Illustrated Parts Manual

Model 670SJ

SELF LEVELING

PVC
2007

P/N
31215885
January 9, 2023 - Rev D

ANSI

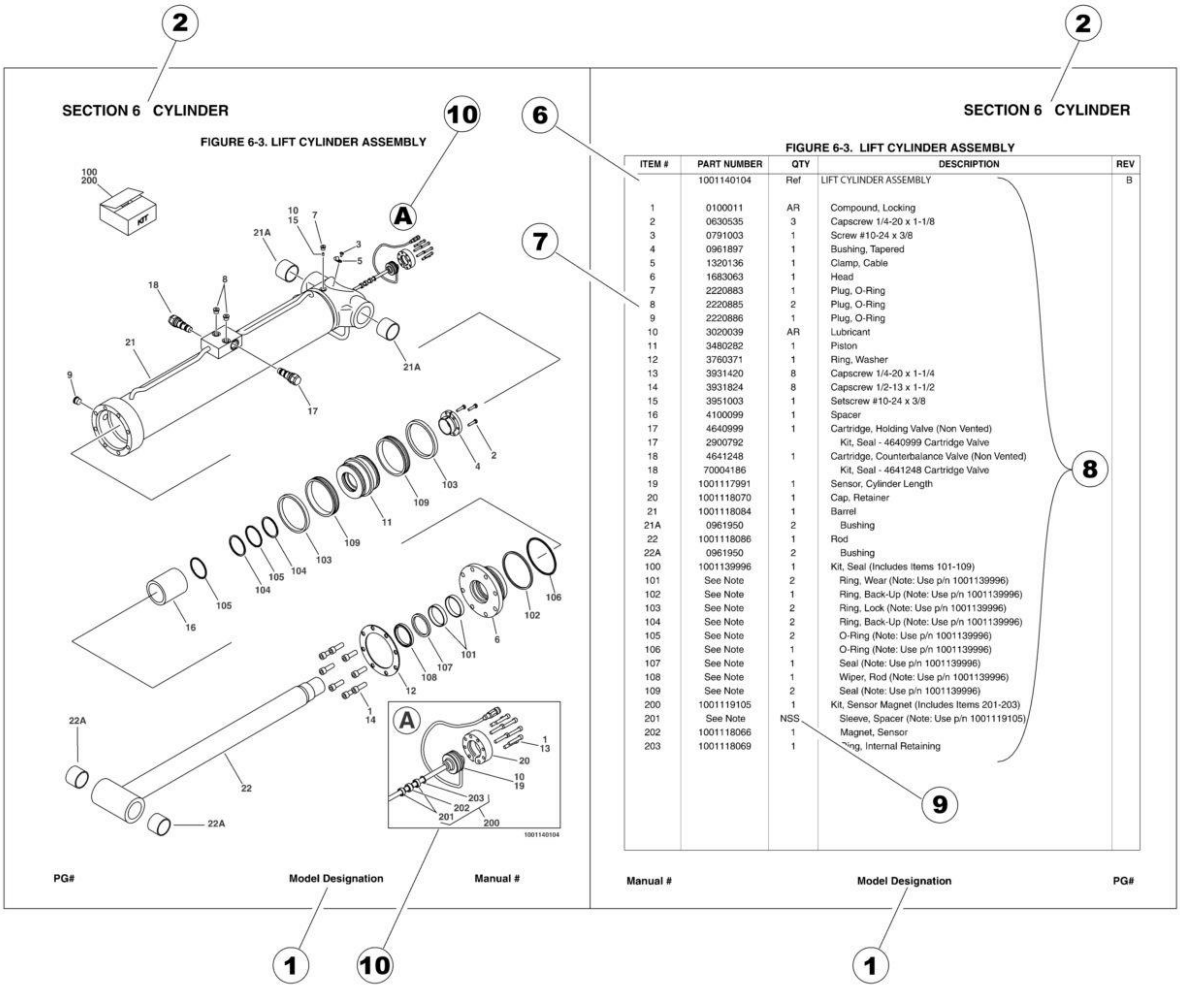
AS/NZS

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REVISION LOG

January 1, 2021 - A - Original Issue of Manual (Edited to B/M 1001250660 Revision G)
January 14, 2022 - B - Revised Manual (Edited to B/M 1001250660 Revision J)
July 11, 2022 - C - Revised Manual (Edited to B/M 1001250660 Revision J)
January 9, 2023 - D - Revised Manual (Edited to B/M 1001250660 Revision J)

GENERAL INFORMATION



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

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

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

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

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

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

GENERAL INFORMATION

6) NON-SERVICED PARTS

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

7) PARTS LIST ITEM NUMBERS

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

8) INDENTED PARTS DESCRIPTION

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

9) ABBREVIATION AND SYMBOLS

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

10) ILLUSTRATION REFERANCE LETTERS

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

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

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SECTION 1 - FRAME

FIGURE 1-1. AXLE INSTALLATION (Prior to SN 0300275371)

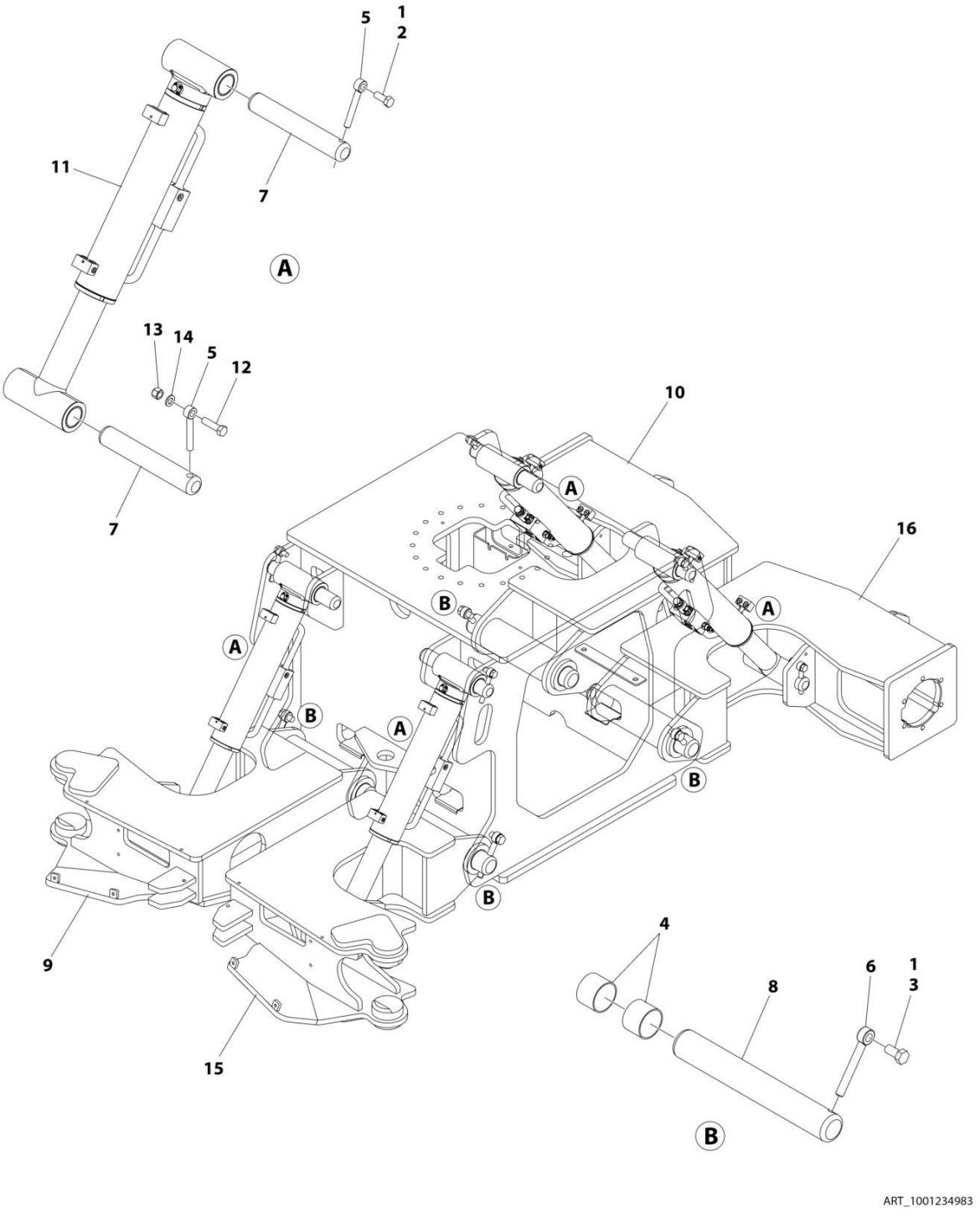


FIGURE 1-1. AXLE INSTALLATION (Prior to SN 0300275371)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234983	Ref	AXLE INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0761616	4	Bolt M16 x 40	
3	0762016	4	Bolt M20 x 40	
4	0962102	8	Bushing	
5	3841258	8	Keeper, Pin	
6	3841287	4	Keeper, Pin	
7	1001116548	8	Pin	
8	1001236511	4	Pin	
9	1001242934	1	Axle - Front RH	
10	1001242936	1	Axle - Rear RH	
11	1001238837	4	Chassis Level Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
12	0761620	4	Bolt M16 x 60	
13	3291605	4	Nut M16	
14	4812300	4	Washer M16	
15	1001242935	1	Axle - Front LH	
16	1001243009	1	Axle - Rear LH	

FIGURE 1-2. AXLE INSTALLATION (SN 0300275371 to Present)

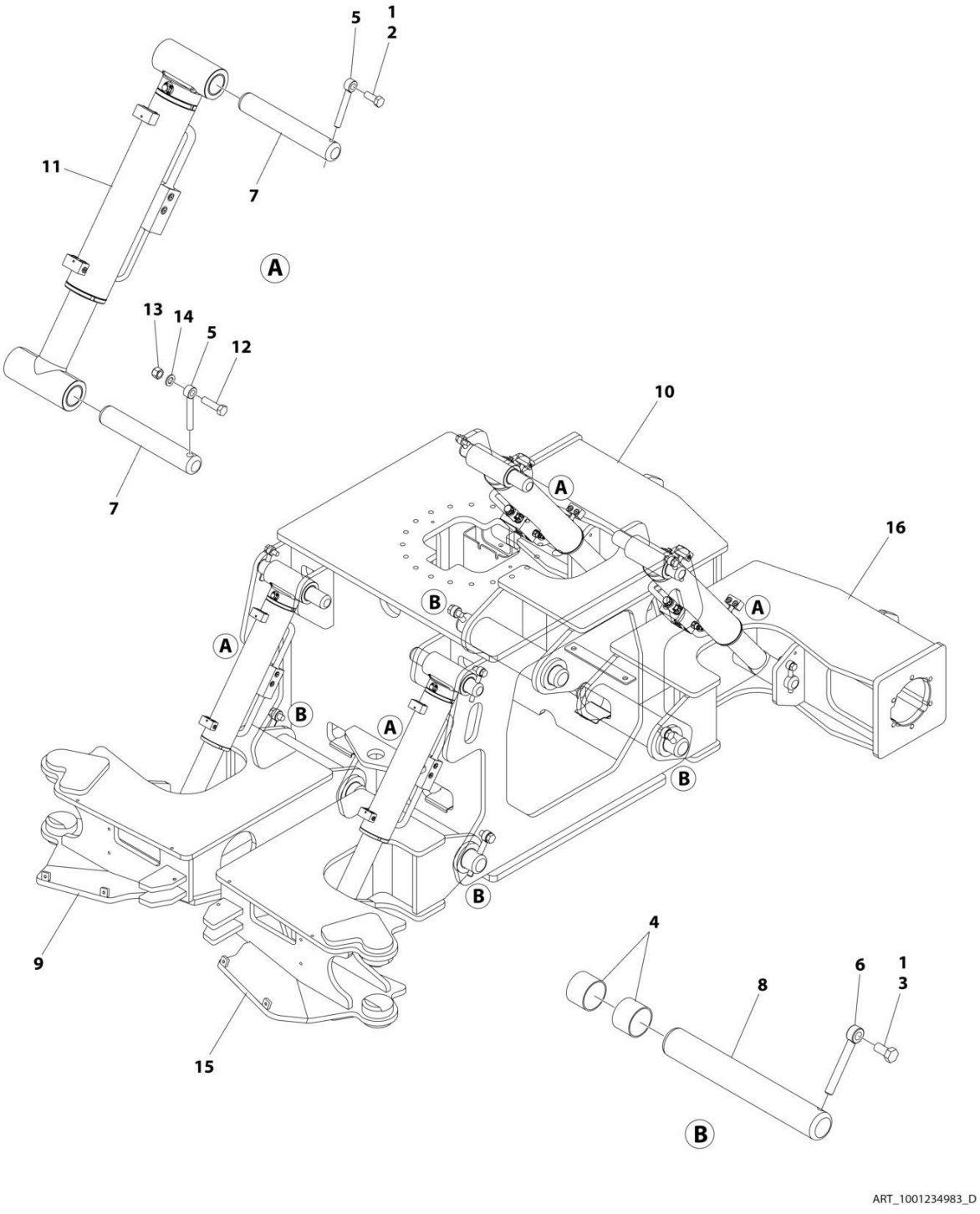


FIGURE 1-2. AXLE INSTALLATION (SN 0300275371 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234983	Ref	AXLE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0761616	4	Bolt M16 x 40	
3	0762016	4	Bolt M20 x 40	
4	0962102	8	Bushing	
5	3841258	8	Keeper, Pin	
6	3841287	4	Keeper, Pin	
7	1001116548	8	Pin	
8	1001236511	4	Pin	
9	1001242934	1	Axle - Front RH	
10	1001242936	1	Axle - Rear RH	
11	1001272273	4	Chassis Level Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
12	0761620	4	Bolt M16 x 60	
13	3291605	4	Nut M16	
14	4812300	4	Washer M16	
15	1001242935	1	Axle - Front LH	
16	1001243009	1	Axle - Rear LH	

FIGURE 1-3. STEER INSTALLATION

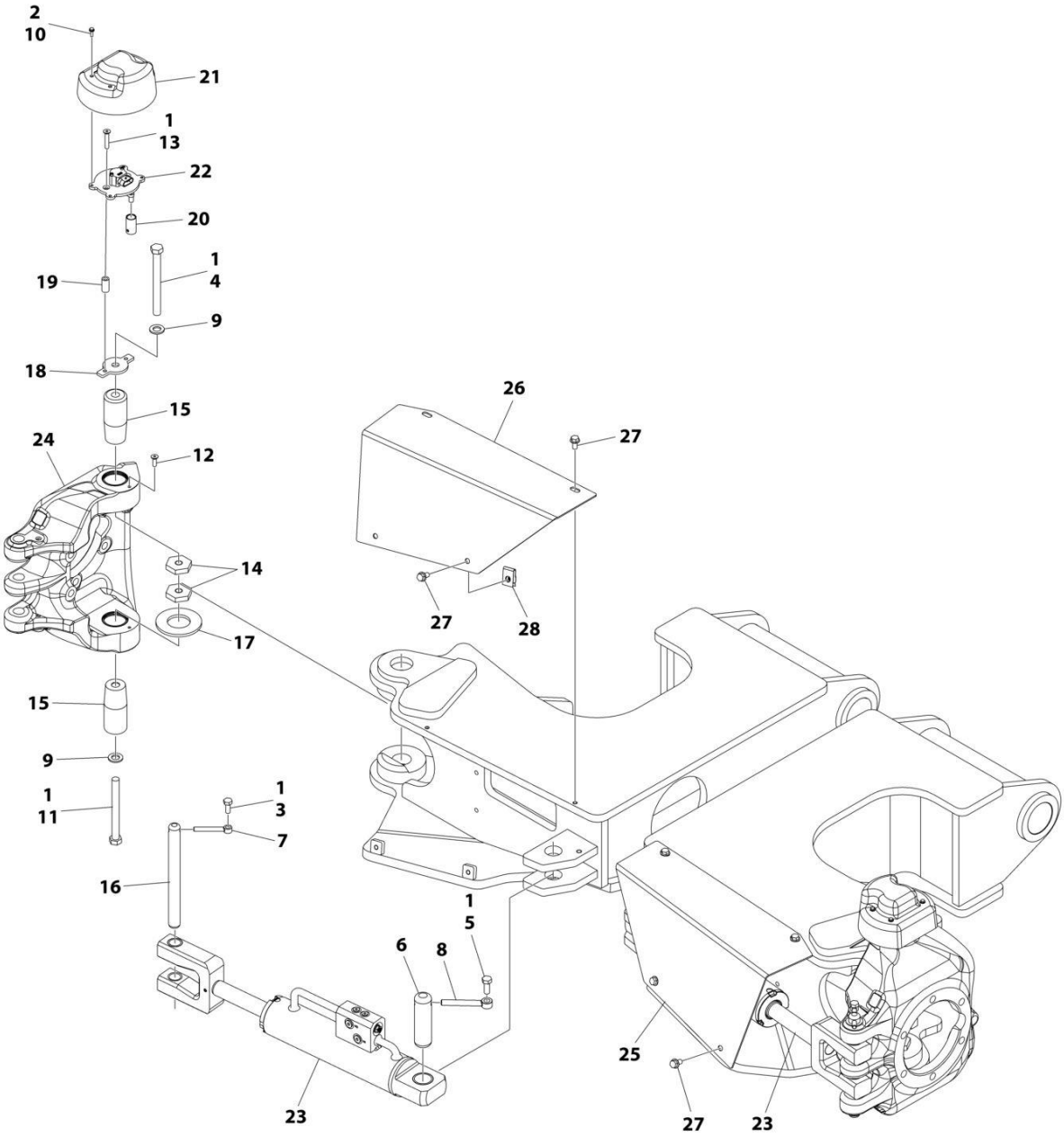


FIGURE 1-3. STEER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234982	Ref	STEER INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	1001180620	AR	Adhesive	
3	0701012	2	Bolt M10 x 25	
4	0701634	2	Bolt M16 x 170	
5	0761214	2	Bolt M12 x 30	
6	3423146	2	Pin	
7	3841143	2	Keeper, Pin	
8	3841203	2	Keeper, Pin	
9	5241600	4	Washer M16	
10	5250508	8	Bolt M5 x 16	
11	1001096456	2	Bolt M16 x 160	
12	1001097586	2	Capscrew M8 x 25	
13	1001243719	4	Capscrew M8 x 45, GRD 10.9	
14	1001176848	4	Nut M16	
15	1001181790	4	Kingpin	
16	1001182697	2	Pin	
17	1001190194	2	Bearing, Thrust	
18	1001236355	2	Plate	
19	1001236356	4	Spacer	
20	1001236357	2	Adapter, Sensor	
21	1001236358	2	Cover, Sensor	
22	1001236360	2	Sensor, Angle	
23	1001236361	2	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
24	1001237434	2	Spindle	
24	1001181791	8	Seal (4 Per Spindle)	
24	1001182694	4	Bearing (2 Per Spindle)	
25	1001267521	1	Cover	
26	1001267522	1	Cover	
27	5251010001	8	Bolt M10 x 20	
28	1001281913	4	Nut M10	

FIGURE 1-4. WHEEL DRIVE INSTALLATION

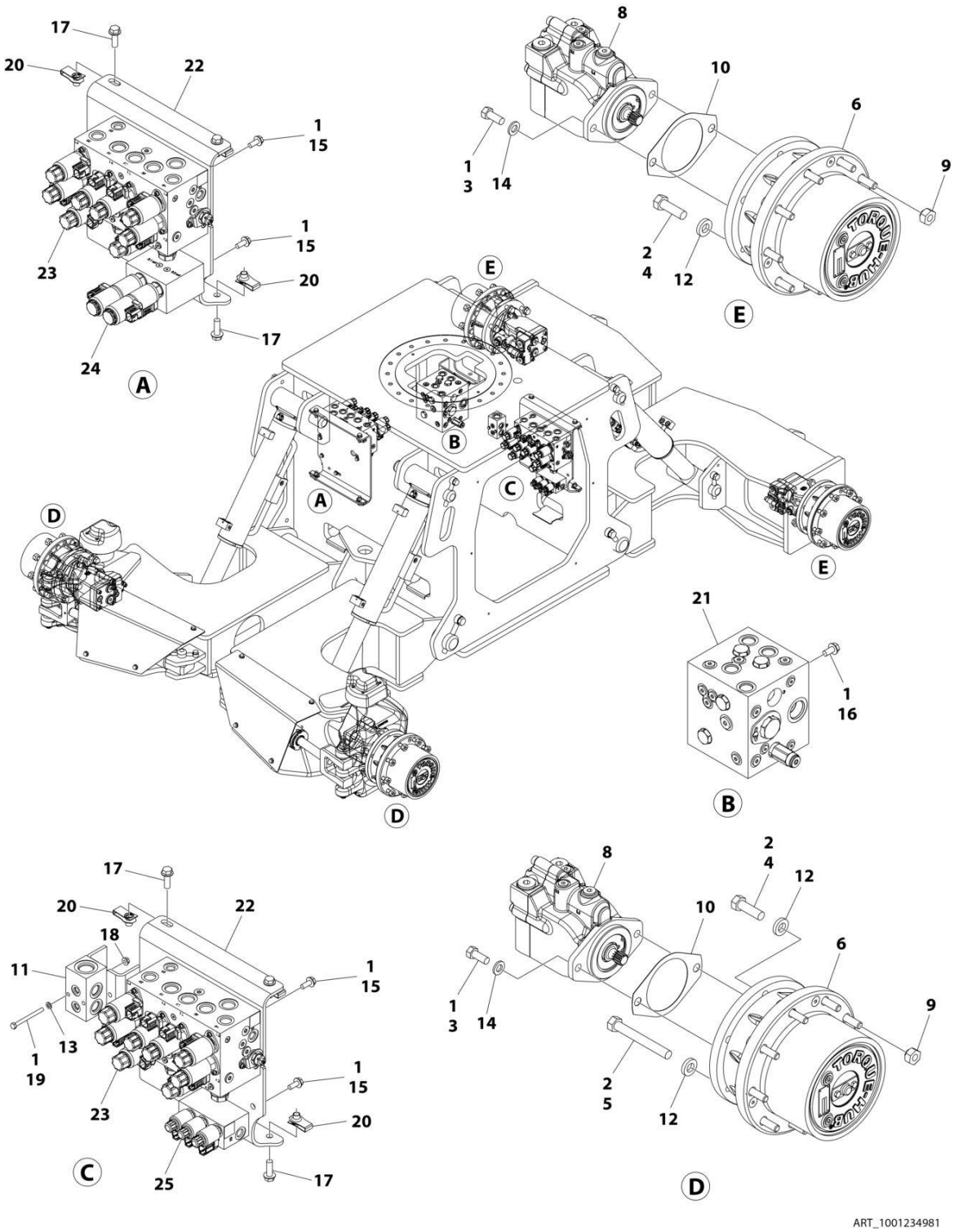


FIGURE 1-4. WHEEL DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234981	Ref	WHEEL DRIVE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0681810	8	Bolt 1/2 x 1-1/4	
4	0682016	20	Bolt 5/8 x 2	
5	0682040	4	Bolt 5/8 x 5	
6	2780269	4	Drive Hub Assembly (See Separate Breakdown in this Section)	
8	3160350	4	Drive Motor Assembly (See Separate Breakdown in this Section)	
9	3300106	36	Nut, Wheel	
10	3960526	4	Gasket	
11	4641155	1	Valve, Junction	
12	4740393	24	Washer	
13	4811700	2	Washer M6	
14	5241200	8	Washer M12	
15	5250810	12	Bolt M8 x 20	
16	5251010	4	Bolt M10 x 20	
17	5251014	8	Bolt M10 x 30	
18	5260600	2	Nut M6	
19	1001096653	2	Bolt M6 x 70	
20	1001118972	8	Nut, Tinnerman	
21	1001187521	1	Traction Valve Assembly (See Separate Breakdown in this Section)	
22	1001236750	2	Plate	
23	1001261117	2	Axle Control Valve Assembly (See Separate Breakdown in this Section)	
24	1001239231	1	Steer Valve Assembly	
24	70007322	2	Cartridge, Solenoid Valve	
24	70000100	2	Seal Kit - 70007322 Valve	
24	70007323	2	Coil	
25	1001239232	1	Brake and Two Speed Valve Assembly	
25	70007319	3	Cartridge, Solenoid Valve	
25	70004875	3	Seal Kit - 70007319 Valve	
25	70026967	3	Coil	

FIGURE 1-5. DRIVE MOTOR ASSEMBLY

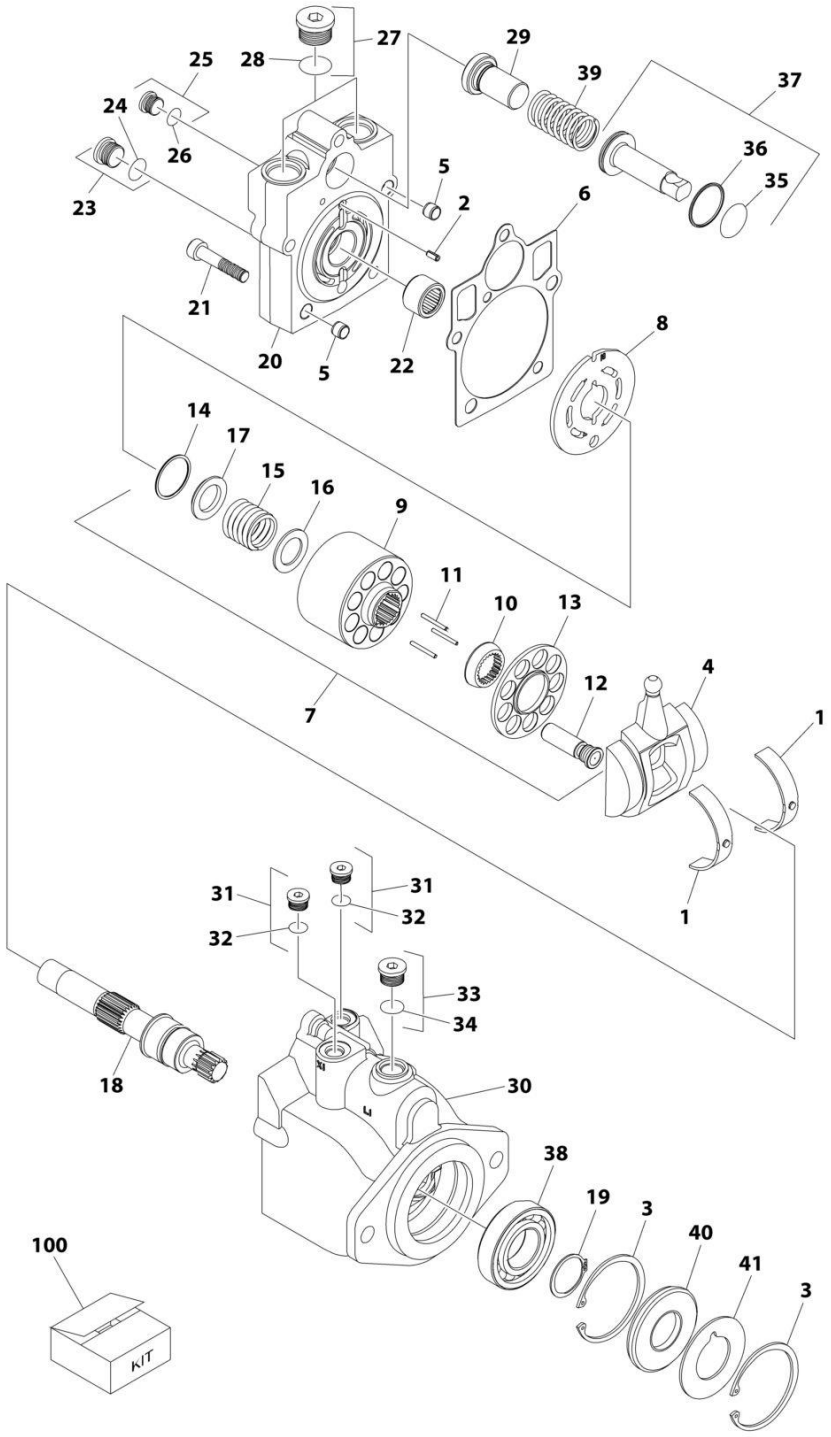


FIGURE 1-5. DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160350	Ref	DRIVE MOTOR ASSEMBLY	D
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	70000794	1	Swash Plate	
5	See Note	NSS	Pin (Note: Not Available for Purchase)	
6	See Note	NSS	Gasket (Note: Use Item 42)	
7	7027740	1	Cylinder Block Kit (Includes Items 9-17)	
8	7024862	1	Plate, Valve	
9	See Note	NSS	Block, Cylinder	
10	See Note	NSS	Guide, Slipper Retainer	
11	7021275	3	Pin, Slipper Hold Down	
12	7024865	9	Piston Assembly	
13	See Note	NSS	Retainer, Slipper	
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	NSS	O-Ring (Note: Use Item 23 or 42)	
25	2220883	1	Plug (Includes Item 26)	
26	See Note	NSS	O-Ring (Note: Use Item 25 or 42)	
27	7027419	2	Plug (Includes Item 28)	
28	See Note	NSS	O-Ring (Note: Use Item 27 or 42)	
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 42)	
33	2220886	1	Plug (Includes Item 34)	
34	See Note	NSS	O-Ring (Note: Use Item 33 or 42)	
35	See Note	NSS	O-Ring (Note: Use Item 42)	
36	See Note	NSS	Ring, Seal (Note: Use Item 42)	
37	7024871	1	Piston, Servo	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	See Note	NSS	Seal, Lip (Note: Use Item 42)	
41	7022371	1	Washer, Support	
100	7022328	1	Seal Kit (Includes Items 6, 24, 26, 28, 32, 34, 35, 36 & 40)	

FIGURE 1-6. DRIVE HUB ASSEMBLY

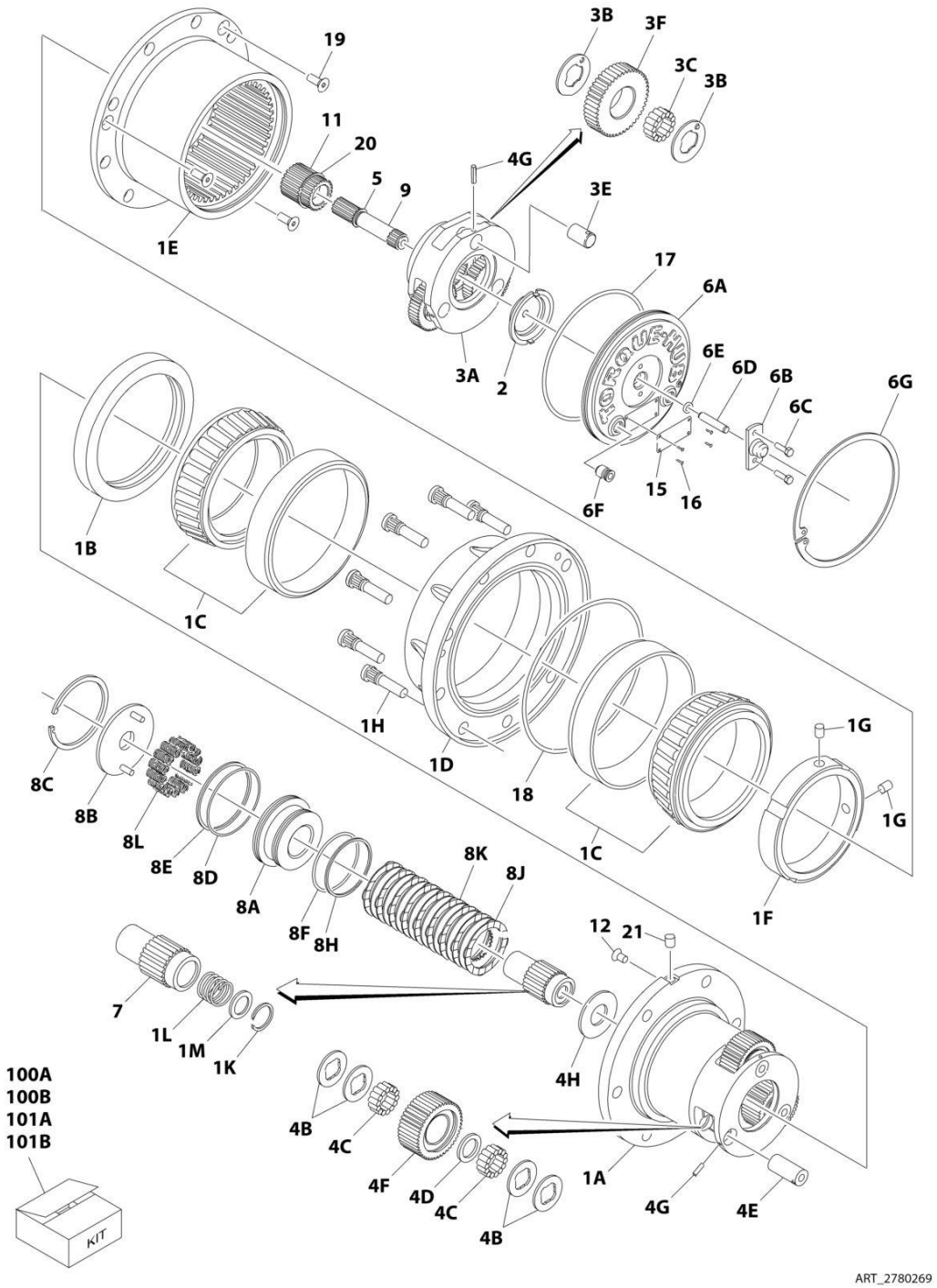


FIGURE 1-6. DRIVE HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780269	Ref	DRIVE HUB/BRAKE ASSEMBLY	E
1	See Note	NSS	Spindle/Housing Assembly (Note: Not Available - Purchase Individual Components)	
1A	7024729	1	Spindle	
1B	70001119	1	Seal, Lip	
1C	7024735	2	Bearing (Includes Cup and Cone)	
1D	2780269	1	Housing (Note: Not Available for Purchase)	
1E	7024730	1	Ring, Gear	
1F	7024744	1	Nut, Bearing	
1G	See Note	NSS	Setscrew 1/4 x 1/2 (Note: Use Item 26A, 26B, 27A or 27B)	
1H	7024732	9	Stud, Wheel	
1K	7024125	1	Ring, Retaining	
1L	7024124	1	Spring	
1M	7024129	1	Thrustwasher	
2	7024741	1	Thrustwasher	
3	See Note	NSS	Carrier Assembly (Note: Not Available - Purchase Individual Components)	
3A	7024725	1	Carrier	
3B	7024127	6	Thrustwasher	
3C	7024733	42	Bearing, Needle	
3E	7024724	3	Shaft, Planet	
3F	7024727	3	Gear, Planet	
4	See Note	NSS	Planet Gear Sub-Assembly (Note: Not Available - Purchase Individual Components)	
4B	7024740	12	Thrustwasher	
4C	7024734	84	Bearing, Needle	
4D	7024736	3	Spacer, Thrust	
4E	7024726	3	Shaft, Planet	
4F	7024728	3	Gear, Planet	
4G	7001913	6	Roll Pin	
4H	7024742	1	Thrustwasher	
5	7017027	1	Ring, Retaining	
6	See Note	NSS	Cover Assembly (Note: Not Available - Purchase Individual Components)	
6A	7024731	1	Plate, Cover	
6B	7017093	1	Cap, Disengage	
6C	7000216	2	Bolt 1/2in-20NC x 1/2in	
6D	7024739	1	Pin, Dowel	
6E	7017095	1	O-Ring	
6F	7017072	2	Plug, Pipe	
6G	7024738	1	Ring, Retaining	
7	7024722	1	Coupling	
8	See Note	NSS	Brake, Input (Note: Not Available - Purchase Individual Components)	
8A	70000782	1	Piston, Brake	
8B	7024743	1	Plate, Pressure	
8C	See Note	NSS	Ring, Retaining (Note: Use Item 26B, 27A or 27B)	
8D	See Note	NSS	O-Ring (Note: Use Item 26B or 27A)	
8E	See Note	NSS	Ring, Back-up (Note: Use Item 26B or 27A)	
8F	See Note	NSS	O-Ring (Note: Use Item 26B or 27A)	
8H	See Note	NSS	Ring, Back-up (Note: Use Item 26B or 27A)	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
8J	See Note	NSS	Rotor, Brake (Note: Use Item 27A)	
8K	See Note	NSS	Stator, Brake (Note: Use Item 27A)	
8L	See Note	NSS	Spring, Brake (Note: Use Item 27B)	
9	7024721	1	Shaft, Input	
11	7024723	1	Gear, Sun	
12	See Note	NSS	Plug (Note: Not Available for Purchase)	
15	See Note	NSS	Plate, ID (Not Shown) (Note: Not Available for Purchase)	
16	7000281	4	Screw, Drive	
17	7024134	1	O-Ring	
18	See Note	NSS	O-Ring (Note: Use Item 26A)	
19	7017022	3	Screw, Countersunk 3/8in-16NC	
20	7024737	1	Ring, Retaining	
21	See Note	NSS	Plug (Note: Not Available - Purchase Locally)	
26		Ref	Seal Kit Options:	
26A	7024744	1	Hub Seal Kit (Includes Items 1B, 1F, 1G, 17, 18 & 19)	
26B	7024765	1	Brake Seal Kit (Includes Items 1G, 8C, 8D, 8E, 8F & 8H)	
27		Ref	Repair Kit Options:	
27A	7024764	1	Brake Lining Kit (Includes Items 1G, 8C, 8D, 8E, 8F, 8H, 8J & 8K)	
27B	7024766	1	Brake Spring Kit (Includes Items 1G, 8C & 8L)	

FIGURE 1-7. AXLE CONTROL VALVE ASSEMBLY

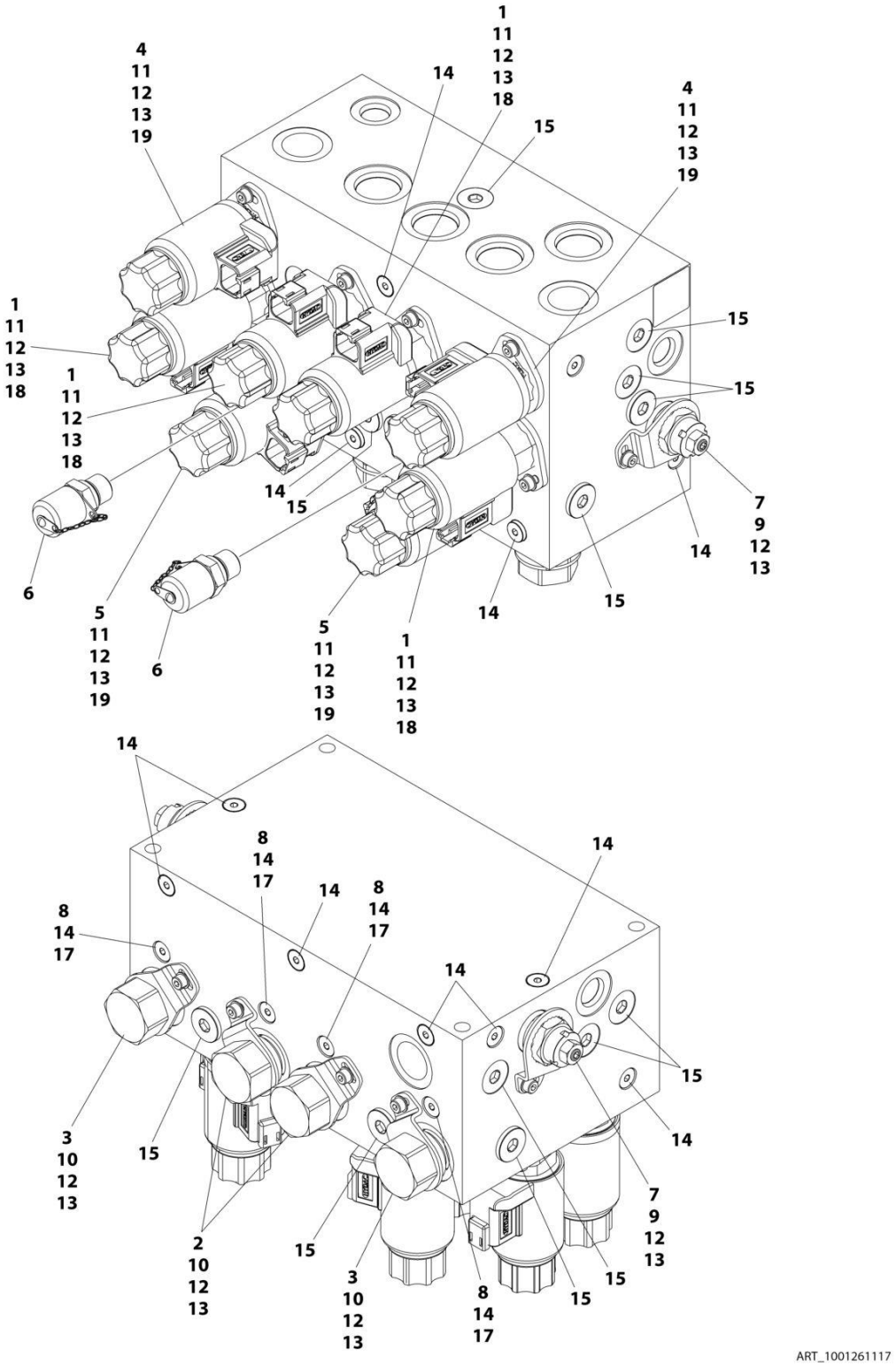


FIGURE 1-7. AXLE CONTROL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001261117	Ref	AXLE CONTROL VALVE ASSEMBLY	E
1	70007343	1	Cartridge, Solenoid Valve (Extend/Retract Flow Control)	
2	70007557	2	Cartridge, Valve	
3	70007558	2	Cartridge, Valve	
4	70007559	2	Cartridge, Solenoid Valve (Retract)	
5	70007560	2	Cartridge, Solenoid Valve (Float)	
6	77133089	2	Fitting, Test	
7		Ref	Cartridge, Valve	
8	70007320	4	Orifice, 0.6mm	
9	70007561	2	Lock	
10	70007562	4	Lock	
11	70007563	8	Lock	
12	70007564	Ref	Washer M4	
13	70007565	Ref	Capscrew M4 x 10	
14	2220883	19	Plug #4	
15	2220885	16	Plug #6	
17	0100035	AR	Compound, Locking	
18	70006004	Ref	Coil	
19	70007323	Ref	Coil	

FIGURE 1-8. TRACTION VALVE ASSEMBLY

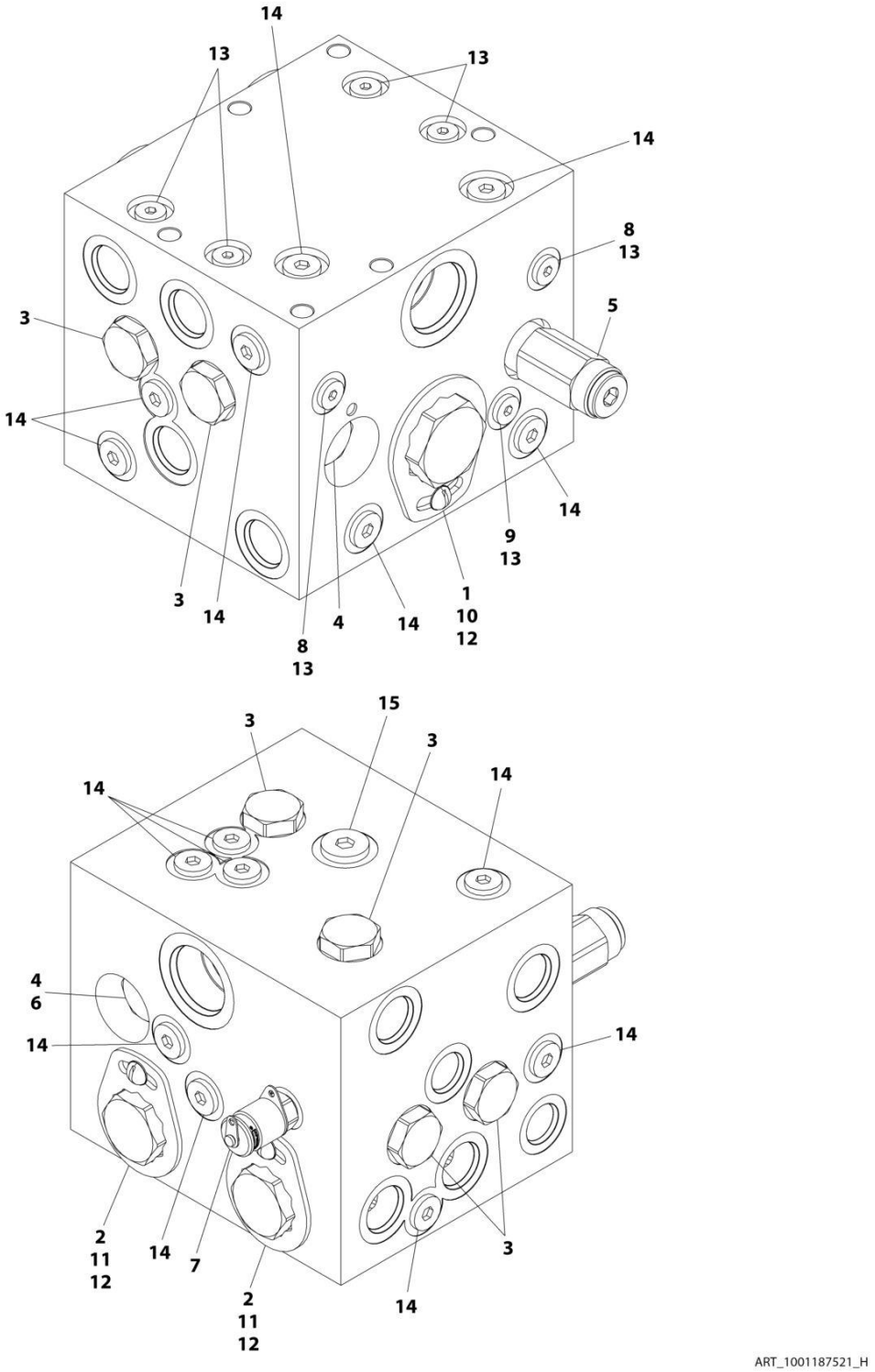


FIGURE 1-8. TRACTION VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187521	Ref	TRACTION VALVE ASSEMBLY	H
1	70005668	1	Valve, Flow Divider	
1	7021625	1	Seal Kit - 70005668 Valve	
2	70005669	2	Valve, Flow Divider	
2	70004577	2	Seal Kit - 70005669 Valve	
3	70026444	6	Valve, Check	
3	7022399	6	Seal Kit - 7022397 Valve	
4	7021639	2	Valve, Check	
4	2900756	2	Seal Kit - 7021639 Valve	
5	70007507	1	Valve, Relief	
5	7012998	1	Seal Kit - 70005670 Valve	
6	7024881	1	Piston	
7	2221086	1	Fitting, Test	
8	70003975	2	Orifice	
9	70002209	1	Orifice	
10	70000781	1	Lock Down Kit	
11	70002962	2	Lock Down Kit	
12	70004888	3	Screw	
13	2220883	7	Plug	
14	2220885	15	Plug	
15	2220886	1	Plug	

FIGURE 1-9. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED (AVAILABLE ON ALL SPECS)

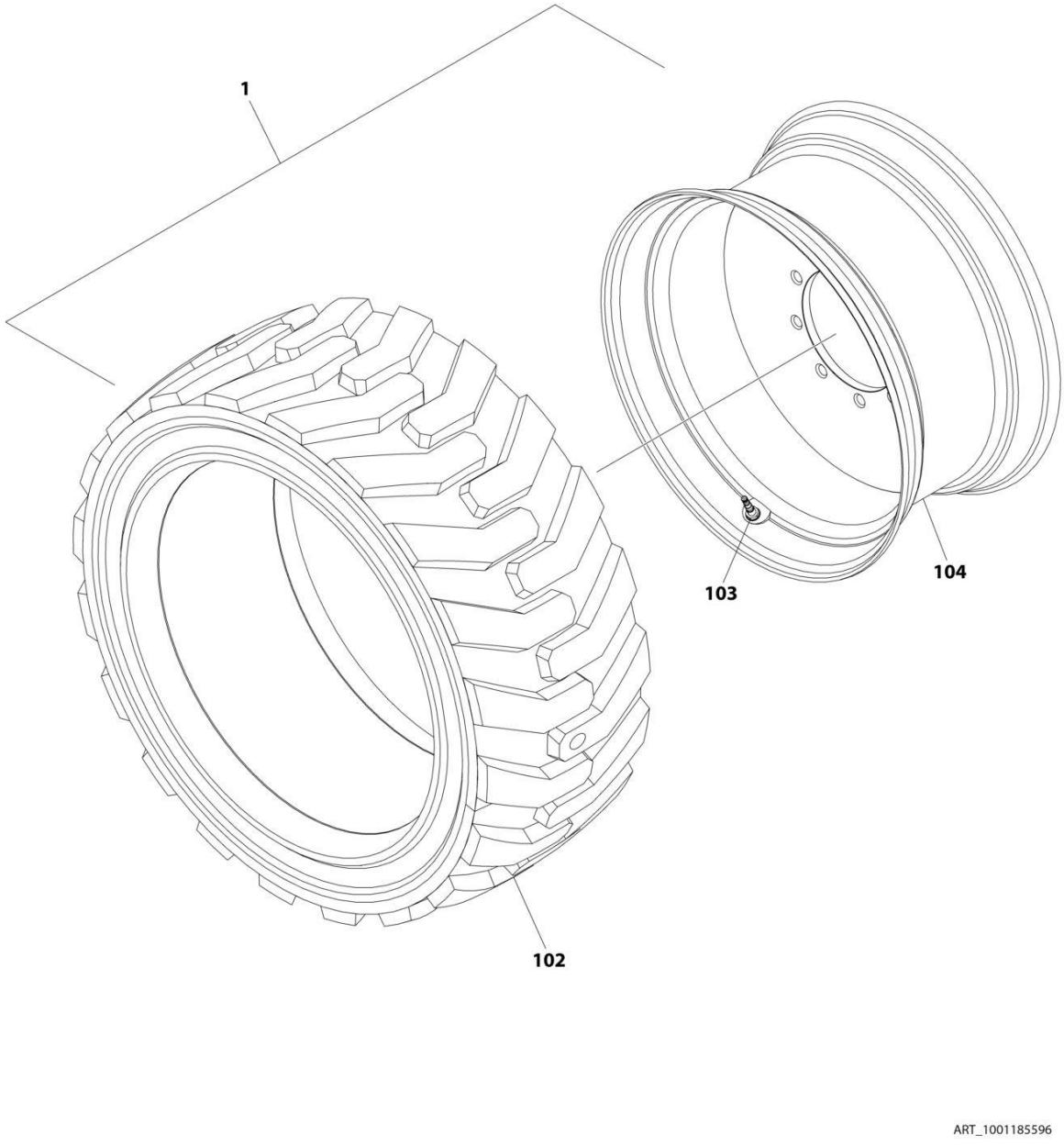


FIGURE 1-9. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED (AVAILABLE ON ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185596	Ref	TIRE & WHEEL INSTALLATION	A
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.	
		Ref	Note: Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001181795	Ref	Tire and Wheel Assembly (LH Side)	D
1	1001181796	Ref	Tire and Wheel Assembly (RH Side)	D
102	4520288	4	Tire - IN355-55 D625	
103	4641122	4	Valve	
104	1001181797	4	Rim, Wheel	

FIGURE 1-10. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED NON-MARKING (AVAILABLE ON ALL SPECS)

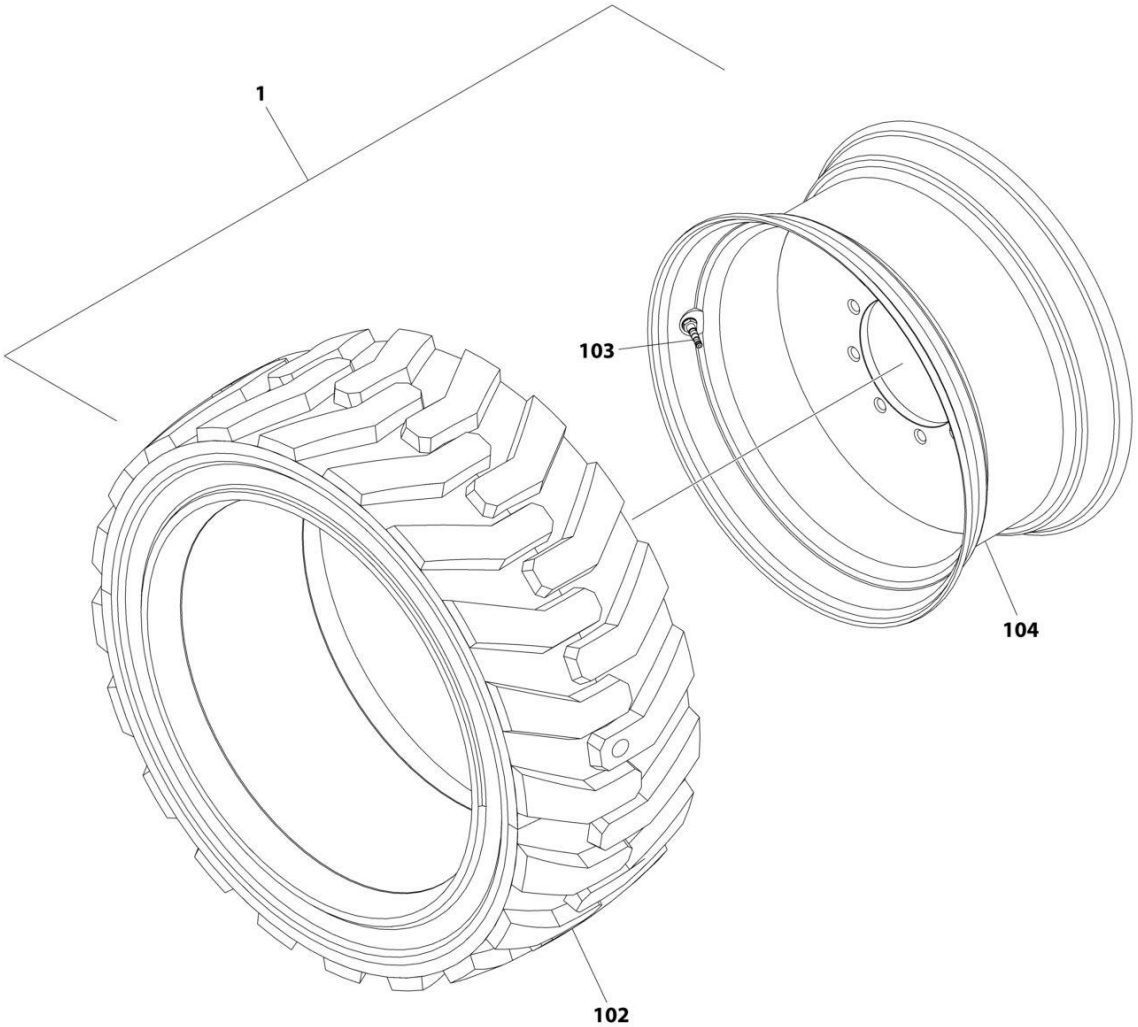


FIGURE 1-10. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED NON-MARKING (AVAILABLE ON ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185597	Ref	TIRE & WHEEL INSTALLATION	A
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.	
		Ref	Note: Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001184727	Ref	Tire and Wheel Assembly (RH Side)	E
1	1001184728	1	Tire and Wheel Assembly (LH Side)	E
102	1001184881	4	Tire - IN355-55 D625	
103	4641122	4	Valve	
104	1001181797	4	Rim, Wheel	

FIGURE 1-11. FRAME COVERS INSTALLATION

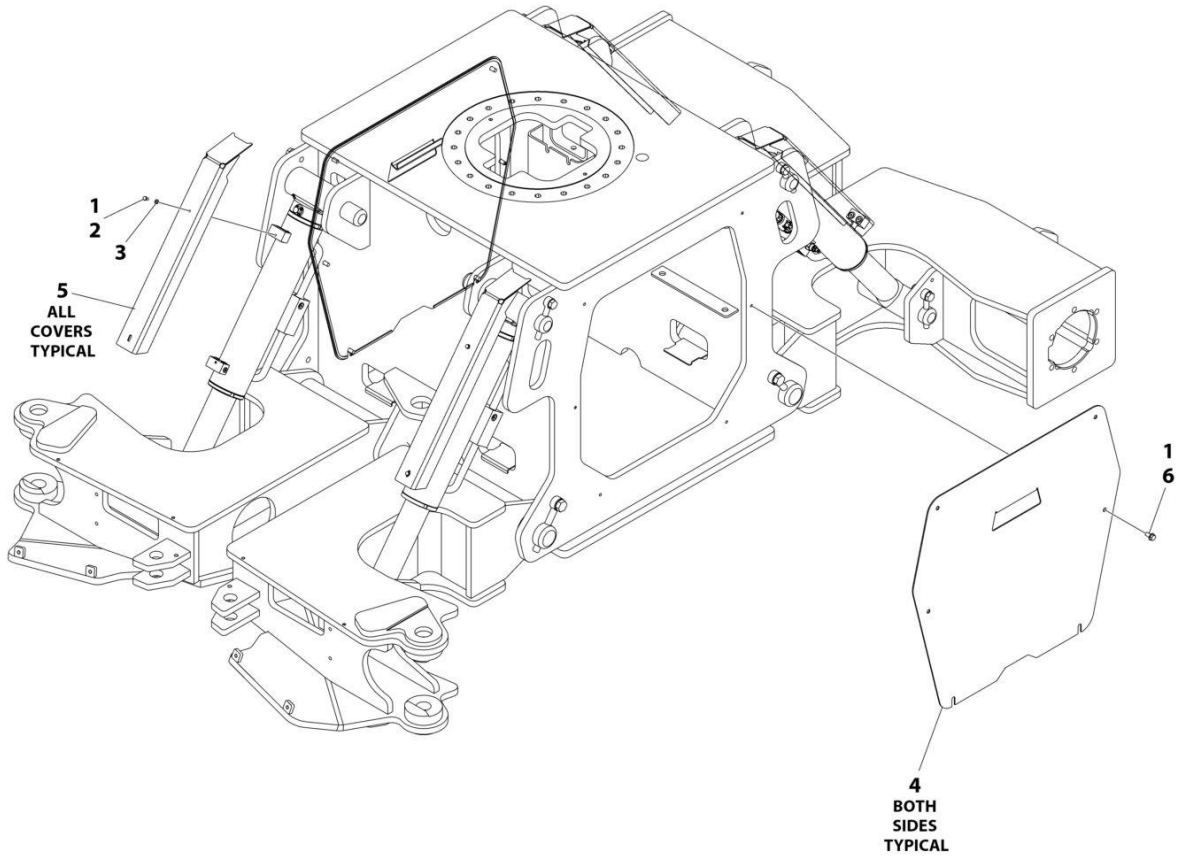


FIGURE 1-11. FRAME COVERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243847	Ref	FRAME COVERS INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0760606	8	Bolt M6 x 12	
3	4811700	8	Washer M6	
4	1001243845	2	Cover	
5	1001262614	4	Cover	
6	5251010001	12	Bolt M10 x 20	

SECTION 2 - TURNTABLE

FIGURE 2-1. VALVE INSTALLATION

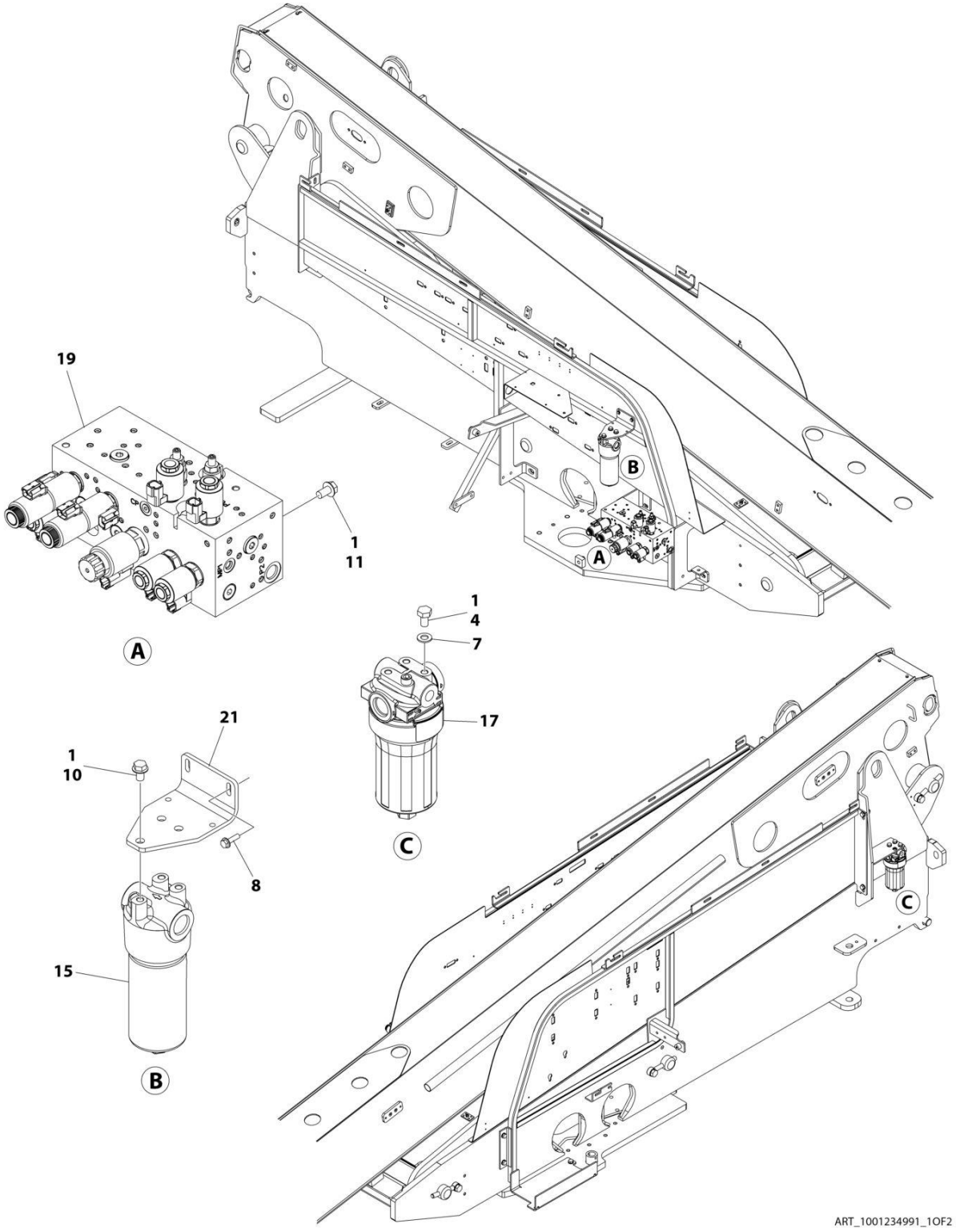


FIGURE 2-1. VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234991	Ref	VALVE INSTALLATION	B
1	0100011	AR	Compound, Locking	
4	0761009	3	Bolt M10 x 18	
7	4812000	3	Washer M10	
8	5250611	2	Bolt M6 x 22	
10	5251008	3	Bolt M10 x 16	
11	5251009	4	Bolt M10 x 18	
15	1001201484	1	Filter, Hydraulic	
15	70005336	1	Element, Filter	
17	1001208874	1	Filter, Hydraulic	
17	70010383	1	Element, Filter	
19	1001248610	1	Main Valve Assembly (See Separate Breakdown in this Section)	
21	1001247434	1	Plate	

FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY

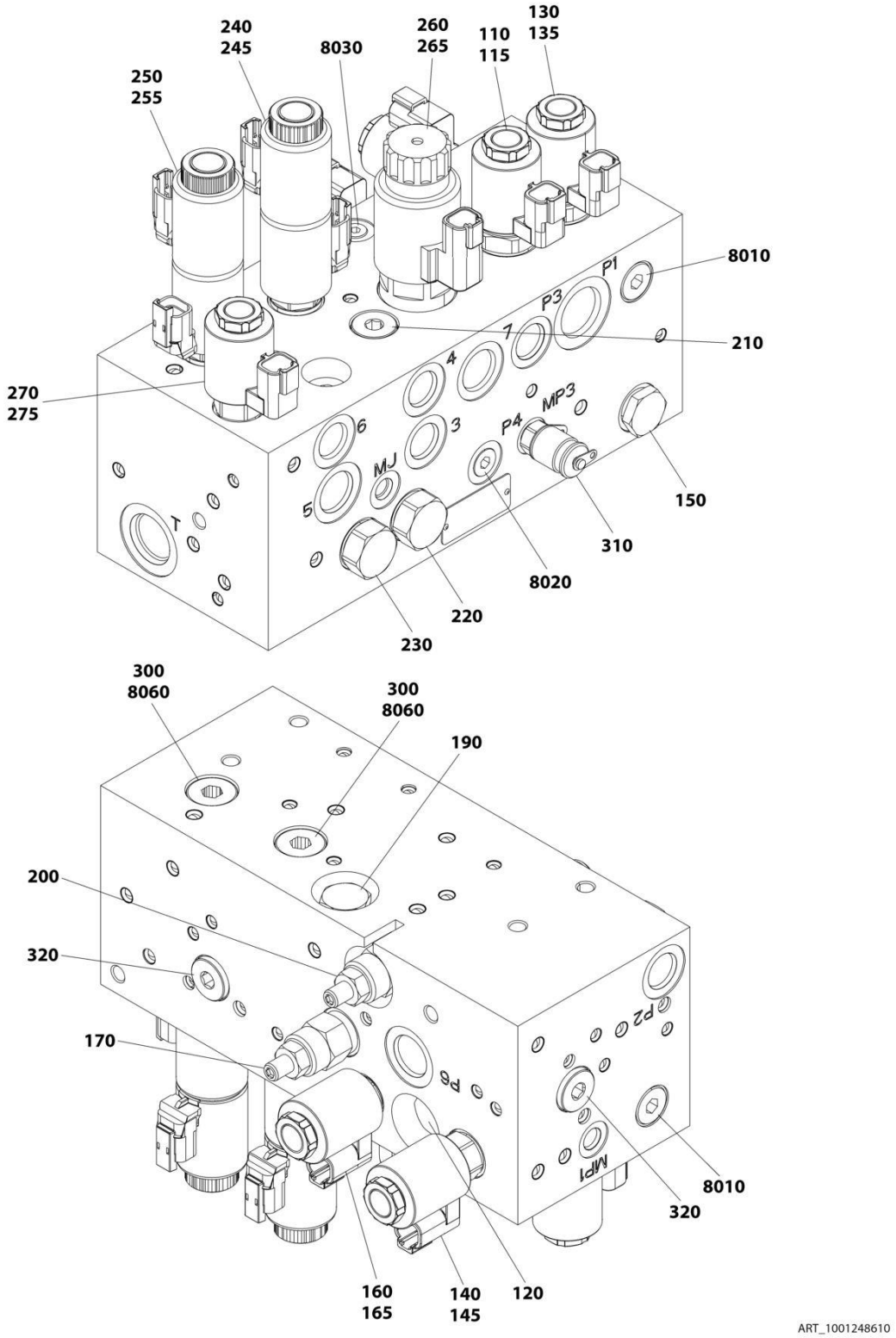


FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248610	Ref	MAIN CONTROL VALVE ASSEMBLY	B
110	70008615	1	Cartridge, Solenoid Valve (without Coil)	
115	70007504	1	Coil	
120	70003021	1	Cartridge, Valve	
130	70008110	1	Cartridge, Solenoid Valve (without Coil)	
135	70007504	1	Coil	
140	70008109	1	Cartridge, Solenoid Valve (without Coil)	
145	70007504	1	Coil	
150	70005952	1	Cartridge, Valve	
160	70008616	1	Cartridge, Solenoid Valve (without Coil)	
165	70007504	1	Coil	
170	70008617	1	Cartridge, Valve	
190	70003027	1	Cartridge, Valve	
200	70008618	1	Cartridge, Valve	
210	70023859	3	Cartridge, Shuttle Valve	
220	70006114	1	Cartridge, Pressure Compensator Valve	
230	70006114	1	Cartridge, Pressure Compensator Valve	
240	70006115	1	Cartridge, Solenoid Valve (without Coil)	
245	80434249	2	Coil	
250	70006117	1	Cartridge, Solenoid Valve (without Coil)	
255	80434249	2	Coil	
260	70008440	1	Cartridge, Solenoid Valve (without Coil)	
265	70004595	1	Coil	
270	70007617	1	Cartridge, Solenoid Valve (without Coil)	
275	70007504	1	Coil	
300	70006119	2	Cartridge, Valve	
310	2221086	1	Fitting, Test	
320	70004613	2	Cartridge, Valve	
8010	70002759	2	Plug	
8020	70004617	1	Plug	
8030	70002758	1	Plug	
8060	70006120	2	Plug	

FIGURE 2-3. SWING DRIVE INSTALLATION

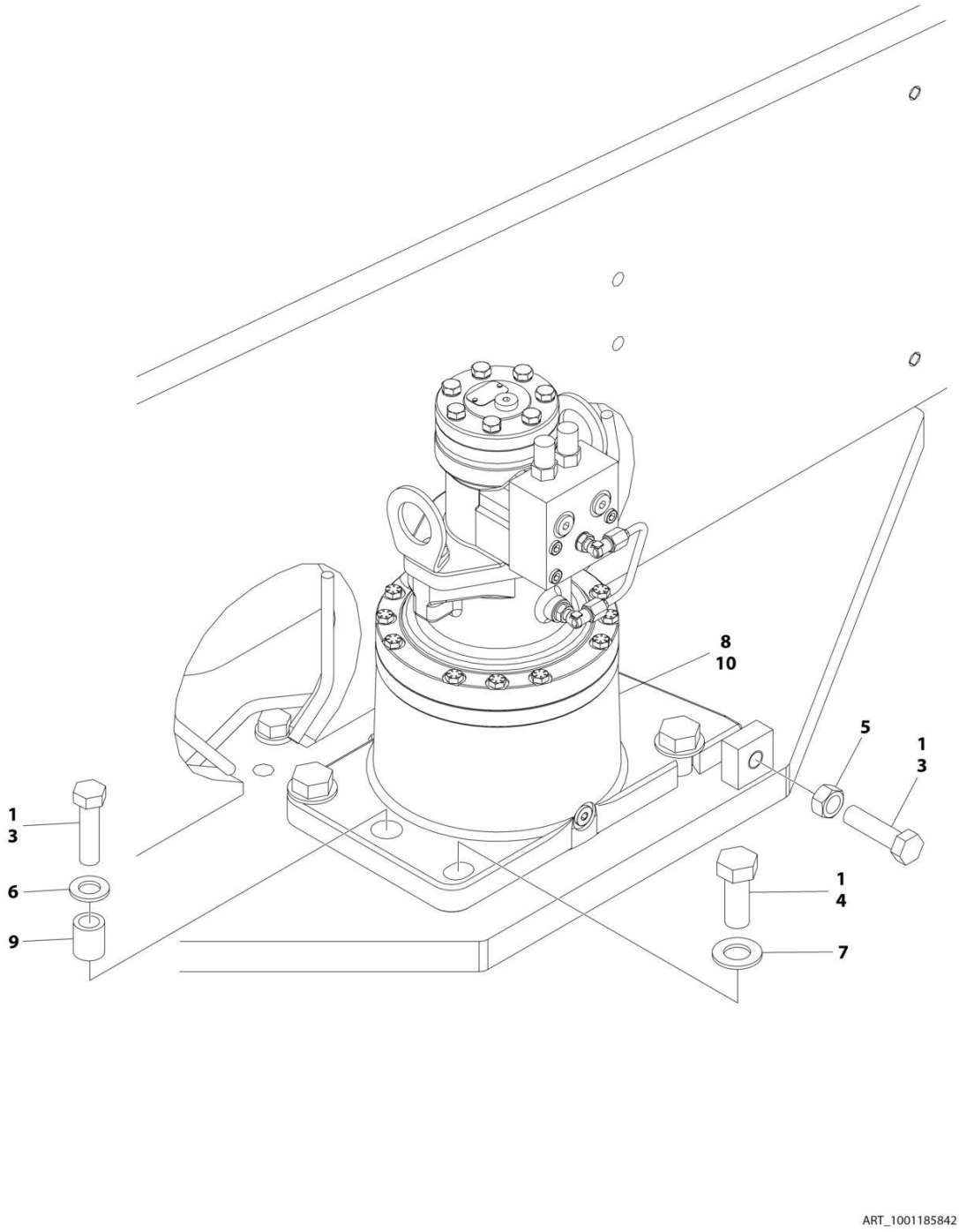
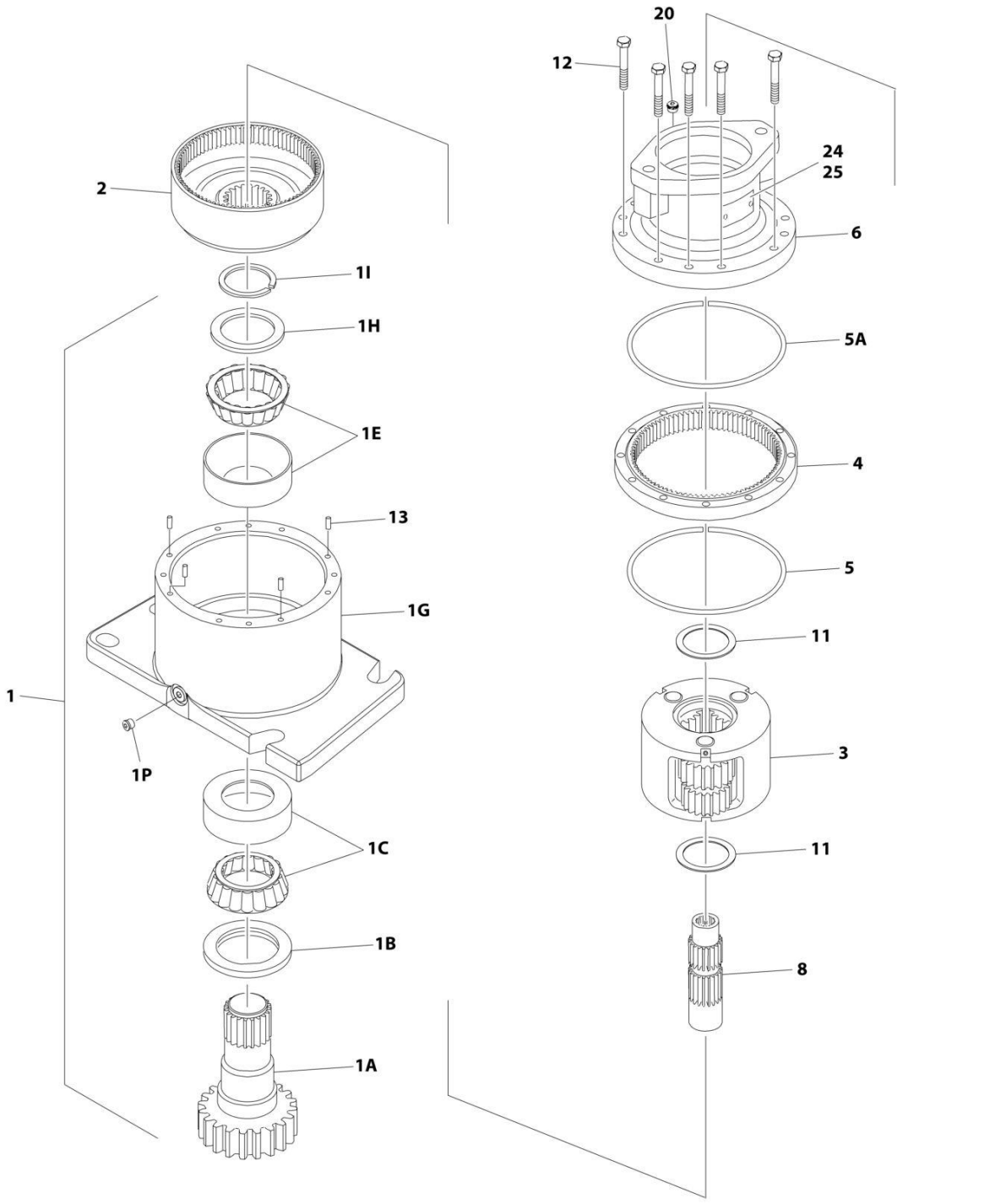


FIGURE 2-3. SWING DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185842	Ref	SWING DRIVE INSTALLATION	B
1	0100019	AR	Compound, Locking	
3	0771620	2	Bolt M16 x 60	
4	0772018	4	Bolt M20 x 50	
5	3291601	1	Nut M16	
6	5241600	1	Washer M16	
7	5242000	4	Washer M20	
8	1001125492	1	Shim	
9	1001134543	1	Spacer	
10	1001187855	1	Swing Motor/Hub Assembly (See Separate Breakdown in this Section)	

FIGURE 2-4. SWING MOTOR/HUB ASSEMBLY



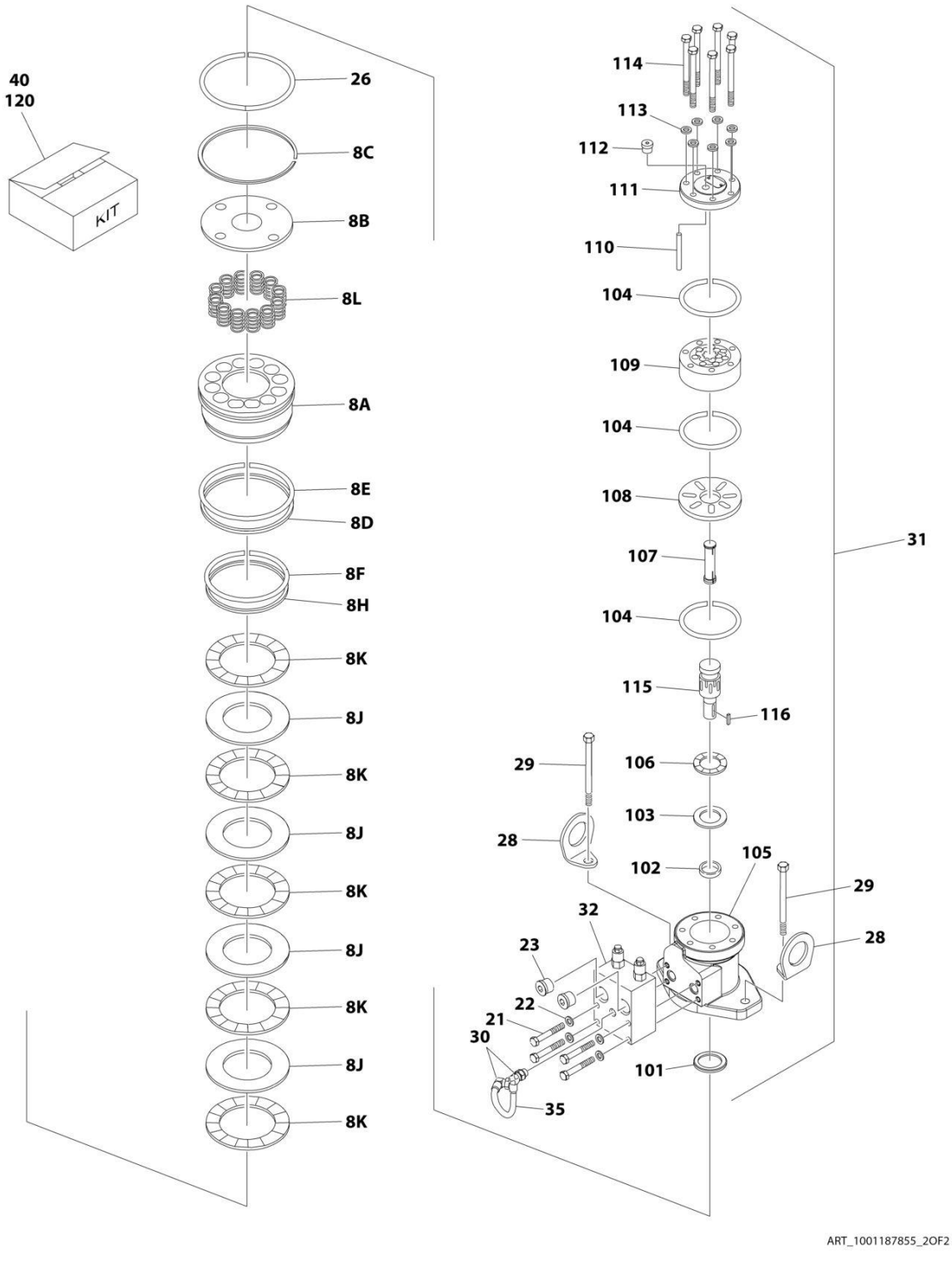

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ART_1001187855_2OF2

FIGURE 2-4. SWING MOTOR/HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187855	Ref	SWING MOTOR/HUB ASSEMBLY	D
1	See Note	NSS	Housing/Shaft Assembly (Note: Not Available - Purchase Complete Swing Motor/Hub Assembly)	
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	See Note	1	Housing (Note: Not Available for Purchase)	
1H	7007633	1	Thrustwasher	
1I	7000229	1	Ring, Retaining	
1P	7017072	1	Plug, Pipe	
2	7000246	1	Gear, Internal	
3	7000247	1	Carrier Assembly	
3A	7001931	1	Carrier	
3B	7001985	6	Washer, Tanged	
3C	7001909	96	Bearing, Needle	
3D	7000263	3	Thrustwasher	
3E	7001911	3	Shaft, Planet	
3F	7001912	3	Gear, Cluster	
3G	7010474	3	Roll Pin	
4	7000248	1	Gear, Ring	
5	7000230	1	O-Ring (Black)	
5A	7017070	1	O-Ring (White)	
6	See Note	NSS	Housing, Brake (Note: Not Available for Purchase)	
7	70005203	1	Gear, Sun	
8		Ref	Brake Components	
8A	70004037	1	Piston, Brake	
8B	7024743	1	Plate, Pressure	
8C	70004039	1	Ring, Retaining	
8D	70004041	1	O-Ring	
8E	70004044	1	Ring, Back-up	
8F	70004042	1	O-Ring	
8H	70004043	1	Ring, Back-up	
8J	See Note	NSS	Rotor, Brake (Note: Use p/n 70002085)	
8K	See Note	NSS	Stator, Brake (Note: Use p/n 70002085)	
8L	70002066	7	Spring, Brake	
11	7000253	2	Thrustwasher	
12	7000217	12	Bolt, 5/16 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	Lockwasher	
23	7017023	2	Plug, Pipe	
24	See Note	NSS	Plate, ID (Note: Not Available for Purchase)	
25	See Note	NSS	Rivet	
26	7024763	1	O-Ring	
28	See Note	NSS	Lug, Lifting (Note: Not Available for Purchase)	
29	70004040	2	Bolt 1/2 x 1-1/2 Grade 8	
30	7017085	2	Elbow	
31	70006304	1	Motor Assembly (See Items 101-120 for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
32	7024784	1	Valve (No Serviceable Parts)	
33	7017082	1	Plug, Pipe (Not Shown)	
35	70004047	1	Tube	
40	7024100	1	Seal Kit - Hub (Includes Items 1B, 1I, 5, 5A & 11)	
	70006304	Ref	Motor Assembly	
101	See Note	NSS	Seal, Dust (Note: Use Item 120)	
102	See Note	NSS	Seal, Shaft (Note: Use Item 120)	
103	See Note	NSS	Thrustwasher (Note: Use Item 120)	
104	See Note	NSS	Seal, Ring (Note: Use Item 120)	
105	See Note	NSS	Hosuing (Note: Purchase Complete Assembly)	
106	70006306	1	Bearing, Thrust	
107	7005889	1	Link, Drive	
108	70006307	1	Plate, Wear	
109	70006310	1	Rotor Set	
110	7005891	1	Pin	
111	70006308	1	Cover, End	
112	See Note	NSS	Plug (Note: Purchase Complete Assembly)	
113	70006309	1	Washer Kit (Includes 7 Washers)	
114	70006313	1	Bolt Kit (Includes 7 Bolts)	
115	See Note	NSS	Shaft (Note: Purchase Complete Assembly)	
116	See Note	NSS	Key (Note: Purchase Complete Assembly)	
120	70006305	1	Seal Kit - Motor (Includes Items 101-104)	

FIGURE 2-5. TURNTABLE BEARING AND LUBE INSTALLATION

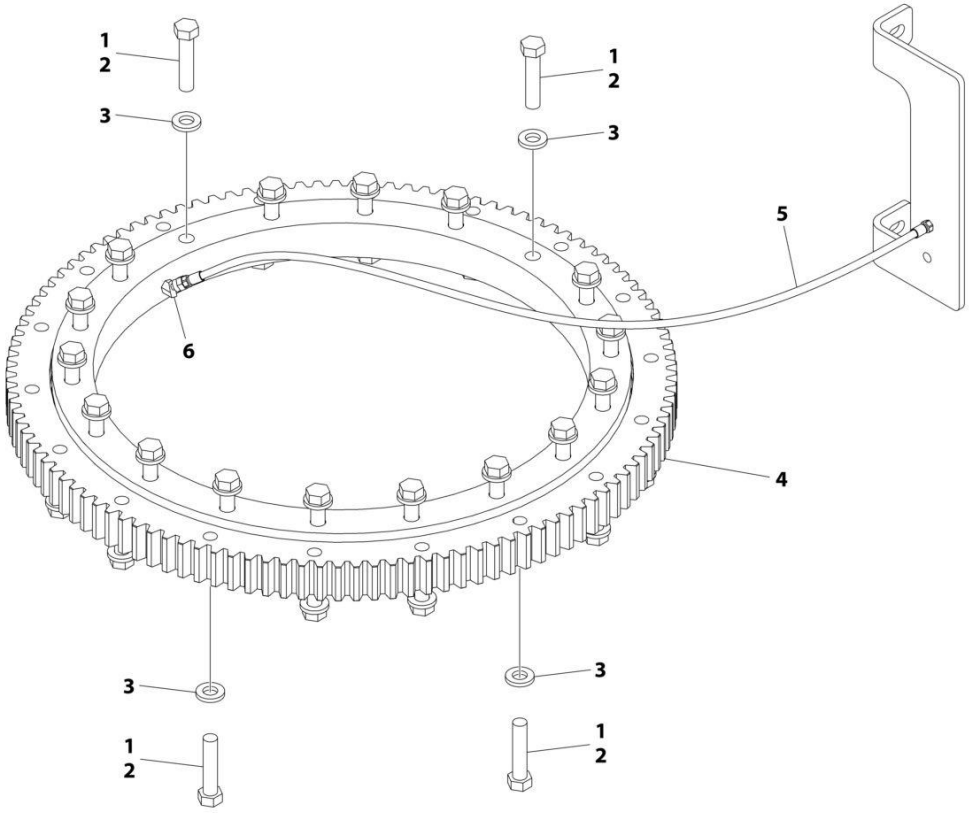
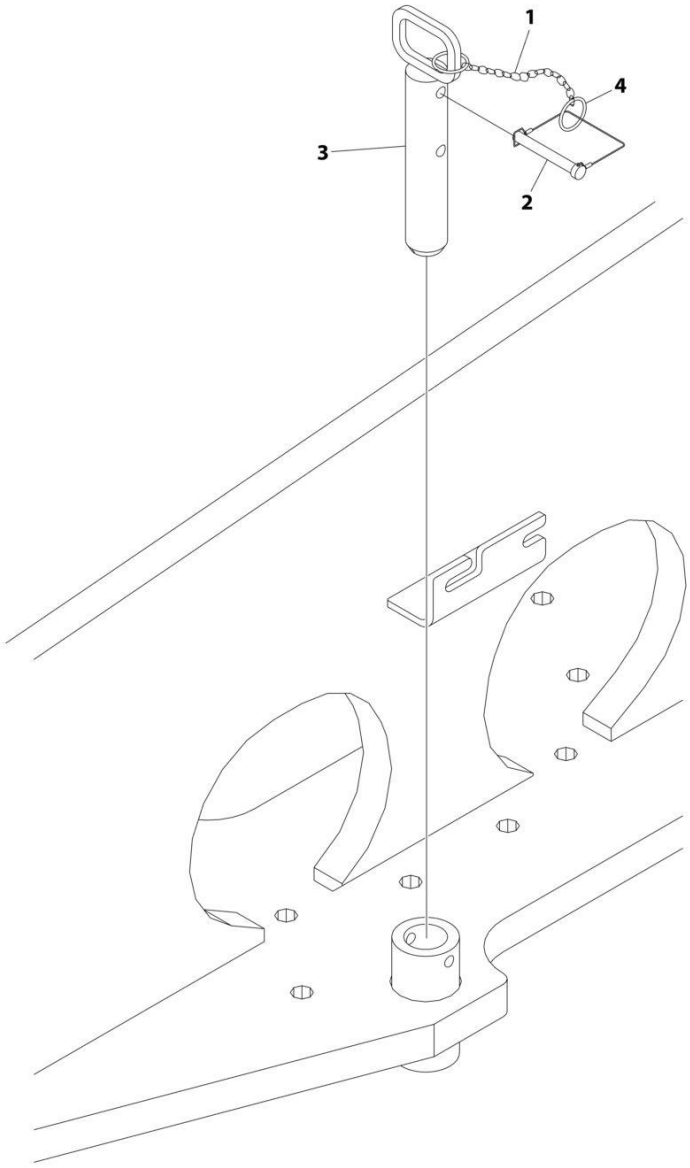


FIGURE 2-5. TURNTABLE BEARING AND LUBE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185709	Ref	TURNTABLE BEARING AND LUBE INSTALLATION	D
1	0100019	AR	Compound, Locking	
2	0682023	36	Bolt 5/8 x 2-7/8	
3	4892000	36	Washer 5/8	
4	0440233	1	Bearing, Turntable	
5	1001188125	1	Hose	
6	2220124	1	Fitting, 45	

FIGURE 2-6. TURNTABLE LOCK INSTALLATION



ART_1001187022_B

FIGURE 2-6. TURNTABLE LOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187022	Ref	TURNTABLE LOCK INSTALLATION	B
1	1260017	9 in/23cm	Chain	
2	3421565	1	Snap-Pin	
3	1001169582	1	Pin, Lock	
4	3760170	2	Ring	

FIGURE 2-7. ROTARY COUPLING INSTALLATION

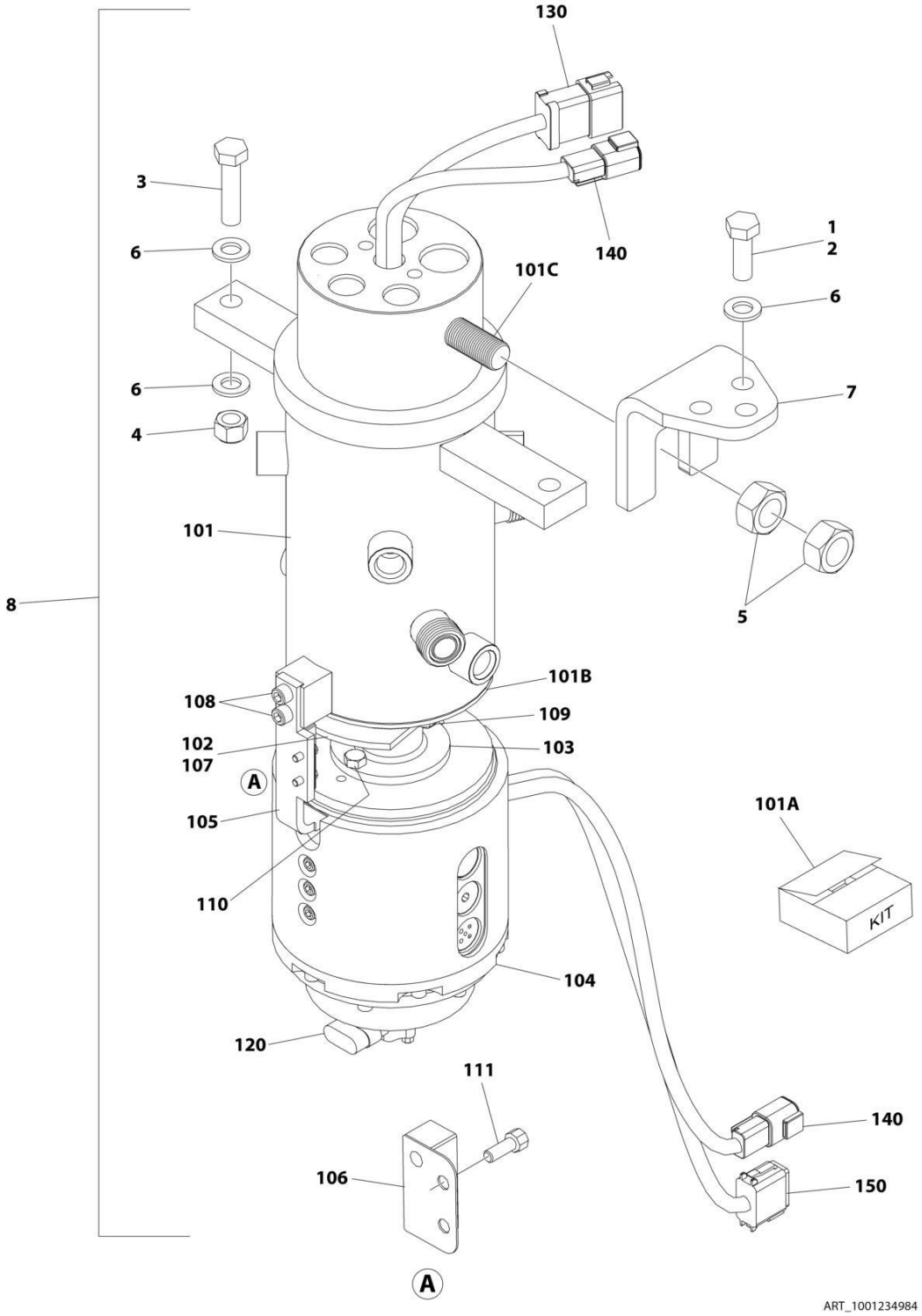


FIGURE 2-7. ROTARY COUPLING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234984	Ref	ROTARY COUPLING INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0761215	3	Bolt M12 x 35	
3	0761218	2	Bolt M12 x 50	
4	3291205	2	Nut M12	
5	3292001	2	Nut M20	
6	4812100	7	Washer M12	
7	1001187953	1	Mount	
8	1001237709	1	Coupling/Collector Ring Assembly	
101	70007511	1	Coupling, Hydraulic	
101A	70007512	1	Seal Kit - 70007511 Coupling	
101B	7026503	2	Ring, Thrust	
101B	7026504	1	Ring, Retaining	
101C	70007509	1	Lug, Torque	
102	7026030	1	Cam	
103	80334251	1	Spool	
104	70003485	1	Swivel, Collector Ring	
105	70003484	1	Bracket	
106	7026031	1	Sensor	
107	7026032	1	Pin, Dowel	
108	3931512	2	Capscrew 5/16 x 3/4	
109	0641506	2	Bolt 5/16 x 3/4	
110	0641508	2	Bolt 5/16 x 1	
111	70007510	2	Capscrew #10 x 1/2	
120	1001133759	1	Sensor	
130	4460950	1	Receptacle, Female - 12 Position	
130	4460943	5	Pin, Male	
130	4460516	1	Pin, Male	
130	4460466	6	Plug, Terminal	
140	4461017	2	Receptacle, Female - 2 Position	
140	4460508	4	Pin, Male	
150	4460836	1	Pin, Male - 12 Position	
150	4460944	2	Socket, Female	
150	4460465	6	Socket, Female	
150	4460466	4	Plug, Terminal	

FIGURE 2-8. TANKS INSTALLATION (WITH HELGESEN HYDRAULIC TANK)

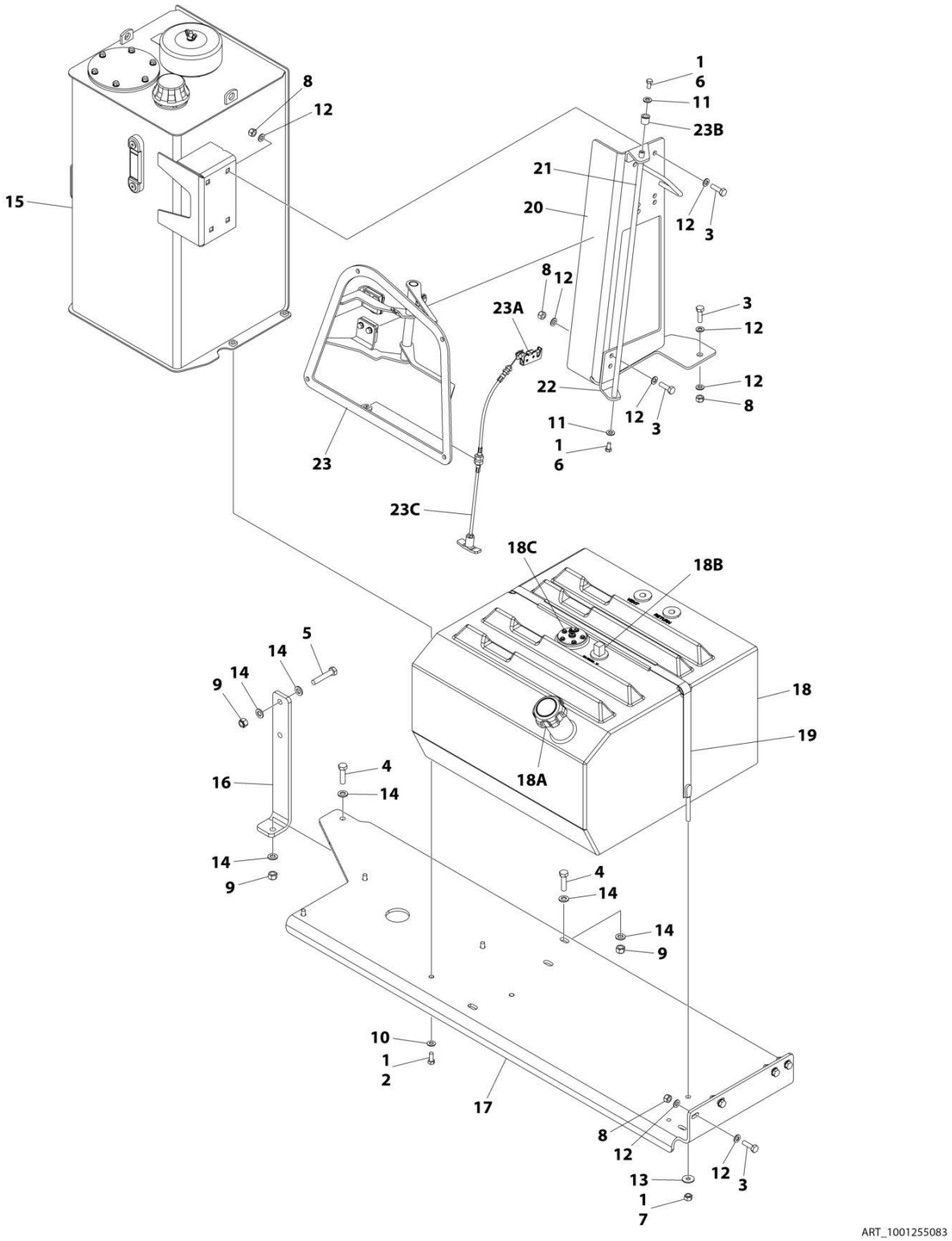


FIGURE 2-8. TANKS INSTALLATION (WITH HELGESEN HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255083	Ref	TANKS INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641608	4	Bolt 3/8 x 1	
3	0701015	11	Bolt M10 x 35	
4	0701217	2	Bolt M12 x 45	
5	0701221	2	Bolt M12 x 65	
6	0760808	2	Bolt M8 x 16	
7	3291001	2	Nut M10	
8	3291005	11	Nut M10	
9	3291205	4	Nut M12	
10	4711600	4	Washer 3/8	
11	4811900	2	Washer M8	
12	4812000	22	Washer M10	
13	4812002	2	Washer M10	
14	4812100	8	Washer M12	
15	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
16	1001199883	1	Support	
17	1001199933	1	Tray	
18	1001201325	1	Tank, Fuel	
18A	70004414	1	Cap, Fill	
18B	7020043	1	Tube, Pickup	
18C	1001148607	1	Sender, Fuel Level	
18C	0731005	5	Screw #10 x 5/8	
18C	4751000	5	Washer #10	
19	1001238954	1	Strap Assembly	
19	1001189119	1	Strap	
19	4280295	48 in/ 122cm	Strip, Protector	
20	1001254407	1	Support, Ground Control	
21	1001255090	1	Rod	
22	1001255091	1	Plate	
23	1001255098	1	Panel Slide Assembly	
23A	2940098	1	Latch	
23B	1001189738	2	Bearing	
23C	1001255432	1	Cable, Release	

FIGURE 2-9. TANKS INSTALLATION (WITH JIANGYING HYDRAULIC TANK)

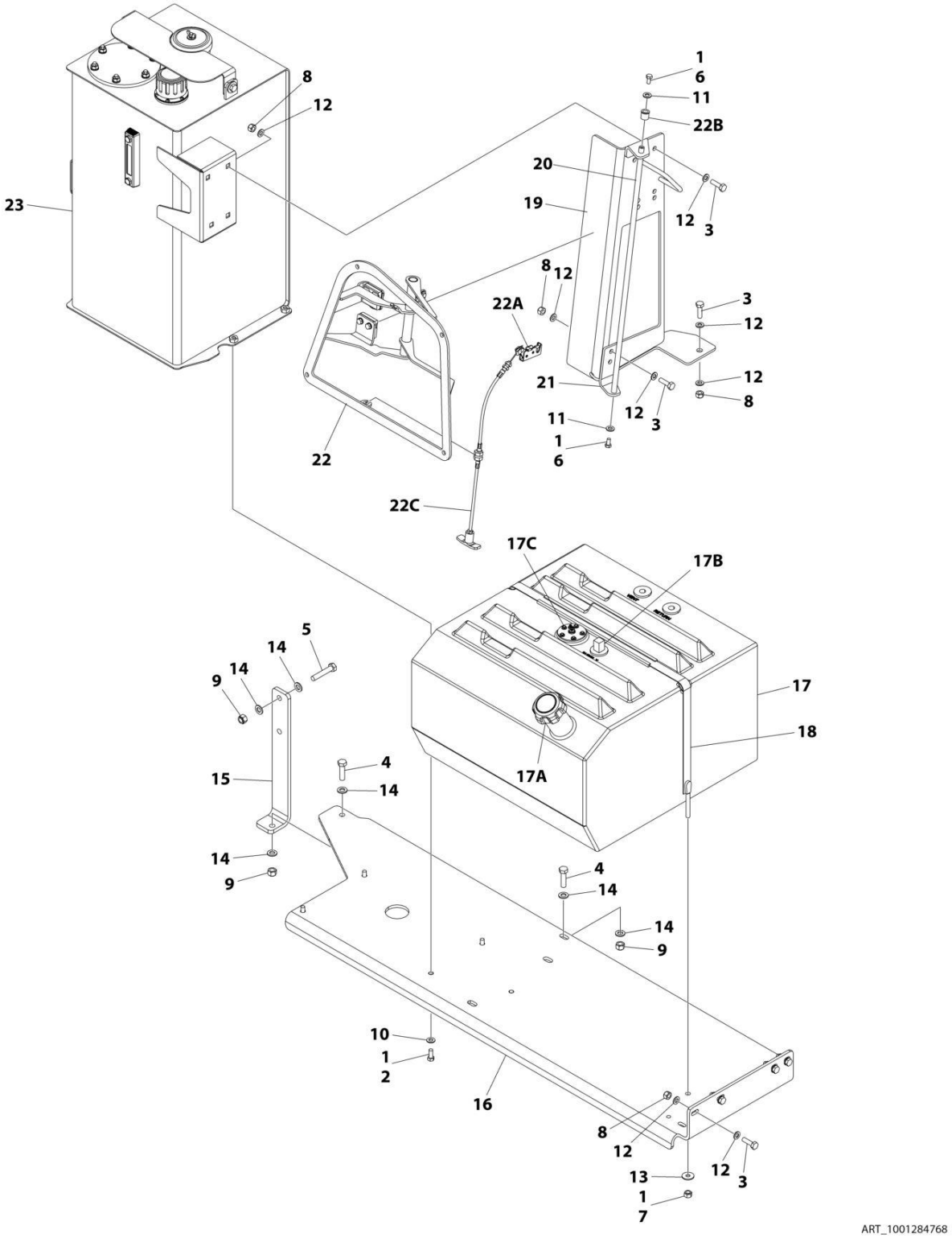


FIGURE 2-9. TANKS INSTALLATION (WITH JIANGYING HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284768	Ref	TANKS INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641608	4	Bolt 3/8 x 1	
3	0701015	11	Bolt M10 x 35	
4	0701217	2	Bolt M12 x 45	
5	0701221	2	Bolt M12 x 65	
6	0760808	2	Bolt M8 x 16	
7	3291001	2	Nut M10	
8	3291005	11	Nut M10	
9	3291205	4	Nut M12	
10	4711600	4	Washer 3/8	
11	4811900	2	Washer M8	
12	4812000	22	Washer M10	
13	4812002	2	Washer M10	
14	4812100	8	Washer M12	
15	1001199883	1	Support	
16	1001199933	1	Tray	
17	1001201325	1	Tank, Fuel	
17A	70004414	1	Cap, Fill	
17B	7020043	1	Tube, Pickup	
17C	1001148607	1	Sender, Fuel Level	
17C	0731005	5	Screw #10 x 5/8	
17C	4751000	5	Washer #10	
18	1001238954	1	Strap Assembly	
18	1001189119	1	Strap	
18	4280295	48 in/ 122cm	Strip, Protector	
19	1001254407	1	Support, Ground Control	
20	1001255090	1	Rod	
21	1001255091	1	Plate	
22	1001255098	1	Panel Slide Assembly	
22A	2940098	1	Latch	
22B	1001189738	2	Bearing	
22C	1001255432	1	Cable, Release	
23	1001267678	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-10. HYDRAULIC TANK ASSEMBLY - HELGESEN

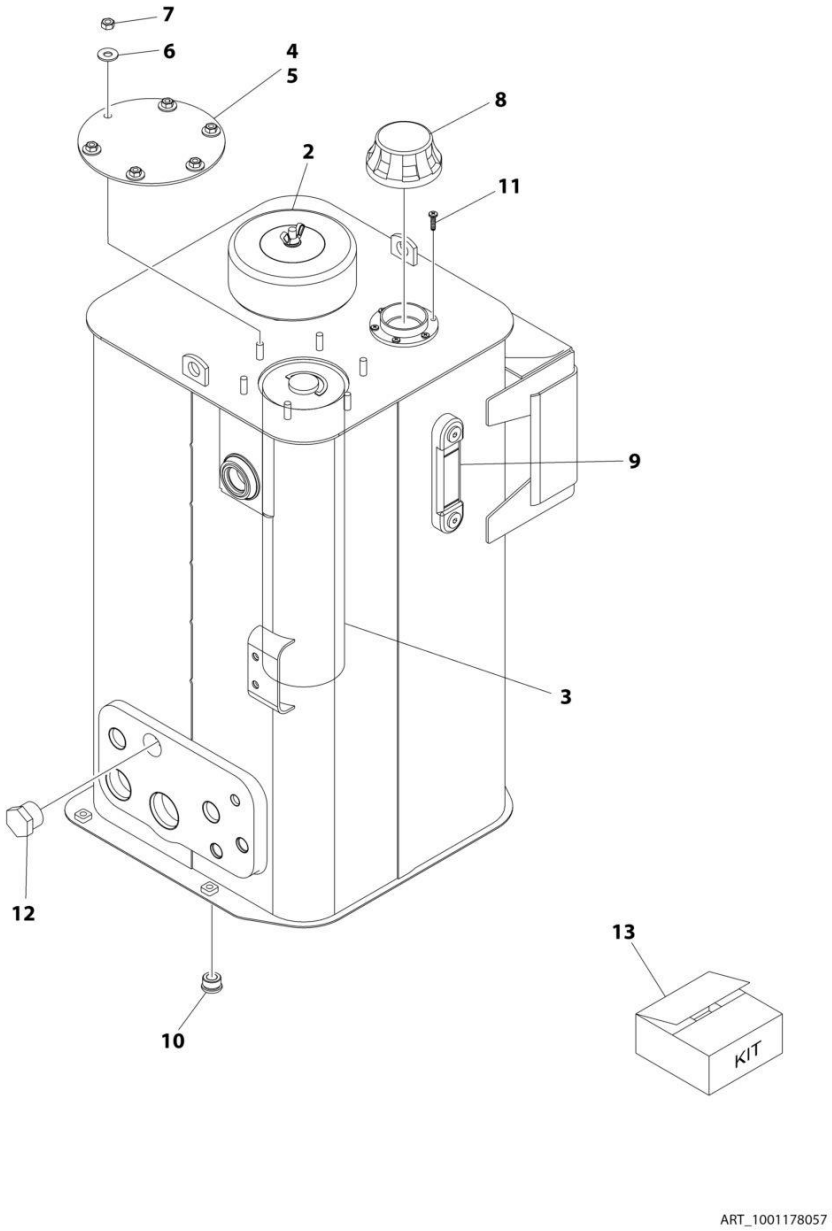


FIGURE 2-10. HYDRAULIC TANK ASSEMBLY - HELGESEN

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 2-11. HYDRAULIC TANK ASSEMBLY - JIANGYING

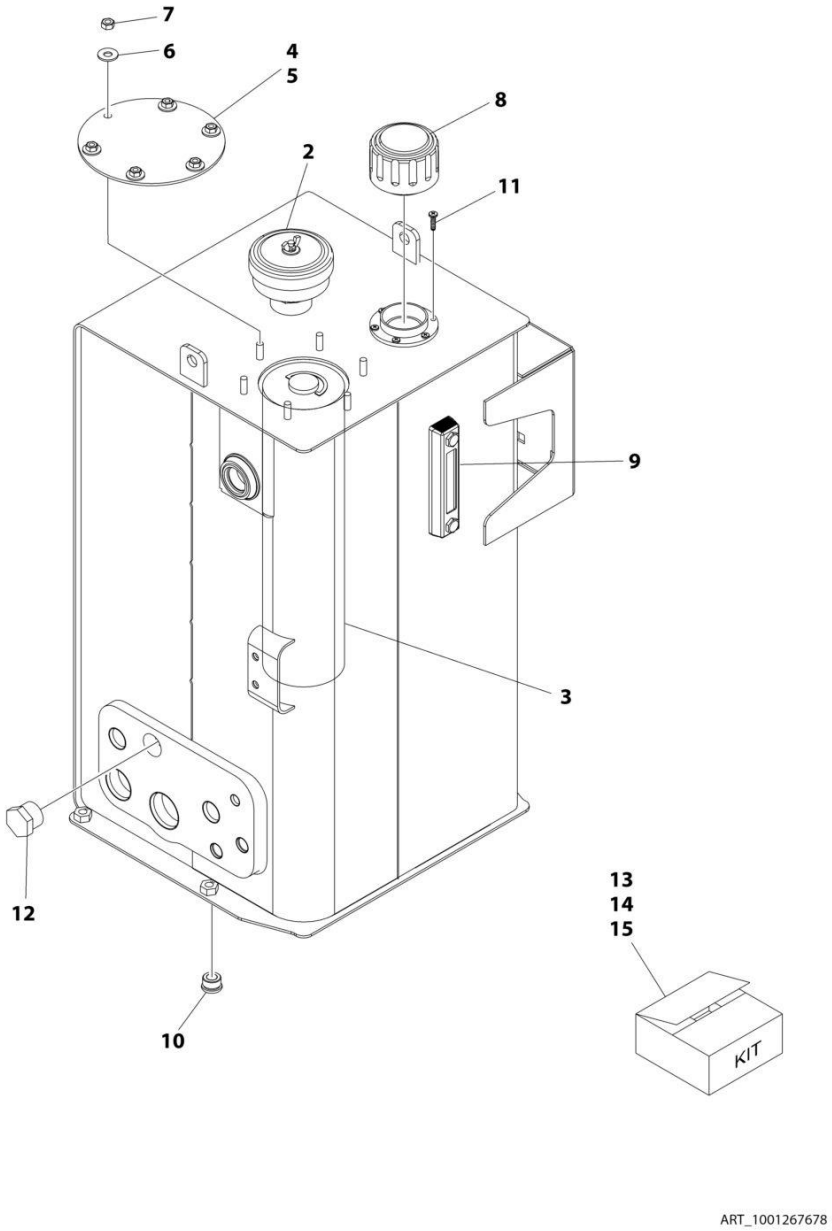


FIGURE 2-11. HYDRAULIC TANK ASSEMBLY - JIANGYING

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 2-12. BATTERY AND AUXILIARY PUMP INSTALLATION

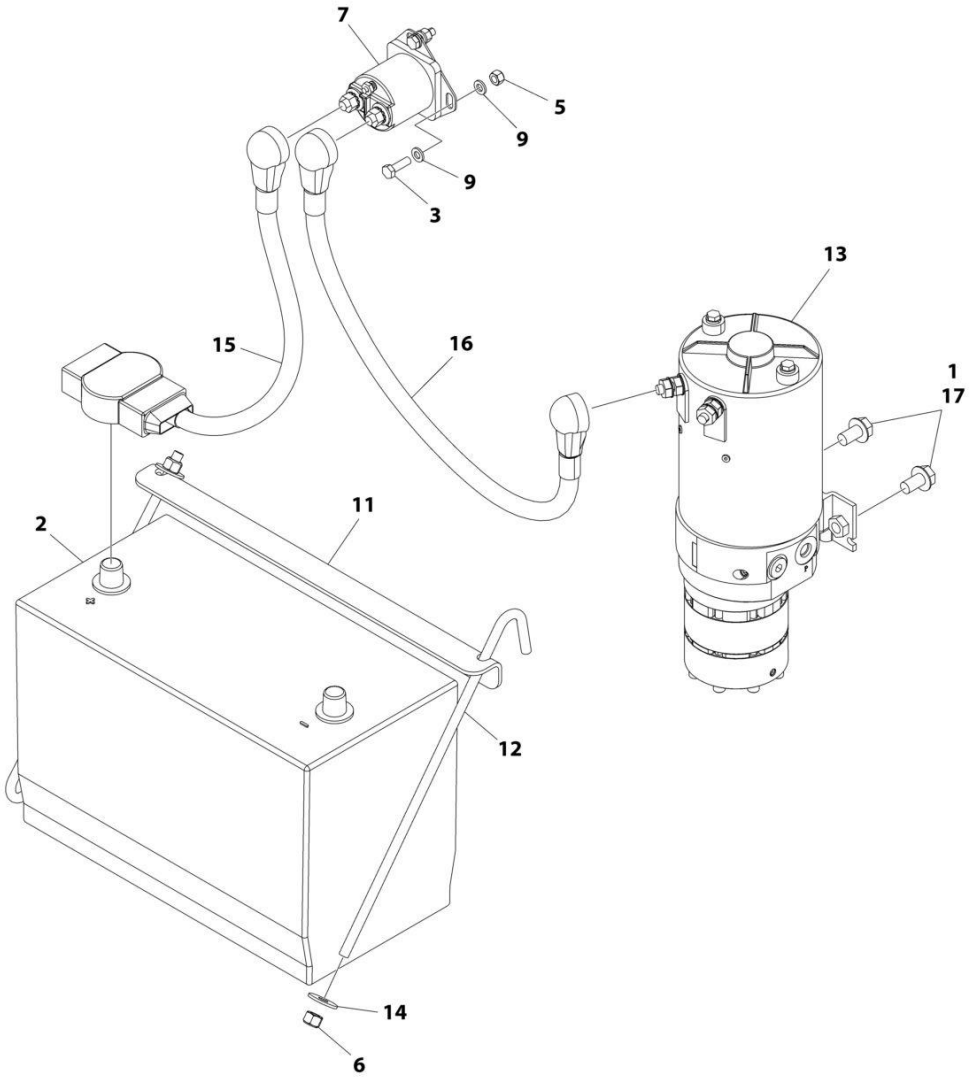


FIGURE 2-12. BATTERY AND AUXILIARY PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186346	Ref	BATTERY AND AUXILIARY PUMP INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0700610	2	Bolt M6 x 20	
5	3290605	2	Nut M6	
6	3290805	2	Nut M8	
7	3740067	1	Relay	
9	4811700	4	Washer M6	
11	91401281	1	Bracket, Hold Down	
12	1001192012	2	J-Bolt	
13	1001187808	1	Auxiliary Pump/Motor Assembly (Note: Replacement Motor is only Service Component Available. For Other Components, Replace Complete Assembly.)	
13	70003998	1	Motor, Replacement	
14	4811902	2	Washer M8	
15	1001188664	1	Cable, Battery (+)	
16	1001188666	1	Cable, Aux Relay to Aux Pump	
17	5251009	2	Bolt M10 x 18	

FIGURE 2-13. BATTERY AND AUXILIARY PUMP WITH DISCONNECT SWITCH INSTALLATION

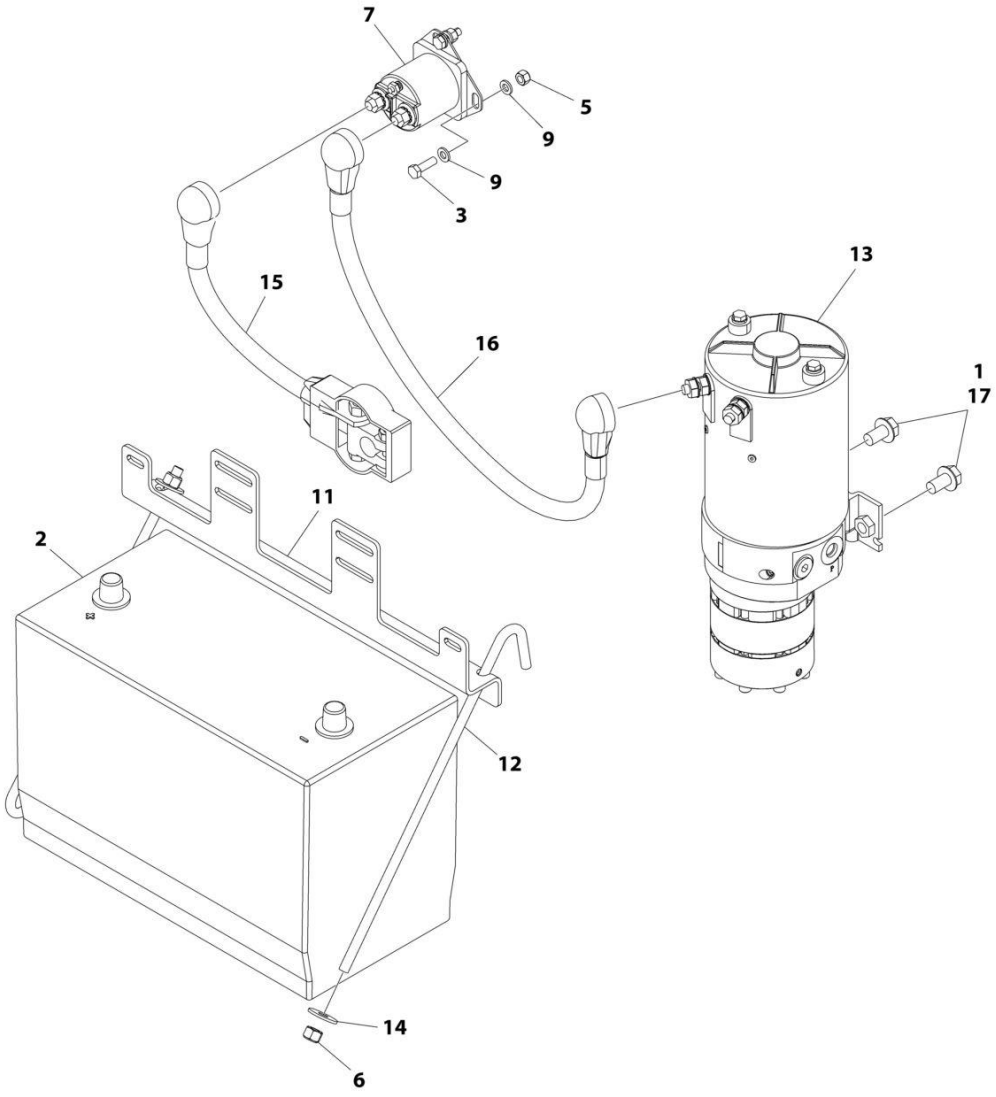
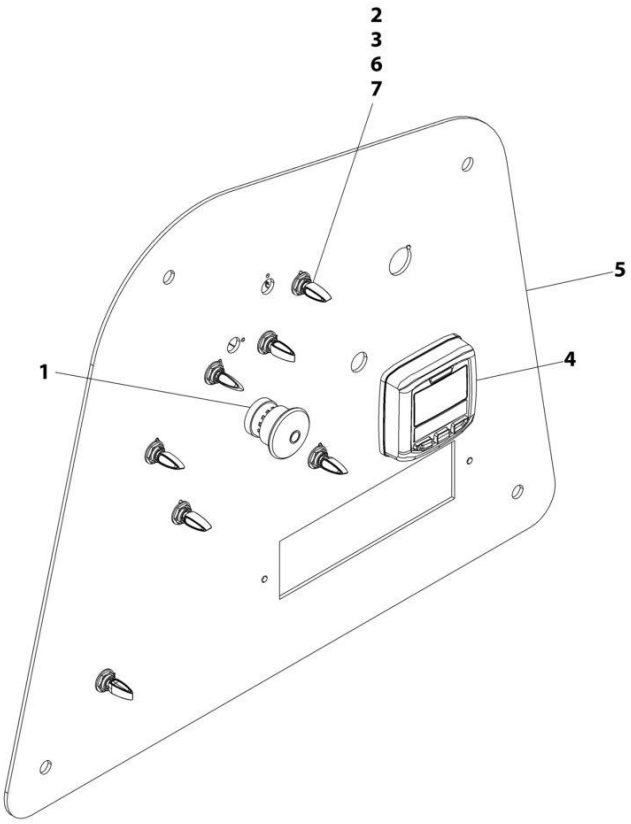


FIGURE 2-13. BATTERY AND AUXILIARY PUMP WITH DISCONNECT SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238663	Ref	BATTERY AND AUXILIARY PUMP W/DISCONNECT SWITCH INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0700610	2	Bolt M6 x 20	
5	3290605	2	Nut M6	
6	3290805	2	Nut M8	
7	3740067	1	Relay	
9	4811700	4	Washer M6	
11	1001236303	1	Bracket, Hold Down	
12	1001192012	2	J-Bolt	
13	1001187808	1	Auxiliary Pump/Motor Assembly (Note: Replacement Motor is only Service Component Available. For Other Components, Replace Complete Assembly.)	
13	70003998	1	Motor, Replacement	
14	4811902	2	Washer M8	
15	1001188664	1	Cable, Battery (+)	
16	1001188666	1	Cable, Aux Relay to Aux Pump	
17	5251009	2	Bolt M10 x 18	

FIGURE 2-14. GROUND CONTROL ASSEMBLY (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)



NOTE: FOR LIGHT PANEL COMPONENTS, SEE SEPARATE BREAKDOWN IN ELECTRICAL INSTALLATION OR LIGHT PANEL INSTALLATION.

ART_1001250273

FIGURE 2-14. GROUND CONTROL ASSEMBLY (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250273	Ref	GROUND CONTROL PANEL ASSEMBLY	B
1	4360475	1	Switch, Emergency Stop	
1	7020175	1	Cap	
1	7020176	1	Block, Contact	
2	1001155043	7	Washer	
3	1001155044	7	Nut 15/32	
4	1001171482	1	Gauge	
5	1001191126	1	Plate	
6	4740397	7	Washer	
7	1001155045	7	Switch, Toggle	
8	4460234	AR	Mount, Tie Strap (Not Shown)	

FIGURE 2-15. GROUND CONTROL ASSEMBLY (DEUTZ TD2.2L3 ENGINES)

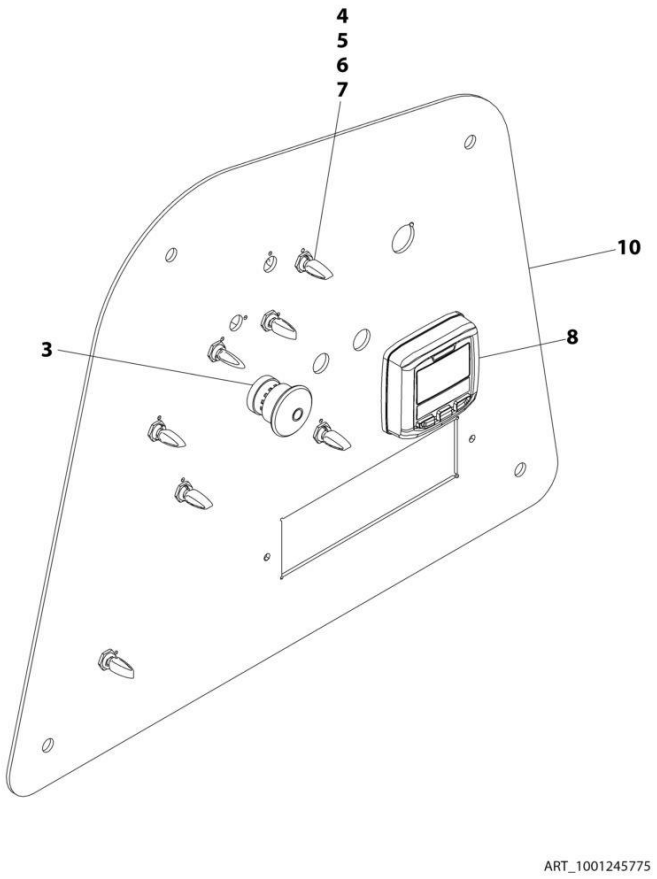


FIGURE 2-15. GROUND CONTROL ASSEMBLY (DEUTZ TD2.2L3 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245775	Ref	GROUND CONTROL PANEL ASSEMBLY	B
3	4360475	1	Switch, Emergency Stop	
3	7020175	1	Cap	
3	7020176	1	Block, Contact	
4	4740397	7	Washer	
5	1001155043	7	Washer	
6	1001155044	7	Nut 15/32	
7	1001155045	7	Switch, Toggle	
8	1001171482	1	Gauge	
10	1001245773	1	Plate	

FIGURE 2-16. KEYSWITCH INSTALLATION (ALL SPECS EXCEPT CE SPECS)

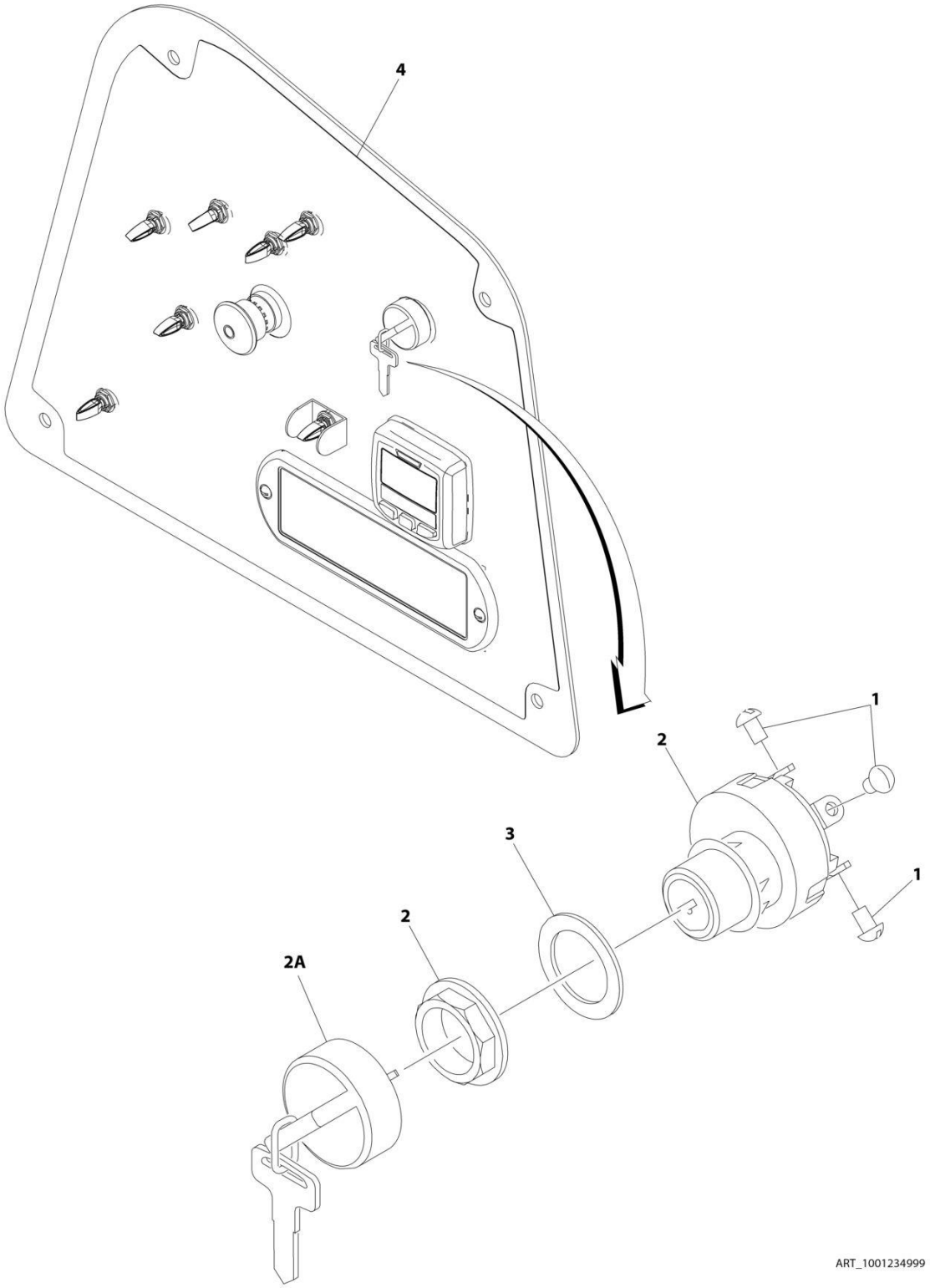


FIGURE 2-16. KEYSWITCH INSTALLATION (ALL SPECS EXCEPT CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234999	Ref	KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2A	2860030	1 Set	Key, Replacement	
3	1001151393	1	Shim	
4	1001246393	1	Decal - Ground Control Panel	

FIGURE 2-17. KEYSWITCH INSTALLATION (CE SPECS) (Prior to SN 0300275371)

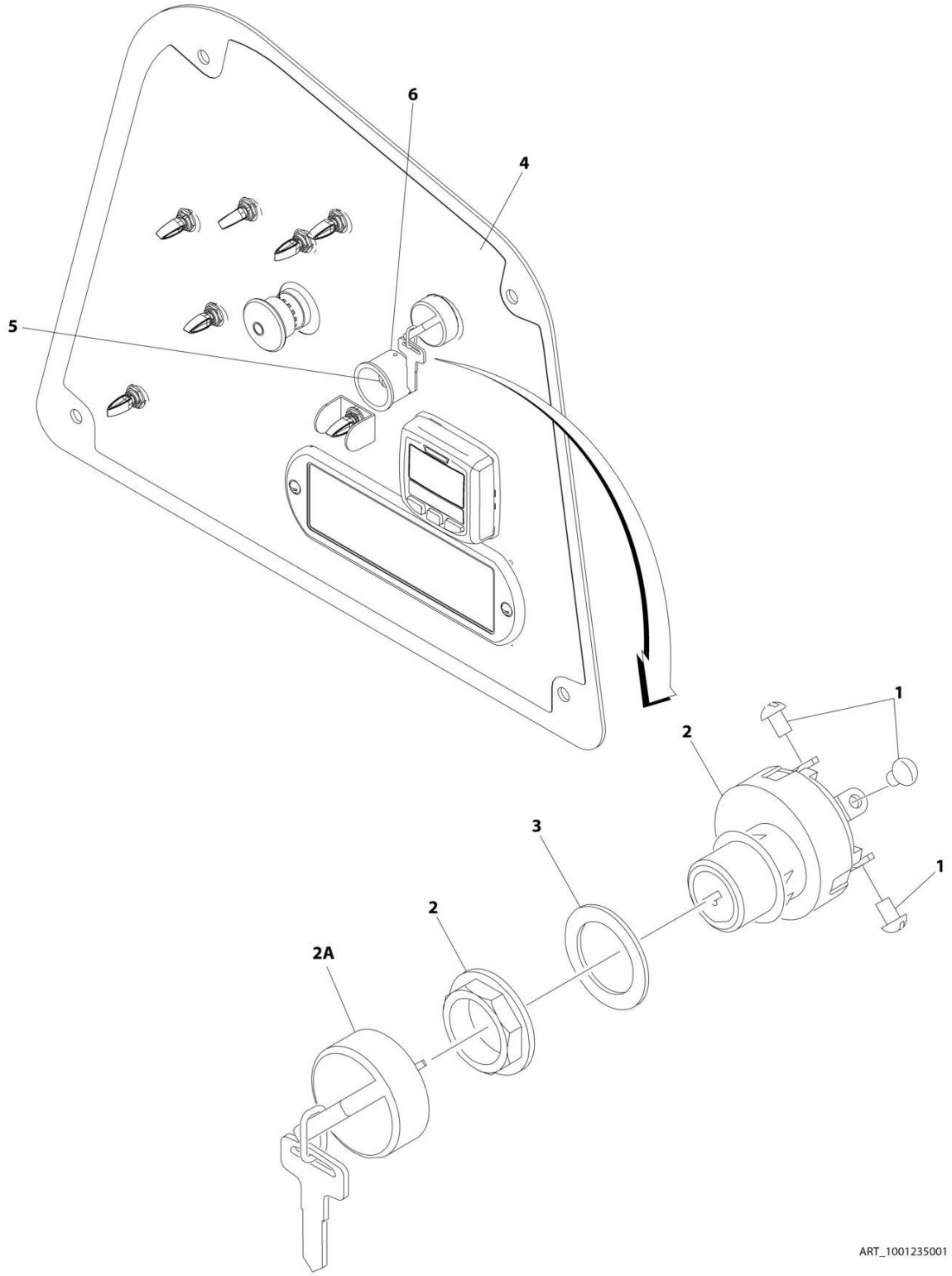


FIGURE 2-17. KEYSWITCH INSTALLATION (CE SPECS) (Prior to SN 0300275371)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235001	Ref	KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2A	2860030	1 Set	Key, Replacement	
3	1001151393	1	Shim	
4	1001246394	1	Decal - Ground Control Panel	
5	4360387	1	Switch, Push Button	
6	1001176469	1	Shroud, Switch	

FIGURE 2-18. KEYSWITCH INSTALLATION (CE SPECS) (SN 0300275371 to Present)

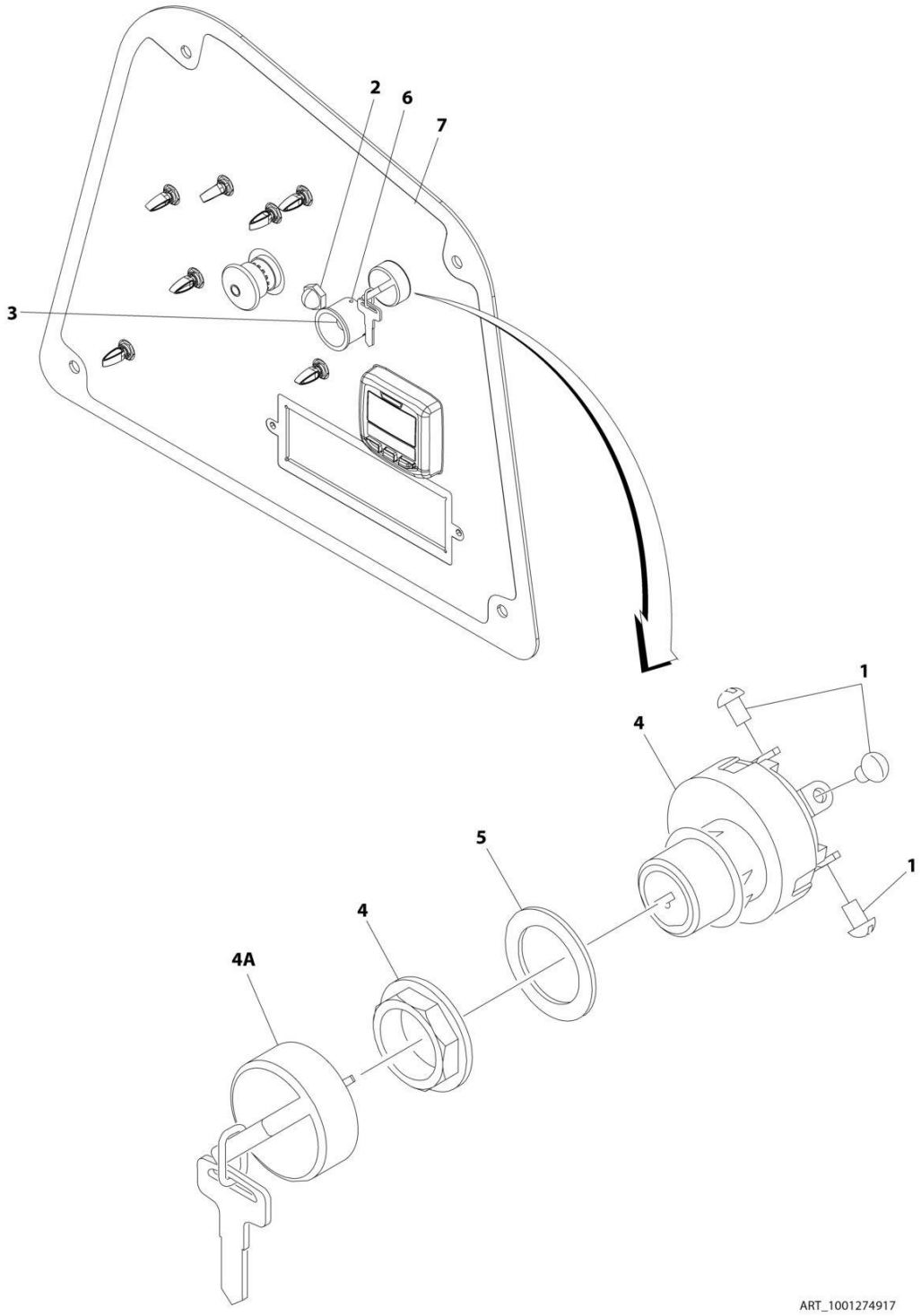


FIGURE 2-18. KEYSWITCH INSTALLATION (CE SPECS) (SN 0300275371 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274917	Ref	KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360274	1	Switch, Gray Push Button	
3	4360387	1	Switch, Push Button	
4	4360469	1	Switch, Key	
4A	2860030	1 Set	Key, Replacement	
5	1001151393	1	Shim	
6	1001176469	1	Shroud, Switch	
7	1001274920	1	Decal - Ground Control Panel	

FIGURE 2-19. CONTROLLER COVER INSTALLATION

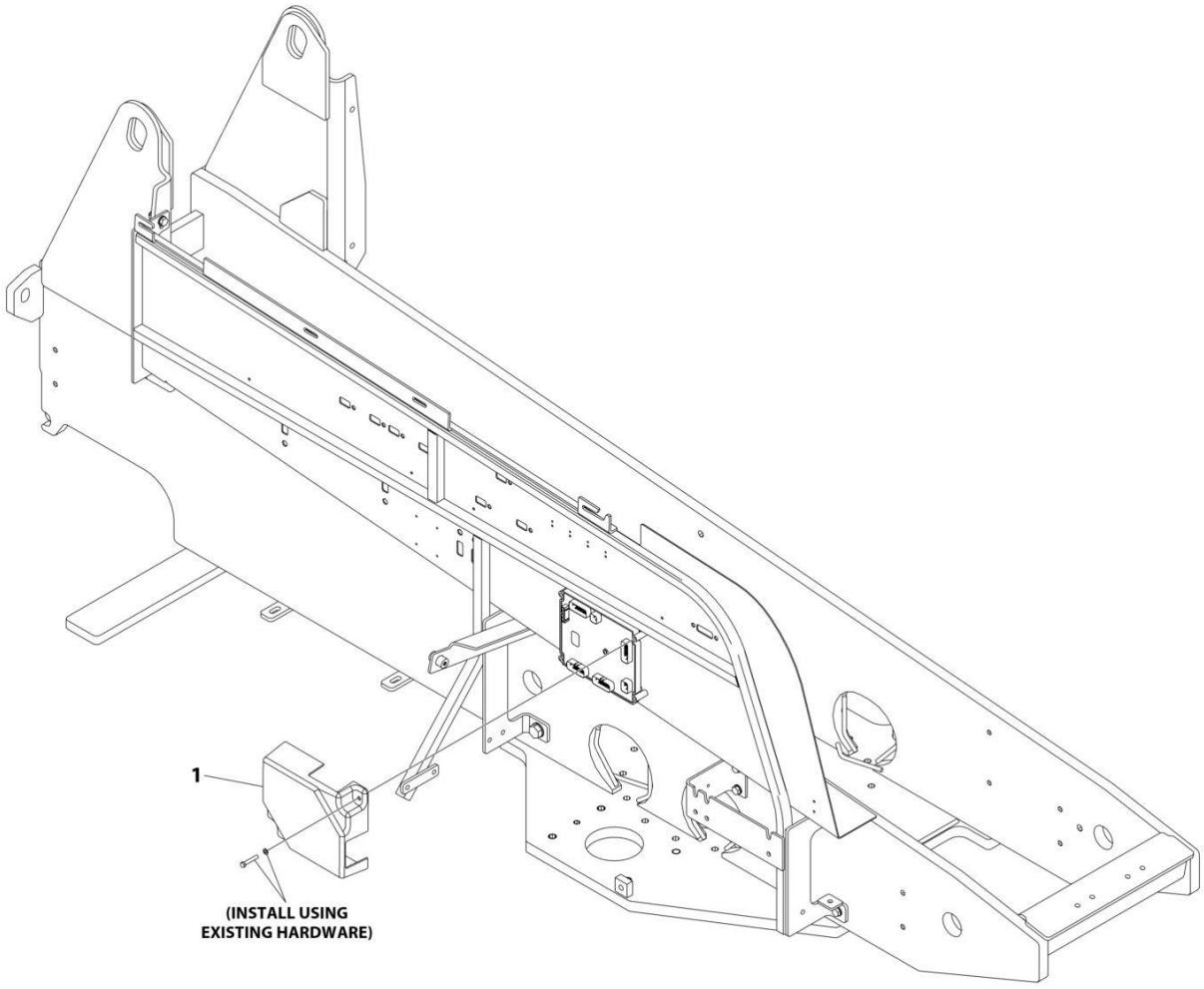


FIGURE 2-19. CONTROLLER COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258085	Ref	CONTROLLER COVER INSTALLATION	A
1	1001218539	1	Cover, Controller	

FIGURE 2-20. STROBE LIGHT INSTALLATION - AMBER (OPTIONAL)

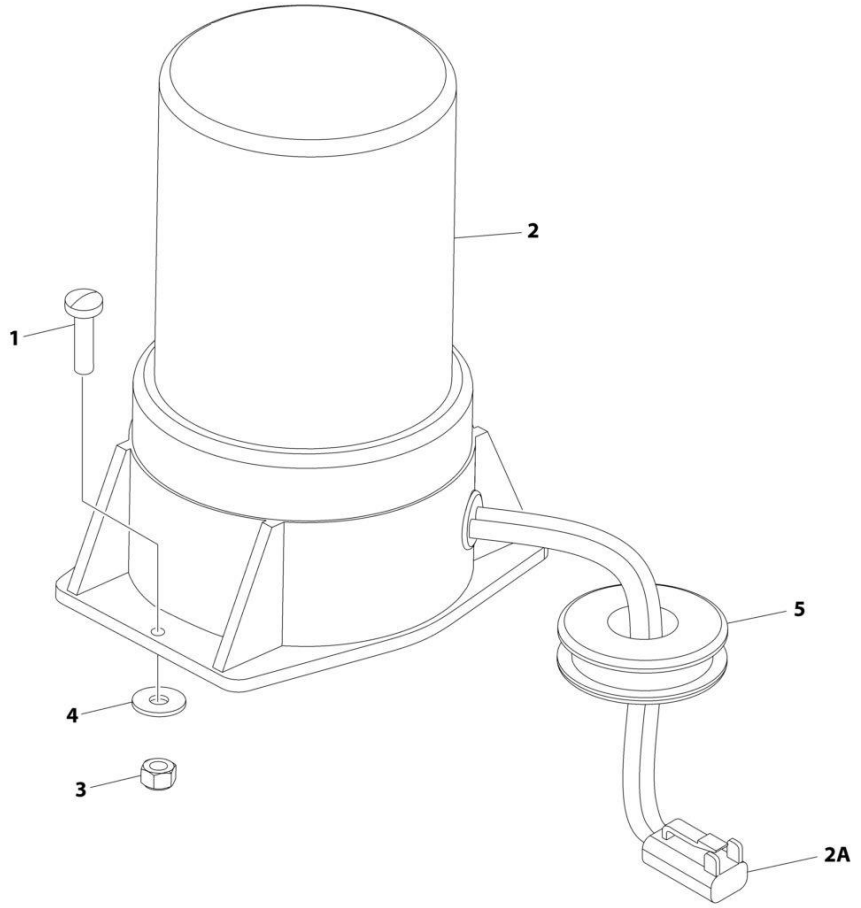


FIGURE 2-20. STROBE LIGHT INSTALLATION - AMBER (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191557	Ref	STROBE LIGHT INSTALLATION	D
1	4010510	2	Screw M5 x 20	
2	2920161	1	Light Strobe (Amber)	
2	7016319	1	Bulb	
2	7016372	1	Lens	
2A	4460891	1	Plug, Male - 2 Position	
2A	4460465	2	Socket, Female	
3	3290505	2	Nut M5	
4	4811600	2	Washer M5	
5	2540020	1	Grommet	
7	4240099	1	Tie-Strap (Not Shown)	

FIGURE 2-21. STROBE LIGHT INSTALLATION - BLUE (OPTIONAL)

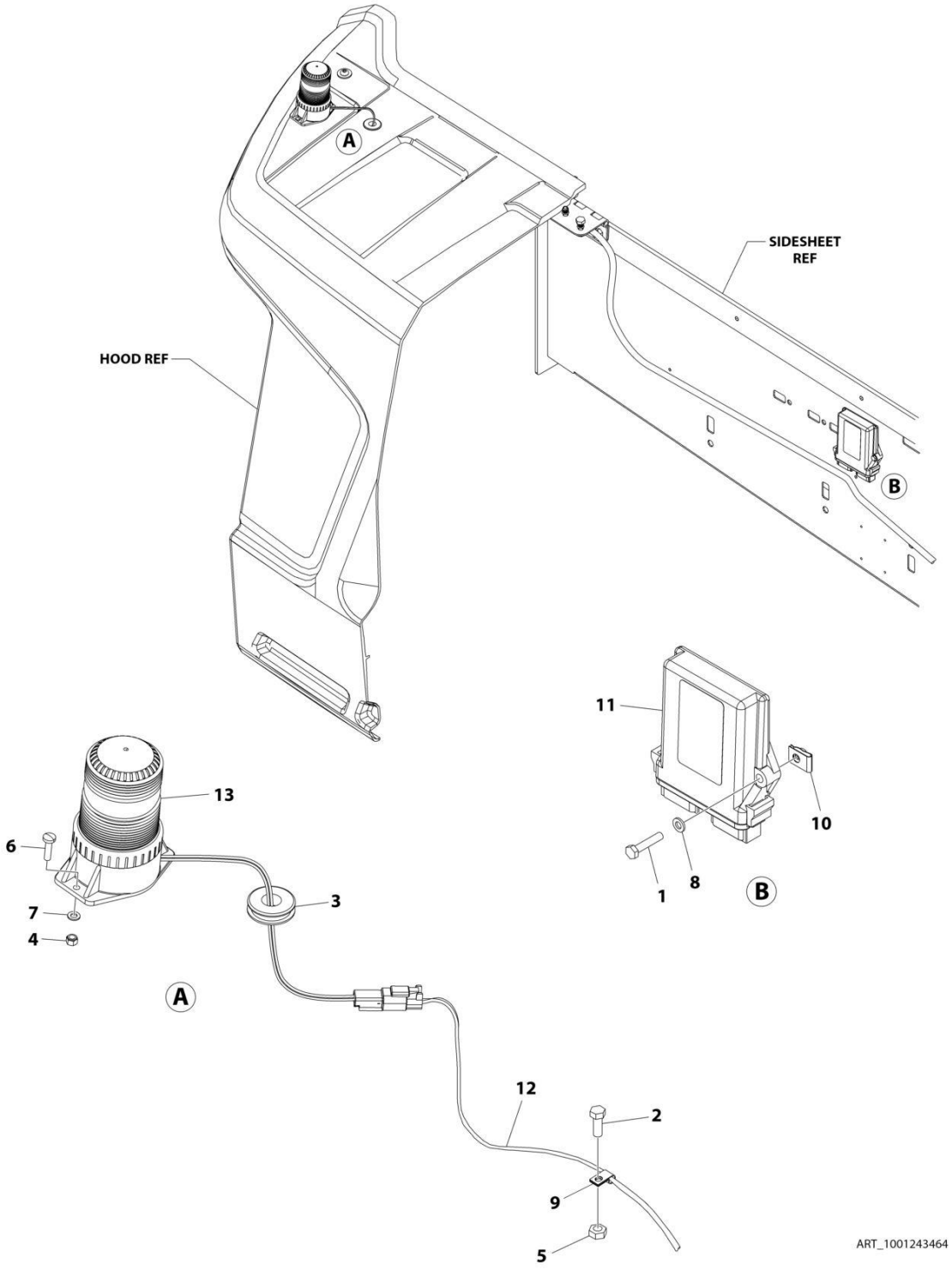


FIGURE 2-21. STROBE LIGHT INSTALLATION - BLUE (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243464	Ref	STROBE LIGHT INSTALLATION	A
1	0760614	2	Bolt M6 x 30	
2	0761016	1	Bolt M10 x 40	
3	2540020	1	Grommet	
4	3290505	2	Nut M5	
5	3291005	1	Nut M10	
6	4010510	2	Screw M5 x 20	
7	4811600	2	Washer M5	
8	4811700	2	Washer M6	
9	8406110	1	Clip	
10	1001130220	2	Nut, Tinnerman M6	
11	1001142683	1	Module, Beacon Control	
12	1001142736	1	Strobe Light Control Harness (See Separate Breakdown in ELECTRICAL SECTION)	
13	1001200910	1	Light, Strobe (Blue)	
13	4460897	2	Receptacle, Female - 2 Position	
13	4460464	4	Pin, Male	

FIGURE 2-22. STROBE LIGHT INSTALLATION - RED (OPTIONAL)

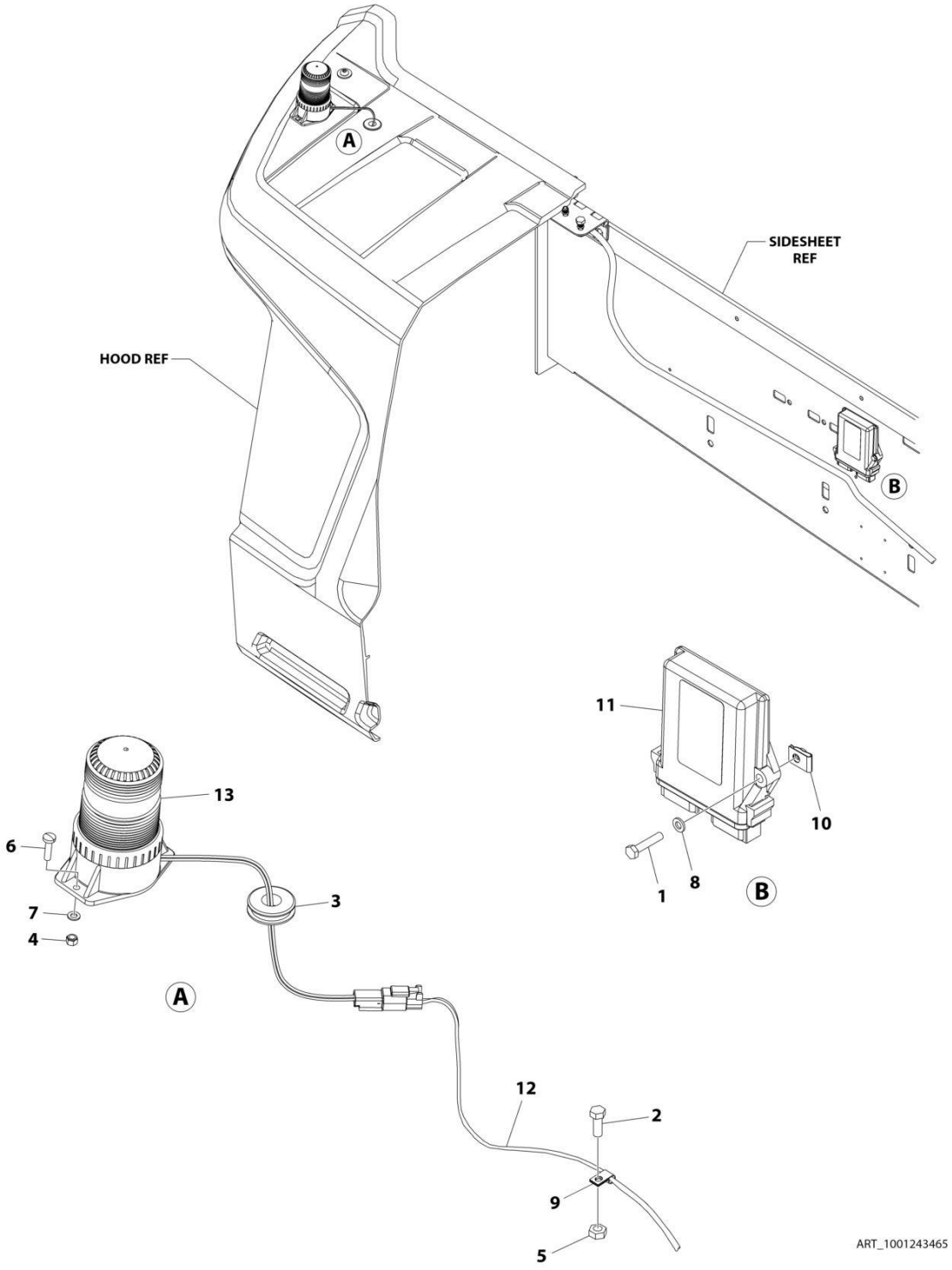


FIGURE 2-22. STROBE LIGHT INSTALLATION - RED (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243465	Ref	STROBE LIGHT INSTALLATION	A
1	0760614	2	Bolt M6 x 30	
2	0761016	1	Bolt M10 x 40	
3	2540020	1	Grommet	
4	3290505	2	Nut M5	
5	3291005	1	Nut M10	
6	4010510	2	Screw M5 x 20	
7	4811600	2	Washer M5	
8	4811700	2	Washer M6	
9	8406110	1	Clip	
10	1001130220	2	Nut, Tinnerman M6	
11	1001142683	1	Module, Beacon Control	
12	1001142736	1	Strobe Light Control Harness (See Separate Breakdown in ELECTRICAL SECTION)	
13	1001207004	1	Light, Strobe (Red)	
13	4460897	2	Receptacle, Female - 2 Position	
13	4460464	4	Pin, Male	

