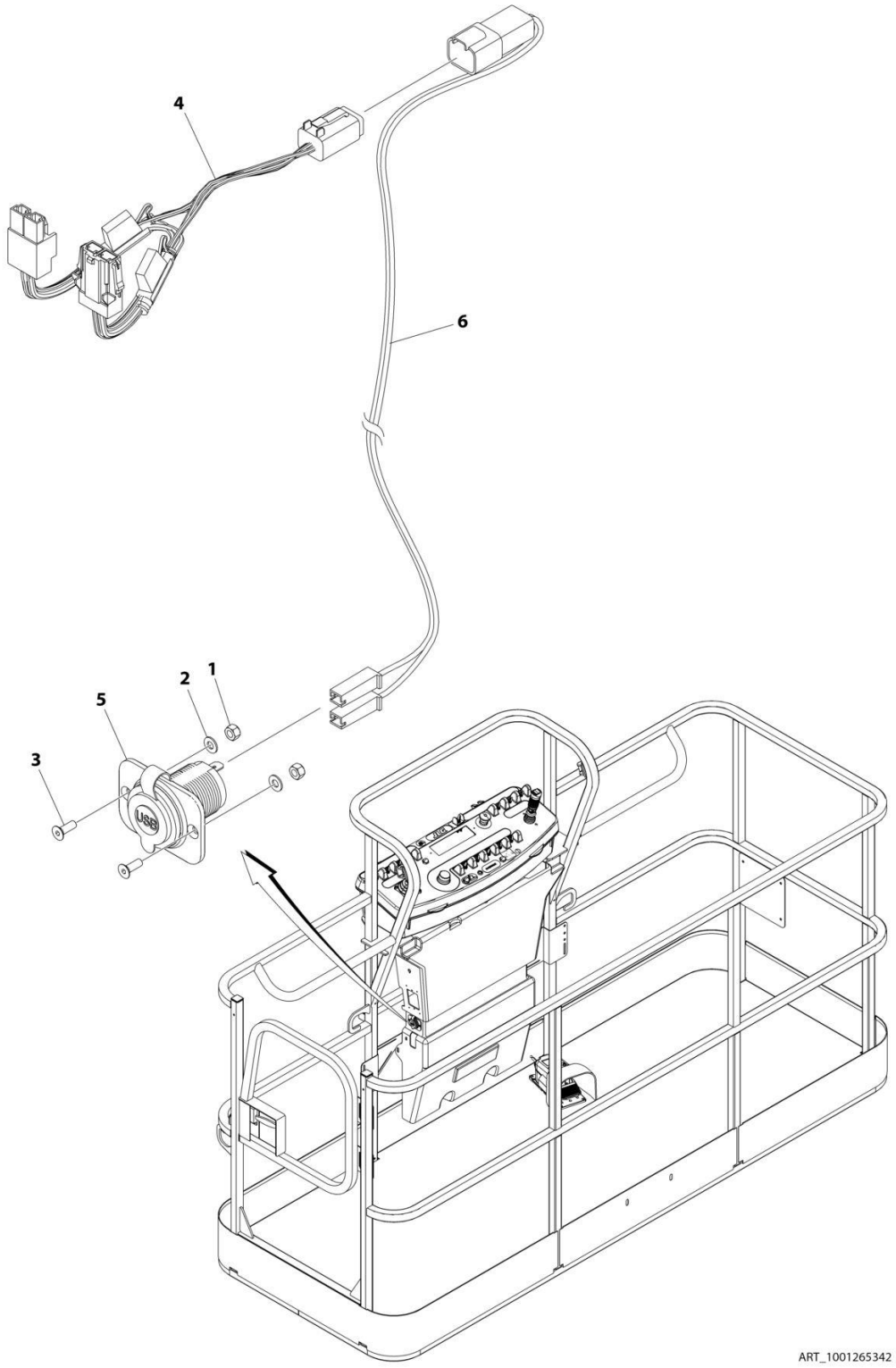


FIGURE 5-52. USB CHARGER INSTALLATION

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 (MACHINES WITH SN STARTING WITH 03)

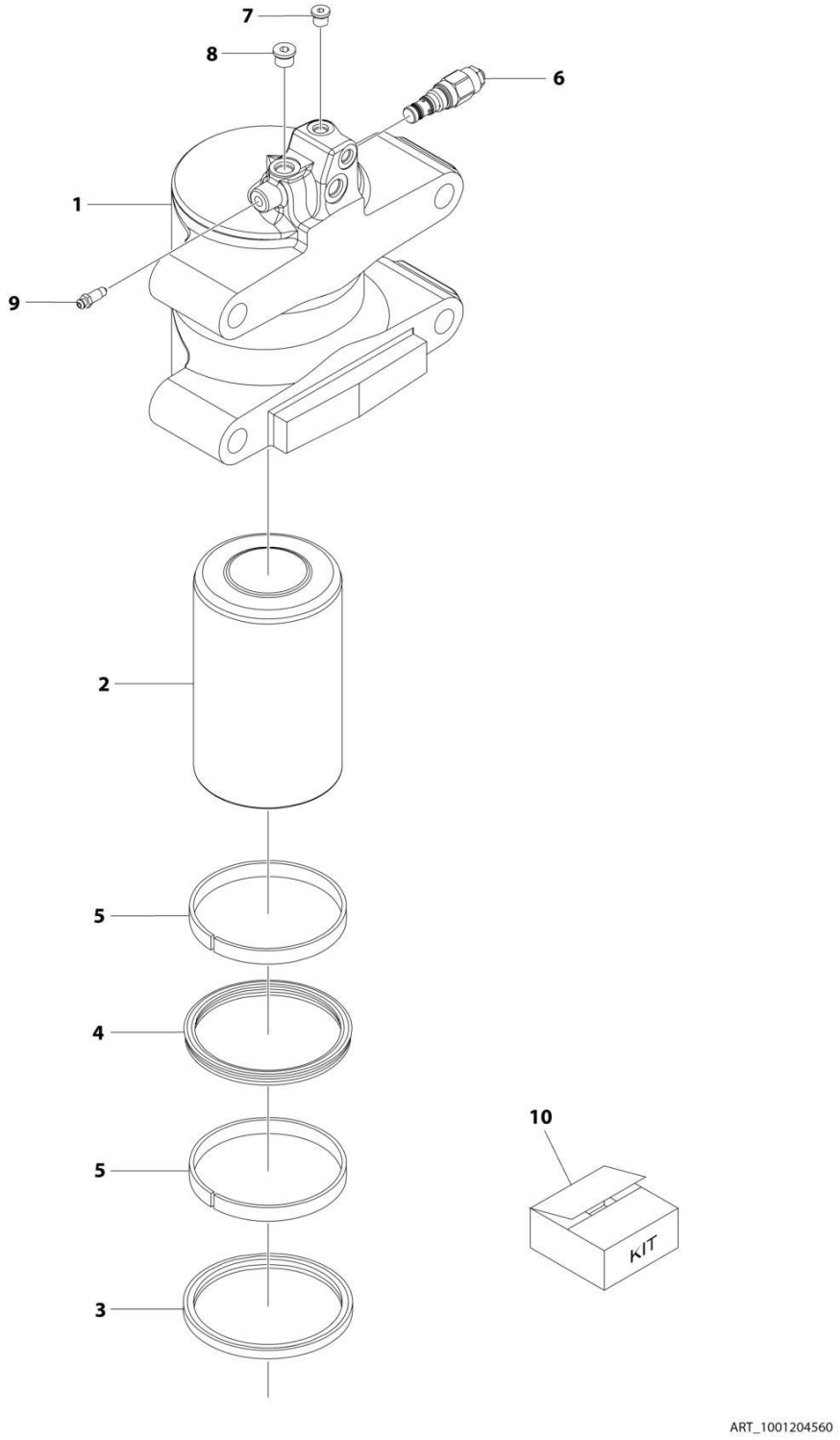


FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204560	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	D
1	1001154126	1	Barrel	
2	1001154687	1	Rod	
3	See Note	NSS	Wiper (Note: Use Item 10)	
4	See Note	NSS	Seal, Rod (Note: Use Item 10)	
5	See Note	NSS	Ring, Wear (Note: Use Item 10)	
6	1001117372	1	Cartridge, Valve (Counterbalance)	
6	70002842	1	Seal Kit - 1001117372 Valve (1 Per Assembly)	
7	2220883	1	Plug, O-Ring	
8	2220885	1	Plug, O-Ring	
9	4640858	1	Valve, Bleeder	
10	1001098167	1	Seal Kit (Includes Items 3-5)	

SECTION 6 - CYLINDER

FIGURE 6-2. AXLE LOCKOUT CYLINDER ASSEMBLY (MACHINES WITH SN STARTING WITH B3)

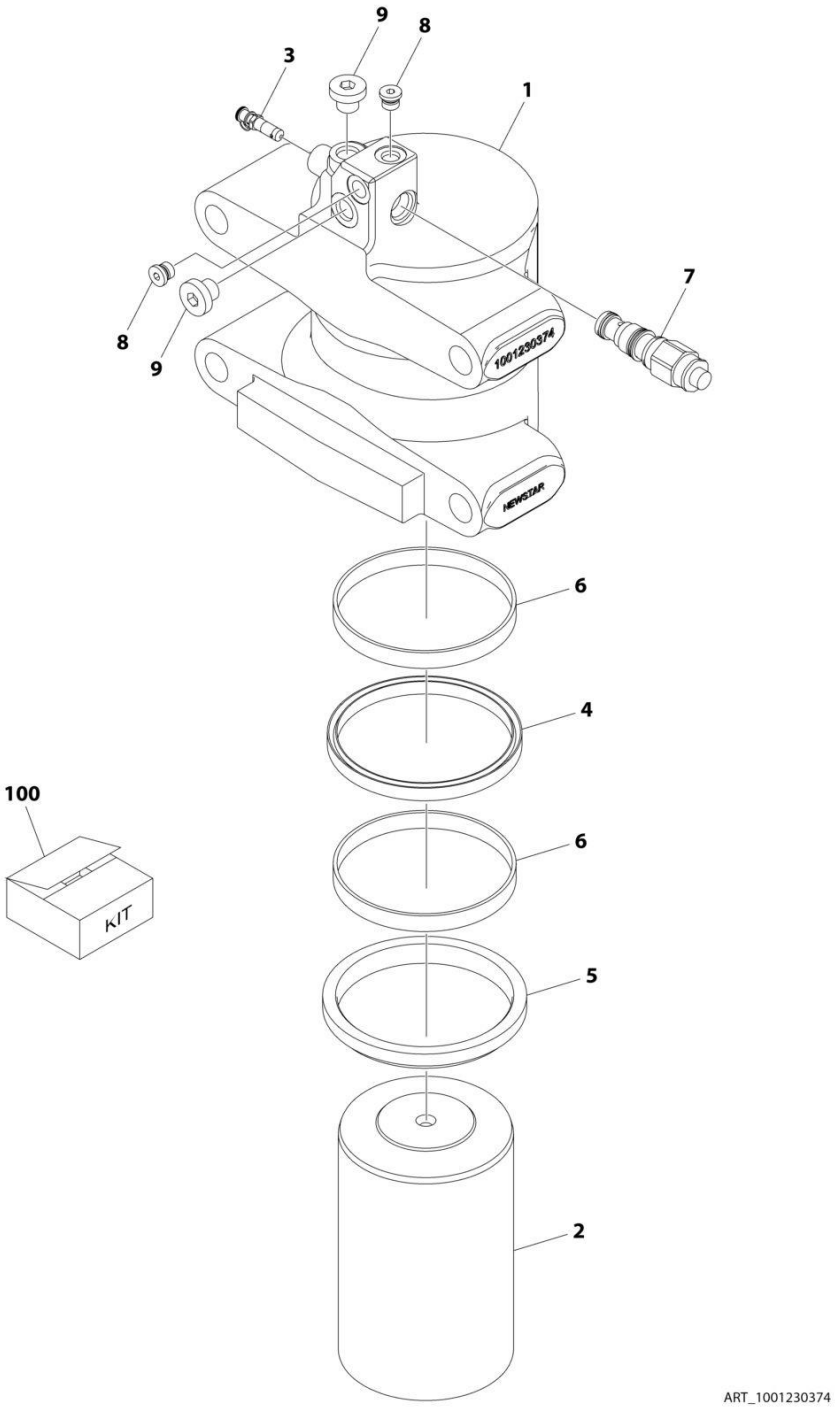


FIGURE 6-2. AXLE LOCKOUT CYLINDER ASSEMBLY (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230374	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	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 (Note: Not Available for Purchase)	
2	70006948	1	Rod	
3	4640858	1	Bleeder Valve	
4	See Note	NSS	Seal, Rod (Note: Use Item 100)	
5	See Note	NSS	Wiper (Note: Use Item 100)	
6	See Note	NSS	Ring, Wear (Note: Use Item 100)	
7	1001117372	1	Counterbalance Valve	
7	70002842	1	Seal Kit - 1001117372 Valve	
8	2220883	2	Plug	
9	2220885	2	Plug	
100	70006949	1	Seal kit - 1001230374 Cylinder (Includes 4-6)	

FIGURE 6-3. LEVEL CYLINDER ASSEMBLY (860SJ HC3)

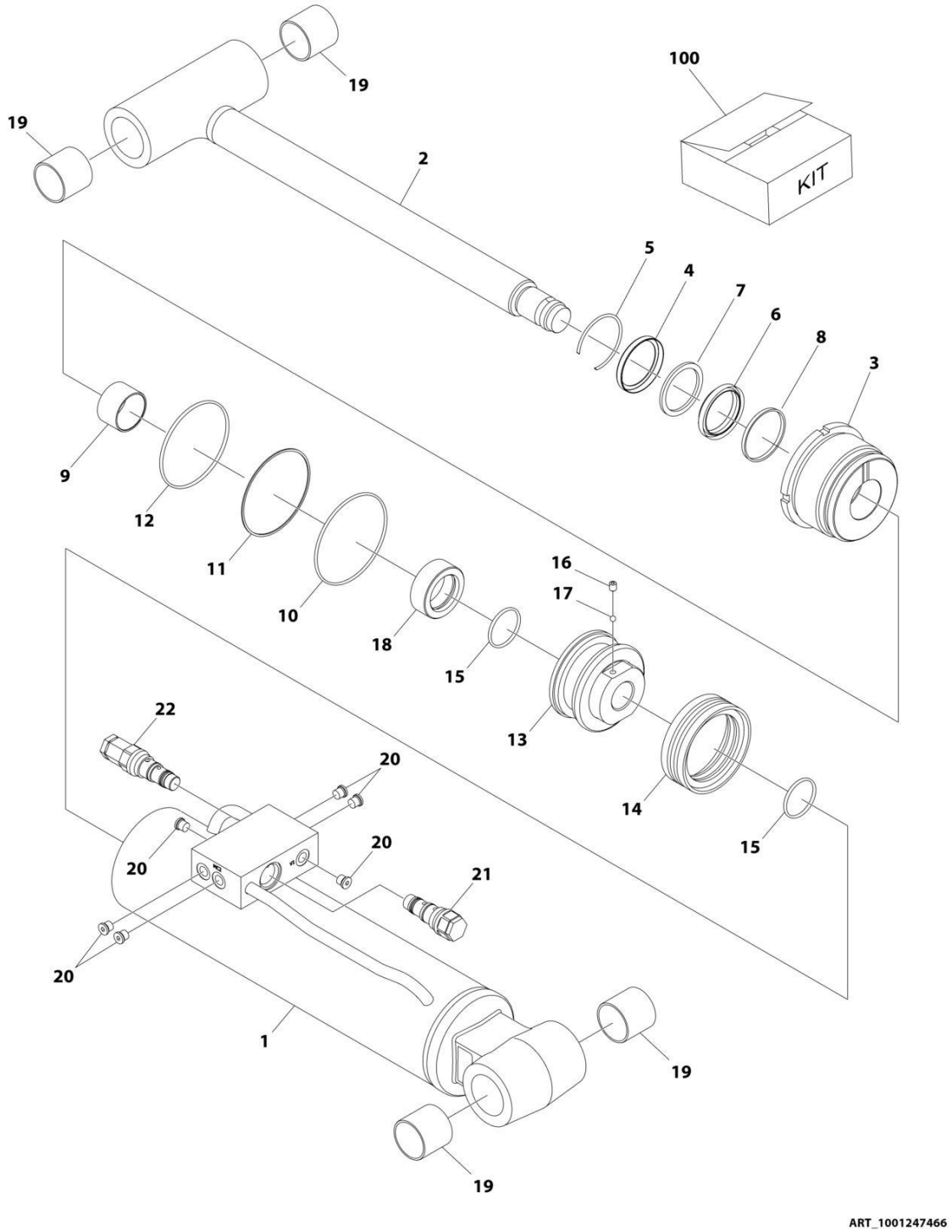


FIGURE 6-3. LEVEL CYLINDER ASSEMBLY (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247466	Ref	LEVEL CYLINDER ASSEMBLY	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use P/N 1001247466)	
2	70007168	1	Rod	
3	70007157	1	Head	
4	See Note	NSS	Wiper (Use Item:100)	
5	70002410	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Use Item:100)	
7	See Note	NSS	Ring, Back Up (Use Item:100)	
8	See Note	NSS	Ring, Buffer (Use Item:100)	
9	70004237	1	Ring, Wear (Use Item:100)	
10	See Note	NSS	O-Ring (Use Item:100)	
11	See Note	NSS	Ring, Back up (Use Item:100)	
12	See Note	NSS	O-Ring (Use Item:100)	
13	70007161	1	Piston	
14	See Note	NSS	Seal, Piston (Use Item:100)	
15	See Note	NSS	O-Ring (Use Item:100)	
16	70006596	1	Setscrew	
17	70022564	1	Ball	
18	70007169	1	Spacer	
19	70007159	4	Bearing	
20	2220883	6	Plug	
21	4640999	1	Valve, Counterbalance	
21	2900792	1	Seal Kit - 4640999 Valve	
22	4640932	1	Valve, Counterbalance	
22	7011112	1	Seal Kit - 4640932 Valve	
100	70007251	1	Seal Kit, Cylinder (Include items : 4,6,7,8,10,11,12,14 & 15)	

FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB (800S HC3) (Prior to SN 0300297258)

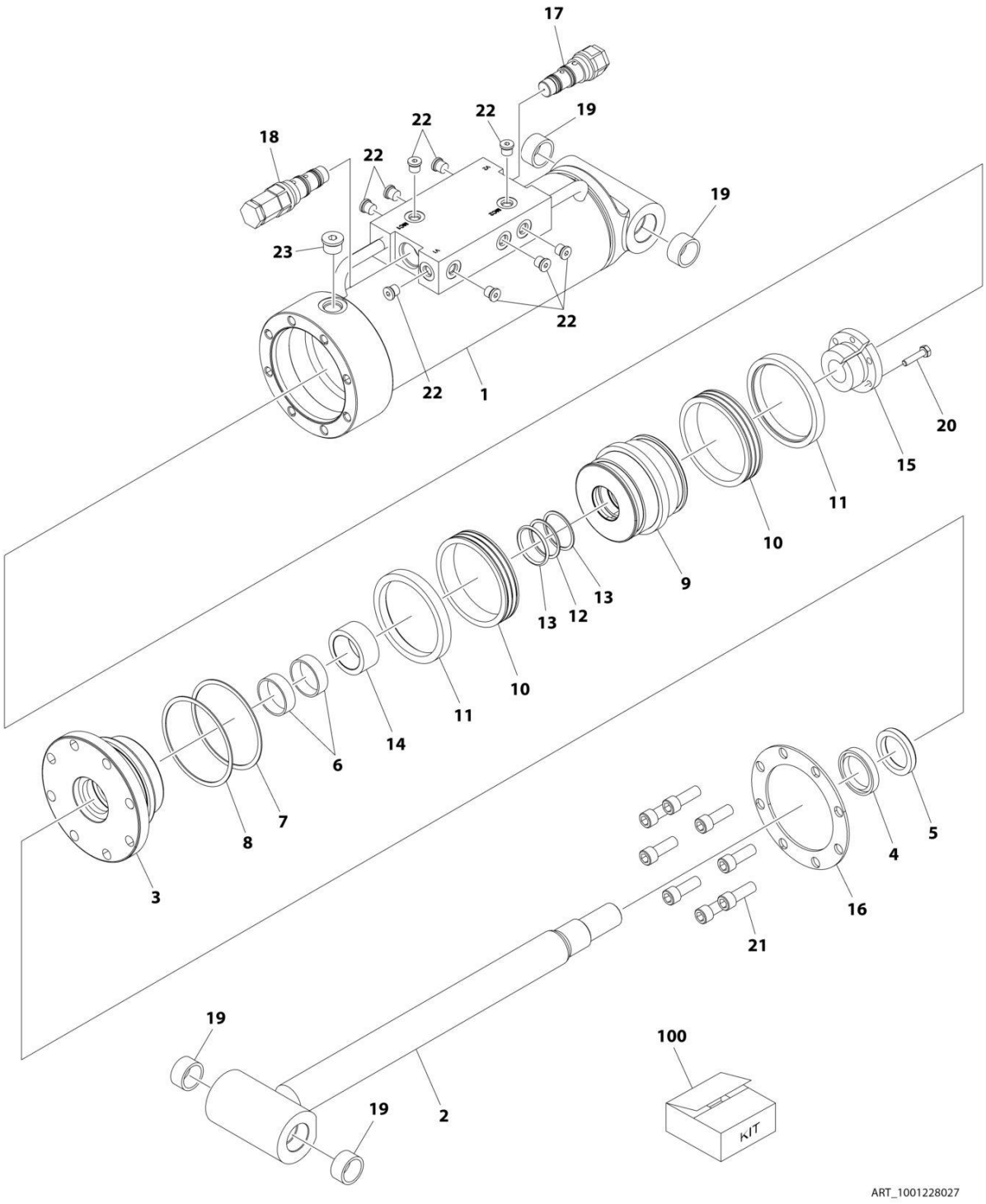


FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB (800S HC3) (Prior to SN 0300297258)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228027	Ref	LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE	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	70006648	1	Rod	
3	70006699	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	70006700	1	Piston	
10	See Note	NSS	T-Seal (Note: Use Item 100)	
11	See Note	NSS	Ring, Wear (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	70006701	1	Spacer, Tube	
15	0961894	1	Bushing, Tapered	
16	3760370	1	Washer	
17	4641232	1	Valve, Cartridge	
17	7011112	1	Seal Kit - 4641232 Valve	
18	4640932	1	Valve, Cartridge	
18	7011112	1	Seal Kit - 4640932 Valve	
19	0961947	4	Bushing	
20	0630535	3	Capscrew 1/4 x 1	
21	3931720	8	Capscrew 7/16 x 1-1/4	
22	2220883	10	Plug	
23	2220886	1	Plug	
100	2902061	1	Seal Kit (Includes Items 4-8 & 10-13)	

FIGURE 6-5. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (800S HC3) (SN 0300297258 to Present)

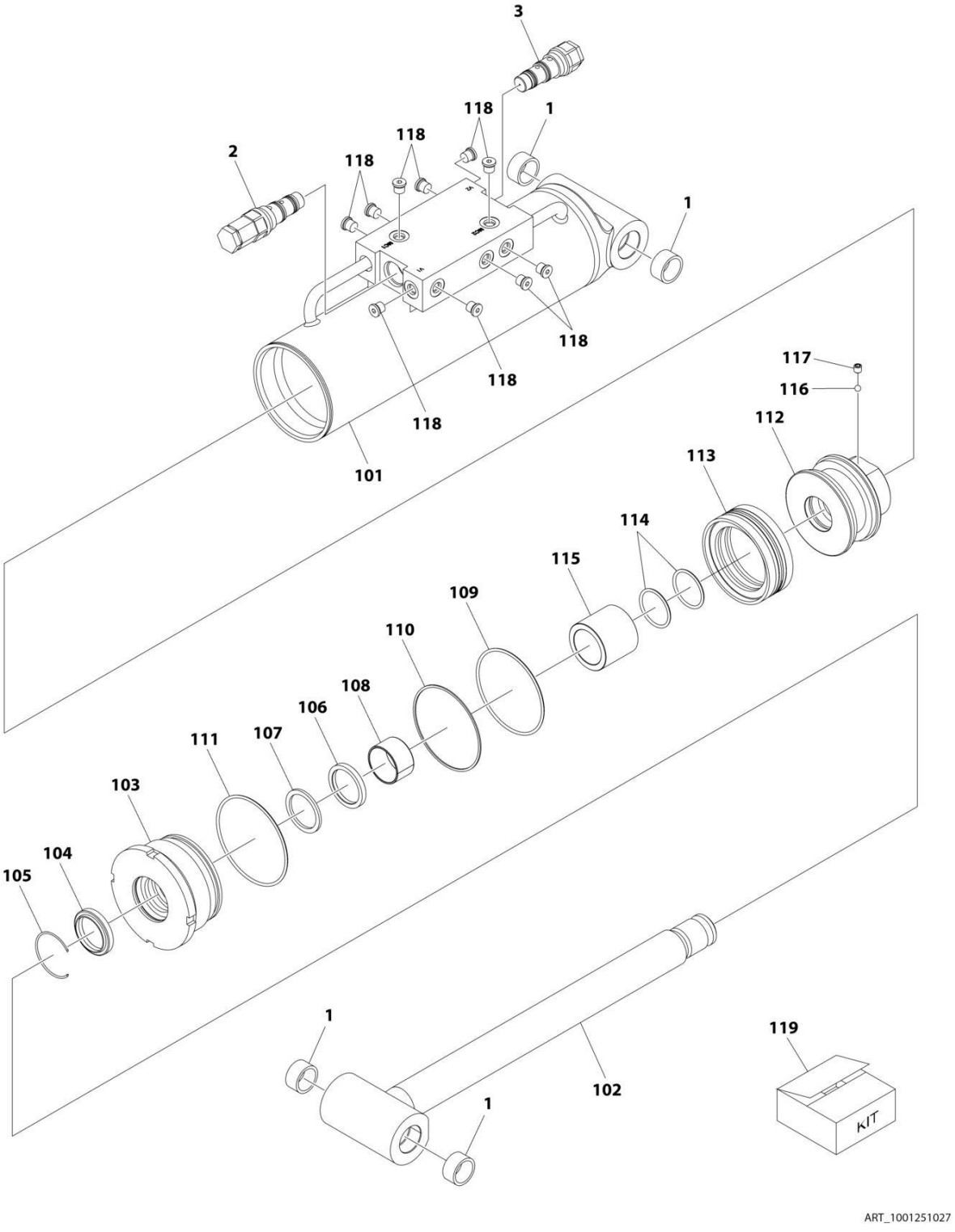


FIGURE 6-5. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (800S HC3) (SN 0300297258 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251027	Ref	LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0961947	4	Bushing	
2	4640932	1	Valve, Cartridge	
2	7011112	1	Seal Kit - 4640932 Valve	
3	4641232	1	Valve, Cartridge	
3	7011112	1	Seal Kit - 4641232 Valve	
101	See Note	NSS	Tube (Note: Not Available for Purchase)	
102	70008186	1	Rod	
103	70007971	1	Head	
104	See Note	NSS	Wiper, Dust (Note: Use Item 119)	
105	70002373	1	Ring, Retaining	
106	See Note	NSS	Rod, Seal (Note: Use Item 119)	
107	See Note	NSS	Ring, Backup (Note: Use Item 119)	
108	70005871	1	Bushing	
109	See Note	NSS	O-Ring (Note: Use Item 119)	
110	See Note	NSS	Ring, Backup (Note: Use Item 119)	
111	See Note	NSS	O-Ring (Note: Use Item 119)	
112	70007972	1	Piston	
113	See Note	NSS	Seal, Piston (Note: Use Item 119)	
114	See Note	NSS	O-Ring (Note: Use Item 119)	
115	70008187	1	Spacer	
116	70022564	1	Ball, Steel	
117	70022563	1	Setscrew	
118	2220883	10	Plug	
119	7007974	1	Seal Kit (Includes Items 104, 106-107, 109-111 & 113-114)	

FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB (860SJ HC3)

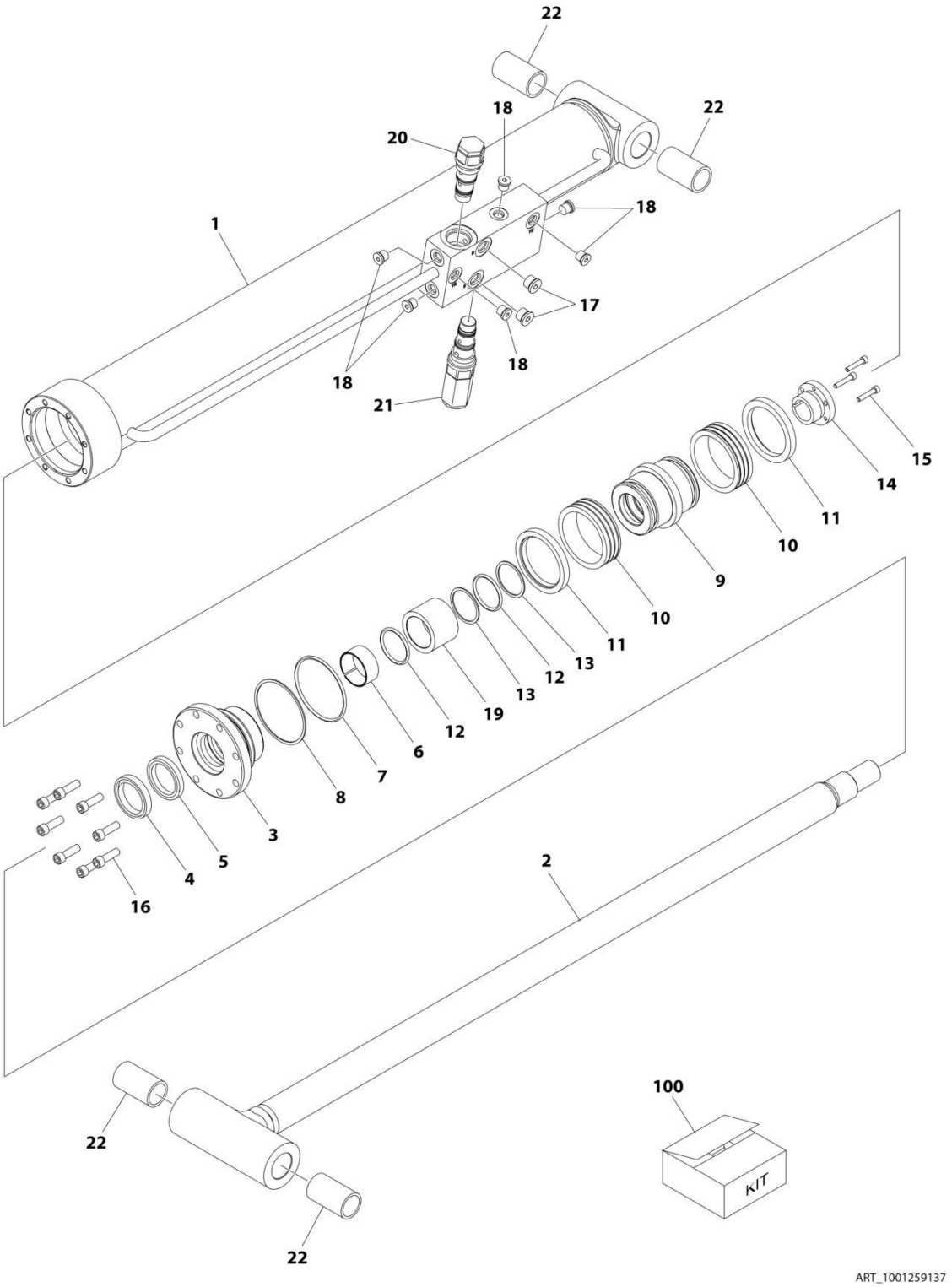


FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB (860SJ HC3)

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 6-7. LIFT CYLINDER ASSEMBLY - JIB (860SJ HC3)

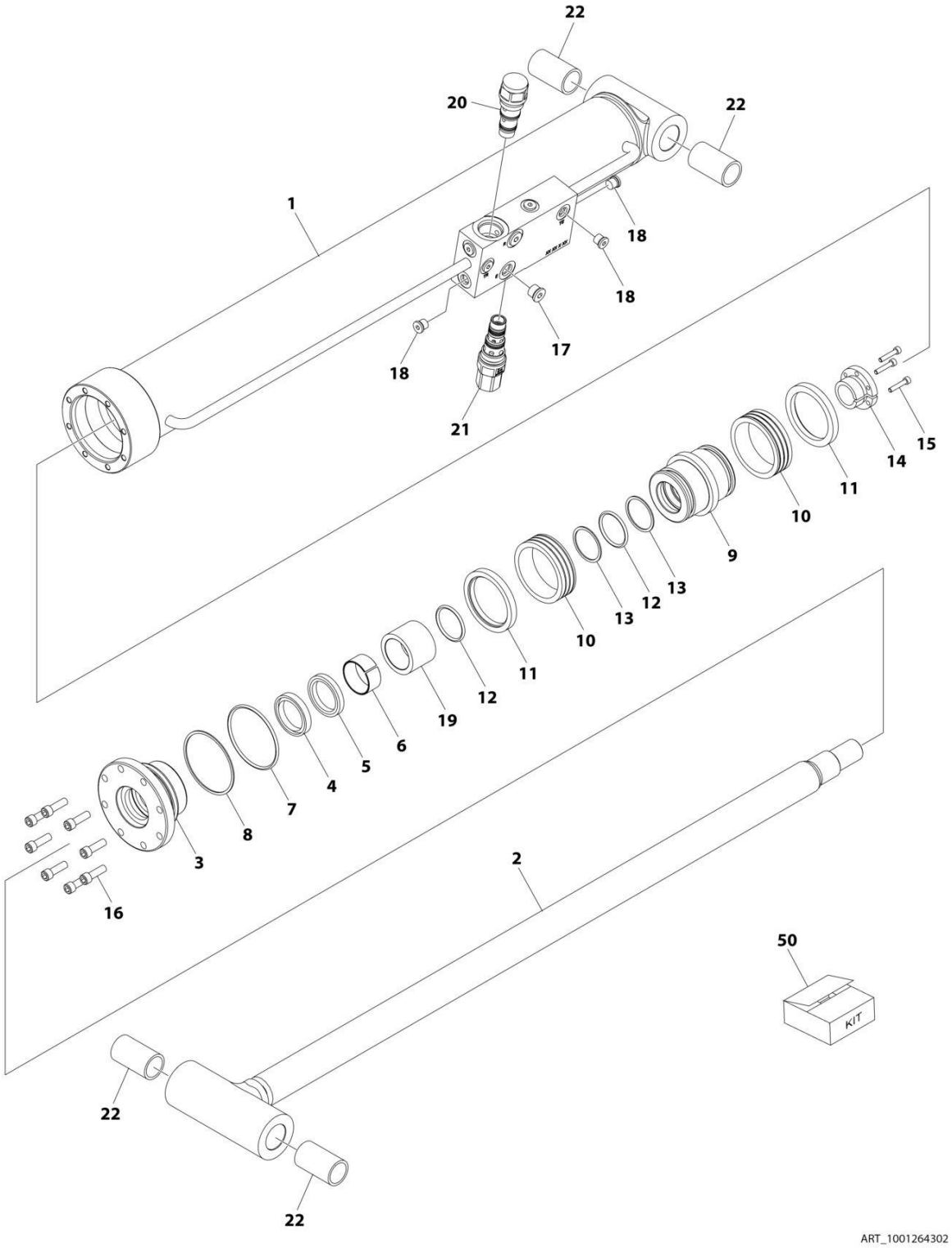


FIGURE 6-7. LIFT CYLINDER ASSEMBLY - JIB (860SJ HC3)

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 6-8. LIFT CYLINDER ASSEMBLY - JIB (860SJ HC3)

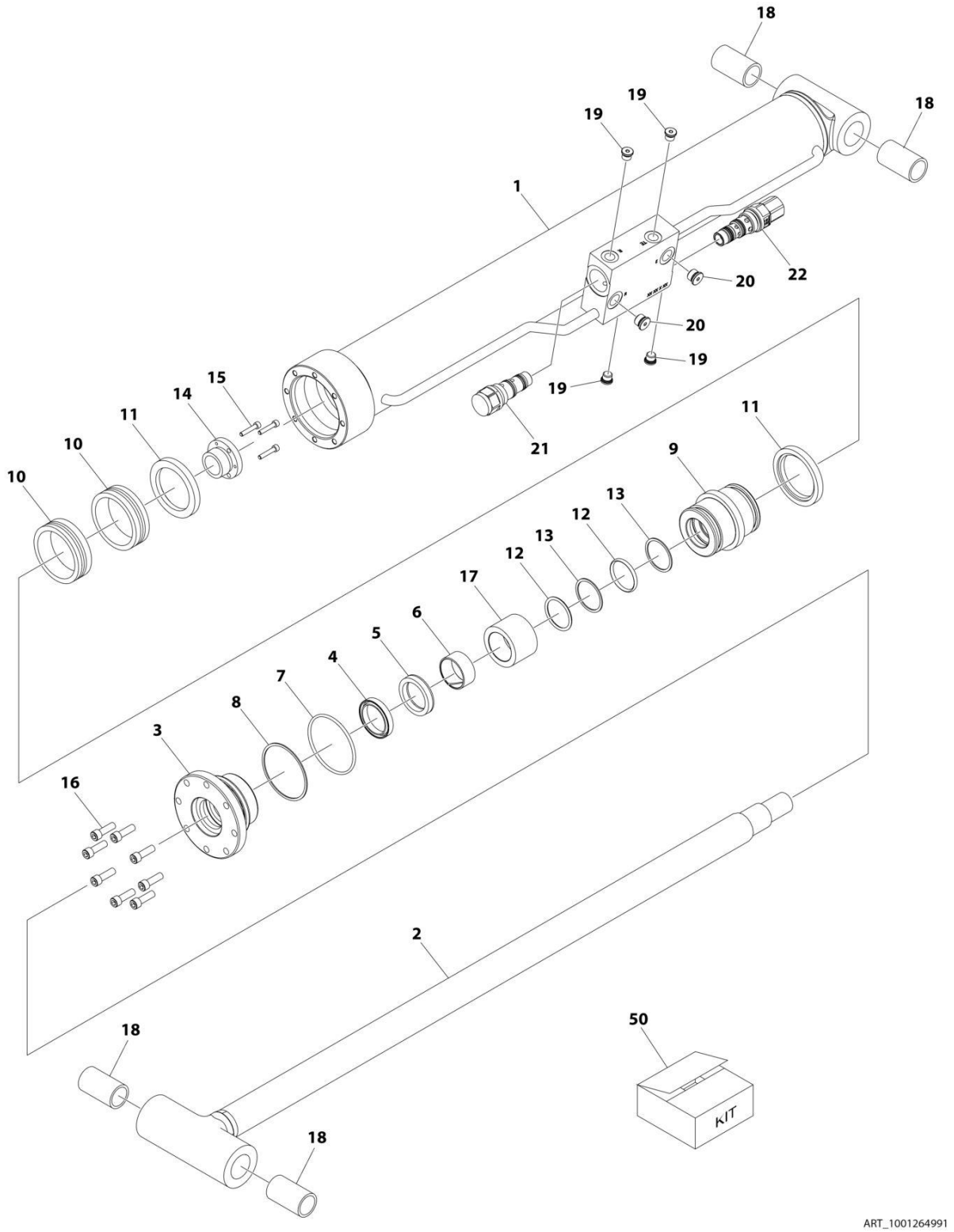


FIGURE 6-8. LIFT CYLINDER ASSEMBLY - JIB (860SJ HC3)

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)	

SECTION 6 - CYLINDER

FIGURE 6-9. LIFT CYLINDER ASSEMBLY - MAIN BOOM (800S HC3) (Prior to SN 0300297258)

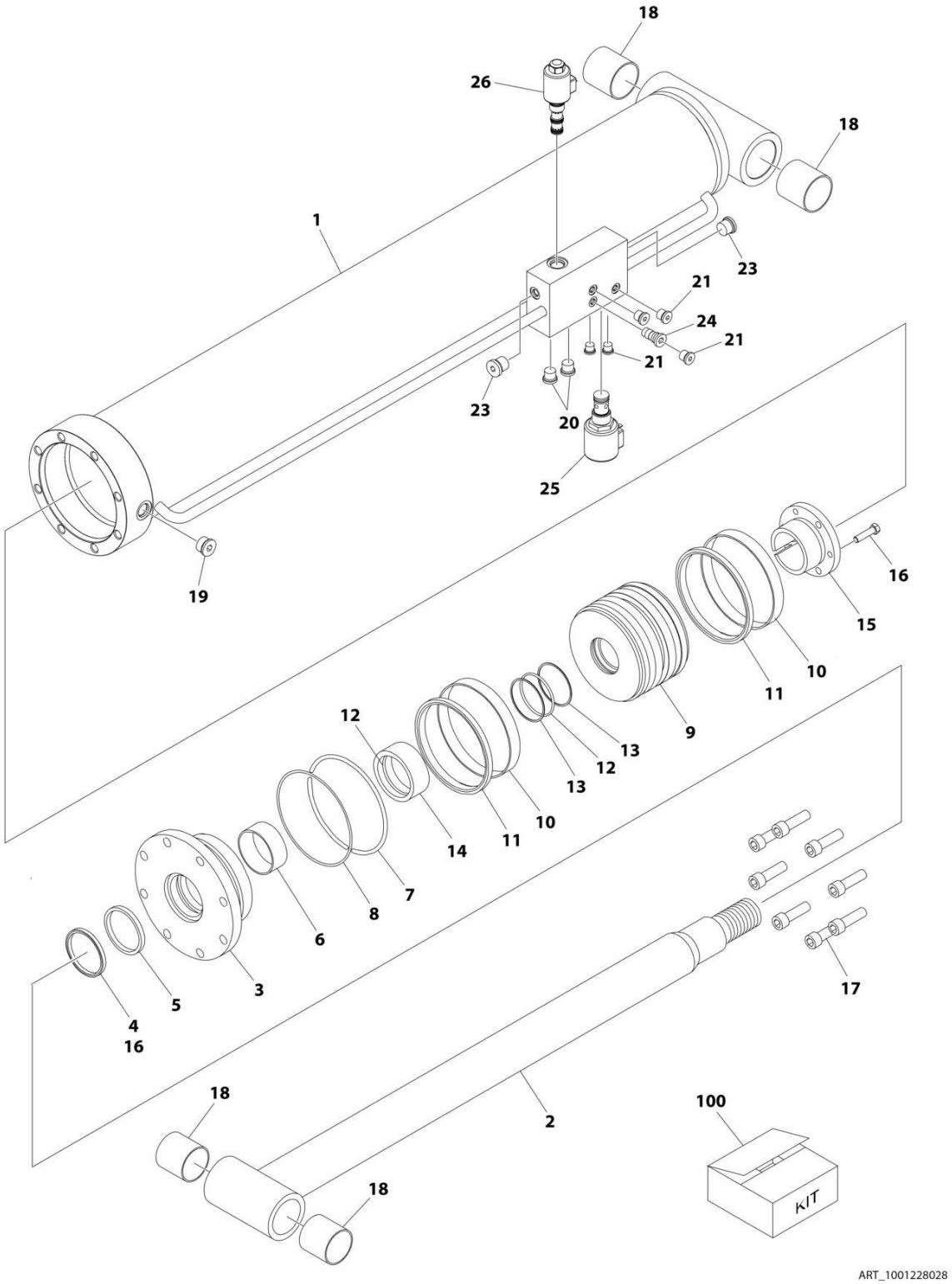


FIGURE 6-9. LIFT CYLINDER ASSEMBLY - MAIN BOOM (800S HC3) (Prior to SN 0300297258)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228028	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 (Note: Not Available for Purchase)	
2	70006506	1	Rod	
3	70006505	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	70006504	1	Piston	
10	See Note	NSS	Ring, Guidelock (Note: Use Item 100)	
11	See Note	NSS	Ring, Guidelock (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	70006503	1	Spacer, Tube	
15	0961898	1	Bushing, Tapered	
16	0630536	3	Bolt	
16	0100011	AR	Compound, Locking	
16	0100038	AR	Primer, Locking	
17	3932240	8	Capscrew 3/4 x 2-1/2	
17	0100011	AR	Compound, Locking	
17	0100038	AR	Primer, Locking	
18	0962033	4	Bushing	
19	2220888	3	Plug	
20	2220887	2	Plug	
21	2220883	4	Plug	
23	2220885	2	Plug	
24	4641194	1	Cartridge, Relief Valve	
24	7023927	1	Seal Kit - 4641194 Valve	
25	4641188	1	Cartridge, Lift Holding Solenoid	
25	7023923	1	Cartridge - 4641188 Valve	
25	7023919	1	Seal Kit - 4641188 Valve	
25	7012943	1	Coil - 4641188 Valve	
26	4641234	1	Cartridge, Lift Relief Proportional Solenoid	
26	7023982	1	Cartridge - 4641234 Valve	
26	7012925	1	Seal Kit - 4641234 Valve	
26	7017451	1	Coil - 4641234 Valve	
100	2901537	1	Seal Kit (Includes Items 5-8 & 10-13)	

SECTION 6 - CYLINDER

FIGURE 6-10. LIFT CYLINDER ASSEMBLY - MAIN BOOM (800S HC3) (SN 0300297258 to Present)

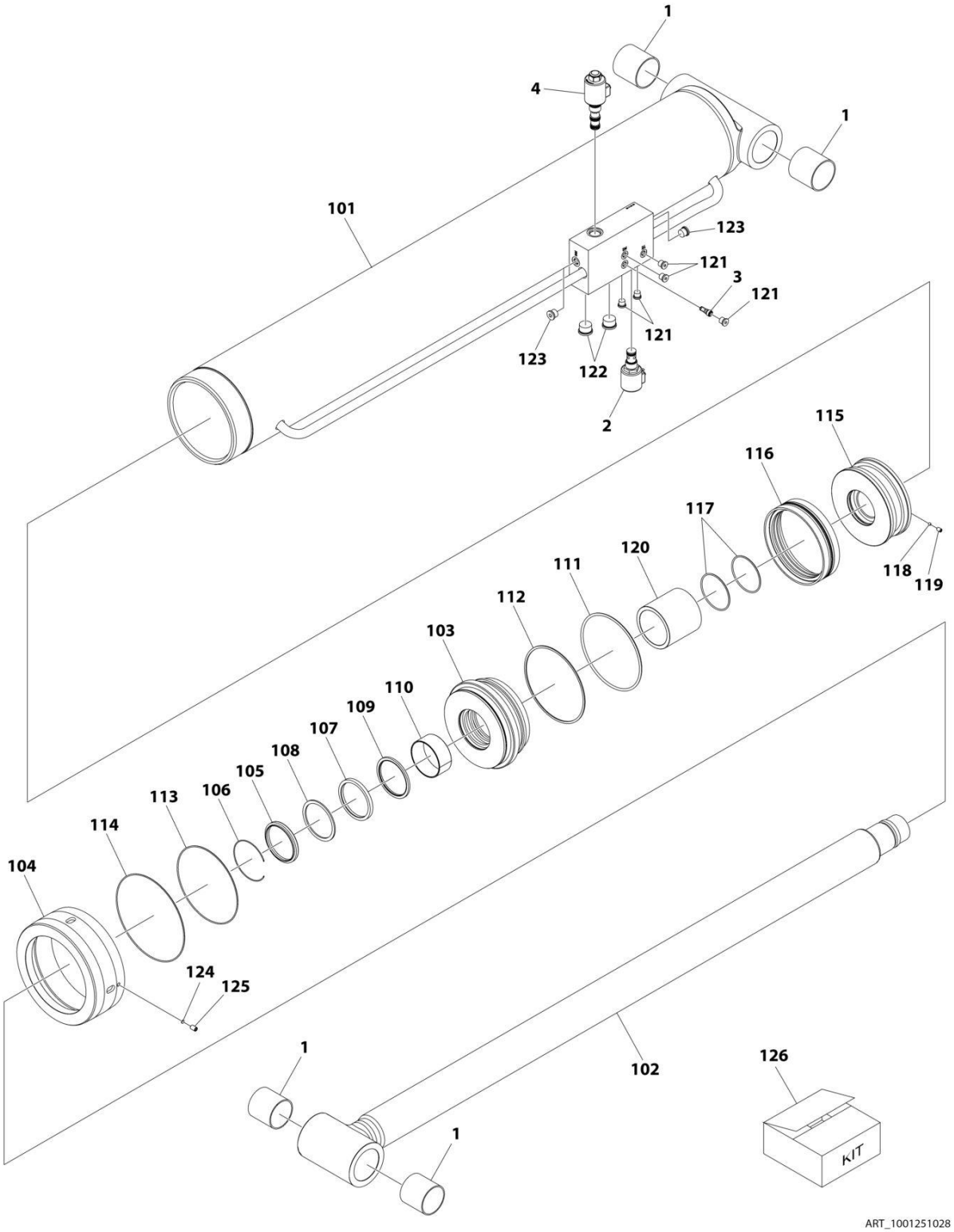


FIGURE 6-10. LIFT CYLINDER ASSEMBLY - MAIN BOOM (800S HC3) (SN 0300297258 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251028	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	0962033	4	Bushing	
2	7023923	1	Cartridge - 4641188 Valve	
2	7023919	1	Seal Kit - 4641188 Valve	
2	7012943	1	Coil - 4641188 Valve	
3	4641194	1	Cartridge, Relief Valve	
3	7023927	1	Seal Kit - 4641194 Valve	
4	7023982	1	Cartridge - 4641234 Valve	
4	7012925	1	Seal Kit - 4641234 Valve	
4	7017451	1	Coil - 4641234 Valve	
101	See Note	NSS	Tube (Note: Not Available for Purchase)	
102	70008188	1	Rod	
103	70008189	1	Head	
104	70007278	1	Cap, Tube	
105	See Note	NSS	Wiper, Dust (Note: Use Item 126)	
106	70023380	1	Ring, Retaining	
107	See Note	NSS	Seal, Rod (Note: Use Item 126)	
108	See Note	NSS	Ring, Backup (Note: Use Item 126)	
109	See Note	NSS	Ring, Buffer (Note: Use Item 126)	
110	70007423	1	Bushing	
111	See Note	NSS	O-Ring (Note: Use Item 126)	
112	See Note	NSS	Ring, Backup (Note: Use Item 126)	
113	See Note	NSS	O-Ring (Note: Use Item 126)	
114	See Note	NSS	O-Ring (Note: Use Item 126)	
115	70008190	1	Piston	
116	See Note	NSS	Seal, Piston (Note: Use Item 126)	
117	See Note	NSS	O-Ring (Note: Use Item 126)	
118	70022564	1	Ball, Steel	
119	70006596	1	Setscrew	
120	70008191	1	Spacer	
121	2220883	5	Plug 7/16	
122	70005433	2	Plug 7/8	
123	2220885	2	Plug 9/16	
124	70007282	1	Insert, Locking	
125	70026287	1	Setscrew	
126	70008192	1	(Includes Items 105, 107-109, 111-114 & 116-117)	

FIGURE 6-11. LIFT CYLINDER ASSEMBLY - MAIN BOOM (860SJ HC3)

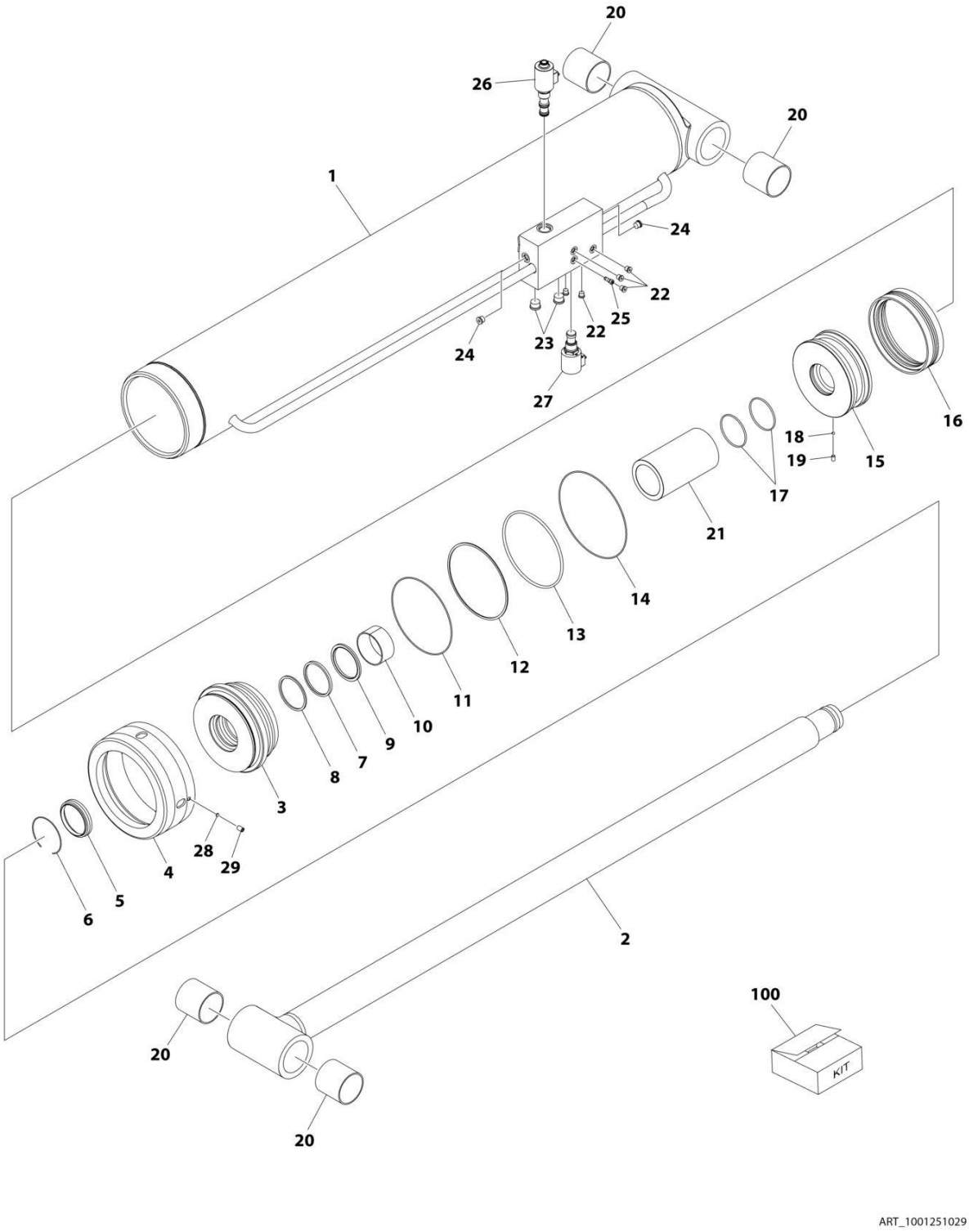


FIGURE 6-11. LIFT CYLINDER ASSEMBLY - MAIN BOOM (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251029	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 (Note: Not Available for Purchase)	
2	70007276	1	Rod	
3	70007277	1	Head	
4	70007278	1	Cap, Tube	
5	See Note	NSS	Wiper (Note: Use Item 100)	
6	70027750	1	Ring, Retainer	
7	See Note	NSS	Seal, Rod (Note: Use Item 100)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
9	See Note	NSS	Ring, Buffer (Note: Use Item 100)	
10	70007279	1	Bearing	
11	See Note	NSS	O-Ring (Note: Use Item 100)	
12	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
13	See Note	NSS	O-Ring (Note: Use Item 100)	
14	See Note	NSS	O-Ring (Note: Use Item 100)	
15	70007280	1	Piston	
16	See Note	NSS	Seal, Piston (Note: Use Item 100)	
17	See Note	NSS	O-Ring (Note: Use Item 100)	
18	70022564	1	Steel Ball	
19	70029468	1	Setscrew	
20	0962033	4	Bushing	
21	70007281	1	Spacer	
22	2220883	5	Plug	
23	70005433	2	Plug	
24	2220885	2	Plug	
25	4641194	1	Cartridge, Relief Valve	
25	7023927	1	Seal Kit - 4641194 Valve	
26	4641234	1	Cartridge, Lift Relief Proportional Solenoid	
26	7023982	1	Cartridge - 4641234 Valve	
26	7012925	1	Seal Kit - 4641234 Valve	
26	7017451	1	Coil - 4641234 Valve	
27	4641188	1	Cartridge, Lift Holding Solenoid	
27	7023923	1	Cartridge - 4641188 Valve	
27	7023919	1	Seal Kit - 4641188 Valve	
27	7012943	1	Coil - 4641188 Valve	
28	70007282	1	Insert, Locking	
29	70026287	1	Setscrew	
100	70007283	1	Seal Kit (Includes Items 5, 7-9, 11-14, 16 & 17)	

SECTION 6 - CYLINDER

FIGURE 6-12. STEER CYLINDER ASSEMBLY (MACHINES WITH SN STARTING WITH 03)

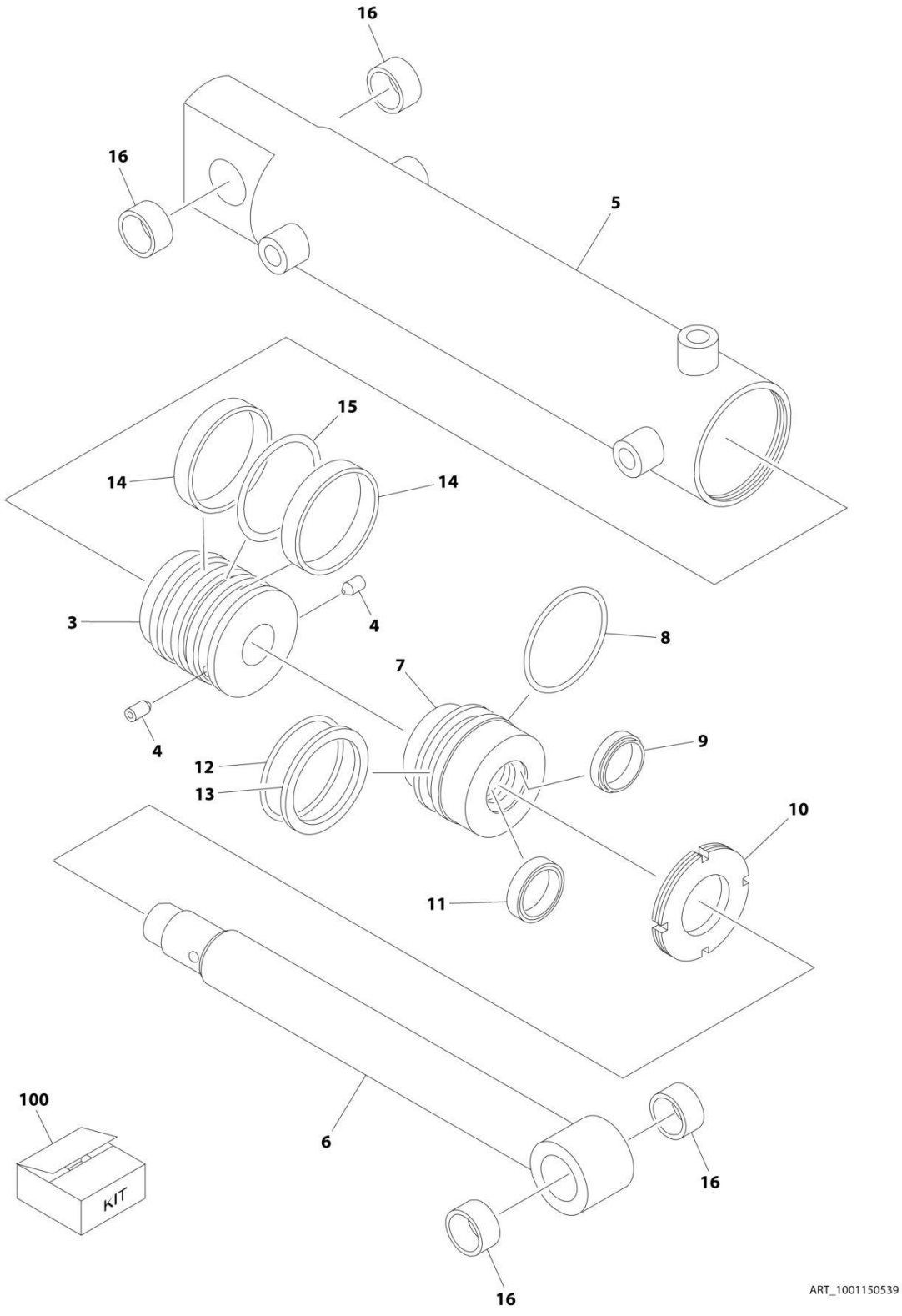


FIGURE 6-12. STEER CYLINDER ASSEMBLY (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150539	Ref	STEER CYLINDER ASSEMBLY	F
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
3	70002744	1	Piston	
4	70002745	2	Setscrew M6 x 10	
5	70004381	1	Barrel	
6	70004382	1	Rod	
7	70002748	1	Head	
8	See Note	NSS	Ring (Note: Use Item 100)	
9	See Note	NSS	Wiper (Note: Use Item 100)	
10	70002749	1	Nut, Spanner	
11	See Note	NSS	Seal (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	See Note	NSS	Ring, Wear (Note: Use Item 100)	
15	See Note	NSS	Seal (Note: Use Item 100)	
16	0962152	4	Bushings	
100	70002751	1	Seal Kit (Includes Items 8, 9 & 11-15)	

FIGURE 6-13. STEER CYLINDER ASSEMBLY (MACHINES WITH SN STARTING WITH B3)

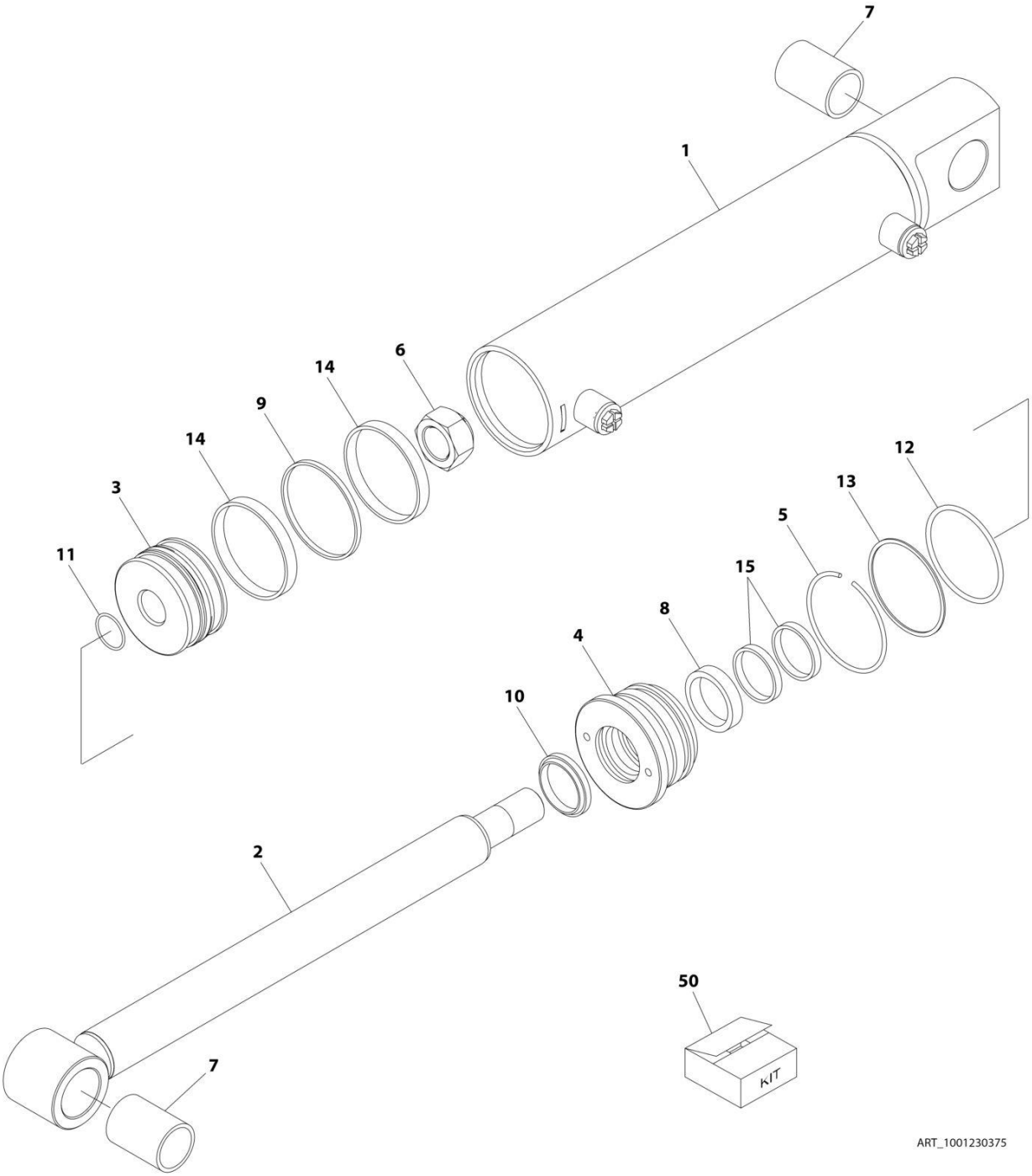


FIGURE 6-13. STEER CYLINDER ASSEMBLY (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230375	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	See Note	NSS	Barrel (Note: Not Available for Purchase)	
2	70006964	1	Rod	
3	70006965	1	Piston	
4	70006966	1	Head	
5	70006967	1	Nut	
6	70006968	1	Ring, Baffle	
7	0962152	2	Bushing	
8	See Note	NSS	Seal, Rod (Note: Use Item 50)	
9	See Note	NSS	Seal (Note: Use Item 50)	
10	See Note	NSS	Wiper (Note: Use Item 50)	
11	See Note	NSS	O-Ring (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	See Note	NSS	Ring, Wear (Note: Use Item 50)	
15	See Note	NSS	Ring, Wear (Note: Use Item 50)	
50	70006969	1	Seal Kit - 1001230375 Cyliner (Includes Items 8-15)	

SECTION 6 - CYLINDER

FIGURE 6-14. TELESCOPE CYLINDER ASSEMBLY (800S HC3) (Prior to SN 0300296333, Excluding 0300295806)

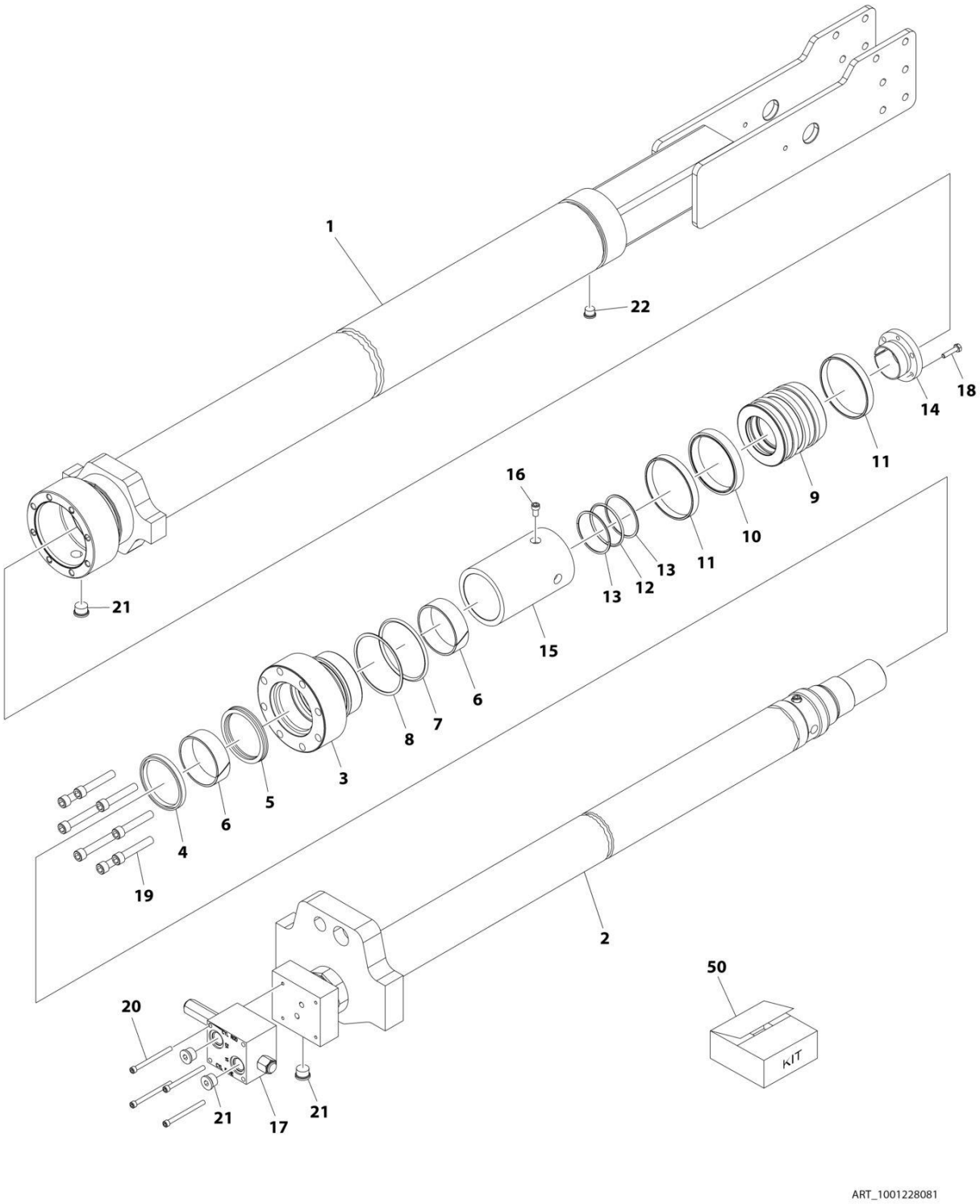


FIGURE 6-14. TELESCOPE CYLINDER ASSEMBLY (800S HC3) (Prior to SN 0300296333, Excluding 0300295806)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228081	Ref	TELESCOPE CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not Available for Purchase)	
2	70006719	1	Rod	
3	70006694	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	70006720	1	Piston	
10	See Note	NSS	T-Seal (Note: Use Item 50)	
11	See Note	NSS	Ring, Wear (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	0961897	1	Bushing, Tapered	
15	70006721	1	Spacer, Tube	
16	3931508	1	Capscrew 5/16 x 1/2	
17	4641033	1	Valve Assembly (No serviceable parts - sold as assembly only)	
17	7024508	2	O-Ring (Not Shown - Located between valve and cylinder)	
18	0630535	3	Bolt 1/4 x 1-1/8	
19	3931740	8	Capscrew 7/16 x 2-1/2	
20	3931448	4	Capscrew 1/4 x 3	
21	2220886	2	Plug, O-Ring	
22	2220885	1	Plug, O-Ring	
50	1001181694	1	Seal Kit Options (Includes Items 4-8 & 10-13)	

FIGURE 6-15. TELESCOPE CYLINDER ASSEMBLY (800S HC3) (SN 0300296333 to Present, Including 0300295806)

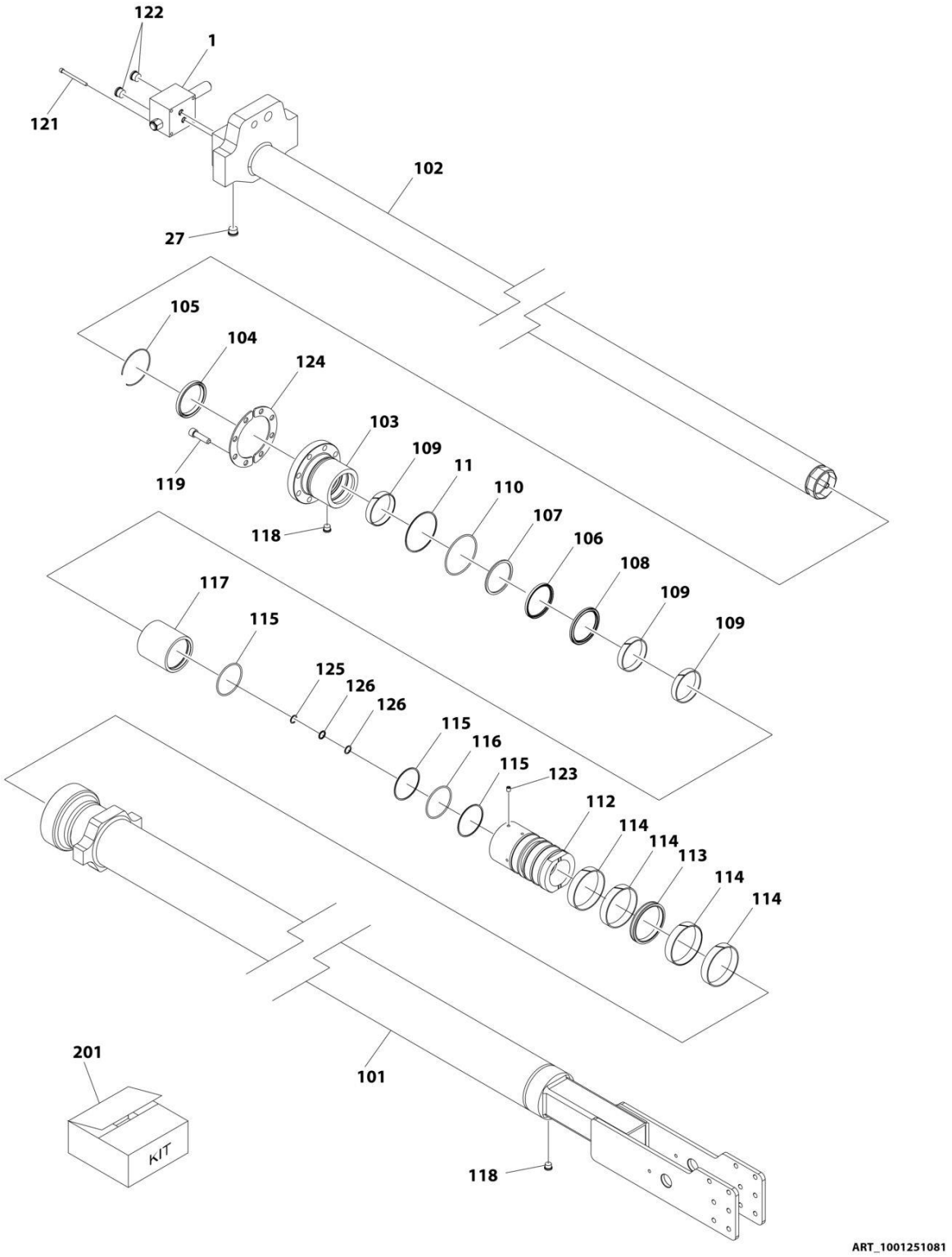


FIGURE 6-15. TELESCOPE CYLINDER ASSEMBLY (800S HC3) (SN 0300296333 to Present, Including 0300295806)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251081	Ref	TELESCOPE CYLINDER ASSEMBLY	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	4641033	1	Valve Assembly (No Serviceable Parts - Sold as Assembly Only)	
101	SEE NOTE	NSS	Barrel (Note: Not Available for Purchase)	
102	70008080	1	Rod	
103	70007977	1	Head	
104	SEE NOTE	NSS	Wiper, Dust (Note: Use Item 201)	
105	70023379	1	Ring, Retaining	
106	SEE NOTE	NSS	Seal, Rod (Note: Use Item 201)	
107	SEE NOTE	NSS	Ring, Backup (Note: Use Item 201)	
108	SEE NOTE	NSS	Ring, Buffer (Note: Use Item 201)	
109	SEE NOTE	NSS	Ring, Wear (Note: Use Item 201)	
110	SEE NOTE	NSS	O-Ring (Note: Use Item 201)	
111	SEE NOTE	NSS	Ring, Backup (Note: Use Item 201)	
112	70008081	1	Piston	
113	SEE NOTE	NSS	Seal, Piston (Note: Use Item 201)	
114	SEE NOTE	NSS	Ring, Wear (Note: Use Item 201)	
115	SEE NOTE	NSS	O-Ring (Note: Use Item 201)	
116	SEE NOTE	NSS	Ring, Backup (Note: Use Item 201)	
117	70008082	1	Spacer	
118	2220885	2	Plug 9/16	
119	70007980	8	Bolt M12 X 45	
121	70007981	4	Bolt M6 X 75	
122	2220886	3	Plug 3/4	
123	70005839	1	Screw, Set	
124	70007982	2	Ring, Washer	
125	SEE NOTE	NSS	O-Ring (Note: Use Item 201)	
126	SEE NOTE	NSS	Ring, Backup (Note: Use Item 201)	
201	70007983	1	Seal, Kit (Includes 104, 106-111, 113-116, 125, 126)	

SECTION 6 - CYLINDER

FIGURE 6-16. TELESCOPE CYLINDER ASSEMBLY (860SJ HC3)

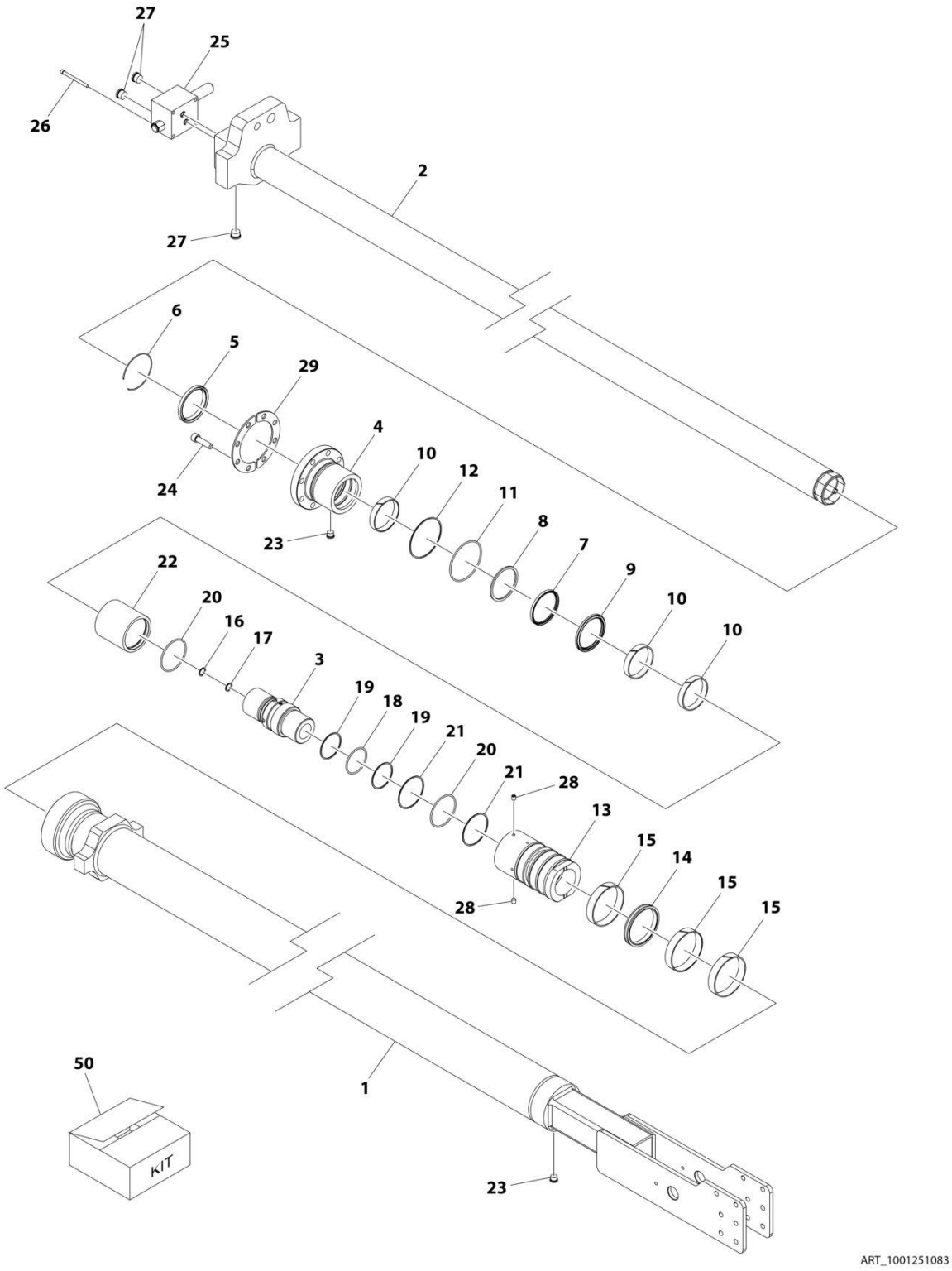


FIGURE 6-16. TELESCOPE CYLINDER ASSEMBLY (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251083	Ref	TELESCOPE CYLINDER ASSEMBLY	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 (Note: Use PN 1001251083)	
2	70007975	1	Rod	
3	70007976	1	End, Rod	
4	70007977	1	Head	
5	See Note	NSS	Wiper (Note: Use Item 50)	
6	70023379	1	Ring, Retaining	
7	See Note	NSS	Seal, Rod (Note: Use Item 50)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
9	See Note	NSS	Ring (Note: Use Item 50)	
10	See Note	NSS	Ring, Wear (Note: Use Item 50)	
11	See Note	NSS	O-Ring (Note: Use Item 50)	
12	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
13	70007978	1	Piston	
14	See Note	NSS	Seal, Piston (Note: Use Item 50)	
15	See Note	NSS	Ring, Wear (Note: Use Item 50)	
16	See Note	NSS	O-Ring (Note: Use Item 50)	
17	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
18	See Note	NSS	Ring (Note: Use Item 50)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
20	See Note	NSS	O-Ring (Note: Use Item 50)	
21	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
22	70007979	1	Spacer	
23	2220885	2	Plug 9/16	
24	70007980	8	Bolt M12 x 45	
25	4641033	1	Cartridge, Valve - Counterbalance	
25	7024508	1	Seal Kit - 4641033 Valve	
26	70007981	4	Bolt M6 x 75	
27	2220886	3	Plug 3/4	
28	70005839	2	Setscrew M8 x 1-1/4	
29	70007982	2	Ring, Washer	
50	70007983	1	Seal Kit - 1001251083 Cylinder (Includes Items 5, 7-12 & 14-21)	

SECTION 7 - HYDRAULIC

FIGURE 7-1. HYDRAULIC DIAGRAM - AXLE (OSCILLATING)

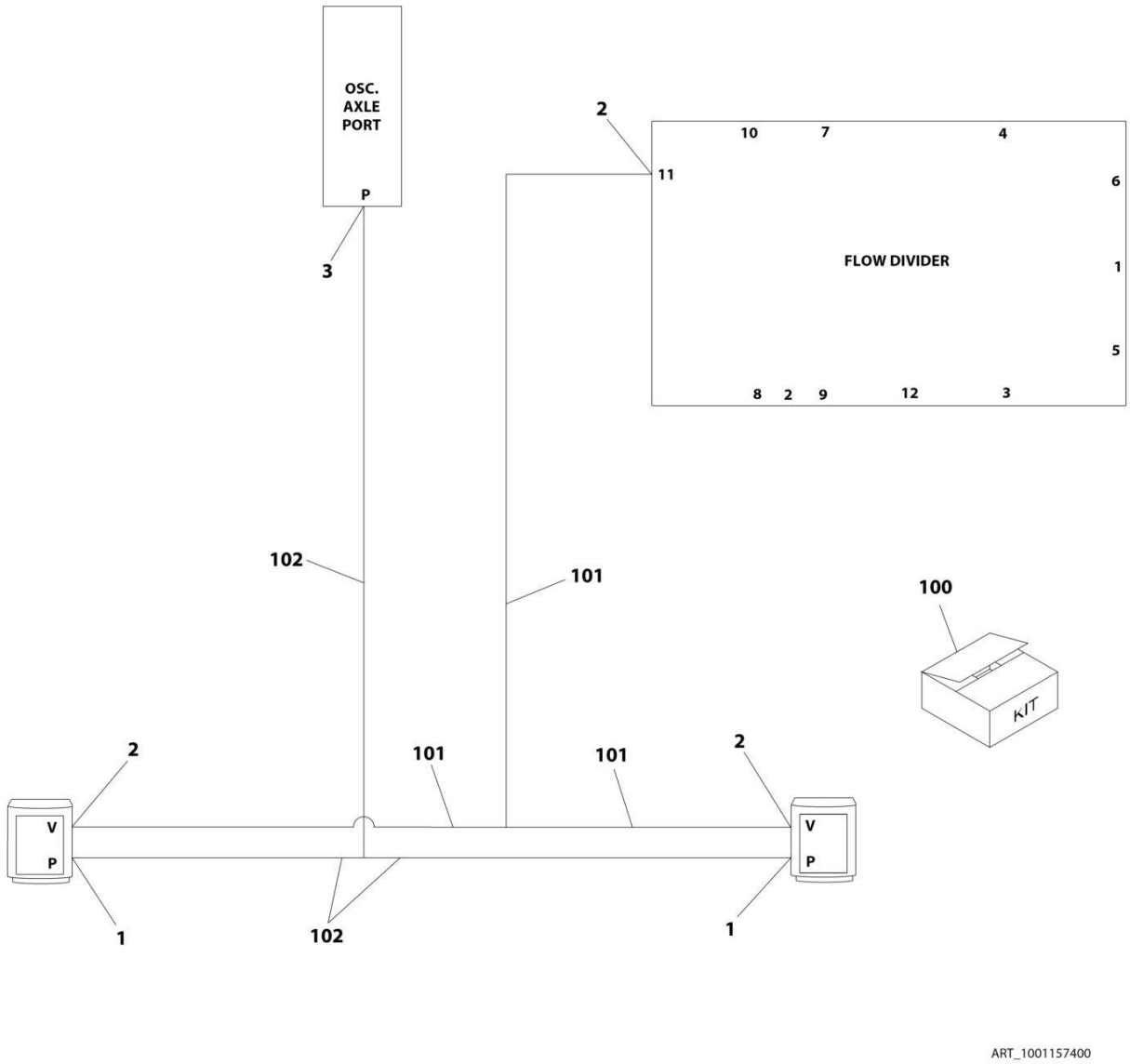
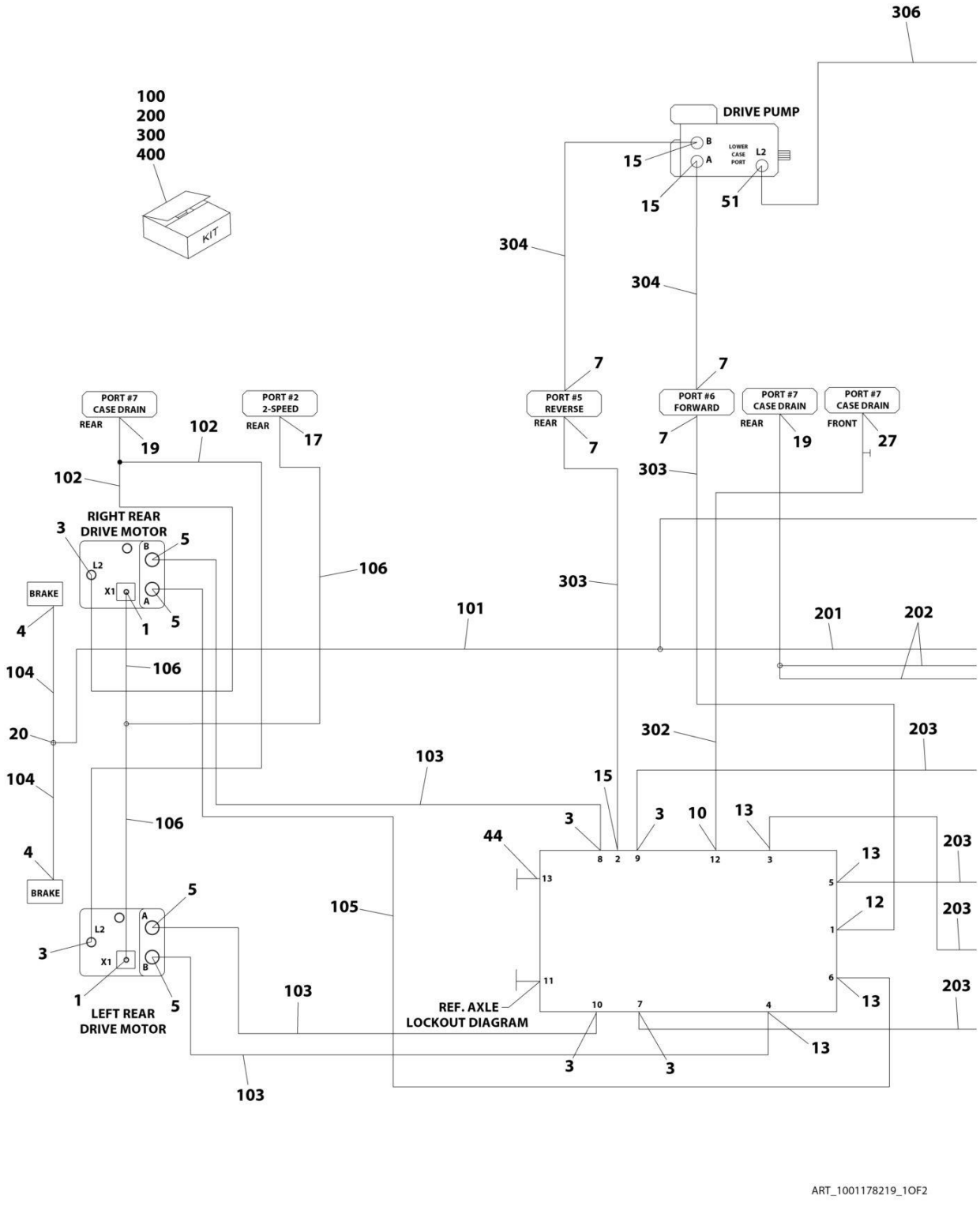
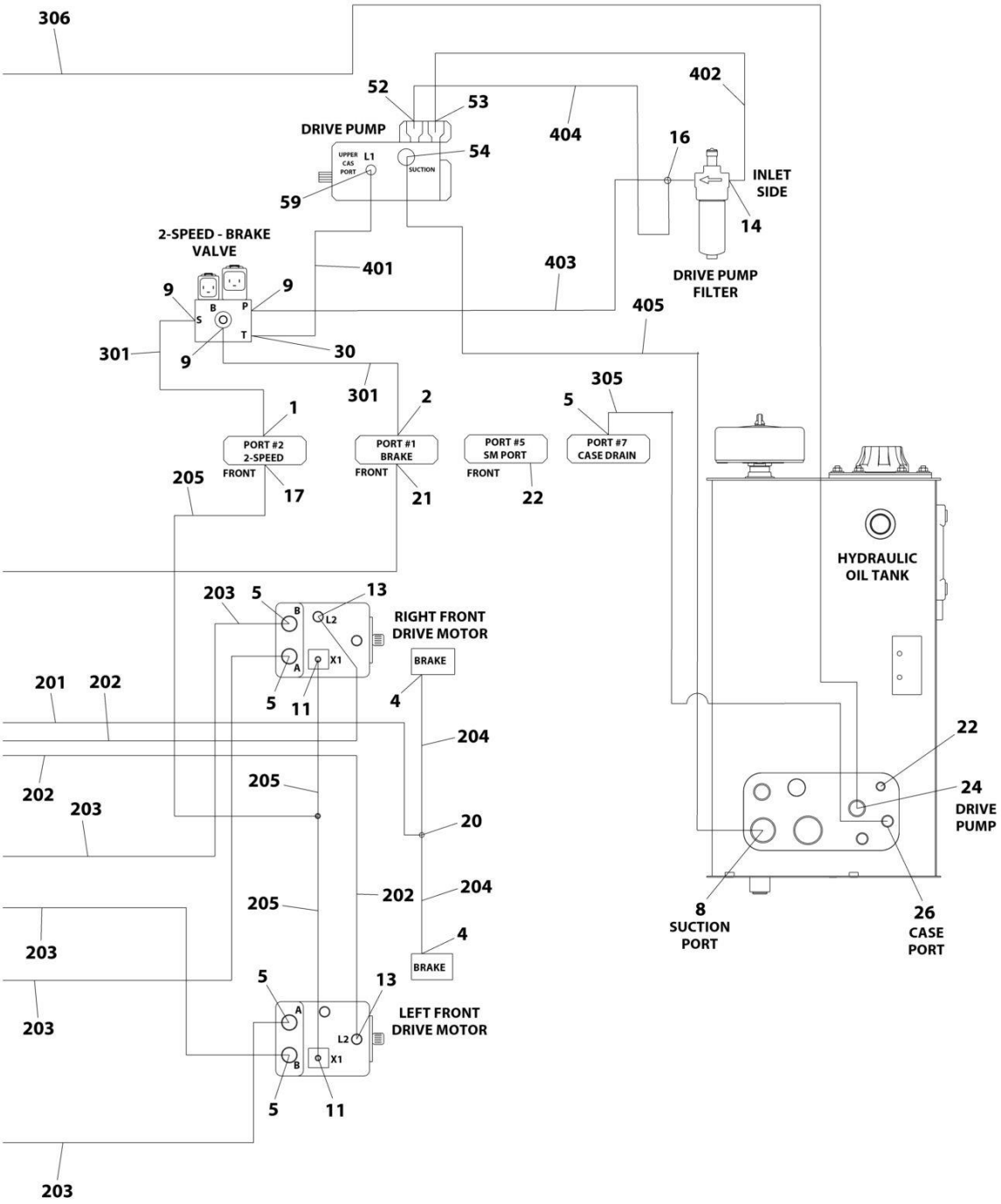


FIGURE 7-1. HYDRAULIC DIAGRAM - AXLE (OSCILLATING)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157400	Ref	AXLE LOCKOUT HYDRAULIC DIAGRAM	G
1	2110404	2	Fitting, Straight ORFS/ORB	
2	2110606	3	Fitting, Straight ORFS/ORB	
3	2110408	1	Fitting, Straight ORFS/ORB	
100	1001270068	1	Hose Lockout Kit	
101	1001198336	1	Hose with Crimped Tee	
102	1001198339	1	Hose with Crimped Tee	

FIGURE 7-2. HYDRAULIC DIAGRAM - DRIVE (4WD WITHOUT ARCTIC PACKAGE)





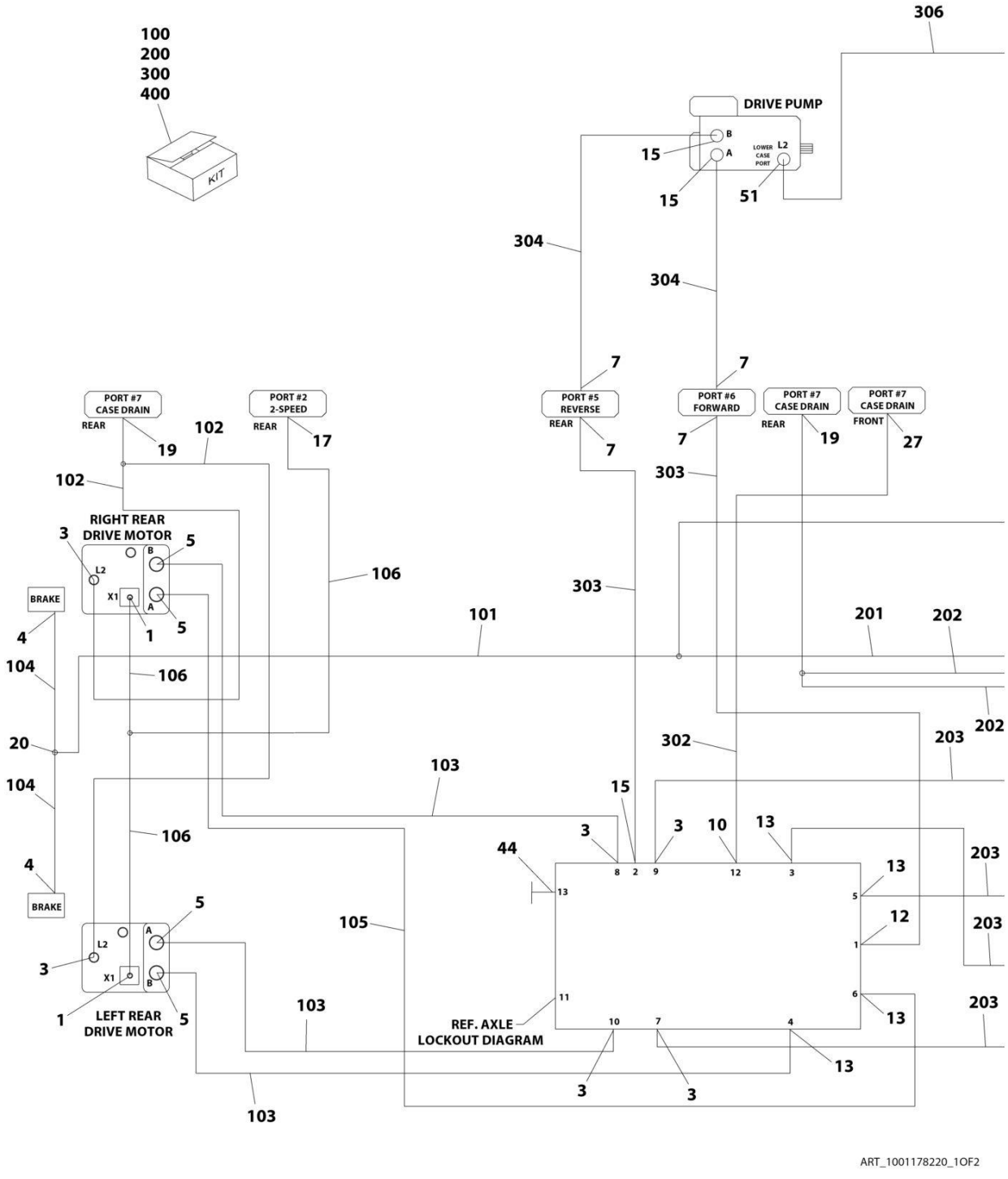
ART_1001178219_2OF2

FIGURE 7-2. HYDRAULIC DIAGRAM - DRIVE (4WD WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178219	Ref	HYDRAULIC DIAGRAM - DRIVE (4WD)	E
1	2110406	3	Fitting, Straight ORFS/ORB	
2	2110408	1	Fitting, Straight ORFS/ORB	
3	2110808	7	Fitting, Straight ORFS/ORB	
4	2110404	4	Fitting, Straight ORFS/ORB	
5	2110812	9	Fitting, Straight ORFS/ORB	
7	2111616	4	Fitting, Straight ORFS/ORB	
8	2112020	1	Fitting, Straight ORFS/ORB	
9	2130404	3	Fitting, 90 ORFS/ORB	
10	2130604	1	Fitting, 90 ORFS/ORB	
11	2130406	2	Fitting, 90 ORFS/ORB	
12	2151616	1	Fitting, 90 ORFS/ORB	
13	2130808	6	Fitting, 90 ORFS/ORB	
14	2131012	1	Fitting, 90 ORFS/ORB	
15	2131616	3	Fitting, 90 ORFS/ORB	
16	1001198337	1	Fitting, Tee ORFS/ORB-RUN	
17	2150406	2	Fitting, 45 ORFS/ORB	
19	2170408	2	Fitting, Tee ORFS/ORB/ORFS	
20	2170504	2	Fitting, Tee ORFS/ORFS/ORFS	
21	1001198338	1	Fitting, Tee ORFS/SORB/ORFS	
22	2220237	2	Fitting, Plug ORB	
24	2111212	1	Fitting, Straight ORFS/ORB	
27	2130606	1	Fitting, 90 ORFS/ORB	
30	2170204	1	Fitting, 90 ORFS/ORB	
44	2220238	1	Plug	
51	2131212	1	Fitting, 90 ORFS/ORB	
52	2110810	1	Fitting, Straight ORFS/ORB	
53	2111016	1	Fitting, Straight ORFS/ORB	
54	2132016	1	Fitting, 90 ORFS/ORB	
59	1001199396	1	Fitting, 90 ORFS/SORB	
100	1001270069	1	Arctic Towbar Hose Kit	
101	2753622	1	Hose	
102	2753686	2	Hose	
103	2753971	3	Hose	
104	2754337	2	Hose	
105	2754338	1	Hose	
106	1001198340	1	Hose with Crimped Tee	
200	1001270070	1	Front Hose Kit	
201	2753542	1	Hose	
202	2753628	2	Hose	
203	2753970	4	Hose	
204	2754512	2	Hose	
205	1001198341	1	Hose with Crimped Tee	
300	1001270071	1	Arctic Turntable Hose Kit	
301	2753540	2	Hose	
302	2753626	1	Hose	
303	2753634	2	Hose	
304	2753667	2	Hose	
305	2753685	1	Hose	
306	2753699	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
400	1001270072	1	Arctic Turntable Hose Kit	
401	2753555	1	Hose	
402	2753768	1	Hose	
403	1001095307	1	Hose	
404	1001095308	1	Hose	
405	1001157866	1	Hose	

FIGURE 7-3. HYDRAULIC DIAGRAM - DRIVE (4WD WITH ARCTIC PACKAGE)



ART_1001178220_1OF2

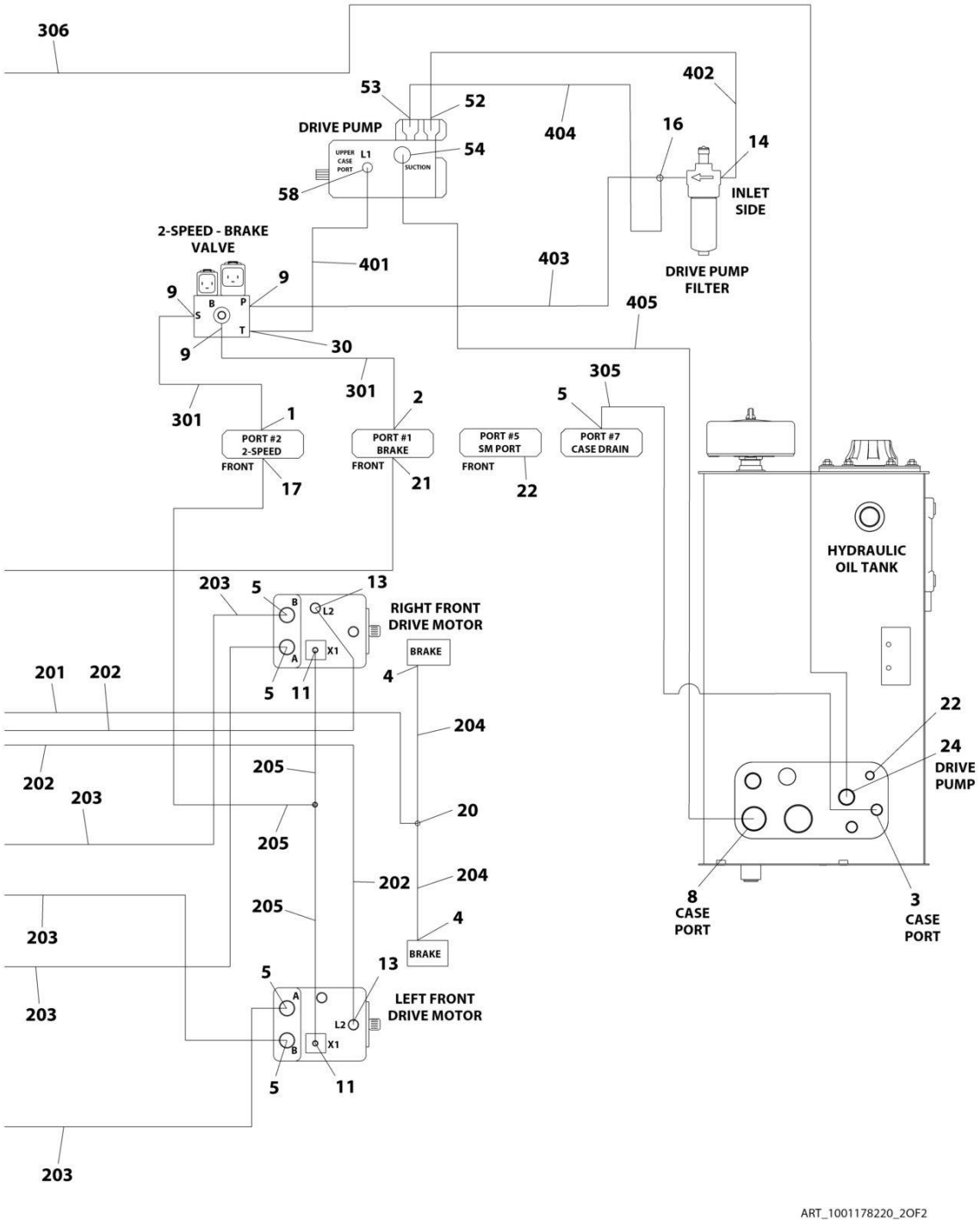
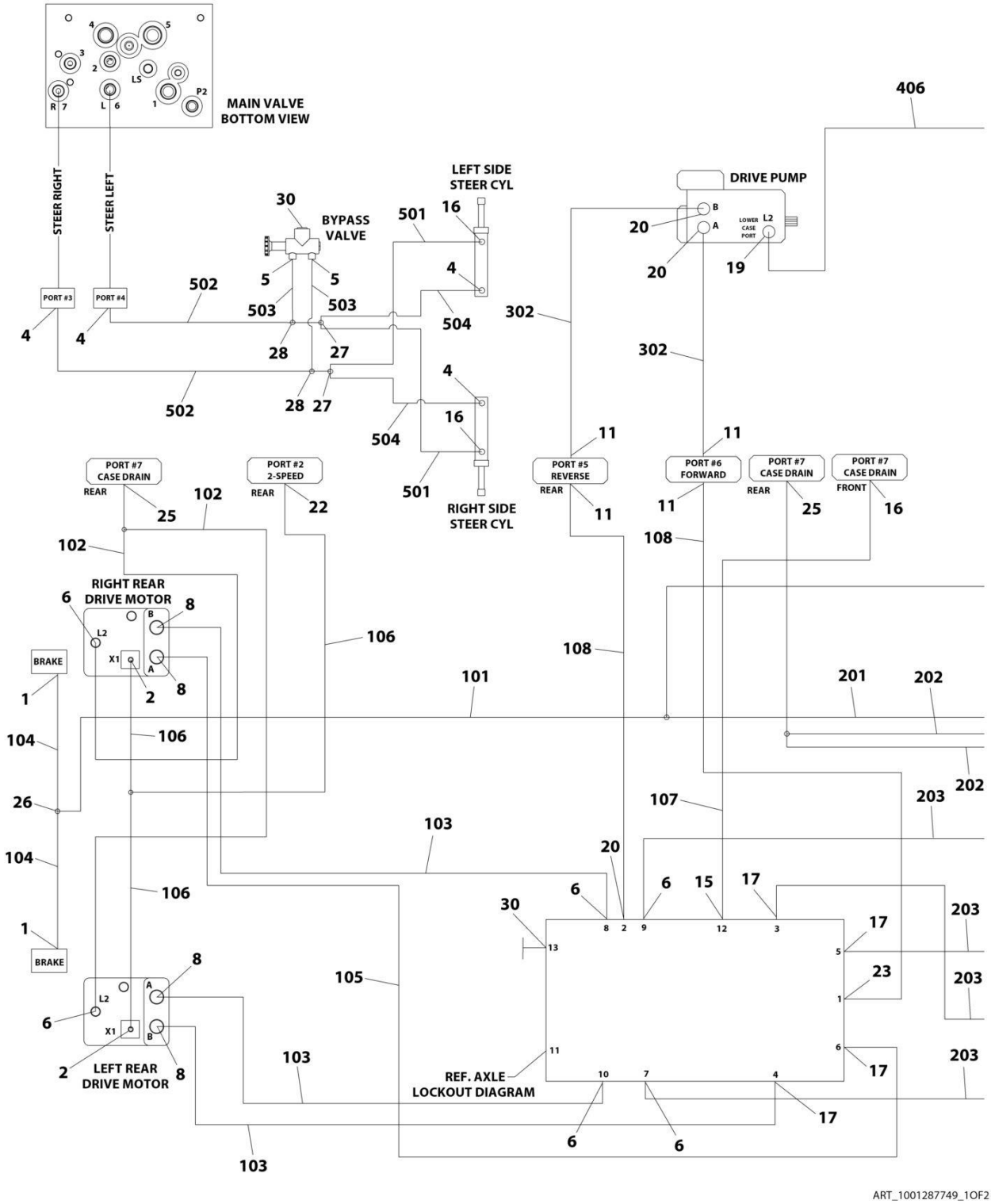

