



Illustrated Parts Manual

Model 520AJ HC3

PVC
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P/N
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July 15, 2023 - Rev E

ANSI

CE



**UK
CA**

AS/NZS



An Oshkosh Corporation Company

REVISION LOG

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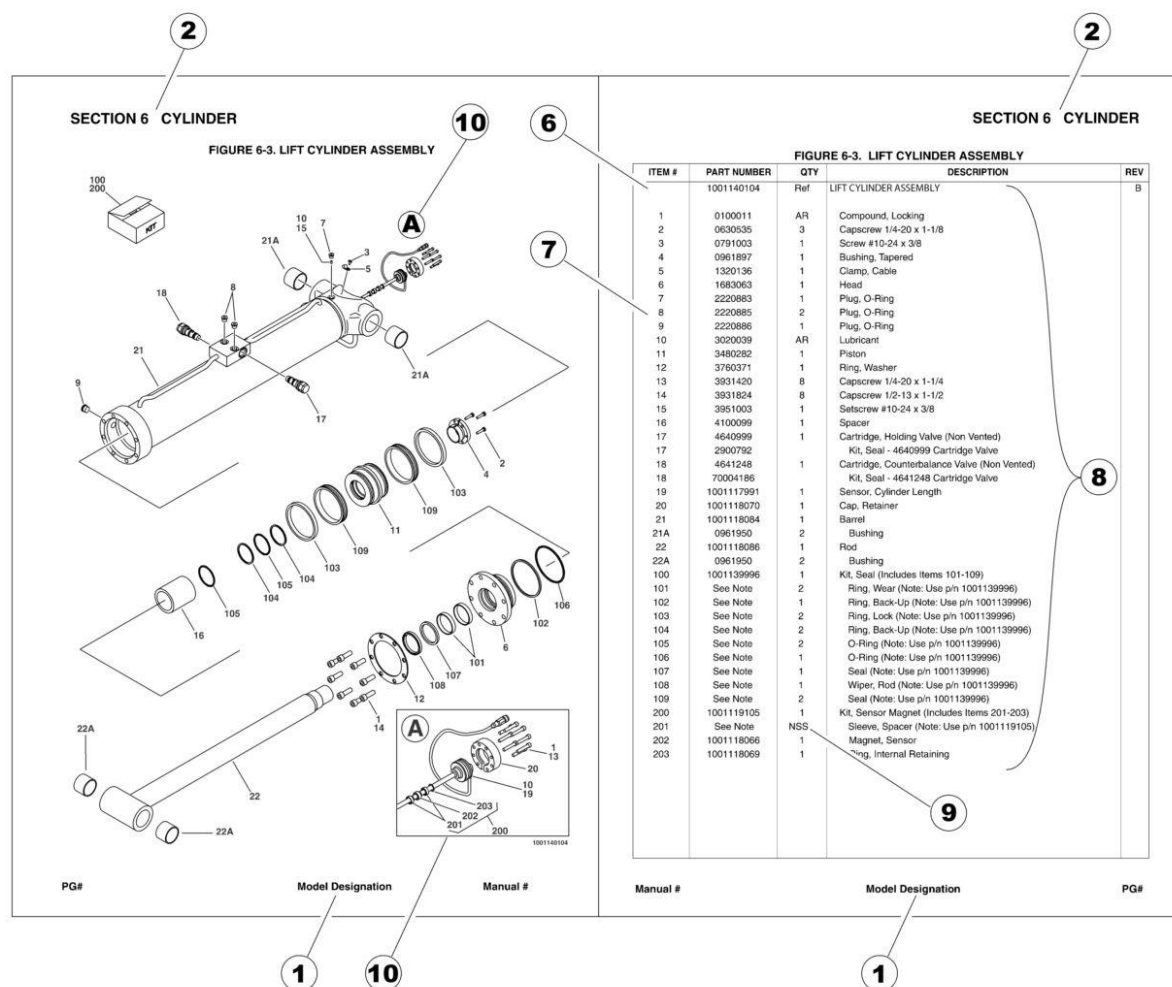
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GENERAL INFORMATION



1) MACHINE IDENTIFICATION

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

2) PARTS MANUAL ORGANIZATION

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

3) TABLE OF CONTENTS (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 Fluid
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..... Milliamps
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 REFERENCE 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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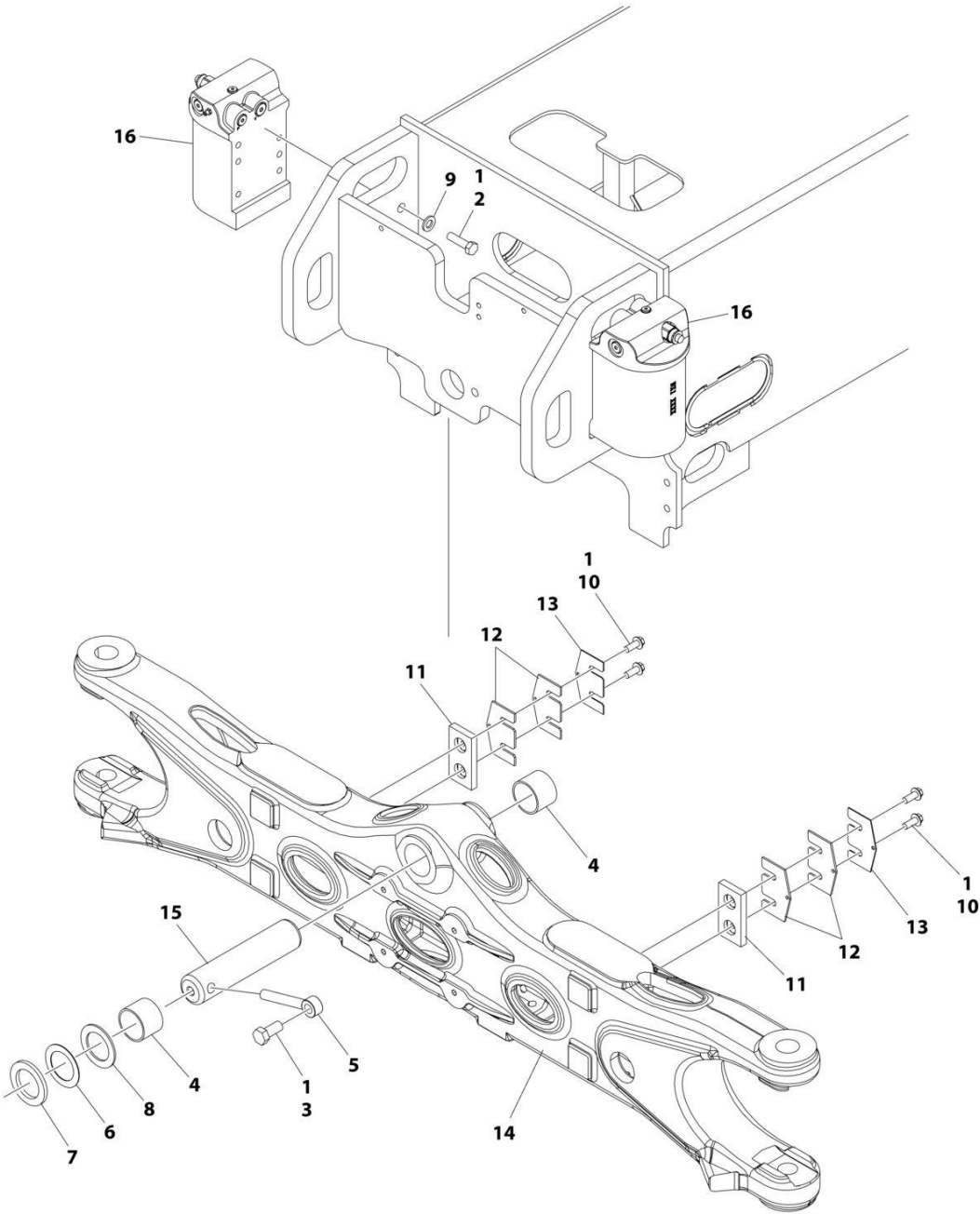
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SECTION 1 - FRAME

SECTION 1 - FRAME

FIGURE 1-1. AXLE INSTALLATION



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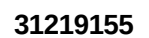
SECTION 1 - FRAME

FIGURE 1-1. AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264981	Ref	AXLE INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0701217	8	Bolt M12 x 45	
3	0761615	1	Bolt M16 x 35	
4	0961950	2	Bearing	
5	3841258	1	Keeper, Pin	
6	4071101	AR	Shim	
7	4740158	AR	Washer	
8	4740229	AR	Washer	
9	5241200	8	Washer M12	
10	5251012	4	Bolt M10 x 25	
11	1001118511	2	Pad, Wear	
12	1001118518	AR	Shim 11Ga	
13	1001118519	AR	Shim 16Ga	
14	1001162995	1	Axle	
15	1001185030	1	Pin	
16	1001256179	2	Axle Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	

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520AJ HC3



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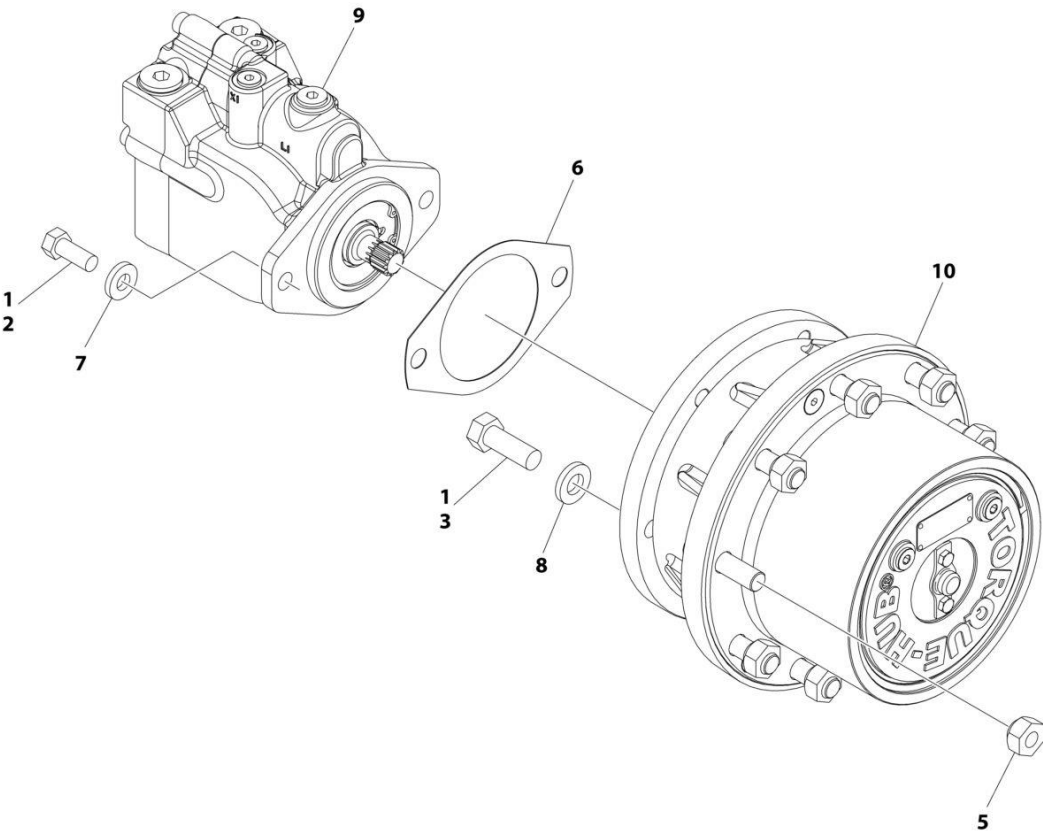
SECTION 1 - FRAME

FIGURE 1-2. STEER INSTALLATION

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

SECTION 1 - FRAME

FIGURE 1-3. WHEEL DRIVE INSTALLATION



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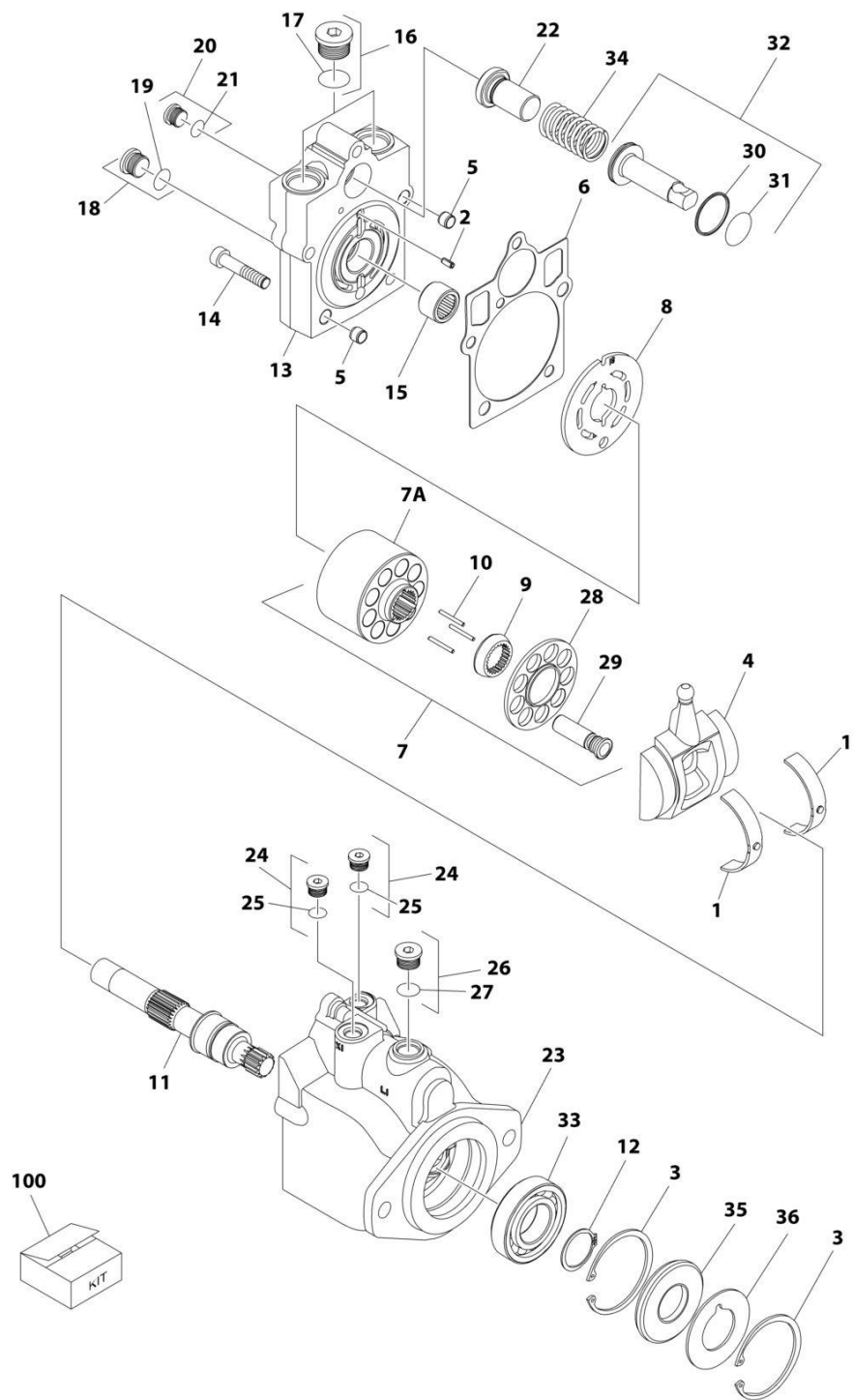
SECTION 1 - FRAME

FIGURE 1-3. WHEEL DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254652	Ref	WHEEL DRIVE INSTALLATION (4WD)	C
1	0100011	AR	Compound, Locking	
2	0681810	8	Bolt 1/2 x 1-1/4 Grade 8	
3	0682013	24	Bolt 5/8 x 1-5/8 Grade 8	
4	3020008	AR	Lubricant, Gear (Not Shown)	
5	3300106	36	Lugnut	
6	3960526	4	Gasket, Brake	
7	4891800	8	Washer 1/2	
8	4892000	24	Washer 5/8	
9	1001245759	4	Drive Motor Assembly (See Separate Breakdown in this Section)	
10	1001252541	4	Drive Hub Assembly (See Separate Breakdown in this Section)	

SECTION 1 - FRAME

FIGURE 1-4. DRIVE MOTOR ASSEMBLY



ART_1001245759

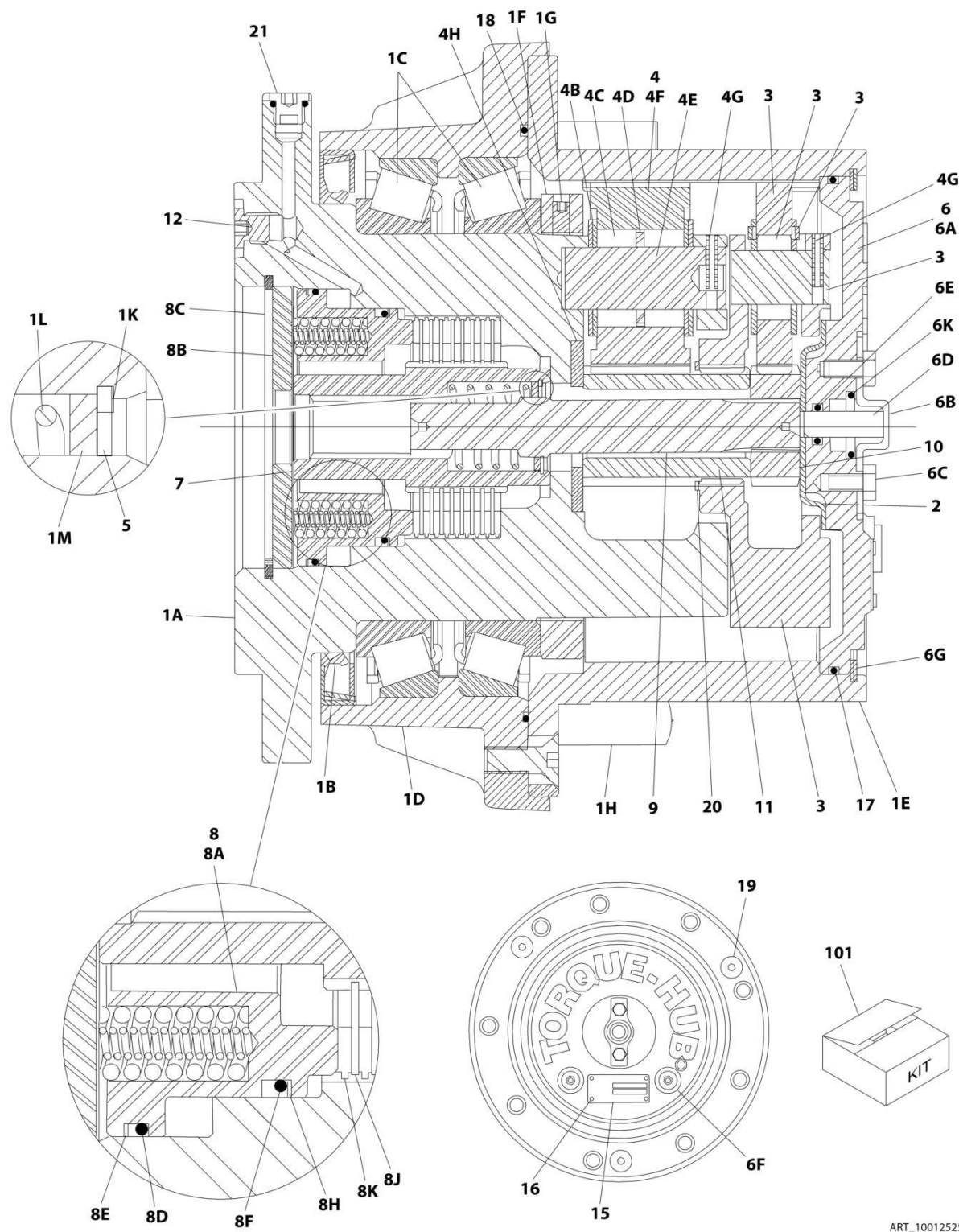
SECTION 1 - FRAME

FIGURE 1-4. DRIVE MOTOR ASSEMBLY

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

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FIGURE 1-5. DRIVE HUB ASSEMBLY



ART_1001252541

FIGURE 1-5. DRIVE HUB ASSEMBLY

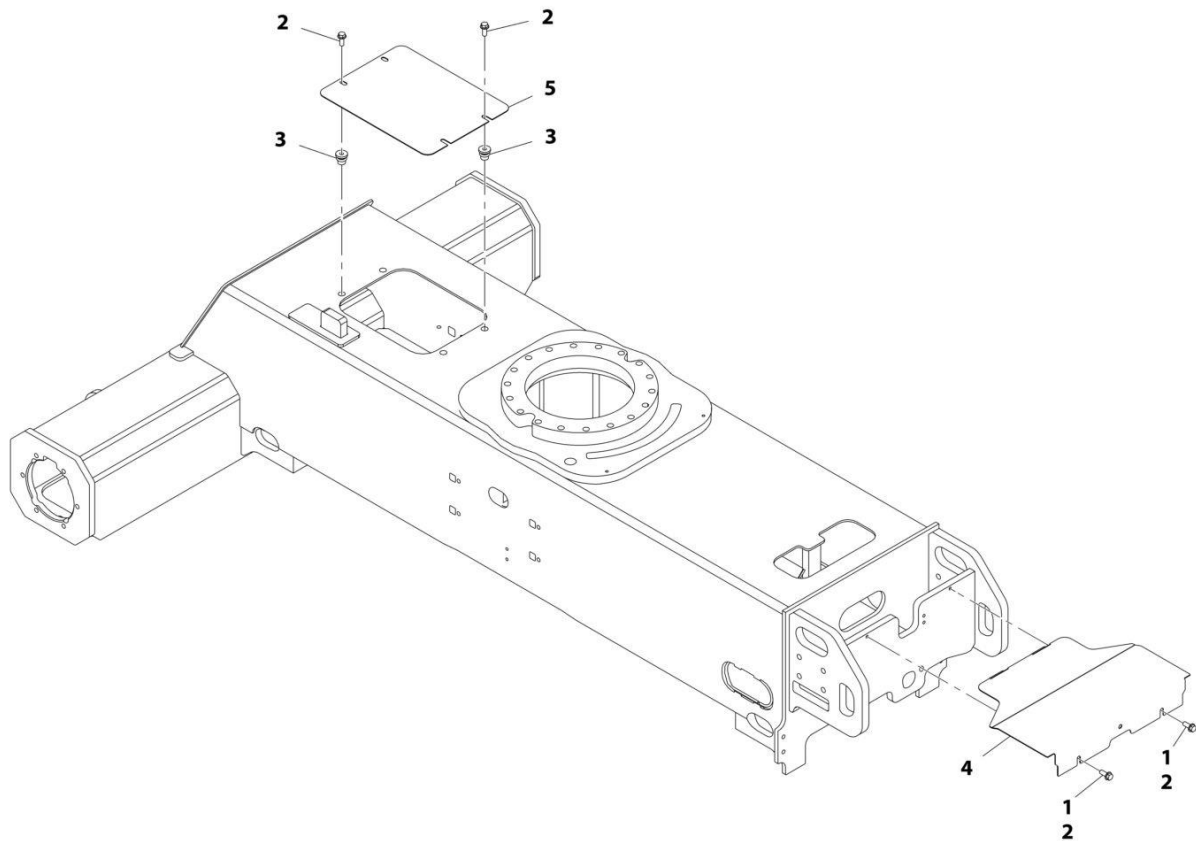
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252541	Ref	DRIVE HUB AND BRAKE ASSEMBLY	C
1	See Note	Ref	Spindle Sub-Assembly (Note : Not Shown - Not Available as Assembly. Purchase Individual Components)	
1A	7024729	1	Spindle	
1B	70001119	1	Seal, Lip	
1C	7024735	2	Bearing, Tapered	
1D	See Note	NSS	Housing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

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

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FIGURE 1-6. FRAME SHIELD INSTALLATION



ART_1001162105

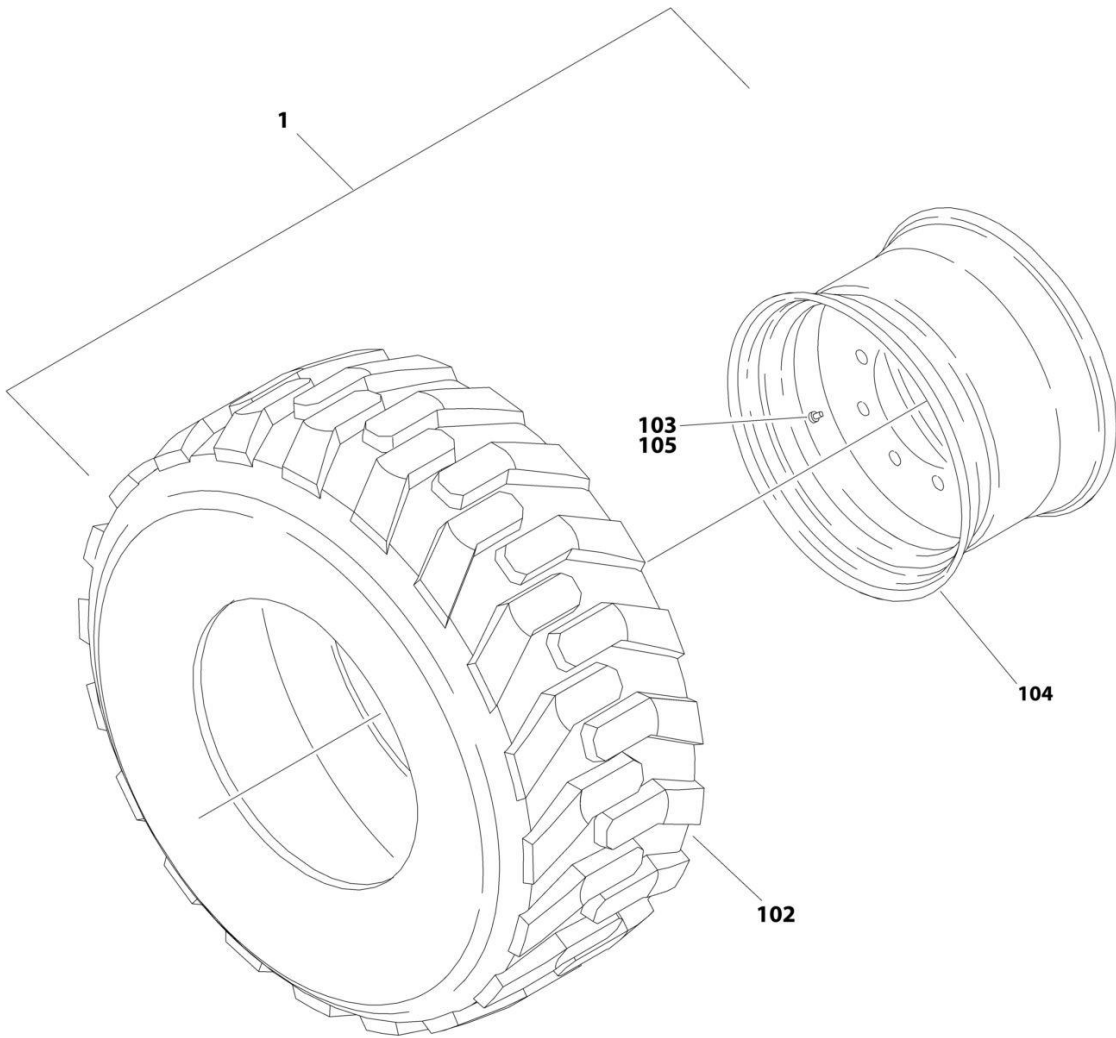
SECTION 1 - FRAME

FIGURE 1-6. FRAME SHIELD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162105	Ref	FRAME SHIELD INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	5251012	6	Bolt, M10 x 25	
3	1001180916	4	Nut	
4	1001162107	1	Plate, Valve Cover	
5	1001165968	1	Plate, Cover	

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FIGURE 1-7. TIRE AND WHEEL INSTALLATION - 14 X17.5 FOAM FILLED



ART_0271998

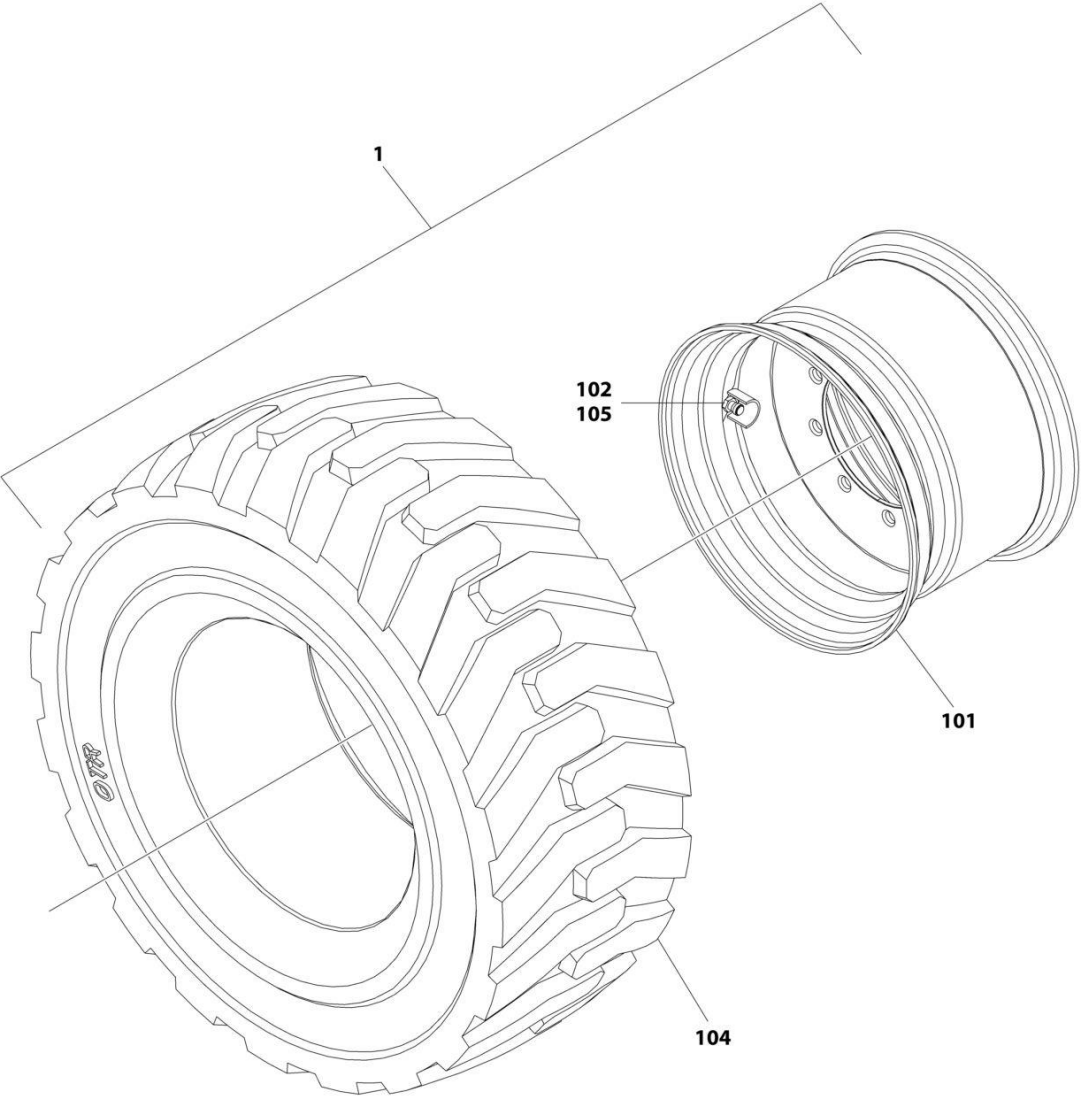
SECTION 1 - FRAME

FIGURE 1-7. TIRE AND WHEEL INSTALLATION - 14 X17.5 FOAM FILLED

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

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FIGURE 1-8. TIRE AND WHEEL INSTALLATION - 14 X17.5 FOAM FILLED NON-MARKING



ART_1001258898

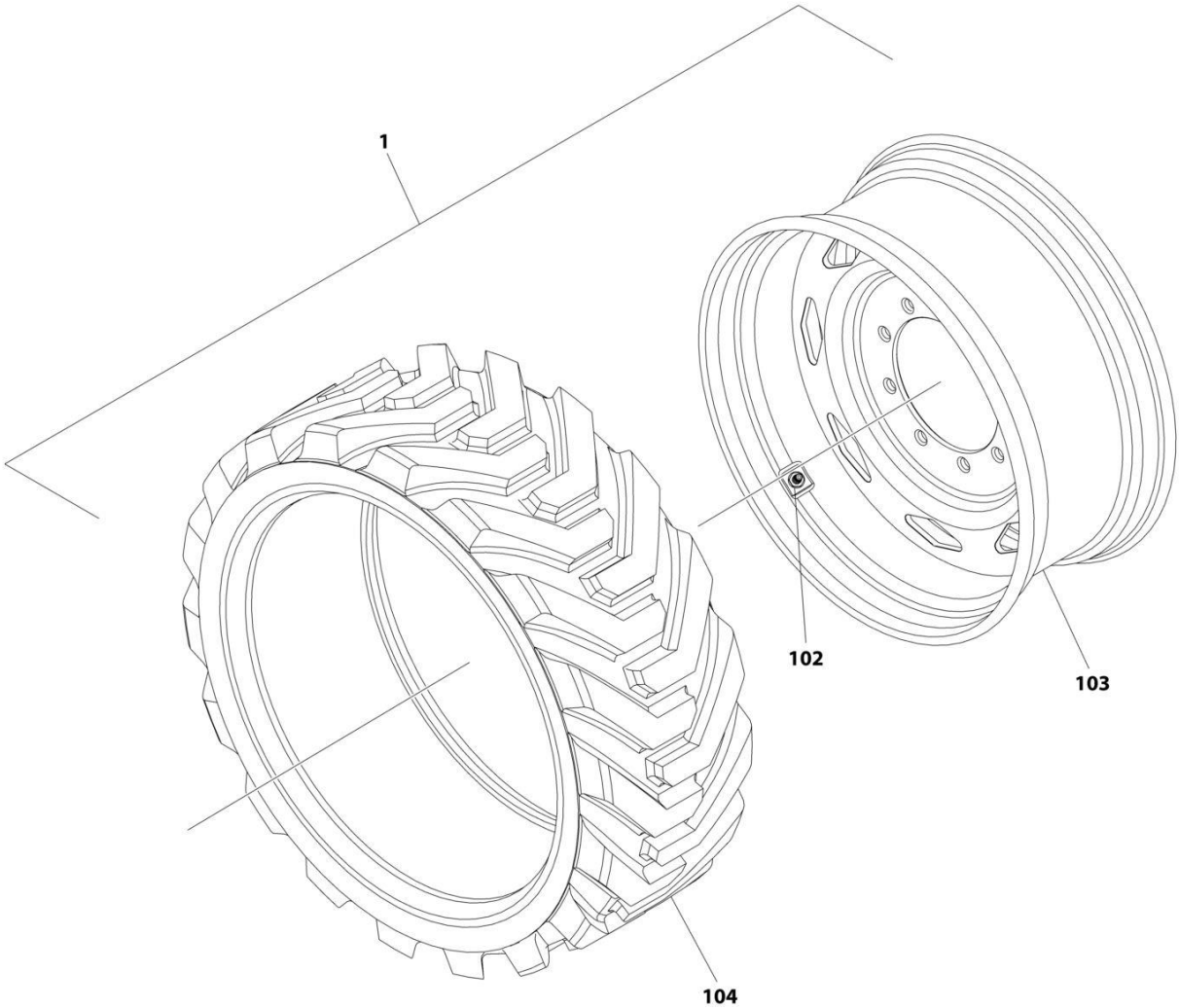
SECTION 1 - FRAME

FIGURE 1-8. TIRE AND WHEEL INSTALLATION - 14 X17.5 FOAM FILLED NON-MARKING

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

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FIGURE 1-9. TIRE AND WHEEL INSTALLATION - 33 X 12-20 FOAM FILLED



ART_1001245211

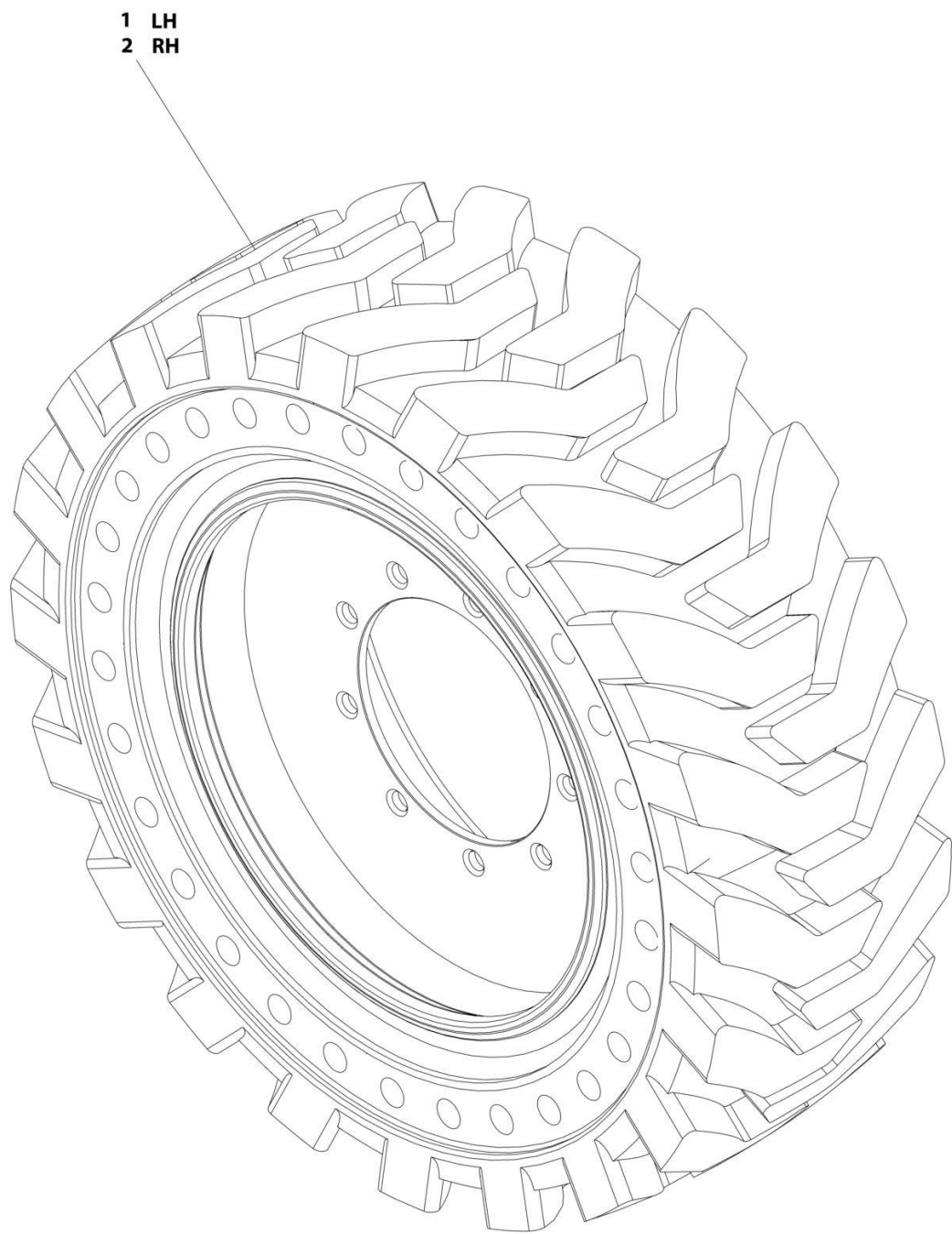
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FIGURE 1-9. TIRE AND WHEEL INSTALLATION - 33 X 12-20 FOAM FILLED

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

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FIGURE 1-10. TIRE AND WHEEL INSTALLATION - 33 X 12-20 SOLID NON-MARKING



ART_1001169062

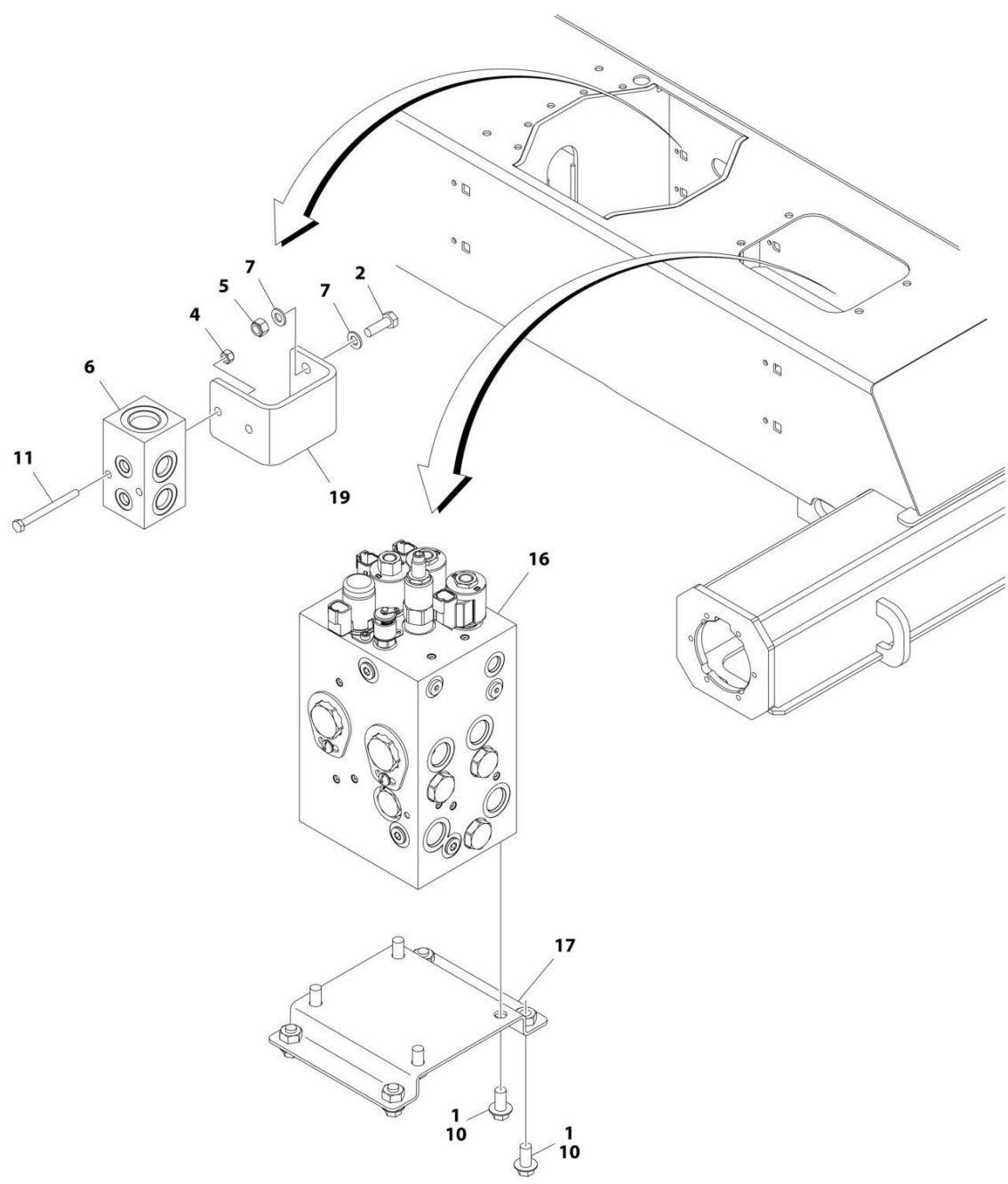
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FIGURE 1-10. TIRE AND WHEEL INSTALLATION - 33 X 12-20 SOLID NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001169062	Ref	TIRE AND WHEEL INSTALLATION - 33 X 12-20 SOLID NON-MARKING	A
		Ref	Note: Due to critical stable weights, only replace tire and wheel assemblies with like components.	
	1001170098	2	Tire and Wheel Assembly - 33 x 12-20 Solid Non-Marking (LH Side)	
	1001170099	2	Tire and Wheel Assembly - 33 x 12-20 Solid Non-Marking (RH Side)	

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FIGURE 1-11. VALVES INSTALLATION - FRAME MOUNTED



ART_1001271795_1OF3

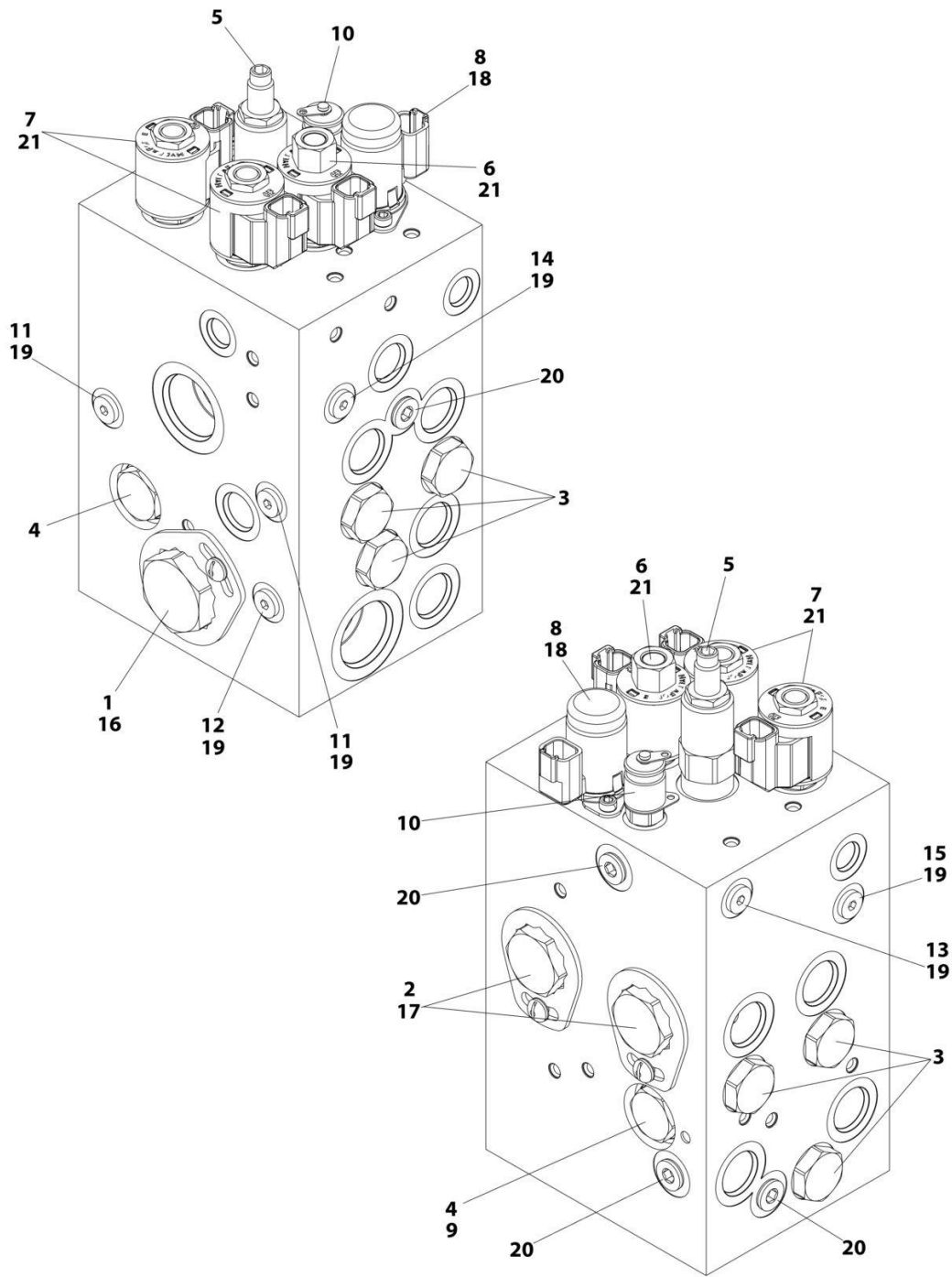
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FIGURE 1-11. VALVES INSTALLATION - FRAME MOUNTED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001271795	Ref	4WD VALVES INSTALLATION - BOOM MOUNTED	B
1	0100011	AR	Compound, Locking	
2	0760812	2	Bolt M8 x 25	
4	3290605	2	Nut M6	
5	3290805	2	Nut M8	
6	4641155	1	Junction Valve Assembly	
7	4811900	4	Washer M8	
10	5251010	15	Bolt M10 x 25	
11	1001096653	2	Bolt M6 x 70	
16	1001162539	1	Traction Valve Assembly (See Separate Breakdown in this Section)	
17	1001179517	1	Bracket	
19	1001197221	1	Bracket	

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FIGURE 1-12. TRACTION VALVE ASSEMBLY



ART_1001162539

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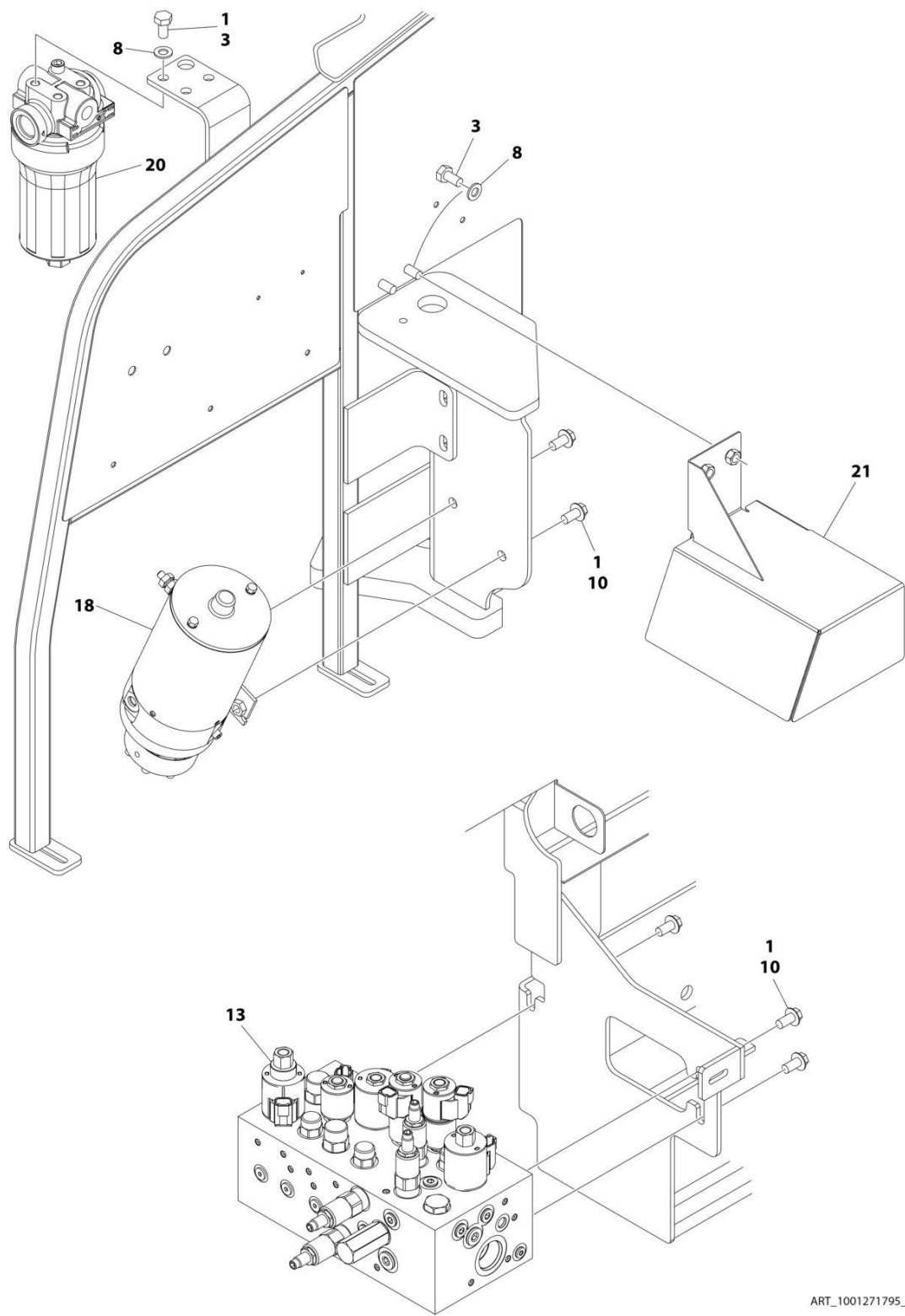
FIGURE 1-12. TRACTION VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162539	Ref	TRACTION VALVE ASSEMBLY - 4WD	D
1	70004017	1	Cartridge, Flow Divider	
1	7021625	1	Seal Kit - 70004017 Valve	
2	70004885	2	Cartridge, Flow Divider	
2	70004577	2	Seal Kit - 70004885 Valve	
3	7022397	6	Cartridge, Check Valve	
3	7022399	6	Seal Kit - 7022397 Valve	
4	7021639	2	Cartridge, Check Valve	
4	2900756	2	Seal Kit - 7021639 Valve	
5	70004886	1	Cartridge, Relief Valve	
5	7017496	1	Seal Kit - 70004886 Valve	
6	7017410	1	Cartridge, Solenoid Less Coil	
6	7012967	1	Seal Kit - 7017410 Valve	
7	7012974	2	Cartridge, Solenoid Less Coil	
7	7010543	2	Seal Kit - 7012974 Valve	
8	70004887	1	Cartridge, Solenoid Less Coil	
8	70023606	1	Seal Kit - 70004887 Valve	
8	7024885	1	Coil	
9	7024881	1	Piston, Pilot	
10	2221086	1	Fitting, Diagnostic	
11	70003975	2	Orifice	
12	70002209	1	Orifice	
13	70002063	1	Orifice	
14	70004884	1	Orifice	
15	70004883	1	Orifice	
16	70000781	1	Locking Kit	
17	70002962	2	Locking Kit	
18	70004888	2	Screw	
19	2220883	6	Plug #4	
20	2220885	5	Plug #6	
21	70002386	3	Coil	

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FIGURE 2-1. VALVES INSTALLATION - TURNTABLE MOUNTED



ART_1001271795_2OF3

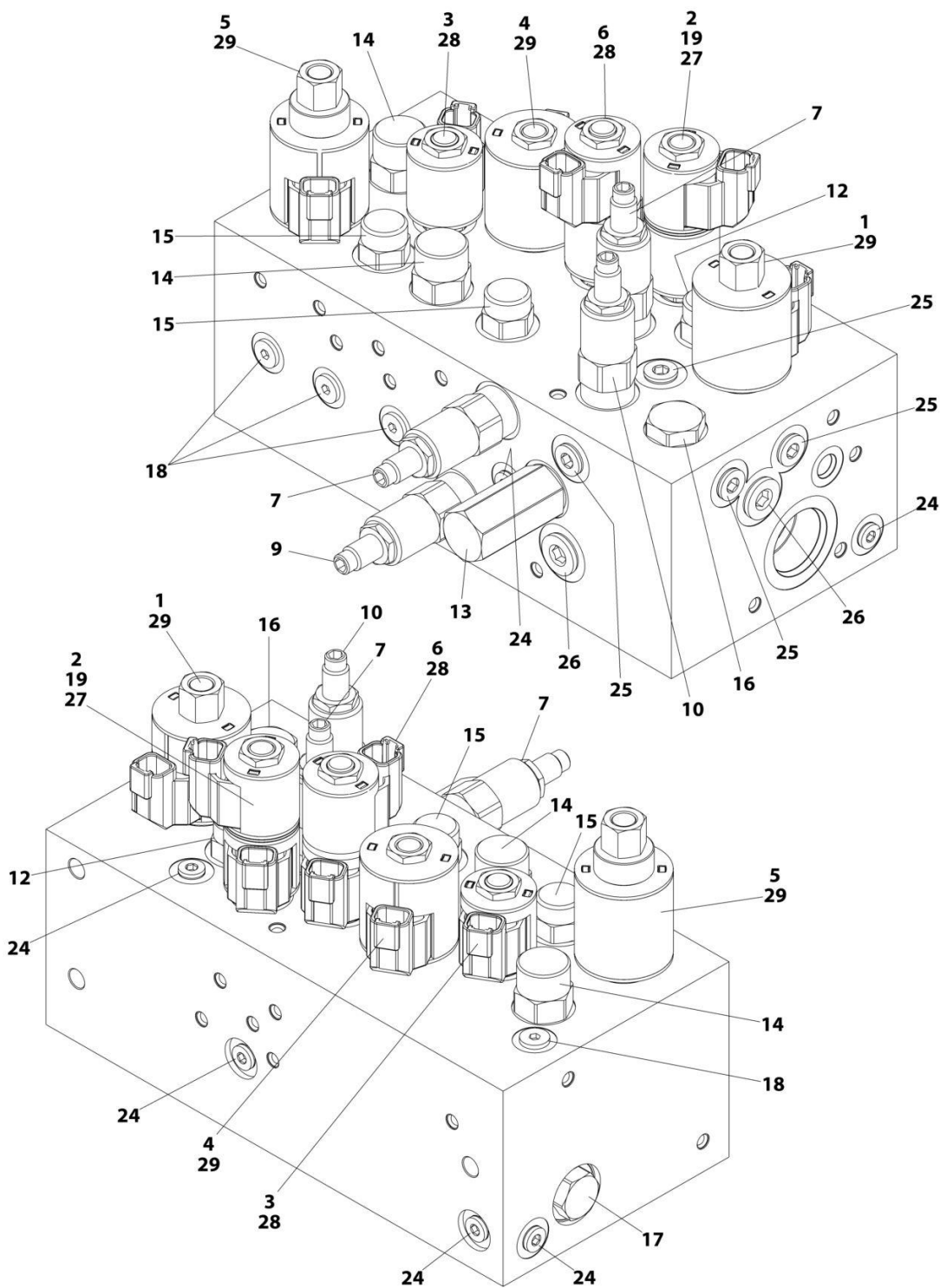
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FIGURE 2-1. VALVES INSTALLATION - TURNTABLE MOUNTED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001271795	Ref	4WD VALVES INSTALLATION - BOOM MOUNTED	B
1	0100011	AR	Compound, Locking	
3	0761010	5	Bolt M10 x 20	
8	4812000	5	Washer M10	
10	5251010	15	Bolt M10 x 25	
13	1001162534	1	Main Valve Assembly (See Separate Breakdown in this Section)	
18	1001185821	1	Auxiliary Pump Assembly (See Separate Breakdown in this Section)	
20	1001208874	1	Filter, Charge Pump	
20	70010383	1	Element, Filter (Includes O-Ring)	
21	1001265186	1	Cover	

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FIGURE 2-2. MAIN VALVE ASSEMBLY



ART_1001162534

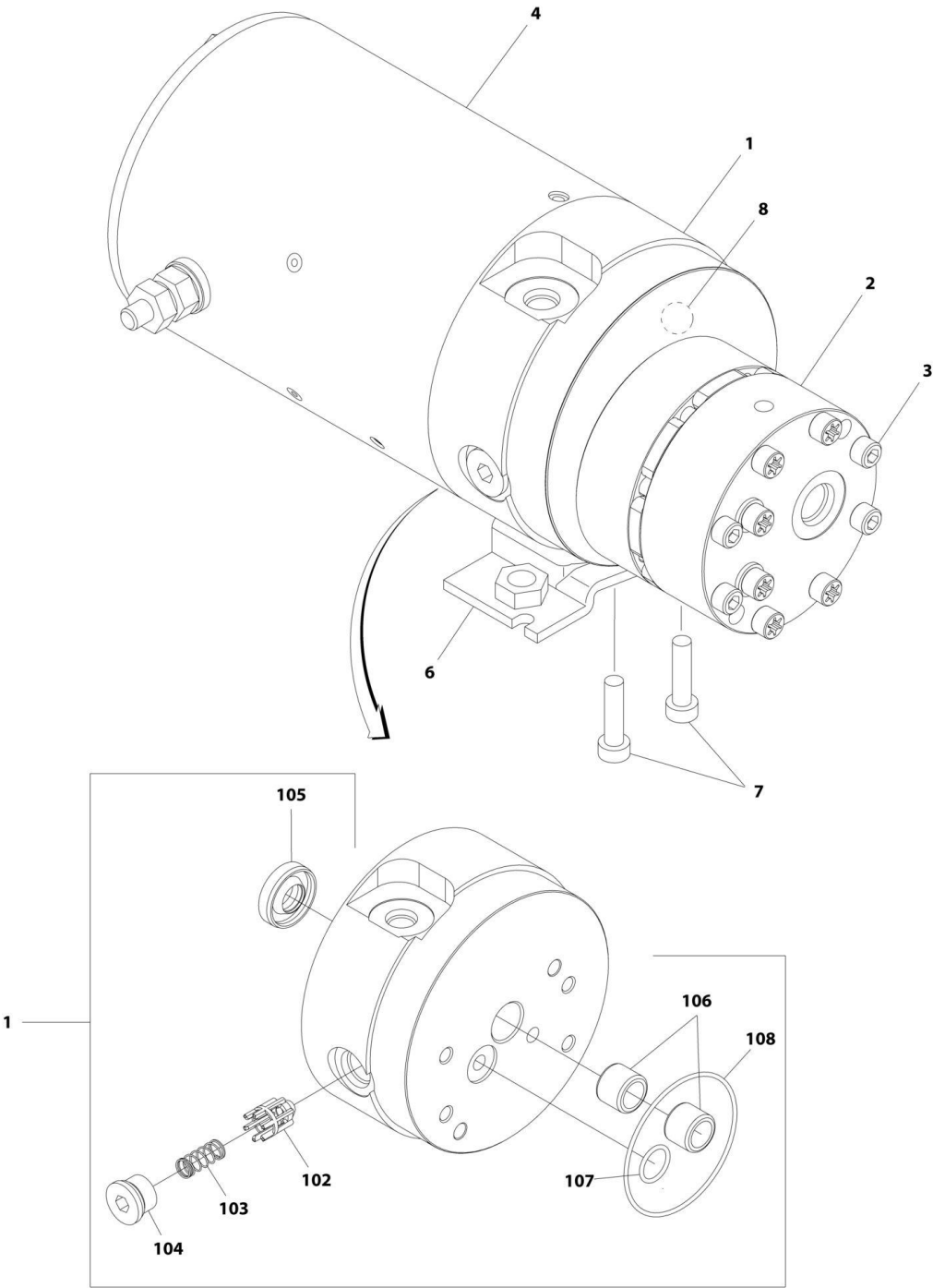
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FIGURE 2-2. MAIN VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162534	Ref	MAIN VALVE ASSEMBLY	F
1	70005069	1	Cartridge, Solenoid Less Coil (Main Dump)	
1	7022399	1	Seal Kit - 70005069 Valve	
1	70003977	1	Nut, Coil	
2	70005217	1	Cartridge, Solenoid Less Coil (Steer)	
2	70005071	1	Seal Kit - 70005217 Valve	
2	7022390	1	Nut, Coil	
3	70005094	1	Cartridge, Solenoid Less Coil (Main Lift Up)	
3	7023936	1	Seal Kit - 70005094 Valve	
3	7022390	1	Nut, Coil	
4	70005076	1	Cartridge, Solenoid Less Coil (Tower Lift Up)	
4	7022399	1	Seal Kit - 70005076 Valve	
4	7022390	1	Nut, Coil	
5	70005095	1	Cartridge, Solenoid Less Coil (Flow Control)	
5	7022399	1	Seal Kit - 70005095 Valve	
5	70003977	1	Nut, Coil	
6	70005096	1	Cartridge, Solenoid Less Coil (Swing)	
6	70005071	1	Seal Kit - 70005096 Valve	
7	70005097	1	Cartridge, Solenoid Less Coil	
7	70005082	2	Seal Kit - 70005097 Valve	
9	70005098	1	Cartridge, Relief Valve	
9	7023936	1	Seal Kit - 70005098 Valve	
10	70005080	1	Cartridge, Relief Valve	
10	7022399	1	Seal Kit - 70005080 Valve	
12	70005218	1	Cartridge, Valve	
12	70005082	1	Seal Kit - 70005218 Valve	
13	70005084	1	Cartridge, Valve	
13	70005085	1	Seal Kit - 70005084 Valve	
14	70005099	2	Cartridge, Valve	
14	70005087	2	Seal Kit - 70005099 Valve	
15	70005088	2	Cartridge, Valve	
15	7023900	2	Seal Kit - 70005088 Valve	
16	70005100	1	Cartridge, Check Valve	
16	7022399	1	Seal Kit - 70005100 Valve	
17	70005089	1	Cartridge, Check Valve	
17	7023936	1	Seal Kit - 70005089 Valve	
18	70005090	5	Cartridge, Check Valve	
18	70005092	5	Seal Kit - 70005092 Valve	
19	See Note	1	Disc, Check Valve (Note: Not Available for Purchase)	
24	91164059	7	Plug	
25	91164079	4	Plug	
26	91164057	2	Plug	
27	70005219	2	Coil	
28	70002386	3	Coil	
29	70003788	3	Coil	

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FIGURE 2-3. AUXILIARY PUMP ASSEMBLY



ART_1001185821

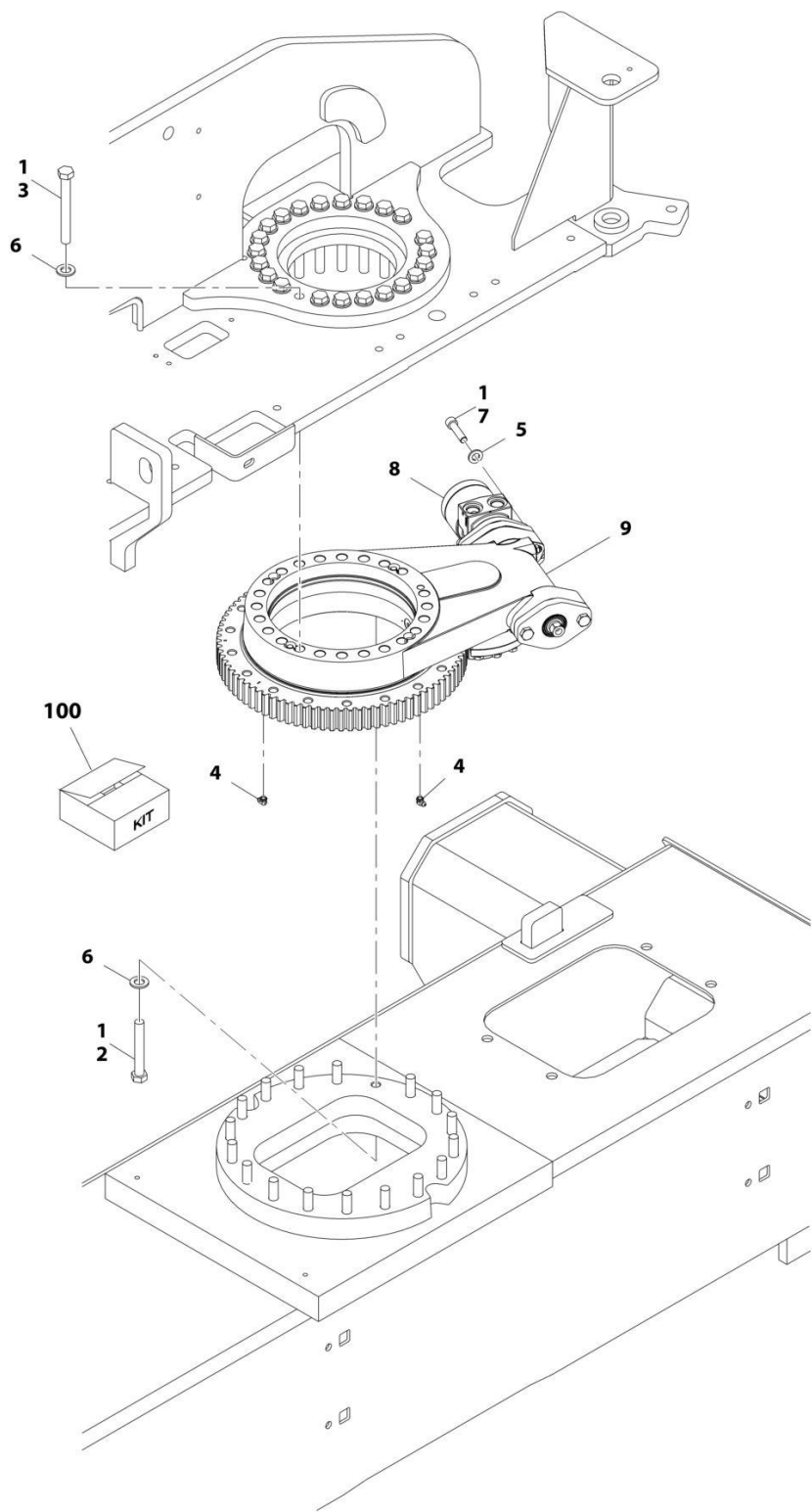
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FIGURE 2-3. AUXILIARY PUMP ASSEMBLY

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

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FIGURE 2-4. SWING DRIVE AND TURNTABLE BEARING INSTALLATION



ART_1001165946

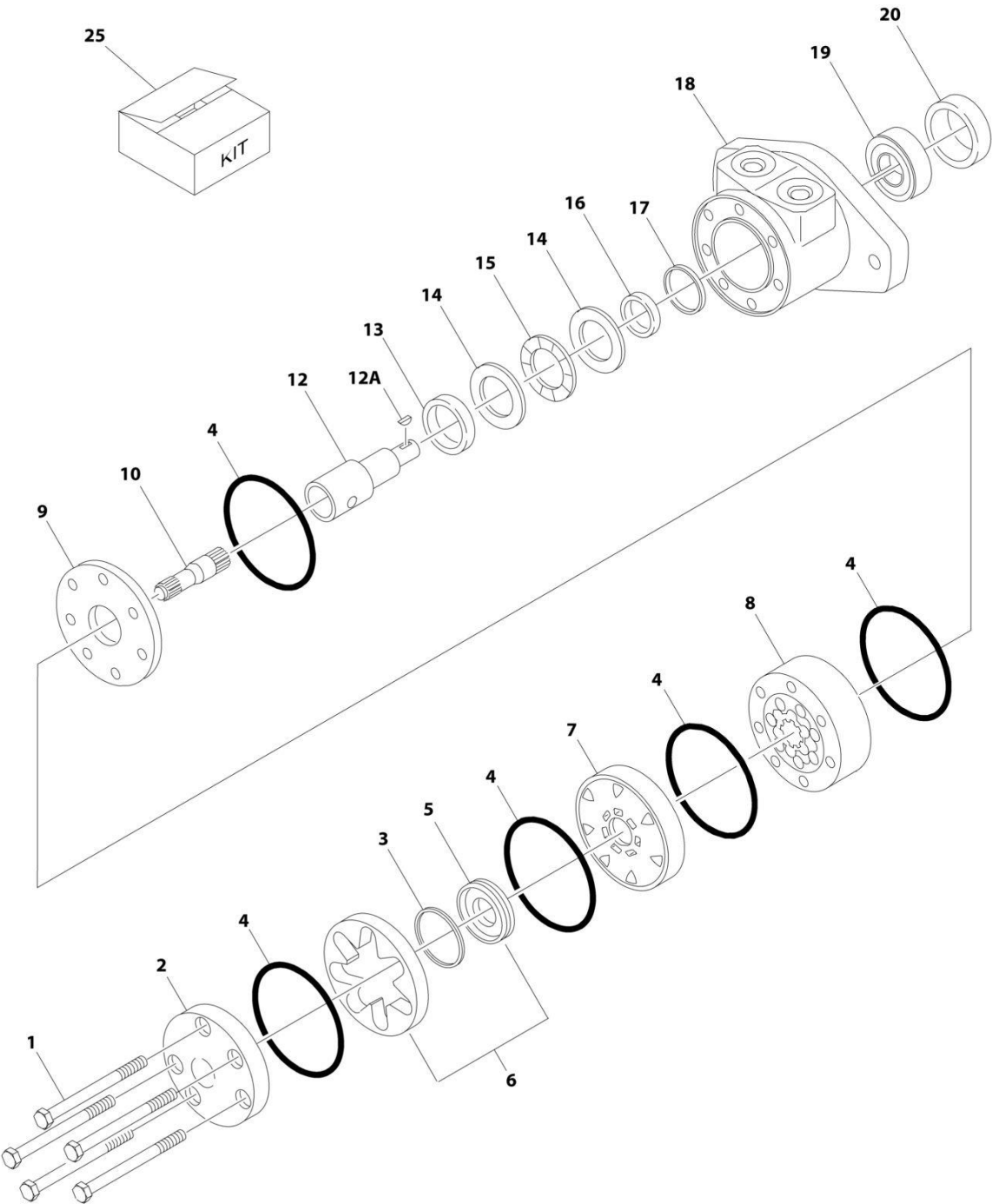
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FIGURE 2-4. SWING DRIVE AND TURNTABLE BEARING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165946	Ref	SWING DRIVE AND TURNTABLE BEARING INSTALLATION	B
1	0100019	AR	Compound, Locking	
2	0711628	18	Bolt M16 x 110 Grade 10.9	
3	0711631	23	Bolt M16 x 140	
4	2160001	2	Fitting, Grease 90	
5	5241200	2	Washer M12	
6	5241600	41	Washer M16	
7	5272114	2	Capscrew M12 x 50 Grade 12.9	
8	1001104850	1	Swing Motor Assembly (See Separate Breakdown in this Section)	
9	1001133972	1	Turntable Bearing Assembly (See Separate Breakdown in this Section)	
100	1001206436	1	Turntable Bearing Kit (Includes Items 2-7 & 9)	

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FIGURE 2-5. SWING MOTOR ASSEMBLY



ART_1001104850

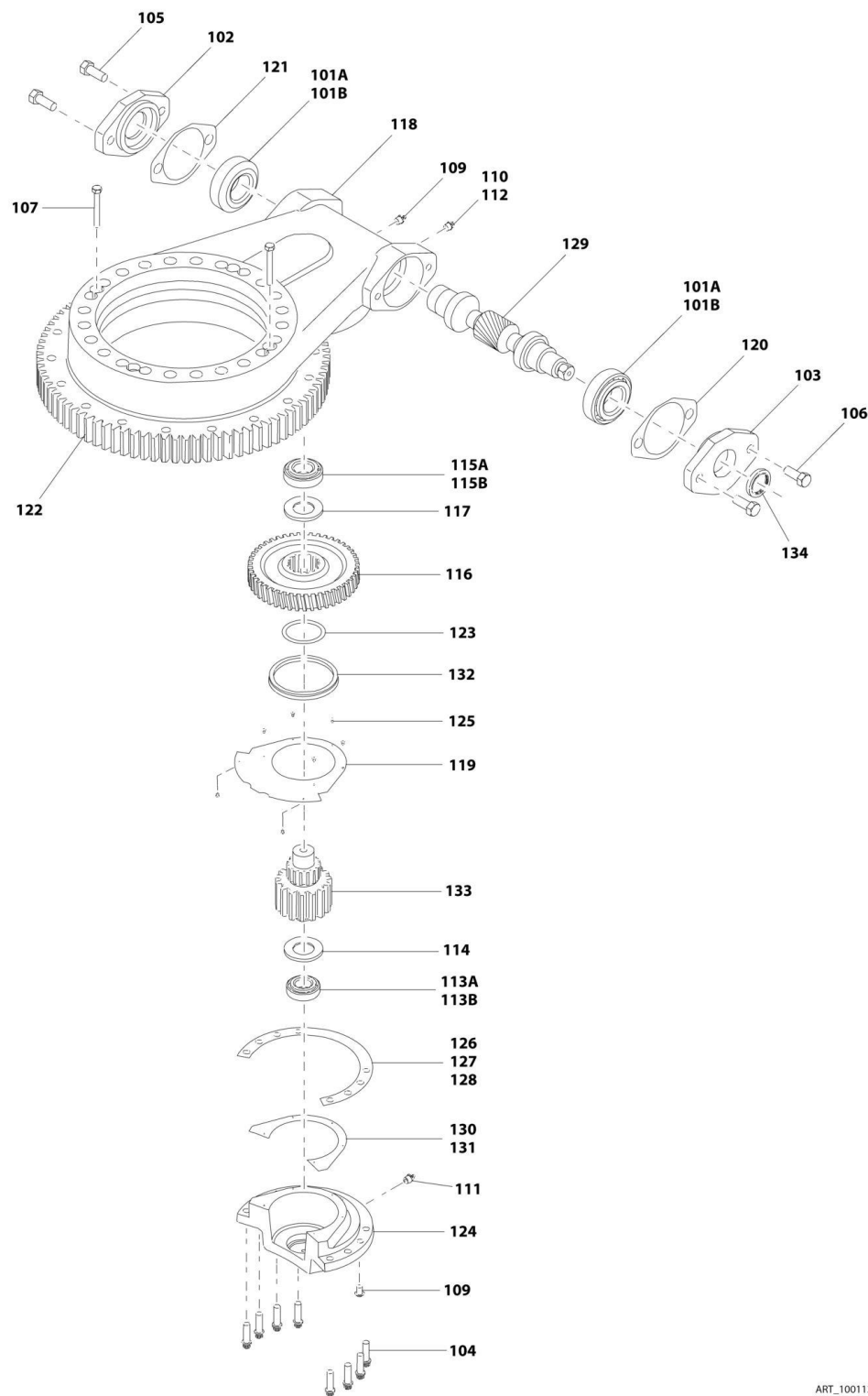
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FIGURE 2-5. SWING MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001104850	Ref	SWING MOTOR ASSEMBLY	A
1	See Note	5	Bolt (Note: Not Available for Purchase)	
2	7004035	1	Cover, End	
3	7023318	1	Seal, Commutator	
4	7004036	5	O-Ring	
5	See Note	NSS	Commutator (Note: Use Item 6)	
6	7024453	1	Commutator and Ring Assembly (Includes Item 5)	
7	7024379	1	Manifold	
8	70002206	1	Rotor Set	
9	7024380	1	Plate, Wear	
10	70002207	1	Link, Drive	
12	70000088	1	Shaft, Coupling	
12A	70000089	1	Key	
13	7024381	1	Bushing, Inner	
14	7004043	1	Thrustwasher	
15	7004044	1	Bearing, Thrust	
16	7004049	1	Seal, Inner Shaft	
17	7004045	1	Ring, Back-up	
18	See Note	NSS	Housing (Note: Not Available - Purchase Complete Motor)	
19	7024390	1	Bearing	
20	7004047	1	Seal, Outer Shaft	
25	7024389	1	Seal Kit (Includes Items 3, 4, 16, 17 & 20)	

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FIGURE 2-6. TURNTABLE BEARING ASSEMBLY



ART_1001133972

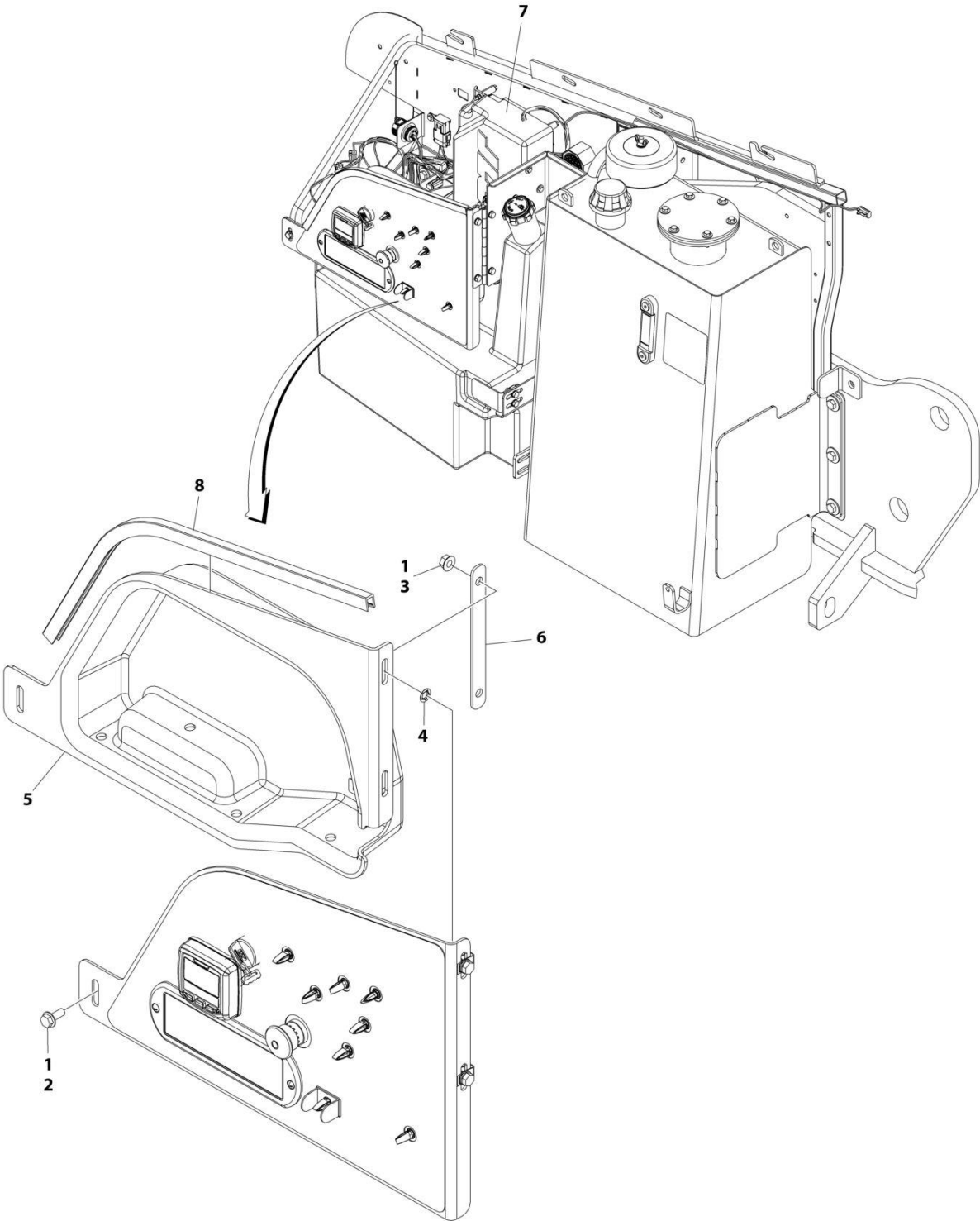
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FIGURE 2-6. TURNTABLE BEARING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001133972	Ref	TURNTABLE BEARING ASSEMBLY	D
101A	7026042	2	Cup, Bearing	
101B	7026043	2	Cone, Bearing	
102	7027356	1	Adapter, Motor	
103	7027354	1	Cap, Worm	
104	70004249	8	Bolt M10 x 35 Grade 10.9	
105	70004250	2	Bolt M12 x 30 Grade 10.9	
106	70004251	2	Bolt M12 x 40 Grade 10.9	
107	70004252	2	Bolt M8 x 65mm	
109	70000865	1	Plug	
110	70002649	1	Vent, Pressure	
111	70002651	1	Fitting, Grease	
112	7026044	1	Bushing, Reducer	
113A	7026045	1	Cup, Bearing	
113B	7026047	1	Cone, Bearing	
114	7026046	1	Ring, Grease	
115A	7026048	1	Cup, Bearing	
115B	7026049	1	Cone, Bearing	
116	7026050	1	Worm-Gear	
117	7026052	1	Spacer, Washer	
118	See Note	1	Housing (Note: Not Available - Purchase Complete Assembly)	
119	7026053	1	Cover, Gear	
120	7027350	AR	Shim, Blue (.005in)	
120	7027351	AR	Shim, Clear (.0075in)	
120	7027352	AR	Shim, Brown (.010in)	
121	7027353		Shim, Yellow (.020in)	
122	70004253	1	Bearing, Turntable	
123	70004254	1	O-Ring	
124	70004255	1	Cap, Gear	
125	70004256	8	Bolt M4 x 8	
126	70004257	AR	Shim, Green (.003)	
127	70004258	AR	Shim, Blue (.005)	
128	70004259	AR	Shim, Natural (.0075)	
129	7026057	1	Gear, Worm	
130	70004260	AR	Shim, Blue (.005)	
131	70004261	AR	Shim, Yellow (.020)	
132	70004262	1	Seal, Oil	
133	7026051	1	Pinion, Output	
134	70004263	1	Seal, Oil	

SECTION 2 - TURNTABLE

FIGURE 2-7. TURNTABLE COVERS INSTALLATION



ART_1001219129

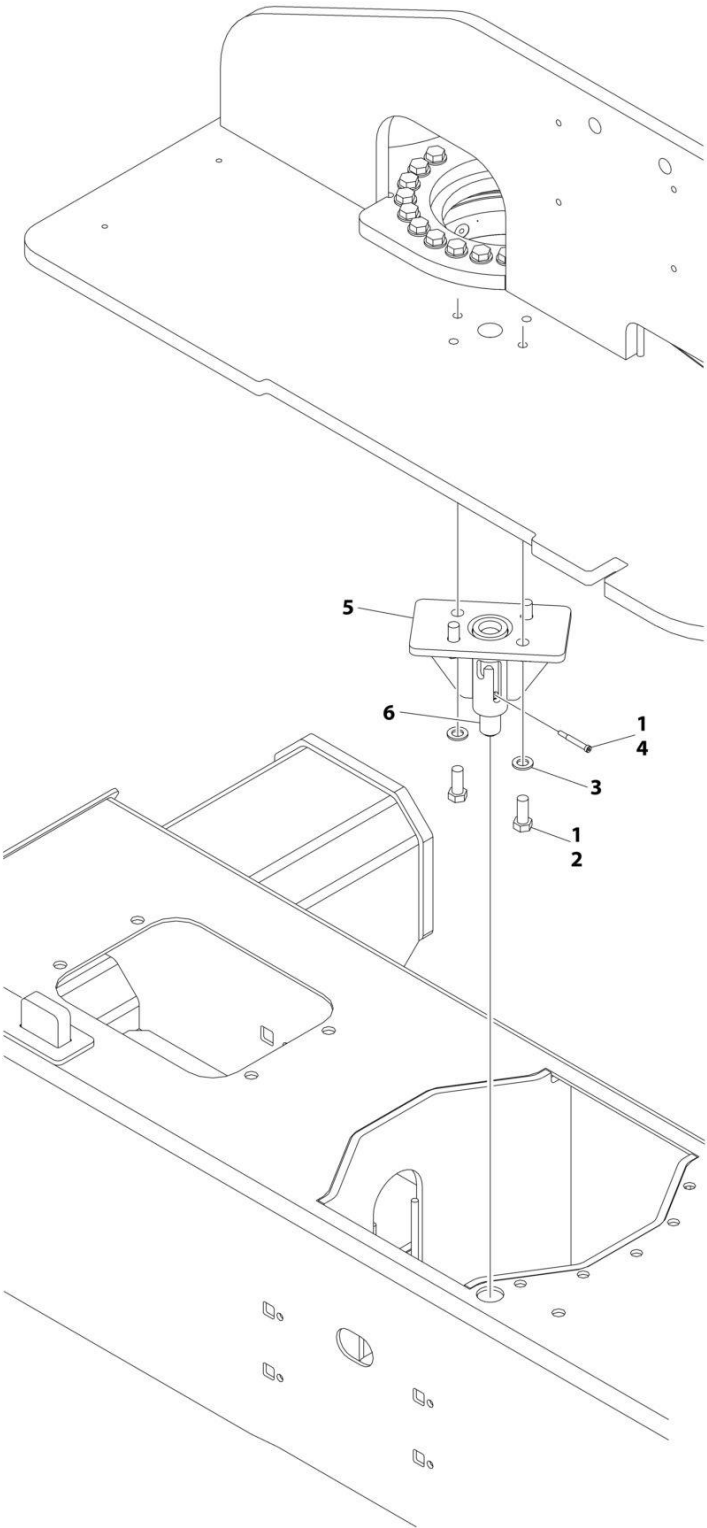
SECTION 2 - TURNTABLE

FIGURE 2-7. TURNTABLE COVERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219129	Ref	TURNTABLE COVERS INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	5250812	1	Bolt M8 x 25	
3	5260800	2	Nut M8	
4	1001119228	2	Nut M8	
5	1001218533	1	Cover	
6	1001218535	1	Plate, Mounting	
7	1001218537	1	Cover	
8	4060806	2 ft/0.6m	Shield, Flex	

SECTION 2 - TURNTABLE

FIGURE 2-8. TURNTABLE LOCK INSTALLATION



ART_1001275935

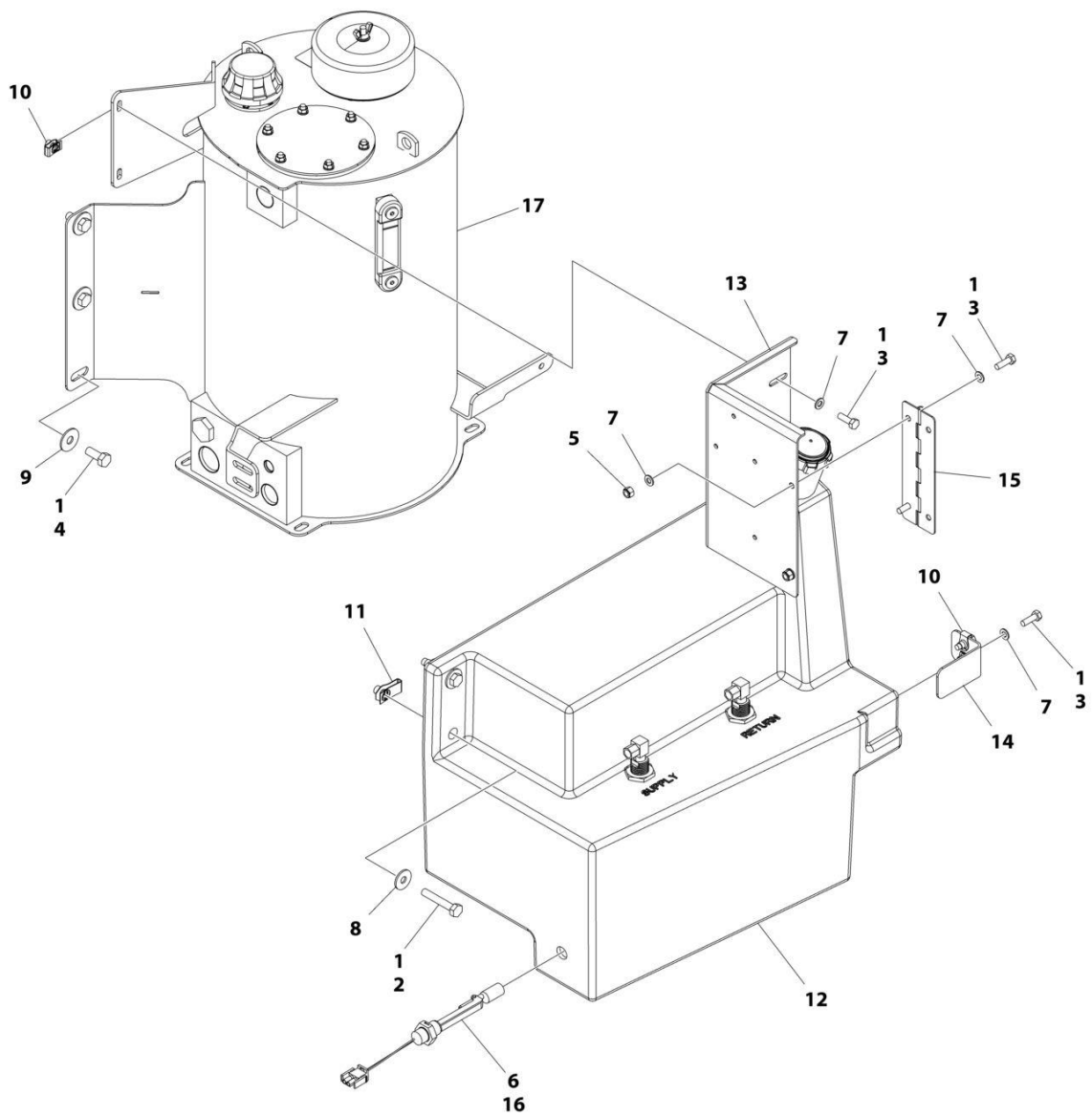
SECTION 2 - TURNTABLE

FIGURE 2-8. TURNTABLE LOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275935	Ref	TURNTABLE LOCK INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0701616	4	Bolt M16 x 40	
3	4812300	4	Washer M16	
4	1001157466	1	Bolt M10 x 30	
5	1001177821	1	Support, Lock	
6	1001177834	1	Pin, Lock	
7	1001275936	1	Decal - Lift Diagram (Not Shown)	

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FIGURE 2-9. TANKS INSTALLATION (17 GAL HYDRAULIC TANK WITH 4 INCH BREATHER)



ART_1001282831

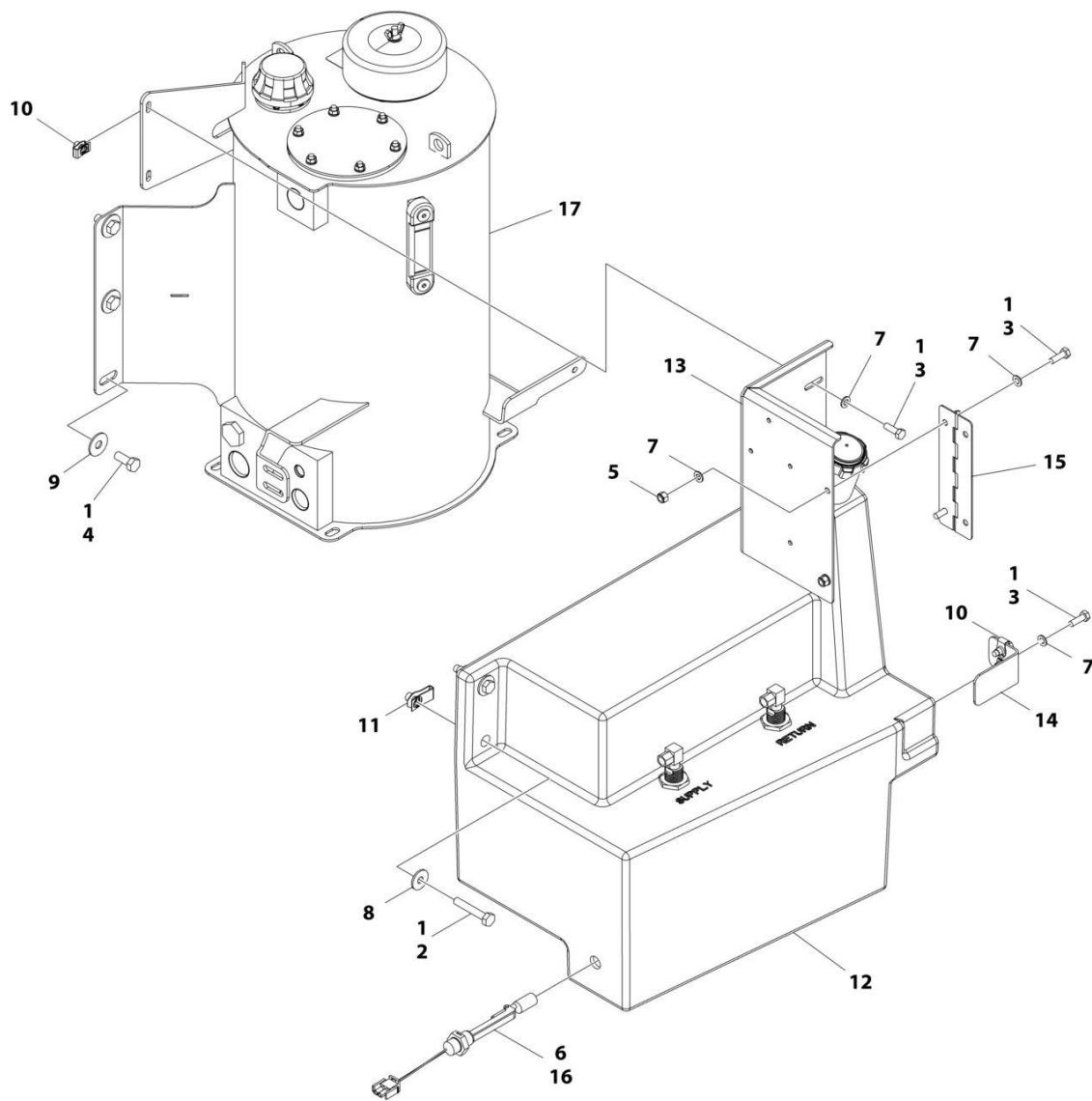
SECTION 2 - TURNTABLE

FIGURE 2-9. TANKS INSTALLATION (17 GAL HYDRAULIC TANK WITH 4 INCH BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282831	Ref	TANKS INSTALLATION - DIESEL MACHINES	A
1	0100011	AR	Compound, Locking	
2	0701020	2	Bolt M10 x 60	
3	0760812	6	Bolt M8 x 25	
4	0761214	6	Bolt M12 x 30	
5	3290805	2	Nut M8	
6	4360436	1	Switch, Fuel Level	
6	4460320	1	Plug, Male - 2 Position	
6	4460267	1	Pin, Male	
7	4811900	8	Washer M8	
8	4812002	2	Washer M10	
9	4812102	6	Washer M12	
10	1001118274	4	Nut M8	
11	1001118972	2	Nut M10	
12	1001163061	1	Fuel Tank Assembly	
12	1001193336	1	Cap, Fuel	
12	70004876	2	Tube, Pick-up	
12	0100020	AR	Compound, Locking	
13	1001169898	1	Support, Ground Control	
14	1001170480	1	Support, Tank	
15	1001179339	1	Hinge	
16	1001182997	AR	Adhesive	
17	1001274525	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

SECTION 2 - TURNTABLE

FIGURE 2-10. TANKS INSTALLATION (17 GAL HYDRAULIC TANK WITH 6 INCH BREATHER)



ART_1001207347

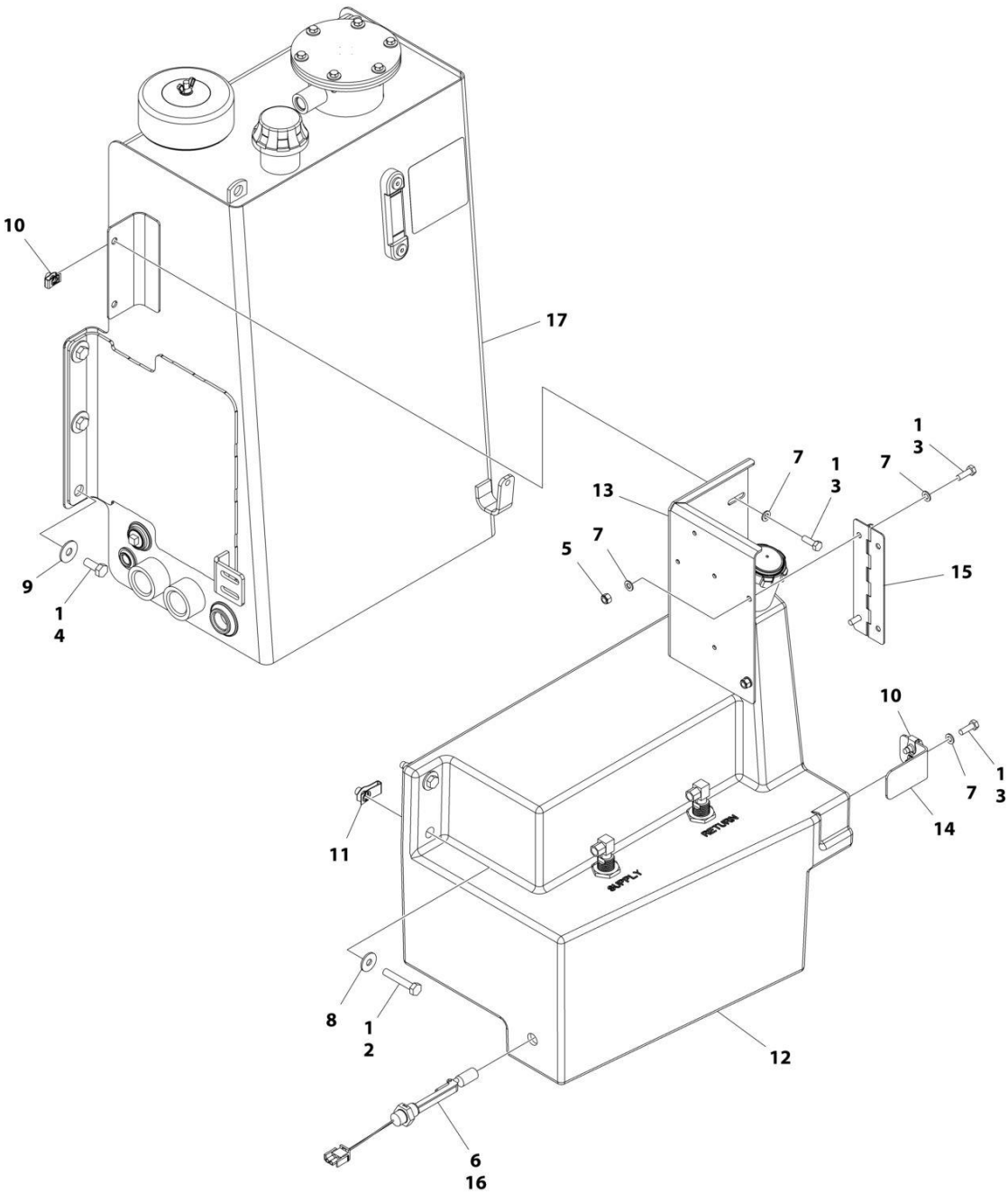
SECTION 2 - TURNTABLE

FIGURE 2-10. TANKS INSTALLATION (17 GAL HYDRAULIC TANK WITH 6 INCH BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207347	Ref	TANKS INSTALLATION - DIESEL MACHINES	B
1	0100011	AR	Compound, Locking	
2	0701020	2	Bolt M10 x 60	
3	0760812	6	Bolt M8 x 25	
4	0761214	6	Bolt M12 x 30	
5	3290805	2	Nut M8	
6	4360436	1	Switch, Fuel Level	
6	4460320	1	Plug, Male - 2 Position	
6	4460267	1	Pin, Male	
7	4811900	8	Washer M8	
8	4812002	2	Washer M10	
9	4812102	6	Washer M12	
10	1001118274	4	Nut M8	
11	1001118972	2	Nut M10	
12	1001163061	1	Fuel Tank Assembly	
12	1001193336	1	Cap, Fuel	
12	70004876	2	Tube, Pick-up	
12	0100020	AR	Compound, Locking	
13	1001169898	1	Support, Ground Control	
14	1001170480	1	Support, Tank	
15	1001179339	1	Hinge	
16	1001182997	AR	Adhesive	
17	1001206916	1	Hydraulic Tank Assembly	
17	70003614	1	Filter Kit (Includes Hydraulic Element, Breather Element and Gasket)	
17	70002838	1	Fill Cap Assembly (Includes Cap, Chain and Fill Basket)	
17	7024441	1	Gauge, Sight	
17	70002112	1	Plug, Drain	