FIGURE 2-23. WHITE NOISE ALARM INSTALLATION

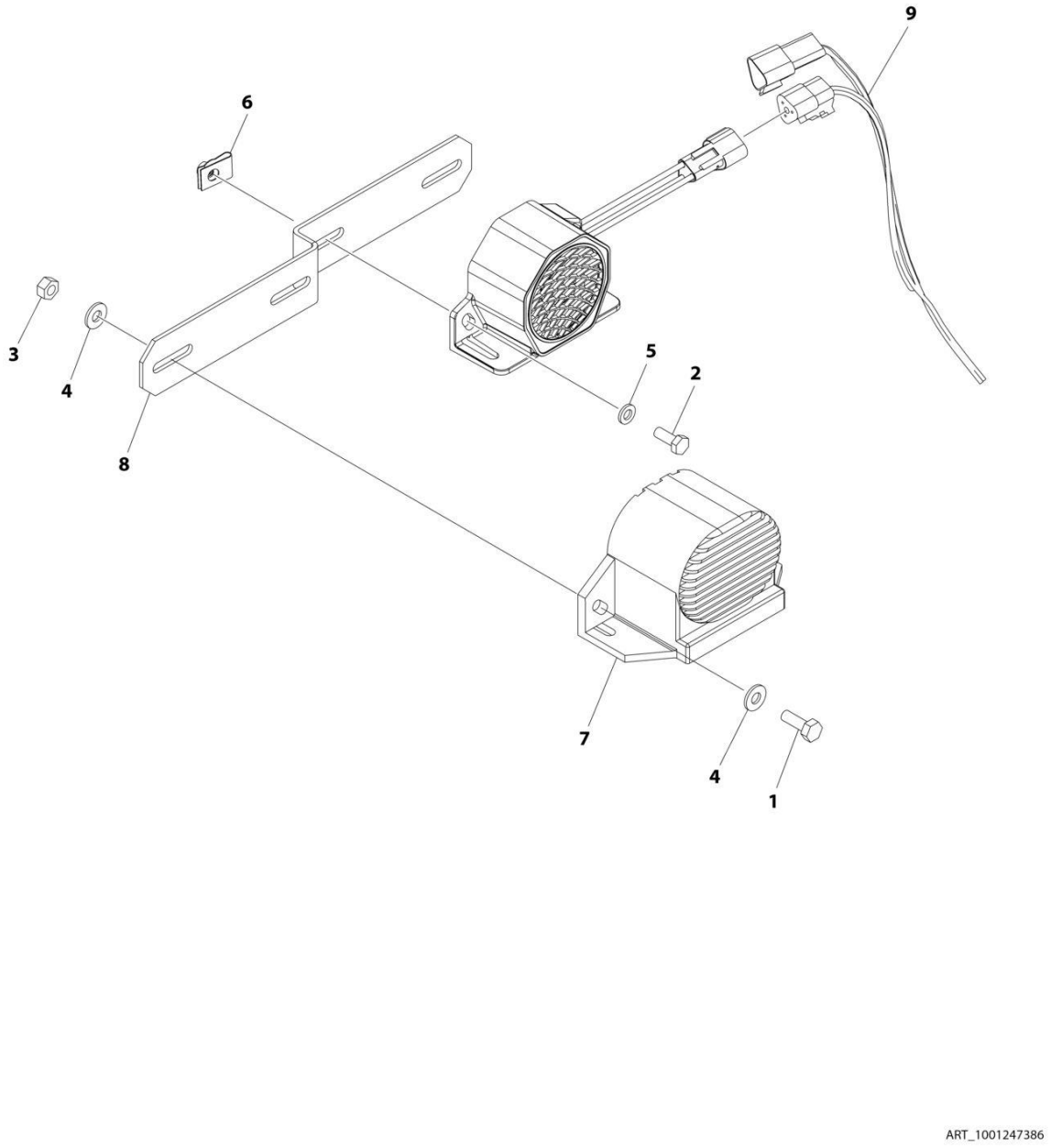
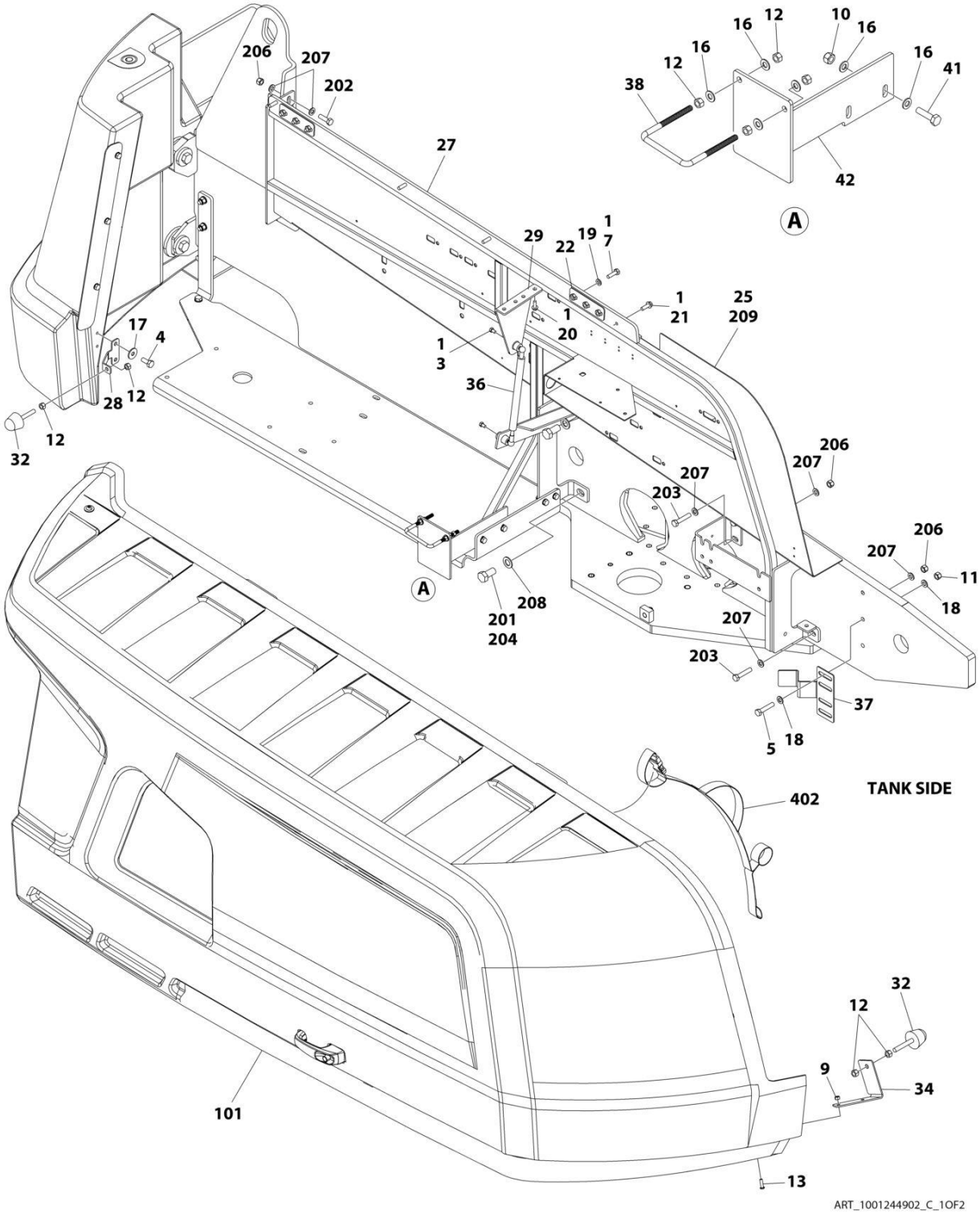


FIGURE 2-23. WHITE NOISE ALARM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247386	Ref	WHITE NOISE ALARM INSTALLATION	A
1	0641406	2	Bolt 1/4 x 3/4	
2	0760608	2	Bolt M6 x 16	
3	3311405	2	Nut 1/4	
4	4711400	4	Washer 1/4	
5	4811700	2	Washer M6	
6	1001130220	2	Nut, Tinnerman M6	
7	1001182806	1	Alarm	
8	1001231711	1	Bracket	
9	1001243682	1	White Noise Alarm Harness (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 2-24. HOODS INSTALLATIONS - ABS (DEUTZ TD2.2L3 - STAGE V ENGINES)



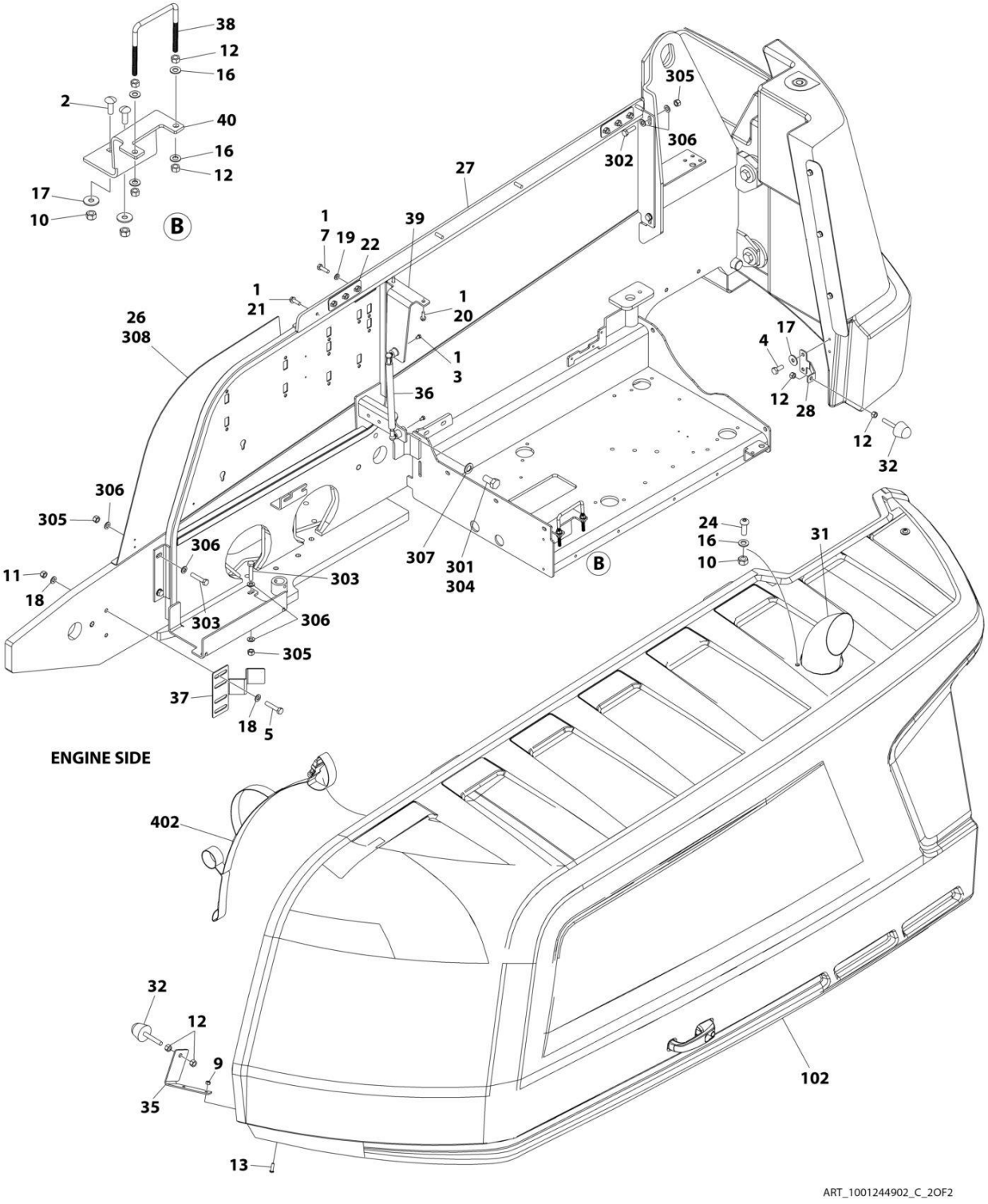
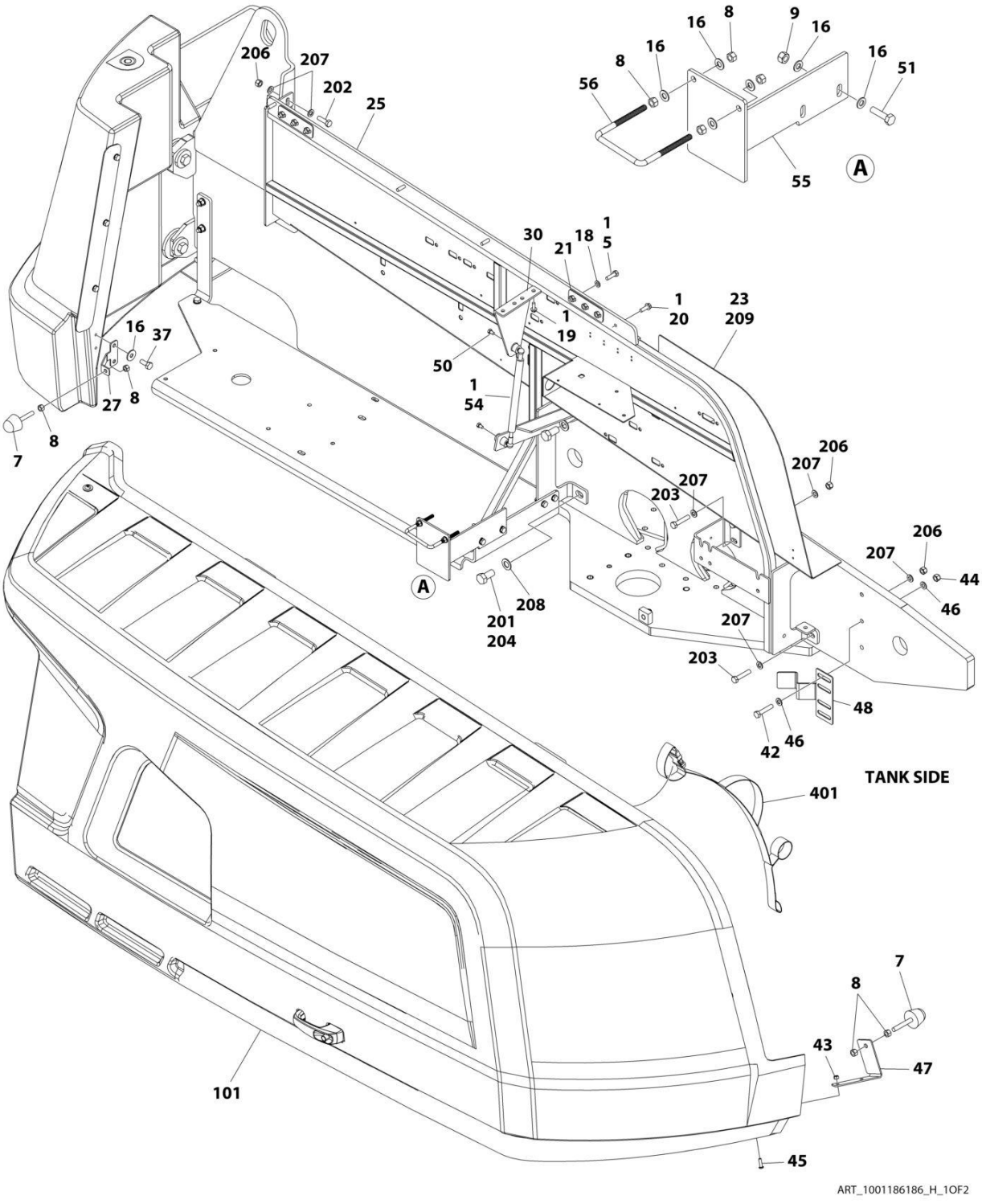

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FIGURE 2-24. HOODS INSTALLATIONS - ABS (DEUTZ TD2.2L3 - STAGE V ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244902	Ref	HOODS INSTALLATIONS	C
1	0100011	AR	Compound, Locking	
2	0630613	2	Bolt M10 x 30	
3	0641504	4	Bolt 5/16 x 1/2	
4	0701012	2	Bolt M10 x 25	
5	0701220	2	Bolt M12 x 60	
7	0761015	12	Bolt M10 x 35	
9	3290605	4	Nut M6	
10	3291005	6	Nut M10	
11	3291205	2	Nut M12	
12	3311601	16	Nut 3/8	
13	3900364	4	Screw M6 x 20	
16	4812000	14	Washer M10	
17	4812002	4	Washer M10	
18	4812100	4	Washer M12	
19	5241000	12	Washer M10	
20	5250812	4	Bolt M8 x 25	
21	5251014	8	Bolt M10 x 30	
22	1001169046	4	Nut, Hinge	
24	1001174673	2	Screw M10 x 30	
25	1001187950	1	Side-Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)	
26	1001187951	1	Side-Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)	
27	1001189067	2	Mount	
28	1001190338	2	Bracket	
29	1001192841	1	Bracket	
31	1001193760	1	Pipe, Exhaust	
32	1001206314	4	Bumper	
34	1001213543	1	Bracket	
35	1001213744	1	Bracket	
36	1001213794	4	Spring, Gas	
37	1001231310	2	Bracket	
38	1001243414	2	Bolt, U-Bolt	
39	1001243654	1	Bracket	
40	1001244878	1	Bracket	
41	0701016	2	Bolt M10 x 40	
42	1001243171	1	Support	
100	1001227887	1	Hood Kit (Not Shown)	
101	1001195454	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	
102	1001195455	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
	1001187950	Ref	SIDE-SHEET ASSEMBLY - TANK SIDE	C
201	0100011	AR	Compound, Locking	
202	0701216	2	Bolt M12 x 40	
203	0701220	4	Bolt M12 x 60	
204	0762016	2	Bolt M20 x 40	
206	3291205	6	Nut M12	
207	4812100	12	Washer M12	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
208	4812500	2	Washer M20	
209	1001188194	1	Side-Sheet, Tank Side	
	1001187951	Ref	SIDE-SHEET ASSEMBLY - ENGINE SIDE	B
301	0100011	AR	Compound, Locking	
302	0701216	2	Bolt M12 x 40	
303	0701220	3	Bolt M12 x 60	
304	0762016	1	Bolt M20 x 40	
305	3291205	5	Nut M12	
306	4812100	10	Washer M12	
307	4812500	1	Washer M20	
308	1001188187	1	Side-Sheet, Engine Side	
	1001270242	Ref	STRAP INSTALLATION	A
402	1001160505	2	Strap, Hand	

FIGURE 2-25. HOODS INSTALLATIONS - ABS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)



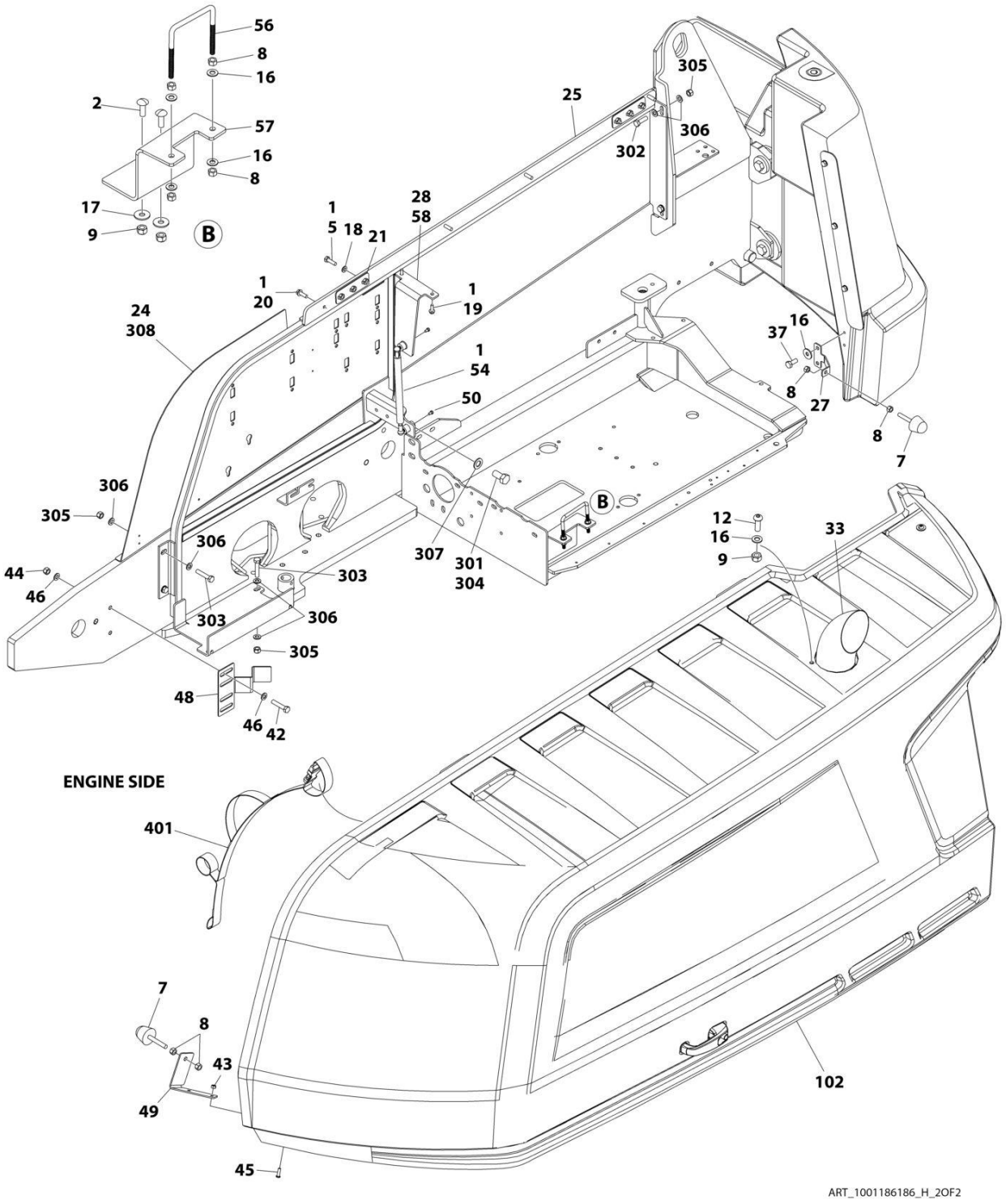

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ART_1001186186_H_2OF2

FIGURE 2-25. HOODS INSTALLATIONS - ABS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186186	Ref	HOODS INSTALLATIONS	H
1	0100011	AR	Compound, Locking	
2	0630613	2	Bolt M10 x 30	
4	0760810	8	Bolt M8 x 20	
5	0761015	12	Bolt M10 x 35	
7	1001206314	4	Bumper	
8	3311601	16	Nut 3/8	
9	3291005	6	Nut M10	
12	1001174673	2	Screw M10 x 30	
16	4812000	14	Washer M10	
17	4812002	4	Washer M10	
18	5241000	12	Washer M10	
19	5250812	4	Bolt M8 x 25	
20	5251014	8	Bolt M10 x 30	
21	1001169046	4	Nut, Hinge	
23	1001187950	1	Side-Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)	
24	1001187951	1	Side-Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)	
25	1001189067	2	Mount	
27	1001190338	2	Bracket	
30	1001192841	1	Bracket	
33	1001193760	1	Pipe, Exhaust	
37	0701012	2	Bolt M10 x 25	
42	0701220	2	Bolt M12 x 60	
43	3290605	4	Nut M6	
44	3291205	2	Nut M12	
45	3900364	4	Screw M6 x 20	
46	4812100	4	Washer M12	
47	1001213543	1	Bracket	
48	1001231310	2	Bracket	
49	1001213744	1	Bracket	
50	0641504	4	Bolt 5/16 x 1/2	
51	0701016	2	Bolt M10 x 40	
54	1001213794	2	Spring, Gas	
55	1001243171	1	Support	
56	1001243414	2	U-Bolt 3/8	
57	1001243522	1	Bracket	
58	1001243654	1	Bracket	
100	1001227887	1	Hood Kit (Not Shown)	
101	1001195454	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	
102	1001195455	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
	1001187950	Ref	SIDE-SHEET ASSEMBLY - TANK SIDE	C
201	0100011	AR	Compound, Locking	
202	0701216	2	Bolt M12 x 40	
203	0701220	4	Bolt M12 x 60	
204	0762016	2	Bolt M20 x 40	
206	3291205	6	Nut M12	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
207	4812100	12	Washer M12	
208	4812500	2	Washer M20	
209	1001188194	1	Side-Sheet, Tank Side	
	1001187951	Ref	SIDE-SHEET ASSEMBLY - ENGINE SIDE	B
301	0100011	AR	Compound, Locking	
302	0701216	2	Bolt M12 x 40	
303	0701220	3	Bolt M12 x 60	
304	0762016	1	Bolt M20 x 40	
305	3291205	5	Nut M12	
306	4812100	10	Washer M12	
307	4812500	1	Washer M20	
308	1001188187	1	Side-Sheet, Engine Side	
	1001253940	Ref	STRAP INSTALLATION	A
401	1001160505	2	Strap, Hand	

FIGURE 2-26. HOOD ASSEMBLY - ENGINE SIDE (ABS)

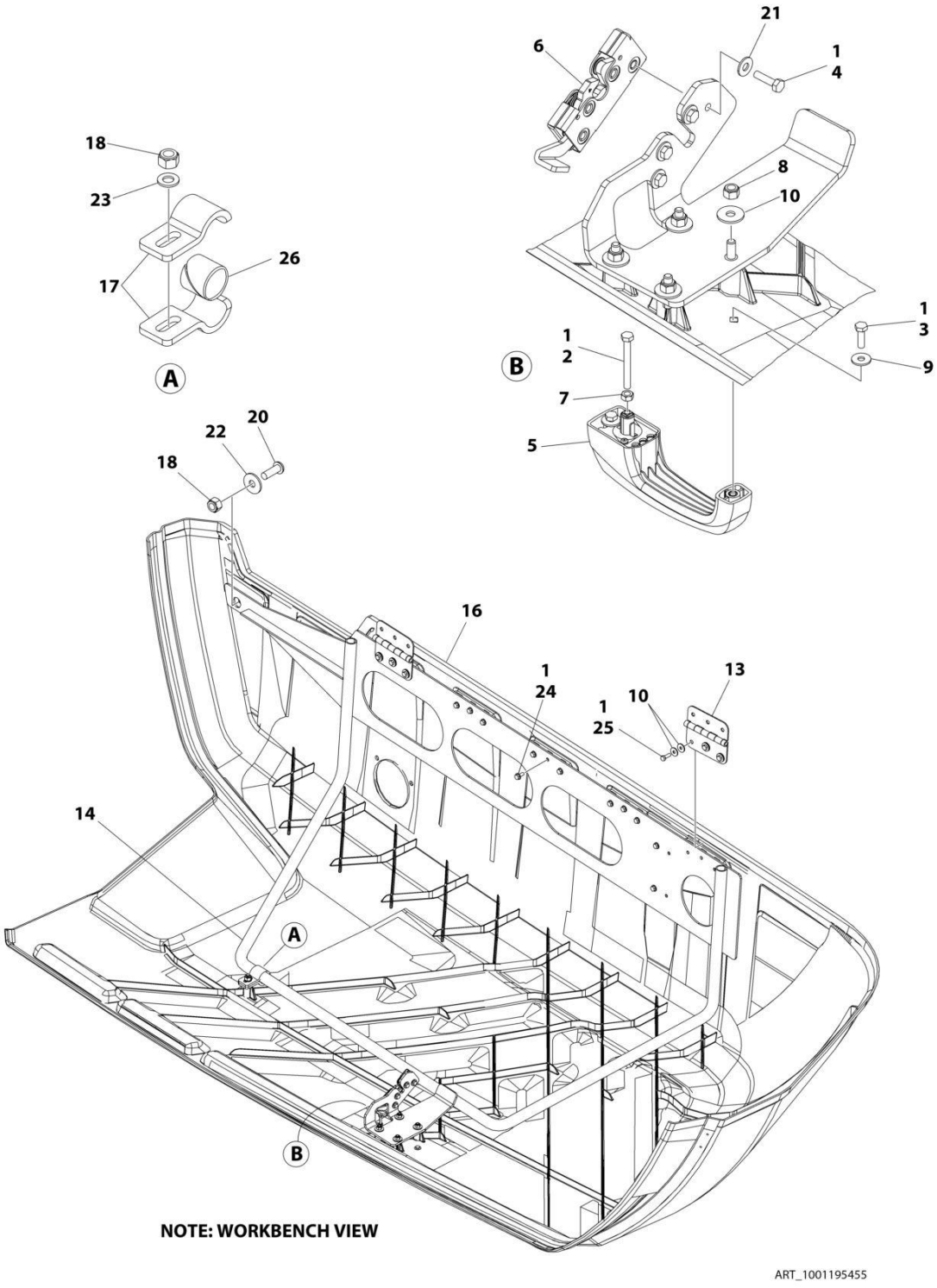


FIGURE 2-26. HOOD ASSEMBLY - ENGINE SIDE (ABS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195455	Ref	HOOD ASSEMBLY	H
1	0100011	AR	Compound, Locking	
2	0700619	1	Bolt M6 x 55	
3	0760610	2	Bolt M6 x 20	
4	0641408	4	Bolt 1/4 x 1	
5	2560187	1	Handle, Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	3290805	4	Nut M8	
9	4811702	2	Washer M6	
10	4811902	16	Washer M8	
13	1001139384	2	Hinge	
14	1001204251	1	Support	
16	1001193169	1	Hood	
17	1321384	2	Clamp	
18	3291005	2	Nut M10	
20	1001174673	1	Screw M10 x 30	
21	4751400	4	Washer 1/4	
22	4812002	1	Washer M10	
23	4812000	1	Washer M10	
24	5250810	11	Bolt M8 x 20	
25	0760812	6	Bolt M8 x 25	
26	1001227367	1	Bearing	

FIGURE 2-27. HOOD ASSEMBLY - TANK SIDE (ABS)

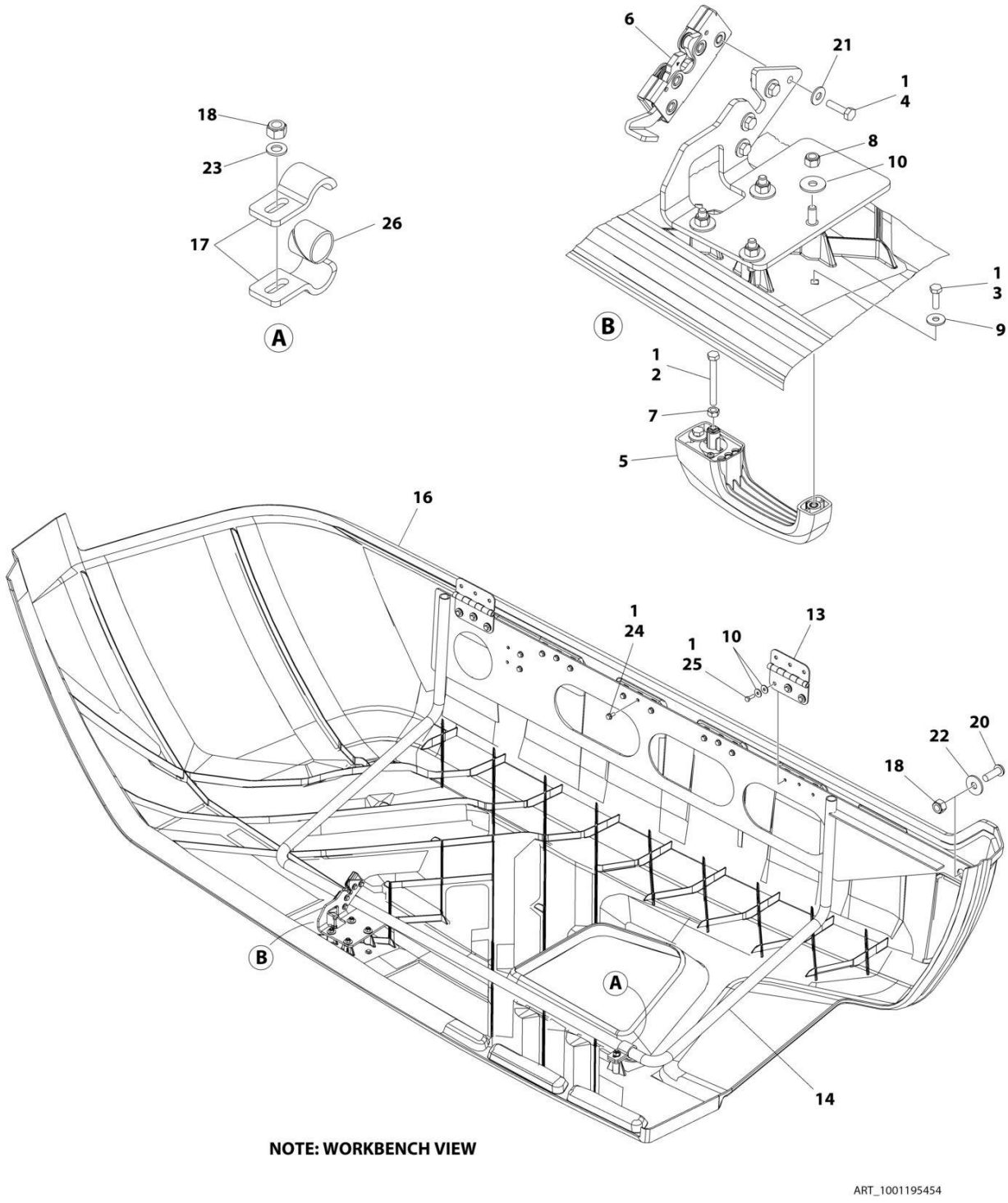
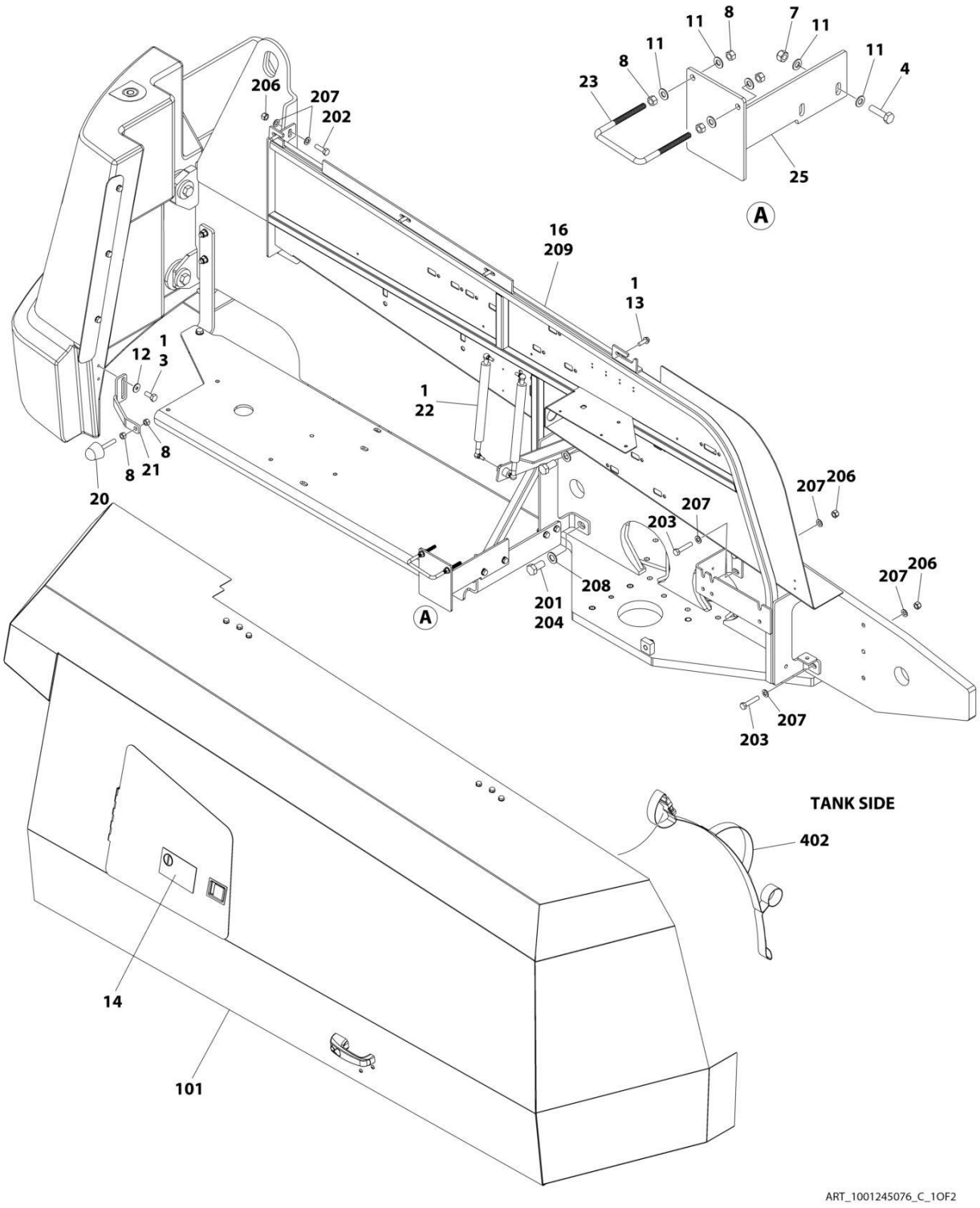


FIGURE 2-27. HOOD ASSEMBLY - TANK SIDE (ABS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195454	Ref	HOOD ASSEMBLY	G
1	0100011	AR	Compound, Locking	
2	0700619	1	Bolt M6 x 55	
3	0760610	2	Bolt M6 x 20	
4	0641408	4	Bolt 1/4 x 1	
5	2560187	1	Handle, Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	3290805	4	Nut M8	
9	4811702	2	Washer M6	
10	4811902	16	Washer M8	
13	1001139384	2	Hinge	
14	1001204303	1	Support	
16	1001193168	1	Hood	
17	1321384	2	Clamp	
18	3291005	2	Nut M10	
20	1001174673	1	Screw M10 x 30	
21	4751400	4	Washer 1/4	
22	4812002	1	Washer M10	
23	4812000	1	Washer M10	
24	5250810	11	Bolt M8 x 20	
25	0760812	6	Bolt M8 x 25	
26	1001227367	1	Bearing	

FIGURE 2-28. HOODS INSTALLATIONS - STEEL (DEUTZ TD2.2L3 - STAGE V ENGINES)



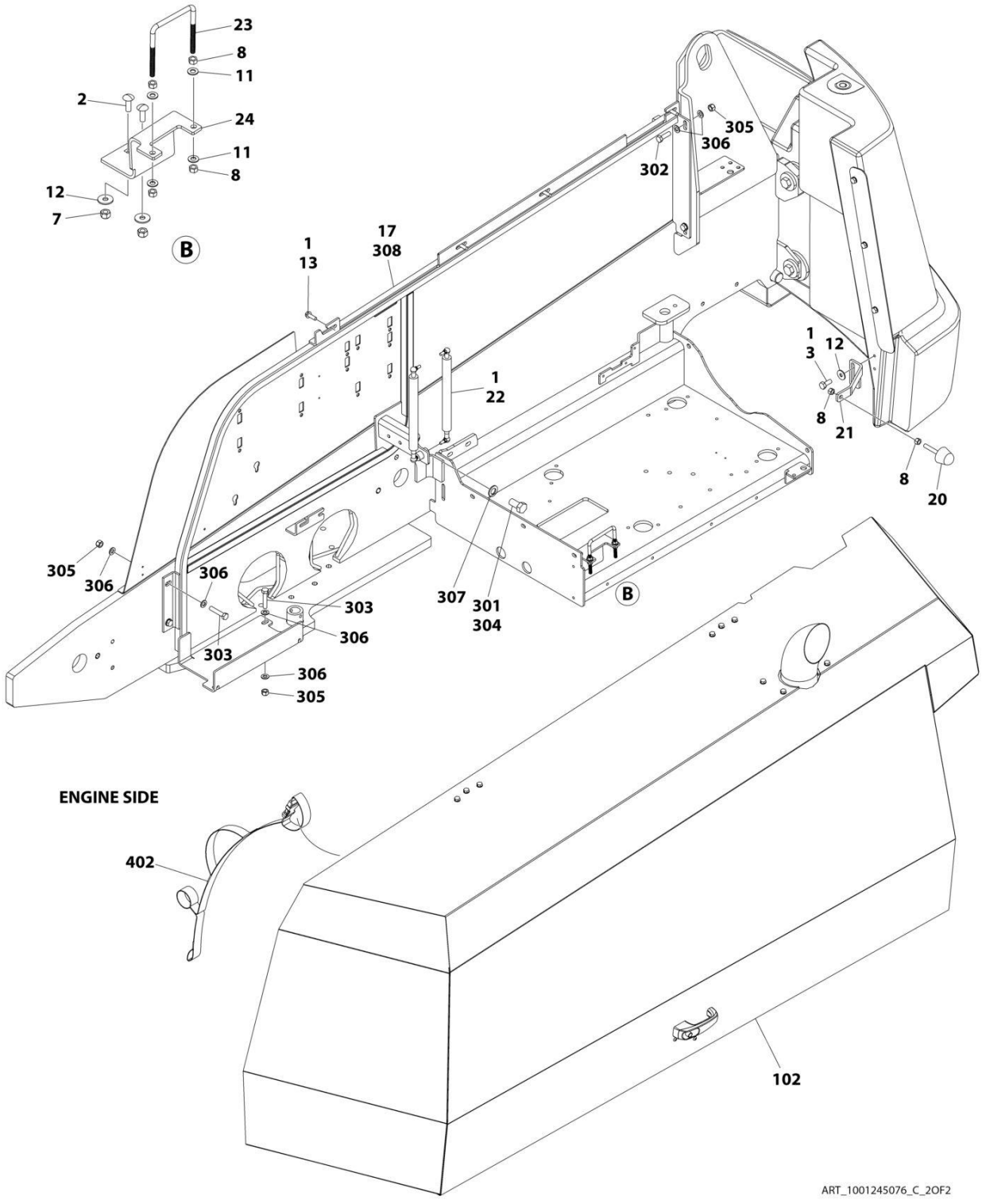
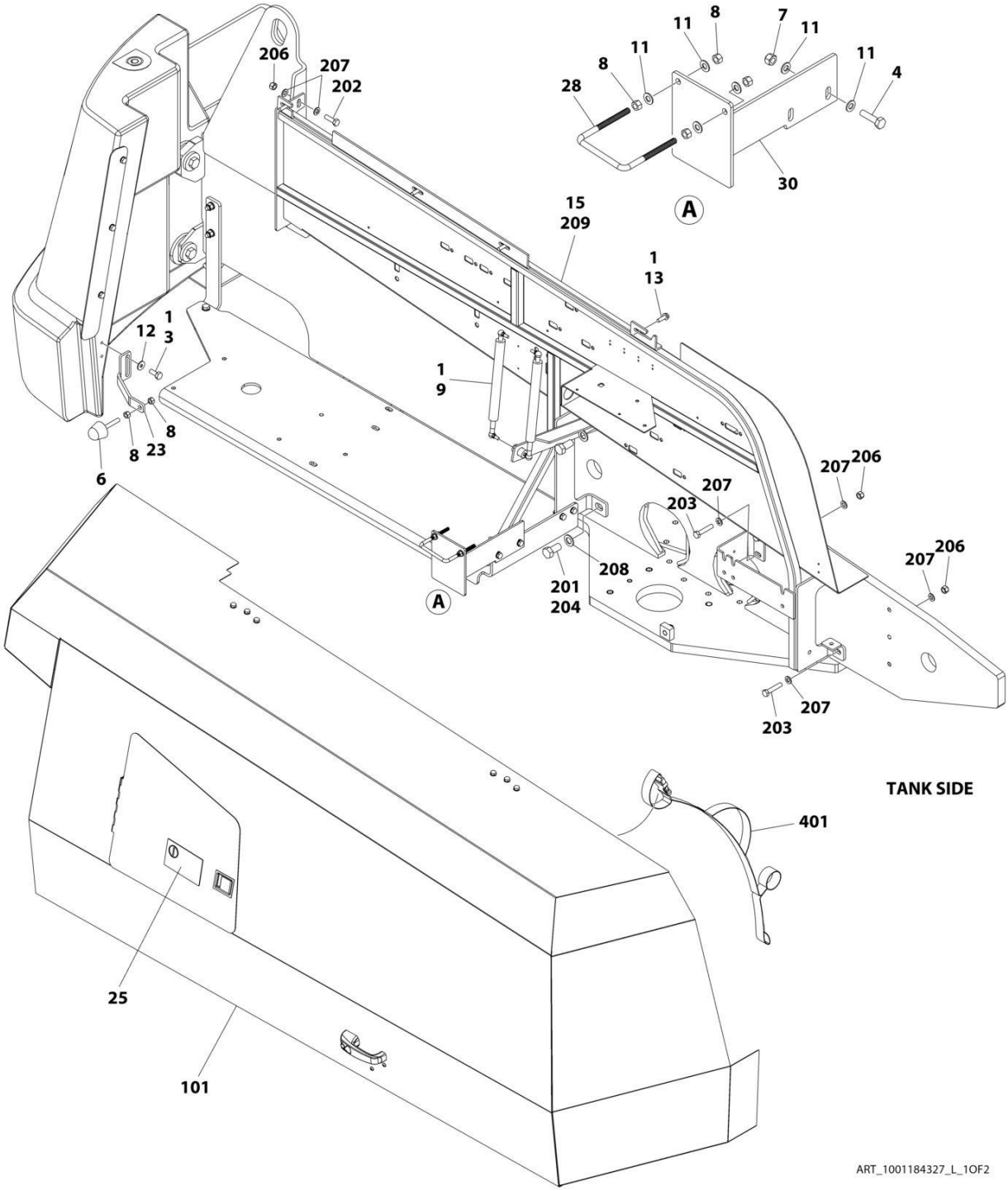

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ENGINE SIDE
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FIGURE 2-28. HOODS INSTALLATIONS - STEEL (DEUTZ TD2.2L3 - STAGE V ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245076	Ref	HOODS INSTALLATIONS	C
1	0100011	AR	Compound, Locking	
2	0630613	2	Bolt M10 x 30	
3	0701012	4	Bolt M10 x 25	
4	0701016	2	Bolt M10 x 40	
7	3291005	4	Nut M10	
8	3311601	12	Nut 3/8	
11	4812000	12	Washer M10	
12	4812002	4	Washer M10	
13	5251014	8	Bolt M10 x 30	
14	1001117307	1	Decal - Emergency Stop	
16	1001187950	1	Side Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)	
17	1001187951	1	Side Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)	
20	1001206314	2	Bumper	
21	1001212333	2	Bracket	
22	1001219138	4	Spring, Gas	
23	1001243414	2	Bolt, U-Bolt	
24	1001244878	1	Bracket	
25	1001243171	1	Support	
100	1001227888	1	Hood Kit (Not Shown)	
101	1001211762	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	
102	1001211774	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
	1001187950	Ref	SIDE-SHEET ASSEMBLY - TANK SIDE	C
201	0100011	AR	Compound, Locking	
202	0701216	2	Bolt M12 x 40	
203	0701220	4	Bolt M12 x 60	
204	0762016	2	Bolt M20 x 40	
206	3291205	6	Nut M12	
207	4812100	12	Washer M12	
208	4812500	2	Washer M20	
209	1001188194	1	Side-Sheet, Tank Side	
	1001187951	Ref	SIDE-SHEET ASSEMBLY - ENGINE SIDE	B
301	0100011	AR	Compound, Locking	
302	0701216	2	Bolt M12 x 40	
303	0701220	3	Bolt M12 x 60	
304	0762016	1	Bolt M20 x 40	
305	3291205	5	Nut M12	
306	4812100	10	Washer M12	
307	4812500	1	Washer M20	
308	1001188187	1	Side-Sheet, Engine Side	
	1001270243	Ref	STRAP INSTALLATION	B
402	1001160505	2	Strap, Hand	

FIGURE 2-29. HOODS INSTALLATIONS - STEEL (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)



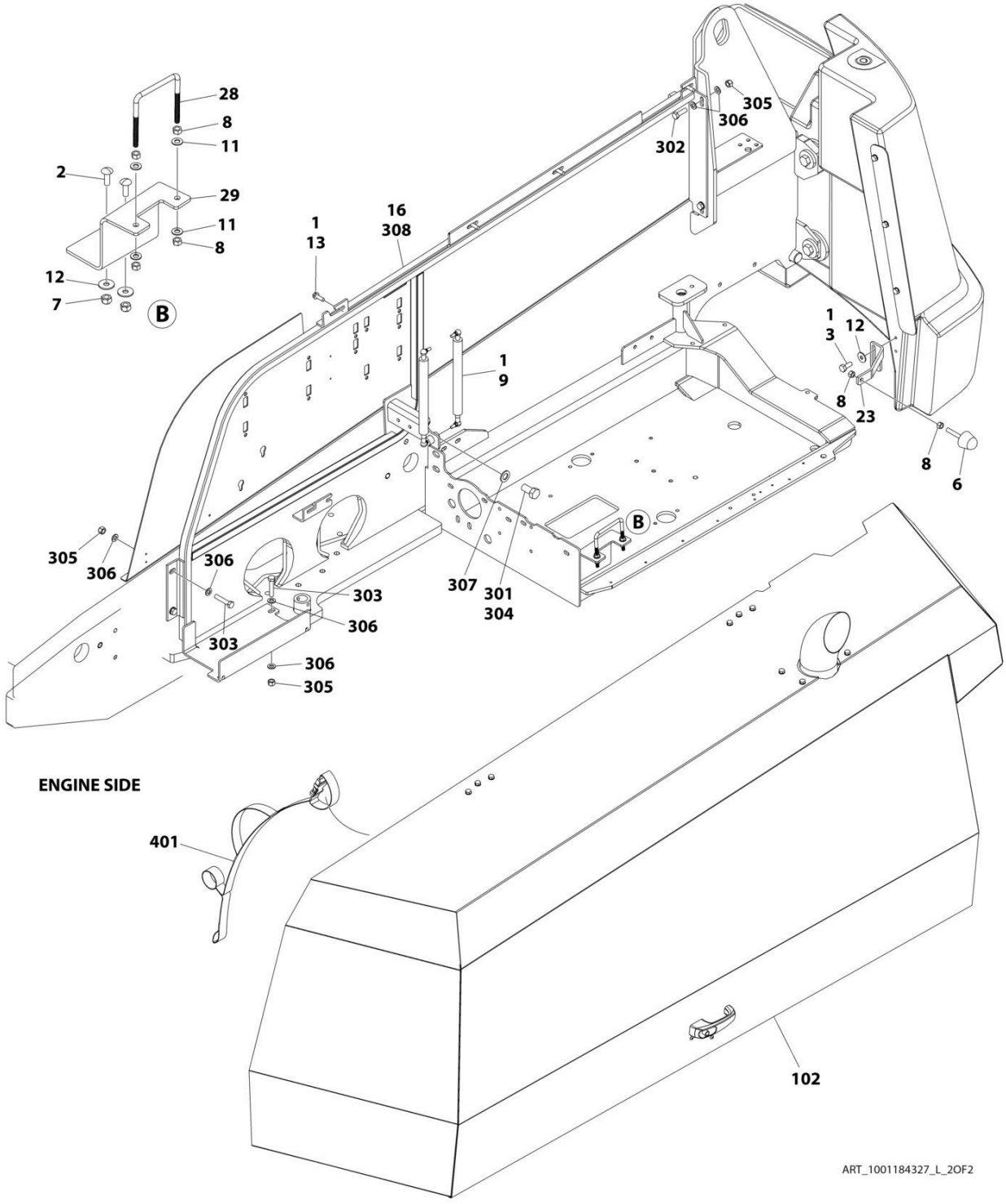

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ENGINE SIDE
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ART_1001184327_L_2OF2

FIGURE 2-29. HOODS INSTALLATIONS - STEEL (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184327	Ref	HOODS INSTALLATIONS	L
1	0100011	AR	Compound, Locking	
2	0630613	AR	Bolt M10 x 30	
3	0701012	4	Bolt M10 x 25	
4	0701016	2	Bolt M10 x 40	
5	0760810	8	Bolt M8 x 20	
6	1001206314	2	Bumper	
7	3291005	AR	Nut M10	
8	3311601	12	Nut 3/8	
9	1001219138	4	Spring, Gas	
10	4811902	8	Washer M8	
11	4812000	12	Washer M10	
12	4812002	AR	Washer M10	
13	5251014	8	Bolt M10 x 30	
14	1001172615	1	Mount	
15	1001187950	1	Side-Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)	
16	1001187951	1	Side-Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)	
17	1001190756	1	Support	
18	1001192842	1	Mount	
19	1001192843	1	Support	
20	1001195535	1	Mount	
23	1001212333	2	Bracket	
25	1001117307	1	Decal - Emergency Stop	
28	1001243414	2	U-Bolt 3/8	
29	1001243522	1	Bracket	
30	1001243171	1	Support	
100	1001227888	1	Hood Kit (Not Shown)	
101	1001211762	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	
102	1001211774	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
	1001187950	Ref	SIDE-SHEET ASSEMBLY - TANK SIDE	C
201	0100011	AR	Compound, Locking	
202	0701216	2	Bolt M12 x 40	
203	0701220	4	Bolt M12 x 60	
204	0762016	2	Bolt M20 x 40	
206	3291205	6	Nut M12	
207	4812100	12	Washer M12	
208	4812500	2	Washer M20	
209	1001188194	1	Side-Sheet, Tank Side	
	1001187951	Ref	SIDE-SHEET ASSEMBLY - ENGINE SIDE	B
301	0100011	AR	Compound, Locking	
302	0701216	2	Bolt M12 x 40	
303	0701220	3	Bolt M12 x 60	
304	0762016	1	Bolt M20 x 40	
305	3291205	5	Nut M12	
306	4812100	10	Washer M12	
307	4812500	1	Washer M20	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
308	1001188187	1	Side-Sheet, Engine Side	
	1001253953	Ref	STRAP INSTALLATION	B
401	1001160505	2	Strap, Hand	

FIGURE 2-30. HOOD ASSEMBLY - ENGINE SIDE (STEEL)

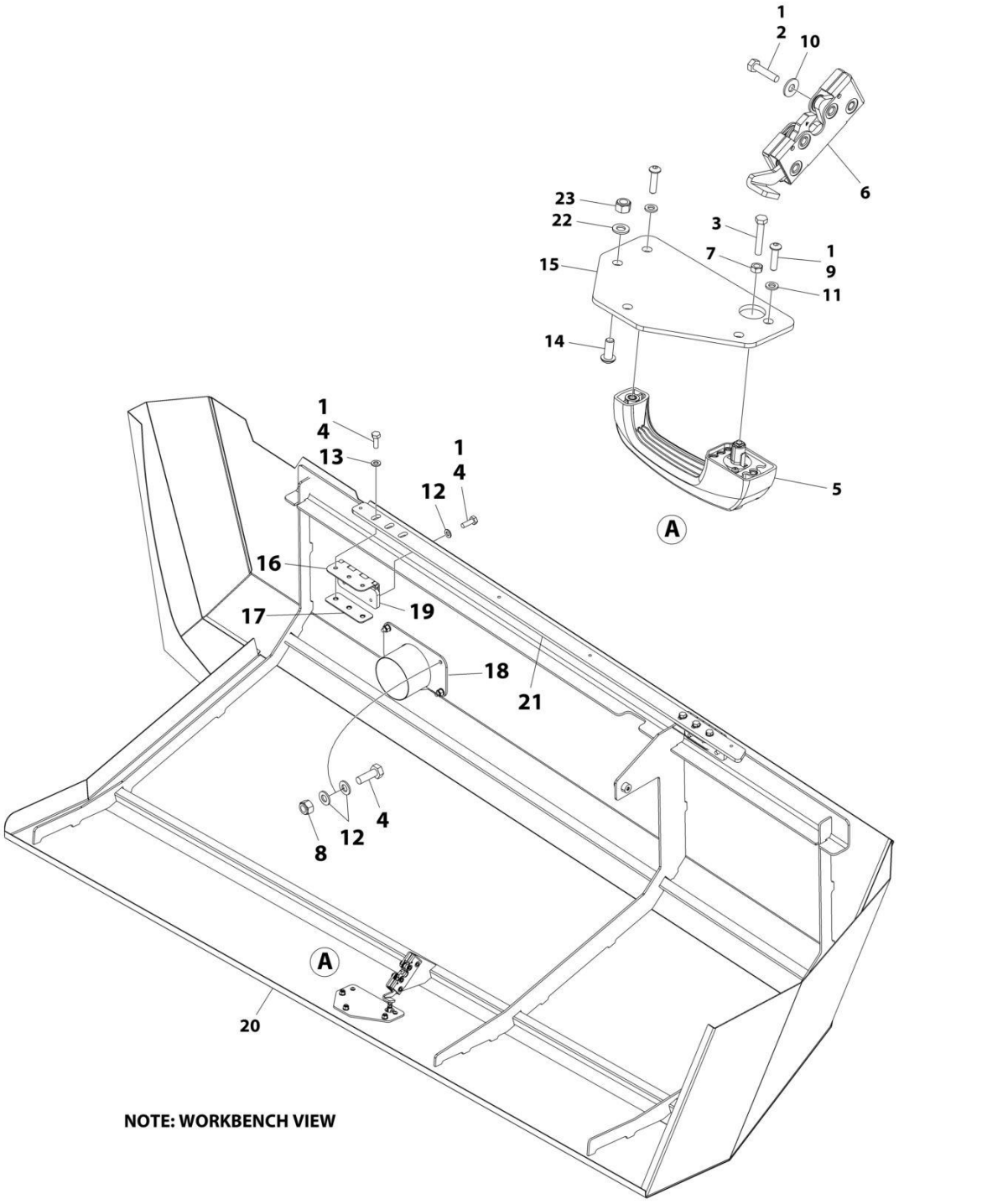


FIGURE 2-30. HOOD ASSEMBLY - ENGINE SIDE (STEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211774	Ref	HOOD ASSEMBLY	J
1	0100011	AR	Compound, Locking	
2	0641409	4	Bolt 1/4 x 1-1/8	
3	0700615	1	Bolt M6 x 35	
4	0761014	16	Bolt M10 x 30	
5	2560187	1	Handle , Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	3291005	4	Nut M10	
9	3900363	2	Screw M6 x 25	
10	4751400	4	Washer 1/4	
11	4811700	2	Washer M6	
12	4812000	14	Washer M10	
13	5241000	6	Washer M10	
14	1001164726	3	Screw M8 x 20	
15	1001116290	1	Plate	
16	1001139384	2	Hinge	
17	1001169046	2	Nut, Hinge	
18	1001194888	1	Pipe, Exhaust	
19	1001202333	2	Plate, Nut	
20	1001211767	1	Hood	
21	1001211773	1	Plate	
22	4811900	3	Washer M8	
23	3290805	3	Nut M8	

FIGURE 2-31. HOOD ASSEMBLY - TANK SIDE (STEEL)

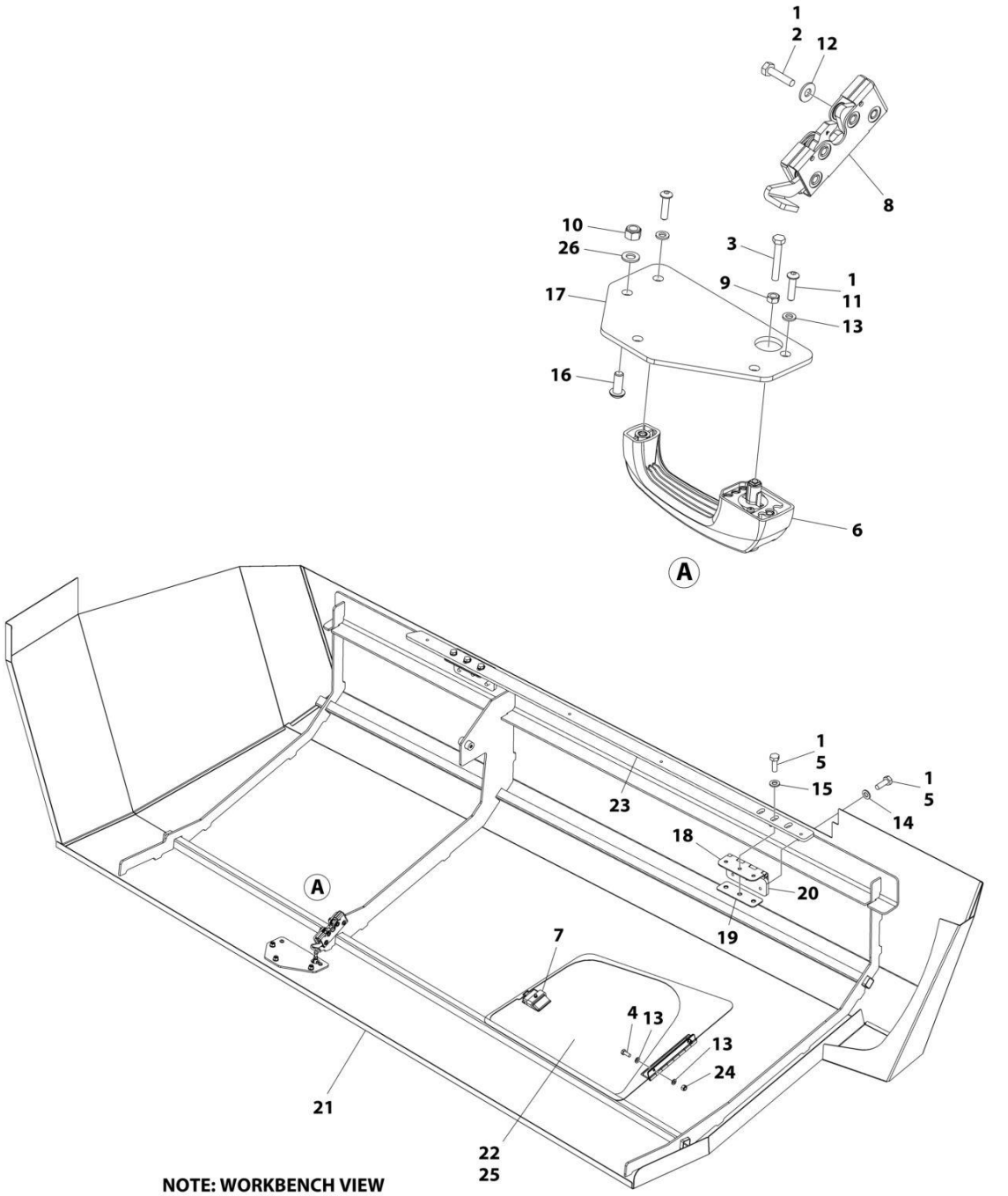


FIGURE 2-31. HOOD ASSEMBLY - TANK SIDE (STEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211762	Ref	HOOD ASSEMBLY	J
1	0100011	AR	Compound, Locking	
2	0641409	4	Bolt 1/4 x 1-1/8	
3	0700616	1	Bolt M6 x 40	
4	0760608	2	Bolt M6 x 16	
5	0761014	12	Bolt M10 x 30	
6	2560187	1	Handle, Push Button	
7	2940045	1	Latch, Paddle	
8	2940173	1	Latch, Rotary	
9	3290601	1	Nut M6	
10	3290805	3	Nut M8	
11	3900363	2	Screw M6 x 25	
12	4751400	4	Washer 1/4	
13	4811700	6	Washer M6	
14	4812000	6	Washer M10	
15	5241000	6	Washer M10	
16	1001164726	3	Screw M8 x 20	
17	1001116290	1	Plate	
18	1001139384	2	Hinge	
19	1001169046	2	Nut, Hinge	
20	1001202333	2	Plate, Nut	
21	1001211752	1	Hood	
22	1001211760	1	Door	
23	1001211761	1	Plate	
24	3290605	2	Nut M6	
25	1001113047	78 in/ 2m	Seal	
26	4811900	3	Washer M8	

FIGURE 2-32. NOISE REDUCTION PACKAGE

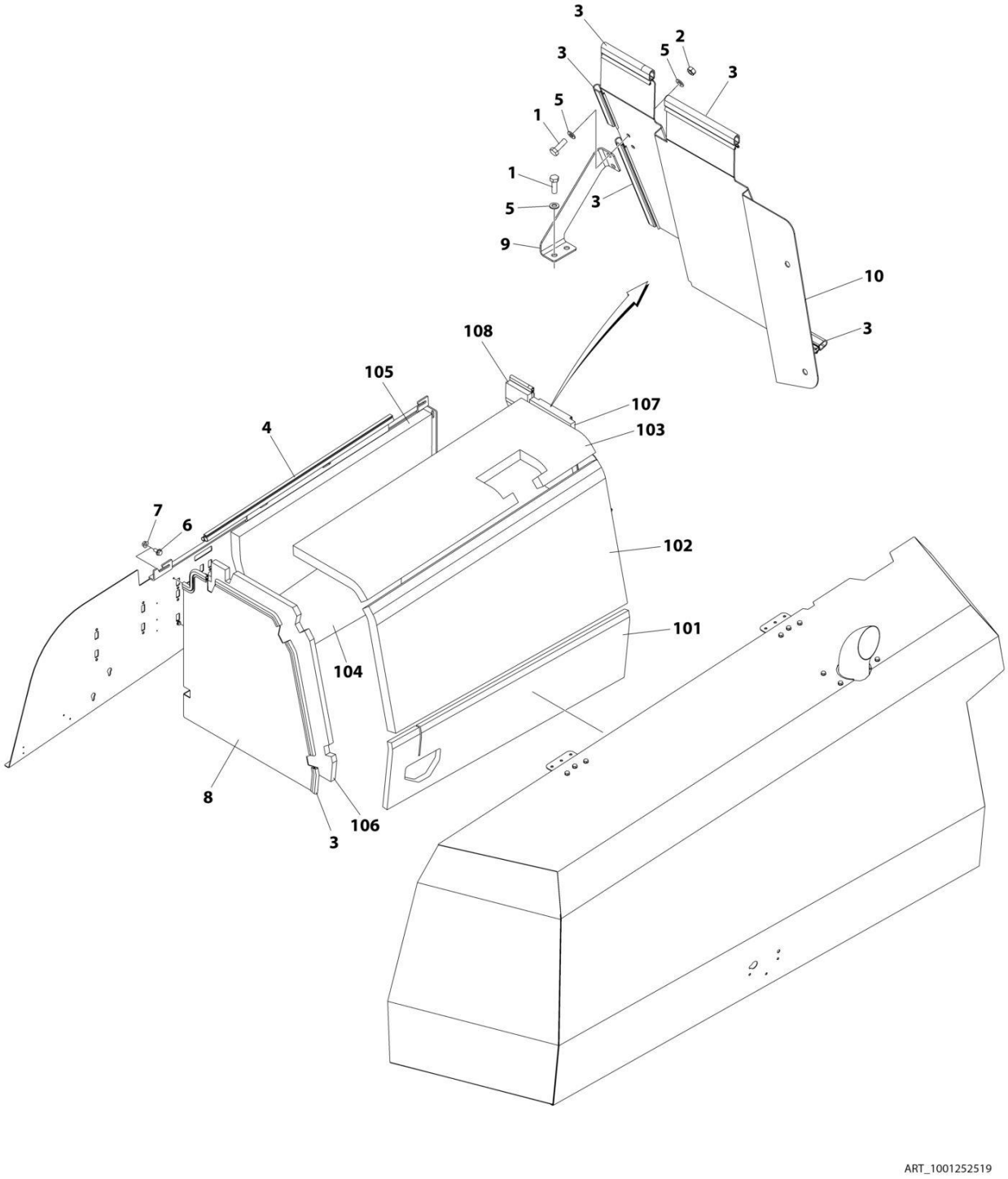


FIGURE 2-32. NOISE REDUCTION PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252519	Ref	SOUND REDUCTION PACKAGE	A
1	0760812	4	Bolt M8 x 25	
2	3290801	2	Nut M8	
3	3960389	8 ft /2.44m	Seal	
4	3960464	3.6 ft /1.10m	Seal	
5	4811900	6	Washer M8	
6	5250808	2	Bolt M8 x 16	
7	5260800	2	Nut M8	
8	1001241729	1	Plate	
9	1001253115	1	Bracket	
10	1001253117	1	Plate	
100	1001255619	1	Sound Foam Insulate Kit (Includes Items 101-108)	A
101	1001233953	1	Insulate	
102	1001233954	1	Insulate	
103	1001233955	1	Insulate	
104	1001233966	1	Insulate	
105	1001233967	1	Insulate	
106	1001234269	1	Insulate	
107	1001253116	1	Insulate	
108	1001253459	1	Insulate	

FIGURE 2-33. HOOD INSULATION INSTALLATION (AUSTRALIAN SPECS)

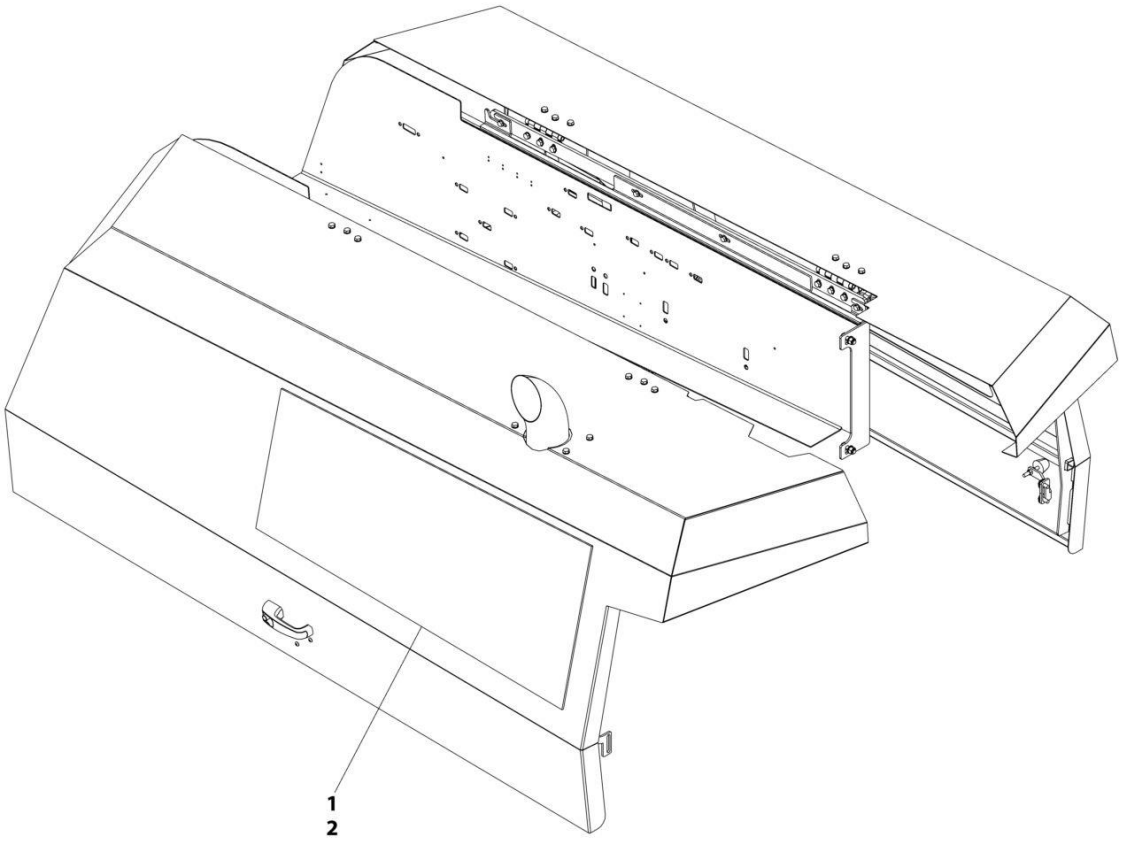


FIGURE 2-33. HOOD INSULATION INSTALLATION (AUSTRALIAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263325	Ref	HOOD INSULATION INSTALLATION	A
1	1001117140	AR	Tape, Aluminum	
2	1001237895	1	Insulate, Heat Shield	

SECTION 3 - ENGINE

FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION

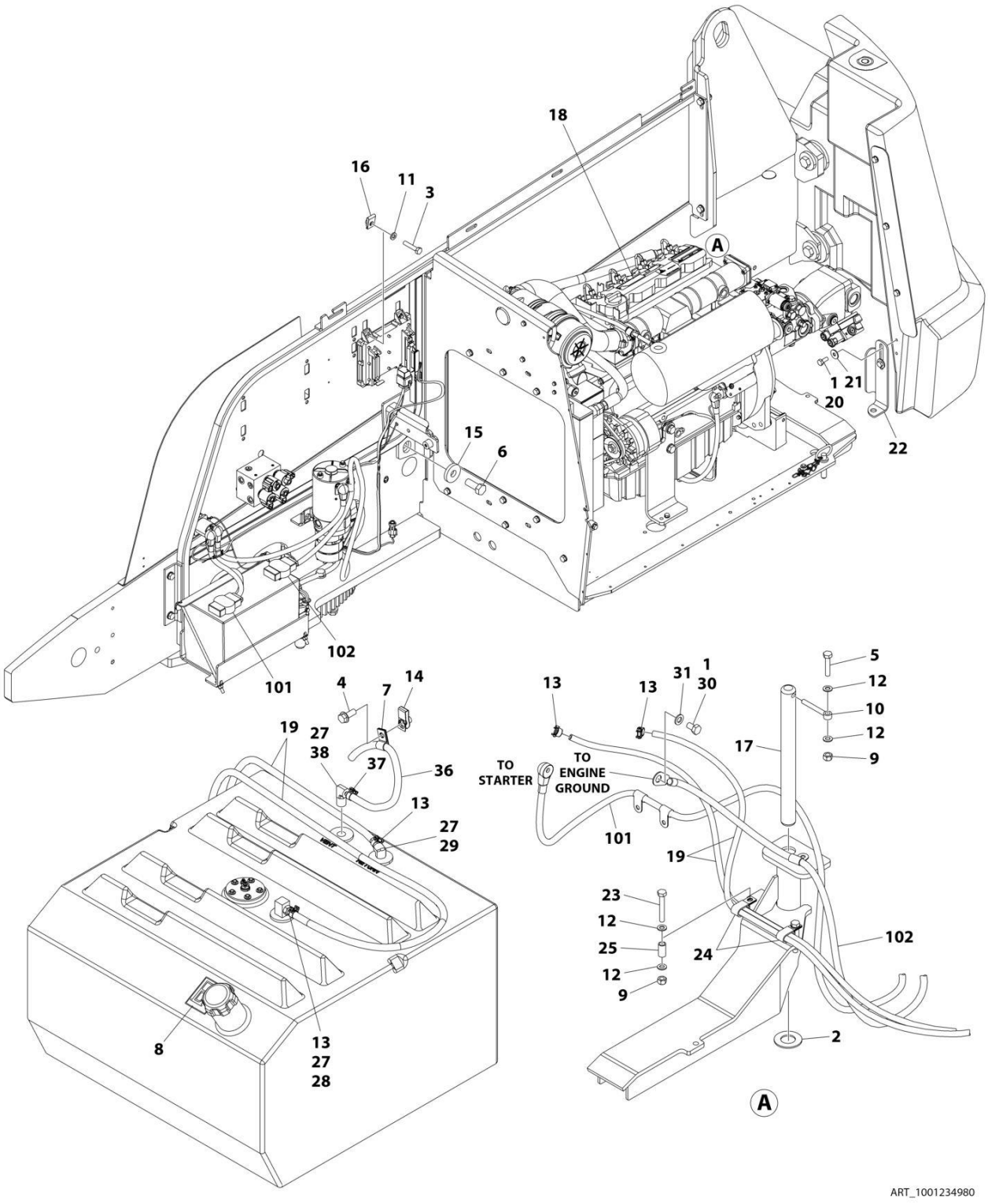


FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234980	Ref	DEUTZ D2011 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0440162	1	Bearing	
3	0700614	4	Bolt M6 x 30	
4	5251012	1	Bolt M10 x 25	
5	0711018	1	Bolt M10 x 50	
6	0772018	1	Bolt M20 x 50	
7	1320061	1	Clamp	
8	1701505	1	Decal - Diesel Fuel	
9	3291005	3	Nut M10	
10	3841143	1	Keeper, Pin	
11	4811700	4	Washer M6	
12	4812000	6	Washer M10	
13	1001174486	4	Clamp	
14	1001118972	1	Nut, Tinnerman M10	
15	1001119051	1	Washer	
16	1001130220	4	Nut, Tinnerman M6	
17	1001155094	1	Pin	
18	1001238267	1	Deutz D2011 Engine and Pumps Sub-Assembly (See Separate Breakdown in this Section)	
19	2720058	288 in/ 7.3m	Hose, Fuel	
20	0701012	2	Bolt M10 x 70	
21	4812002	2	Washer M10	
22	1001196398	1	Bracket	
23	0701022	2	Bolt M10 x 70	
24	1001026127	2	Clamp	
25	1001200731	2	Tube	
26	4240099	5	Tie-Strap (Not Shown)	
27	0100020	AR	Sealant	
28	2180348	1	Fitting, Straight NPT x Barb	
29	2221176	1	Fitting, 90 Barbed	
30	0761210	1	Bolt M12 x 20	
31	4812100	1	Washer M12	
32	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
33	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
34	1001203433	1	Hose (Function Suction) (Not Shown)	
35	1001203432	1	Hose (Drive Suction) (Not Shown)	
36	1001165035	20 in/ 0.5m	Hose	
37	1001136975	1	Clamp	
38	2220313	1	Fitting, 90 NPTF/Barb	
100	1001235699	1	Battery Cable Kit (Includes Items 36 & 37) (Not Shown)	
101	1001188667	1	Cable, Battery (+) to Aux Relay to Starter	
102	1001188670	1	Cable, Battery (-) to Aux Pump and Ground	

FIGURE 3-2. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY

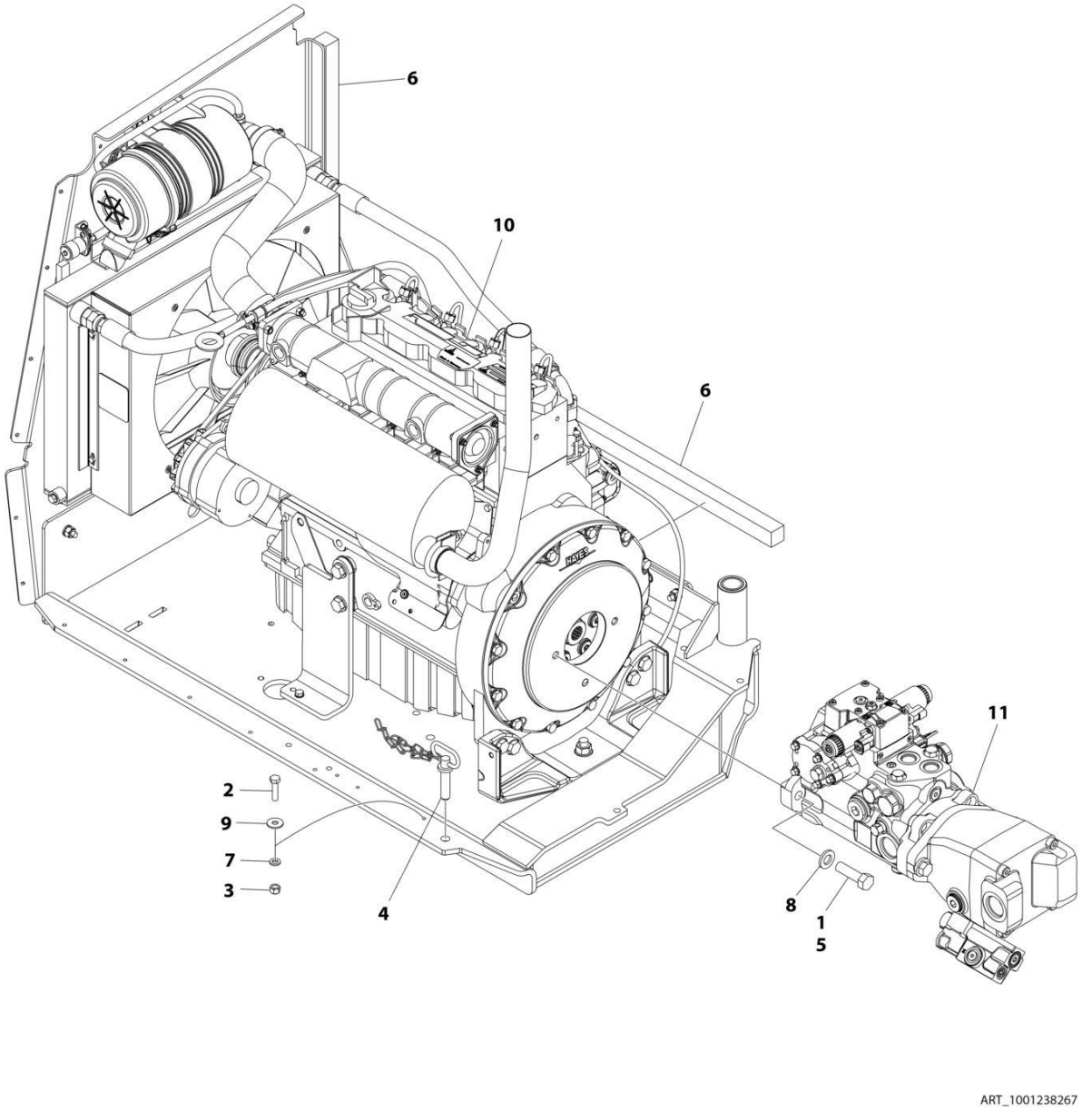
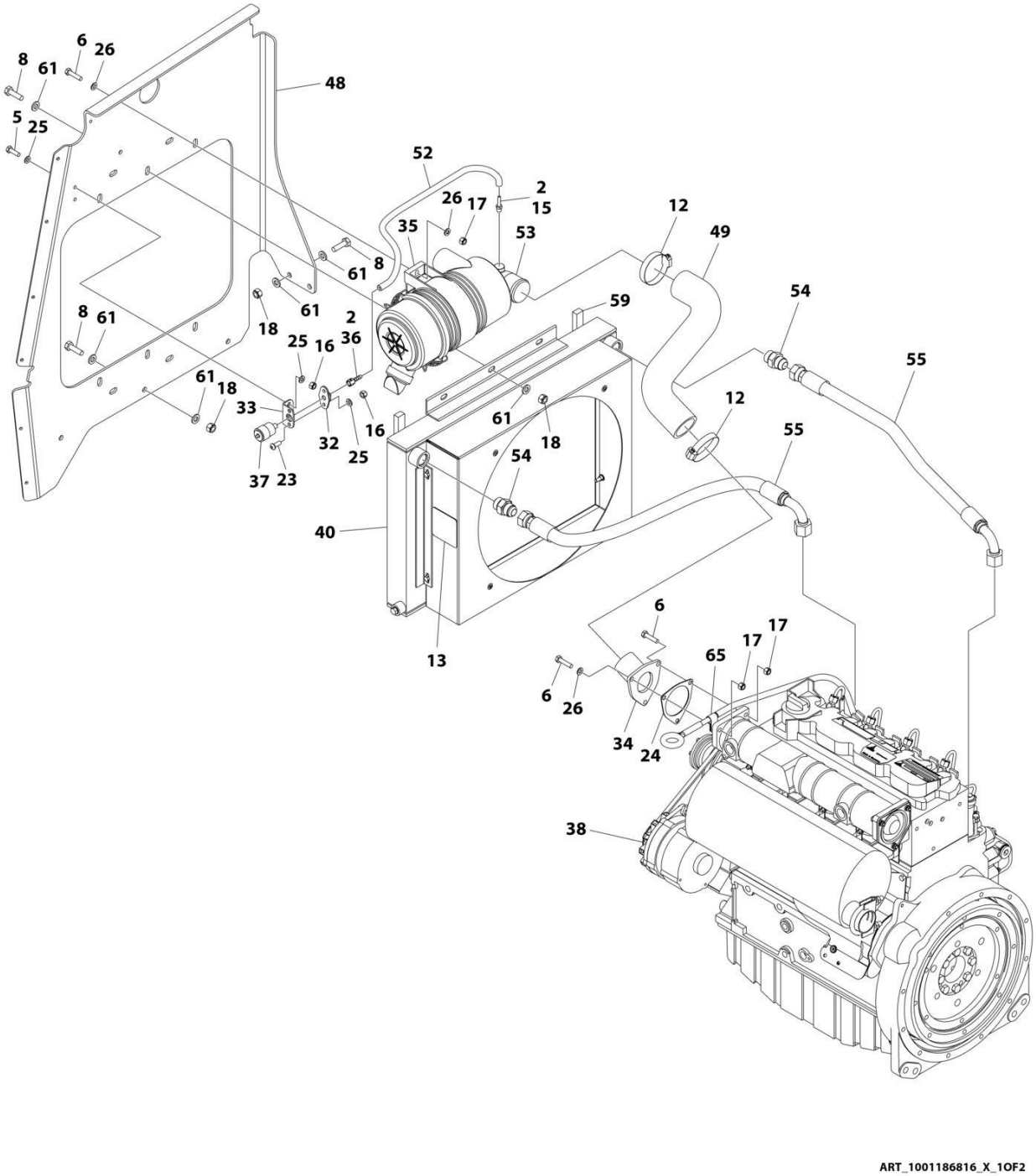


FIGURE 3-2. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238267	Ref	DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0760612	1	Bolt M6 x 25	
3	3290605	1	Nut M6	
4	3422532	1	Pin	
5	0641814	2	Bolt 1/2 x 1-3/4	
6	3960469	2	Seal	
7	4811700	1	Washer M6	
8	5241200	2	Washer M12	
9	4811702	1	Washer M6	
10	1001186816	1	Deutz D2011 Engine Assembly (See Separate Breakdown in this Section)	
11	1001239601	1	Pumps Assembly (See Separate Breakdown in this Section)	

FIGURE 3-3. DEUTZ D2011 ENGINE ASSEMBLY



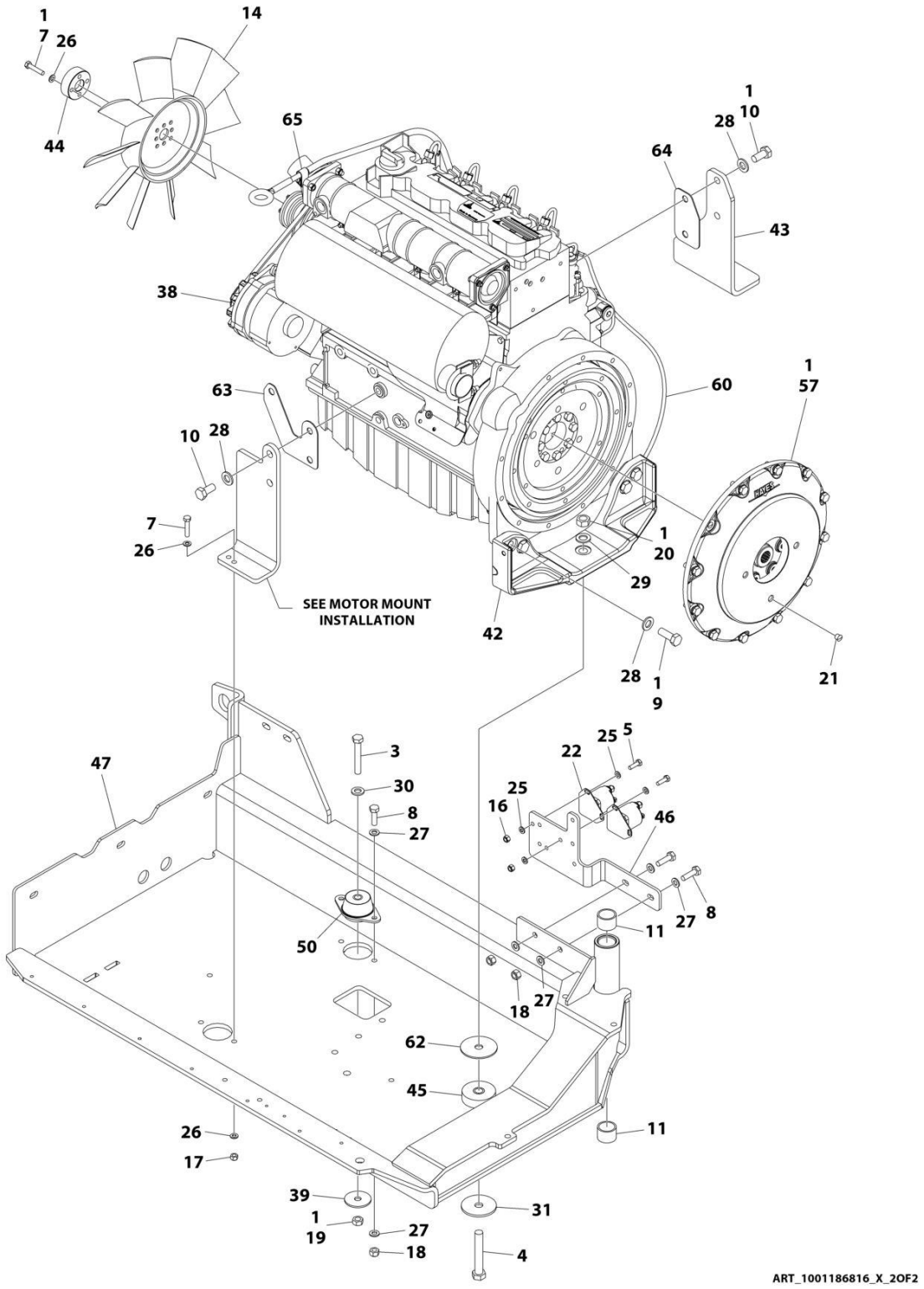

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FIGURE 3-3. DEUTZ D2011 ENGINE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186816	Ref	DEUTZ D2011 ENGINE ASSEMBLY	X
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0711224	1	Bolt M12 x 80	
4	0711627	1	Bolt M16 x 100	
5	0760610	6	Bolt M6 x 20	
6	0760815	5	Bolt M8 x 35	
7	0760816	5	Bolt M8 x 40	
8	0761015	15	Bolt M10 x 35	
9	0771416	4	Bolt M14 x 40	
10	0771414	4	Bolt M14 x 30	
11	0961951	2	Bushing	
12	8405202	2	Clamp	
13	1703162	2	Decal - Fan Blade	
14	2060025	1	Fan	
15	2220315	1	Fitting, Straight Barbed	
16	3290605	8	Nut M6	
17	3290805	6	Nut M8	
18	3291005	15	Nut M10	
19	3331211	1	Nut M12	
20	3331611	1	Nut M16	
21	3520054	2	Plug	
22	3740067	2	Relay	
23	3900357	2	Screw M6 x 16	
24	3960407	1	Gasket, Air Intake Adapter	
25	4811700	14	Washer M6	
26	4811900	11	Washer M8	
27	4812000	8	Washer M10	
28	5241400	8	Washer M14	
29	4812300	1	Washer M16	
30	5241200	1	Washer M12	
31	7300435	1	Washer	
32	1001138173	1	Support	
33	1001138175	1	Bracket	
34	1001139819	1	Adapter	
35	1001141694	1	Clamp, Air Cleaner	
36	1001141995	1	Fitting, Straight NPT/Barbed	
37	1001143390	1	Indicator, Air Filter Service	
38	1001146368	1	Deutz D2011 Engine (See Separate Breakdown in this Section)	
39	1001168018	1	Washer	
40	1001187082	1	Radiator	
41	1001188236	1	Engine Harness - Deutz D2011 Engines (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	
42	1001188535	1	Bracket, Engine - Rear	
43	1001189026	1	Bracket, Engine - Right	
44	1001189161	1	Adapter, Fan	
45	1001190164	1	Mount, Motor	
46	1001203885	1	Plate	
47	1001200435	1	Tray	
48	1001236499	1	Support, Radiator	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001191271	1	Hose	
50	1001191610	1	Mount, Motor	
52	1001138248	21.7 in/ 0.6m	Tube	
53	1001165388	1	Filter, Air	
53	70003783	1	Element, Filter	
54	2220451	2	Fitting, Straight ORB/JIC	
55	2720398	2	Hose	
57	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
59	1001168166	2	Seal	
60	1001234396	1	Glow Plug Harness	
61	5241000	22	Washer M10	
62	1001197725	1	Spacer	
63	1001201843	1	Shim .079	
64	1001201844	1	Shim .079	
65	1320070	1	Clamp	

FIGURE 3-4. DEUTZ D2011 ENGINE COMPONENTS

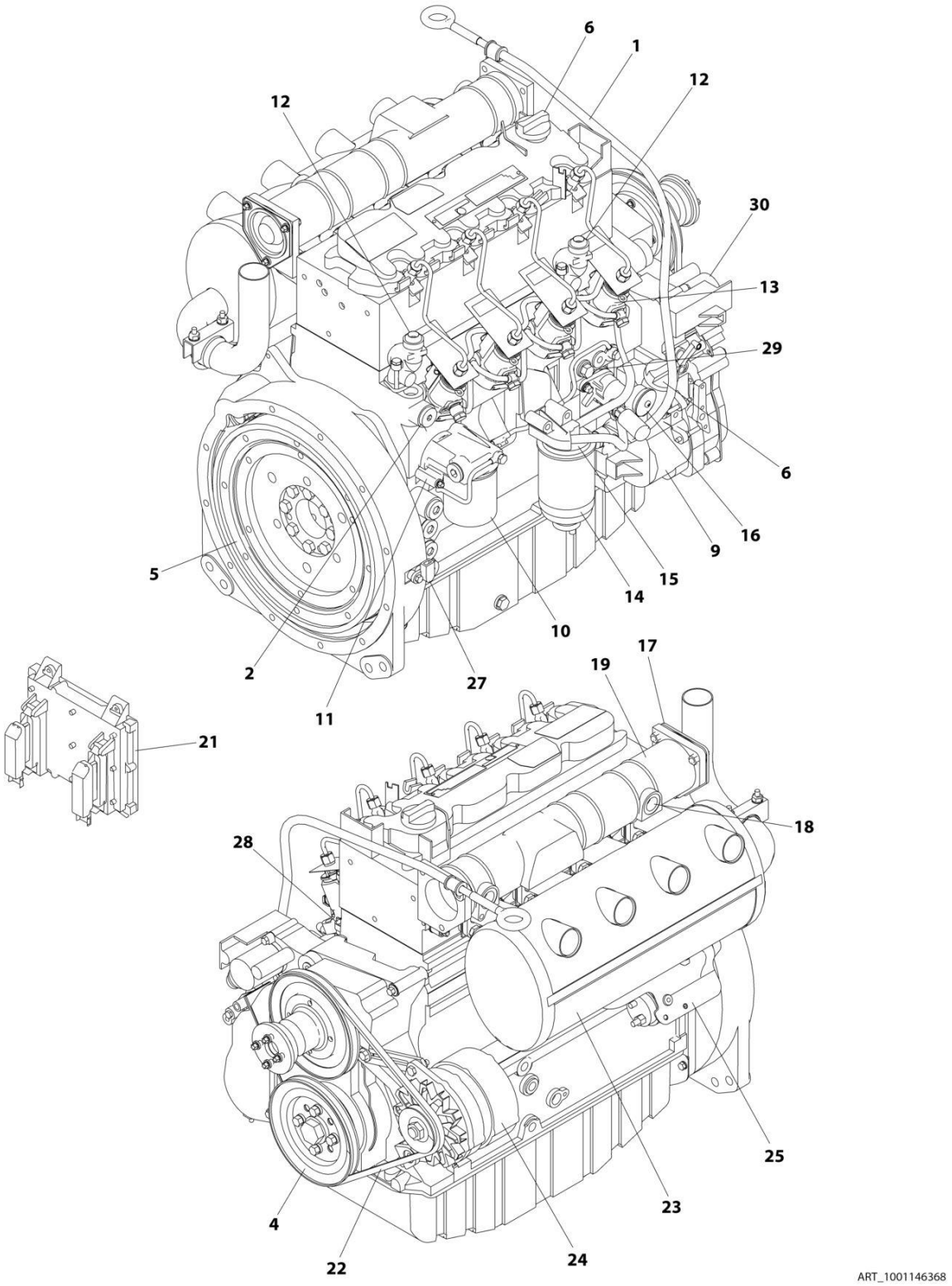


FIGURE 3-4. DEUTZ D2011 ENGINE COMPONENTS

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

SECTION 3 - ENGINE

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

FIGURE 3-5. DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION

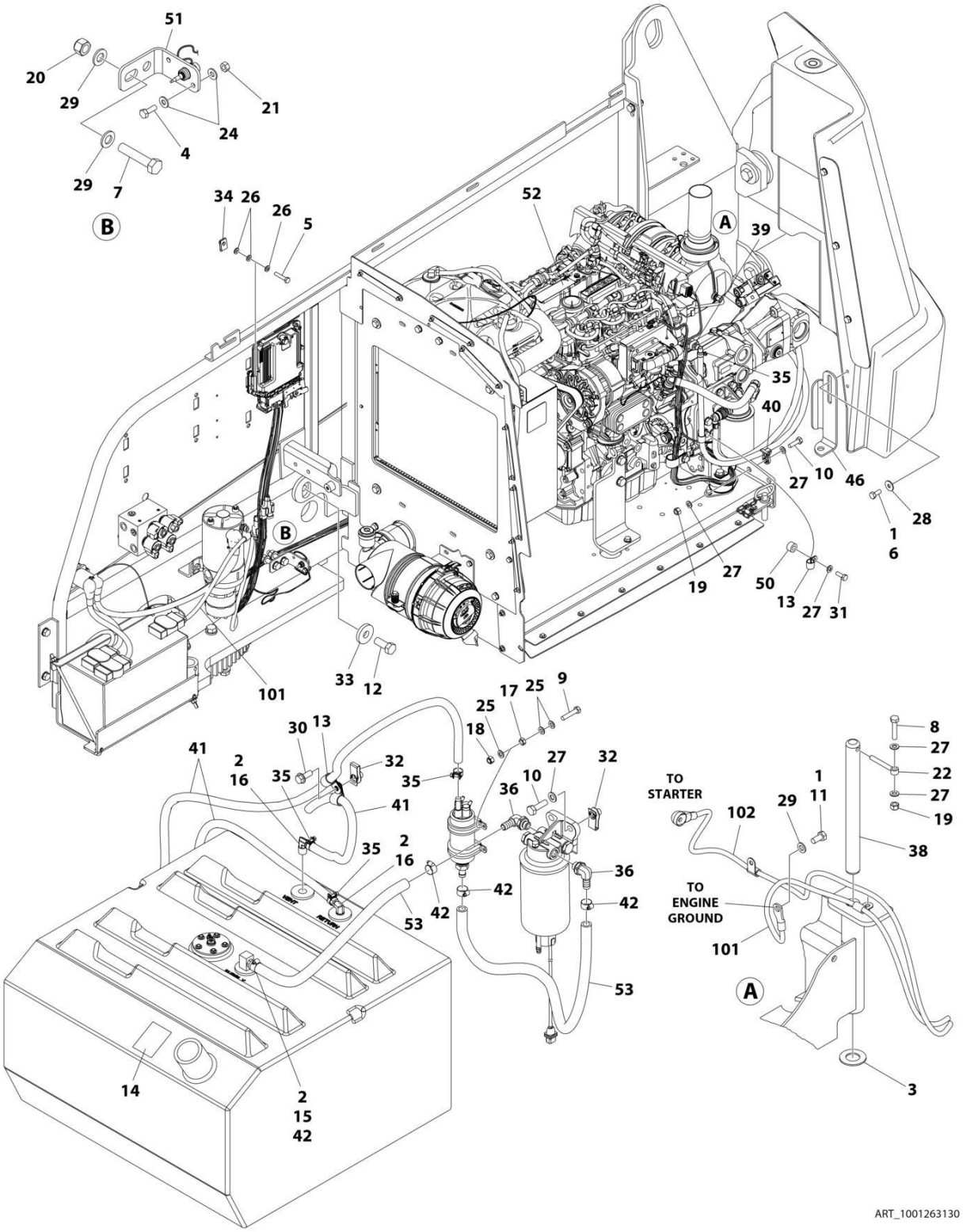


FIGURE 3-5. DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263130	Ref	DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0440162	1	Bearing	
4	0641406	1	Bolt 1/4 x 3/4	
5	0700614	4	Bolt M6 x 30	
6	0701012	2	Bolt M10 x 25	
7	0701220	2	Bolt M12 x 60	
8	0711018	1	Bolt M10 x 50	
9	0760512	4	Bolt M5 x 25	
10	0761015	3	Bolt M10 x 35	
11	0771212	1	Bolt M12 x 25	
12	0772018	1	Bolt M20 x 50	
13	1320061	3	Clamp	
14	1701505	1	Decal - Diesel Fuel	
15	2180832	1	Fitting, Straight Barbed	
16	2220313	2	Fitting, 90 NPTF/Barb	
17	3290501	4	Nut M5	
18	3290505	4	Nut M5	
19	3291005	2	Nut M10	
20	3291205	2	Nut M12	
21	3311405	1	Nut 1/4	
22	3841143	1	Keeper, Pin	
23	4240099	AR	Tie-Strap (Not Shown)	
24	4711400	2	Washer 1/4	
25	4811600	12	Washer M5	
26	4811700	12	Washer M6	
27	4812000	7	Washer M10	
28	4812002	2	Washer M10	
29	4812100	5	Washer M12	
30	5251012	1	Bolt M10 x 25	
31	0761014	1	Bolt M10 x 30	
32	1001118972	3	Nut, Tinnerman M10	
33	1001119051	1	Washer	
34	1001130220	4	Nut, Tinnerman M6	
35	1001136975	5	Clamp	
36	1001142501	2	Fitting, 90 Barbed	
37	1001146588	1	Tie-Strap (Not Shown)	
38	1001155094	1	Pin	
39	1001155823	1	Fitting, 90 Quick Connect	
40	1001156107	1	Holder, Cable	
41	1001165035	27 ft/ 8.2m	Hose	
42	8405006	4	Clamp	
44	1001190444	1	Fuel Pump Harness - Deutz TD2.2L3 (Stage V) Engine (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
45	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
46	1001196398	1	Bracket	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
48	1001203432	1	Hose (Function Suction) (Not Shown)	
49	1001203433	1	Hose (Drive Suction) (Not Shown)	
50	1001220266	1	Spacer	
51	1001256879	1	Bracket	
52	1001263129	1	Deutz TD2.2L3 (Stage V) Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
53	1001154405	3 ft/ 85cm	Hose	
100	1001235532	1	Battery Cable Kit (Includes Items 101 & 102) (Not Shown)	
101	1001188668	1	Cable, Battery (-) to Aux Pump and Ground	
102	1001188669	1	Cable, Battery (+) to Aux Relay to Starter	

FIGURE 3-6. DEUTZ TD2.2L3 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY (Prior to SN 0300292109)

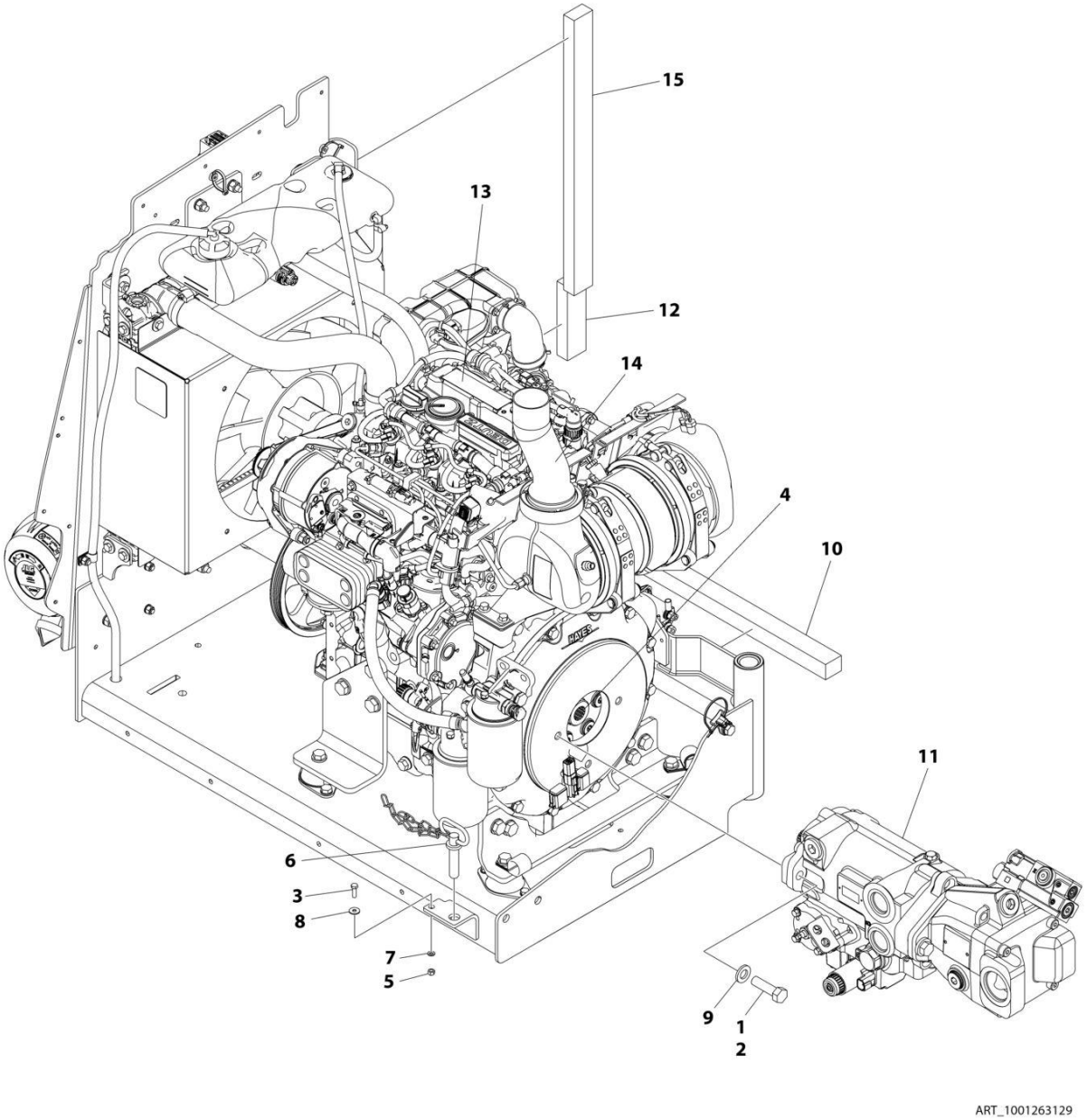


FIGURE 3-6. DEUTZ TD2.2L3 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY (Prior to SN 0300292109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263129	Ref	DEUTZ TD2.2L3 ENGINE AND PUMPS SUB-ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0760610	1	Bolt M6 x 20	
4	3020037	AR	Lube, Coupling Grease	
5	3290605	1	Nut M6	
6	3422532	1	Pin	
7	4811700	1	Washer M6	
8	4811702	1	Washer M6	
9	5241200	2	Washer M12	
10	1001171953	1	Seal	
11	1001239601	1	Pumps Assembly (See Separate Breakdown in this Section)	
12	1001244508	1	Seal	
13	1001253846	1	Deutz TD2.2L3 Engine Assembly (See Separate Breakdown in this Section)	
14	1001253906	1	Pipe, Exhaust	
15	1001254279	1	Seal	

FIGURE 3-7. DEUTZ TD2.2L3 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY (SN 0300292109 to Present)

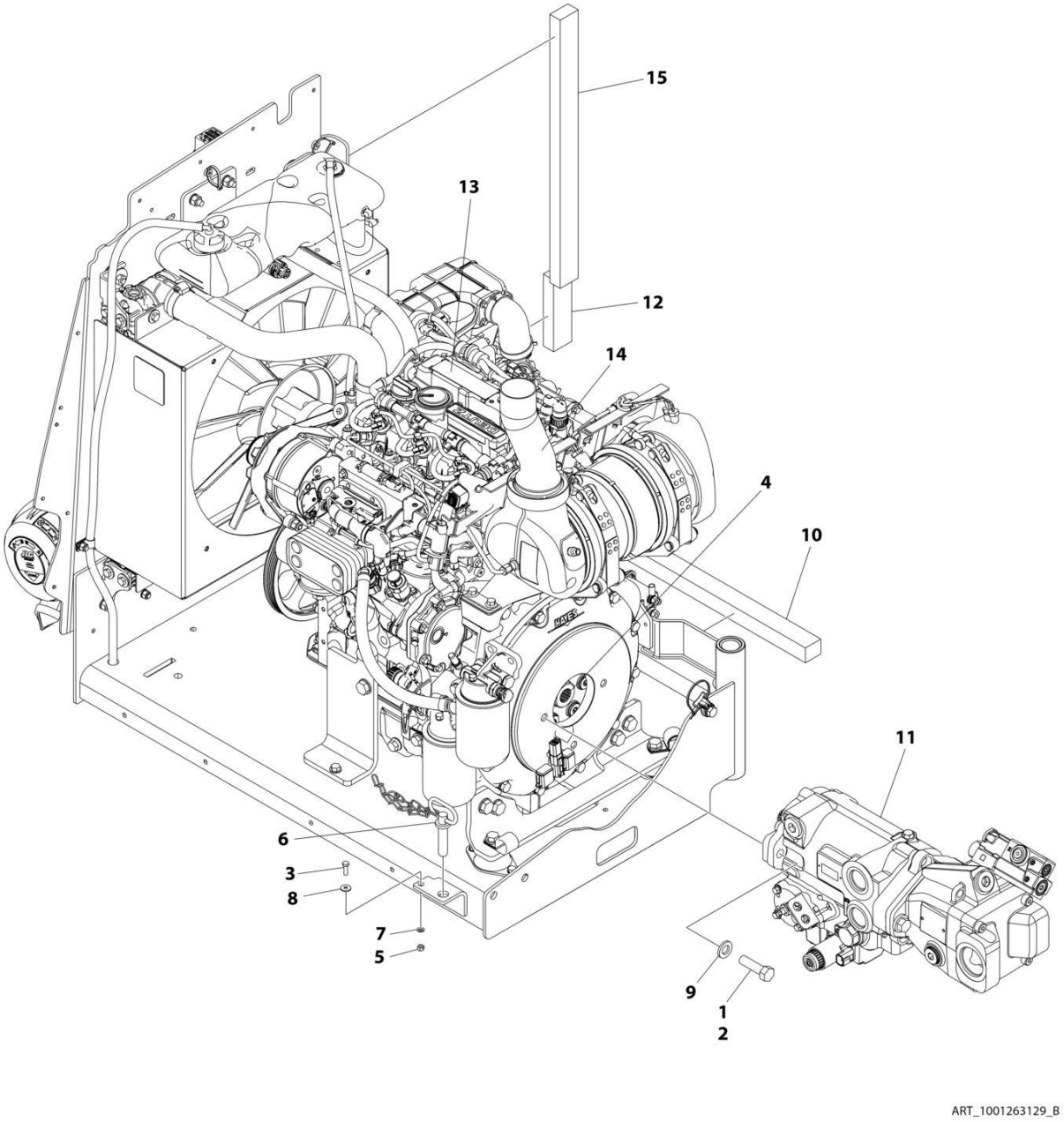
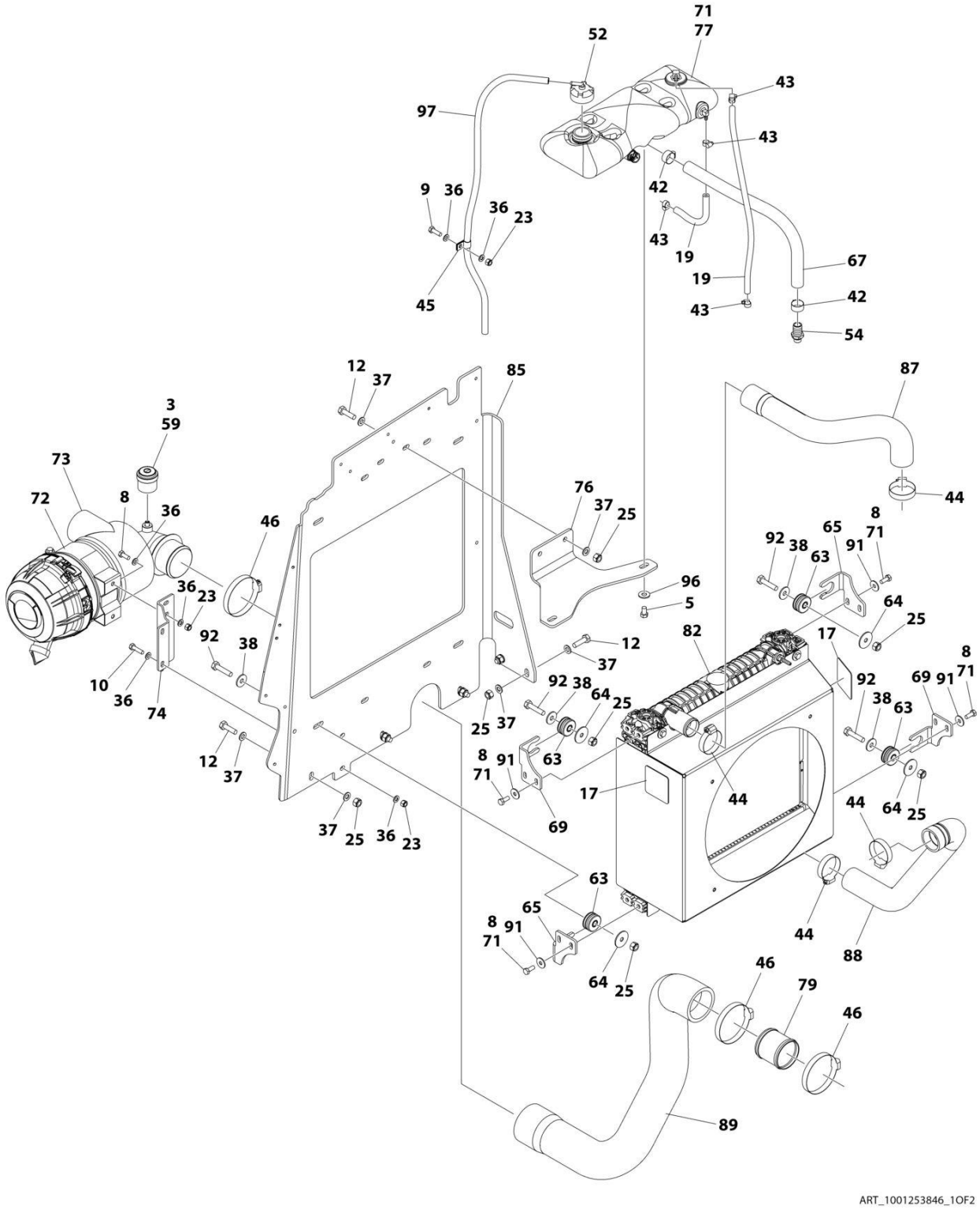


FIGURE 3-7. DEUTZ TD2.2L3 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY (SN 0300292109 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263129	Ref	DEUTZ TD2.2L3 ENGINE AND PUMPS SUB-ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0760610	1	Bolt M6 x 20	
4	3020037	AR	Lube, Coupling Grease	
5	3290605	1	Nut M6	
6	3422532	1	Pin	
7	4811700	1	Washer M6	
8	4811702	1	Washer M6	
9	5241200	2	Washer M12	
10	1001171953	1	Seal	
11	1001239601	1	Pumps Assembly (See Separate Breakdown in this Section)	
12	1001244508	1	Seal	
13	1001283636	1	Deutz TD2.2L3 Engine Assembly (See Separate Breakdown in this Section)	
14	1001253906	1	Pipe, Exhaust	
15	1001254279	1	Seal	

FIGURE 3-8. DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY (Prior to SN 0300292109)



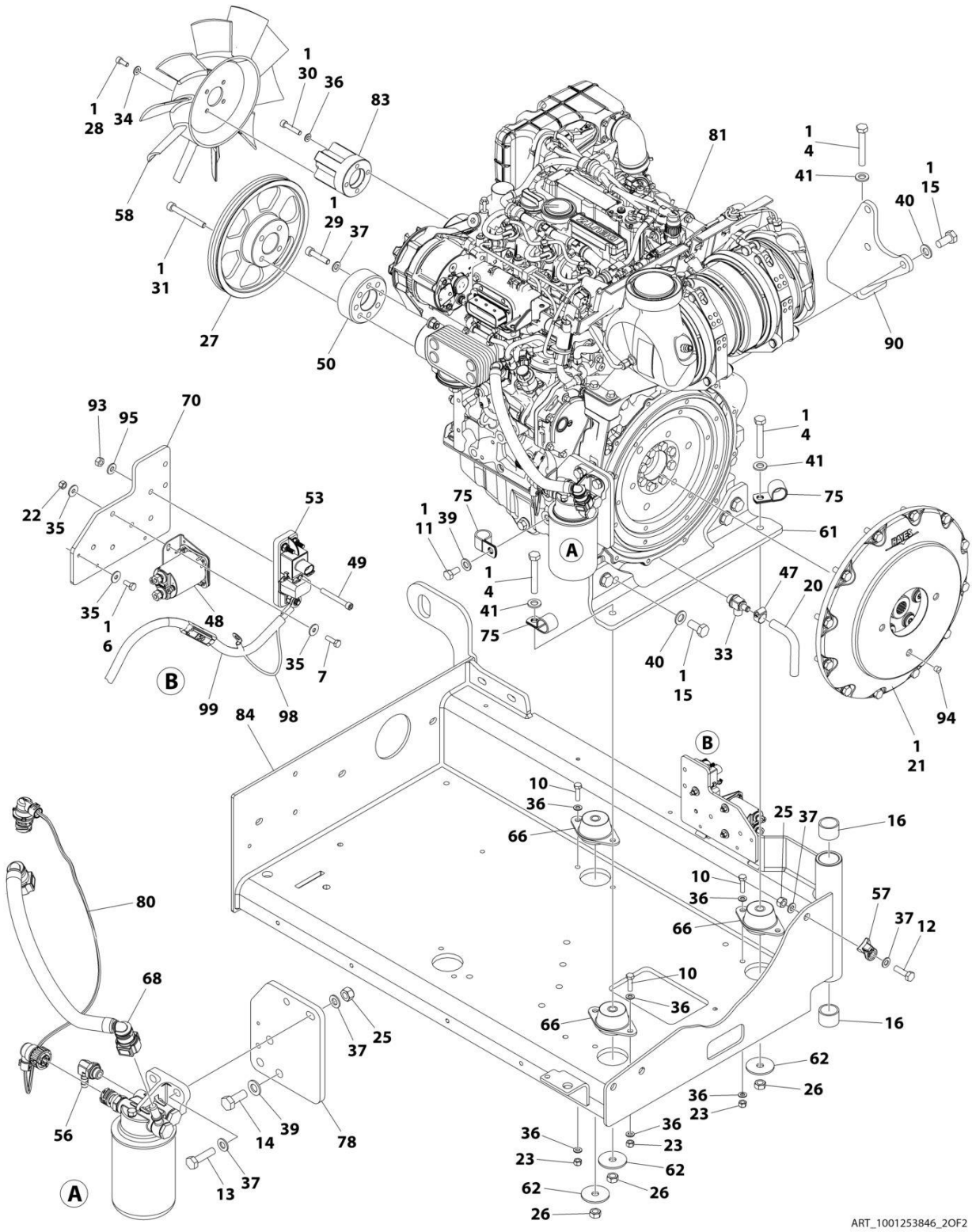

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FIGURE 3-8. DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY (Prior to SN 0300292109)

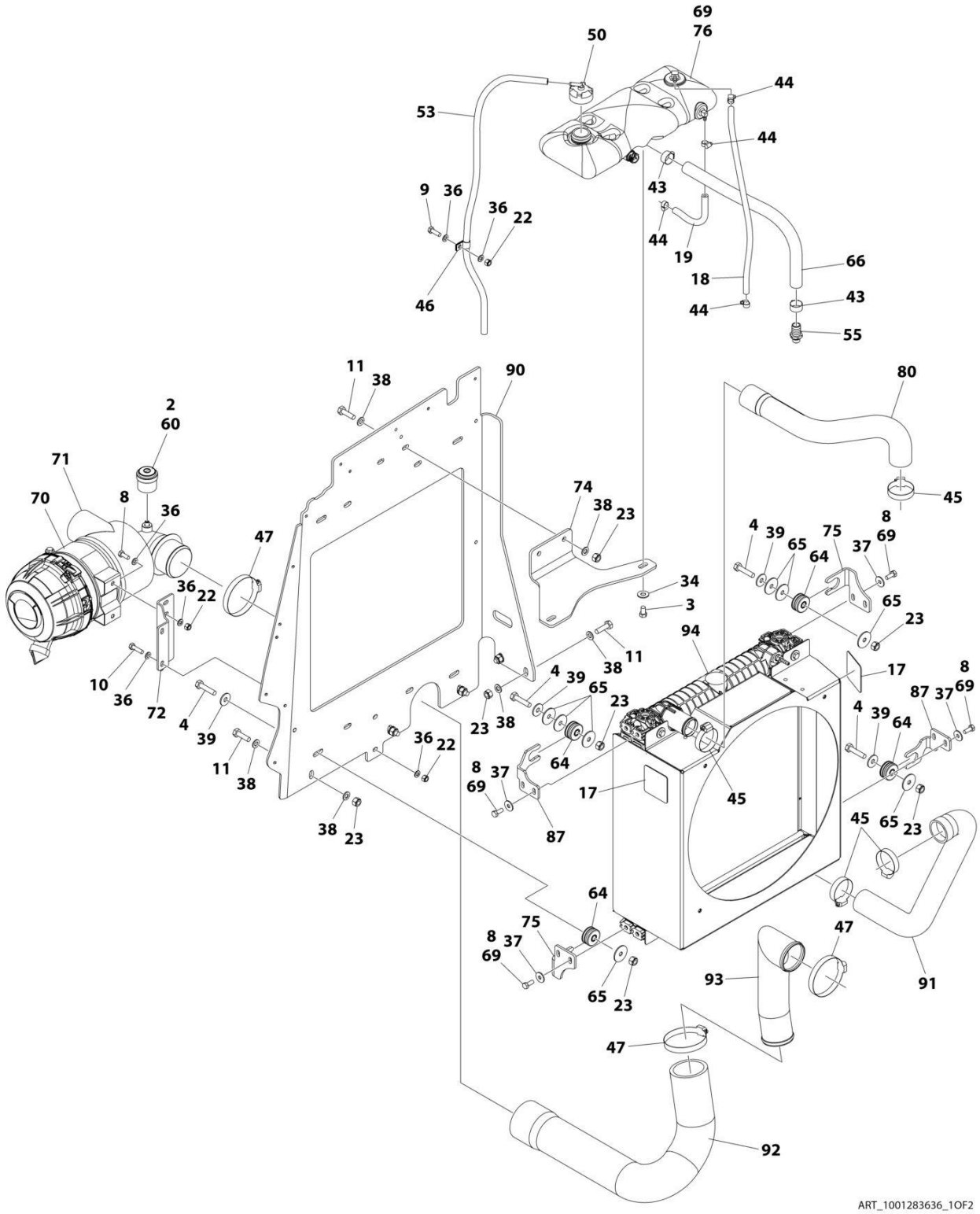
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253846	Ref	DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY	J
1	0100011	AR	Compound, Locking	
3	0100020	AR	Sealant	
4	0711224	3	Bolt M12 x 80	
5	0681605	2	Bolt 3/8 x 5/8	
6	0760607	3	Bolt M6 x 14	
7	0760610	2	Bolt M6 x 20	
8	0760810	10	Bolt M8 x 20	
9	0760812	1	Bolt M8 x 25	
10	0760814	8	Bolt M8 x 30	
11	0761212	1	Bolt M12 x 25	
12	0761015	8	Bolt M10 x 35	
13	0761016	2	Bolt M10 x 40	
14	0761214	3	Bolt M12 x 30	
15	0771414	7	Bolt M14 x 30	
16	0961951	2	Bushing	
17	1703162	2	Decal - Fan Blade	
19	2720015	6 ft/1.83m	Hose	
20	2720340	6 in/ 1.52cm	Hose	
21	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
22	3290605	2	Nut M6	
23	3290805	11	Nut M8	
25	3291005	14	Nut M10	
26	3331211	3	Nut M12	
27	1001260432	1	Pulley	
28	4031908	4	Bolt M8 x 20	
29	1001261045	4	Capscrew M10 x 45	
30	4031912	4	Bolt M8 x 40	
31	1001261085	4	Capscrew M10 x 85	
32	4240099	AR	Tie-Strap (Not Shown)	
33	4640751	1	Valve, Oil Drain	
34	4711500	4	Washer 5/16	
35	4811702	7	Washer M6	
36	4811900	26	Washer M8	
37	4812000	24	Washer M10	
38	4812002	4	Washer M10	
39	4812100	4	Washer M12	
40	4812200	7	Washer M14	
41	5241200	3	Washer M12	
42	8405007	2	Clamp	
43	8405009	4	Clamp	
44	8405104	4	Clamp	
45	8406109	1	Clip	
46	8410011	3	Clamp	
47	8410013	1	Clamp	
48	1001117308	1	Contactor	
49	3931432	1	Bolt 1/4 x 20	
50	1001258800	1	Adapter	
52	1001136834	1	Cap, Tank	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	1001138228	1	Relay	
54	1001143797	1	Fitting, Straight Barbed	
55	1001146588	5	Tie-Strap (Not Shown)	
56	1001152489	1	Fitting, 90 Barbed	
57	1001156107	1	Holder, Cable	
58	1001165849	1	Fan	
59	1001166716	1	Restriction, Indicator	
61	1001166924	1	Bracket, Engine - Rear	
62	1001168018	3	Washer	
63	1001169054	4	Isolator	
64	1001169138	4	Pad, Snubbing	
65	1001204325	2	Bracket	
66	1001166718	3	Isolator	
67	1001176511	1	Hose	
68	1001177359	1	Hose	
69	1001178223	2	Bracket	
70	1001179903	1	Bracket	
71	1001180620	AR	Adhesive	
72	1001186426	1	Clamp	
73	1001189979	1	Filter, Air Cleaner	
73	70005008	1	Element, Filter	
74	1001190942	1	Support	
75	1001191620	3	Clamp	
76	1001192400	1	Bracket	
77	1001230635	1	Tank, Surge	
77	1001134488	1	Fitting, 90 Barbed	
77	1001138827	1	Sensor, Coolant Level	
77	1001140564	1	Fitting, 90 Barbed	
78	1001258804	1	Mount, Fuel Filter	
79	1001238911	1	Pipe	
80	1001245913	1	Harness, Fuel Filter (Deutz TD2.2L3 (Stage V) Engine) (See Separate Breakdown in ELECTRICAL Section)	
81	1001246012	1	Deutz TD2.2L3 (Stage V) Engine (See Separate Breakdown in this Section)	
82	1001256930	1	Radiator	
83	1001248608	1	Adapter	
84	1001248817	1	Support, Engine Tray	
85	1001248819	1	Plate	
86	1001253798	1	Engine Harness - Deutz TD2.2L3 (Stage V) Engine (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
87	1001253849	1	Hose, Radiator (Top)	
88	1001253863	1	Hose, Radiator (Bottom)	
89	1001253870	1	Hose	
90	1001254878	1	Bracket, Engine - Right	
91	4811902	8	Washer	
92	0701017	4	Bolt M10 x 25	
93	3311405	1	Nut 1/4	
94	3520054	1	Plug	
95	4711400	1	Washer 1/4	
96	4751600	2	Washer 3/8	
97	1001138248	3.6 ft/1.1m	Tube Nylon	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
98	1001141304	1	Wire, Glow Plug Fuse	
99	1001143907	1	Cable	

FIGURE 3-9. DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY (SN 0300292109 to Present)



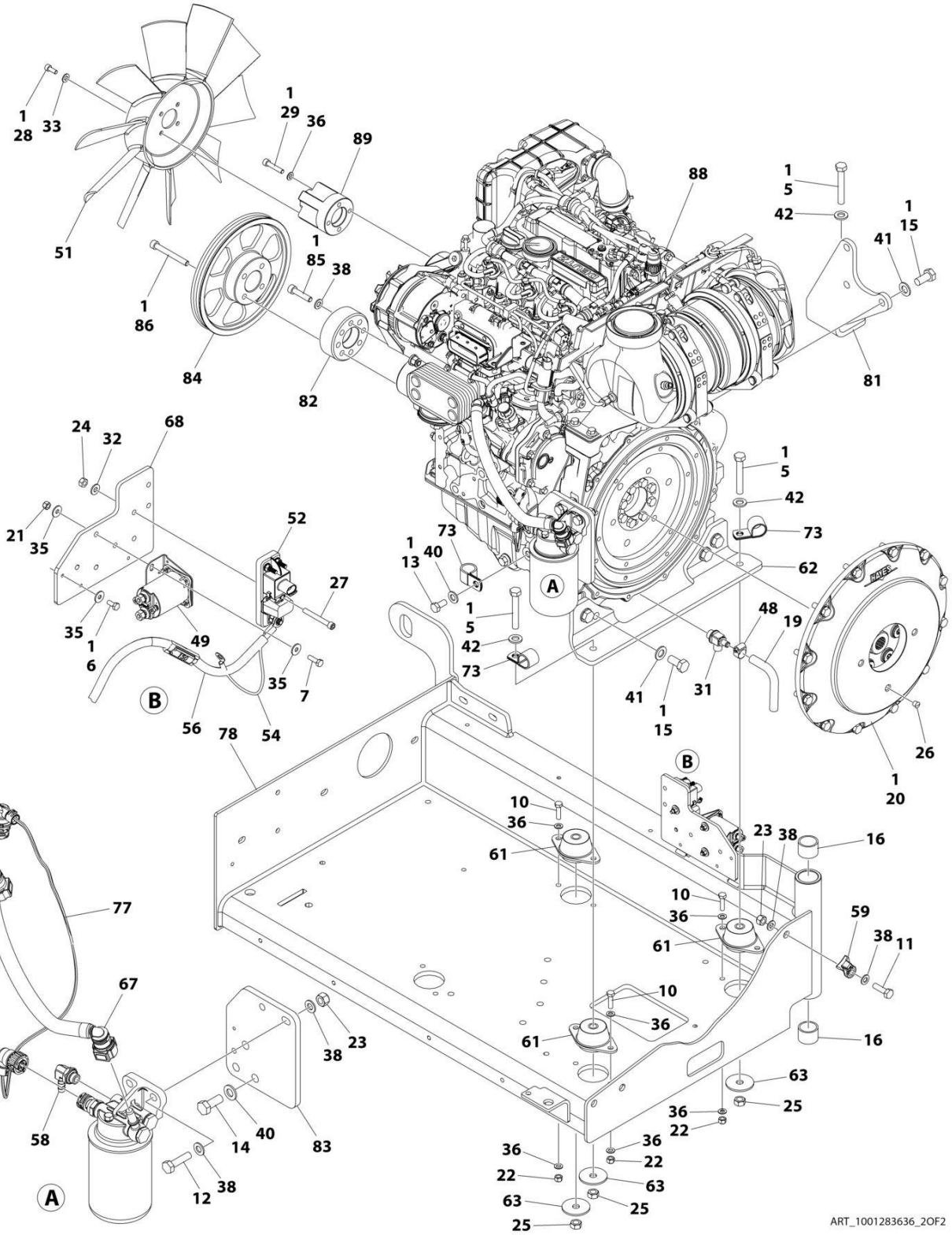

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FIGURE 3-9. DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY (SN 0300292109 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283636	Ref	DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0681605	2	Bolt 3/8 x 5/8	
4	0701018	4	Bolt M10 x 50	
5	0711224	3	Bolt M12 x 80	
6	0760607	3	Bolt M6 x 14	
7	0760610	2	Bolt M6 x 20	
8	0760810	10	Bolt M8 x 20	
9	0760812	1	Bolt M8 x 25	
10	0760814	8	Bolt M8 x 30	
11	0761015	8	Bolt M10 x 35	
12	0761016	2	Bolt M10 x 40	
13	0761212	1	Bolt M12 x 25	
14	0761214	3	Bolt M12 x 30	
15	0771414	7	Bolt M14 x 30	
16	0961951	2	Bushing	
17	1703162	2	Decal - Fan Blade	
18	2720015	2.3 ft/ 0.71m	Hose	
19	2720340	4.6 in/ 11.6cm	Hose	
20	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
21	3290605	2	Nut M6	
22	3290805	11	Nut M8	
23	3291005	14	Nut M10	
24	3311405	1	Nut 1/4	
25	3331211	3	Nut M12	
26	3520054	1	Plug	
27	3931432	1	Bolt 1/4 x 20	
28	4031908	4	Bolt M8 x 20	
29	4031912	4	Bolt M8 x 40	
30	4240099	AR	Tie-Strap (Not Shown)	
31	4640751	1	Valve, Oil Drain	
32	4711400	1	Washer 1/4	
33	4711500	4	Washer 5/16	
34	4751600	2	Washer 3/8	
35	4811702	7	Washer M6	
36	4811900	26	Washer M8	
37	4811902	8	Washer	
38	4812000	24	Washer M10	
39	4812002	4	Washer M10	
40	4812100	4	Washer M12	
41	4812200	7	Washer M14	
42	5241200	3	Washer M12	
43	8405007	2	Clamp	
44	8405009	4	Clamp	
45	8405104	4	Clamp	
46	8406109	1	Clip	
47	8410011	3	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	8410013	1	Clamp	
49	1001117308	1	Contactor	
50	1001136834	1	Cap, Tank	
51	1001137276	1	Fan	
52	1001138228	1	Relay	
53	1001138248	3.6 ft/1.1m	Tube Nylon	
54	1001141304	1	Wire, Glow Plug Fuse	
55	1001143797	1	Fitting, Straight Barbed	
56	1001143907	1	Cable	
57	1001146588	5	Tie-Strap (Not Shown)	
58	1001152489	1	Fitting, 90 Barbed	
59	1001156107	1	Holder, Cable	
60	1001166716	1	Restriction, Indicator	
61	1001166718	3	Isolator	
62	1001166924	1	Bracket, Engine - Rear	
63	1001168018	3	Washer	
64	1001169054	4	Isolator	
65	1001169138	4	Pad, Snubbing	
66	1001176511	1	Hose	
67	1001177359	1	Hose	
68	1001179903	1	Bracket	
69	1001180620	AR	Adhesive	
70	1001186426	1	Clamp	
71	1001189979	1	Filter, Air Cleaner	
71	70005008	1	Element, Filter	
72	1001190942	1	Support	
73	1001191620	3	Clamp	
74	1001192400	1	Bracket	
75	1001204325	2	Bracket	
76	1001230635	1	Tank, Surge	
76	1001134488	1	Fitting, 90 Barbed	
76	1001138827	1	Sensor, Coolant Level	
76	1001140564	1	Fitting, 90 Barbed	
77	1001245913	1	Harness, Fuel Filter (Deutz TD2.2L3 (Stage V) Engine) (See Separate Breakdown in ELECTRICAL Section)	
78	1001248817	1	Support, Engine Tray	
79	1001253798	1	Engine Harness - Deutz TD2.2L3 (Stage V) Engine (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
80	1001253849	1	Hose, Radiator (Top)	
81	1001254878	1	Bracket, Engine - Right	
82	1001258800	1	Adapter	
83	1001258804	1	Mount, Fuel Filter	
84	1001260432	1	Pulley	
85	1001261045	4	Capscrew M10 x 45	
86	1001261085	4	Capscrew M10 x 85	
87	1001281292	2	Bracket	
88	1001282309	1	Deutz TD2.2L3 (Stage V) Engine (See Separate Breakdown in this Section)	
89	1001283651	1	Adapter	
90	1001283777	1	Plate	
91	1001283901	1	Hose, Radiator (Bottom)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
92	1001283918	1	Hose	
93	1001284407	1	Hose	
94	1001284529	1	Radiator	

FIGURE 3-10. DEUTZ TD2.2L3 (STAGE V) ENGINE COMPONENTS (Prior to SN 0300292109)

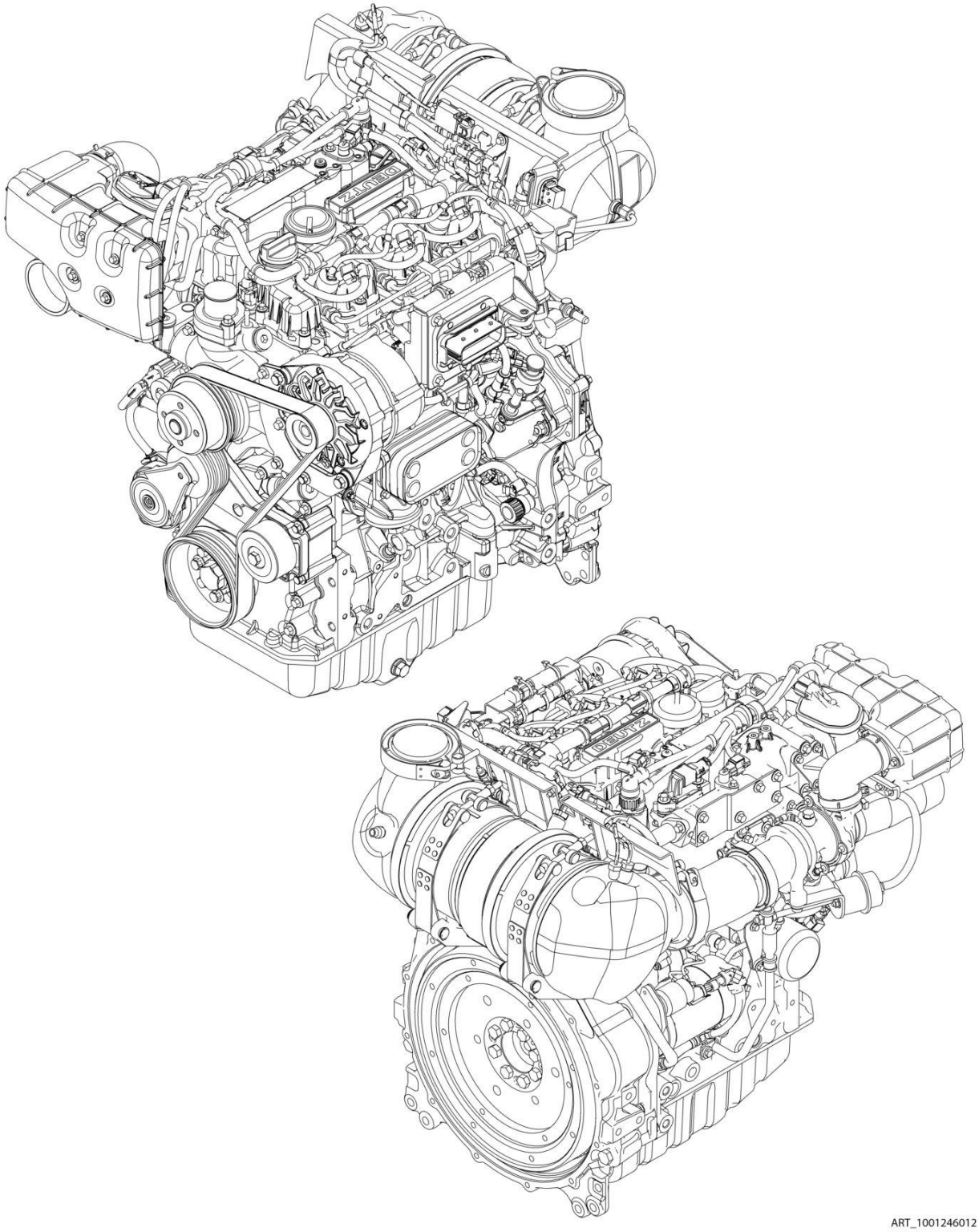


FIGURE 3-10. DEUTZ TD2.2L3 (STAGE V) ENGINE COMPONENTS (Prior to SN 0300292109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246012	Ref	DEUTZ ENGINE COMPONENTS	C
		Ref	Note: For complete list of parts, contact JLG Parts Department	
		Ref	Air Intake System Components	
		Ref	Turbocharger	
		Ref	Cooling System Components	
		Ref	Pump, Coolant (Includes Gasket & Seals)	
	70007603	1	Thermostat	
	70005184	1	O-Ring	
	70005931	1	Gasket	
	70025142	1	Cover	
		Ref	Electrical System Components	
	70029512	1	Module, ECU/ECM	
	70006652	1	Generator (Includes Controller, Fan & Hardware)	
	70124507	1	Starter (Includes Solenoid & Relay)	
	70005648	1	Relay, Starter	
	70026210	1	Sender, Tacho-Generator (Speed) (On Rear of Block & Cover) (Includes Seal)	
	70024922	1	Sender, Temperature (Includes Seal) (On Air Intake Manifold)	
	70024507	1	Sensor, Pressure (Includes Seal) (On Air Intake Manifold)	
	70024504	1	Sensor, Pressure (Includes Seal) (On Fuel Filter & Side of Block)	
		Ref	Sensor, Pressure (Includes Seal) (On Exhaust Manifold)	
		Ref	Sensor, Temperature (Includes Seal) (On Exhaust Manifold)	
		Ref	Plug, Glow	
		Ref	Exhaust System Components	
		Ref	Valve, EGR	
	70025130	8	Bolt, Exhaust Manifold	
		Ref	Gasket, Exhaust Manifold	
		Ref	Outlet, Muffler	
		Ref	Muffler	
		Ref	Bracket, Muffler Mounting	
		Ref	Compensator, Exhaust	
		Ref	Fuel System Components	
	70024924	1	Pump, High Pressure	
	70025181	4	Injector (Includes Sealing washer, Clamp & O-Ring)	
	70006144	1	Pump, Fuel Supply (Includes Clamps)	
	70024961	1	Filter, Fuel (Pre-Filter Assembly) (Includes Head, Spin on filter, Sensor Cable & Seal)	
	70025153	1	Filter, Fuel Spin On	
	70024513	1	Sensor Cable (Includes Seal)	
	70025160	1	Filter, Fuel (Assembly) (Includes Head & Spin on Filter)	
	70025161	1	Filter, Fuel Spin On	
	70004508	1	Vol. Control Valve (Includes O-Ring & Gasket)	
		Ref	Lubricating System Components	
	7020465	2	Cap, Oil Fill	
	70005941	2	Plug, Oil Drain	
	70005942	2	Seal, Oil Drain Plug	
		Ref	Pump, Oil (Includes Seal & Gasket)	
	7016331	1	Filter, Oil	
	70123584	1	Cooler, Oil	
		Ref	Dipstick (Includes Seal)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Mechanical Components	
		Ref	Flywheel (includes Gear)	
	70004277	1	V-Belt	
	70025477	1	Belt Tensioner	

FIGURE 3-11. DEUTZ TD2.2L3 (STAGE V) ENGINE COMPONENTS (SN 0300292109 to Present)

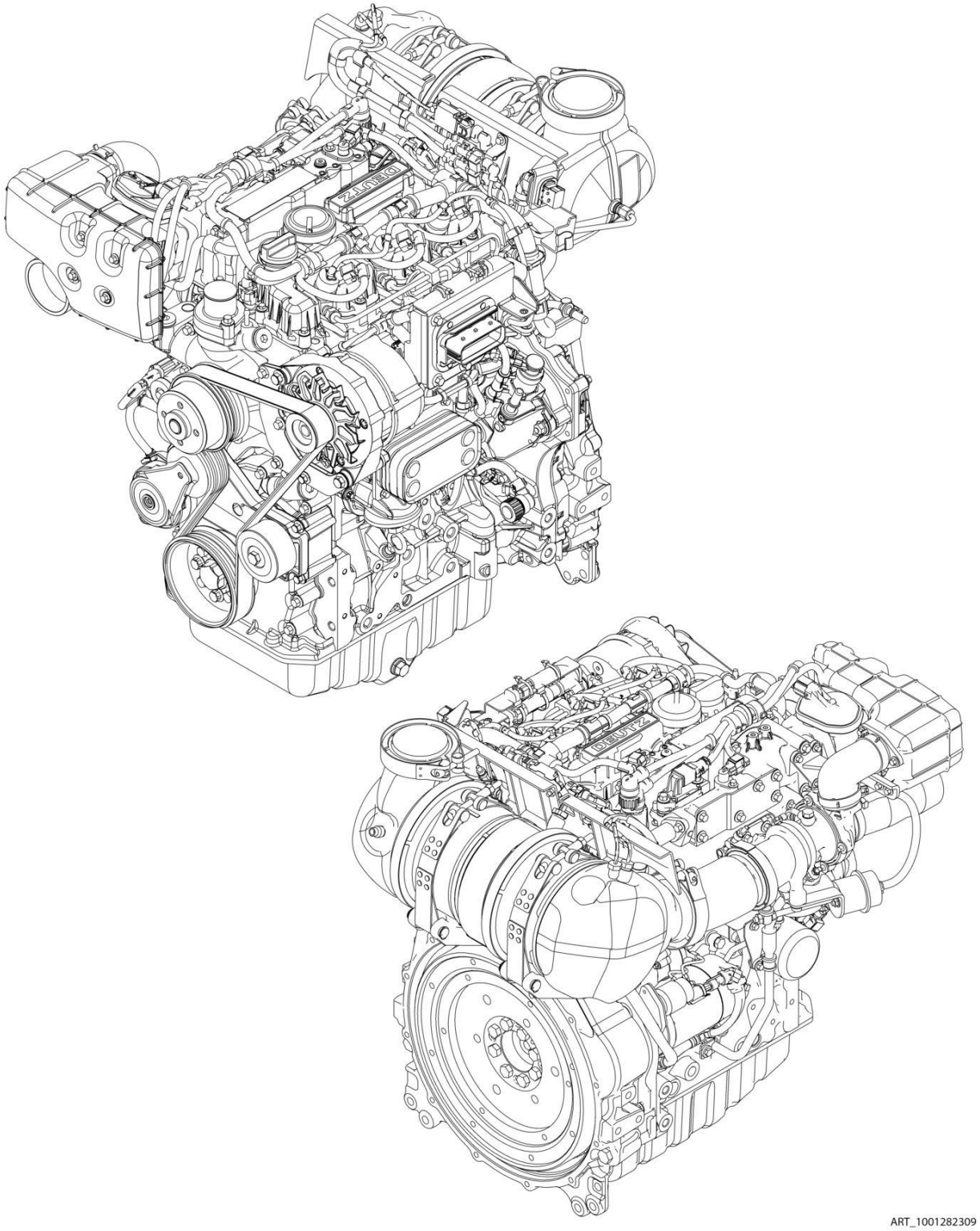


FIGURE 3-11. DEUTZ TD2.2L3 (STAGE V) ENGINE COMPONENTS (SN 0300292109 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282309	Ref	DEUTZ ENGINE COMPONENTS	A
		Ref	Note: No Service Parts Available At Time of Printing.	