306
53
52
402
DRIVE PUMP
404
16
14
54
UPPER CASE PORT
L1
SUCTION
58
INLET SIDE
2-SPEED - BRAKE VALVE
401
403
DRIVE PUMP FILTER
9
9
B
P
S
T
9
30
405
305
301
2
5
301
1
PORT #2 2-SPEED
FRONT
17
PORT #1 BRAKE
FRONT
21
PORT #5 SM PORT
FRONT
22
PORT #7 CASE DRAIN
HYDRAULIC OIL TANK
203
5
13
B
L2
RIGHT FRONT DRIVE MOTOR
A
X1
BRAKE
4
5
11
201
202
204
22
24
DRIVE PUMP
205
202
203
20
205
202
204
205
4
203
BRAKE
5
13
A
LEFT FRONT DRIVE MOTOR
L2
B
X1
203
5
11
8
CASE PORT
3
CASE PORT
203
ART_1001178220_2OF2

FIGURE 7-3. HYDRAULIC DIAGRAM - DRIVE (4WD WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178220	Ref	HYDRAULIC DIAGRAM - DRIVE (4WD)	F
1	2110406	3	Fitting, Straight ORFS/ORB	
2	2110408	1	Fitting, Straight ORFS/ORB	
3	2110808	7	Fitting, Straight ORFS/ORB	
4	2110404	4	Fitting, Straight ORFS/ORB	
5	2110812	9	Fitting, Straight ORFS/ORB	
7	2111616	4	Fitting, Straight ORFS/ORB	
8	2112020	1	Fitting, Straight ORFS/ORB	
9	2130404	3	Fitting, 90 ORFS/ORB	
10	2130604	1	Fitting, 90 ORFS/ORB	
11	2130406	2	Fitting, 90 ORFS/ORB	
12	2151616	1	Fitting, 90 ORFS/ORB	
13	2130808	6	Fitting, 90 ORFS/ORB	
14	2131012	1	Fitting, 90 ORFS/ORB	
15	2131616	3	Fitting, 90 ORFS/ORB	
16	1001198337	1	Fitting, Tee ORFS/ORB-RUN	
17	2150406	2	Fitting, 45 ORFS/ORB	
19	2170408	2	Fitting, Tee ORFS/ORB/ORFS	
20	2170504	2	Fitting, Tee ORFS/ORFS/ORFS	
21	1001198338	1	Fitting, Tee ORFS/SORB/ORFS	
22	2220237	2	Fitting, Plug ORB	
24	2111212	1	Fitting, Straight ORFS/ORB	
27	2130606	1	Fitting, 90 ORFS/ORB	
30	2170204	1	Fitting, 90 ORFS/ORB	
44	2220238	1	Hose	
51	2131212	1	Fitting, 90 ORFS/ORB	
52	2111016	1	Fitting, Straight ORFS/ORB	
53	2110810	1	Fitting, Straight ORFS/ORB	
54	2132016	1	Fitting, 90 ORFS/ORB	
58	1001199396	1	Fitting, 90 ORFS/SORB	
100	1001270069	1	Arctic Towbar Hose Kit	
101	2753622	1	Hose	
102	2753686	2	Hose	
103	2753971	3	Hose	
104	2754337	2	Hose	
105	2754338	1	Hose	
106	1001198340	1	Hose with Crimped Tee	
200	1001270073	1	Arctic Towbar Hose Kit	
201	2753542	1	Hose	
202	2754720	2	Hose	
203	2754743	4	Hose	
204	1001106957	2	Hose	
205	1001204269	1	Hose with Crimped Tee	
300	1001270071	1	Arctic Turntable Hose Kit	
301	2753540	2	Hose	
302	2753626	1	Hose	
303	2753634	2	Hose	
304	2753667	2	Hose	
305	2753685	1	Hose	
306	2753699	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
400	1001270072	1	Arctic Turntable Hose Kit	
401	2753555	1	Hose	
402	2753768	1	Hose	
403	1001095307	1	Hose	
404	1001095308	1	Hose	
405	1001157866	1	Hose	

FIGURE 7-4. HYDRAULIC DIAGRAM - DRIVE (4WD WITH TOW BAR PACKAGE)



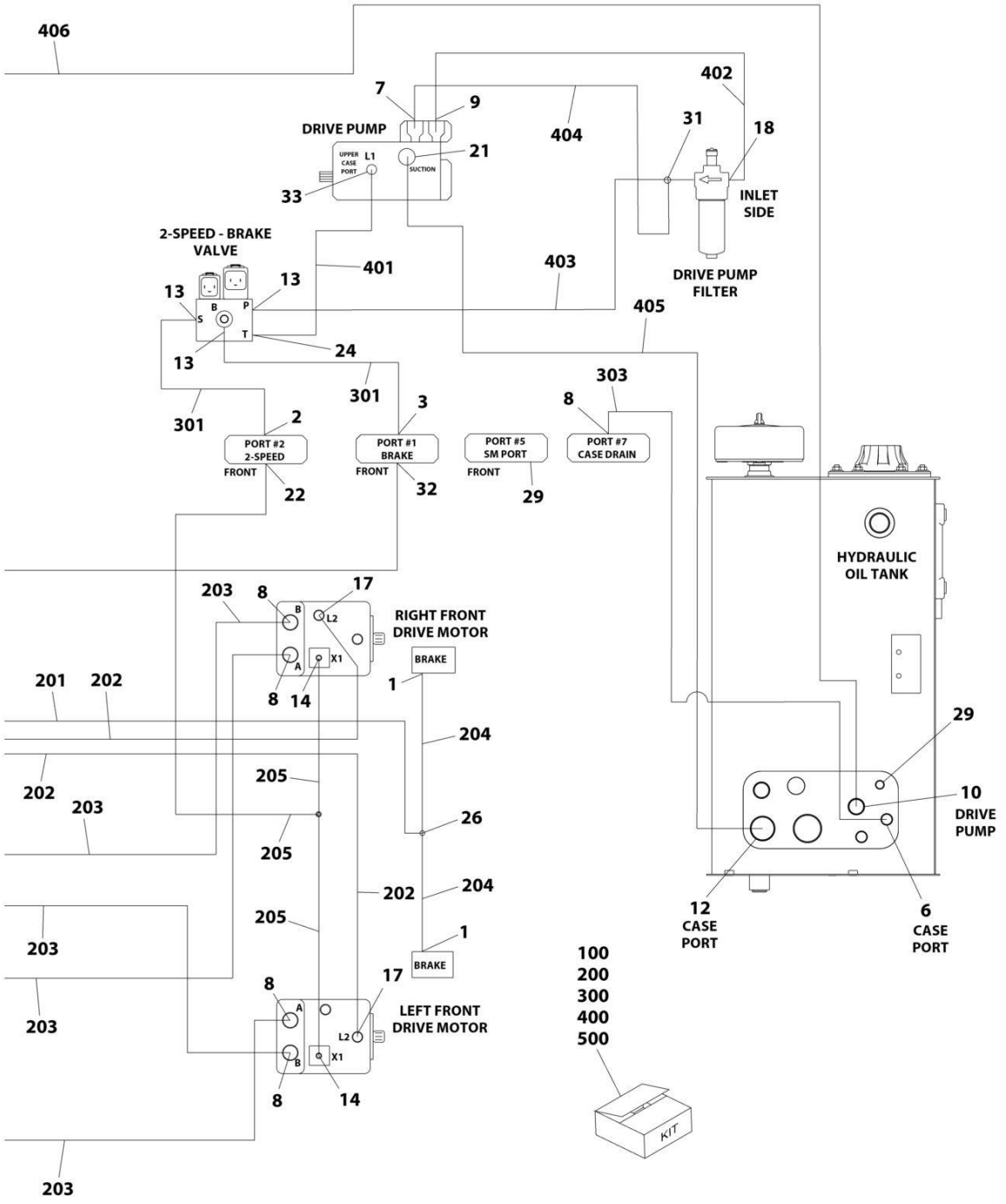
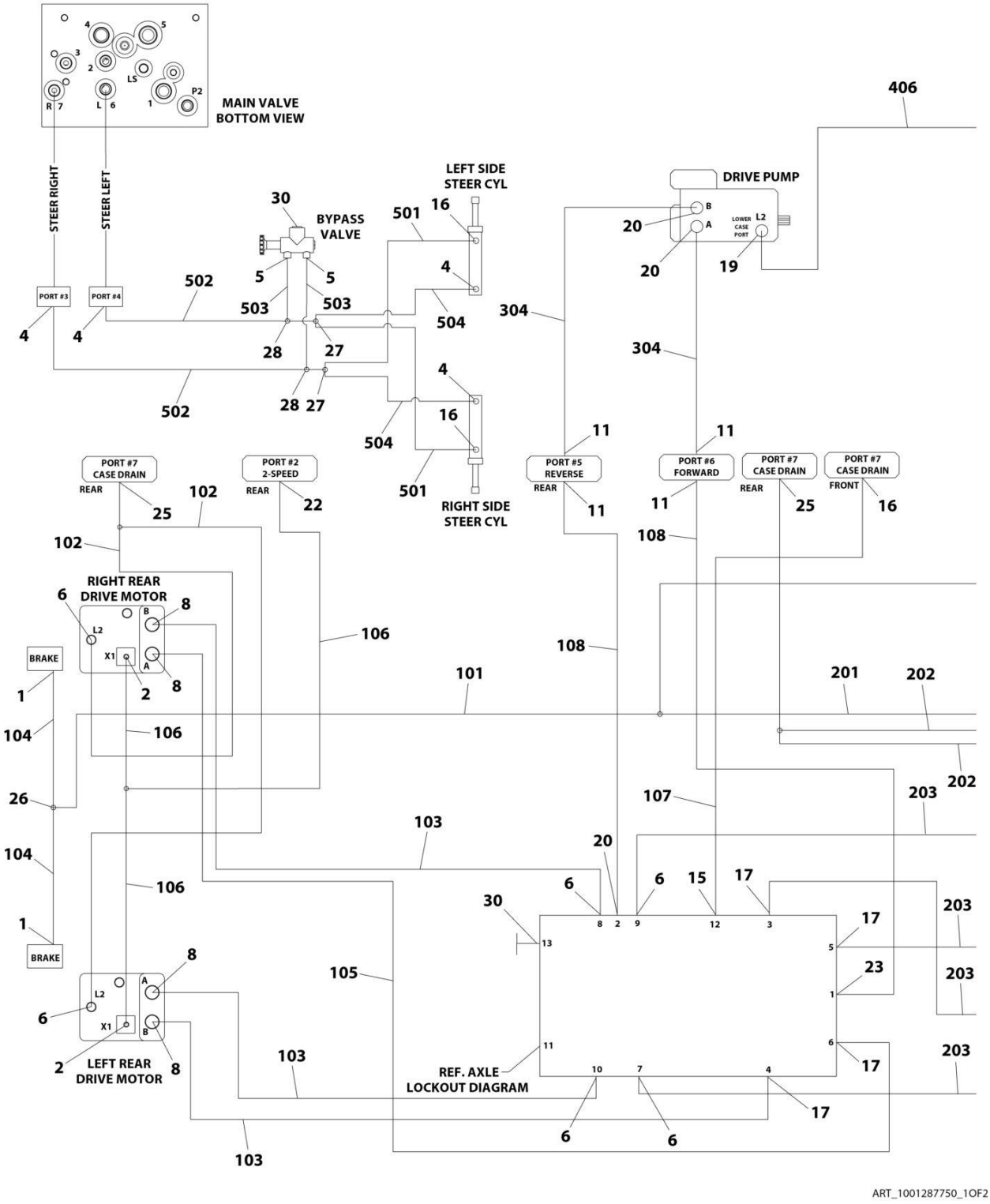

406
7
9
DRIVE PUMP
UPPER CASE PORT
L1
SUCTION
21
33
404
402
31
18
INLET SIDE
DRIVE PUMP FILTER
403
401
2-SPEED - BRAKE VALVE
13
13
B
P
S
T
13
24
405
303
8
301
301
2
3
PORT #2 2-SPEED
FRONT
22
PORT #1 BRAKE
FRONT
32
PORT #5 SM PORT
FRONT
29
PORT #7 CASE DRAIN
HYDRAULIC OIL TANK
203
8
17
B
L2
A
X1
8
14
RIGHT FRONT DRIVE MOTOR
BRAKE
1
201
202
204
205
202
203
26
205
29
10
DRIVE PUMP
202
204
205
1
BRAKE
203
203
8
17
A
L2
B
X1
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14
LEFT FRONT DRIVE MOTOR
203
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CASE PORT
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CASE PORT
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200
300
400
500
KIT
ART_1001287749_2OF2

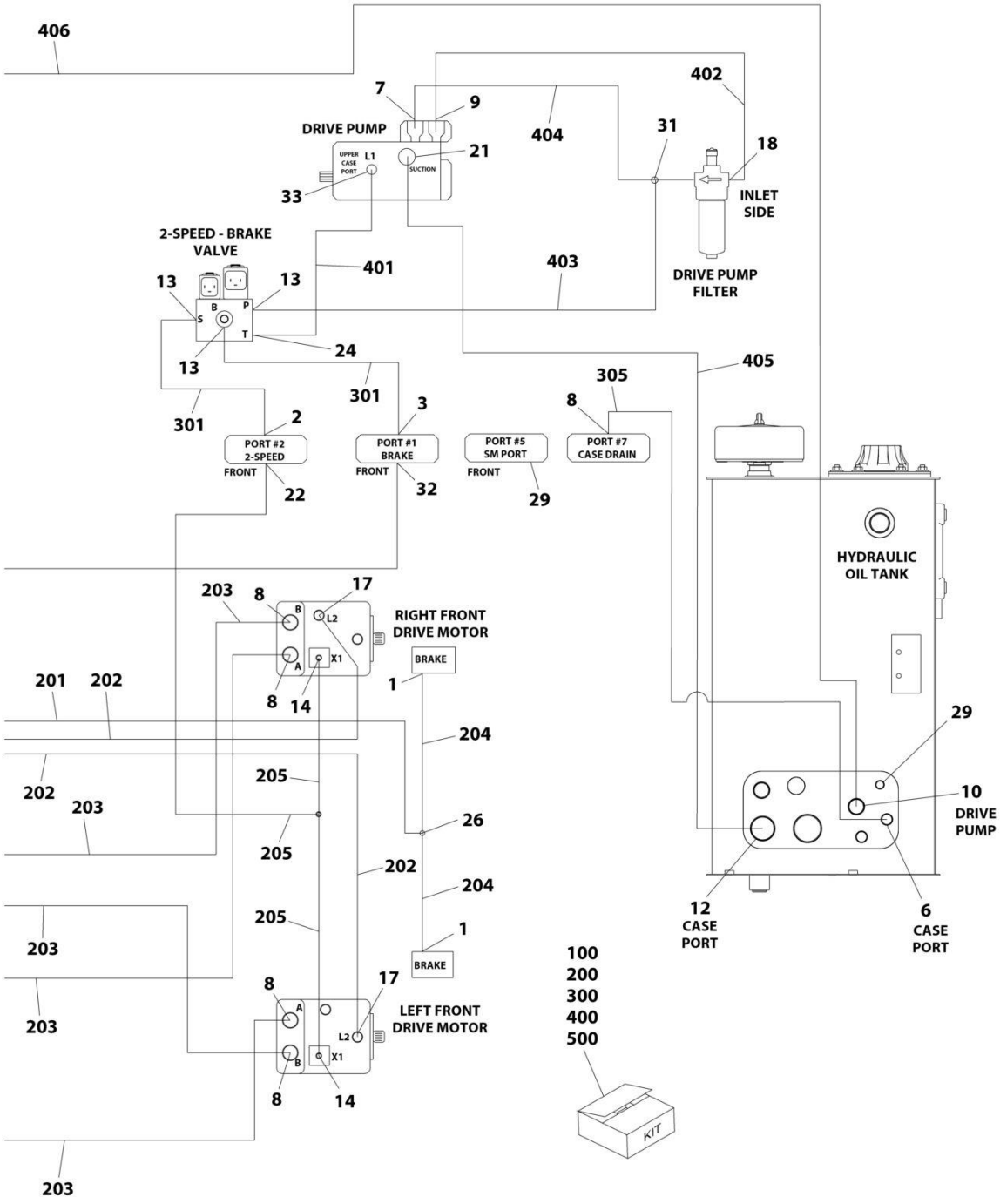
FIGURE 7-4. HYDRAULIC DIAGRAM - DRIVE (4WD WITH TOW BAR PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287749	Ref	HYDRAULIC DIAGRAM - DRIVE (4WD)	A
1	2110404	4	Fitting, Straight ORFS/ORB	
2	2110406	3	Fitting, Straight ORFS/ORB	
3	2110408	1	Fitting, Straight ORFS/ORB	
4	2110606	4	Fitting, Straight ORFS/ORB	
5	2110608	2	Fitting, Straight ORFS/ORB	
6	2110808	7	Fitting, Straight ORFS/ORB	
7	2110810	1	Fitting, Straight ORFS/ORB	
8	2110812	9	Fitting, Straight ORFS/ORB	
9	2111016	1	Fitting, Straight ORFS/ORB	
10	2111212	1	Fitting, Straight ORFS/ORB	
11	2111616	4	Fitting, Straight ORFS/ORB	
12	2112020	1	Fitting, Straight ORFS/ORB	
13	2130404	3	Fitting, 90 ORFS/ORB	
14	2130406	2	Fitting, 90 ORFS/ORB	
15	2130604	1	Fitting, 90 ORFS/ORB	
16	2130606	3	Fitting, 90 ORFS/ORB	
17	2130808	6	Fitting, 90 ORFS/ORB	
18	2131012	1	Fitting, 90 ORFS/ORB	
19	2131212	1	Fitting, 90 ORFS/ORB	
20	2131616	3	Fitting, 90 ORFS/ORB	
21	2132016	1	Fitting, 90 ORFS/ORB	
22	2150406	2	Fitting, 45 ORFS/ORB	
23	2151616	1	Fitting, 90 ORFS/ORB	
24	2170204	1	Fitting, 90 ORFS/ORB	
25	2170408	2	Fitting, Tee ORFS/ORB/ORFS	
26	2170504	2	Fitting, Tee ORFS/ORFS/ORFS	
27	2170506	2	Fitting, Tee ORFS/ORFS/ORFS	
28	2170706	2	Fitting, Tee ORFS/FSORFS/ORFS	
29	2220237	2	Fitting, Plug ORB	
30	2220238	2	Hose	
31	1001198337	1	Fitting, Tee ORFS/ORB-RUN	
32	1001198338	1	Fitting, Tee ORFS/SORB/ORFS	
33	1001199396	1	Fitting, 90 ORFS/SORB	
100	1001270069	1	Arctic Towbar Hose Kit	
101	2753622	1	Hose	
102	2753686	2	Hose	
103	2753971	3	Hose	
104	2754337	2	Hose	
105	2754338	1	Hose	
106	1001198340	1	Hose with Crimped Tee	
107	2753626	1	Hose	
108	2753634	2	Hose	
200	1001270070	1	Front Hose Kit	
201	2753542	1	Hose	
202	2753628	2	Hose	
203	2753970	4	Hose	
204	2754512	2	Hose	
205	1001198341	1	Hose	
300	1001270071	1	Arctic Turntable Hose Kit	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301	2753540	2	Hose	
302	2753667	2	Hose	
303	2753685	1	Hose	
400	1001270072	1	Arctic Turntable Hose Kit	
401	2753555	1	Hose	
402	2753768	1	Hose	
403	1001095307	1	Hose	
404	1001095308	1	Hose	
405	1001157866	1	Hose	
406	2753699	1	Hose	
500	1001270077	1	Towbar Front Hose Kit	
501	2753656	2	Hose	
502	2753732	2	Hose	
503	2753879	2	Hose	
504	1001159340	2	Hose	

FIGURE 7-5. HYDRAULIC DIAGRAM - DRIVE (4WD WITH ARCTIC & TOW BAR PACKAGE)





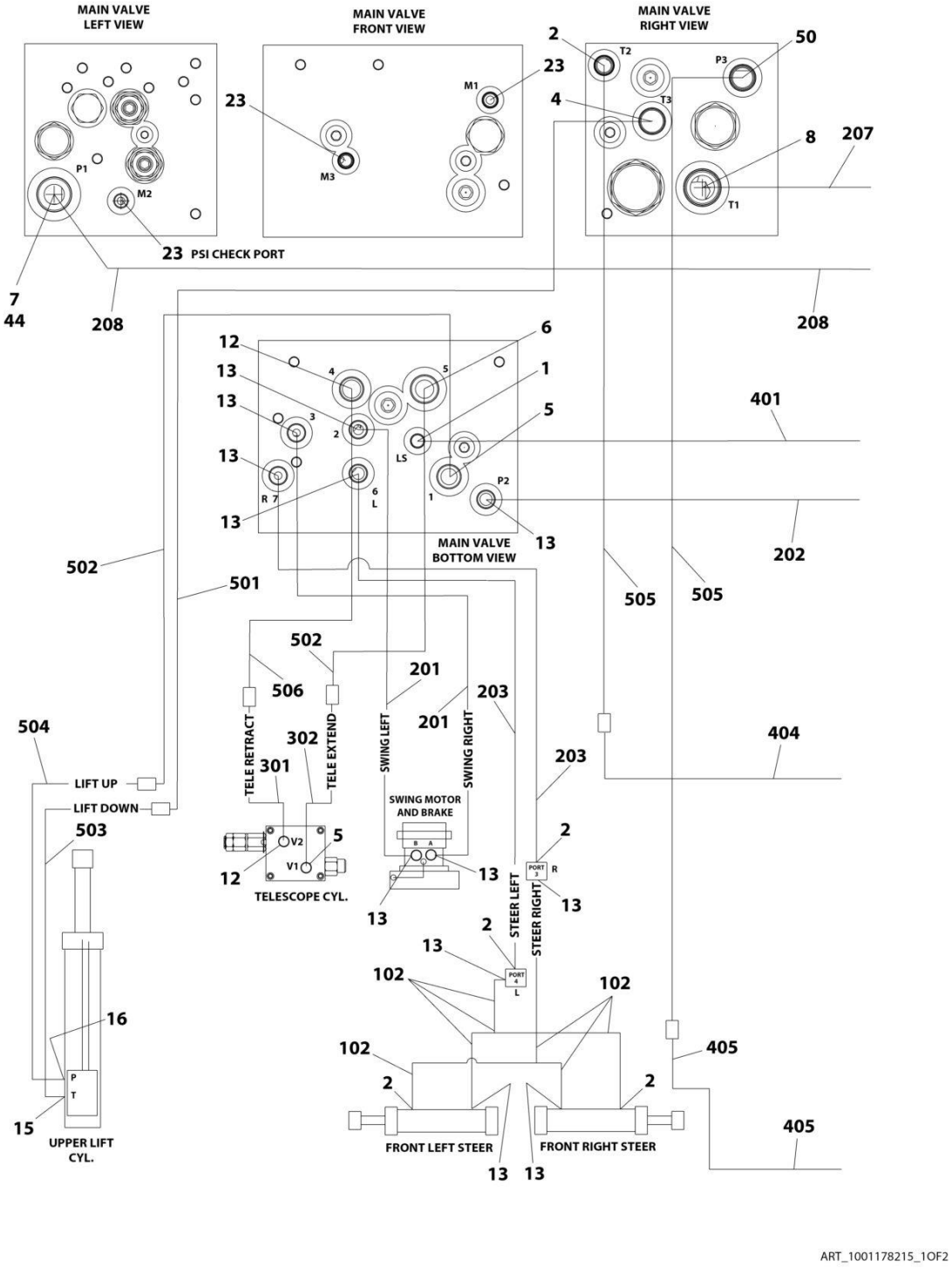
ART_1001287750_2OF2

FIGURE 7-5. HYDRAULIC DIAGRAM - DRIVE (4WD WITH ARCTIC & TOW BAR PACKAGE)

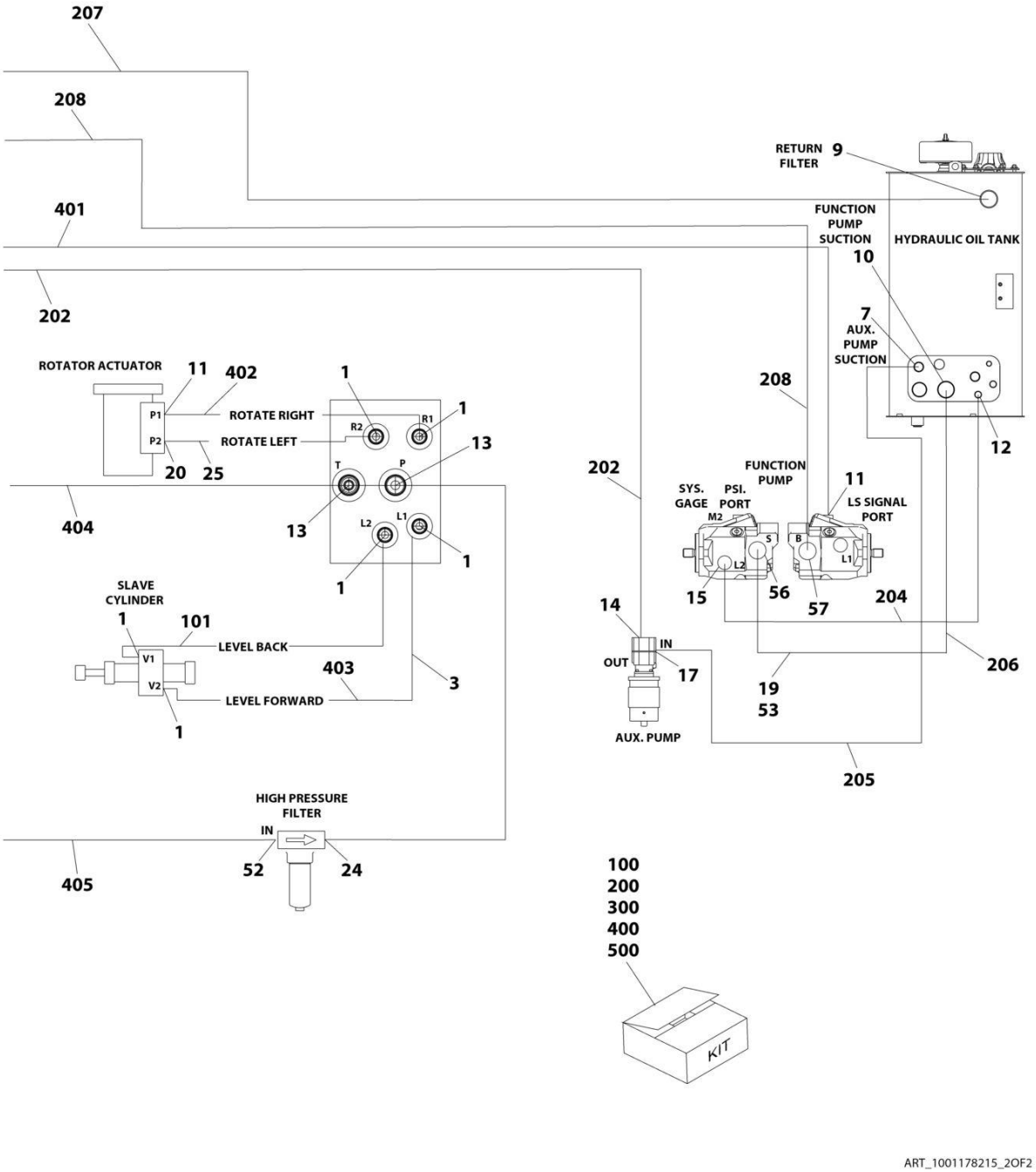
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287750	Ref	HYDRAULIC DIAGRAM - DRIVE (4WD)	A
1	2110404	4	Fitting, Straight ORFS/ORB	
2	2110406	3	Fitting, Straight ORFS/ORB	
3	2110408	1	Fitting, Straight ORFS/ORB	
4	2110606	4	Fitting, Straight ORFS/ORB	
5	2110608	2	Fitting, Straight ORFS/ORB	
6	2110808	7	Fitting, Straight ORFS/ORB	
7	2110810	1	Fitting, Straight ORFS/ORB	
8	2110812	9	Fitting, Straight ORFS/ORB	
9	2111016	1	Fitting, Straight ORFS/ORB	
10	2111212	1	Fitting, Straight ORFS/ORB	
11	2111616	4	Fitting, Straight ORFS/ORB	
12	2112020	1	Fitting, Straight ORFS/ORB	
13	2130404	3	Fitting, 90 ORFS/ORB	
14	2130406	2	Fitting, 90 ORFS/ORB	
15	2130604	1	Fitting, 90 ORFS/ORB	
16	2130606	3	Fitting, 90 ORFS/ORB	
17	2130808	6	Fitting, 90 ORFS/ORB	
18	2131012	1	Fitting, 90 ORFS/ORB	
19	2131212	1	Fitting, 90 ORFS/ORB	
20	2131616	3	Fitting, 90 ORFS/ORB	
21	2132016	1	Fitting, 90 ORFS/ORB	
22	2150406	2	Fitting, 45 ORFS/ORB	
23	2151616	1	Fitting, 90 ORFS/ORB	
24	2170204	1	Fitting, 90 ORFS/ORB	
25	2170408	2	Fitting, Tee ORFS/ORB/ORFS	
26	2170504	2	Fitting, Tee ORFS/ORFS/ORFS	
27	2170506	2	Fitting, Tee ORFS/ORFS/ORFS	
28	2170706	2	Fitting, Tee ORFS/FSORFS/ORFS	
29	2220237	2	Fitting, Plug ORB	
30	2220238	1	Hose	
31	1001198337	1	Fitting, Tee ORFS/ORB-RUN	
32	1001198338	1	Fitting, Tee ORFS/SORB/ORFS	
33	1001199396	1	Fitting, 90 ORFS/SORB	
100	1001270069	1	Arctic Towbar Hose Kit	
101	2753622	1	Hose	
102	2753686	2	Hose	
103	2753971	3	Hose	
104	2754337	2	Hose	
105	2754338	1	Hose	
106	1001198340	1	Hose with Crimped Tee	
107	2753626	1	Hose	
108	2753634	2	Hose	
200	1001270073	1	Arctic Towbar Hose Kit	
201	2753542	1	Hose	
202	2754720	2	Hose	
203	2754743	4	Hose	
204	1001106957	2	Hose	
205	1001204269	1	Hose with Crimped Tee	
300	1001270071	1	Arctic Turntable Hose Kit	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301	2753540	2	Hose	
304	2753667	2	Hose	
305	2753685	1	Hose	
400	1001270072	1	Arctic Turntable Hose Kit	
401	2753555	1	Hose	
402	2753768	1	Hose	
403	1001095307	1	Hose	
404	1001095308	1	Hose	
405	1001157866	1	Hose	
406	2753699	1	Hose	
500	1001270077	1	Towbar Front Hose Kit	
501	2753656	2	Hose	
502	2753732	2	Hose	
503	2753879	2	Hose	
504	1001159340	2	Hose	

FIGURE 7-6. HYDRAULIC DIAGRAM - STANDARD (WITHOUT TOW BAR PACKAGE) (SN STARTING WITH 03) (800S HC3)



ART_1001178215_1OF2



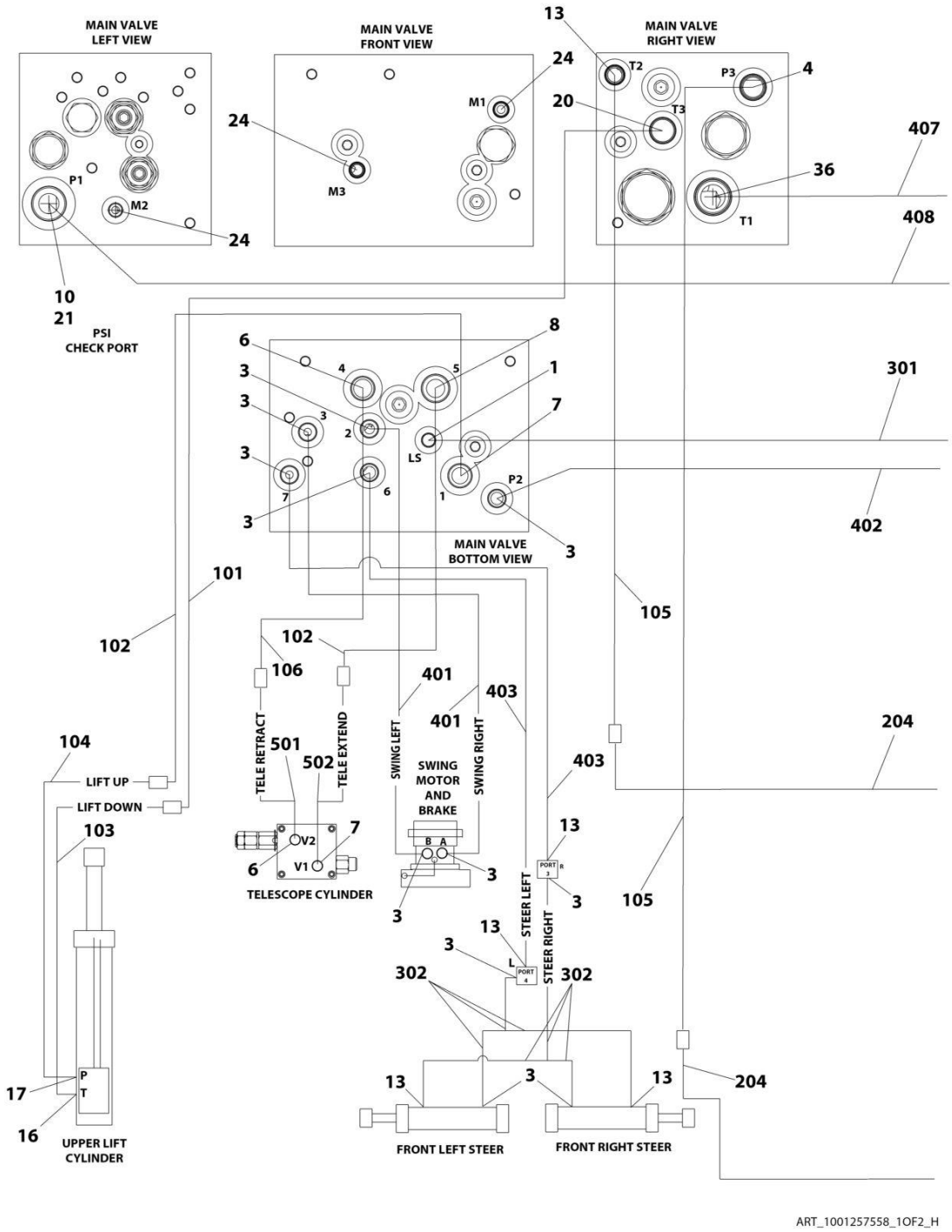
ART_1001178215_2OF2

FIGURE 7-6. HYDRAULIC DIAGRAM - STANDARD (WITHOUT TOW BAR PACKAGE) (SN STARTING WITH 03) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178215	Ref	STANDARD HYDRAULIC DIAGRAM	L
1	2110404	7	Fitting, Straight ORFS/ORB	
2	2110606	5	Fitting, Straight ORFS/ORB	
3	2717059	1	Hose	
4	2170208	1	Fitting, 90 ORFS/ORB	
5	2111008	2	Fitting, Straight ORFS/ORB	
6	2111010	1	Fitting, Straight ORFS/ORB	
7	2111212	2	Fitting, Straight ORFS/ORB	
8	88662327	1	Fitting, Straight ORFS/ORB	
9	2151616	1	Fitting, 45 ORFS/ORB	
10	2112424	1	Fitting, Straight ORFS/ORB	
11	2130404	2	Fitting, 90 ORFS/ORB	
12	2110808	3	Fitting, Straight ORFS/ORB	
13	2130606	13	Fitting, 90 ORFS/ORB	
14	2130608	1	Fitting, 90 ORFS/ORB	
15	2130810	2	Fitting, 90 ORFS/ORB	
16	2131010	1	Fitting, 90 ORFS/ORB	
17	2111208	1	Fitting, Straight ORFS/ORB	
19	4240018	3	Tie-Strap	
20	2150404	1	Fitting, 45 ORFS/ORB	
23	2221086	3	Fitting, Pressure Check	
24	2110612	1	Fitting, Straight ORFS/ORB	
25	2753545	1	Hose	
44	2172112	1	Fitting, 90 ORFS/FSORFS	
50	2110608	1	Fitting, Straight ORFS/ORB	
52	2130612	1	Fitting, 90 ORFS/ORB	
53	4061032	1	Hose, Guard	
56	2220737	1	Split Flange Kit	
57	2220478	1	Split Flange Kit	
100	1001270074	1	Towbar Steer Hose Kit	
101	2753622	1	Hose	
102	1001198333	2	Hose with Crimped Tee	
200	1001270075	1	Turntable Hose Kit	
201	2753653	2	Hose	
202	2753654	1	Hose	
203	2753656	2	Hose	
204	2753686	1	Hose	
205	1001111968	1	Hose	
206	1001157851	1	Hose	
207	1001177226	1	Hose	
208	1001181894	1	Hose	
300	1001270076	1	Boom Hose Kit	
301	2753681	1	Hose	
302	2753683	1	Hose	
400	1001271618	1	Hose Kit	
401	2753622	1	Hose	
402	2753674	1	Hose	
403	2753675	1	Hose	
404	2753679	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
405	2753693	1	Hose	
500	1001271619	1	Hose Kit	
501	2753670	1	Hose	
502	2753671	2	Hose	
503	2753682	1	Hose	
504	2753684	1	Hose	
505	1001167194	2	Hose	
506	1001167196	1	Hose	

FIGURE 7-7. HYDRAULIC DIAGRAM - STANDARD (WITHOUT TOW BAR PACKAGE) (SN STARTING WITH 03) (860SJ HC3)



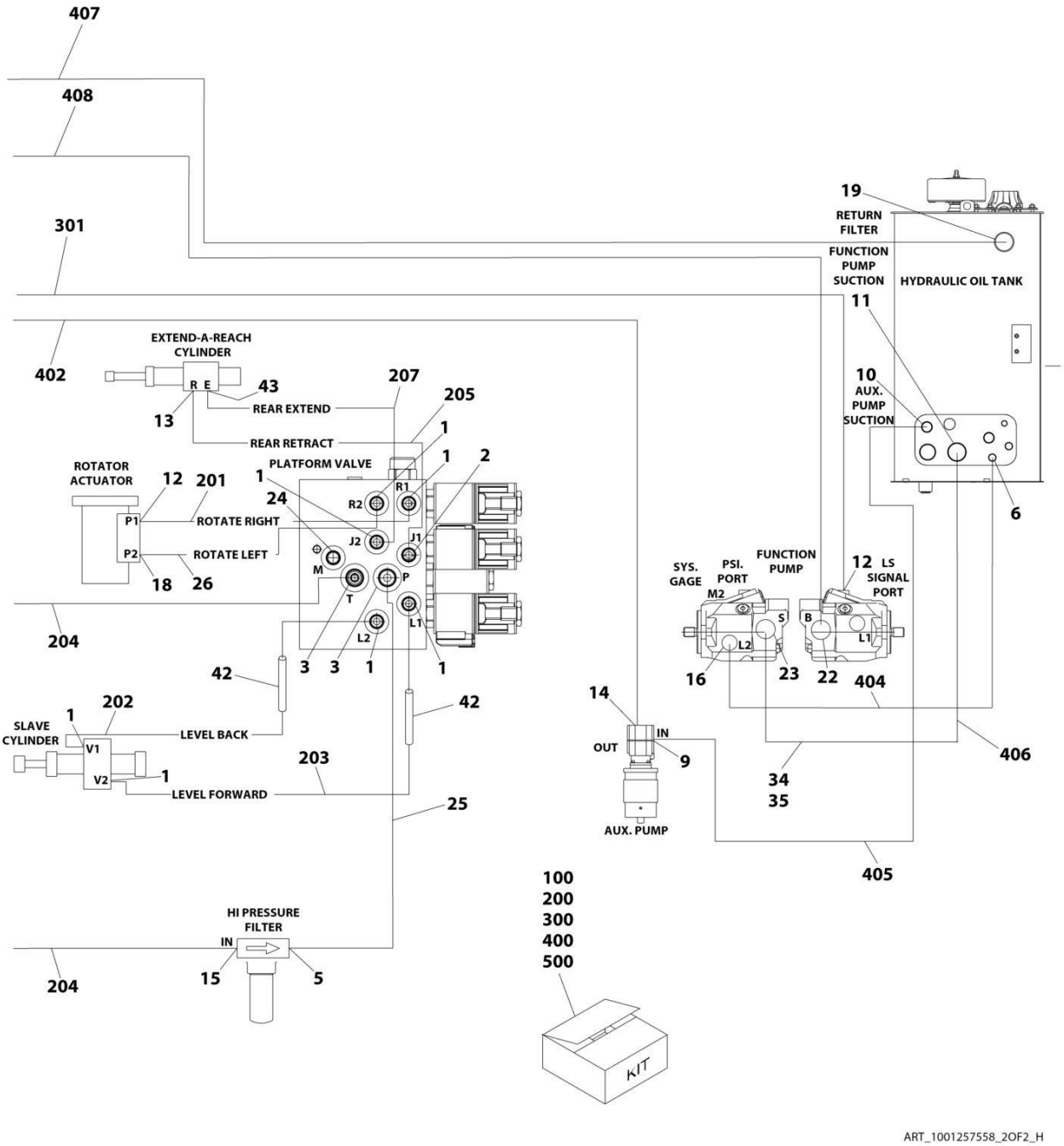
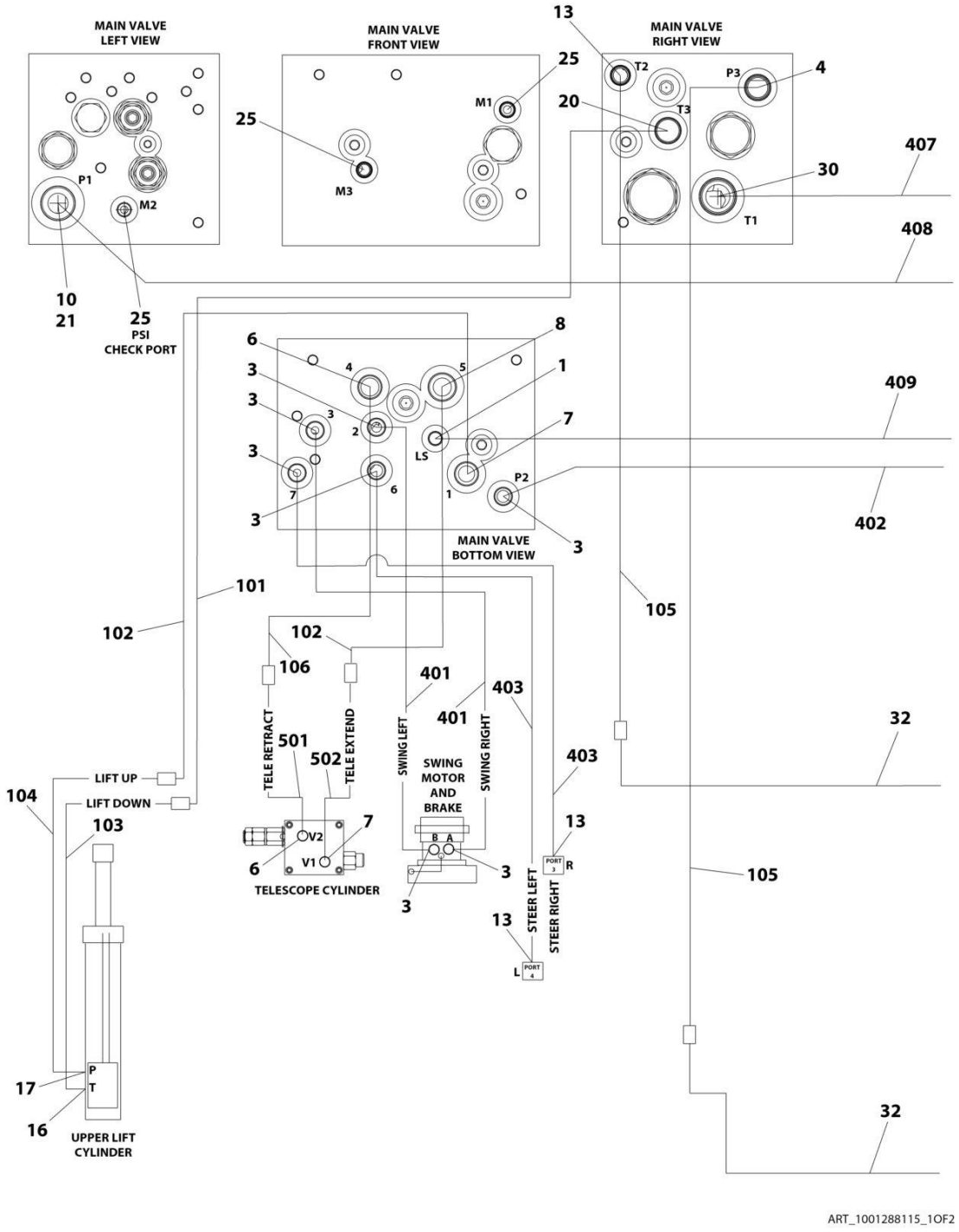

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408
301
402
19
RETURN FILTER
FUNCTION PUMP SUCTION
HYDRAULIC OIL TANK
11
10
AUX. PUMP SUCTION
6
EXTEND-A-REACH CYLINDER
R E
43
REAR EXTEND
REAR RETRACT
13
207
205
1
2
PLATFORM VALVE
ROTATOR ACTUATOR
12
201
P1
P2
ROTATE RIGHT
ROTATE LEFT
18
26
24
R1
R2
J1
J2
M
P
T
L1
L2
204
42
3
3
1
1
202
SLAVE CYLINDER
V1
V2
LEVEL BACK
LEVEL FORWARD
203
25
HI PRESSURE FILTER
IN
15
5
SYS. GAGE
PSI. PORT
M2
FUNCTION PUMP
S
B
L1
L2
12 LS SIGNAL PORT
16
23
22
404
406
14
IN
OUT
9
AUX. PUMP
34
35
405
100
200
300
400
500
KIT
ART_1001257558_2OF2_H

FIGURE 7-7. HYDRAULIC DIAGRAM - STANDARD (WITHOUT TOW BAR PACKAGE) (SN STARTING WITH 03) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257558	Ref	STANDARD HYDRAULIC DIAGRAM	H
1	2110404	8	Fitting, Straight ORFS/ORB	
2	2110604	1	Fitting, Straight ORFS/ORB	
3	2110606	13	Fitting, Straight ORFS/ORB	
4	2110608	1	Fitting, Straight ORFS/ORB	
5	2110612	1	Fitting, Straight ORFS/ORB	
6	2110808	3	Fitting, Straight ORFS/ORB	
7	2111008	2	Fitting, Straight ORFS/ORB	
8	2111010	1	Fitting, Straight ORFS/ORB	
9	2111208	1	Fitting, Straight ORFS/ORB	
10	2111212	2	Fitting, Straight ORFS/ORB	
11	2112424	1	Fitting, Straight ORFS/ORB	
12	2130404	2	Fitting, 90 ORFS/ORB	
13	2130606	6	Fitting, 90 ORFS/ORB	
14	2130608	1	Fitting, 90 ORFS/ORB	
15	2130612	1	Fitting, 90 ORFS/ORB	
16	2130810	2	Fitting, 90 ORFS/ORB	
17	2131010	1	Fitting, 90 ORFS/ORB	
18	2150404	1	Fitting, 45 ORFS/ORB	
19	2151616	1	Fitting, 45 ORFS/ORB	
20	2170208	1	Fitting, 90 ORFS/ORB	
21	2172112	1	Fitting, 90 ORFS/FSORFS	
22	2220478	1	Split Flange Kit	
23	2220737	1	Split Flange Kit	
24	2221086	4	Fitting, Pressure Check	
25	2717059	1	Hose	
26	2753545	1	Hose	
34	4061032	1	Hose, Guard	
35	4240018	3	Tie-Strap	
36	88662327	1	Fitting, Straight ORFS/ORB	
42	1001257430	1	Cover, Hose	
43	2180829	1	Fitting, 90 ORFS/ORB	
100	2902461	1	Hose Kit	
101	2753670	1	Hose	
102	2753671	2	Hose	
103	2753682	1	Hose	
104	2753684	1	Hose	
105	1001167194	2	Hose	
106	1001167196	1	Hose	
200	1001259338	1	Hose Kit	
201	2753674	1	Hose	
202	2753677	1	Hose	
203	2753678	1	Hose	
204	1001257509	2	Hose	
205	1001269199	1	Hose	
207	1001285674	1	Hose	
300	1001270074	1	Hose Kit	
301	2753622	1	Hose	
302	1001198333	2	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
400	1001270075	1	Hose Kit	
401	2753653	2	Hose	
402	2753654	1	Hose	
403	2753656	2	Hose	
404	2753686	1	Hose	
405	1001111968	1	Hose	
406	1001157851	1	Hose	
407	1001177226	1	Hose	
408	1001181894	1	Hose	
500	1001270076	1	Hose Kit	
501	2753681	1	Hose	
502	2753683	1	Hose	

FIGURE 7-8. HYDRAULIC DIAGRAM - STANDARD (WITHOUT TOW BAR PACKAGE) (SN STARTING WITH B3) (860SJ HC3)



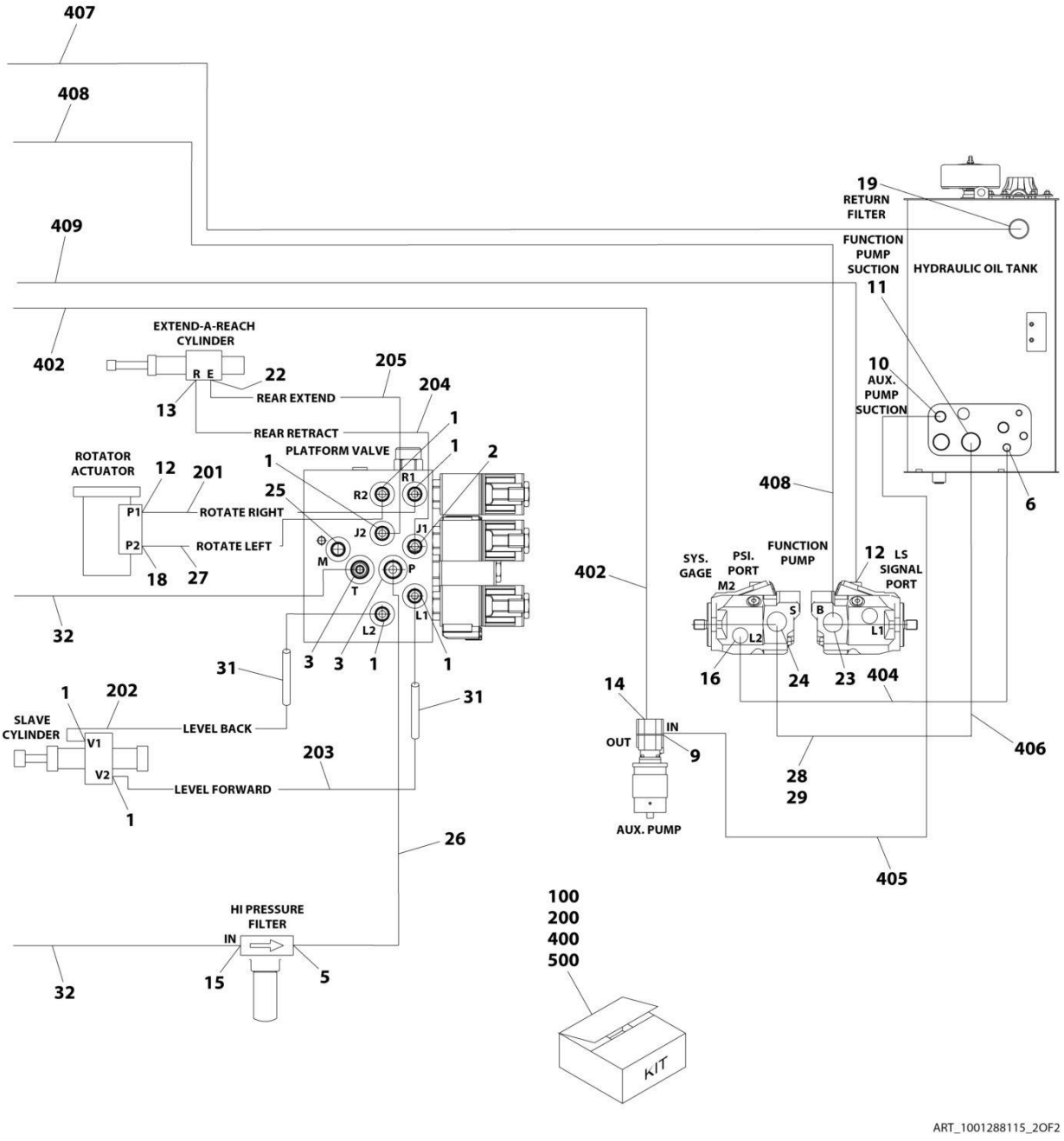
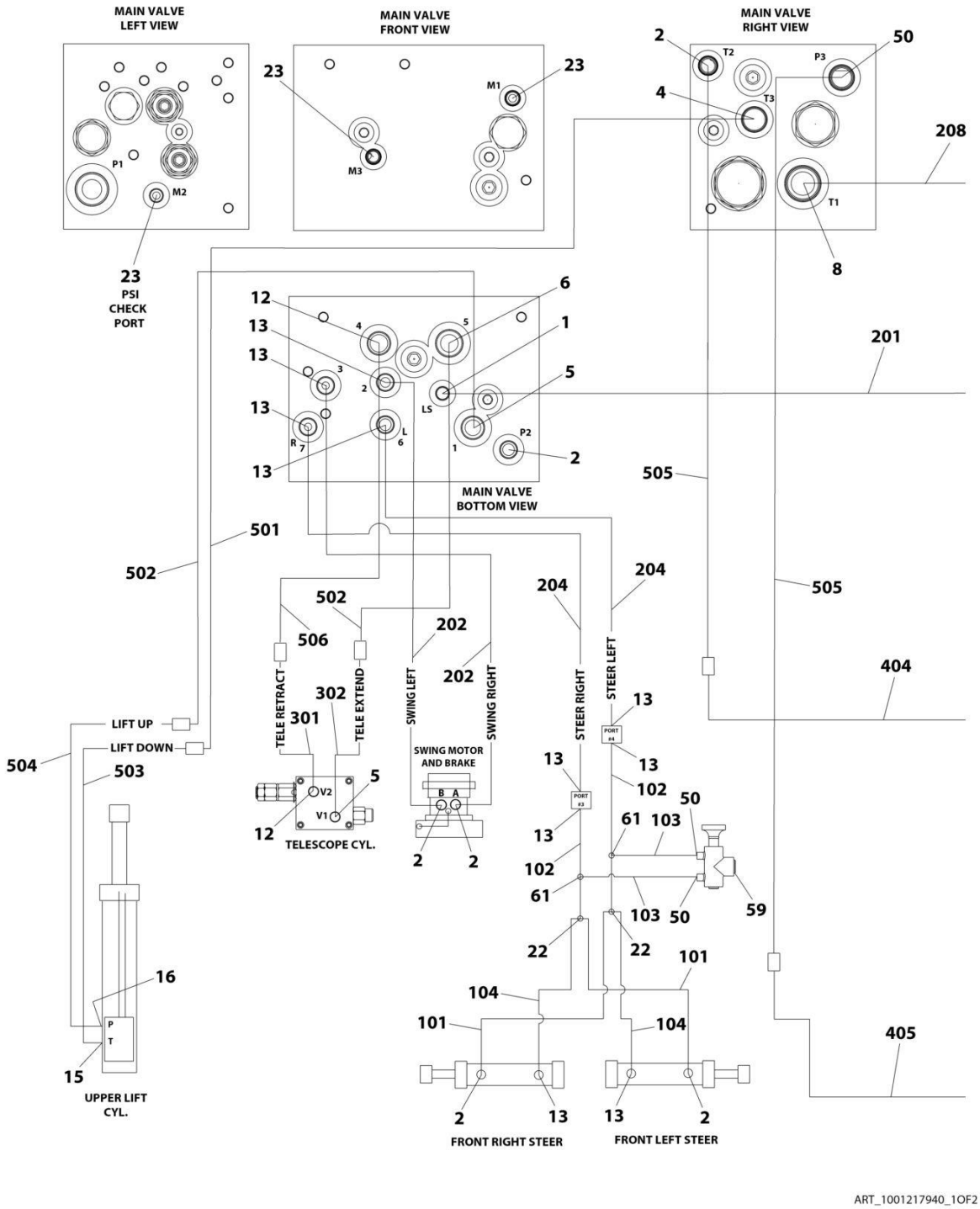

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408
409
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EXTEND-A-REACH CYLINDER
R E
22
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REAR EXTEND
REAR RETRACT
205
204
PLATFORM VALVE
ROTATOR ACTUATOR
12
201
P1
P2
ROTATE RIGHT
ROTATE LEFT
18
27
25
R1
R2
J1
J2
M
P
T
L1
L2
1
2
3
31
32
SLAVE CYLINDER
V1
V2
202
LEVEL BACK
LEVEL FORWARD
203
26
HI PRESSURE FILTER
IN
15
5
19
RETURN FILTER
FUNCTION PUMP SUCTION
HYDRAULIC OIL TANK
11
10
AUX. PUMP SUCTION
6
SYS. GAGE
PSI. PORT
M2
FUNCTION PUMP
12
LS SIGNAL PORT
S
B
L2
L1
16
24
23
404
406
14
IN
OUT
9
AUX. PUMP
28
29
405
100
200
400
500
KIT
ART_1001288115_2OF2

FIGURE 7-8. HYDRAULIC DIAGRAM - STANDARD (WITHOUT TOW BAR PACKAGE) (SN STARTING WITH B3) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288115	Ref	STANDARD HYDRAULIC DIAGRAM	A
1	2110404	8	Fitting, Straight ORFS/ORB	
2	2110604	1	Fitting, Straight ORFS/ORB	
3	2110606	9	Fitting, Straight ORFS/ORB	
4	2110608	1	Fitting, Straight ORFS/ORB	
5	2110612	1	Fitting, Straight ORFS/ORB	
6	2110808	3	Fitting, Straight ORFS/ORB	
7	2111008	2	Fitting, Straight ORFS/ORB	
8	2111010	1	Fitting, Straight ORFS/ORB	
9	2111208	1	Fitting, Straight ORFS/ORB	
10	2111212	2	Fitting, Straight ORFS/ORB	
11	2112424	1	Fitting, Straight ORFS/ORB	
12	2130404	2	Fitting, 90 ORFS/ORB	
13	2130606	4	Fitting, 90 ORFS/ORB	
14	2130608	1	Fitting, 90 ORFS/ORB	
15	2130612	1	Fitting, 90 ORFS/ORB	
16	2130810	2	Fitting, 90 ORFS/ORB	
17	2131010	1	Fitting, 90 ORFS/ORB	
18	2150404	1	Fitting, 45 ORFS/ORB	
19	2151616	1	Fitting, 45 ORFS/ORB	
20	2170208	1	Fitting, 90 ORFS/ORB	
21	2172112	1	Fitting, 90 ORFS/FSORFS	
22	2180829	1	Fitting, 90 ORFS/ORB	
23	2220478	1	Split Flange Kit	
24	2220737	1	Split Flange Kit	
25	2221086	4	Fitting, Pressure Check	
26	2717059	1	Hose	
27	2753545	1	Hose	
28	4061032	1	Hose, Guard	
29	4240018	3	Tie-Strap	
30	88662327	1	Fitting, Straight ORFS/ORB	
31	1001257430	1	Cover, Hose	
32	1001257509	2	Hose	
100	1001271619	1	Hose Kit	
101	2753670	1	Hose	
102	2753671	2	Hose	
103	2753682	1	Hose	
104	2753684	1	Hose	
105	1001167194	2	Hose	
106	1001167196	1	Hose	
200	1001288114	1	Hose Kit	
201	2753674	1	Hose	
202	2753677	1	Hose	
203	2753678	1	Hose	
204	1001269199	1	Hose	
205	1001285674	1	Hose	
400	1001270075	1	Hose Kit	
401	2753653	2	Hose	
402	2753654	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
403	2753656	2	Hose	
404	2753686	1	Hose	
405	1001111968	1	Hose	
406	1001157851	1	Hose	
407	1001177226	1	Hose	
408	1001181894	1	Hose	
409	2753622	1	Hose	
500	1001270076	1	Hose Kit	
501	2753681	1	Hose	
502	2753683	1	Hose	

FIGURE 7-9. HYDRAULIC DIAGRAM - STANDARD (WITH TOW BAR PACKAGE) (SN STARTING WITH 03) (800S HC3)



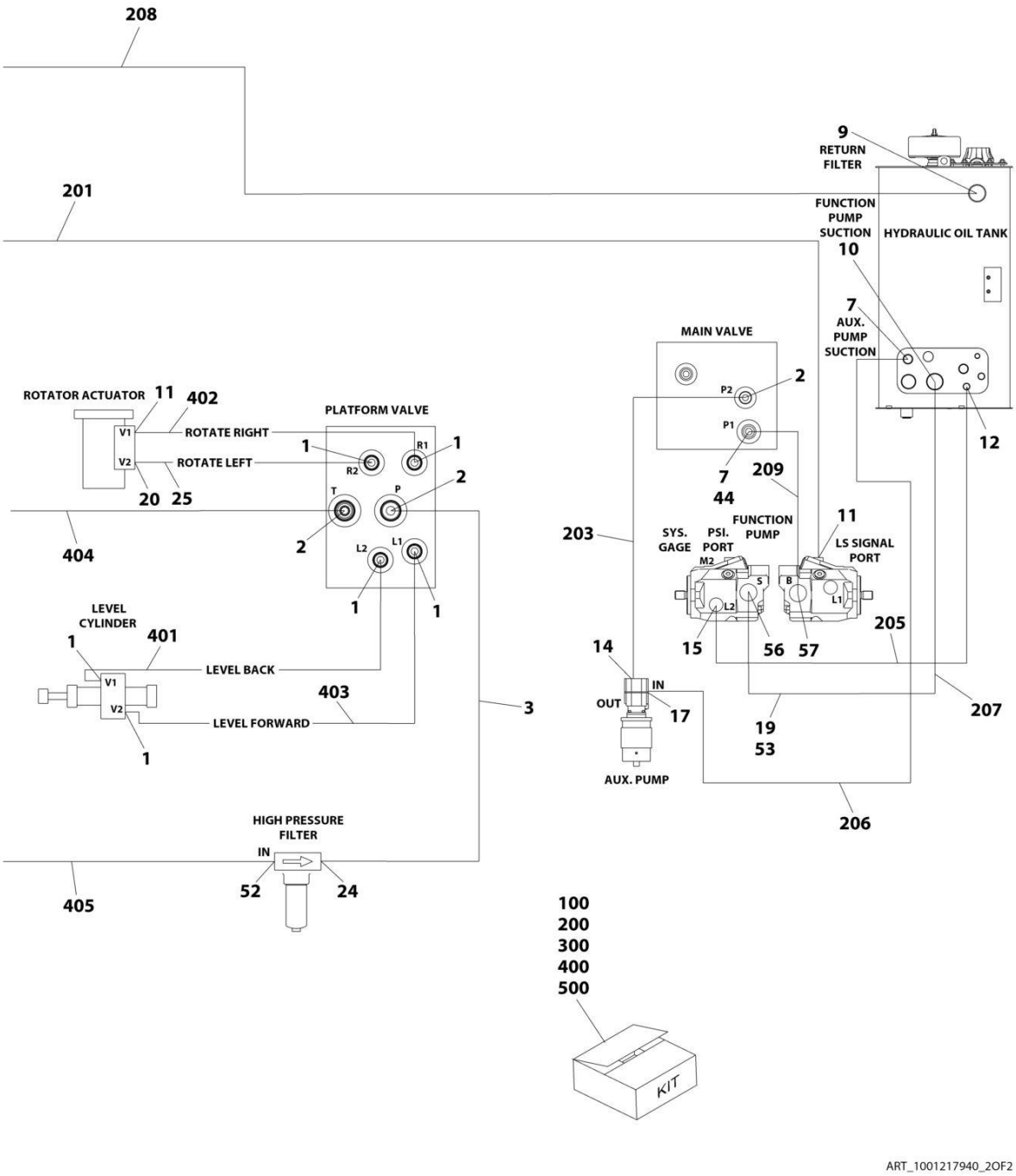
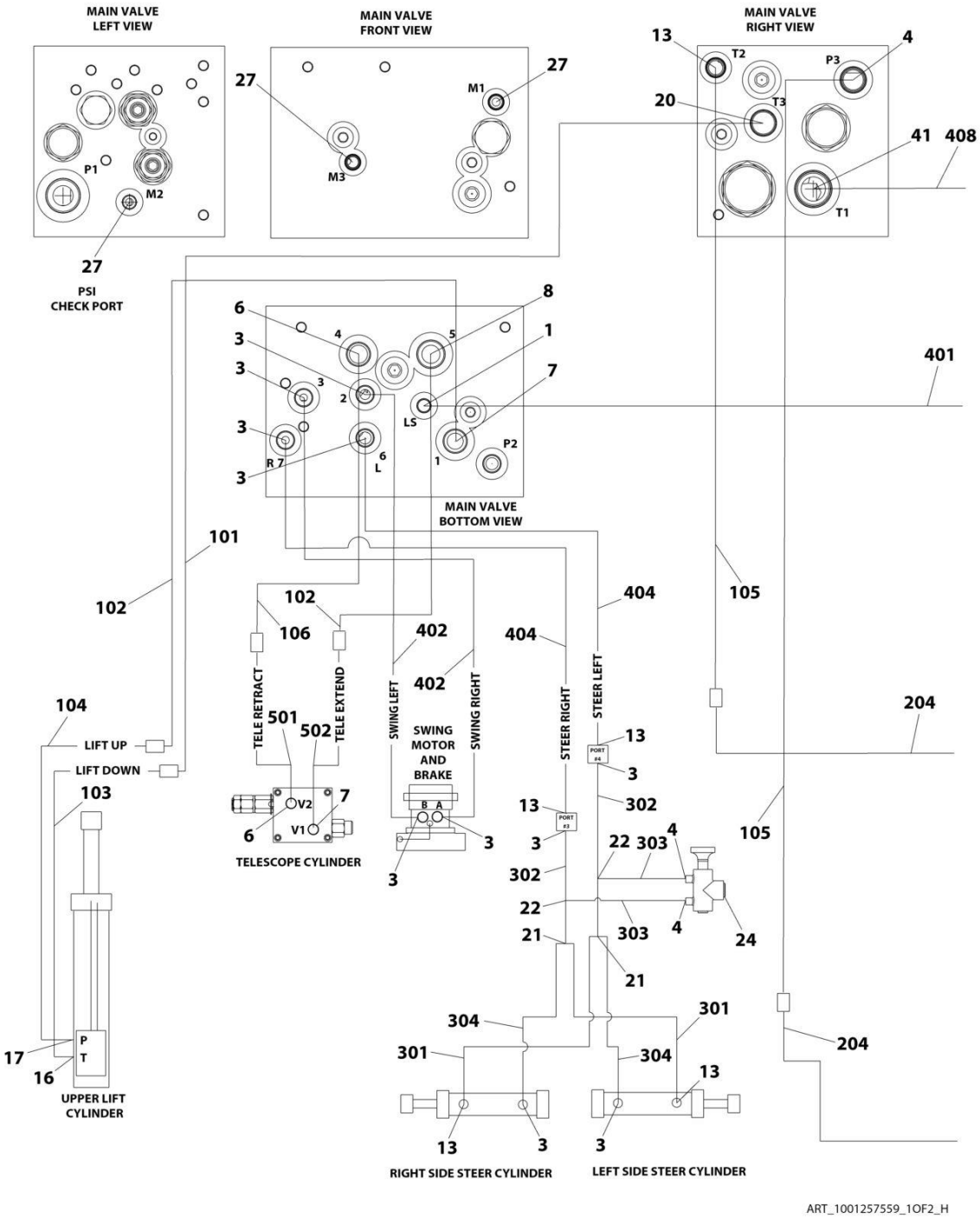

208
201
9
RETURN FILTER
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HYDRAULIC OIL TANK
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7
AUX. PUMP SUCTION
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MAIN VALVE
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P2
P1
7
44
209
ROTATOR ACTUATOR
11
402
ROTATE RIGHT
ROTATE LEFT
V1
V2
20
25
PLATFORM VALVE
R1
R2
T
P
L2
L1
1
2
404
203
SYS. GAGE
PSI. PORT
FUNCTION PUMP
11
LS SIGNAL PORT
M2
S
B
L2
L1
15
56
57
205
LEVEL CYLINDER
401
LEVEL BACK
LEVEL FORWARD
403
3
14
IN
OUT
17
19
53
207
AUX. PUMP
206
HIGH PRESSURE FILTER
IN
52
24
405
100
200
300
400
500
KIT
ART_1001217940_2OF2

FIGURE 7-9. HYDRAULIC DIAGRAM - STANDARD (WITH TOW BAR PACKAGE) (SN STARTING WITH 03) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217940	Rev	STANDARD HYDRAULIC DIAGRAM	E
1	2110404	7	Fitting, Straight ORFS/ORB	
2	2130606	8	Fitting, 90 ORFS/ORB	
3	2717059	1	Hose	
4	2170208	1	Fitting, 90 ORFS/ORB	
5	2111008	2	Fitting, Straight ORFS/ORB	
6	2111010	1	Fitting, Straight ORFS/ORB	
7	2111212	2	Fitting, Straight ORFS/ORB	
8	88662327	1	Fitting, Straight ORFS/ORB	
9	2151616	1	Fitting, 45 ORFS/ORB	
10	2112424	1	Fitting, Straight ORFS/ORB	
11	2130404	2	Fitting, 90 ORFS/ORB	
12	2110808	3	Fitting, Straight ORFS/ORB	
13	2110606	10	Fitting, Straight ORFS/ORB	
14	2130608	1	Fitting, 90 ORFS/ORB	
15	2130810	2	Fitting, 90 ORFS/ORB	
16	2131010	1	Fitting, 90 ORFS/ORB	
17	2111208	1	Fitting, Straight ORFS/ORB	
19	4240018	3	Tie-Strap	
20	2150404	1	Fitting, 45 ORFS/ORB	
22	2170506	2	Fitting, Tee ORFS/ORFS/ORFS	
23	2221086	3	Fitting, Pressure Check	
24	2110612	1	Fitting, Straight ORFS/ORB	
25	2753545	1	Hose	
44	2172112	1	Fitting, 90 ORFS/FSORFS	
50	2110608	3	Fitting, Straight ORFS/ORB	
52	2130612	1	Fitting, 90 ORFS/ORB	
53	4061032	1	Hose, Guard	
56	2220737	1	Split Flange Kit	
57	2220478	1	Split Flange Kit	
59	2220238	1	Plug	
61	2170706	2	Fitting, Tee ORFS/FSORFS/ORFS	
100	1001270077	1	Towbar Front Hose Kit	
101	2753656	2	Hose	
102	2753732	2	Hose	
103	2753879	2	Hose	
104	1001159340	2	Hose	
200	1001270078	1	Towbar Turntable Hose Kit	
201	2753622	1	Hose	
202	2753653	2	Hose	
203	2753654	1	Hose	
204	2753656	2	Hose	
205	2753686	1	Hose	
206	1001111968	1	Hose	
207	1001157851	1	Hose	
208	1001177226	1	Hose	
209	1001181894	1	Hose	
300	1001270076	1	Boom Hose Kit	
301	2753681	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
302	2753683	1	Hose	
400	1001271618	1	Hose Kit	
401	2753622	1	Hose	
402	2753674	1	Hose	
403	2753675	1	Hose	
404	2753679	1	Hose	
405	2753693	1	Hose	
500	1001271619	1	Hose Kit	
501	2753670	1	Hose	
502	2753671	2	Hose	
503	2753682	1	Hose	
504	2753684	1	Hose	
505	1001167194	2	Hose	
506	1001167196	1	Hose	

FIGURE 7-10. HYDRAULIC DIAGRAM - STANDARD (WITH TOW BAR PACKAGE) (SN STARTING WITH 03) (860SJ HC3)



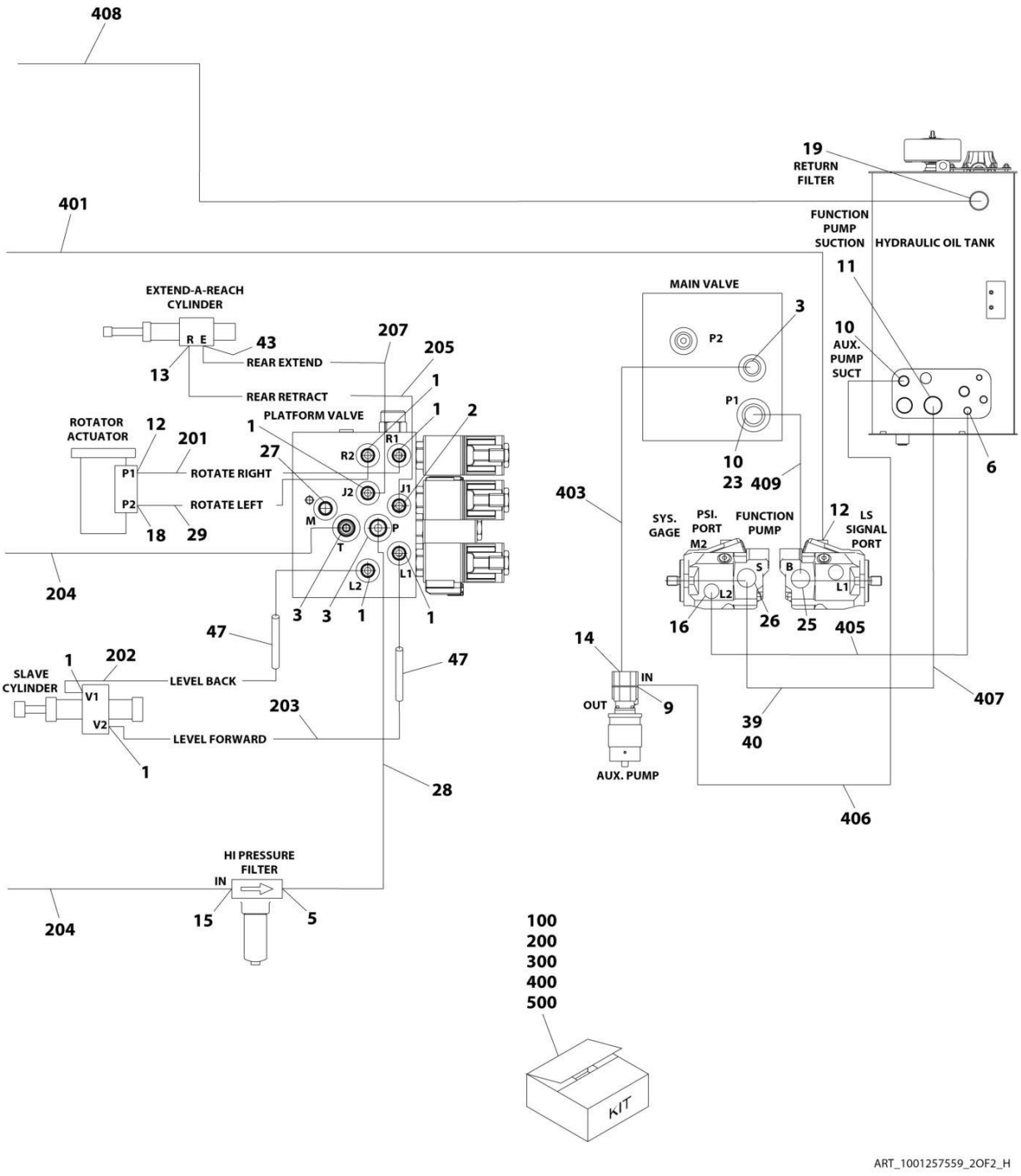
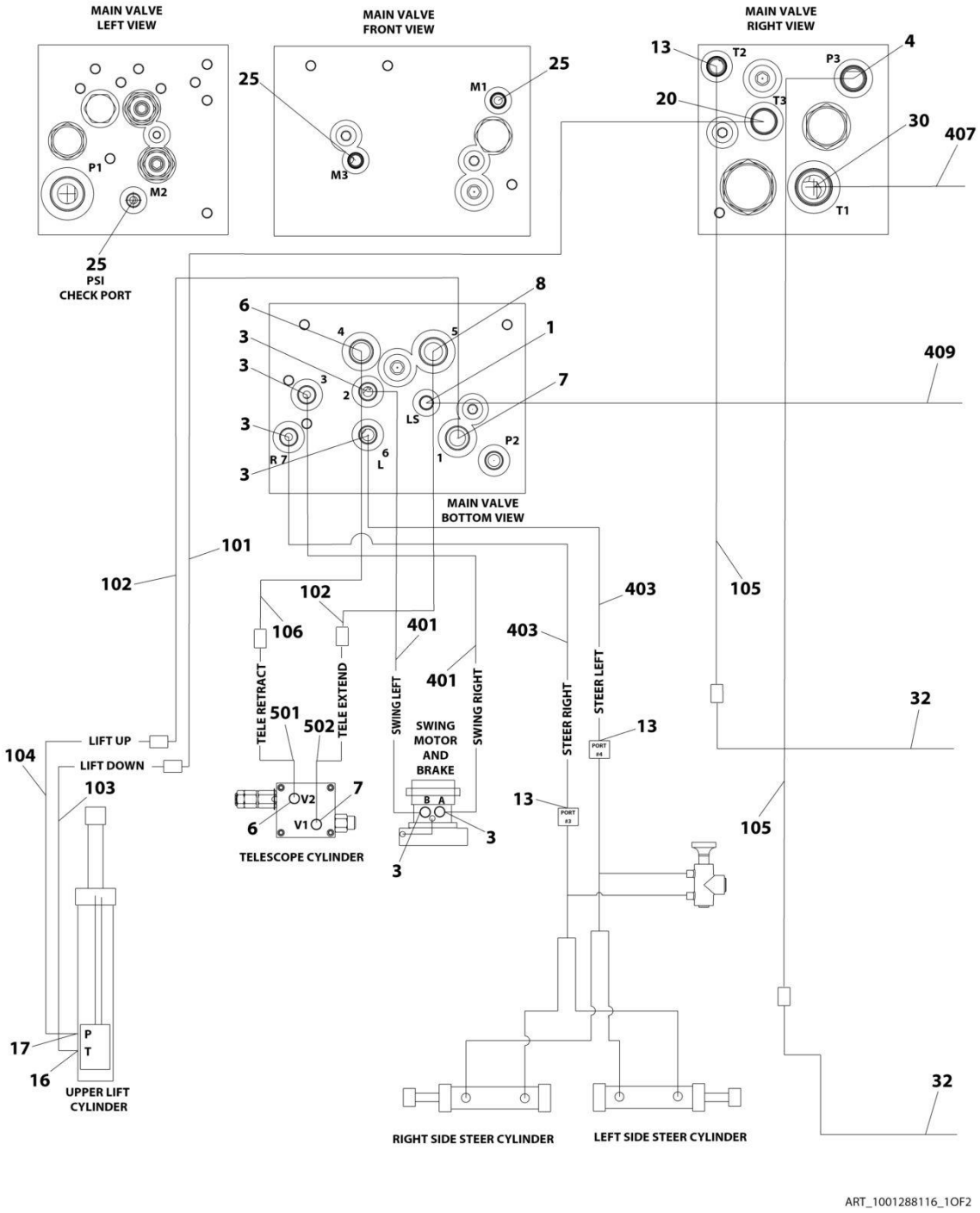

408
401
19
RETURN FILTER
FUNCTION PUMP SUCTION
HYDRAULIC OIL TANK
11
EXTEND-A-REACH CYLINDER
R E
43
REAR EXTEND
13
REAR RETRACT
207
205
1
2
PLATFORM VALVE
ROTATOR ACTUATOR
12
201
P1
ROTATE RIGHT
P2
ROTATE LEFT
18
29
27
R1
R2
J1
J2
M
P
T
L1
L2
204
47
3
1
202
SLAVE CYLINDER
V1
V2
LEVEL BACK
LEVEL FORWARD
203
28
HI PRESSURE FILTER
IN
15
5
MAIN VALVE
3
P2
P1
10
AUX. PUMP SUCT
6
10
23
409
403
SYS. GAGE
PSI. PORT
M2
FUNCTION PUMP
12
LS SIGNAL PORT
S
B
L1
L2
16
26
25
405
14
IN
OUT
9
AUX. PUMP
39
40
407
406
100
200
300
400
500
KIT
ART_1001257559_2OF2_H

FIGURE 7-10. HYDRAULIC DIAGRAM - STANDARD (WITH TOW BAR PACKAGE) (SN STARTING WITH 03) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257559	Ref	STANDARD HYDRAULIC DIAGRAM	H
1	2110404	8	Fitting, Straight ORFS/ORB	
2	2110604	1	Fitting, Straight ORFS/ORB	
3	2110606	13	Fitting, Straight ORFS/ORB	
4	2110608	3	Fitting, Straight ORFS/ORB	
5	2110612	1	Fitting, Straight ORFS/ORB	
6	2110808	3	Fitting, Straight ORFS/ORB	
7	2111008	2	Fitting, Straight ORFS/ORB	
8	2111010	1	Fitting, Straight ORFS/ORB	
9	2111208	1	Fitting, Straight ORFS/ORB	
10	2111212	2	Fitting, Straight ORFS/ORB	
11	2112424	1	Fitting, Straight ORFS/ORB	
12	2130404	2	Fitting, 90 ORFS/ORB	
13	2130606	6	Fitting, 90 ORFS/ORB	
14	2130608	1	Fitting, 90 ORFS/ORB	
15	2130612	1	Fitting, 90 ORFS/ORB	
16	2130810	2	Fitting, 90 ORFS/ORB	
17	2131010	1	Fitting, 90 ORFS/ORB	
18	2150404	1	Fitting, 45 ORFS/ORB	
19	2151616	1	Fitting, 45 ORFS/ORB	
20	2170208	1	Fitting, 90 ORFS/ORB	
21	2170506	2	Fitting, Tee ORFS/ORFS/ORFS	
22	2170706	2	Fitting, Tee ORFS/FSORFS/ORFS	
23	2172112	1	Fitting, 90 ORFS/FSORFS	
24	2220238	1	Plug	
25	2220478	1	Split Flange Kit	
26	2220737	1	Split Flange Kit	
27	2221086	4	Fitting, Pressure Check	
28	2717059	1	Hose	
29	2753545	1	Hose	
39	4061032	1	Hose, Guard	
40	4240018	3	Tie-Strap	
41	88662327	1	Fitting, Straight ORFS/ORB	
43	2180829	1	Fitting, 90 ORFS/ORB	
47	1001257430	1	Cover, Hose	
100	2902461	1	Hose Kit	
101	2753670	1	Hose	
102	2753671	2	Hose	
103	2753682	1	Hose	
104	2753684	1	Hose	
105	1001167194	2	Hose	
106	1001167196	1	Hose	
200	1001259338	1	Hose Kit	
201	2753674	1	Hose	
202	2753677	1	Hose	
203	2753678	1	Hose	
204	1001257509	2	Hose	
205	1001269199	1	Hose	
207	1001285674	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
300	1001270077	1	Hose Kit	
301	2753656	2	Hose	
302	2753732	2	Hose	
303	2753879	2	Hose	
304	1001159340	2	Hose	
400	1001270078	1	Hose Kit	
401	2753622	1	Hose	
402	2753653	2	Hose	
403	2753654	1	Hose	
404	2753656	2	Hose	
405	2753686	1	Hose	
406	1001111968	1	Hose	
407	1001157851	1	Hose	
408	1001177226	1	Hose	
409	1001181894	1	Hose	
500	1001270076	1	Hose Kit	
501	2753681	1	Hose	
502	2753683	1	Hose	

FIGURE 7-11. HYDRAULIC DIAGRAM - STANDARD (WITH TOW BAR PACKAGE) (SN STARTING WITH B3) (860SJ HC3)



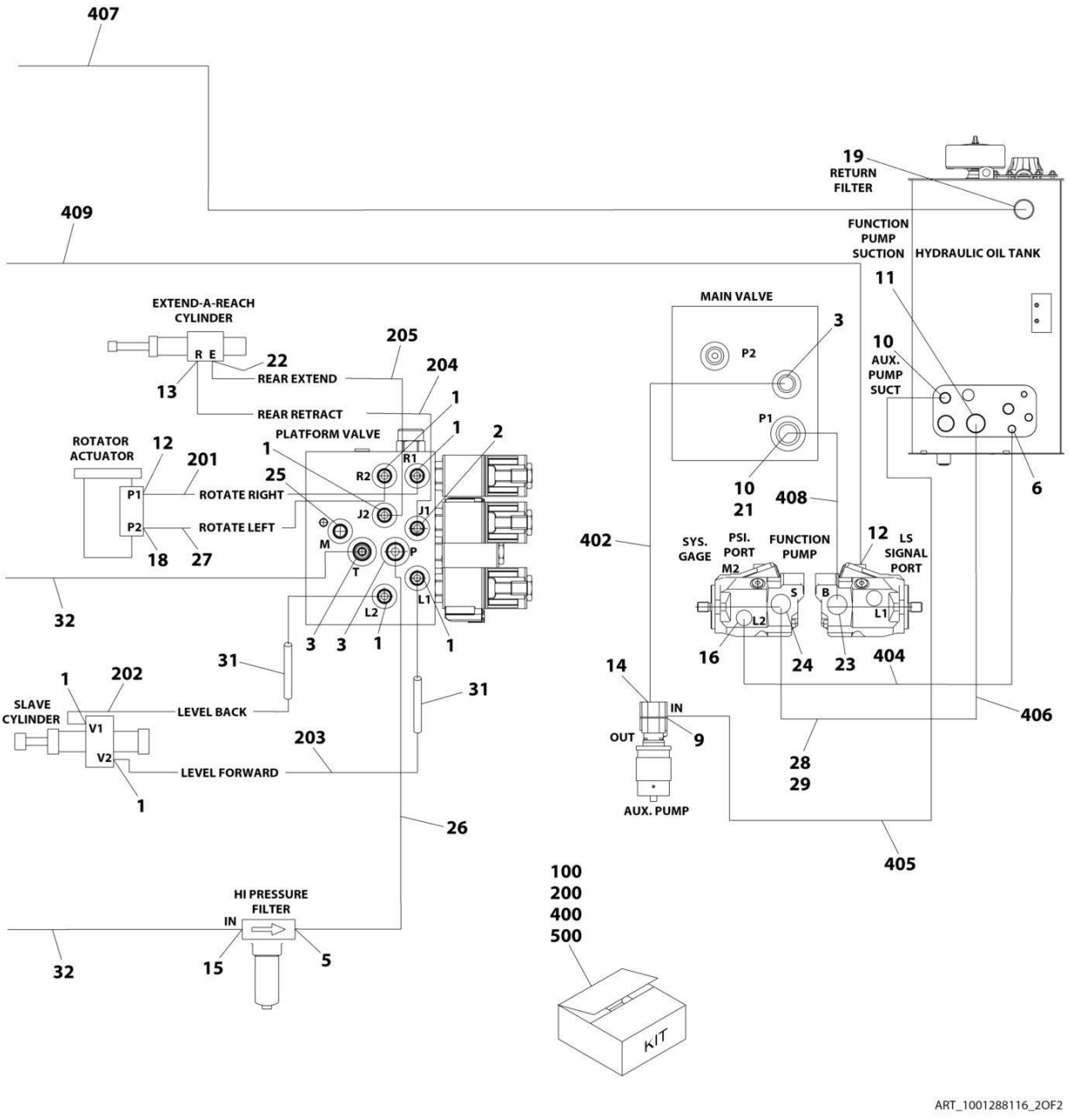

407
409
19
RETURN FILTER
FUNCTION PUMP SUCTION
HYDRAULIC OIL TANK
11
EXTEND-A-REACH CYLINDER
R E
22
REAR EXTEND
13
REAR RETRACT
205
204
1
2
PLATFORM VALVE
ROTATOR ACTUATOR
12
201
P1
P2
ROTATE RIGHT
ROTATE LEFT
18
27
25
R1
R2
J1
J2
M
P
T
L1
L2
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32
31
1
202
SLAVE CYLINDER
V1
V2
LEVEL BACK
LEVEL FORWARD
203
26
HI PRESSURE FILTER
IN
15
5
MAIN VALVE
P2
P1
10
21
408
402
SYS. GAGE
PSI. PORT
M2
FUNCTION PUMP
S
L2
16
24
12
LS SIGNAL PORT
B
L1
23
404
406
14
IN
OUT
9
AUX. PUMP
28
29
405
10
AUX. PUMP SUCT
6
100
200
400
500
KIT
ART_1001288116_2OF2

FIGURE 7-11. HYDRAULIC DIAGRAM - STANDARD (WITH TOW BAR PACKAGE) (SN STARTING WITH B3) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288116	Ref	STANDARD HYDRAULIC DIAGRAM	A
1	2110404	8	Fitting, Straight ORFS/ORB	
2	2110604	1	Fitting, Straight ORFS/ORB	
3	2110606	9	Fitting, Straight ORFS/ORB	
4	2110608	1	Fitting, Straight ORFS/ORB	
5	2110612	1	Fitting, Straight ORFS/ORB	
6	2110808	3	Fitting, Straight ORFS/ORB	
7	2111008	2	Fitting, Straight ORFS/ORB	
8	2111010	1	Fitting, Straight ORFS/ORB	
9	2111208	1	Fitting, Straight ORFS/ORB	
10	2111212	2	Fitting, Straight ORFS/ORB	
11	2112424	1	Fitting, Straight ORFS/ORB	
12	2130404	2	Fitting, 90 ORFS/ORB	
13	2130606	4	Fitting, 90 ORFS/ORB	
14	2130608	1	Fitting, 90 ORFS/ORB	
15	2130612	1	Fitting, 90 ORFS/ORB	
16	2130810	2	Fitting, 90 ORFS/ORB	
17	2131010	1	Fitting, 90 ORFS/ORB	
18	2150404	1	Fitting, 45 ORFS/ORB	
19	2151616	1	Fitting, 45 ORFS/ORB	
20	2170208	1	Fitting, 90 ORFS/ORB	
21	2172112	1	Fitting, 90 ORFS/FSORFS	
22	2180829	1	Fitting, 90 ORFS/ORB	
23	2220478	1	Split Flange Kit	
24	2220737	1	Split Flange Kit	
25	2221086	4	Fitting, Pressure Check	
26	2717059	1	Hose	
27	2753545	1	Hose	
28	4061032	1	Hose, Guard	
29	4240018	3	Tie-Strap	
30	88662327	1	Fitting, Straight ORFS/ORB	
31	1001257430	1	Cover, Hose	
32	1001257509	2	Hose	
100	1001271619	1	Hose Kit	
101	2753670	1	Hose	
102	2753671	2	Hose	
103	2753682	1	Hose	
104	2753684	1	Hose	
105	1001167194	2	Hose	
106	1001167196	1	Hose	
200	1001288114	1	Hose Kit	
201	2753674	1	Hose	
202	2753677	1	Hose	
203	2753678	1	Hose	
204	1001269199	1	Hose	
205	1001285674	1	Hose	
400	1001270075	1	Hose Kit	
401	2753653	2	Hose	
402	2753654	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
403	2753656	2	Hose	
404	2753686	1	Hose	
405	1001111968	1	Hose	
406	1001157851	1	Hose	
407	1001177226	1	Hose	
408	1001181894	1	Hose	
409	2753622	1	Hose	
500	1001270076	1	Hose Kit	
501	2753681	1	Hose	
502	2753683	1	Hose	

SECTION 8 - ELECTRICAL

SECTION 8 - ELECTRICAL

FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V GFI RECEPTACLE (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

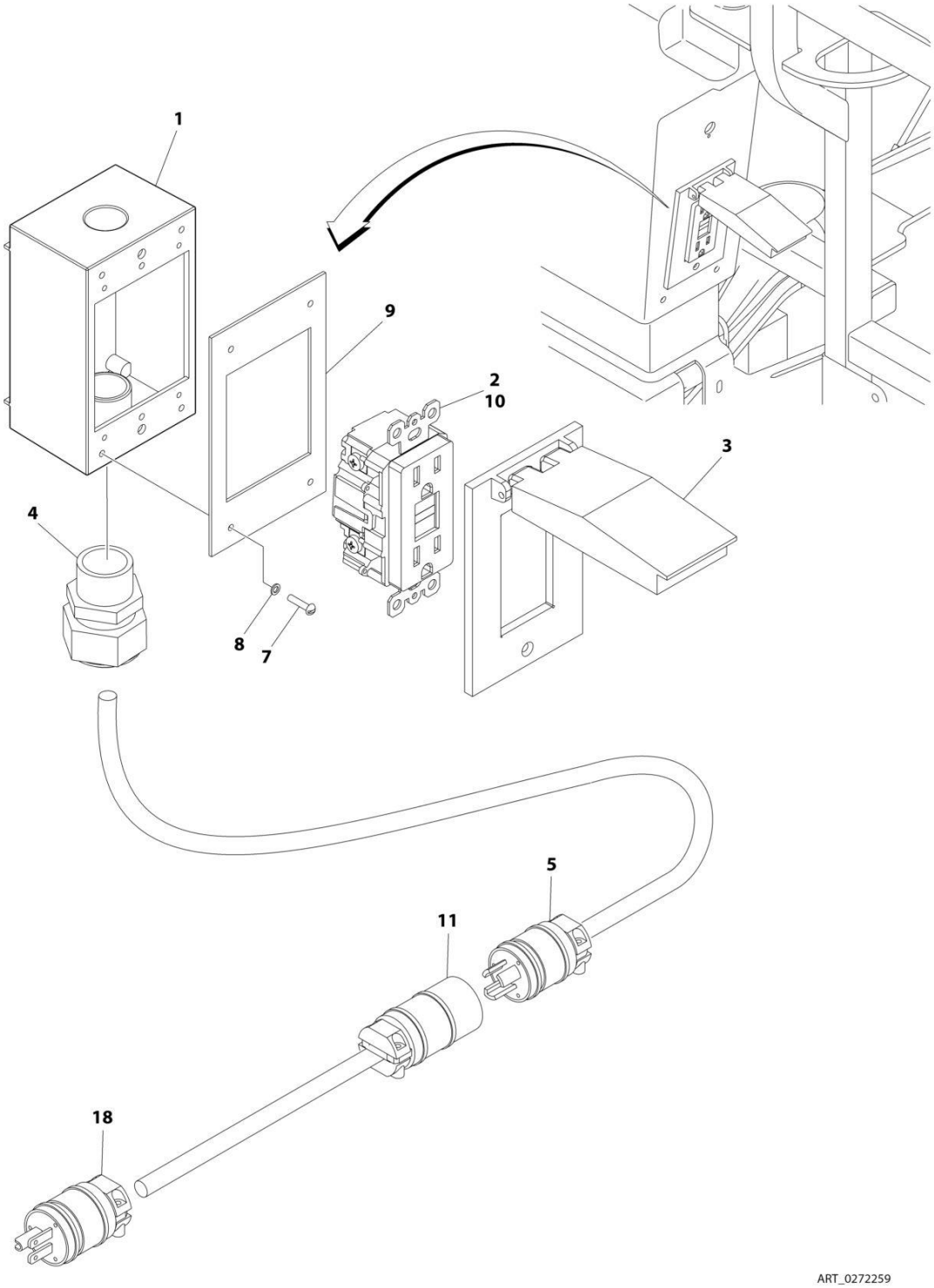


FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V GFI RECEPTACLE (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272259	Ref	AC BOX AT PLATFORM INSTALLATION - 110V GFI RECEPTACLE	C
1	0860038	1	Box, Switch	
2	4460346	1	Receptacle	
3	1001110873	1	Shield, Cover	
4	4460051	1	Connector, Strain Relief	
5	1001213584	1	Plug, Male	
7	3910610	4	Screw #6 x 5/8	
8	4760600	4	Washer #6	
9	3960422	1	Gasket	
10	4460315	3	Terminal, Spade	
11	1001213585	1	Receptacle, Female	
18	4460205	1	Plug, Male	

FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI, CSA & JAPANESE SPECS)

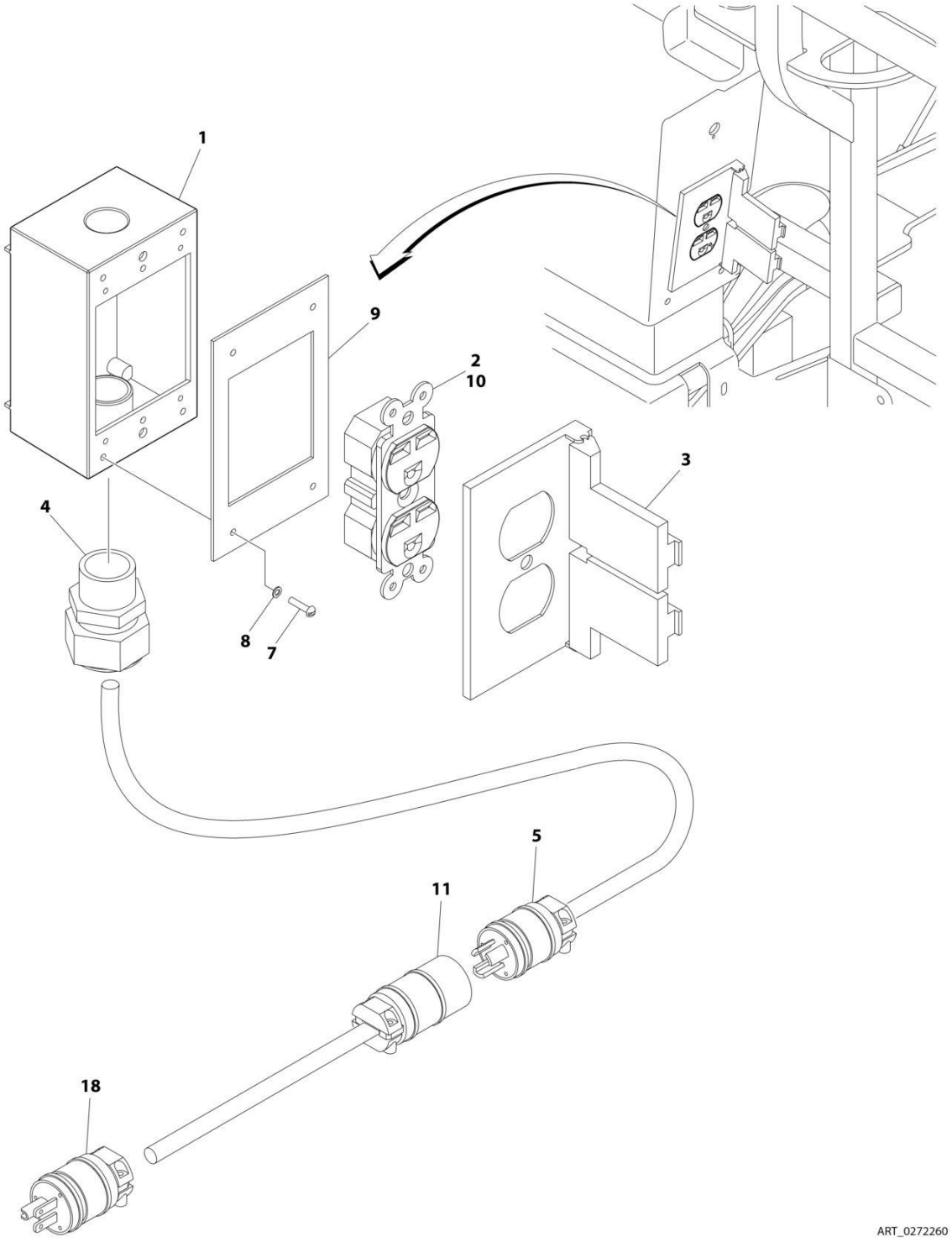


FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI, CSA & JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272260	Ref	AC BOX AT PLATFORM INSTALLATION - 220V	C
1	0860038	1	Box, Switch	
2	4460125	1	Receptacle	
3	4060092	1	Shield	
4	4460051	1	Connector, Strain Relief	
5	1001213584	2	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	1001213585	1	Receptacle, Female	
18	4460233	1	Plug, Male	

FIGURE 8-3. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITHOUT 7500W SKYPOWER GENERATOR) (ANSI EXPORT, AUSTRALIAN, CE & UK CA SPECS)