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FIGURE 2-11. TANKS INSTALLATION (36 GAL HYRDRAULIC TANK)



ART_1001286651

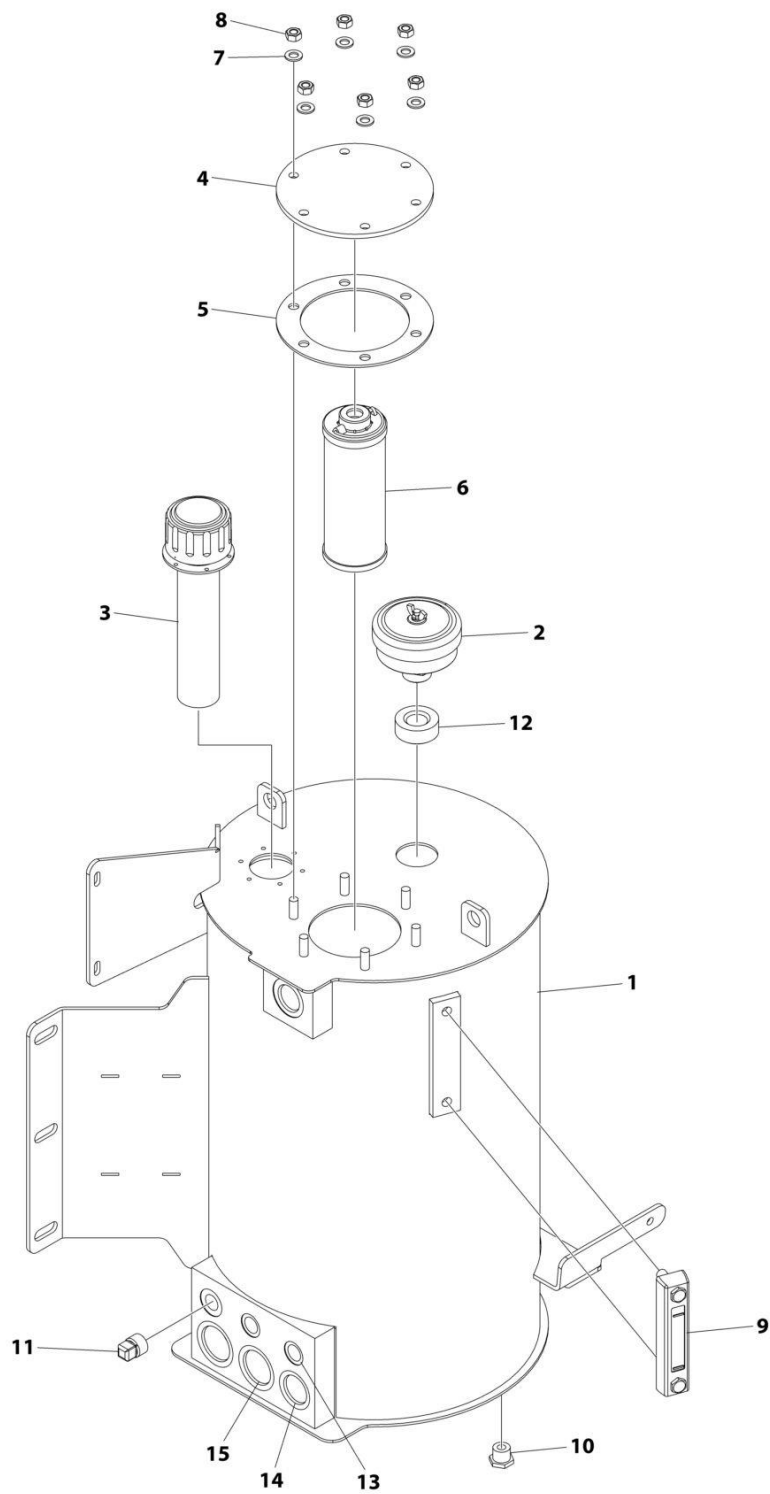
SECTION 2 - TURNTABLE

FIGURE 2-11. TANKS INSTALLATION (36 GAL HYDRRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286651	Ref	TANKS INSTALLATION - DIESEL MACHINES	A
1	0100011	AR	Compound, Locking	
2	0701020	2	Bolt M10 x 60	
3	0760812	6	Bolt M8 x 25	
4	0761214	6	Bolt M12 x 30	
5	3290805	2	Nut M8	
6	4360436	1	Switch, Fuel Level	
6	4460320	1	Plug, Male - 2 Position	
6	4460267	1	Pin, Male	
7	4811900	8	Washer M8	
8	4812002	2	Washer M10	
9	4812102	6	Washer M12	
10	1001118274	4	Nut M8	
11	1001118972	2	Nut M10	
12	1001163061	1	Fuel Tank Assembly	
12	1001193336	1	Cap, Fuel	
12	70004876	2	Tube, Pick-up	
12	0100020	AR	Compound, Locking	
13	1001169898	1	Support, Ground Control	
14	1001170480	1	Support, Tank	
15	1001179339	1	Hinge	
16	1001182997	AR	Adhesive	
17	1001286650	1	Hydraulic Tank Assembly	
17	70003614	1	Filter Kit (Includes Hydraulic Element, Breather Element and Gasket)	

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FIGURE 2-12. HYDRAULIC TANK ASSEMBLY - 17 GAL WITH 4 INCH BREATHER



ART_1001274525

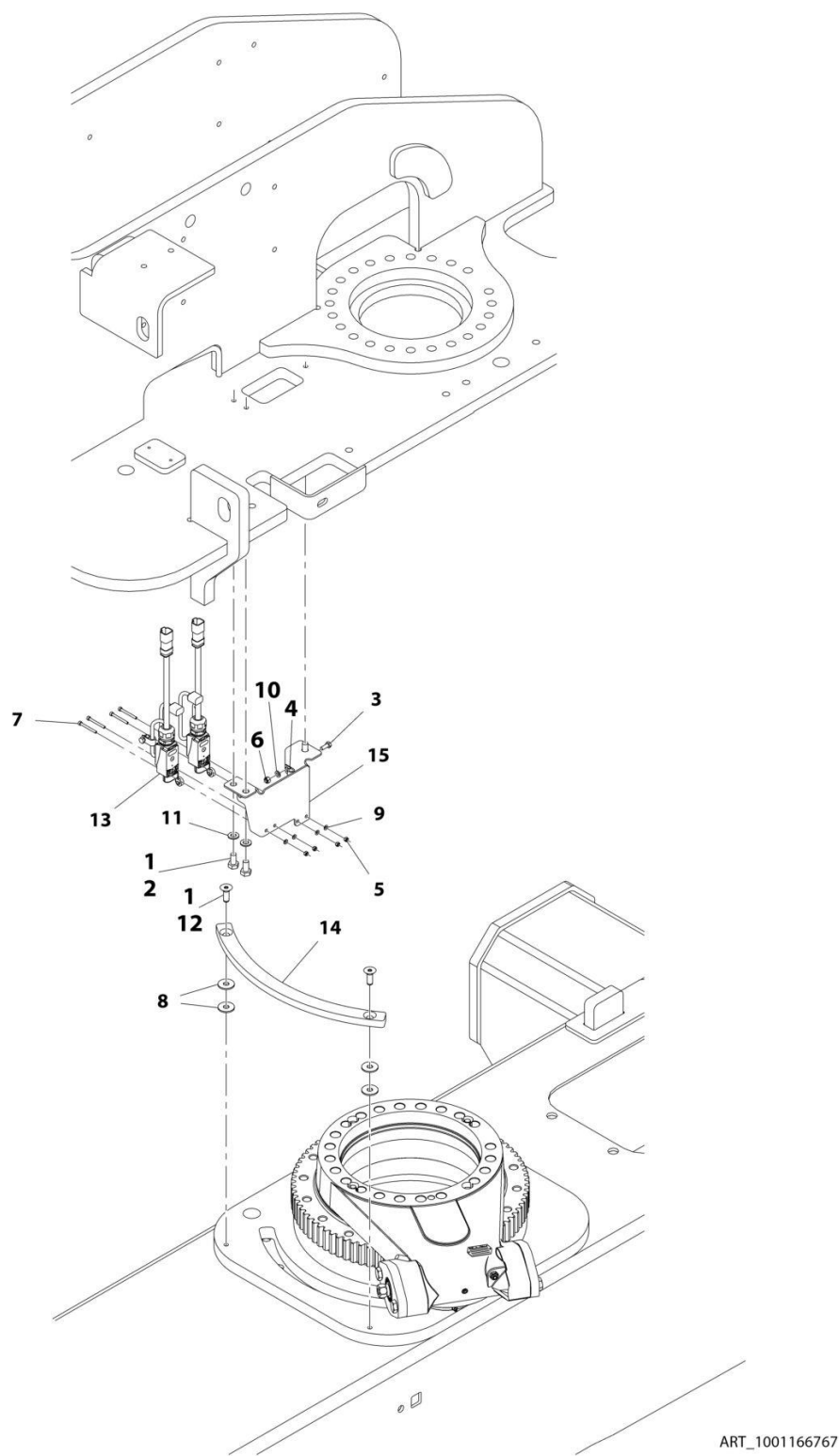
SECTION 2 - TURNTABLE

FIGURE 2-12. HYDRAULIC TANK ASSEMBLY - 17 GAL WITH 4 INCH BREATHER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274525	Ref	HYDRAULIC TANK ASSEMBLY	A
1	See Note	NSS	Tank (Note: Not Available for Purchase)	
2	70008258	1	Breather	
3	70008253	1	Cap, Fill	
4	70008259	1	Cover	
5	70008260	1	Gasket	
6	70008261	1	Filter	
7	70008262	6	Washer	
8	70008263	6	Nut M10	
9	70008264	1	Gauge, Level	
10	70008254	1	Plug 7/8	
11	70008265	1	Plug	
12	70008266	1	O-Ring	
13	70008256	2	Cover 3/4	
14	70008267	2	Cover 1-5/16	
15	70008268	2	Cover 1-5/8	

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FIGURE 2-13. DRIVE ORIENTATION INSTALLATION



ART_1001166767

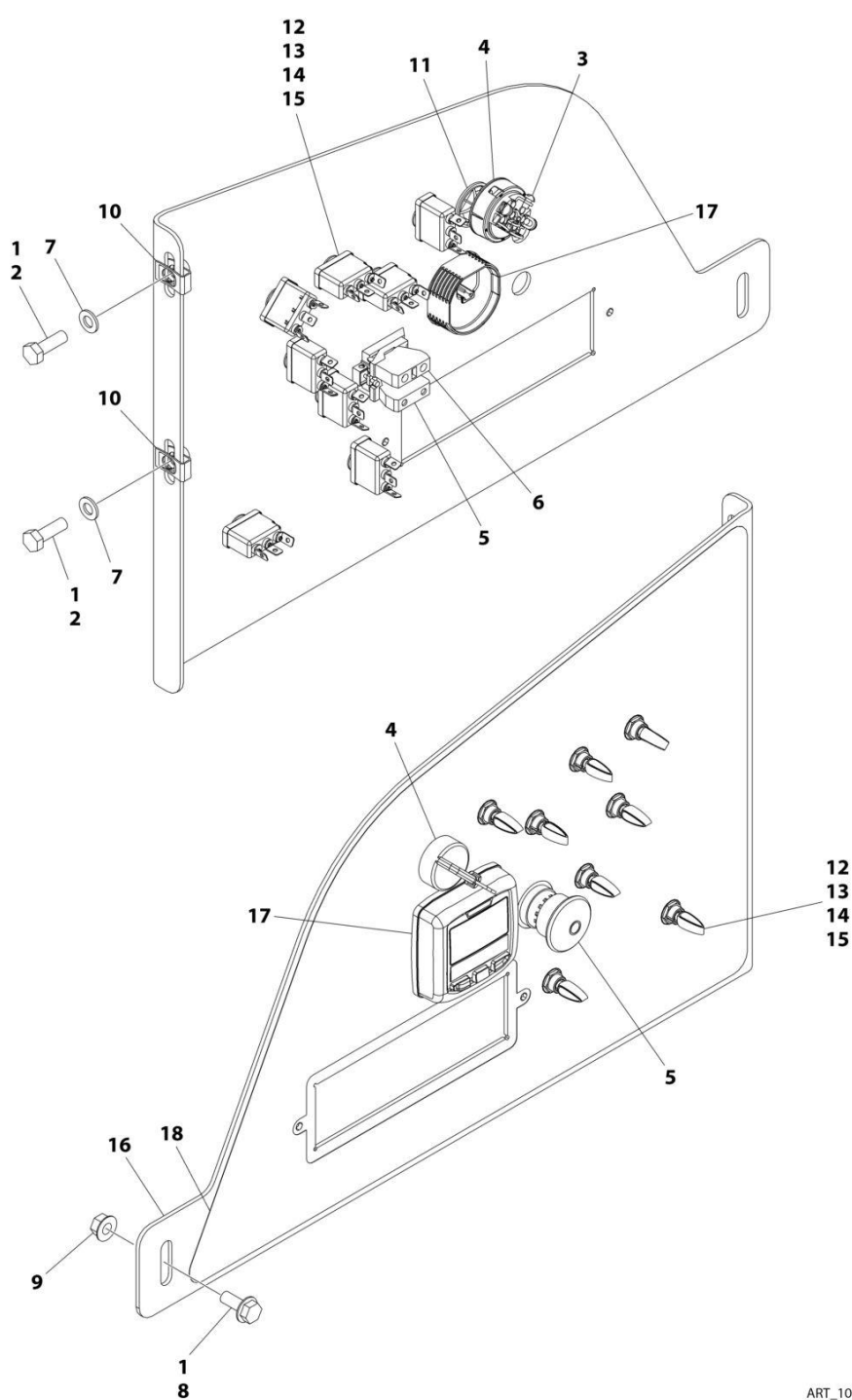
SECTION 2 - TURNTABLE

FIGURE 2-13. DRIVE ORIENTATION INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166767	Ref	DRIVE ORIENTATION INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0761010	3	Bolt M10 x 20	
3	0760608	2	Bolt M6 x 16	
4	1321293	2	Clamp, Cable	
5	3290405	4	Nut M4	
6	3290605	2	Nut M6	
7	4031512	4	Capscrew M4 x 40	
8	4812002	4	Washer M10	
9	4811400	4	Washer M4	
10	4811700	2	Washer M6	
11	4812000	3	Washer M10	
12	8310614	2	Screw M10 x 30	
13	1001119176	2	Switch, Limit	
13	1001129407	1	Receptacle, Female - 4 Position	
13	4460464	4	Pin, Male	
14	1001162106	1	Cam	
15	1001166768	1	Bracket	
16	8881800	AR	Tie-Strap (Not Shown)	

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FIGURE 2-14. GROUND CONTROL ASSEMBLY (ANSI EXPORT AND AUSTRALIAN SPECS)



ART_1001246450

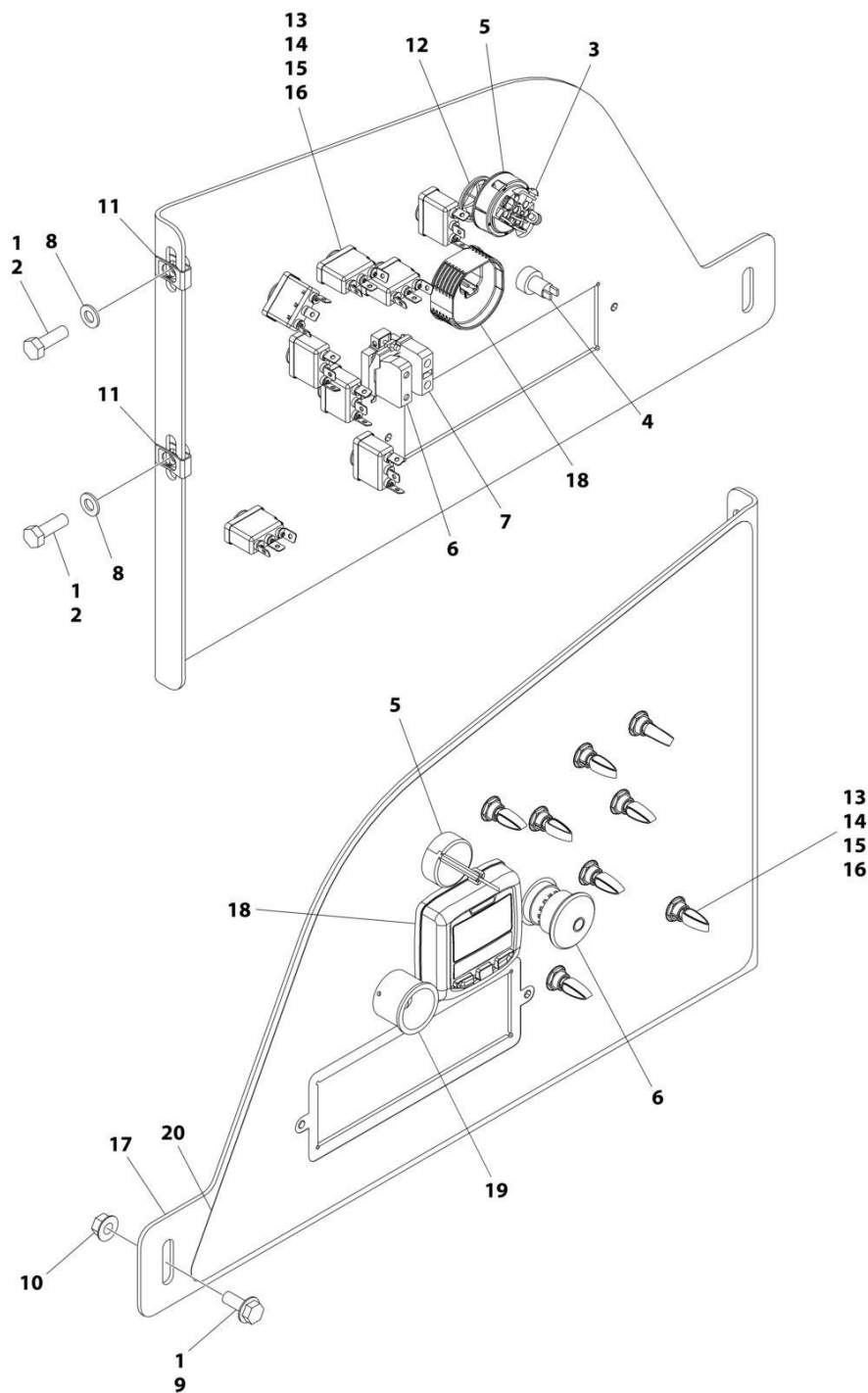
SECTION 2 - TURNTABLE

FIGURE 2-14. GROUND CONTROL ASSEMBLY (ANSI EXPORT AND AUSTRALIAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246450	Ref	GROUND CONTROL ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0760812	2	Bolt M8 x 25	
3	3910804	3	Screw M8 x 1/4	
4	4360469	1	Switch, Key	
4	2860030	1	Key, Replacement	
5	4360475	1	Switch, Emergency	
5	7020175	1	Cap	
5	7020176	1	Block, Contact	
6	4360476	1	Block, Contact	
7	4811900	2	Washer M8	
8	5250810	1	Bolt M8 x 20	
9	5260800	1	Nut M8	
10	1001118274	2	Nut M8	
11	1001151393	1	Shim .063	
12	1001155043	8	Washer	
13	1001155044	8	Nut, Special 15/32-32	
14	1001155045	8	Switch, Toggle	
15	1001162807	8	Washer	
16	1001264735	1	Panel, Ground Control	
17	1001171482	1	Gauge, Display	
18	1001264733	1	Decal - Ground Control	

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FIGURE 2-15. GROUND CONTROL ASSEMBLY (CE(LRC), CIS/EAC & UK CA SPECS)



ART_1001246451

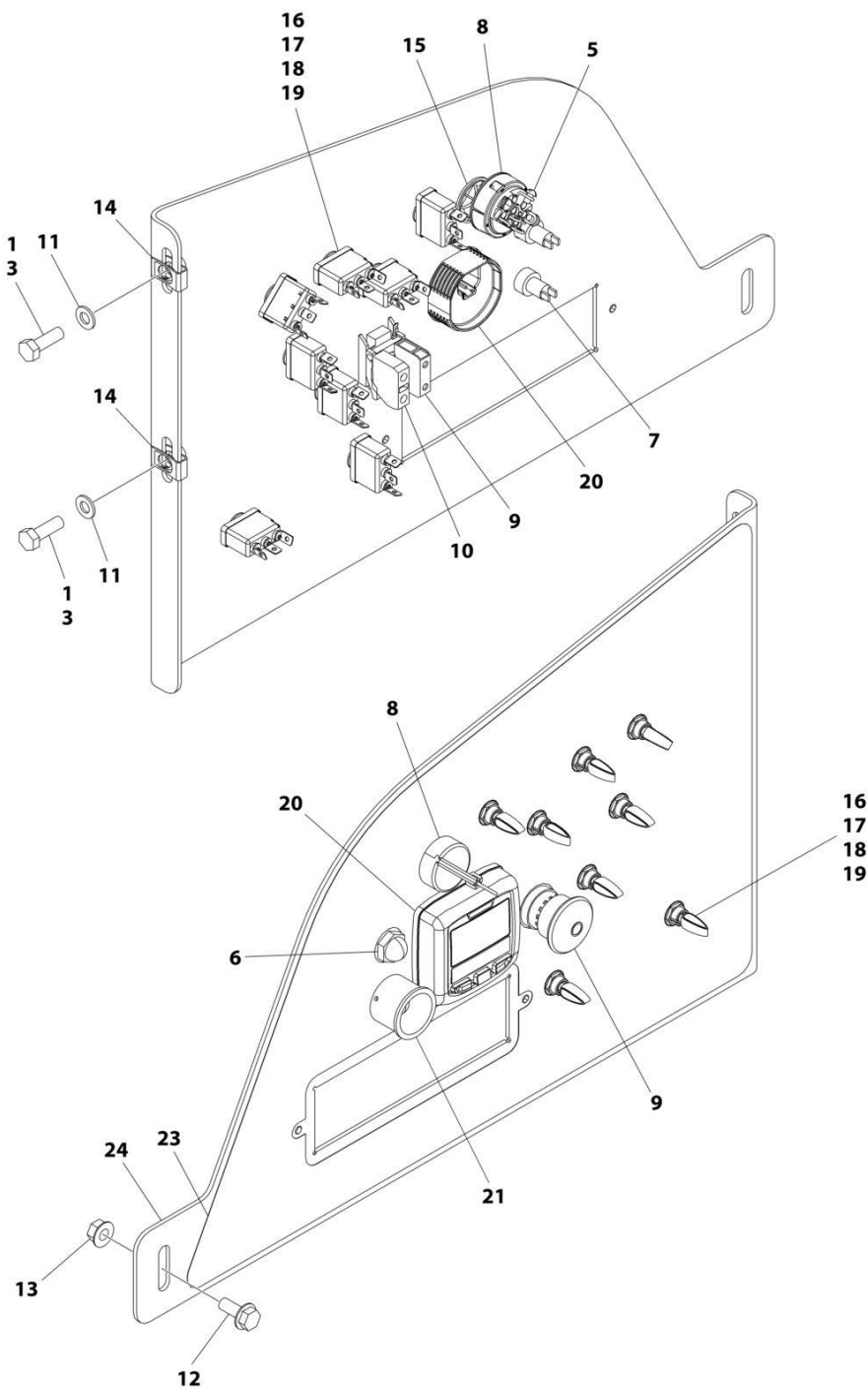
SECTION 2 - TURNTABLE

FIGURE 2-15. GROUND CONTROL ASSEMBLY (CE(LRC), CIS/EAC & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246451	Ref	GROUND CONTROL ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0760812	2	Bolt M8 x 25	
3	3910804	3	Screw M8 x 1/4	
4	4360387	1	Switch, Push Button	
5	4360469	1	Switch, Key	
5	2860030	1	Key, Replacement	
6	4360475	1	Switch, Emergency	
6	7020175	1	Cap	
6	7020176	1	Block, Contact	
7	4360476	1	Block, Contact	
8	4811900	2	Washer M8	
9	5250810	1	Bolt M8 x 20	
10	5260800	1	Nut M8	
11	1001118274	2	Nut M8	
12	1001151393	1	Shim .063	
13	1001155043	8	Washer	
14	1001155044	8	Nut, Special 15/32-32	
15	1001155045	8	Switch, Toggle	
16	1001162807	8	Washer	
17	1001264735	1	Panel, Ground Control	
18	1001171482	1	Gauge, Display	
19	1001176469	1	Shroud, Switch	
20	1001264732	1	Decal - Ground Control	

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FIGURE 2-16. GROUND CONTROL ASSEMBLY (CE & UK CA SPECS) (Prior to SN B300012344, Except SN B300012042 through B300012233)



ART_1001245656

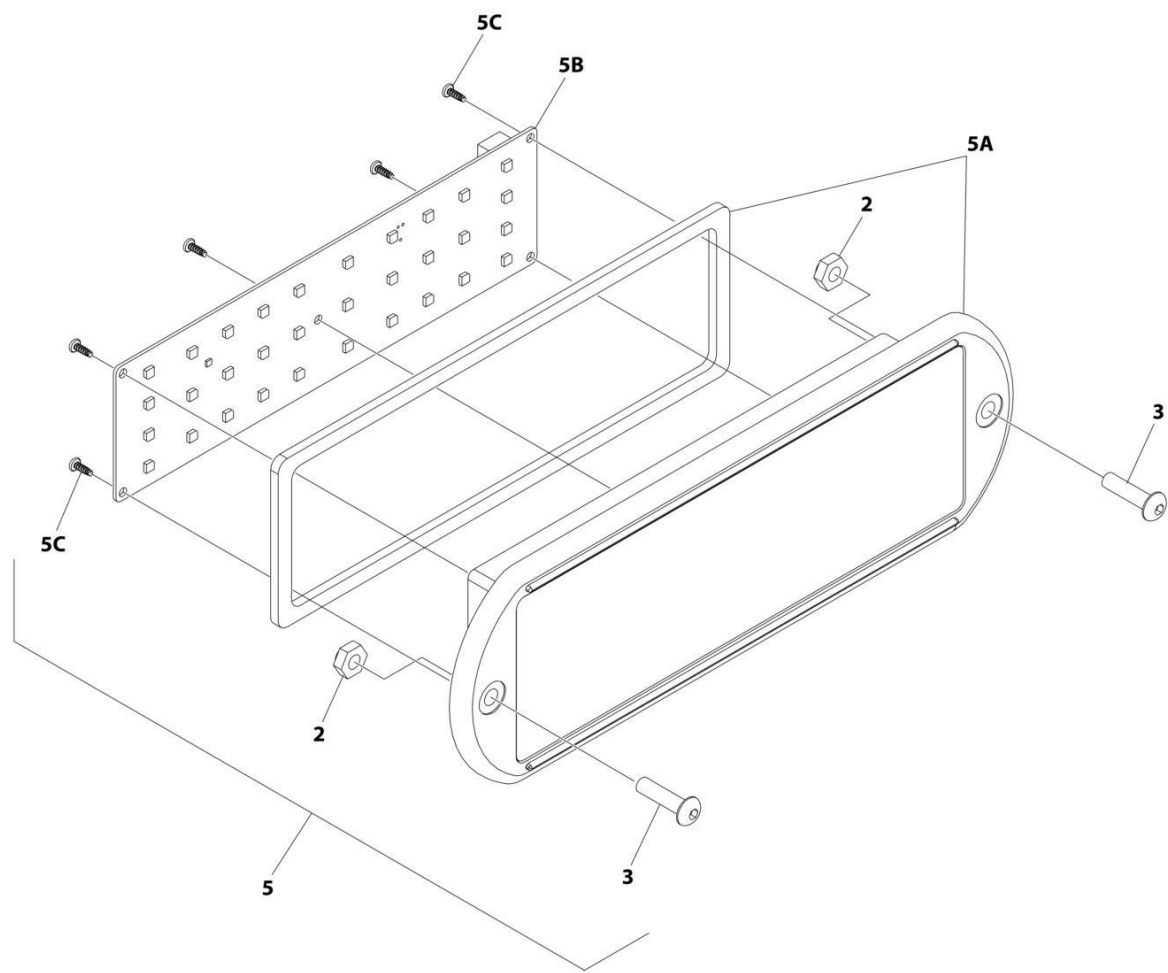
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FIGURE 2-16. GROUND CONTROL ASSEMBLY (CE & UK CA SPECS) (Prior to SN B300012344, Except SN B300012042 through B300012233)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245656	Ref	GROUND CONTROL ASSEMBLY	C
1	0100011	AR	Compound, Locking	
3	0760812	2	Bolt M8 x 25	
5	3910804	3	Screw M8 x 1/4	
6	4360274	1	Switch, Push Button	
7	4360387	1	Switch, Push Button	
8	4360469	1	Switch, Key	
8	2860030	1	Key, Replacement	
9	4360475	1	Switch, Emergency	
9	7020175	1	Cap	
9	7020176	1	Block, Contact	
10	4360476	1	Block, Contact	
11	4811900	2	Washer M8	
12	5250810	1	Bolt M8 x 20	
13	5260800	1	Nut M8	
14	1001118274	2	Nut M8	
15	1001151393	1	Shim .063	
16	1001155043	8	Washer	
17	1001155044	8	Nut, Special 15/32-32	
18	1001155045	8	Switch, Toggle	
19	1001162807	8	Washer	
20	1001171482	1	Gauge, Display	
21	1001176469	1	Shroud, Switch	
23	1001264731	1	Decal - Ground Control	
24	1001264735	1	Panel, Ground Control	

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FIGURE 2-17. LIGHT PANEL INSTALLATION – GROUND CONTROL (SN B300012344 to Present)



ART_1001241404_10F2

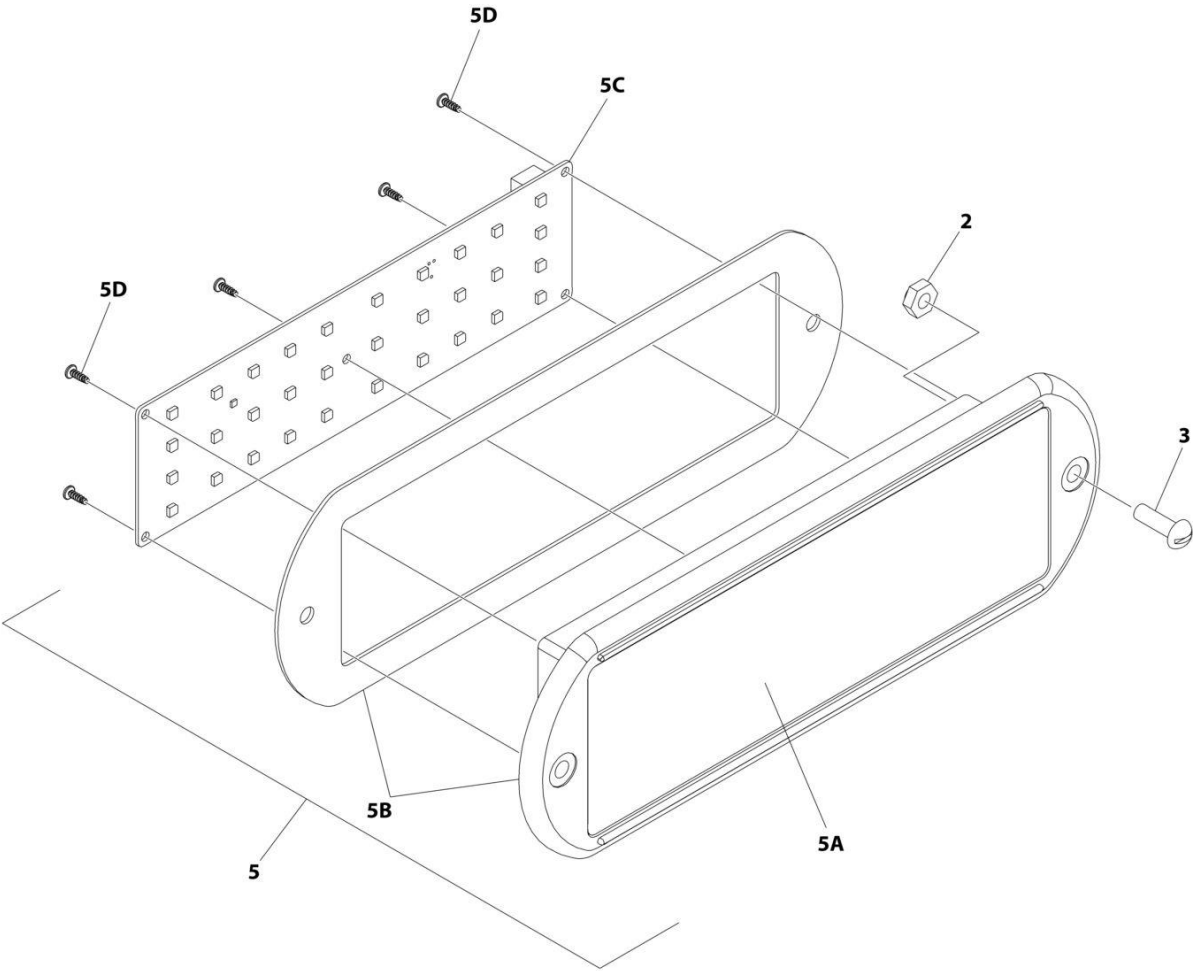
SECTION 2 - TURNTABLE

FIGURE 2-17. LIGHT PANEL INSTALLATION – GROUND CONTROL (SN B300012344 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241404	Ref	LIGHT PANEL INSTALLATION - GROUND CONTROL	B
2	3300408	2	Nut, Nylon Insert	G
3	0630518	2	Screw #10 x 3/4	
5	1001237547	1	Light Panel Assembly	
5A	1001236092	1	Lens, I-Con (Includes Gasket)	
5B	1001187807	1	Panel, LED Light	
5C		Ref	Screw	

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FIGURE 2-18. LIGHT PANEL INSTALLATION – GROUND CONTROL



ART_1001241398_1OF2

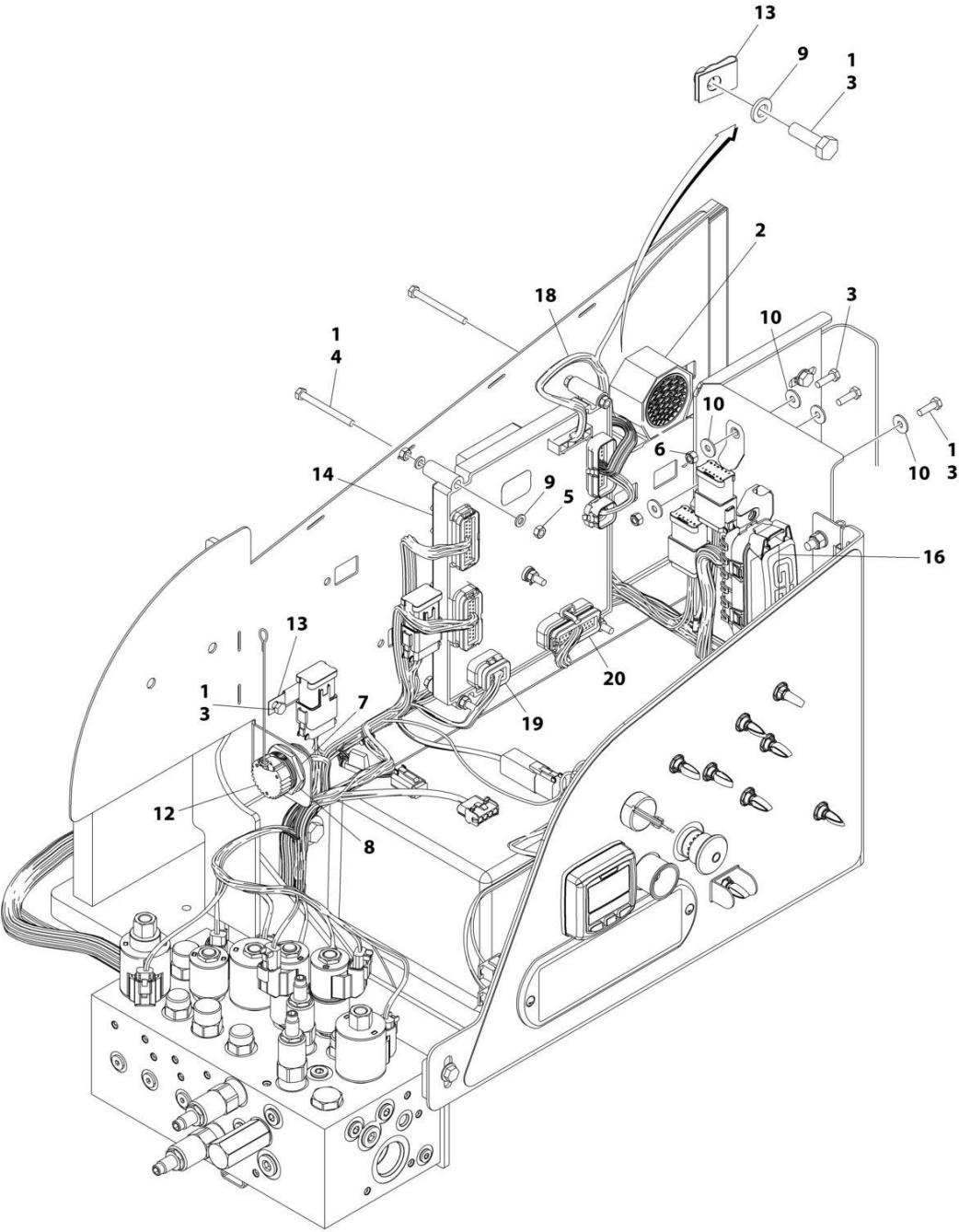
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FIGURE 2-18. LIGHT PANEL INSTALLATION – GROUND CONTROL

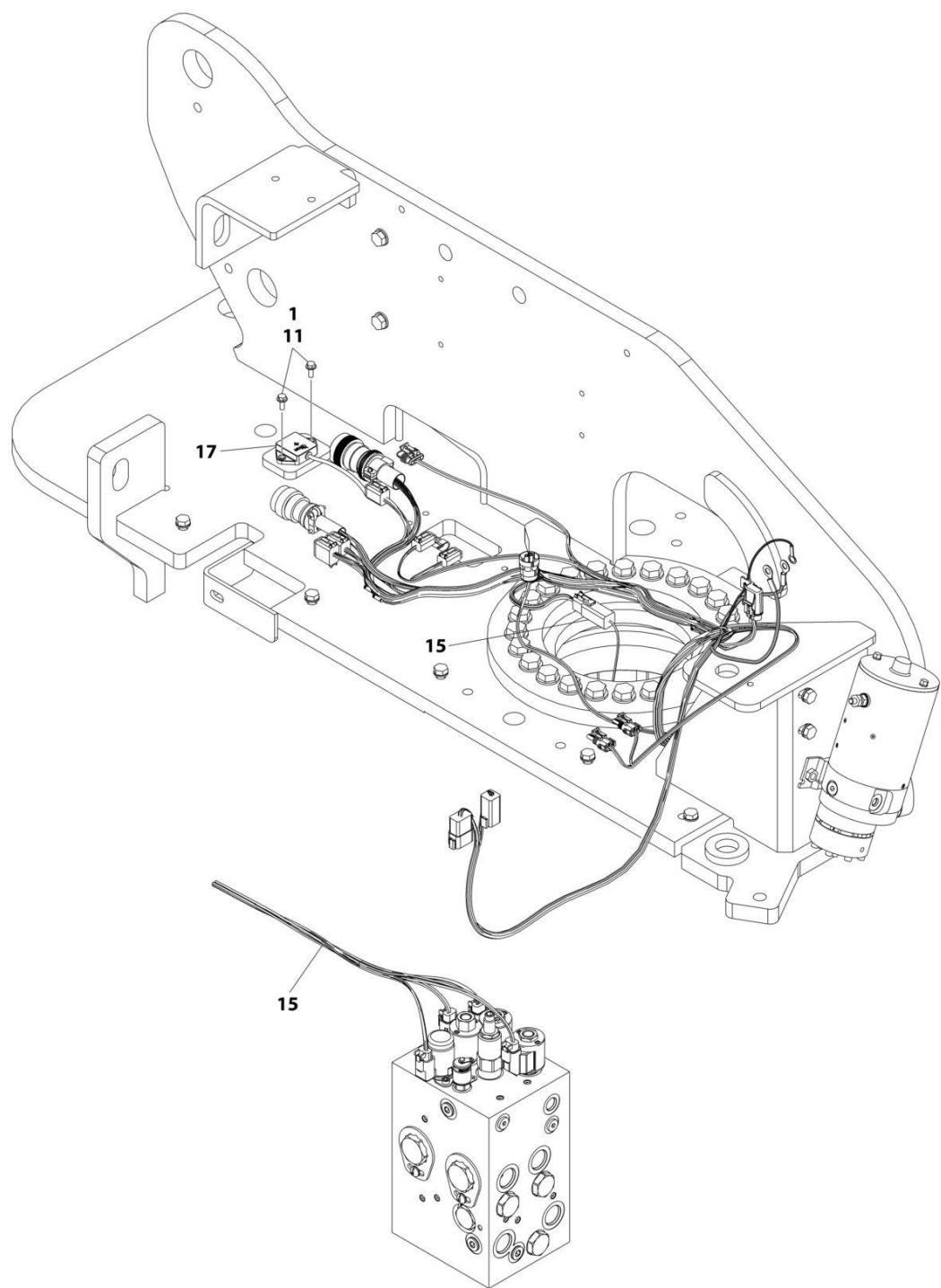
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241398	Ref	LIGHT PANEL INSTALLTION	B
2	3300408	2	Nut, Nylon Insert	
3	3911010	2	Screw #10 x 5/8	
5	1001238673	1	Light Panel Assembly	
5A	1001236091	1	Lens, I-Con	
5B	1001238752	1	Bezel (Includes Gasket)	
5C	1001238732	1	Panel, LED Light	
5D		Ref	Screw	

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FIGURE 2-19. ELECTRICAL SYSTEM INSTALLATION



ART_1001246369_10F2



DETAIL OF TRACTION VALVE

ART_1001246369_2OF2

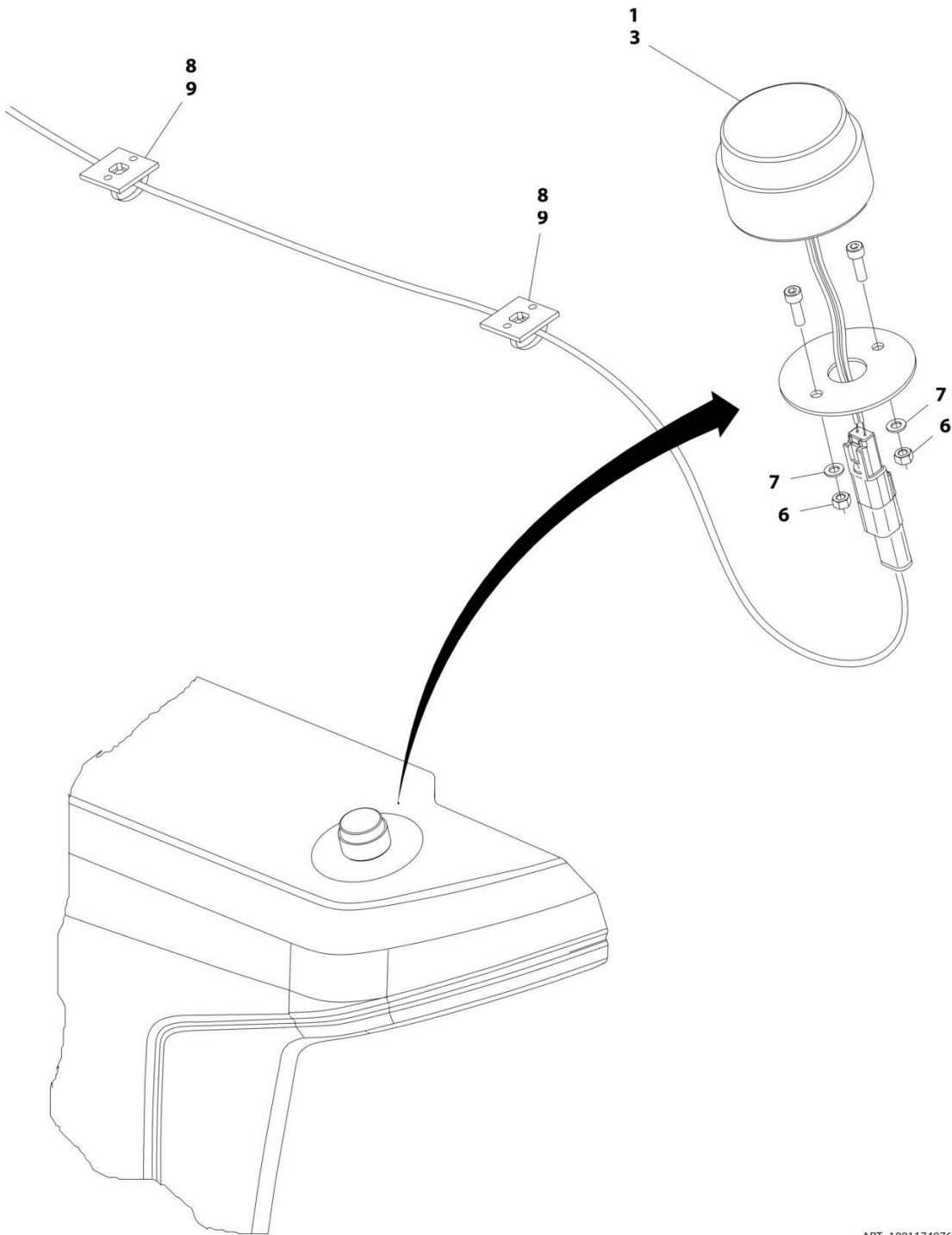
SECTION 2 - TURNTABLE

FIGURE 2-19. ELECTRICAL SYSTEM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246369	Ref	ELECTRICAL SYSTEM INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0140043	1	Alarm	
3	0760610	7	Bolt M6 x 20	
4	0760621	5	Bolt M6 x 65	
5	3290601	10	Nut M6	
6	3290605	2	Nut M6	
7	4460496	1	Washer, Terminal	
8	4460497	1	Nut, Terminal	
9	4811700	12	Washer M6	
10	4811702	7	Washer M6	
11	5250608	2	Bolt M6 x 16	
12	1001106736	1	Cap, Dust	
13	1001130220	3	Nut, Tinnerman M6	
14	1001170094	1	Module, Ground Control	
	See Note	Ref	Note: Re-calibration Required when Replaced	
15	1001179236	1	Chassis Solenoid Harness (See Separate Breakdown in ELECTRICAL SECTION)	
16	1001196637	1	Decal - Fuse Box	
17	1001219601	1	Sensor	
17	See Note	1	Receptacle, Female - 4 Position (Note: Not Available for Purchase)	
17	See Note	4	Pin, Male (Note: Not Available for Purchase)	
18	1001244293	1	Turntable Harness (See Separate Breakdown in ELECTRICAL SECTION)	
19	1001244294	1	Valve Harness - Main Valve (See Separate Breakdown in ELECTRICAL SECTION)	
20	1001244295	1	Ground Control Panel Harness (See Separate Breakdown in ELECTRICAL SECTION)	

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FIGURE 2-20. BEACON LIGHT INSTALLATION - AMBER



ART_1001174976

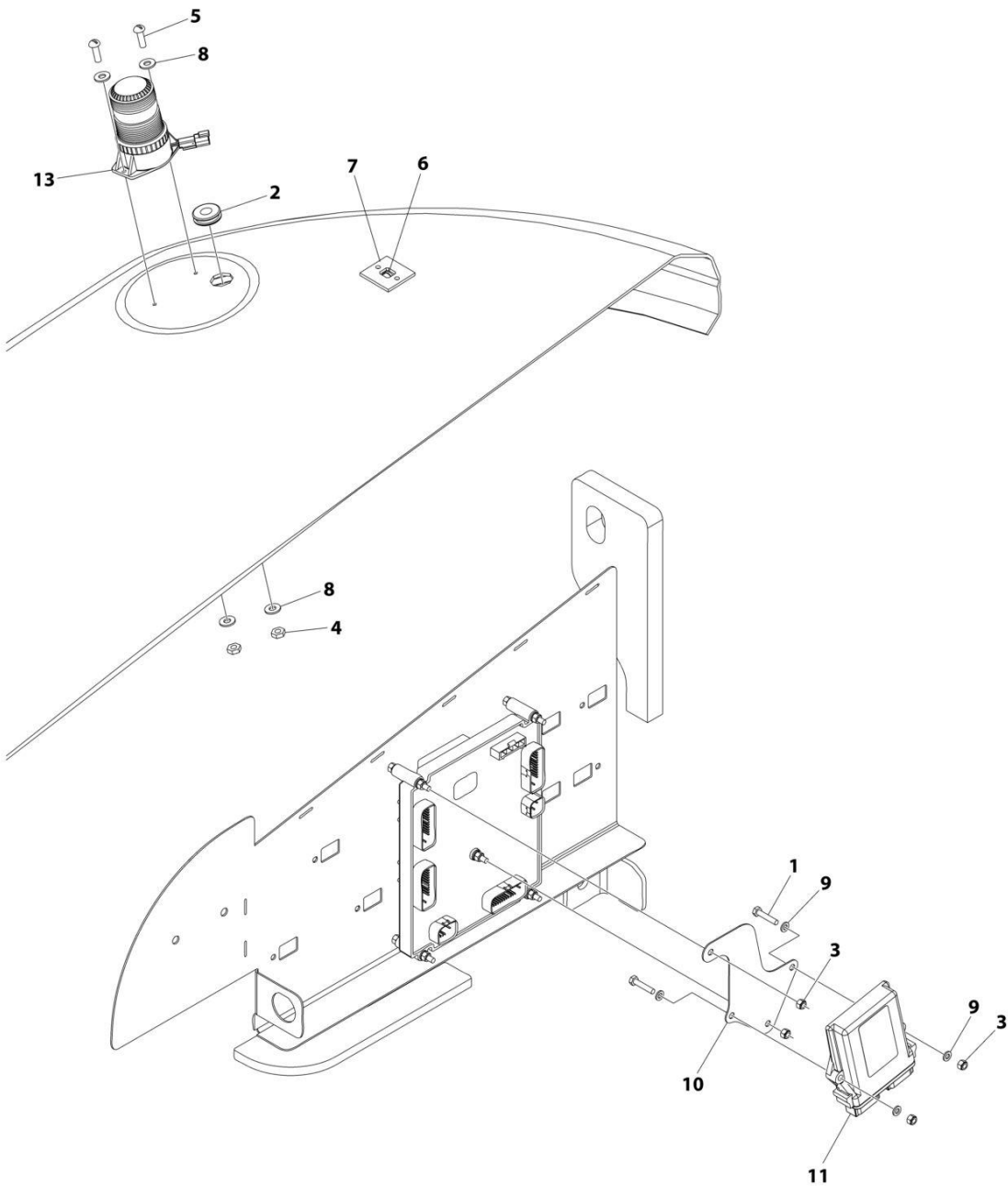
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FIGURE 2-20. BEACON LIGHT INSTALLATION - AMBER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174976	Ref	BEACON LIGHT INSTALLATION - AMBER	D
1	0100048	AR	Compound, Silicone	
3	1001181405	1	Lamp, Strobe	
3	4460897	1	Receptacle, Female - 2 Position	
3	4460464	2	Pin, Male	
6	3290505	2	Nut M5	
7	4811600	2	Washer M5	
8	4240032	AR	Tie-Strap	
9	4460234	2	Mount, Tie-Strap	

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FIGURE 2-21. BEACON LIGHT INSTALLATION - BLUE



ART_1001242855

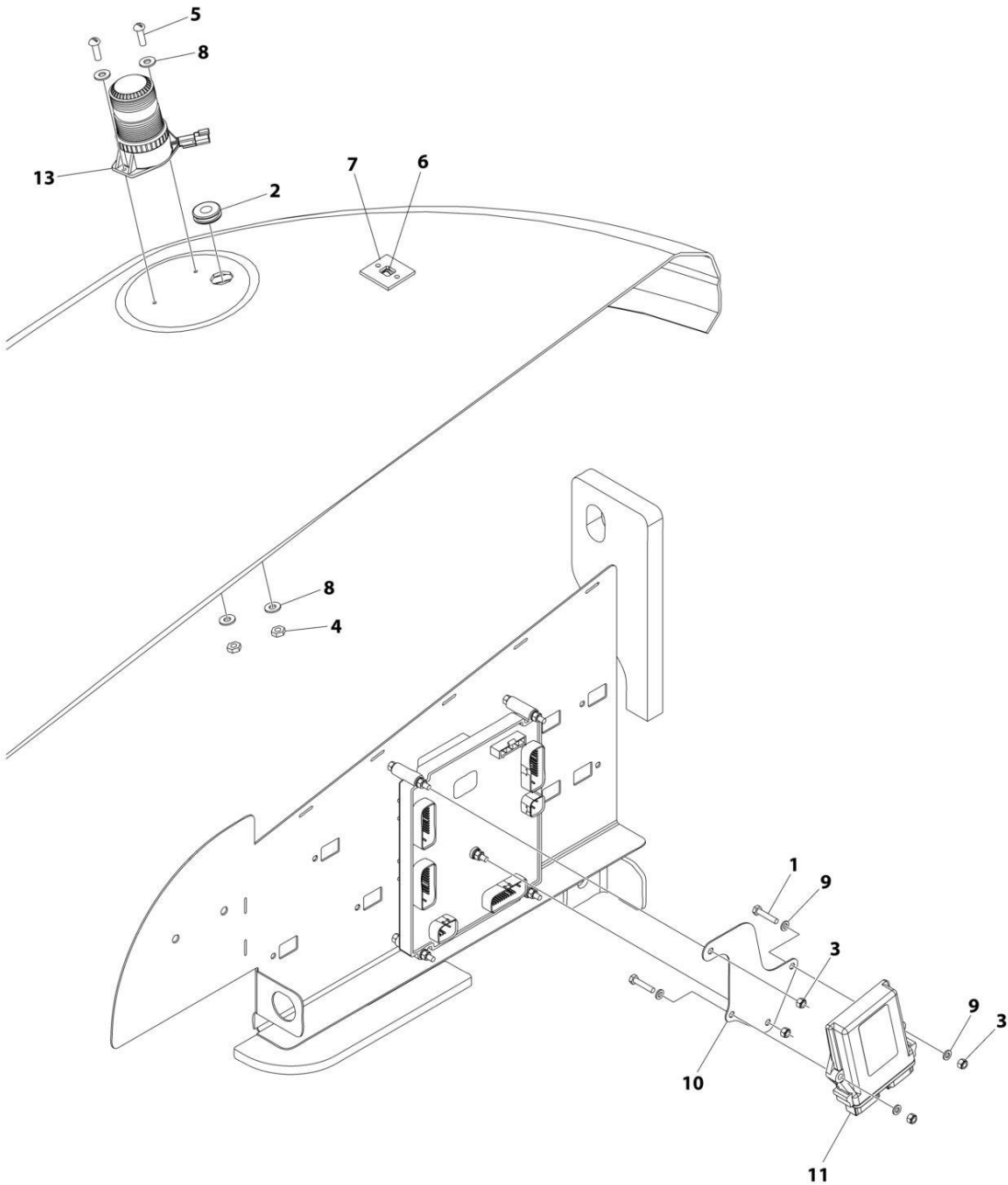
SECTION 2 - TURNTABLE

FIGURE 2-21. BEACON LIGHT INSTALLATION - BLUE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242855	Ref	BEACON LIGHT INSTALLATION - BLUE	A
1	0760614	2	Bolt M6 x 30	
2	2540020	1	Grommet	
3	3290605	4	Nut M6	
4	3311005	2	Nut #10	
5	3911010	2	Screw #10 x 5/8	
6	4240032	AR	Tie-Strap	
7	4460488	AR	Terminal, Mounting	
8	4711000	4	Washer #10	
9	4811700	4	Washer M6	
10	1001100433	1	Mount, Module	
11	1001142683	1	Module, Control	
12	1001142736	1	Beacon Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
13	1001200910	1	Light, Beacon	
13	4460897	1	Receptacle, Female - 2 Position	
13	4460943	2	Pin, Male	

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FIGURE 2-22. BEACON LIGHT INSTALLATION - RED



ART_1001242856

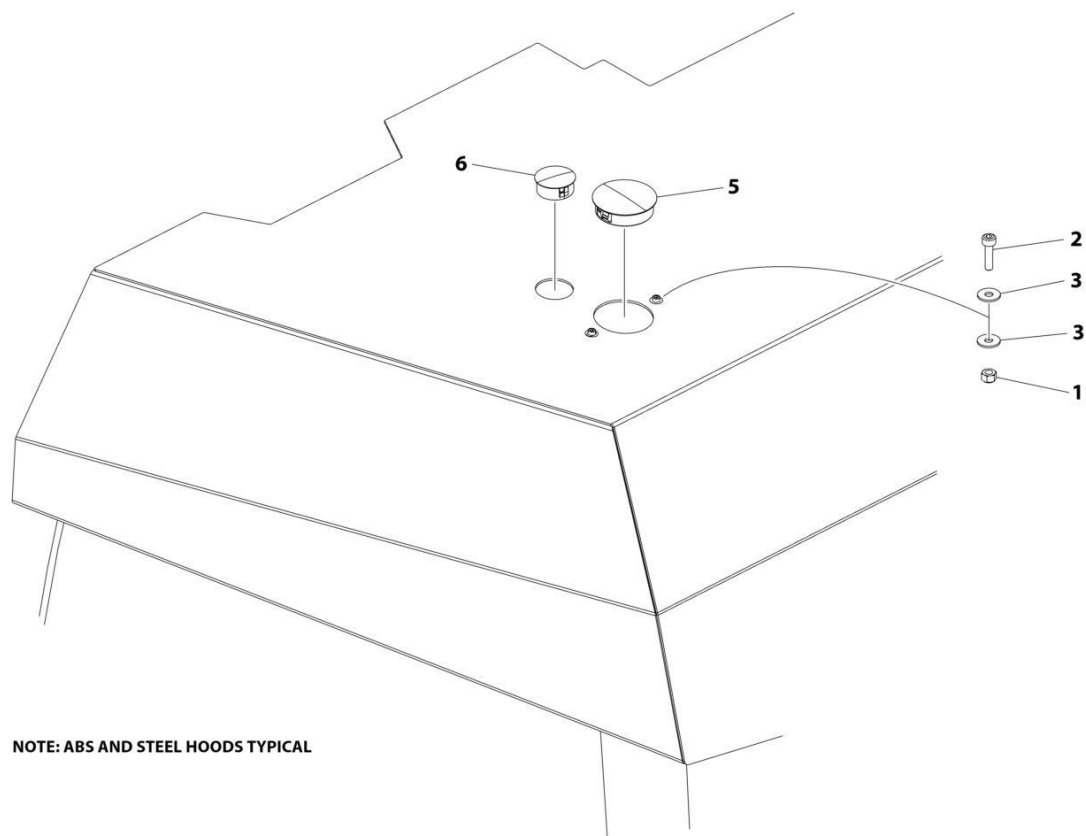
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FIGURE 2-22. BEACON LIGHT INSTALLATION - RED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242856	Ref	BEACON LIGHT INSTALLATION - RED	A
1	0760614	2	Bolt M6 x 30	
2	2540020	1	Grommet	
3	3290605	4	Nut M6	
4	3311005	2	Nut #10	
5	3911010	2	Screw #10 x 5/8	
6	4240032	AR	Tie-Strap	
7	4460488	AR	Terminal, Mounting	
8	4711000	4	Washer #10	
9	4811700	4	Washer M6	
10	1001100433	1	Mount, Module	
11	1001142683	1	Module, Control	
12	1001142736	1	Beacon Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
13	1001207004	1	Light, Beacon	
13	4460897	1	Receptacle, Female - 2 Position	
13	4460943	2	Pin, Male	

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FIGURE 2-23. NO BEACON INSTALLATION



NOTE: ABS AND STEEL HOODS TYPICAL

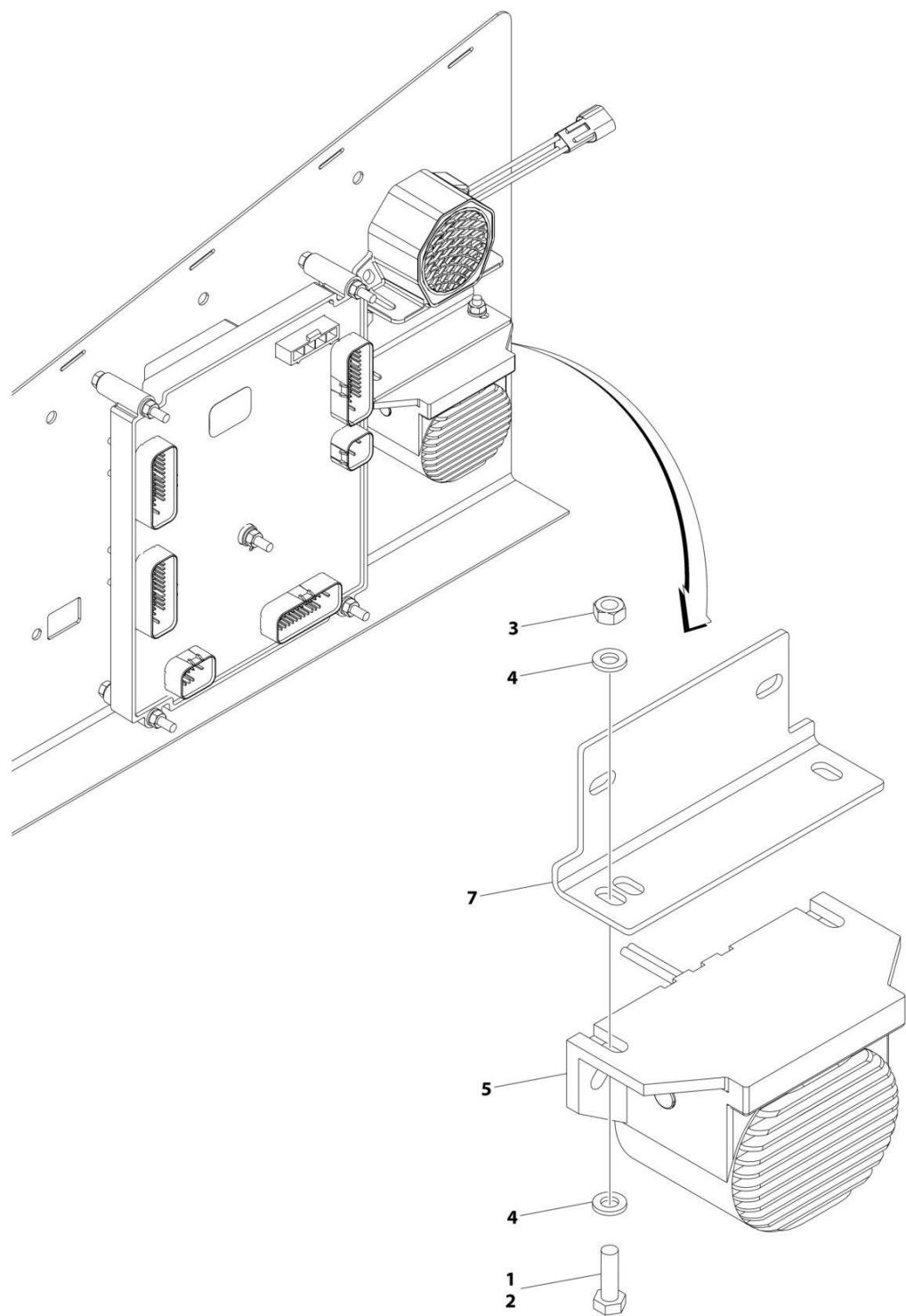
ART_1001285811

FIGURE 2-23. NO BEACON INSTALLATION

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

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FIGURE 2-24. WHITE NOISE AMBIENT ALARM INSTALLATION



ART_1001209617

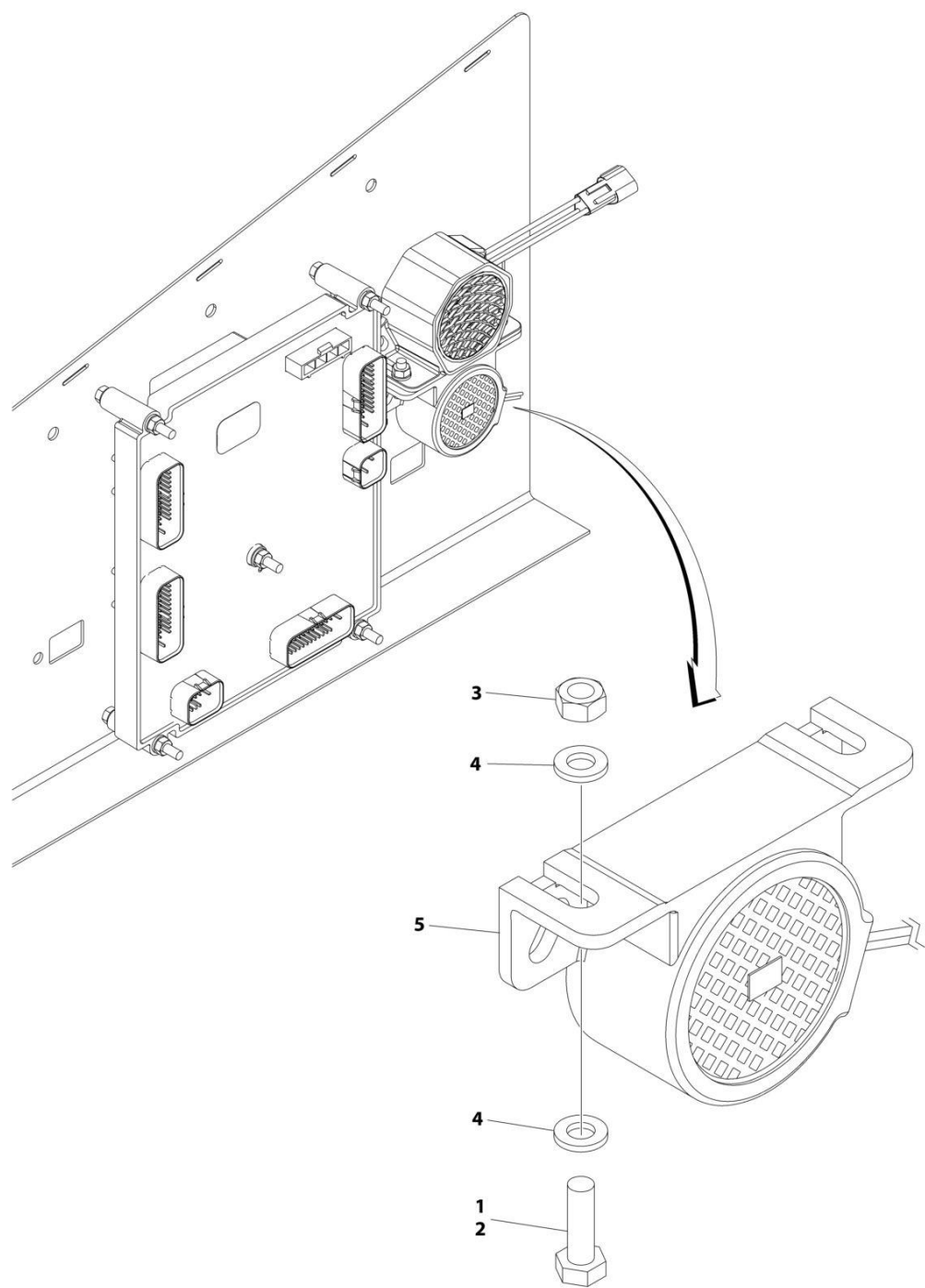
SECTION 2 - TURNTABLE

FIGURE 2-24. WHITE NOISE AMBIENT ALARM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209617	Ref	WHITE NOISE AMBIENT ALARM INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0760610	2	Bolt M6 x 20	
3	3290601	2	Nut M6	
4	4811700	4	Washer M6	
5	1001182806	1	Alarm	
6	1001190663	1	Harness, Jumper (Not Shown)	
6	4460891	1	Connector – 2 Position	
6	4460465	2	Socket, Female	
6	4460871	2	Socket, Female	
7	1001231886	1	Plate	

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FIGURE 2-25. WHITE NOISE ALARM INSTALLATION



ART_1001263174

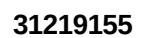
SECTION 2 - TURNTABLE

FIGURE 2-25. WHITE NOISE ALARM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263174	Ref	WHITE NOISE ALARM INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0760610	2	Bolt M6 x 20	
3	3290601	2	Nut M6	
4	4811700	4	Washer M6	
5	1001184682	1	Alarm	
6	1001190663	1	Harness, Jumper (Not Shown)	
6	4460891	1	Connector – 2 Position	
6	4460465	2	Socket, Female	
6	4460871	2	Socket, Female	

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ART_1001166316_H

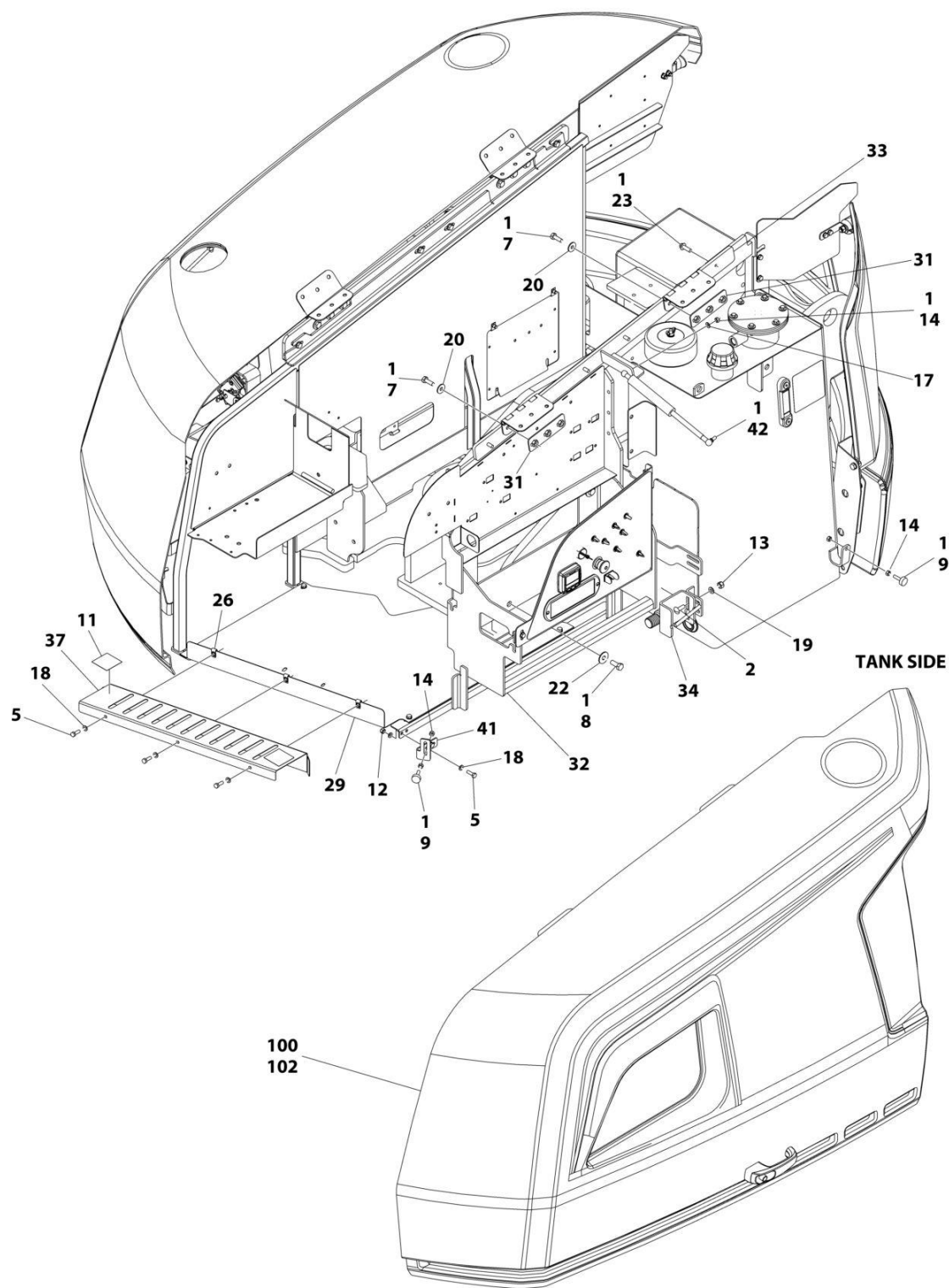
SECTION 2 - TURNTABLE

FIGURE 2-26. BATTERY AND CABLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166316	Ref	BATTERY AND CABLE INSTALLATION	H
1	0361810	1	Bar, Hold-down	
2	0400075	1	Battery	
3	0760610	2	Bolt M6 x 20	
6	3290605	3	Nut M6	
7	3291005	2	Nut M10	
8	3820032	4	Rivet	
9	4811702	4	Washer M6	
10	4812000	2	Washer M10	
11	1001117240	1	Cover	
12	1001119278	1	Insulation	
13	1001119280	2	Bolt M16 x 260	
14	0760612	1	Bolt M6 x 25	
15	3740067	1	Relay	
15	3300220	2	Nut 3/8	
15	1001111424	2	Washer 3/8	
15	3321001	1	Nut #10	
15	4761000	1	Washer #10	
16	4811700	2	Washer M6	
17	1001171678	1	Cable, Battery (Positive + to Aux Relay)	
18	1001171679	1	Cable, Battery (Aux Relay to Aux Pump)	
19	1001171680	1	Cable, Battery (Negative – to Aux Pump)	
20	0100011	AR	Compound, Locking	
21	0641504	1	Bolt 5/16 x 1/2	
22	4711500	1	Washer 5/16	
23	3290601	2	Nut M6	
24	0760512	1	Bolt M5 x 25	
25	3290501	1	Nut M5	
26	3290505	1	Nut M5	
27	4811600	2	Washer M5	

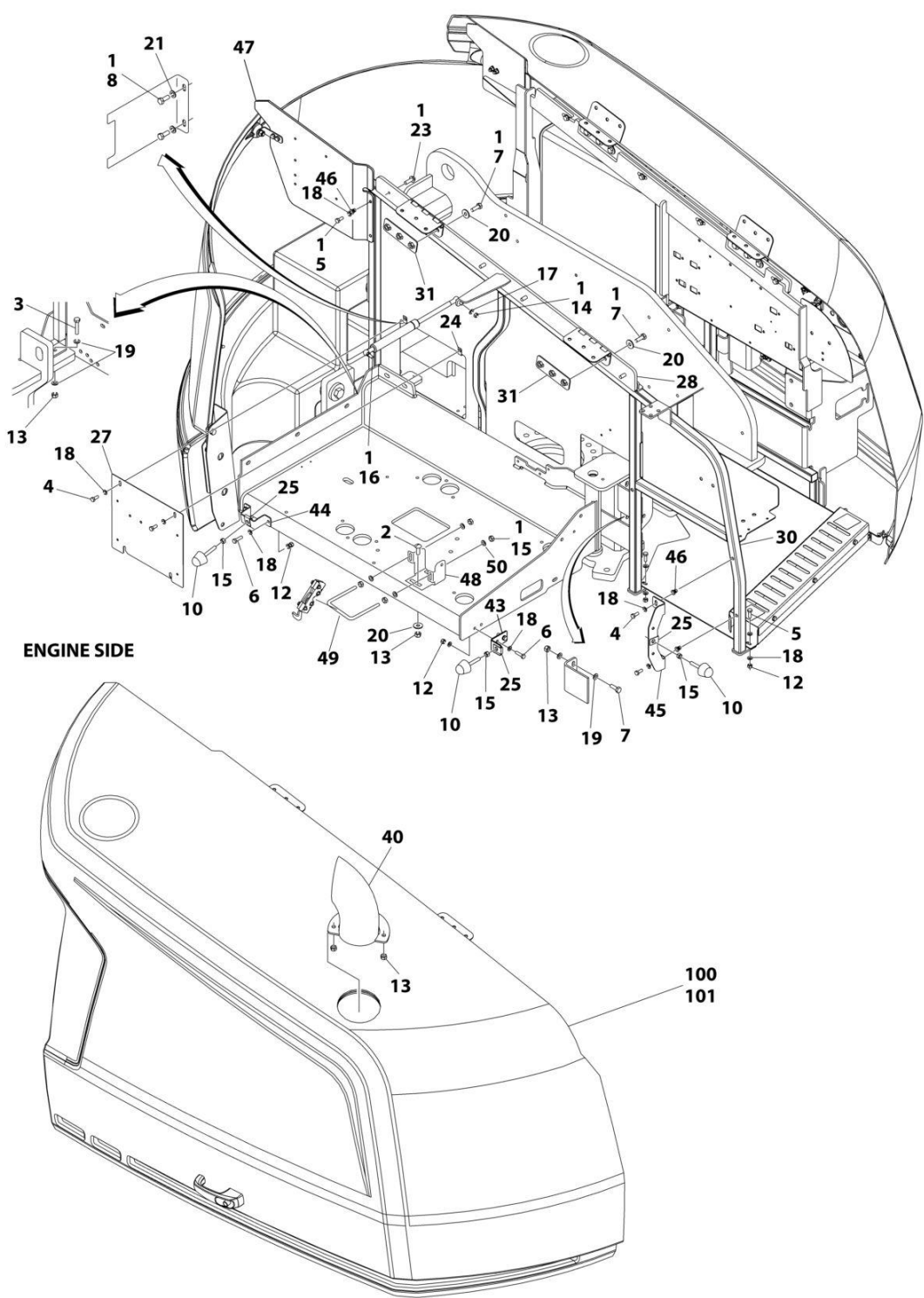
SECTION 2 - TURNTABLE

FIGURE 2-27. HOODS INSTALLATION



ART_1001241286_D_10F2

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ART_1001241286_D_20F2

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FIGURE 2-27. HOODS INSTALLATION

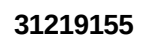
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241286	Ref	HOODS INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0630613	4	Bolt M10 x 30	
3	0701018	5	Bolt M10 x 50	
4	0760810	4	Bolt M8 x 20	
5	0760812	11	Bolt M8 x 25	
6	0760814	4	Bolt M8 x 30	
7	0761014	14	Bolt M10 x 30	
8	0761214	6	Bolt M12 x 30	
9	0940049	2	Bumper	
10	0940071	3	Bumper	
11	1701691	2	Decal - No Step	
12	3290805	10	Nut M8	
13	3291005	14	Nut M10	
14	3311501	6	Nut 5/16	
15	3311601	7	Nut 3/8	
16	4160182	1	Spring, Gas	
17	4711500	2	Washer 5/16	
18	4811900	29	Washer M8	
19	4812000	16	Washer M10	
20	4812002	14	Washer M10	
21	4812100	2	Washer M12	
22	4812102	4	Washer M12	
23	5251014	8	Bolt M10 x 30	
24	8310686	2	Nut, Retainer M8	
25	88662523	3	Nut, Tinnerman	
26	1001118274	3	Nut M8	
27	1001167149	1	Panel, Filler	
28	1001167159	1	Mount	
29	1001167163	1	Tray	
30	1001167169	1	Mount	
31	1001169046	4	Nut	
32	1001211716	1	Support, Hood	
33	1001170018	1	Mount	
34	1001170022	1	Mount	
37	1001171216	1	Cover	
40	1001233899	1	Pipe, Exhaust	
41	1001179904	1	Mount	
42	1001182169	1	Spring, Gas	
43	1001182875	1	Mount	
44	1001182877	1	Mount	
45	1001182879	1	Mount	
46	1001191832	4	Rivnut M8	
47	1001211717	1	Panel, Filler	
48	1001250291	1	Bracket	
49	1001243414	1	U-Bolt	
50	4891600	4	Washer 3/8	
100	1001285789	1	Hood Kit (Includes Items 101-102)	A
101	1001241295	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	1001285788	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

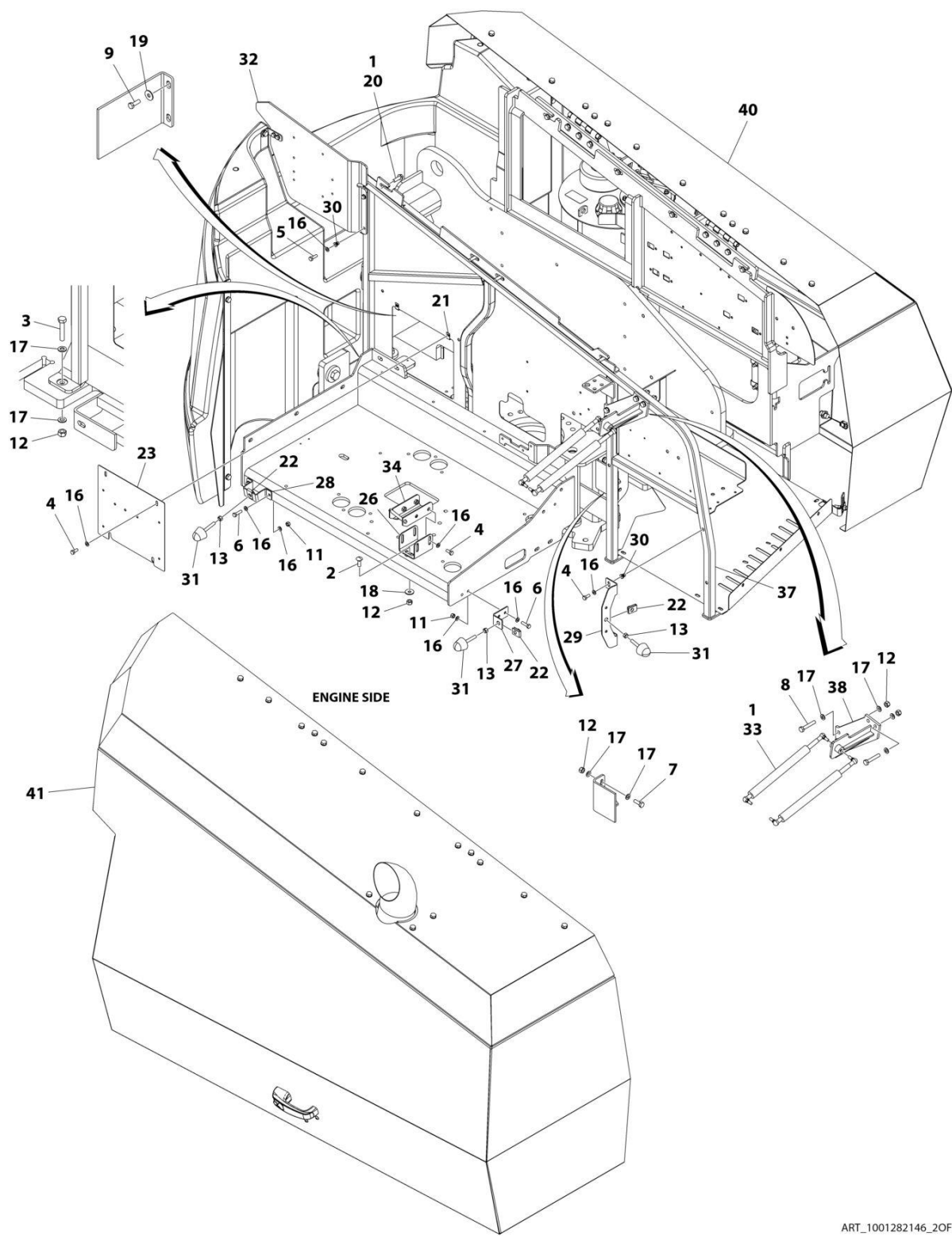
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ART_1001282146_2OF2

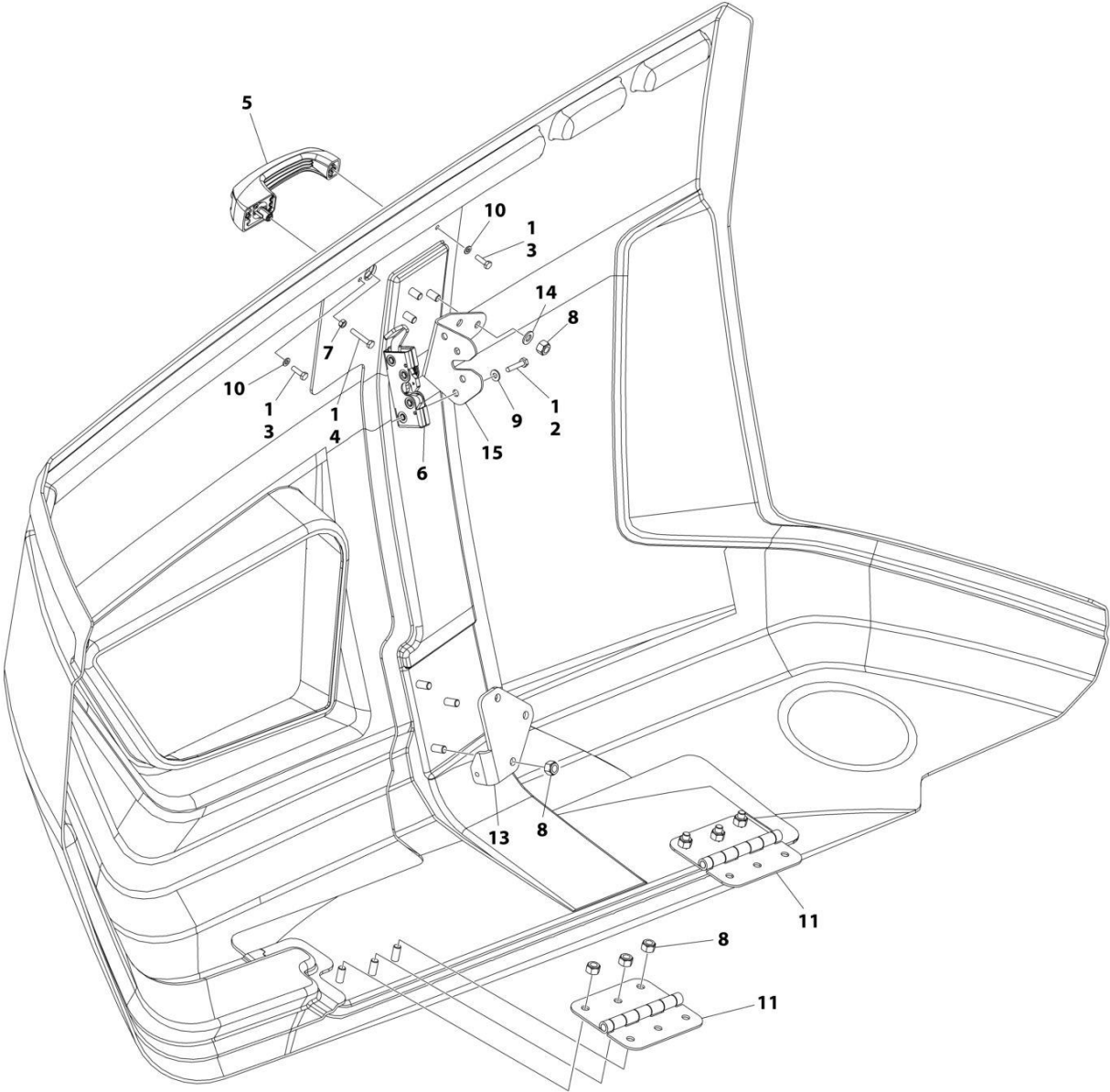
SECTION 2 - TURNTABLE

FIGURE 2-28. HOODS INSTALLATION (STEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282146	Ref	HOODS INSTALLATION (STEEL)	B
1	0100011	AR	Compound, Locking	
2	0630613	4	Bolt M10 x 30	
3	0701019	5	Bolt M10 x 55	
4	0760810	8	Bolt M8 x 20	
5	0760812	4	Bolt M8 x 25	
6	0760814	4	Bolt M8 x 30	
7	0761014	2	Bolt M10 x 30	
8	0761020	4	Bolt M12 x 60	
9	0761215	6	Bolt M12 x 35	
10	0940088	1	Bumper	
11	3290805	6	Nut M8	
12	3291005	15	Nut M10	
13	3311601	4	Nut 3/8	
14	3321501	1	Nut 5/16	
15	3520072	1	Plug	
16	4811900	22	Washer M8	
17	4812000	24	Washer M10	
18	4812002	2	Washer M10	
19	4812102	6	Washer M12	
20	5251014	8	Bolt M10 x 30	
21	8310686	2	Nut, Retainer M8	
22	88662523	4	Nut, Tinnerman	
23	1001167149	1	Panel, Filler	
24	1001167163	1	Tray	
25	1001170022	1	Mount	
26	1001170859	1	Mount	
27	1001182875	1	Mount	
28	1001182877	1	Mount	
29	1001182879	1	Mount	
30	1001191832	4	Rivnut M8	
31	1001206314	4	Bumper	
32	1001211717	1	Panel, Filler	
33	1001213794	2	Spring, Gas	
34	1001223777	1	Support, Striker	
35	1001269476	1	Mount	
36	1001279651	1	Support, Hood	
37	1001280240	1	Mount	
38	1001280242	1	Mount	
39	1001280549	2	Spring, Gas	
40	1001285988	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	
41	1001282143	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	

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FIGURE 2-29. HOOD ASSEMBLY - TANK SIDE (ROMANIAN BUILT MACHINES) (Prior to SN B300017702)



NOTE: REPLACEMENT DECALS MUST BE ORDERED SEPARATELY - SEE DECAL SECTION.

ART_1001241296

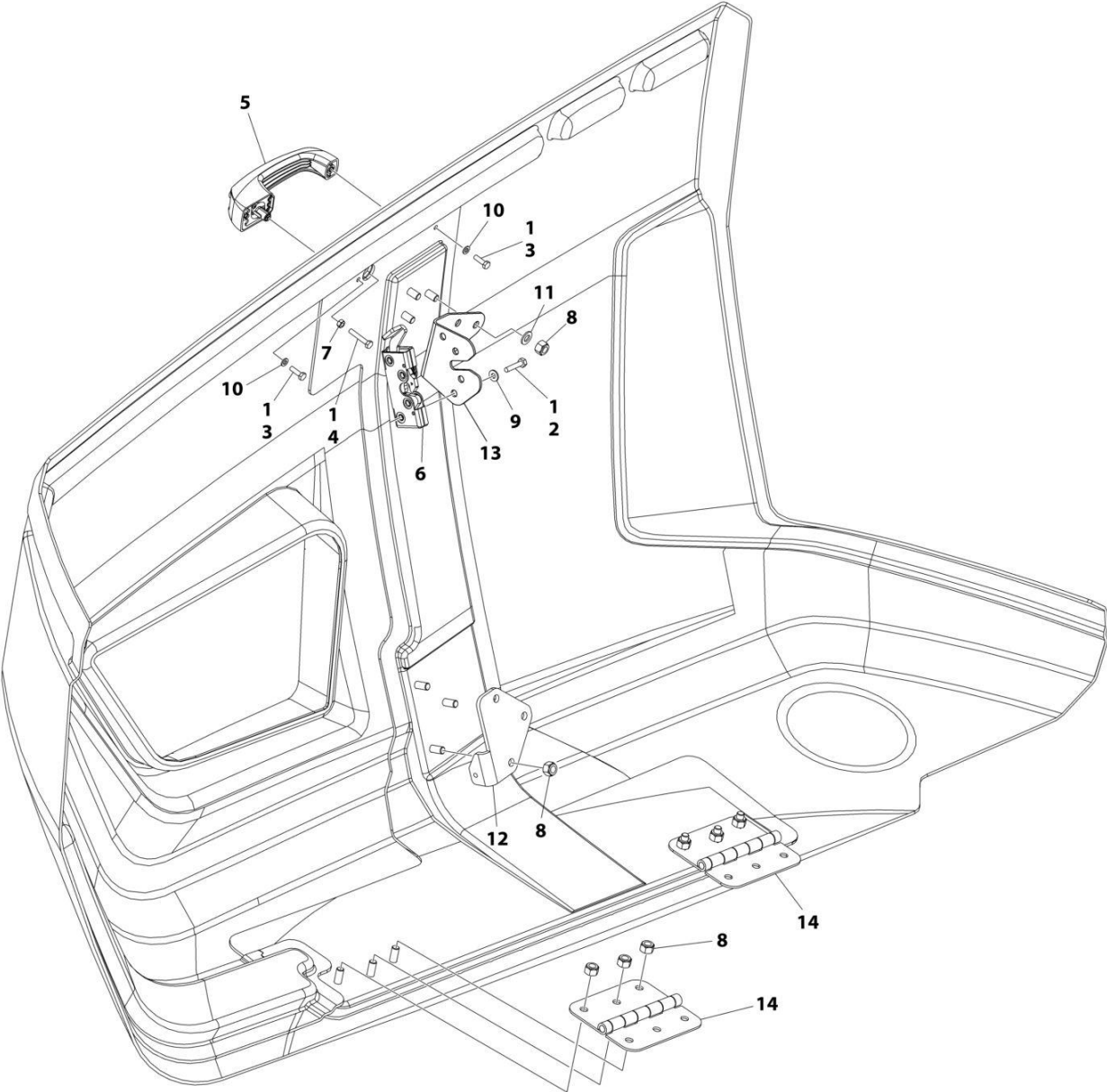
SECTION 2 - TURNTABLE

FIGURE 2-29. HOOD ASSEMBLY - TANK SIDE (ROMANIAN BUILT MACHINES) (Prior to SN B300017702)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241296	Ref	HOOD ASSEMBLY - TANK SIDE	C
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760610	2	Bolt M6 x 20	
4	0760615	1	Bolt M6 x 35	
5	2560187	1	Handle	
6	2940173	1	Latch	
7	3290601	1	Nut M6	
8	3291005	12	Nut M10	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001259230	2	Hinge	
13	1001170475	1	Bracket	
14	4812000	3	Washer M10	
15	1001203322	1	Support	

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FIGURE 2-30. HOOD ASSEMBLY - TANK SIDE (SN B300017702 to Present)



NOTE: REPLACEMENT DECALS MUST BE ORDERED SEPARATELY - SEE DECAL SECTION.

ART_1001285788

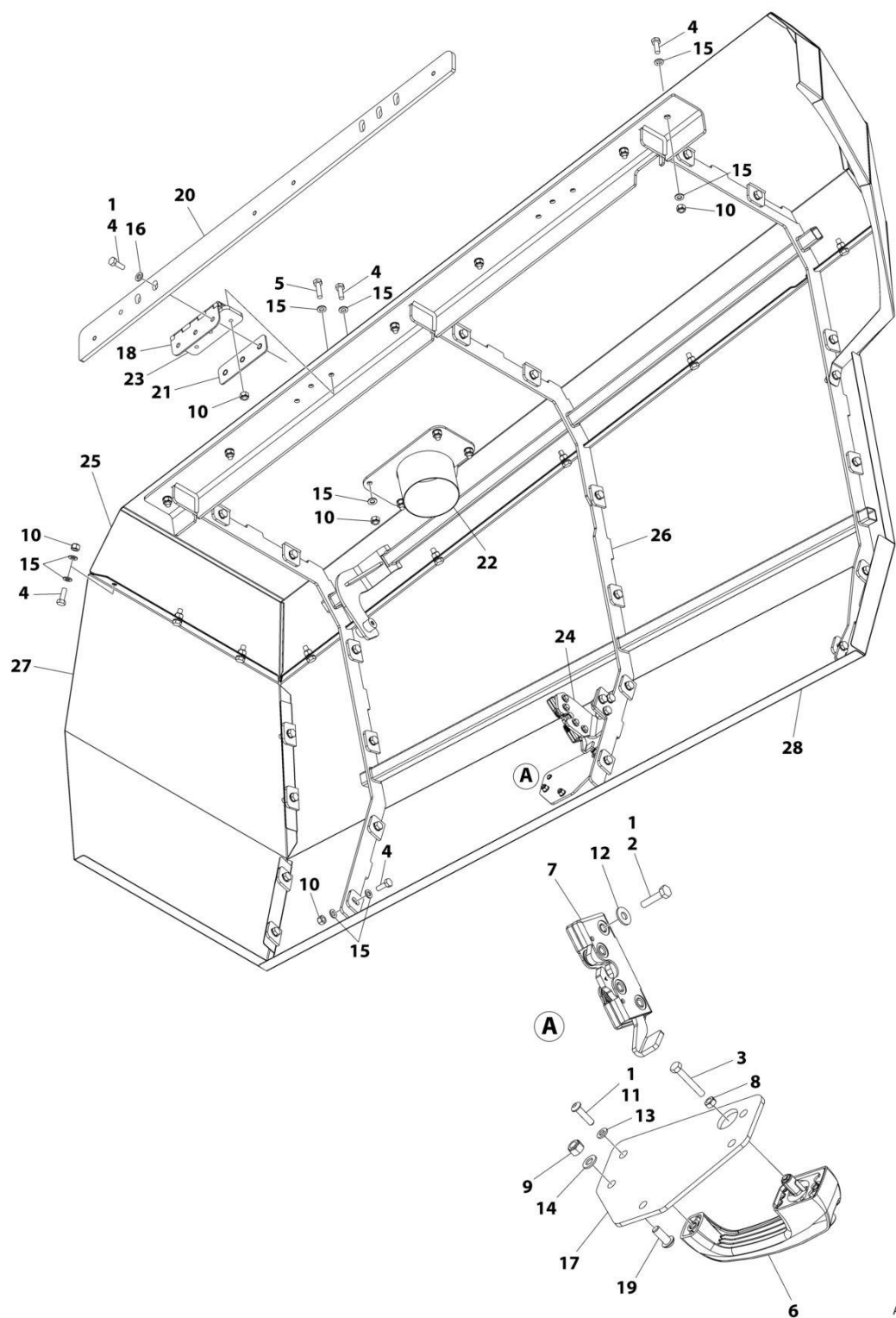
SECTION 2 - TURNTABLE

FIGURE 2-30. HOOD ASSEMBLY - TANK SIDE (SN B300017702 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285788	Ref	HOOD ASSEMBLY - TANK SIDE	A
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760610	2	Bolt M6 x 20	
4	0760615	1	Bolt M6 x 35	
5	2560187	1	Handle	
6	2940173	1	Latch	
7	3290601	1	Nut M6	
8	3291005	12	Nut, Lock M10	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	4812000	3	Washer M10	
12	1001170475	1	Bracket	
13	1001203322	1	Support	
14	1001259230	2	Hinge	

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



ART_1001282143

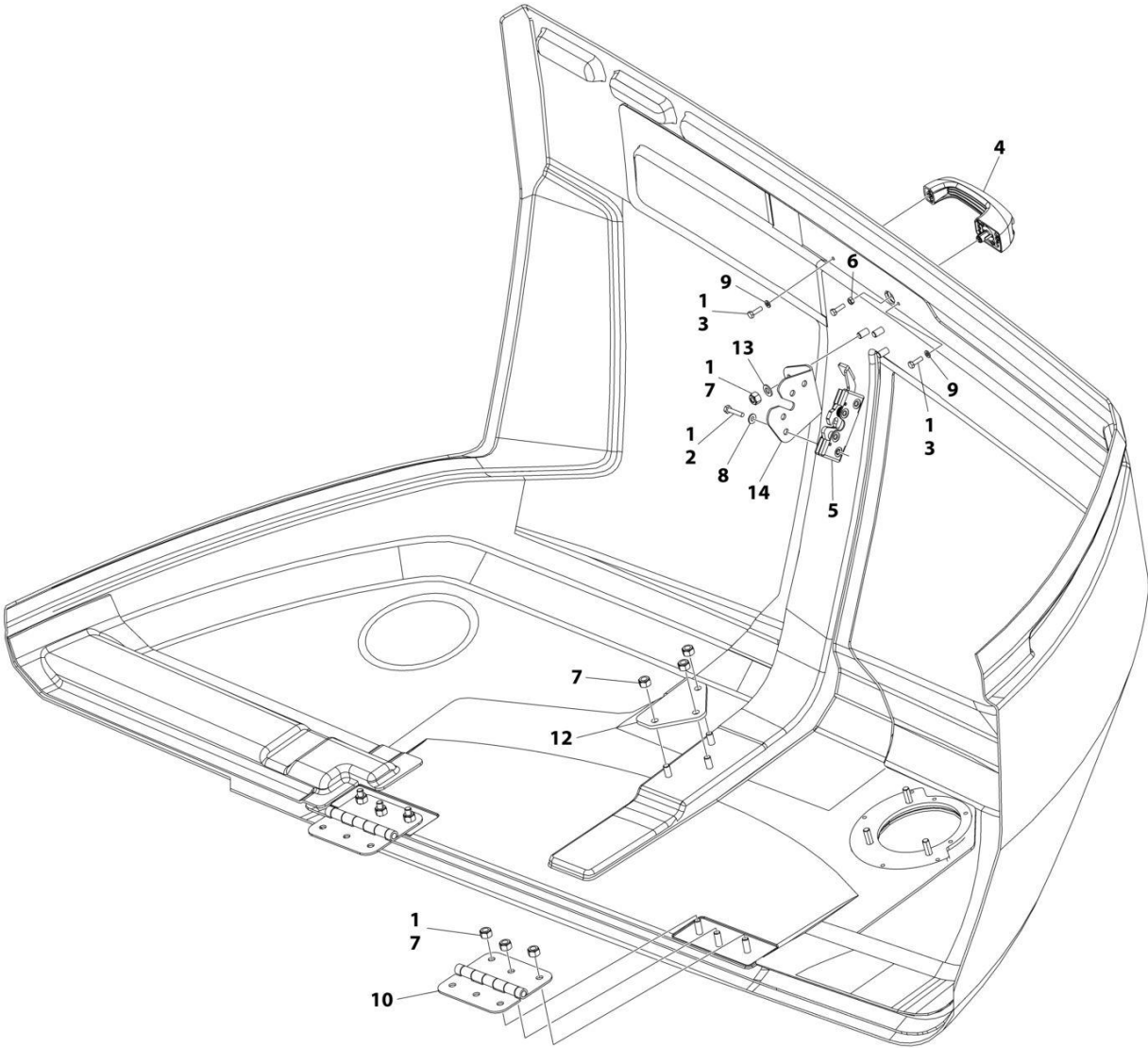
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FIGURE 2-31. HOOD ASSEMBLY (STEEL) - ENGINE SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282143	Ref	HOOD ASSEMBLY (STEEL) - ENGINE SIDE	A
1	0100011	AR	Compound, Locking	
2	0641409	4	Bolt 1/4 x 1/8	
3	0700616	1	Bolt M6 x 40	
4	0761014	50	Bolt M10 x 30	
5	0761016	6	Bolt M10 x 40	
6	2560187	1	Handle	
7	2940173	1	Latch	
8	3290601	1	Nut M6	
9	3290805	3	Nut M8 x 1-1/4	
10	3291005	50	Nut M10 x 1-1/2	
11	3900363	2	Screw M6 x 25	
12	4751400	4	Washer 1/4	
13	4811700	2	Washer M6	
14	4811900	3	Washer M8	
15	4812000	94	Washer M10	
16	5241000	6	Washer M10	
17	1001116290	1	Plate	
18	1001139384	2	Hinge	
19	1001164726	3	Screw M8 x 20	
20	1001167157	1	Mount, Hood	
21	1001169046	2	Nut	
22	1001194888	1	Pipe, Exhaust	
23	1001202333	2	Plate, Nut	
24	1001263664	1	Bracket	
25	1001263669	1	Panel (Top)	
26	1001263677	1	Bracket	
27	1001263693	1	Panel (End)	
28	1001265389	1	Panel (Side)	

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FIGURE 2-32. HOOD ASSEMBLY - ENGINE SIDE (ROMANIAN BUILT MACHINES)



NOTE: REPLACEMENT DECALS MUST BE ORDERED SEPARATELY - SEE DECAL SECTION.