FIGURE 3-12. DEUTZ TD2.9L4 ENGINE INSTALLATION

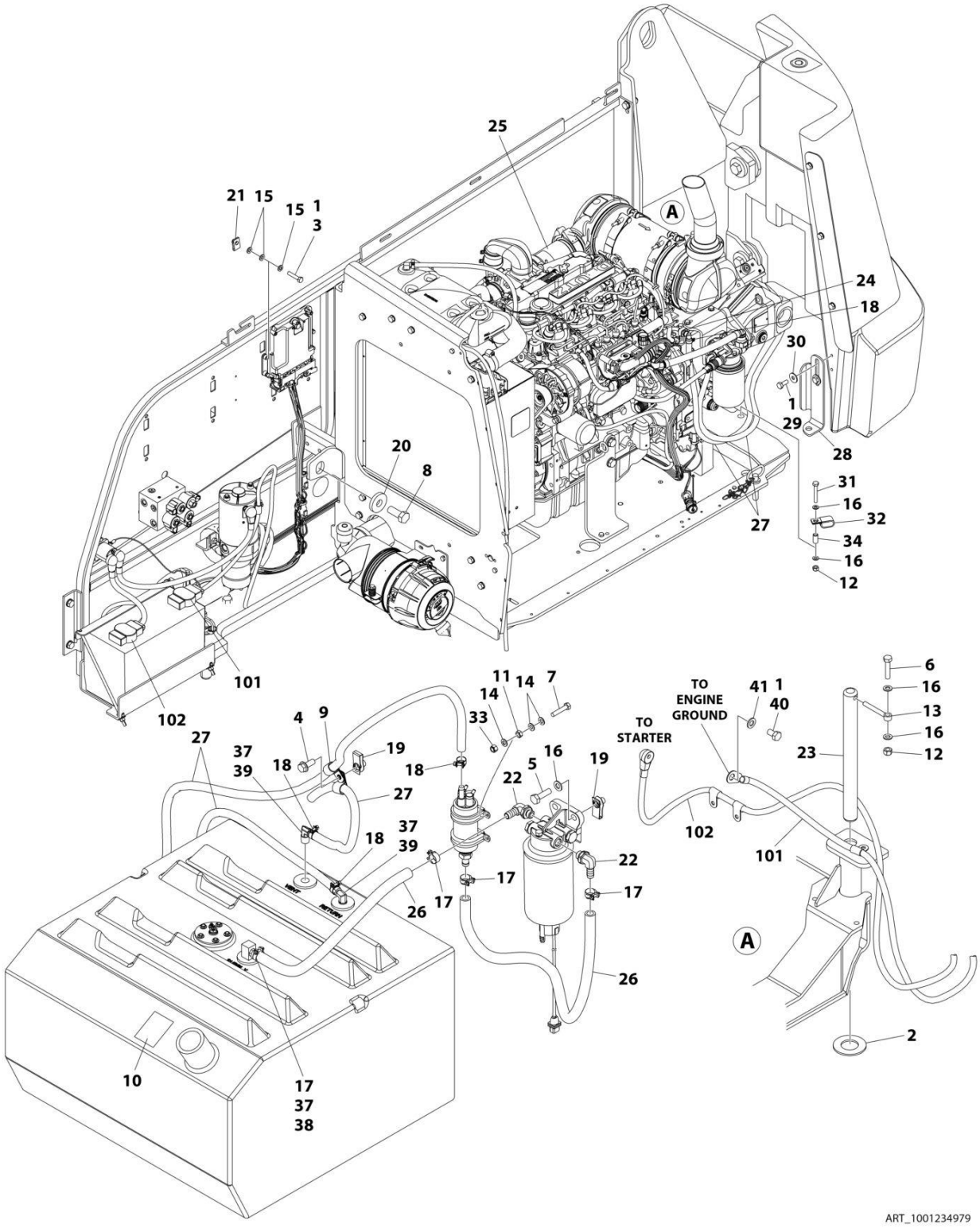


FIGURE 3-12. DEUTZ TD2.9L4 ENGINE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234979	Ref	DEUTZ TD2.9L4 ENGINE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0440162	1	Bearing	
3	0700614	4	Bolt M6 x 30	
4	5251012	1	Bolt M10 x 25	
5	0701015	2	Bolt M10 x 35	
6	0711018	1	Bolt M10 x 50	
7	0760512	4	Bolt M5 x 25	
8	0772018	1	Bolt M20 x 50	
9	1320061	2	Clamp	
10	1701505	1	Decal - Diesel Fuel	
11	3290501	4	Nut M5	
12	3291005	2	Nut M10	
13	3841143	1	Keeper, Pin	
14	4811600	12	Washer M5	
15	4811700	12	Washer M6	
16	4812000	6	Washer M10	
17	1001175568	4	Clip	
18	1001136975	5	Clamp	
19	1001118972	3	Nut, Tinnerman M10	
20	1001119051	1	Washer	
21	1001130220	4	Nut, Tinnerman M6	
22	1001142501	2	Fitting, 90 Barbed	
23	1001155094	1	Pin	
24	1001155823	1	Fitting, 90 Quick Connect	
25	1001238266	1	Deutz TD2.9L4 Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
26	1001154405	3 ft/84cm	Hose	
27	1001165035	27 ft/ 8.2m	Hose	
28	1001196398	1	Bracket	
29	0701012	2	Bolt M10 x 25	
30	4812002	2	Washer M10	
31	0701022	1	Bolt M10 x 70	
32	1001026127	1	Clamp	
33	3290505	4	Nut M5	
34	1001200731	1	Tube	
35	4240099	1	Tie-Strap (Not Shown)	
36	1001190444	1	Fuel Pump Harness - Deutz TD2.9L4 - 67HP Engine (Not Shown) (See Seperate Breakdown in ELECTRICAL Section)	
37	0100020	AR	Sealant	
38	2180832	1	Fitting, Straight Barbed	
39	2220313	2	Fitting, 90 NPTF/Barb	
40	0761210	1	Bolt M12 x 20	
41	4812100	1	Washer M12	
100	1001235532	1	Battery Cable Kit (Includes Items 47 & 48) (Not Shown)	
101	1001188668	1	Cable, Battery (-) to Aux Pump and Ground	
102	1001188669	1	Cable, Battery (+) to Aux Relay to Starter	
200	1001269919	1	Hose Kit (not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
201	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
202	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
203	1001203432	1	Hose (Drive Suction) (Not Shown)	
204	1001203433	1	Hose (Function Suction) (Not Shown)	

FIGURE 3-13. DEUTZ TD2.9L4 ENGINE AND PUMPS SUB-ASSEMBLY

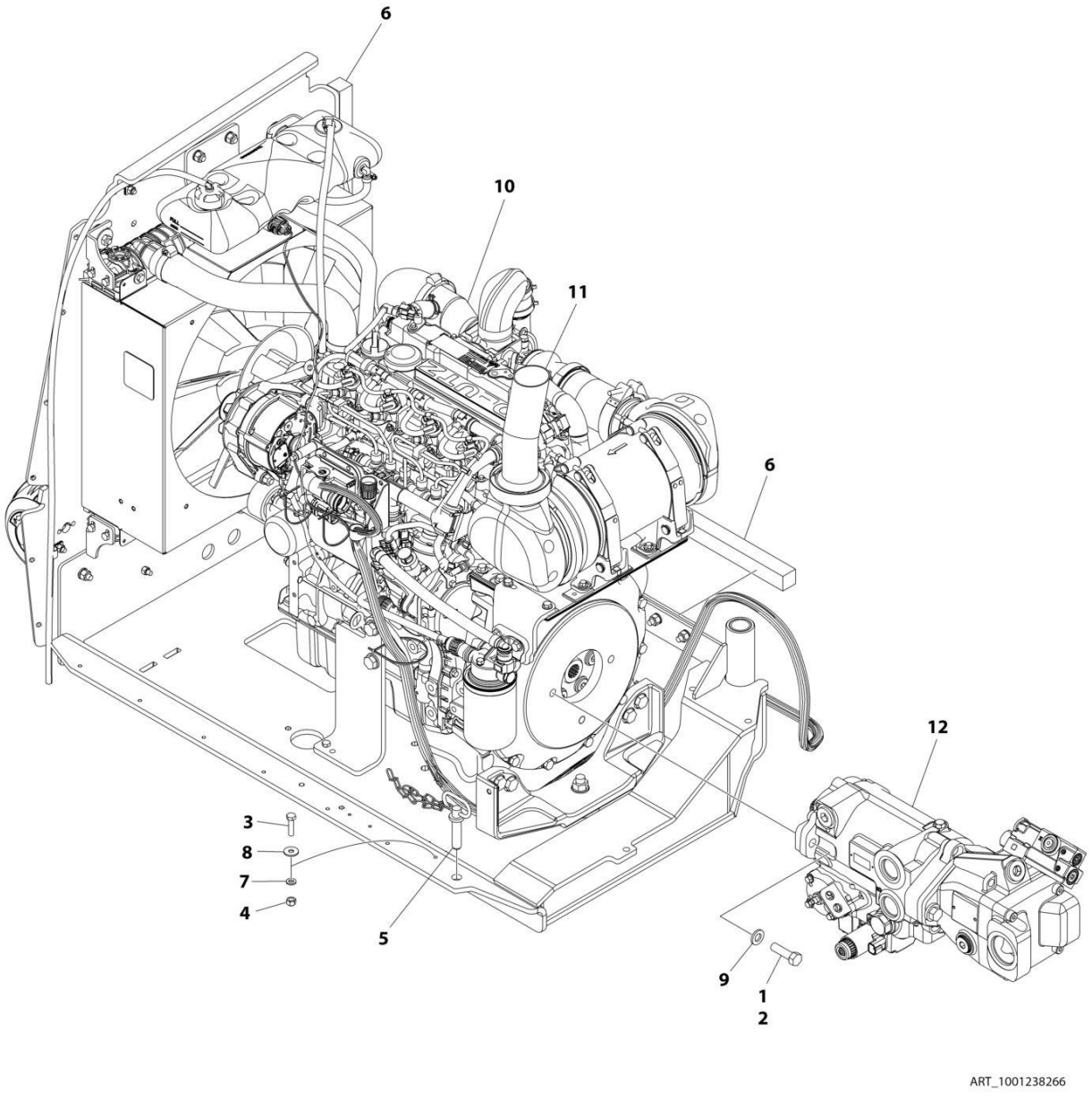
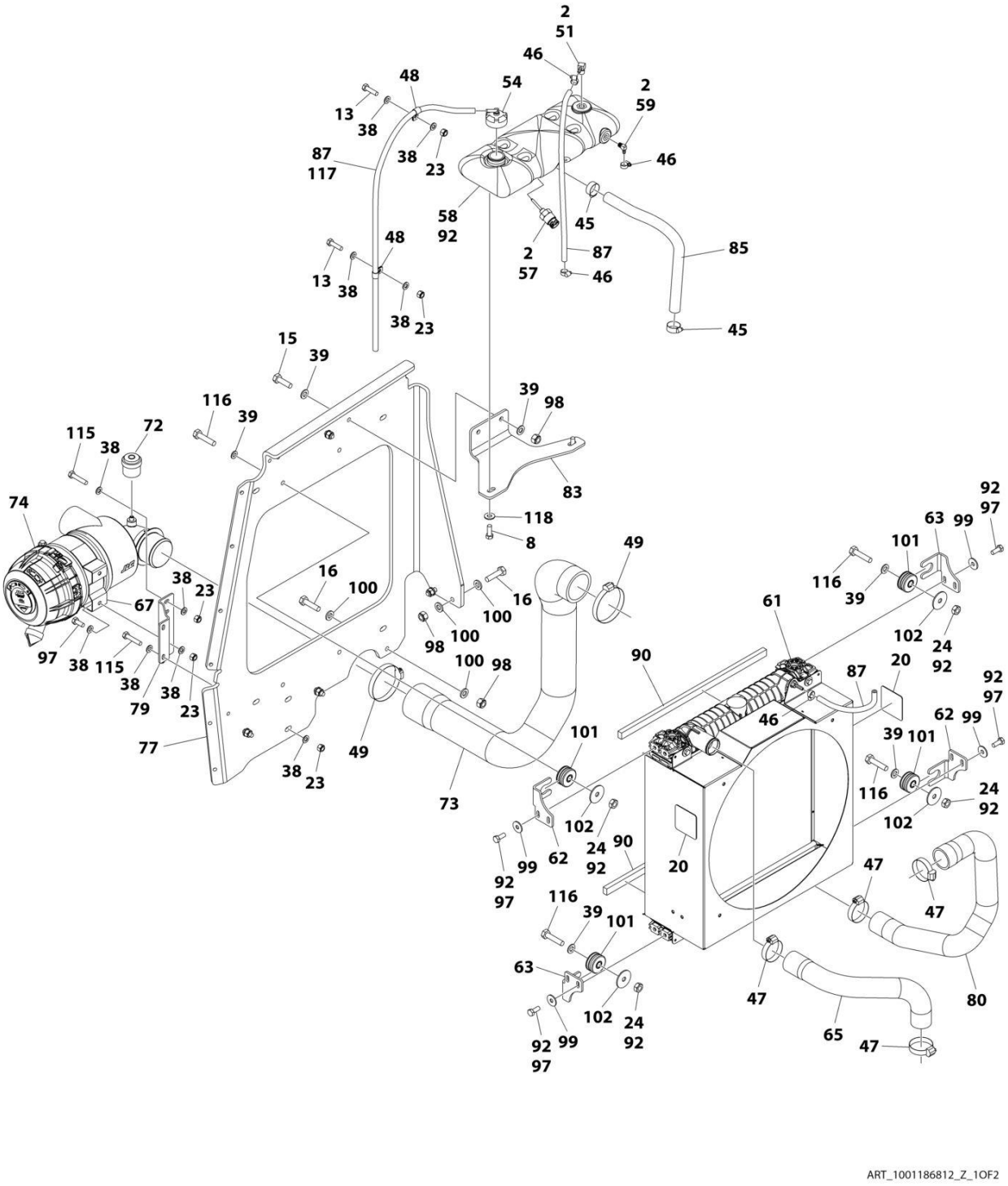


FIGURE 3-13. DEUTZ TD2.9L4 ENGINE AND PUMPS SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238266	Ref	DEUTZ TD2.9L4 ENGINE AND PUMPS SUB-ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0760612	1	Bolt M6 x 25	
4	3290605	1	Nut M6	
5	3422532	1	Pin	
6	3960469	2	Seal	
7	4811700	1	Washer M6	
8	4811702	1	Washer M6	
9	5241200	2	Washer M12	
10	1001186812	1	Deutz TD2.9L4 - 67HP Engine Assembly (See Separate Breakdown in this Section)	
11	1001239207	1	Pipe, Exhaust	
12	1001239601	1	Pumps Assembly (See Separate Breakdown in this Section)	

FIGURE 3-14. DEUTZ TD2.9L4 ENGINE ASSEMBLY



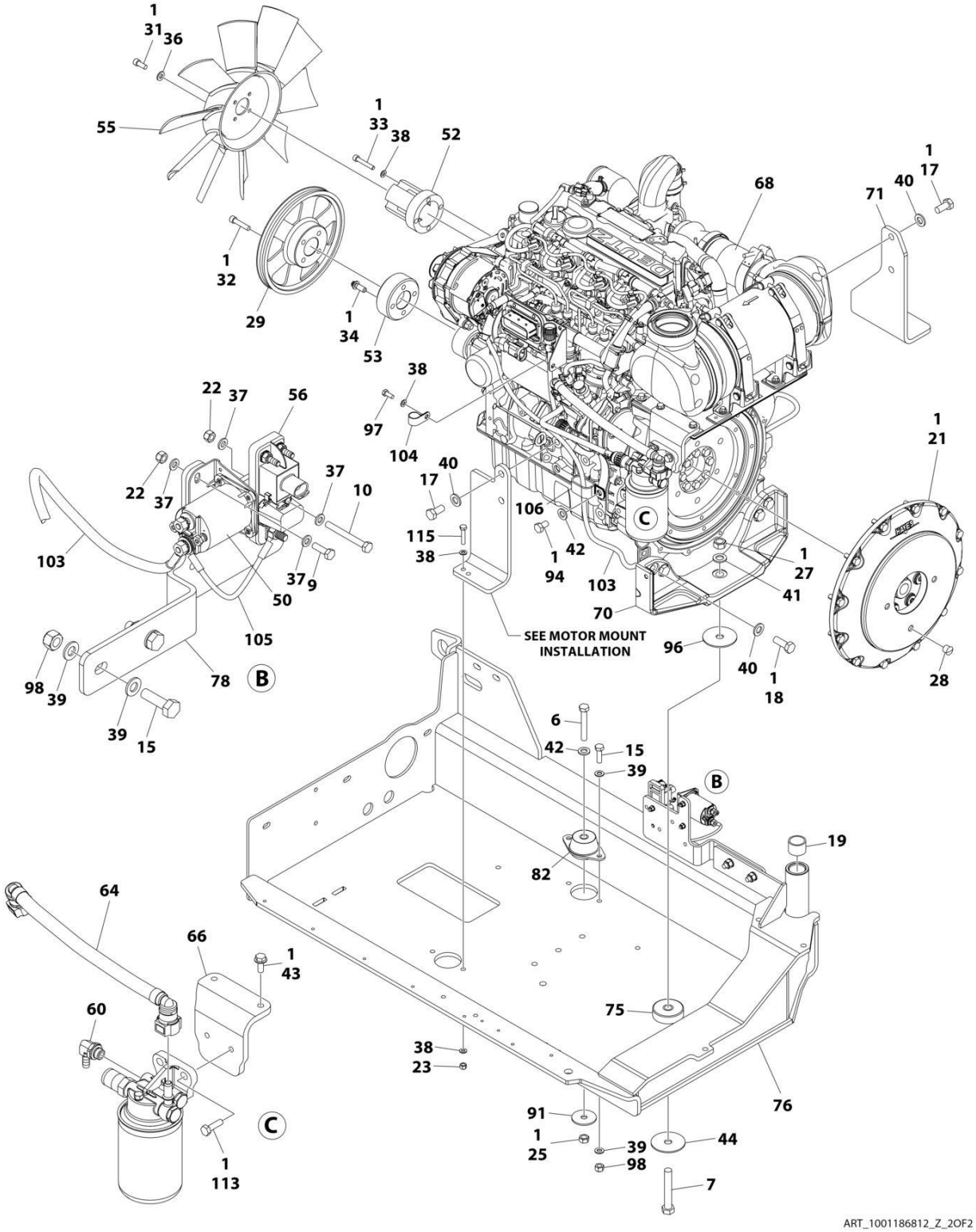

SEE MOTOR MOUNT INSTALLATION
ART_1001186812_Z_2OF2

FIGURE 3-14. DEUTZ TD2.9L4 ENGINE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186812	Ref	DEUTZ TD2.9L4 - 67HP ENGINE ASSEMBLY	Z
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
6	0711224	1	Bolt M12 x 80	
7	0711627	1	Bolt M16 x 100	
8	0681608	2	Bolt 3/8 x 1	
9	0760610	2	Bolt M6 x 20	
10	0760619	1	Bolt M6 x 55	
13	0760814	AR	Bolt M8 x 30	
15	0761015	6	Bolt M10 x 35	
16	0761016	5	Bolt M10 x 40	
17	0771414	4	Bolt M14 x 30	
18	0771416	4	Bolt M14 x 40	
19	0961951	2	Bushing	
20	1703162	2	Decal - Fan Blade	
21	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
22	3290605	AR	Nut M6	
23	3290805	AR	Nut M8	
24	3291001	4	Nut M10	
25	3331211	1	Nut M12	
27	3331611	1	Nut M16	
28	3520054	1	Plug	
29	3580320	1	Pulley	
31	3931512	4	Capscrew 5/16 x 3/4	
32	3931628	4	Capscrew 3/8 x 1-3/4	
33	4031914	4	Capscrew M8 x 50	
34	4032014	4	Capscrew M10 x 50	
36	4711500	4	Washer 5/16	
37	4811700	AR	Washer M6	
38	4811900	AR	Washer M8	
39	4812000	20	Washer M10	
40	5241400	8	Washer M14	
41	4812300	1	Washer M16	
42	5241200	2	Washer M12	
43	5250810	2	Bolt M8 x 20	
44	7300435	1	Washer	
45	8405007	2	Clamp	
46	8405009	4	Clamp	
47	8405104	4	Clamp	
48	8406109	AR	Clip	
49	8410011	2	Clamp	
50	1001117308	1	Contactor	
51	1001134488	1	Fitting, 90 Barbed (Part of Item 58)	
52	1001135138	1	Adapter, Fan	
53	1001135679	1	Adapter	
54	1001136834	1	Cap, Tank	
55	1001137276	1	Fan	
56	1001138228	1	Relay	
57	1001138827	1	Sensor, Coolant Level (Part of Item 58)	
58	1001230635	1	Tank, Surge (Include Items 51, 57 & 59)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
59	1001140564	1	Fitting, 90 Barbed (Part of Item 58)	
60	1001152489	1	Fitting, 90 Barbed	
61	1001167042	1	Radiator	
62	1001169967	2	Bracket	
63	1001170035	2	Bracket	
64	1001177359	1	Hose	
65	1001177844	1	Hose, Radiator (Top)	
66	1001231805	1	Mount	
67	1001186426	1	Clamp, Air Cleaner	
68	1001249943	1	Deutz TD2.9L4 - 67HP Engine (See Separate Breakdown in this Section)	
69	1001233895	1	Engine Harness - Deutz TD2.9L4 - 67HP Engines (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
70	1001188535	1	Bracket, Engine - Rear	
71	1001189026	1	Bracket, Engine - Right	
72	1001166716	1	Restriction, Indicator	
73	1001189913	1	Hose	
74	1001189979	1	Filter, Air	
74	70005008	1	Element, Filter	
75	1001190164	1	Mount, Motor	
76	1001200745	1	Tray	
77	1001229091	1	Support, Radiator	
78	1001203885	1	Plate	
79	1001190942	1	Support	
80	1001191025	1	Hose, Radiator (Bottom)	
82	1001191610	1	Mount, Motor	
83	1001192400	1	Bracket	
85	1001193049	1	Hose	
87	2720015	AR	Hose	
90	1001168166	2	Seal	
91	1001168018	1	Washer	
92	1001180620	AR	Adhesive	
94	0761210	1	Bolt M12 x 20	
96	1001197725	1	Spacer	
97	0760810	11	Bolt M8 x 20	
98	3291005	11	Nut M10	
99	4811902	8	Washer M8	
100	5241000	10	Washer M10	
101	1001169054	4	Isolator	
102	1001169138	4	Pad, Snubbing	
103	1001190442	1	Harness, Alternator Power	
103	1001098764	1	Boot - Red	
104	1320202	1	Clamp	
105	1001141304	1	Harness, Glow Fuse	
106	1001181899	1	Clamp	
108	4240099	1	Tie-Strap (Not Shown)	
113	5251012	2	Bolt M10 x 25	
115	0760816	3	Bolt M8 x 40	
116	0761017	4	Bolt M10 x 45	
117	1001138248	4 ft/1.25m	Tube	
118	4751600	2	Washer 3/8	

FIGURE 3-15. DEUTZ TD2.9L4 ENGINE COMPONENTS

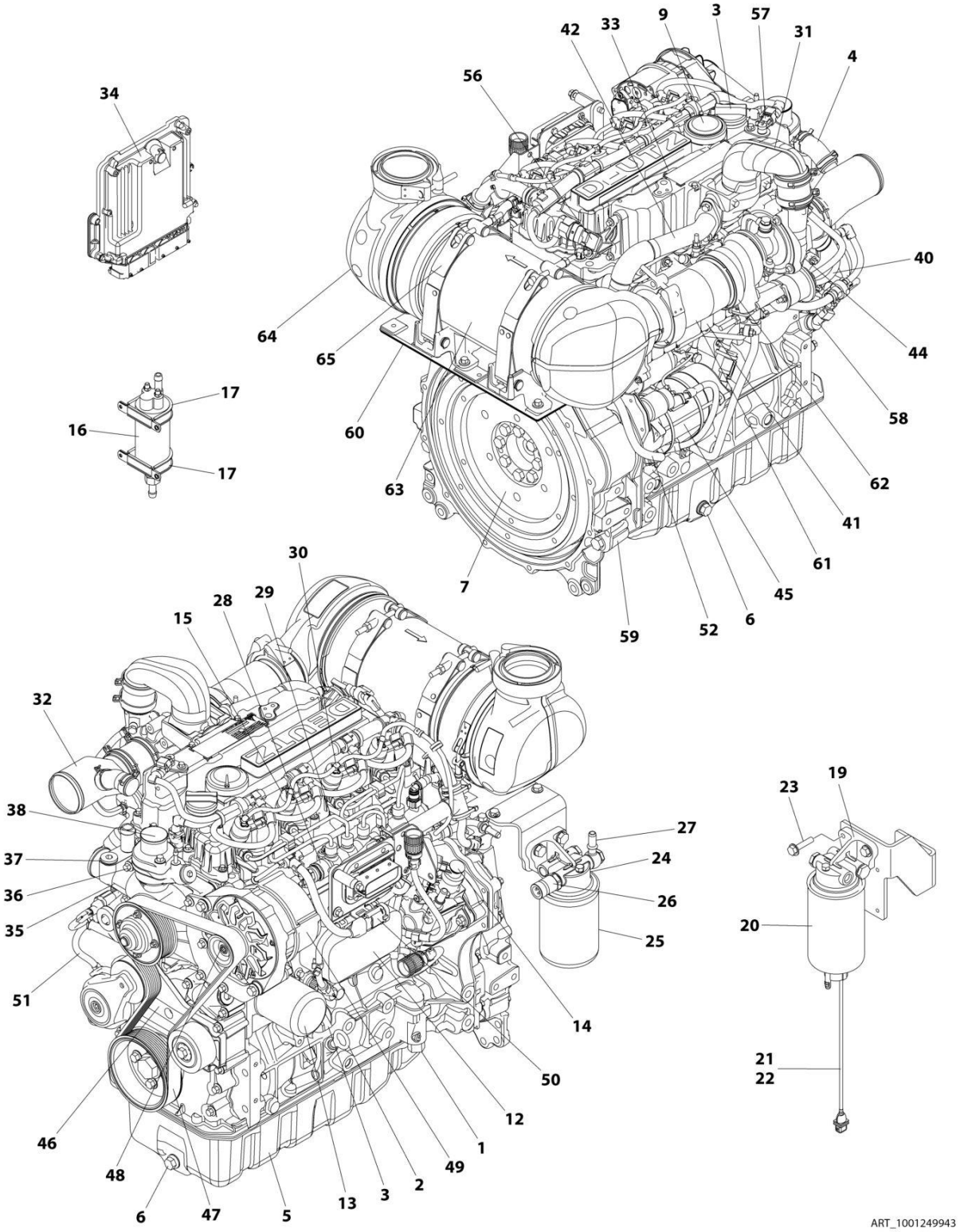


FIGURE 3-15. DEUTZ TD2.9L4 ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249943	Ref	ENGINE ASSEMBLY	A
1	70006265	1	Spring	
1	70006266	1	Seal	
1	70025660	1	Plug	
1	70006264	1	Valve, Plunger	
2	70024904	1	Dipstick	
2	70024905	2	Seal	
3	7020465	1	Cap, Fill	
4	70005920	1	Line, Breather	
4	70025111	2	Clamp	
5	70025162	1	Oil Pan	
6	70005942	1	Seal	
6	70005941	1	Plug	
7	70001870	1	Flywheel	
7	7024579	1	Ring Gear	
7	70025139	8	Bolt	
8	70024906	1	Gasket, Cylinder Head (Not Shown)	
9	70005921	1	Valve Cover	
9	70025205	1	Gasket	
10		Ref	Gasket & Seal Options (Not Shown)	
10	70005938	1	Gasket Kit	
10	70005171	1	Gasket	
10	70002718	1	Seal, Rear Main	
10	70028185	1	Gasket, Front Cover	
10	70004280	1	Seal, Front Main	
11	70005172	1	Pump, Lube (Not Shown - Located RH Rear)	
11	70025125	4	Bolt	
11	70025135	1	O-Seal	
11	70005173	1	Gasket	
12	70024494	1	Cooler, Oil	
12	70024925	1	Gasket, Oil Filter	
12	70025125	6	Bolt	
13	70025137	1	Bushing, Oil Filter	
13	7016331	1	Filter, Oil	
14	70024924	1	Pump, High Pressure	
14	70024517	1	Gasket (Spacer to Block)	
14	70025104	3	Nut	
14	70025152	1	Gasket (Spacer to Pump)	
14	70004505	1	Valve, Overflow	
14	70004506	1	Gasket, Overflow	
14	70004507	1	Gasket, Overflow	
14	70004508	1	Valve, Volume Control	
14	70004509	1	Seal, Ring	
14	70004510	1	Gasket	
14	70027415	2	Bolt	
15	70025181	4	Injector	
15	70025140	4	Washer, Sealing	
15	70025146	4	Clamp	
15	70025145	4	O-Seal	
15	70025154	4	Shoe/Pad, Clamping	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
15	70025147	4	Bolt	
16	70006144	1	Pump, Fuel Supply	
17	70025144	2	Clip, Clamp	
18	70029393	2	Receptacle Plug (Not Shown)	
19	70024961	1	Fuel Filter Assembly	
20	1001225430	1	Element, Filter	
21	70024513	1	Cable, Sensor	
22	70025239	1	Seal, Ring	
23	70025121	4	Bolt	
24	70029451	1	Fuel Filter Assembly	
25	1001225431	1	Element, Filter	
26	70028538	1	Cable, Sensor	
26	70024920	1	O-Seal	
27	70004513	2	Seal (at Hollow Bolt)	
28	70025151	1	Rail, Fuel	
28	70028186	2	Bolt	
28	70025235	1	Repair Kit - Fuel Rail	
28	70025240	1	O-Ring	
29	70025182	1	Tube, Fuel - Cylinders 1 & 2	
29	70025183	1	Tube, Fuel - Cylinders 3 & 4	
29	70025184	1	Tube, Fuel	
30	70024502	1	Pipe, Fuel Leakage	
30	70025185	1	Hose, Fuel	
30	70025158	1	Manifold	
30	70025109	2	Clamp, Spring	
30	70025115	1	Clamp	
30	70001655	1	Bolt	
30	70025101	2	Clamp	
30	70025148	1	Connector, Plug-in	
31	70005928	1	Elbow, Air Charge	
31	70025122	2	Bolt	
32	70004501	1	Sleeve, Rubber	
32	70025112	2	Clamp	
32	70005926	1	Elbow	
33	70005176	1	O-Ring	
33	70005177	1	Gasket, Charger Air Manifold	
33	70005178	2	Bolt	
33	70005179	9	Bolt	
34	70025210	1	Module, ECU	
35	70029797	1	Pump, Coolant	
35	70025200	1	Ring, Sealing (Pump to Block)	
35	70007325	1	Gasket, Coolant Pump	
36	70025129	4	Bolt	
37	7020492	2	Ring, Sealing	
38	70005929	1	Thermostat	
38	70005184	1	O-Seal (Thermostat to Housing)	
38	70025142	1	Cover, Thermostat	
38	70025124	2	Bolt	
38	70005931	1	O-Seal (Thermostat to Pump)	
39	70004282	1	Manifold, Exhaust (Not Shown)	
39	70025130	8	Bolt, Manifold (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	70025164	1	Gasket, Manifold to Head (Not Shown)	
40	70025179	1	Gasket, Manifold to Elbow	
40	70007354	1	Gasket, Elbow End	
41	70007326	1	Gasket, EGR	
41	70007327	1	Valve, EGR Control	
41	70027428	4	Bolt	
41	70025106	4	Bolt, EGR Module	
41	70025155	2	Plug, EGR	
41	70025696	2	Bolt, EGR Valve Housing	
42	70029557	2	Gasket, Exhaust Pipe	
42	70025098	4	Bolt, Exhaust Pipe	
43	70024912	1	Gasket, Exhaust Manifold (Not Shown)	
43	70025676	4	Bolt, Exhaust Manifold (Not Shown)	
44	70004276	1	Turbocharger	
44	70024509	1	Gasket (Turbocharger to Oil Return Tube Housing)	
44	70025095	2	Bolt, Turbocharger	
44	70006294	1	O-Seal	
45	70024915	1	Starter	
45	70005647	1	Switch, Solenoid	
45	70005648	1	Relay	
45	70025099	2	Starter Bolt	
46	70028699	1	Belt Tensioner	
47	70004277	1	Belt	
48	70025733	1	Pulley, Alternator	
49	70006652	1	Generator	
49	70006653	1	Voltage, Regulator	
49	70029015	1	Fan	
49	70029402	1	Nut, Pulley	
49	70029403	1	Nut	
49	70029404	1	Washer	
50	70025231	1	Harness, Glow Plug	
50	70025233	1	Connector, Plug-in	
50	70000345	4	Glow Plug (Not Shown)	
51	70025226	1	Plug-In Connector	
51	70007086	4	Plug-In Connector	
51	70007087	5	Plug-In Connector	
51	70007088	1	Plug-In Connector	
51	70007089	1	Plug-In Connector	
51	70027440	1	Plug-In Connector	
51	70025221	2	Plug-In Connector	
51	70025327	1	Plug-In Connector	
51	70025216	1	Adapter	
51	70025215	1	Fixing, Bracket	
51	70025134	4	Screw	
51	70025165	1	Retaining Plate	
51	70025228	2	Bracket	
51	70025229	1	Wire Fastener	
51	70025217	4	Clamping Band	
51	70025224	3	Clamping Band	
51	70025225	2	Support, Cable	
51	70027446	1	Clamp, Support	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	70025214	1	Cover, Cap	
52	70025166	1	Angle, Support	
52	70001655	1	Bolt	
52	70025126	6	Bolt	
53	70028540	1	Sender, Temperature (Not Shown)	
54	70028538	1	Sensor, Pressure (Not Shown)	
54	70024920	1	O-Seal	
55	70026210	1	Tacho-Generator (Not Shown)	
55	70005191	1	Ring, Seal	
56	70005179	2	Bolt	
56	70005933	1	Adapter	
56	70005934	1	O-Seal	
56	70024507	1	Sensor, Pressure	
56	70025120	1	O-Seal	
56	70001655	2	Bolt	
57	70024922	1	Sender, Temperature	
57	70025212	1	O-Seal	
58	70025128	1	Bolt	
58	70026210	1	Sensor, Speed	
58	70024917	1	O-Seal	
59	70025192	1	Housing	
59	70025113	2	Straight, Pin	
59	70025108	4	Bolt	
60	70005935	1	Bracket	
60	70005936	4	Bolt	
61	70004504	1	Compensator	
61	70025242	1	Gasket	
62	70005527	1	Clip	
62	70029433	1	Clip	
62	70025788	1	Nut, Clip	
63	70007355	1	Inlet, Muffler	
63	70029517	1	Clip	
63	70029250	1	Gasket, Inlet	
64	70007331	1	Outlet, Muffler	
64	70029517	1	Clip	
64	70029250	1	Gasket, Outlet	
65	70029415	2	Bracket, Muffler	
65	70025098	8	Bolt	

FIGURE 3-16. RADIATOR ASSEMBLY - DUETZ D2.2L3 ENGINE (SN 0300292109 to Present)

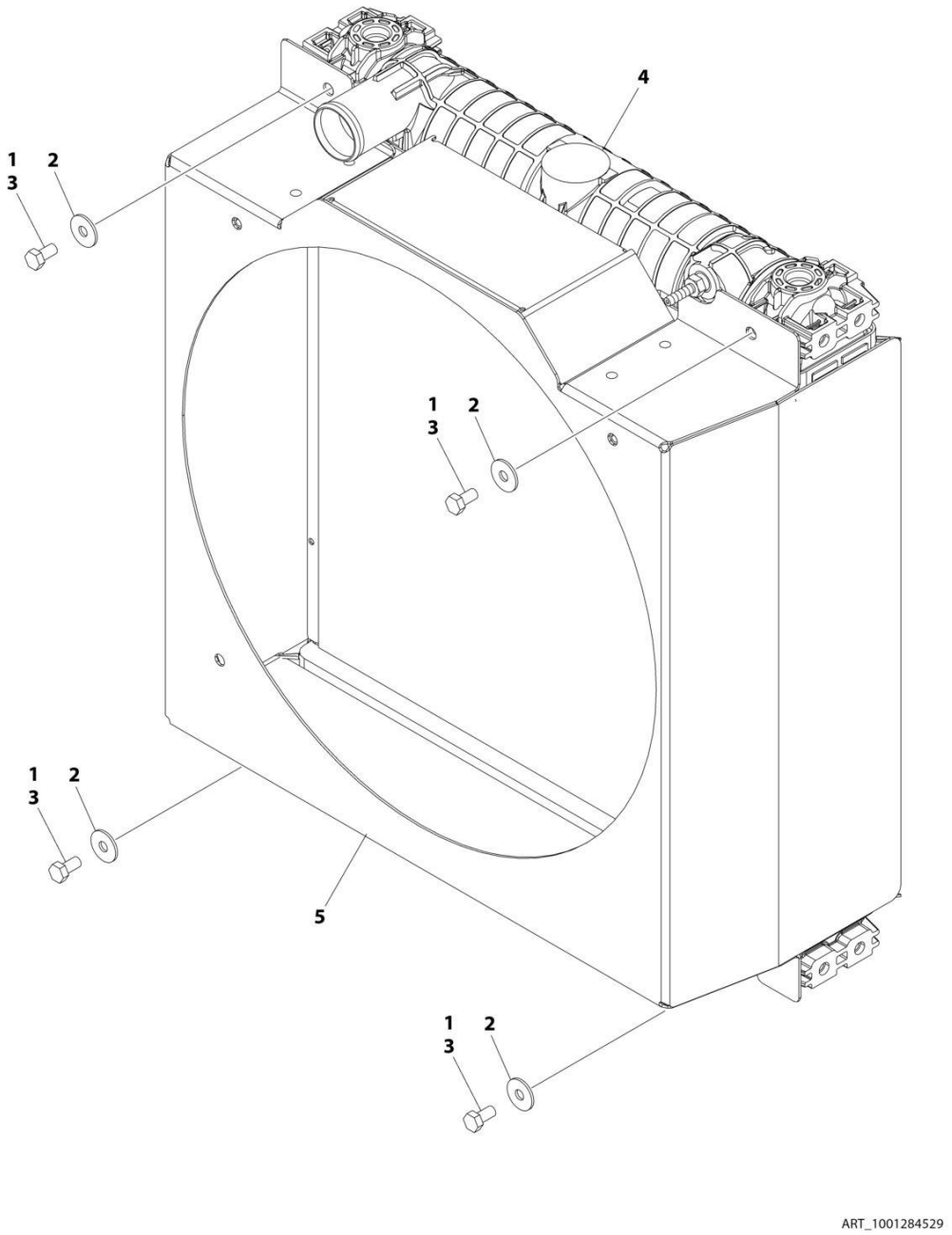


FIGURE 3-16. RADIATOR ASSEMBLY - DUETZ D2.2L3 ENGINE (SN 0300292109 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284529	Ref	RADIATOR ASSEMBLY	A
1	0760808	4	Bolt M8 x 16	
2	4811902	4	Washer M8	
3	1001180620	AR	Compound, Locking	
4	1001203495	1	Radiator	
5	1001281291	1	Shroud	

FIGURE 3-17. PUMP COUPLING KIT (DEUTZ ENGINES)

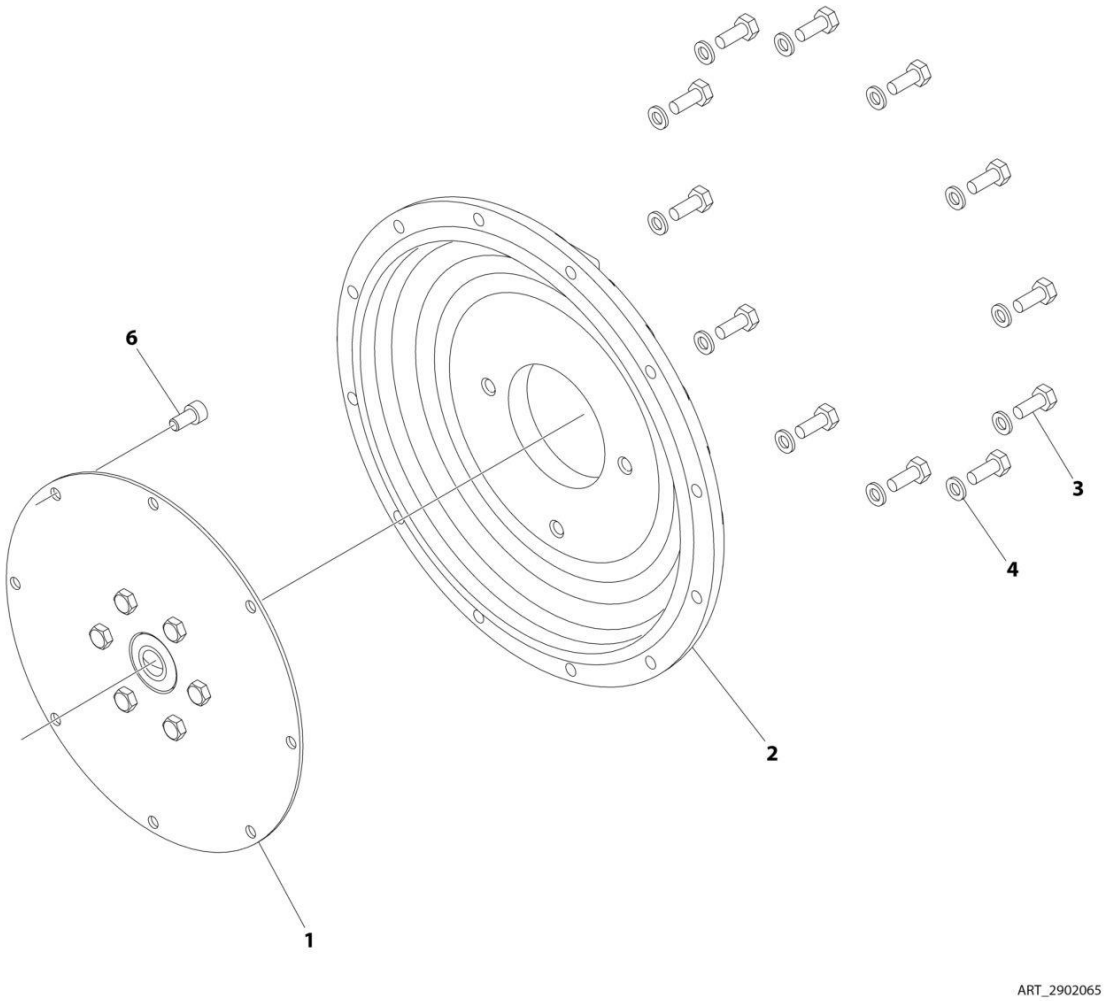


FIGURE 3-17. PUMP COUPLING KIT (DEUTZ ENGINES)

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

FIGURE 3-18. PUMPS ASSEMBLY

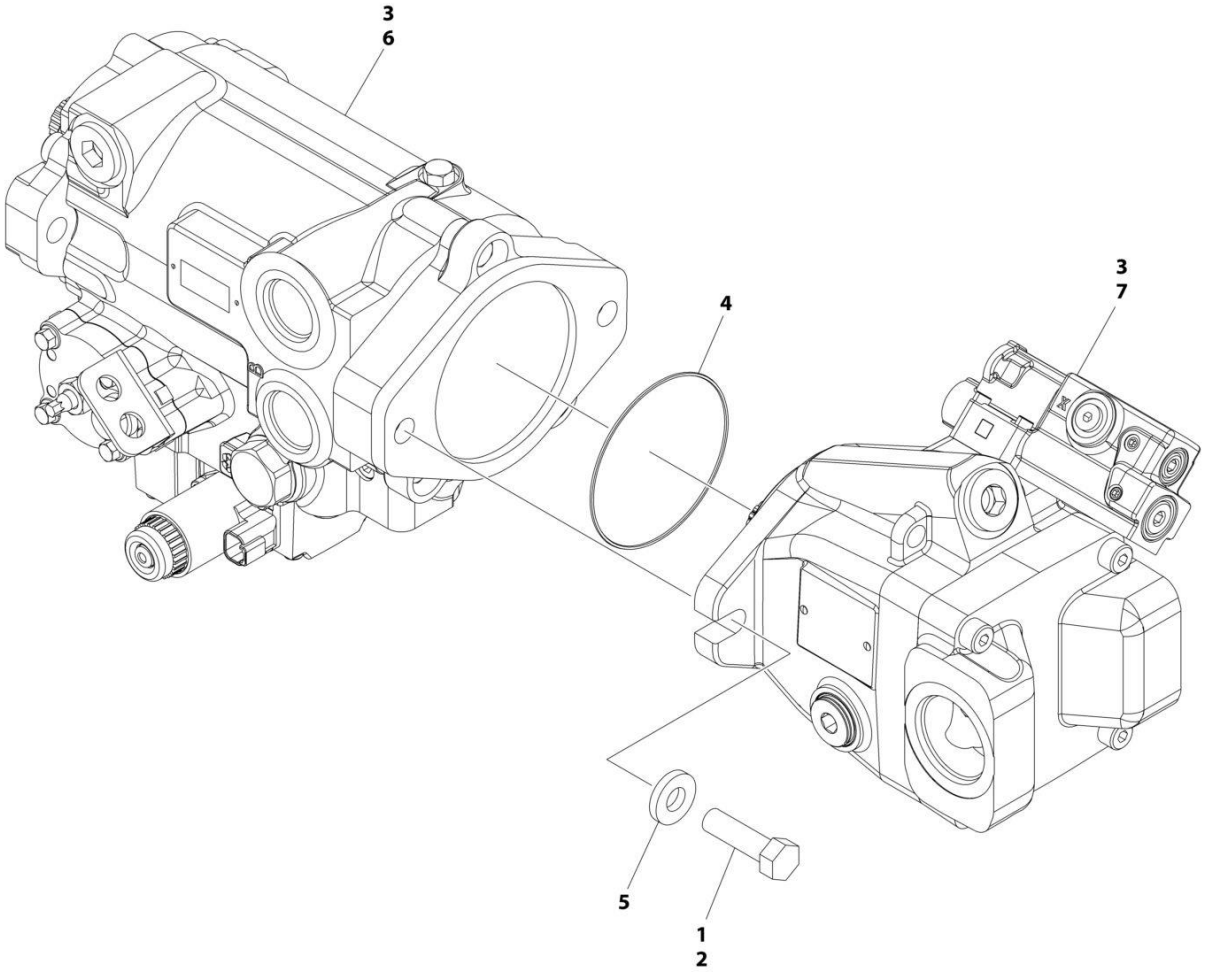


FIGURE 3-18. PUMPS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239601	Ref	PUMPS ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	3020037	AR	Lube, Coupling Grease	
4	3790044	1	O-Ring	
5	4891800	2	Washer 1/2	
6	1001236425	1	Piston Pump Assembly (Note: No service Parts Available)	
7	1001238622	1	Function Pump Assembly (Note: No service Parts Available)	

FIGURE 3-19. FUEL FILTER INSTALLATION (OPTIONAL)

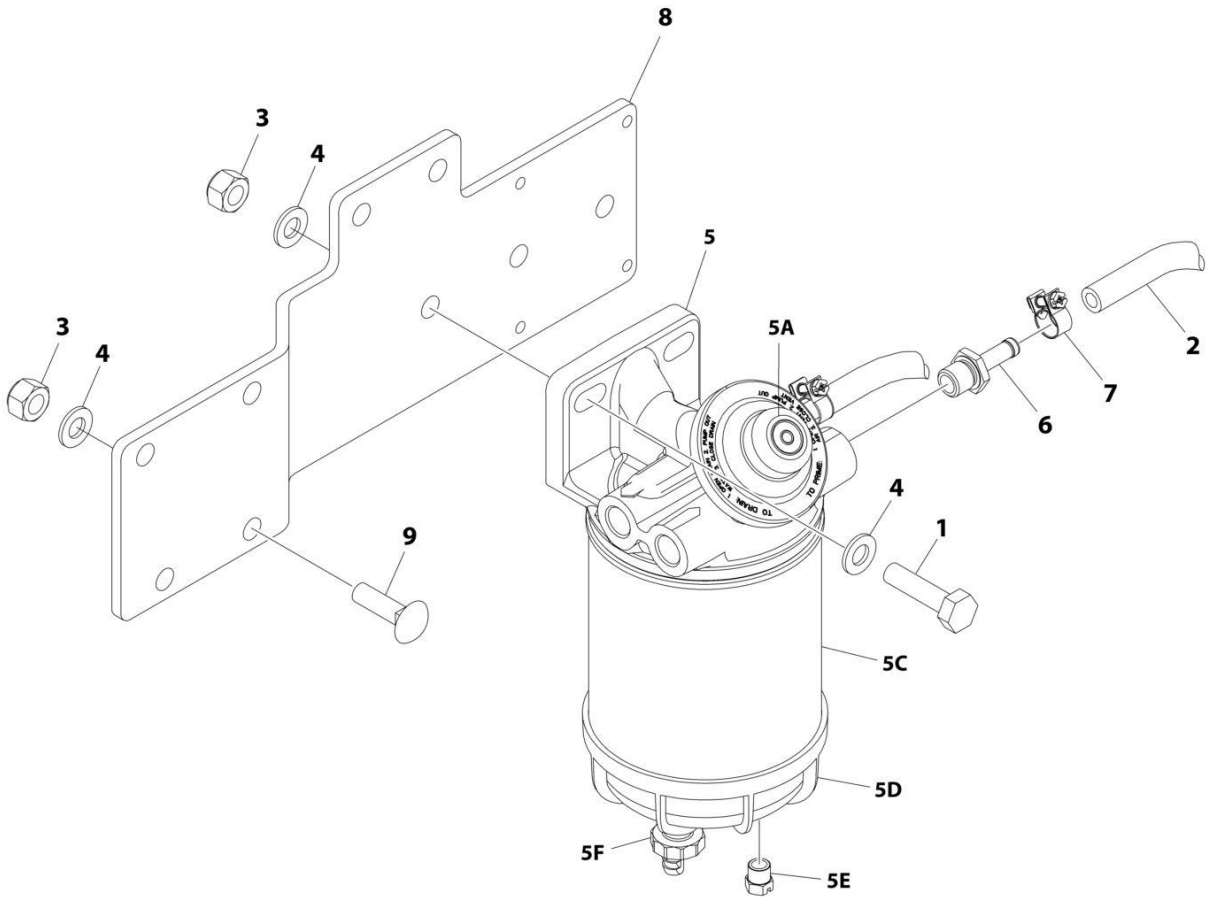
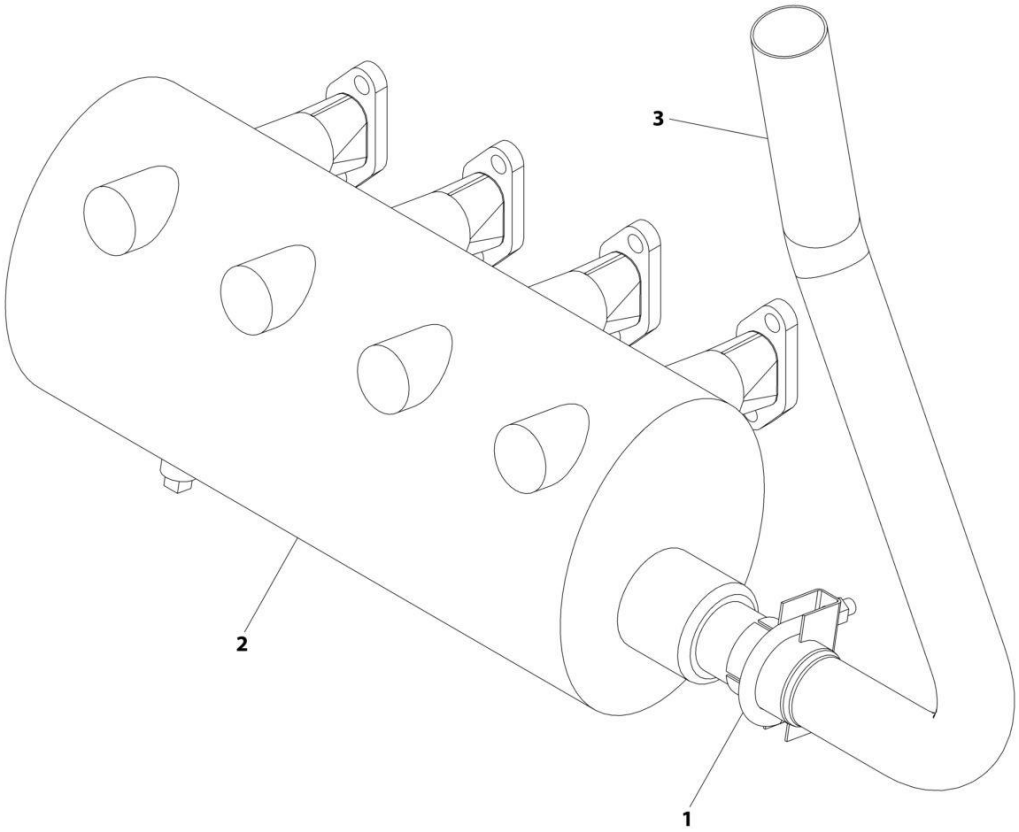


FIGURE 3-19. FUEL FILTER INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224200	Ref	FUEL FILTER INSTALLATION	B
1	0761016	2	Bolt M10 x 40	
2	2720058	46 in/1.2m	Hose, Fuel Line	
3	3291005	4	Nut M10	
4	4812000	6	Washer M10	
5	1001149452	1	Fuel Filter/Water Separator Assembly	
5A	See Note	NSS	Indicator, Restriction (Note: Use p/n 1001149452)	
5B	70004064	1	Bypass Valve Kit (Not Shown)	
5C	70004065	1	Gasket, Head to Element	
5C	70004066	1	Element, Filter	
5D	70004067	1	Gasket Element to Bowl	
5D	70004068	1	Bowl Kit (Includes Bowl, Element and Plug)	
5E	70004069	1	Plug	
5F	70004070	1	Drain	
6	1001149469	2	Fitting, Straight Barbed	
7	1001174486	2	Clamp	
8	1001224967	1	Bracket	
9	1001228406	2	Bolt M10 x 35	

FIGURE 3-20. MUFFLER INSTALLATION - SPARK ARRESTING (DEUTZ D2011 ENGINES)



ART_1001192284

FIGURE 3-20. MUFFLER INSTALLATION - SPARK ARRESTING (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192284	Ref	MUFFLER INSTALLATION	B
1	1320176	1	Clamp	
2	1001191156	1	Muffler, Spark Arresting	
3	1001195763	1	Pipe, Exhaust	

FIGURE 3-21. EXHAUST PIPE INSTALLATION - (DEUTZ D2011 ENGINES)

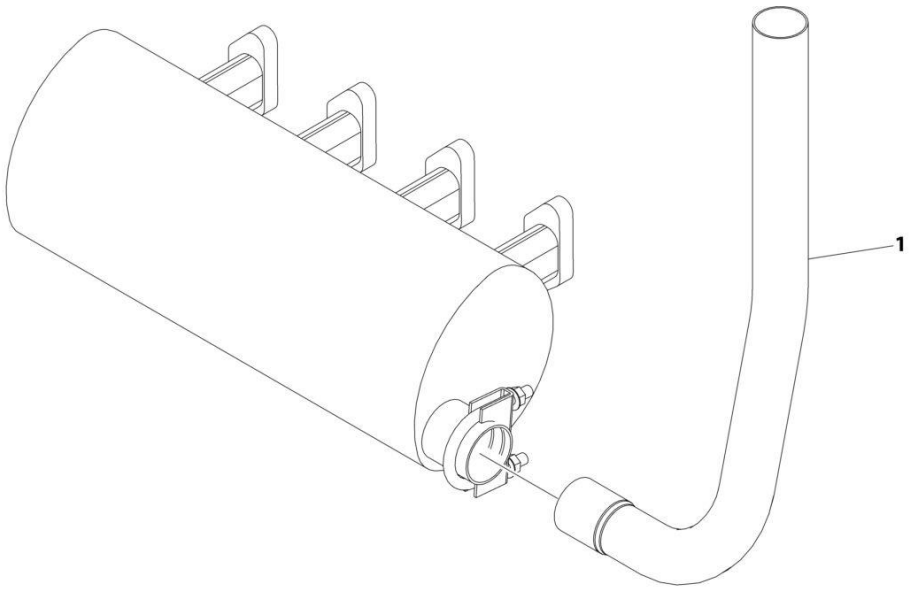


FIGURE 3-21. EXHAUST PIPE INSTALLATION - (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239563	Ref	MUFFLER INSTALLATION	A
1	1001191273	1	Pipe, Exhaust	

FIGURE 3-22. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ D2011 ENGINES)

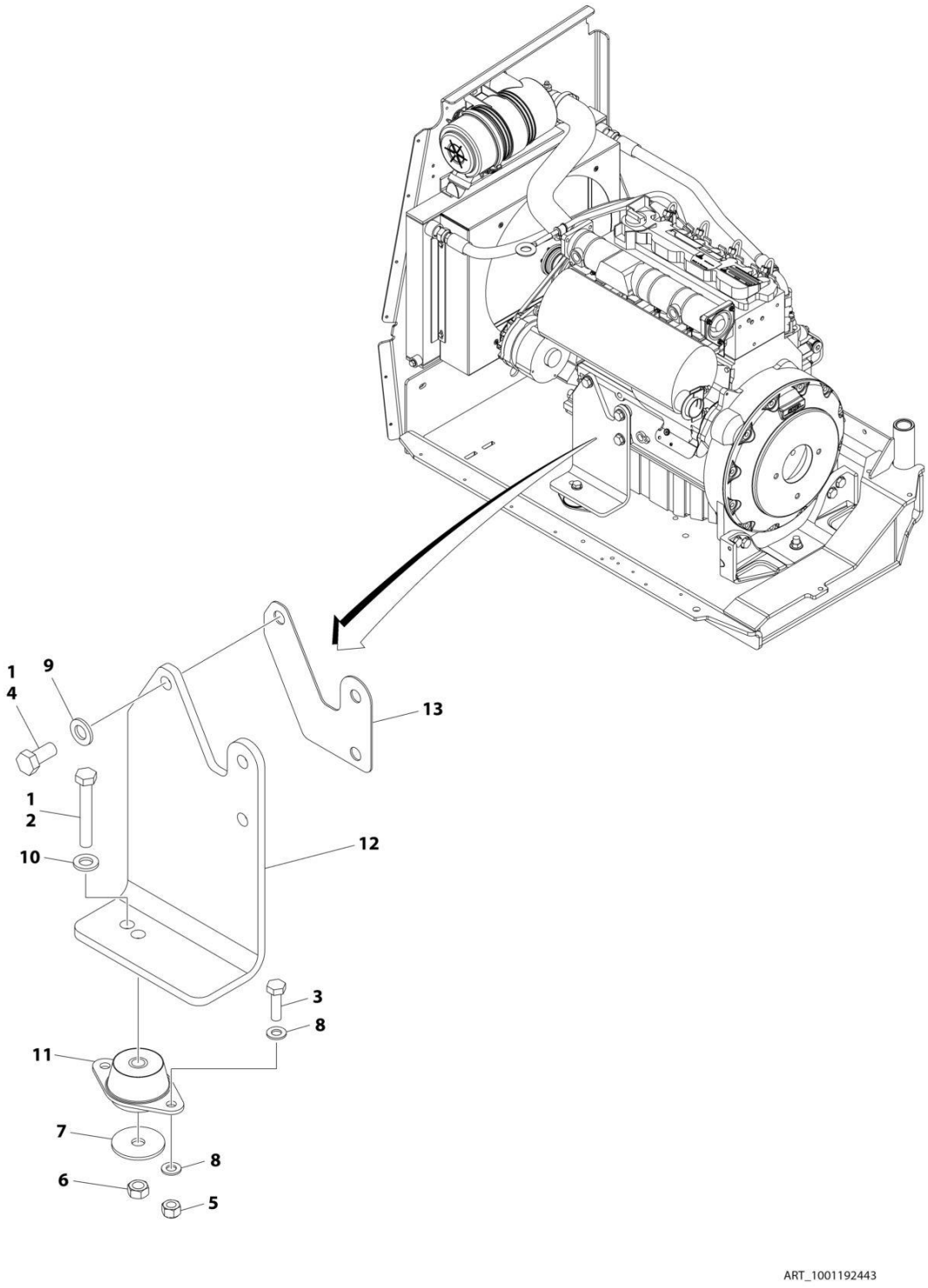


FIGURE 3-22. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192443	Ref	MOTOR MOUNT INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0761015	2	Bolt M10 x 35	
4	0771414	3	Bolt M14 x 30	
5	3291005	2	Nut M10	
6	3331211	1	Nut M12	
7	1001168018	1	Washer	
8	4812000	4	Washer M10	
9	5241400	3	Washer M14	
10	5241200	1	Washer M12	
11	1001191610	1	Mount, Motor	
12	1001189227	1	Mount	
13	1001201843	1	Shim	

FIGURE 3-23. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)

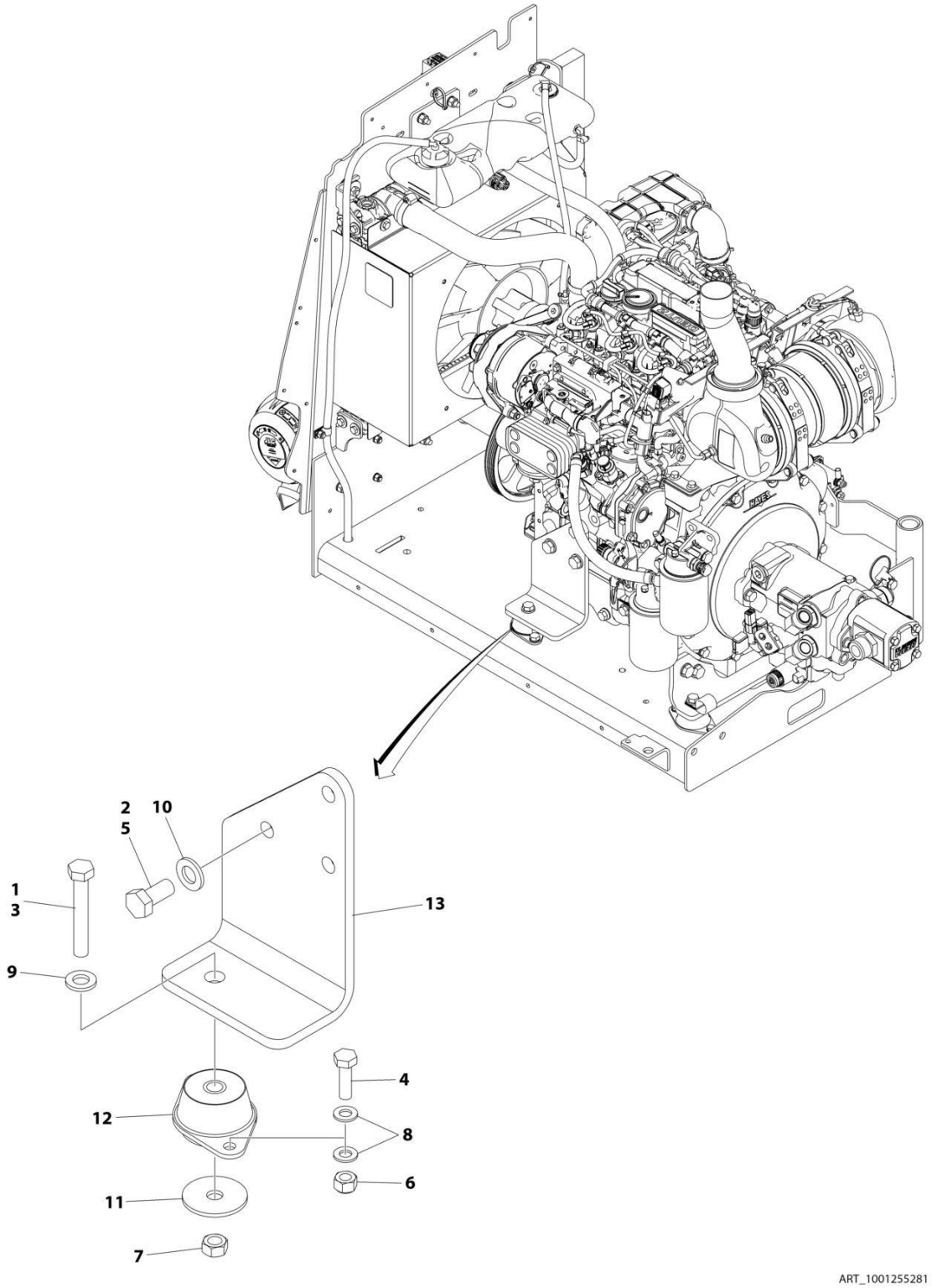


FIGURE 3-23. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255281	Ref	MOTOR MOUNT INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0711224	1	Bolt M12 x 80	
4	0761015	2	Bolt M10 x 35	
5	0771414	3	Bolt M14 x 30	
6	3291005	2	Nut M10	
7	3331211	1	Nut M12	
8	4812000	4	Washer M10	
9	5241200	1	Washer M12	
10	5241400	3	Washer M14	
11	1001168018	1	Washer	
12	1001166718	1	Mount, Motor	
13	1001254423	1	Mount	

FIGURE 3-24. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)

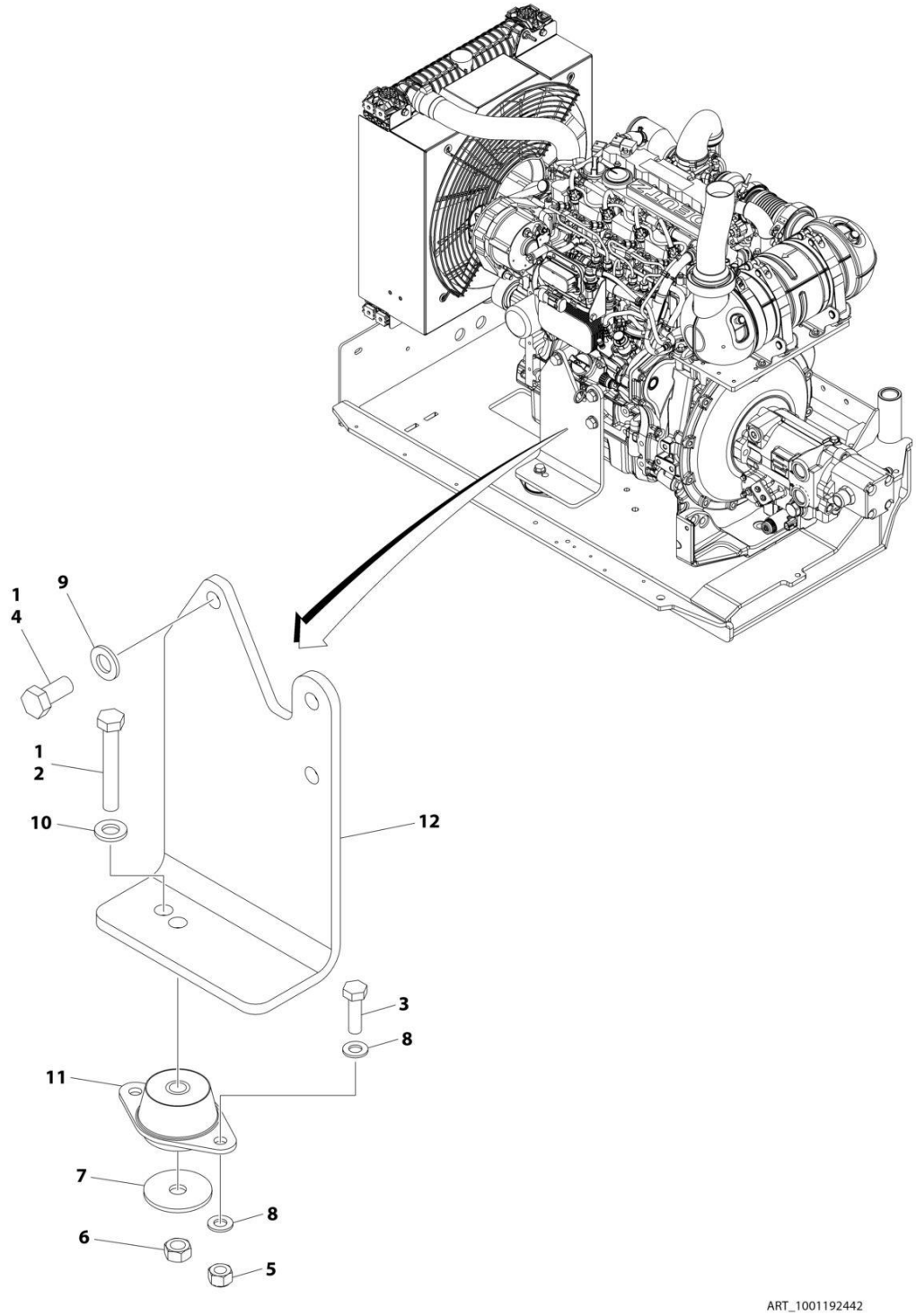


FIGURE 3-24. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192442	Ref	MOTOR MOUNT INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0761015	2	Bolt M10 x 35	
4	0771414	3	Bolt M14 x 30	
5	3291005	2	Nut M10	
6	3331211	1	Nut M12	
7	1001168018	1	Washer	
8	4812000	4	Washer M10	
9	5241400	3	Washer M14	
10	5241200	1	Washer M12	
11	1001191610	1	Mount, Motor	
12	1001189227	1	Mount	

FIGURE 3-25. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ D2011 ENGINES)

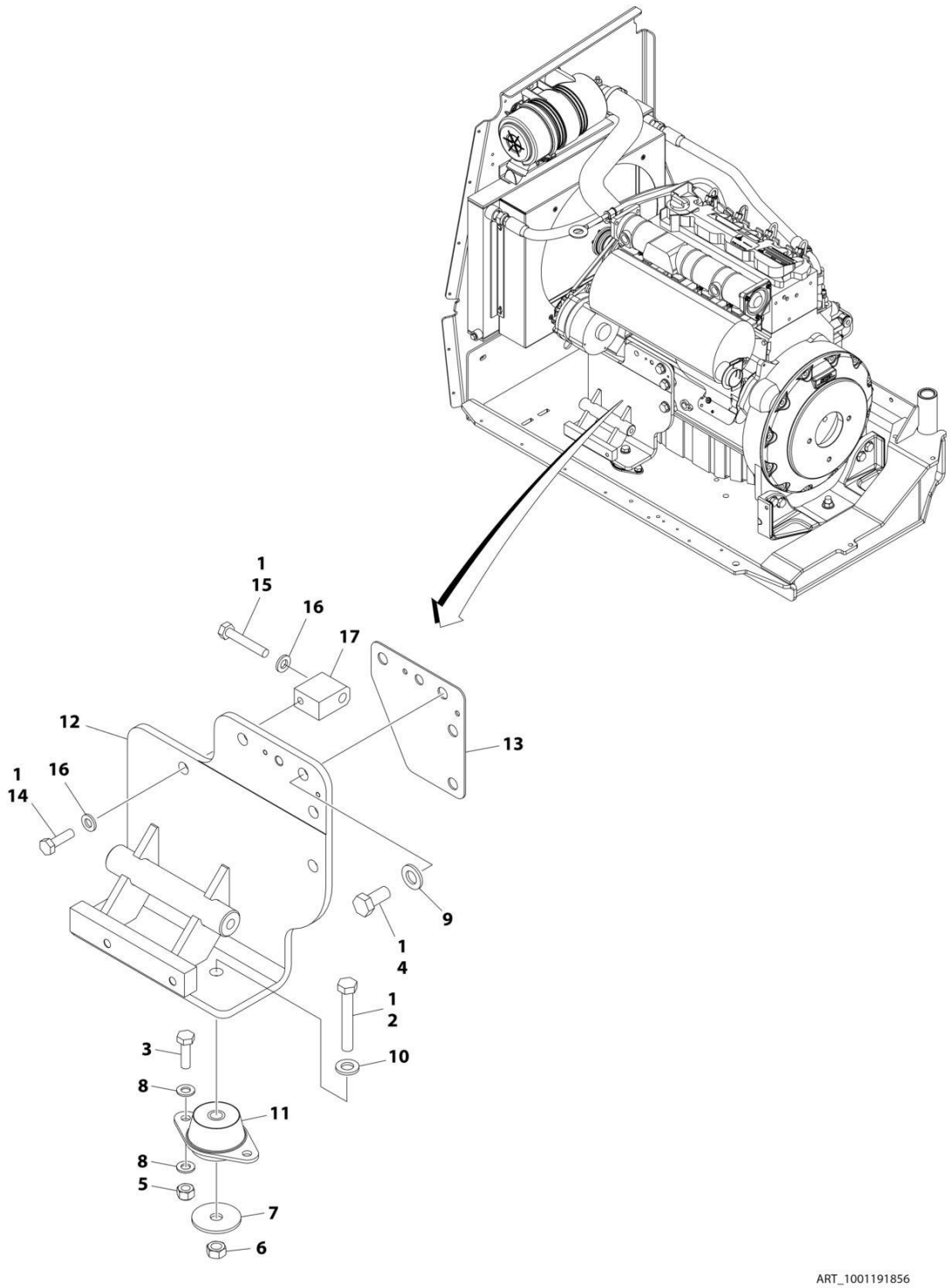


FIGURE 3-25. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191856	Ref	MOTOR MOUNT INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0761015	2	Bolt M10 x 35	
4	0771415	3	Bolt M14 x 35	
5	3291005	2	Nut M10	
6	3331211	1	Nut M12	
7	1001168018	1	Washer	
8	4812000	4	Washer M10	
9	5241400	3	Washer M14	
10	5241200	1	Washer M12	
11	1001191610	1	Mount, Engine	
12	1001239710	1	Bracket	
13	1001205957	1	Shim	
14	0711015	1	Bolt M10 x 35	
15	0711020	1	Bolt M10 x 60	
16	5241000	2	Washer M10	
17	1001239715	1	Block	

FIGURE 3-26. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)

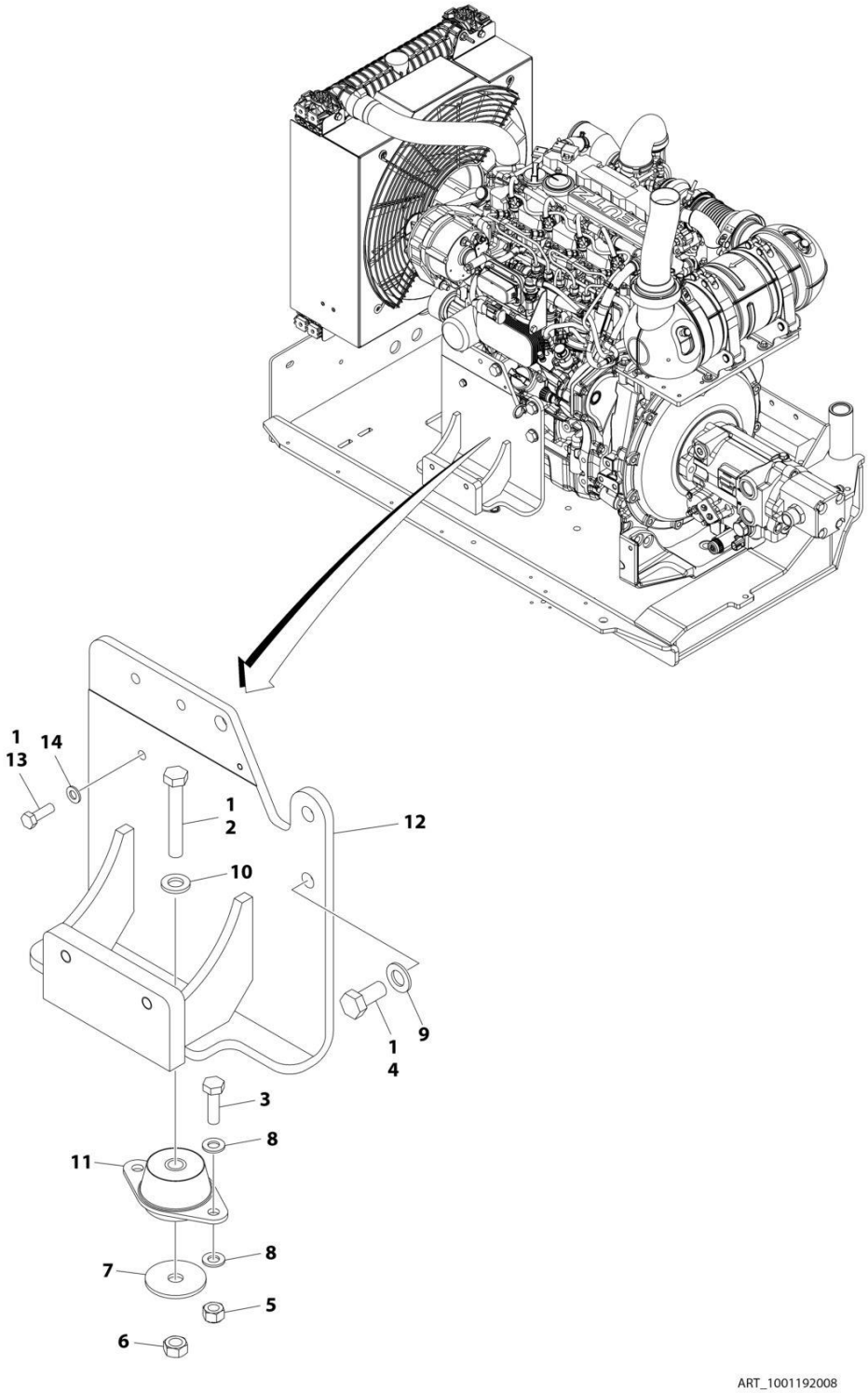


FIGURE 3-26. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192008	Ref	MOTOR MOUNT INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0761015	2	Bolt M10 x 35	
4	0771415	3	Bolt M14 x 35	
5	3291005	2	Nut M10	
6	3331211	1	Nut M12	
7	1001168018	1	Washer	
8	4812000	4	Washer M10	
9	5241400	3	Washer M14	
10	5241200	1	Washer M12	
11	1001191610	1	Mount, Motor	
12	1001209016	1	Mount	
13	0770814	1	Bolt M8 x 30	
14	5240800	1	Washer M8	

FIGURE 3-27. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)

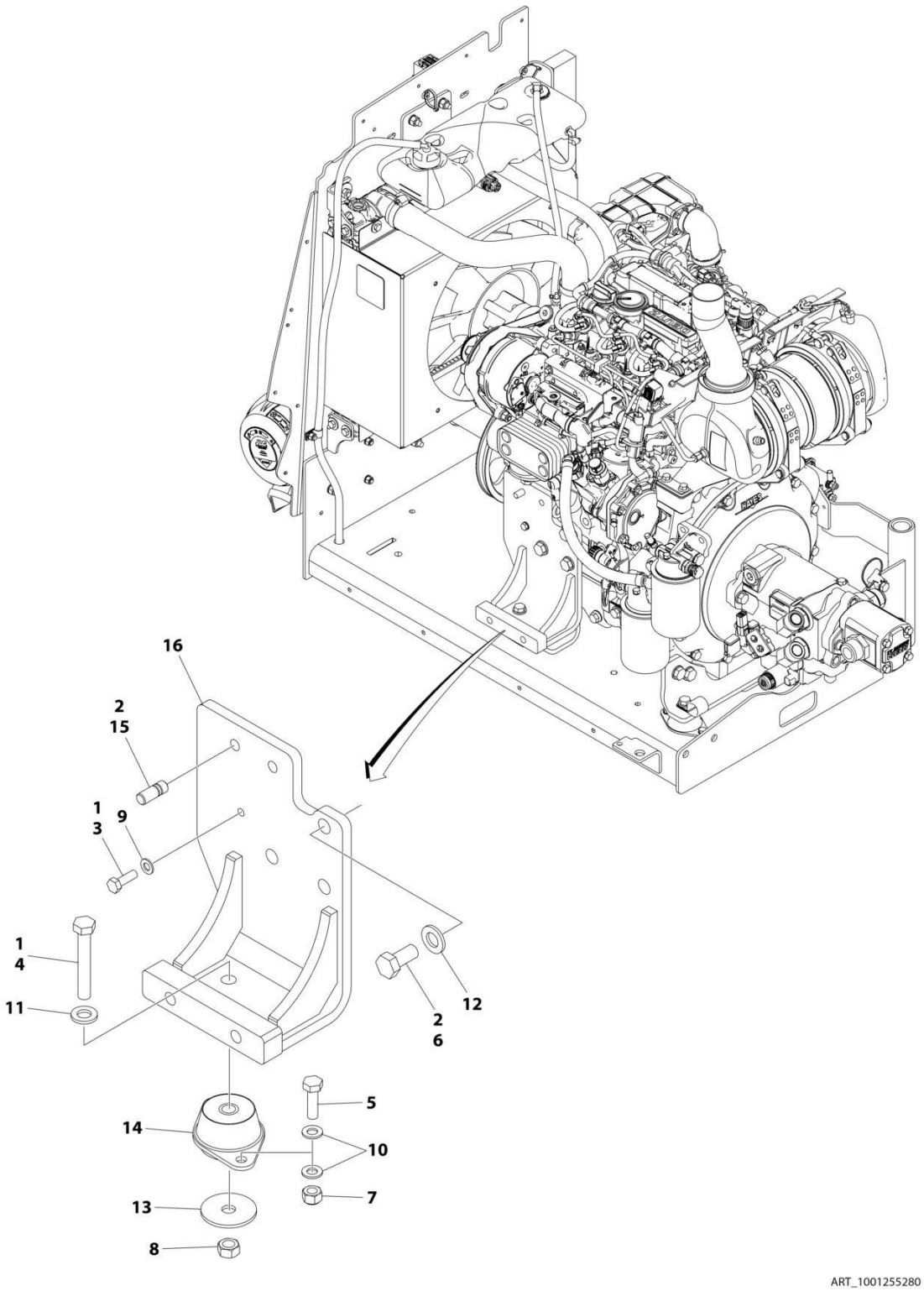


FIGURE 3-27. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255280	Ref	MOTOR MOUNT INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0700812	1	Bolt M8 x 25	
4	0711224	1	Bolt M12 x 80	
5	0761015	2	Bolt M10 x 35	
6	0771414	3	Bolt M14 x 30	
7	3291005	2	Nut M10	
8	3331211	1	Nut M12	
9	4811900	1	Washer M8	
10	4812000	4	Washer M10	
11	5241200	1	Washer M12	
12	5241400	1	Washer M14	
13	1001168018	1	Washer	
14	1001166718	1	Mount, Motor	
15	1001196382	1	Stud	
16	1001254899	1	Mount	

FIGURE 3-28. BREATHER HEATER INSTALLATION - DEUTZ TD2.9L4 & TD2.3L3 ENGINES) (OPTIONAL)

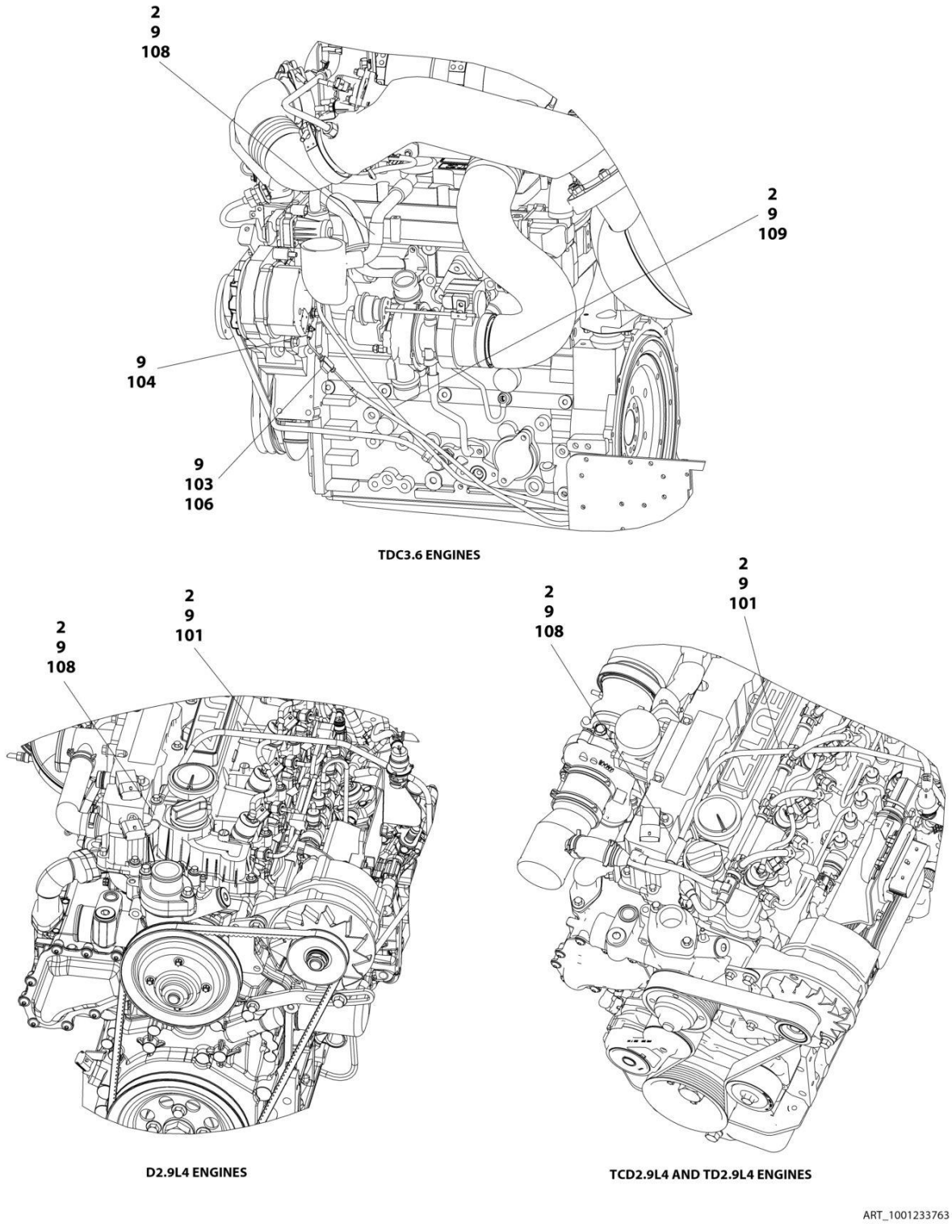


FIGURE 3-28. BREATHER HEATER INSTALLATION - DEUTZ TD2.9L4 & TD2.3L3 ENGINES) (OPTIONAL)

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 3-29. TRAY JACK INSTALLATION (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)

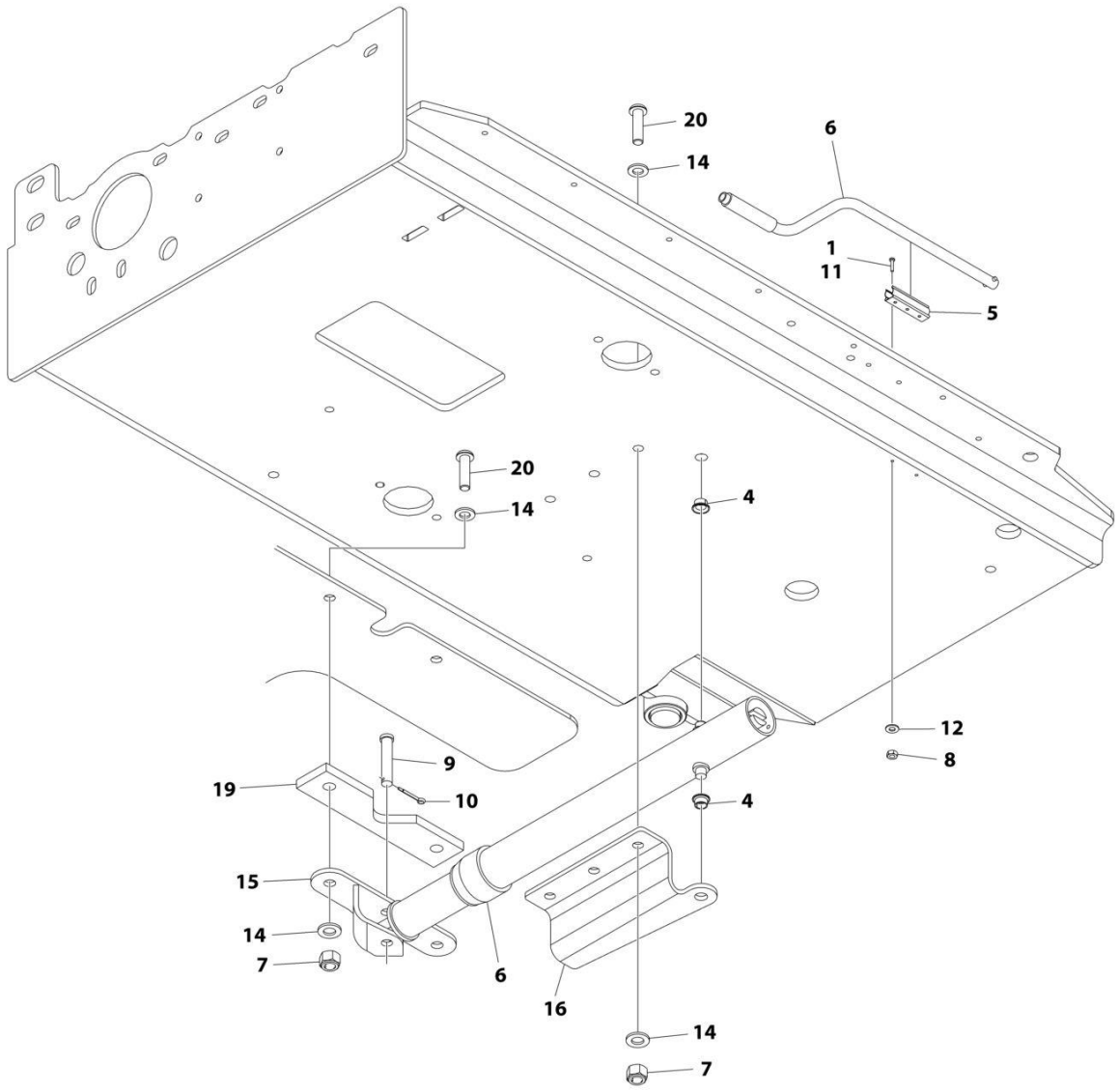


FIGURE 3-29. TRAY JACK INSTALLATION (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186980	Ref	TRAY JACK INSTALLATION	E
1	0100011	AR	Compound, Locking	
4	0962051	2	Bearing	
5	1380147	1	Clip	
6	2840016	1	Jack and Handle Assembly	
6	7024598	1	Handle	
7	3291205	5	Nut M12	
8	3290301	2	Nut M3	
9	3430820	1	Pin	
10	1001236121	1	Pin	
11	4010308	2	Screw M3 x 16	
12	4811400	2	Washer M4	
14	4812100	10	Washer M12	
15	1001166894	1	Support	
16	1001175073	1	Support	
19	1001186981	1	Plate	
20	1001102978	5	Screw M12 x 45 Grade 10.9	

FIGURE 3-30. TRAY JACK INSTALLATION (DEUTZ TD2.2.L3 ENGINES)

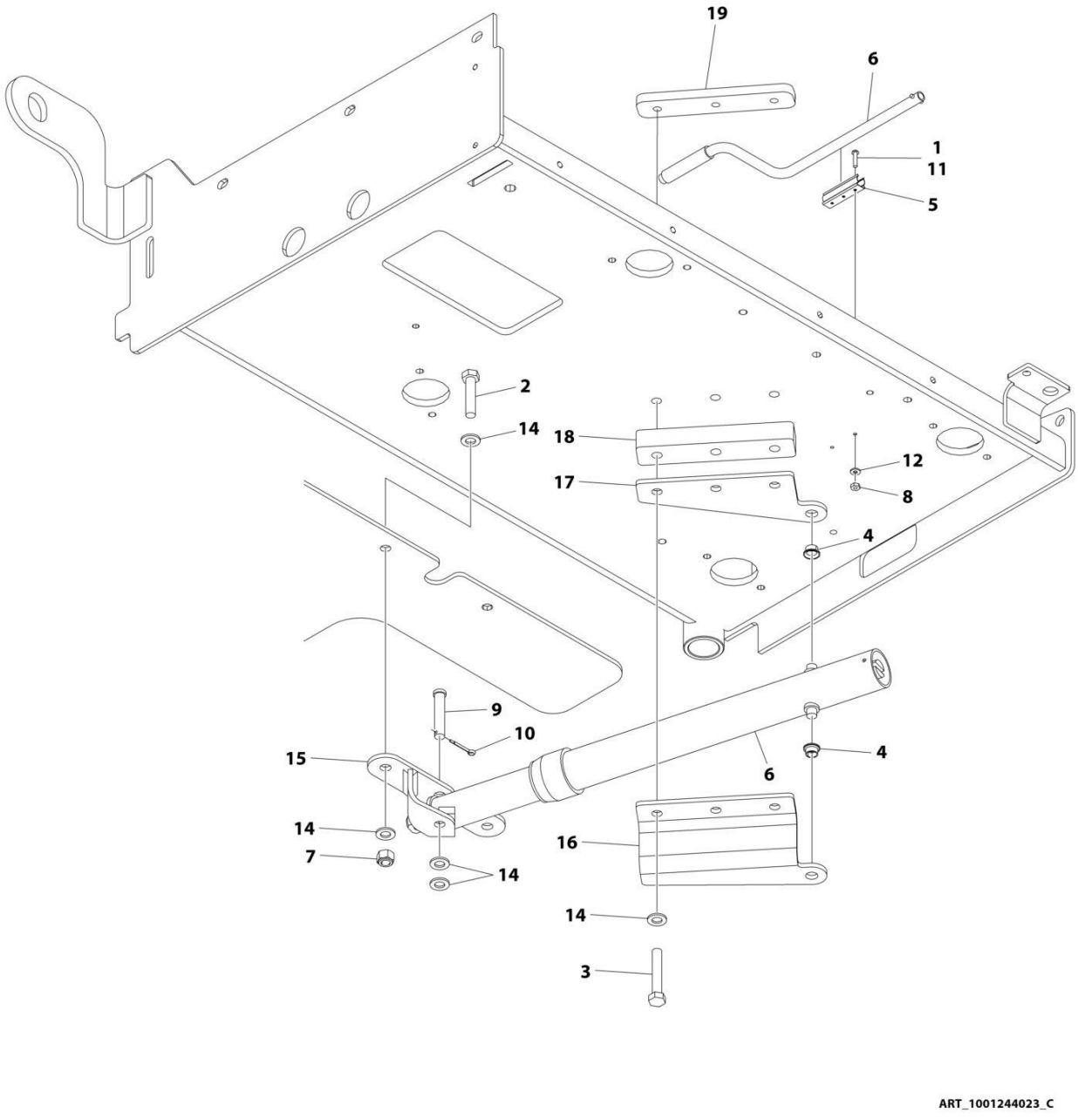


FIGURE 3-30. TRAY JACK INSTALLATION (DEUTZ TD2.2.L3 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244023	Ref	TRAY JACK INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	1001102978	2	Bolt M12 x 45	
3	0701222	3	Bolt M12 x 70	
4	0962051	2	Bearing	
5	1380147	1	Clip	
6	2840016	1	Jack and Handle Assembly	
6	7024598	1	Handle	
7	3291205	2	Nut M12	
8	3290301	2	Nut M3	
9	3430820	1	Pin	
10	1001236121	1	Pin	
11	4010308	2	Screw M3 x 16	
12	4811400	1	Washer M4	
14	4812100	9	Washer M12	
15	1001166894	1	Support	
16	1001175073	1	Support	
17	1001175074	1	Support	
18	1001244025	1	Shim	
19	1001254719	1	Plate, Nut	

FIGURE 3-31. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)

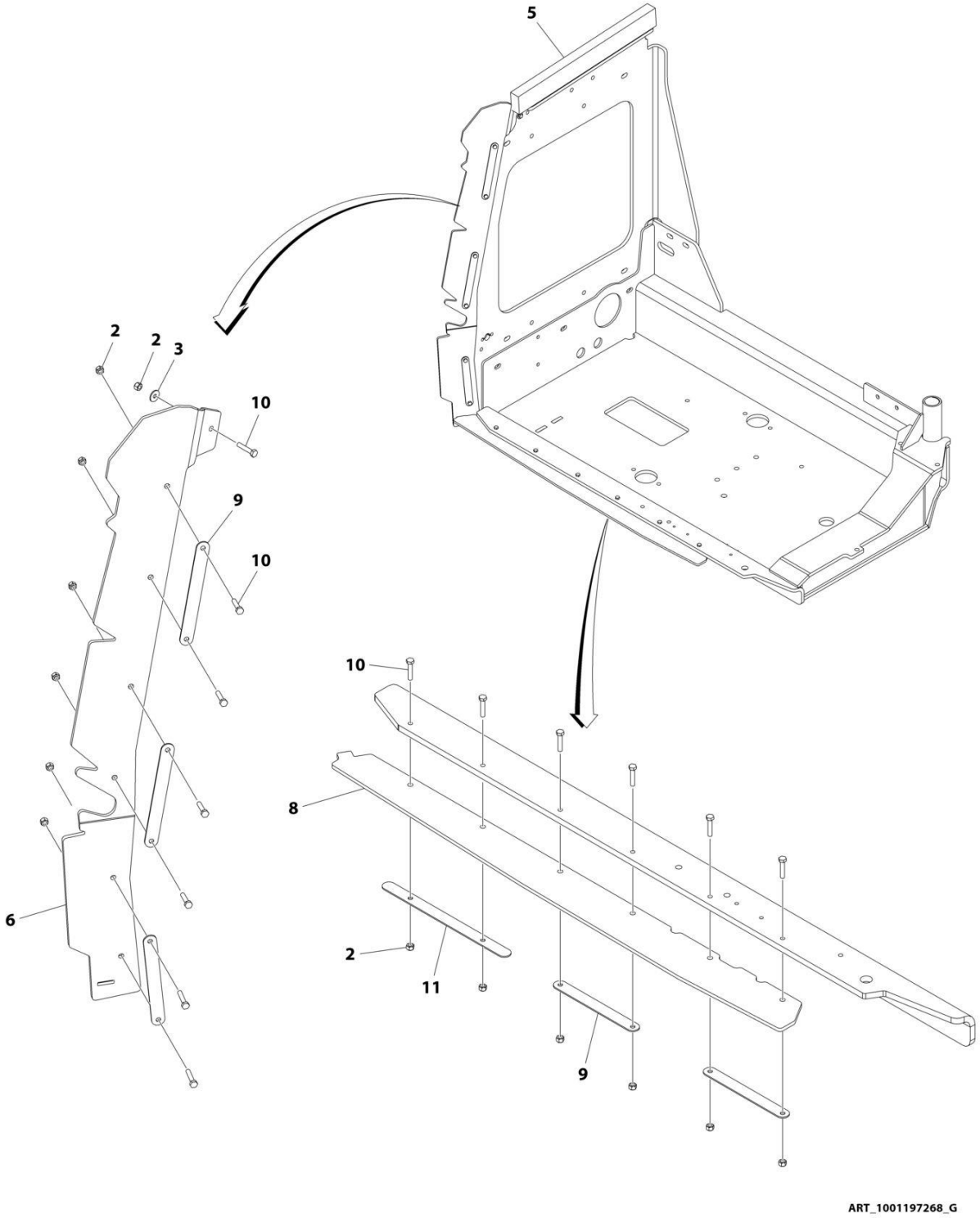


FIGURE 3-31. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197268	Ref	ENGINE HOOD BAFFLES INSTALLATION	G
2	3290605	13	Nut M6	
3	4811702	8	Washer M6	
5	1001197389	1	Seal	
6	1001234370	1	Seal	
8	1001234371	1	Seal	
9	1001167164	5	Support	
10	0760614	13	Bolt M6 x 30	
11	1001233429	1	Support	

FIGURE 3-32. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2.2L3 STAGE V ENGINES)

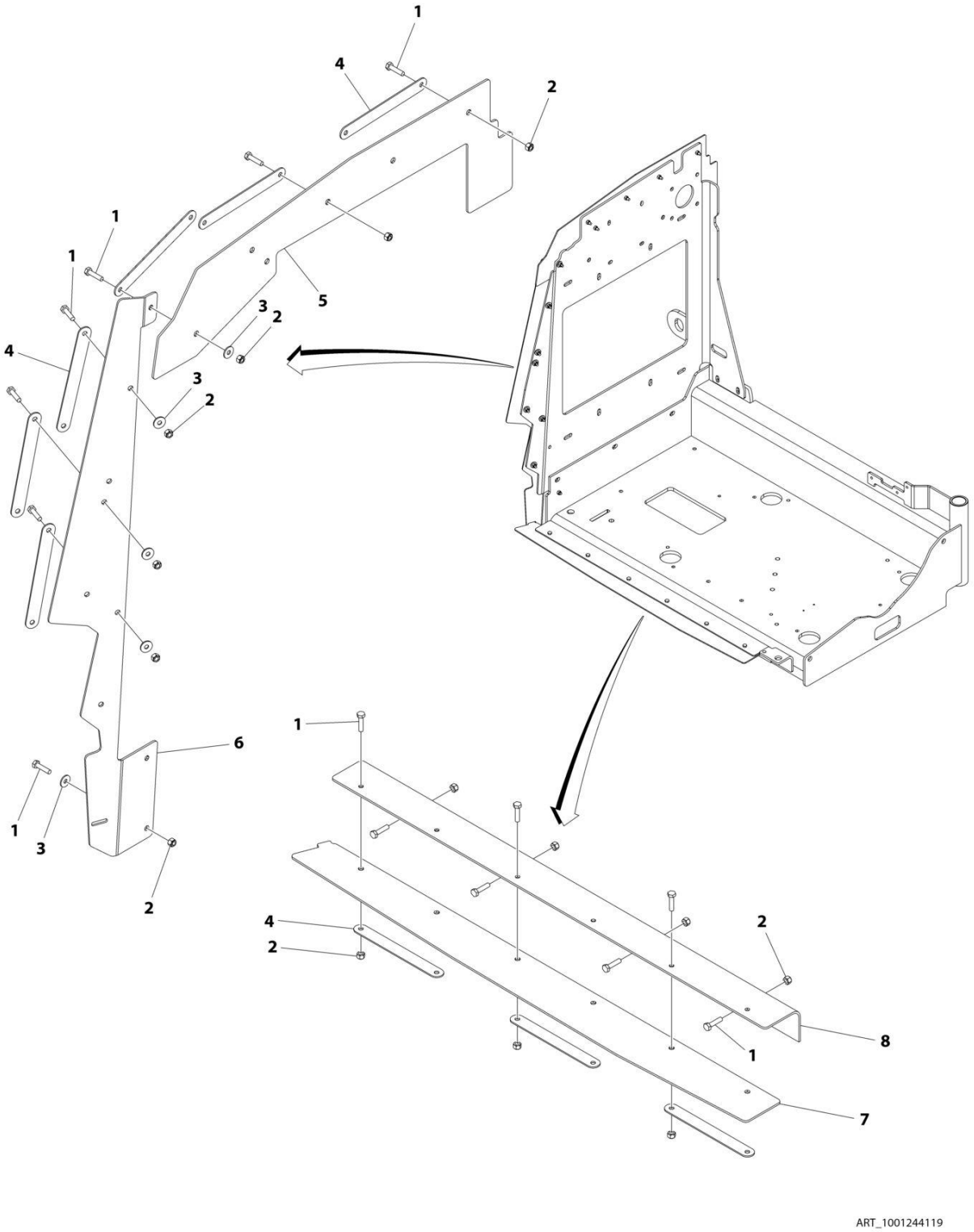


FIGURE 3-32. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2.2L3 STAGE V ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244119	Ref	ENGINE HOOD BAFFLES INSTALLATION	B
1	0760612	24	Bolt M6 x 25	
2	3290605	24	Nut M6	
3	4811702	30	Washer M6	
4	1001167164	9	Support	
5	1001244120	1	Seal	
6	1001244121	1	Seal	
7	1001244122	1	Seal	
8	1001244123	1	Plate	

FIGURE 3-33. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)

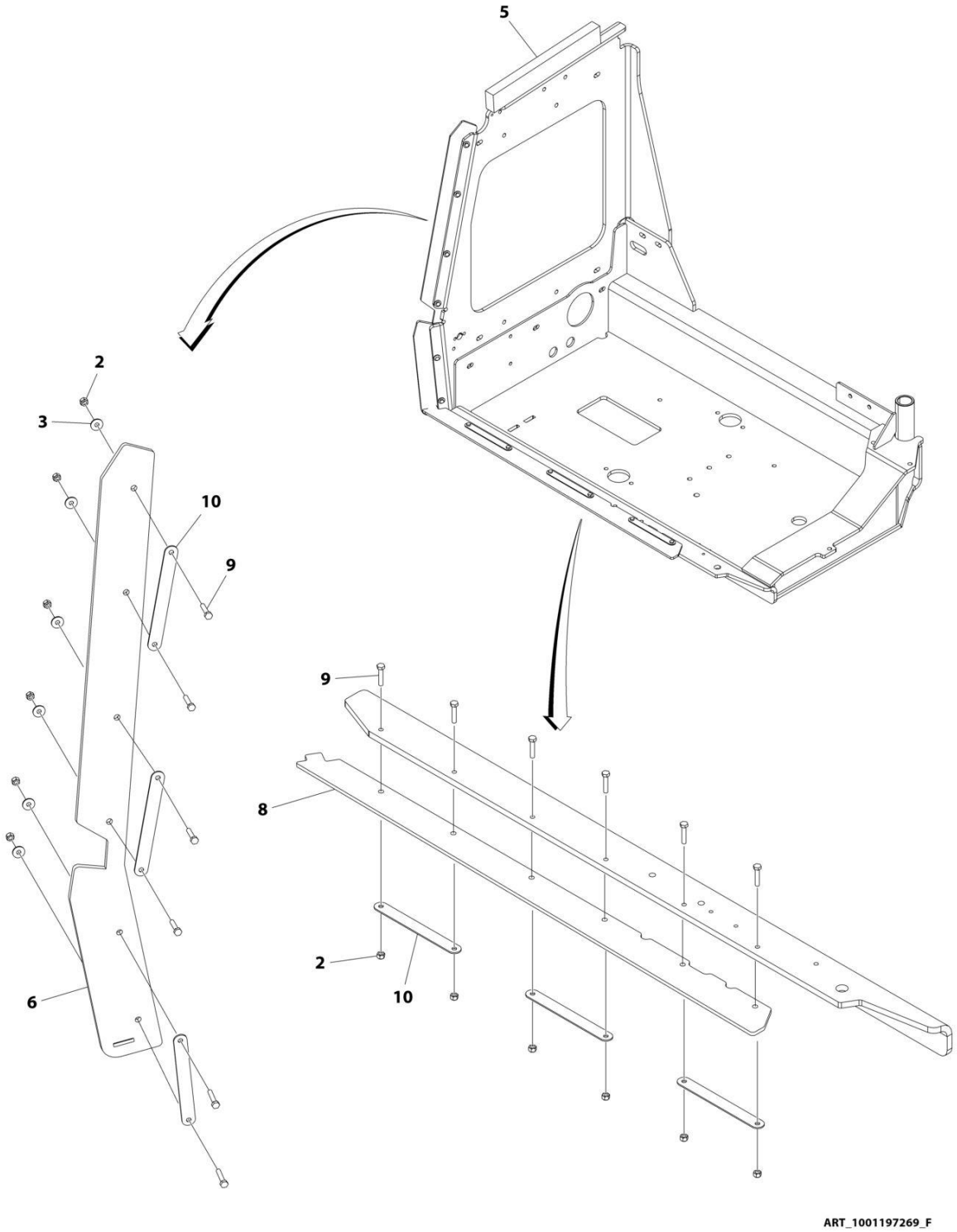


FIGURE 3-33. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197269	Ref	ENGINE HOOD BAFFLES INSTALLATION	F
2	3290605	AR	Nut M6	
3	4811702	AR	Washer M6	
5	1001234281	1	Seal	
6	1001234299	1	Seal	
8	1001234283	1	Seal	
9	0760614	AR	Bolt M6 x 30	
10	1001167164	6	Support	

FIGURE 3-34. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2.2L3 STAGE V ENGINES)

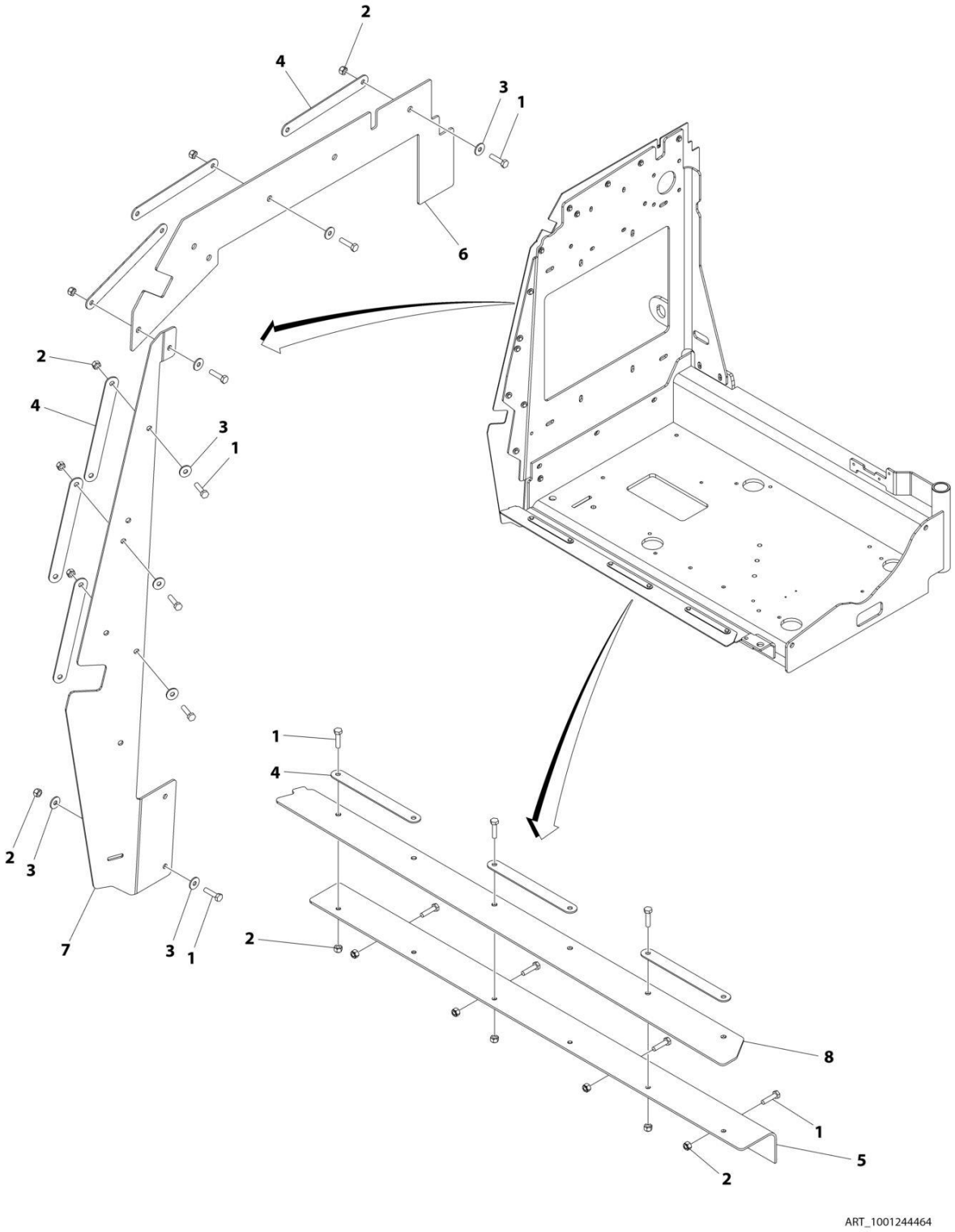


FIGURE 3-34. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2.2L3 STAGE V ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244464	Ref	ENGINE HOOD BAFFLES INSTALLATION	B
1	0760612	24	Bolt M6 x 25	
2	3290605	24	Nut M6	
3	4811702	30	Washer M6	
4	1001167164	9	Support	
5	1001244123	1	Plate	
6	1001244468	1	Seal	
7	1001244469	1	Seal	
8	1001244470	1	Seal	

FIGURE 3-35. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

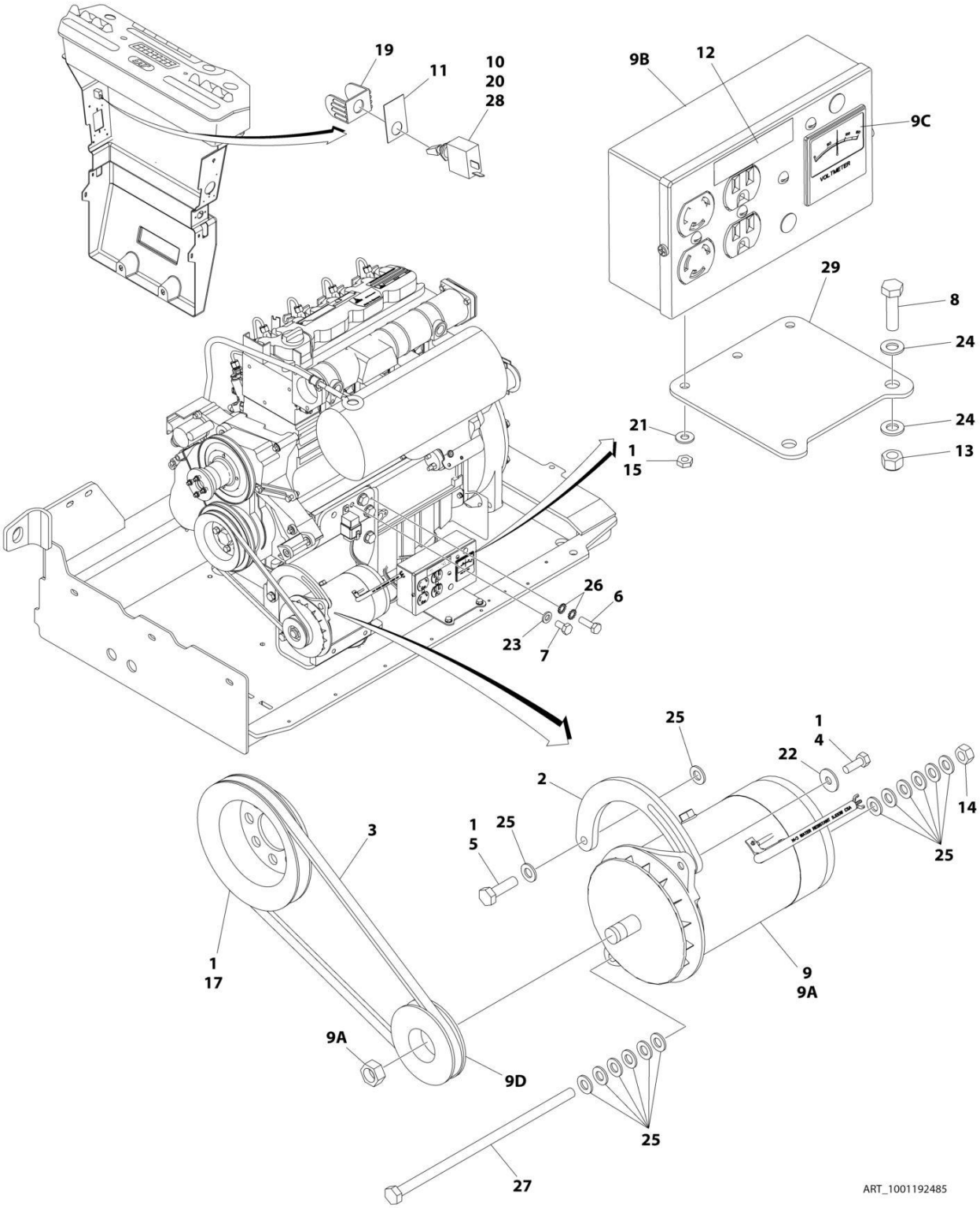


FIGURE 3-35. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192485	Ref	2500W GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	1001239716	1	Arm, Adjusting	
3	0480124	1	Belt	
4	0641508	1	Bolt 5/16 x 1	
5	0761012	1	Bolt M10 x 25	
6	0700610	1	Bolt M6 x 20	
7	0760606	1	Bolt M6 x 12	
8	0760814	2	Bolt M8 x 30	
9	2460055	1	Generator and Control Box Assembly	
9A	7012558	1	Generator, Replacement	
9A		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.	
9A	7012513	4	Cap, Brush Holder	
9A	7020108	4	Brush	
9A	7020109	4	Holder, Brush	
9A	7012514	1	Fan	
9A	7020190	2	Bearing	
9A	7020110	1	Bell, Front	
9A	7020111	1	Bell, Rear	
9B	7019680	1	Box, Control	
9B	4360542	1	Breaker, Circuit	
9B	4460190	AR	Receptacle, Standard	
9B	4460027	AR	Receptacle, Twistlock	
9C	2420203	1	Voltmeter	
9D	3580276	1	Pulley	
9D	7027887	1	Key, Woodruff	
10	2820031	AR	Heat Shrink	
11	3251102	1	Nameplate - Generator On/Off	
12	3251243	1	Decal - 120V-60Hz	
13	3290805	2	Nut M8	
14	3291007	1	Nut M10	
15	3311001	2	Nut #10	
17	3580158	1	Pulley	
19	4060802	1	Guard, Switch	
20	4360336	1	Switch, Toggle	
21	4751000	1	Washer #10	
22	4811902	1	Washer M8	
23	4811700	1	Washer M6	
24	4811900	4	Washer M8	
25	4812000	14	Washer M10	
26	4871700	2	Washer M6	
27	1001119280	1	Bolt M10 x 260	
28	4922641	1	Generator Switch Harness	
29	1001193167	1	Plate, Mounting	
30	1001194114	1	Generator Harness - 2500W (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-36. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES) (OPTIONAL)

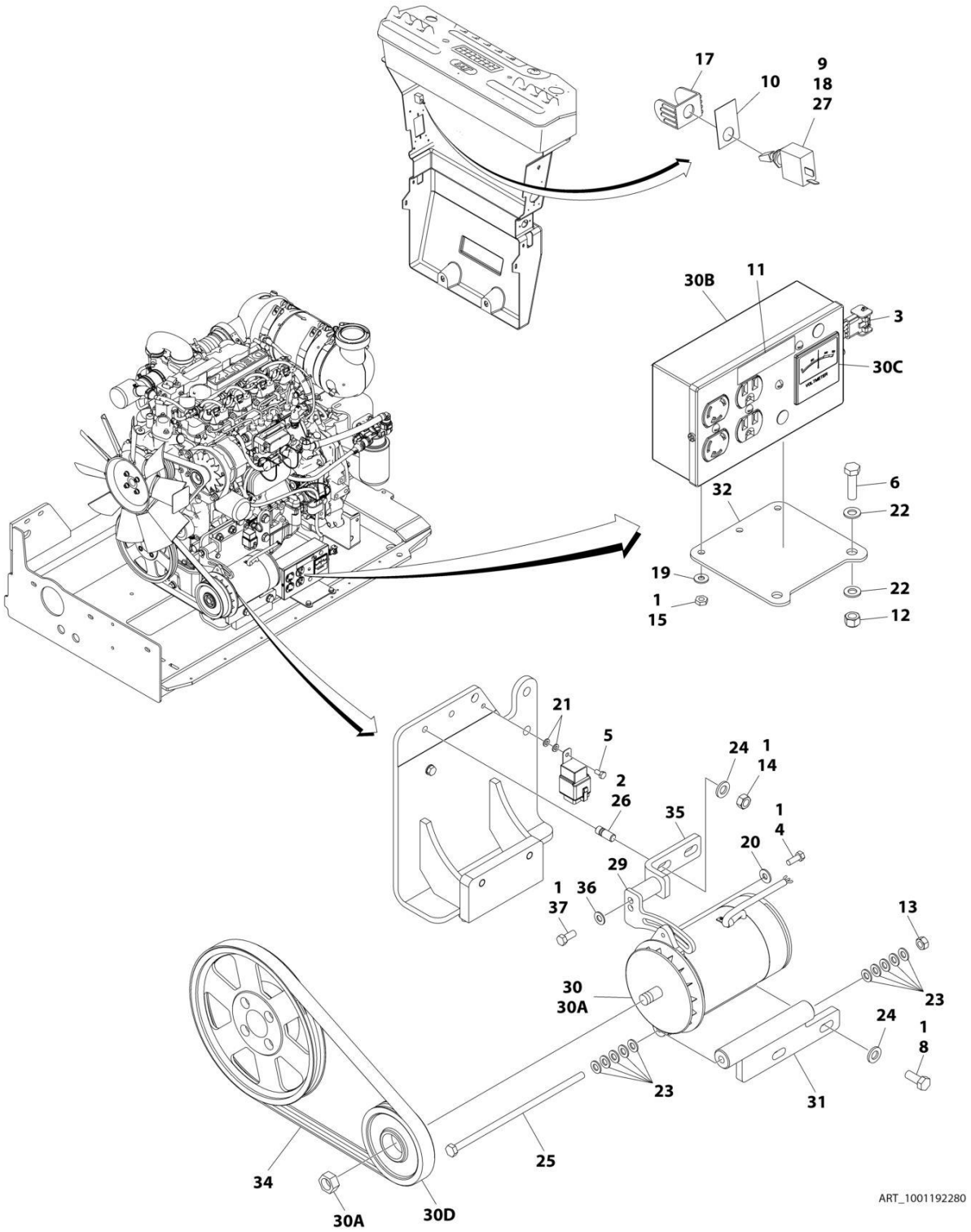


FIGURE 3-36. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192280	Ref	2500W GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Silicone	
4	0641507	1	Bolt 5/16 x 7/8	
5	0760606	1	Bolt M6 x 12	
6	0760814	2	Bolt M8 x 30	
8	0761214	2	Bolt M12 x 30	
9	2820031	AR	Heat Shrink	
10	3251102	1	Nameplate - Generator On/Off	
11	3251243	1	Decal - 120V-60Hz	
12	3290805	2	Nut M8	
13	3291007	1	Nut M10	
14	3291201	2	Nut M12	
15	3311001	2	Nut #10	
17	4060802	1	Guard, Switch	
18	4360336	1	Switch, Toggle	
19	4751000	2	Washer #10	
20	4751500	1	Washer 5/16	
21	4811700	2	Washer M6	
22	4811900	4	Washer M8	
23	4812000	10	Washer M10	
24	5241200	4	Washer M12	
25	1001119280	1	Bolt M10 x 260	
26	1001196382	2	Stud	
27	4922641	1	Generator Switch Harness	
29	1001179837	1	Arm, Adjusting	
30	1001180001	1	Generator and Control Box Assembly	
30A	7012558	1	Generator, Replacement	
30A		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.	
30A	7026199	1	Armature with Slip Rings	
30A	7012513	4	Cap, Brush Holder	
30A	7020108	4	Brush	
30A	7020109	4	Holder, Brush	
30A	7012514	1	Fan	
30A	7020110	1	Bell, Front	
30A	7020111	1	Bell, Rear	
30A	7020190	2	Bearing	
30B	7019680	1	Box, Control	
30B		Ref	Receptacle Options:	
30B	4460190	1	Receptacle, Standard	
30B	4460027	1	Receptacle, Twistlock	
30B	4360542	1	Breaker, Circuit	
30B	3520028	1	Plug, Hole	
30C	2420203	1	Voltmeter	
30D	3580276	1	Pulley	
30D	7027887	1	Key, Woodruff	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	1001181243	1	Mount (Lower)	
32	1001193167	1	Plate	
33	1001194114	1	Generator Harness - 2500W (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	
34	1001148138	1	Belt	
35	1001216015	1	Mount (Upper)	
36	4711600	1	Washer 3/8	
37	0641607	1	Bolt 3/8 x 7/8	

FIGURE 3-37. 2500W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

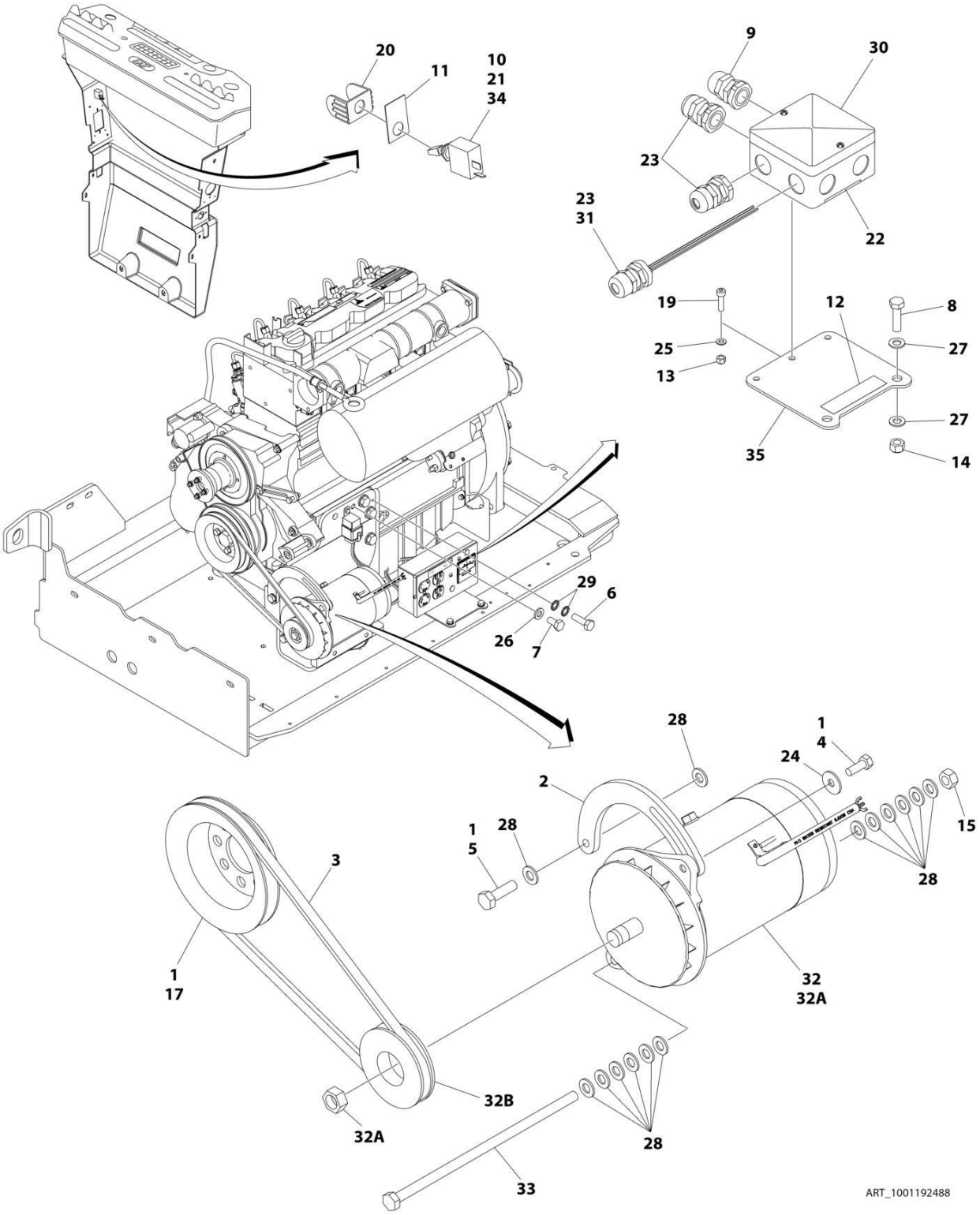


FIGURE 3-37. 2500W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192488	Ref	2500W GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	1001239716	1	Arm, Adjusting	
3	0480124	1	Belt, Generator	
4	0641508	1	Bolt 5/16 x 1	
5	0761012	1	Bolt M10 x 25	
6	0700610	1	Bolt M6 x 20	
7	0760606	1	Bolt M6 x 12	
8	0760814	2	Bolt M8 x 30	
9	0962449	1	Bushing	
10	2820031	AR	Heat Shrink	
11	3251102	1	Nameplate - Generator On/Off	
12	3252507	1	Decal - 220 Volt	
13	3290505	1	Nut M5	
14	3290805	2	Nut M8	
15	3291007	1	Nut M10	
17	3580158	1	Pulley	
19	4031608	1	Capscrew M5 x 20	
20	4060802	1	Guard, Switch	
21	4360336	1	Switch, Toggle	
22	4420060	1	Tape	
23	4460968	3	Connector, Strain Relief	
24	4811902	1	Washer M8	
25	4811600	1	Washer M5	
26	4811700	1	Washer M6	
27	4811900	4	Washer M8	
28	4812000	14	Washer M10	
29	4871700	2	Washer M6	
30	1001099869	1	Box, Junction	
31	1001100234	1	Lamp, Red	
32	1001100321	1	Generator Assembly	
32A		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.	
32A	70000123	1	Armature with Slip Rings	
32A	7012513	4	Cap, Brush Holder	
32A	7020108	4	Brush	
32A	7020109	4	Holder, Brush	
32A	7012514	1	Fan	
32A	7020110	1	Bell, Front	
32A	7020111	1	Bell, Rear	
32A	7020190	2	Bearing	
32B	3580134	1	Pulley	
32B	7027887	1	Key, Woodruff	
33	1001119280	1	Bolt M10 x 260	
34	4922641	1	Generator Switch Harness	
35	1001193167	1	Plate	
36	1001194114	1	Generator Harness - 2500W (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-38. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

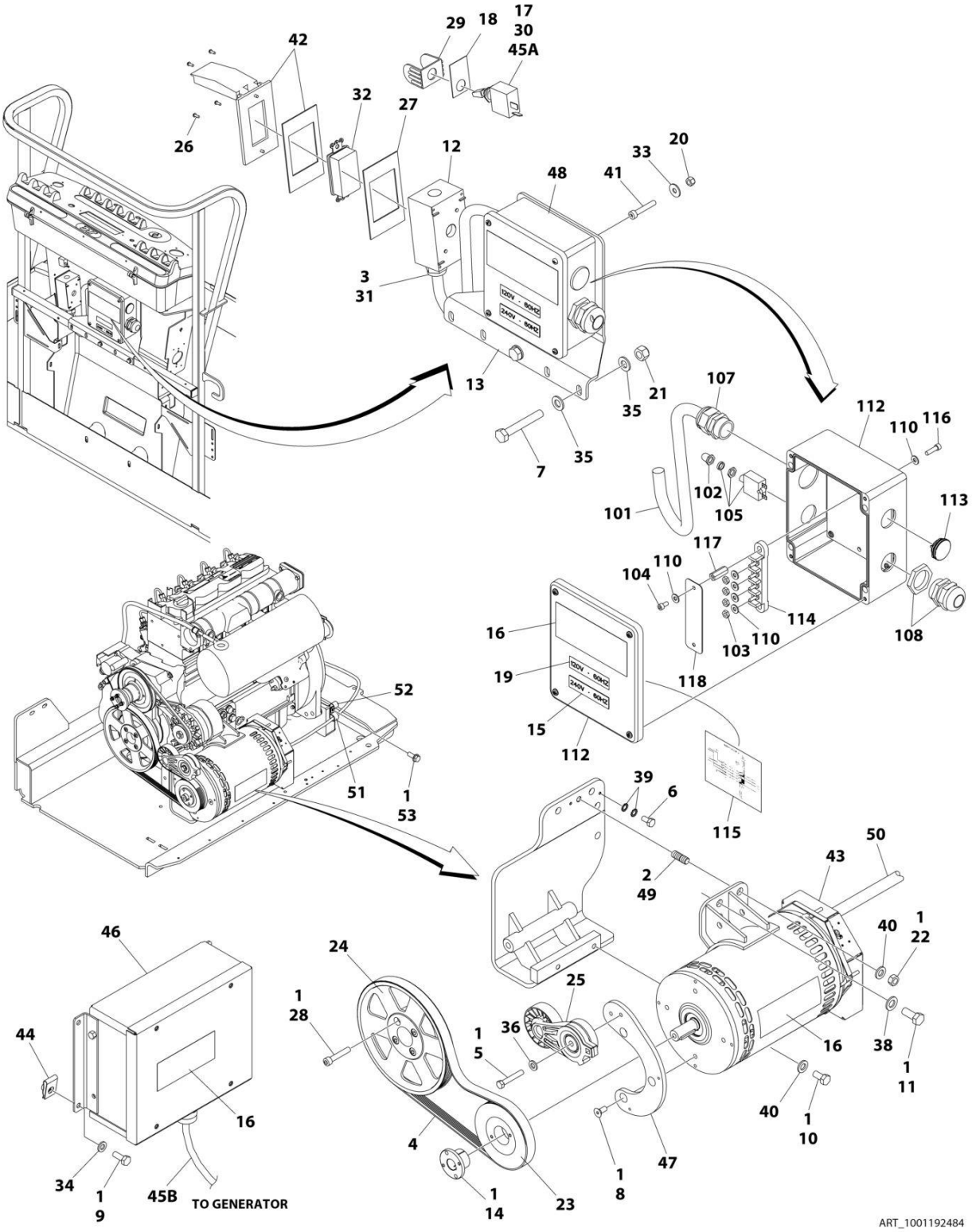


FIGURE 3-38. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192484	Ref	4000W GENERATOR INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100079	AR	Sealant	
4	1001136356	1	Belt	
5	0641618	1	Bolt 3/8 x 2-1/4	
6	0760606	1	Bolt M6 x 12	
7	0700819	1	Bolt M8 x 55	
8	0741607	3	Screw 3/8 x 7/8	
9	0760608	4	Bolt M6 x 16	
10	0761212	2	Bolt M12 x 25	
11	0771415	1	Bolt M14 x 35	
12	0860038	1	Box, Receptacle	
13	0902888	1	Bracket	
14	0962520	1	Bushing, Split	
15	1705374	1	Decal - 240V-60Hz	
16	1705387	3	Decal - Hazardous Voltage	
17	2820031	AR	Heat Shrink	
18	3251102	1	Nameplate - Generator On/Off	
19	3251243	1	Decal - 120V-60Hz	
20	3290505	4	Nut M5	
21	3290805	2	Nut M8	
22	3291201	1	Nut M12	
23	3580318	1	Pulley	
24	3580320	1	Pulley	
25	3580317	1	Tensioner, Belt	
26	3910606	4	Screw #6 x 3/8	
27	3960422	1	Gasket	
28	4032015	4	Capscrew M10 x 55	
29	4060802	1	Guard, Switch	
30	4360336	1	Switch, Toggle	
31	4460071	1	Connector, Strain Relief	
32	4460346	1	Receptacle	
33	4811602	4	Washer M5	
34	4811700	4	Washer M6	
35	4811900	4	Washer M8	
36	5241000	1	Washer M10	
38	5241400	1	Washer M14	
39	4871700	2	Washer M6	
40	5241200	3	Washer M12	
41	1001104029	4	Capscrew M5 x 30 Grade 12.9	
42	1001110873	1	Cover, Receptacle	
43	1001129858	1	Generator Assembly (60Hz)	
43	70003709	1	Ring, Retaining (External)	
43	70003708	1	Ring, Retaining (Internal)	
43	70001966	1	Bearing	
43	70004092	1	Endbell (Shaft End)	
43	70004171	1	Key	
43	70004676	1	Rotor	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	70004684	1	Stator	
43	70004678	1	Endbell (Rear)	
43	70004679	1	Cover, Endbell (Rear)	
43	70004680	1	Enclosure, Wiring	
43	70004685	1	Cover, Enclosure	
43	70004682	1	Switch, Reset (Located on Enclosure Cover)	
43	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
44	1001130220	4	Nut, Tinnerman M6	
45A	4922641	1	Generator Switch Harness	
45B	1001153197	1	Generator to Engine Harness	
45B	4460967	1	Connector - 3 Position	
45B	4460465	2	Socket, Female	
46	1001138566	1	Box, Control	
46	70006552	1	Capacitor	
46	70006553	1	Relay	
47	1001139357	1	Mount	
48	1001152457	1	Junction Box Assembly (See Items 101-118 for Breakdown)	
49	1001196382	1	Stud	
50	1001152532	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
51	7274000040	1	Clamp	
52	1320061	1	Clamp	
53	5251012	1	Bolt M10 x 25	
	1001152457	Ref	JUNCTION BOX ASSEMBLY	
101	1001179154	2.5 ft/ 0.8m	Cable, Electrical - 12/3	
102	3300396	1	Cover, Breaker	
103	3311001	4	Nut #10	
104	3900300	2	Screw	
105	4360070	1	Breaker, Circuit - 15Amp	
107	4460425	1	Connector, Strain Relief (LH Side)	
108	4460426	1	Connector, Strain Relief (RH Side)	
110	4711000	8	Washer #10	
112	1001152456	1	Box, Junction	
113	1001152525	1	Plug	
114	1001152530	1	Terminal, Block	
115	1001153260	1	Decal - Wiring Diagram	
116	3900267	2	Screw	
117	1001158008	2	Stand-Off	
118	1001158363	1	Cover, Terminal Block	

FIGURE 3-39. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES) (OPTIONAL)

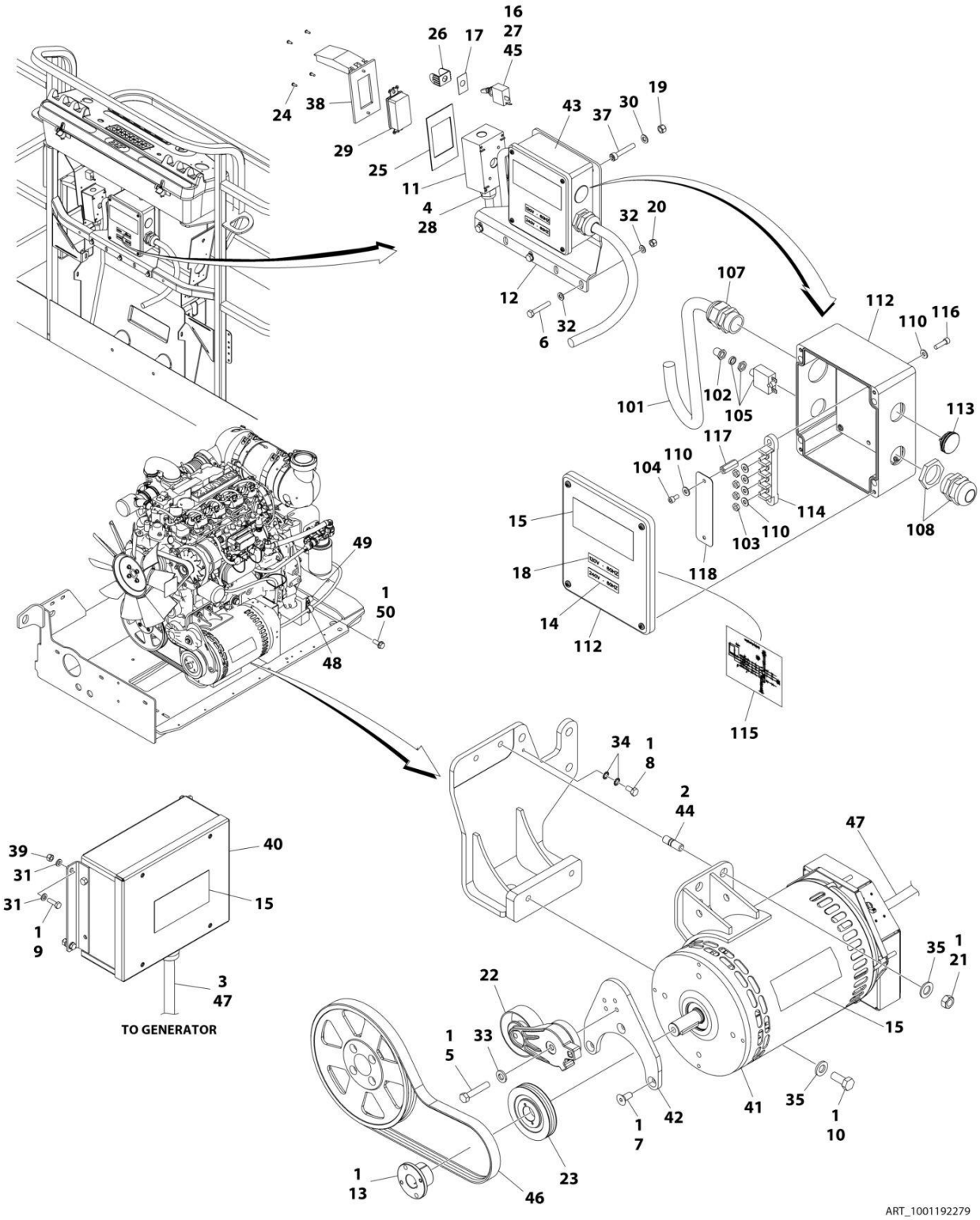


FIGURE 3-39. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192279	Ref	4000W GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Compound, Locking	
4	0100079	AR	Sealant	
5	0641616	1	Bolt 3/8 x 2	
6	0700819	2	Bolt M8 x 55	
7	0741607	3	Screw 3/8 x 7/8	
8	0760606	1	Bolt M6 x 12	
9	0760608	4	Bolt M6 x 16	
10	0761212	2	Bolt M12 x 25	
11	0860038	1	Box, Receptacle	
12	0902888	1	Bracket	
13	0962520	1	Bushing, Split	
14	1705374	1	Decal - 240V-60Hz	
15	1705387	3	Decal - Hazardous Voltage	
16	2820031	AR	Heat Shrink	
17	3251102	1	Nameplate - Generator On/Off	
18	3251243	1	Decal - 120V-60Hz	
19	3290505	4	Nut M5	
20	3290805	2	Nut M8	
21	3291201	2	Nut M12	
22	3580317	1	Tensioner, Belt	
23	3580318	1	Pulley	
24	3910606	4	Screw #6 x 3/8	
25	3960422	1	Gasket	
26	4060802	1	Guard, Switch	
27	4360336	1	Switch, Toggle	
28	4460071	1	Connector, Strain Relief	
29	4460346	1	Receptacle	
30	4811602	4	Washer M5	
31	4811700	4	Washer M6	
32	4811900	4	Washer M8	
33	5241000	1	Washer M10	
34	4871700	2	Washer M6	
35	5241200	4	Washer M12	
37	1001104029	4	Capscrew M5 x 30 Grade 12.9	
38	1001110873	1	Cover	
39	1001130220	4	Nut, Tinnerman M6	
40	1001138566	1	Box, Control	
40	70006552	1	Capacitor	
40	70006553	1	Relay	
41	1001140346	1	Generator Assembly (60Hz)	
41	70003709	1	Ring, Retaining (External)	
41	70003708	1	Ring, Retaining (Internal)	
41	70001966	1	Bearing	
41	70004092	1	Endbell (Shaft End)	
41	70004099	1	Key	
41	70004676	1	Rotor	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	70004687	1	Stator	
41	70004678	1	Endbell (Rear)	
41	70004679	1	Cover, Endbell (Rear)	
41	70004680	1	Enclosure, Wiring	
41	70004685	1	Cover, Enclosure	
41	70004682	1	Switch, Reset (Located on Enclosure Cover)	
41	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
42	1001142643	1	Support	
43	1001152457	1	Junction Box Assembly (See Items 101-118 for Breakdown)	
44	1001196382	2	Stud	
45	4922641	1	Generator Switch Harness	
46	1001142646	1	Belt	
47	1001152532	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
48	7274000040	1	Clamp	
49	1320061	1	Clamp	
50	5251012	1	Bolt M10 x 25	
	1001152457	Ref	JUNCTION BOX ASSEMBLY	
101	1001179154	2.5 ft/ 0.8m	Cable, Electrical - 12/3	
102	3300396	1	Cover, Breaker	
103	3311001	4	Nut #10	
104	3900300	2	Screw	
105	4360070	1	Breaker, Circuit - 15Amp	
107	4460425	1	Connector, Strain Relief (LH Side)	
108	4460426	1	Connector, Strain Relief (RH Side)	
110	4711000	8	Washer #10	
112	1001152456	1	Box, Junction	
113	1001152525	1	Plug	
114	1001152530	1	Terminal, Block	
115	1001153260	1	Decal - Wiring Diagram	
116	3900267	2	Screw	
117	1001158008	2	Stand-Off	
118	1001158363	1	Cover, Terminal Block	

FIGURE 3-40. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

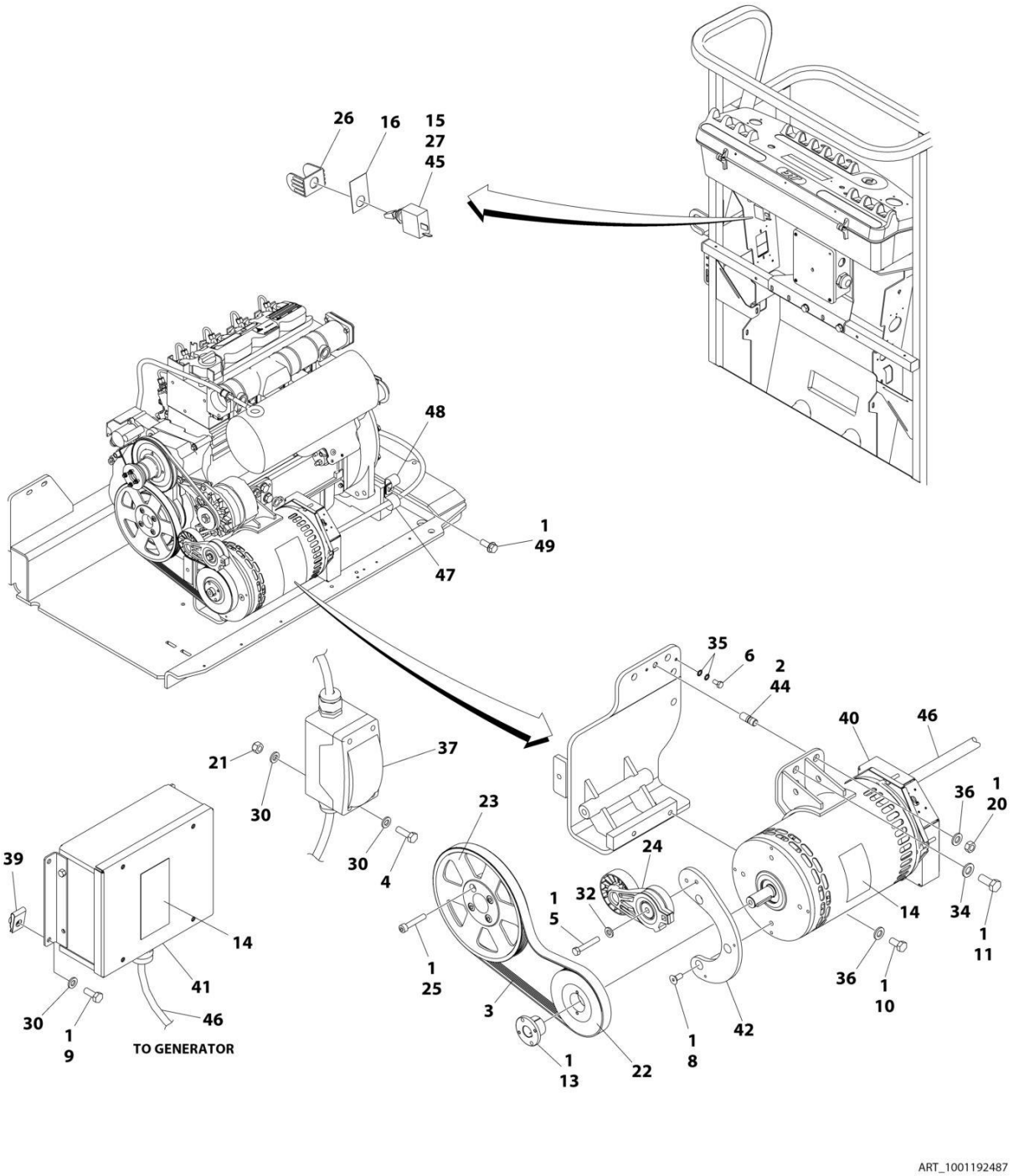


FIGURE 3-40. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192487	Ref	4000W GENERATOR INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	1001141814	1	Belt	
4	0760610	2	Bolt M6 x 20	
5	0641618	1	Bolt 3/8 x 2-1/4	
6	0760606	1	Bolt M6 x 12	
8	0741607	3	Screw 3/8 x 7/8	
9	0760608	4	Bolt M6 x 16	
10	0761212	2	Bolt M12 x 25	
11	0771415	1	Bolt 14 x 35	
13	0962520	1	Bushing, Split	
14	1705489	2	Decal - Hazardous Voltage	
15	2820031	AR	Heat Shrink	
16	3251102	1	Nameplate - Generator On/Off	
20	3291201	1	Nut M12	
21	3290605	2	Nut M6	
22	3580319	1	Pulley	
23	3580320	1	Pulley	
24	3580317	1	Tensioner, Belt	
25	4032015	4	Capscrew M10 x 55	
26	4060802	1	Guard, Switch	
27	4360336	1	Switch, Toggle	
30	4811700	8	Washer M6	
32	5241000	1	Washer M10	
34	5241400	1	Washer M14	
35	4871700	2	Washer M6	
36	5241200	3	Washer M12	
37	1001096070	1	Breaker Box Kit (See Separate Breakdown in ELECTRICAL SECTION)	
39	1001130220	4	Nut, Tinnerman M6	
40	1001138565	1	Generator Assembly (50Hz)	
40	70003709	1	Ring, Retaining (External)	
40	70003708	1	Ring, Retaining (Internal)	
40	70001966	1	Bearing	
40	70004092	1	Endbell (Shaft End)	
40	70004171	1	Key	
40	70004676	1	Rotor	
40	70004677	1	Stator	
40	70004678	1	Endbell (Rear)	
40	70004679	1	Cover, Endbell (Rear)	
40	70004680	1	Enclosure, Wiring	
40	70004681	1	Cover, Enclosure	
40	70004682	1	Switch, Reset (Located on Enclosure Cover)	
40	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
41	1001138566	1	Box, Control	
41	70006552	1	Capacitor	
41	70006553	1	Relay	
42	1001139357	1	Mount	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001196382	1	Stud	
45	4922641	1	Generator Switch Harness	
46	1001152532	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
47	7274000040	1	Clamp	
48	1320061	1	Clamp	
49	5251012	1	Bolt M10 x 25	

FIGURE 3-41. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.2L3 (STAGE V) ENGINE) (OPTIONAL)

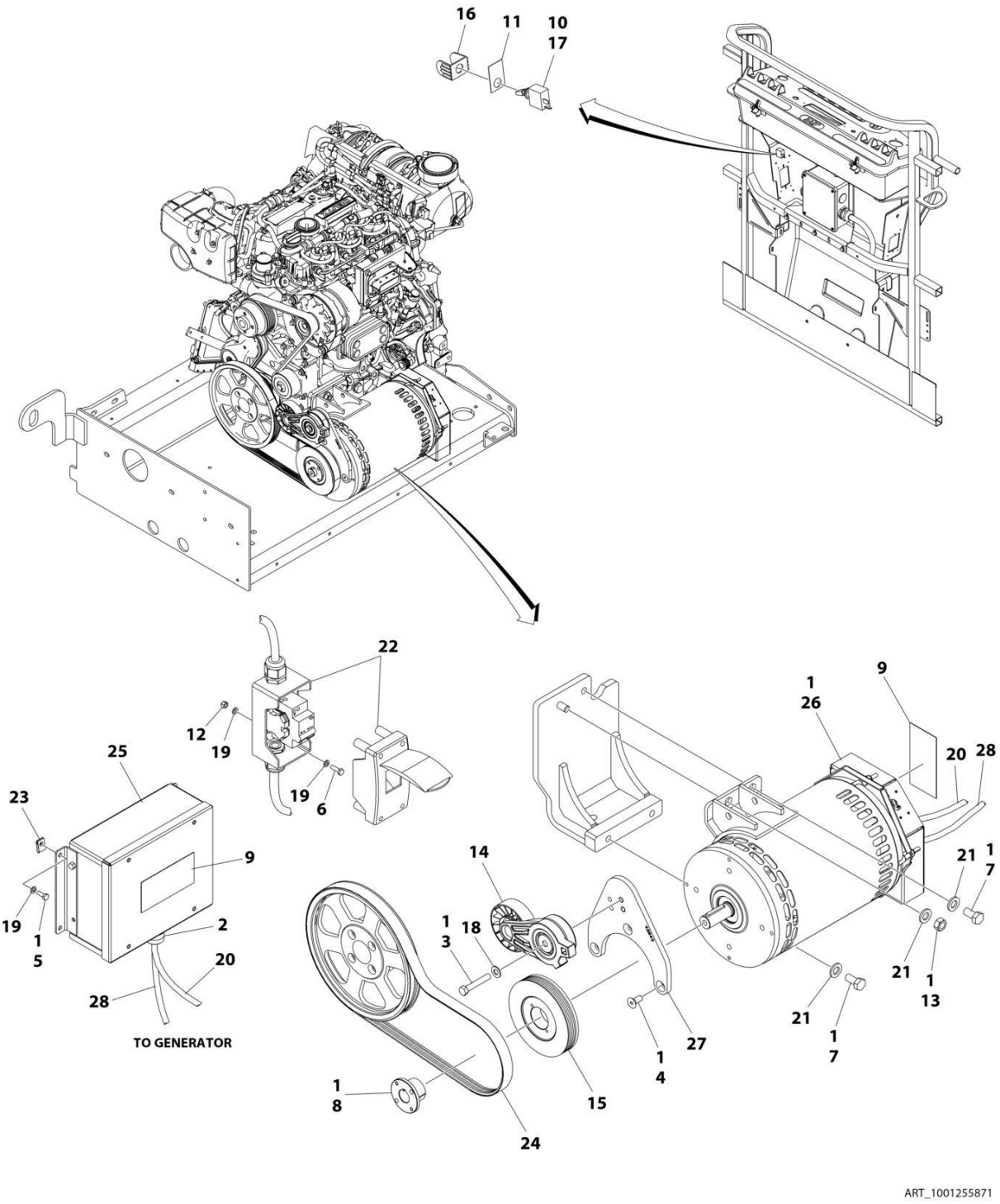


FIGURE 3-41. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.2L3 (STAGE V) ENGINE) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255871	Ref	4000W GENERATOR INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Terminal	
3	0641618	1	Bolt 3/8 x 2-1/4	
4	0741607	3	Screw 3/8 x 7/8	
5	0760608	4	Bolt M6 x 16	
6	0760610	2	Bolt M6 x 20	
7	0761212	3	Bolt M12 x 25	
8	0962520	1	Bushing, Split	
9	1705489	2	Decal - Hazardous Voltage	
10	2820031	AR	Heatshrink	
11	3252764	1	Nameplate - AC & Weld	
12	3290605	2	Nut M6	
13	3291201	1	Nut M12	
14	3580317	1	Tensioner, Belt	
15	3580319	1	Pulley	
16	4060802	1	Guard, Switch	
17	4360336	1	Switch, Toggle	
18	4711600	1	Washer 3/8	
19	4811700	8	Washer M6	
20	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
21	5241200	4	Washer M12	
22	1001096070	1	Box & Breaker Kit (See Separate Breakdown in ELECTRICAL SECTION)	
23	1001130220	4	Nut, Tinnerman M6	
24	1001136356	1	Belt	
25	1001138566	1	Box, Control	
25	70006552	1	Capacitor	
25	70006553	1	Relay	
26	1001140347	1	Generator Assembly - 50Hz	
26	70003709	1	Ring, Retaining (External)	
26	70003708	1	Ring, Retaining (Internal)	
26	70001966	1	Bearing	
26	70004092	1	Endbell (Shaft End)	
26	70004099	1	Key	
26	70004676	1	Rotor	
26	70004686	1	Stator	
26	70004678	1	Endbell (Rear)	
26	70004679	1	Cover, Endbell (Rear)	
26	70004680	1	Enclosure, Wiring	
26	70004681	1	Cover, Enclosure	
26	70004682	1	Switch, Reset (Located on Enclosure Cover)	
26	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
26	4460224	1	Connector - 6 Position (Located on Enclosure Cover)	
26	4460294	1	Pin, Male (Located on Enclosure Cover)	
27	1001142643	1	Support	
28	1001152532	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-42. 7500W SKYPOWER GENERATOR INSTALLATION - 110/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

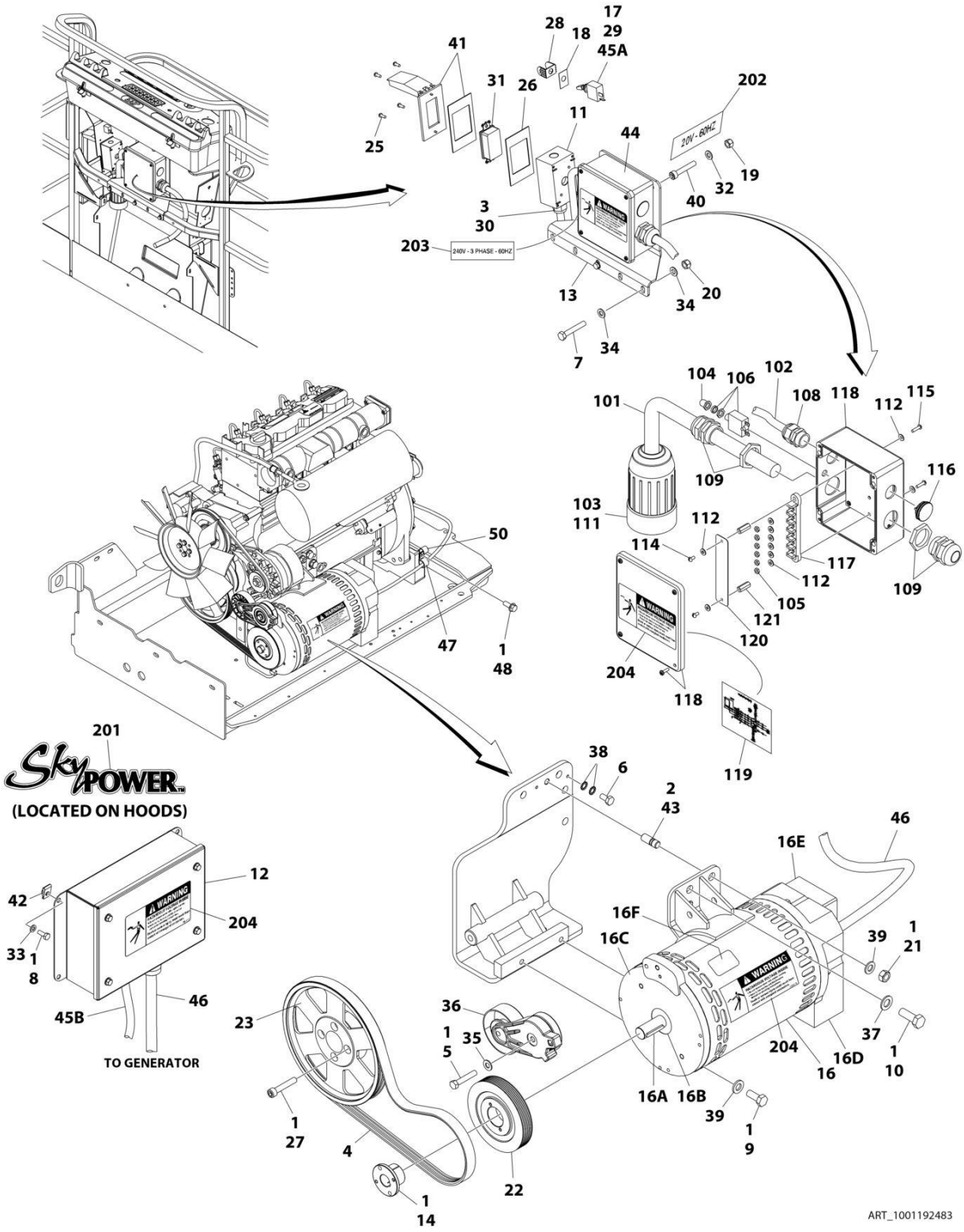


FIGURE 3-42. 7500W SKYPOWER GENERATOR INSTALLATION - 110/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192483	Ref	7500W SKYPOWER GENERATOR INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100079	AR	Sealant	
4	1001136356	1	Belt	
5	0641618	1	Bolt 3/8 x 2-1/4	
6	0760606	1	Bolt M6 x 12	
7	0700819	2	Bolt M8 x 55	
8	0760608	4	Bolt M6 x 16	
9	0761212	2	Bolt M12 x 25	
10	0771415	1	Bolt M14 x 35	
11	0860038	1	Box, Receptacle	
12	0861538	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)	
13	0902888	1	Bracket	
14	0962520	1	Bushing, Split	
16	2460048	1	Generator Assembly	
16	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
16	70001384	1	Bearing, Ball Radial (Not Shown)	
16	70000863	1	Fan (Not Shown)	
16	70002088	1	Stator (Not Shown)	
16	70002297	1	Stud	
16	70003631	1	Brushholder Assembly (Not Shown)	
16A	70004171	1	Key	
16B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
16B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
16B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
16C	70001953	1	Endbell, Belt Tensioner	
16D	70004169	1	Endbell, Brush Block	
16E	70004169	1	Shroud	
16E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
16E	7027799	1	Block, Connector - 6 Position (Not Shown)	
16E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
16E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
16E	70001696	1	Boot, Breaker (Not Shown)	
16E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 39)	
16E	7026597	1	Connector, with Leads (Not Shown)	
16E	7026188	1	Clamp, Cable Options (Not Shown)	
16E	70004169	1	Plate, End Panel	
16E	70001974	1	Decal - Terminal Connections	
16F	70001973	1	Decal - Warning Moving Parts	
17	2820031	AR	Heat Shrink	
18	3252764	1	Nameplate - AC & Weld	
19	3290505	4	Nut M5	
20	3290805	2	Nut M8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	3291201	1	Nut M12	
22	3580318	1	Pulley	
23	3580320	1	Pulley	
25	3910606	4	Screw #6 x 3/8	
26	3960422	1	Gasket	
27	4032015	4	Capscrew M10 x 55	
28	4060802	1	Guard, Switch	
29	4360336	1	Switch, Toggle	
30	4460071	1	Connector, Strain Relief	
31	4460346	1	Receptacle	
32	4811602	4	Washer M5	
33	4811700	4	Washer M6	
34	4811900	4	Washer M8	
35	5241000	1	Washer M10	
36	3580317	1	Tensioner, Belt	
37	5241400	1	Washer M14	
38	4871700	2	Washer M6	
39	5241200	3	Washer M12	
40	1001104029	4	Capscrew M5 x 30 Grade 12.9	
41	1001110873	1	Cover	
42	1001130220	4	Nut, Tinnerman M6	
43	1001196382	1	Stud	
44	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
45A	4922641	1	Generator Switch Harness	
45B	1001152429	1	Generator to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION)	
46	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
47	7274000040	1	Clamp	
48	5251012	1	Bolt M10 x 25	
50	1320061	1	Clamp	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft/ 0.5m	Cable, Electrical 10/4	
102	1001179154	2.5 ft/ 0.8m	Cable, Electrical 12/3	
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V-60Hz	
203	1705375	1	Decal - 240V - 3 Phase - 60Hz	
204	1705387	3	Decal - Hazardous Voltage	

FIGURE 3-43. 7500W SKYPOWER GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES) (OPTIONAL)

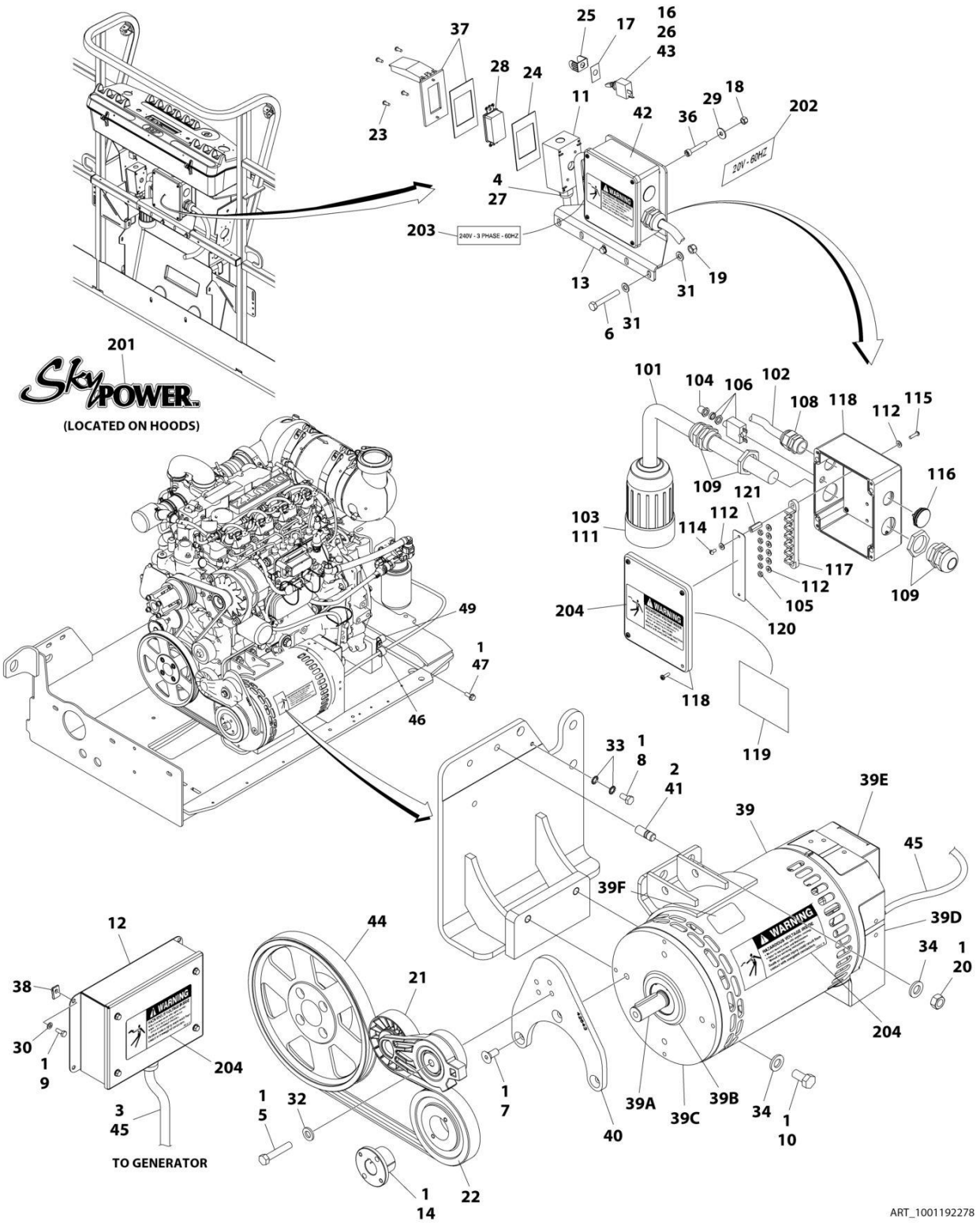


FIGURE 3-43. 7500W SKYPOWER GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192278	Ref	7500W SKYPOWER GENERATOR INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Compound Terminal	
4	0100079	AR	Sealant	
5	0641616	1	Bolt 3/8 x 2	
6	0700819	2	Bolt M8 x 55	
7	0741607	3	Screw 3/8 x 7/8	
8	0760606	1	Bolt M6 x 12	
9	0760608	4	Bolt M6 x 16	
10	0761212	2	Bolt M12 x 25	
11	0860038	1	Box, Receptacle	
12	0861538	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	
14	0962520	1	Bushing, Split	
16	2820031	AR	Heat Shrink	
17	3252764	1	Nameplate - AC & Weld	
18	3290505	4	Nut M5	
19	3290805	2	Nut M8	
20	3291201	2	Nut M12	
21	3580317	1	Tensioner, Belt	
22	3580318	1	Pulley	
23	3910606	4	Screw #6 x 3/8	
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	4811602	4	Washer M5	
30	4811700	4	Washer M6	
31	4811900	4	Washer M8	
32	5241000	1	Washer M10	
33	4871700	2	Washer M6	
34	5241200	4	Washer M12	
36	1001104029	1	Capscrew M5 x 30 Grade 12.9	
37	1001110873	1	Cover	
38	1001130220	4	Nut, Tinnerman M6	
39	1001212223	1	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)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	70006093	1	Stator (Not Shown)	
39	70002297	1	Stud	
39	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
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 (Not Shown)	
39E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 45)	
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	1001196382	2	Stud	
42	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
43	4922641	1	Generator Switch Harness	
44	1001142646	1	Belt	
45	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
46	7274000040	1	Clamp	
47	5251012	1	Bolt M10 x 25	
49	1320061	1	Clamp	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft/ 0.5m	Cable, Electrical 10/4	
102	1001179154	2.5 ft/ 76cm	Cable, Electrical 12/3	
103	1671092	1	Cover, Connector	
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	4	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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
121	1001158008	1	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V-60Hz	
203	1705375	1	Decal - 240V - 3 Phase - 60Hz	
204	1705387	3	Decal - Hazardous Voltage	