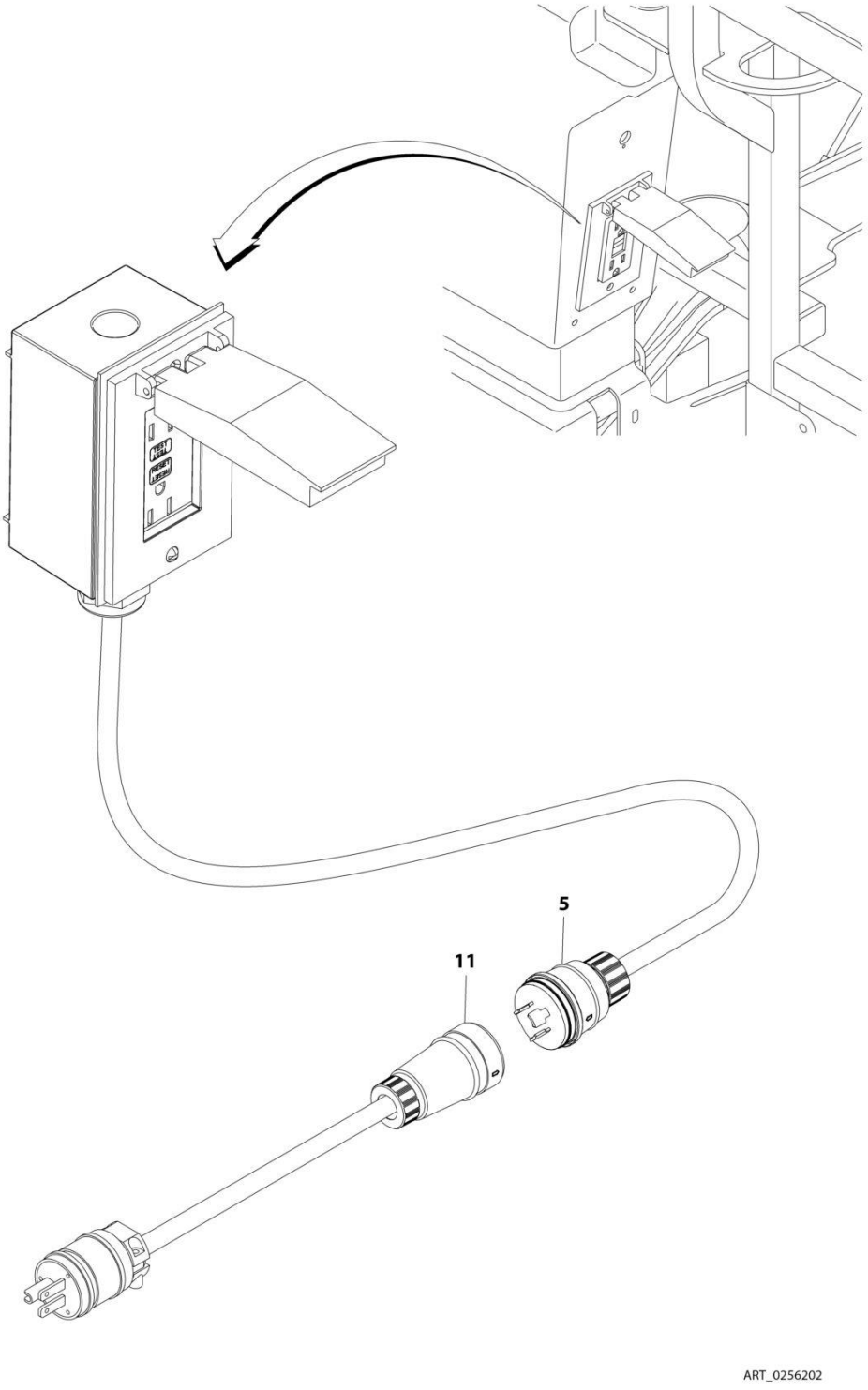


FIGURE 8-3. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITHOUT 7500W SKYPOWER GENERATOR) (ANSI EXPORT, AUSTRALIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0256202	Ref	AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION	D
5	1001213584	1	Plug	
11	1001213585	1	Receptacle	

FIGURE 8-4. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITHOUT GENERATOR) (CHINA SPECS)

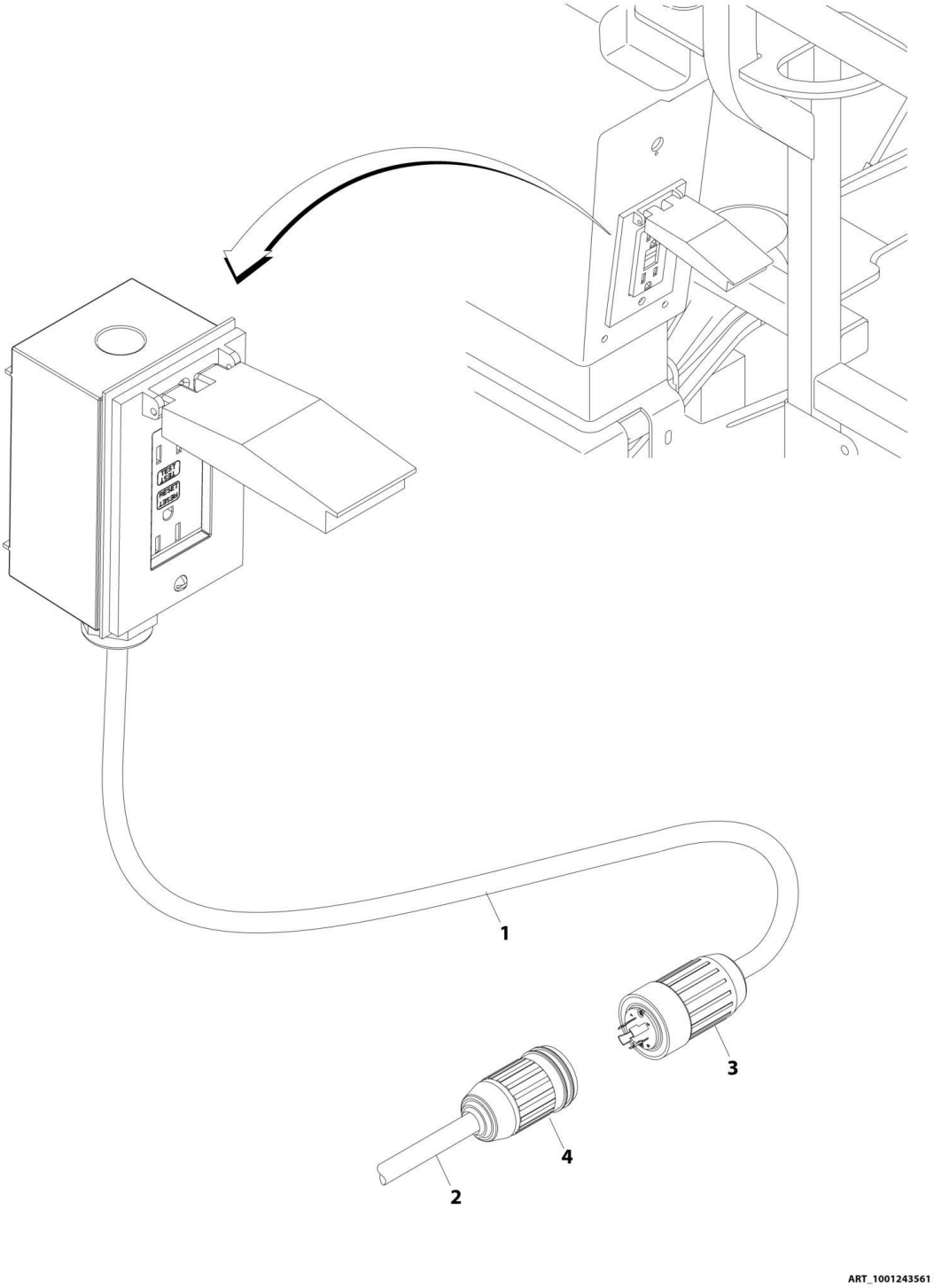


FIGURE 8-4. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITHOUT GENERATOR) (CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243561	Ref	AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION	A
1	4922874	1	Cable, Electrical 10/3	
2	4922877	1	Cable, Electrical 10/3	
3	1001213584	1	Plug	
4	1001213585	1	Receptacle	

FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 2500W GENERATOR (RUSSIAN, CE, & UK CA SPECS)

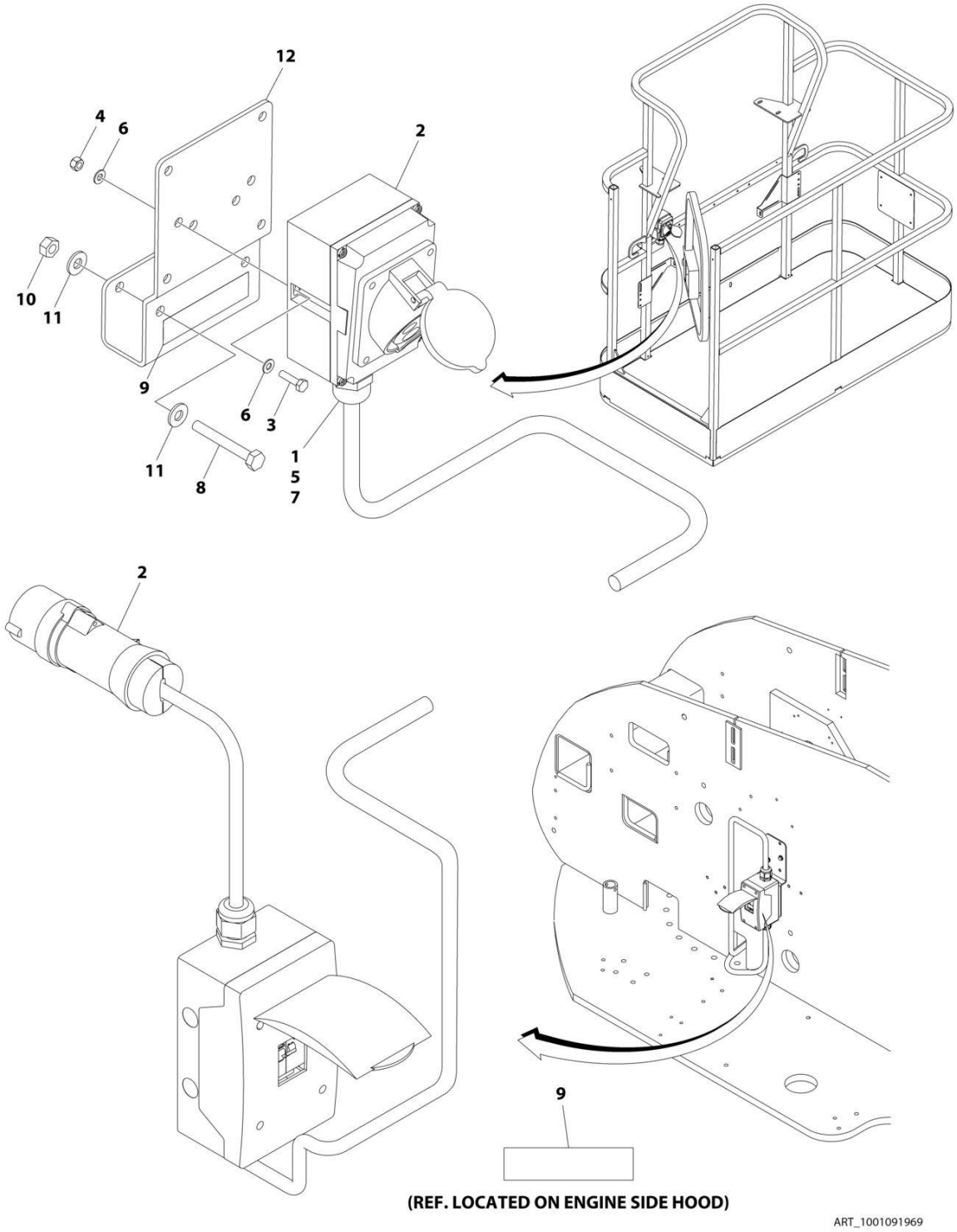


FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 2500W GENERATOR (RUSSIAN, CE, & UK CA SPECS)

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

FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 2500W GENERATOR (RUSSIAN, CE & UK CA SPECS)

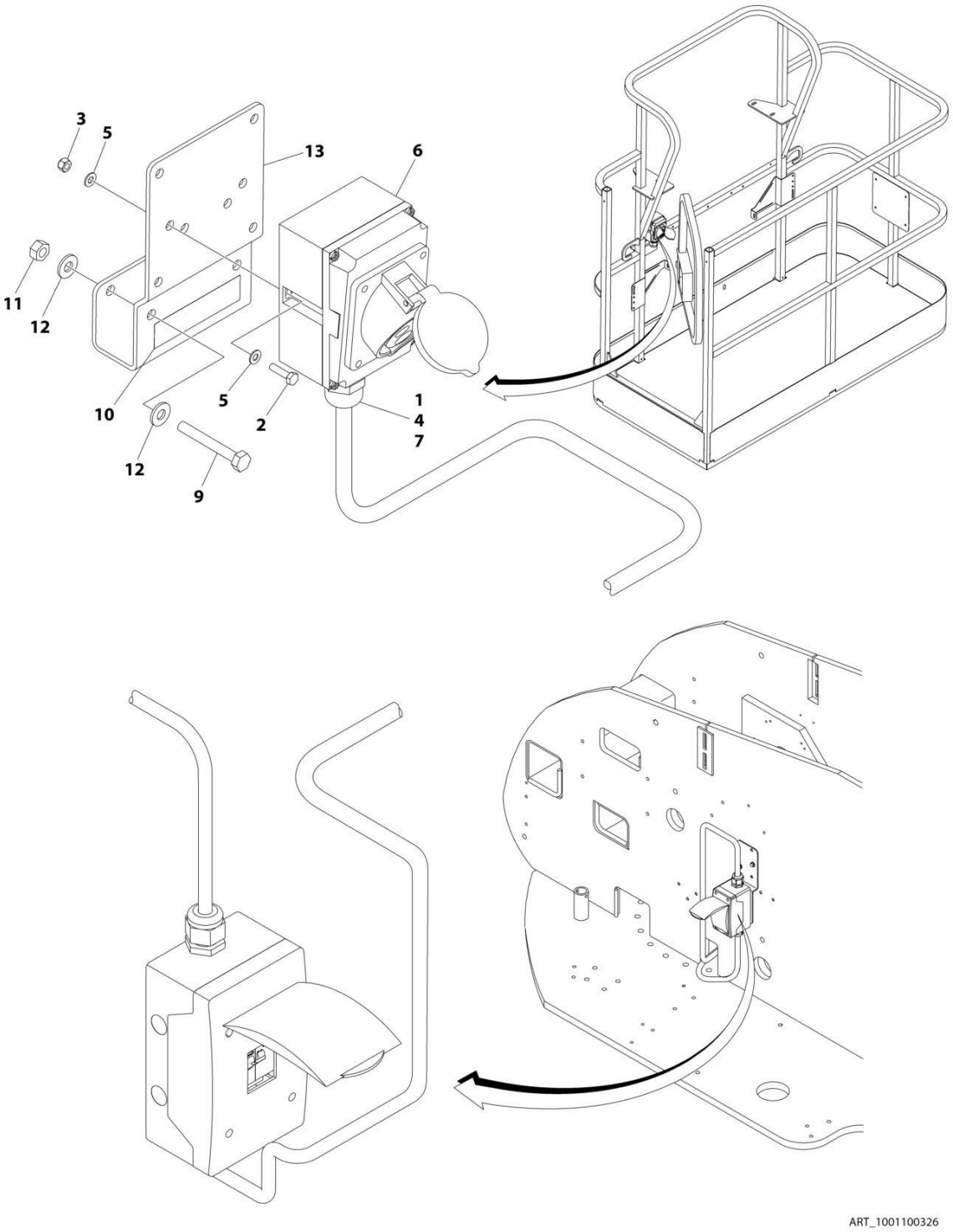


FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 2500W GENERATOR (RUSSIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100326	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW	D
1	0100020	AR	Sealant, Pipe	
2	0700408	2	Bolt M4 x 16	
3	3290405	2	Nut M4	
4	1001101196	1	Adapter	
5	4811400	4	Washer M4	
6	1001100341	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
7	1001101191	1	Connector, Strain Relief	
8	1060908	10 ft /3.05m	Cable, Electrical 12/3 (Not Shown)	
9	0641416	2	Bolt 1/4 x 2	
10	1705325	1	Decal - 110V	
11	3311405	2	Nut 1/4	
12	4711400	4	Washer 1/4	
13	1001193018	1	Bracket	

FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

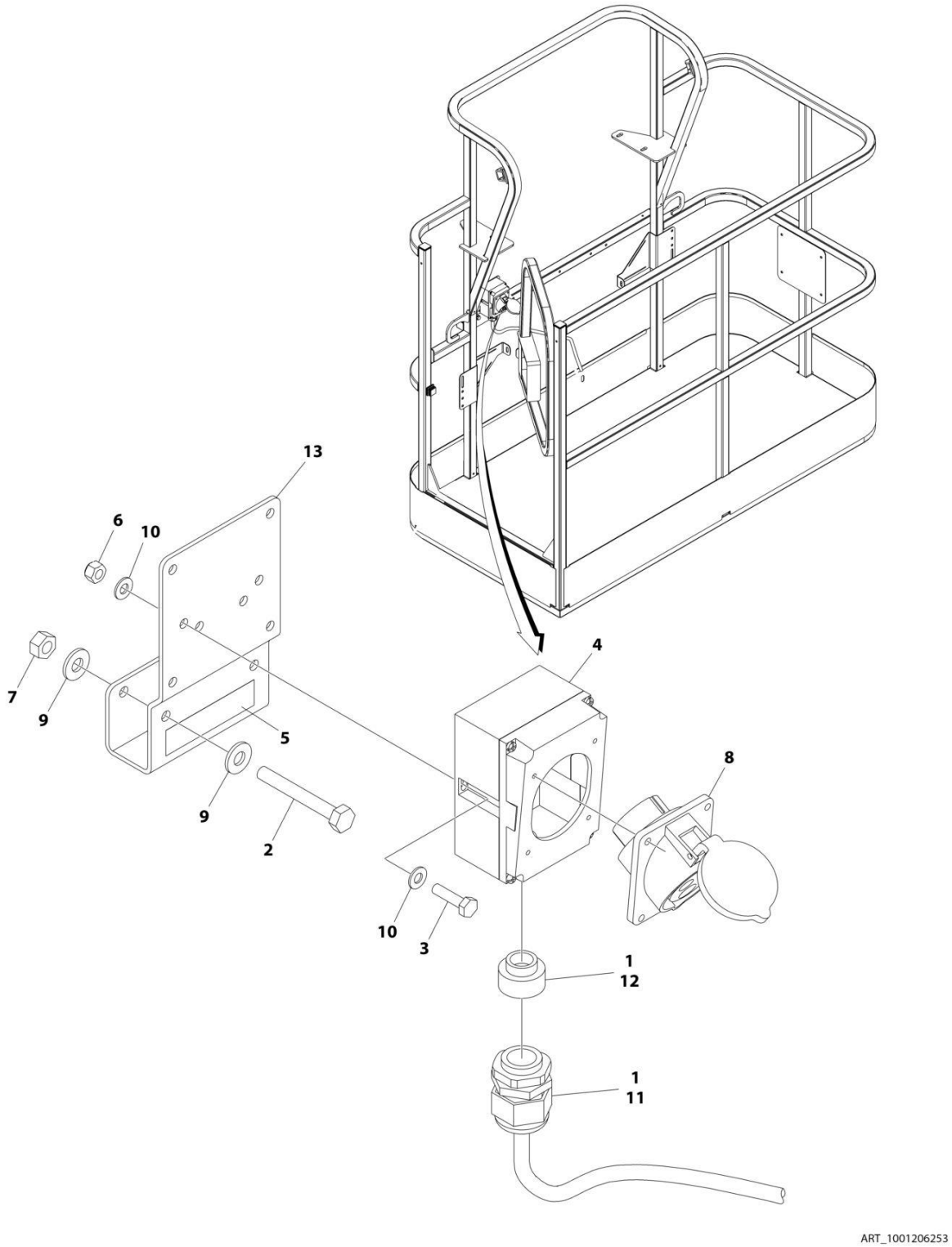


FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206253	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 4000W GENERATOR	A
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	4461198	1	Receptacle	
9	4711400	4	Washer 1/4	
10	4811400	4	Washer M4	
11	1001101191	1	Connector, Strain Relief	
12	1001101196	1	Adapter	
13	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

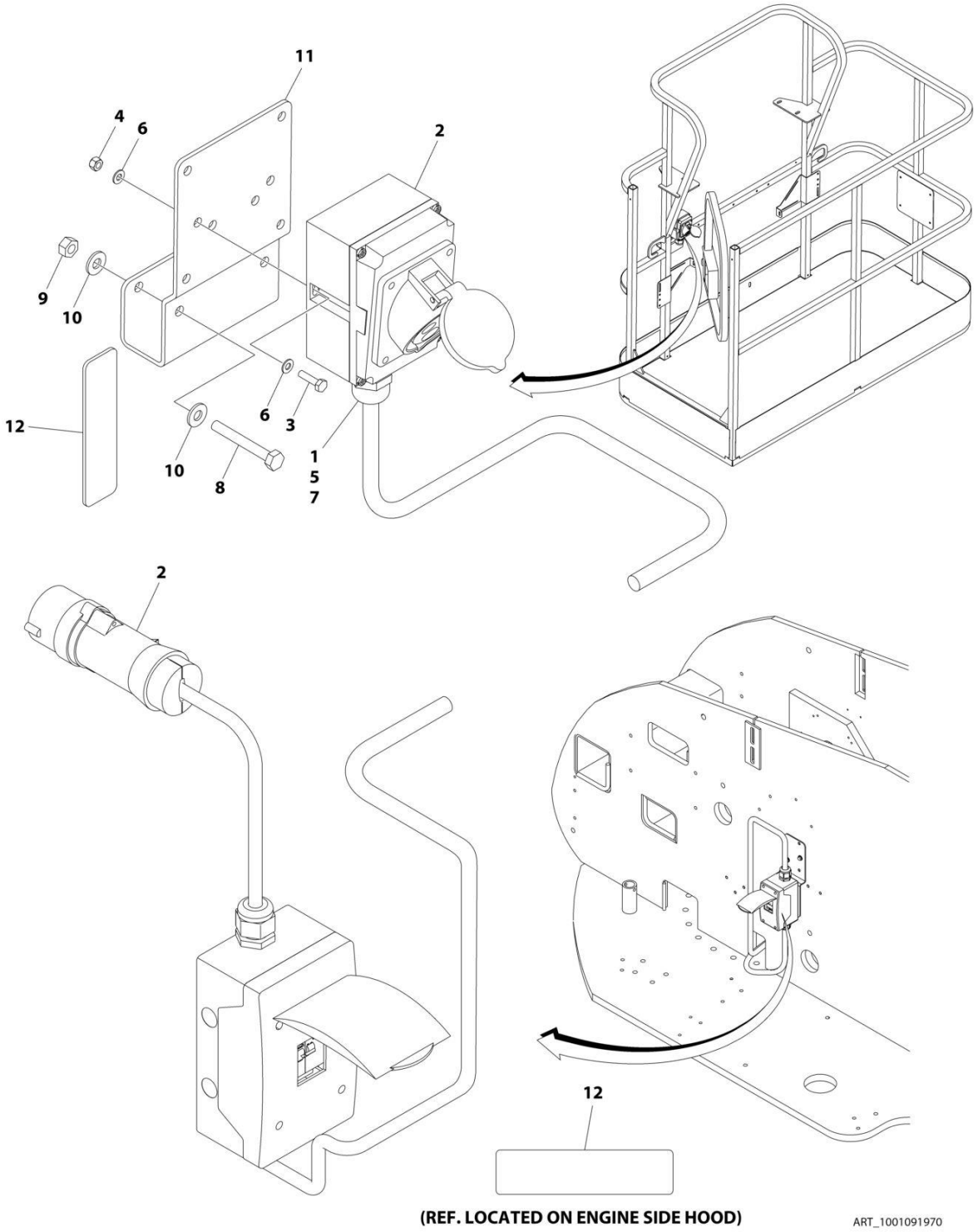


FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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

FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 2500W GENERATOR (RUSSIAN, CE & UK CA SPECS)

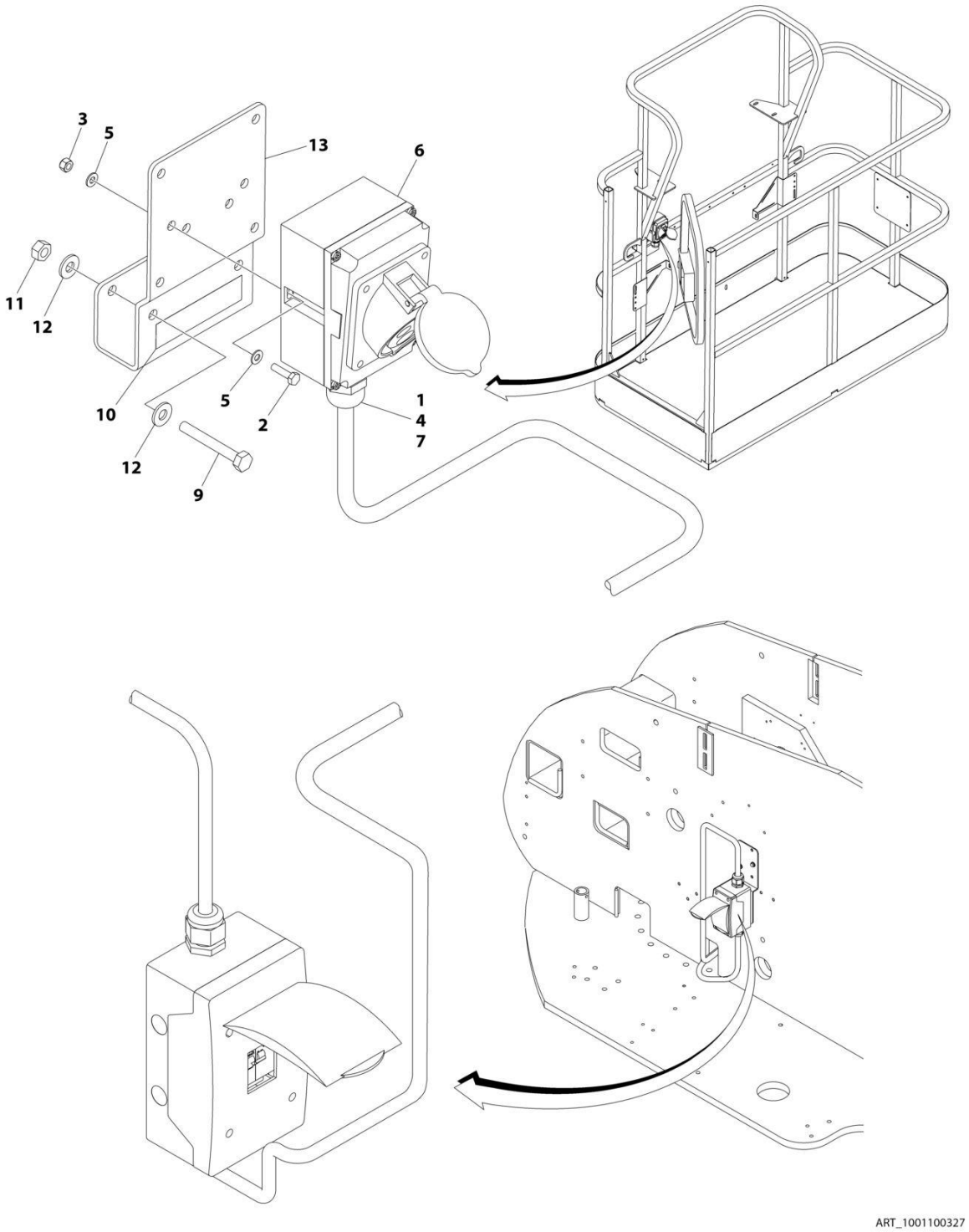


FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 2500W GENERATOR (RUSSIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100327	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE	D
1	0100020	AR	Sealant, Pipe	
2	0700408	2	Bolt M4 x 16	
3	3290405	2	Nut M4	
4	1001101196	1	Adapter	
5	4811400	4	Washer M4	
6	1001100342	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
7	1001101191	1	Connector, Strain Relief	
8	1060908	10 ft /3.05m	Cable, Electrical 12/3 (Not Shown)	
9	0641416	2	Bolt 1/4 x 2	
10	3252507	1	Decal - 220V	
11	3311405	2	Nut 1/4	
12	4711400	4	Washer 1/4	
13	1001193018	1	Bracket	

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

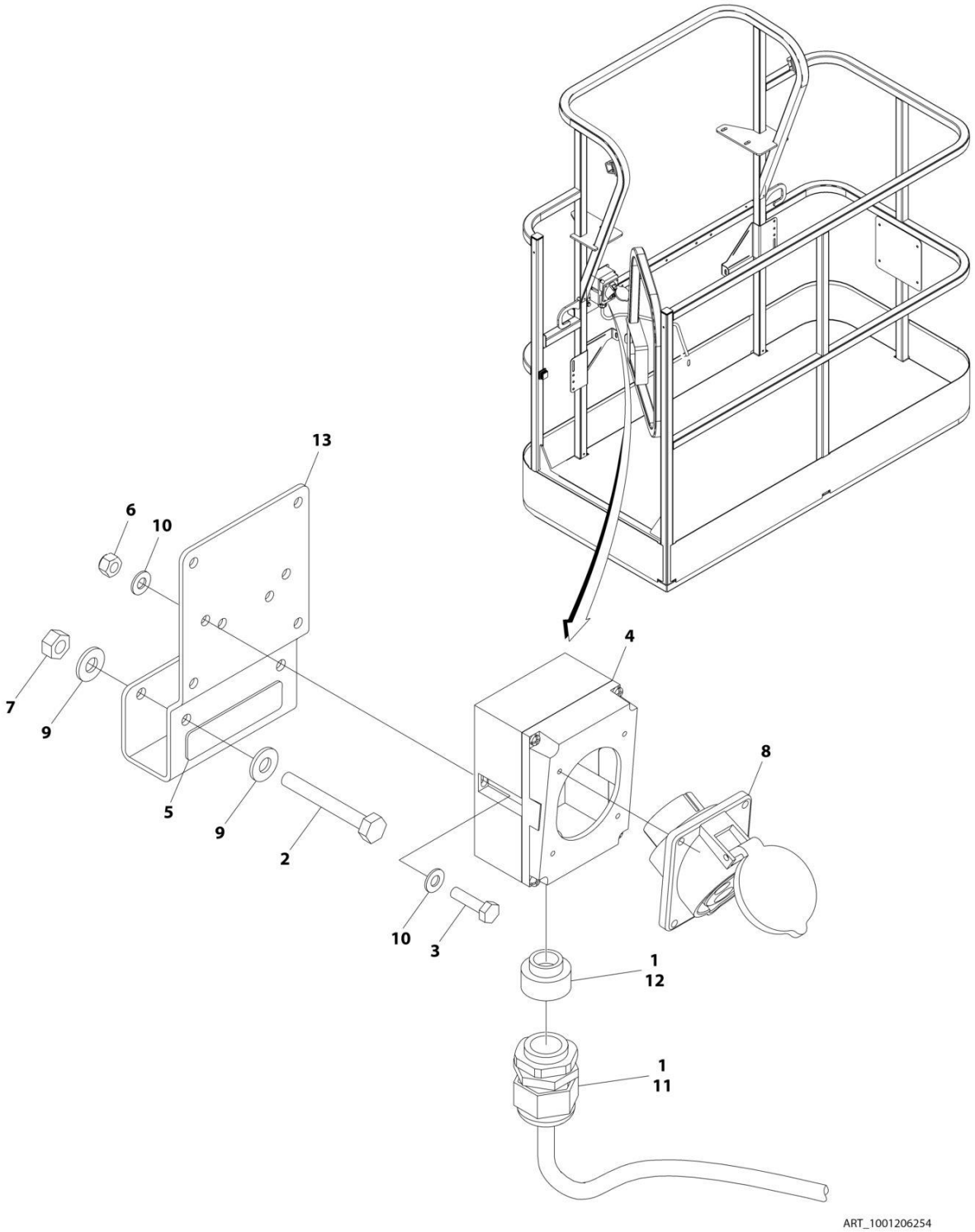


FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206254	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE	A
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	4461201	1	Receptacle	
9	4711400	4	Washer 1/4	
10	4811400	4	Washer M4	
11	1001101191	1	Connector, Strain Relief	
12	1001101196	1	Adapter	
13	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

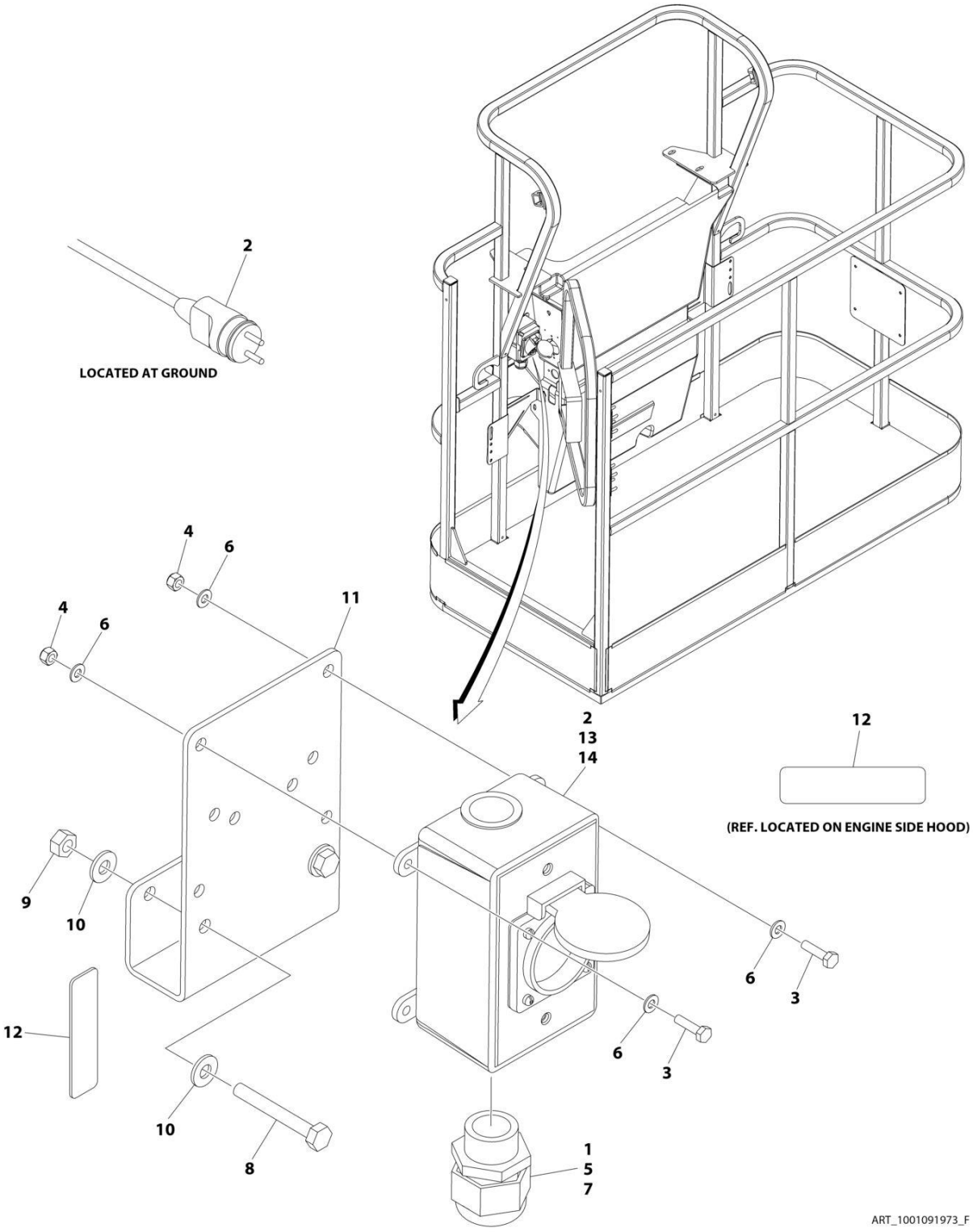


FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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

FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 2500W GENERATOR (RUSSIAN, CE & UK CA SPECS)

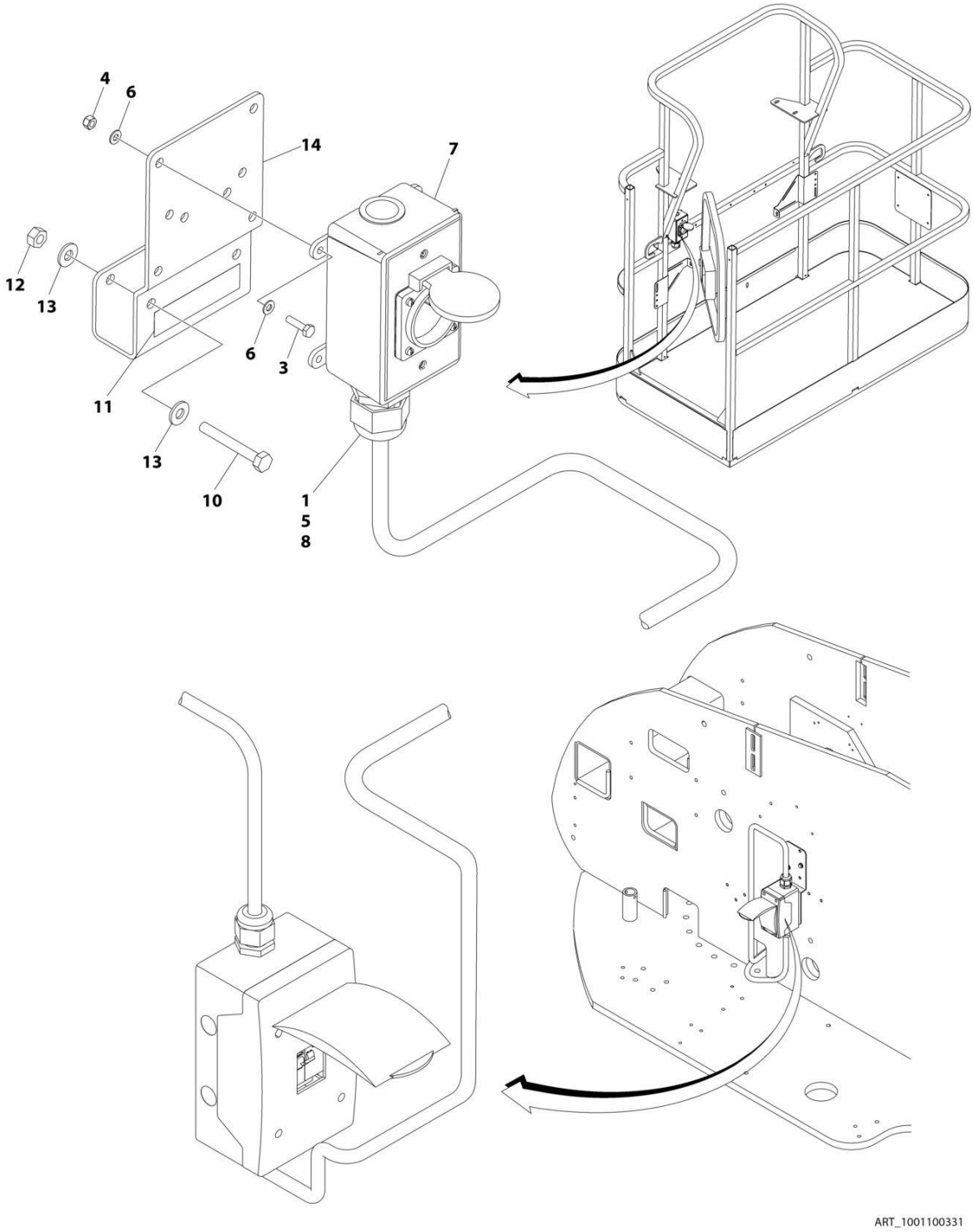


FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 2500W GENERATOR (RUSSIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100331	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX)	E
1	0100020	AR	Sealant, Pipe	
3	0700408	4	Bolt M4 x 16	
4	3290405	4	Nut M4	
5	1001101197	1	Adapter	
6	4811400	8	Washer M4	
7	1001100345	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
8	1001101191	1	Connector, Strain Relief	
9	1060908	10 ft /3.05m	Cable, Electrical 12/3 (Not Shown)	
10	0641416	2	Bolt 1/4 x 2	
11	3252507	1	Decal - 220V	
12	3311405	2	Nut 1/4	
13	4711400	4	Washer 1/4	
14	1001193018	1	Bracket	
15	4460806	2	Terminal, Fork (Not Shown)	
16	1001205958	1	Terminal (Not Shown)	

FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

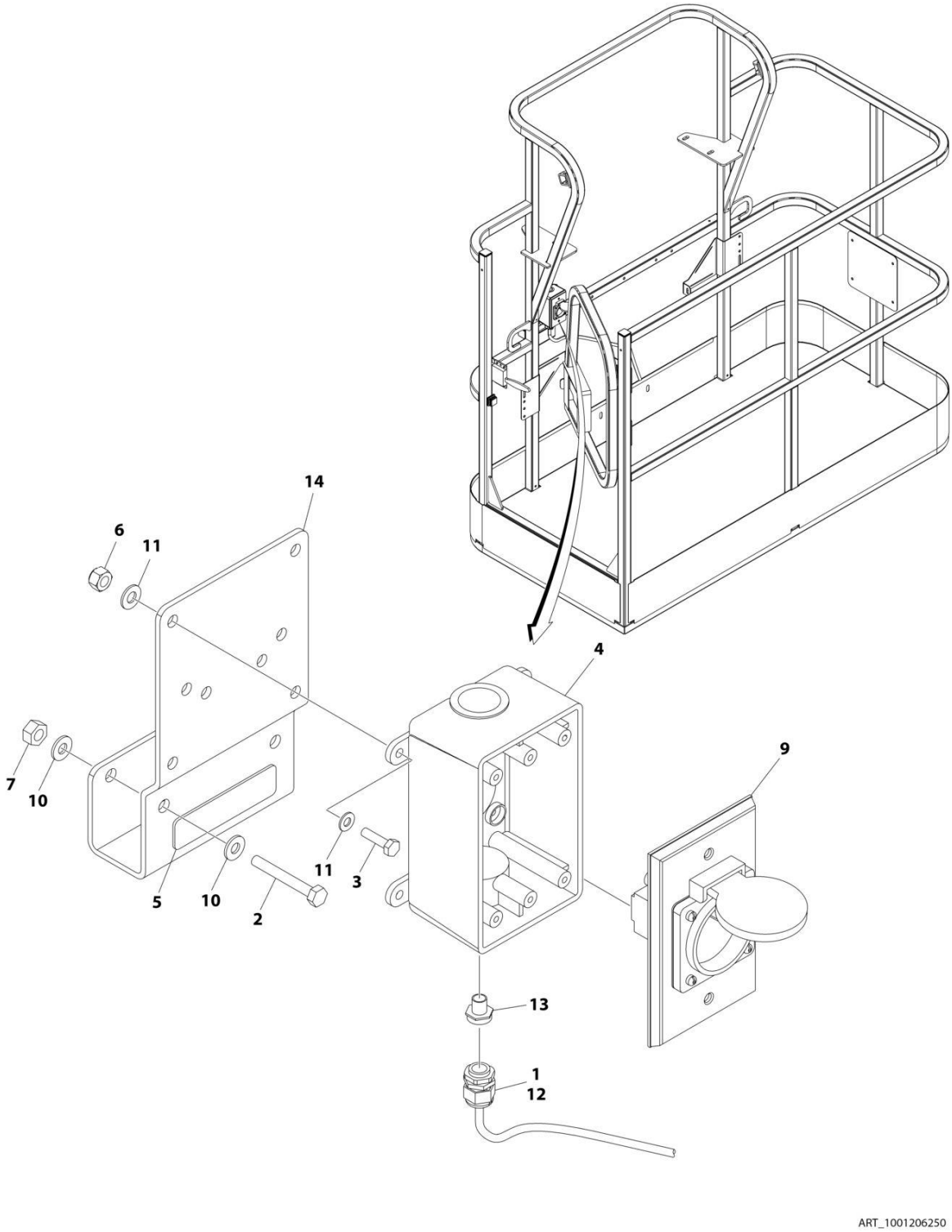


FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206250	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX POST GROUND	A
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	4460806	2	Terminal, Fork (Not Shown)	
9	4461244	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001101191	1	Connector, Strain Relief	
13	1001101197	1	Adapter	
14	1001193018	1	Bracket, AC Receptacle	
15	1001205958	1	Terminal (Not Shown)	

FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

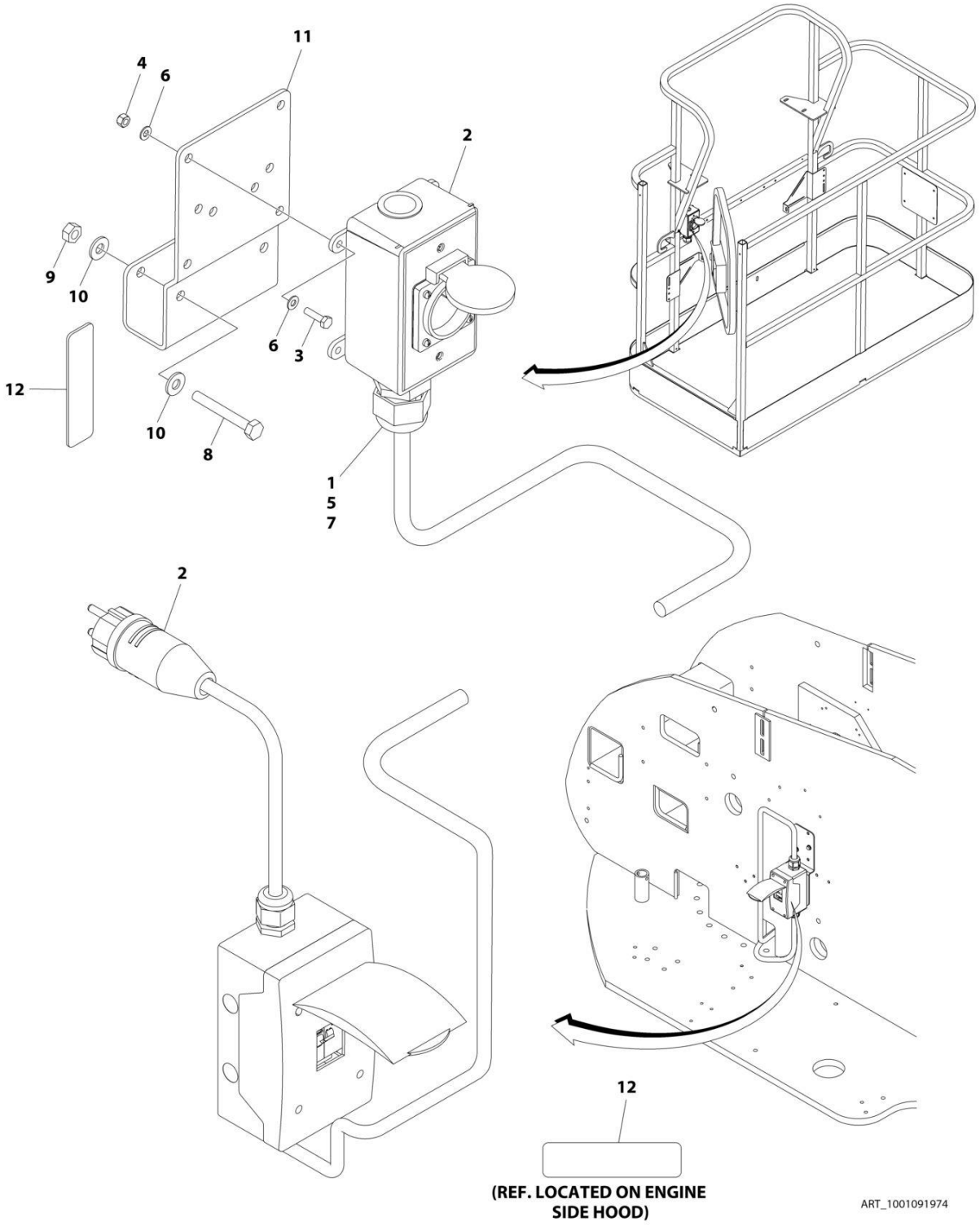


FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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

FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 2500W GENERATOR (RUSSIAN, CE & UK CA SPECS)

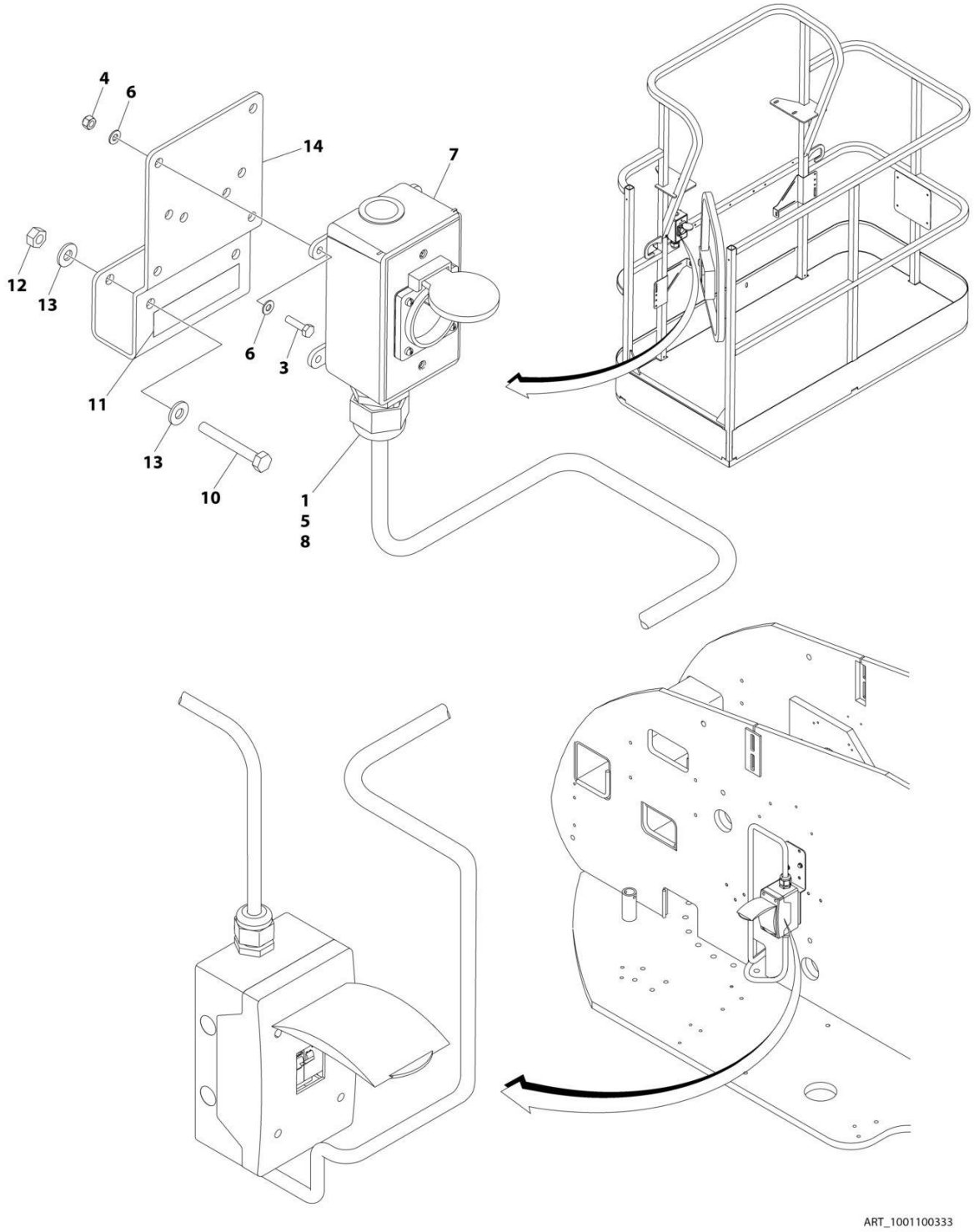


FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 2500W GENERATOR (RUSSIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100333	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX)	E
1	0100020	AR	Sealant, Pipe	
3	0700408	4	Bolt M4 x 16	
4	3290405	4	Nut M4	
5	1001101197	1	Adapter	
6	4811400	8	Washer M4	
7	1001100347	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
8	1001101191	1	Connector, Strain Relief	
9	1060908	10 ft /3.05m	Cable, Electrical 12/3 (Not Shown)	
10	0641416	2	Bolt 1/4 x 2	
11	3252507	1	Decal - 220V	
12	3311405	2	Nut 1/4	
13	4711400	4	Washer 1/4	
14	1001193018	1	Bracket	
15	4460806	2	Terminal, Fork (Not Shown)	
16	1001205958	1	Terminal (Not Shown)	

FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

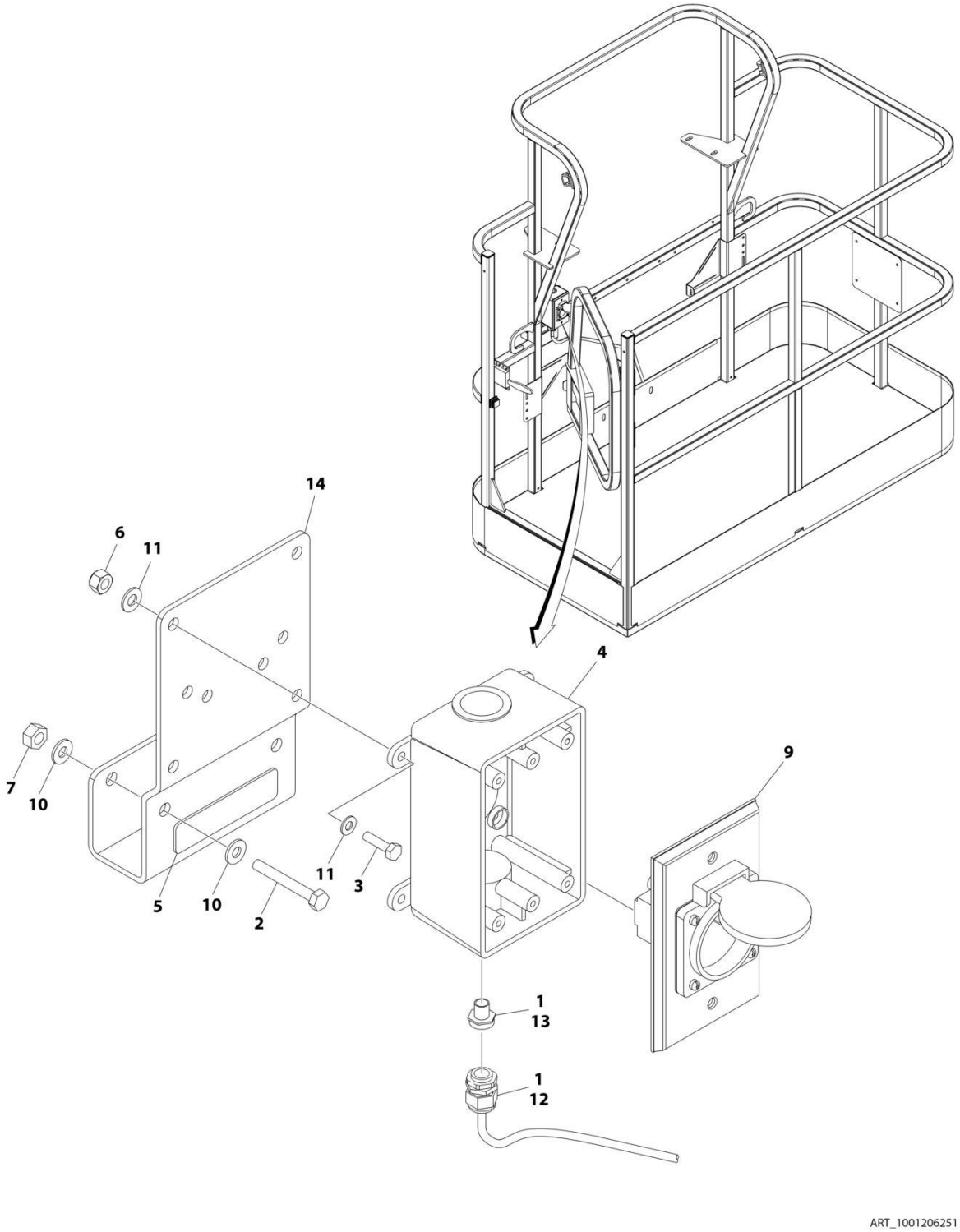


FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206251	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX SIDE GROUND	A
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	4460806	2	Terminal, Fork (Not Shown)	
9	4461245	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001101191	1	Connector, Strain Relief	
13	1001101197	1	Adapter	
14	1001193018	1	Bracket, AC Receptacle	
15	1001205958	1	Terminal (Not Shown)	

FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

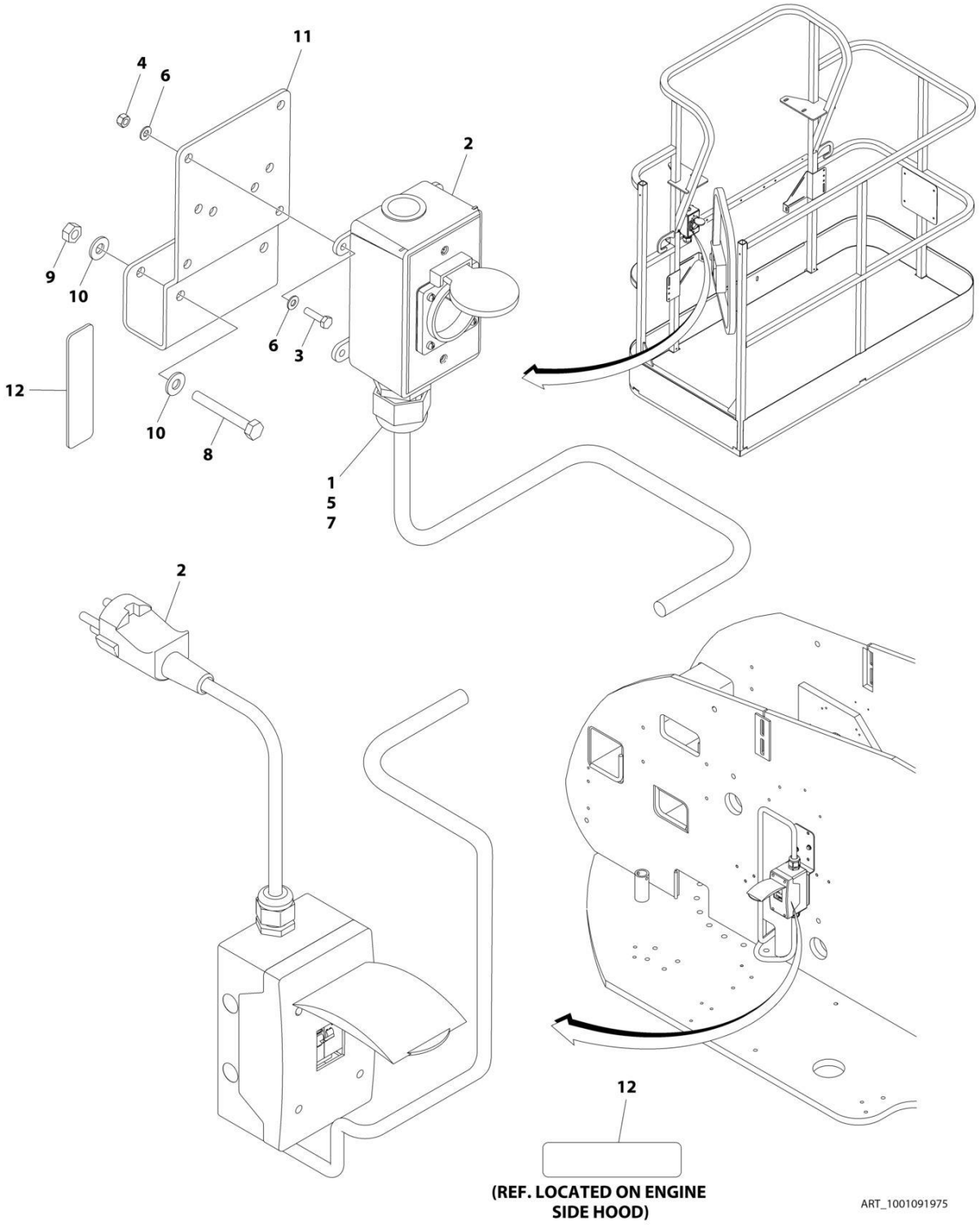


FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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

FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 2500W GENERATOR (RUSSIAN, CE & UK CA SPECS)

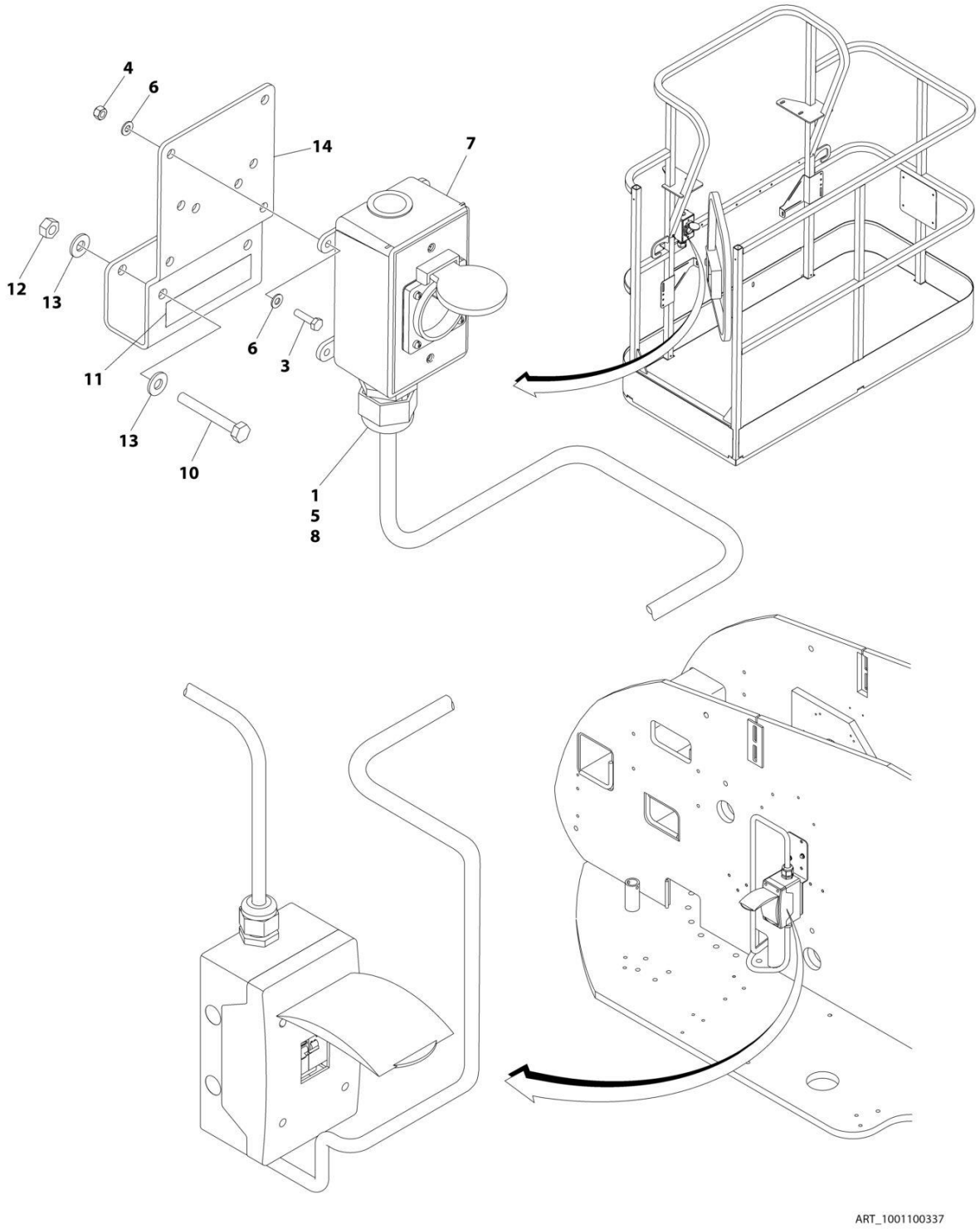


FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 2500W GENERATOR (RUSSIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100337	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 2X4 BOX KEYED GROUND (2X4 BOX)	E
1	0100020	AR	Sealant, Pipe	
3	0700408	4	Bolt M4 x 16	
4	3290405	4	Nut M4	
5	1001101197	1	Adapter	
6	4811400	8	Washer M4	
7	1001100346	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
8	1001101191	1	Connector, Strain Relief	
9	1060908	10 ft /3.05m	Cable, Electrical 12/3 (Not Shown)	
10	0641416	2	Bolt 1/4 x 2	
11	3252507	1	Decal - 220V	
12	3311405	2	Nut 1/4	
13	4711400	4	Washer 1/4	
14	1001193018	1	Bracket	
15	1001205958	3	Terminal (Not Shown)	

FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

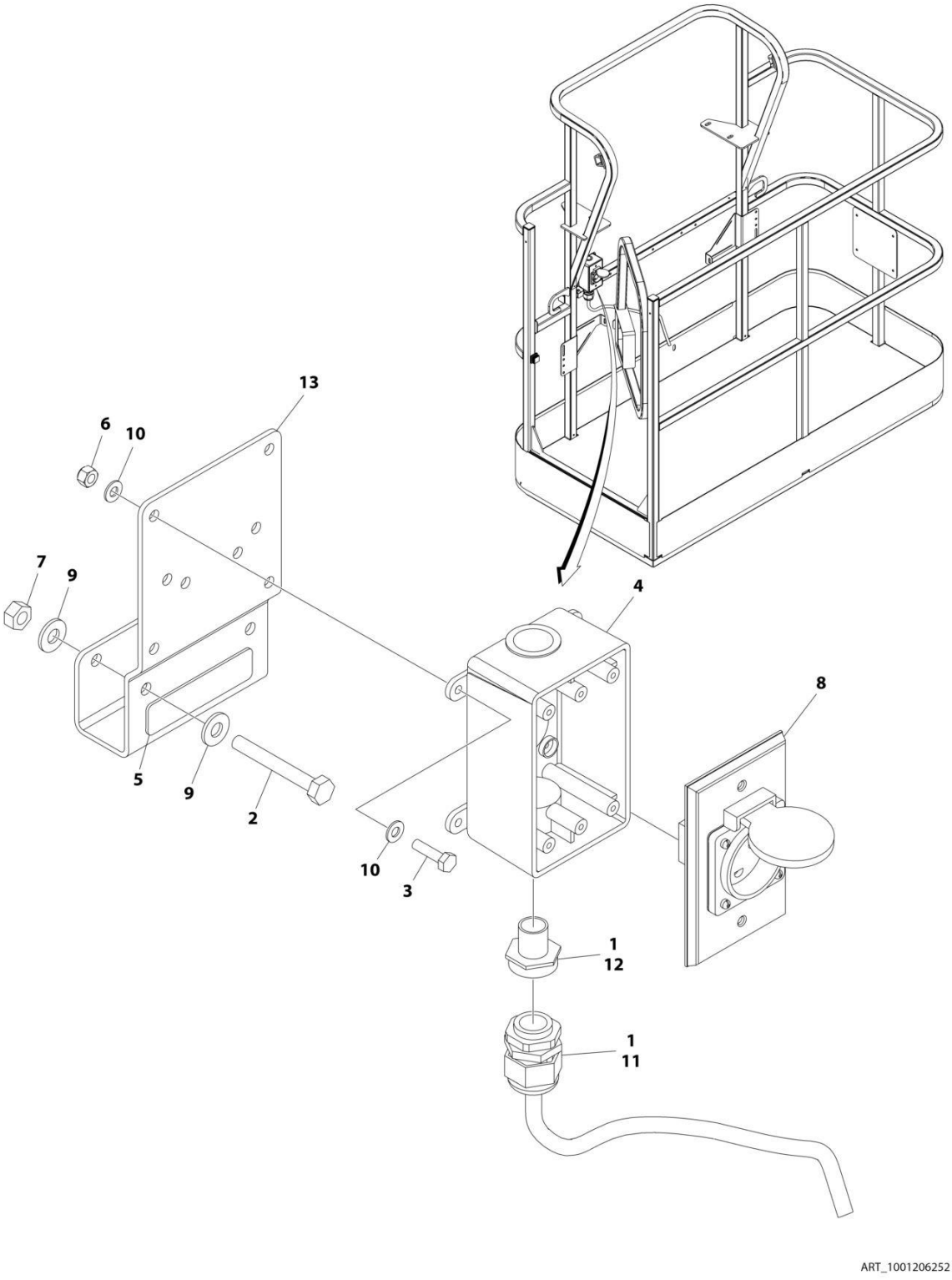


FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (RUSSIAN, CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206252	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 2x4 BOX KEYED GROUND	A
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	4461246	1	Receptacle	
9	4711400	4	Washer 1/4	
10	4811400	8	Washer M4	
11	1001101191	1	Connector, Strain Relief	
12	1001101197	1	Adapter	
13	1001193018	1	Bracket, AC Receptacle	
14	1001205958	3	Terminal (Not Shown)	

FIGURE 8-20. AC BOX AT PLATFORM INSTALLATION - 220V (2X4 BOX & COVER ONLY - LOCALLY SUPPLIED RECEPTACLE) (4000W GENERATOR)

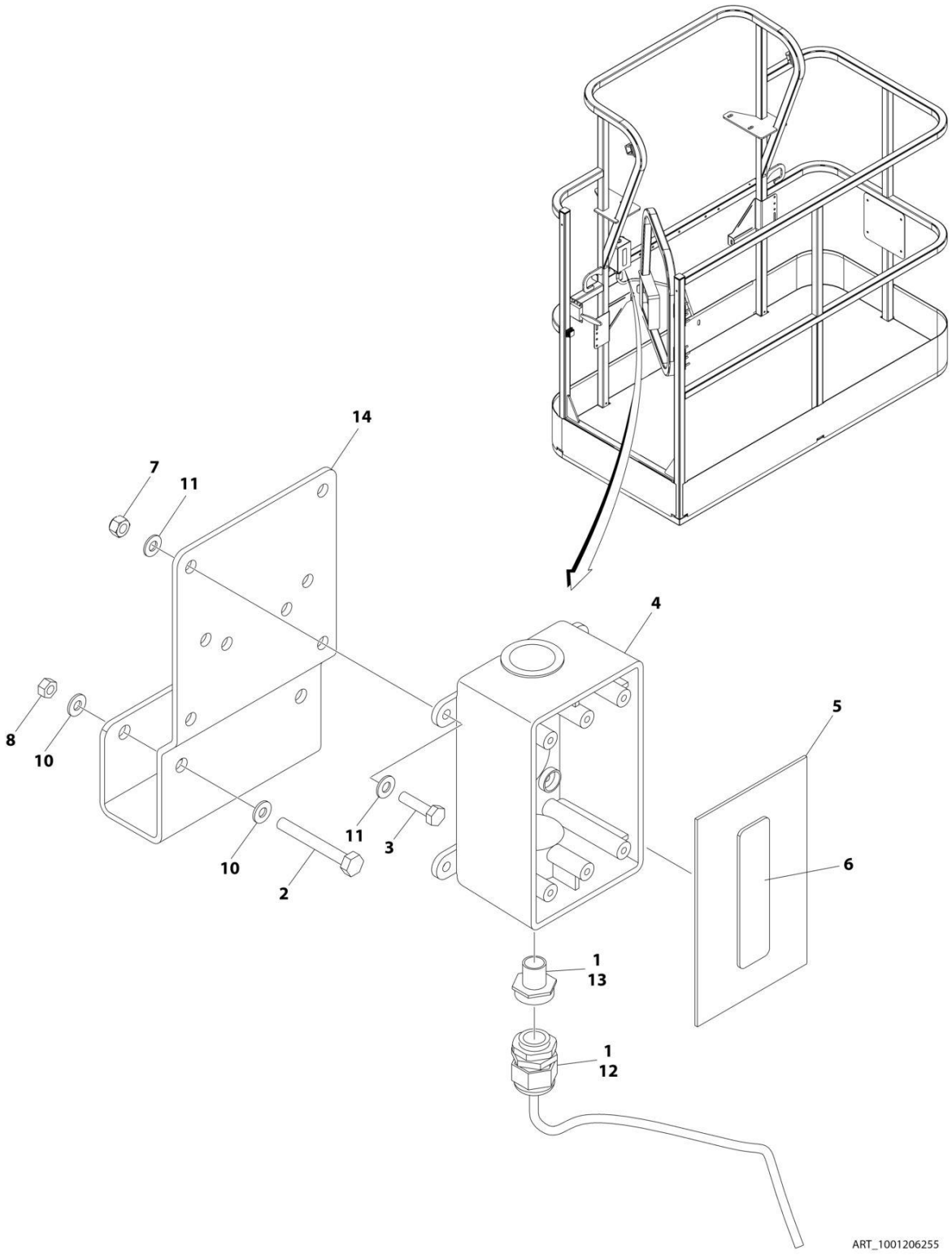


FIGURE 8-20. AC BOX AT PLATFORM INSTALLATION - 220V (2X4 BOX & COVER ONLY - LOCALLY SUPPLIED RECEPTACLE) (4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206255	Ref	AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) WITH 4000W GENERATOR	A
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	1670603	1	Cover	
6	3251242	1	Decal - 240V-50Hz	
7	3290405	4	Nut M4	
8	3311405	2	Nut 1/4	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001101191	1	Connector, Strain Relief	
13	1001101197	1	Adapter	
14	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-21. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI, ANSI EXPORT AND CSA SPECS WITH 4000W SKYPOWER GENERATOR)

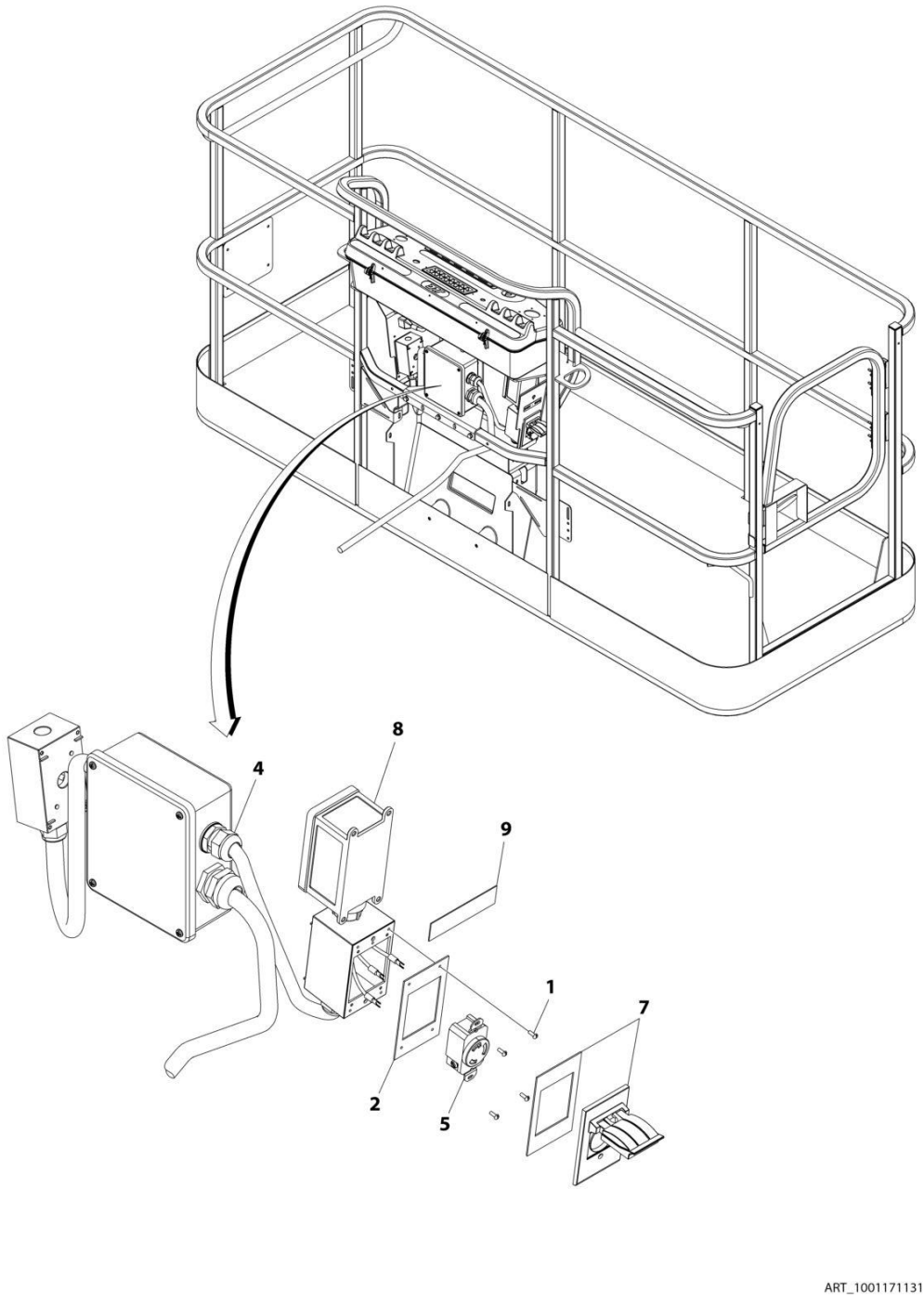


FIGURE 8-21. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI, ANSI EXPORT AND CSA SPECS WITH 4000W SKYPOWER GENERATOR)

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

FIGURE 8-22. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI AND CSA SPECS WITH 7500W SKYPOWER GENERATOR)

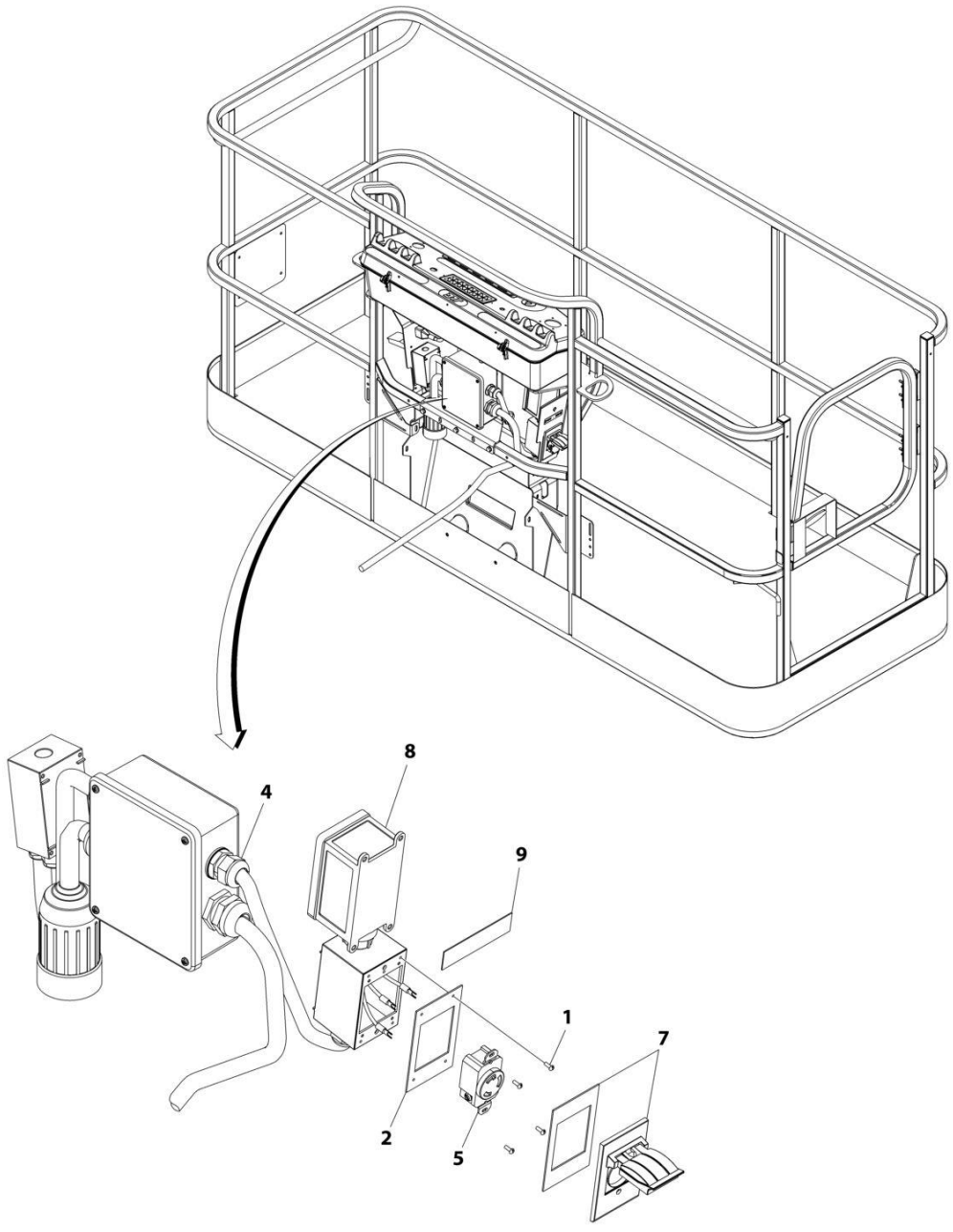


FIGURE 8-22. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI AND CSA SPECS WITH 7500W SKYPOWER GENERATOR)

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 8-23. AC CABLE WITH 16 AMP BREAKER INSTALLATION (WITHOUT 7500W SKYPOWER GENERATOR) (CE & UK CA SPECS)

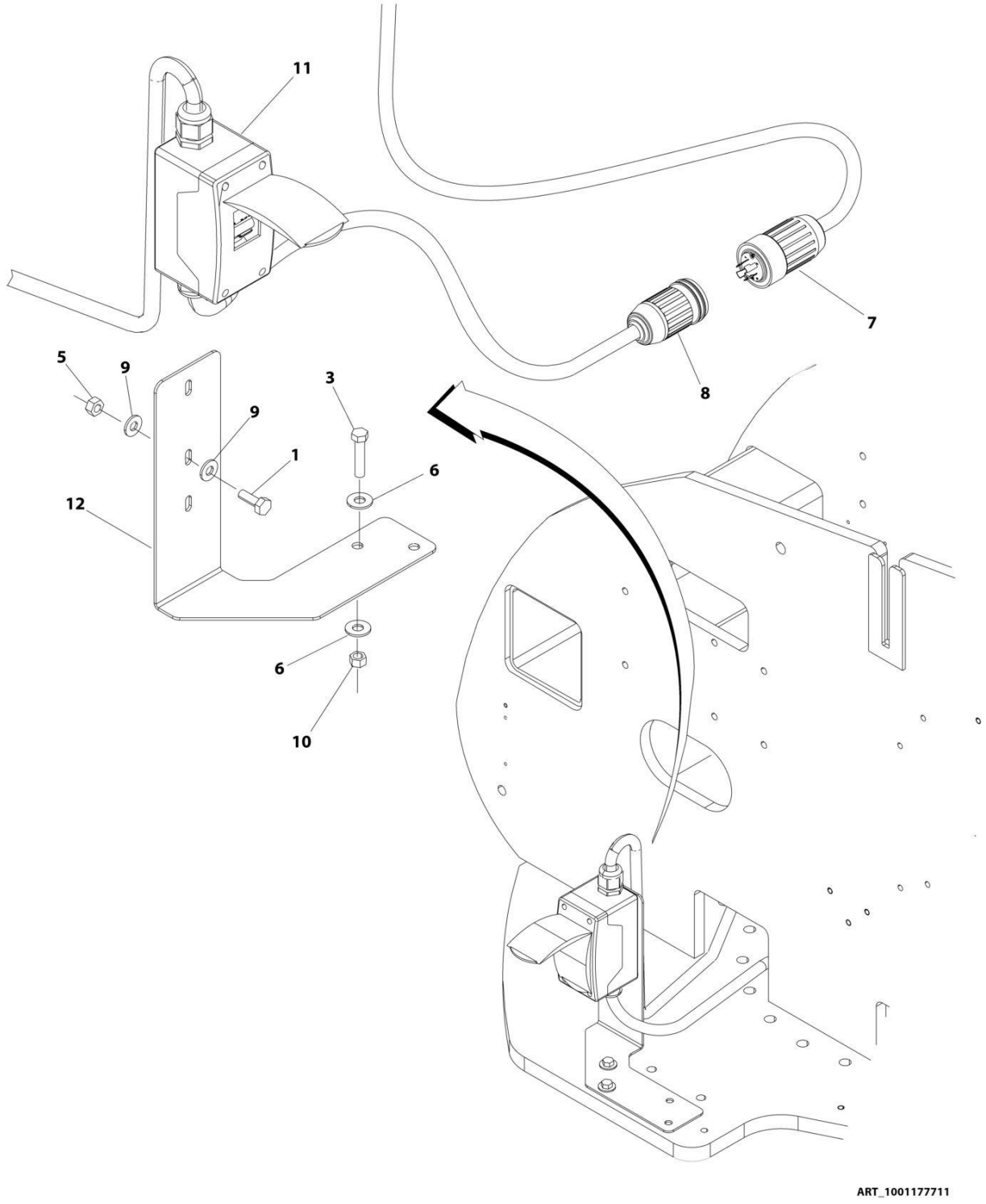


FIGURE 8-23. AC CABLE WITH 16 AMP BREAKER INSTALLATION (WITHOUT 7500W SKYPOWER GENERATOR) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177711	Ref	AC CABLE WITH 16 AMP BREAKER INSTALLATION	D
1	0641406	2	Bolt 1/4 x 3/4	
3	0641614	2	Bolt 3/8 x 1-3/4	
5	3311405	2	Nut 1/4	
6	3311605	2	Nut 3/8	
7	1001213584	1	Plug, Male	
8	1001213585	1	Receptacle, Female	
9	4711400	2	Washer 1/4	
10	4751600	2	Washer 3/8	
11	1001109654	1	Breaker Box Kit - With 2 Breakers (See Separate Breakdown in this Section)	
12	1001177910	1	Bracket	

FIGURE 8-24. AC CABLE WITH 10 AMP BREAKER INSTALLATION (WITHOUT 7500W SKYPOWER GENERATOR) (CE & UK CA SPECS)

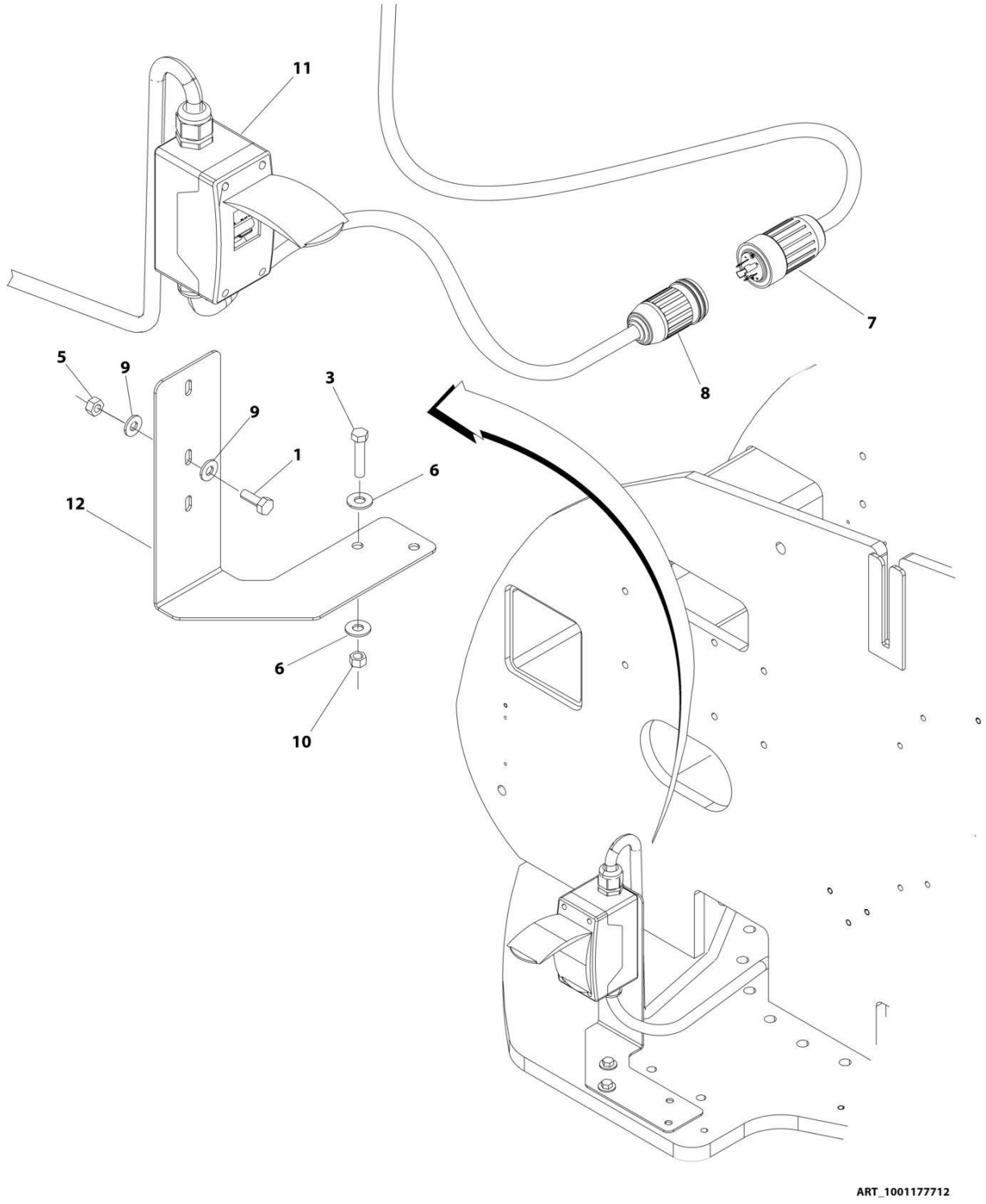


FIGURE 8-24. AC CABLE WITH 10 AMP BREAKER INSTALLATION (WITHOUT 7500W SKYPOWER GENERATOR) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177712	Ref	AC CABLE WITH 10 AMP BREAKER INSTALLATION	C
1	0641406	2	Bolt 1/4 x 3/4	
3	0641614	2	Bolt 3/8 x 1-3/4	
5	3311405	2	Nut 1/4	
6	3311605	2	Nut 3/8	
7	1001213584	1	Plug, Male	
8	1001213585	1	Receptacle, Female	
9	4711400	4	Washer 1/4	
10	4751600	4	Washer 3/8	
11	1001109648	1	Breaker Box Kit - With 2 Breakers (See Separate Breakdown in this Section)	
12	1001177910	1	Bracket	

FIGURE 8-25. ANALYZER CABLE HARNESS

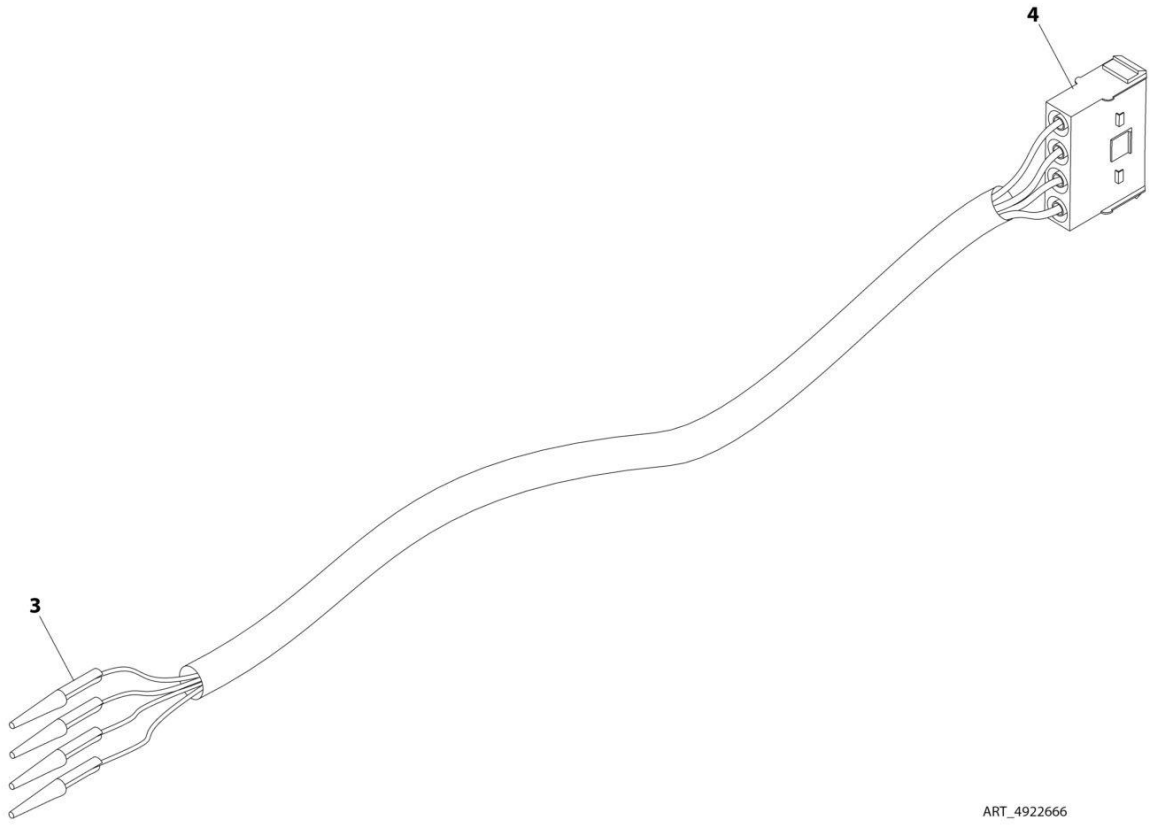


FIGURE 8-25. ANALYZER CABLE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922666	Ref	ANALYZER CABLE HARNESS	C
3	4460226	4	Socket, Female	
4	4460761	1	Connector - 4 Position	
4	4460227	4	Pin, Male	

FIGURE 8-26. BATTERY DISCONNECT SWITCH INSTALLATION

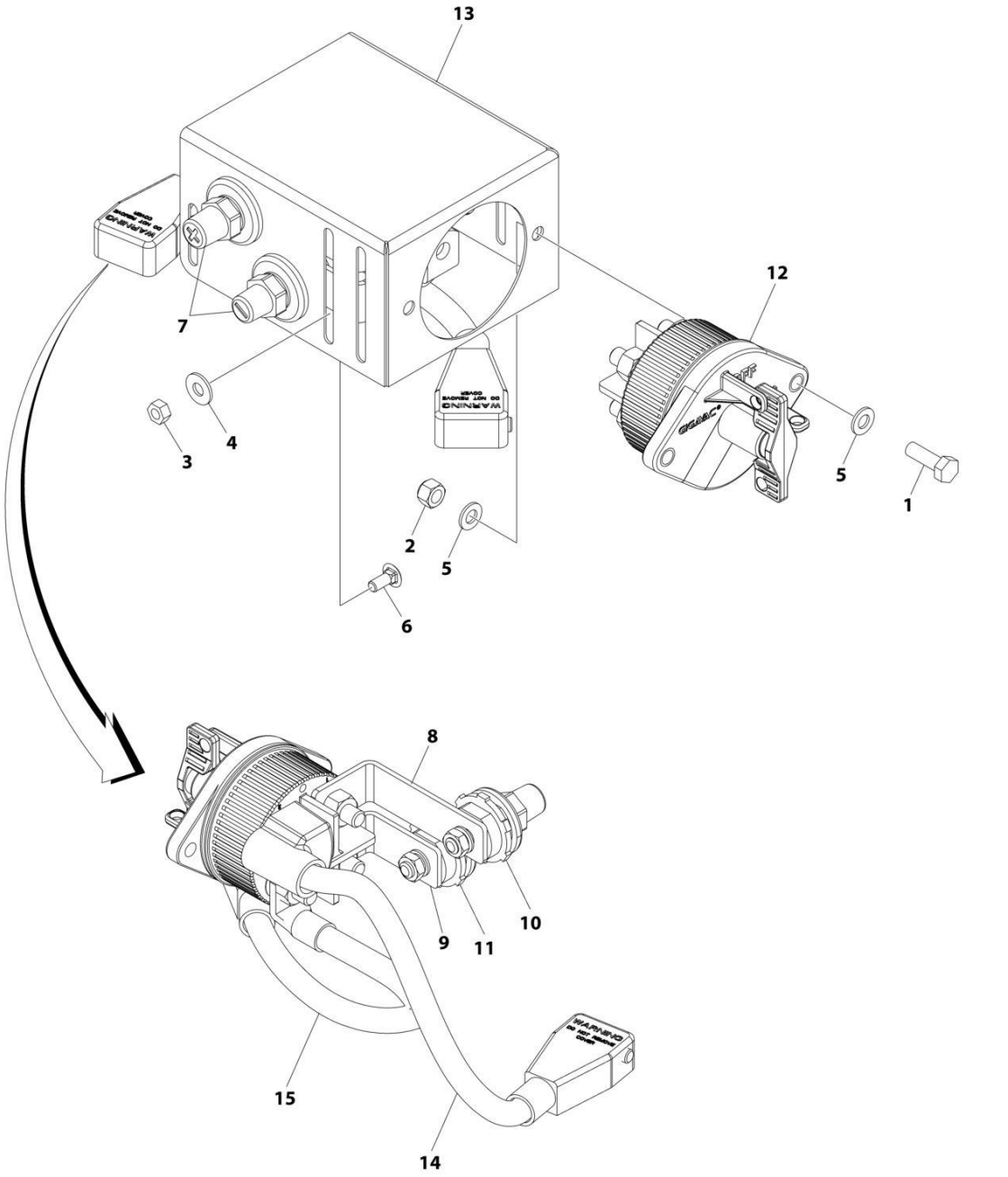


FIGURE 8-26. BATTERY DISCONNECT SWITCH INSTALLATION

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

FIGURE 8-27. BEACON CONTROL HARNESS (BLUE AND RED STROBE LIGHTS)

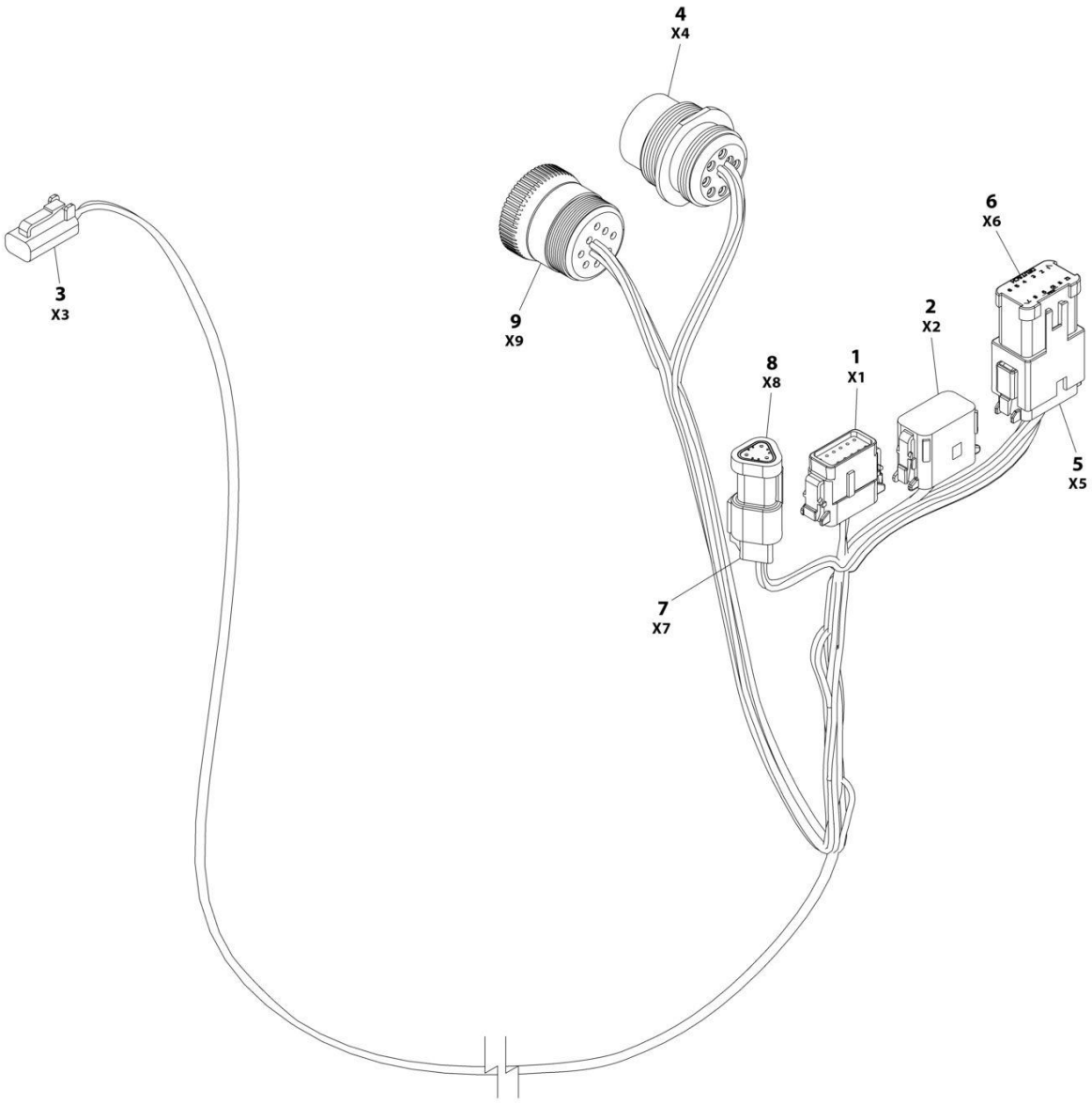


FIGURE 8-27. BEACON CONTROL HARNESS (BLUE AND RED STROBE LIGHTS)

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

FIGURE 8-28. BOOM CABLES INSTALLATION - WITHOUT ARCTIC PACKAGE (ALL SPECS) (860SJ HC3)

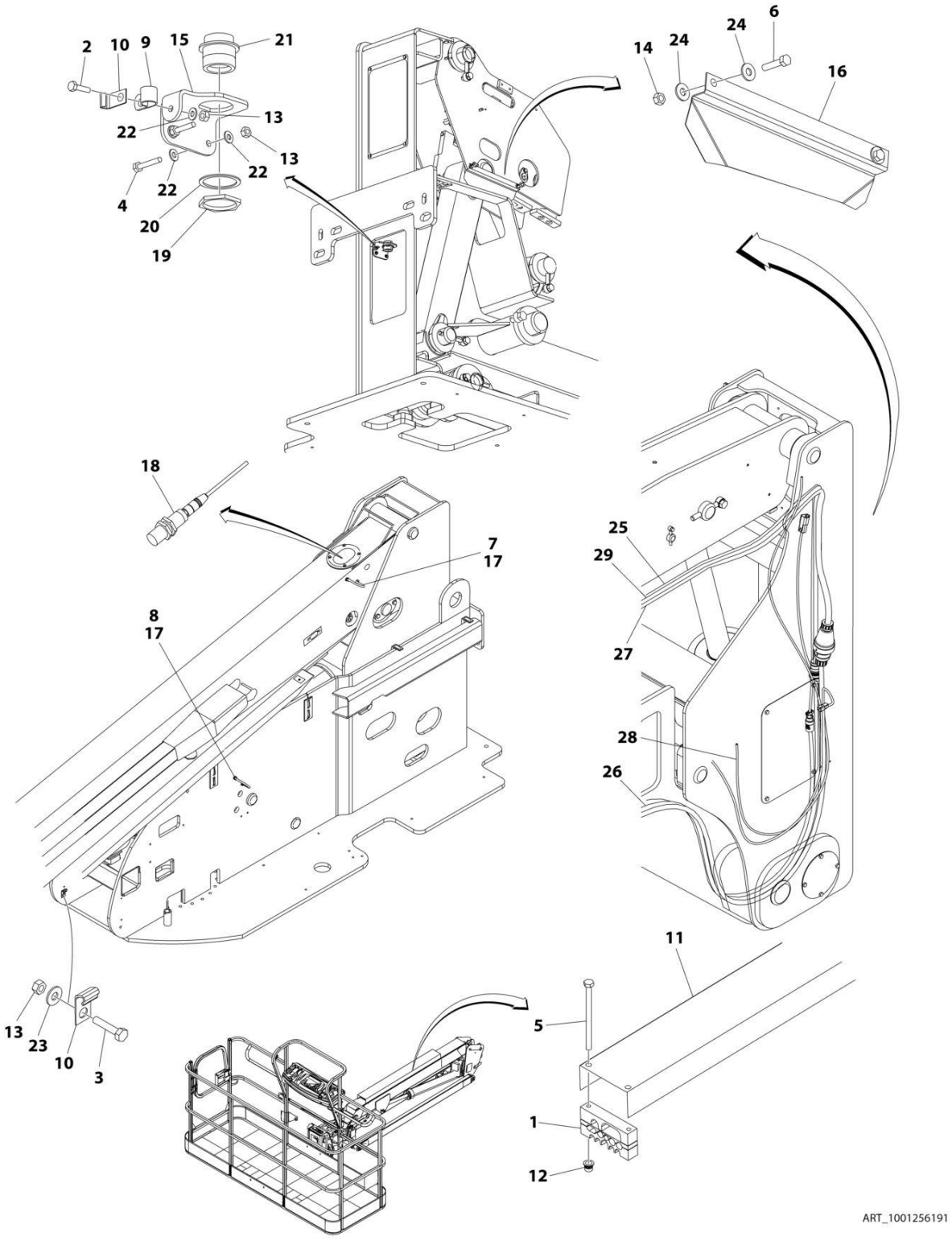


FIGURE 8-28. BOOM CABLES INSTALLATION - WITHOUT ARCTIC PACKAGE (ALL SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256191	Ref	BOOM CABLES INSTALLATION	D
1	0561484	2	Block, Clamp	
2	0641408	1	Bolt 1/4 x 1	
3	0641410	1	Bolt 1/4 x 1-1/4	
4	0641412	2	Bolt 1/4 x 1-1/2	
5	0700626	4	Bolt M6 x 90	
6	0641511	2	Bolt 5/16 x 1-3/8	
7	0641604	2	Bolt 3/8 x 1/2	
8	0641607	2	Bolt 3/8 x 7/8	
9	1320061	1	Clamp	
10	1320223	2	Clamp	
11	1671034	1	Cover	
12	1001260680	4	Rivnut M6	
13	3311405	4	Nut 1/4	
14	3311505	2	Nut 5/16	
15	3573047	1	Plate	
16	3573296	1	Plate	
17	3841340	2	Rod	
18	4360506	1	Switch, Proximity	
19	4460470	1	Nut, Terminal	
20	4460471	1	Washer, Terminal	
21	4460866	1	Connector - 19 Pin	
22	4711400	5	Washer 1/4	
23	4751400	1	Washer 1/4	
24	4751500	4	Washer 5/16	
25	4922567	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
26	4922569	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
27	4922660	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
28	4922876	1	AC Cable, 10/3 (Tower Boom)	
29	4922878	1	AC Cable, 10/3 (Main Boom)	