ART_1001241295

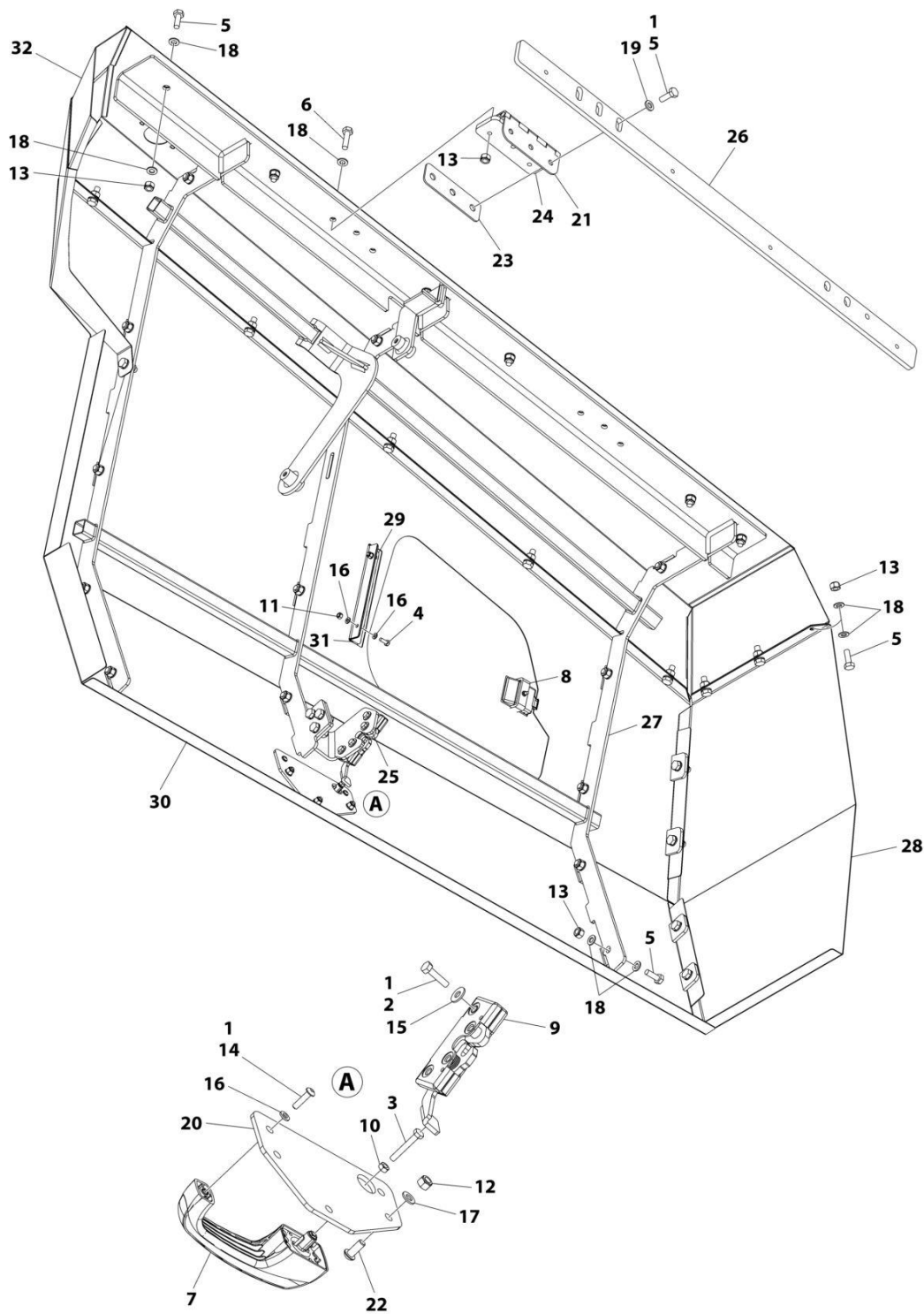
SECTION 2 - TURNTABLE

FIGURE 2-32. HOOD ASSEMBLY - ENGINE SIDE (ROMANIAN BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241295	Ref	HOOD ASSEMBLY - ENGINE SIDE	C
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760610	3	Bolt M6 x 20	
4	2560187	1	Handle	
5	2940173	1	Latch	
6	3290601	1	Nut M6	
7	3291005	12	Nut M10	
8	4711400	4	Washer 1/4	
9	4811700	2	Washer M6	
10	1001259230	2	Hinge	
12	1001178228	1	Bracket	
13	4812000	3	Washer M10	
14	1001202830	1	Support	

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FIGURE 2-33. HOOD ASSEMBLY (STEEL) - TANK SIDE



ART_1001285988

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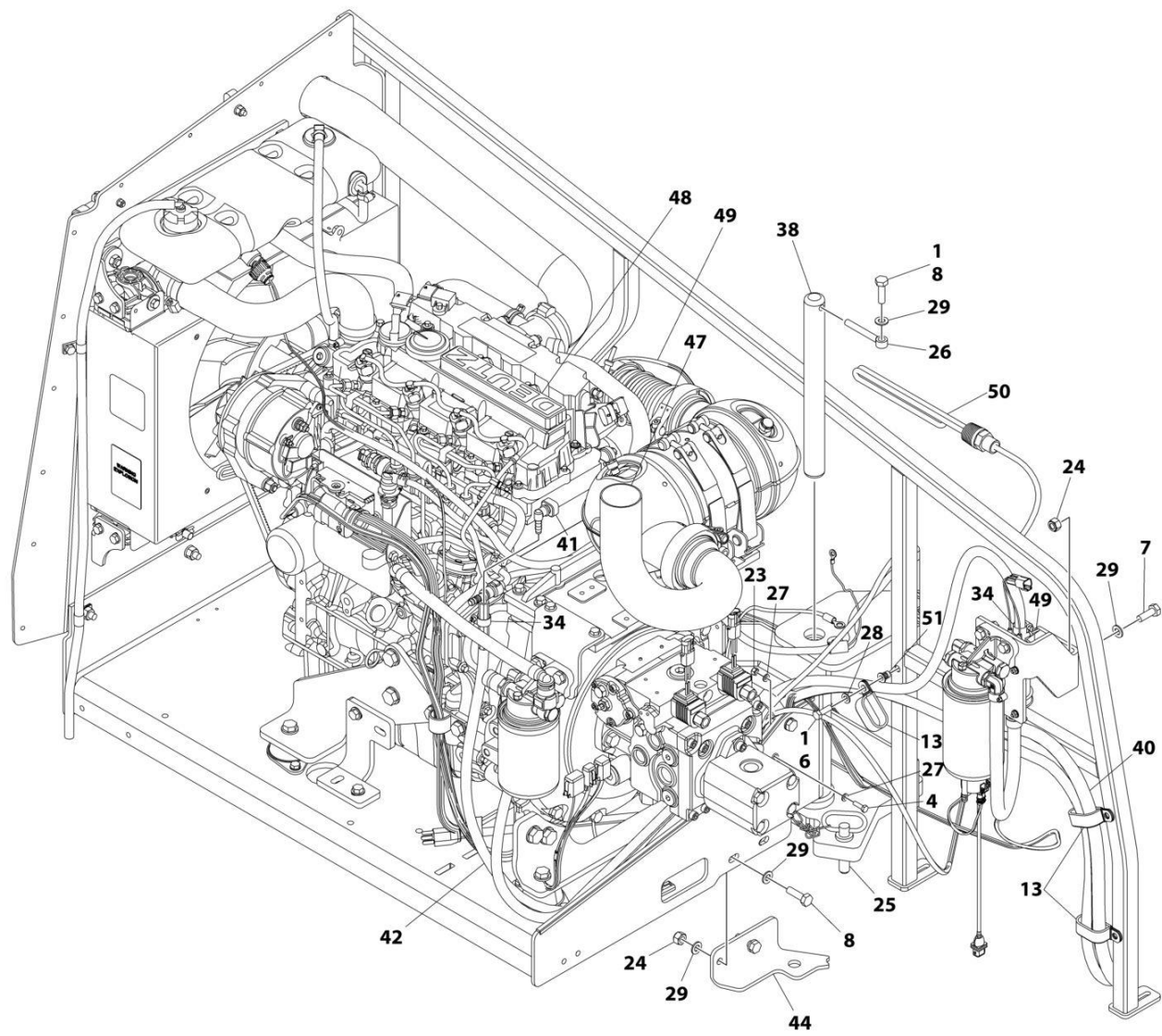
FIGURE 2-33. HOOD ASSEMBLY (STEEL) - TANK SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285988	Ref	HOOD ASSEMBLY (STEEL) - TANK SIDE	A
1	0100011	AR	Compound, Locking	
2	0641409	4	Bolt 1/4 x 1/8	
3	0700616	1	Bolt M6 x 40	
4	0760608	2	Bolt M6 x 16	
5	0761014	42	Bolt M10 x 30	
6	0761016	6	Bolt M10 x 40	
7	2560187	1	Handle	
8	2940045	1	Latch	
9	2940173	1	Latch	
10	3290601	1	Nut M6	
11	3290605	2	Nut M6	
12	3290805	3	Nut M8 x 1-1/4	
13	3291005	42	Nut M10 x 1-1/2	
14	3900363	2	Screw M6 x 25	
15	4751400	4	Washer 1/4	
16	4811700	6	Washer M6	
17	4811900	3	Washer M8	
18	4812000	78	Washer M10	
19	5241000	6	Washer M10	
20	1001116290	1	Plate	
21	1001139384	2	Hinge	
22	1001164726	3	Screw M8 x 20	
23	1001169046	2	Nut	
24	1001202333	2	Plate, Nut	
25	1001263663	1	Bracket	
26	1001263668	1	Plate, Hinge	
27	1001263678	1	Bracket	
28	1001263694	1	Panel (End)	
29	1001263787	1	Door	
30	1001265390	1	Panel (Side)	
31	1001281623	4.88 ft/1.49m	Seal	
32	1001285640	1	Panel (Top)	

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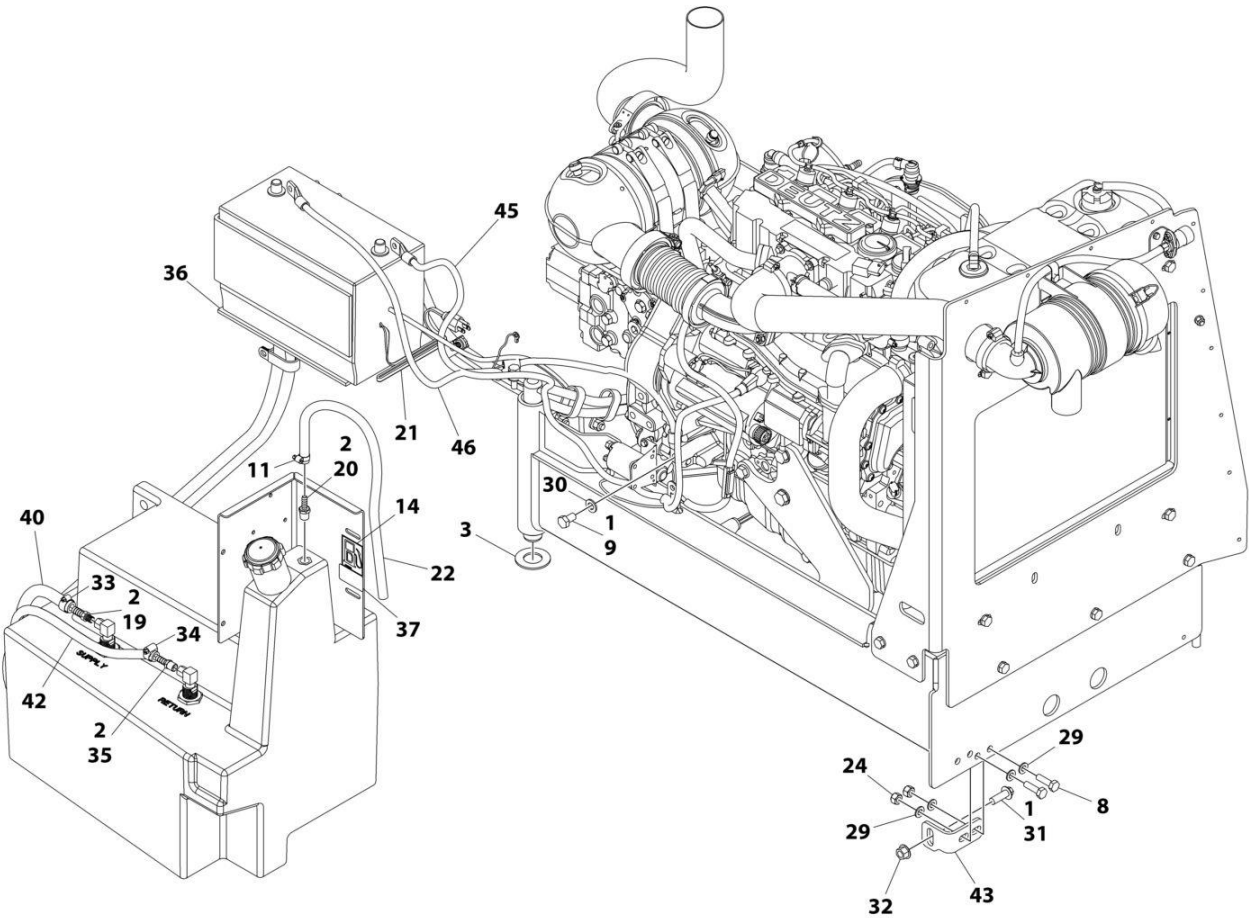
FIGURE 3-1. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)



ART_1001287815_10F3

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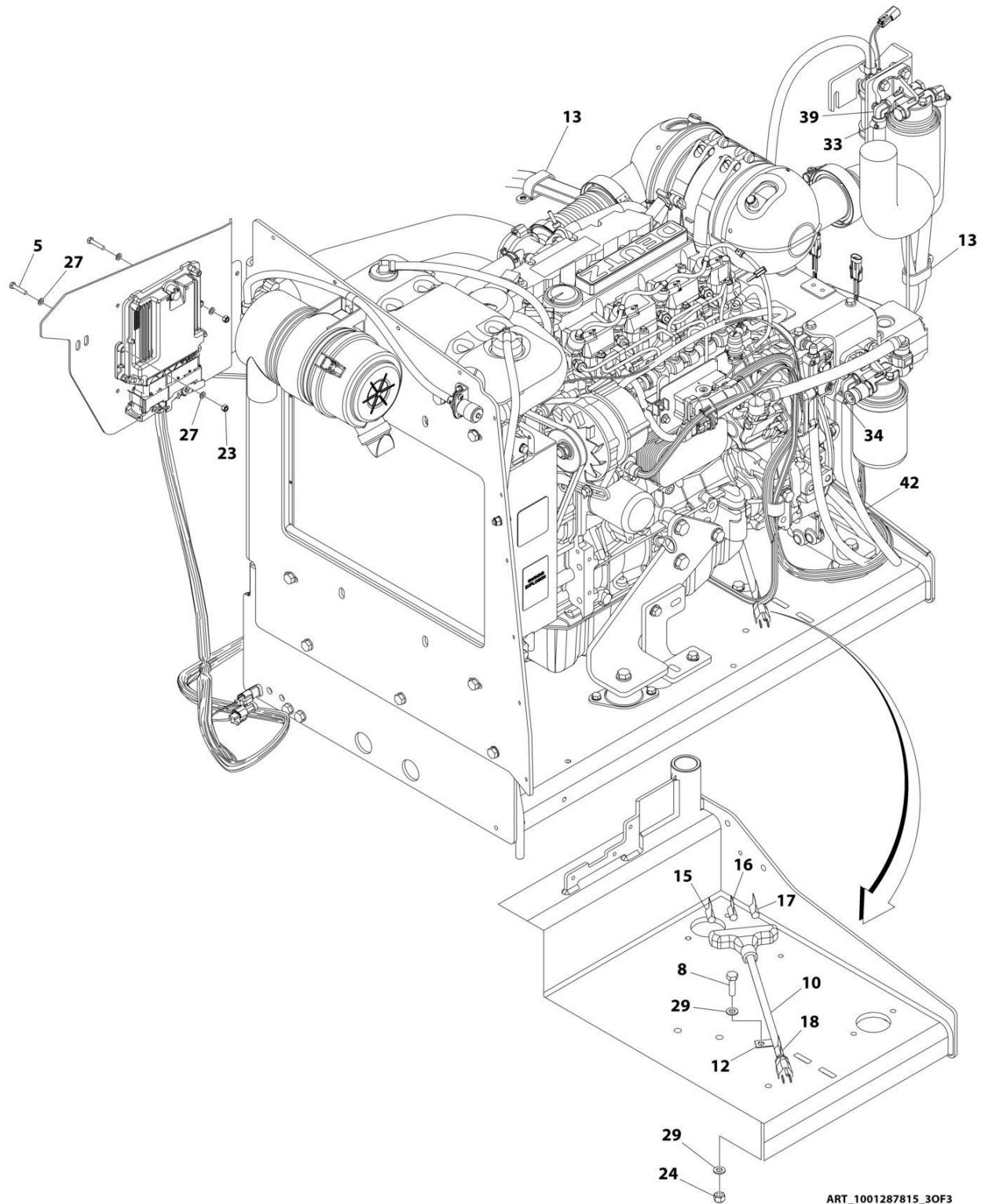
FIGURE 3-2. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)



ART_1001287815_2OF3

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FIGURE 3-3. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)



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FIGURE 3-3. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)

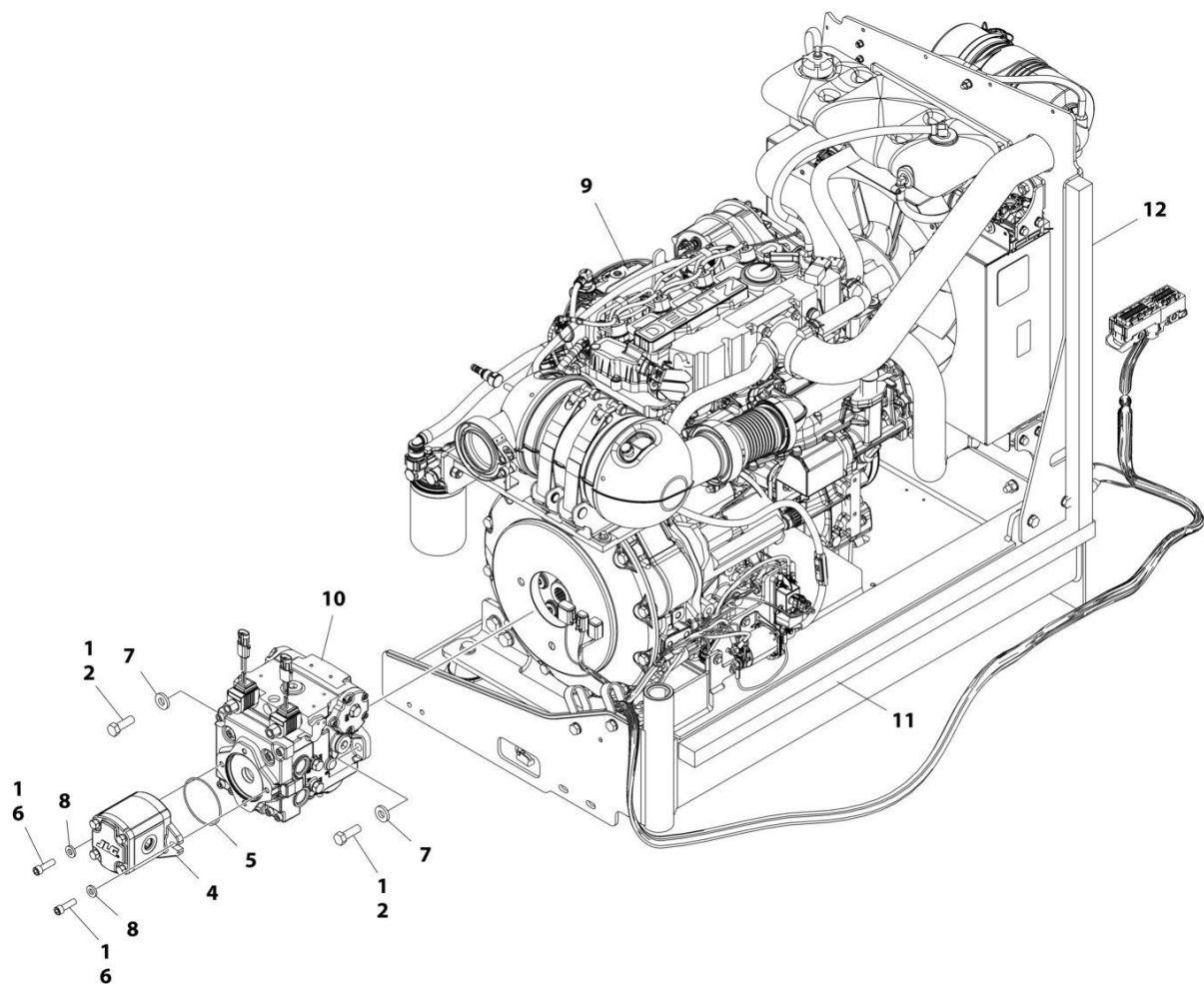
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287815	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0760610	1	Bolt M6 x 20	
5	0760614	4	Bolt M6 x 30	
6	0760812	1	Bolt M8 x 25	
7	0761014	2	Bolt M10 x 30	
8	0761015	6	Bolt M10 x 35	
9	0761210	1	Bolt M12 x 20	
10	1060626	1	Plug, 3 Way	
11	1320022	1	Clamp	
12	1320223	1	Clamp	
13	1321716	4	Clamp	
14	1701505	1	Decal - Diesel Fuel	
15	1702941	1	Decal - Battery Heater	
16	1702942	1	Decal - Engine Block Heater	
17	1702943	1	Decal - Hydraulic Tank Heater	
18	1702944	1	Decal - Heater Cord	
19	2180832	1	Fitting, Barbed	
20	2180876	1	Fitting, Barbed	
21	2580024	1	Heater, Battery	
22	2720058	2 ft /0.61m	Hose	
23	3290605	5	Nut, Lock M6	
24	3291005	7	Nut, Lock M10	
25	3422532	1	Pin	
26	3841143	1	Keeper, Pin	
27	4811700	10	Washer M6	
28	4811900	1	Washer, M8	
29	4812000	13	Washer M10	
30	4812100	1	Washer M12	
31	5251215	1	Bolt, M12 x 35 Class 10.9	
32	5261200	1	Nut, Flange M12 Class 10	
33	8405006	2	Clamp	
34	8410013	4	Clamp	
35	8430007	1	Coupling	
36	1001119278	1	Insulate	
37	1001125387	1	Decal - Ultra Low Sulfur Fuel	
38	1001135196	1	Pin	
39	1001142501	1	Fitting, Barbed 90	
40	1001154405	7.25 ft /2.21m	Hose	
41	1001155823	1	Coupling, Quick Disconnect 90	
42	1001165035	17.25 ft /5.26m	Hose	
43	1001167512	1	Bracket, Engine Tray	
44	1001169823	1	Plate, Engine Lock	
45	1001171683	1	Cable, Battery (Red) (Battery Positive to Auxiliary Power Relay)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001171684	1	Cable, Battery (Black) (Battery Negative to Auxiliary Power Pump)	
47	1001172736	1	Pipe, Exhaust	
48	1001174778	1	Engine and Pump Sub-Assembly - Deutz D2.9L4 (With Arctic Package) (See Separate Breakdown in this Section)	
49	1001181358	1	Harness, Fuel Pump (See Separate Breakdown in ELECTRICAL Section)	
50	1001188972	1	Heater, Hydraulic Tank	
51	1001191832	1	Nut, Rivet M8	
52	1001233763	Ref	Breather Heater Installation (Not Shown - See Separate Breakdown in this Section)	

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FIGURE 3-4. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)



ART_1001174778

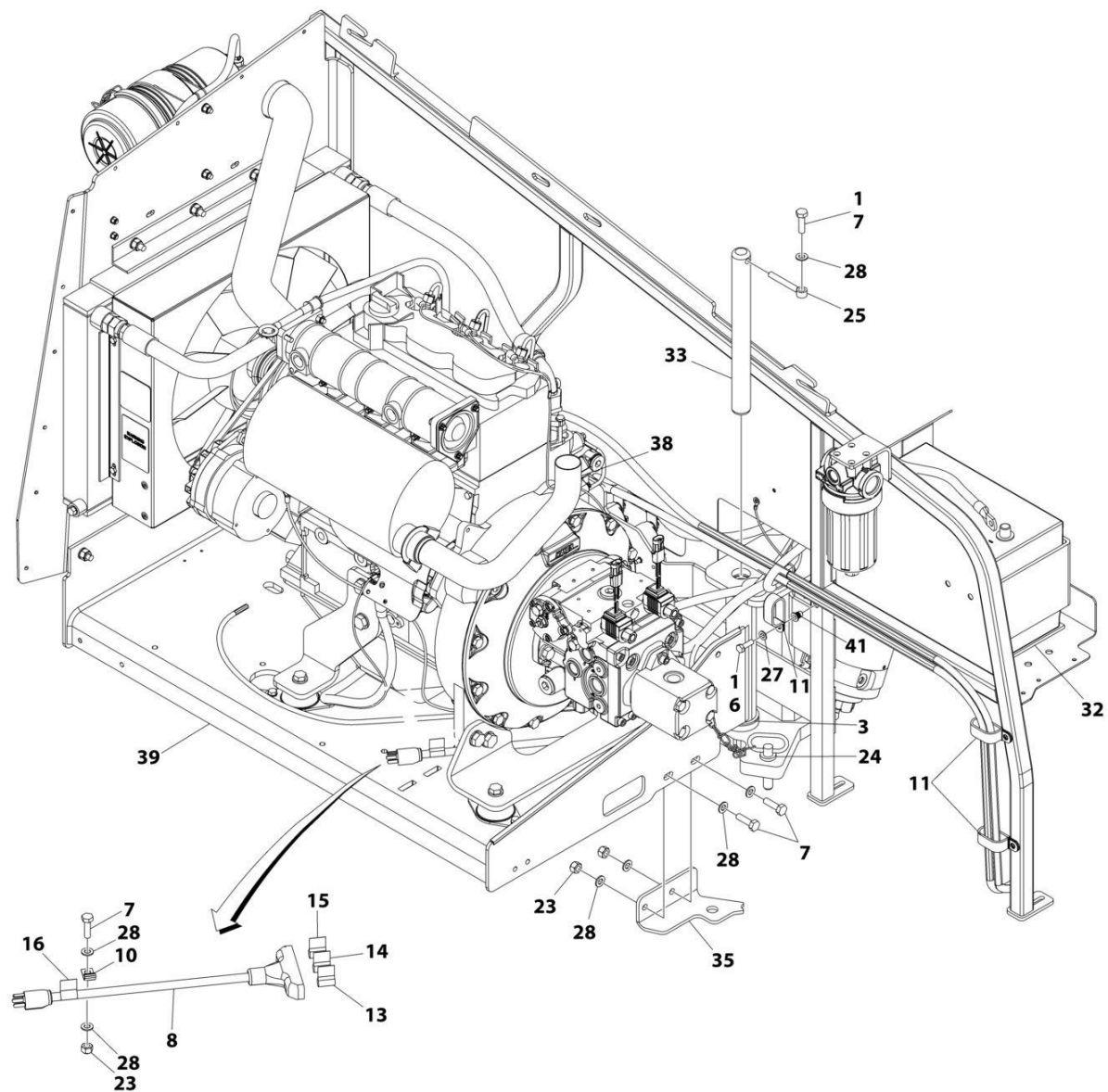
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FIGURE 3-4. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)

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

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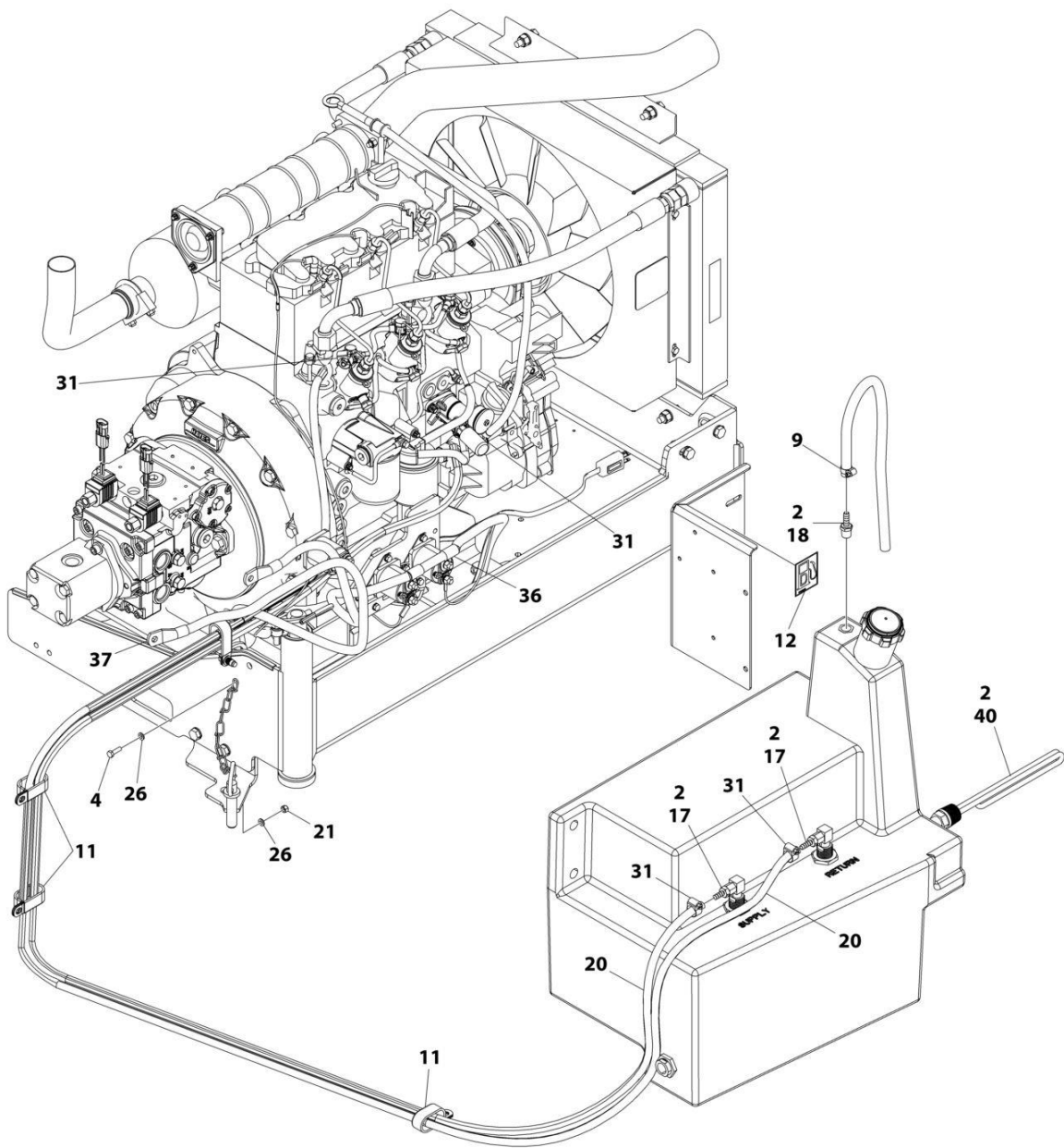
FIGURE 3-5. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)



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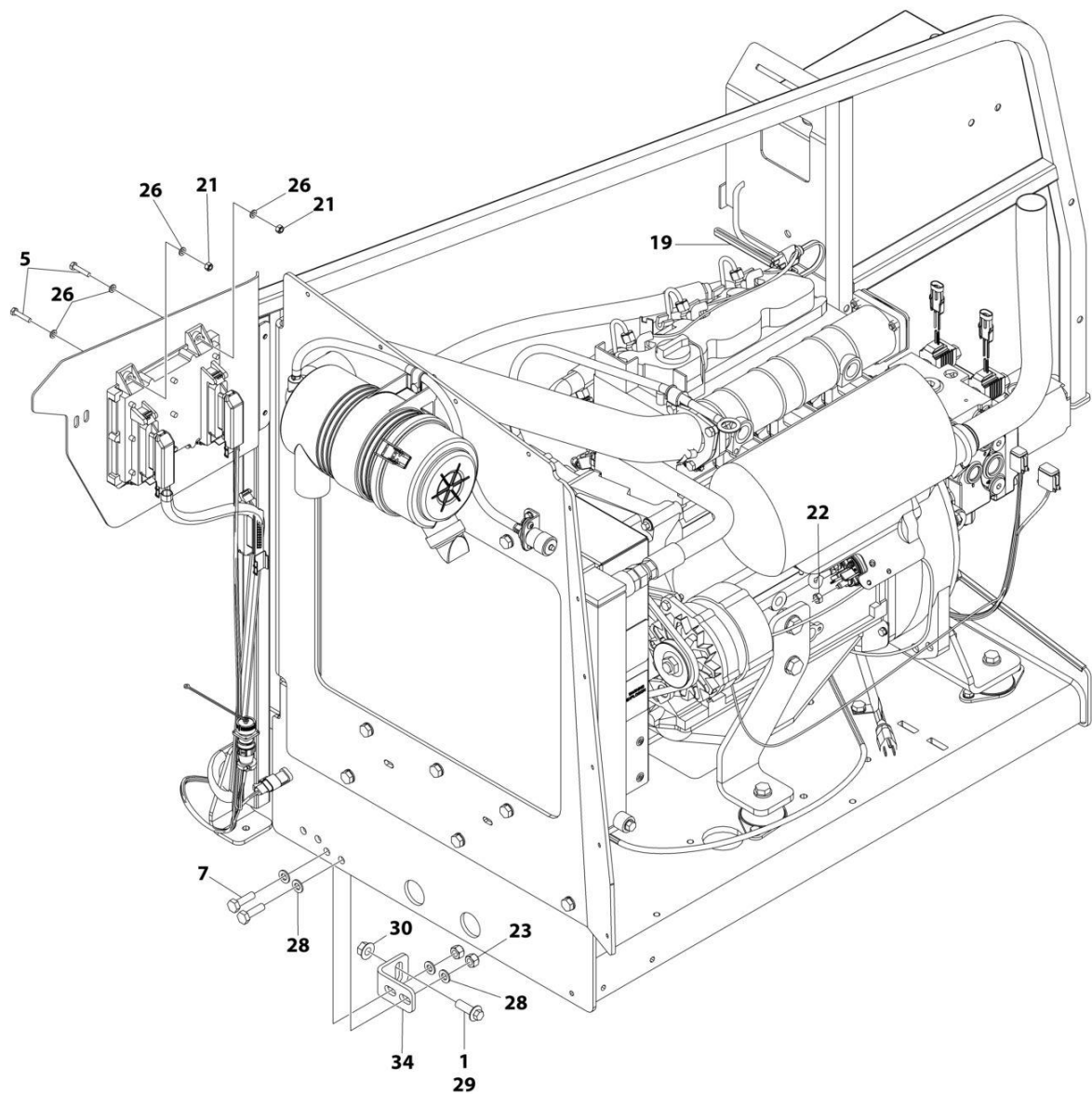
FIGURE 3-6. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)



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FIGURE 3-7. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)



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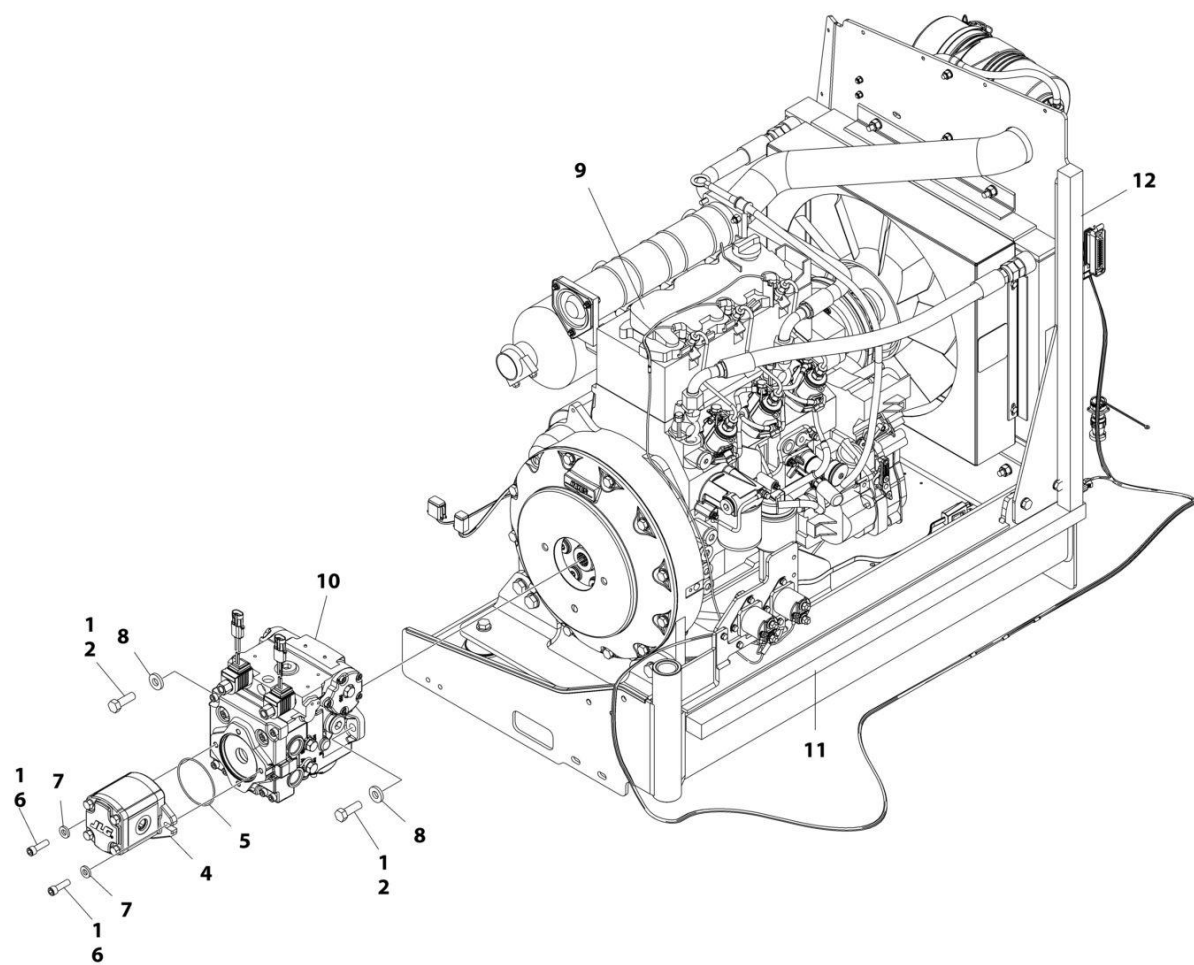
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FIGURE 3-7. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287816	Ref	ENGINE INSTALLATION - DEUTZ D2011	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0760610	1	Bolt M6 x 20	
5	0760614	4	Bolt M6 x 30	
6	0760812	1	Bolt M8 x 25	
7	0761015	6	Bolt M10 x 35	
8	1060626	1	Plug, 3 Way	
9	1320022	1	Clamp	
10	1320223	1	Clamp	
11	1321716	4	Clamp	
12	1701505	1	Decal - Diesel Fuel	
13	1702941	1	Decal - Battery Heater	
14	1702942	1	Decal - Engine Block Heater	
15	1702943	1	Decal - Hydraulic Tank Heater	
16	1702944	1	Decal - Heater Cord	
17	2180348	2	Fitting, Barbed	
18	2180876	1	Fitting, Barbed	
19	2580024	1	Heater, Battery	
20	2720058	22 ft /6.7m	Hose	
21	3290605	5	Nut, Lock M6	
22	3290801	1	Nut M8	
23	3291005	5	Nut, Lock M10	
24	3422532	1	Pin	
25	3841143	1	Keeper, Pin	
26	4811700	10	Washer M6	
27	4811900	1	Washer M8	
28	4812000	11	Washer M10	
29	5251215	1	Bolt M12 x 35 Class 10.9	
30	5261200	1	Nut, Flange M12 Class 10	
31	8410013	4	Clamp	
32	1001119278	1	Insulate	
33	1001135196	1	Pin	
34	1001167512	1	Bracket, Engine	
35	1001169823	1	Plate, Engine Lock	
36	1001171681	1	Cable, Battery (Red) (Battery Positive to Auxiliary Power Relay)	
37	1001171682	1	Cable, Battery (Black) (Battery Negative to Auxiliary Power Pump)	
38	1001172202	1	Pipe, Exhaust	
39	1001174784	1	Engine and Pump Sub-Assembly - Deutz D2011 (With Arctic Package) (See Separate Breakdown in this Section)	
40	1001188972	1	Heater, Hydraulic Tank	
41	1001191832	1	Nut, Rivet M8	

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FIGURE 3-8. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.3L3 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)



ART_1001174784

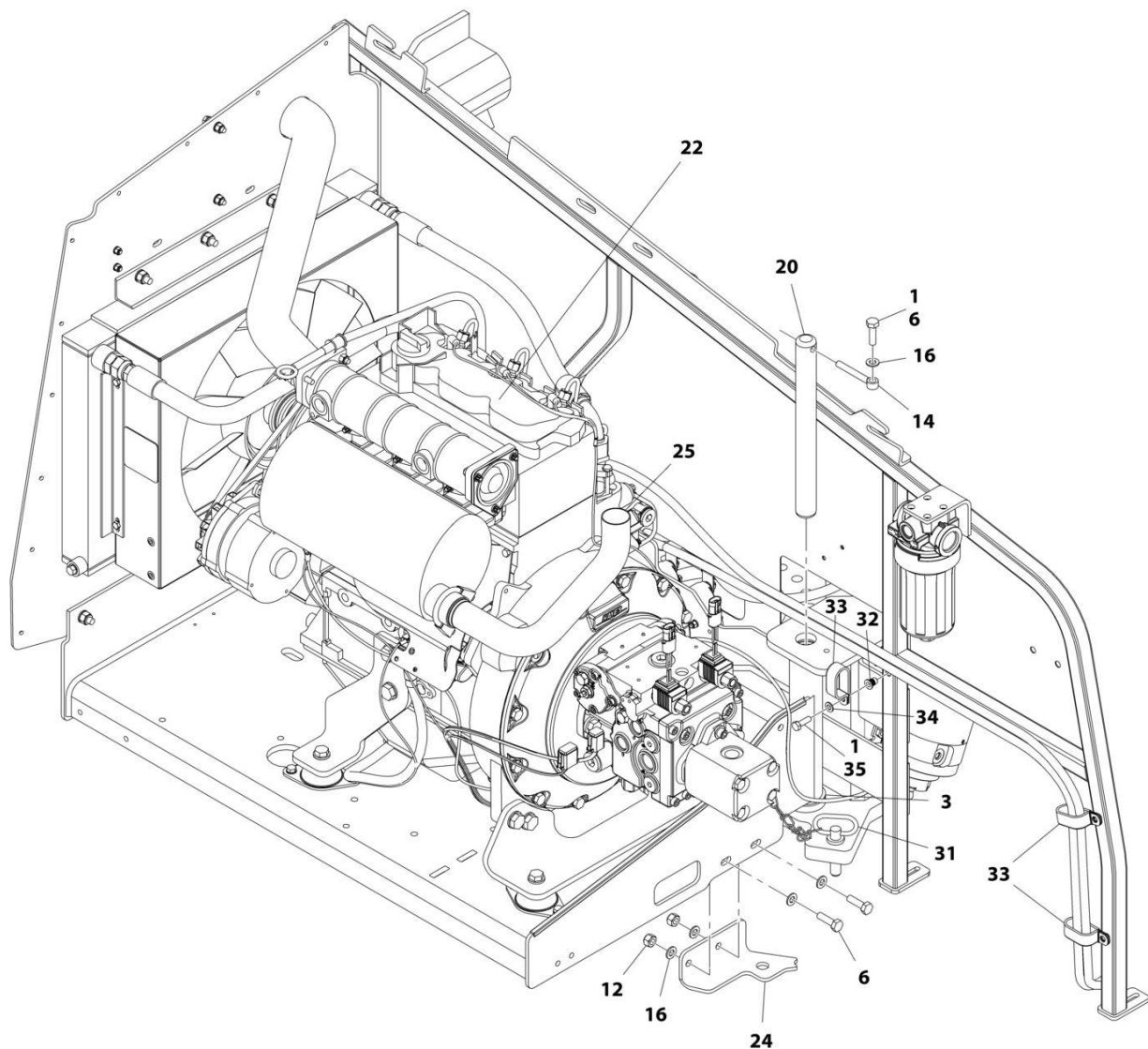
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FIGURE 3-8. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.3L3 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)

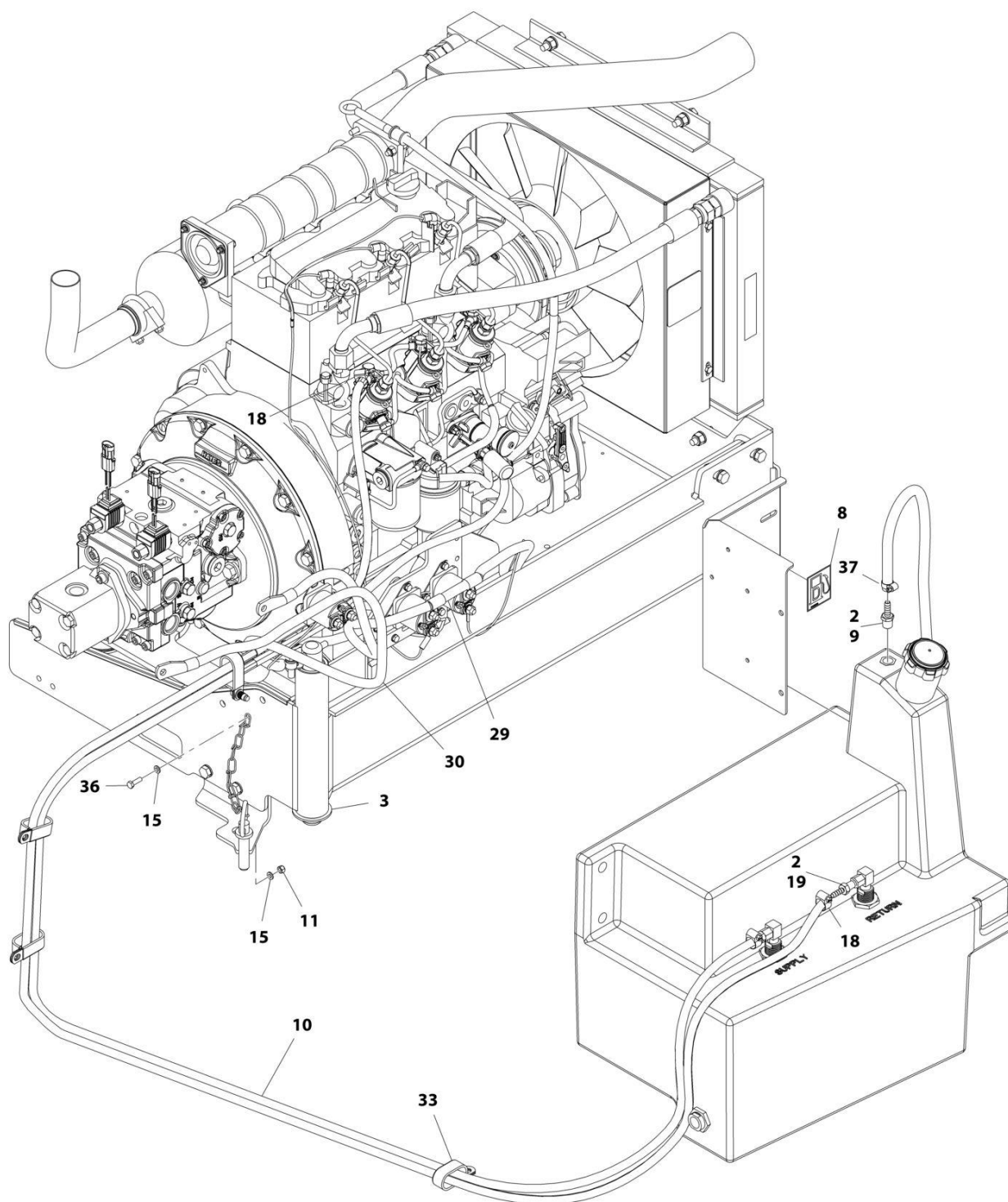
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174784	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITH ARCTIC PACKAGE)	F
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
4	1001214207	1	Gear Pump Assembly	
4	70006356	1	Seal Kit - 1001214207 Pump	
5	3790152	1	O-Ring	
6	3931618	2	Capscrew 3/8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

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FIGURE 3-9. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)

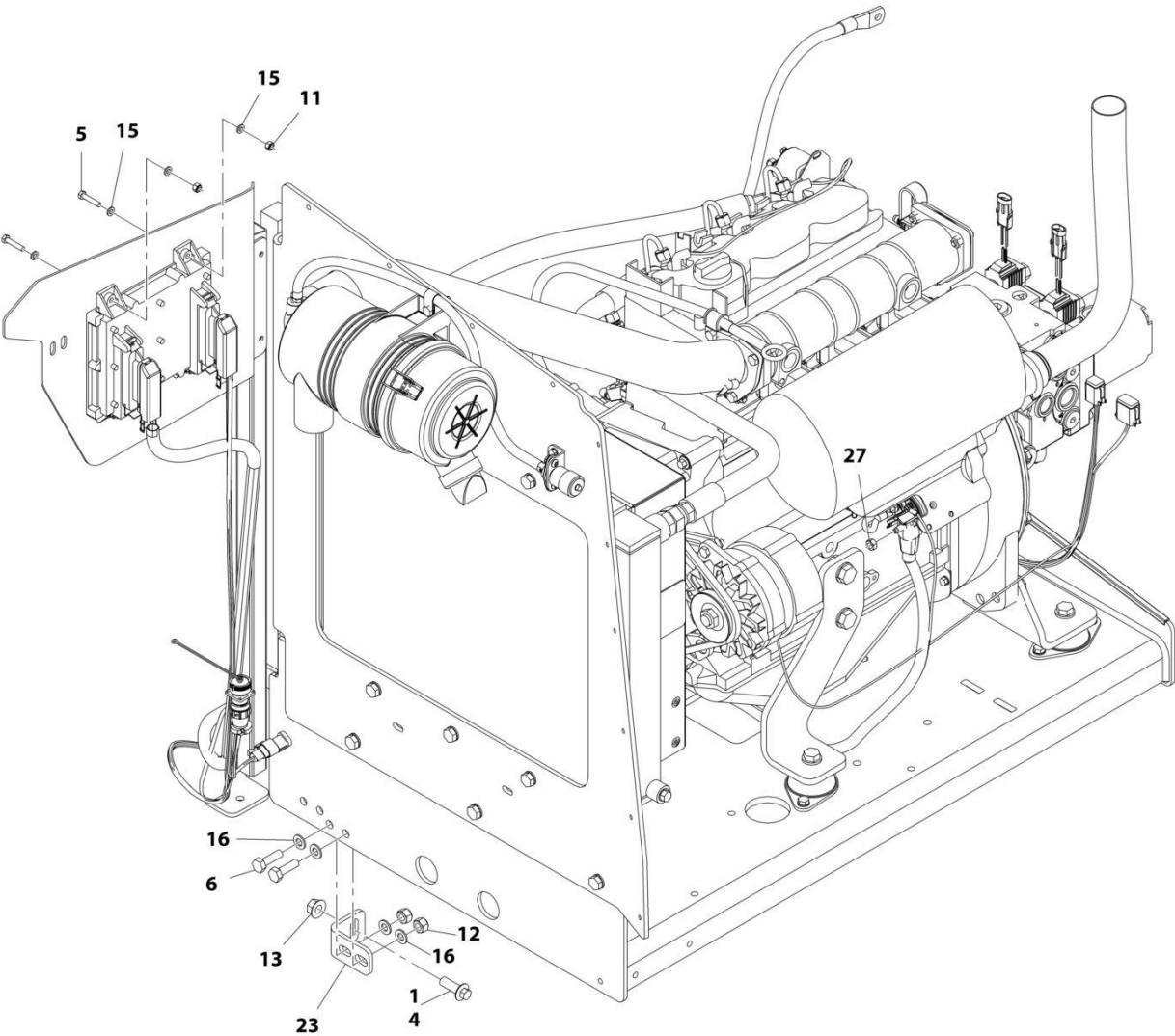


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ART_1001166305_3OF3

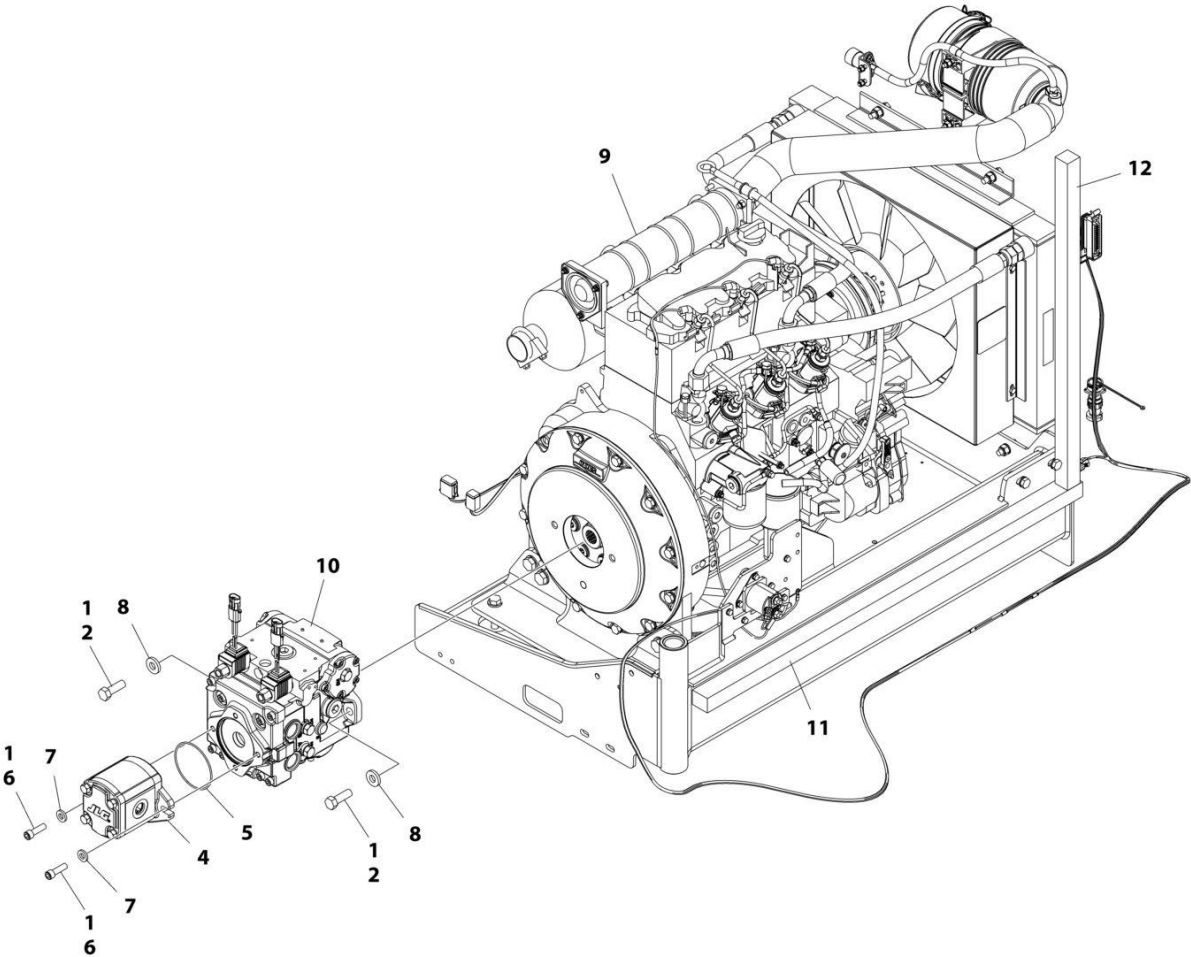
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FIGURE 3-9. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166305	Ref	ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE)	F
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	5251215	1	Bolt M12 x 35	
5	0760614	4	Bolt M6 x 30	
6	0761015	5	Bolt M10 x 35	
7	1704972	1	Decal - Warning Explosion/Fire	
8	1701505	1	Decal - Diesel Fuel	
9	2180876	1	Fitting, Barbed	
10	2720058	22 ft /6.7m	Hose	
11	3290605	5	Nut M6	
12	3291005	4	Nut M10	
13	5261200	1	Nut, Flange M12 Grade 10.9	
14	3841143	1	Keeper, Pin	
15	4811700	10	Washer M6	
16	4812000	9	Washer M10	
18	8410013	4	Clamp	
19	2180348	2	Fitting, Barbed	
20	1001135196	1	Pin	
22	1001166021	1	Engine and Pump Sub-Assembly - Deutz D2011 (Without Arctic Package) (See Separate Breakdown in this Section)	
23	1001167512	1	Bracket, Engine	
24	1001169823	1	Bracket, Engine	
25	1001172202	1	Pipe, Exhaust	
27	3290801	1	Nut M8	
29	1001171681	1	Cable, Battery (Red) (Battery Positive to Auxiliary Power Relay)	
30	1001171682	1	Cable, Battery (Black) (Battery Negative to Auxiliary Power Pump)	
31	3422532	1	Pin	
32	1001191832	1	Nut, Rivet, M8	
33	1321716	4	Clamp	
34	4811900	1	Washer M8	
35	0760812	1	Bolt M8 x 25	
36	0760610	1	Bolt M6 x 20	
37	1320022	1	Clamp	

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FIGURE 3-10. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITHOUT ARCTIC PACKAGE)
(ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)



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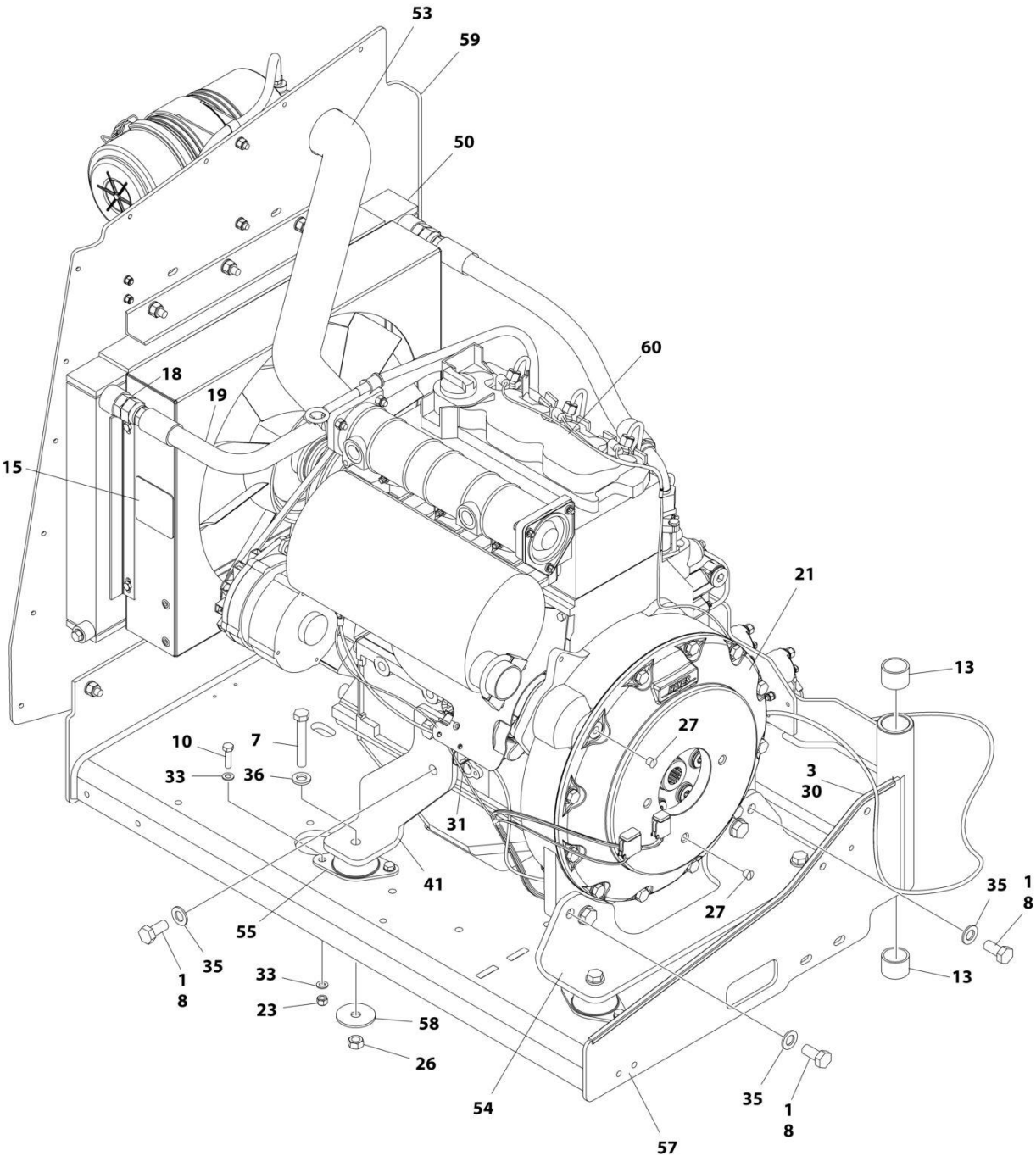
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**FIGURE 3-10. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITHOUT ARCTIC PACKAGE)
(ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)**

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

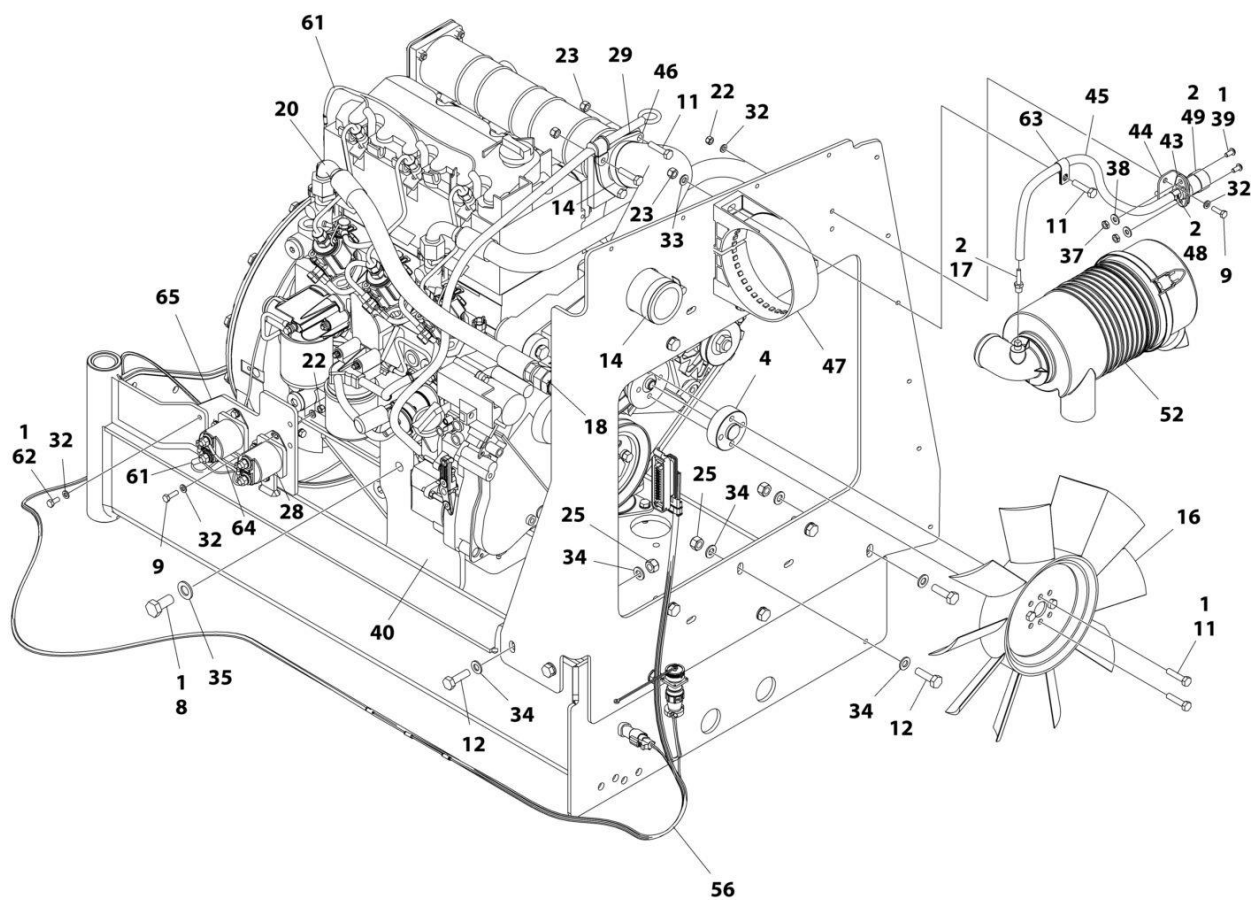
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FIGURE 3-11. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)



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FIGURE 3-11. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE (LRC), CIS/EAC & UK CA SPECS)

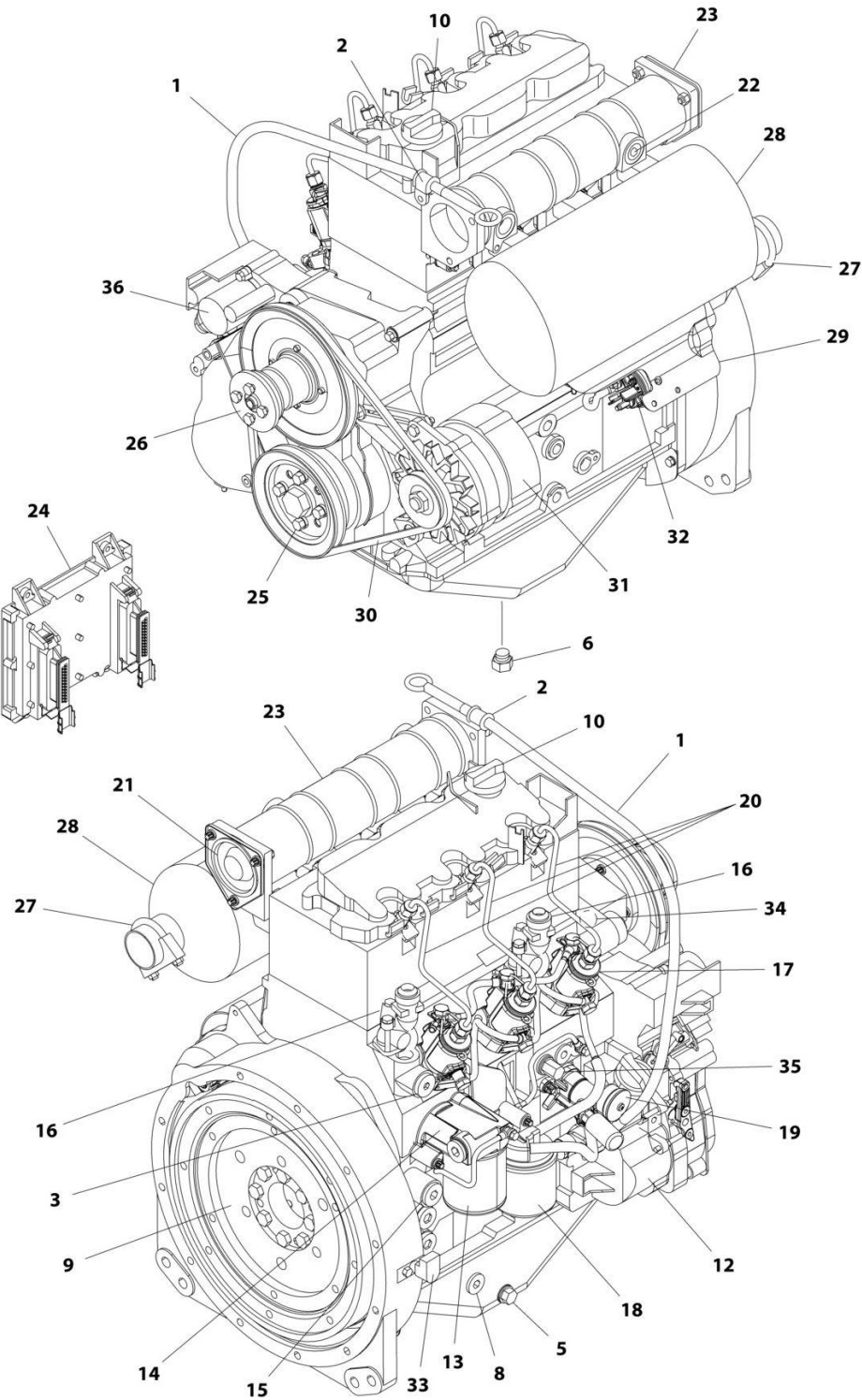
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166020	Ref	ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE)	O
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0080231	1	Spacer, Fan	
7	0711224	4	Bolt M12 x 80 Grade 10.9	
8	0771414	8	Bolt M14 x 30 Grade 10.9	
9	0760610	6	Bolt M6 x 20	
10	0760814	8	Bolt M8 x 30	
11	0760815	9	Bolt M8 x 35	
12	0761015	11	Bolt M10 x 35	
13	0961951	2	Bushing	
14	1320016	2	Clamp	
15	1703162	2	Decal - Caution Fan	
16	2060025	1	Fan	
17	2220315	1	Fitting, Barbed	
18	2220451	2	Fitting, Straight JIC/ORB	
19	2720398	1	Hose	
20	2720447	1	Hose	
21	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
22	3290605	6	Nut M6 x 1	
23	3290805	13	Nut M8 x 1-1/4	
25	3291005	11	Nut M10 x 1-1/2	
26	3331215	4	Nut M12 x 1-3/4	
27	3520054	2	Plug	
28	3740067	2	Relay Assembly	
28	3300220	2	Nut	
28	3321001	1	Nut #10	
28	3740140	1	Relay	
28	4761000	1	Washer #10	
28	1001111424	2	Washer	
29	3960407	1	Gasket	
30	4060805	2.25 ft/ 0.69m	Trim-Flex	
31	4240099	AR	Tie-Strap	
32	4811700	15	Washer M6	
33	4811900	20	Washer M8	
34	4812000	22	Washer M10	
35	4812200	8	Washer M14	
36	5241200	4	Washer M12	
37	8305401	2	Nut, Jam	
38	8307109	2	Washer, .250	
39	8310548	2	Screw 1/4 x 1/2	
40	1001132195	1	Bracket, Engine Mount	
41	1001132196	1	Bracket, Engine Mount	
43	1001138173	1	Support, Service Indicator	
44	1001138175	1	Bracket, Service Indicator	
45	1001138248	2 ft/	Tube	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		0.61m		
46	1001139819	1	Adapter, Air Intake	
47	1001141694	1	Clamp, Air Cleaner	
48	1001141995	1	Fitting, Barbed	
49	1001143390	1	Indicator	
50	1001150998	1	Radiator	
52	1001165388	1	Air Cleaner Assembly	
52	70003783	1	Element, Air Cleaner	
53	1001165389	1	Hose	
54	1001166717	1	Bracket, Engine Mount	
55	1001166718	4	Isolator, Engine Mount	
56	1001167111	1	Harness Engine - Deutz D2011 (See Separate Breakdown in ELECTRICAL SECTION)	
57	1001167520	1	Tray, Engine	
58	1001168018	4	Washer, Snubbing	
59	1001168059	1	Plate, Radiator Mounting	
60	1001170693	1	Engine, Deutz D2011 (See Separate Breakdown in this Section)	
61	4923451	1	Harness, Glow Plugs	
62	0760614	3	Bolt M6 x 30	
63	8406109	1	Clip	
64	1001178859	1	Cable, Alternator	
65	1001214975	1	Bracket	

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FIGURE 3-12. ENGINE COMPONENTS - DEUTZ D2011



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FIGURE 3-12. ENGINE COMPONENTS - DEUTZ D2011

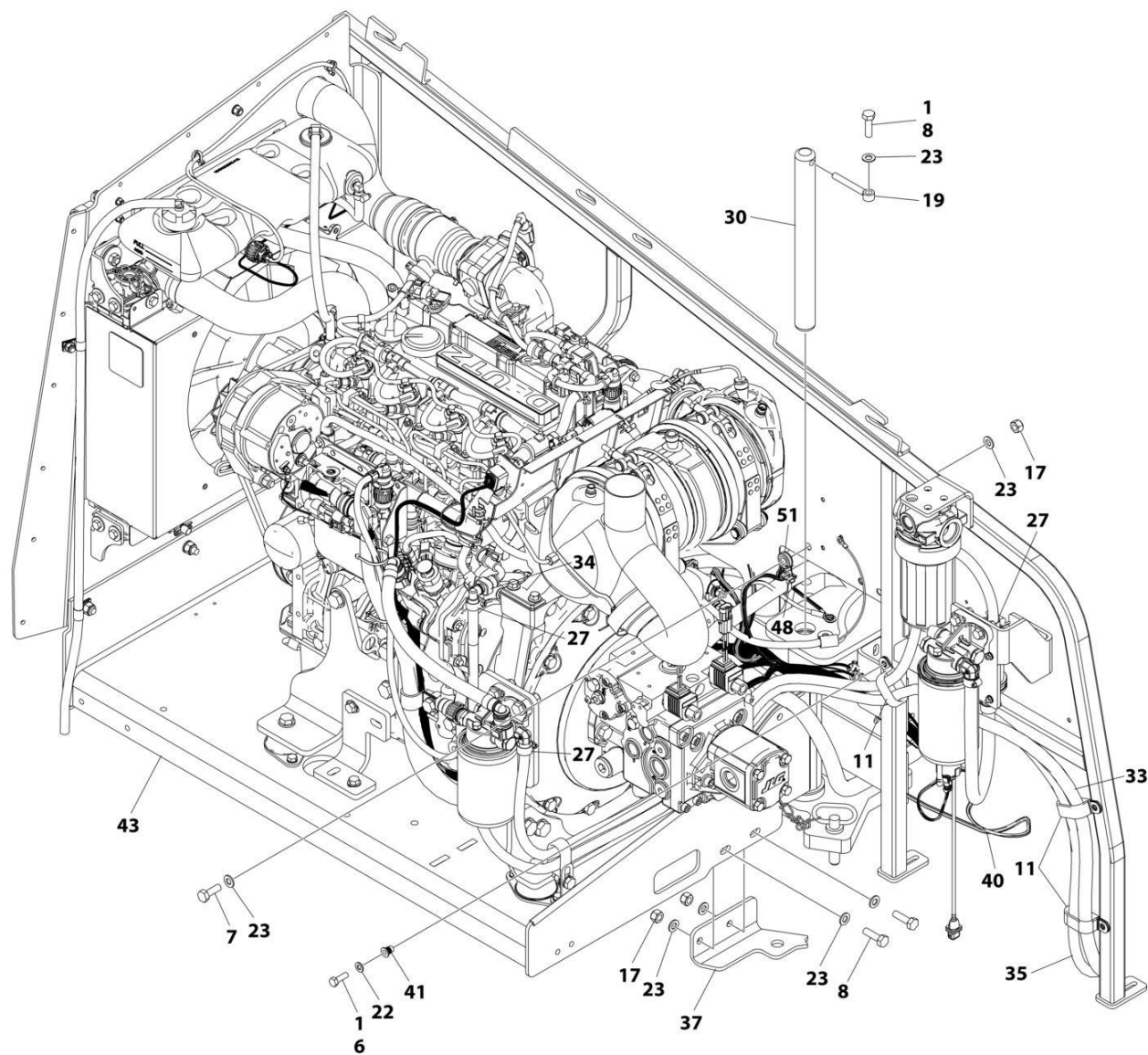
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170693	Ref	ENGINE COMPONENTS - DEUTZ D2011	C
1	70001002	1	Tube, Dipstick	
1	7020403	1	Seal, Tube	
1	7020026	1	Dipstick	
2	70001654	1	Clamp	
2	70001655	1	Bolt	
3	70003475	1	Thermostat	
3	7020460	1	Spring	
4		Ref	Seal and Gasket Options (Not Shown):	
4	70002718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

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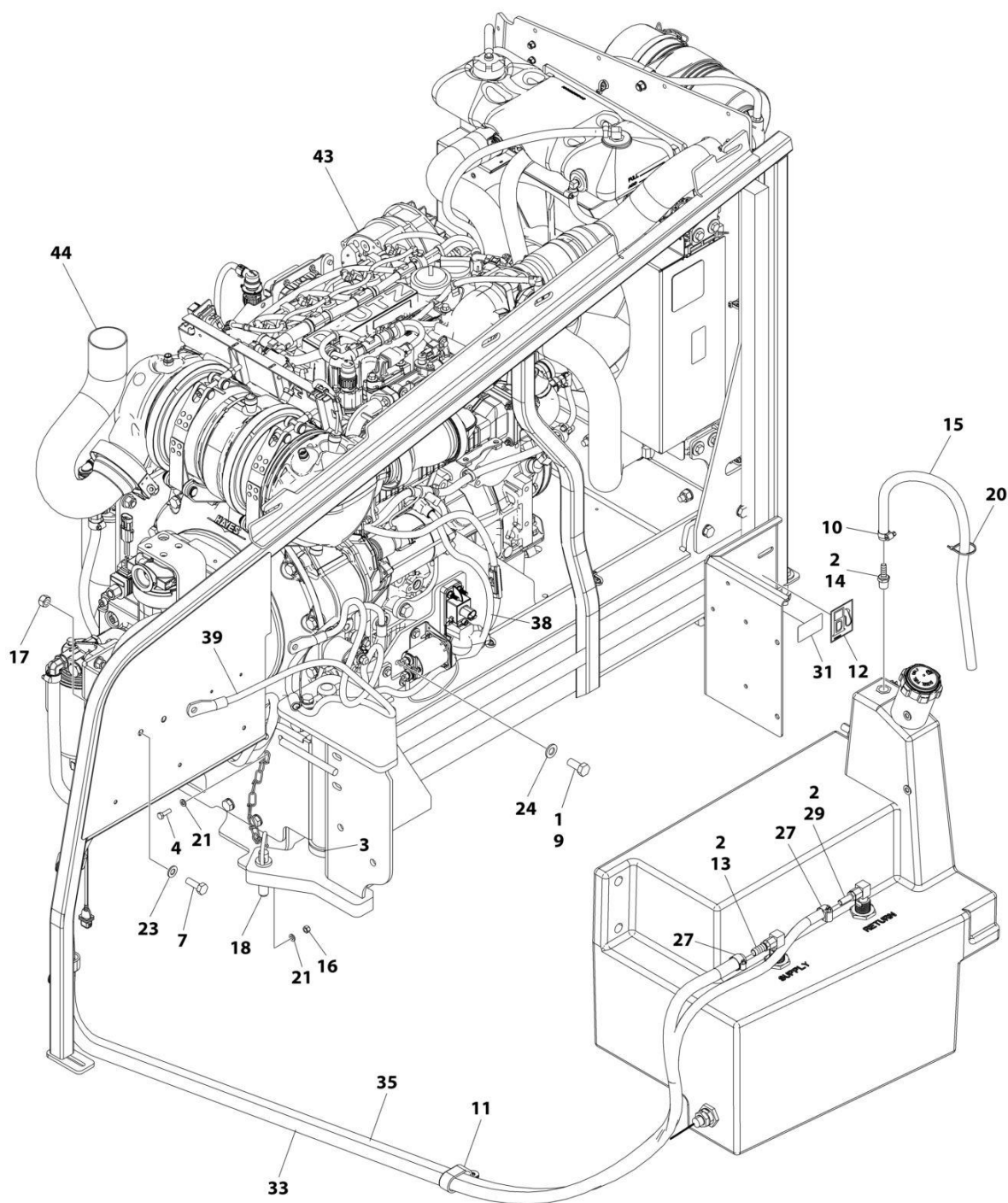
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	70000919	1	Pump, Hand	
19	70001435	1	Repair Kit	
19	70025694	2	Bolt, Torx	
20	70000931	3	Pipe, High Pressure	
21	70003469	1	Flange, Intake	
21	70003468	1	Seal	
22	70025084	1	Plug	
22	7020492	1	Seal, Plug	
23	7027903	1	Manifold, Air Intake	
23	70001871	3	Gasket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

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FIGURE 3-13. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

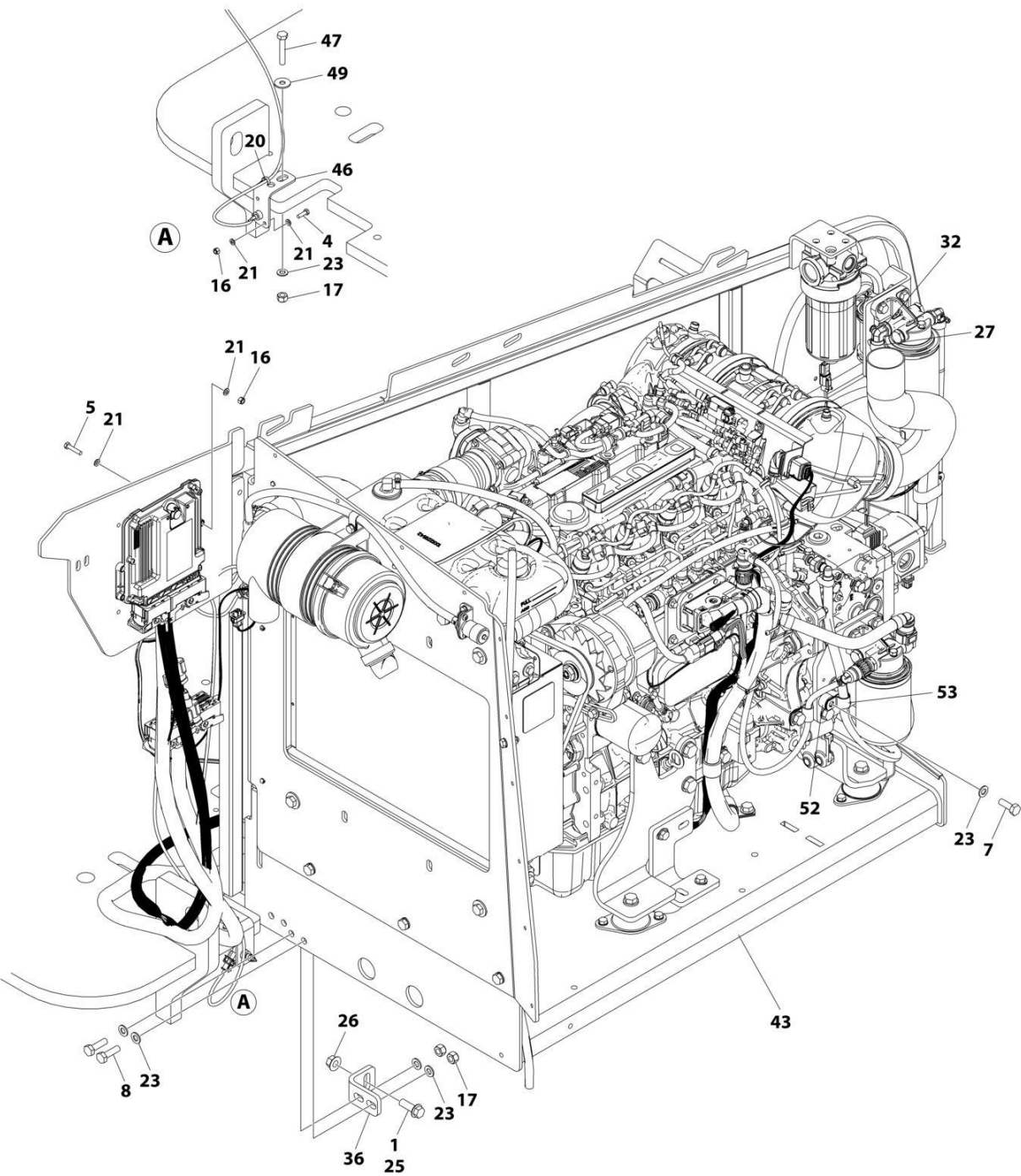


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FIGURE 3-13. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

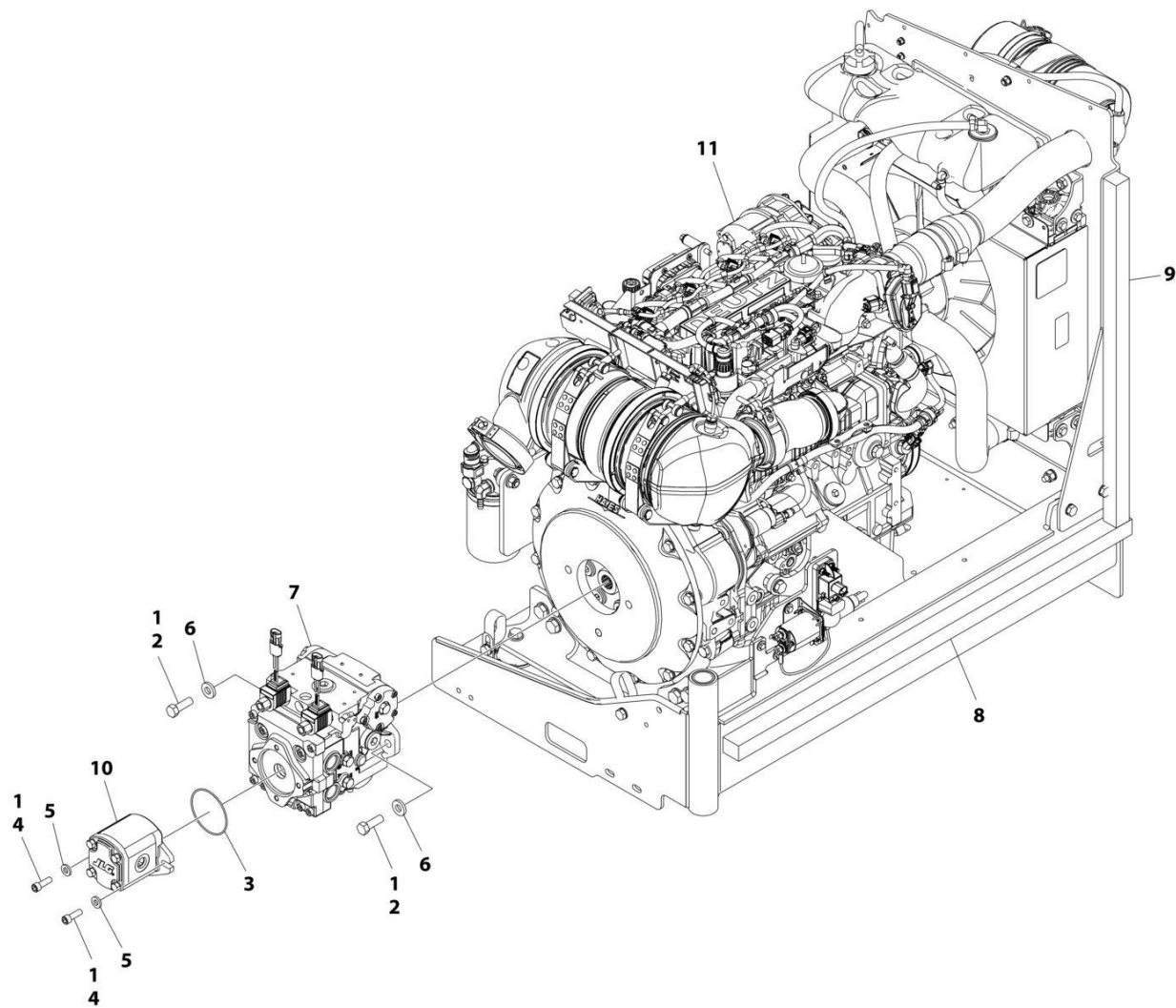
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244287	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (STAGE V)	H
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0760610	2	Bolt M6 x 20	
5	0760614	4	Bolt M6 x 30	
6	0760812	1	Bolt M8 x 25	
7	0761014	4	Bolt M10 x 30	
8	0761015	5	Bolt M10 x 35	
9	0771212	1	Bolt M12 x 25	
10	1320022	1	Clamp	
11	1321716	4	Clamp	
12	1701505	1	Decal - Diesel Fuel	
13	2180832	1	Fitting, Barbed	
14	2180876	1	Fitting, Barbed	
15	2720058	2 ft /0.6m	Hose	
16	3290605	6	Nut M6	
17	3291005	8	Nut M10	
18	3422532	1	Pin	
19	3841143	1	Keeper, Pin	
20	4240099	AR	Tie-Strap	
21	4811700	12	Washer M6	
22	4811900	1	Washer M8	
23	4812000	15	Washer M10	
24	4812100	1	Washer M12	
25	5251215	1	Bolt M12 x 35	
26	5261200	1	Nut, Flange M12 Grade 10.9	
27	8405006	6	Clamp	
29	2220767	AR	Fitting, Barbed 90	
29	8430007	AR	Fitting, Barbed	
30	1001135196	1	Pin	
31	1001139654	1	Decal - Ultra Low Sulfur Diesel	
32	1001142501	1	Fitting, Barbed 90	
33	1001154405	7.25 ft /2.21m	Hose	
34	1001155823	1	Coupling, Quick Disconnect 90	
35	1001165035	17.25 ft /5.26m	Hose	
36	1001167512	1	Bracket	
37	1001169823	1	Plate, Engine Lock	
38	1001171683	1	Cable, Battery (Red) (Battery Positive to Auxiliary Power Relay)	
39	1001171684	1	Cable, Battery (Black) (Battery Negative to Auxiliary Power Pump)	
40	1001181358	1	Harness, Fuel Pump (See Separate Breakdown in ELECTRICAL SECTION)	
41	1001191832	1	Nut, Rivet M8	
43	1001277600	1	Engine and Pump Sub-Assembly - Deutz D2.9L4 (Without Arctic Package) (See Separate Breakdown in this Section)	
44	1001247440	1	Pipe, Exhaust	
46	1001256879	1	Bracket	
47	0701020	1	Bolt M10 x 60	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1062255	1	Tie-Strap	
49	4812002	1	Washer M10	
51	1001156107	1	Holder	
52	1001220266	1	Spacer	
53	1320061	1	Clamp	

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FIGURE 3-14. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK
CA SPECS)



ART_1001277600

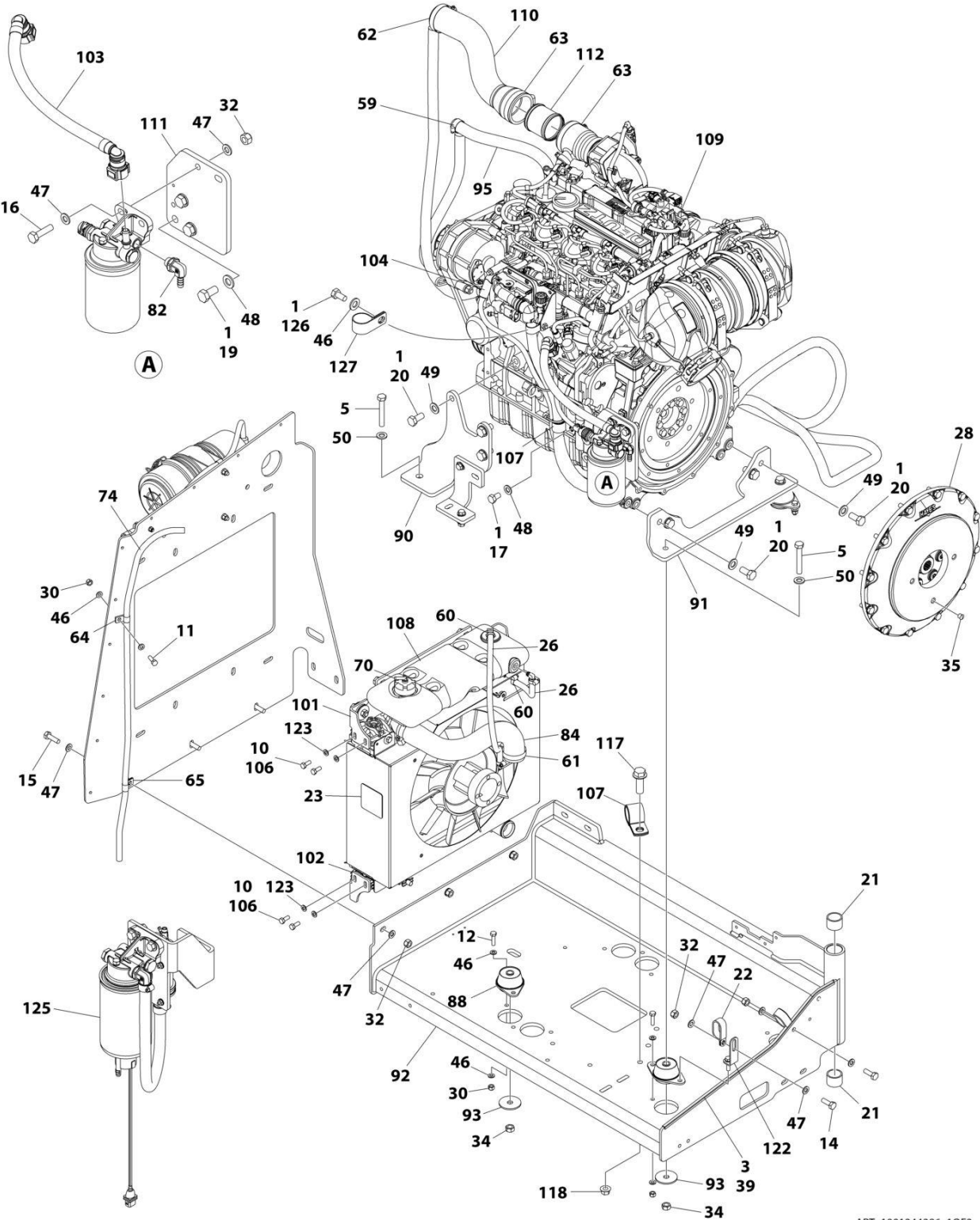
SECTION 3 - ENGINE

FIGURE 3-14. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277600	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ (STAGE V) ENGINE	B
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	3790152	1	O-Ring	
4	3931618	2	Capscrew 3/8 x 1-1/8	
5	4891600	2	Washer 3/8 Hardened	
6	4891800	2	Washer 1/2 Hardened	
7	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
8	1001171953	1	Seal	
9	1001171954	1	Seal	
10	1001214207	1	Gear Pump Assembly	
10	70006356	1	Seal Kit - 1001214207 Pump	
11	1001277594	1	Engine Assembly, Deutz (Stage V) Engine (See Separate Breakdown in this Section)	

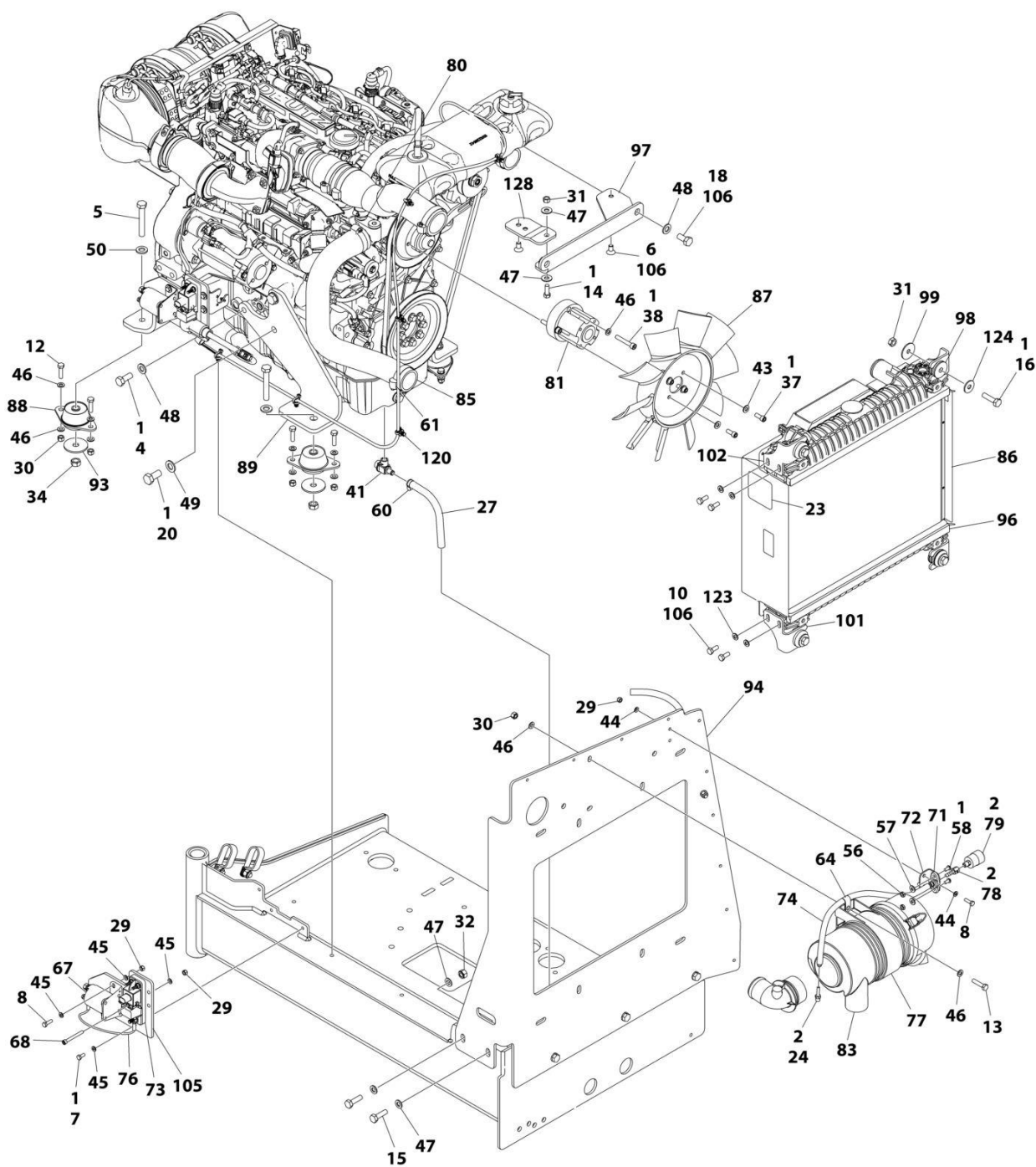
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FIGURE 3-15. ENGINE ASSEMBLY – DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)



ART_1001244286_10F2

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ART_1001244286_2OF2

SECTION 3 - ENGINE

FIGURE 3-15. ENGINE ASSEMBLY – DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244286	Ref	ENGINE ASSEMBLY, DEUTZ (STAGE V) ENGINE	K
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0711214	1	Bolt M12 x 30	
5	0711224	AR	Bolt M12 x 80	
6	0741606	2	Screw 3/8 x 3/4	
7	0760607	3	Bolt M6 x 14	
8	0760610	4	Bolt M6 x 20	
10	0760810	8	Bolt M8 x 20	
11	0760812	1	Bolt M8 x 25	
12	0760814	AR	Bolt M8 x 30	
13	0760815	2	Bolt M8 x 35	
14	0761014	3	Bolt M10 x 30	
15	0761015	5	Bolt M8 x 35	
16	0761016	6	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771212	3	Bolt M12 x 25	
20	0771414	9	Bolt M14 x 30	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2220315	1	Fitting, Barbed	
26	2720015	1.94 ft /0.59m	Hose	
27	2720340	0.66 ft/ 0.20m	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	5	Nut M6	
30	3290805	AR	Nut M8	
31	3291001	5	Nut M10	
32	3291005	9	Nut M10	
34	3331215	4	Nut M12 x 1.75	
35	3520054	1	Plug	
37	3931512	4	Capscrew, 5/16 x 3/4	
38	4031914	4	Bolt M8 x 50	
39	4060805	2.03 ft /0.62m	Flex-Trim	
40	4240099	AR	Tie-Strap (Not Shown)	
41	4640751	1	Valve, Oil Drain	
43	4711500	4	Washer 5/16	
44	4811700	4	Washer M6	
45	4811702	8	Washer M6	
46	4811900	AR	Washer M8	
47	4812000	20	Washer M10	
48	4812100	7	Washer M12	
49	4812200	AR	Washer M14	
50	5241200	AR	Washer M12	
56	8305401	2	Nut Jam	