FIGURE 3-44. 7500W SKYPOWER GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

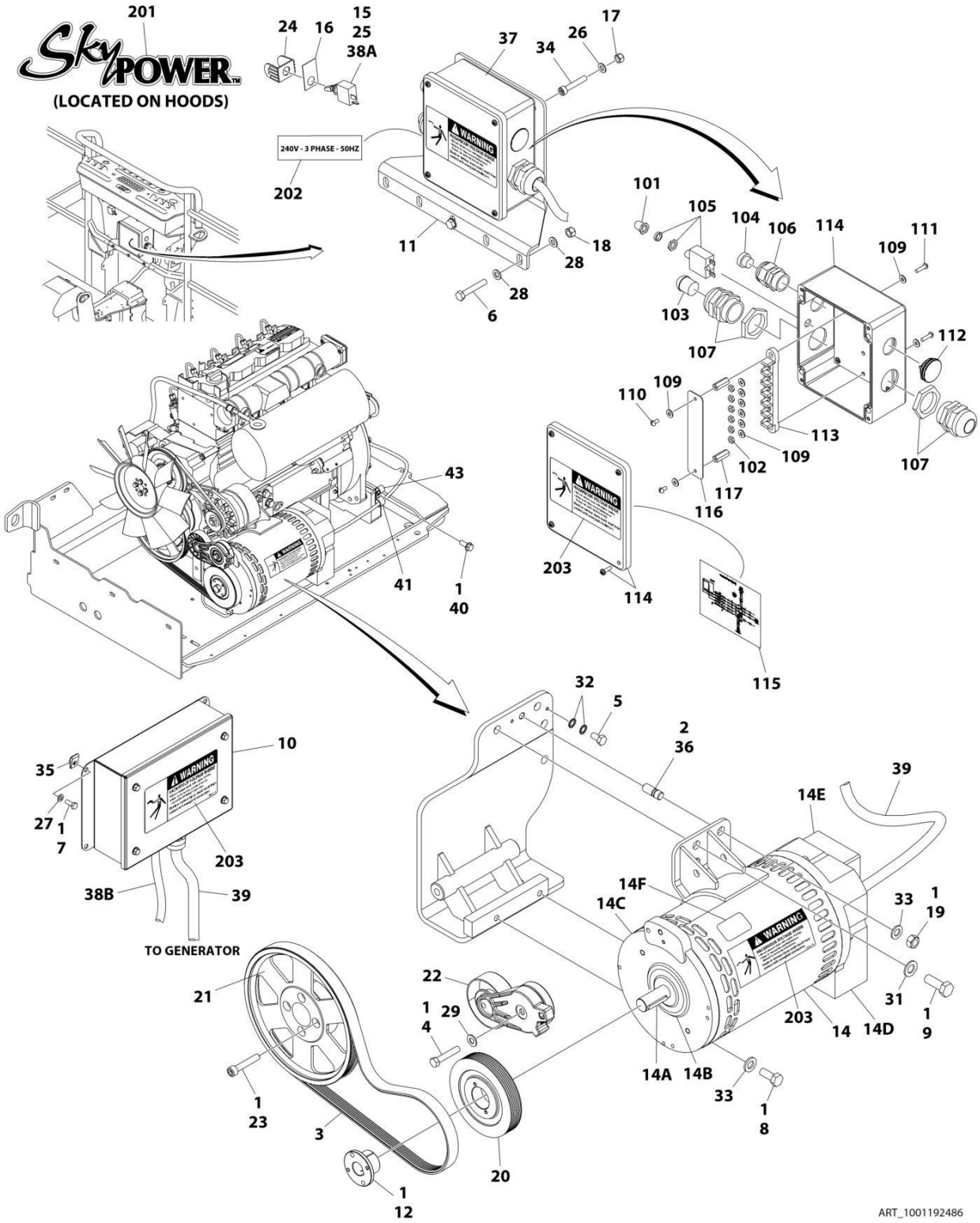


FIGURE 3-44. 7500W SKYPOWER GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

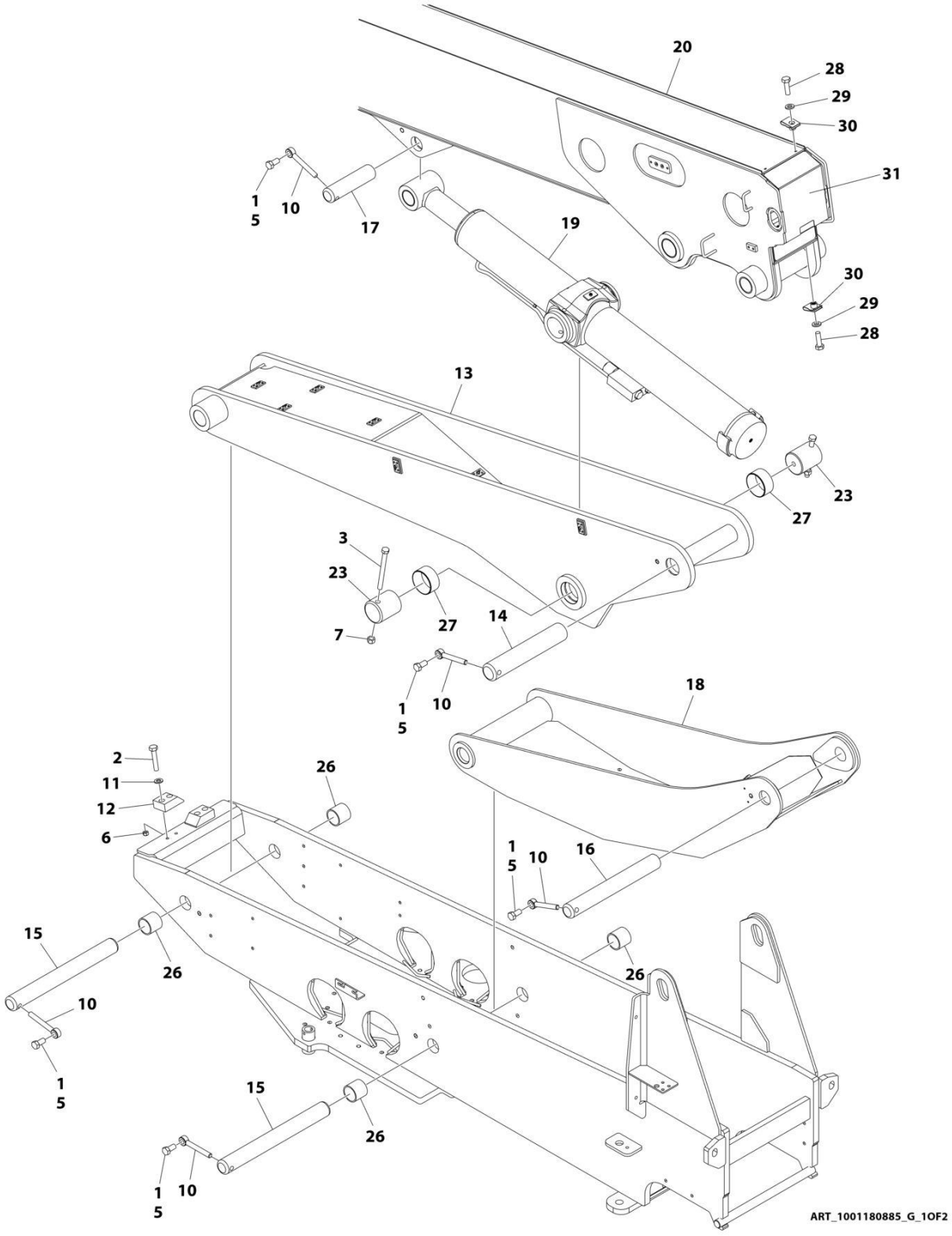
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192486	Ref	7500W SKYPOWER GENERATOR INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	1001141814	1	Belt	
4	0641618	1	Bolt 3/8 x 2-1/4	
5	0760606	1	Bolt M6 x 12	
6	0700819	2	Bolt M8 x 55	
7	0760608	4	Bolt M6 x 16	
8	0761212	2	Bolt M12 x 25	
9	0771415	1	Bolt M14 x 35	
10	0861572	1	Control Box Assembly	
10	7024488	1	Card, Circuit - Generator Power	
10	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
10	7024489	1	Card, Circuit - Control	
10	70000619	1	Harness, Control Box (Internal)	
11	0902888	1	Bracket	
12	0962520	1	Bushing, Split	
14	2460048	1	Generator Assembly	
14	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
14	70001384	1	Bearing, Ball Radial (Not Shown)	
14	70000863	1	Fan (Not Shown)	
14	70002088	1	Stator (Not Shown)	
14	70002297	1	Stud	
14	70003631	1	Brushholder Assembly (Not Shown)	
14A	70004171	1	Key	
14B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
14B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
14B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
14C	70001953	1	Endbell, Belt Tensioner	
14D	70004169	1	Endbell, Brush Block	
14E	70004169	1	Shroud	
14E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
14E	7027799	1	Block, Connector 6 Position (Not Shown)	
14E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
14E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
14E	70001696	1	Boot, Breaker (Not Shown)	
14E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 39)	
14E	7026597	1	Connector, with Leads (Not Shown)	
14E	7026188	1	Clamp, Cable Options (Not Shown)	
14E	70004169	1	Plate, End Panel	
14E	70001974	1	Decal - Terminal Connections	
14F	70001973	1	Decal - Warning Moving Parts	
15	2820031	AR	Heat Shrink	
16	3252764	1	Nameplate - AC & Weld	
17	3290505	4	Nut M5	
18	3290805	2	Nut M8	
19	3291201	1	Nut M12	
20	3580319	1	Pulley	

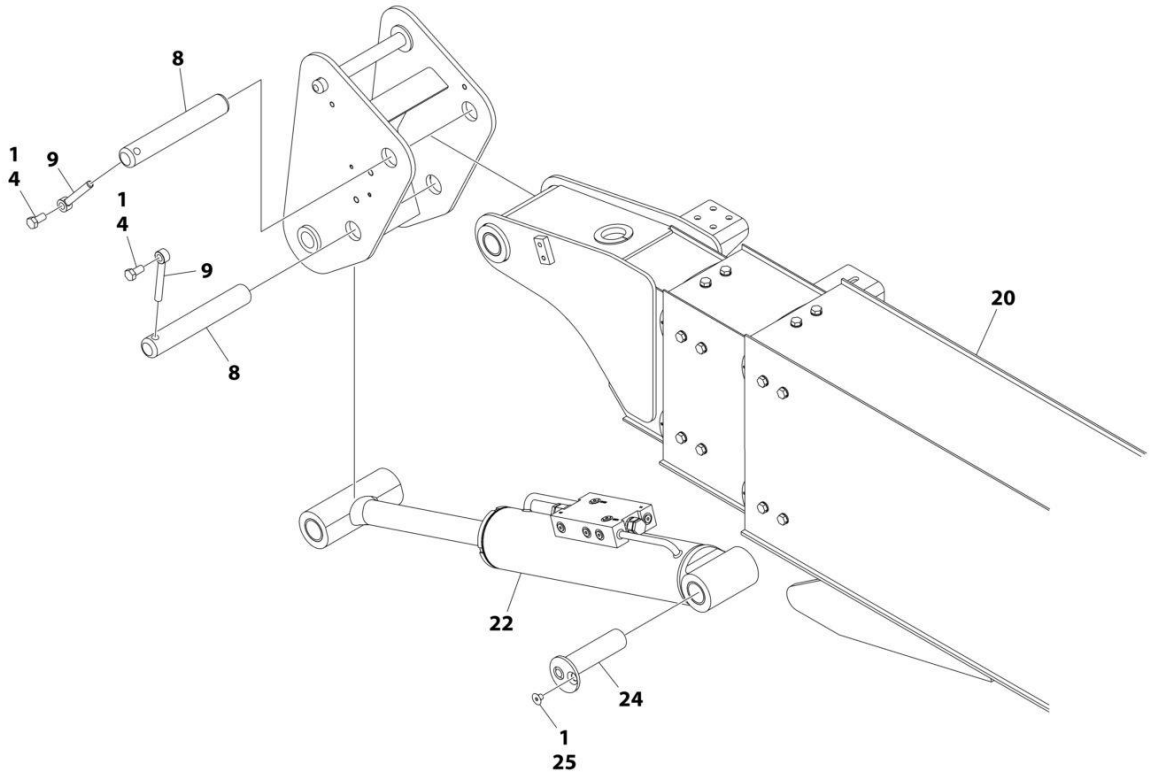
SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	3580320	1	Pulley	
22	3580317	1	Tensioner, Belt	
23	4032015	4	Capscrew M10 x 55	
24	4060802	1	Guard, Switch	
25	4360336	1	Switch, Toggle	
26	4811602	4	Washer M5	
27	4811700	4	Washer M6	
28	4811900	4	Washer M8	
29	5241000	1	Washer M10	
31	5241400	1	Washer M14	
32	4871700	2	Washer M6	
33	5241200	3	Washer M12	
34	1001104029	4	Capscrew M5 x 30 Grade 12.9	
35	1001130220	4	Nut, Tinnerman M6	
36	1001196382	1	Stud	
37	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
38A	4922641	1	Generator Switch Harness	
38B	1001152429	1	Generator to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION)	
39	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
40	5251012	1	Bolt M10 x 25	
41	7274000040	1	Clamp	
43	1320061	1	Clamp	
	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	1001152520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase - 50Hz	
203	1705489	3	Decal - Hazardous Voltage	

SECTION 4 - BOOM

FIGURE 4-1. BOOM INSTALLATION (Prior to SN 0300275371)





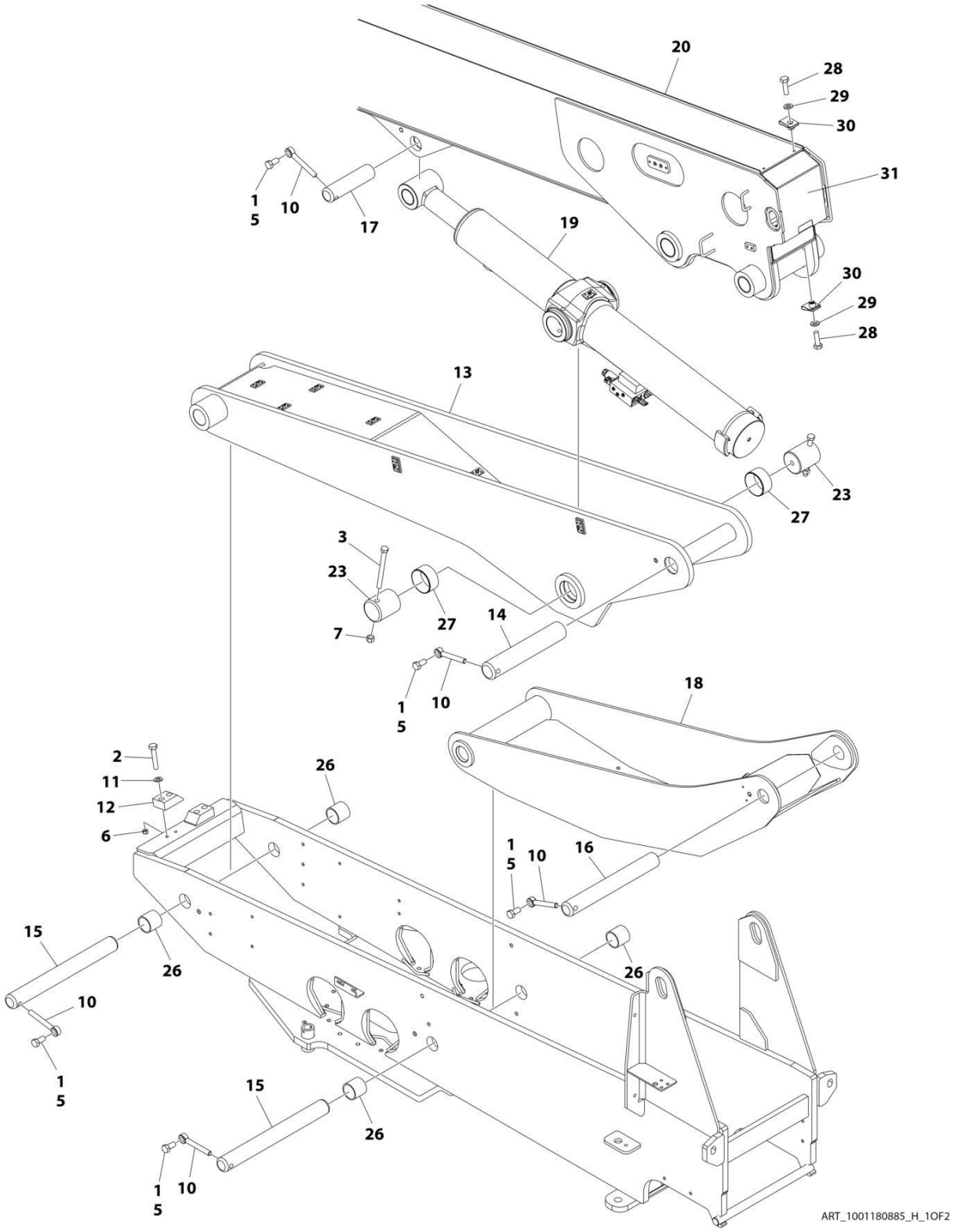
ART_1001180885_G_2OF2

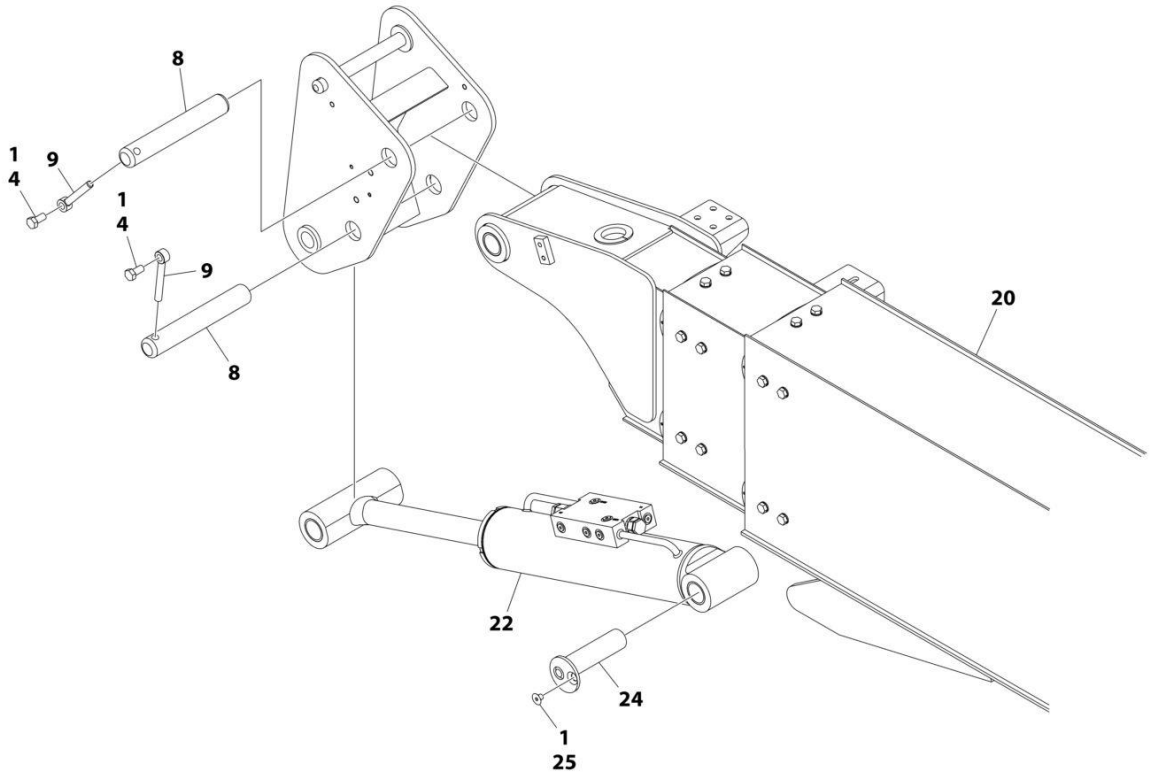
SECTION 4 - BOOM

FIGURE 4-1. BOOM INSTALLATION (Prior to SN 0300275371)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180885	Ref	BOOM INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0701019	4	Bolt M10 x 55	
3	0711635	2	Bolt M16 x 180	
4	0761212	2	Bolt M12 x 25	
5	0762016	5	Bolt M20 x 40	
6	3291005	4	Nut M10	
7	3291605	2	Nut M16	
8	3422793	2	Pin	
9	3841203	2	Keeper, Pin	
10	3841287	5	Keeper, Pin	
11	4812000	4	Washer M10	
12	1001138459	2	Pad	
13	1001174231	1	Link	
14	1001174250	1	Pin	
15	1001174252	2	Pin	
16	1001174253	1	Pin	
17	1001174254	1	Pin	
18	1001174256	1	Link	
19	1001250382	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
20	1001176217	1	Boom Assembly (See Separate Breakdown in this Section)	
22	1001184957	1	Level Cylinder Assembly - Platform Slave (See Separate Breakdown in CYLINDER SECTION)	
23	1001183926	2	Pin	
24	1001192052	1	Pin	
25	1001192027	1	Screw M10 x 12	
26	0962423	4	Bearing	
27	1001174251	2	Bearing	
28	0760610	4	Bolt M6 x 20	
29	4811700	4	Washer M6	
30	1001130220	4	Nut - Tinnerman M6	
31	1001228177	1	Cover	

FIGURE 4-2. BOOM INSTALLATION (SN 0300275371 to Present)



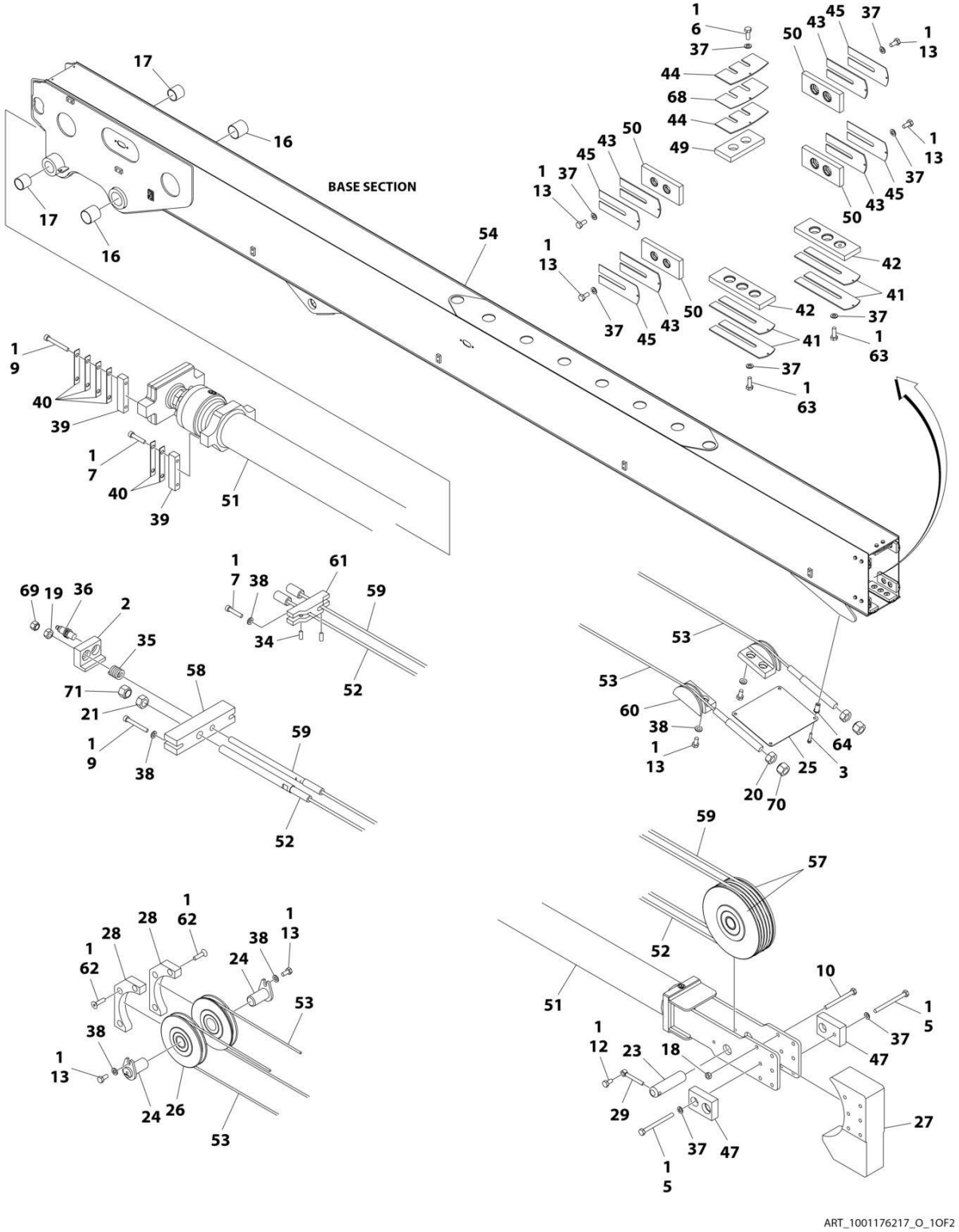


ART_1001180885_H_2OF2

FIGURE 4-2. BOOM INSTALLATION (SN 0300275371 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180885	Ref	BOOM INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0701019	4	Bolt M10 x 55	
3	0711635	2	Bolt M16 x 180	
4	0761212	2	Bolt M12 x 25	
5	0762016	5	Bolt M20 x 40	
6	3291005	4	Nut M10	
7	3291605	2	Nut M16	
8	3422793	2	Pin	
9	3841203	2	Keeper, Pin	
10	3841287	5	Keeper, Pin	
11	4812000	4	Washer M10	
12	1001138459	2	Pad	
13	1001174231	1	Link	
14	1001174250	1	Pin	
15	1001174252	2	Pin	
16	1001174253	1	Pin	
17	1001174254	1	Pin	
18	1001174256	1	Link	
19	1001272076	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
20	1001176217	1	Boom Assembly (See Separate Breakdown in this Section)	
22	1001184957	1	Level Cylinder Assembly - Platform Slave (See Separate Breakdown in CYLINDER Section)	
23	1001183926	2	Pin	
24	1001192052	1	Pin	
25	1001192027	1	Screw M10 x 12	
26	0962423	4	Bearing	
27	1001174251	2	Bearing	
28	0760610	4	Bolt M6 x 20	
29	4811700	4	Washer M6	
30	1001130220	4	Nut - Tinnerman M6	
31	1001228177	1	Cover	

FIGURE 4-3. BOOM ASSEMBLY



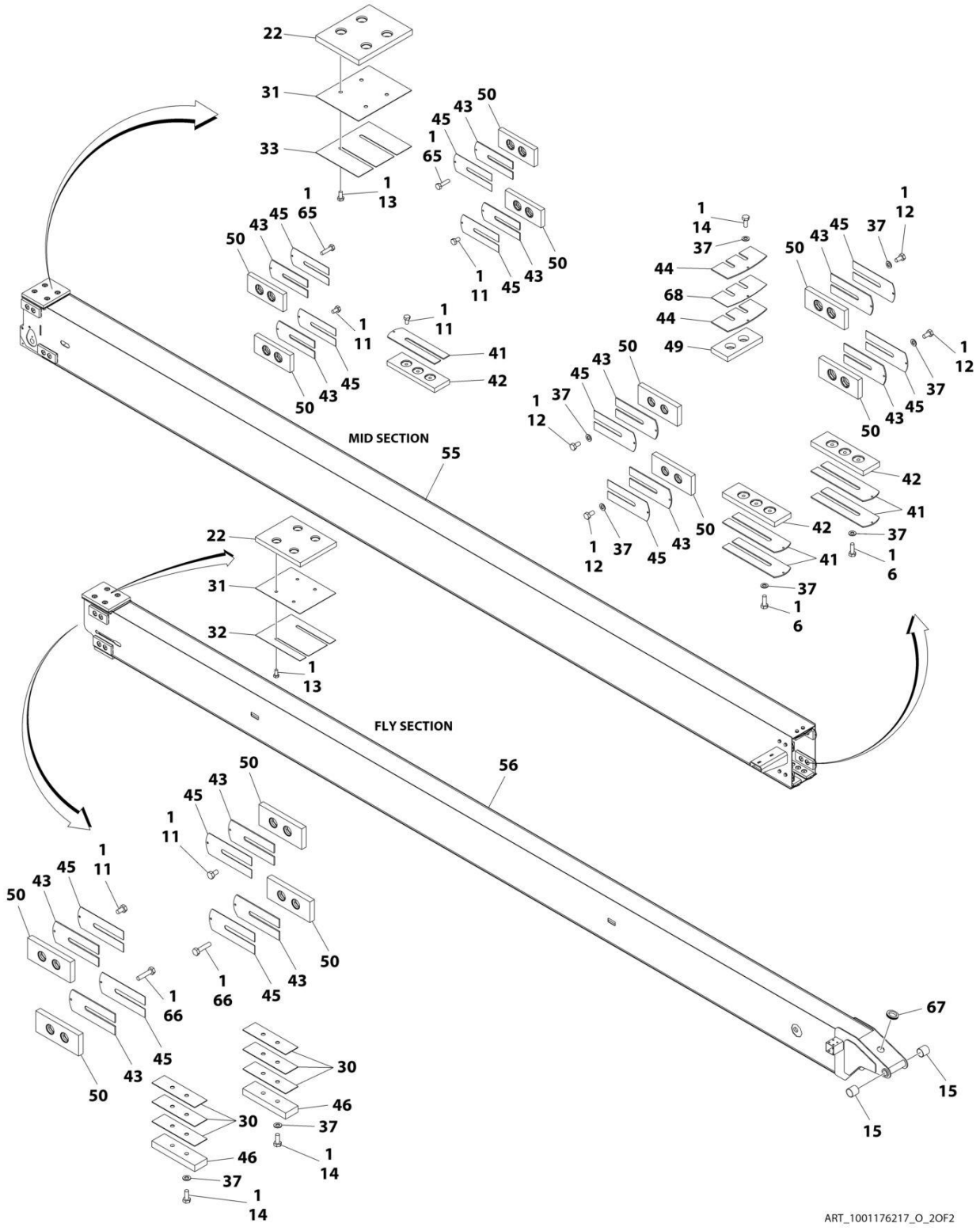

MID SECTION
FLY SECTION
ART_1001176217_O_2OF2

FIGURE 4-3. BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176217	Ref	BOOM ASSEMBLY	O
1	0100011	AR	Compound, Locking	
2	0561508	1	Block	
3	0760614	4	Bolt M6 x 30	
5	0701029	2	Bolt M10 x 120	
6	0701013	8	Bolt M10 x 28	
7	4032014	6	Capscrew M10 x 50	
9	4032020	6	Capscrew M10 x 80	
10	0701028	4	Bolt M10 x 110	
11	0761009	10	Bolt M10 x 18	
12	0761010	9	Bolt M10 x 20	
13	0761011	22	Bolt M10 x 22	
14	0761012	6	Bolt M10 x 25	
15	0961948	2	Bearing	
16	0962033	2	Bushing	
17	0962423	2	Bearing	
18	3291001	4	Nut M10	
19	3291601	1	Nut M16	
20	3292001	2	Nut M20	
21	3292201	1	Nut M22	
22	1001191385	2	Pad, Wear	
23	3422417	1	Pin	
24	3422424	2	Pin	
25	3539622	1	Cover	
26	3580243	2	Sheave, Retract	
26	0961951	2	Bushing (1 Per Sheave)	
27	3580248	1	Guard, Sheave (Extend)	
28	3580249	2	Guard, Sheave (Retract)	
29	3841143	1	Keeper, Pin	
30	4070895	6	Shim 16Ga	
31	4070896	2	Shim .06	
32	4070939	1	Shim 16Ga	
33	4070940	1	Shim 16Ga	
34	4092009	2	Setscrew M10 x 25	
35	4160149	1	Spring	
36	1001214831	1	Switch, Proximity	
37	4812000	38	Washer M10	
38	5241000	10	Washer M10	
39	1001135488	4	Block	
40	1001136571	12	Shim 16Ga	
41	1001136575	9	Shim 11Ga	
42	1001136583	5	Pad, Wear	
43	4070898	16	Shim, Wear Pad	
44	1001138436	4	Shim 11Ga	
45	4070897	16	Shim, Wear Pad	
46	1001148650	2	Pad, Wear	
47	1001191384	2	Pad, Wear	
49	1001136587	2	Pad, Wear	
50	1001153398	16	Pad, Wear	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	1001251079	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
52	1001175998	1	Rope, Wire (Extend)	
53	1001175999	2	Rope, Wire (Retract)	
54	1001176208	1	Base, Boom	
55	1001176212	1	Mid, Boom	
56	1001176216	1	Fly, Boom	
57	1001184913	2	Sheave, Extend	
57	1001184918	2	Bushing (1 per Sheave)	
57	1001184917	2	Sleeve, Bronze (1 per Sheave)	
57	1001184915	2	Ring, Retaining (1 per Sheave)	
58	1001186541	1	Block	
59	1001189859	1	Rope, Wire (Extend)	
60	1001191048	2	Sheave, Block	
61	1001191202	1	Block	
62	1001191205	6	Screw M10 x 40	
63	0761014	6	Bolt M10 x 30	
64	1001203719	4	Wellnut M6	
65	0761016	4	Bolt M10 x 40	
66	0761017	4	Bolt M10 x45	
67	4060805	6 in/ 16cm	Flex - Trim	
68	1001136590	2	Shim	
69	3291605	1	Nut M16	
70	3292005	2	Nut M20	
71	3292205	1	Nut M22	

FIGURE 4-4. JIB ASSEMBLY (Prior to SN 0300289956)

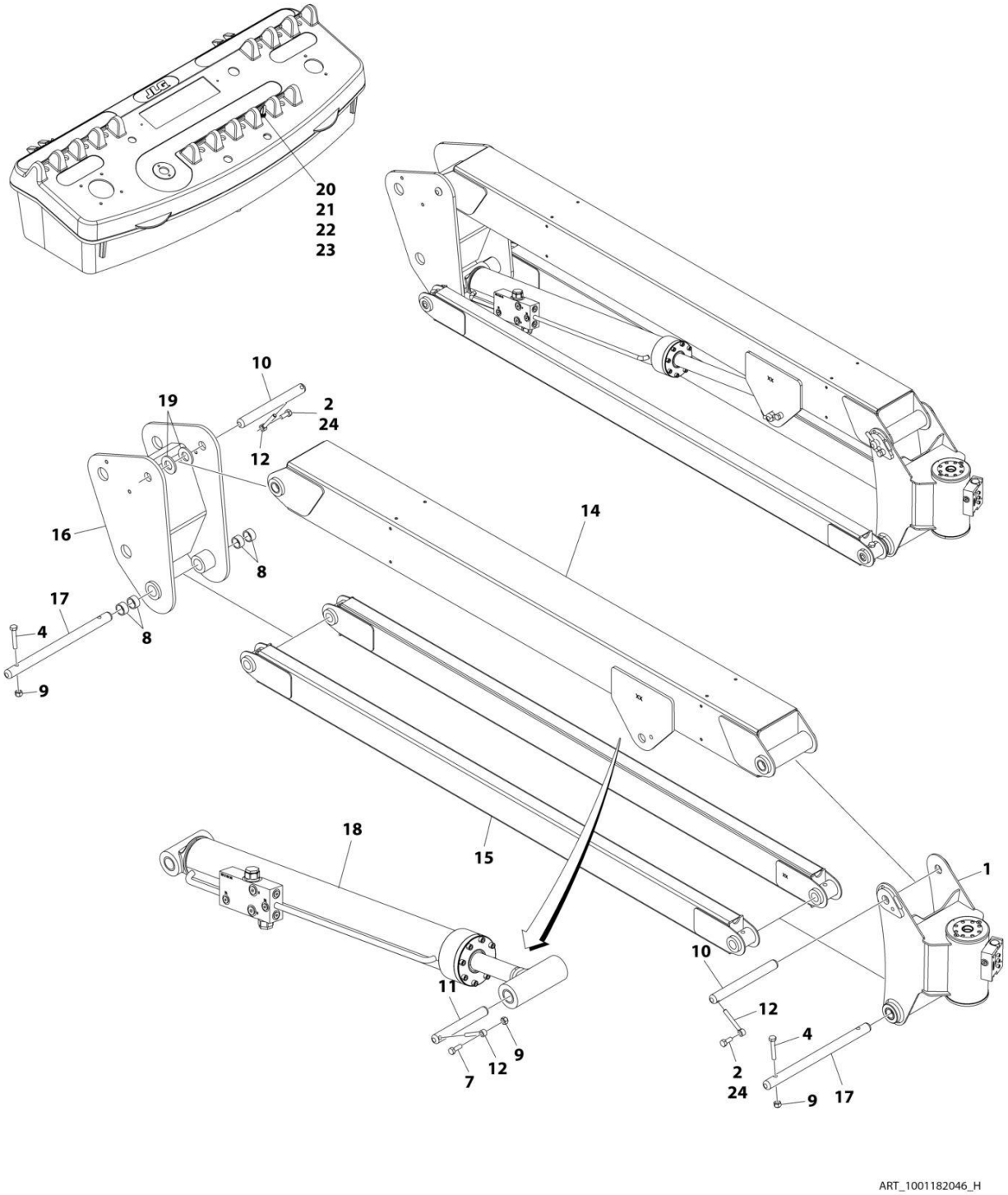


FIGURE 4-4. JIB ASSEMBLY (Prior to SN 0300289956)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182046	Ref	JIB ASSEMBLY	H
1	1001190580	1	Platform Rotator Assembly (See Separate Breakdown in this Section)	
2	0100011	AR	Compound, Locking	
4	0701020	4	Bolt M10 x 60	
7	0761014	1	Bolt M10 x 30	
8	0961947	4	Bearing	
9	3291005	1	Nut M10	
10	3422860	2	Pin	
11	3422867	1	Pin	
12	3841143	3	Keeper, Pin	
14	4844816	1	Tube, JIB	
14	0962335	4	Bushing	
15	4844817	2	Link	
16	1001181962	1	Pivot	
17	3422861	2	Pin	
18	1001228013	1	Lift Cylinder Assembly - JIB (See Separate Breakdown in CYLINDER Section)	
19	4740439	2	Washer	
20	3790012	1	O-Ring	
21	4740397	1	Spacer	
22	1001155044	1	Nut 15/32	
23	1001155045	1	Switch, Toggle	
24	0761012	2	Bolt M10 x 25	

FIGURE 4-5. JIB ASSEMBLY (SN 0300289956 to Present)

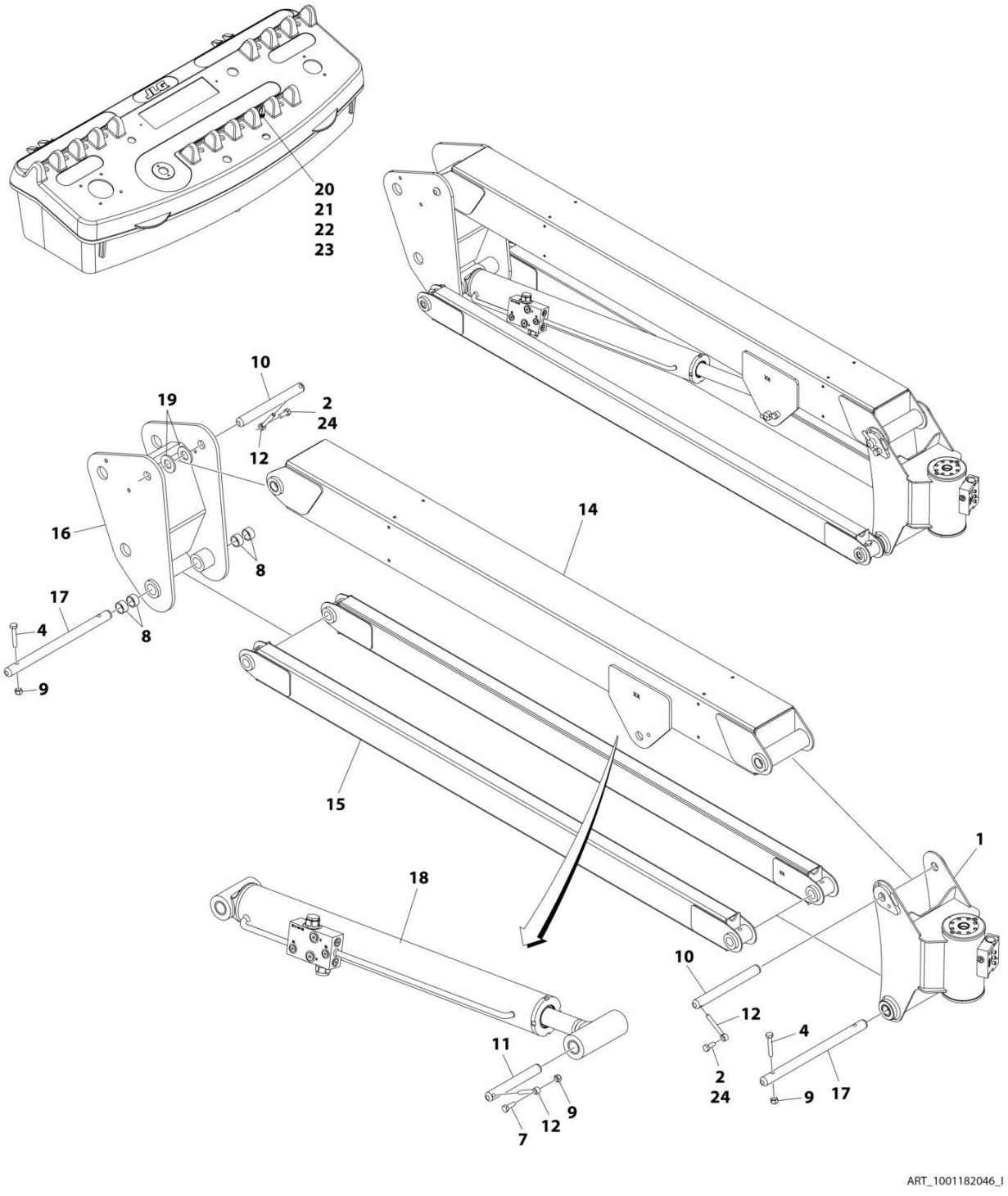


FIGURE 4-5. JIB ASSEMBLY (SN 0300289956 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182046	Ref	JIB ASSEMBLY	I
1	1001190580	1	Platform Rotator Assembly (See Separate Breakdown in this Section)	
2	0100011	AR	Compound, Locking	
4	0701020	4	Bolt M10 x 60	
7	0761014	1	Bolt M10 x 30	
8	0961947	4	Bearing	
9	3291005	1	Nut M10	
10	3422860	2	Pin	
11	3422867	1	Pin	
12	3841143	3	Keeper, Pin	
14	4844816	1	Tube, JIB	
14	0962335	4	Bushing	
15	4844817	2	Link	
16	1001181962	1	Pivot	
17	3422861	2	Pin	
18	1001251013	1	Lift Cylinder Assembly - JIB (See Separate Breakdown in CYLINDER Section)	
19	4740439	2	Washer	
20	3790012	1	O-Ring	
21	4740397	1	Spacer	
22	1001155044	1	Nut 15/32	
23	1001155045	1	Switch, Toggle	
24	0761012	2	Bolt M10 x 25	

FIGURE 4-6. PLATFORM ROTATOR ASSEMBLY

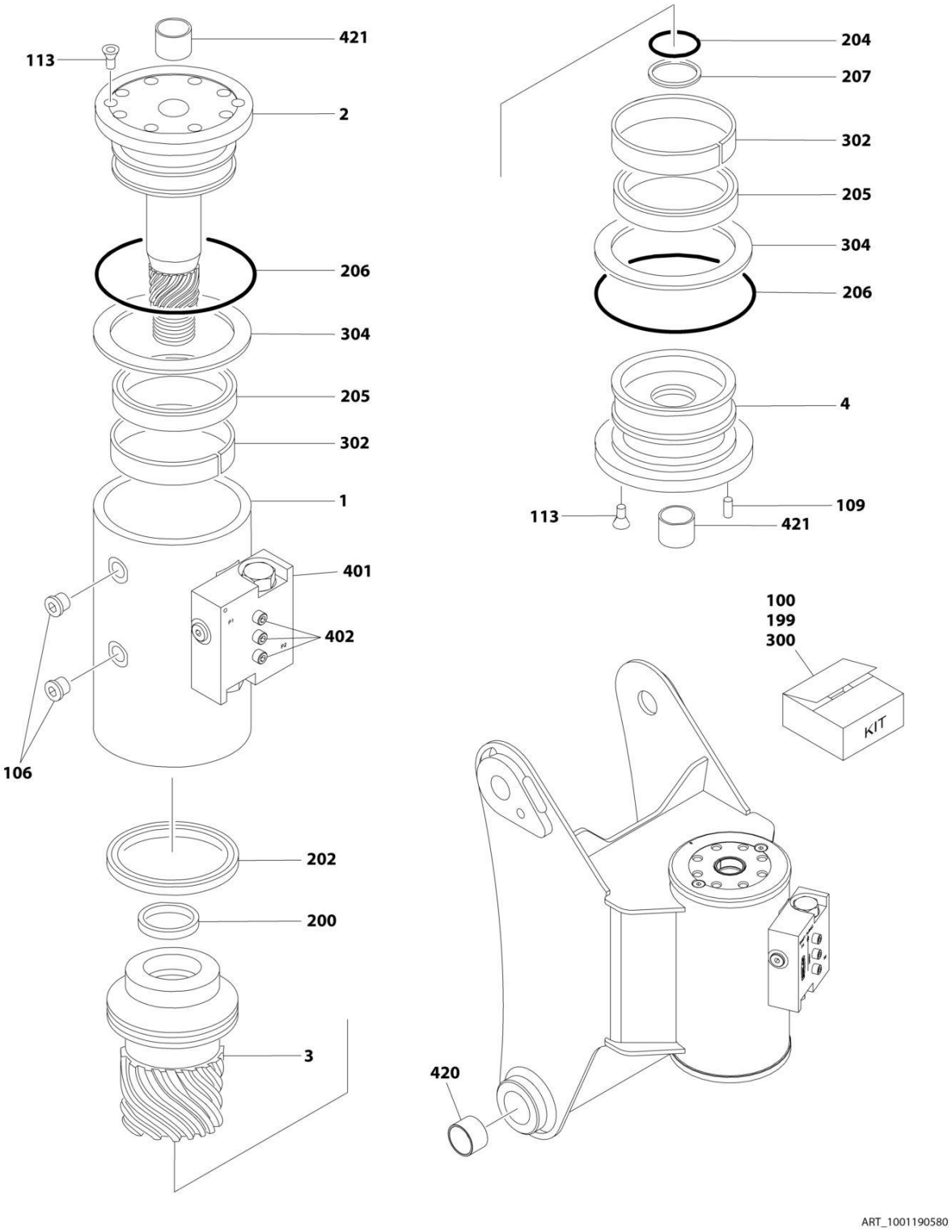


FIGURE 4-6. PLATFORM ROTATOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190580	Ref	PLATFORM ROTATOR ASSEMBLY	F
1	See Note	NSS	Housing/Ring Gear (Note: Purchase Complete Assembly)	
2	7017162	1	Shaft	
3	7017163	1	Piston	
4	7017164	1	Cap	
100	7017142	1	Hardware Kit (Includes Items 106-109)	
106	See Note	NSS	Plug (Note: Use Item 100)	
109	See Note	NSS	Pin, Dowel (Note: Use Item 100)	
113	70001697	6	Screw 1/4 x 3/8	
199	70000342	1	Seal Kit - Low Temperature (Includes Items 200-207)	
200	See Note	NSS	T-Seal (Note: Use Item 199)	
202	See Note	NSS	T-Seal (Note: Use Item 199)	
204	See Note	NSS	O-Ring (Note: Use Item 199)	
205	See Note	NSS	Seal (Note: Use Item 199)	
206	See Note	NSS	Ring, Back-up (Note: Use Item 199)	
207	See Note	NSS	Ring, Back-up (Note: Use Item 199)	
300	7017159	1	Bearing Kit (Includes Items 302-304)	
302	See Note	NSS	Bearing (Note: Use Item 300)	
304	See Note	NSS	Washer, Thrust (Note: Use Item 300)	
401	7017172	1	Valve, Control (Note: Sold as Assembly Only)	
401	7017192	2	Cartridge, Valve - Counterbalance (Seal Kit Not Available)	
401	See Note	1	Cartridge, Valve - Check (Seal Kit Not Available) (Note: Use p/n 7017172)	
402	See Note	NSS	Bolt 1/4 x 1-1/2 Grade 8 (Note: Purchase Locally)	
420	0961947	2	Bushing	
421	7017195	1	Bushing	

FIGURE 4-7. POWER TRACK INSTALLATION

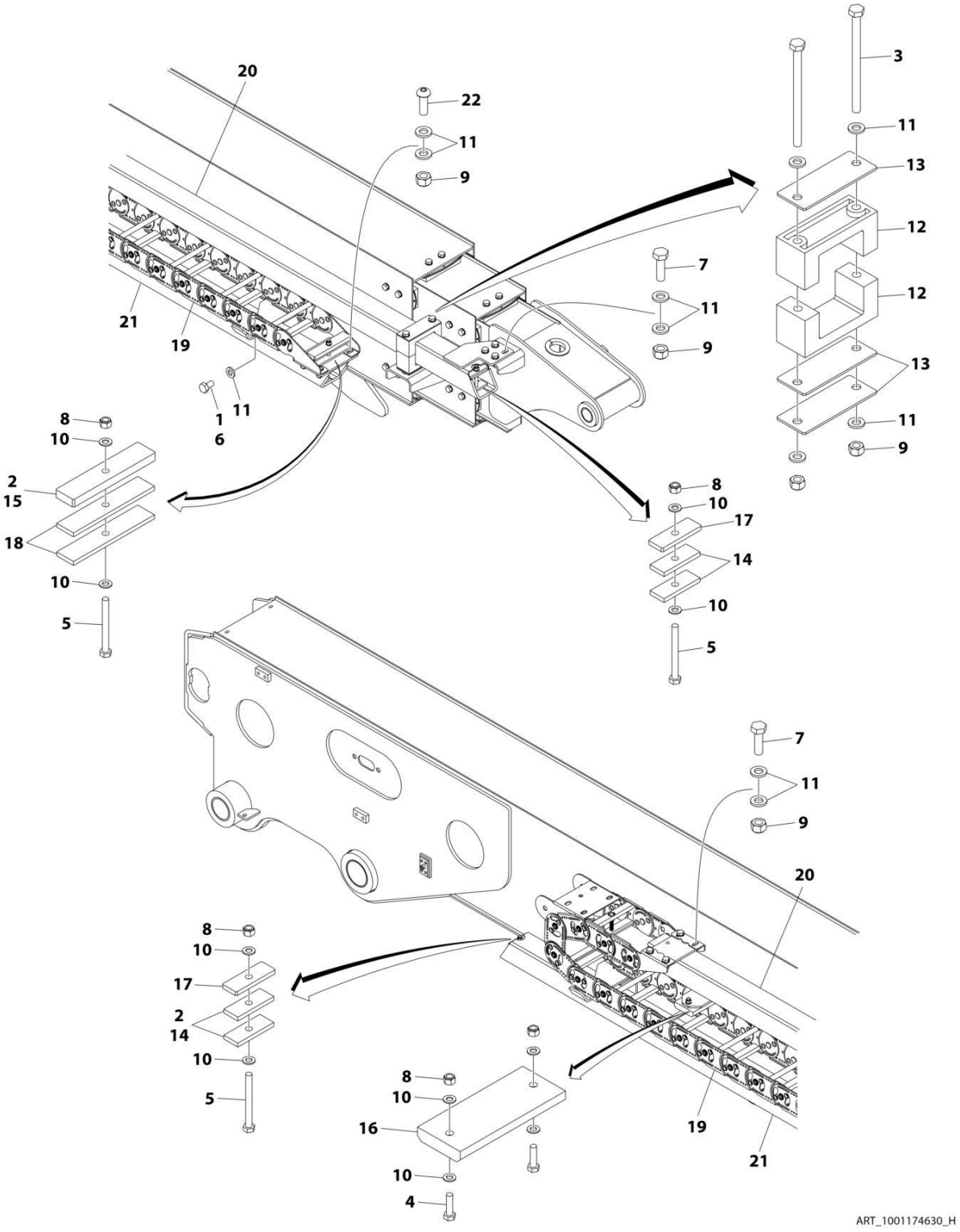


FIGURE 4-7. POWER TRACK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174630	Ref	POWER TRACK INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0701032	2	Bolt M10 x 150	
4	0760814	2	Bolt M8 x 30	
5	0700823	3	Bolt M8 x 75	
6	0761009	8	Bolt M10 x 18	
7	0761015	8	Bolt M10 x 35	
8	3290805	5	Nut M8	
9	3291005	14	Nut M10	
10	4811900	10	Washer M8	
11	5241000	36	Washer M10	
12	3340764	2	Pad	
13	1001136400	AR	Plate	
14	1001136402	4	Pad	
15	1001136461	1	Plate	
16	3340787	1	Pad, Wear	
17	1001139078	2	Plate	
18	1001151192	2	Pad	
19	1001174631	1	Powertrack Assembly	
19	70005683	AR	Repair Section - Power Track	
19	70005684	1	Mounting Kit - Power Track (Includes Mounting Feet and Hardware)	
20	1001174632	1	Tube, Push	
21	1001174636	1	Support	
22	1001174673	4	Screw M10 x 30	

FIGURE 4-8. BOOM VALVES INSTALLATION

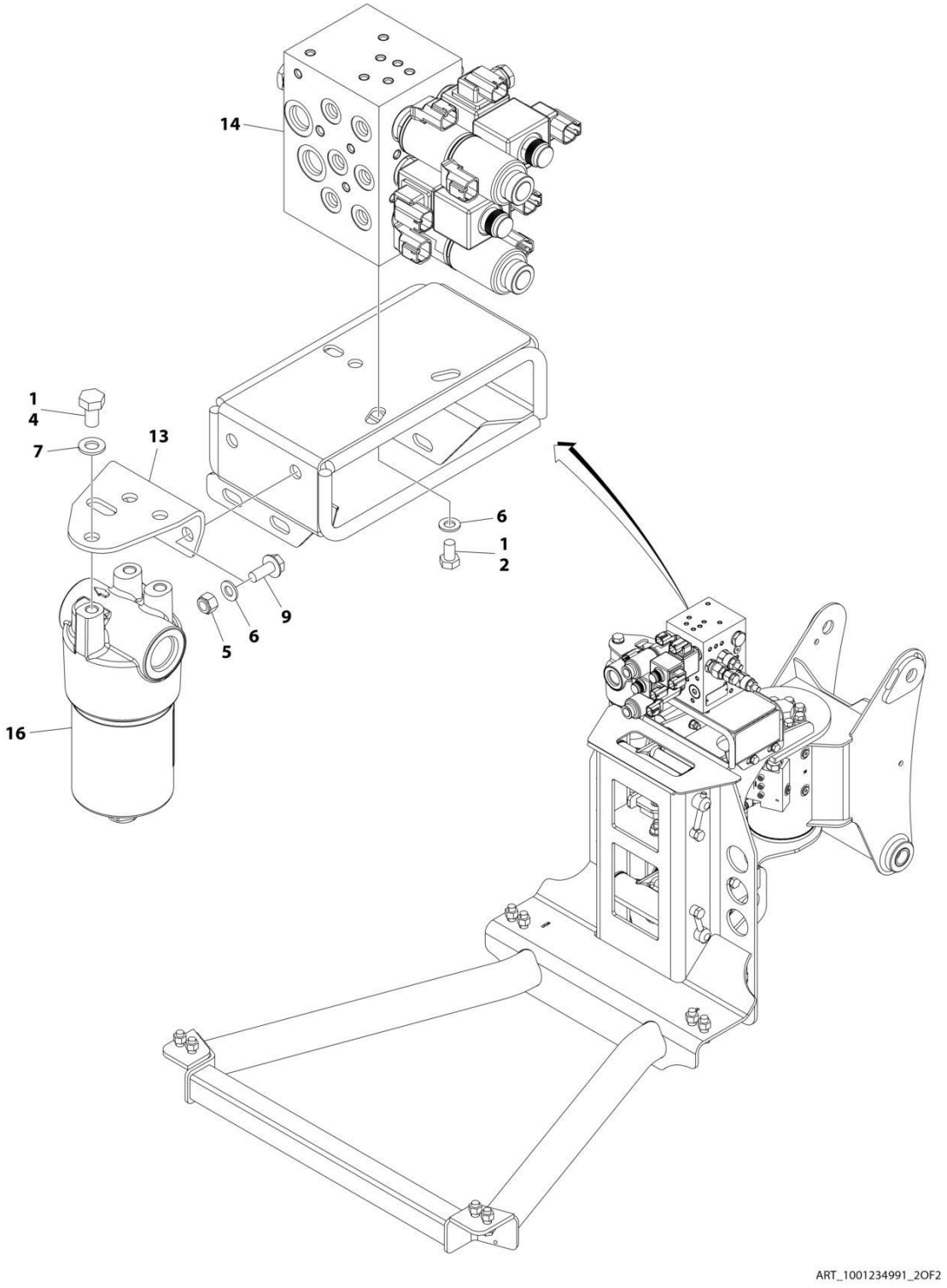


FIGURE 4-8. BOOM VALVES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234991	Ref	BOOM VALVES INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0760807	3	Bolt M8 x 14	
4	0761009	3	Bolt M10 x 18	
5	3290805	2	Nut M8	
6	4811900	5	Washer M8	
7	4812000	3	Washer M10	
9	5250810	2	Bolt M8 x 20	
13	1001188302	1	Plate	
14	1001190286	1	Platform Valve Assembly (See Separate Breakdown in this Section)	
16	1001201511	1	Filter, High Pressure	
16	70005335	1	Element, Filter	
16	70005682	1	Repair Kit (Includes Element O-Ring, Bowl O-Ring & Back-up Ring)	

FIGURE 4-9. PLATFORM VALVE ASSEMBLY

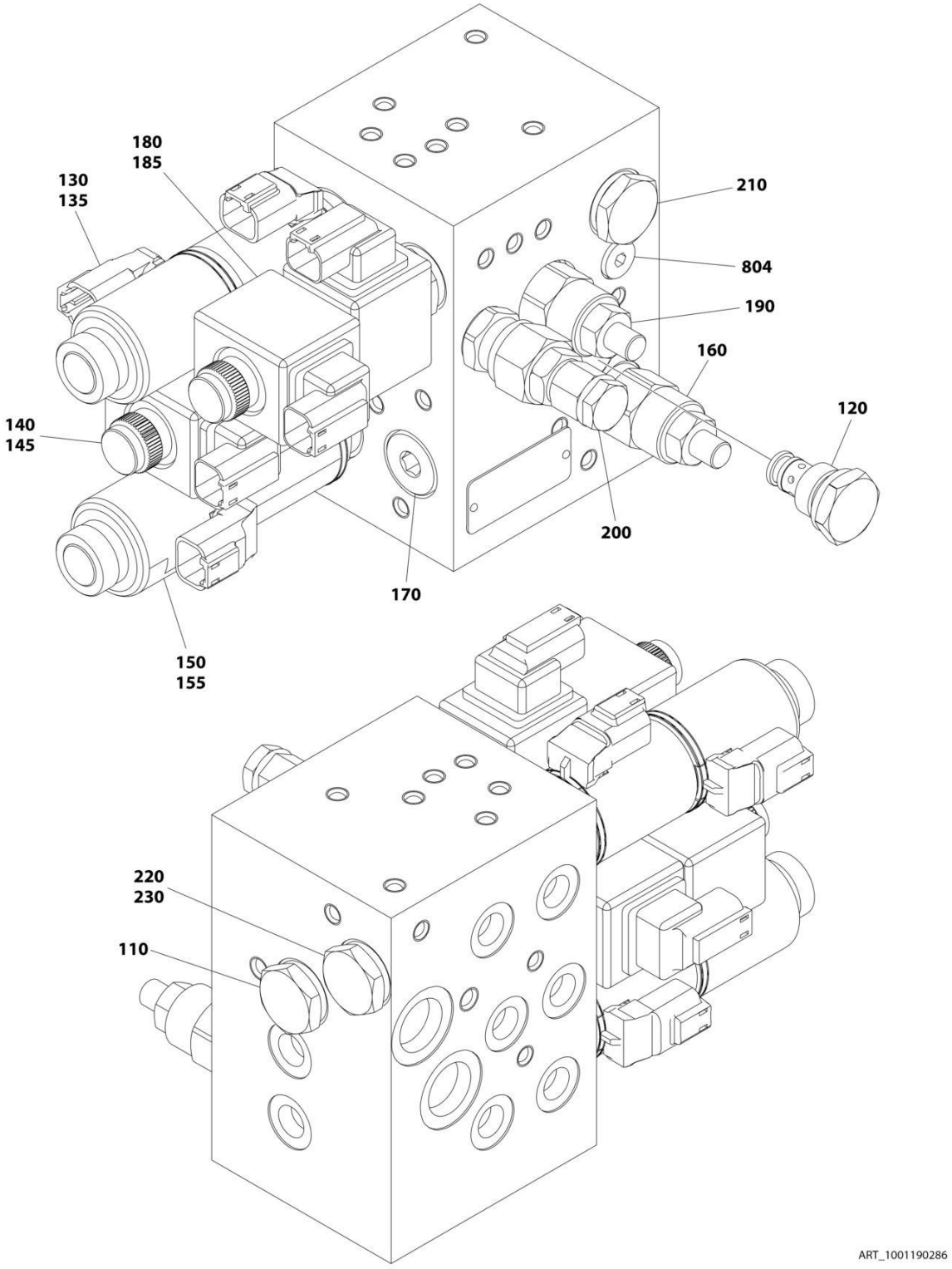


FIGURE 4-9. PLATFORM VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190286	Ref	PLATFORM VALVE ASSEMBLY	D
110	70005951	1	Valve, Check	
110	70004052	1	Seal Kit - 70005951 Valve	
120	70003027	1	Valve, Flow/Pressure Control	
120	70004052	1	Seal Kit - 70003027 Valve	
130	70006121	1	Valve, Solenoid (Platform Level)	
130	70006116	1	Seal Kit - 70006121 Valve	
135	70006122	2	Coil	
140	70005627	1	Valve, Solenoid (Platform Swing)	
140	70004053	1	Seal Kit - 70005627 Valve	
140	70006123	1	Coil Nut & Pole Tube O-Ring Kit	
145	70004653	2	Coil	
150	70006121	1	Valve, Solenoid (JIB Up/Down)	
150	70006116	1	Seal Kit - 70006121 Valve	
155	70006122	2	Coil	
160	70003019	1	Valve, Relief	
160	70004052	1	Seal Kit - 70003019 Valve	
170	70004613	1	Valve, Relief	
170	70023860	1	Seal Kit - 70004613 Valve	
180	70006124	1	Valve, Solenoid	
180	70023862	1	Seal Kit - 70006124 Valve	
180	70006123	1	Coil Nut & Pole Tube O-Ring Kit	
185	70004653	2	Coil	
190	70003019	1	Valve, Relief	
190	70004052	1	Seal Kit - 70003019 Valve	
200	70006125	1	Valve, Relief	
200	70006126	1	Seal Kit - 70006125 Valve	
210	70005952	1	Valve, Check	
210	70004052	1	Seal Kit - 70003019 Valve	
220	7022524	1	Orifice 0.5mm	
230	70005952	1	Valve, Check	
230	70004052	1	Seal Kit - 70005952 Valve	
804	70005200	1	Plug	

FIGURE 4-10. BOOM SENSORS INSTALLATION (Prior to SN 0300275371)

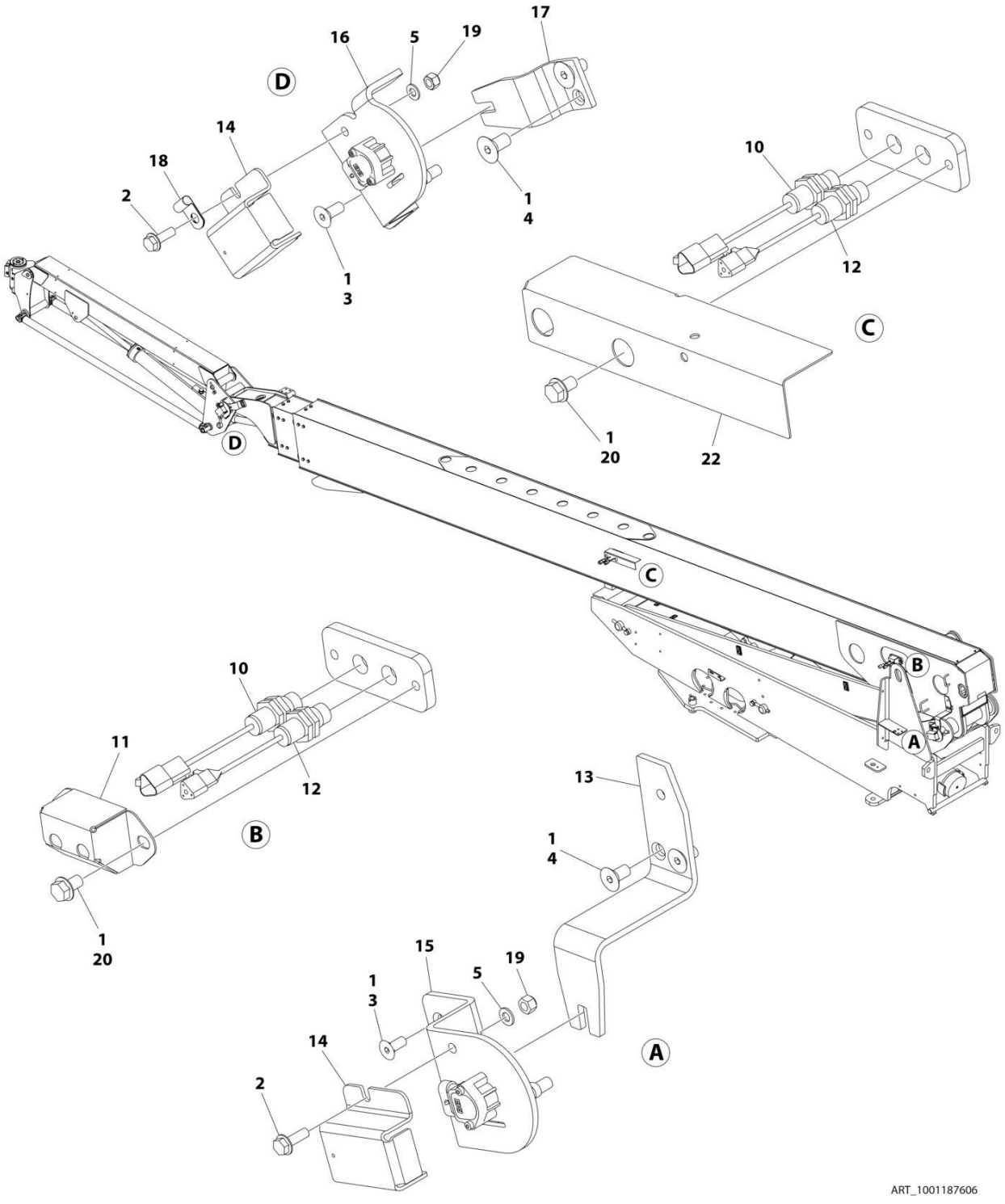


FIGURE 4-10. BOOM SENSORS INSTALLATION (Prior to SN 0300275371)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187606	Ref	BOOM SENSORS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	5250812	2	Bolt M8 x 25	
3	1001137125	4	Screw M8 x 20	
4	1001155441	4	Screw M10 x 20 Grade 10.9	
5	4811900	2	Washer M8	
10	1001170847	2	Sensor, Proximity	
11	1001204715	1	Bracket	
12	1001182570	2	Sensor, Proximity	
13	1001211585	1	Plate	
14	1001211588	2	Shield	
15	1001211577	1	Sensor (Lower)	
15	4010303	1	Screw Posi-drive M3 x 6	
15	1001204939	1	Sensor, Angle	
15	1001211580	1	Bracket	
15	1001211582	1	Link, Angle Sensor Arm	
16	1001211579	1	Sensor (Upper)	
16	4010303	1	Screw Posi-drive M3 x 6	
16	1001191020	1	Sensor, Angle	
16	1001211581	1	Bracket	
16	1001211584	1	Link, Angle Sensor Arm	
17	1001211587	1	Plate	
18	8406003	1	Clip	
19	3290805	2	Nut M8	
20	5251008	4	Bolt M10 x 16	
21	4240033	2	Tie-Strap (Not Shown)	
22	1001227792	1	Plate	

FIGURE 4-11. BOOM SENSORS INSTALLATION (SN 0300275371 to Present)

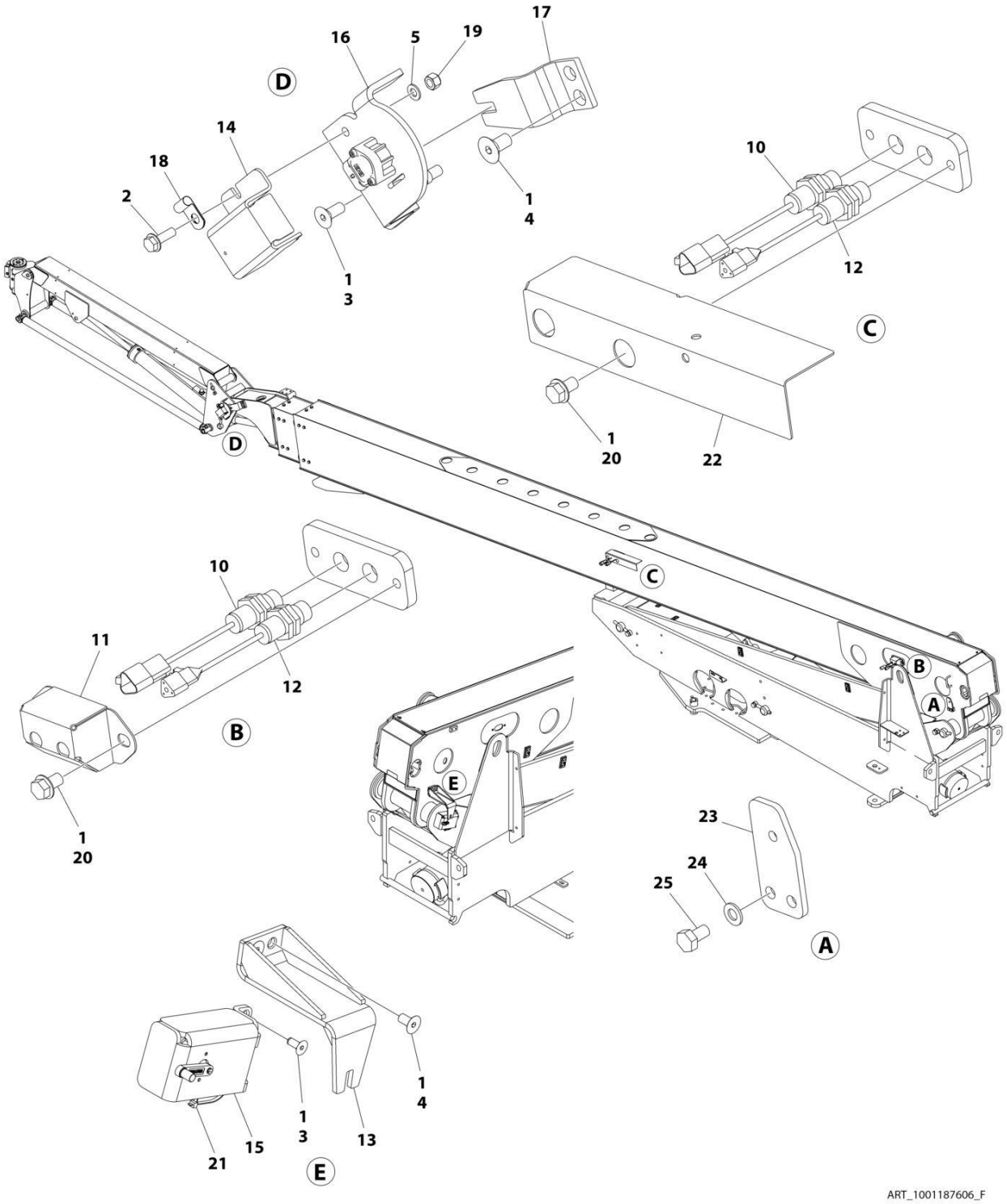


FIGURE 4-11. BOOM SENSORS INSTALLATION (SN 0300275371 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187606	Ref	BOOM SENSORS INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	5250812	1	Bolt M8 x 25	
3	1001137125	4	Screw M8 x 20	
4	1001155441	4	Screw M10 x 20 Grade 10.9	
5	4811900	1	Washer M8	
10	1001170847	2	Sensor, Proximity	
11	1001204715	1	Bracket	
12	1001182570	2	Sensor, Proximity	
13	1001272835	1	Plate	
14	1001211588	1	Shield	
15	1001277991	1	Sensor (Lower)	
15	4010303	1	Screw Posi-drive M3 x 6	
15	1001204939	1	Sensor, Angle	
15	1001273619	1	Bracket	
15	1001211582	1	Link, Angle Sensor Arm	
16	1001211579	1	Sensor (Upper)	
16	4010303	1	Screw Posi-drive M3 x 6	
16	1001191020	1	Sensor, Angle	
16	1001211581	1	Bracket	
16	1001211584	1	Link, Angle Sensor Arm	
17	1001211587	1	Plate	
18	8406003	1	Clip	
19	3290805	1	Nut M8	
20	5251008	4	Bolt M10 x 16	
21	4240033	2	Tie-Strap (Not Shown)	
22	1001227792	1	Plate	
23	1001278387	1	Plate	
24	4812000	2	Washer M10	
25	0761009	2	Bolt M10 x 18	

FIGURE 4-12. PLATFORM SUPPORT INSTALLATION

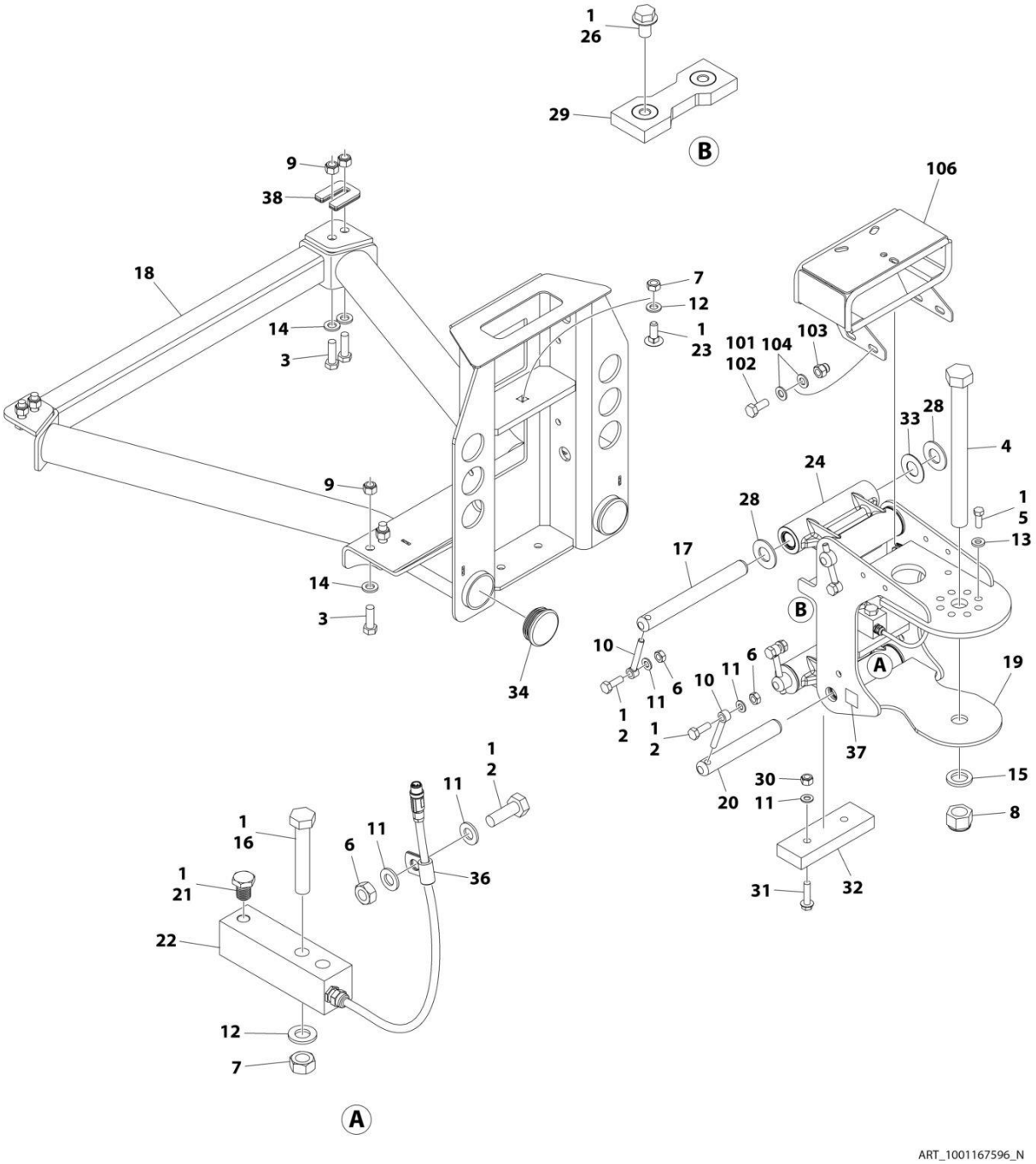


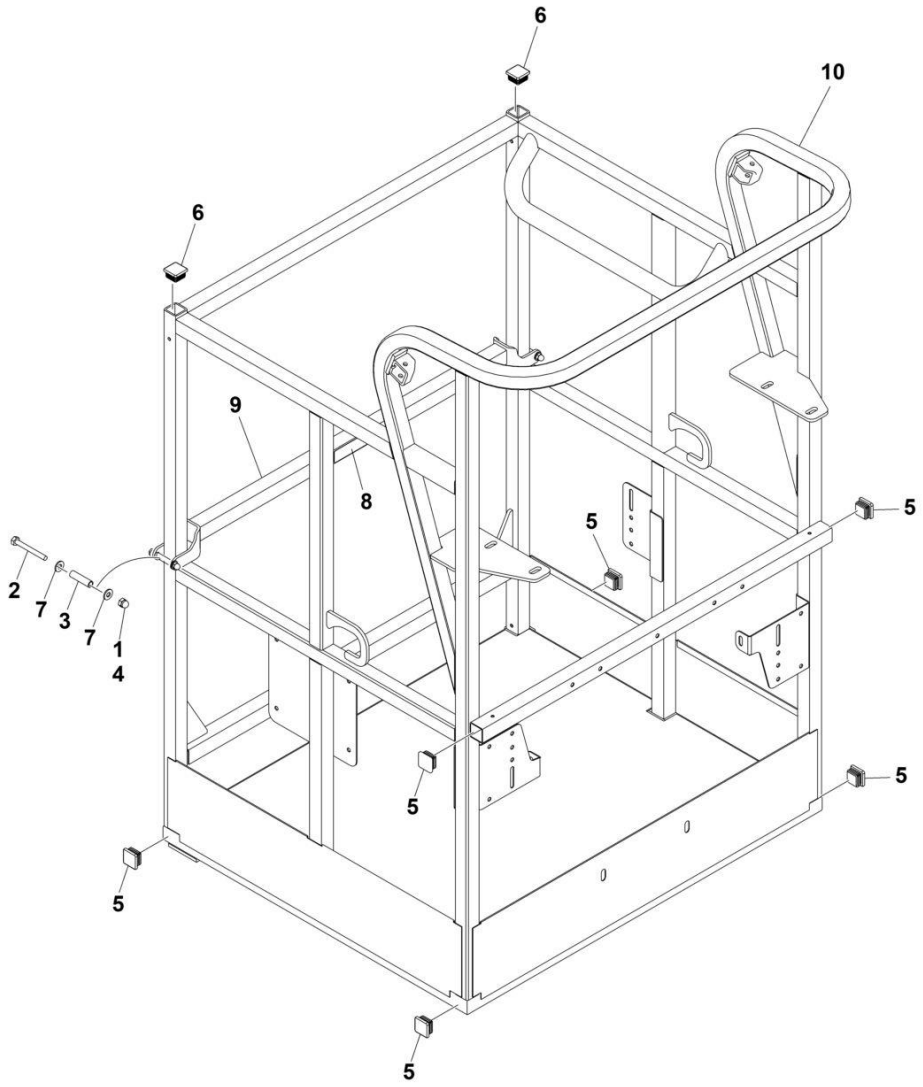
FIGURE 4-12. PLATFORM SUPPORT INSTALLATION

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	

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

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



ART_1001228215

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

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

FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH SWING GATE

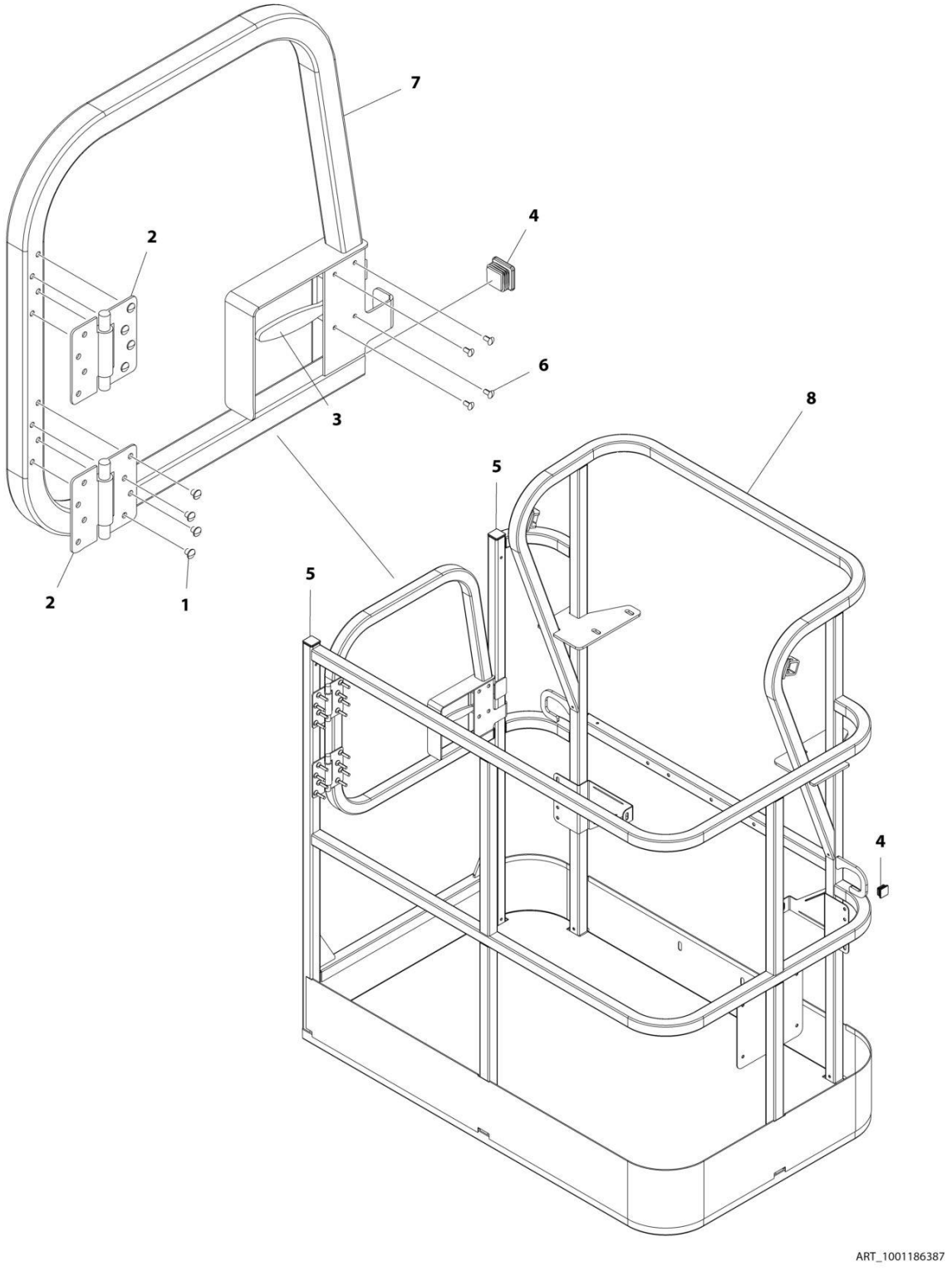


FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH SWING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186387	Ref	PLATFORM ASSEMBLY	C
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge, Self-Closing	
3	2940074	1	Latch	
4	3520072	3	Plug	
5	3520198	2	Plug	
6	3820020	4	Rivet	
7	1001144629	1	Gate	
8	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

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

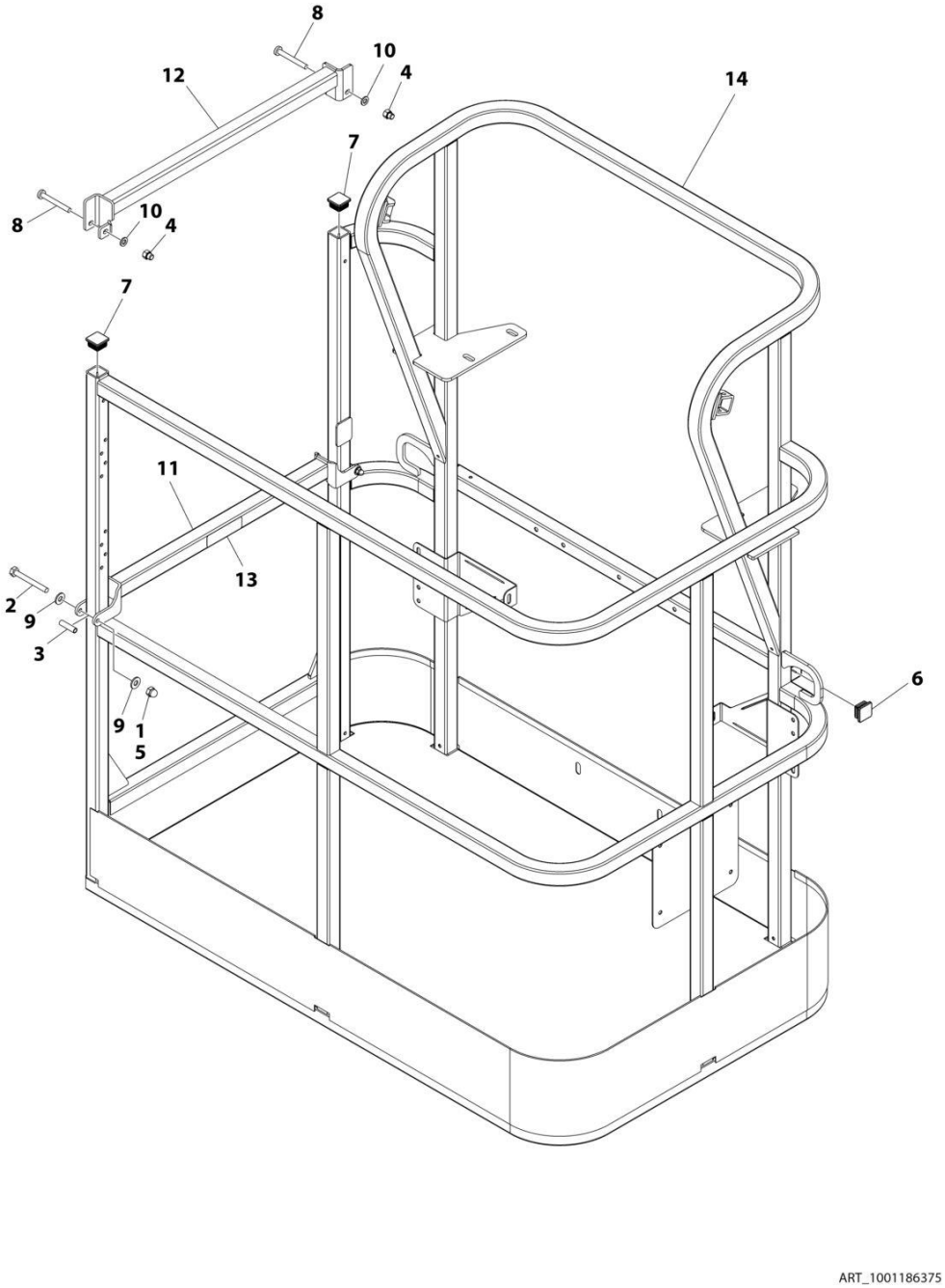


FIGURE 5-3. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH DROP BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186375	Ref	PLATFORM ASSEMBLY	B
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	3520072	2	Plug	
7	3520198	2	Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	1	Bar, Drop	
12	1001138514	1	Rail - Top	
13	1001140429	1	Decal - Drop Bar	
14	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) WITH SWING GATE

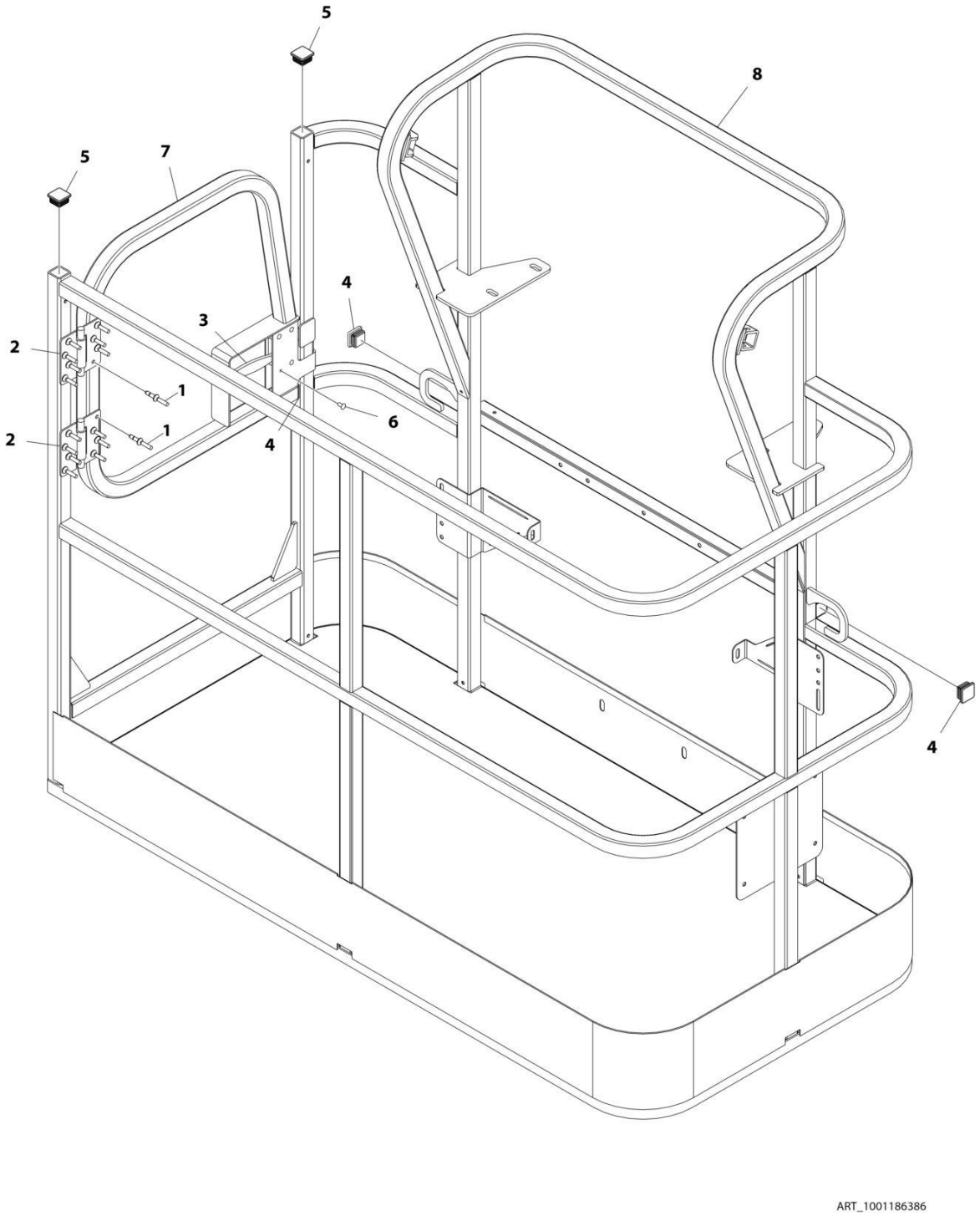


FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) WITH SWING GATE

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

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

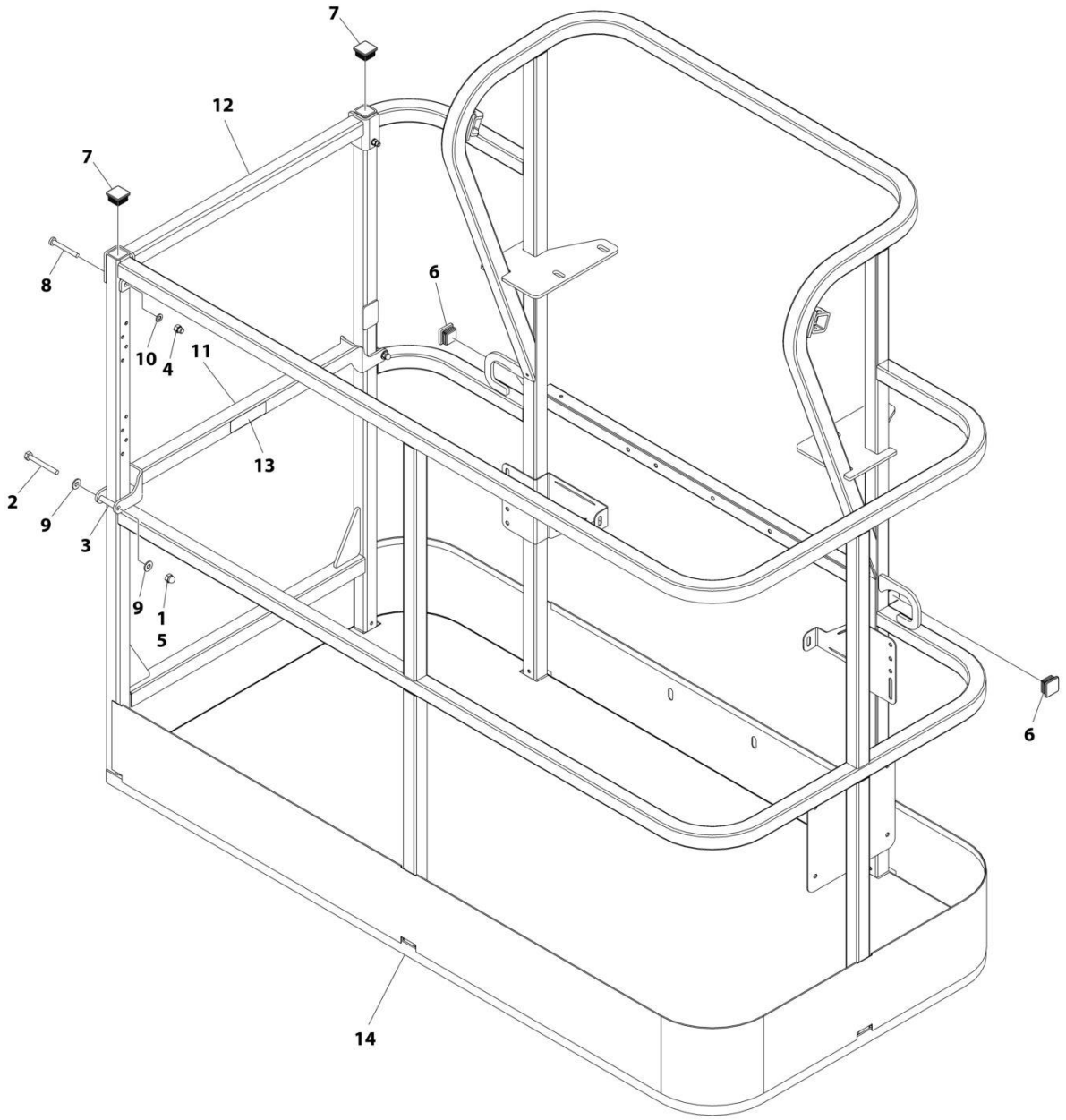


FIGURE 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) WITH DROP BAR

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

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

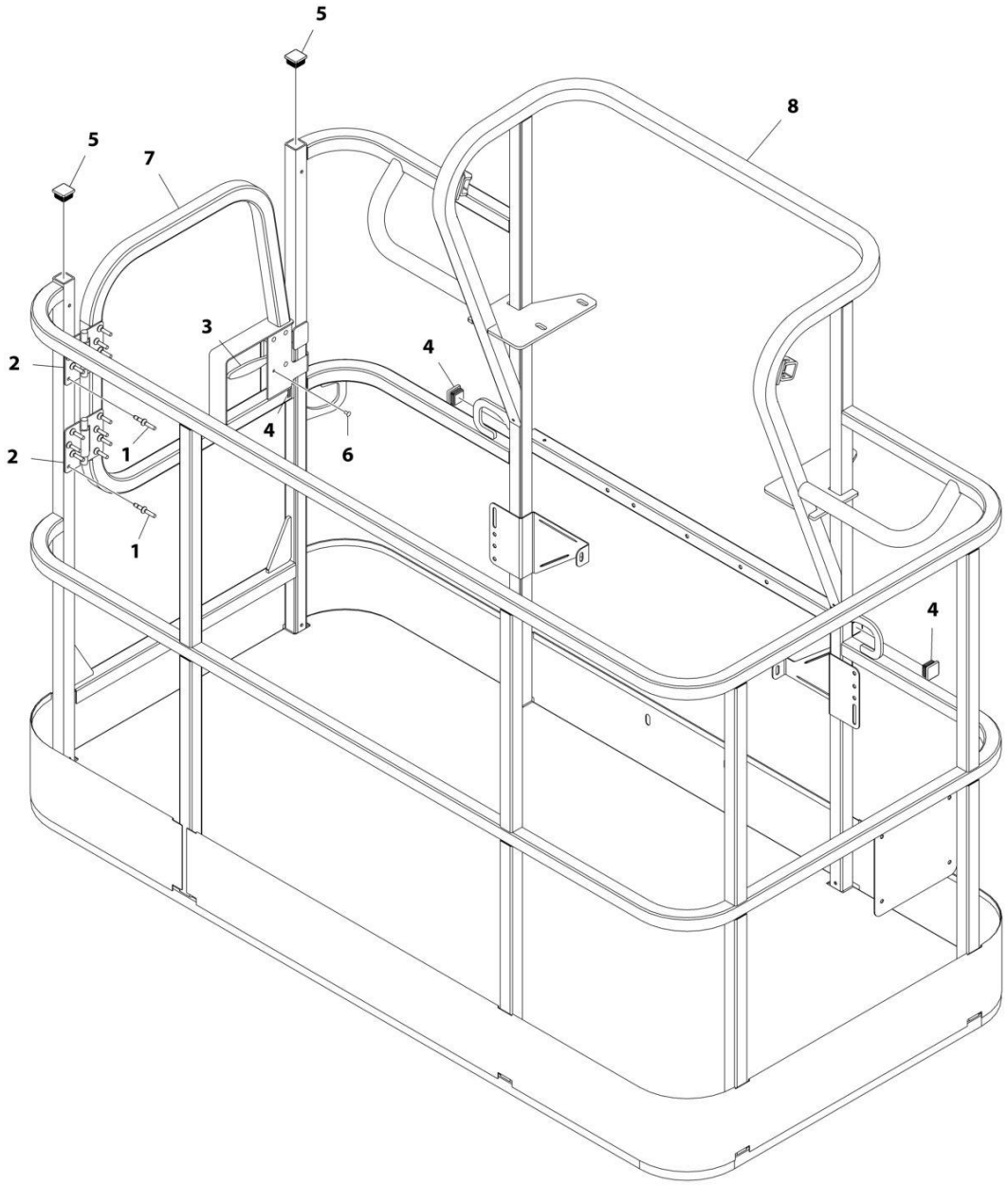


FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE

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

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

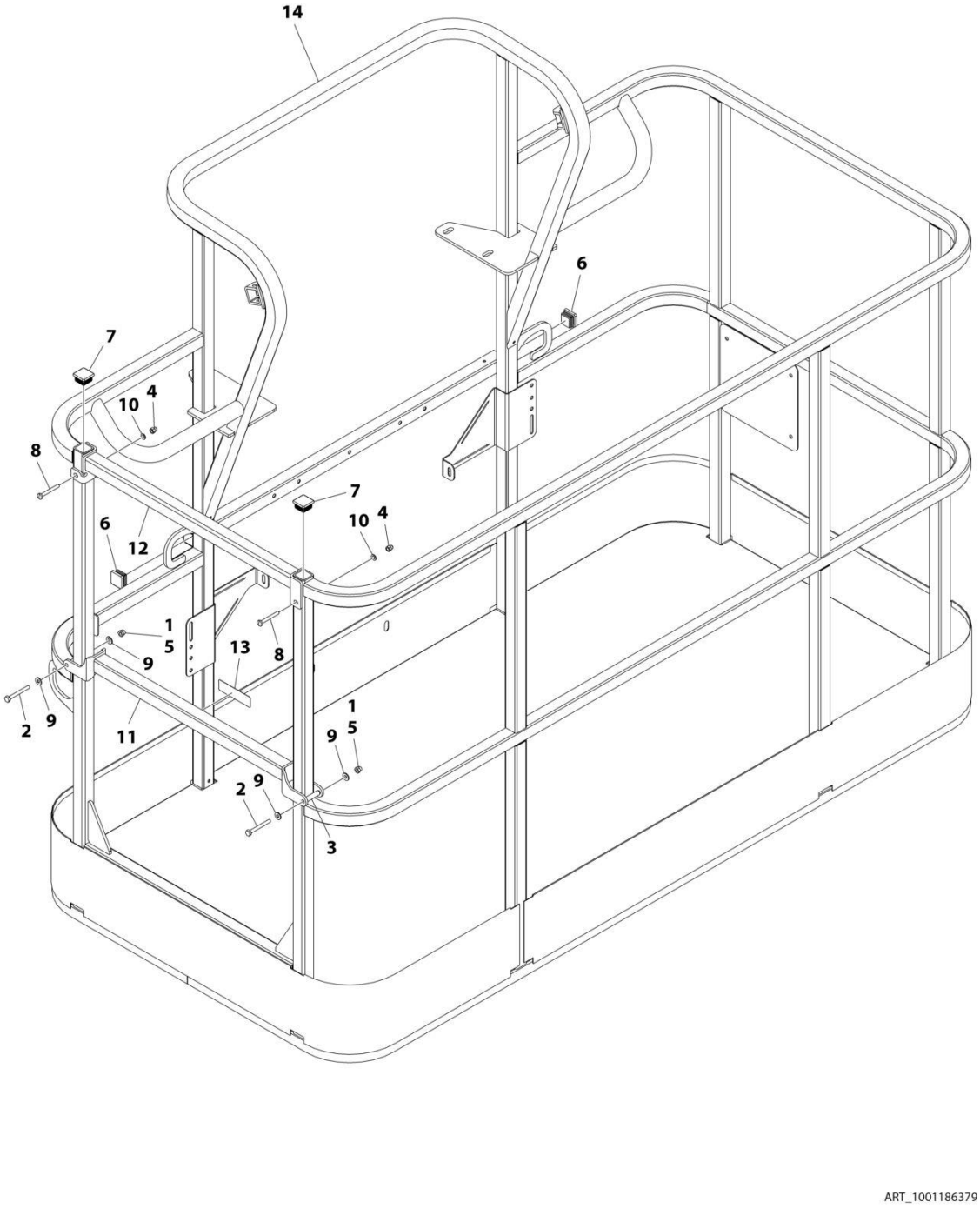


FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR

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

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

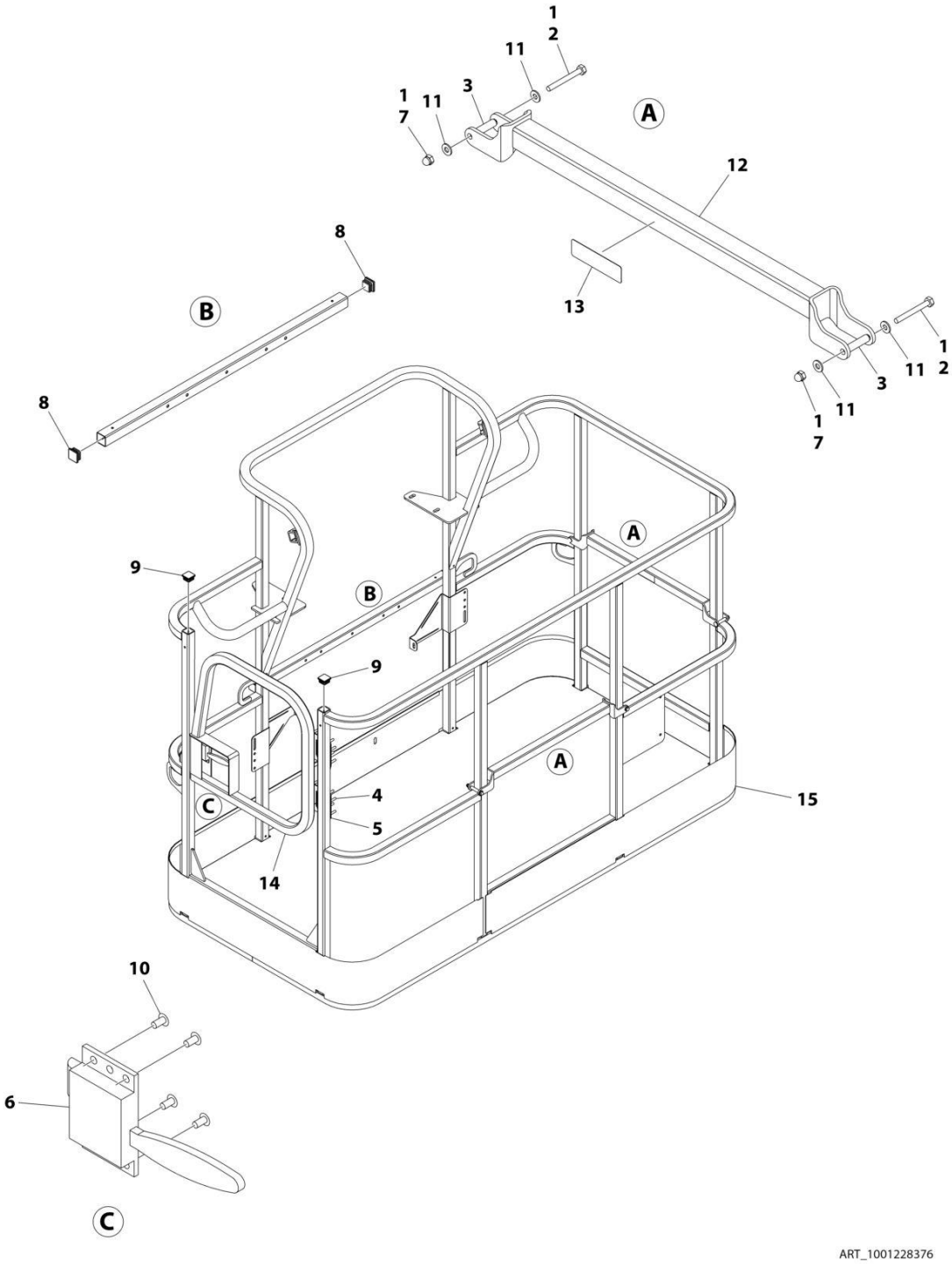


FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

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

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

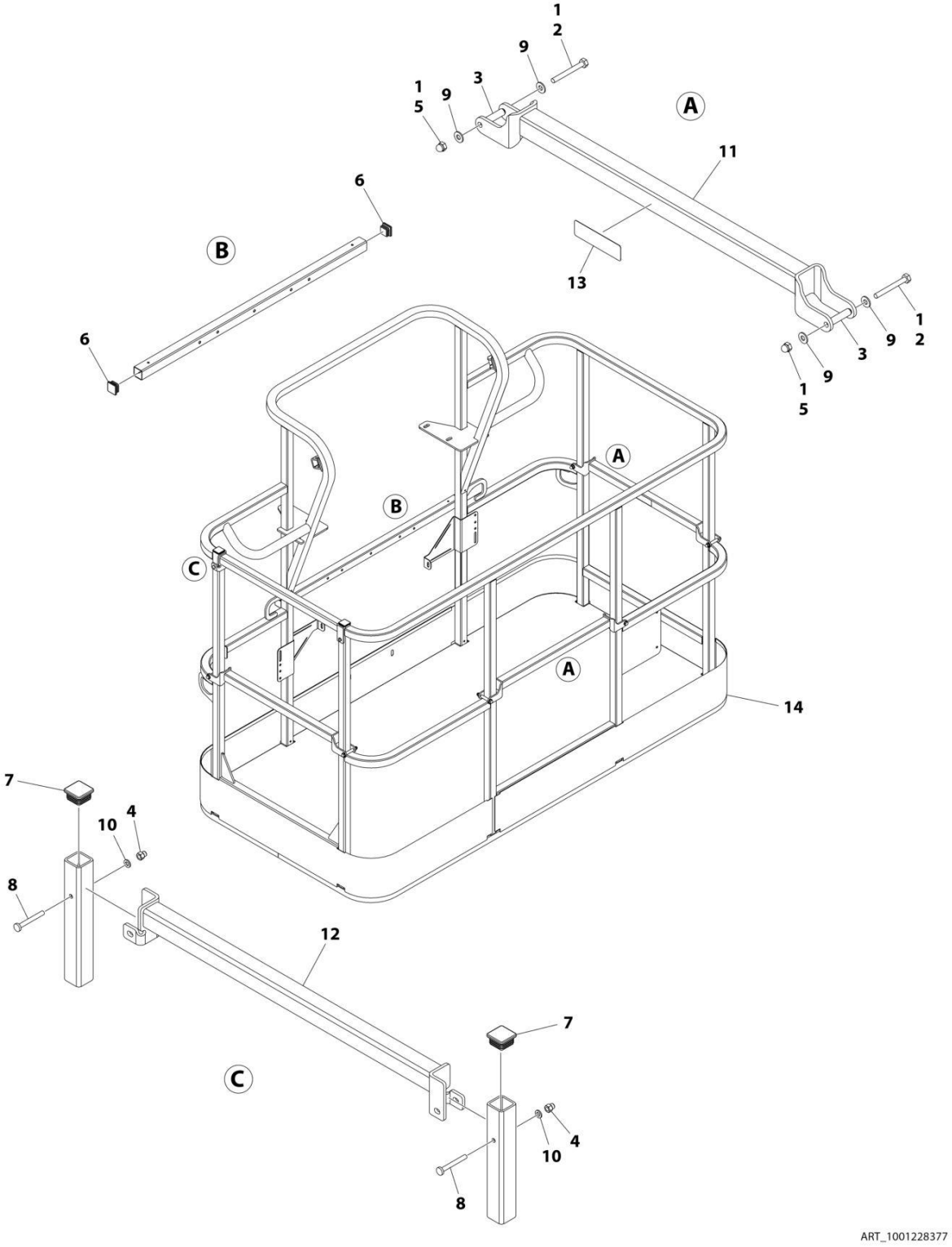


FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROP BAR

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 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE

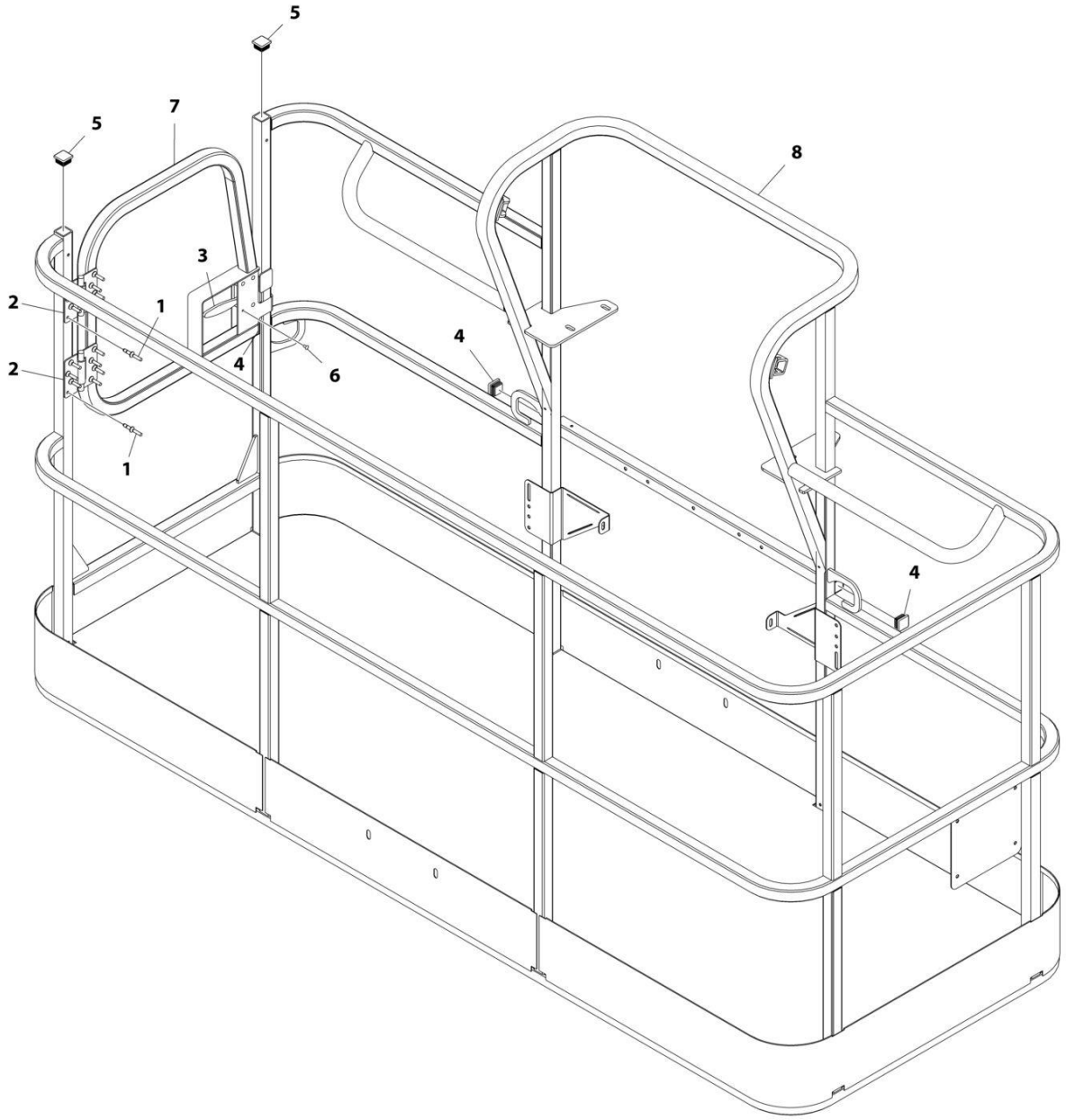


FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE

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

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

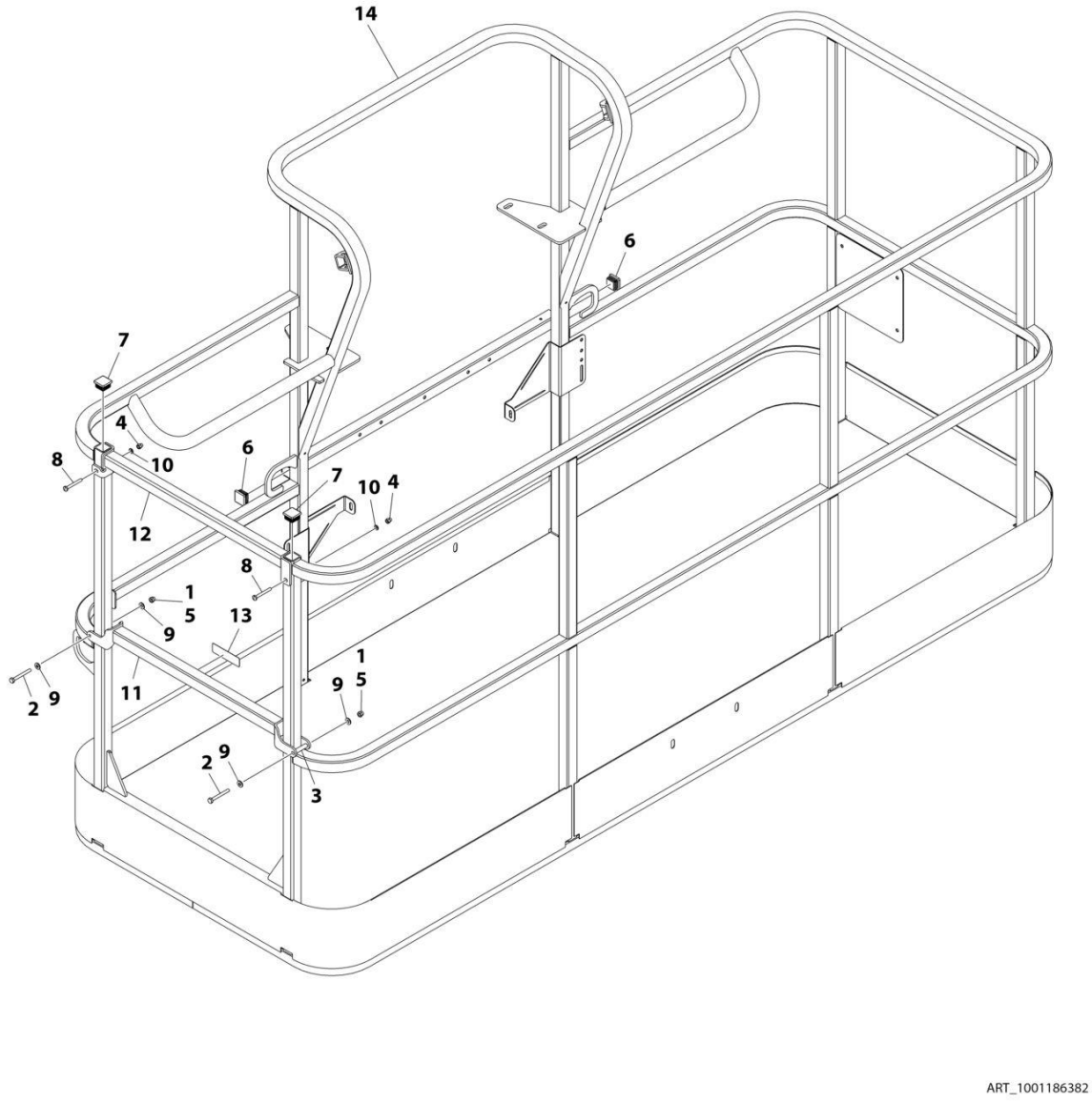


FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR

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

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FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH SWING GATE

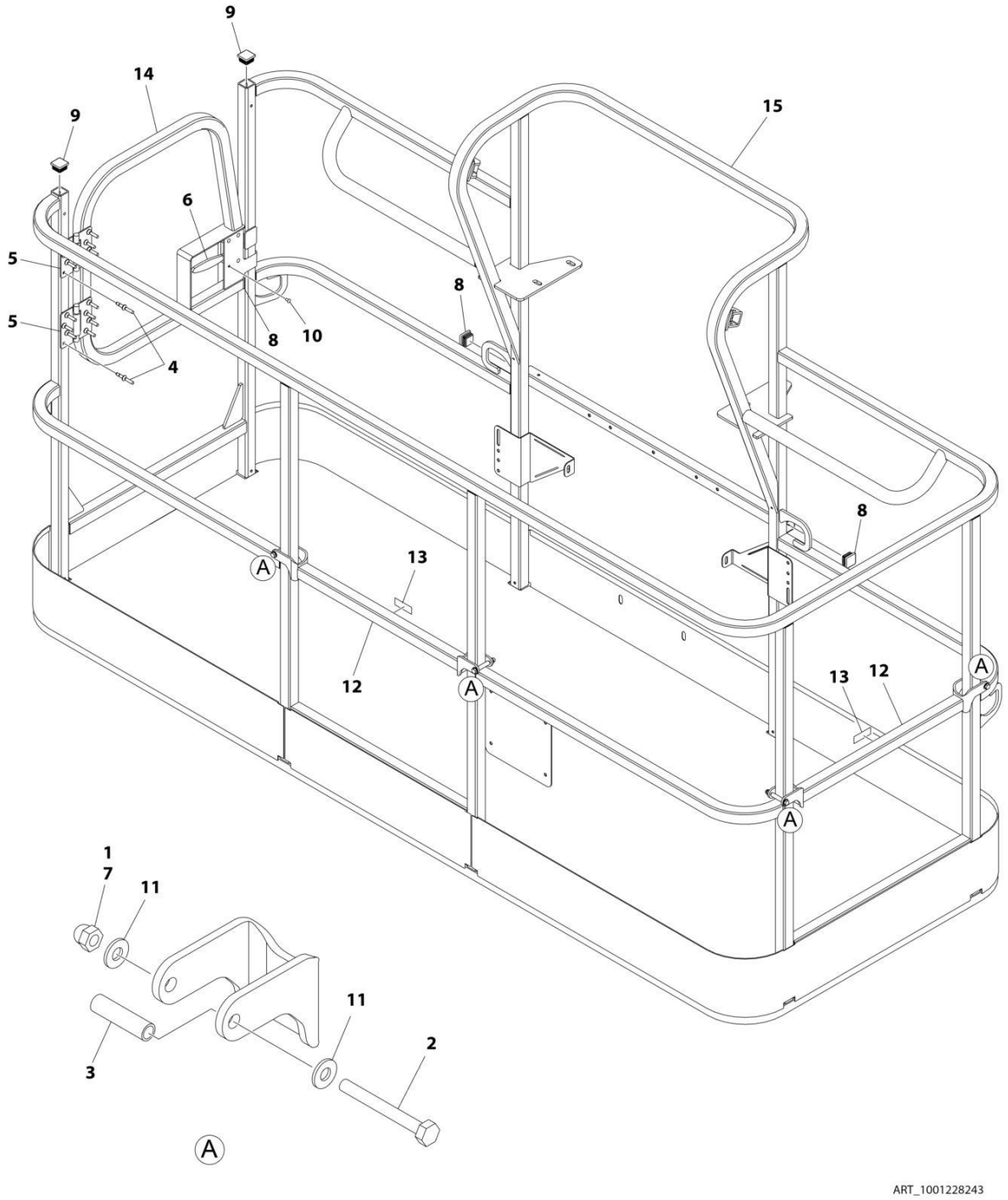


FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH SWING GATE

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

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

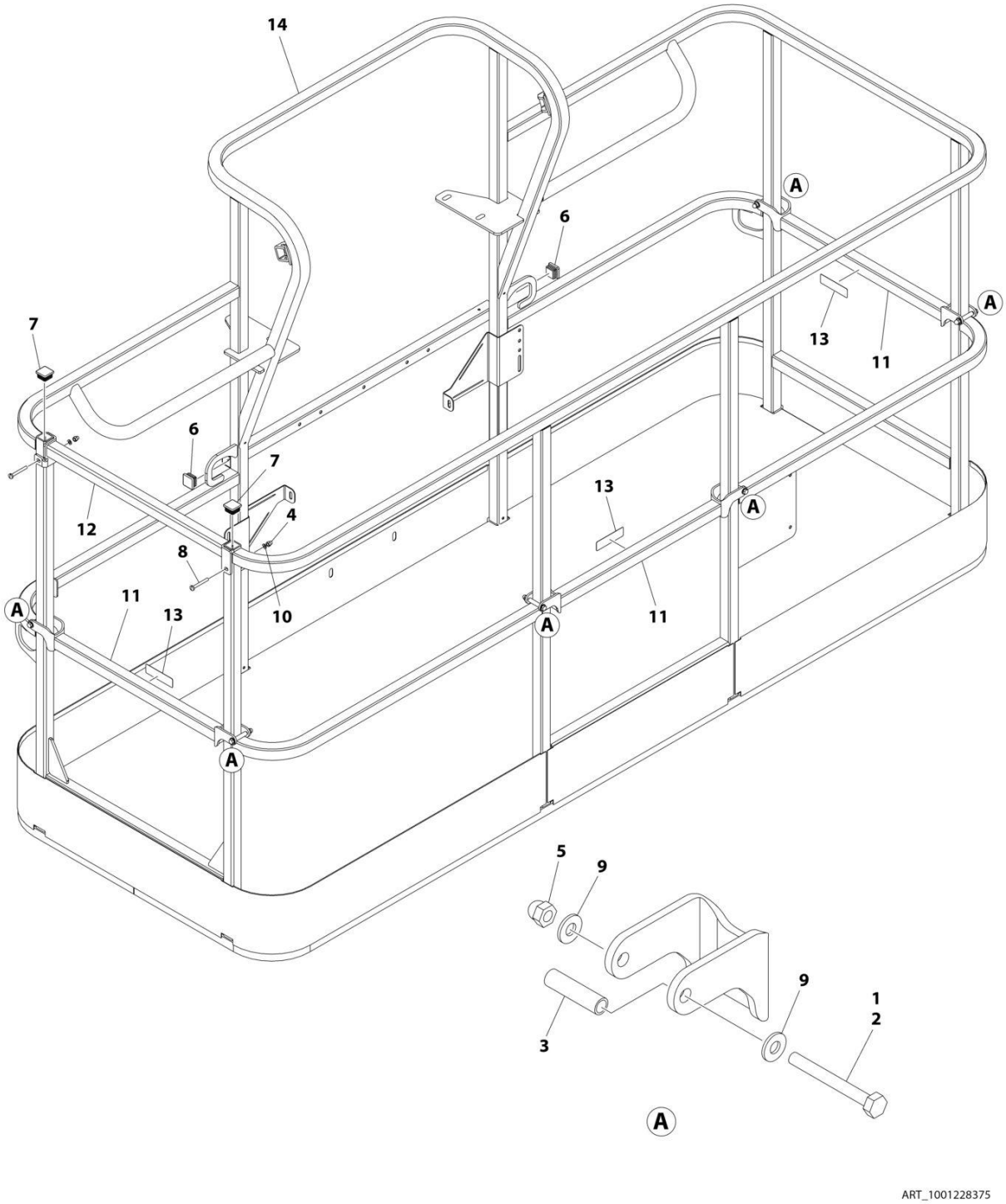


FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROP BAR

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 5-14. TRAY ASSEMBLY

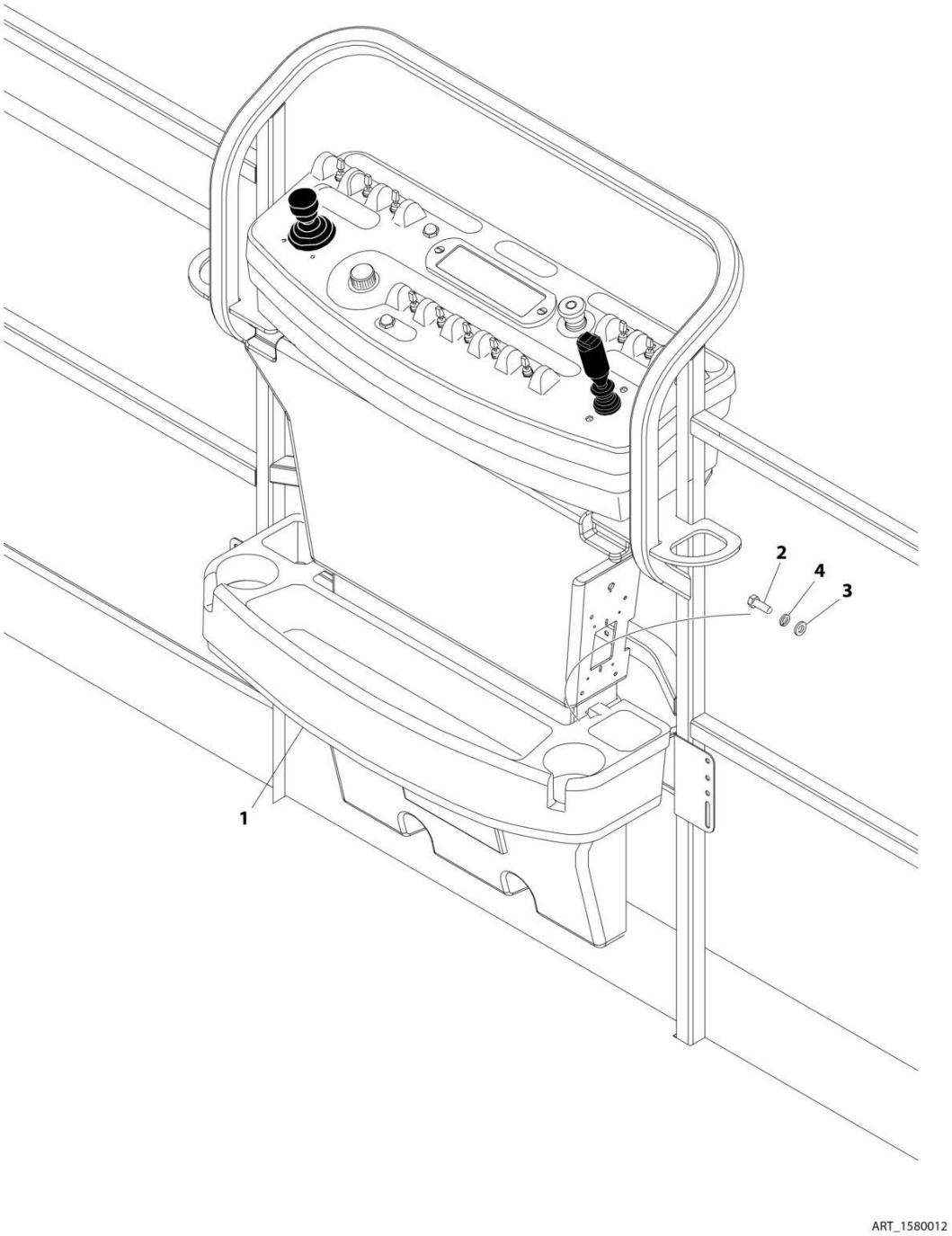


FIGURE 5-14. TRAY ASSEMBLY

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

FIGURE 5-15. PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION

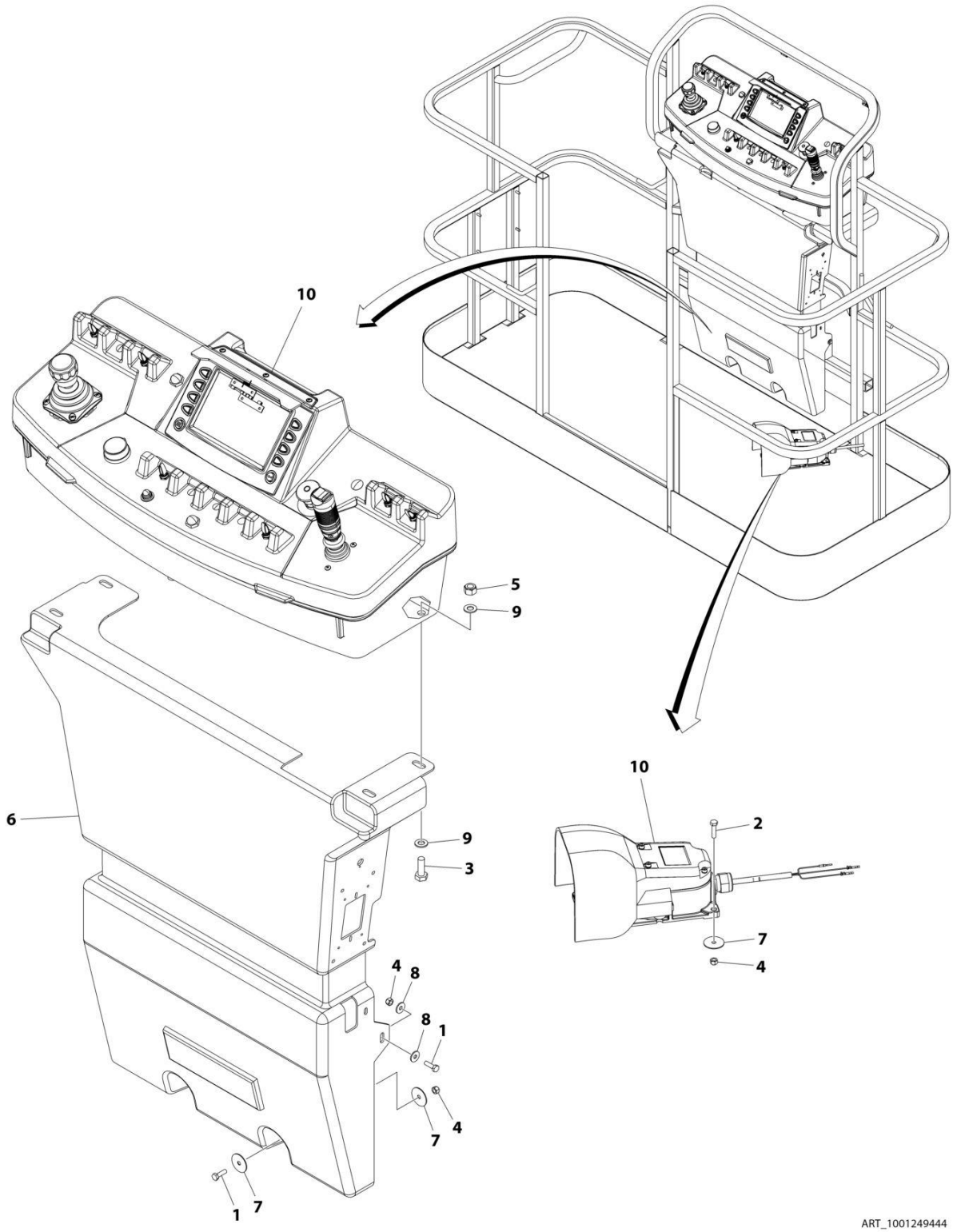


FIGURE 5-15. PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249444	Ref	PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION	B
1	0700610	4	Bolt M6 x 20	
2	0700612	3	Bolt M6 x 25	
3	0701014	4	Bolt M10 x 30	
4	3290605	7	Nut M6	
5	3291005	4	Nut M10	
6	3380434	1	Panel	
7	4740362	7	Washer	
8	4811702	4	Washer M6	
9	4812000	8	Washer M10	
10	1001249443	1	Platform Console Assembly (See Separate Breakdown in this Section)	

FIGURE 5-16. CONSOLE BOX ASSEMBLY

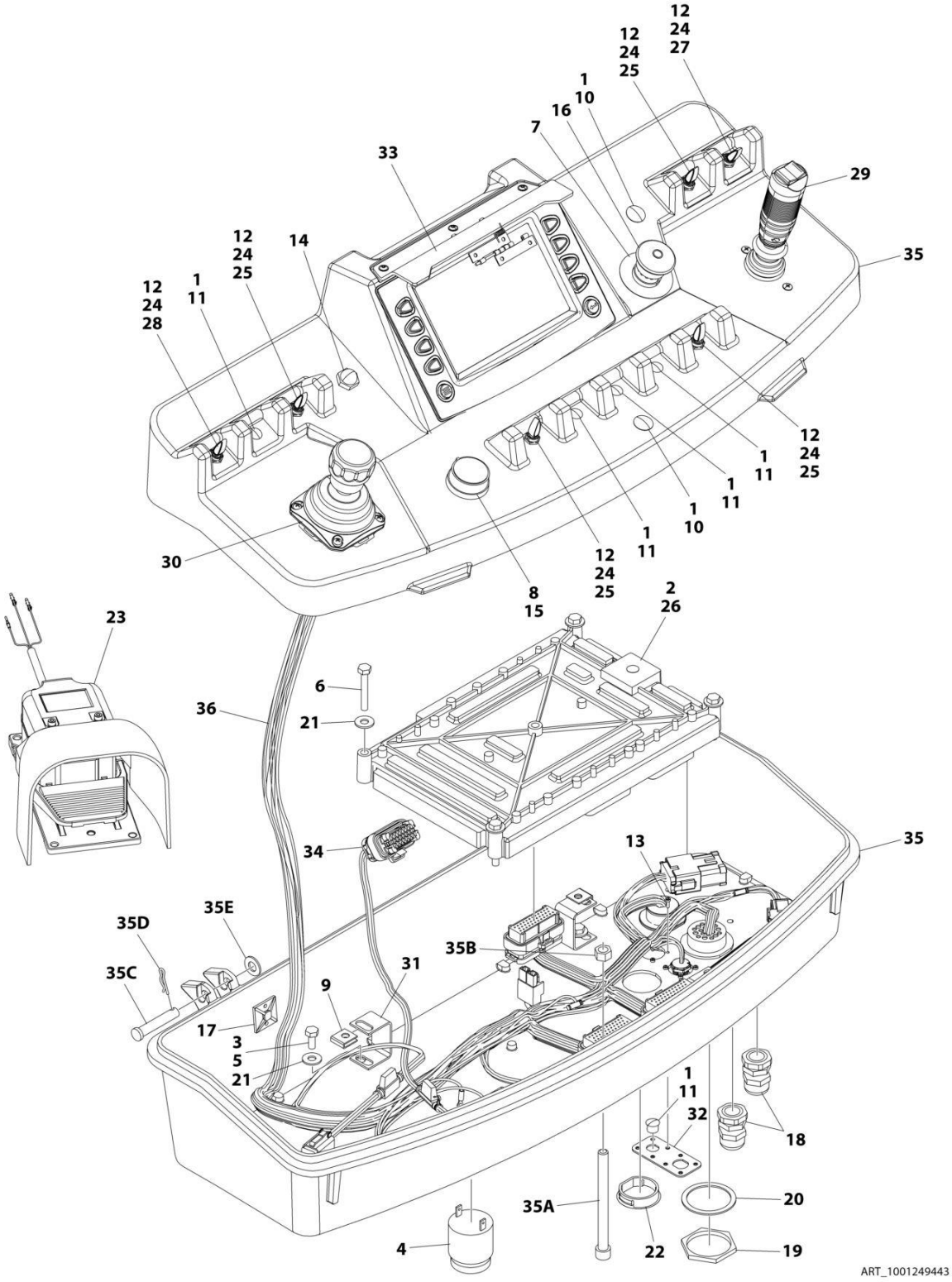


FIGURE 5-16. CONSOLE BOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249443	Ref	CONSOLE BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100081	AR	Adhesive	
4	0140011	1	Alarm	
5	0641405	4	Bolt 1/4 x 5/8	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	1704260	1	Decal - Emergency Stop	
8	2560136	1	Handle, Knob	
9	3300353	4	Nut, Tinnerman	
10	3520027	1	Plug	
11	3520054	5	Plug	
12	3790012	6	O-Ring	
13	3900349	8	Capscrew M2.5 x 8	
14	4360387	2	Switch, Push Button	
15	4360407	1	Controller, Speed	
15	4460224	1	Receptacle, Female - 6 Position	
15	4460226	6	Socket, Female	
15	See Note	1	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
15	70003784	1	Seal	
16	4360475	1	Switch, Emergency Stop	
16	7020175	1	Cap, Red	
16	7020176	1	Block, Contact	
17	4460234	3	Mount, Tie-Strap	
18	4460428	2	Connector, Strain Relief	
19	4460470	1	Nut, Terminal	
20	4460471	1	Washer, Terminal	
20	4460496	1	Washer, Terminal	
20	4460497	1	Nut, Terminal	
20	4740397	6	Washer	
21	4751400	8	Washer 1/4	
22	1001110434	1	Plug	
23	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	
24	1001155044	6	Nut 15/32	
25	1001155045	4	Switch, Toggle	
26	1001185726	1	Module, Platform (Note: Re-calibration Required when Replaced)	
27	1001159256	1	Switch, Toggle	
28	1001161709	1	Switch, Toggle	
29	1001166538	NLA	Controller Assembly (Drive and Steer) (Use p/n 1001212415) (See Separate Breakdown in this Section)	
30	1001166539	NLA	Controller Assembly (Lift and Swing) (Use p/n 1001129555) (See Separate Breakdown in this Section)	
31	1001172760	4	Bracket	
32	1001213882	1	Mount, Connector	
33	1001239366	Ref	Display Installation (See Separate Breakdown in this Section)	
34	1001241530	1	Platform Display Harness (See Separate Breakdown in ELECTRICAL Section)	
35	1001243042	1	Console Box Assembly	
35A	0630568	1	Capscrew 3/8 x 4-1/2	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
35B	3311601	1	Nut 3/8	
35C	3430616	2	Pin	
35D	3470003	2	Hairpin	
35E	4711600	2	Washer 3/8	
36	1001238409	1	Platform Console Harness (See Separate Breakdown in ELECTRICAL Section)	
37	2920028	1	Light, Indicator	
38	2920029	1	Bulb, Light	

FIGURE 5-17. DISPLAY INSTALLATION

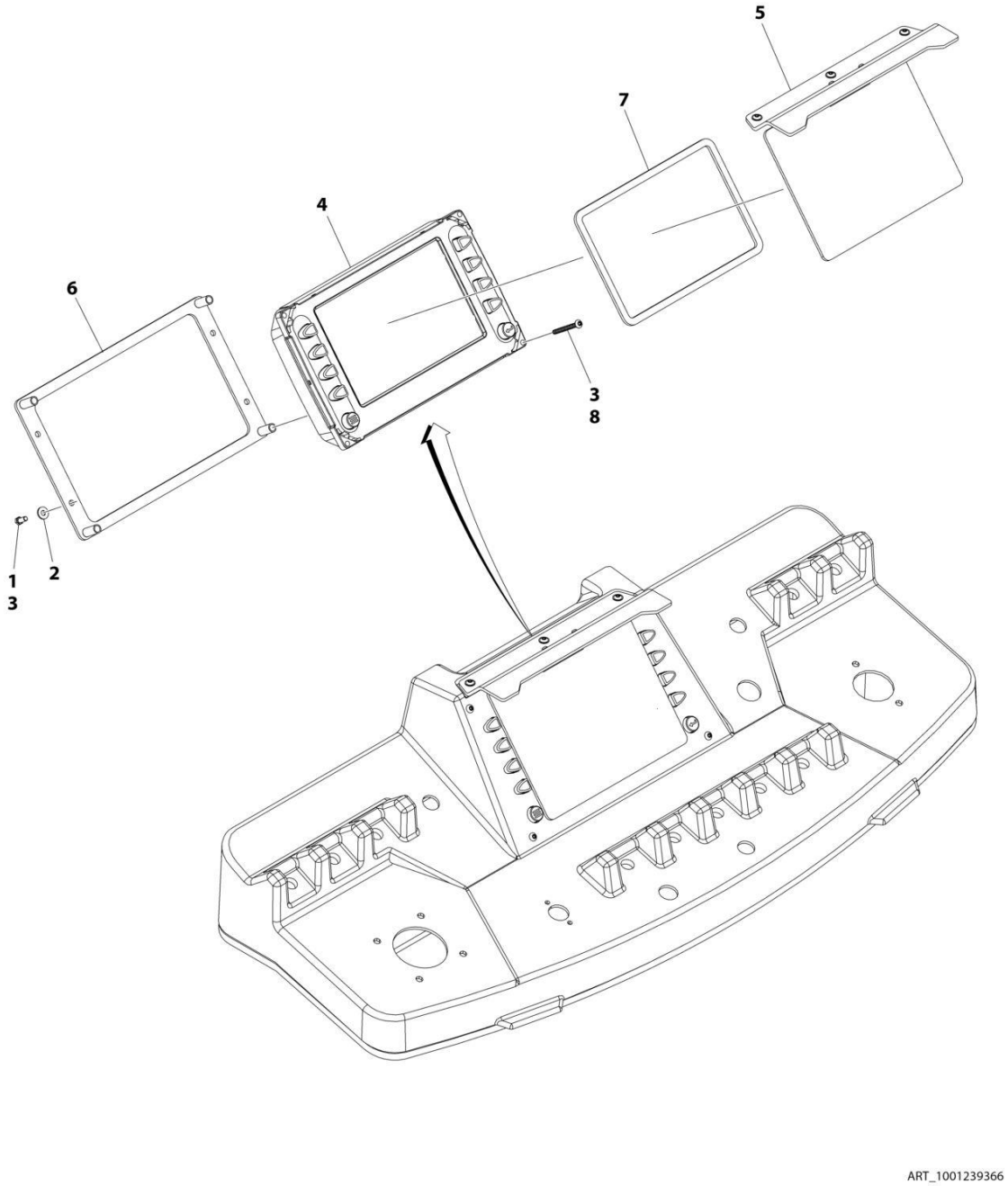


FIGURE 5-17. DISPLAY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239366	Ref	DISPLAY INSTALLATION	B
1	0720803	4	Screw #8 x 3/8	
2	4750800	4	Washer #8	
3	1001180620	AR	Adhesive	
4	1001239365	1	Display	
5	1001244861	Ref	Display Protection Installation (See Separate Breakdown in this Section)	
6	1001244891	1	Bracket	
7	1001244927	1	Gasket	
8	1001253881	4	Screw M4 x 40	

FIGURE 5-18. DISPLAY PROTECTION INSTALLATION

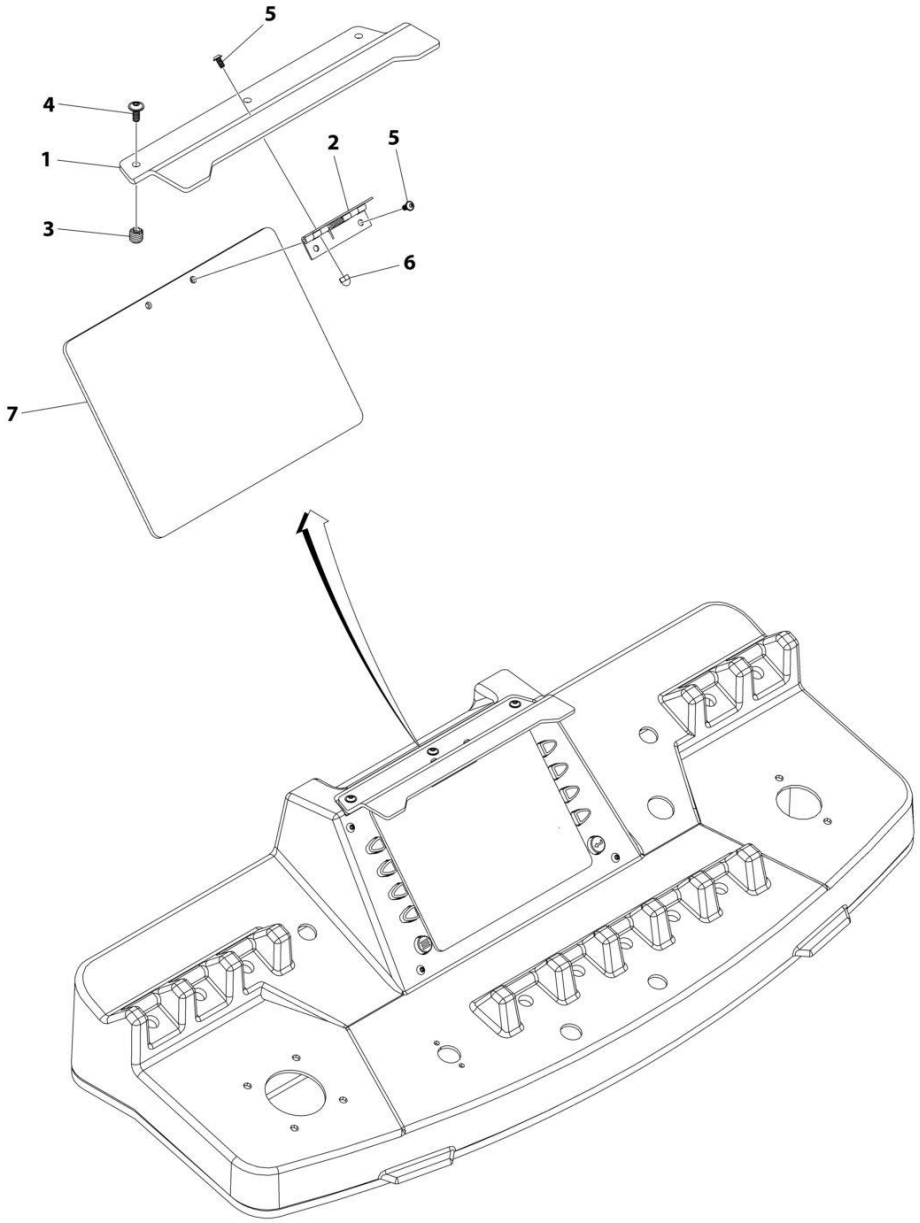


FIGURE 5-18. DISPLAY PROTECTION INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244861	Ref	DISPLAY PROTECTION INSTALLATION	A
1	1001244772	1	Shield, Screen	
2	1001244774	1	Hinge	
3	1001244866	3	Fastener	
4	1001244868	3	Screw M4 x 10	
5	1001244870	4	Screw M3 x 6	
6	1001244872	2	Nut M3	
7	1001245271	1	Cover, Display	

FIGURE 5-19. CONTROLLER ASSEMBLY (DRIVE AND STEER)

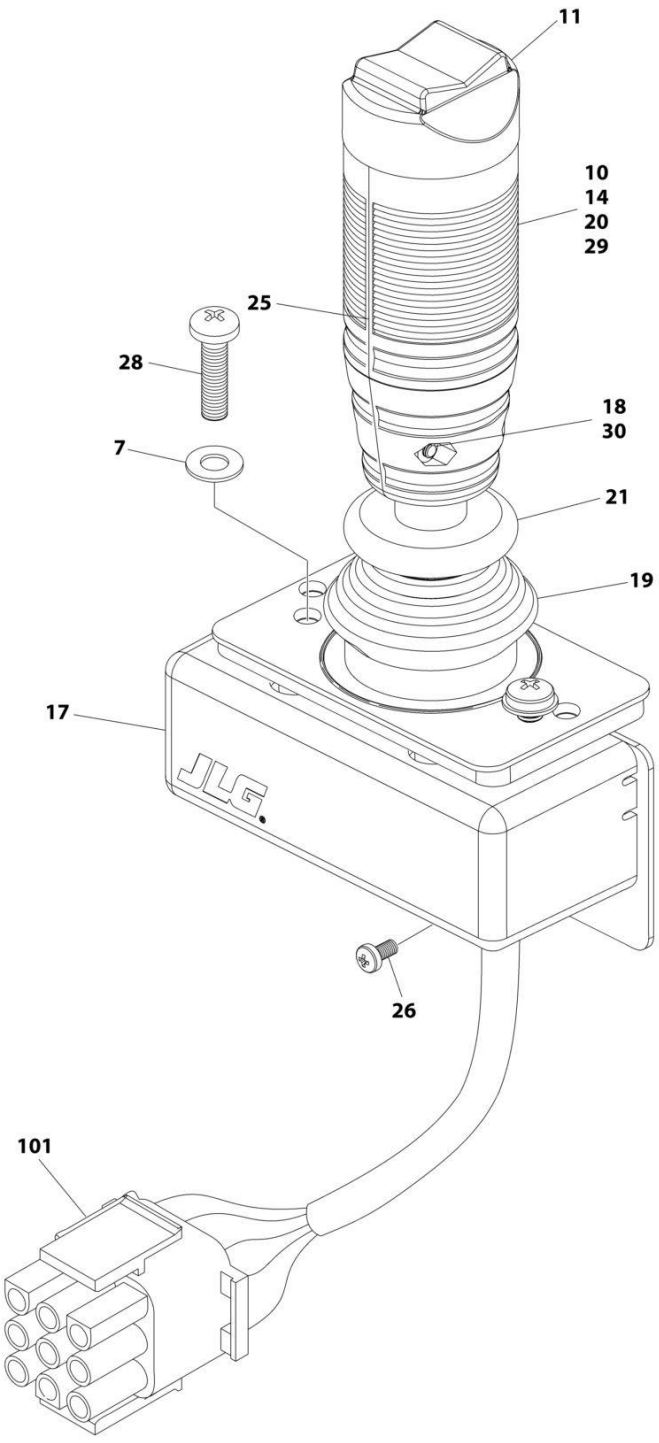


FIGURE 5-19. CONTROLLER ASSEMBLY (DRIVE AND STEER)

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 5-20. CONTROLLER ASSEMBLY (LIFT AND SWING)

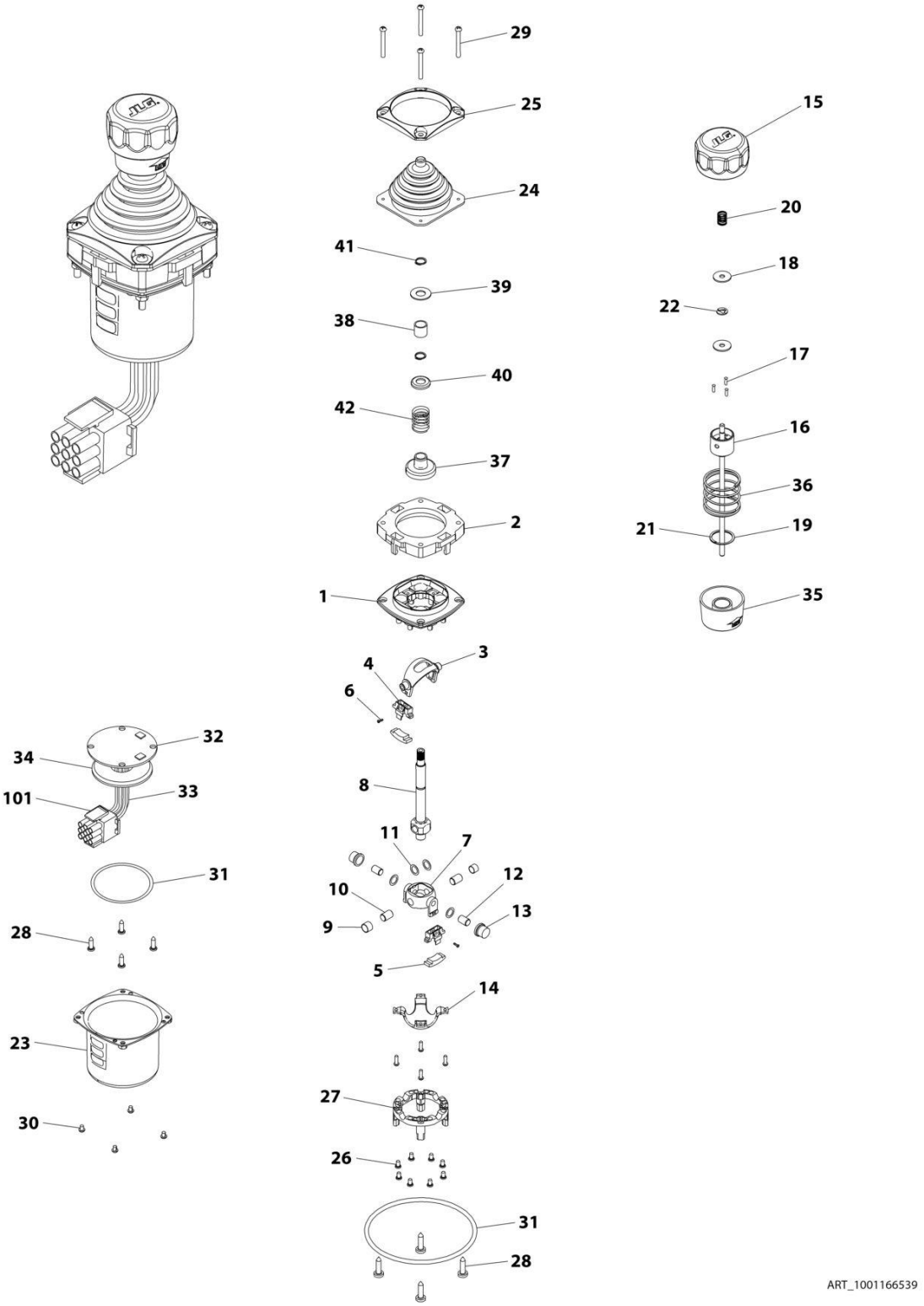


FIGURE 5-20. CONTROLLER ASSEMBLY (LIFT AND SWING)

