Illustrated Parts Manual

Model 1500SJ

SN 0300209000 to SN 0300272505

P/N
3121733

June 1, 2021 - Rev M

ANSI

CE

An Oshkosh Corporation Company

REVISION LOG

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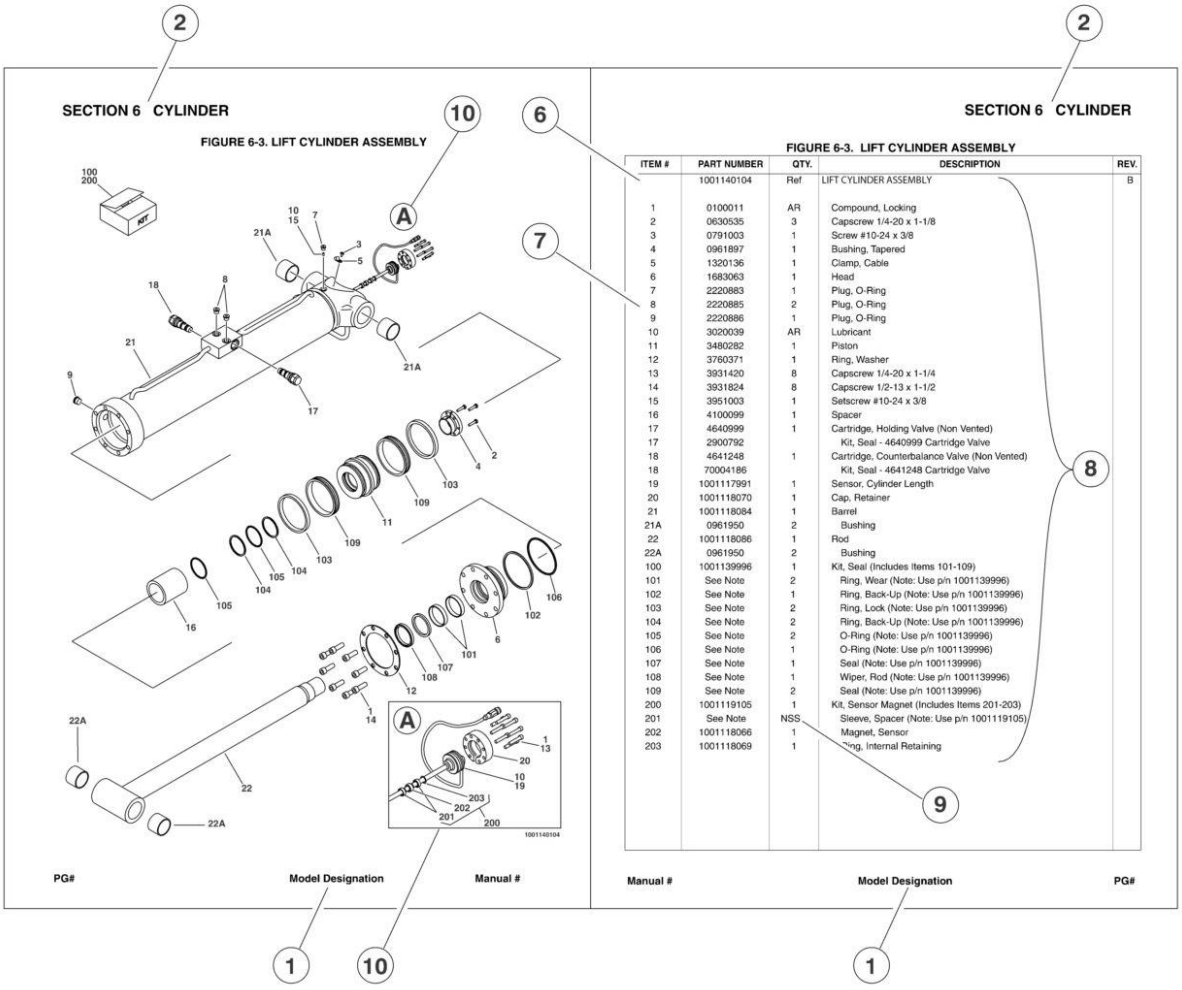
GENERAL INFORMATION



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

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

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

3) TABLE OF CONTENTS
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
The Recommended Spare Parts, located near the end of the manual, referance most frequently used maintenance parts.

5) PART NUMBER INDEX
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) ABB REVIATION AND SYMBOLS

AC ..... Alternating Current
ADE. ..... .Advanced Design Electronics
ANSI ..... .American National Standards Institute
AR.. ....As Required
ASSY ..... Assembly
AUX... ....Auxiliary
AWG ....American WireGauge
B/M. ..... Bill of Material
CE.. ....European Conformity
CCW ..... .Counter Clockwise
cm. ..... Centimeter
CW ..... .Clockwise
CSA. ....Canadian Standards Association
CYL... ..... .Cylinder
DIA. ..... .Diameter
DC ..... .Direct Current
EMS ..... Emergency Stop
ENG ..... .Engine
FT(ft).. ..... .Feet
GA(Ga).. ..... .Gauge
HYD ..... Hydraulic
Hz.. ..... Hertz
ID.. ..... .Inside Diameter
in... ..... .inches
ISO ....International Organization for Standards
JIC ..... .Joint Industry Council
KG ..... .Kilogram
L.. ....Liter
LB ....Pounds

LCD ..... Liquid Crystal Display
LED ..... Light Emitting Diodes
LH... ..... Left Hand
LSS ..... .Load Sensing System
M(m)... ..... Metric/Meter
MM (mm) ....Milimeter
mA. ..... Miliamps
NLA..... .....No Longer Available
NPT ..... National Pipe Threads
NSS .....Not Sold Separately
OD.. ....Outside Diameter
ORB ..... O-Ring Boss
ORFS ..... O-Ring Face Seal
OZ (oz). ..... .Ounces
PG ..... .Page
P/N. ....Part Number
qt..... ..Quarts
QTY..... .Quantity
REF ..... .Reference
REV ....Revision Level
RH... ..... Right Hand
SAE..... Society of Automotive Engineers
SN.. ....Serial Number
SPEC(S).....Specifications
T/T..... .....Turntable
UGM ....Universal Ground Module
V..... ..Volts
W... ..... Watts
#... ..... Number

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

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

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SECTION 1 - FRAME

FIGURE 1-1. AXLE INSTALLATION - FIXED

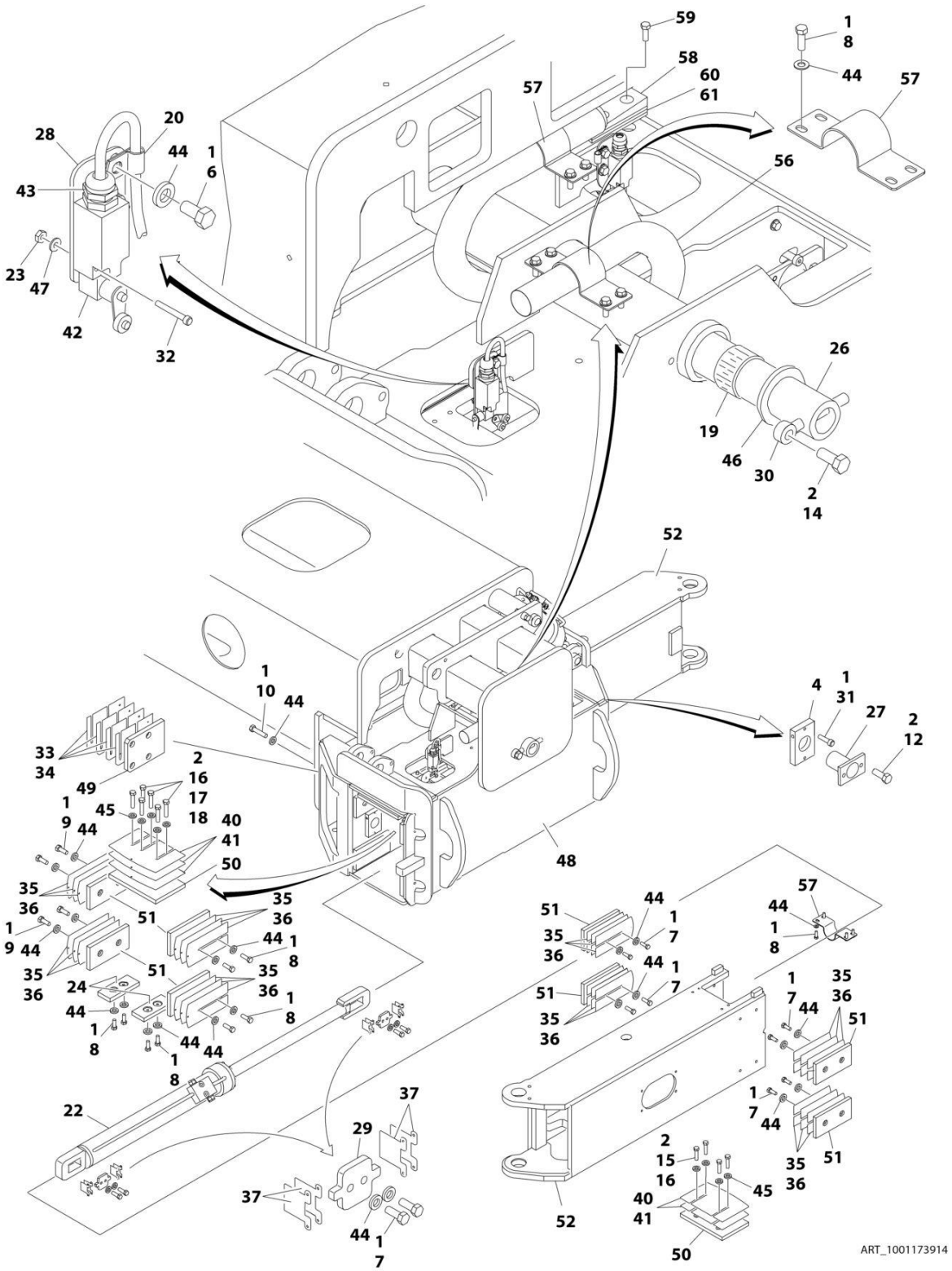

FIGURE 1-1. AXLE INSTALLATION - FIXED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173914	Ref	AXLE INSTALLATION - FIXED	I
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
4	0363037	4	Bar, Stop	
6	0641606	8	Bolt 3/8 x 3/4	
7	0641608	48	Bolt 3/8 x 1	
8	0641609	64	Bolt 3/8 x 1-1/8	
9	0641611	16	Bolt 3/8 x 1-3/8	
10	0641613	8	Bolt 3/8 x 1-5/8	
12	0641808	8	Bolt 1/2 x 1	
14	0642214	1	Bolt 3/4 x 1-3/4	
15	0681813	12	Bolt 1/2 x 1-5/8 Grade 8	
16	0681814	18	Bolt 1/2 x 1-3/4 Grade 8	
17	0681815	12	Bolt 1/2 x 1-7/8 Grade 8	
18	0681816	6	Bolt 1/2 x 2 Grade 8	
19	0962033	2	Bushing	
20	1320263	4	Clamp, Cable	
22	1684102	NLA	Axle Extension Cylinder Assembly (Use p/n 1001228020) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300239674)**	
22	1001228020	4	Axle Extension Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300239675 through 0300272505)**	
23	3310805	8	Nut #8	
24	3340881	8	Pad, Wear	
26	3422918	1	Pin	
27	3422960	4	Pin	
28	3573294	4	Plate	
29	3573335	8	Plate	
30	3841287	1	Keeper, Pin	
31	3900270	4	Bolt 1/2 x 1-1/2	
32	3930820	8	Capscrew #8 x 1-1/4	
33	4071035	2	Shim #18 Gauge	
34	4071036	4	Shim #11 Gauge	
35	4071039	10	Shim #18 Gauge	
36	4071040	36	Shim #11 Gauge	
37	4071042	24	Shim #16 Gauge	
40	4071054	8	Shim #18 Gauge	
41	4071055	12	Shim #11 Gauge	
42	4360578	4	Switch, Limit	
43	4460968	4	Connector, Strain Relief	
44	4711600	144	Washer 3/8	
45	4711800	48	Washer 1/2	
46	4740461	1	Thrustwasher	
47	4750800	8	Washer #8	
48	4846383	1	Box, Axle Pivot	
49	1001161401	2	Pad, Axle	
50	1001161402	8	Pad, Wear	
51	1001161403	32	Pad, Wear	
52	4846637	4	Extension, Axle	
55	4240155	6	Tie-Strap (Not Shown)	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
56	1001193674	4	Sleeve (Not Shown - Located on Axle Hydraulic Hoses)	
57	1001191541	8	Bracket, Hose Mount	
58	0363076	2	Bar, Stop **(SN 0300215910 through 0300272505)**	
59	0641814	4	Bolt 1/2 x 1-3/4 **(SN 0300215910 through 0300272505)**	
60	4071049	4	Shim #11 Gauge **(SN 0300215910 through 0300272505)**	
61	4071050	2	Shim #16 Gauge **(SN 0300215910 through 0300272505)**	
62	2220235	1	Plug (Not Shown - Located on Junction Manifold Valve) **(SN 0300218861 through 0300272505)**	

FIGURE 1-2. AXLE INSTALLATION - OSCILLATING

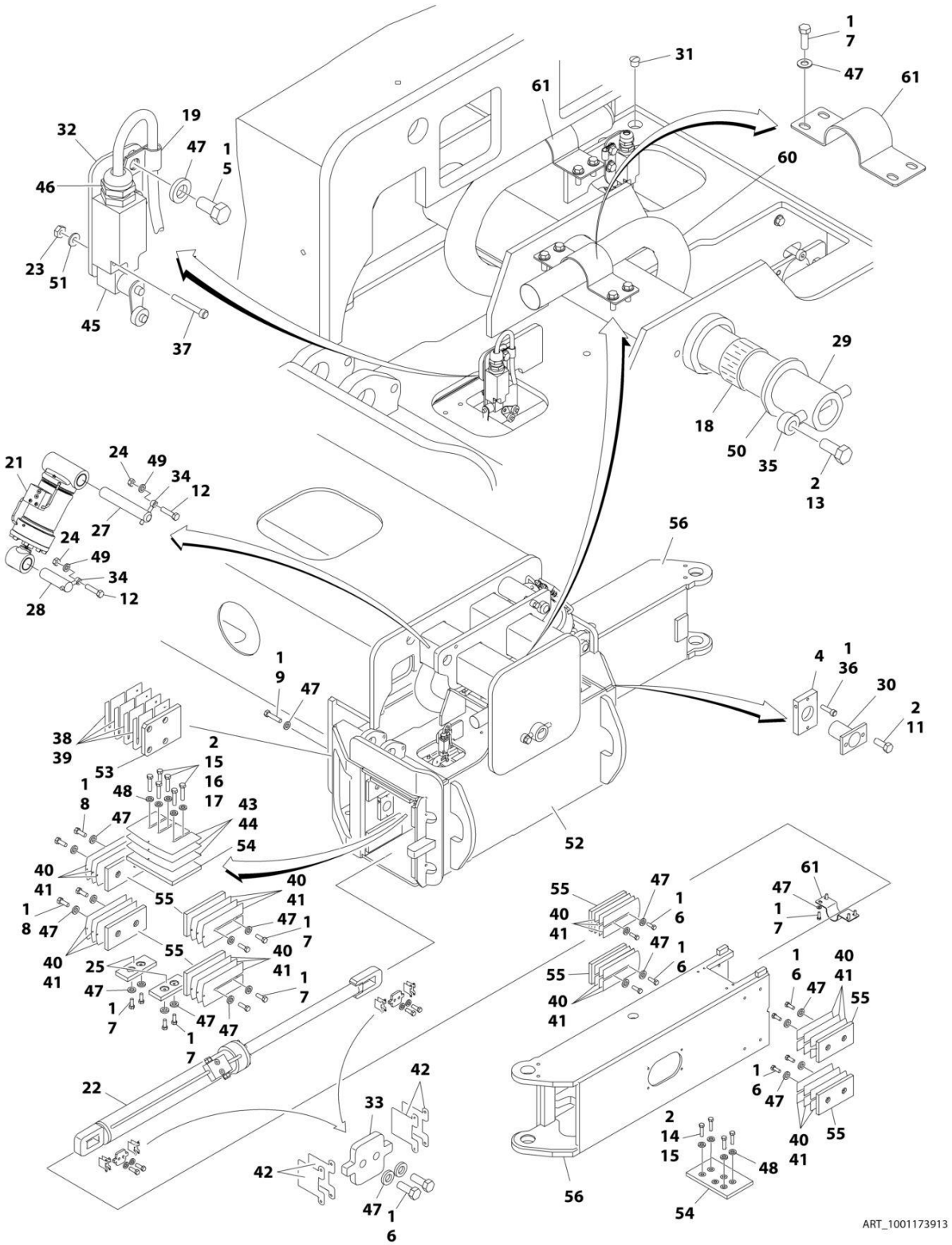

FIGURE 1-2. AXLE INSTALLATION - OSCILLATING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173913	Ref	AXLE INSTALLATION - OSCILLATING	H
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
4	0363037	4	Bar, Stop	
5	0641606	8	Bolt 3/8 x 3/4	
6	0641608	48	Bolt 3/8 x 1	
7	0641609	64	Bolt 3/8 x 1-1/8	
8	0641611	16	Bolt 3/8 x 1-3/8	
9	0641613	8	Bolt 3/8 x 1-5/8	
11	0641808	8	Bolt 1/2 x 1	
12	0642020	4	Bolt 5/8 x 2-1/2	
13	0642214	1	Bolt 3/4 x 1-3/4	
14	0681813	12	Bolt 1/2 x 1-5/8 Grade 8	
15	0681814	18	Bolt 1/2 x 1-3/4 Grade 8	
16	0681815	12	Bolt 1/2 x 1-7/8 Grade 8	
17	0681816	6	Bolt 1/2 x 2 Grade 8	
18	0962033	2	Bushing	
19	1320263	4	Clamp, Cable	
21	1684081	NLA	Axle Lockout Cylinder Assembly (Use p/n 1001228019) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300239674)**	
21	1001228019	2	Axle Lockout Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300239675 through 0300272505)**	
22	1684102	NLA	Axle Extension Cylinder Assembly (Use p/n 1001228020) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300239674)**	
22	1001228020	4	Axle Extension Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300239675 through 0300272505)**	
23	3310805	8	Nut #8	
24	3312005	4	Nut 5/8	
25	3340881	8	Pad, Wear	
27	3422833	2	Pin	
28	3422915	2	Pin	
29	3422918	1	Pin	
30	3422960	4	Pin	
31	3520054	4	Plug	
32	3573294	4	Plate	
33	3573335	8	Plate	
34	3841258	4	Keeper, Pin	
35	3841287	1	Keeper, Pin	
36	3900270	4	Bolt 1/2 x 1-1/2	
37	3930820	8	Capscrew #8 x 1-1/4	
38	4071035	2	Shim #18 Gauge	
39	4071036	4	Shim #11 Gauge	
40	4071039	10	Shim #18 Gauge	
41	4071040	36	Shim #11 Gauge	
42	4071042	24	Shim #16 Gauge	
43	4071054	8	Shim #18 Gauge	
44	4071055	12	Shim #11 Gauge	
45	4360578	4	Switch, Limit	
46	4460968	4	Connector, Strain Relief	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	4711600	144	Washer 3/8	
48	4711800	48	Washer 1/2	
49	4712000	4	Washer 5/8	
50	4740461	1	Thrustwasher	
51	4750800	8	Washer #8	
52	4846383	1	Box, Axle Pivot	
53	1001161401	2	Pad, Axle	
54	1001161402	8	Pad, Wear	
55	1001161403	32	Pad, Wear	
56	4846637	4	Extension, Axle	
59	4240155	6	Tie-Strap (Not Shown)	
60	1001193674	4	Sleeve (Not Shown - Located on Axle Hydraulic Hoses)	
61	1001191541	8	Bracket, Hose Mount	

FIGURE 1-3. STEER INSTALLATION

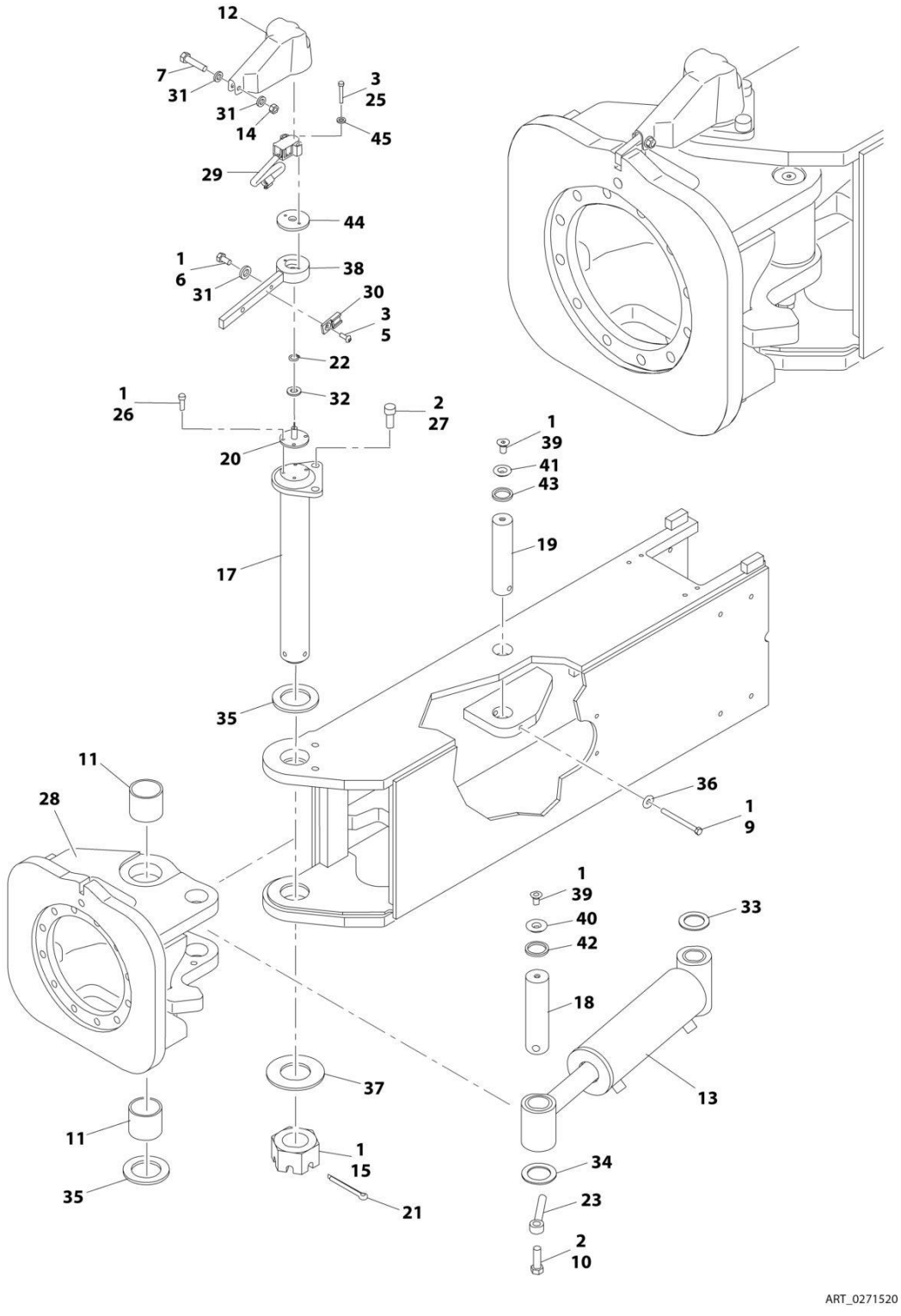

FIGURE 1-3. STEER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271520	Ref	STEER INSTALLATION	L
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100035	AR	Compound, Locking	
5	0630464	4	Screw #10 x 1/2	
6	0641505	4	Bolt 5/16 x 5/8	
7	0641511	4	Bolt 5/16 x 1-3/8	
9	0641634	4	Bolt 3/8 x 4-1/4	
10	0642016	4	Bolt 5/8 x 2	
11	0962423	8	Bushing	
12	1671040	4	Cover, Sensor	
13	1684314	NLA	Steer Cylinder Assembly (Use p/n 1001228031) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300238017)**	
13	1001228031	4	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300238018 through 0300272505)**	
14	3311505	4	Nut 5/16	
15	3300464	4	Nut	
17	3422917	4	Kingpin	
18	3422940	4	Pin, Steer Cylinder (Outer)	
19	3422941	4	Pin, Steer Cylinder (Inner)	
20	3423256	4	Pin, Sensor	
21	3451214	4	Pin, Cotter 3/8 x 3-1/2	
22	3760383	4	Ring, Retaining	
23	3841258	4	Keeper, Pin	
25	3931020	8	Capscrew #10 x 1-1/4	
26	3931412	16	Capscrew 1/4 x 3/4	
27	3932024	8	Capscrew 5/8 x 1-1/2	
28	1001099632	4	Spindle	
29	4360505	4	Switch, Rotary Angle Sensor (Steer)	
29	4460536	1	Receptacle, Female - 2 Position	
29	4460464	2	Pin, Male	
30	4460914	4	Terminal	
31	4711500	12	Washer 5/16	
32	4711800	4	Washer 1/2	
33	4740181	4	Thrustwasher	
34	4740229	4	Thrustwasher	
35	4740505	8	Thrustwasher	
36	4751600	4	Washer 3/8	
37	4755000	4	Washer 2-1/2	
38	0200833	4	Arm, Steer	
39	0741606	8	Screw 3/8 x 3/4	
40	1120549	4	Cap, Seal (Outer)	
41	1120550	4	Cap, Seal (Inner)	
42	3960551	4	Seal (Outer)	
43	3960552	4	Seal (Inner)	
44	0080277	4	Adapter, Angle Sensor Pilot	
45	4750800	8	Washer M8	
45	4811600	8	Washer M5	

FIGURE 1-4. WHEEL DRIVE INSTALLATION - BONFIGLIOLI

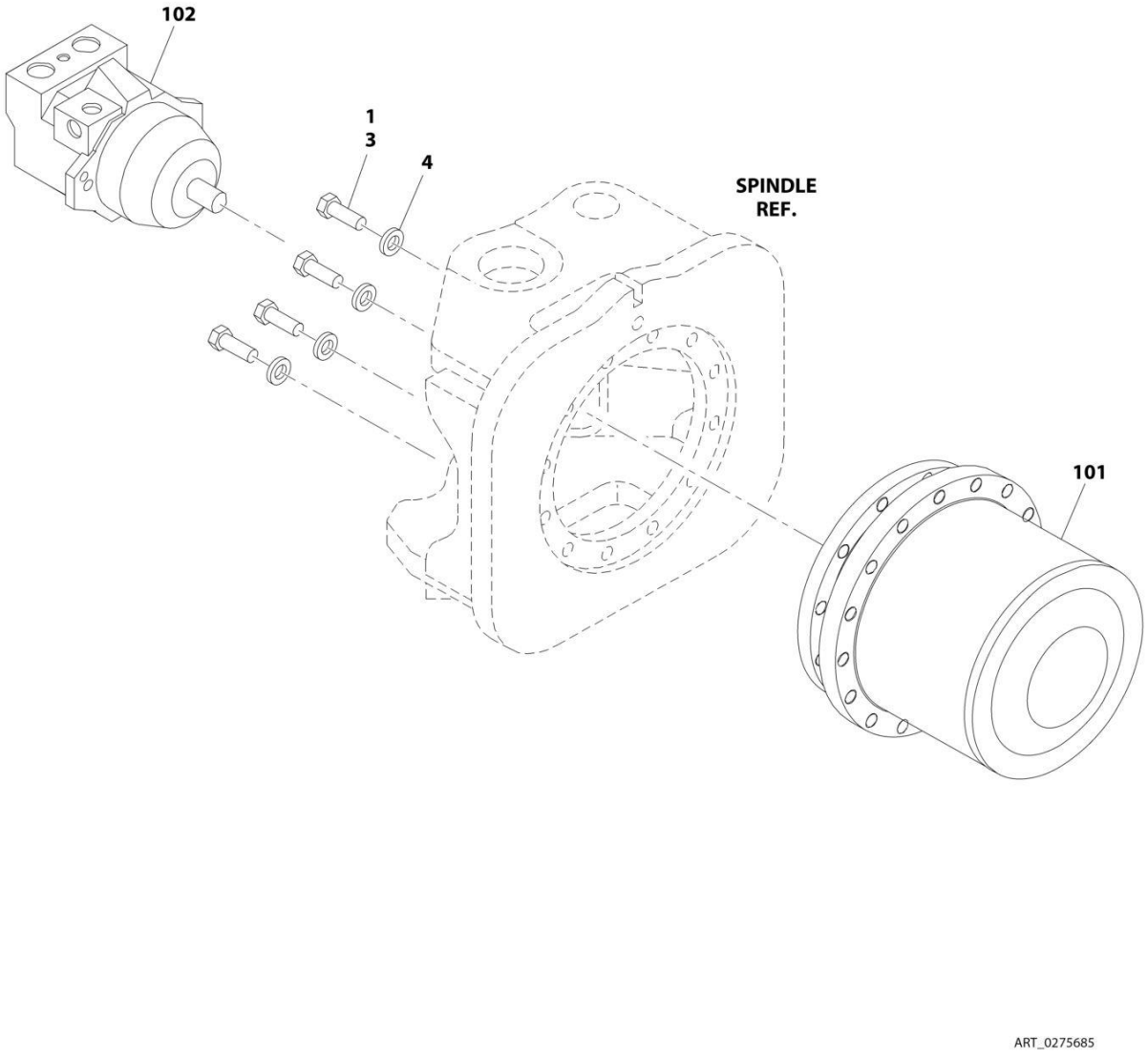

FIGURE 1-4. WHEEL DRIVE INSTALLATION - BONFIGLIOLI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275685	Ref	WHEEL DRIVE INSTALLATION - BONFIGLIOLI	C
1	0100019	AR	Compound, Locking	
3	0701617	48	Bolt M16 x 45 (12 Per Wheel)	
4	4892000	48	Washer 5/8 (12 Per Wheel)	
	2780286	Ref	HUB AND MOTOR ASSEMBLY - BONFIGLIOLI	D
101	1001093243	4	Drive Hub Assembly - Bonfiglioli (See DRIVE HUB ASSEMBLY - BONFIGLIOLI for Breakdown)	
		Ref	Note: Various brands used. When replacing complete hub, note that all 4 hubs must be the same brand.	
		Ref	Note: Various brands used. Identify brand before ordering replacement parts.	
102	3160339	4	Drive Motor Assembly (See DRIVE MOTOR ASSEMBLY for Breakdown)	

FIGURE 1-5. WHEEL DRIVE INSTALLATION - REGGIANA RIDUTTORI

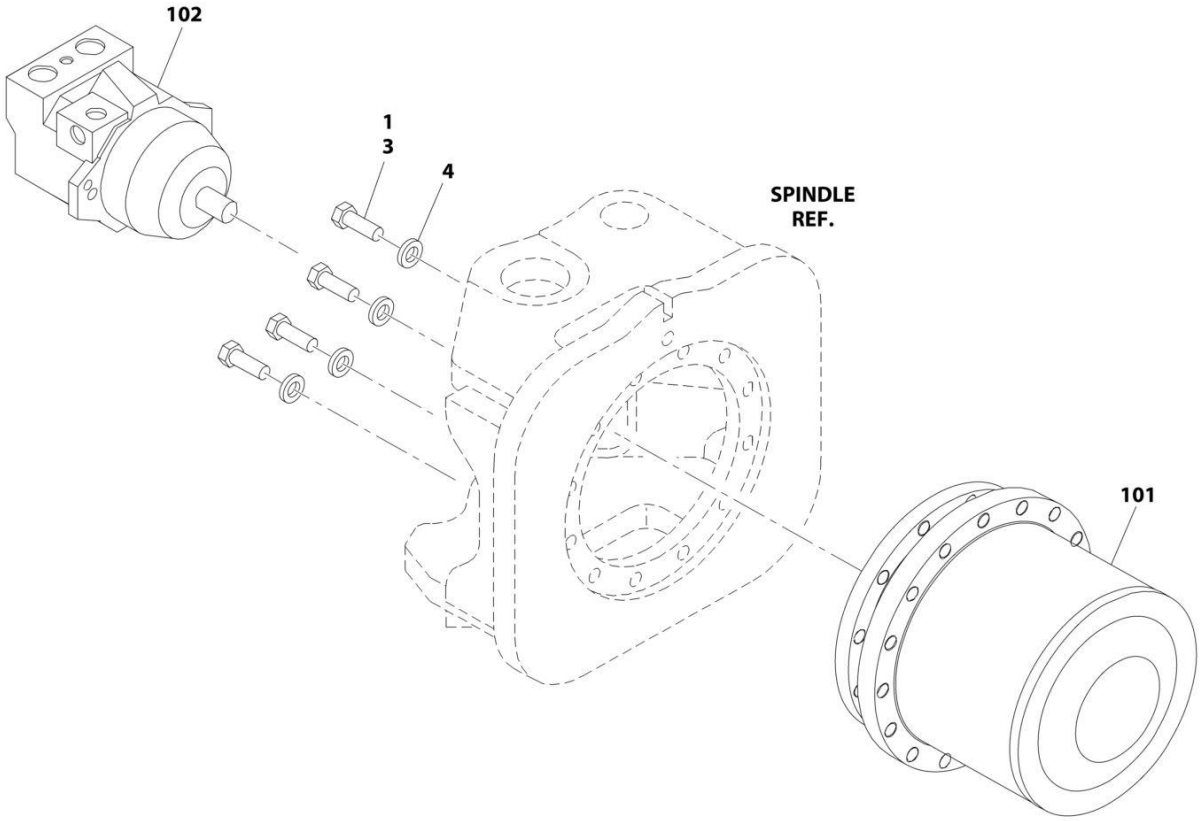

FIGURE 1-5. WHEEL DRIVE INSTALLATION - REGGIANA RIDUTTORI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001104324	Ref	WHEEL DRIVE INSTALLATION - REGGIANA RIDUTTORI	B
1	0100019	AR	Compound, Locking	
3	0701617	48	Bolt M16 x 45 (12 Per Wheel)	
4	4892000	48	Washer 5/8 (12 Per Wheel)	
	1001104315	Ref	HUB AND MOTOR ASSEMBLY - REGGIANA RIDUTTORI	B
101	1001104325	4	Drive Hub Assembly - Reggiana Riduttori (See DRIVE HUB ASSEMBLY - REGGIANA RIDUTTORI for Breakdown)	
		Ref	Note: Various brands used. When replacing complete hub, note that all 4 hubs must be the same brand.	
		Ref	Note: Various brands used. Identify brand before ordering replacement parts.	
102	3160339	4	Drive Motor Assembly (See DRIVE MOTOR ASSEMBLY for Breakdown)	

FIGURE 1-6. DRIVE HUB ASSEMBLY - BONFIGLIOLI

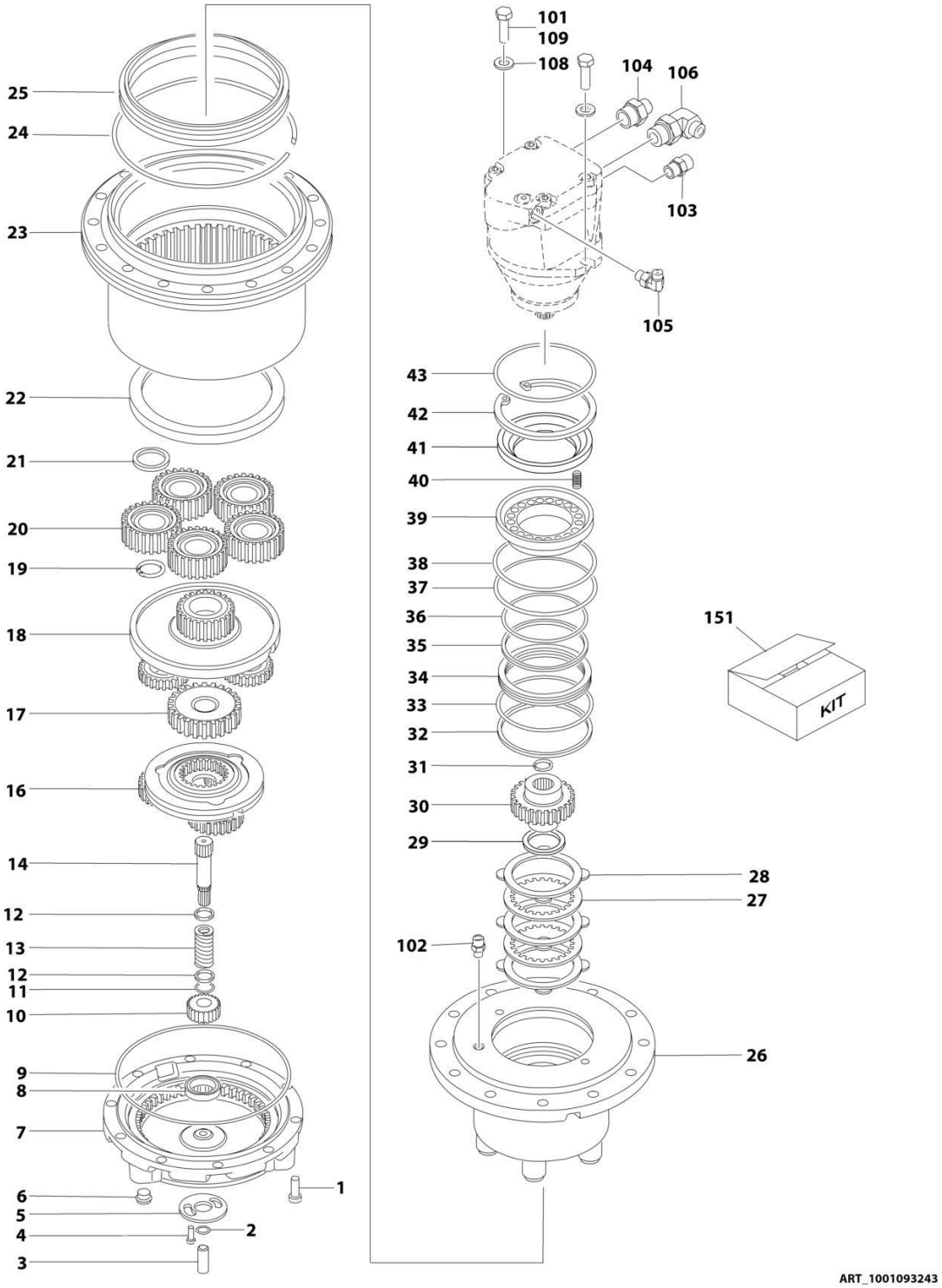

FIGURE 1-6. DRIVE HUB ASSEMBLY - BONFIGLIOLI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001093243	Ref	DRIVE HUB ASSEMBLY - BONFIGLIOLI	F
		Ref	Note: Various brands used on Machines. Identify brand before ordering replacement parts.	
	1001093242	1	Hub, Torque - Bonfiglioli	
1	70000810	10	Bolt M10 x 25	
2	70000811	1	O-Ring	
3	70000812	1	Pin	
4	70000813	2	Bolt M8 x 16	
5	70002393	1	Cap, Disconnect	
6	See Note	2	Plug (Note: Not Available for Purchase)	
7	70002394	1	Cover Assembly (Includes Items 2-6 & 8)	
8	70000816	1	Pad	
9	70000817	1	O-Ring	
10	70000818	1	Gear, Primary Sun	
11	See Note	NSS	Ring, Neoprene (Note: Use Item 151)	
12	See Note	NSS	Washer (Note: Use Item 151)	
13	See Note	NSS	Spring (Note: Use Item 151)	
14	See Note	NSS	Shaft (Note: Use Item 151)	
16	70000820	1	Reduction Assembly, Primary	
17	70000821	1	Gear, Secondary Sun	
18	70000822	1	Reduction Assembly, Secondary	
19	70000823	5	Snap Ring	
20	70000824	5	Gear Assembly, Planetary	
21	70000825	5	Spacer	
22	70000826	1	Nut	
23	70002395	1	Housing (Includes Bearing)	
24	70002396	2	Ball Bearing	
25	70002397	1	Seal	
26	See Note	NSS	Spindle (Note: Not Available - Purchase Complete Assembly)	
27	70000834	4	Disc, Steel	
28	70000835	5	Disc, Lined	
29	70000836	1	Spacer	
30	70002398	1	Shaft, Brake	
31	70000838	1	Snap Ring	
32	70000839	1	Ring, Back-up	
33	70000840	1	O-Ring	
34	70000841	1	Spacer	
35	70000842	1	Ring, Back-up	
36	70000843	1	O-Ring	
37	70000844	1	O-Ring	
38	70000845	1	Ring, Back-up	
39	70000846	1	Piston, Brake	
40	70000847	15	Spring	
41	70000848	1	Plate, Spring Retainer	
42	70000849	1	Snap Ring	
48	70002399	1	O-Ring	
101	0761215	2	Bolt M12 x 35	
102	2110404	1	Fitting, Adapter	
103	2110808	1	Fitting, Adapter	
104	2110812	1	Fitting, Adapter	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
105	2130406	1	Fitting, 90 Adapter	
106	2130812	1	Fitting, 90 Adapter	
108	5241200	2	Washer M12	
109	0100011	AR	Compound, Locking	
151	70000819	1	Brake Shaft Kit (Includes Items 11-14)	

FIGURE 1-7. DRIVE HUB ASSEMBLY - REGGIANA RIDUTTORI

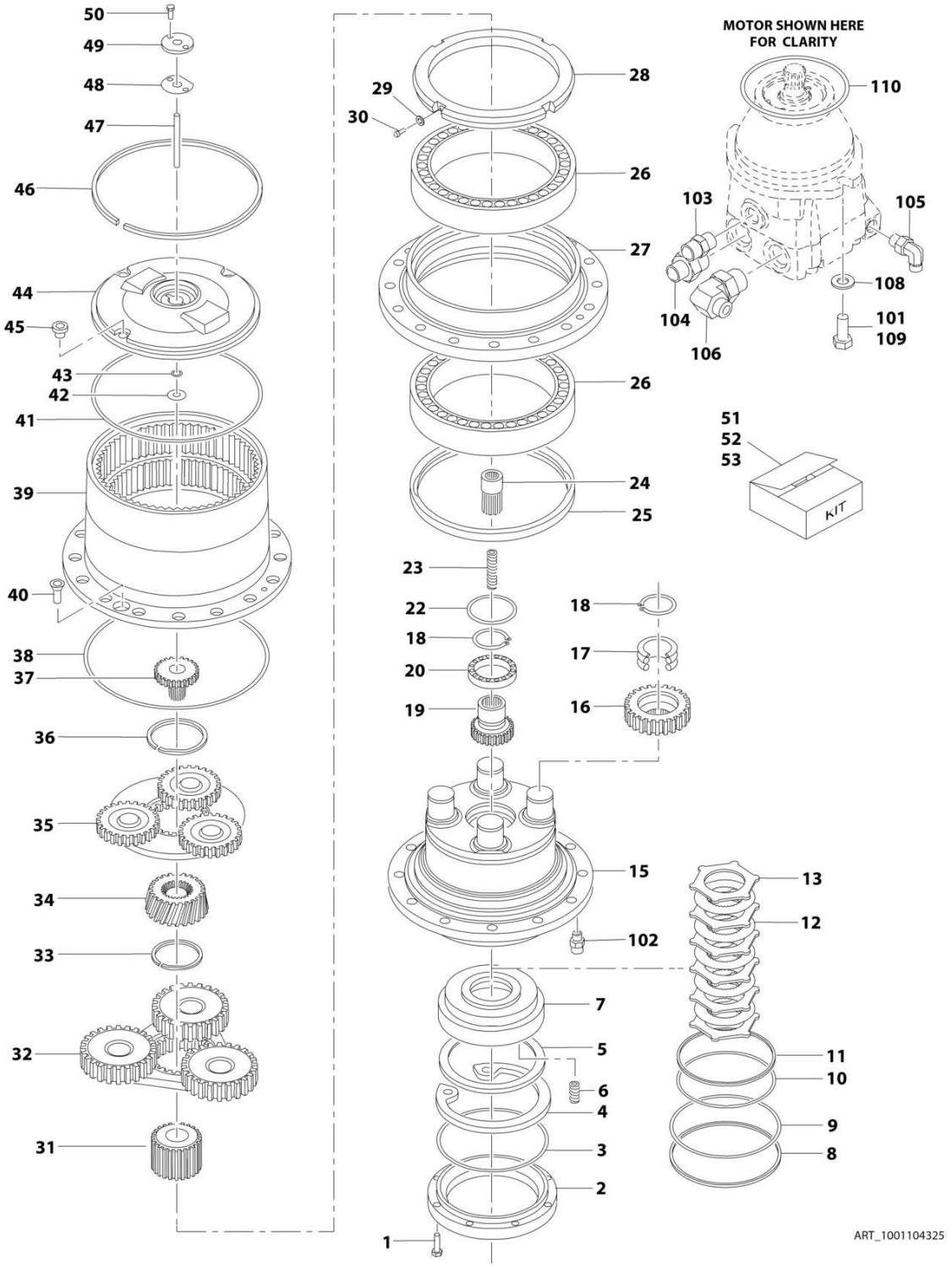

FIGURE 1-7. DRIVE HUB ASSEMBLY - REGGIANA RIDUTTORI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001104325	Ref	DRIVE HUB ASSEMBLY - REGGIANA RIDUTTORI	E
		Ref	Note: Various brands used. Identify brand before ordering replacement parts.	
	1001101550	1	Hub, Torque Less Fittings	
1	70002015	8	Bolt M8 x 25	
2	70002016	1	Ring, Motor Support	
3	See Note	NSS	O-Ring (Note: Use Item 51)	
4	See Note	NSS	Snap Ring (Note: Use Item 53)	
5	See Note	NSS	Retainer, Spring (Note: Use Item 53)	
6	70002020	9	Spring	
7	See Note	NSS	Piston (Note: Use Item 53)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 51 or 53)	
9	See Note	NSS	O-Ring (Note: Use Item 51 or 53)	
10	See Note	NSS	O-Ring (Note: Use Item 51 or 53)	
11	See Note	1	Ring, Back-up (Note: Use Item 51 or 53)	
12	70002026	5	Disc, Friction	
13	70002027	6	Disc, Steel	
15	70002029	1	Spindle	
16	70002030	4	Gear, Planetary	
17	70002031	4	Bearing	
18	70002032	5	Snap Ring	
19	70002033	1	Gear, Brake/Input	
20	70002034	1	Bearing	
22	70002035	1	Ring, Wear	
23	70002036	1	Spring	
24	70002037	1	Shaft, Engagement	
25	See Note	NSS	Seal (Note: Use Item 51)	
26	70002039	2	Bearing Assembly	
27	70002040	1	Support, Hub	
28	70002041	1	Nut, Retaining	
29	70002674	4	Washer	
30	70002674	4	Screw	
31	70002044	1	Gear, Planetary Sun	
32	70002045	1	Reduction Assembly, Secondary	
33	70002046	1	Snap Ring	
34	70002047	1	Gear, Secondary Input Sun	
35	70002048	1	Reduction Assembly, Primary	
36	70002049	1	Snap Ring	
37	70002050	1	Gear, Primary Input Sun	
38	See Note	NSS	O-Ring (Note: Use Item 51)	
39	Not Available	1	Housing, Hub	
40	70002052	2	Screw, Countersunk	
41	See Note	NSS	O-Ring (Note: Use Item 51 or 52)	
42	See Note	NSS	Thrustwasher (Note: Use Item 52)	
43	See Note	NSS	O-Ring (Note: Use Item 51 or 52)	
44	See Note	NSS	Cover, Hub (Note: Use Item 52)	
45	See Note	NSS	Plug (Note: Use Item 52)	
46	See Note	NSS	Snap Ring (Note: Use Item 52)	
47	See Note	NSS	Pin, Engagement (Note: Use Item 52)	
48	See Note	NSS	Gasket (Note: Use Item 51 or 52)	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	See Note	NSS	Cover, Engagement (Note: Use Item 52)	
50	See Note	NSS	Screw (Note: Use Item 52)	
51	70002248	1	Seal Kit (Includes Items 3, 8-11, 25, 38, 41, 43 & 48)	
52	70002247	1	Cover Kit (Includes Items 41-50)	
53	70002249	1	Brake Kit (Includes Items 4-13)	
101	0761214	2	Bolt M12 x 30	
102	2110404	1	Fitting, Adapter ORFS/ORB	
103	2110808	1	Fitting, Adapter ORFS/ORB	
104	2110812	1	Fitting, Adapter ORFS/ORB	
105	2130406	1	Fitting, 90 Adapter ORFS/ORB	
106	2130812	1	Fitting, 90 Adapter ORFS/ORB	
108	5241200	2	Washer M12	
109	0100011	AR	Compound, Locking	
110	3790158	1	O-Ring	
111	3020008	1.58 qt/ 1.5L	Lubricant HD 80W-90 (Not Shown)	