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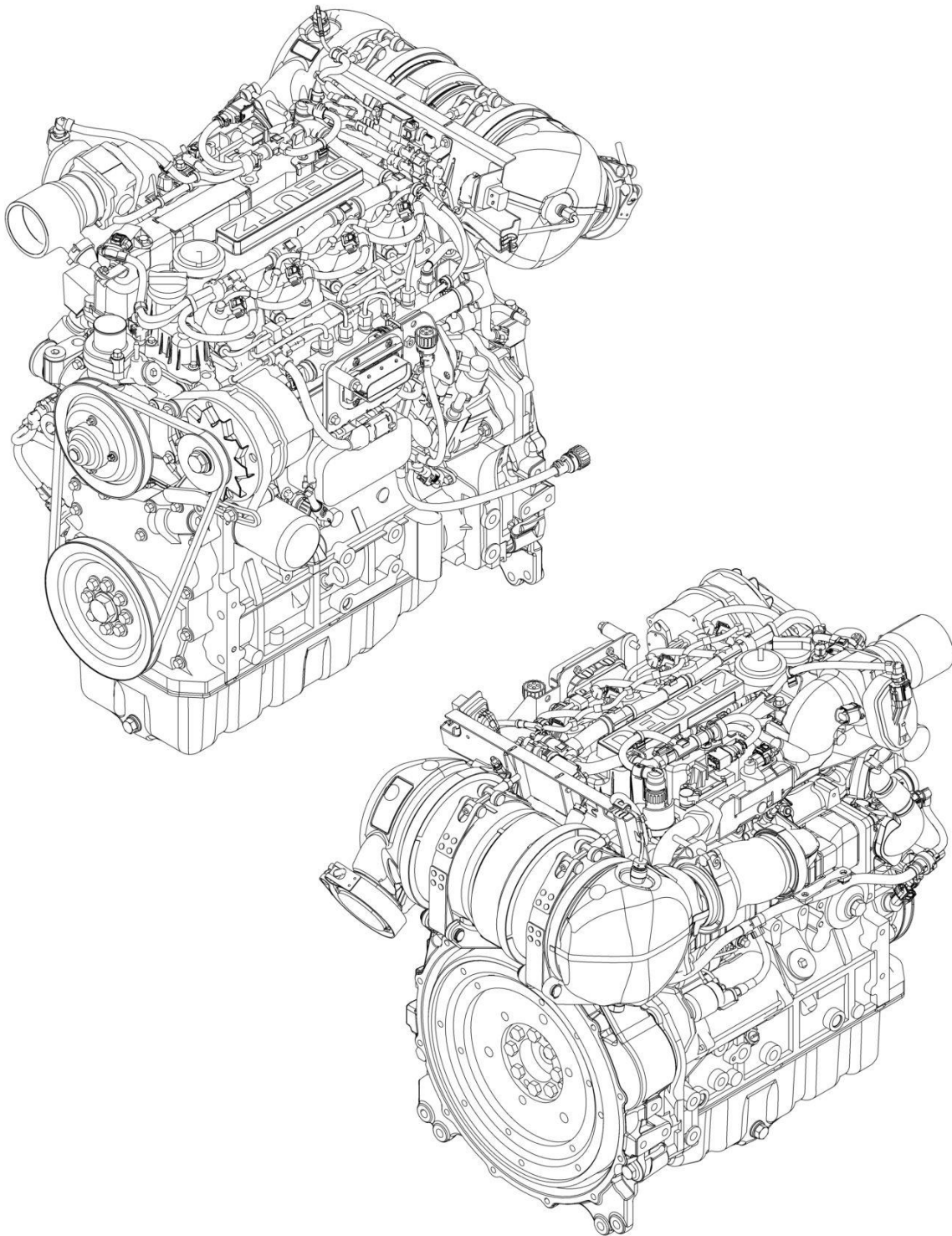
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
57	8307109	2	Washer 1/4	
58	8310548	2	Screw 1/4 x 1/2	
59	8405007	2	Clamp	
60	8405009	5	Clamp	
61	8405104	4	Clamp	
62	8405202	1	Clamp	
63	8405204	2	Clamp	
64	8406109	2	Clip	
65	8406110	1	Clip	
67	1001117308	1	Relay, 200Amp	
68	1001118878	1	Bolt M6 x 55	
70	1001136834	1	Cap, Tank	
71	1001138173	1	Support, Service Indicator	
72	1001138175	1	Bracket, Service Indicator	
73	1001138228	1	Relay, Power Module	
74	1001138248	5.09 ft /1.55m	Tube	
76	1001141304	1	Harness, Glow Plug	
77	1001141694	1	Clamp, Air Cleaner	
78	1001141995	1	Fitting, Barbed	
79	1001143390	1	Indicator	
80	1001143797	1	Fitting, Barbed	
81	1001144116	1	Spacer, Fan	
82	1001152489	1	Fitting, Barbed 90	
83	1001165388	1	Air Cleaner Assembly	
83	70003783	1	Element, Air Cleaner	
84	1001165405	1	Hose, Upper Radiator	
85	1001165406	1	Hose, Lower Radiator	
86	1001165722	1	Radiator	
87	1001165849	1	Fan	
88	1001166718	AR	Mount, Motor	
89	1001166921	1	Plate, Engine Mount	
90	1001166922	1	Plate, Engine Mount (Prior to PVC2107)	
91	1001166924	1	Plate, Engine Mount	
92	1001167520	1	Tray, Engine	
93	1001168018	AR	Washer, Special	
94	1001168026	1	Plate, Radiator Mounting	
95	1001168099	1	Hose	
96	1001168166	2	Seal	
97	1001260420	1	Bracket (note: may require P/N 1001260412)	
98	1001169054	4	Isolator	
99	1001169138	4	Washer, Snubbing	
101	1001169967	2	Bracket	
102	1001170035	2	Bracket	
103	1001177359	1	Hose	
104	1001178788	1	Cable, Alternator	
105	1001179903	1	Bracket	
106	1001180620	AR	Adhesive	
107	1001191620	2	Clamp	
108	1001230635	1	Tank, Surge (Includes Items 62, 70, & 73)	
109	1001232545	1	Engine, Deutz 2.9L4 (Stage V) (See Separate Breakdown in this Section)	

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

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FIGURE 3-16. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)



ART_1001232545

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FIGURE 3-16. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

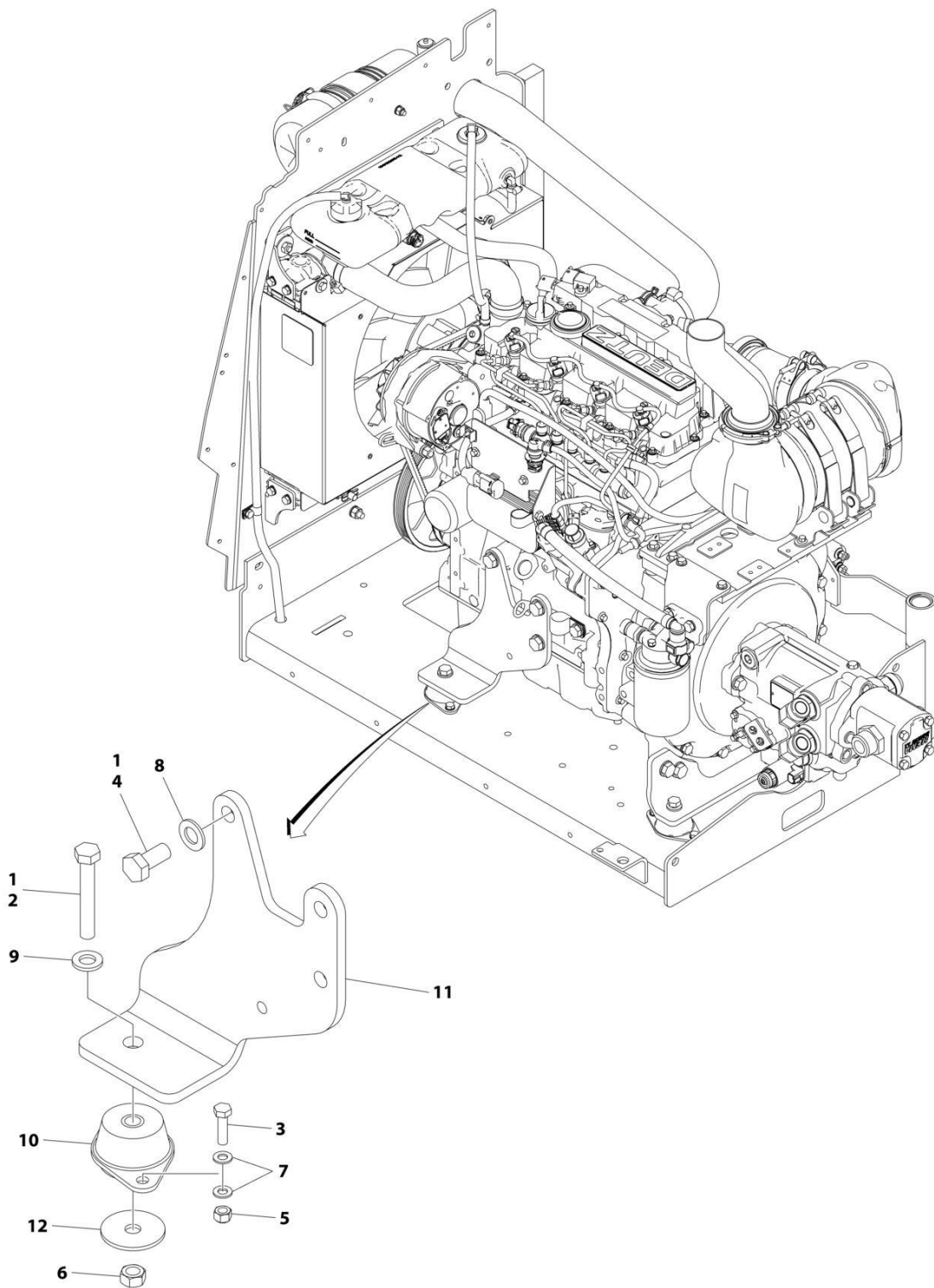
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232545	Ref	DEUTZ ENGINE COMPONENTS	H
		Ref	Note: For complete list of parts, contact JLG Parts Department	
		Ref	Air Intake System Components	
		Ref	Charge Air Pipe	
	70025168	1	Intake Pipe	
		Ref	Mixing Tube	
		Ref	Throttle Valve	
		Ref	Cooling System Components	
	70029797	1	Pump, Coolant (Includes Gasket & Seals)	
	70007603	1	Thermostat	
	70005184	1	O-Ring	
	70005931	1	Gasket	
	70025142	1	Cover	
		Ref	Electrical System Components	
	70029512	1	Module, ECU/ECM	
	70007784	1	Alternator	
	70031143	1	Module, Alternator Control	
	70029015	1	Fan, Alternator	
	70029402	1	Nut, Alternator Fan	
	70029403	1	Nut, Alternator Power Stud	
	70029404	1	Washer, Alternator Power Stud Spring	
	70031144	1	Starter (Includes Solenoid)	
	70025099	1	Bolt, Starter Mounting	
	70026210	1	Sender, Tacho-Generator (Speed) (On Rear of Block) (Includes Seal)	
	70024916	1	Sender, Tacho-Generator (Speed) (On Cover) (Includes Seal)	
	70024918	1	Sender, Temperature (Includes Seal) (On Air Intake Manifold)	
		Ref	Sensor, Pressure (Includes Seal) (On Air Intake Manifold)	
	70024504	1	Sensor, Pressure (Includes Seal) (On Fuel Filter & Side of Block)	
	70005504	1	Sensor, Pressure (Includes Seal) (On Exhaust Manifold)	
	70027405	1	Sensor, Temperature (Includes Seal) (On Exhaust Manifold)	
	70000345	4	Plug, Glow	
		Ref	Exhaust System Components	
		Ref	Valve, EGR	
	70025130	8	Bolt, Exhaust Manifold	
	70025164	1	Gasket, Exhaust Manifold	
		Ref	Outlet, Muffler	
		Ref	Muffler	
		Ref	Bracket, Muffler Mounting	
	70004504	1	Compensator, Exhaust	
		Ref	Fuel System Components	
		Ref	Pump, High Pressure	
	70004281	1	Injector (Includes Sealing washer, Clamp & O-Ring)	
	70006144	1	Pump, Fuel Supply (Includes Clamps)	
	70024961	1	Filter, Fuel (Pre-Filter Assembly) (Includes Head, Spin on filter, Sensor Cable & Seal)	
	70025153	1	Filter, Fuel Spin On	
	70024513	1	Sensor Cable (Includes Seal)	
	70025160	1	Filter, Fuel (Assembly) (Includes Head & Spin on Filter)	
	70025161	1	Filter, Fuel Spin On	

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

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FIGURE 3-17. MOTOR MOUNT INSTALLATION (STAGE V ENGINES WITHOUT GENERATOR)



ART_1001244024

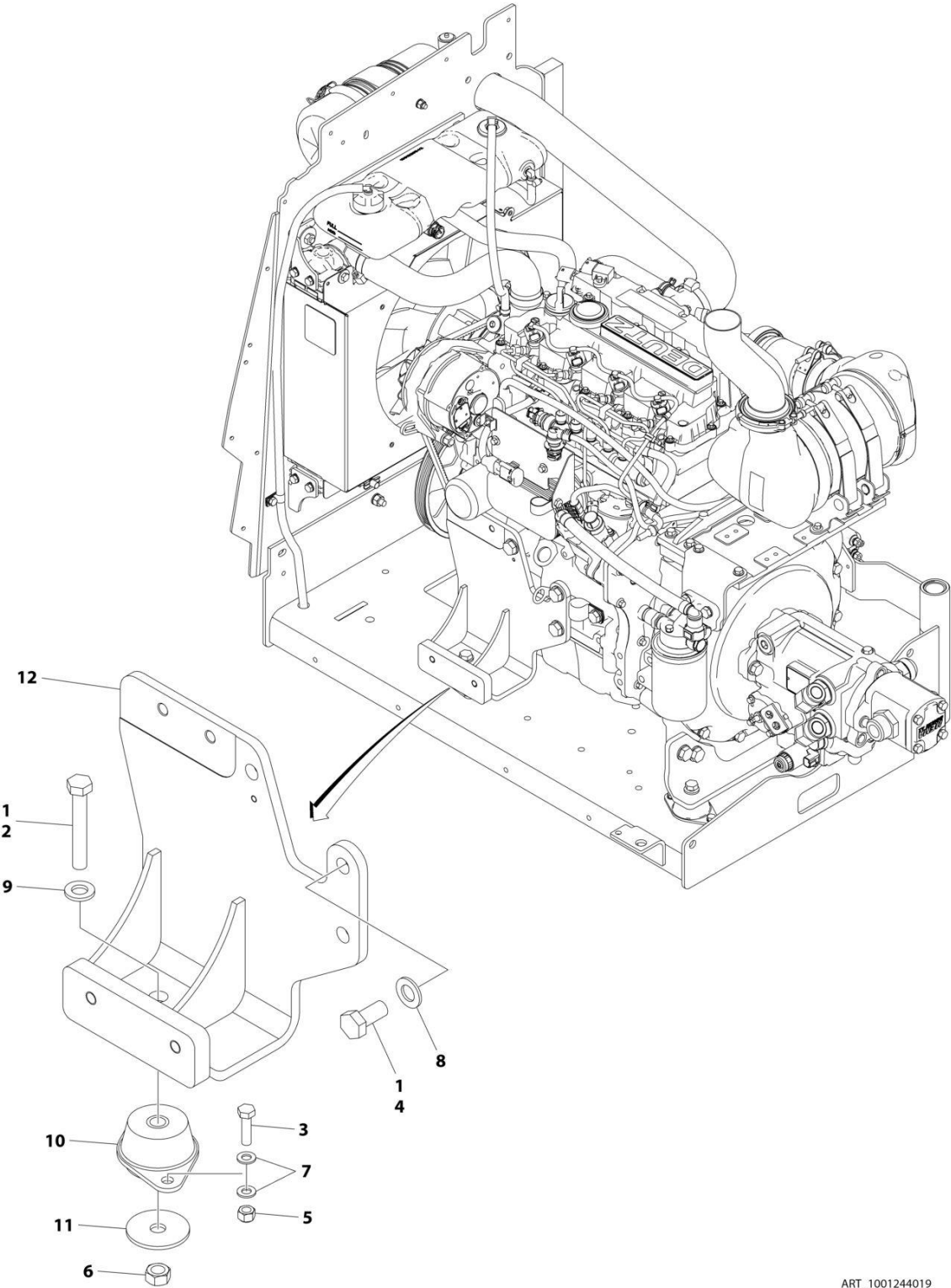
SECTION 3 - ENGINE

FIGURE 3-17. MOTOR MOUNT INSTALLATION (STAGE V ENGINES WITHOUT GENERATOR)

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

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FIGURE 3-18. MOTOR MOUNT INSTALLATION (STAGE V ENGINES WITH GENERATOR)



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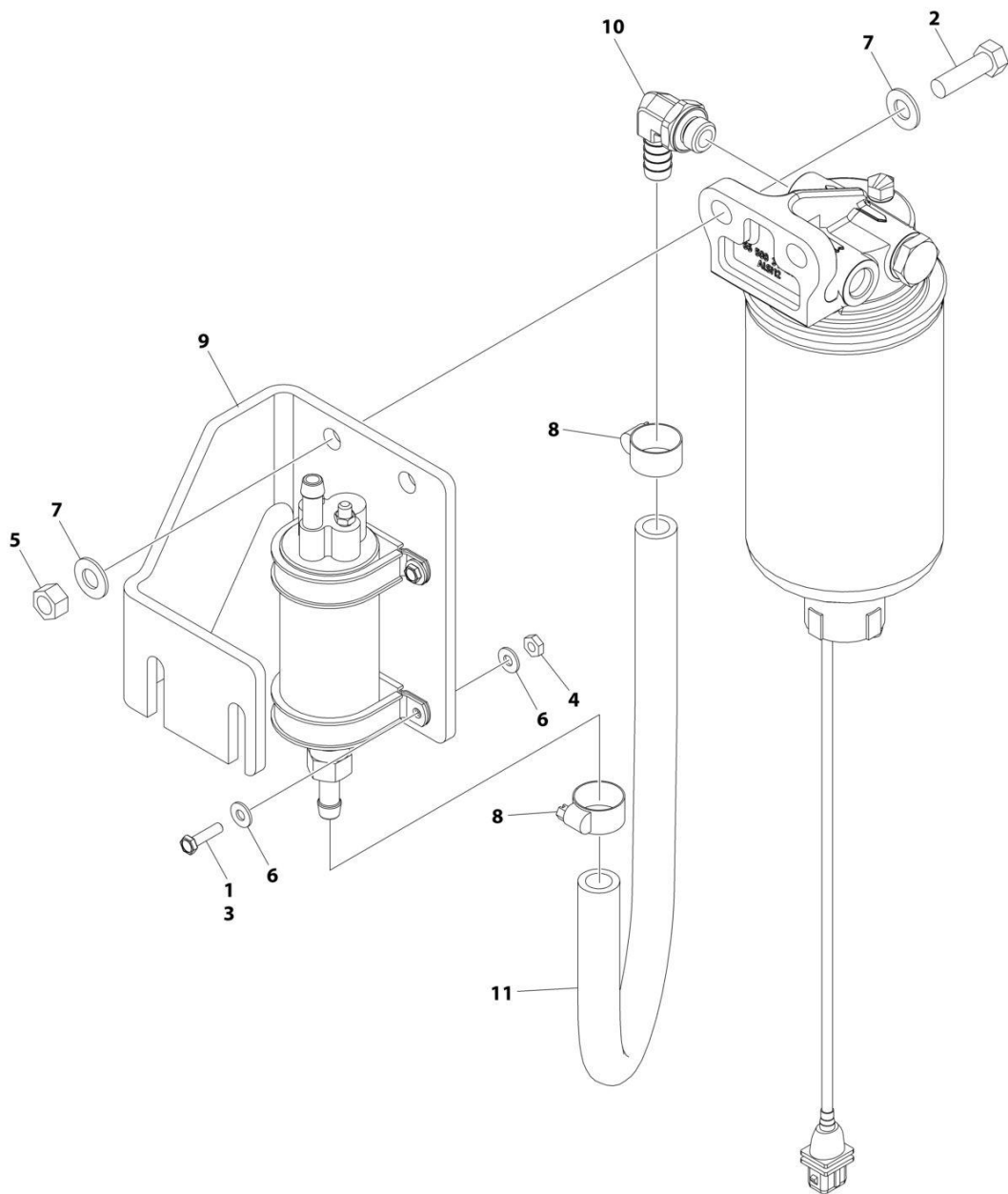
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FIGURE 3-18. MOTOR MOUNT INSTALLATION (STAGE V ENGINES WITH GENERATOR)

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

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FIGURE 3-19. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE) (STAGE V)



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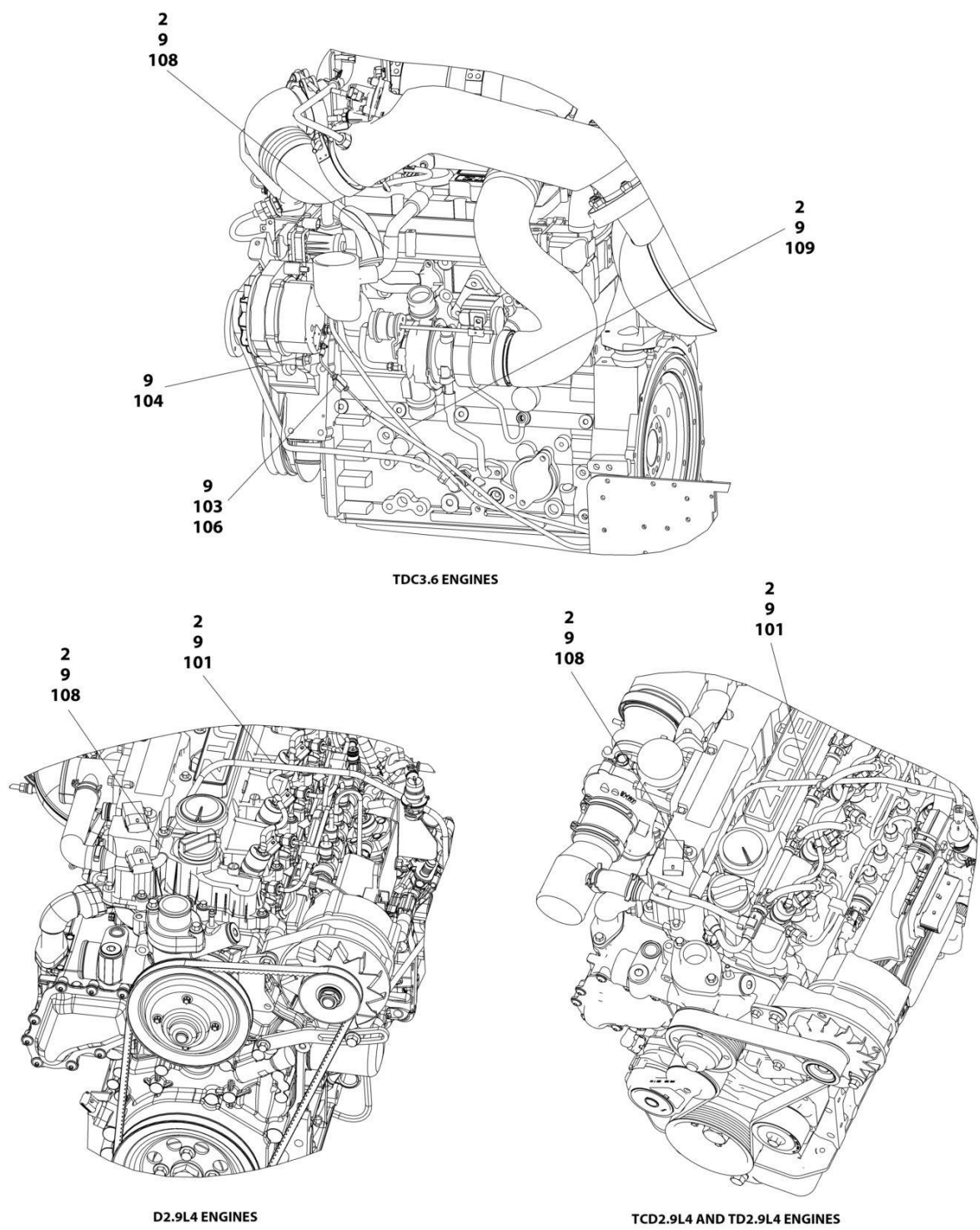
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FIGURE 3-19. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE) (STAGE V)

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

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FIGURE 3-20. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINES (STAGE V) (CE SPECS)



ART_1001233763

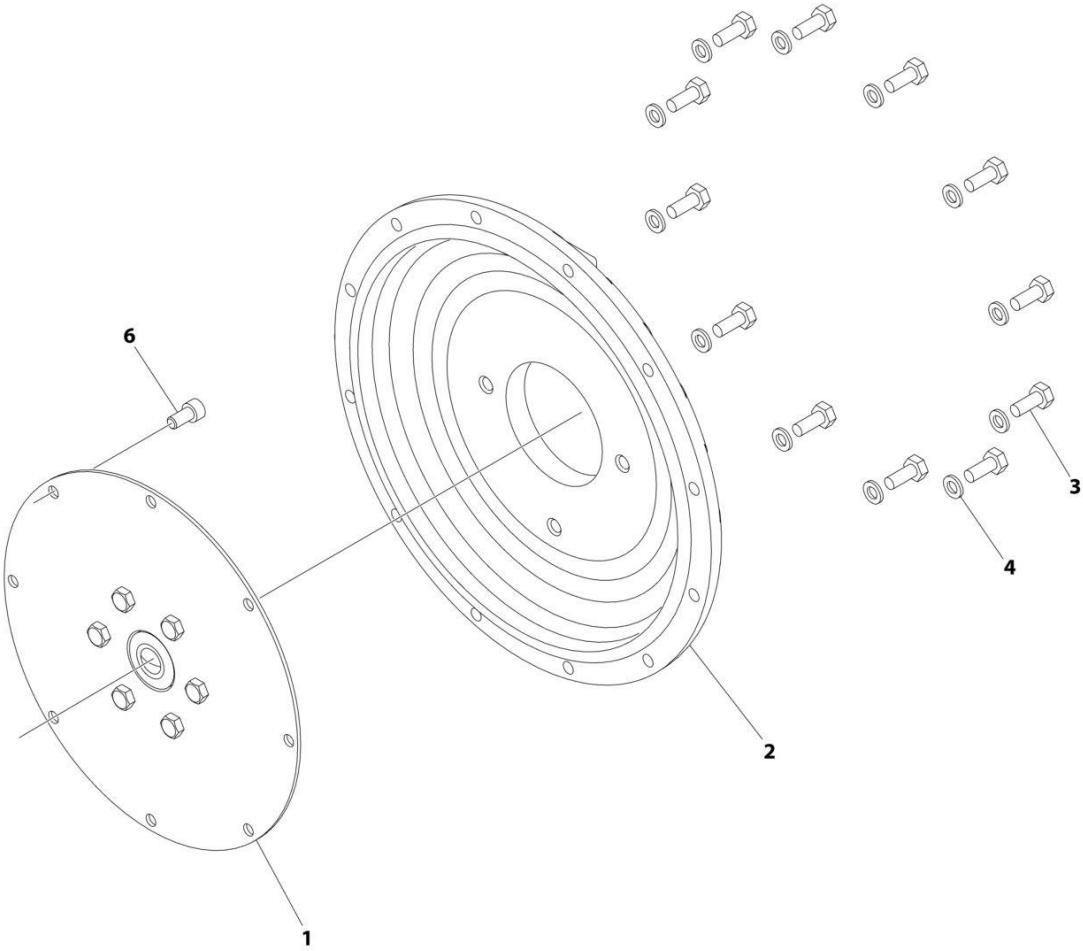
SECTION 3 - ENGINE

FIGURE 3-20. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINES (STAGE V) (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233763	Ref	BREATHER HEATER INSTALLATION - DEUTZ ENGINES	D
2	4240099	AR	Tie-Strap	C
9	1001243895	1	Breather Heater Harness	
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	

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FIGURE 3-21. PUMP COUPLING KIT – DEUTZ ENGINES



ART_2902065

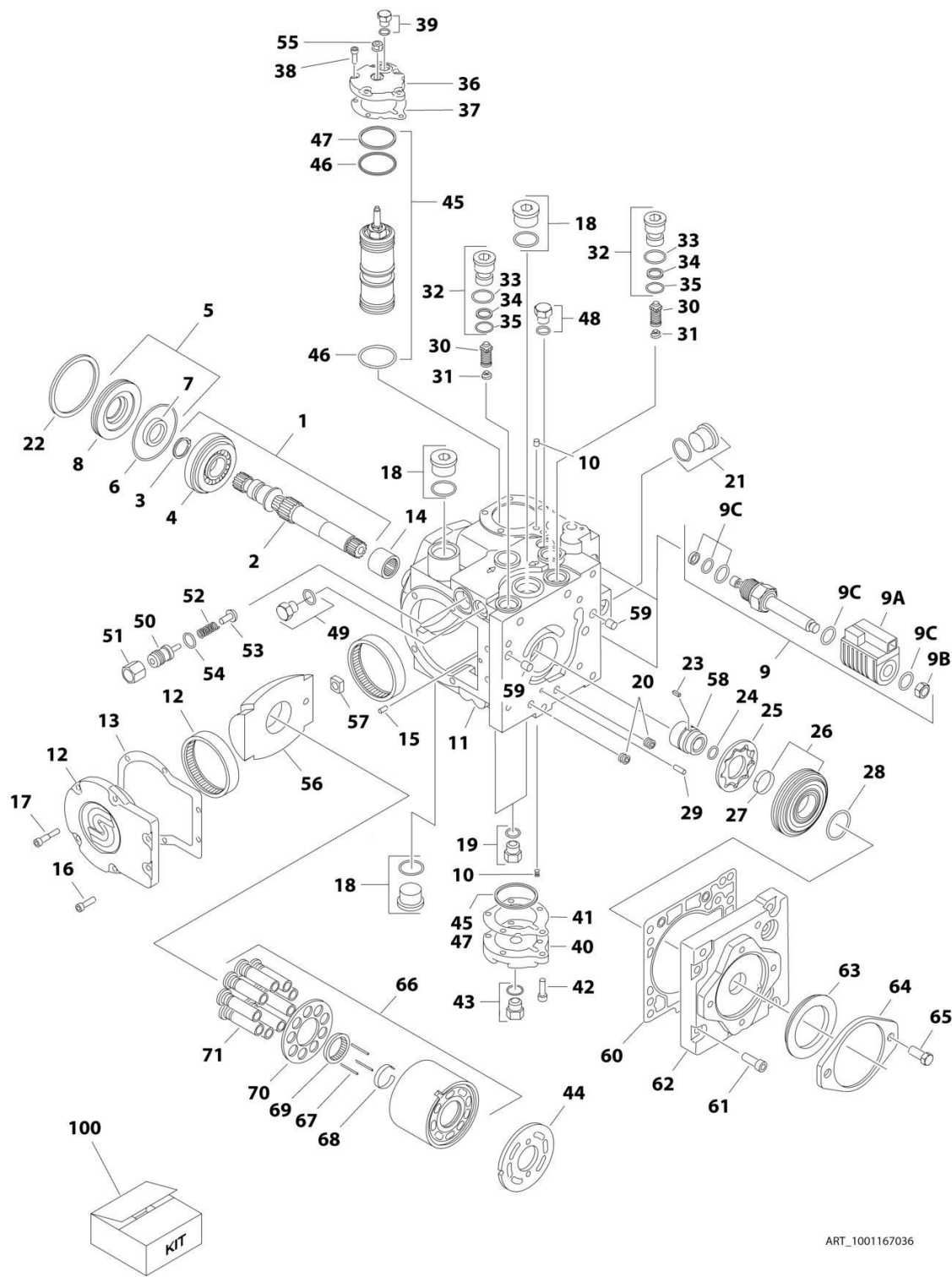
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FIGURE 3-21. PUMP COUPLING KIT – DEUTZ ENGINES

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)	

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FIGURE 3-22. PISTON PUMP ASSEMBLY



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FIGURE 3-22. PISTON PUMP ASSEMBLY

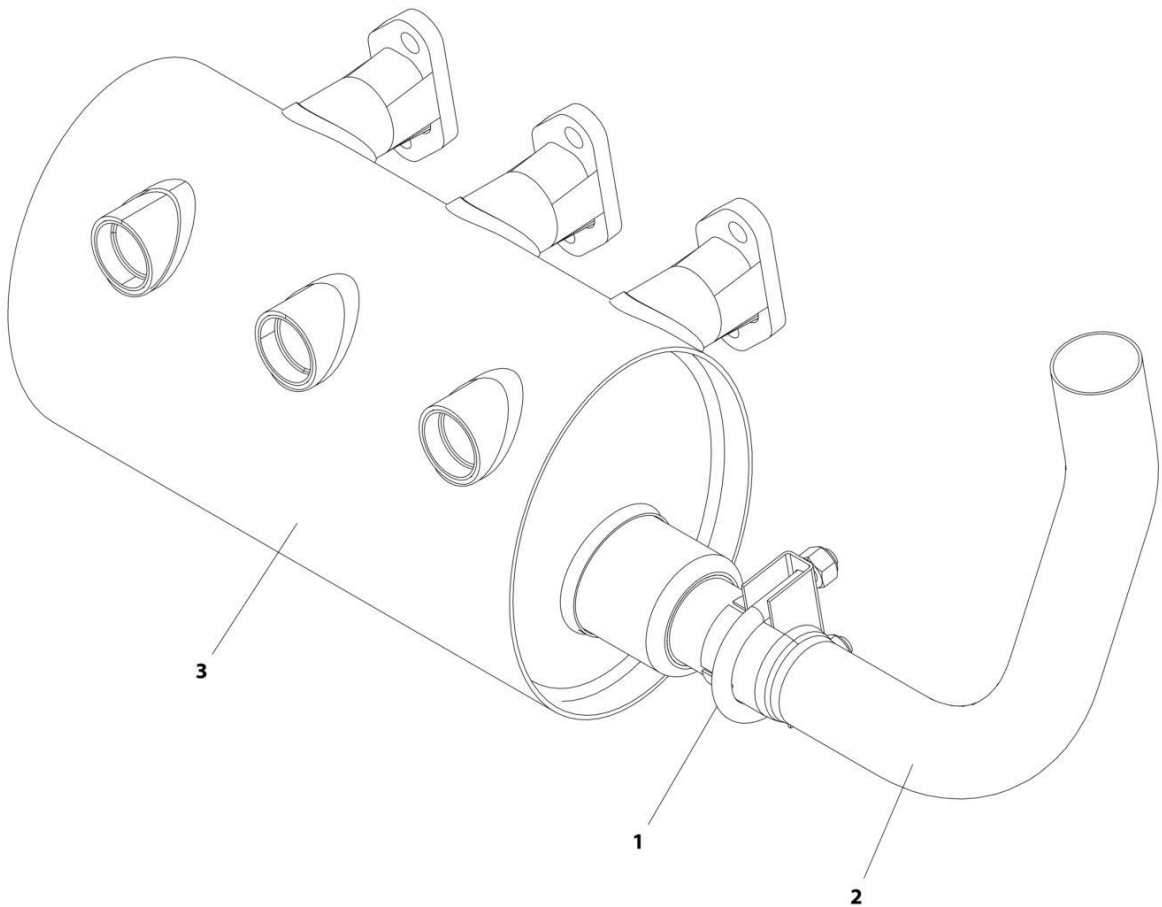
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167036	Ref	PISTON PUMP ASSEMBLY	B
1	7021240	1	Shaft Assembly (Includes Items 2-4)	
2	7021237	1	Shaft	
3	7021238	1	Ring, Retaining	
4	7021239	1	Bearing, Roller	
5	70004896	1	Shaft Seal Kit (Includes Items 6-8)	
6	7021241	1	O-Ring	
7	7021242	1	Seal, Lip	
8	7021243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

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

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FIGURE 3-23. SPARK ARRESTOR INSTALLATION - DEUTZ D2011 ENGINE



ART_1001174378

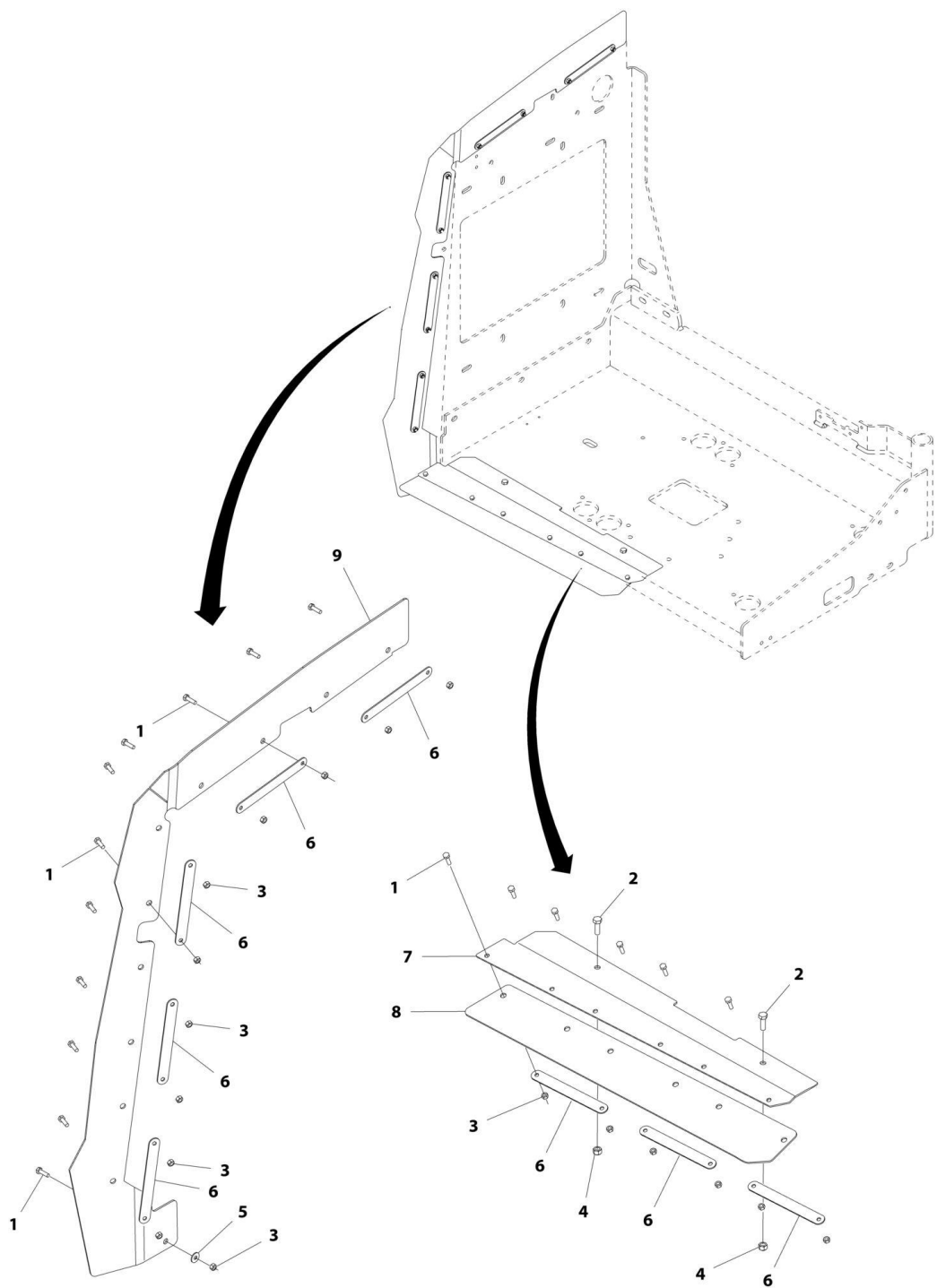
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FIGURE 3-23. SPARK ARRESTOR INSTALLATION - DEUTZ D2011 ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174378	Ref	SPARK ARRESTOR INSTALLATION - DEUTZ D2011 ENGINE	A
1	1320176	1	Clamp	
2	1001169525	1	Pipe, Exhaust	
3	1001170224	1	Muffler, Spark Arresting	

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FIGURE 3-24. ENGINE BAFLE INSTALLATION - WITH DEUTZ ENGINES



ART_1001172265

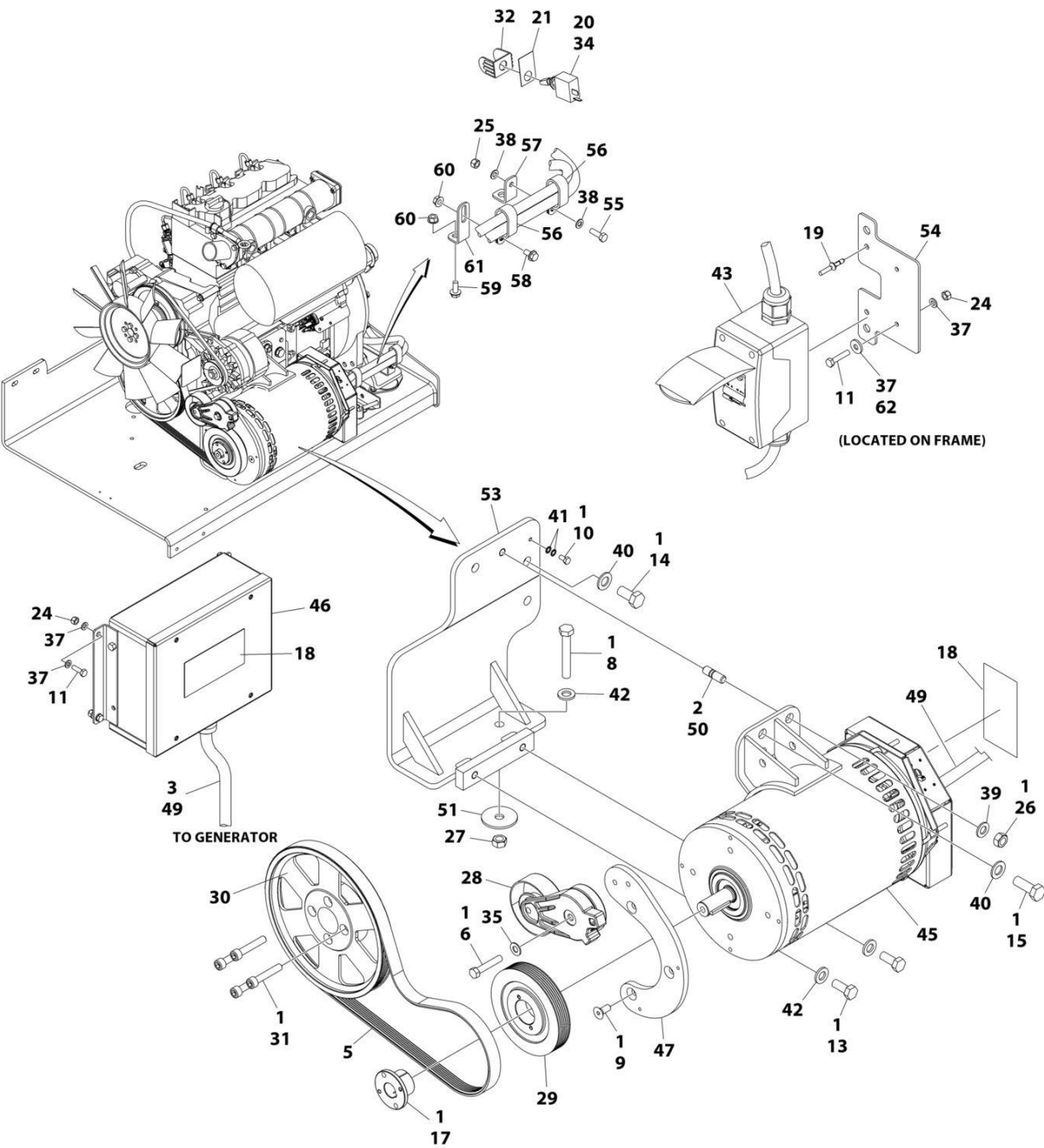
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FIGURE 3-24. ENGINE BAFFLE INSTALLATION - WITH DEUTZ ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172265	Ref	ENGINE BAFFLE INSTALLATION - WITH DEUTZ/GM ENGINES	B
1	0760610	17	Bolt M6 x 20	
2	0760812	2	Bolt M8 x 25	
3	3290605	17	Nut M6	
4	3290805	2	Nut M8	
5	4811702	1	Washer M6	
6	1001167164	8	Plate, Support	
7	1001170663	1	Bracket	
8	1001170664	1	Seal	
9	1001172264	1	Seal	

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FIGURE 3-25. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE)



ART_1001173984

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FIGURE 3-25. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE)

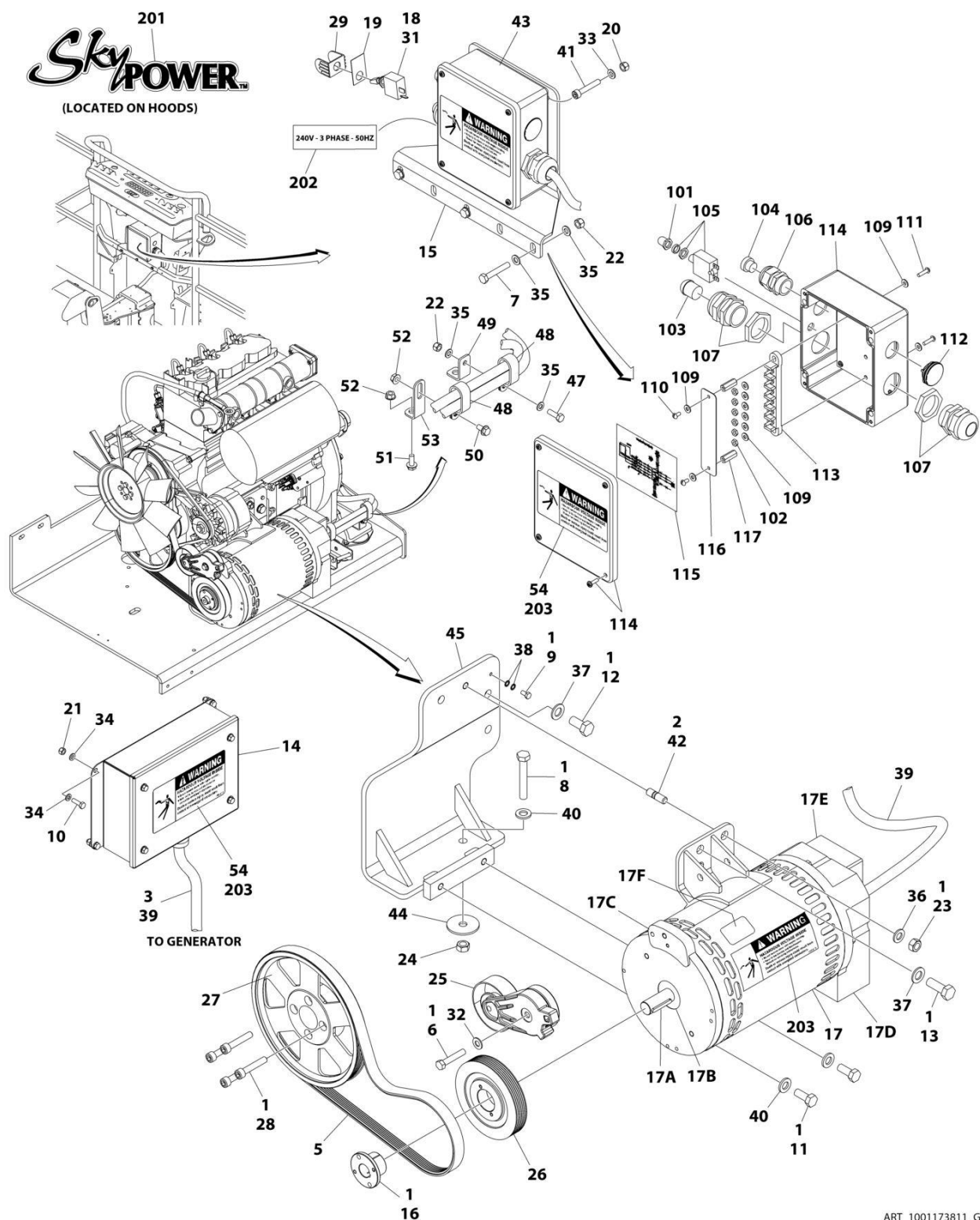
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173984	Ref	GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE)	J
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant (Not Shown)	
5	0480126	1	Belt	
6	0641616	1	Bolt 3/8 x 2	
8	0711224	1	Bolt M12 x 80 Grade 10.9	
9	0741607	3	Screw 3/8 x 7/8	
10	0760606	1	Bolt M6 x 12	
11	0760610	AR	Bolt M6 x 20	
11	0760614	AR	Bolt M6 x 30	
13	0761214	2	Bolt M12 x 30	
14	0771414	2	Bolt M14 x 30 Grade 10.9	
15	0771416	1	Bolt M14 x 40	
17	0962520	1	Bushing	
18	1705489	AR	Decal - Hazardous Voltage	
19	2080040	2	Fastener, Huck	
20	2820031	AR	Heat Shrink	
21	See Note	1	Nameplate (Note: Not Available for Purchase)	
24	3290605	6	Nut M6	
25	3290805	1	Nut M8	
26	3291201	1	Nut M12	
27	3331211	1	Nut M12	
28	3580317	1	Pulley	
29	3580319	1	Pulley	
30	3580320	1	Pulley	
31	4032015	4	Bolt M10 x 55	
32	4060802	1	Guard, Switch	
33	4240099	AR	Tie-Strap (Not Shown)	
34	4360336	1	Switch, Toggle	
35	4711600	1	Washer 3/8	
37	4811700	AR	Washer M6	
38	4811900	1	Washer M8	
39	4812100	1	Washer M12	
40	4812200	3	Washer M14	
41	4871700	2	Washer M6	
42	5241200	3	Washer M12 Hardened	
43	1001096070	1	Breaker Box Kit (50Hz) (See Separate Breakdown in ELECTRICAL Section)	
45	1001138565	1	Generator Assembly	
45	70003709	1	Ring, Retaining (External)	
45	70003708	1	Ring, Retaining (Internal)	
45	70001966	1	Bearing	
45	70004092	1	Endbell (Shaft End)	
45	70004171	1	Key	
45	70004676	1	Rotor	
45	70004677	1	Stator	
45	70004678	1	Endbell (Rear)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	70004679	1	Cover, Endbell (Rear)	
45	70004680	1	Enclosure, Wiring	
45	70004681	1	Cover, Enclosure	
45	70004682	1	Switch, Reset (Located on Enclosure Cover)	
45	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
46	1001138566	1	Box, Control	
46	70006552	1	Capacitor	
46	70006553	1	Relay	
47	1001139357	1	Mount, Tensioner	
49	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
50	1001196382	1	Stud	
51	1001168018	1	Washer, Snubbing	
53	1001173925	1	Mount	
54	1001174158	1	Mount	
55	0760812	1	Bolt M8 x 25	
56	1321716	2	Clamp	
57	1001148641	1	Bracket	
58	5250808	1	Bolt M8 x 16	
59	5250810	1	Bolt M8 x 20	
60	5260800	2	Nut M8	
61	1001223122	1	Support	
62	4811702	AR	Washer M6	

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FIGURE 3-26. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE)



ART_1001173811_G

SECTION 3 - ENGINE

FIGURE 3-26. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE)

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

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
20	3290505	4	Nut M5	B
21	3290605	4	Nut M6	
22	3290805	4	Nut M8	
23	3291201	1	Nut M12	
24	3331211	1	Nut M12	
25	3580317	1	Pulley	
26	3580319	1	Pulley	
27	3580320	1	Pulley	
28	4032015	4	Bolt M10 x 55	
29	4060802	1	Guard, Switch	
30	4240099	AR	Tie-Strap (Not Shown)	
31	4360336	1	Switch, Toggle	
32	4711600	1	Washer 3/8	
33	4811600	4	Washer M5	
34	4811700	8	Washer M6	
35	4811900	8	Washer M8	
36	4812100	1	Washer M12	
37	4812200	3	Washer M14	
38	4871700	2	Washer M6	
39	4922925	1	Harness, Generator	
39	4460225	1	Plug, Male 6 Position (Plugs into Generator)	
39	See Note	NSS	Socket, Female (Use with 4460225)	
39	See Note	NSS	Seal, Plug (Use with 4460225)	
39	See Note	NSS	Seal, Interface (Use with 4460225)	
40	5241200	3	Washer M12 Hardened	
41	1001104029	4	Screw M5 x 30	
42	1001196382	1	Stud	
43	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
44	1001168018	1	Washer, Snubbing	
45	1001173925	1	Mount	
46	1001174675	1	Wiring Diagram (Not Shown)	
46	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
47	0760812	1	Bolt M8 x 25	
48	1321716	2	Clamp	
49	1001148641	1	Bracket	
50	5250808	1	Bolt M8 x 16	
51	5250810	1	Bolt M8 x 20	
52	5260800	2	Nut M8	
53	1001223122	1	Support	
54	1705489	2	Decal - Hazardous Voltage	
	1001157525	Ref	JUNCTION BOX ASSEMBLY	
101	3300396	1	Cover, Fuse	
102	3311001	6	Nut #10	
103	3520189	1	Plug	
104	3520192	1	Plug	
105	4360070	1	Circuit Breaker - 15Amp	
106	4460425	1	Connector, Strain Relief	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Flatwasher #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	

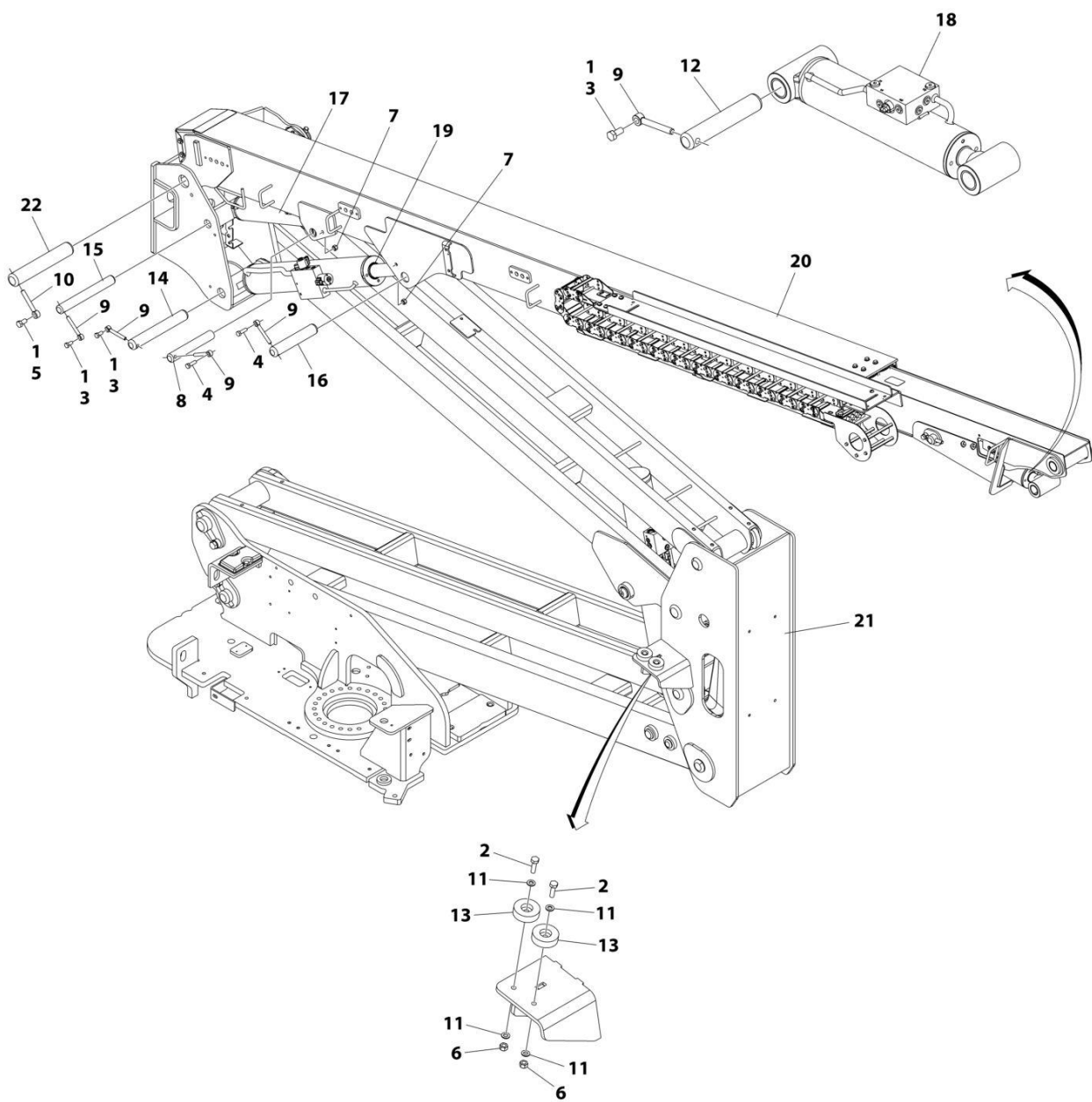
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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
112	1001152525	1	Plug	A
113	1001157520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase - 50Hz	
203	1705489	3	Decal - Hazardous Voltage	

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FIGURE 4-1. BOOMS AND CYLINDERS INSTALLATION



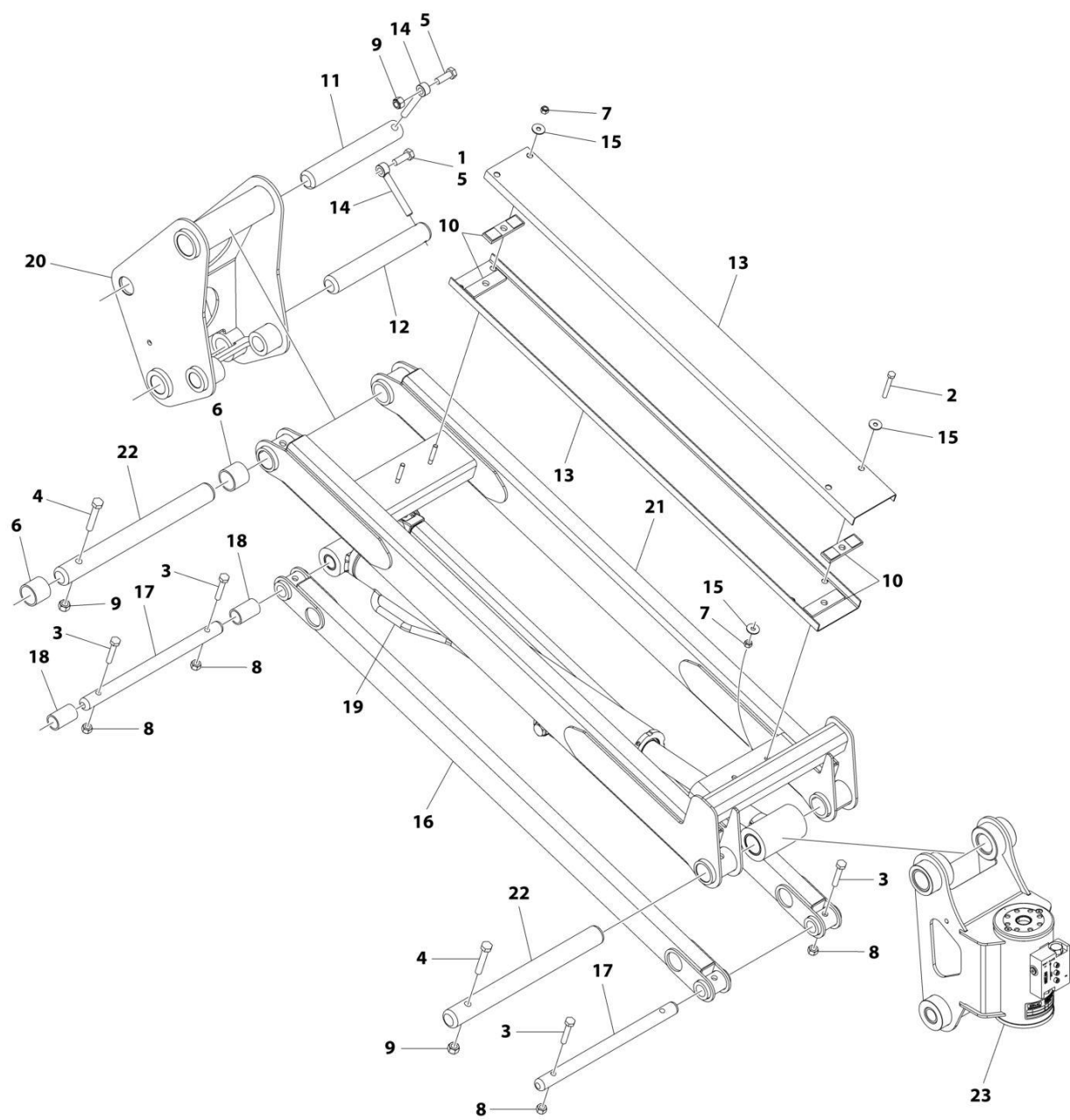
ART_1001256093

FIGURE 4-1. BOOMS AND CYLINDERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256093	Ref	BOOM INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0761015	2	Bolt M10 x 35	
3	0761212	3	Bolt M12 x 25	
4	0761216	2	Bolt M12 x 40	
5	0761614	1	Bolt M16 x 30	
6	3291005	2	Nut M10	
7	3291205	2	Nut M12	
8	3422793	1	Pin	
9	3841203	5	Keeper, Pin	
10	3841258	1	Keeper, Pin	
11	4812000	4	Washer M10	
12	1001109528	1	Pin	
13	1001112607	2	Block, Boom Rest	
14	1001116546	1	Pin	
15	1001169247	1	Pin	
16	1001237949	1	Pin	
17	1001255970	1	Master Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
18	1001255971	1	Level Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
19	1001255973	1	Upper Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
20	1001256095	1	Main Boom Assembly (See Separate Breakdown in this Section)	
21	1001256096	1	Tower Boom Assembly (See Separate Breakdown in this Section)	
22	1001256910	1	Pin	

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FIGURE 4-2. JIB INSTALLATION



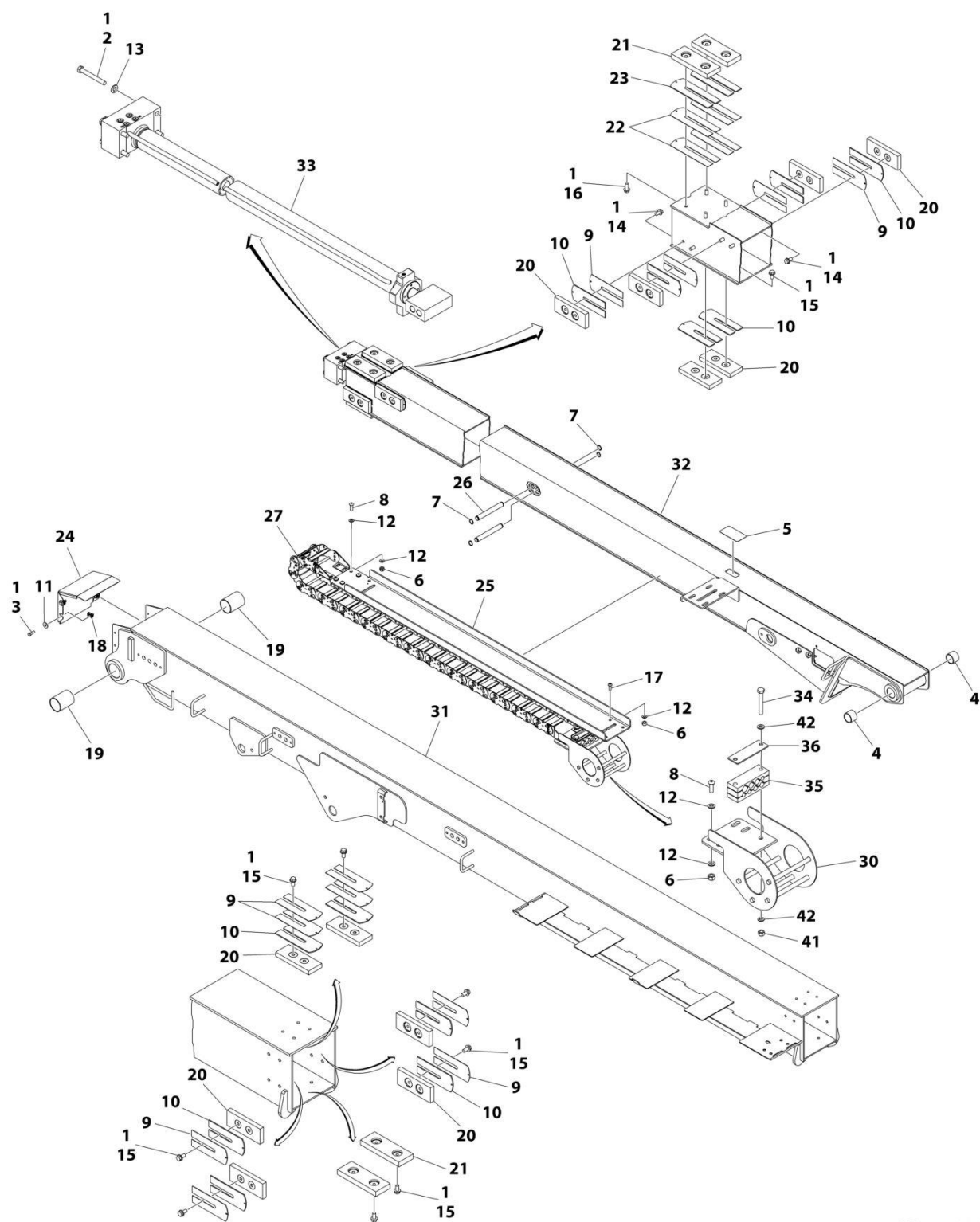
ART_1001259058

FIGURE 4-2. JIB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259058	Ref	JIB INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0700820	2	Bolt M8 x 60	
3	0701019	4	Bolt M10 x 55	
4	0701222	2	Bolt M12 x 70	
5	0761215	2	Bolt M12 x 35	
6	0962272	2	Bearing	
7	3290805	4	Nut M8	
8	3291005	4	Nut M10	
9	3291205	3	Nut M12	
10	3340860	4	Pad, Rubber	
11	3422793	1	Pin	
12	3422814	1	Pin	
13	3572551	2	Channel	
14	3841203	2	Keeper, Pin	
15	4811902	6	Washer M8	
16	1001259196	2	Link (Lower)	
17	1001182064	2	Pin	
18	1001182695	2	Bearing, Composite	
19	1001255969	1	Jib Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
20	1001255991	1	Pivot	
21	1001256002	1	Link (Upper)	
22	1001256790	2	Pin	
23	1001270730	1	Rotator Assembly (See Separate Breakdown in this Section)	

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FIGURE 4-3. MAIN BOOM ASSEMBLY



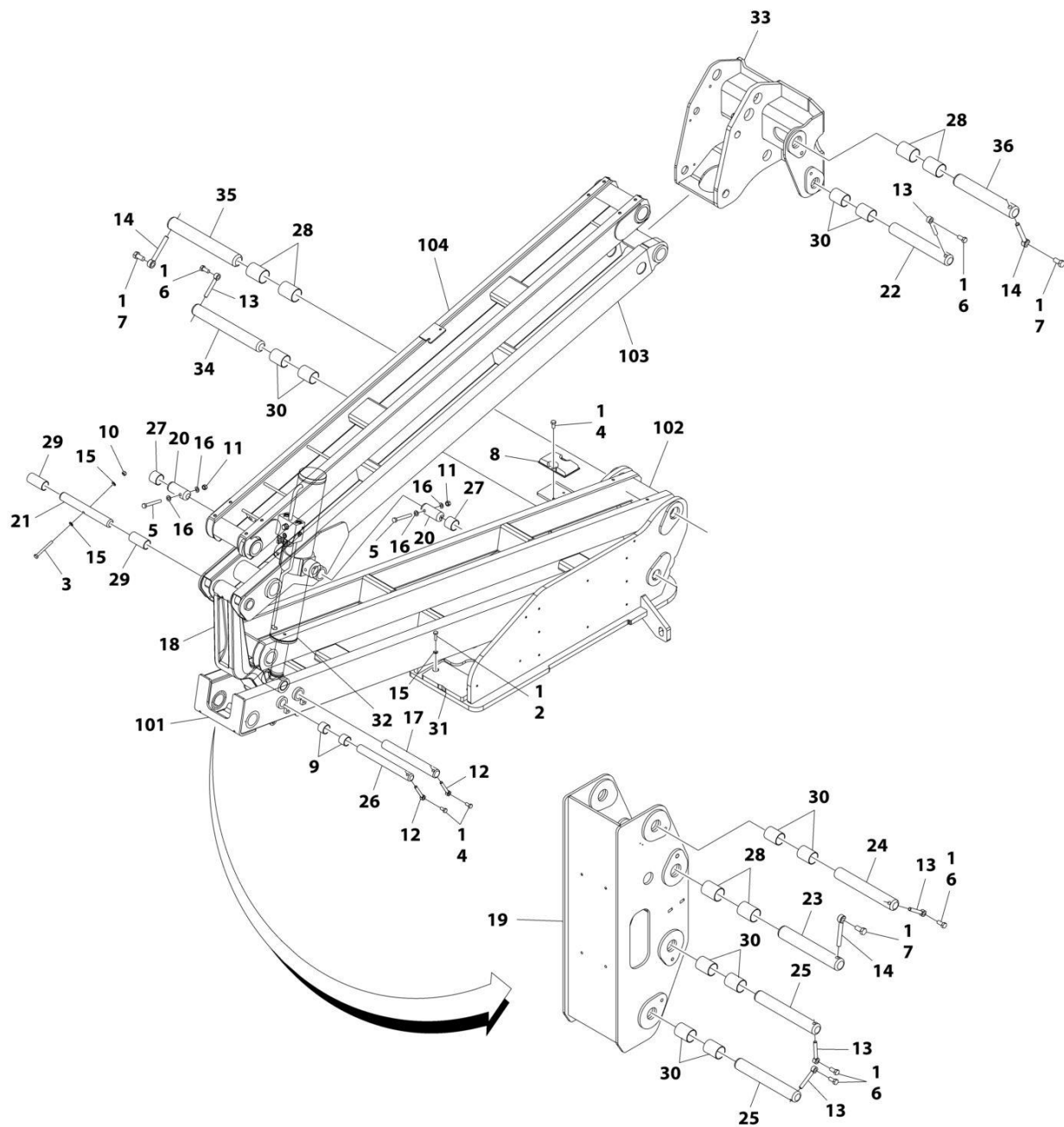
ART_1001256095

FIGURE 4-3. MAIN BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256095	Ref	MAIN BOOM ASSEMBLY	E
1	0100011	AR	Compound, Locking	
2	0711227	4	Bolt M12 x 100	
3	0760812	4	Bolt M8 x 25	
4	0961948	2	Bearing	
5	1670836	1	Cover	
6	3291005	10	Nut M10	
7	3760351	4	Ring, Retaining	
8	3900351	8	Bolt M10 x 30	
9	4070897	12	Shim	
10	4070898	12	Shim	
11	4811902	4	Washer M8	
12	4812000	18	Washer M10	
13	5241200	4	Washer M12	
14	5251009	8	Bolt M10 x 18	
15	5251010	20	Bolt M10 x 20	
16	5251012	4	Bolt M10 x 25	
17	8310668	2	Bolt M10 x 25	
18	1001118274	4	Nut M8	
19	1001169302	2	Bearing	
20	1001169304	12	Pad, Wear	
21	1001169305	4	Pad, Wear	
22	1001169402	4	Shim	
23	1001169403	2	Shim	
24	1001170226	1	Cover, Upper Boom	
25	1001170334	1	Push Tube, Hose Cover	
26	1001180541	2	Pin	
27	1001224894	1	Power Track	
30	1001255329	1	Mount, Weldment Carrier Tube	
31	1001256125	1	Boom, Base Weldment	
32	1001256126	1	Boom, Fly Weldment	
33	1001266711	1	Telescopic Cylinder (See Separate Breakdown in CYLINDER Section)	
34	0700822	2	Bolt M8 x 70	
35	1001273302	1	Clamp	
36	1001273303	1	Plate	
41	3290805	2	Nut, Lock M8	
42	4811900	4	Washer M8	

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FIGURE 4-4. TOWER BOOM ASSEMBLY



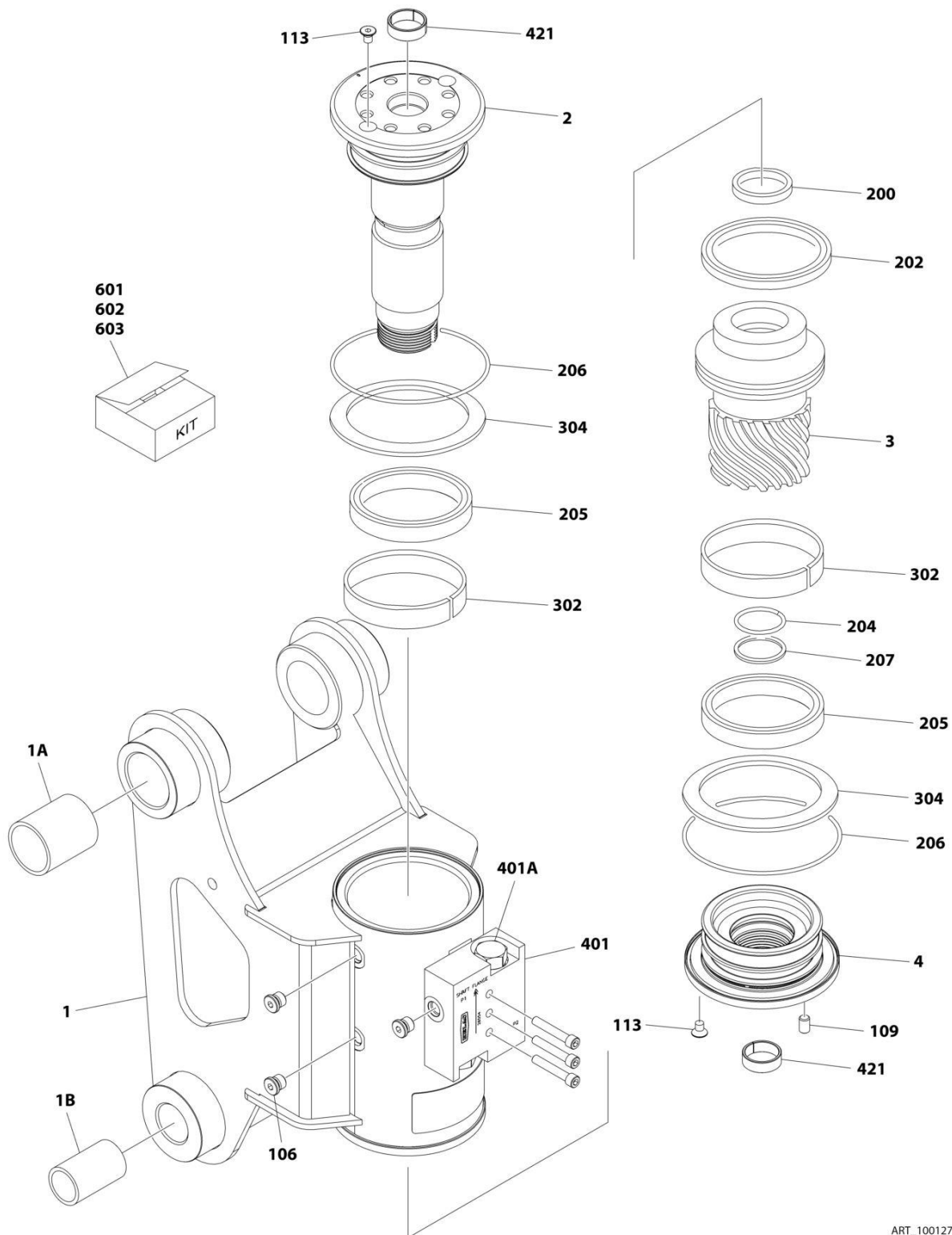
ART_1001256096

FIGURE 4-4. TOWER BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256096	Ref	TOWER BOOM ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0701015	2	Bolt M10 x 35	
3	0701027	1	Bolt M10 x 100	
4	0761212	4	Bolt M12 x 25	
5	0761227	2	Bolt M12 x 100	
6	0761615	5	Bolt M16 x 35	
7	0762016	3	Bolt M20 x 40	
8	0940048	1	Bumper	
9	0961948	2	Bearing	
10	3291005	1	Nut M10	
11	3291205	2	Nut M12	
12	3841203	2	Keeper, Pin	
13	3841258	5	Keeper, Pin	
14	3841287	3	Keeper, Pin	
15	4812000	4	Washer M10	
16	4812100	4	Washer M12	
17	1001155093	1	Pin	
18	1001166096	1	Link, Timing	
19	1001166853	1	Upright, Lower	
20	1001169240	2	Pin	
21	1001169241	1	Pin	
22	1001169242	1	Pin	
23	1001169295	1	Pin	
24	1001169296	1	Pin	
25	1001169297	2	Pin	
26	1001169298	1	Pin	
27	1001169299	2	Bearing	
28	1001169300	6	Bearing	
29	1001169301	2	Bearing	
30	1001169302	10	Bearing	
31	1001180056	1	Pad, Wear	
32	1001255968	1	Tower Lift Cylinder (See Separate Breakdown in CYLINDER Section)	
33	1001256098	1	Upright, Upper	
34	1001256911	1	Pin	
35	1001258264	1	Pin	
36	1001258265	1	Pin	
100	1001256099	1	Tower Boom Kit (Not Shown - Includes Items 101-104)	
101	1001256100	1	Boom, Lower Tower	
102	1001256101	1	Boom, Lower Link	
103	1001256102	1	Boom, Upper Tower	
104	1001256103	1	Boom, Upper Link	

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FIGURE 4-5. ROTATOR ASSEMBLY



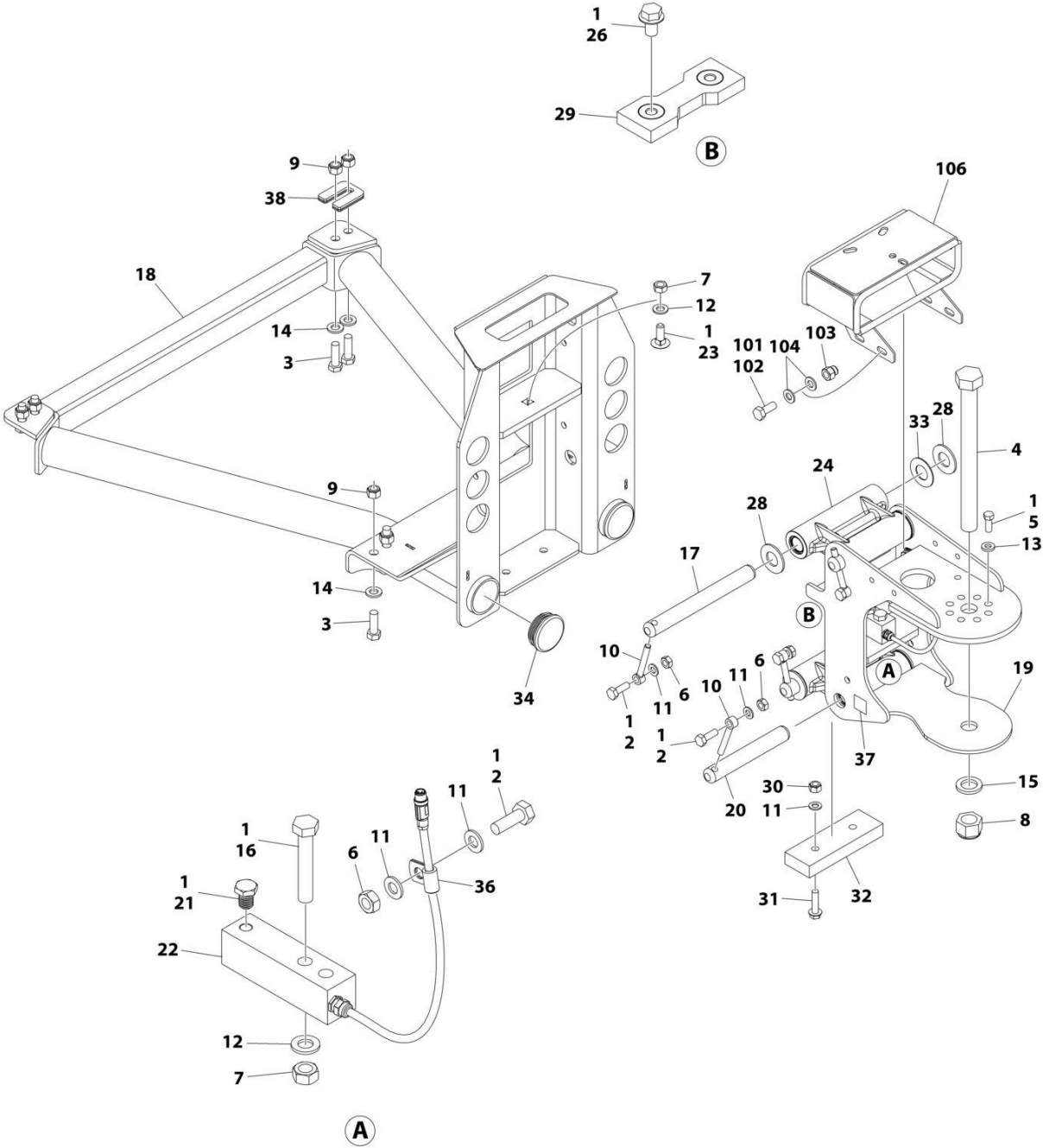
ART_1001270730

FIGURE 4-5. ROTATOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270730	Ref	ROTATOR ASSEMBLY	A
1	See Note	NSS	Housing (Note: Purchase Complete Assembly)	
1A	1001182695	2	Bushing	
1B	0962348	2	Bushing	
2	7017162	1	Shaft	
3	7017163	1	Piston	
4	7017164	1	Cap, End	
106	See Note	NSS	Plug (Note: Purchase P/N 7017142)	
109	See Note	NSS	Pin (Note: Purchase P/N 7017142)	
113	See Note	NSS	Screw (Note: Purchase P/N 7017142)	
200	See Note	NSS	Seal, Piston (Note: Purchase P/N 70000342)	
202	See Note	NSS	Seal, Piston (Note: Purchase P/N 70000342)	
204	See Note	NSS	O-Ring (Note: Use P/N 70000342)	
205	See Note	NSS	Seal, Shaft (Note: Purchase P/N 70000342)	
206	See Note	NSS	O-Ring (Note: Use P/N 70000342)	
207	See Note	NSS	Ring, Back-up (Note: Purchase P/N 70000342)	
302	See Note	NSS	Bearing, Shaft (Note: Purchase P/N 7017159)	
304	See Note	NSS	Washer, Thrust (Note: Purchase P/N 7017159)	
401	7017172	1	Counterbalance Valve Assembly	
401A	7017192	2	Valve Cartridge (No Seal Kit Available)	
421	7017195	2	Bushing	
601	70000342	NSS	Seal Kit (Includes Items 200-207)	
602	7017159	NSS	Bearing Kit (Includes Items 302 & 304)	
603	7017142	NSS	Hardware Kit (Includes Items 106-113)	

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FIGURE 4-6. PLATFORM SUPPORT INSTALLATION



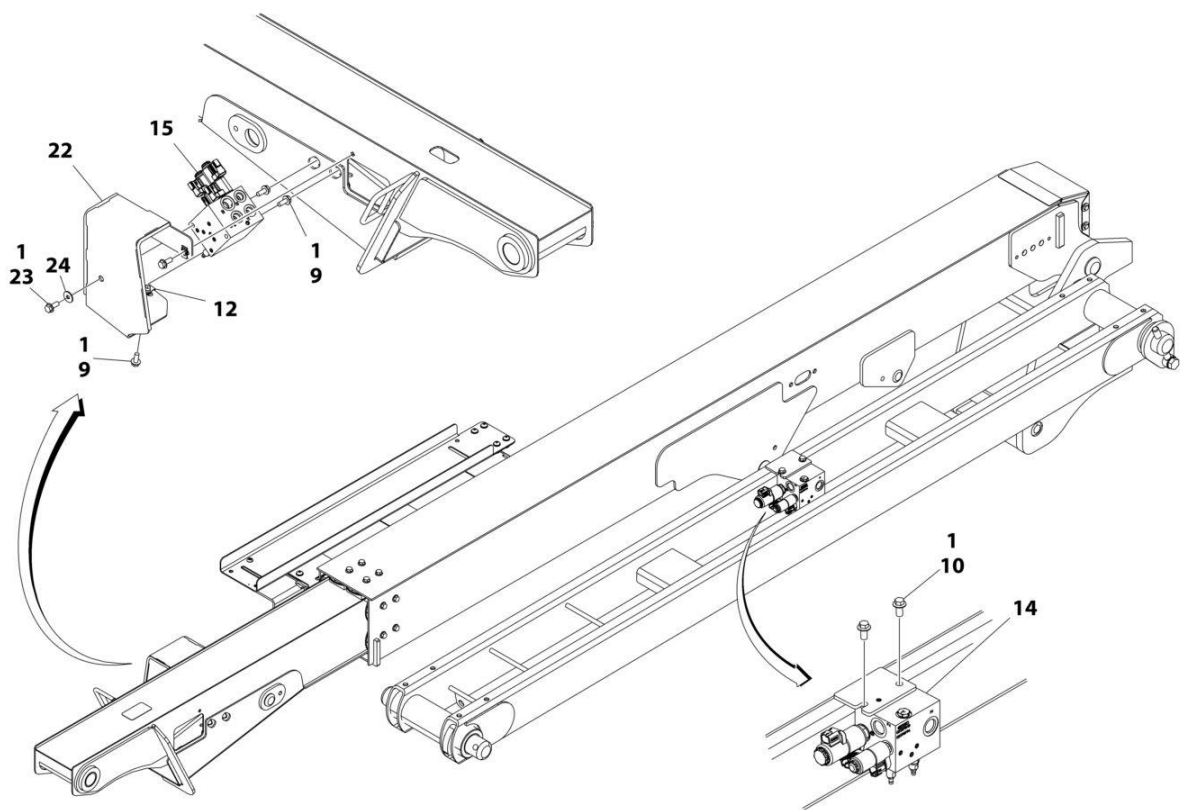
ART_1001167596_N

FIGURE 4-6. PLATFORM SUPPORT INSTALLATION

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

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FIGURE 4-7. VALVES INSTALLATION - BOOM MOUNTED



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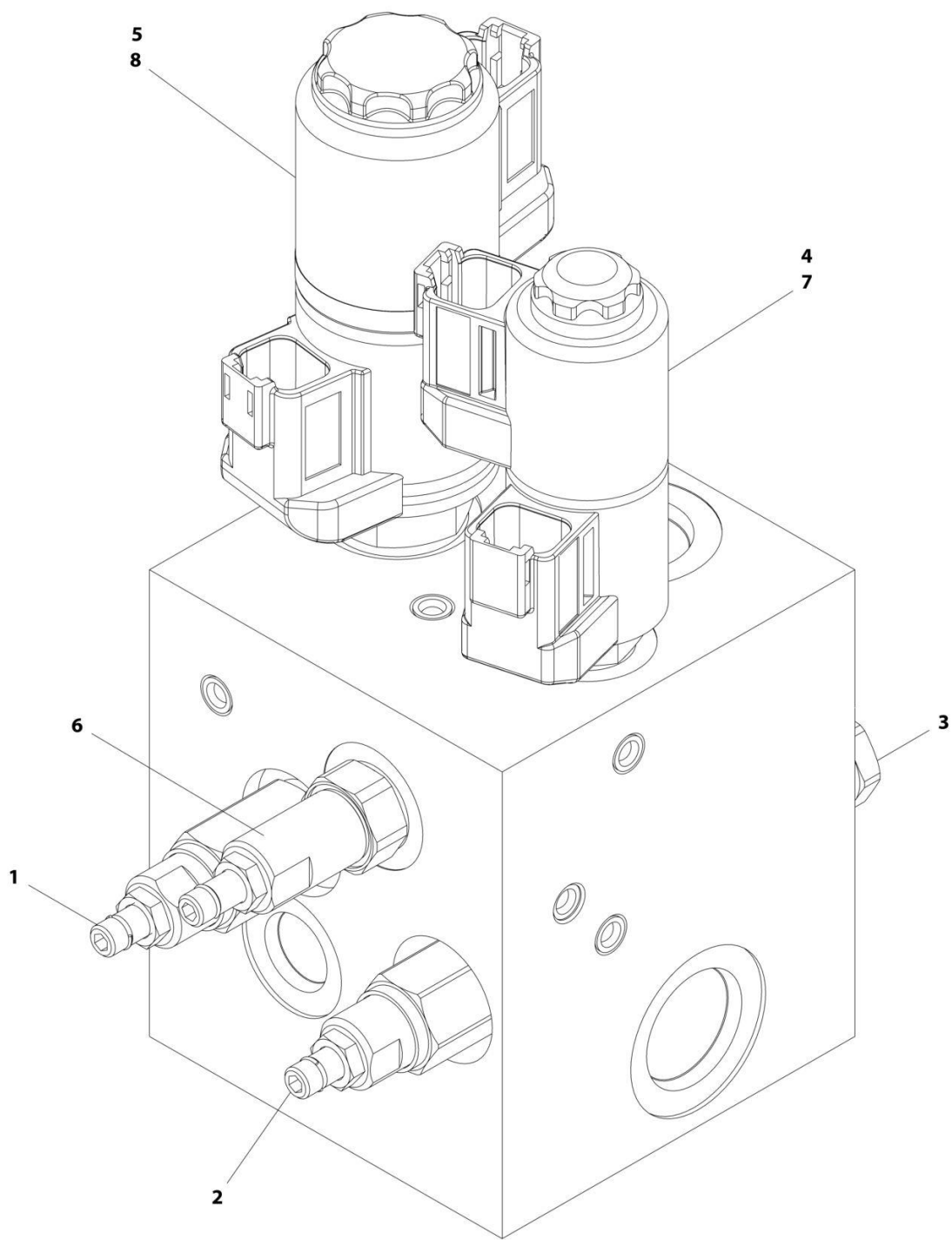
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FIGURE 4-7. VALVES INSTALLATION - BOOM MOUNTED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001271795	Ref	4WD VALVES INSTALLATION - BOOM MOUNTED	B
1	0100011	AR	Compound, Locking	
9	5250810	4	Bolt M8 x 20 Class 10.9	
10	5251010	15	Bolt M10 x 25 Class 10.9	
12	1001118274	2	Nut, Tinnerman M8	
14	1001162535	1	Upright Valve Assembly (See Separate Breakdown in this Section)	
15	1001162536	1	Boom Valve Assembly (See Separate Breakdown in this Section)	
22	1001265186	1	Shield, Fly Boom Valve	
23	0770810	1	Bolt M8 x 20 Class 10.9	
24	4811902	1	Washer M8	

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FIGURE 4-8. UPRIGHT VALVE ASSEMBLY



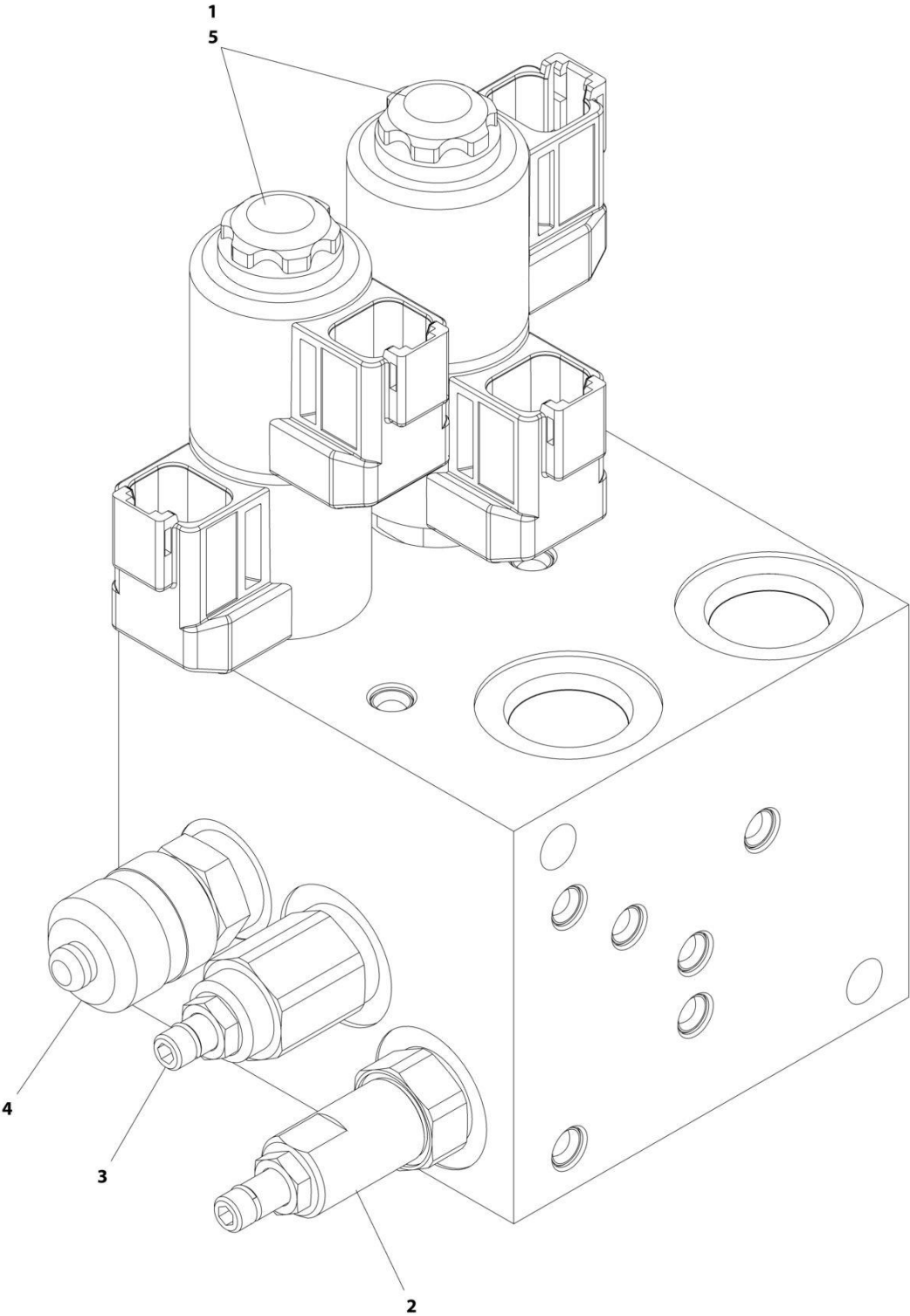
ART_1001162535

FIGURE 4-8. UPRIGHT VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162535	Ref	UPRIGHT VALVE ASSEMBLY	D
1	70004864	1	Cartridge, Valve	
1	70004875	1	Seal Kit - 70004864 Valve	
2	70004865	1	Cartridge, Valve	
2	70004875	1	Seal Kit - 70004865 Valve	
3	70004866	1	Cartridge, Relief Valve	
3	70004867	1	Seal Kit - 70004866 Valve	
4	70004868	1	Cartridge, Solenoid Valve Less Coil	
4	70004869	1	Seal Kit - 70004868 Valve	
5	7027625	1	Cartridge, Solenoid Valve Less Coil	
5	70000100	1	Seal Kit - 7027625 Valve	
6	70006660	1	Cartridge, Valve	
6	70004867	1	Seal Kit - 70006660 Valve	
7	70004871	2	Coil	
8	7027628	2	Coil	

SECTION 4 - BOOM

FIGURE 4-9. BOOM VALVE ASSEMBLY



ART_1001162536_G

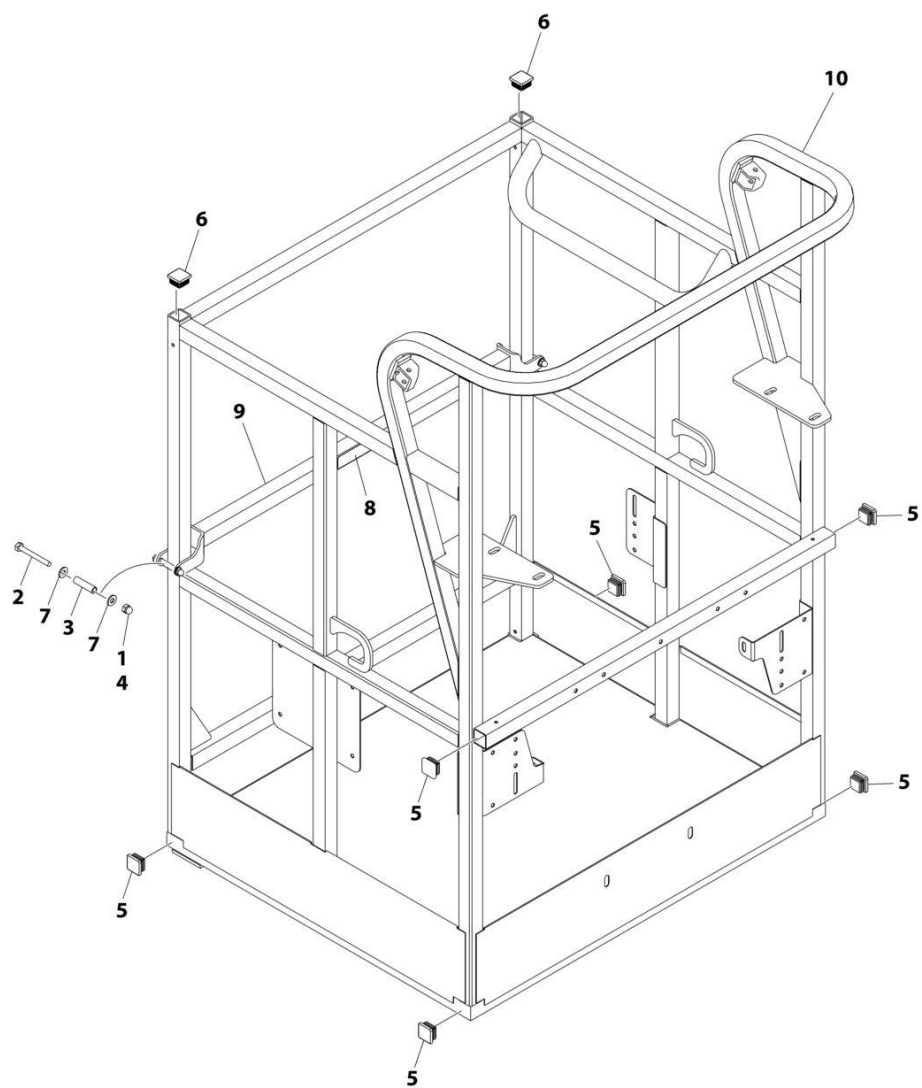
FIGURE 4-9. BOOM VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162536	Ref	BOOM VALVE ASSEMBLY	G
1	70005243	2	Cartridge, Solenoid Valve Less Coil	
1	70004869	2	Seal Kit - 70005243 Valve	
2	70004873	1	Cartridge, Valve	
2	70004867	1	Seal Kit - 70004873 Valve	
3	70007556	1	Cartridge, Valve	
3	70004867	1	Seal Kit - 70006970 Valve	
4	2221086	1	Fitting, Test	
5	70004871	4	Coil	

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 3FT- SIDE DROP BAR ENTRY



ART_1001228215

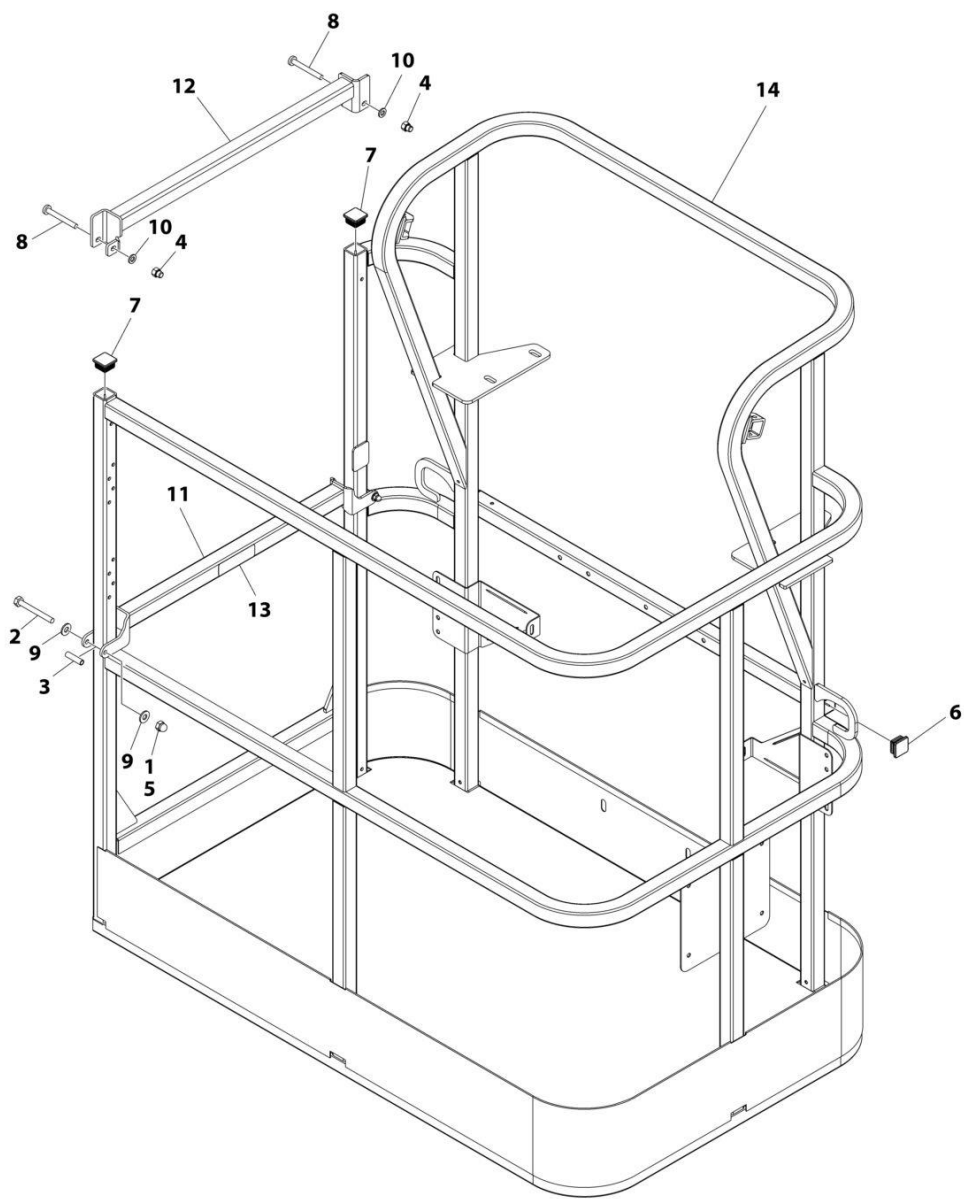
SECTION 5 - PLATFORM

FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 3FT- SIDE 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)	