FIGURE 8-29. BOOM CABLES INSTALLATION - WITH ARCTIC PACKAGE (ANSI, ANSI EXPORT AND CSA SPECS) (860SJ HC3)

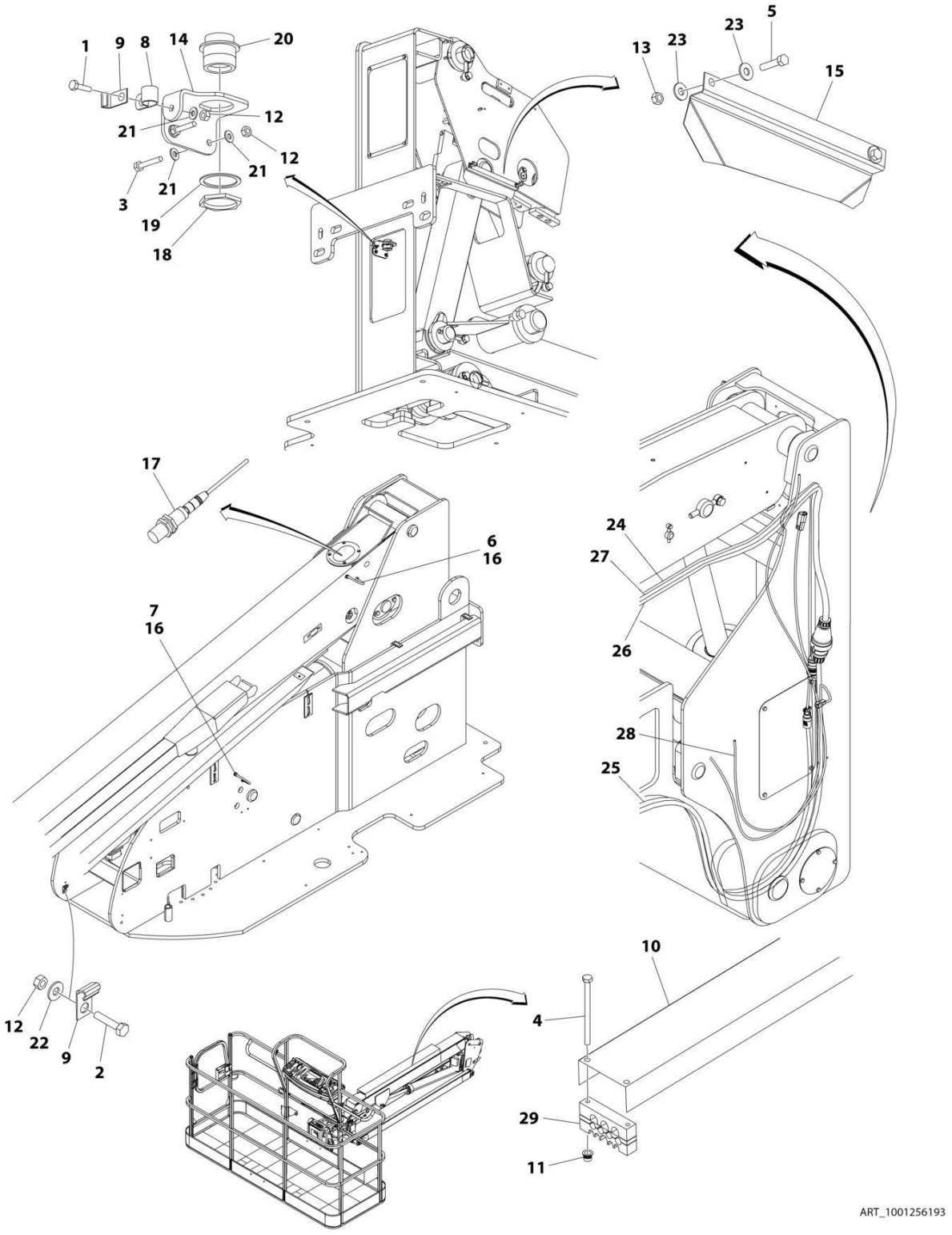


FIGURE 8-29. BOOM CABLES INSTALLATION - WITH ARCTIC PACKAGE (ANSI, ANSI EXPORT AND CSA SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256193	Ref	BOOM CABLES INSTALLATION	C
1	0641408	1	Bolt 1/4 x 1	
2	0641410	1	Bolt 1/4 x 1-1/4	
3	0641412	2	Bolt 1/4 x 1-1/2	
4	0700626	1	Bolt M6 x 90	
5	0641511	2	Bolt 5/16 x 1-3/8	
6	0641604	2	Bolt 3/8 x 1/2	
7	0641607	2	Bolt 3/8 x 7/8	
8	1320061	1	Clamp	
9	1320223	2	Clamp	
10	1671034	1	Cover	
11	1001260680	4	Rivnut M6	
12	3311405	4	Nut 1/4	
13	3311505	2	Nut 5/16	
14	3573047	1	Plate	
15	3573296	1	Plate	
16	3841340	2	Rod	
17	4360506	1	Switch, Proximity	
18	4460470	1	Nut, Terminal	
19	4460471	1	Washer, Terminal	
20	4460866	1	Connector - 19 Pin	
21	4711400	5	Washer 1/4	
22	4751400	1	Washer 1/4	
23	4751500	4	Washer 5/16	
24	4923595	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
25	4923596	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
26	4923597	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
27	4923600	1	AC Cable, 10/3 (Main Boom)	
28	4923601	1	AC Cable, 10/3 (Tower Boom)	
29	1001091472	2	Block, Clamp	

FIGURE 8-30. BOOM CABLES INSTALLATION - WITH 4000W GENERATOR AND WITHOUT ARCTIC PACKAGE (ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) (860SJ HC3)

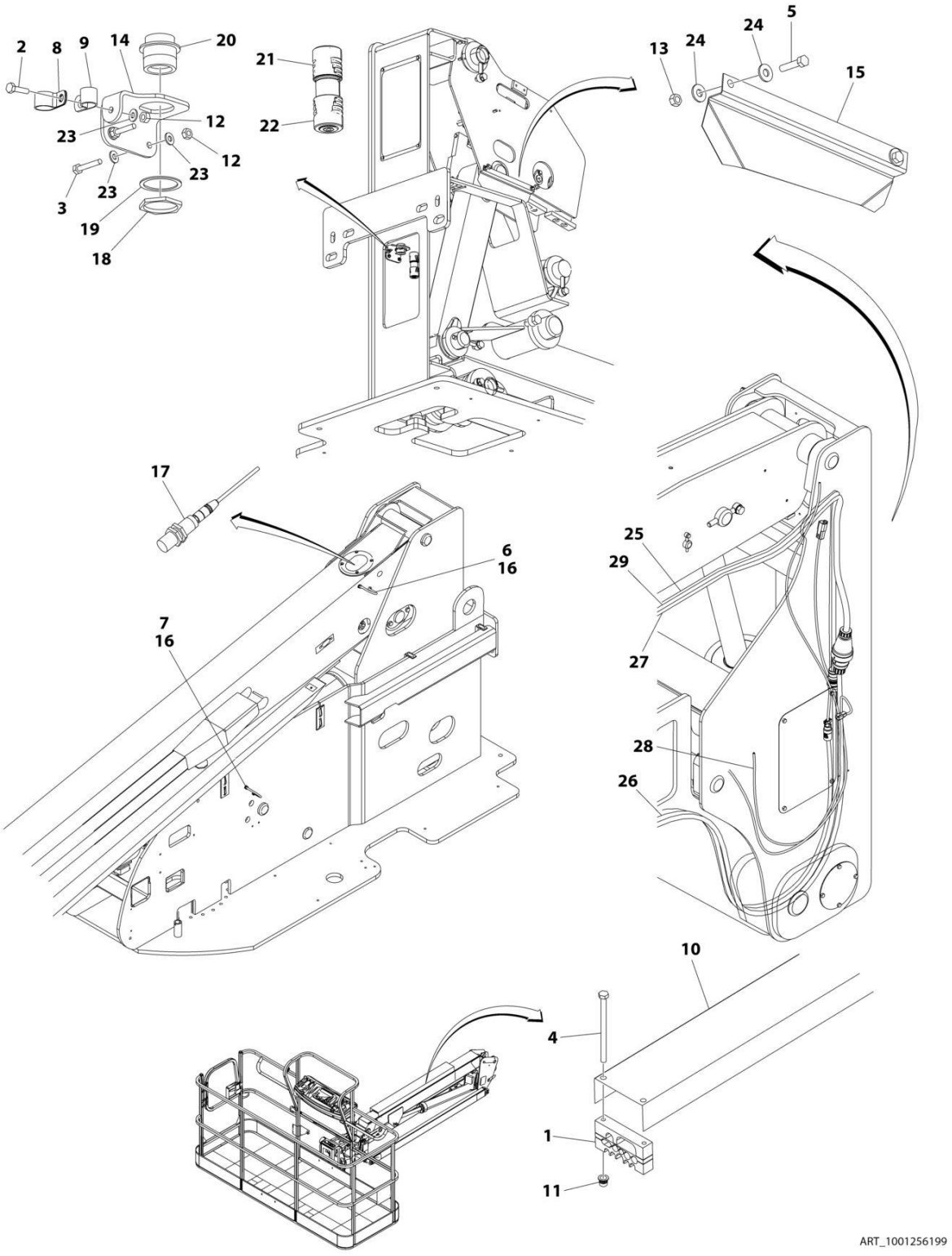


FIGURE 8-30. BOOM CABLES INSTALLATION - WITH 4000W GENERATOR AND WITHOUT ARCTIC PACKAGE (ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256199	Ref	BOOM CABLES INSTALLATION	C
1	0561484	2	Block, Clamp	
2	0641408	1	Bolt 1/4 x 1	
3	0641412	2	Bolt 1/4 x 1-1/2	
4	0700626	4	Bolt M6 x 90	
5	0641511	2	Bolt 5/16 x 1-3/8	
6	0641604	2	Bolt 3/8 x 1/2	
7	0641607	2	Bolt 3/8 x 7/8	
8	1320041	1	Clamp	
9	1320061	1	Clamp	
10	1671034	1	Cover	
11	1001260680	4	Rivnut M6	
12	3311405	3	Nut 1/4	
13	3311505	2	Nut 5/16	
14	3573047	1	Plate	
15	3573296	1	Plate	
16	3841340	2	Rod	
17	4360506	1	Switch, Proximity	
18	4460470	1	Nut, Terminal	
19	4460471	1	Washer, Terminal	
20	4460866	1	Connector - 19 Pin	
21	4460959	1	Terminal, Turnlock Plug	
22	4460960	1	Terminal, Turnlock Connector	
23	4711400	5	Washer 1/4	
24	4751500	4	Washer 5/16	
25	4922567	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
26	4922569	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
27	4922660	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
28	1001156425	1	AC Cable, 10/4 (Tower Boom)	
29	1001156427	1	AC Cable, 10/4 (Main Boom)	

FIGURE 8-31. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITHOUT ARCTIC PACKAGE (ALL SPECS) (860SJ HC3)

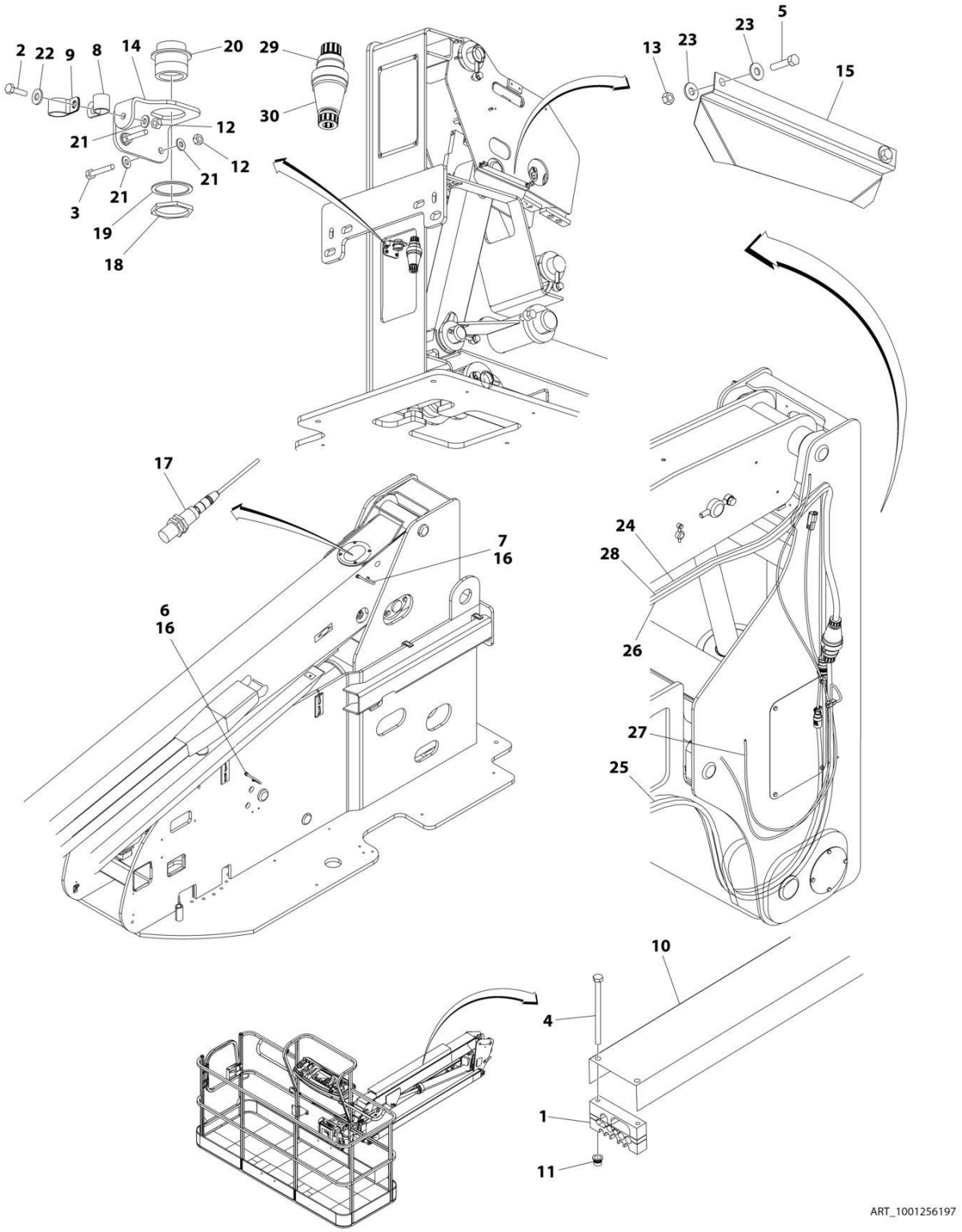


FIGURE 8-31. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITHOUT ARCTIC PACKAGE (ALL SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256197	Ref	BOOM CABLES INSTALLATION	C
1	0561484	2	Block, Clamp	
2	0641408	1	Bolt 1/4 x 1	
3	0641412	2	Bolt 1/4 x 1-1/2	
4	0700626	4	Bolt M6 x 90	
5	0641511	2	Bolt 5/16 x 1-3/8	
6	0641604	2	Bolt 3/8 x 1/2	
7	0641607	2	Bolt 3/8 x 7/8	
8	1320061	1	Clamp	
9	1320202	1	Clamp	
10	1671034	1	Cover	
11	1001176636	4	Rivnut M6	
11	1001260680	4	Rivnut M6	
12	3311405	3	Nut 1/4	
13	3311505	2	Nut 5/16	
14	3573047	1	Plate	
15	3573296	1	Plate	
16	3841340	2	Rod	
17	4360506	1	Switch, Proximity	
18	4460470	1	Nut, Terminal	
19	4460471	1	Washer, Terminal	
20	4460866	1	Connector - 19 Pin	
21	4711400	5	Washer 1/4	
22	4751400	1	Washer 1/4	
23	4751500	4	Washer 5/16	
24	4922567	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
25	4922569	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
26	4922660	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
27	1001121669	1	AC Cable, 8/5 (Tower Boom)	
28	1001121671	1	AC Cable, 8/5 (Main Boom)	
29	1001218622	1	Terminal, Turnlock Plug	
30	1001218623	1	Terminal, Turnlock Connector	

FIGURE 8-32. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITH ARCTIC PACKAGE (ANSI, ANSI EXPOERT AND CSA SPECS) (860SJ HC3)

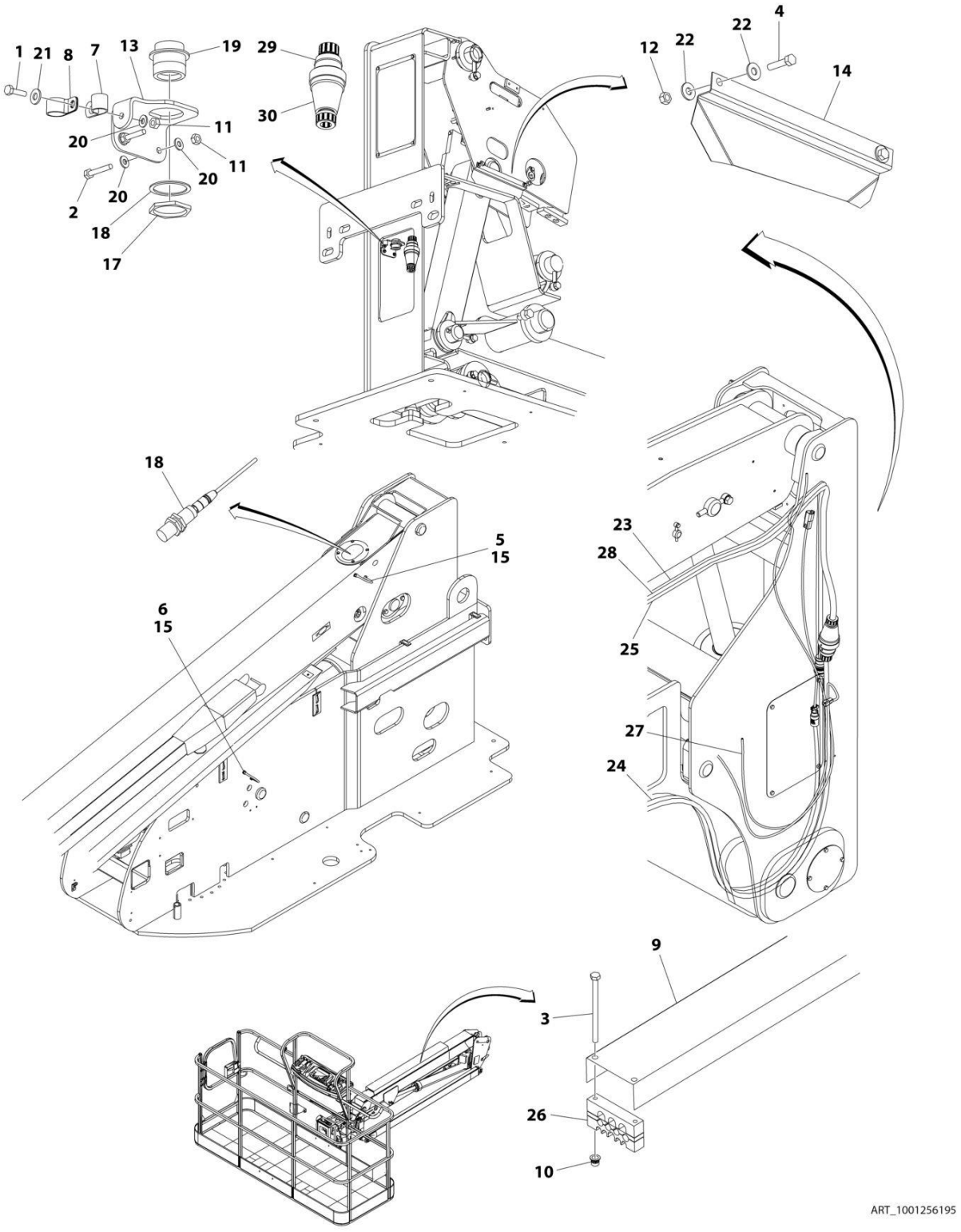


FIGURE 8-32. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITH ARCTIC PACKAGE (ANSI, ANSI EXPOERT AND CSA SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256195	Ref	BOOM CABLES INSTALLATION	C
1	0641408	1	Bolt 1/4 x 1	
2	0641412	2	Bolt 1/4 x 1-1/2	
3	0700626	4	Bolt M6 x 90	
4	0641511	2	Bolt 5/16 x 1-3/8	
5	0641604	2	Bolt 3/8 x 1/2	
6	0641607	2	Bolt 3/8 x 7/8	
7	1320061	1	Clamp	
8	1320202	1	Clamp	
9	1671034	1	Cover	
10	1001260680	4	Rivnut M6	
11	3311405	3	Nut 1/4	
12	3311505	2	Nut 5/16	
13	3573047	1	Plate	
14	3573296	1	Plate	
15	3841340	2	Rod	
16	4360506	1	Switch, Proximity	
17	4460470	1	Nut, Terminal	
18	4460471	1	Washer, Terminal	
19	4460866	1	Connector - 19 Pin	
20	4711400	5	Washer 1/4	
21	4751400	1	Washer 1/4	
22	4751500	4	Washer 5/16	
23	4923595	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
24	4923596	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
25	4923597	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
26	1001091472	2	Block, Clamp	
27	1001121669	1	AC Cable, 8/5 (Tower Boom)	
28	1001121671	1	AC Cable, 8/5 (Main Boom)	
29	1001218622	1	Terminal, Turnlock Plug	
30	1001218623	1	Terminal, Turnlock Connector	

FIGURE 8-33. BOOM CABLES INSTALLATION - WITHOUT AC CABLES (RUSSIAN AND CHINA SPECS) (860SJ HC3)

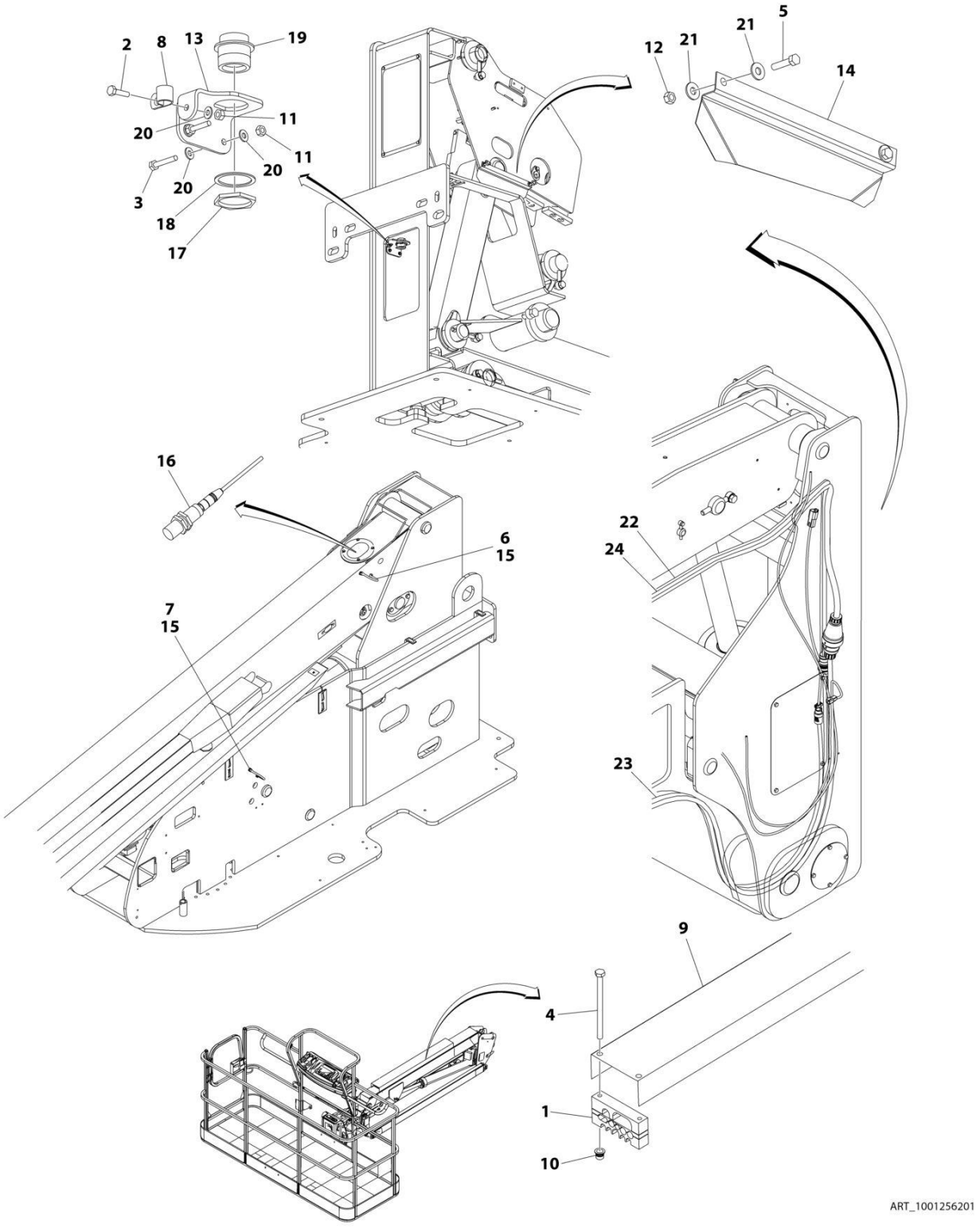


FIGURE 8-33. BOOM CABLES INSTALLATION - WITHOUT AC CABLES (RUSSIAN AND CHINA SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256201	Ref	BOOM CABLES INSTALLATION	C
1	0561484	2	Block, Clamp	
2	0641408	1	Bolt 1/4 x 1	
3	0641412	2	Bolt 1/4 x 1-1/2	
4	0700626	4	Bolt M6 x 90	
5	0641511	2	Bolt 5/16 x 1-3/8	
6	0641604	2	Bolt 3/8 x 1/2	
7	0641607	2	Bolt 3/8 x 7/8	
8	1320061	1	Clamp	
9	1671034	1	Cover	
10	1001260680	4	Rivnut M6	
11	3311405	3	Nut 1/4	
12	3311505	2	Nut 5/16	
13	3573047	1	Plate	
14	3573296	1	Plate	
15	3841340	2	Rod	
16	4360506	1	Switch, Proximity	
17	4460470	1	Nut, Terminal	
18	4460471	1	Washer, Terminal	
19	4460866	1	Connector - 19 Pin	
20	4711400	5	Washer 1/4	
21	4751500	4	Washer 5/16	
22	4922567	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
23	4922569	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
24	4922660	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	

FIGURE 8-34. BOOM HARNESS (MAIN BOOM) (WITHOUT ARCTIC PACKAGE) (860SJ HC3)

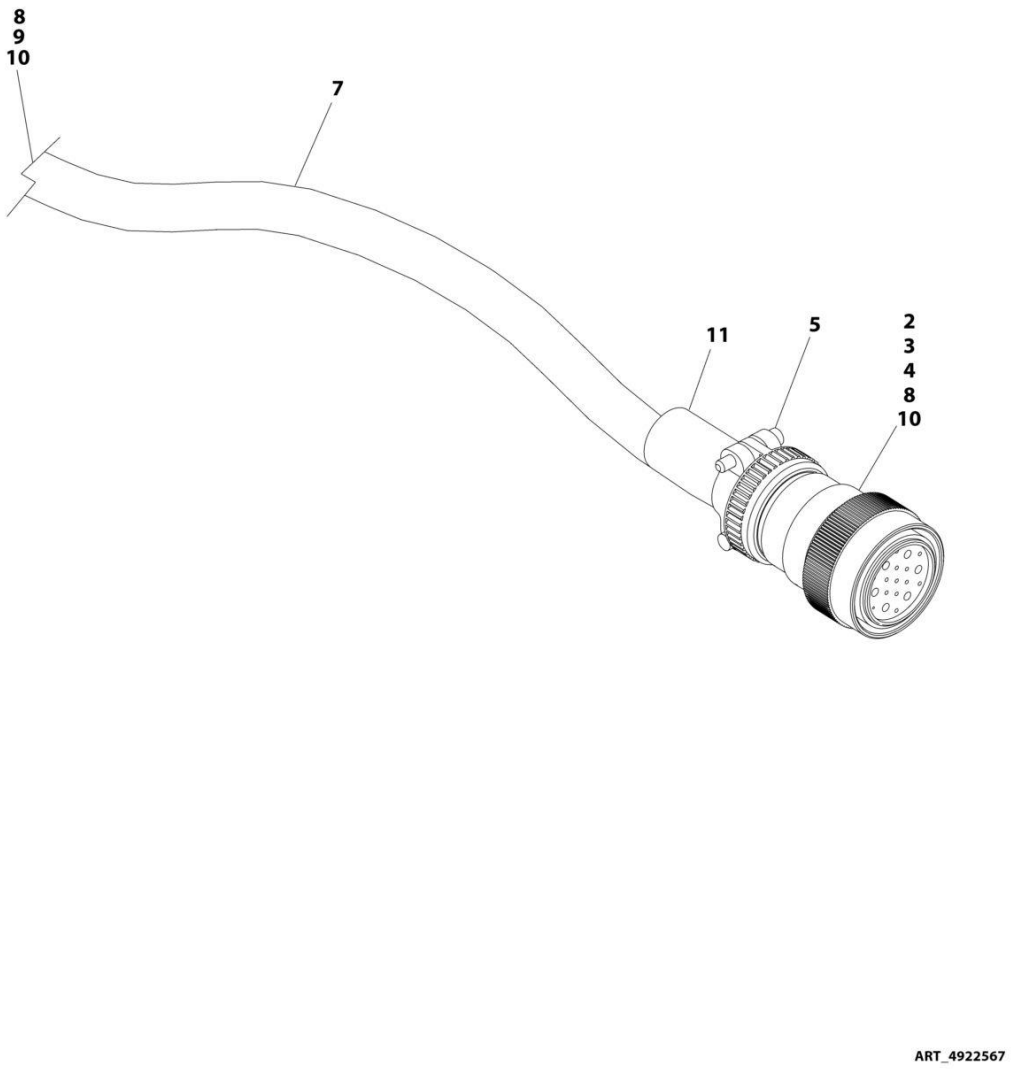


FIGURE 8-34. BOOM HARNESS (MAIN BOOM) (WITHOUT ARCTIC PACKAGE) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922567	Ref	BOOM HARNESS	D
2	4460465	11	Socket, Female	
3	4460865	1	Connector - 19 Position	
4	4460509	4	Socket, Female	
5	4460473	1	Clamp	
6	4460466	8	Plug, Terminal	
7	2820031	AR	Heatshrink	
8	4460464	11	Pin, Male	
9	4460508	4	Pin, Male	
10	2820118	AR	Heatshrink, Clear	
11	1001226400	1	Insulate, Heatshrink	

FIGURE 8-35. BOOM HARNESS (MAIN BOOM) (WITH ARCTIC PACKAGE) (860SJ HC3)

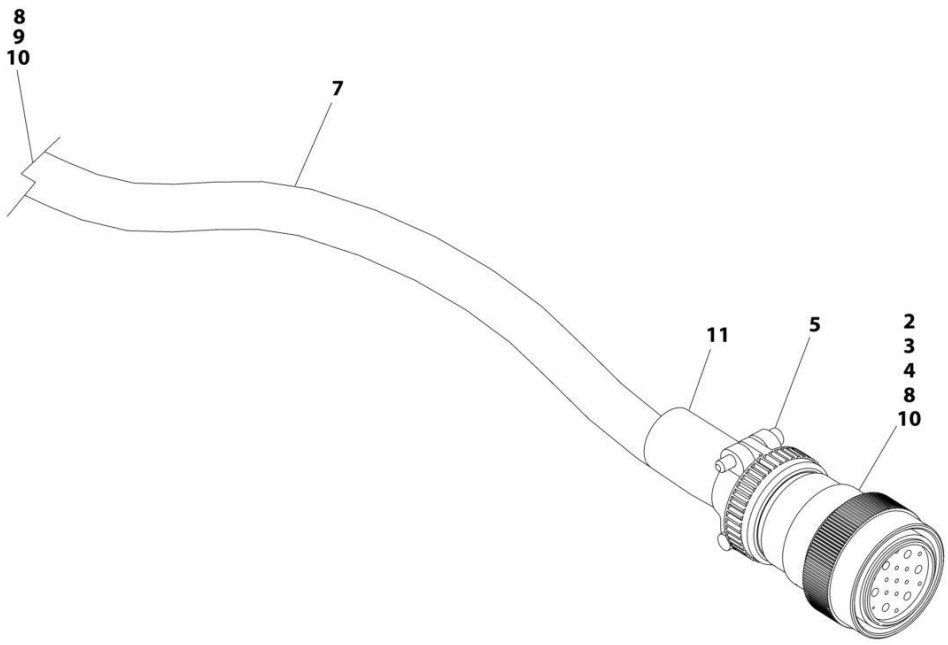


FIGURE 8-35. BOOM HARNESS (MAIN BOOM) (WITH ARCTIC PACKAGE) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4923595	Ref	BOOM HARNESS	D
2	4460465	11	Socket, Female	
3	4460865	1	Connector - 19 Position	
4	4460509	4	Socket, Female	
5	4460473	1	Clamp	
6	4460466	8	Plug, Terminal	
7	2820031	AR	Heatshrink	
8	4460464	11	Pin, Male	
9	4460508	4	Pin, Male	
10	2820118	AR	Heatshrink, Clear	
11	1001226400	1	Insulate, Heatshrink	

FIGURE 8-36. BOOM HARNESS (MAIN BOOM) (WITH ARCTIC PACKAGE) (800S HC3)

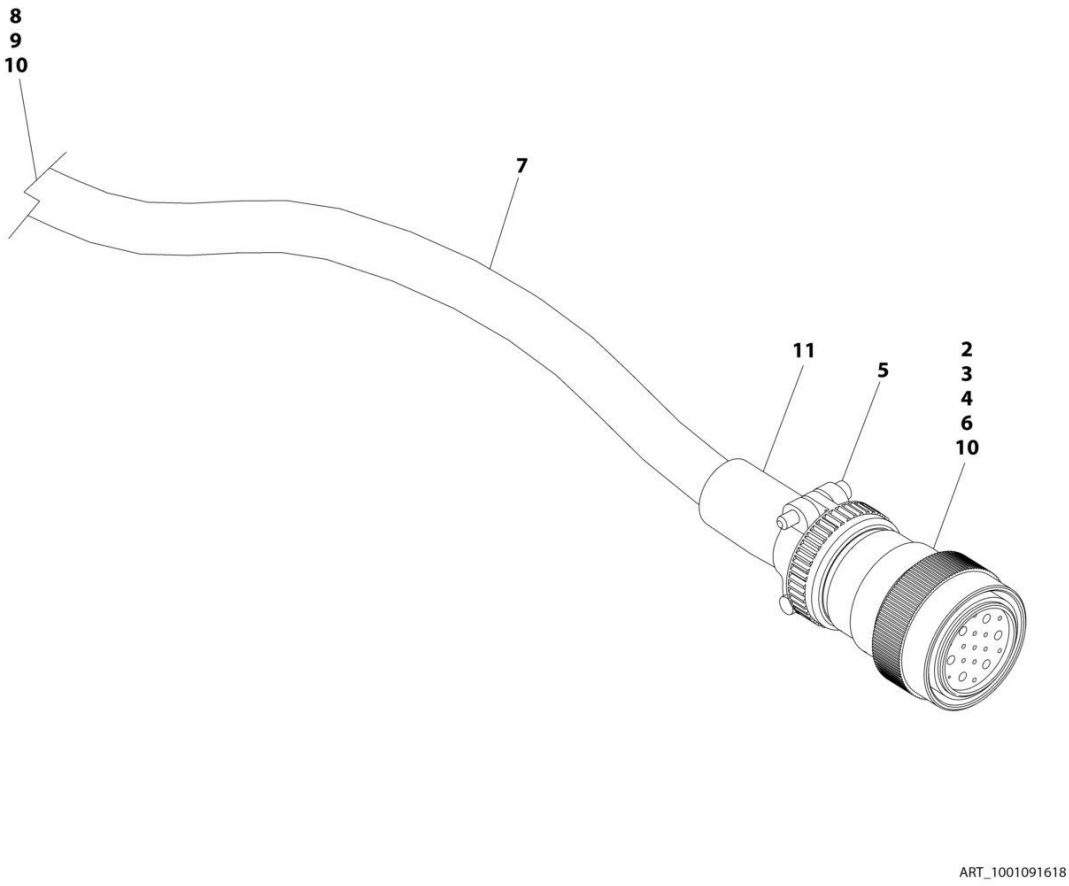


FIGURE 8-36. BOOM HARNESS (MAIN BOOM) (WITH ARCTIC PACKAGE) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091618	Ref	BOOM HARNESS	C
2	4460465	11	Socket, Female	
3	4460865	1	Connector - 19 Position	
4	4460509	4	Socket, Female	
5	4460473	1	Clamp	
6	4460466	8	Plug, Terminal	
7	2820031	AR	Heatshrink	
8	4460464	11	Pin, Male	
9	4460508	4	Pin, Male	
10	2820118	AR	Heatshrink, Clear	
11	1001226400	1	Insulate, Heatshrink	

FIGURE 8-37. BOOM CABLE (MAIN BOOM) (WITHOUT ARCTIC PACKAGE)

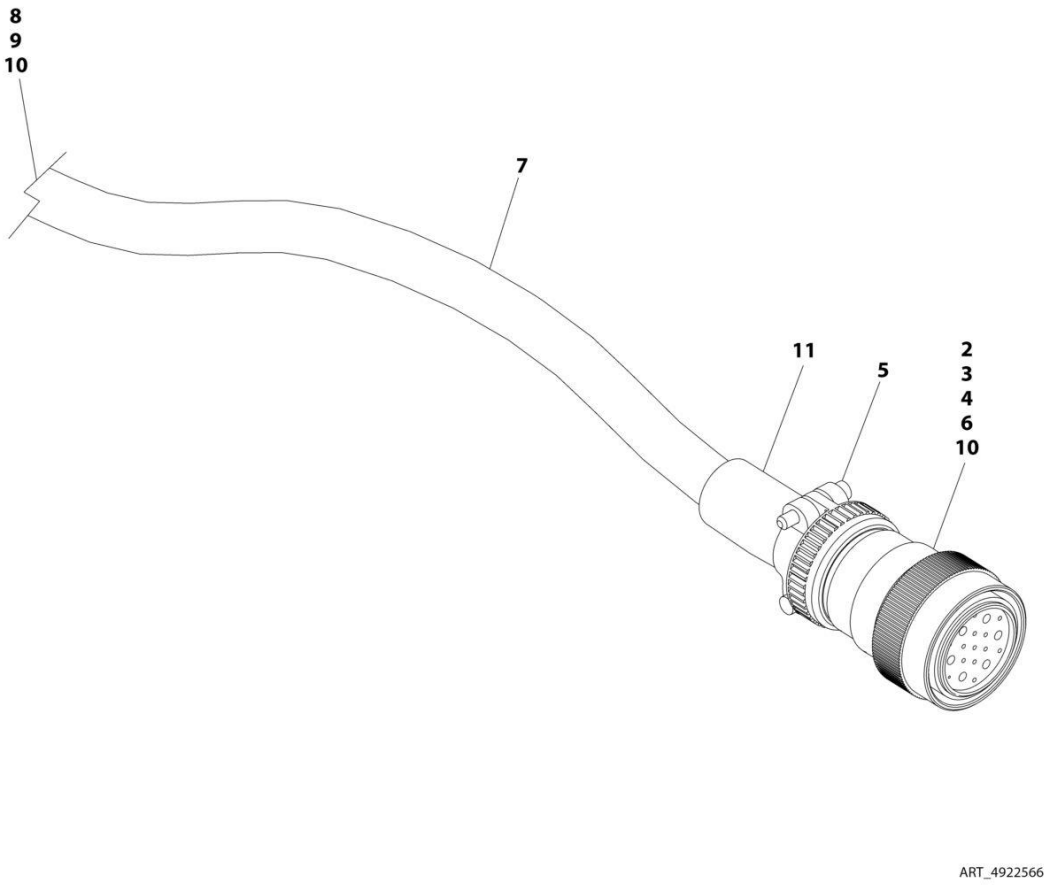


FIGURE 8-37. BOOM CABLE (MAIN BOOM) (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922566	Ref	BOOM HARNESS	C
2	4460465	11	Socket, Female	
3	4460865	1	Connector - 19 Position	
4	4460509	4	Socket, Female	
5	4460473	1	Clamp	
6	4460466	8	Plug, Terminal	
7	2820031	AR	Heatshrink	
8	4460464	11	Pin, Male	
9	4460508	4	Pin, Male	
10	2820118	AR	Heatshrink, Clear	
11	1001226400	1	Insulate, Heatshrink	

FIGURE 8-38. BOOM CABLE (TOWER BOOM) (WITHOUT ARCTIC PACKAGE)

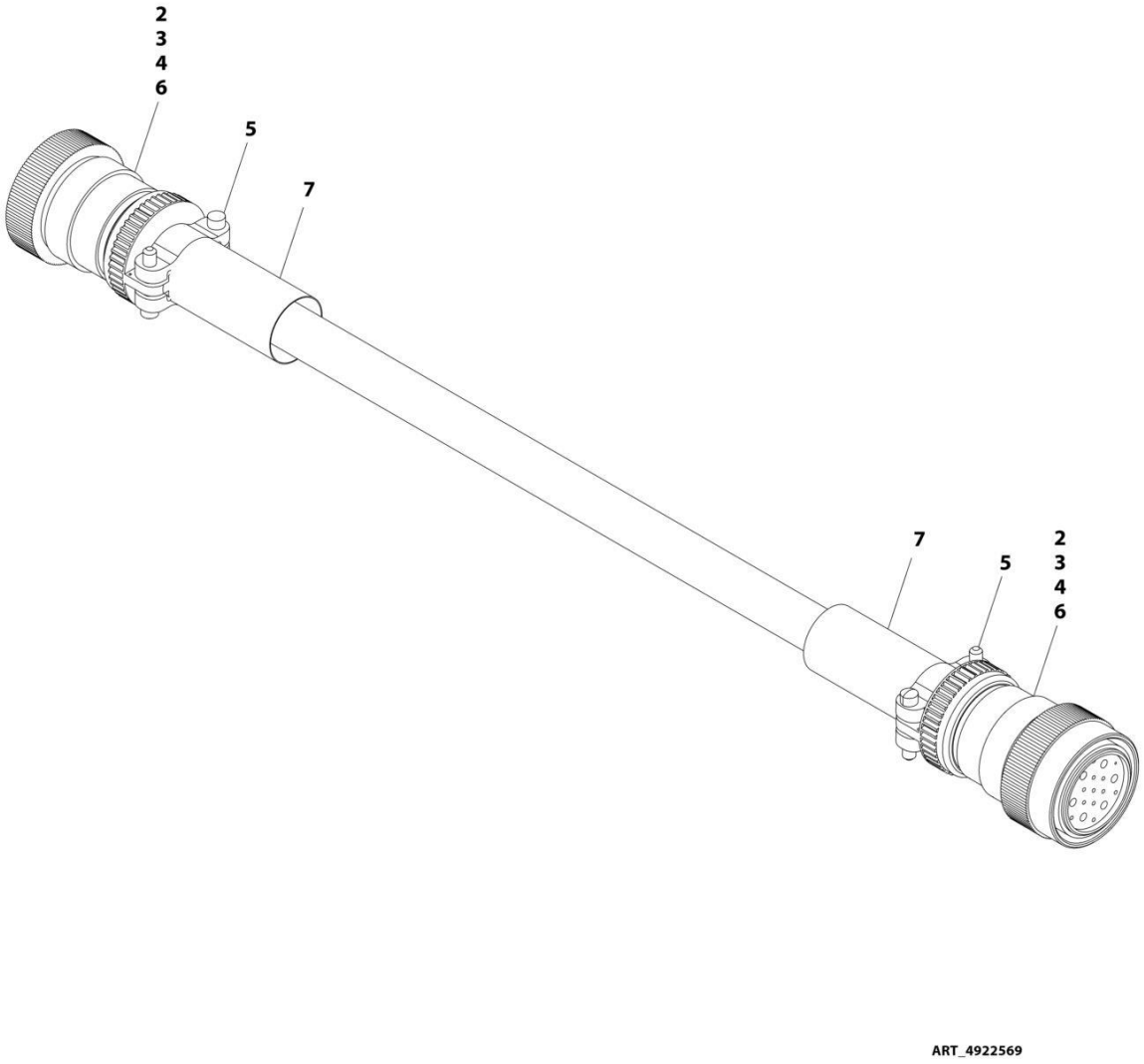


FIGURE 8-38. BOOM CABLE (TOWER BOOM) (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922569	Ref	BOOM CABLE - TOWER BOOM	B
2	4460465	22	Socket, Female	
3	4460865	2	Connector - 19 Position	
4	4460509	8	Socket, Female	
5	4460473	2	Clamp	
6	4460466	8	Plug, Terminal	
7	1001226400	2	Insulate, Heatshrink	

FIGURE 8-39. BOOM CABLE (TOWER BOOM) (WITHOUT ARCTIC PACKAGE)

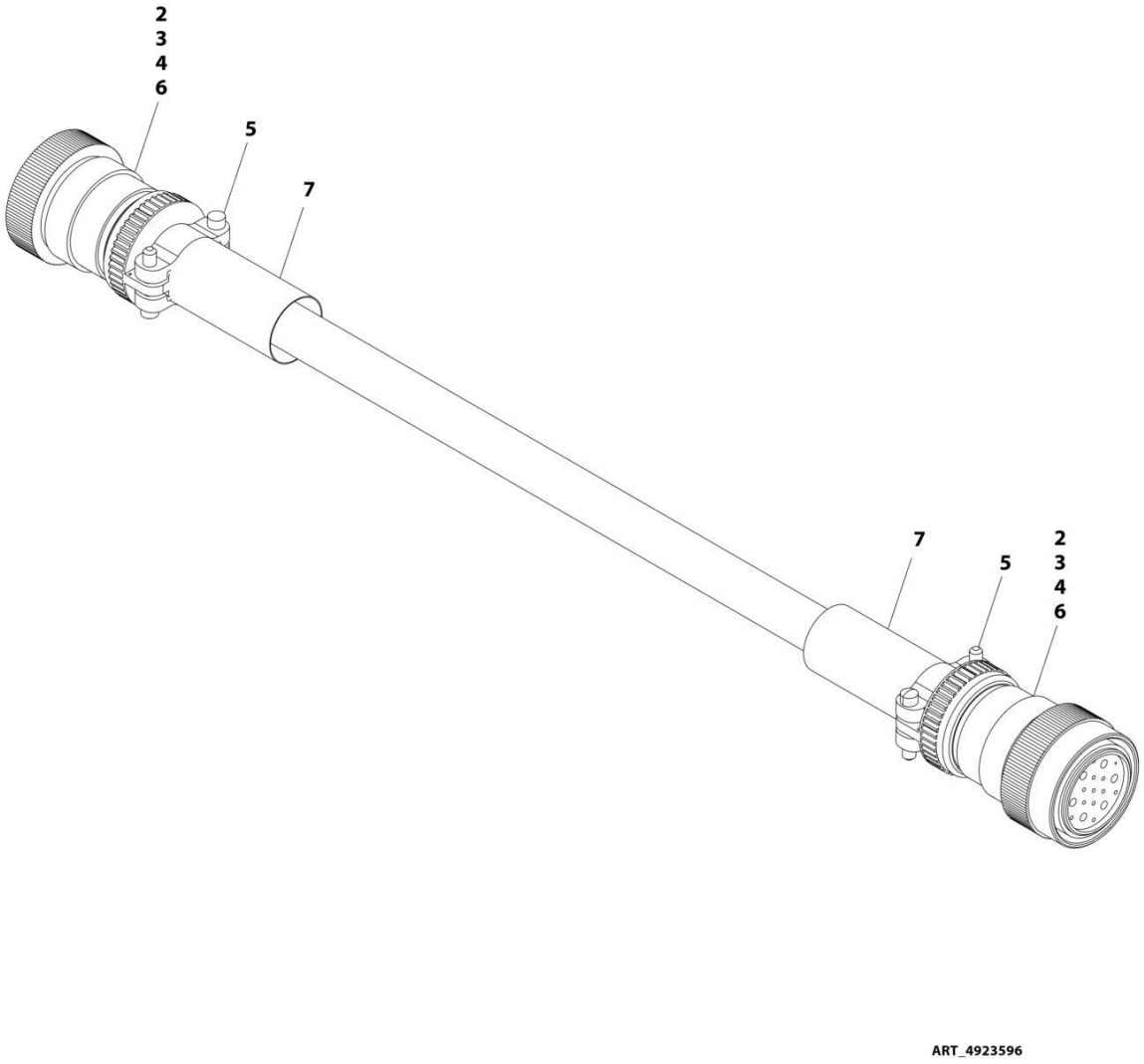


FIGURE 8-39. BOOM CABLE (TOWER BOOM) (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4923596	Ref	BOOM CABLE - TOWER BOOM	C
2	4460465	22	Socket, Female	
3	4460865	2	Connector - 19 Position	
4	4460509	8	Socket, Female	
5	4460473	2	Clamp	
6	4460466	8	Plug, Terminal	
7	1001226400	2	Insulate, Heatshrink	

FIGURE 8-40. BOOM CABLES INSTALLATION - WITHOUT ARCTIC PACKAGE (ALL SPECS EXCEPT AUSTRALIAN SPECS) (800S HC3)

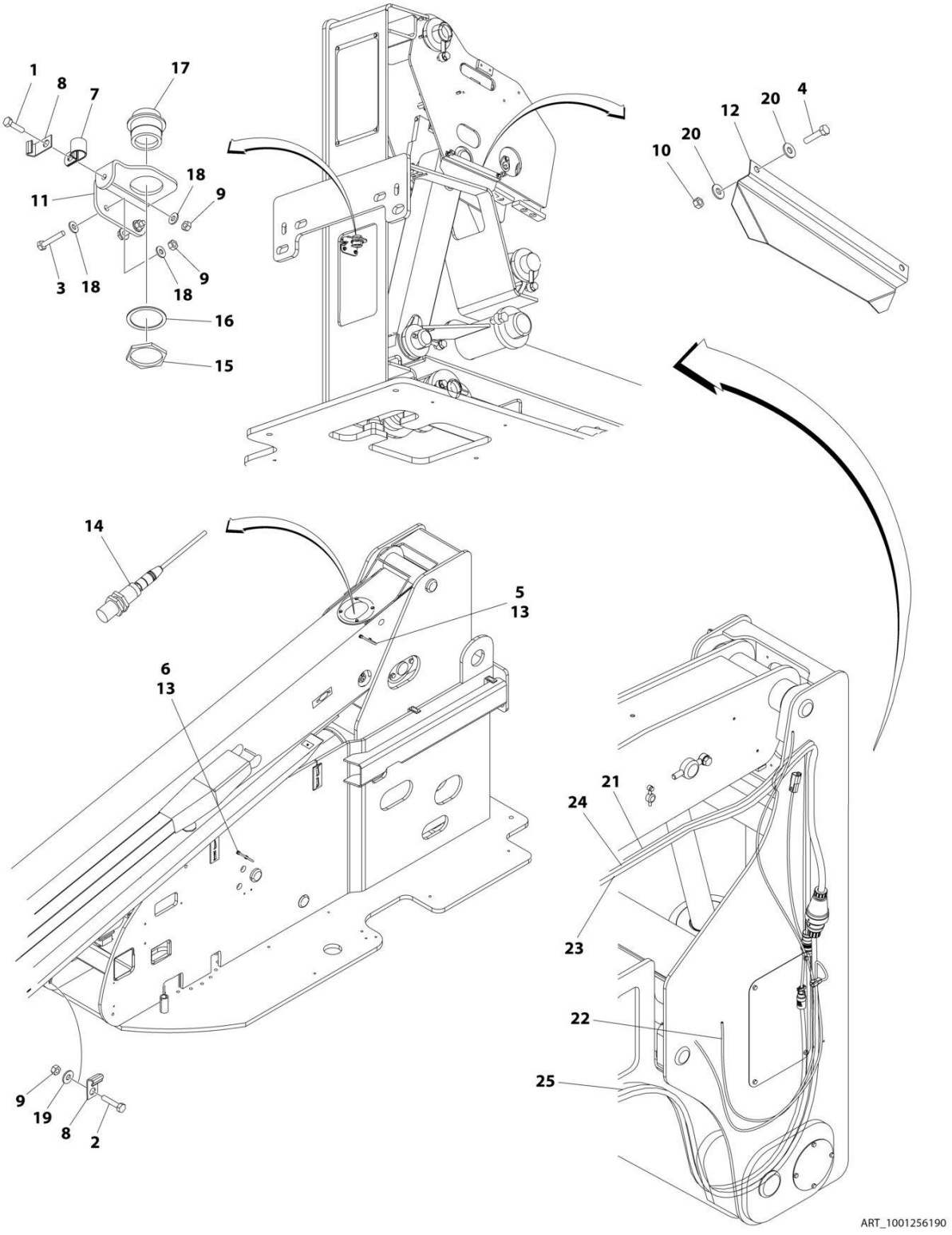


FIGURE 8-40. BOOM CABLES INSTALLATION - WITHOUT ARCTIC PACKAGE (ALL SPECS EXCEPT AUSTRALIAN SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256190	Ref	BOOM CABLES INSTALLATION	B
1	0641408	1	Bolt 1/4 x 1	
2	0641410	1	Bolt 1/4 x 1-1/4	
3	0641412	2	Bolt 1/4 x 1-1/2	
4	0641511	2	Bolt 5/16 x 1-3/8	
5	0641604	2	Bolt 3/8 x 1/2	
6	0641607	2	Bolt 3/8 x 7/8	
7	1320061	1	Clamp	
8	1320223	2	Clamp	
9	3311405	4	Nut 1/4	
10	3311505	2	Nut 5/16	
11	3573047	1	Plate	
12	3573296	1	Plate	
13	3841340	2	Rod	
14	4360506	1	Switch, Proximity	
15	4460470	1	Nut, Terminal	
16	4460471	1	Washer, Terminal	
17	4460866	1	Connector - 19 Pin	
18	4711400	5	Washer 1/4	
19	4751400	1	Washer 1/4	
20	4751500	4	Washer 5/16	
21	4922566	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
22	4922569	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
23	4922660	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
24	4922875	1	AC Cable, 10/3 (Main Boom)	
25	4922876	1	AC Cable, 10/3 (Tower Boom)	

FIGURE 8-41. BOOM CABLES INSTALLATION - WITH ARCTIC PACKAGE (ANSI, ANSI EXPORT AND CSA SPECS) (800S HC3)

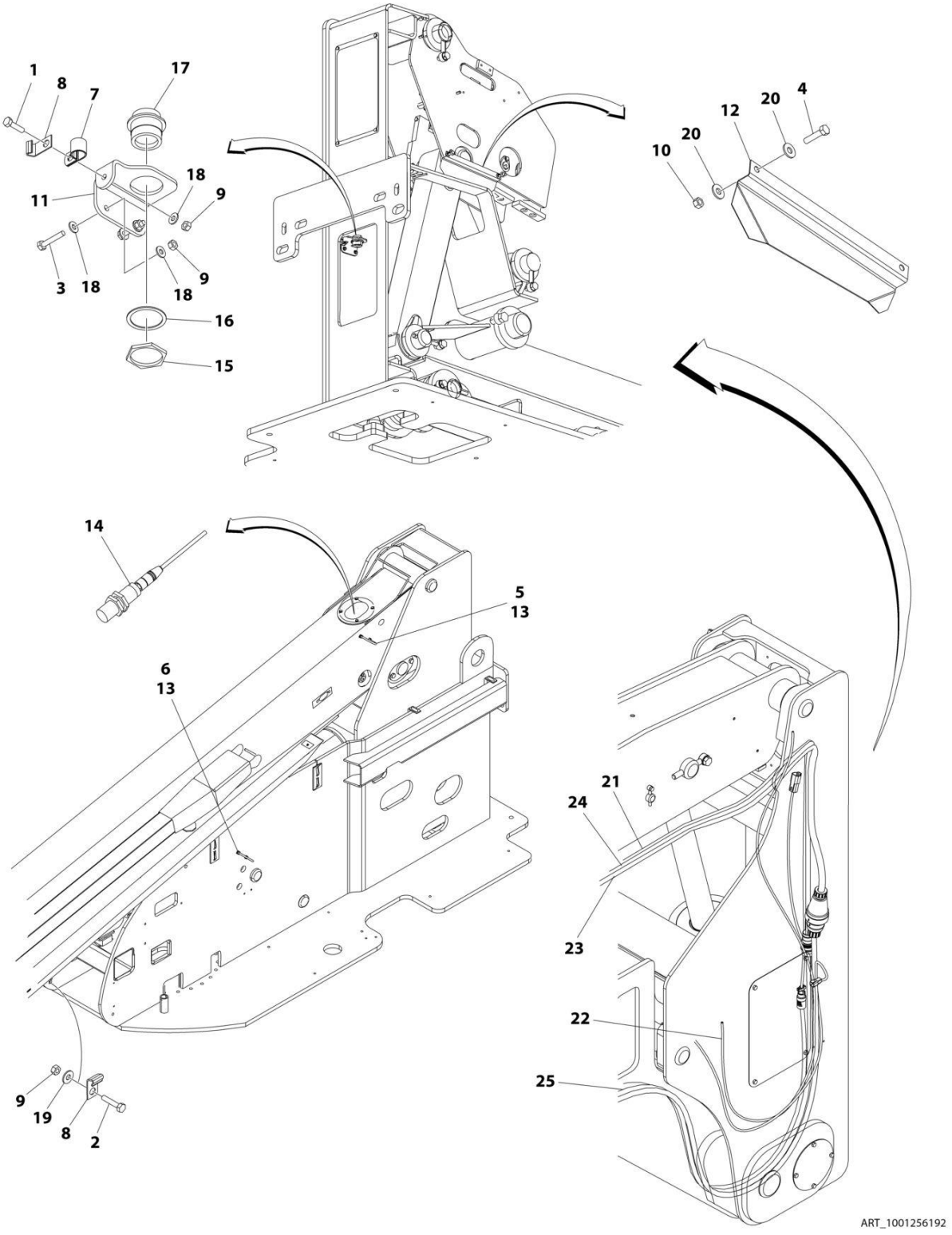


FIGURE 8-41. BOOM CABLES INSTALLATION - WITH ARCTIC PACKAGE (ANSI, ANSI EXPORT AND CSA SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256192	Ref	BOOM CABLES INSTALLATION	A
1	0641408	1	Bolt 1/4 x 1	
2	0641410	1	Bolt 1/4 x 1-1/4	
3	0641412	2	Bolt 1/4 x 1-1/2	
4	0641511	2	Bolt 5/16 x 1-3/8	
5	0641604	2	Bolt 3/8 x 1/2	
6	0641607	2	Bolt 3/8 x 7/8	
7	1320061	1	Clamp	
8	1320223	2	Clamp	
9	3311405	4	Nut 1/4	
10	3311505	2	Nut 5/16	
11	3573047	1	Plate	
12	3573296	1	Plate	
13	3841340	2	Rod	
14	4360506	1	Switch, Proximity	
15	4460470	1	Nut, Terminal	
16	4460471	1	Washer, Terminal	
17	4460866	1	Connector - 19 Pin	
18	4711400	5	Washer 1/4	
19	4751400	1	Washer 1/4	
20	4751500	4	Washer 5/16	
21	4923596	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
22	4923597	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
23	4923601	1	AC Cable, 8/5 (Main Boom)	
24	1001091618	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
25	1001091620	1	AC Cable, 10/3 (Tower Boom)	

FIGURE 8-42. BOOM CABLES INSTALLATION - WITH 4000W GENERATOR AND WITHOUT ARCTIC PACKAGE (ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) (800S HC3)

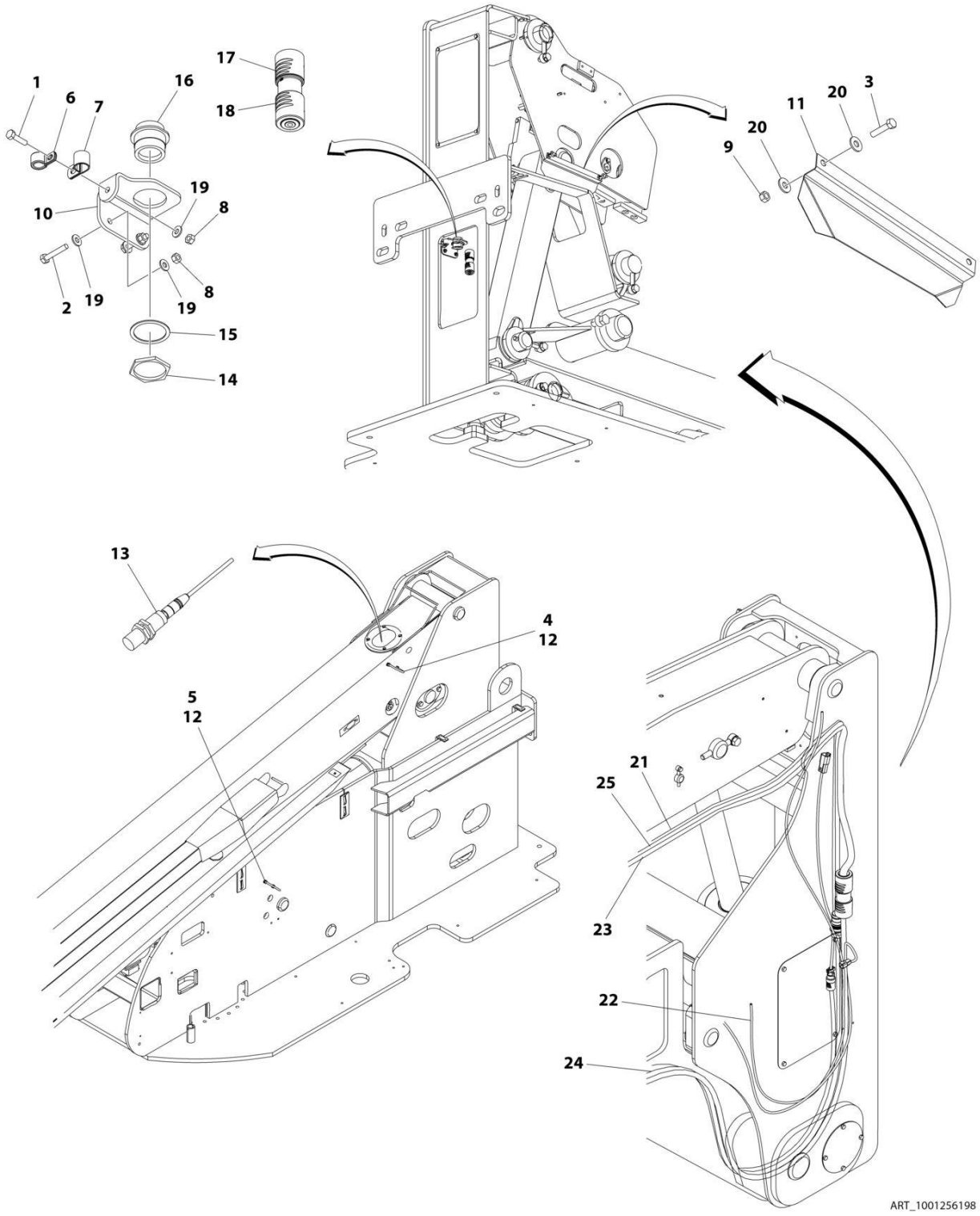


FIGURE 8-42. BOOM CABLES INSTALLATION - WITH 4000W GENERATOR AND WITHOUT ARCTIC PACKAGE (ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256198	Ref	BOOM CABLES INSTALLATION	A
1	0641408	1	Bolt 1/4 x 1	
2	0641412	2	Bolt 1/4 x 1-1/2	
3	0641511	2	Bolt 5/16 x 1-3/8	
4	0641604	2	Bolt 3/8 x 1/2	
5	0641607	2	Bolt 3/8 x 7/8	
6	1320041	1	Clamp	
7	1320061	1	Clamp	
8	3311405	3	Nut 1/4	
9	3311505	2	Nut 5/16	
10	3573047	1	Plate	
11	3573296	1	Plate	
12	3841340	2	Rod	
13	4360506	1	Switch, Proximity	
14	4460470	1	Nut, Terminal	
15	4460471	1	Washer, Terminal	
16	4460866	1	Connector - 19 Pin	
17	4460959	1	Terminal, Turnlock Plug	
18	4460960	1	Terminal, Turnlock Connector	
19	4711400	5	Washer 1/4	
20	4751500	4	Washer 5/16	
21	4922566	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
22	4922569	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
23	4922660	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
24	1001156425	1	AC Cable, 10/4 (Tower Boom)	
25	1001156426	1	AC Cable, 10/4 (Main Boom)	

FIGURE 8-43. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITHOUT ARCTIC PACKAGE (ANSI, ANSI EXPORT, CSA, RUSSIA AND JAPANESE SPECS) (800S HC3)

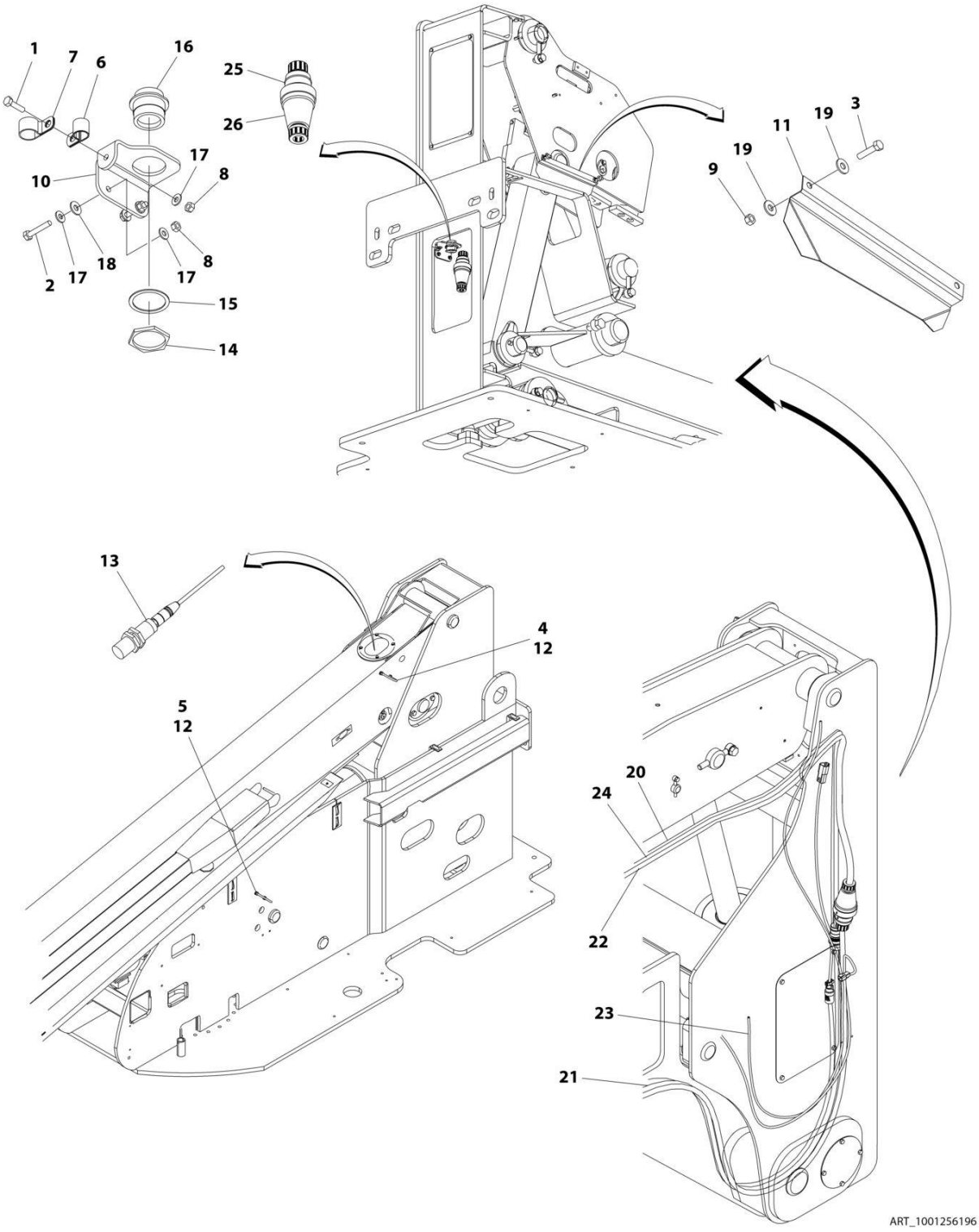


FIGURE 8-43. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITHOUT ARCTIC PACKAGE (ANSI, ANSI EXPORT, CSA, RUSSIA AND JAPANESE SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256196	Ref	BOOM CABLES INSTALLATION	A
1	0641408	1	Bolt 1/4 x 1	
2	0641412	2	Bolt 1/4 x 1-1/2	
3	0641511	2	Bolt 5/16 x 1-3/8	
4	0641604	2	Bolt 3/8 x 1/2	
5	0641607	2	Bolt 3/8 x 7/8	
6	1320061	1	Clamp	
7	1320202	1	Clamp	
8	3311405	3	Nut 1/4	
9	3311505	2	Nut 5/16	
10	3573047	1	Plate	
11	3573296	1	Plate	
12	3841340	2	Rod	
13	4360506	1	Switch, Proximity	
14	4460470	1	Nut, Terminal	
15	4460471	1	Washer, Terminal	
16	4460866	1	Connector - 19 Pin	
17	4711400	5	Washer 1/4	
18	4751400	1	Washer 1/4	
19	4751500	4	Washer 5/16	
20	4922566	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
21	4922569	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
22	4922660	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
23	1001121669	1	AC Cable, 8/5 (Tower Boom)	
24	1001121670	1	AC Cable, 8/5 (Main Boom)	
25	1001218622	1	Terminal, Turnlock Plug	
26	1001218623	1	Terminal, Turnlock Connector	

FIGURE 8-44. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITH ARCTIC PACKAGE (ANSI, ANSI EXPORT AND CSA SPECS) (800S HC3)

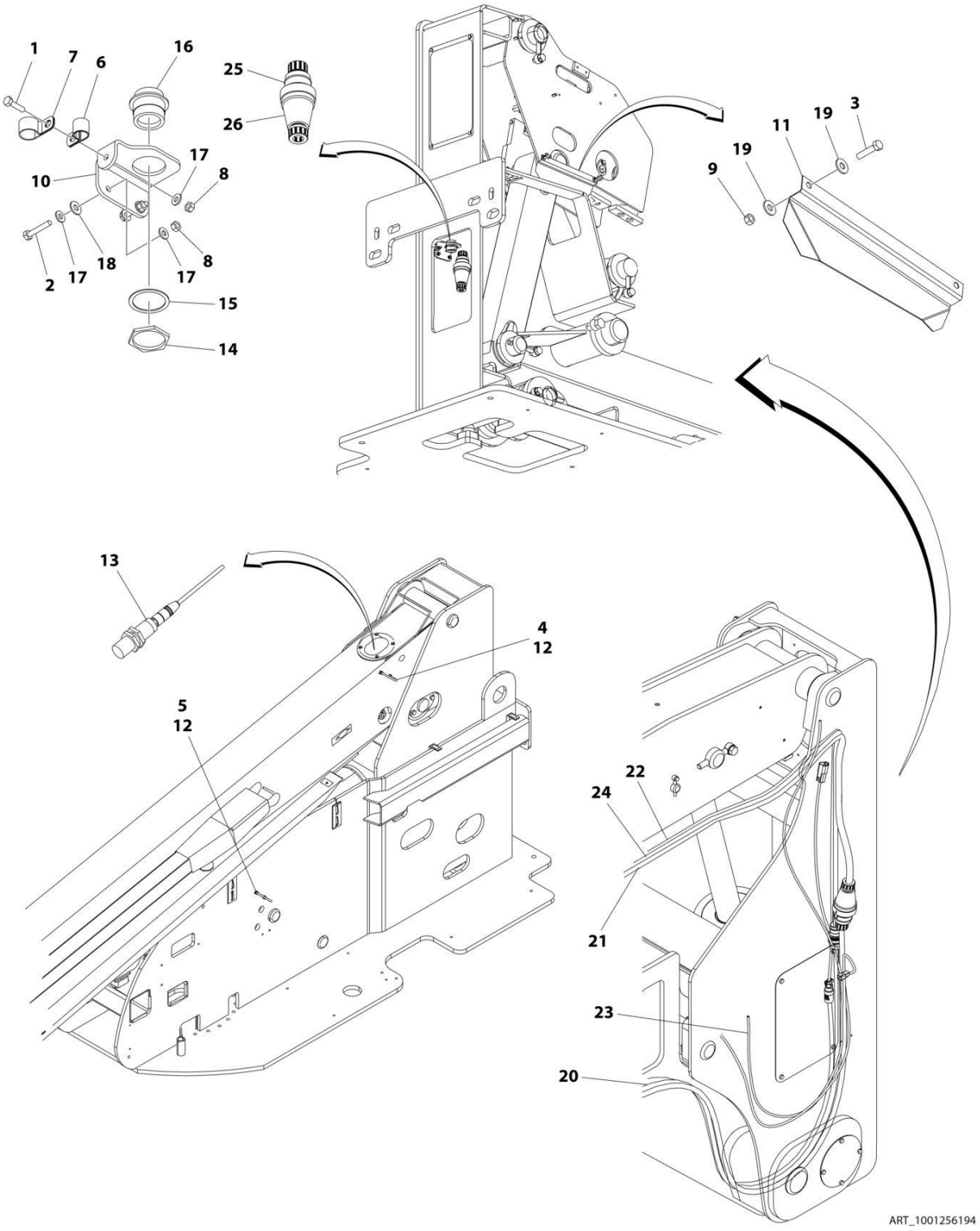


FIGURE 8-44. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITH ARCTIC PACKAGE (ANSI, ANSI EXPORT AND CSA SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256194	Ref	BOOM CABLES INSTALLATION	A
1	0641408	1	Bolt 1/4 x 1	
2	0641412	2	Bolt 1/4 x 1-1/2	
3	0641511	2	Bolt 5/16 x 1-3/8	
4	0641604	2	Bolt 3/8 x 1/2	
5	0641607	2	Bolt 3/8 x 7/8	
6	1320061	1	Clamp	
7	1320202	1	Clamp	
8	3311405	3	Nut 1/4	
9	3311505	2	Nut 5/16	
10	3573047	1	Plate	
11	3573296	1	Plate	
12	3841340	2	Rod	
13	4360506	1	Switch, Proximity	
14	4460470	1	Nut, Terminal	
15	4460471	1	Washer, Terminal	
16	4460866	1	Connector - 19 Pin	
17	4711400	5	Washer 1/4	
18	4751400	1	Washer 1/4	
19	4751500	4	Washer 5/16	
20	4923596	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
21	4923597	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
22	1001091618	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
23	1001121669	1	AC Cable, 8/5 (Tower Boom)	
24	1001121670	1	AC Cable, 8/5 (Main Boom)	
25	1001218622	1	Terminal, Turnlock Plug	
26	1001218623	1	Terminal, Turnlock Connector	

FIGURE 8-45. BOOM CABLES INSTALLATION - WITHOUT ARCTIC PACKAGE (ALL SPECS EXCEPT CHINEASE SPECS) (860SJ HC3)

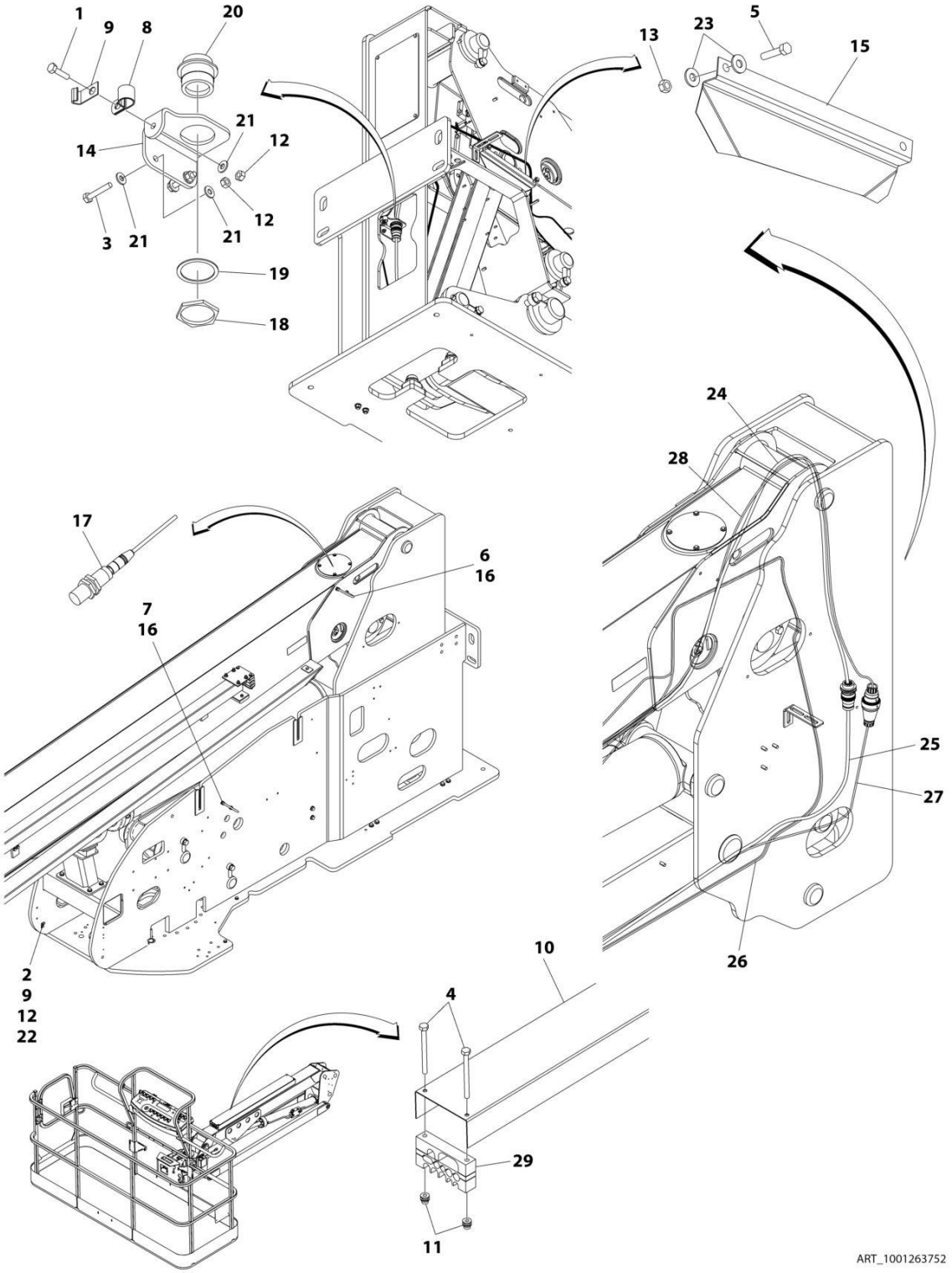


FIGURE 8-45. BOOM CABLES INSTALLATION - WITHOUT ARCTIC PACKAGE (ALL SPECS EXCEPT CHINEASE SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263752	Ref	BOOM CABLES INSTALLATION	B
1	0641408	1	Bolt 1/4 x 1	
2	0641410	1	Bolt 1/4 x 1-1/4	
3	0641412	2	Bolt 1/4 x 1-1/2	
4	0641424	4	Bolt 1/4 x 3	
4	0700624	4	Bolt M6 x 80	
5	0641511	2	Bolt 5/16 x 1-3/8	
6	0641604	2	Bolt 3/8 x 1/2	
7	0641607	2	Bolt 3/8 x 7/8	
8	1320061	1	Clamp	
9	1320223	2	Clamp	
10	1671034	1	Cover	
11	2080044	4	Rivnut (For Use with Item 4, 1/4 x 3 Bolt)	
12	3311405	4	Nut 1/4	
13	3311505	2	Nut 5/16	
14	3573047	1	Plate	
15	3573296	1	Plate	
16	3841340	2	Rod	
17	4360506	1	Switch, Proximity	
18	4460470	1	Nut, Terminal	
19	4460471	1	Washer, Terminal	
20	4460866	1	Connector - 19 Pin	
21	4711400	5	Washer 1/4	
22	4751400	1	Washer 1/4	
23	4751500	4	Washer 5/16	
24	4922567	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
25	4922569	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
26	4922660	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
27	4922876	1	AC Cable, 10/3 (Tower Boom)	
28	4922878	2	AC Cable, 10/3 (Main Boom)	

FIGURE 8-46. BOOM CABLES INSTALLATION - WITH ARCTIC PACKAGE (ANSI, ANSI EXPORT AND CSA SPECS) (860SJ HC3)

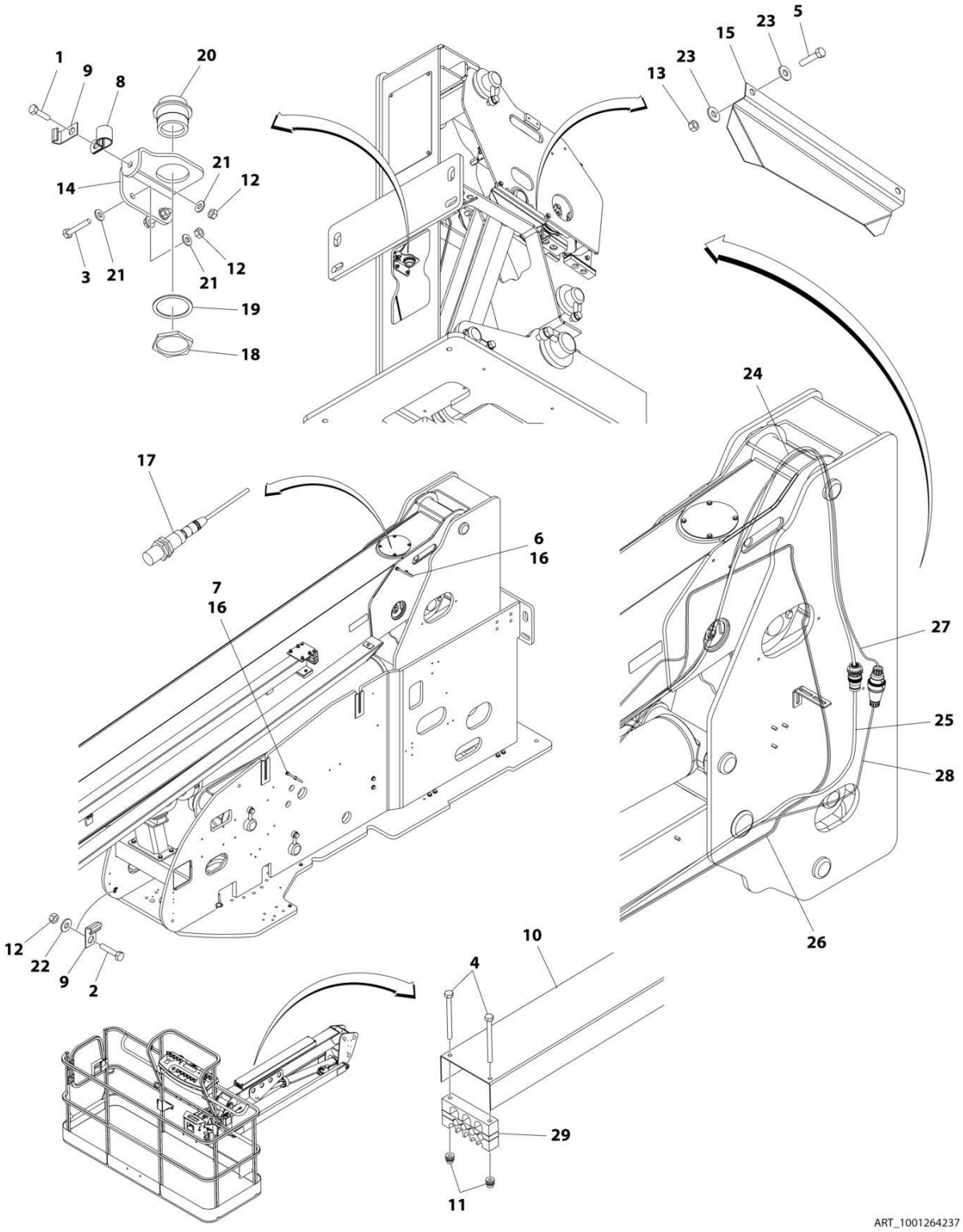


FIGURE 8-46. BOOM CABLES INSTALLATION - WITH ARCTIC PACKAGE (ANSI, ANSI EXPORT AND CSA SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264237	Ref	BOOM CABLES INSTALLATION	A
1	0641408	1	Bolt 1/4 x 1	
2	0641410	1	Bolt 1/4 x 1-1/4	
3	0641412	2	Bolt 1/4 x 1-1/2	
4	0641424	4	Bolt 1/4 x 3	
5	0641511	2	Bolt 5/16 x 1-3/8	
6	0641604	2	Bolt 3/8 x 1/2	
7	0641607	2	Bolt 3/8 x 7/8	
8	1320061	1	Clamp	
9	1320223	2	Clamp	
10	1671034	1	Cover	
11	2080044	4	Rivnut	
12	3311405	4	Nut 1/4	
13	3311505	2	Nut 5/16	
14	3573047	1	Plate	
15	3573296	1	Plate	
16	3841340	2	Rod	
17	4360506	1	Switch, Proximity	
18	4460470	1	Nut, Terminal	
19	4460471	1	Washer, Terminal	
20	4460866	1	Connector - 19 Pin	
21	4711400	5	Washer 1/4	
22	4751400	1	Washer 1/4	
23	4751500	4	Washer 5/16	
24	4923595	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
25	4923596	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
26	4923597	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
27	4923600	1	AC Cable, 10/3 (Main Boom)	
28	4923601	1	AC Cable, 10/3 (Tower Boom)	
29	1001265900	2	Block, Clamp	

FIGURE 8-47. BOOM CABLES INSTALLATION - WITH 4000W GENERATOR AND WITHOUT ARCTIC PACKAGE (ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) (860SJ HC3)

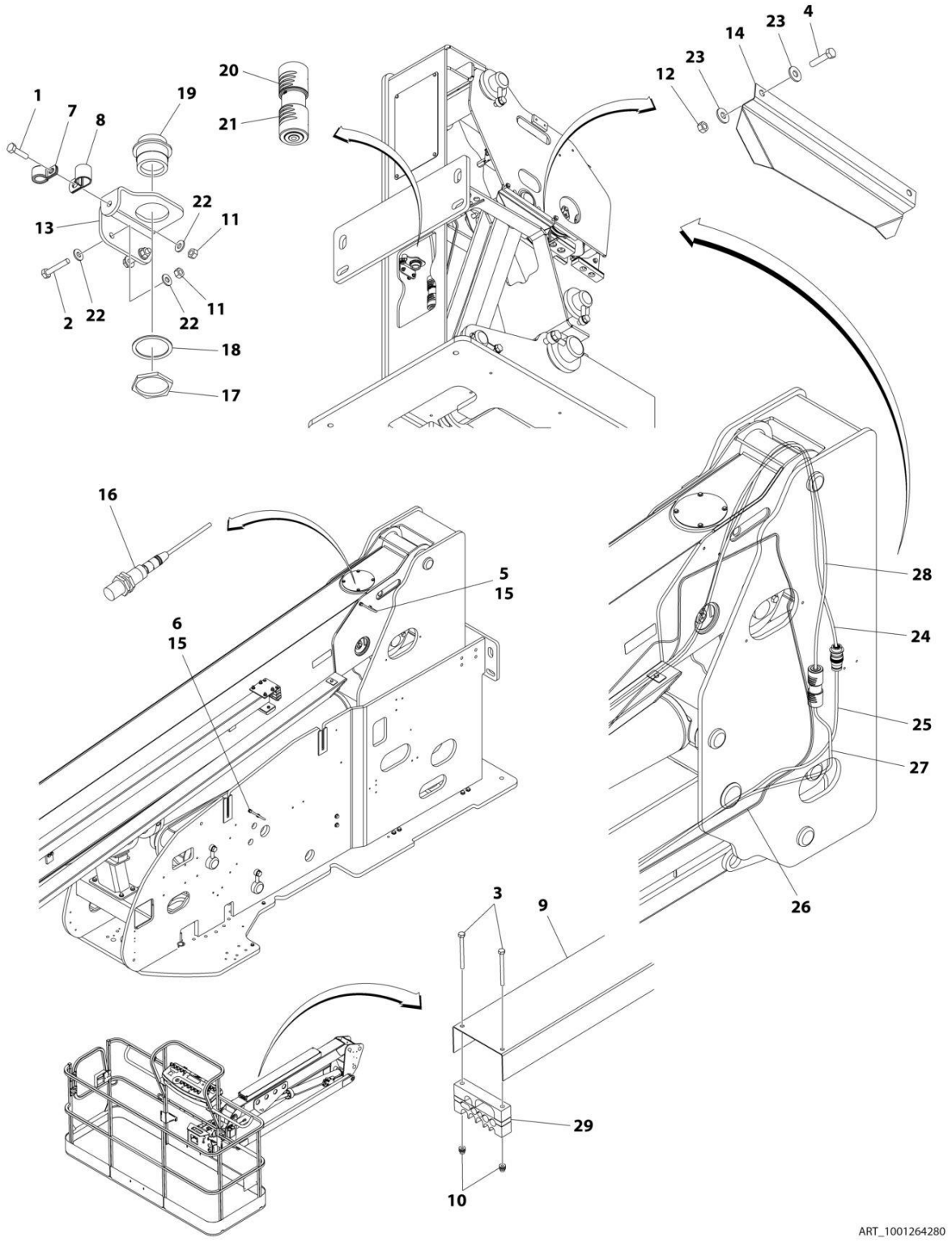


FIGURE 8-47. BOOM CABLES INSTALLATION - WITH 4000W GENERATOR AND WITHOUT ARCTIC PACKAGE (ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264280	Ref	BOOM CABLES INSTALLATION	A
1	0641408	1	Bolt 1/4 x 1	
2	0641412	2	Bolt 1/4 x 1-1/2	
3	0641424	4	Bolt 1/4 x 3	
4	0641511	2	Bolt 5/16 x 1-3/8	
5	0641604	2	Bolt 3/8 x 1/2	
6	0641607	2	Bolt 3/8 x 7/8	
7	1320041	1	Clamp	
8	1320061	1	Clamp	
9	1671034	1	Cover	
10	2080044	4	Rivnut	
11	3311405	3	Nut 1/4	
12	3311505	2	Nut 5/16	
13	3573047	1	Plate	
14	3573296	1	Plate	
15	3841340	2	Rod	
16	4360506	1	Switch, Proximity	
17	4460470	1	Nut, Terminal	
18	4460471	1	Washer, Terminal	
19	4460866	1	Connector - 19 Pin	
20	4460959	1	Terminal, Turnlock Plug	
21	4460960	1	Terminal, Turnlock Connector	
22	4711400	5	Washer 1/4	
23	4751500	4	Washer 5/16	
24	4922567	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
25	4922569	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
26	4922660	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
27	1001156425	1	AC Cable, 10/4 (Tower Boom)	
28	1001156427	1	AC Cable, 10/4 (Main Boom)	
29	1001263445	2	Block, Clamp	

FIGURE 8-48. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITHOUT ARCTIC PACKAGE (ALL SPECS) (860SJ HC3)

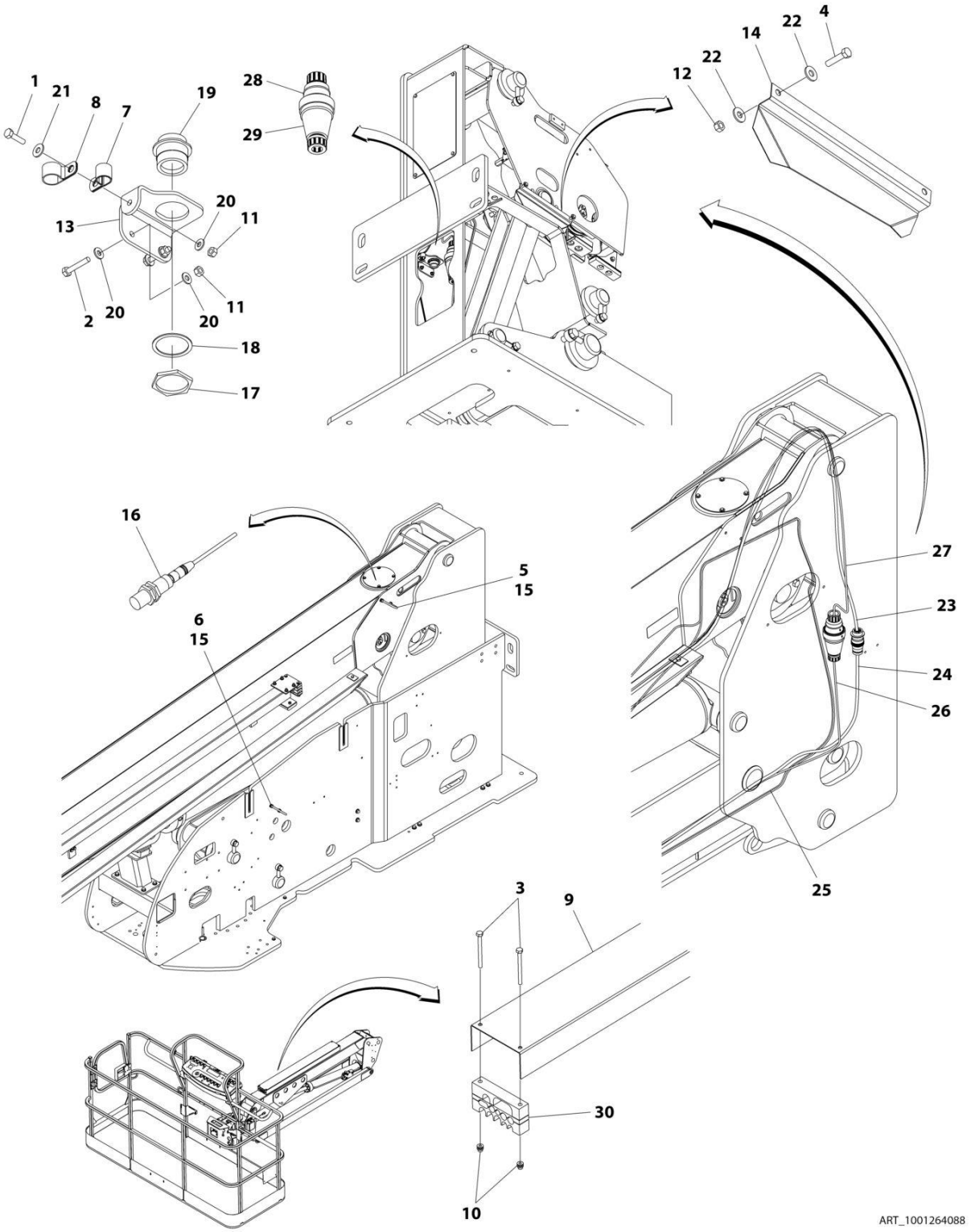


FIGURE 8-48. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITHOUT ARCTIC PACKAGE (ALL SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264088	Ref	BOOM CABLES INSTALLATION	A
1	0641408	1	Bolt 1/4 x 1	
2	0641412	2	Bolt 1/4 x 1-1/2	
3	0641424	4	Bolt 1/4 x 3	
4	0641511	2	Bolt 5/16 x 1-3/8	
5	0641604	2	Bolt 3/8 x 1/2	
6	0641607	2	Bolt 3/8 x 7/8	
7	1320061	1	Clamp	
8	1320202	1	Clamp	
9	1671034	1	Cover	
10	2080044	4	Rivnut	
11	3311405	3	Nut 1/4	
12	3311505	2	Nut 5/16	
13	3573047	1	Plate	
14	3573296	1	Plate	
15	3841340	2	Rod	
16	4360506	1	Switch, Proximity	
17	4460470	1	Nut, Terminal	
18	4460471	1	Washer, Terminal	
19	4460866	1	Connector - 19 Pin	
20	4711400	5	Washer 1/4	
21	4751400	1	Washer 1/4	
22	4751500	4	Washer 5/16	
23	4922567	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
24	4922569	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
25	4922660	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
26	1001121669	1	AC Cable, 8/5 (Tower Boom)	
27	1001121671	1	AC Cable, 8/5 (Main Boom)	
28	1001218622	1	Terminal, Turnlock Plug	
29	1001218623	1	Terminal, Turnlock Connector	
30	1001263445	2	Block, Clamp	

FIGURE 8-49. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITH ARCTIC PACKAGE (ANSI, ANSI EXPOERT AND CSA SPECS) (860SJ HC3)

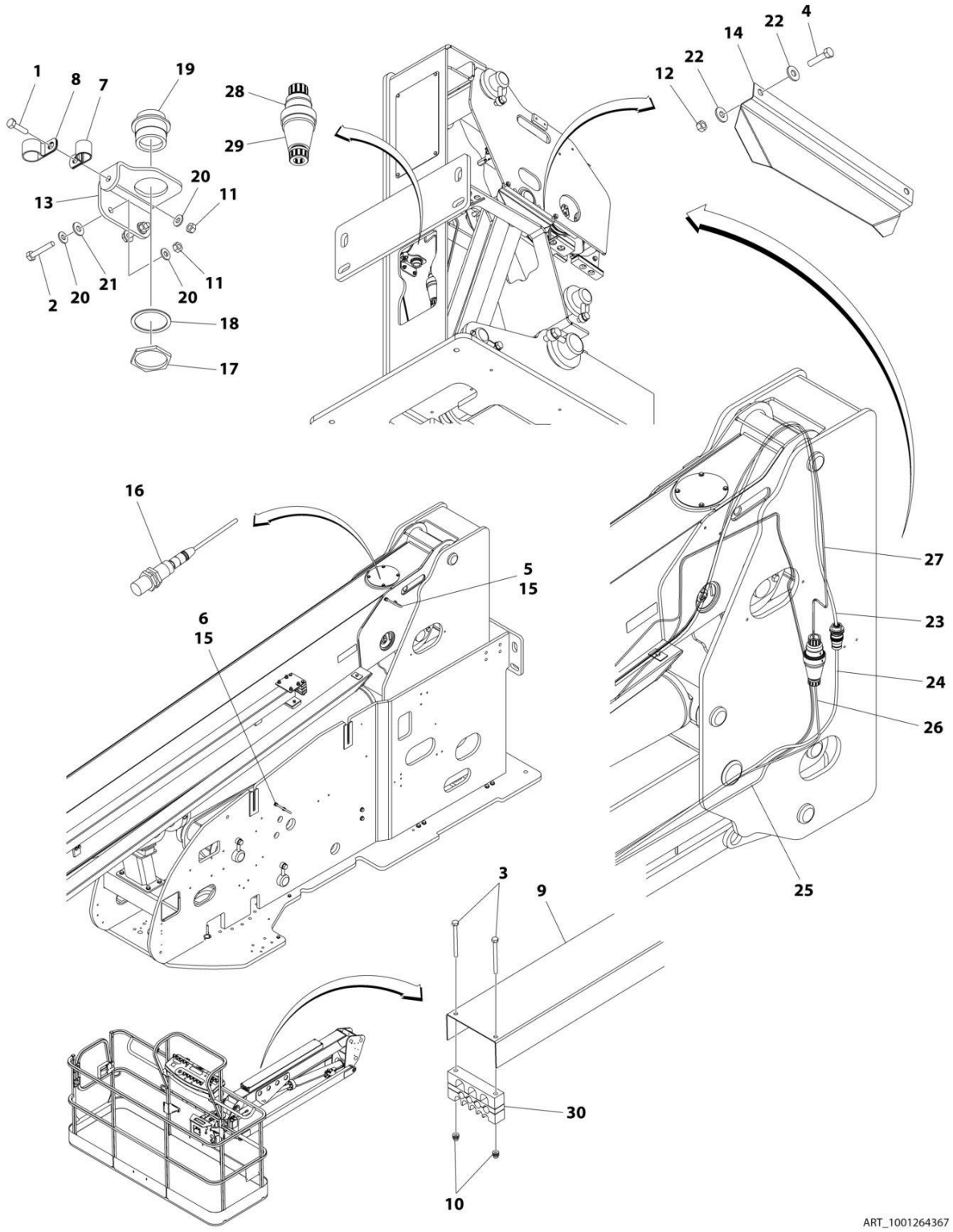


FIGURE 8-49. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR AND WITH ARCTIC PACKAGE (ANSI, ANSI EXPOERT AND CSA SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264367	Ref	BOOM CABLES INSTALLATION	A
1	0641408	1	Bolt 1/4 x 1	
2	0641412	2	Bolt 1/4 x 1-1/2	
3	0641424	4	Bolt 1/4 x 3	
4	0641511	2	Bolt 5/16 x 1-3/8	
5	0641604	2	Bolt 3/8 x 1/2	
6	0641607	2	Bolt 3/8 x 7/8	
7	1320061	1	Clamp	
8	1320202	1	Clamp	
9	1671034	1	Cover	
10	2080044	4	Rivnut	
11	3311405	3	Nut 1/4	
12	3311505	2	Nut 5/16	
13	3573047	1	Plate	
14	3573296	1	Plate	
15	3841340	2	Rod	
16	4360506	1	Switch, Proximity	
17	4460470	1	Nut, Terminal	
18	4460471	1	Washer, Terminal	
19	4460866	1	Connector - 19 Pin	
20	4711400	5	Washer 1/4	
21	4751400	1	Washer 1/4	
22	4751500	4	Washer 5/16	
23	4923595	1	Harness Assembly - Main Boom (See Separate Breakdown in this Section)	
24	4923596	1	Harness Assembly - Tower Boom (See Separate Breakdown in this Section)	
25	4923597	1	Holding Valve/Lift Dump Harness Assembly (See Separate Breakdown in this Section)	
26	1001121669	1	AC Cable, 8/5 (Tower Boom)	
27	1001121671	1	AC Cable, 8/5 (Main Boom)	
28	1001218622	1	Terminal, Turnlock Plug	
29	1001218623	1	Terminal, Turnlock Connector	
30	1001265900	2	Block, Clamp	

FIGURE 8-50. BREAKER BOX KIT - ONE DOUBLE 16AMP BREAKER (CE & UK CA SPECS WITHOUT 7500W GENERATOR)