FIGURE 1-8. DRIVE MOTOR ASSEMBLY

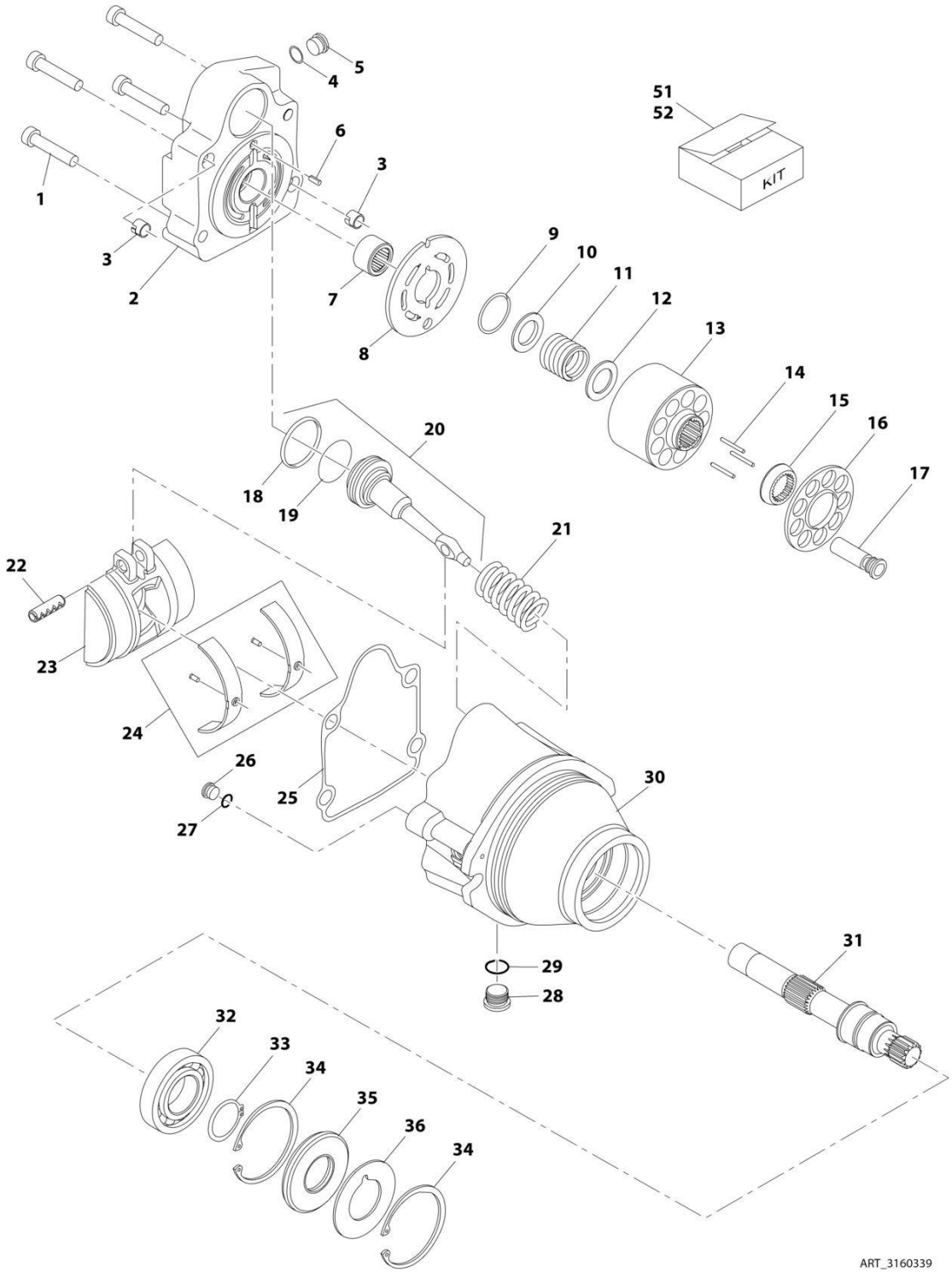

FIGURE 1-8. DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160339	Ref	DRIVE MOTOR ASSEMBLY	D
1	7022368	4	Bolt	
2	70000859	1	End Cap, Motor	
3	70003628	2	Locating Pin	
4	See Note	NSS	O-Ring (Note: Use Item 5 or 51)	
5	7007420	1	Plug (Includes Item 4)	
6	7007446	1	Pin, Dowel	
7	7021249	1	Bearing, Needle	
8	70000854	1	Plate, Valve	
9	7022311	1	Snap Ring	
10	7022314	1	Retainer, Spring	
11	7024867	1	Spring	
12	7024868	1	Washer	
13	70000855	1	Block, Cylinder	
14	7021275	3	Pin, Slipper	
15	70000856	1	Guide	
16	70000857	1	Retainer, Slipper	
17	7024865	9	Piston, Cylinder	
18	See Note	NSS	Ring, Piston (Note: Use Item 20 or 51)	
19	See Note	NSS	O-Ring (Note: Use Item 20 or 51)	
20	70000860	1	Piston, Servo (Includes Items 18 & 19)	
21	70000861	1	Spring	
22	See Note	NSS	Pin (Note: Not Available for Purchase)	
23	70000853	1	Swashplate	
24	70000852	1	Bearing Kit	
25	See Note	NSS	Gasket (Note: Use Item 51)	
26	See Note	NSS	Plug (Note: Not Available for Purchase)	
27	See Note	NSS	O-Ring (Note: Use Item 51)	
28	7022321	1	Plug (Includes Item 29)	
29	See Note	NSS	O-Ring (Note: Use Item 28 or 51)	
30	See Note	NSS	Housing (Note: Use p/n 3160339)	
31	70000858	1	Shaft	
32	7007437	1	Bearing	
33	7007439	1	Snap Ring	
34	7007438	2	Snap Ring	
35	See Note	NSS	Seal (Note: Use Item 51)	
36	7022371	1	Washer, Seal Support	
51	70000862	1	Motor Seal Kit (Includes Items 4, 18, 19, 25, 27, 29 & 35)	
52	7027740	1	Cylinder Block Kit (Includes Items 9-17)	

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

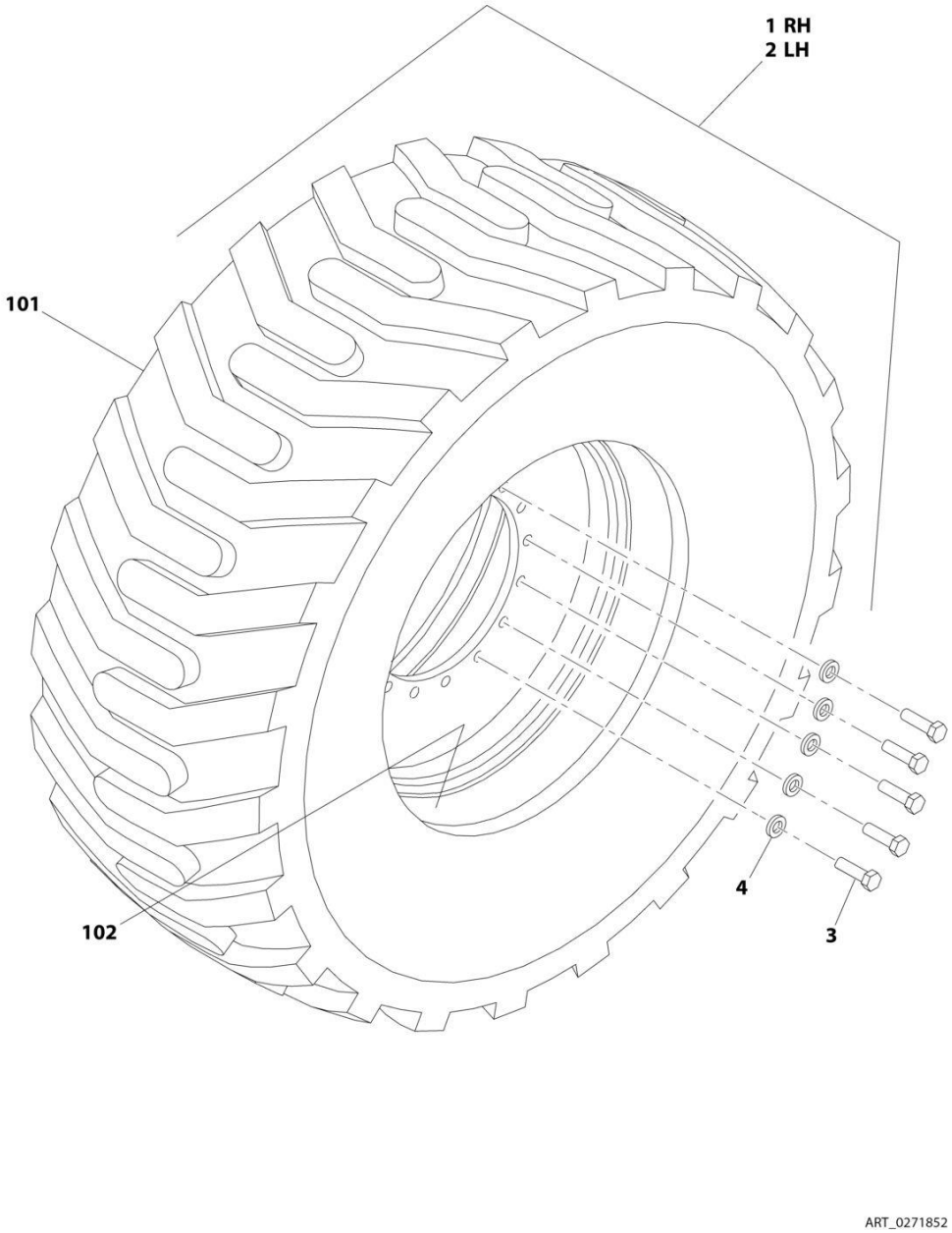

FIGURE 1-9. TIRE AND WHEEL INSTALLATION - FOAM FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271852	Ref	TIRE AND WHEEL INSTALLATION - 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	0272055	2	Tire and Wheel Assembly - RH Side (See Items 101-102 for Breakdown)	E
2	0272056	2	Tire and Wheel Assembly - LH Side (See Items 101-102 for Breakdown)	E
3	0701619	64	Bolt M16 x 55 (16 Per Wheel)	
4	4892000	64	Washer 5/8 (16 Per Wheel)	
		Ref	TIRE AND WHEEL ASSEMBLY COMPONENTS	
101	4520261	4	Tire 445/50D710 (For Foam Filling)	
102	4860236	4	Rim, Wheel	

FIGURE 1-10. TIRE AND WHEEL INSTALLATION - SOLID

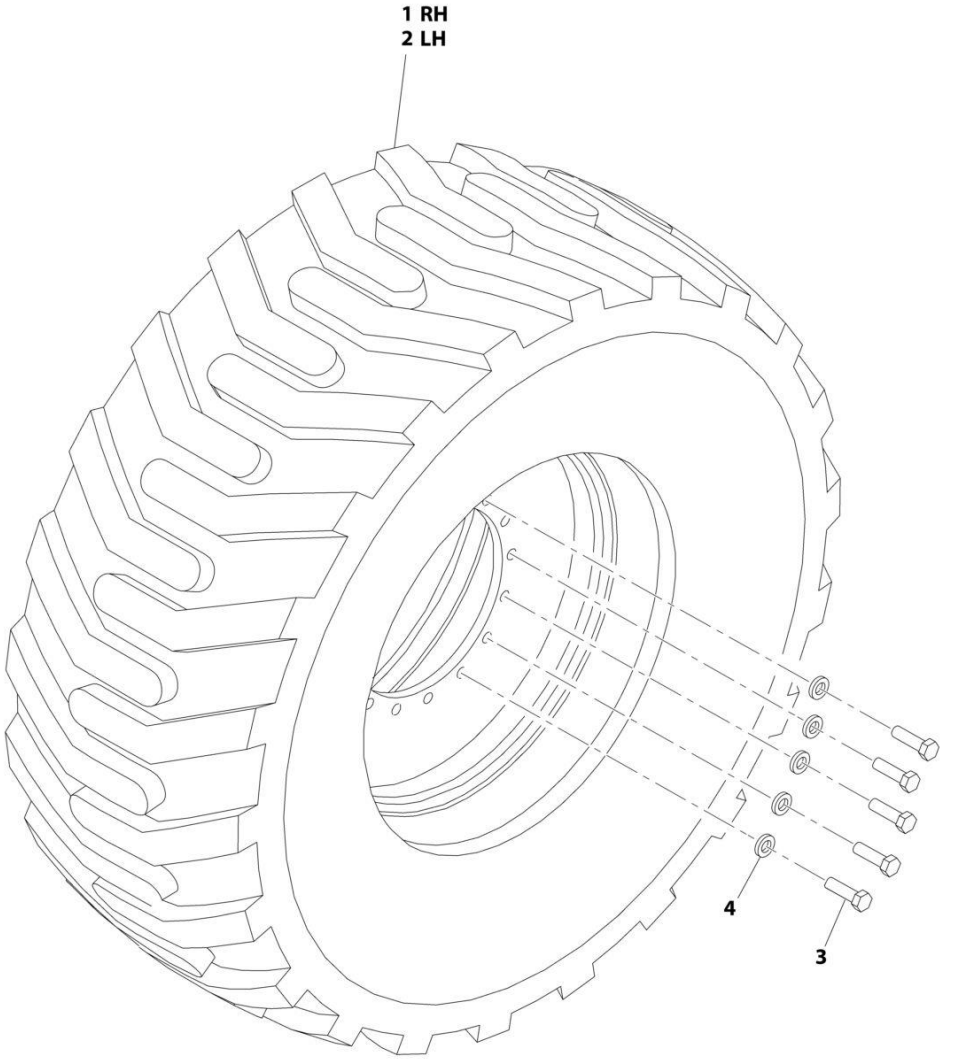

FIGURE 1-10. TIRE AND WHEEL INSTALLATION - SOLID

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115961	Ref	TIRE AND WHEEL INSTALLATION - SOLID	A
1	1001112716	2	Tire and Wheel Assembly - RH Side (Note: Sold as Assembly Only)	
2	1001112669	2	Tire and Wheel Assembly - LH Side (Note: Sold as Assembly Only)	
3	0701619	64	Bolt M16 x 55 (16 Per Wheel)	
4	4892000	64	Washer 5/8 (16 Per Wheel)	

FIGURE 1-11. VALVES AND MODULES INSTALLATION - FRAME MOUNTED (ANSI, CSA AND JAPANESE SPECS)

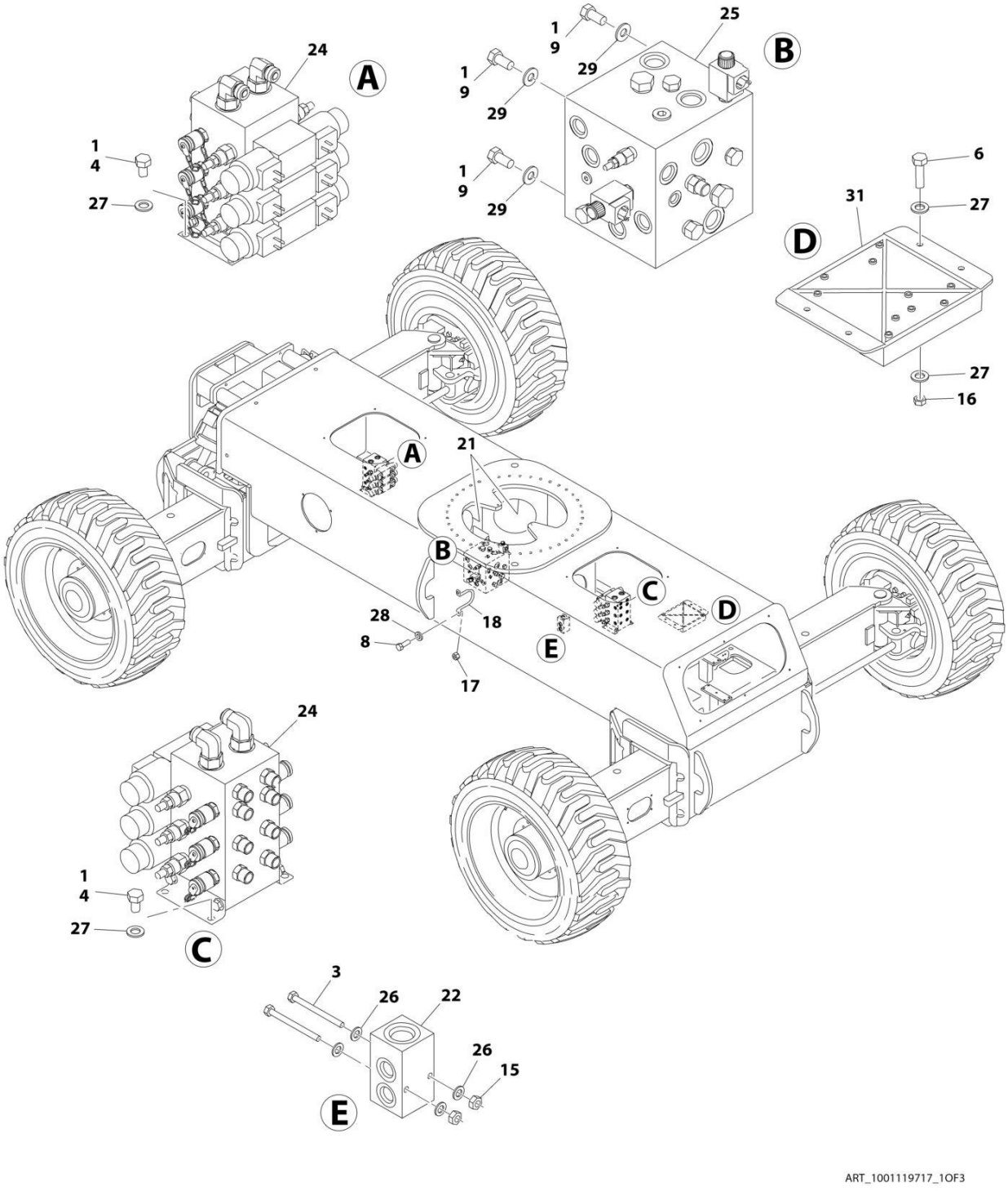

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FIGURE 1-11. VALVES AND MODULES INSTALLATION - FRAME MOUNTED (ANSI, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119717	Ref	VALVES AND MODULES INSTALLATION - FRAME MOUNTED (ANSI, CSA AND JAPANESE SPECS)	G
1	0100011	AR	Compound, Locking	
3	0641424	2	Bolt 1/4 x 3	
4	0641504	8	Bolt 5/16 x 1/2	
6	0641509	4	Bolt 5/16 x 1-1/8	
8	0641608	20	Bolt 3/8 x 1	
9	0641808	4	Bolt 1/2 x 1	
15	3311405	2	Nut 1/4	
16	3311505	9	Nut 5/16	
17	3311605	4	Nut 3/8	
18	3841340	2	Loop, Hose	
21	4060808	124 in/ 3.2m	Flex-Trim	
22	4641155	1	Manifold, Junction	
24	4641268	2	Steer Valve Assembly (See STEER VALVE ASSEMBLY for Breakdown)	
25	4641454	1	Traction Valve Assembly (See TRACTION VALVE ASSEMBLY for Breakdown)	
26	4711400	8	Washer 1/4	
27	4711500	31	Washer 5/16	
28	4711600	26	Washer 3/8	
29	4711800	4	Washer 1/2	
31	1001112758	1	Module, Chassis (Note: Re-calibration Required when Replaced)	

FIGURE 1-12. VALVES AND MODULES INSTALLATION - FRAME MOUNTED (WITH 1 CELL LSS) (CE AND AUSTRALIAN SPECS) (SN 0300234294 through 0300272505)

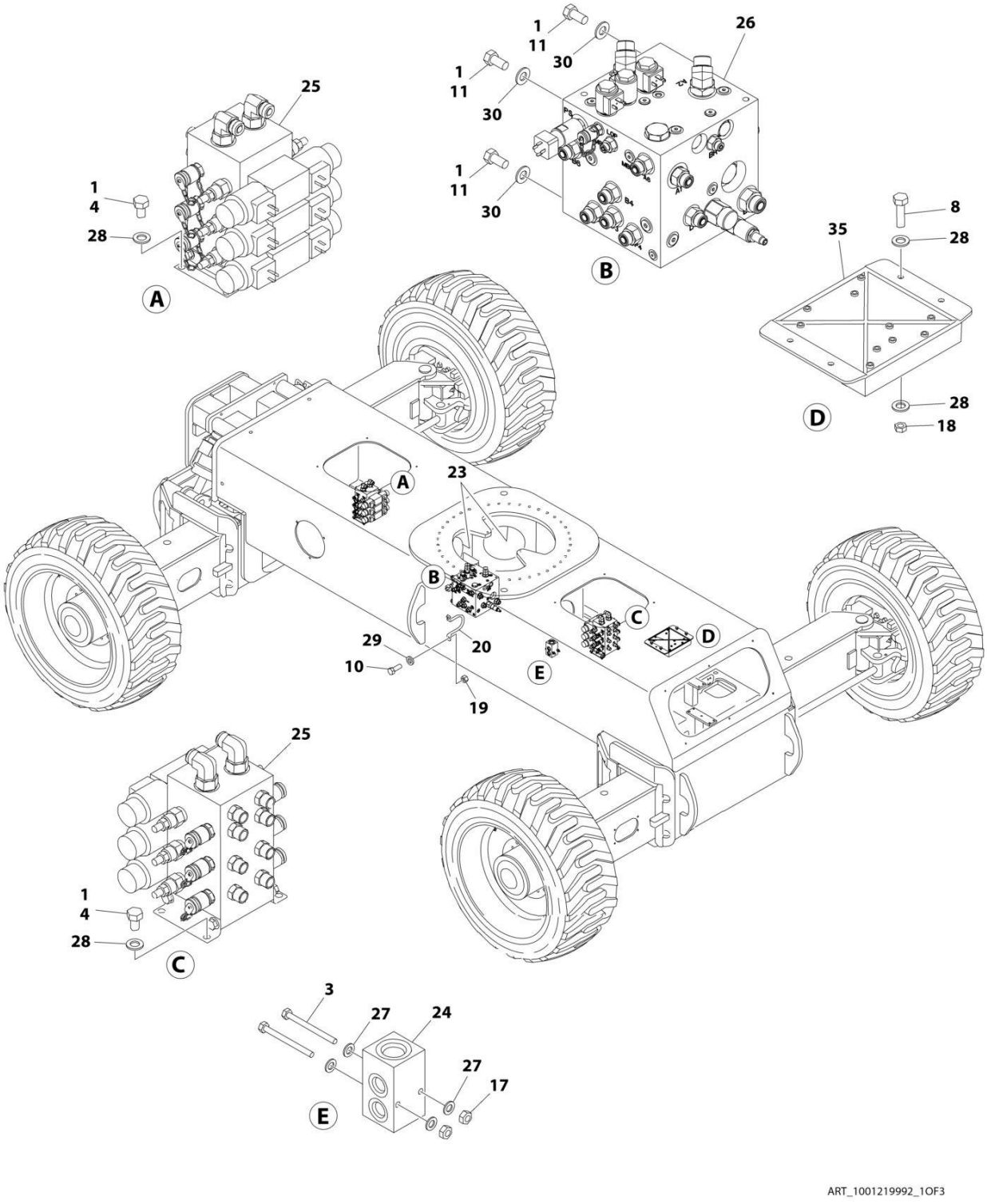


FIGURE 1-12. VALVES AND MODULES INSTALLATION - FRAME MOUNTED (WITH 1 CELL LSS) (CE AND AUSTRALIAN SPECS) (SN 0300234294 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219992	Ref	VALVES AND MODULES INSTALLATION - FRAME MOUNTED (WITH 1 CELL LSS) (CE AND AUSTRALIAN SPECS)	A
1	0100011	AR	Compound, Locking	
3	0641424	2	Bolt 1/4 x 3	
4	0641504	8	Bolt 5/16 x 1/2	
8	0641509	4	Bolt 5/16 x 1-1/8	
10	0641608	20	Bolt 3/8 x 1	
11	0641808	4	Bolt 1/2 x 1	
17	3311405	2	Nut 1/4	
18	3311505	9	Nut 5/16	
19	3311605	4	Nut 3/8	
20	3841340	2	Loop, Hose	
23	4060808	124 in/ 3.2m	Flex-Trim	
24	4641155	1	Manifold, Junction	
25	4641268	2	Steer Valve Assembly (See STEER VALVE ASSEMBLY for Breakdown)	
26	4641454	1	Traction Valve Assembly (See TRACTION VALVE ASSEMBLY for Breakdown)	
27	4711400	8	Washer 1/4	
28	4711500	43	Washer 5/16	
29	4711600	24	Washer 3/8	
30	4711800	4	Washer 1/2	
35	1001112758	1	Module, Chassis (Note: Re-calibration Required when Replaced)	

FIGURE 1-13. STEER VALVE ASSEMBLY

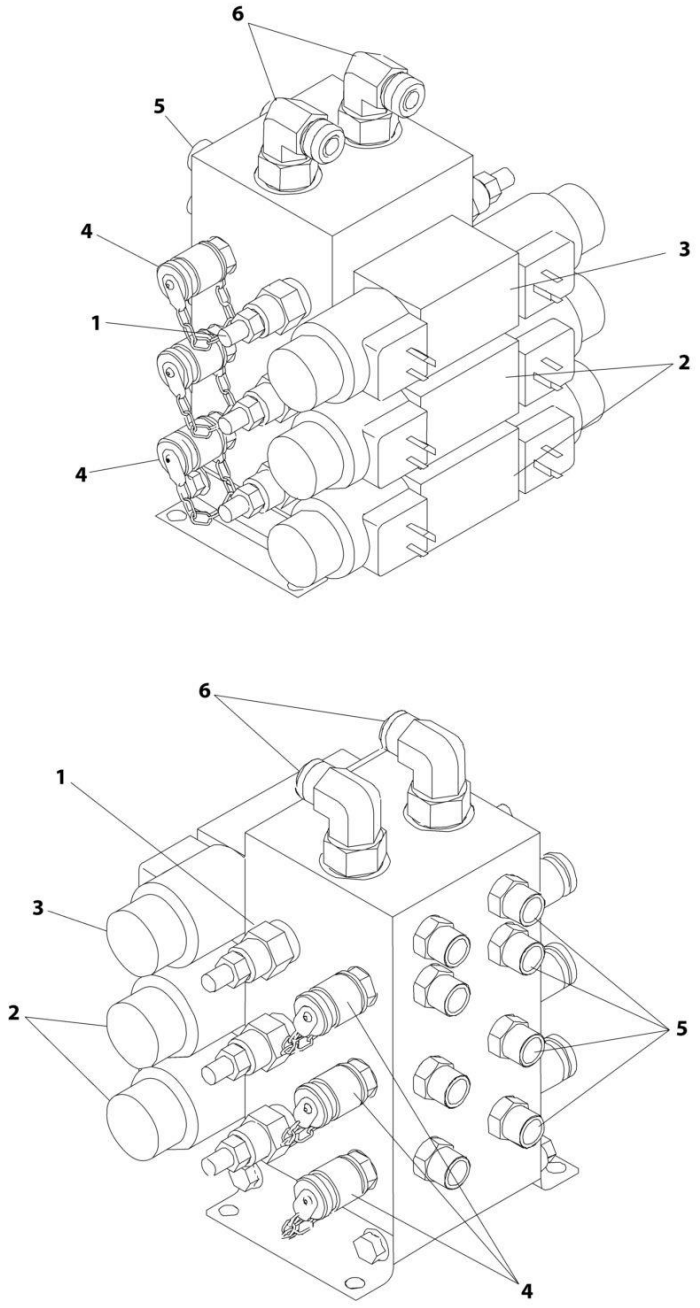


FIGURE 1-13. STEER VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4641268	Ref	STEER VALVE ASSEMBLY	B
1	7026028	6	Cartridge	
1	7011346	6	Seal Kit - 7026028 Cartridge	
2	7024927	2	Valve	
2	7012773	2	Seal Kit - 7024927 Valve	
2	7018991	4	Coil (2 Per Valve)	
3	70001976	1	Valve	
3	7012773	1	Seal Kit - 70001976 Valve	
3	7018991	2	Coil	
4	2221086	6	Check, Pressure	
5	2110606	8	Fitting, Straight ORFS/ORB	
6	2130810	2	Fitting, 90 ORFS/ORB	

FIGURE 1-14. TRACTION VALVE ASSEMBLY

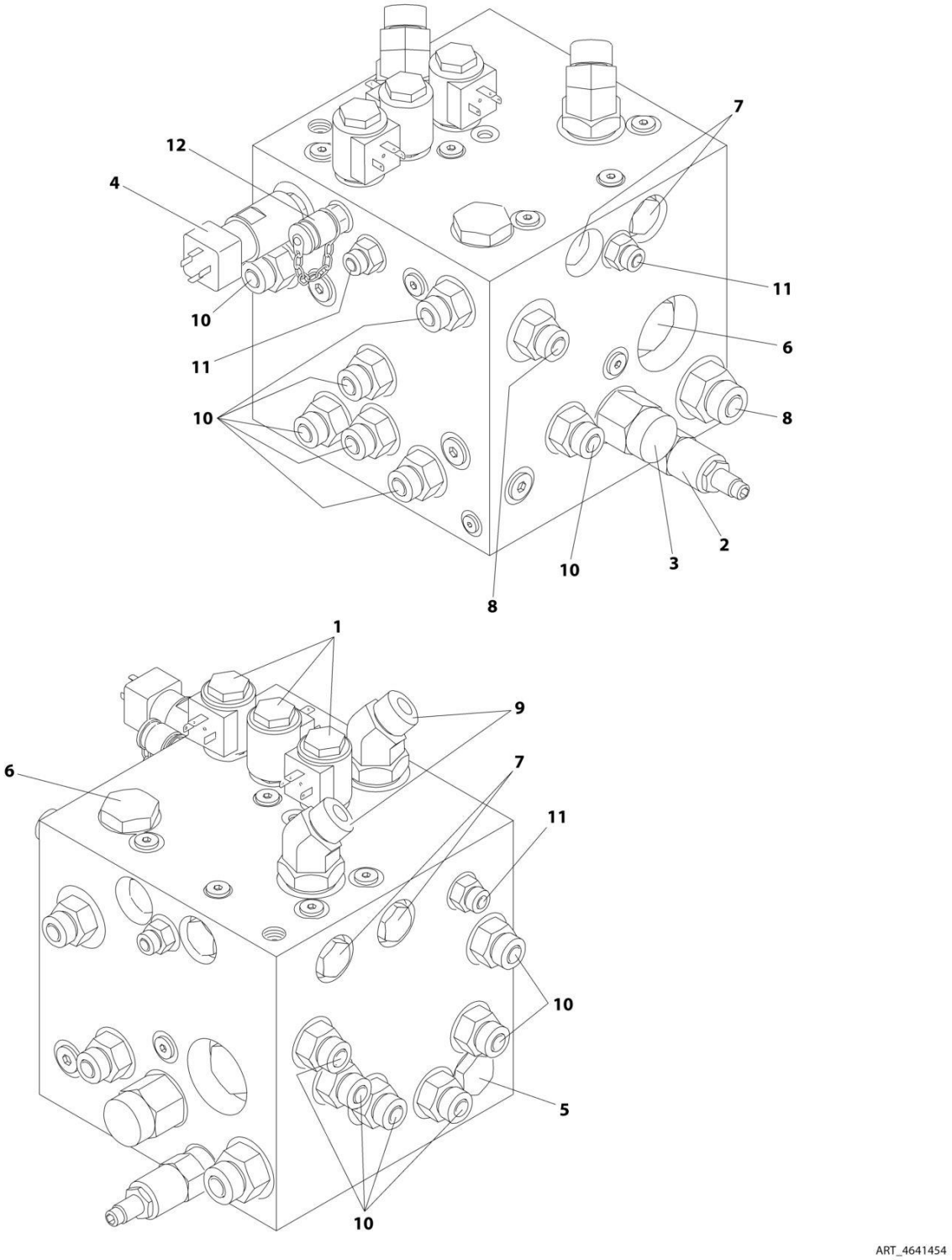
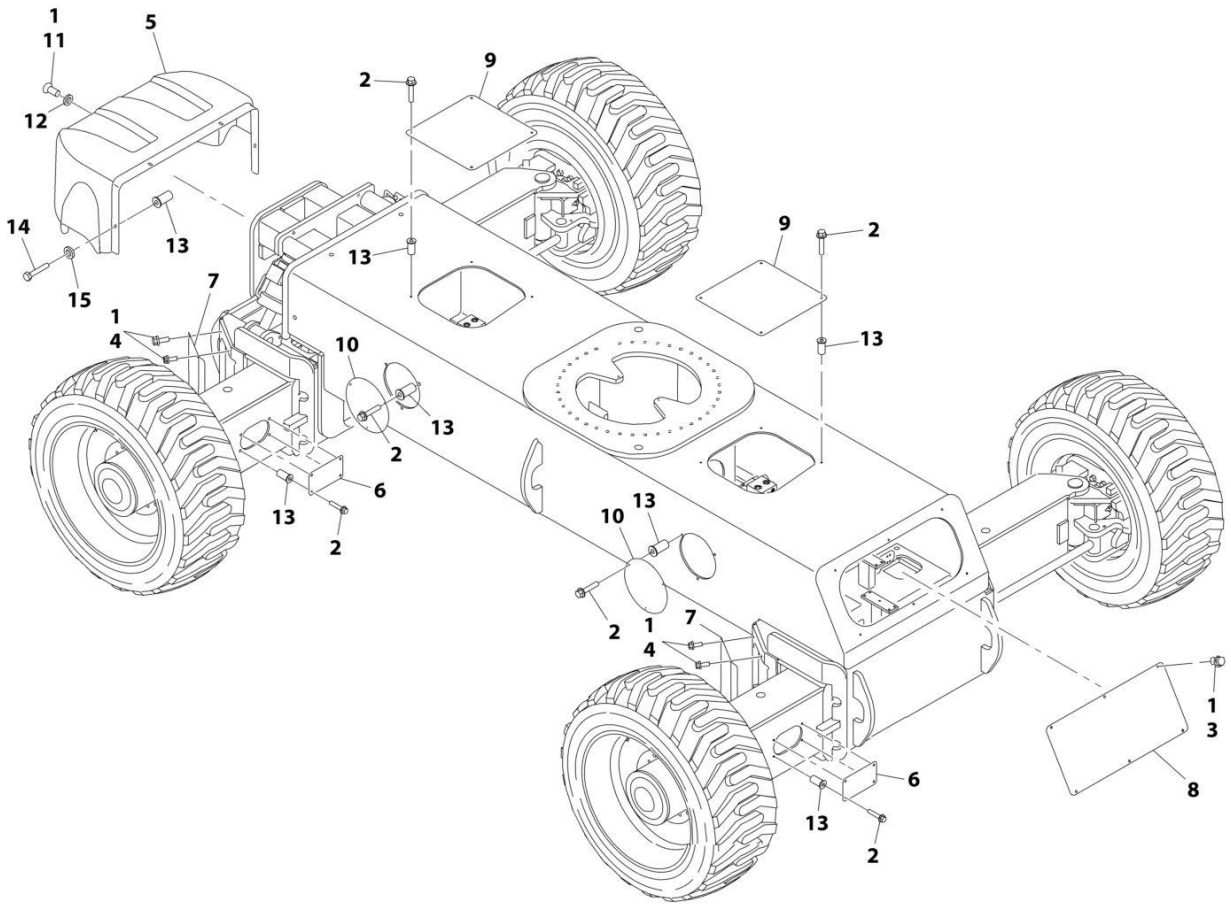


FIGURE 1-14. TRACTION VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4641454	Ref	TRACTION VALVE ASSEMBLY	E
1	7012941	3	Cartridge, Solenoid Valve (Steer, Brake and Axle Lockout)	
1	7010543	3	Seal Kit - 7012941 Cartridge	
1	7012944	2	Coil	
2	70000801	1	Cartridge, Valve (Relief)	
2	7012998	1	Seal Kit - 70000801 Cartridge	
3	70000802	1	Cartridge, Valve (Pilot)	
3	7012942	1	Seal Kit - 70000802 Cartridge	
4	70000803	1	Pressure Switch	
5	70000804	1	Cartridge, Valve (Shuttle)	
5	70000805	1	Seal Kit - 70000804 Cartridge	
6	70000806	2	Cartridge, Valve (Flow Divider)	
6	7017405	2	Seal Kit - 70000806 Cartridge	
7	7012955	4	Cartridge, Valve (Check)	
7	7012967	4	Seal Kit - 7012955 Cartridge	
8	2111012	2	Fitting, Straight ORFS/ORB	
9	2151012	2	Fitting, 45 ORFS/ORB	
10	2110810	13	Fitting, Straight ORFS/ORB	
11	2110406	3	Fitting, Straight ORFS/ORB	
12	2221086	1	Check, Pressure	
13	2220883	1	Plug #4 (Not Shown)	

FIGURE 1-15. FRAME COVERS INSTALLATION - PLASTIC



ART_1001176346

FIGURE 1-15. FRAME COVERS INSTALLATION - PLASTIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176346	Ref	FRAME COVERS INSTALLATION - PLASTIC	C
1	0100011	AR	Compound, Locking	
2	0791410	36	Screw 1/4 x 1-1/4	
3	0791604	6	Screw 3/8 x 1/2	
4	0791607	16	Screw 3/8 x 7/8	
5	1670996	1	Cover (Frame Front)	
6	1671045	4	Plate, Cover (Axle Side)	
7	1671046	4	Plate, Cover (Axle Corner)	
8	1671047	1	Plate, Cover (Rear)	
9	1671048	2	Plate, Cover (Frame Top)	
10	1671049	4	Plate, Cover (Frame Side)	
11	3900283	3	Screw 3/8 x 3/4	
12	4751600	3	Washer 3/8	
13	8580420	40	Nut, Well	
14	0641412	4	Bolt 1/4 x 1-1/2	
15	4740430	4	Washer, Fender	

FIGURE 1-16. FRAME COVERS INSTALLATION - STEEL

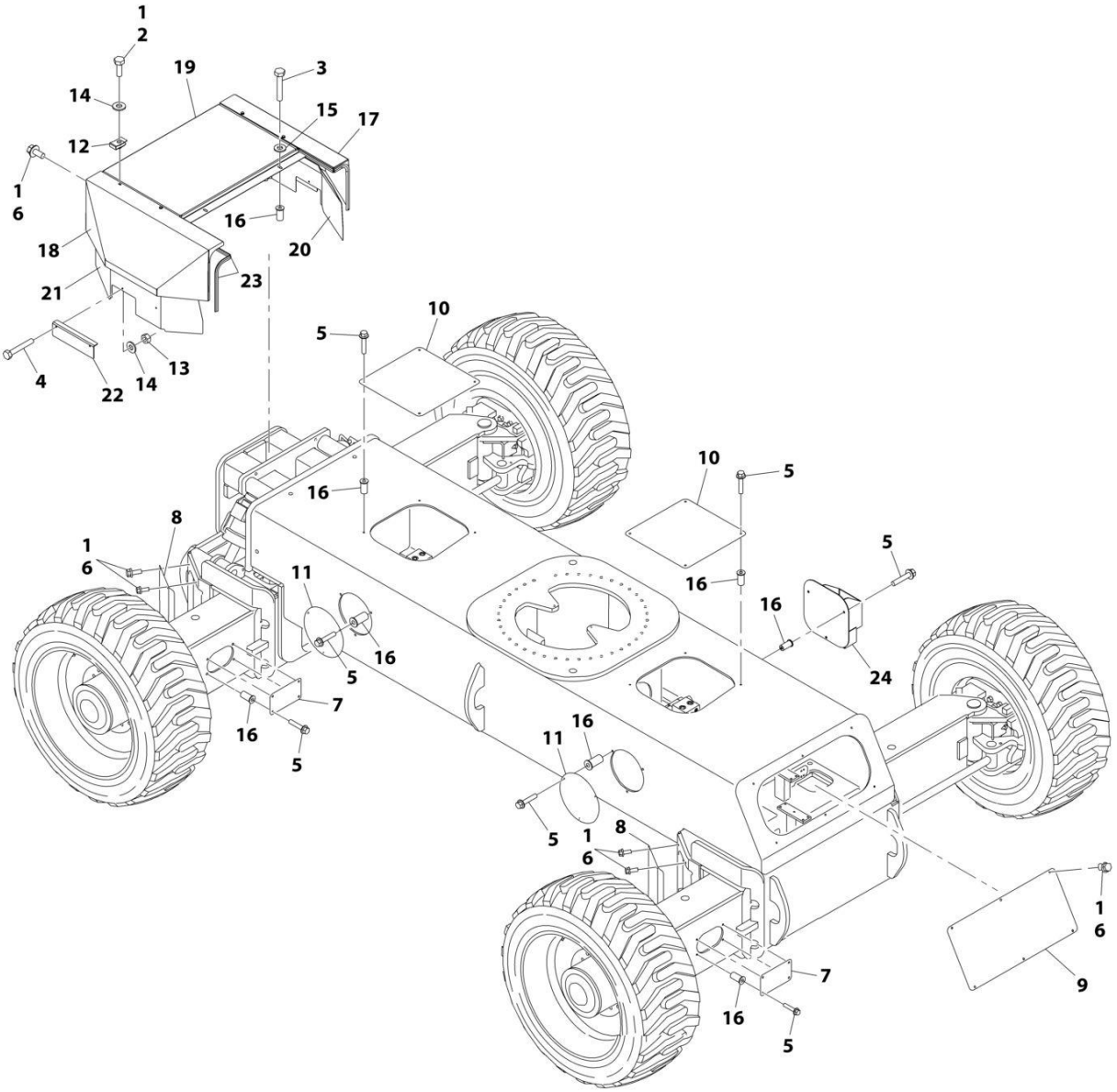


FIGURE 1-16. FRAME COVERS INSTALLATION - STEEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176347	Ref	FRAME COVERS INSTALLATION - STEEL	C
1	0100011	AR	Compound, Locking	
2	0641406	8	Screw 1/4 x 3/4	
3	0641412	2	Bolt 1/4 x 1-1/2	
4	0641414	4	Screw 1/4 x 1-3/4	
5	0791410	36	Screw 1/4 x 1-1/4	
6	0791604	25	Screw 3/8 x 1/2	
7	1671045	4	Plate, Cover (Axle Side)	
8	1671046	4	Plate, Cover (Axle Corner)	
9	1671047	1	Plate, Cover (Rear)	
10	1671048	2	Plate, Cover (Frame Top)	
11	1671049	3	Plate, Cover (Frame Side)	
12	3300454	8	Nut, Retainer 1/4	
13	3311405	4	Nut 1/4	
14	4711400	12	Washer 1/4	
15	4740430	2	Washer, Fender	
16	8580420	38	Nut, Well	
17	1001110108	1	Cover - RH Side	
18	1001110109	1	Cover - LH Side	
19	1001110110	1	Cover - Center Side	
20	1001110111	1	Shift - RH Side	
21	1001110112	1	Shift - LH Side	
22	1001110113	2	Plate	
23	1001110513	51 in/5.5m	Seal	
24	1001110877	1	Mount, Fire Extinguisher	

SECTION 2 - TURNTABLE

FIGURE 2-1. VALVE, MODULE AND FILTER INSTALLATION - TURNTABLE MOUNTED (ANSI, CSA AND JAPANESE SPECS)

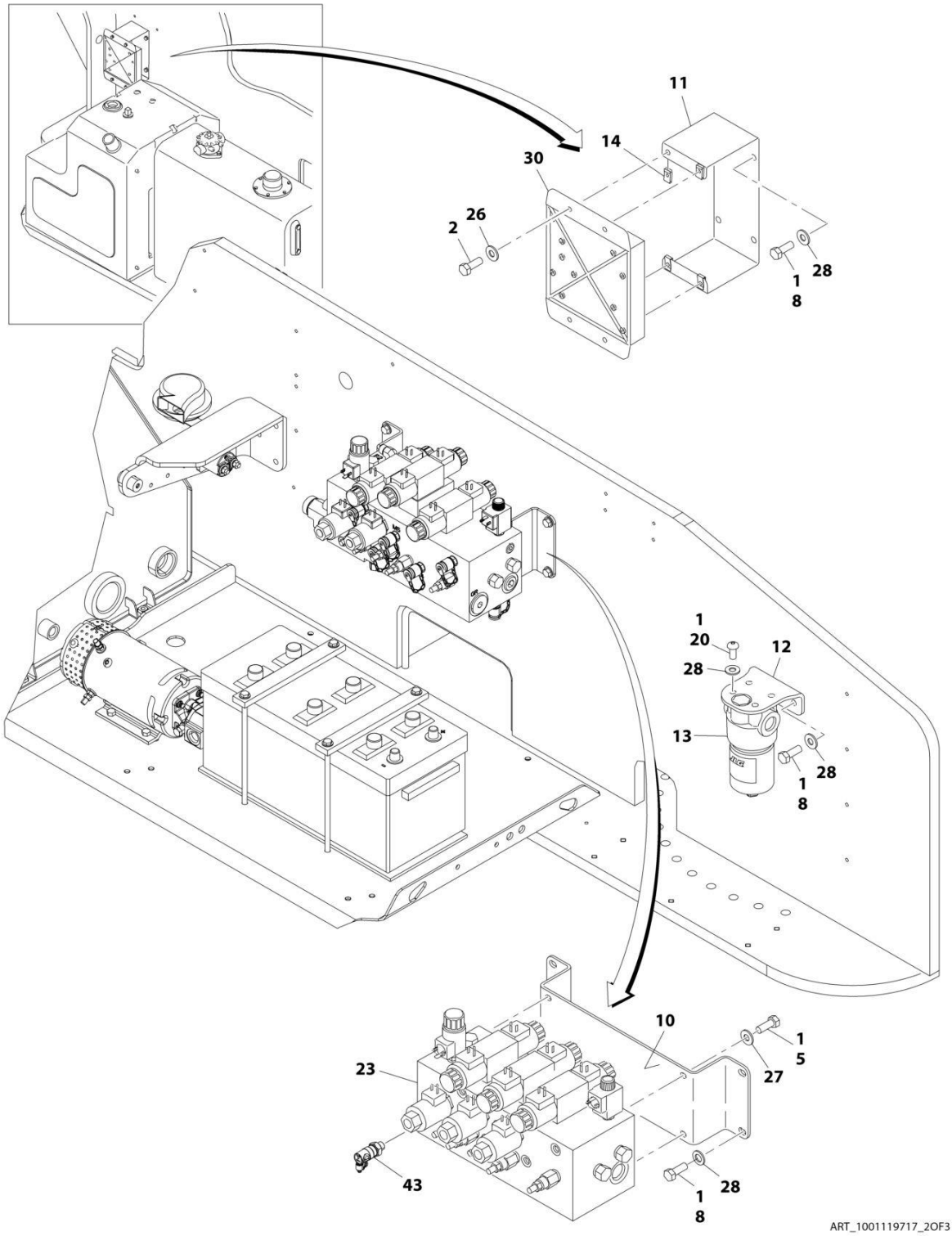


FIGURE 2-1. VALVE, MODULE AND FILTER INSTALLATION - TURNTABLE MOUNTED (ANSI, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119717	Ref	VALVE, MODULE AND FILTER INSTALLATION - TURNTABLE MOUNTED (ANSI, CSA AND JAPANESE SPECS)	H
1	0100011	AR	Compound, Locking	
2	0641406	4	Bolt 1/4 x 3/4	
5	0641506	4	Bolt 5/16 x 3/4	
8	0641608	20	Bolt 3/8 x 1	
10	0902755	1	Bracket, Valve Mounting	
11	0902800	1	Bracket, Module Mounting	
12	0903530	1	Bracket, Filter Mounting	
13	2120217	1	Filter, Pressure	
13	70002097	1	Element	
13	70004328	1	Plug, Indicator	
14	3300454	4	Nut, Retainer	
20	3900283	4	Screw 3/8 x 3/4	
23	1001132194	1	Main Valve Assembly (See MAIN VALVE ASSEMBLY for Breakdown)	
26	4711400	8	Washer 1/4	
27	4711500	31	Washer 5/16	
28	4711600	26	Washer 3/8	
30	1001112757	NLA	Module, B.L.A.M. (Use p/n 1001227960) (Note: Control System must be recalibrated when Module is replaced) **(SN 0300209000 through 0300248621)**	
30	1001227960	1	Module, B.L.A.M. (Note: Control System must be recalibrated when Module is replaced) **(SN 0300248622 through 0300272505)**	
43	1001119455	1	Valve, Oil Sampling	

FIGURE 2-2. VALVE, MODULE AND FILTER INSTALLATION - TURNTABLE MOUNTED (WITH 1 CELL LSS) (CE AND AUSTRALIAN SPECS) (SN 0300234294 through 0300272505)

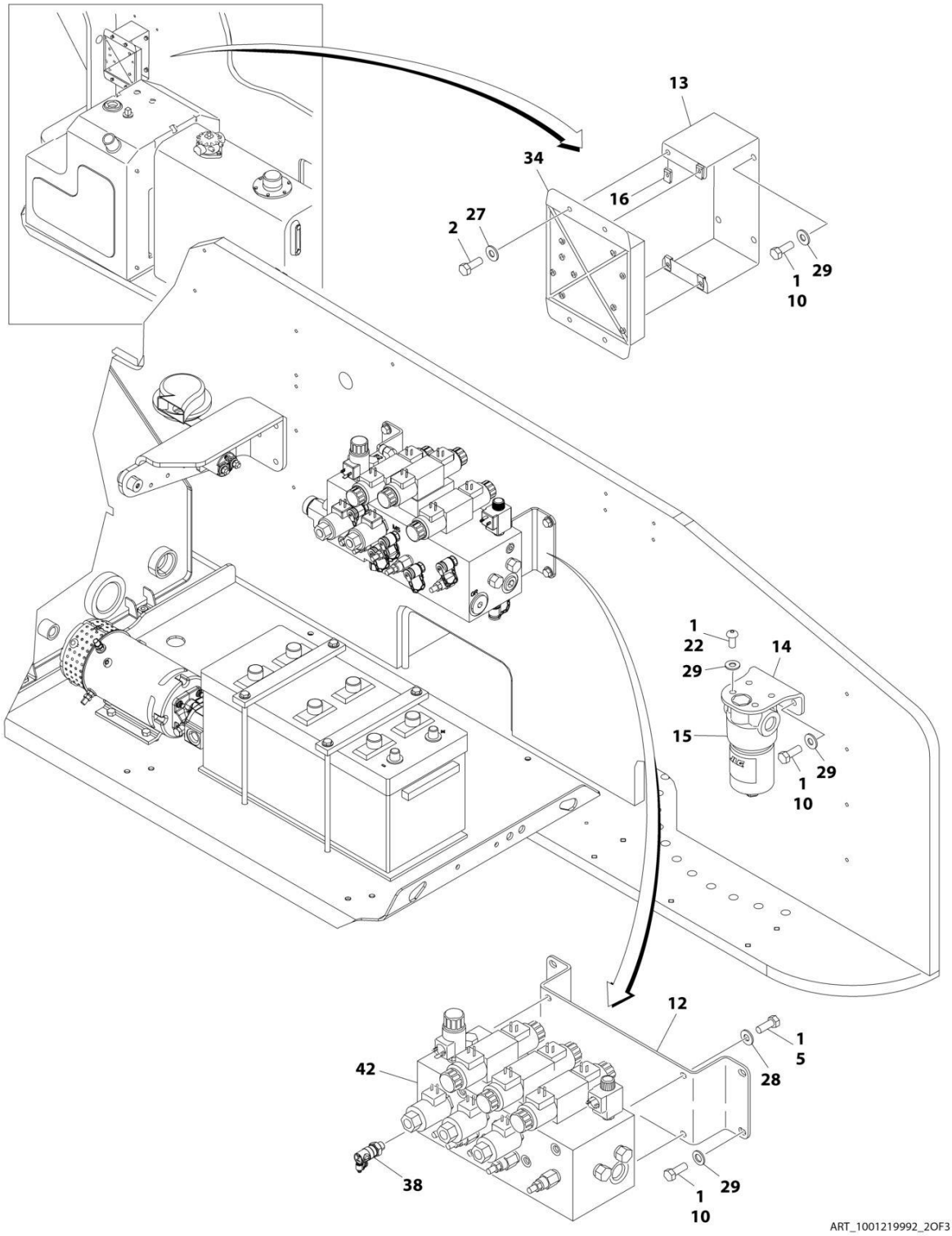


FIGURE 2-2. VALVE, MODULE AND FILTER INSTALLATION - TURNTABLE MOUNTED (WITH 1 CELL LSS) (CE AND AUSTRALIAN SPECS) (SN 0300234294 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219992	Ref	VALVE, MODULE AND FILTER INSTALLATION - TURNTABLE MOUNTED (WITH 1 CELL LSS) (CE AND AUSTRALIAN SPECS)	B
1	0100011	AR	Compound, Locking	
2	0641406	4	Bolt 1/4 x 3/4	
5	0641506	4	Bolt 5/16 x 3/4	
10	0641608	20	Bolt 3/8 x 1	
12	0902755	1	Bracket, Valve Mounting	
13	0902800	1	Bracket, Module Mounting	
14	0903530	1	Bracket, Filter Mounting	
15	2120217	1	Filter, Pressure	
15	70002097	1	Element	
15	70004328	1	Plug, Indicator	
16	3300454	4	Nut, Retainer	
22	3900283	4	Screw 3/8 x 3/4	
27	4711400	8	Washer 1/4	
28	4711500	43	Washer 5/16	
29	4711600	24	Washer 3/8	
34	1001112757	NLA	Module, B.L.A.M. (Use p/n 1001227960) (Note: Control System must be re-calibrated when Module is replaced) **(SN 0300209000 through 0300248621)**	
34	1001227960	1	Module, B.L.A.M. (Note: Control System must be recalibrated when Module is replaced) **(SN 0300248622 through 0300272505)**	
38	1001119455	1	Valve, Oil Sampling	
42	1001132194	1	Main Valve Assembly (See MAIN VALVE ASSEMBLY for Breakdown)	