SECTION 5 - PLATFORM

FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 4FT- SIDE DROP BAR ENTRY



ART_1001186375

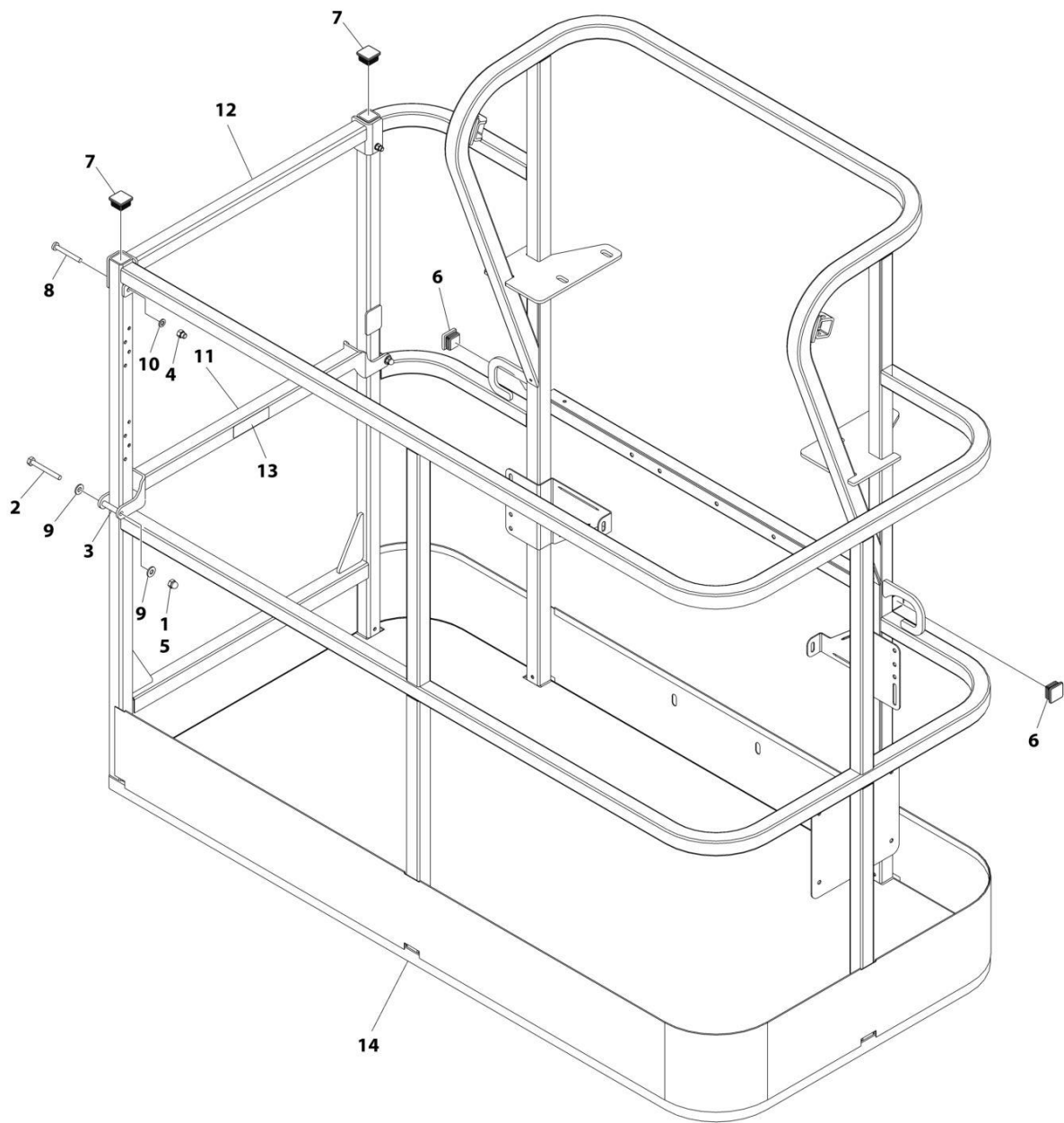
SECTION 5 - PLATFORM

FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 4FT- SIDE DROP BAR ENTRY

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)	

SECTION 5 - PLATFORM

FIGURE 5-3. PLATFORM ASSEMBLY - 30IN X 5FT- SIDE DROP BAR ENTRY



ART_1001186377

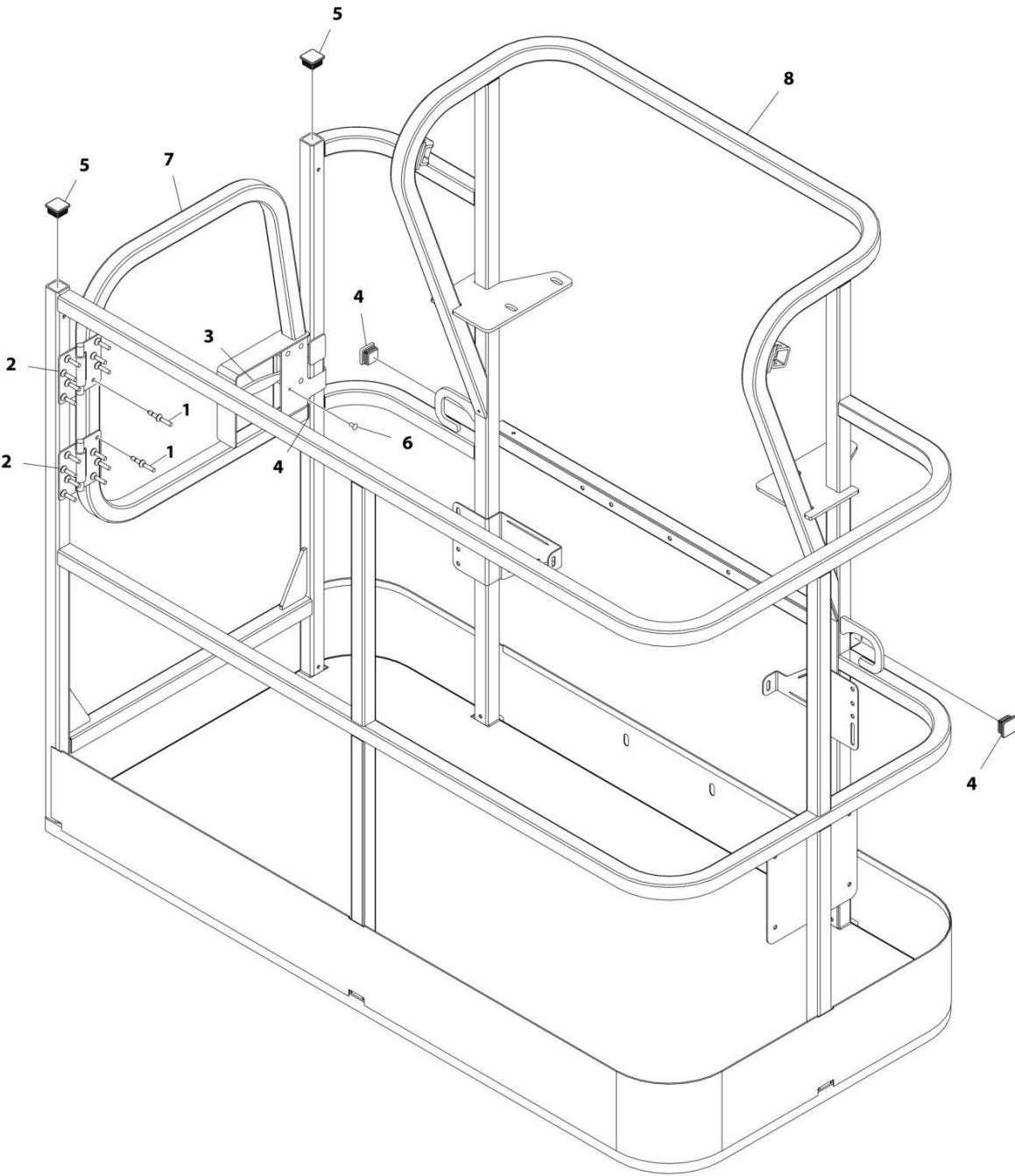
SECTION 5 - PLATFORM

FIGURE 5-3. PLATFORM ASSEMBLY - 30IN X 5FT- SIDE DROP BAR ENTRY

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

SECTION 5 - PLATFORM

FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT- SIDE GATE ENTRY



ART_1001186386

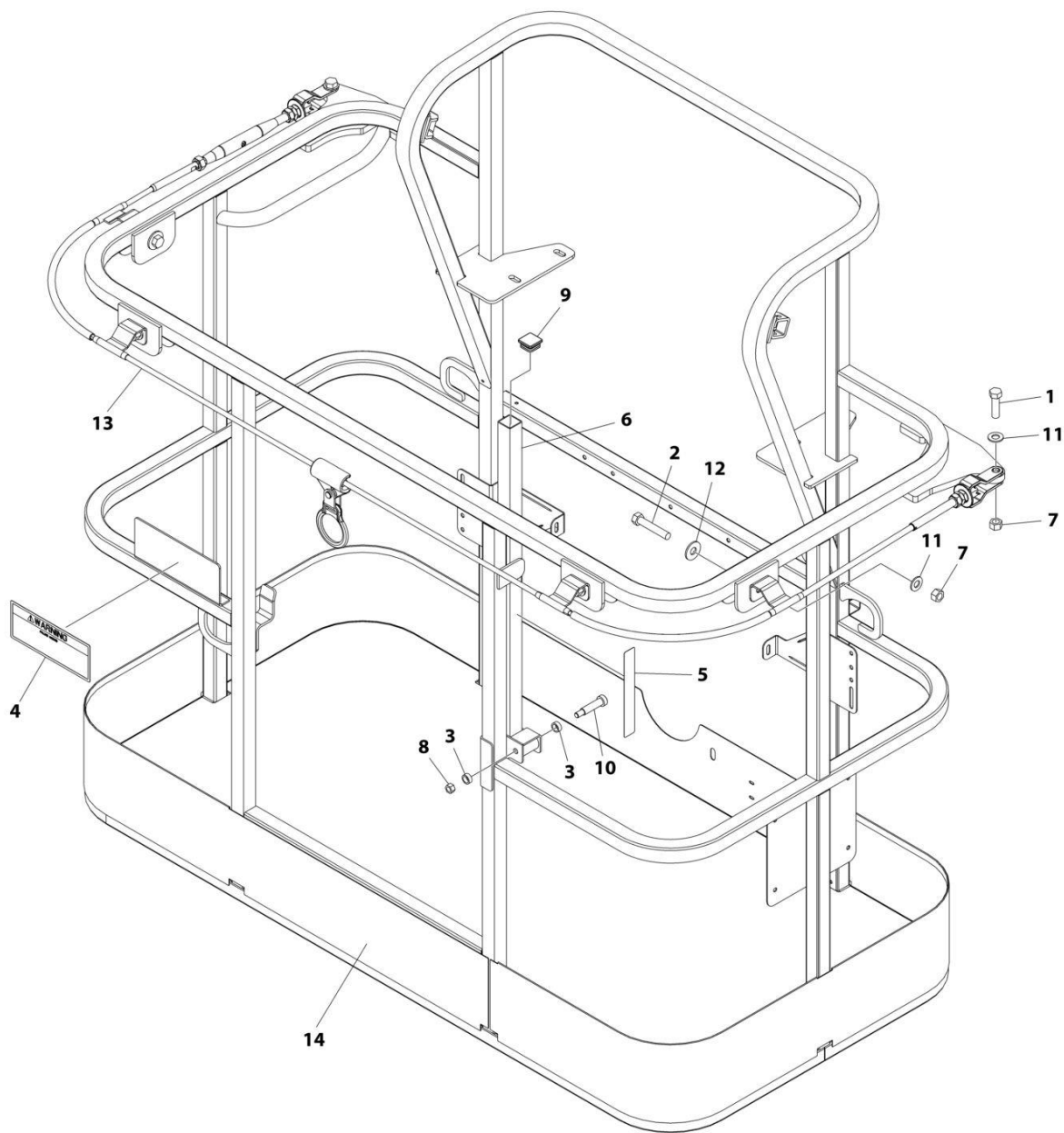
SECTION 5 - PLATFORM

FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT- SIDE GATE ENTRY

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

SECTION 5 - PLATFORM

FIGURE 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.22M) - FALL ARREST REAR ENTRY



ART_1001186388

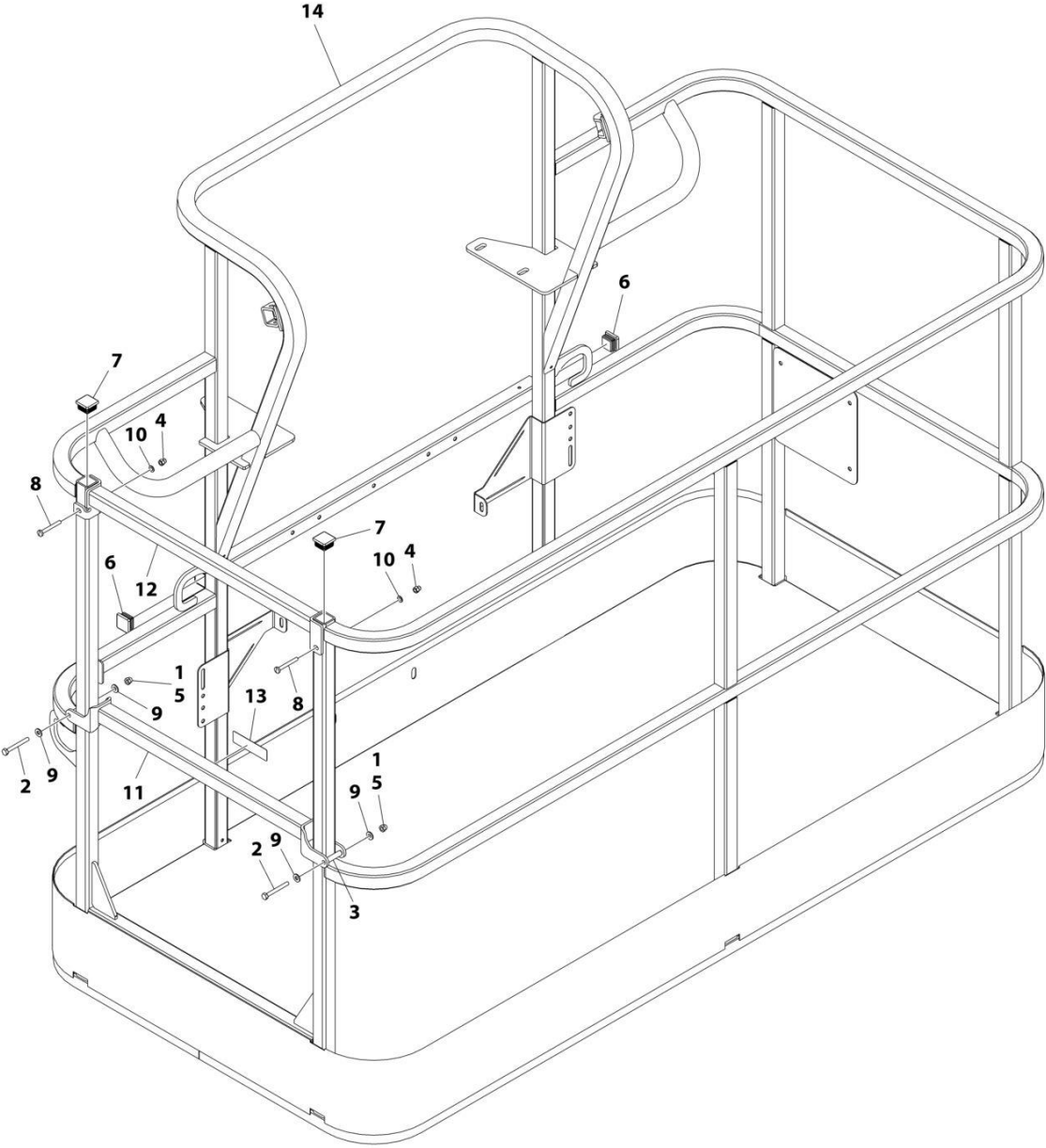
SECTION 5 - PLATFORM

FIGURE 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.22M) - FALL ARREST REAR ENTRY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186388	Ref	PLATFORM ASSEMBLY	C
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0681814	2	Bolt 1/2 x 1-3/4 (Grade 8)	
2	0681822	4	Bolt 1/2 x 2-3/4 (Grade 8)	
3	0962270	2	Bearing	
4	1705014	1	Decal - Safety	
5	1706385	1	Decal - Drop Bar	
6	2410014	1	Gate, Weldment	
7	3271805	6	Nut 1/2	
8	3311605	1	Nut 3/8	
9	3520072	1	Cap, Plug	
10	3900054	1	Bolt 1/2 x 1-3/4	
11	4711800	6	Washer 1/2	
12	4751800	4	Washer 1/2	
13	1001203654	1	Lanyard	
14	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

SECTION 5 - PLATFORM

FIGURE 5-6. PLATFORM ASSEMBLY - 30IN X 6FT- SIDE DROP BAR ENTRY



ART_1001186378

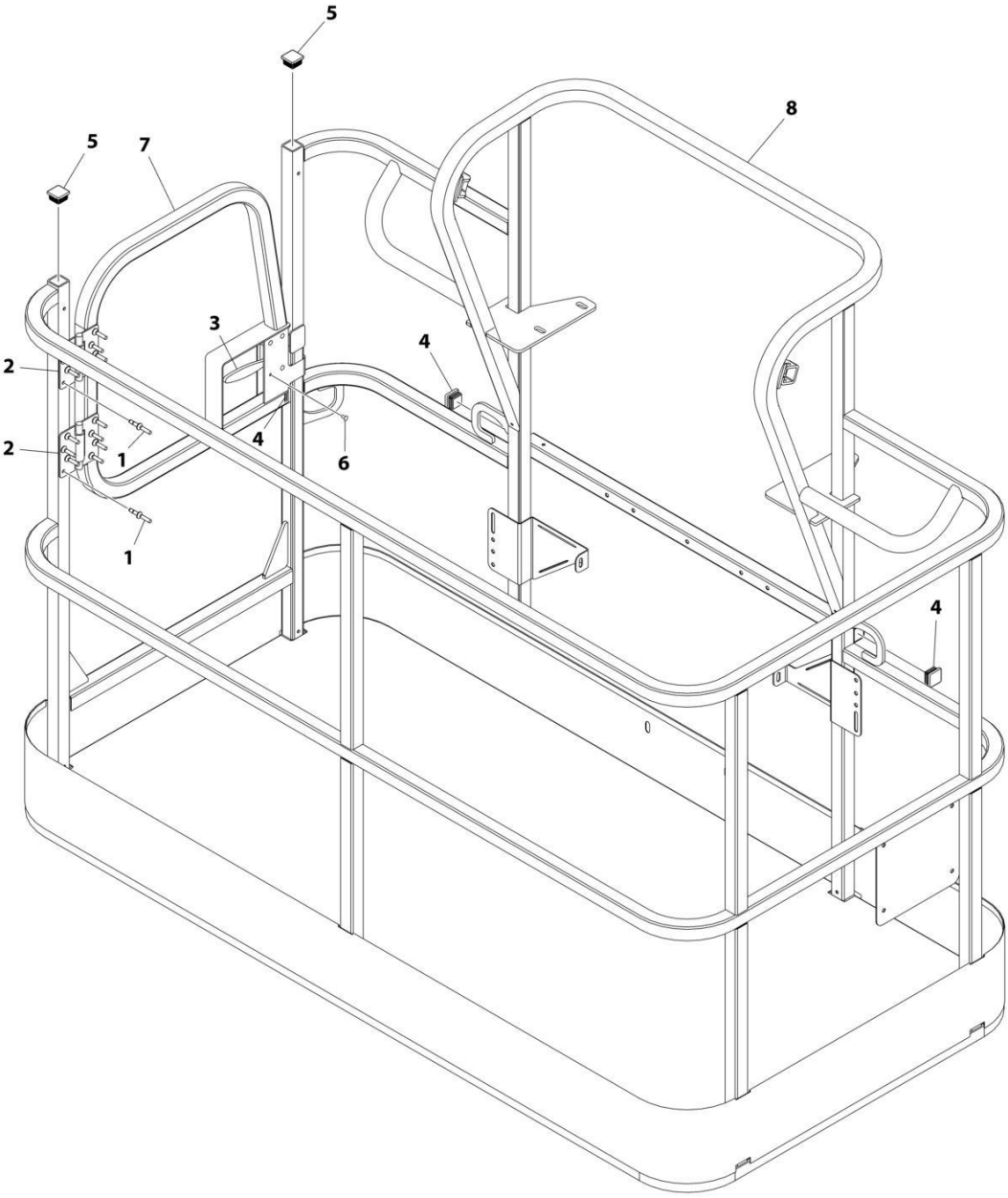
SECTION 5 - PLATFORM

FIGURE 5-6. PLATFORM ASSEMBLY - 30IN X 6FT- SIDE DROP BAR ENTRY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186378	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	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)	

SECTION 5 - PLATFORM

FIGURE 5-7. PLATFORM ASSEMBLY - 30IN X 6FT- SIDE GATE ENTRY



ART_1001186385

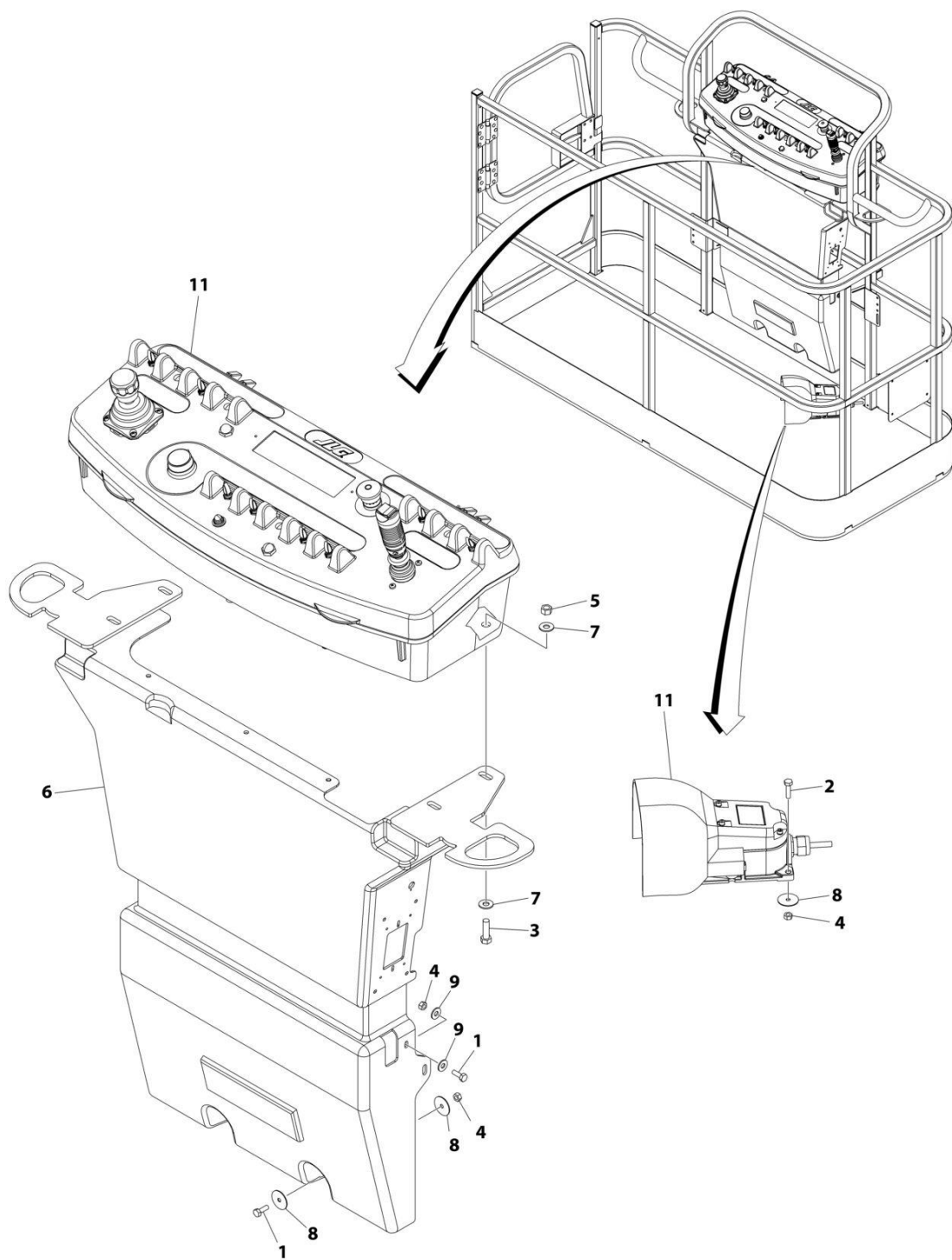
SECTION 5 - PLATFORM

FIGURE 5-7. PLATFORM ASSEMBLY - 30IN X 6FT- SIDE GATE ENTRY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186385	Ref	PLATFORM ASSEMBLY	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)	

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FIGURE 5-8. CONSOLE BOX INSTALLATION



ART_1001246436

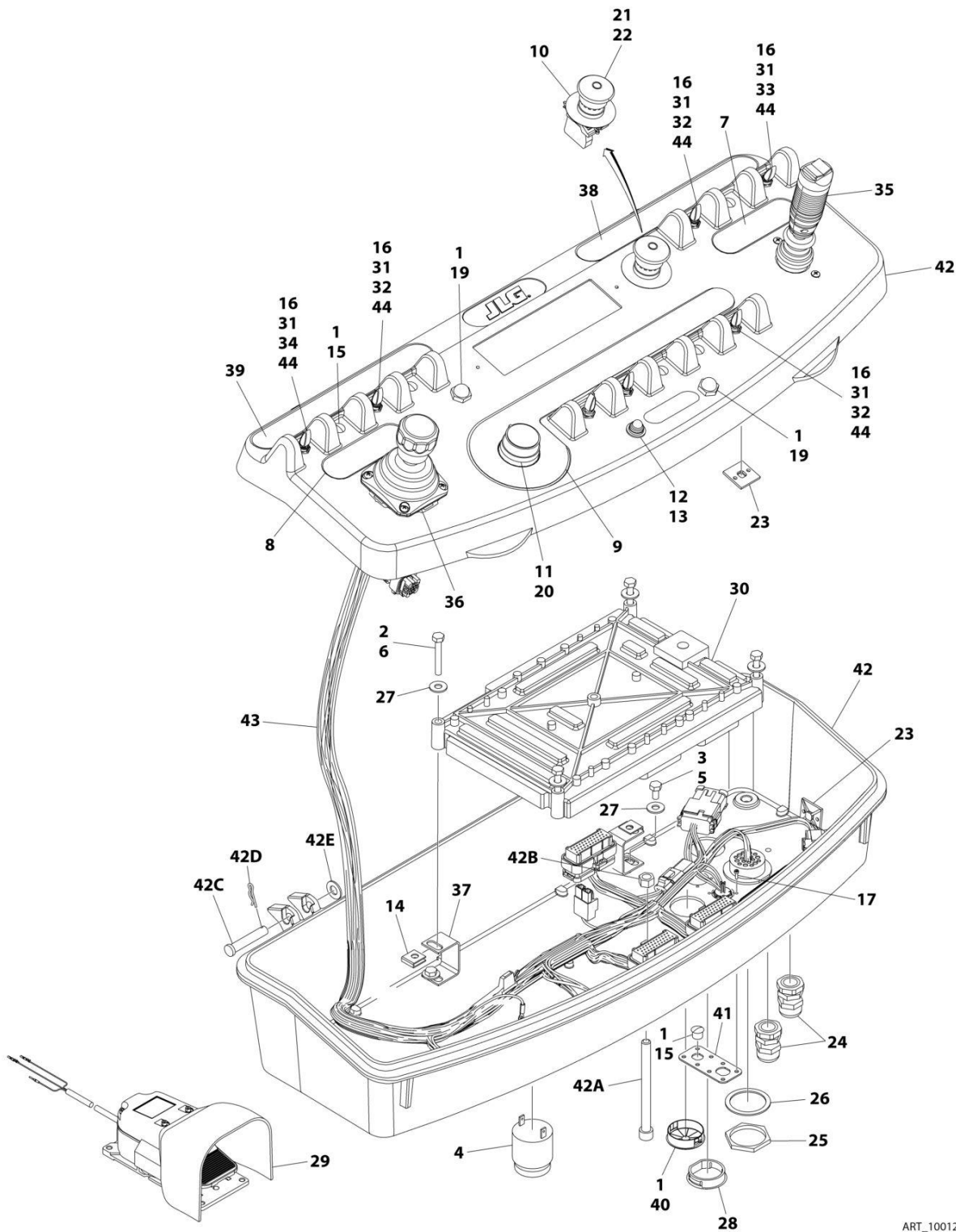
SECTION 5 - PLATFORM

FIGURE 5-8. CONSOLE BOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246436	Ref	CONSOLE BOX INSTALLATION	A
1	0641406	4	Bolt 1/4 x 3/4	
2	0641408	3	Bolt 1/4 x 1	
3	0641610	4	Bolt 3/8 x 1-1/4	
4	3311405	7	Nut Lock 1/4	
5	3311605	4	Nut Lock 3/8	
6	3380434	1	Panel, Decal Mount	
7	4751600	8	Washer 3/8	
8	4740362	7	Washer 1/4	
9	4751400	4	Washer 1/4	
10	1001164728	1	Harness, Platform Valve (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
11	1001246435	1	Platform Console Box Assembly (See Separate Breakdown in this Section)	

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FIGURE 5-9. PLATFORM CONSOLE BOX ASSEMBLY



ART_1001246435

SECTION 5 - PLATFORM

FIGURE 5-9. PLATFORM CONSOLE BOX ASSEMBLY

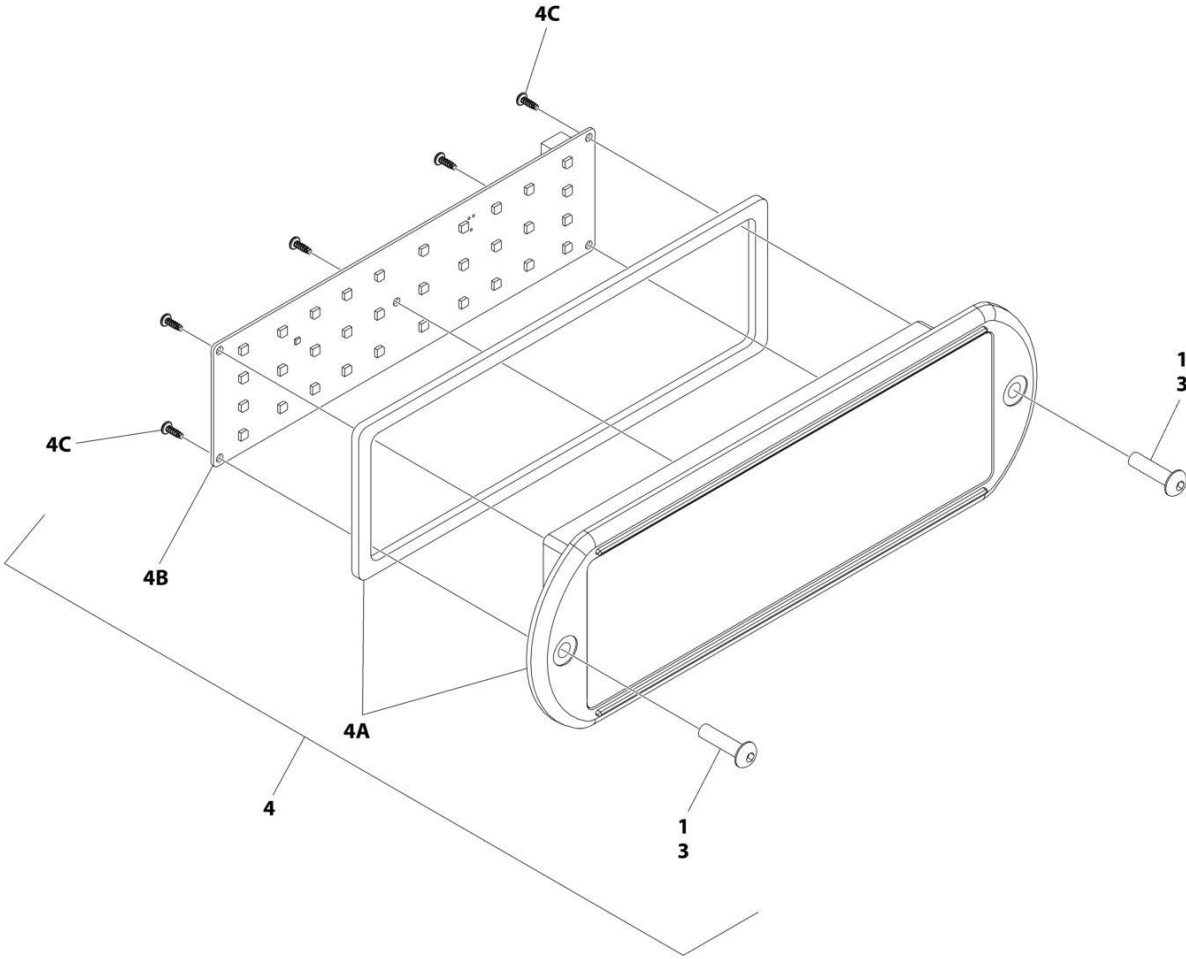
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246435	Ref	PLATFORM CONSOLE BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100035	AR	Compound, Locking	
4	0140011	1	Alarm	
5	0641405	4	Bolt 1/4 x 5/8	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	1702565	1	Decal - Drive and Steer	
8	1702566	1	Decal - Lift and Swing	
9	1702567	1	Decal - Function Speed	
10	1704260	1	Decal - EMS	
11	2560136	1	Handle, Knob	
12	2920028	1	Light, Indicator	
13	2920029	1	Bulb, Light	
14	3300353	4	Nut	
15	3520054	5	Plug	
16	3790012	8	O-Ring	
17	3900349	8	Screw	
18	4240099	AR	Tie-Strap (Not Shown)	
19	4360387	2	Switch, Pushbutton	
20	4360407	1	Switch, Potentiometer	
21	4360475	1	Switch, Emergency	
21	7020175	1	Cap, Red	
21	7020176	1	Contact Block	
22	4360476	1	Block, Contact	
23	4460234	4	Terminal	
24	4460428	2	Connector, Strain Relief	
25	4460470	1	Nut	
26	4460471	1	Washer	
27	4751400	8	Washer 1/4	
28	1001110434	1	Plug	
29	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	
30	1001118412	1	Module, Control	
31	1001155044	8	Nut 15/32	
32	1001155045	6	Switch, Toggle	
33	1001159256	1	Switch, Toggle	
34	1001161709	1	Switch, Toggle	
35	1001166538	NLA	Controller Assembly (Drive and Steer) (Use p/n 1001212415) (See Separate Breakdown in this Section)	
36	1001166539	NLA	Controller Assembly (Lift and Swing) (See Separate Breakdown in this Section) (Note: Use p/n 1001129555 as Replacement)	
37	1001172760	4	Bracket	
38	1001184618	1	Decal - Stop	
39	1001184626	1	Decal - Horn	
40	1001185281	1	Plug	
41	1001213882	1	Connector, Mounting	
42	1001215228	1	Platform Console Box	
42A	0630568	1	Capscrew 3/8 x 4-1/2	
42B	3311601	1	Nut 3/8	
42C	3430616	2	Pin, Clevis	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42D	3470003	2	Hairpin	
42E	4711600	2	Washer 3/8	
43	1001238254	1	Harness, Platform Console Box (See Separate Breakdown in ELECTRICAL SECTION)	
44	4740397	7	Spacer	

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FIGURE 5-10. LIGHT PANEL INSTALLATION – PLATFORM CONSOLE (Prior to SN B300012344, Except SN B300012042 through B300012233)



ART_1001241404_20F2

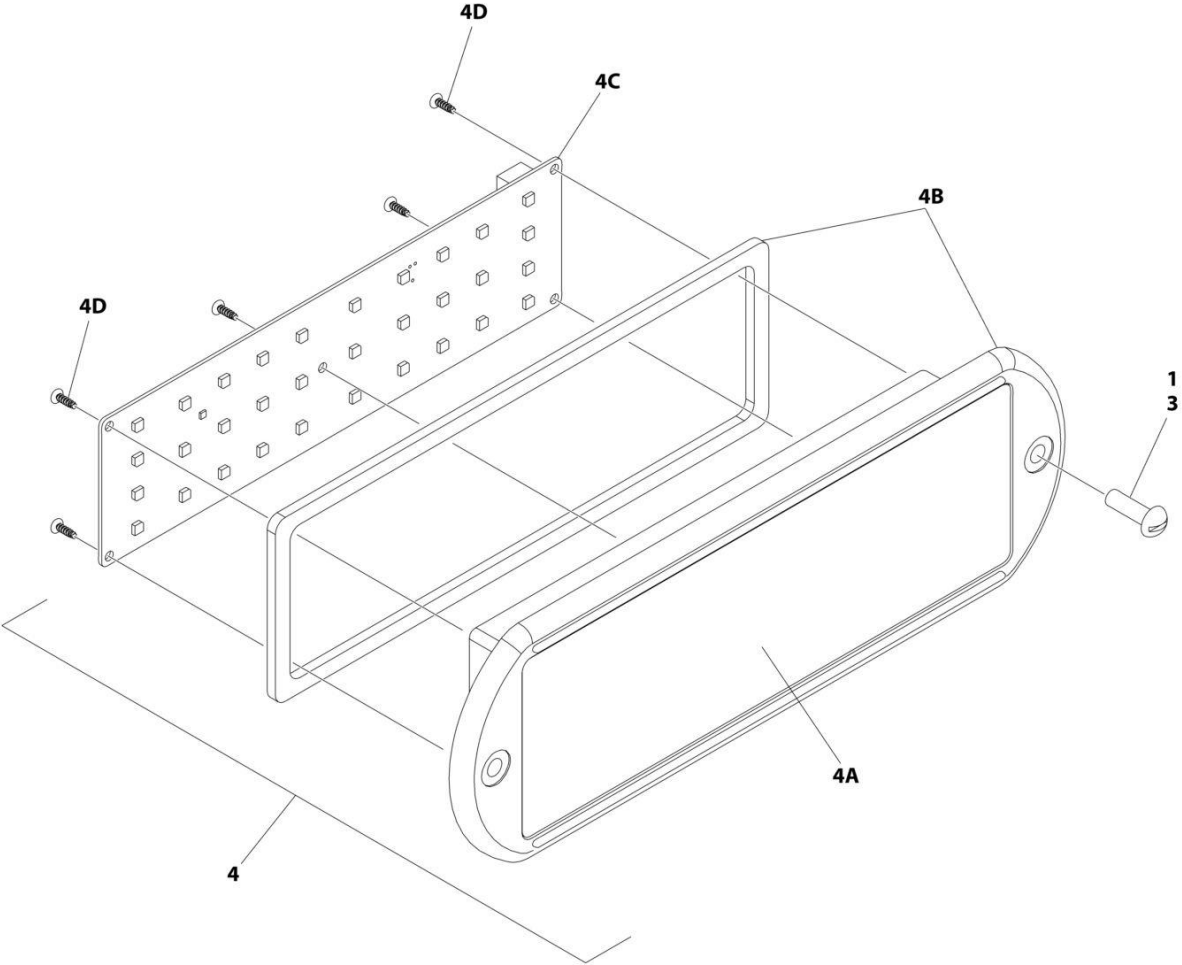
SECTION 5 - PLATFORM

**FIGURE 5-10. LIGHT PANEL INSTALLATION – PLATFORM CONSOLE (Prior to SN B300012344,
Except SN B300012042 through B300012233)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241404	Ref	LIGHT PANEL INSTALLATION - PLATFORM CONSOLE	B
1	0100035	AR	Compound, Locking	G
3	0630518	2	Screw #10 x 3/4	
4	1001237545	1	Light Panel Electrical Assembly	
4A	1001236089	1	Lens, I-Con (Includes Gasket)	
4B	1001187807	1	Panel, LED Light	
4C		Ref	Screw	

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FIGURE 5-11. LIGHT PANEL INSTALLATION – PLATFORM CONSOLE (SN B300012344 to Present)



ART_1001241398_20F2

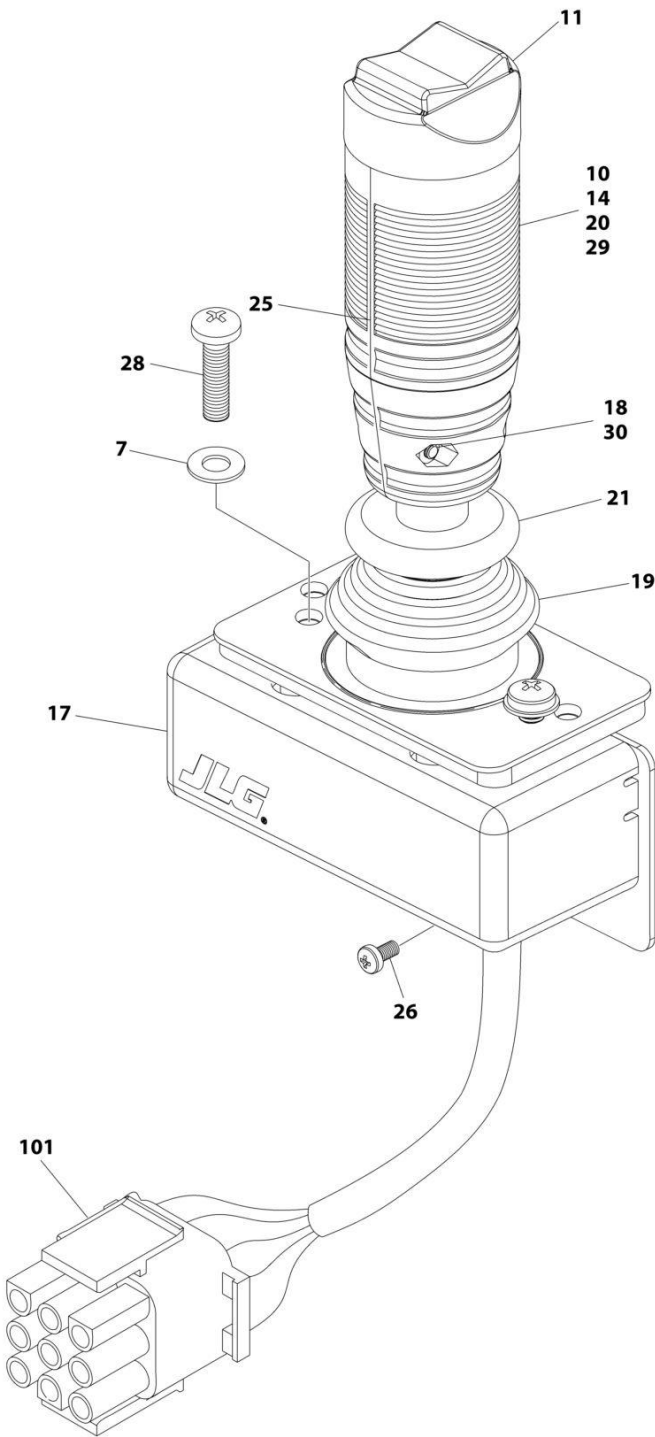
SECTION 5 - PLATFORM

FIGURE 5-11. LIGHT PANEL INSTALLATION – PLATFORM CONSOLE (SN B300012344 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241398	Ref	LIGHT PANEL INSTALLATION - PLATFORM CONSOLE	B
1	0100035	AR	Compound, Locking	
3	3911010	2	Screw #10 x 5/8	
4	1001238671	1	Light Panel Assembly	
4A	1001236087	1	Lens, I-Con	
4B	1001238750	1	Bezel (Includes Gasket)	
4C	1001238732	1	Panel, LED Light	
4D		Ref	Screw	

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FIGURE 5-12. CONTROLLER ASSEMBLY - DRIVE AND STEER



ART_1001166538

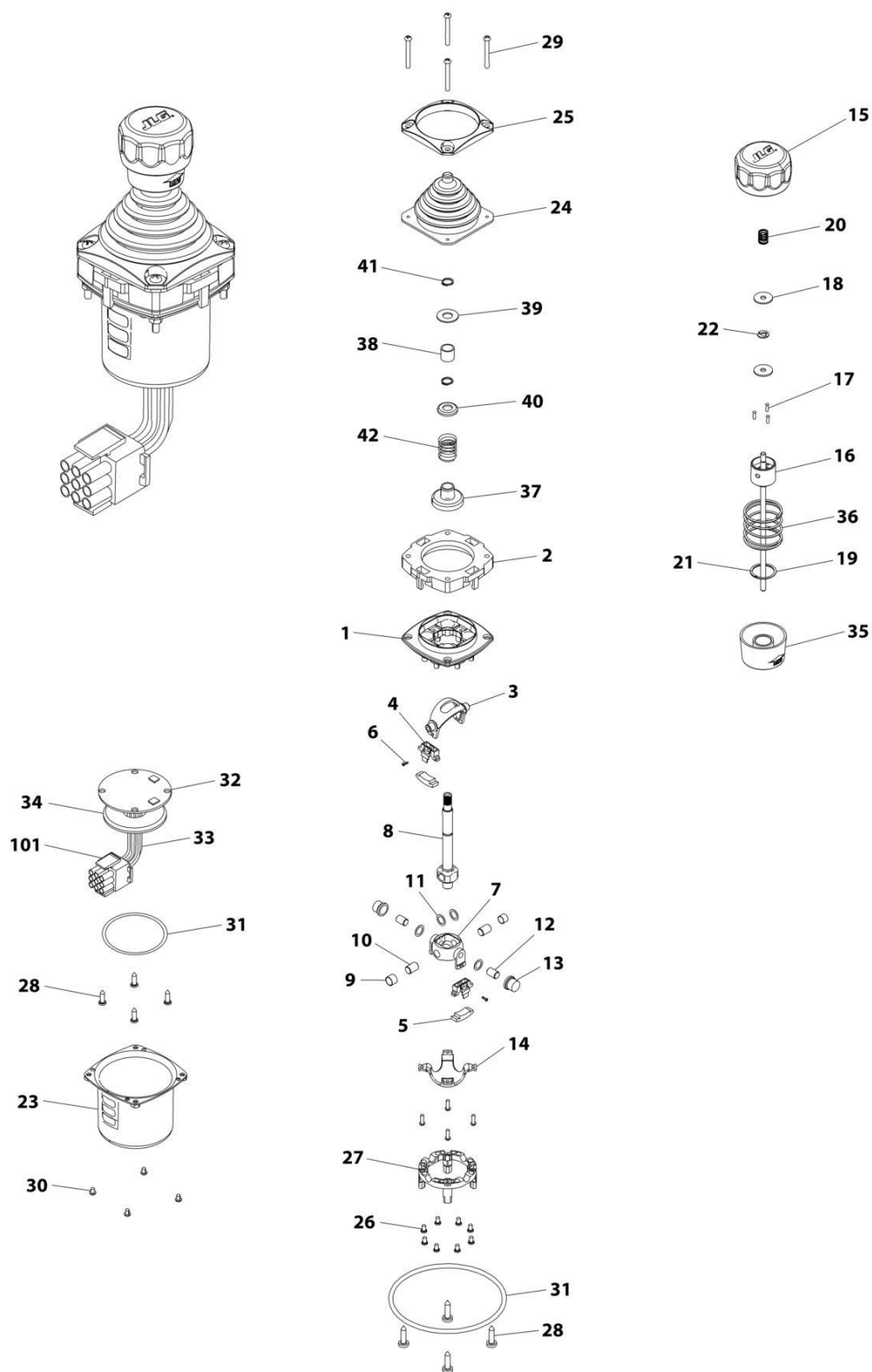
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FIGURE 5-12. CONTROLLER ASSEMBLY - DRIVE AND STEER

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	

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FIGURE 5-13. CONTROLLER ASSEMBLY - LIFT AND SWING



ART_1001166539

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FIGURE 5-13. CONTROLLER ASSEMBLY - LIFT AND SWING

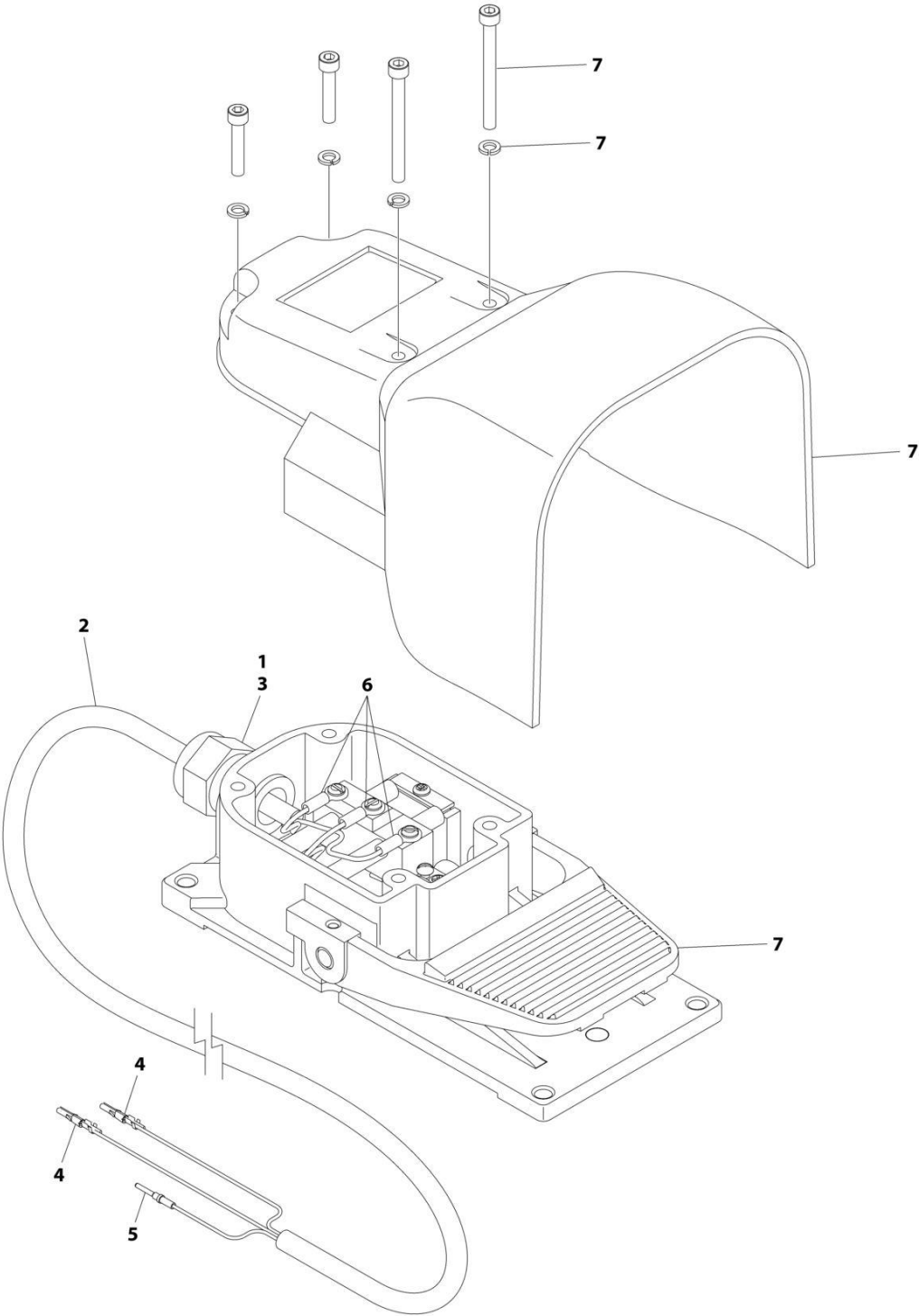
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166539	Ref	CONTROLLER ASSEMBLY	E
		Ref	Note: Original Equipment Controller May Have Been Replaced with Service Replacement Controller. Visually Identify Controller Before Ordering Parts.	
		Ref	Note: For Replacement, Use p/n 1001129555	
1	See Note	NSS	Main Cast 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	

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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	

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FIGURE 5-14. FOOTSWITCH ASSEMBLY



ART_1001117174

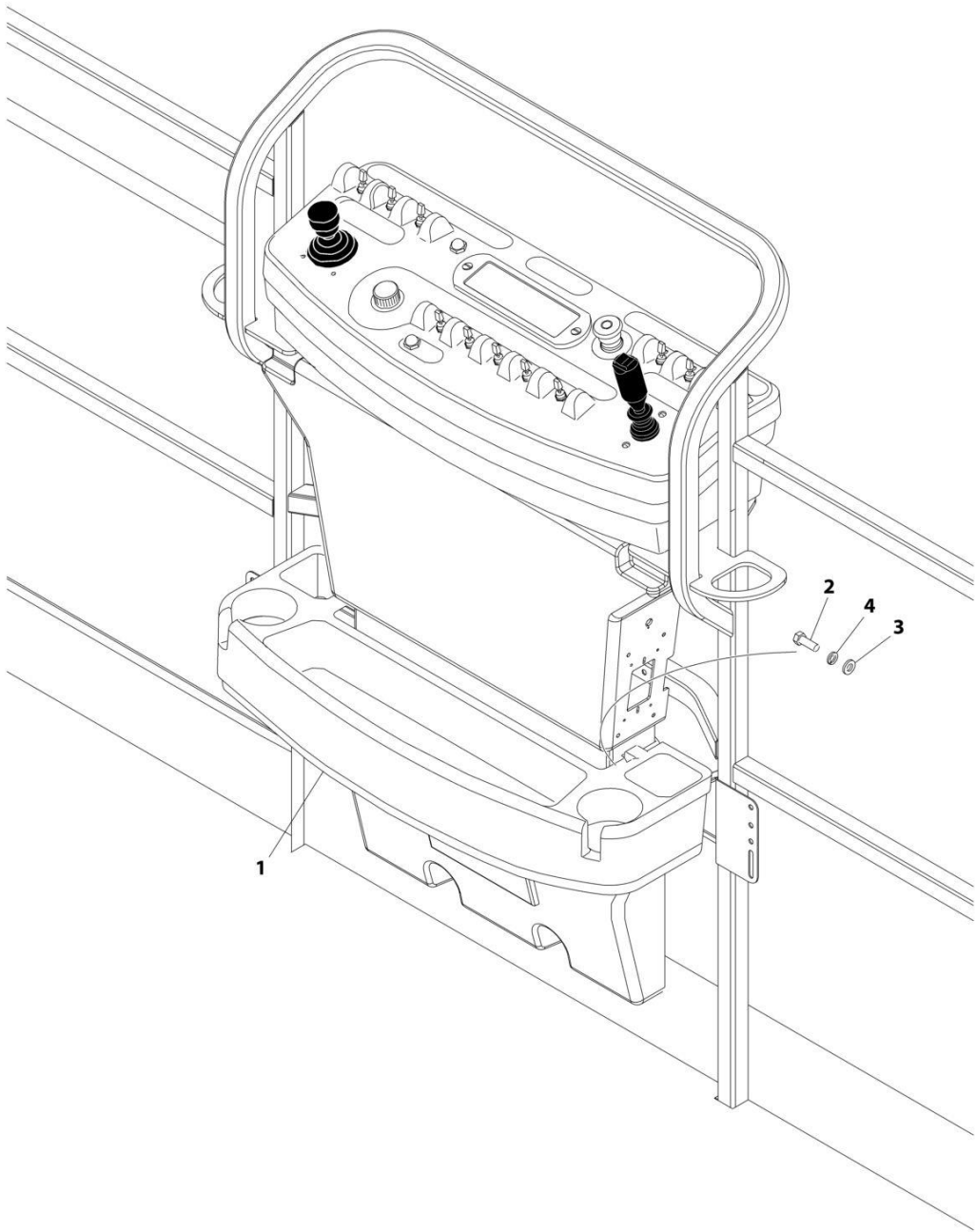
SECTION 5 - PLATFORM

FIGURE 5-14. 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	

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FIGURE 5-15. TRAY ASSEMBLY



ART_1580012

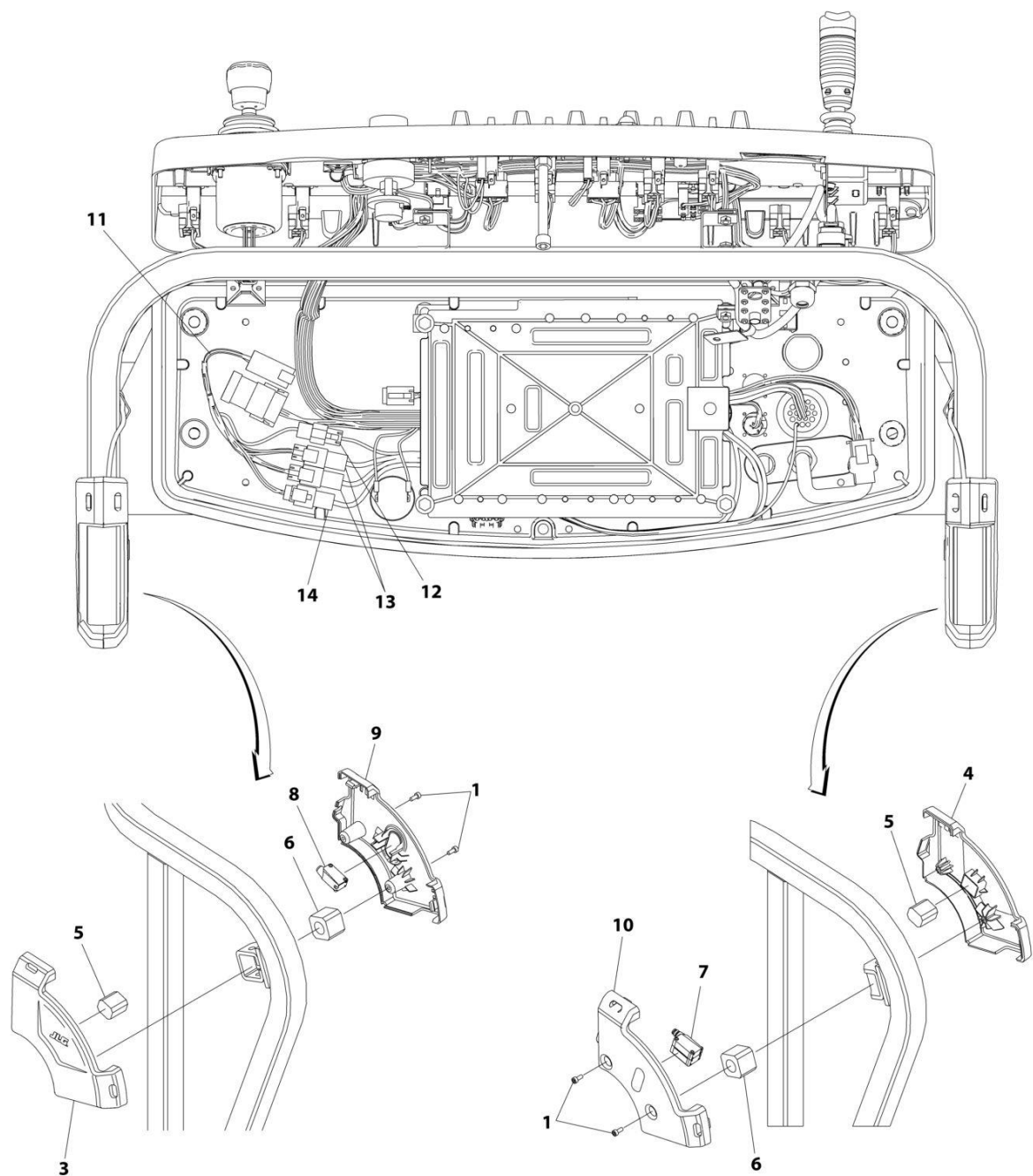
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FIGURE 5-15. TRAY ASSEMBLY

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	

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FIGURE 5-16. SKYEYE INSTALLATION



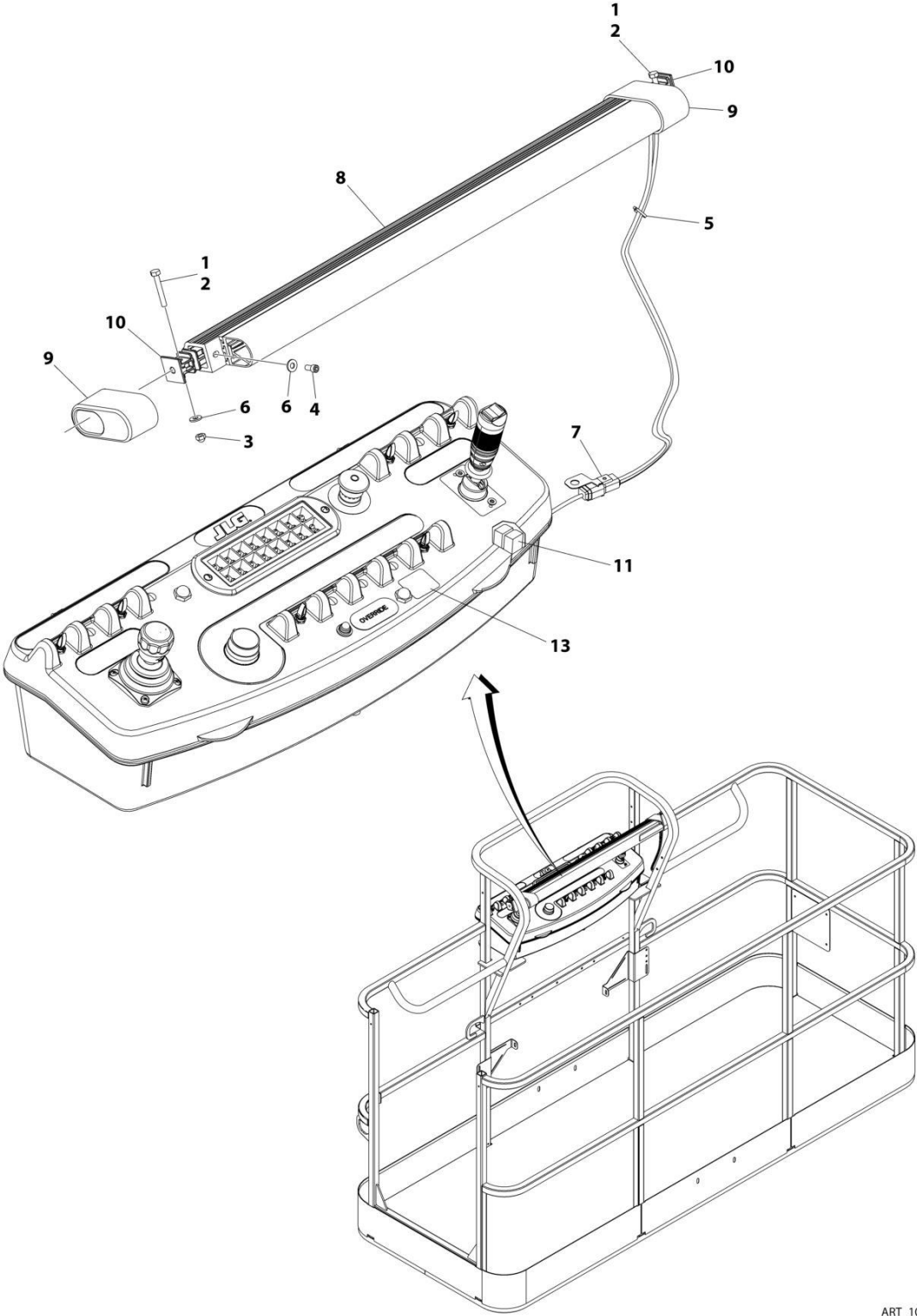
ART_1001229341

FIGURE 5-16. 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)	

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FIGURE 5-17. SKYGUARD BAR INSTALLATION



ART_1001238495

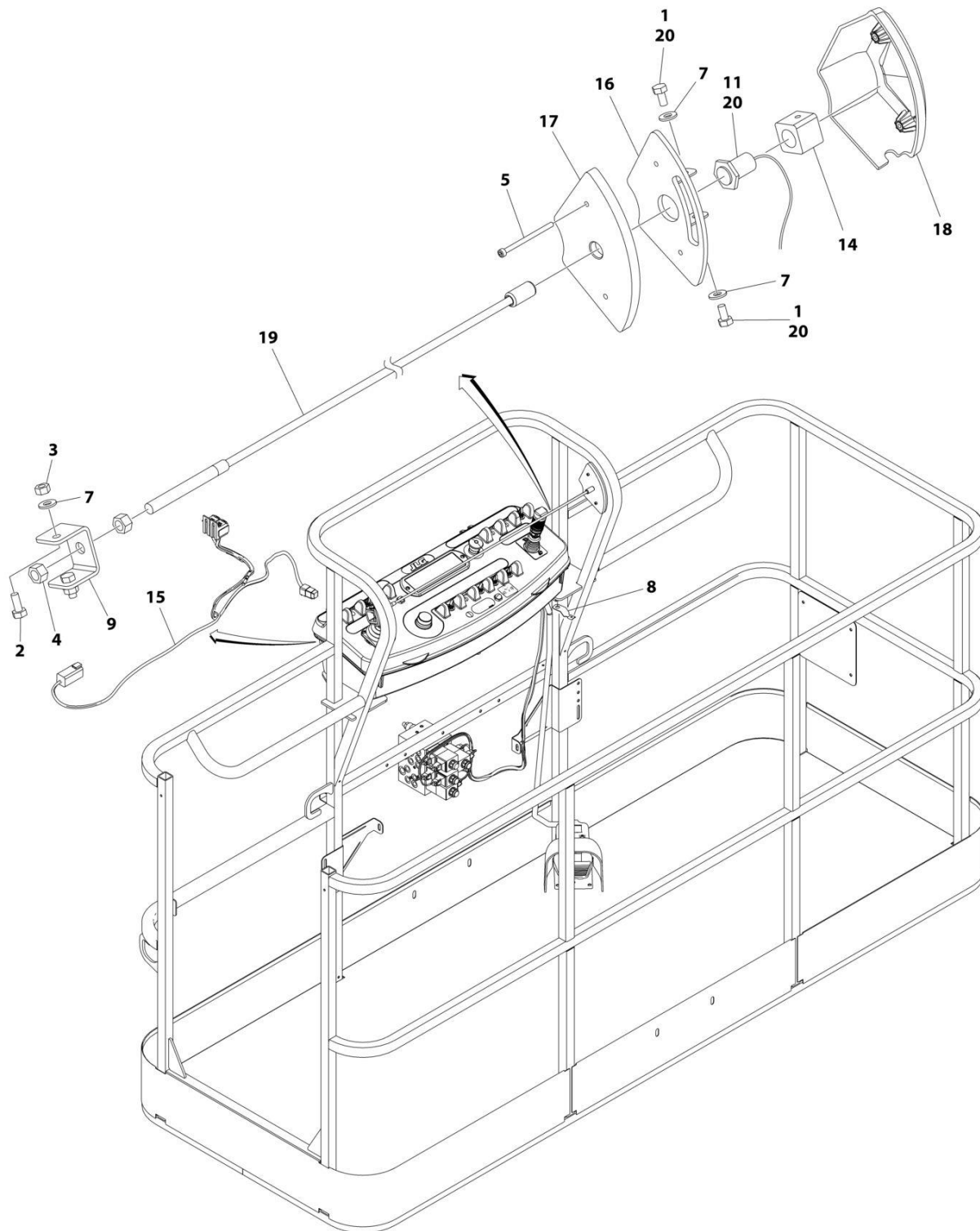
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FIGURE 5-17. SKYGUARD BAR INSTALLATION

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	

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FIGURE 5-18. SKYLINE INSTALLATION



ART_1001238559_D

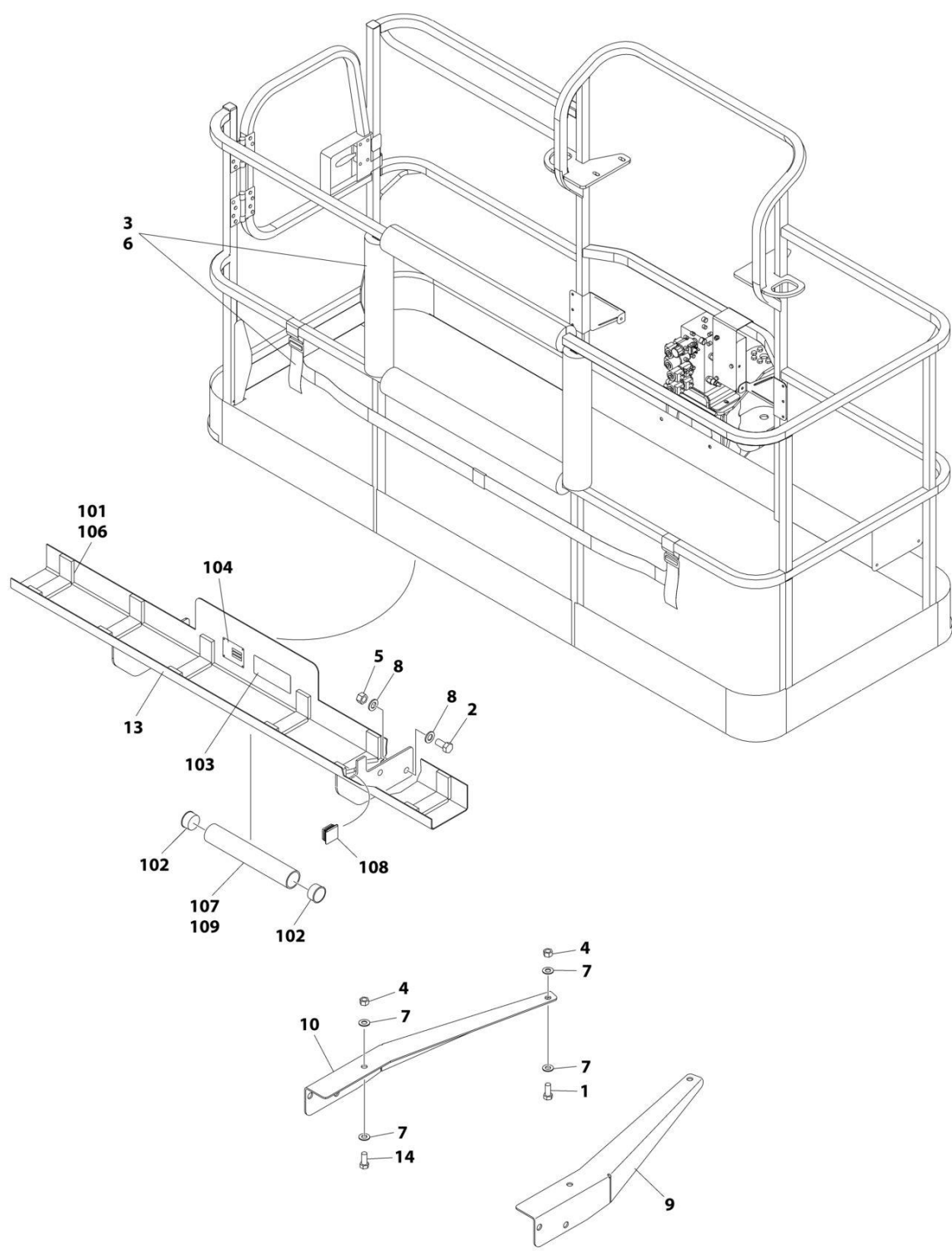
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FIGURE 5-18. SKYLINE INSTALLATION

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

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FIGURE 5-19. SKYGLAZIER INSTALLATION (AUSTRALIAN SPECS)



ART_1001172578_C

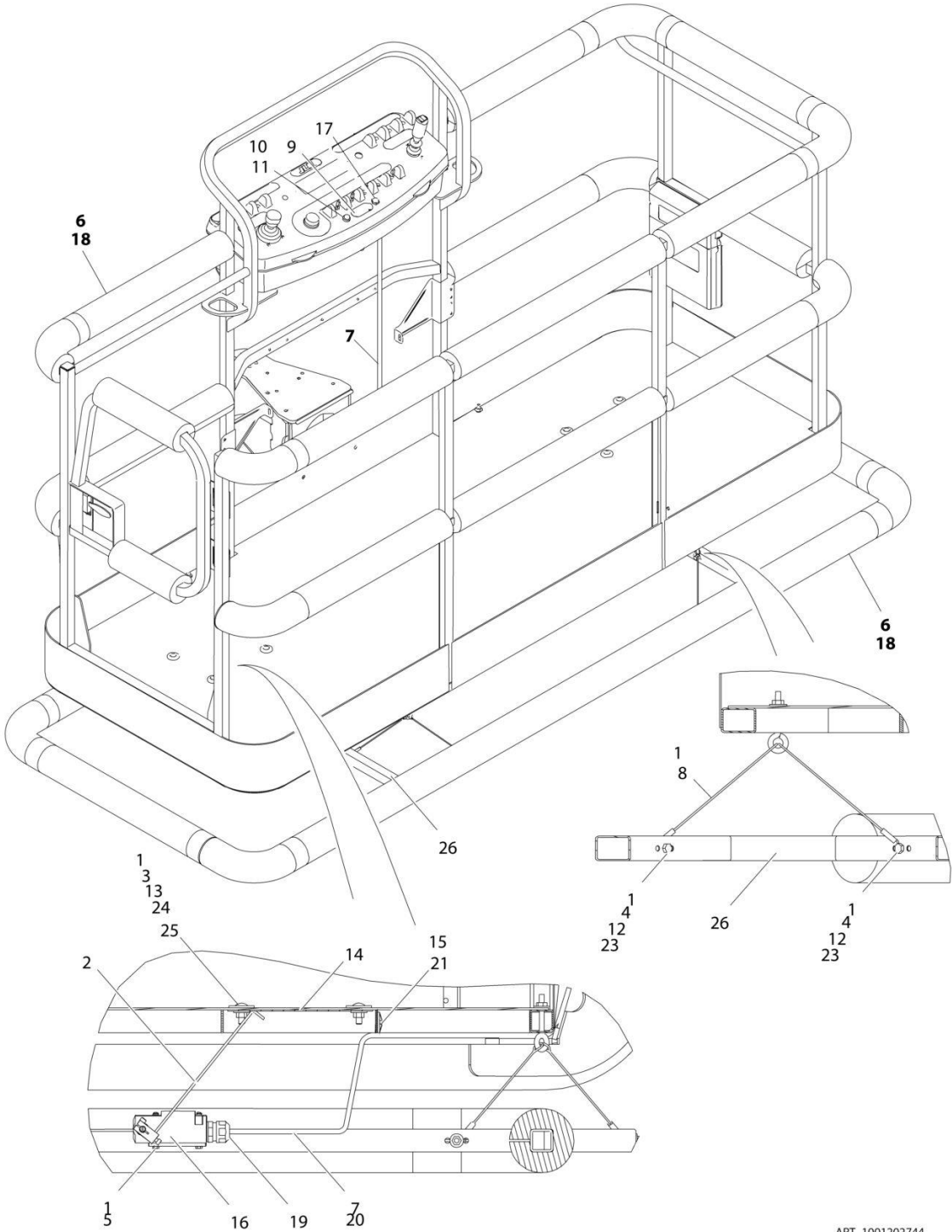
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FIGURE 5-19. SKYGLAZIER INSTALLATION (AUSTRALIAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172578	Ref	SKYGLAZIER INSTALLATION	C
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	2902212	1	Bumpers and Strap Kit	
3	0940102	1	Bumper Only	
3	4240149	1	Strap Only	
4	3312005	1	Nut 5/8	
5	3312205	4	Nut 3/4	
6	4420014	AR	Tape	
7	4712000	6	Washer 5/8	
8	4712200	8	Washer 3/4	
9	1001099366	1	Support	
10	1001099367	1	Support	
13	1001172577	1	Tray Assembly (See Items 101-109 for Breakdown)	
14	8310129	2	Bolt 3/4 x 2-1/2	C
	1001172577	Ref	TRAY ASSEMBLY	
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	

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FIGURE 5-20. SOFT TOUCH INSTALLATION (WITHOUT FALL ARREST)



ART_1001202744

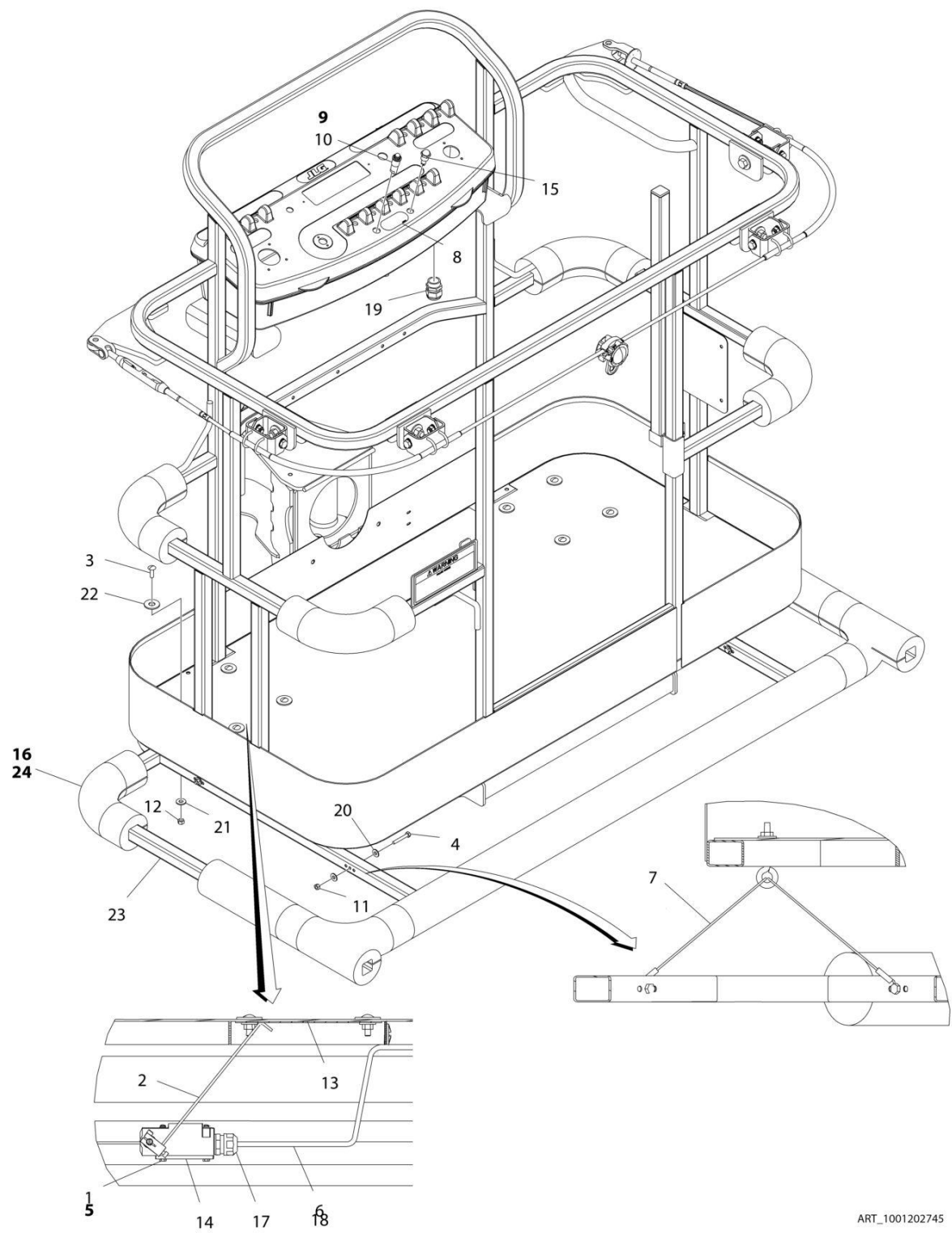
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FIGURE 5-20. SOFT TOUCH INSTALLATION (WITHOUT FALL ARREST)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202744	Ref	SOFT TOUCH INSTALLATION - 6FT/1.8M PLATFORM	B
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt, Carriage	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0721005	4	Bolt #10 x 5/8	
6	0940167	1	Bumper Kits (Includes Corners and Enough Straight Material for One Platform)	
7	1060341	15 ft /4.57m	Cable, Electrical - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	2920028	1	Lamp, Indicator	
11	2920029	1	Bulb, Light	
12	3311401	8	Nut 1/4	
13	3311501	8	Nut 5/16	
14	3575705	2	Plate, Switch Strike	
15	4240099	AR	Tie-Strap	
16	4360057	2	Switch, Limit	
17	4360387	1	Switch, Push Button	
18	4420068	1	Tape, Adhesive	
18	1001197017	AR	Tie-Strap	
19	4460049	2	Connector, Strain Relief	
20	4460226	4	Socket, Female	
21	4460234	2	Tie-Strap Mount	
22	4460425	1	Connector, Strain Relief (Not Shown - Located on bottom of console box)	
23	4751400	16	Washer 1/4	
24	4751500	8	Washer 5/16	
25	4751800	8	Washer 1/2	
26	4846370	1	Rail, Soft Touch	

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FIGURE 5-21. SOFT TOUCH INSTALLATION (WITH FALL ARREST)



ART_1001202745

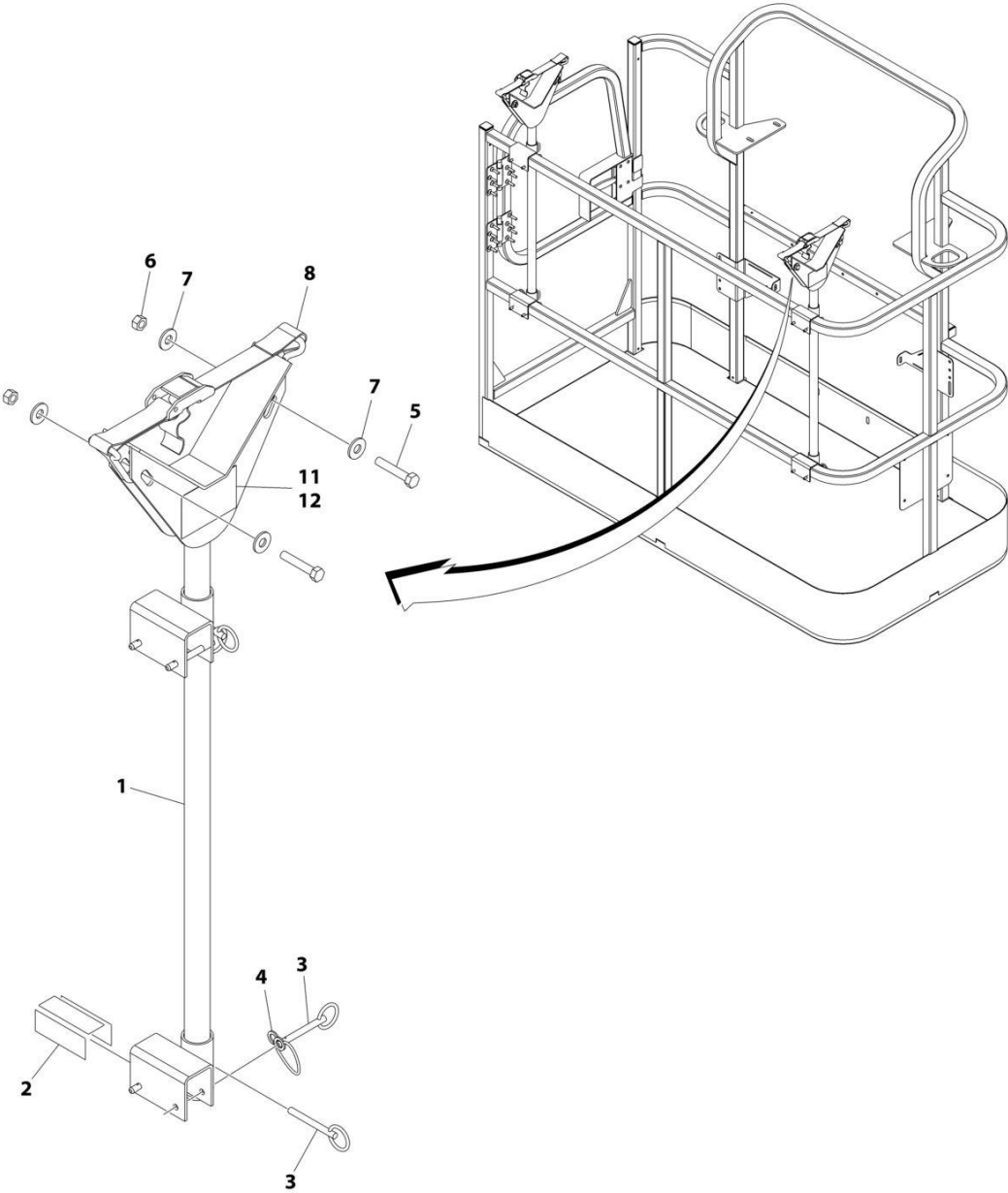
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FIGURE 5-21. SOFT TOUCH INSTALLATION (WITH FALL ARREST)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202745	Ref	SOFT TOUCH INSTALLATION - 5FT/1.52M PLATFORM WITH FALL ARREST	B
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt, Carriage	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0721005	4	Bolt #10 x 5/8	
6	1060341	15 ft /4.57m	Cable, Electrical - 16/2	
7	1060903	4	Wire Rope and Eyebolt Assembly	
8	1702938	1	Decal - Soft Touch Override	
9	2920028	1	Lamp, Indicator	
10	2920029	1	Bulb, Light	
11	3311405	8	Nut 1/4	
12	3311501	8	Nut 5/16	
13	3575705	2	Plate, Switch Strike	
14	4360057	2	Switch, Limit	
15	4360387	1	Switch, Push Button	
16	4420068	1	Tape, Adhesive	
16	1001197017	AR	Tie-Strap	
17	4460049	2	Connector, Strain Relief	
18	4460226	4	Socket, Female	
19	4460425	1	Connector, Strain Relief	
20	4751400	16	Washer 1/4	
21	4751500	8	Washer 5/16	
22	4751800	8	Washer 1/2	
23	1001115641	1	Rail, Soft Touch	
24	1001115848	1	Bumper Kits (Includes Corners and Enough Straight Material for One Platform)	

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FIGURE 5-22. PIPE RACK INSTALLATION (ANSI EXPORT,CHINA & RUSSIAN /CIS SPECS)



ART_0257728_E

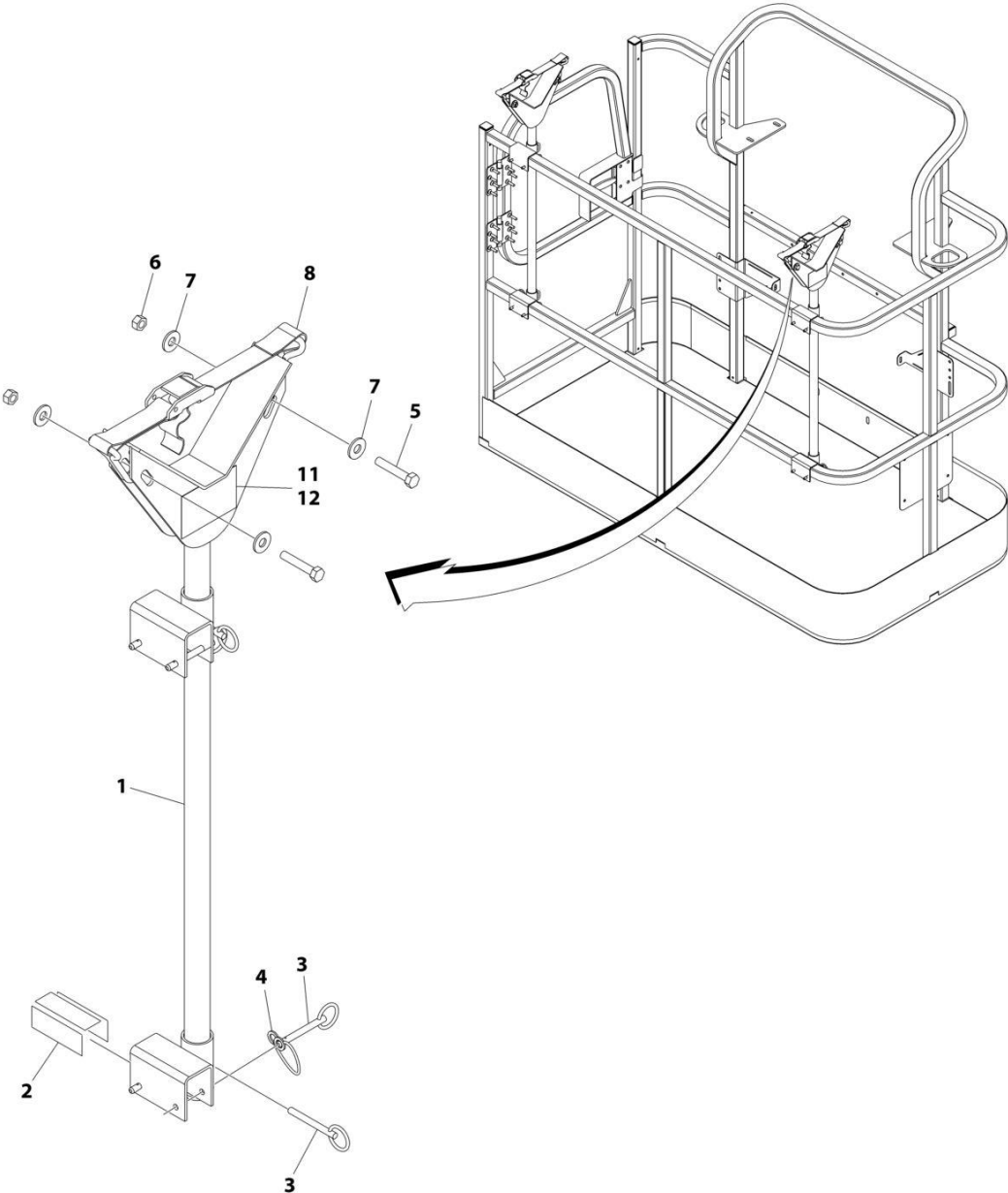
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FIGURE 5-22. PIPE RACK INSTALLATION (ANSI EXPORT,CHINA & RUSSIAN /CIS SPECS)

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)	

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FIGURE 5-23. PIPE RACK INSTALLATION (AUSTRALIAN SPECS)



ART_0274661_C

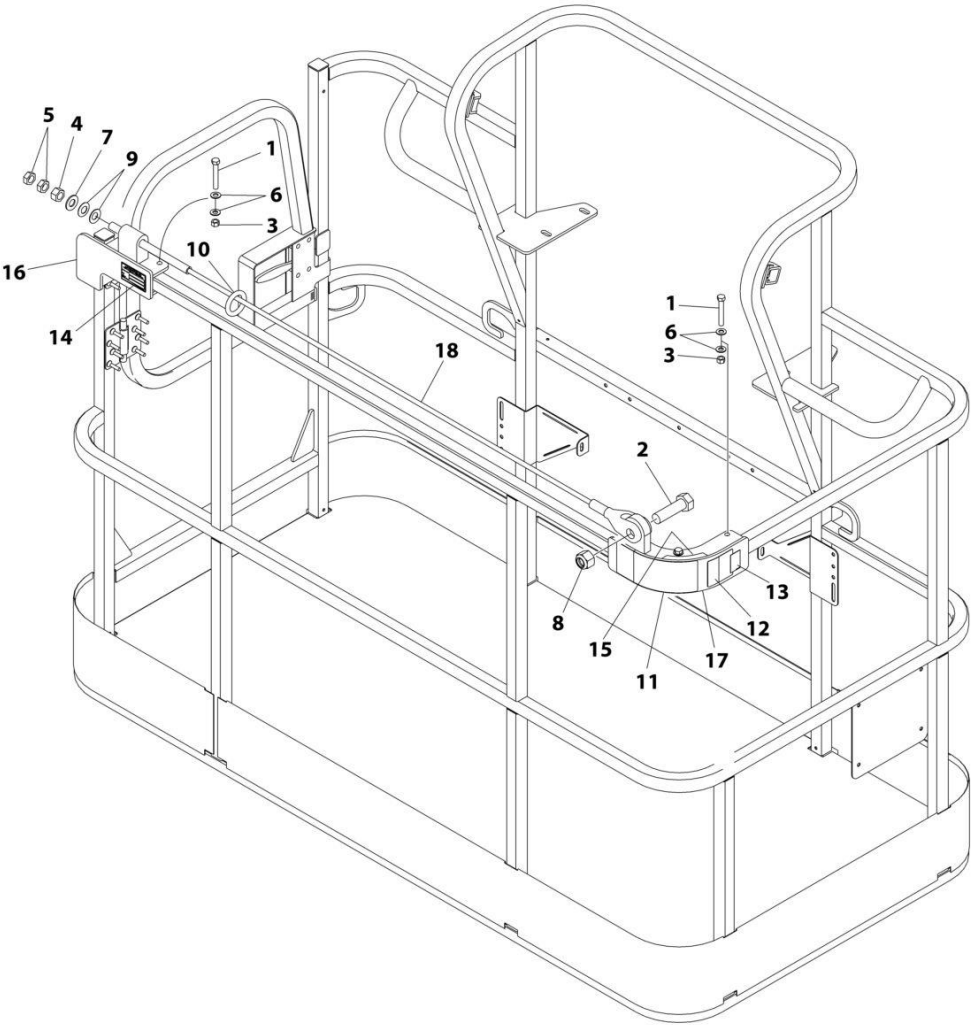
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FIGURE 5-23. PIPE RACK INSTALLATION (AUSTRALIAN SPECS)

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)	

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FIGURE 5-24. FALL ARREST INSTALLATION (BOLT-ON) (5FT/1.52M PLATFORM)



ART_1001257275

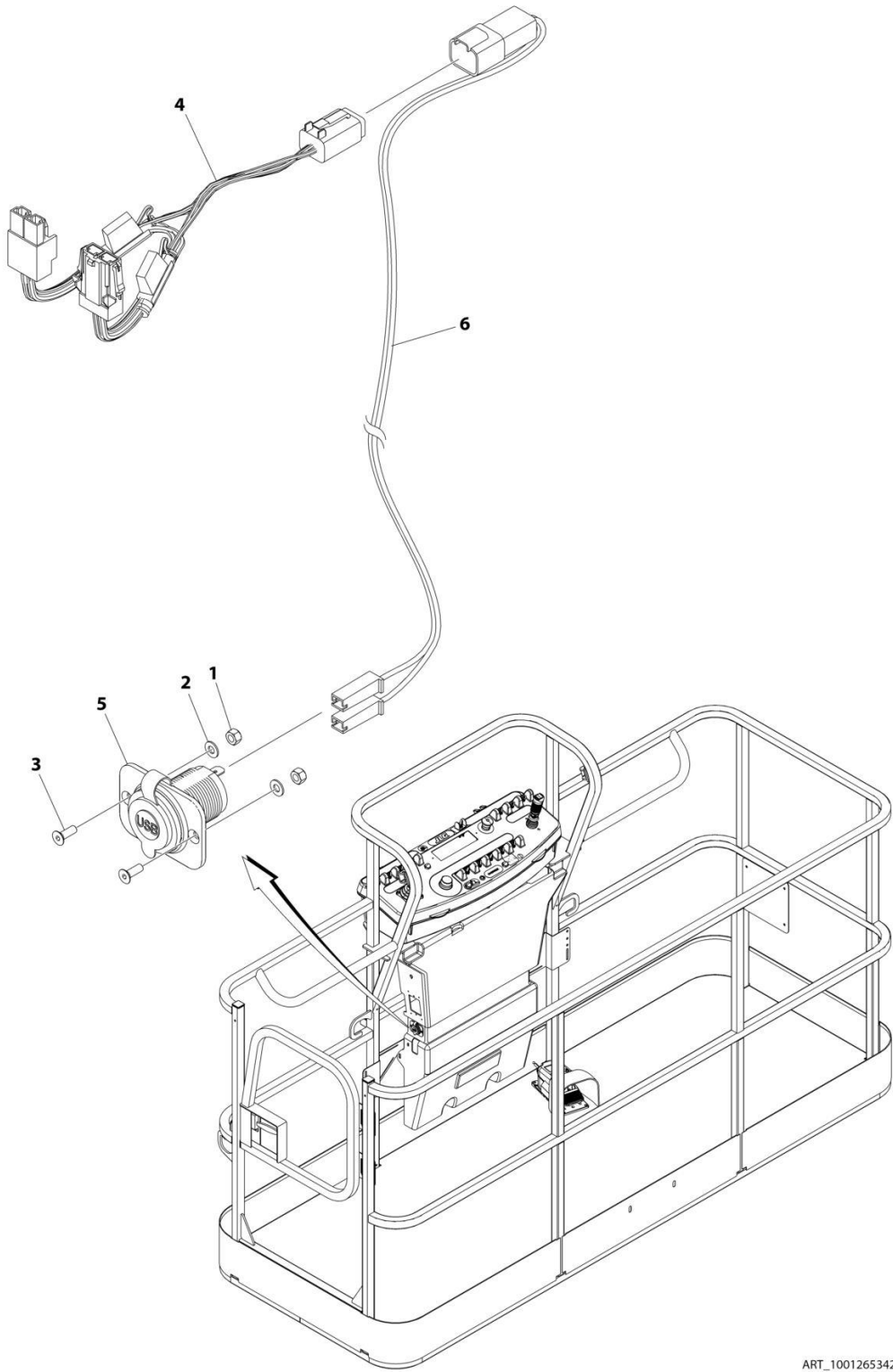
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FIGURE 5-24. FALL ARREST INSTALLATION (BOLT-ON) (5FT/1.52M PLATFORM)

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 - Incrption	
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	

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FIGURE 5-25. USB CHARGER INSTALLATION



ART_1001265342

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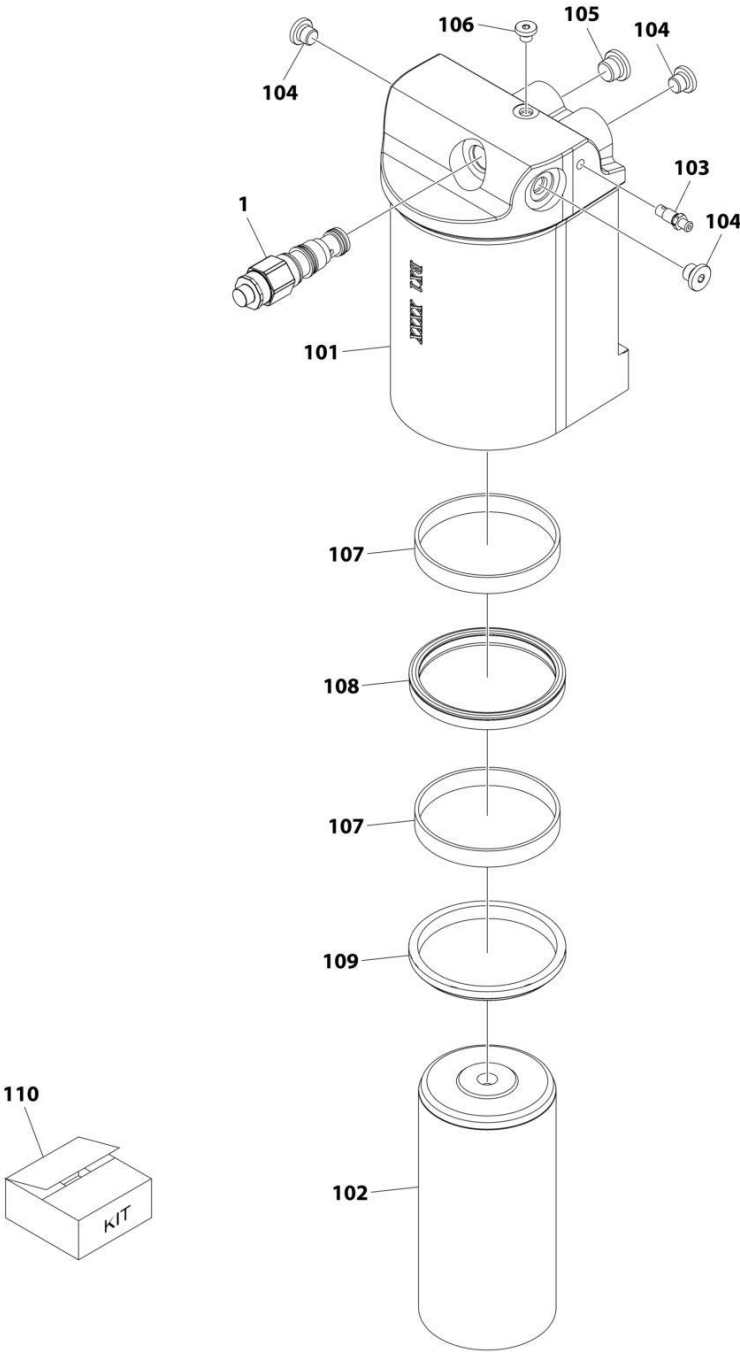
FIGURE 5-25. USB CHARGER INSTALLATION

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

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FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY