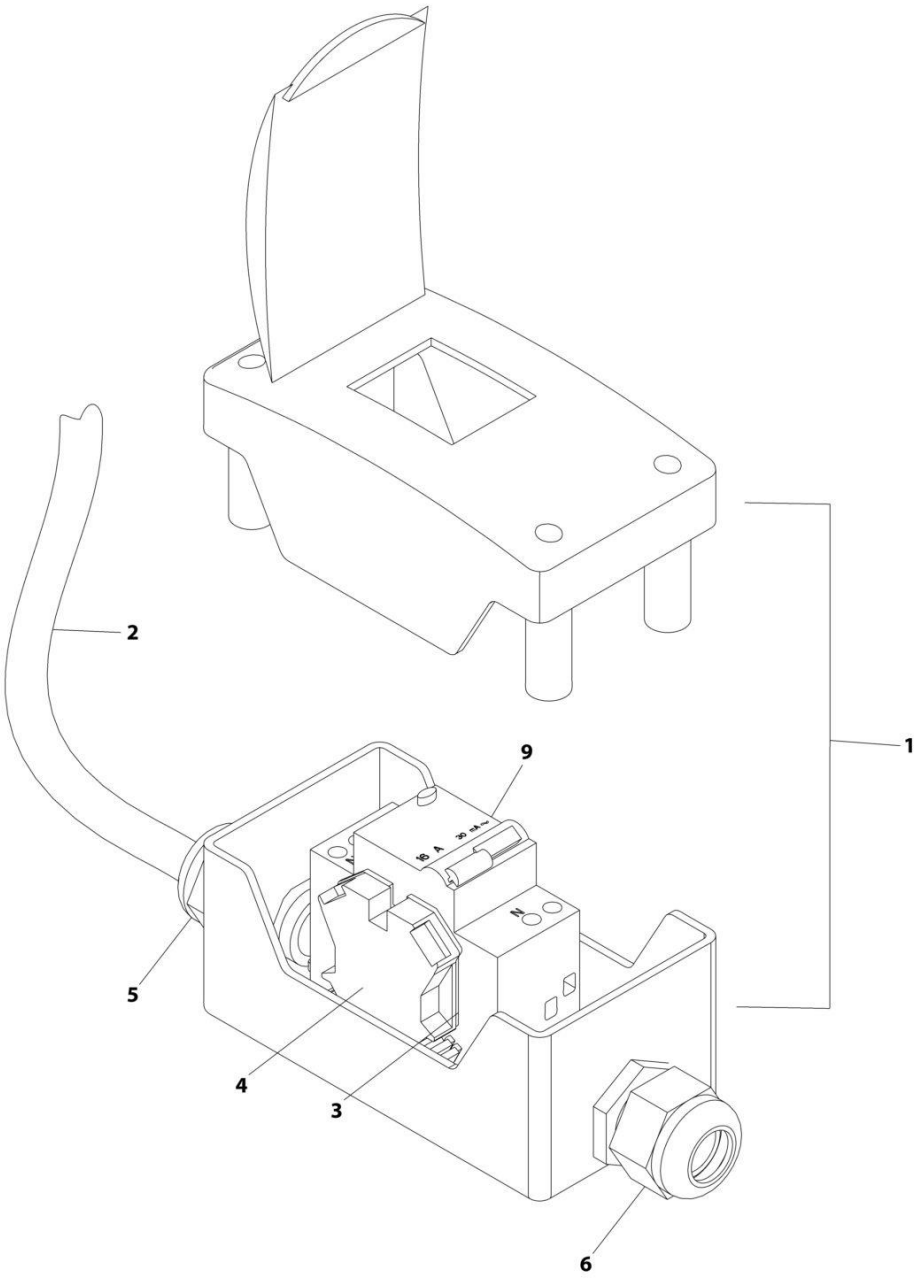


FIGURE 8-50. BREAKER BOX KIT - ONE DOUBLE 16AMP BREAKER (CE & UK CA SPECS WITHOUT 7500W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001109654	Ref	BREAKER BOX KIT	C
1	0861880	1	Box, Breaker	
2	1060908	12 ft/ 3.6m	Cable 12/3	
3	4460956	1	Barrier, Terminal Block End	
4	4460957	1	Block, Terminal	
5	1001097150	1	Connector, Strain Relief	
6	1001101191	1	Connector, Strain Relief	
9	1001181045	1	Breaker - 30mA/16Amp	
10	1001100231	3	Terminal (Not Shown)	

FIGURE 8-51. BREAKER BOX KIT - ONE DOUBLE 16AMP BREAKER (WITH 4000W/50HZ GENERATOR)

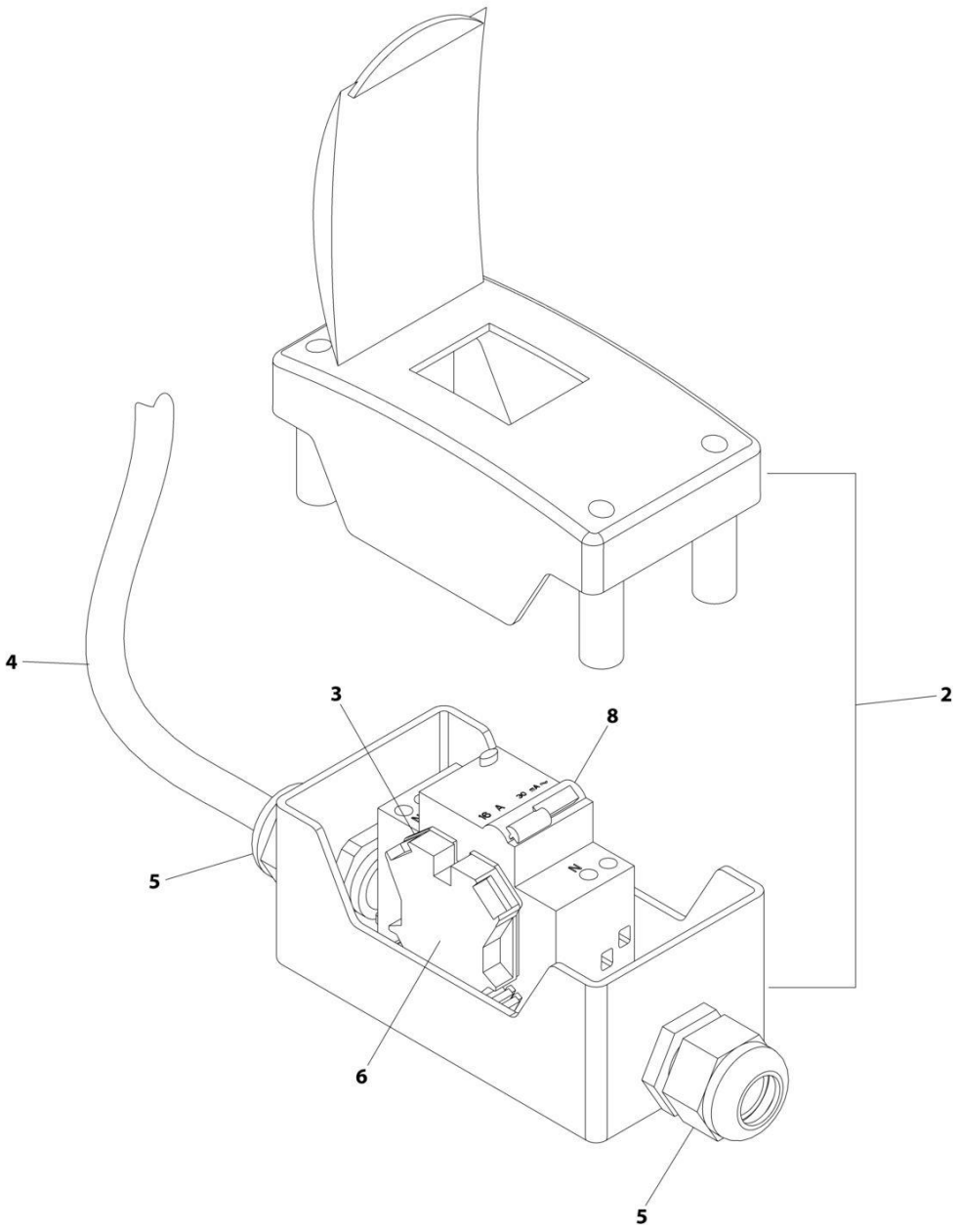


FIGURE 8-51. BREAKER BOX KIT - ONE DOUBLE 16AMP BREAKER (WITH 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165368	Ref	BREAKER BOX KIT	B
2	0861880	1	Box, Circuit Breaker	
3	4460956	1	Barrier, Terminal Block End	
4	1060545	12 ft/ 3.6m	Cable, Electrical 10/3	
5	1001101191	2	Connector, Strain Relief	
6	4460957	1	Block, Terminal	
8	1001181045	1	Breaker 30mA/16Amp	

FIGURE 8-52. BREAKER BOX KIT - 10 AMP (CE & UK CA SPECS WITHOUT 7500W GENERATOR)

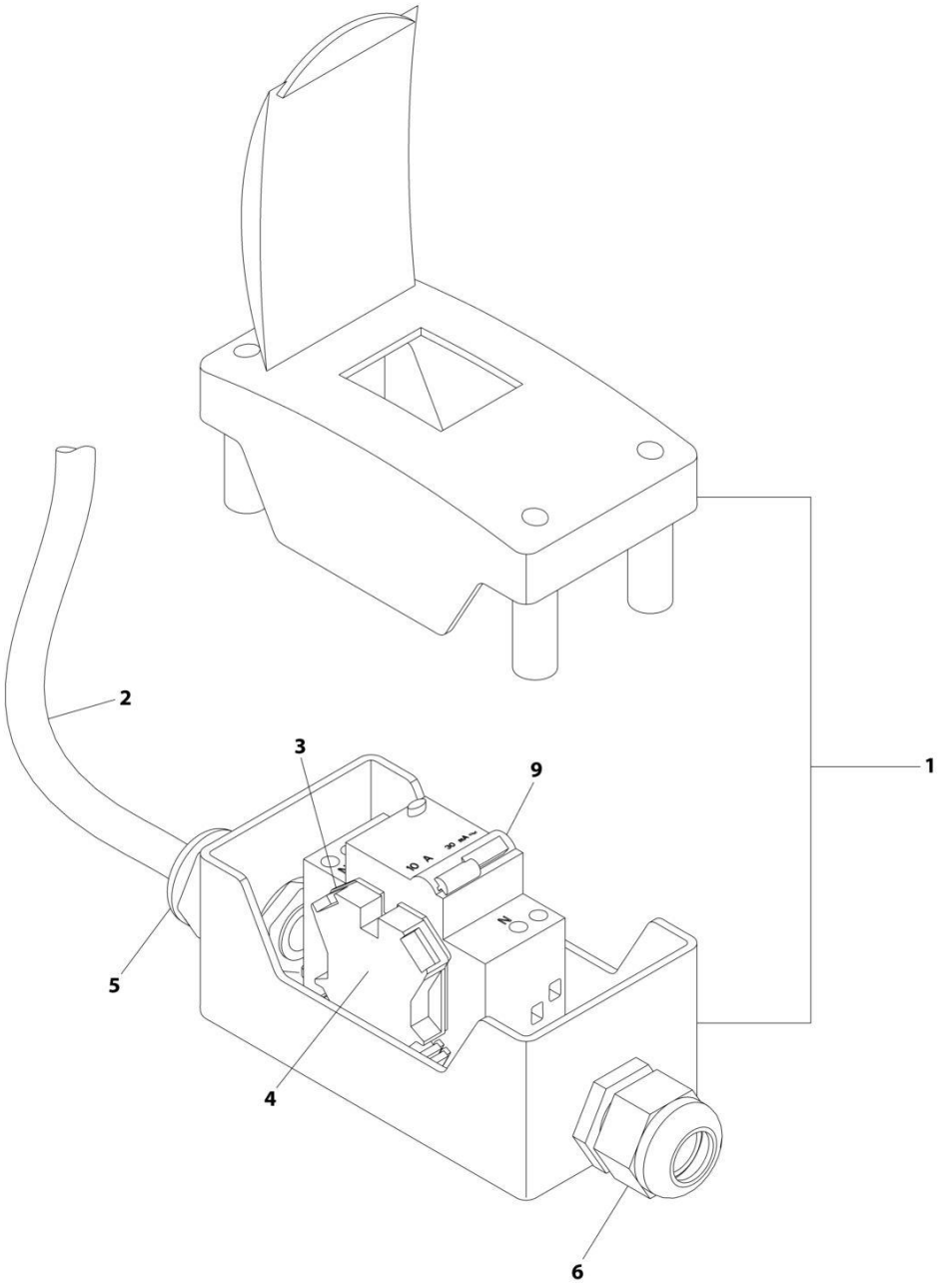


FIGURE 8-52. BREAKER BOX KIT - 10 AMP (CE & UK CA SPECS WITHOUT 7500W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001109648	Ref	BREAKER BOX KIT - 10 AMP (2500W GENERATOR)	B
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	1	Connector, Strain Relief	
6	1001101191	1	Connector, Strain Relief	
9	1001181046	1	Breaker 30mA/16Amp	

FIGURE 8-53. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (ANSI EXPORT, RUSSIAN, CE & UK CA SPECS)

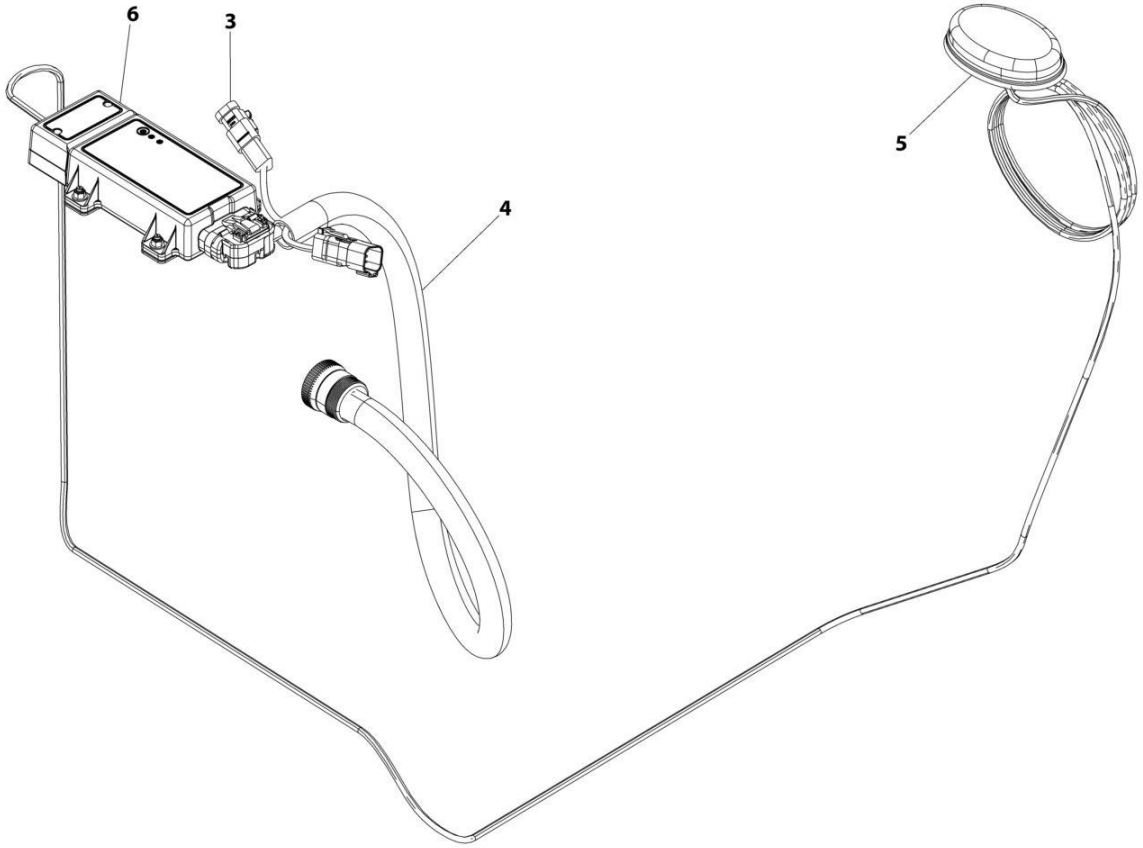


FIGURE 8-53. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (ANSI EXPORT, RUSSIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228950	REF	CLEARSKY INSTALLATION CANBUS CONNECTION	A
1	4240032	AR	Tie-Strap (Not Shown)	
2	4460234	AR	Strap, Cable Tie (Not Shown)	
3	1001116815	1	Connector	
4	1001226739	1	ClearSky Harness (See Separate Breakdown in this Section)	
5	1001226799	1	Antenna	
6	1001228954	1	Telematics Control Module (Note: Re-calibration Required when Replaced)	

FIGURE 8-54. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (AUSTRALIAN SPECS)

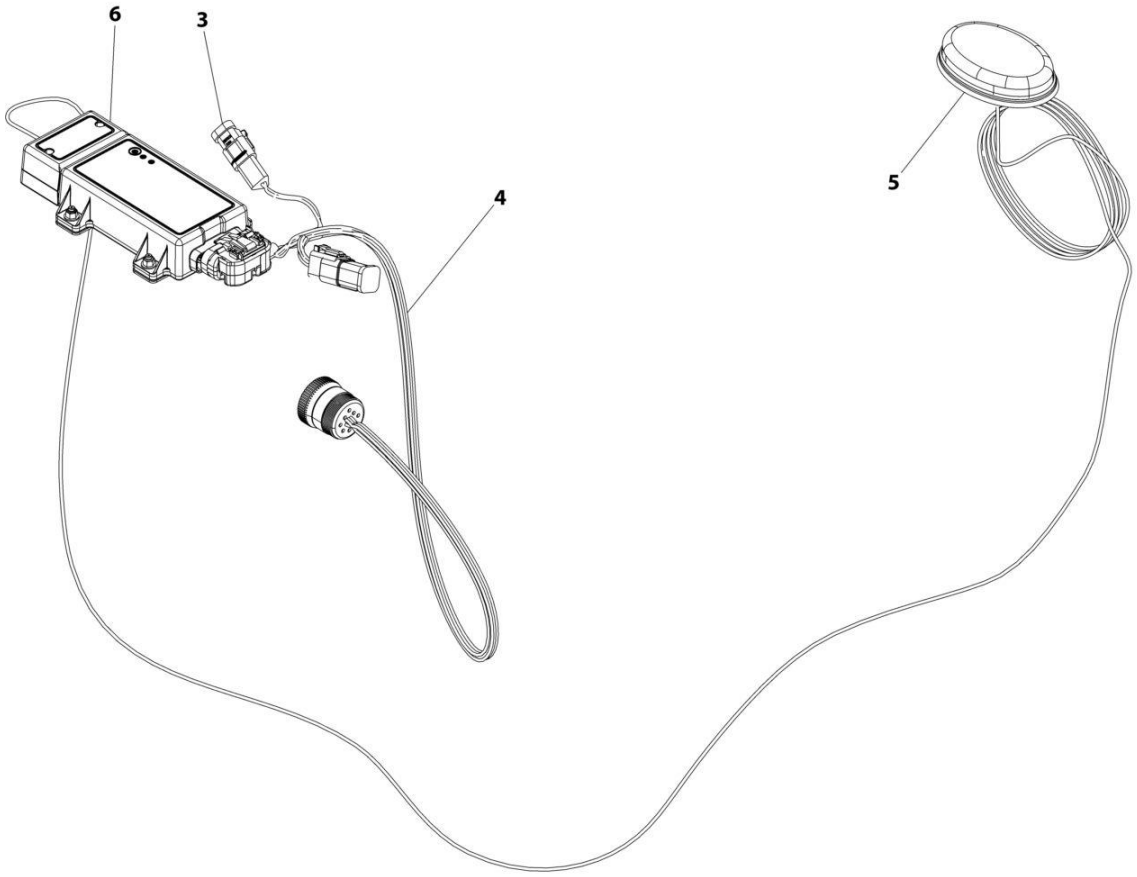


FIGURE 8-54. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (AUSTRALIAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246475	REF	CLEARSKY INSTALLATION CANBUS CONNECTION	A
1	4240032	AR	Tie-Strap (Not Shown)	
2	4460234	AR	Strap, Cable Tie (Not Shown)	
3	1001116815	1	Connector	
4	1001226739	1	ClearSky Harness (See Separate Breakdown in this Section)	
5	1001226799	1	Antenna	
6	1001246144	1	Telematics Control Module (Note: Re-calibration Required when Replaced)	

FIGURE 8-55. CLEARSKY INSTALLATION - 4G CANBUS CONNECTION (ANSI & CSA SPECS)

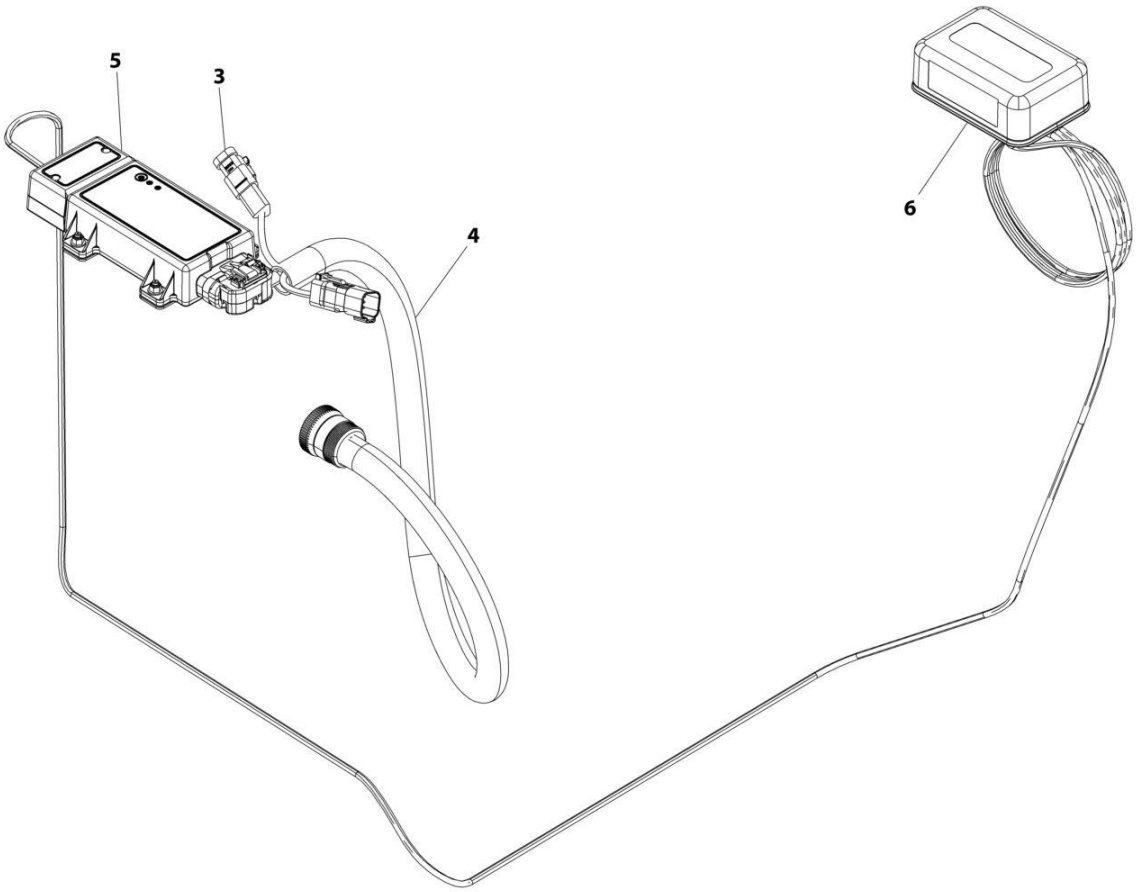


FIGURE 8-55. CLEARSKY INSTALLATION - 4G CANBUS CONNECTION (ANSI & CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227494	Ref	CLEARSKY INSTALLATION CANBUS CONNECTION	B
1	4240032	AR	Tie-Strap (Not Shown)	
2	4460234	AR	Strap, Cable Tie (Not Shown)	
3	1001116815	1	Connector	
4	1001226739	1	ClearSky Harness (See Separate Breakdown in this Section)	
5	1001262322	1	Telematics Control Module (Note: Re-calibration Required when Replaced)	
6	1001262326	1	Antenna	

FIGURE 8-56. CLEARSKY INSTALLATION - 4G CANBUS CONNECTION (CHINA SPECS)

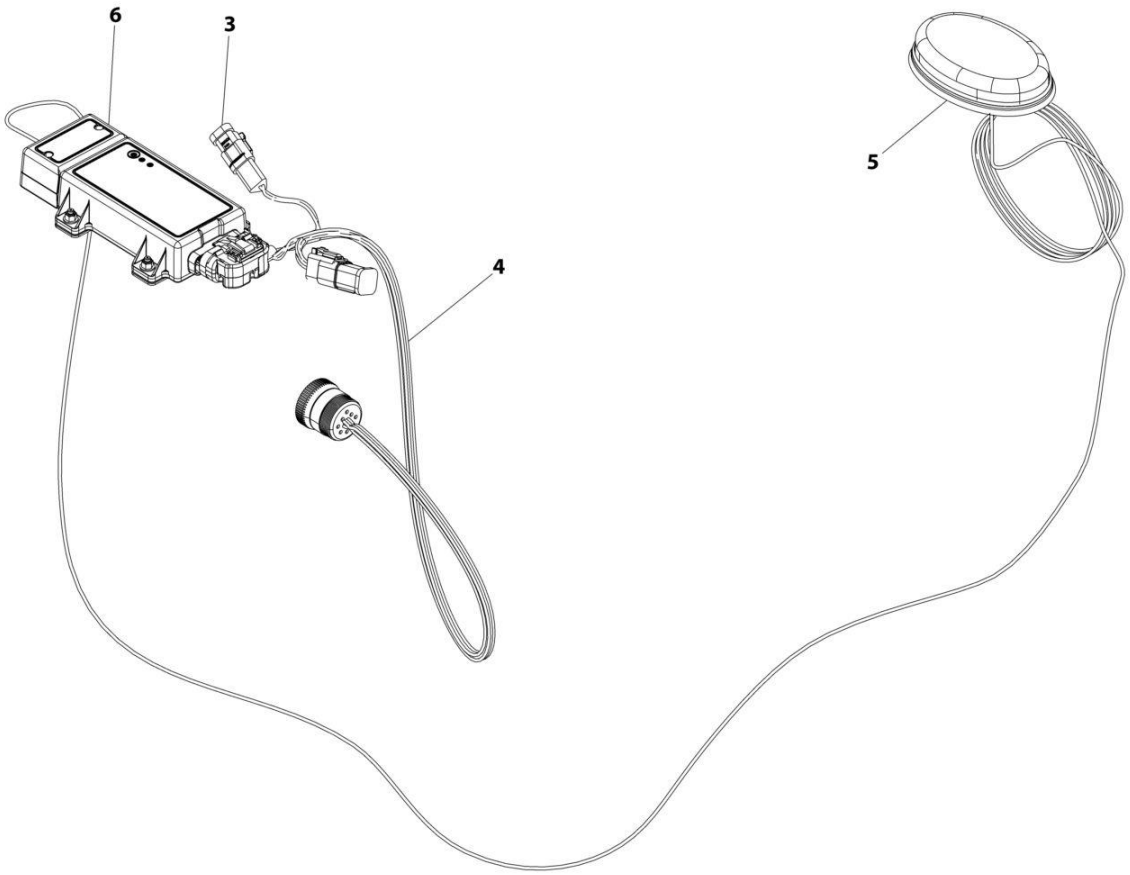
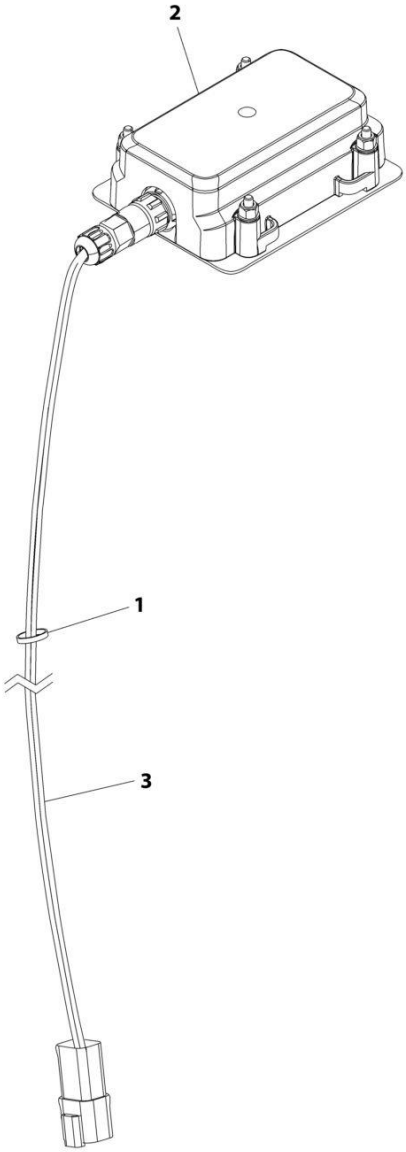


FIGURE 8-56. CLEARSKY INSTALLATION - 4G CANBUS CONNECTION (CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246476	Ref	CLEARSKY INSTALLATION CANBUS CONNECTION	A
1	4240032	AR	Tie-Strap (Not Shown)	
2	4460234	AR	Strap, Cable Tie (Not Shown)	
3	1001116815	1	Connector	
4	1001226739	1	ClearSky Harness (See Separate Breakdown in this Section)	
5	1001226799	1	Antenna	
6	1001246145	1	Telematics Control Module (Note: Re-calibration Required when Replaced)	

FIGURE 8-57. CLEARSKY INSTALLATION 3-WIRE CONNECTION (ALL SPECS EXCEPT UL & CHINA SPECS)



ART_1001276610

FIGURE 8-57. CLEARSKY INSTALLATION 3-WIRE CONNECTION (ALL SPECS EXCEPT UL & CHINA SPECS)

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

FIGURE 8-58. CLEARSKY HARNESS - 3G & 4G CANBUS CONNECTIONS

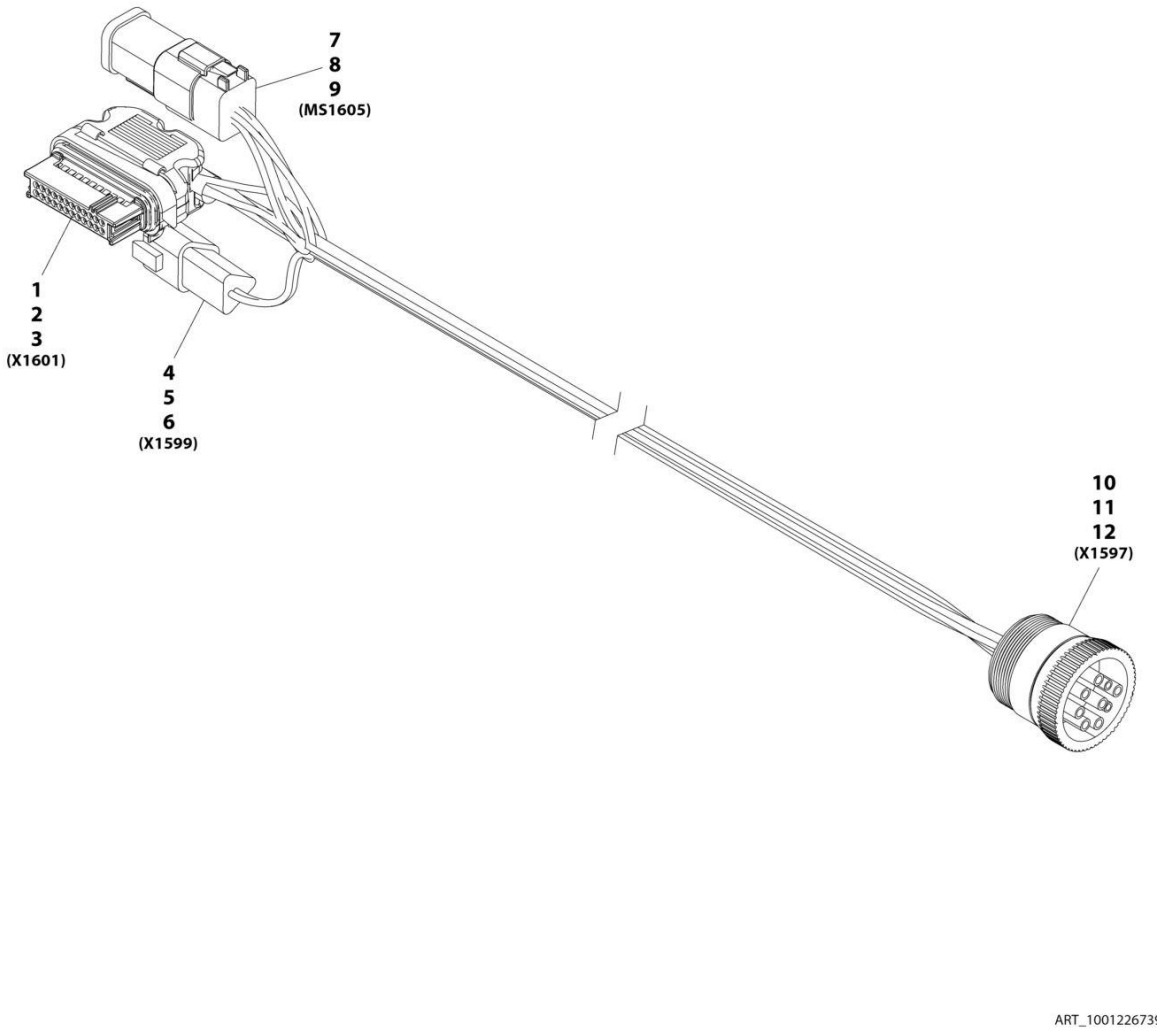


FIGURE 8-58. CLEARSKY HARNESS - 3G & 4G CANBUS CONNECTIONS

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

FIGURE 8-59. CLEARSKY HARNESS - 3 WIRE CONNECTION

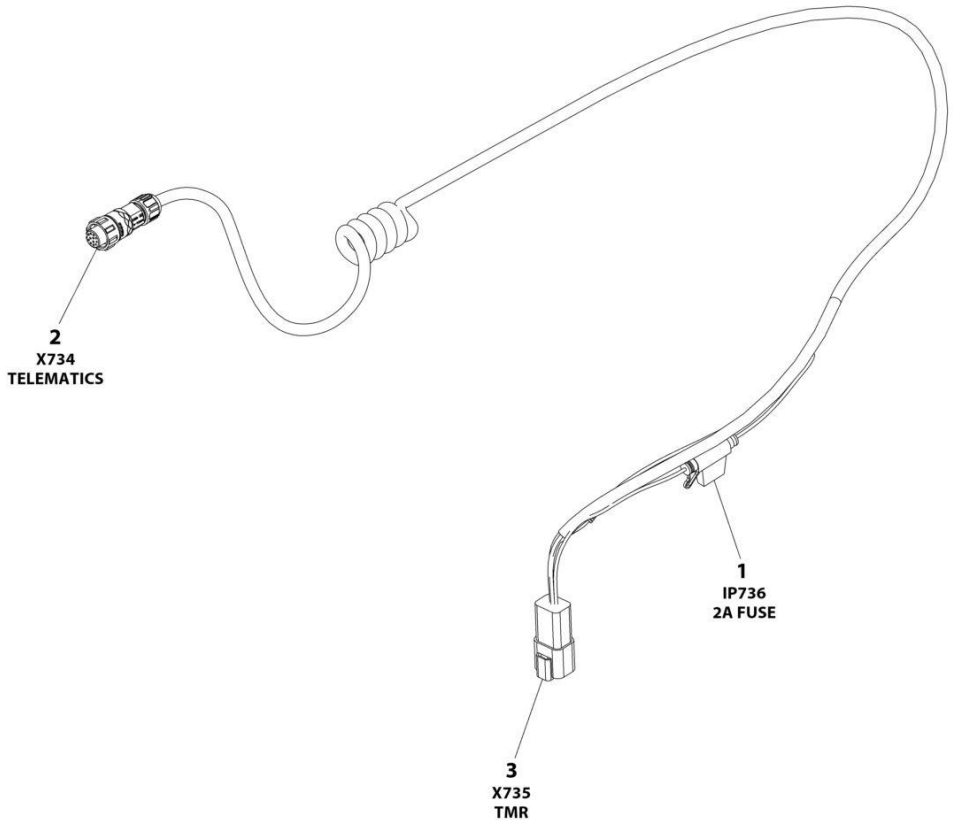


FIGURE 8-59. CLEARSKY HARNESS - 3 WIRE CONNECTION

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

FIGURE 8-60. ENGINE HARNESS - DEUTZ D2011 ENGINES (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

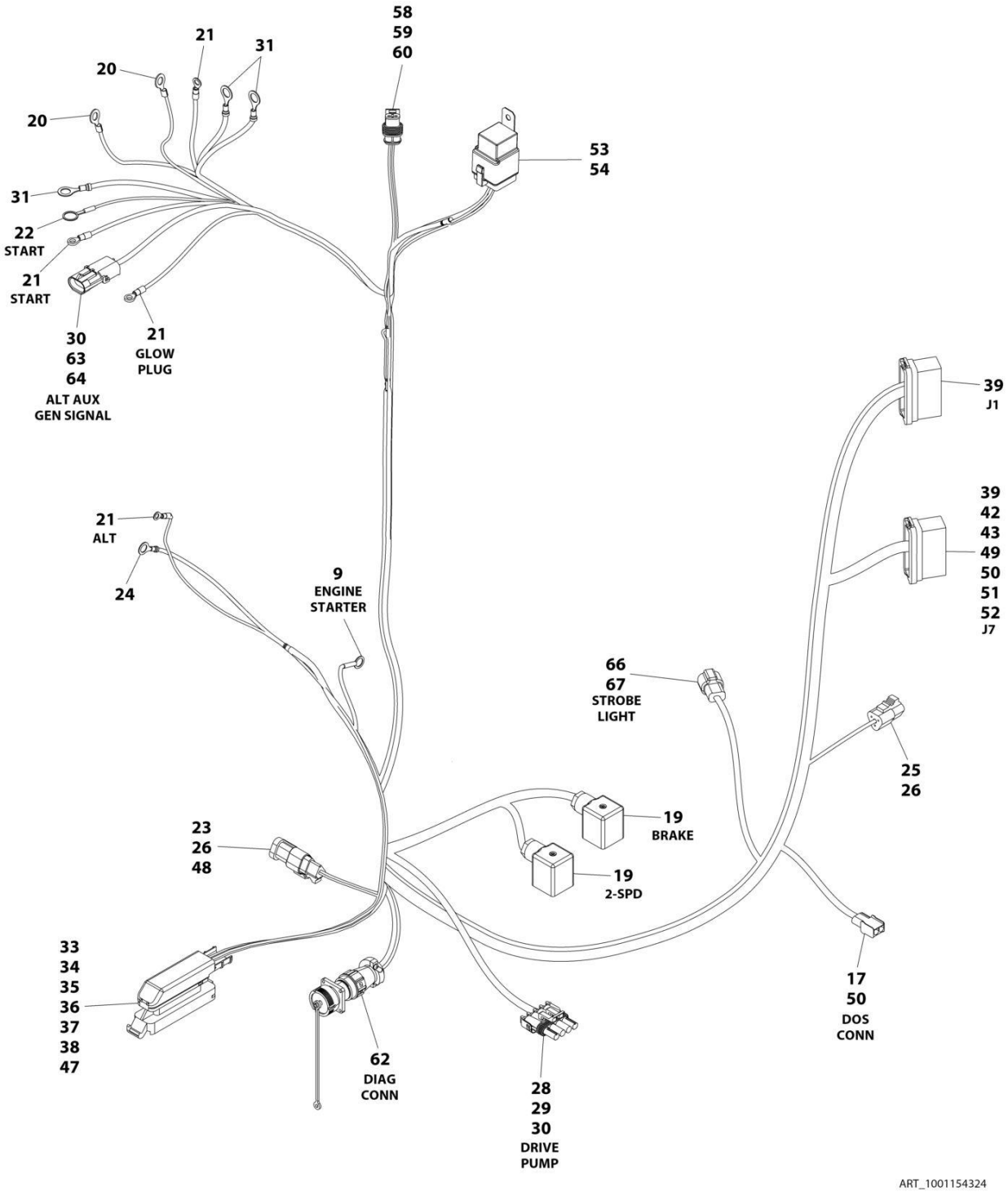


FIGURE 8-60. ENGINE HARNESS - DEUTZ D2011 ENGINES (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154324	Ref	ENGINE HARNESS - DEUTZ D2011 ENGINES	B
9	4460142	1	Terminal - Ring	
17	4460424	1	Connector - 2 Position	
19	1001263923	2	Connector, Din	
20	4460312	2	Terminal, Ring	
21	4460313	4	Terminal, Ring	
22	4460019	1	Terminal, Ring	
23	4461070	1	Connector - 3 Position	
24	4460043	1	Terminal, Ring 16 GA 1/4 Stud	
25	4460539	1	Position Plug, Male - 3 Position	
26	4460944	6	Socket, Female	
28	4460460	1	Connector - 4 Position	
29	4460457	4	Sleeve	
30	4460458	6	Seal	
31	4460670	3	Terminal, Ring	
33	4461052	1	Conenctor - 25 Position	
34	4461005	5	Terminal	
35	4461060	2	Terminal	
36	4461006	5	Seal	
37	4461054	2	Seal	
38	4461008	18	Plug, Terminal	
39	4460871	10	Socket, Female	
42	4460464	1	Terminal	
43	4460887	1	Terminal	
47	4461053	1	Cover	
48	4461095	1	Plug, Male - 3 Position	
49	4460465	2	Socket, Female	
50	4460226	4	Socket, Female	
51	4460259	1	Terminal	
52	4460260	1	Cover, Terminal	
53	4460374	1	Plug	
54	4460375	4	Terminal	
58	1001102290	1	Connector	
59	1001102304	2	Seal	
60	1001102291	2	Terminal	
62	2902443	1	Kit, Receptacle	
62	4461073	1	Cap, Dust	
63	4461157	1	Connector - 2 Position	
64	4460979	2	Pin, Male	
66	4460897	1	Connector	
67	1001116693	2	Socket, Female	

FIGURE 8-61. ENGINE HARNESS - DEUTZ D2011 ENGINES (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

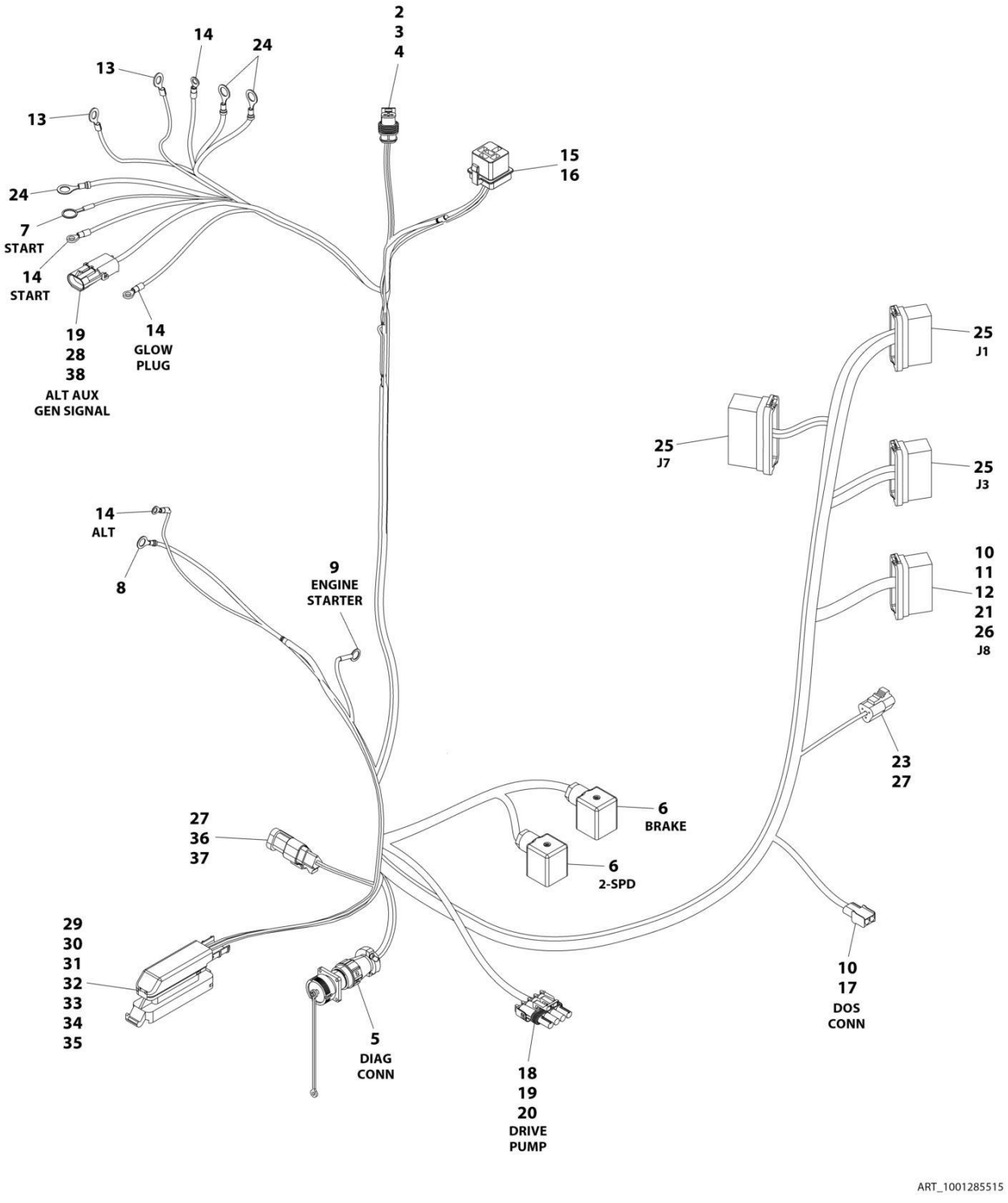


FIGURE 8-61. ENGINE HARNESS - DEUTZ D2011 ENGINES (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285515	Ref	ENGINE HARNESS - DEUTZ D2011 ENGINES	A
2	1001102290	1	Connector	
3	1001102291	2	Terminal	
4	1001102304	2	Seal	
5	2902443	1	Kit, Receptacle	
5	4461073	1	Cap, Dust	
6	1001263923	2	Connector	
7	4460019	1	Terminal, Ring	
8	4460043	1	Terminal, Ring	
9	4460142	1	Terminal - Ring	
10	4460226	4	Socket	
11	4460259	1	Terminal	
12	4460260	1	Cover, Terminal	
13	4460312	2	Terminal, Ring	
14	4460313	4	Terminal, Ring	
15	4460374	1	Plug	
16	4460375	4	Terminal	
17	4460424	1	Connector	
18	4460457	4	Socket	
19	4460458	6	Seal	
20	4460460	1	Connector	
21	4460465	2	Socket	
23	4460539	1	Connector	
24	4460670	3	Terminal, Ring	
25	4460871	10	Socket	
26	4460887	1	Terminal	
27	4460944	6	Socket	
28	4460979	2	Terminal	
29	4461005	5	Terminal	
30	4461006	5	Seal	
31	4461008	18	Plug, Terminal	
32	4461052	1	Connector	
33	4461053	1	Cover, Plug	
34	4461054	2	Seal	
35	4461060	2	Terminal	
36	4461070	1	Connector	
37	4461095	1	Plug	
38	4461157	1	Connector	

FIGURE 8-62. ENGINE HARNESS - DEUTZ D2011 ENGINES (CE, CHINA & UK CA SPECS) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

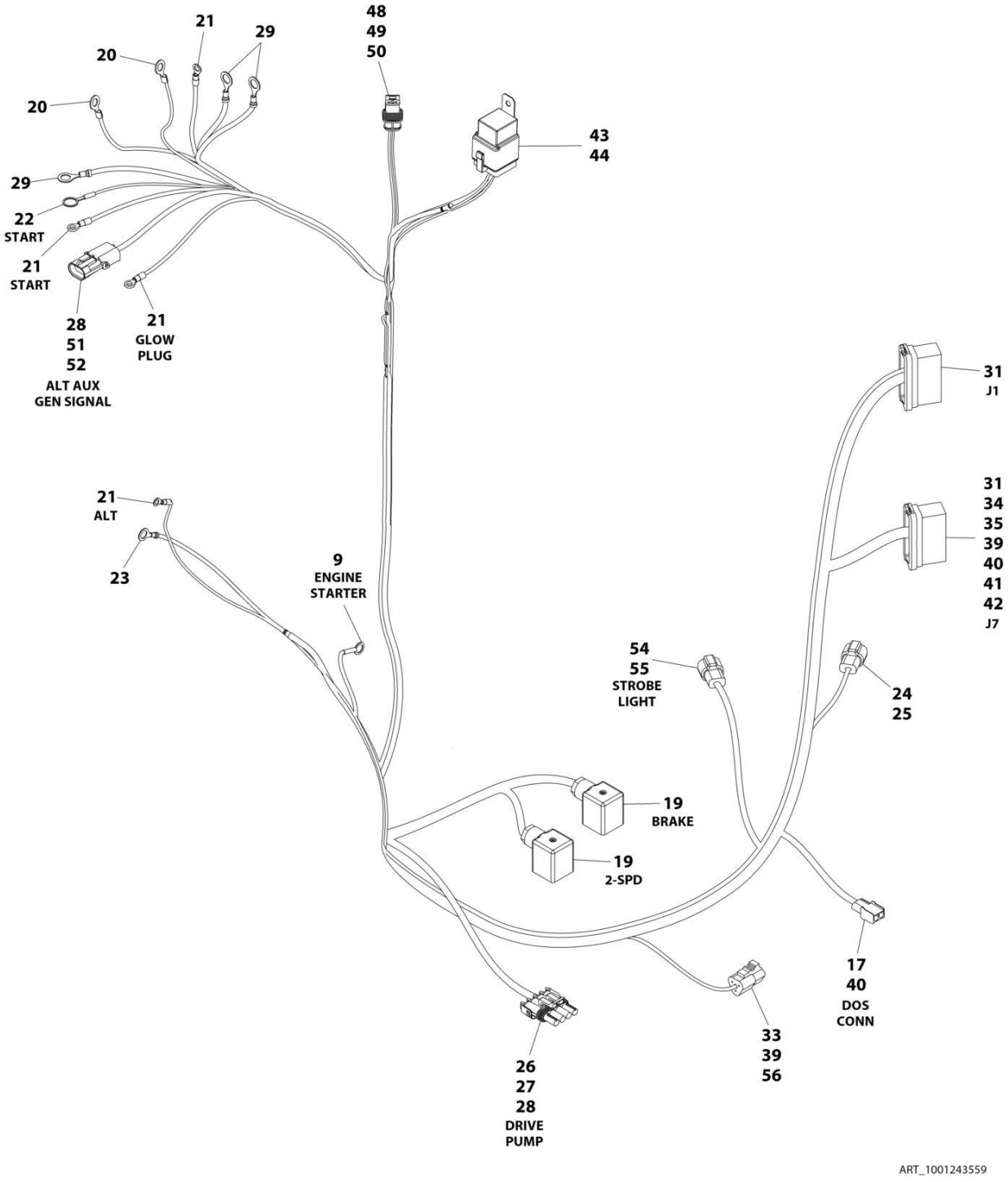


FIGURE 8-62. ENGINE HARNESS - DEUTZ D2011 ENGINES (CE, CHINA & UK CA SPECS) (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243559	Ref	ENGINE HARNESS - DEUTZ D2011 ENGINES	C
9	4460142	1	Terminal - Ring	
17	4460424	1	Connector - 2 Position	
19	4460880	2	Connector, Din	
20	4460312	2	Terminal, Ring	
21	4460313	4	Terminal, Ring	
22	4460019	1	Terminal, Ring	
23	4460043	1	Terminal, Ring 16 GA 1/4 Stud	
24	4460539	1	Position Plug, Male - 3 Position	
25	4460944	3	Socket, Female	
26	4460460	1	Connector - 4 Position	
27	4460457	4	Sleeve	
28	4460458	6	Seal	
29	4460670	3	Terminal, Ring	
31	4460871	9	Socket, Female	
33	4460466	1	Plug, Terminal	
34	4460464	1	Terminal	
35	4460887	1	Terminal	
39	4460465	5	Socket, Female	
40	4460226	4	Socket, Female	
41	4460259	1	Terminal	
42	4460260	1	Cover, Terminal	
43	4460374	1	Plug	
44	4460375	4	Terminal	
48	1001102290	1	Connector	
49	1001102304	2	Seal	
50	1001102291	2	Terminal	
51	4461157	1	Connector - 2 Position	
52	4460979	2	Pin, Male	
54	4460897	1	Connector	
55	1001116693	2	Socket, Female	
56	4460884	1	Connector - 4 Position	

FIGURE 8-63. ENGINE HARNESS - DEUTZ D2011 ENGINES (CE, CHINA & UK CA SPECS) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

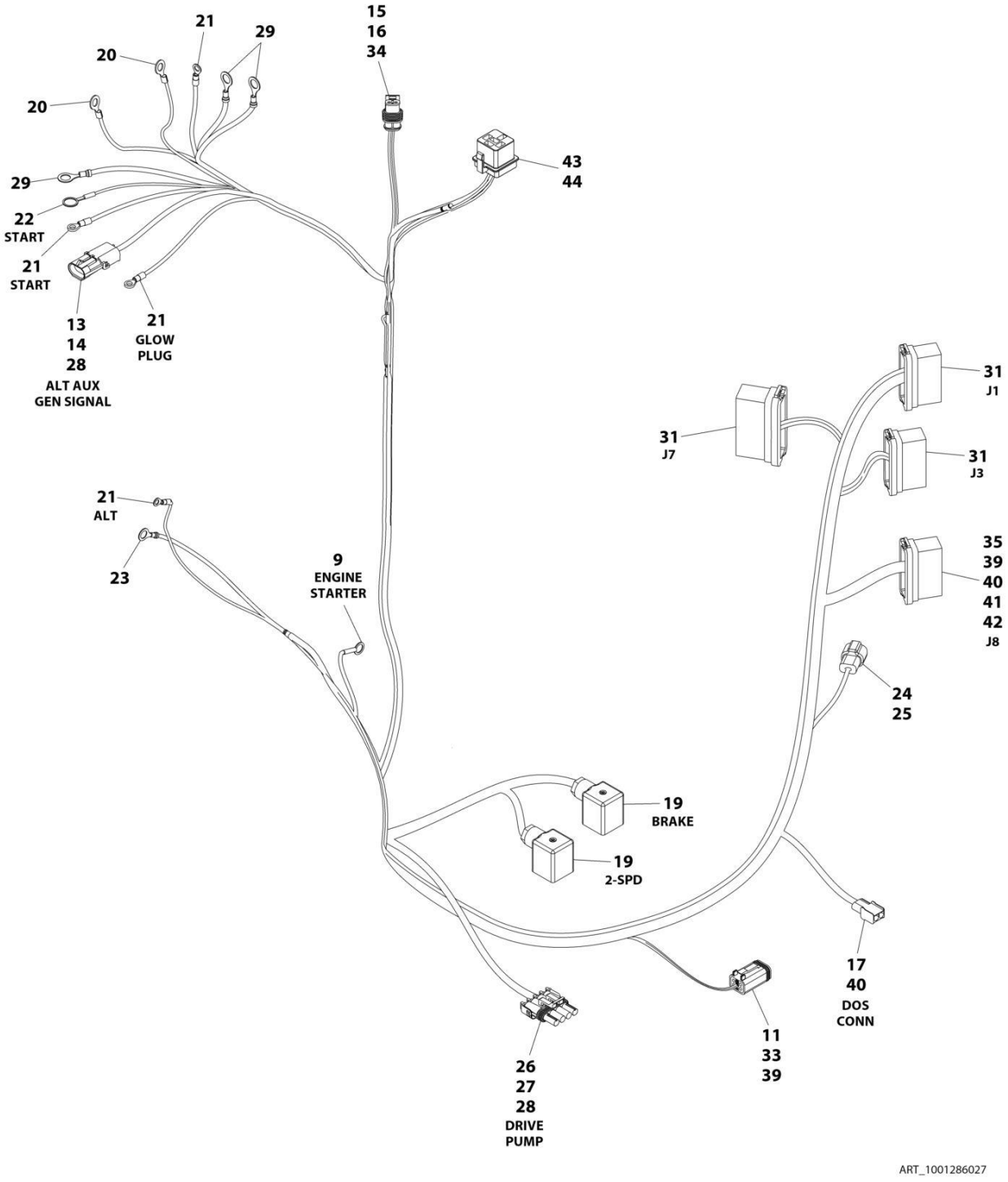


FIGURE 8-63. ENGINE HARNESS - DEUTZ D2011 ENGINES (CE, CHINA & UK CA SPECS) (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286027	Ref	ENGINE HARNESS - DEUTZ D2011 ENGINES	A
9	4460142	1	Terminal - Ring	
11	4460884	1	Connector	
13	4460979	2	Pin	
14	4461157	1	Connector	
15	1001102291	2	Terminal	
16	1001102304	2	Seal	
17	4460424	1	Connector	
19	4460880	2	Connector	
20	4460312	2	Terminal, Ring	
21	4460313	4	Terminal, Ring	
22	4460019	1	Terminal, Ring	
23	4460043	1	Terminal, Ring	
24	4460539	1	Plug	
25	4460944	3	Socket	
26	4460460	1	Connector	
27	4460457	4	Sleeve	
28	4460458	6	Seal	
29	4460670	3	Terminal, Ring	
31	4460871	9	Socket	
33	4460466	1	Plug, Terminal	
34	1001102290	1	Connector	
35	4460887	1	Terminal	
39	4460465	5	Socket	
40	4460226	4	Socket	
41	4460259	1	Terminal	
42	4460260	1	Cover, Terminal	
43	4460374	1	Plug	
44	4460375	4	Terminal	

FIGURE 8-64. ENGINE HARNESS - DEUTZ TD2.9L4 AND DEUTZ 2.9L4 (STAGE V) ENGINES (Prior to SN B300017904, Prior to SN 0300298220, Excluding 0300295807)

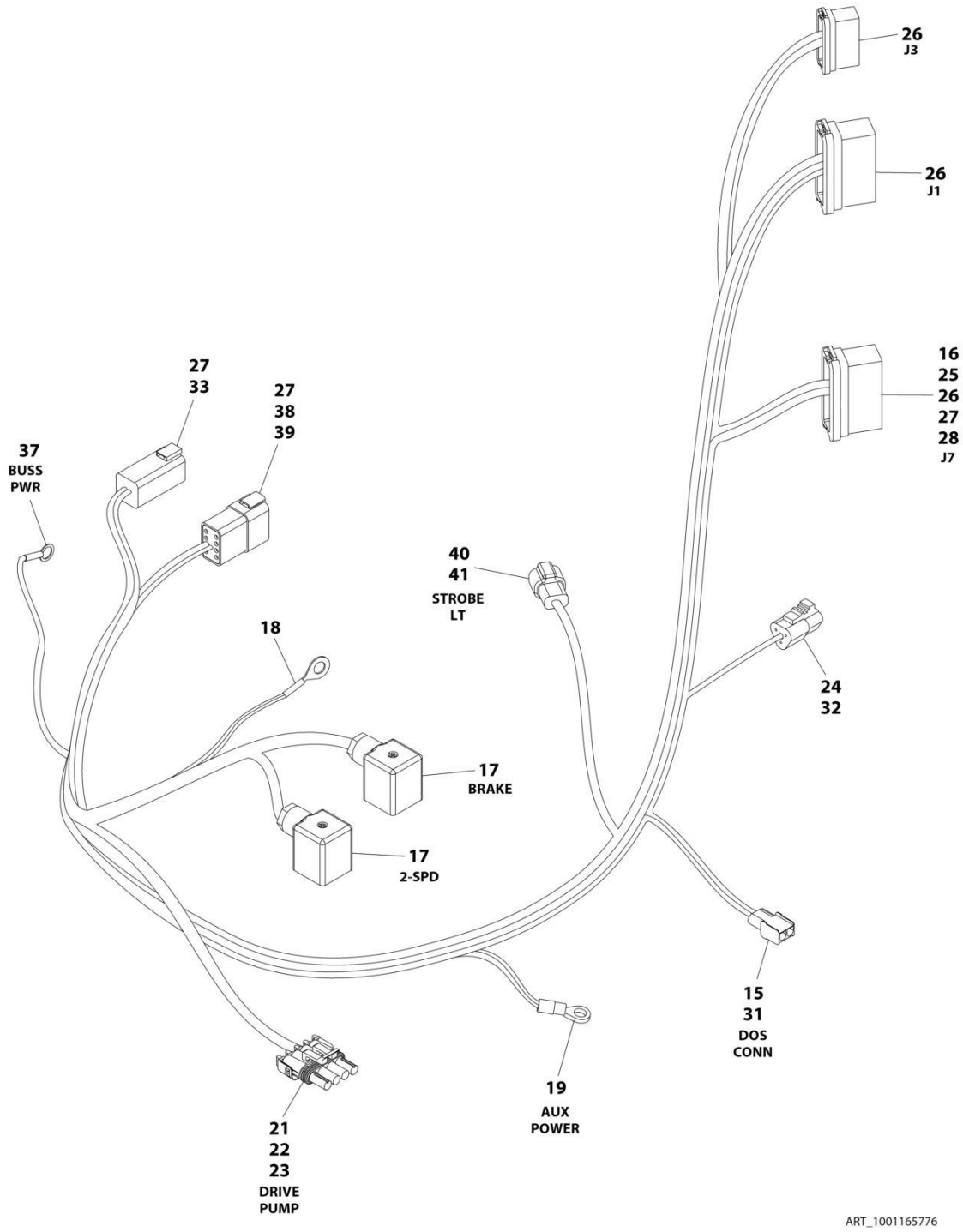


FIGURE 8-64. ENGINE HARNESS - DEUTZ TD2.9L4 AND DEUTZ 2.9L4 (STAGE V) ENGINES (Prior to SN B300017904, Prior to SN 0300298220, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165776	Ref	ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES	F
15	4460424	1	Connector - 2 Position	
16	4460268	1	Socket, Female	
17	4460880	2	Connector, Din	
18	4460019	1	Terminal, Ring	
19	4460313	1	Terminal, Ring	
21	4460460	1	Connector	
22	4460457	4	Terminal	
23	4460458	4	Seal	
24	4460539	1	Connector - 3 Position	
25	4460465	3	Socket, Female	
26	4460871	11	Socket, Female	
27	4460464	11	Pin, Male	
28	4460887	1	Terminal	
31	4460226	2	Socket, Female	
32	4460944	3	Socket, Female	
33	4460899	1	Receptacle, Female - 6 Position	
37	4460738	1	Terminal, Ring	
38	4460931	1	Plug, Male	
39	4460466	4	Plug, Terminal	
40	4460897	1	Connector - 2 Position	
41	1001116693	2	Terminal	

FIGURE 8-65. ENGINE HARNESS - DEUTZ TD2.9L4 AND DEUTZ 2.9L4 (STAGE V) ENGINES (SN B00017904 to Present, SN 0300298220 to Present, Including 0300295807)

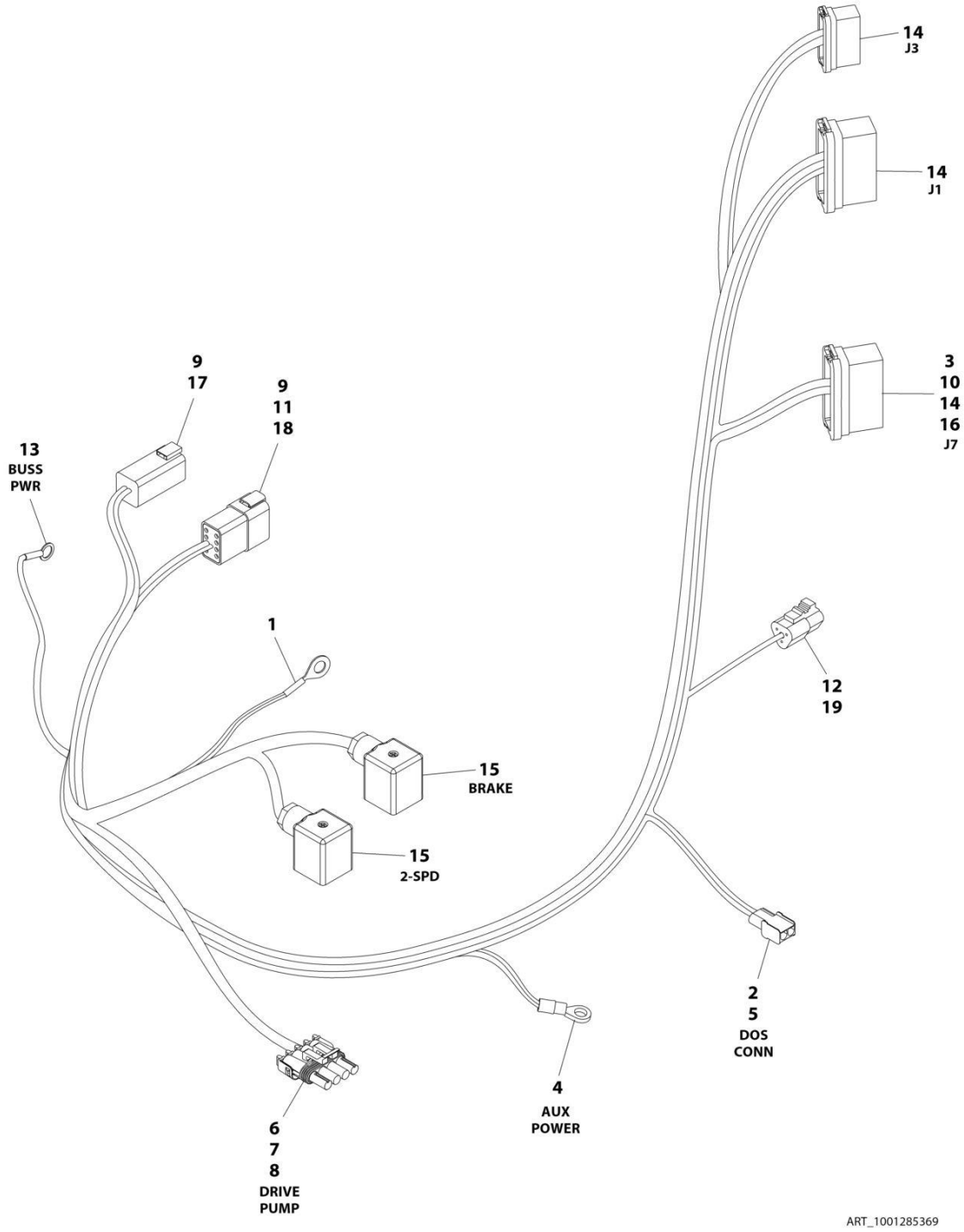


FIGURE 8-65. ENGINE HARNESS - DEUTZ TD2.9L4 AND DEUTZ 2.9L4 (STAGE V) ENGINES (SN B00017904 to Present, SN 0300298220 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285369	Ref	ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES	A
1	4460019	1	Connector	
2	4460226	2	Socket	
3	4460268	1	Socket	
4	4460313	1	Terminal, Ring	
5	4460424	1	Connector	
6	4460457	4	Terminal	
7	4460458	4	Seal	
8	4460460	1	Connector	
9	4460464	10	Pin	
10	4460465	3	Socket	
11	4460466	4	Plug, Terminal	
12	4460539	1	Connector	
13	4460738	1	Terminal, Ring	
14	4460871	11	Socket	
15	4460880	2	Connector	
16	4460887	1	Terminal	
17	4460899	1	Connector	
18	4460931	1	Connector	
19	4460944	3	Socket	

FIGURE 8-66. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES

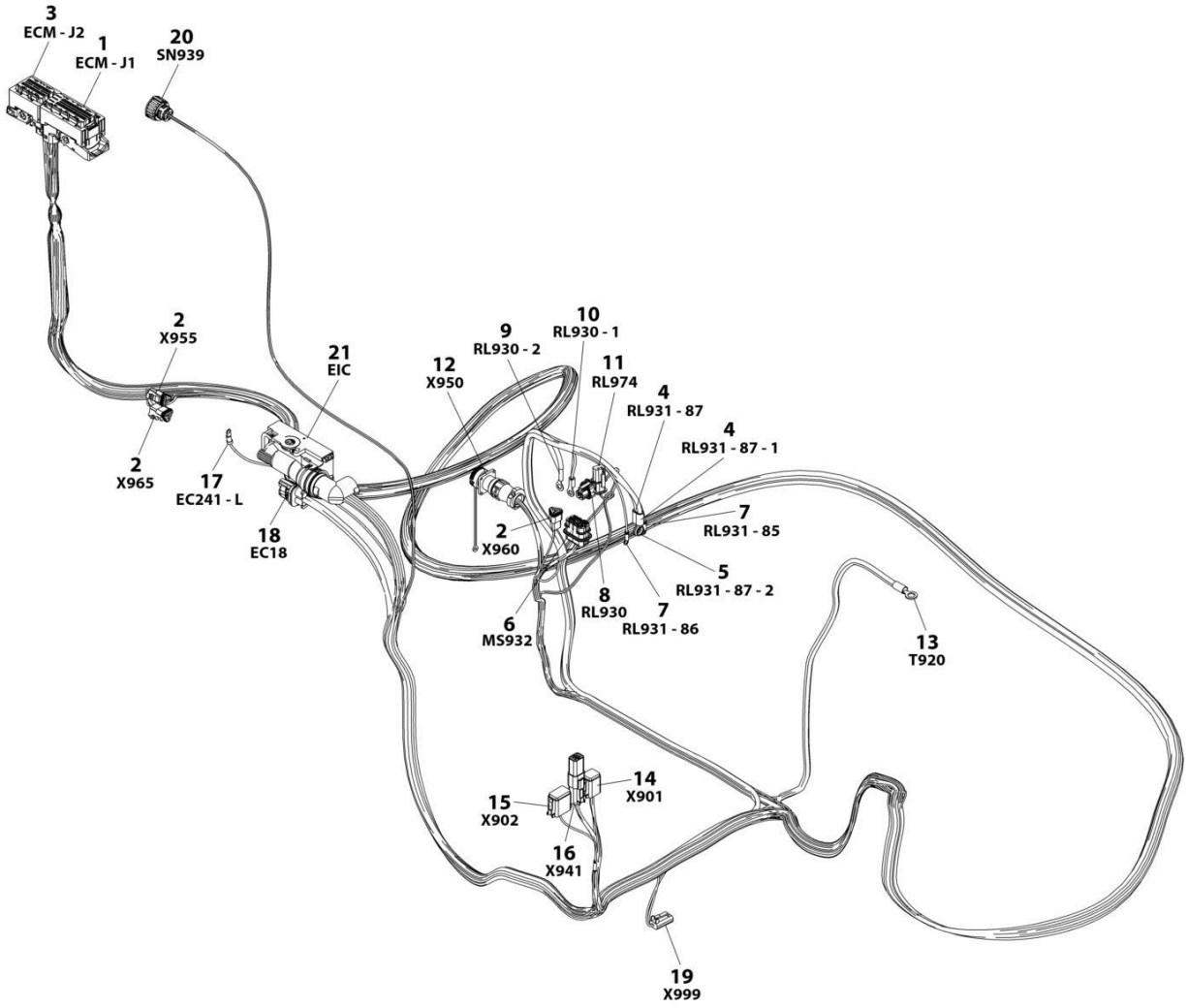


FIGURE 8-66. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES

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 8-67. ENGINE HARNESS - DEUTZ TD2.9L4 (STAGE V & CHINA IV) ENGINES (Prior to SN B300017278)

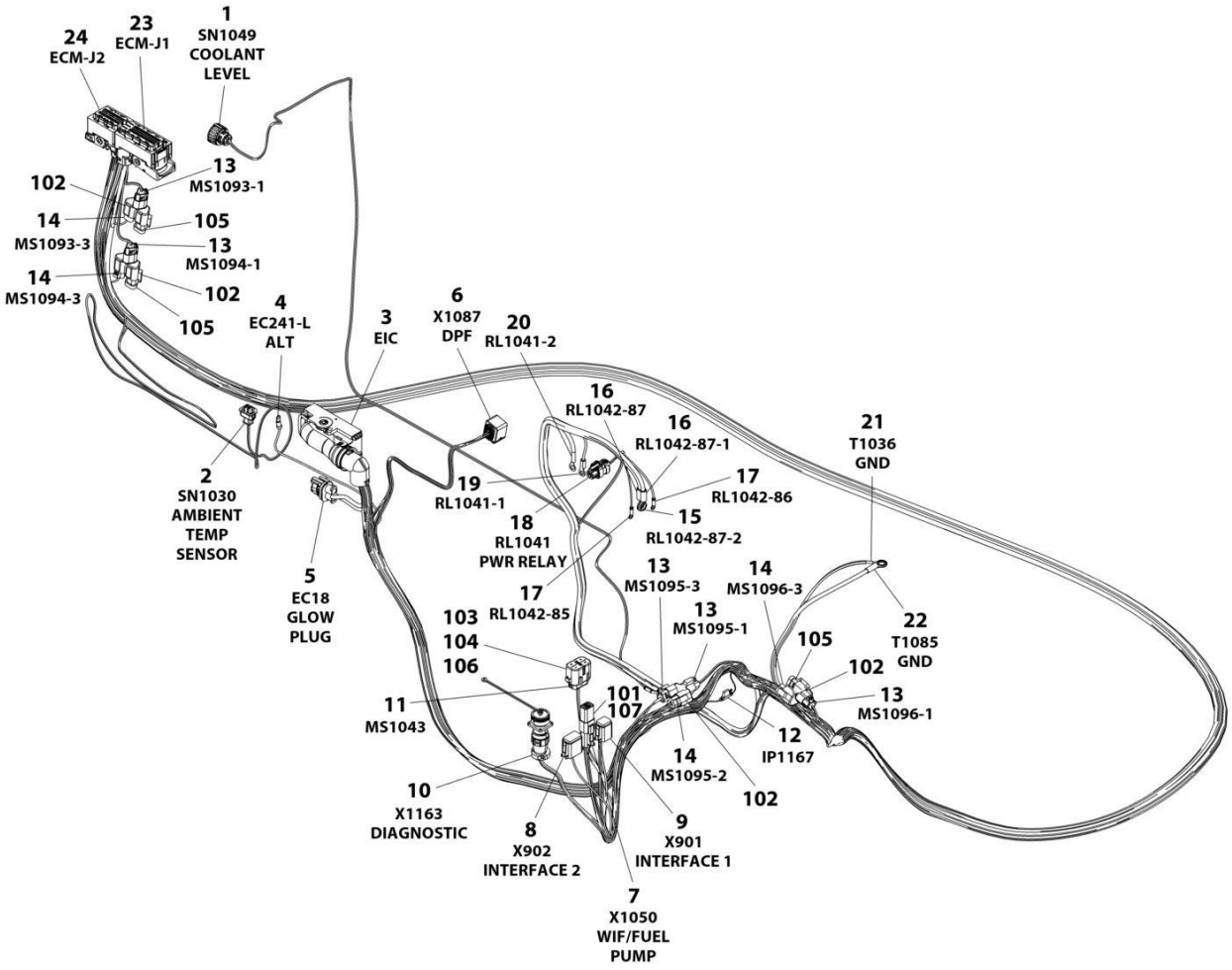


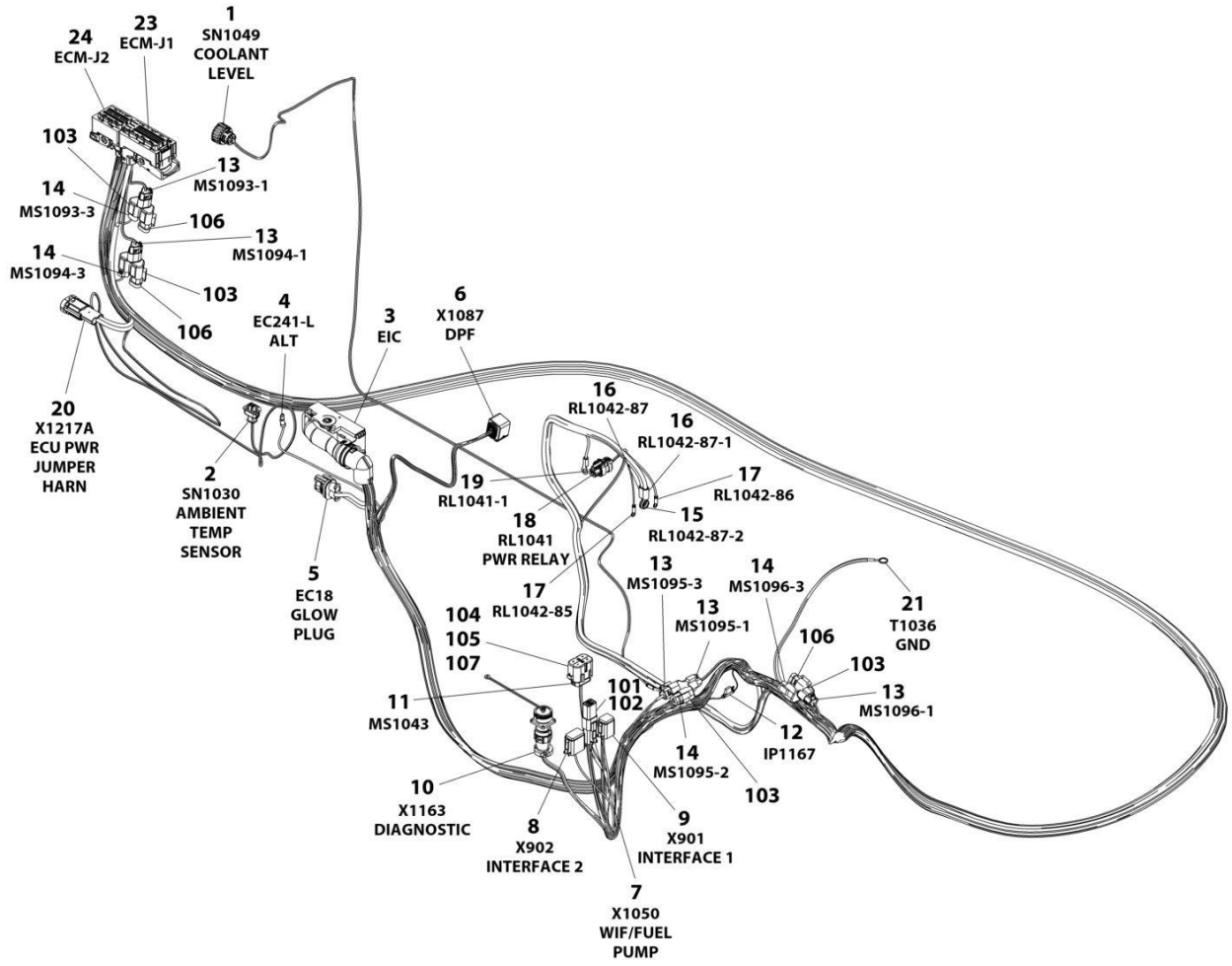
FIGURE 8-67. ENGINE HARNESS - DEUTZ TD2.9L4 (STAGE V & CHINA IV) ENGINES (Prior to SN B300017278)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238878	Ref	Engine Harness - Deutz Engines	F
1	1001133714	1	Connector - 4 Position	
1	1001133715	3	Terminal	
1	1001135650	3	Seal, Terminal	
1	1001135651	1	Plug, Terminal	
2	1001126487	1	Connector - 2 Position	
2	1001167635	2	Terminal	
2	1001126485	2	Seal, Terminal	
3	1001126362	1	Connector - 62 Position	
3	1001126363	37	Terminal	
3	1001126392	12	Terminal	
3	1001126391	7	Plug, Terminal	
3	4461008	4	Plug, Terminal	
3	1001167632	2	Terminal	
3	1001126364	37	Seal, Terminal	
3	1001223459	12	Seal, Terminal	
3	4461054	2	Seal, Terminal	
4	4460042	1	Terminal, Ring	
5	1001142938	1	Plug, Male - 2 Position	
5	1001142940	2	Terminal	
5	1001142941	2	Seal	
6	1001239202	1	Connector - 8 Position	
6	1001126363	7	Terminal	
6	1001126391	1	Plug, Terminal	
6	1001126364	7	Seal, Terminal	
7	4460884	1	Connector - 4 Position	
7	4460465	2	Socket, Female	
7	4460942	2	Socket, Female	
8	4460930	1	Plug, Male - 8 Position	
8	4460465	1	Socket, Female	
8	4460466	7	Plug, Terminal	
9	4460894	1	Plug, Male - 6 Position	
9	4460465	2	Socket, Female	
9	4460944	2	Socket, Female	
9	4460466	2	Plug, Terminal	
10	2902443	1	Receptacle Kit	
10	4461073	1	Cap, Dust	
10	4461071	6	Terminal	
11	80484084	1	Plug, Male - 8 Position	
11	4460748	4	Seal, Terminal	
11	4460746	3	Terminal	
11	1001234800	1	Terminal	
11	4460458	4	Seal, Terminal	
12	1001170764	1	Fuse Holder, Includes Resistor	
12	1001197719	1	Resistor 0.5W	
13	1001116812	5	Plug, Male - 3 Position	
13	4460944	10	Socket, Female	
13	4460466	5	Plug, Terminal	
14	4460539	4	Connector - 3 Position	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
14	4460944	8	Socket, Female	
14	4460466	4	Plug, Terminal	
15	4460703	1	Terminal, Ring	
16	1001117107	2	Terminal, Ring	
17	4460247	2	Terminal, Ring	
18	1001116952	1	Plug, Male - 2 Position	
18	4460465	2	Socket, Female	
19	4460043	1	Terminal, Ring	
20	1001117106	1	Terminal, Ring	
21	4460019	1	Terminal, Ring	
22	8220164	1	Terminal, Ring	
23	1001133956	1	Connector - 94 Position	
23	1001126351	3	Terminal	
23	1001182361	6	Terminal	
23	1001230934	25	Terminal	
23	1001230935	55	Plug, Terminal	
23	1001252527	4	Terminal	
23	1001230936	1	Plug, Terminal	
23	1001182365	6	Seal, Terminal	
24	1001133957	1	Connector - 60 Position	
24	1001126351	13	Terminal	
24	1001230935	10	Plug, Terminal	
24	1001230934	26	Terminal	
24	1001230936	11	Plug, Terminal	
101	4460932	1	Connector - Female	
102	4460945	4	Receptacle, 3 Way	
103	8229242	1	Fuse - 5Amp	
104	80983191	1	Fuse - 10Amp	
105	1001116815	3	Connector	
106	1001147264	1	Cap	
107	4460466	4	Seal, Terminal	

FIGURE 8-68. ENGINE HARNESS - DEUTZ TD2.9L4 (STAGE V & CHINA IV) ENGINES (SN STARTING WITH 03 & B300017278 TO PRESENT)



ART_1001276644

FIGURE 8-68. ENGINE HARNESS - DEUTZ TD2.9L4 (STAGE V & CHINA IV) ENGINES (SN STARTING WITH 03 & B300017278 TO PRESENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276644	Ref	Engine Harness - Deutz Engines	B
1	1001133714	1	Connector	
1	1001133715	3	Terminal	
1	1001135650	3	Seal, Terminal	
1	1001135651	1	Plug, Terminal	
2	1001126487	1	Connector	
2	1001167635	2	Terminal	
2	1001126485	2	Seal, Terminal	
3	1001126362	1	Connector	
3	1001126363	37	Terminal	
3	1001126392	12	Terminal	
3	1001126391	7	Plug, Terminal	
3	4461008	4	Plug, Terminal	
3	1001167632	2	Terminal	
3	1001126364	37	Seal, Terminal	
3	1001223459	12	Seal, Terminal	
3	4461054	2	Seal, Terminal	
4	4460042	1	Terminal, Ring	
5	1001142938	1	Plug	
5	1001142940	2	Terminal	
5	1001142941	2	Seal	
6	1001239202	1	Connector	
6	1001126363	7	Terminal	
6	1001126391	1	Plug, Terminal	
6	1001126364	7	Seal, Terminal	
7	4460884	1	Connector	
7	4460465	2	Socket	
7	4460942	2	Socket	
8	4460930	1	Plug	
8	4460465	1	Socket	
8	4460466	7	Plug, Terminal	
9	4460894	1	Plug	
9	4460465	2	Socket	
9	4460944	2	Socket	
9	4460466	2	Plug, Terminal	
10	2902443	1	Receptacle Kit	
10	4461073	1	Cap, Dust	
10	4461071	6	Terminal	
11	80484084	1	Plug	
11	4460748	4	Seal, Terminal	
11	4460746	3	Terminal	
11	1001234800	1	Terminal	
11	4460458	4	Seal, Terminal	
12	1001170764	1	Fuse Holder, Includes Resistor	
12	1001197719	1	Resistor 0.5W	
13	1001116812	5	Plug	
13	4460944	10	Socket	
13	4460466	5	Plug, Terminal	
14	4460539	4	Connector	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
14	4460944	8	Socket	
14	4460466	4	Plug, Terminal	
15	4460703	1	Terminal, Ring	
16	1001117107	2	Terminal, Ring	
17	4460247	2	Terminal, Ring	
18	1001116952	1	Plug	
18	4460465	2	Socket	
19	4460043	1	Terminal, Ring	
20	1001289552	1	Connector	
20	1001289553	2	Socket	
20	1001142941	2	Seal	
21	4460019	1	Terminal, Ring	
23	1001133956	1	Connector	
23	1001126351	3	Terminal	
23	1001182361	6	Terminal	
23	1001230934	25	Terminal	
23	1001230935	55	Plug, Terminal	
23	1001252527	4	Terminal	
23	1001230936	1	Plug, Terminal	
23	1001182365	6	Seal, Terminal	
24	1001133957	1	Connector	
24	1001126351	13	Terminal	
24	1001230935	10	Plug, Terminal	
24	1001230934	26	Terminal	
24	1001230936	11	Plug, Terminal	
101	4460466	4	Seal, Terminal	
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 8-69. ENGINE HARNESS - FORD DF 2.5L ENGINES (Prior to SN 0300298220, Excluding 0300295807)

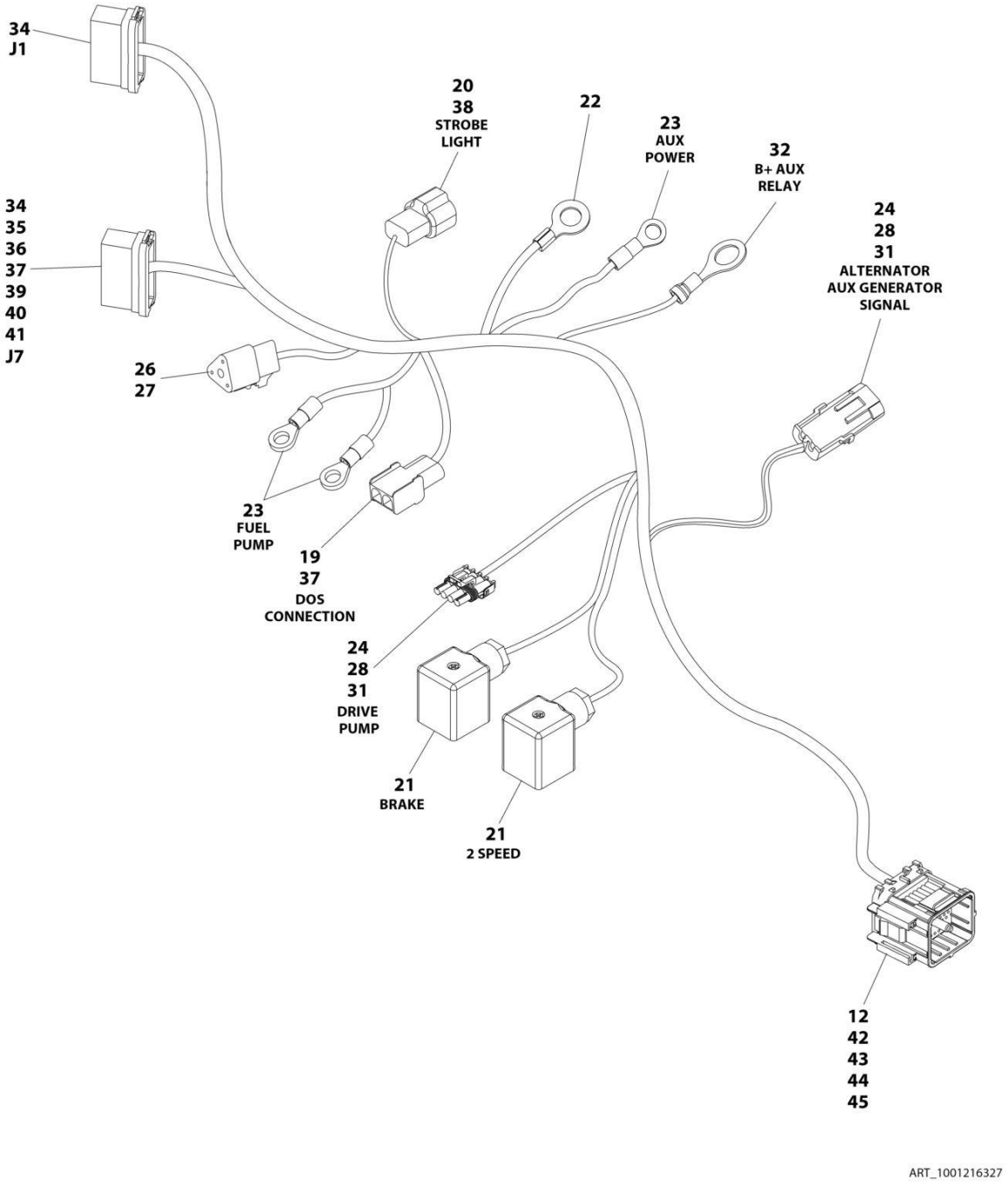


FIGURE 8-69. ENGINE HARNESS - FORD DF 2.5L ENGINES (Prior to SN 0300298220, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216327	Ref	ENGINE HARNESS - FORD DF 2.5L ENGINES	C
12	1001216213	3	Plug, Terminal	
18	4240032	AR	Tie-Strap (Not Shown)	
19	4460424	1	Connector - 2 Position	
20	1001116693	2	Socket, Female	
21	4460880	2	Connector, Din	
22	4460312	1	Terminal, Ring	
23	4460313	3	Terminal, Ring	
24	4460979	2	Pin, Male	
26	4460539	1	Connector - 3 Position	
27	4460944	3	Socket, Female	
28	4461157	1	Connector - 2 Position	
29	4460460	1	Connector - 4 Position	
30	4460457	4	Terminal	
31	4460458	6	Seal	
32	4460738	1	Terminal, Ring	
34	4460871	9	Socket, Female	
35	4460464	1	Pin, Male	
36	4460887	1	Terminal	
37	4460226	3	Socket, Female	
38	4460897	1	Connector - 2 Position	
39	4460465	2	Socket, Female	
40	4460259	1	Terminal (Not Shown)	
41	4460260	1	Cover, Terminal (Not Shown)	
42	1001215016	1	Connector - 42 Position	
43	1001215091	5	Terminal, Male	
44	1001215534	33	Plug, Terminal	
45	1001216212	1	Terminal, Male	

FIGURE 8-70. ENGINE HARNESS - FORD DF 2.5L ENGINES (SN 0300298220 to Present, Including 0300295807)

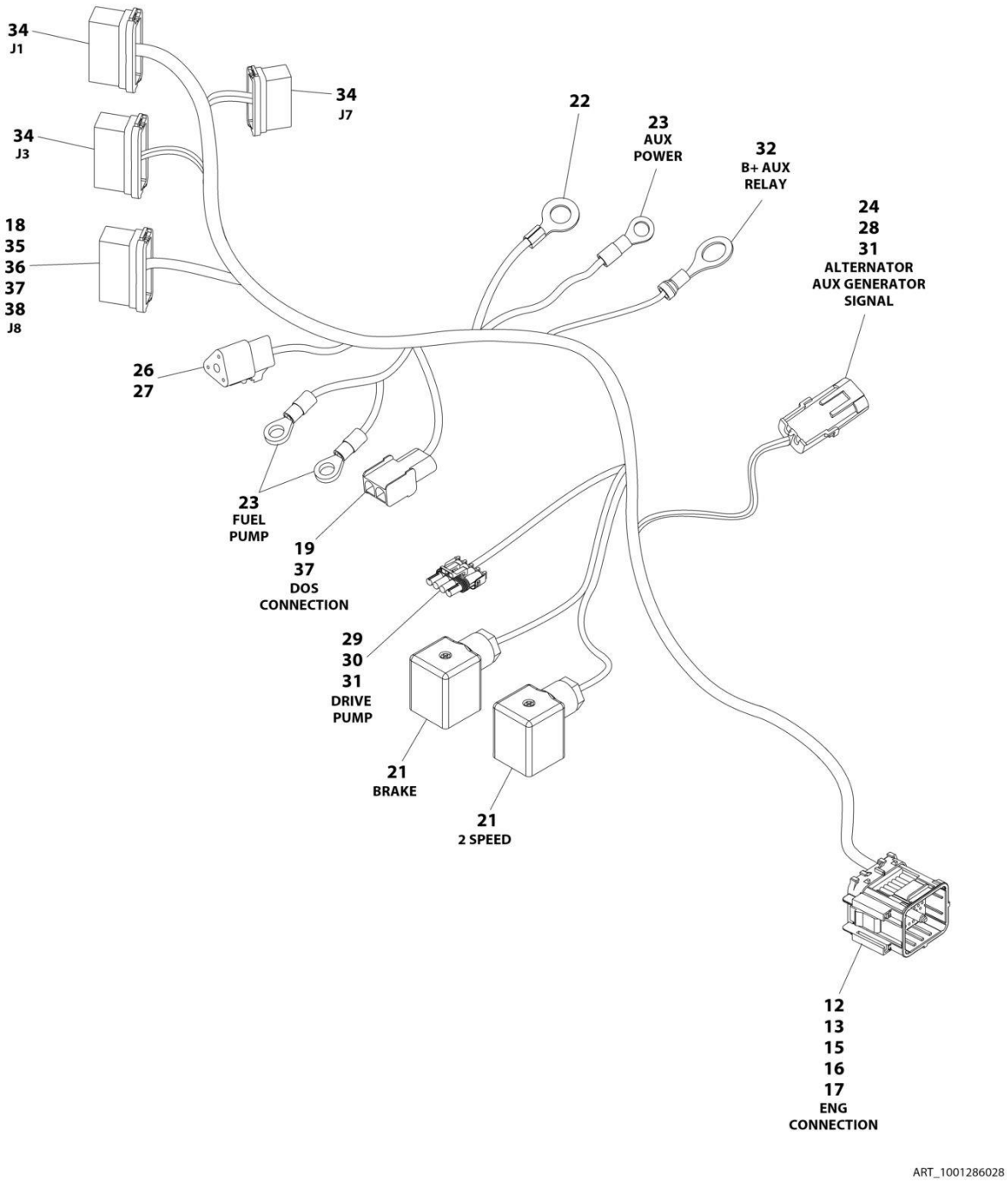


FIGURE 8-70. ENGINE HARNESS - FORD DF 2.5L ENGINES (SN 0300298220 to Present, Including 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286028	Ref	ENGINE HARNESS - FORD DF 2.5L ENGINES	B
12	1001216213	3	Plug, Terminal	
13	1001216212	1	Terminal	
15	1001215534	33	Plug, Terminal	
16	1001215091	5	Terminal	
17	1001215016	1	Connector	
18	4460260	1	Cover, Terminal	
19	4460424	1	Connector	
21	4460880	2	Connector	
22	4460312	1	Terminal, Ring	
23	4460313	3	Terminal, Ring	
24	4460979	2	Pin	
26	4460539	1	Connector	
27	4460944	3	Socket	
28	4461157	1	Connector	
29	4460460	1	Connector	
30	4460457	4	Terminal	
31	4460458	6	Seal	
32	4460738	1	Terminal, Ring	
34	4460871	9	Socket	
35	4460259	1	Terminal	
36	4460887	1	Terminal	
37	4460226	3	Socket	
38	4460465	2	Socket	

FIGURE 8-71. FUEL PUMP HARNESS - DEUTZ TD2.9L4 ENGINES

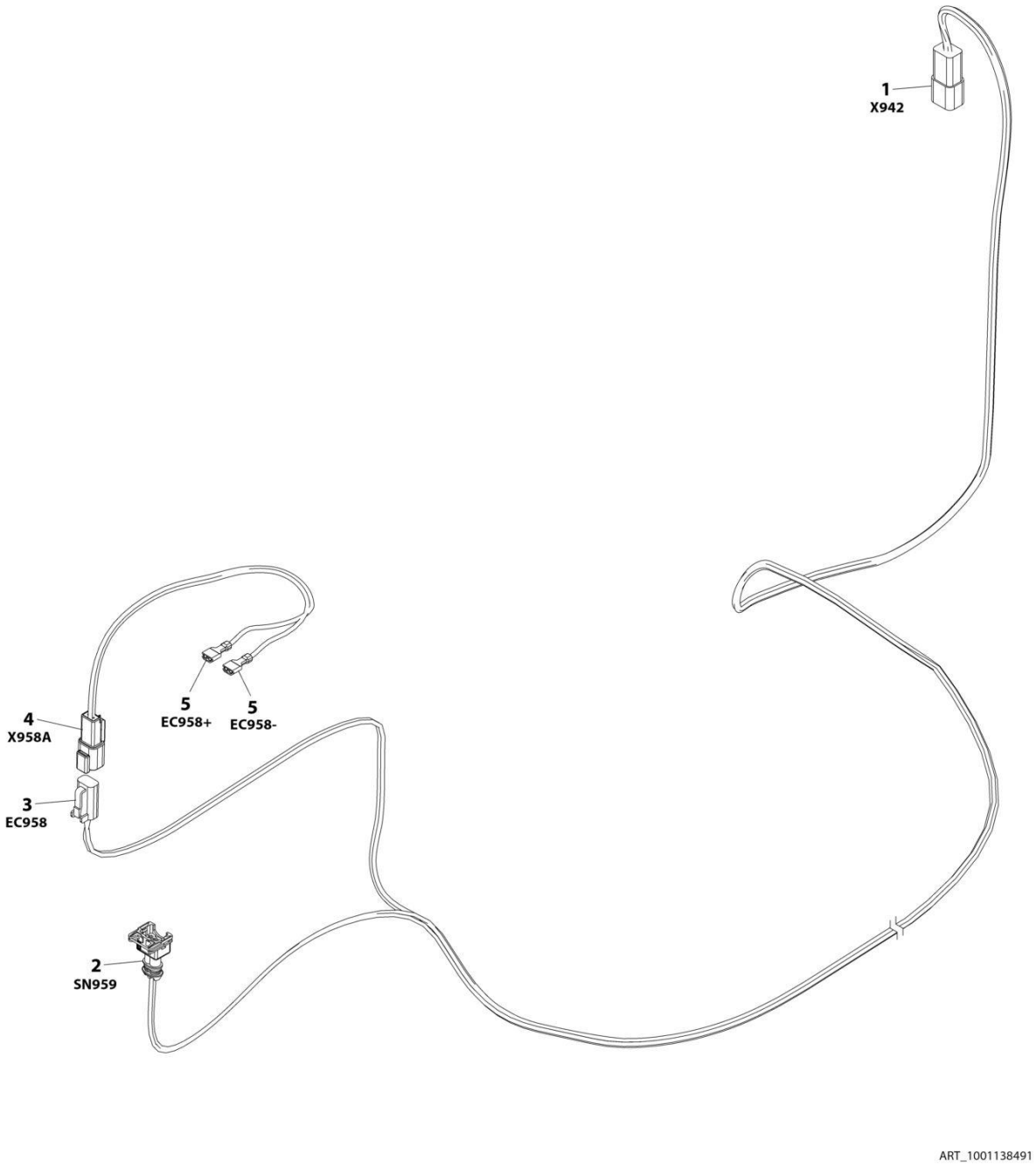


FIGURE 8-71. FUEL PUMP HARNESS - DEUTZ TD2.9L4 ENGINES

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 8-72. FUEL HARNESS - DEUTZ TD2.9L4 (STAGE V) ENGINE

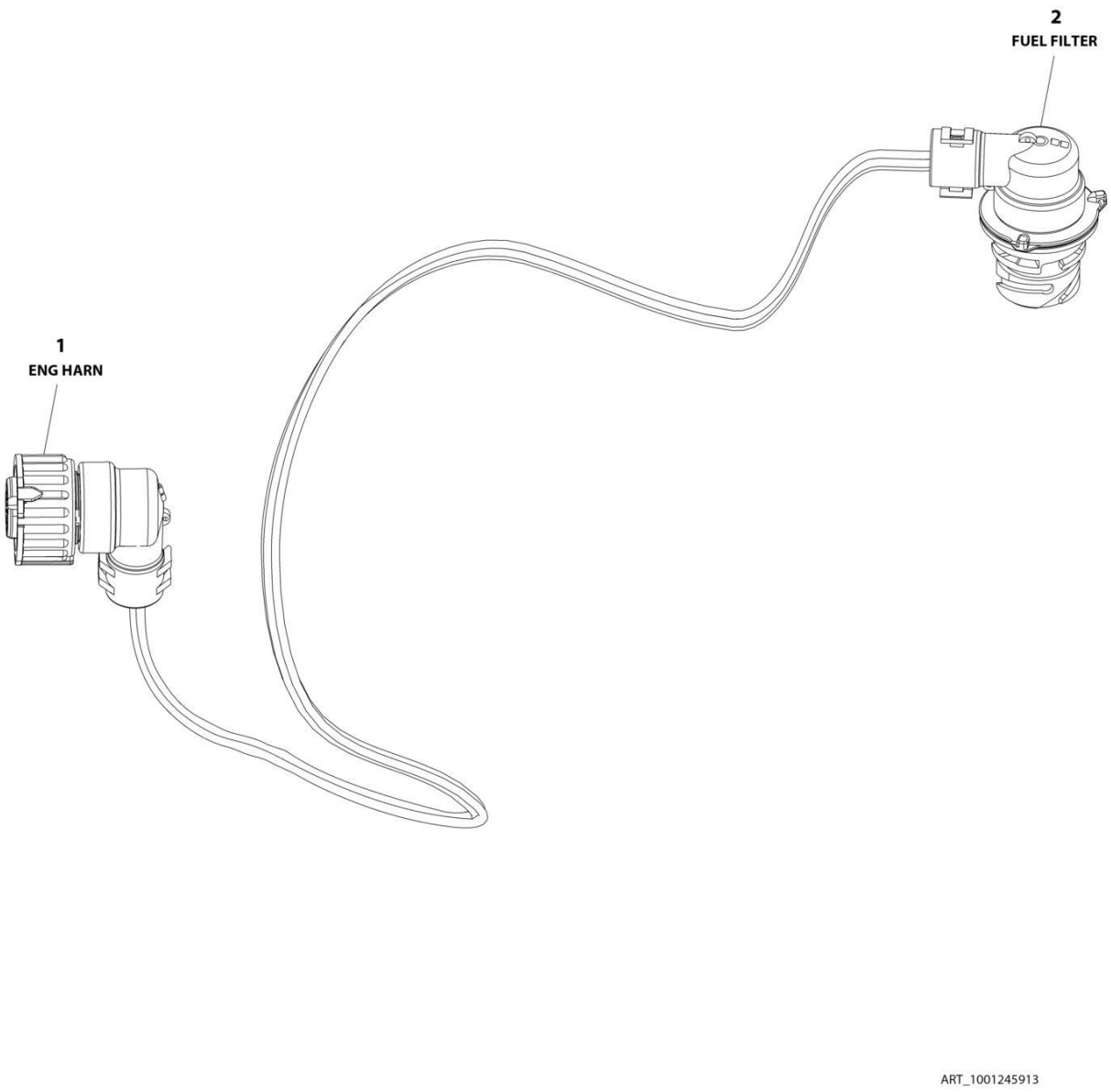


FIGURE 8-72. FUEL HARNESS - DEUTZ TD2.9L4 (STAGE V) ENGINE

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

FIGURE 8-73. GENERATOR TO ENGINE HARNESS - 2500W (FORD ENGINES)