FIGURE 2-3. BATTERY, HORN AND AUXILIARY PUMP INSTALLATION

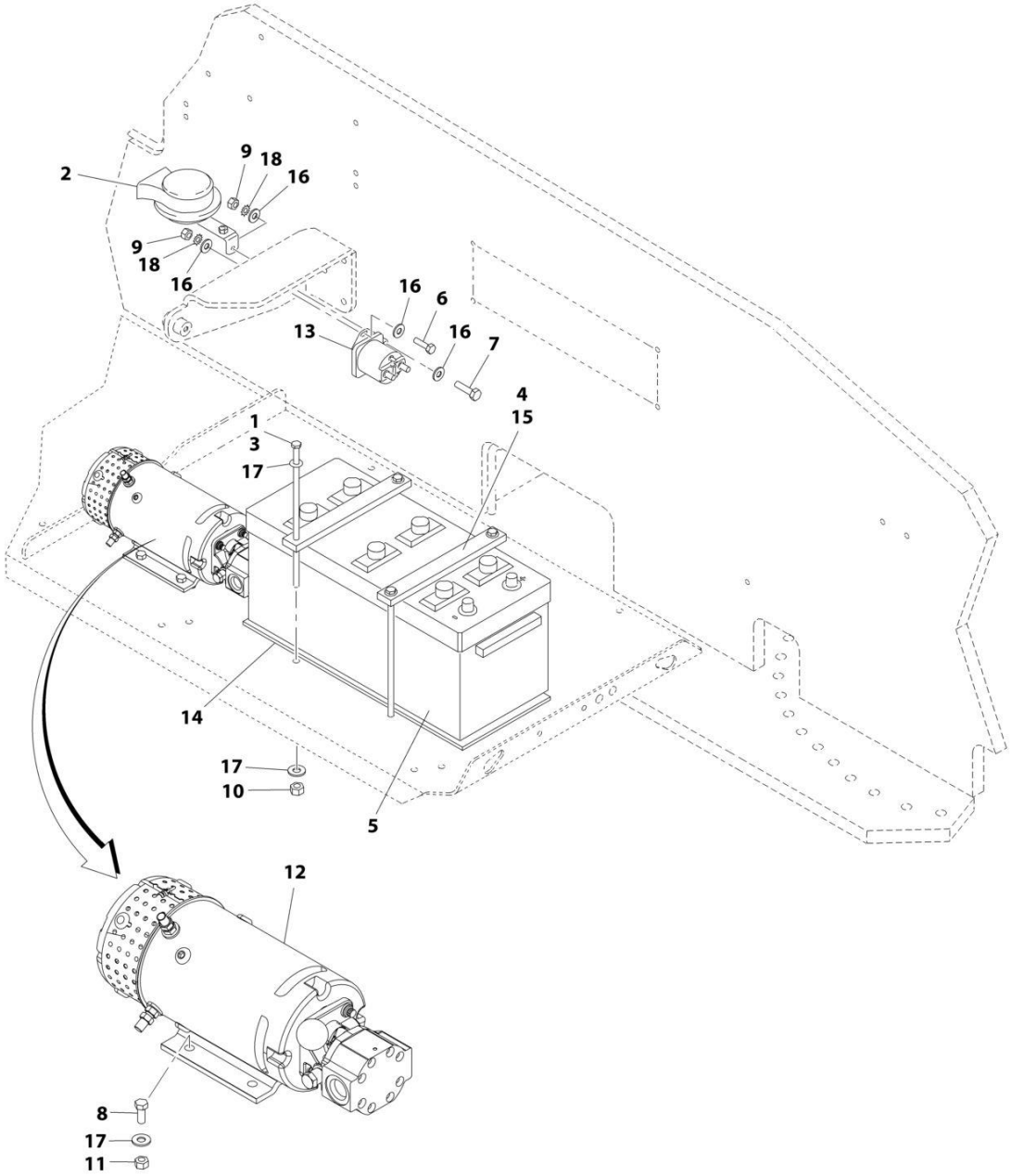


FIGURE 2-3. BATTERY, HORN AND AUXILIARY PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119952	Ref	BATTERY, HORN AND AUXILIARY PUMP INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0140001	1	Horn	
3	0236768	4	Bolt, Hold-down	
4	0363062	2	Bar, Battery	
5	0400020	1	Battery	
6	0641408	1	Bolt 1/4 x 1	
7	0641412	1	Bolt 1/4 x 1-1/2	
8	0641607	4	Bolt 3/8 x 7/8	
9	3311405	3	Nut 1/4	
10	3311601	4	Nut 3/8	
11	3311605	4	Nut 3/8	
12	3600465	NLA	Auxiliary Pump Assembly (Use p/n 1001224066) (See AUXILIARY PUMP ASSEMBLY for Breakdown) **(SN 0300209000 through 0300243453)**	
12	1001224066	1	Auxiliary Pump Assembly (See AUXILIARY PUMP ASSEMBLY for Breakdown) **(SN 0300243454 through 0300272505)**	
13	3740067	1	Relay	
14	3980006	1	Seat, Battery	
15	4420037	17 in/ 43cm	Tape, Insulation	
16	4711400	4	Washer 1/4	
17	4711600	12	Washer 3/8	
18	4791400	2	Washer 1/4	

FIGURE 2-4. MAIN VALVE ASSEMBLY

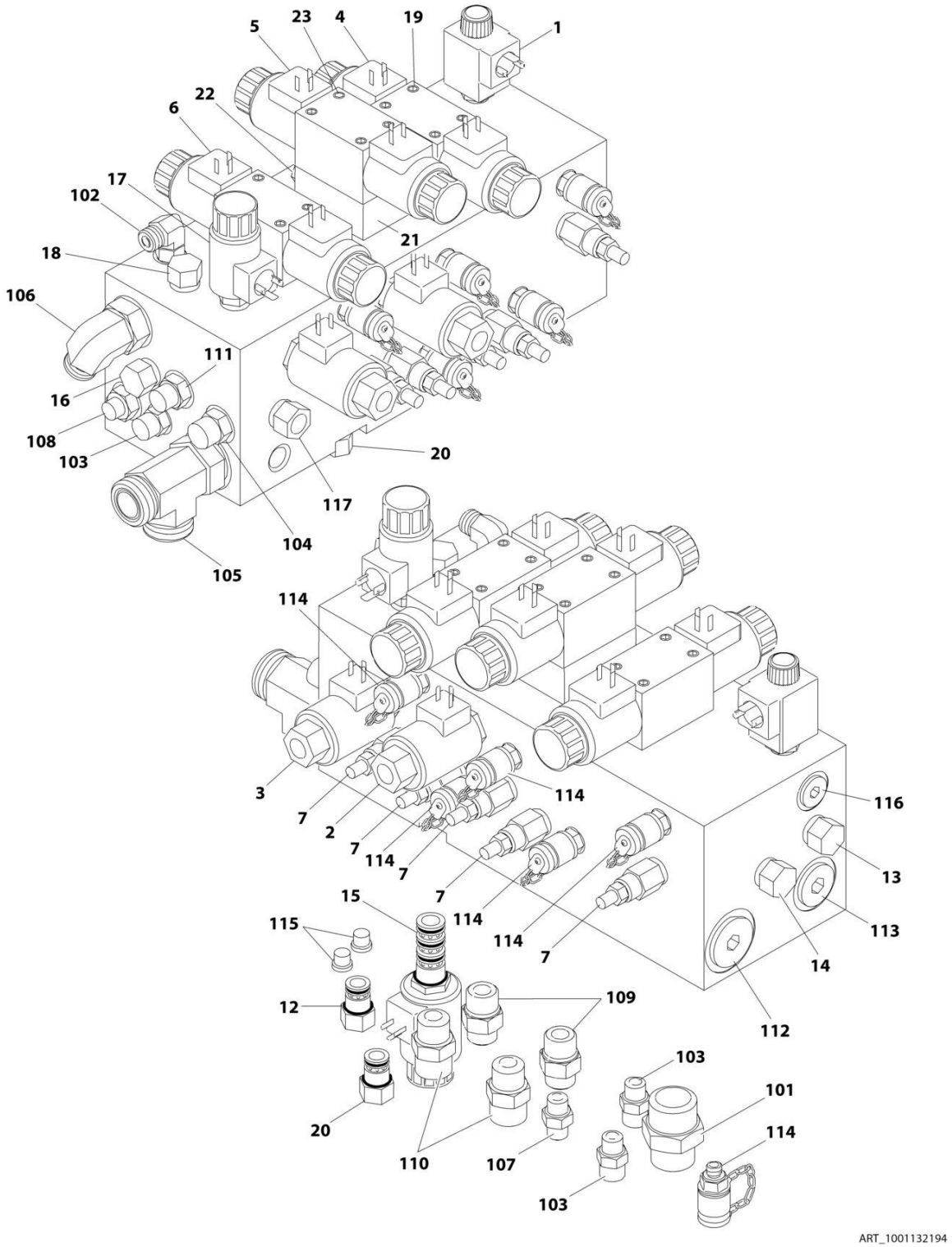


FIGURE 2-4. MAIN VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001132194	Ref	MAIN VALVE ASSEMBLY	B
1	7024573	1	Cartridge, Solenoid Valve (Dump)	
1	7024574	1	Seal Kit - Cartridge	
1	7011354	1	Coil	
2	7021636	1	Cartridge, Solenoid Valve (Lift Flow)	
2	7017495	1	Seal Kit - Cartridge	
2	7017451	1	Coil	
3	7021636	1	Cartridge, Solenoid Valve (Tele Flow)	
3	7017495	1	Seal Kit - Cartridge	
3	7017451	1	Coil	
4	7024924	1	Control Valve Assembly (Swing)	
4	7012773	1	Seal Kit - Valve	
4	7018991	2	Coil	
4	7021375	2	Nut, Coil	
5	7024925	1	Control Valve Assembly (Lift)	
5	7012773	1	Seal Kit - Valve	
5	7018991	2	Coil	
5	7021375	2	Nut, Coil	
6	70001976	1	Control Valve Assembly (Tele)	
6	7012773	1	Seal Kit - Valve	
6	7018991	2	Coil	
6	7021375	2	Nut, Coil	
7	7026007	5	Cartridge, Relief Valve (Swing/Lift Up/Lift Down/Tele In/Tele Out)	
7	7024574	1	Seal Kit - Cartridge	
12	7026000	1	Cartridge, Check Valve	
12	7011311	1	Seal Kit - Cartridge	
13	7026001	1	Cartridge, Check Valve	
13	7011311	1	Seal Kit - Cartridge	
14	7026002	1	Cartridge, Shuttle Valve	
14	2900770	1	Seal Kit - Cartridge	
15	7024570	1	Cartridge, Solenoid Valve (Aux Lift Down Select)	
15	70001930	1	Seal Kit - Cartridge	
15	7024571	1	Coil	
16	7026003	1	Cartridge, Pilot Valve	
16	7026004	1	Seal Kit - Cartridge	
17	7026005	1	Cartridge, Solenoid Valve (Aux Lift Down)	
17	7026006	1	Seal Kit - Cartridge	
17	7024571	1	Coil	
18	7026008	1	Cartridge, Check Valve	
18	7011346	1	Seal Kit - Cartridge	
19	7018942	8	Capscrew #10 x 2	
20	7026016	1	Cartridge, Valve	
20	7011346	1	Seal Kit - Cartridge	
21	70003630	1	Valve, Flow Sandwich	
21	7018968	4	O-Ring	
22	70003021	1	Cartridge, Valve	
22	70003018	1	Seal Kit - Cartridge	
23	7018986	4	Capscrew #10 x 3-1/2	
101	2111216	1	Fitting, Straight ORFS/ORB	
102	2130606	1	Fitting, 90 ORFS/ORB	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	2110606	3	Fitting, Straight ORFS/ORB	
104	2110808	1	Fitting, Straight ORFS/ORB	
105	2170316	1	Fitting, Tee ORFS/ORB/ORFS	
106	2131012	1	Fitting, 90 ORFS/ORB	
107	2110406	1	Fitting, Straight ORFS/ORB	
108	2110408	1	Fitting, Straight ORFS/ORB	
109	2110810	2	Fitting, Straight ORFS/ORB	
110	2111010	2	Fitting, Straight ORFS/ORB	
111	2110608	1	Fitting, Straight ORFS/ORB	
112	2220890	1	Plug	
113	70002760	1	Plug	
114	2221086	6	Check, Pressure	
115	70002758	2	Fitting, Plug	
116	70002759	1	Plug with O-Ring	
117	1001137354	1	Fitting, Straight FORB/ORB	

FIGURE 2-5. AUXILIARY PUMP ASSEMBLY (SN 0300209000 through 0300243453)

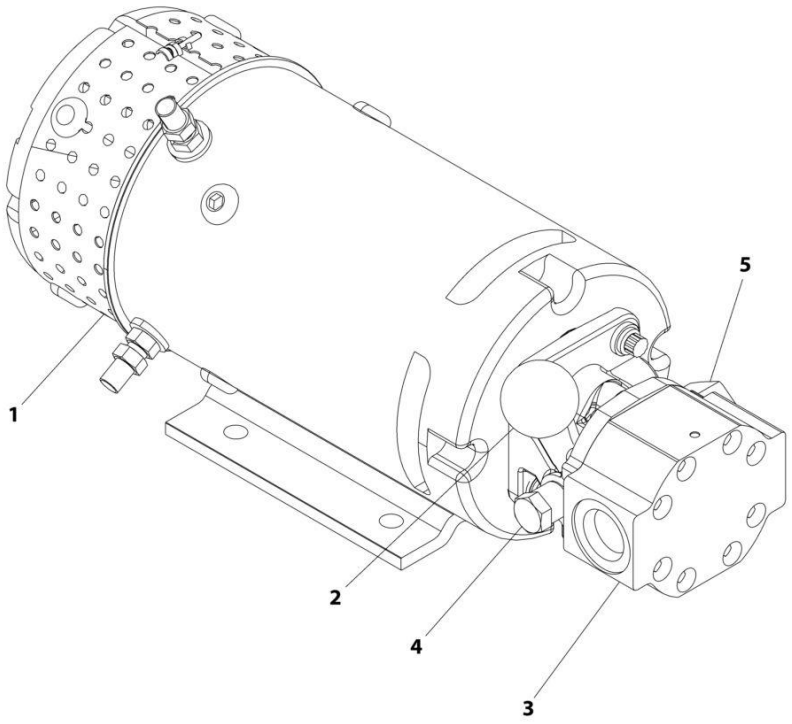


FIGURE 2-5. AUXILIARY PUMP ASSEMBLY (SN 0300209000 through 0300243453)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3600465	Ref	AUXILIARY PUMP ASSEMBLY **(SN 0300209000 through 0300243453)**	D
1	7010924	1	Motor	
1	7010639	2	Brush	
1	7010640	8	Spring, Brush	
1	7011044	1	Gasket, Adapter to Motor	
2	70000998	1	Coupling	
2	70000999	1	Key, Woodruff	
2	See Note	NSS	Adapter (Note: Not Available for Purchase)	
3	70001001	1	Pump Kit (Includes Pump, Adapter to Motor Gasket p/n 7011044 and Mounting Hardware)	
3	7011043	4	Screw	
3	7011048	4	Washer	
3	70001000	1	Seal Kit (Includes Adapter to Motor Gasket p/n 7011044, Pump to Adapter Gasket, Shaft Seal and O-Rings for Hex Caps on Adapter)	
4	See Note	NSS	Ball (Note: Not Available for Purchase)	
4	See Note	NSS	Spring (Note: Not Available for Purchase)	
4	See Note	NSS	Screw, Valve Adjustment (Note: Not Available for Purchase)	
5	See Note	NSS	Ball and Spring Assembly (Note: Not Available for Purchase)	
5	See Note	NSS	Plug (Note: Not Available for Purchase)	

FIGURE 2-6. AUXILIARY PUMP ASSEMBLY (SN 0300243454 through 0300272505)

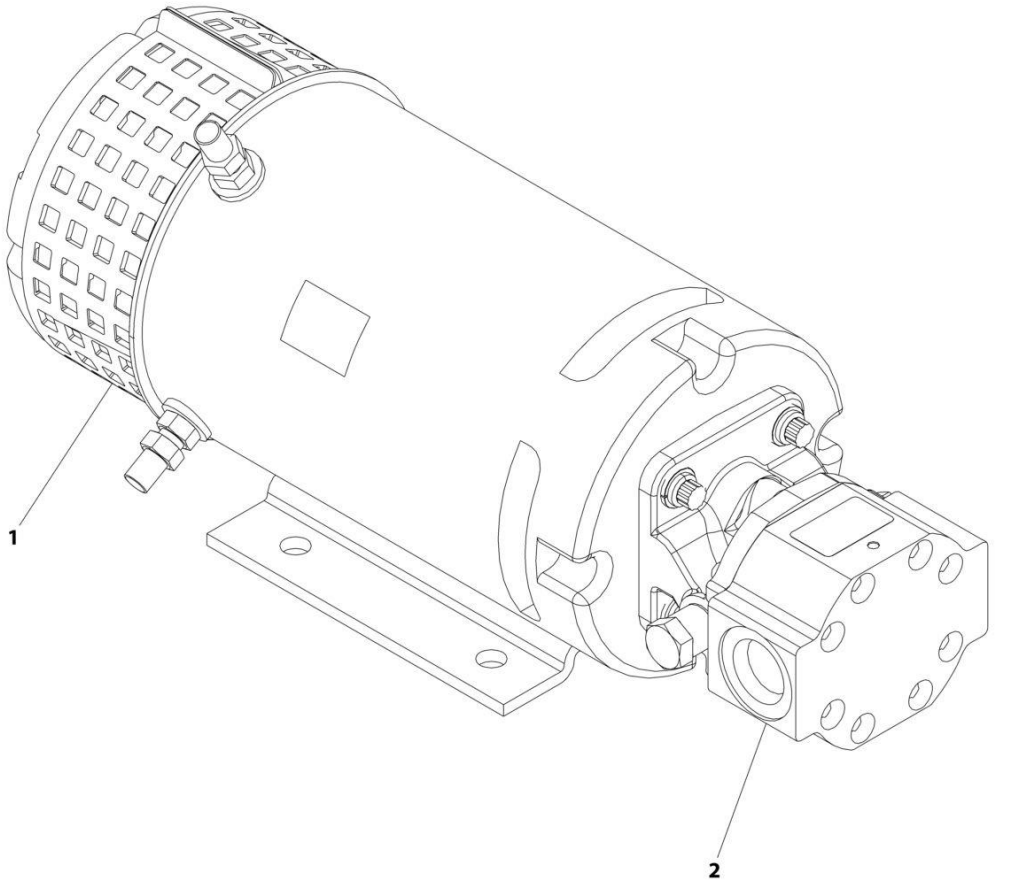


FIGURE 2-6. AUXILIARY PUMP ASSEMBLY (SN 0300243454 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224066	Ref	AUXILIARY PUMP ASSEMBLY	B
1	7010924	1	Motor	
1	7010639	2	Brush	
1	7010640	8	Spring, Brush	
1	7011044	1	Gasket, Adapter to Motor	
2	70001001	1	Pump Kit (Includes Pump, Adapter to Motor Gasket p/n 7011044 and Mounting Hardware)	
2	70001000	1	Seal Kit (Includes Adapter to Motor Gasket p/n 7011044, Pump to Adapter Gasket, Shaft Seal and O-Rings for Hex Caps on Adapter)	

FIGURE 2-7. SWING DRIVE INSTALLATION (SN 0300209000 through 0300254531)

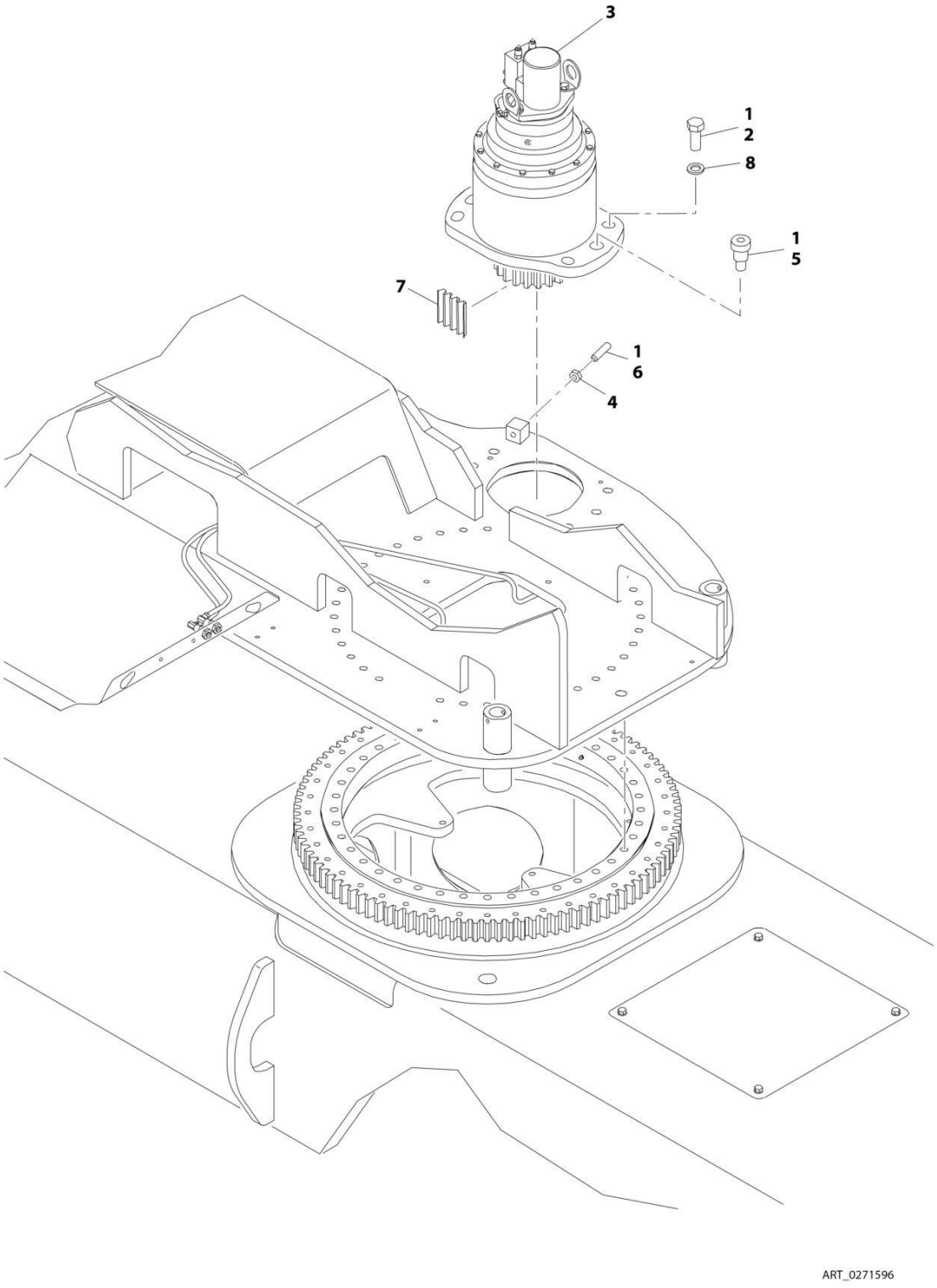


FIGURE 2-7. SWING DRIVE INSTALLATION (SN 0300209000 through 0300254531)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271596	Ref	SWING DRIVE INSTALLATION	E
1	0100019	AR	Compound, Locking	
2	0682418	5	Bolt 7/8 x 2-1/4 Grade 8	
3	1001134098	Ref	Swing Motor/Hub Assembly (See SWING MOTOR/HUB ASSEMBLY for Breakdown)	
4	3312002	1	Nut 5/8	
5	3900223	1	Screw, Shoulder	
6	3952020	1	Setscrew 5/8 x 2-1/2	
7	4071041	1	Shim	
8	4892400	5	Washer 7/8	

FIGURE 2-8. SWING DRIVE INSTALLATION (SN 0300254532 through 0300272505)

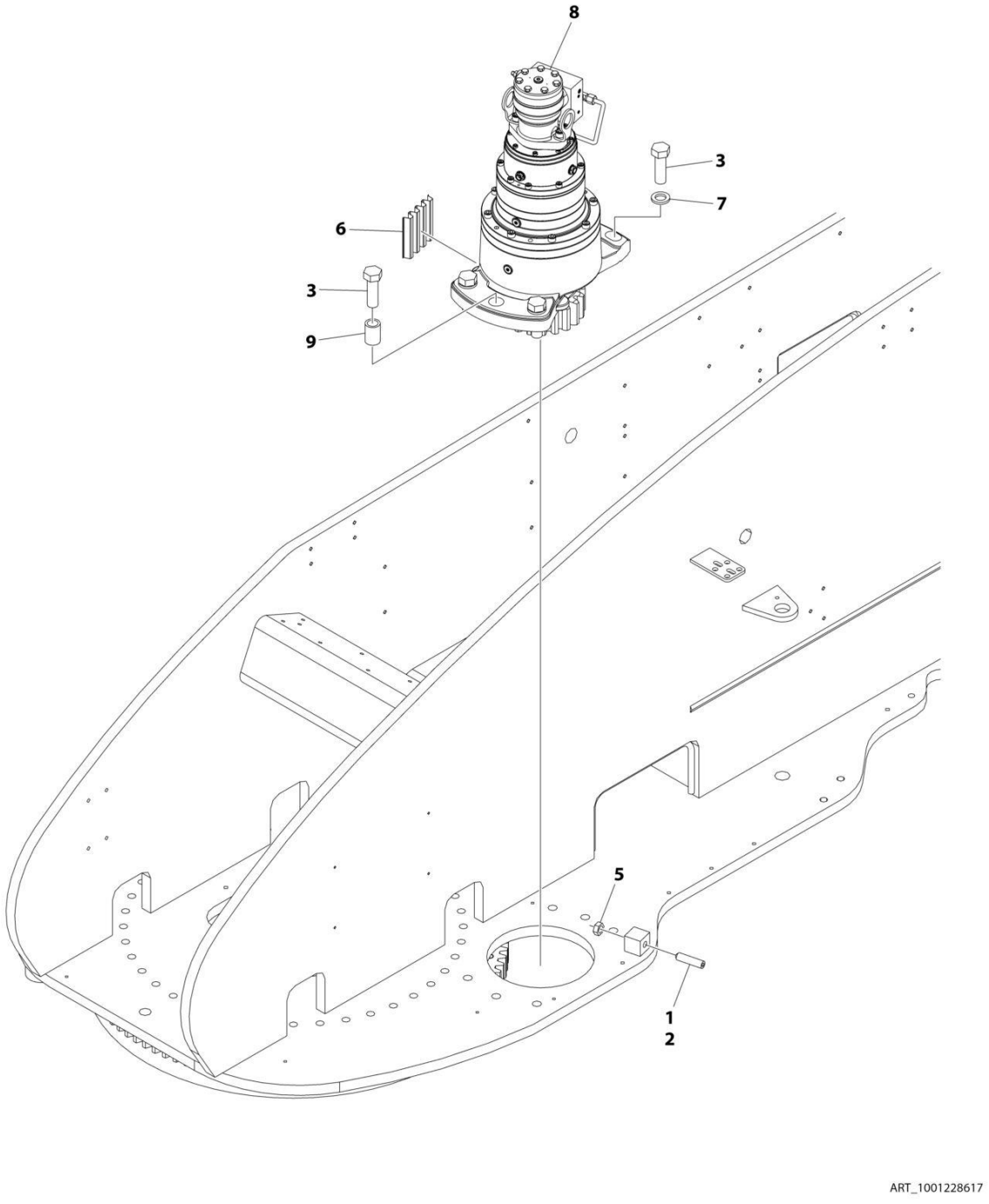


FIGURE 2-8. SWING DRIVE INSTALLATION (SN 0300254532 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228617	Ref	SWING DRIVE INSTALLATION	D
1	0100019	AR	Compound, Locking	
2	3952020	1	Setscrew 5/8 x 2-1/2	
3	0682422	6	Bolt 7/8 x 2-3/4 Grade 8	
5	3312002	1	Nut 5/8	
6	4071041	1	Shim	
7	4892400	5	Washer 7/8	
8	1001228488	1	Swing Motor/Hub Assembly (See Separate Breakdown in this Section)	
9	1001229058	1	Sleeve	

FIGURE 2-9. TURNTABLE BEARING AND LUBE INSTALLATION

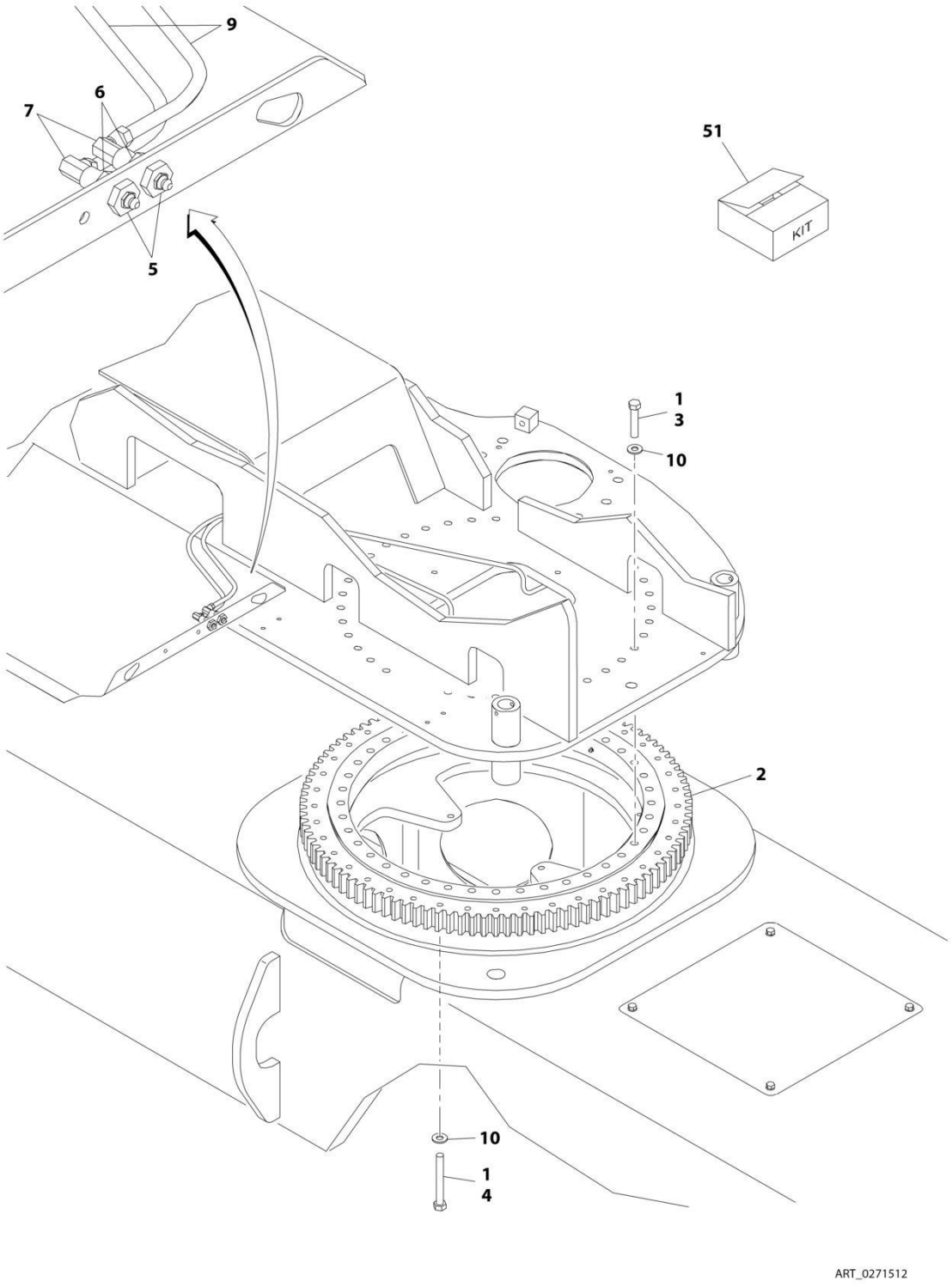


FIGURE 2-9. TURNTABLE BEARING AND LUBE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271512	Ref	TURNTABLE BEARING AND LUBE INSTALLATION	B
1	0100019	AR	Compound, Locking	
2	0440251	1	Bearing, Turntable	
3	0682026	40	Bolt 5/8 x 3-1/4 Grade 8	
4	0682040	40	Bolt 5/8 x 5 Grade 8	
5	2180002	2	Fitting, Grease	
6	2180344	2	Fitting, Bulkhead	
7	2220063	2	Fitting, Adapter	
9	2750528	2	Hose	
10	4892000	80	Washer 5/8	
51	2915072	1	Kit Bearing (Includes Items 2, 3, 4 & 10)	

FIGURE 2-10. TURNTABLE LOCK INSTALLATION

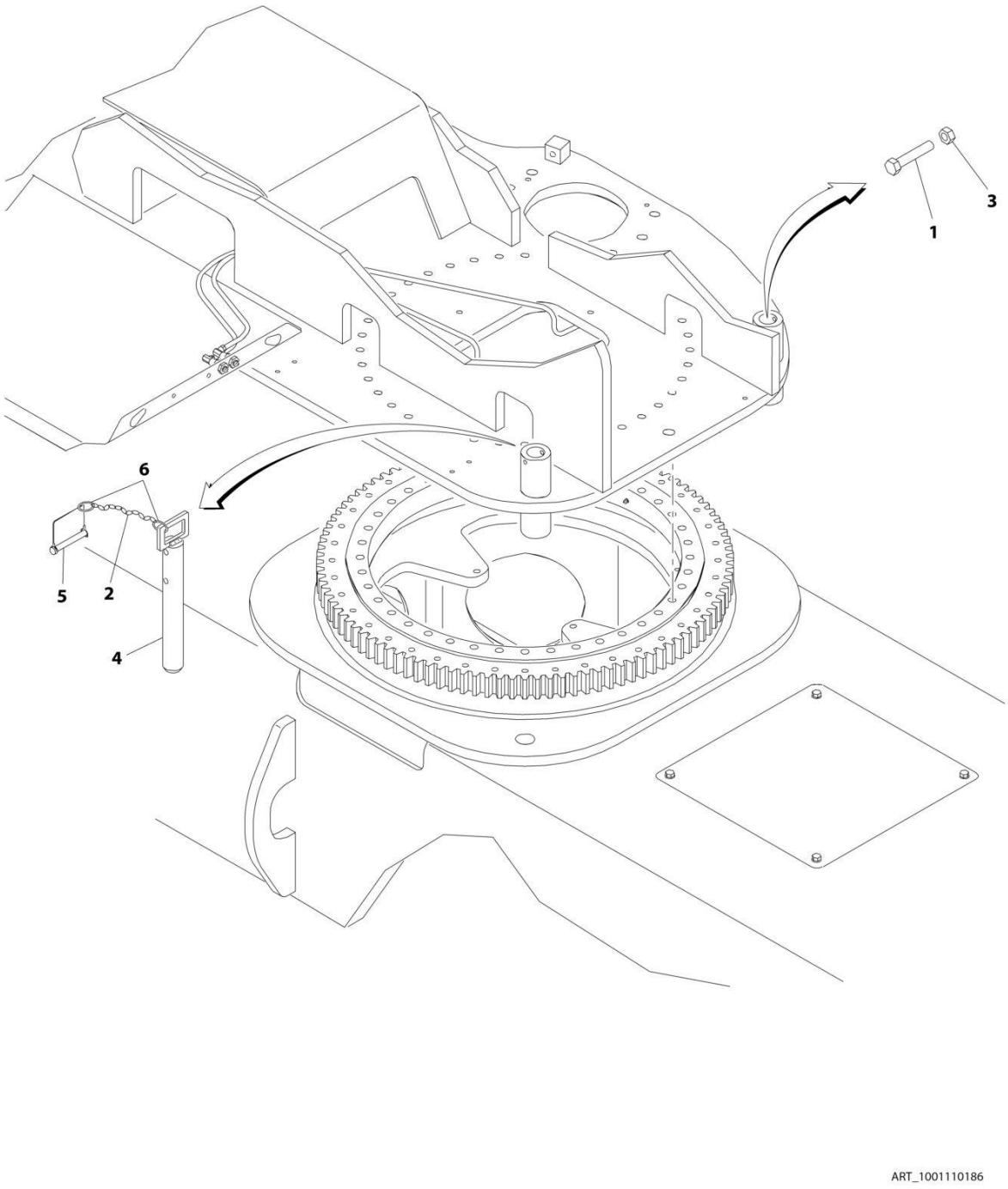
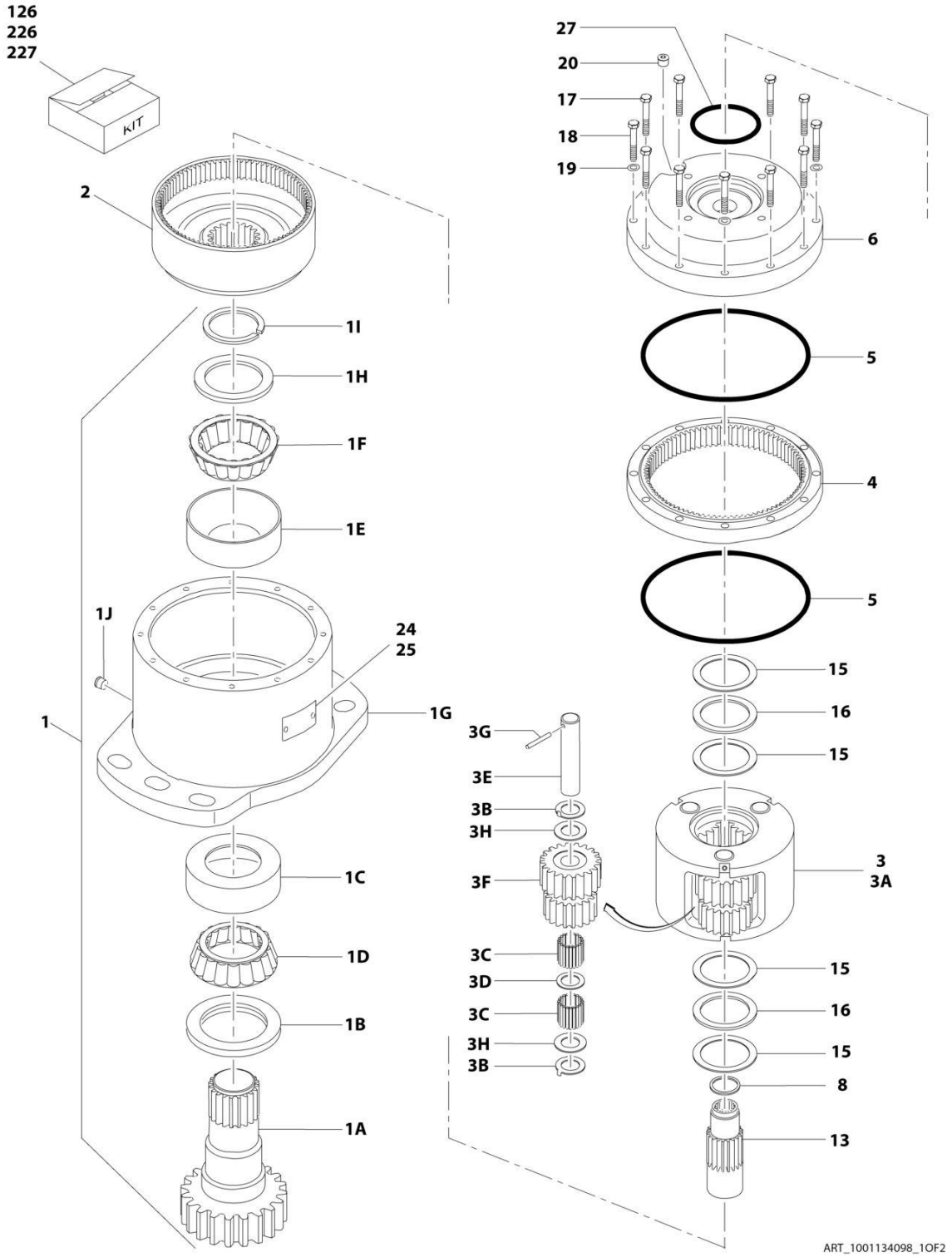


FIGURE 2-10. TURNTABLE LOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001110186	Ref	TURNTABLE LOCK INSTALLATION	C
1	0641524	1	Bolt 5/16 x 3	
2	1260017	9 in/23cm	Chain - #3	
3	3311505	1	Nut 5/16	
4	3421563	1	Pin, Turntable Lock	
5	3421565	1	Pin, Snap	
6	3760170	2	Ring, Quick Release	

FIGURE 2-11. SWING MOTOR/HUB ASSEMBLY (SN 0300209000 through 0300254531)



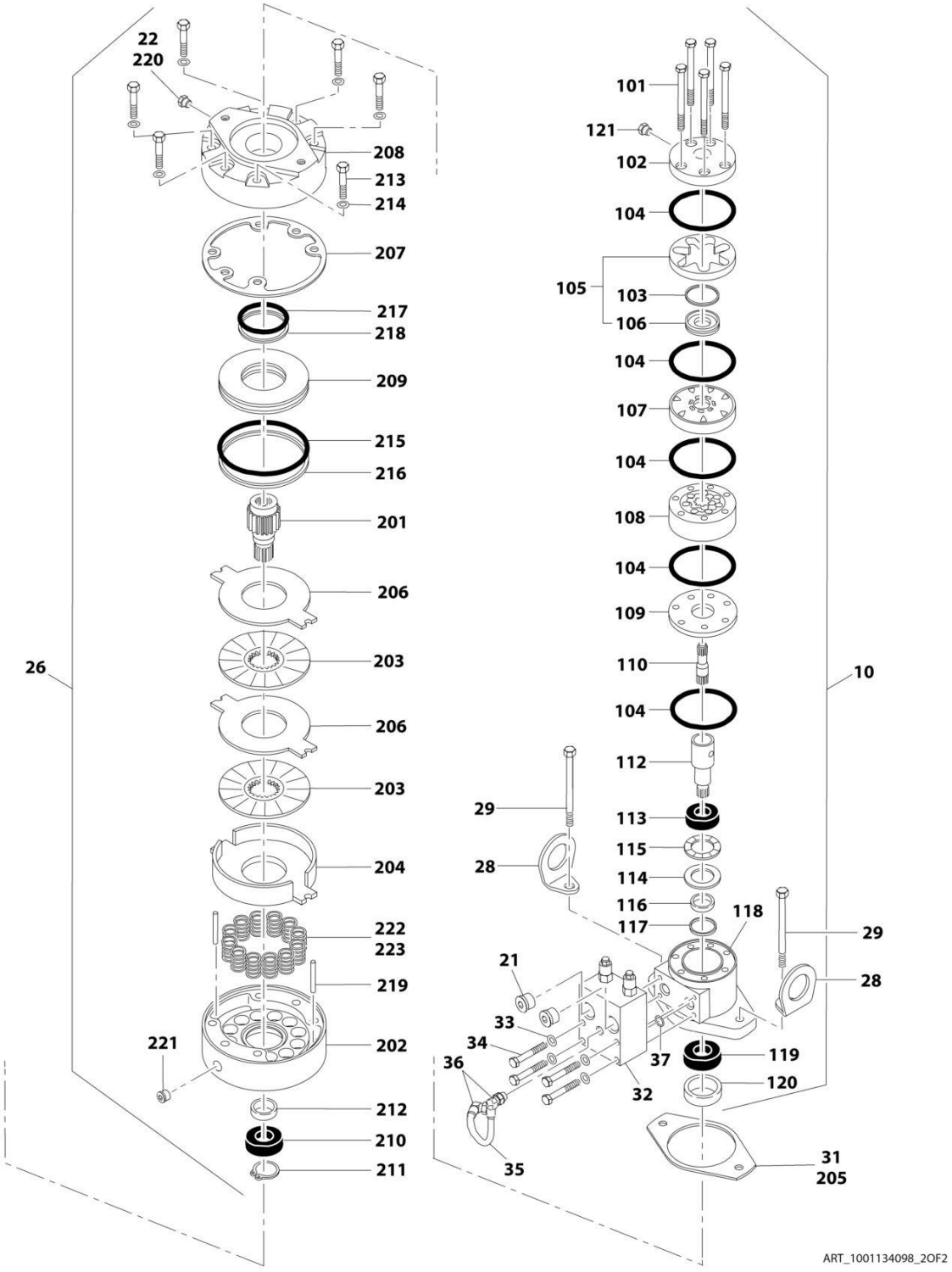

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FIGURE 2-11. SWING MOTOR/HUB ASSEMBLY (SN 0300209000 through 0300254531)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001134098	Ref	SWING MOTOR/HUB ASSEMBLY	D
1	See Note	1	Housing/Shaft Assembly (Note: Not Available for Purchase)	
1A	7024183	1	Shaft, Output	
1B	7000236	1	Seal, Lip	
1C	1001091460	1	Cup, Bearing	
1D	1001091460	1	Cone, Bearing	
1E	1001091461	1	Cup, Bearing	
1F	1001091461	1	Cone, Bearing	
1G	7024184	1	Housing	
1H	7000239	1	Thrustwasher	
1I	7000240	1	Ring, Retaining	
1J	7017072	1	Plug, Pipe	
2	7001917	1	Gear, Internal	
3	7001918	1	Carrier Assembly	
3A	7001900	1	Carrier	
3B	7007645	6	Washer, Tanged	
3C	7001902	84	Bearing, Needle	
3D	7007646	3	Thrustwasher	
3E	7001904	3	Shaft, Planet	
3F	7001927	3	Gear, Cluster	
3G	7001906	3	Rollpin	
3H	7007648	6	Washer	
4	7010467	1	Gear, Ring	
5	7000224	2	O-Ring	
6	7001920	1	Cover, Input	
8	7001922	1	Thrustwasher	
10	7024188	1	Motor Assembly (See Items 101-121 for Breakdown)	
13	7001921	1	Gear, Sun	
15	7000287	4	Thrustwasher	
16	7000288	2	Bearing, Thrust	
17	7001923	8	Bolt 3/8 x 3 Grade 8	
18	7001924	4	Bolt 3/8 x 2-3/4 Grade 8	
19	7001929	4	Washer (Used with Item 18 Only)	
20	7017094	1	Plug, Pipe	
21	7001926	2	Plug, Pipe	
22	7017082	1	Plug, Pipe	
24	See Note	1	Plate, ID (Note: Not Available for Purchase)	
25	7000281	2	Screw, Drive	
26	70003524	1	Brake Assembly (See Items 201-223 for Breakdown)	
27	7024763	1	O-Ring	
28	See Note	NSS	Lug, Lifting (Note: Not Available for Purchase)	
29	7024185	2	Bolt 1/2 x 5 Grade 8	
31	7000731	1	Gasket	
32	70003523	1	Valve	
32	70003629	2	Cartridge	
33	See Note	4	Washer (Note: Not Available - Purchase Locally)	
34	7024135	4	Bolt 5/16 x 2-1/2 Grade 8	
35	7024186	1	Tube	
36	7017085	2	Elbow	
37	7000213	2	O-Ring	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7024188	Ref	MOTOR ASSEMBLY	
101	7024391	5	Bolt	
102	7004035	1	Cover, End	
103	See Note	NSS	Seal, Commutator (Note: Use Item 126)	
104	See Note	NSS	Seal, Ring (Note: Use Item 126)	
105	7024453	1	Commutator and Ring Assembly	
106	7004453	1	Ring	
107	7024379	1	Manifold	
108	7024392	1	Rotor Set	
109	7024380	1	Plate, Wear	
110	7024393	1	Link, Drive	
112	7024395	1	Shaft, Coupling	
113	7024381	1	Bushing, Bronze	
114	7004043	1	Thrustwasher	
115	7004044	1	Bearing, Thrust	
116	See Note	NSS	Seal, Inner (Note: Use Item 126)	
117	See Note	NSS	Washer, Back-up (Note: Use Item 126)	
118	7024394	1	Housing	
119	7024390	1	Bearing	
120	See Note	NSS	Seal (Note: Use Item 126)	
121	7010795	1	Plug, O-Ring	
126	7024389	1	Seal Kit - 7024188 Motor (Includes Items 103, 104, 116, 117 & 120)	
	70003524	Ref	BRAKE ASSEMBLY	
201	7024189	1	Shaft	
202	See Note	1	Housing (Note: Not Available - Purchase Complete Assembly)	
203	See Note	NSS	Plate, Friction (Note: Use Item 227)	
204	See Note	NSS	Plate, Pressure (Note: Use Item 227)	
205	7000731	1	Gasket	
206	See Note	NSS	Plate, Outer (Note: Use Item 227)	
207	See Note	NSS	Gasket (Note: Use Item 226 or 227)	
208	7024191	1	Cylinder	
209	7024192	1	Piston	
210	See Note	NSS	Bearing, Ball (Note: Use Item 227)	
211	See Note	NSS	Ring, Retaining (Note: Use Item 227)	
212	See Note	NSS	Seal, Shaft (Note: Use Item 227)	
213	See Note	6	Capscrew (Note: Not Available - Purchase Locally)	
214	See Note	6	Washer (Note: Not Available - Purchase Locally)	
215	See Note	NSS	O-Ring (Note: Use Item 226)	
216	See Note	NSS	Ring, Back-up (Note: Use Item 226)	
217	See Note	NSS	O-Ring (Note: Use Item 226)	
218	See Note	NSS	Ring, Back-up (Note: Use Item 226)	
219	7024190	2	Pin, Dowel	
220	See Note	1	Plug (Note: Not Available - Purchase Locally)	
221	See Note	1	Plug (Note: Not Available - Purchase Locally)	
222	See Note	NSS	Spring (Natural) (Note: Use Item 227)	
223	See Note	NSS	Spring (Blue) (Note: Use Item 227)	
226	7024194	1	Seal Kit - Brake (Includes Items 205, 207 & 215-218)	
227	7024196	1	Spring Kit - Brake (Includes 12 Natural and 2 Blue Colored Springs)	
227	7024193	1	Friction Disc Kit - Brake (Includes Items 203, 204, 206 & 207)	
227	7024197	1	Bearing Kit - Brake (Includes Items 207 & 210-212)	