ART_1001256179

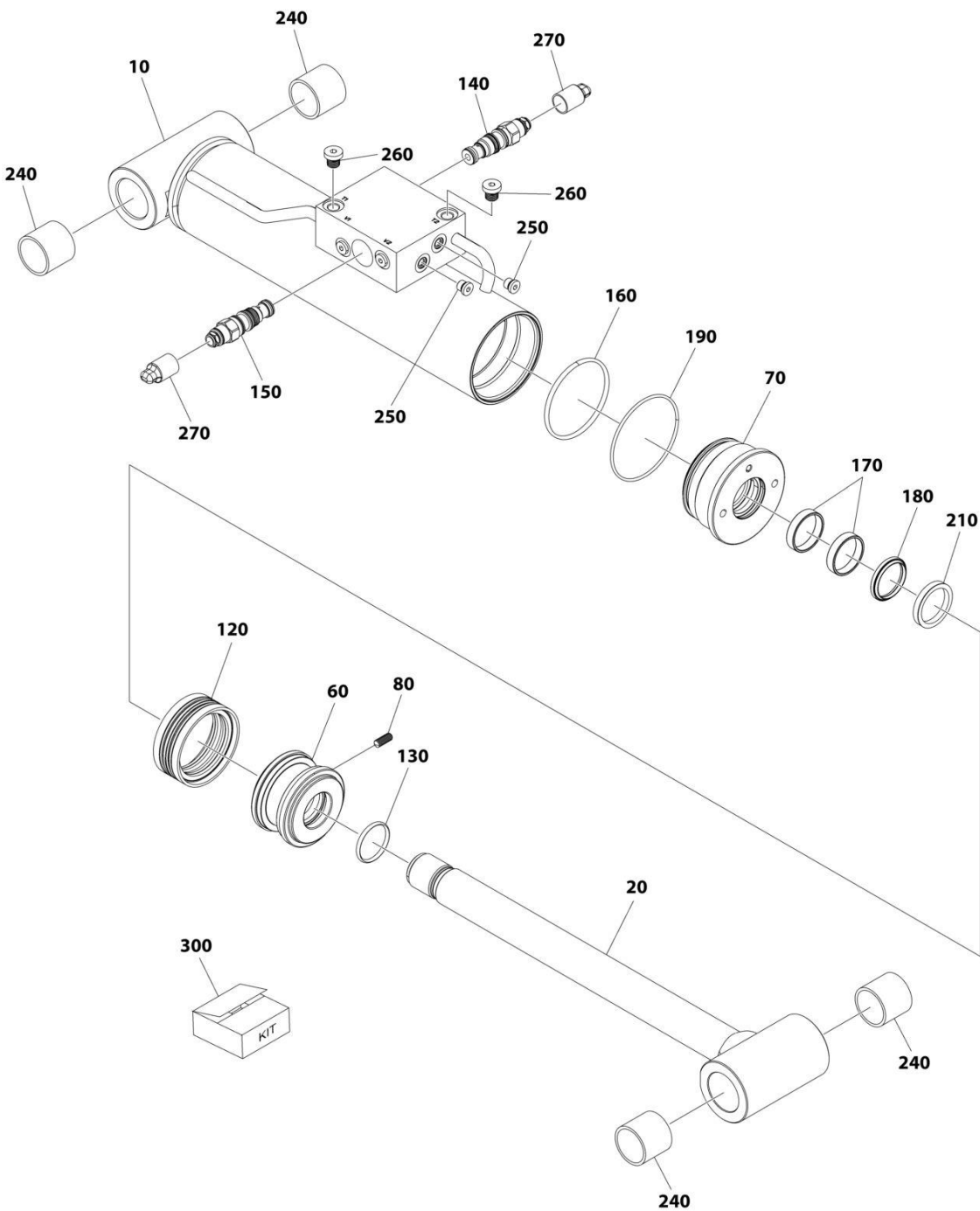
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FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256179	Ref	MASTER CYLINDER ASSEMBLY	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1001117372	1	Cartridge, Valve	
1	70002842	1	Seal Kit - 1001117372	
101	See Note	NSS	Tube (Note: Not Available for Purchase)	
102	70008244	1	Rod	
103	70008246	1	Plug, Bleeder	
104	2220883	3	Plug 7/16	
105	2220885	1	Plug 9/16	
106	2220881	1	Plug 5/16	
107	See Note	NSS	Ring, Wear (Note: Use Item 110)	
108	See Note	NSS	Seal, Rod (Note: Use Item 110)	
109	See Note	NSS	Wiper, Rod (Note: Use Item 110)	
110	70008247	1	Seal Kit (Includes Items 107-109)	

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FIGURE 6-2. LEVEL CYLINDER ASSEMBLY



ART_1001255971

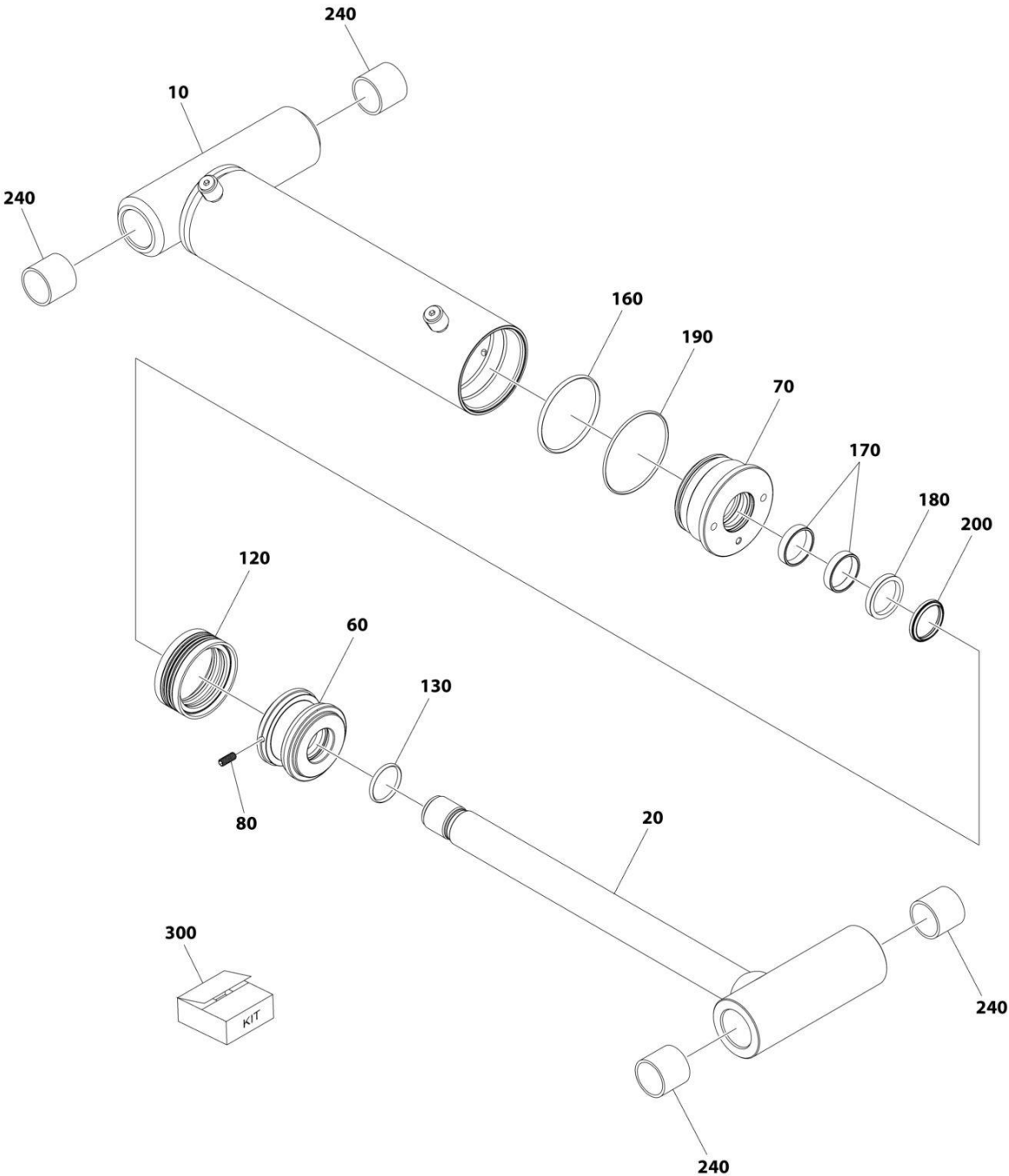
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FIGURE 6-2. LEVEL CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255971	Ref	CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
10	See Note	NSS	Barrel	
20	70007728	1	Rod	
60	70007720	1	Piston Head	
70	70007721	1	Screwed Gland	
80	70007722	1	Screw M8	
120	See Note	NSS	Piston Seal (Note: Use Item 300)	
130	See Note	NSS	O-Ring (Note: Use Item 300)	
140	1001168209	1	Counterbalance, Valve	
140	2900770	1	Seal Kit - 1001168209 Valve	
150	1001168210	1	Counterbalance, Valve	
150	2900770	1	Seal Kit - 1001168210 Valve	
160	See Note	NSS	O-Ring (Note: Use Item 300)	
170	See Note	NSS	Ring (Note: Use Item 300)	
180	See Note	NSS	Seal (Note: Use Item 300)	
190	See Note	NSS	O-Ring (Note: Use Item 300)	
210	See Note	NSS	Wiper (Note: Use Item 300)	
240	70007723	4	Bushing	
250	70025619	2	Plug	
260	70024262	2	Plug	
300	70007729	1	Seal Kit - 1001255971 Cylinder (Includes Items 120 ,130 & 160-210)	

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FIGURE 6-3. MASTER CYLINDER ASSEMBLY



ART_1001255970

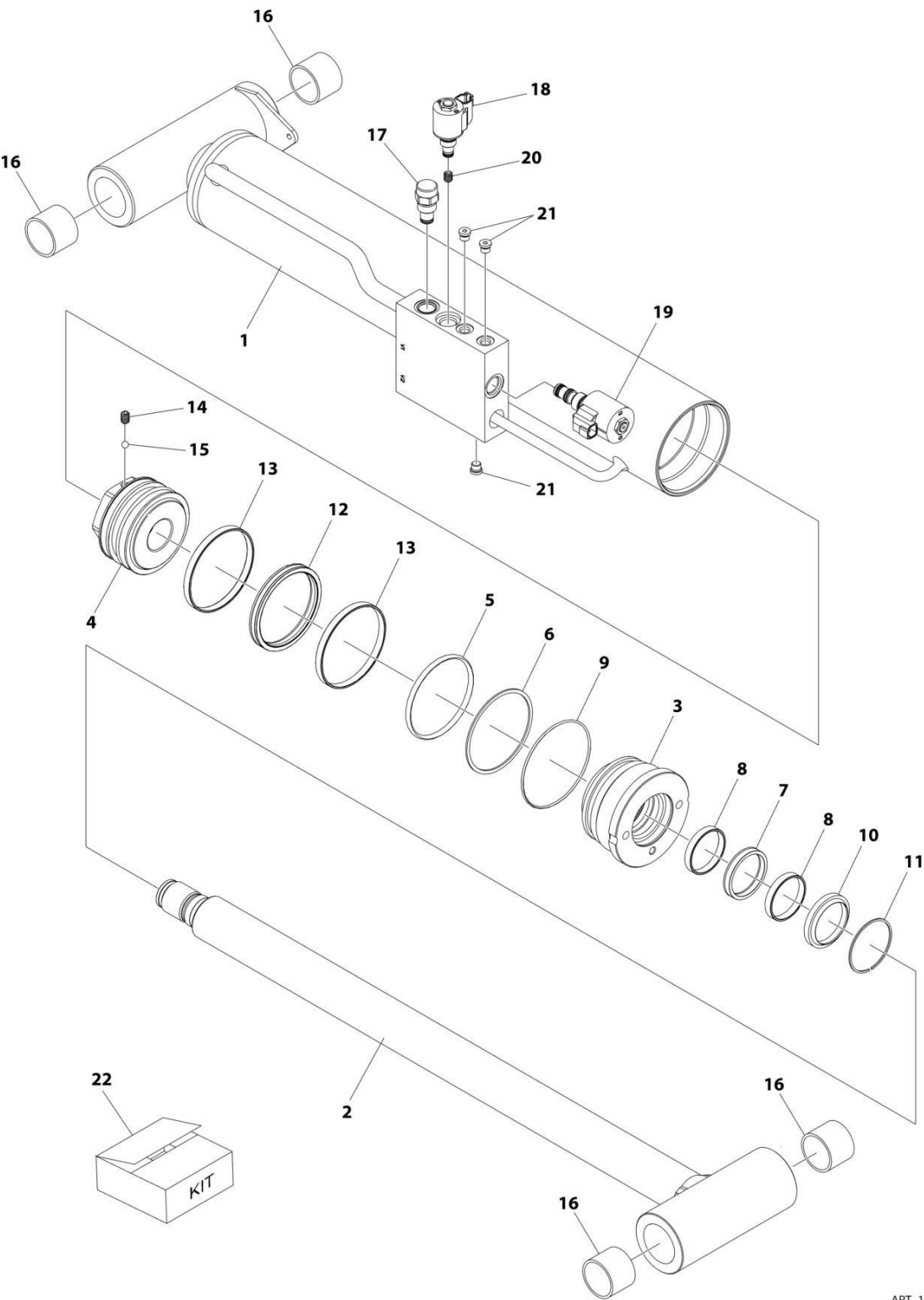
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FIGURE 6-3. MASTER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255970	Ref	CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
10	See Note	NSS	Barrel	
20	70007719	1	Rod	
60	70007720	1	Piston Head	
70	70007721	1	Screwed Gland	
80	70007722	1	Screw M8	
120	See Note	NSS	Piston Seal (Note: Use Item 300)	
130	See Note	NSS	O-Ring (Note: Use Item 300)	
160	See Note	NSS	O-Ring (Note: Use Item 300)	
170	See Note	NSS	Ring (Note: Use Item 300)	
180	See Note	NSS	Seal (Note: Use Item 300)	
190	See Note	NSS	O-Ring (Note: Use Item 300)	
200	See Note	NSS	Wiper (Note: Use Item 300)	
240	70007723	4	Bushing	
300	70007724	1	Seal Kit - 1001255971 Cylinder (Includes Items 120 ,130 & 160-200)	

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FIGURE 6-4. LIFT CYLINDER ASSEMBLY



ART_1001255973

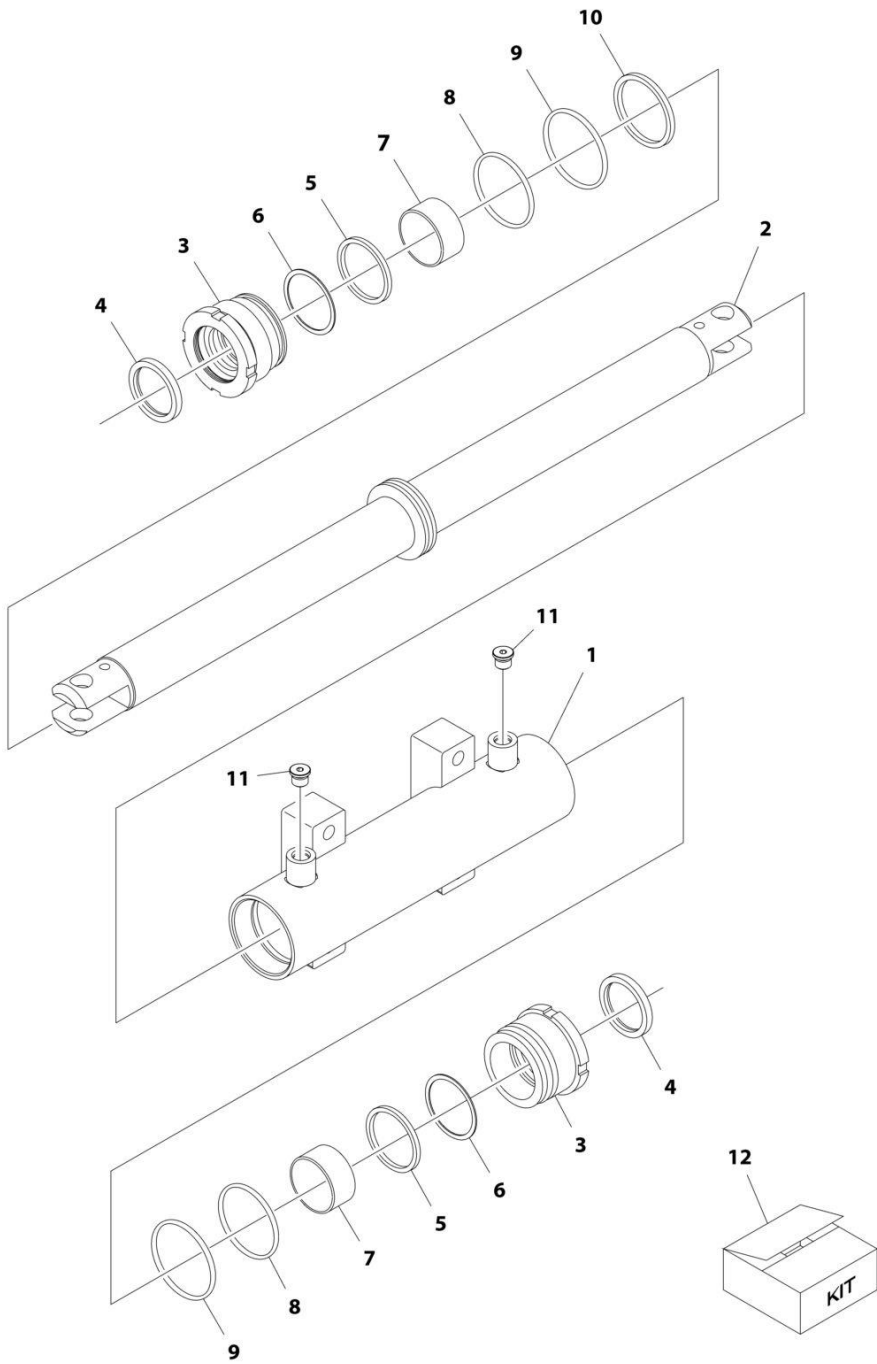
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FIGURE 6-4. LIFT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255973	Ref	LIFT CYLINDER ASSEMBLY - UPPER LIFT	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	NSS	1	Barrel	
2	70007731	1	Rod	
3	70007732	1	Head	
4	70007733	1	Piston	
5	See Note	1	O-Ring (Note: Use Item 22)	
6	See Note	1	Ring, Back-up (Note: Use Item 22)	
7	See Note	1	Seal, Rod (Note: Use Item 22)	
8	See Note	2	Ring, Bearing (Note: Use Item 22)	
9	See Note	1	O-Ring (Note: Use Item 22)	
10	See Note	1	Wiper (Note: Use Item 22)	
11	70025627	1	Ring, Snap	
12	See Note	1	Seal, Piston (Note: Use Item 22)	
13	See Note	2	Ring, Bearing (Note: Use Item 22)	
14	70007734	1	Setscrew	
15	70025614	1	Ball	
16	70007735	4	Bushing	
17	4641390	1	Cartridge, Check Valve	
17	7017496	1	Seal Kit - 4641390 Valve	
18	1001164709	1	Cartridge, Solenoid Valve (Includes Coil)	
18	70002386	1	Coil	
18	7017467	1	Cartridge, Solenoid Valve Less Coil	
18	7012967	1	Seal Kit - 1001164709 & 7017467 Valves	
19	1001206625	1	Cartridge, Solenoid Valve (Includes Coil)	
19	70003788	1	Coil	
19	70006104	1	Cartridge, Solenoid Valve Less Coil	
19	70006105	1	Seal Kit - 1001206625 & 70006104 Valves	
19	7022390	1	Nut, Coil	
20	70007736	1	Plug, Orifice	
21	70025619	3	Plug	
22	70007737	1	Seal Kit (Includes Items 5-10, 12 & 13)	

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FIGURE 6-5. STEER CYLINDER ASSEMBLY



ART_1001163178

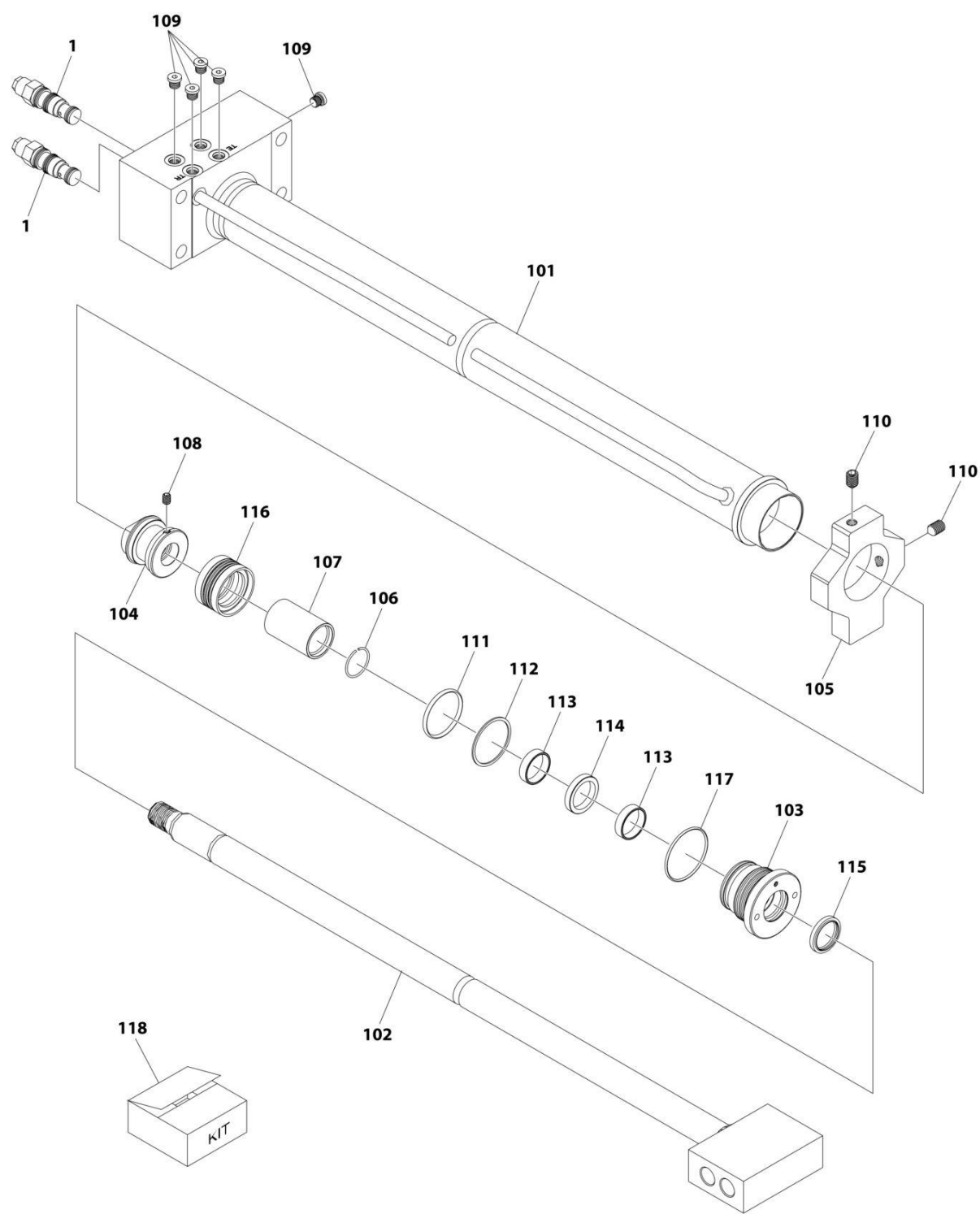
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FIGURE 6-5. STEER CYLINDER ASSEMBLY

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

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FIGURE 6-6. TELESCOPE CYLINDER ASSEMBLY



ART_1001266711

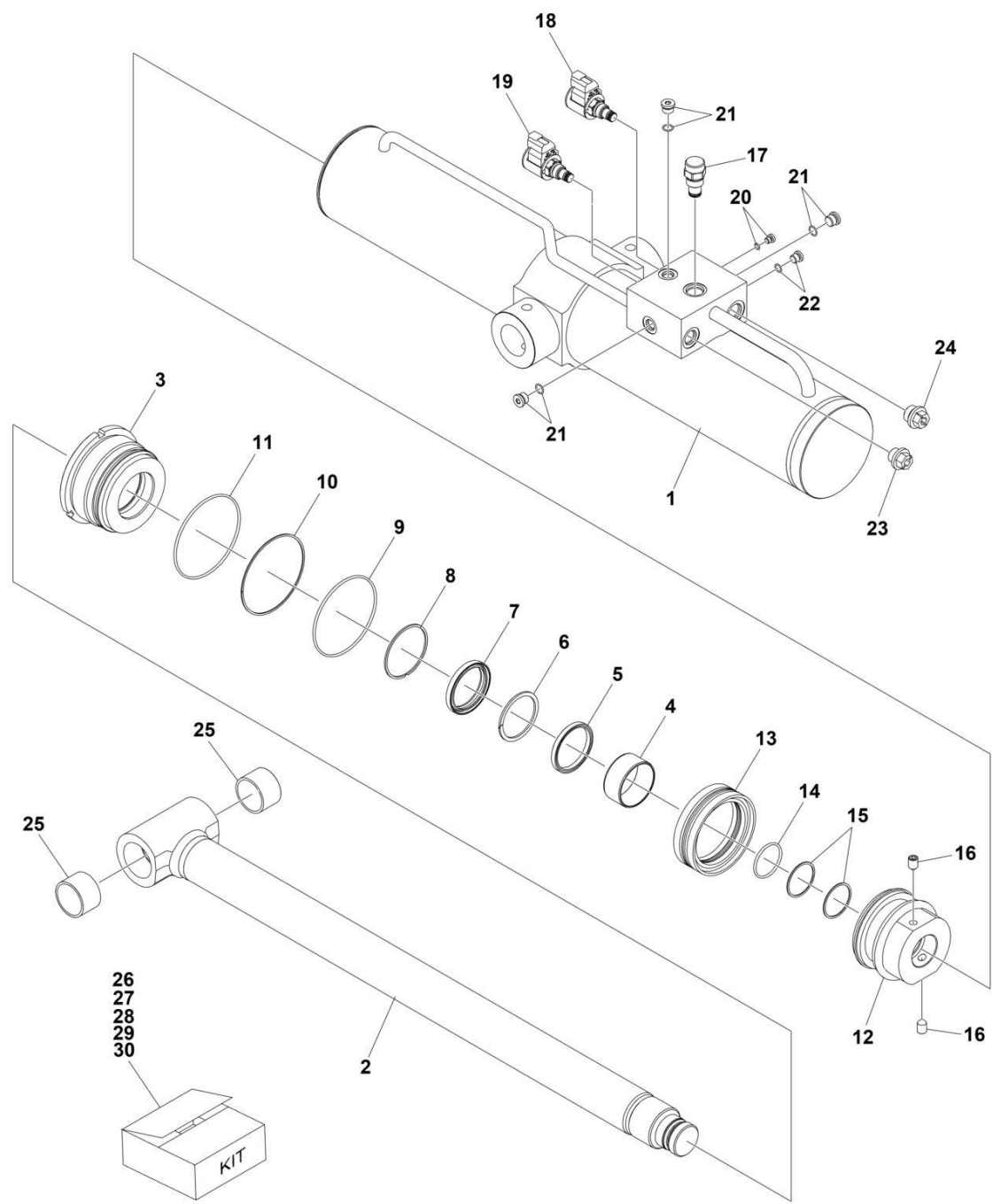
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FIGURE 6-6. TELESCOPE CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266711	Ref	TELESCOPE CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	4640771	2	Valve, Motor Control	
1	2900770	2	Seal Kit - 4640771 Valve	
101	See Note	NSS	Barrel (Note: Not Available for Purchase)	
102	See Note	NSS	Rod (Note: Not Available for Purchase)	
103	70008135	1	Head	
104	70008136	1	Piston	
105	70008137	1	Mount	
106	70008138	1	Ring, Wire	
107	70008139	1	Spacer	
108	70027088	1	Setscrew	
109	70025619	5	Plug	
110	70008140	2	Setscrew	
111	See Note	NSS	O-Ring (Note: Use Item 118)	
112	See Note	NSS	Ring, Backup (Note: Use Item 118)	
113	See Note	NSS	Ring (Note: Use Item 118)	
114	See Note	NSS	Seal, Head (Note: Use Item 118)	
115	See Note	NSS	Seal, Wiper (Note: Use Item 118)	
116	See Note	NSS	Seal (Note: Use Item 118)	
117	See Note	NSS	O-Ring (Note: Use Item 118)	
118	70008141	1	Seal Kit (Includes Items 111-117)	

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FIGURE 6-7. TOWER LIFT CYLINDER



ART_1001255968

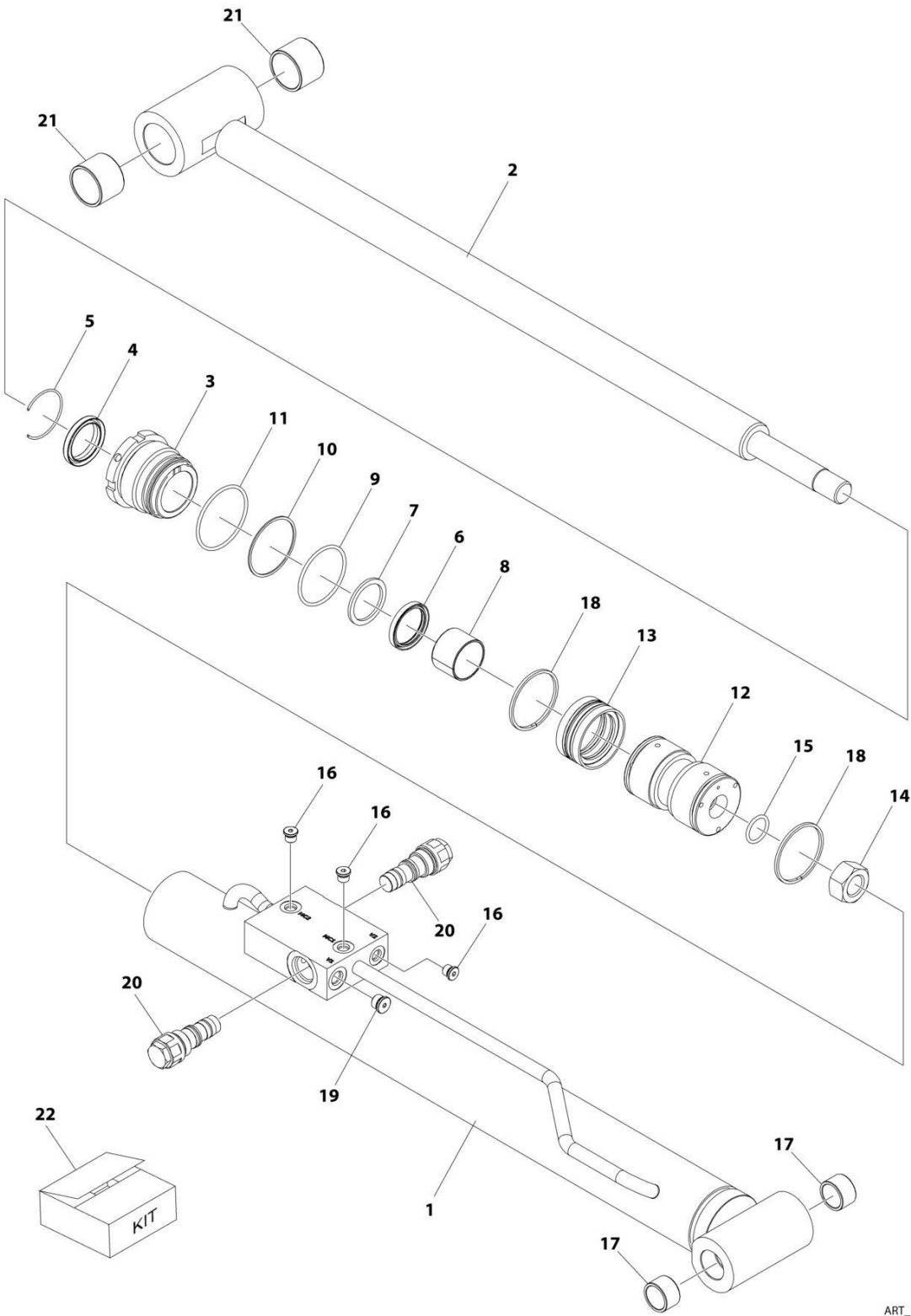
SECTION 6 - CYLINDER

FIGURE 6-7. TOWER LIFT CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255968	Ref	TOWER LIFT CYLINDER	D
1	NSS	1	Barrel	
2	NSS	1	Rod (Note: Use Item 26)	
3	NSS	1	Head (Note: Use Item 27)	
4	NSS	1	Bushing (Note: Use Item 27)	
5	NSS	1	Seal Kit (Note: Use Item 28)	
6	NSS	1	Ring (Note: Use Item 28)	
7	NSS	1	Wiper (Note: Use Item 28)	
8	NSS	1	Ring, Retaining (Note: Use Item 28)	
9	NSS	1	O-Ring (Note: Use Item 28)	
10	NSS	1	Ring, Back-up (Note: Use Item 28)	
11	NSS	1	O-Ring (Note: Use Item 28)	
12	NSS	1	Piston (Note: Use Item 28)	
13	NSS	1	Seal (Note: Use Item 28)	
14	NSS	1	O-Ring (Note: Use Item 28)	
15	NSS	1	Ring, Back-up (Note: Use Item 28)	
16	NSS	1	Setscrew (Note: Use Item 28)	
17	4641390	1	Cartridge, Check Valve	
17	7017496	1	Seal Kit - 4641390 Valve	
18	1001164709	1	Cartridge, Solenoid Valve (Including Coil)	
18	7017467	1	Cartridge, Solenoid Valve (Less Coil)	
18	7012998	1	Seal Kit - 1001164709 & 7017467 Valves	
18	70002386	1	Coil	
19	1001166208	1	Cartridge, Solenoid Valve (Including Coil)	
19	7024884	1	Cartridge, Solenoid Valve (Less Coil)	
19	7012967	1	Seal Kit - 1001166208& 7024884 Valves	
20	NSS	1	Plug + O-Ring (Note: Use Item 30)	
21	NSS	1	Plug + O-Ring (Note: Use Item 30)	
22	NSS	1	Plug + O-Ring (Note: Use Item 30)	
23	NSS	1	Dust Cap	
24	NSS	1	Dust Cap	
25	NSS	1	Bushing (Note: Use Item 26)	
26	70007743	1	Rod Kit (Includes Items 2 & 25)	
27	70007744	1	Head Kit (Includes Items 3 & 4)	
28	70007745	1	Seal Kit (Includes Items 5-11 & 13-15)	
29	70007746	1	Piston Kit (Includes Items 12 & 16)	
30	70007747	1	Plug Kit (Includes Items 20 - 22)	

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FIGURE 6-8. LIFT JIB CYLINDER ASSEMBLY



ART_1001255969

SECTION 6 - CYLINDER

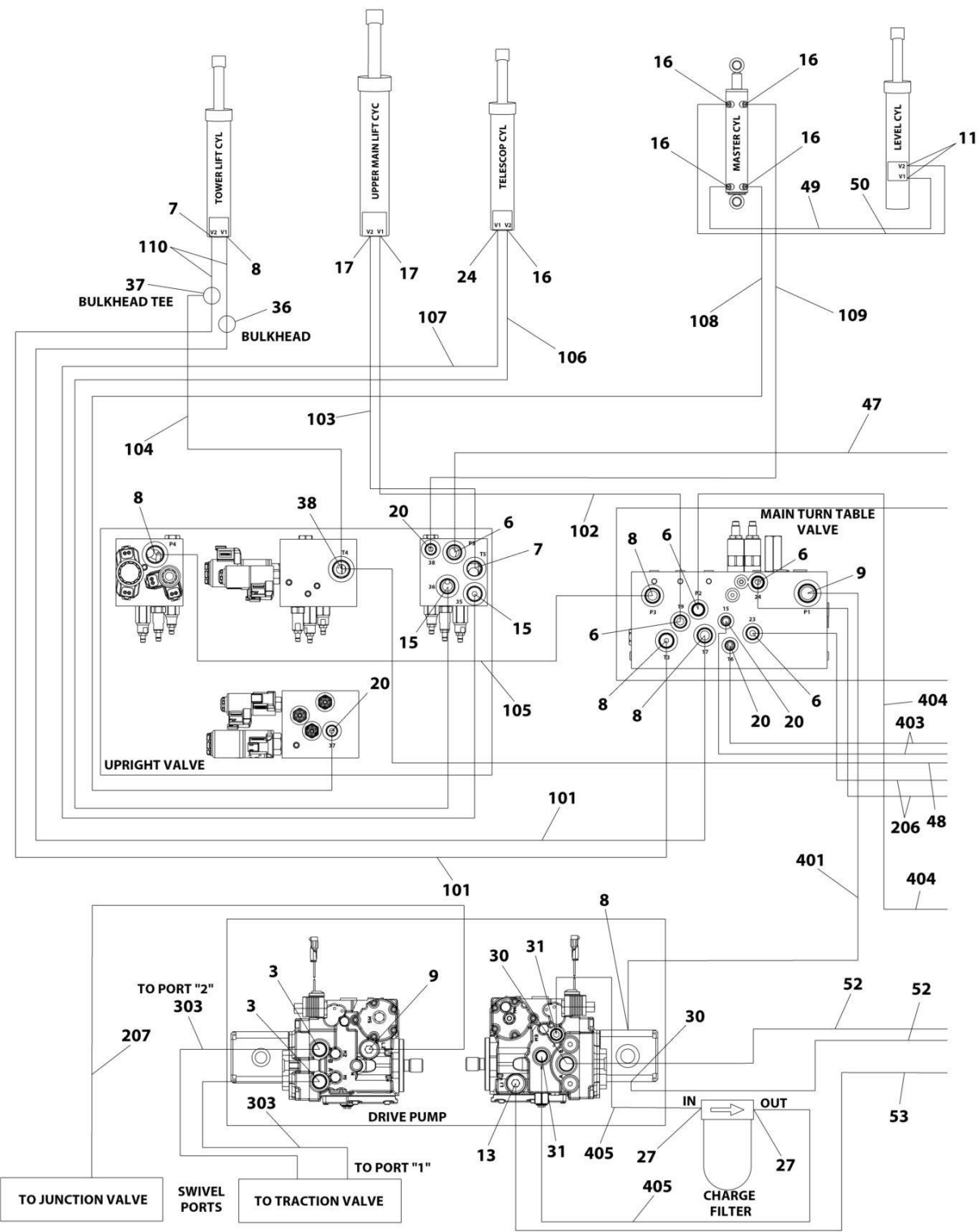
FIGURE 6-8. LIFT JIB CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255969	Ref	LIFT CYLINDER ASSEMBLY - JIB	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	NSS	1	Barrel	
2	70007738	1	Rod	
3	70007739	1	Head	
4	See Note	1	Wiper (Note: Use Item 220)	
5	70002373	1	Ring, Retaining	
6	See Note	1	Seal, Rod (Note: Use Item 220)	
7	See Note	1	Ring, Back-up (Note: Use Item 220)	
8	70005143	1	Bearing, Dry	
9	See Note	1	O-Ring (Note: Use Item 220)	
10	See Note	1	Ring, Back-up (Note: Use Item 220)	
11	See Note	1	O-Ring (Note: Use Item 220)	
12	70007740	1	Piston	
13	See Note	1	Seal, Piston (Note: Use Item 220)	
14	70002335	1	Nut	
15	See Note	1	O-Ring (Note: Use Item 220)	
16	2220883	3	Plug	
17	0962292	2	Bearing	
18	70007741	2	Ring, Piston	
19	2220885	1	Plug	
20	4640509	2	Cartridge, Valve	
20	2900792	2	Seal Kit - 4640509 Valve	
21	0961948	2	Bearing	
22	70007742	1	Seal Kit (Includes Items 4,6,7,9-11,13 & 15)	

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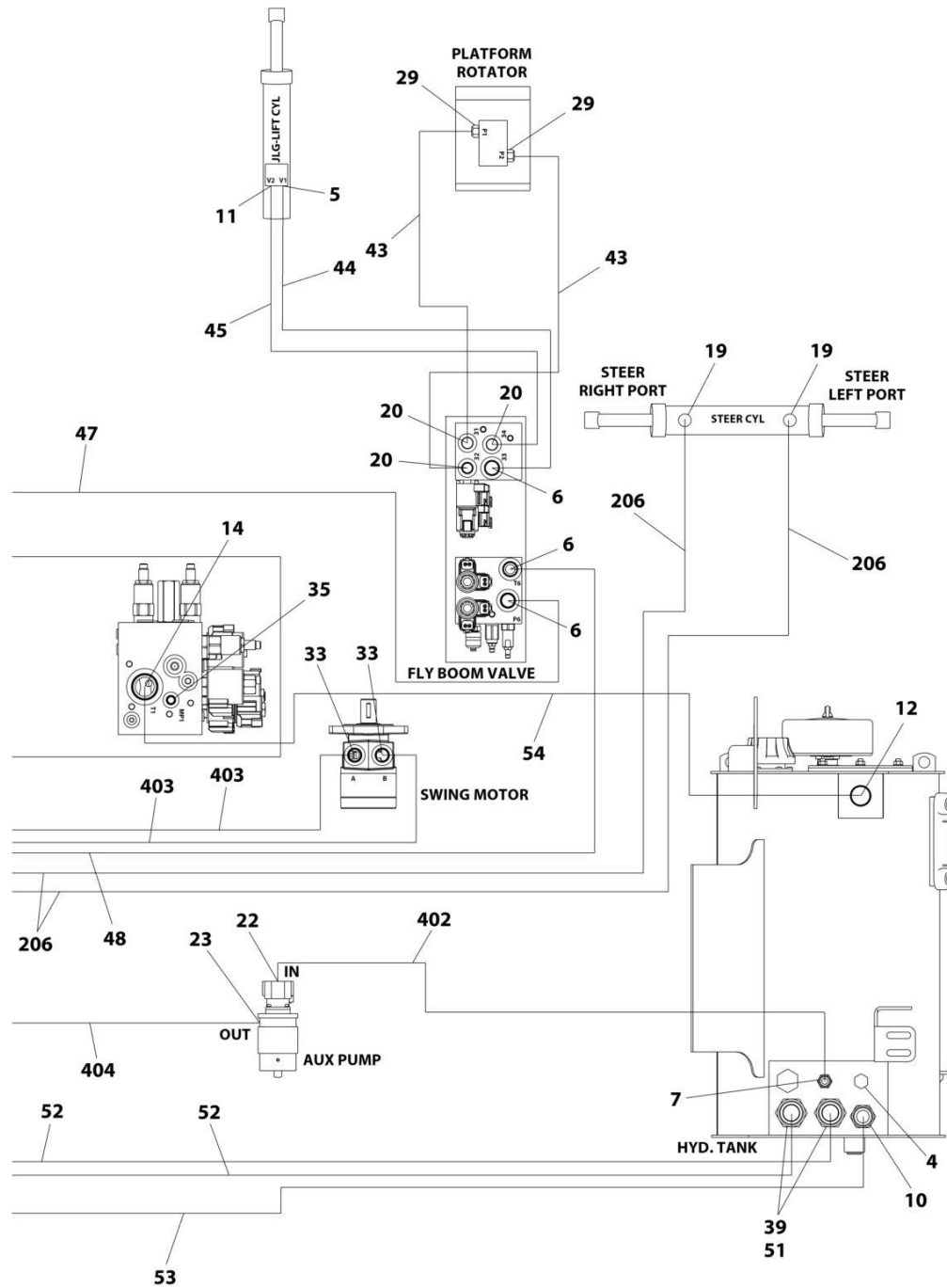
SECTION 7 - HYDRAULIC

FIGURE 7-1. HYDRAULIC SYSTEM INSTALLATION



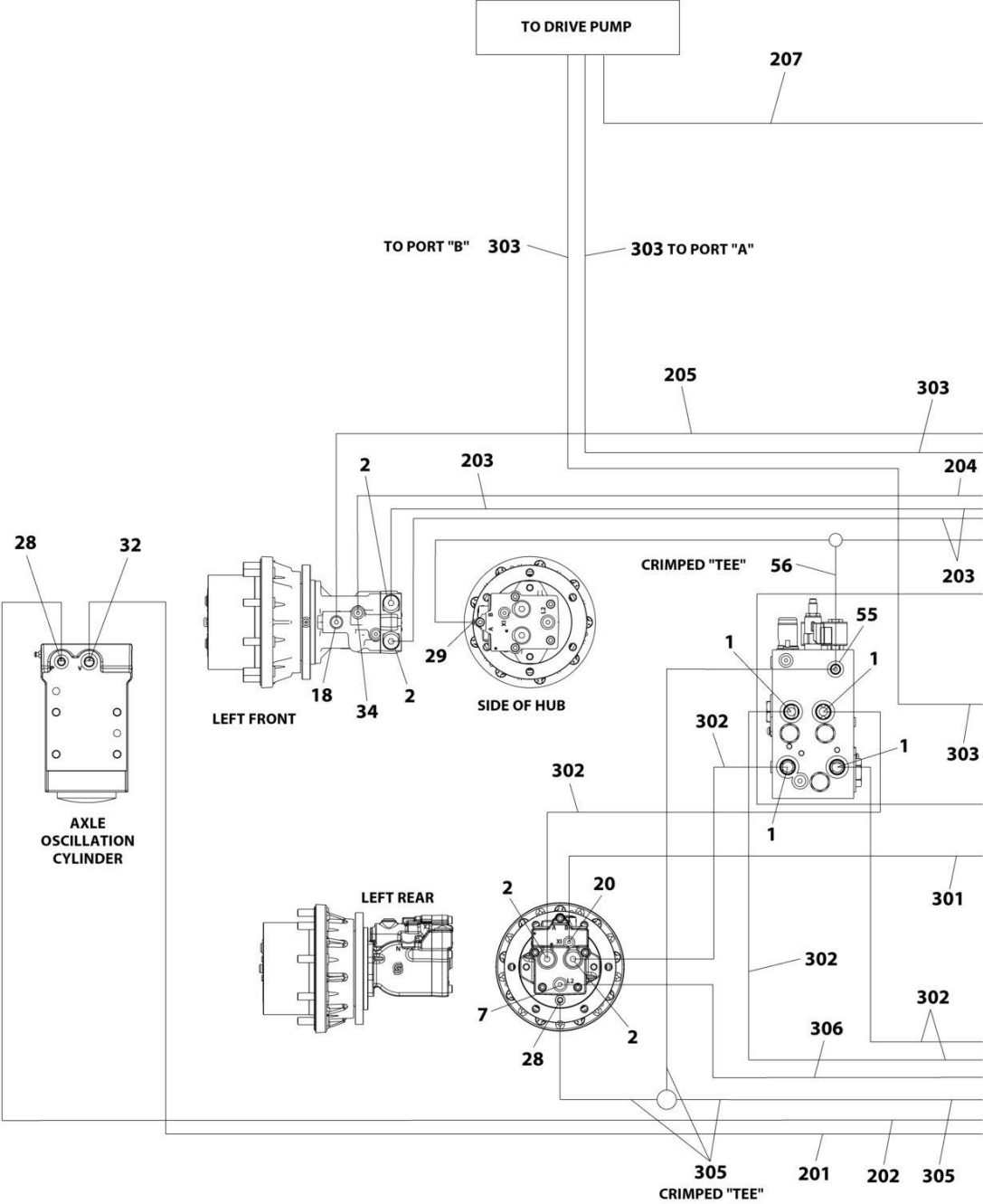
ART_1001255412_10F4

SECTION 7 - HYDRAULIC



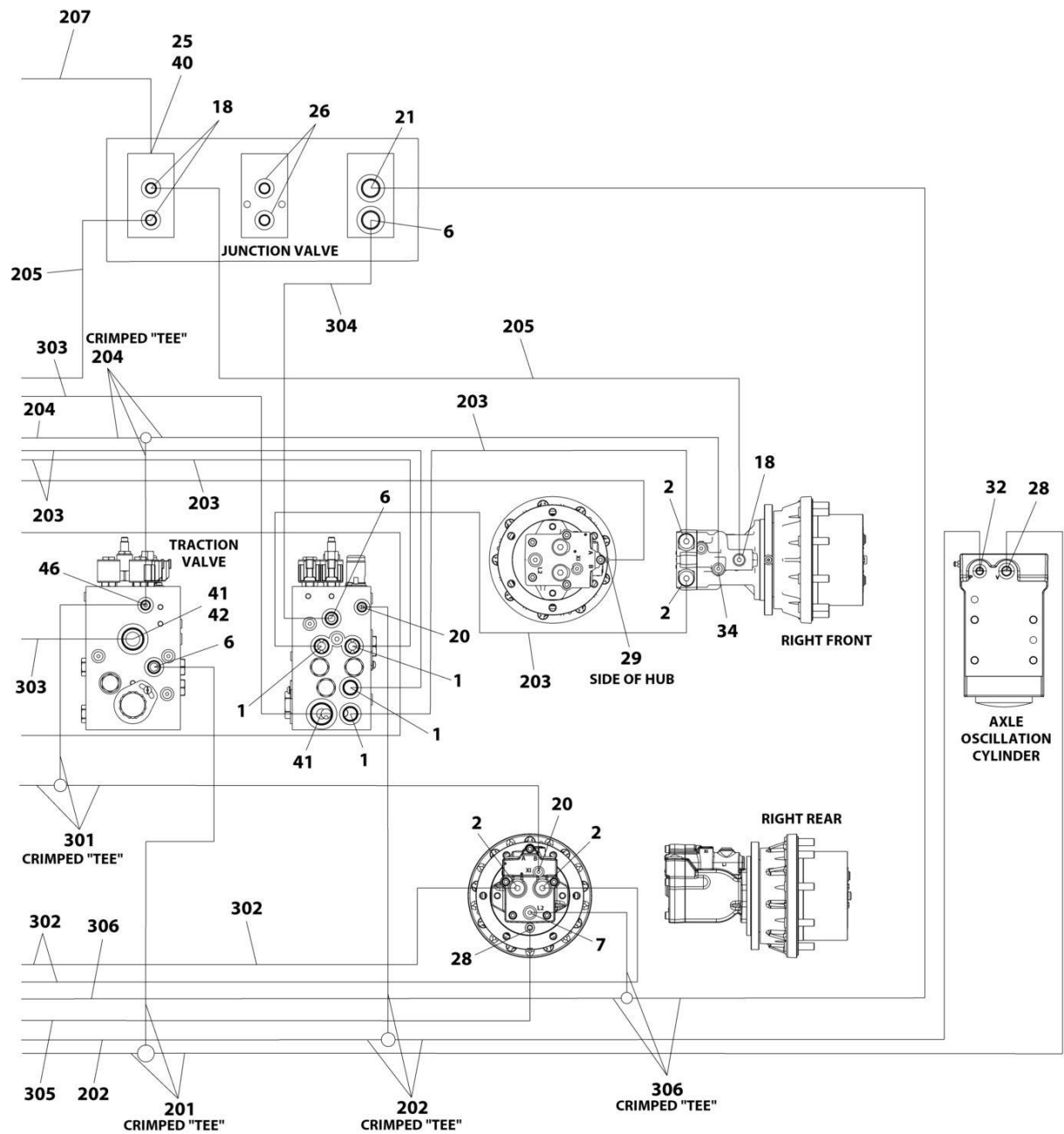
ART_1001255412_2OF4

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ART_1001255412_3OF4

SECTION 7 - HYDRAULIC



ART_1001255412_4OF4

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FIGURE 7-1. HYDRAULIC SYSTEM INSTALLATION

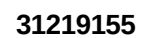
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255412	Ref	HYDRAULIC SYSTEM INSTALLATION	C
1	2110810	8	Fitting, Straight ORFS/ORB	
2	2110812	8	Fitting, Straight ORFS/ORB	
3	2151212	2	Fitting, 45 ORFS/ORB	
4	2220238	1	Plug	
5	2220371	1	Fitting, Straight JIC/ORB	
6	2220372	11	Fitting, Straight JIC/ORB	
7	2220373	5	Fitting, Straight JIC/ORB	
8	2220374	6	Fitting, Straight JIC/ORB	
9	2220375	2	Fitting, Straight JIC/ORB	
10	2220377	1	Fitting, Straight JIC/ORB	
11	2220415	3	Fitting, Straight JIC/ORB	
12	2220435	1	Fitting, Straight JIC/ORB	
13	2220451	1	Fitting, Straight JIC/ORB	
14	2220465	1	Fitting, 90 JIC/ORB	
15	2220468	2	Fitting, Straight JIC/ORB	
16	2220472	5	Fitting, 90 JIC/ORB	
17	2220497	2	Fitting, Straight JIC/ORB	
18	2220500	4	Fitting, 45 JIC/ORB	
19	2220501	2	Fitting, 45 JIC/ORB	
20	2220582	10	Fitting, Straight JIC/ORB	
21	2220596	1	Fitting, 90 JIC/ORB	
22	2220600	1	Fitting, Straight JIC/ORB	
23	2220603	1	Fitting, Straight JIC/ORB	
24	2220628	1	Fitting, 90 JIC/ORB	
25	2220811	1	Fitting, Straight FORB/ORB	
26	2220883	2	Plug #4	
27	2220906	2	Fitting, 90 JIC/ORB	
28	2220923	4	Fitting, Straight JIC/ORB	
29	2220940	4	Fitting, Elbow	
30	2220946	2	Fitting, Straight JIC/ORB	
31	2220947	2	Fitting, Straight JIC/ORB	
32	2220998	2	Fitting, Straight JIC/ORB	
33	2221033	2	Fitting, Straight JIC/ORB	
34	2221040	2	Fitting, 45 JIC/ORB	
35	2221086	1	Fitting, Diagnostic	
36	2230025	1	Fitting, Straight JIC/JIC	
37	8760477	1	Fitting, Tee JIC/JIC/JIC	
38	8770289	1	Fitting, Tee JIC/ORB/JIC	
39	80633030	2	Clamp, Hose	
40	1001119627	1	Fitting, Straight JIC/ORB	
41	1001142679	2	Fitting, Straight ORFS/ORB	
42	1001143936	1	Fitting, 90 FORB/ORB	
43	1001173046	2	Hose	
44	1001173048	1	Hose	
45	1001173049	1	Hose	
46	1001175024	1	Fitting, Tee JIC/JIC/ORB	
47	1001176299	1	Hose	
48	1001176300	1	Hose	
49	1001176301	1	Hose	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001176302	1	Hose	
51	1001202910	2	Fitting, Straight MORB	
52	1001207335	2	Hose	
53	1001207336	1	Hose	
54	1001210356	1	Tube	
55	1001210823	1	Fitting	
56	1001255930	1	Hose	
100	1001194424	1	Hose Kit - Lower (Not Shown)	
101	1001173006	2	Hose	
102	1001173034	1	Hose	
103	1001173035	1	Hose	
104	1001173036	1	Hose	
105	1001173037	1	Hose	
106	1001173038	1	Hose	
107	1001173039	1	Hose	
108	1001173042	1	Hose	
109	1001173043	1	Hose	
110	1001180035	2	Hose	
200	1001194427	1	Hose Kit - Front (Not Shown)	
201	1001173053	1	Hose	
202	1001173054	1	Hose	
203	1001173055	4	Hose	
204	1001173056	1	Hose	
206	1001173057	2	Hose	
206	1001173058	2	Hose	
207	1001173066	1	Hose	
300	1001267278	1	Hose Kit - Rear (Not Shown)	
301	1001173052	1	Hose	
302	1001173059	4	Hose	
303	1001173062	2	Hose	
304	1001197039	1	Hose	
305	1001267275	1	Hose	
306	1001267277	1	Hose	
400	1001252926	1	Hose Kit - Turntable (Not Shown)	
401	2752504	1	Hose	
402	2752519	1	Hose	
403	1001173027	2	Hose	
404	1001173028	1	Hose	
405	1001173029	2	Hose	

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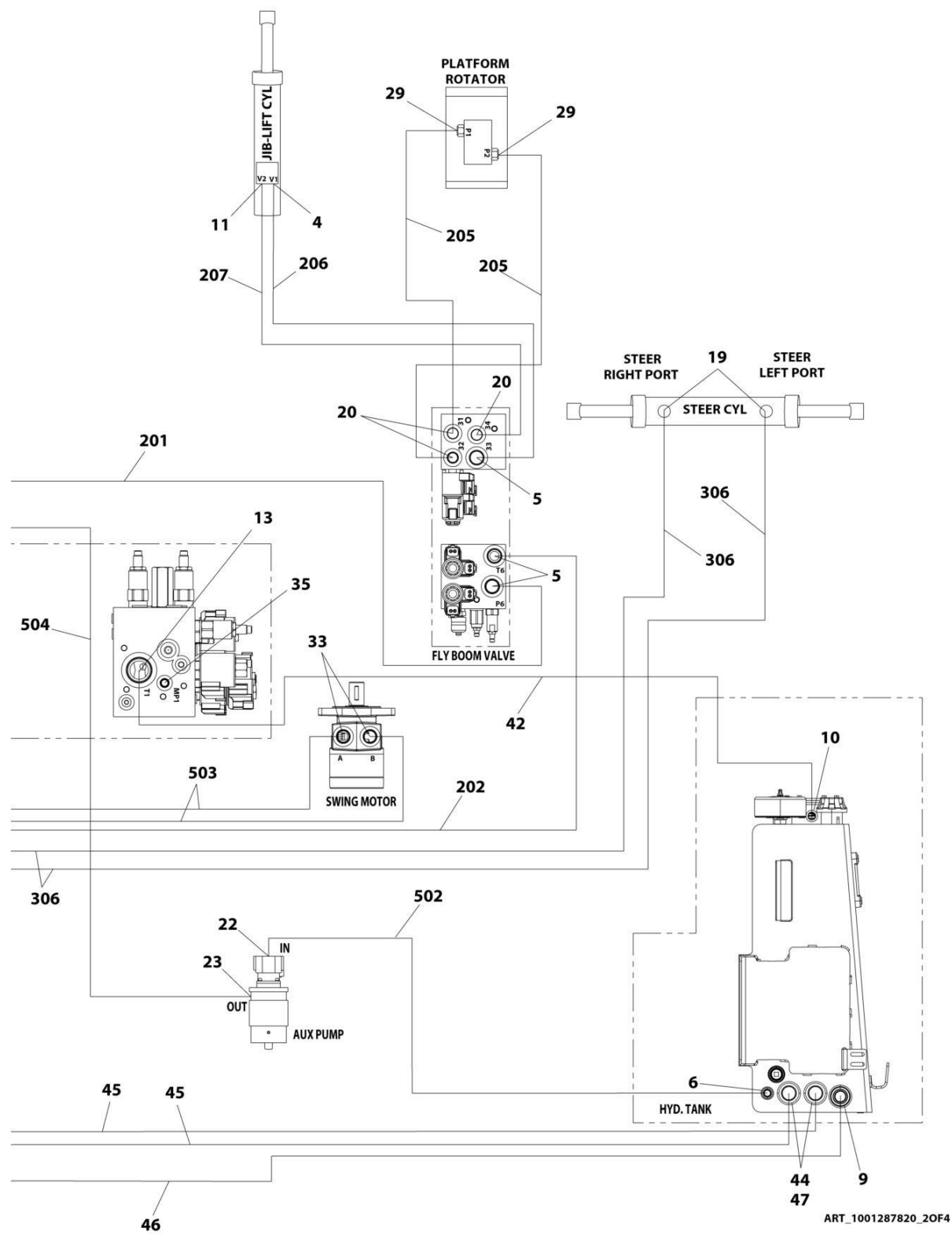
520AJ HC3



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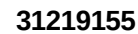
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FIGURE 7-3. HYDRAULIC SYSTEM INSTALLATION - 450AJ 4WD



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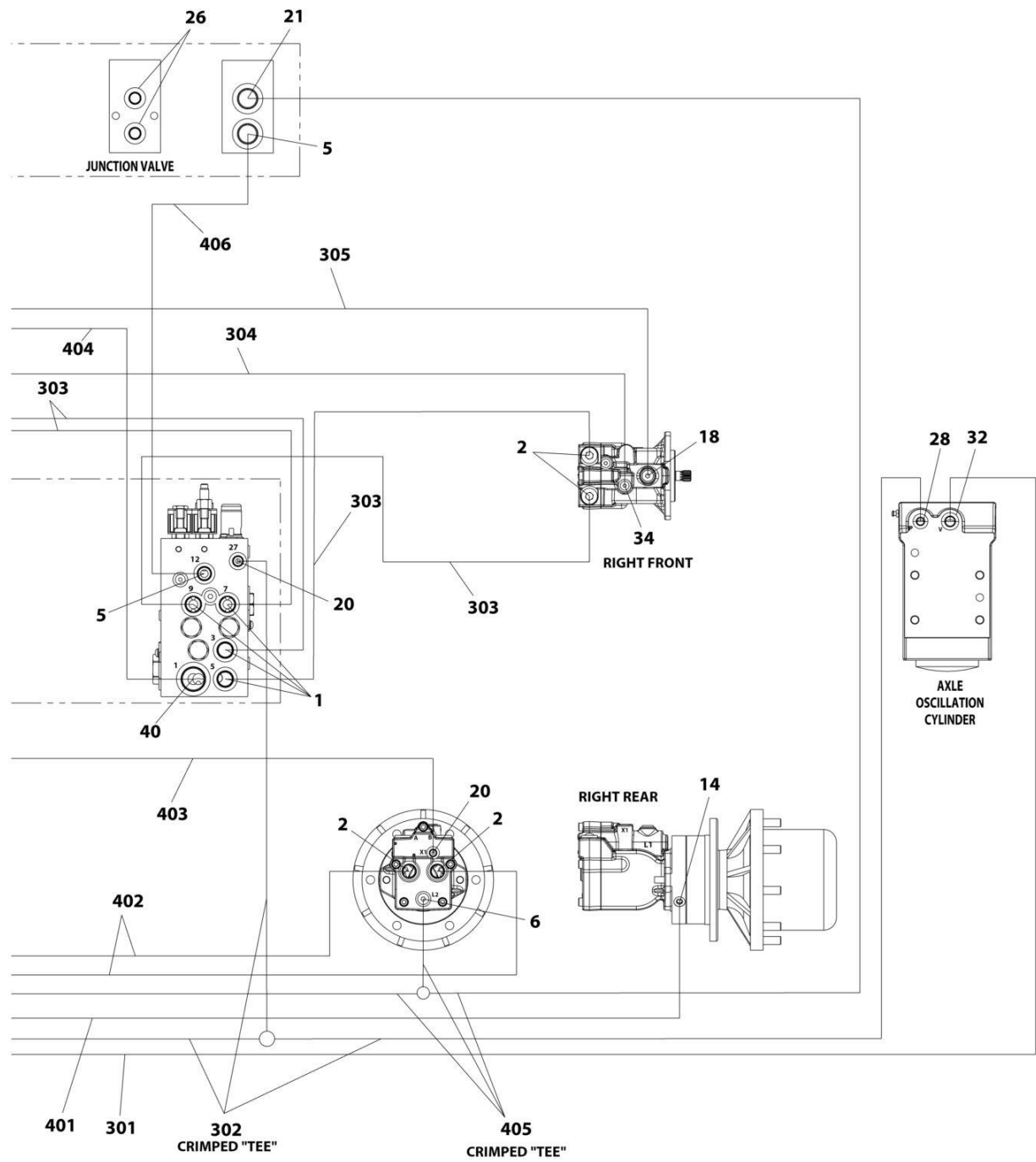
520AJ HC3



ART_1001287820_3OF4

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FIGURE 7-5. HYDRAULIC SYSTEM INSTALLATION - 450AJ 4WD



ART_1001287820_40F4

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FIGURE 7-5. HYDRAULIC SYSTEM INSTALLATION - 450AJ 4WD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287820	Ref	4WD HYDRAULIC SYSTEM INSTALLATION	A
1	2110810	8	Fitting, Straight ORFS/ORB	
2	2110812	8	Fitting, Straight ORFS/ORB	
3	2151212	2	Fitting, 45 ORFS/ORB	
4	2220371	1	Fitting, Straight JIC/ORB	
5	2220372	11	Fitting, Straight JIC/ORB	
6	2220373	5	Fitting, Straight JIC/ORB	
7	2220374	6	Fitting, Straight JIC/ORB	
8	2220375	2	Fitting, Straight JIC/ORB	
9	2220377	1	Fitting, Straight JIC/ORB	
10	2220408	1	Fitting, Straight JIC/ORB	
11	2220415	3	Fitting, Straight JIC/ORB	
12	2220451	1	Fitting, Straight JIC/ORB	
13	2220465	1	Fitting, 90 JIC/ORB	
14	2220466	2	Fitting, 90 JIC/ORB	
15	2220468	2	Fitting, Straight JIC/ORB	
16	2220472	5	Fitting, 90 JIC/ORB	
17	2220497	2	Fitting, Straight JIC/ORB	
18	2220500	4	Fitting, 45 JIC/ORB	
19	2220501	2	Fitting, 45 JIC/ORB	
20	2220582	11	Fitting, Straight JIC/ORB	
21	2220596	1	Fitting, 90 JIC/ORB	
22	2220600	1	Fitting, Straight JIC/ORB	
23	2220603	1	Fitting, Straight JIC/ORB	
24	2220628	1	Fitting, 90 JIC/ORB	
25	2220811	1	Fitting, Straight FORB/ORB	
26	2220883	2	Plug #4	
27	2220906	2	Fitting, 90 JIC/ORB	
28	2220923	2	Fitting, Straight JIC/ORB	
29	2220940	2	Fitting, Elbow	
30	2220946	2	Fitting, Straight JIC/ORB	
31	2220947	2	Fitting, Straight JIC/ORB	
32	2220998	2	Fitting, Straight JIC/ORB	
33	2221033	2	Fitting, Straight JIC/ORB	
34	2221040	2	Fitting, 45 JIC/ORB	
35	2221086	1	Fitting, Diagnostic	
36	2230025	1	Fitting, Straight JIC/JIC	
37	8760477	1	Fitting, Tee JIC/JIC/JIC	
38	8770289	1	Fitting, Tee JIC/ORB/JIC	
39	1001119627	1	Fitting, Straight JIC/ORB	
40	1001142679	2	Fitting, Straight ORFS/ORB	
41	1001143936	1	Fitting, 90 FORB/ORB	
42	1001173631	1	Tube	
43	1001175024	1	Fitting, Tee JIC/JIC/ORB	
44	1001202910	2	Fitting, Straight MORB	
45	1001207335	2	Hose	
46	1001207336	1	Hose	
47	1001275635	2	Clamp, Hose	
100	1001194424	1	Hose Kit - Lower Boom (Not Shown)	
101	1001173006	2	Hose	

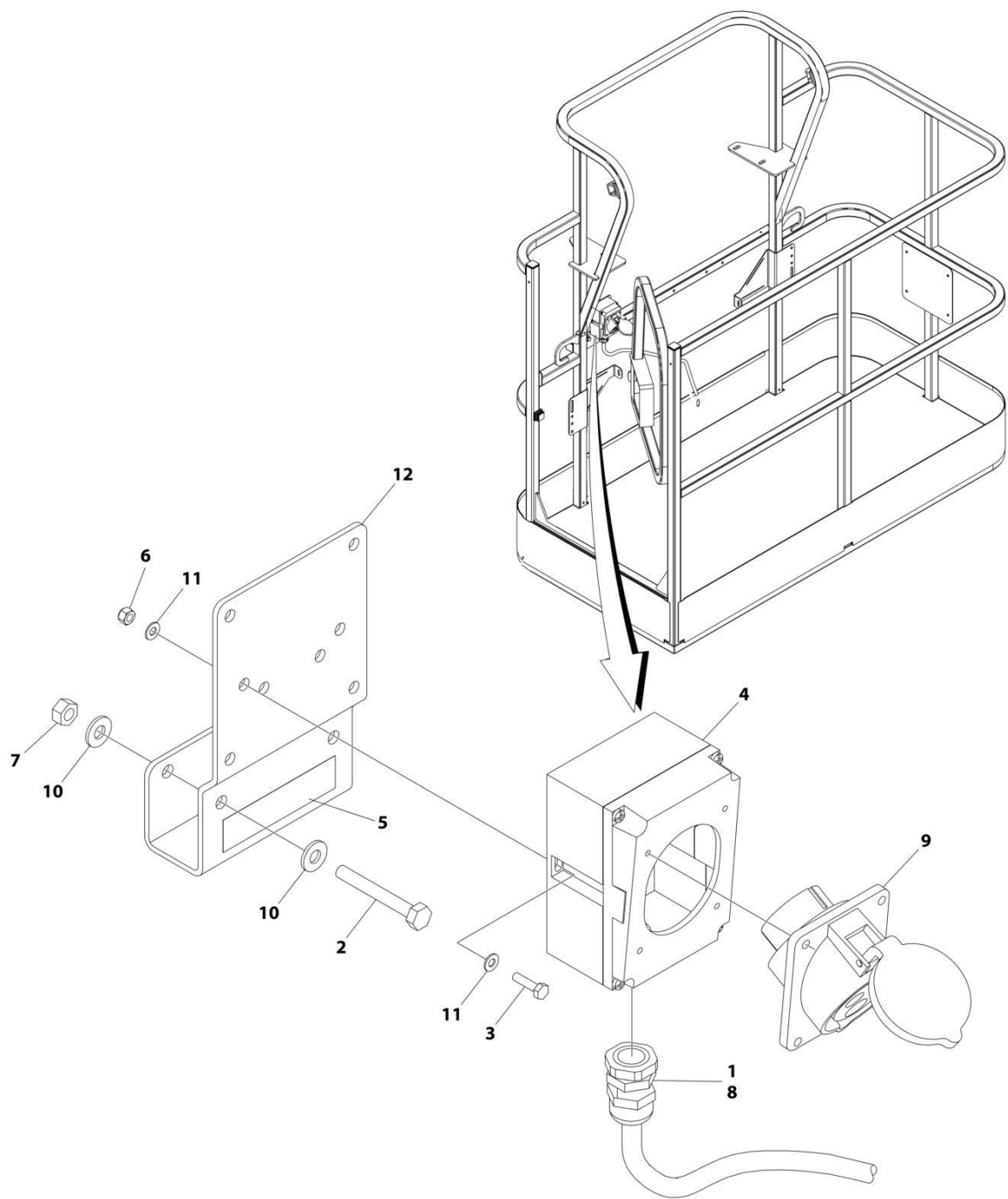
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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	1001173034	1	Hose	
103	1001173035	1	Hose	
104	1001173036	1	Hose	
105	1001173037	1	Hose	
106	1001173038	1	Hose	
107	1001173039	1	Hose	
108	1001173042	1	Hose	
109	1001173043	1	Hose	
110	1001180035	2	Hose	
200	1001194425	1	Hose Kit - Upper Boom (Not Shown)	
201	1001173040	1	Hose	
202	1001173041	1	Hose	
203	1001173044	1	Hose	
204	1001173045	1	Hose	
205	1001173046	2	Hose	
206	1001173048	1	Hose	
207	1001173049	1	Hose	
300	1001194427	1	Hose Kit - Front (Not Shown)	
301	1001173053	1	Hose	
302	1001173054	1	Hose	
303	1001173055	4	Hose	
304	1001173056	1	Hose	
305	1001173057	2	Hose	
306	1001173058	2	Hose	
307	1001173066	1	Hose	
400	1001194428	1	Hose Kit - Rear (Not Shown)	
401	1001173052	1	Hose	
402	1001173059	4	Hose	
403	1001173061	1	Hose	
404	1001173062	2	Hose	
405	1001173063	1	Hose	
406	1001197039	1	Hose	
500	1001252926	1	Hose Kit - Turntable (Not Shown)	
501	2752504	1	Hose	
502	2752519	1	Hose	
503	1001173027	2	Hose	
504	1001173028	1	Hose	
505	1001173029	2	Hose	

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FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE, CIS/EAC & UK CA SPECS WITH 4000W/50HZ GENERATOR)



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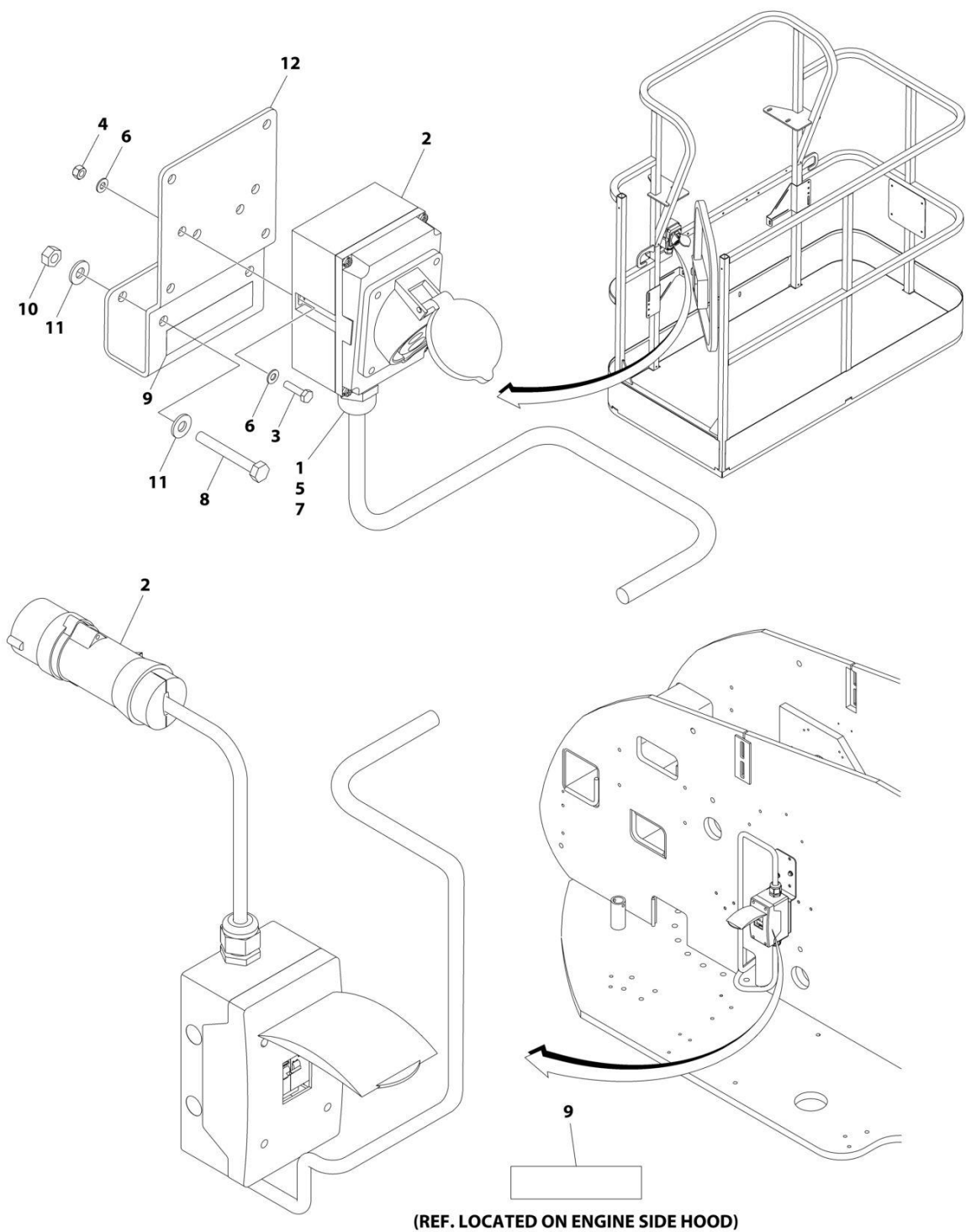
SECTION 8 - ELECTRICAL

FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE, CIS/EAC & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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

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FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 2500W GENERATOR (CE, CIS/EAC & UK CA SPECS)



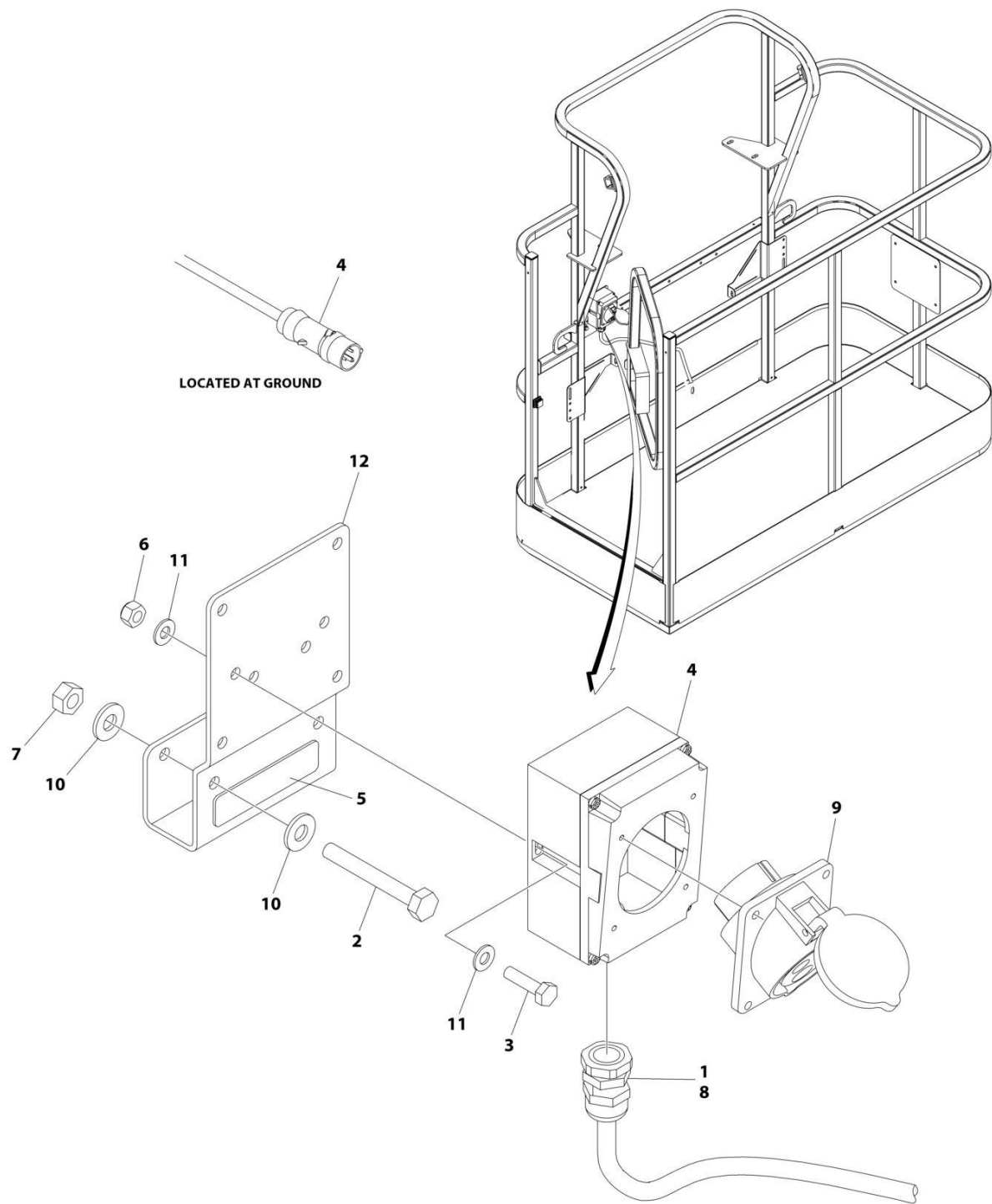
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FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 2500W GENERATOR (CE, CIS/EAC & UK CA SPECS)

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

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FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE, CIS/EAC & UK CA SPECS WITH 4000W/50HZ GENERATOR)



ART_1001194204

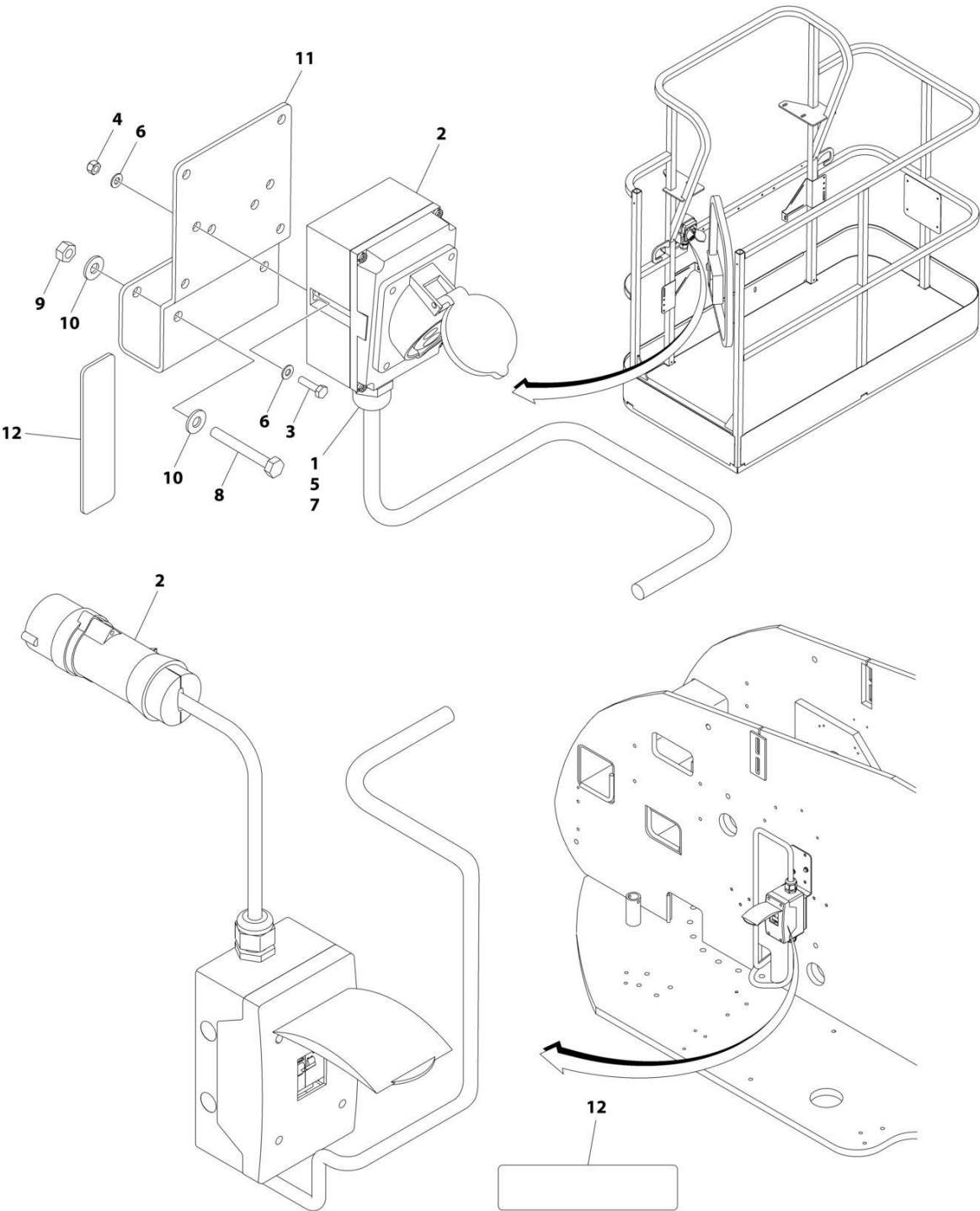
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FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE, CIS/EAC & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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

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FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITHOUT 2500W GENERATOR (CE, CIS/EAC & UK CA SPECS)



(REF. LOCATED ON ENGINE SIDE HOOD)

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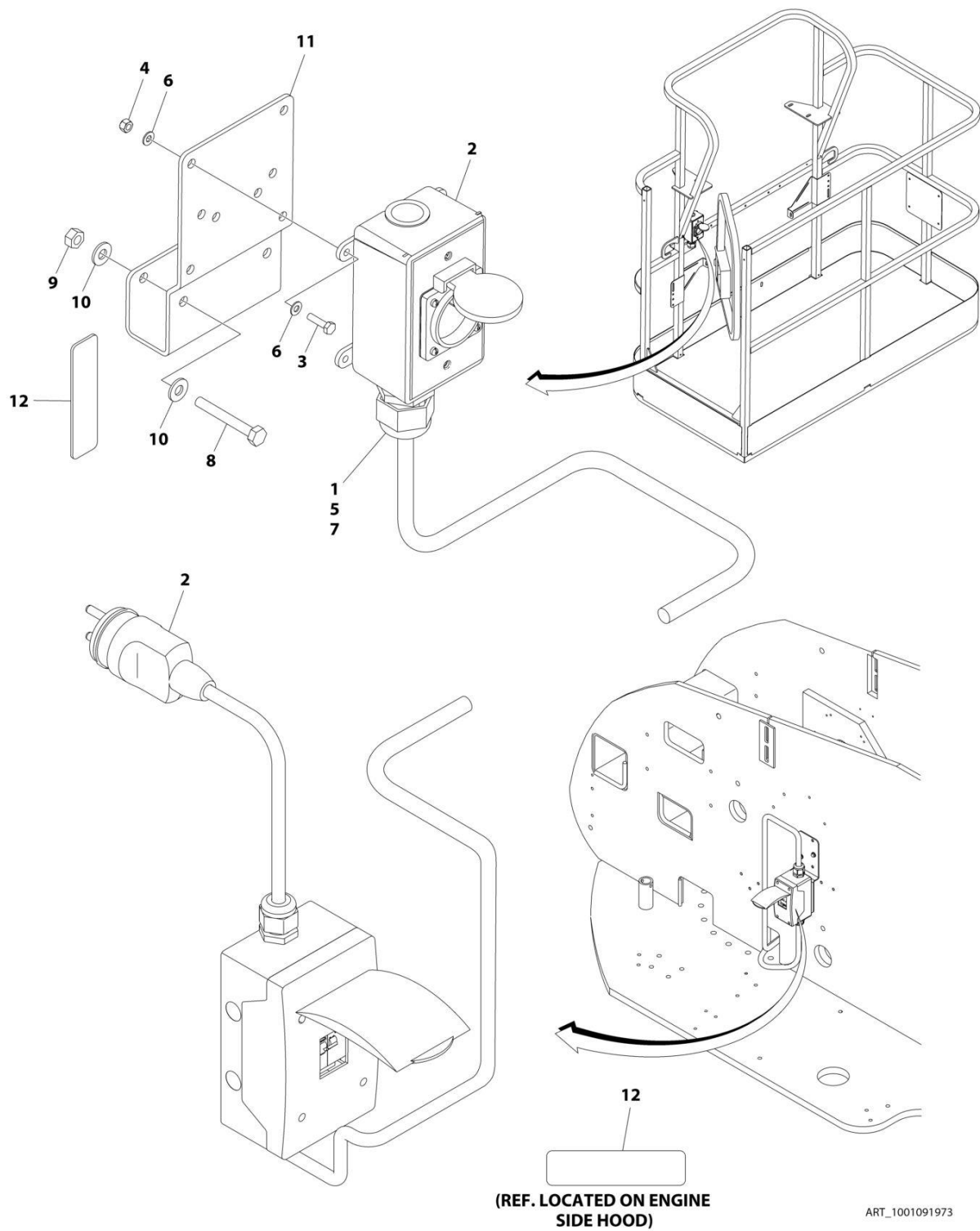
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FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITHOUT 2500W GENERATOR (CE, CIS/EAC & UK CA SPECS)

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

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FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX)
WITHOUT 2500W GENERATOR (CE, CIS/EAC & UK CA SPECS)



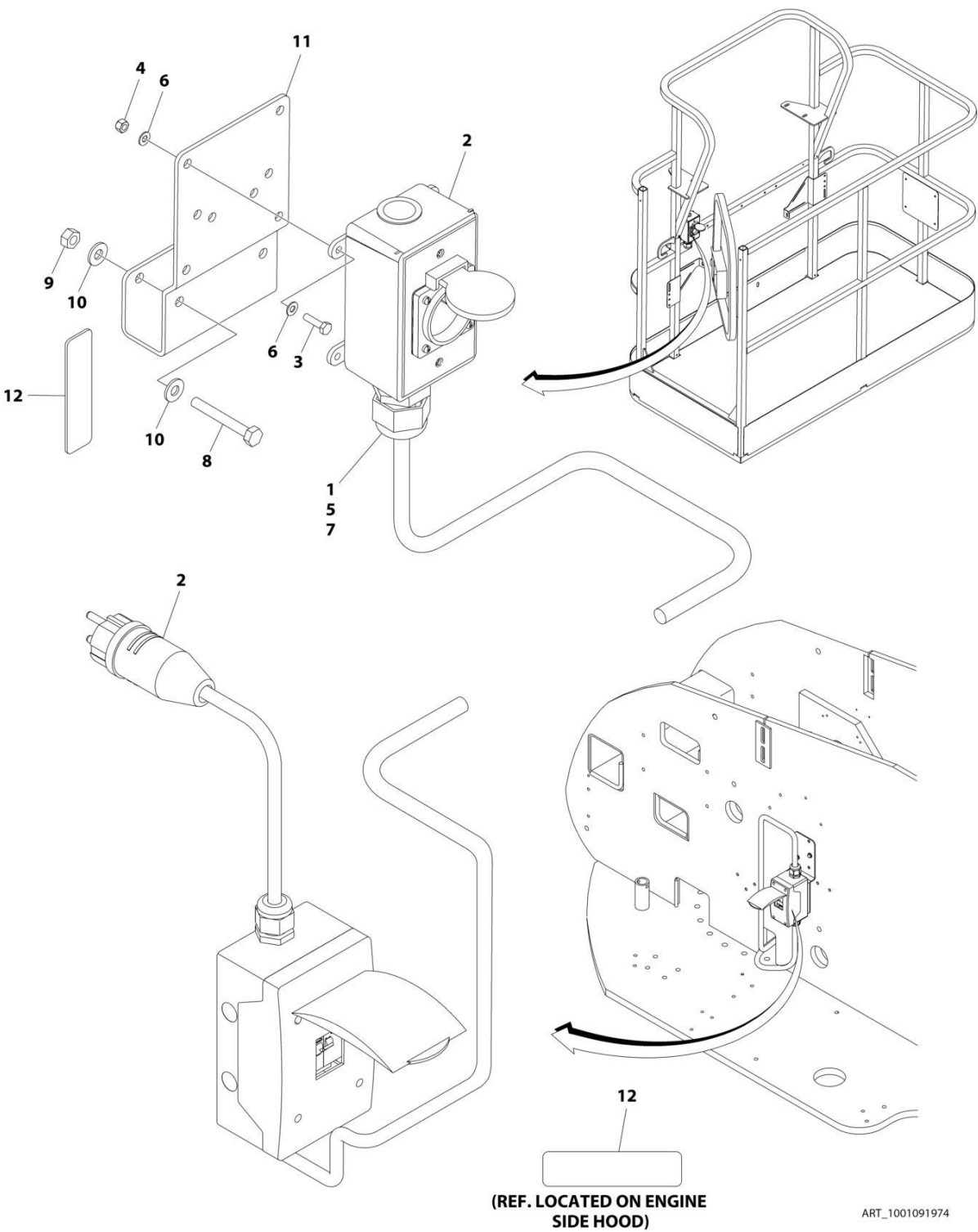
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**FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX)
WITHOUT 2500W GENERATOR (CE, CIS/EAC & UK CA SPECS)**

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

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FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX)
WITHOUT 2500W GENERATOR (CE, CIS/EAC & UK CA SPECS)



ART_1001091974

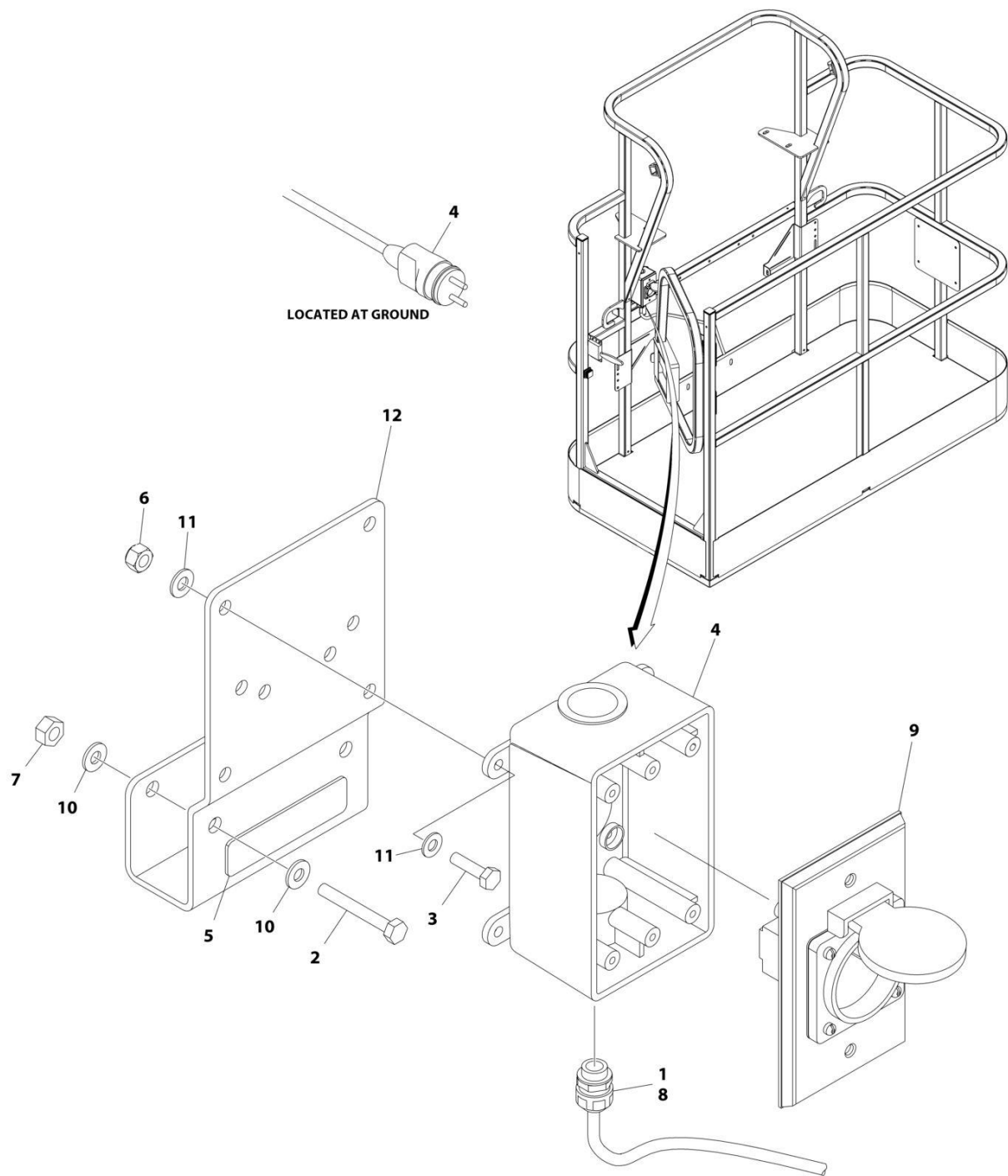
SECTION 8 - ELECTRICAL

**FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX)
WITHOUT 2500W GENERATOR (CE, CIS/EAC & UK CA SPECS)**

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

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FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE, CIS/EAC & UK CA SPECS WITH 4000W/50HZ GENERATOR)



ART_1001194197

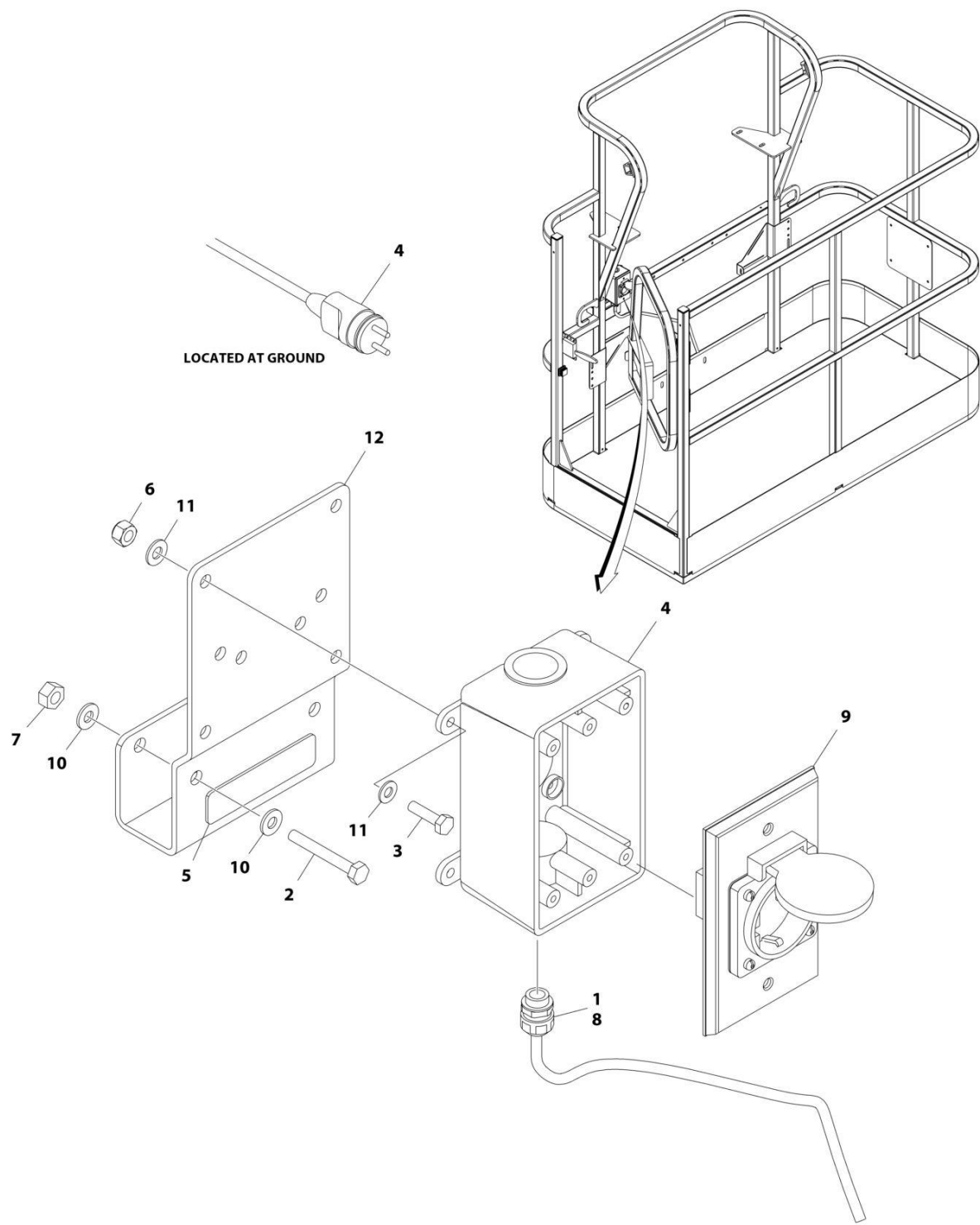
SECTION 8 - ELECTRICAL

FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE, CIS/EAC & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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

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



ART_1001194198

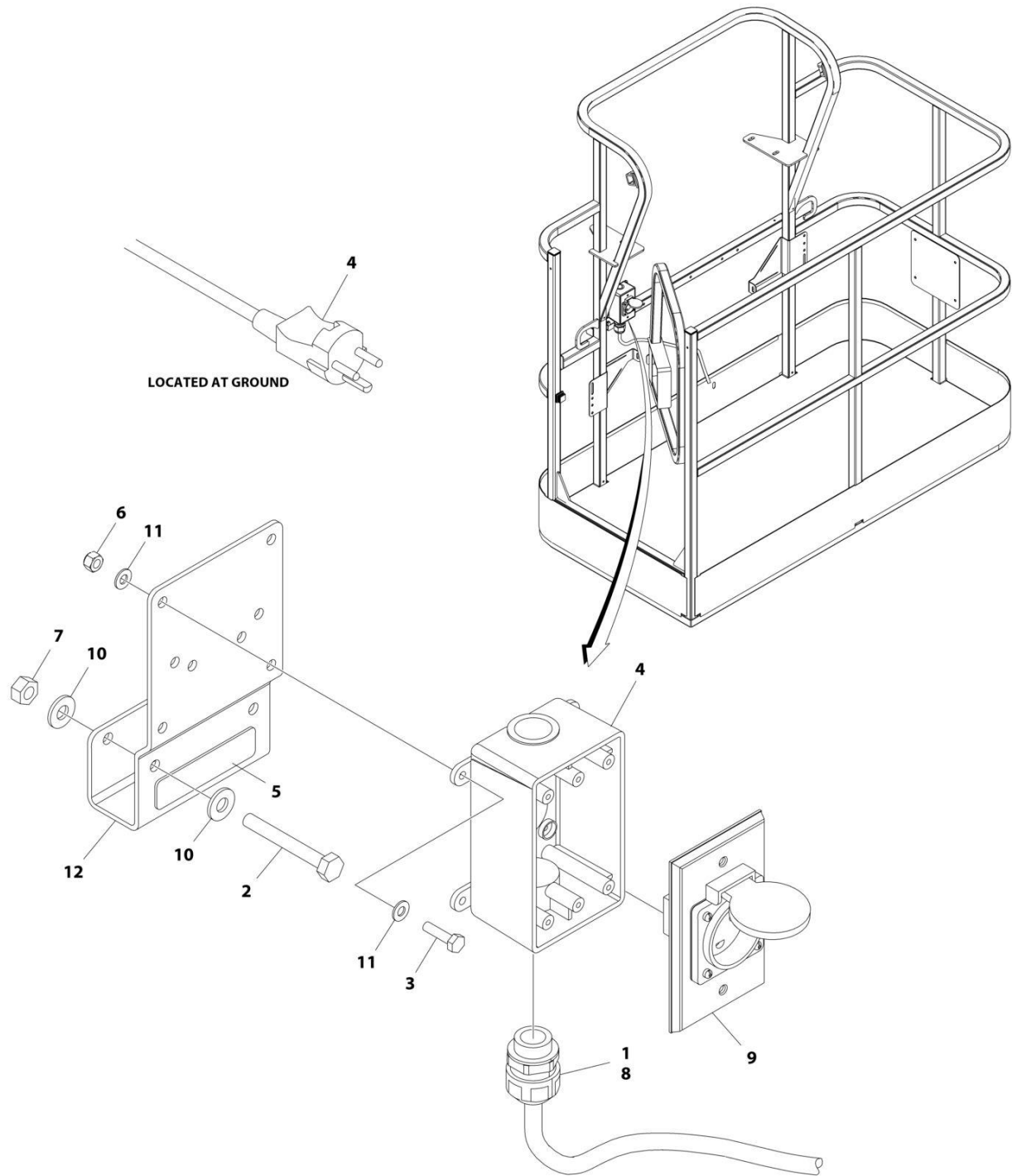
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FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE, CIS/EAC & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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