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 5-21. FOOTSWITCH ASSEMBLY

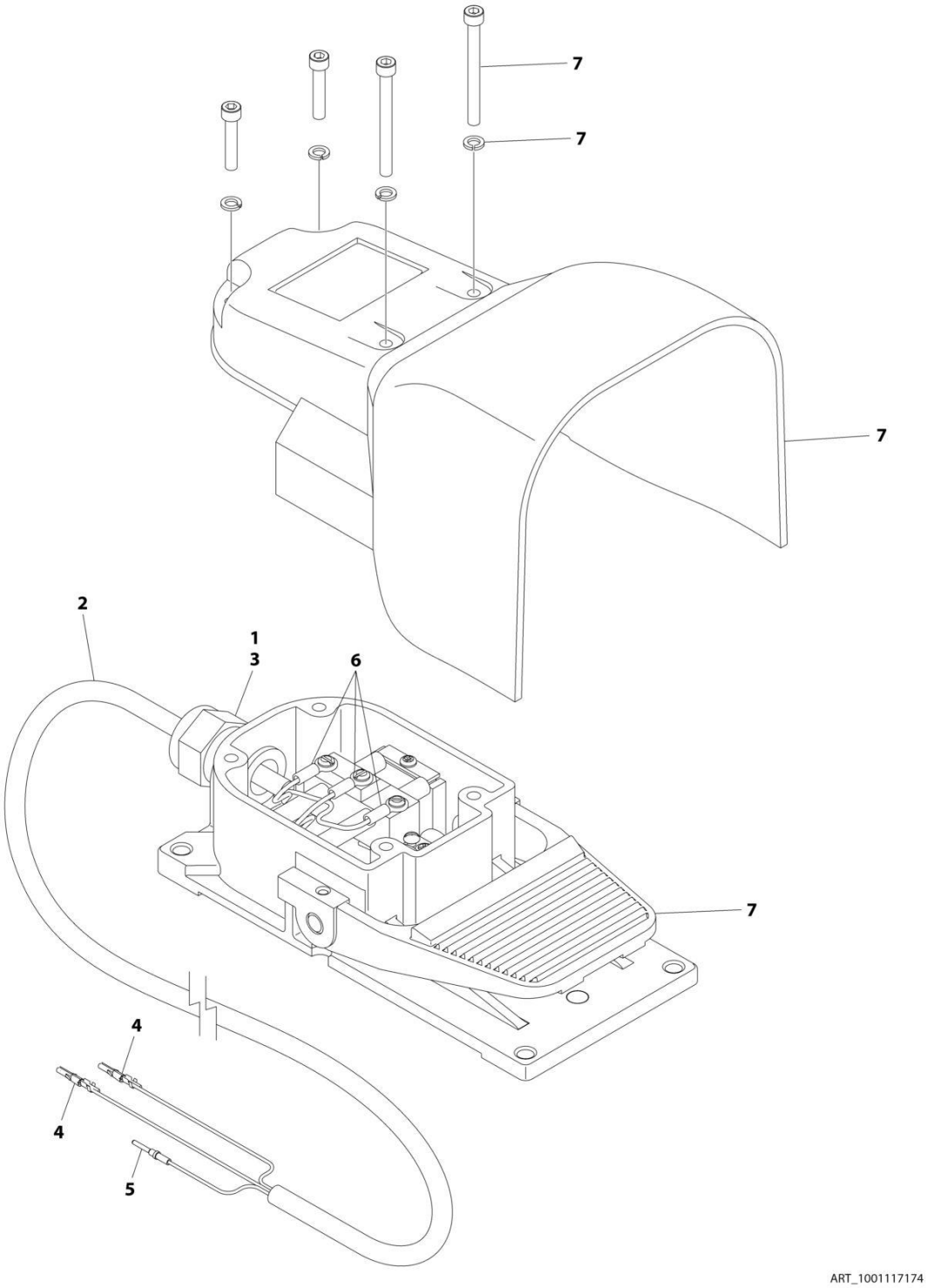


FIGURE 5-21. FOOTSWITCH ASSEMBLY

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

FIGURE 5-22. SKYEYE INSTALLATION

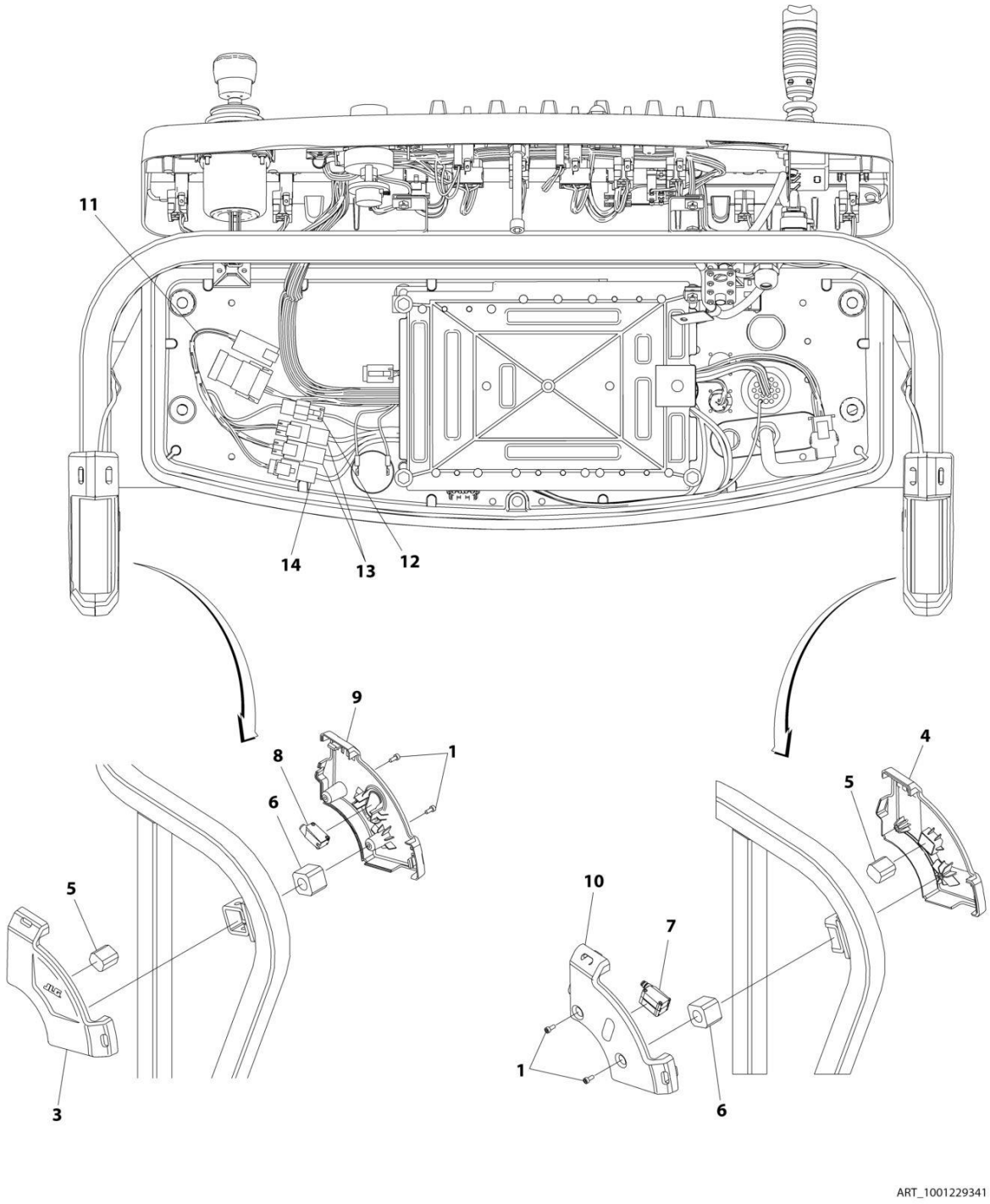


FIGURE 5-22. SKYEYE INSTALLATION

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 5-23. SKYGUARD BAR INSTALLATION

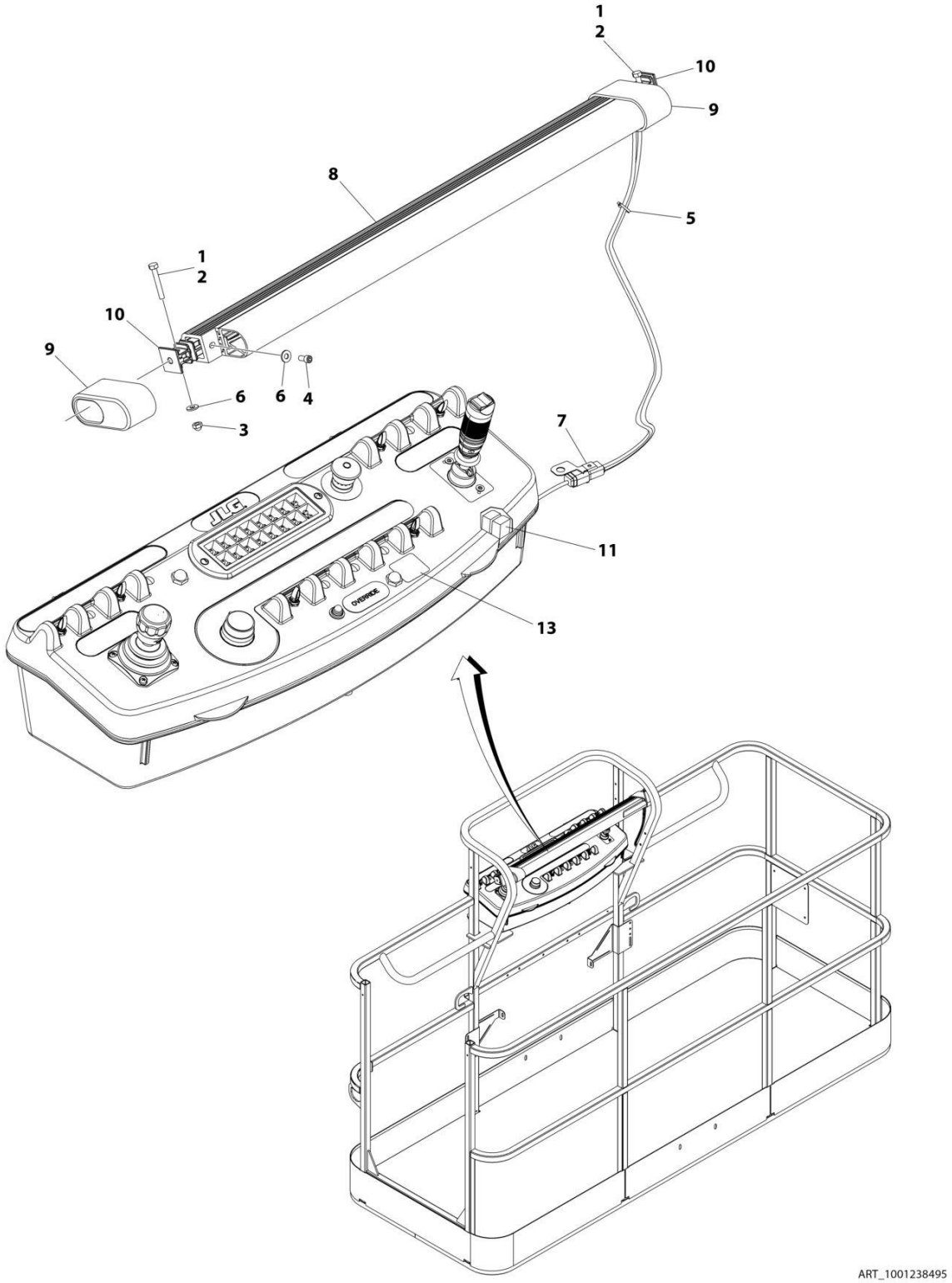


FIGURE 5-23. SKYGUARD BAR INSTALLATION

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 5-24. SKYLINE INSTALLATION

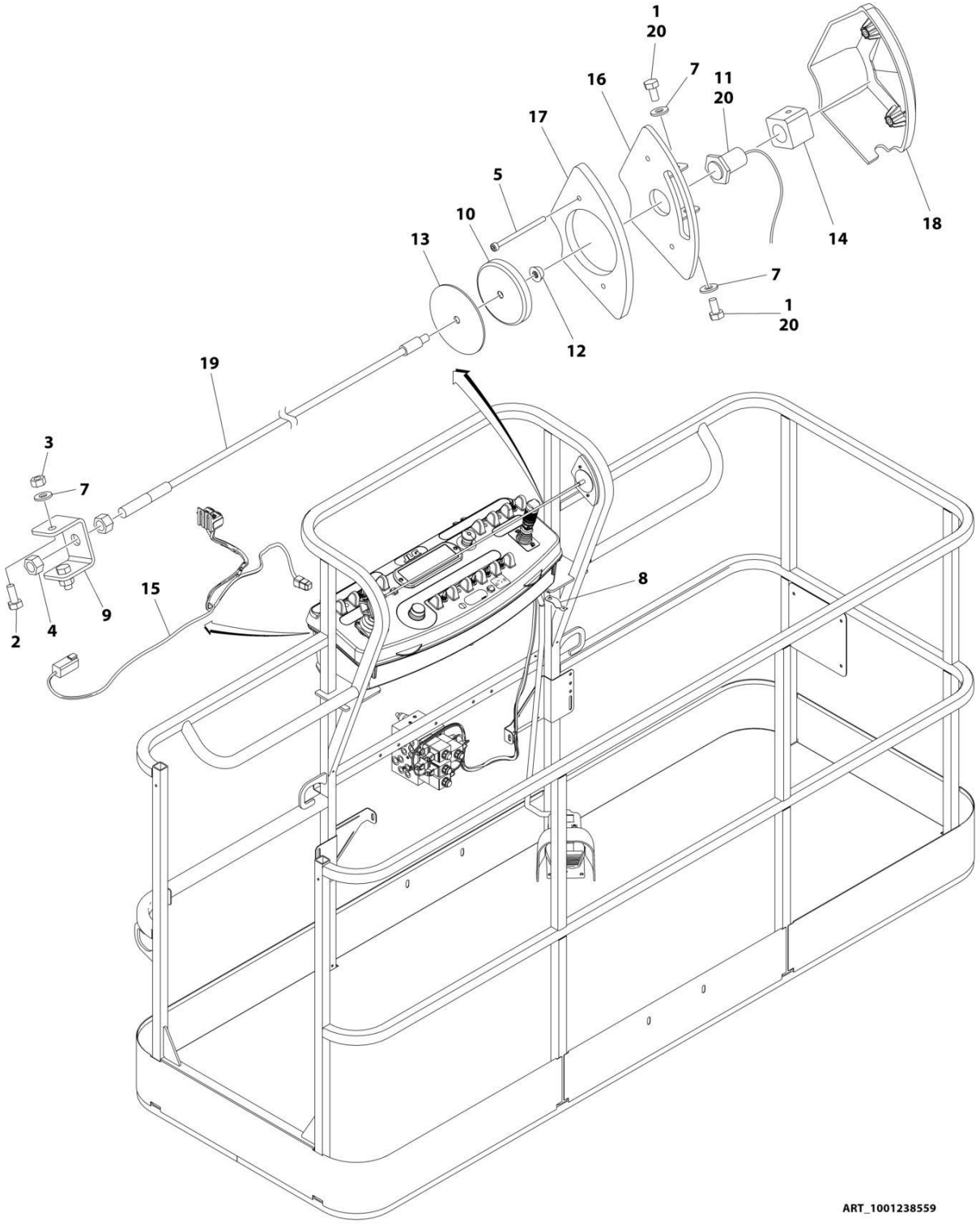


FIGURE 5-24. SKYLINE INSTALLATION

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

FIGURE 5-25. SKYGLAZIER INSTALLATION (ANSI, AUSTRALIAN AND CSA SPECS

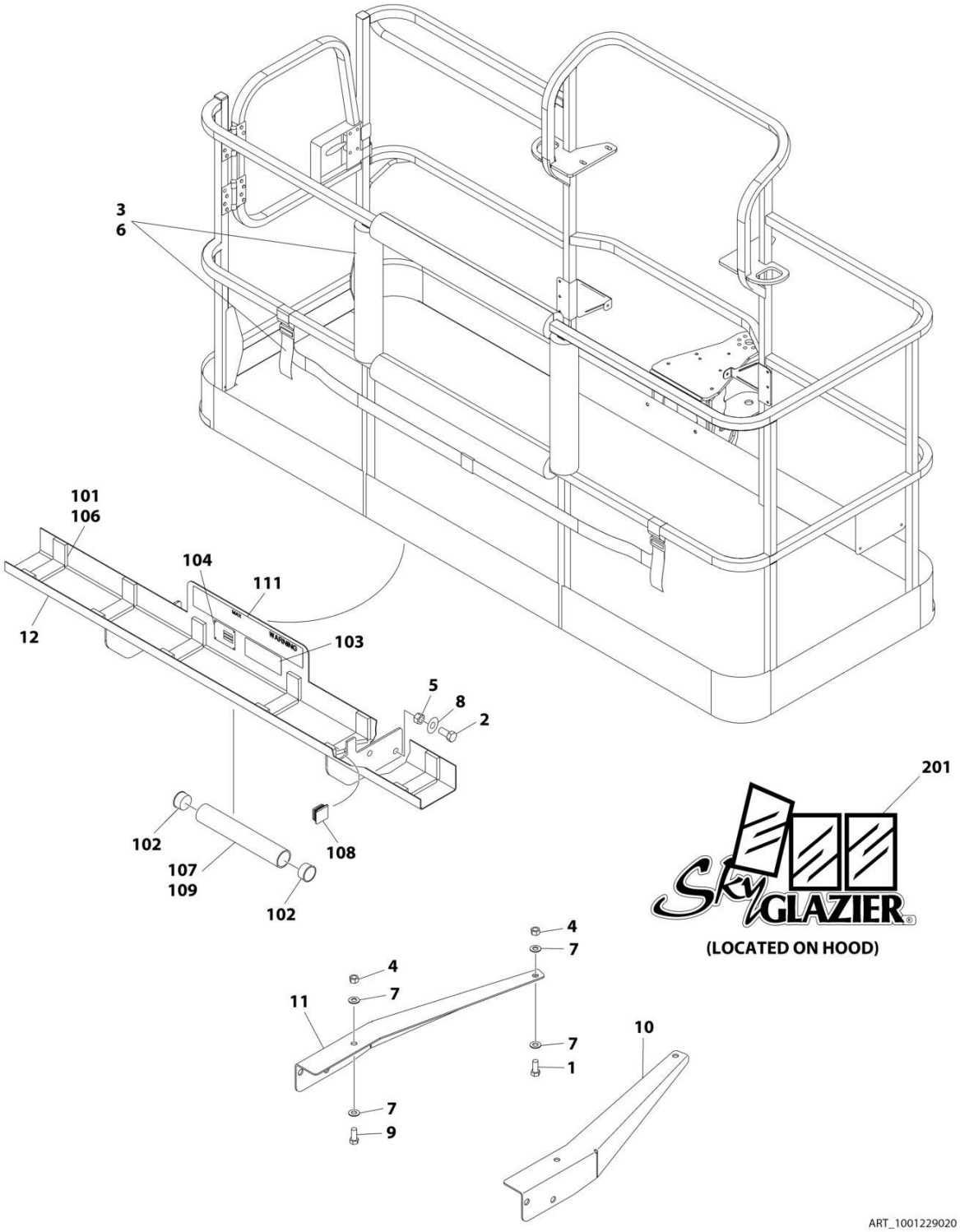


FIGURE 5-25. SKYGLAZIER INSTALLATION (ANSI, AUSTRALIAN AND CSA SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229020	Ref	SKYGLAZIER INSTALLATION	A
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	2902212	1	Bumpers and Strap Kit	
3	0940102	1	Bumper Only	
3	4240149	1	Strap Only	
4	3312005	4	Nut 5/8	
5	3312205	4	Nut 3/4	
6	4420014	AR	Tape	
7	4712000	6	Washer 5/8	
8	4712200	8	Washer 3/4	
9	8310129	2	Bolt 3/4 x 2-1/2	
10	1001099366	1	Support	
11	1001099367	1	Support	
12	1001229082	1	Tray Assembly (See Items 101-111 for Breakdown)	
	1001229082	Ref	TRAY ASSEMBLY	B
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	1701509	1	Decal - Manual	
104	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
106	3340956	1	Pad Kit	
107	3460334	1	Tube	
108	3520071	2	Plug	
109	4420066	AR	Tape, Double Sided	
111	1001199035	2	Decal - Glazier Capacity	
	0272418	Ref	SKYGLAZIER DECAL INSTALLATION	4
201	1705358	2	Decal - SkyGlazier	

FIGURE 5-26. SKYWELDER INSTALLATION (50HZ)

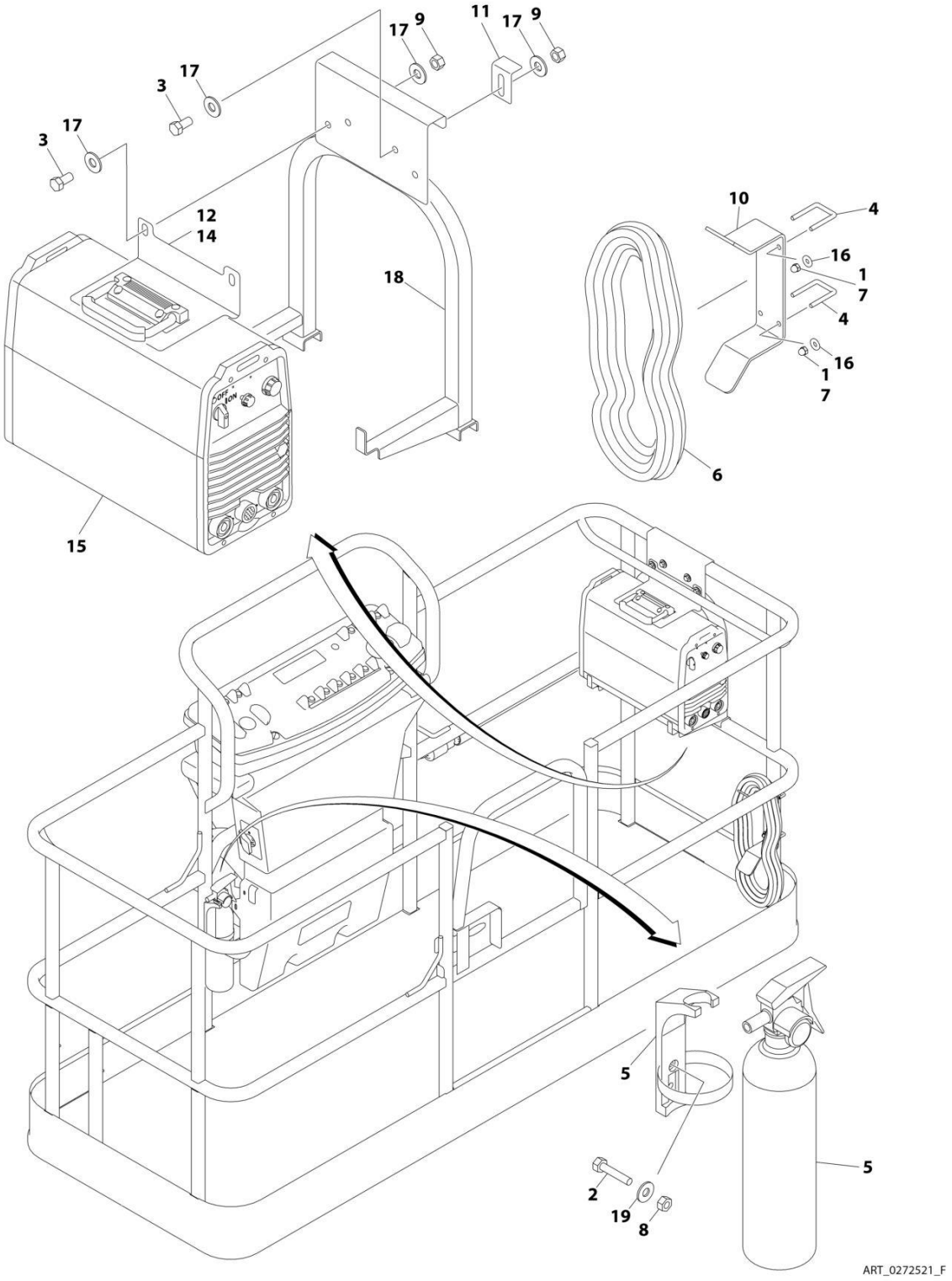


FIGURE 5-26. SKYWELDER INSTALLATION (50HZ)

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 5-27. SKYWELDER INSTALLATION (60HZ)

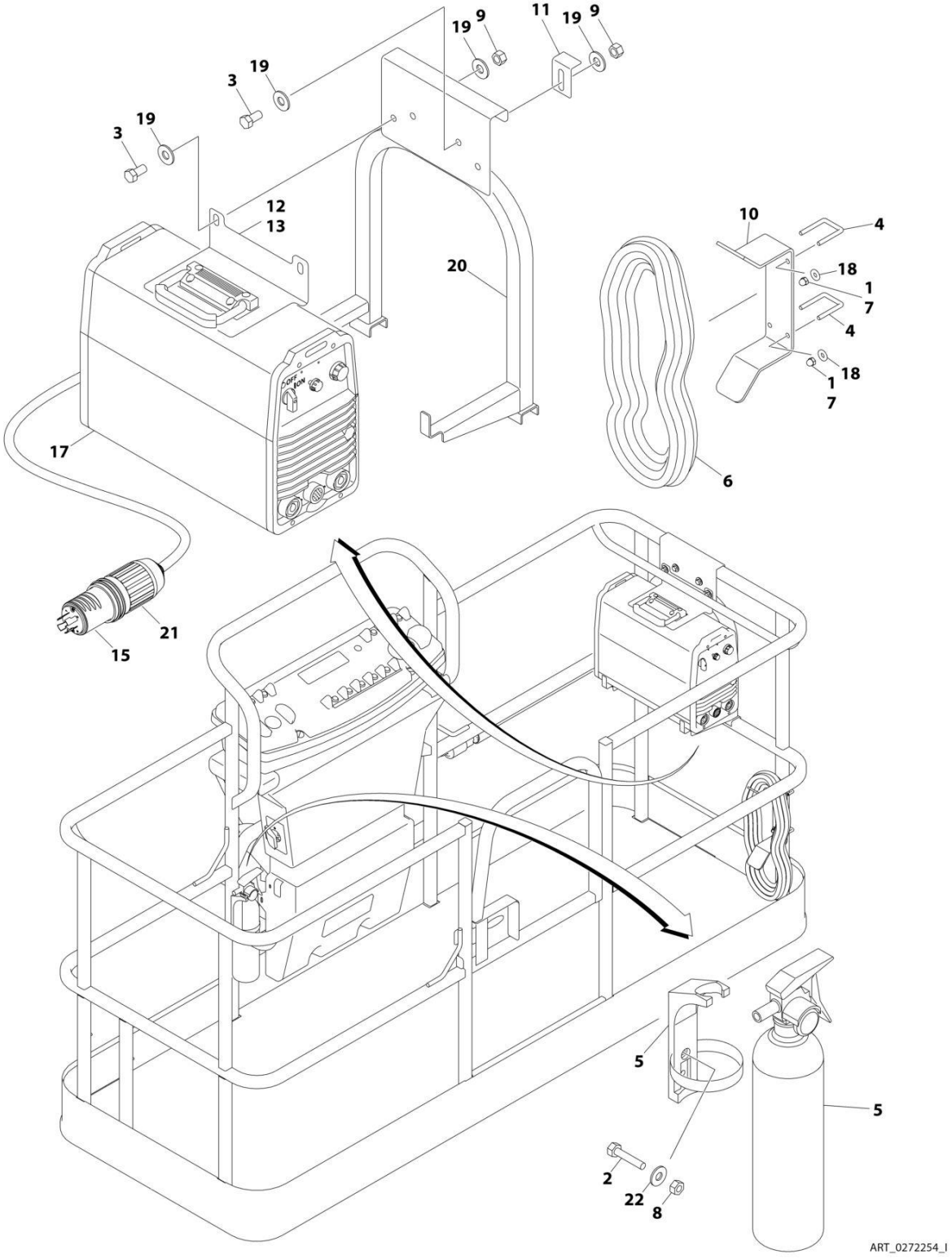


FIGURE 5-27. SKYWELDER INSTALLATION (60HZ)

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 5-28. SKYWELDER PREP PACKAGE (60HZ)

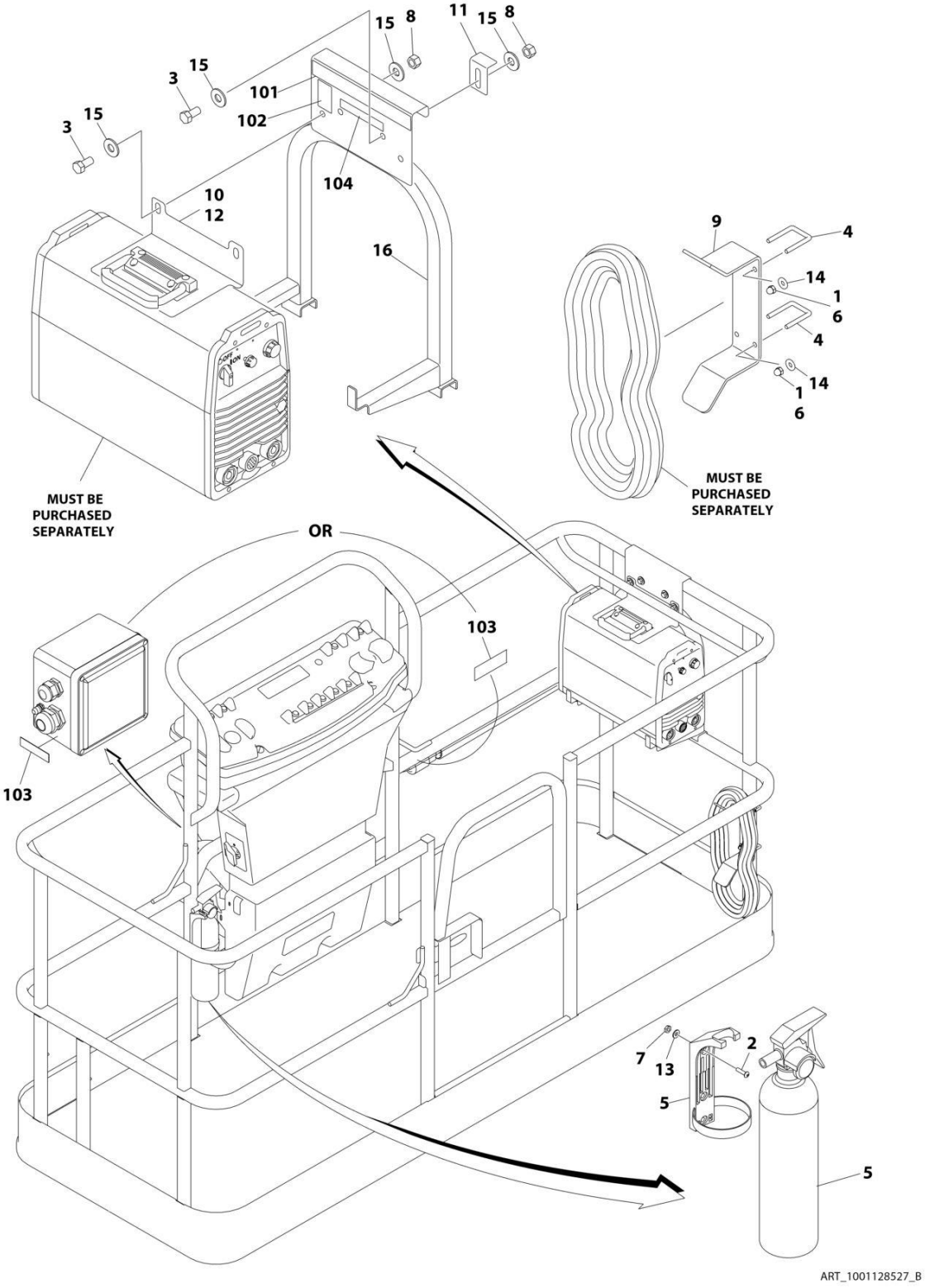


FIGURE 5-28. SKYWELDER PREP PACKAGE (60HZ)

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 5-29. WELDER ASSEMBLY

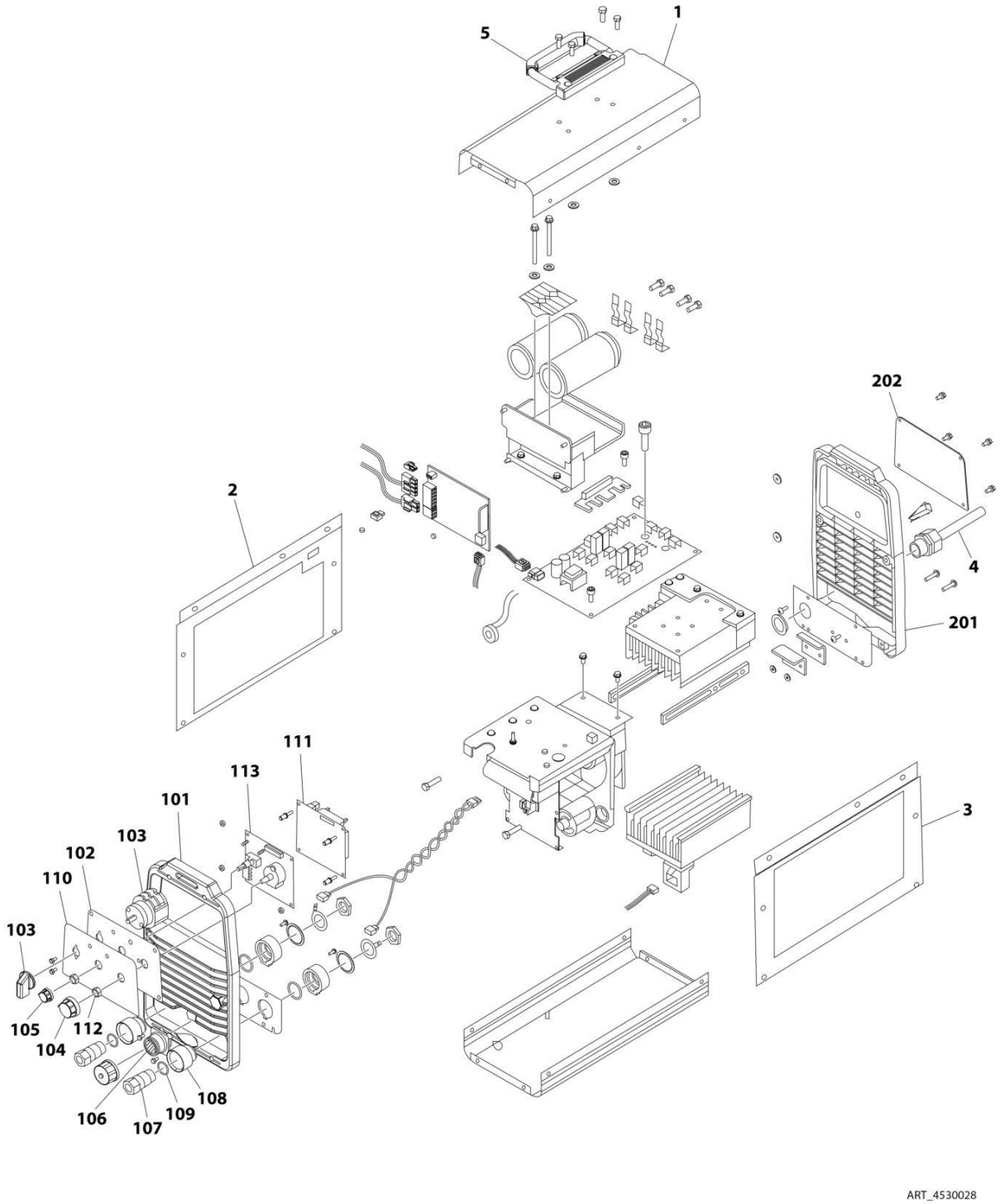


FIGURE 5-29. WELDER ASSEMBLY

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 5-30. PIPE RACK INSTALLATION (ANSI AND CSA SPECS) (Prior to SN 0300275371)

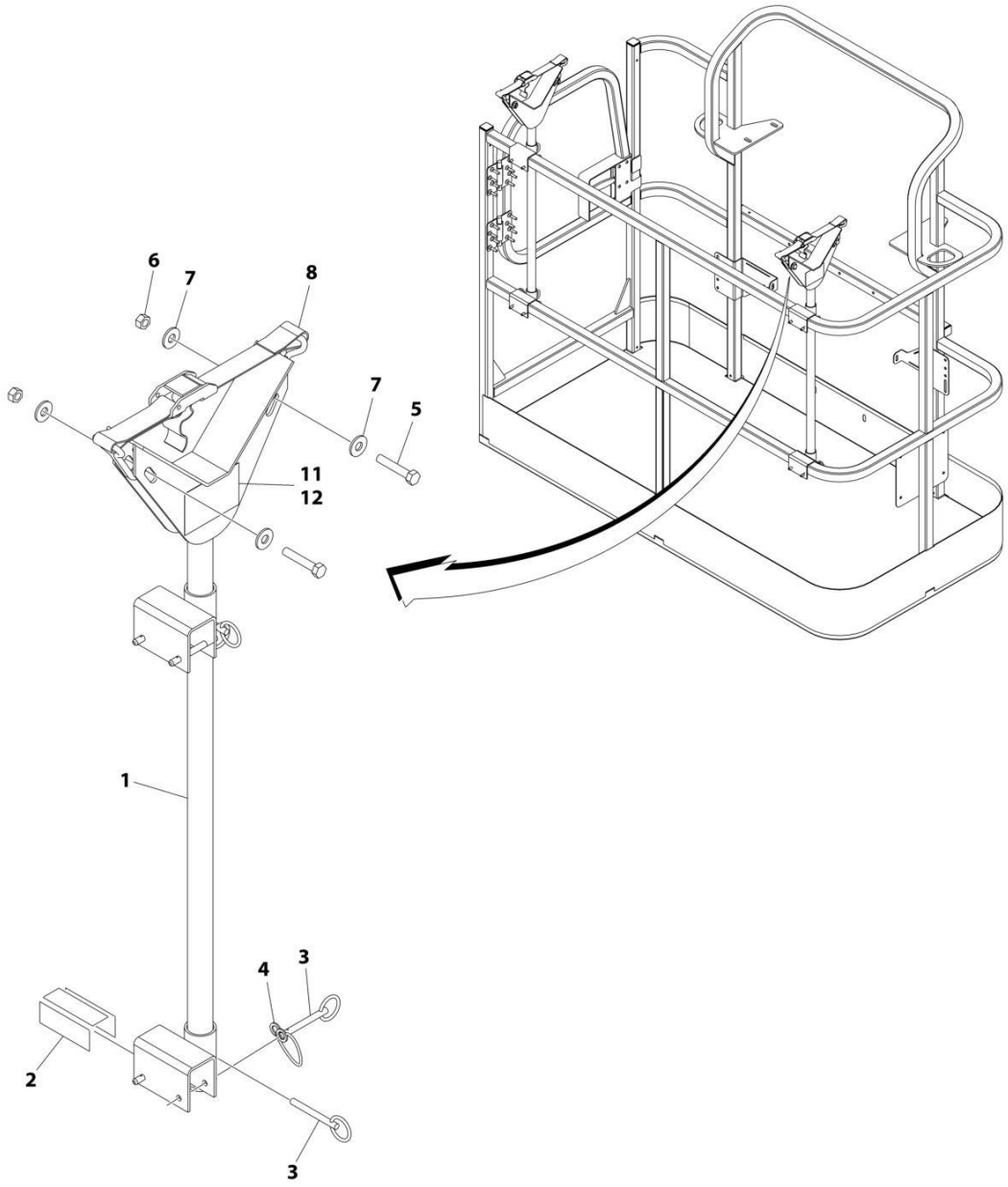


FIGURE 5-30. PIPE RACK INSTALLATION (ANSI AND CSA SPECS) (Prior to SN 0300275371)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0257728	Ref	PIPE RACK INSTALLATION	E
1	4845582	2	Rack, Pipe	
2	4420062	AR	Tape	
3	3422661	10	Pin	
4	1060379	4	Lanyard	
5	0641514	4	Bolt 5/16 x 1-3/4	
6	3311505	4	Nut 5/16	
7	4751500	8	Washer 5/16	
8	0480100	2	Tie-Down	
11	1001252946	2	Decal - Capacity (500-600LBS/2227-272KG Zones)	
12	1001252947	2	Decal - Capacity (660-1000LBS/299-454KG Zones)	

FIGURE 5-31. PIPE RACK INSTALLATION (AUSTRALIAN SPECS) (Prior to SN 0300275371)

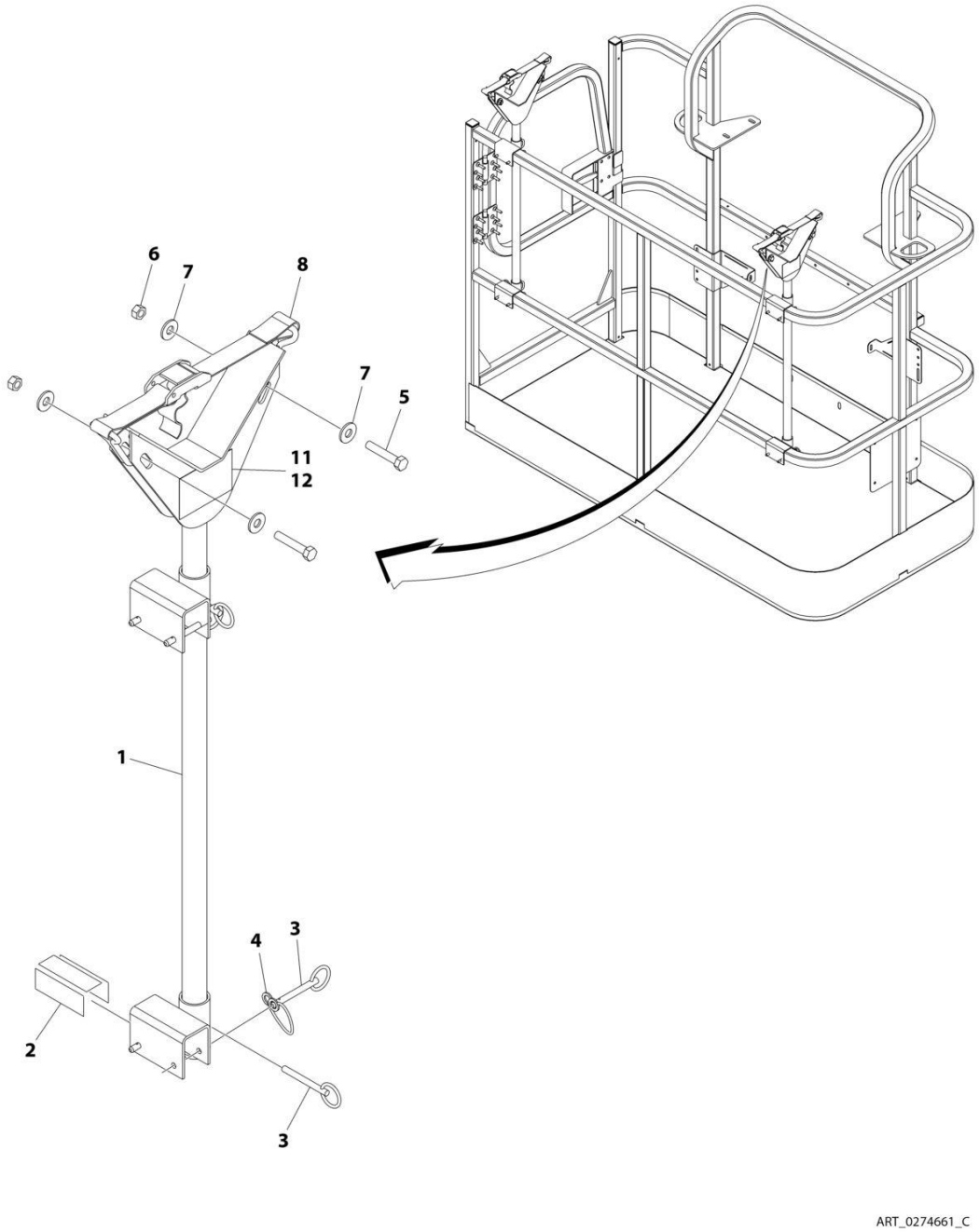


FIGURE 5-31. PIPE RACK INSTALLATION (AUSTRALIAN SPECS) (Prior to SN 0300275371)

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

FIGURE 5-32. FALL ARREST INSTALLATION (BOLT-ON) (4FT/1.22M PLATFORM)

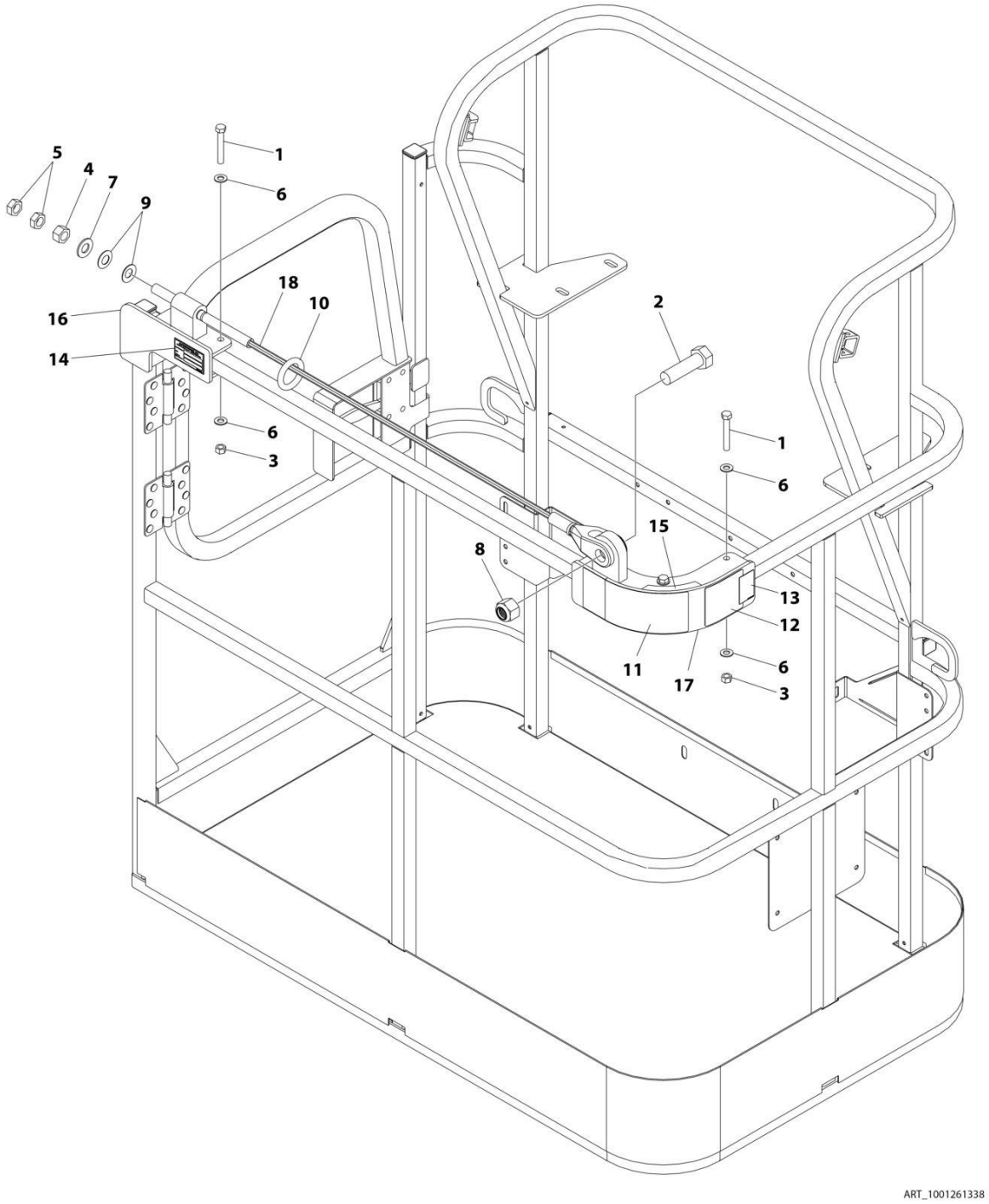


FIGURE 5-32. FALL ARREST INSTALLATION (BOLT-ON) (4FT/1.22M PLATFORM)

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 5-33. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (5FT/1.52M PLATFORM)

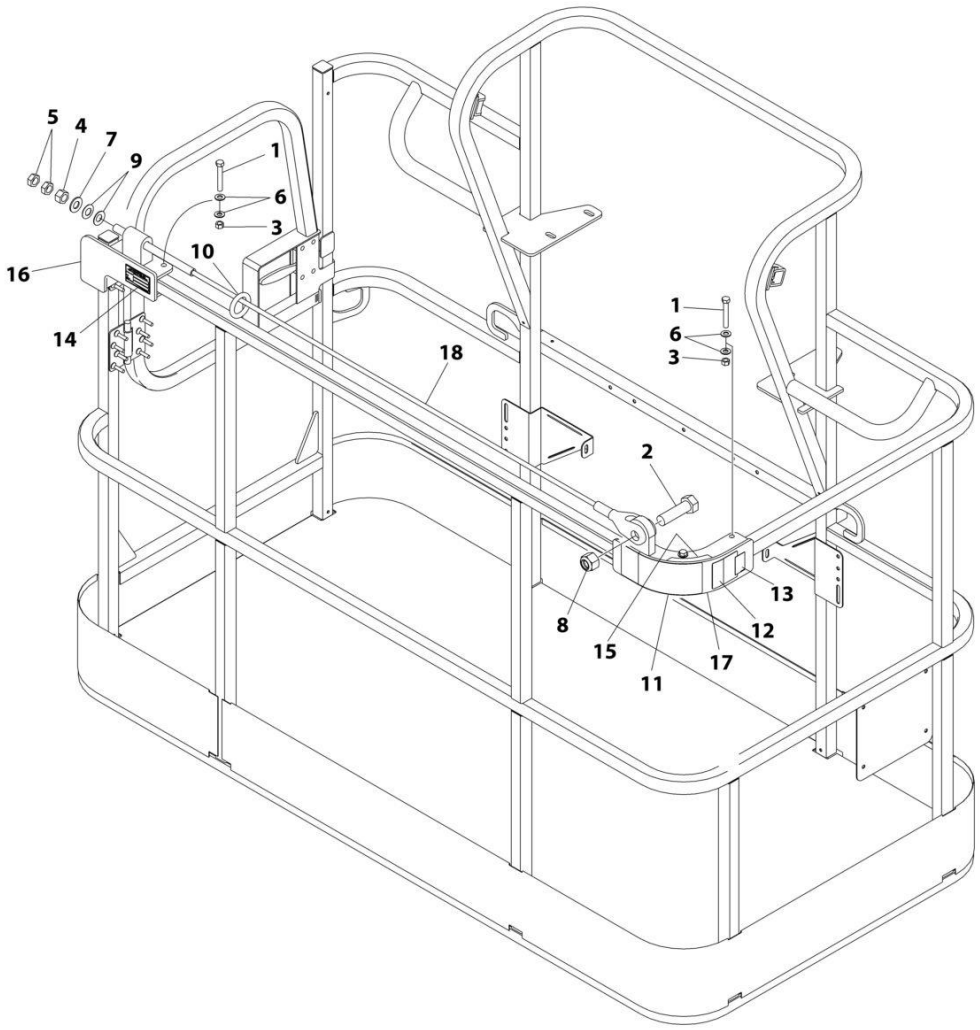


FIGURE 5-33. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (5FT/1.52M PLATFORM)

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

FIGURE 5-34. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M PLATFORM)

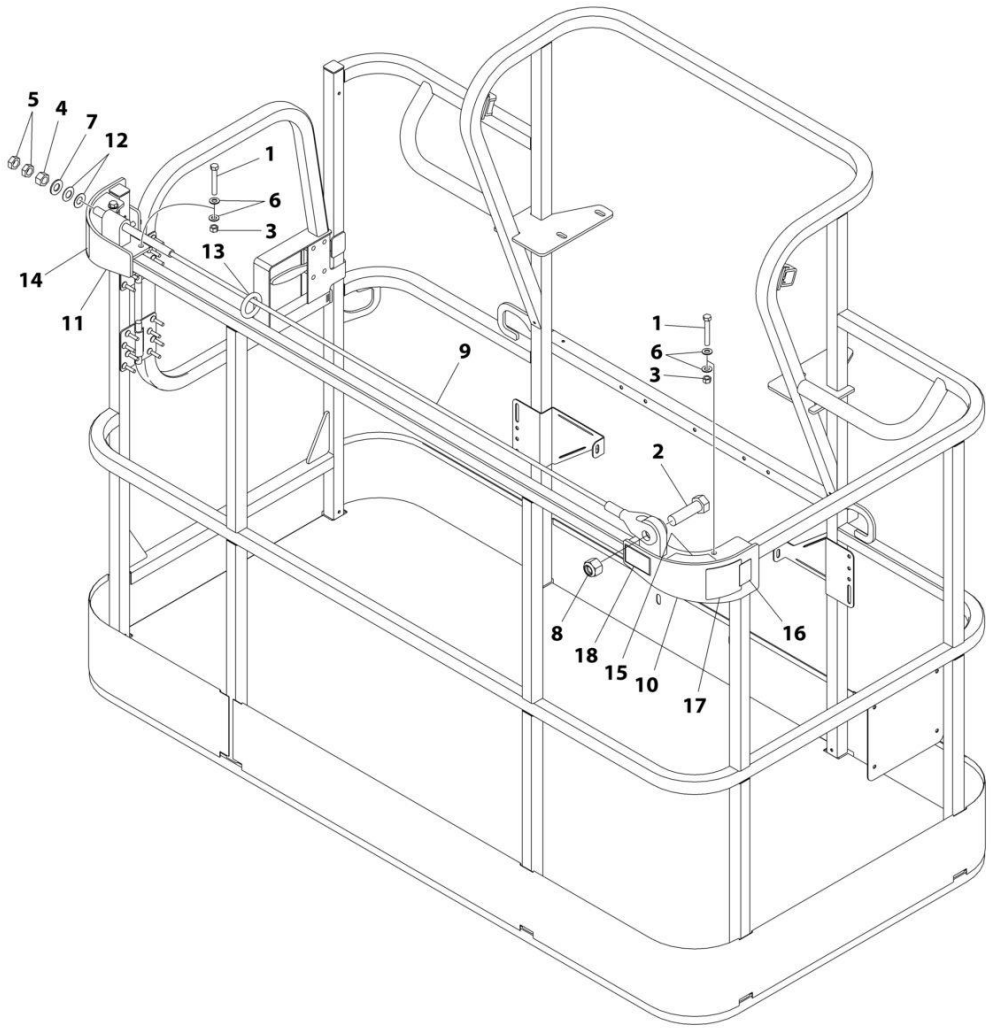


FIGURE 5-34. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M PLATFORM)

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 5-35. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M TRI-ENTRY PLATFORM)

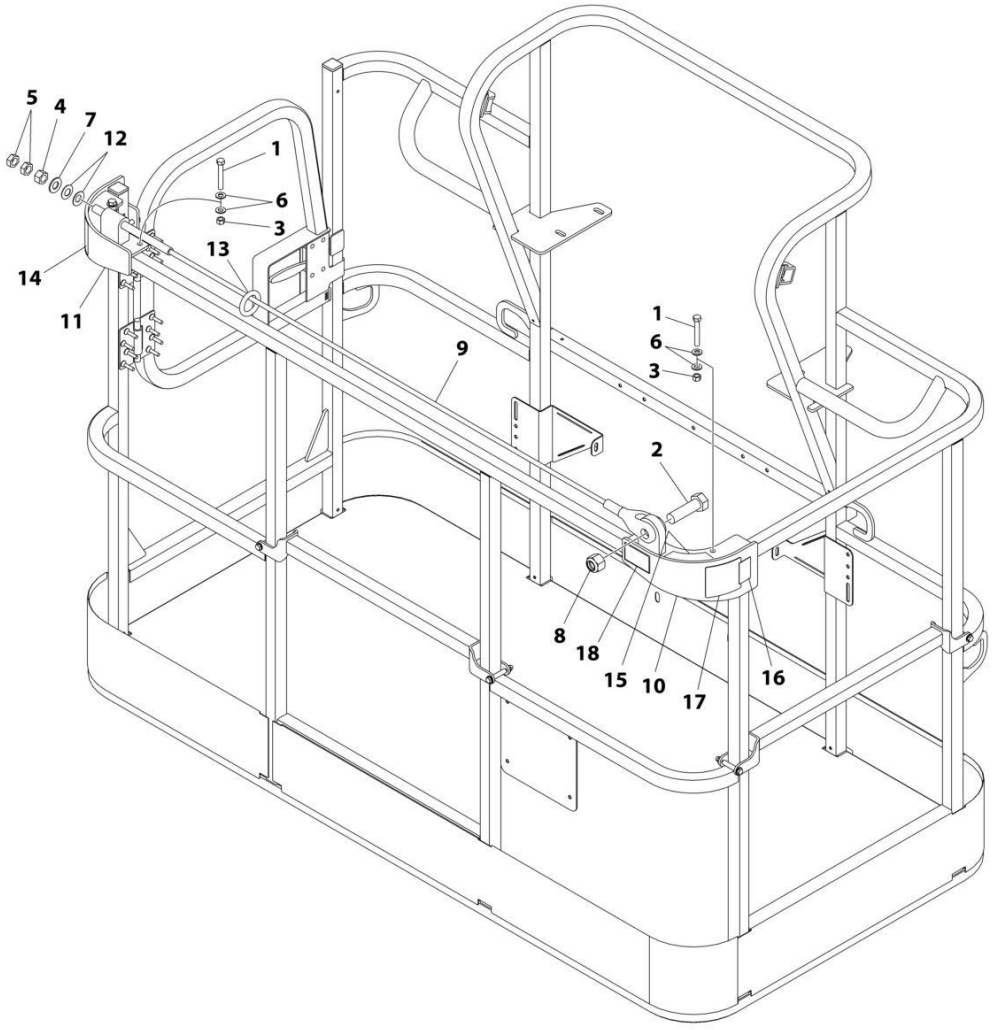


FIGURE 5-35. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M TRI-ENTRY PLATFORM)

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 5-36. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (8FT/2.4M PLATFORM)

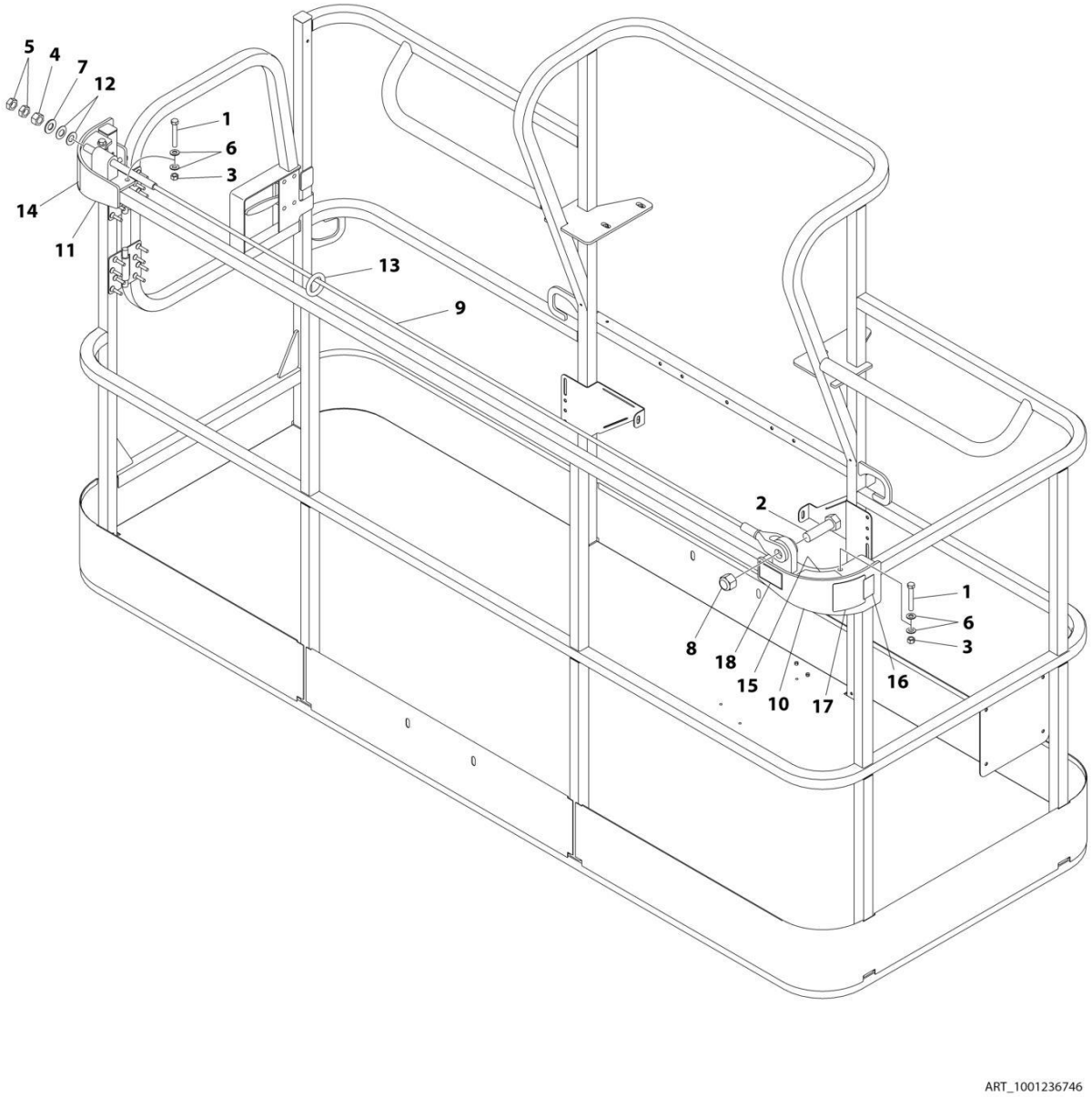


FIGURE 5-36. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (8FT/2.4M PLATFORM)

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	

SECTION 6 - CYLINDER

SECTION 6 - CYLINDER

FIGURE 6-1. LEVEL CYLINDER ASSEMBLY - CHASSIS (Prior to SN 0300275371)

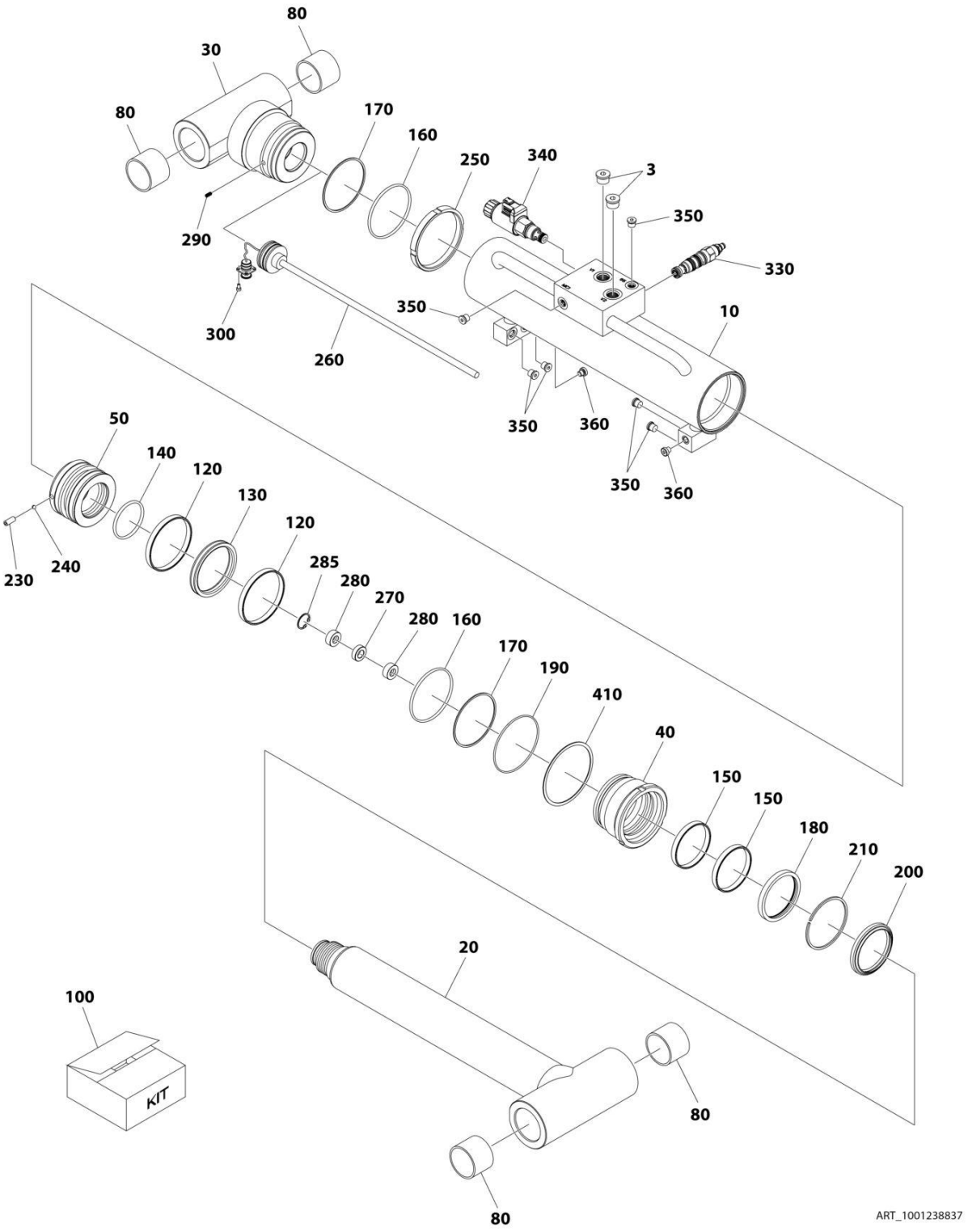


FIGURE 6-1. LEVEL CYLINDER ASSEMBLY - CHASSIS (Prior to SN 0300275371)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238837	Ref	LEVEL CYLINDER ASSEMBLY - CHASSIS	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
3	2220886	2	Plug #8	
10	See Note	NSS	Barrel (Note: Purchase Complete Assembly)	
20	70007477	1	Rod	
30	See Note	NSS	End, Barrel (Note: Purchase Complete Assembly)	
40	70007478	1	Head	
50	70007479	1	Piston	
80	0961950	4	Bushing	
100	70007488	1	Seal Kit - 1001238837 Cylinder (Includes Items 120-200)	
120	See Note	NSS	Ring, Wear (Note: Use Item 100)	
130	See Note	NSS	Seal, Piston (Note: Use Item 100)	
140	See Note	NSS	O-Ring (Note: Use Item 100)	
150	See Note	NSS	Ring, Wear (Note: Use Item 100)	
160	See Note	NSS	O-Ring (Note: Use Item 100)	
170	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
180	See Note	NSS	Seal, Rod (Note: Use Item 100)	
190	See Note	NSS	O-Ring (Note: Use Item 100)	
200	See Note	NSS	Wiper (Note: Use Item 100)	
210	70023086	1	Ring, Retaining	
230	70007480	1	Setscrew	
240	70005014	1	Ball	
250	70007481	1	Nut	
260	1001239956	1	Transducer	
270	70007482	1	Magnet, Transducer	
280	70007483	2	Spacer	
285	70007484	1	Circlip	
290	70007485	1	Setscrew	
300	4031504	4	Capscrew M4 x 8	
330	1001239521	1	Valve, Counterbalance Cartridge	
330	70006099	1	Seal Kit - 1001239521 Valve	
340	1001239598	1	Valve, Solenoid Cartridge	
340	70007317	1	Cartridge Less Coil	
340	7024503	1	Seal Kit - 1001239598 & 70007317 Valve	
340	70007318	1	Coil (Includes Nut)	
350	2220883	6	Plug #4	
360	70025961	4	Plug #4	
410	70007487	1	Washer	

FIGURE 6-2. LEVEL CYLINDER ASSEMBLY - CHASSIS (SN 0300275371 to Present)

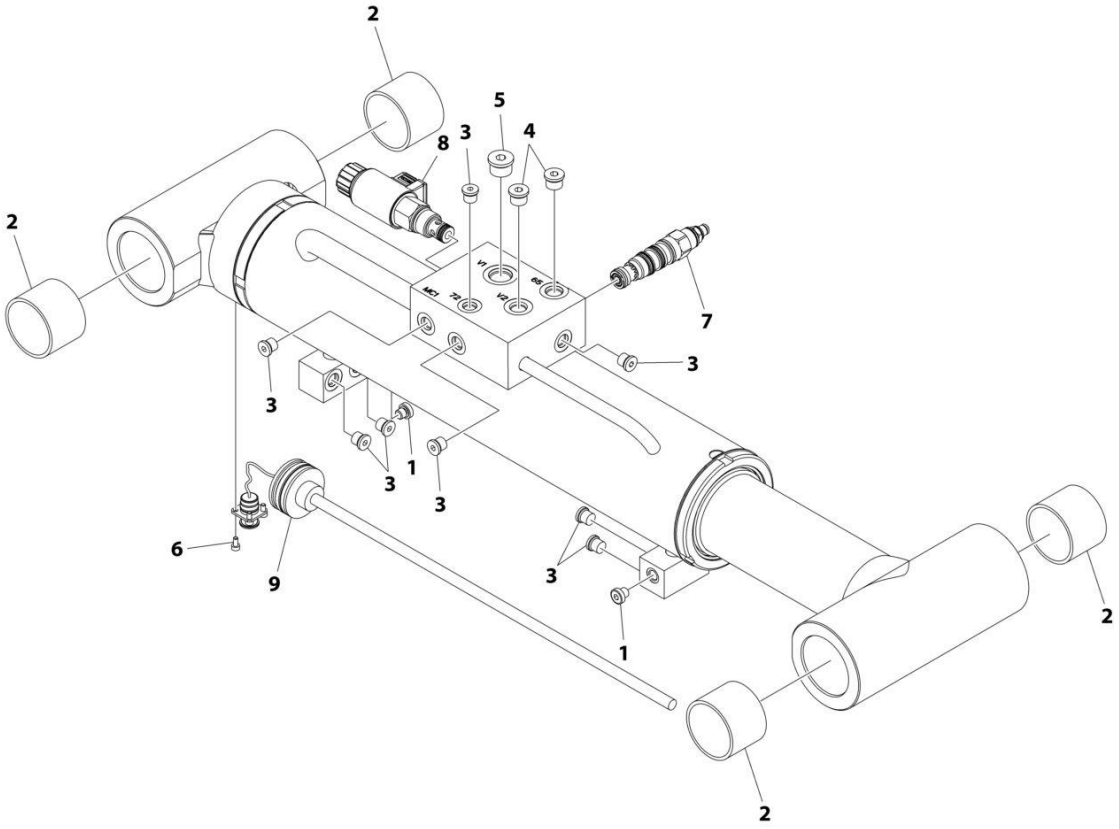


FIGURE 6-2. LEVEL CYLINDER ASSEMBLY - CHASSIS (SN 0300275371 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272273	Ref	LEVEL CYLINDER ASSEMBLY - CHASSIS	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
		Ref	Note: No Other Service Parts Available at Time of Printing.	
1	300163	2	Plug 1/8	
2	0961950	4	Bushing	
3	2220883	8	Plug #4	
4	2220885	2	Plug #6	
5	2220886	1	Plug #8	
6	4031504	4	Capscrew M4 x 8	
7	1001239521	1	Valve, Counterbalance Cartridge	
7	70006099	1	Seal Kit - 1001239521 Valve	
8	1001239598	1	Valve, Solenoid Cartridge	
8	70007317	1	Cartridge Less Coil	
8	7024503	1	Seal Kit - 1001239598 & 70007317 Valve	
8	70007318	1	Coil (Includes Nut)	
9	1001239956	1	Transducer	

FIGURE 6-3. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE

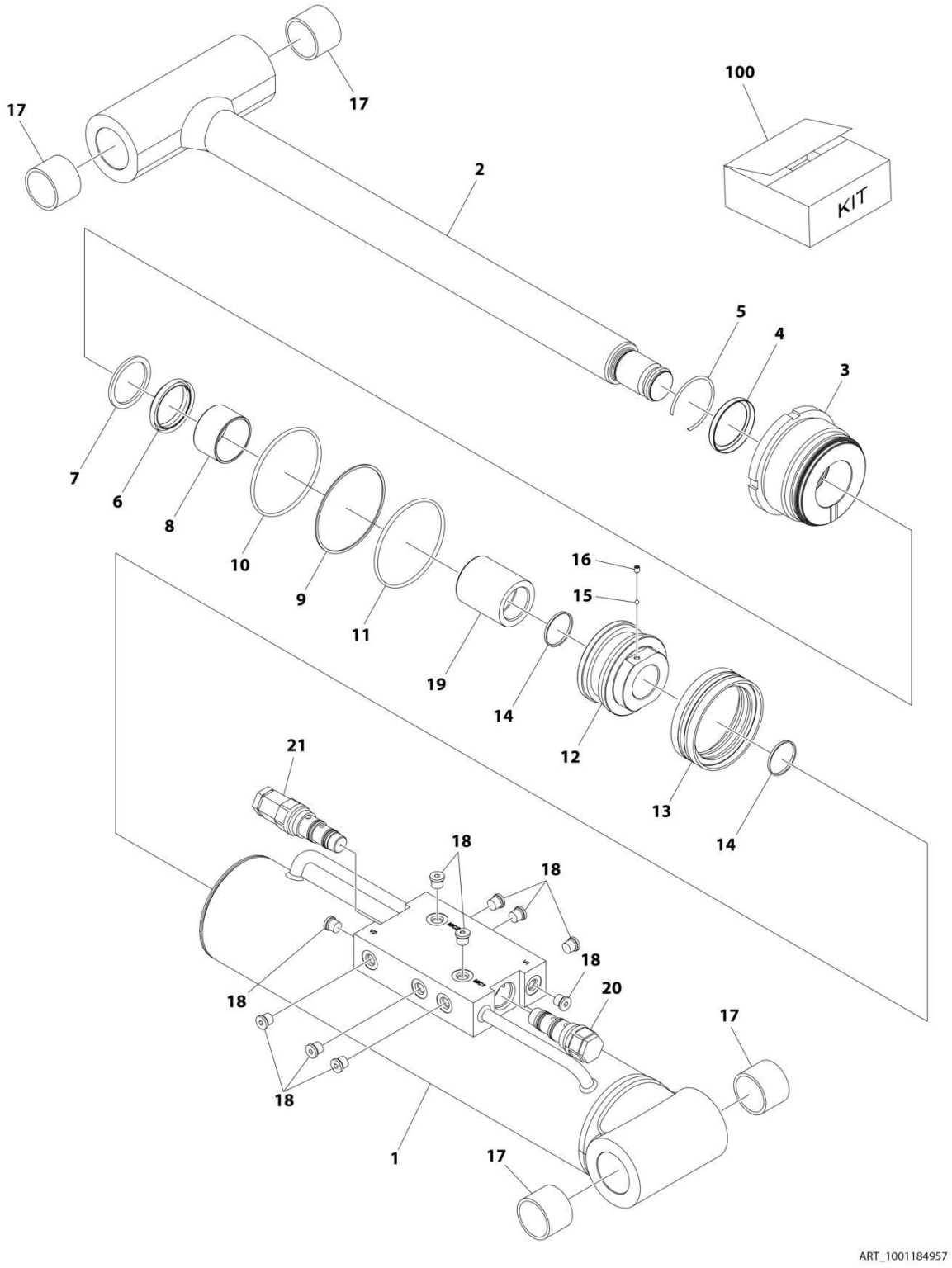


FIGURE 6-3. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184957	Ref	LEVEL CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005698	1	Barrel	
2	70005699	1	Rod	
3	70005700	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70002410	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	70004237	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 100)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
11	See Note	NSS	O-Ring (Note: Use Item 100)	
12	70005701	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 100)	
14	See Note	NSS	O-Ring (Note: Use Item 100)	
15	70022564	1	Ball	
16	70023369	1	Setscrew	
17	0961948	4	Bearing	
18	2220883	10	Plug	
19	70005702	1	Spacer	
20	4640999	1	Valve, Counterbalance	
20	2900792	1	Seal Kit - 4640999 Valve	
21	4640932	1	Valve, Counterbalance	
21	7011112	1	Seal Kit - 4640932 Valve	
100	70005703	1	Seal Kit - 1001184957 Cylinder (Include Items 4, 6, 7, 9, 10, 11, 13 & 14)	

FIGURE 6-4. LIFT CYLINDER ASSEMBLY - BOOM (Prior to SN 0300275371)

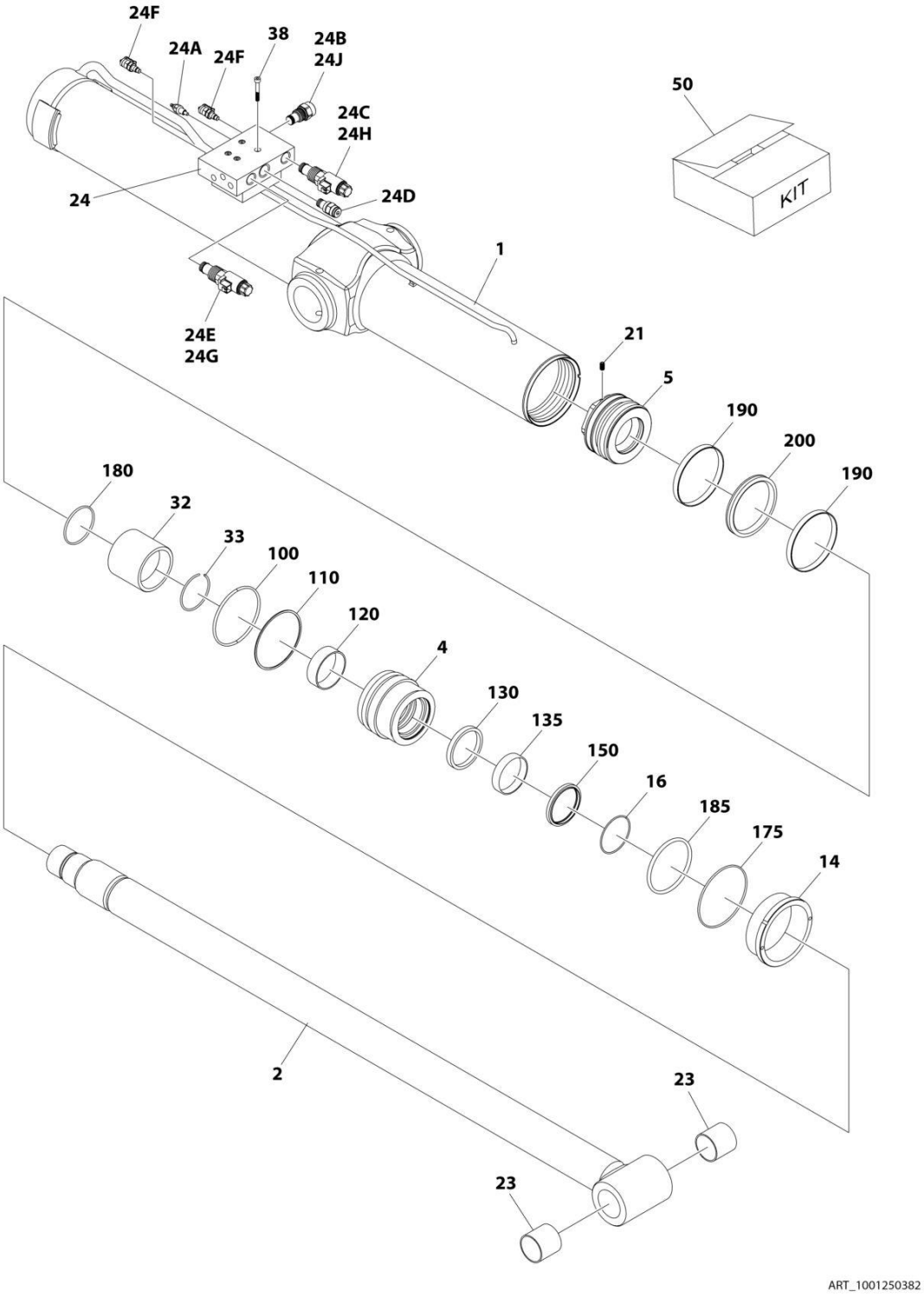


FIGURE 6-4. LIFT CYLINDER ASSEMBLY - BOOM (Prior to SN 0300275371)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250382	Ref	LIFT 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 (Use Part No.1001250382)	
2	70007332	1	Rod	
4	70005572	1	Head	
5	70025580	1	Piston	
14	70026164	1	Collar, Locking	
16	70000699	1	Ring, retaining	
21	70025582	1	Setscrew	
23	0962423	2	Bushing	
24	70007333	1	Valve Assembly	
24A	70007341	1	Cartridge Valve	
24A	70004867	1	Seal Kit	
24B	70007342	1	Cartridge Valve (Relief)	
24B	7024502	1	Seal Kit	
24C	70007343	1	Cartridge Solenoid Valve Less Coil (No Seal Kit Available)	
24D	70007344	1	Cartridge Valve (No Seal Kit Available) (Without 1001271456 Enhancement Kit)	
24D	1001271454	1	Plug (No Seal Kit Available) (With 1001271456 Enhancement Kit)	
24E	70007345	1	Cartridge Solenoid Valve Less Coil	
24E	7024503	1	Seal Kit	
24F	2221086	1	Fitting, Test	
24G	70007323	1	Coil	
24H	70006004	1	Coil	
24J	70007346	1	Nozzle	
24K	70007347	1	O-Ring (Valve to Mounting Block - Not Shown)	
32	70006260	1	Spacer	
33	70005575	1	Wire, retaining	
38	70007334	4	Capscrew	
50	70005563	1	Seal Kit - Cylinder (Includes Items 100 - 200)	
100	See Note	NSS	O-Ring (Note: Use Item 50)	
110	See Note	NSS	Ring, Backup (Note: Use Item 50)	
120	See Note	NSS	Ring, Bearing (Note: Use Item 50)	
130	See Note	NSS	Seal, Rod (Note: Use Item 50)	
135	See Note	NSS	Ring, Bearing (Note: Use Item 50)	
150	See Note	NSS	Wiper (Note: Use Item 50)	
175	See Note	NSS	O-Ring (Note: Use Item 50)	
180	See Note	NSS	O-Ring (Note: Use Item 50)	
185	See Note	NSS	O-Ring (Note: Use Item 50)	
190	See Note	NSS	Ring, Bearing (Note: Use Item 50)	
200	See Note	NSS	Seal, Piston (Note: Use Item 50)	

FIGURE 6-5. LIFT CYLINDER ASSEMBLY - BOOM (SN 0300275371 to Present)

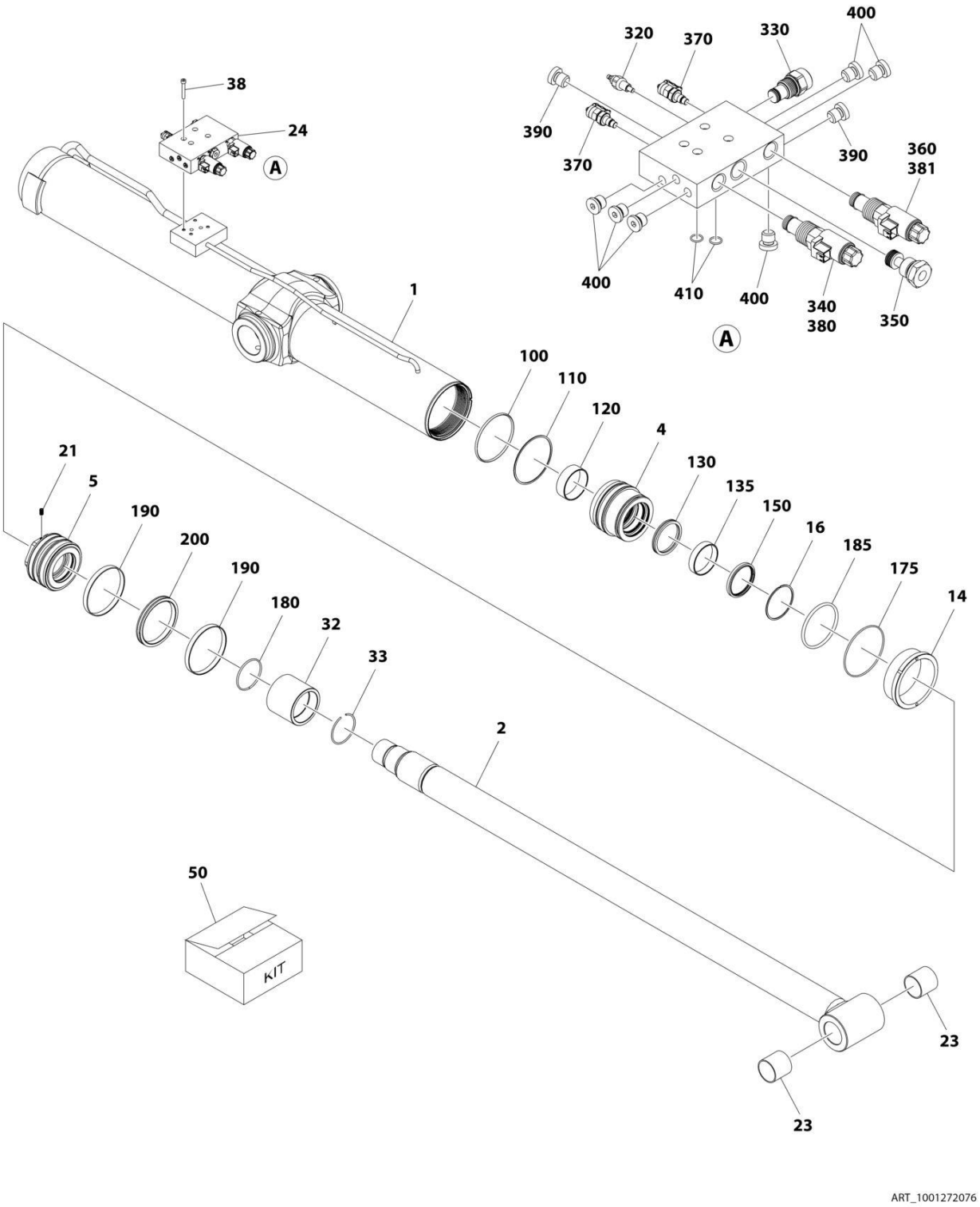


FIGURE 6-5. LIFT CYLINDER ASSEMBLY - BOOM (SN 0300275371 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272076	Ref	LIFT CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001272076)	
2	See Note	NSS	Rod (Note: Use PN 1001272076)	
4	70005572	1	Head	
5	70025580	1	Piston	
14	70026164	1	Lock	
16	70000699	1	Ring, Retaining	
21	70025582	1	Set Screw M10 x 20	
23	70007838	2	Bushing	
24	See Note	NSS	Valve Assembly (Note: Complete Assembly Not Available - Purchase Individual Components) (See Items 320-410)	
32	70006260	1	Spacer	
33	70005575	1	Ring, Retaining	
38	70007334	4	Capscrew M8 x 55	
50	70005563	1	Seal Kit - 1001272076 Cylinder (Includes Items 100-200)	
100	See Note	NSS	O-Ring (Note: Use Item 50)	
110	See Note	NSS	Ring, Back-Up (Note: Use Item 50)	
120	See Note	NSS	Ring, Wear (Note: Use Item 50)	
130	See Note	NSS	Seal (Note: Use Item 50)	
135	See Note	NSS	Ring, Wear (Note: Use Item 50)	
150	See Note	NSS	Wiper (Note: Use Item 50)	
175	See Note	NSS	O-Ring (Note: Use Item 50)	
180	See Note	NSS	O-Ring (Note: Use Item 50)	
185	See Note	NSS	O-Ring (Note: Use Item 50)	
190	See Note	NSS	Ring (Note: Use Item 50)	
200	See Note	NSS	Seal (Note: Use Item 50)	
320	70007341	1	Cartridge	
320	70004867	1	Seal Kit - 70007341 Valve	
330	70007342	1	Cartridge, Relief	
330	7024502	1	Seal Kit - 70007342 Valve	
340	70007343	1	Cartridge, Solenoid	
350	1001271454	1	Plug	
360	70007345	1	Cartridge, Solenoid	
360	7024503	1	Seal Kit - 70007345 Valve	
370	2221086	2	Fitting, Test	
380	70007323	1	Coil	
381	70006004	1	Coil	
390	70007346	2	Orifice	
400	70026973	6	Plug 1/8	
410	70007347	2	O-Ring	

FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB (Prior to SN 0300289956)

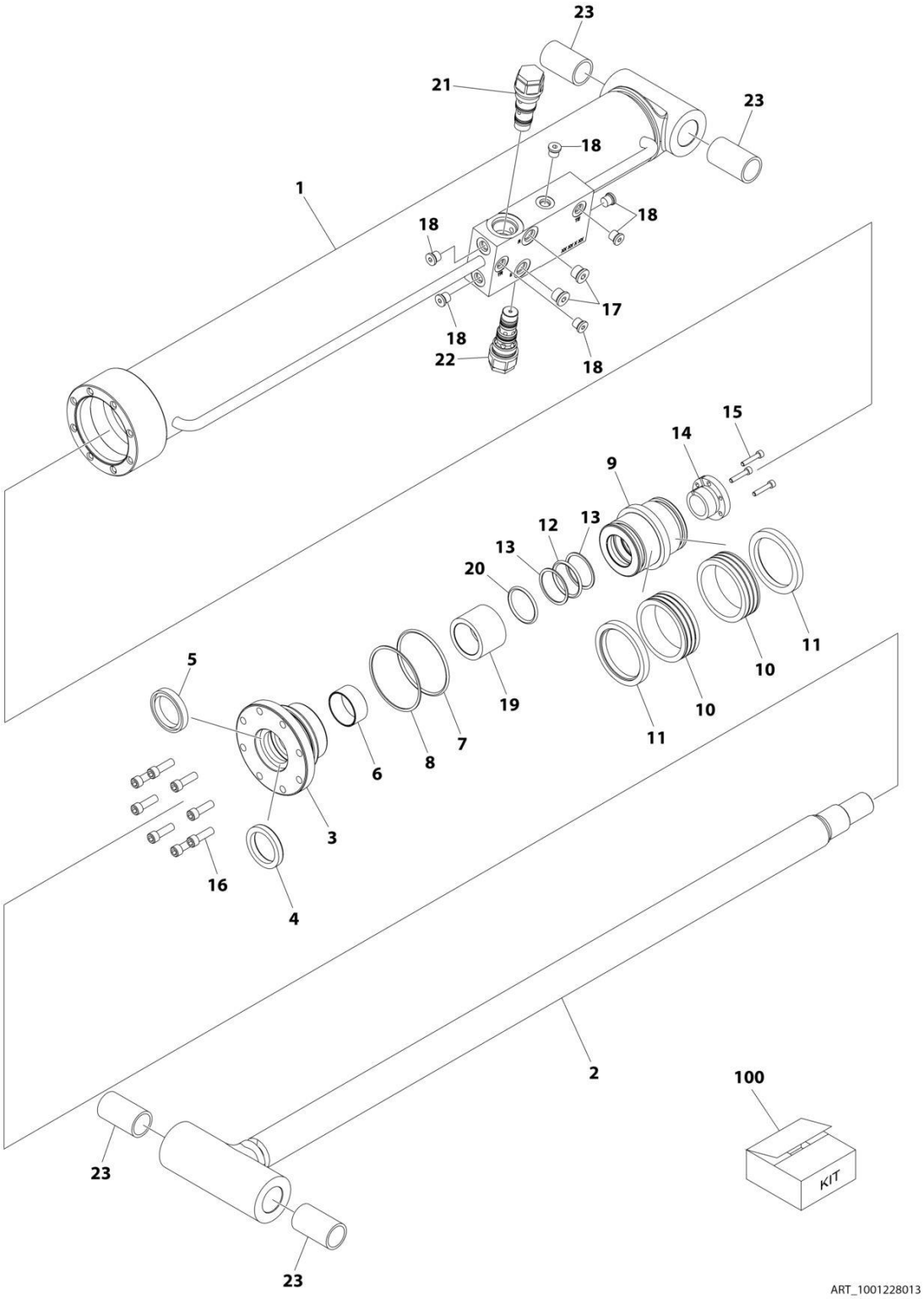


FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB (Prior to SN 0300289956)

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

FIGURE 6-7. LIFT CYLINDER ASSEMBLY - JIB (SN 0300289956 to Present)

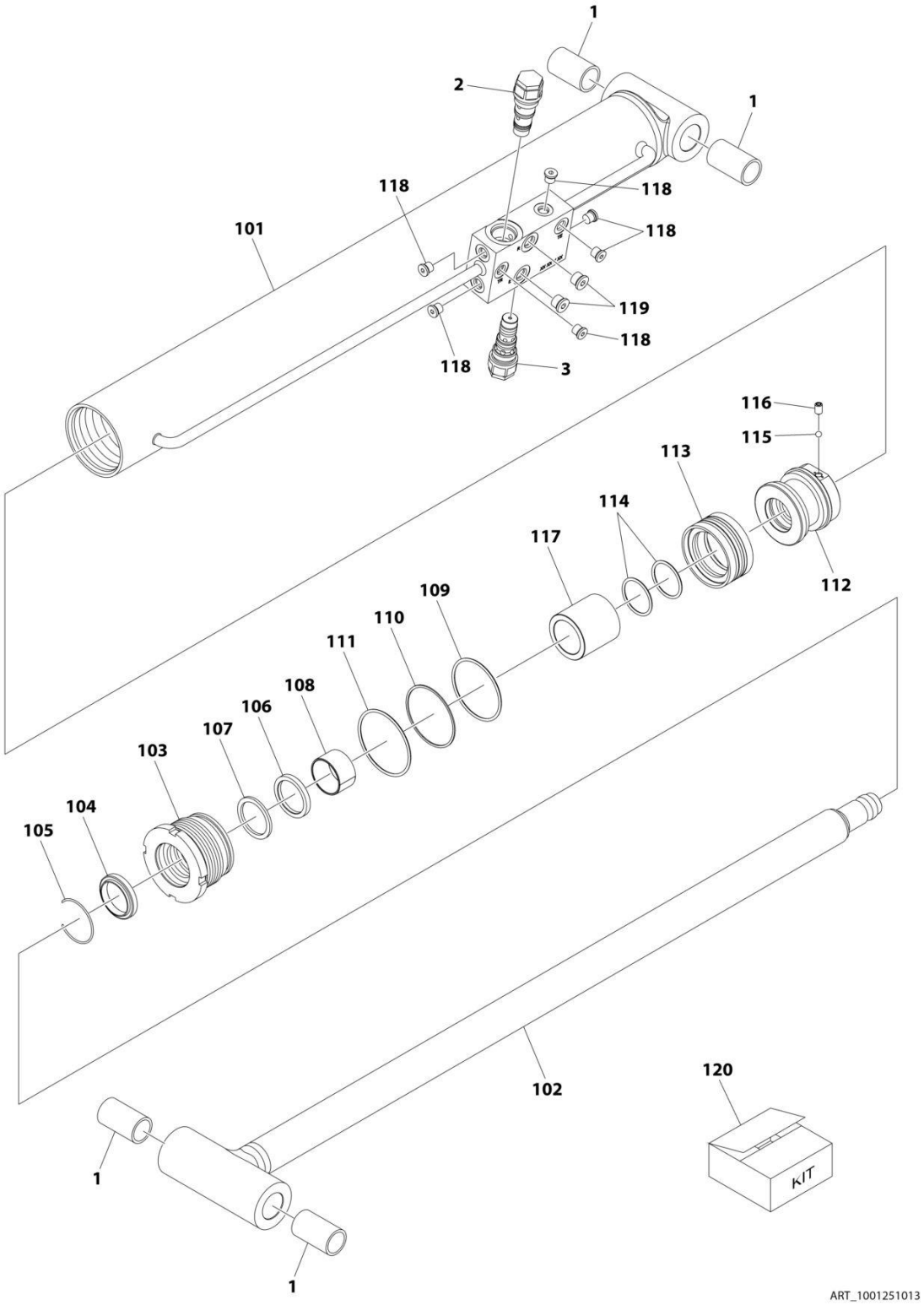


FIGURE 6-7. LIFT CYLINDER ASSEMBLY - JIB (SN 0300289956 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251013	Ref	LIFT CYLINDER ASSEMBLY	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0962336	4	Bushing	
2	4640509	1	Cartridge, Valve	
2	2900792	1	Seal Kit - 4640509 Valve	
3	1001231963	1	Cartridge, Valve	
3	70004186	1	Seal Kit - 1001231963 Valve	
101	See Note	NSS	Tube (Note: Not Available for Purchase)	
102	70008175	1	Rod	
103	70008176	1	Head	
104	See Note	NSS	Wiper, Dust (Note: Use Item 120)	
105	70002373	1	Ring, Retaining	
106	See Note	NSS	Seal, Rod (Note: Use Item 120)	
107	See Note	NSS	Ring, Backup (Note: Use Item 120)	
108	70005871	1	Bushing	
109	See Note	NSS	O-Ring (Note: Use Item 120)	
110	See Note	NSS	Ring, Backup (Note: Use Item 120)	
111	See Note	NSS	O-Ring (Note: Use Item 120)	
112	70008177	1	Piston	
113	See Note	NSS	Seal, Piston (Note: Use Item 120)	
114	See Note	NSS	O-Ring (Note: Use Item 120)	
115	70022564	1	Ball, Steel	
116	70006596	1	Setscrew	
117	70008178	1	Spacer	
118	2220883	6	Plug 7/16	
119	2220885	2	Plug 9/16	
120	70008179	1	Seal Kit (Includes Items 104, 106-107, 109-111 & 113-114)	

FIGURE 6-8. STEER CYLINDER ASSEMBLY

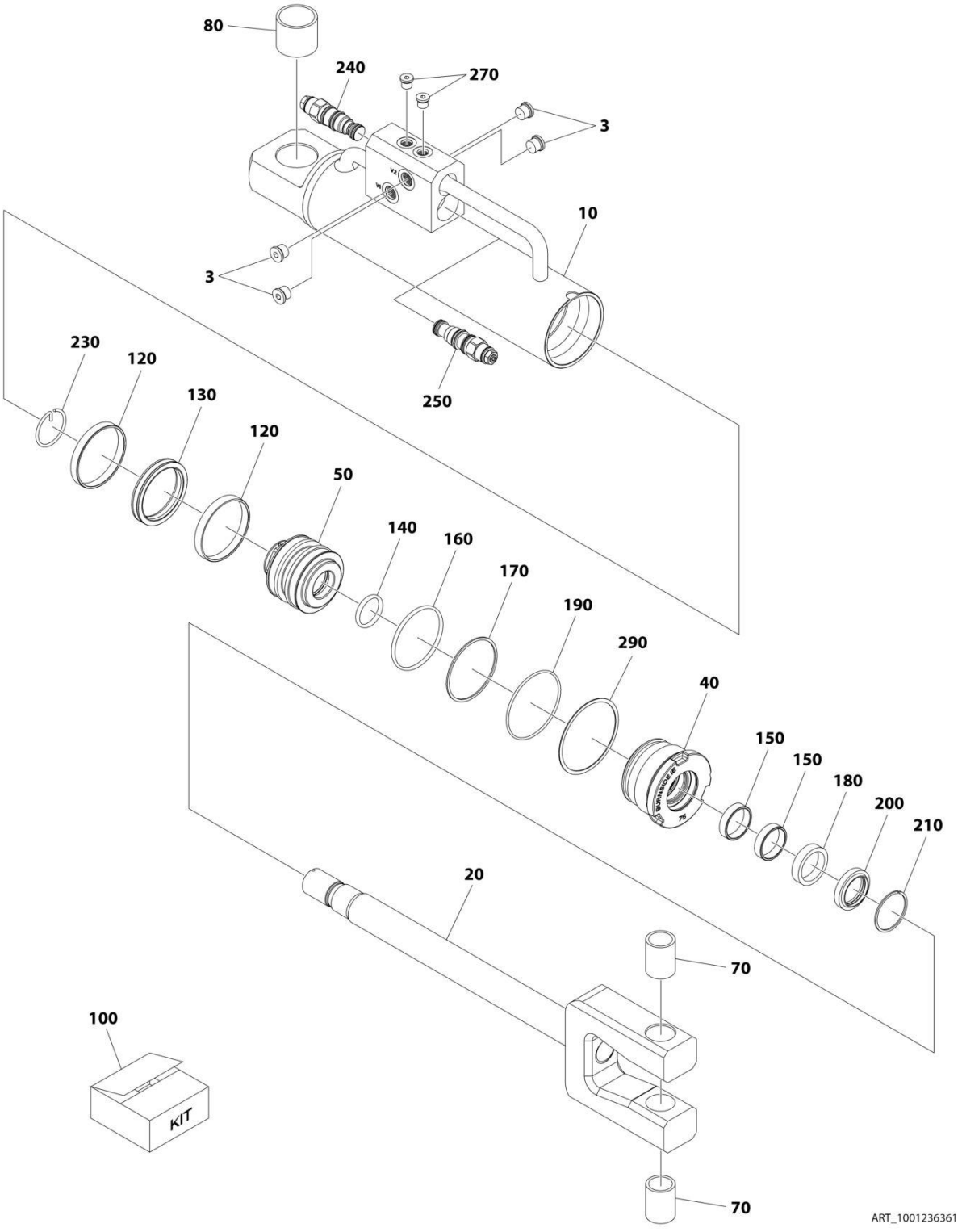


FIGURE 6-8. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236361	Ref	STEER CYLINDER	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
3	2220885	4	Plug #6	
10	See Note	NSS	Barrel (Note: Purchase Complete Assembly)	
20	70007458	1	Rod	
40	70007459	1	Head	
50	70003819	1	Piston	
70	0962422	2	Bushing	
80	0962272	1	Bushing	
100	70007457	1	Seal Kit - 1001236361 Cylinder (Includes Items 120-200)	
120	See Note	NSS	Piston Bearing Ring, Wear (Note: Use Item 100)	
130	See Note	NSS	Seal, Piston (Note: Use Item 100)	
140	See Note	NSS	O-Ring (Note: Use Item 100)	
150	See Note	NSS	Ring, Wear (Note: Use Item 100)	
160	See Note	NSS	O-Ring (Note: Use Item 100)	
170	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
180	See Note	NSS	Seal, Rod (Note: Use Item 100)	
190	See Note	NSS	O-Ring (Note: Use Item 100)	
200	See Note	NSS	Wiper (Note: Use Item 100)	
210	70002220	1	Ring, Retaining	
230	70002216	1	External Spring Ring	
251	1001239514	1	Valve (Counterbalance Cartridge)	
240	2900770	1	Seal Kit - 1001259515 Valve	
241	1001239515	1	Valve (Counterbalance Cartridge)	
250	2900770	1	Seal Kit - 1001259514 Valve	
270	2220883	2	Plug #4	
290	70007456	1	Washer	

FIGURE 6-9. TELESCOPE CYLINDER ASSEMBLY

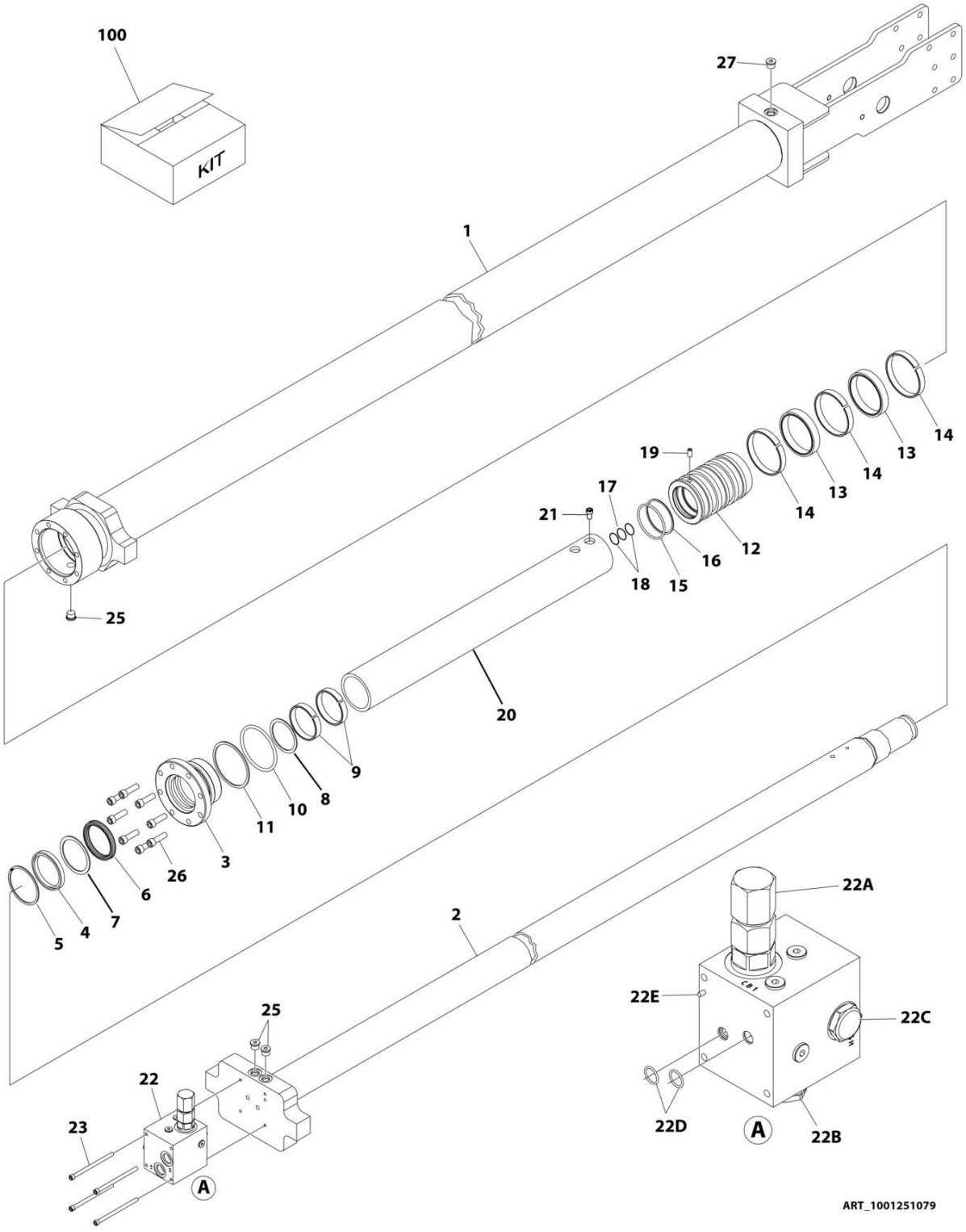
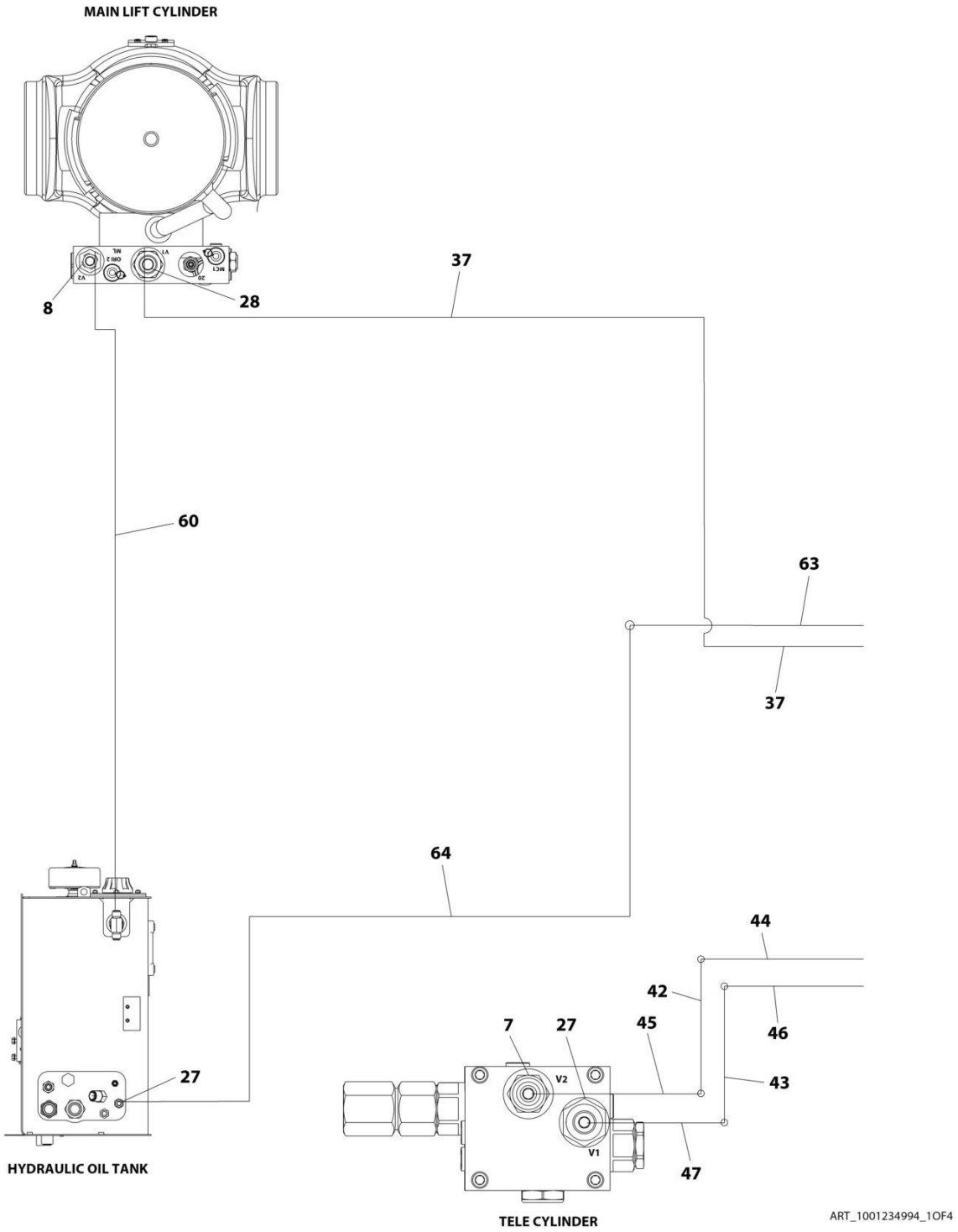


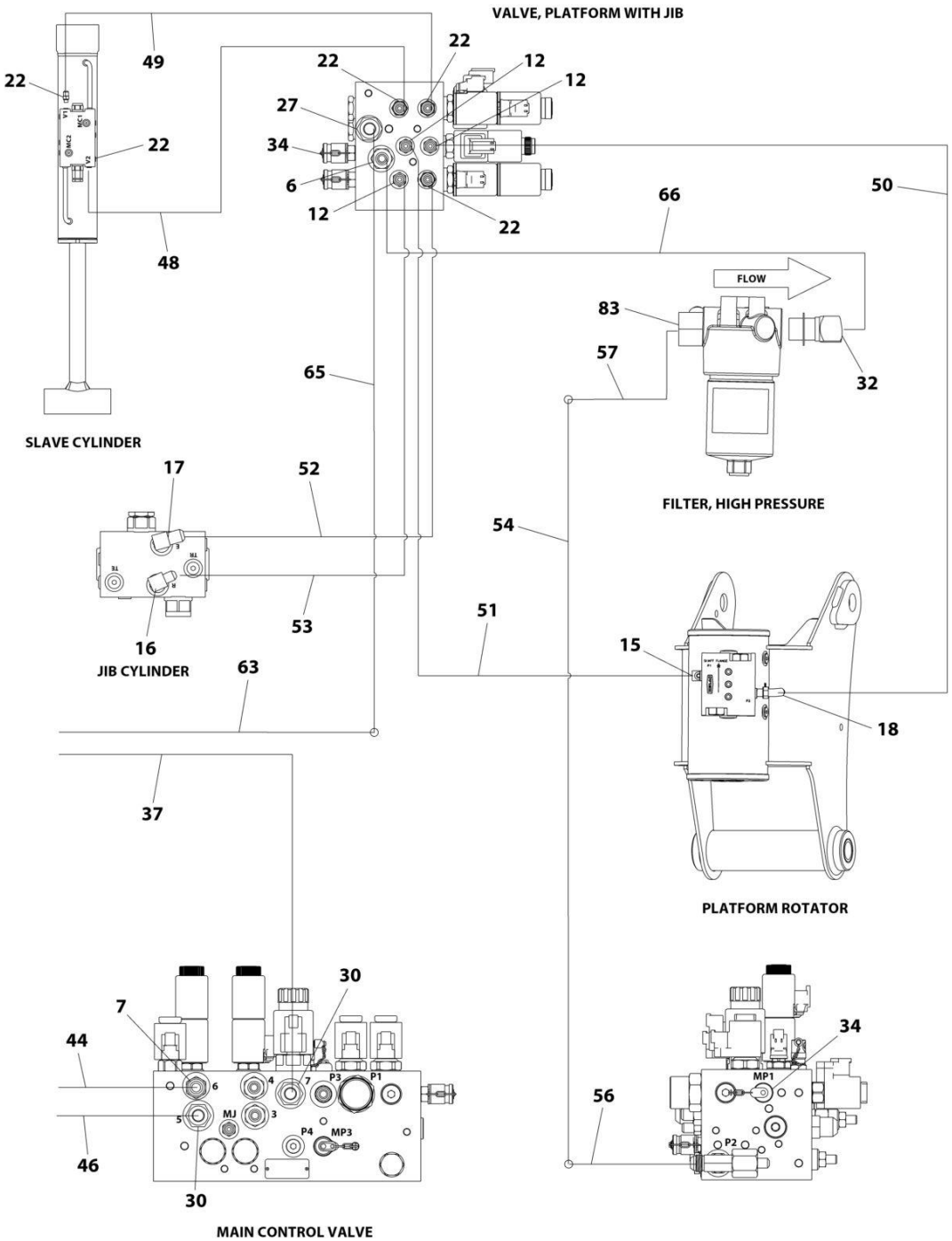
FIGURE 6-9. TELESCOPE CYLINDER ASSEMBLY

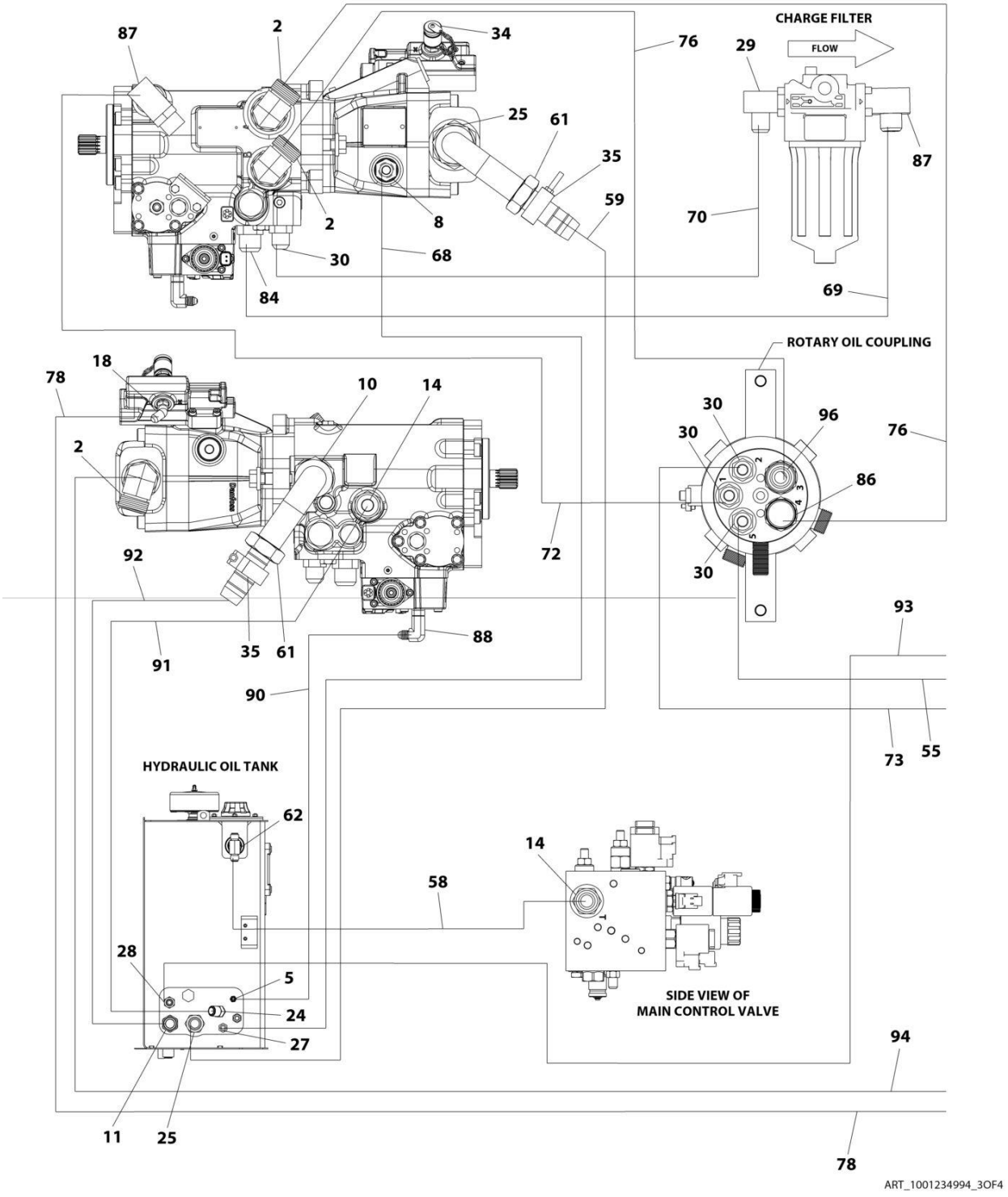
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251079	Ref	TELESCOPE CYLINDER ASSEMBLY	B
	See Note	Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001251079)	
2	70006978	1	Rod	
3	70006979	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70050795	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	See Note	NSS	Ring, Buffer (Note: Use Item 100)	
9	See Note	NSS	Ring, Wear (Note: Use Item 100)	
10	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
12	70006980	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 100)	
14	See Note	NSS	Ring, Wear (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
17	See Note	NSS	O-Ring (Note: Use Item 100)	
18	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
19	70005839	1	Setscrew M8 x 12	
20	70006981	1	Spacer	
21	70006731	1	Bolt M8 x 12	
22	1001133245	1	Valve Assembly	
22A	70003926	1	Cartridge, Valve	
22A	70004186	1	Seal Kit - 70003926 Valve	
22B	70004155	1	Cartridge, Valve	
22B	70004186	1	Seal Kit - 70004155 Valve	
22C	70003928	1	Cartridge, Valve	
22C	70003929	1	Seal Kit - 70003928 Valve	
22D	70003982	2	Seal	
22E	70003930	1	Roll Pin	
23	70005595	4	Bolt M6 x 100	
25	2220885	3	Plug 9/16	
26	70006982	8	Bolt M10 x 45	
27	2220883	1	Plug 7/16	
100	70006983	1	Seal Kit - 1001251079 Cylinder (Includes Items 4, 6-11 & 13-18	

SECTION 7 - HYDRAULIC

FIGURE 7-1. HYDRAULIC DIAGRAM - BOOM AND TURNTABLE (Prior to SN 0300275371)




VALVE, PLATFORM WITH JIB
SLAVE CYLINDER
JIB CYLINDER
FILTER, HIGH PRESSURE
PLATFORM ROTATOR
MAIN CONTROL VALVE
FLOW
ART_1001234994_2OF4


CHARGE FILTER
FLOW
ROTARY OIL COUPLING
HYDRAULIC OIL TANK
SIDE VIEW OF
MAIN CONTROL VALVE
87
2
34
76
29
25
61
35
59
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30
68
84
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18
78
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14
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92
72
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94
78
ART_1001234994_3OF4

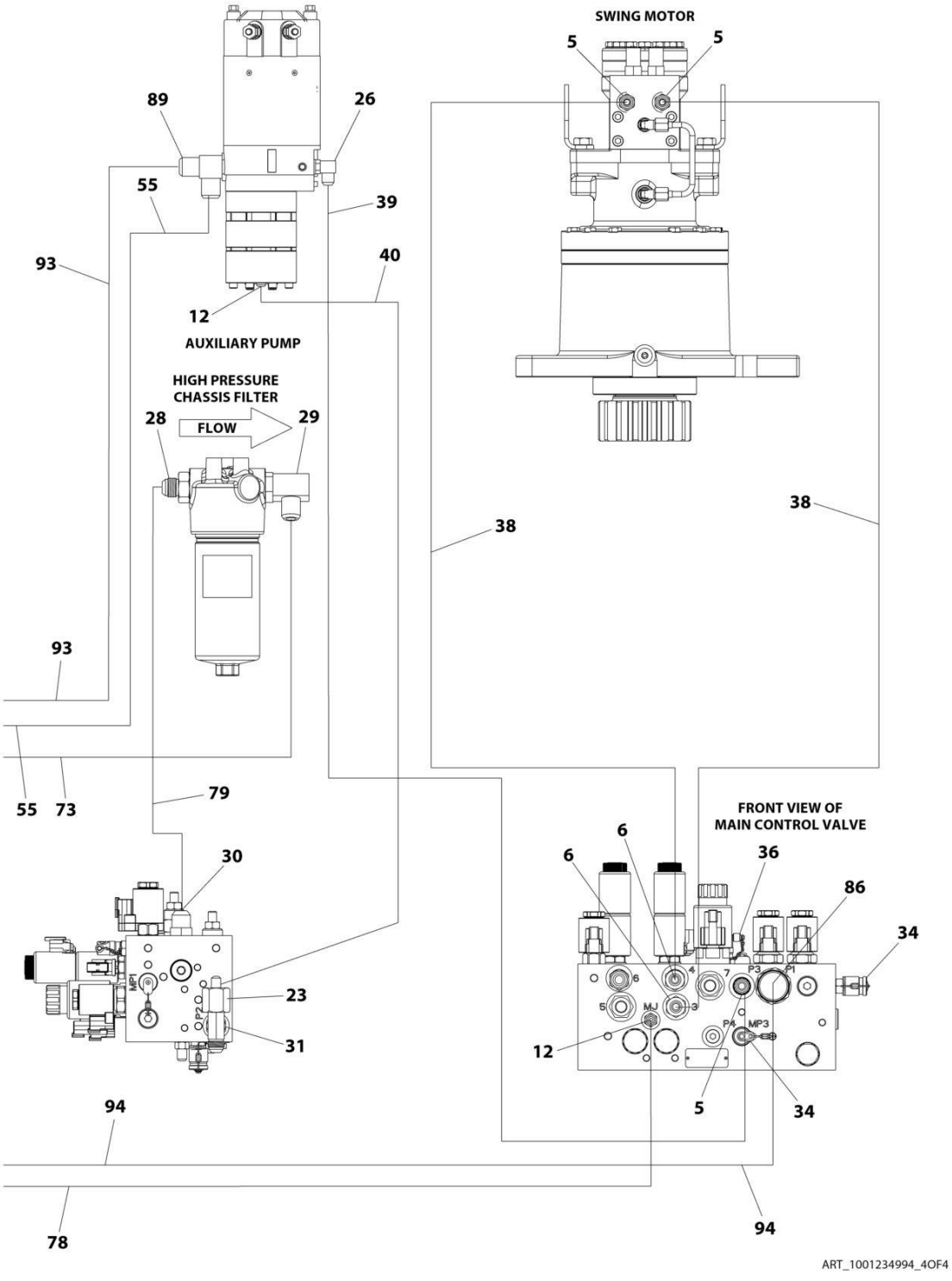
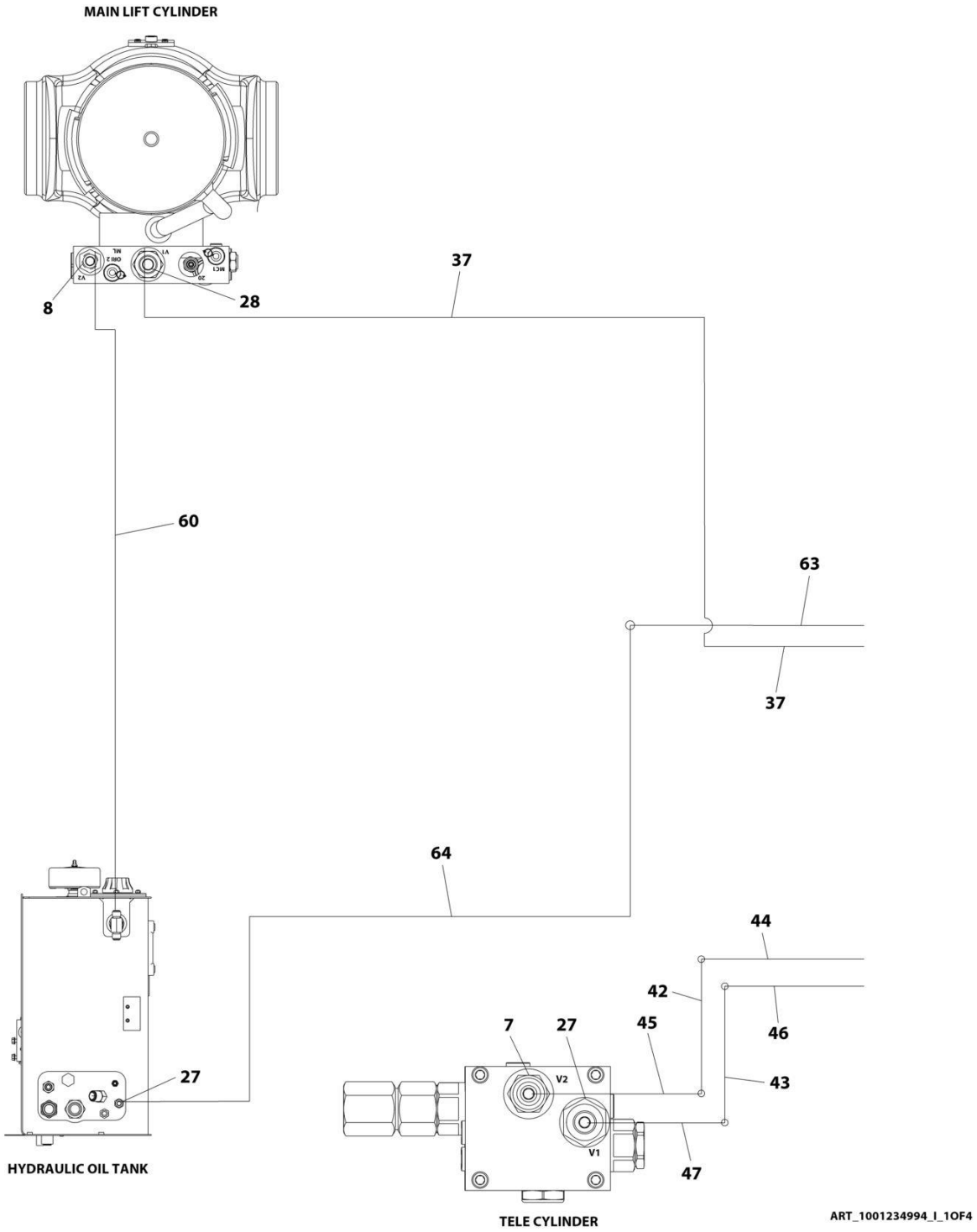

SWING MOTOR
5
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89
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93
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12
AUXILIARY PUMP
HIGH PRESSURE
CHASSIS FILTER
28
FLOW
29
38
38
93
55
73
79
30
23
31
94
78
FRONT VIEW OF
MAIN CONTROL VALVE
6
6
36
86
34
12
5
34
94
ART_1001234994_4OF4

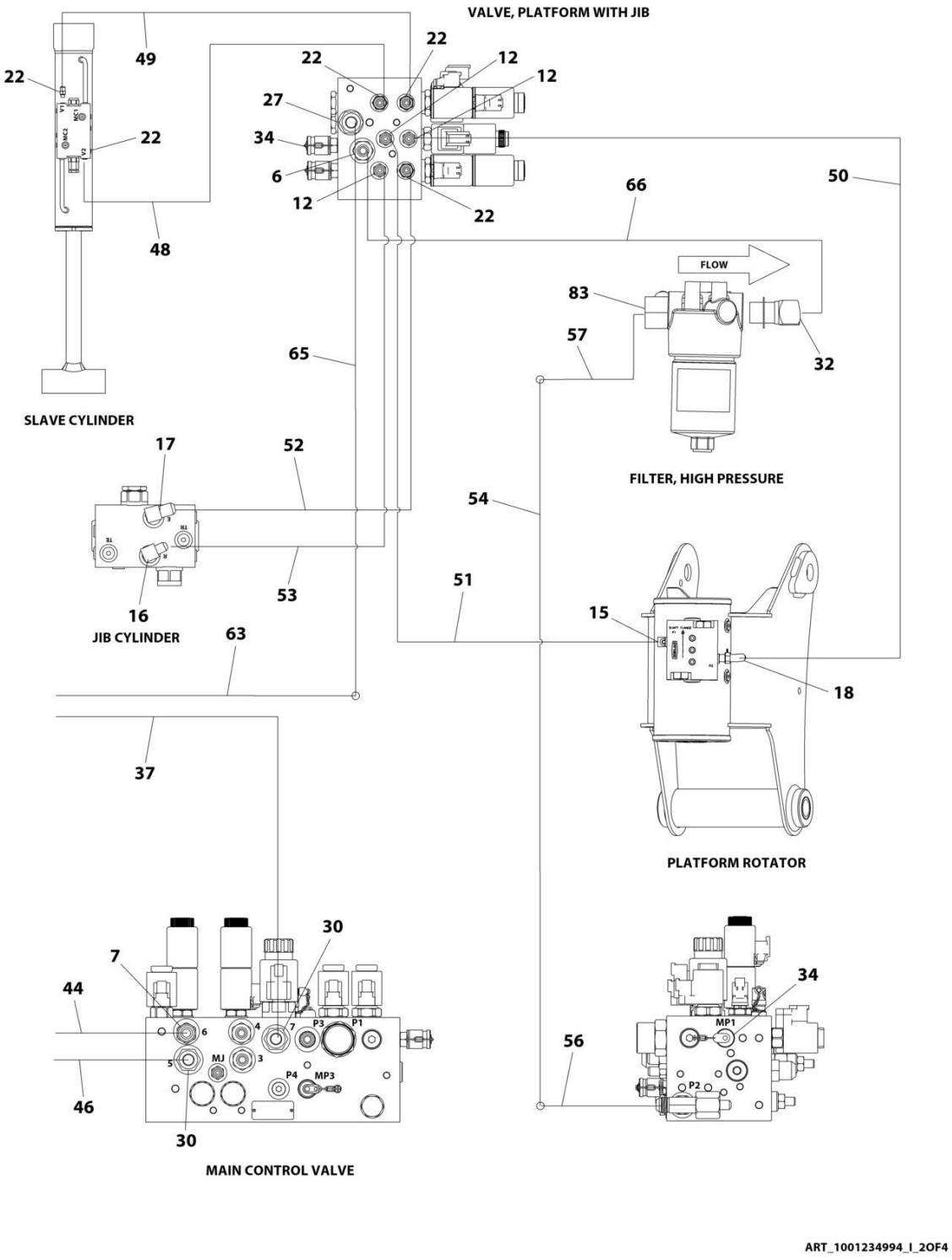
FIGURE 7-1. HYDRAULIC DIAGRAM - BOOM AND TURNTABLE (Prior to SN 0300275371)

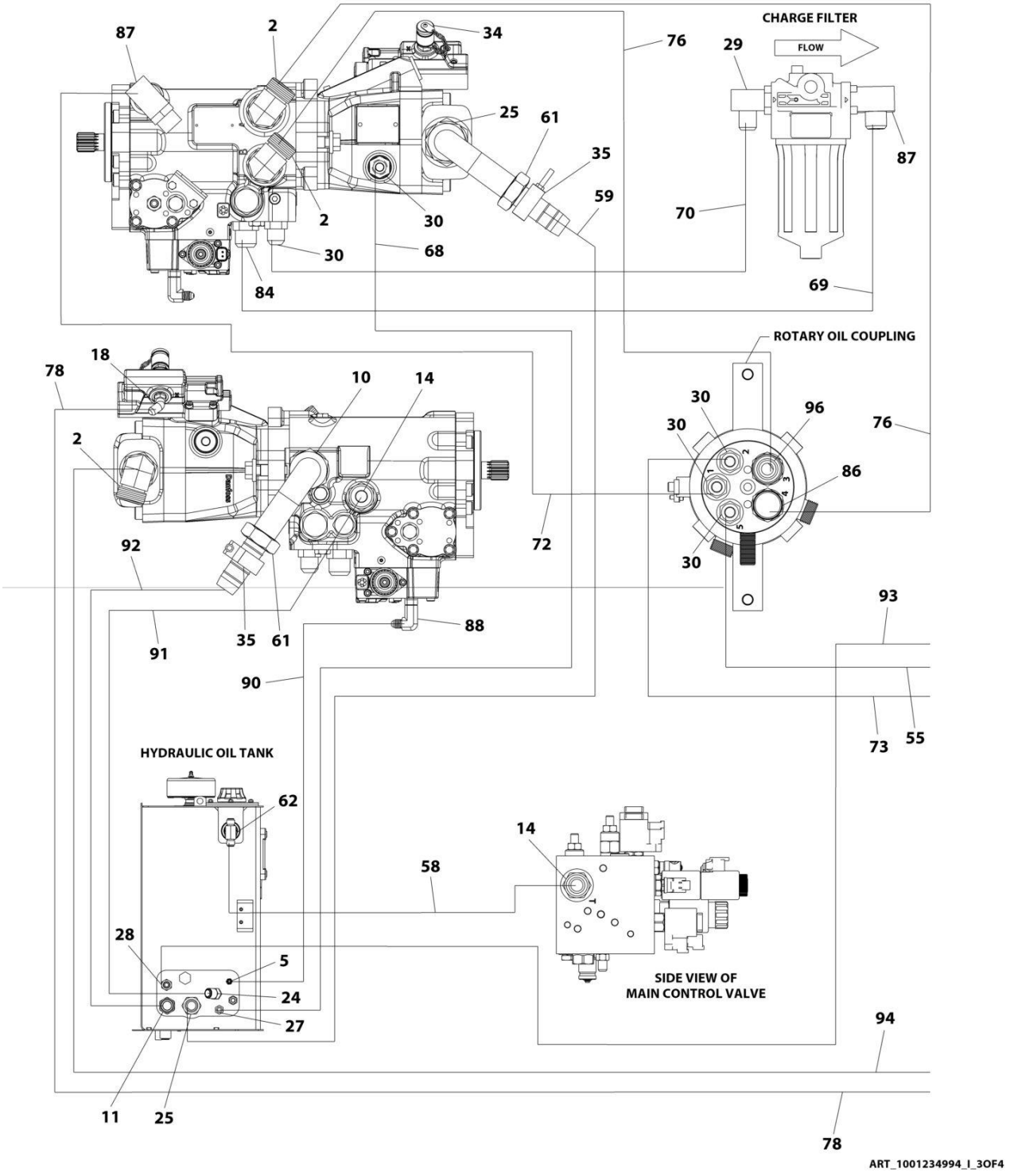
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234994	Ref	HYDRAULIC DIAGRAM - BOOM AND TURNTABLE	F
2	2131616	3	Fitting, 90 ORFS/ORB	
5	2220371	4	Fitting, Straight JIC/ORB	
6	2220372	3	Fitting, Straight JIC/ORB	
7	2220373	2	Fitting, Straight JIC/ORB	
8	2220374	2	Fitting, Straight JIC/ORB	
10	2220479	1	Fitting, Straight JIC/ORB	
11	2220380	1	Fitting, Straight JIC/ORB	
12	2220415	5	Fitting, Straight JIC/ORB	
14	2220451	2	Fitting, Straight JIC/ORB	
15	2220466	1	Fitting, 90 JIC/ORB	
16	2220472	1	Fitting, 90 JIC/ORB	
17	2220473	1	Fitting, 90 JIC/ORB	
18	2220502	2	Fitting, 45 JIC/ORB	
22	2220603	5	Fitting, Straight JIC/ORB	
23	2220618	1	Fitting, Straight JIC/FSJIC	
24	2220637	1	Fitting	
25	2220733	2	Fitting, Straight JIC/ORB	
26	2220775	1	Fitting, 90 JIC/ORB	
27	2220852	4	Fitting, Straight JIC/ORB	
28	2220865	3	Fitting, Straight JIC/ORB	
29	2220906	2	Fitting, 90 JIC/ORB	
30	2220947	7	Fitting, Straight JIC/ORB	
31	2220999	1	Fitting, Tee JIC/ORB/JIC	
32	2221048	1	Fitting, 90 JIC/ORB	
34	2221086	5	Fitting, Test	
35	80633030	2	Clamp	
36	1001119455	1	Valve, Oil Sampling	
37	1001192641	1	Hose	
38	1001192651	2	Hose	
39	1001192654	1	Hose	
40	1001192655	1	Hose	
42	1001192693	1	Tube	
43	1001192694	1	Tube	
44	1001192695	1	Hose	
45	1001192696	1	Hose	
46	1001192698	1	Hose	
47	1001192699	1	Hose	
48	1001193927	1	Hose	
49	1001193928	1	Hose	
50	1001193929	1	Hose	
51	1001193930	1	Hose	
52	1001193932	1	Hose	
53	1001193933	1	Hose	
54	1001201255	1	Tube	
55	1001246156	1	Hose	
56	1001203424	1	Hose	
57	1001203426	1	Hose	
58	1001203430	1	Hose	
59	1001203432	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
60	1001204645	1	Hose	
61	1001205824	2	Fitting, 90 Barb	
62	1001214408	1	Fitting, Tee JIC/ORB/JIC	
63	1001220903	1	Tube	
64	1001220912	1	Hose	
65	1001221016	1	Hose	
66	1001222522	1	Hose	
68	1001239016	1	Hose	
69	1001192669	1	Hose	
70	1001192667	1	Hose	
72	1001246157	1	Hose	
73	1001246158	1	Hose	
76	1001246161	2	Hose	
78	1001246163	1	Hose	
79	1001247450	1	Hose	
83	2220366	1	Fitting, 90 JIC/ORB	
84	2220408	1	Fitting, Straight JIC/ORB	
86	2111612	2	Fitting, Straight ORFS/ORB	
87	2220578	2	Fitting, 90 JIC/ORB	
88	2220940	1	Fitting, 90 JIC/ORB	
89	2221051	1	Fitting, Tee Run	
90	1001192690	1	Hose	
91	1001203431	1	Hose	
92	1001203433	1	Hose	
93	1001228226	1	Hose	
94	1001249255	1	Hose	
96	88662327	1	Fitting, Straight ORFS/ORB	

FIGURE 7-2. HYDRAULIC DIAGRAM - BOOM AND TURNTABLE (SN 0300275371 to Present)




VALVE, PLATFORM WITH JIB
SLAVE CYLINDER
JIB CYLINDER
FILTER, HIGH PRESSURE
PLATFORM ROTATOR
MAIN CONTROL VALVE
FLOW
ART_1001234994_I_2OF4


CHARGE FILTER
FLOW
ROTARY OIL COUPLING
HYDRAULIC OIL TANK
SIDE VIEW OF
MAIN CONTROL VALVE
ART_1001234994_I_3OF4

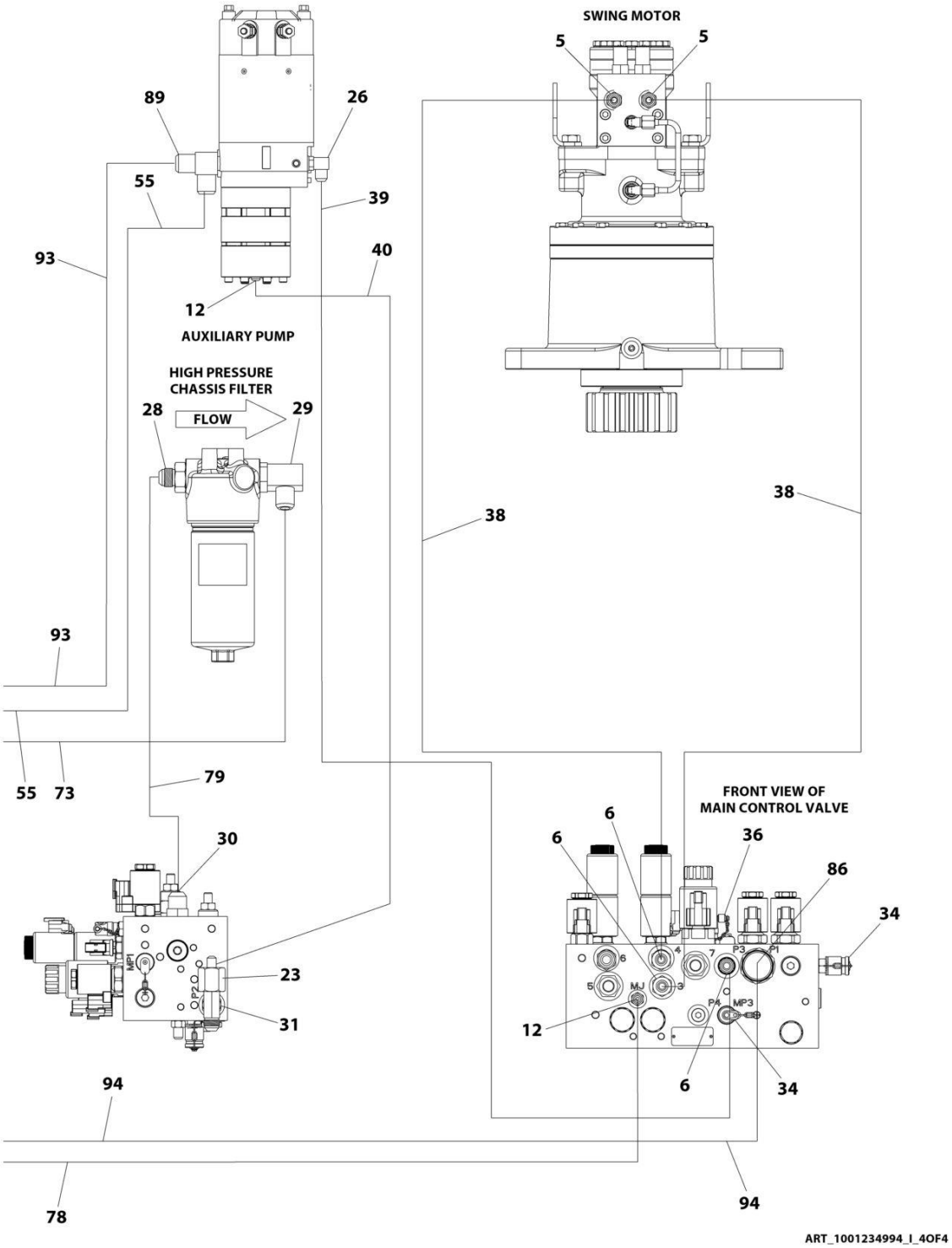
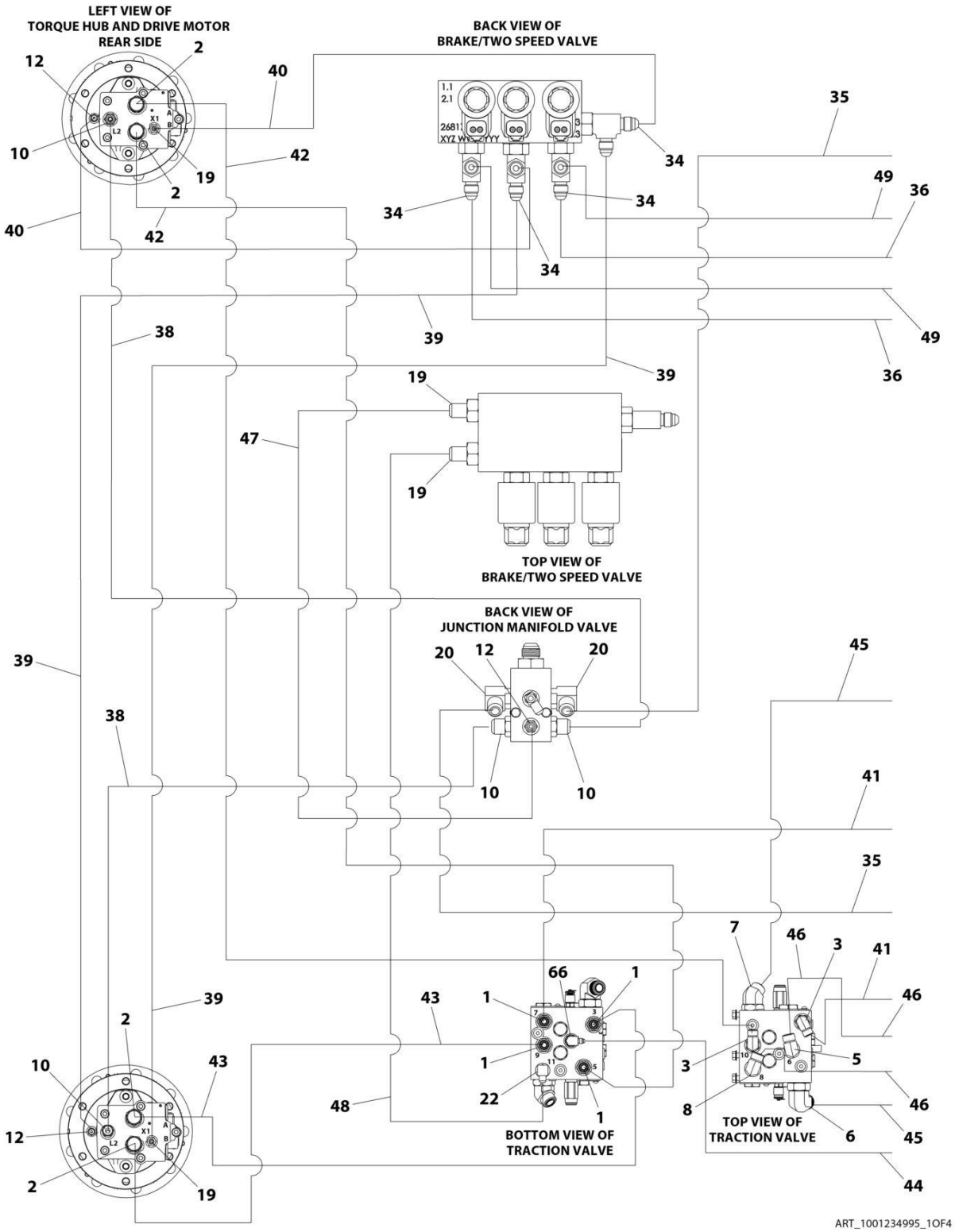

SWING MOTOR
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AUXILIARY PUMP
HIGH PRESSURE
CHASSIS FILTER
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FLOW
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FRONT VIEW OF
MAIN CONTROL VALVE
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ART_1001234994_I_4OF4

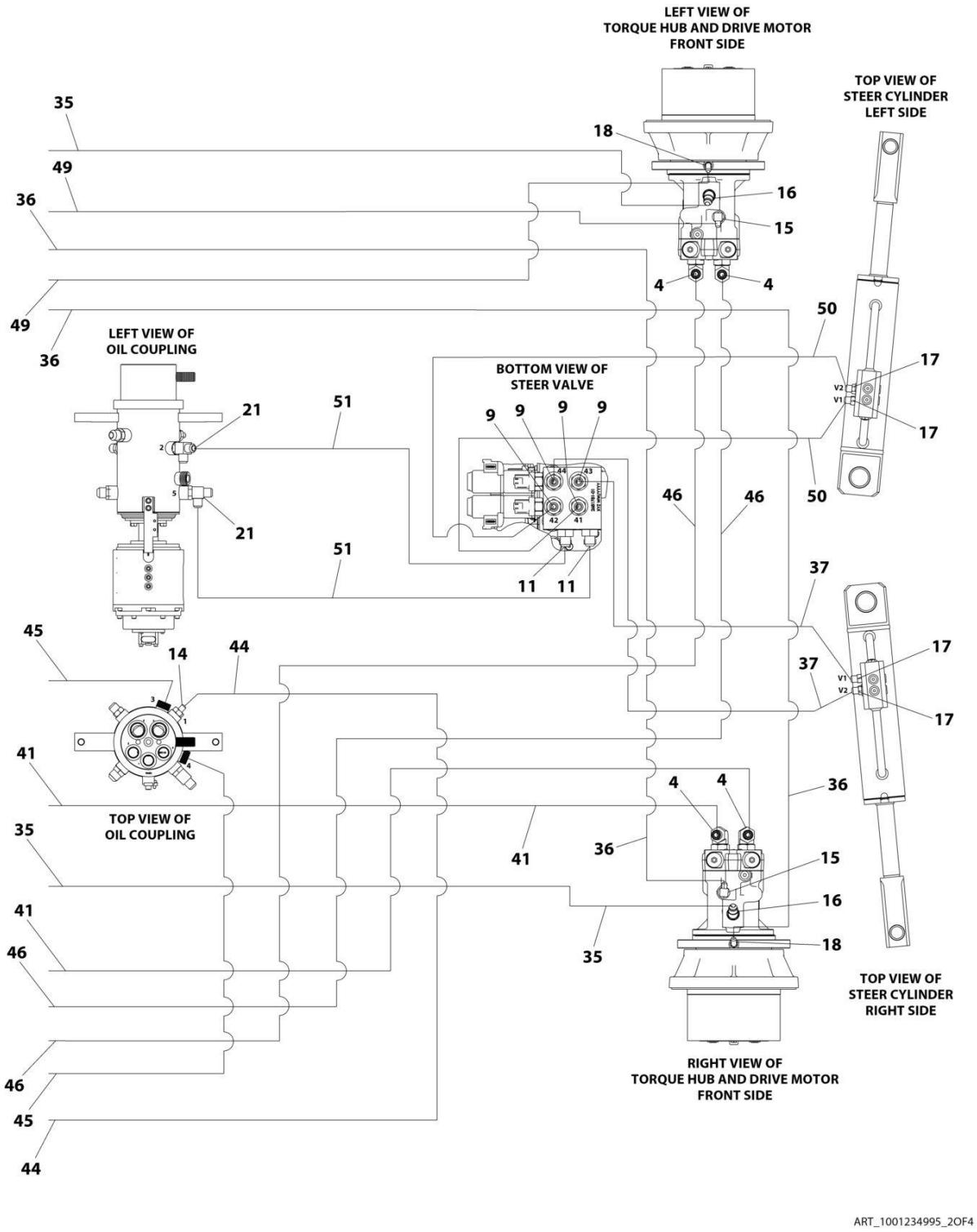
FIGURE 7-2. HYDRAULIC DIAGRAM - BOOM AND TURNTABLE (SN 0300275371 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234994	Ref	HYDRAULIC DIAGRAM - BOOM AND TURNTABLE	I
2	2131616	3	Fitting, 90 ORFS/ORB	
5	2220371	3	Fitting, Straight JIC/ORB	
6	2220372	4	Fitting, Straight JIC/ORB	
7	2220373	2	Fitting, Straight JIC/ORB	
8	2220374	1	Fitting, Straight JIC/ORB	
10	2220479	1	Fitting, Straight JIC/ORB	
11	2220380	1	Fitting, Straight JIC/ORB	
12	2220415	5	Fitting, Straight JIC/ORB	
14	2220451	2	Fitting, Straight JIC/ORB	
15	2220466	1	Fitting, 90 JIC/ORB	
16	2220472	1	Fitting, 90 JIC/ORB	
17	2220473	1	Fitting, 90 JIC/ORB	
18	2220502	2	Fitting, 45 JIC/ORB	
22	2220603	5	Fitting, Straight JIC/ORB	
23	2220618	1	Fitting, Straight JIC/FSJIC	
24	2220637	1	Fitting	
25	2220733	2	Fitting, Straight JIC/ORB	
26	2220775	1	Fitting, 90 JIC/ORB	
27	2220852	4	Fitting, Straight JIC/ORB	
28	2220865	3	Fitting, Straight JIC/ORB	
29	2220906	2	Fitting, 90 JIC/ORB	
30	2220947	8	Fitting, Straight JIC/ORB	
31	2220999	1	Fitting, Tee JIC/ORB/JIC	
32	2221048	1	Fitting, 90 JIC/ORB	
34	2221086	5	Fitting, Test	
35	80633030	2	Clamp	
36	1001119455	1	Valve, Oil Sampling	
37	1001192641	1	Hose	
38	1001192651	2	Hose	
39	1001192654	1	Hose	
40	1001192655	1	Hose	
42	1001192693	1	Tube	
43	1001192694	1	Tube	
44	1001192695	1	Hose	
45	1001192696	1	Hose	
46	1001192698	1	Hose	
47	1001192699	1	Hose	
48	1001193927	1	Hose	
49	1001193928	1	Hose	
50	1001193929	1	Hose	
51	1001193930	1	Hose	
52	1001269096	1	Hose	
53	1001269097	1	Hose	
54	1001201255	1	Tube	
55	1001246156	1	Hose	
56	1001203424	1	Hose	
57	1001203426	1	Hose	
58	1001203430	1	Hose	
59	1001203432	1	Hose	