FIGURE 2-12. SWING MOTOR/HUB ASSEMBLY (SN 0300254532 through 0300272505)

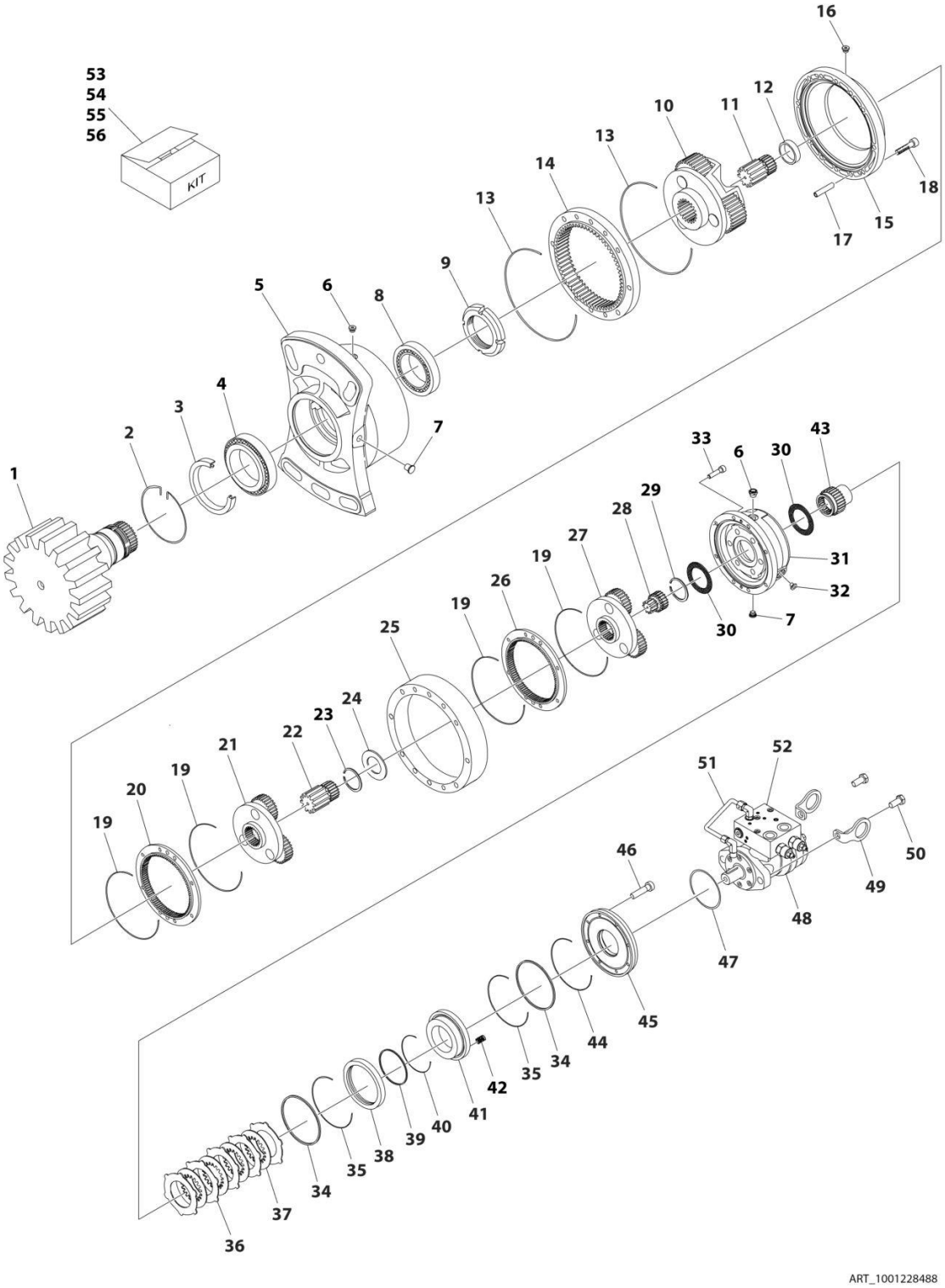


FIGURE 2-12. SWING MOTOR/HUB ASSEMBLY (SN 0300254532 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228488	Ref	SWING MOTOR/HUB ASSEMBLY	B
1	See Note	NSS	Shaft (Note: Use Item 56)	
2	70004467	1	Ring	
3	See Note	NSS	Seal, Oil (Note: Use Item 53)	
4	See Note	NSS	Bearing (Note: Use Item 55)	
5	See Note	NSS	Support, Output (Note: Not Available for Purchase)	
6	70002057	5	Plug with O-Ring	
7	70004469	2	Plug with O-Ring	
8	See Note	NSS	Bearing (Note: Use Item 55)	
9	See Note	NSS	Nut, Ring (Note: Use Item 56)	
10	70006986	1	Reduction, Gear - Complete	
11	70006987	1	Pinion	
12	70004477	1	Spacer	
13	See Note	NSS	O-Ring (Note: Use Item 53)	
14	70004474	1	Ring, Planetary	
15	70006988	1	Spacer	
16	70002057	2	Plug with O-Ring	
17	70006989	4	Pin, Spring	
18	70004480	8	Capscrew M10 x 55	
19	See Note	NSS	O-Ring (Note: Use Item 53)	
20	70006990	1	Ring, Planetary	
21	70006991	1	Reduction, Gear - Complete	
22	70006992	1	Pinion	
23	70002032	1	Ring	
24	70006993	1	Spacer	
25	70006994	1	Spacer	
26	70004481	1	Ring, Planetary	
27	70006995	1	Reduction, Gear - Complete	
28	70006996	1	Pinion	
29	70006997	1	Ring	
30	70006998	2	Washer	
31	See Note	NSS	Housing, Brake (Note: Not Available for Purchase)	
32	70006999	1	Plug	
33	70007000	8	Capscrew M8 x 90	
34	See Note	NSS	Seal (Note: Use Item 53 or 54)	
35	See Note	NSS	O-Ring (Note: Use Item 53 or 54)	
36	See Note	NSS	Disc, Steel (Note: Use Item 54)	
37	See Note	NSS	Disc (Note: Use Item 54)	
38	70005317	1	Spacer	
39	See Note	NSS	Seal (Note: Use Item 53 or 54)	
40	See Note	NSS	O-Ring (Note: Use Item 53 or 54)	
41	70005318	1	Piston, Brake	
42	See Note	NSS	Spring, Brake (Note: Use Item 54)	
43	70007001	1	Shaft, Input	
44	See Note	NSS	O-Ring (Note: Use Item 53 or 54)	
45	70007002	1	Cover	
46	70007003	8	Screw M6 x 25	
47	See Note	NSS	O-Ring (Note: Use Item 53)	
48	70007009	1	Motor	
48	70007011	1	Seal Kit	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	See Note	NSS	Lug, Lifting (Note: Not Available for Purchase)	
50	70004494	2	Capscrew M12 x 35	
51	70007004	1	Brake, Valve Adapter	
52	70007010	1	Valve	
52	70007012	1	Seal Kit	
52	70007013	1	Hardware Kit	
53	70007005	1	Seal Kit – Brake and Hub (Includes Items 3, 13, 19, 34, 35, 39, 40, 44 & 47)	
54	70007006	1	Seal Kit – Brake (Includes Items 34-37, 39, 40, 42 & 44)	
55	70007007	1	Bearing Kit (Includes Items 4 & 8)	
56	70007008	1	Output Shaft Kit (Includes Items 1 & 9)	

FIGURE 2-13. ROTARY COUPLING AND COLLECTOR RING INSTALLATION

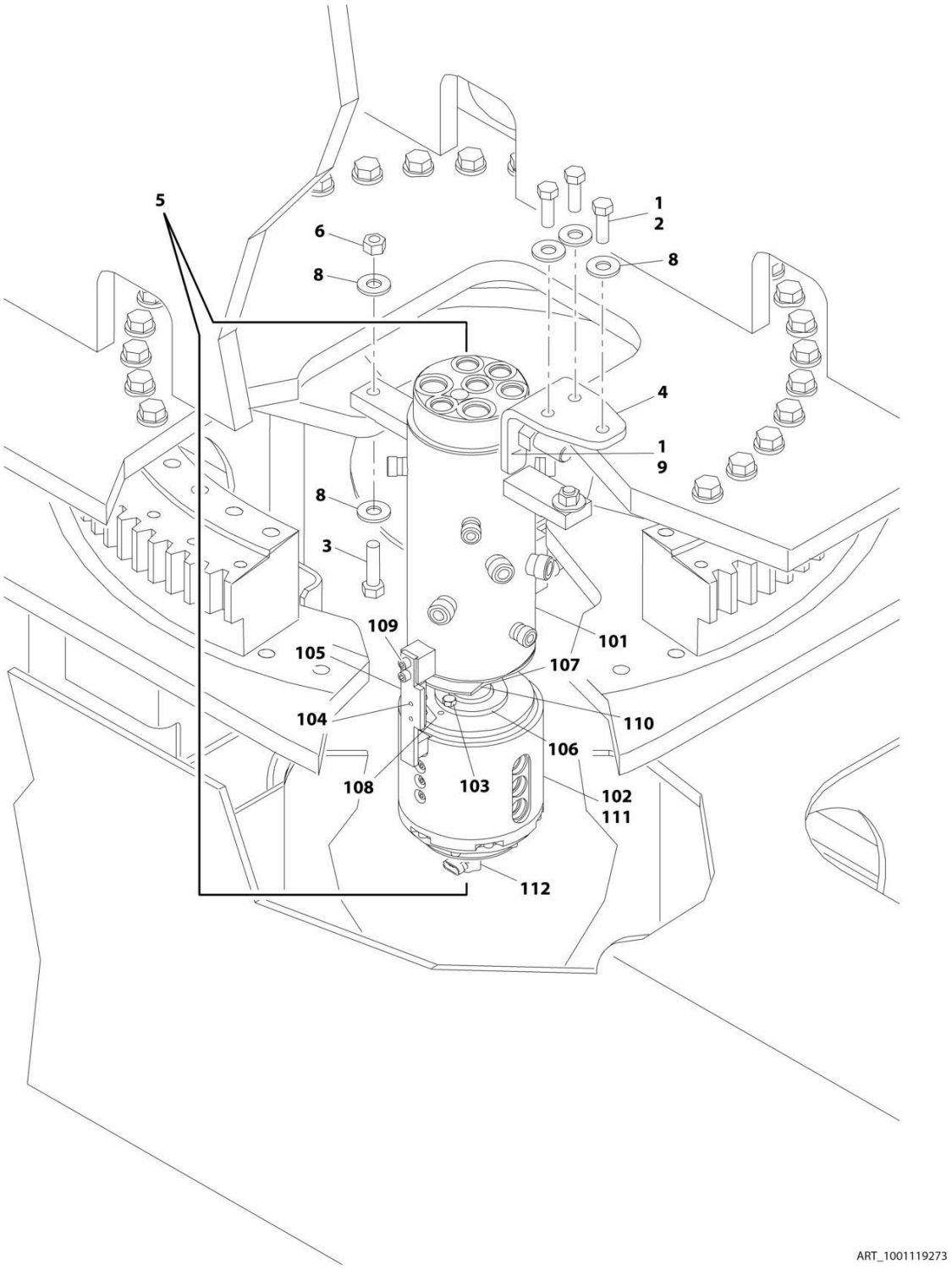


FIGURE 2-13. ROTARY COUPLING AND COLLECTOR RING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119273	Ref	ROTARY COUPLING AND COLLECTOR RING INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641812	3	Bolt 1/2 x 1-1/2	
3	0641820	2	Bolt 1/2 x 2-1/2	
4	0902790	1	Bracket, Swivel **(SN 0300209000 through 0300227066)**	
4	0902915	1	Bracket, Swivel **(SN 0300227067 through 0300272505)**	
5	1001119040	1	Rotary Coupling and Collector Ring Assembly (See Items 101-112 for Breakdown)	
6	3311805	2	Nut 1/2	
8	4751800	7	Washer 1/2	
9	3322201	2	Nut 3/4	
	1001119040	Ref	ROTARY COUPLING AND COLLECTOR RING ASSEMBLY	C
101	70001102	1	Coupling, Rotary	
101	See Note	NSS	Bearing (Note: Not Available for Purchase)	
101	70001101	1	Seal Kit - Coupling	
102	70003485	1	Contactor, Rotary Circuit (Does not include connector or pins)	
103	0641506	4	Bolt 5/16 x 3/4	
104	3931512	2	Capscrew 5/16 x 3/4	
105	70003484	1	Arm, Torque	
106	80334251	1	Adapter	
107	7026030	1	Plate, Cam	
108	7026031	1	Sensor, Proximity	
109	3931008	2	Capscrew #10 x 1/2	
110	7026032	1	Pin, Dowel	
111	0100048	AR	Grease, Silicone (Apply to Contactor Connector)	
112	1001133759	1	Sensor, Angle	

FIGURE 2-14. TANK INSTALLATION - WITH 31 GAL/117.31 L FUEL TANK

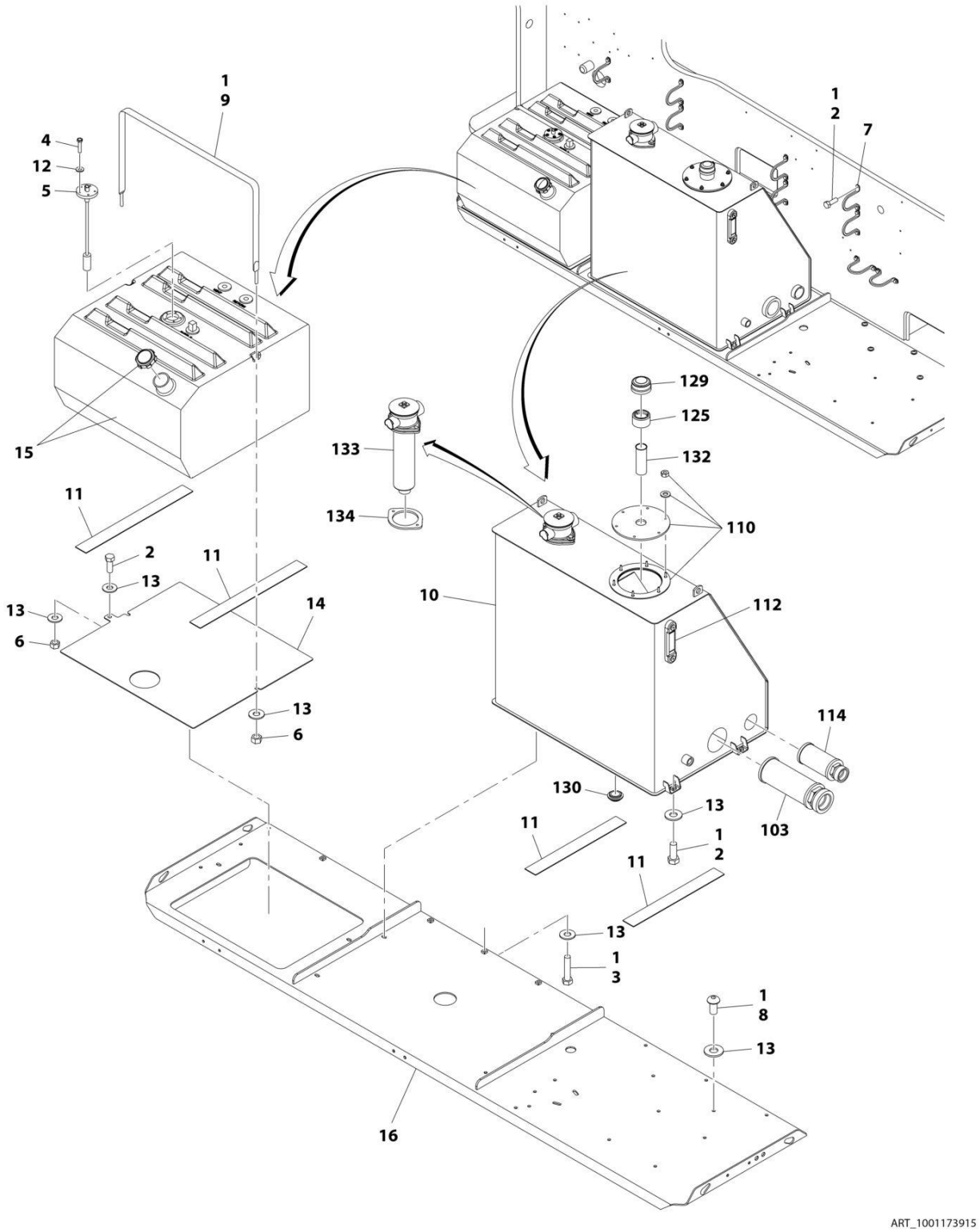


FIGURE 2-14. TANK INSTALLATION - WITH 31 GAL/117.31 L FUEL TANK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173915	Ref	TANK INSTALLATION - WITH 31 GAL/117.31 L FUEL TANK	C
1	0100011	AR	Compound, Locking	
2	0641608	23	Bolt 3/8 x 1	
3	0641614	10	Bolt 3/8 x 1-3/4	
4	0731007	5	Screw #10 x 7/8	
5	2420191	1	Gauge, Fuel	
5	3960525	1	Gasket	
6	3311601	3	Nut 3/8	
7	3841340	9	Loop, Hose	
8	3900283	6	Screw 3/8 x 3/4	
9	4240139	1	Strap, Tank	
10	4400457	1	Tank, Hydraulic Oil (See Items 103-134 for Breakdown)	
11	4420038	75 in/1.9m	Tape	
12	4751000	5	Washer #10	
13	4751600	24	Washer 3/8	
14	1001117359	1	Plate	
15	1001160567	1	Tank, Fuel	
15	70004414	1	Cap, Fuel	
15	7020043	1	Tube, Pickup	
16	1001173171	1	Tray	
	4400457	Ref	HYDRAULIC OIL TANK ASSEMBLY	E
103	7026571	1	Strainer, Suction	
110	7024439	1	Cover	
110	7023306	1	Seal, Cover Plate	
110	7024440	1	Gasket	
112	7024441	1	Gauge, Sight	
114	7024442	1	Strainer	
125	7024445	1	Strainer (Filler Neck)	
129	7024444	1	Breather Filter/Fill Cap	
130	7024446	1	Plug, Magnetic	
132	7024443	1	Neck, Filler	
133	7024374	1	Filter, Hydraulic Oil	
133	7024375	1	Element, Filter	
134	7023347	1	Gasket, Filter Mounting Flange	

FIGURE 2-15. TANK INSTALLATION - WITH 58.2 GAL/200 L FUEL TANK

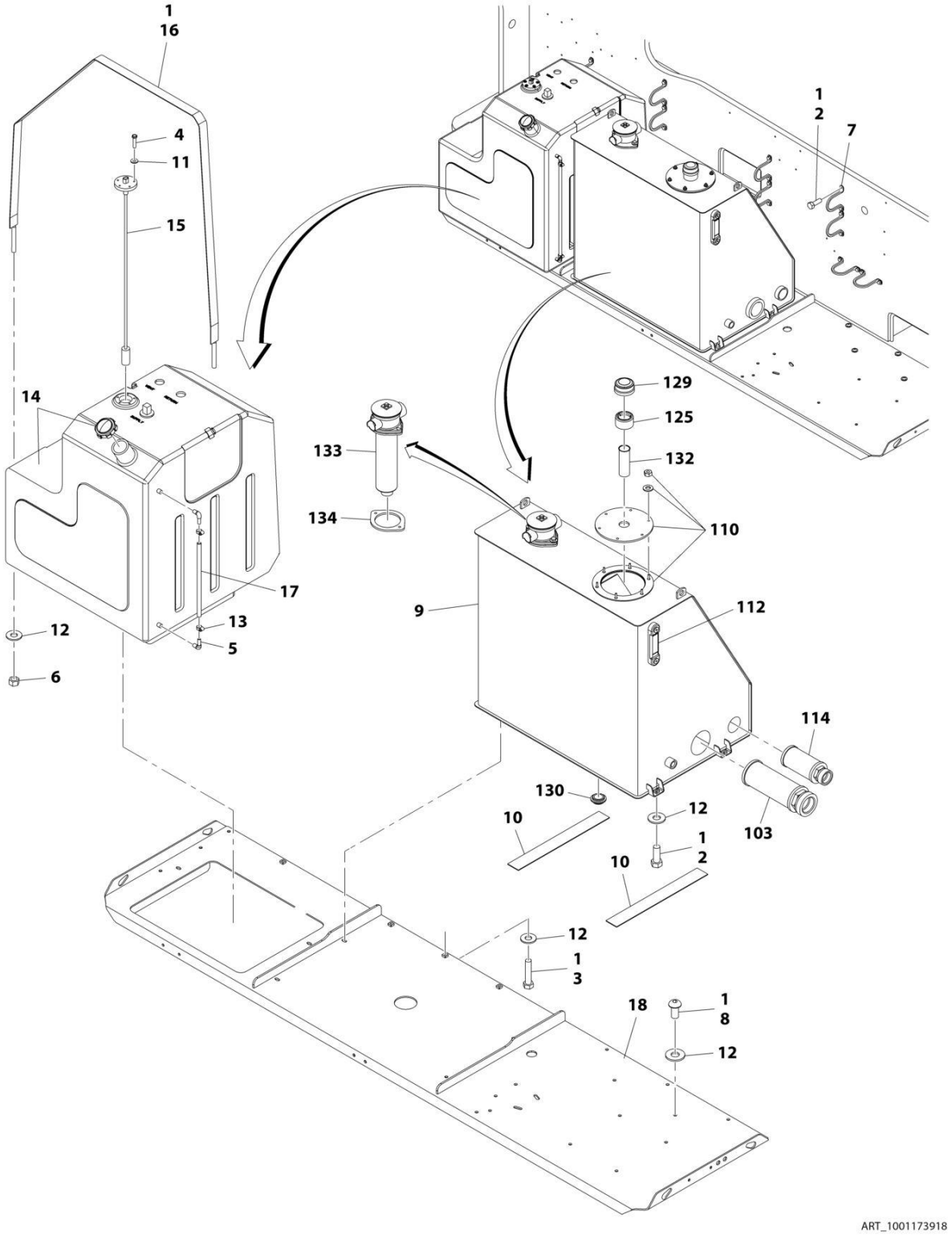


FIGURE 2-15. TANK INSTALLATION - WITH 58.2 GAL/200 L FUEL TANK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173918	Ref	TANK INSTALLATION - WITH 58.2 GAL/200 L FUEL TANK	C
1	0100011	AR	Compound, Locking	
2	0641608	22	Bolt 3/8 x 1	
3	0641614	10	Bolt 3/8 x 1-3/4	
4	0731007	5	Screw #10 x 7/8	
5	2180467	2	Fitting, 90 Barbed	
6	3311601	2	Nut 3/8	
7	3841340	9	Loop, Hose	
8	3900283	6	Screw 3/8 x 3/4	
9	4400457	1	Tank, Hydraulic Oil (See Items 103-134 for Breakdown)	
10	4420038	34 in/.9m	Tape	
11	4751000	5	Washer #10	
12	4751600	22	Washer 3/8	
13	8405009	2	Clamp	
14	1001108579	1	Tank, Fuel	
14	7016314	1	Cap, Fuel	
14	70004413	1	Tube, Pickup	
15	1001109048	1	Gauge, Fuel	
16	1001110059	1	Strap, Tank	
17	1001113103	19.5 in /.5m	Tube, Sight	
18	1001173171	1	Tray	
	4400457	Ref	HYDRAULIC OIL TANK ASSEMBLY	E
103	7026571	1	Strainer, Suction	
110	7024439	1	Cover	
110	7023306	1	Seal, Cover Plate	
110	7024440	1	Gasket	
112	7024441	1	Gauge, Sight	
114	7024442	1	Strainer	
125	7024445	1	Strainer (Filler Neck)	
129	7024444	1	Breather Filter/Fill Cap	
130	7024446	1	Plug, Magnetic	
132	7024443	1	Neck, Filler	
133	7024374	1	Filter, Hydraulic Oil	
133	7024375	1	Element, Filter	
134	7023347	1	Gasket, Filter Mounting Flange	

FIGURE 2-16. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMPS (OPTIONAL)

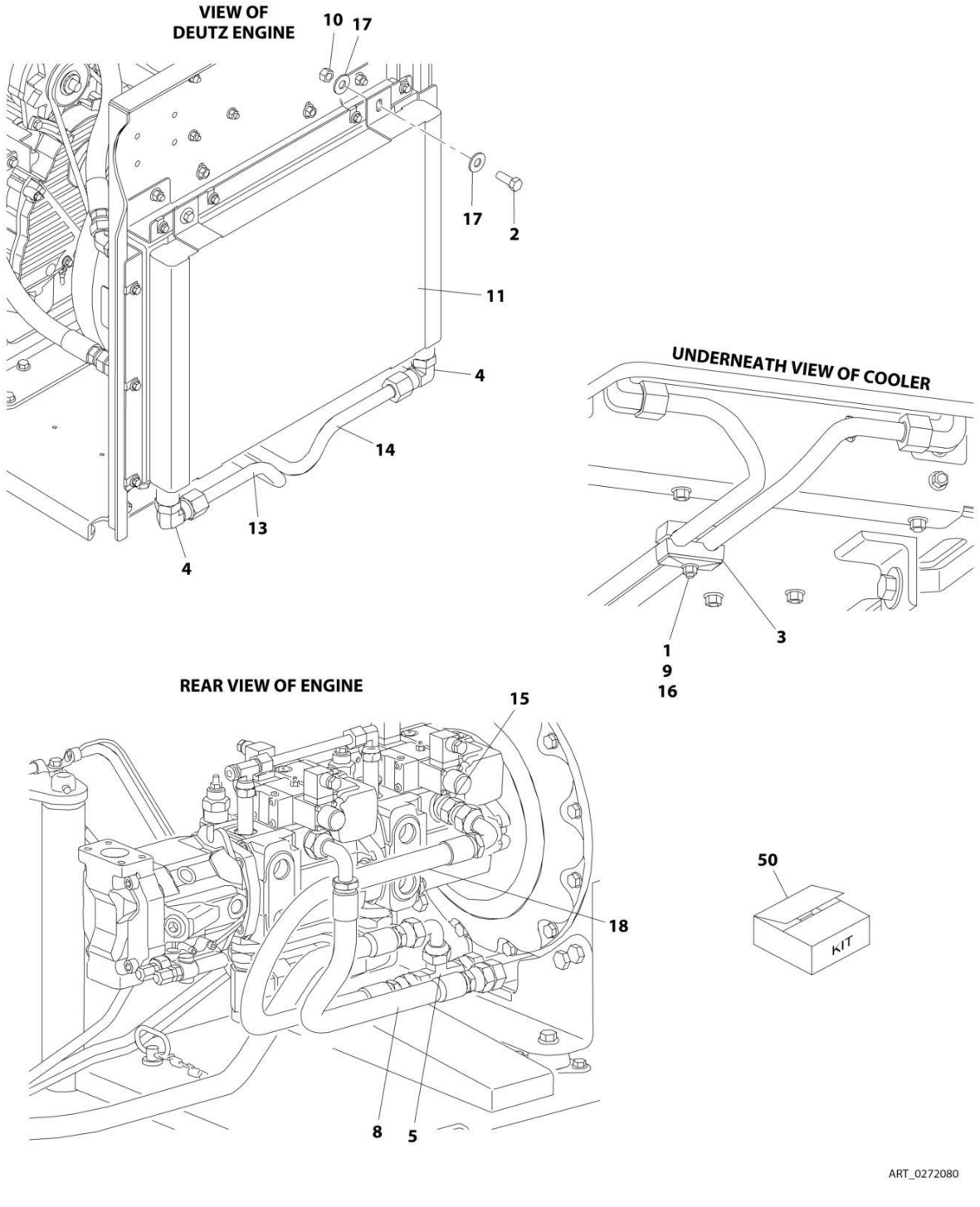


FIGURE 2-16. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMPS (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272080	Ref	HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMPS (OPTIONAL)	B
1	0641520	2	Bolt 5/16 x 2-1/2	
2	0641608	4	Bolt 3/8 x 1	
3	1320162	2	Clamp, Hose	
4	2131212	2	Fitting, 90 ORFS/ORB	
5	2170712	1	Fitting, Tee ORFS/FSORFS/ORFS	
8	2753778	1	Hose	
9	3311505	2	Nut 5/16	
10	3311605	4	Nut 3/8	
11	3620034	1	Cooler, Hydraulic Oil	
13	4568426	1	Tube	
14	4568427	1	Tube	
15	4641247	1	Valve, Check	
16	4711500	4	Washer 5/16	
17	4751600	8	Washer 3/8	
18	2753843	1	Hose	
50	1001120564	1	Oil Cooler Add-on Kit (Includes Items 1-18)	

FIGURE 2-17. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMPS (OPTIONAL)

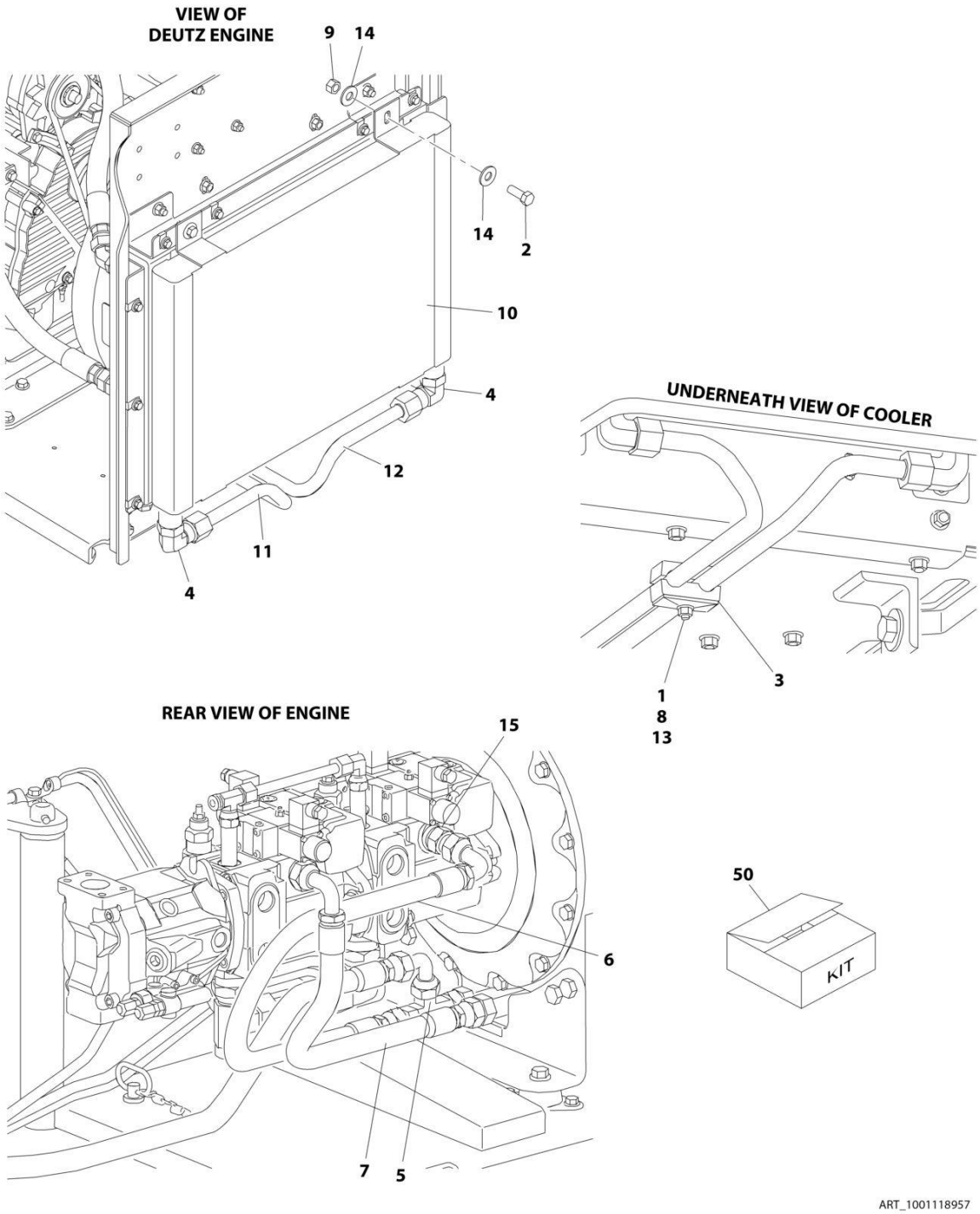


FIGURE 2-17. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMPS (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118957	Ref	HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMPS (OPTIONAL)	B
1	0641520	2	Bolt 5/16 x 2-1/2	
2	0641608	4	Bolt 3/8 x 1	
3	1320162	2	Clamp, Hose	
4	2131212	2	Fitting, 90 ORFS/ORB	
5	2170712	1	Fitting, Tee ORFS/FSORFS/ORFS	
6	2753778	1	Hose	
7	2753999	1	Hose	
8	3311505	2	Nut 5/16	
9	3311605	4	Nut 3/8	
10	3620034	1	Cooler, Hydraulic Oil	
11	4568426	1	Tube	
12	4568427	1	Tube	
13	4711500	4	Washer 5/16	
14	4751600	8	Washer 3/8	
15	1001109677	1	Valve, Check	
50	1001120564	1	Oil Cooler Add-on Kit (Includes Items 1-15)	

FIGURE 2-18. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH REXROTH PUMPS (OPTIONAL)

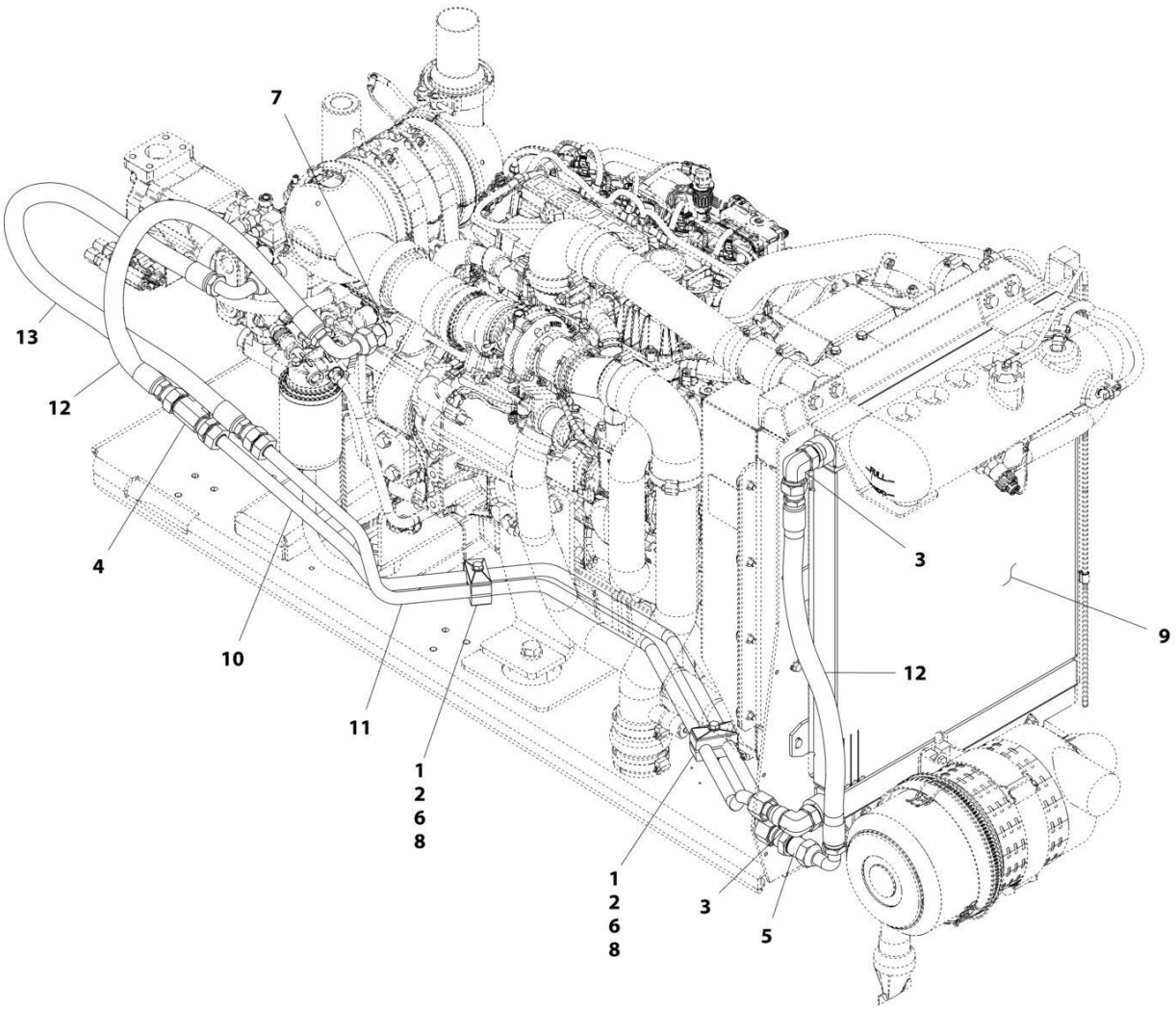


FIGURE 2-18. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH REXROTH PUMPS (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139494	Ref	HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH REXROTH PUMPS (OPTIONAL)	E
1	0641520	2	Bolt 5/16 x 2-1/2	
2	1320162	2	Clamp, Hose	
3	2131212	2	Fitting, 90 ORFS/ORB	
4	2170712	1	Fitting, Tee ORFS/FSORFS/ORFS	
5	2171112	1	Fitting, Straight ORFS/ORFS	
6	3311505	2	Nut 5/16	
7	4641247	1	Valve	
8	4711500	4	Washer 5/16	
9	1001135124	1	Cooler, Hydraulic Oil	
10	1001154214	1	Tube **(SN 0300209000 through 0300237552)**	
10	1001139665	1	Tube **(SN 0300237553 through 0300272505)**	
11	1001139666	1	Tube	
12	1001143087	2	Hose	
13	1001143123	1	Hose	

FIGURE 2-19. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES WITH REXROTH PUMPS (OPTIONAL) (CHINA SPEC ONLY)

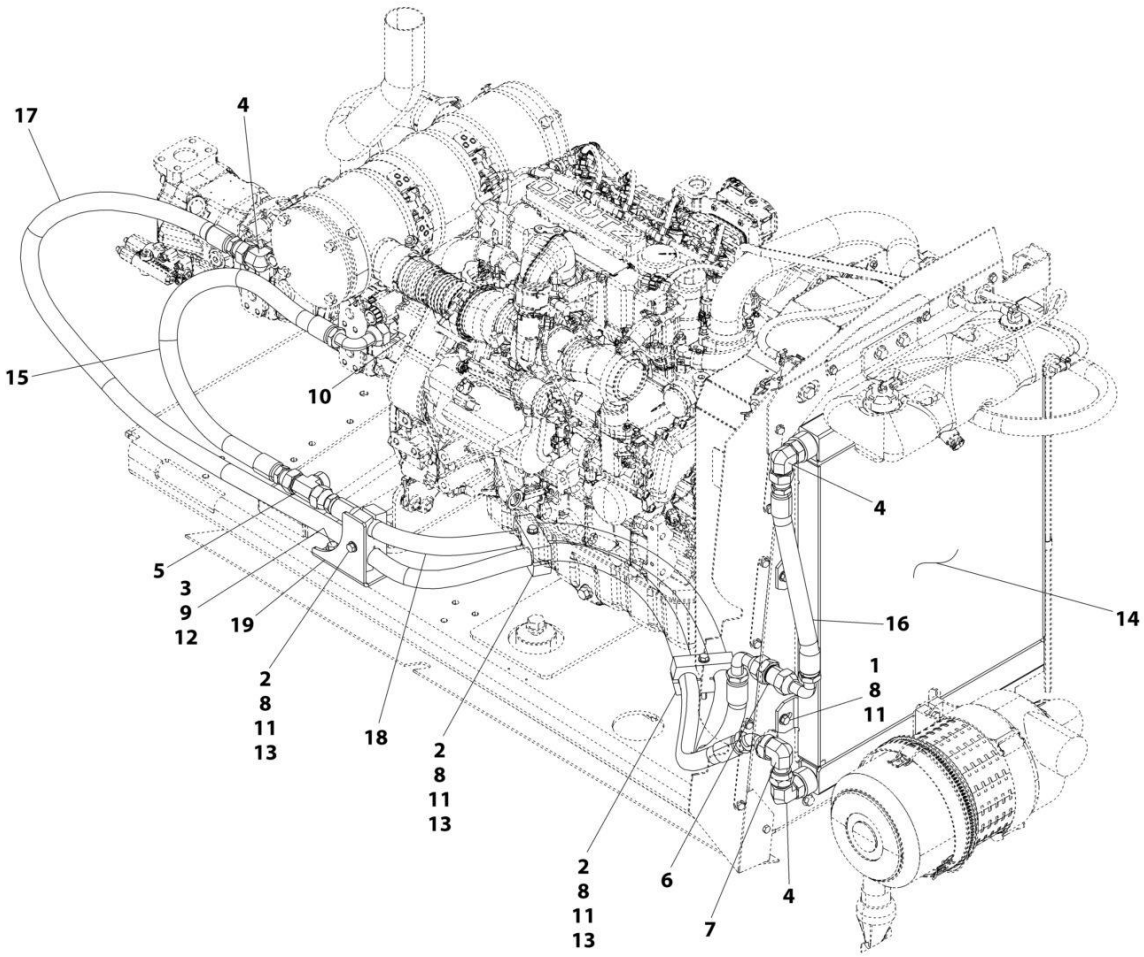


FIGURE 2-19. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES WITH REXROTH PUMPS (OPTIONAL) (CHINA SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221802	Ref	HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES WITH REXROTH PUMPS (OPTIONAL) (CHINA SPEC ONLY)	A
1	0641508	4	Bolt 5/16 x 1	
2	0641524	3	Bolt 5/16 x 3	
3	0641609	2	Bolt 3/8 x 1-1/8	
4	2131212	3	Fitting, 90 ORFS/ORB	
5	2170512	1	Fitting, Tee ORFS/ORFS/ORFS	
6	2171112	1	Fitting, Straight ORFS/ORFS	
7	2172112	1	Fitting, 90 ORFS/FSORFS	
8	3311505	7	Nut 5/16	
9	3311605	2	Nut 3/8	
10	4641247	1	Valve	
11	4711500	14	Washer 5/16	
12	4711600	4	Washer 3/8	
13	8750024	3	Clamp	
14	1001135124	1	Cooler, Hydraulic Oil	
15	1001143087	1	Hose	
16	1001181129	1	Hose	
17	1001188376	1	Hose	
18	1001188382	1	Hose	
19	1001220560	1	Bracket	

FIGURE 2-20. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH SAUER PUMPS (OPTIONAL)

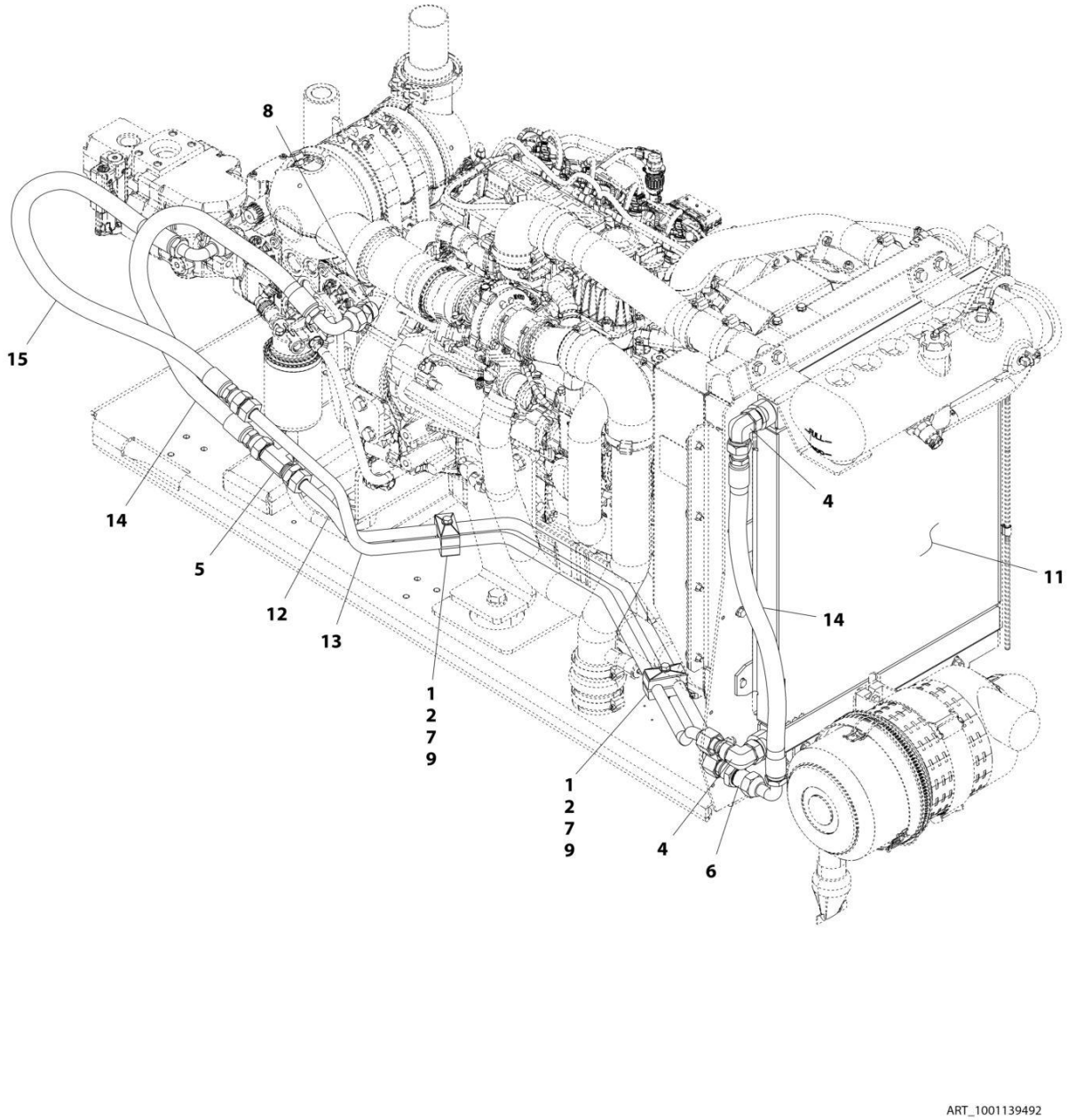


FIGURE 2-20. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH SAUER PUMPS (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139492	Ref	HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH SAUER PUMPS (OPTIONAL)	E
1	0641520	2	Bolt 5/16 x 2-1/2	
2	1320162	2	Clamp, Hose	
4	2131212	2	Fitting, 90 ORFS/ORB	
5	2170712	1	Fitting, Tee ORFS/FSORFS/ORFS	
6	2171112	1	Fitting, Straight ORFS/ORFS	
7	3311505	2	Nut 5/16	
8	1001109677	1	Valve	
9	4711500	4	Washer 5/16	
11	1001135124	1	Cooler, Hydraulic Oil	
12	1001139665	1	Tube	
13	1001139666	1	Tube	
14	1001143087	2	Hose	
15	1001143123	1	Hose	

FIGURE 2-21. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES WITH SAUER PUMPS (OPTIONAL) (CHINA SPEC ONLY)