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FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE, CIS/EAC & UK CA SPECS WITH 4000W/50HZ GENERATOR)



ART_1001194200

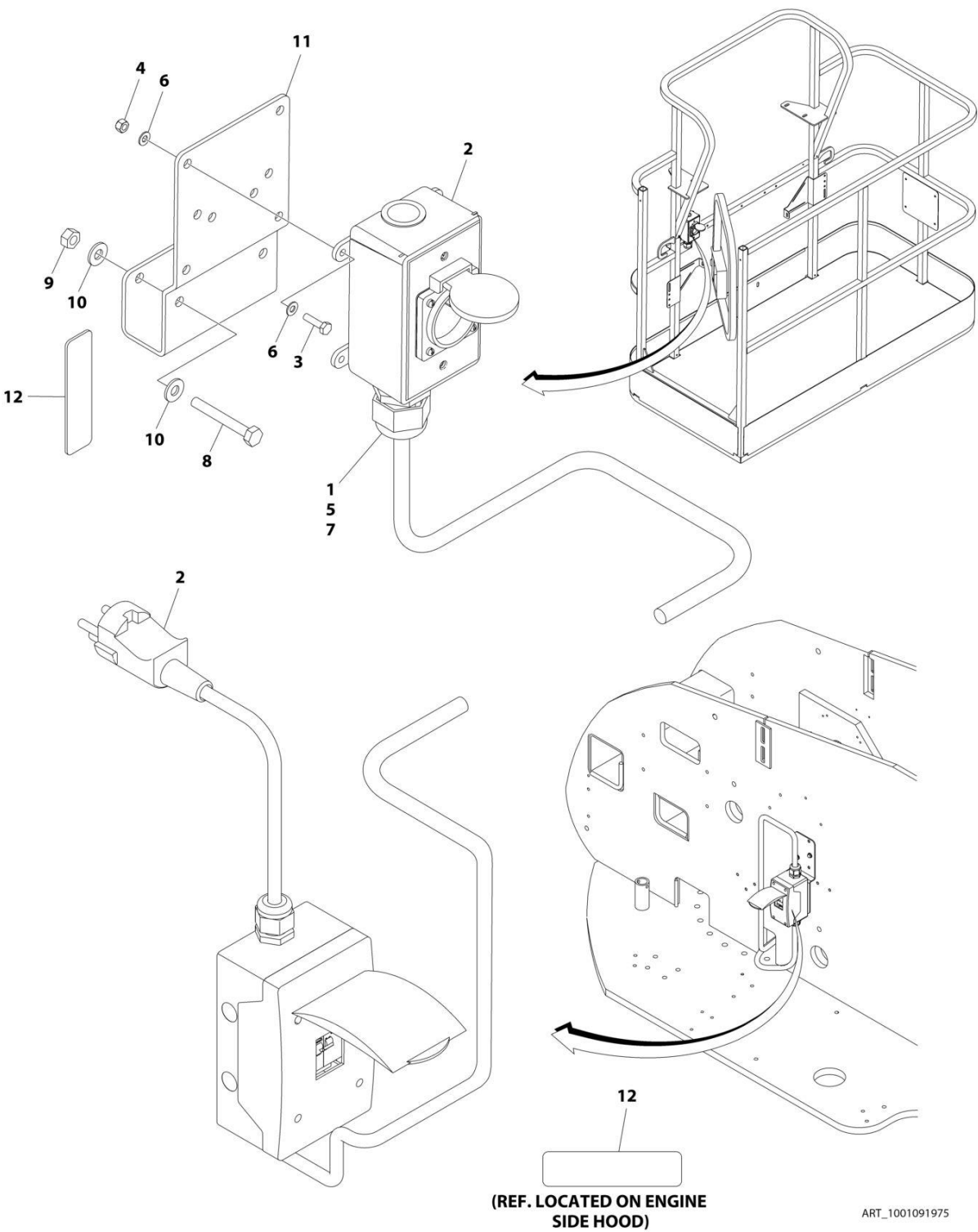
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FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE, CIS/EAC & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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

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FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE, CIS/EAC & UK CA SPECS)



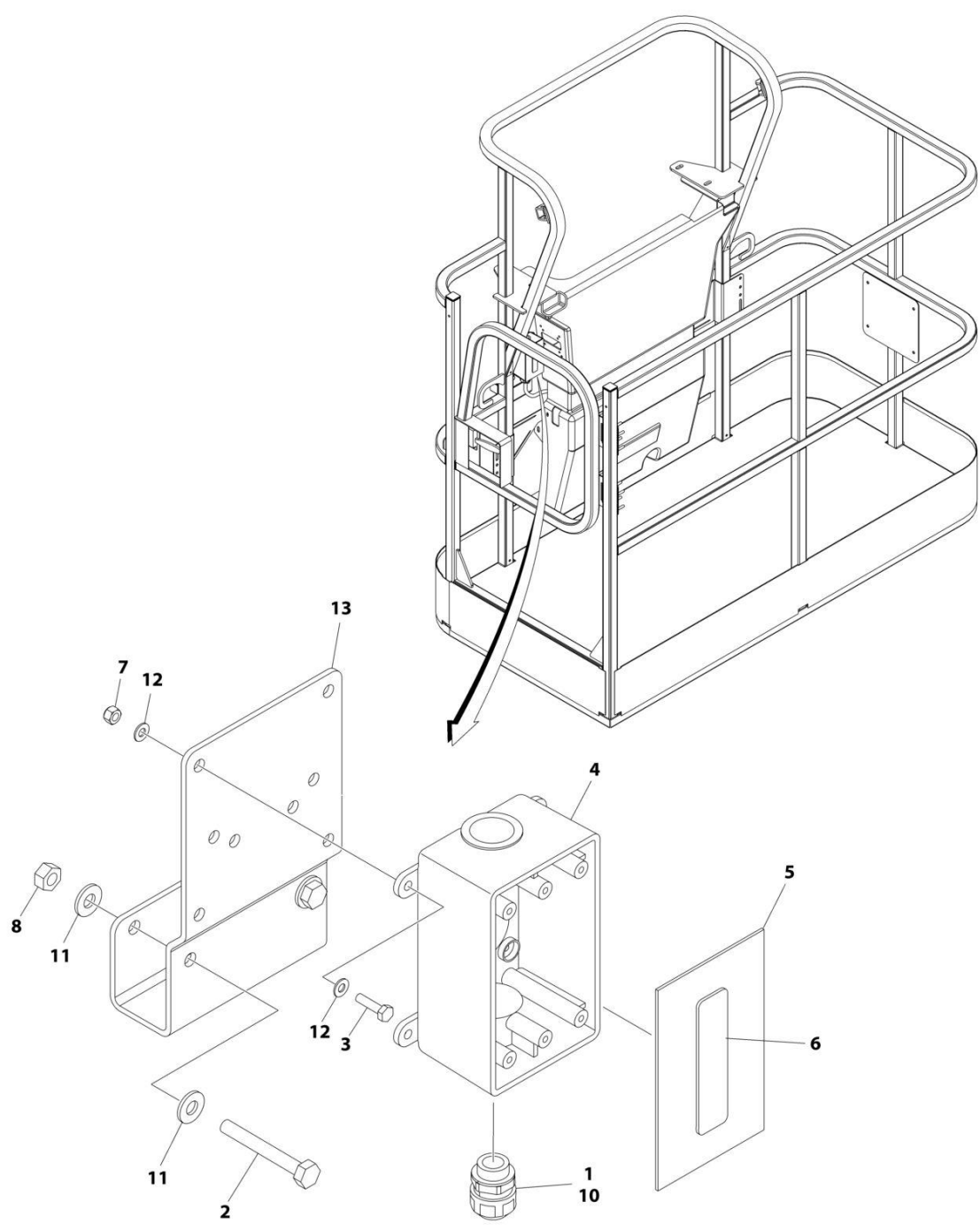
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FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE, CIS/EAC & UK CA SPECS)

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

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FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS
(ALL SPECS)



ART_1001194365

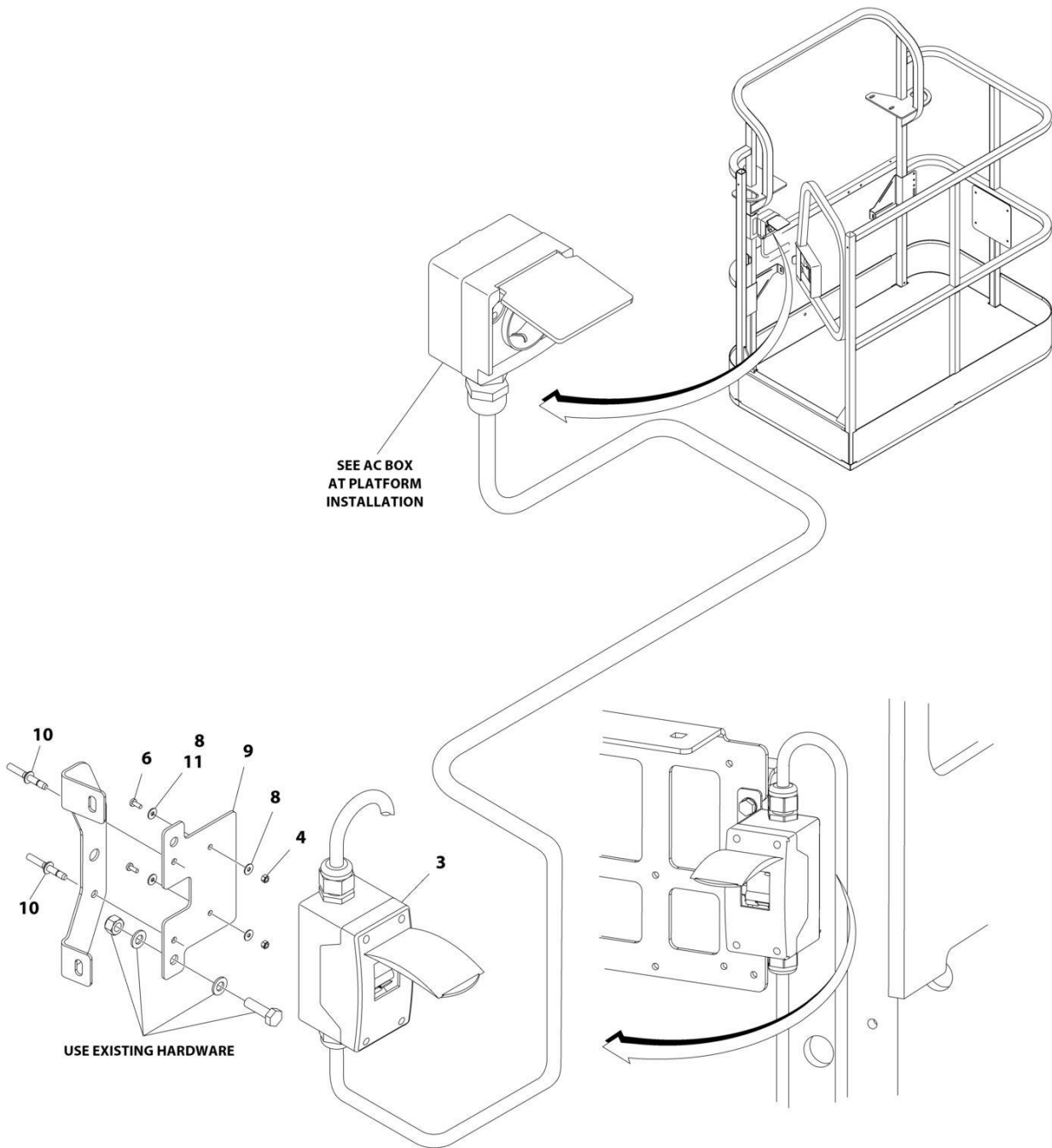
SECTION 8 - ELECTRICAL

**FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS
(ALL 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	

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FIGURE 8-12. AC CABLE INSTALLATION - WITH TWO BREAKERS (CE, CIS/EAC & UK CA SPECS)



ART_1001167312

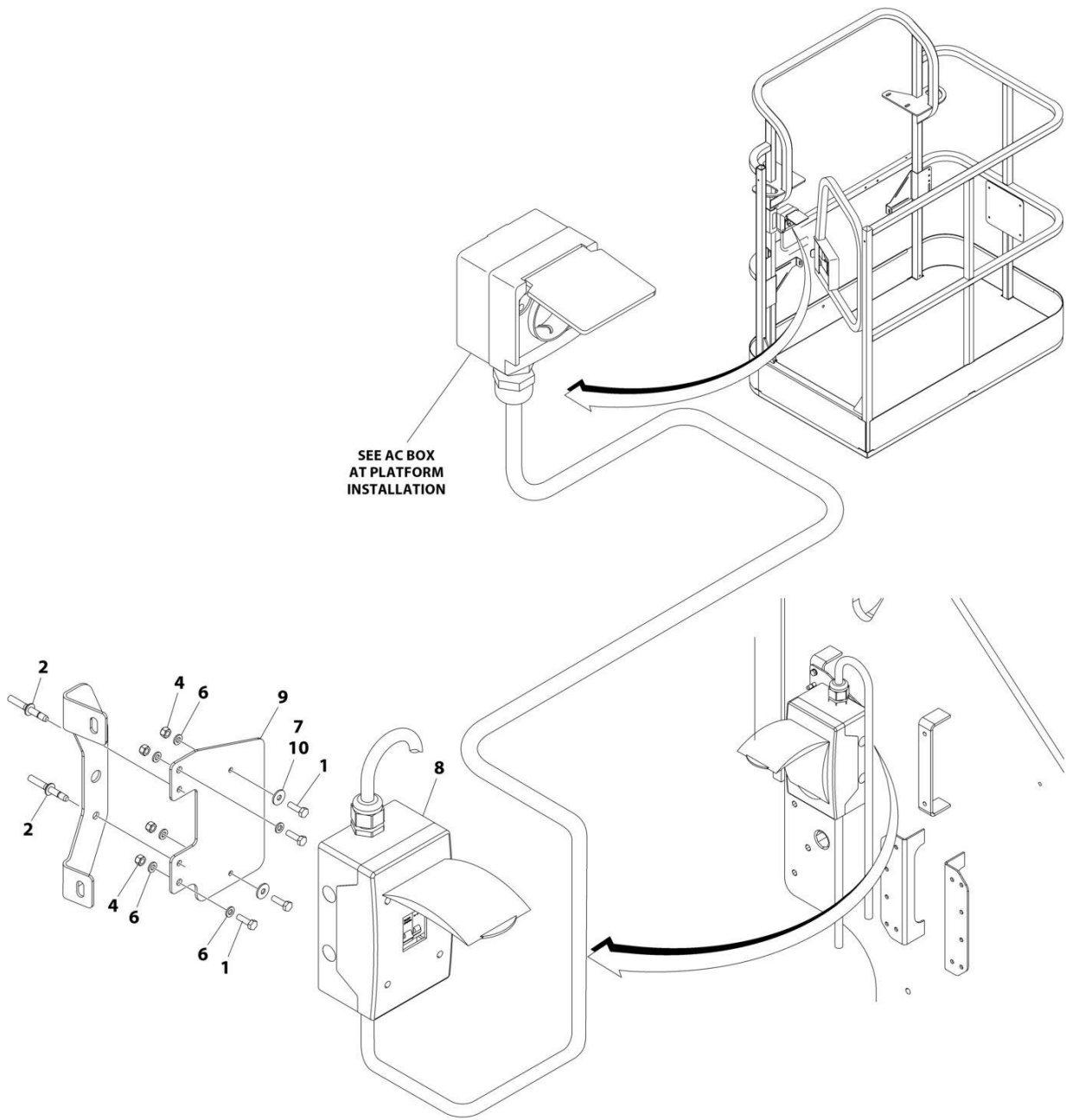
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FIGURE 8-12. AC CABLE INSTALLATION - WITH TWO BREAKERS (CE, CIS/EAC & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167312	Ref	AC CABLE INSTALLATION - WITH TWO BREAKERS	G
3	2902549	1	Breaker Box Kit - CE Spec (See Separate Breakdown in this Section)	
4	3290405	2	Nut M4	
4	3290605	2	Nut M6	
6	4010405	AR	Screw M4 x 10	
6	0760610	AR	Screw M6 x 20	
6	0760614	AR	Screw M6 x 30	
8	1001091102	2	Washer M4	
8	4811700	AR	Washer M6	
9	1001174158	1	Bracket	
10	2080040	2	Fastener, Huck	
11	4811702	2	Washer M6	

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FIGURE 8-13. AC CABLE INSTALLATION - WITH THREE BREAKERS (CE, CIS/EAC & UK CA SPECS)



ART_1001209677

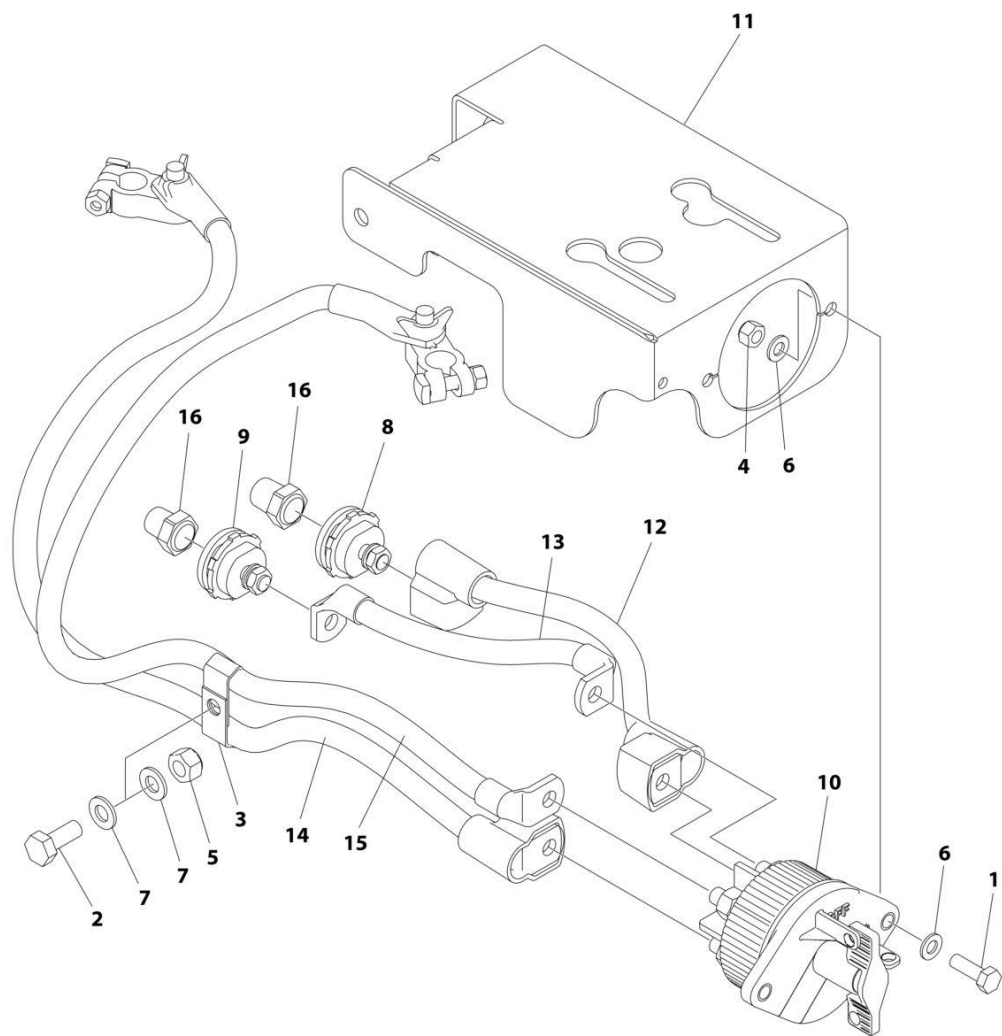
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FIGURE 8-13. AC CABLE INSTALLATION - WITH THREE BREAKERS (CE, CIS/EAC & UK CA SPECS)

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

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FIGURE 8-14. BATTERY DISCONNECT SWITCH



ART_1001214397

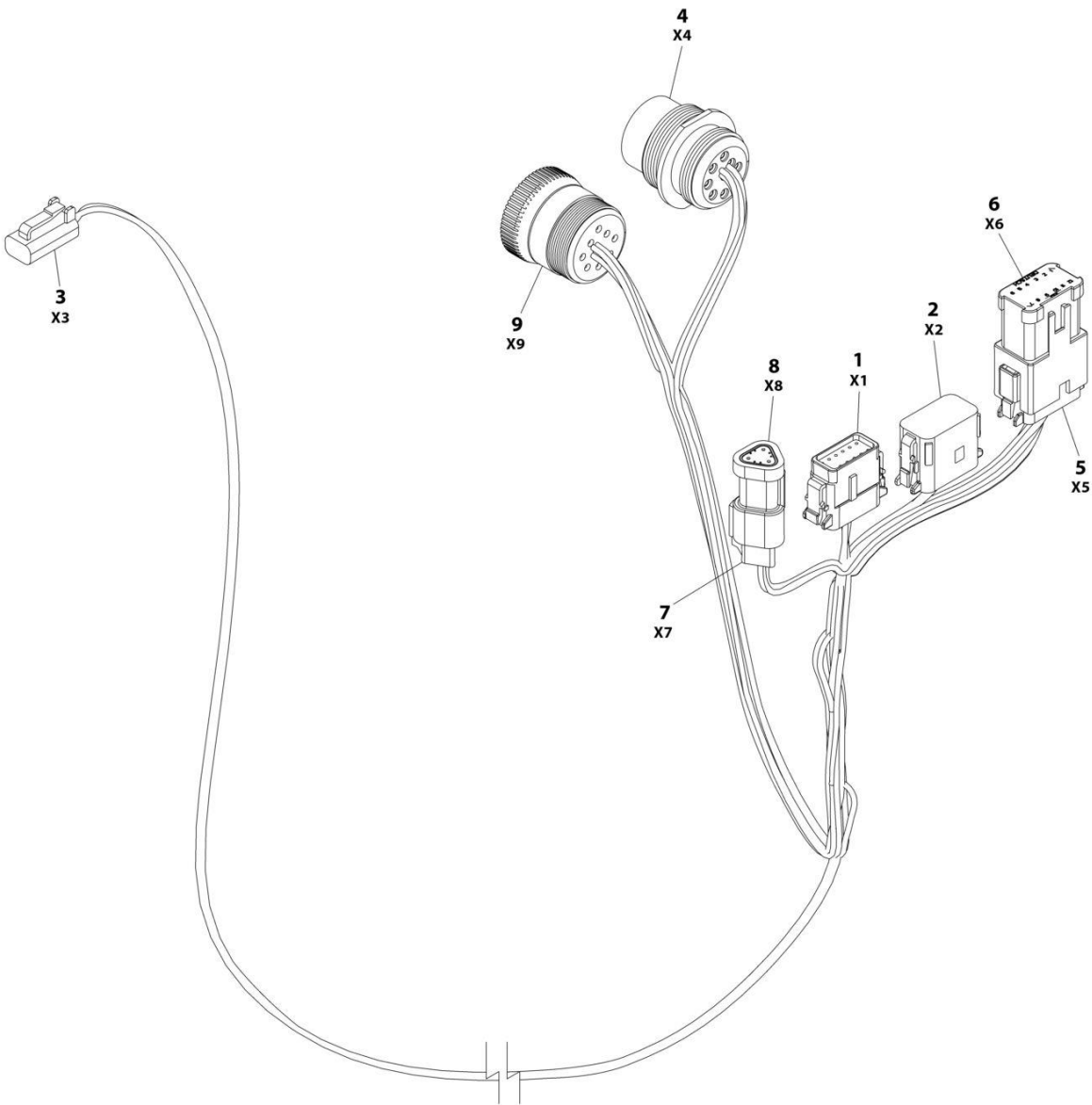
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FIGURE 8-14. BATTERY DISCONNECT SWITCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214397	Ref	BATTERY DISCONNECT SWITCH	A
1	0760812	2	Bolt M8 x 25	
2	0761012	1	Bolt M10 x 25	
3	1320223	2	Clamp	
4	3290805	2	Nut M8	
5	3291005	1	Nut M10	
6	4811900	4	Washer M8	
7	4812000	2	Washer M10	
8	1001214570	1	Connector (Red)	
9	1001214571	1	Connector (Black)	
10	1001225346	1	Switch	
11	1001226530	1	Mount	
12	1001237878	1	Cable, Battery Disconnect (Positive)	
13	1001237879	1	Cable, Battery Disconnect (Negative)	
14	1001237880	1	Cable (Positive)	
15	1001237881	1	Cable (Negative)	
16	1001206476	1	Connector	

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FIGURE 8-15. BEACON LIGHT HARNESS (BLUE AND RED BEACON LIGHT)



ART_1001142736

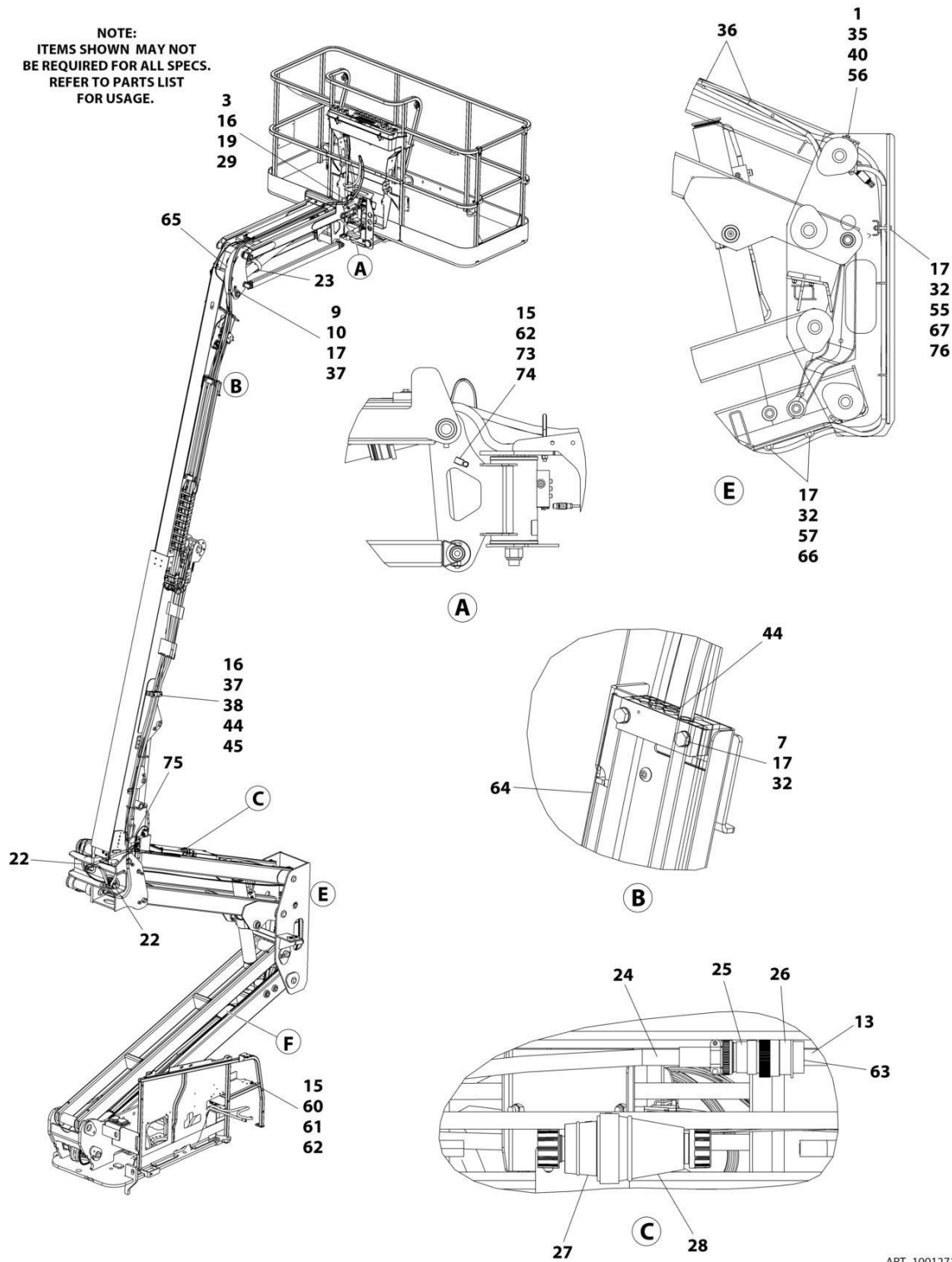
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FIGURE 8-15. BEACON LIGHT HARNESS (BLUE AND RED BEACON LIGHT)

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

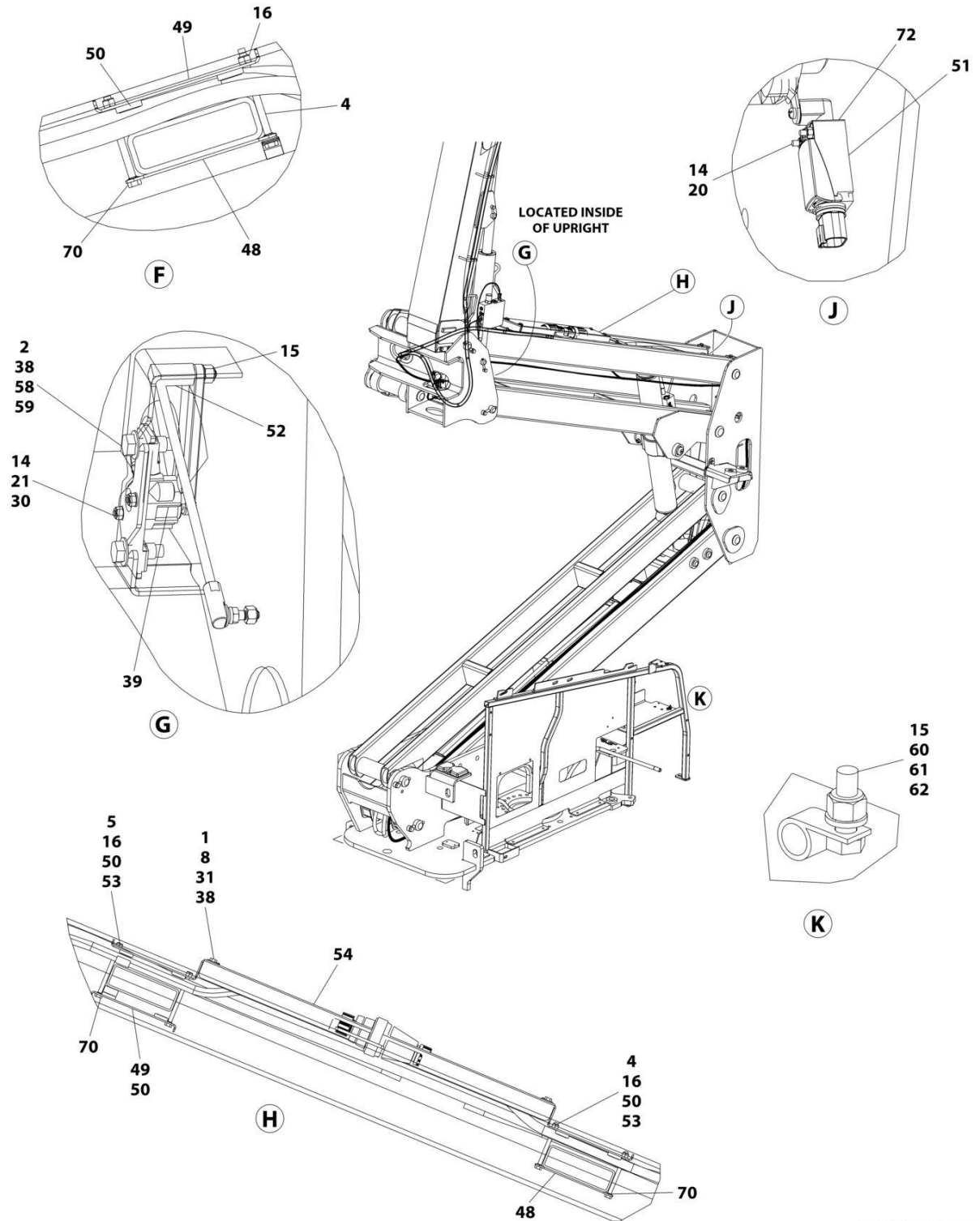
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FIGURE 8-16. BOOM CABLES & CLAMPS INSTALLATION (4000W GENERATOR)



ART_1001271179_10F2

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ART_1001271179_2OF2

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FIGURE 8-16. BOOM CABLES & CLAMPS INSTALLATION (4000W GENERATOR)

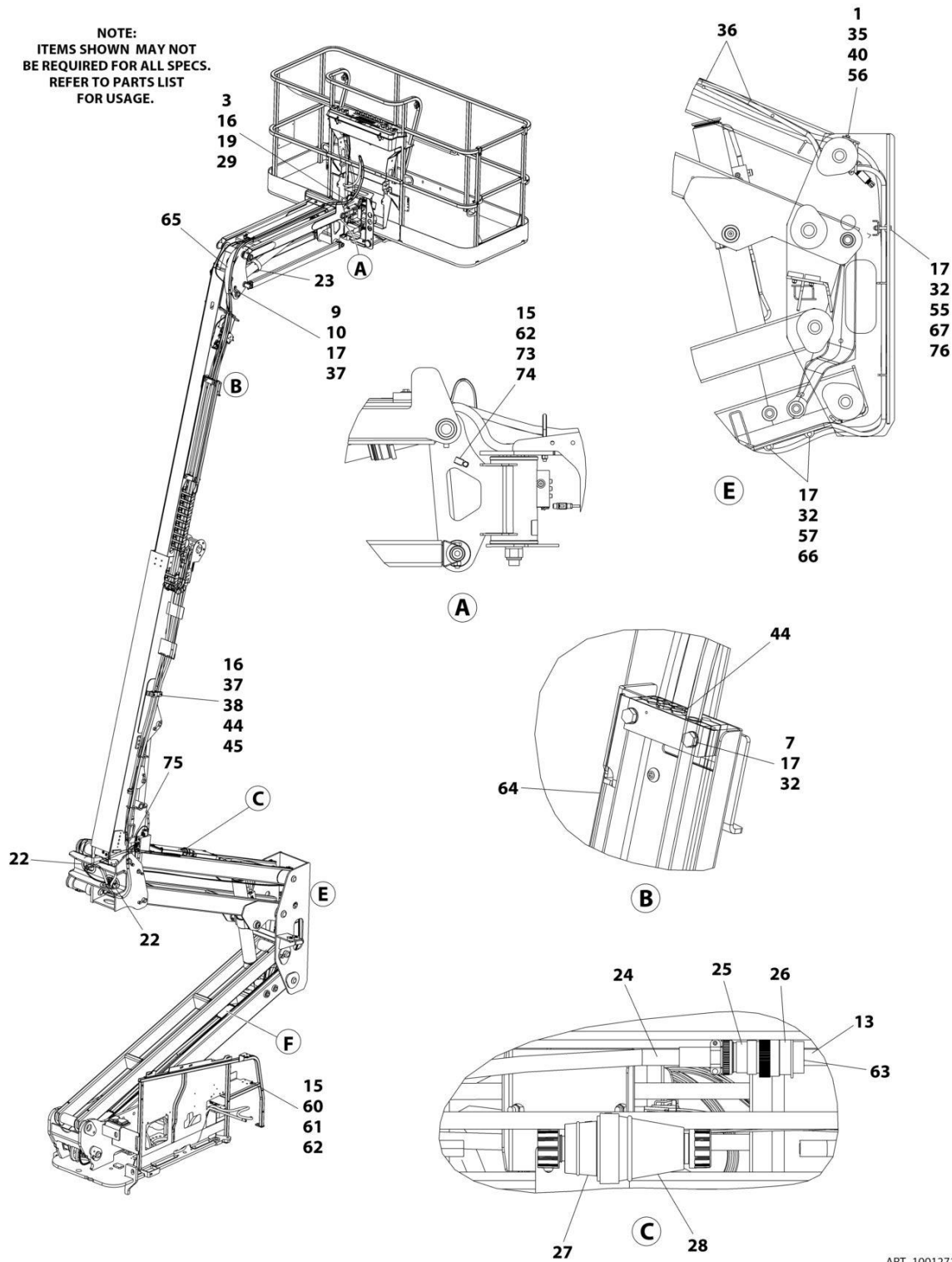
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001271179	1	BOOM CABLES AND CLAMPS INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0760814	2	Bolt M8 x 30	
4	0700827	6	Bolt M8 x 100	
5	0700828	2	Bolt M8 x 110	
7	0701024	4	Bolt M10 x 80	
8	0760812	4	Bolt M8 x 25	
9	0761012	1	Bolt M10 x 25	
10	1320130	1	Clamp	
13	2820031	AR	Heat Shrink	
14	3290405	4	Nut M4	
15	3290605	5	Nut M6	
16	3290805	12	Nut M8	
17	3291005	9	Nut M10	
19	3841340	1	Loop, Hose	
20	4010418	2	Screw M4 x 50	
21	4031511	2	Capscrew M4 x 35	
22	4060808	27.5 in /8.4m	Flex-Trim	
23	4240156	1	Strap, Clinch	
24	4460473	AR	Clamp, Cable	
25	4460865	1	Connector - 19 Position	
26	4460866	1	Connector - 19 Position	
29	4811900	4	Washer M8	
30	4811400	2	Washer M4	
31	4811902	4	Washer M8	
32	4812000	13	Washer M10	
33	1001176951	1	Harness, Tower Boom (See Separate Breakdown in this Section)	
34	1001174749	1	Harness, Tower Boom AC Cable (See Separate Breakdown in this Section)	
35	5251014	2	Bolt M10 x 30	
36	8881800	AR	Tie-Strap	
37	5281918	2	Screw M8 x 70	
38	1001118274	AR	Nut M8	
39	1001118971	1	Sensor, Angle	
39	70005667	1	Arm	
40	1001118972	2	Nut M10	
43	1001164738	1	Harness, Boom Valve (See Separate Breakdown in this Section)	
44	1001273302	3	Block, Clamping	
45	1001273303	1	Plate	
48	1001171553	3	Plate, Clamping	
49	1001171555	3	Plate, Clamping	
50	1001171559	10	Pad	
51	1001172271	1	Switch, Limit	
52	1001238466	1	Link, Sensor (Note: Sold as Assembly Only)	
53	1001178448	2	Plate, Clamping	
54	1001178449	1	Cover	
55	1001178644	1	Plate	
56	1001260306	1	Bracket	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
57	1001182561	2	Roller	
58	5250812	2	Bolt M8 x 25	
59	1001179266	1	Plate, Mounting	
60	0760610	1	Bolt M6 x 20	
61	1320043	1	Clamp	
62	4811700	5	Washer M6	
63	4460466	AR	Plug, Terminal	
64	1001181875	1	Cover	
65	1001181923	1	Shield, Hose	
66	1001119280	2	Bolt M10 x 260	
67	1001185747	2	Pad	
70	1001119228	8	Nut M8	
72	4750800	AR	Washer #8	
73	1320041	2	Clamp	
74	0760612	2	Bolt M6 x 25	
75	1001143645	1	Strap	
76	0701022	AR	Bolt M10 x 70	

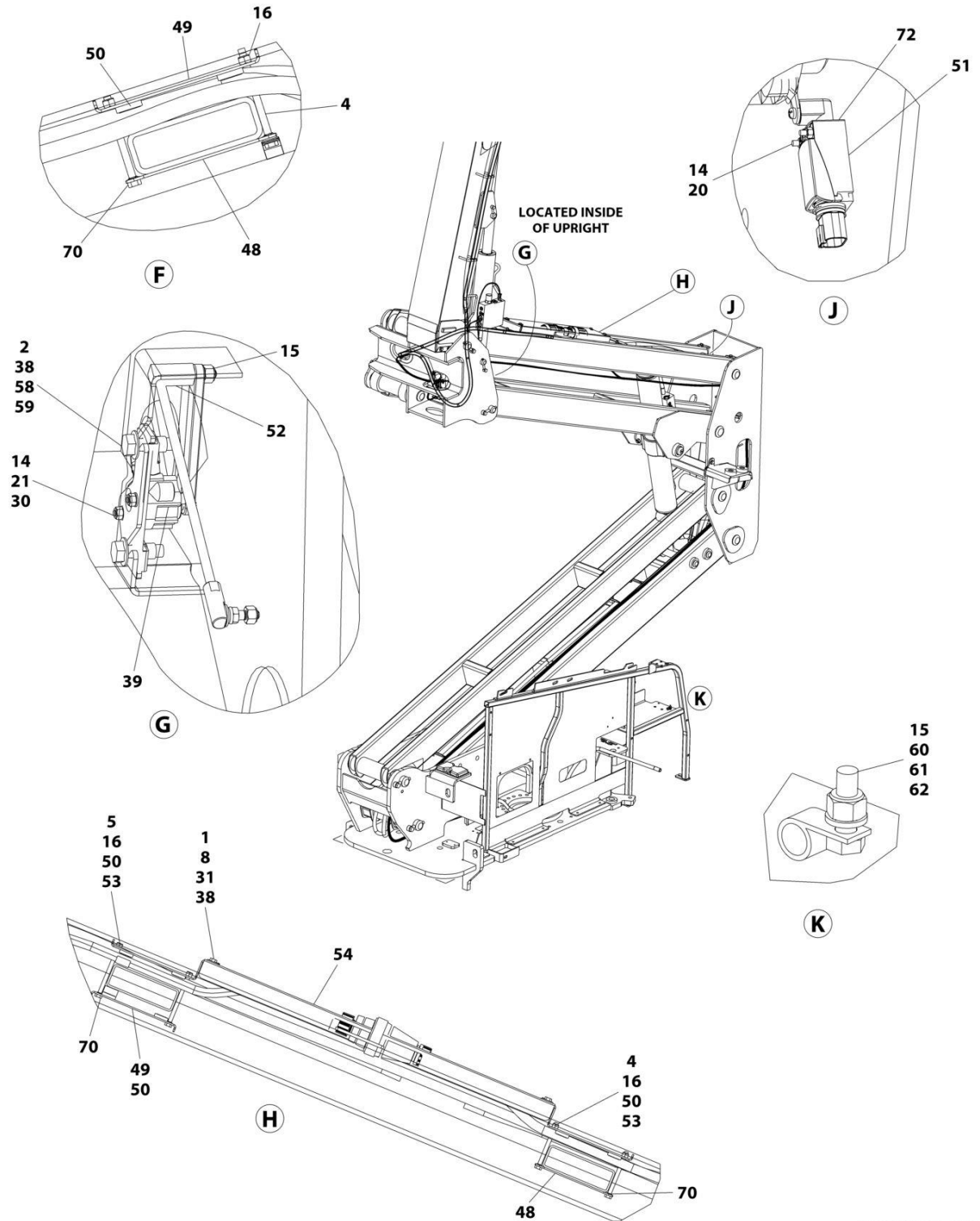
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FIGURE 8-17. BOOM CABLES & CLAMPS INSTALLATION (7500W SKYPOWER GENERATOR)



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ART_1001271180_2OF2

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FIGURE 8-17. BOOM CABLES & CLAMPS INSTALLATION (7500W SKYPOWER GENERATOR)

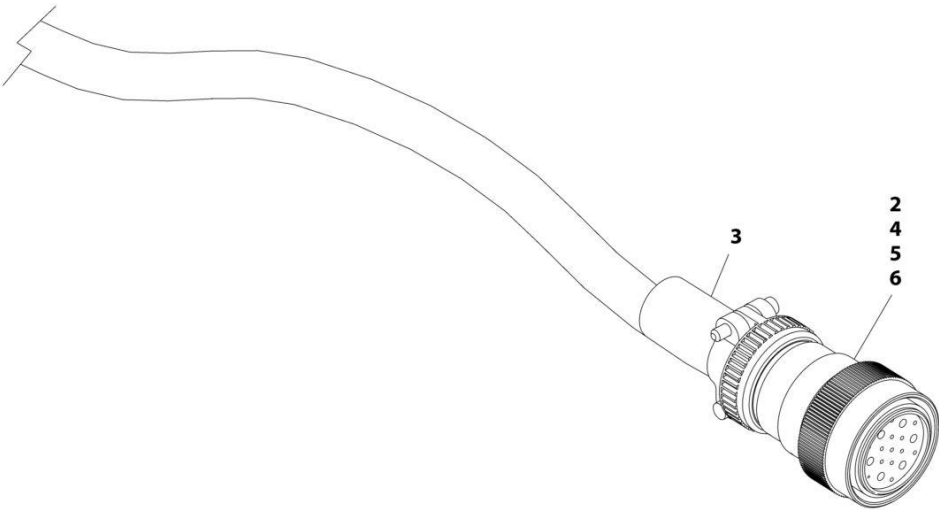
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001271180	Ref	BOOM CABLES AND CLAMPS INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0760814	2	Bolt M8 x 30	
4	0700827	6	Bolt M8 x 100	
5	0700828	2	Bolt M8 x 110	
7	0701024	4	Bolt M10 x 80	
8	0760812	4	Bolt M8 x 25	
9	0761012	1	Bolt M10 x 25	
10	1320130	1	Clamp	
13	2820031	AR	Heat Shrink	
14	3290405	4	Nut M4	
15	3290605	4	Nut M6	
16	3290805	12	Nut M8	
17	3291005	9	Nut M10	
19	3841340	1	Loop, Hose	
20	4010418	2	Screw M4 x 50	
21	4031511	2	Capscrew M4 x 35	
22	4060808	27.5 in/ 8.38m	Flex-Trim	
23	4240156	1	Strap, Clinch	
24	4460473	AR	Clamp, Cable	
25	4460865	1	Connector - 19 Position	
26	4460866	1	Connector - 19 Position	
27	1001218622	1	Terminal, Turnlock Plug	
28	1001218623	1	Terminal, Turnlock Connector	
29	4811900	4	Washer M8	
30	4811400	2	Washer M4	
31	4811902	4	Washer M8	
32	4812000	13	Washer M10	
33	1001176951	1	Harness, Tower Boom (Not Shown - See Separate Breakdown in this Section)	
34	4922929	1	Harness, Tower Boom – 8/5 – Lower Generator Cable (Not Shown)	
35	5251014	2	Bolt M10 x 30	
36	8881800	AR	Tie-Strap	
37	5281918	2	Screw M8 x 70	
38	1001118274	AR	Nut M8	
39	1001118971	1	Sensor, Angle	
39	70005667	1	Arm	
40	1001118972	2	Nut M10	
41	1001172335	1	Harness, Main Boom (Not Shown - See Separate Breakdown in this Section)	
42	1001172343	1	Harness, Main Boom – 8/5 – Upper Generator Cable (Not Shown)	
43	1001164738	1	Harness, Boom Valve (Not Shown - See Separate Breakdown in this Section)	
44	1001273302	3	Block, Clamping	
45	1001273303	1	Plate	
48	1001171553	3	Plate, Clamping	
49	1001171555	3	Plate, Clamping	
50	1001171559	10	Pad	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	1001172271	1	Switch, Limit	
52	1001238466	1	Link, Sensor (Note: Sold as Assembly Only)	
53	1001178448	2	Plate, Clamping	
54	1001178449	1	Cover	
55	1001178644	1	Plate	
56	1001260306	1	Bracket	
57	1001182561	2	Roller	
58	5250812	2	Bolt M8 x 25	
59	1001179266	1	Plate, Mounting	
62	4811700	4	Washer M6	
63	4460466	AR	Plug, Terminal	
64	1001181875	1	Cover	
65	1001181923	1	Shield, Hose	
66	1001119280	2	Bolt M10 x 260	
67	1001185747	2	Pad	
70	1001119228	8	Nut M8	
72	4750800	AR	Washer #8	
73	1320041	2	Clamp	
74	0760612	2	Bolt M6 x 25	
75	1001143645	1	Strap	
76	0701022	AR	Bolt M10 x 70	

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FIGURE 8-18. BOOM HARNESS - MAIN BOOM



ART_1001172335

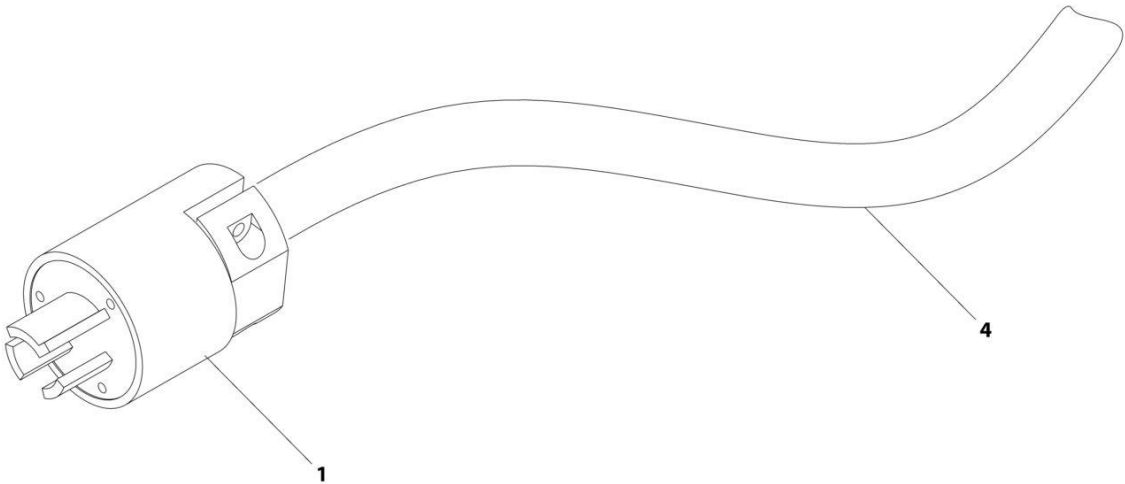
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FIGURE 8-18. BOOM HARNESS - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172335	Ref	BOOM HARNESS - 450A (MAIN BOOM)	E
2	4460865	1	Connector - 19 Position	
3	4460473	1	Clamp	
4	4460465	20	Socket, Female	
5	4460509	8	Socket, Female	
6	4460466	5	Plug, Socket	

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FIGURE 8-19. BOOM HARNESS - MAIN BOOM (8/5 4000W GENERATOR)



ART_1001172336

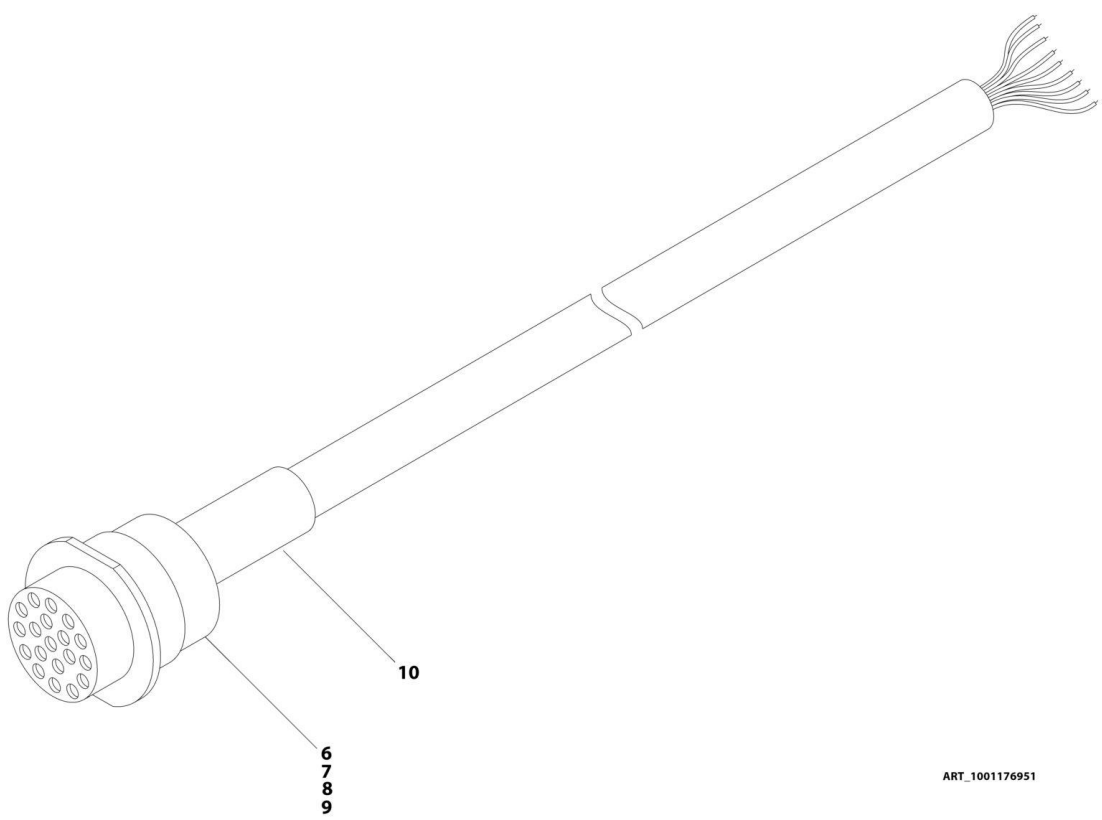
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FIGURE 8-19. BOOM HARNESS - MAIN BOOM (8/5 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001172336	Ref	BOOM HARNESS - 450A (MAIN BOOM AC CABLE)	C
	1001120204	1	Plug, Male	
4	1060461	494 in /12.6m	Cable, Electrical - 12/3	

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FIGURE 8-20. BOOM HARNESS - TOWER BOOM



ART_1001176951

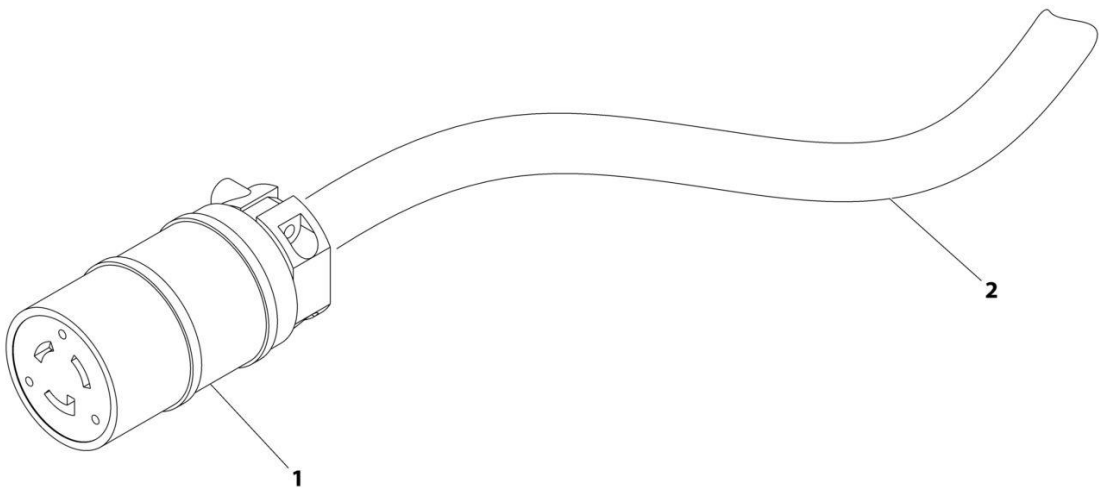
SECTION 8 - ELECTRICAL

FIGURE 8-20. BOOM HARNESS - TOWER BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176951	Ref	BOOM HARNESS - TOWER BOOM	E
6	4460466	5	Plug, Terminal	
7	4460464	20	Pin, Male	
8	4460508	8	Pin, Male	
9	4460866	1	Connector - 19 Position	
10	2820031	AR	Heat Shrink	

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FIGURE 8-21. BOOM HARNESS - TOWER BOOM (8/5 4000W GENERATOR)



ART_1001174749

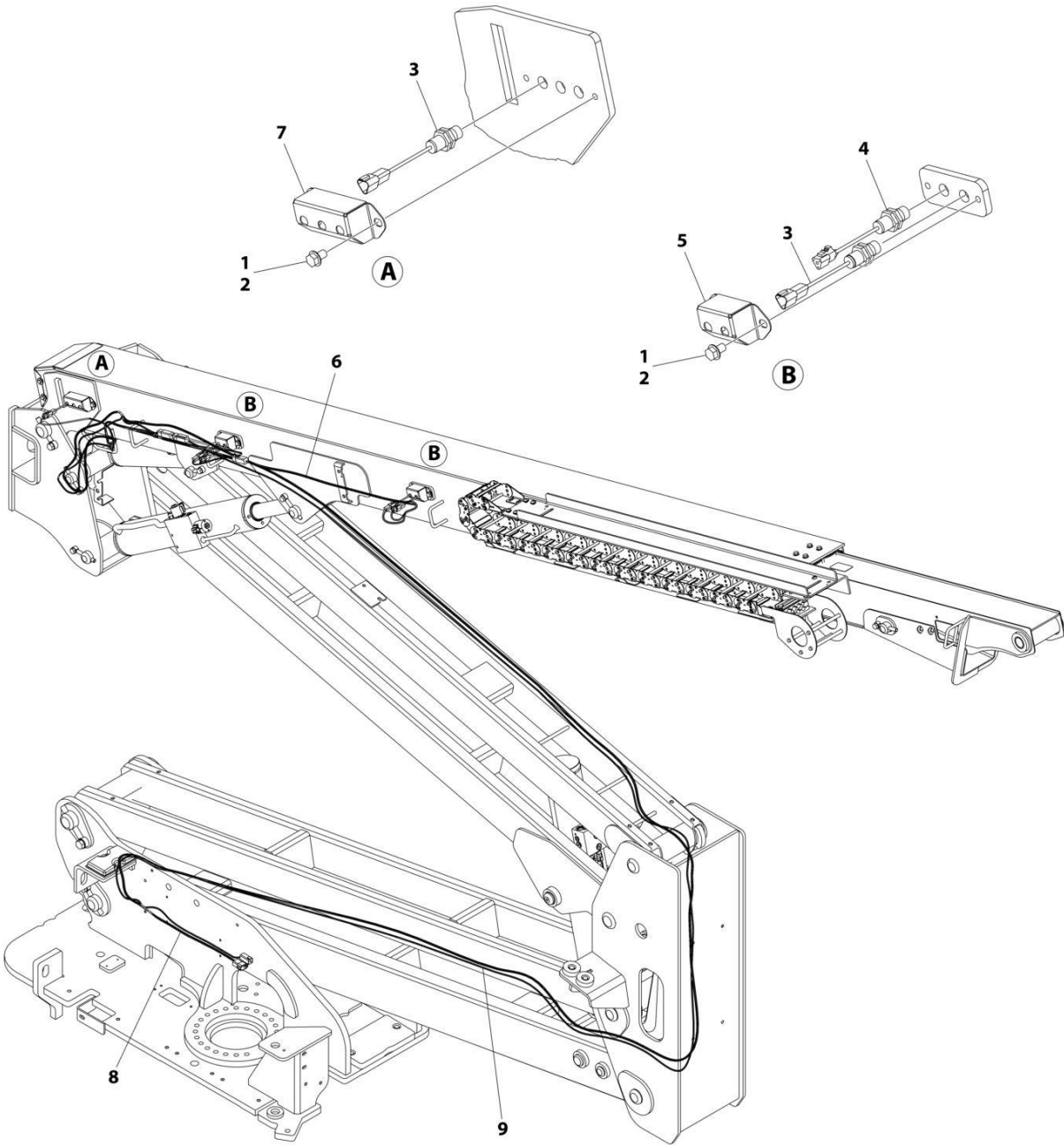
SECTION 8 - ELECTRICAL

FIGURE 8-21. BOOM HARNESS - TOWER BOOM (8/5 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174749	Ref	BOOM HARNESS - TOWER BOOM AC CABLE	C
1	1001120205	1	Connector, Female	
2	1060461	28 ft/ 8.5m	Electrical Cable, 12/3	

SECTION 8 - ELECTRICAL

FIGURE 8-22. BOOM SENSORS INSTALLATION



ART_1001266649

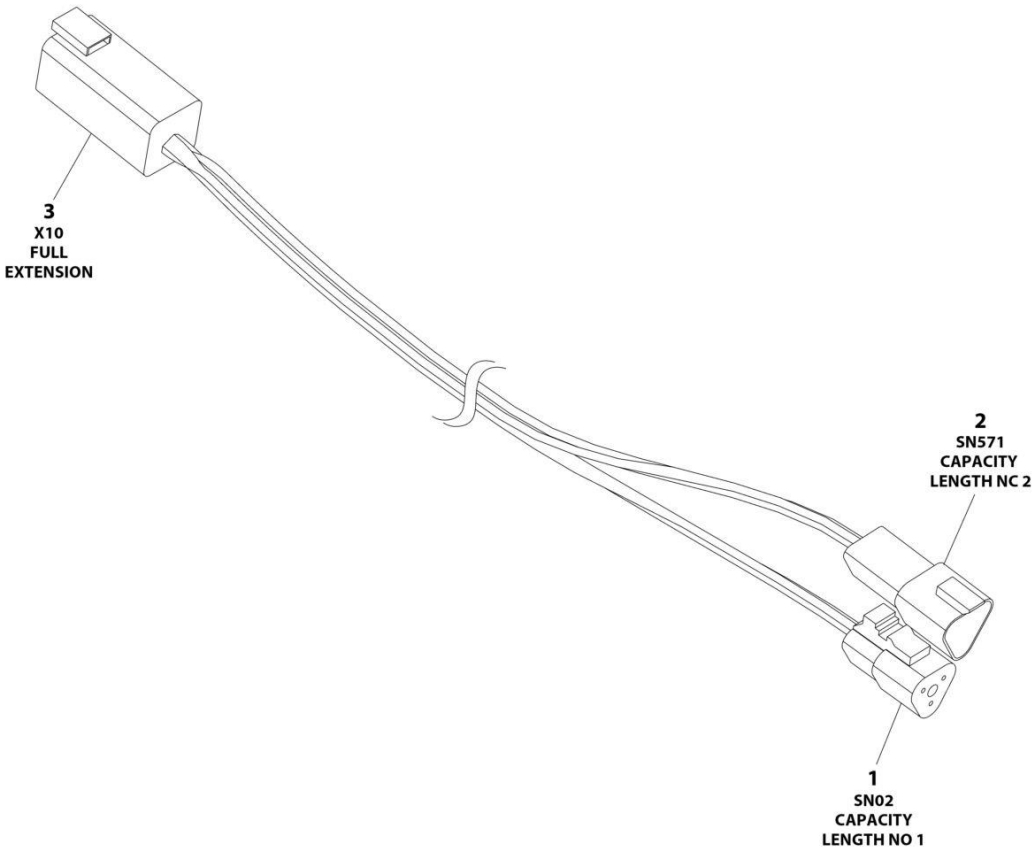
SECTION 8 - ELECTRICAL

FIGURE 8-22. BOOM SENSORS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266649	Ref	BOOM SENSORS INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	5251008	6	Bolt M10 x 16	
3	1001170847	3	Sensor, Proximity	
4	1001182570	2	Sensor, Proximity	
5	1001204715	2	Bracket	
6	1001238192	1	Harness, Boom Sensor (See Separate Breakdown in this Section)	
7	1001256527	1	Bracket	
8	1001263007	1	Harness, Capacity (See Separate Breakdown in this Section)	
9	1001263008	1	Harness, Transport (See Separate Breakdown in this Section)	

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FIGURE 8-23. BOOM SENSOR HARNESS



ART_1001238192

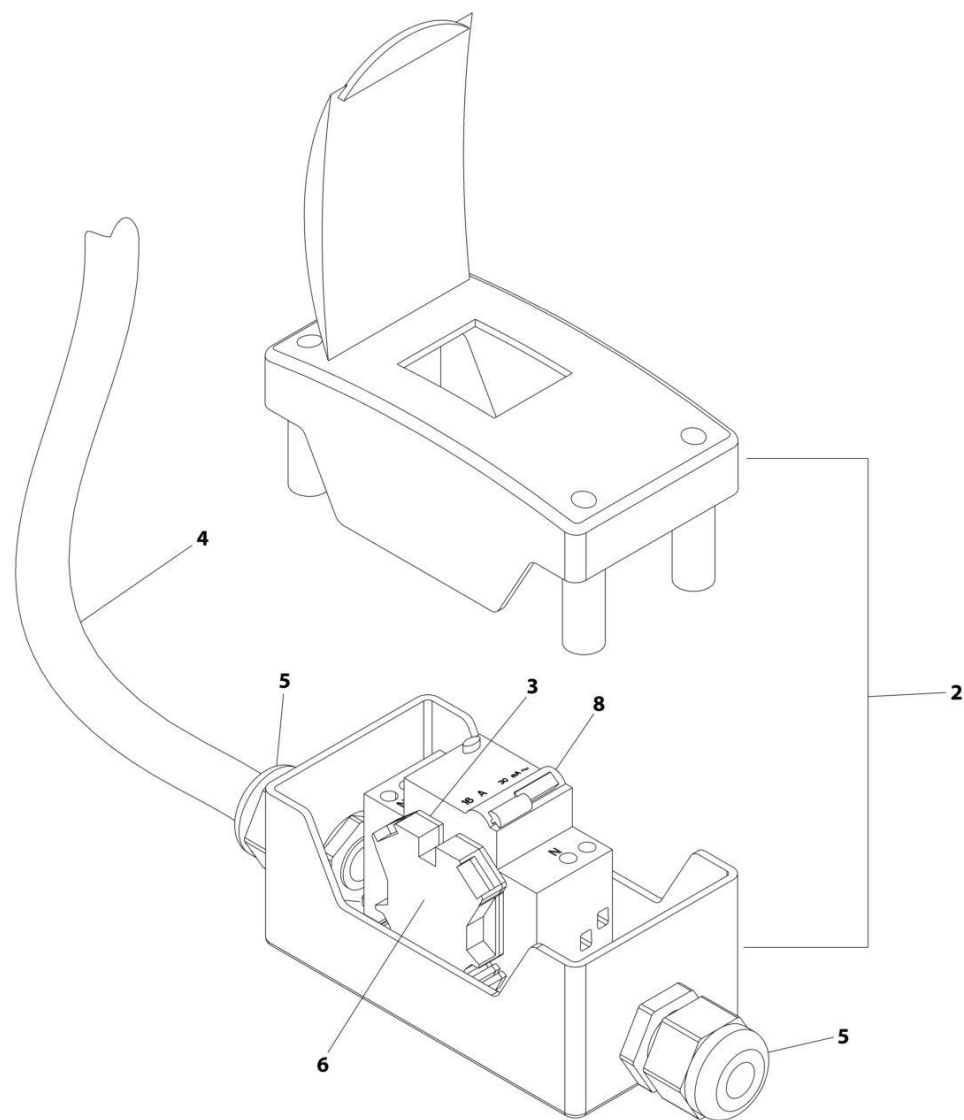
SECTION 8 - ELECTRICAL

FIGURE 8-23. BOOM SENSOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238192	Ref	BOOM SENSOR / CAPACITY PROXIMITY HARNESS	B
1	4460539	1	Plug, Male - 3 Position	
1	4460465	3	Socket, Female	
2	4460536	1	Receptacle, Female - 3 Position	
2	4640464	3	Pin, Male	
3	4460899	1	Receptacle, Female - 6 Position	
3	4460464	6	Pin, Male	

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FIGURE 8-24. BREAKER BOX KIT WITH SINGLE DOUBLE POLE BREAKER (CE, CIS/EAC & UK CA SPEC)



ART_2902549

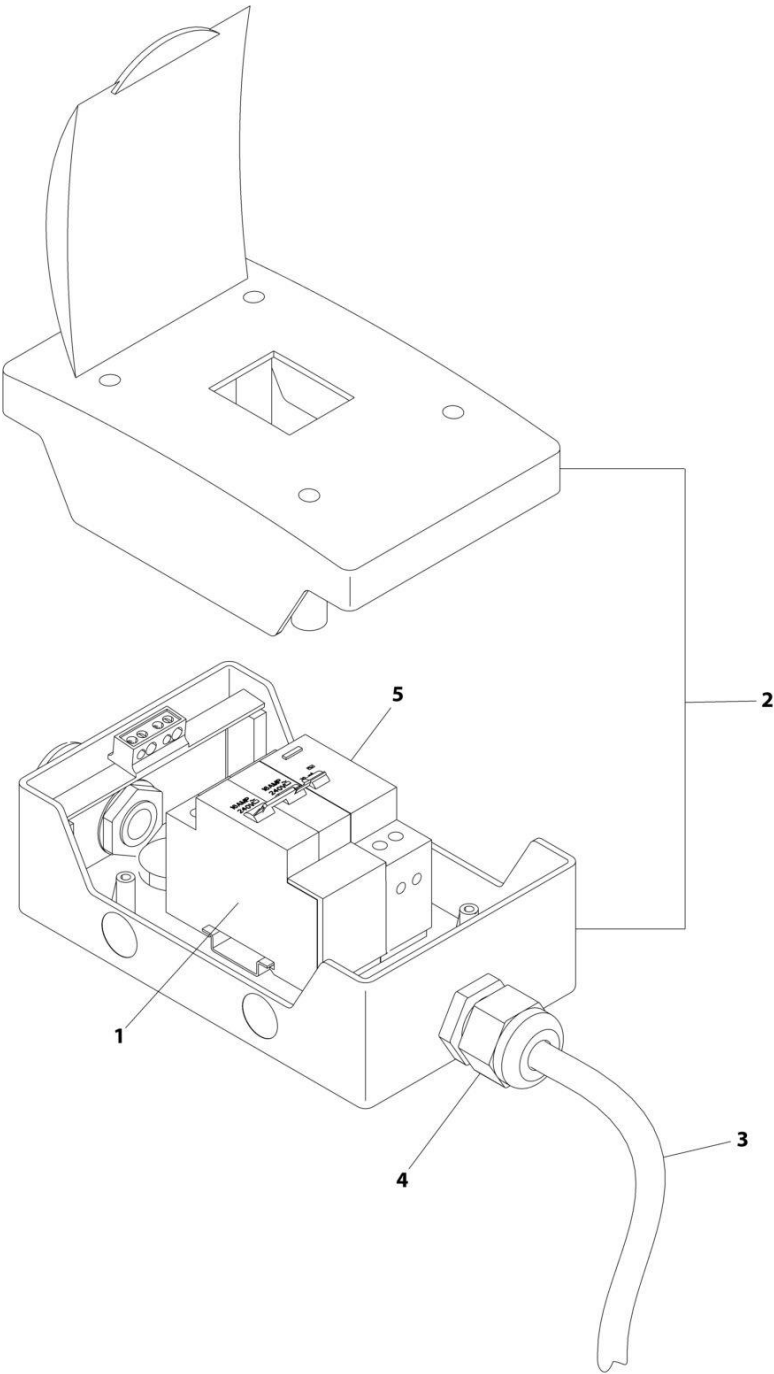
SECTION 8 - ELECTRICAL

FIGURE 8-24. BREAKER BOX KIT WITH SINGLE DOUBLE POLE BREAKER (CE, CIS/EAC & UK CA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902549	Ref	BREAKER BOX KIT - 110/220V 16AMP BREAKER	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, Combination 16Amp/30mAmp	

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FIGURE 8-25. BREAKER BOX KIT WITH THREE BREAKERS (CE, CIS/EAC & UK CA SPEC)



ART_1001152485_F

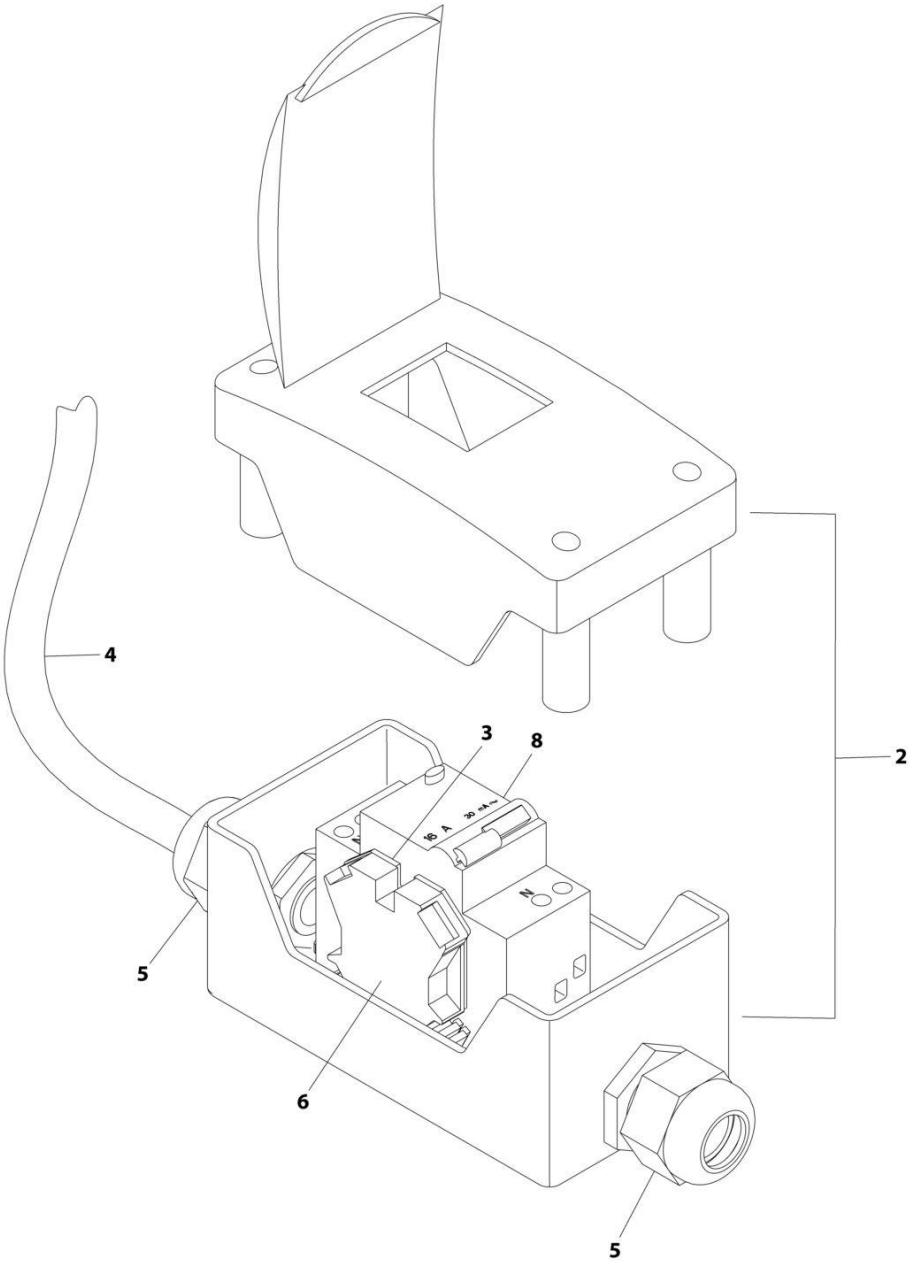
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FIGURE 8-25. BREAKER BOX KIT WITH THREE BREAKERS (CE, CIS/EAC & UK CA SPEC)

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

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FIGURE 8-26. BREAKER BOX KIT - 30MA/16 AMP



ART_1001096070

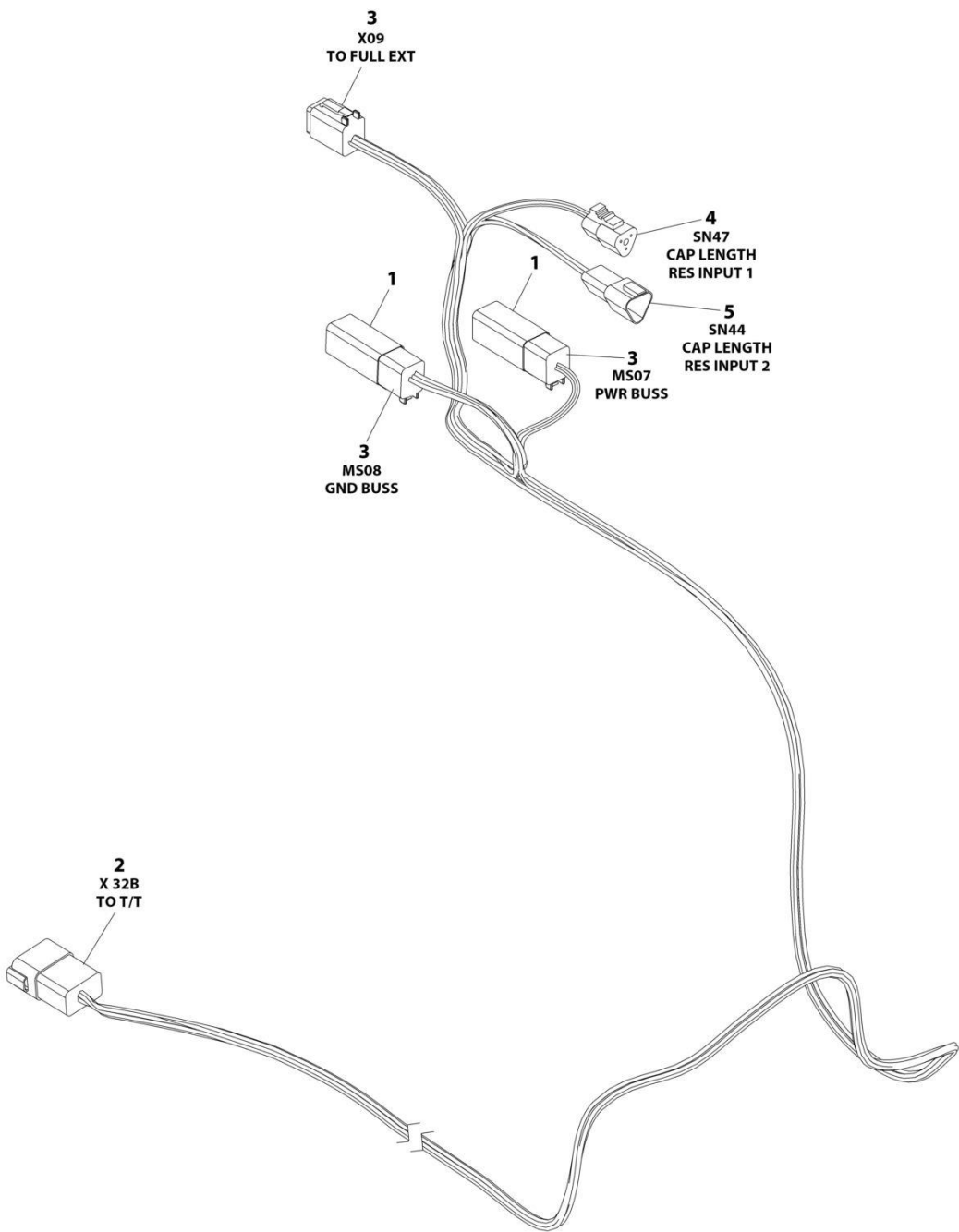
SECTION 8 - ELECTRICAL

FIGURE 8-26. BREAKER BOX KIT - 30MA/16 AMP

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

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FIGURE 8-27. CAPACITY HARNESS



ART_1001263007

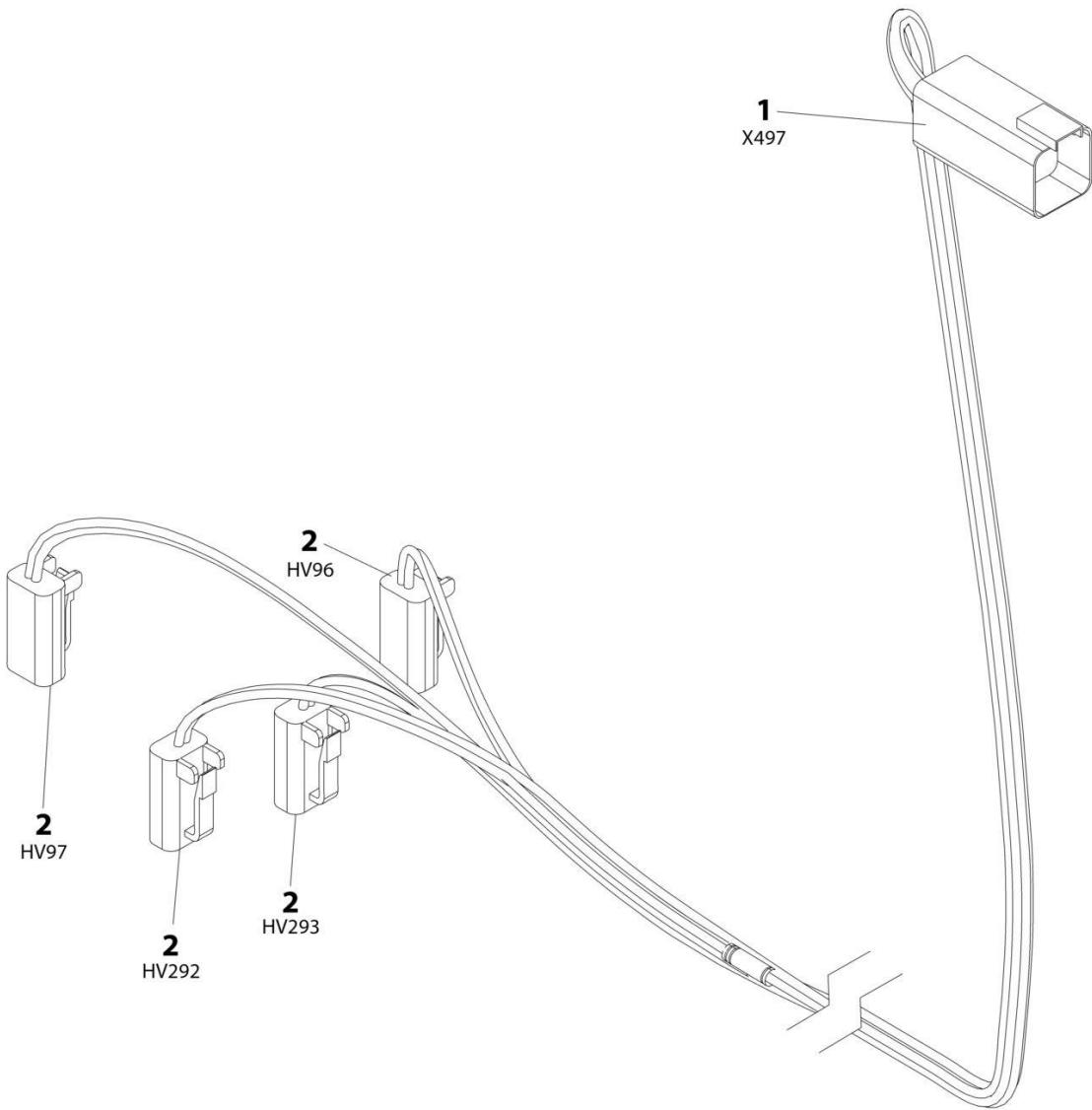
SECTION 8 - ELECTRICAL

FIGURE 8-27. CAPACITY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263007	Ref	CAPACITY HARNESS	C
1	4460892	2	Bussbar - 6 Position	
2	4460931	1	Receptacle, Female - 8 Position	
2	4460464	6	Pin, Male	
2	4460466	2	Plug, Terminal	
3	4460894	3	Plug, Male - 6 Position	
3	4460465	16	Socket, Female	
3	4460466	2	Plug, Terminal	
4	4460539	1	Plug, Male - 3 Position	
4	4460465	3	Socket, Female	
5	4460536	1	Receptacle, Female	
5	4460464	3	Pin, Male	

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FIGURE 8-28. CHASSIS SOLENOID HARNESS



ART_1001179236

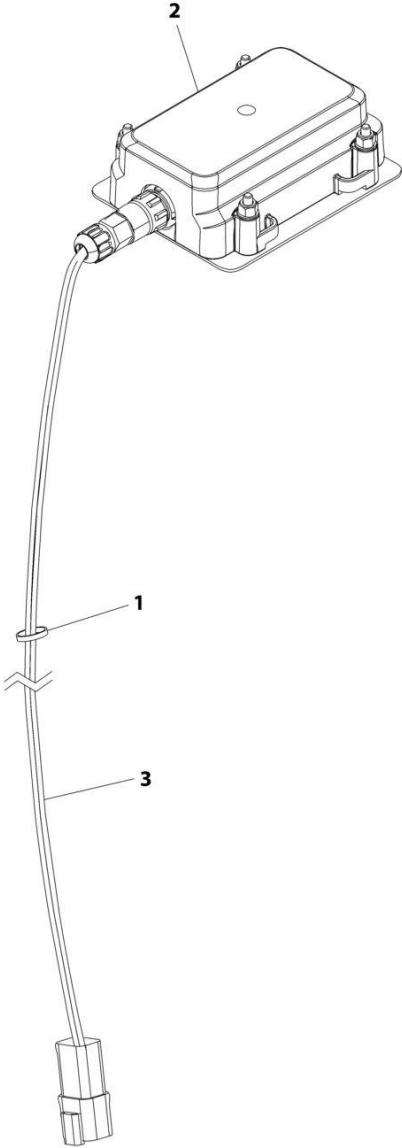
SECTION 8 - ELECTRICAL

FIGURE 8-28. CHASSIS SOLENOID HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179236	Ref	CHASSIS SOLENOID HARNESS	A
1	4460899	1	Receptacle, Female - 6 Position	
1	4460464	6	Pin, Male	
2	4460891	4	Plug, Male - 2 Position	
2	4460465	8	Socket, Female	

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FIGURE 8-29. CLEARSKY 3-WIRE CONNECTION INSTALLATION



ART_1001276610

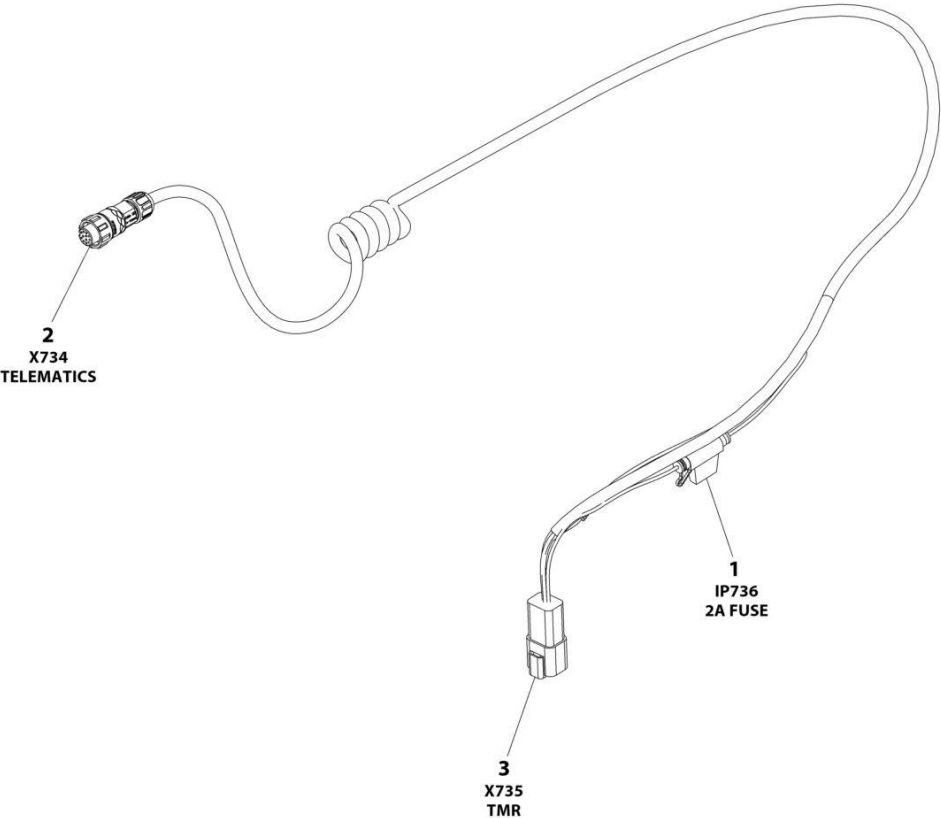
SECTION 8 - ELECTRICAL

FIGURE 8-29. CLEARSKY 3-WIRE CONNECTION INSTALLATION

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

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FIGURE 8-30. CLEARSKY TELEMATICS HARNESS



ART_1001273012

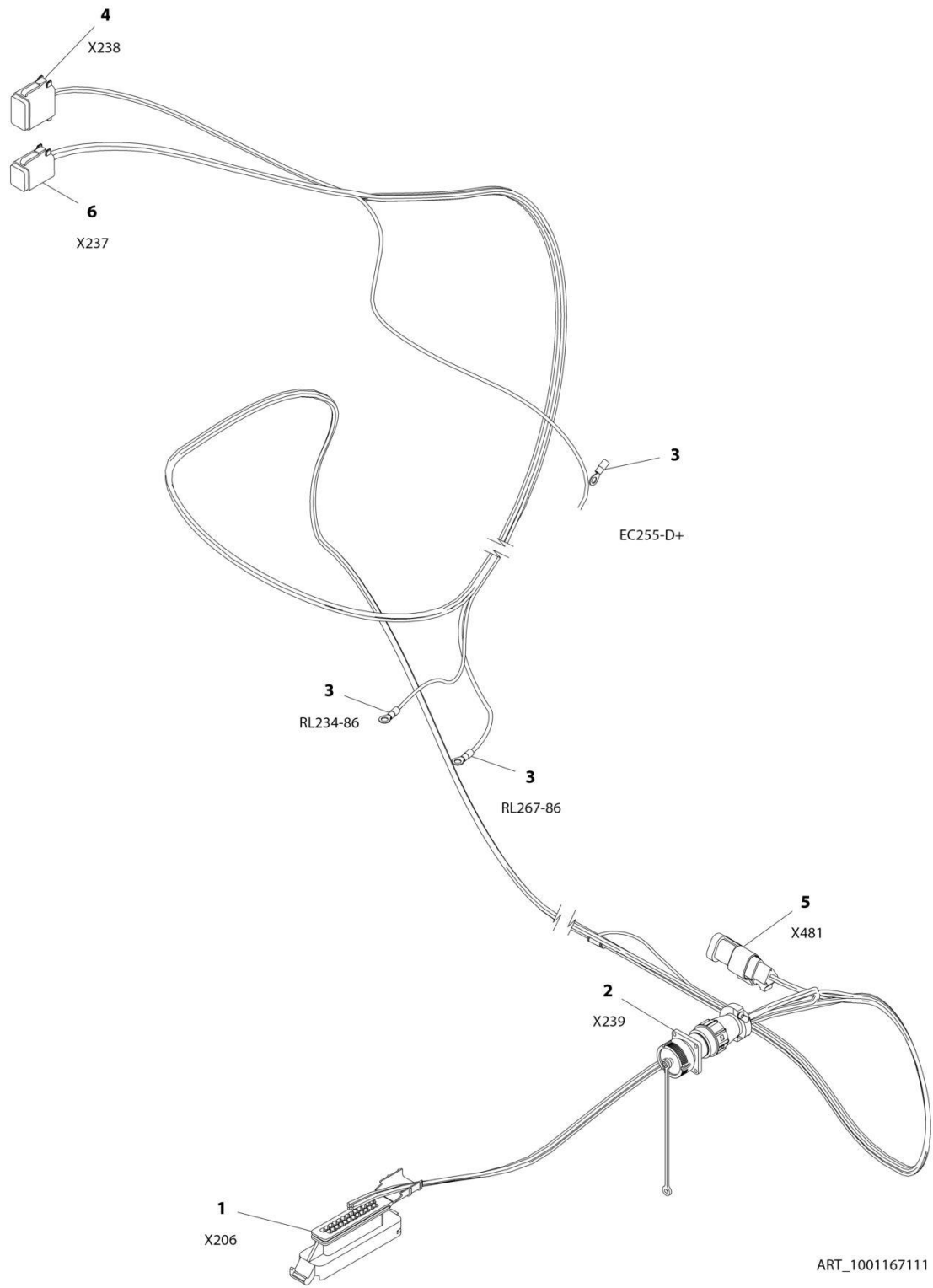
SECTION 8 - ELECTRICAL

FIGURE 8-30. CLEARSKY TELEMATICS HARNESS

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

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FIGURE 8-31. ENGINE HARNESS - DEUTZ D2011



ART_1001167111

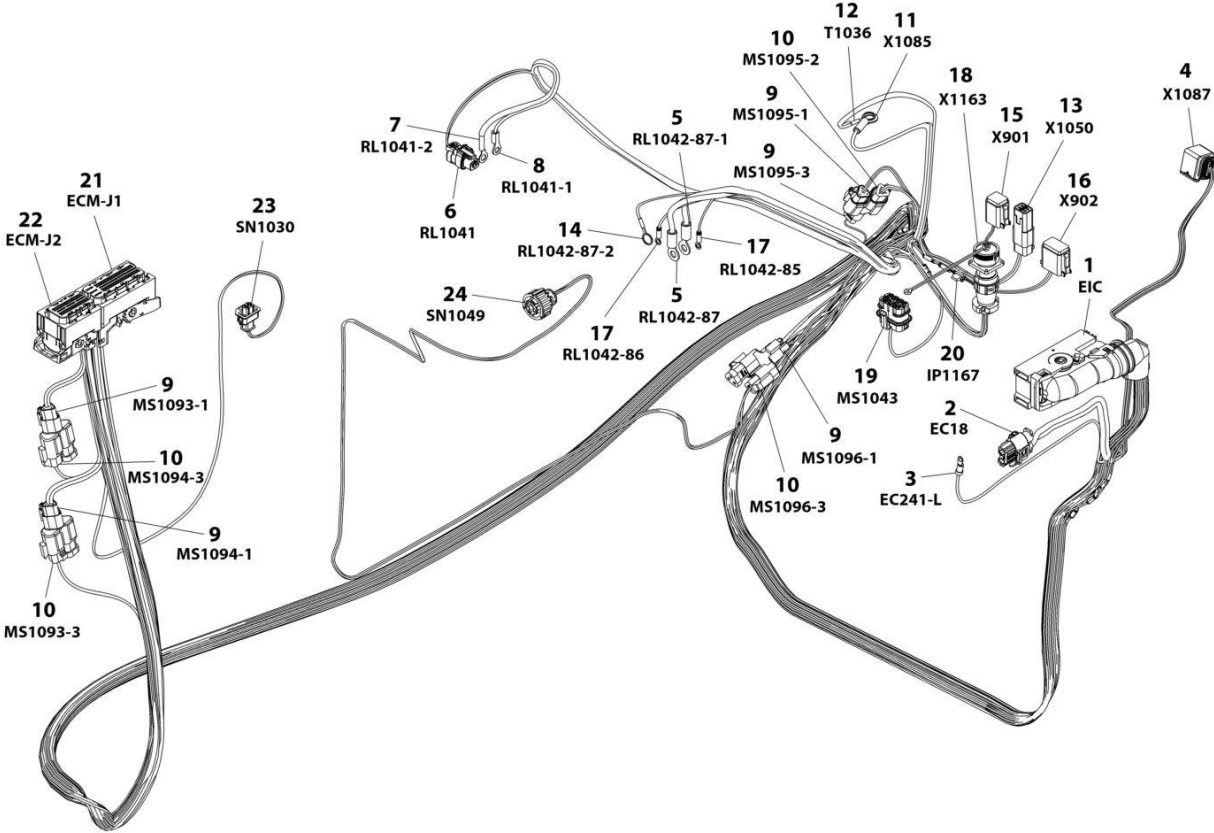
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FIGURE 8-31. ENGINE HARNESS - DEUTZ D2011

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

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FIGURE 8-32. ENGINE HARNESS - DEUTZ D2.9L4 ENGINE (STAGE V)



ART_1001245839

SECTION 8 - ELECTRICAL

FIGURE 8-32. ENGINE HARNESS - DEUTZ D2.9L4 ENGINE (STAGE V)

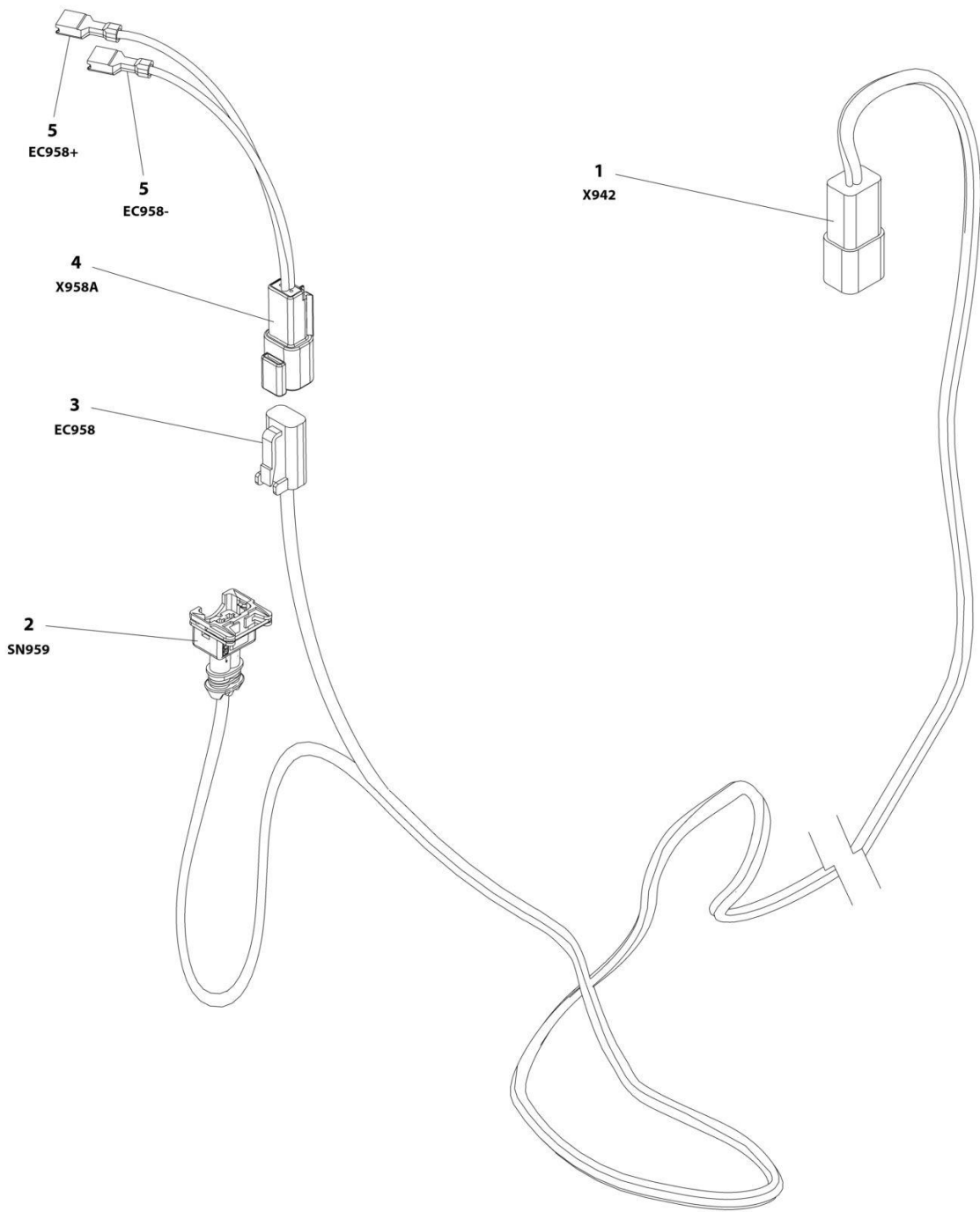
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245839	Ref	ENGINE HARNESS - DEUTZ (STAGE V)	F
1	1001126362	1	Connector - 62 Position	
1	1001126363	37	Terminal	
1	1001126391	7	Seal, Terminal	
1	1001126392	12	Terminal	
1	4461008	4	Seal, Terminal	
1	1001167632	2	Terminal	
1	1001126364	36	Seal, Terminal	
1	1001223459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

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

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FIGURE 8-33. FUEL HARNESS - DEUTZ D2.9L4 ENGINE



ART_1001181358

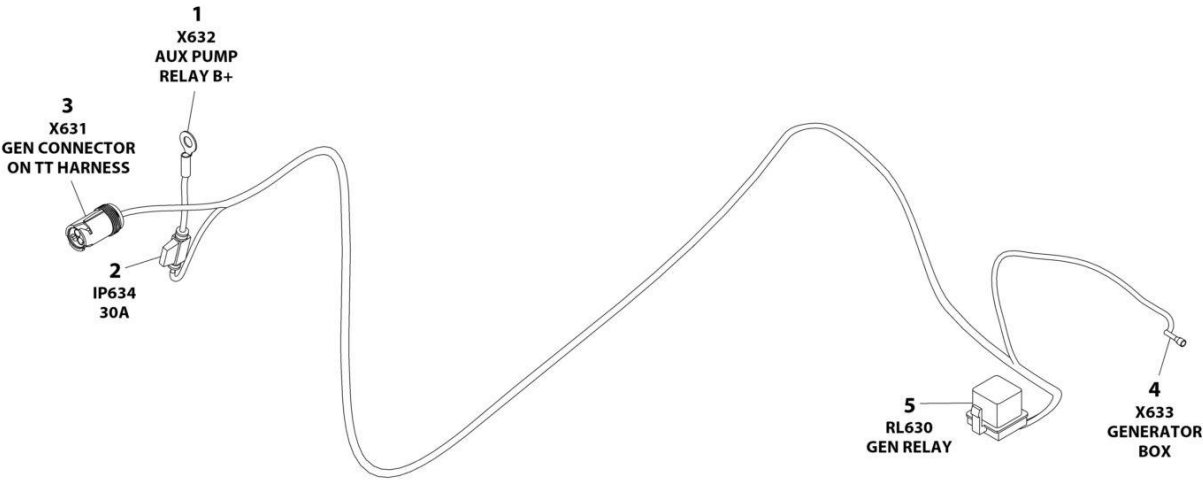
SECTION 8 - ELECTRICAL

FIGURE 8-33. FUEL HARNESS - DEUTZ D2.9L4 ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181358	Ref	FUEL HARNESS - DEUTZ D2.9L4 ENGINE	D
1	4460932	1	Receptacle, Female - 4 Position	
1	4460464	2	Pin, Male	
1	4460941	2	Pin, Male	
2	1001116983	1	Plug, Male - 2 Position	
2	4461060	2	Socket, Female	
2	4461054	2	Seal	
3	4460891	1	Plug, Male - 2 Position	
3	4460942	2	Socket, Female	
4	4460897	1	Receptacle, Female - 2 Position	
4	4460941	2	Pin, Male	
5	8220051	2	Coupler, Female	

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FIGURE 8-34. GENERATOR HARNESS - 2500W GENERATOR (50HZ)