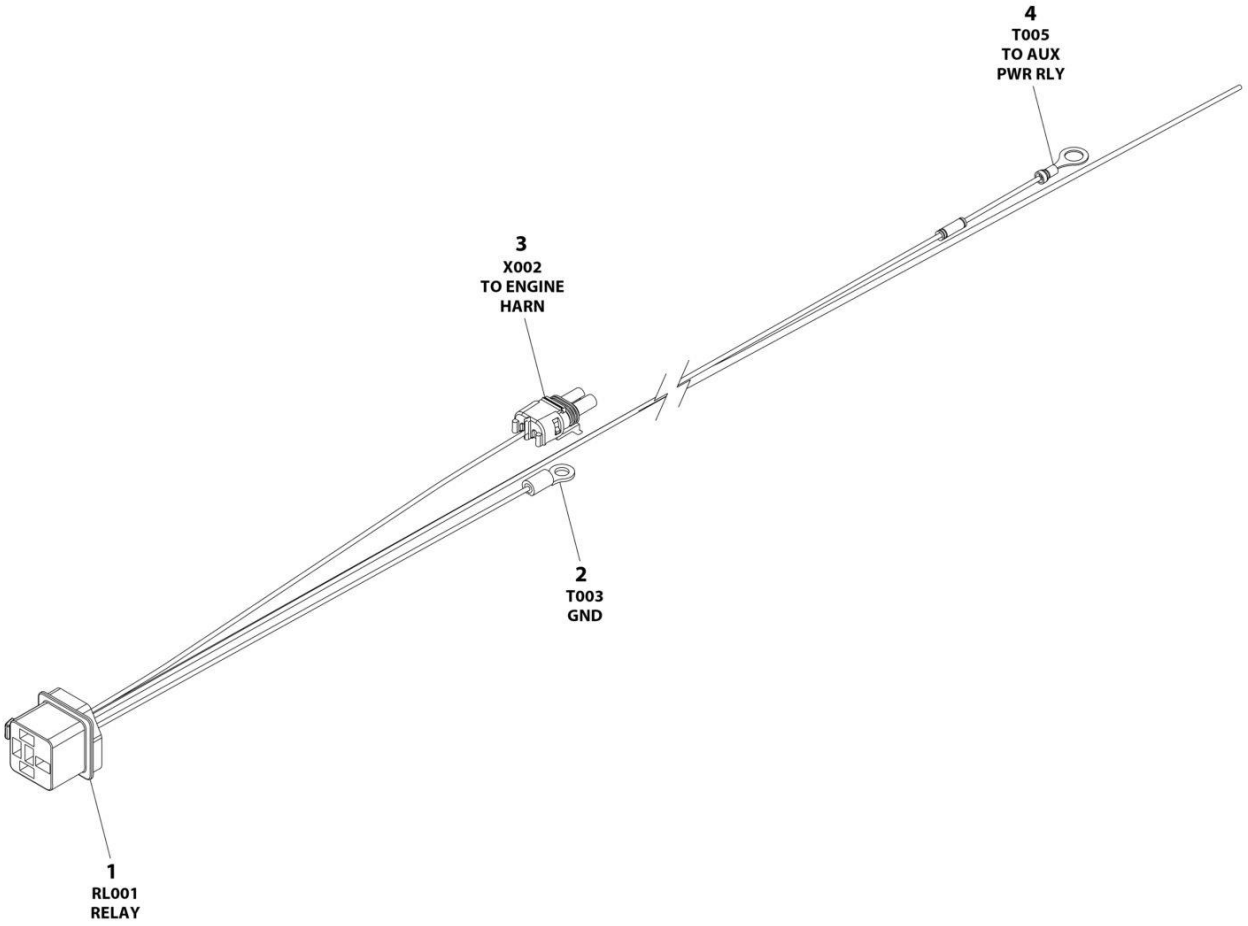


FIGURE 8-73. GENERATOR TO ENGINE HARNESS - 2500W (FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4923445	Ref	GENERATOR TO ENGINE HARNESS	B
1	4460374	1	Plug, Sealed Relay	
1	1001116734	2	Socket, Female	
1	1001116733	2	Socket, Female	
2	4460043	1	Terminal, Ring	
3	4460742	1	Plug, Male - 2 Position	
3	4460457	1	Socket, Female	
3	4460458	1	Seal, Terminal	
3	1001116727	1	Plug, Terminal	
4	4460670	1	Terminal, Ring	

FIGURE 8-74. GENERATOR TO ENGINE HARNESS - 4000W/50HZ (DEUTZ D2011 ENGINES)

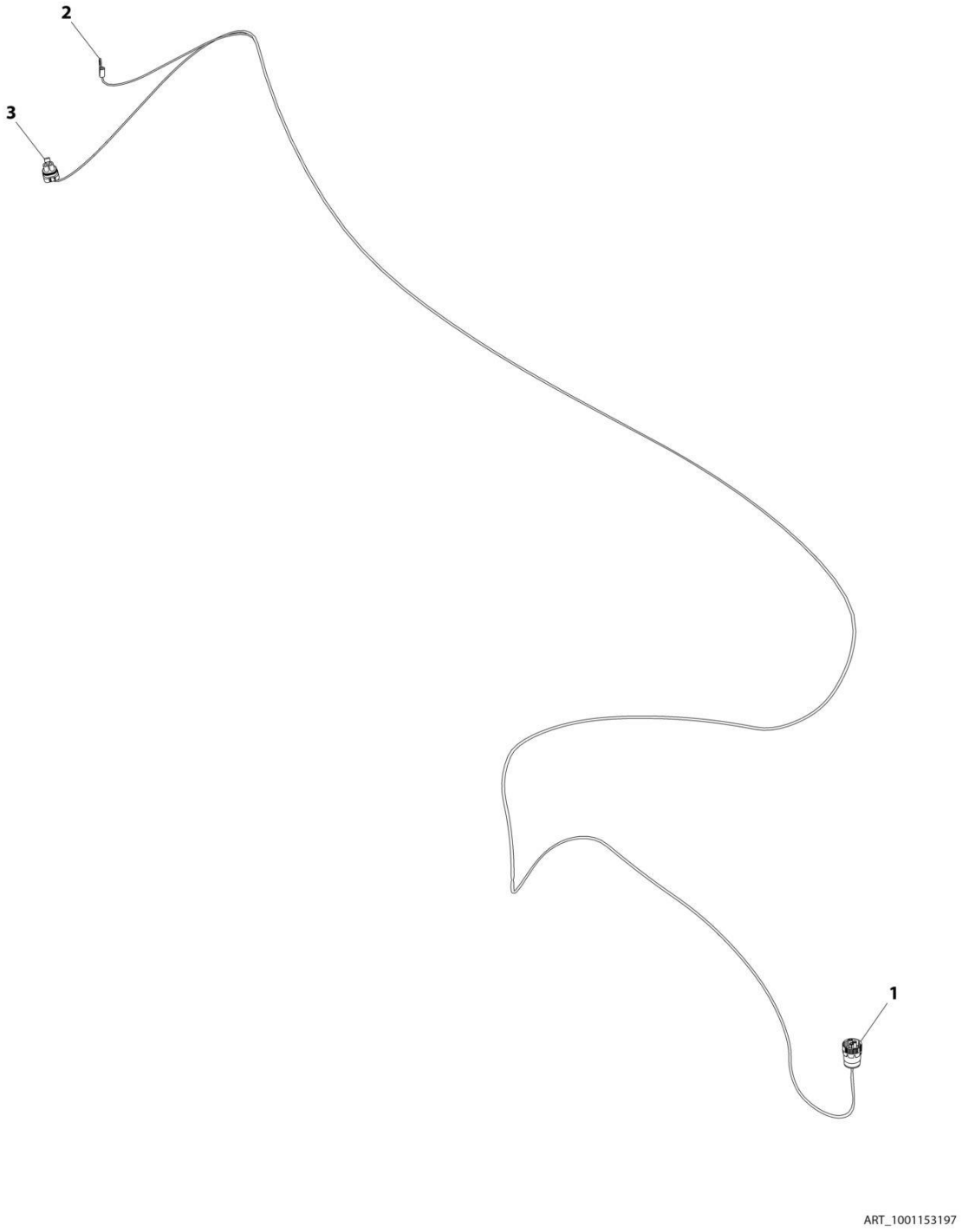


FIGURE 8-74. GENERATOR TO ENGINE HARNESS - 4000W/50HZ (DEUTZ D2011 ENGINES)

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 8-75. GENERATOR TO ENGINE HARNESS - 4000W/60HZ (DEUTZ ENGINES)

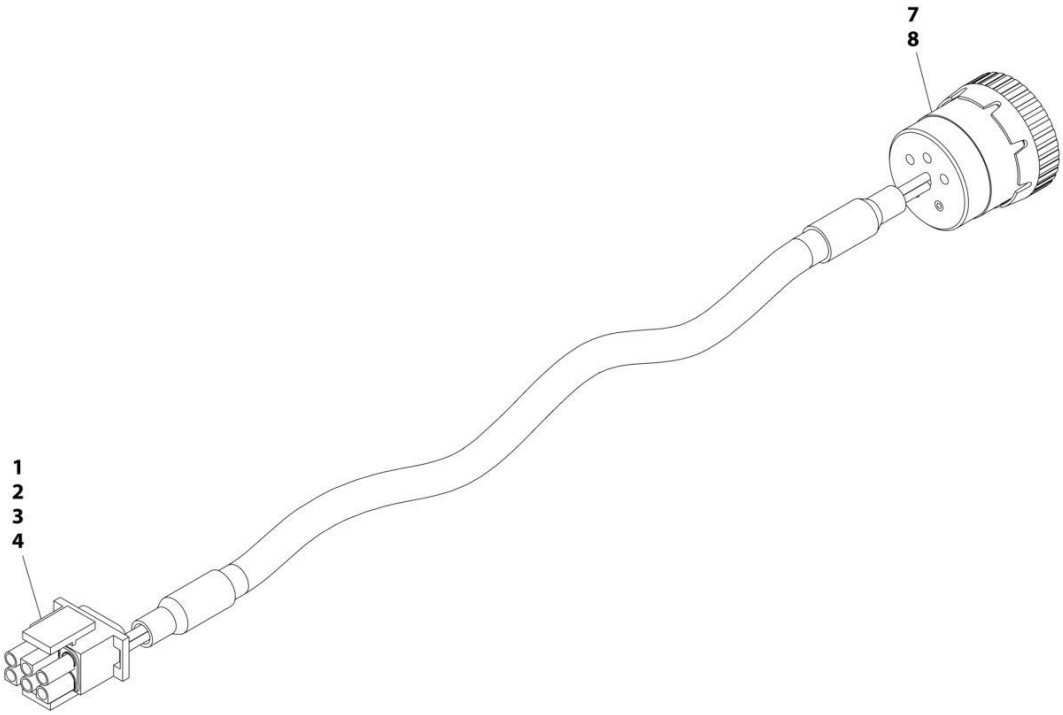


FIGURE 8-75. GENERATOR TO ENGINE HARNESS - 4000W/60HZ (DEUTZ ENGINES)

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

FIGURE 8-76. GENERATOR TO ENGINE HARNESS - 4000W/50HZ (DEUTZ TD2.9L4 ENGINES)

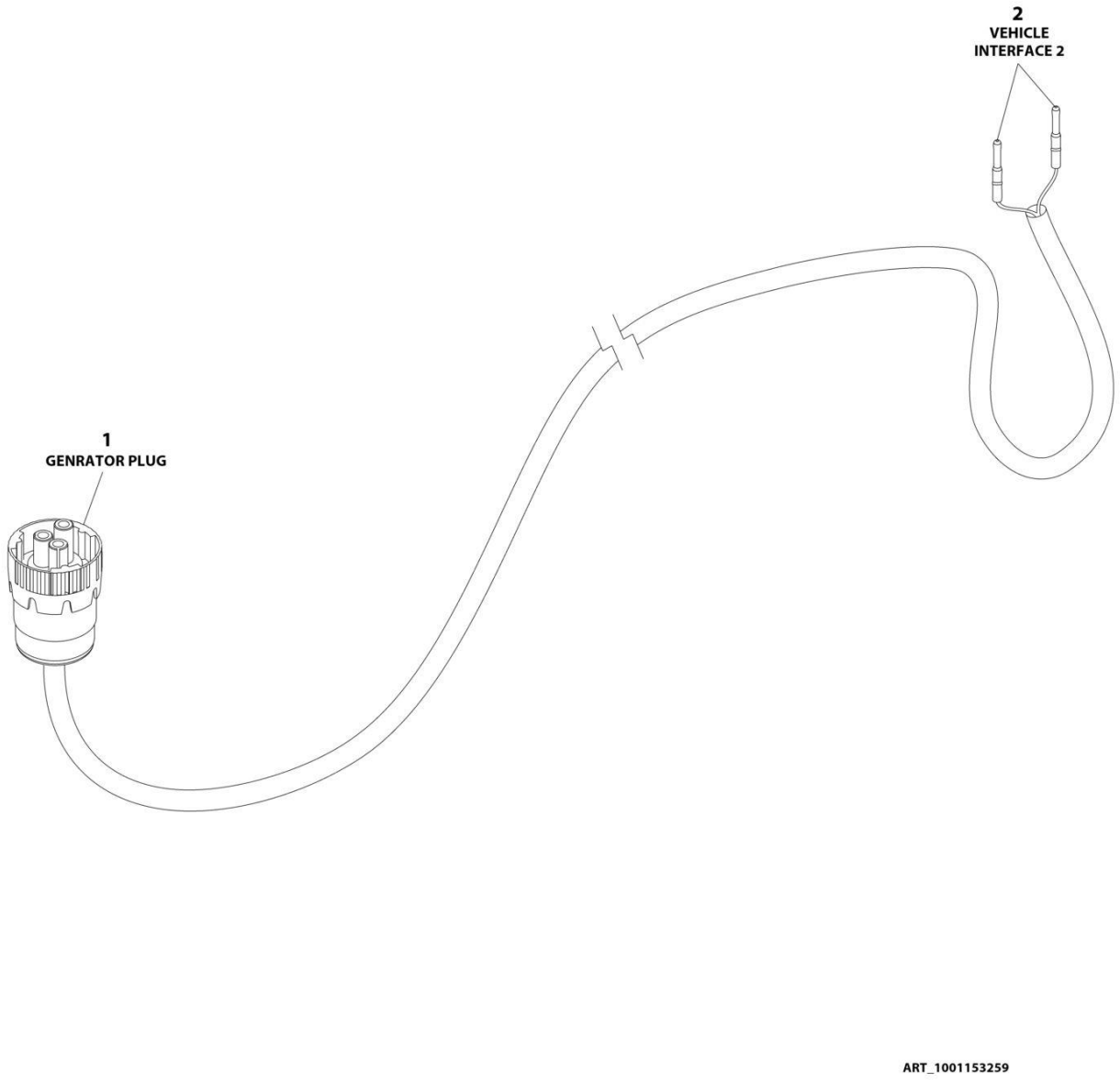


FIGURE 8-76. GENERATOR TO ENGINE HARNESS - 4000W/50HZ (DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153259	Ref	GENERATOR TO PLATFORM HARNESS (4000W-60HZ GENERATOR)	B
1	4460967	1	Connector - 3 Position	
1	4460465	2	Socket, Female	
2	4460465	2	Socket, Female	

FIGURE 8-77. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ENGINES)

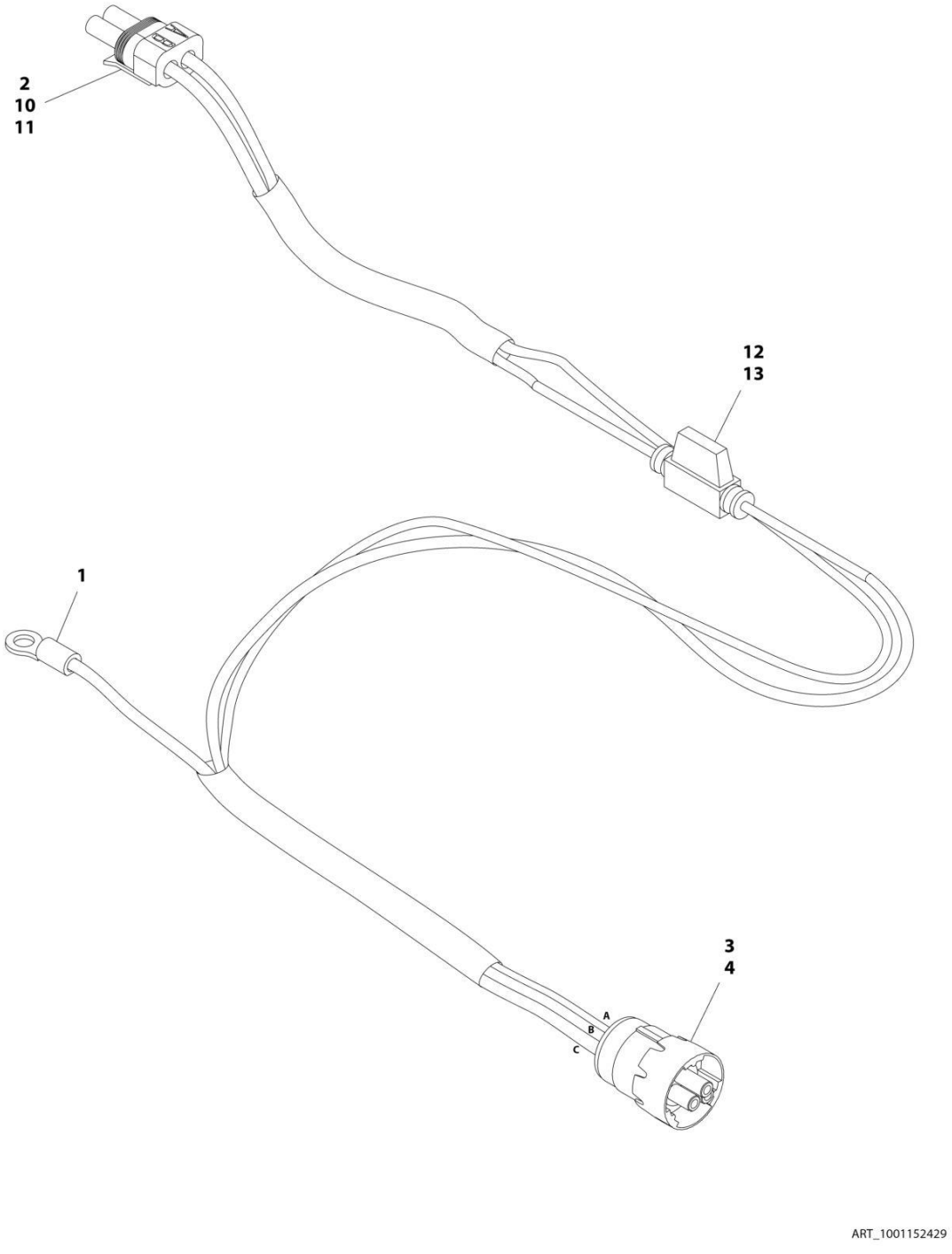


FIGURE 8-77. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ENGINES)

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 8-78. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER (DEUTZ TD2.9L4 T4F ENGINES)

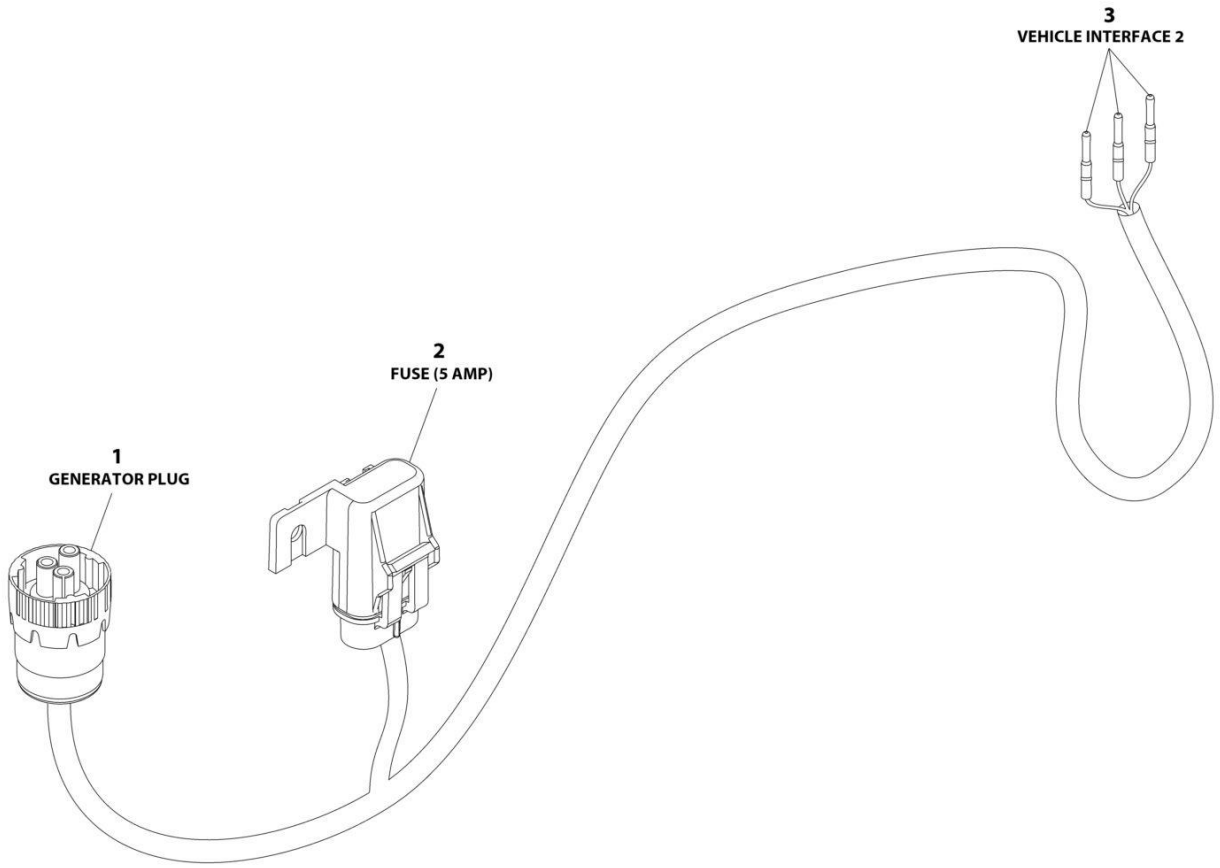


FIGURE 8-78. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER (DEUTZ TD2.9L4 T4F ENGINES)

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 8-79. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER (FORD DF 2.5L ENGINES)

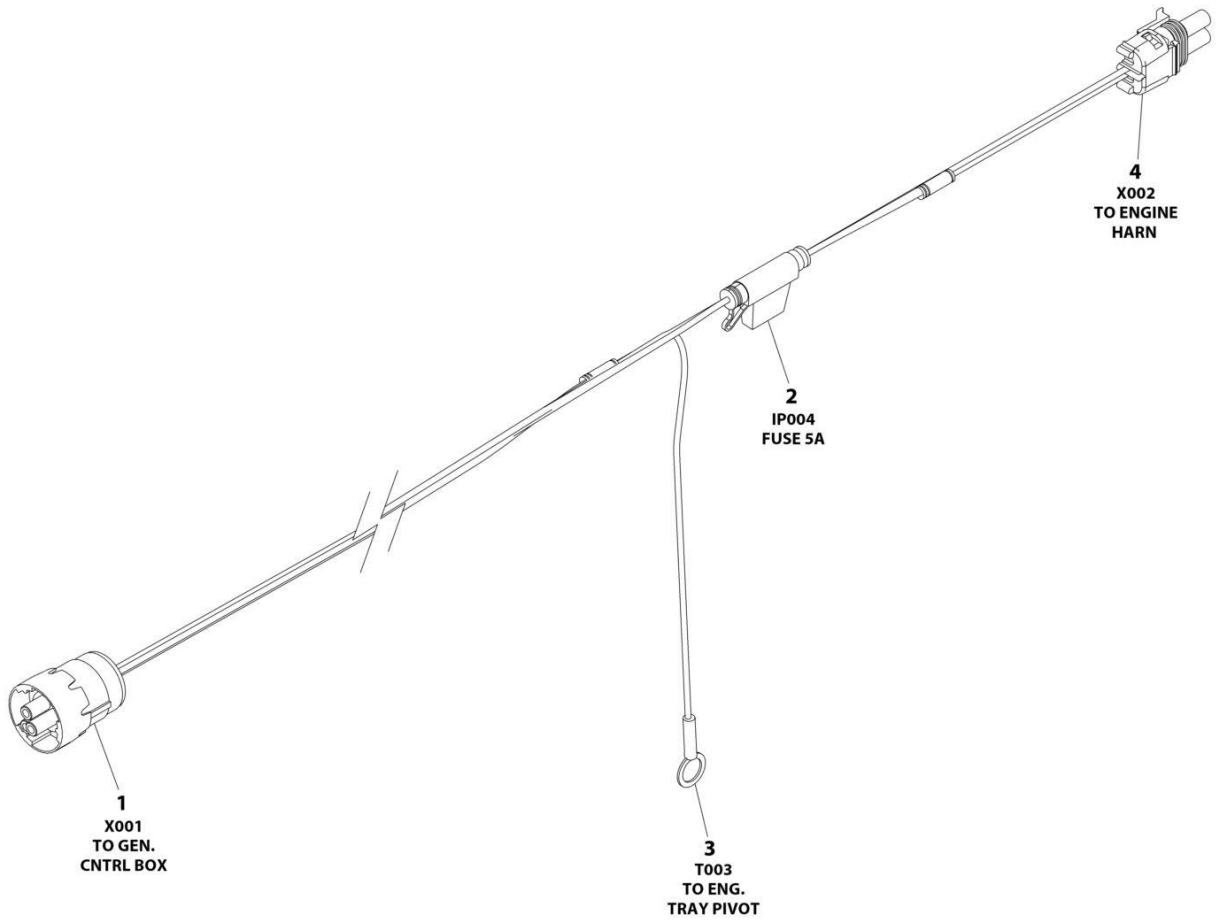


FIGURE 8-79. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER (FORD DF 2.5L ENGINES)

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 8-80. GENERATOR TO REAR OF BOOM HARNESS - 110V

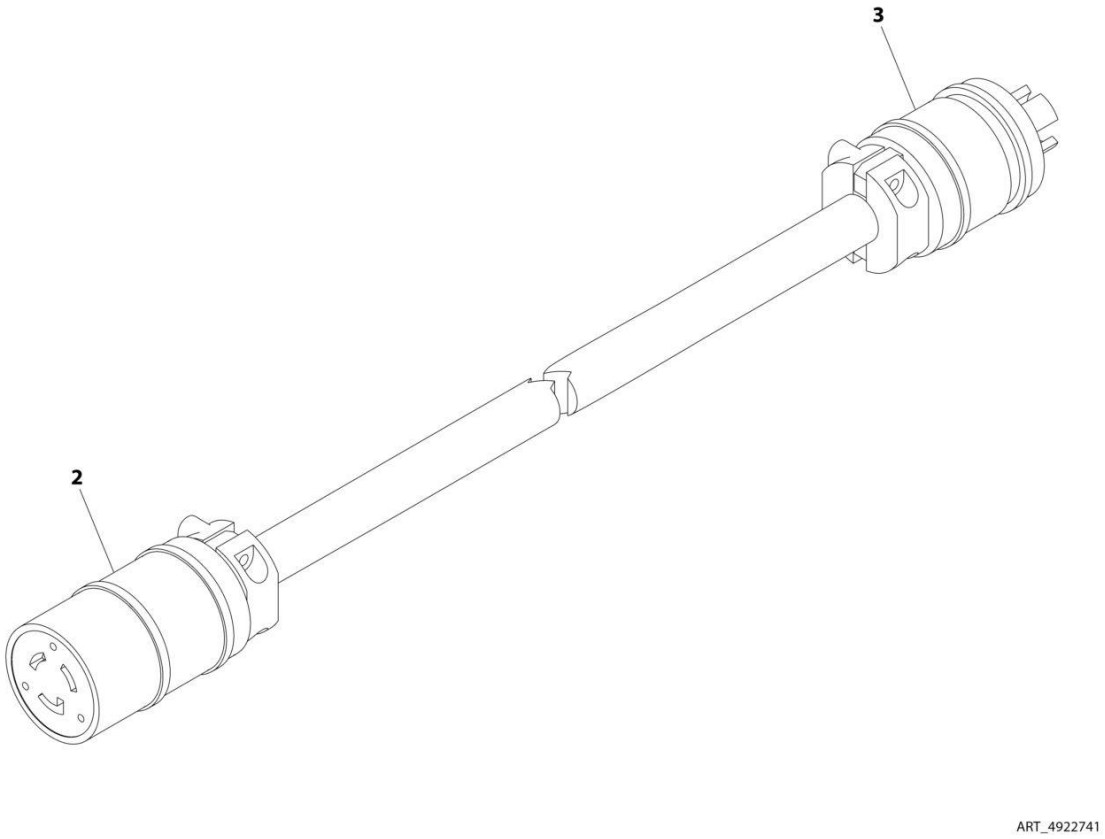


FIGURE 8-80. GENERATOR TO REAR OF BOOM HARNESS - 110V

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922741	Ref	GENERATOR TO REAR OF BOOM HARNESS - 110V	A
2	4460134	1	Connector, Female	
3	4460205	1	Plug, Male	

FIGURE 8-81. GENERATOR TO REAR OF BOOM HARNESS - 220V

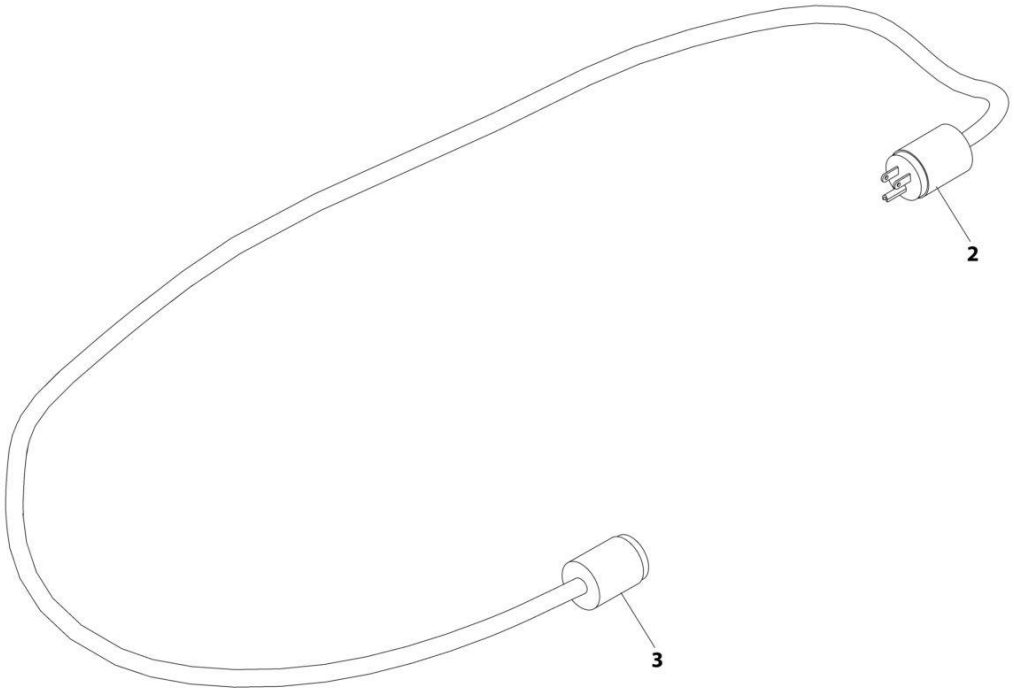


FIGURE 8-81. GENERATOR TO REAR OF BOOM HARNESS - 220V

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4921955	Ref	GENERATOR TO REAR OF BOOM HARNESS - 220V	A
2	4460233	1	Terminal, Plug	
3	4460701	1	Terminal, Connector	

FIGURE 8-82. GROUND CONTROL BOX HARNESS (Prior to SN B300017904, Prior to SN 0300298220, Excluding 0300295807)

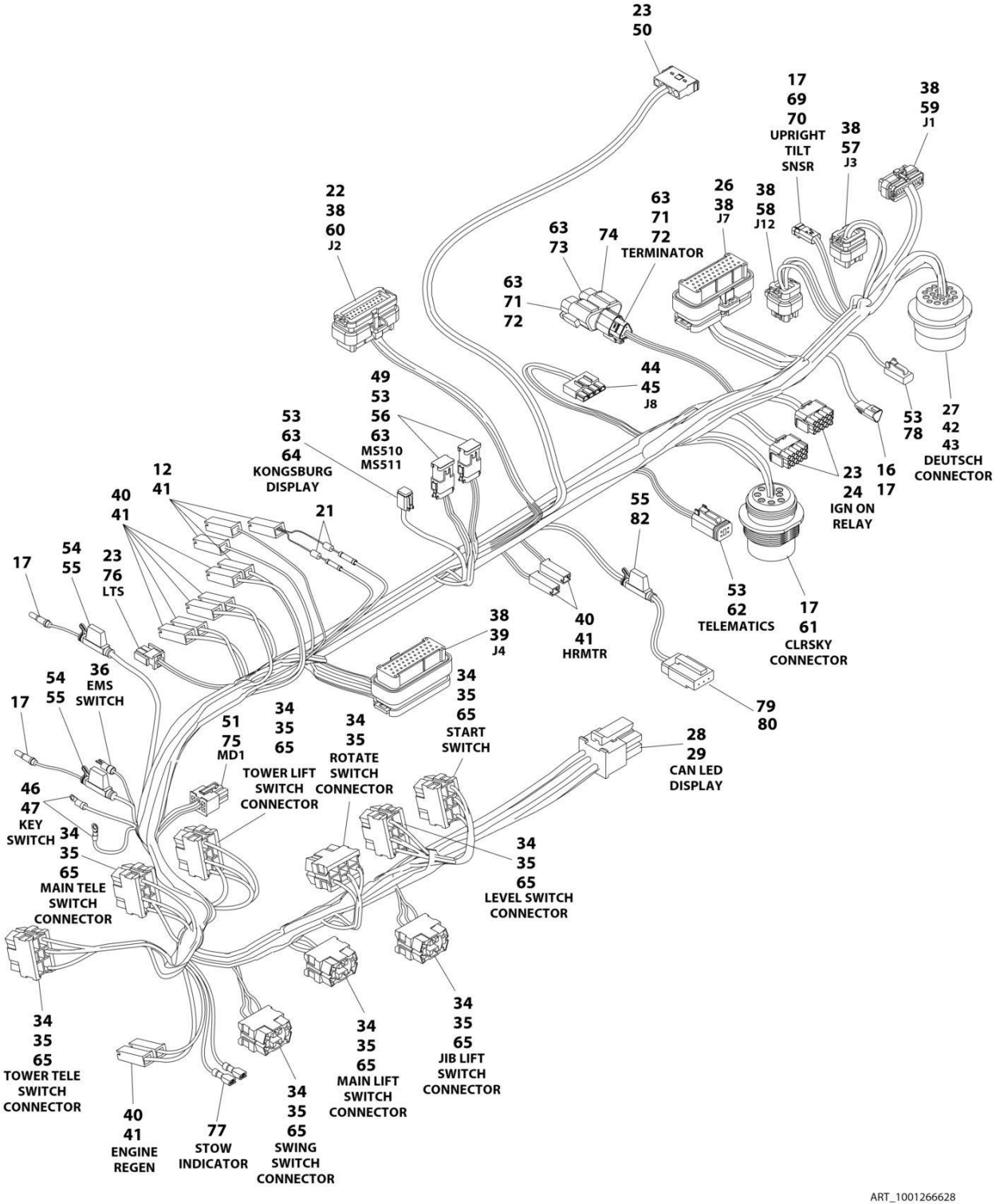


FIGURE 8-82. GROUND CONTROL BOX HARNESS (Prior to SN B300017904, Prior to SN 0300298220, Excluding 0300295807)

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	

SECTION 8 - ELECTRICAL

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 8-83. GROUND CONTROL BOX HARNESS (SN B00017904 to Present, SN 0300298220 to Present, Including 0300295807)

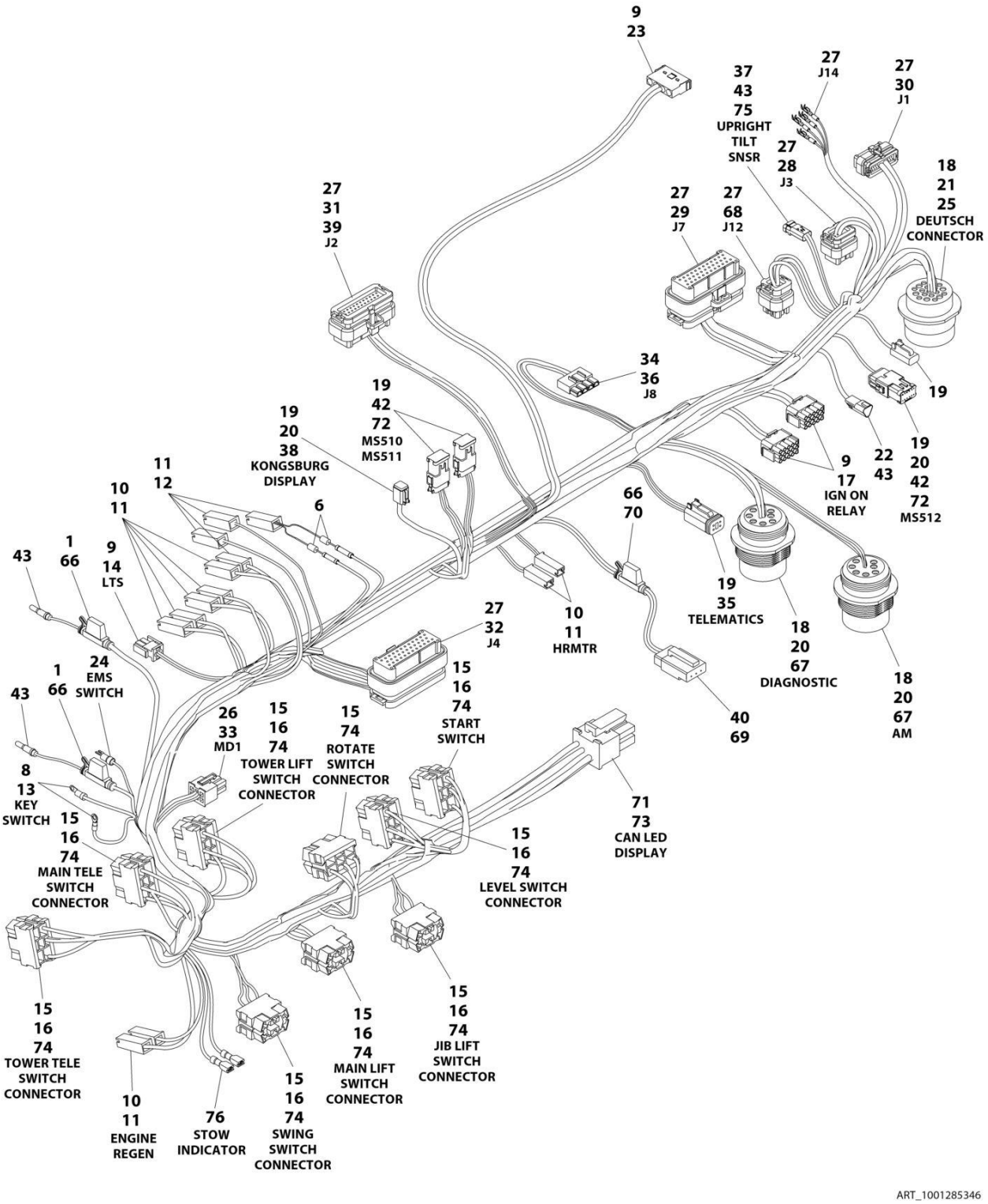


FIGURE 8-83. GROUND CONTROL BOX HARNESS (SN B00017904 to Present, SN 0300298220 to Present, Including 0300295807)

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 8-84. HOLDING VALVE/LIFT DUMP HARNESS ASSEMBLY (WITHOUT ARCTIC PACKAGE)

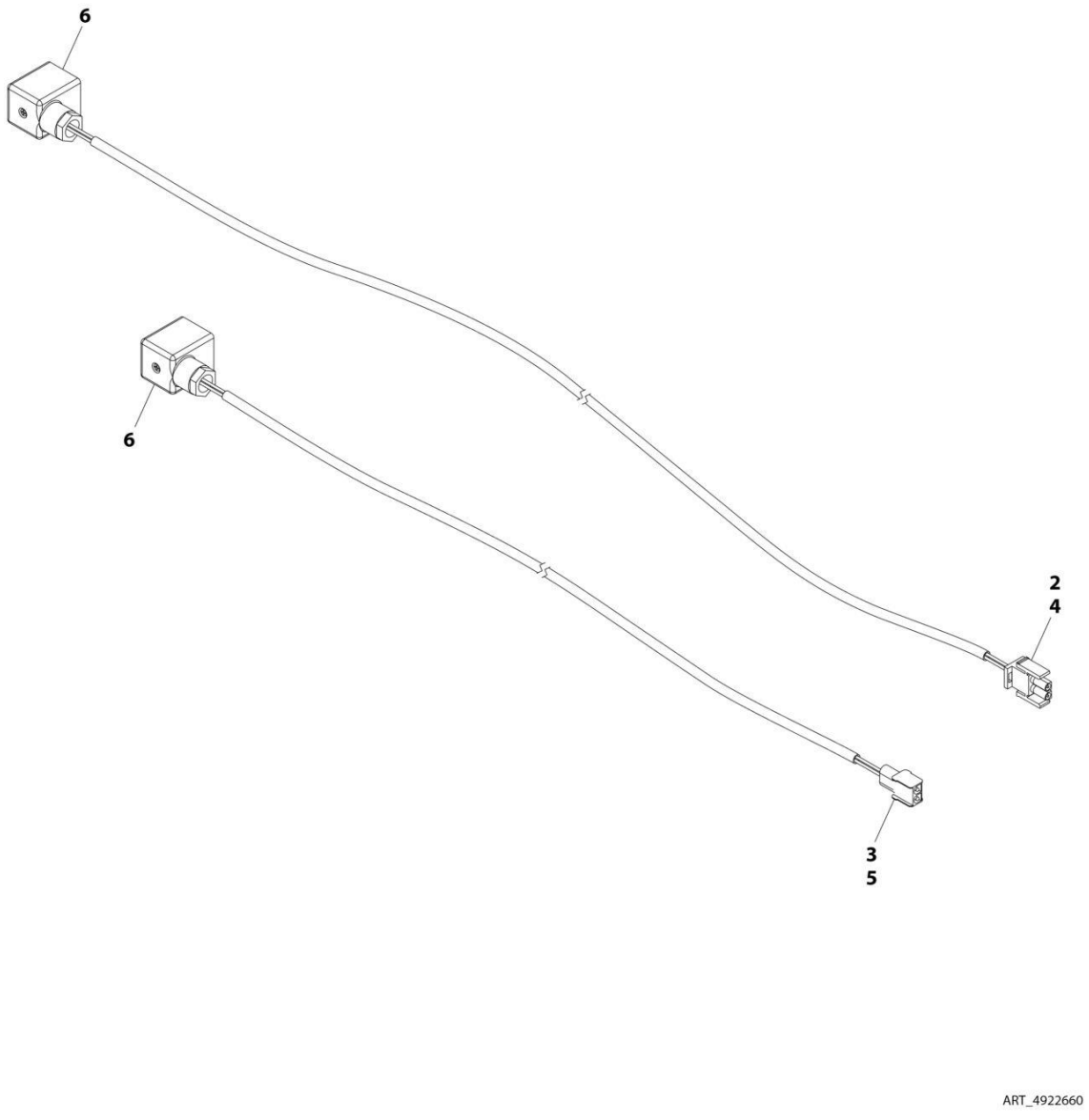


FIGURE 8-84. HOLDING VALVE/LIFT DUMP HARNESS ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922660	Ref	HOLDING VALVE/LIFT DUMP HARNESS ASSEMBLY	E
2	4460226	2	Socket, Female	
3	4460267	2	Pin, Male	
4	4460320	1	Connector - 2 Position	
5	4460424	1	Connector - 2 Position	
6	4460880	2	Connector, Din	

FIGURE 8-85. HOLDING VALVE/LIFT DUMP HARNESS ASSEMBLY (WITH ARCTIC PACKAGE)

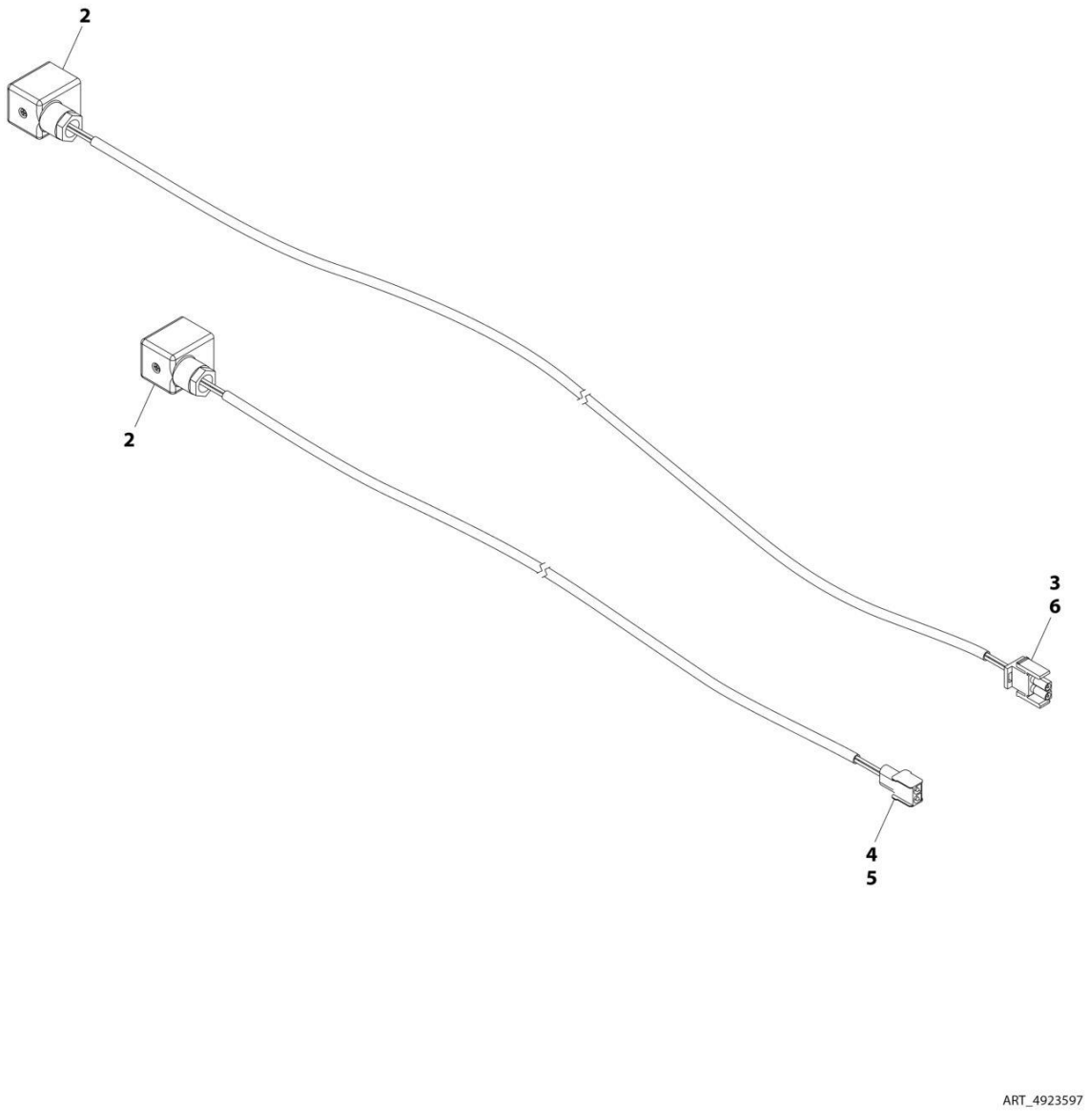


FIGURE 8-85. HOLDING VALVE/LIFT DUMP HARNESS ASSEMBLY (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4923597	Ref	HOLDING VALVE/LIFT DUMP HARNESS ASSEMBLY	1
2	4460880	2	Connector, Din	
3	4460320	1	Connector - 2 Position	
4	4460424	1	Connector - 2 Position	
5	4460267	2	Pin, Male	
6	4460226	2	Socket, Female	

FIGURE 8-86. PLATFORM CONSOLE BOX HARNESS

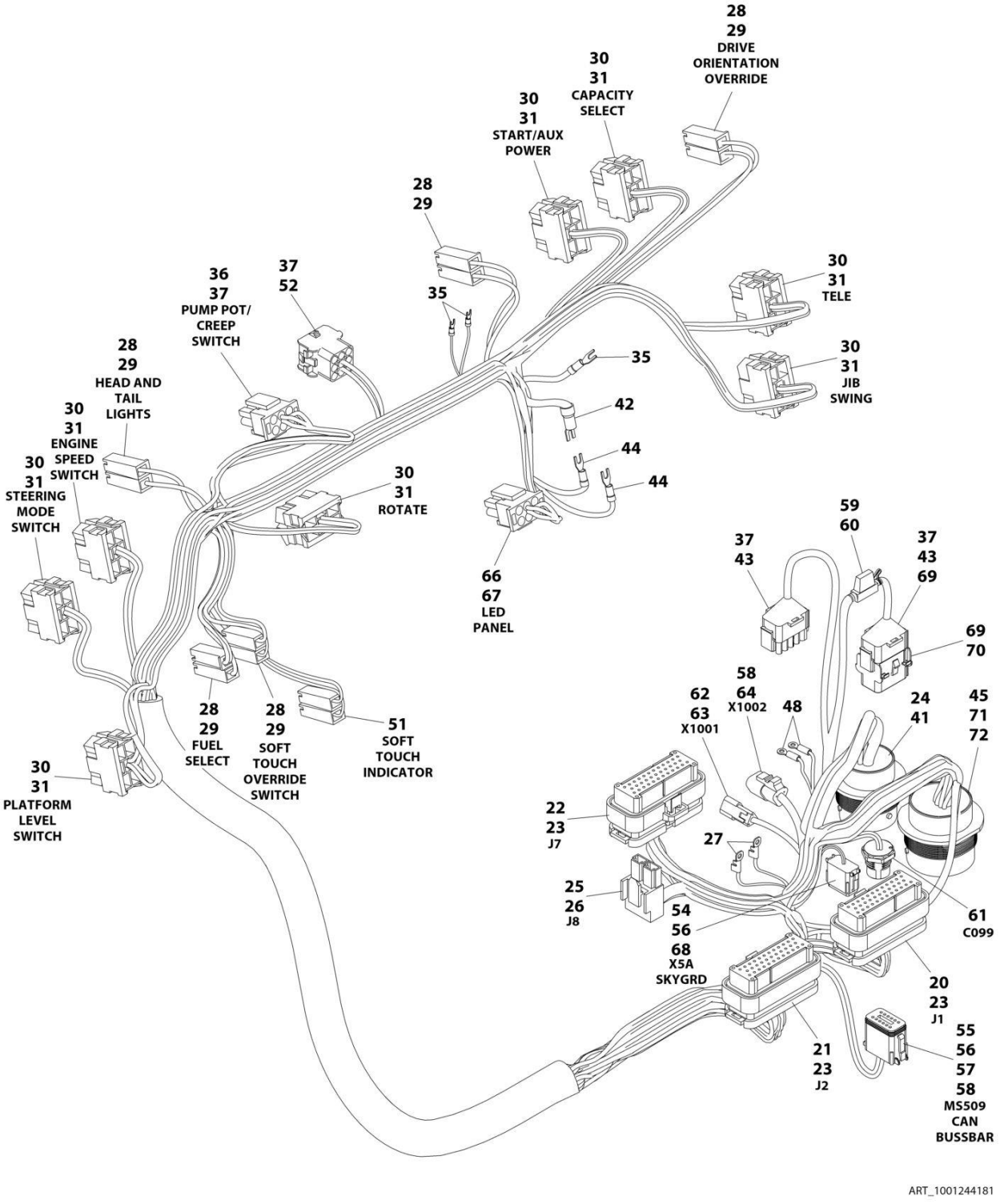


FIGURE 8-86. PLATFORM CONSOLE BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244181	1	PLATFORM CONSOLE BOX HARNESS	I
20	4460874	1	Connector - 35 Position (Natural)	
21	4460876	1	Connector - 35 Position (Blue)	
22	4460873	1	Connector - 35 Position (Black)	
23	4460871	70	Socket, Female	
24	4460464	7	Pin, Male Deutsch 16 Ga	
25	4460879	1	Connector - 2 Position	
26	4460887	2	Terminal	
27	1001098122	2	Terminal Eyelet	
28	4460260	10	Terminal, Housing	
29	4460259	10	Terminal	
30	4460418	8	Connector, Female - 6 Position	
31	4460419	24	Socket, Female	
32	4460905	AR	Plug (Not Shown)	
35	4460888	3	Terminal, Fork	
36	4460225	1	Connector - 6 Position	
37	4460227	26	Pin, Male	
41	4460508	5	Pin, Male Deutsch 12 Ga	
42	4460806	1	Terminal, Fork	
43	4460434	2	Connector - 15 Position	
44	4460183	10	Terminal, Fork	
45	4460925	1	Connector - 21 Pin	
48	4460142	2	Terminal, Eyelet	
51	4460016	2	Terminal	
51	1001293138	2	Terminal	
52	4460266	1	Connector - 9 Position	
54	4460894	1	Connector - 6 Position	
55	4460933	1	Connector, Gray - 12 Position	
56	4460466	AR	Plug	
57	1001119020	1	Bussbar - 12 Position	
58	4460944	13	Socket, Female (Gold)	
59	2400060	1	Fuse, Holder	
60	8229249	1	Fuse, 3 Amp	
61	1001213447	1	Connector - 5 Position	
62	4460536	1	Connector - 3 Position	
63	4460943	6	Pin, Male (Gold)	
64	4460539	1	Plug, Male - 3 Position	
66	1001237667	1	Plug, Male - 6 Position	
67	1001237668	4	Socket, Female	
68	4460465	5	Socket, Female	
69	4460708	2	Connector - 15 Position	
70	4460226	2	Socket, Female	
71	1001126011	14	Pin, Male Deutsch 16 Ga	
72	4460518	7	Plug, Terminal	

FIGURE 8-87. RECEPTACLE BOX KIT - 110V IEC YELLOW WITHOUT 2500W GENERATOR (CE & UK CA SPECS)

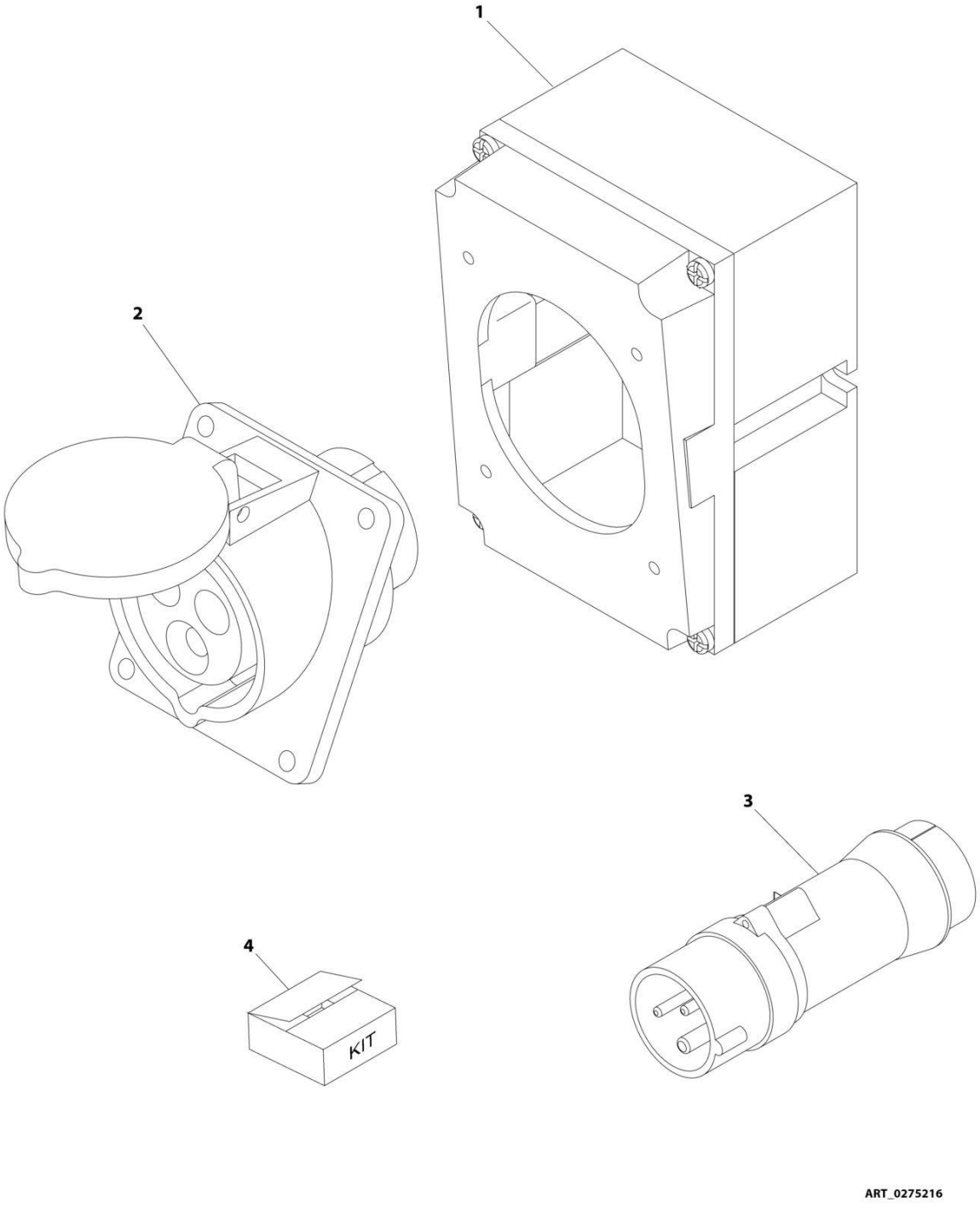


FIGURE 8-87. RECEPTACLE BOX KIT - 110V IEC YELLOW WITHOUT 2500W GENERATOR (CE & UK CA SPECS)

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 8-88. RECEPTACLE BOX KIT - 110V IEC YELLOW WITH 2500W GENERATOR (CE & UK CA SPECS)

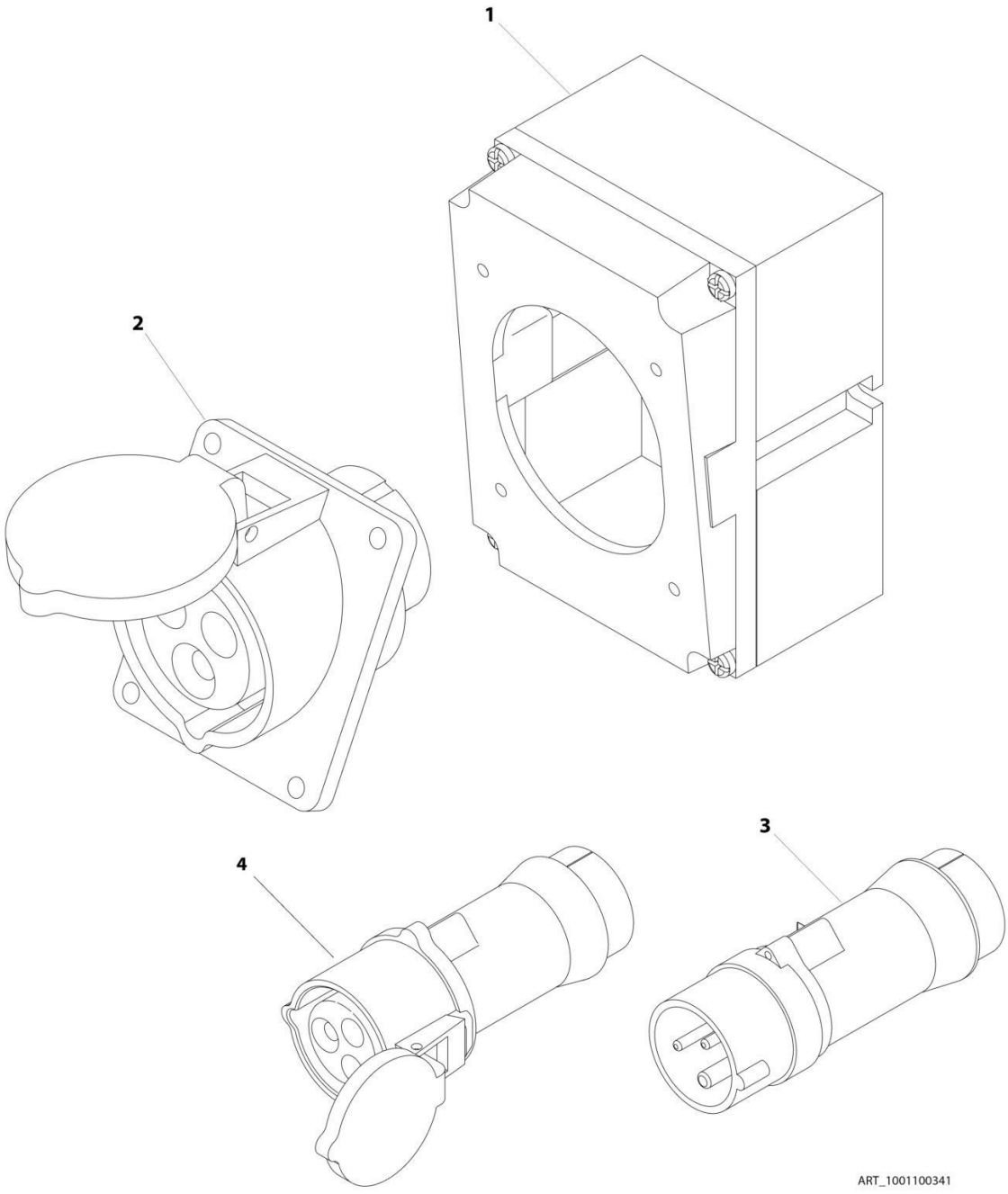


FIGURE 8-88. RECEPTACLE BOX KIT - 110V IEC YELLOW WITH 2500W GENERATOR (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100341	Ref	RECEPTACLE BOX KIT - 110V IEC YELLOW	2
1	0861781	1	Box, Switch	
2	4461198	1	Receptacle	
3	4461196	1	Plug, Male	
4	4461197	1	Plug, Female	

FIGURE 8-89. RECEPTACLE BOX KIT - 220V IEC BLUE WITHOUT 2500W GENERATOR (CE & UK CA SPECS)

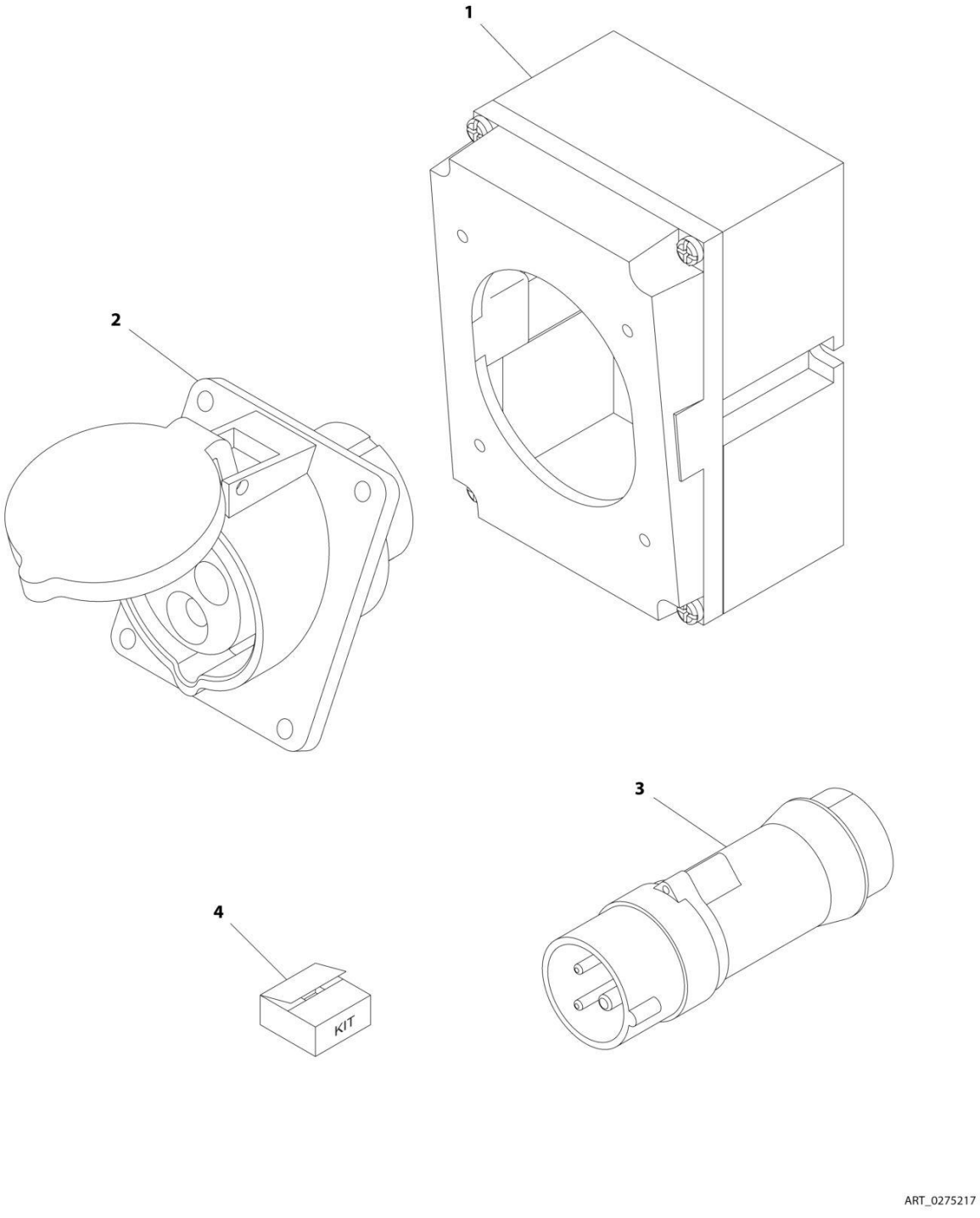


FIGURE 8-89. RECEPTACLE BOX KIT - 220V IEC BLUE WITHOUT 2500W GENERATOR (CE & UK CA SPECS)

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 8-90. RECEPTACLE BOX KIT - 220V IEC BLUE WITH 2500W GENERATOR (CE & UK CA SPECS)

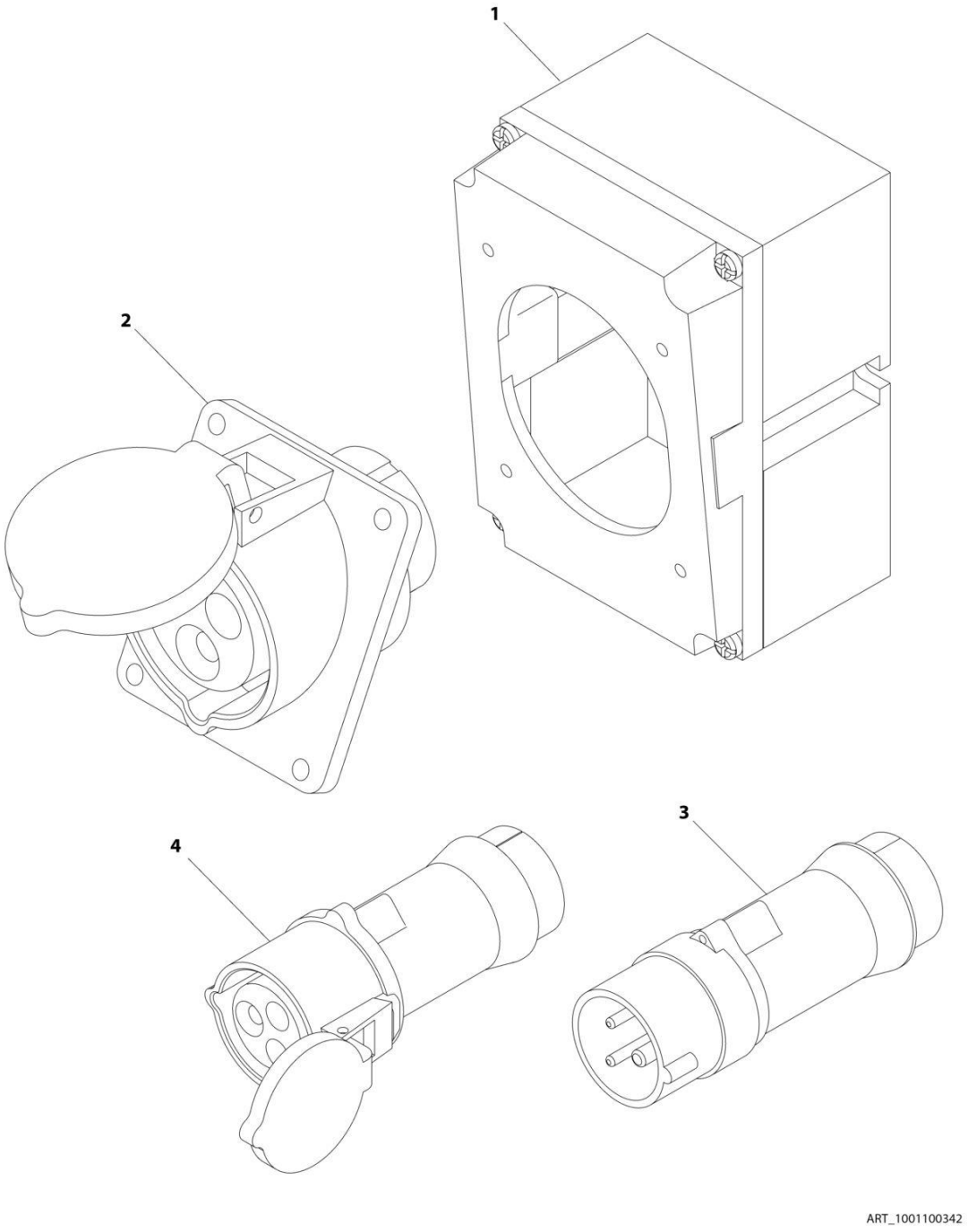


FIGURE 8-90. RECEPTACLE BOX KIT - 220V IEC BLUE WITH 2500W GENERATOR (CE & UK CA SPECS)

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 8-91. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE & UK CA SPEC) (WITH 2500W GENERATOR OR NO GENERATOR OPTION)

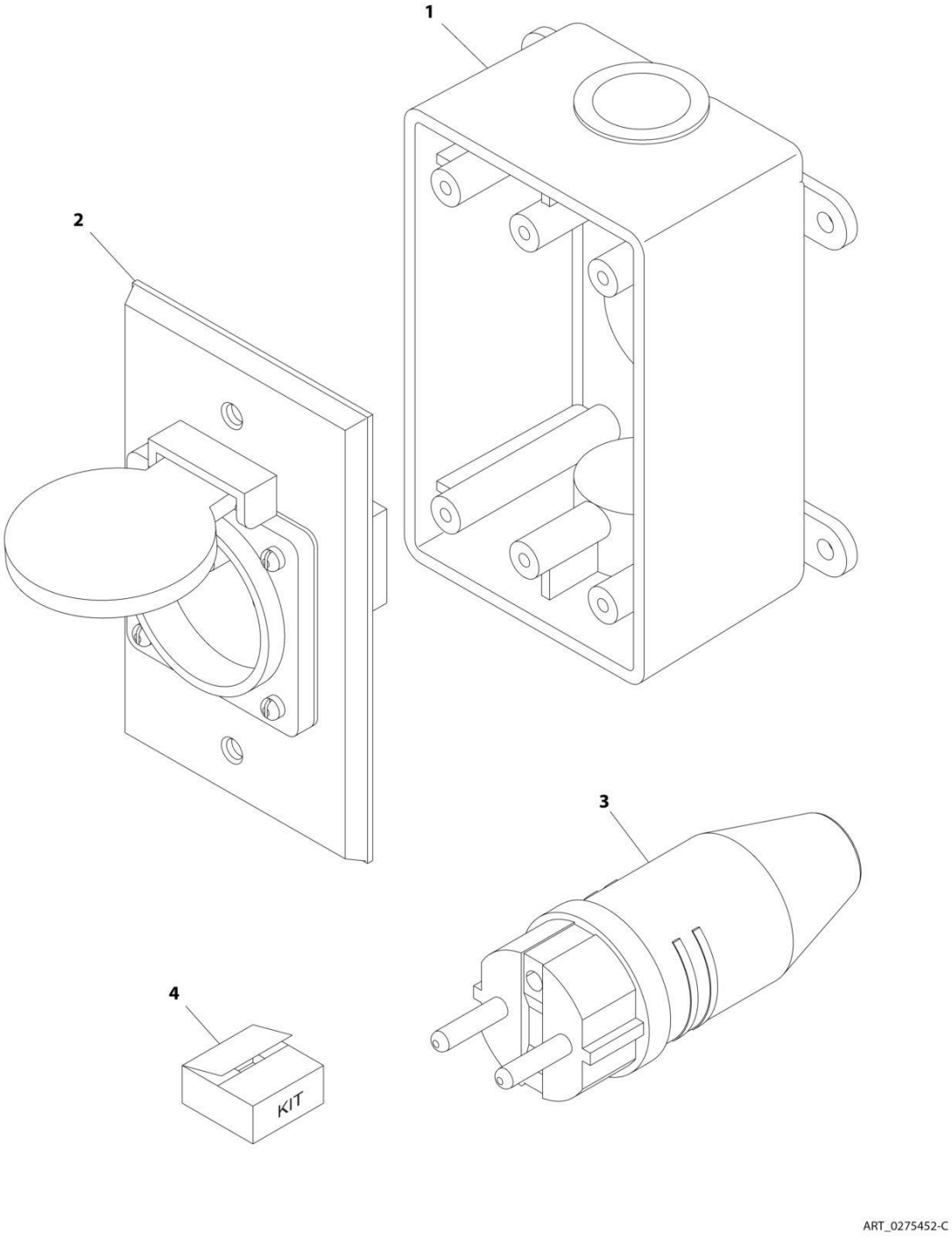


FIGURE 8-91. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE & UK CA SPEC) (WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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

FIGURE 8-92. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE & UK CA SPEC) (WITH 2500W GENERATOR)

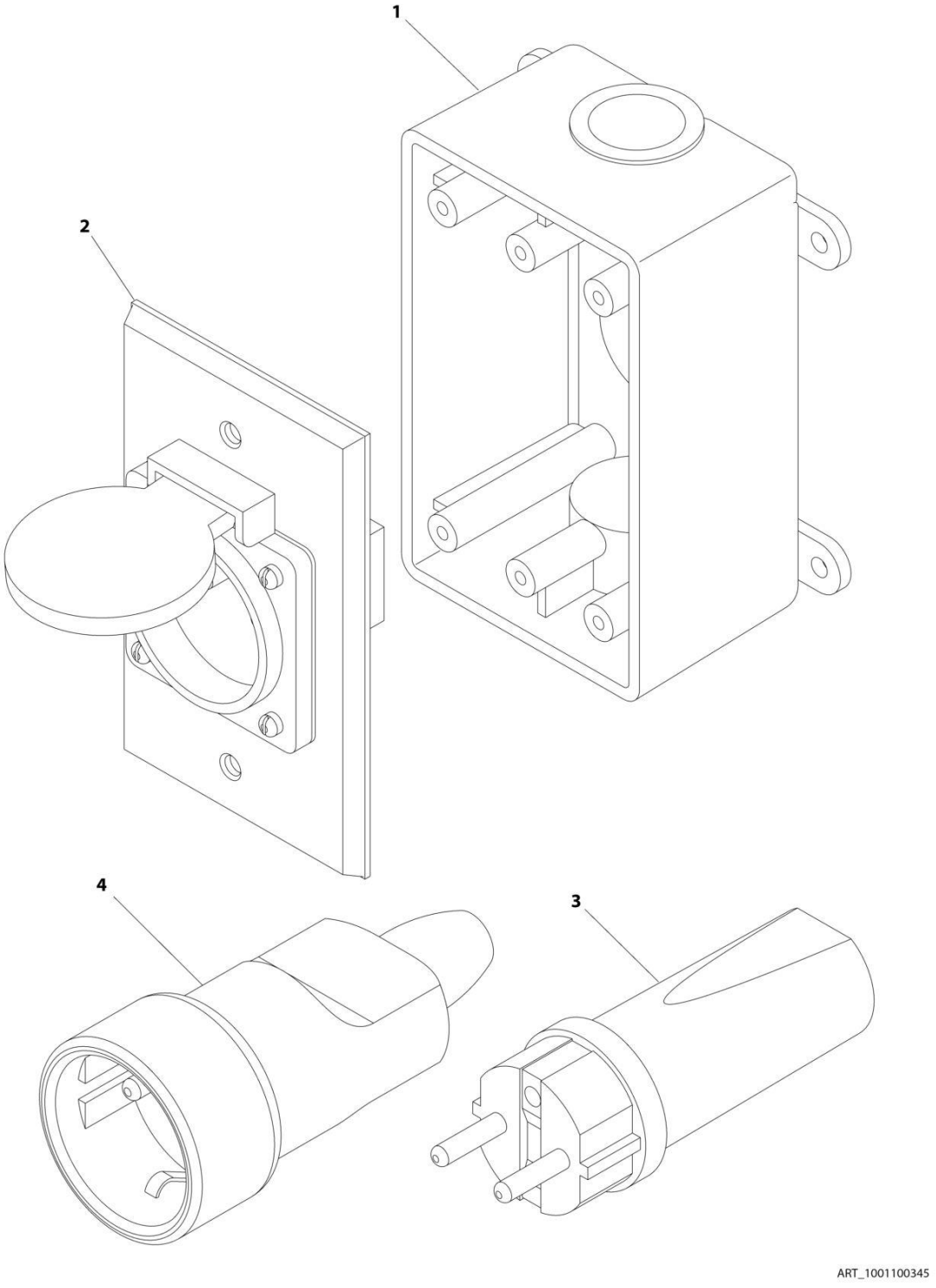


FIGURE 8-92. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE & UK CA SPEC) (WITH 2500W GENERATOR)

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 8-93. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2X4 BOX (CE & UK CA SPEC) (WITH 2500W GENERATOR OR NO GENERATOR OPTION)

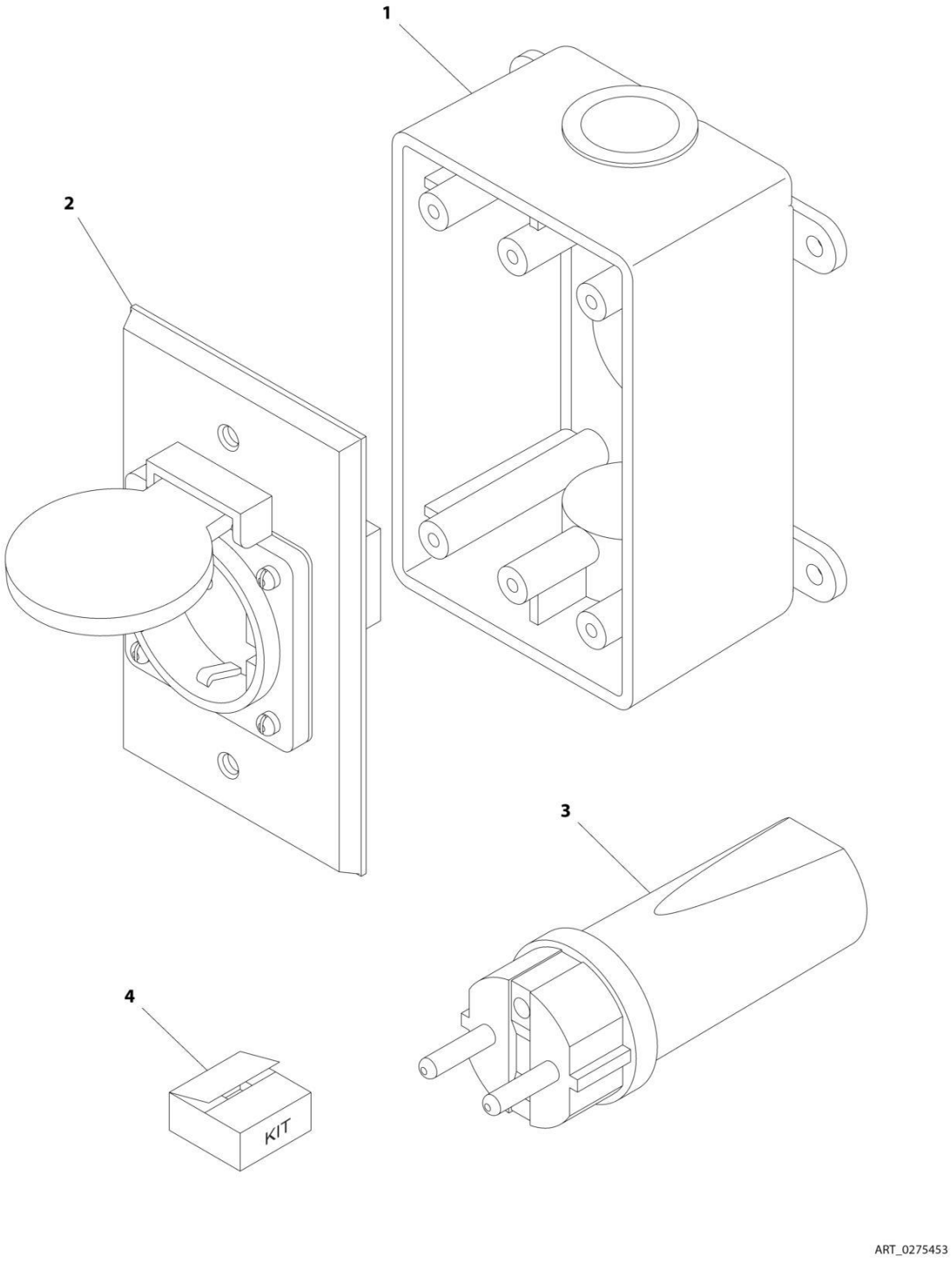


FIGURE 8-93. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2X4 BOX (CE & UK CA SPEC) (WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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 8-94. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2X4 BOX (CE & UK CA SPEC) (WITH 2500W GENERATOR)

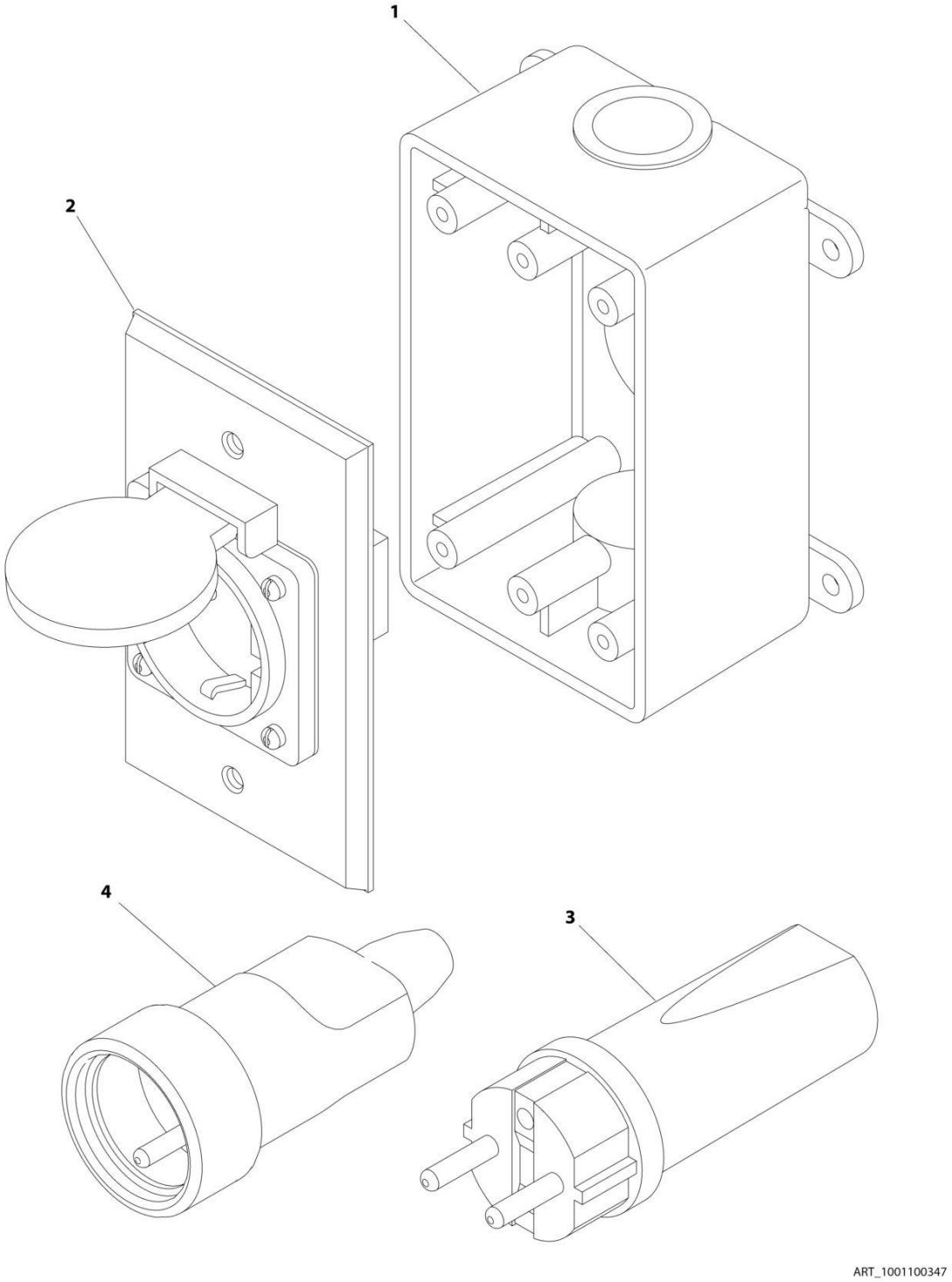


FIGURE 8-94. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2X4 BOX (CE & UK CA SPEC) (WITH 2500W GENERATOR)

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 8-95. RECEPTACLE BOX KIT - 220V AFSINT107 KEYED GROUND (CE & UK CA SPECS) (WITH 2500W GENERATOR OR NO GENERATOR OPTION)

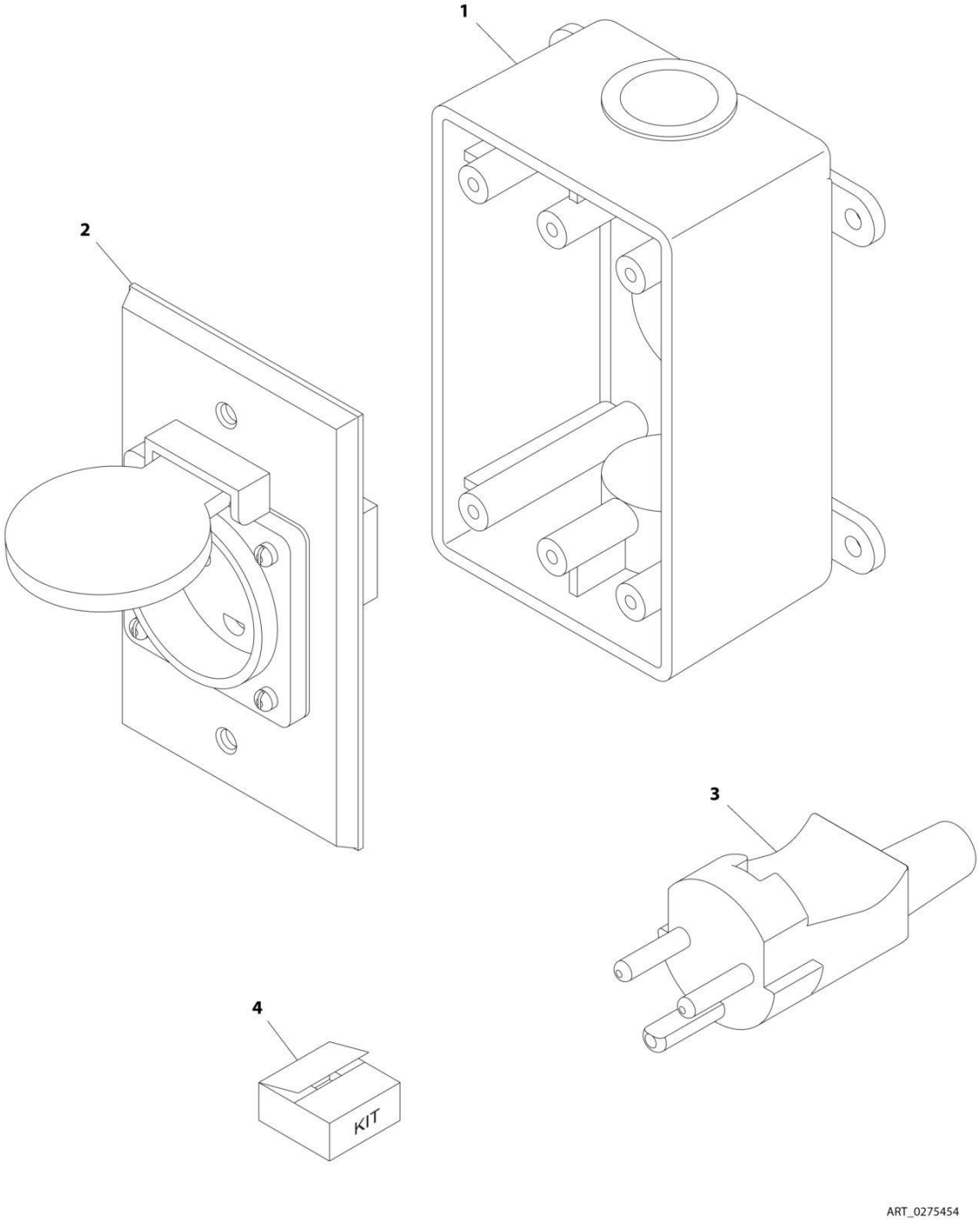


FIGURE 8-95. RECEPTACLE BOX KIT - 220V AFSINT107 KEYED GROUND (CE & UK CA SPECS) (WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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 8-96. RECEPTACLE BOX KIT - 220V AFSINT107 KEYED GROUND (CE & UK CA SPECS) (WITH 2500W GENERATOR)

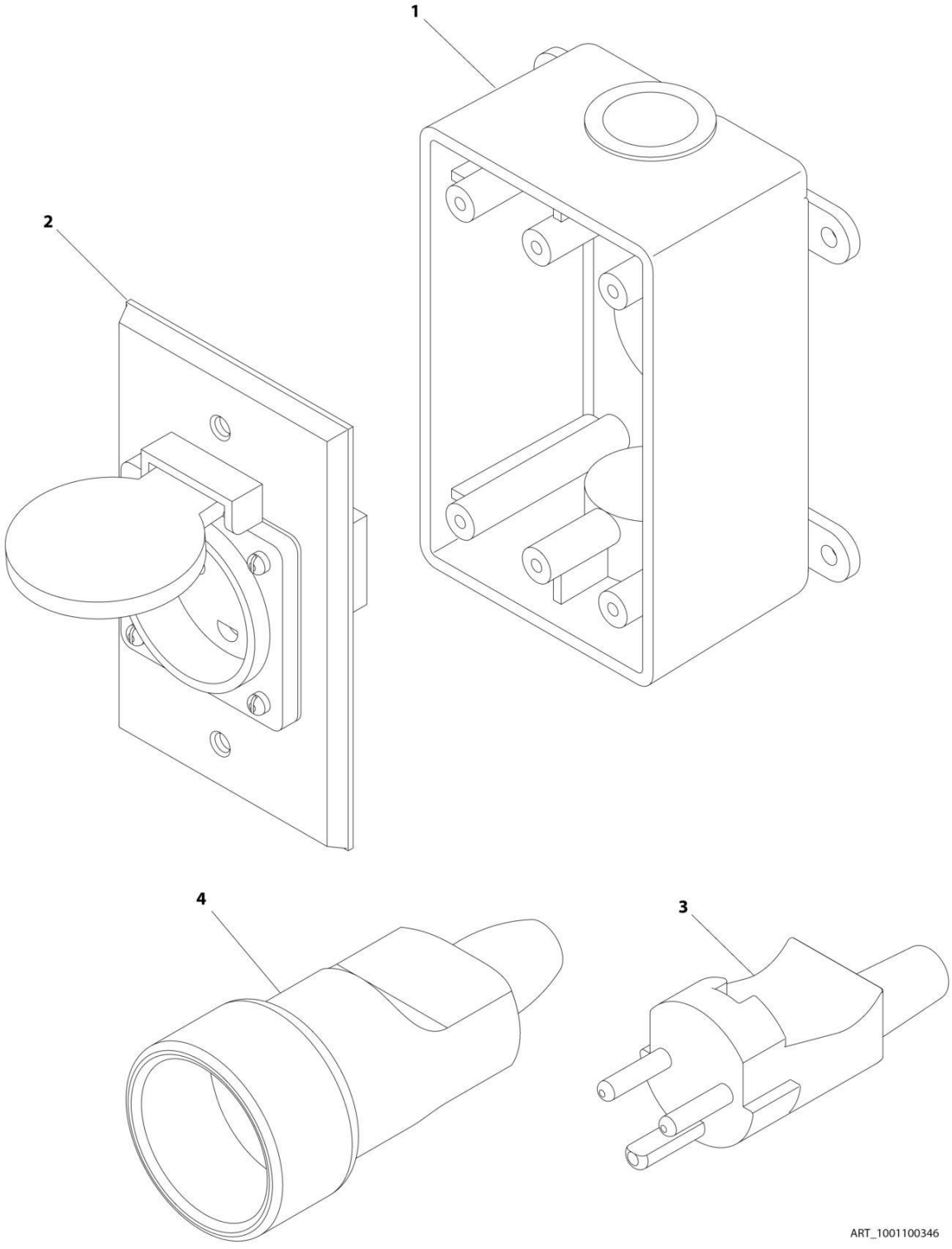
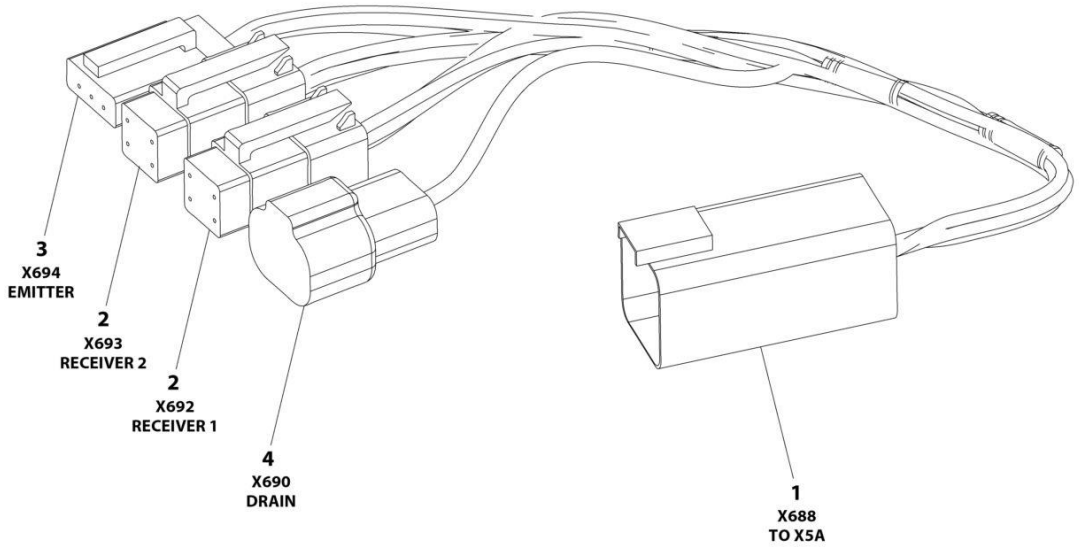


FIGURE 8-96. RECEPTACLE BOX KIT - 220V AFSINT107 KEYED GROUND (CE & UK CA SPECS) (WITH 2500W GENERATOR)

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 8-97. SKYEYE INTERMEDIATE HARNESS



ART_1001237865

FIGURE 8-97. 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 8-98. SKYEYE RECEIVER HARNESS

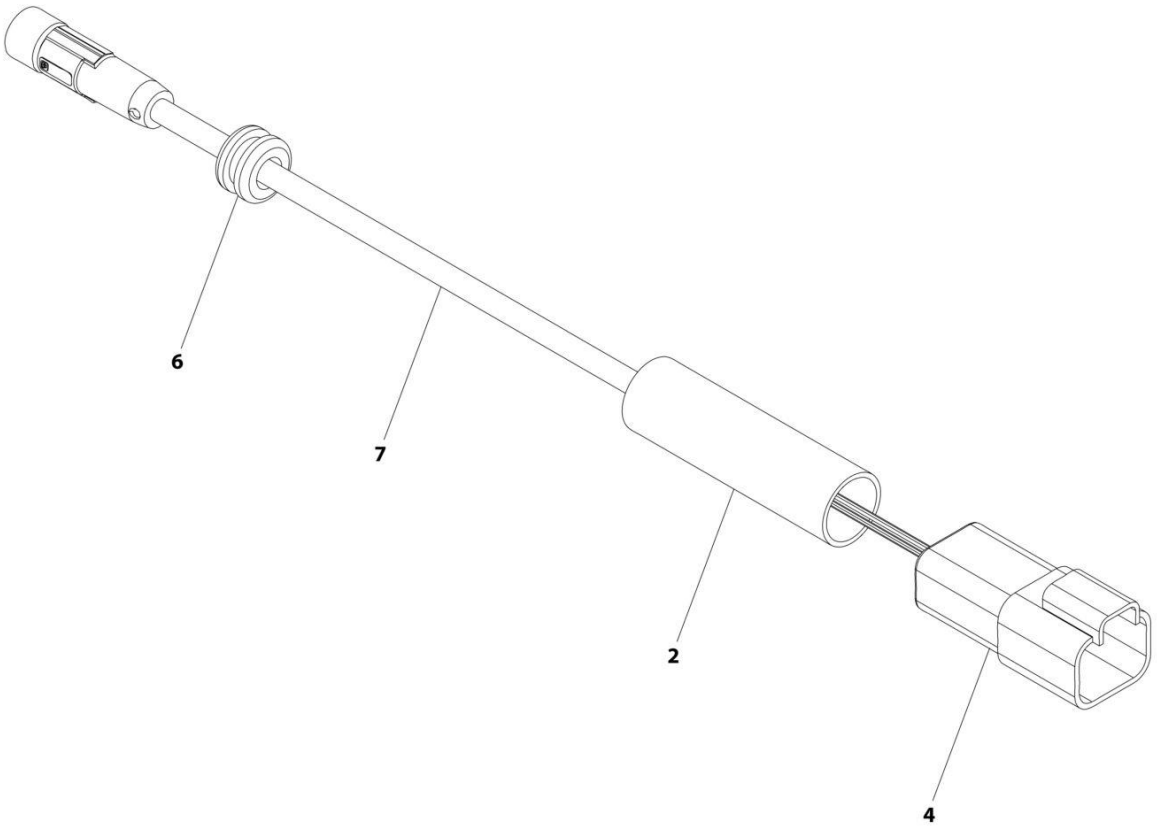


FIGURE 8-98. SKYEYE RECEIVER HARNESS

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 8-99. SKYEYE EMITTER HARNESS

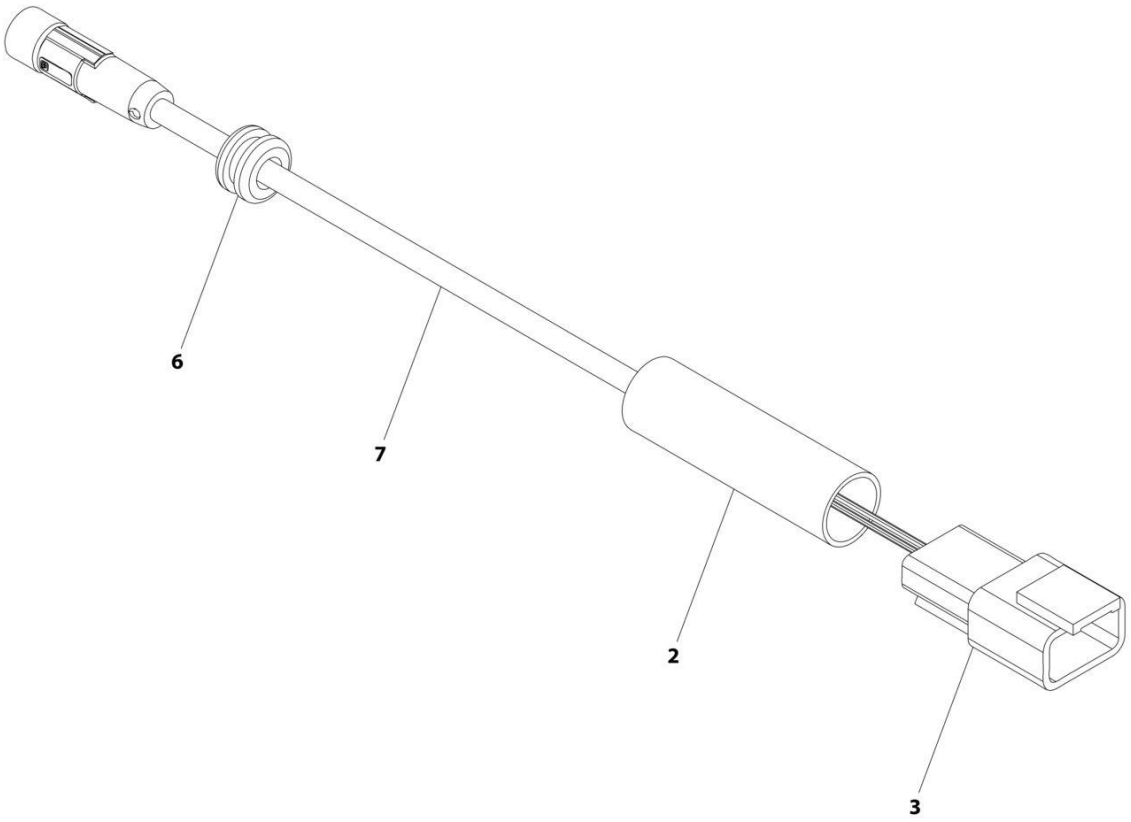


FIGURE 8-99. SKYEYE EMITTER HARNESS

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 8-100. SKYLINE HARNESS

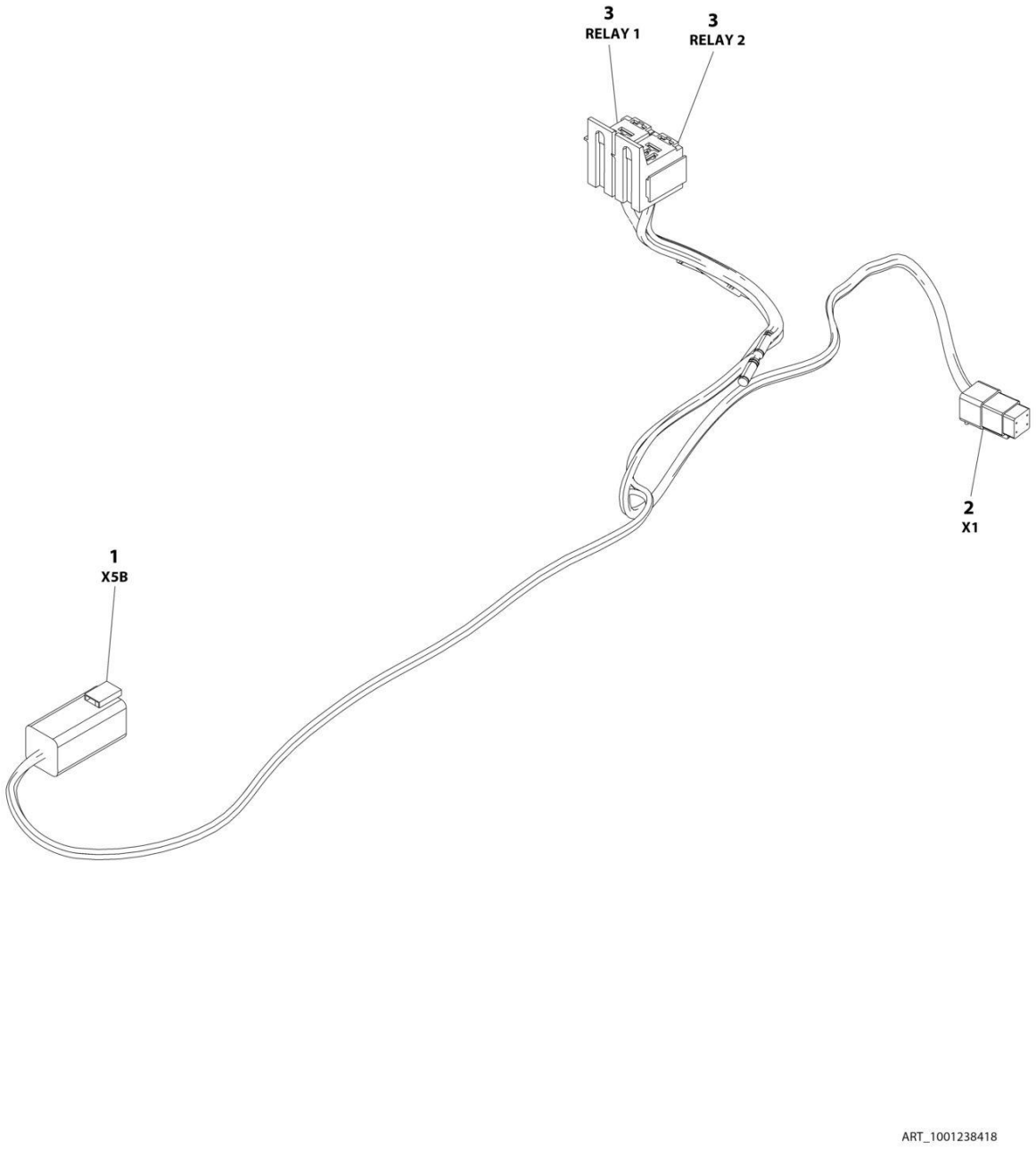


FIGURE 8-100. SKYLINE HARNESS

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 8-101. SKYGUARD INERFACE HARNESS