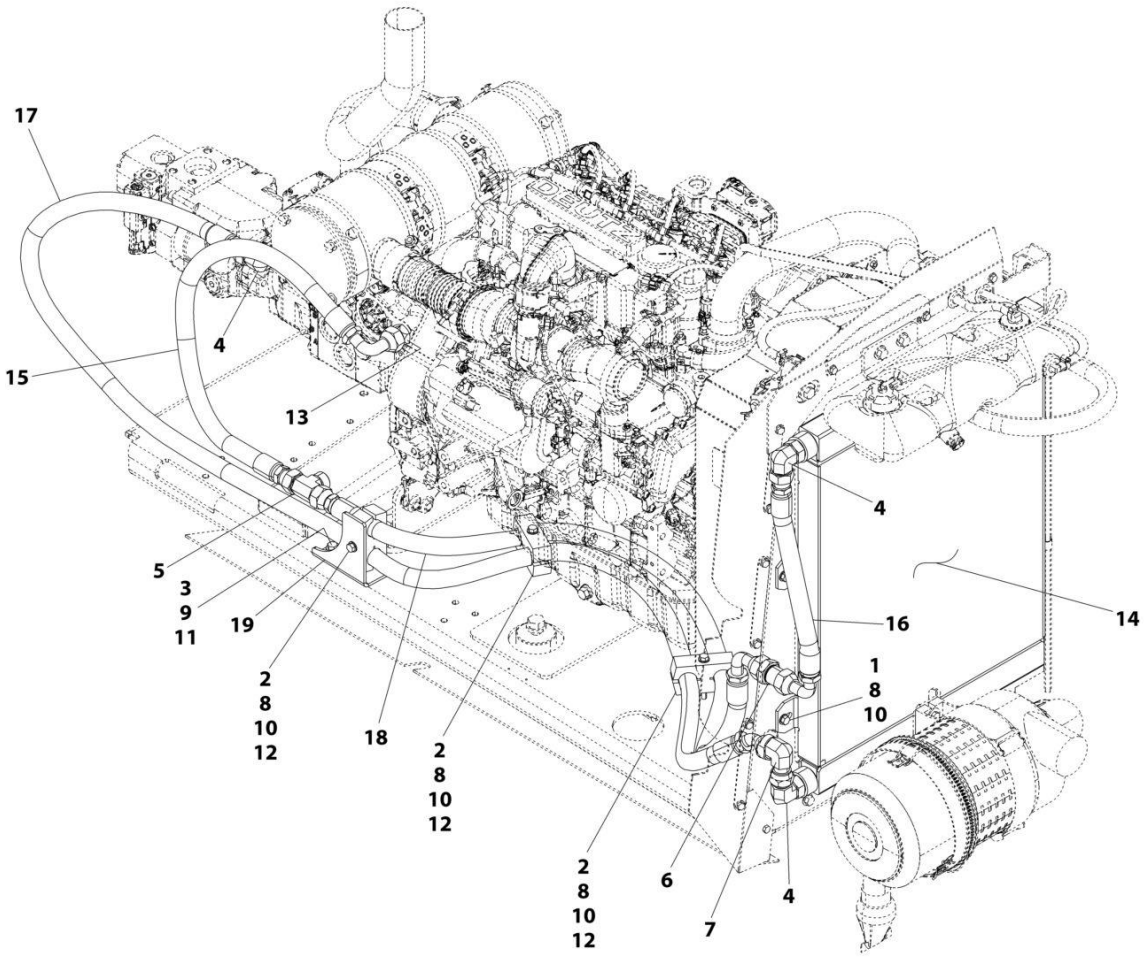


FIGURE 2-21. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES WITH SAUER PUMPS (OPTIONAL) (CHINA SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221666	Ref	HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES WITH SAUER PUMPS (OPTIONAL) (CHINA SPEC ONLY)	A
1	0641508	4	Bolt 5/16 x 1	
2	0641524	3	Bolt 5/16 x 3	
3	0641609	2	Bolt 3/8 x 1-1/8	
4	2131212	3	Fitting, 90 ORFS/ORB	
5	2170512	1	Fitting, Tee ORFS/ORFS/ORFS	
6	2171112	1	Fitting, Straight ORFS/ORFS	
7	2172112	1	Fitting, 90 ORFS/FSORFS	
8	3311505	7	Nut 5/16	
9	3311605	2	Nut 3/8	
10	4711500	14	Washer 5/16	
11	4711600	4	Washer 3/8	
12	8750024	3	Clamp	
13	1001109677	1	Valve	
14	1001135124	1	Cooler, Hydraulic Oil	
15	1001143087	1	Hose	
16	1001181129	1	Hose	
17	1001188376	1	Hose	
18	1001188382	1	Hose	
19	1001220560	1	Bracket	

FIGURE 2-22. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH REXROTH PUMPS (ANSI EXPORT (LRC), AUSTRALIAN AND CHINA SPECS)

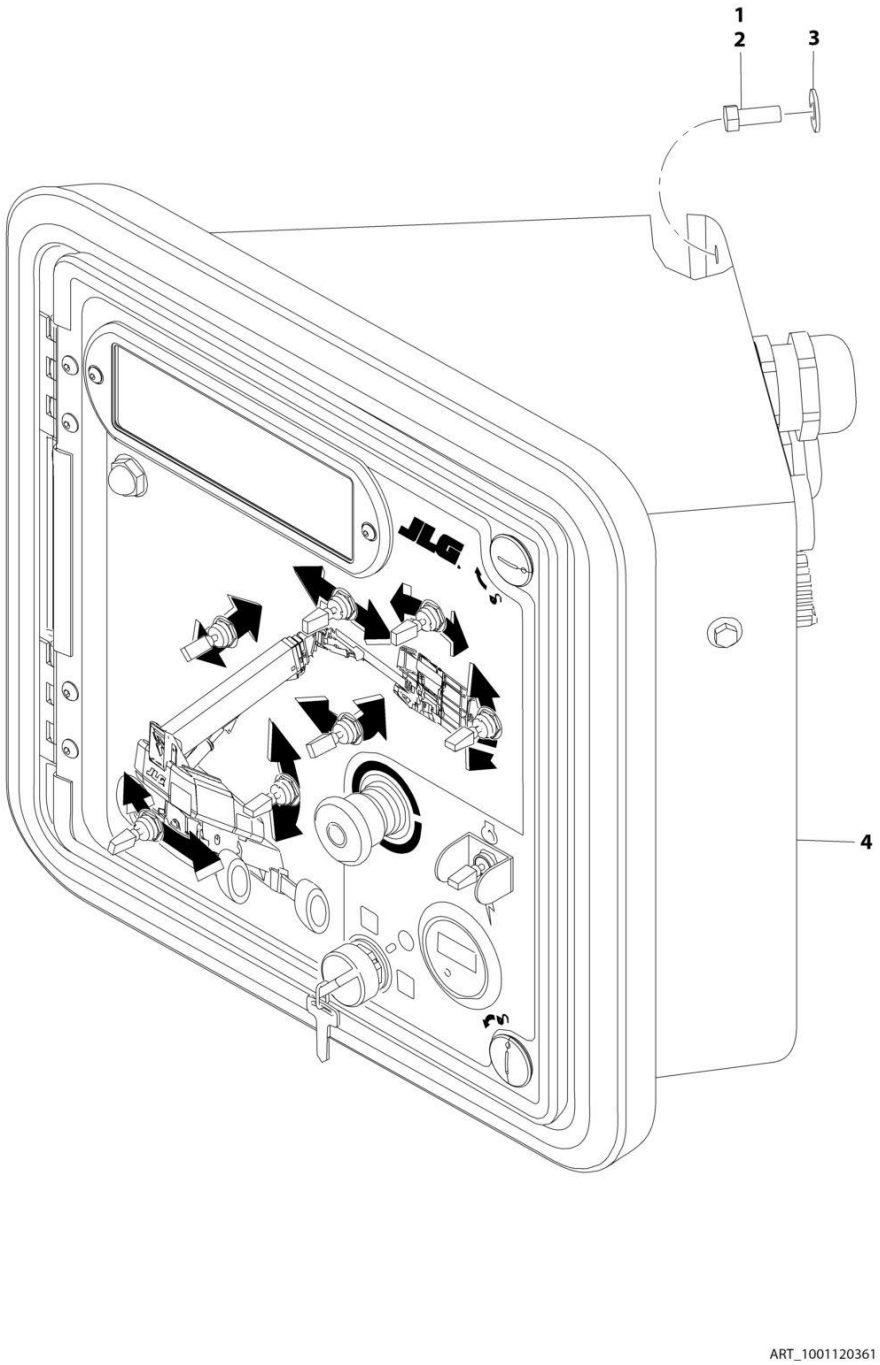


FIGURE 2-22. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH REXROTH PUMPS (ANSI EXPORT (LRC), AUSTRALIAN AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120361	Ref	GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH REXROTH PUMPS (ANSI EXPORT (LRC), AUSTRALIAN AND CHINA SPECS)	B
1	0100011	AR	Compound, Locking	
2	3931616	4	Bolt 3/8 x 3/4	
3	4751600	4	Washer 3/8	
4	1001119651	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY (ALL SPECS EXCEPT CE SPECS) for Breakdown)	
5	1001119456	2	Harness, Pump - Sauer to Rexroth Jumper Harness (Not Shown - See ELECTRICAL SECTION for Breakdown)	
6	1001119470	1	Harness, Engine - Deutz TD2011 Engines (Not Shown - See ELECTRICAL SECTION for Breakdown)	

FIGURE 2-23. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH REXROTH PUMPS (CE (LRC) SPECS)

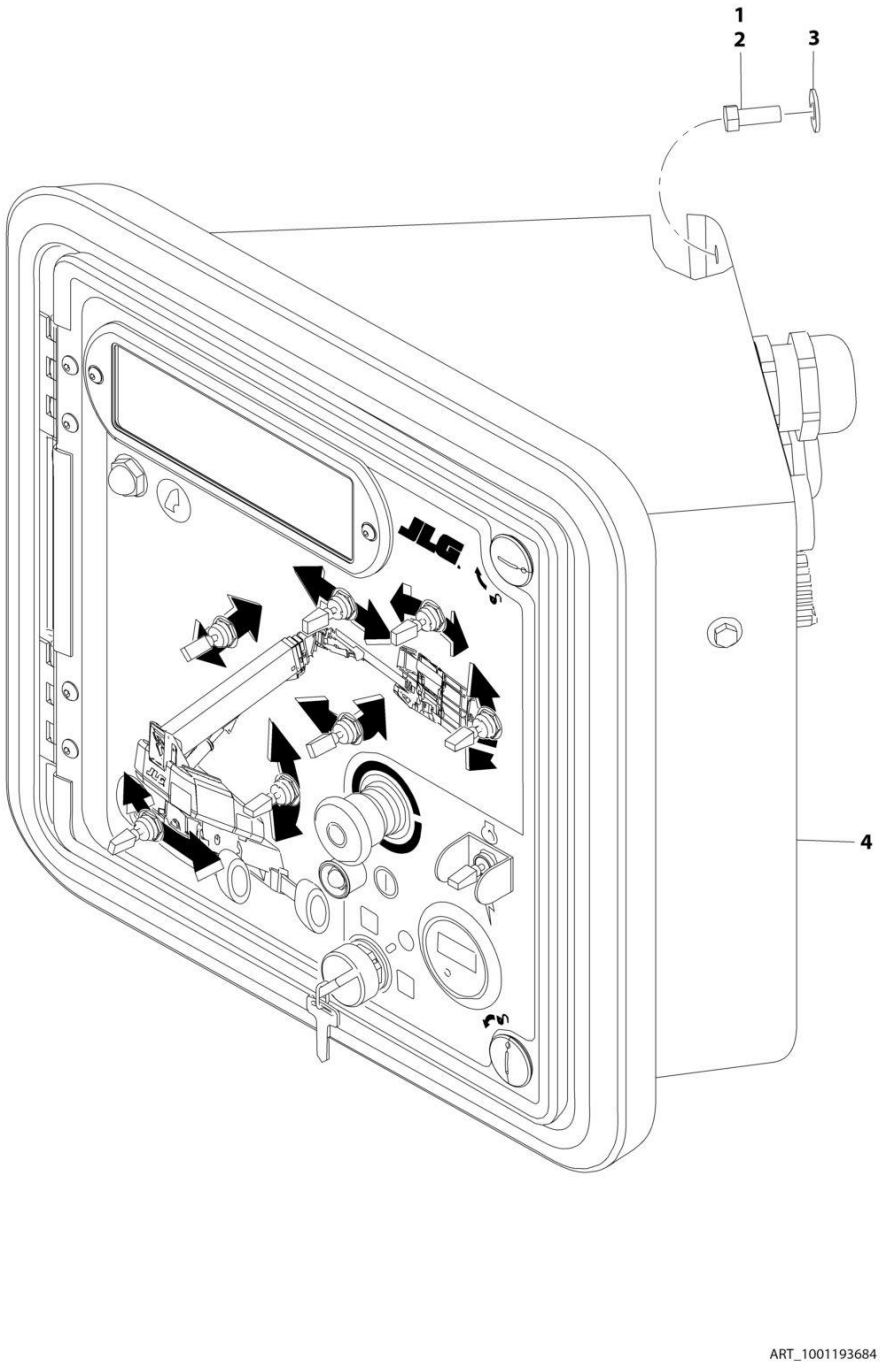


FIGURE 2-23. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH REXROTH PUMPS (CE (LRC) SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193684	Ref	GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH REXROTH PUMPS (CE (LRC) SPECS)	A
1	0100011	AR	Compound, Locking	
2	3931616	4	Bolt 3/8 x 3/4	
3	4751600	4	Washer 3/8	
4	1001184787	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY (CE SPECS) for Breakdown)	
5	1001119456	2	Harness, Pump - Sauer to Rexroth Jumper Harness (Not Shown - See ELECTRICAL SECTION for Breakdown)	
6	1001119470	1	Harness, Engine - Deutz TD2011 Engines (Not Shown - See ELECTRICAL SECTION for Breakdown)	

FIGURE 2-24. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH SAUER PUMPS (ANSI EXPORT (LRC), AUSTRALIAN AND CHINA SPECS)

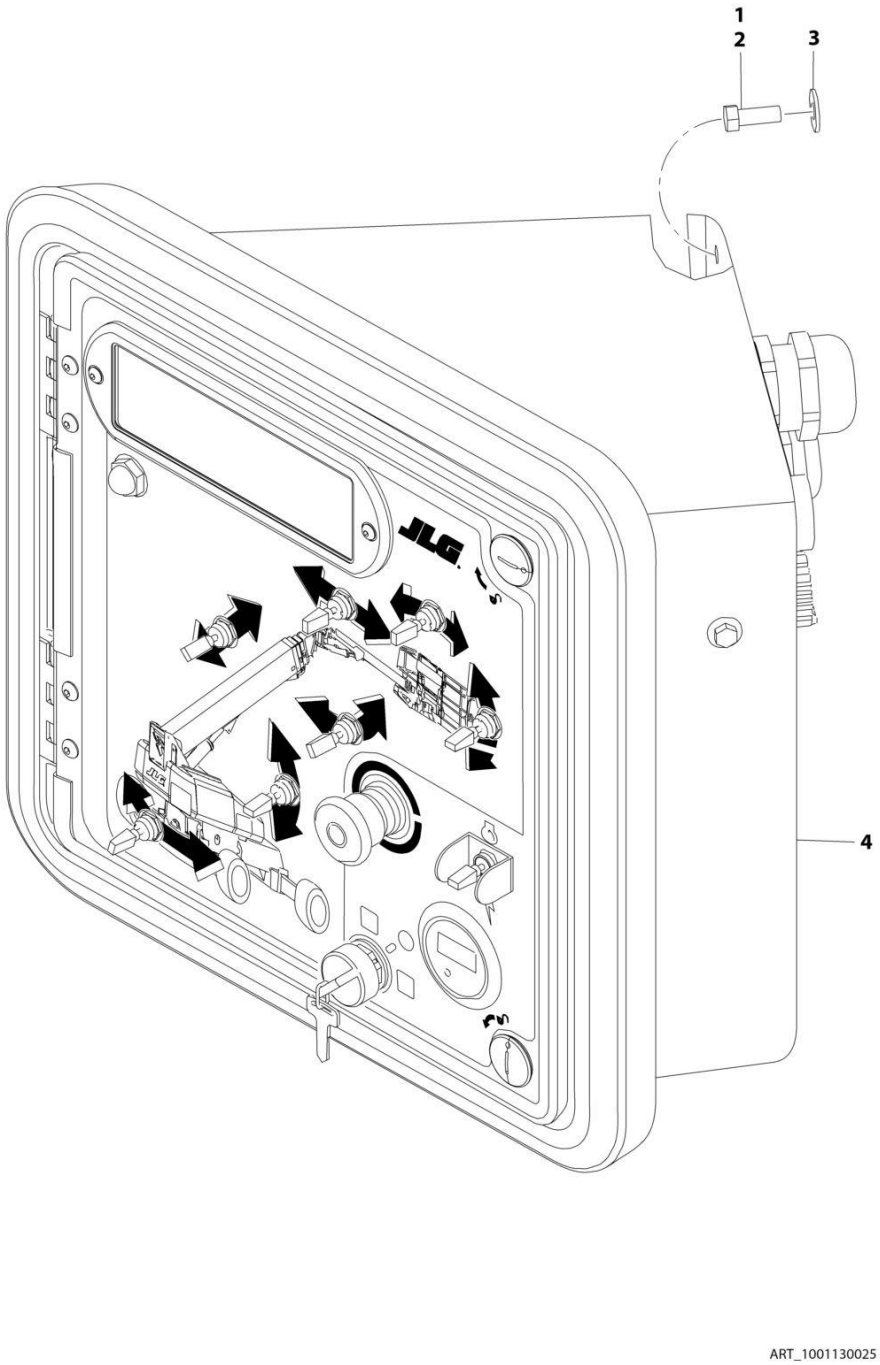


FIGURE 2-24. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH SAUER PUMPS (ANSI EXPORT (LRC), AUSTRALIAN AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001130025	Ref	GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH SAUER PUMPS (ANSI EXPORT (LRC), AUSTRALIAN AND CHINA SPECS)	B
1	0100011	AR	Compound, Locking	
2	3931616	4	Bolt 3/8 x 3/4	
3	4751600	4	Washer 3/8	
4	1001119651	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY (ALL SPECS EXCEPT CE SPECS) for Breakdown)	
5	1001119470	1	Harness, Engine - Deutz TD2011 Engines (Not Shown - See ELECTRICAL SECTION for Breakdown)	

FIGURE 2-25. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH SAUER PUMPS (CE (LRC) SPECS)

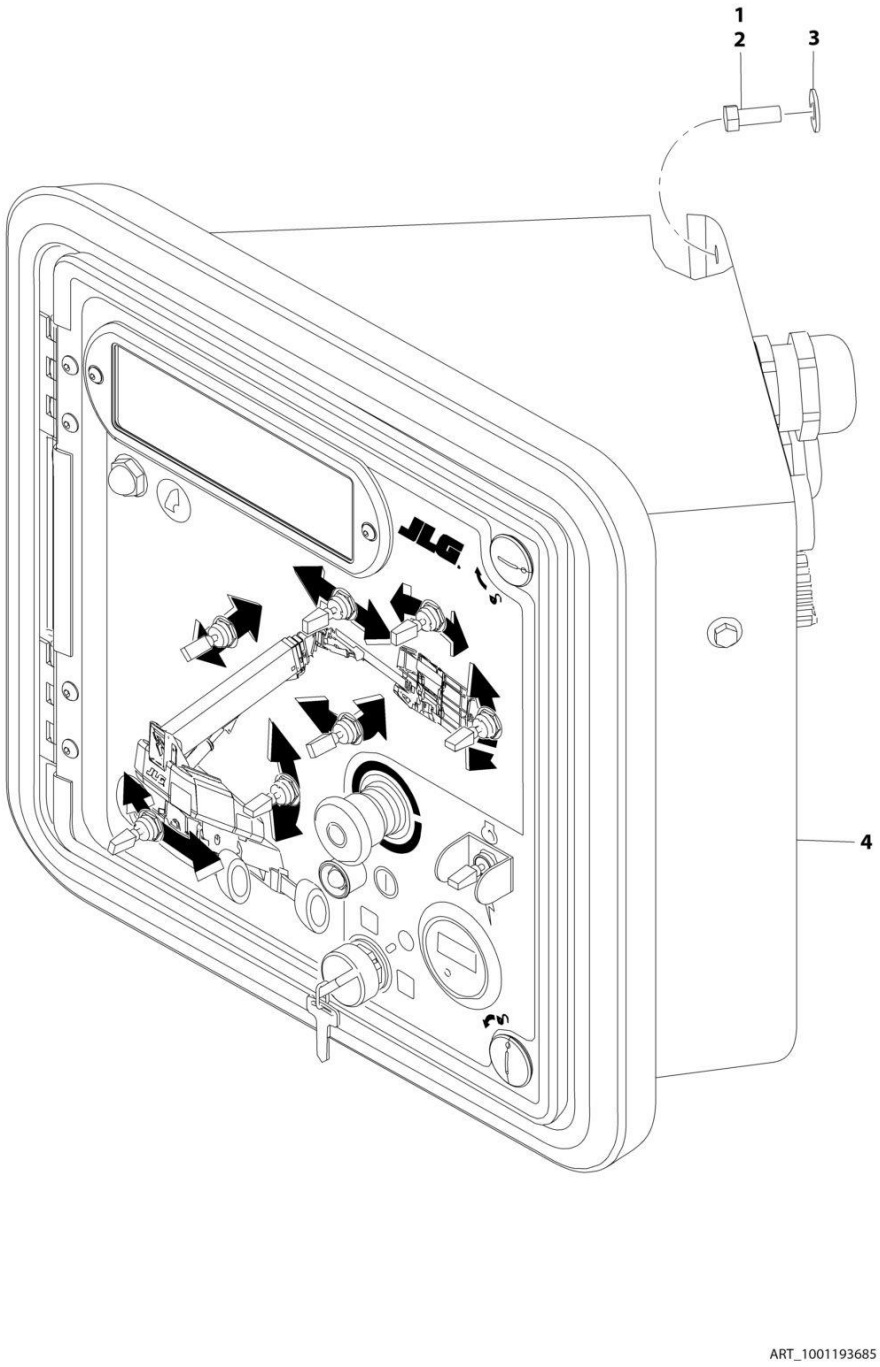


FIGURE 2-25. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH SAUER PUMPS (CE (LRC) SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193685	Ref	GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH SAUER PUMPS (CE (LRC) SPECS)	A
1	0100011	AR	Compound, Locking	
2	3931616	4	Bolt 3/8 x 3/4	
3	4751600	4	Washer 3/8	
4	1001184787	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY (CE SPECS) for Breakdown)	
5	1001119470	1	Harness, Engine - Deutz TD2011 Engines (Not Shown - See ELECTRICAL SECTION for Breakdown)	

FIGURE 2-26. GROUND CONTROL BOX INSTALLATION - TCD2.9L4 ENGINES WITH REXROTH PUMPS (ANSI, ANSI EXPORT (HRC), CHINA, CSA AND JAPANESE SPECS)

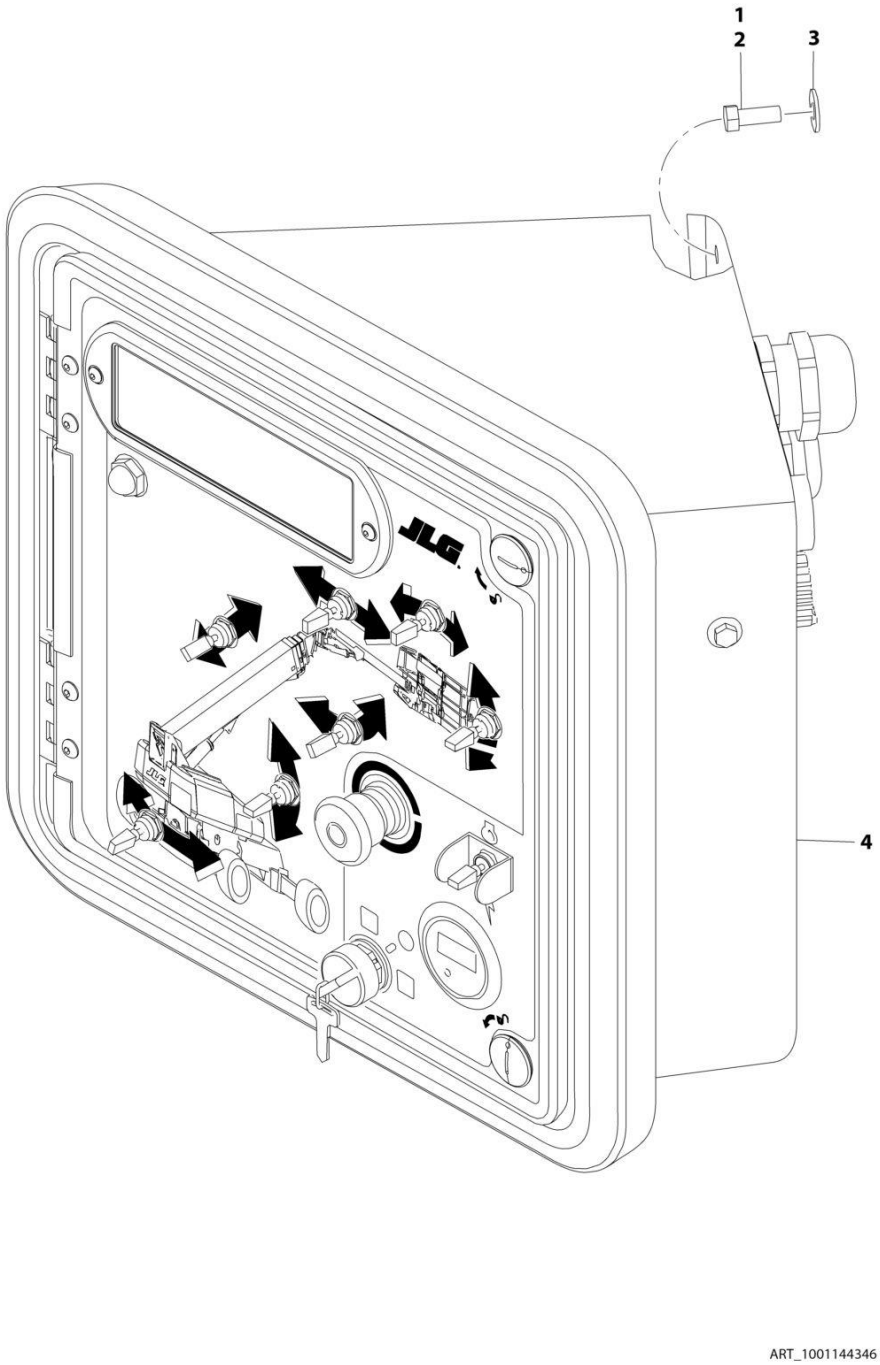


FIGURE 2-26. GROUND CONTROL BOX INSTALLATION - TCD2.9L4 ENGINES WITH REXROTH PUMPS (ANSI, ANSI EXPORT (HRC), CHINA, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001144346	Ref	GROUND CONTROL BOX INSTALLATION - TCD2.9L4 ENGINES WITH REXROTH PUMPS (ANSI, ANSI EXPORT (HRC), CHINA, CSA AND JAPANESE SPECS)	B
1	0100011	AR	Compound, Locking	
2	3931616	4	Bolt 3/8 x 3/4	
3	4751600	4	Washer 3/8	
4	1001119651	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY (ALL SPECS EXCEPT CE SPECS) for Breakdown)	

FIGURE 2-27. GROUND CONTROL BOX INSTALLATION - TCD2.9L4 ENGINES WITH REXROTH PUMPS (CE SPECS)

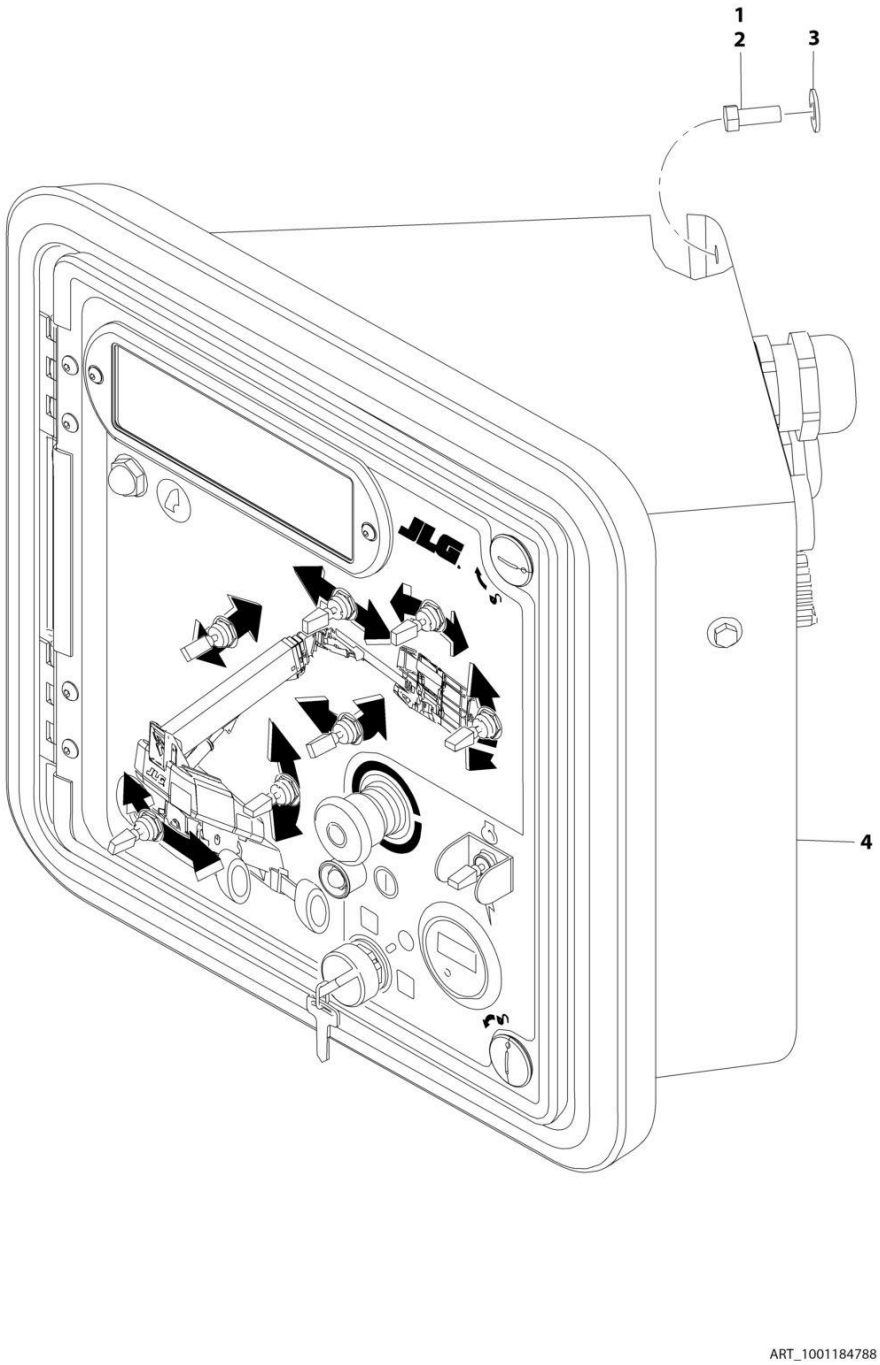


FIGURE 2-27. GROUND CONTROL BOX INSTALLATION - TCD2.9L4 ENGINES WITH REXROTH PUMPS (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184788	Ref	GROUND CONTROL BOX INSTALLATION - TCD2.9L4 ENGINES WITH REXROTH PUMPS (CE SPECS)	A
1	0100011	AR	Compound, Locking	
2	3931616	4	Bolt 3/8 x 3/4	
3	4751600	4	Washer 3/8	
4	1001184787	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY (CE SPECS) for Breakdown)	

FIGURE 2-28. GROUND CONTROL BOX ASSEMBLY (ALL SPECS EXCEPT CE SPECS)

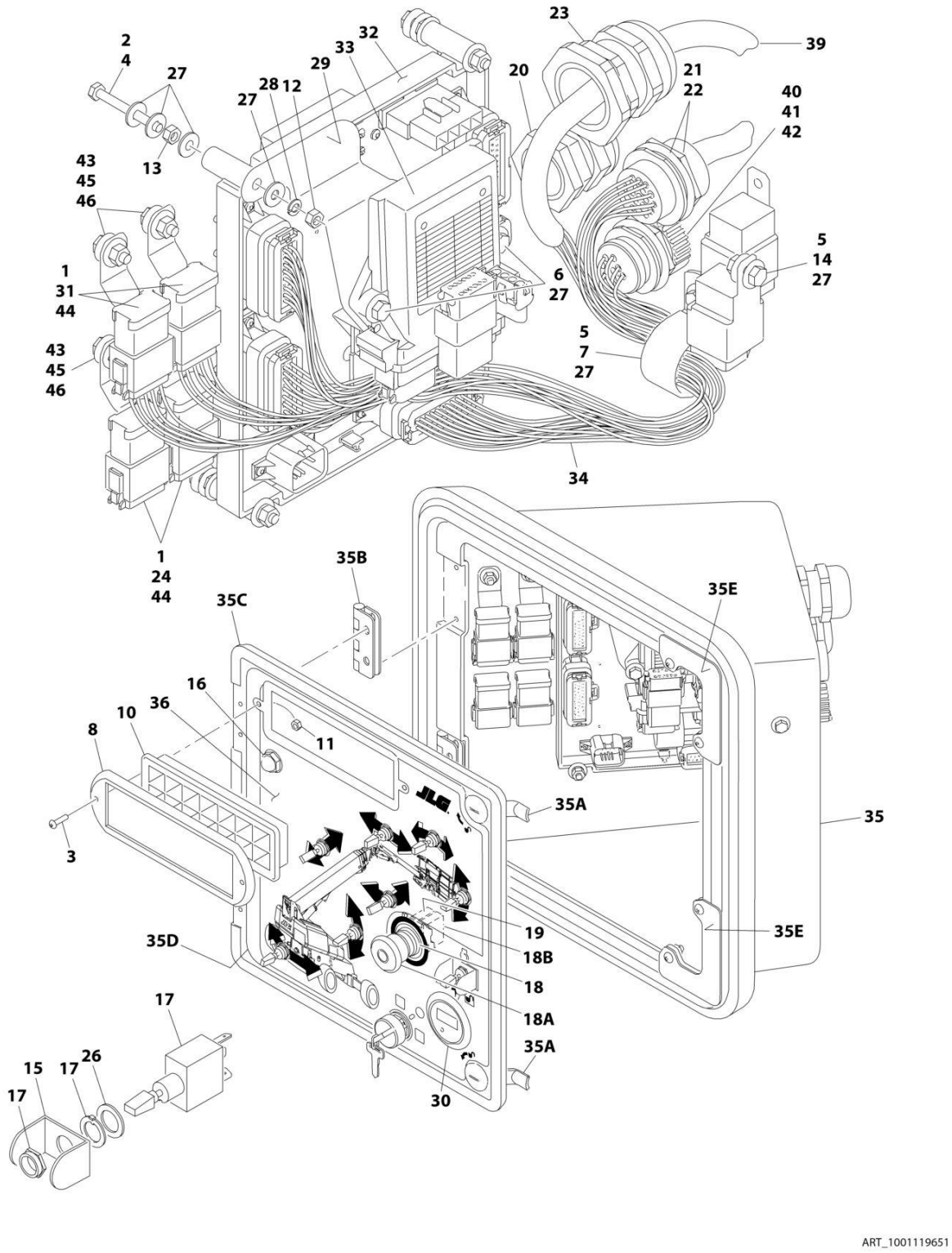


FIGURE 2-28. GROUND CONTROL BOX ASSEMBLY (ALL SPECS EXCEPT CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119651	Ref	GROUND CONTROL BOX ASSEMBLY (ALL SPECS EXCEPT CE SPECS)	L
1	0100048	AR	Grease, Dielectric	
2	0100081	AR	Adhesive	
3	0630518	2	Screw #10 x 3/4	
4	0630548	5	Screw, Self Tapping	
5	0641406	2	Bolt 1/4 x 3/4	
6	0641410	2	Bolt 1/4 x 1-1/4	
7	1320095	1	Clamp	
8	1670829	1	Bezel	
10	2760105	1	Housing, Light	
11	3300408	2	Nut, Nylon	
12	3311401	5	Nut 1/4	
13	3311402	5	Nut 1/4	
14	3311405	4	Nut 1/4	
15	4060906	1	Guard, Switch	
16	4360274	1	Switch, Pushbutton	
17	4360328	8	Switch, Toggle	
18	4360475	1	Switch, Push-Pull Emergency	
18A	7020175	1	Cap	
18B	7020176	1	Block, Contact	
19	4360476	1	Block, Contact	
20	4460426	1	Connector, Strain Relief	
21	4460470	1	Nut, Terminal	
22	4460471	1	Washer, Terminal	
23	4460526	1	Connector, Strain Relief	
24	4460837	2	Connector - 12 Position	
25	4460905	4	Plug, Seal (Not Shown)	
26	4740444	8	Washer, Special	
27	4751400	28	Washer 1/4	
28	4761400	5	Washer 1/4	
29	1001100434	1	Mount, Module	
30	1001109503	1	Gauge, Indicator	
31	1001119020	2	Connector - 12 Position	
32	1001119509	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
33	1001119512	1	Module, Repeater	
34	1001119652	1	Harness, Ground Control Box (See ELECTRICAL SECTION for Breakdown)	
35	1001120309	1	Box Assembly	D
35A	2940139	2	Latch	
35B	2600279	2	Hinge	
35C	3960418	53 in/1.4m	Seal	
35D	1001120311	1	Panel, Front	
35E	3573144	1	Plate, Latch	
36	1001120323	1	Decal - Lid	
38	1001120332	1	Wiring Diagram (Not Shown) (See ELECTRICAL SECTION for Breakdown)	
39	1001119653	1	Harness, Turntable (See ELECTRICAL SECTION for Breakdown)	
40	4460496	1	Washer, Terminal	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	4460497	1	Nut, Terminal	
42	1001106736	1	Cap, Dust	
43	4751000	4	Washer #10	
44	4460914	4	Mount, Base	
45	3311001	4	Nut #10	
46	0630464	4	Bolt #10 x 1/2	

FIGURE 2-29. GROUND CONTROL BOX ASSEMBLY (CE SPECS)

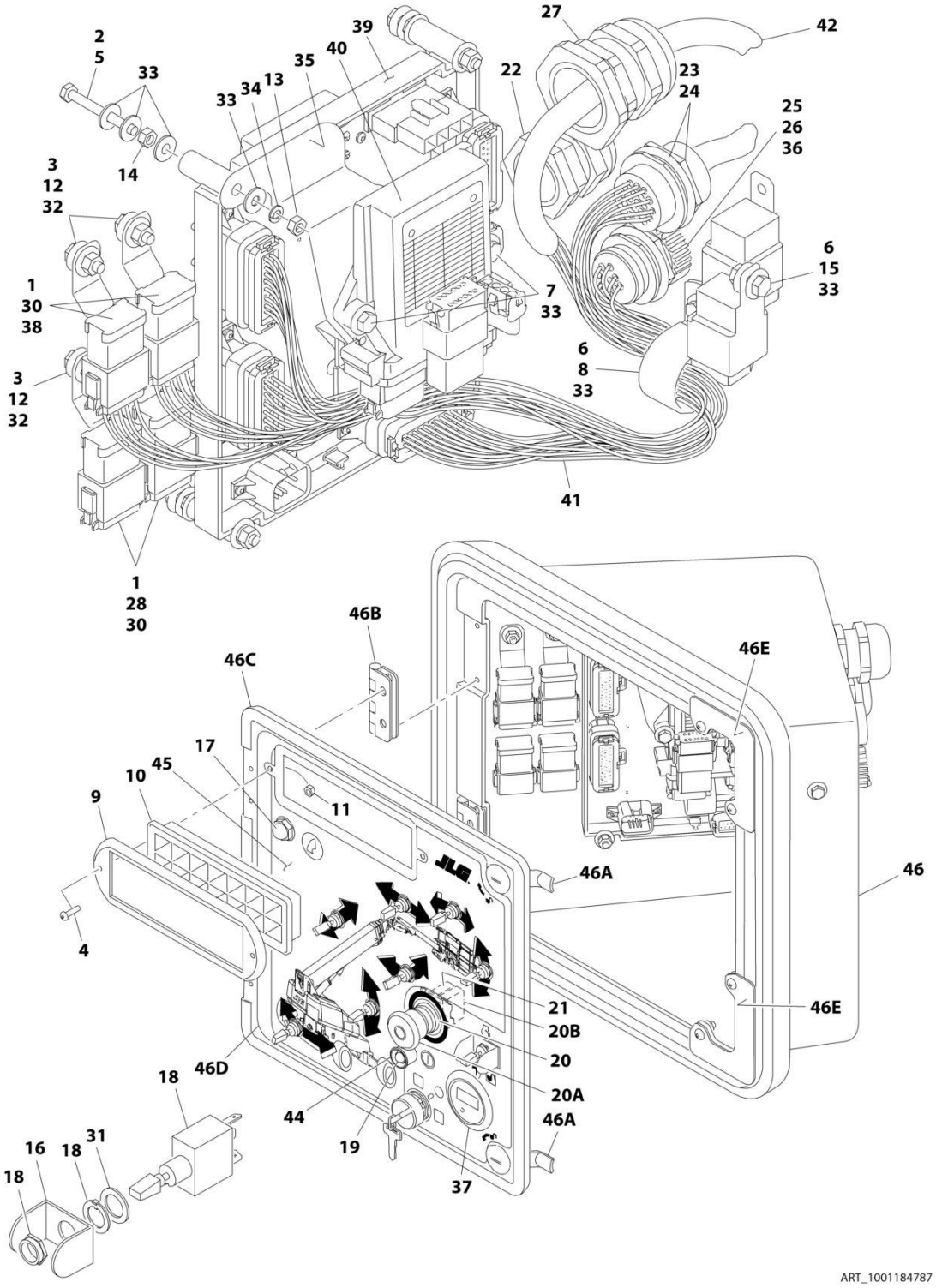


FIGURE 2-29. GROUND CONTROL BOX ASSEMBLY (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184787	Ref	GROUND CONTROL BOX ASSEMBLY (CE SPECS)	A
1	0100048	AR	Grease, Dielectric	
2	0100081	AR	Adhesive	
3	0630464	4	Bolt #10 x 1/2	
4	0630518	2	Screw #10 x 3/4	
5	0630548	5	Screw, Self Tapping	
6	0641406	2	Bolt 1/4 x 3/4	
7	0641410	2	Bolt 1/4 x 1-1/4	
8	1320095	1	Clamp	
9	1670829	1	Bezel	
10	2760105	1	Housing, Light	
11	3300408	2	Nut, Nylon	
12	3311001	4	Nut #10	
13	3311401	5	Nut 1/4	
14	3311402	5	Nut 1/4	
15	3311405	4	Nut 1/4	
16	4060906	1	Guard, Switch	
17	4360274	1	Switch, Pushbutton	
18	4360328	8	Switch, Toggle	
19	4360387	1	Switch, Pushbutton	
20	4360475	1	Switch, Push-Pull Emergency	
20A	7020175	1	Cap	
20B	7020176	1	Block, Contact	
21	4360476	1	Block, Contact	
22	4460426	1	Connector, Strain Relief	
23	4460470	1	Nut, Terminal	
24	4460471	1	Washer, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4460837	2	Connector - 12 Position	
29	4460905	4	Plug, Seal (Not Shown)	
30	4460914	4	Mount, Base	
31	4740444	8	Washer, Special	
32	4751000	4	Washer #10	
33	4751400	28	Washer 1/4	
34	4761400	5	Washer 1/4	
35	1001100434	1	Mount, Module	
36	1001106736	1	Cap, Dust	
37	1001109503	1	Gauge, Indicator	
38	1001119020	2	Connector - 12 Position	
39	1001119509	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
40	1001119512	1	Module, Repeater	
41	1001186903	1	Harness, Ground Control Box (See ELECTRICAL SECTION for Breakdown)	
42	1001119653	1	Harness, Turntable (See ELECTRICAL SECTION for Breakdown)	
43	1001120332	1	Wiring Diagram (Not Shown) (See ELECTRICAL SECTION for Breakdown)	
44	1001176469	1	Shroud	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001179830	1	Decal - Lid	
46	1001184786	1	Box Assembly	A
46A	2940139	2	Latch	
46B	2600279	2	Hinge	
46C	3960418	53 in/1.4m	Seal	
46D	1001184785	1	Panel, Front	
46E	3573144	1	Plate, Latch	

FIGURE 2-30. KEYSWITCH INSTALLATION

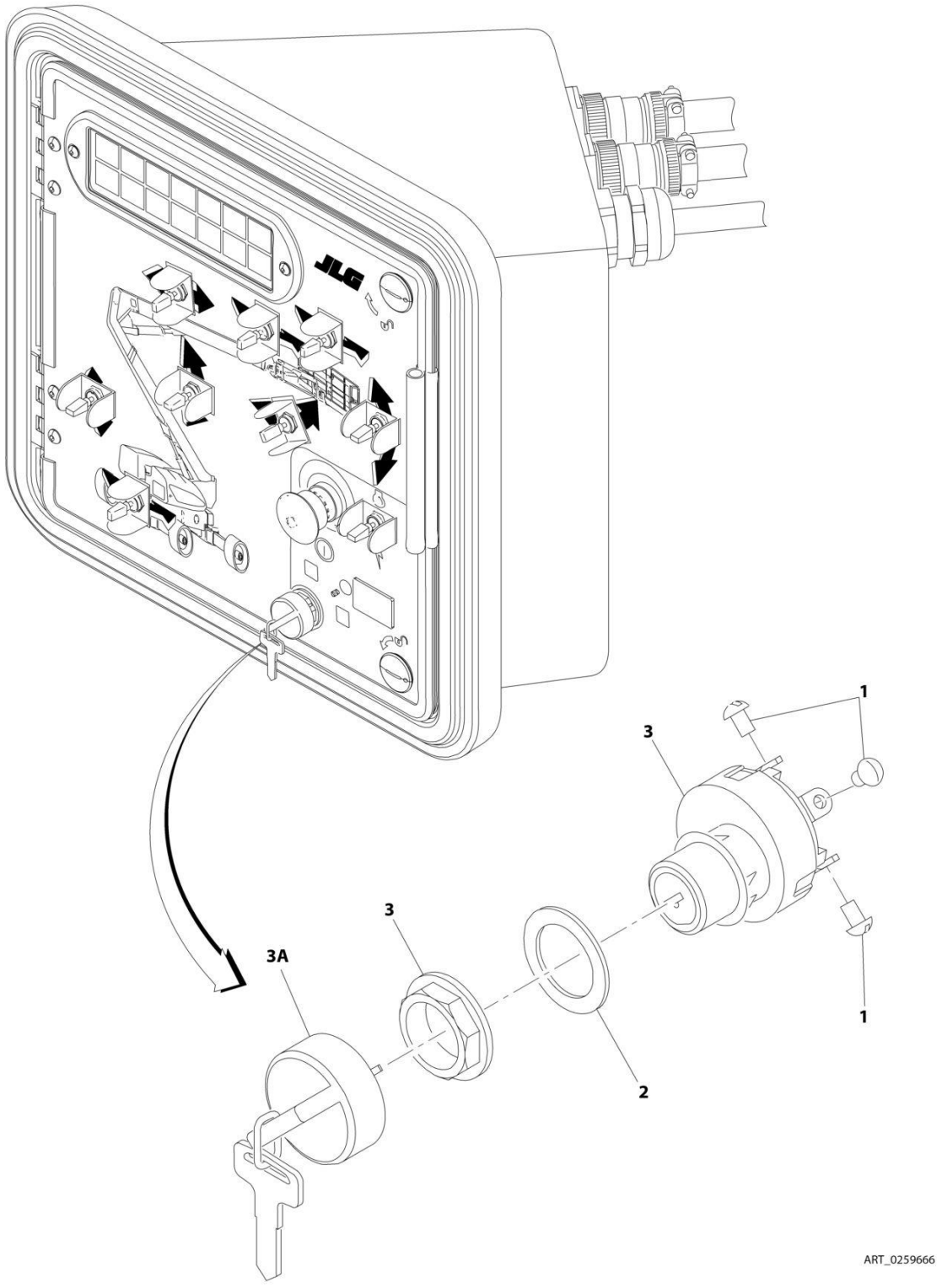
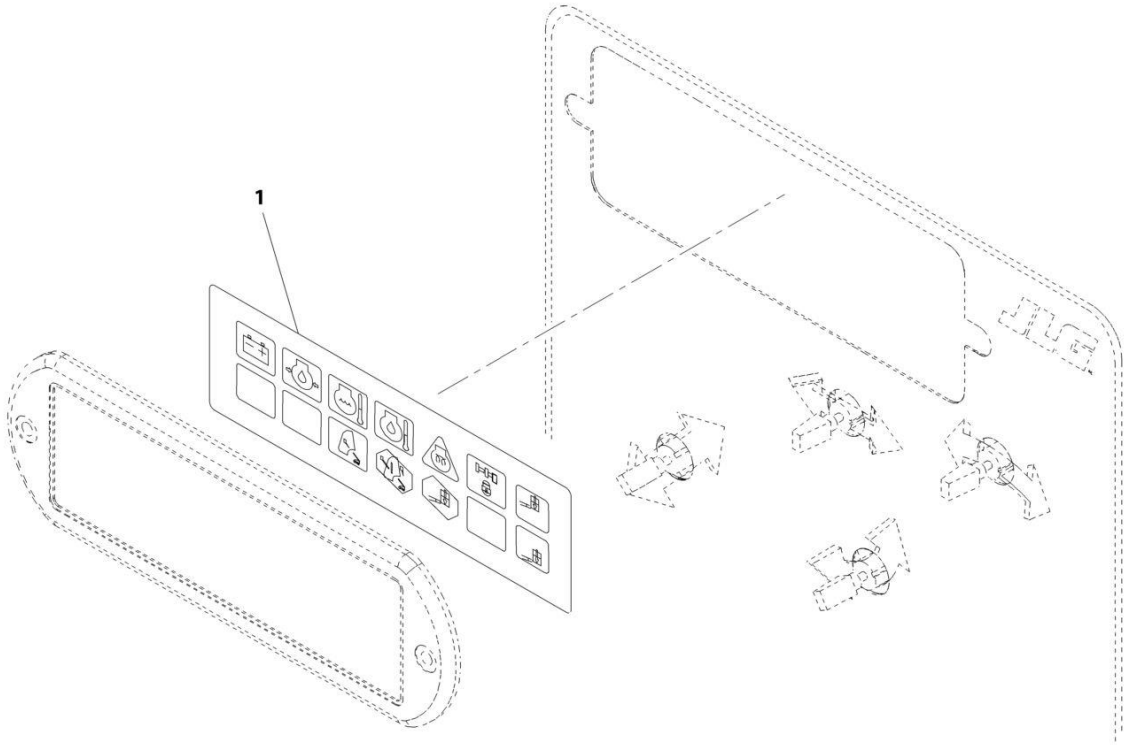


FIGURE 2-30. KEYSWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0259666	Ref	KEYSWITCH INSTALLATION	B
1	3910804	6	Screw #8 x 1/8	
2	1001151393	1	Shim .063	
3	4360469	1	Keyswitch	
3A	2860030	1	Key, Replacement	

FIGURE 2-31. LIGHT PANEL INSTALLATION (ALL SPECS EXCEPT AUSTRALIAN, CE AND CE (LRC) SPECS)