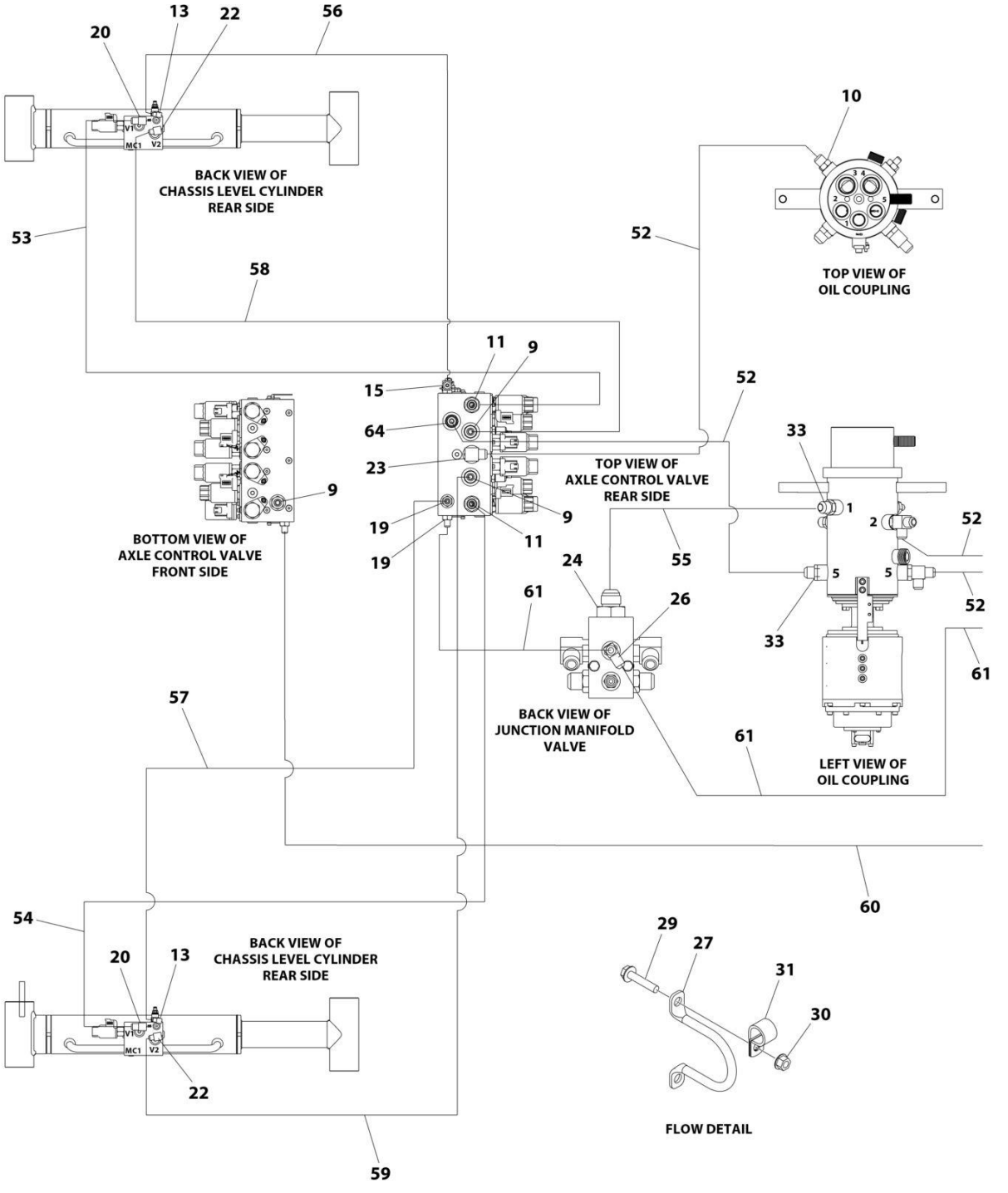
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
60	1001204645	1	Hose	
61	1001205824	2	Fitting, 90 Barb	
62	1001214408	1	Fitting, Tee JIC/ORB/JIC	
63	1001220903	1	Tube	
64	1001220912	1	Hose	
65	1001221016	1	Hose	
66	1001222522	1	Hose	
68	1001273630	1	Hose	
69	1001192669	1	Hose	
70	1001192667	1	Hose	
72	1001246157	1	Hose	
73	1001246158	1	Hose	
76	1001246161	2	Hose	
78	1001246163	1	Hose	
79	1001247450	1	Hose	
83	2220366	1	Fitting, 90 JIC/ORB	
84	2220408	1	Fitting, Straight JIC/ORB	
86	2111612	2	Fitting, Straight ORFS/ORB	
87	2220578	2	Fitting, 90 JIC/ORB	
88	2220940	1	Fitting, 90 JIC/ORB	
89	2221051	1	Fitting, Tee Run	
90	1001192690	1	Hose	
91	1001203431	1	Hose	
92	1001203433	1	Hose	
93	1001228226	1	Hose	
94	1001249255	1	Hose	
96	88662327	1	Fitting, Straight ORFS/ORB	

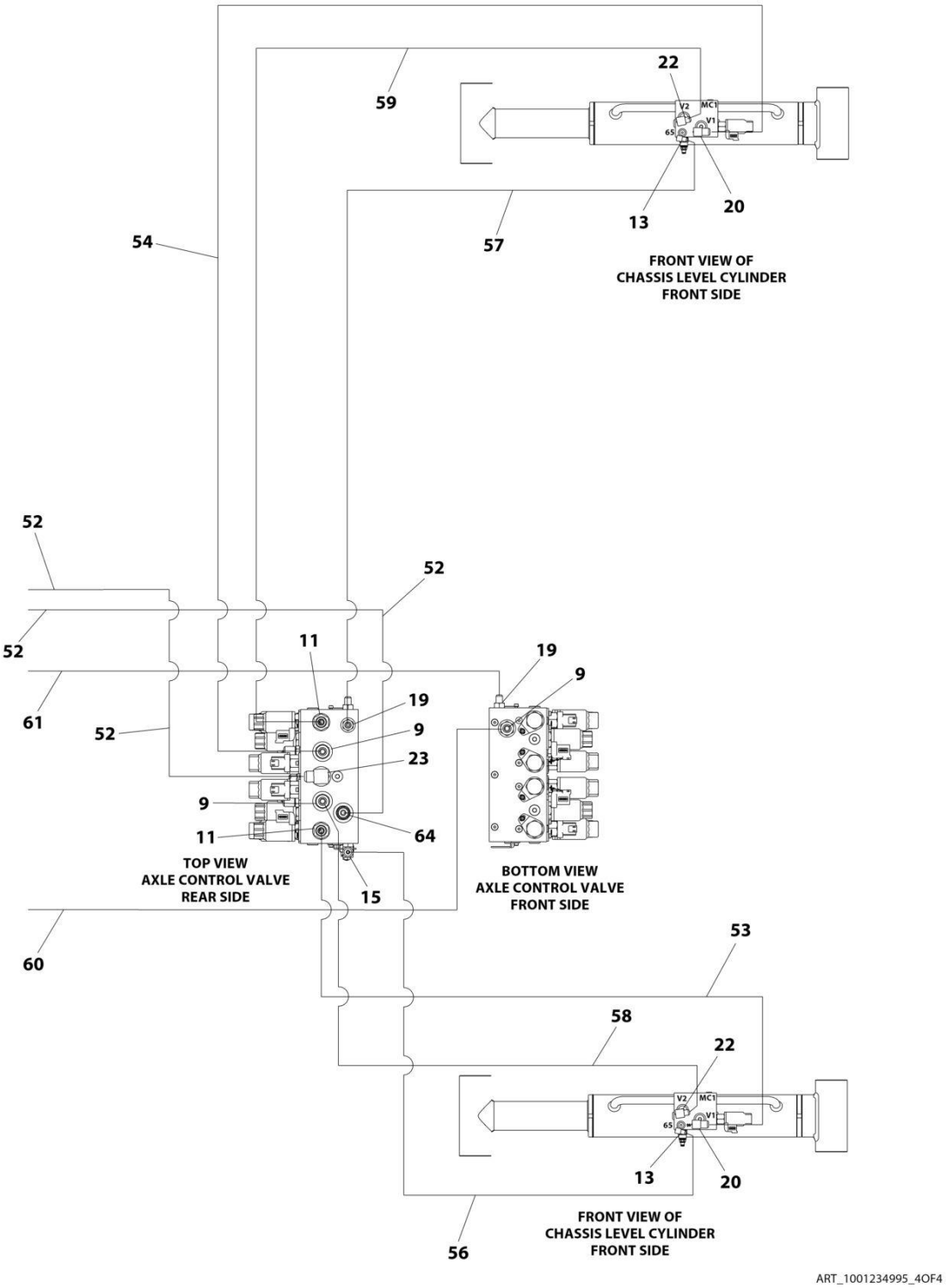
FIGURE 7-3. HYDRAULIC DIAGRAM - CHASSIS (Prior to SN 0300275371)





ART_1001234995_2OF4


BACK VIEW OF CHASSIS LEVEL CYLINDER REAR SIDE
TOP VIEW OF OIL COUPLING
BOTTOM VIEW OF AXLE CONTROL VALVE FRONT SIDE
TOP VIEW OF AXLE CONTROL VALVE REAR SIDE
BACK VIEW OF JUNCTION MANIFOLD VALVE
LEFT VIEW OF OIL COUPLING
BACK VIEW OF CHASSIS LEVEL CYLINDER REAR SIDE
FLOW DETAIL
ART_1001234995_3OF4



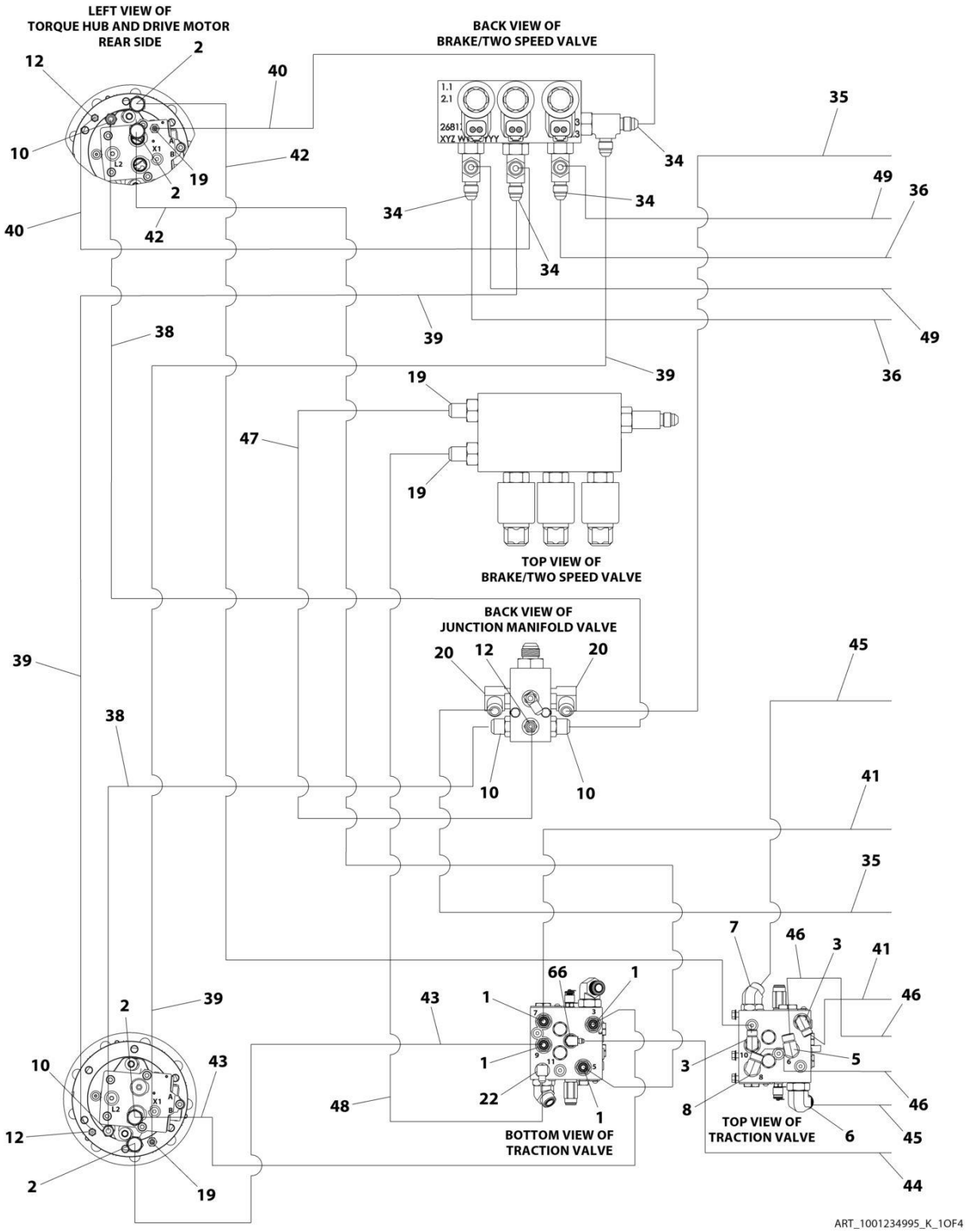
ART_1001234995_4OF4

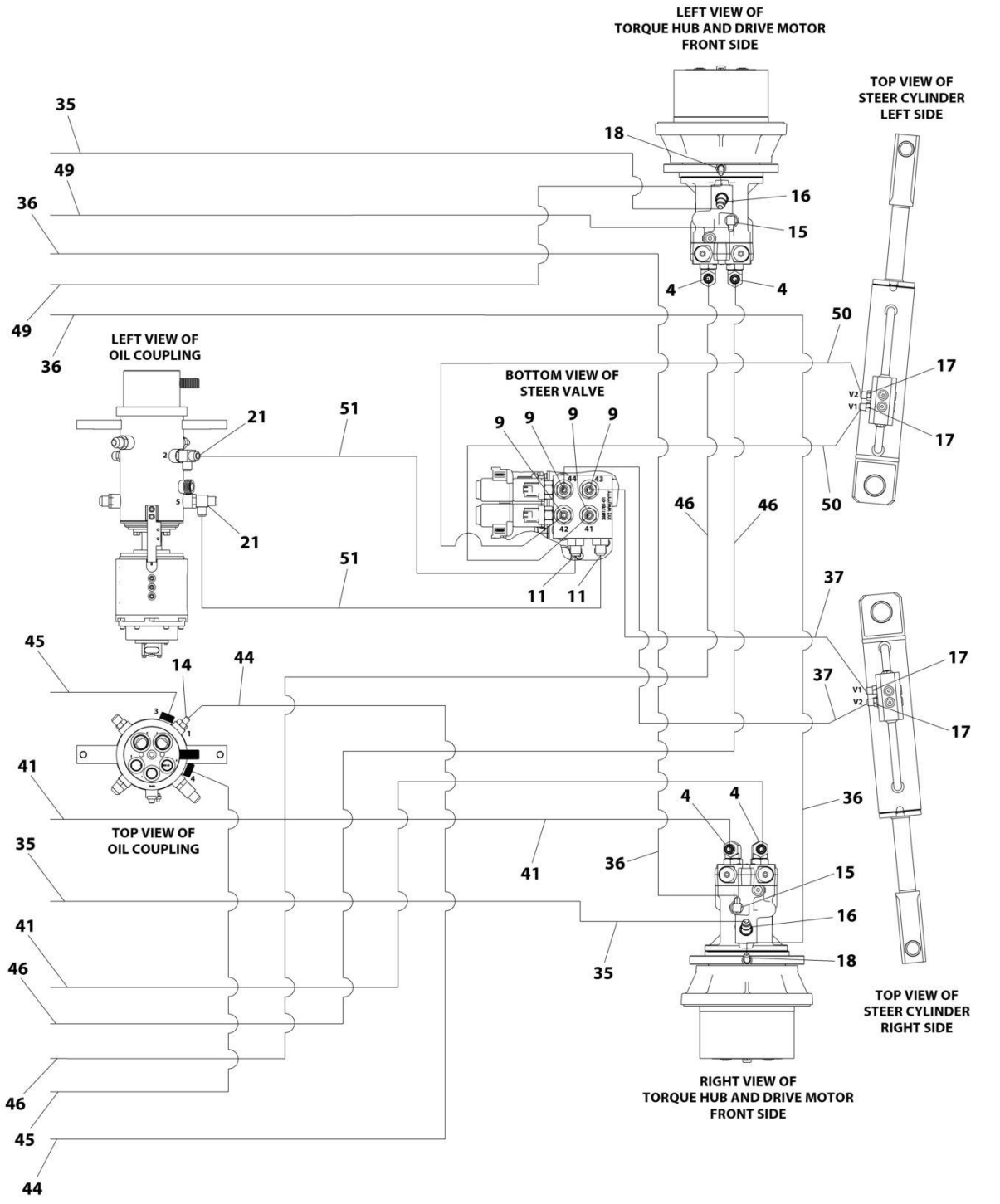
FIGURE 7-3. HYDRAULIC DIAGRAM - CHASSIS (Prior to SN 0300275371)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234995	Ref	HYDRAULIC DIAGRAM - CHASSIS	F
1	2110810	4	Fitting, Straight ORFS/ORB	
2	2110812	4	Fitting, Straight ORFS/ORB	
3	2130810	2	Fitting, 90 ORFS/ORB	
4	2130812	4	Fitting, 90 ORFS/ORB	
5	2131010	1	Fitting, 90 ORFS/ORB	
6	2131216	1	Fitting, 90 ORFS/ORB	
7	2151216	1	Fitting, 45 ORFS/ORB	
8	2170210	1	Fitting, 90	
9	2220372	10	Fitting, Straight JIC/ORB	
10	2220373	5	Fitting, Straight JIC/ORB	
11	2220374	6	Fitting, Straight JIC/ORB	
12	2220415	3	Fitting, Straight JIC/ORB	
13	2220466	4	Fitting, 90 JIC/ORB	
14	2220468	1	Fitting, Straight JIC/ORB	
15	2220472	4	Fitting, 90 JIC/ORB	
16	2220500	2	Fitting, 45 JIC/ORB	
17	2220371	4	Fitting, Straight JIC/ORB	
18	2220502	2	Fitting, 45 JIC/ORB	
19	2220582	8	Fitting, Straight JIC/ORB	
20	2220596	6	Fitting, 90 JIC/ORB	
21	2220602	2	Fitting, Tee JIC/ORB/JIC	
22	2220628	5	Fitting, 90 JIC/ORB	
23	2220671	2	Fitting, 90 JIC/ORB	
24	2220865	1	Fitting, Straight JIC/ORB	
26	2221034	1	Fitting, Tee	
27	3841340	2	Loop, Hose	
28	4240018	4	Tie-Strap (Not Shown)	
29	5250816	4	Bolt, M8 x 40	
30	5260800	4	Nut, M8	
31	91043147	4	Clamp	
33	2220852	2	Fitting, Straight JIC/ORB	
34	1001210823	4	Fitting, Tee JIC/ORB/JIC	
35	1001239011	2	Hose	
36	1001239012	2	Hose	
37	1001239013	2	Hose	
38	1001239017	2	Hose	
39	1001239020	2	Hose	
40	1001239021	2	Hose	
41	1001239022	2	Hose	
42	1001239023	2	Hose	
43	1001239025	2	Hose	
44	1001264725	1	Hose	
45	1001239028	2	Hose	
46	1001239030	2	Hose	
47	1001239032	1	Hose	
48	1001239034	1	Hose	
49	1001239035	2	Hose	
50	1001239037	2	Hose	
51	1001239039	2	Hose	

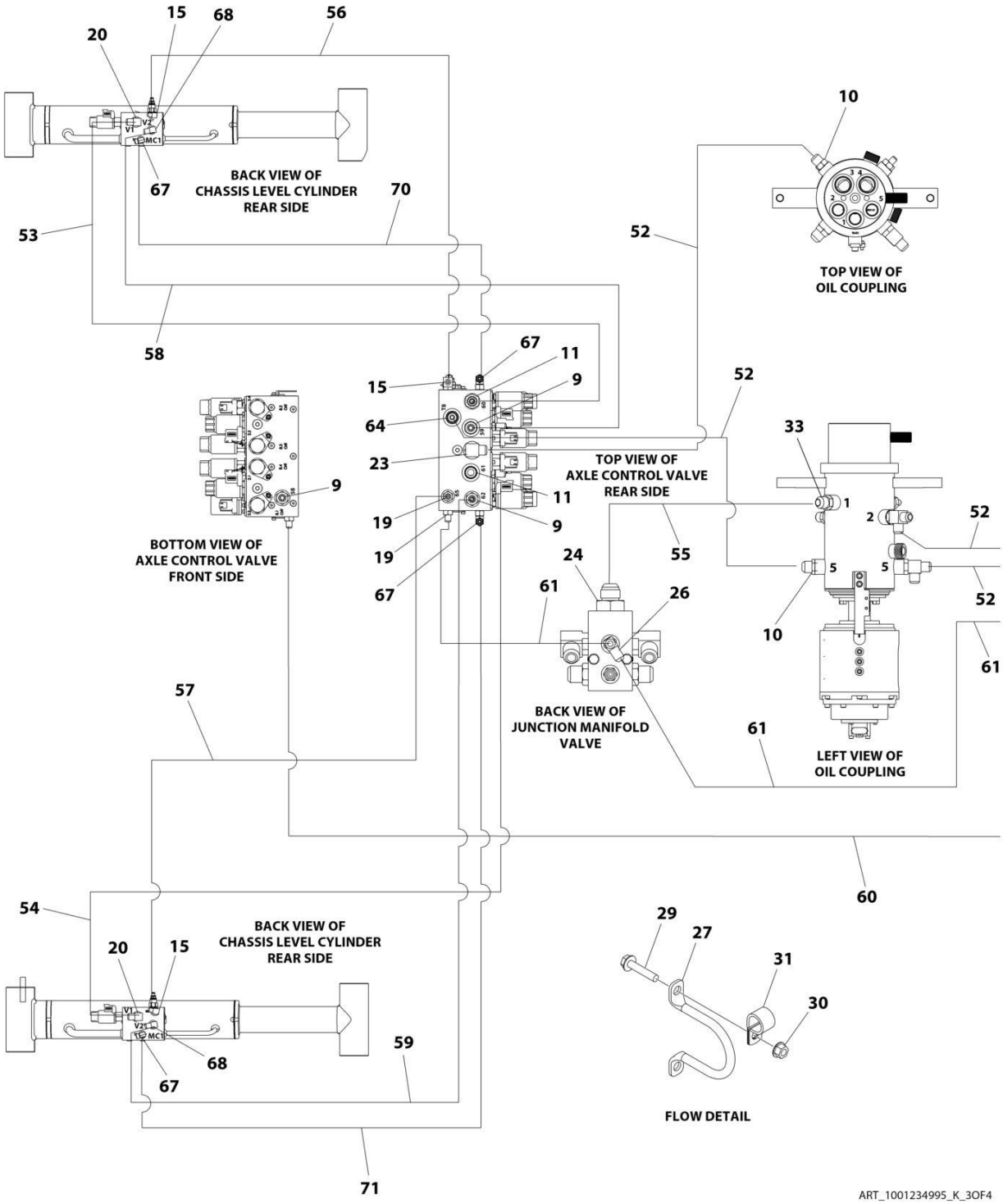
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	1001239041	4	Hose	
53	1001239043	2	Hose	
54	1001264992	2	Hose	
55	1001239045	1	Hose	
56	1001239048	2	Hose	
57	1001239049	2	Hose	
58	1001241638	2	Hose	
59	1001241639	2	Hose	
60	1001241640	1	Hose	
61	1001241641	2	Hose	
62	1001246819	4	Cover, Hose 1IN DIA (Not Shown)	
63	4240155	4	Strap, Cinch	
64	1001249284	2	Valve, Check Adapter	
65	1001256566	4	Cover, Hose 2.5IN DIA (Not Shown)	
66	1001211139	1	Fitting, 90 JIC/ORB	

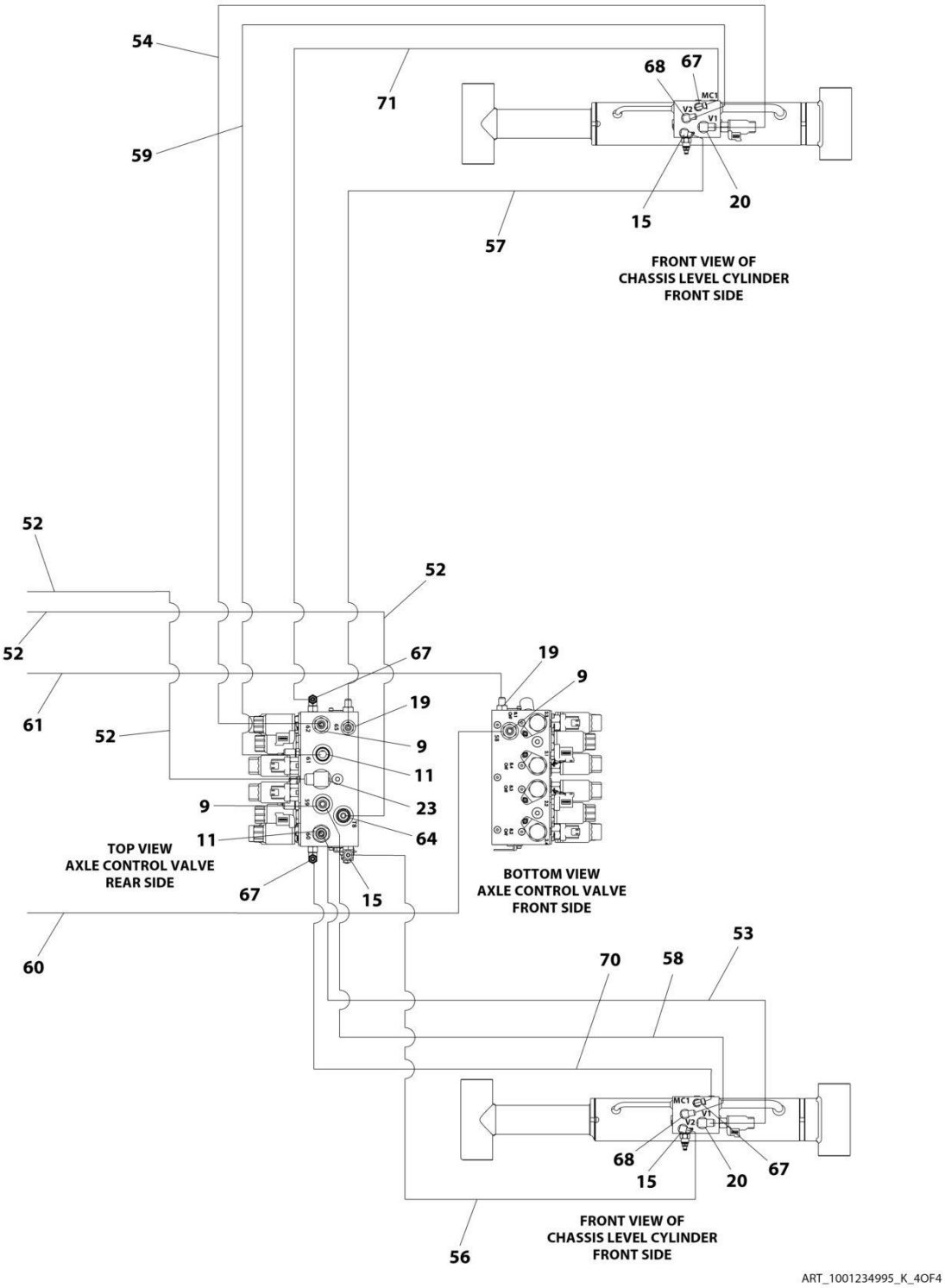
FIGURE 7-4. HYDRAULIC DIAGRAM - CHASSIS (SN 0300275371 to Present)





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BACK VIEW OF CHASSIS LEVEL CYLINDER REAR SIDE
TOP VIEW OF OIL COUPLING
BOTTOM VIEW OF AXLE CONTROL VALVE FRONT SIDE
TOP VIEW OF AXLE CONTROL VALVE REAR SIDE
BACK VIEW OF JUNCTION MANIFOLD VALVE
LEFT VIEW OF OIL COUPLING
BACK VIEW OF CHASSIS LEVEL CYLINDER REAR SIDE
FLOW DETAIL
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ART_1001234995_K_4OF4

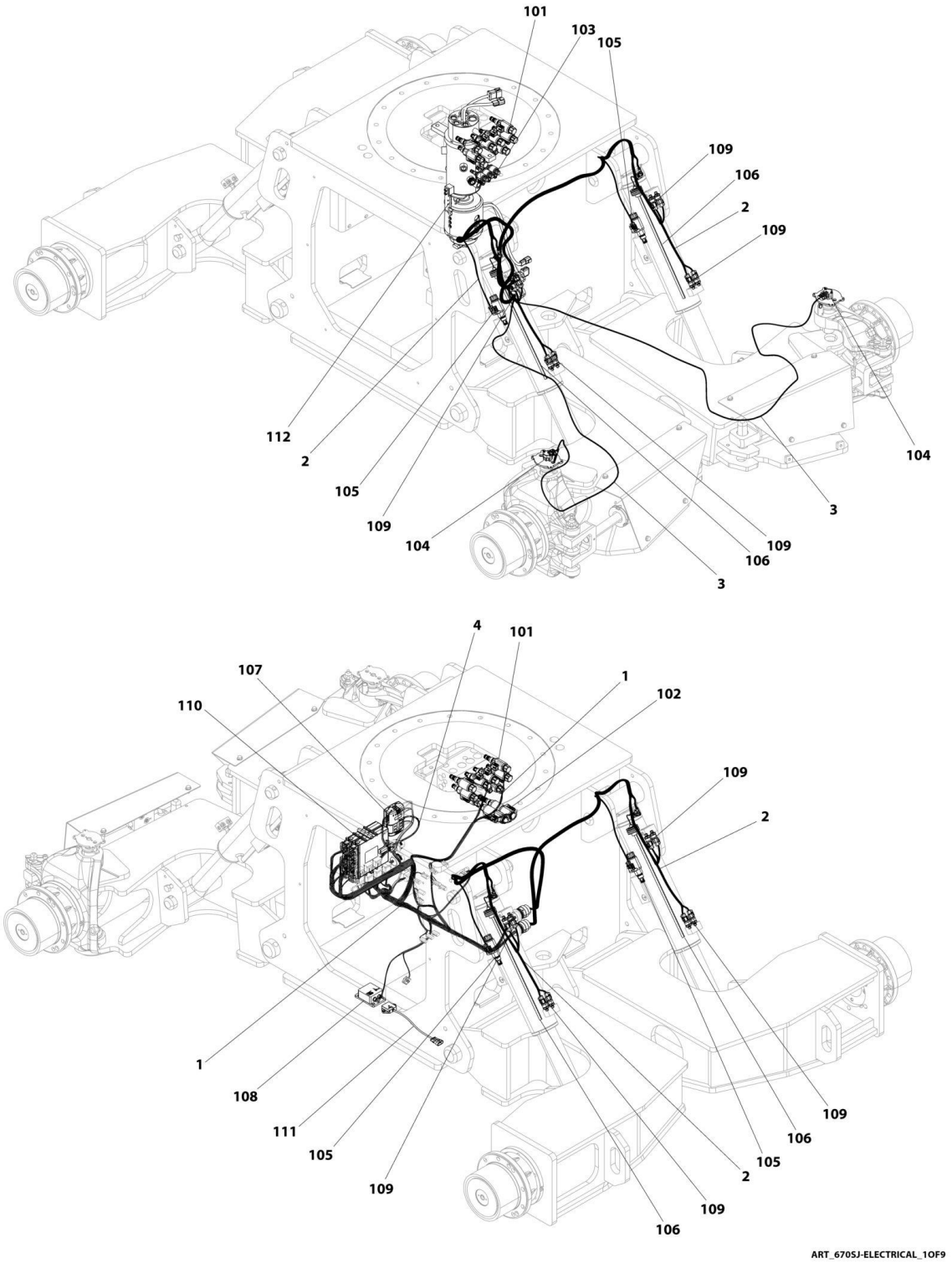
FIGURE 7-4. HYDRAULIC DIAGRAM - CHASSIS (SN 0300275371 to Present)

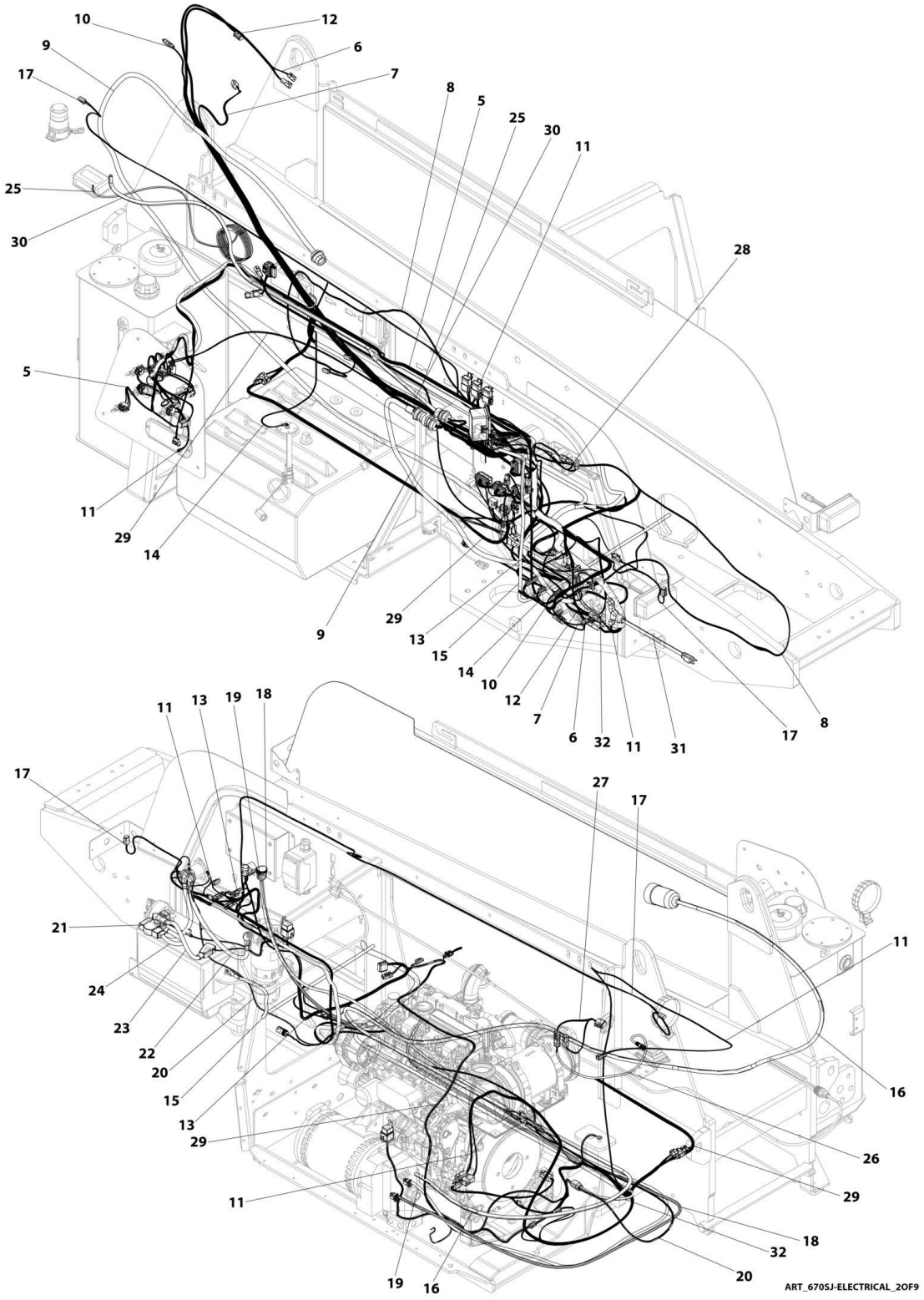
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234995	Ref	HYDRAULIC DIAGRAM - CHASSIS	K
1	2110810	4	Fitting, Straight ORFS/ORB	
2	2110812	4	Fitting, Straight ORFS/ORB	
3	2130810	2	Fitting, 90 ORFS/ORB	
4	2130812	4	Fitting, 90 ORFS/ORB	
5	2131010	1	Fitting, 90 ORFS/ORB	
6	2131216	1	Fitting, 90 ORFS/ORB	
7	2151216	1	Fitting, 45 ORFS/ORB	
8	2170210	1	Fitting, 90	
9	2220372	10	Fitting, Straight JIC/ORB	
10	2220373	6	Fitting, Straight JIC/ORB	
11	2220374	6	Fitting, Straight JIC/ORB	
12	2220415	3	Fitting, Straight JIC/ORB	
13	2220466	4	Fitting, 90 JIC/ORB	
14	2220468	1	Fitting, Straight JIC/ORB	
15	2220472	8	Fitting, 90 JIC/ORB	
16	2220500	2	Fitting, 45 JIC/ORB	
17	2220371	4	Fitting, Straight JIC/ORB	
18	2220502	2	Fitting, 45 JIC/ORB	
19	2220582	8	Fitting, Straight JIC/ORB	
20	2220596	6	Fitting, 90 JIC/ORB	
21	2220602	2	Fitting, Tee JIC/ORB/JIC	
22	2220628	1	Fitting, 90 JIC/ORB	
23	2220671	2	Fitting, 90 JIC/ORB	
24	2220865	1	Fitting, Straight JIC/ORB	
26	2221034	1	Fitting, Tee	
27	3841340	2	Loop, Hose	
28	4240018	4	Tie-Strap (Not Shown)	
29	5250816	4	Bolt, M8 x 40	
30	5260800	4	Nut, M8	
31	91043147	4	Clamp	
33	2220852	1	Fitting, Straight JIC/ORB	
34	1001210823	4	Fitting, Tee JIC/ORB/JIC	
35	1001239011	2	Hose	
36	1001239012	2	Hose	
37	1001239013	2	Hose	
38	1001239017	2	Hose	
39	1001239020	2	Hose	
40	1001239021	2	Hose	
41	1001239022	2	Hose	
42	1001239023	2	Hose	
43	1001239025	2	Hose	
44	1001264725	1	Hose	
45	1001239028	2	Hose	
46	1001239030	2	Hose	
47	1001239032	1	Hose	
48	1001239034	1	Hose	
49	1001239035	2	Hose	
50	1001239037	2	Hose	
51	1001239039	2	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	1001239041	4	Hose	
53	1001239043	2	Hose	
54	1001264992	2	Hose	
55	1001239045	1	Hose	
56	1001239048	2	Hose	
57	1001239049	2	Hose	
58	1001241638	2	Hose	
59	1001241639	2	Hose	
60	1001241640	1	Hose	
61	1001241641	2	Hose	
62	1001246819	4	Cover, Hose 1IN DIA (Not Shown)	
63	4240155	4	Strap, Cinch	
64	1001249284	2	Valve, Check Adapter	
65	1001256566	4	Cover, Hose 2.5IN DIA (Not Shown)	
66	1001211139	1	Fitting, 90 JIC/ORB	
67	2130404	8	Fitting, 90 ORFS/ORB	
68	2220473	4	Fitting, 90 JIC/ORB	
70	1001273655	2	Hose	
71	1001273656	2	Hose	

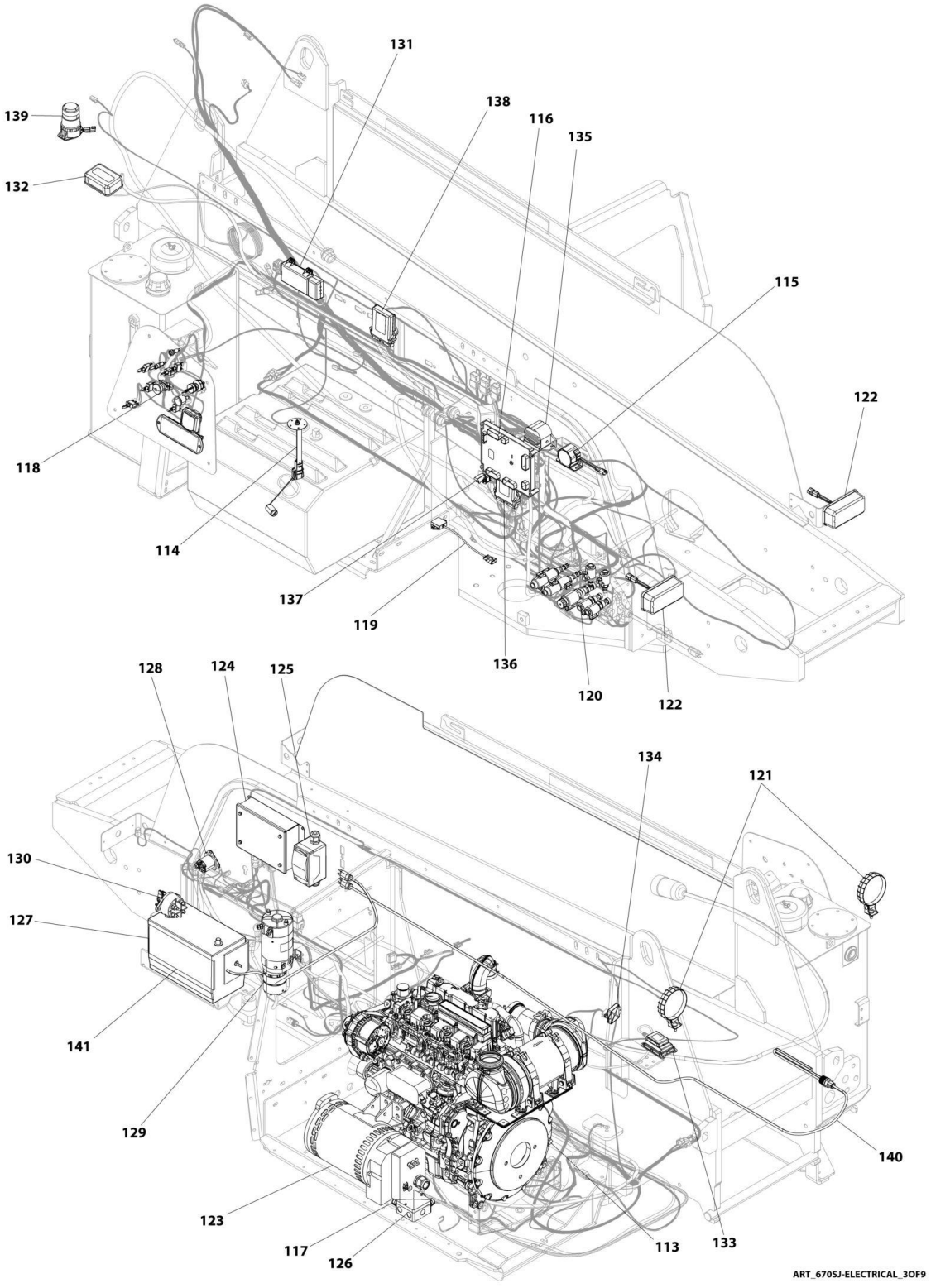
SECTION 8 - ELECTRICAL

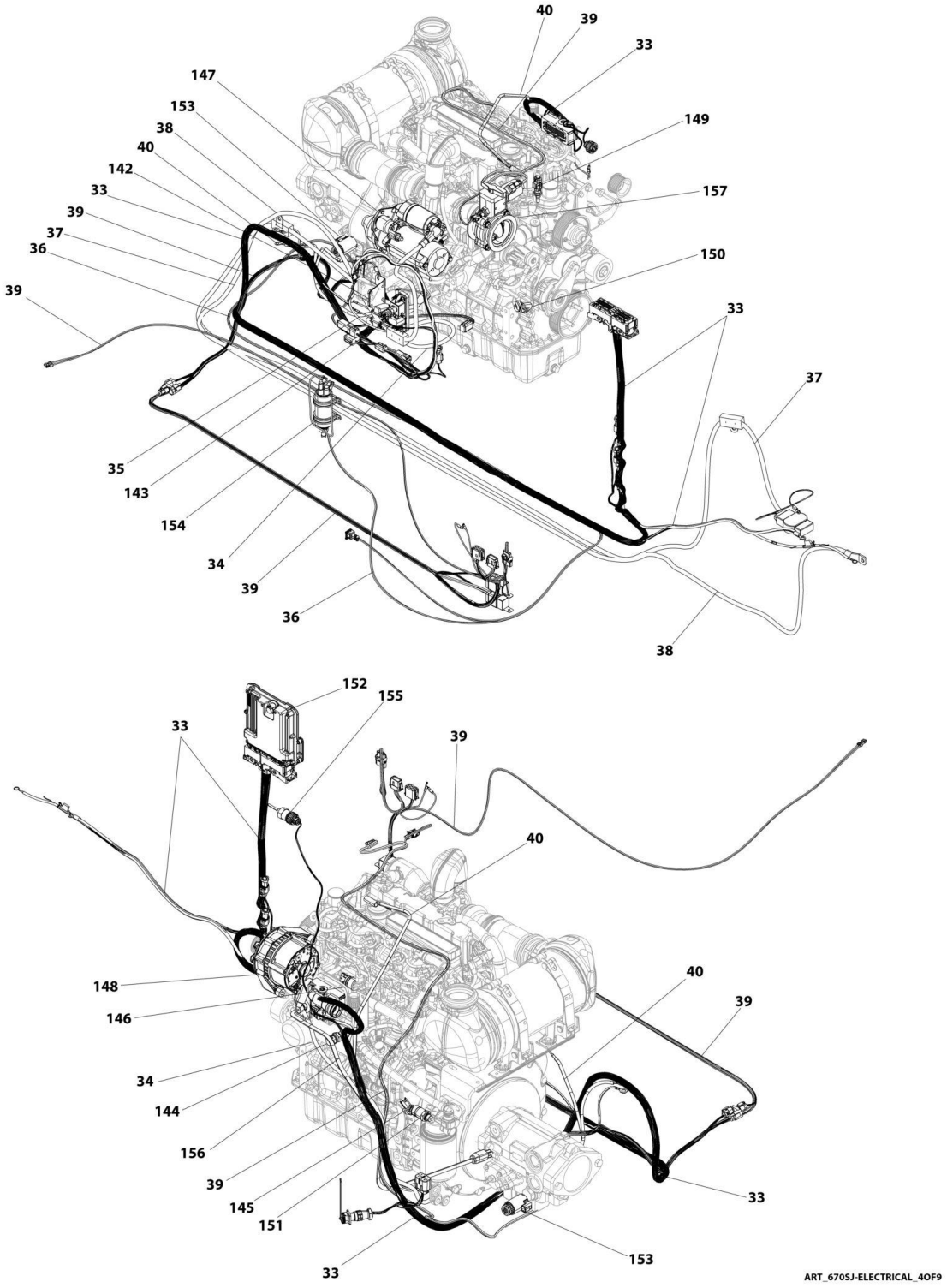
FIGURE 8-1. 670SJ ELECTRICAL LAYOUT

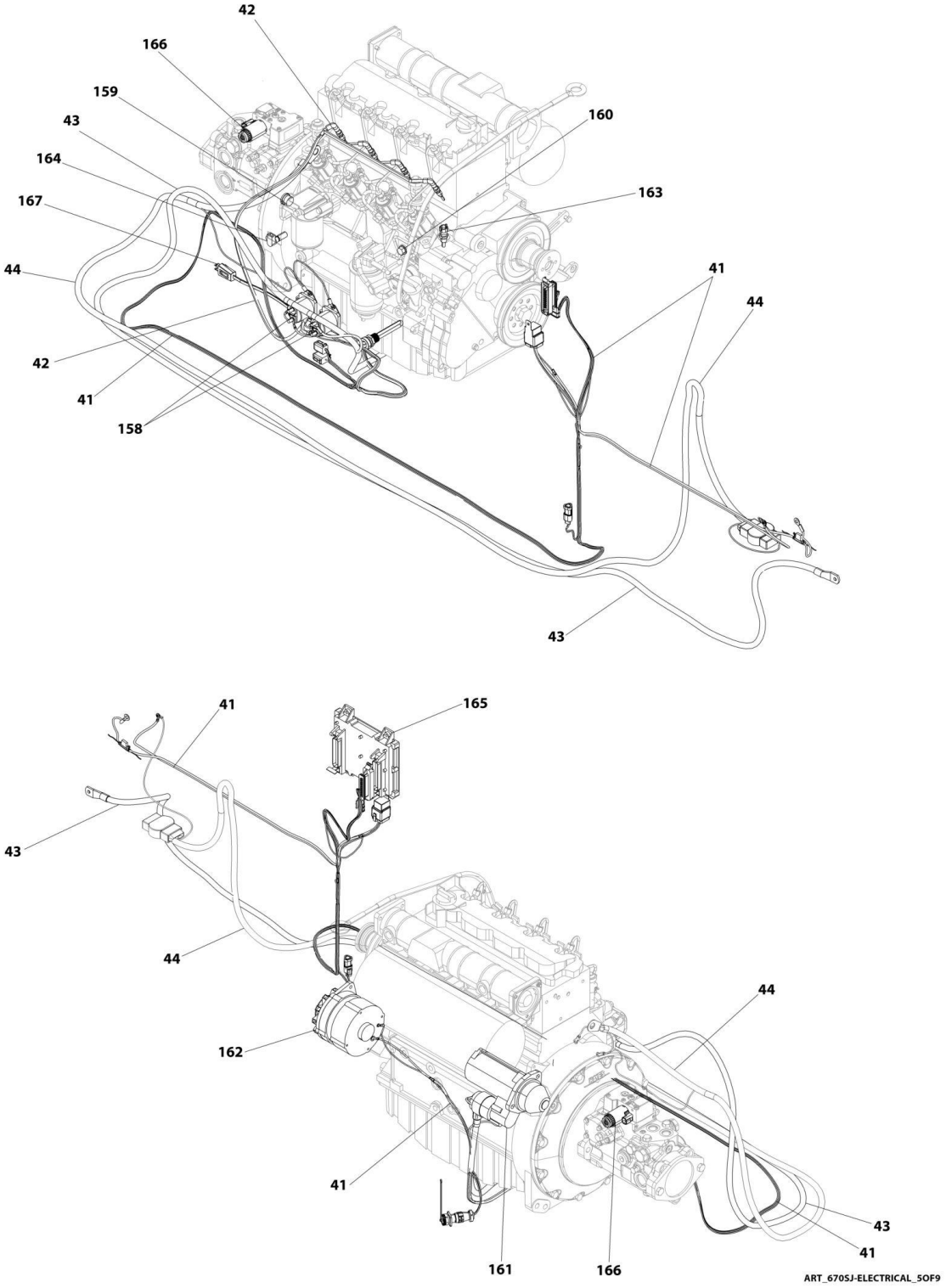


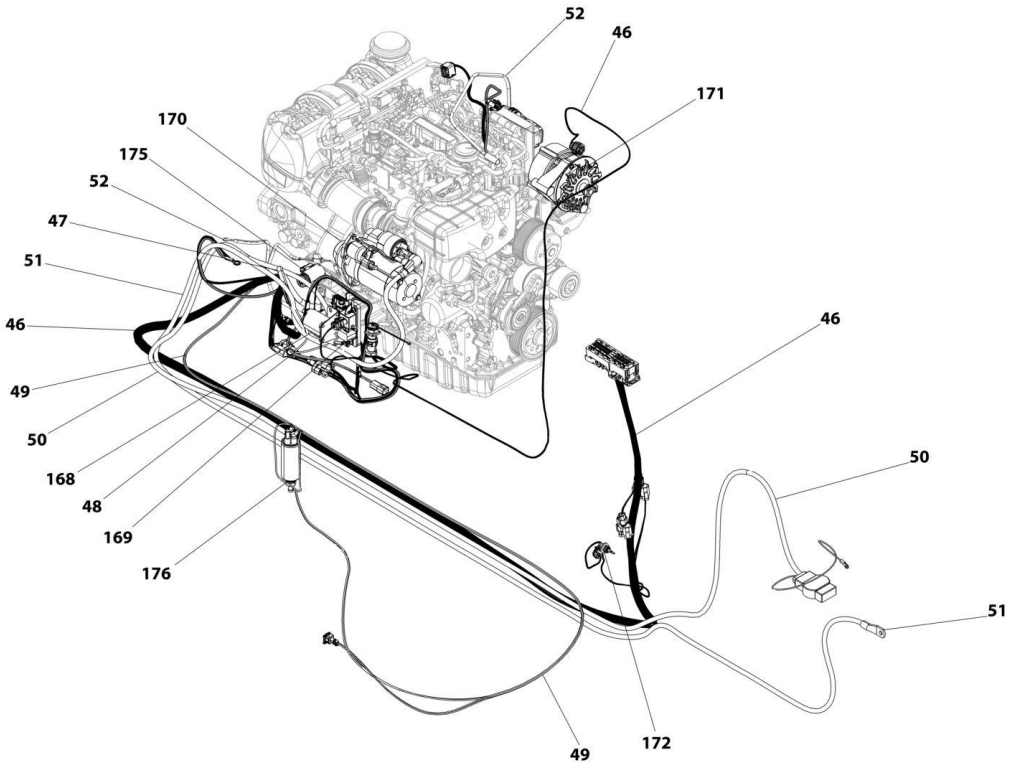

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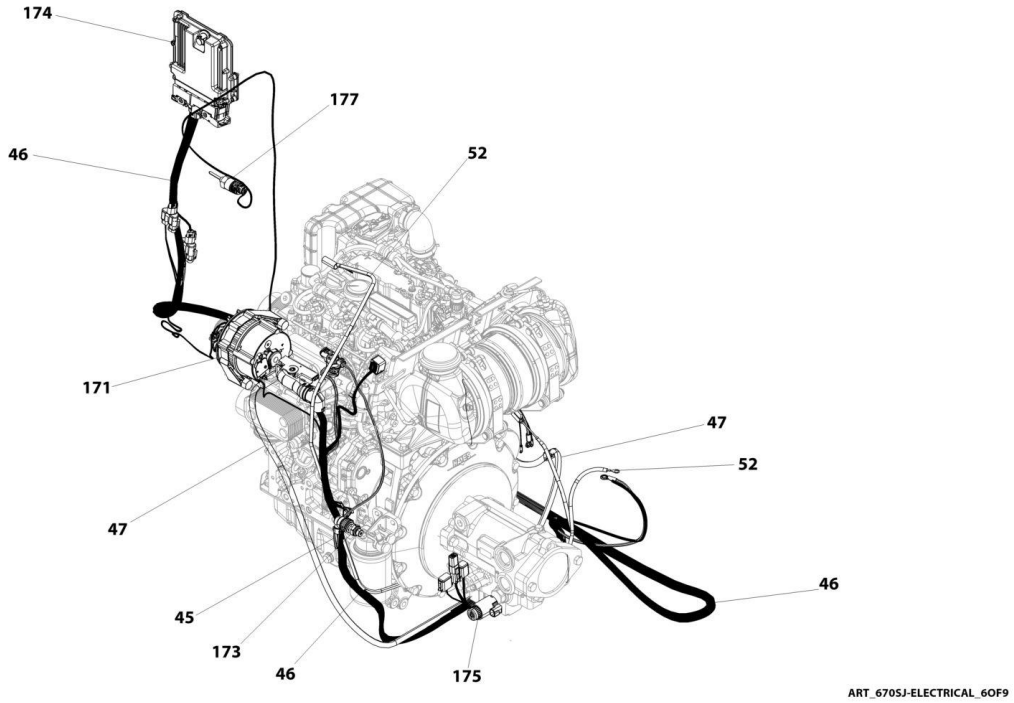
SECTION 8 - ELECTRICAL

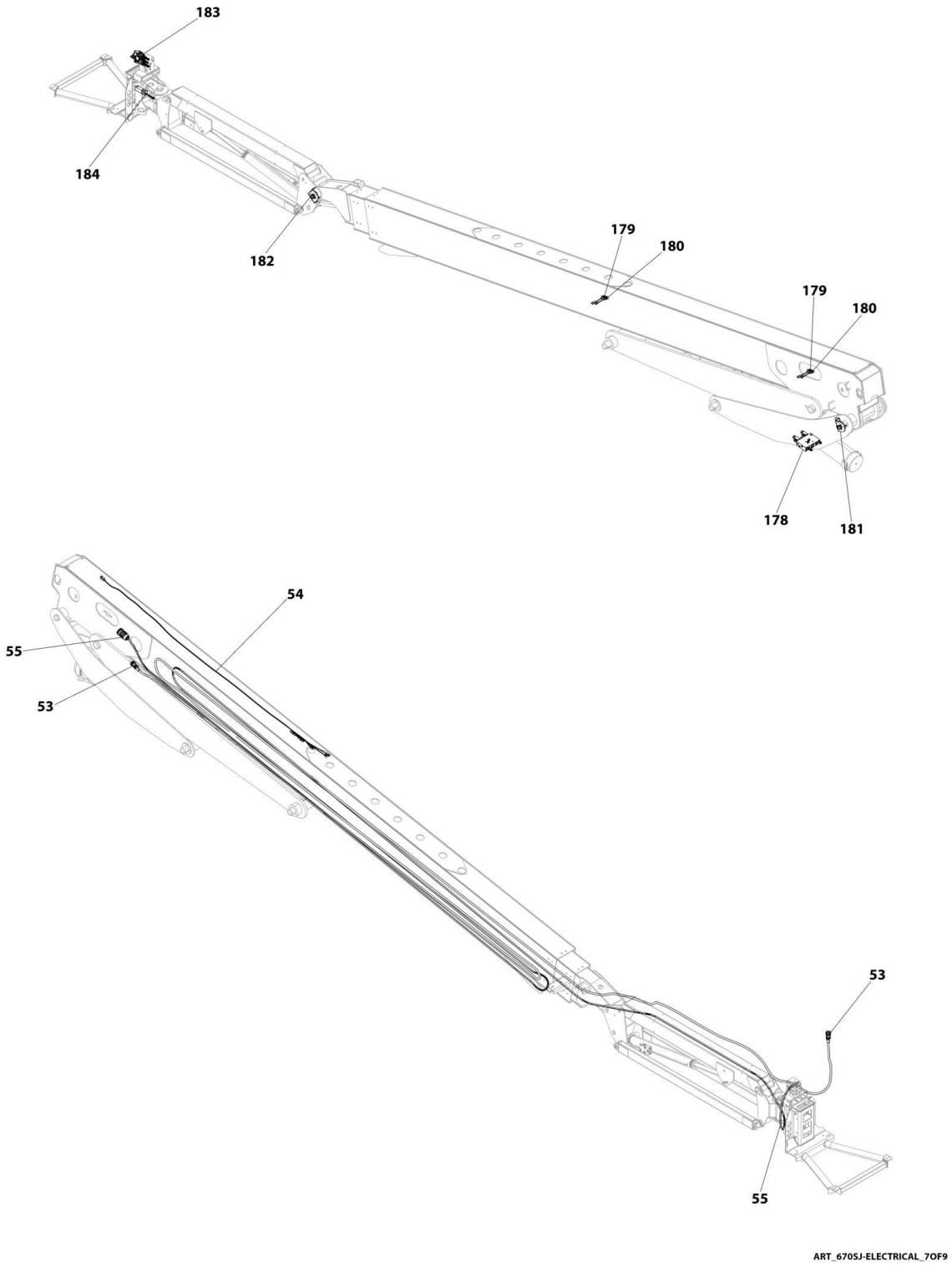


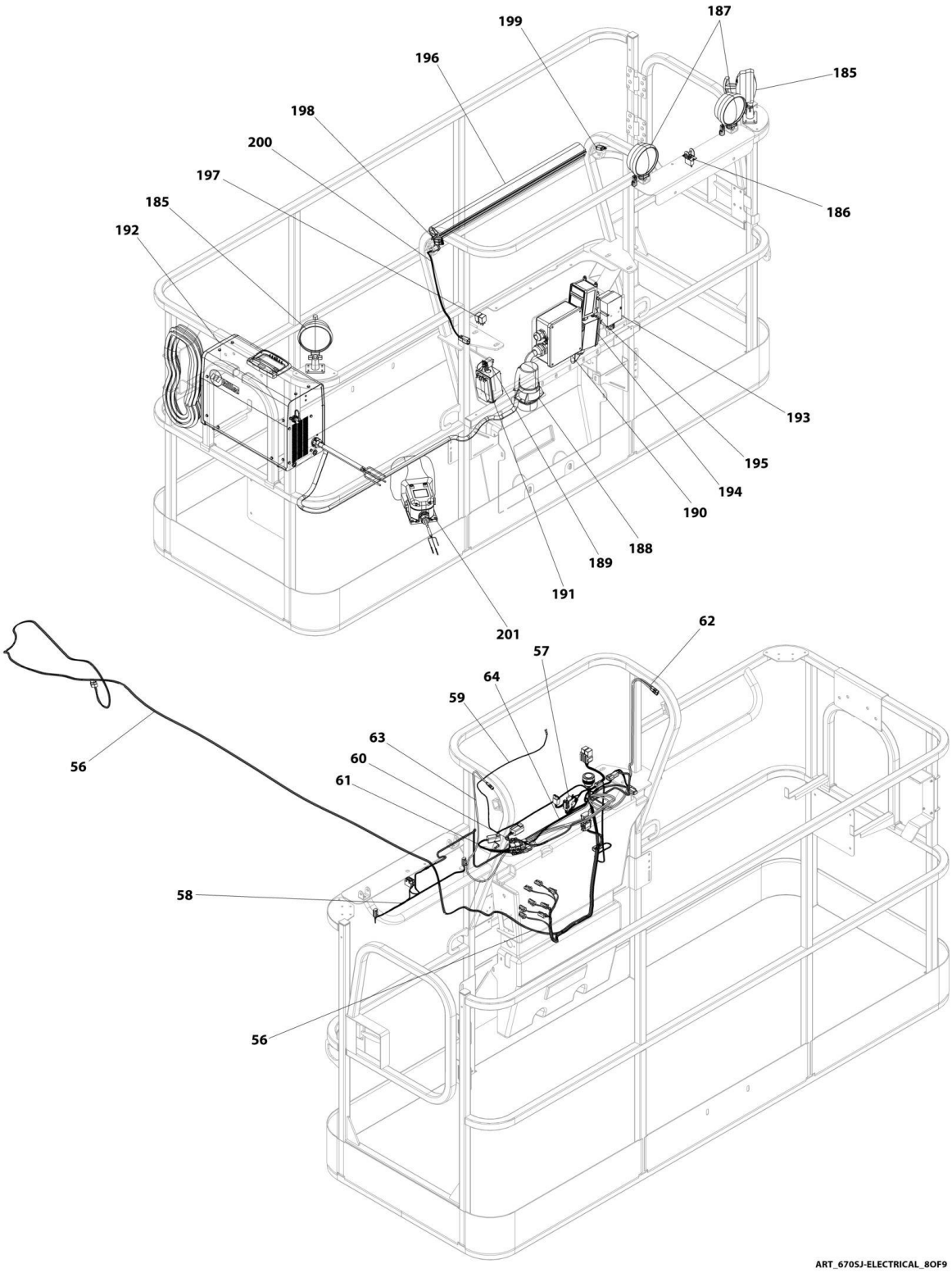

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ART_670SJ-ELECTRICAL_7OF9


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SECTION 8 - ELECTRICAL

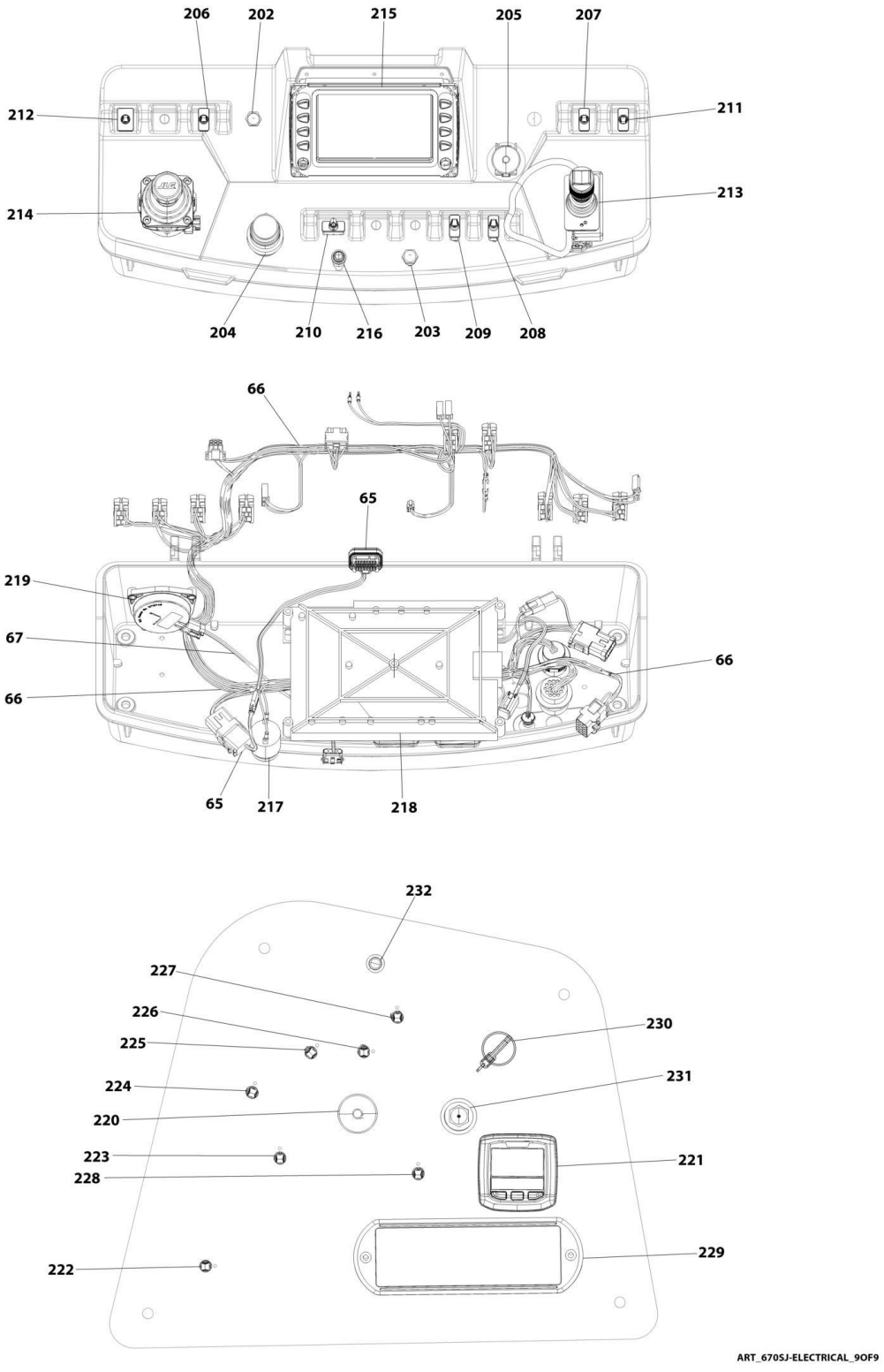


FIGURE 8-1. 670SJ ELECTRICAL LAYOUT

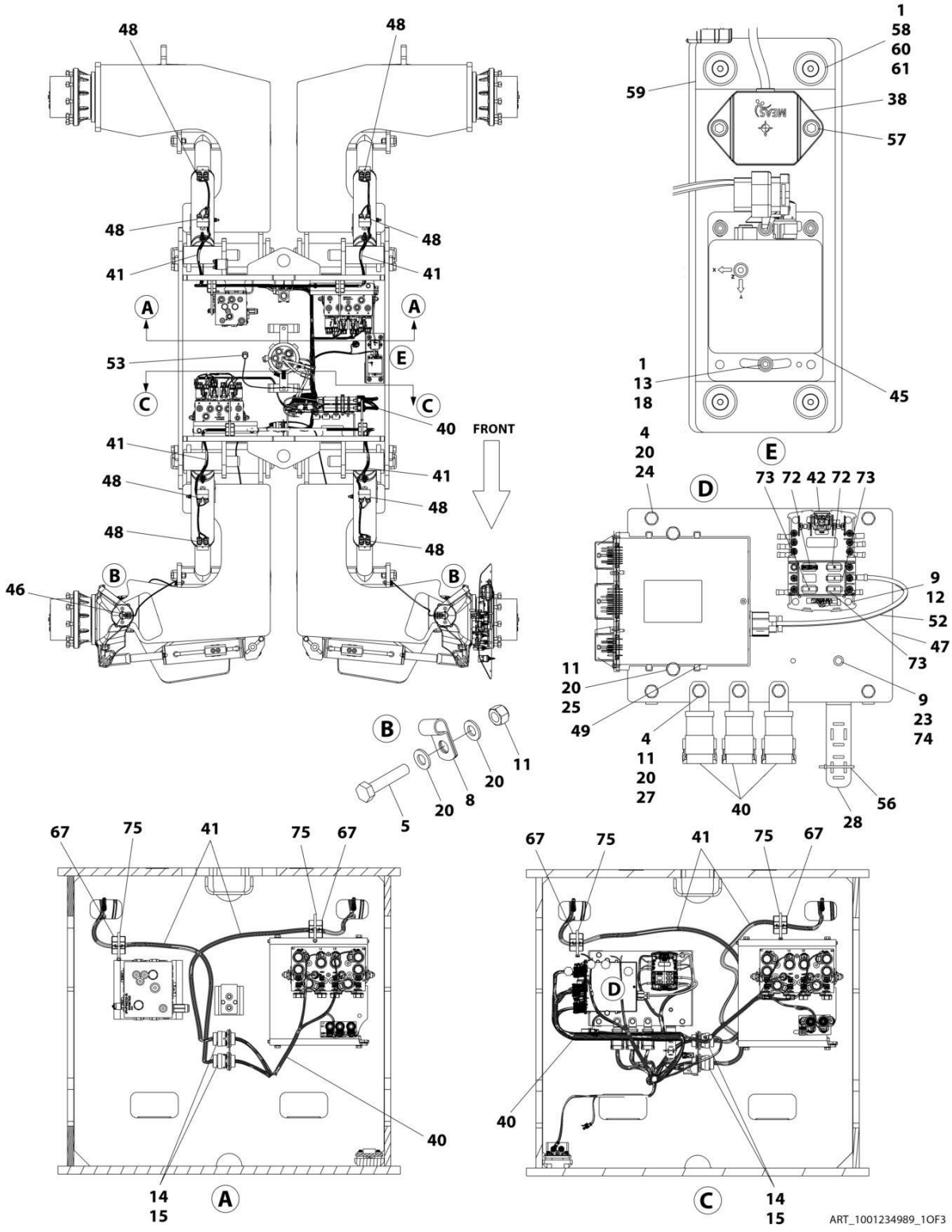
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HARNESS LIST	
		Ref	Note: This figure is for part identification only.	
1		Ref	Harness, Chassis	
2		Ref	Harness, Axle	
3		Ref	Harness, Steer	
4		Ref	Harness, Frame Module	
5		Ref	Harness, Ground Control	
6		Ref	Harness, Tele Retract	
7		Ref	Harness, Boom Angle Sensor	
8		Ref	Harness, Lift Cylinder	
9		Ref	Cable, Boom (Lower)	
10		Ref	Harness, Boom Cable Service	
11		Ref	Harness, Turntable	
12		Ref	Harness, Capacity (Lower)	
13		Ref	Harness, SLC Auxiliary Turntable	
14		Ref	Harness, Main Valve	
15		Ref	Harness, Ground Module	
16		Ref	Cable, AC Ground to Platform	
17		Ref	Harness, Head and Tail Light	
18		Ref	Harness, 7500W Generator	
19		Ref	Harness, 4000W Generator	
20		Ref	Harness, 2500W Generator	
21		Ref	Cable, Battery (+) to Aux Relay	
22		Ref	Cable, Aux Relay to Aux Pump	
23		Ref	Cable, Battery (+) to Disconnect	
24		Ref	Cable, Battery (-) to Disconnect	
25		Ref	Harness, Clearsky	
26		Ref	Harness, Telematics	
27		Ref	Harness, Xirgo Jumper	
28		Ref	Harness, White Noise Alarm	
29		Ref	Harness, ASOV	
30		Ref	Harness, Strobe Light Control	
31		Ref	3-Way Plug	
32		Ref	Cable, Extension	
33		Ref	Harness, Engine	
34		Ref	Harness, Alternator Power	
35		Ref	Harness, Glow Plug Fuse	
36		Ref	Harness, Fuel Pump	
37		Ref	Cable, Battery (-) to Aux Pump to Ground	
38		Ref	Cable, Battery (+) to Relay to Starter	
39		Ref	Harness, ASOV	
40		Ref	Breather Tube Heater	
41		Ref	Harness, Engine	
42		Ref	Harness, Glow Plug Fuse	
43		Ref	Cable, Battery (+) to Relay to Starter	
44		Ref	Cable, Battery (-) to Aux Pump to Ground	
45		Ref	Harness, Fuel Filter	
46		Ref	Harness, Engine	
47		Ref	Harness, Alternator Power	
48		Ref	Harness, Glow Plug Fuse	

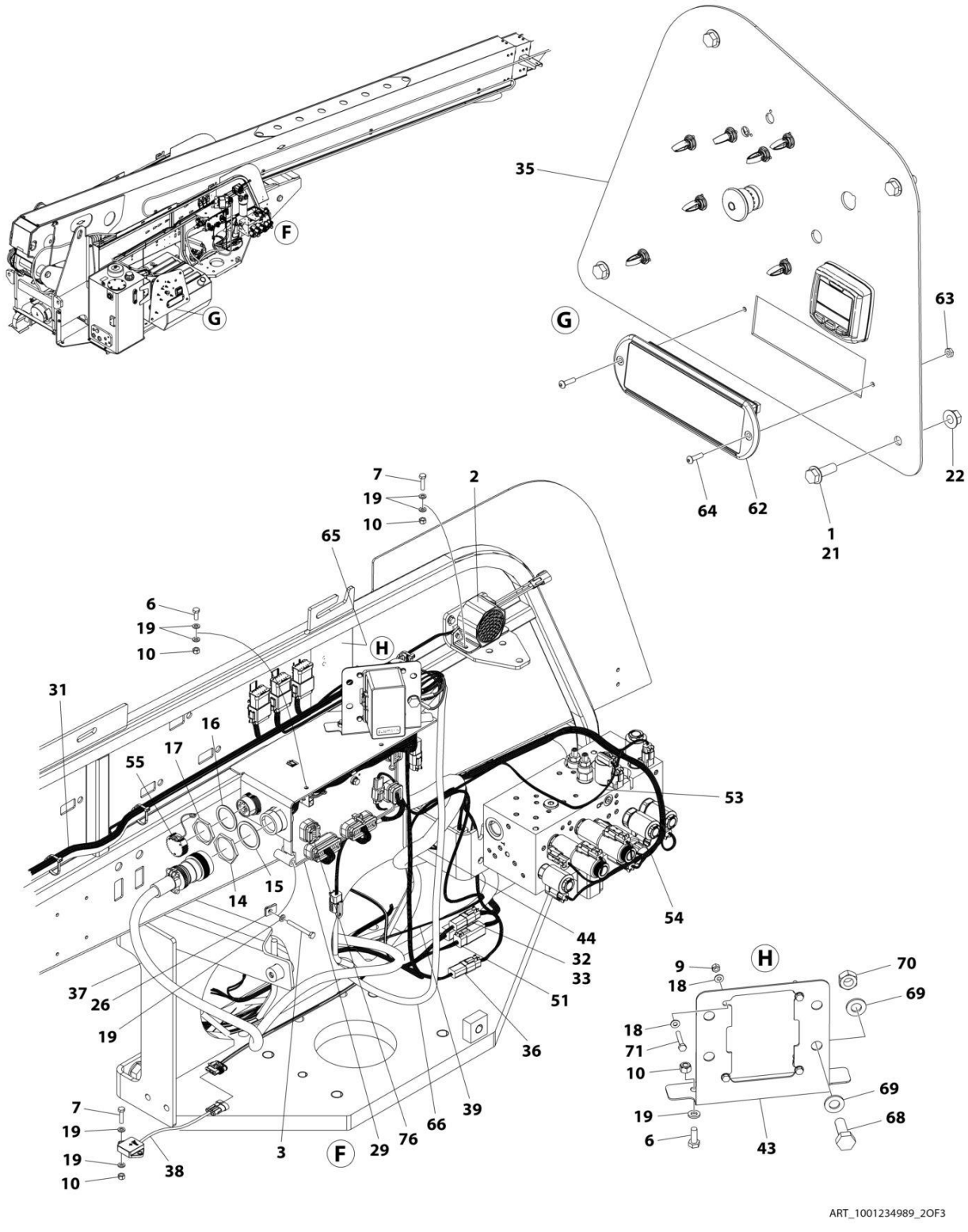
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49		Ref	Harness, Fuel Pump	
50		Ref	Cable, Battery (-) to Aux Pump to Ground	
51		Ref	Cable, Battery (+) to Relay to Starter	
52		Ref	Breather Tube Heater	
53		Ref	Cable, Boom (Upper)	
54		Ref	Harness, Capacity (Upper)	
55		Ref	Cable, AC Ground to Platform	
56		Ref	Harness, Platform Valve	
57		Ref	Harness, Platform Work Light	
58		Ref	Harness, Platform Flood Light	
59		Ref	Harness, Platform Strobe Light	
60		Ref	Harness, SkyGuard	
61		Ref	Harness, SkyEye Intermediate	
62		Ref	Harness, SkyEye Receiver	
63		Ref	Harness, SkyEye Emitter	
64		Ref	Harness, SkyLine	
65		Ref	Harness, Platform Display	
66		Ref	Harness, Platform Console	
67		Ref	Harness, Tilt Sensor	
		Ref	COMPONENT LIST	
101		Ref	Solenoids, Axle Control Valve	
102		Ref	Solenoids, Steer Valve	
103		Ref	Solenoids, Brake and Two Speed Valve	
104		Ref	Sensor, Steer Angle	
105		Ref	Solenoid, Chassis Level Cylinder	
106		Ref	Transducer	
107		Ref	Fuse Box	
108		Ref	Sensor, Inclinometer	
109		Ref	Sensor, Pressure Transducer	
110		Ref	Module, Frame	
111		Ref	Sensor, Tilt	
112		Ref	Rotary Coupling	
113		Ref	Engine	
114		Ref	Sensor, Fuel Level	
115		Ref	Alarm	
116		Ref	Module, Ground Control	
117		Ref	LIght, Generator	
118		Ref	Ground Control Panel	
119		Ref	Sensor, Tilt	
120		Ref	Solenoids, Main Control Valve	
121		Ref	Headlight	
122		Ref	Taillight	
123		Ref	Generator	
124		Ref	Box, Generator Control	
125		Ref	AC Breaker Box	
126		Ref	Generator Junction Box	
127		Ref	Battery	
128		Ref	Relay	
129		Ref	Auxiliary Pump/Motor	
130		Ref	Switch, Battery Disconnect	
131		Ref	Module, ClearSky Telematics CANBUS	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
132		Ref	Antenna, ClearSky Telematics	
133		Ref	Module, ClearSky Telematics 3-Wire	
134		Ref	Voltage Regulator, ClearSky Telematics	
135		Ref	Alarm, White Noise	
136		Ref	Module, ASOV Control	
137		Ref	Switch, ASOV	
138		Ref	Module, Strobe Control	
139		Ref	Light, Strobe	
140		Ref	Heater, Immersion	
141		Ref	Heater, Battery	
142		Ref	Contactor	
143		Ref	Relay	
144		Ref	Sensor, Oil Pressure	
145		Ref	Sensor, Speed	
146		Ref	Sensor, Fuel Rail Pressure	
147		Ref	Starter	
148		Ref	Alternator	
149		Ref	Engine Coolant Temperature Sensor	
150		Ref	Sensor, Speed	
151		Ref	Sensor, Fuel Pressure	
152		Ref	Module, Engine Control	
153		Ref	Solenoids, Piston Pump	
154		Ref	Fuel Pump	
155		Ref	Sensor, Coolant Level	
156		Ref	Heater, Engine Block	
157		Ref	Air Shut Off Valve (ASOV)	
158		Ref	Relay	
159		Ref	Sensor, Temperature	
160		Ref	Sensor, Oil Pressure	
161		Ref	Starter	
162		Ref	Alternator	
163		Ref	Engine Coolant Temperature Sensor	
164		Ref	Sensor, Speed	
165		Ref	Module, Engine Control	
166		Ref	Solenoids, Gear Pump	
167		Ref	Heater, Engine Block	
168		Ref	Contactor	
169		Ref	Relay	
170		Ref	Starter	
171		Ref	Alternator	
172		Ref	Sensor, Ambient Air Temperature	
173		Ref	Sensor, Fuel Pressure	
174		Ref	Module, Engine Control	
175		Ref	Solenoids, Variable Pump	
176		Ref	Fuel Pump	
177		Ref	Sensor, Coolant Level	
178		Ref	Solenoid, Lift Cylinder	
179		Ref	Sensor, Proximity	
180		Ref	Sensor, Proximity	
181		Ref	Sensor, Lower Angle	
182		Ref	Sensor, Upper Angle	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
183		Ref	Solenoids, Platform Valve	
184		Ref	Cell, Load Sensing	
185		Ref	Platform Work Light	
186		Ref	Switch, Platform Flood Light	
187		Ref	Platform Flood Light	
188		Ref	Light, Platform Strobe	
189		Ref	Switch, Generator	
190		Ref	Junction Box	
191		Ref	AC Receptacle	
192		Ref	Welding Machine	
193		Ref	AC Receptacle	
194		Ref	AC Receptacle	
195		Ref	AC Receptacle/Breaker Box	
196		Ref	Switch, SkyGuard	
197		Ref	Relay	
198		Ref	Sensor, SkyEye Receiver	
199		Ref	Sensor, SkyEye Emitter	
200		Ref	Sensor, SkyLine Proximity	
201		Ref	Footswitch	
202		Ref	Switch, Horn	
203		Ref	Switch, SkyGuard Override	
204		Ref	Switch, Function Speed Control	
205		Ref	Switch, Power/Emergency Stop	
206		Ref	Switch, Platform Leveling Override	
207		Ref	Switch, Start/Auxilliary Power	
208		Ref	Switch, Boom Telescope	
209		Ref	Switch, Jib Up/Down	
210		Ref	Switch, Platform Rotate	
211		Ref	Switch, Drive Orientation Override	
212		Ref	Switch, Drive Speed/ Torque Select	
213		Ref	Controller, Drive/Steer	
214		Ref	Controller, Main Lift/Swing	
215		Ref	Display, Platform	
216		Ref	Light, SkyGaurd Indicator	
217		Ref	Alarm	
218		Ref	Module, Platform	
219		Ref	Sensor, Tilt	
220		Ref	Switch, Emergency Stop	
221		Ref	Display, Ground	
222		Ref	Switch, Turntable Swing	
223		Ref	Switch, Boom Lift	
224		Ref	Switch, Boom Telescope	
225		Ref	Switch, Jib Up/Down	
226		Ref	Switch, Platform Rotate	
227		Ref	Switch, Platform Leveling Override	
228		Ref	Switch, Engine Start/ Auxiliary Power	
229		Ref	Indicator Panel	
230		Ref	Switch, Key	
231		Ref	Switch, Machine Safety System Override (MSSO)	
232		Ref	Light, ASOV	

FIGURE 8-2. ELECTRICAL INSTALLATION (DEUTZ D2011 & DEUTZ DT2.9L4 ENGINES)




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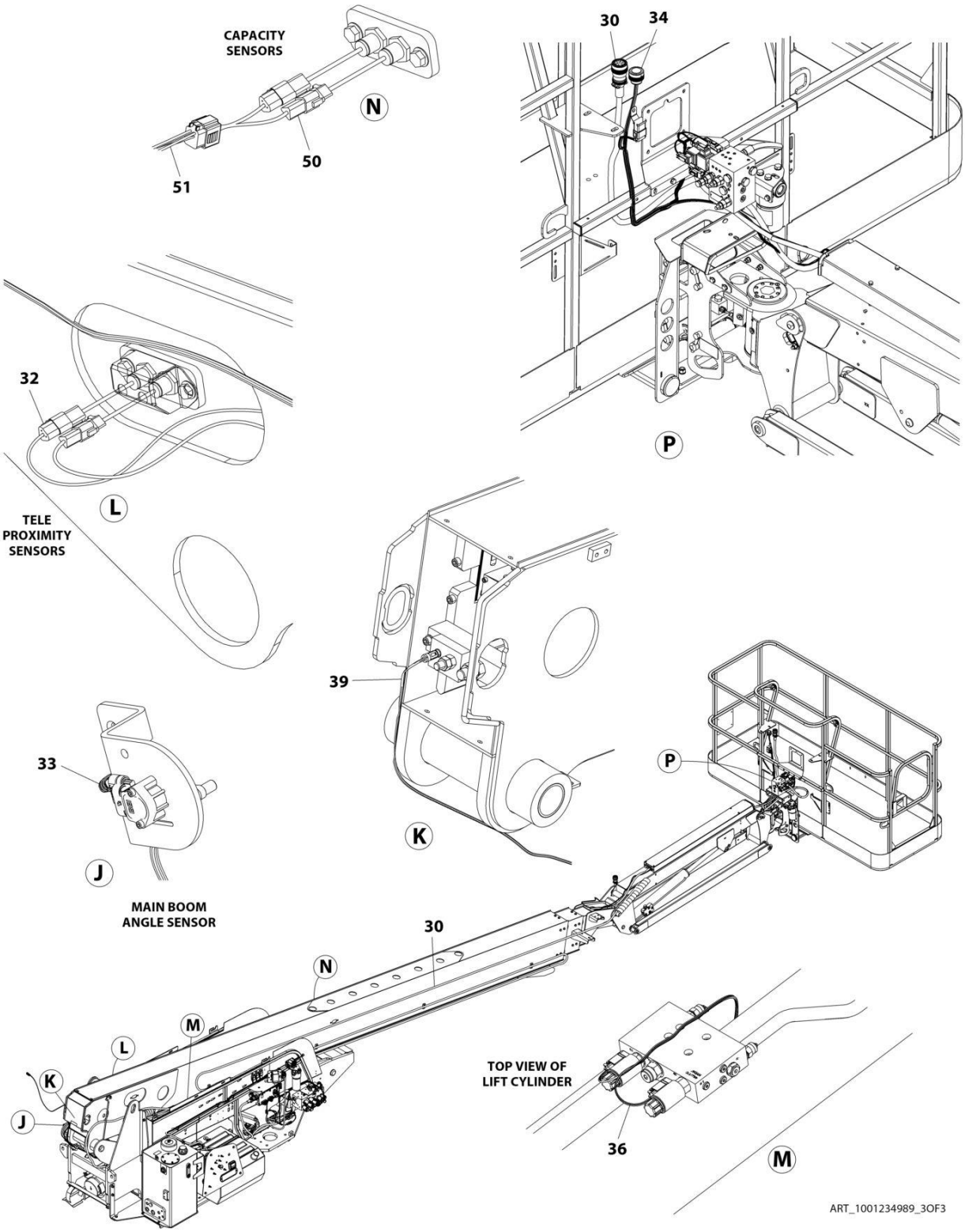
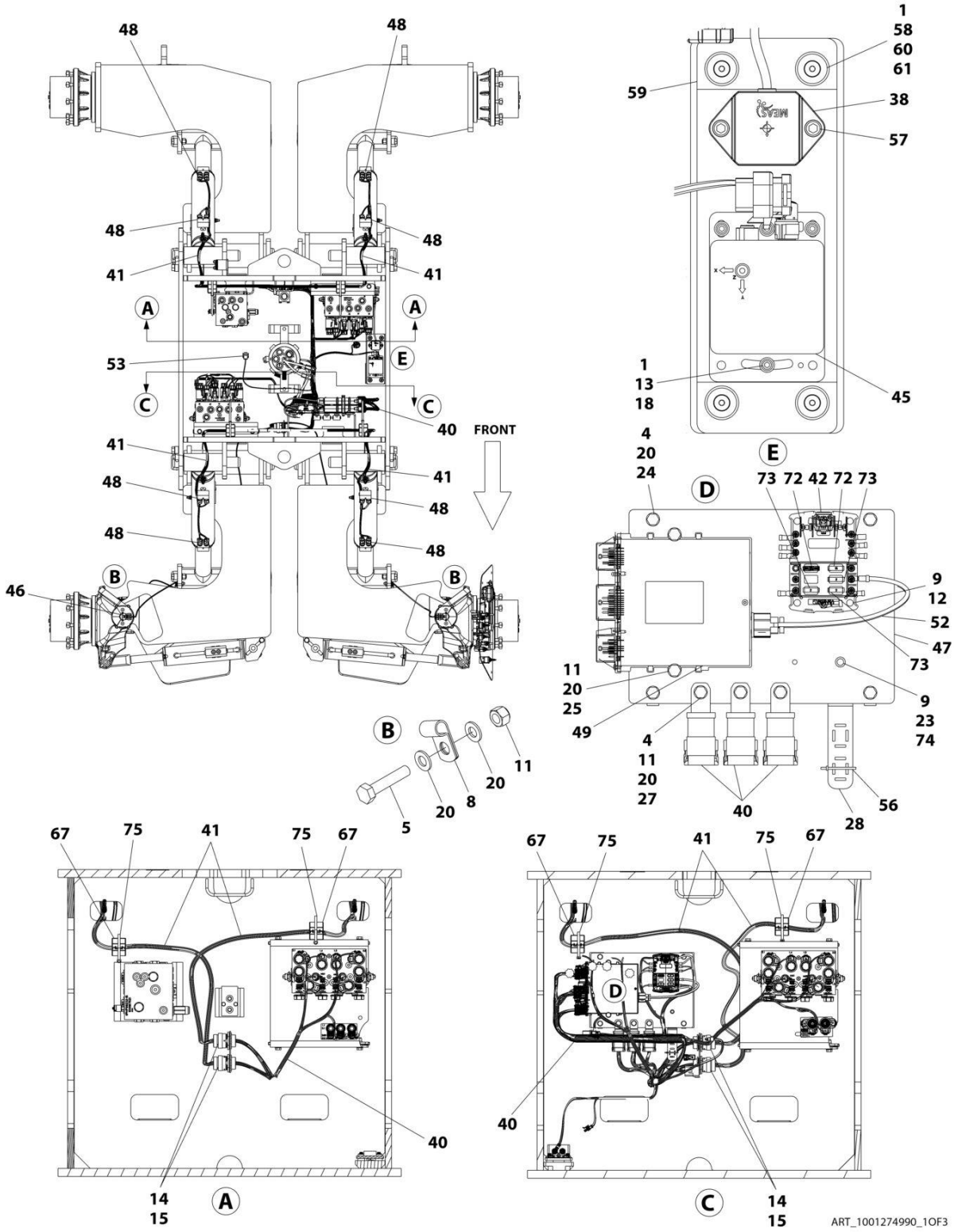

CAPACITY SENSORS
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TELE PROXIMITY SENSORS
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J
MAIN BOOM ANGLE SENSOR
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K
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TOP VIEW OF LIFT CYLINDER
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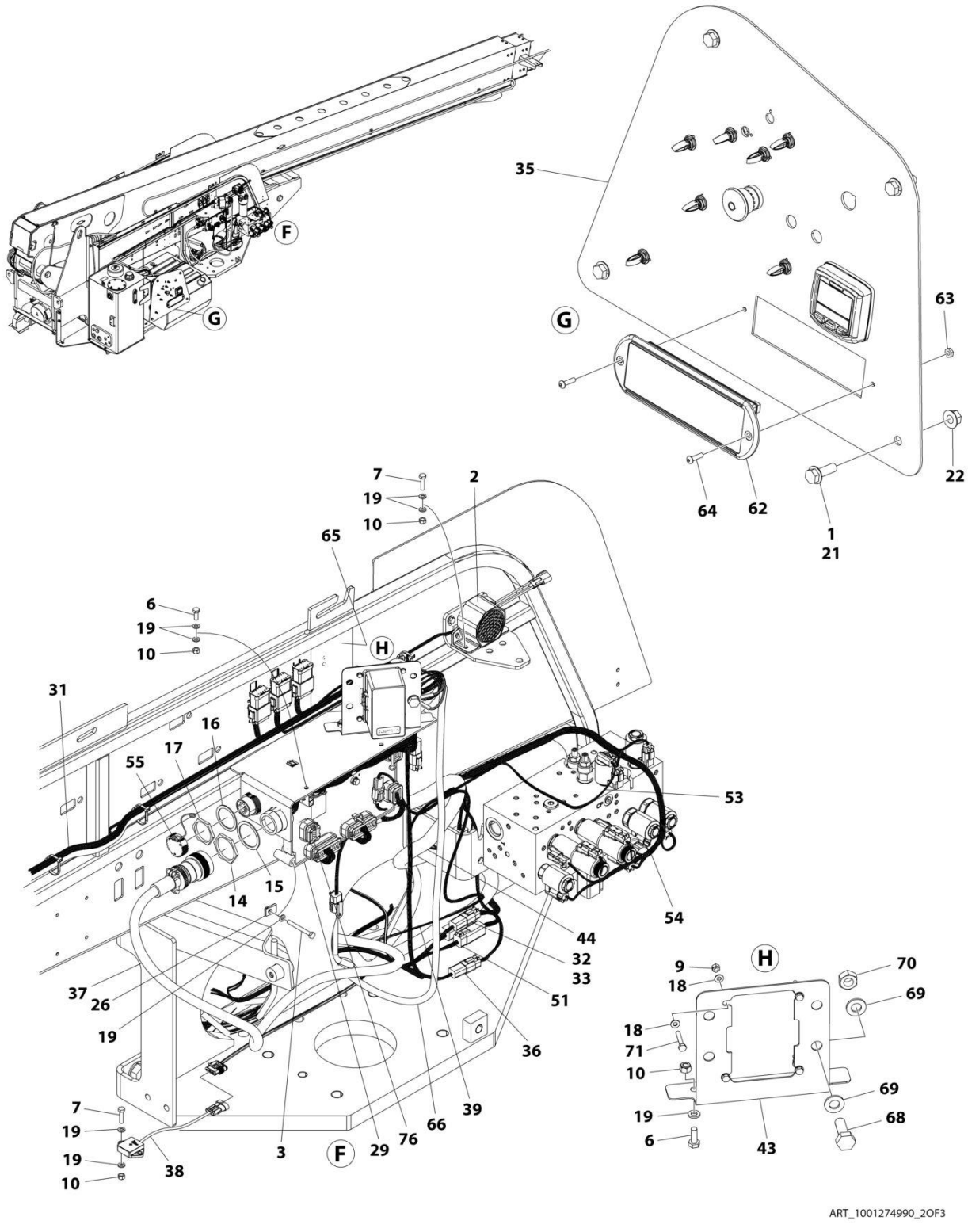
FIGURE 8-2. ELECTRICAL INSTALLATION (DEUTZ D2011 & DEUTZ DT2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234989	Ref	ELECTRICAL INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0140043	1	Alarm	
3	0700619	5	Bolt M6 x 55	
4	0700812	7	Bolt M8 x 25	
5	0700816	2	Bolt M8 x 40	
6	0760608	3	Bolt M6 x 16	
7	0760612	4	Bolt M6 x 25	
8	1320263	2	Clamp	
9	3290405	9	Nut M4	
10	3290605	7	Nut M6	
11	3290805	7	Nut M8	
12	4010408	4	Screw M4 x 16	
13	4031507	4	Capscrew M4 x 16	
14	4460470	5	Nut, Terminal	
15	4460471	5	Washer, Terminal	
16	4460496	1	Washer, Terminal	
17	4460497	1	Nut, Terminal	
18	4811400	12	Washer M4	
19	4811700	17	Washer M6	
20	4811900	18	Washer M8	
21	5251014	4	Bolt M10 x 30	
22	5261000	4	Nut M10	
23	1001101540	1 ft	Screw M4 x 14	
24	1001118274	4	Nut, Terminal M8	
25	1001127624	2	Bolt M8 x 95	
26	1001130220	5	Nut, Terminal M6	
27	1001120328	6	Mount	
28	1001159162	1	Bracket	
29	1001187200	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
29	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
30	1001188534	1	Boom Cable - Upper (See Separate Breakdown in this Section)	
31	1001238408	1	Ground Control Harness (See Separate Breakdown in this Section)	
32	1001189003	1	Tele Proximity Harness (See Separate Breakdown in this Section)	
33	1001189005	1	Boom Angle Sensor Harness (See Separate Breakdown in this Section)	
34	1001264338	1	Valve Harness - Platform (See Separate Breakdown in this Section)	
35	1001250273	1	Ground Control Panel Assembly (See Separate Breakdown in TURNTABLE Section)	
36	1001205923	1	Lift Cylinder Harness (See Separate Breakdown in this Section)	
37	1001206082	1	Boom Cable - Lower (See Separate Breakdown in this Section)	
38	1001219601	2	Sensor, Tilt	
39	1001227527	1	Service Cable	
40	1001236347	1	Chassis Harness (See Separate Breakdown in this Section)	
41	1001236349	4	Axle Harness (See Separate Breakdown in this Section)	
42	1001236432	1	Fuse Holder/Circuit Box	
43	1001237822	1	Plate	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001238405	1	Turntable Harness (See Separate Breakdown in this Section)	
45	1001238623	1	Sensor Inclinometer	
46	1001239268	2	Steer Harness (See Separate Breakdown in this Section)	
47	1001239377	1	Plate, Mounting	
48	1001239532	16	Sensor, Pressure Transducer	
49	1001239562	2	Module, Frame Control (Note: Re-calibration Required when Replaced)	
50	1001238191	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
51	1001242908	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
52	1001245838	2	Module Pwr Harness	
53	1001248178	1	Turntable Auxiliary Harness (See Separate Breakdown in this Section)	
54	1001248239	1	Valve Harness - Main Control (See Separate Breakdown in this Section)	
55	1001106736	1	Cap, Dust	
56	4240099	AR	Tie-Strap (Not Shown)	
57	4031707	2	Bolt M6 x 16	
58	4811702	4	Washer M6	
59	1001254537	1	Plate, Mounting	
60	1001254538	4	Isolator	
61	1001254539	4	Screw M5 x 20	
62	1001237546	1	Light Panel Assembly (Includes Housing, Lens, Seal and PC Board)	
63	3300408	2	Nut	
64	0630518	2	Screw #10 x 3/4	
65	1001239512	1	Decal - Fuse Box	
66	1001239290	1	UGM Ground Cable	
67	1001261120	4	Connector, Ferrite	
68	0761014	1	Bolt M10 x 30	
69	4812000	2	Washer M10	
70	3291001	1	Nut M10	
71	0700412	4	Bolt M4 x 25	
72	8229237	2	Fuse 15Amp	
73	1001227788	3	Fuse 2Amp	
74	1001091102	2	Washer M4	
75	1062255	4	Tie-Strap	
76	1001246859	1	Connector - 14 Position Gray	

FIGURE 8-3. ELECTRICAL INSTALLATION (DEUTZ DT2.2L3 - STAGE V ENGINES)




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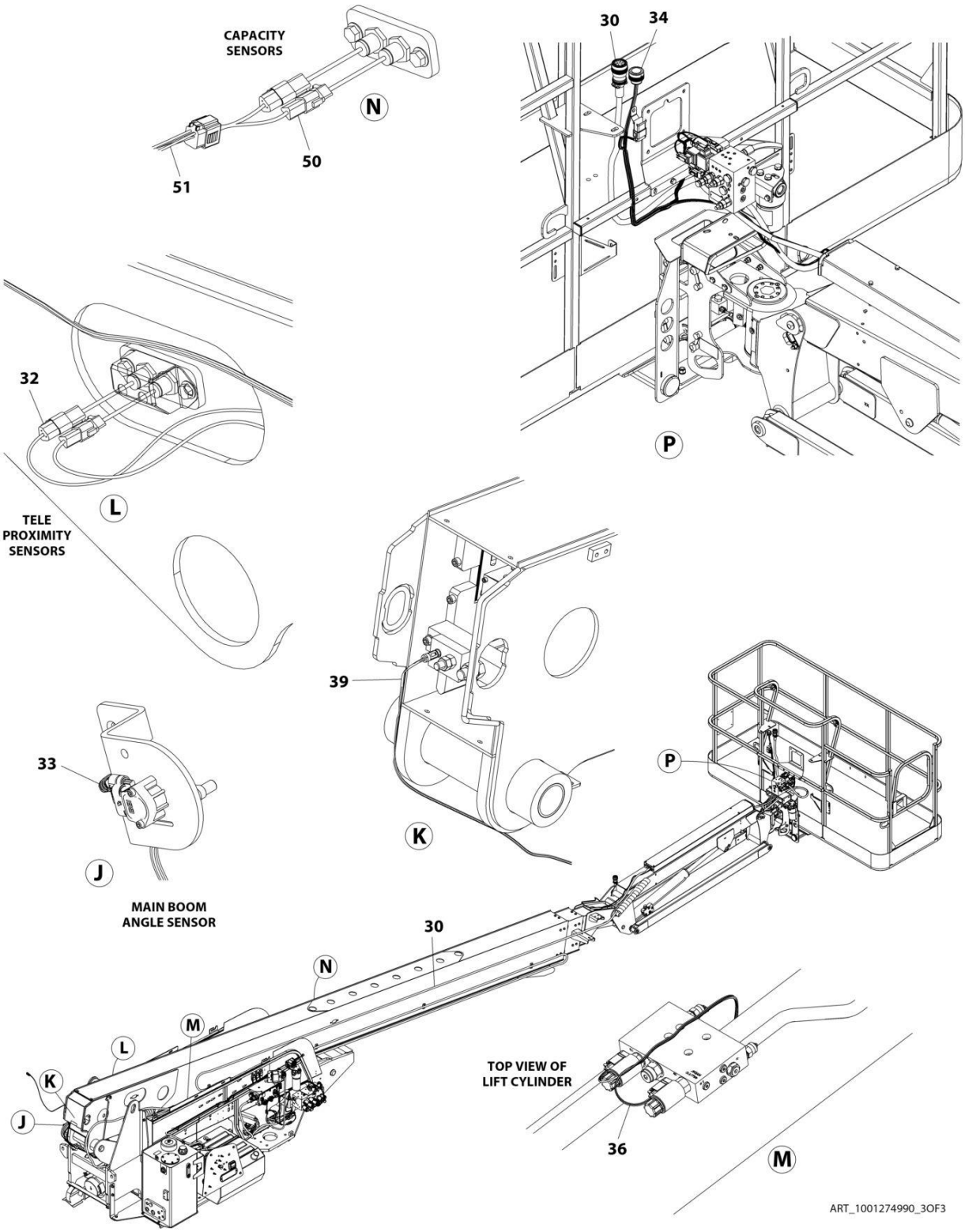

CAPACITY SENSORS
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51
30
34
P
32
L
TELE PROXIMITY SENSORS
39
K
33
J
MAIN BOOM ANGLE SENSOR
P
30
N
M
L
K
J
TOP VIEW OF LIFT CYLINDER
36
M
ART_1001274990_3OF3

FIGURE 8-3. ELECTRICAL INSTALLATION (DEUTZ DT2.2L3 - STAGE V ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274990	Ref	ELECTRICAL INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0140043	1	Alarm	
3	0700619	5	Bolt M6 x 55	
4	0700812	7	Bolt M8 x 25	
5	0700816	2	Bolt M8 x 40	
6	0760608	3	Bolt M6 x 16	
7	0760612	4	Bolt M6 x 25	
8	1320263	2	Clamp	
9	3290405	9	Nut M4	
10	3290605	7	Nut M6	
11	3290805	7	Nut M8	
12	4010408	4	Screw M4 x 16	
13	4031507	4	Capscrew M4 x 16	
14	4460470	5	Nut, Terminal	
15	4460471	5	Washer, Terminal	
16	4460496	1	Washer, Terminal	
17	4460497	1	Nut, Terminal	
18	4811400	12	Washer M4	
19	4811700	17	Washer M6	
20	4811900	18	Washer M8	
21	5251014	4	Bolt M10 x 30	
22	5261000	4	Nut M10	
23	1001101540	1	Screw M4 x 14	
24	1001118274	4	Nut, Terminal M8	
25	1001127624	2	Bolt M8 x 95	
26	1001130220	5	Nut, Terminal M6	
27	1001120328	6	Mount	
28	1001159162	1	Bracket	
29	1001187200	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
29	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
30	1001188534	1	Boom Cable - Upper (See Separate Breakdown in this Section)	
31	1001238408	1	Ground Control Harness (See Separate Breakdown in this Section)	
32	1001189003	1	Tele Proximity Harness (See Separate Breakdown in this Section)	
33	1001189005	1	Boom Angle Sensor Harness (See Separate Breakdown in this Section)	
34	1001264338	1	Valve Harness - Platform (See Separate Breakdown in this Section)	
35	1001245775	1	Ground Control Panel Assembly (See Separate Breakdown in TURNTABLE Section)	
36	1001205923	1	Lift Cylinder Harness (See Separate Breakdown in this Section)	
37	1001206082	1	Boom Cable - Lower (See Separate Breakdown in this Section)	
38	1001219601	2	Sensor, Tilt	
39	1001227527	1	Service Cable	
40	1001236347	1	Chassis Harness (See Separate Breakdown in this Section)	
41	1001236349	4	Axle Harness (See Separate Breakdown in this Section)	
42	1001236432	1	Fuse Holder/Circuit Box	
43	1001237822	1	Plate	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001238405	1	Turntable Harness (See Separate Breakdown in this Section)	
45	1001238623	1	Sensor Inclinometer	
46	1001239268	2	Steer Harness (See Separate Breakdown in this Section)	
47	1001239377	1	Plate, Mounting	
48	1001239532	16	Sensor, Pressure Transducer	
49	1001239562	2	Module, Frame Control (Note: Re-calibration Required when Replaced)	
50	1001238191	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
51	1001242908	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
52	1001245838	2	Module Pwr Harness	
53	1001248178	1	Turntable Auxiliary Harness (See Separate Breakdown in this Section)	
54	1001248239	1	Valve Harness - Main Control (See Separate Breakdown in this Section)	
55	1001106736	1	Cap, Dust	
56	4240099	AR	Tie-Strap (Not Shown)	
57	4031707	2	Bolt M6 x 16	
58	4811702	4	Washer M6	
59	1001254537	1	Plate, Mounting	
60	1001254538	4	Isolator	
61	1001254539	4	Screw M5 x 20	
62	1001237546	1	Light Panel Assembly (Includes Housing, Lens, Seal and PC Board)	
63	3300408	2	Nut	
64	0630518	2	Screw #10 x 3/4	
65	1001239512	1	Decal - Fuse Box	
66	1001239290	1	UGM Ground Cable	
67	1001261120	4	Connector, Ferrite	
68	0761014	1	Bolt M10 x 30	
69	4812000	2	Washer M10	
70	3291001	1	Nut M10	
71	0700412	4	Bolt M4 x 25	
72	8229237	2	Fuse 15Amp	
73	1001227788	3	Fuse 2Amp	
74	1001091102	2	Washer M4	
75	1062255	4	Tie-Strap	
76	1001246859	1	Connector, 14 Position Gray	

FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS AND WITHOUT 4000W GENERATOR)

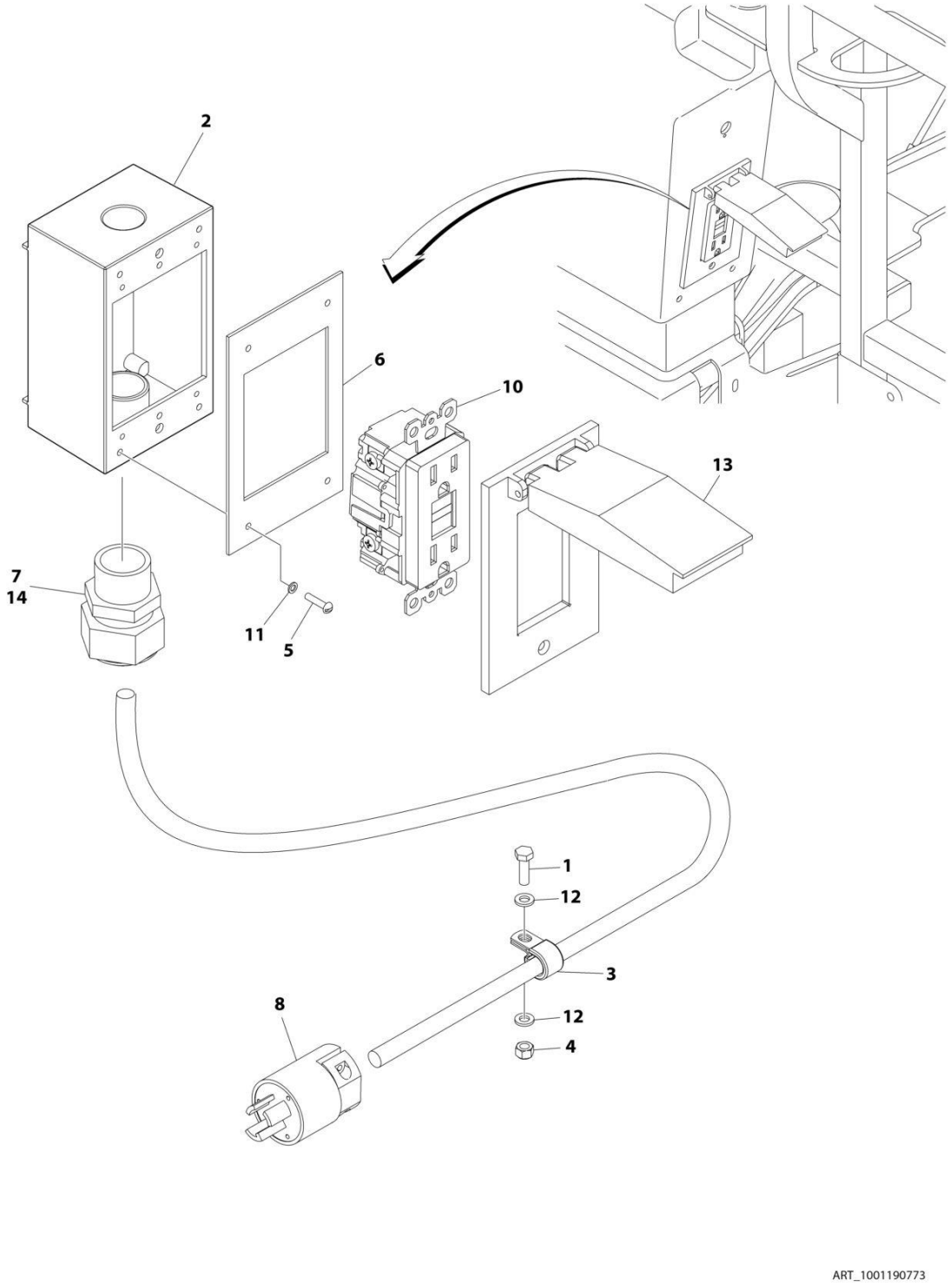


FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS AND WITHOUT 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190773	Ref	AC BOX AT PLATFORM INSTALLATION	C
1	0760610	1	Bolt M6 x 20	
2	0860038	1	Box, Switch	
3	1320041	1	Clamp	
4	3290605	1	Nut M6	
5	3910610	4	Screw #6 x 5/8	
6	3960422	1	Gasket	
7	4460071	1	Connector, Strain Relief	
8	4460205	1	Plug, Male	
9	4460315	1	Terminal, Spade (Not Shown)	
10	4460346	1	Receptacle	
11	4760600	4	Washer #6	
12	4811700	2	Washer M6	
13	1001110873	1	Shield, Cover	
14	0100079	AR	Sealant	

FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS WITHOUT 4000W/50HZ GENERATOR)

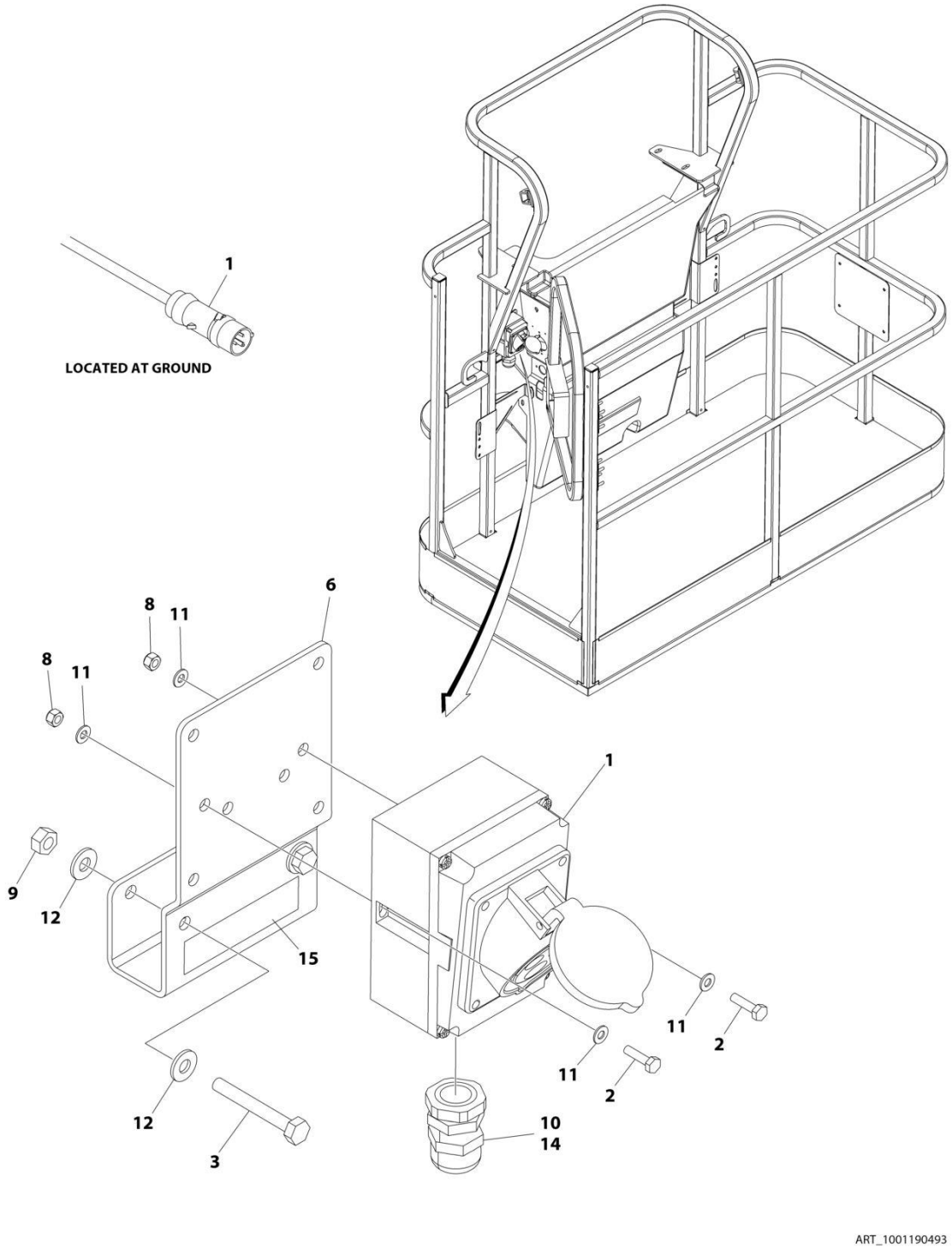


FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS WITHOUT 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190493	Ref	AC BOX AT PLATFORM INSTALLATION	C
1	0275216	1	Receptacle Box Kit - 110V IEC Yellow (See Separate Breakdown in this Section)	
2	0700408	2	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
6	1001193018	1	Bracket	
8	3290405	2	Nut M4	
9	3290605	2	Nut M6	
10	4460968	1	Connector, Strain Relief	
11	4811400	4	Washer M4	
12	4811700	4	Washer M6	
14	0100079	AR	Sealant	
15	1705325	1	Decal - 110V	

FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS WITH 4000W/50HZ GENERATOR)

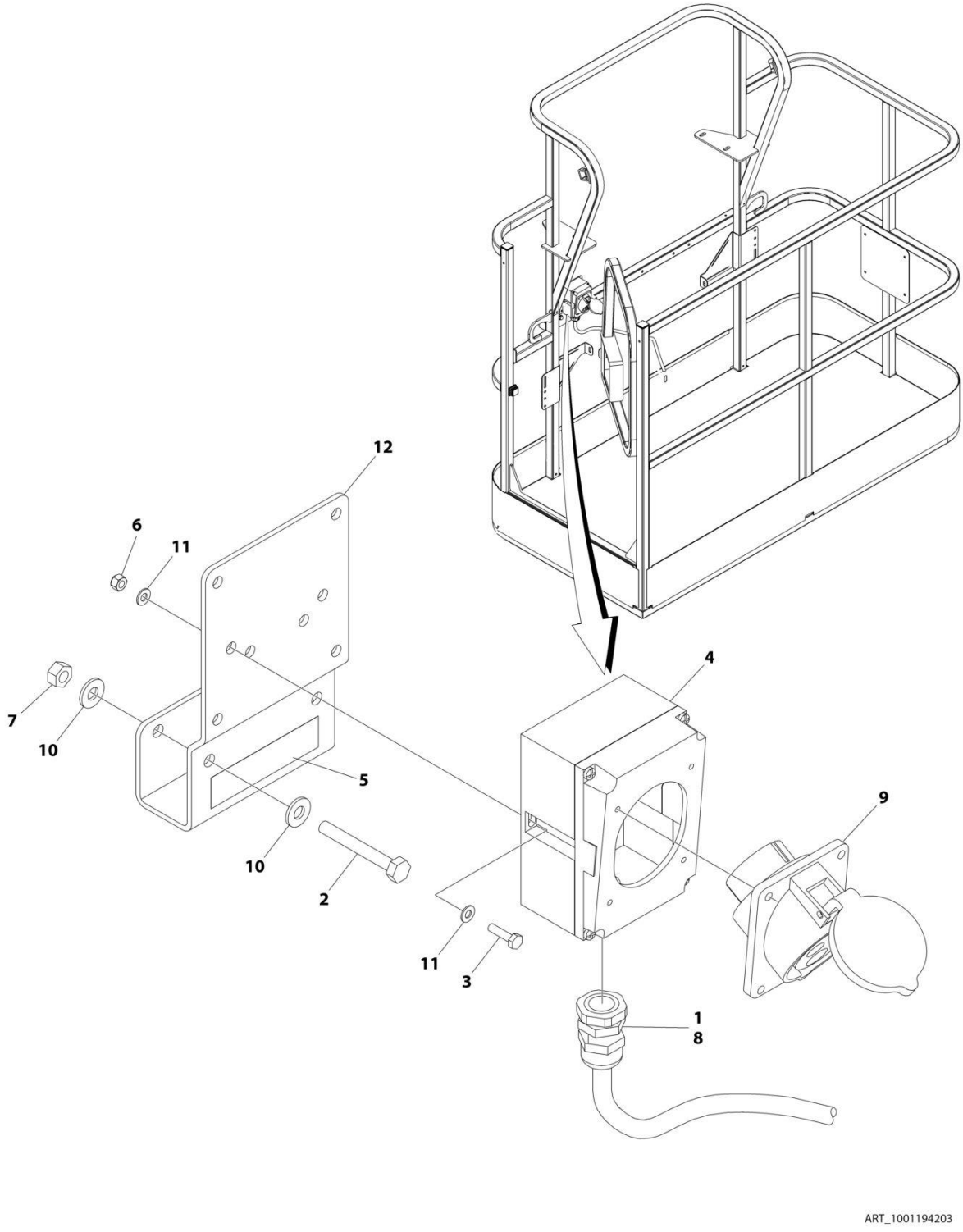


FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS WITH 4000W/50HZ GENERATOR)

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

FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS WITHOUT 4000W/50HZ GENERATOR)

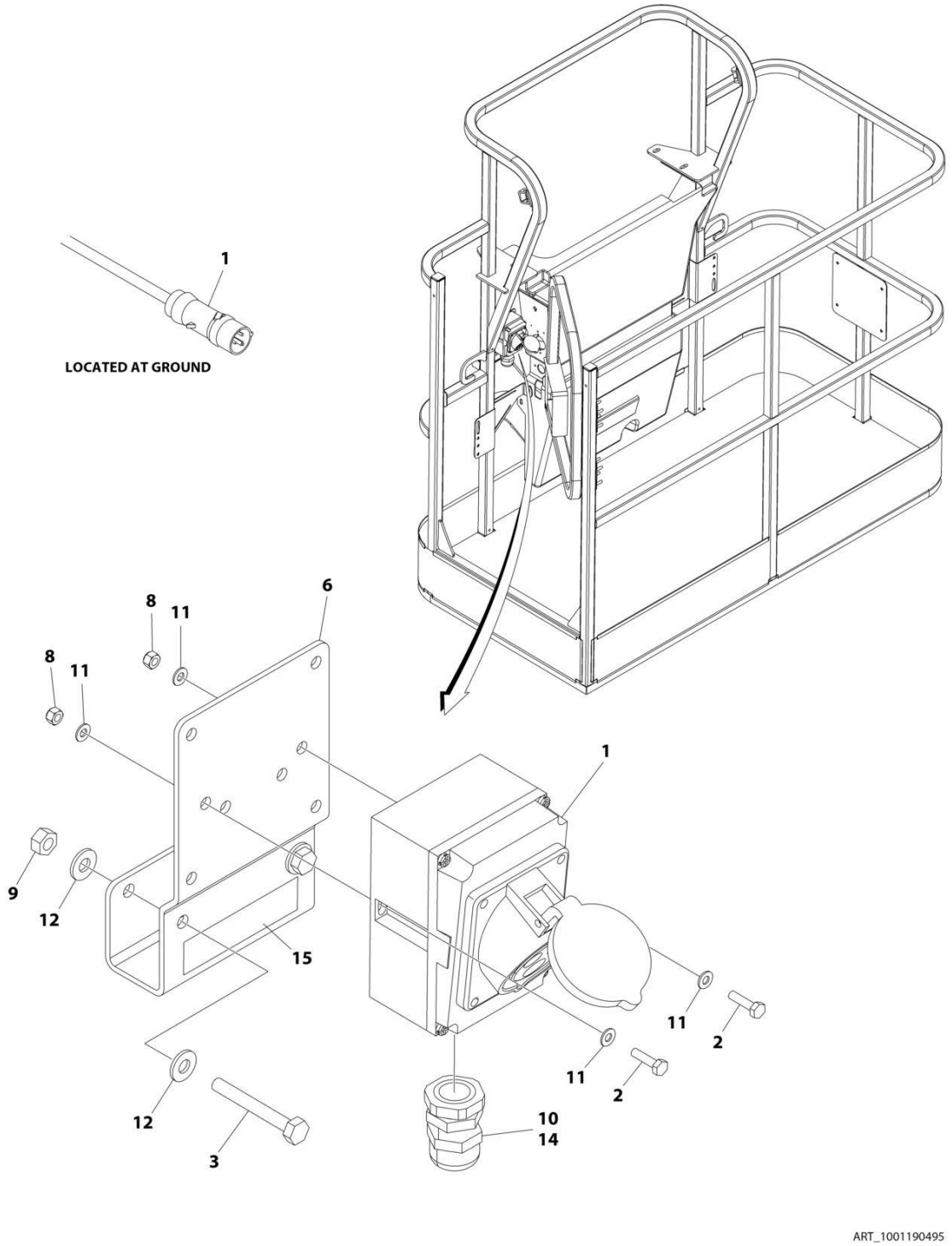


FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS WITHOUT 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190495	Ref	AC BOX AT PLATFORM INSTALLATION	C
1	0275217	1	Receptacle Box Kit - 220V IEC Blue (See Separate Breakdown in this Section)	
2	0700408	2	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
6	1001193018	1	Bracket	
8	3290405	2	Nut M4	
9	3290605	2	Nut M6	
10	4460968	1	Connector, Strain Relief	
11	4811400	4	Washer M4	
12	4811700	4	Washer M6	
14	0100079	AR	Sealant	
15	3252507	1	Decal - 220 Volt	

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

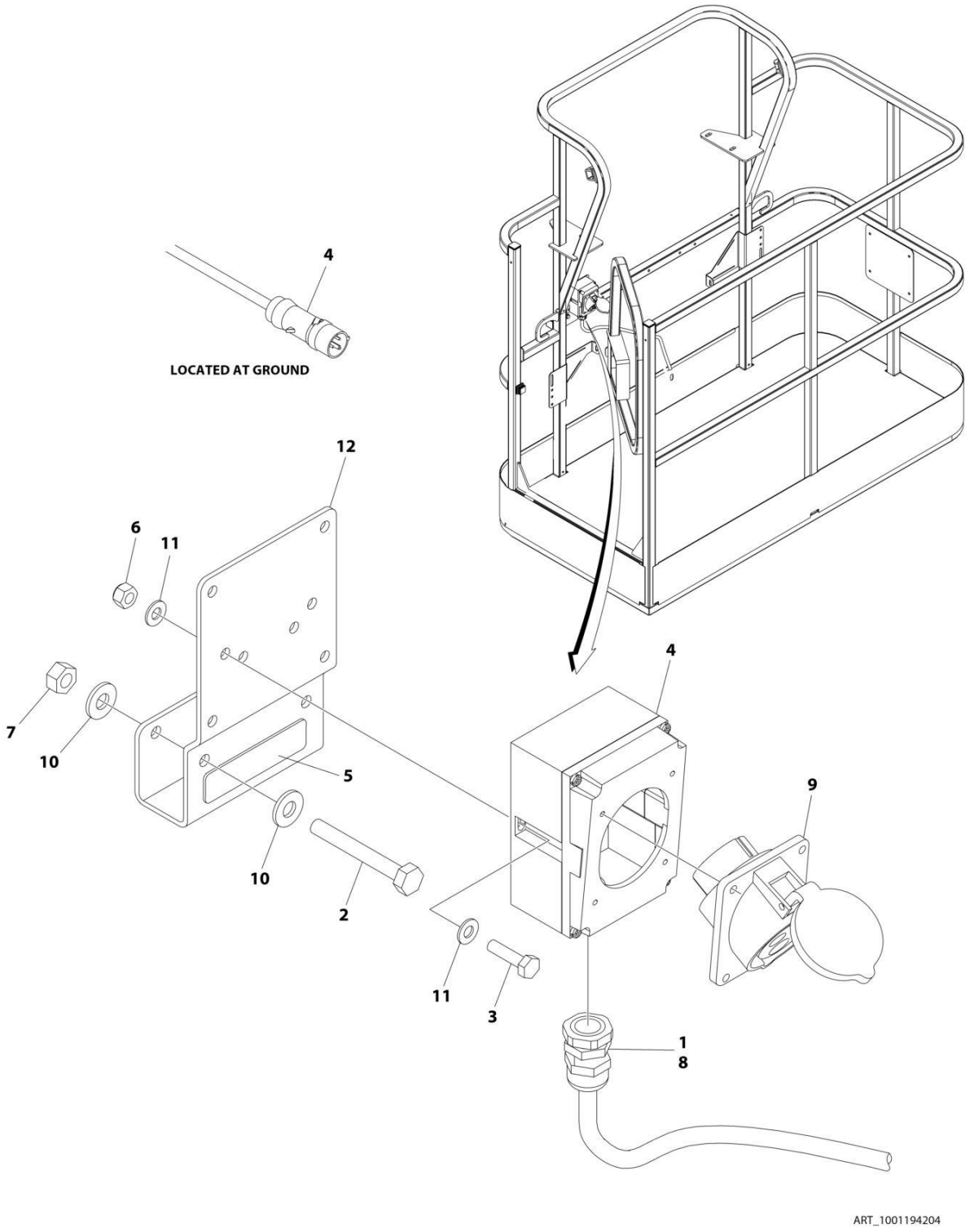


FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS WITH 4000W/50HZ GENERATOR)

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

FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE SPECS WITHOUT 4000W/50HZ GENERATOR)

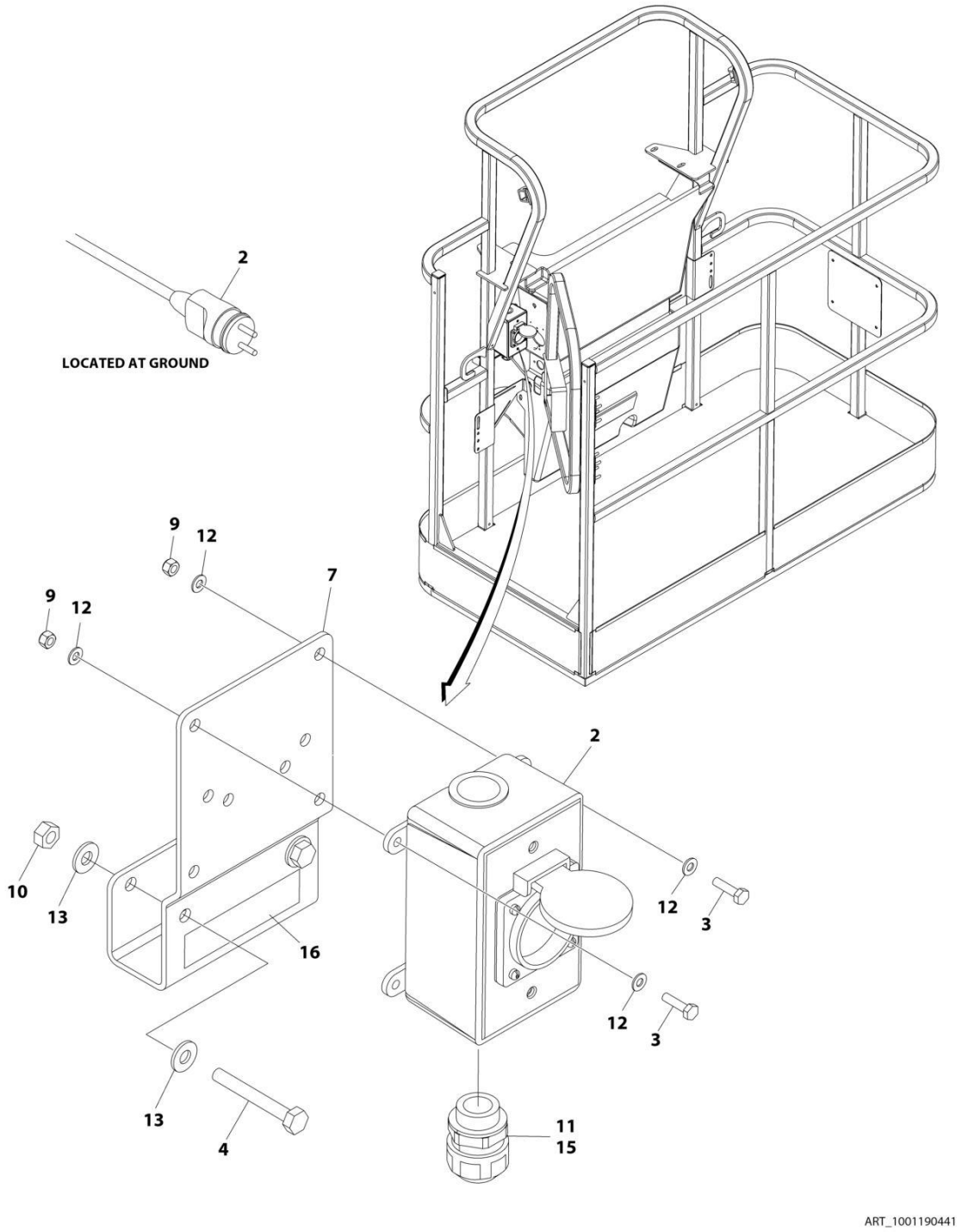


FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE SPECS WITHOUT 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190441	Ref	AC BOX AT PLATFORM INSTALLATION	D
2	0275452	1	Receptacle Box Kit - 220V CEE7 Post Ground 2in x 4in (See Separate Breakdown in this Section)	
3	0700408	4	Bolt M4 x 16	
4	0700618	2	Bolt M6 x 50	
7	1001193018	1	Bracket	
9	3290405	4	Nut M4	
10	3290605	2	Nut M6	
11	4460662	1	Connector, Strain Relief	
12	4811400	8	Washer M4	
13	4811700	4	Washer M6	
15	0100079	AR	Sealant	
16	3252507	1	Decal - 220 Volt	

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE SPECS WITH 4000W/50HZ GENERATOR)

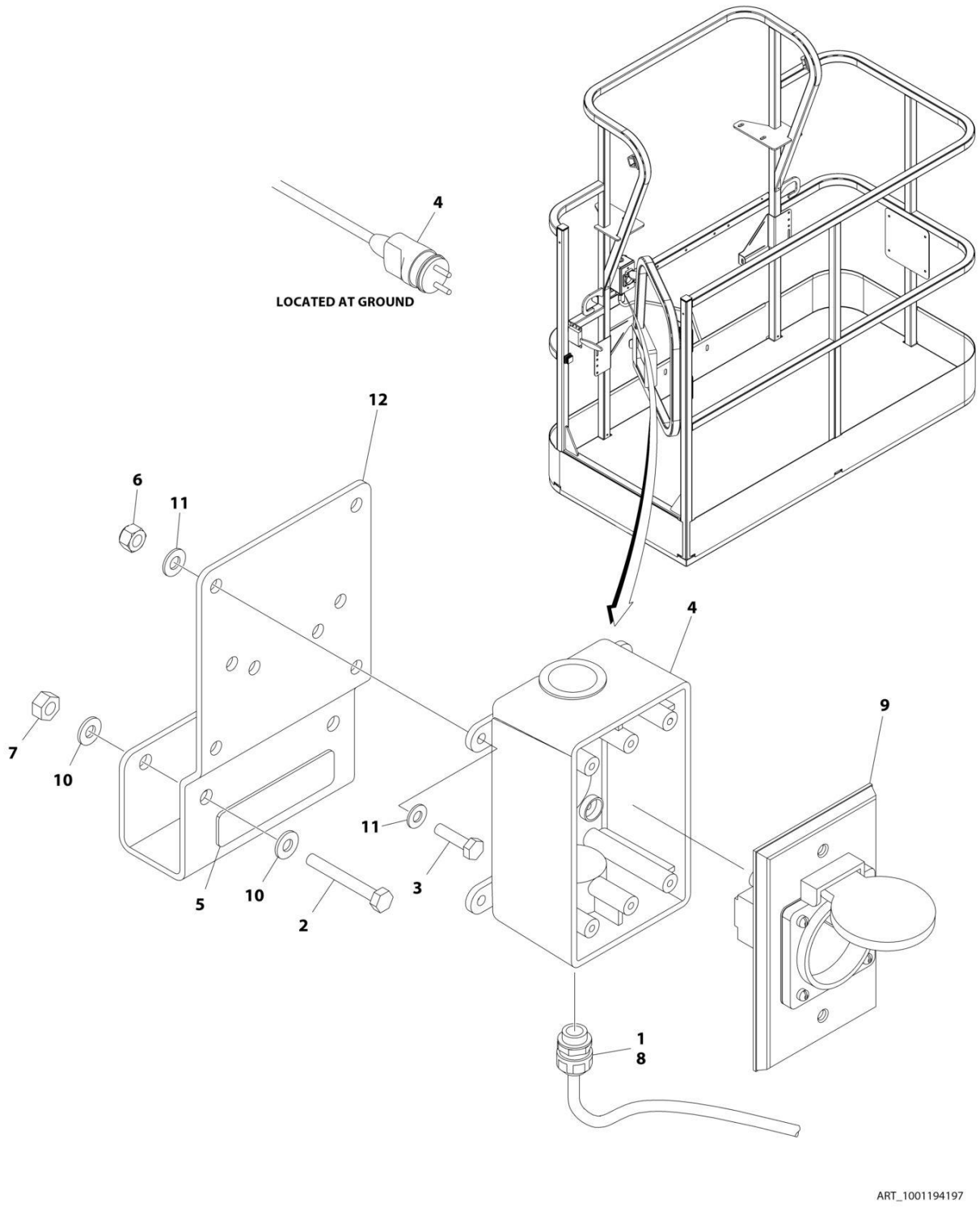


FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE SPECS WITH 4000W/50HZ GENERATOR)

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

FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE SPECS WITHOUT 4000W/50HZ GENERATOR)

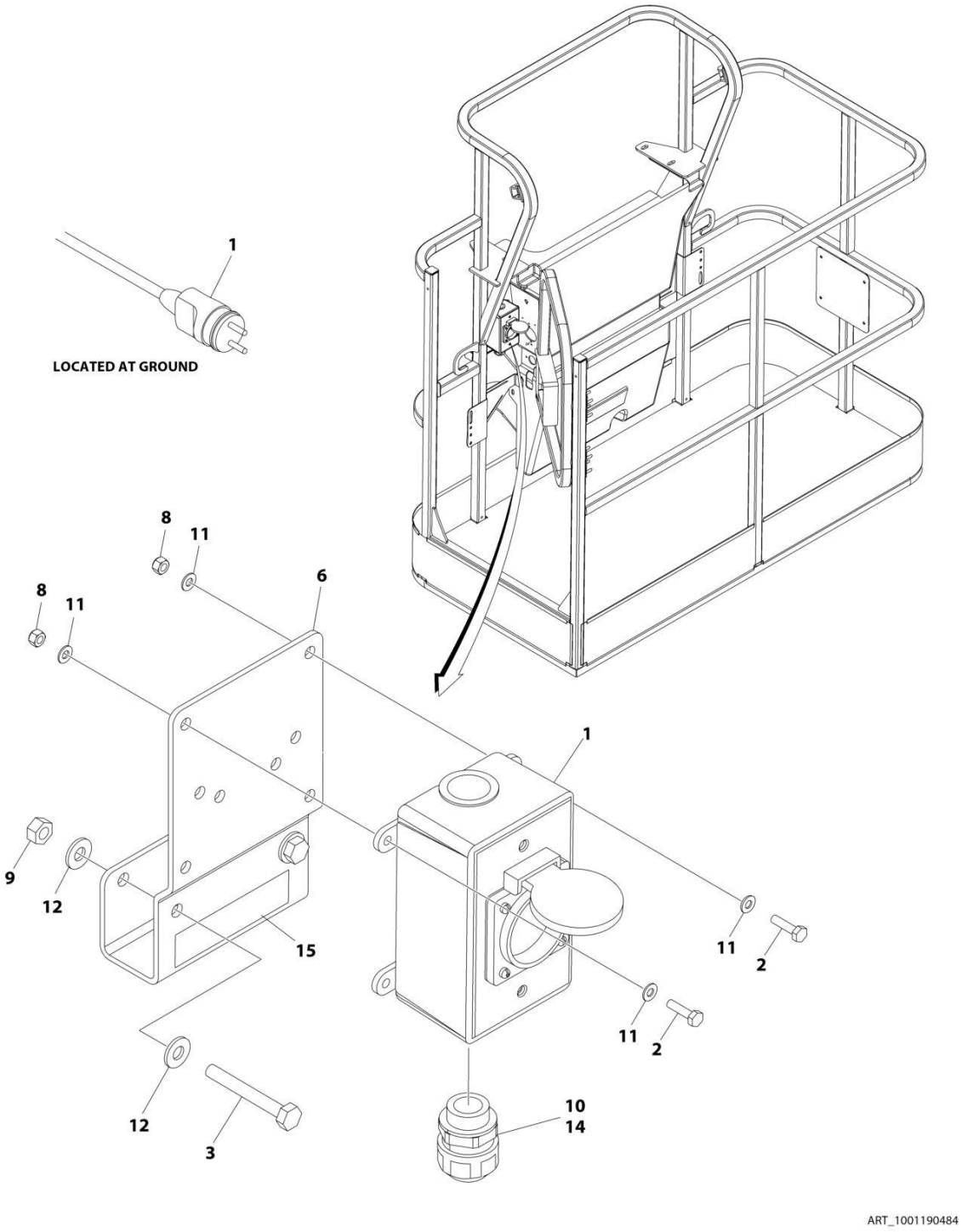


FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE SPECS WITHOUT 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190484	Ref	AC BOX AT PLATFORM INSTALLATION	D
1	0275453	1	Receptacle Box Kit - 220V CEE7 Side Ground 2in x 4in (See Separate Breakdown in this Section)	
2	0700408	4	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
6	1001193018	1	Bracket	
8	3290405	4	Nut M4	
9	3290605	2	Nut M6	
10	4460662	1	Connector, Strain Relief	
11	4811400	8	Washer M4	
12	4811700	4	Washer M6	
14	0100079	AR	Sealant	
15	3252507	1	Decal - 220 Volt	

FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE SPECS WITH 4000W/50HZ GENERATOR)

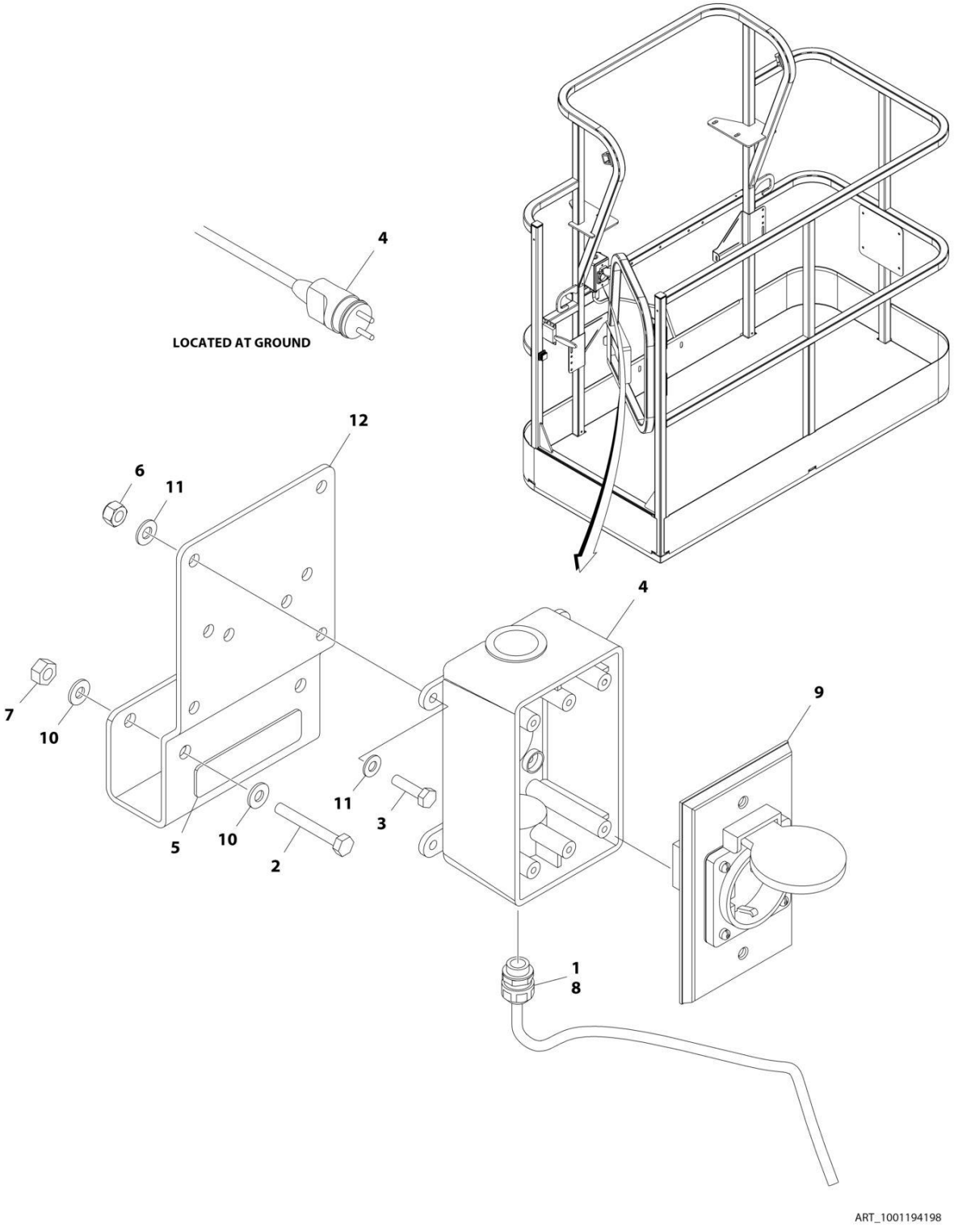


FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE SPECS WITH 4000W/50HZ GENERATOR)

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

FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPECS WITHOUT 4000W/50HZ GENERATOR)

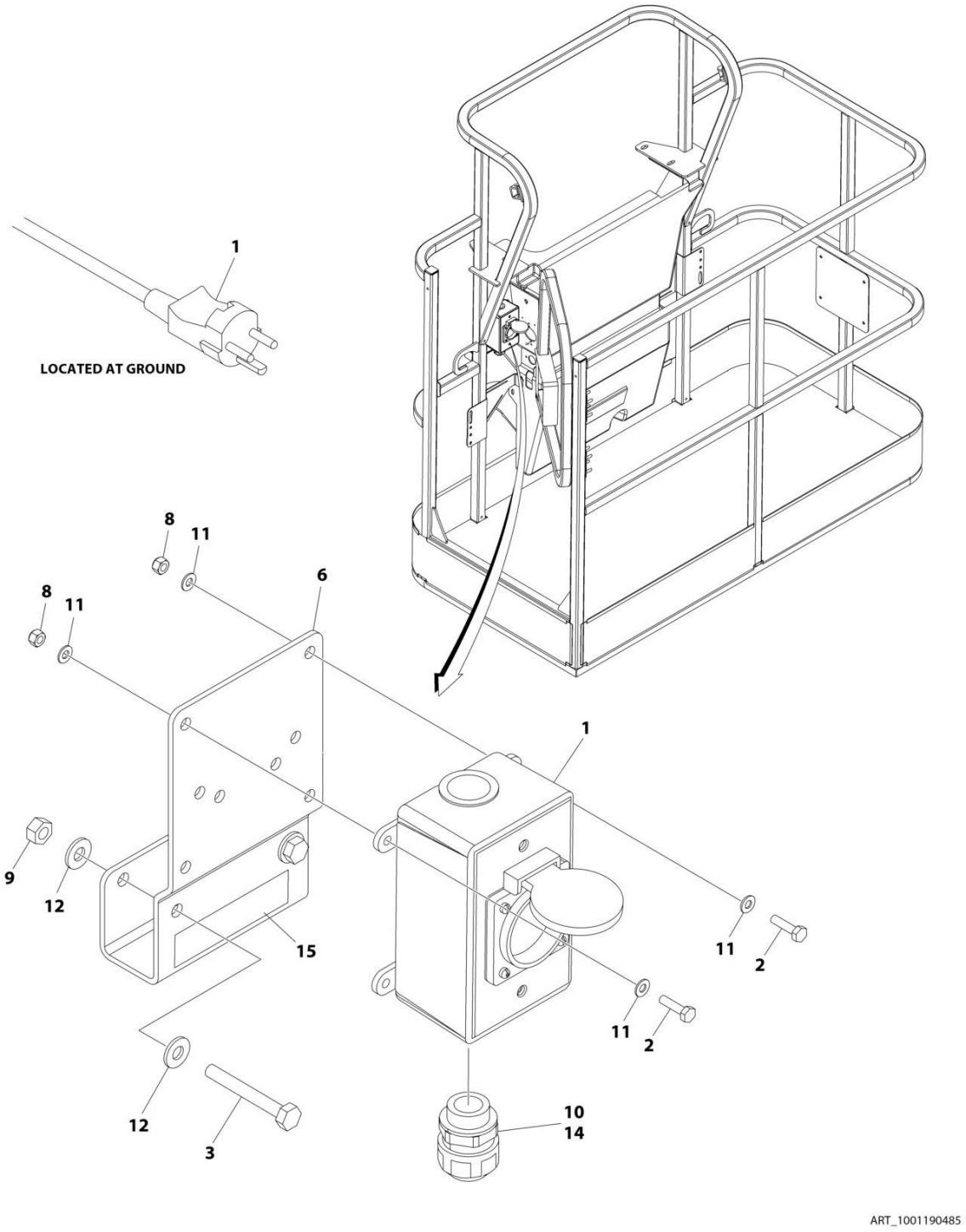


FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPECS WITHOUT 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190485	Ref	AC BOX AT PLATFORM INSTALLATION	C
1	0275454	1	Receptacle Box Kit - 220V AFSINT107 (See Separate Breakdown in this Section)	
2	0700408	4	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
6	1001193018	1	Bracket	
8	3290405	4	Nut M4	
9	3290605	2	Nut M6	
10	4460662	1	Connector, Strain Relief	
11	4811400	8	Washer M4	
12	4811700	4	Washer M6	
14	0100079	AR	Sealant	
15	3252507	1	Decal - 220 Volt	

FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPECS WITH 4000W/50HZ GENERATOR)

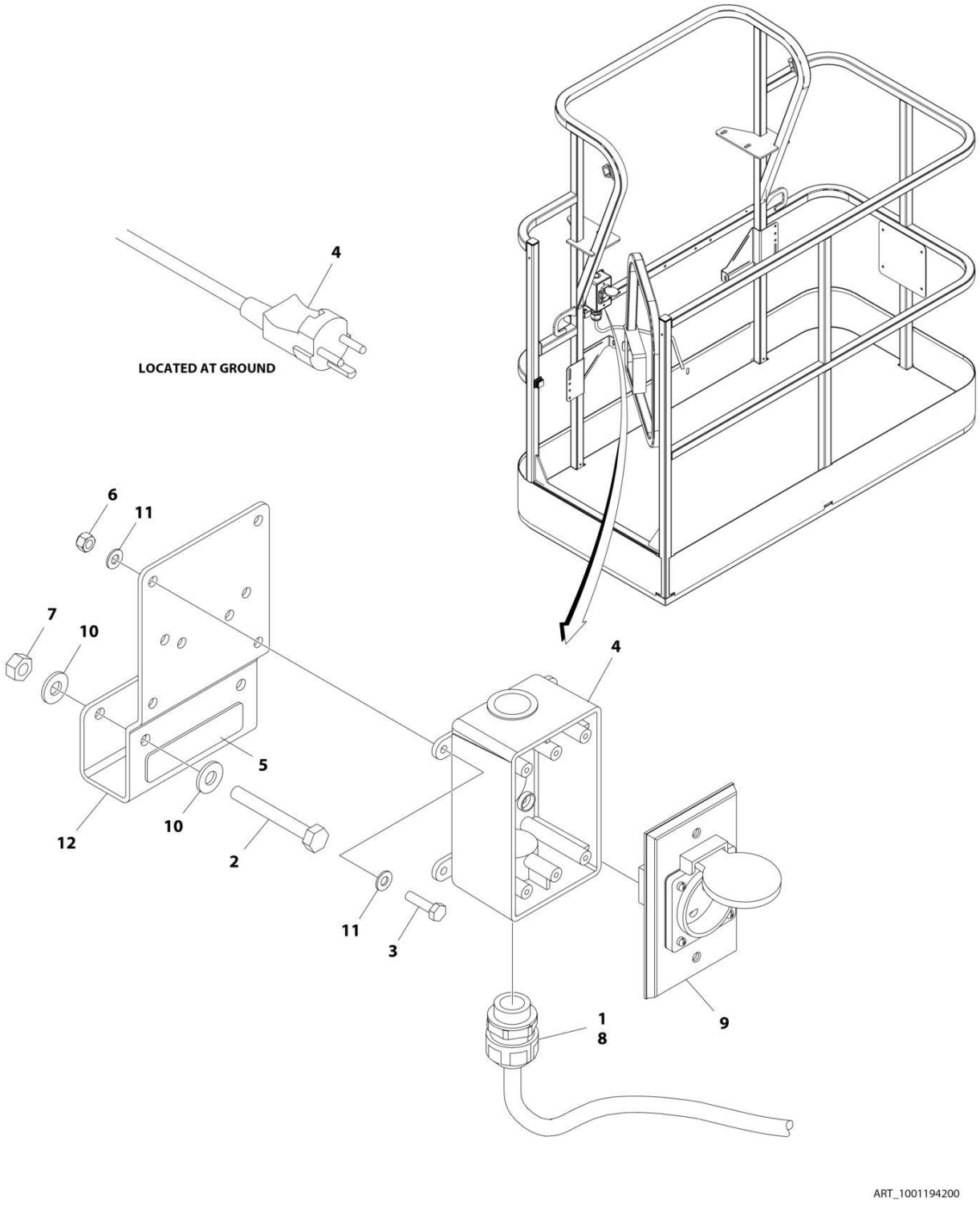


FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPECS WITH 4000W/50HZ GENERATOR)

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

FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)

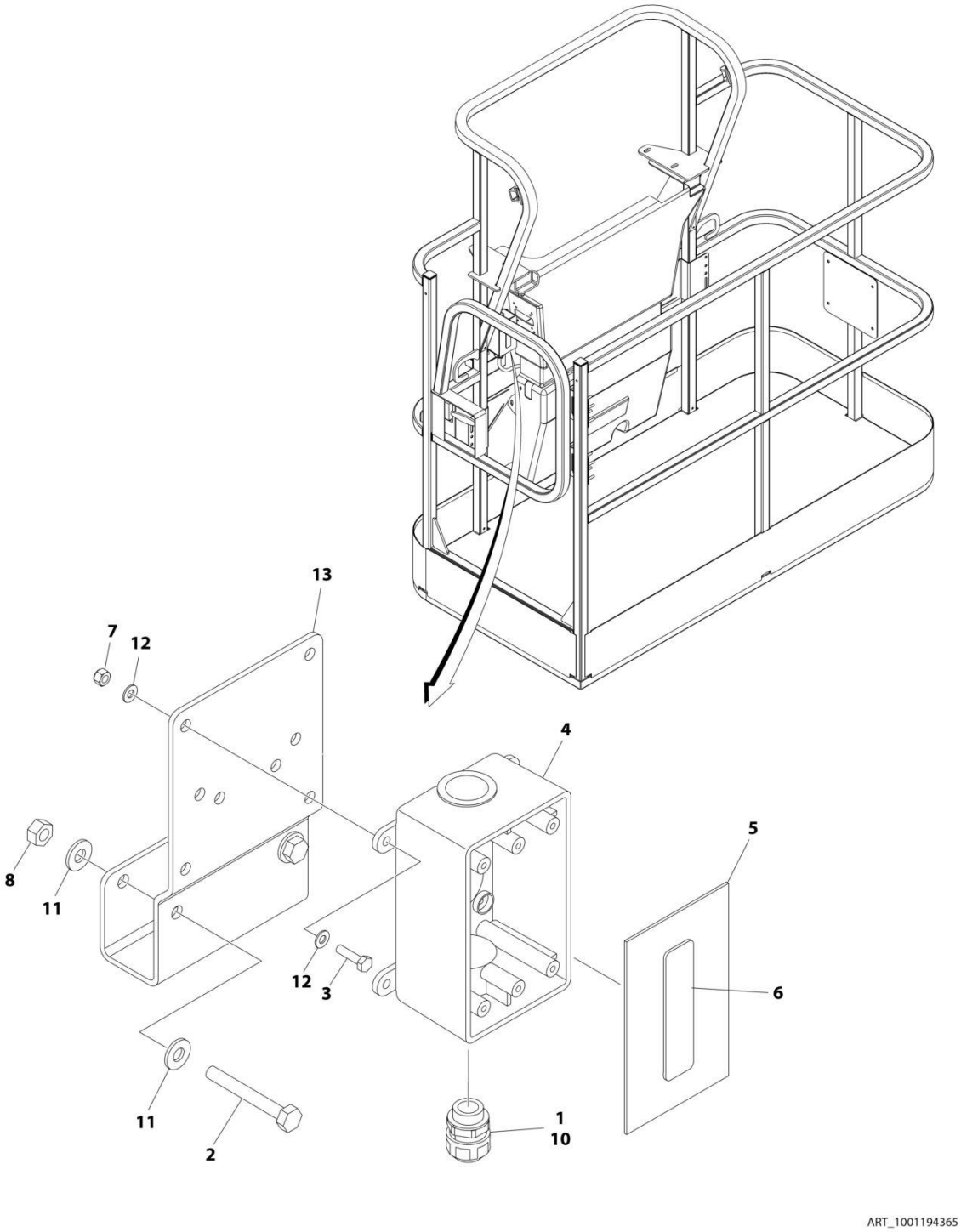


FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)

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

FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)