ART_1001187352

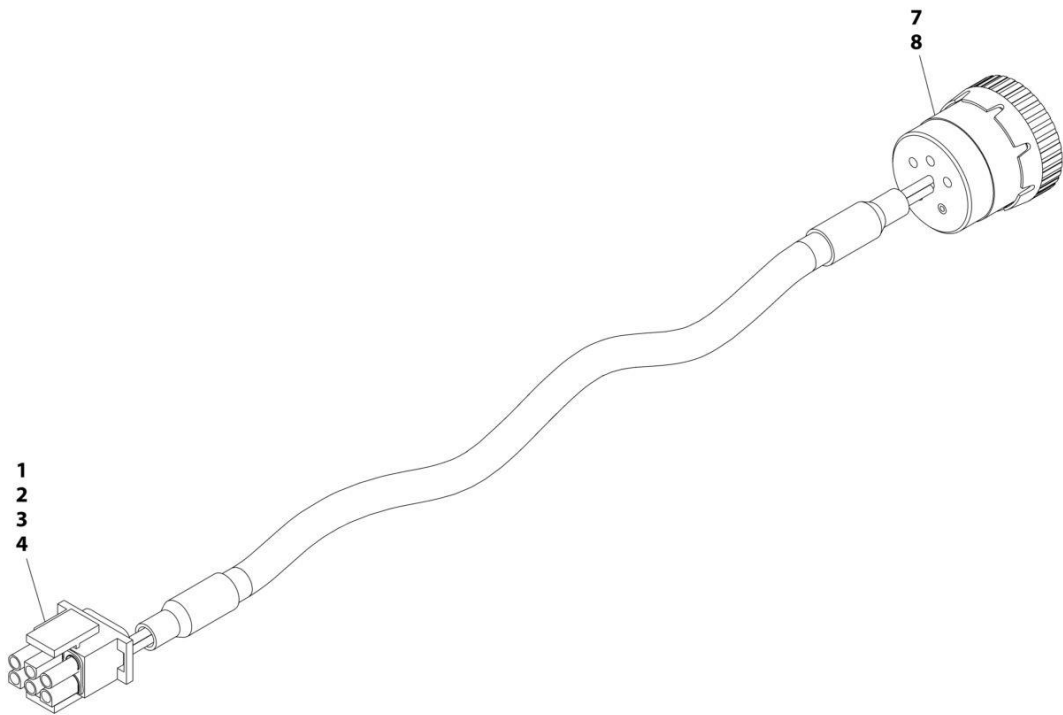
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FIGURE 8-34. GENERATOR HARNESS - 2500W GENERATOR (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187352	Ref	GENERATOR HARNESS - 2500W GENERATOR (50HZ)	A
1	8220045	1	Terminal, Ring	
2	2400060	1	Holder, Fuse	
2	8229245	1	Fuse 30Amp	
3	1001154726	1	Connector - 3 Position	
3	4460464	2	Pin, Male	
3	4460466	1	Plug, Terminal	
4	1001100231	1	Terminal	
5	1001117057	1	Plug, Relay	
5	1001116734	2	Terminal	
5	1001116732	2	Terminal	

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FIGURE 8-35. GENERATOR HARNESS - 4000W GENERATOR



ART_1001152532

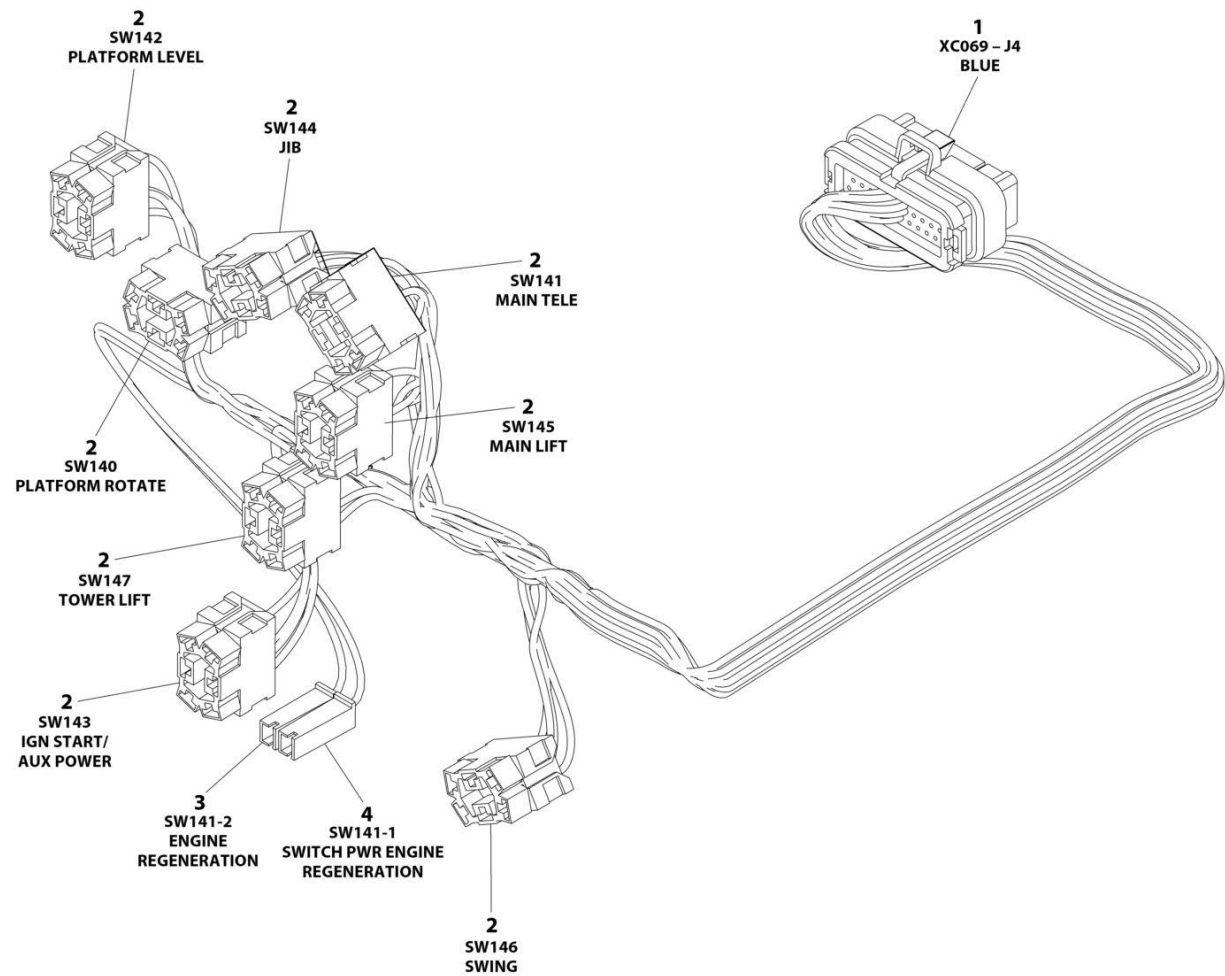
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FIGURE 8-35. GENERATOR HARNESS - 4000W GENERATOR

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

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FIGURE 8-36. GROUND CONTROL PANEL HARNESS



ART_1001244295

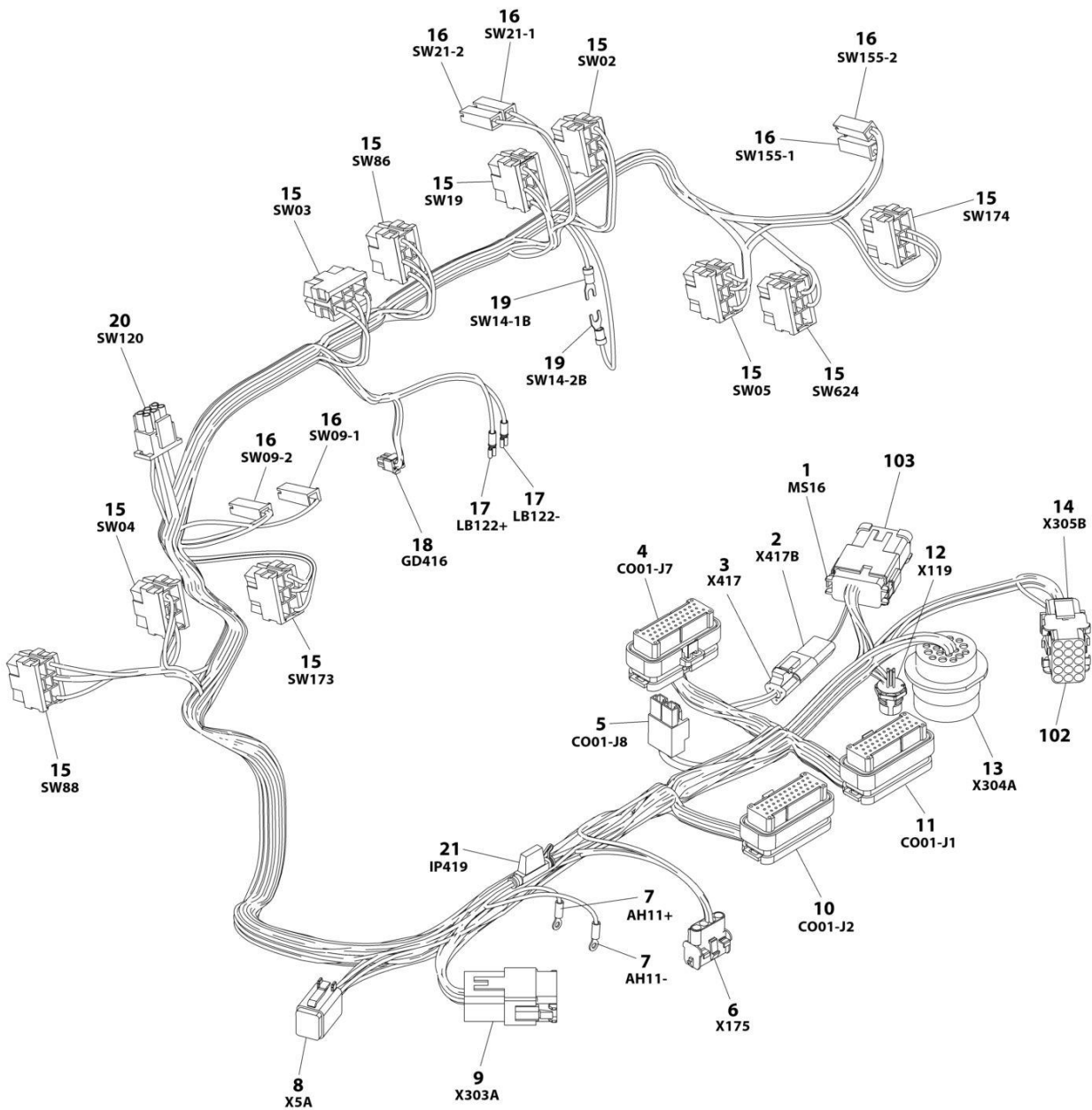
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FIGURE 8-36. GROUND CONTROL PANEL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244295	Ref	GROUND CONTROL PANEL HARNESS	C
1	4460876	1	Connector - 35 Position	
1	4460871	18	Socket, Female	
1	4460905	17	Plug, Terminal	
2	4460418	8	Connector - 6 Position	
2	4460419	16	Terminal	
2	1001159186	16	Terminal	
3	4460260	2	Housing, Terminal	
3	4460259	2	Terminal	
4	4460260	1	Terminal, Housing	
4	4460259	1	Terminal	

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FIGURE 8-37. PLATFORM CONSOLE BOX HARNESS



ART_1001238254

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FIGURE 8-37. PLATFORM CONSOLE BOX HARNESS

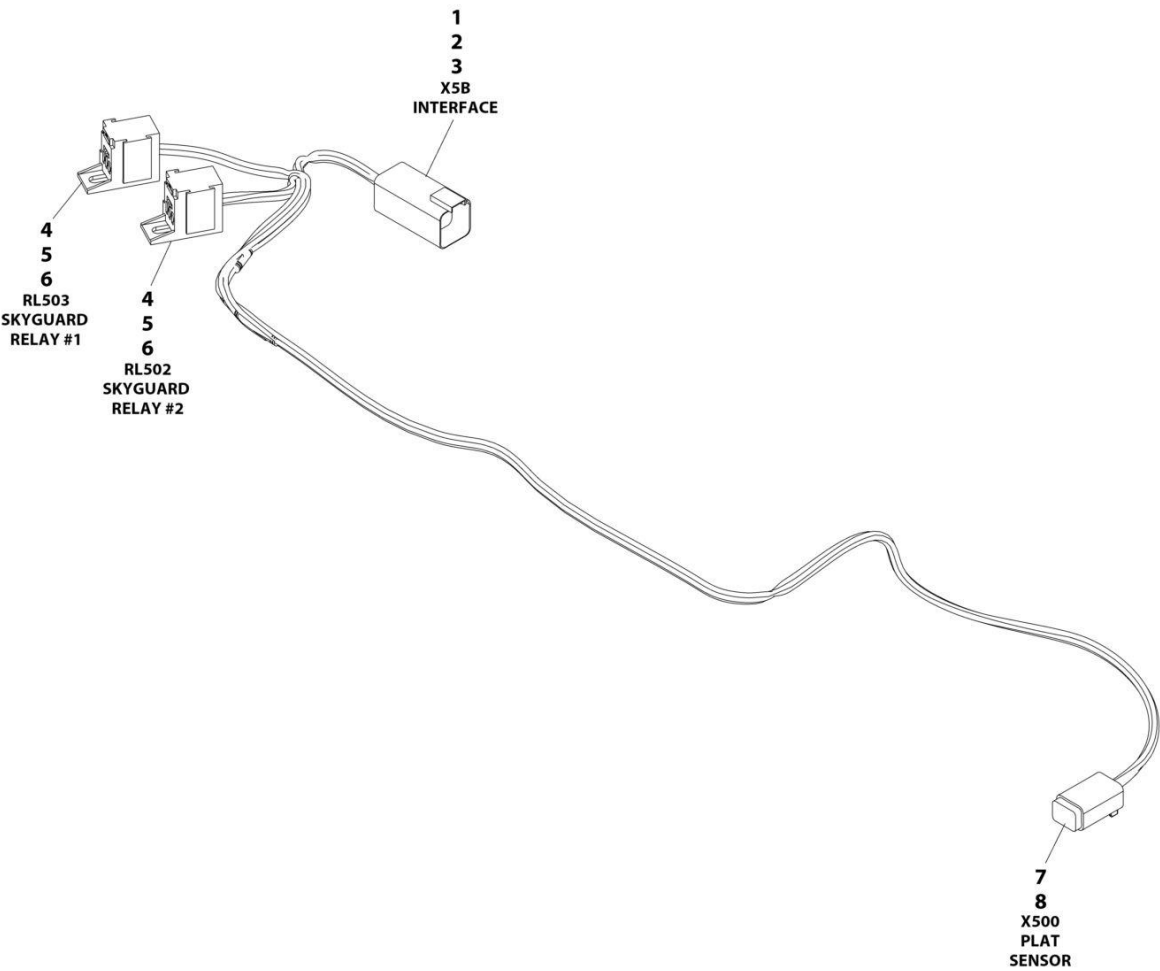
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238254	Ref	PLATFORM CONSOLE BOX HARNESS	H
1	4460933	1	Plug, Male - 12 Position	
1	4460465	10	Socket, Female	
1	4460466	2	Plug, Terminal	
2	4460536	1	Receptacle, Female - 3 Position	
2	4460464	2	Pin, Male	
2	4460466	1	Plug, Terminal	
3	4460539	1	Plug, Male - 3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

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

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FIGURE 8-38. PLATFORM INTERFACE HARNESS



ART_1001225580

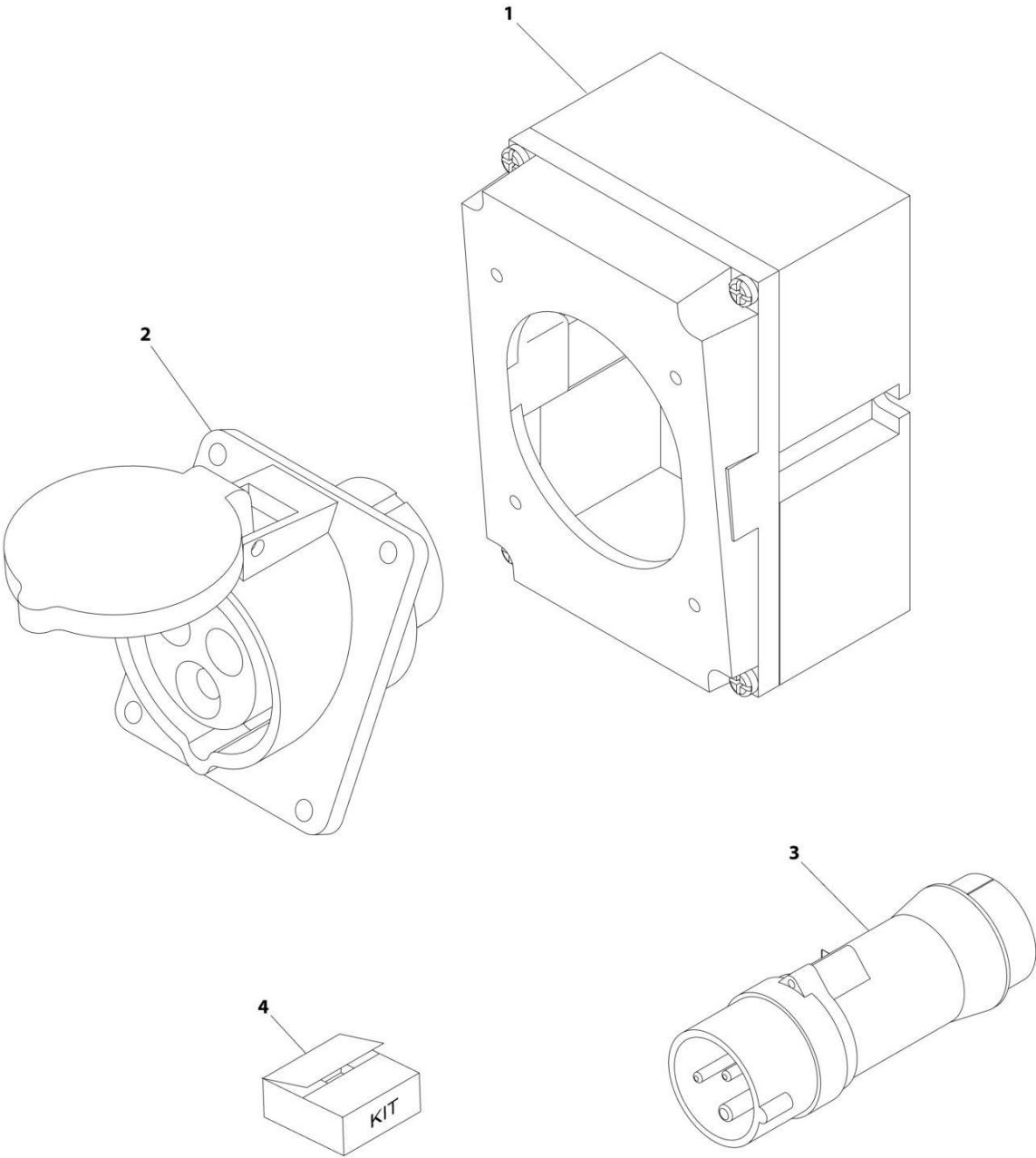
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FIGURE 8-38. PLATFORM INTERFACE HARNESS

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	

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FIGURE 8-39. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE, CIS/EAC & UK CA SPEC)



ART_0275216

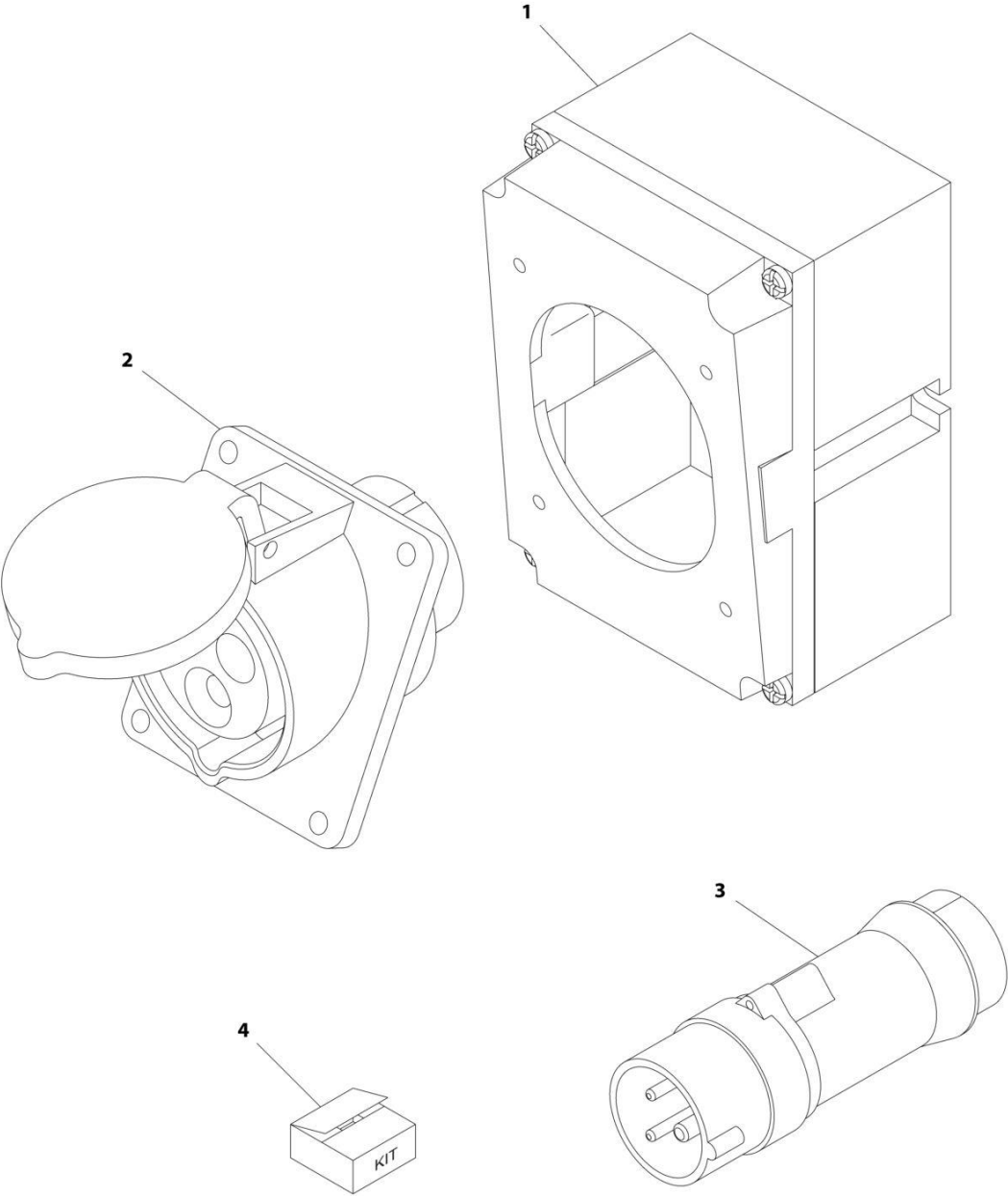
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FIGURE 8-39. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE, CIS/EAC & UK CA SPEC)

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

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FIGURE 8-40. RECEPTACLE BOX KIT - 220V IEC BLUE (CE, CIS/EAC & UK CA SPEC)



ART_0275217

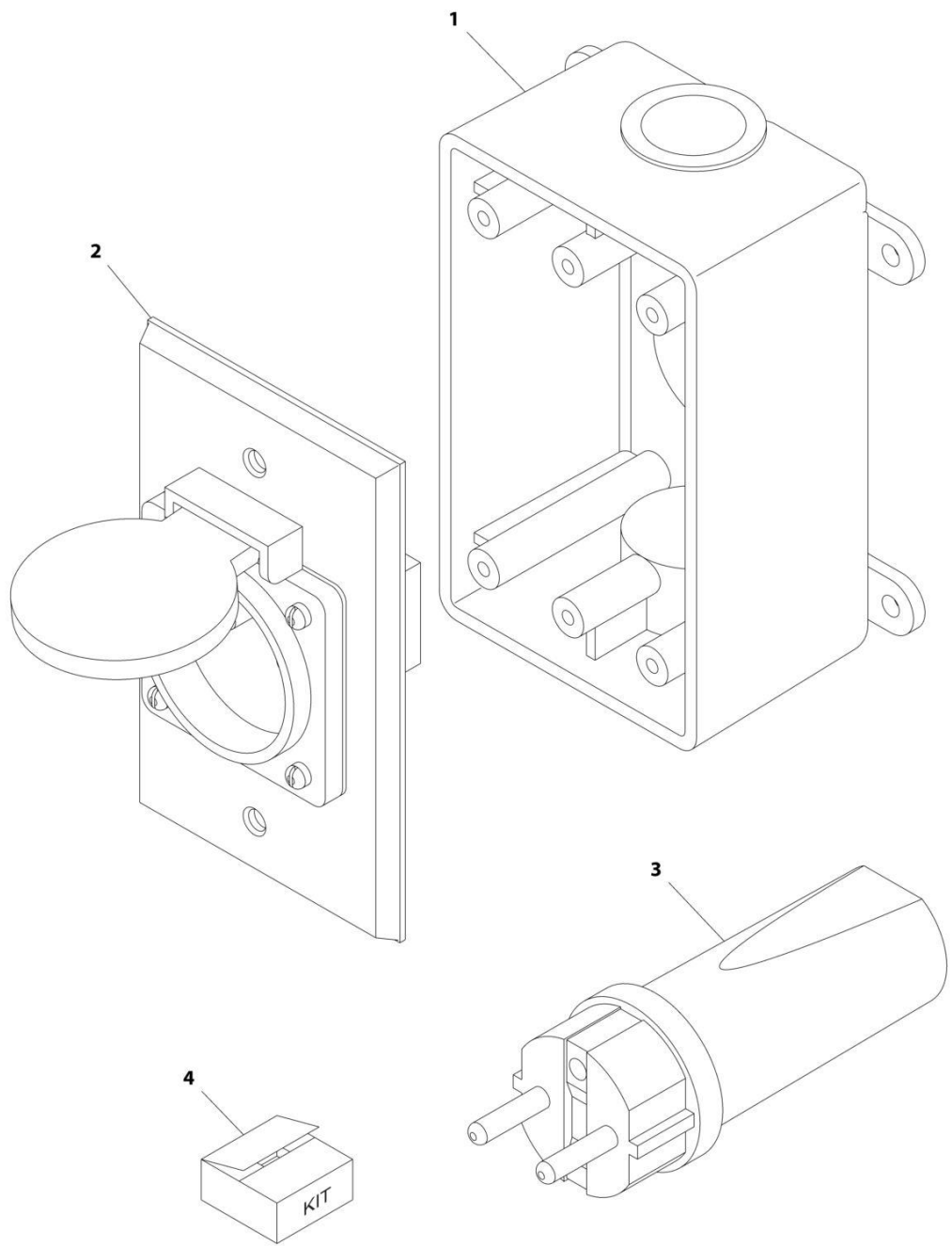
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FIGURE 8-40. RECEPTACLE BOX KIT - 220V IEC BLUE (CE, CIS/EAC & UK CA SPEC)

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

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FIGURE 8-41. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN BOX (CE, CIS/EAC & UK CA SPEC)



ART_0275452

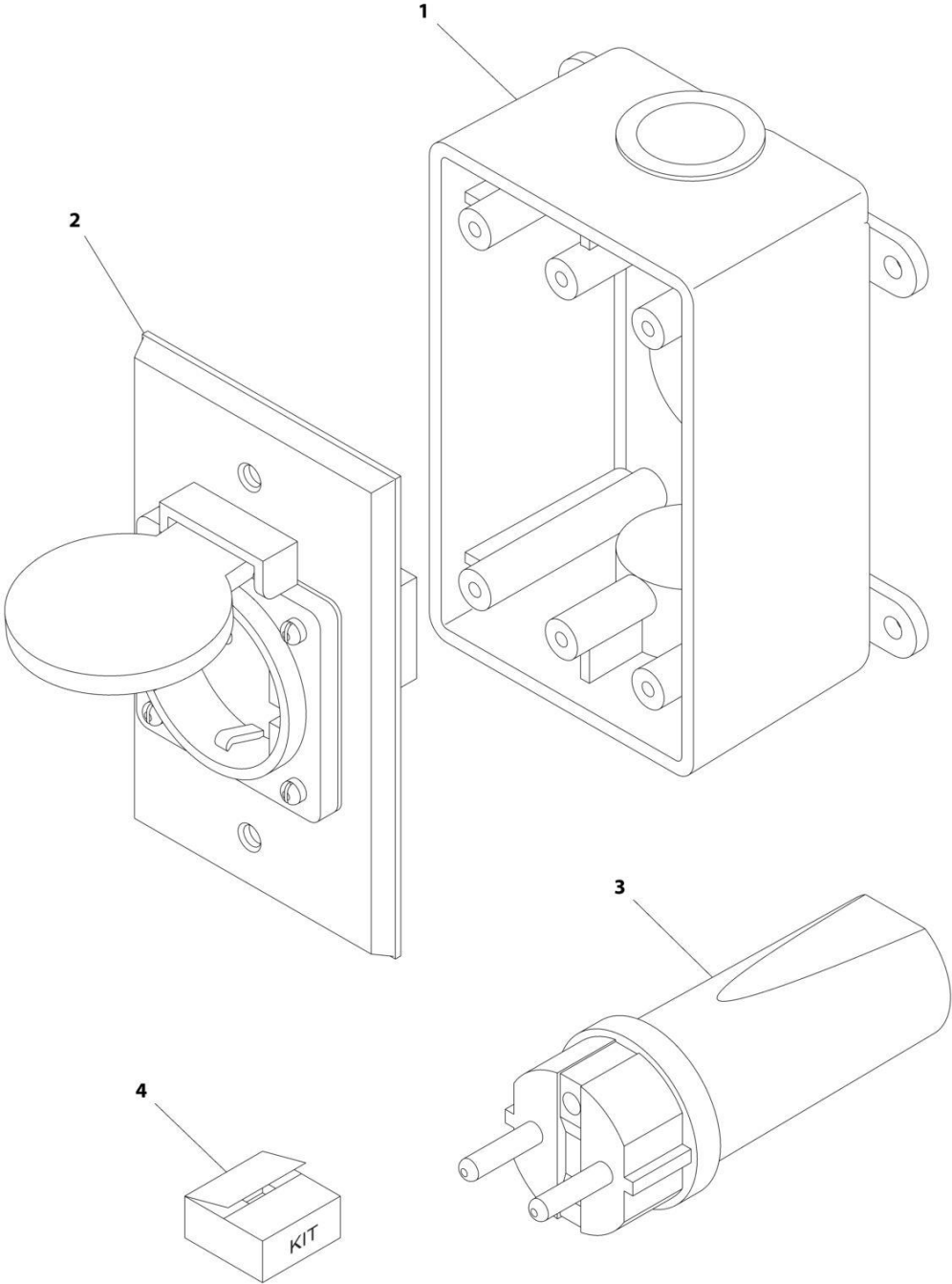
SECTION 8 - ELECTRICAL

FIGURE 8-41. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN BOX (CE, CIS/EAC & UK CA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275452	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND	C
1	0861731	1	Box, Switch	
2	4461244	1	Receptacle	
3	4461205	1	Plug, Male	
4	1001100345	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461206)	

SECTION 8 - ELECTRICAL

FIGURE 8-42. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN BOX (CE, CIS/EAC & UK
CA SPEC)



ART_0275453

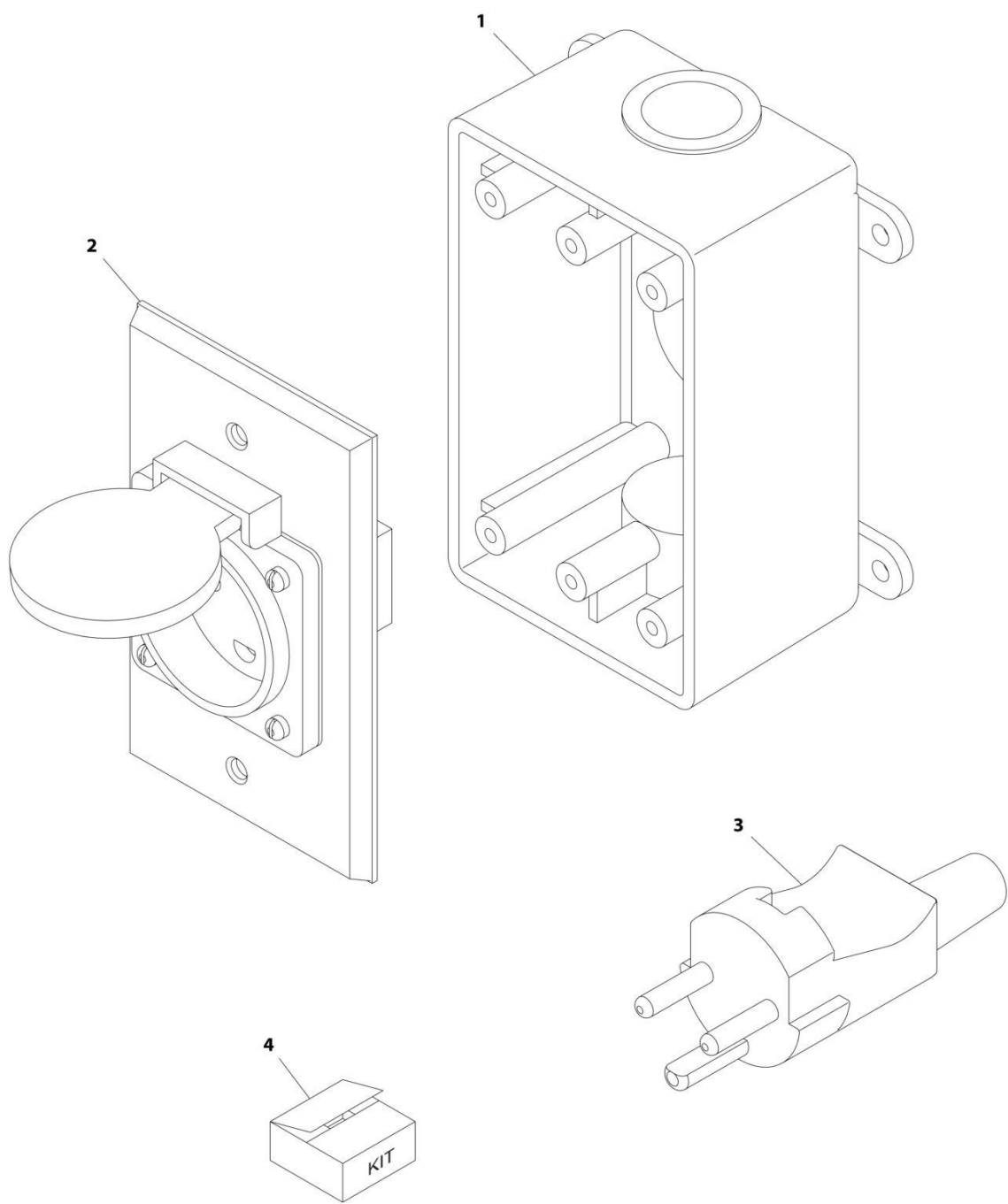
SECTION 8 - ELECTRICAL

FIGURE 8-42. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN BOX (CE, CIS/EAC & UK CA SPEC)

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

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FIGURE 8-43. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE, CIS/EAC & UK CA SPEC)



ART_0275454

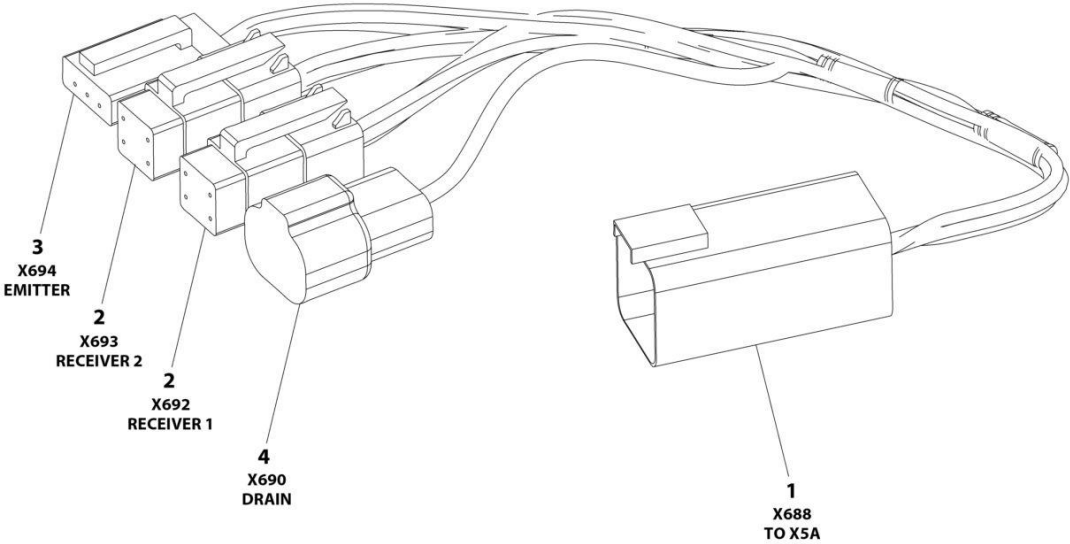
SECTION 8 - ELECTRICAL

FIGURE 8-43. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE, CIS/EAC & UK CA SPEC)

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

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FIGURE 8-44. SKYEYE INTERMEDIATE HARNESS



ART_1001237865

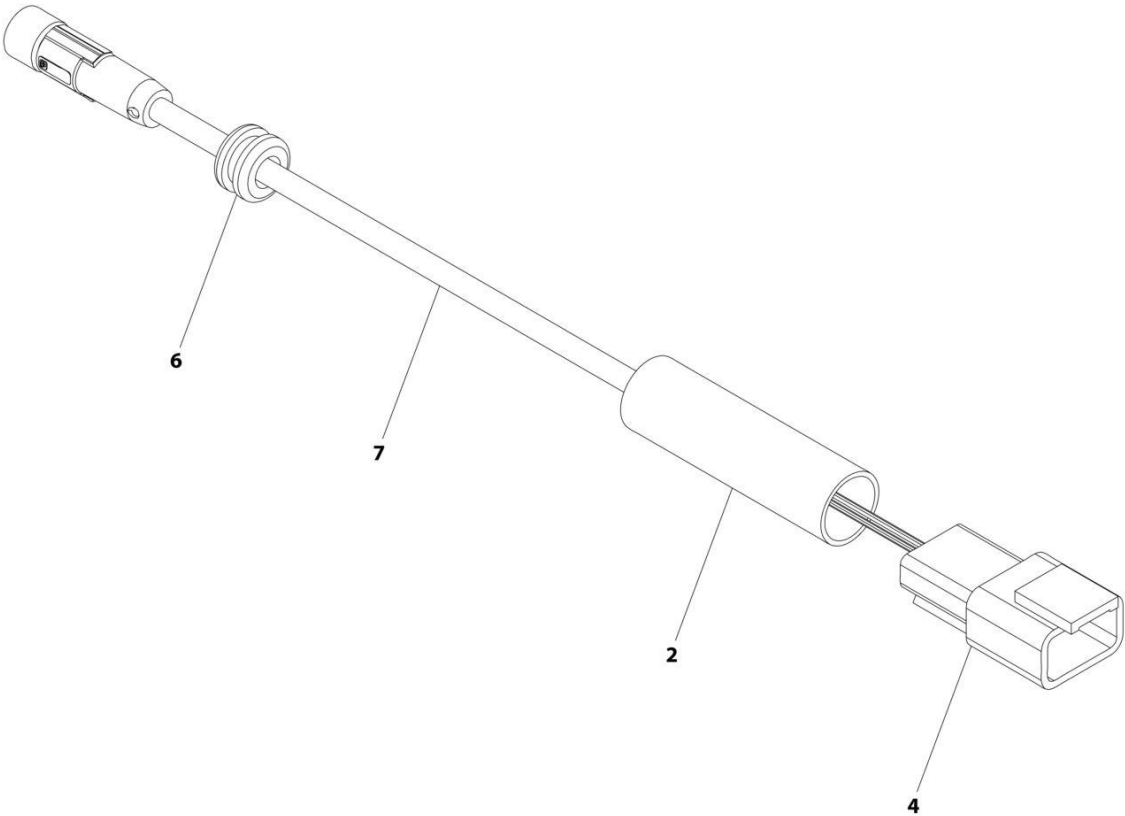
SECTION 8 - ELECTRICAL

FIGURE 8-44. 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	

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FIGURE 8-45. SKYEYE RECEIVER HARNESS



ART_1001237863_B

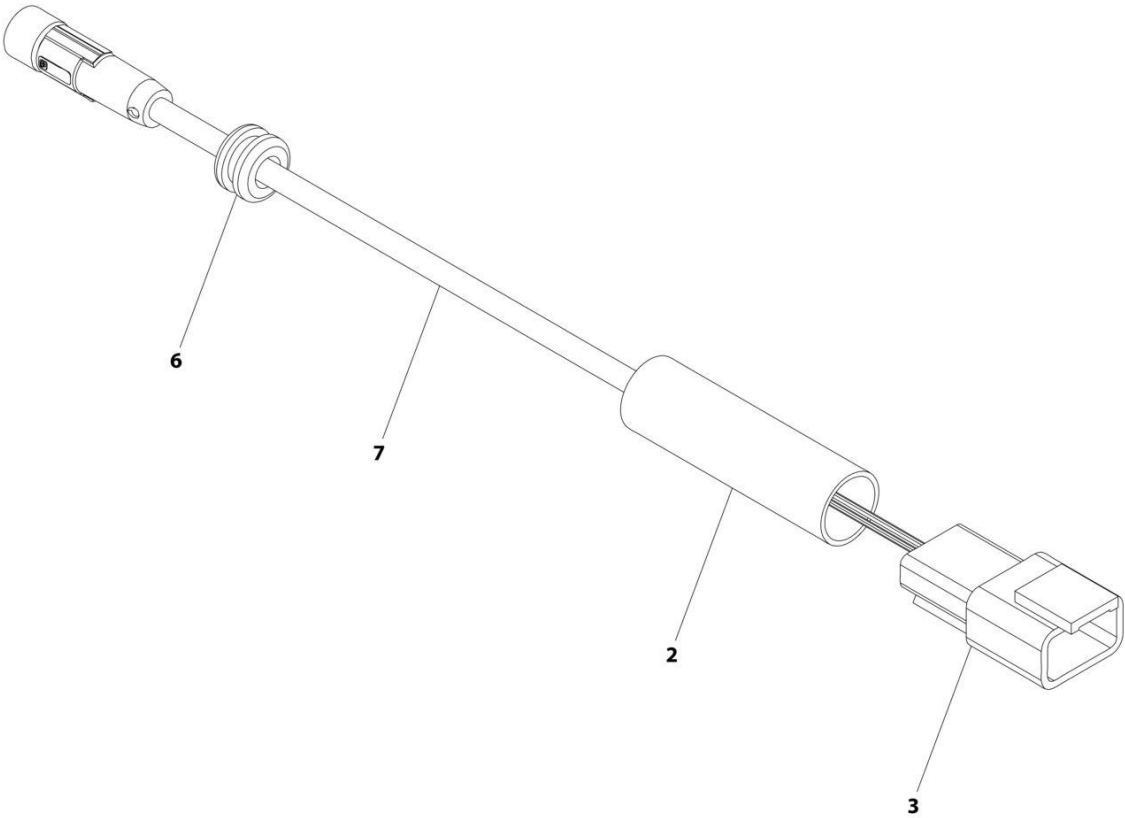
SECTION 8 - ELECTRICAL

FIGURE 8-45. SKYEYE RECEIVER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237863	Ref	SKYEYE RECEIVER HARNESS	B
2	2820247	AR	Tubing, Heat Shrink	
4	1001097051	1	Connector - 4 Position	
4	1001119620	4	Pin, Male	
6	1001227996	1	Grommet	
7	1001258495	1	Cable, M8 Female Cordset	

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FIGURE 8-46. SKYEYE EMITTER HARNESS



ART_1001237864_B

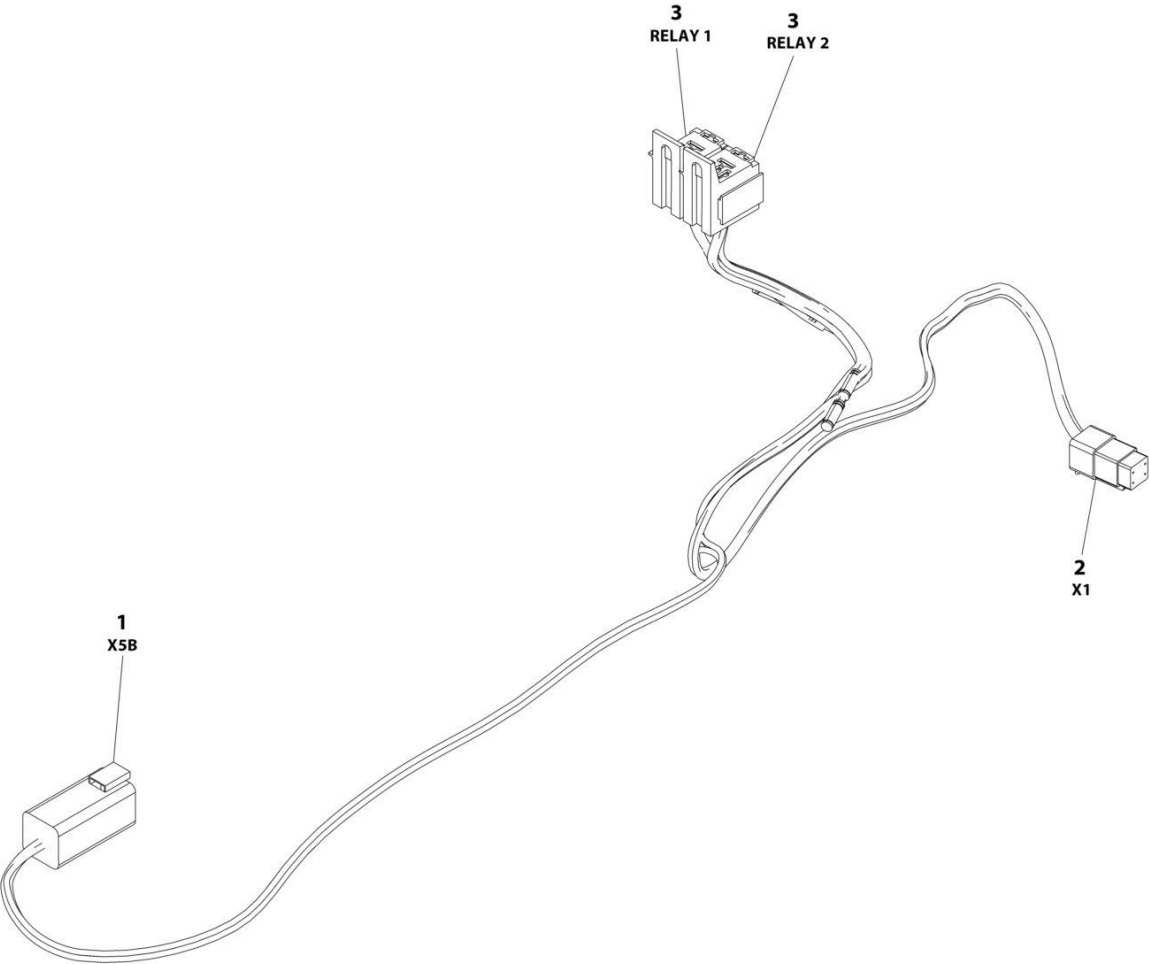
SECTION 8 - ELECTRICAL

FIGURE 8-46. SKYEYE EMITTER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237864	Ref	SKYEYE EMITTER HARNESS	B
2	2820247	AR	Tubing, Heat Shrink	
3	4460910	1	Connector - 3 Position	
3	1001119620	3	Pin, Male	
6	1001227996	1	Grommet	
7	1001258495	1	Cable, M8 Female Cordset	

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FIGURE 8-47. SKYLINE HARNESS



ART_1001238418

SECTION 8 - ELECTRICAL

FIGURE 8-47. 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	

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FIGURE 8-48. TRANSPORT HARNESS



ART_1001263008

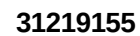
SECTION 8 - ELECTRICAL

FIGURE 8-48. TRANSPORT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263008	Ref	TRANSPORT HARNESS	B
1	4460899	1	Receptacle, Female - 6 Position	
1	4460464	3	Pin, Male	
1	4460466	3	Plug, Terminal	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	

406

520AJ HC3



ART_1001244293

SECTION 8 - ELECTRICAL

FIGURE 8-49. TURNTABLE HARNESS

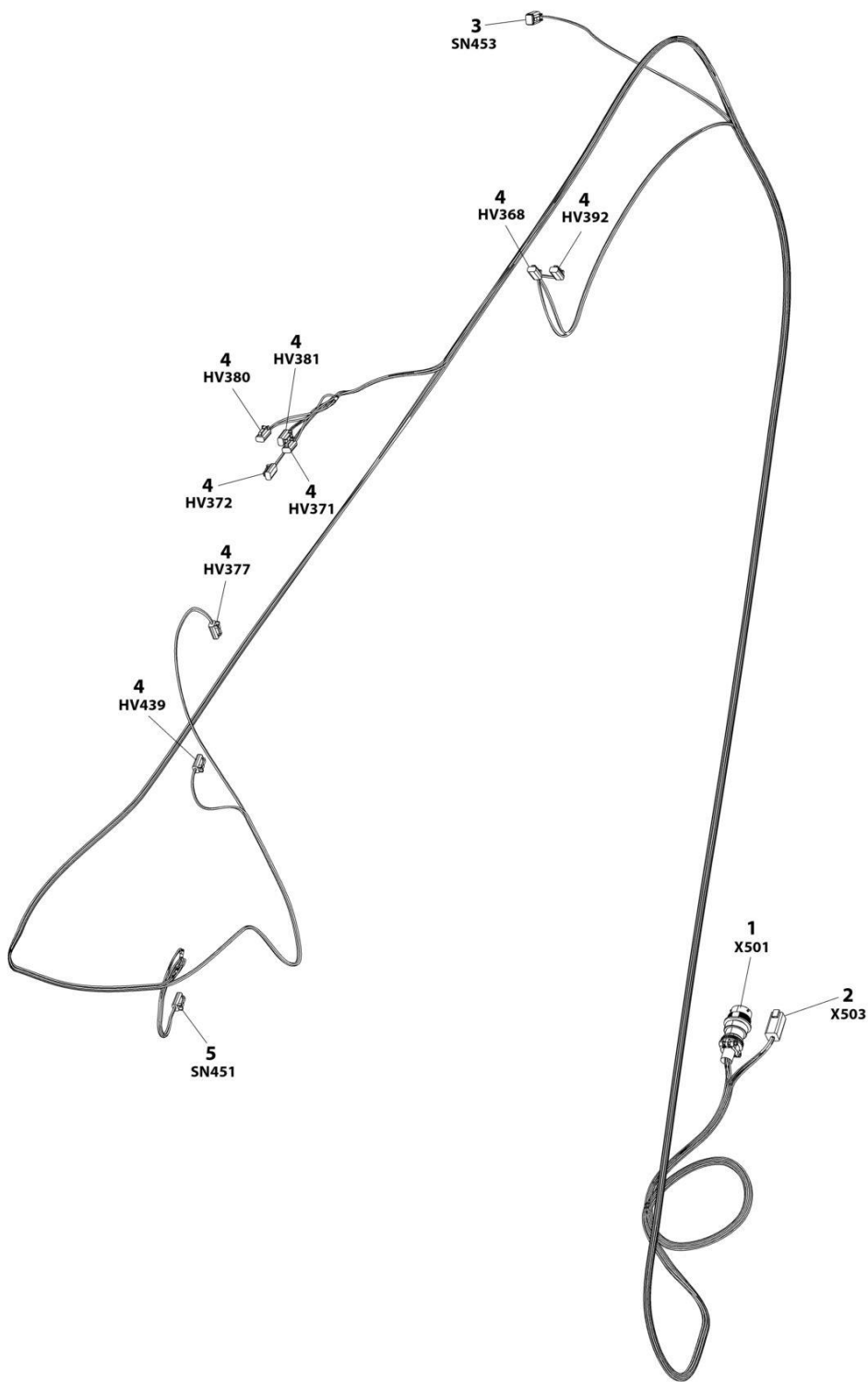
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244293	Ref	TURNTABLE HARNESS	D
1	1001117070	1	Fuseholder with 30Amp Fuse	
1	See Note	1	Fuse 30Amp (Note: Not Available - Purchase Locally)	
1	1001116734	2	Terminal, Female	
2	4460967	1	Connector - 3 Position	
2	4460465	3	Socket, Female	
3	4460247	1	Terminal, Ring	
4	8220045	2	Terminal, Ring	
5	4460742	2	Plug, Male - 2 Position	
5	4460743	4	Socket, Female	
5	4460458	4	Seal, Terminal	
6	4460899	1	Receptacle, Female - 6 Position	
6	4460464	3	Pin, Male	
6	4460943	2	Pin, Male	
6	4460466	1	Plug, Terminal	
7	4460931	1	Receptacle, Female	
7	4460464	5	Pin, Male	
7	4460466	3	Plug, Terminal	
8	4460865	1	Connector - 19 Position	
8	4460465	6	Socket, Female	
8	4460509	2	Socket, Female	
8	4460466	11	Plug, Terminal	
8	1321647	1	Clamp	
9	4460894	5	Plug, Male - 6 Position	
9	4460465	24	Socket, Female	
9	4460466	6	Plug, Terminal	
10	4460884	3	Plug, Male - 4 Position	
10	4460465	8	Socket, Female	
10	4460466	4	Plug, Terminal	
11	1001103012	1	Connector - 4 Position	
11	1001107854	4	Socket, Female	
11	1001104498	4	Seal, Terminal	
12	4460930	1	Plug, Male - 8 Position	
12	4460465	6	Socket, Female	
12	4460466	2	Seal, Terminal	
13	4460874	1	Connector - 35 Position	
13	4460871	21	Socket, Female	
14	4460905	14	Plug, Terminal	
14	4460836	2	Connector - 12 Position	
14	4460465	16	Socket, Female	
14	4460466	8	Plug, Terminal	
14	4460837	2	Bussbar - 12 Position	
15	1001112612	1	Connector - 9 Position	
15	4460464	3	Pin, Male	
15	4460943	2	Pin, Male (Gold)	
15	4460466	4	Plug, Terminal	
16	4460761	1	Receptacle, Female - 4 Position	
16	4460267	4	Pin, Male	
17	2400060	1	Holder, Fuse	
17	8229242	1	Fuse 5Amp	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	1001113961	1	Plug, Male - 8 Position	
18	4460871	5	Socket, Female	
18	4460905	3	Plug, Terminal	
19	4460878	1	Plug, Male - 4 Position	
19	4460887	4	Terminal	
20	4460933	2	Plug, Male - 12 Position	
20	4460465	12	Socket, Female	
20	4460466	11	Plug, Terminal	
20	1001125677	2	Bussbar - 12 Position	
20	1001120328	2	Clip, Mounting	
21	4460891	1	Plug, Male - 2 Position	
21	4460465	2	Socket, Female	
22	4460873	1	Connector - 35 Position	
22	4460871	28	Socket, Female	
22	4460905	7	Plug, Terminal	
23	1001185964	1	Fuse Box Assembly	
23	8229244	2	Fuse 15Amp	
23	8229242	4	Fuse 5Amp	
23	1001196635	1	Fuse 3Amp	
23	1001129285	2	Fuse with Diode	
23	1001095704	1	Relay	
23	1001116728	14	Terminal, Female	
23	8220125	9	Terminal, Female	
23	4460748	25	Plug, Terminal	
23	4460458	14	Seal, Terminal	
23	80963067	9	Seal, Cable	
24	4460806	4	Terminal, Fork	
25	4460142	3	Terminal, Ring	
26	4460260	2	Housing, Terminal	
26	4460259	2	Terminal	
27	1001237667	1	Connector - 6 Position	
27	1001237668	5	Socket, Female	

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FIGURE 8-50. VALVE HARNESS - BOOM VALVE



ART_1001164738

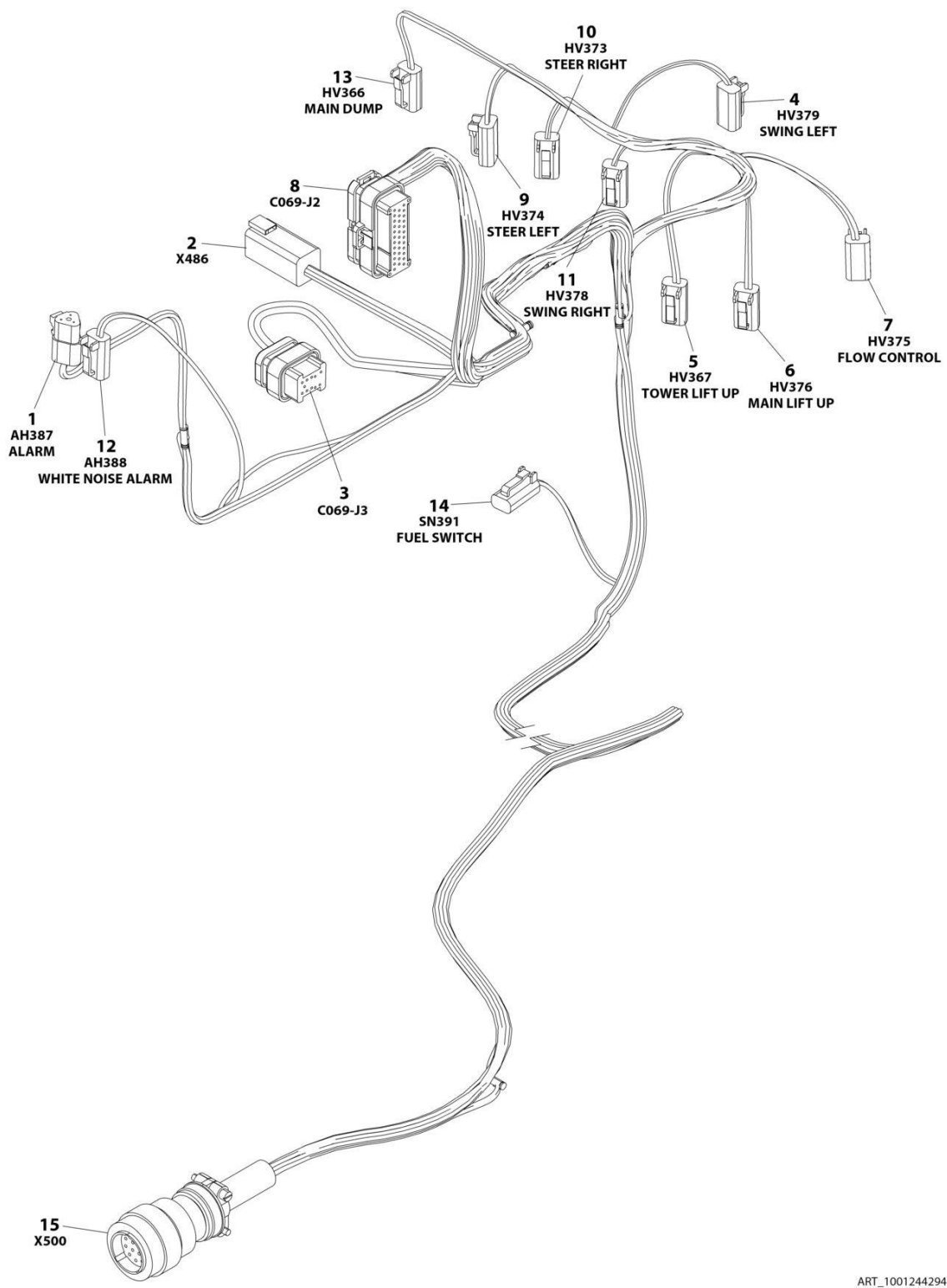
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FIGURE 8-50. VALVE HARNESS - BOOM VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164738	Ref	BOOM VALVE HARNESS	I
1	1001156541	1	Connector - 19 Position	
1	4460464	13	Pin, Male	
1	4460466	1	Plug, Terminal	
2	4460899	1	Connector - 6 Position	
2	4460464	6	Pin, Male	
3	4460884	1	Plug, Male - 4 Position	
3	4460465	2	Socket, Female	
3	4460466	2	Plug, Terminal	
4	4460891	8	Plug, Male - 2 Position	
4	4460465	16	Socket, Female	
5	1001230931	1	Plug, Male - 6 Position	
5	1001116748	6	Terminal	

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FIGURE 8-51. VALVE HARNESS - MAIN VALVE



ART_1001244294

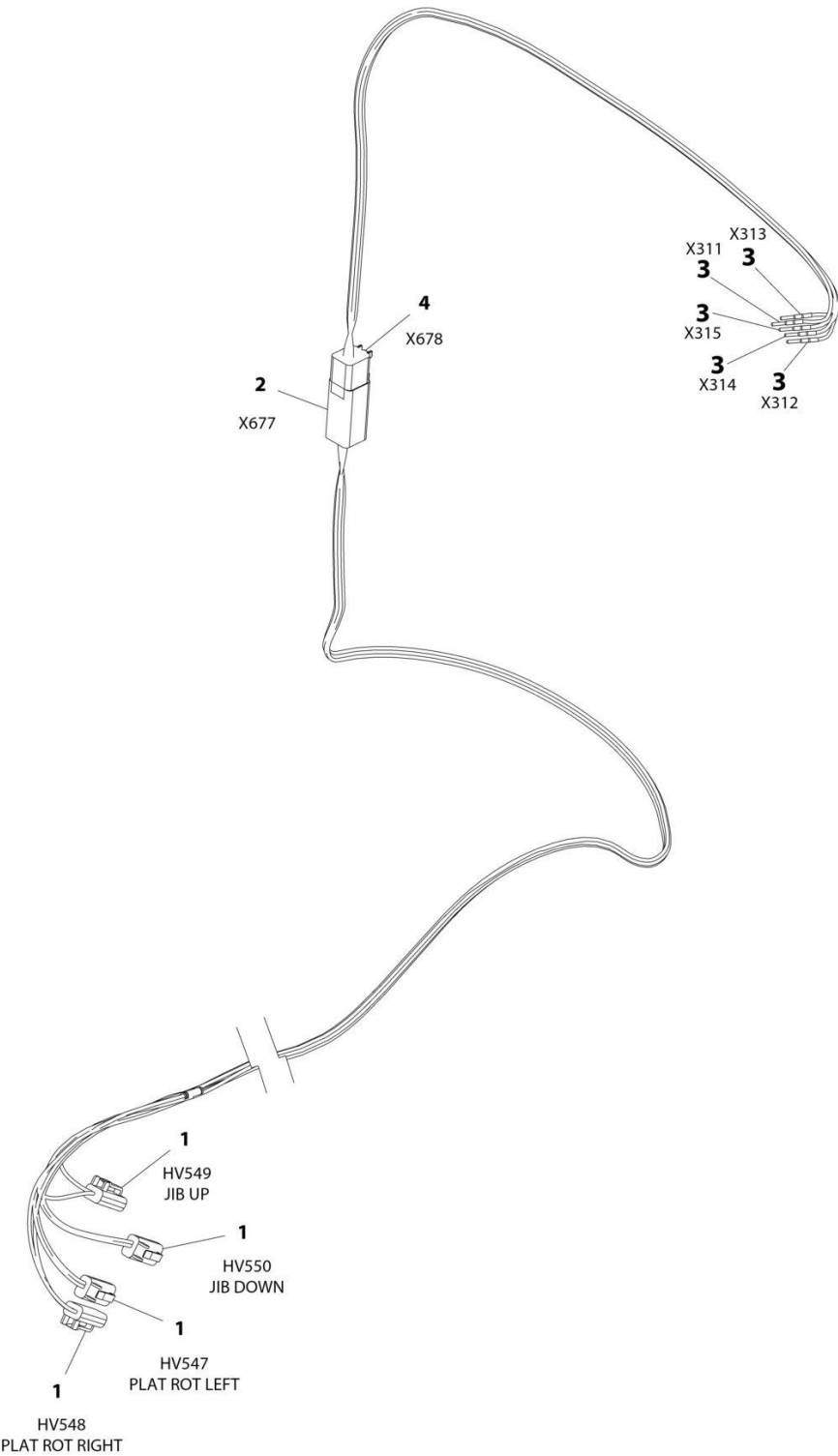
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FIGURE 8-51. VALVE HARNESS - MAIN VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244294	Ref	TRACTION HARNESS	B
1	4460539	1	Plug, Male - 3 Position	
1	4460465	3	Socket, Female	
2	4460899	1	Connector - 6 Position	
2	4460464	4	Pin, Male	
2	4460466	2	Plug, Terminal	
3	4460872	1	Connector - 14 Position	
3	4460871	9	Terminal, Female	
3	4460905	5	Seal, Terminal	
4	4460891	1	Connector - 2 Position	
4	4460465	2	Socket, Female	
5	4460891	1	Connector - 2 Position	
5	4460465	2	Socket, Female	
6	4460891	1	Connector - 2 Position	
6	4460465	2	Socket, Female	
7	4460891	1	Connector - 2 Position	
7	4460465	2	Socket, Female	
8	4460875	1	Connector - 35 Position	
8	4460871	26	Socket, Female	
8	4460905	9	Plug, Terminal	
9	4460891	1	Plug, Male - 2 Position	
9	4460465	2	Socket, Female	
10	4460891	1	Connector - 2 Position	
10	4460465	2	Socket, Female	
11	4460891	1	Connector - 2 Position	
11	4460465	2	Socket, Female	
12	4460891	1	Connector - 2 Position	
12	4460465	2	Socket, Female	
13	4460891	1	Connector - 2 Position	
13	4460465	2	Socket, Female	
14	4460424	1	Connector - 2 Position	
14	4460268	2	Socket, Female	
15	4460754	1	Connector - 14 Position	
15	4460465	13	Socket, Female	
15	4460466	1	Plug, Terminal	

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FIGURE 8-52. VALVE HARNESS - PLATFORM VALVE



ART_1001164728

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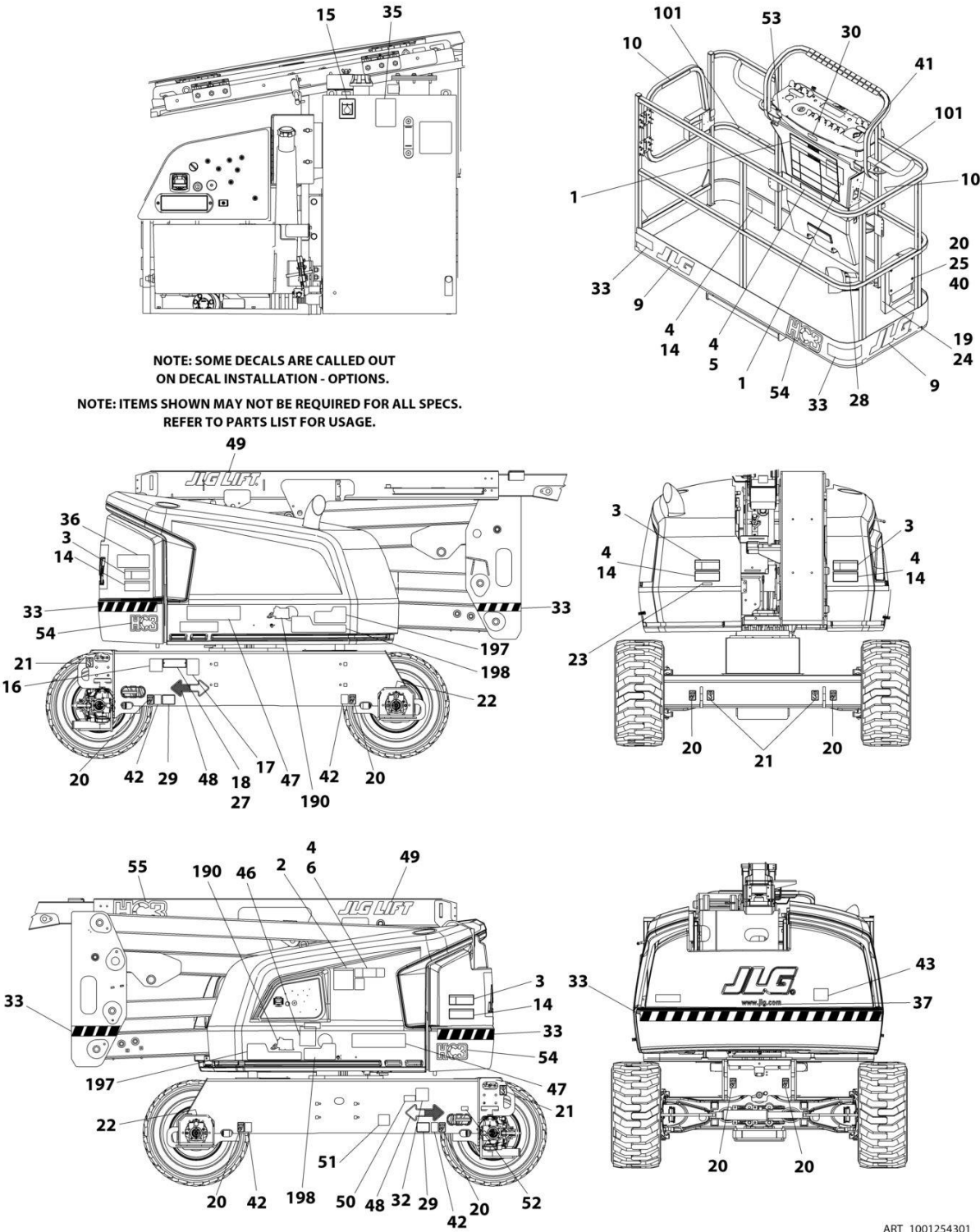
FIGURE 8-52. VALVE HARNESS - PLATFORM VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164728	Ref	VALVE HARNESS - PLATFORM VALVE	D
1	4460891	4	Plug, Male - 2 Position	
1	4460465	8	Socket, Female	
2	4460899	1	Receptacle, Female - 6 Position	
2	4460464	5	Pin, Male	
2	4460466	1	Plug, Terminal	
3	4460465	5	Socket, Female	
4	4460894	1	Plug, Male - 6 Position	
4	4460465	5	Socket, Female	
4	4460466	1	Plug, Terminal	

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FIGURE 9-1. DECAL INSTALLATION - AUSTRALIAN SPEC (ENGLISH LANGUAGE)



ART_1001254301

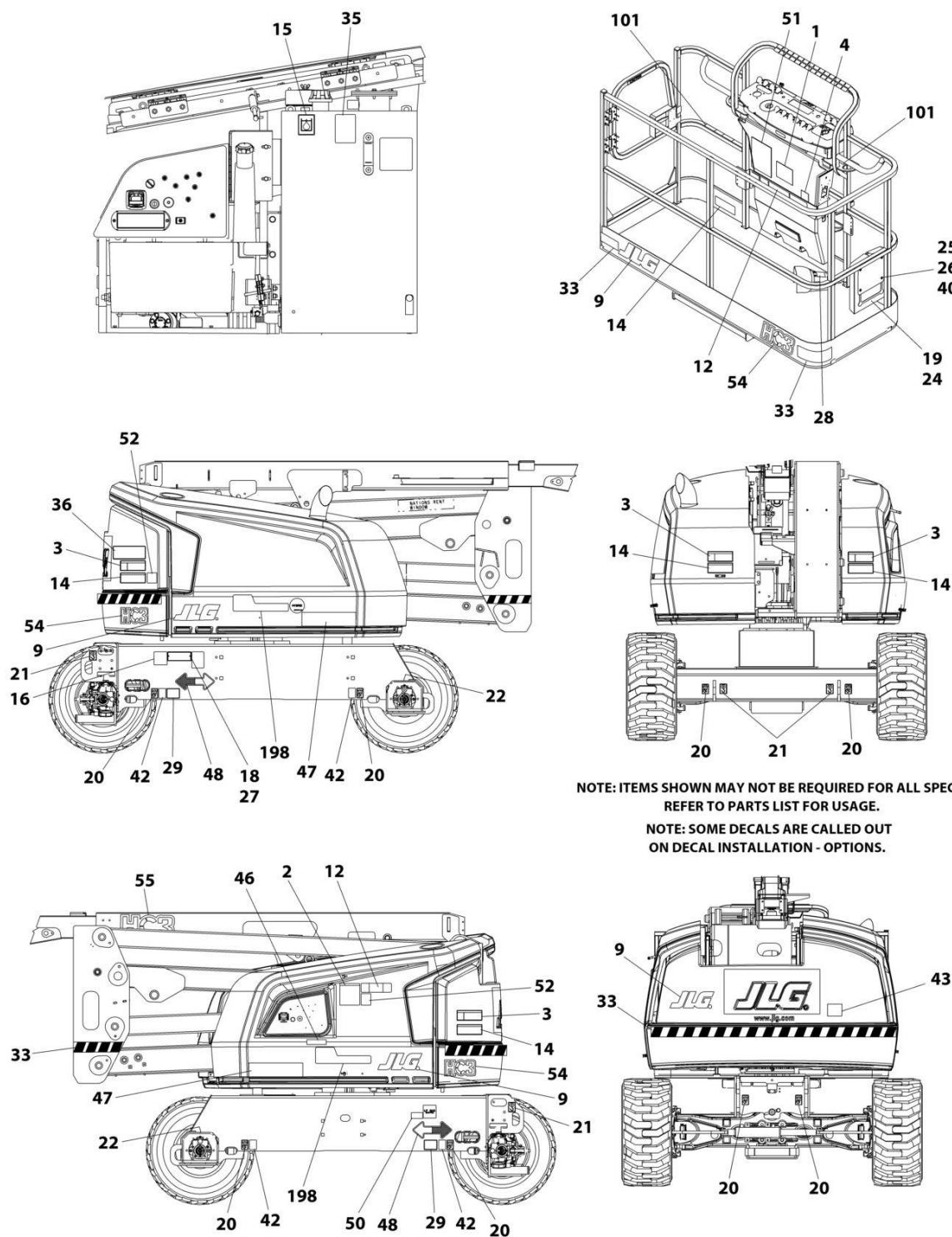
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FIGURE 9-1. DECAL INSTALLATION - AUSTRALIAN SPEC (ENGLISH LANGUAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254314	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001254301	Ref	DECAL INSTALLATION	E
1	1705921	1	Decal - Tipping/Electrocution	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	4	Decal - Danger/Electrocution	
4	1001234439	2	Decal - Warning	
14	1701518	6	Decal - Warning/Crushing	
15	1701504	1	Decal - Hydraulic Oil	
16	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18		Ref	Nameplate - Manufacturers Serial Number	
19	1701509	1	Decal - Manual	
20	1702300	8	Decal - Tie Down /Lift	
21	1701500	4	Decal - Tie Down /Lift	
22	1703687	2	Decal - Arrow	
24	0860520	1	Box, Manual Storage	
25	4751400	4	Washer 1/4	
26	3311405	4	Nut 1/4	
27	3820001	2	Rivet	
28	1705828	1	Decal - Footswitch	
35	1704412	1	Decal - Hydraulic Fluid	
36	1001274782	1	Decal - Lift Diagram	
37	1704885	1	Decal - Website	
40	0641406	4	Bolt 1/4 x 3/4	
42	1701499	4	Decal - Tie Down /Lift	
43	1001204510	1	Decal - Sound Power Level	
46	1001112551	1	Decal - Emergency Controls	
48	1701529	2	Decal - Arrow	
100	1001232026	1	Decal - Platform Lanyard Kit (Not Shown)	
101	1704277	3	Decal - Attach Lanyard Here	

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FIGURE 9-2. DECAL INSTALLATION - CE, CIS/EAC & UK CA SPEC (ENGLISH LANGUAGE)



ART_1001254307

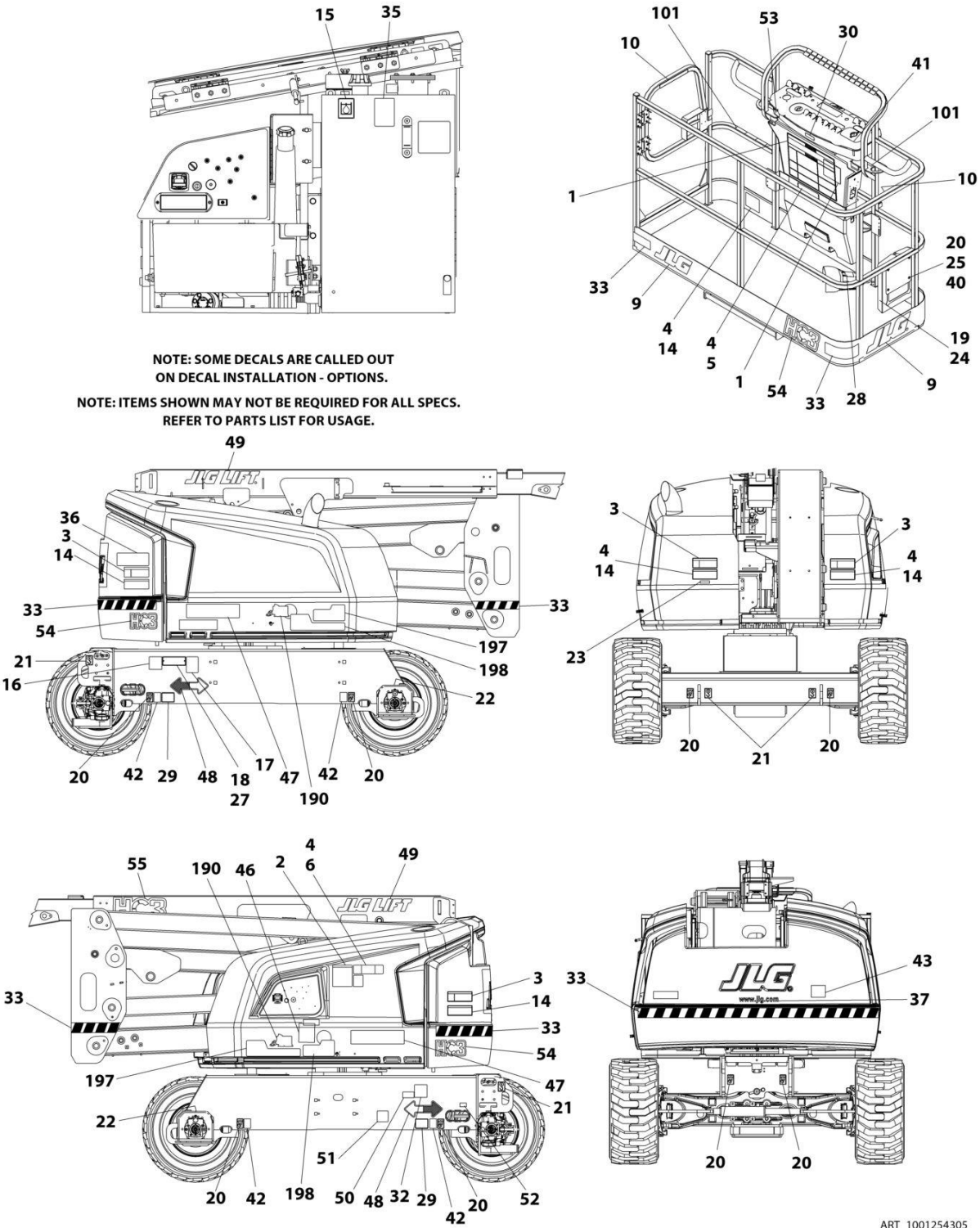
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FIGURE 9-2. DECAL INSTALLATION - CE, CIS/EAC & UK CA SPEC (ENGLISH LANGUAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254315	Ref	DECAL INSTALLATION - REFERENCE CHART	B
	1001254307	Ref	DECAL INSTALLATION	E
1	1705921	1	Decal - Tipping/Electrocution	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	4	Decal - Danger Electrocution	
4	1001244301	1	Decal - No Platform to Ground	
9	1702773	4	Decal - JLG	
12	1001234439	2	Decal - Max Capacity	
14	1701518	6	Decal - Warning/Crushing	
15	1701504	1	Decal - Hydraulic Oil	
16	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18		Ref	Nameplate - Manufacturers Serial Number	
19	1701509	1	Decal - Manual	
20	1702300	8	Decal - Tie Down /Lift	
21	1701500	4	Decal - Tie Down /Lift	
22	1703687	2	Decal - Arrow	
24	0860520	1	Box, Manual Storage	
25	4751400	4	Washer 1/4	
26	3311405	4	Nut 1/4	
27	3820001	2	Rivet	
28	1705828	1	Decal - Footswitch	
35	1704412	1	Decal - Hydraulic Fluid	
36	1001274782	1	Decal - Lift Diagram	
40	0641406	4	Bol 1/4 x 3/4	
42	1701499	4	Decal - No Tie Down/Lift	
46	1001189882	1	Decal - MSSO	
48	1701529	2	Decal - Arrow	
52	1001244298	2	Decal - Wechat	
54	1001244212	3	Decal - HC3	
55	1001256906	1	Decal - HC3	
100	1001232026	1	Decal - Platform Lanyard Kit (Not Shown)	
101	1704277	3	Decal - Attach Lanyard Here	

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FIGURE 9-3. DECAL INSTALLATION - CHINESE SPEC (CHINESE/ENGLISH LANGUAGES)



ART_1001254305

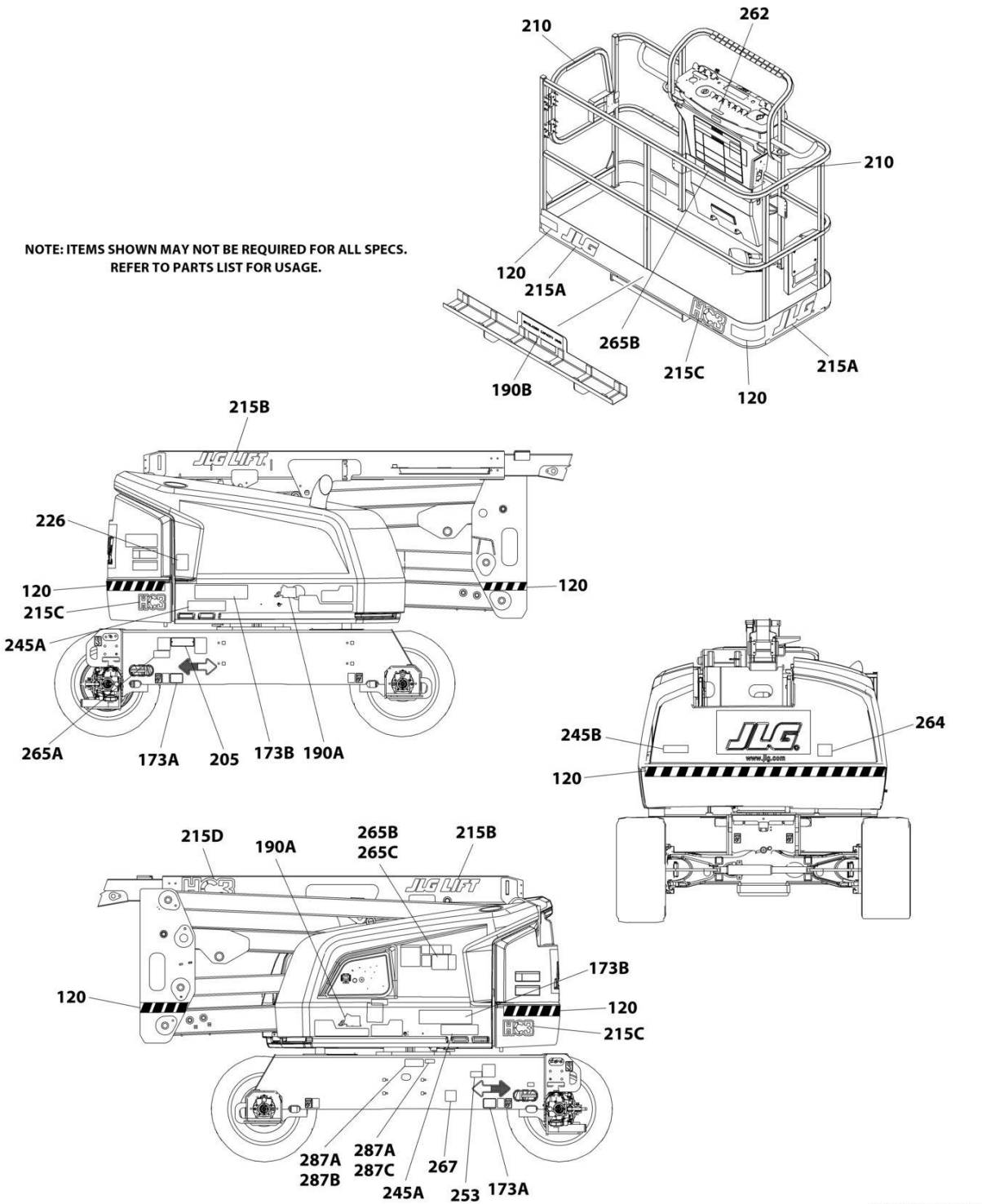
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FIGURE 9-3. DECAL INSTALLATION - CHINESE SPEC (CHINESE/ENGLISH LANGUAGES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254314	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001254305	Ref	DECAL INSTALLATION	D
1	1703925	1	Decal - Danger/Warning	
2	1001116849	1	Decal - Warning Inspection	
3	1703937	4	Decal - Danger Electrocution	
4	1703949	4	Decal - Warning/Crushing	
5	1001234435	1	Decal - Warning	
6	1001234436	1	Decal - Warning	
10	1705968	2	Decal - No Hands	
14	1703943	2	Decal - Warning/Crushing	
15	1701504	1	Decal - Hydraulic Oil	
16	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18		Ref	Nameplate - Manufacturers Serial Number	
19	1701509	1	Decal - Manual	
20	1702300	8	Decal - Tie Down /Lift	
21	1701500	4	Decal - Tie Down /Lift	
22	1703687	2	Decal - Arrow	
24	0860520	1	Box, Manual Storage	
25	4751400	4	Washer 1/4	
26	3311405	4	Nut 1/4	
27	3820001	2	Rivet	
28	1703982	1	Decal - Footswitch	
35	1704412	1	Decal - Hydraulic Fluid	
36	1001274782	1	Decal - Lift Diagram	
37	1704885	1	Decal - Website	
40	0641406	4	Bolt 1/4 x 3/4	
41	1705430	1	Decal - Drive/Steer	
42	1701499	4	Decal - No Tie Down/Lift	
48	1701529	2	Decal - Arrow	
51	1001224050	1	Decal - Yearly Inspection	
100	1001232026	1	Decal - Platform Lanyard Kit (Not Shown)	
101	1704277	3	Decal - Attach Lanyard Here	

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FIGURE 9-4. DECAL INSTALLATION - OPTIONS



ART_DECAL_OPTIONS

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FIGURE 9-4. DECAL INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254314	Ref	DECAL INSTALLATION - REFERENCE CHART (ALL SPECS EXCEPT CE SPECS)	C
	1001254315	Ref	DECAL INSTALLATION - REFERENCE CHART (CE SPECS)	B
	1001246976	Ref	DECAL INSTALLATION - OPTIONS	F
120	1001188883	Ref	Warning Stripes Installation	A
120	4420051	21.5 ft /6.55m	Tape, Safety	
173	1001255846	Ref	Model Decal Installation	C
173A	1001255850	2	Decal - Max Tire Load	
173B	1001267313	2	Decal - 520AJ HC3	
190	1001262105	Ref	SkyGlazier Decal Installaion (Australian Specs)	A
190A	1705358	2	Decal - SkyGlazier	
190B	1001262117	2	Decal - SkyGlazier Capacity	
205	See Note	1	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
210	1705968	2	Decal - No Hands (China Specs)	
215	1001254311	Ref	JLG Logo Installation	C
215A	1702773	2	Decal - JLG	
215B	1702774	2	Decal - JLG Lift (3in)	
215C	1001244212	3	Decal - HC3	
215D	1001256906	1	Decal - HC3	
226	1706098	1	Decal - Warning Explosion/Fire	
245	1001127096	Ref	Decal - ClearSky	
245A	1001116208	2	Decal - ClearSky	
245B	1001120989	1	Decal - Radio Frequency	
253	1001143852	1	Decal - Emissions Compliance (Deutz D2011 Engines/Deutz D2011 Engines (Stage V)/Deutz D2.9L4 Engines (Stage V))	
262	1001141300	1	Decal - SkyGuard Override	
262	1001141302	1	Decal - SkyGuard Override with Soft Touch	
264	1001204510	1	Decal - Sound Power (102 Db)	
264	1001130492	1	Decal - Sound Power (105 Db)	
265	1001271605	Ref	Soft -Touch Decal Installation (Without Fall Arrest) (Pictograph)	
265	1001271588	Ref	Soft -Touch Decal Installation (Without Fall Arrest) (English Language)	
265	1001276688	Ref	Soft -Touch Decal Installation (Without Fall Arrest) (English/Chinese Languages)	
265	1001276692	Ref	Soft -Touch Decal Installation (Without Fall Arrest) (English/Spanish Languages)	
265	1001276690	Ref	Soft -Touch Decal Installation (Without Fall Arrest) (Spanish/Portuguese Languages)	
265	1001271606	Ref	Soft -Touch Decal Installation (With Fall Arrest) (Pictograph)	
265	1001271589	Ref	Soft -Touch Decal Installation (With Fall Arrest) (English Language)	
265	1001276689	Ref	Soft -Touch Decal Installation (With Fall Arrest) (English/Chinese Languages)	
265	1001276693	Ref	Soft -Touch Decal Installation (With Fall Arrest) (English/Spanish Languages)	
265	1001276691	Ref	Soft -Touch Decal Installation (Without Fall Arrest) (Spanish/Portuguese Languages)	
265A	1001195490	1	Decal - Soft-Touch (Pictograph)	
265A	1001195491	1	Decal - Soft-Touch (English Language)	
265A	1001271708	1	Decal - Soft-Touch (English/Chinese Languages)	

SECTION 9 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
265A	1001271711	1	Decal - Soft-Touch (English/Spanish Languages)	A
265A	1001271707	1	Decal - Soft-Touch (Spanish/Portuguese Languages)	
265B	1001277484	1	Decal - Warning (Without Fall Arrest) (Pictograph)	
265B	1001277481	1	Decal - Warning (Without Fall Arrest) (English Language)	
265B	1001278197	1	Decal - Warning (Without Fall Arrest) (English/Chinese Languages)	
265B	1001278249	1	Decal - Warning (Without Fall Arrest) (English/Spanish Languages)	
265B	1001278209	1	Decal - Warning (Without Fall Arrest) (Spanish/Portuguese Languages)	
265B	1001277485	1	Decal - Warning (With Fall Arrest) (Pictograph)	
265B	1001277483	1	Decal - Warning (With Fall Arrest) (English Language)	
265B	1001278199	1	Decal - Warning (With Fall Arrest) (English/Chinese Languages)	
265B	1001278251	1	Decal - Warning (With Fall Arrest) (English/Spanish Languages)	
265B	1001278216	1	Decal - Warning (With Fall Arrest) (Spanish/Portuguese Languages)	
265C	1001277482	1	Decal - Warning (Without Fall Arrest) (English Language)	
265C	1001278198	1	Decal - Warning (Without Fall Arrest) (English/Chinese Languages)	
265C	1001278250	1	Decal - Warning (Without Fall Arrest) (English/Spanish Languages)	
265C	1001278215	1	Decal - Warning (Without Fall Arrest) (Spanish/Portuguese Languages)	
265C	1001277486	1	Decal - Warning (With Fall Arrest) (English Language)	
265C	1001278208	1	Decal - Warning (With Fall Arrest) (English/Chinese Languages)	
265C	1001278252	1	Decal - Warning (With Fall Arrest) (English/Spanish Languages)	
265C	1001278217	1	Decal - Warning (With Fall Arrest) (Spanish/Portuguese Languages)	
267	1001200131	1	Decal - Quick Start Reference (Loxam Rental) (Danish Spec)	
267	1001200129	1	Decal - Quick Start Reference (Loxam Rental) (Dutch Spec)	
267	1001181145	1	Decal - Quick Start Reference (Loxam Rental) (English Spec)	
267	1001200128	1	Decal - Quick Start Reference (Loxam Rental) (French Spec)	
267	1001200130	1	Decal - Quick Start Reference (Loxam Rental) (German Spec)	
267	1001200134	1	Decal - Quick Start Reference (Loxam Rental) (Norwegians Spec)	
267	1001200133	1	Decal - Quick Start Reference (Loxam Rental) (Spanish Spec)	
267	1001200132	1	Decal - Quick Start Reference (Loxam Rental) (Swedish Spec)	
287	1001239371	Ref	Eco Label Installation (China Specs Only)	
287A	3820001	8	Rivet	
287B	1001232904	1	Decal - Eco Label	
287C	1001236396	1	Plate, Mein Code	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
	1001181045	1	Breaker, Combination 16Amp/30mAmp (Breaker Box with Single Breaker)	
	1001189172	1	Breaker 16Amp Double (Breaker Box with Three Breakers)	
	1001189171	1	Breaker, 30mA (Breaker Box with Three Breakers)	
	7024485	1	Breaker, Circuit 30Amp (7500W/50HZ Generator)	
	4360070	1	Circuit Breaker - 15Amp (7500W/50HZ Generator)	
	7024885	1	Coil (Traction Valve)	
	70002386	1	Coil (Traction & Main Control Valves)	
	70005219	1	Coil (Main Control Valve)	
	70003788	1	Coil (Main Control Valve)	
	70004897	1	Coil (Piston Pump)	
	70004871	1	Coil (Upright & Boom Valves)	
	7027628	1	Coil (Upright Valve)	
	1001212415	1	Controller Assembly (Drive and Steer)	
	1001129555	1	Controller Assembly (Lift and Swing)	
	4360407	1	Controller, Speed (Platform Controls)	
		Ref	Engine - Deutz D2011	
	70003783	12	Element, Air Cleaner	
	7020023	12	Filter, Fuel	
	70003463	12	Filter, Fuel - RME Resistant	
	7016331	12	Filter, Oil	
	3740140	1	Relay, 100Amp	
		Ref	Engine - Deutz D2.9L4 (Stage V)	
	70003783	12	Element, Air Cleaner	
	70025161	12	Filter, Fuel	
	70025153	12	Filter, Fuel Pre	
	7016331	12	Filter, Oil	
	1001197719	2	Fuse 0.5 Watt	
	1001196634	2	Fuse - 2 Amp	
	70029512	1	Module, Engine Control	
	1001117308	1	Relay, 200Amp	
	1001138228	1	Relay, Power Module	
	70003614	1	Filter Kit (Includes Hydraulic Element, Breather Element and Gasket) (Hydraulic Tank)	
	70010383	1	Element, Filter (Charge Pump)	
	1001117174	1	Footswitch Assembly	
	8229249	2	Fuse, 3 Amp (USB Charger)	
	8229245	2	Fuse 30Amp (2500W/50HZ Generator)	
	8229242	2	Fuse 5Amp (Turntable Harness)	
	8229244	2	Fuse 15Amp (Turntable Harness)	
	1001196635	2	Fuse 3Amp (Turntable Harness)	
	1001129285	2	Fuse with Diode (Turntable Harness)	
	2860030	1	Key, Replacement	
	2940074	1	Latch (Platforms with Side Entry)	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170094	1	Module, Ground Control	
	1001142683	1	Module, Control (Blue and Red Beacons)	
	1001118412	1	Module, Control (Platform Console Box)	
	70006553	1	Relay (4000W/50HZ Generator)	
	1001186431	1	Relay (SkyGuard)	
	3740086	1	Relay (SkyLine)	
	1001095704	1	Relay (Turntable Harness)	
	1001219601	1	Sensor (Turntable)	
	1001228225	1	Sensor, Emitter (SkyEye)	
	1001228224	1	Sensor, Receiver (SkyEye)	
	1001232667	1	Sensor, Proximity (SkyLine)	
	1001118971	1	Sensor, Angle (Boom)	
	1001170847	1	Sensor (HC3 Sensor)	
	1001182570	1	Sensor (HC3 Sensor)	
	1001119176	1	Switch, Limit (Drive Orientation)	
	4360469	1	Switch, Key (Ground Controls)	
	4360475	1	Switch, Emergency Stop (Ground & Platform Controls)	
	4360476	1	Switch, Contact Block (Ground & Platform Controls)	
	4360387	1	Switch, Push Button (Ground & Platform Controls)	
	4360274	1	Switch, Push Button (CE Specs) (Ground Controls)	
	4360336	1	Switch, Toggle (Generator)	
	1001159256	1	Switch, Toggle (Platform Controls)	
	1001161709	1	Switch, Toggle (Platform Controls)	
	1001155045	1	Switch, Toggle (Ground & Platform Controls)	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

FIGURE 11-1. SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	SPECIAL OPTIONS/ACCESSORIES/KITS	
	1001174661	Ref	Airline Installation	
	1001264942	Ref	Bellows Installation	
	1001266660	Ref	Boom Wiper Installation	
	1001236123	Ref	Boom Wiper Cover Installation	
	1001233763	Ref	Breather Heater Installation (Factory Installed)	
	1001233047	Ref	Breather Heater Add-On Kit (Dealer Installed)	
	1001172045	Ref	Cable Carrier Tray Installation	
		Ref	ClearSky Telematics (Factory Installed)	
	1001228960	Ref	ClearSky (Telematics) Installation (Factory Installed) 3G Canbus Connection (ANSI Export, CE & UK CA Specs)	
	1001227278	Ref	ClearSky (Telematics) Installation (Factory Installed) 4G Canbus Connection (All Specs)	
	1001233237	Ref	ClearSky (Telematics) Installation (Factory Installed) 3-Wire Connection (CE & UK CA Specs)	
	1001246433	Ref	ClearSky (Telematics) Installation (Factory Installed) 3-Wire Connection (Australian Specs)	
	1001246434	Ref	ClearSky (Telematics) Installation (Factory Installed) 3-Wire Connection (China Specs)	
		Ref	ClearSky (Telematics) Installations (Dealer Installed)	
	1001243183	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (ANSI Export, CE & UK CA Specs)	
	1001243184	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (CE & UK CA Specs)	
	1001242639	Ref	ClearSky (Telematics) Access Control Installation Kit (Dealer Installed) (ANSI, ANSI Export, CSA, CE & UK CA Specs)	
	1001246142	Ref	ClearSky (Telematics) Service Kit (Dealer Installed) (Australian Specs)	
	1001255807	Ref	Cold Weather Package - Deutz D2.9L4 Engines (Stage V)	
	1001174767	Ref	Cold Weather Package - Deutz D2011 Engines	
	1001186976	Ref	Cold Weather Transformer Installation (Required with Deutz D2011 Engines)	
	0272031	Ref	Container/Transport Wheels Installation - 33/1550 x 16.5 Tires	
	1001243331	Ref	Fan Cover Installation - Deutz D2011 Engines	
	1001172751	Ref	Fan Guard Installation - Deutz D2.9L4 Engines (Stage V) (CE & UK CA Specs)	
	1001139099	Ref	Fire Extinguisher Installation	
	1001117294	Ref	Foot Switch Shield Installation	
	1001202749	Ref	Fuel Cap Cover (Black)	
	1001220003	Ref	Ground Control and UGM Covers Add-On Kit (Dealer Installed)	
	1001266662	Ref	Hostile Weather Package	
	1001258231	Ref	Hydraulic Load Installation	
	1001265688	Ref	Hydraulic Tank Lock Installation	
	1001172001	Ref	Lights Installation - Headlights and Taillights	
	1001120466	Ref	Lights Installation - Platform Worklights	
	1001183407	Ref	Low Temperature Cutout Installation (Russian Specs)	
	1001253618	Ref	Module Box Assembly Kit (Service Kit for P/N 1001246867)	
	1001253619	Ref	Module Box Assembly Kit (Service Kit for P/N 1001246860)	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173664	Ref	Oil Cooler Installation - Deutz D2011 Engines	R
	1001164493	Ref	Oil Cooler Installation - Deutz D2.9L4 Engines (Stage V)	
	1001110974	Ref	Platform Console Cover Installation	
	1580013	Ref	Platform Corner Storage Tray	
	1001267283	Ref	Platform Hose/Cable Protection	
	1001238421	Ref	Platform Leveling Kit	
	0274095	Ref	Platform Rail Extension Installation - 30in x 72in Platforms	
	1001209059	Ref	Platform Work Surface Installation	
	1001233080	Ref	Pump Rotation Kit (Re-orient Gear Pump 90 Degrees)	
	1001247800	Ref	Quad Tracks Replacement Kit	
	1001204110	Ref	Service Kits	
	1001247073	Ref	SkyEye Retrofit Kit	
	1001241547	Ref	SkyEye LH Housing Retrofit Kit	
	1001241548	Ref	SkyEye RH Retrofit Kit	
	1001250595	Ref	SkyGuard 6 Pin Retrofit Kit	
	1001203510	Ref	SkyGuard - Without Beacon	
	1001203511	Ref	SkyGuard Beacon Kit (Blue Light)	
	1001210036	Ref	SkyGuard Beacon Kit (Red Light)	
	1001250035	Ref	SkyGuard Platform Sensor Kit	
	1001249052	Ref	SkyGuard Retrofit Kit	
	1001262016	Ref	SkyLine Add-On Kit (Dealer Installed)	
	1001250465	Ref	SkySense (EDS) Level 1 Booms Installation (Factory Installed)	
	1001250466	Ref	SkySense (EDS) Level 2 Booms Installation (Factory Installed)	
	1001252033	Ref	SkySense Enhanced Detection System (EDS) Level 1 (2-Bar) Add-on Kit (Dealer Installed)	
	1001252034	Ref	SkySense Enhanced Detection System (EDS) Level 2 (3-Bar) Add-on Kit (Dealer Installed)	
		Ref	Tools:	
	1001249695	Ref	Analyzer and Cable Kit	
	1001249941	Ref	Analyzer and Cable Kit (Battery Powered)	
	1001206436	Ref	Turntable Bearing Kit	
	1001262959	Ref	Voltage Regulator Relocation Kit	
	1001270716	Ref	White Noise Alarm Add-On Kit (Dealer Installed)	
	1001270755	Ref	White Noise Alarm (Ambient) Add-On Kit (Dealer Installed)	

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