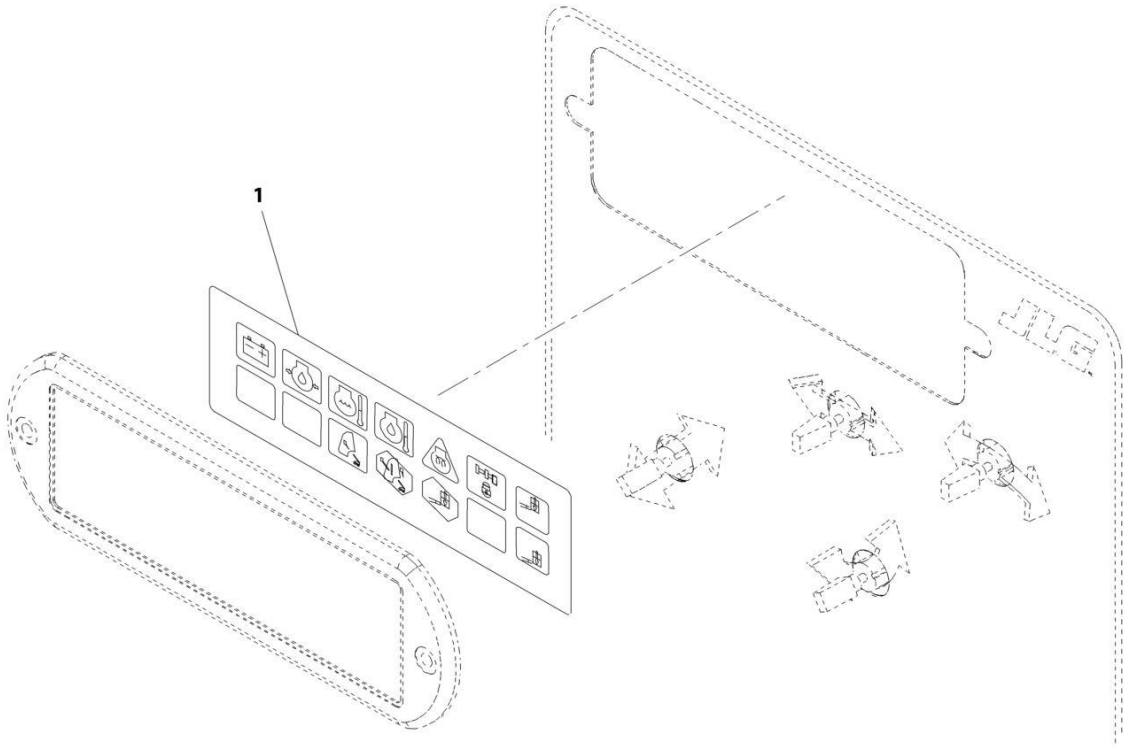


ART_1001121826_1OF2

FIGURE 2-31. LIGHT PANEL INSTALLATION (ALL SPECS EXCEPT AUSTRALIAN, CE AND CE (LRC) SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121826	Ref	LIGHT PANEL INSTALLATION (ALL SPECS EXCEPT AUSTRALIAN, CE AND CE (LRC) SPECS)	A
1	1001122383	1	Decal - Light Panel	

FIGURE 2-32. LIGHT PANEL INSTALLATION (AUSTRALIAN, CE AND CE (LRC) SPECS)



ART_1001121827_1OF2

FIGURE 2-32. LIGHT PANEL INSTALLATION (AUSTRALIAN, CE AND CE (LRC) SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121827	Ref	LIGHT PANEL INSTALLATION (AUSTRALIAN, CE AND CE (LRC) SPECS)	A
1	1705174	1	Decal - Light Panel	

FIGURE 2-33. ALARMS INSTALLATION

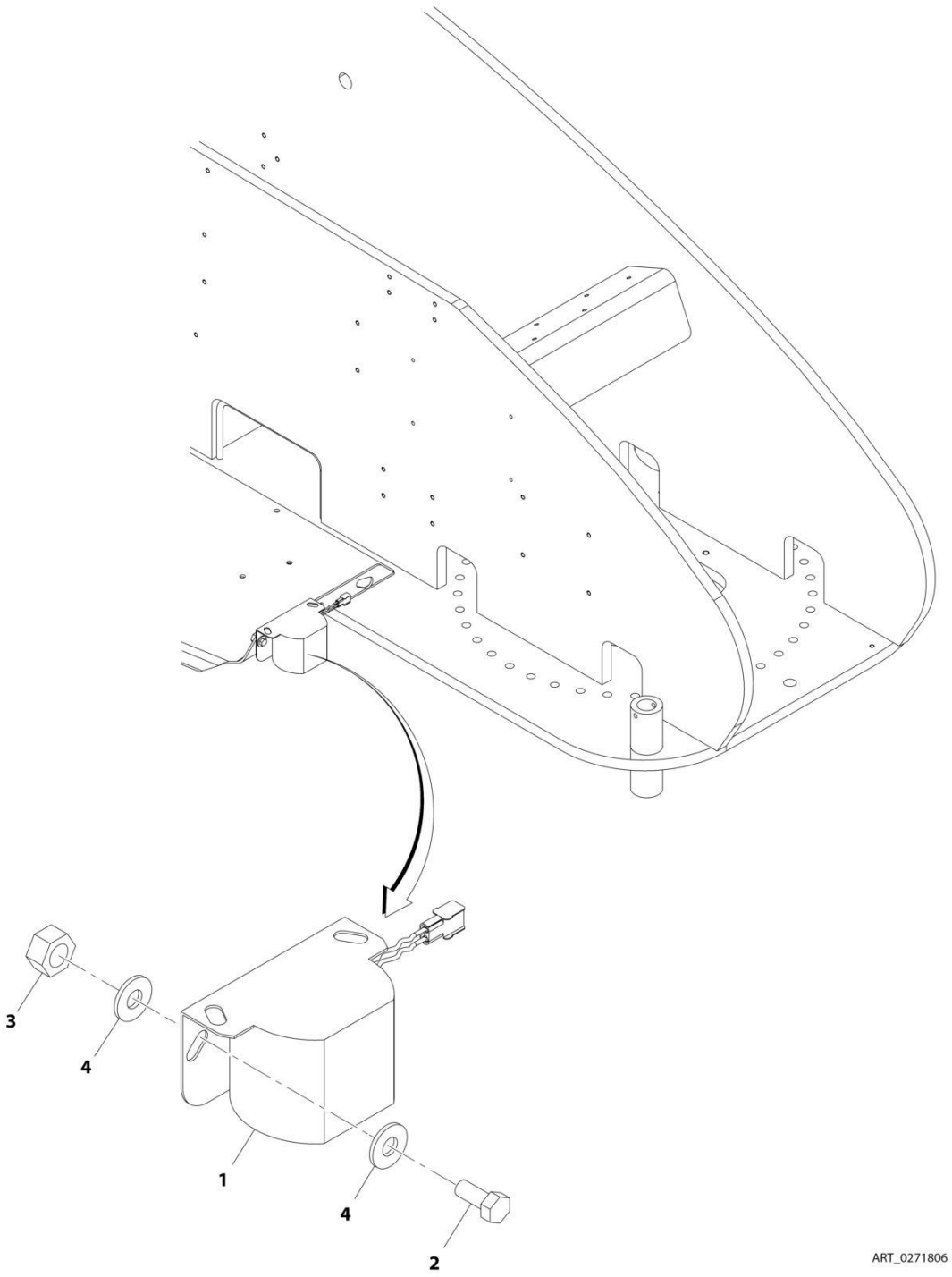


FIGURE 2-33. ALARMS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271806	Ref	ALARMS INSTALLATION	A
1	0257887	1	Alarm	
1	0140032	1	Alarm	
1	2820035	6 in/15cm	Loom	
1	4460424	1	Plug	
1	4460268	2	Socket, Female	
2	0641506	2	Bolt 5/16 x 3/4	
3	3311505	2	Nut 5/16	
4	4751500	4	Washer 5/16	

FIGURE 2-34. STROBE LIGHT INSTALLATION (AMBER)

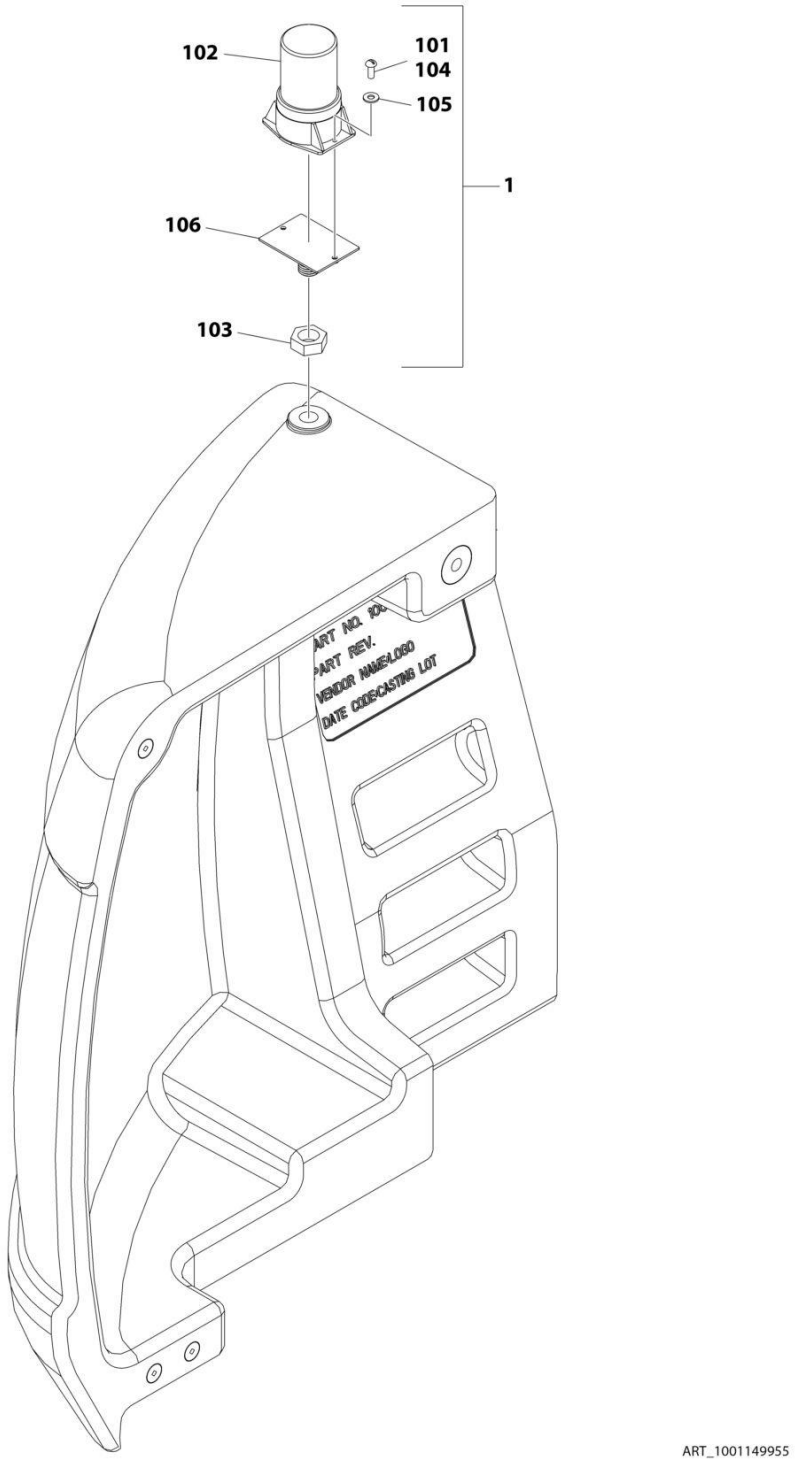


FIGURE 2-34. STROBE LIGHT INSTALLATION (AMBER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001149955	Ref	STROBE LIGHT INSTALLATION (AMBER)	B
1	1001150406	1	Strobe Light Assembly (See Items 101-106 for Breakdown)	
2	1001149818	1	Harness, Strobe Light (Not Shown - See ELECTRICAL SECTION for Breakdown)	
	1001150406	Ref	STROBE LIGHT ASSEMBLY	B
101	0100035	AR	Compound, Locking	
102	2920161	1	Lamp, Strobe	
102	4460891	1	Connector - 2 Position	
102	4460465	2	Socket, Female	
103	3312602	1	Nut 1-8	
104	3900085	2	Screw #10 x 1/2	
105	4751000	2	Washer #10	
106	1001149994	1	Mount, Strobe	

FIGURE 2-35. BEACON LIGHT INSTALLATION (BLUE) (SN 0300209000 through 0300217093)

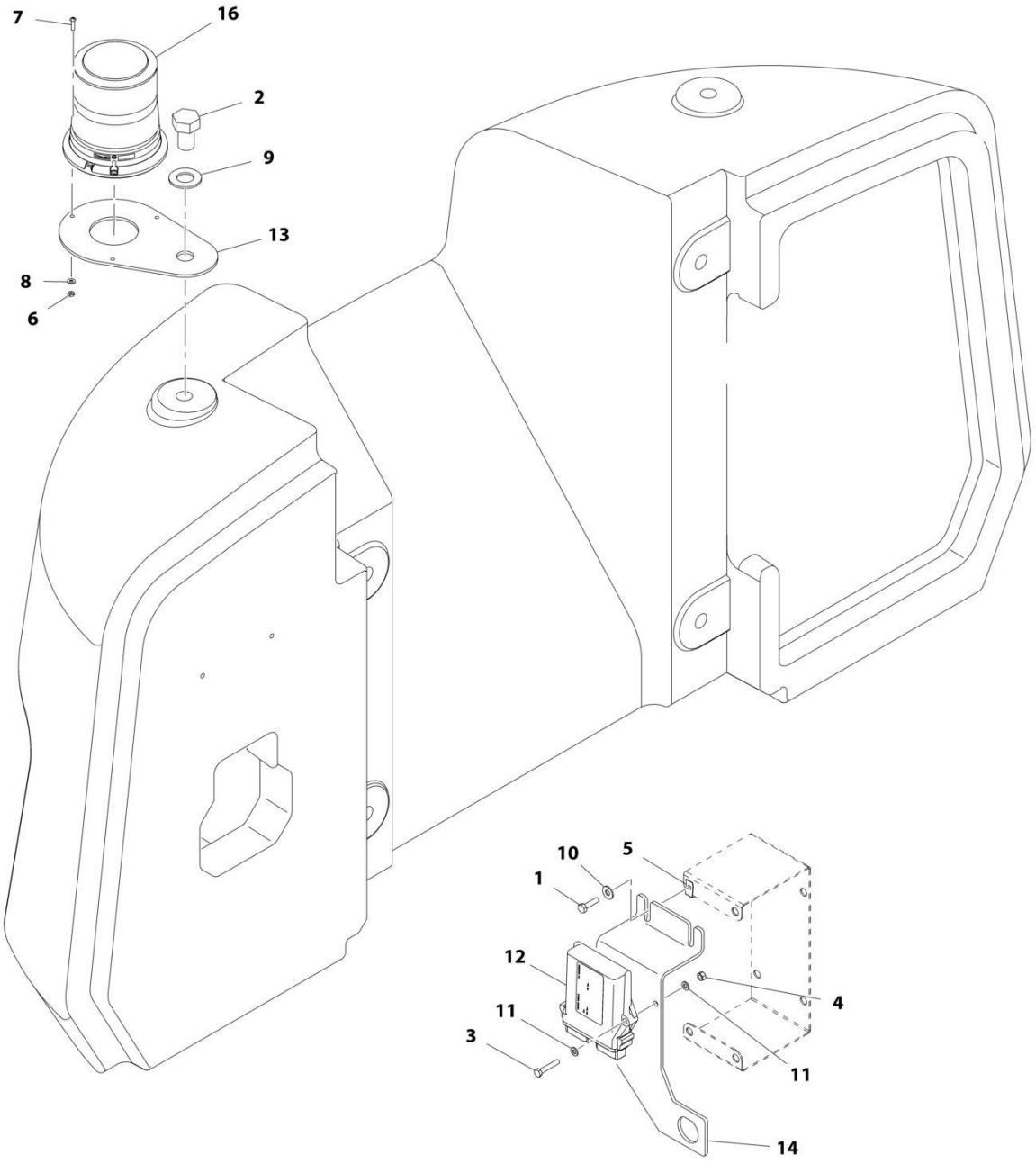


FIGURE 2-35. BEACON LIGHT INSTALLATION (BLUE) (SN 0300209000 through 0300217093)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189176	Ref	BEACON LIGHT INSTALLATION (BLUE) **(SN 0300209000 through 0300217093)**	B
1	0641408	2	Bolt 1/4 x 1	
2	0642612	1	Bolt 1 x 1-1/2	
3	0700615	2	Bolt M6 x 35	
4	3290607	2	Nut M6 x 1	
5	3300454	2	Nut	
6	3311005	3	Nut #10	
7	3911012	3	Screw 10 x 3/4	
8	4711000	3	Washer #10	
9	4712600	1	Washer 1	
10	4751400	2	Washer 1/4	
11	4811700	4	Washer M6	
12	1001142683	1	Control, Beacon Module	
13	1001142694	1	Bracket, Beacon Mounting	
14	1001142719	1	Bracket, Beacon Module Ultra	
15	1001142736	1	Harness, Beacon Control (Not Shown) (See ELECTRICAL SECTION for Breakdown)	
16	1001143431	NLA	Lamp, Beacon (Use p/n 1001210693 & 1001200910)	
16	7028909	1	Connector - 2 Position	
16	4460943	2	Pin, Male	
17	1001150944	1	Harness, Beacon Control (Not Shown) (See ELECTRICAL SECTION for Breakdown)	

FIGURE 2-36. STROBE LIGHT INSTALLATION (BLUE) (SN 0300217094 through 0300256996)

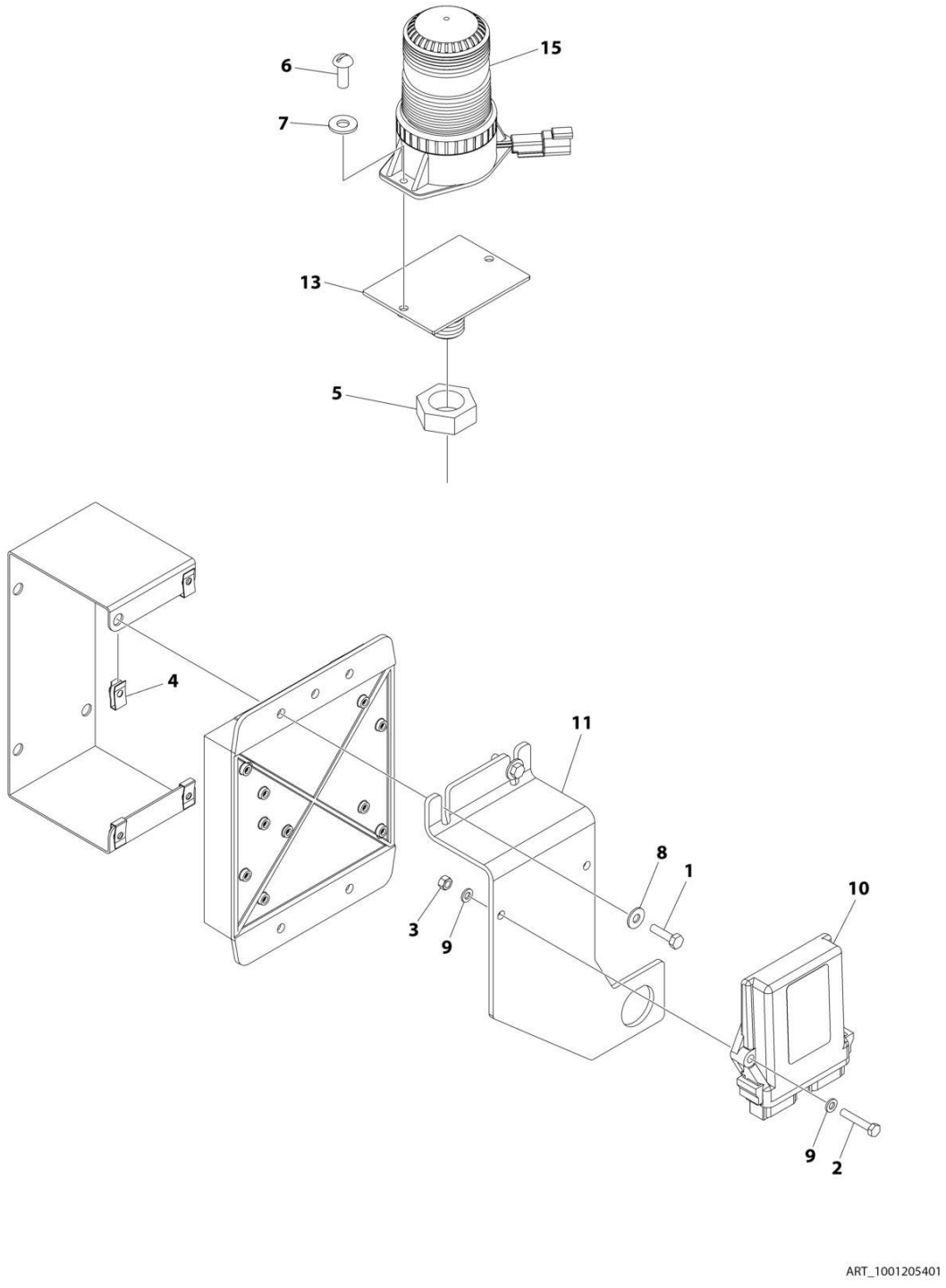


FIGURE 2-36. STROBE LIGHT INSTALLATION (BLUE) (SN 0300217094 through 0300256996)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205401	Ref	STROBE LIGHT INSTALLATION (BLUE) **(SN 0300217094 through 0300256996)**	F
1	0641408	2	Bolt 1/4 x 1	
2	0700615	2	Bolt M6 x 35	
3	3290607	2	Nut M6 x 1	
4	3300454	2	Nut 1/4	
5	3312602	1	Nut 1/4	
6	3900085	2	Screw 10 x 1/2	
7	4751000	2	Washer #10	
8	4751400	2	Washer 1/4	
9	4811700	4	Washer M6	
10	1001142683	1	Module, Control Beacon	
11	1001142719	1	Bracket	
12	1001142736	1	Harness, Beacon Control (Not Shown) (See ELECTRICAL SECTION for Breakdown)	
13	1001149994	1	Mount, Beacon	
15	1001200910	1	Light, Strobe	
15	7028909	1	Connector - 2 Position	
15	4460943	2	Pin, Male	
16	4240032	AR	Tie-Strap (Not Shown) **(SN 0300225824 through 0300256996)**	
17	4460488	AR	Mounting Base (Not Shown) **(SN 0300225824 through 0300256996)**	
18	1001217005	1	Blue Beacon Light Kit (Not Shown - Includes Items 5, 6, 7, 13 & 15) **(SN 0300225824 through 0300256996)**	

FIGURE 2-37. STROBE LIGHT INSTALLATION (BLUE) (SN 0300256997 through 0300272505)

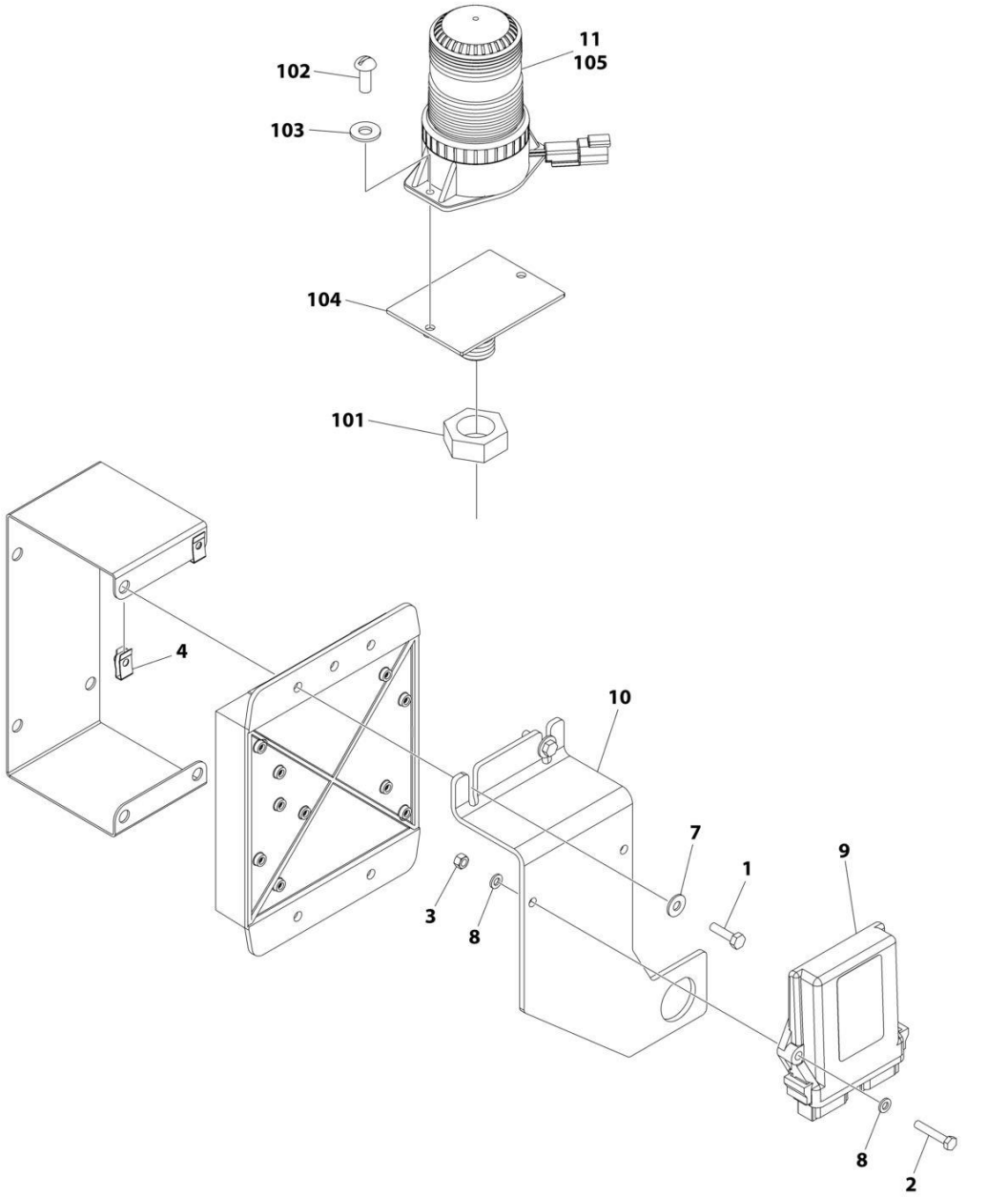


FIGURE 2-37. STROBE LIGHT INSTALLATION (BLUE) (SN 0300256997 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244026	Ref	STROBE LIGHT INSTALLATION (BLUE)	A
1	0641408	2	Bolt 1/4 x 1	
2	0700615	2	Bolt M6 x 35	
3	3290607	2	Nut M6 x 1	
4	3300454	2	Nut 1/4	
5	4240032	AR	Tie-Strap (Not Shown)	
6	4460488	AR	Mounting Base (Not Shown)	
7	4751400	2	Washer 1/4	
8	4811700	4	Washer M6	
9	1001142683	1	Module, Control Beacon	
10	1001142719	1	Bracket	
11	1001217005	1	Blue Beacon Light Kit (See Items 101-105 for Breakdown)	
12	1001142736	1	Harness, Beacon Control (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
101	3312602	1	Nut 1/4	
102	3900085	2	Screw 10 x 1/2	
103	4751000	2	Washer #10	
104	1001149994	1	Mount, Beacon	
105	1001200910	1	Light, Strobe	
105	7028909	1	Connector - 2 Position	
105	4460943	2	Pin, Male	

FIGURE 2-38. BEACON LIGHT INSTALLATION (RED) (SN 0300209000 through 0300217093)

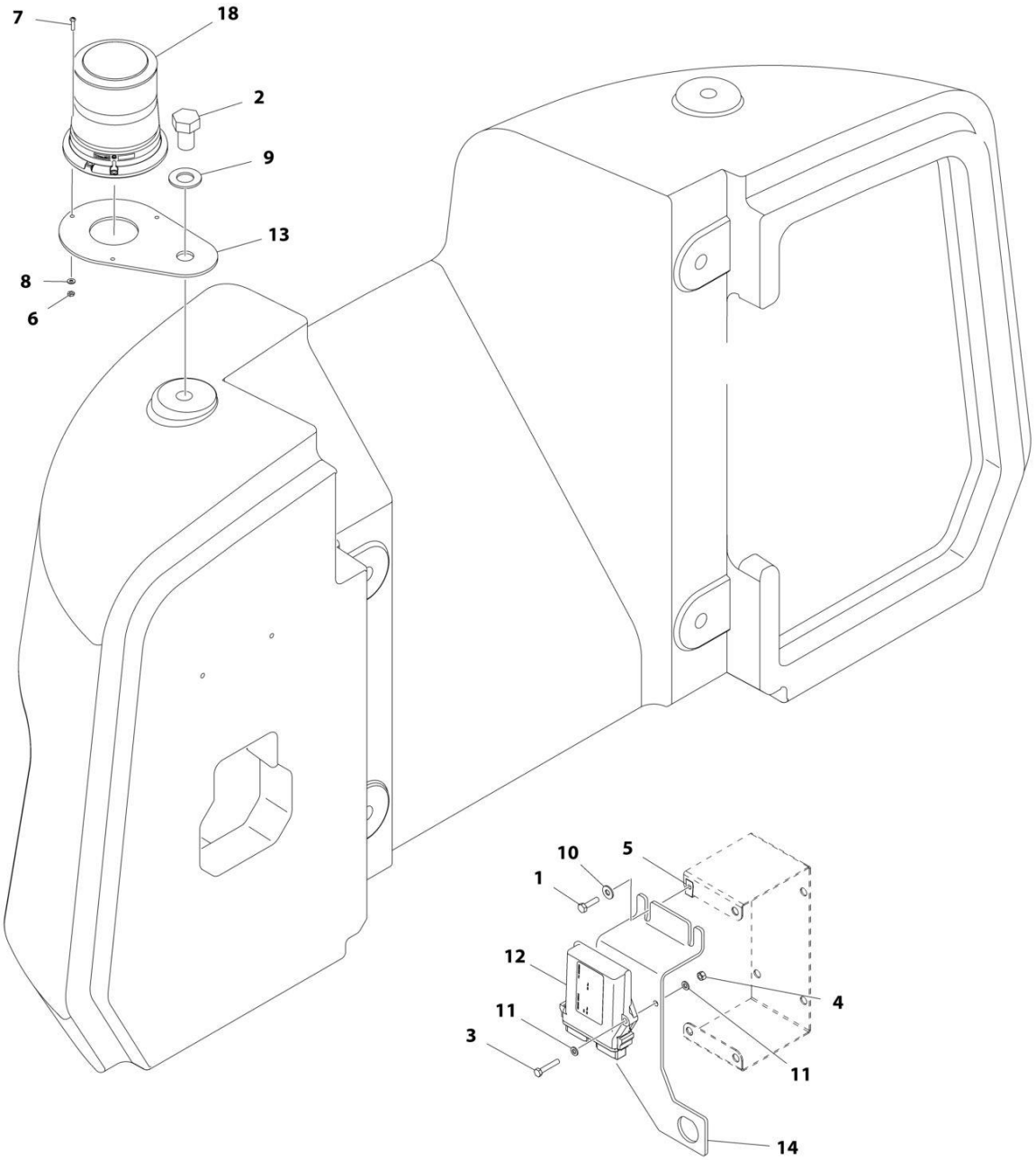


FIGURE 2-38. BEACON LIGHT INSTALLATION (RED) (SN 0300209000 through 0300217093)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207309	Ref	BEACON LIGHT INSTALLATION (RED) **(SN 0300209000 through 0300217093)**	B
1	0641408	2	Bolt 1/4 x 1	
2	0642612	1	Bolt 1 x 1-1/2	
3	0700615	2	Bolt M6 x 35	
4	3290607	2	Nut M6 x 1	
5	3300454	2	Nut	
6	3311005	3	Nut #10	
7	3911012	3	Screw #10 x 3/4	
8	4711000	3	Washer #10	
9	4712600	1	Washer 1	
10	4751400	2	Washer 1/4	
11	4811700	4	Washer M6	
12	1001142683	1	Control, Beacon Module	
13	1001142694	1	Bracket, Beacon Mounting	
14	1001142719	1	Bracket, Beacon Module Ultra	
15	1001142736	1	Harness, Beacon Control (Not Shown) (See ELECTRICAL SECTION for Breakdown)	
18	1001197067	NLA	Lamp, Beacon (Use p/n 1001210693 & 1001207004)	
18	7028909	1	Connector - 2 Position	
18	4460943	2	Pin, Male	

FIGURE 2-39. STROBE LIGHT INSTALLATION (RED) (SN 0300217094 through 0300256996)

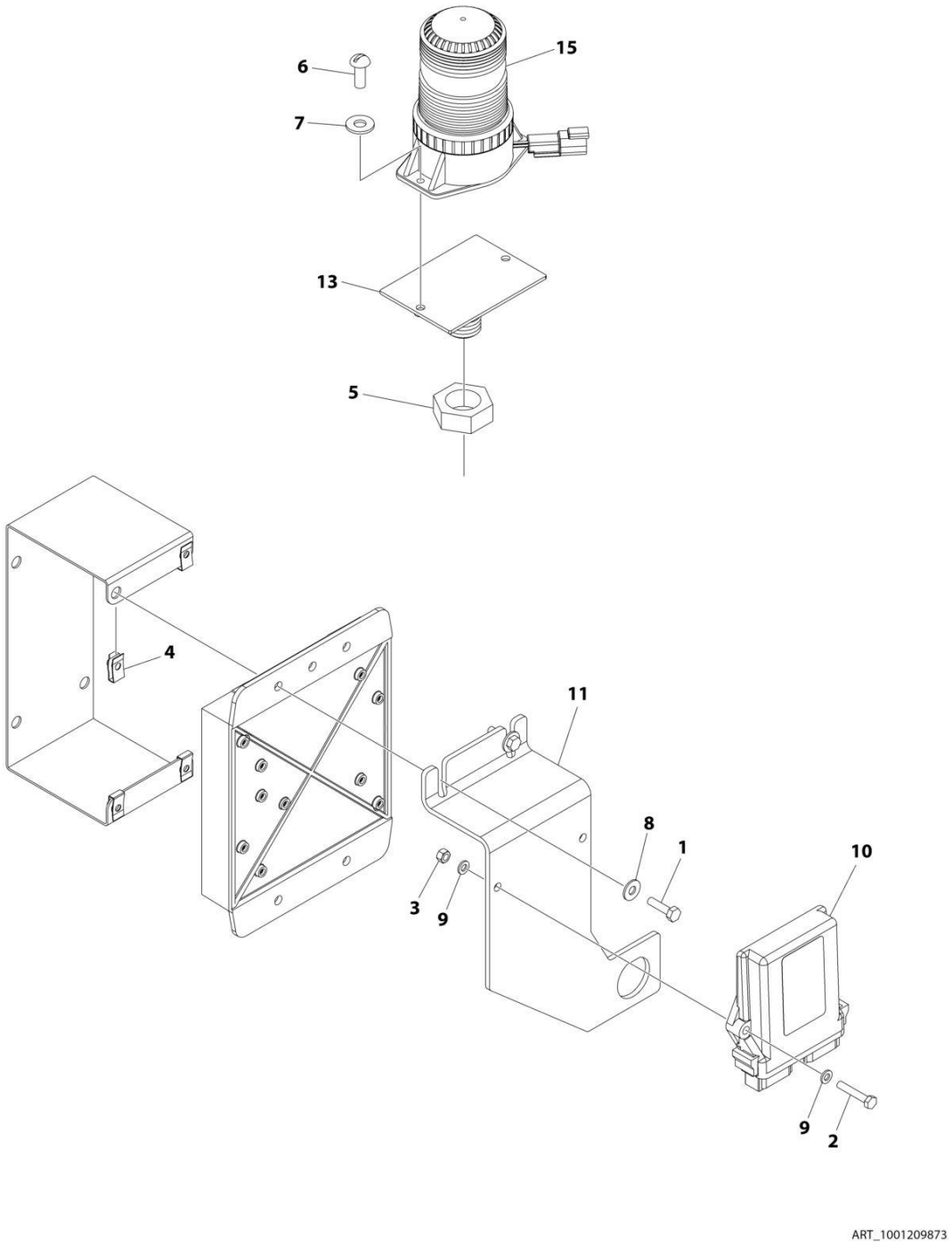


FIGURE 2-39. STROBE LIGHT INSTALLATION (RED) (SN 0300217094 through 0300256996)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209873	Ref	STROBE LIGHT INSTALLATION (RED) **(SN 0300217094 through 0300256996)**	E
1	0641408	2	Bolt 1/4 x 1	
2	0700615	2	Bolt M6 x 35	
3	3290607	2	Nut M6 x 1	
4	3300454	2	Nut	
5	3312602	1	Nut 1	
6	3900085	2	Screw 10 x 1/2	
7	4751000	2	Washer #10	
8	4751400	2	Washer 1/4	
9	4811700	4	Washer M6	
10	1001142683	1	Module, Control Beacon	
11	1001142719	1	Bracket	
12	1001142736	1	Harness, Beacon Control (Not Shown) (See ELECTRICAL SECTION for Breakdown)	
13	1001149994	1	Mount, Beacon	
15	1001207004	1	Light, Strobe	
15	7028909	1	Connector - 2 Position	
15	4460943	2	Pin, Male	
16	4240032	AR	Tie-Strap (Not Shown) **(SN 0300223781 through 0300256996)**	
17	4460488	AR	Mounting Base (Not Shown) **(SN 0300223781 through 0300256996)**	

FIGURE 2-40. STROBE LIGHT INSTALLATION (RED) (SN 0300256997 through 0300272505)

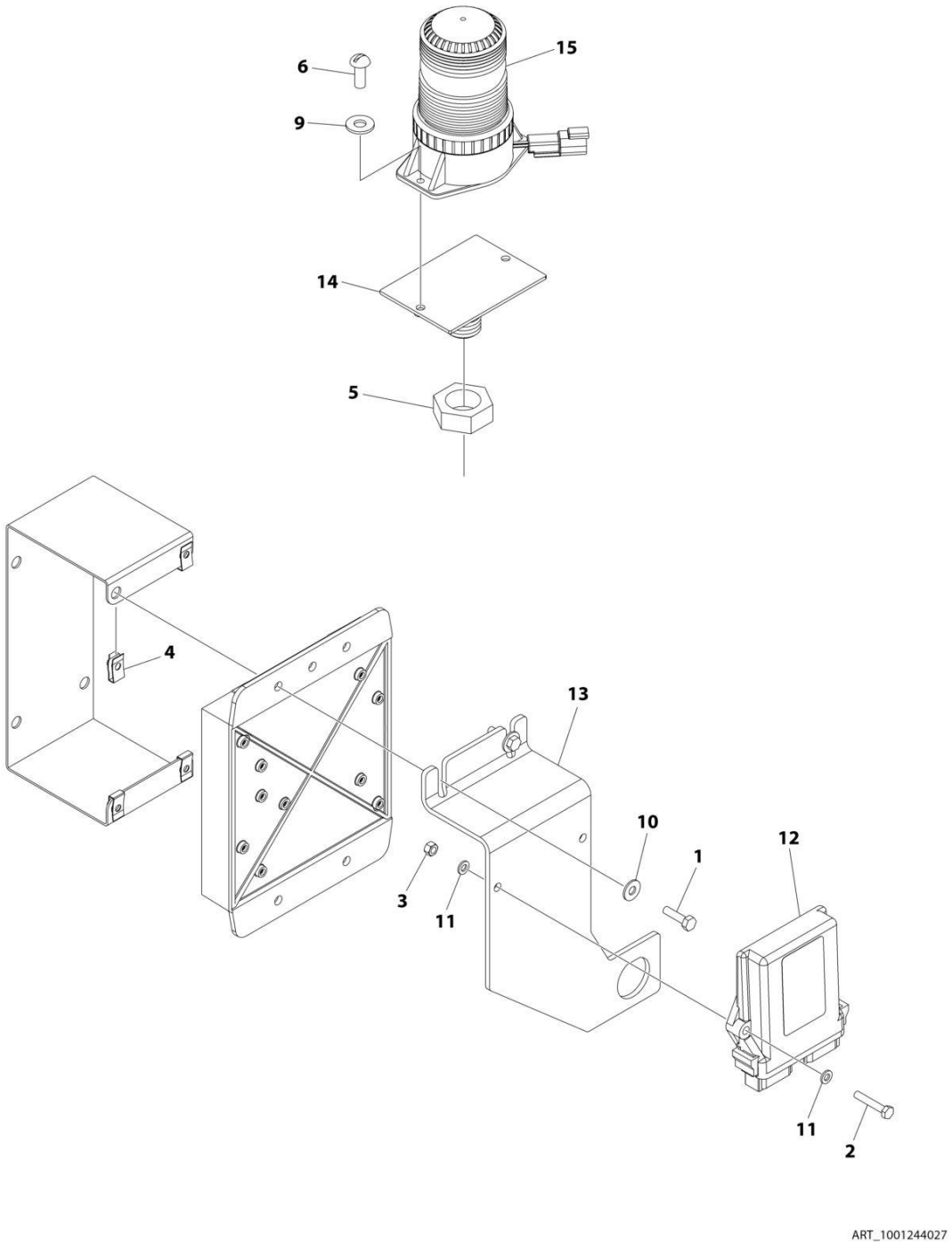


FIGURE 2-40. STROBE LIGHT INSTALLATION (RED) (SN 0300256997 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244027	Ref	STROBE LIGHT INSTALLATION (RED)	A
1	0641408	2	Bolt 1/4 x 1	
2	0700615	2	Bolt M6 x 35	
3	3290607	2	Nut M6 x 1	
4	3300454	2	Nut	
5	3312602	1	Nut 1	
6	3900085	2	Screw 10 x 1/2	
7	4240032	AR	Tie-Strap (Not Shown)	
8	4460488	AR	Mounting Base (Not Shown)	
9	4751000	2	Washer #10	
10	4751400	2	Washer 1/4	
11	4811700	4	Washer M6	
12	1001142683	1	Module, Control Beacon	
13	1001142719	1	Bracket	
14	1001149994	1	Mount, Beacon	
15	1001207004	1	Light, Strobe	
15	7028909	1	Connector - 2 Position	
15	4460943	2	Pin, Male	
16	1001142736	1	Harness, Beacon Control (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 2-41. PINION SHIELD INSTALLATION

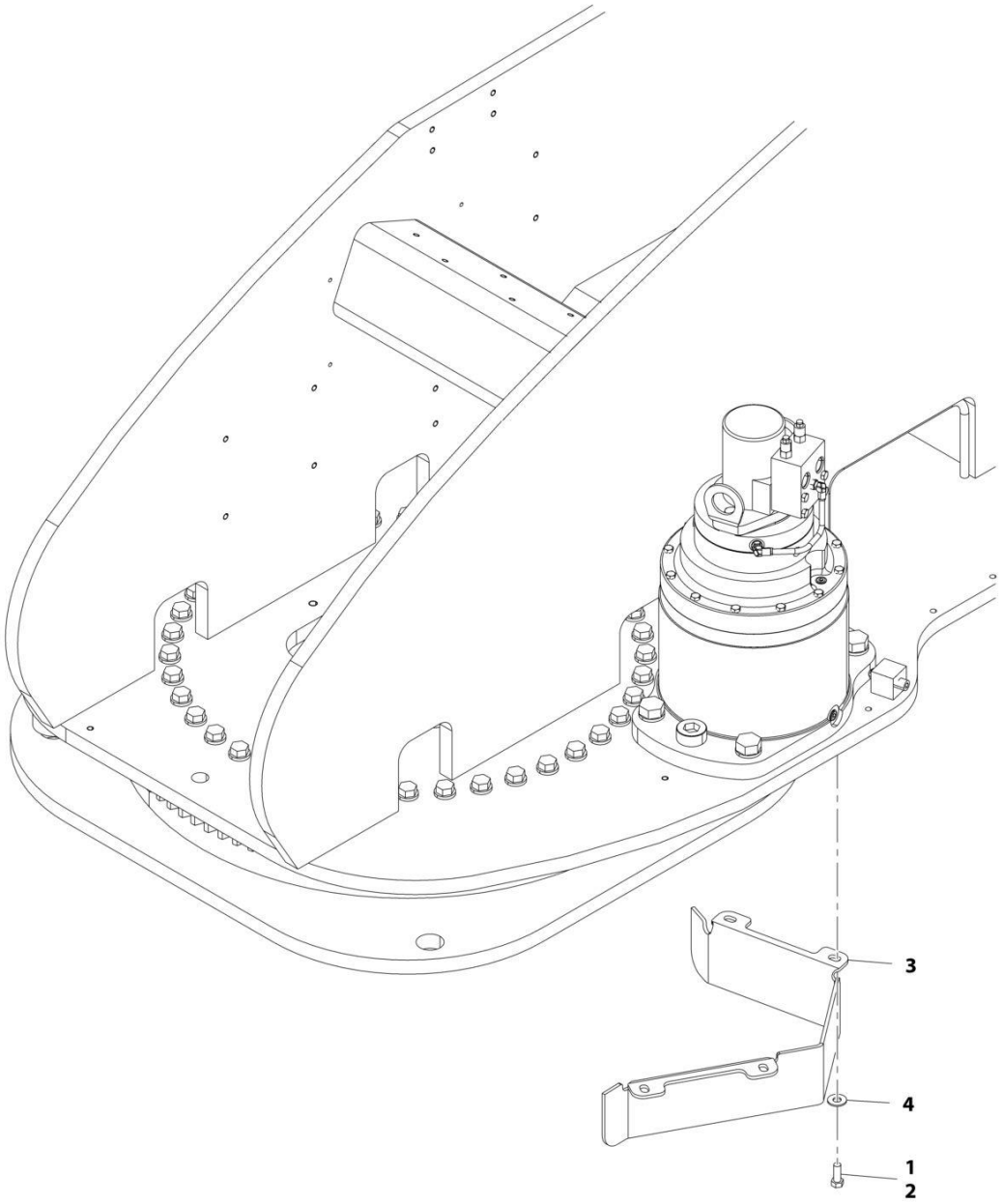


FIGURE 2-41. PINION SHIELD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271874	Ref	PINION SHIELD INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641608	4	Bolt 3/8 x 1	
3	3573355	1	Plate, Pinion	
4	4751600	4	Washer 3/8	

FIGURE 2-42. ENGINE TRAY JACK INSTALLATION - DEUTZ TD2011 ENGINES

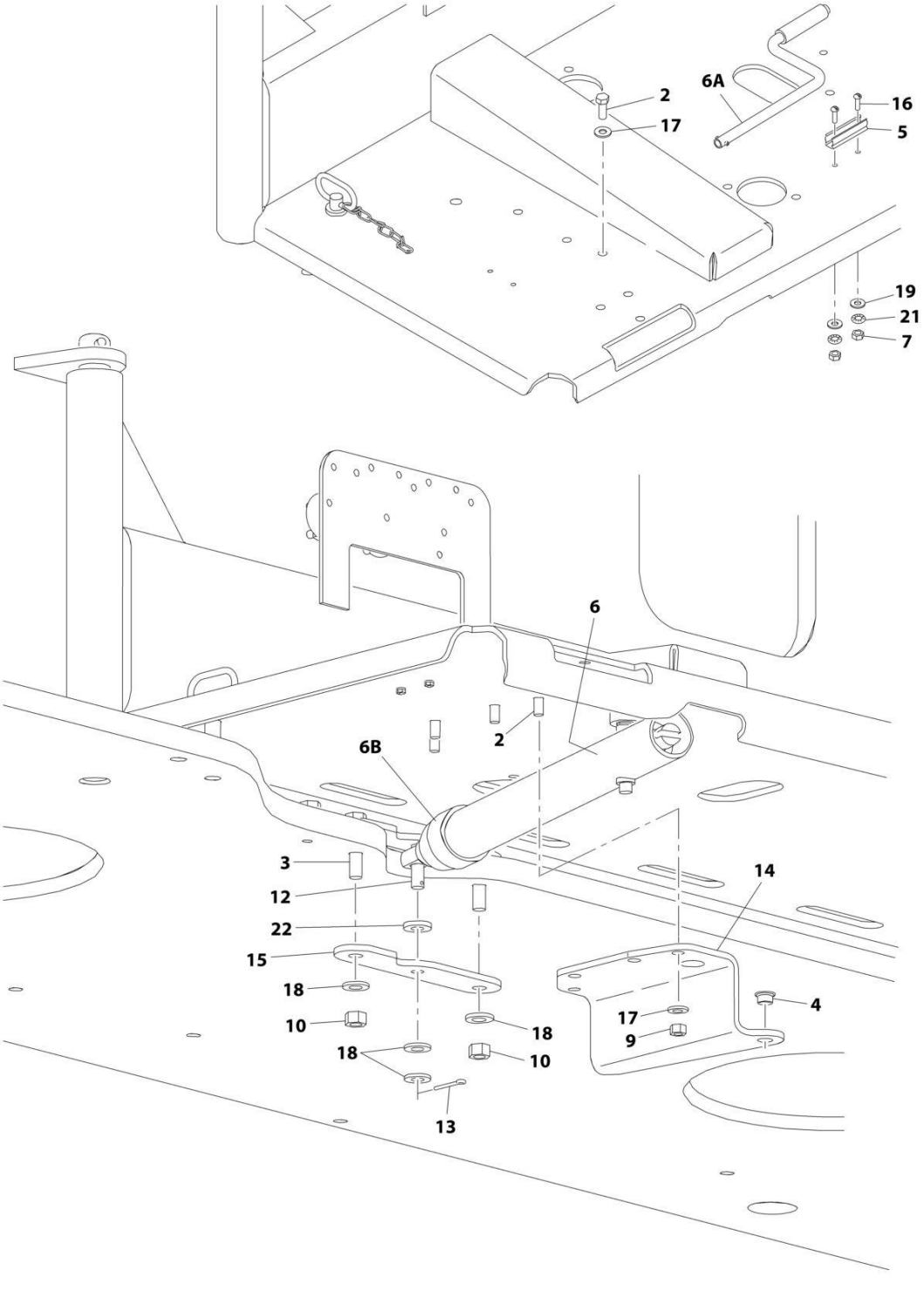


FIGURE 2-42. ENGINE TRAY JACK INSTALLATION - DEUTZ TD2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272064	Ref	ENGINE TRAY JACK INSTALLATION - DEUTZ TD2011 ENGINES	C
2	0641608	4	Bolt 3/8 x 1	
3	0641818	2	Bolt 1/2 x 2-1/4	
4	0962051	2	Bearing, Flanged	
5	1380147	1	Clip, Spring	
6	2840016	1	Jack and Handle Assembly	
6A		Ref	Handle Options:	
6A	7016374	1	Burr Manufacturing Brand (identified by 4 handle offset)	
6A	7024598	1	Hammerblow Corp Brand (identified by 4-1/2 handle offset)	
6B	7016322	1	Wiper (Burr Manufacturing Brand Only)	
7	3310601	2	Nut #6	
9	3311605	4	Nut 3/8	
10	3311805	2	Nut 1/2	
12	3430816	1	Pin, Clevis	
13	3450404	1	Pin, Cotter 1/8 x 1	
14	3537445	1	Bracket	
15	3573454	2	Bracket	
16	3910608	2	Screw #6 x 1/2	
17	4711600	8	Washer 3/8	
18	4711800	4	Washer 1/2	
19	4750600	2	Washer #6	
21	4770600	2	Washer #6	
22	4891800	1	Washer 1/2	