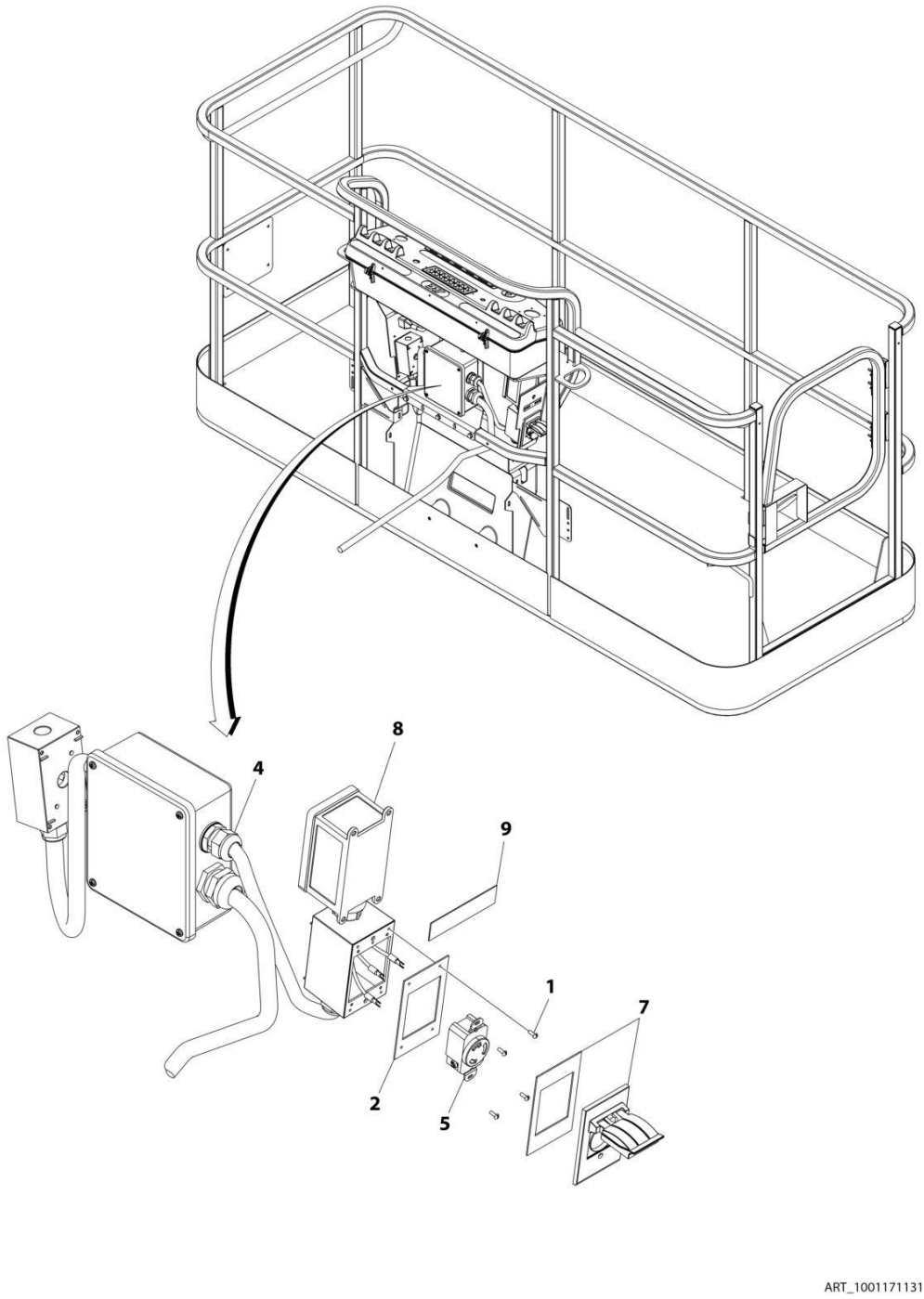


FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)

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

FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)

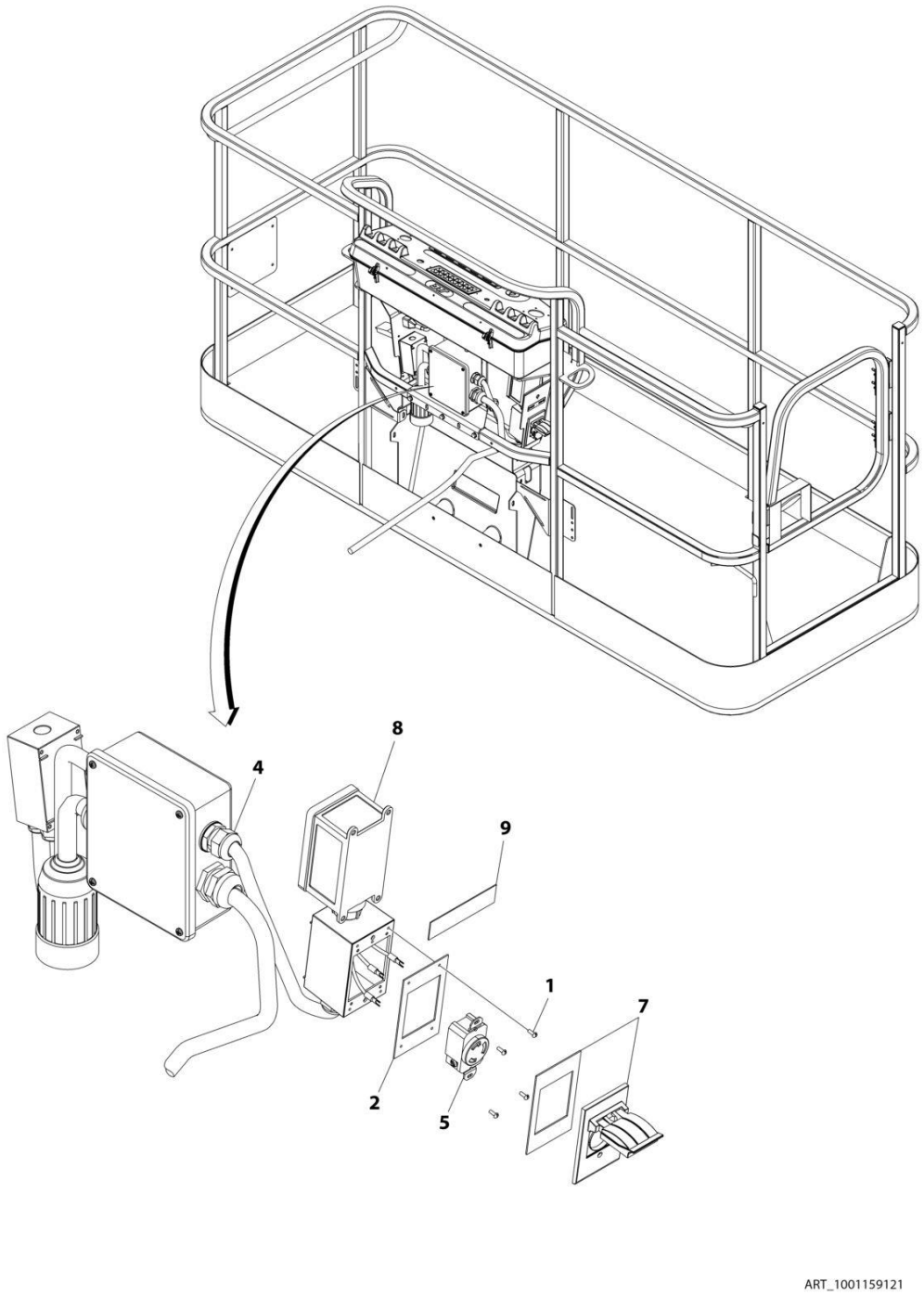


FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)

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

FIGURE 8-18. AC BREAKER BOX INSTALLATION - SINGLE DOUBLE POLE BREAKER

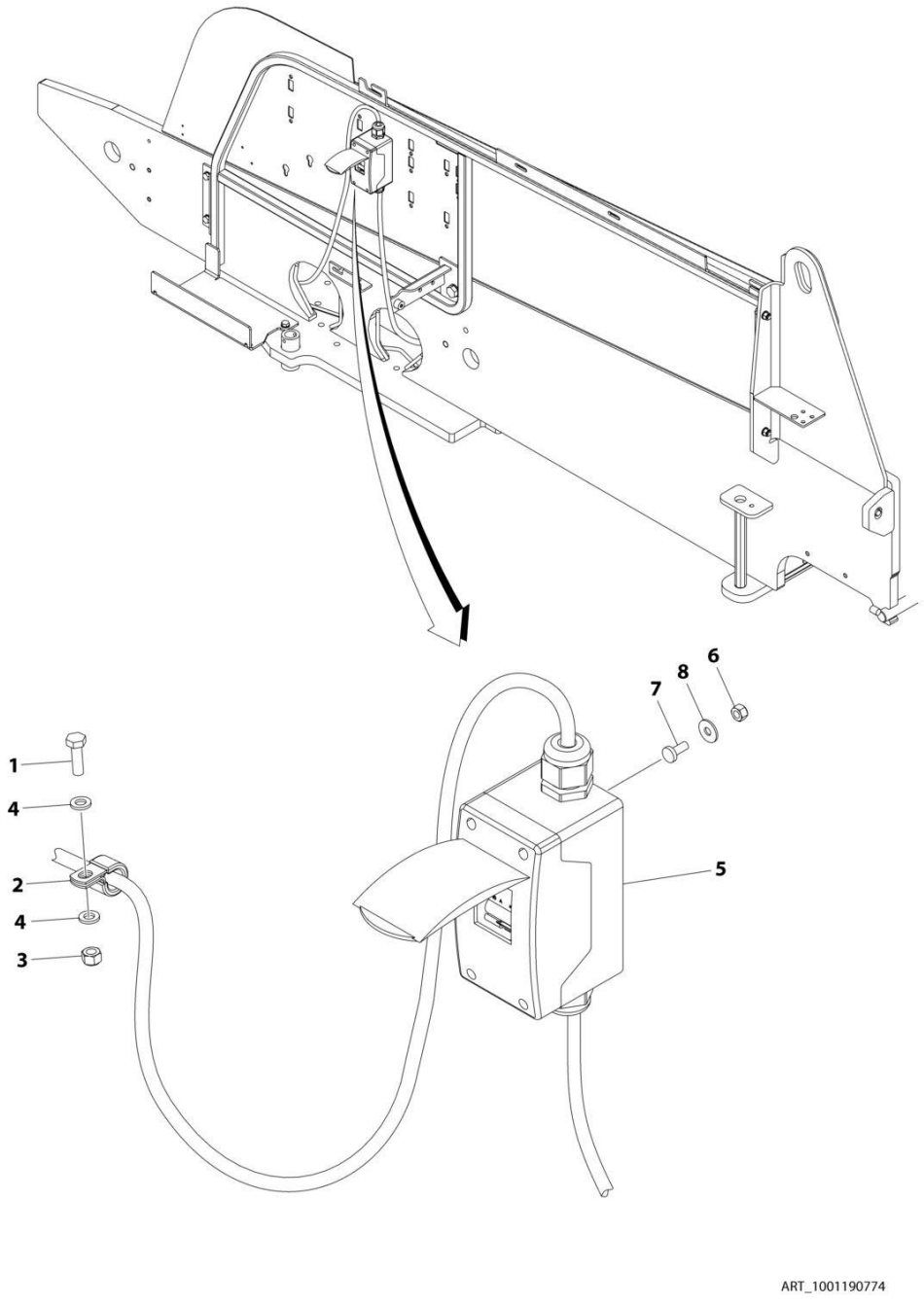


FIGURE 8-18. AC BREAKER BOX INSTALLATION - SINGLE DOUBLE POLE BREAKER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190774	Ref	AC BREAKER BOX INSTALLATION	C
1	0760610	1	Bolt M6 x 20	
2	1320041	1	Clamp	
3	3290605	1	Nut M6	
4	4811700	2	Washer M6	
5	2902549	1	Breaker Box Kit - Single Double Pole Breaker (See Separate Breakdown in this Section)	
6	3290405	2	Nut M4	
7	4010405	2	Screw M4 x 10	
8	1001091102	2	Washer M4	

FIGURE 8-19. AC BREAKER BOX INSTALLATION - 3 BREAKERS

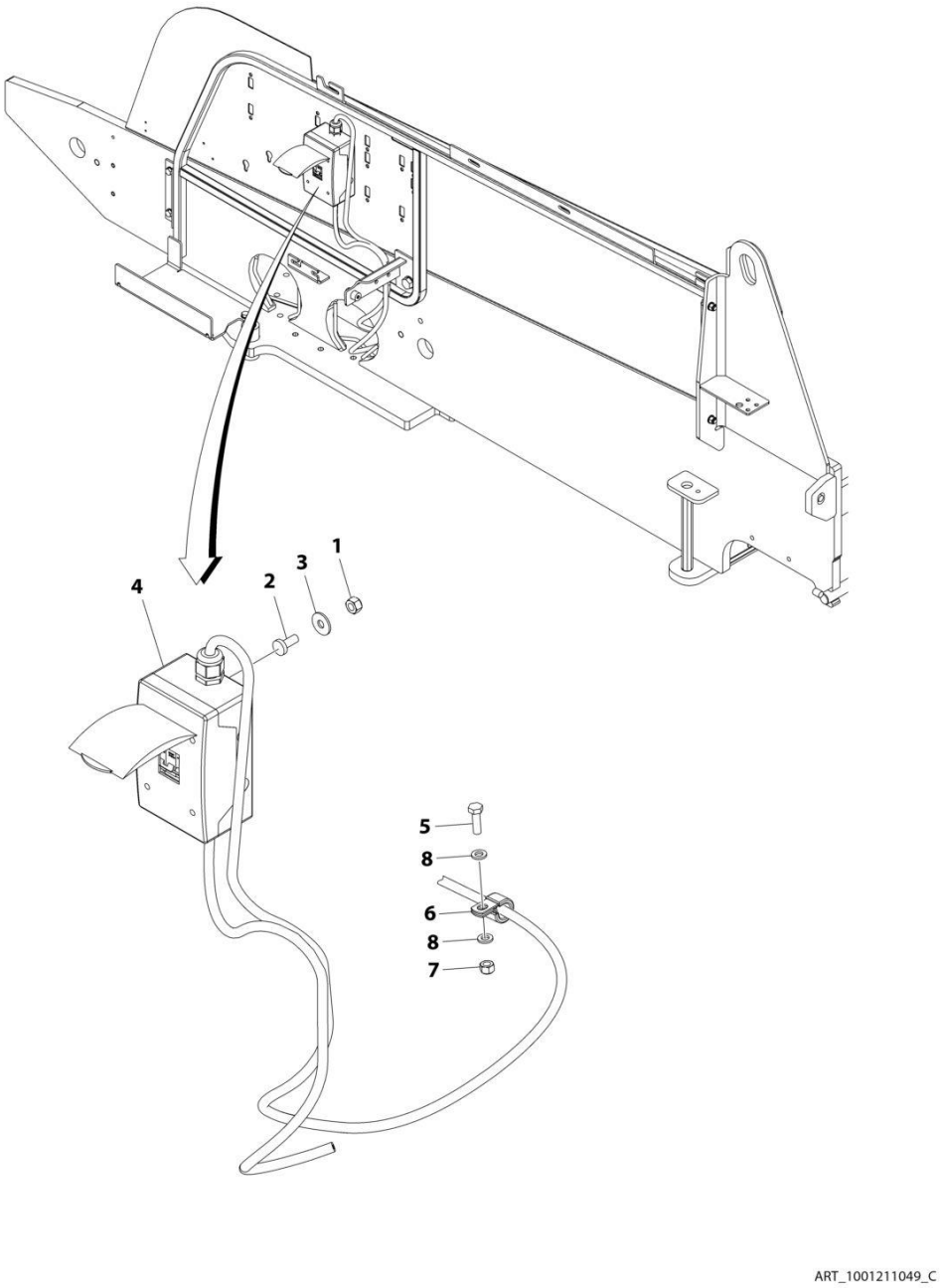


FIGURE 8-19. AC BREAKER BOX INSTALLATION - 3 BREAKERS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211049	Ref	AC BREAKER BOX INSTALLATION	C
1	3290405	2	Nut M4	
2	4010405	2	Screw M4 x 10	
3	1001091102	2	Washer M4	
4	1001152486	1	Breaker Box Kit - 3 Breakers (See Separate Breakdown in this Section)	
5	0760610	1	Bolt M6 x 20	
6	1320041	1	Clamp	
7	3290605	1	Nut M6	
8	4811700	2	Washer M6	

FIGURE 8-20. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS)

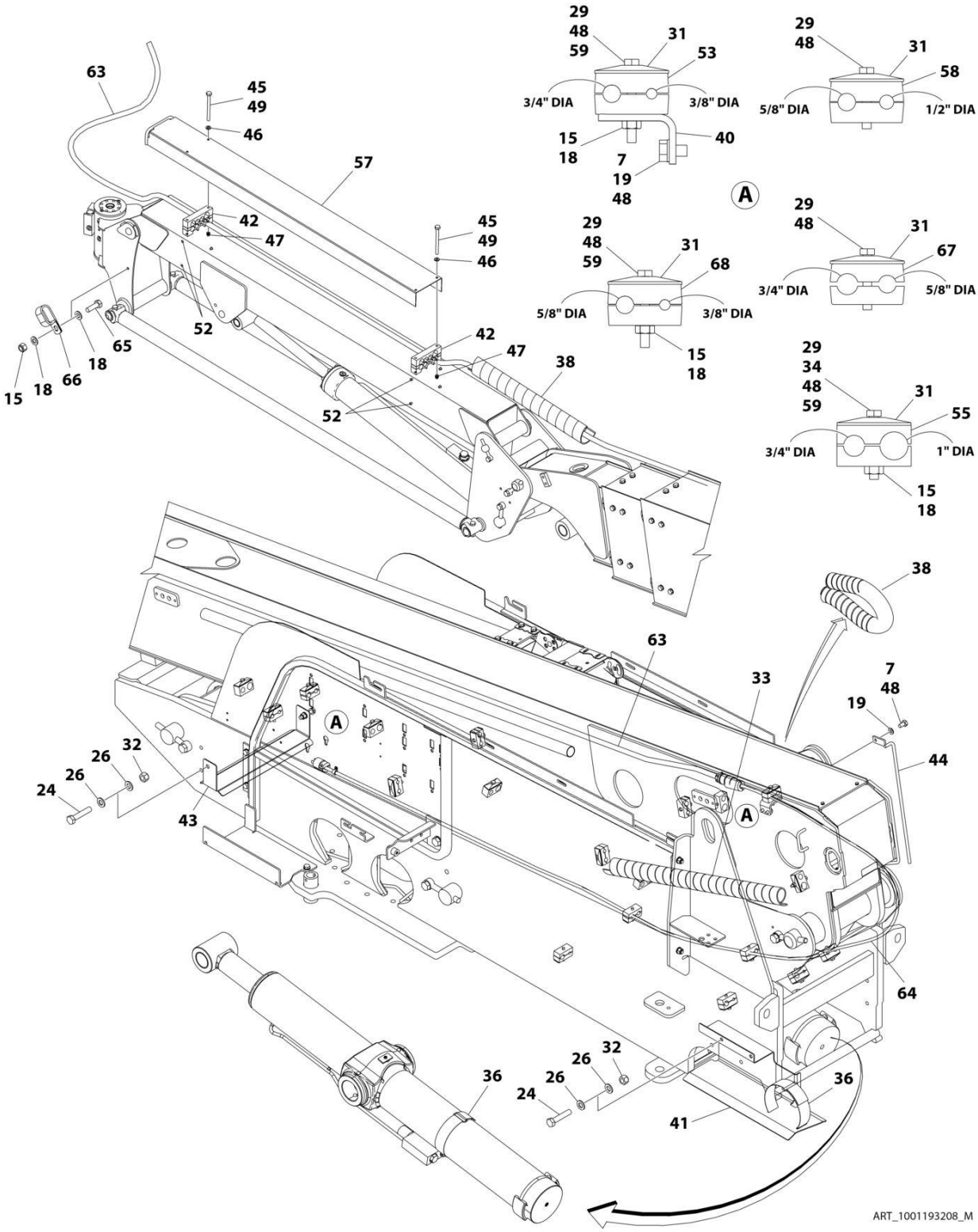


FIGURE 8-20. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193208	Ref	AC CABLES AND CLAMPS INSTALLATION	M
7	0761009	3	Bolt M10 x 18	
15	3290805	3	Nut M8	
18	4811900	3	Washer M8	
19	4812000	3	Washer M10	
20	1001146588	4	Tie-Strap (Not Shown)	
24	0701220	4	Bolt M12 x 60	
26	4812100	8	Washer M12	
29	0700818	16	Bolt M8 x 50	
31	77133137	19	Cover, Clamp	
32	3291205	4	Nut M12	
33	1001204690	1	Shield, Tube	
34	5281918	1	Capscrew M8 x 70	
36	1001143645	2	Strap, Cinch	
38	1001181923	AR	Shield, Tube	
40	1001229637	1	Bracket	
41	1001252945	1	Support	
42	1001201090	2	Block, Clamp	
43	1001201342	1	Support	
44	1001202936	1	Guide	
45	0641424	4	Bolt 1/4 x 3	
46	4811700	4	Washer M6	
47	2080044	4	Rivet - Nut 1/4	
48	0100011	AR	Compound, Locking	
49	0100035	AR	Compound, Locking	
51	4240018	4	Tie-Strap (Not Shown)	
52	3520034	8	Plug	
53	1001209948	3	Clamp	
55	1001209951	6	Clamp	
57	1001209957	1	Cover	
58	1001209953	3	Clamp	
59	0700822	2	Bolt M8 x 70	
63	1001195228	1	AC Ground to Platform Cable (Upper)	
63	1001120204	1	Plug, Male	
64	1001195525	1	AC Ground to Platform Cable (Lower)	
64	1001120205	1	Receptacle, Female	
65	0760812	1	Bolt M8 x 25	
66	1001116792	1	Clamp	
67	1001209949	3	Clamp	
68	1001228809	4	Clamp	

FIGURE 8-21. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI EXPORT, AUSTRALIAN & CE SPECS)

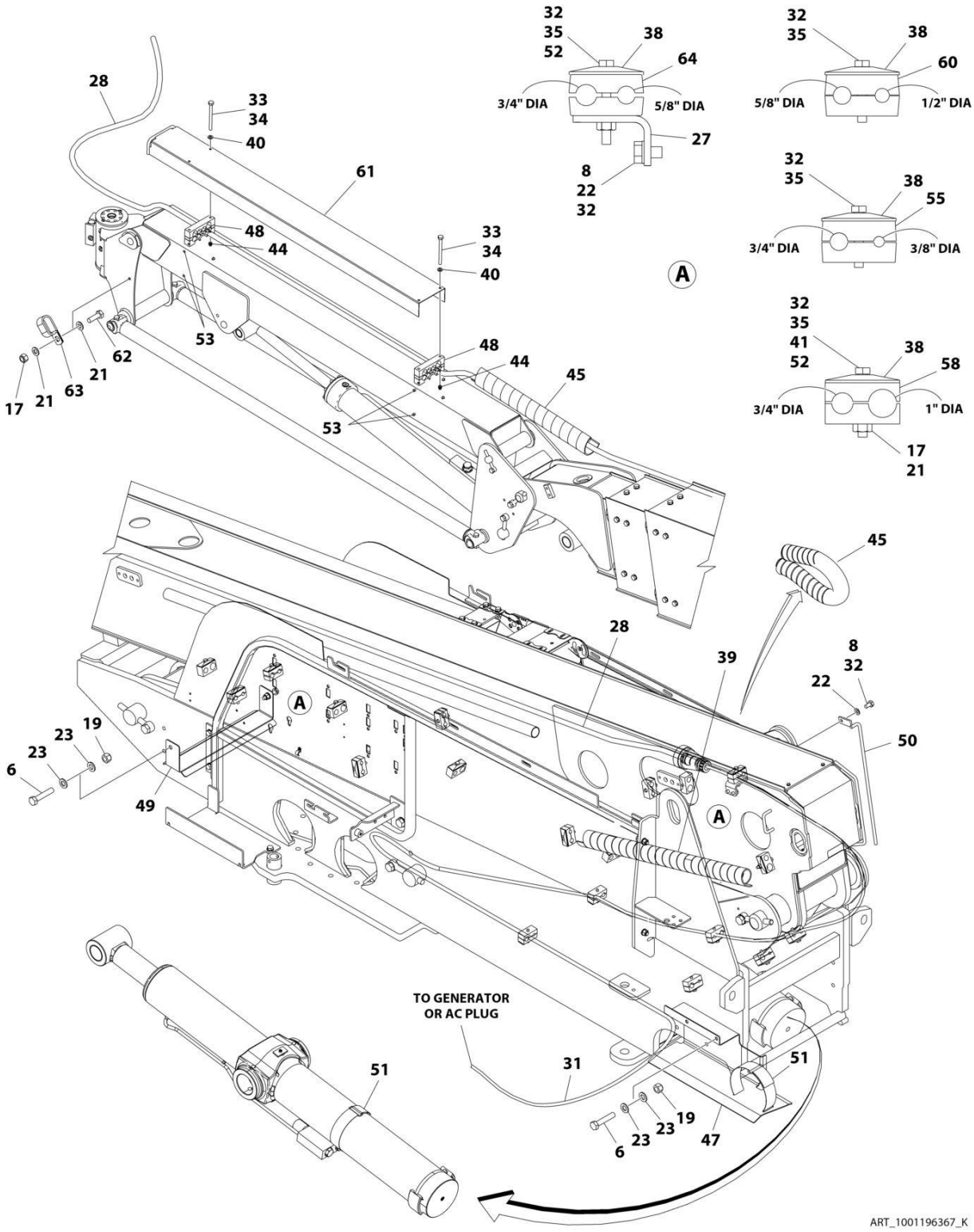


FIGURE 8-21. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI EXPORT, AUSTRALIAN & CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196367	Ref	AC CABLES AND CLAMPS INSTALLATION	K
6	0701220	4	Bolt M12 x 60	
8	0761009	3	Bolt M10 x 18	
17	3290805	4	Nut M8	
19	3291205	4	Nut M12	
21	4811900	5	Washer M8	
22	4812000	3	Washer M10	
23	4812100	8	Washer M12	
24	1001146588	4	Tie-Strap (Not Shown)	
27	1001229637	1	Bracket	
28	1001195226	1	AC Ground to Platform Cable (Upper)	
28	1001214095	1	Plug, Male	
31	1001196368	1	AC Ground to Platform Cable (Lower)	
31	1001214096	1	Receptacle, Female	
32	0100011	AR	Compound, Locking	
33	0100035	AR	Compound, Locking	
34	0700626	AR	Bolt M6 x 90	
34	0641424	AR	Bolt 1/4 x 3	
35	0700818	16	Bolt M8 x 50	
38	77133137	AR	Cover, Clamp	
39	1001204690	1	Shield, Tube	
40	4811700	4	Washer M6	
41	5281918	1	Capscrew M8 x 70	
44	1001176636	AR	Rivet - Nut M6	
44	2080044	AR	Rivet - Nut 1/4	
45	1001181923	AR	Shield, Tube	
47	1001252945	1	Support	
48	1001201090	2	Block, Clamp	
49	1001201342	1	Support	
50	1001202936	1	Guide	
51	1001143645	2	Strap, Cinch	
52	0700822	2	Bolt M8 x 70	
53	3520034	8	Plug	
54	4240018	4	Tie-Strap (Not Shown)	
55	1001209948	3	Clamp	
58	1001209951	6	Clamp	
60	1001209953	7	Clamp	
61	1001209957	1	Cover	
62	0760812	1	Bolt M8 x 25	
63	1001116792	1	Clamp	
64	1001209949	3	Clamp	

FIGURE 8-22. AC CABLES AND CLAMPS INSTALLATION - WITH 2500W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)

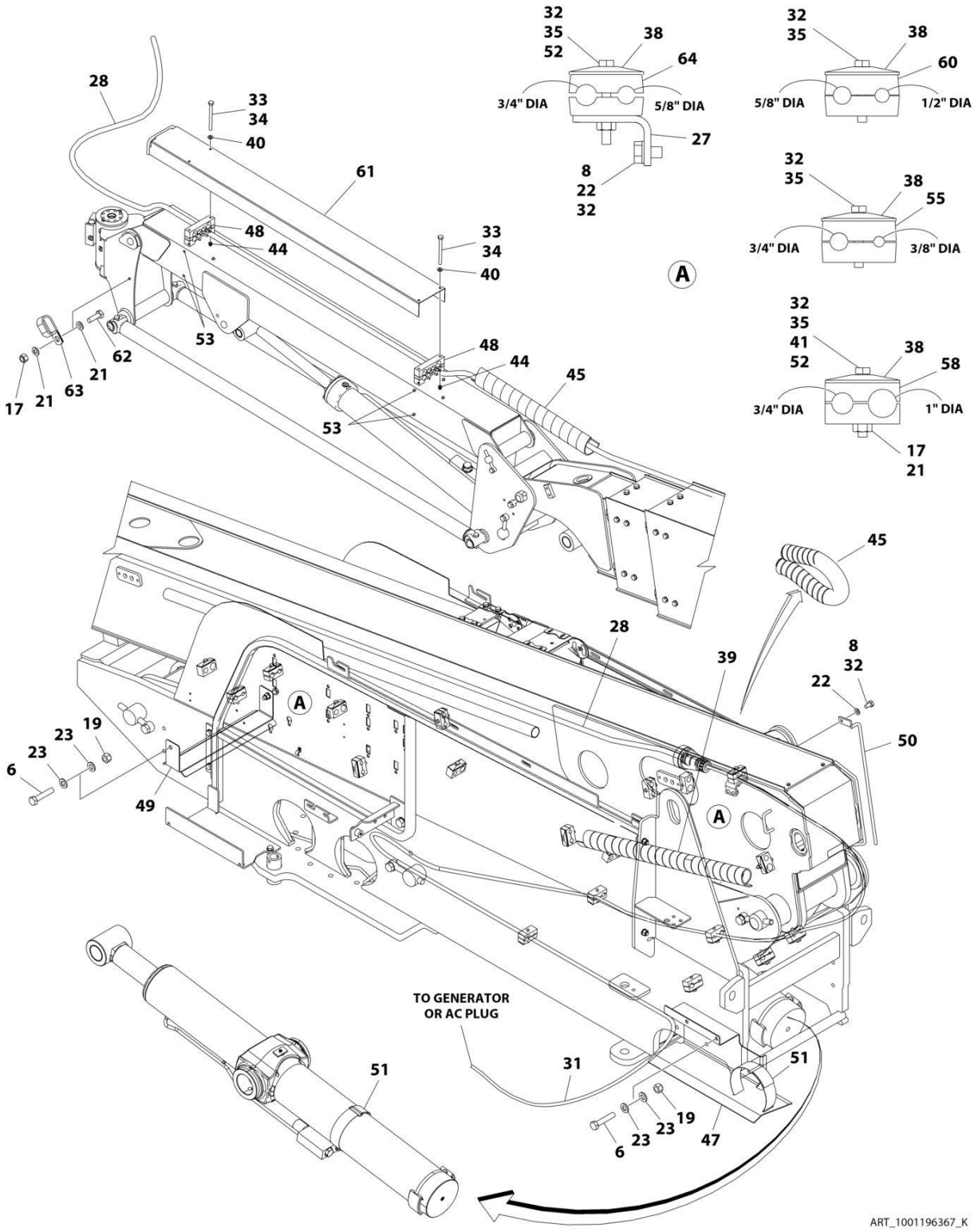


FIGURE 8-22. AC CABLES AND CLAMPS INSTALLATION - WITH 2500W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196367	Ref	AC CABLES AND CLAMPS INSTALLATION	K
6	0701220	4	Bolt M12 x 60	
8	0761009	3	Bolt M10 x 18	
17	3290805	4	Nut M8	
19	3291205	4	Nut M12	
21	4811900	5	Washer M8	
22	4812000	3	Washer M10	
23	4812100	8	Washer M12	
24	1001146588	4	Tie-Strap (Not Shown)	
27	1001229637	1	Bracket	
28	1001195226	1	AC Ground to Platform Cable (Upper)	
28	1001214095	1	Plug, Male	
31	1001196368	1	AC Ground to Platform Cable (Lower)	
31	1001214096	1	Receptacle, Female	
32	0100011	AR	Compound, Locking	
33	0100035	AR	Compound, Locking	
34	0700626	AR	Bolt M6 x 90	
34	0641424	AR	Bolt 1/4 x 3	
35	0700818	16	Bolt M8 x 50	
38	77133137	AR	Cover, Clamp	
39	1001204690	1	Shield, Tube	
40	4811700	4	Washer M6	
41	5281918	1	Capscrew M8 x 70	
44	1001176636	AR	Rivet - Nut M6	
44	2080044	AR	Rivet - Nut 1/4	
45	1001181923	AR	Shield, Tube	
47	1001252945	1	Support	
48	1001201090	2	Block, Clamp	
49	1001201342	1	Support	
50	1001202936	1	Guide	
51	1001143645	2	Strap, Cinch	
52	0700822	2	Bolt M8 x 70	
53	3520034	8	Plug	
54	4240018	4	Tie-Strap (Not Shown)	
55	1001209948	3	Clamp	
58	1001209951	6	Clamp	
60	1001209953	7	Clamp	
61	1001209957	1	Cover	
62	0760812	1	Bolt M8 x 25	
63	1001116792	1	Clamp	
64	1001209949	3	Clamp	

FIGURE 8-23. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN AND CE SPECS)

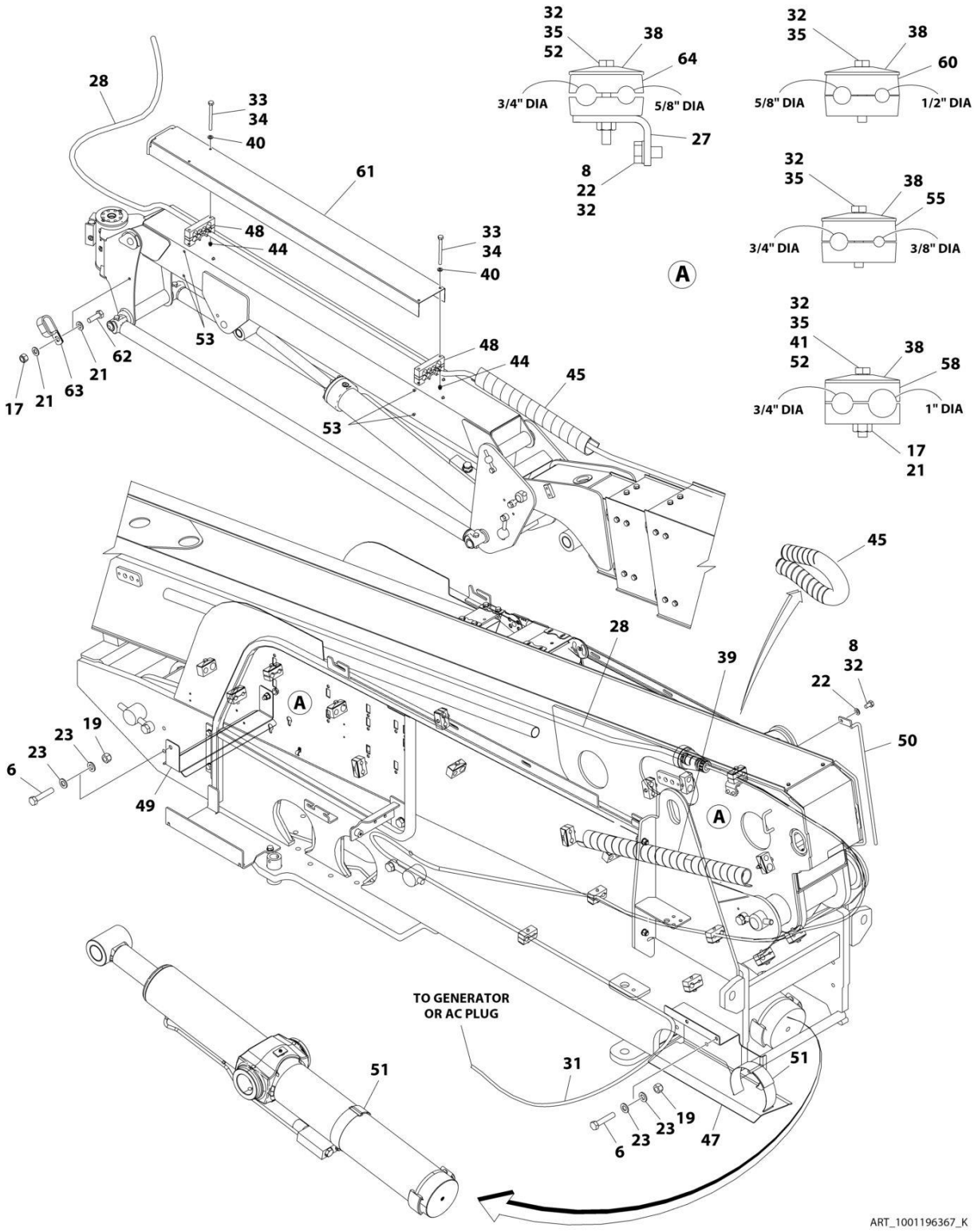


FIGURE 8-23. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN AND CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196367	Ref	AC CABLES AND CLAMPS INSTALLATION	K
6	0701220	4	Bolt M12 x 60	
8	0761009	3	Bolt M10 x 18	
17	3290805	4	Nut M8	
19	3291205	4	Nut M12	
21	4811900	5	Washer M8	
22	4812000	3	Washer M10	
23	4812100	8	Washer M12	
24	1001146588	4	Tie-Strap (Not Shown)	
27	1001229637	1	Bracket	
28	1001195226	1	AC Ground to Platform Cable (Upper)	
28	1001214095	1	Plug, Male	
31	1001196368	1	AC Ground to Platform Cable (Lower)	
31	1001214096	1	Receptacle, Female	
32	0100011	AR	Compound, Locking	
33	0100035	AR	Compound, Locking	
34	0700626	AR	Bolt M6 x 90	
34	0641424	AR	Bolt 1/4 x 3	
35	0700818	16	Bolt M8 x 50	
38	77133137	AR	Cover, Clamp	
39	1001204690	1	Shield, Tube	
40	4811700	4	Washer M6	
41	5281918	1	Capscrew M8 x 70	
44	1001176636	AR	Rivet - Nut M6	
44	2080044	AR	Rivet - Nut 1/4	
45	1001181923	AR	Shield, Tube	
47	1001252945	1	Support	
48	1001201090	2	Block, Clamp	
49	1001201342	1	Support	
50	1001202936	1	Guide	
51	1001143645	2	Strap, Cinch	
52	0700822	2	Bolt M8 x 70	
53	3520034	8	Plug	
54	4240018	4	Tie-Strap (Not Shown)	
55	1001209948	3	Clamp	
58	1001209951	6	Clamp	
60	1001209953	7	Clamp	
61	1001209957	1	Cover	
62	0760812	1	Bolt M8 x 25	
63	1001116792	1	Clamp	
64	1001209949	3	Clamp	

FIGURE 8-24. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)

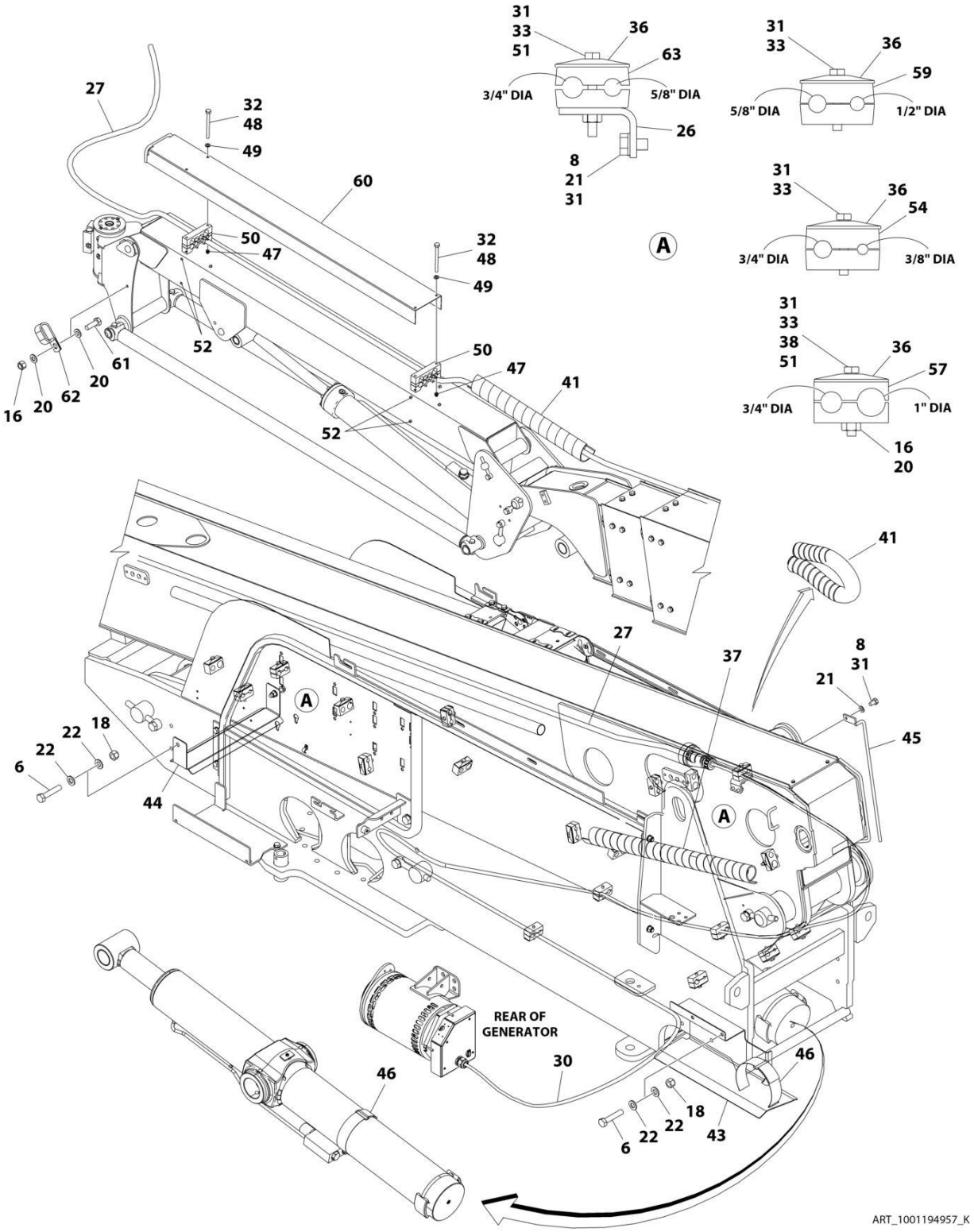


FIGURE 8-24. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194957	Ref	AC CABLES AND CLAMPS INSTALLATION	K
6	0701220	4	Bolt M12 x 60	
8	0761009	3	Bolt M10 x 18	
16	3290805	4	Nut M8	
18	3291205	4	Nut M12	
20	4811900	5	Washer M8	
21	4812000	3	Washer M10	
22	4812100	8	Washer M12	
23	1001146588	4	Tie-Strap (Not Shown)	
26	1001229637	1	Bracket	
27	1001228187	1	AC Ground to Platform Cable (Upper)	
27	4460959	1	Plug, Male	
27	1671093	1	Cover, Plug	
30	1001228188	1	AC Ground to Platform Cable (Lower)	
30	4460960	1	Receptacle, Female	
30	1671092	1	Cover, Receptacle	
31	0100011	AR	Compound, Locking	
32	0100035	AR	Compound, Locking	
33	0700818	16	Bolt M8 x 50	
36	77133137	19	Cover, Clamp	
37	1001204690	1	Shield, Tube	
38	5281918	1	Capscrew M8 x 70	
41	1001181923	AR	Shield, Tube	
43	1001252945	1	Support	
44	1001201342	1	Support	
45	1001202936	1	Guide	
46	1001143645	2	Strap, Cinch	
47	2080044	4	Rivet - Nut 1/4	
48	0641424	4	Bolt 1/4 x 3	
49	4811700	4	Washer M6	
50	1001201090	2	Block, Clamp	
51	0700822	2	Bolt M8 x 70	
52	3520034	8	Plug	
53	4240018	4	Tie-Strap (Not Shown)	
54	1001209948	3	Clamp	
57	1001209951	6	Clamp	
59	1001209953	7	Clamp	
60	1001209957	1	Cover	
61	0760812	1	Bolt M8 x 25	
62	1001116792	1	Clamp	
63	1001209949	3	Clamp	

FIGURE 8-25. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR

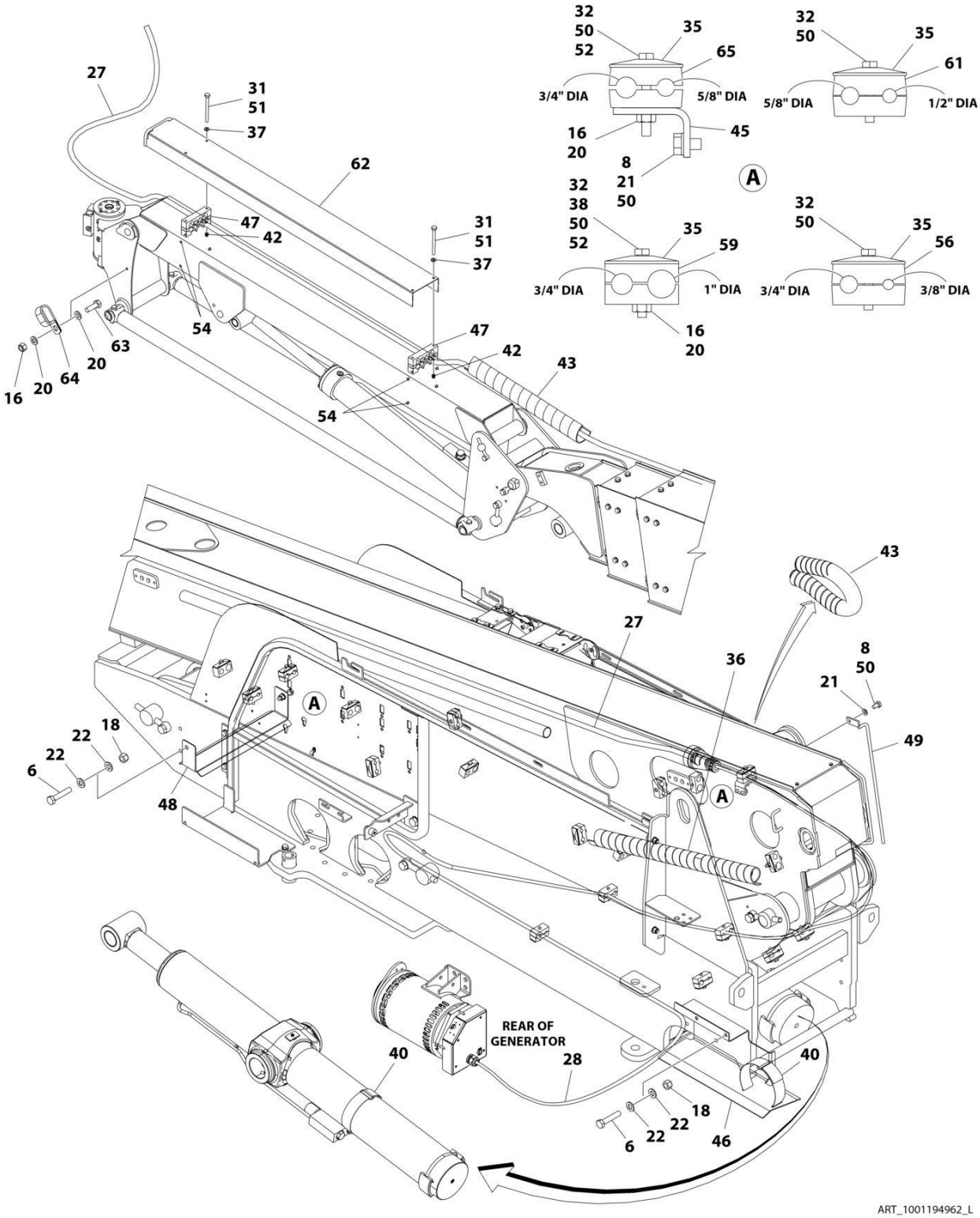


FIGURE 8-25. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194962	Ref	AC CABLES AND CLAMPS INSTALLATION	L
6	0701220	4	Bolt M12 x 60	
8	0761009	3	Bolt M10 x 18	
16	3290805	4	Nut M8	
18	3291205	4	Nut M12	
20	4811900	5	Washer M8	
21	4812000	3	Washer M10	
22	4812100	8	Washer M12	
23	1001146588	4	Tie-Strap (Not Shown)	
27	1001227075	1	AC Ground to Platform Cable (Upper)	
27	4460959	1	Plug, Male	
27	1671093	1	Cover, Plug	
28	1001226304	1	AC Ground to Platform Cable (Lower)	
28	4460960	1	Receptacle, Female	
28	1671092	1	Cover, Receptacle	
31	0700626	AR	Bolt M6 x 90	
31	0641424	AR	Bolt 1/4 x 3	
32	0700818	16	Bolt M8 x 50	
35	77133137	AR	Cover, Clamp	
36	1001204690	1	Shield, Tube	
37	4811700	4	Washer M6	
38	5281918	1	Capscrew M8 x 70	
40	1001143645	2	Strap, Cinch	
42	1001176636	AR	Rivet - Nut M6	
42	2080044	AR	Rivet - Nut 1/4	
43	1001181923	AR	Shield, Tube	
45	1001229637	1	Bracket	
46	1001252945	1	Support	
47	1001201090	2	Block, Clamp	
48	1001201342	1	Support	
49	1001202936	1	Guide	
50	0100011	AR	Compound, Locking	
51	0100035	AR	Compound, Locking	
52	0700822	2	Bolt M8 x 70	
54	3520034	8	Plug	
55	4240018	4	Tie-Strap (Not Shown)	
56	1001209948	3	Clamp	
59	1001209951	6	Clamp	
61	1001209953	3	Clamp	
62	1001209957	1	Cover	
63	0760812	1	Bolt M8 x 25	
64	1001116792	1	Clamp	
65	1001209949	7	Clamp	
66	0700819	1	Bolt M8 x 55 (Not Shown)	

FIGURE 8-26. AXLE HARNESS

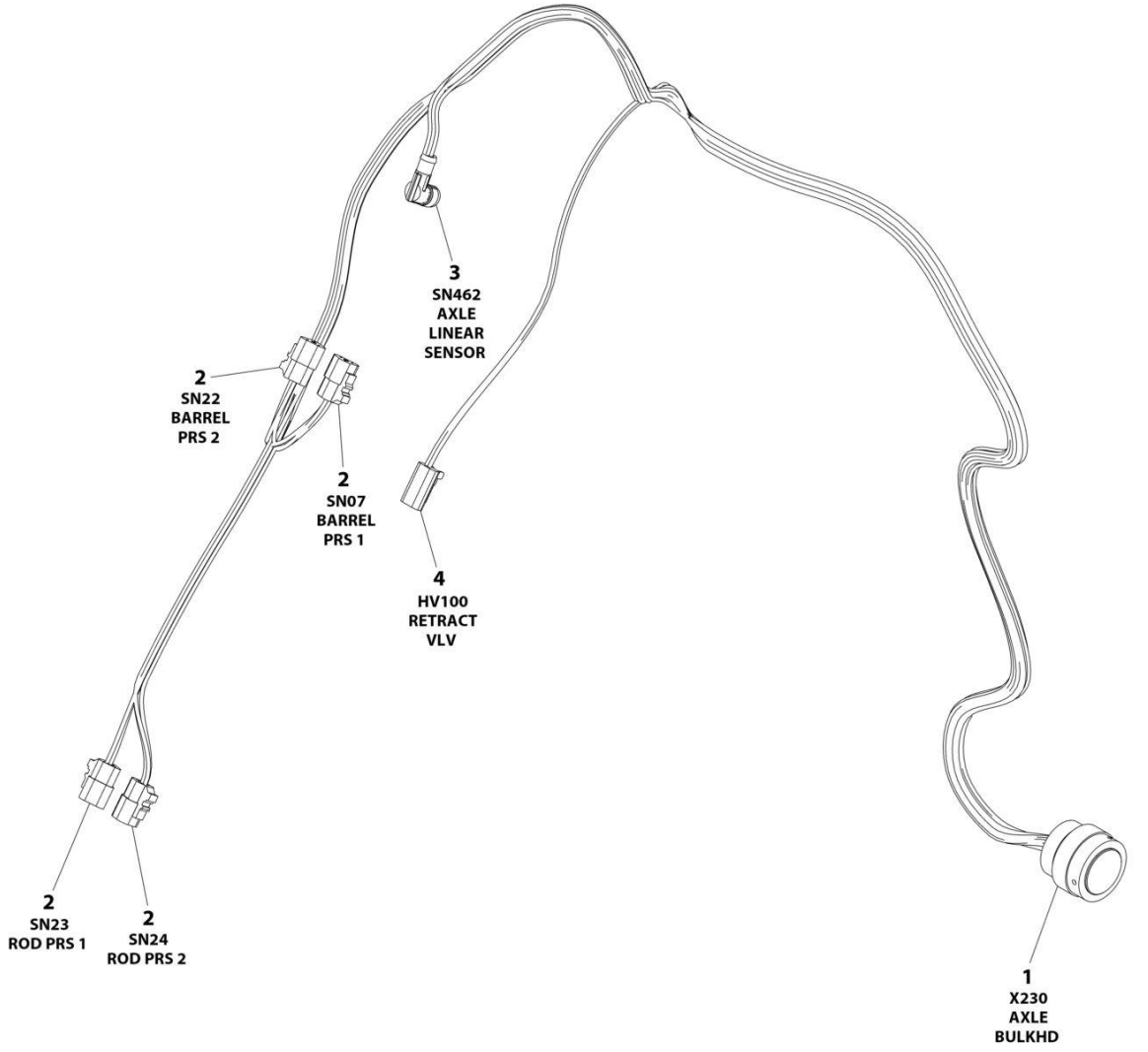


FIGURE 8-26. AXLE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236349	Ref	AXLE HARNESS	E
1	1001147923	1	Connector - 23 Position	
1	4460465	19	Socket, Female	
1	4460466	4	Plug, Terminal	
2	4460539	4	Plug, Male - 3 Position	
2	4460465	12	Socket, Female	
3	1001242578	1	Plug - 5 Position with Cable	
4	4460891	1	Plug, Male - 2 Position	
4	4460465	2	Socket, Female	

FIGURE 8-27. BATTERY DISCONNECT SWITCH INSTALLATION

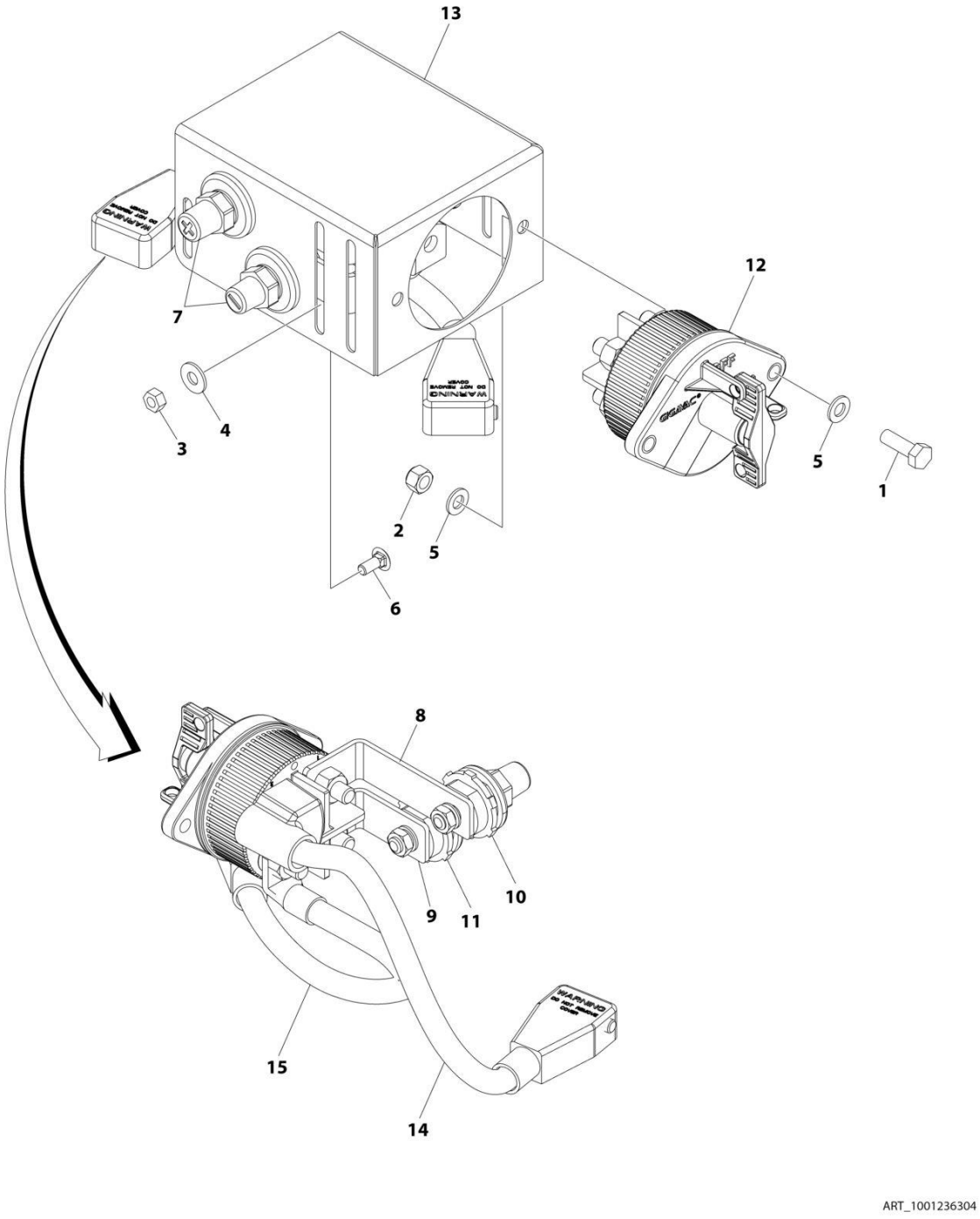


FIGURE 8-27. BATTERY DISCONNECT SWITCH INSTALLATION

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 8-28. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITHOUT 4000W/50HZ GENERATOR)

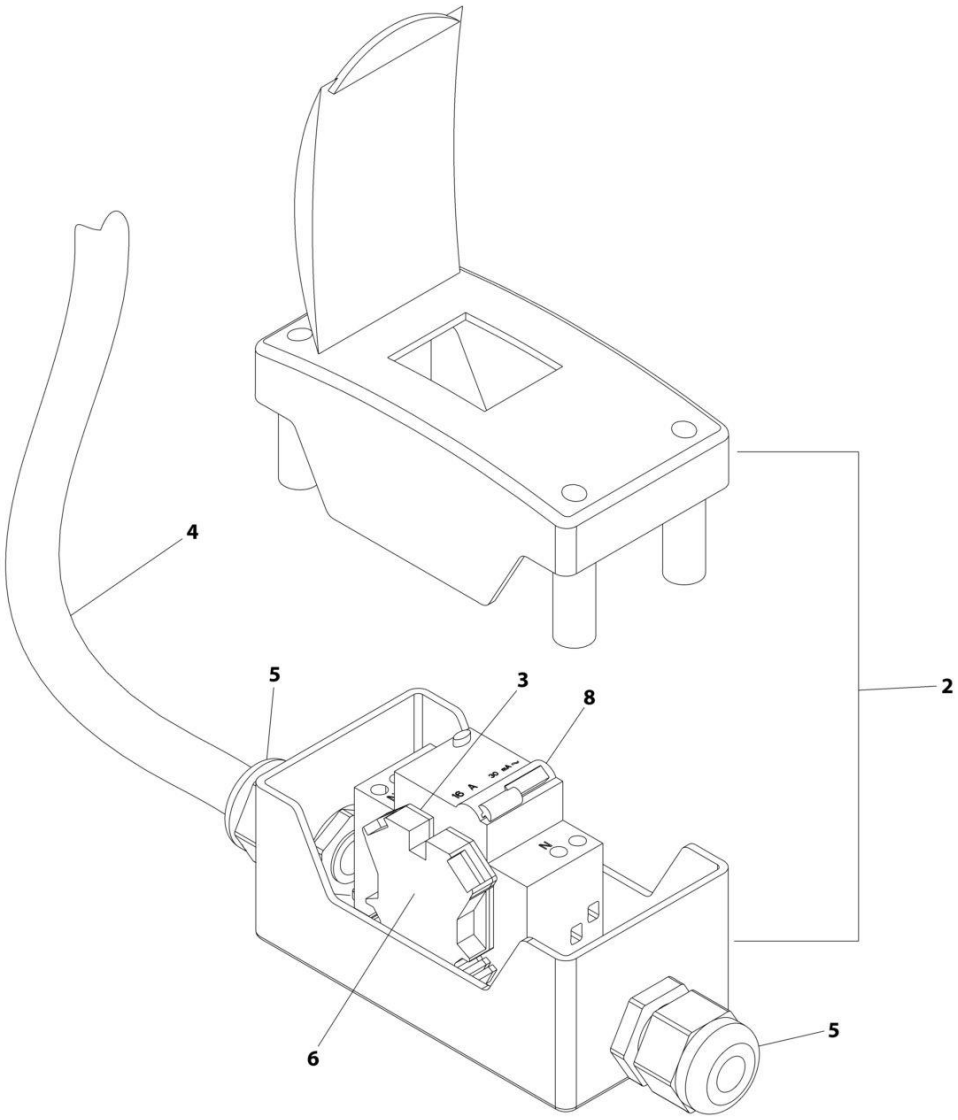


FIGURE 8-28. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITHOUT 4000W/50HZ GENERATOR)

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

FIGURE 8-29. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITH 4000W/50HZ GENERATOR)

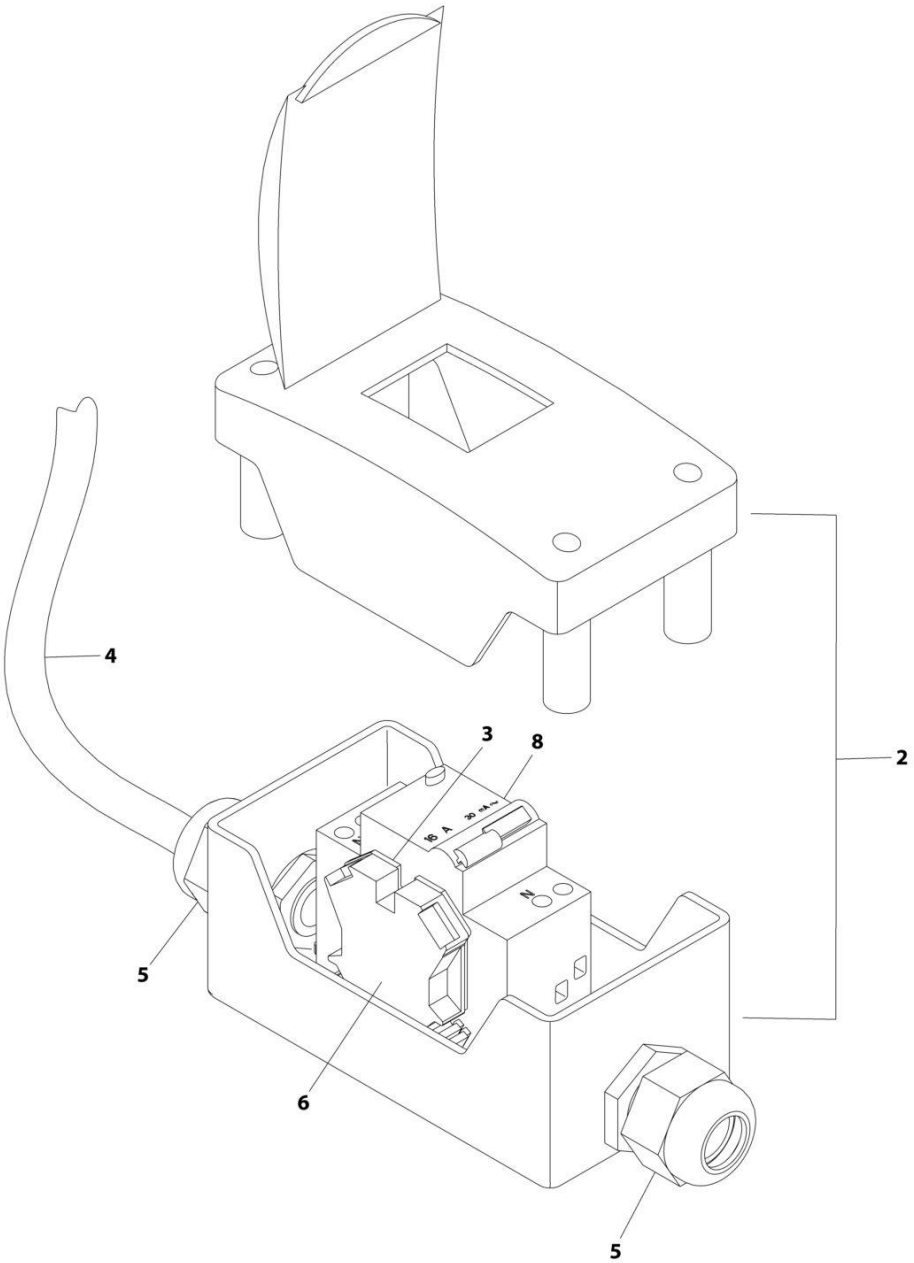


FIGURE 8-29. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITH 4000W/50HZ GENERATOR)

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

FIGURE 8-30. BREAKER BOX KIT - 3 BREAKERS

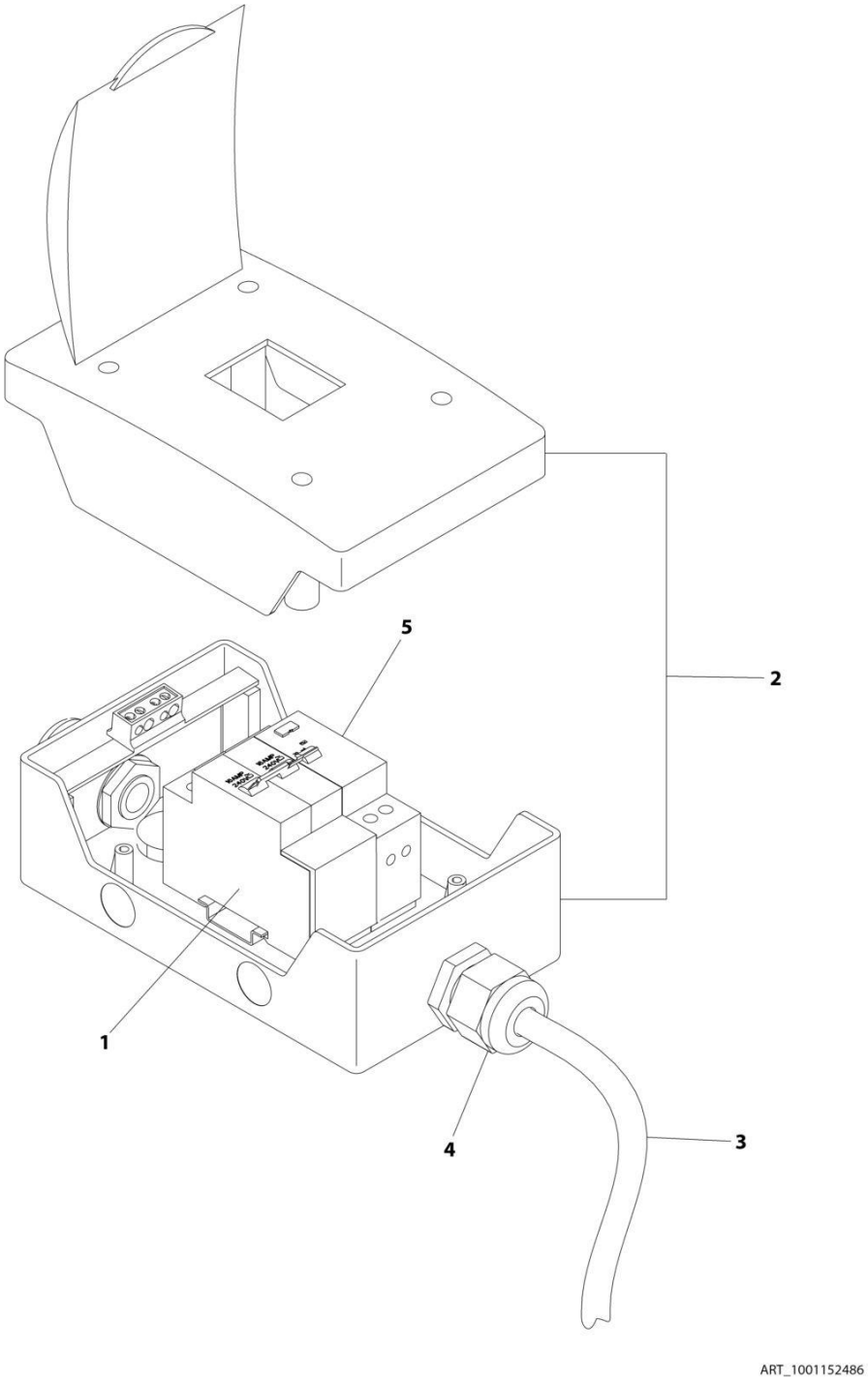


FIGURE 8-30. BREAKER BOX KIT - 3 BREAKERS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152486	Ref	BREAKER BOX KIT	A
1	1001152479	1	Breaker, 16 Amp (Double)	
2	1001152483	1	Box	
3	1060908	12 ft/ 3.66m	Cable, 12/3	
4	1001097150	1	Connector, Strain Relief	
5	1001152482	1	Breaker, 30mA	

FIGURE 8-31. BOOM ANGLE SENSOR HARNESS



ART_1001189005

FIGURE 8-31. BOOM ANGLE SENSOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189005	Ref	BOOM ANGLE SENSOR HARNESS	D
1	1001230931	1	Plug, Male - 6 Position	
1	1001116748	6	Terminal	
2	4460932	1	Receptacle, Female - 4 Position	
2	4460464	4	Pin, Male	

FIGURE 8-32. BOOM CABLE - LOWER

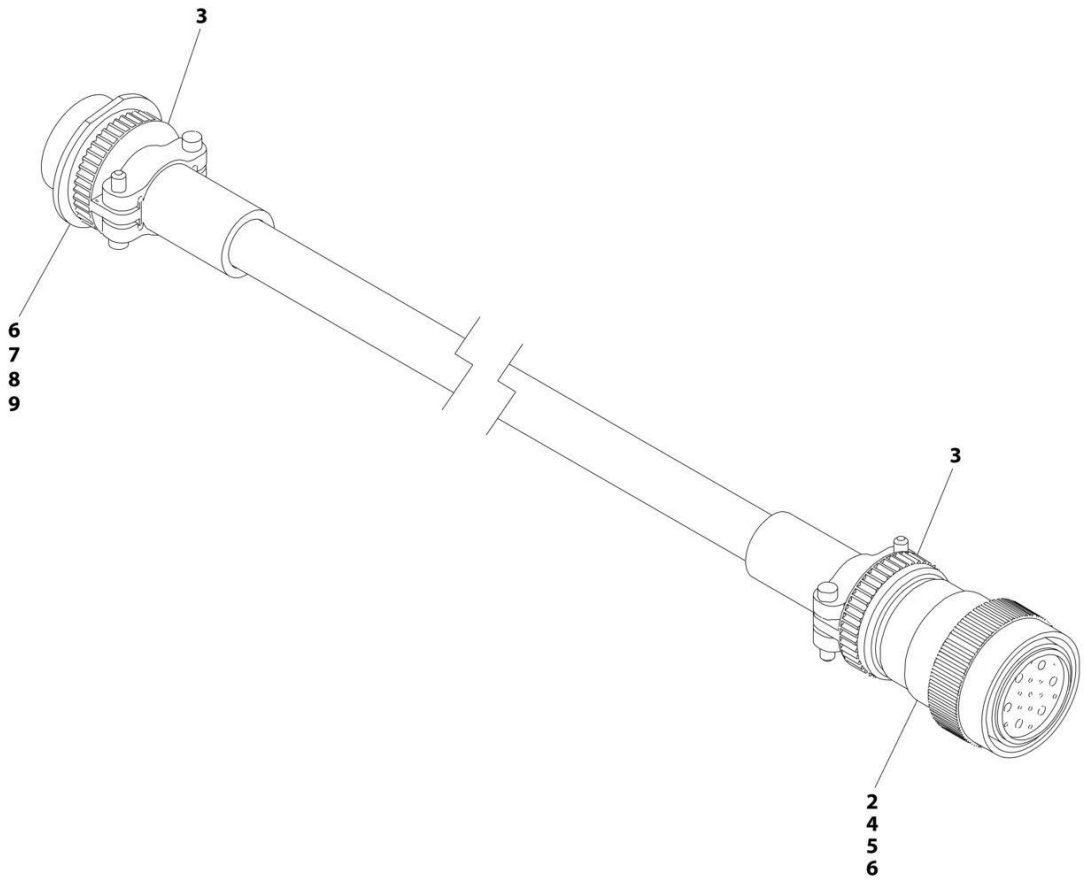


FIGURE 8-32. BOOM CABLE - LOWER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206082	Ref	BOOM CABLE	C
2	4460865	1	Connector - 19 Position	
3	4460473	2	Clamp	
4	4460465	10	Socket, Female	
5	4460509	4	Socket, Female	
6	4460466	10	Plug, Socket	
7	4460866	1	Connector - 19 Position	
8	4460508	4	Pin, Male	
9	4460464	10	Pin, Male	

FIGURE 8-33. BOOM CABLE - UPPER

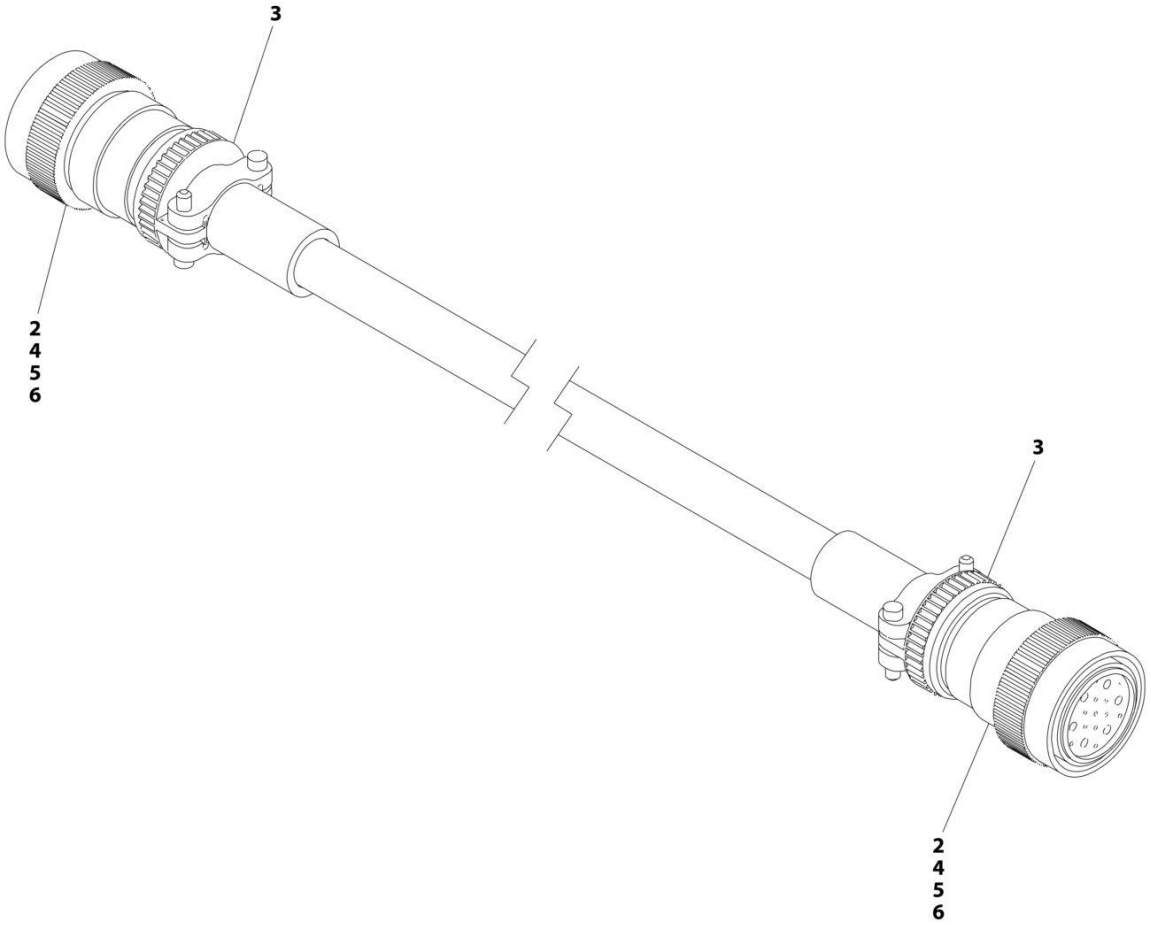


FIGURE 8-33. BOOM CABLE - UPPER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188534	Ref	BOOM CABLE	C
2	4460865	2	Connector - 19 Position	
3	4460473	2	Clamp	
4	4460465	20	Socket, Female	
5	4460509	8	Socket, Female	
6	4460466	10	Plug, Socket	
7	1001226400	2	Heat Shirnk (Not Shown)	

FIGURE 8-34. CAPACITY PROXIMITY HARNESS

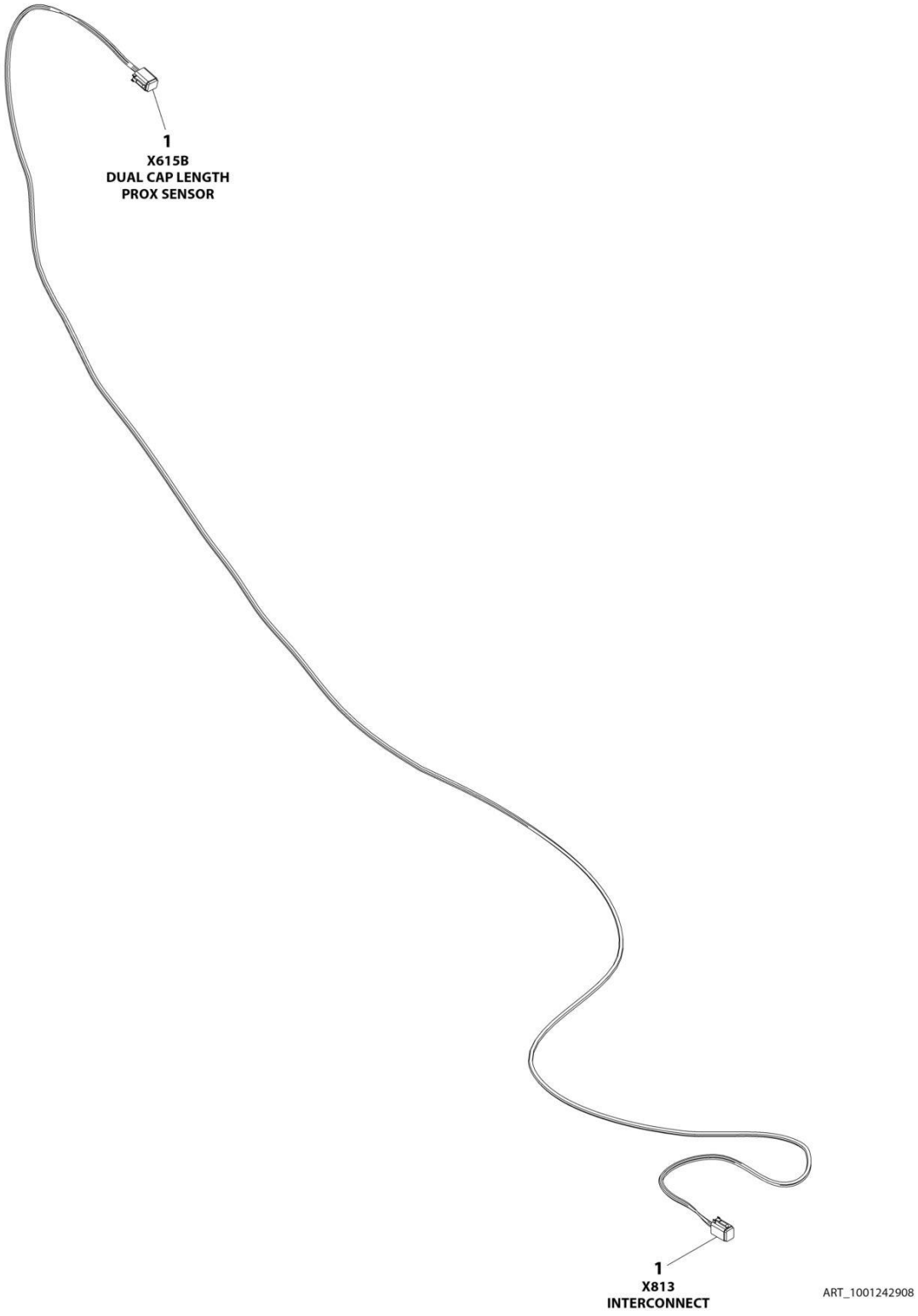


FIGURE 8-34. CAPACITY PROXIMITY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242908	Ref	CAPACITY PROXIMITY HARNESS	B
1	4460894	2	Plug, Male - 6 Position	
1	4460465	12	Socket, Female	

FIGURE 8-35. CAPACITY PROXIMITY HARNESS

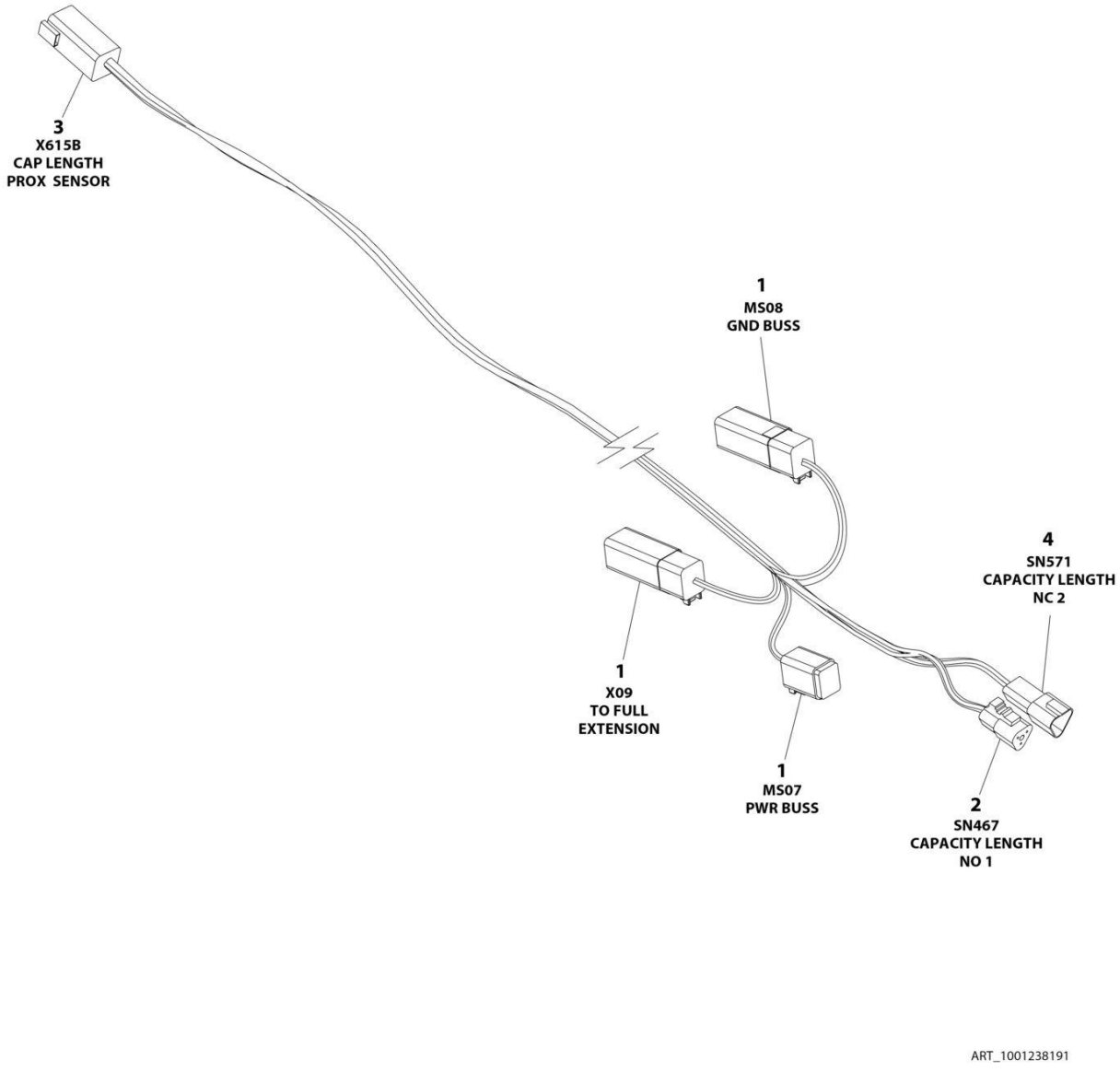


FIGURE 8-35. CAPACITY PROXIMITY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238191	Ref	CAPACITY PROXIMITY HARNESS	D
1	4460894	3	Plug, Male - 6 Position	
1	4460465	16	Socket, Female	
1	4460466	2	Plug, Terminal	
1	4460892	2	Bussbar - 6 Position	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	
3	4460899	1	Receptacle, Female - 6 Position	
3	4460464	6	Pin, Male	
4	4460536	1	Receptacle, Female - 3 Position	
4	4640464	3	Pin, Male	

FIGURE 8-36. CHASSIS HARNESS

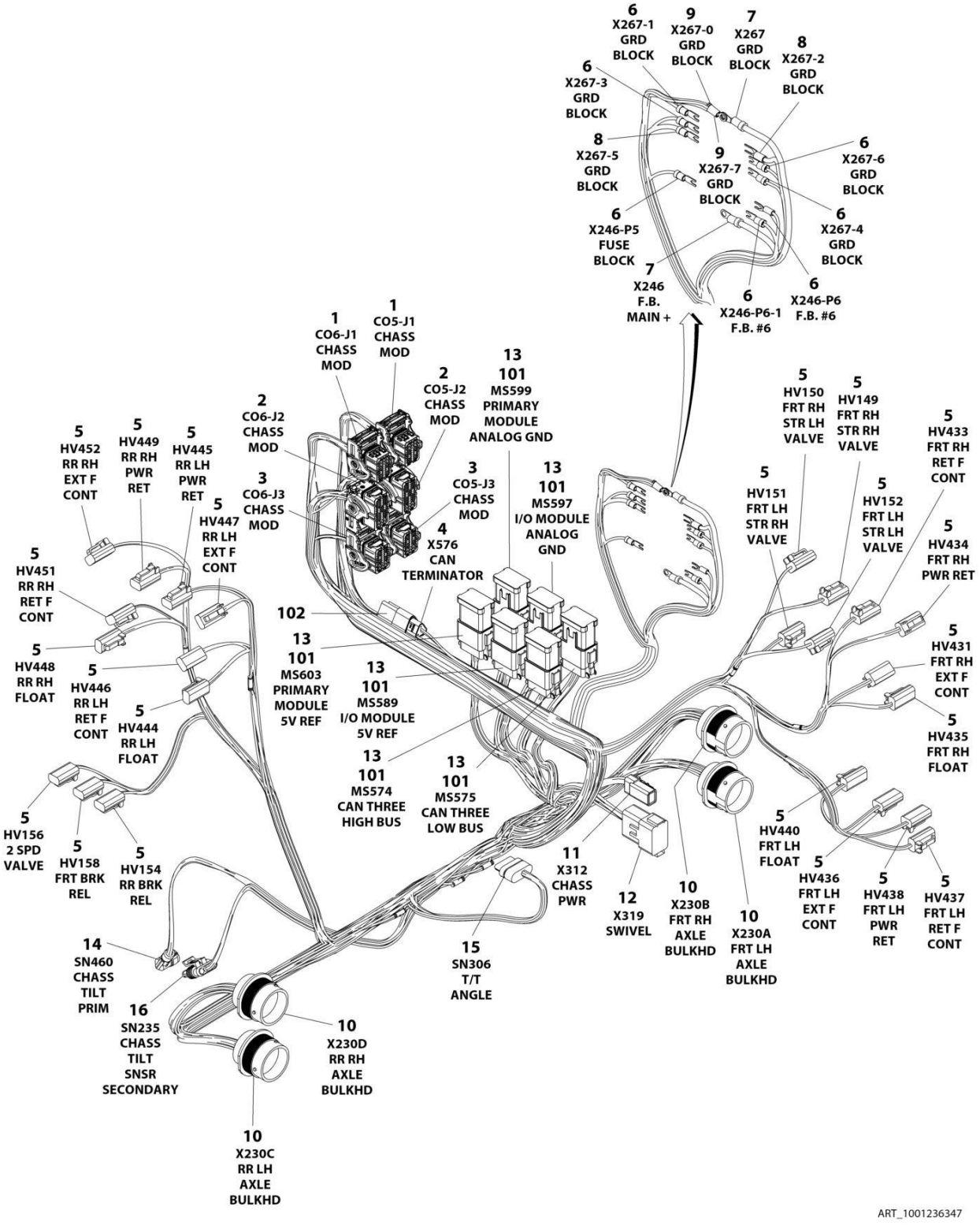


FIGURE 8-36. CHASSIS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236347	Ref	CHASSIS HARNESS	G
1	1001161957	2	Connector - 32 Position	
1	1001161097	26	Terminal	
1	1001161098	2	Terminal	
1	1001161101	36	Plug, Terminal	
2	1001161963	2	Connector - 48 Position	
2	1001161097	34	Terminal	
2	1001161098	8	Terminal	
2	1001161101	54	Plug, Terminal	
3	1001160500	2	Connector - 32 Position	
3	1001161097	12	Terminal	
3	1001161098	1	Terminal	
3	1001161101	51	Plug, Terminal	
4	1001116812	1	Plug, Male - 3 Position	
4	4460465	2	Socket, Female	
4	4460466	1	Plug, Terminal	
5	4460891	23	Plug, Male - 2 Position	
5	4460465	46	Socket, Female	
6	1001242590	7	Terminal, Fork	
7	4460142	2	Terminal, Ring	
8	1001152595	2	Terminal, Fork	
9	4460247	2	Terminal, Ring	
10	1001148106	4	Connector - 23 Position	
10	4460464	78	Pin, Male	
10	4460466	14	Plug, Terminal	
11	1001242578	1	Connector - 2 Position	
11	1001150611	2	Socket, Female	
12	4460950	1	Receptacle, Female - 12 Position	
12	4460464	7	Pin, Male	
12	4460466	5	Plug, Terminal	
13	4460836	6	Plug, Male - 12 Position	
13	4460465	54	Socket, Female	
13	4460466	18	Plug, Terminal	
14	1001242578	1	Plug - 5 Position with Cable	
15	1001200931	1	Connector - 6 Position	
15	1001116748	6	Terminal	
16	1001103012	1	Connector - 4 Position	
16	1001116697	2	Terminal	
16	1001237212	2	Terminal	
16	1001104498	4	Seal	
101	1001249244	6	Connector, Bussbar - 12 Position	
102	4461070	1	Connector, Resistor - 3 Position	

FIGURE 8-37. ENGINE HARNESS - DEUTZ D2011 ENGINES

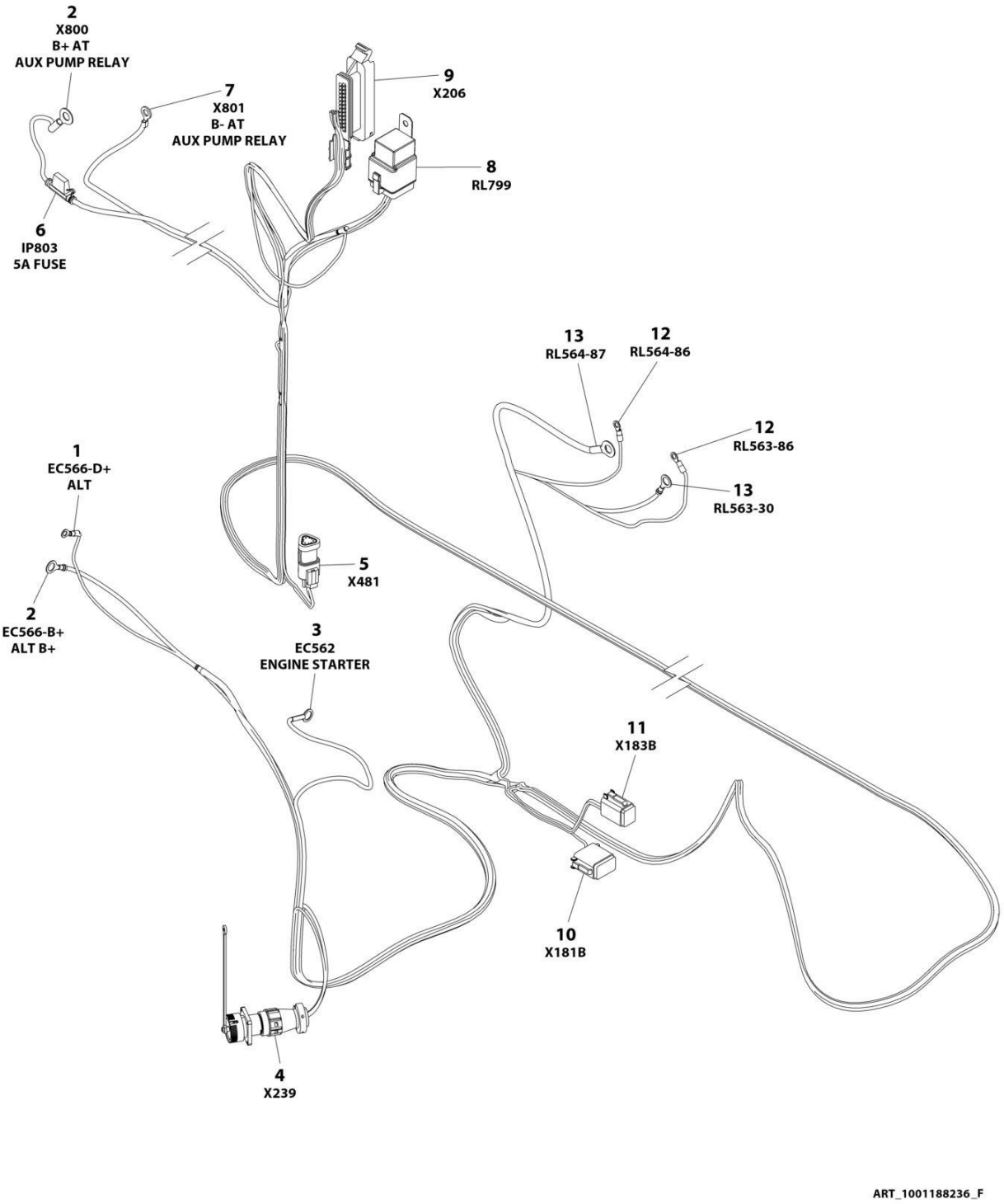
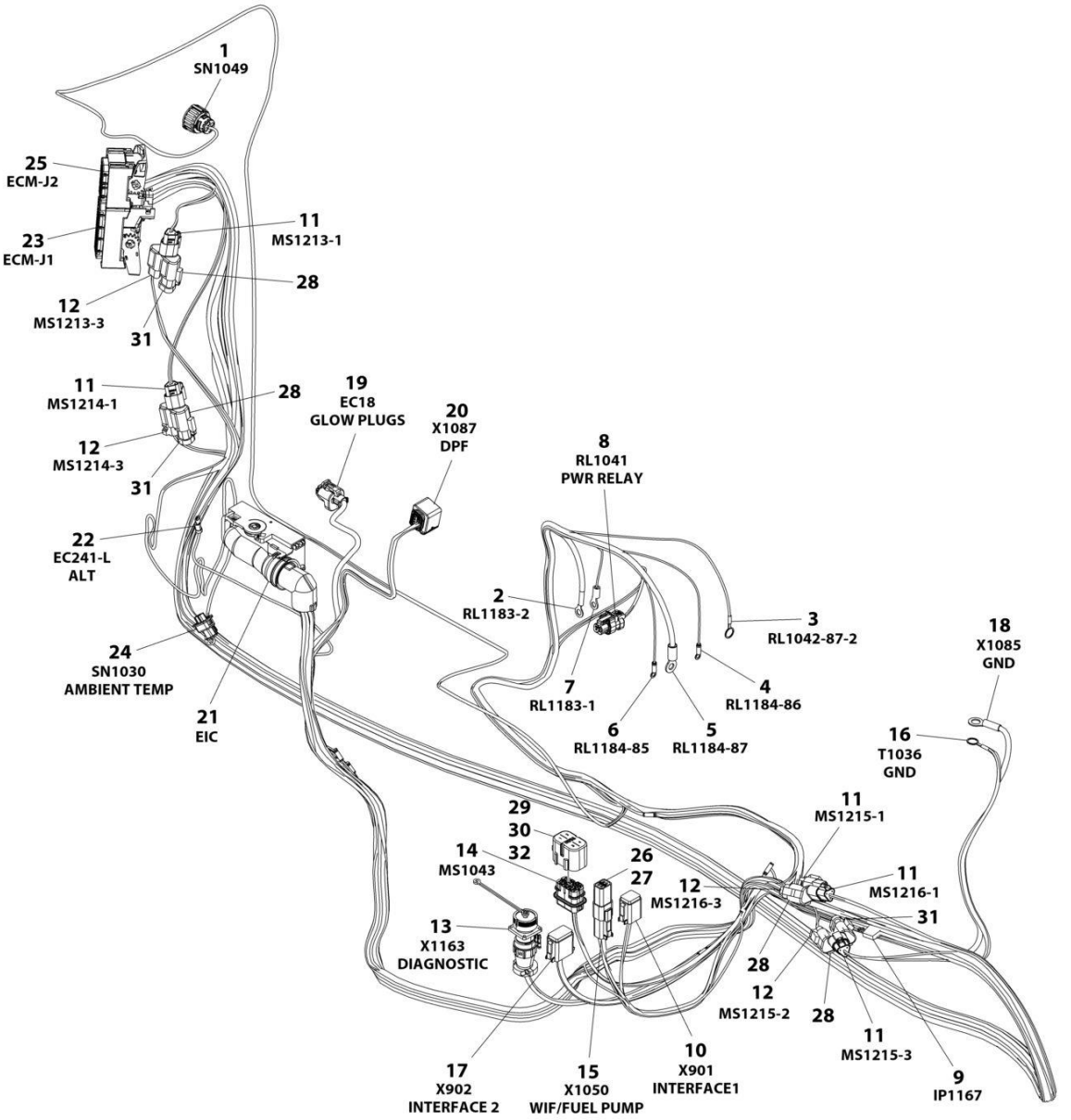


FIGURE 8-37. ENGINE HARNESS - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188236	Ref	ENGINE HARNESS	F
1	4460042	1	Terminal, Ring	
2	8220045	2	Terminal, Ring	
3	4460142	1	Terminal, Ring	
4	2902443	1	Receptacle Kit	
4	4461073	1	Cap, Dust	
5	4461095	1	Plug, Male - 3 Position	
5	4460944	2	Socket, Female	
5	4460466	1	Plug, Terminal	
5	4461070	1	Receptacle, Female - 3 Position	
5	4460943	3	Pin, Male	
6	2600066	2	Fuseholder with 5Amp Fuse	
6	See Note	NSS	Fuse - 5Amp (Note: Purchase Locally)	
7	4460312	1	Terminal, Ring	
8	1001117025	1	Plug, Relay	
8	1001116734	1	Terminal	
8	1001116732	3	Terminal	
8	1001128128	1	Plug, Terminal	
9	4461052	1	Connector - 25 Position	
9	4461060	1	Terminal	
9	4461005	6	Terminal	
9	4461008	18	Plug, Terminal	
9	4461054	1	Seal	
9	4461006	6	Seal	
9	4461053	1	Cover	
10	4460930	1	Plug, Male - 8 Position	
10	4460465	8	Socket, Female	
10	4460466	7	Plug, Terminal	
11	4460894	1	Plug, Male - 6 Position	
11	4460465	3	Socket, Female	
11	4460944	2	Socket, Female	
11	4460466	1	Plug, Terminal	
12	4460313	2	Terminal, Ring	
13	8220164	2	Terminal, Ring	

FIGURE 8-38. ENGINE HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE



ART_1001253798

FIGURE 8-38. ENGINE HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253798	Ref	ENGINE HARNESS	D
1	1001133714	1	Connector - 4 Position	
1	1001133715	3	Terminal	
1	1001135651	1	Plug, Terminal	
1	1001135650	3	Seal	
2	1001117106	1	Terminal, Ring	
3	4460703	1	Terminal, Ring	
4	4460247	1	Terminal, Ring	
5	1001117107	1	Terminal, Ring	
6	4460247	1	Terminal, Ring	
7	4460043	1	Terminal, Ring	
8	1001116952	1	Plug, Male - 2 Position	
8	4460465	2	Socket, Female	
9	1001170764	1	Holder, Fuse	
9	1001197719	1	Resistor 0.5 Watt	
10	4460894	1	Plug, Male - 6 Position	
10	4460465	2	Socket, Female	
10	4460944	2	Socket, Female	
10	4460466	2	Plug, Terminal	
11	1001116812	5	Connector, 3 Position	
11	4460944	10	Socket, Female	
11	4460466	5	Plug, Terminal	
12	4460539	4	Plug, Male - 3 Position	
12	4460944	8	Socket, Female	
12	4460466	4	Plug, Terminal	
13	2902443	1	Receptacle Kit	
13	4461071	6	Terminal	
14	80484084	1	Plug, Male - 8 Position	
14	1001116728	4	Terminal	
14	1001116727	4	Plug, Terminal	
14	4460458	4	Plug, Terminal	
15	4460884	1	Plug, Male - 4 Position	
15	4460465	3	Socket, Female	
15	4460942	1	Socket, Female	
16	4460019	1	Terminal, Ring	
17	4460930	1	Plug, Male - 8 Position	
17	4460465	1	Socket, Female	
17	4460466	7	Plug, Terminal	
18	8220164	1	Terminal, Ring	
19	1001253873	1	Connector, 1 Position	
19	1001142940	1	Terminal	
19	1001142941	1	Seal	
20	1001239202	1	Connector - 8 Position	
20	1001126363	7	Terminal	
20	1001126391	1	Seal, Terminal	
20	1001126364	7	Seal, Terminal	
21	1001126362	1	Connector - 62 Position	
21	1001126363	37	Terminal	
21	1001126365	2	Terminal	
21	1001126391	9	Plug, Terminal	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	4461008	4	Plug, Terminal	
21	1001126392	10	Terminal	
21	1001126364	37	Seal, Terminal	
21	1001223459	10	Seal, Terminal	
21	4461054	2	Seal	
22	4460042	1	Terminal, Ring	
23	1001133956	1	Connector - 94 Position	
23	1001126351	3	Terminal	
23	1001182361	6	Terminal	
23	1001252527	4	Terminal	
23	1001230934	25	Terminal	
23	1001230935	55	Plug, Terminal	
23	1001230936	1	Plug, Terminal	
23	1001182365	6	Seal, Terminal	
24	1001126487	1	Connector - 2 Position	
24	1001167635	2	Terminal	
24	1001126485	2	Seal	
25	1001133957	1	Connector - 60 Position	
25	1001126351	11	Terminal	
25	1001230934	26	Terminal	
25	1001230935	10	Plug, Terminal	
25	1001230936	13	Plug, Terminal	
26	4460466	4	Plug, Terminal	
27	4460932	1	Receptacle, Bussbar - 4 Position	
28	4460945	4	Connector, 3-Way Tee	
29	8229242	1	Fuse 5Amp	
30	80983191	1	Fuse, 10Amp	
31	1001116815	3	Plug, Male - 3 Position	
32	1001147264	1	Cap	

FIGURE 8-39. ENGINE HARNESS - DEUTZ D2.9L4 ENGINES

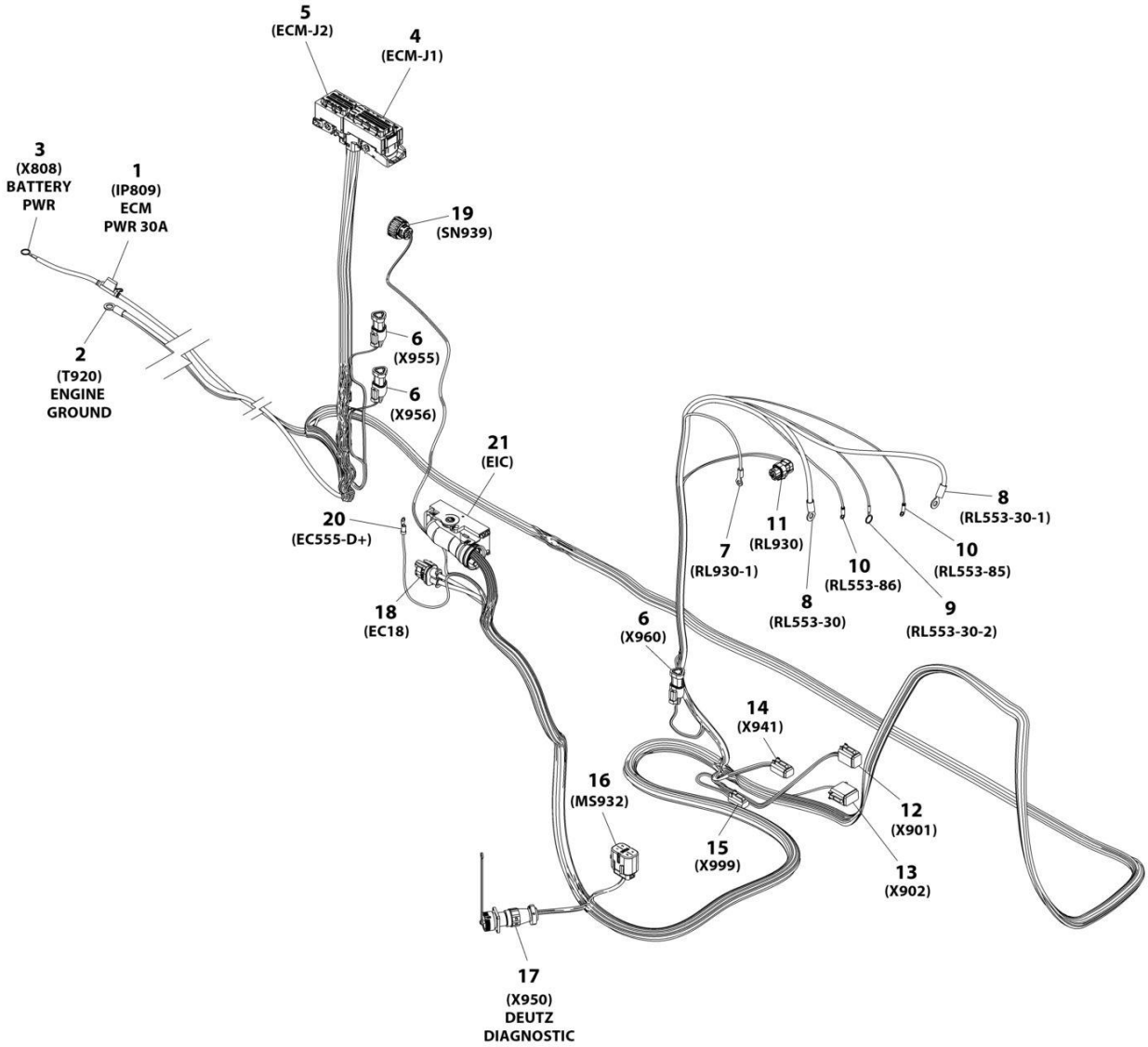


FIGURE 8-39. ENGINE HARNESS - DEUTZ D2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233895	Ref	ENGINE HARNESS	H
1	1001172064	1	Fuseholder with 30Amp Fuse	
1	1001172065	1	Fuse - 30A	
2	8220115	1	Terminal, Ring	
3	4460019	1	Terminal, Ring	
4	1001133956	1	Connector - 94 Position	
4	1001182361	6	Terminal	
4	1001230934	17	Terminal	
4	1001126351	2	Terminal	
4	1001256507	4	Terminal	
4	1001230936	2	Plug, Terminal	
4	1001230935	63	Plug, Terminal	
4	1001182365	6	Seal, Terminal	
5	1001133957	1	Connector - 60 Position	
5	1001126351	13	Terminal	
5	1001230934	11	Terminal	
5	1001252527	4	Terminal	
5	1001256507	2	Terminal	
5	1001230936	11	Plug, Terminal	
5	1001230935	19	Plug, Terminal	
6	4461095	3	Plug, Male - 3 Position	
6	4460944	6	Socket, Female	
6	4460466	3	Plug, Terminal	
6	4461070	3	Receptacle, Female - 3 Position	
7	4460043	1	Terminal, Ring	
8	1001117107	2	Terminal, Ring	
9	4460703	1	Terminal, Ring	
10	4460313	2	Terminal, Ring	
11	1001116952	1	Plug, Male - 2 Position	
11	4460465	2	Socket, Female	
12	4460894	1	Plug, Male - 6 Position	
12	4460465	3	Socket, Female	
12	4460944	2	Socket, Female	
12	4460466	1	Plug, Terminal	
13	4460930	1	Plug, Male - 8 Position	
13	4460465	1	Socket, Female	
13	4460466	7	Plug, Terminal	
14	1001220379	1	Plug, Male - 4 Position	
14	4460465	2	Socket, Female	
14	4460942	2	Socket, Female	
15	4460891	1	Plug, Male - 4 Position	
15	4460465	2	Socket, Female	
16	80484084	1	Plug, Male - 8 Position	
16	8229242	1	Fuse - 5Amp	
16	80983191	1	Fuse - 10Amp	
16	4460746	3	Socket, Female	
16	1001234800	1	Socket, Female	
16	4460748	4	Plug, Terminal	
16	4460458	4	Plug, Terminal	
16	1001147264	1	Cap	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	2902443	1	Receptacle Kit	
17	4461073	1	Cap, Dust	
17	4461071	6	Terminal	
18	1001142938	1	Plug, Male - 2 Position	
18	1001142940	2	Terminal	
18	1001142941	2	Seal	
19	1001133714	1	Connector - 4 Position	
19	1001133715	3	Terminal	
19	1001135651	1	Plug, Terminal	
19	1001135650	3	Seal, Terminal	
20	4460042	1	Terminal, Ring	
21	1001126362	1	Connector - 62 Position	
21	1001126363	25	Terminal	
21	1001126392	10	Terminal	
21	1001126365	2	Terminal	
21	1001126391	21	Plug, Terminal	
21	4461008	4	Plug, Terminal	
21	1001223459	10	Seal	
21	4461054	2	Seal	
21	1001126364	23	Seal, Terminal	
21	1001256506	2	Seal, Terminal	
21	1001151856	1	Elbow	

FIGURE 8-40. FUEL HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE

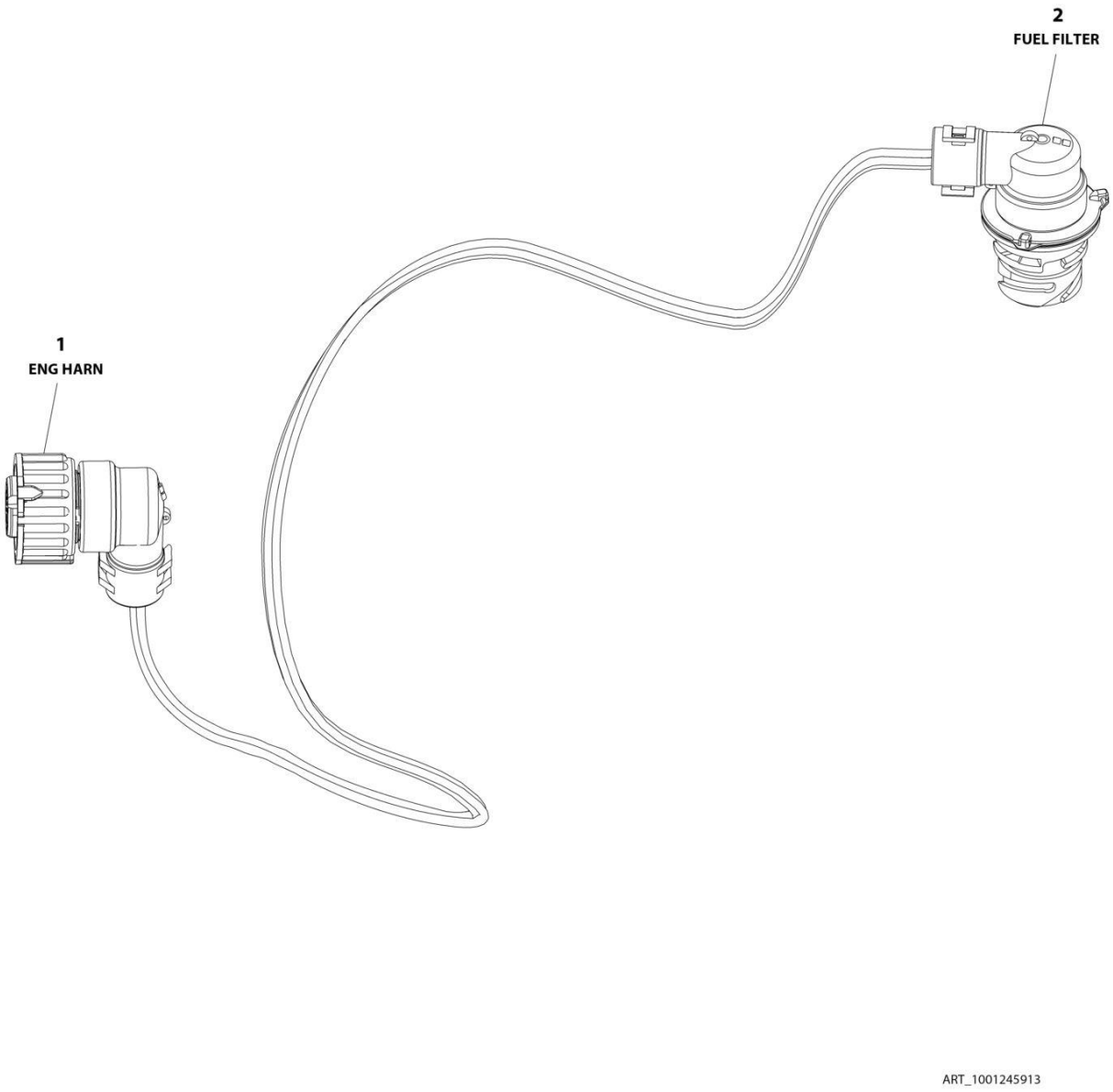


FIGURE 8-40. FUEL HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE

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

FIGURE 8-41. FUEL PUMP HARNESS - DEUTZ TD2.9L4 & DEUTZ TD2.2L3 (STAGE V) ENGINES

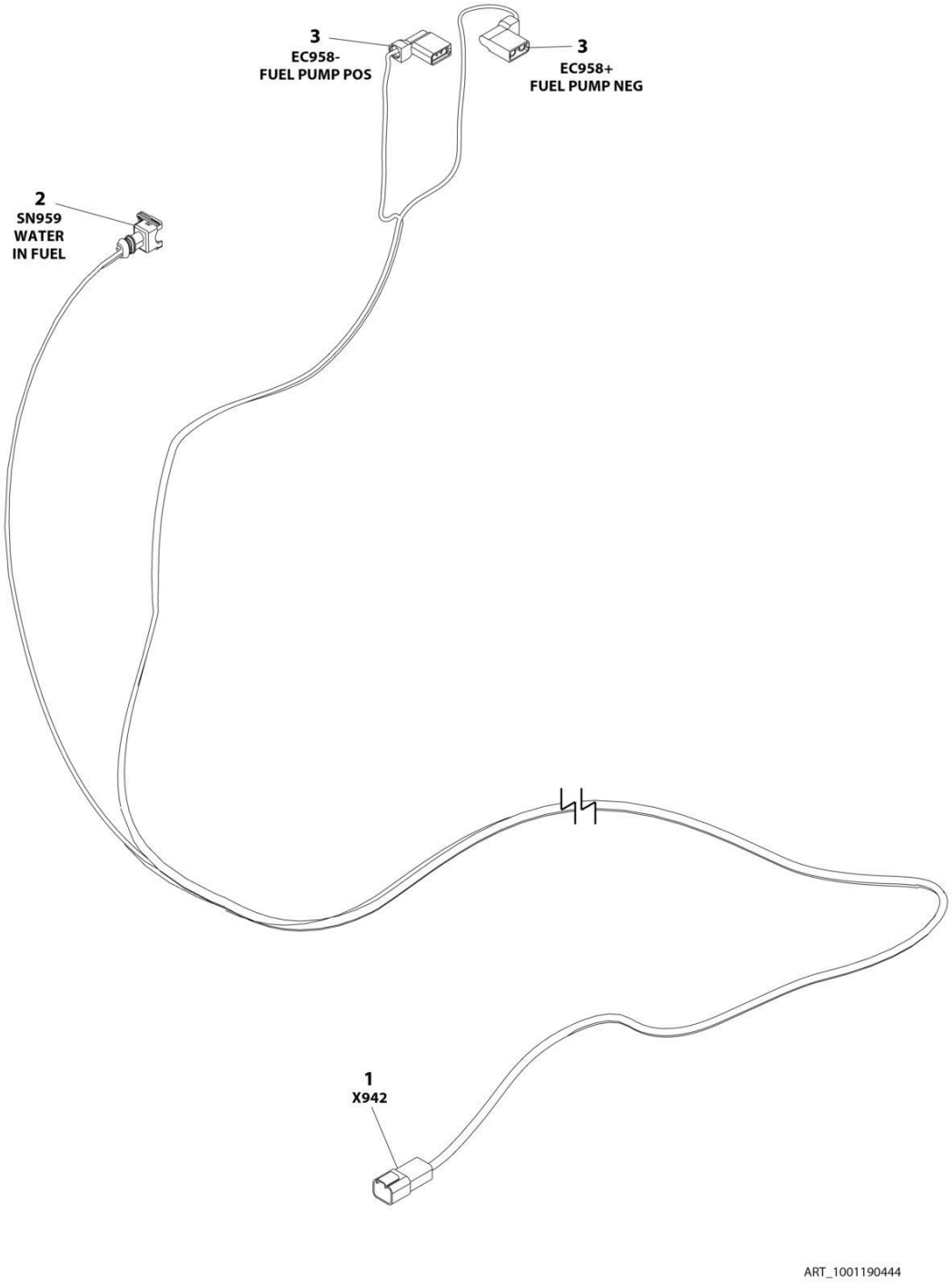


FIGURE 8-41. FUEL PUMP HARNESS - DEUTZ TD2.9L4 & DEUTZ TD2.2L3 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190444	Ref	FUEL PUMP HARNESS	D
1	4460932	1	Receptacle, Female - 4 Position	
1	4460941	4	Pin, Male	
2	1001116983	1	Plug, Male - 2 Posiiton	
2	1001227507	2	Socket, Female	
2	4461054	2	Seal	
3	1001223045	2	Connector	

FIGURE 8-42. GENERATOR HARNESS - 2500W

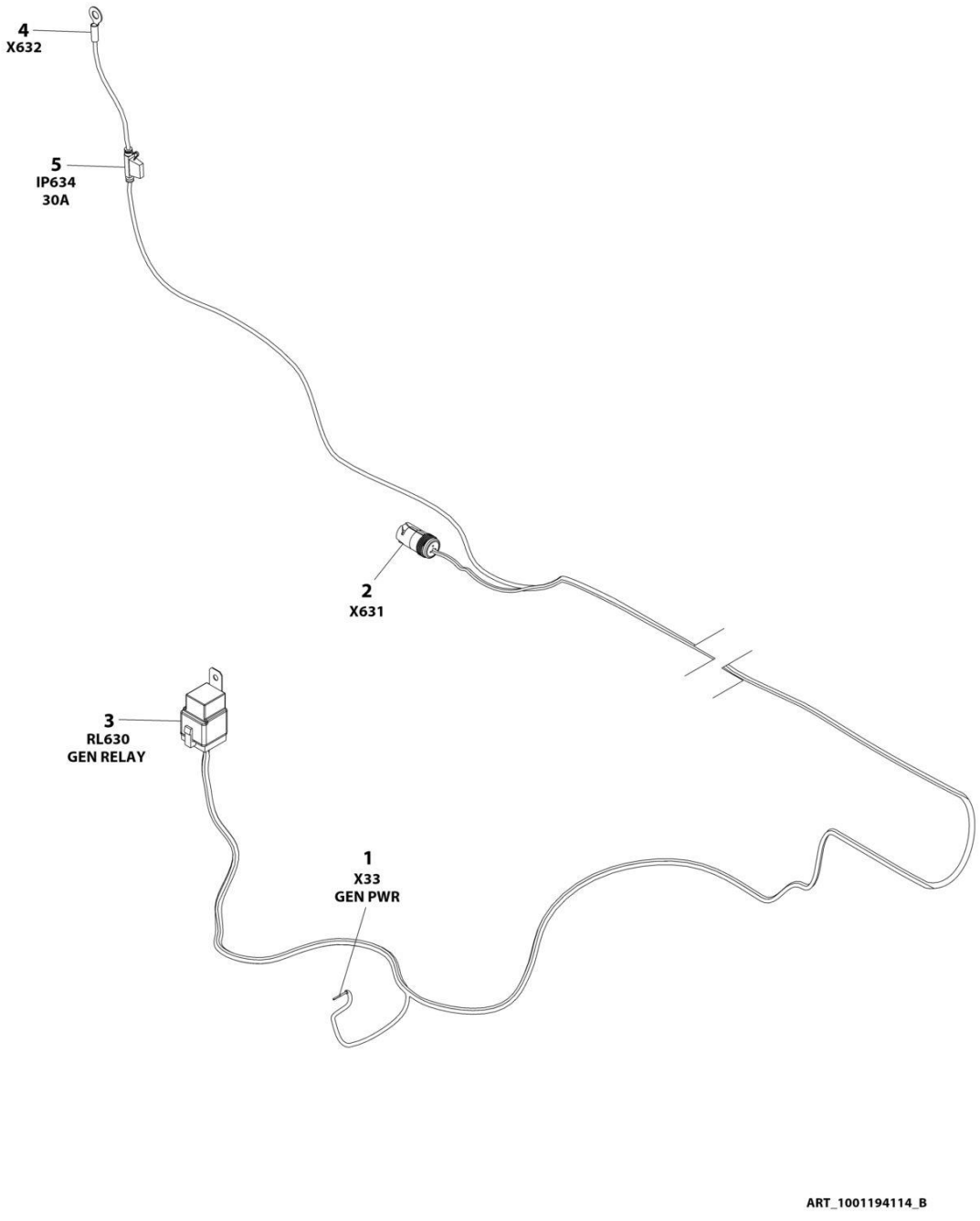


FIGURE 8-42. GENERATOR HARNESS - 2500W

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194114	Ref	GENERATOR HARNESS	B
1	4460906	1	Socket, Female	
2	1001154726	1	Receptacle, Female - 3 Position	
2	4460464	2	Pin, Male	
2	4460466	1	Plug, Terminal	
3	1001120851	1	Connector, Relay	
3	1001116734	2	Terminal	
3	1001116732	2	Terminal	
3	3740080	1	Relay	
4	8220045	1	Terminal, Ring	
5	2400060	1	Fuseholder - 30Amp (Includes Cover)	
5	8229245	1	Fuse - 30Amp	

FIGURE 8-43. GENERATOR HARNESS - 4000W

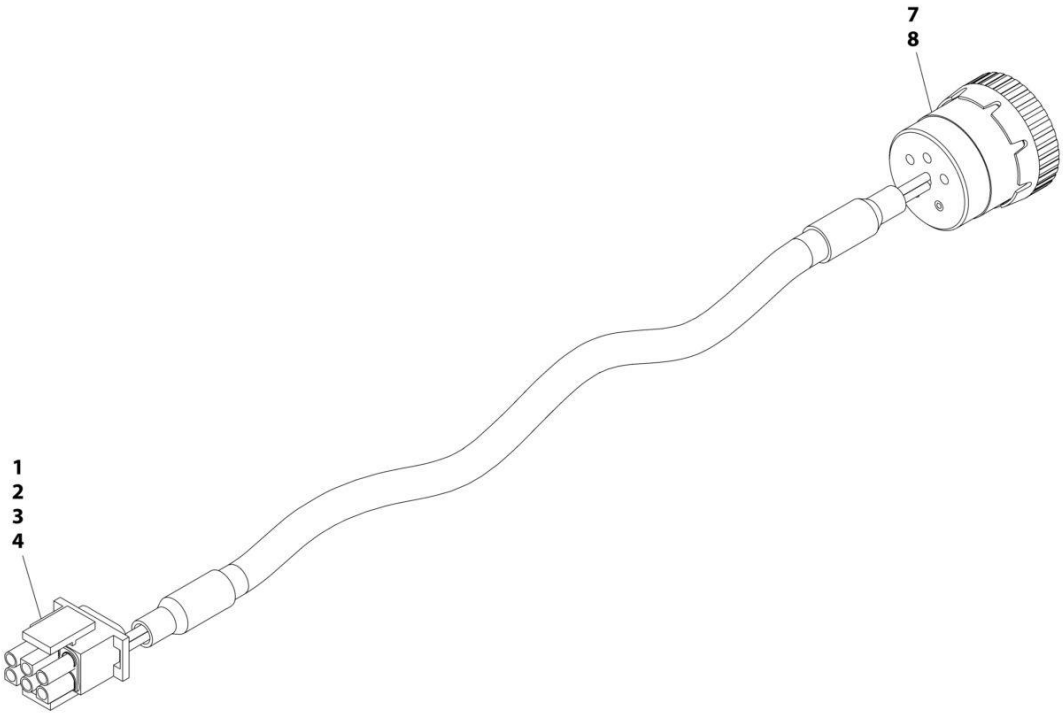


FIGURE 8-43. GENERATOR HARNESS - 4000W

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

FIGURE 8-44. GENERATOR HARNESS - 7500W SKYPOWER

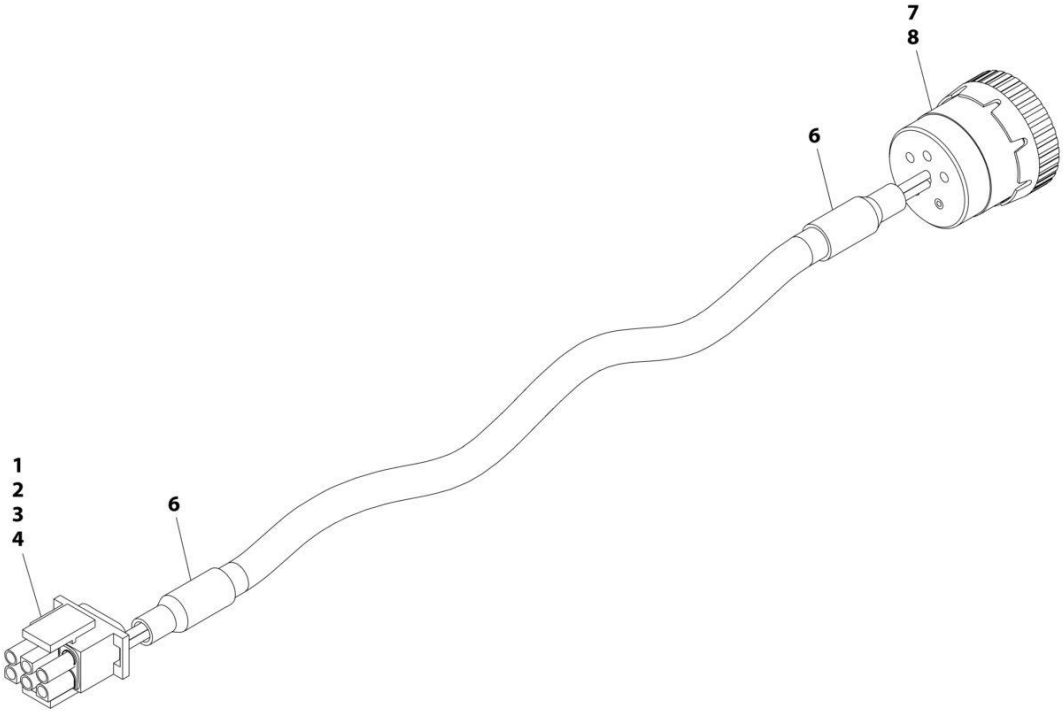


FIGURE 8-44. GENERATOR HARNESS - 7500W SKYPOWER

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

FIGURE 8-45. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ONLY)

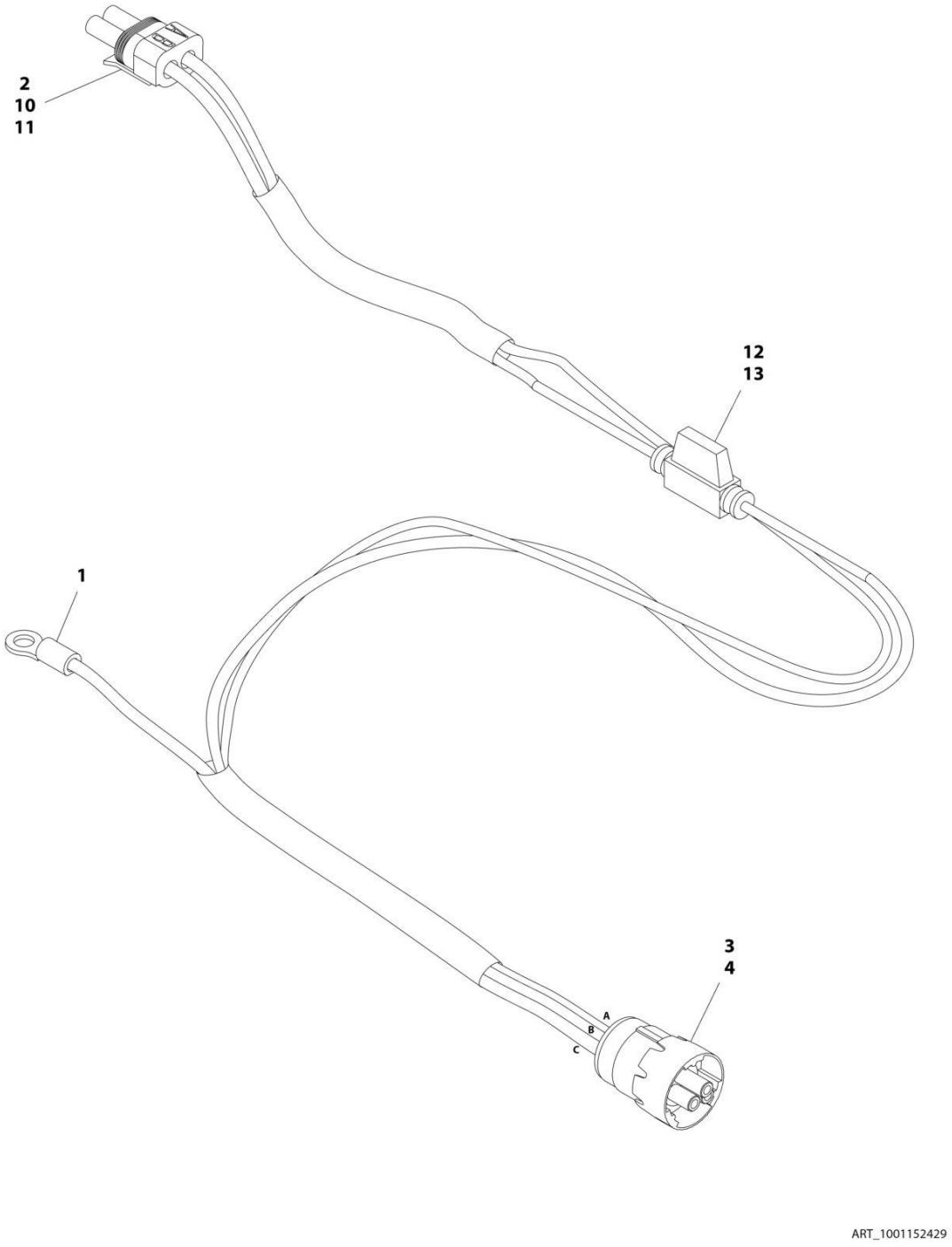


FIGURE 8-45. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152429	Ref	GENERATOR TO ENGINE HARNESS	C
1	4460043	1	Terminal, Ring	
2	4460742	1	Plug, Male - 2 Position	
3	4460967	1	Connector - 3 Position	
4	4460465	3	Socket, Female	
10	4460743	2	Terminal, Female	
11	4460458	2	Seal	
12	2400060	1	Fuseholder (Includes Cover)	
13	2400064	1	Fuse - 5Amp	

FIGURE 8-46. GROUND CONTROL HARNESS

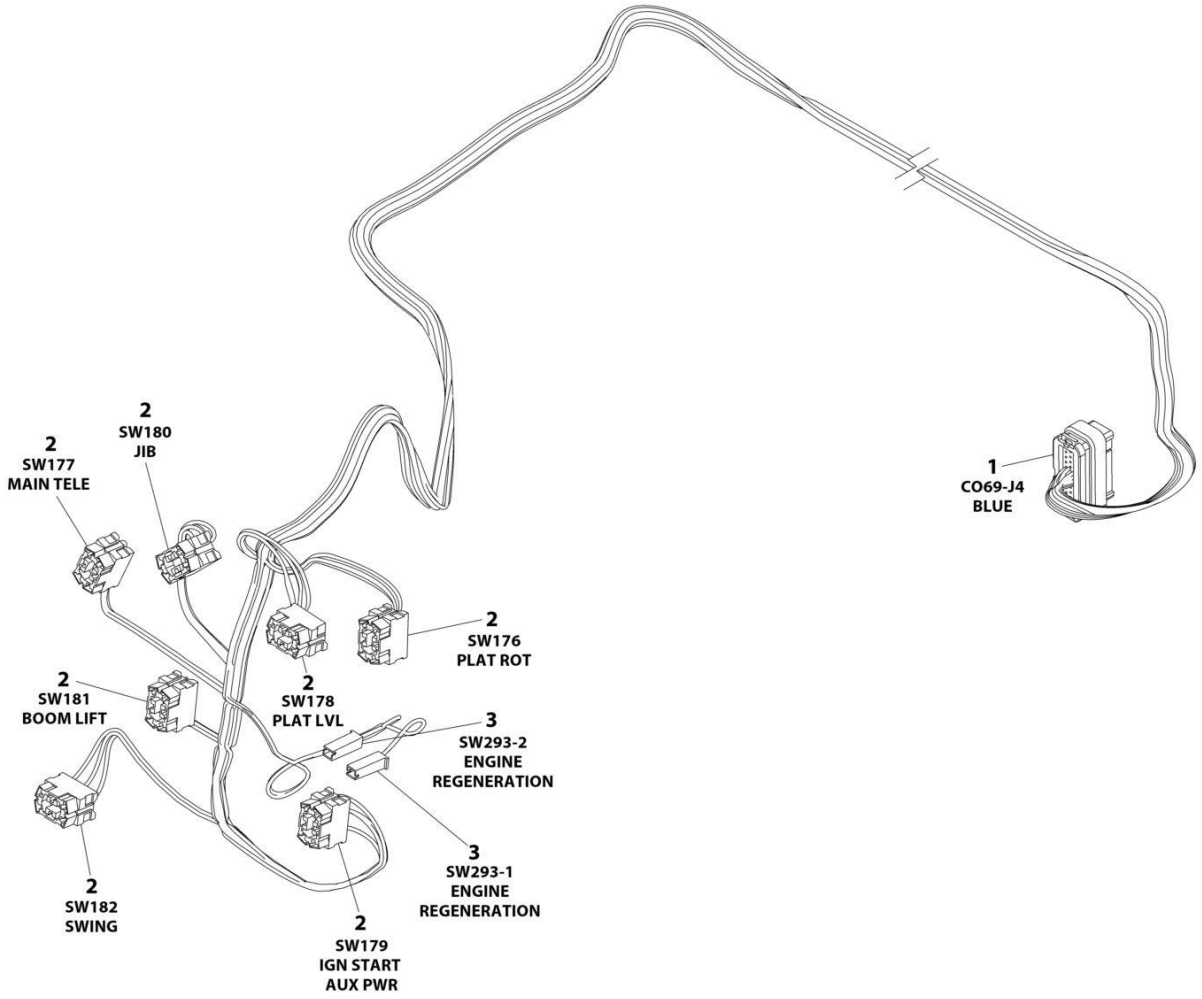


FIGURE 8-46. GROUND CONTROL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238408	Ref	GROUND CONTROL HARNESS	B
1	4460876	1	Connector - 35 Position	
1	4460871	16	Socket, Female	
1	4460905	19	Plug, Terminal	
2	4460418	7	Connector, Switch	
2	4460419	14	Terminal	
2	1001159186	14	Terminal	
3	4460260	2	Terminal	
3	4460259	2	Terminal	

FIGURE 8-47. LIFT CYLINDER HARNESS

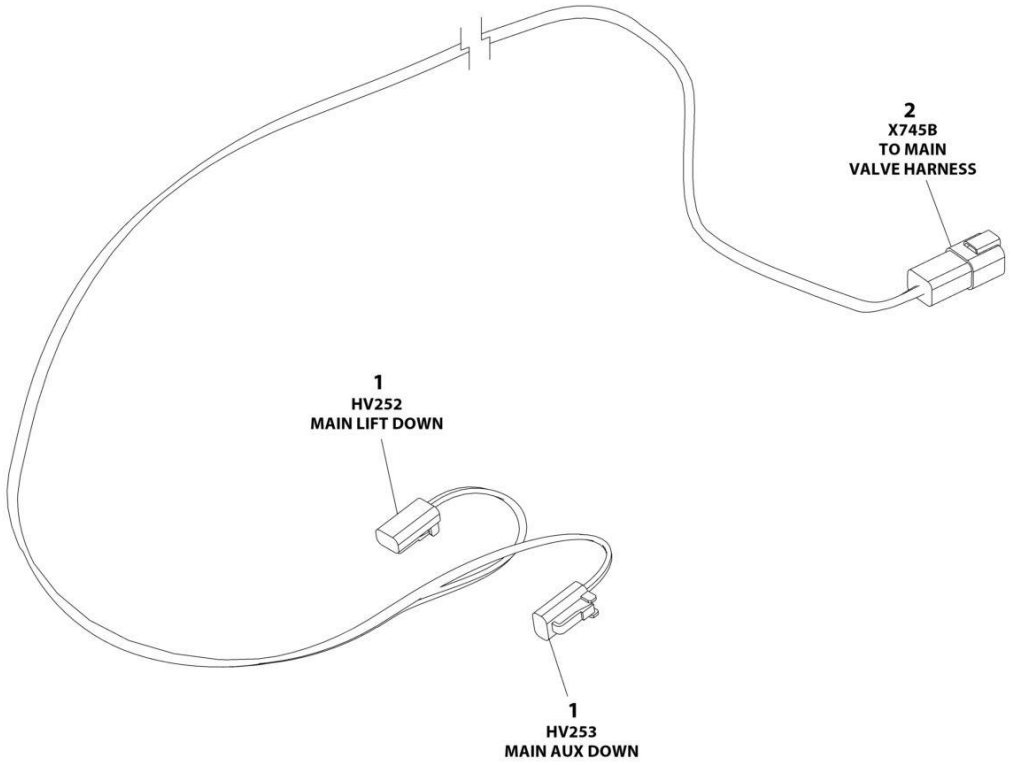


FIGURE 8-47. LIFT CYLINDER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205923	Ref	LIFT CYLINDER HARNESS	C
1	4460891	2	Plug, Male - 2 Position	
1	4460465	4	Socket, Female	
2	4460932	1	Receptacle, Female - 4 Position	
2	4460464	4	Pin, Male	

FIGURE 8-48. PLATFORM BOX HARNESS

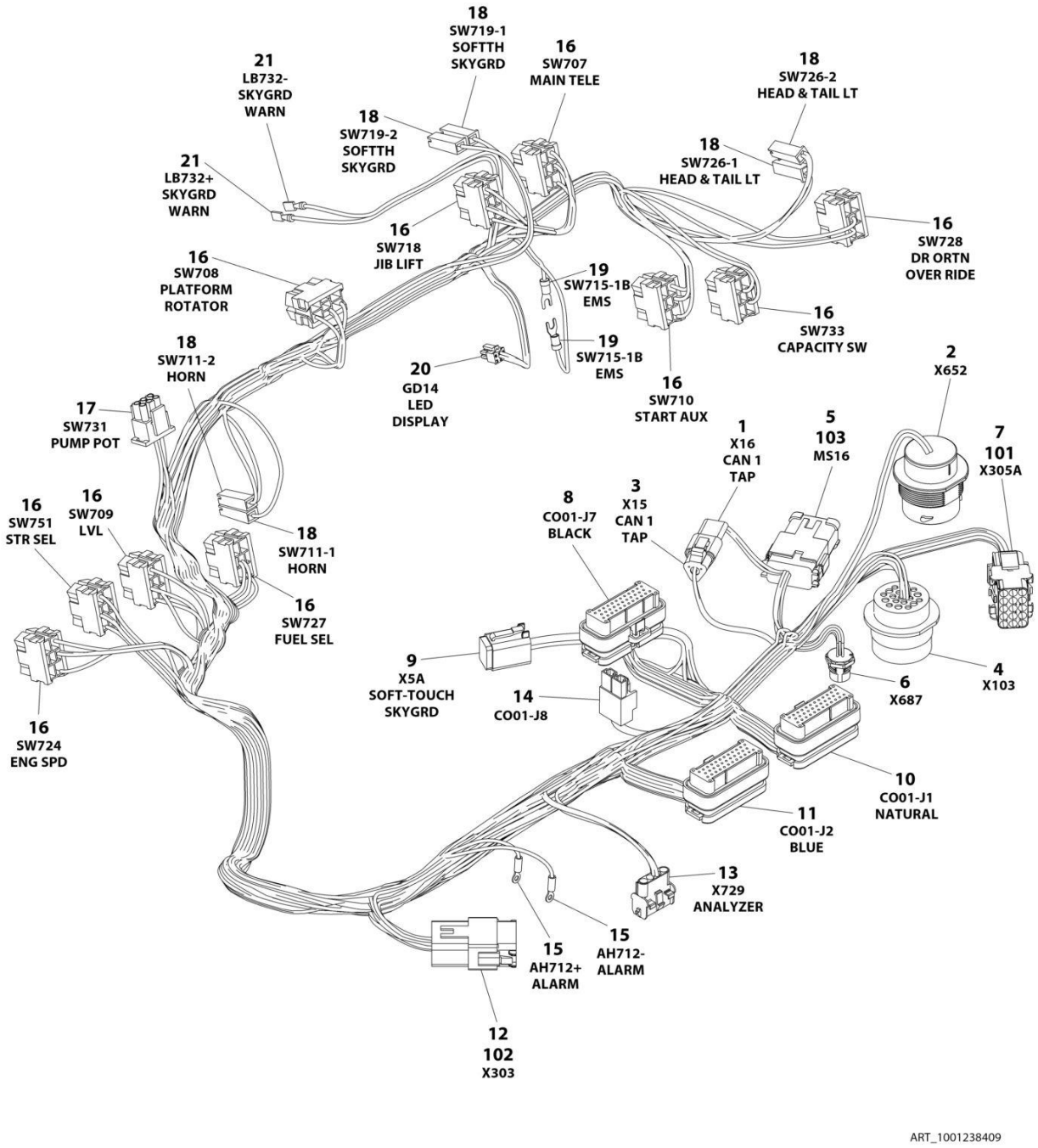


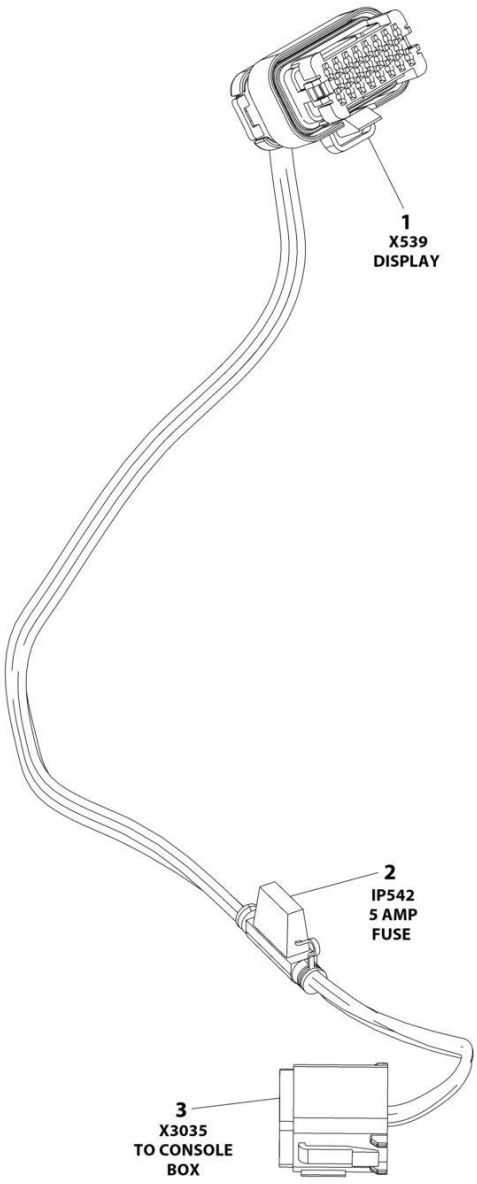
FIGURE 8-48. PLATFORM BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238409	Ref	PLATFORM CONSOLE HARNESS	J
1	4460536	1	Receptacle, Female - 3 Position	
1	4460943	2	Pin, Male	
1	4460466	1	Plug, Terminal	
2	4460925	1	Connector - 21 Position	
2	1001116695	15	Pin, Male	
2	4460518	6	Plug, Terminal	
3	4460539	1	Plug, Male - 3 Position	
3	4460944	2	Socket, Female	
3	4460466	1	Plug, Terminal	
4	4460866	1	Connector - 19 Position	
4	4460464	7	Pin, Male	
4	4460943	2	Pin, Male	
4	4460508	1	Pin, Male	
4	4460466	8	Plug, Terminal	
5	4460933	1	Plug, Male - 12 Position	
5	4460465	10	Socket, Female	
5	4460466	2	Plug, Terminal	
6	1001213447	1	Connector - 4 Position	
6	See Note	NSS	Terminal (Note: Purchase p/n 1001213447)	
7	4460434	1	Connector - 15 Position	
7	4460267	8	Pin, Male	
8	4460873	1	Connector - 35 Position	
8	4460871	24	Socket, Female	
8	4460905	11	Plug, Terminal	
9	4460894	1	Plug, Male - 6 Position	
9	4460465	6	Socket, Female	
10	4460874	1	Connector - 35 Position	
10	4460871	29	Socket, Female	
10	4460905	6	Plug, Terminal	
11	4460876	1	Connector - 35 Position	
11	4460871	12	Socket, Female	
11	4460905	23	Plug, Terminal	
12	4460970	1	Receptacle, Female - 12 Position	
12	1001116693	6	Pin, Male	
12	4460466	6	Plug, Terminal	
13	4460761	1	Receptacle, Female - 4 Position	
13	1001118378	4	Pin, Male	
14	4460879	1	Plug, Male - 2 Position	
14	4460887	2	Terminal	
15	1001098122	2	Terminal, Ring	
16	4460418	10	Connector - 6 Position	
16	4460419	20	Terminal	
16	1001159186	18	Terminal	
17	4460225	1	Plug, Male - 6 Position	
17	4460227	6	Pin, Male (Note: Used on Pump Potentiometer Connection Only)	
17	4460267	2	Terminal	
18	4460260	6	Housing, Terminal	
18	4460259	6	Terminal	
19	4460183	2	Terminal, Fork	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
20	1001237667	1	Connector - 6 Position	
20	1001237668	4	Terminal	
21	1001271497	1	Terminal	
101	4460708	1	Connector - 12 Position	
102	4460933	1	Plug, Male - 12 Position	
103	1001125677	1	Connector, Bussbar	

FIGURE 8-49. PLATFORM DISPLAY HARNESS



ART_1001241530

FIGURE 8-49. PLATFORM DISPLAY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241530	Ref	PLATFORM DISPLAY HARNESS	C
1	1001116994	1	Connector - 23 Position	
1	4460871	5	Terminal	
1	4460905	18	Plug, Terminal	
2	1001170764	1	Fuse Holder with Cover	
2	8229242	1	Fuse - 5Amp	
3	4460933	1	Plug, Male - 12 Position	
3	4460465	4	Socket, Female	
3	4460466	8	Plug, Terminal	

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

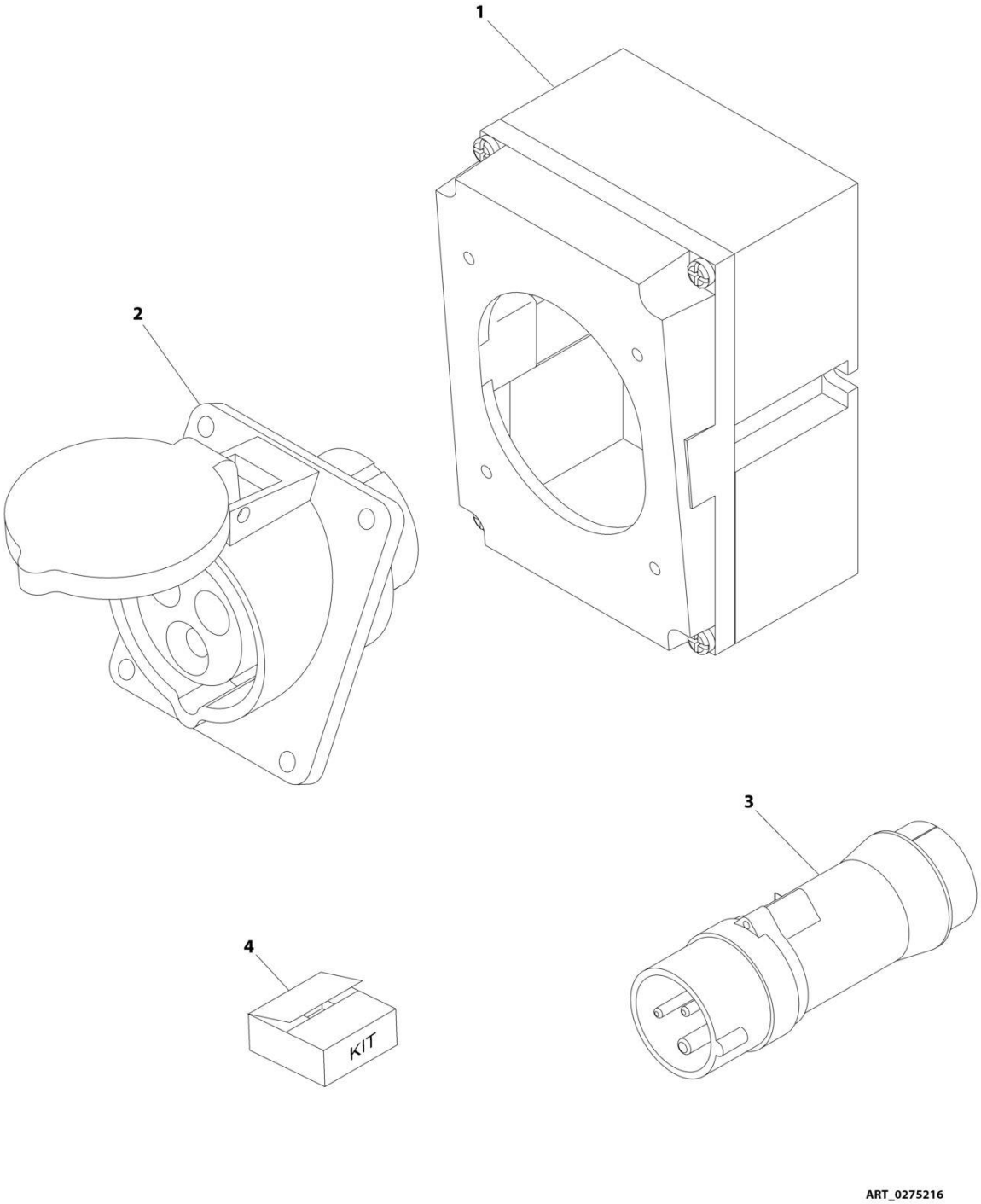


FIGURE 8-50. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC)

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

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

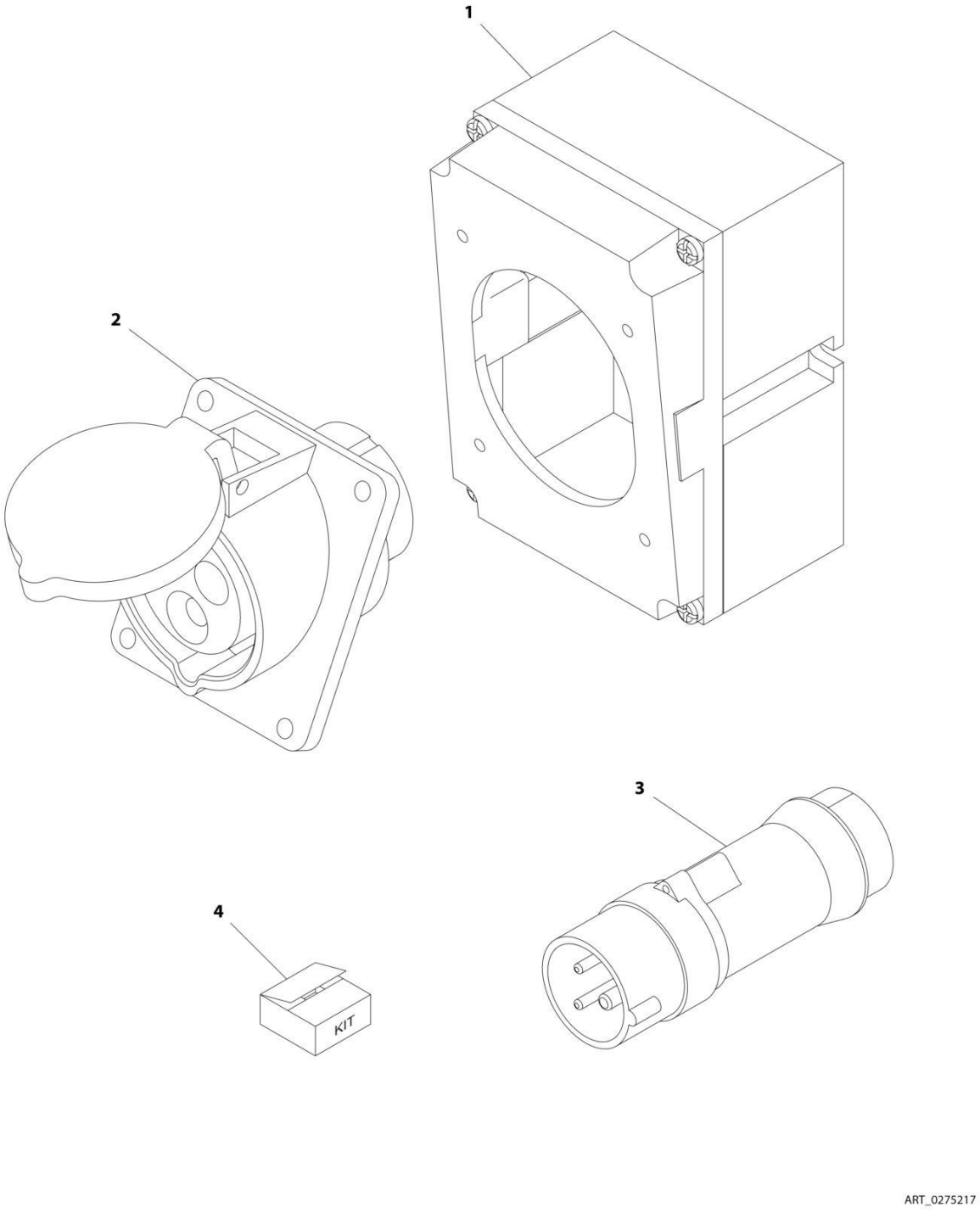


FIGURE 8-51. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC)

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

FIGURE 8-52. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE SPEC)