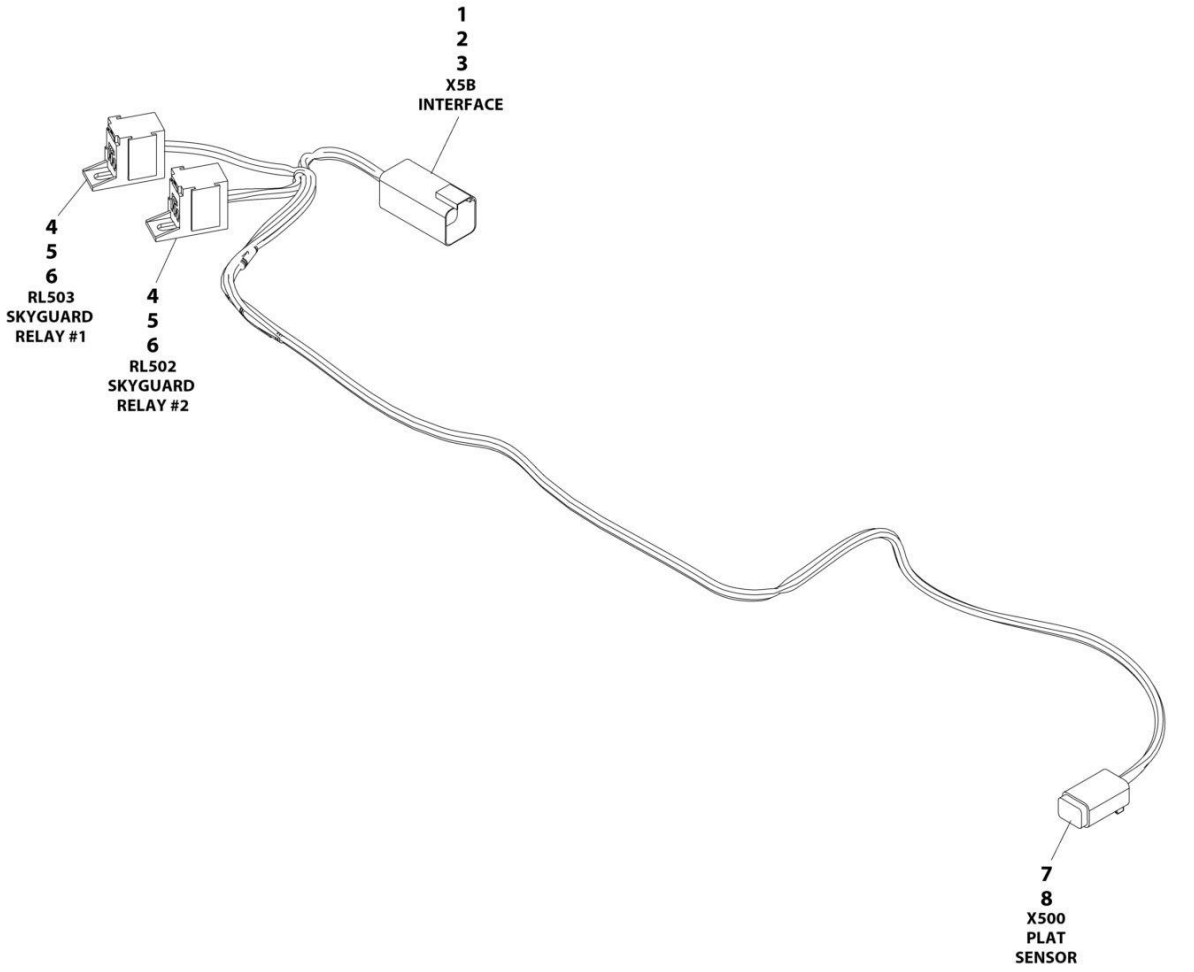


FIGURE 8-101. SKYGUARD INERFACE HARNESS

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 8-102. TILT SENSOR HARNESS

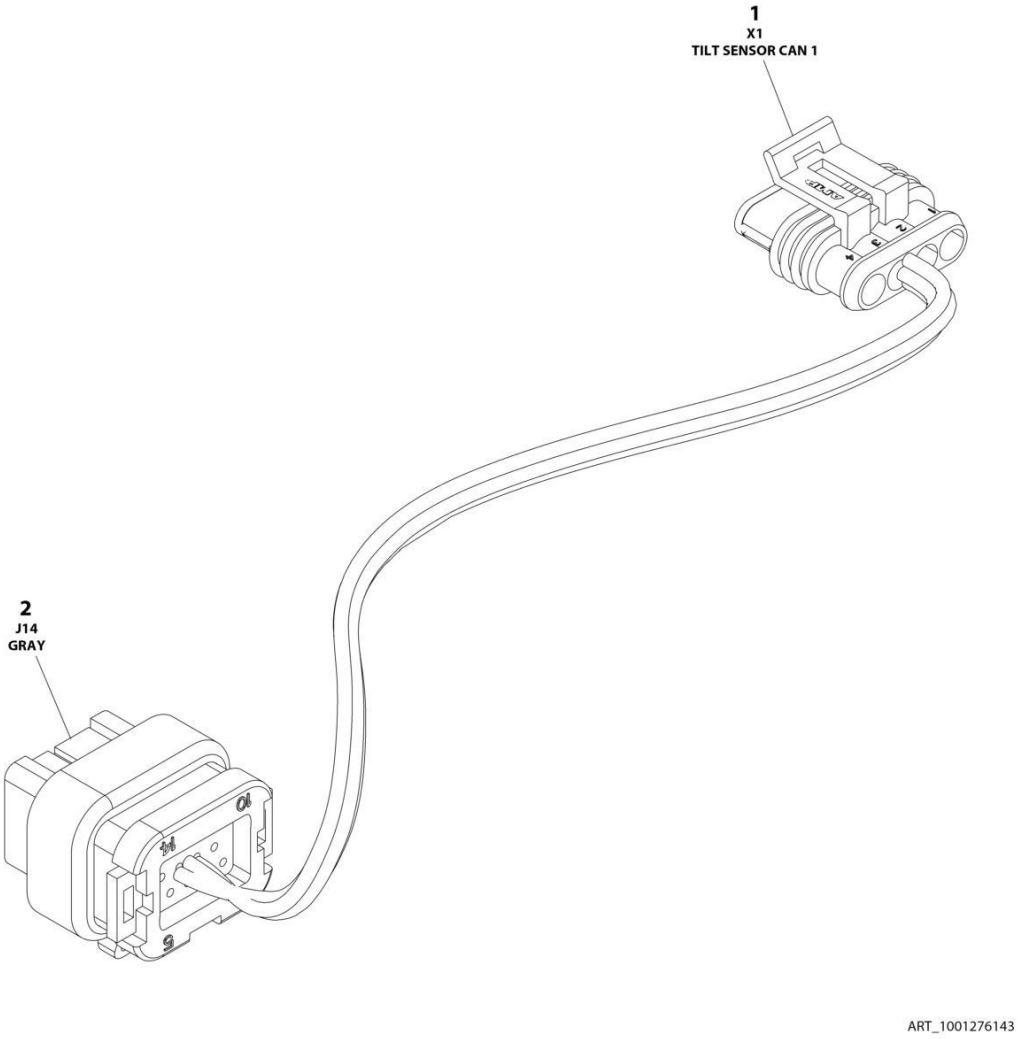


FIGURE 8-102. TILT SENSOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276143	Ref	TILT SENSOR HARNESS	B
1	1001103012	1	Connector - 4 Position	
1	1001107854	4	Terminal, Male	
1	1001104498	4	Terminal, Seal	
2	1001246859	1	Connector - 14 Position	
2	4460871	4	Socekt, Female	
2	4460905	10	Plug, Terminal	

FIGURE 8-103. VALVE HARNESS (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

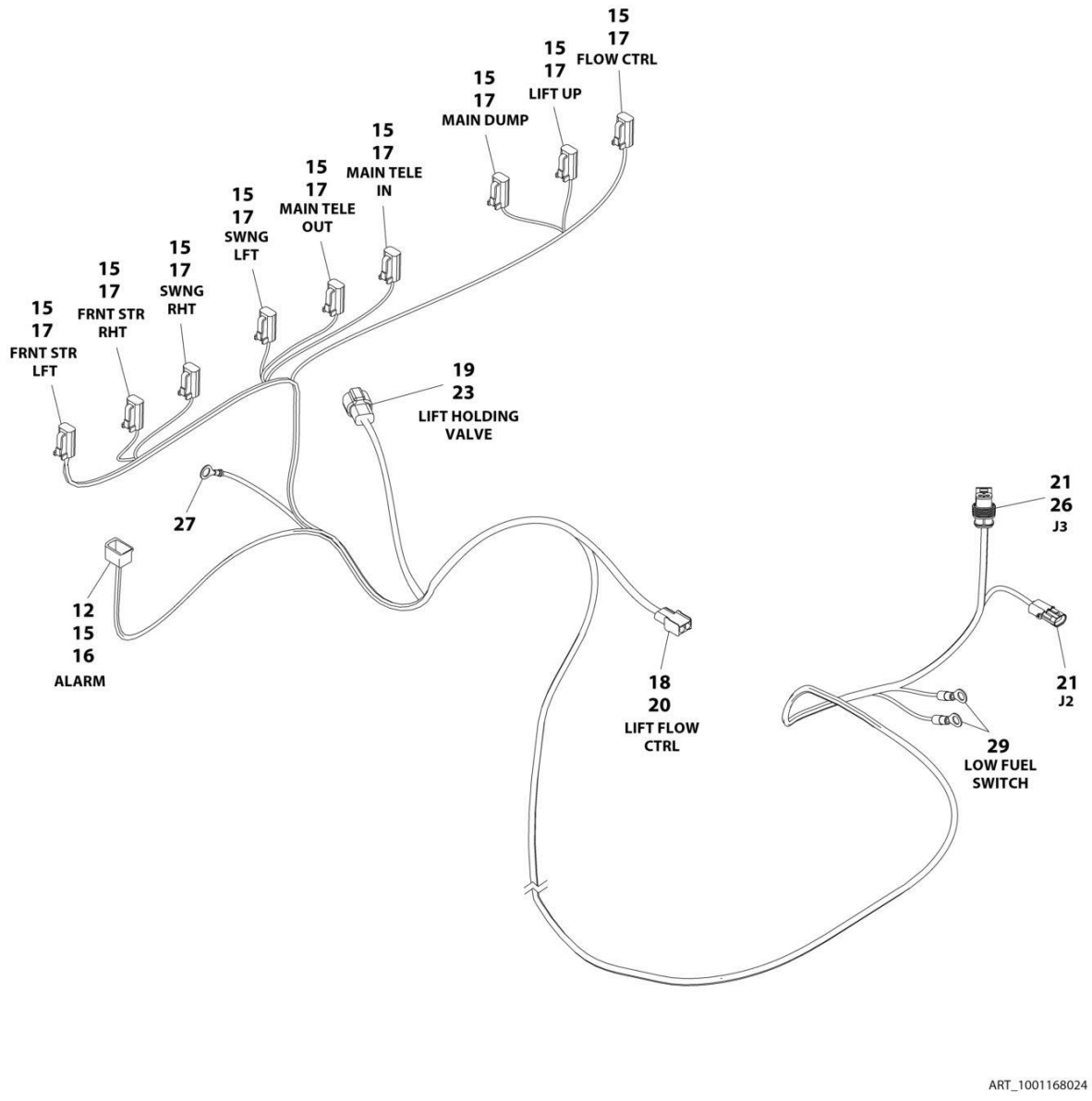


FIGURE 8-103. VALVE HARNESS (Prior to SN 0300298220, Prior to SN B300017904, Excluding 0300295807)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168024	Ref	VALVE HARNESS	E
12	4460539	1	Plug, Male - 3 Position	
13	4240033	AR	Tie-Strap (Not Shown)	
14	4240032	AR	Tie-Strap (Not Shown)	
15	1001116693	20	Socket, Female	
16	4460466	1	Plug, Terminal	
17	4460891	9	Plug, Male - 2 Position	
18	4460320	1	Plug, Male - 2 Position	
19	4460267	2	Pin, Male	
20	4460226	2	Socket, Female	
21	4460871	23	Socket, Female	
23	4460424	1	Receptacle, Female - 2 Position	
26	4460508	1	Terminal	
27	4460019	1	Terminal, Ring	
29	4460313	2	Terminal, Ring	

FIGURE 8-104. VALVE HARNESS (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

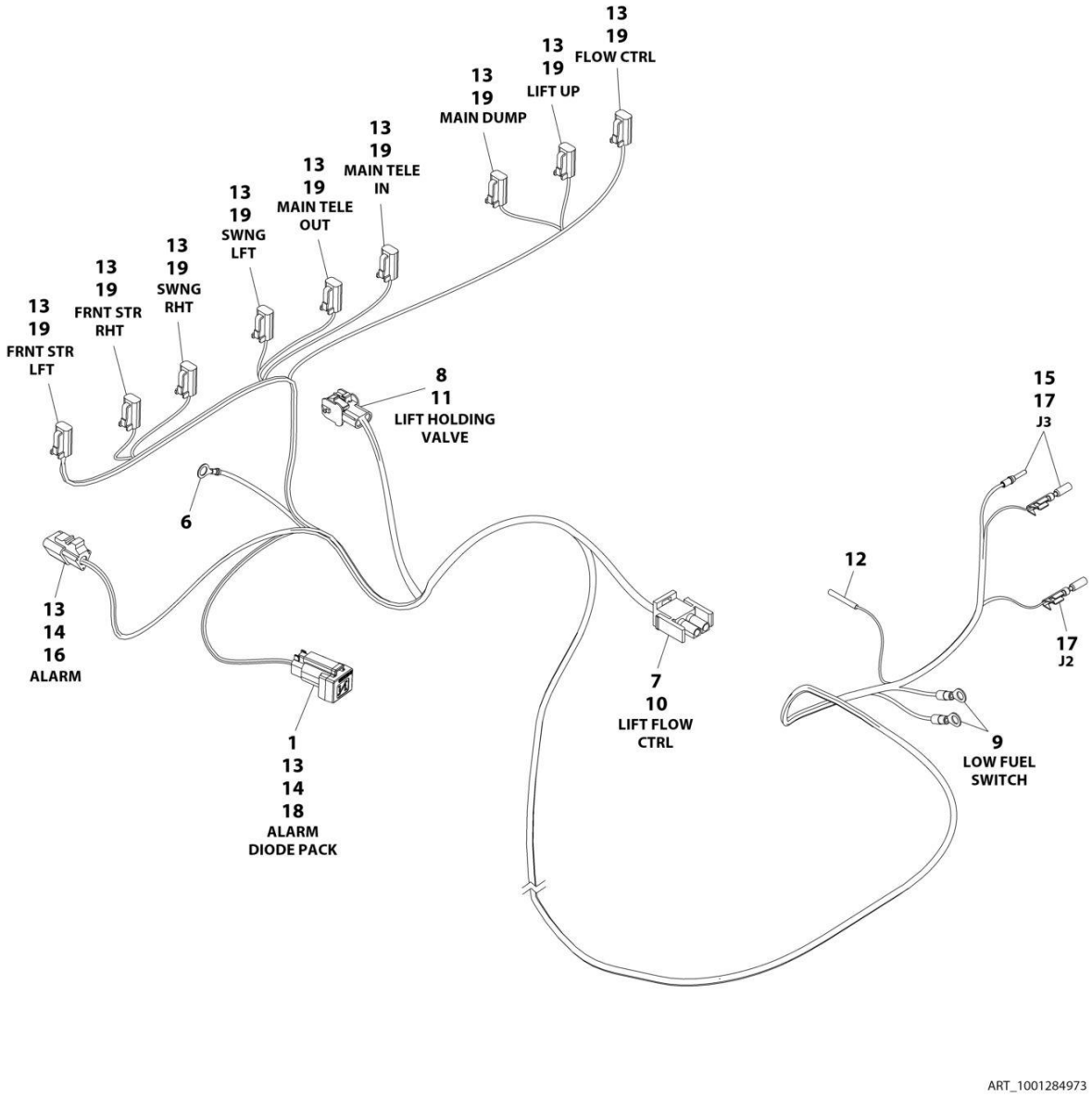


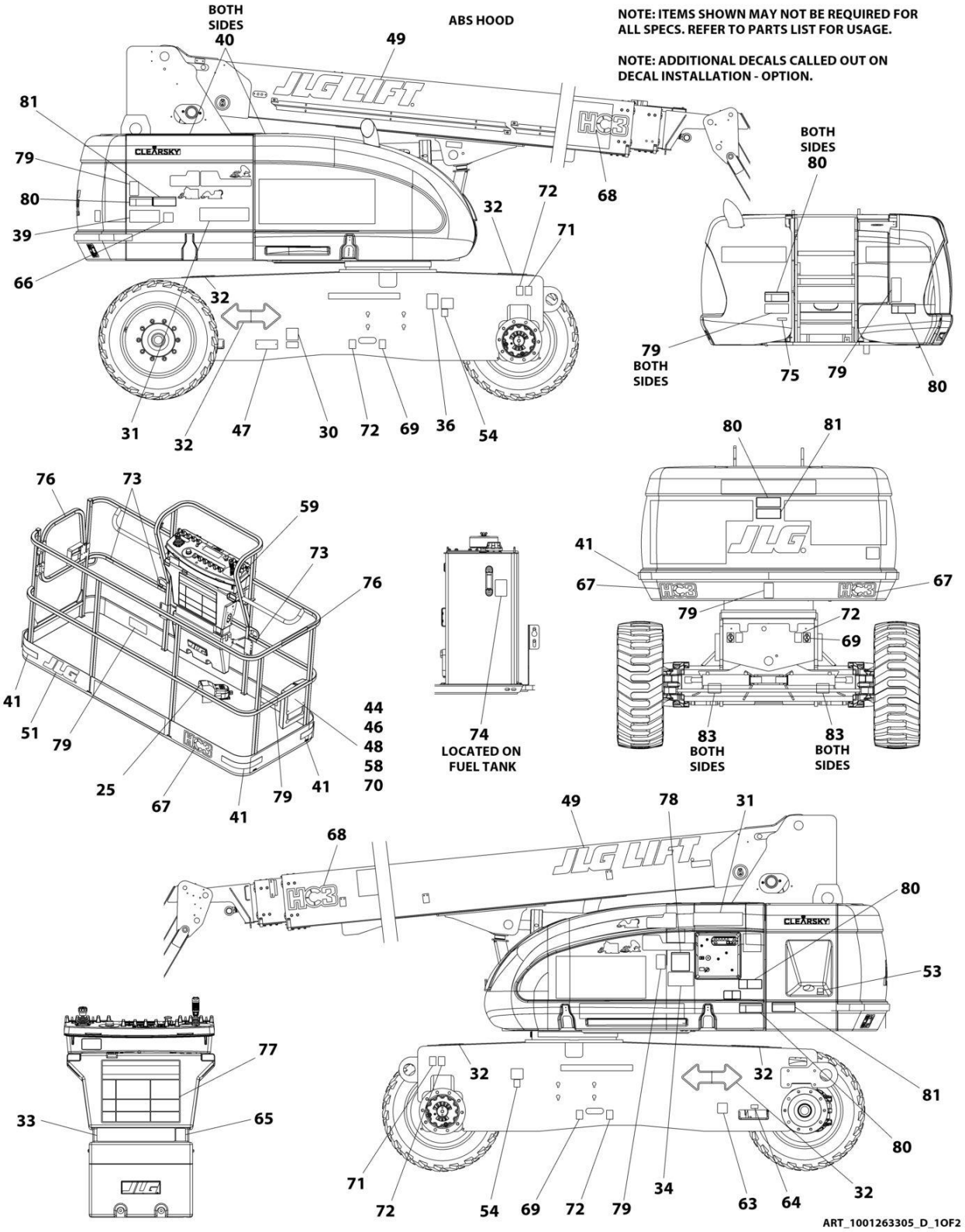
FIGURE 8-104. VALVE HARNESS (SN 0300298220 to Present, SN B300017904 to Present, Including 0300295807)

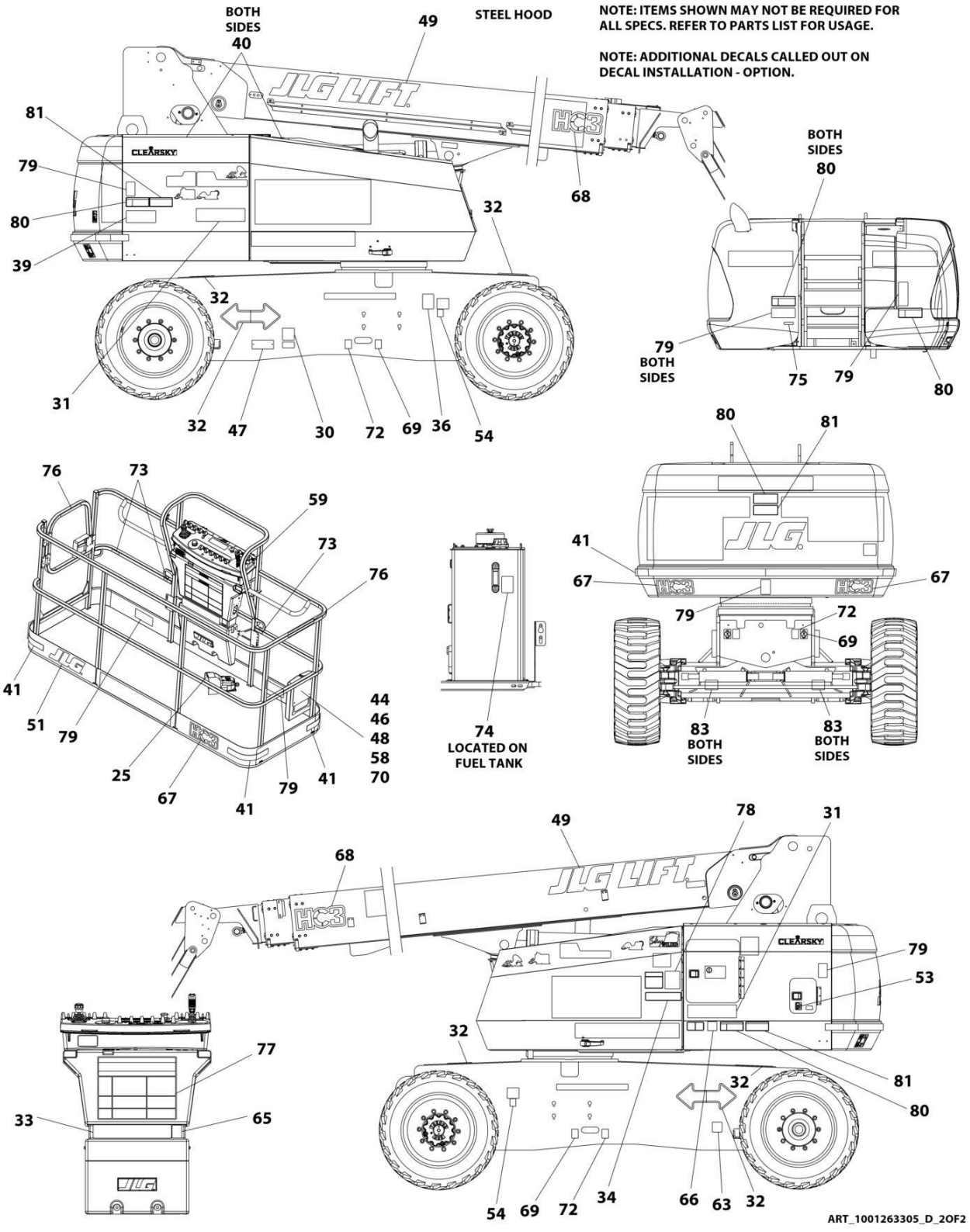
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284973	Ref	VALVE HARNESS	C
1	1001152266	1	Connector	
6	4460019	1	Terminal, Ring	
7	4460226	2	Socket	
8	4460267	2	Pin	
9	4460313	2	Terminal, Ring	
10	4460320	1	Terminal, Plug	
11	4460424	1	Terminal, Plug	
12	4460464	1	Pin	
13	4460465	23	Socket	
14	4460466	3	Plug, Seal	
15	4460508	1	Terminal	
16	4460539	1	Terminal, Plug	
17	4460871	20	Socket	
18	4460884	1	Connector	
19	4460891	9	Connector	
26	4460897	1	Connector (Not Shown)	

SECTION 9 - DECALS

SECTION 9 - DECALS

FIGURE 9-1. DECAL INSTALLATION (ANSI SPECS) (800S HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
68
BOTH SIDES
80
79
BOTH SIDES
75
79
80
76
73
59
73
76
41
51
79
25
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
79
53
77
33
65
32
81
80
54
69
72
34
66
63
32
ART_1001263305_D_2OF2

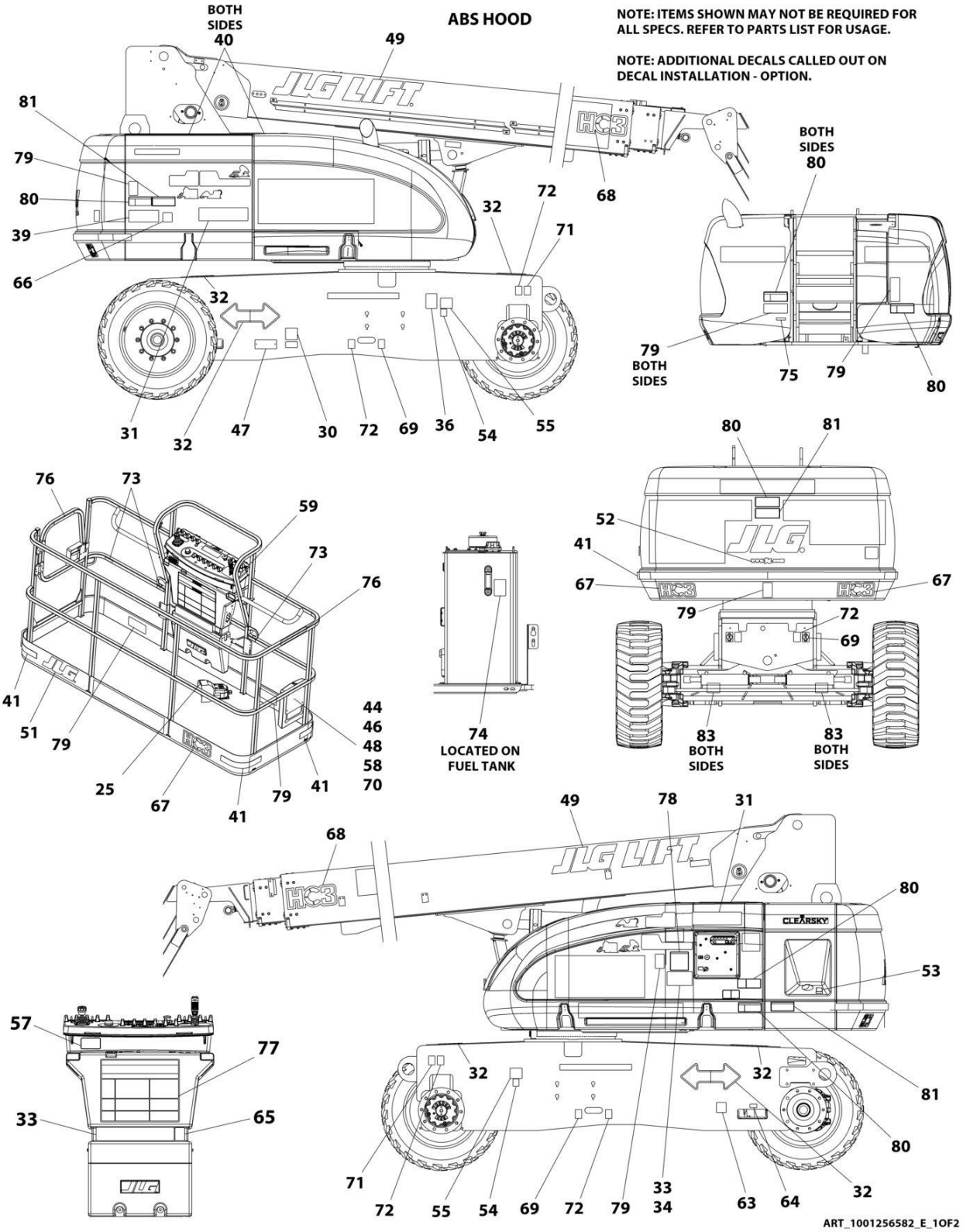
SECTION 9 - DECALS

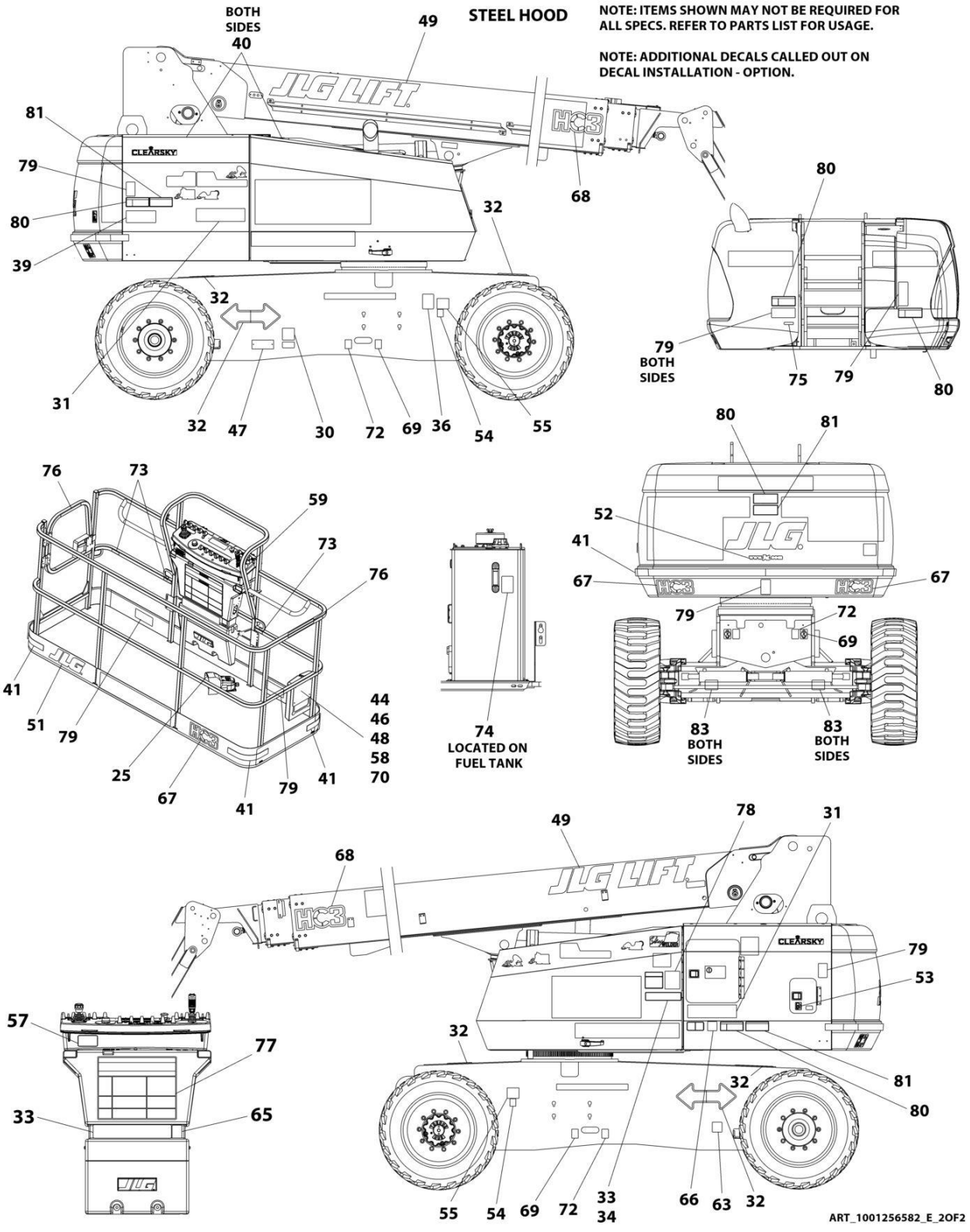
FIGURE 9-1. DECAL INSTALLATION (ANSI SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263305	Ref	DECAL INSTALLATION	D
	1001256837	Ref	REFERENCE CHART	C
25	3252347	1	Decal - Footswitch	
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267308	2	Decal - 800S	
32	1701501	4	Decal - Arrow	
33	1001256567	1	Decal - Warning	
34	1001256568	1	Decal - Warning	
36	1001131269	1	Decal - Patent	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705351	1	Decal - Drive/Steer Instructions	
63	1001223055	1	Decal - Yearly Inspection	
64	1001223453	1	Decal - ICES	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
75	3251243	1	Nameplate - 120V-60HZ	
76	1702868	2	Decal - No Hands	
77	1703797	1	Decal - Warning/Danger	
78	1705336	1	Decal - Warning Inspection (MTB)	
79	1703804	5	Decal - Warning Crushing	
80	1703805	5	Decal - Danger Electrocution	
81	1703953	7	Decal - Warning Crushing	
83	1703475	4	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-2. DECAL INSTALLATION (ANSI SPECS) (860SJ HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
55
68
JLG LIFT
HC3
CLEARSKY
80
79
BOTH SIDES
75
79
80
76
73
59
73
76
41
51
79
25
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
52
41
67
67
79
72
69
JLG
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
JLG LIFT
HC3
CLEARSKY
79
53
57
77
33
65
32
81
80
55
54
69
72
33
34
66
63
32
ART_1001256582_E_2OF2

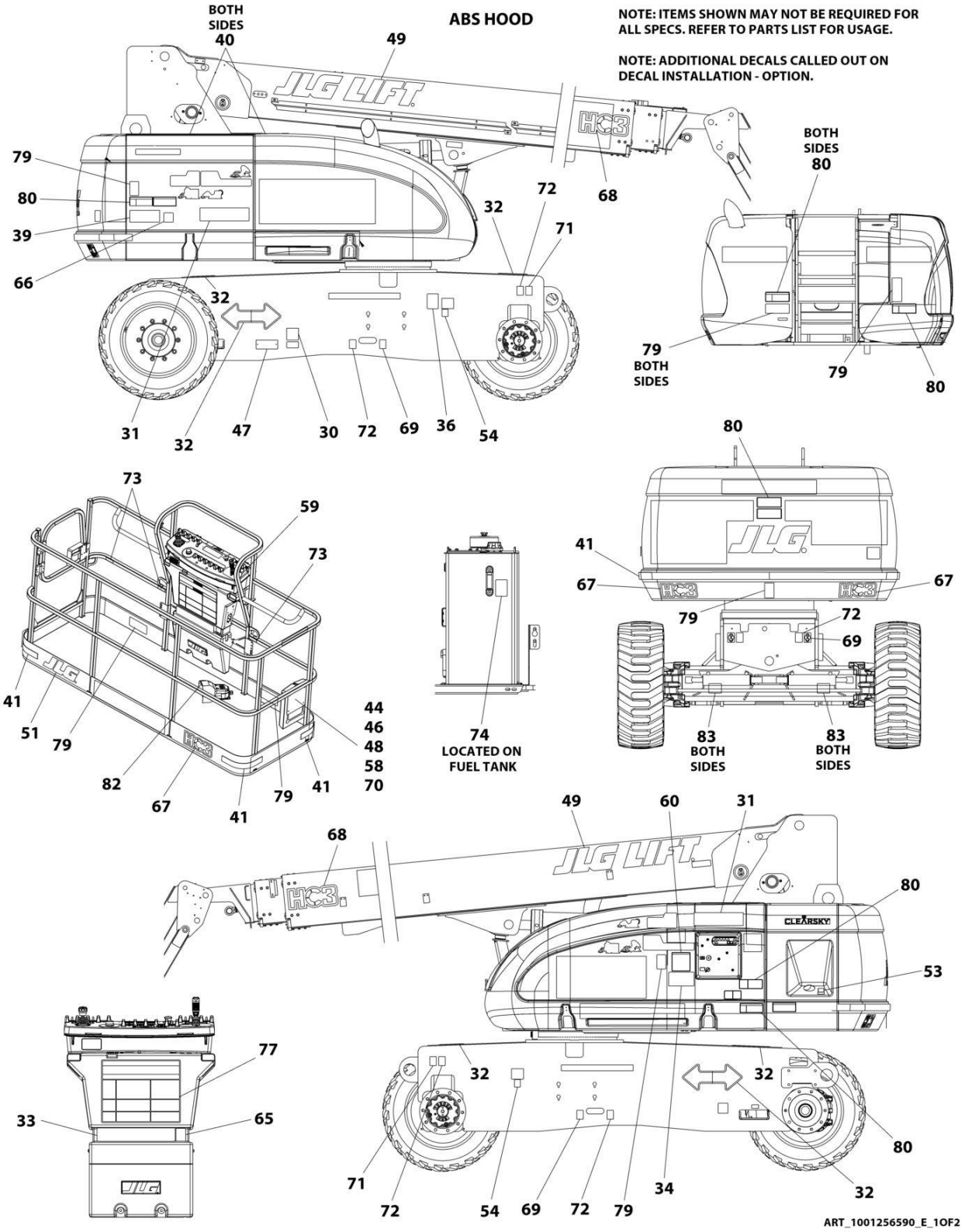
SECTION 9 - DECALS

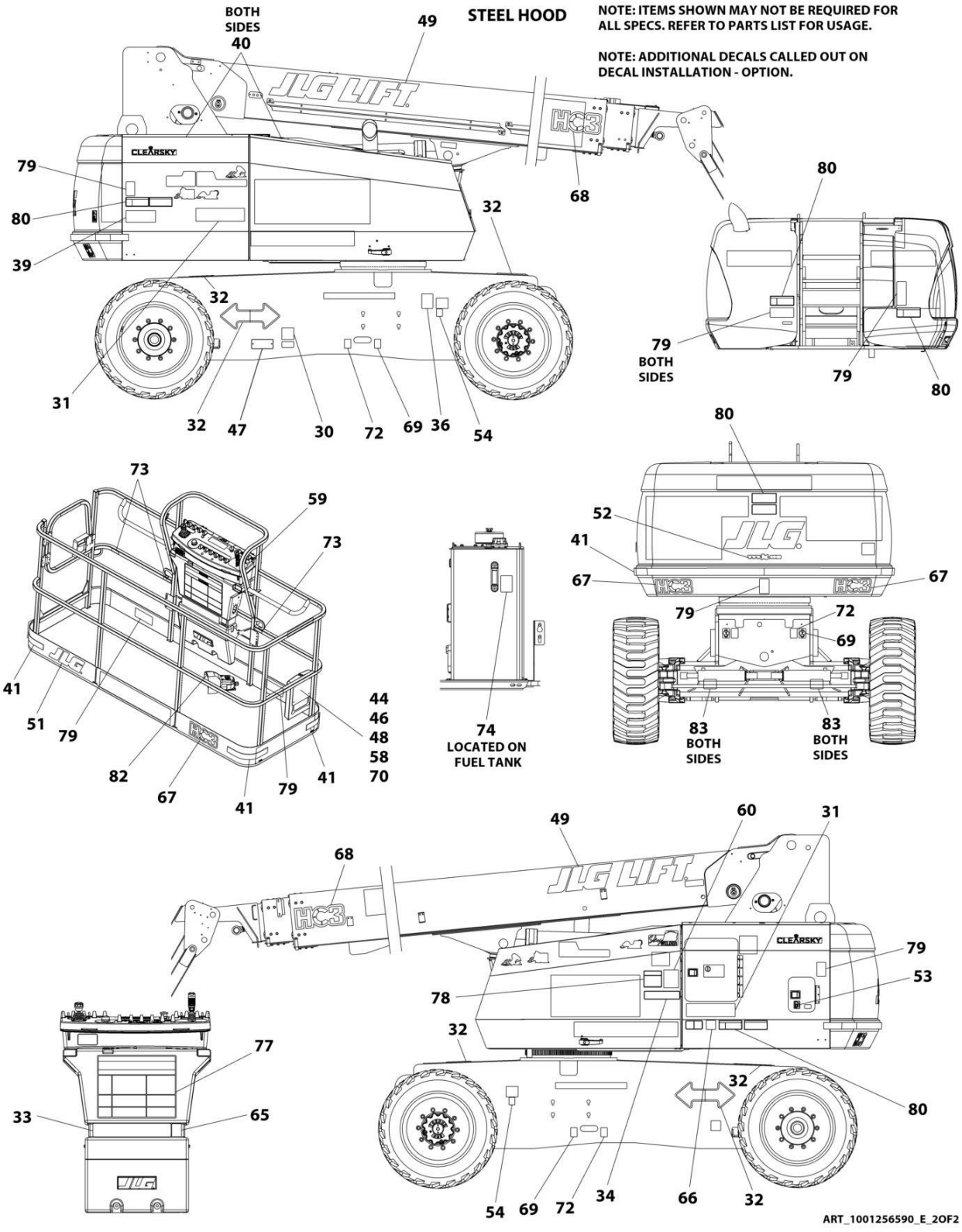
FIGURE 9-2. DECAL INSTALLATION (ANSI SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256582	Ref	DECAL INSTALLATION	E
	1001256837	Ref	REFERENCE CHART	C
25	3252347	1	Decal - Footswitch	
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267309	2	Decal - 860SJ	
32	1701501	4	Decal - Arrow	
33	1001256567	1	Decal - Warning	
34	1001256568	1	Decal - Warning	
36	1001131269	1	Decal - Patent	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705351	1	Decal - Drive/Steer Instructions	
63	1001223055	1	Decal - Yearly Inspection	
64	1001223453	1	Decal - ICES	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
75	3251243	1	Nameplate - 120V-60HZ	
76	1702868	2	Decal - No Hands	
77	1703797	1	Decal - Warning/Danger	
78	1705336	1	Decal - Warning Inspection (MTB)	
79	1703804	5	Decal - Warning Crushing	
80	1703805	5	Decal - Danger Electrocution	
81	1703953	7	Decal - Warning Crushing	
83	1703484	4	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-3. DECAL INSTALLATION (AUSTRALIAN SPECS) (860SJ HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
JLG LIFT
HC3
CLEARSKY
79
80
39
32
68
31
47
30
72
69
36
54
BOTH SIDES
73
59
41
51
44
46
48
58
70
82
67
74
LOCATED ON FUEL TANK
52
JLG
83
BOTH SIDES
60
53
78
77
33
65
66
34
ART_1001256590_E_2OF2

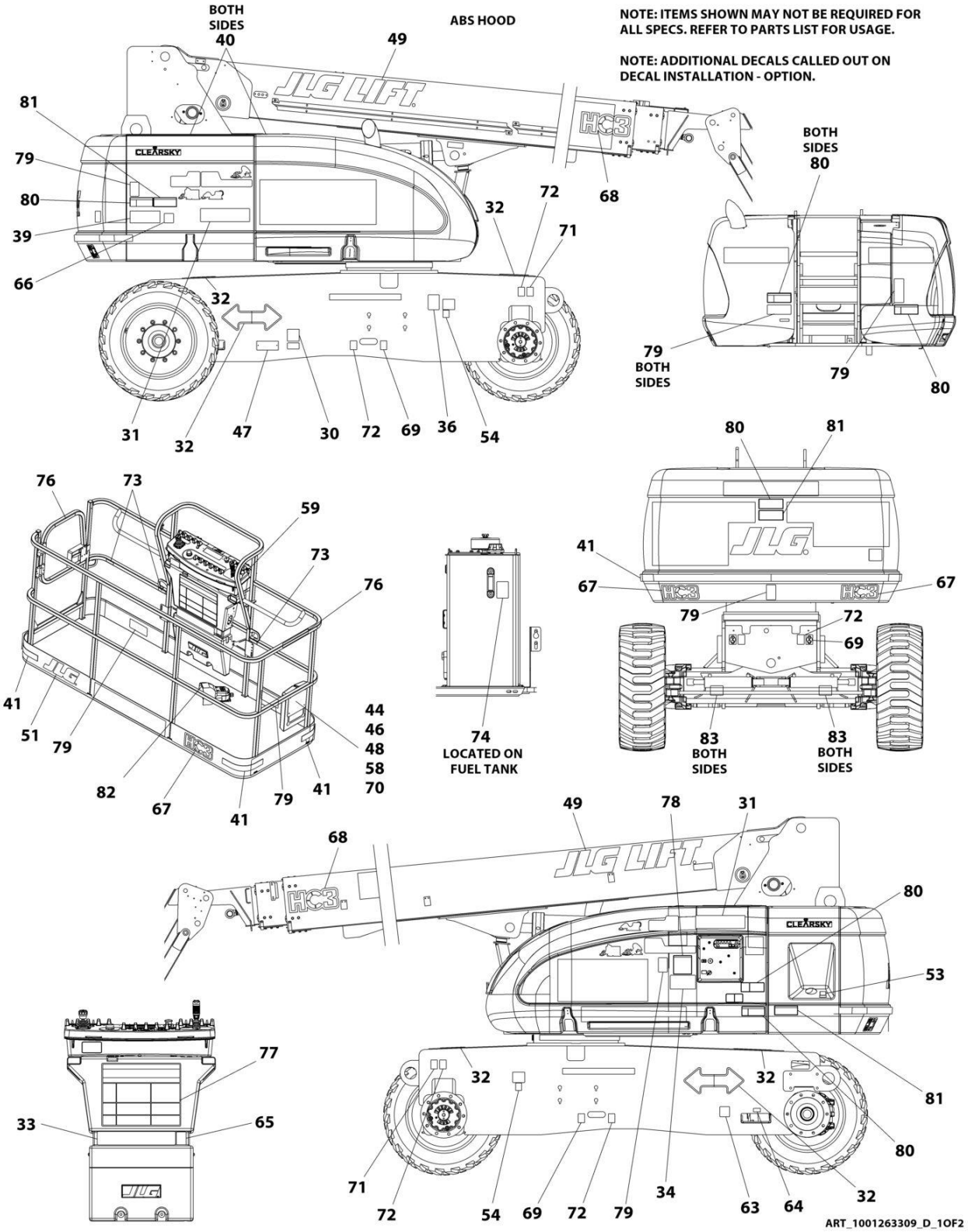
SECTION 9 - DECALS

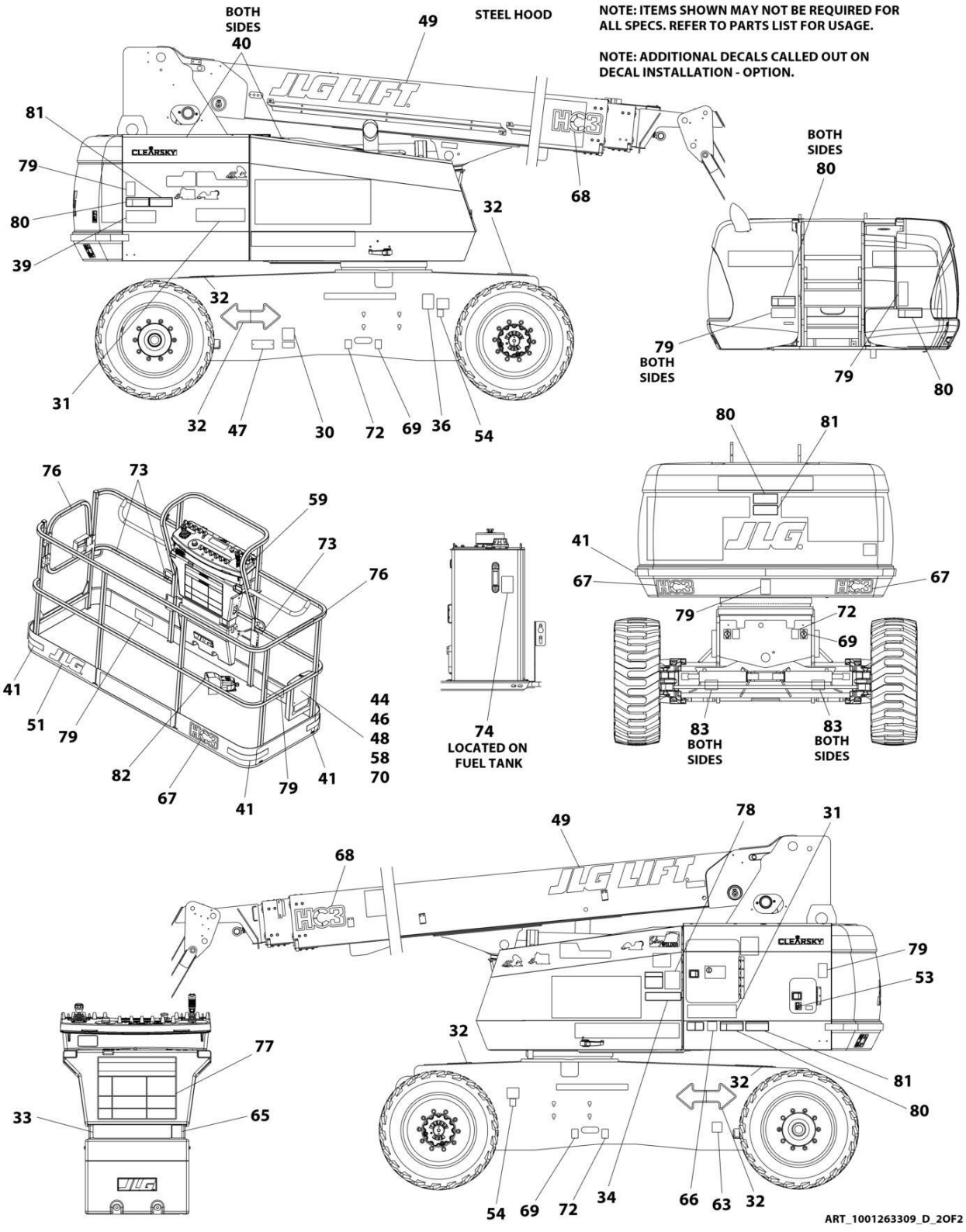
FIGURE 9-3. DECAL INSTALLATION (AUSTRALIAN SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256590	Ref	DECAL INSTALLATION	E
	1001256837	Ref	REFERENCE CHART	C
30	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267309	2	Decal - 860SJ	
32	1701501	4	Decal - Arrow	
33	1001256581	2	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	AR	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
60	1001112551	1	Decal - Emergency Control	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Lifting Lug	
72	1703814	6	Decal - Tie Down/Lift	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
77	1705921	1	Decal - Tipping	
78	1705822	1	Decal - Warning	
79	1701518	10	Decal - Warning Crushing	
80	1705961	5	Decal - Danger Electrocution	
82	1705828	1	Decal - Footswitch	
83	1703484	1	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-4. DECAL INSTALLATION (BRAZILIAN SPECS) (800S HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
68
BOTH SIDES
80
79
BOTH SIDES
79
80
76
73
59
73
76
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
79
53
32
77
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65
32
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ART_1001263309_D_2OF2

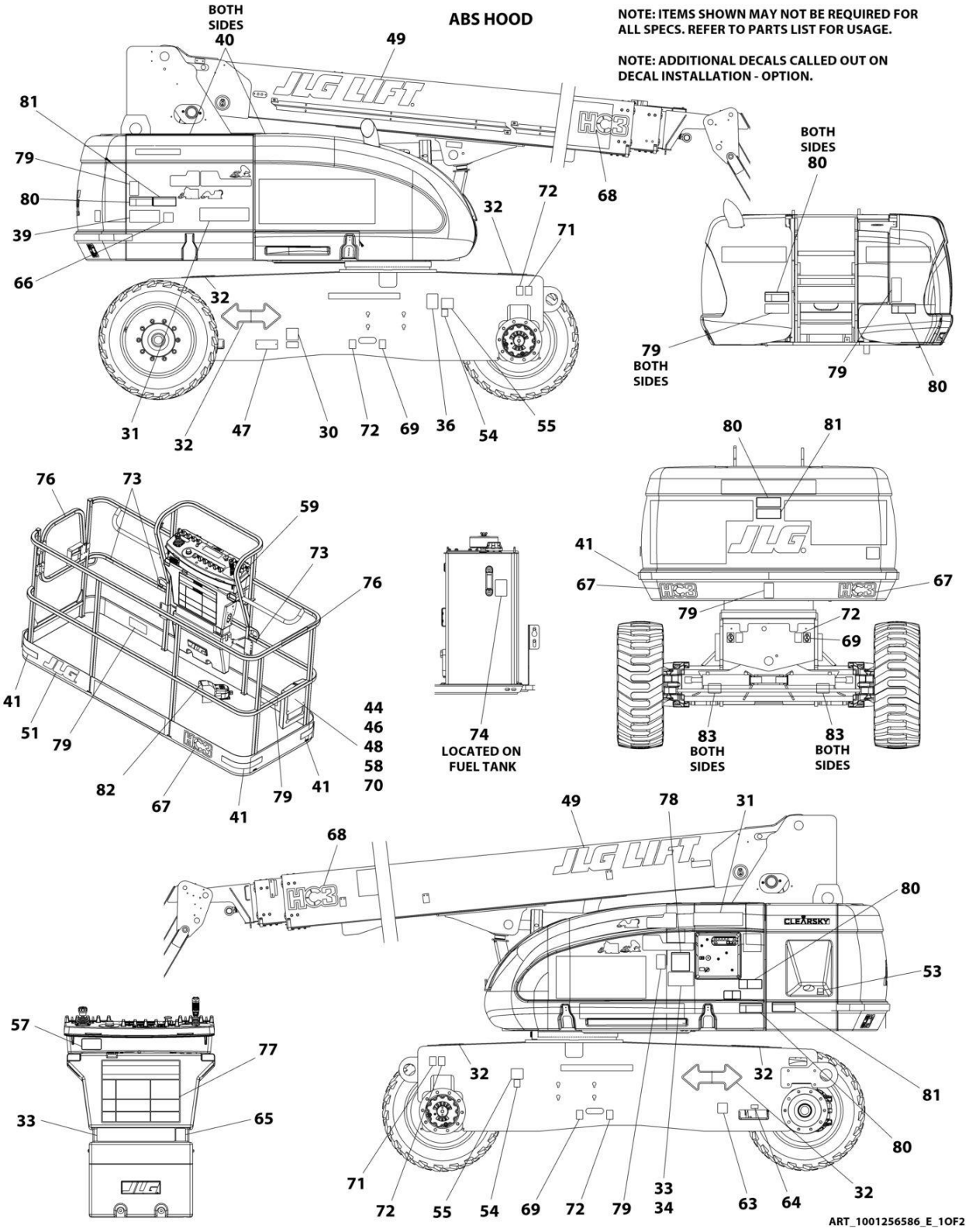
SECTION 9 - DECALS

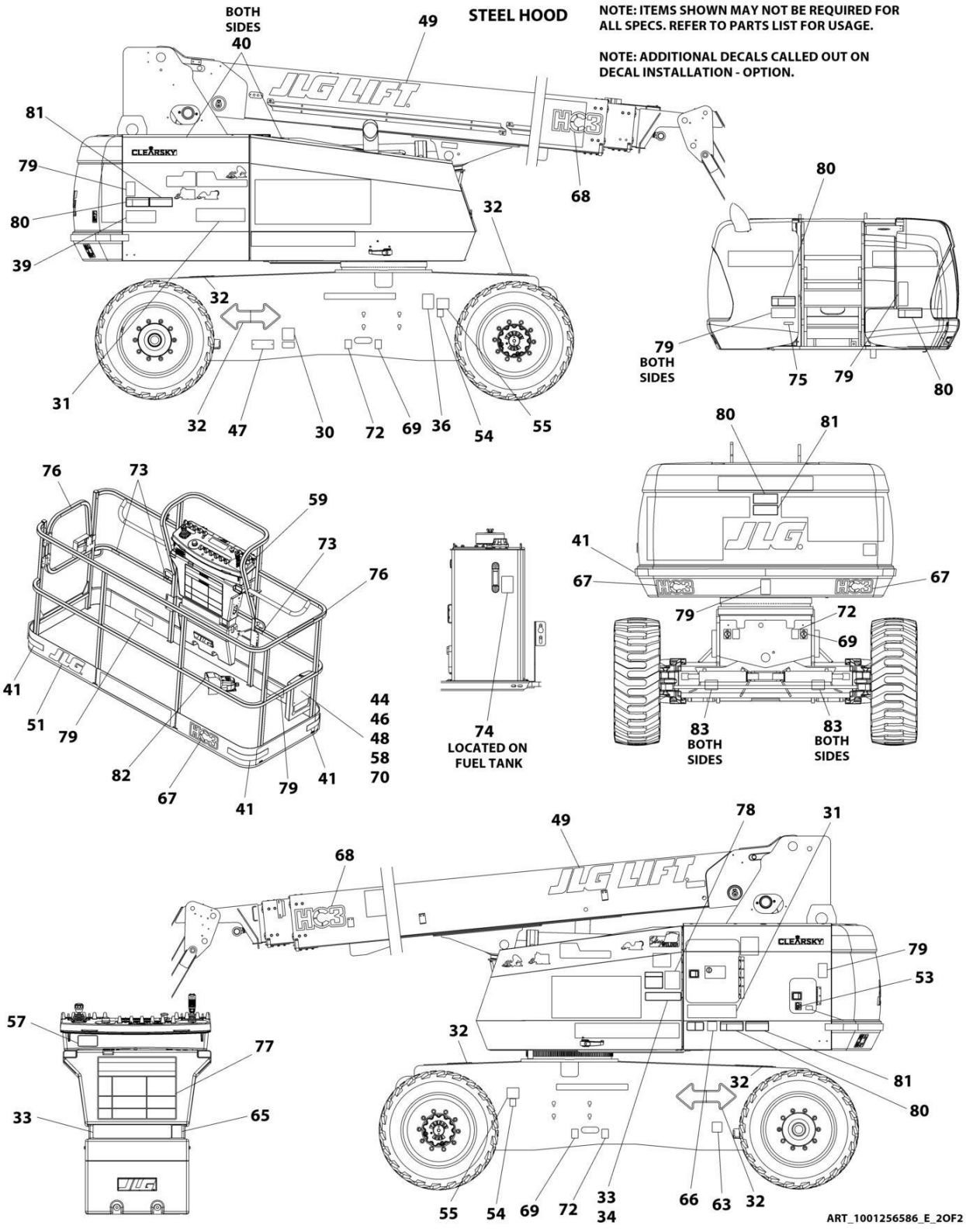
FIGURE 9-4. DECAL INSTALLATION (BRAZILIAN SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263309	Ref	DECAL INSTALLATION	D
	1001256837	Ref	REFERENCE CHART	C
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267308	2	Decal - 800S	
32	1701501	4	Decal - Arrow	
33	1001256575	1	Decal - Warning	
34	1001256576	1	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705905	1	Decal - Drive/Steer Instructions	
63	1001224052	1	Decal - Yearly Inspection	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
76	1705967	2	Decal - No Hands	
77	1705895	1	Decal - Warning/Danger	
78	1705896	1	Decal - Warning Inspection (MTB)	
79	1705898	5	Decal - Warning Crushing	
80	1705897	5	Decal - Danger Electrocution	
81	1705903	7	Decal - Warning Crushing	
82	1705902	1	Decal - Foot Switch	
83	1703475	4	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-5. DECAL INSTALLATION (BRAZILIAN SPECS) (860SJ HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
55
68
JLG LIFT
HC3
CLEARSKY
80
79
BOTH SIDES
75
79
80
76
73
59
73
76
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
JLG LIFT
HC3
CLEARSKY
79
53
57
77
33
65
32
32
81
80
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54
69
72
33
34
66
63
32
ART_1001256586_E_2OF2

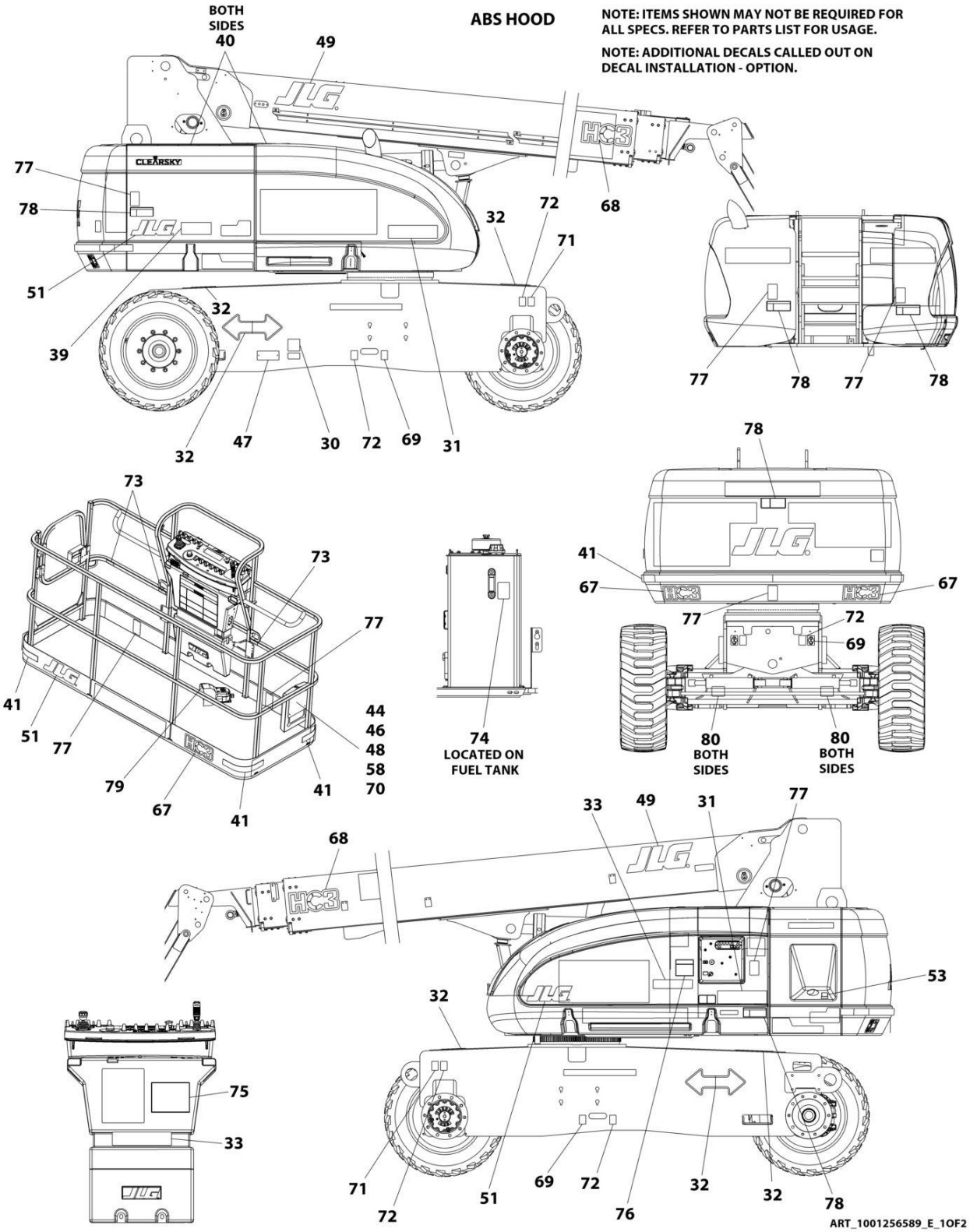
SECTION 9 - DECALS

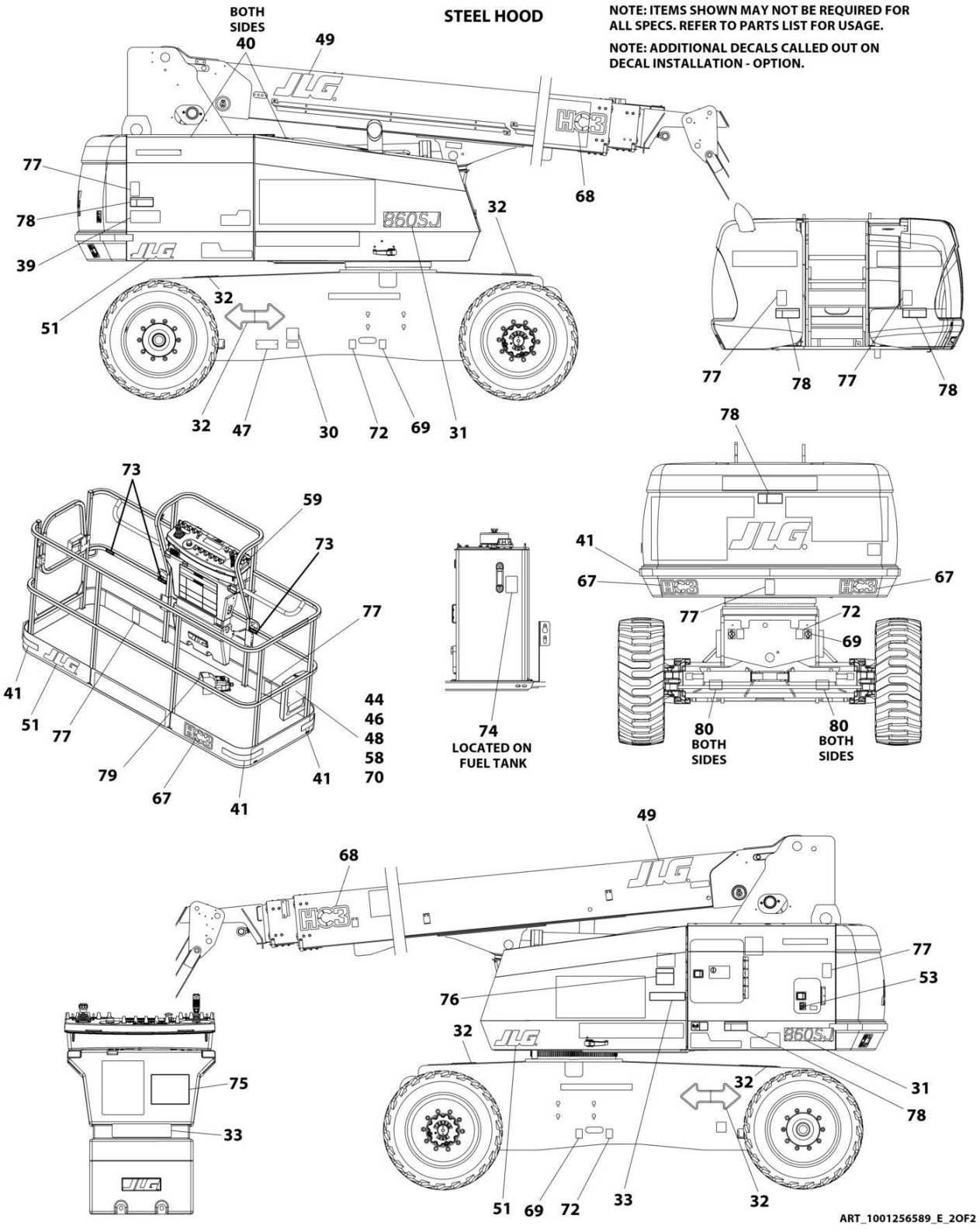
FIGURE 9-5. DECAL INSTALLATION (BRAZILIAN SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256586	Ref	DECAL INSTALLATION	E
	1001256837	Ref	REFERENCE CHART	C
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267309	2	Decal - Model	
32	1701501	4	Decal - Arrow	
33	1001256575	1	Decal - Warning	
34	1001256576	1	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705905	1	Decal - Drive/Steer Instructions	
63	1001224052	1	Decal - Yearly Inspection	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
76	1705967	2	Decal - No Hands	
77	1705895	1	Decal - Warning/Danger	
78	1705896	1	Decal - Warning Inspection (MTB)	
79	1705898	5	Decal - Warning Crushing	
80	1705897	5	Decal - Danger Electrocution	
81	1705903	7	Decal - Warning Crushing	
82	1705902	1	Decal - Foot Switch	
83	1703484	4	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-6. DECAL INSTALLATION (CE & UK CA SPECS) (860SJ HC3)




BOTH SIDES
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
40
49
77
78
39
51
32
68
860SJ
47
30
72
69
31
74
LOCATED ON FUEL TANK
73
59
41
67
80
BOTH SIDES
44
46
48
58
70
75
33
76
53
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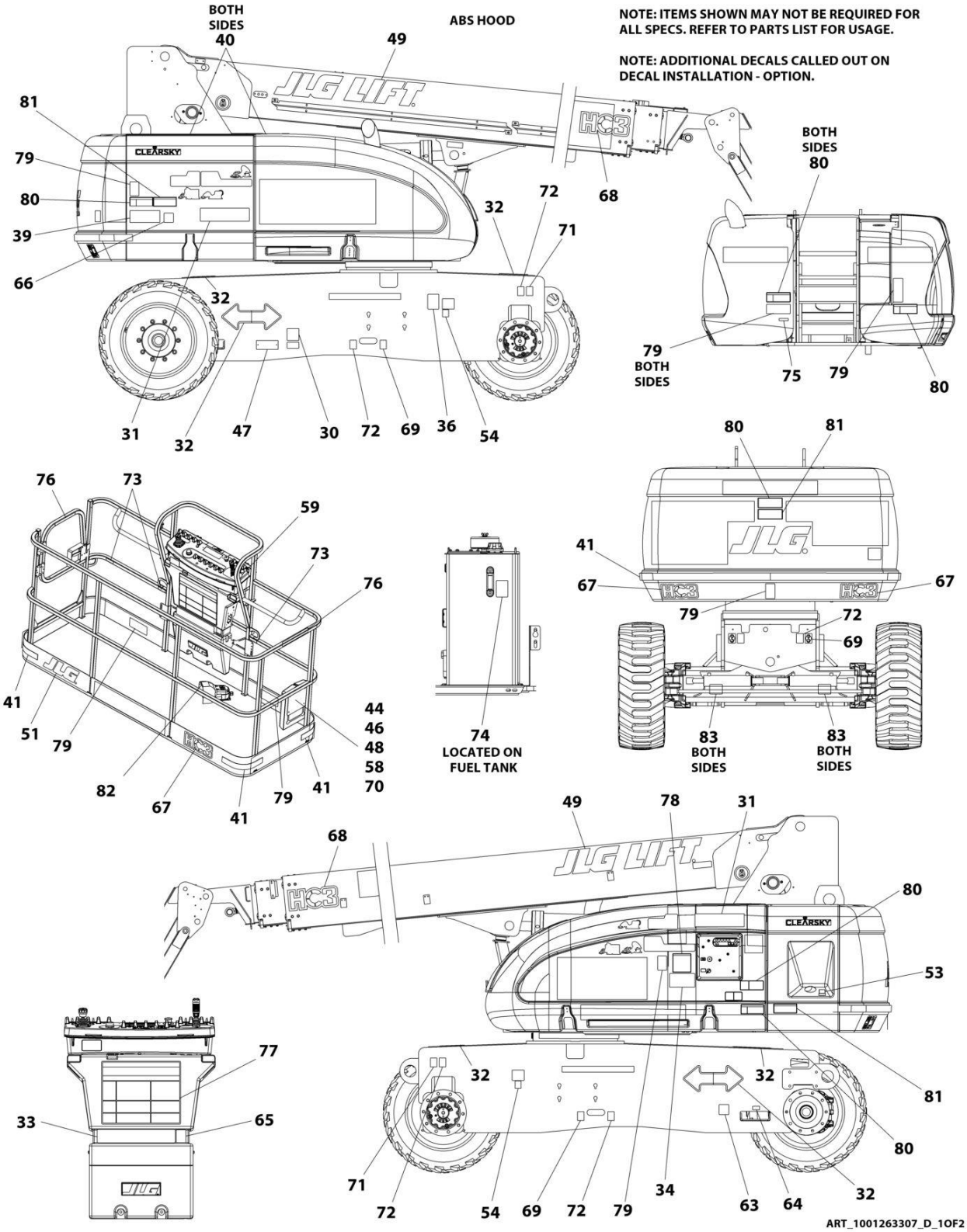
SECTION 9 - DECALS

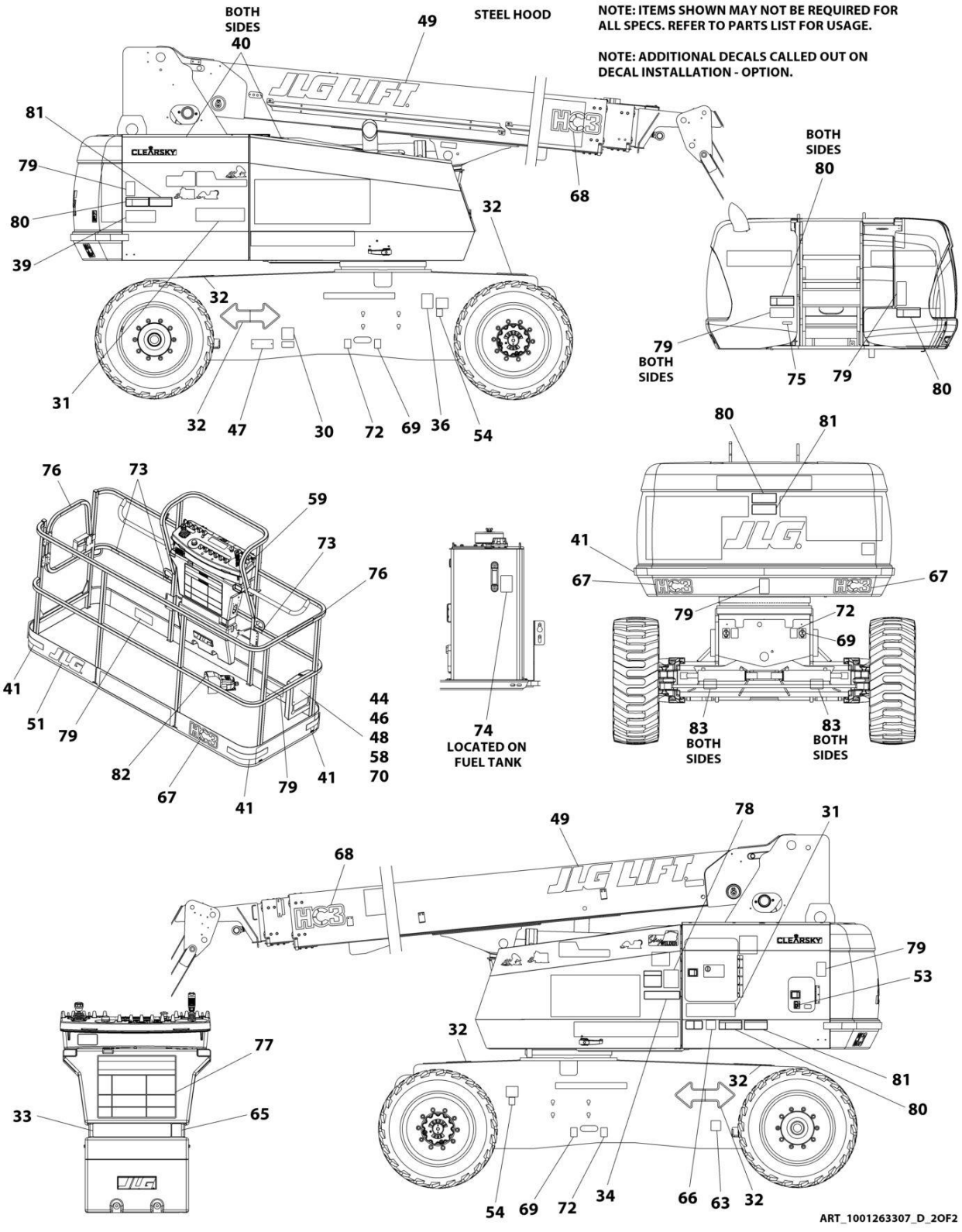
FIGURE 9-6. DECAL INSTALLATION (CE & UK CA SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256589	Ref	DECAL INSTALLATION	E
	1001263459	Ref	REFERENCE CHART	B
30	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267309	2	Decal - 860SJ	
32	1701501	4	Decal - Arrow	
33	1001256581	2	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	AR	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
49	1001159323	2	Decal - JLG, Black	
51	1702773	3	Decal - JLG	
58	0641406	4	Washer 1/4	
67	1001244212	3	Decal - Capacity	
68	1001256906	2	Decal - Capacity	
69	1701499	1	Decal - No Lift	
70	1701509	4	Decal - Manual	
71	1703811	6	Decal - Lifting Lug	
72	1703814	1	Decal - Tie Down	
73	1704277	1	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Oil Chart	
75	1705921	1	Decal - Tipping	
76	1705822	1	Decal - Warning	
77	1701518	10	Decal - Warning Crushing	
78	1705961	5	Decal - Danger Electrocution	
79	1705828	1	Decal - Footswitch	
80	1703484	1	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-7. DECAL INSTALLATION (CHINESE SPECS) (800S HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
68
BOTH SIDES
80
79
BOTH SIDES
75
79
80
76
73
59
73
76
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
79
53
32
77
33
65
32
81
80
54
69
72
34
66
63
32
ART_1001263307_D_2OF2

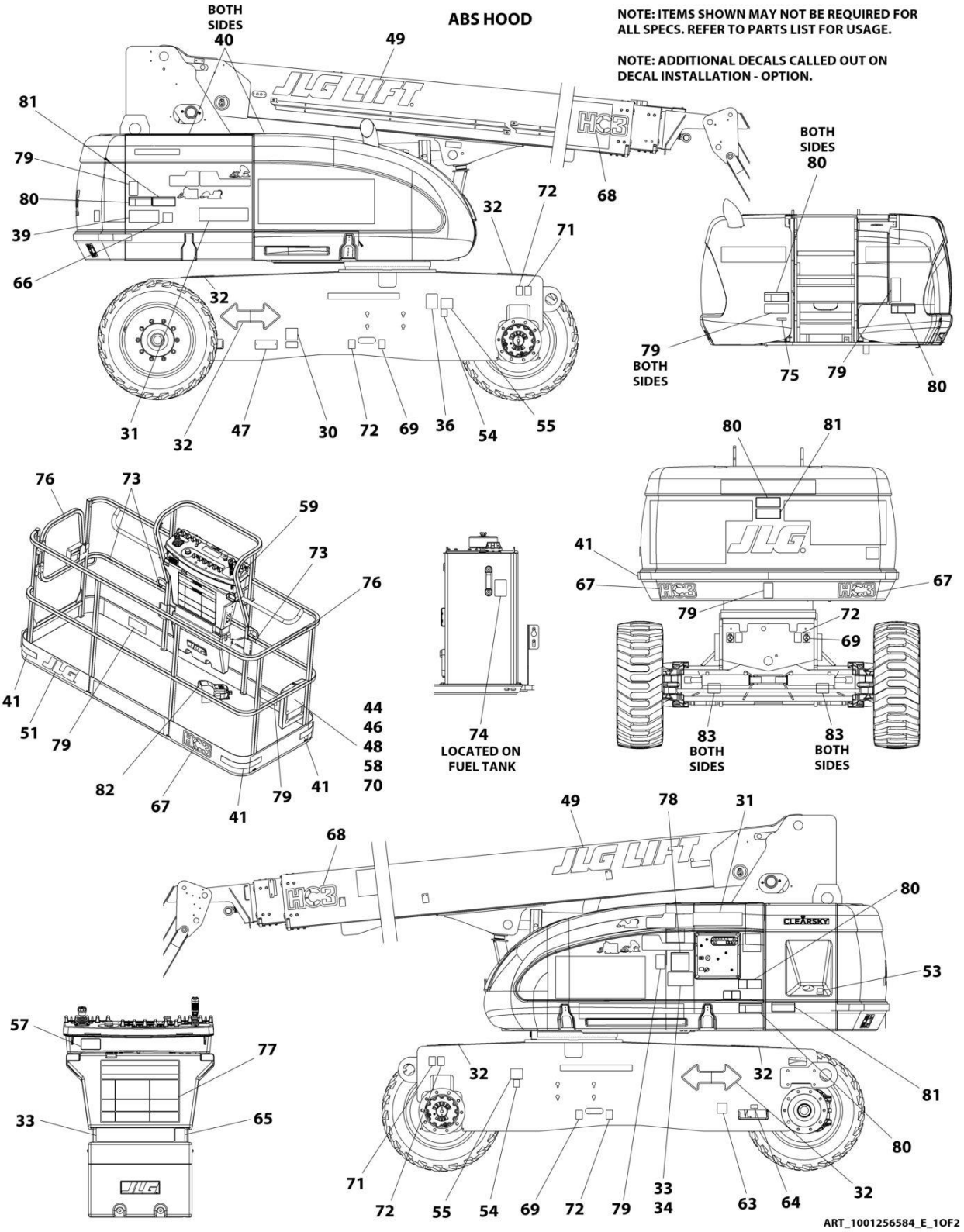
SECTION 9 - DECALS

FIGURE 9-7. DECAL INSTALLATION (CHINESE SPECS) (800S HC3)

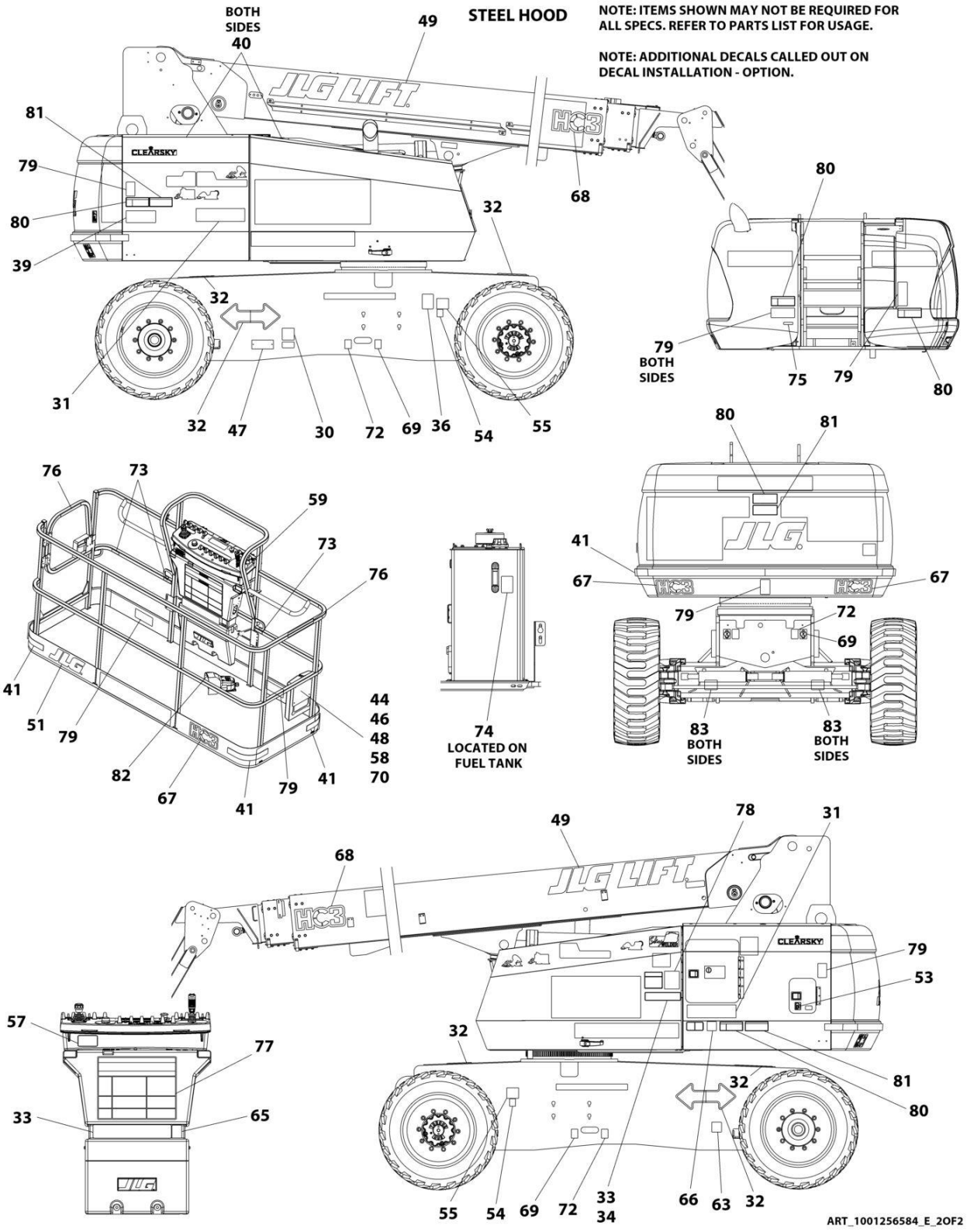
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263307	Ref	DECAL INSTALLATION	D
	1001256837	Ref	REFERENCE CHART	C
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267308	2	Decal - 800S	
32	1701501	4	Decal - Arrow	
33	1001256571	1	Decal - Warning	
34	1001256572	1	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705430	1	Decal - Drive/Steer Instructions	
63	1001224050	1	Decal - Yearly Inspection	
65	1001244301	1	Decal - No Platform to Ground Attachments	
66	1001244298	1	Decal - Wechat	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
75	3251243	1	Nameplate - 120V-60HZ	
76	1001116846	2	Decal - No Hands	
77	1703925	1	Decal - Warning/Danger	
78	1001116849	2	Decal - Warning Inspection (MTB)	
79	1703949	5	Decal - Warning Crushing	
80	1001116851	5	Decal - Danger Electrocution	
81	1703943	7	Decal - Warning Crushing	
82	1703982	1	Decal - Footswitch	
83	1703475	4	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-8. DECAL INSTALLATION (CHINESE SPECS) (860SJ HC3)



ART_1001256584_E_1OF2


BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
55
68
JLG LIFT
HC3
CLEARSKY
80
79
BOTH SIDES
75
79
80
76
73
59
73
76
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
JLG LIFT
HC3
CLEARSKY
79
53
57
77
33
65
32
81
80
55
54
69
72
33
34
66
63
32
ART_1001256584_E_2OF2

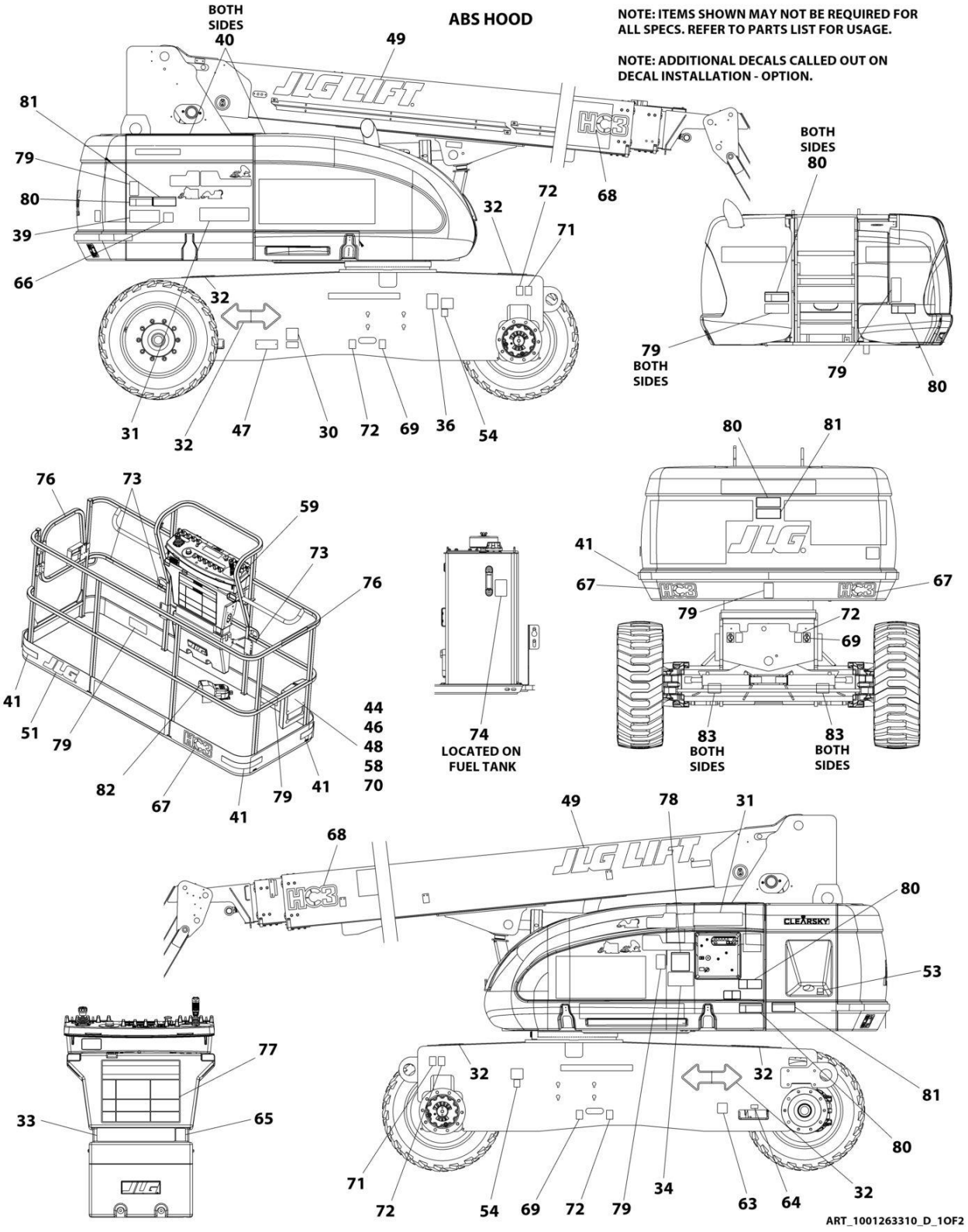
SECTION 9 - DECALS

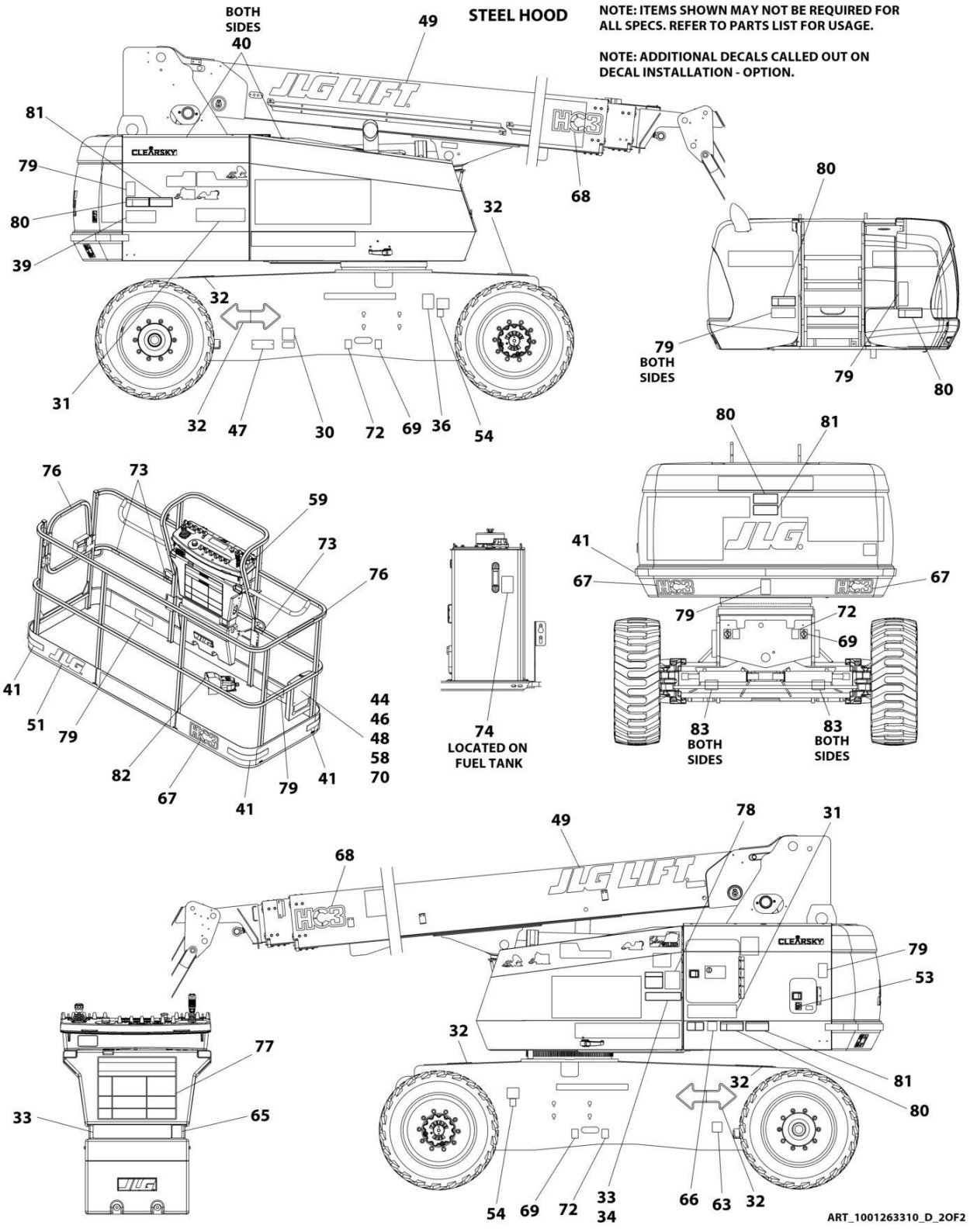
FIGURE 9-8. DECAL INSTALLATION (CHINESE SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256584	Ref	DECAL INSTALLATION	E
	1001256837	Ref	REFERENCE CHART	C
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267309	2	Decal - 860SJ	
32	1701501	4	Decal - Arrow	
33	1001256571	1	Decal - Warning	
34	1001256572	1	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705430	1	Decal - Drive/Steer Instructions	
63	1001224050	1	Decal - Yearly Inspection	
65	1001244301	1	Decal - No Platform to Ground Attachments	
66	1001244298	1	Decal - Wechat	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
75	3251243	1	Nameplate - 120V-60HZ	
76	1001116846	2	Decal - No Hands	
77	1703925	1	Decal - Warning/Danger	
78	1001116849	2	Decal - Warning Inspection (MTB)	
79	1703949	5	Decal - Warning Crushing	
80	1001116851	5	Decal - Danger Electrocution	
81	1703943	7	Decal - Warning Crushing	
82	1703982	1	Decal - Footswitch	
83	1703484	4	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-9. DECAL INSTALLATION (CSA SPECS) (800S HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
68
JLG LIFT
HC3
CLEARSKY
80
79
BOTH SIDES
79
80
76
73
59
73
76
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
JLG LIFT
HC3
CLEARSKY
79
53
32
81
80
77
33
65
54
69
72
33
34
66
63
32
ART_1001263310_D_2OF2

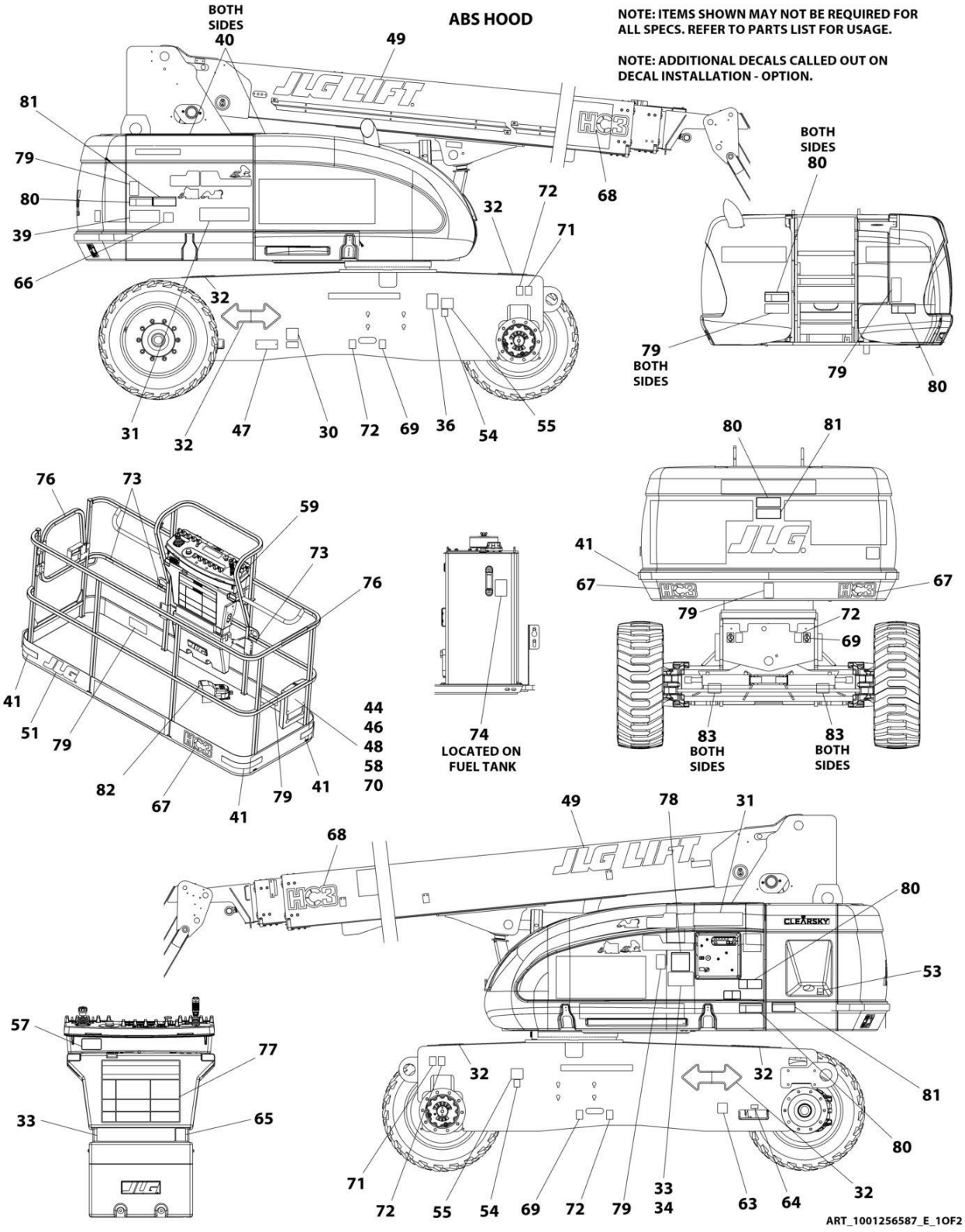
SECTION 9 - DECALS

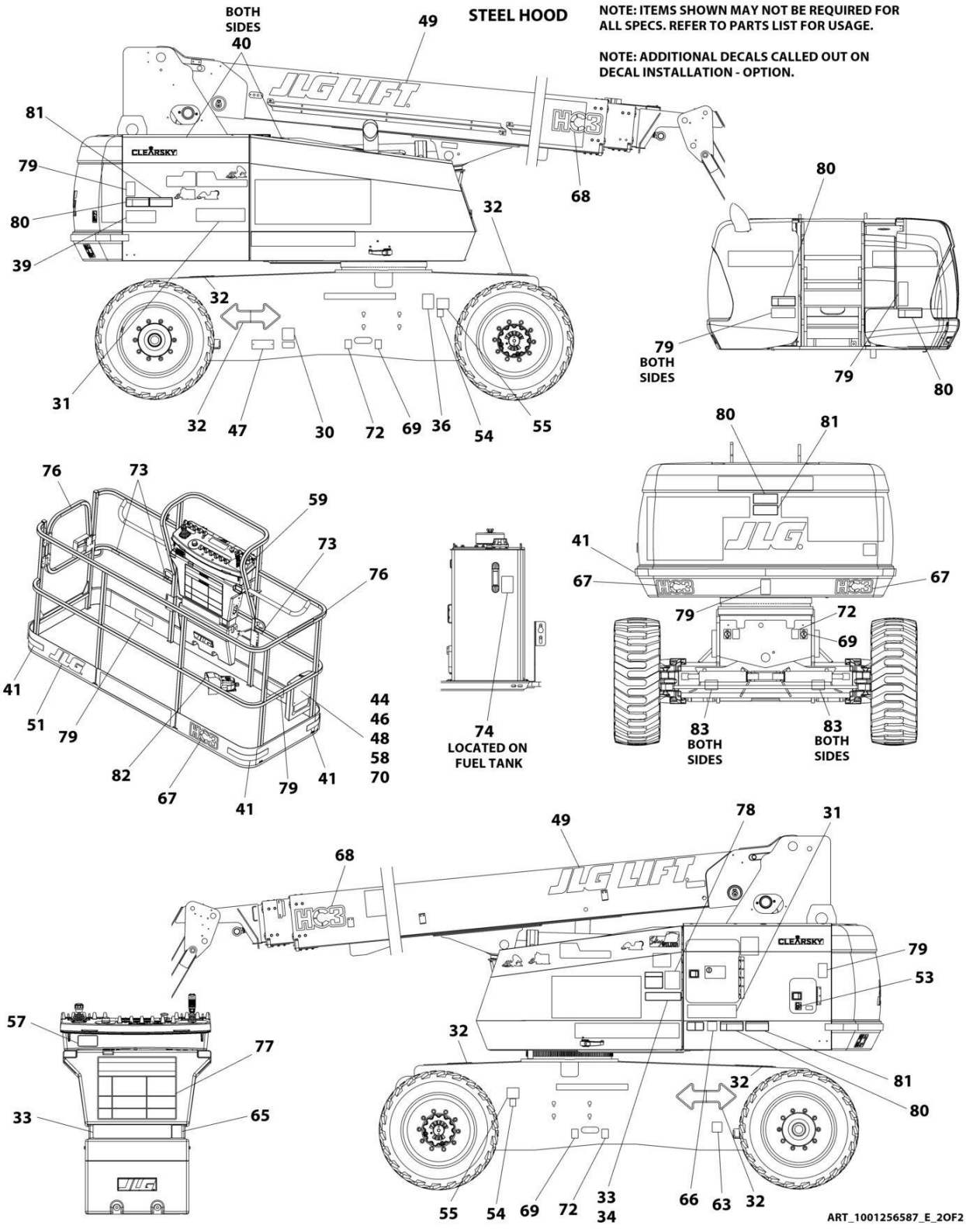
FIGURE 9-9. DECAL INSTALLATION (CSA SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263310	Ref	DECAL INSTALLATION	D
	1001256837	Ref	REFERENCE CHART	C
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267308	2	Decal - 800S	
32	1701501	4	Decal - Arrow	
33	1001256577	1	Decal - Warning	
34	1001256578	1	Decal - Warning	
36	1001131269	1	Decal - Patent	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705429	1	Decal - Drive/Steer Instructions	
63	1001223971	1	Decal - Yearly Inspection	
64	1001223453	1	Decal - ICES	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
76	1704000	2	Decal - No Hands	
77	1703924	1	Decal - Warning/Danger	
78	1705347	1	Decal - Warning Inspection (MTB)	
79	1703948	5	Decal - Warning Crushing	
80	1703936	5	Decal - Danger Electrocution	
81	1703942	7	Decal - Warning Crushing	
82	1703984	1	Decal - Footswitch	
83	1703475	4	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-10. DECAL INSTALLATION (CSA SPECS) (860SJ HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
55
68
JLG LIFT
HC3
CLEARSKY
80
79
BOTH SIDES
79
80
76
73
59
73
76
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
JLG LIFT
HC3
CLEARSKY
79
53
57
77
33
65
32
32
81
80
55
54
69
72
33
34
66
63
32
ART_1001256587_E_2OF2