FIGURE 2-43. ENGINE TRAY JACK INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

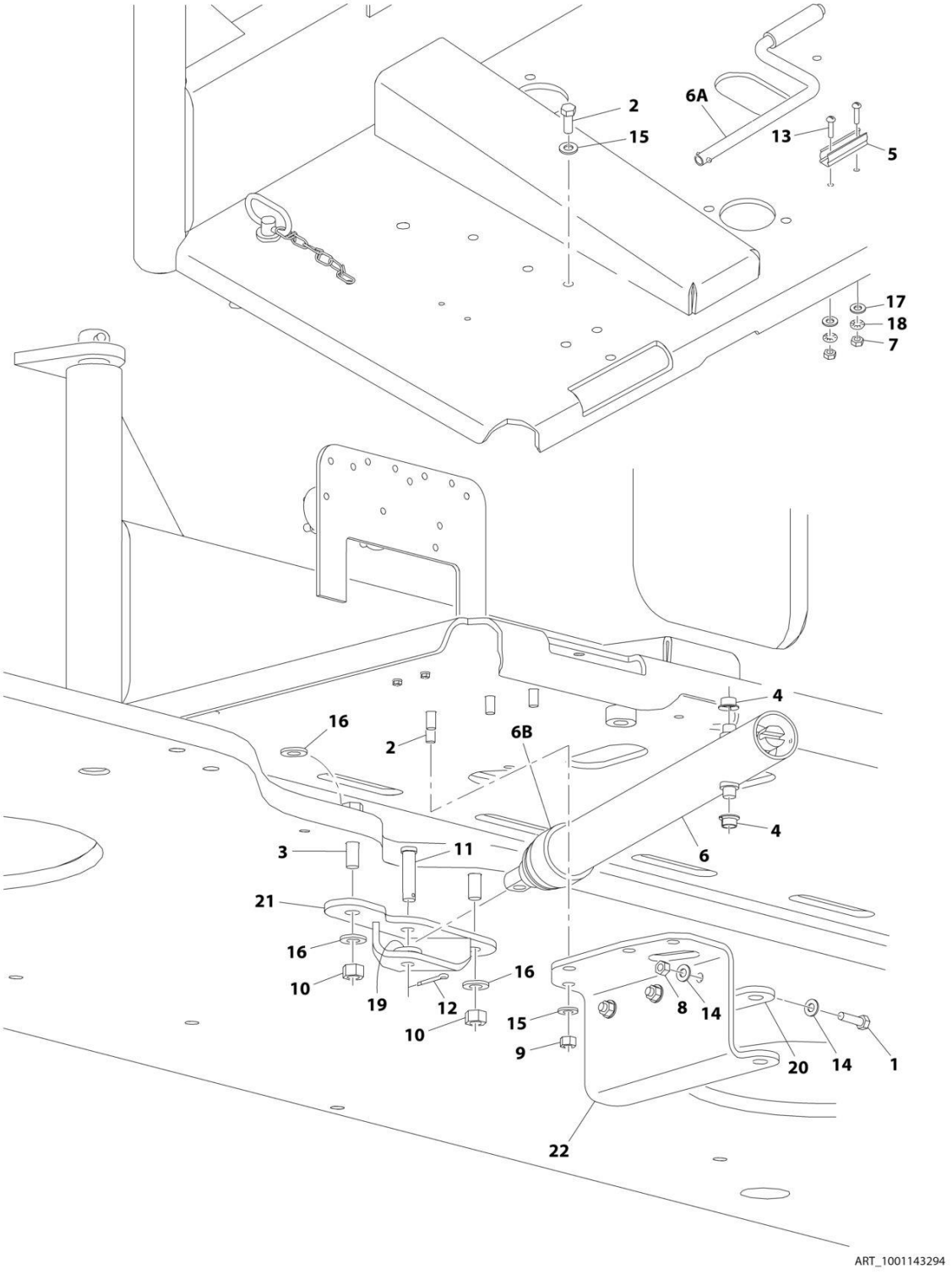
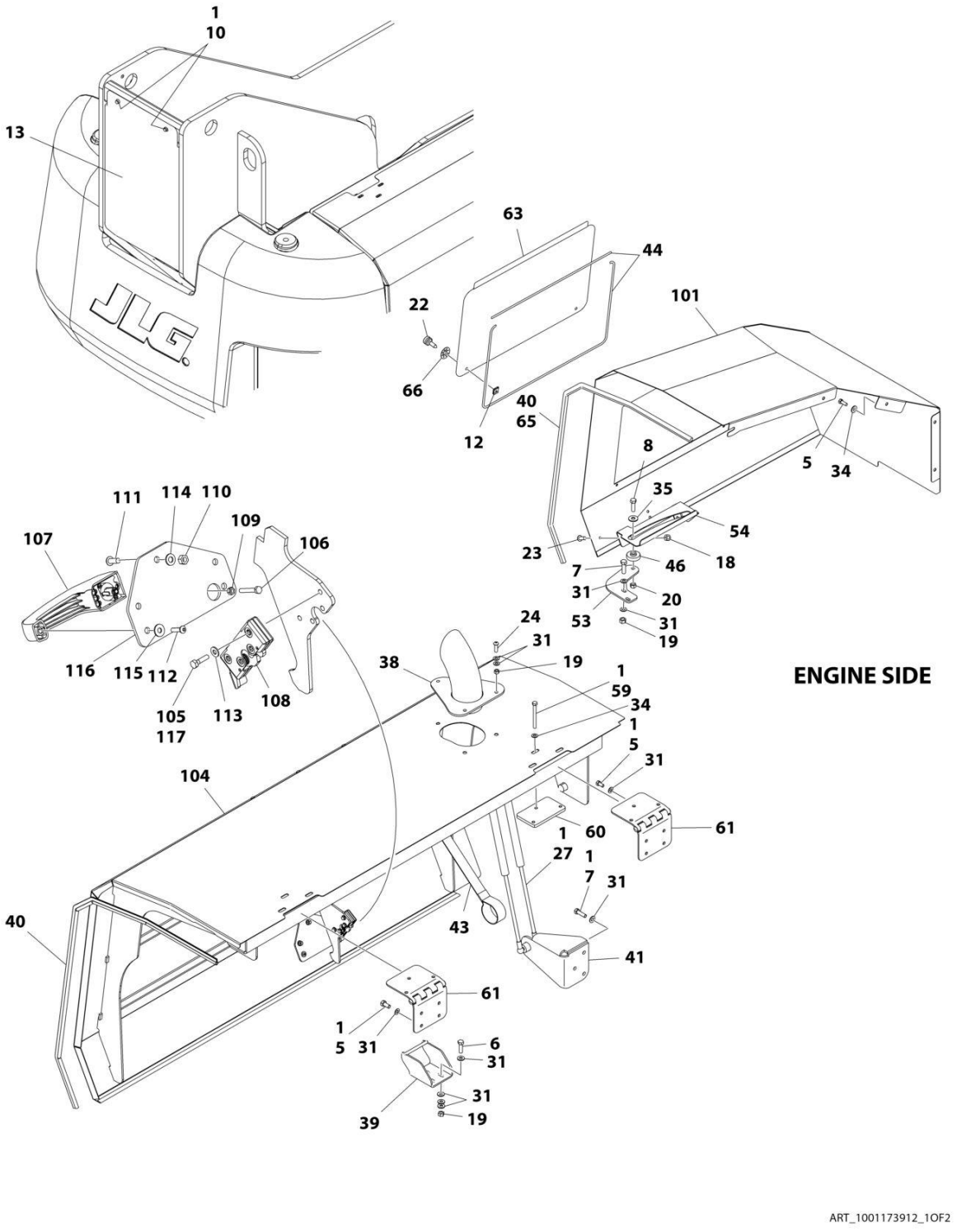


FIGURE 2-43. ENGINE TRAY JACK INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001143294	Ref	ENGINE TRAY JACK INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES	A
1	0641509	3	Bolt 5/16 x 1-1/8	
2	0641608	4	Bolt 3/8 x 1	
3	0641816	2	Bolt 1/2 x 2	
4	0962051	2	Bearing, Flanged	
5	1380147	1	Clip, Spring	
6	2840016	1	Jack and Handle Assembly	
6A		Ref	Handle Options:	
6A	7016374	1	Burr Manufacturing Brand (identified by 4 handle offset)	
6A	7024598	1	Hammerblow Corp Brand (identified by 4-1/2 handle offset)	
6B	7016322	1	Wiper (Burr Manufacturing Brand Only)	
7	3310601	2	Nut #6	
8	3311505	3	Nut 5/16	
9	3311605	4	Nut 3/8	
10	3311805	2	Nut 1/2	
11	3430816	1	Pin, Clevis	
12	3450404	1	Pin, Cotter 1/8 x 1	
13	3910608	2	Screw #6 x 1/2	
14	4711500	6	Washer 5/16	
15	4711600	8	Washer 3/8	
16	4711800	4	Washer 1/2	
17	4750600	2	Washer #6	
18	4770600	2	Washer #6	
19	4891800	1	Washer 1/2	
20	1001131482	1	Plate, Jack Bracket	
21	1001135663	1	Support, Engine Tray Jack	
22	1001143298	1	Plate, Jack Bracket	

FIGURE 2-44. HOOD INSTALLATION - DEUTZ TD2011 ENGINES



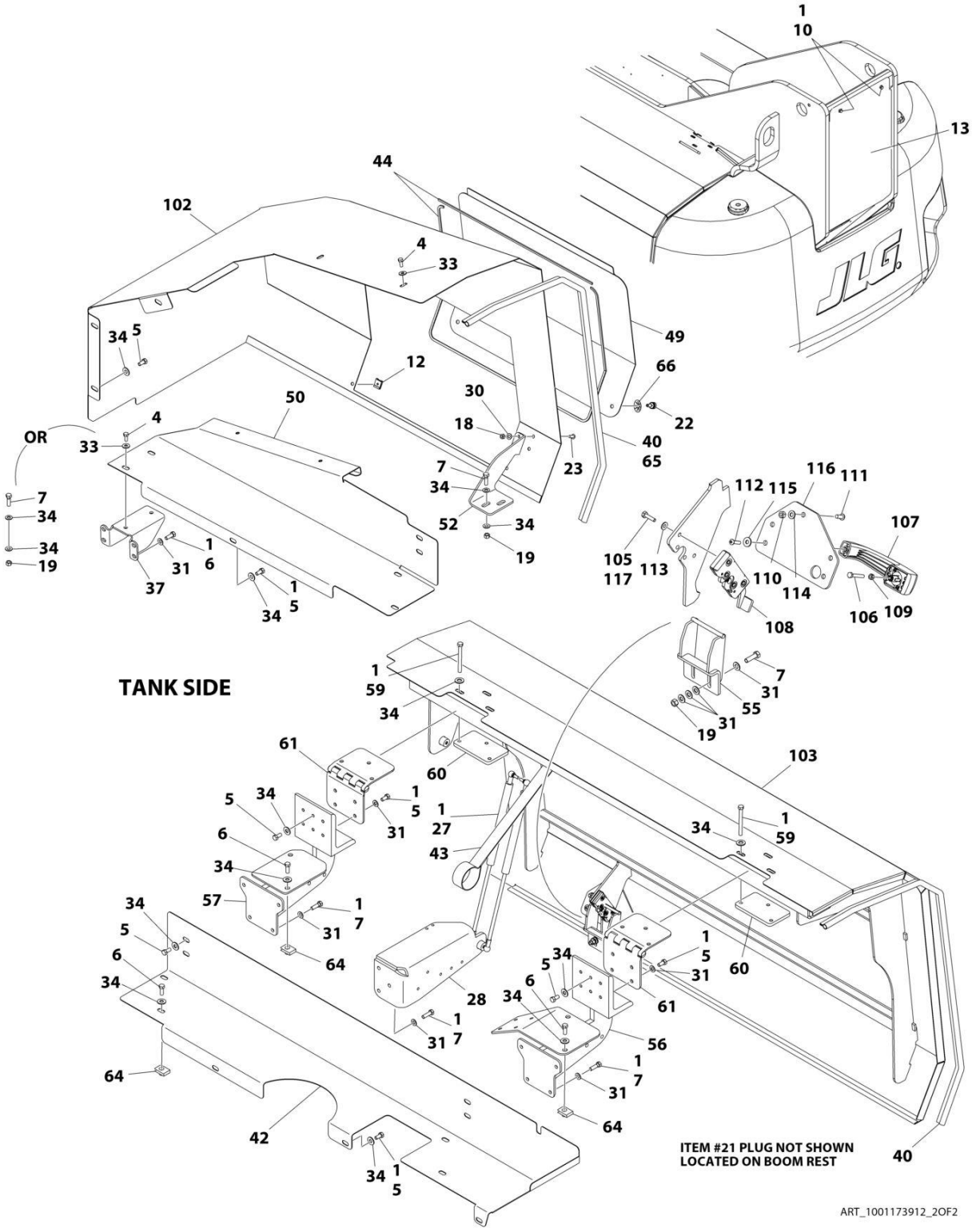
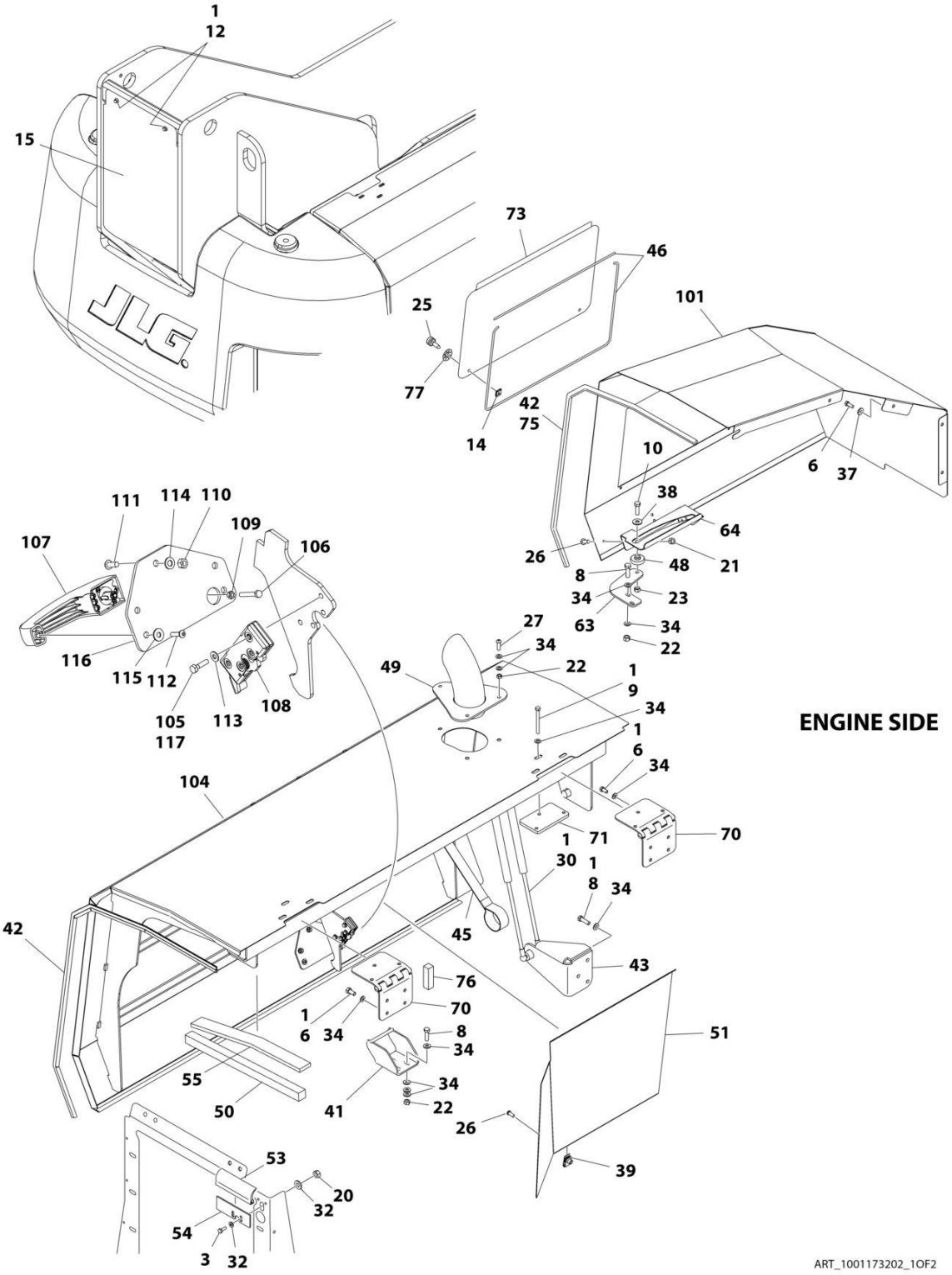

TANK SIDE
OR
ITEM #21 PLUG NOT SHOWN
LOCATED ON BOOM REST
ART_1001173912_2OF2

FIGURE 2-44. HOOD INSTALLATION - DEUTZ TD2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173912	Ref	HOOD INSTALLATION - DEUTZ TD2011 ENGINES	H
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0100011	AR	Compound, Locking	
4	0641506	AR	Bolt 5/16 x 3/4	
5	0641606	32	Bolt 3/8 x 3/4	
6	0641608	8	Bolt 3/8 x 1	
7	0641610	AR	Bolt 3/8 x 1-1/4	
8	0641813	1	Bolt 1/2 x 1-5/8	
10	0791604	2	Screw 3/8 x 1/2	
12	1380169	4	Clip	
13	1671038	1	Cover	
18	3311505	5	Nut 5/16	
19	3311605	AR	Nut 3/8	
20	3311805	1	Nut 1/2	
21	3520034	2	Plug, Hole	
22	3900174	4	Screw, Thumb	
23	3900210	5	Screw 5/16 x 3/4	
24	3900232	3	Screw 3/8 x 1-1/4	
27	4160194	4	Spring, Gas	
28	4340999	1	Mount, Gas Spring	
30	4711500	2	Washer 5/16	
31	4711600	64	Washer 3/8	
33	4751500	AR	Washer 5/16	
34	4751600	AR	Washer 3/8	
35	4751800	1	Washer 1/2	
37	1001109759	1	Support, Power Track Trough **(SN 0300209000 through 0300225823)**	
37	3573232	1	Support, Power Track Trough **(SN 0300225824 through 0300272505)**	
38	1001110027	1	Stack, Exhaust	
39	1001110194	1	Bracket, Striker	
40	1001110433	9 ft/ 2.9m	Seal	
41	1001110486	1	Mount, Gas Spring	
42	1001175859	1	Plate, Power Track Trough	
43	1001112691	2	Strap, Hand Pull	
44	1001113047	14.5 ft/ 4.4mm	Seal	
46	1001131462	1	Pad, Hood Slide	
49	1001173166	1	Cover, Access (Tank Side)	
50	1001173170	1	Plate, Power Track Trough	
52	1001173185	1	Plate, Mounting	
53	1001173186	1	Bracket, Engine Tray	
54	1001173187	1	Bracket, Engine Tray	
55	1001173188	1	Bracket, Hood Latch	
56	1001173647	1	Support, Front Hood	
57	1001173651	1	Support, Front Hood	
59	0641630	12	Bolt 3/8 x 3-3/4	
60	1001175880	4	Plate	
61	1001175879	4	Hinge, Offset Hood	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
63	1001180051	1	Cover, Access (Engine Side)	
64	88662523	4	Nut, Tinnerman	
65	3960447	9.8 ft/ 3.0m	Seal	
66	3760308	4	Retainer **(SN 0300243066 through 0300272505)**	
100	1001175250	1	Kit, Hood	
101	1001173163	1	Hood, Engine Side - Rear	
102	1001173164	1	Hood, Tank Side - Rear	
103	1001173183	1	Hood, Tank Side - Front	
104	1001174331	1	Hood, Engine Side - Front	
105	0641408	8	Bolt 1/4 x 1	
106	0700616	2	Bolt M6 x 40	
107	2560187	2	Handle, Push Button	
108	2940173	2	Latch, Rotary	
109	3290601	2	Nut M6	
110	3311505	6	Nut 5/16	
111	3900210	6	Screw 5/16 x 3/4	
112	3900363	4	Screw M6 x 1 x 25	
113	4711400	8	Washer 1/4	
114	4711500	6	Washer 5/16	
115	4751400	4	Washer 1/4	
116	1001116290	2	Plate, Latch Mounting	
117	0100011	AR	Compound, Locking	

FIGURE 2-45. HOOD INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES



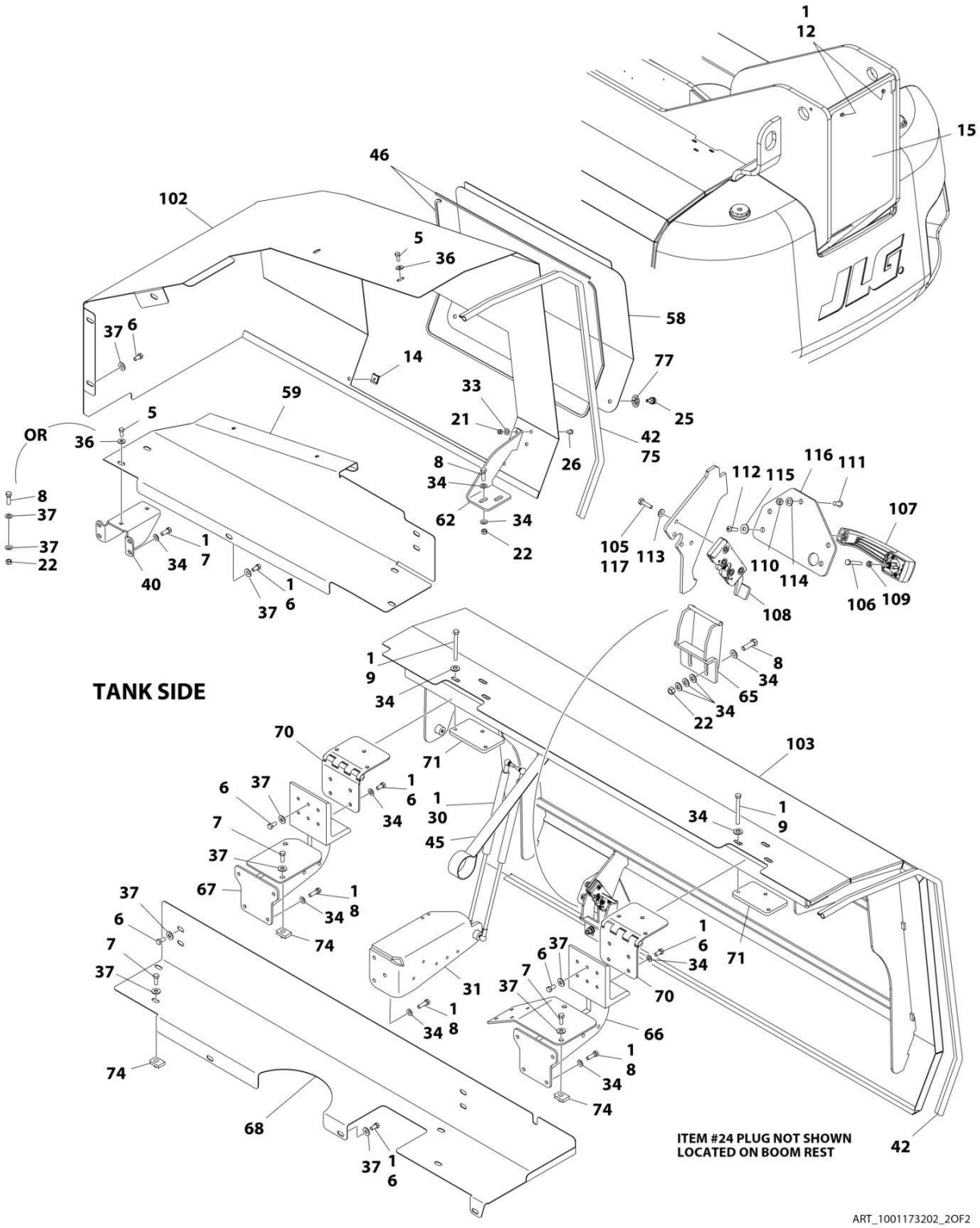

TANK SIDE
OR
ITEM #24 PLUG NOT SHOWN
LOCATED ON BOOM REST
ART_1001173202_2OF2

FIGURE 2-45. HOOD INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173202	Ref	HOOD INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES	I
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0100011	AR	Compound, Locking	
3	0641406	2	Bolt 1/4 x 3/4	
5	0641506	AR	Bolt 5/16 x 3/4	
6	0641606	32	Bolt 3/8 x 3/4	
7	0641608	8	Bolt 3/8 x 1	
8	0641610	AR	Bolt 3/8 x 1-1/4	
9	0641630	12	Bolt 3/8 x 3-3/4	
10	0641813	1	Bolt 1/2 x 1-5/8	
12	0791604	2	Screw 3/8 x 1/2	
14	1380169	4	Clip	
15	1671038	1	Cover	
20	3311405	2	Nut 1/4	
21	3311505	5	Nut 5/16	
22	3311605	AR	Nut 3/8	
23	3311805	1	Nut 1/2	
24	3520034	2	Plug, Hole	
25	3900174	4	Screw, Thumb	
26	3900210	10	Screw 5/16 x 3/4	
27	3900232	3	Screw 3/8 x 1-1/4	
30	4160194	4	Spring, Gas	
31	4340999	1	Mount, Gas Spring	
32	4711400	4	Washer 1/4	
33	4711500	2	Washer 5/16	
34	4711600	82	Washer 3/8	
36	4751500	AR	Washer 5/16	
37	4751600	AR	Washer 3/8	
38	4751800	1	Washer 1/2	
39	8310658	5	Nut, Retainer .312 x 1	
40	1001109759	1	Support, Power Track Trough **(SN 0300209000 through 0300225823)**	
40	3573232	1	Support, Power Track Trough **(SN 0300225824 through 0300272505)**	
41	1001110194	1	Bracket, Striker	
42	1001110433	9 ft/ 2.9m	Seal	
43	1001110486	1	Mount, Gas Spring	
45	1001112691	2	Strap, Hand Pull	
46	1001113047	14.5 ft/ 4.4mm	Seal	
48	1001131462	1	Pad, Hood Slide	
49	1001139778	1	Stack, Exhaust	
50	1001140485	1	Seal	
51	1001145162	1	Panel, Heat Deflector	
53	1001146178	1	Seal	
54	1001146183	1	Plate	
55	1001146244	1	Seal	
58	1001173166	1	Cover, Access (Tank Side)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
59	1001173170	1	Plate, Power Track Trough	
62	1001173185	1	Plate, Mounting	
63	1001173186	1	Bracket, Engine Tray	
64	1001173187	1	Bracket, Engine Tray	
65	1001173188	1	Bracket, Hood Latch	
66	1001173647	1	Support, Front Hood	
67	1001173651	1	Support, Front Hood	
68	1001175859	1	Plate, Power Track Trough	
70	1001175879	4	Hinge, Offset Hood	
71	1001175880	4	Plate	
73	1001180051	1	Cover, Access (Engine Side)	
74	88662523	4	Nut, Tinnerman	
75	3960447	9.8 ft/ 3.0m	Seal	
76	1001146132	1	Seal **(SN 0300219197 through 0300272505)**	
77	3760308	4	Retainer **(SN 0300243066 through 0300272505)**	
100	1001175237	1	Kit, Hood	
101	1001173163	1	Hood, Engine Side - Rear	
102	1001173164	1	Hood, Tank Side - Rear	
103	1001173183	1	Hood, Tank Side - Front	
104	1001173184	1	Hood, Engine Side - Front	
105	0641408	8	Bolt 1/4 x 1	
106	0700616	2	Bolt M6 x 40	
107	2560187	2	Handle, Push Button	
108	2940173	2	Latch, Rotary	
109	3290601	2	Nut M6	
110	3311505	6	Nut 5/16	
111	3900210	6	Screw 5/16 x 3/4	
112	3900363	4	Screw M6 x 1 x 25	
113	4711400	8	Washer 1/4	
114	4711500	6	Washer 5/16	
115	4751400	4	Washer 1/4	
116	1001116290	2	Plate, Latch Mounting	
117	0100011	1	Compound, Locking	

SECTION 3 - ENGINE

FIGURE 3-1. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

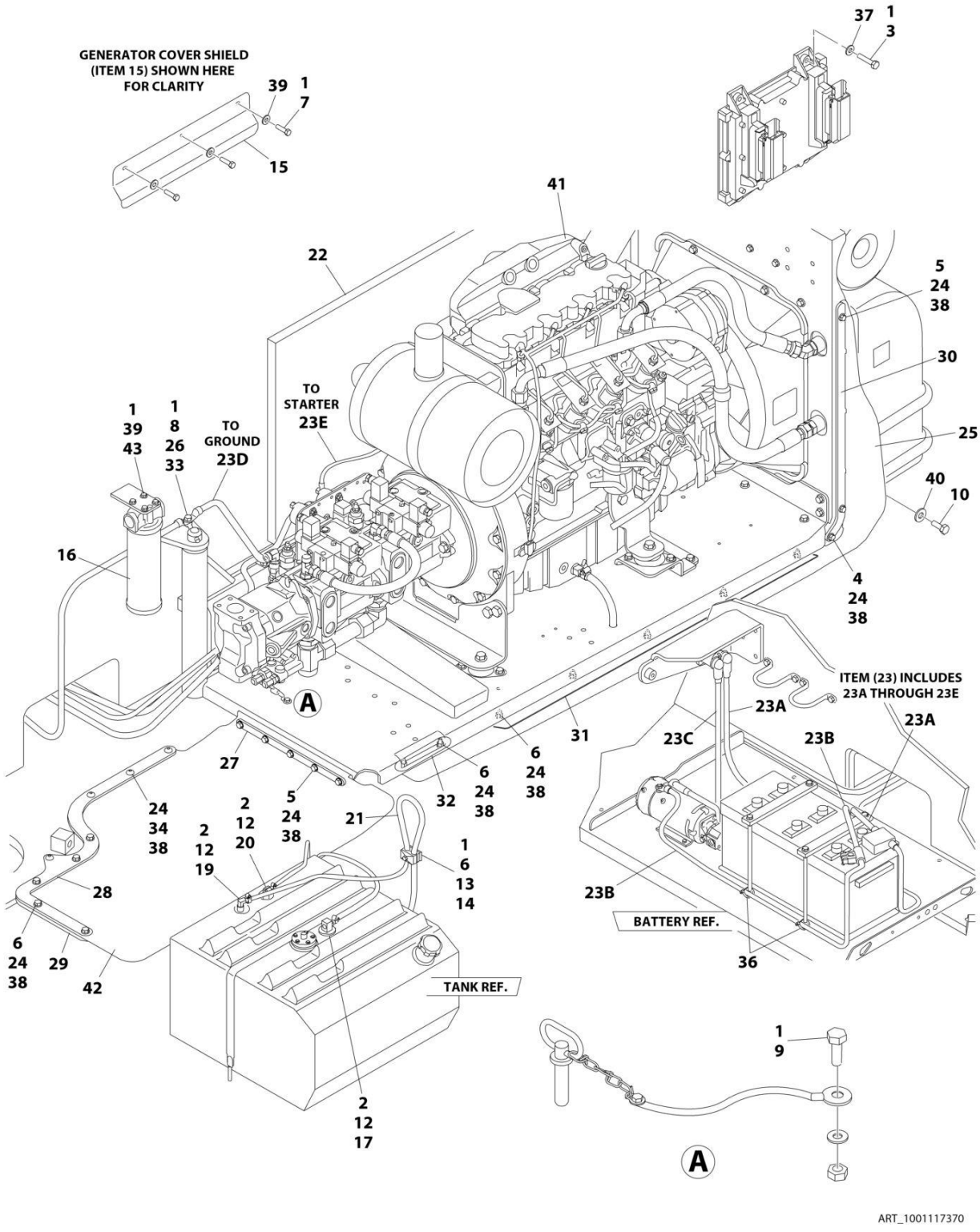


FIGURE 3-1. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117370	Ref	DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)	D
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
3	0641410	4	Bolt 1/4 x 1-1/4	
4	0641506	1	Bolt 5/16 x 3/4	
5	0641509	7	Bolt 5/16 x 1-1/8	
6	0641511	13	Bolt 5/16 x 1-3/8	
7	0641605	3	Bolt 3/8 x 5/8	
8	0641610	1	Bolt 3/8 x 1-1/4	
9	0641808	1	Bolt 1/2 x 1	
10	0642010	1	Bolt 5/8 x 1-1/4	
12	1320022	3	Clamp	
13	1320187	1	Clamp	
14	1320190	1	Clamp, Cover Plate	
15	1671121	1	Cover, Generator	
16	1001108617	1	Filter, Hydraulic	
16	70002231	1	Element, Filter	
17	2180348	1	Fitting, Straight Barbed	
18	2200222	1	Plug (Not Shown - Located in Bottom of Fuel Tank) **(SN 0300209000 through 0300237553)**	
19	2220313	1	Fitting, 90 Barbed	
20	2221176	1	Fitting, 90 Barbed	
21	2750532	5 ft/ 1.5m	Hose	
22	2820170	1	Insulation	
23	2902099	1	Battery Cable Kit	D
23A	7024580	1	Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay)	
23B	7024581	1	Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot)	
23C	7024582	1	Cable, Red (Aux Pump Relay to Aux Pump)	
23D	7024583	1	Cable, Black (Tray Pivot to Engine Mount)	
23E	7024584	1	Cable, Red (Start Relay to Starter)	
24	3311505	24	Nut 5/16	
25	3380473	1	Panel, Rubber	
26	3422446	1	Pin	
27	3573644	1	Plate, Tray Clamp	
28	1001112878	1	Plate, Top Clamp	
29	1001112879	1	Plate, Bottom Clamp	
30	3573669	1	Plate, Clamp	
31	1001112880	1	Plate, Tray Clamp	
32	3573728	1	Plate, Tray Clamp	
33	3841143	1	Keeper, Pin	
34	3900272	4	Screw 5/16 x 1-3/4	
35	4240018	2	Tie-Strap (Not Shown)	
36	4240099	AR	Tie-Strap	
37	4711400	4	Washer 1/4	
38	4711500	44	Washer 5/16	
39	4711600	7	Washer 3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	4752000	1	Washer 5/8	
41	1001098513	1	Deutz TD2011 Engine Assembly (See DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) for Breakdown)	
42	1001111132	1	Panel, Rubber	
43	0641606	4	Bolt 3/8 x 3/4	

FIGURE 3-2. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

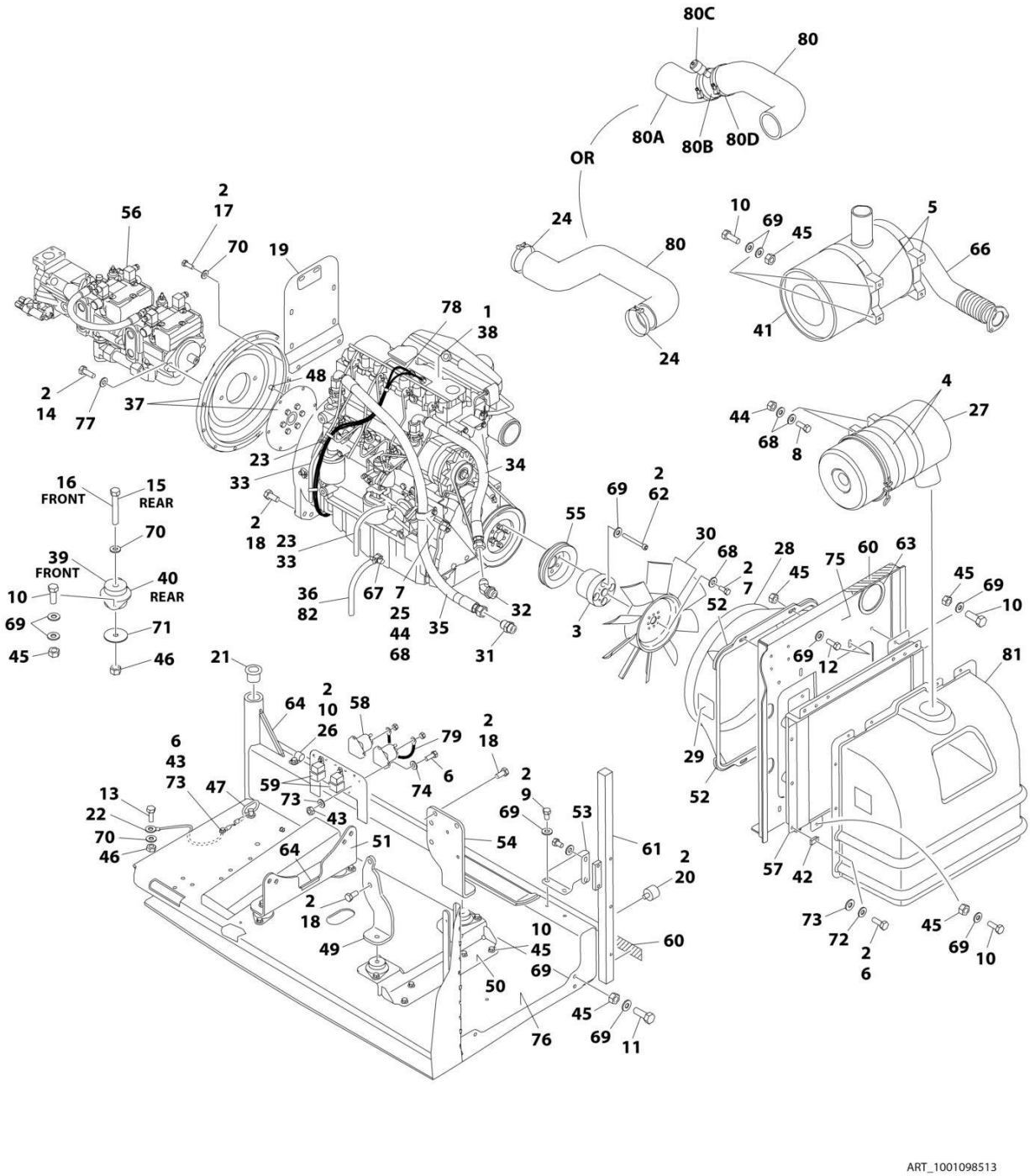


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FIGURE 3-2. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098513	Ref	DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)	H
1	1001098601	1	Engine Components - Deutz TD2011 (See ENGINE COMPONENTS - DEUTZ TD2011 ENGINE for Breakdown)	
2	0100011	AR	Compound, Locking	
3	0080237	1	Spacer, Fan	
4	0340003	2	Band, Air Cleaner	
5	0340051	2	Band, Muffler	
6	0641406	15	Bolt 1/4 x 3/4	
7	0641506	5	Bolt 5/16 x 3/4	
8	0641507	4	Bolt 5/16 x 7/8	
9	0641605	4	Bolt 3/8 x 5/8	
10	0641608	25	Bolt 3/8 x 1	
11	0641609	2	Bolt 3/8 x 1-1/8	
12	0641610	4	Bolt 3/8 x 1-1/4	
13	0641808	1	Bolt 1/2 x 1	
14	0641812	2	Bolt 1/2 x 1-1/2	
15	0641818	2	Bolt 1/2 x 2-1/4	
16	0641826	2	Bolt 1/2 x 3-1/4	
17	0711214	2	Bolt M12 x 30	
18	0771414	10	Bolt M14 x 30	
19	1001112766	1	Bracket, Muffler	
20	0940070	1	Bumper	
21	0961986	2	Bushing, Flanged	
22	1001131542	1	Lanyard	
23	1320022	3	Clamp	
24	1320058	2	Clamp	
25	1320060	1	Clamp	
26	1320223	1	J-Clip	
27	1340065	1	Air Cleaner Assembly	
27	7003655	1	Element, Air Cleaner	
28	1671023	1	Shroud, Fan	
29	1703162	2	Decal - Fan Blade	
30	2060025	1	Fan	
31	2220451	1	Fitting, Straight	
32	2220498	1	Fitting, 45	
33	2720058	34 ft/ 10.3m	Hose	
34	2720500	1	Hose, Oil Cooler (Top)	
35	2720501	1	Hose, Oil Cooler (Bottom)	
36	2750532	9 in/ 23cm	Hose	
37	2902065	1	Pump Coupling Kit (See PUMP COUPLING KIT for Breakdown)	
38	3020016	33 gl/ 12.3L	Oil, Engine 15W-40	
39	3200362	2	Mount, Motor (Front)	
40	3200401	2	Mount, Motor (Rear)	
41		Ref	Muffler Options:	
41	3220126	1	Standard Muffler	
41	3220130	1	Optional Catalytic Muffler	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	70001017	1	Clamp (Used on p/n 3220130)	
42	3300454	10	Nut	
43	3311405	5	Nut 1/4	
44	3311505	5	Nut 5/16	
45	3311605	30	Nut 3/8	
46	3311805	5	Nut 1/2	
47	3422532	1	Pin, Hitch	
48	3520054	2	Plug, Hole	
49	3537416	1	Plate, Mounting (Front Right)	
50	3539971	1	Bracket, Engine Mounting (Front)	
51	3573142	1	Bracket, Engine Mounting (Rear)	
52	3573411	2	Plate, Clamp	
53	3573412	1	Plate, Gusset	
54	3573529	1	Plate, Mounting (Front Left)	
55	3580158	1	Pulley	
56	3600339	1	Pump Assembly (Rexroth) (See PUMP ASSEMBLY (REXROTH) (DEUTZ TD2011 ENGINES) for Breakdown)	
57	1001145382	1	Cooler, Engine Oil	
58	3740067	2	Relay	
59	3740080	2	Relay	
60	3960543	1	Seal	
61	3960544	1	Seal	
62	4032022	4	Capscrew M10 x 90	
63	4060804	12 in/ 30cm	Flex-Trim	
64	4060805	8 in/ 20cm	Flex-Trim	
65	4240099	AR	Tie, Wire (Not Shown)	
66	4568293	1	Pipe, Exhaust	
67	4640751	1	Valve, Oil Drain	
68	4711500	13	Washer 5/16	
69	4711600	68	Washer 3/8	
70	4711800	7	Washer 1/2	
71	4740274	4	Washer, Snubbing	
72	4740518	10	Washer, Nylon	
73	4751400	20	Washer 1/4	
74	4791400	4	Starwasher 1/4	
75	4846552	1	Plate, Oil Cooler Mounting	
76	4846946	1	Tray	
77	4891800	2	Washer 1/2	
78	4923468	1	Harness, Glow Plugs	
79	4923592	1	Harness, Cable, Jumper	
80	1001092856	1	Hose, Turbo **(SN 0300209000 through 0300234293)**	
80	1001225118	1	Hose, Turbo **(SN 0300234294 through 0300272505)**	
80A	1001151284	1	Hose	
80B	1001149740	1	Pipe	
80C	1001149639	1	Indicator	
80D	1320058	2	Clamp	
81	0272060	1	Box, Air Intake	
82	8410013	1	Clamp	

FIGURE 3-3. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

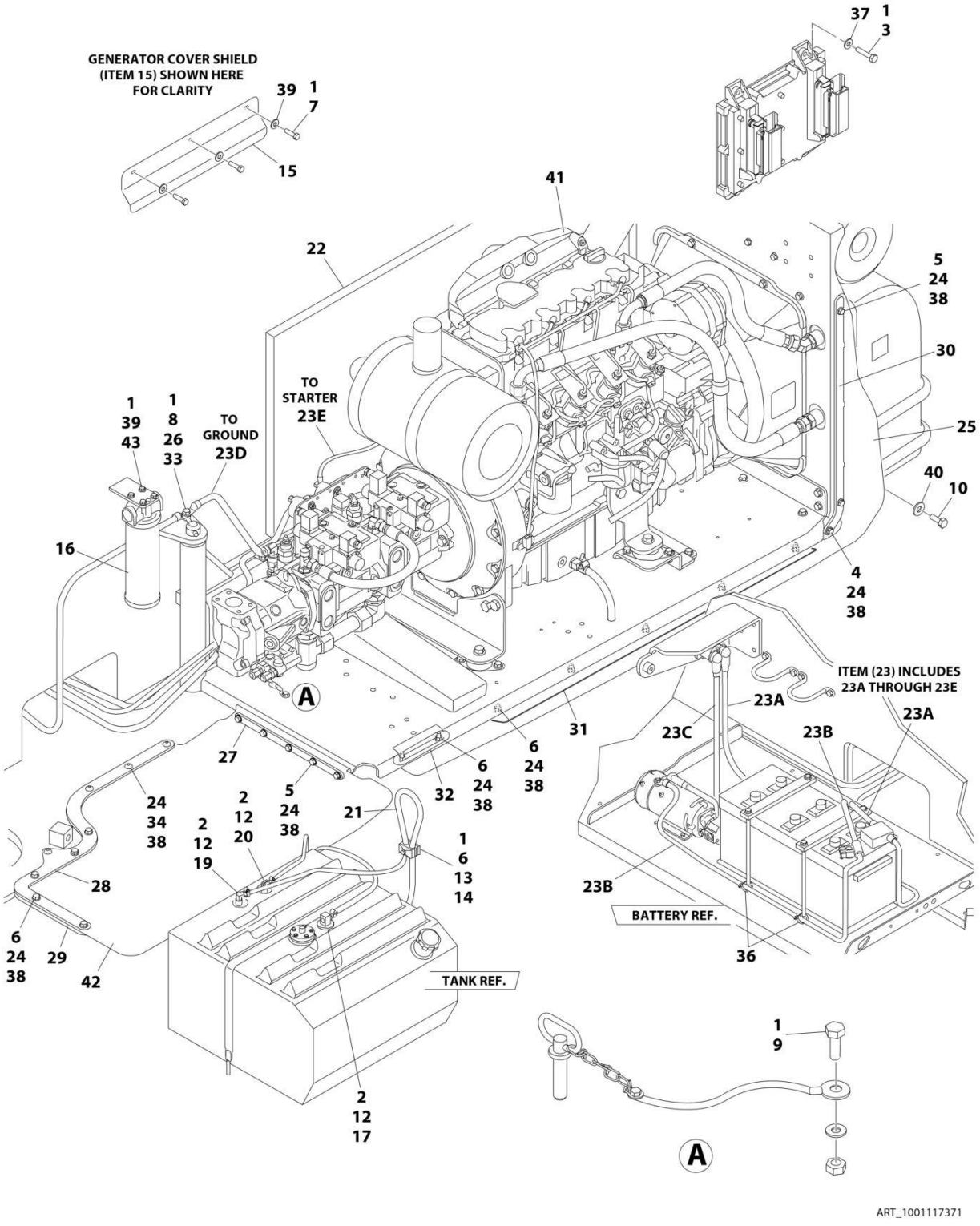

FIGURE 3-3. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117371	Ref	DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)	D
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
3	0641410	4	Bolt 1/4 x 1-1/4	
4	0641506	1	Bolt 5/16 x 3/4	
5	0641509	7	Bolt 5/16 x 1-1/8	
6	0641511	13	Bolt 5/16 x 1-3/8	
7	0641605	3	Bolt 3/8 x 5/8	
8	0641610	1	Bolt 3/8 x 1-1/4	
9	0641808	1	Bolt 1/2 x 1	
10	0642010	1	Bolt 5/8 x 1-1/4	
12	1320022	3	Clamp	
13	1320187	1	Clamp	
14	1320190	1	Clamp, Cover Plate	
15	1671121	1	Cover, Generator	
16	1001108617	1	Filter, Hydraulic	
16	70002231	1	Element, Filter	
17	2180348	1	Fitting, Straight Barbed	
18	2200222	1	Plug (Not Shown - Located in Bottom of Fuel Tank) **(SN 0300209000 through 0300237553)**	
19	2220313	1	Fitting, 90 Barbed	
20	2221176	1	Fitting, 90 Barbed	
21	2750532	5 ft/ 1.5m	Hose	
22	2820170	1	Insulation	
23	2902099	1	Battery Cable Kit	D
23A	7024580	1	Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay)	
23B	7024581	1	Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot)	
23C	7024582	1	Cable, Red (Aux Pump Relay to Aux Pump)	
23D	7024583	1	Cable, Black (Tray Pivot to Engine Mount)	
23E	7024584	1	Cable, Red (Start Relay to Starter)	
24	3311505	24	Nut 5/16	
25	3380473	1	Panel, Rubber	
26	3422446	1	Pin	
27	3573644	1	Plate, Tray Clamp	
28	1001112878	1	Plate, Top Clamp	
29	1001112879	1	Plate, Bottom Clamp	
30	3573669	1	Plate, Clamp	
31	1001112880	1	Plate, Tray Clamp	
32	3573728	1	Plate, Tray Clamp	
33	3841143	1	Keeper, Pin	
34	3900272	4	Screw 5/16 x 1-3/4	
35	4240018	2	Tie-Strap (Not Shown)	
36	4240099	AR	Tie-Strap	
37	4711400	4	Washer 1/4	
38	4711500	44	Washer 5/16	
39	4711600	7	Washer 3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	4752000	1	Washer 5/8	
41	1001098530	1	Deutz TD2011 Engine Assembly (See DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) for Breakdown)	
42	1001111132	1	Panel, Rubber	
43	0641606	4	Bolt 3/8 x 3/4	