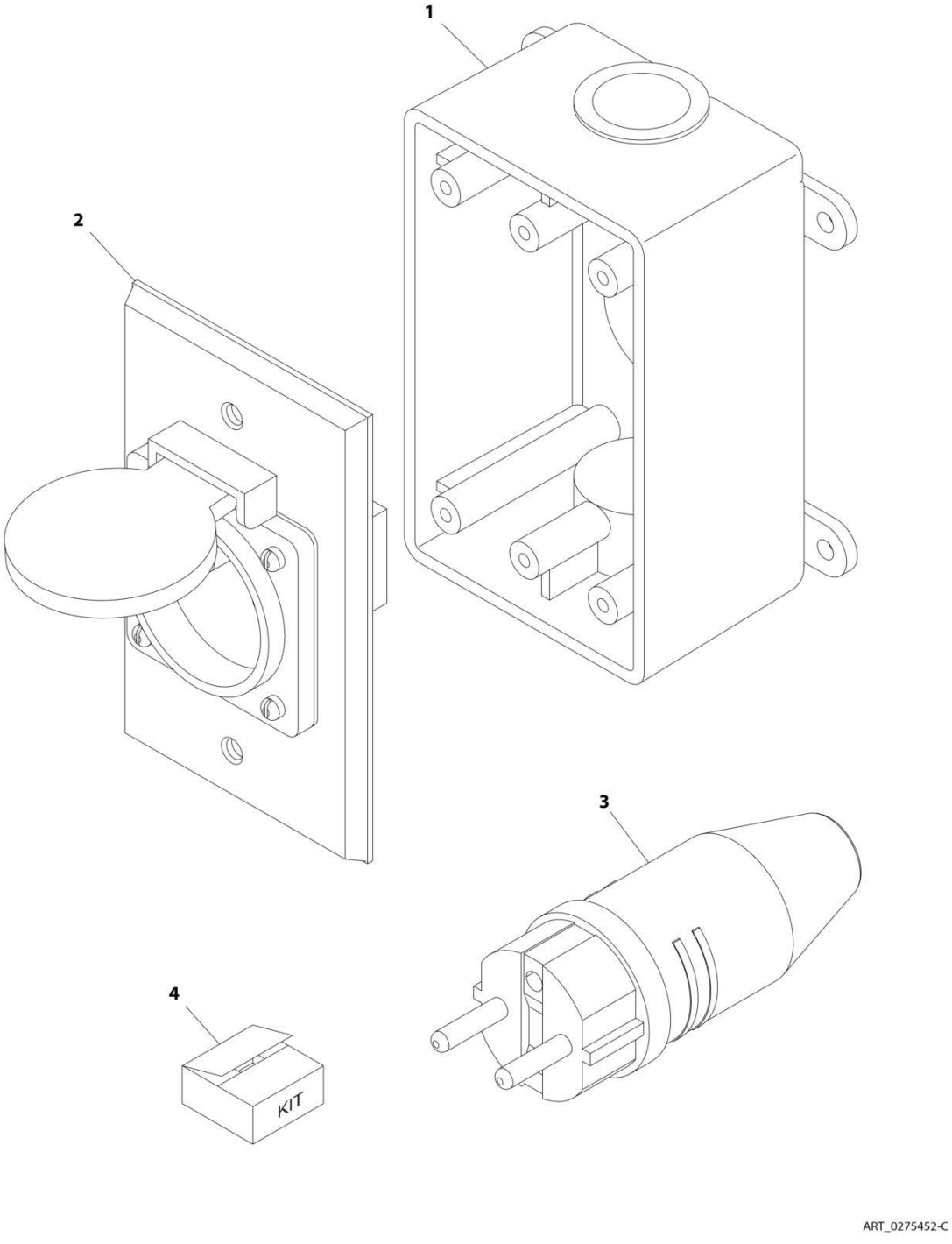


FIGURE 8-52. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE SPEC)

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

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

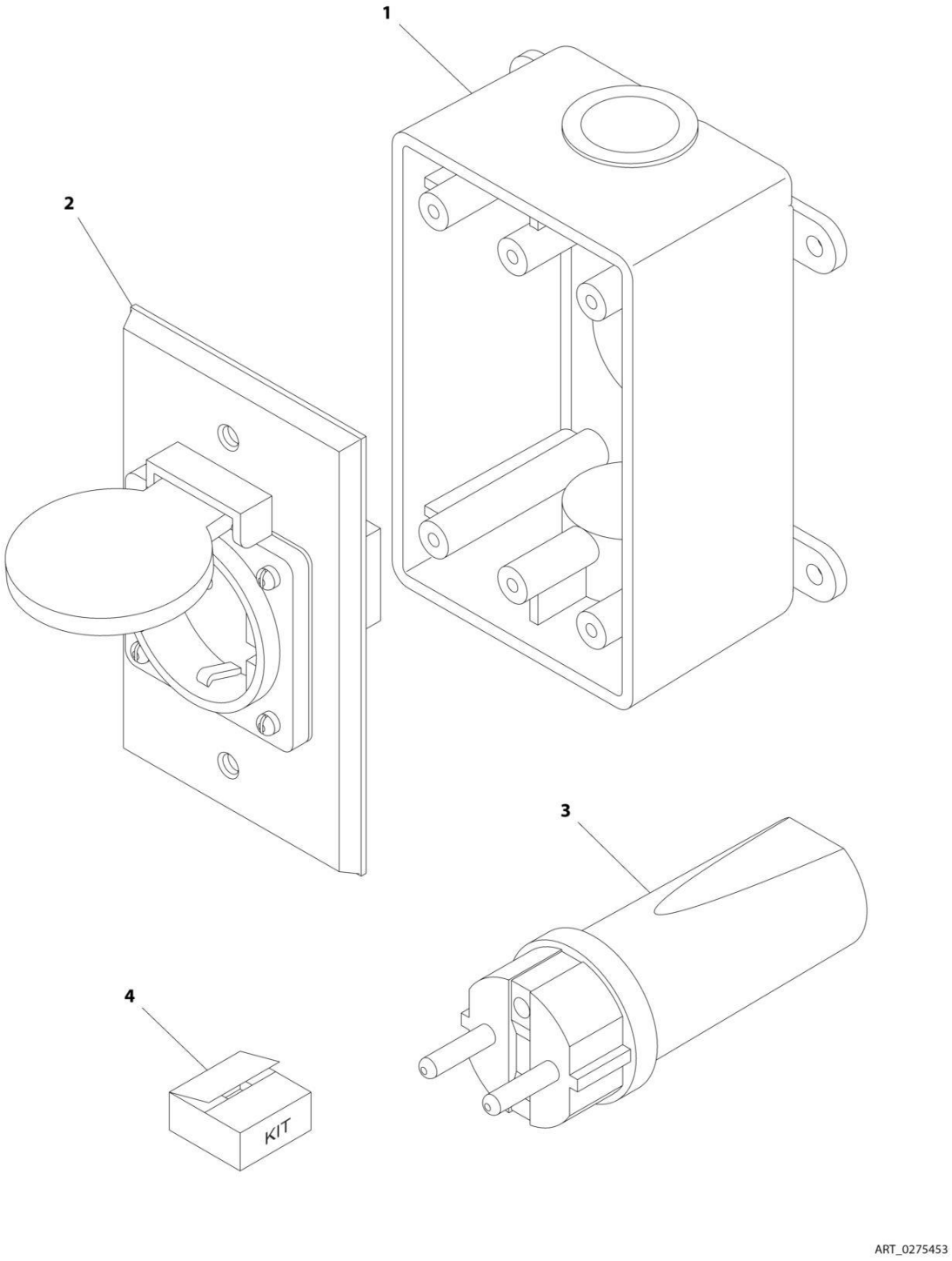


FIGURE 8-53. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC)

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

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

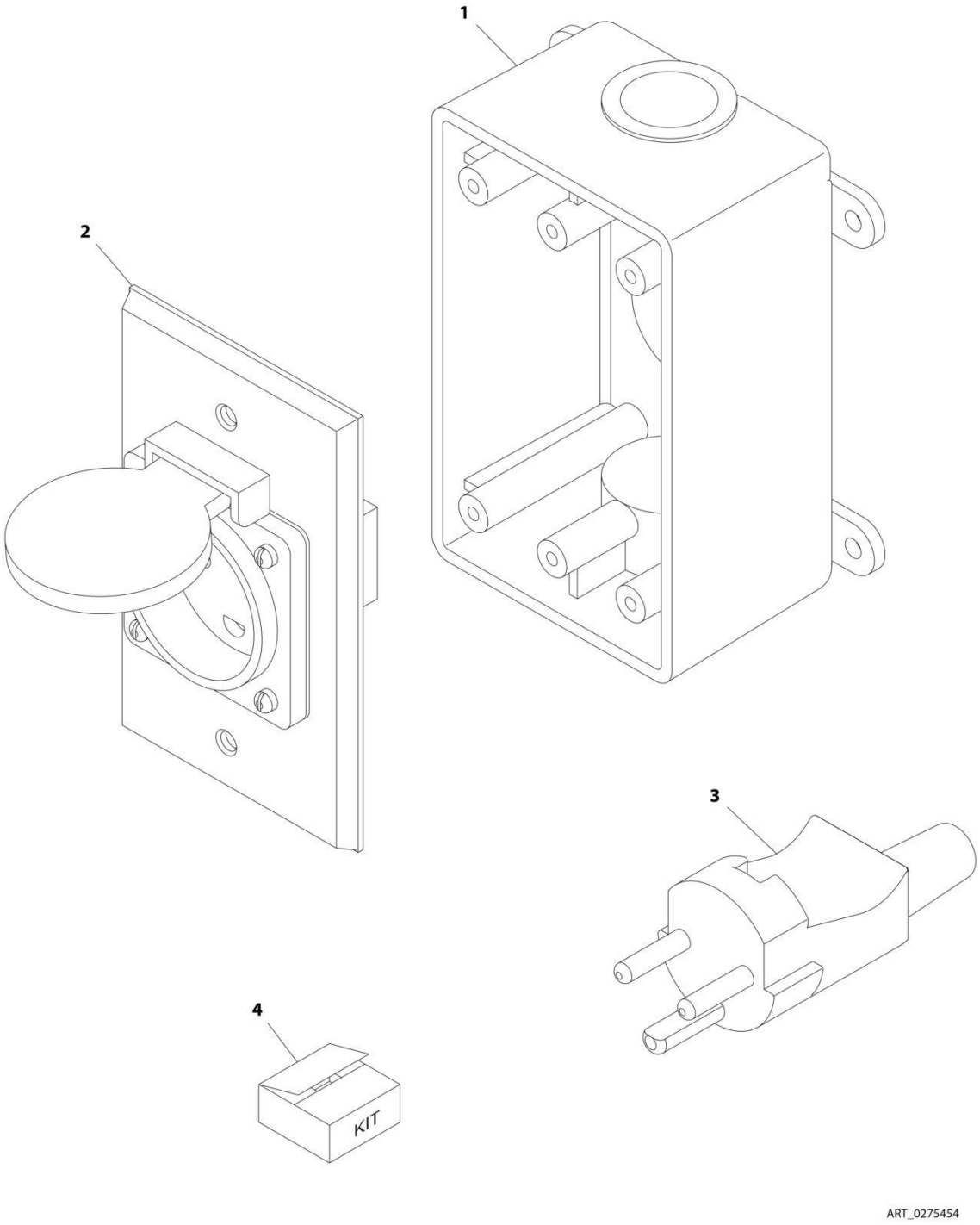


FIGURE 8-54. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)

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

FIGURE 8-55. SKYEYE EMITTER HARNESS

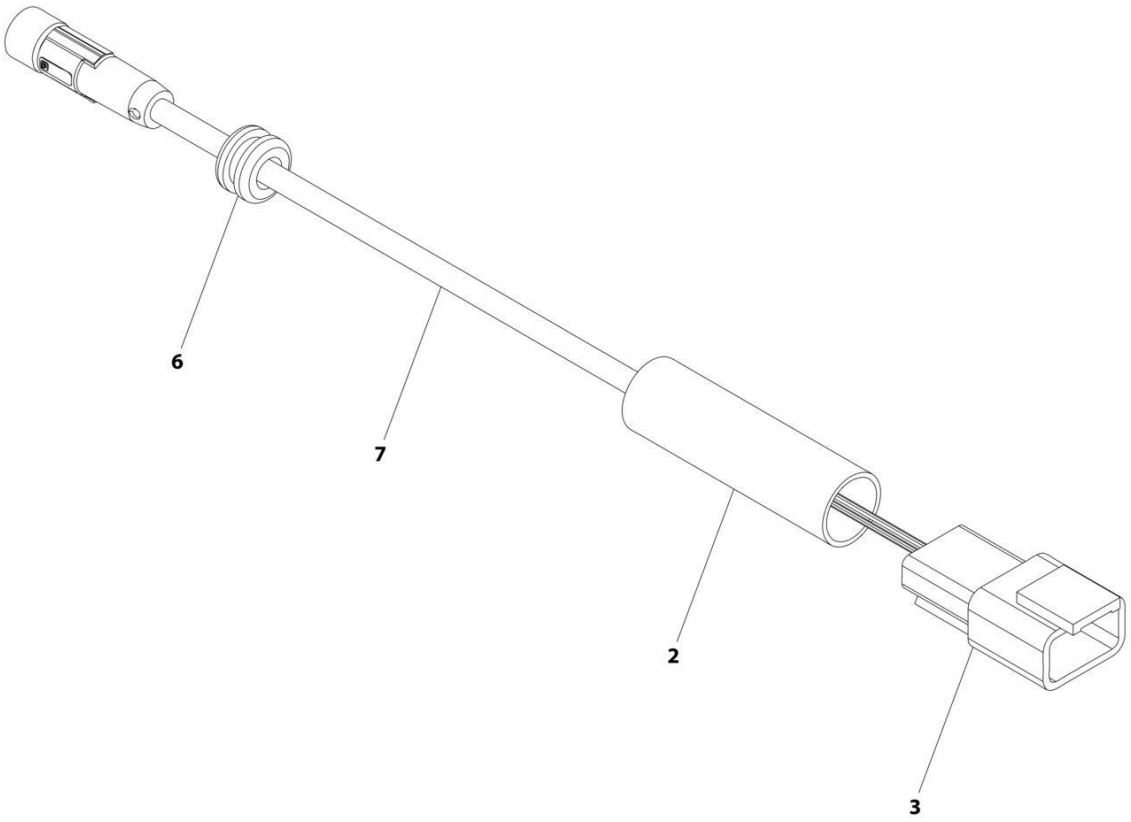
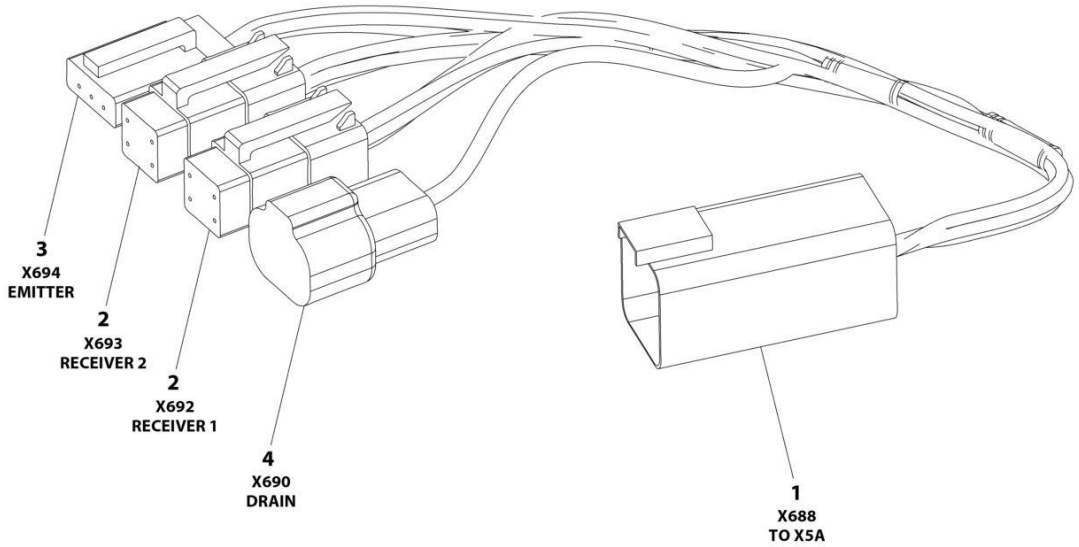


FIGURE 8-55. SKYEYE EMITTER HARNESS

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 8-56. SKYEYE INTERMEDIATE HARNESS



ART_1001237865

FIGURE 8-56. 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 8-57. SKYEYE RECEIVER HARNESS

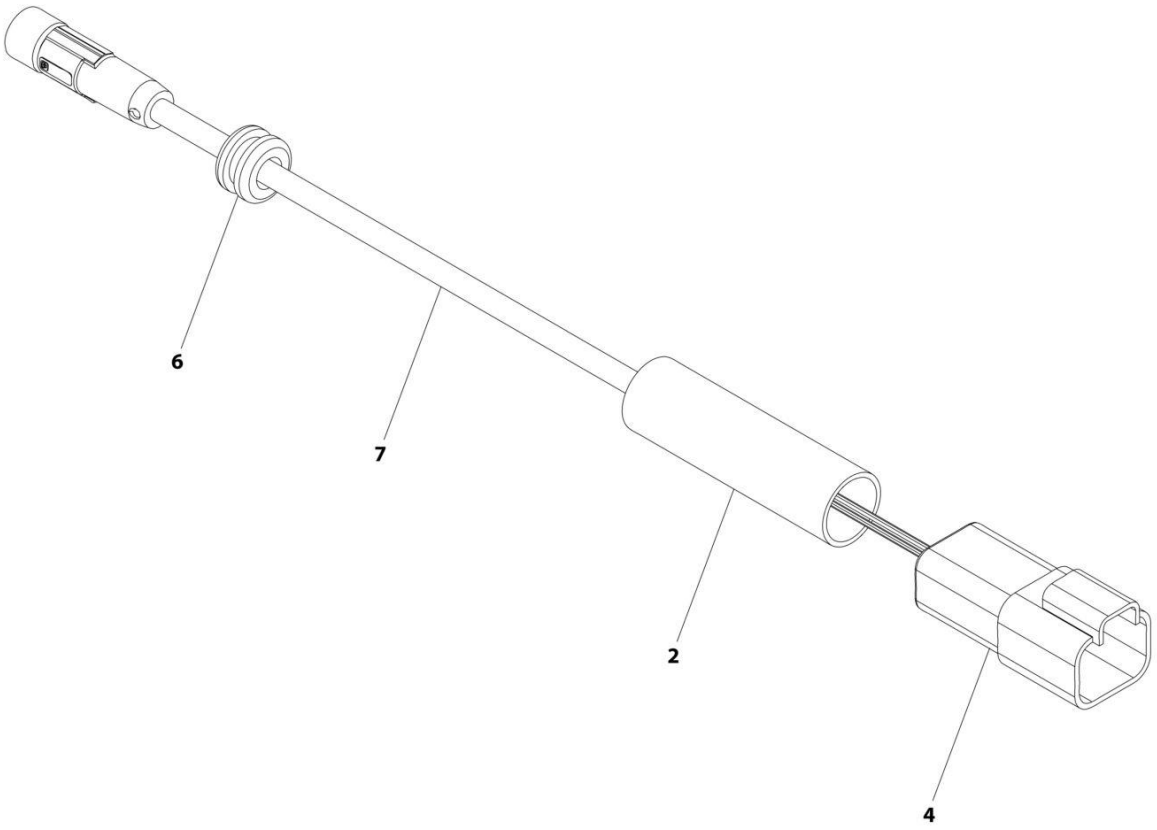


FIGURE 8-57. SKYEYE RECEIVER HARNESS

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 8-58. SKYGUARD INTERFACE HARNESS

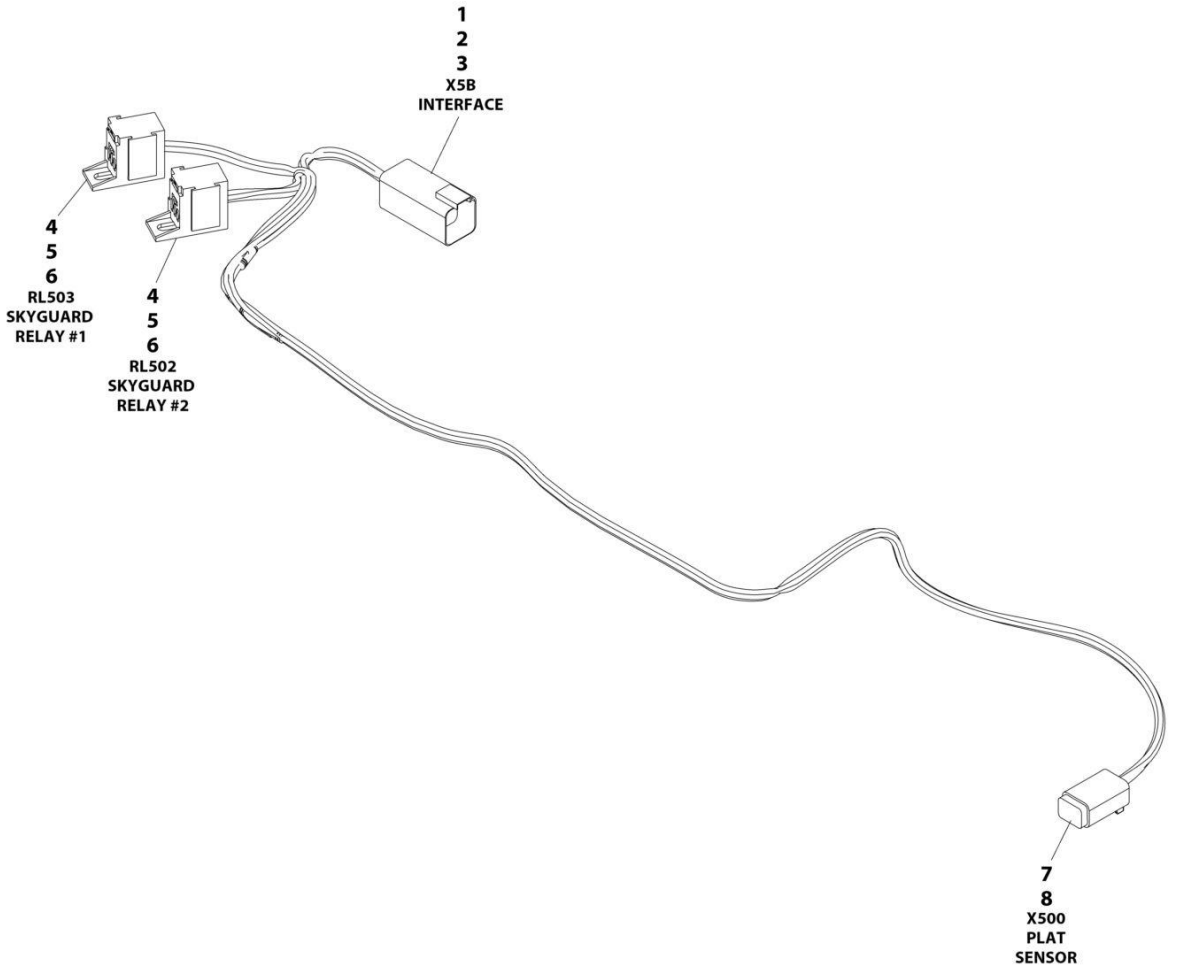


FIGURE 8-58. SKYGUARD INTERFACE HARNESS

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

FIGURE 8-59. SKYLINE HARNESS

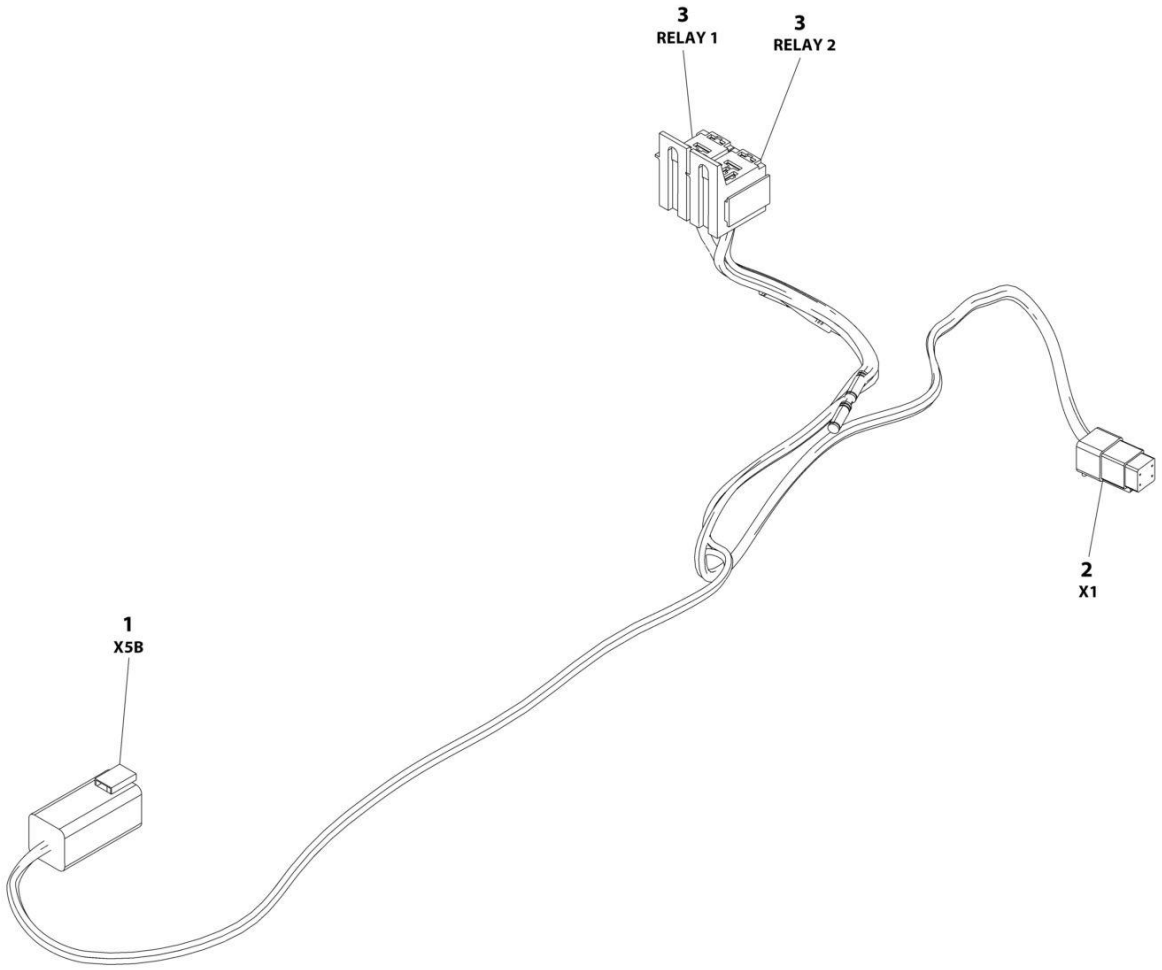


FIGURE 8-59. SKYLINE HARNESS

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 8-60. STEER HARNESS

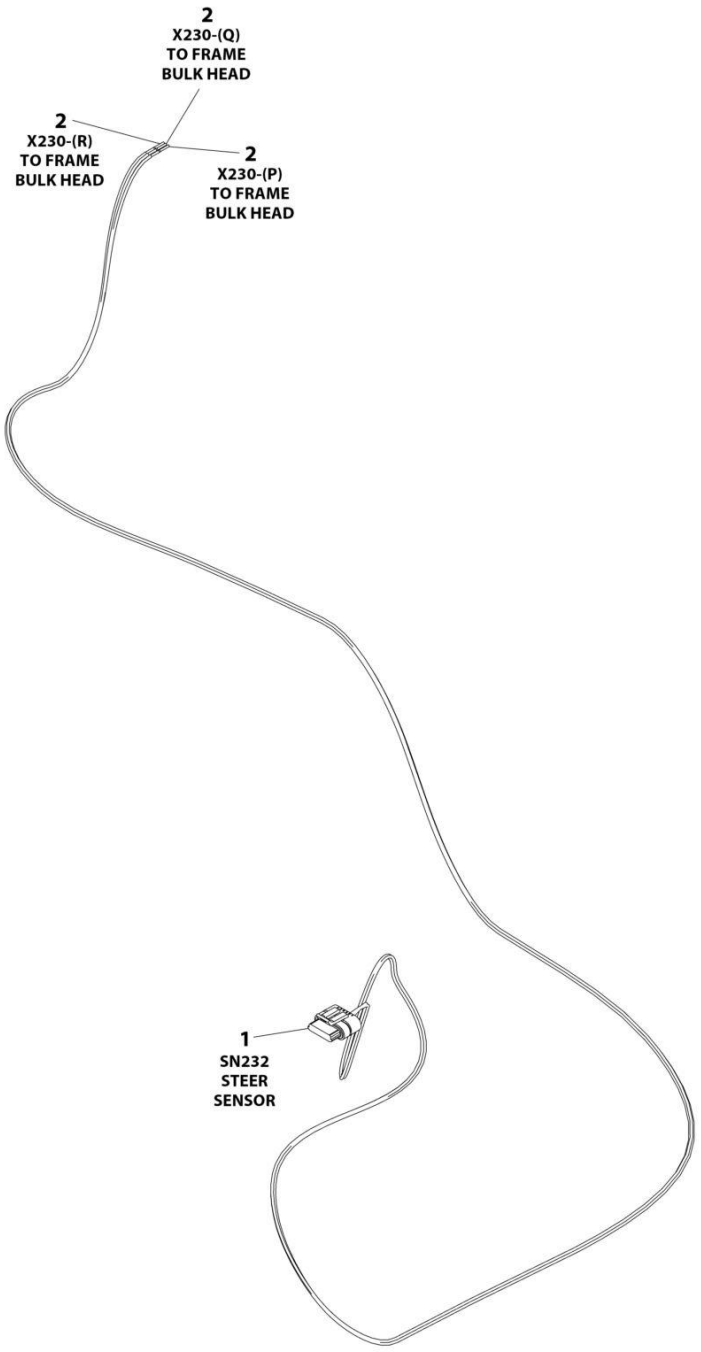


FIGURE 8-60. STEER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239268	Ref	STEER HARNESS	E
1	1001230931	1	Plug, Male - 6 Position	
1	1001116748	3	Terminal	
1	1001128128	3	Plug, Terminal	
2	4460465	3	Socket, Female	

FIGURE 8-61. STROBE LIGHT CONTROL HARNESS

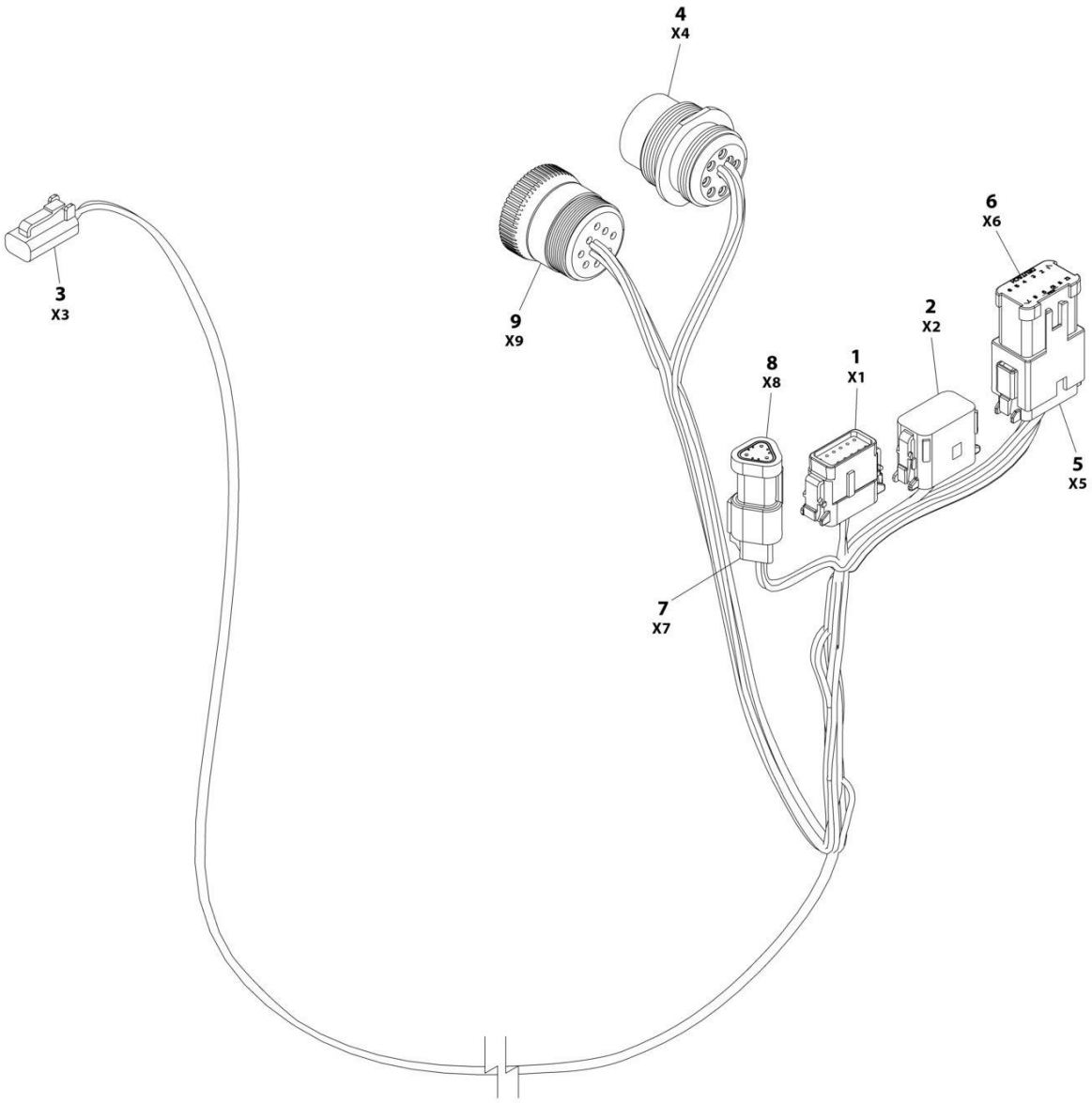


FIGURE 8-61. STROBE LIGHT CONTROL HARNESS

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 8-62. TELE PROXIMITY HARNESS

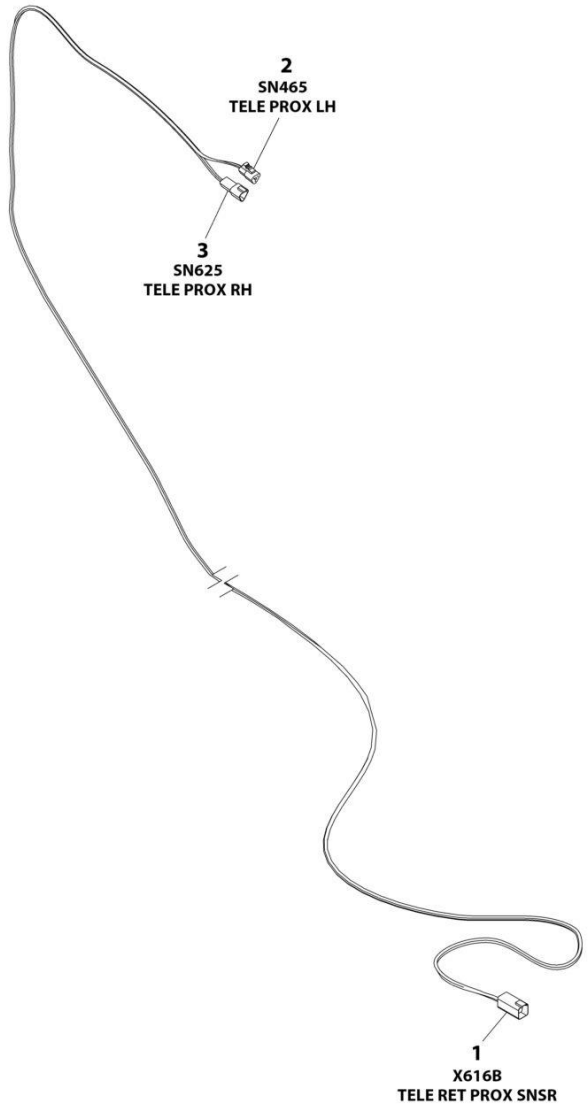


FIGURE 8-62. TELE PROXIMITY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189003	Ref	TELE PROXIMITY HARNESS	E
1	4460899	1	Receptacle, Female - 6 Position	
1	4460464	6	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	
3	4460536	1	Receptacle, Female - 3 Position	
3	4460464	3	Pin, Male	

FIGURE 8-63. TURNTABLE HARNESS

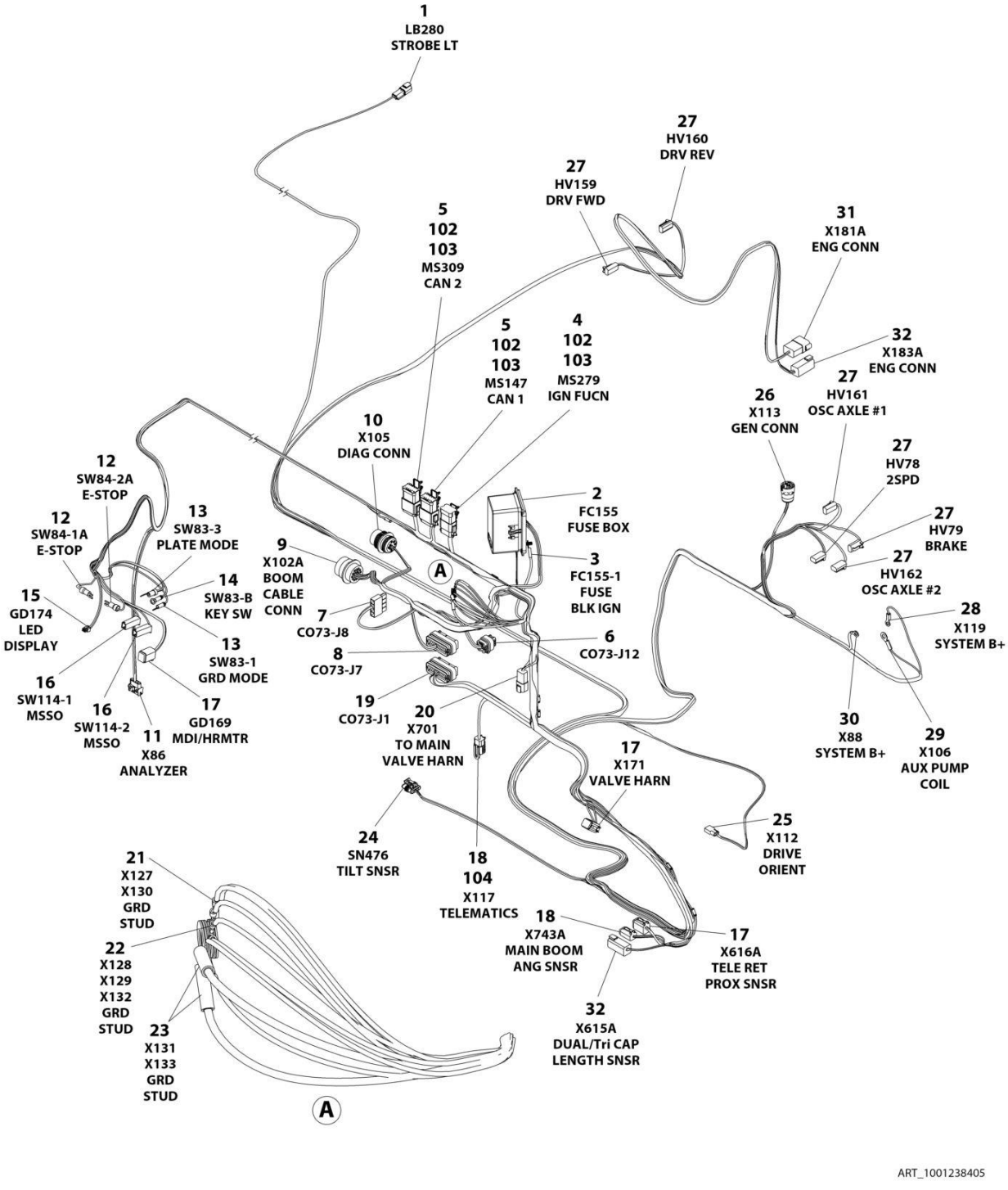


FIGURE 8-63. TURNTABLE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238405	Ref	TURNTABLE HARNESS	H
1	4460897	1	Receptacle, Female - 2 Position	
1	4460464	9	Pin, Male	
2	1001196602	1	Box, Fuse Less Fuses	
2	1001196604	1	Cover, Box	
2	1001190921	1	Spacer, Foam	
2	1001196634	2	Fuse 2 Amp	
2	8229242	7	Fuse 5 Amp	
2	8229244	2	Fuse 15Amp	
2	1001095704	2	Relay	
2	1001196636	2	Diode 1 Amp	
2	8220098	6	Terminal	
2	8220089	6	Seal, Terminal	
2	8220097	19	Terminal	
2	4460458	19	Seal, Terminal	
2	4460748	10	Plug, Terminal	
3	1001117106	1	Terminal, Ring	
4	4460933	1	Plug, Male - 12 Position	
4	4460465	8	Socket, Female	
4	4460466	4	Seal, Terminal	
5	4460933	2	Plug, Male - 12 Position	
5	4460465	16	Socket, Female	
5	4460466	8	Plug, Terminal	
6	1001113961	1	Connector - 8 Position	
6	4460871	5	Socket, Female	
6	4460905	3	Plug, Terminal	
7	4460878	1	Plug, Male - 4 Position	
7	4460887	2	Socket, Female	
8	4460873	1	Connector - 35 Position	
8	4460871	26	Socket, Female	
8	4460905	9	Plug, Terminal	
9	4460866	1	Connector - 19 Position	
9	4460464	10	Pin, Male	
9	4460508	2	Pin, Male	
9	4460466	7	Plug, Terminal	
10	1001112612	1	Connector - 9 Position	
10	4460464	5	Pin, Male	
10	4460466	4	Plug, Terminal	
11	1001119032	1	Receptacle, Female - 4 Position	
11	1001118378	4	Pin, Male	
12	4460183	2	Terminal, Ring	
13	4460042	2	Terminal, Ring	
14	4460247	1	Terminal, Ring	
15	1001237667	1	Plug, Male - 6 Position	
15	1001237668	5	Terminal	
16	4460260	2	Cover, Terminal	
16	4460259	2	Terminal	
17	4460894	3	Plug, Male - 6 Position	
17	4460465	13	Socket, Female	
17	4460466	5	Plug, Terminal	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	4460884	2	Plug, Male - 4 Position	
18	4460465	8	Socket, Female	
19	4460874	1	Connector - 35 Position	
19	4460871	21	Socket, Female	
19	4460905	14	Plug, Terminal	
20	4460932	1	Receptacle, Female - 4 Position	
20	4460464	4	Pin, Male	
21	1001187078	2	Terminal, Ring	
22	1001187077	3	Terminal, Ring	
23	1001117110	2	Terminal, Ring	
24	1001103012	1	Plug, Male - 4 Position	
24	1001107854	4	Terminal	
25	4460424	1	Receptacle, Female - 2 Position	
25	4460226	2	Socket, Female	
26	4460967	1	Plug, Male - 3 Position	
26	4460465	3	Socket, Female	
27	4460891	6	Plug, Male - 2 Position	
27	4460465	12	Socket, Female	
28	4460703	1	Terminal, Ring	
29	4460702	1	Terminal, Ring	
30	8220045	1	Terminal, Ring	
31	4460931	1	Receptacle, Female - 8 Position	
31	4460464	5	Pin, Male	
31	4460466	3	Socket, Female	
32	4460899	2	Receptacle, Female - 6 Position	
32	4460464	11	Pin, Male	
32	4460466	1	Seal, Terminal	
102	1001125677	3	Connector, Bussbar	
103	1001121172	3	Mount, Connector	
104	1001192401	1	Cap, Dust	

FIGURE 8-64. TURNTABLE AUXILIARY HARNESS

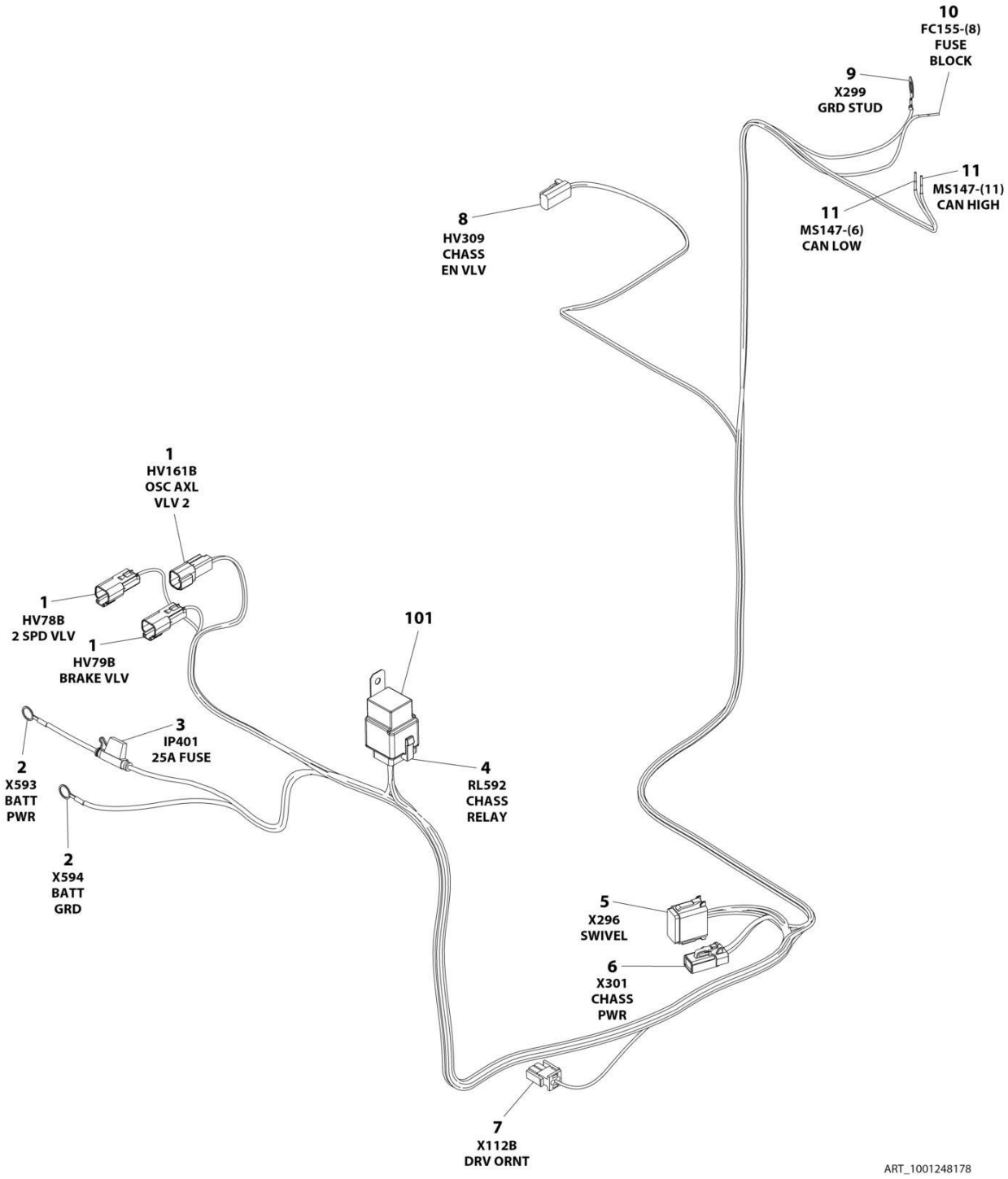


FIGURE 8-64. TURNTABLE AUXILIARY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248178	Ref	TURNTABLE AUXILIARY HARNESS	B
1	4460897	3	Receptacle, Female - 2 Position	
1	4460464	6	Pin, Male	
2	4460019	2	Terminal, Ring	
3	2400066	1	Fuseholder with Cover	
3		Ref	Fuse 25Amp	
4	4460374	1	Connector, Relay	
4	1001116734	2	Terminal	
4	1001116733	2	Terminal	
4	1001128128	1	Plug, Terminal	
5	4460836	1	Plug, Male - 12 Position	
5	4460465	5	Socket, Female	
5	4460466	7	Plug, Terminal	
6	4461018	1	Plug, Male - 2 Position	
6	1001150611	2	Terminal	
7	4460320	1	Plug, Male - 2 Position	
7	4460227	1	Terminal	
8	4460891	1	Plug, Male - 2 Position	
8	4460465	2	Socket, Female	
9	1001187077	1	Terminal, Ring	
10	8220097	1	Terminal	
10	4460458	1	Seal	
11	4460465	1	Socket, Female	
101	3740080	1	Relay	

FIGURE 8-65. VALVE HARNESS - MAIN CONTROL

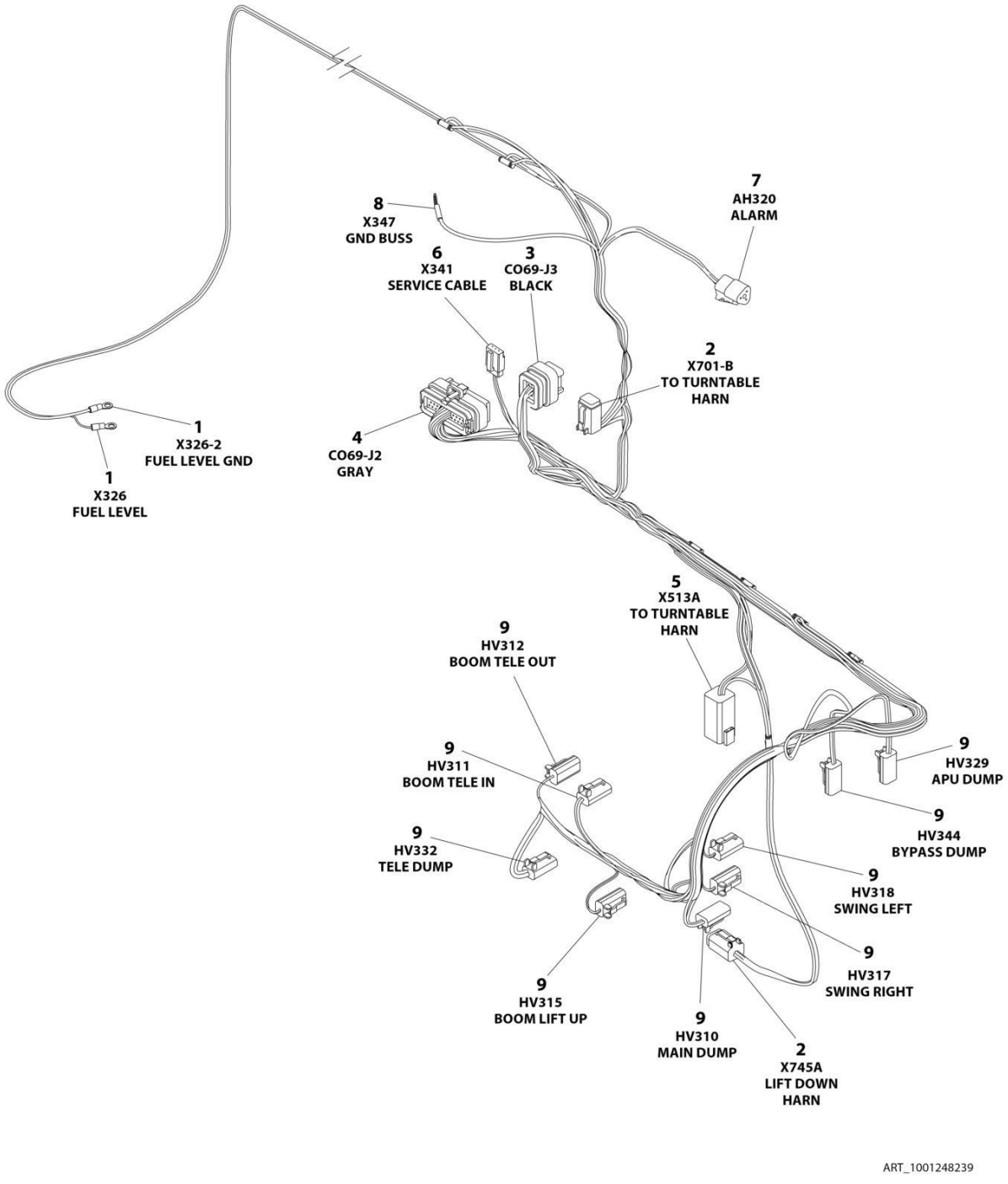


FIGURE 8-65. VALVE HARNESS - MAIN CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248239	Ref	MAIN VALVE HARNESS	B
1	4460313	2	Terminal, Ring	
2	4460884	2	Plug, Male - 4 Position	
2	4460465	8	Socket, Female	
3	4460872	1	Connector - 14 Position	
3	4460871	10	Socket, Female	
3	4460905	4	Plug, Terminal	
4	4460875	1	Connector - 35 Position	
4	4460871	21	Socket, Female	
4	4460905	14	Plug, Terminal	
5	4460899	1	Receptacle, Female - 6 Position	
5	4460464	6	Pin, Male	
6	4460911	1	Plug, Male - 3 Position	
6	1001116694	3	Socket, Female	
7	4460539	1	Plug, Male - 3 Position	
7	4460465	3	Socket, Female	
8	4460256	1	Terminal, Ring	
9	4460891	9	Plug, Male - 2 Position	
9	4460465	18	Socket, Female	

FIGURE 8-66. VALVE HARNESS - PLATFORM

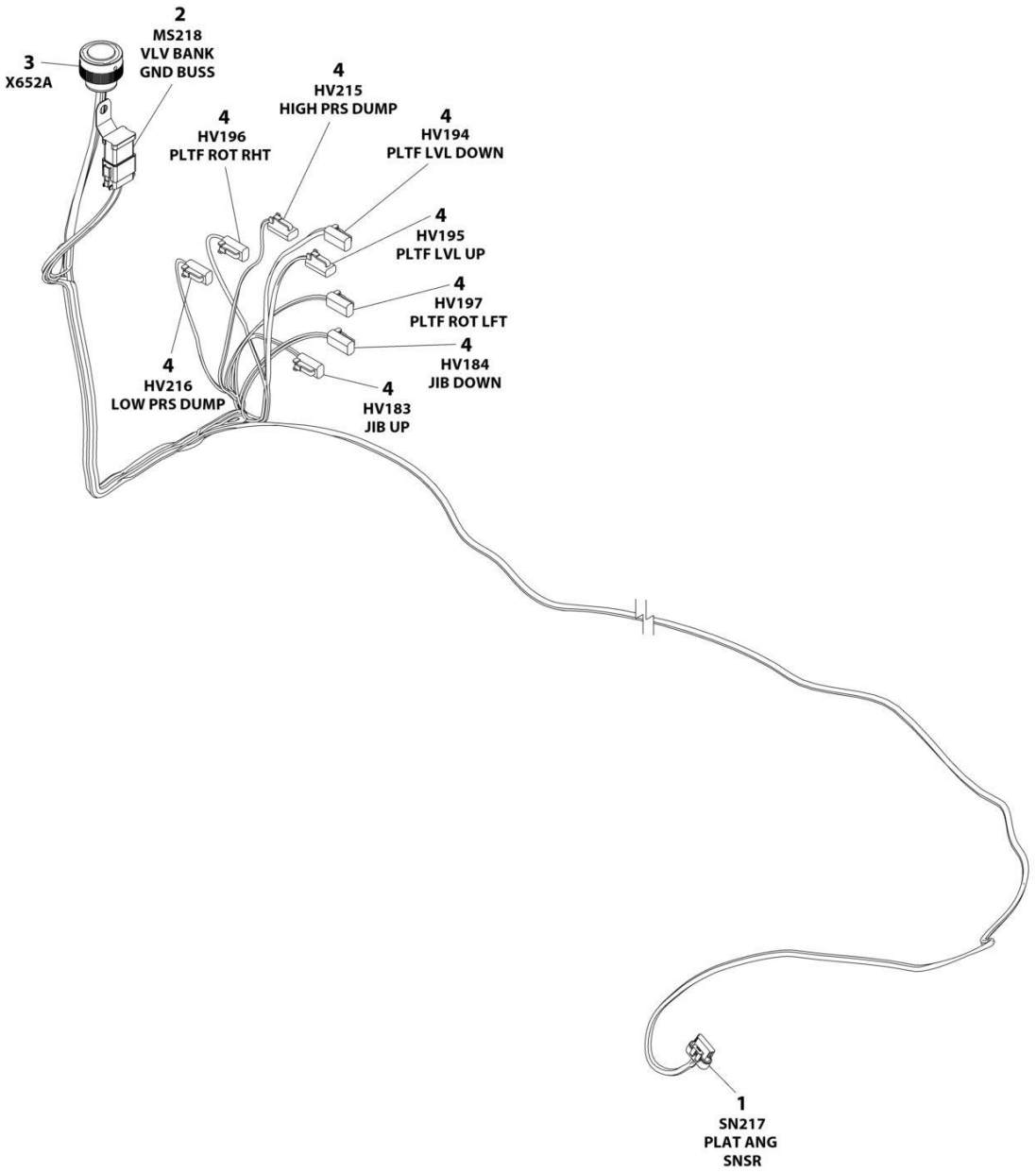


FIGURE 8-66. VALVE HARNESS - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264338	Ref	PLATFORM VALVE HARNESS	A
1	1001230931	1	Plug, Male - 6 Position	
1	1001116748	6	Terminal	
2	4460836	1	Plug, Male - 12 Position	
2	4460465	9	Socket, Female	
2	4460466	3	Plug, Terminal	
2	4460837	1	Connector, Bussbar	
2	1001120328	1	Clip, Mounting	
3	4460926	1	Connector - 21 Position	
3	4460928	15	Socket, Female	
3	4460518	6	Plug, Terminal	
4	4460891	8	Plug, Male - 2 Position	
4	4460465	16	Socket, Female	

FIGURE 8-67. WHITE NOISE ALARM HARNESS

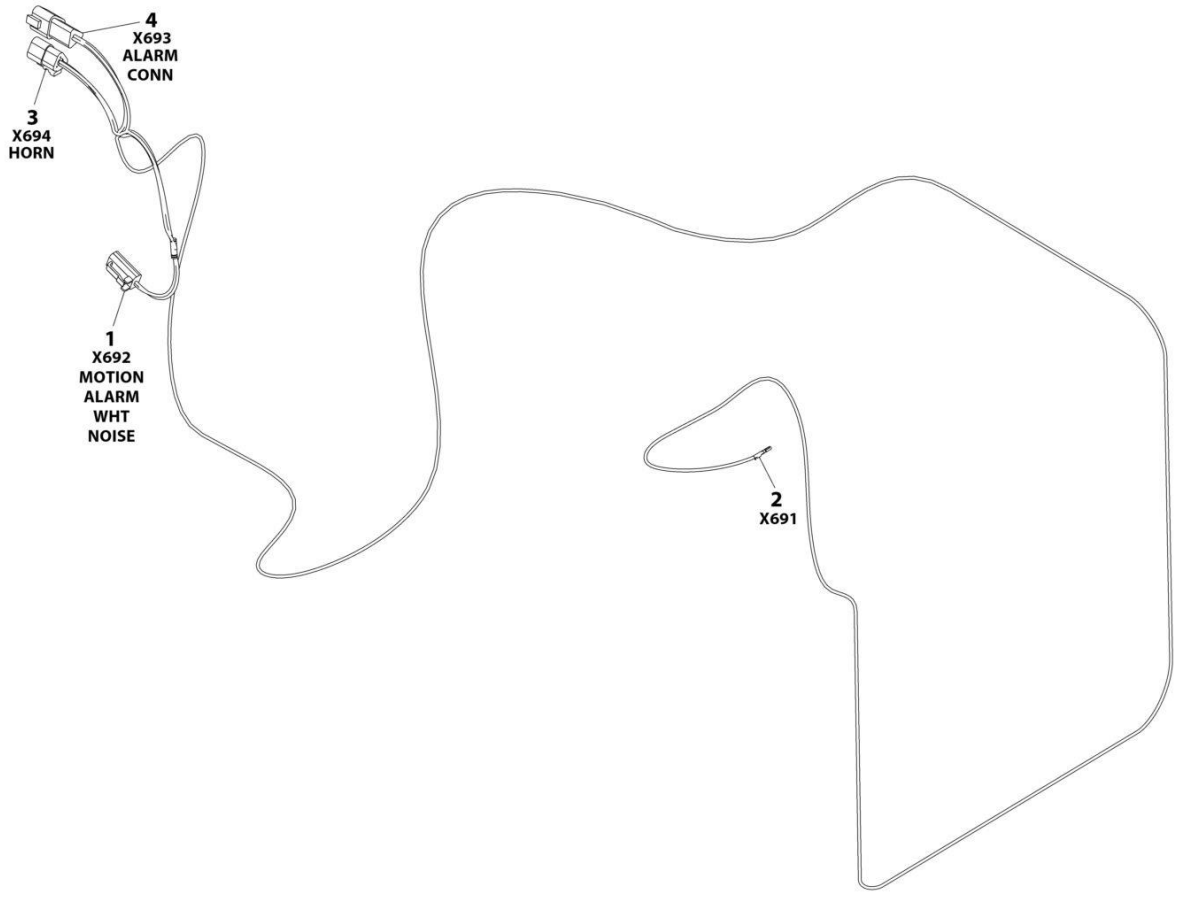


FIGURE 8-67. WHITE NOISE ALARM HARNESS

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 9 - DECALS

SECTION 9 - DECALS

FIGURE 9-1. DECAL INSTALLATION (ANSI SPECS - ENGLISH LANGUAGE)

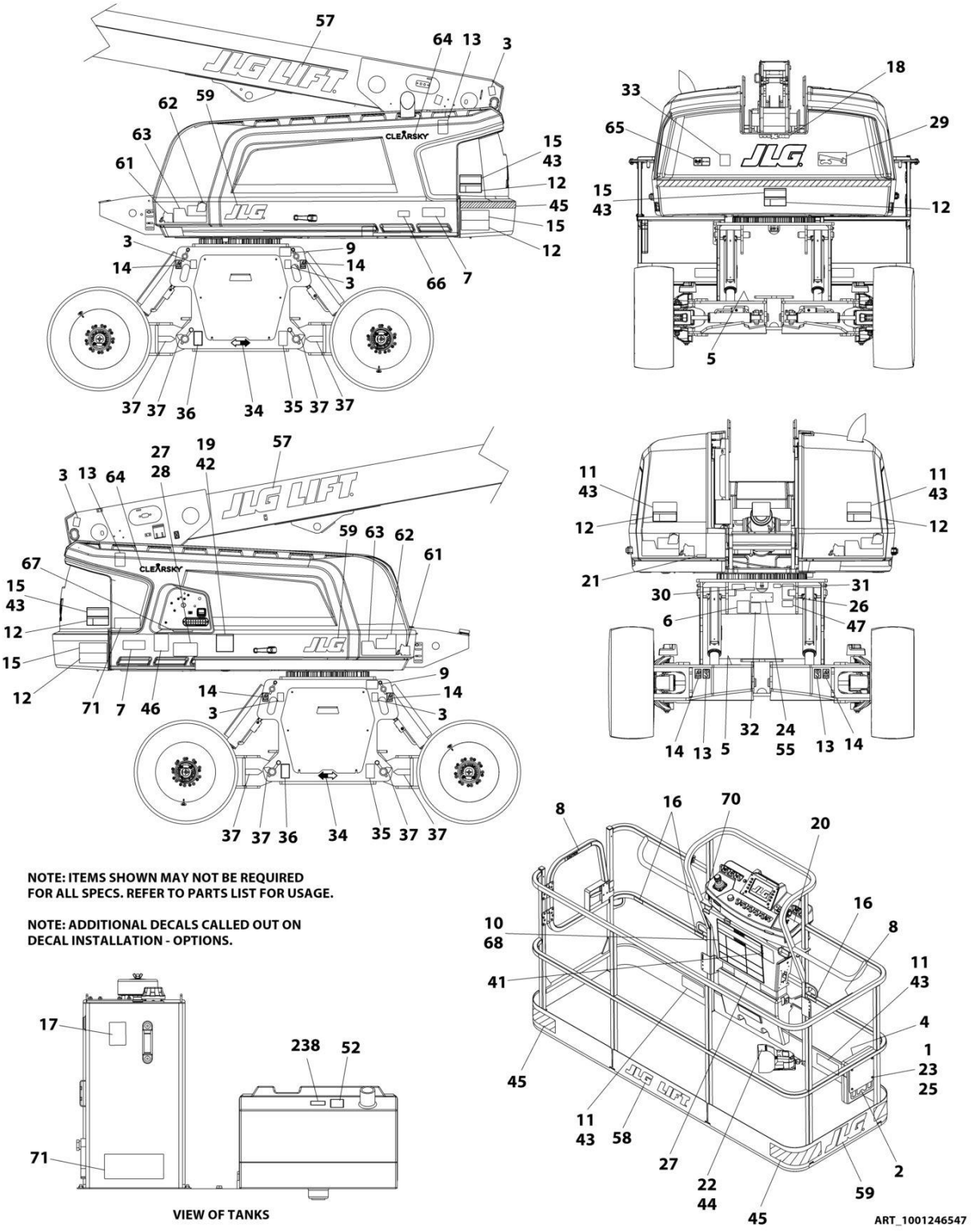


FIGURE 9-1. DECAL INSTALLATION (ANSI SPECS - ENGLISH LANGUAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246547	Ref	DECAL INSTALLATION	F
	1001246546	Ref	DECAL REFERENCE CHART	G
1	0700610	4	Bolt M6 x 20	
2	91403230	1	Box, Manual Storage	
3	1701499	6	Decal - No Tie Down/Lift	
4	1701509	1	Decal - Manual	
5	1701529	2	Decal - Arrow	
6	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
7	1001271526	2	Decal - 670SJ Self Leveling	
8	1702868	2	Decal - No Hands	
9	1001216060	2	Decal - Maximum Tire Load	
10	1001244726	1	Decal - Danger/Warning	
11	1703804	4	Decal - Warning/Crushing	
12	1703805	5	Decal - Electrocution	
13	1703811	4	Decal - Lifting Hug	
14	1702300	6	Decal -Tie Down	
15	1703953	3	Decal - Warning/Crushing	
16	1704277	3	Decal - Lanyard Attach	
17	1704412	1	Decal - Hydraulic Oil	
18	1704885	1	Decal - Website	
19	1705336	1	Decal - Danger/Warning	
20	1001244727	1	Decal - Drive/Steer Instruction	
21	3251243	1	Decal - 120V/60Hz	
22	3252347	1	Nameplate - Footswitch	
23	3290605	4	Nut M6	
24	2080057	2	Fastener	
25	4811700	8	Washer M6	
26	1001131269	1	Decal - Patent	
27	1001255220	1	Decal - Warning Dual Capacity	
28	1001255221	1	Decal - Warning Dual Capacity	
29	1001262643	1	Decal - Lift Diagram	
30	1705514	AR	Decal - CSA	
31	1001223453	1	Decal - ICES (Canada)	
32	1001223055	1	Decal - Yearly Inspection	
34	1703687	2	Decal - Arrow	
35	1001244728	2	Decal - Foot Crushing	
36	1001244729	2	Decal - Shipping Mode	
37	1001289794	8	Decal - Warning Arrow	
45	4420051	208 in /5.3m	Tape, Safety	
71	1001258434	2	Decal - Control Panel	

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FIGURE 9-2. DECAL INSTALLATION (BRAZIL SPECS - PORTUGUESE/SPANISH LANGUAGES)

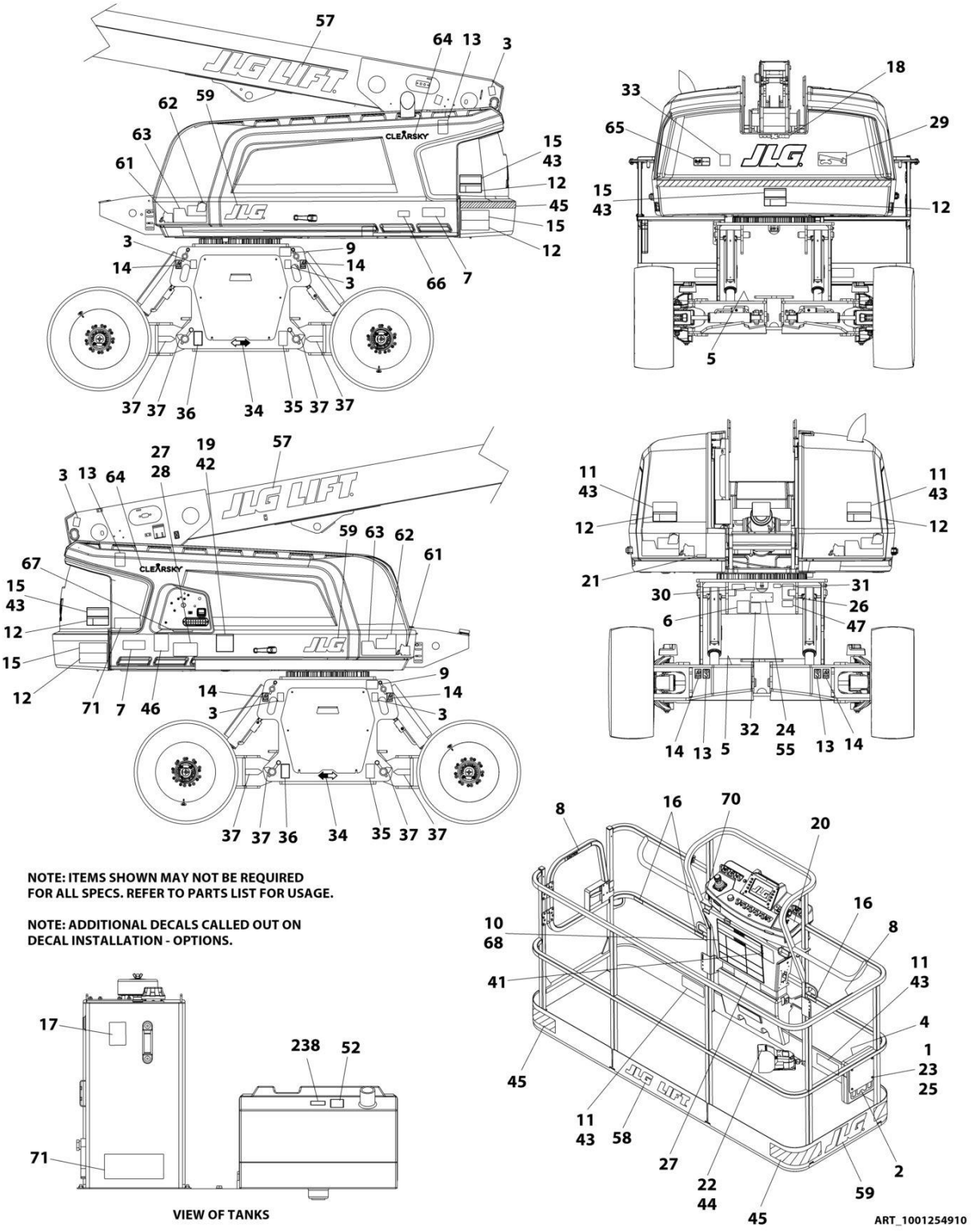


FIGURE 9-2. DECAL INSTALLATION (BRAZIL SPECS - PORTUGUESE/SPANISH LANGUAGES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254910	Ref	DECAL INSTALLATION	B
	1001246546	Ref	DECAL REFERENCE CHART	G
1	0700610	4	Bolt M6 x 20	
2	91403230	1	Box, Manual Storage	
3	1701499	6	Decal - No Tie Down/Lift	
4	1701509	1	Decal - Manual	
5	1701529	2	Decal - Arrow	
6	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
7	1001271526	2	Decal - 670SJ Self Leveling	
8	1704002	2	Decal - No Hands	
9	1001216060	2	Decal - Maximum Tire Load	
10	1001270726	1	Decal - Danger/Warning	
11	1703952	4	Decal - Warning/Crushing	
12	1703940	5	Decal - Electrocution	
13	1703811	4	Decal - Lifting Hug	
14	1702300	6	Decal -Tie Down	
15	1703946	3	Decal - Warning/Crushing	
16	1704277	3	Decal - Lanyard Attach	
17	1704412	1	Decal - Hydraulic Oil	
18	1704885	1	Decal - Website	
19	1705349	1	Decal - Danger/Warning	
20	1001270280	1	Decal - Drive/Steer Instruction	
21	3251243	1	Decal - 120V/60Hz	
22	1703985	1	Nameplate - Footswitch	
23	3290605	4	Nut M6	
24	2080057	2	Fastener	
25	4811700	8	Washer M6	
26	1001131269	1	Decal - Patent	
27	1001255230	1	Decal - Warning Dual Capacity	
28	1001255231	1	Decal - Warning Dual Capacity	
29	1001262643	1	Decal - Lift Diagram	
32	1001224052	1	Decal - Yearly Inspection	
34	1703687	2	Decal - Arrow	
35	1001244728	2	Decal - Foot Crushing	
36	1001244729	2	Decal - Shipping Mode	
37	1001289794	8	Decal - Warning Arrow	
45	4420051	208 in /5.3m	Tape, Safety	
71	1001258434	2	Decal - Control Panel	

SECTION 9 - DECALS

FIGURE 9-3. DECAL INSTALLATION (CHINA SPECS - CHINESE/ENGLISH LANGUAGES) (SIMPLIFIED)

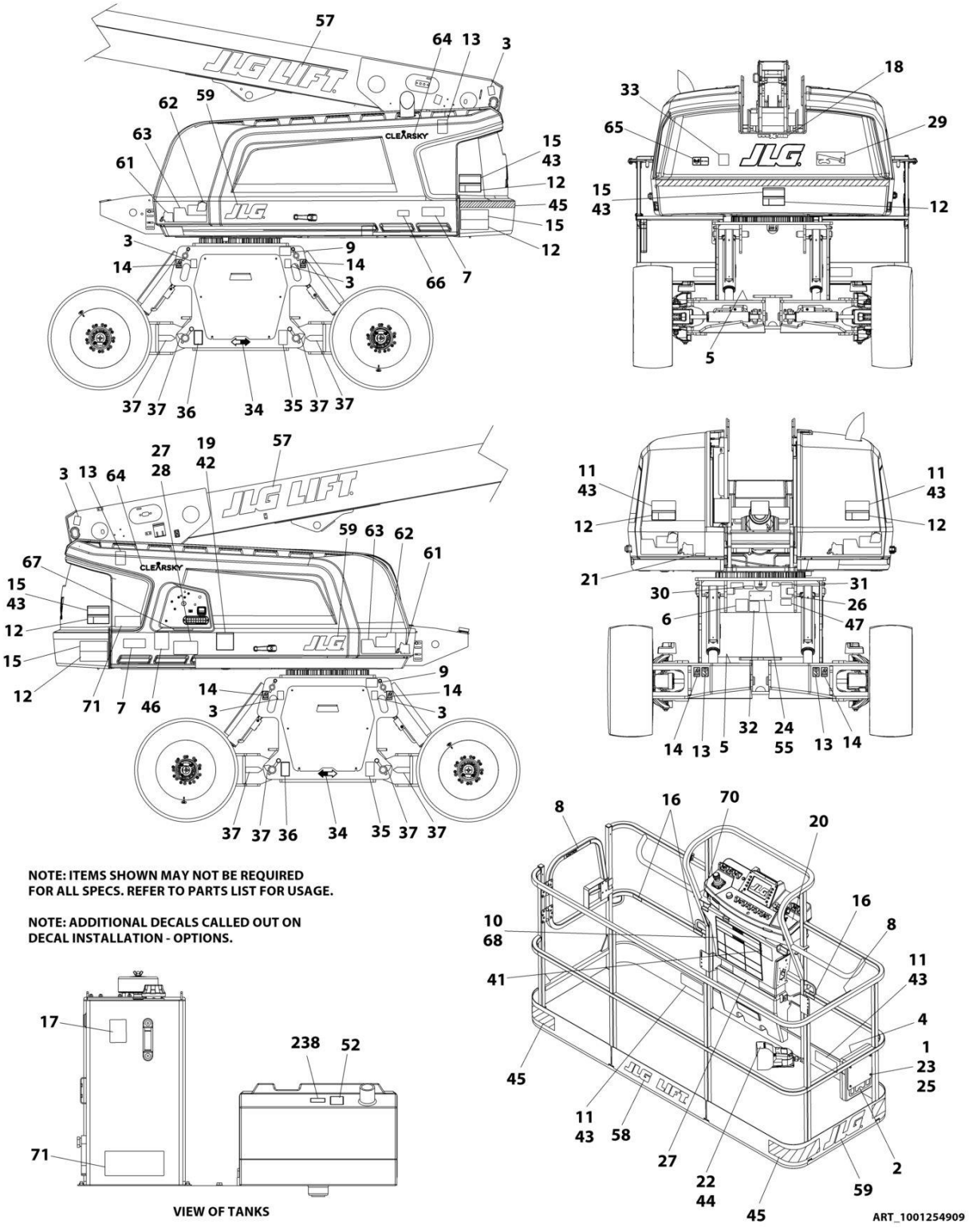


FIGURE 9-3. DECAL INSTALLATION (CHINA SPECS - CHINESE/ENGLISH LANGUAGES) (SIMPLIFIED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254909	Ref	DECAL INSTALLATION	B
	1001246546	Ref	DECAL REFERENCE CHART	G
1	0700610	4	Bolt M6 x 20	
2	91403230	1	Box, Manual Storage	
3	1701499	6	Decal - No Tie Down/Lift	
4	1701509	1	Decal - Manual	
5	1701529	2	Decal - Arrow	
6	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
7	1001271526	2	Decal - 670SJ Self Leveling	
8	1705968	2	Decal - No Hands	
9	1001216060	2	Decal - Maximum Tire Load	
10	1001270725	1	Decal - Danger/Warning	
11	1001116850	4	Decal - Warning/Crushing	
12	1703937	5	Decal - Electrocution	
13	1703811	4	Decal - Lifting Hug	
14	1702300	6	Decal -Tie Down	
15	1001116845	3	Decal - Warning/Crushing	
16	1704277	3	Decal - Lanyard Attach	
17	1704412	1	Decal - Hydraulic Oil	
18	1704885	1	Decal - Website	
19	1001116848	1	Decal - Danger/Warning	
20	1001270279	1	Decal - Drive/Steer Instruction	
21	3251243	1	Decal - 120V/60Hz	
22	1001116852	1	Nameplate - Footswitch	
23	3290605	4	Nut M6	
24	2080057	2	Fastener	
25	4811700	8	Washer M6	
26	1001131269	1	Decal - Patent	
27	1001255228	1	Decal - Warning Dual Capacity	
28	1001255229	1	Decal - Warning Dual Capacity	
29	1001262643	1	Decal - Lift Diagram	
32	1001224051	1	Decal - Yearly Inspection	
34	1703687	2	Decal - Arrow	
35	1001244728	2	Decal - Foot Crushing	
36	1001244729	2	Decal - Shipping Mode	
37	1001289794	8	Decal - Warning Arrow	
45	4420051	208 in /5.3m	Tape, Safety	
71	1001258434	2	Decal - Control Panel	

SECTION 9 - DECALS

FIGURE 9-4. DECAL INSTALLATION (CHINA SPECS - CHINESE/ENGLISH LANGUAGES) (TRADITIONAL)

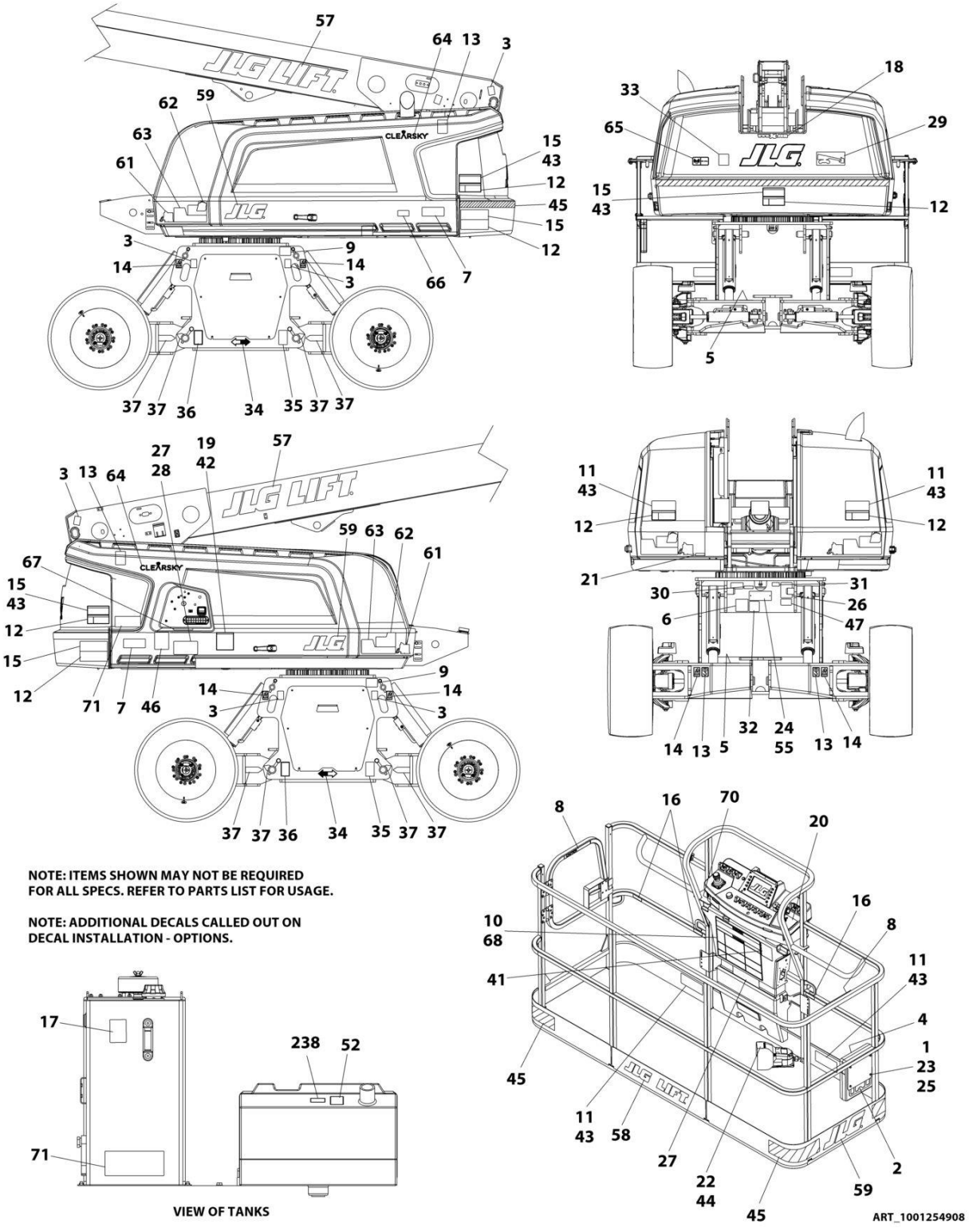


FIGURE 9-4. DECAL INSTALLATION (CHINA SPECS - CHINESE/ENGLISH LANGUAGES) (TRADITIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254908	Ref	DECAL INSTALLATION	B
	1001246546	Ref	DECAL REFERENCE CHART	G
1	0700610	4	Bolt M6 x 20	
2	91403230	1	Box, Manual Storage	
3	1701499	6	Decal - No Tie Down/Lift	
4	1701509	1	Decal - Manual	
5	1701529	2	Decal - Arrow	
6	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
7	1001271526	2	Decal - 670SJ Self Leveling	
8	1001116846	2	Decal - No Hands	
9	1001216060	2	Decal - Maximum Tire Load	
10	1001270724	1	Decal - Danger/Warning	
11	1703949	4	Decal - Warning/Crushing	
12	1001116851	5	Decal - Electrocution	
13	1703811	4	Decal - Lifting Hug	
14	1702300	6	Decal -Tie Down	
15	1703943	3	Decal - Warning/Crushing	
16	1704277	3	Decal - Lanyard Attach	
17	1704412	1	Decal - Hydraulic Oil	
18	1704885	1	Decal - Website	
19	1001116849	1	Decal - Danger/Warning	
20	1001270278	1	Decal - Drive/Steer Instruction	
21	3251243	1	Decal - 120V/60Hz	
22	1703982	1	Nameplate - Footswitch	
23	3290605	4	Nut M6	
24	2080057	2	Fastener	
25	4811700	8	Washer M6	
26	1001131269	1	Decal - Patent	
27	1001255226	1	Decal - Warning Dual Capacity	
28	1001255227	1	Decal - Warning Dual Capacity	
29	1001262643	1	Decal - Lift Diagram	
32	1001224050	1	Decal - Yearly Inspection	
34	1703687	2	Decal - Arrow	
35	1001244728	2	Decal - Foot Crushing	
36	1001244729	2	Decal - Shipping Mode	
37	1001289794	8	Decal - Warning Arrow	
45	4420051	208 in /5.3m	Tape, Safety	
71	1001258434	2	Decal - Control Panel	

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FIGURE 9-5. DECAL INSTALLATION (CSA SPECS - FRENCH/ENGLISH LANGUAGES)

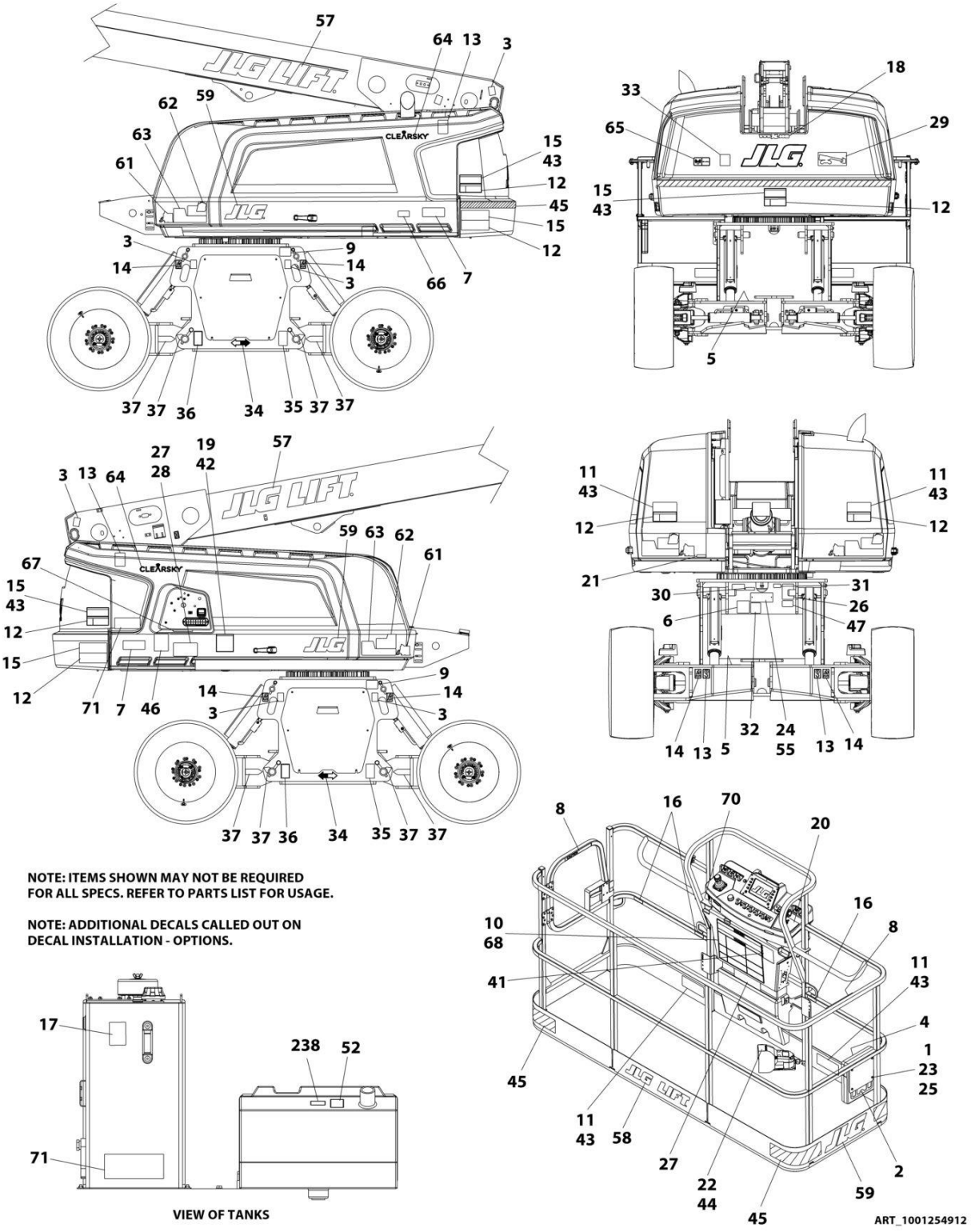


FIGURE 9-5. DECAL INSTALLATION (CSA SPECS - FRENCH/ENGLISH LANGUAGES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254912	Ref	DECAL INSTALLATION	C
	1001246546	Ref	DECAL REFERENCE CHART	G
1	0700610	4	Bolt M6 x 20	
2	91403230	1	Box, Manual Storage	
3	1701499	6	Decal - No Tie Down/Lift	
4	1701509	1	Decal - Manual	
5	1701529	2	Decal - Arrow	
6	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
7	1001271526	2	Decal - 670SJ Self Leveling	
8	1704000	2	Decal - No Hands	
9	1001216060	2	Decal - Maximum Tire Load	
10	1001270728	1	Decal - Danger/Warning	
11	1703948	4	Decal - Warning/Crushing	
12	1703936	5	Decal - Electrocution	
13	1703811	4	Decal - Lifting Hug	
14	1702300	6	Decal -Tie Down	
15	1703942	3	Decal - Warning/Crushing	
16	1704277	3	Decal - Lanyard Attach	
17	1704412	1	Decal - Hydraulic Oil	
18	1704885	1	Decal - Website	
19	1705347	1	Decal - Danger/Warning	
20	1001270282	1	Decal - Drive/Steer Instruction	
21	3251243	1	Decal - 120V/60Hz	
22	1703984	1	Nameplate - Footswitch	
23	3290605	4	Nut M6	
24	2080057	2	Fastener	
25	4811700	8	Washer M6	
26	1001131269	1	Decal - Patent	
27	1001255222	1	Decal - Warning Dual Capacity	
28	1001255223	1	Decal - Warning Dual Capacity	
29	1001262643	1	Decal - Lift Diagram	
30	1705514	AR	Decal - CSA	
31	1001223453	1	Decal - ICES (Canada)	
32	1001223971	1	Decal - Yearly Inspection	
34	1703687	2	Decal - Arrow	
35	1001244728	2	Decal - Foot Crushing	
36	1001244729	2	Decal - Shipping Mode	
37	1001289794	8	Decal - Warning Arrow	
45	4420051	208 in /5.3m	Tape, Safety	
71	1001258434	2	Decal - Control Panel	

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FIGURE 9-6. DECAL INSTALLATION (JAPANESE SPECS - JAPANESE/ENGLISH LANGUAGES)

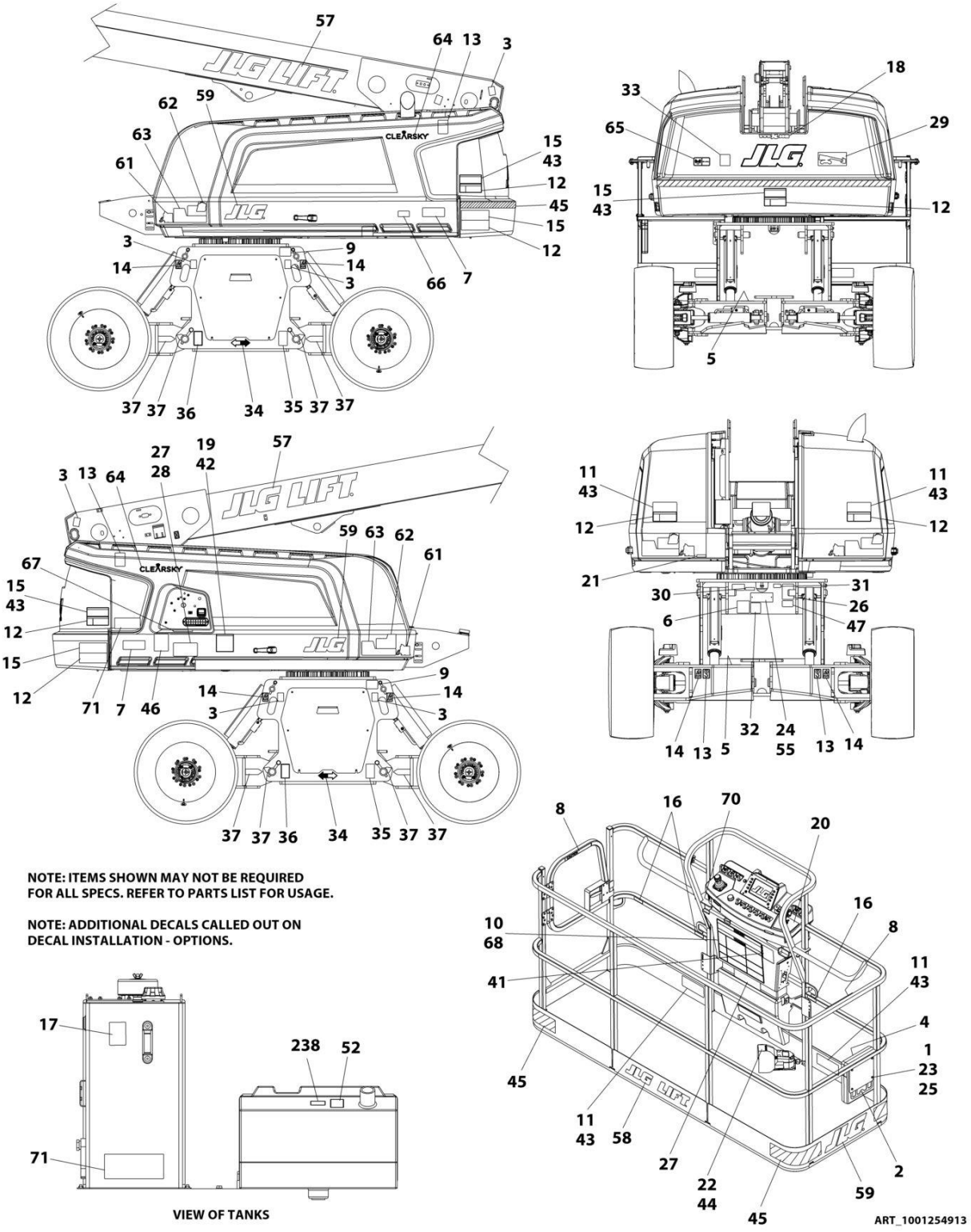


FIGURE 9-6. DECAL INSTALLATION (JAPANESE SPECS - JAPANESE/ENGLISH LANGUAGES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254913	Ref	DECAL INSTALLATION	B
	1001246546	Ref	DECAL REFERENCE CHART	G
1	0700610	4	Bolt M6 x 20	
2	91403230	1	Box, Manual Storage	
3	1701499	6	Decal - No Tie Down/Lift	
4	1701509	1	Decal - Manual	
5	1701529	2	Decal - Arrow	
6	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
7	1001271526	2	Decal - 670SJ Self Leveling	
9	1001216060	2	Decal - Maximum Tire Load	
10	1001270729	1	Decal - Danger/Warning	
11	1703950	4	Decal - Warning/Crushing	
12	1703938	5	Decal - Electrocution	
13	1703811	4	Decal - Lifting Hug	
14	1702300	6	Decal -Tie Down	
15	1703944	3	Decal - Warning/Crushing	
16	1704277	3	Decal - Lanyard Attach	
17	1704412	1	Decal - Hydraulic Oil	
18	1704885	1	Decal - Website	
19	1705344	1	Decal - Danger/Warning	
20	1001270283	1	Decal - Drive/Steer Instruction	
21	3251243	1	Decal - 120V/60Hz	
22	1703980	1	Nameplate - Footswitch	
23	3290605	4	Nut M6	
24	2080057	2	Fastener	
25	4811700	8	Washer M6	
26	1001131269	1	Decal - Patent	
27	1001255234	1	Decal - Warning Dual Capacity	
28	1001255235	1	Decal - Warning Dual Capacity	
29	1001262643	1	Decal - Lift Diagram	
32	1001224053	1	Decal - Yearly Inspection	
34	1703687	2	Decal - Arrow	
35	1001244728	2	Decal - Foot Crushing	
36	1001244729	2	Decal - Shipping Mode	
37	1001289794	8	Decal - Warning Arrow	
45	4420051	208 in /5.3m	Tape, Safety	
71	1001258434	2	Decal - Control Panel	

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FIGURE 9-7. DECAL INSTALLATION (KOREAN SPECS - KOREAN/ENGLISH LANGUAGES)

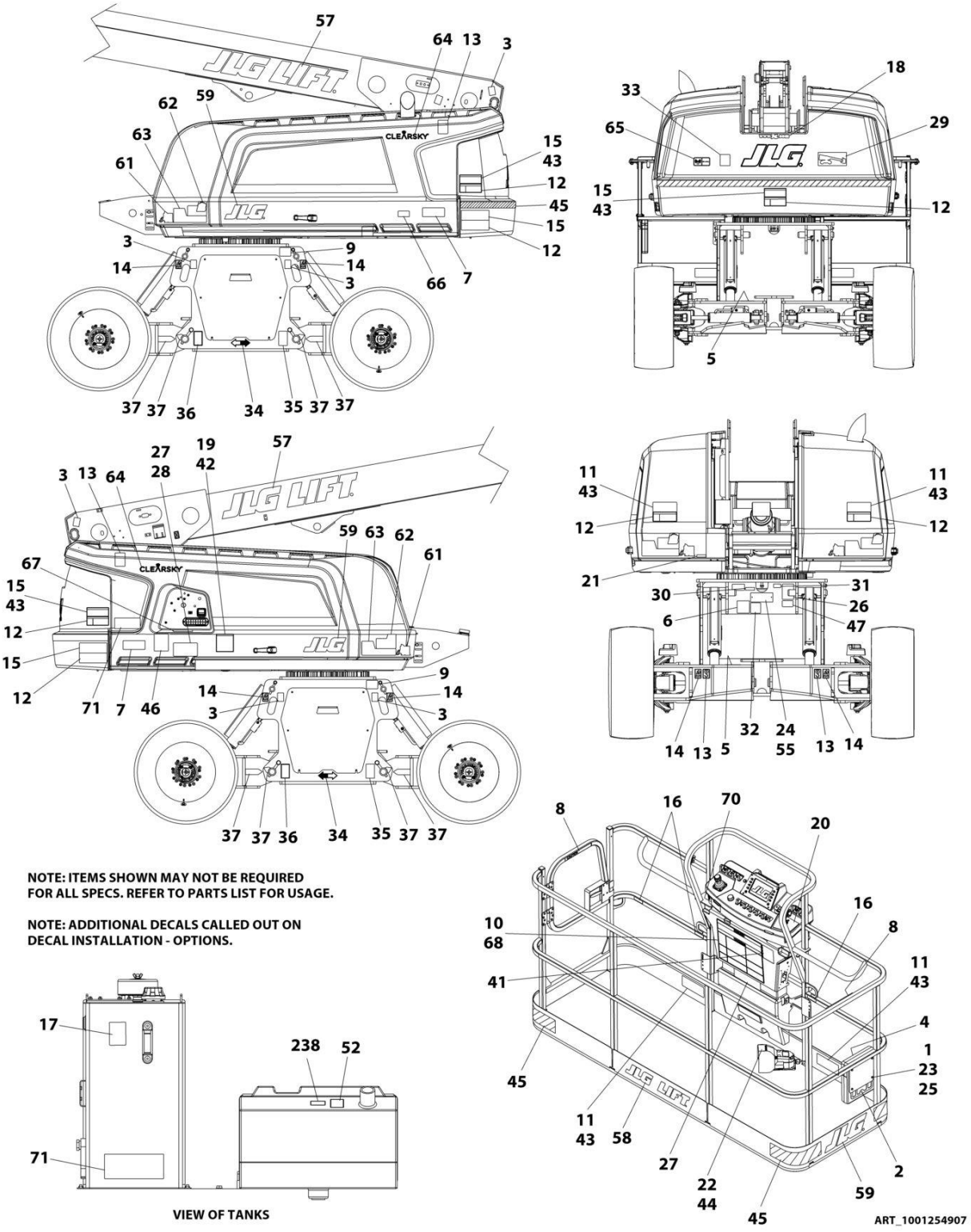


FIGURE 9-7. DECAL INSTALLATION (KOREAN SPECS - KOREAN/ENGLISH LANGUAGES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254907	Ref	DECAL INSTALLATION	B
	1001246546	Ref	DECAL REFERENCE CHART	G
1	0700610	4	Bolt M6 x 20	
2	91403230	1	Box, Manual Storage	
3	1701499	6	Decal - No Tie Down/Lift	
4	1701509	1	Decal - Manual	
5	1701529	2	Decal - Arrow	
6	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
7	1001271526	2	Decal - 670SJ Self Leveling	
8	1705969	2	Decal - No Hands	
9	1001216060	2	Decal - Maximum Tire Load	
10	1001270723	1	Decal - Danger/Warning	
11	1703951	4	Decal - Warning/Crushing	
12	1703939	5	Decal - Electrocution	
13	1703811	4	Decal - Lifting Hug	
14	1702300	6	Decal -Tie Down	
15	1703945	3	Decal - Warning/Crushing	
16	1704277	3	Decal - Lanyard Attach	
17	1704412	1	Decal - Hydraulic Oil	
18	1704885	1	Decal - Website	
19	1705345	1	Decal - Danger/Warning	
20	1001270277	1	Decal - Drive/Steer Instruction	
22	1703981	1	Nameplate - Footswitch	
23	3290605	4	Nut M6	
24	2080057	2	Fastener	
25	4811700	8	Washer M6	
26	1001131269	1	Decal - Patent	
27	1001255224	1	Decal - Warning Dual Capacity	
28	1001255225	1	Decal - Warning Dual Capacity	
29	1001262643	1	Decal - Lift Diagram	
32	1001224048	1	Decal - Yearly Inspection	
34	1703687	2	Decal - Arrow	
35	1001244728	2	Decal - Foot Crushing	
36	1001244729	2	Decal - Shipping Mode	
37	1001289794	8	Decal - Warning Arrow	
45	4420051	208 in /5.3m	Tape, Safety	
71	1001258434	2	Decal - Control Panel	

SECTION 9 - DECALS

FIGURE 9-8. DECAL INSTALLATION (LATIN AMERICAN SPECS - SPANISH/ENGLISH LANGUAGES)

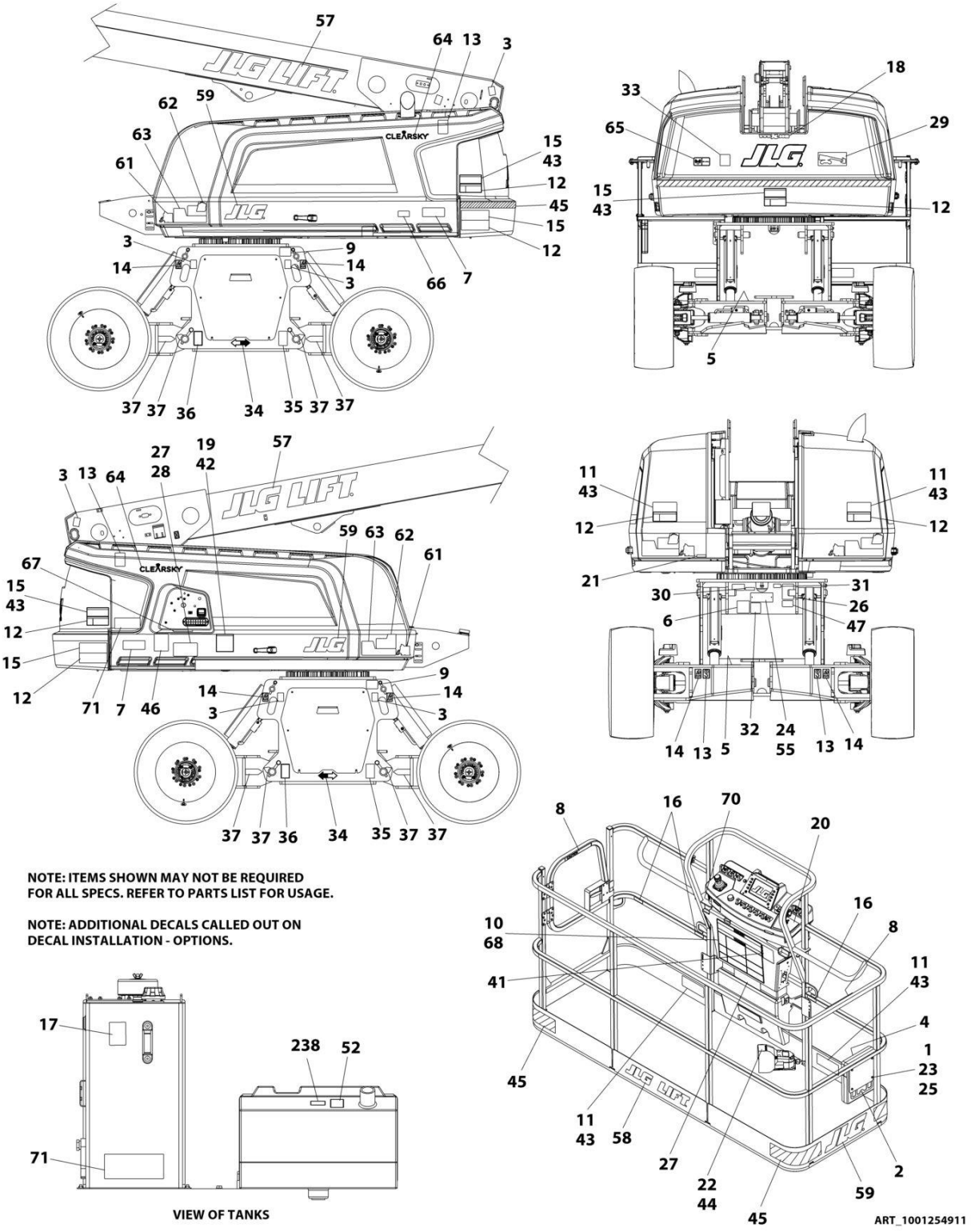


FIGURE 9-8. DECAL INSTALLATION (LATIN AMERICAN SPECS - SPANISH/ENGLISH LANGUAGES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254911	Ref	DECAL INSTALLATION	B
	1001246546	Ref	DECAL REFERENCE CHART	G
1	0700610	4	Bolt M6 x 20	
2	91403230	1	Box, Manual Storage	
3	1701499	6	Decal - No Tie Down/Lift	
4	1701509	1	Decal - Manual	
5	1701529	2	Decal - Arrow	
6	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
7	1001271526	2	Decal - 670SJ Self Leveling	
8	1704001	2	Decal - No Hands	
9	1001216060	2	Decal - Maximum Tire Load	
10	1001270727	1	Decal - Danger/Warning	
11	1703947	4	Decal - Warning/Crushing	
12	1703935	5	Decal - Electrocution	
13	1703811	4	Decal - Lifting Hug	
14	1702300	6	Decal -Tie Down	
15	1703941	3	Decal - Warning/Crushing	
16	1704277	3	Decal - Lanyard Attach	
17	1704412	1	Decal - Hydraulic Oil	
18	1704885	1	Decal - Website	
19	1705917	1	Decal - Danger/Warning	
20	1001270281	1	Decal - Drive/Steer Instruction	
21	3251243	1	Decal - 120V/60Hz	
22	1703983	1	Nameplate - Footswitch	
23	3290605	4	Nut M6	
24	2080057	2	Fastener	
25	4811700	8	Washer M6	
26	1001131269	1	Decal - Patent	
27	1001255232	1	Decal - Warning Dual Capacity	
28	1001255233	1	Decal - Warning Dual Capacity	
29	1001262643	1	Decal - Lift Diagram	
32	1001224049	1	Decal - Yearly Inspection	
34	1703687	2	Decal - Arrow	
35	1001244728	2	Decal - Foot Crushing	
36	1001244729	2	Decal - Shipping Mode	
37	1001289794	8	Decal - Warning Arrow	
45	4420051	208 in /5.3m	Tape, Safety	
71	1001258434	2	Decal - Control Panel	

SECTION 9 - DECALS

FIGURE 9-9. DECAL INSTALLATION (AUSTRALIAN SPECS - ENGLISH LANGUAGE)

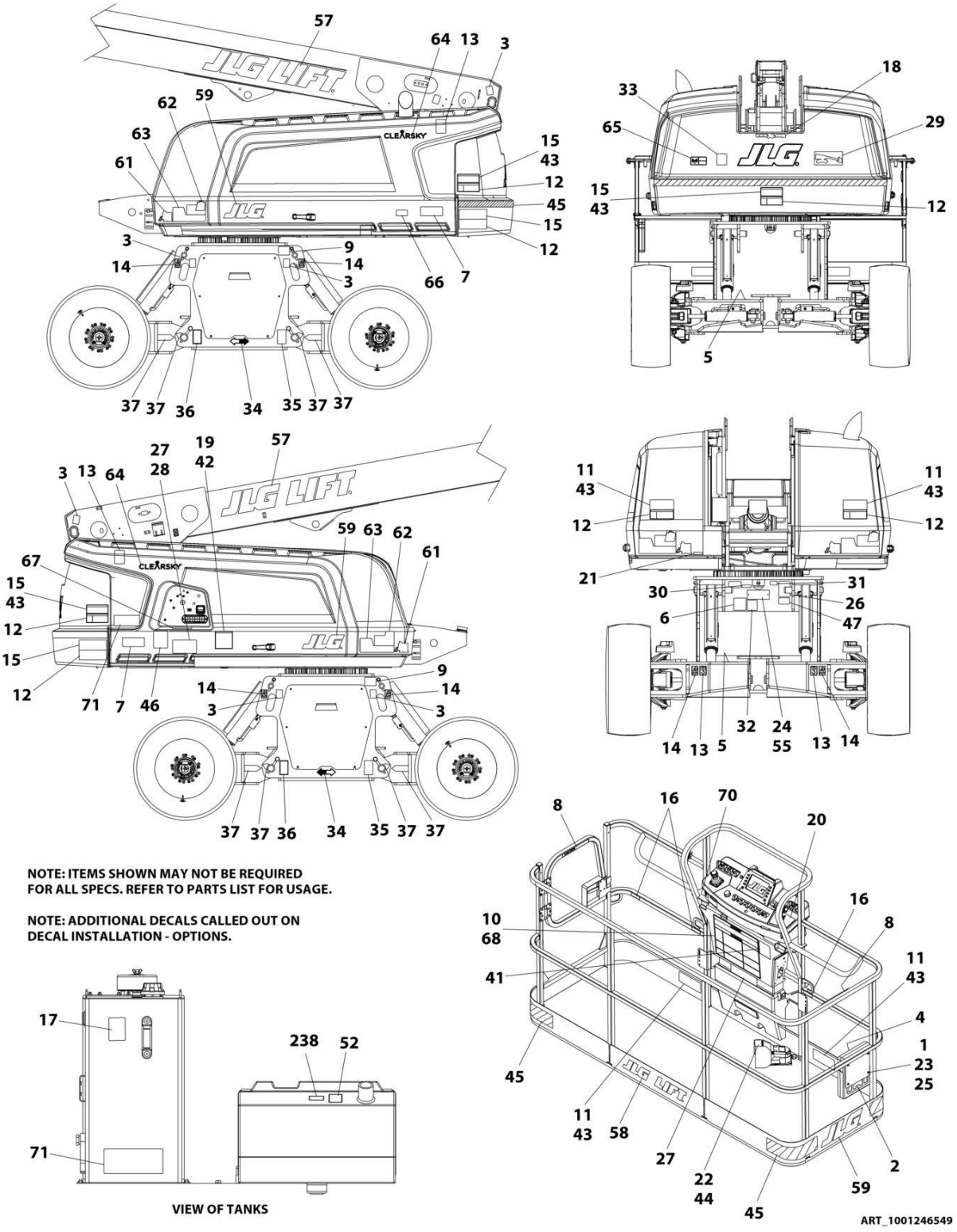


FIGURE 9-9. DECAL INSTALLATION (AUSTRALIAN SPECS - ENGLISH LANGUAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246549	Ref	DECAL INSTALLATION	E
	1001246546	Ref	DECAL REFERENCE CHART	G
1	0700610	4	Bolt M6 x 20	
2	91403230	1	Box, Manual Storage	
3	1701499	6	Decal - No Tie Down/Lift	
4	1701509	1	Decal - Manual	
5	1701529	2	Decal - Arrow	
6	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
7	1001271526	2	Decal - 670SJ Self Leveling	
9	1001216060	2	Decal - Maximum Tire Load	
12	1705961	1	Decal - Electrocution	
13	1703811	4	Decal - Lifting Lug	
14	1702300	6	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1704412	1	Decal - Hydraulic Oil	
18	1704885	1	Decal - Website	
23	3290605	4	Nut M6	
24	2080057	2	Fastener	
25	4811700	8	Washer M6	
27	1001194236	2	Decal - Capacity	
29	1001262643	1	Decal - Lift Diagram	
34	1703687	2	Decal - Arrow	
35	1001244728	2	Decal - Foot Crushing	
36	1001244729	2	Decal - Shipping Mode	
37	1001289794	8	Decal - Warning Arrow	
41	1001244796	1	Decal - Tipping/Electrocution	
42	1705822	1	Decal - Electrocution/Safety Manual	
43	1701518	7	Decal - Crushing	
44	1705828	1	Nameplate - Footswitch	
45	4420051	208 in /5.3m	Tape, Safety	
46	1001112551	1	Decal - Emergency Controls	
47	1001231422	1	Decal - Wheel Assembly Mass	
71	1001258434	2	Decal - Control Panel	

SECTION 9 - DECALS

FIGURE 9-10. DECAL INSTALLATION (CE SPECS - ENGLISH LANGUAGE)

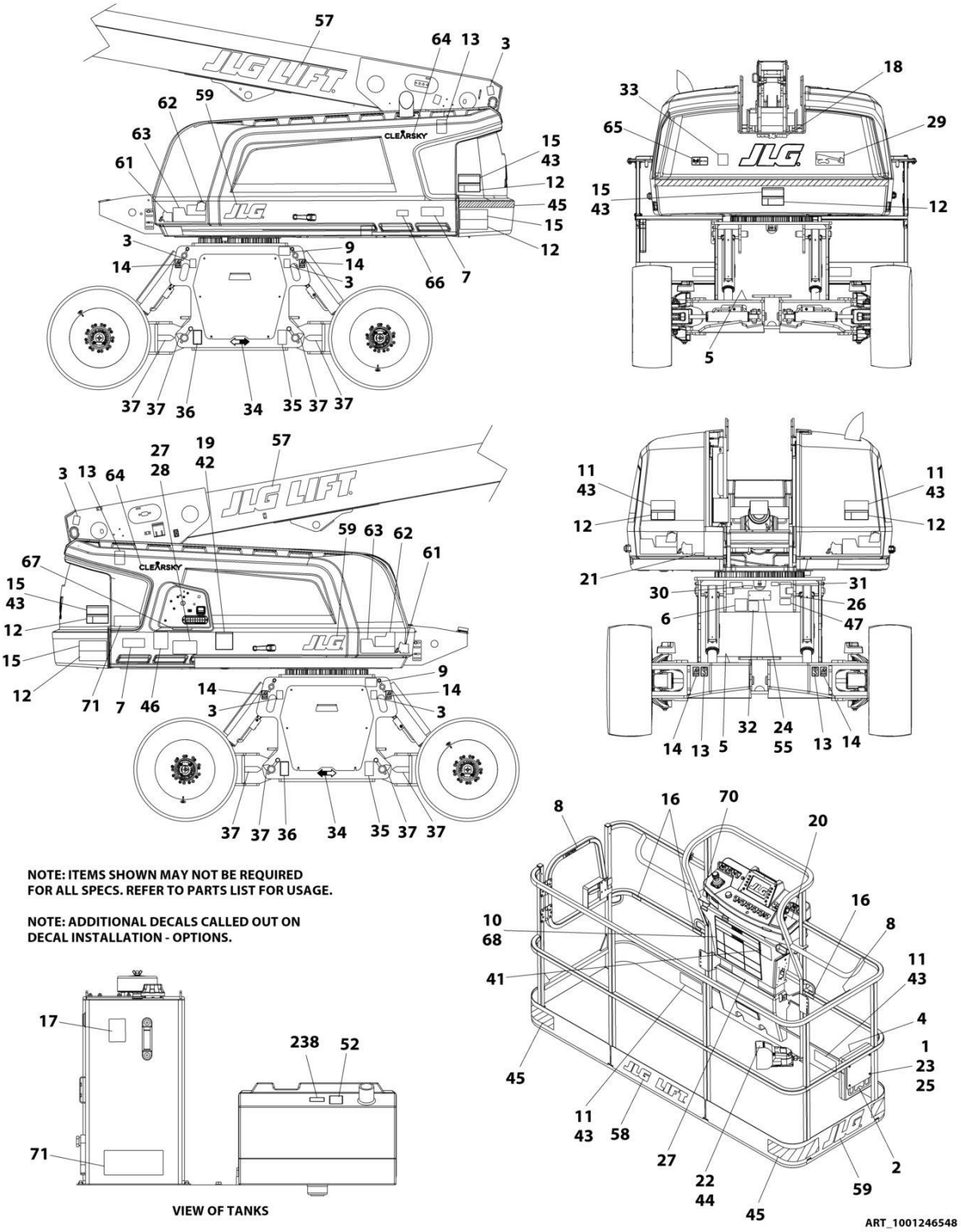


FIGURE 9-10. DECAL INSTALLATION (CE SPECS - ENGLISH LANGUAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246548	Ref	DECAL INSTALLATION	E
	1001246546	Ref	DECAL REFERENCE CHART	G
1	0700610	4	Bolt M6 x 20	
2	91403230	1	Box, Manual Storage	
3	1701499	6	Decal - No Tie Down/Lift	
4	1701509	1	Decal - Manual	
5	1701529	2	Decal - Arrow	
6	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
7	1001271526	2	Decal - 670SJ Self Leveling	
9	1001216060	2	Decal - Maximum Tire Load	
12	1705961	1	Decal - Electrocution	
13	1703811	4	Decal - Lifting Lug	
14	1702300	6	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1704412	1	Decal - Hydraulic Oil	
23	3290605	4	Nut M6	
24	2080057	2	Fastener	
25	4811700	8	Washer M6	
27	1001194236	2	Decal - Capacity	
29	1001262643	1	Decal - Lift Diagram	
34	1703687	2	Decal - Arrow	
35	1001244728	2	Decal - Foot Crushing	
36	1001244729	2	Decal - Shipping Mode	
37	1001289794	8	Decal - Warning Arrow	
41	1001244796	1	Decal - Tipping/Electrocution	
42	1705822	1	Decal - Electrocution/Safety Manual	
43	1701518	7	Decal - Crushing	
44	1705828	1	Nameplate - Footswitch	
45	4420051	208 in /5.3m	Tape, Safety	
57	1001159323	2	Decal - JLG	
59	1702773	3	Decal - JLG	
71	1001258434	2	Decal - Control Panel	

FIGURE 9-11. PLATFORM BOX DECALS INSTALLATION

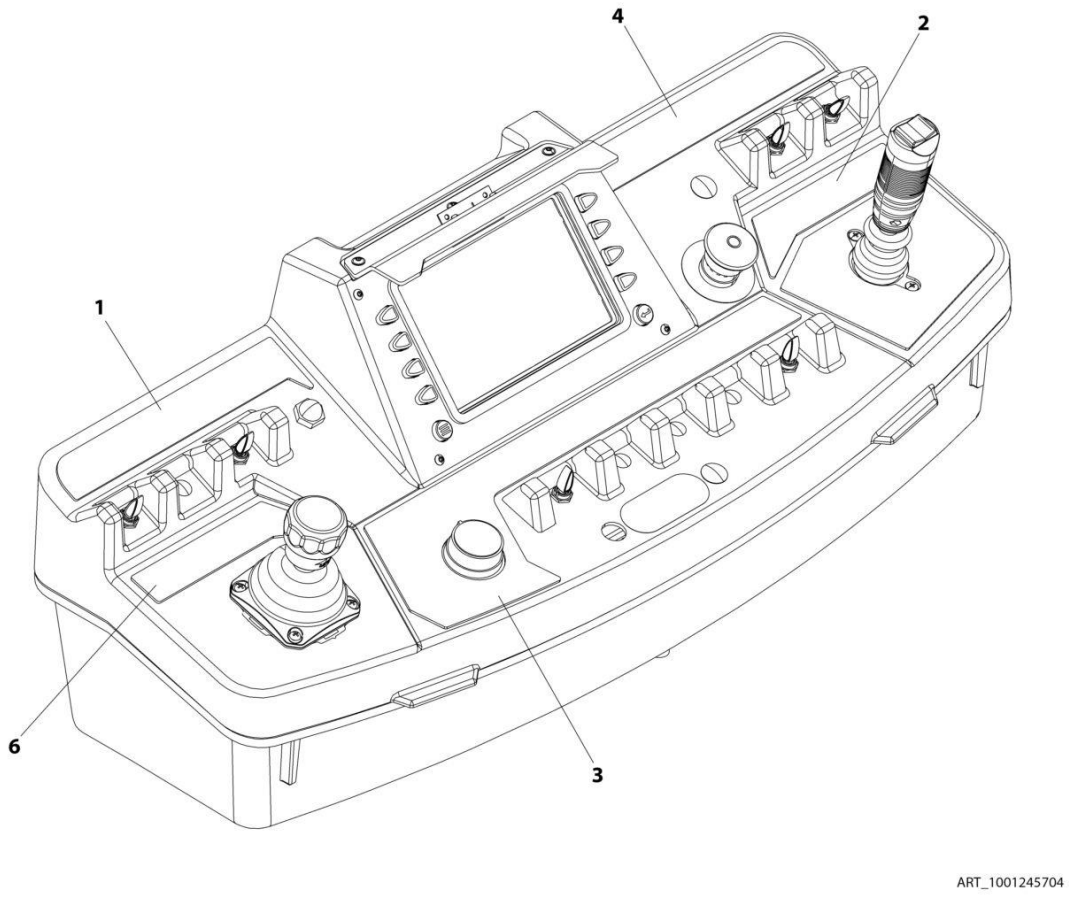


FIGURE 9-11. PLATFORM BOX DECALS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245704	Ref	PLATFORM BOX DECALS INSTALLATION	B
1	1001244798	1	Decal - Horn	
2	1001244799	1	Decal - Drive & Steer	
3	1001244800	1	Decal - Function Speed	
4	1001244801	1	Decal - Stop & Aux Power	
6	1001245695	1	Decal - Lift & Swing	

FIGURE 9-12. DECALS INSTALLATION - OPTIONS

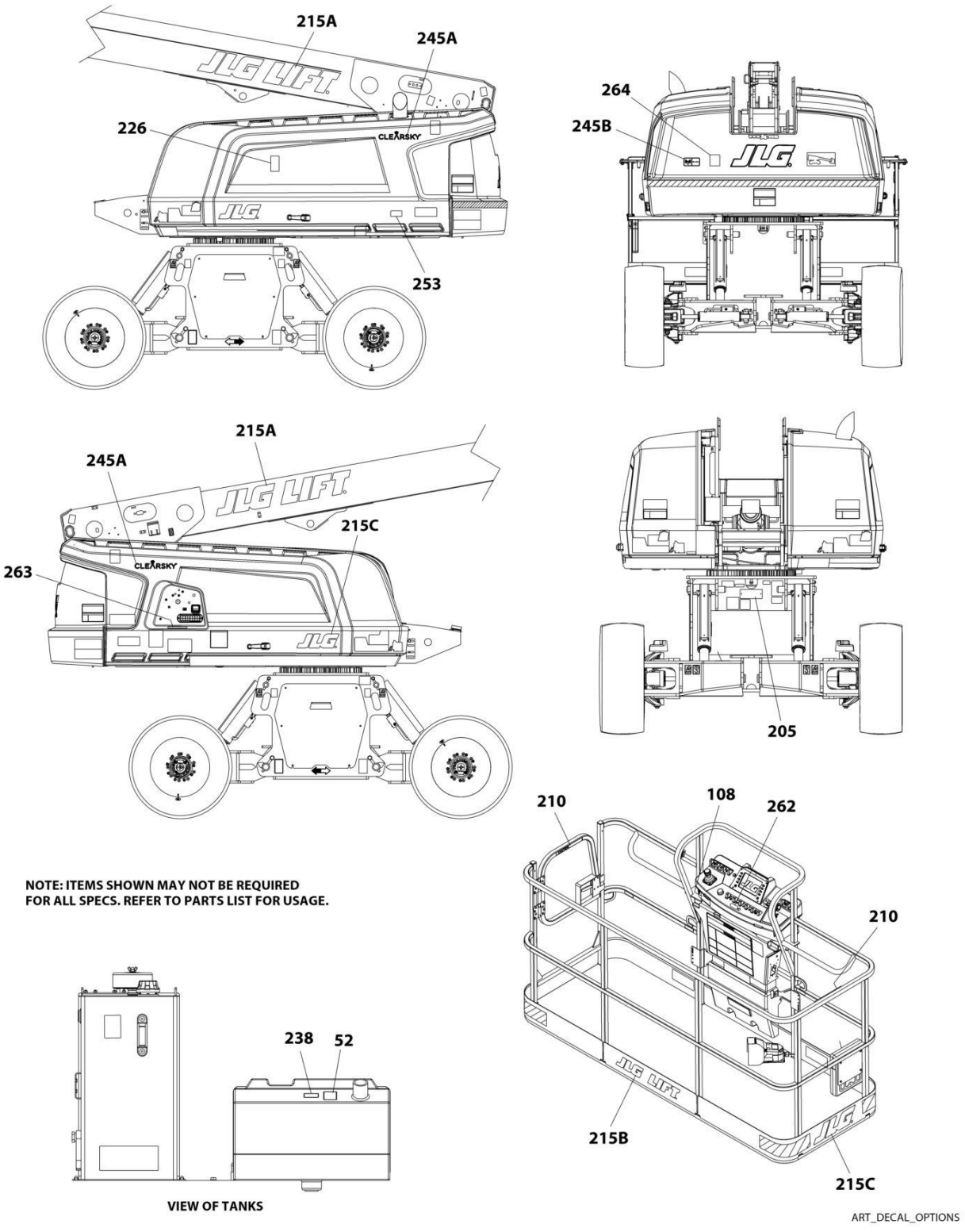


FIGURE 9-12. DECALS INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250660	Ref	DECAL INSTALLATION - OPTIONS	G
	1001246546	Ref	DECAL REFERENCE CHART	E
52	1701505	1	Decal - Diesel Fuel	
108	1001231801	1	Decal - Proposition 65 Warning (Diesel Engines)	
205	See Note	NSS	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
210		Ref	Decal - No Hands Options (Machines with Platform Mesh/Soft-Touch Options):	
210	1702868	2	Decal - No Hands (ANSI/ANSI Export/Australian/CE Specs) (English Language)	
210	1704002	2	Decal - No Hands (Brazil Specs) (Portuguese & Spanish Languages)	
210	1705968	2	Decal - No Hands (China Specs) (English & Simplified Chinese Languages)	
210	1001116846	2	Decal - No Hands (China Specs) (English & Traditional Chinese Languages)	
210	1704000	2	Decal - No Hands (CSA Specs) (English & French Languages)	
210	1705969	2	Decal - No Hands (Korean Specs) (English & Korean Languages)	
210	1704001	2	Decal - No Hands (Latin American Specs) (English & Spanish Languages)	
	1001206816	Ref	Decal Installation - JLG Logo (Not Shown) (All Specs except CE Specs)	A
215A	1702861	AR	Decal - JLG Lift	
215B	1702774	1	Decal - JLG Lift	
215C	1702773	AR	Decal - JLG	
226		Ref	Decal - Warning Explosion/Fire Options (Diesel Engine Machines Only):	
226	1704972	1	Decal - Warning Explosion/Fire (ANSI, ANSI Export and China Specs)	
226	1706098	1	Decal - Warning Explosion/Fire (Australian and CE Specs)	
226	1706059	1	Decal - Warning Explosion/Fire (Brazil Spec - Dual Language English/Portuguese)	
226	1706060	1	Decal - Warning Explosion/Fire (Chinese Spec - Dual Language English/Chinese)	
226	1706064	1	Decal - Warning Explosion/Fire (CSA Spec - Dual Language English/French)	
226	1706062	1	Decal - Warning Explosion/Fire (Japanese Spec - Dual Language English/Japanese)	
226	1706061	1	Decal - Warning Explosion/Fire (Korean Spec - Dual Language English/Korean)	
226	1706063	1	Decal - Warning Explosion/Fire (Latin American - Dual Language English/Spanish)	
238	1001125387	1	Decal - Ultra Low Sulfur Fuel (ANSI & CSA Specs)	
238	1001139654	1	Decal - Ultra Low Sulfur Fuel (ANSI Export HRC, CE & Japanese Specs)	
245	1001120992	Ref	Decal Installation - ClearSky	
245A	1001116208	2	Decal - ClearSky	
245B	1001120989	1	Decal - Radio Frequency	
253	1001143852	1	Decal - Emission Compliance (Machines with Diesel Engines) (ANSI Export, Australian & CE Specs)	
262	1001270337	1	Decal - SkyGuard Override	
263	1001197408	1	Decal - MSSO (CE Specs)	

SECTION 9 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
264	1001130492	1	Decal - Sound Power (Deutz D2011 Engines) (ANSI Export' Australian, CE and China Specs)	
264	1705515	1	Decal - Sound Power (Deutz TD2.9L4 Engines and Deutz TD2.2L3 (Stage V) Engine) (ANSI, ANSI Export, CE, CSA and Japanese Specs)	
274	1001214030	Ref	Decal - EAC Installation (CIS and Russia Specs) (Not Shown)	
274	1001173703	1	Decal - EAC (Not Shown)	

FIGURE 9-13. DECAL INSTALLATION - SKYWELDER (50HZ)

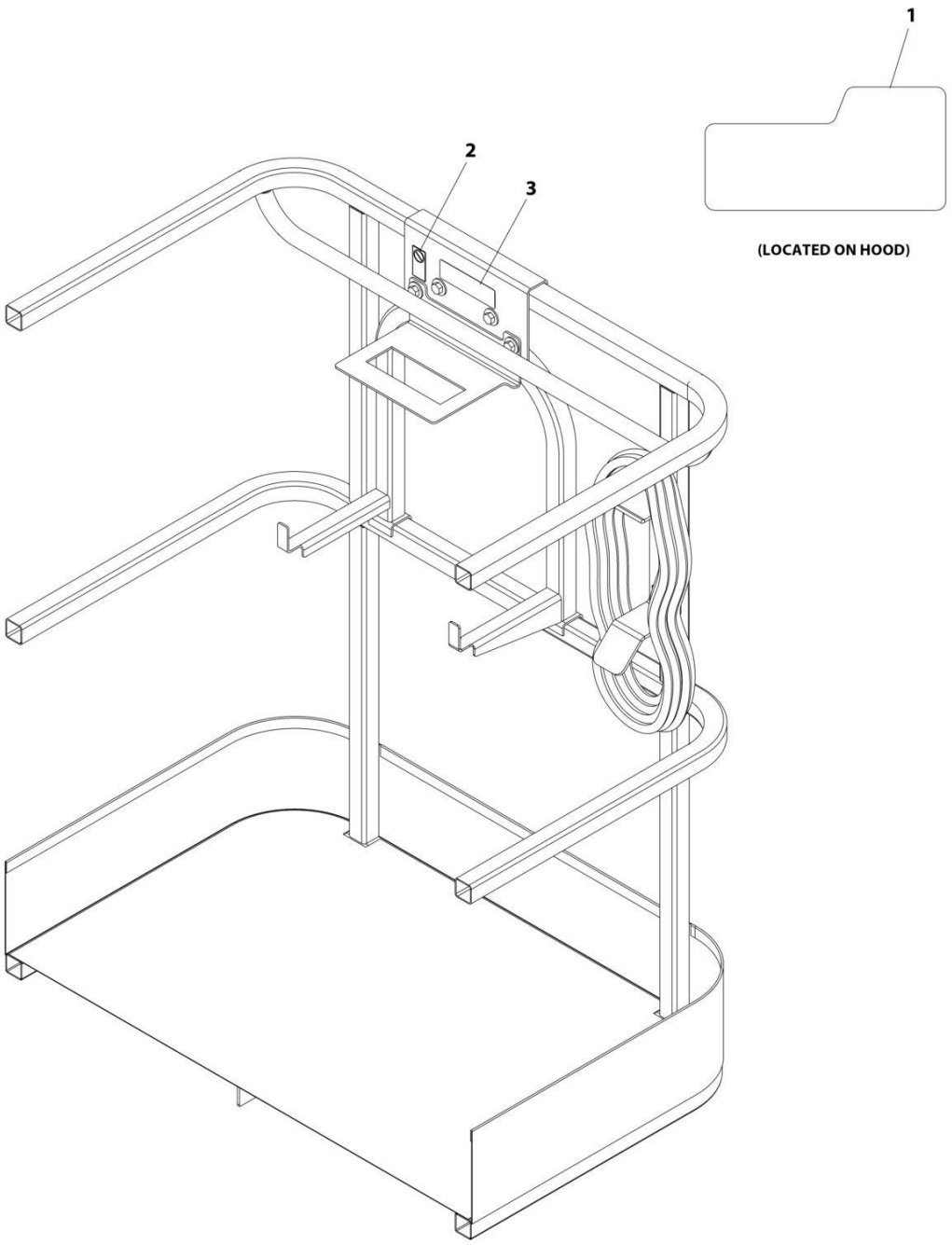


FIGURE 9-13. DECAL INSTALLATION - SKYWELDER (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272588	Ref	SKYWELDER DECAL INSTALLATION - 50Hz	B
1	1705355	2	Decal - SkyWelder	
2	1705305	1	Decal - Weld Lead	
3	1001228988	1	Decal - Weight	

FIGURE 9-14. DECAL INSTALLATION - SKYWELDER (60HZ)

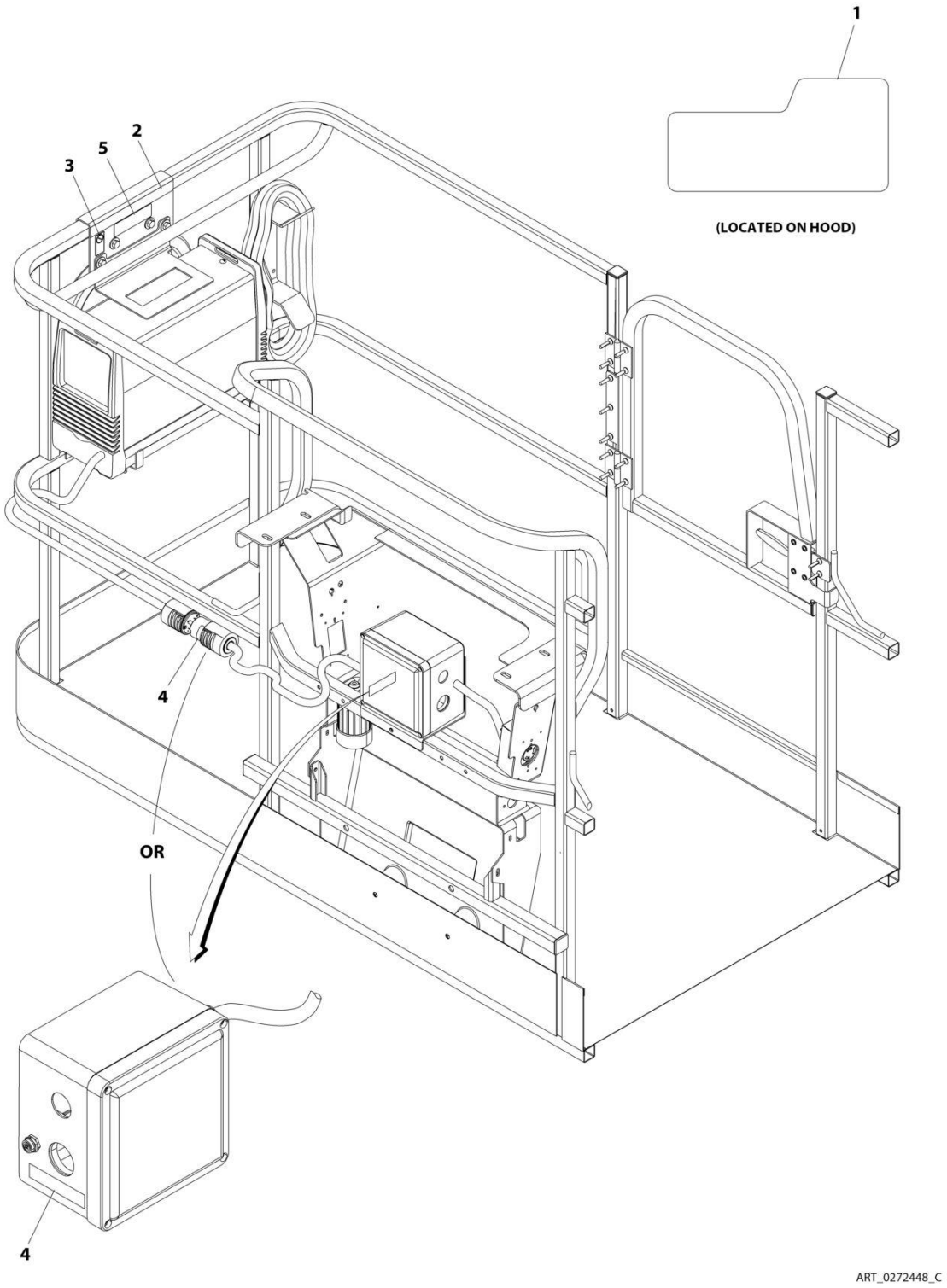


FIGURE 9-14. DECAL INSTALLATION - SKYWELDER (60HZ)

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.	
		Ref	STANDARD PARTS	
	70007323	1	Coil (Steer Valve, Axle Valve, Lift Cylinder)	
	70026967	1	Coil (Brake/2Speed Valve)	
	70006004	1	Coil (Axle Valve, Lift Cylinder)	
	70005336	12	Element, Filter	
	70010383	12	Element, Filter (Includes O-Ring)	
	70002814	12	Hydraulic Tank Service Kit	
	3740067	12	Relay	
	4360475	1	Switch, Mushroom	
	1001155045	1	Switch, Toggle	
	4360469	1	Switch, Key	
	2860030	1 Set	Key, Replacement	
	4360387	1	Switch, Push Button	
	70005683	1	Repair Section - Powertrack	
	70006122	1	Coil (Platform Valve)	
	70004653	1	Coil (Platform Valve)	
	4360407	1	Controller, Speed	
	1001159256	1	Switch, Toggle	
	1001161709	1	Switch, Toggle	
	1001212415	1	Controller, Drive and Steer	
	1001129555	1	Controller, Lift and Swing	
	70007318	1	Coil with Nut (Chassis Cylinder)	
	8229237	2	Fuse 15Amp	
	1001196634	2	Fuse- 2Amp	
	1001227788	2	Fuse 2Amp	
	8229242	2	Fuse 5Amp	
	8229244	2	Fuse 15Amp	
	1001196636	2	Diode 1Amp	
	3740080	1	Relay	
	1001095704	1	Relay	
		Ref	VARIABLE PARTS	
	1001236360	1	Sensor, Steer Angle	
	7026031	1	Sensor, Proximity (Swivel)	
	1001133759	1	Sensor, Angle (Swivel)	
	70005708	1	Breather Assemblly (Includes Breather, Elemeent & Wingnut) (Hydraulic Tank)	
	1001142683	1	Module (Used with Blue or Red Beacons)	
	70003783	12	Element, Air Cleaner Filter (Deutz D2011 Engines)	
	7016328	12	Filter, Fuel (Deutz D2011 Engines)	
	7016331	12	Element, Oil Filter (Deutz D2011 Engine)	
	7027795	1	Module, Engine Control (ECU) (Deutz D2011 Engines)	
	1001117308	1	Contactor (Relay (Deutz TD2.3L3 Stage V & Deutz TD2.9L4 Engines)	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70005008	12	Element, Air Cleaner Filter (Deutz TD2.3L3 Stage V & Deutz TD2.9L4 Engines)	
	1001225430	12	Filter, Fuel (Primary) (Deutz TD2.9L4 Engines))	
	1001225431	12	Filter, Fuel (Secondary) (Deutz TD2.9L4 Engines)	
	7016331	12	Filter, Oil (Deutz TD2.9L4 Engines)	
	70025210	1	Module, Engine Control (ECM/ECU) (Deutz TD2.9L4 Engines)	
	1001138228	1	Relay (Deutz TD2.3L3 Stage V Engines)	
	70004066	12	Element, Filter (Optional Remoye Mounted Filter)	
	4360336	1	Switch, Toggle (Generator Options)	
	4360070	1	Circuit Breaker 15Amp (Machines with 4000W or 7500W Generator)	
	1001214831	1	Switch, Proximity (Boom)	
	70005335	12	Element, High Pressure Filter (Boom)	
	1001170847	1	Sensor, Proximity (Boom)	
	1001182570	1	Sensor, Proximity (Boom)	
	1001211577	1	Sensor (Lower) (Boom)	
	1001211579	1	Sensor (Upper) (Boom)	
	1001247468	1	Loadcell (Platform)	
	2940074	1	Latch (Machines with Gate Entry Platform)	
	1001117174	1	Footswitch Assembly	
	1001185726	1	Module, Platform	
	1001239365	1	Display, Platofrm	
	1001228224	1	Sensor, Receiver (Machines with SkyEye)	
	1001228225	1	Sensor, Emitter (Machines with SkyEye)	
	1001137673	1	Switch (Machines with SkyGuard)	
	1001186431	1	Relay (Machines with SkyGuard)	
	1001232667	1	Sensor, Proximity (Machines with SkyLine)	
	1001187200	1	Module, Ground Control	
	1001219601	1	Sensor, Tilt (Chassis)	
	1001238623	1	Sensor, Inclinometer	
	1001239532	1	Sensor, Pressure (Chassis)	
	1001239562	1	Module, Frame/Chassis	
	1001181045	1	Breaker, Circuit 16A (CE Specs Machines with Single Breaker Box)	
	1001152479	1	Breaker, Circuit 16A Double (CE Specs Machines with 3 Breaker Box)	
	1001152482	1	Breaker, Circuit 30mA (CE Specs Machines with 3 Breaker Box)	
	1001172065	2	Fuse - 30Amp (Deutz D2.9L4 Engines)	
	80983191	2	Fuse - 10Amp (Deutz D2.9L4 Engines)	
	8229245	2	Fuse 30Amp (Machines with 2500W Generator)	
	2400064	2	Fuse 5A (Deutz D2011 Engine Machines with 7500W SkyPower Generator)	
	3740086	1	Relay (Machines with SkyLine)	

SECTION 11 - SPECIAL OPTIONS

SECTION 11 - SPECIAL OPTIONS

FIGURE 11-1. SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	MISCELLANEOUS SPECIAL OPTIONS	
		Ref	Airline to Platform Installation Options:	
	1001193215	Ref	Airline Installation	
	1001194045	Ref	Airline Installation (Arctic Package)	
	1001235884	Ref	Air Intake Shutoff Valve (Deutz TD2.9L4 Engines)	
	1001205021	Ref	Arctic Package Installation Kit - Deutz TD2.9L4 Engines & Without SkyPower	
	1001205020	Ref	Arctic Package Installation Kit - Deutz TD2.9L4 Engines & Without SkyPower	
	1001189170	Ref	Bellows Installation - Boom	
	1001244537	Ref	Bellows Installation - Chassis	
	1001199095	Ref	Boom Cable/Hose Protection Installation	
	1001195235	Ref	Boom Wipers Installation	
	1001233047	Ref	Breather Heater Kit (Deutz Engines)	
		Ref	ClearSky (Telematics) Installations (Dealer Installed)	
	1001243183	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (ANSI, ANSI Export, CSA and CE Specs)	
	1001246142	Ref	ClearSky (Telematics) Add-on Kit (Australian Specs) (Dealer Installed)	
	1001243184	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (CE Specs)	
	1001242639	Ref	ClearSky (Telematics) Access Control Add-on Kit (Dealer Installed)	
		Ref	ClearSky Telematics (Factory Installed)	
	1001227404	Ref	ClearSky Telematics Installation - Canbus Connection (Factory Installed) (ANSI & CSA Specs)	
	1001246524	Ref	ClearSky Telematics Installation - Canbus Connection (Factory Installed) (Australian Specs)	
	1001228947	Ref	ClearSky Telematics Installation - Canbus Connection (Factory Installed) (CE Specs)	
	1001229107	Ref	ClearSky Telematics Installation - 3 Wire Connection (Factory Installed) (ANSI & CSA Specs) **(Prior to SN 0300275371)**	
	1001233237	Ref	ClearSky Telematics Installation - 3 Wire Connection (Factory Installed) (CE Specs) **(Prior to SN 0300275371)**	
	1001276610	Ref	ClearSky Telematics Installation - 3 Wire Connection (Factory Installed) **(SN 0300275371 to Present)**	
		Ref	Cold Weather Package Installation Options:	
	1001192489	Ref	Cold Weather Package Installation (Deutz D20114 Engine Machines)	
	1001256385	Ref	Cold Weather Package Installation (Deutz D2.2L3 Engines Machines)	
	1001192475	Ref	Cold Weather Package Installation (Deutz D2.9L4 Engines Machines)	
		Ref	Decal Installations Options:	
	0257195	Ref	Decal - Government Warranty	
	1001200131	Ref	Decal - Quick Reference (Danish) (Lomax Rentals)	
	1001200129	Ref	Decal - Quick Reference (Dutch) (Lomax Rentals)	
	1001181145	Ref	Decal - Quick Reference (English) (Lomax Rentals)	
	1001200128	Ref	Decal - Quick Reference (French) (Lomax Rentals)	

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	1001200130	Ref	Decal - Quick Reference (German) (Lomax Rentals)	
	1001200134	Ref	Decal - Quick Reference (Norwegian) (Lomax Rentals)	
	1001200133	Ref	Decal - Quick Reference (Spanish) (Lomax Rentals)	
	1001200132	Ref	Decal - Quick Reference (Swedish) (Lomax Rentals)	
	1001109259	Ref	Drive Orientation 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	
	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 & 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)	
	1001192482	Ref	Fan Grille Installation (Deutz D2011 Engines)	
	1001256272	Ref	Fan Grille Installation (Deutz D2011 Engines) (Australian Specs)	
	1001258140	Ref	Fan Guard Installation (Deutz TD2.2L3 (Stage V) Engine **(Prior to SN 0300275371)**	
	1001192610	Ref	Fan Grille Installation (Deutz TD2.9L4 Engines)	
		Ref	Filter Kits:	
		Ref	Combined Filter Kit (Hydraulic/Air and Fuel/Engine Oil)	
	1001238957	1	Deutz D2011 Engines	
	1001238961	1	Deutz TD2.9L4 - 67HP Engines	
	1001109692	1	Hydraulic/Air Filter	
	1001110133	1	Fuel/Engine Oil Filter (Deutz Engines Only)	
	1001139099	Ref	Fire Extinguisher installation (Platform Mounted)	
	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)	
		Ref	Hood (Steel) Replacement Kit	
	1001126286	Ref	Deutz Engine Machines	
		Ref	Hose Kit Options:	
	1001238906	Ref	Hose Kit - Platform Valve	
	1001238904	Ref	Hose Kit - Upper Power Track	
		Ref	Hostile Environment Installation Options:	
	1001238929	Ref	Hostile Environment Add-on Kit (Dealer Installed)	
	1001195237	Ref	Hostile Package (Extreme) Installation	
	1001189615	Ref	Kingpin Removal Kit	
	1001148971	Ref	Lanyard (Bolt-On) Kit Installation	
		Ref	Light Options:	
	1001263073	Ref	Chassis Illumination Lights Installation	
	1001263074	Ref	Headlights & Taillights Installation	
	1001120467	Ref	Platform Floodlights Instsallation	
	1001178951	Ref	Platform Mounted Strobe Light Installation	
	1001193521	Ref	Platform/Ground Dual Located Mounted Strobe Light Installation	
	1001120466	Ref	Platform Worklights Installation	
	1001183407	Ref	Low Temperature Cutout Installation (Russian Specs)	
		Ref	Oil Cooler Options:	
	1001263799	Ref	Oil Cooler Installation (Deutz TD2011 Engine)	

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	1001263957	Ref	Oil Cooler Installation (Deutz TD2.2L3 (Stage V) Engine)	
	1001263798	Ref	Oil Cooler Installation (Deutz TD2.9L4 Engine)	
	1001233035	Ref	Pinion Shield Installation	
		Ref	Platform Console Cover Installations	
	1001195304	Ref	Platform Console Cover Installation (Clear Polycarbonate)	
	1001266290	Ref	Platform Console Cover Installation (Steel) (All Specs)	
		Ref	Platform Entry Kit	
	1001142504	Ref	Platform Entry Kit - Replace Swing Gate with Drop Bar	
	1001142505	Ref	Platform Entry Kit - Replace Drop Bar with Swing Gate	
		Ref	Platform Extension (Top Rail)	
	0272733	Ref	36in x 72in Platforms	
	0272725	Ref	36in x 96in Platforms	
		Ref	Platform Mesh to Top Rail Add-on Kit Options (Dealer Installed)	
	1001214552	Ref	Platform Mesh (Steel) to Top Rail Add-on Kit - 30in x 4ft (76cm x 1.22m) with Gate (Dealer Installed)	
	1001214559	Ref	Platform Mesh (Steel) to Top Rail Add-on Kit - 30in x 5ft (76cm x 1.52m) with Gate (Dealer Installed)	
	1001214560	Ref	Platform Mesh (Steel) to Top Rail Add-on Kit - 30in x 6ft (76cm x 1.83m) with Gate (Dealer Installed)	
	1001214561	Ref	Platform Mesh (Steel) to Top Rail Add-on Kit - 36in x 6ft (91.5cm x 1.83m) with Gate (Dealer Installed)	
	1001214562	Ref	Platform Mesh to Top Rail Add-on Kit - 36in x 8ft (91.5cm x 2.44m) with Gate (Dealer Installed)	
		Ref	Platform Mesh (Steel) to Top Rail Installation Options (Factory Installed)	
	0273147	Ref	Platform Mesh (Steel) to Top Rail Installation - 30in x 4ft (76cm x 1.22m) (Factory Installed) **(Prior to SN 0300275371)**	
	1001272182	Ref	Platform Mesh (Steel) to Top Rail Installation - 30in x 4ft (76cm x 1.22m) (Factory Installed) **(SN 0300275371 to Present)**	
	1001266807	Ref	Platform Mesh (Plastic) to Top Rail Installation - 30in x 4ft (76cm x 1.22m) (Factory Installed) **(SN 0300275371 to Present)**	
	0273146	Ref	Platform Mesh (Steel) to Top Rail Installation - 30in x 5ft (76cm x 1.52m) (Factory Installed) **(Prior to SN 0300275371)**	
	1001271888	Ref	Platform Mesh (Steel) to Top Rail Installation - 30in x 5ft (76cm x 1.52m) (Factory Installed) **(SN 0300275371 to Present)**	
	1001266801	Ref	Platform Mesh (Plastic) to Top Rail Installation - 30in x 5ft (76cm x 1.52m) (Factory Installed) **(SN 0300275371 to Present)**	
	0273149	Ref	Platform Mesh (Steel) to Top Rail Installation - 36in x 6ft (91.5cm x 1.83m) (Factory Installed) **(Prior to SN 0300275371)**	
	1001271642	Ref	Platform Mesh (Steel) to Top Rail Installation - 36in x 6ft (91.5cm x 1.83m) (Factory Installed) **(SN 0300275371 to Present)**	
	1001266489	Ref	Platform Mesh (Plastic) to Top Rail Installation - 36in x 6ft (91.5cm x 1.83m) (Factory Installed) **(SN 0300275371 to Present)**	
	0273145	Ref	Platform Mesh (Steel) to Top Rail Installation - 36in x 8ft (91.5cm x 2.44m) (Factory Installed) **(Prior to SN 0300275371)**	
	1001269187	Ref	Platform Mesh (Steel) to Top Rail Installation - 36in x 8ft (91.5cm x 2.44m) (Factory Installed) **(SN 0300275371 to Present)**	
	1001266056	Ref	Platform Mesh (Plastic) to Top Rail Installation - 36in x 8ft (91.5cm x 2.44m) (Factory Installed) **(SN 0300275371 to Present)**	
		Ref	Platform Mesh to Mid Rail Add-on Kit Options (Dealer Installed)	
	1001214478	Ref	Platform Mesh to Mid (Steel) Rail Add-on Kit - 30in x 4ft (76cm x 1.22m) with Gate (Dealer Installed)	
	1001214515	Ref	Platform Mesh (Steel) to Mid Rail Add-on Kit - 30in x 5ft (76cm x 1.52m) with Gate (Dealer Installed)	

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	1001214540	Ref	Platform Mesh (Steel) to Mid Rail Add-on Kit - 36in x 6ft (91.5cm x 1.83m) with Gate (Dealer Installed)	
	1001214548	Ref	Platform Mesh (Steel) to Mid Rail Add-on Kit - 36in x 8ft (91.5cm x 2.44m) with Gate (Dealer Installed)	
		Ref	Platform Mesh to Mid Rail Installation Options (Factory Installed)	
	1001140318	Ref	Platform Mesh (Steel) to Mid Rail Installation - 30in x 4ft (76cm x 1.22m) (Factory Installed) **(Prior to SN 0300275371)**	
	1001272274	Ref	Platform Mesh (Steel) to Mid Rail Installation - 30in x 4ft (76cm x 1.22m) (Factory Installed) **(SN 0300275371 to Present)**	
	1001266969	Ref	Platform Mesh (Plastic) to Mid Rail Installation - 30in x 4ft (76cm x 1.22m) (Factory Installed) **(SN 0300275371 to Present)**	
	1001140315	Ref	Platform Mesh (Steel) to Mid Rail Installation - 30in x 5ft (76cm x 1.52m) (Factory Installed) **(Prior to SN 0300275371)**	
	1001272178	Ref	Platform Mesh (Steel) to Mid Rail Installation - 30in x 5ft (76cm x 1.52m) (Factory Installed) **(SN 0300275371 to Present)**	
	1001266799	Ref	Platform Mesh (Plastic) to Mid Rail Installation - 30in x 5ft (76cm x 1.52m) (Factory Installed) **(SN 0300275371 to Present)**	
	1001138772	Ref	Platform Mesh (Steel) to Mid Rail Installation - 36in x 6ft (91.5cm x 1.83m) (Factory Installed) **(Prior to SN 0300275371)**	
	1001271760	Ref	Platform Mesh (Steel) to Mid Rail Installation - 36in x 6ft (91.5cm x 1.83m) (Factory Installed) **(SN 0300275371 to Present)**	
	1001266284	Ref	Platform Mesh (Plastic) to Mid Rail Installation - 36in x 6ft (91.5cm x 1.83m) (Factory Installed) **(SN 0300275371 to Present)**	
	1001138773	Ref	Platform Mesh (Steel) to Mid Rail Installation - 36in x 8ft (91.5cm x 2.44m) (Factory Installed) **(Prior to SN 0300275371)**	
	1001269389	Ref	Platform Mesh (Steel) to Mid Rail Installation - 36in x 8ft (91.5cm x 2.44m) (Factory Installed) **(SN 0300275371 to Present)**	
	1001266098	Ref	Platform Mesh (Plastic) to Mid Rail Installation - 36in x 8ft (91.5cm x 2.44m) (Factory Installed) **(SN 0300275371 to Present)**	
	1580013	Ref	Platform Storage Tray (Corner Mounted)	
	1001211366	Ref	Service Kits	M
	1001247073	Ref	SkyEye Add-on Kit (Dealer Installed)	
	1001241547	Ref	SkyEye Repair Kit (LH Side)	
	1001241548	Ref	SkyEye Repair Kit (RH Side)	
	2902232	Ref	SkyGlazier Kit (Includes 36in x 8ft (91.5cm x 2.44m) Platform)	
	1001101422	Ref	SkyGlazier Kit (Platform not Included)	
	1001249052	Ref	SkyGuard Add-on Kit (Dealer Installed)	
	1001197016	Ref	SkyGuard Installation Kit (New Style Platform)	
	1001206311	Ref	SkyGuard Blue Beacon Installation Kit	
	1001232643	Ref	SkyLine Add-on Kit (Dealer Installed)	
	1001217055	Ref	SkyPower Kit (Deutz TD2.9L4 Engine)	
	1001231235	Ref	SkyWelder Locking Bracket Installation	
		Ref	Tools for Service	
	1001249695	1	Analyzer and Cable Kit	
	1001249941	1	Analyzer and Cable Kit (Battery Powered)	
	1001137005	1	Software Cable Kit	
	7002840	1	Anti-Rotation Pin Removal Tool	
	8896941	1	Wire Stripper	
	7002821	1	Wire Crimper (To install wire ends to wires)	
	7002823	1	Pin/Socket Extractor - Universal (To Remove Pins/Sockets from Connectors)	
	4460467	1	Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4460510	1	Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch 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	
	7016655	1	Wire Rope Sheave Gauge	
	7016652	1	Huck Bolt Faster (For Small Huck Bolts Only)	
	2915096	Ref	Turntable Bearing Kit	
	1001238898	Ref	Wear Pad Kit	
	1001238907	Ref	Wire Rope Kit	

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