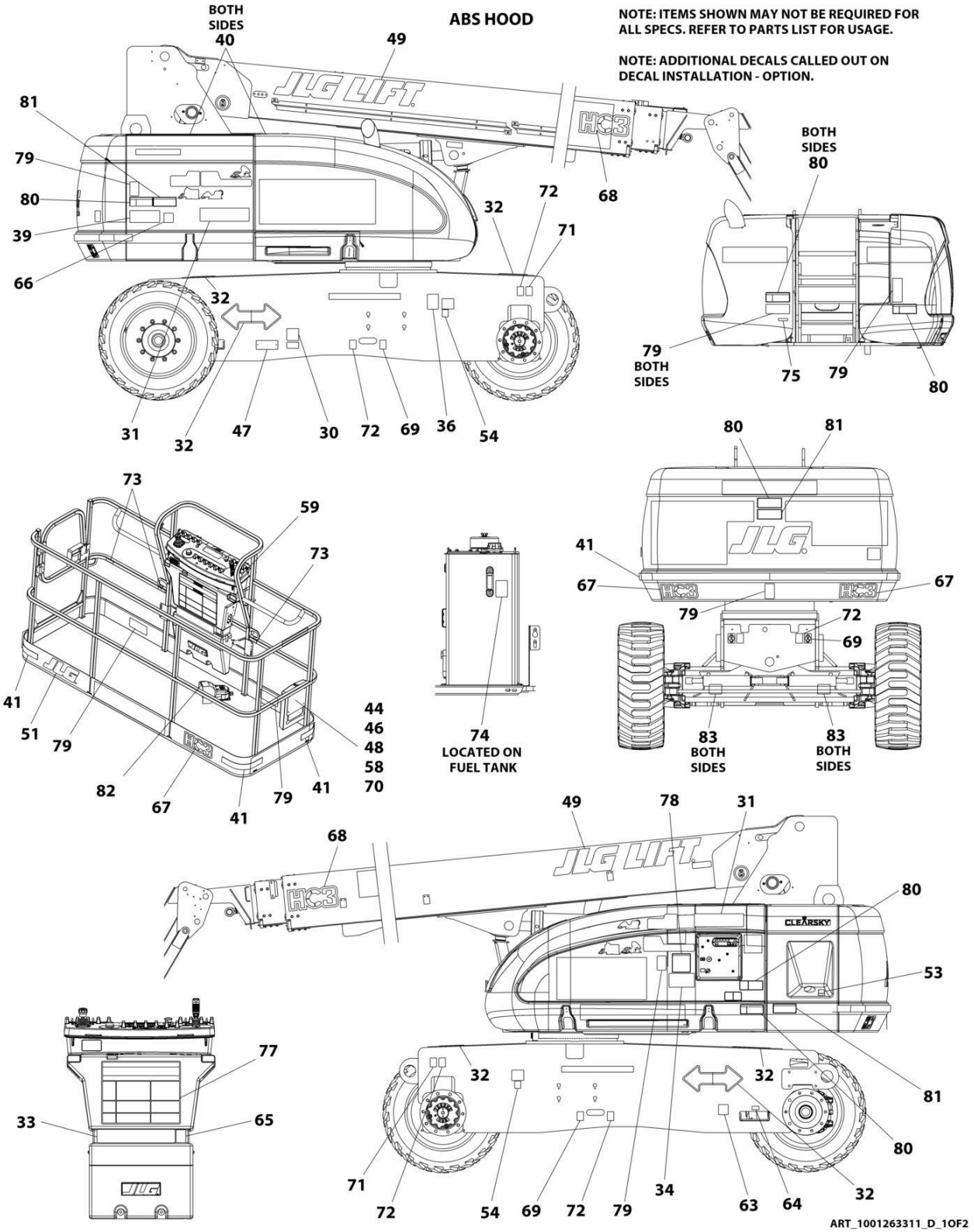
SECTION 9 - DECALS

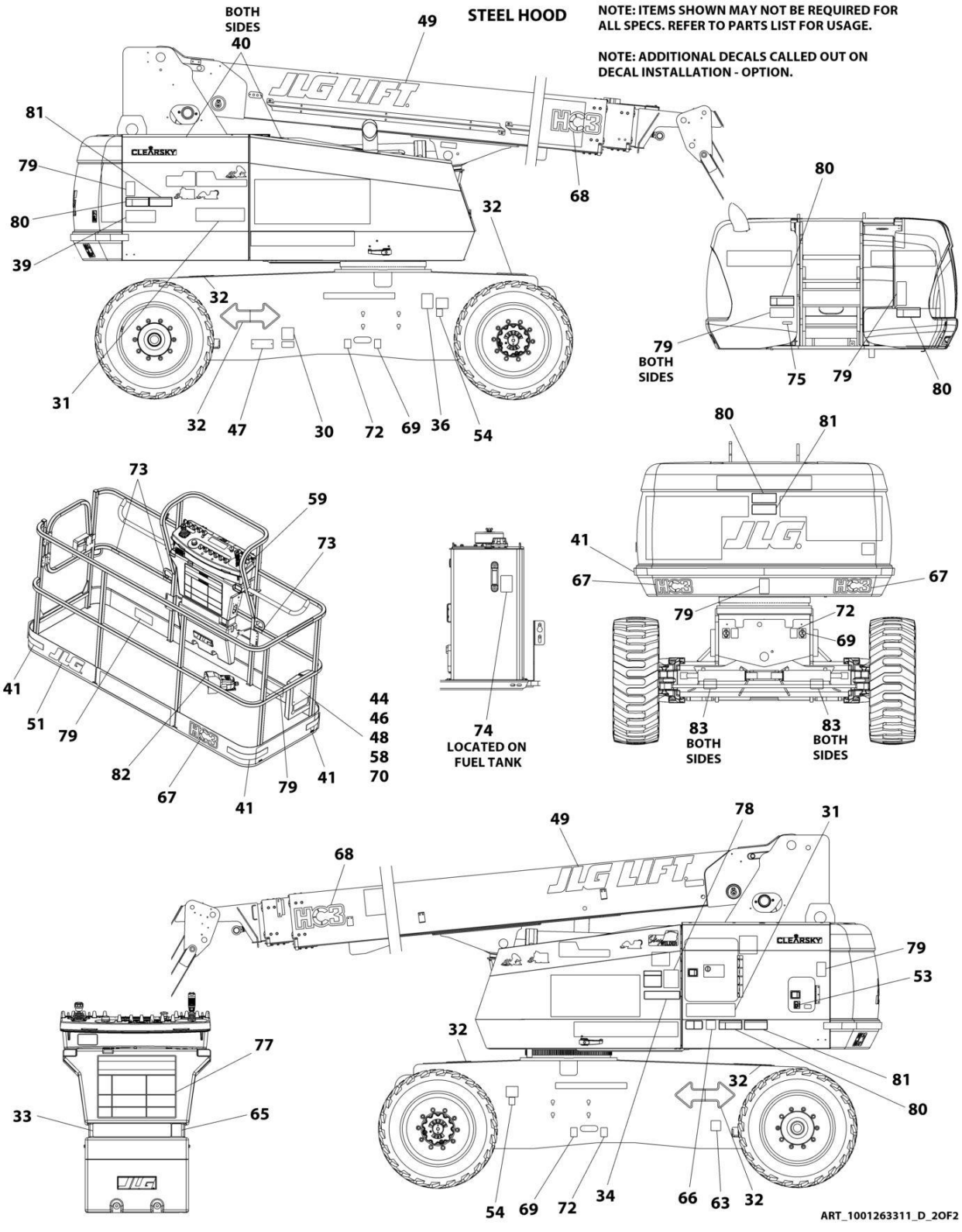
FIGURE 9-10. DECAL INSTALLATION (CSA SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256587	Ref	DECAL INSTALLATION	E
	1001256837	Ref	REFERENCE CHART	C
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267309	2	Decal - 860SJ	
32	1701501	4	Decal - Arrow	
33	1001256577	1	Decal - Warning	
34	1001256578	1	Decal - Warning	
36	1001131269	1	Decal - Patent	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705429	1	Decal - Drive/Steer Instructions	
63	1001223971	1	Decal - Yearly Inspection	
64	1001223453	1	Decal - ICES	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
76	1704000	2	Decal - No Hands	
77	1703924	1	Decal - Warning/Danger	
78	1705347	1	Decal - Warning Inspection (MTB)	
79	1703948	5	Decal - Warning Crushing	
80	1703936	5	Decal - Danger Electrocution	
81	1703942	7	Decal - Warning Crushing	
82	1703984	1	Decal - Footswitch	
83	1703484	4	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-11. DECAL INSTALLATION (JAPANESE SPECS) (800S HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
68
80
79
BOTH SIDES
75
79
80
73
59
73
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
79
53
77
33
65
32
81
80
54
69
72
34
66
63
32
ART_1001263311_D_2OF2

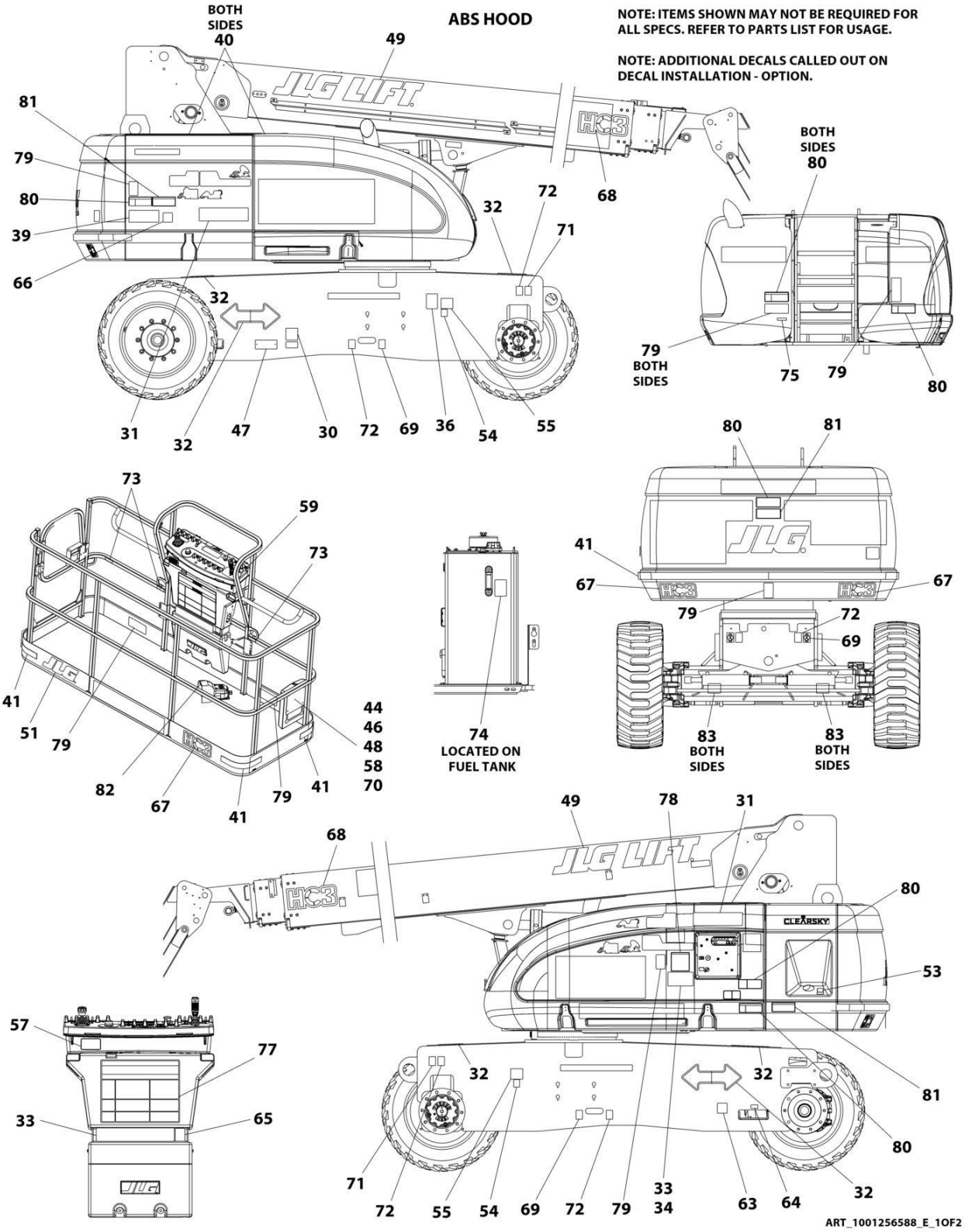
SECTION 9 - DECALS

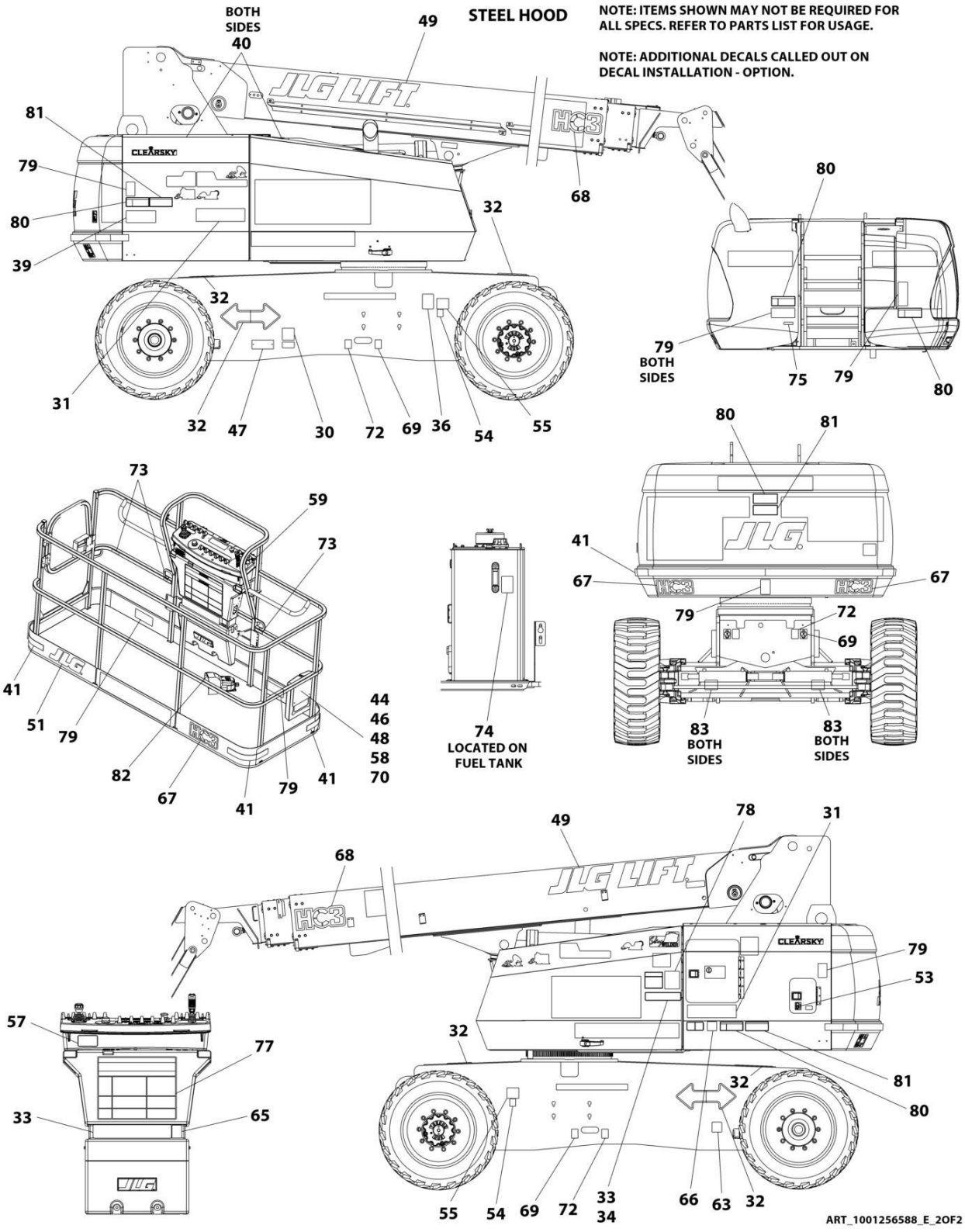
FIGURE 9-11. DECAL INSTALLATION (JAPANESE SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263311	Ref	DECAL INSTALLATION	D
	1001256837	Ref	REFERENCE CHART	C
30	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267308	2	Decal - Model	
32	1701501	4	Decal - Arrow	
33	1001256579	1	Decal - Warning	
34	1001256580	1	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	AR	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705426	1	Decal - Drive/Steer Instructions	
63	1001224053	1	Decal - Yearly Inspection	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
75	3251243	1	Decal - Nameplate	
77	1703926	1	Decal - Warning/Danger	
78	1705344	1	Decal - Warning Inspection	
79	1703950	5	Decal - Warning Crushing	
80	1703938	5	Decal - Danger Electrocution	
81	1703944	7	Decal - Warning Crushing	
82	1703980	1	Decal - Footswitch	
83	1703484	1	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-12. DECAL INSTALLATION (JAPANESE SPECS) (860SJ HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
55
68
JLG LIFT
HC3
CLEARSKY
80
79
BOTH SIDES
75
79
80
73
59
73
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
JLG LIFT
HC3
CLEARSKY
79
53
57
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33
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80
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ART_1001256588_E_2OF2

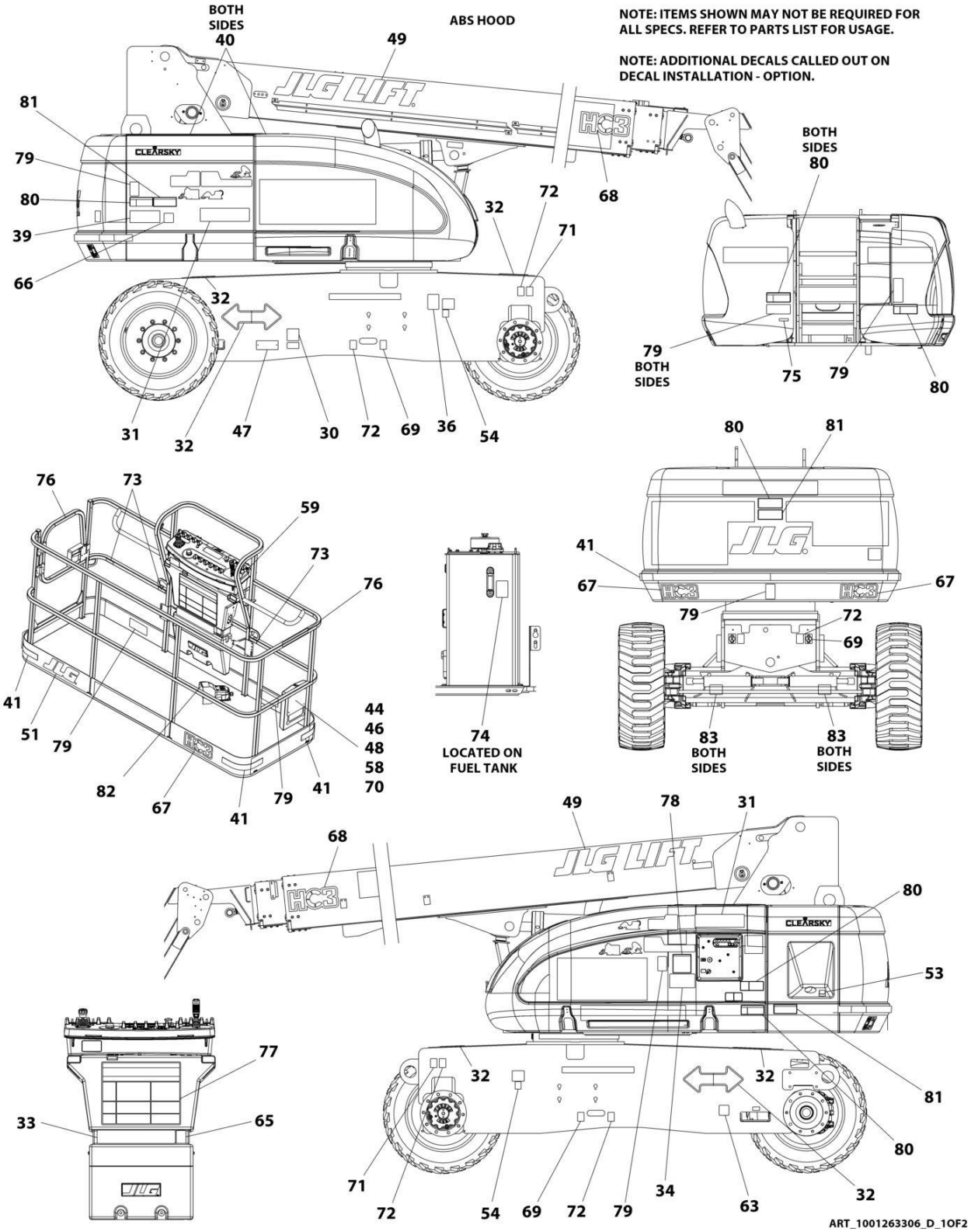
SECTION 9 - DECALS

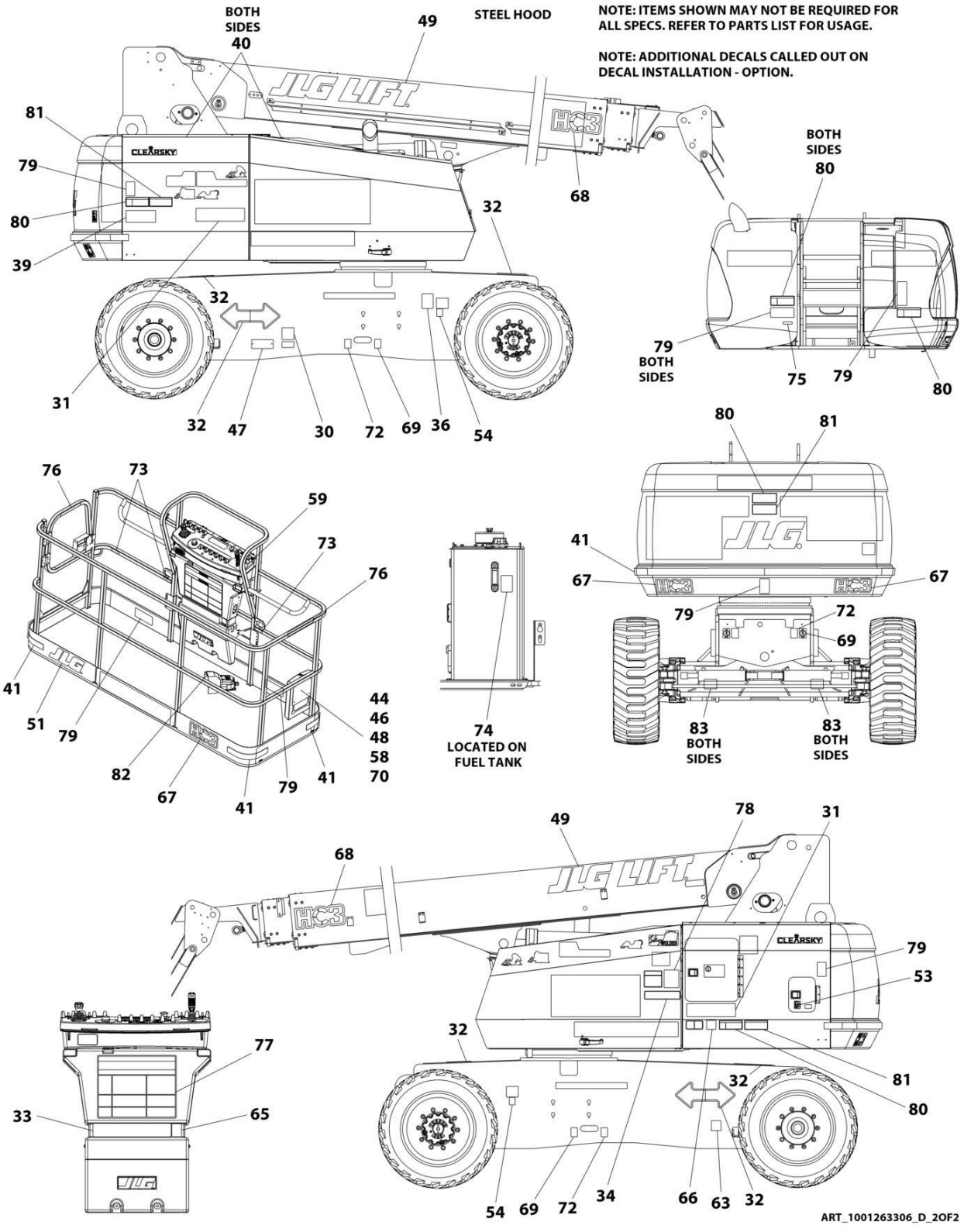
FIGURE 9-12. DECAL INSTALLATION (JAPANESE SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256588	Ref	DECAL INSTALLATION	E
	1001256837	Ref	REFERENCE CHART	C
30	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267309	2	Decal - 860SJ	
32	1701501	4	Decal - Arrow	
33	1001256579	1	Decal - Warning	
34	1001256580	1	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
39	1001175354	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	AR	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705426	1	Decal - Drive/Steer Instructions	
63	1001224053	1	Decal - Yearly Inspection	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
75	3251243	1	Decal - Nameplate	
77	1703926	1	Decal - Warning/Danger	
78	1705344	1	Decal - Warning Inspection	
79	1703950	5	Decal - Warning Crushing	
80	1703938	5	Decal - Danger Electrocution	
81	1703944	7	Decal - Warning Crushing	
82	1703980	1	Decal - Footswitch	
83	1703484	1	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-13. DECAL INSTALLATION (KOREAN SPECS) (800S HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
68
BOTH SIDES
80
79
BOTH SIDES
75
79
80
76
73
59
73
76
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
79
53
77
33
65
32
81
80
54
69
72
34
66
63
32
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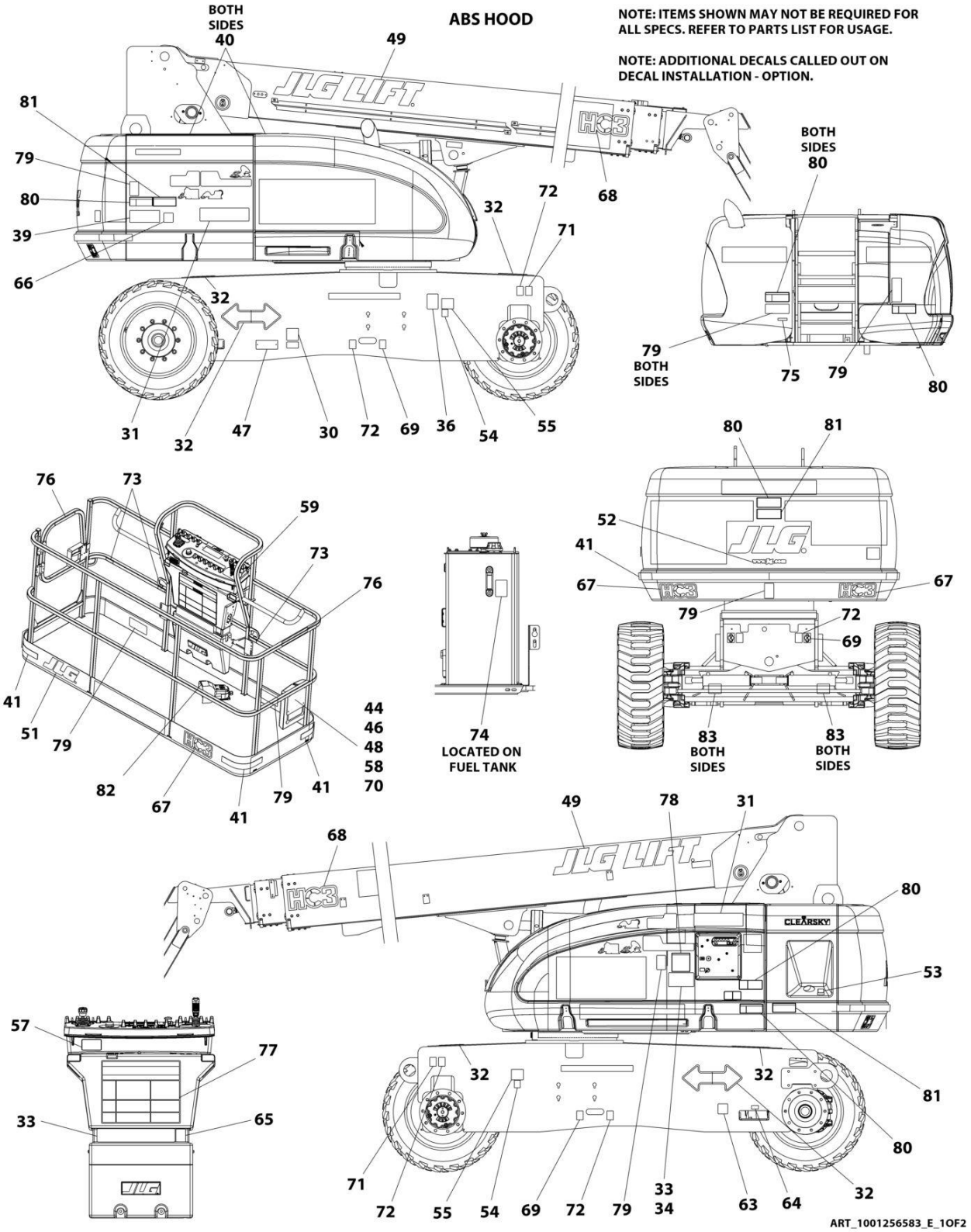
SECTION 9 - DECALS

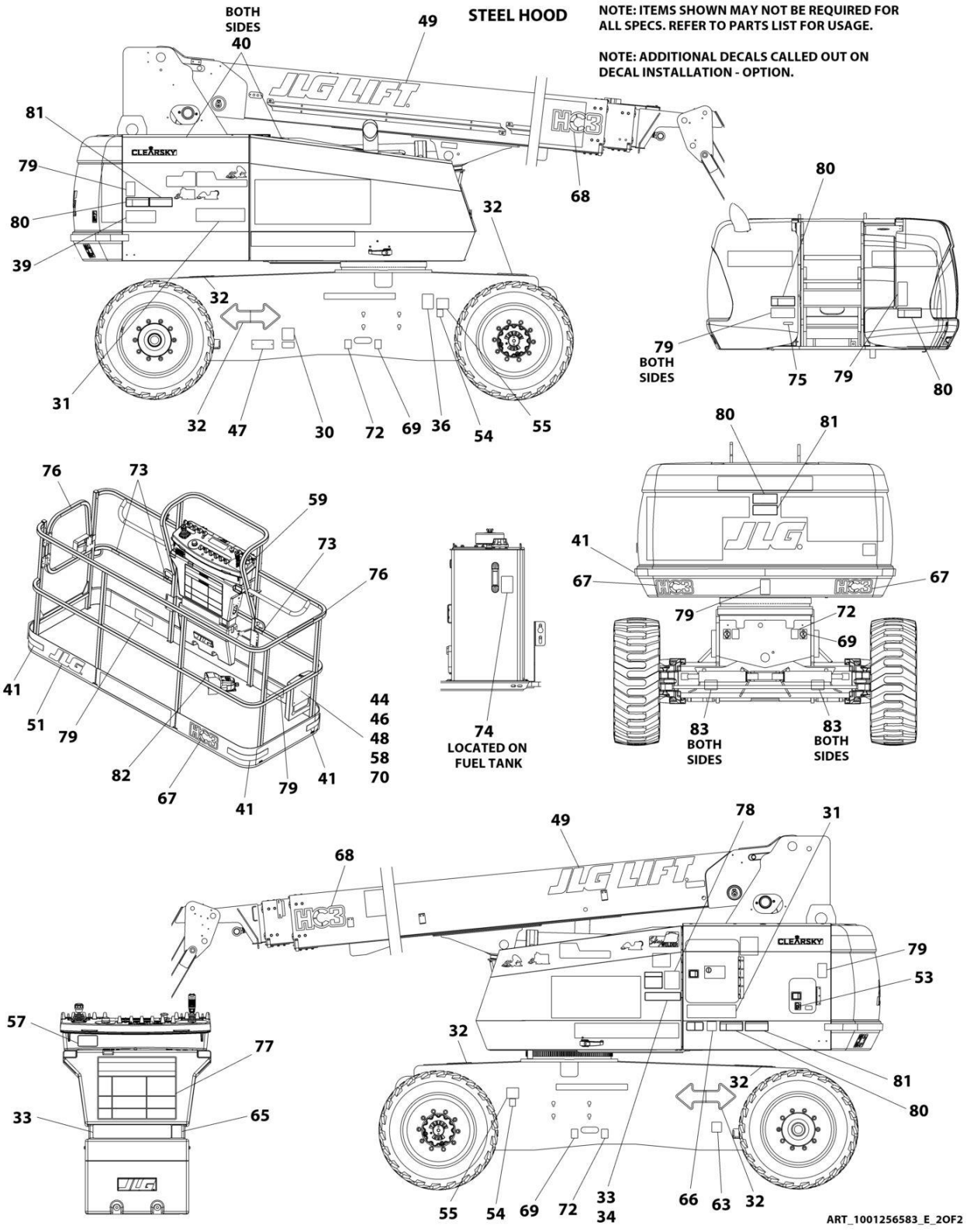
FIGURE 9-13. DECAL INSTALLATION (KOREAN SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263306	Ref	DECAL INSTALLATION	D
	1001256837	Ref	REFERENCE CHART	C
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267308	2	Decal - Model	
32	1701501	4	Decal - Arrow	
33	1001256569	1	Decal - Warning	
34	1001256570	1	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705427	1	Decal - Drive/Steer Instructions	
63	1001224048	1	Decal - Yearly Inspection	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
75	3251243	1	Nameplate - 120V-60HZ	
76	1705969	2	Decal - No Hands	
77	1703927	1	Decal - Warning/Danger	
78	1705345	1	Decal - Warning Inspection (MTB)	
79	1703951	5	Decal - Warning Crushing	
80	1703939	5	Decal - Danger Electrocution	
81	1703945	7	Decal - Warning Crushing	
82	1703981	1	Decal - Footswitch	
83	1703475	4	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-14. DECAL INSTALLATION (KOREAN SPECS) (860SJ HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
55
68
JLG LIFT
HC3
CLEARSKY
80
79
BOTH SIDES
75
79
80
76
73
59
73
76
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
JLG LIFT
HC3
CLEARSKY
79
53
57
77
33
65
32
81
80
55
54
69
72
33
34
66
63
32
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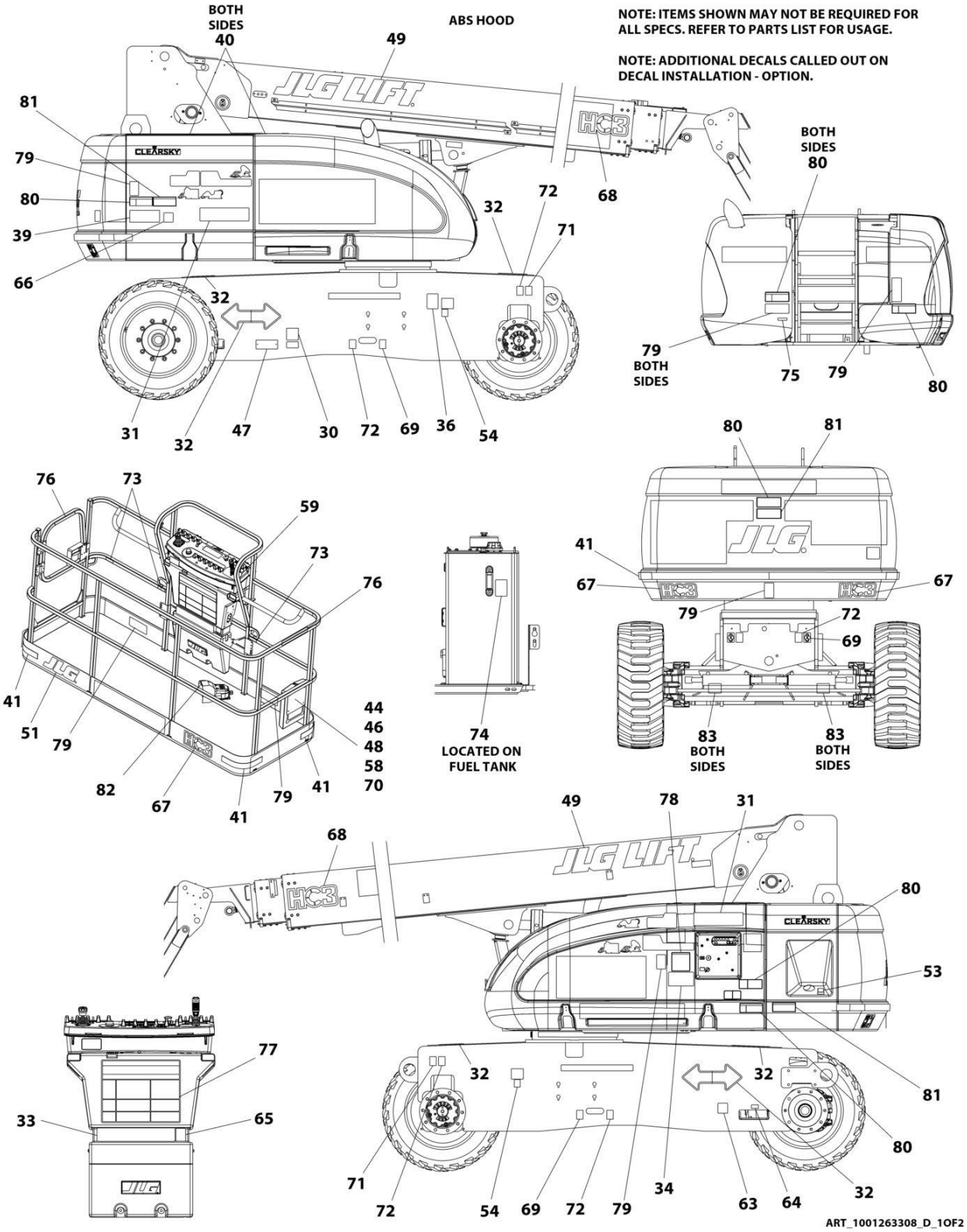
SECTION 9 - DECALS

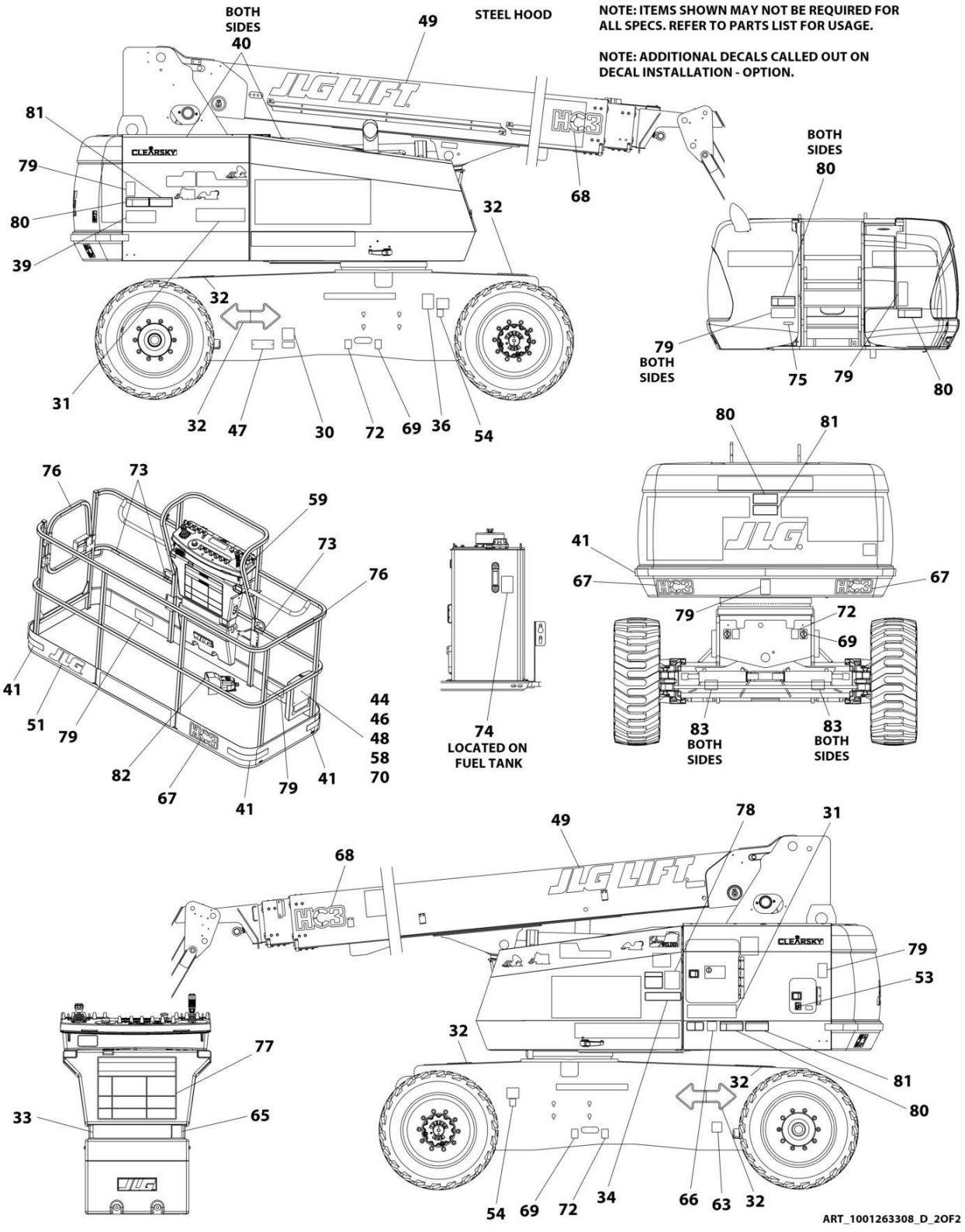
FIGURE 9-14. DECAL INSTALLATION (KOREAN SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256583	Ref	DECAL INSTALLATION	E
	1001256837	Ref	REFERENCE CHART	C
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267309	2	Decal - 860SJ	
32	1701501	4	Decal - Arrow	
33	1001256569	1	Decal - Warning	
34	1001256570	1	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705427	1	Decal - Drive/Steer Instructions	
63	1001224048	1	Decal - Yearly Inspection	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
75	3251243	1	Nameplate - 120V-60HZ	
76	1705969	2	Decal - No Hands	
77	1703927	1	Decal - Warning/Danger	
78	1705345	1	Decal - Warning Inspection (MTB)	
79	1703951	5	Decal - Warning Crushing	
80	1703939	5	Decal - Danger Electrocution	
81	1703945	7	Decal - Warning Crushing	
82	1703981	1	Decal - Footswitch	
83	1703482	4	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-15. DECAL INSTALLATION (LATIN AMERICAN SPECS) (800S HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
68
BOTH SIDES
80
79
BOTH SIDES
75
79
80
76
73
59
73
76
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
79
53
77
33
65
32
81
80
54
69
72
34
66
63
32
ART_1001263308_D_2OF2

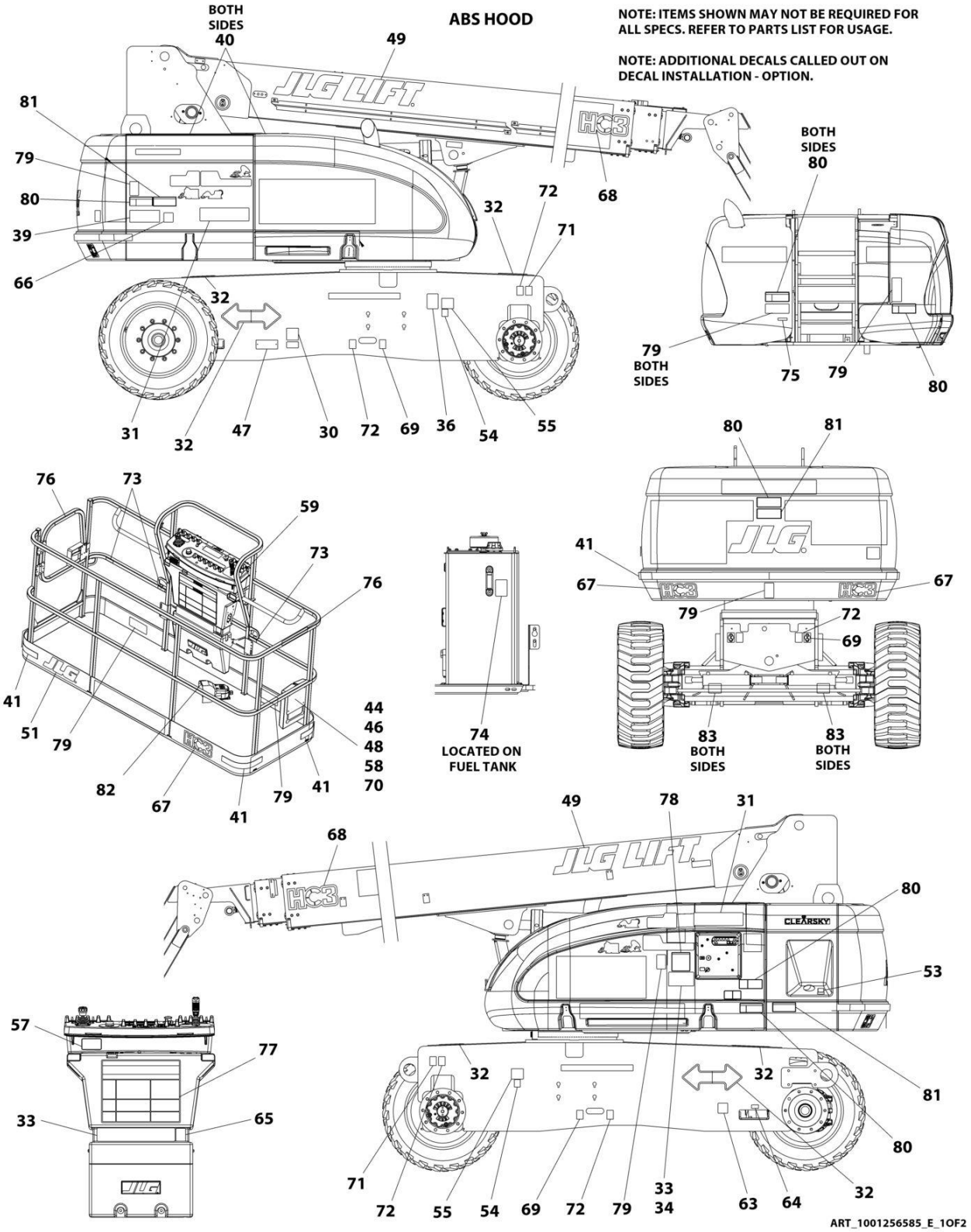
SECTION 9 - DECALS

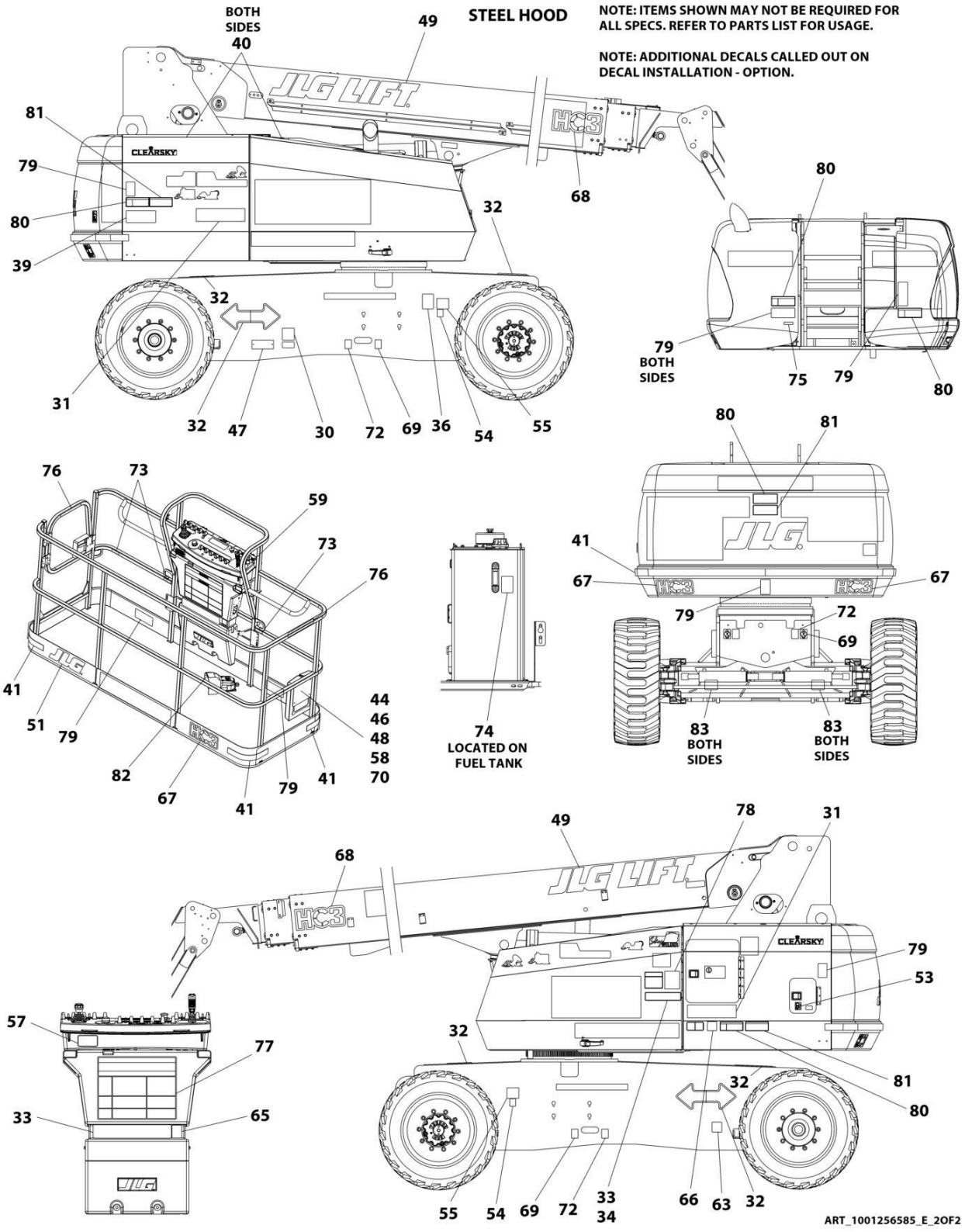
FIGURE 9-15. DECAL INSTALLATION (LATIN AMERICAN SPECS) (800S HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263308	Ref	DECAL INSTALLATION	D
	1001256837	Ref	REFERENCE CHART	C
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267308	2	Decal - 800S	
32	1701501	4	Decal - Arrow	
33	1001256573	1	Decal - Warning	
34	1001256574	1	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705910	1	Decal - Drive/Steer Instructions	
63	1001224049	1	Decal - Yearly Inspection	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
75	3251243	1	Nameplate - 120V-60HZ	
76	1704001	2	Decal - No Hands	
77	1703923	1	Decal - Warning/Danger	
78	1705917	1	Decal - Warning Inspection (MTB)	
79	1703947	5	Decal - Warning Crushing	
80	1703935	5	Decal - Danger Electrocution	
81	1703941	7	Decal - Warning Crushing	
82	1703983	1	Decal - Footswitch	
83	1703475	4	Decal - Max Tire Load	

SECTION 9 - DECALS

FIGURE 9-16. DECAL INSTALLATION (LATIN AMERICAN SPECS) (860SJ HC3)




BOTH SIDES
40
49
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
NOTE: ADDITIONAL DECALS CALLED OUT ON DECAL INSTALLATION - OPTION.
81
79
80
39
31
32
47
30
72
69
36
54
55
68
JLG LIFT
HC3
CLEARSKY
80
79
BOTH SIDES
75
79
80
76
73
59
73
76
41
51
79
82
67
41
79
41
44
46
48
58
70
74
LOCATED ON FUEL TANK
80
81
41
67
67
79
72
69
83
BOTH SIDES
83
BOTH SIDES
49
78
31
68
JLG LIFT
HC3
CLEARSKY
79
53
57
77
33
65
32
81
80
55
54
69
72
33
34
66
63
32
ART_1001256585_E_2OF2

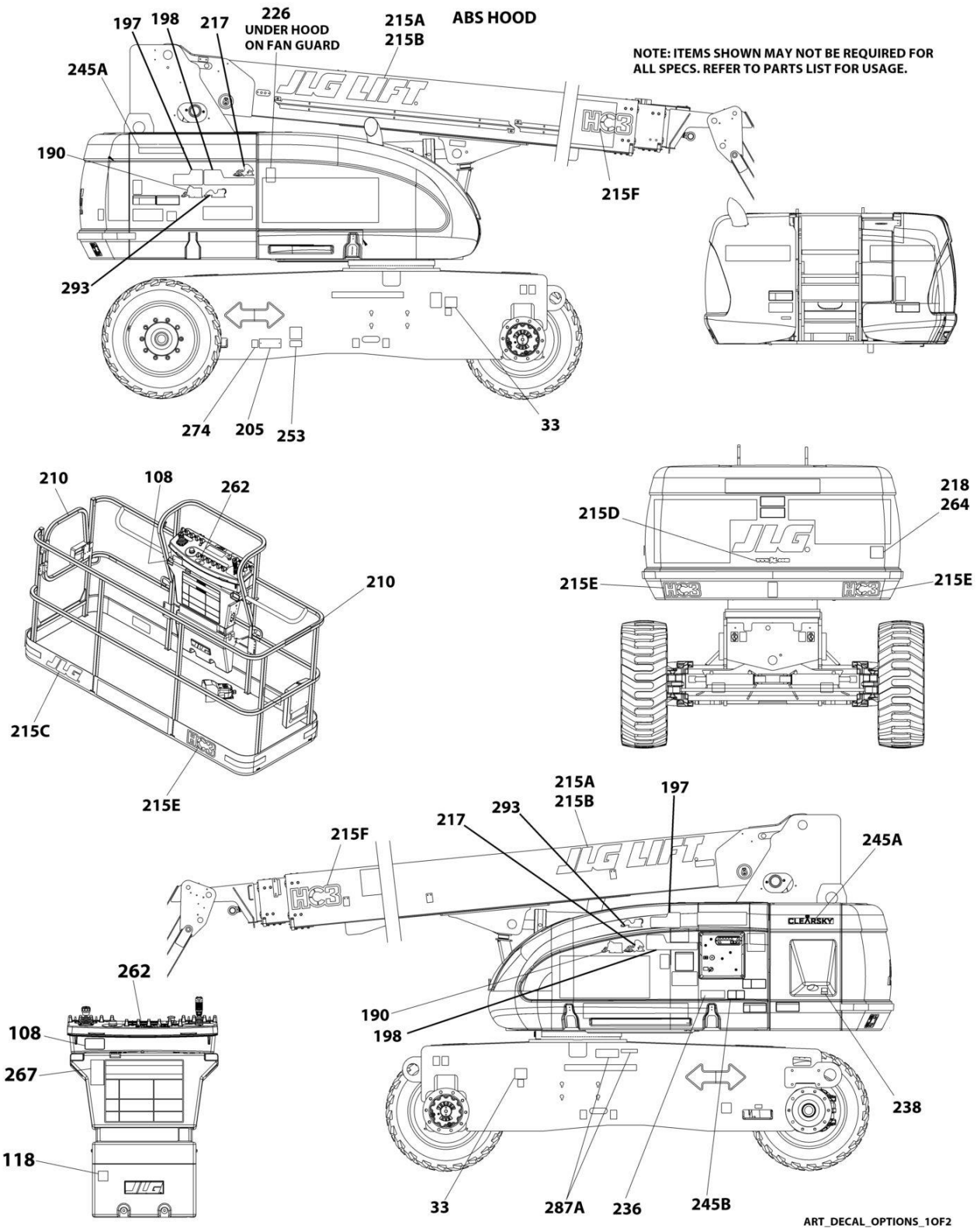
SECTION 9 - DECALS

FIGURE 9-16. DECAL INSTALLATION (LATIN AMERICAN SPECS) (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256585	Ref	DECAL INSTALLATION	E
	1001256837	Ref	REFERENCE CHART	C
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1001267309	2	Decal - Model	
31	1704907	2	Decal - Model	
32	1701501	4	Decal - Arrow	
33	1001256573	1	Decal - Warning	
34	1001256574	1	Decal - Warning	
39	1001270286	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705910	1	Decal - Drive/Steer Instructions	
63	1001224049	1	Decal - Yearly Inspection	
69	1701499	4	Decal - No Lift	
70	1701509	1	Decal - Manual	
71	1703811	4	Decal - Tie Down/Lift	
72	1703814	6	Decal - Tie Down	
73	1704277	4	Decal - Attach Lanyard Here	
74	1704412	1	Decal - Hydraulic Oil Chart	
75	3251243	1	Nameplate - 120V-60HZ	
76	1704001	2	Decal - No Hands	
77	1703923	1	Decal - Warning/Danger	
78	1705917	1	Decal - Warning Inspection (MTB)	
79	1703947	5	Decal - Warning Crushing	
80	1703935	5	Decal - Danger Electrocution	
81	1703941	7	Decal - Warning Crushing	
82	1703983	1	Decal - Footswitch	
83	1703484	4	Decal - Max Tire Load	

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FIGURE 9-17. DECAL INSTALLATION - OPTIONS



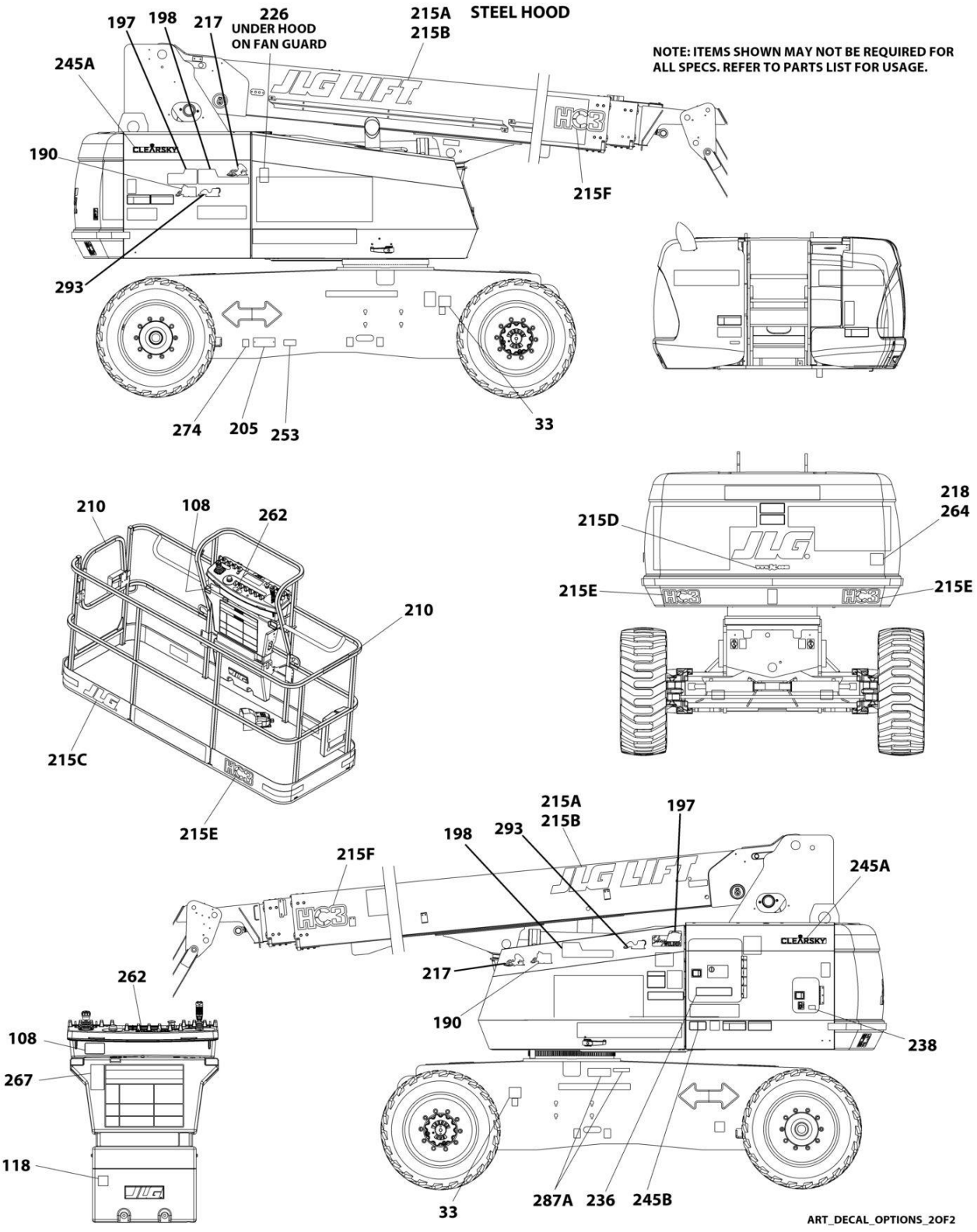

197
198
217
226
UNDER HOOD
ON FAN GUARD
215A
215B
STEEL HOOD
NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PARTS LIST FOR USAGE.
245A
190
215F
293
274
205
253
33
210
108
262
215C
215E
218
264
215D
215E
215E
215A
215B
197
198
293
215F
245A
217
190
238
262
108
267
118
287A
236
245B
33
ART_DECAL_OPTIONS_2OF2

FIGURE 9-17. DECAL INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DECAL INSTALLATION - OPTIONS	
33	1700818	2	Decal - Fuel (LP Gas Machines) (English Language) (ANSI and Australian Specs)	
33	1704271	2	Decal - Fuel (LP Gas Machines) (English/French Languages) (CSA Specs)	
33	1702720	2	Decal - Fuel (LP Gas Machines) (English/Spanish Languages) (ANSI Export Specs)	
108	1001231801	1	Decal - Warning Proposition 65 (ANSI Specs)	
118	0257195	Ref	Decal - Government Warranty Installation (ANSI Spec)	
118	1703179	1	Decal - Government Warranty	
190A	1001262102	1	Decal - SkyGlazier Capacity (English Language) (ANSI & CSA Specs)	
190B	1001262103	1	Decal - SkyGlazier Capacity (Spanish Language)	
190C	1001262104	1	Decal - SkyGlazier Capacity (Portuguese Language)	
190L	1001262105	1	Decal - SkyGlazier Capacity (English Language) (Australian Spec)	
205	See Note	1	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
210	1702868	2	Decal - No Hands (English Language)	
210	1001218850	2	Decal - No Hands (CE & UK CA)	
210	1001116846	2	Decal - No Hands (English/Chinese Language)	
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	1001256838	Ref	Decal - Logo Installation (All Specs Except CE & UK CA Specs)	
215A	1702861	2	Decal - JLG Lift (All Specs Except CE & UK CA Specs)	
215B	1001159323	2	Decal - JLG (CE & UK CA Specs)	
215C	1702773	1	Decal - JLG	
215D	1704885	1	Decal - Website	
215E	1001244212	3	Decal - HC3	
215F	1001256906	2	Decal - HC3	
218	3251813	1	Decal - USA	
226	1704972	1	Decal - Warning Explosion/ Fire (English Language) (Diesel Machines) (ANSI, AND CSA Specs)	
226	1706098	1	Decal - Warning Explosion/Fire (English Language) (Diesel Machines) (Australian, Russian, 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) (Chinese Specs)	
226	1706064	1	Decal - Warning Explosion/Fire (English Language) (Diesel Machines) (CSA Specs)	
226	1706062	1	Decal - Warning Explosion/Fire (English/Japanes 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 & CSA Specs)	
238	1001139654	1	Decal - Ultra Low Sulfur Fuel (Diesel Machines) (ANSI Export (HRC), CE, Japanese, China & UK CA Specs)	
245	1001120993	Ref	Decal Installation - ClearSky (Machines with ClearSky Option)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
245A	1001116208	2	Decal - ClearSky	
245B	1001120989	1	Decal - Radio Frequency	
253	1001143852	1	Decal - Emission Compliance (Diesel Machines) (ANSI Export (LRC), Australian, CE, Chinese & 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, Russian & UK CA Specs)	
264	1705980	1	Decal - Sound Power (106dB) (Machines with Deutz D2011 Engines) (Australian, Russian, CE & UK CA Specs)	
264	1001191525	1	Decal - Sound Power (108dB) (Machines with Deutz TD2.9L4 and Deutz 2.9L4 (Stage V) Engines with Steel Hoods) (CE & UK CA Specs)	
264	1705368	1	Decal - Sound Power (112dB) (Machines with Deutz TD2.9L4 and Deutz 2.9L4 (Stage V) Engines with ABS Hoods) (CE & UK CA Specs)	
264	1001200072	1	Decal - Sound Power (113dB) (Machines with Deutz TD2.9L4 and Deutz 2.9L4 (Stage V) Engines with Steel Hoods) (CE & UK CA Specs)	
267	1001200131	1	Decal - Quick Start Guide (Danish Language)	
267	1001200129	1	Decal - Quick Start Guide (Dutch Language)	
267	1001181145	1	Decal - Quick Start Guide (English Language)	
267	1001200128	1	Decal - Quick Start Guide (French Language)	
267	1001200130	1	Decal - Quick Start Guide (German Language)	
267	1001200134	1	Decal - Quick Start Guide (Norwegian Language)	
267	1001200132	1	Decal - Quick Start Guide (Swedish Language)	
267	1001200133	1	Decal - Quick Start Guide (Spanish Language)	
274	1001214030	1	Decal Installation - EAC (Russian/CIS Specs)	
287A	1001236400	1	Decal - ECO Label	

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FIGURE 9-18. SKYCUTTER DECAL INSTALLATION (ANSI, ANSI EXPORT & CSA SPECS)

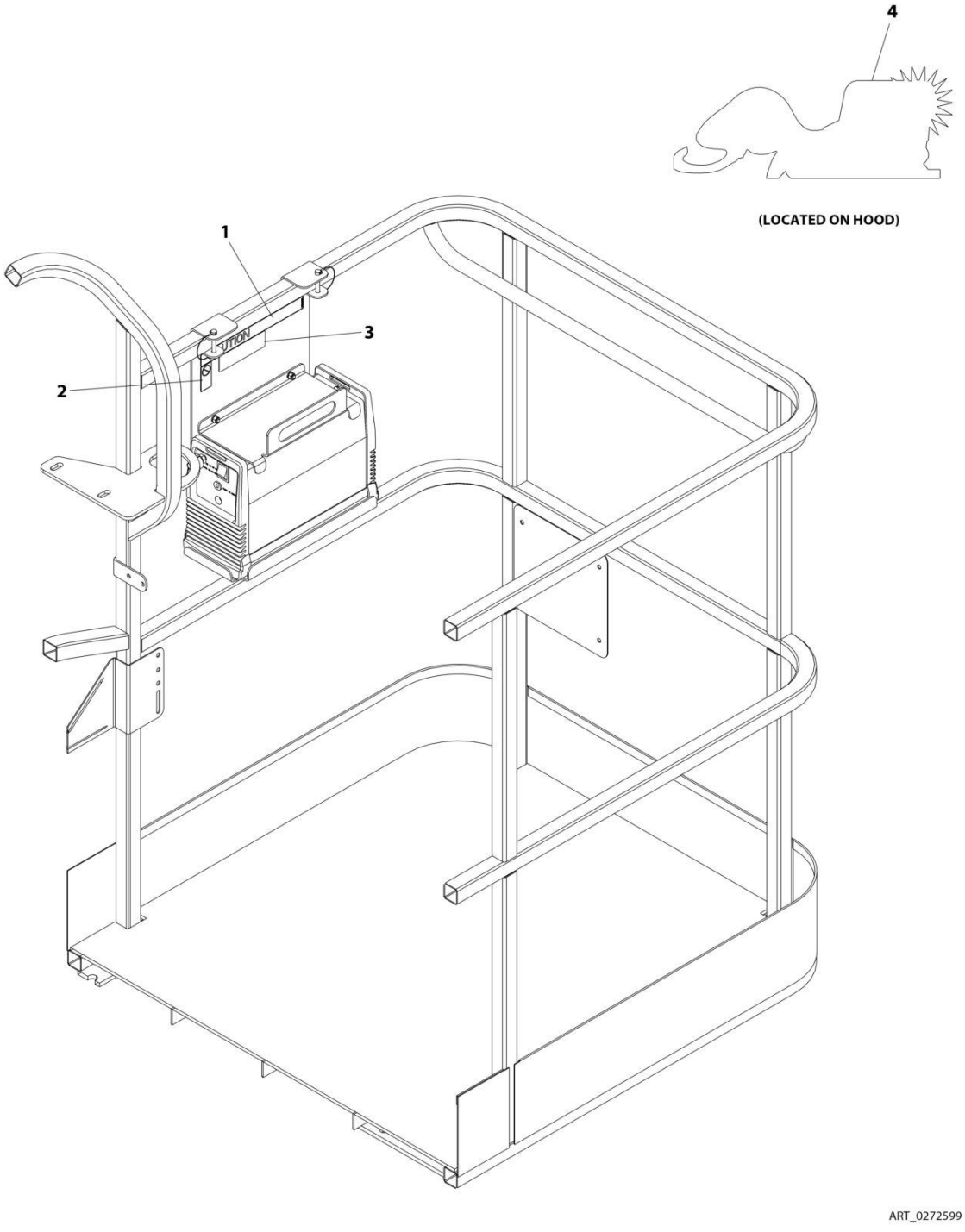


FIGURE 9-18. SKYCUTTER DECAL INSTALLATION (ANSI, ANSI EXPORT & CSA SPECS)

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 9-19. SKYCUTTER DECAL INSTALLATION (JAPANESE SPECS)

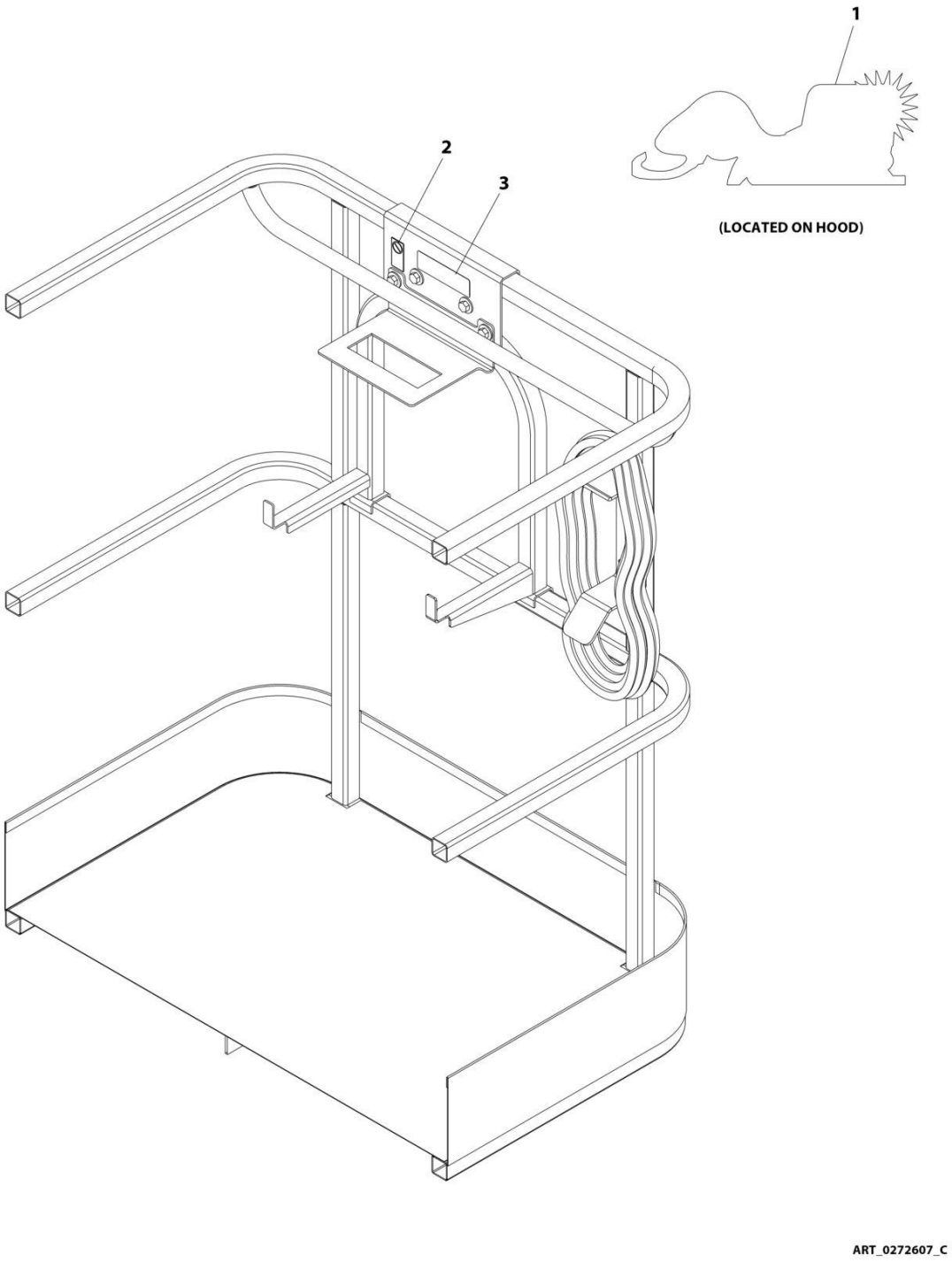


FIGURE 9-19. SKYCUTTER DECAL INSTALLATION (JAPANESE SPECS)

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 9-20. SKYWELDER DECAL INSTALLATION - 50HZ

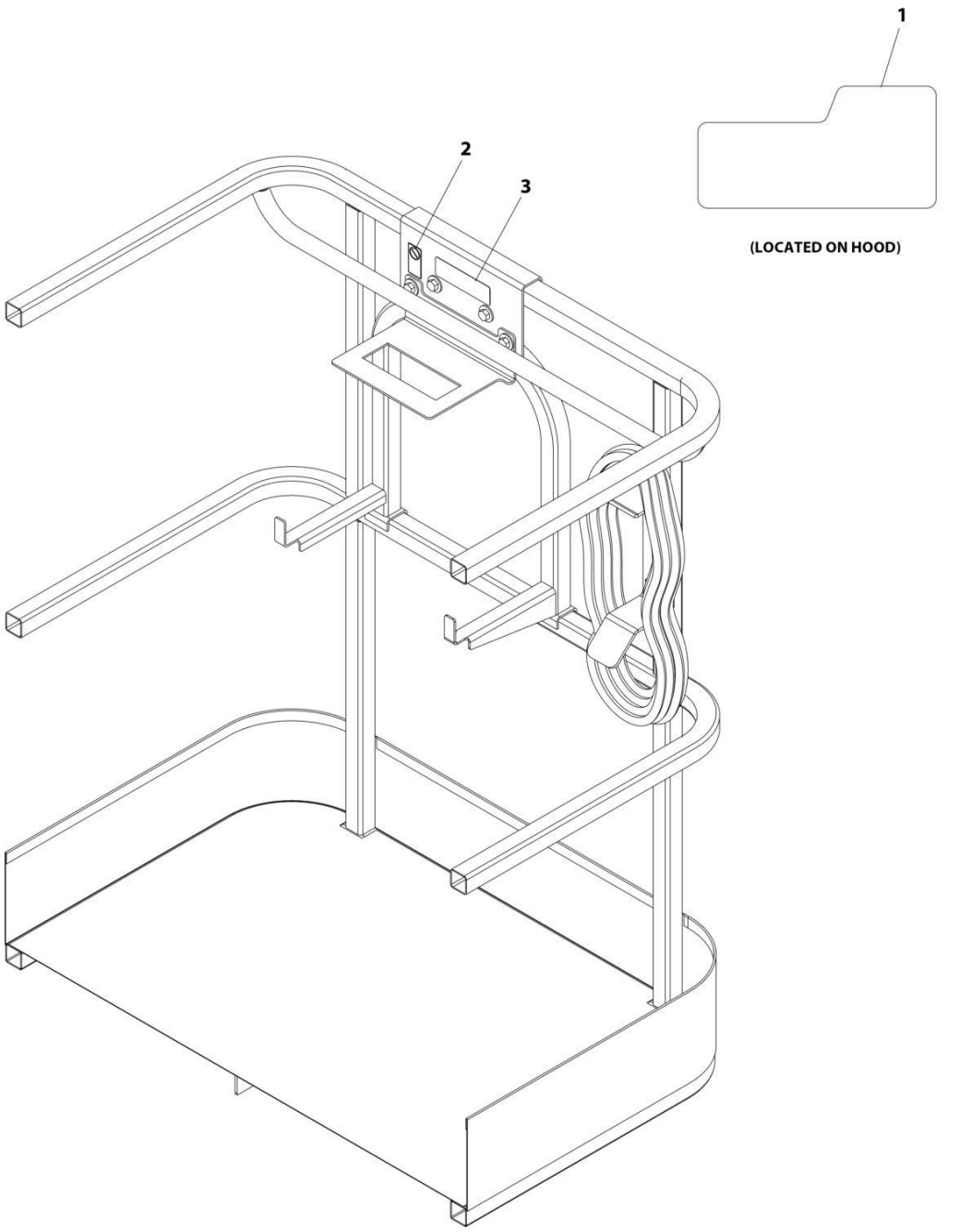


FIGURE 9-20. SKYWELDER DECAL INSTALLATION - 50HZ

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 9-21. SKYWELDER DECAL INSTALLATION - 60HZ

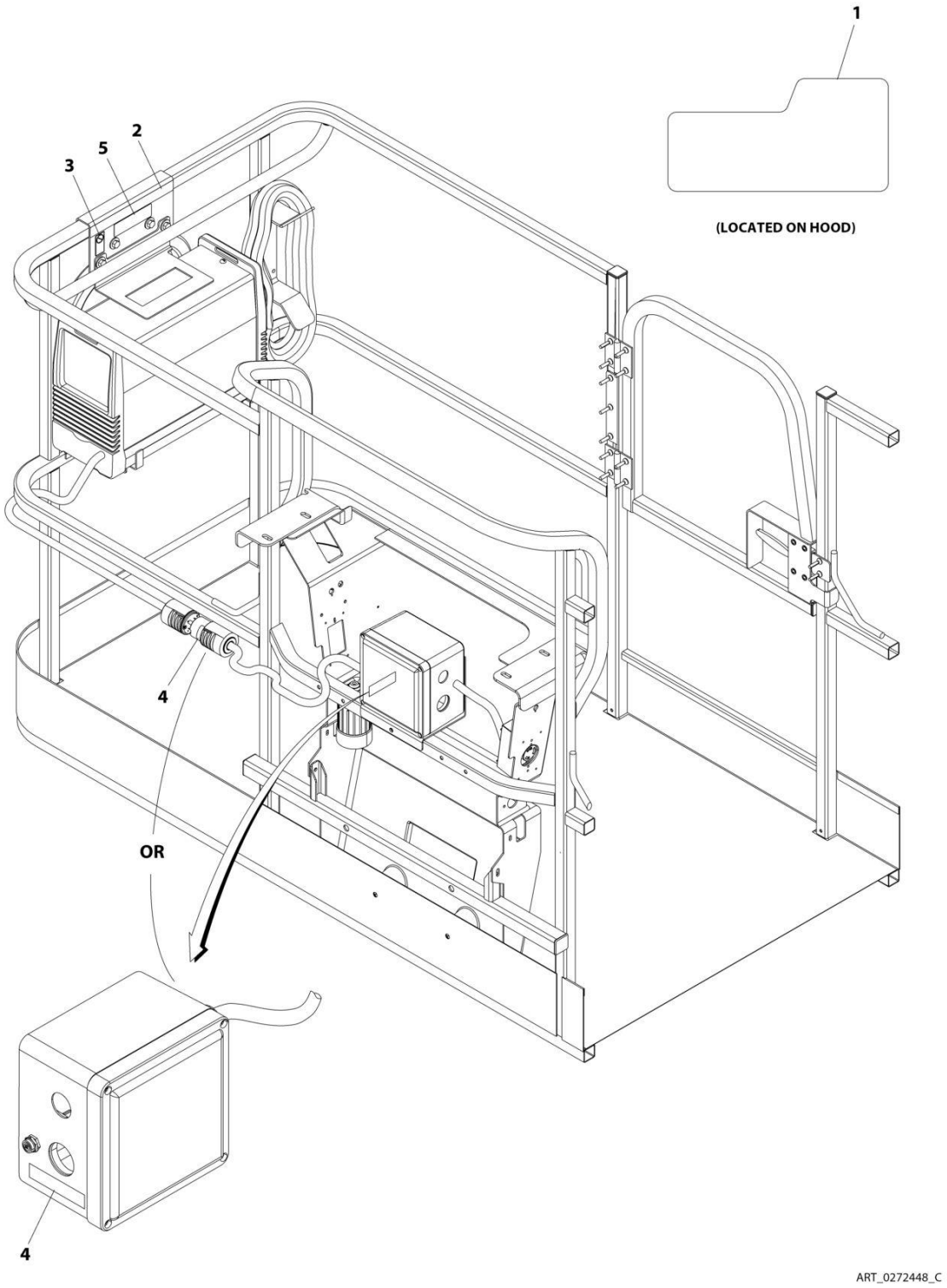


FIGURE 9-21. SKYWELDER DECAL INSTALLATION - 60HZ

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272448	Ref	SKYWELDER DECAL INSTALLATION - 60Hz	C
1	1705355	2	Decal - SkyWelder	
2	1702868	1	Decal - No Hands	
3	1705305	1	Decal - Weld Lead	
4	1705375	1	Decal - 240V - 3 Phase - 60Hz	
5	1001228988	1	Decal - Weight	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
	1001181045	1	Breaker, 30mA/16Amp (16Amp Breaker Box)	
	1001181046	1	Breaker, 30mA/10Amp (10Amp Breaker Box)	
	4360070	1	Breaker, Circuit 15Amp (4000W/60HZ & 7500W Generators)	
	7024485	1	Breaker, Circuit 30Amp (7500W Generators with Deutz D2011 and Ford Engines)	
	70006095	1	Breaker, Circuit 30Amp (7500W Generators with Deutz TD2.9L4)	
	4360542	1	Breaker, Circuit (2500W/110V Generators)	
	70001431	1	Breaker, Circuit (Plasma Cutter)	
	1001159118	1	Breaker, GFCI 30Amp 240VAC (240V AC Box At Platform)	
	70005708	1	Breather Assembly (USA Built Machines)	
	70007726	1	Breather Kit (China Built Machines)	
	7012944	1	Coil (Control Valves Installation)	
	7012943	1	Coil (Lift Cylinder Assembly)	
	7017451	1	Coil (Lift Cylinder Assembly)	
	70003789	1	Coil (Main Control Valve)	
	70002386	1	Coil (Main Control Valve and Platform Valve)	
	70003788	1	Coil (Main Control Valve and Platform Valve)	
	4360476	1	Contactor (Ground Control Boxes and Platform Console Boxes)	
	7020176	1	Contactor (Ground Control Boxes and Platform Console Boxes)	
	1001212415	1	Controller Drive/Steer (Platform Console Box Assembly)	
	1001117174	1	Controller, Footswitch Assembly	
	1001129555	1	Controller Lift/Swing (Platform Console Box Assembly)	
	4360407	1	Controller, Speed (Platform Console Box)	
	3990010	2	Diode, 6 Amp (Ground Control Box Harness)	
		Ref	Engine - Deutz D2011	
	70004020	12	Filter, Air	
	7016328	12	Filter, Fuel	
	7016331	12	Filter, Oil	
	7027795	1	Module, Control	
	3740067	1	Relay	
	3740080	1	Relay	
	70004058	1	Relay	
		Ref	Engine - Deutz TD2.9L4	
	91403102	12	Filter, Air	
	70025161	12	Filter, Fuel (Engine Mounted)	
	70025153	12	Filter, Fuel (Frame Mounted)	
	7016331	12	Filter, Oil	
	1001196634	2	Fuse, 2Amp (Breather Heater Harness)	
	8229242	2	Fuse, 5Amp	
	80983191	2	Fuse, 10Amp	
	70023592	2	Fuse, 20Amp	
	70023593	2	Fuse, 30Amp	
	70025210	1	Module, ECU	
	3740067	1	Relay	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70005648	1	Relay	
	1001117308	1	Relay	
		Ref	Engine - Deutz TD2.9L4 (Stage V)	
	91403102	12	Filter, Air	
	70025161	12	Filter, Fuel (Engine Mounted)	
	70025153	12	Filter, Fuel (Frame Mounted)	
	7016331	12	Filter, Oil	
	1001196634	2	Fuse, 2Amp (Breather Heater Harness)	
	8229242	2	Fuse, 5Amp	
	80983191	2	Fuse, 10Amp	
	70023592	2	Fuse, 20Amp	
	70023593	2	Fuse, 30Amp	
	70025210	1	Module, ECU	
	3740067	1	Relay	
	70005648	1	Relay	
	1001117308	1	Relay	
		Ref	Engine - Deutz TD2.9L4 (China III)	
	91403102	12	Filter, Air	
	1001225432	12	Filter, Fuel (Engine Mounted)	
	1001225430	12	Filter, Fuel (Frame Mounted)	
	7016331	12	Filter, Oil	
	8229242	2	Fuse, 5Amp	
	80983191	2	Fuse, 10Amp	
	70025210	1	Module, ECU	
	3740067	1	Relay	
	70005648	1	Relay	
	1001117308	1	Relay	
		Ref	Engine - Ford	
	70005008	12	Filter, Air - Primary	
	70006460	12	Filter, Air -Secondary	
	70006155	12	Filter, Fuel	
	70006213	12	Filter, Oil	
	70006175	2	Fuse, 20Amp	
	70006176	1	Module, Engine Control Unit	
	3740067	1	Relay	
	70006171	1	Relay	
	70006172	1	Relay	
	70002097	12	Element, Filter (Control Valves Installation)	
	70002231	12	Element, Filter (Control Valves Installation)	
	8229249	2	Fuse, 3 Amp (USB Charger and Platform Console Box Harness)	
	2400064	2	Fuse, 5Amp (7500W Generator to Engine Harness with Deutz D2011 and Ford Engines)	
	8229242	2	Fuse, 5Amp (Ground Control Box Harness)	
	2860030	1	Key Replacement (Ground Control Box Assembly)	
	2940074	1	Latch (Platforms with Gate)	
	1001142683	1	Module, Control (Strobe Light Installations)	
	1001103667	1	Module, Ground Control	
	1001141138	1	Module, Platform	
	3740080	1	Relay (2500W Generators and 7500W Generator with Ford Engine)	
	70006553	1	Relay (4000W Generators)	
	3740049	1	Relay (Ground Control Box Assembly)	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186431	1	Relay (SkyGuard)	
	3740086	1	Relay (SkyLine Harness)	
	1001147479	1	Sensor (Level Sensor Installation)	
	1001191022	1	Sensor (Lower Sensor Assembly)	
	1001137673	1	Sensor (SkyGuard)	
	1001228225	1	Sensor, Emitter (SkyEye)	
	1001148607	1	Sensor, Fuel (Gas/Diesel Engines on China Built Machines)	
	4360057	1	Sensor, Limit (Soft Touch Installation)	
	1001247468	1	Sensor, Loadcell (Platform Support Installation)	
	7026638	1	Sensor, Pressure (Air Compressor)	
	4360506	1	Sensor, Proximity (Boom Cables Installation)	
	1001170847	1	Sensor, Proximity (Dual Capacity Installation)	
	1001182570	1	Sensor, Proximity (Dual Capacity Installation)	
	4360517	1	Sensor, Proximity (Rotary Coupling)	
	1001232667	1	Sensor, Proximity (SkyLine)	
	1001228224	1	Sensor, Receiver (SkyEye)	
	1001225346	1	Switch, Battery (Battery Disconnect Installation)	
	4360475	1	Switch, Emergency Stop (Ground Control and Platform Conosole Boxes)	
	4360469	1	Switch, Key (Ground Control Box Assembly)	
	4360387	1	Switch, Push Button (CE & UK CA Ground Control Boxes, Platform Console Boxes, and Soft Touch)	
	4360274	1	Switch, Push Button (Ground Control Boxes with Deutz Stage V Engine)	
	70001432	1	Switch, Rocker (Plasma Cutter)	
	4360336	1	Switch, Toggle (Generator Installations)	
	1001155045	1	Switch, Toggle (Ground Control Box Assembly)	
	4360328	1	Switch, Toggle (Jib Switch Installation)	
	1001159256	1	Switch, Toggle (Platform Console Boxes)	
	1001161709	1	Switch, Toggle (Platform Console Boxes)	
	7024469	1	Switch with Lead (Welder 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.	
		Ref	SPECIAL OPTIONS/ACCESSORIES/KITS	
	1001229762	Ref	Air Intake Shut-off Valve (Deutz TD2.9L4 Engines)	
	1340061	Ref	Air Cleaner Precleaner	
		Ref	Air Line at Platform Installations	
	0271472	Ref	Air Line at Platform Installations (800S HC3)	
	0271473	Ref	Air Line at Platform Installations (860SJ HC3)	
	1001091712	Ref	Air Line at Platform Installations - With Cold Weather Package (800S HC3)	
	1001091713	Ref	Air Line at Platform Installations - With Cold Weather Package (860SJ HC3)	
	0271476	Ref	Bellows Installations - Boom (800S HC3)	
	1001257440	Ref	Bellows Installations - Boom (860SJ HC3)	
	1001158259	Ref	Bellows Installations - Frame	
	1001111231	Ref	Boom Rope Service Kit (800S HC3)	
	1001197240	Ref	Boom Rope Service Kit (860SJ HC3)	
	2910888	Ref	Boom Wear Pad Kit	
	0271448	Ref	Boom Wiper Installation (800S HC3)	
	1001257418	Ref	Boom Wiper Installation (860SJ HC3)	
	1001233047	Ref	Breather Heater Kit (Deutz TD2.9L4 Engines)	
	1001172045	Ref	Cable/Ladder Rack Installation	
		Ref	ClearSky (Telematics) Add-on Kits (Dealer Installed)	
	1001242409	Ref	ClearSky (Telematics) Access Control Add-on Kit Kit (ANSI, ANSI Export and CSA Specs)	
	1001243183	Ref	ClearSky (Telematics) Add-on Kit (ANSI, ANSI Export and CSA Specs)	
	1001243184	Ref	ClearSky (Telematics) Add-on Kit (CE & UK CA Specs)	
	1001246142	Ref	ClearSky (Telematics) Add-on Kit (Australian Specs)	
	1001276923	Ref	ClearSky (Telematics) Add-on Kit (Contact JLG for Approved Countries)	
	1001289850	Ref	ClearSky (Telematics) CS550 Installation	
	1001293369	Ref	Hood Plug Installation	
		Ref	Cold Weather Start Kits (Factory Installed)	
	1001178208	Ref	Deutz D2011 Engine (With 25 GAL Capacity Hydraulic Tank)	
	1001178207	Ref	Deutz TD2.9L4 Engine (With 25 GAL Capacity Hydraulic Tank)	
	1001255807	Ref	Deutz TD2.9L4 (Stage V) (With 25 GAL Capacity Hydraulic Tank)	
	1001282099	Ref	Deutz TD2.9L4 Stage IV Engine Machines	
	1001219840	Ref	Ford DF 2.5L Engine Machines (With 25 GAL Capacity Hydraulic Tank)	
	1001287837	Ref	Deutz D2011 Engine (With 47.8 GAL Capacity Hydraulic Tank)	
	1001287836	Ref	Deutz TD2.9L4 Engine (With 47.8 GAL Capacity Hydraulic Tank)	
	1001287814	Ref	Deutz TD2.9L4 (Stage V) (With 47.8 GAL Capacity Hydraulic Tank)	
	1001287839	Ref	Ford DF 2.5L Engine Machines (With 47.8 GAL Capacity Hydraulic Tank)	
	1001245137	Ref	Control Valve Lockdown Kit (Used on Valves p/n 1001235900, 1001235901 & 1001244114)	
	1001115918	Ref	Cribbing Switch Installation	
		Ref	Decal Kits Options:	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001273071	Ref	Machine (ANSI)	
	1001273072	Ref	Platform (ANSI)	
	1001273073	Ref	Platform Console Box (ANSI)	
	1001214984	Ref	Platform Box Film Installation	
	1001109257	Ref	Drive Orientation Kit (860SJ HC3)	
	2902394	Ref	Drive/Steer Cutout Kit	
		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 Installation (Ford DF 2.5L Engines)	
	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 & 1001228376)	
	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)	
	1001269630	Ref	Fall Arrest (Bolt-on) Add-on Kit (4ft/1.22m Platform) (All Specs)	
	1001269629	Ref	Fall Arrest (Bolt-on) Add-on Kit (5ft/1.52m Platform) (All Specs)	
	1001269631	Ref	Fall Arrest (Bolt-on) Add-on Kit (6ft/1.82m Platform) (All Specs)	
		Ref	Fan Cover/Grille Options:	
	1001182599	Ref	Fan Cover Installation (Deutz D2011 Engines)	
	1001177694	Ref	Fan Grille Installation (Deutz TD2.9L4 Engines and Deutz TD2.9L4 (Stage V) Engines) (Modine Radiator Only)	
	1001093389	Ref	Fan Cover Installation (Ford DF 2.5L Engines)	
	1001139099	Ref	Fire Extinguisher Installation (20lb) (Platform Mounted)	
	1001227951	Ref	Fire Protection for Platform Valves, Filters and Hoses/Cables (800S HC3)	
	1001239235	Ref	Fire Protection for Platform Valves, Filters and Hoses/Cables (860SJ HC3)	
	1001272888	Ref	Fire Protection for Platform Hoses/Cables Only (860SJ HC3)	
		Ref	Filter Kits:	
		Ref	Combined Filter Kit (Hydraulic/Air and Fuel/Engine Oil)	
	1001225623	1	Deutz D2011 Engine Machines	
	1001195537	1	Deutz DT2.9L4 Engine (All Specs)	
	1001286519	1	Deutz DT2.9L4 Engine - Without HYD Filters (China Spec)	
	1001286521	1	Deutz DT2.9L4 Engine - With HYD Filters (China Spec)	
	1001114052	1	Ford DF 2.5L Engine Machines	
	1001274833	Ref	Floor Mat Add-on Kit (30x48 Platform) (Dealer Installed)	
	1001274832	Ref	Floor Mat Add-on Kit (30x60 Platform) (Dealer Installed)	
	1001274830	Ref	Floor Mat Add-on Kit (36x72 Platform) (Dealer Installed)	
	1001274829	Ref	Floor Mat Add-on Kit (36x96 Platform) (Dealer Installed)	
	1001265676	Ref	Ford 42 Way Connector Kit	
	1001117294	Ref	Footswitch Shield (With Arctic Package)	
	1001202749	Ref	Fuel Cap Cover Installation (Black) (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)	
	1001191394	Ref	Fuel Cap Cover Installation (Red) (Gas Machines) (Note: Lock p/n 1001102157 Must be Purchased Separately)	
	1001116163	Ref	7500W/60Hz Generator Add-on Kit	
		Ref	Hose Kit Options:	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187509	Ref	Hose Kit - Boom (800S HC3)	
	1001187500	Ref	Hose Kit - Boom (860SJ HC3)	
	1001209634	Ref	Hose Kit - Platform Valve (800S HC3)	
	1001209635	Ref	Hose Kit - Platform Valve (860SJ HC3)	
	1001204929	Ref	Hostile Environment Add-on Kit (Dealer Installed) (800S HC3)	
	1001241416	Ref	Hostile Environment Add-on Kit (Dealer Installed) (860SJ HC3)	
	1001121412	Ref	Hostile (Extreme) Environment Installation (Factory Installed) (800S HC3)	
	1001210977	Ref	Hostile (Extreme) Environment Installation (Factory Installed) (860SJ HC3)	
	1001281420	Ref	Hostile Environment Kit (800S HC3)	
	1001281419	Ref	Hostile Environment Kit (860SJ HC3)	
	1001094475	Ref	Hourmeter for Generator	
	1001229935	Ref	Hydraulic Tank Lock Installation	
	1001268736	Ref	Jib Link Kit	
		Ref	Light Options	
	0272057	Ref	Chassis Illumination Lights (ABS Hoods)	
	1001184259	Ref	Chassis Illumination Lights (Steel Hoods)	
	0271552	Ref	Headlights & Taillights Installation (ABS Hoods)	
	1001164786	Ref	Headlights & Taillights Installation (Steel Hoods)	
	1001120466	Ref	Platform Worklights Installation	
	1001120467	Ref	Platform Flood Lights Installation	
	1001128153	Ref	Platform Worklights Installation (Worklight 4 Corner)	
	1001268755	Ref	Lift Cylinder, Jib Kit (860SJ HC3)	
	1001236951	Ref	Low Temperature Cutout Installation (Russian Specs)	
	1001290375	Ref	Oil Drain Kit (Ford Engines)	
		Ref	Oil Cooler Options:	
	1001158251	Ref	Oil Cooler Installations (Deutz D2011 Engines)	
	1001186631	Ref	Oil Cooler Installations (Deutz TD2.9L4 Engines and Deutz TD2.9L4 (Stage V) Engines) (YMER Cooler)	
	1001219633	Ref	Oil Cooler Installations (Ford DF 2.5L Engines)	
	1001200725	Ref	Oil Cooler Replacement Kit (RCP to YMER)	
	1001272166	Ref	Pipe Rack Kit	
	1580013	Ref	Platform Corner Storage Tray	
		Ref	Platform Box Cover Installations	
	1001195304	Ref	Plastic Cover (All Specs except China Specs)	
	1001266290	Ref	Steel Cover (ANSI Export, CE & UK CA (LRC), and China Specs	
	1001270482	Ref	Steel Cover (All Specs) (Dealer Installed)	
		Ref	Platform Entry Kits	
	1001142504	Ref	Drop Bar (Replacing Swing Gate with Drop Bar)	
	1001142505	Ref	Swing Gate (Replacing Drop Bar with Swing Gate)	
		Ref	Platform Mesh To Mid Rail Installation (Side Entry Platform):	
	1001272274	Ref	30in x 4ft (76cm x 1.22m) Platforms (ANSI, ANSI Export and Australian Specs)	
	1001272178	Ref	30in x 5ft (76cm x 1.52m) Platforms (ANSI, ANSI Export and Australian Specs)	
	1001271760	Ref	36in x 6ft (91.5cm x 1.83m) Platforms (ANSI, ANSI Export and Australian Specs)	
	1001269389	Ref	36in x 8ft (91.5cm x 2.44m) Platforms (ANSI, ANSI Export Australian, Russia and China Specs)	
		Ref	Platform Plastic Mesh To Mid Rail Installation (Side Entry Platform):	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266969	Ref	30in x 4ft (76cm x 1.22m) Platforms (ANSI, ANSI Export and Australian Specs)	
	1001266799	Ref	30in x 5ft (76cm x 1.52m) Platforms (ANSI, ANSI Export and Australian Specs)	
	1001266284	Ref	36in x 6ft (91.5cm x 1.83m) Platforms (ANSI, ANSI Export and Australian Specs)	
	1001266098	Ref	36in x 8ft (91.5cm x 2.44m) Platforms (ANSI, ANSI Export Australian, Russia and China Specs)	
		Ref	Platform Mesh to Mid Rail Add-on Kits:	
	1001281461	Ref	30in x 4ft (76cm x 1.22m) with Gate	
	1001281460	Ref	30in x 5ft (76cm x 1.52m) with Gate	
	1001281458	Ref	36in x 6ft (91.5cm x 1.83m) with Gate	
	1001281457	Ref	36in x 8ft (91.5cm x 2.44m) with Gate	
		Ref	Platform Mesh To Top Rail Installation (Side Entry Platform):	
	1001272182	Ref	30in x 4ft (76cm x 1.22m) Platforms (ANSI, ANSI Export and CSA Specs)	
	1001271888	Ref	30in x 5ft (76cm x 1.52m) Platforms (ANSI, ANSI Export and CSA Specs)	
	1001271642	Ref	36in x 6ft (91.5cm x 1.83m) Platforms (ANSI, ANSI Export and CSA Specs)	
	1001269187	Ref	36in x 8ft (91.5cm x 2.44m) Platforms (ANSI, ANSI Export and CSA Specs)	
		Ref	Platform Plastic Mesh To Top Rail Installation (Side Entry Platform):	
	1001266807	Ref	30in x 4ft (76cm x 1.22m) Platforms (ANSI, ANSI Export and CSA Specs)	
	1001266801	Ref	30in x 5ft (76cm x 1.52m) Platforms (ANSI, ANSI Export and CSA Specs)	
	1001266489	Ref	36in x 6ft (91.5cm x 1.83m) Platforms (ANSI, ANSI Export and CSA Specs)	
	1001266056	Ref	36in x 8ft (91.5cm x 2.44m) Platforms (ANSI, ANSI Export and CSA Specs)	
		Ref	Platform Mesh to Top Rail Add-on Kits:	
	1001281456	Ref	30in x 4ft (76cm x 1.22m) with Gate	
	1001281455	Ref	30in x 5ft (76cm x 1.52m) with Gate	
	1001281453	Ref	36in x 6ft (91.5cm x 1.83m) with Gate	
	1001281452	Ref	36in x 8ft (91.5cm x 2.44m) with Gate	
	1001149730	Ref	Platform Mid Rail Repair Kit	
		Ref	Platform Top Rail Extension Installations:	
	0272733	Ref	Platform 6ft (1.83m)	
	0272725	Ref	Platform 8ft (2.44m)	
	1001209059	Ref	Platform Work Surface Installation	
	1001100121	Ref	Programmable Security Lock Installation (CE, China & UK CA Specs Only)	
	1001162546	Ref	Pump Coupling Service Kit (Sauer Danfoss)	
	1001199487	Ref	Radiator Replacement Kit (RCP to Modine)	
	1001190889	Ref	Service Kits/Tools	Y
	1001241547	Ref	SkyEye Housing Kit (Left Side)	
	1001241548	Ref	SkyEye Housing Kit (Right Side)	
	1001247073	Ref	SkyEye Retrofit Kit	
		Ref	SkyGuard Component Options:	
	1001206477	Ref	SkyGuard Complete Add-On Kit (Blue Beacon)	
	1001210026	Ref	SkyGuard Complete Add-On Kit (Red Beacon)	
	1001137672	Ref	SkyGuard Platform Sensor Kit	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137440	1	SkyGuard Sensor Harness	
	1001186431	2	Relay	
	1001206311	Ref	SkyGuard Strobe Light Kit (Blue Beacon)	
	1001210025	Ref	SkyGuard Strobe Light Kit (Red Beacon)	
	1001250595	Ref	SkyGuard 6-Pin Retrofit Installation Kit	
	1001249052	Ref	SkyGuard Retrofit Kit (Dealer Installed)	
	1001262016	Ref	SkyLine Kit (Dealer Installed)	
	1001250465	Ref	SkySense/Enhanced Detection System (EDS) Level 1 (2-Bar) Kit (Factory Installed)	
	1001250466	Ref	SkySense/Enhanced Detection System (EDS) Level 2 (3-Bar) Kit (Factory Installed)	
	1001252033	Ref	SkySense/Enhanced Detection System (EDS) Level 1 (2-Bar) Kit (Dealer Installed)	
	1001252034	Ref	SkySense/Enhanced Detection System (EDS) Level 2 (3-Bar) Kit (Dealer Installed)	
	1001253618	Ref	SkySense/Enhanced Detection System (EDS) Module 1001246867 Service Kit for Level 1 (2-Bar) (Dealer Installed)	
	1001253619	Ref	SkySense/Enhanced Detection System (EDS) Module 1001246860 Service Kit for Level 2 (3-Bar) (Dealer Installed)	
	1001282461	Ref	SkySense Padding Installation - For 30 x 48 Platforms equiped with SkySense	
	1001275644	Ref	SkySense Padding Installation - For 30 x 60 Platforms equiped with SkySense	
	1001275642	Ref	SkySense Padding Installation - For 36 x 72 Platforms equiped with SkySense	
	1001269655	Ref	SkySense Padding Installation - For 36 x 96 Platforms equiped with SkySense	
	1001263395	Ref	SkyWelder Kit (Dealer Installed)	
	1001231235	Ref	SkyWelder Locking Bracket Installation	
	1001281070	Ref	Strobe Beacon Replacement Kit	
	1001152965	Ref	Strobe Light (Amber) Platform Beacon installtaion	
	1001284511	Ref	Telematics Gateway (Dealer Installed)	
		Ref	Tools for Service	
	2901443	1	Analyzer Kit	
	1001249695	1	Analyzer and Cable Kit	
	1001249941	1	Analyzer and Cable Kit (Battery Powered)	
	4460467	1	Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460510	1	Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7002823	1	Pin/Socket Extractor - Universal (To Remove Pins/Sockets from Connectors)	
	7002822	1	Screwdriver, Potentiometer (To Adjust Drive Controllers)	
	7016654	1	Screwdriver, Magnetic	
	7004275	1	Seal Installation Tool - 1in	
	7004276	1	Seal Installation Tool - 1-1/2in	
	7002826	1	Seal Installation Tool - 2in	
	1001137005	1	Software Cable Kit	
	70005663	1	Tool, Port Plate for Pump p/n 1001142522	
	7002821	1	Wire Crimper (To install wire ends to wires)	
	7016655	1	Wire Rope Sheave Gauge	
	8896941	1	Wire Stripper	
	1001228355	Ref	Turntable Bearing Cover Installation	
	2915094	Ref	Turntable Bearing Replacement Kit	

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	1001274249	Ref	USB Charger Add-on Kit (Dealer Installed)	
	1001262959	Ref	Voltage Regulator Relocation Kit (ClearSky)	
	0271487	Ref	Weld Leads Installation (800S HC3)	
	0271488	Ref	Weld Leads Installation (860SJ HC3)	

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