FIGURE 3-4. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

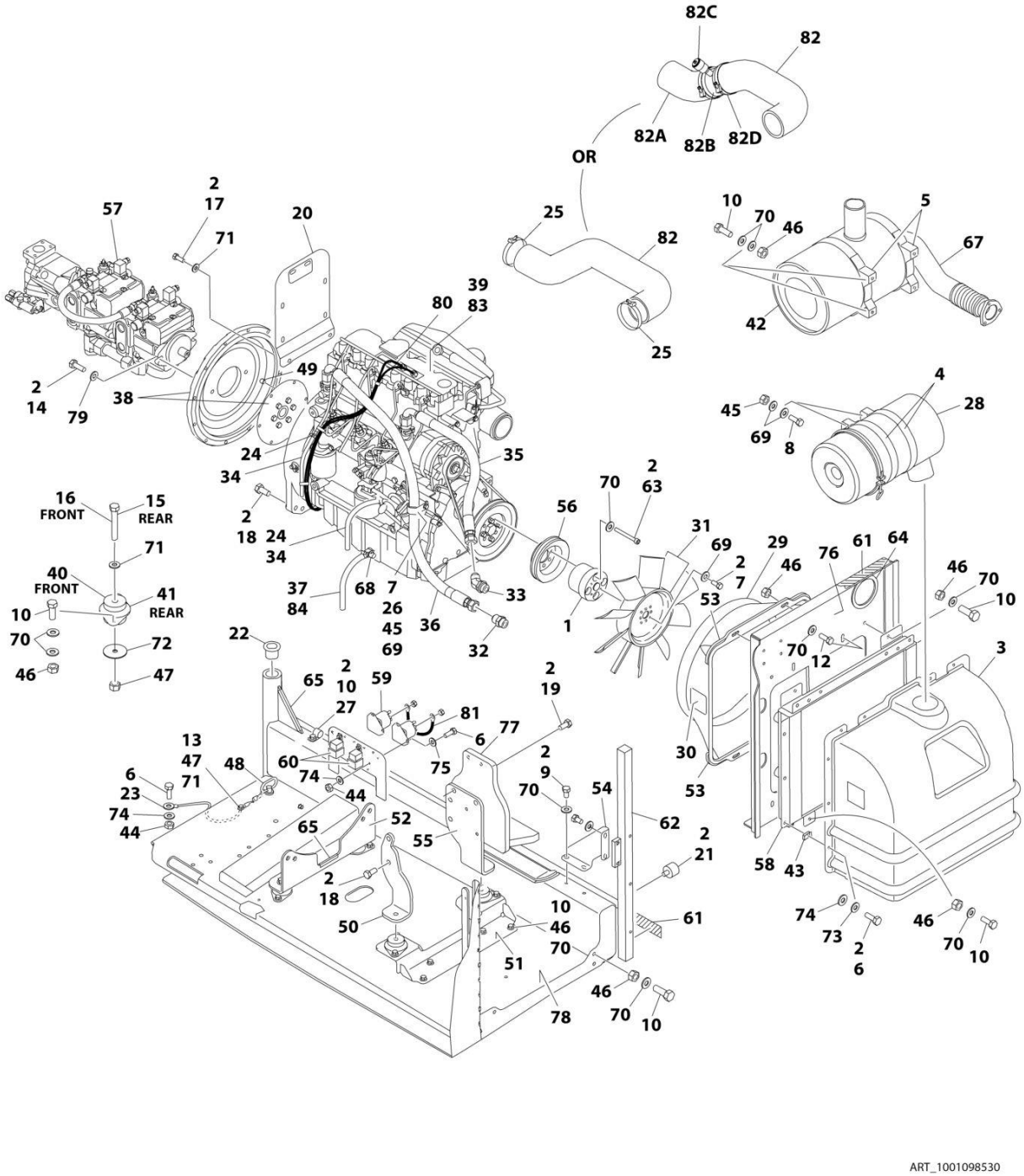

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FIGURE 3-4. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098530	Ref	DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)	I
1	0080244	1	Spacer, Fan	
2	0100011	AR	Compound, Locking	
3	0272060	1	Box, Air Intake	
4	0340003	2	Band, Air Cleaner	
5	0340051	2	Band, Muffler	
6	0641406	15	Bolt 1/4 x 3/4	
7	0641506	5	Bolt 5/16 x 3/4	
8	0641507	4	Bolt 5/16 x 7/8	
9	0641605	4	Bolt 3/8 x 5/8	
10	0641608	25	Bolt 3/8 x 1	
11	0641609	2	Bolt 3/8 x 1-1/8	
12	0641610	4	Bolt 3/8 x 1-1/4	
13	0641808	1	Bolt 1/2 x 1	
14	0641812	2	Bolt 1/2 x 1-1/2	
15	0641818	2	Bolt 1/2 x 2-1/4	
16	0641826	2	Bolt 1/2 x 3-1/4	
17	0711214	2	Bolt M12 x 30	
18	0771414	6	Bolt M14 x 30	
19	0711417	4	Bolt M14 x 45	
20	1001112766	1	Bracket, Muffler	
21	0940070	1	Bumper	
22	0961986	2	Bushing, Flanged	
23	1001131542	1	Lanyard	
24	1320022	2	Clamp	
25	1320058	2	Clamp	
26	1320060	1	Clamp	
27	1320223	1	J-Clip	
28	1340065	1	Air Cleaner Assembly	
28	7003655	1	Element, Air Cleaner	
29	1671023	1	Shroud, Fan	
30	1703162	2	Decal - Fan Blade	
31	2060025	1	Fan	
32	2220451	1	Fitting, Straight	
33	2220498	1	Fitting, 45	
34	2720058	34 ft/ 10.3m	Hose	
35	2720500	1	Hose, Oil Cooler (Top)	
36	2720501	1	Hose, Oil Cooler (Bottom)	
37	2750532	9 in/ 23cm	Hose	
38	2902065	1	Pump Coupling Kit (See PUMP COUPLING KIT for Breakdown)	
39	3020016	33 gl/ 12.3L	Oil, Engine 15W-40	
40	3200362	2	Mount, Motor (Front)	
41	3200401	2	Mount, Motor (Rear)	
42		Ref	Muffler Options:	
42	3220126	1	Standard Muffler	
42	3220130	1	Optional Catalytic Muffler	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	70001017	1	Clamp (Used on p/n 3220130)	
43	3300454	10	Nut	
44	3311405	5	Nut 1/4	
45	3311505	5	Nut 5/16	
46	3311605	30	Nut 3/8	
47	3311805	5	Nut 1/2	
48	3422532	1	Pin, Hitch	
49	3520054	2	Plug, Hole	
50	3537416	1	Plate, Mounting (Front Right)	
51	3539971	1	Bracket, Engine Mounting (Front)	
52	3573142	1	Bracket, Engine Mounting (Rear)	
53	3573411	2	Plate, Clamp	
54	3573412	1	Plate, Gusset	
55	3573529	1	Plate, Mounting (Front Left)	
56	3580320	1	Pulley	
57	3600339	1	Pump Assembly (Rexroth) (See PUMP ASSEMBLY (REXROTH) (DEUTZ TD2011 ENGINES) for Breakdown)	
58	1001145382	1	Cooler, Engine Oil	
59	3740067	2	Relay	
60	3740080	2	Relay	
61	3960543	1	Seal	
62	3960544	1	Seal	
63	4032022	4	Capscrew M10 x 90	
64	4060804	12 in/ 30cm	Flex-Trim	
65	4060805	8 in/ 20cm	Flex-Trim	
66	4240099	AR	Tie, Wire (Not Shown)	
67	4568293	1	Pipe, Exhaust	
68	4640751	1	Valve, Oil Drain	
69	4711500	13	Washer 5/16	
70	4711600	68	Washer 3/8	
71	4711800	7	Washer 1/2	
72	4740274	4	Washer, Snubbing	
73	4740518	10	Washer, Nylon	
74	4751400	20	Washer 1/4	
75	4791400	4	Washer, Star 1/4	
76	4846552	1	Plate, Oil Cooler Mounting	
77	4846945	1	Mount, Generator	
78	4846946	1	Tray	
79	4891800	2	Washer 1/2	
80	4923468	1	Harness, Glow Plugs	
81	4923592	1	Harness, Cable, Jumper	
82	1001092856	1	Hose, Turbo **(SN 0300209000 through 0300234293)**	
82	1001225118	1	Hose, Turbo **(SN 0300234294 through 0300272505)**	
82A	1001151284	1	Hose	
82B	1001149740	1	Pipe	
82C	1001149639	1	Indicator	
82D	1320058	2	Clamp	
83	1001098601	1	Engine Components - Deutz TD2011 (See ENGINE COMPONENTS - DEUTZ TD2011 ENGINE for Breakdown)	
84	8410013	1	Clamp	

FIGURE 3-5. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)

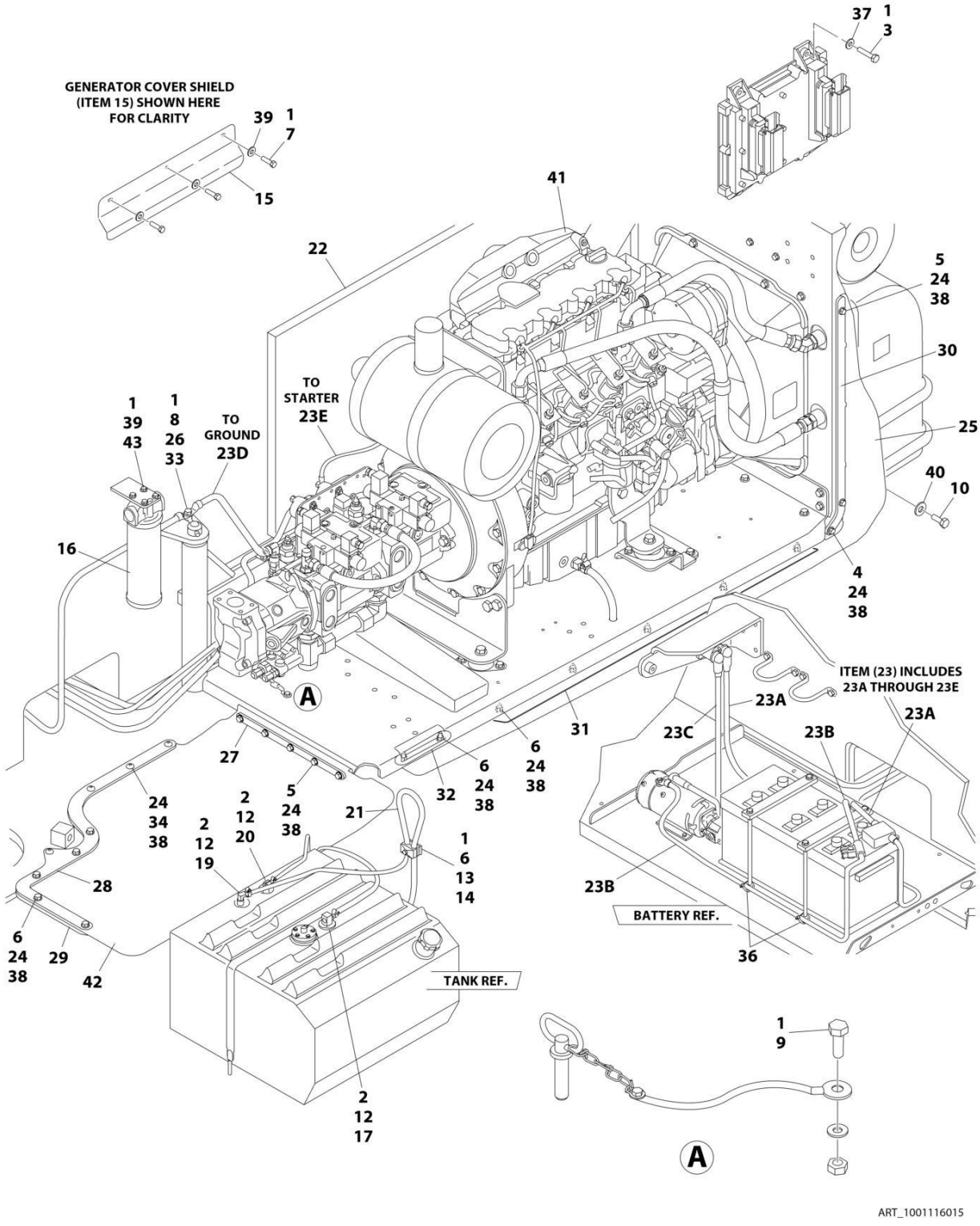

FIGURE 3-5. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001116015	Ref	DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)	D
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
3	0641410	4	Bolt 1/4 x 1-1/4	
4	0641506	1	Bolt 5/16 x 3/4	
5	0641509	7	Bolt 5/16 x 1-1/8	
6	0641511	13	Bolt 5/16 x 1-3/8	
7	0641605	3	Bolt 3/8 x 5/8	
8	0641610	1	Bolt 3/8 x 1-1/4	
9	0641808	1	Bolt 1/2 x 1	
10	0642010	1	Bolt 5/8 x 1-1/4	
12	1320022	3	Clamp	
13	1320187	1	Clamp	
14	1320190	1	Clamp, Cover Plate	
15	1671121	1	Cover, Generator	
16	1001108617	1	Filter, Hydraulic	
16	70002231	1	Element, Filter	
17	2180348	1	Fitting, Straight Barbed	
18	2200222	1	Plug (Not Shown - Located in Bottom of Fuel Tank) **(SN 0300209000 through 0300237553)**	
19	2220313	1	Fitting, 90 Barbed	
20	2221176	1	Fitting, 90 Barbed	
21	2750532	5 ft/ 1.5m	Hose	
22	2820170	1	Insulation	
23	2902099	1	Battery Cable Kit	D
23A	7024580	1	Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay)	
23B	7024581	1	Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot)	
23C	7024582	1	Cable, Red (Aux Pump Relay to Aux Pump)	
23D	7024583	1	Cable, Black (Tray Pivot to Engine Mount)	
23E	7024584	1	Cable, Red (Start Relay to Starter)	
24	3311505	24	Nut 5/16	
25	3380473	1	Panel, Rubber	
26	3422446	1	Pin	
27	3573644	1	Plate, Tray Clamp	
28	1001112878	1	Plate, Top Clamp	
29	1001112879	1	Plate, Bottom Clamp	
30	3573669	1	Plate, Clamp	
31	1001112880	1	Plate, Tray Clamp	
32	3573728	1	Plate, Tray Clamp	
33	3841143	1	Keeper, Pin	
34	3900272	4	Screw 5/16 x 1-3/4	
35	4240018	2	Tie-Strap (Not Shown)	
36	4240099	AR	Tie-Strap	
37	4711400	4	Washer 1/4	
38	4711500	44	Washer 5/16	
39	4711600	7	Washer 3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	4752000	1	Washer 5/8	
41	1001098531	1	Deutz TD2011 Engine Assembly (See DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE) for Breakdown)	
42	1001111132	1	Panel, Rubber	
43	1702942	1	Decal - Block Heater (Not Shown)	
44	0641606	4	Bolt 3/8 x 3/4	

FIGURE 3-6. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)

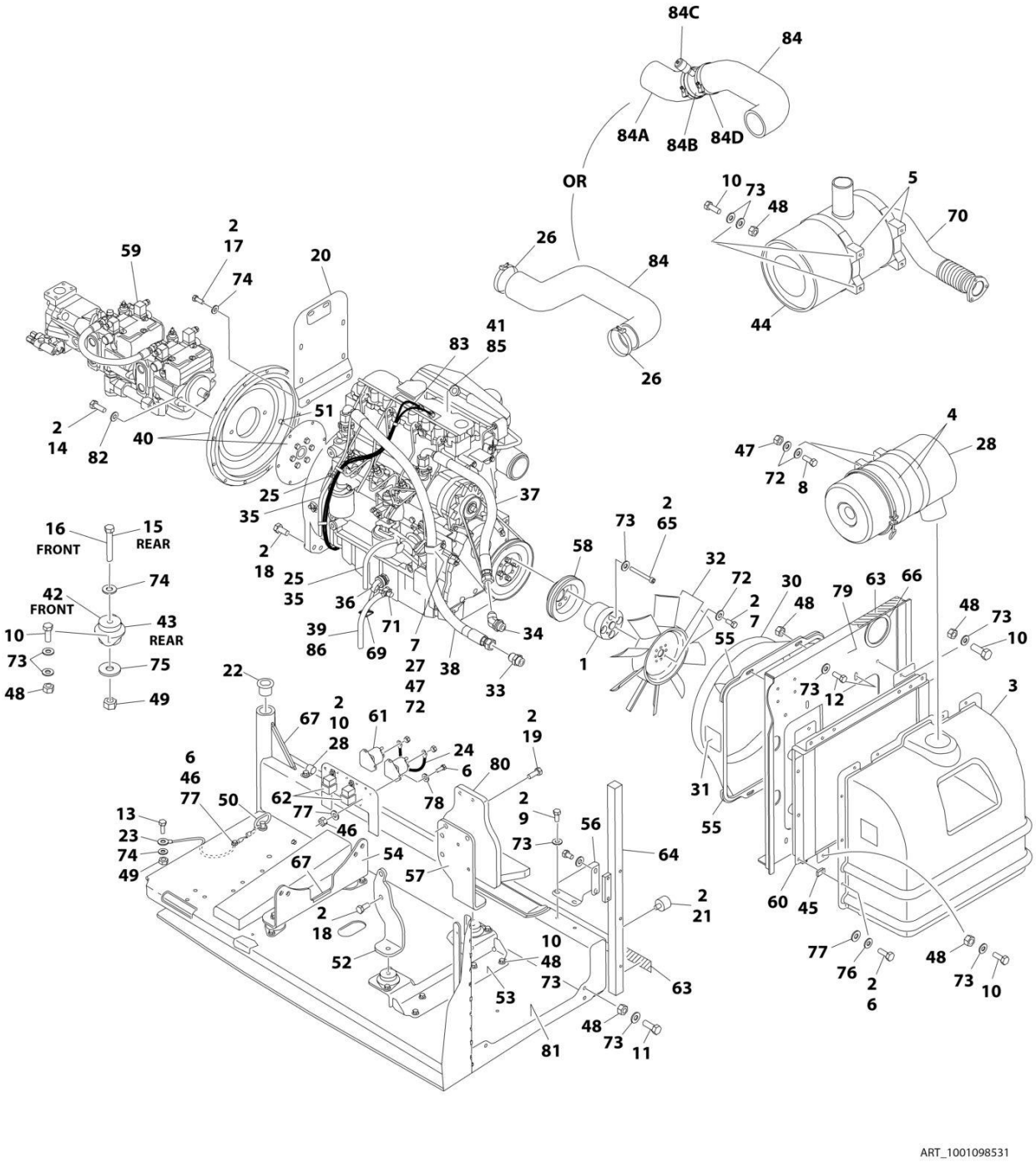

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FIGURE 3-6. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098531	Ref	DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)	J
1	0080244	1	Spacer, Fan	
2	0100011	AR	Compound, Locking	
3	0272060	1	Box, Air Intake	
4	0340003	2	Band, Air Cleaner	
5	0340051	2	Band, Muffler	
6	0641406	15	Bolt 1/4 x 3/4	
7	0641506	5	Bolt 5/16 x 3/4	
8	0641507	4	Bolt 5/16 x 7/8	
9	0641605	4	Bolt 3/8 x 5/8	
10	0641608	25	Bolt 3/8 x 1	
11	0641609	2	Bolt 3/8 x 1-1/8	
12	0641610	4	Bolt 3/8 x 1-1/4	
13	0641808	1	Bolt 1/2 x 1	
14	0641812	2	Bolt 1/2 x 1-1/2	
15	0641818	2	Bolt 1/2 x 2-1/4	
16	0641826	2	Bolt 1/2 x 3-1/4	
17	0711214	2	Bolt M12 x 30	
18	0771414	6	Bolt M14 x 30	
19	0711417	4	Bolt M14 x 45	
20	1001112766	1	Bracket, Muffler	
21	0940070	1	Bumper	
22	0961986	2	Bushing, Flanged	
23	1001131542	1	Lanyard	
24	1060904	1	Cable, Jumper	
25	1320022	2	Clamp	
26	1320058	2	Clamp	
27	1320060	1	Clamp	
28	1320223	1	J-Clip	
29	1340065	1	Air Cleaner Assembly	
29	7003655	1	Element, Air Cleaner	
30	1671023	1	Shroud, Fan	
31	1703162	2	Decal - Fan Blade	
32	2060025	1	Fan	
33	2220451	1	Fitting, Straight	
34	2220498	1	Fitting, 45	
35	2720058	34 ft/ 10.3m	Hose	
36	2580062	1	Heater, Engine Block	
37	2720500	1	Hose, Oil Cooler (Top)	
38	2720501	1	Hose, Oil Cooler (Bottom)	
39	2750532	9 in/ 23cm	Hose	
40	2902065	1	Pump Coupling Kit (See PUMP COUPLING KIT for Breakdown)	
41	3020044	33 gl/ 12.3L	Oil, Engine 0W-40	
42	3200362	2	Mount, Motor (Front)	
43	3200401	2	Mount, Motor (Rear)	
44		Ref	Muffler Options:	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	3220126	1	Standard Muffler	
44	3220130	1	Optional Catalytic Muffler	
44	70001017	1	Clamp (Used on p/n 3220130)	
45	3300454	10	Nut	
46	3311405	5	Nut 1/4	
47	3311505	5	Nut 5/16	
48	3311605	30	Nut 3/8	
49	3311805	5	Nut 1/2	
50	3422532	1	Pin, Hitch	
51	3520054	2	Plug, Hole	
52	3537416	1	Plate, Mounting (Front Right)	
53	3539971	1	Bracket, Engine Mounting (Front)	
54	3573142	1	Bracket, Engine Mounting (Rear)	
55	3573411	2	Plate, Clamp	
56	3573412	1	Plate, Gusset	
57	3573529	1	Plate, Mounting (Front Left)	
58	3580320	1	Pulley	
59	3600339	1	Pump Assembly (Rexroth) (See PUMP ASSEMBLY (REXROTH) (DEUTZ TD2011 ENGINES) for Breakdown)	
60	1001145382	1	Cooler, Engine Oil	
61	3740067	2	Relay	
62	3740080	2	Relay	
63	3960543	1	Seal	
64	3960544	1	Seal	
65	4032022	4	Capscrew M10 x 90	
66	4060804	12 in/ 30cm	Flex-Trim	
67	4060805	8 in/ 20cm	Flex-Trim	
68	4240099	AR	Tie, Wire (Not Shown)	
69	4460234	3	Mount, Wire Tie	
70	4568293	1	Pipe, Exhaust	
71	4640751	1	Valve, Oil Drain	
72	4711500	13	Washer 5/16	
73	4711600	68	Washer 3/8	
74	4711800	7	Washer 1/2	
75	4740274	4	Washer, Snubbing	
76	4740518	10	Washer, Nylon	
77	4751400	20	Washer 1/4	
78	4791400	4	Washer, Star 1/4	
79	4846552	1	Plate, Oil Cooler Mounting	
80	4846945	1	Mount, Generator	
81	4846946	1	Tray	
82	4891800	2	Washer 1/2	
83	4923468	1	Harness, Glow Plugs	
84	1001092856	1	Hose, Turbo **(SN 0300209000 through 0300234293)**	
84	1001225118	1	Hose, Turbo **(SN 0300234294 through 0300272505)**	
84A	1001151284	1	Hose	
84B	1001149740	1	Pipe	
84C	1001149639	1	Indicator	
84D	1320058	2	Clamp	
85	1001098601	1	Engine Components - Deutz TD2011 (See ENGINE COMPONENTS - DEUTZ TD2011 ENGINE for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
86	8410013	1	Clamp	

FIGURE 3-7. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

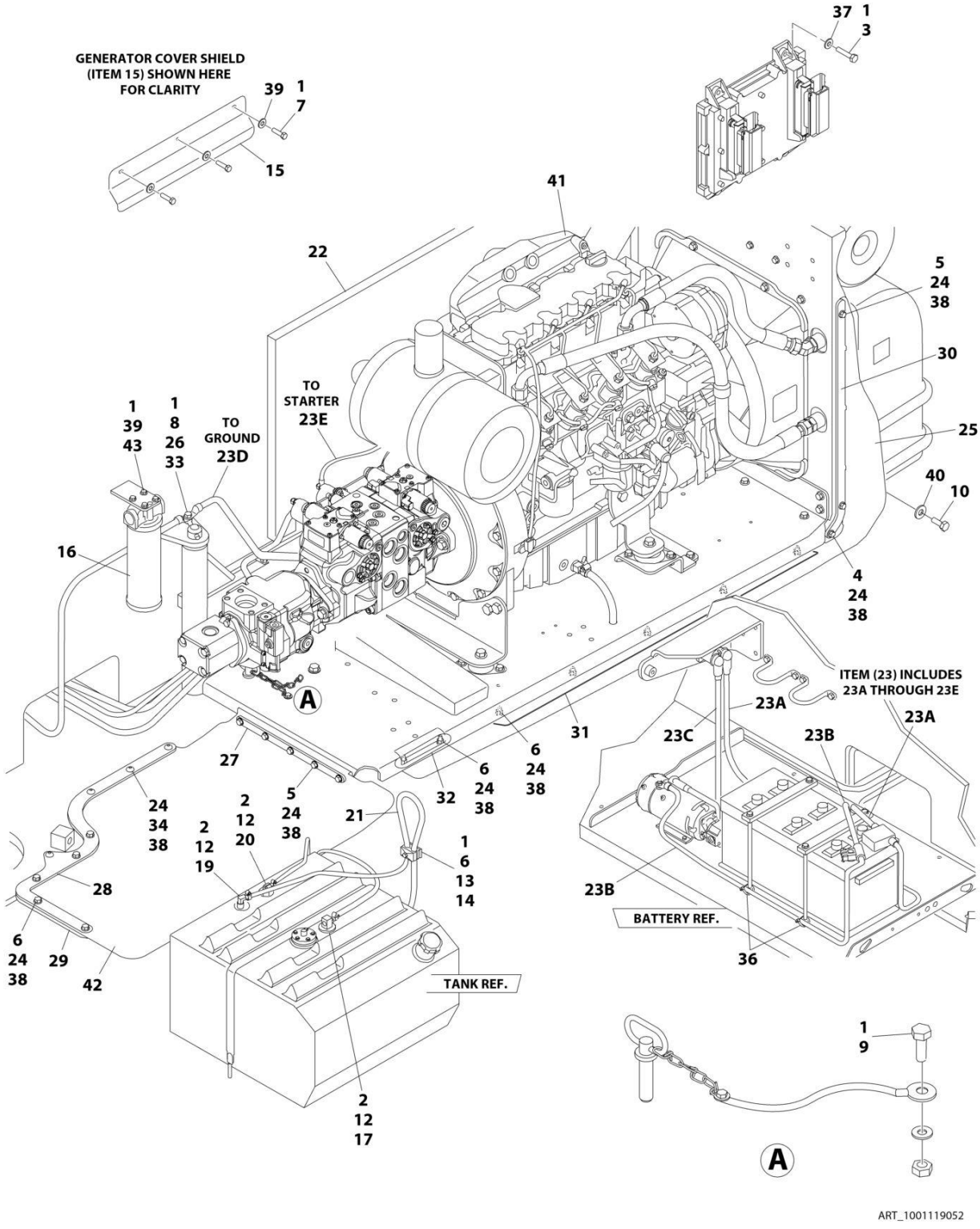

FIGURE 3-7. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119052	Ref	DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)	D
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
3	0641410	4	Bolt 1/4 x 1-1/4	
4	0641506	1	Bolt 5/16 x 3/4	
5	0641509	7	Bolt 5/16 x 1-1/8	
6	0641511	13	Bolt 5/16 x 1-3/8	
7	0641605	3	Bolt 3/8 x 5/8	
8	0641610	1	Bolt 3/8 x 1-1/4	
9	0641808	1	Bolt 1/2 x 1	
10	0642010	1	Bolt 5/8 x 1-1/4	
12	1320022	3	Clamp	
13	1320187	1	Clamp	
14	1320190	1	Clamp, Cover Plate	
15	1671121	1	Cover, Generator	
16	1001108617	1	Filter, Hydraulic	
16	70002231	1	Element, Filter	
17	2180348	1	Fitting, Straight Barbed	
18	2200222	1	Plug (Not Shown - Located in Bottom of Fuel Tank) **(SN 0300209000 through 0300237553)**	
19	2220313	1	Fitting, 90 Barbed	
20	2221176	1	Fitting, 90 Barbed	
21	2750532	5 ft/ 1.5m	Hose	
22	2820170	1	Insulation	
23	2902099	1	Battery Cable Kit	D
23A	7024580	1	Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay)	
23B	7024581	1	Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot)	
23C	7024582	1	Cable, Red (Aux Pump Relay to Aux Pump)	
23D	7024583	1	Cable, Black (Tray Pivot to Engine Mount)	
23E	7024584	1	Cable, Red (Start Relay to Starter)	
24	3311505	24	Nut 5/16	
25	3380473	1	Panel, Rubber	
26	3422446	1	Pin	
27	3573644	1	Plate, Tray Clamp	
28	1001112878	1	Plate, Top Clamp	
29	1001112879	1	Plate, Bottom Clamp	
30	3573669	1	Plate, Clamp	
31	1001112880	1	Plate, Tray Clamp	
32	3573728	1	Plate, Tray Clamp	
33	3841143	1	Keeper, Pin	
34	3900272	4	Screw 5/16 x 1-3/4	
35	4240018	2	Tie-Strap (Not Shown)	
36	4240099	AR	Tie-Strap	
37	4711400	4	Washer 1/4	
38	4711500	44	Washer 5/16	
39	4711600	7	Washer 3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	4752000	1	Washer 5/8	
41	1001107971	1	Deutz TD2011 Engine Assembly (See DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) for Breakdown)	
42	1001111132	1	Panel, Rubber	
43	0641606	4	Bolt 3/8 x 3/4	

FIGURE 3-8. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

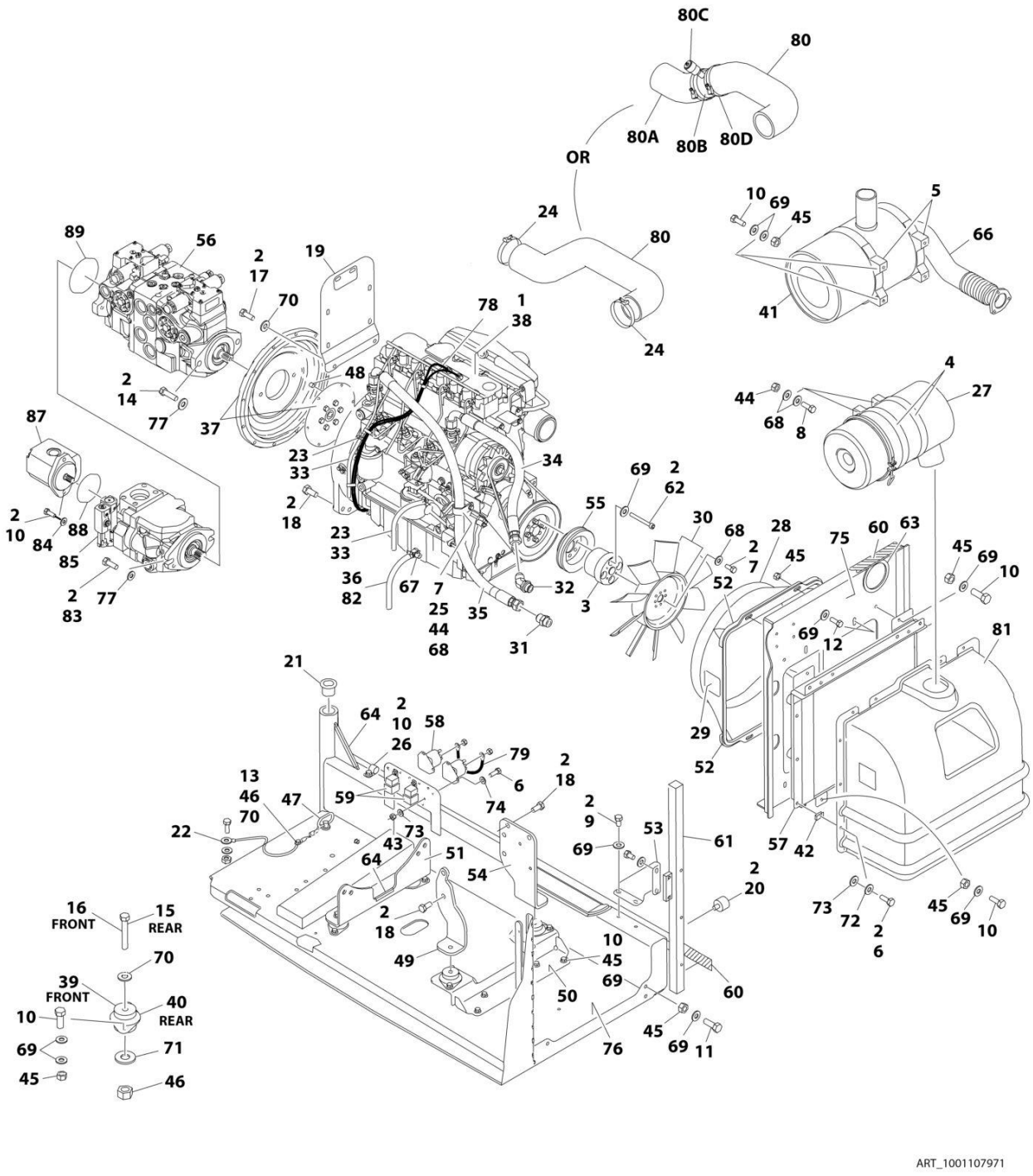

FIGURE 3-8. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107971	Ref	DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)	H
1	1001098601	1	Engine Components - Deutz TD2011 (See ENGINE COMPONENTS - DEUTZ TD2011 ENGINE for Breakdown)	
2	0100011	AR	Compound, Locking	
3	0080237	1	Spacer, Fan	
4	0340003	2	Band, Air Cleaner	
5	0340051	2	Band, Muffler	
6	0641406	15	Bolt 1/4 x 3/4	
7	0641506	5	Bolt 5/16 x 3/4	
8	0641507	4	Bolt 5/16 x 7/8	
9	0641605	4	Bolt 3/8 x 5/8	
10	0641608	27	Bolt 3/8 x 1	
11	0641609	2	Bolt 3/8 x 1-1/8	
12	0641610	4	Bolt 3/8 x 1-1/4	
13	0641808	1	Bolt 1/2 x 1	
14	0641814	2	Bolt 1/2 x 1-3/4	
15	0641818	2	Bolt 1/2 x 2-1/4	
16	0641826	2	Bolt 1/2 x 3-1/4	
17	0711214	2	Bolt M12 x 30	
18	0771414	10	Bolt M14 x 30	
19	1001112766	1	Bracket, Muffler	
20	0940070	1	Bumper	
21	0961986	2	Bushing, Flanged	
22	1001131542	1	Lanyard	
23	1320022	3	Clamp	
24	1320058	2	Clamp	
25	1320060	1	Clamp	
26	1320223	1	J-Clip	
27	1340065	1	Air Cleaner Assembly	
27	7003655	1	Element, Air Cleaner	
28	1671023	1	Shroud, Fan	
29	1703162	2	Decal - Fan Blade	
30	2060025	1	Fan	
31	2220451	1	Fitting, Straight	
32	2220498	1	Fitting, 45	
33	2720058	34 ft/ 10.3m	Hose	
34	2720500	1	Hose, Oil Cooler (Top)	
35	2720501	1	Hose, Oil Cooler (Bottom)	
36	2750532	9 in/ 23cm	Hose	
37	2902065	1	Pump Coupling Kit (See PUMP COUPLING KIT for Breakdown)	
38	3020016	3.3 gal/ 12.3L	Oil, Engine 15W-40	
39	3200362	2	Mount, Motor (Front)	
40	3200401	2	Mount, Motor (Rear)	
41		Ref	Muffler Options:	
41	3220126	1	Standard Muffler	
41	3220130	1	Optional Catalytic Muffler	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	70001017	1	Clamp (Used on p/n 3220130)	
42	3300454	10	Nut	
43	3311405	5	Nut 1/4	
44	3311505	5	Nut 5/16	
45	3311605	30	Nut 3/8	
46	3311805	5	Nut 1/2	
47	3422532	1	Pin, Hitch	
48	3520054	2	Plug, Hole	
49	3537416	1	Plate, Mounting (Front Right)	
50	3539971	1	Bracket, Engine Mounting (Front)	
51	3573142	1	Bracket, Engine Mounting (Rear)	
52	3573411	2	Plate, Clamp	
53	3573412	1	Plate, Gusset	
54	3573529	1	Plate, Mounting (Front Left)	
55	3580158	1	Pulley	
56	1001108616	1	Sauer Tandem Pump Assembly (See PUMP ASSEMBLY (SAUER TANDEM) for Breakdown)	
57	1001145382	1	Cooler, Engine Oil	
58	3740067	2	Relay	
59	3740080	2	Relay	
60	3960543	1	Seal	
61	3960544	1	Seal	
62	4032022	4	Capscrew M10 x 90	
63	4060804	12 in/ 30cm	Flex-Trim	
64	4060805	8 in/20cm	Flex-Trim	
65	4240099	AR	Tie, Wire (Not Shown)	
66	4568293	1	Pipe, Exhaust	
67	4640751	1	Valve, Oil Drain	
68	4711500	13	Washer 5/16	
69	4711600	68	Washer 3/8	
70	4711800	7	Washer 1/2	
71	4740274	4	Washer, Snubbing	
72	4740518	10	Washer, Nylon	
73	4751400	20	Washer 1/4	
74	4791400	4	Washer, Star 1/4	
75	4846552	1	Plate, Oil Cooler Mounting	
76	4846946	1	Tray	
77	4891800	4	Washer 1/2	
78	4923468	1	Harness, Glow Plugs	
79	4923592	1	Harness, Cable, Jumper	
80	1001092856	1	Hose, Turbo **(SN 0300209000 through 0300234293)**	
80	1001225118	1	Hose, Turbo **(SN 0300234294 through 0300272505)**	
80A	1001151284	1	Hose	
80B	1001149740	1	Pipe	
80C	1001149639	1	Indicator	
80D	1320058	2	Clamp	
81	0272060	1	Box, Air Intake	
82	8410013	1	Clamp	
83	0761215	2	Bolt M14 x 30	
84	4891600	2	Washer 3/8	
85	1001171095	1	Sauer Piston Pump Assembly (See PUMP ASSEMBLY (SAUER	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			PISTON) for Breakdown)	
87	1001112927	1	Sauer Gear Pump Assembly (See PUMP ASSEMBLY (SAUER GEAR) for Breakdown)	
88	3790152	1	O-Ring	
89	3790155	1	O-Ring	

FIGURE 3-9. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

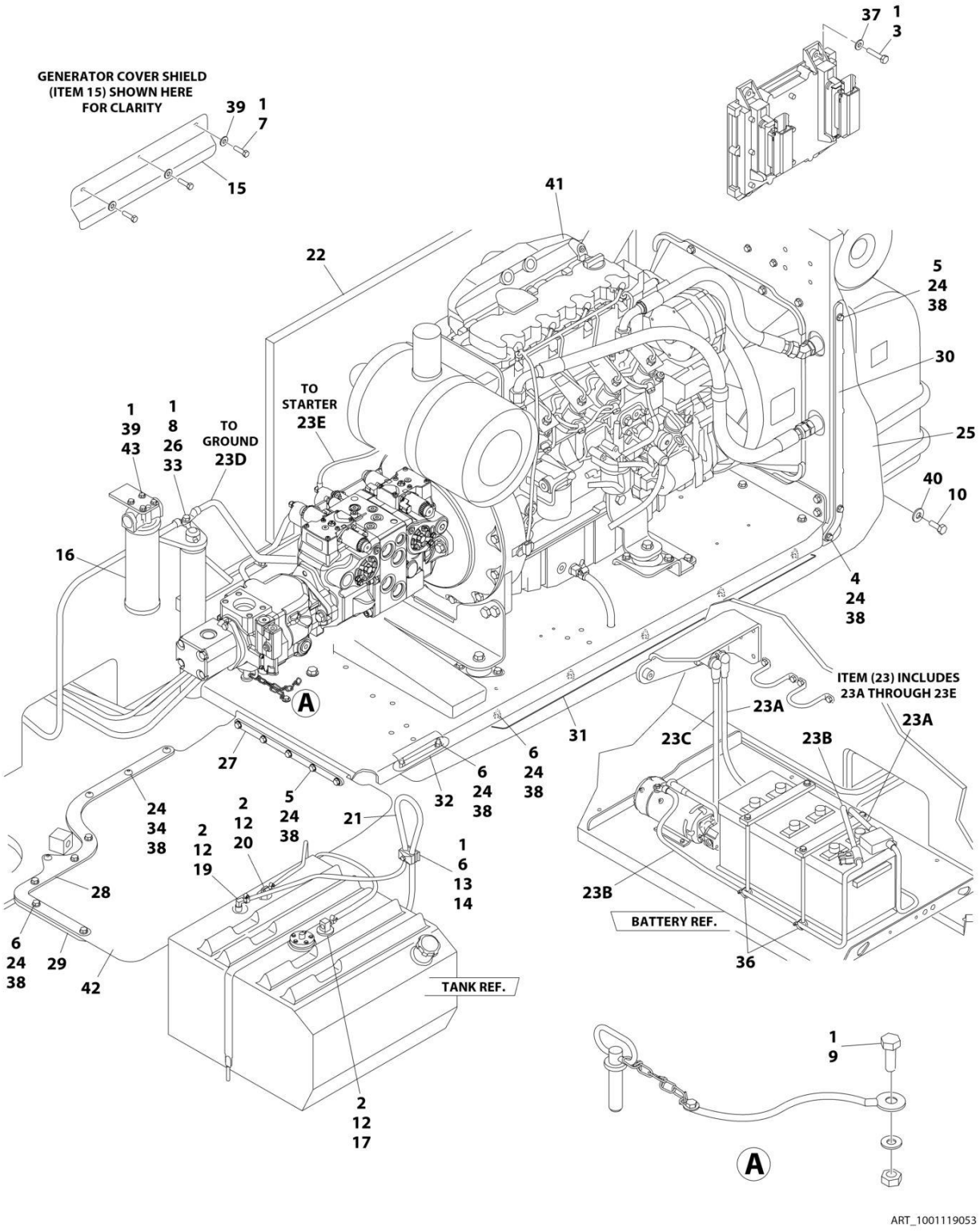

FIGURE 3-9. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119053	Ref	DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)	D
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
3	0641410	4	Bolt 1/4 x 1-1/4	
4	0641506	1	Bolt 5/16 x 3/4	
5	0641509	7	Bolt 5/16 x 1-1/8	
6	0641511	13	Bolt 5/16 x 1-3/8	
7	0641605	3	Bolt 3/8 x 5/8	
8	0641610	1	Bolt 3/8 x 1-1/4	
9	0641808	1	Bolt 1/2 x 1	
10	0642010	1	Bolt 5/8 x 1-1/4	
12	1320022	3	Clamp	
13	1320187	1	Clamp	
14	1320190	1	Clamp, Cover Plate	
15	1671121	1	Cover, Generator	
16	1001108617	1	Filter, Hydraulic	
16	70002231	1	Element, Filter	
17	2180348	1	Fitting, Straight Barbed	
18	2200222	1	Plug (Not Shown - Located in Bottom of Fuel Tank) **(SN 0300209000 through 0300237553)**	
19	2220313	1	Fitting, 90 Barbed	
20	2221176	1	Fitting, 90 Barbed	
21	2750532	5 ft/ 1.5m	Hose	
22	2820170	1	Insulation	
23	2902099	1	Battery Cable Kit	D
23A	7024580	1	Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay)	
23B	7024581	1	Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot)	
23C	7024582	1	Cable, Red (Aux Pump Relay to Aux Pump)	
23D	7024583	1	Cable, Black (Tray Pivot to Engine Mount)	
23E	7024584	1	Cable, Red (Start Relay to Starter)	
24	3311505	24	Nut 5/16	
25	3380473	1	Panel, Rubber	
26	3422446	1	Pin	
27	3573644	1	Plate, Tray Clamp	
28	1001112878	1	Plate, Top Clamp	
29	1001112879	1	Plate, Bottom Clamp	
30	3573669	1	Plate, Clamp	
31	1001112880	1	Plate, Tray Clamp	
32	3573728	1	Plate, Tray Clamp	
33	3841143	1	Keeper, Pin	
34	3900272	4	Screw 5/16 x 1-3/4	
35	4240018	2	Tie-Strap (Not Shown)	
36	4240099	AR	Tie-Strap	
37	4711400	4	Washer 1/4	
38	4711500	44	Washer 5/16	
39	4711600	7	Washer 3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	4752000	1	Washer 5/8	
41	1001107973	1	Deutz TD2011 Engine Assembly (See DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) for Breakdown)	
42	1001111132	1	Panel, Rubber	
43	0641606	4	Bolt 3/8 x 3/4	

FIGURE 3-10. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

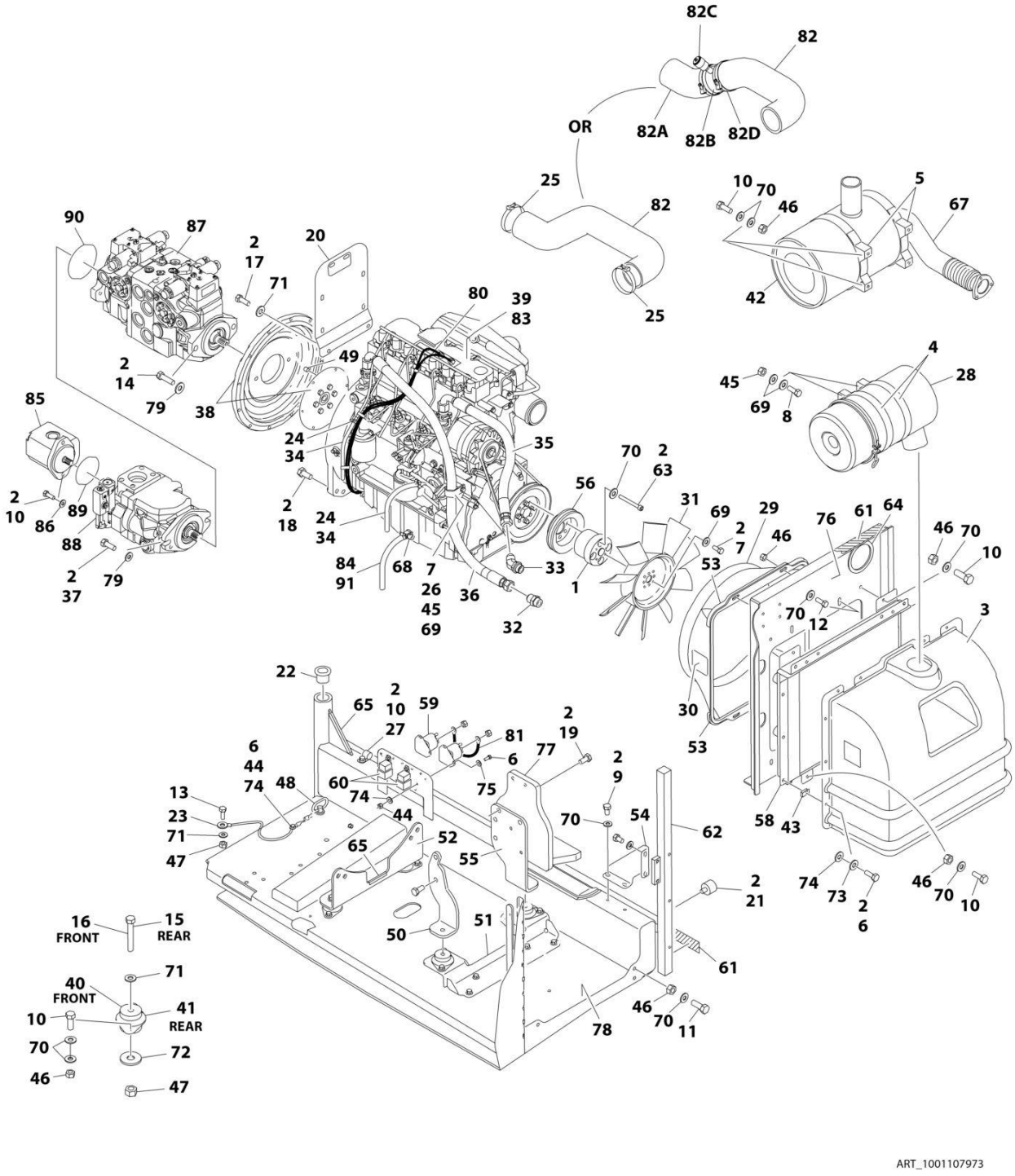

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FIGURE 3-10. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107973	Ref	DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE)	H
1	0080244	1	Spacer, Fan	
2	0100011	AR	Compound, Locking	
3	0272060	1	Box, Air Intake	
4	0340003	2	Band, Air Cleaner	
5	0340051	2	Band, Muffler	
6	0641406	15	Bolt 1/4 x 3/4	
7	0641506	5	Bolt 5/16 x 3/4	
8	0641507	4	Bolt 5/16 x 7/8	
9	0641605	4	Bolt 3/8 x 5/8	
10	0641608	27	Bolt 3/8 x 1	
11	0641609	2	Bolt 3/8 x 1-1/8	
12	0641610	4	Bolt 3/8 x 1-1/4	
13	0641808	1	Bolt 1/2 x 1	
14	0641814	2	Bolt 1/2 x 1-3/4	
15	0641818	2	Bolt 1/2 x 2-1/4	
16	0641826	2	Bolt 1/2 x 3-1/4	
17	0711214	2	Bolt M12 x 30	
18	0771414	6	Bolt M14 x 30	
19	0711417	4	Bolt M14 x 45	
20	1001112766	1	Bracket, Muffler	
21	0940070	1	Bumper	
22	0961986	2	Bushing, Flanged	
23	1001131542	1	Lanyard	
24	1320022	2	Clamp	
25	1320058	2	Clamp	
26	1320060	1	Clamp	
27	1320223	1	J-Clip	
28	1340065	1	Air Cleaner Assembly	
28	7003655	1	Element, Air Cleaner	
29	1671023	1	Shroud, Fan	
30	1703162	2	Decal - Fan Blade	
31	2060025	1	Fan	
32	2220451	1	Fitting, Straight	
33	2220498	1	Fitting, 45	
34	2720058	34 ft/ 10.3m	Hose	
35	2720500	1	Hose, Oil Cooler (Top)	
36	2720501	1	Hose, Oil Cooler (Bottom)	
37	0761215	2	Bolt M14 x 30	
38	2902065	1	Pump Coupling Kit (See PUMP COUPLING KIT for Breakdown)	
39	3020016	3.3 gal/ 12.3L	Oil, Engine 15W-40	
40	3200362	2	Mount, Motor (Front)	
41	3200401	2	Mount, Motor (Rear)	
42		Ref	Muffler Options:	
42	3220126	1	Standard Muffler	
42	3220130	1	Optional Catalytic Muffler	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	70001017	1	Clamp (Used on p/n 3220130)	
43	3300454	10	Nut	
44	3311405	5	Nut 1/4	
45	3311505	5	Nut 5/16	
46	3311605	30	Nut 3/8	
47	3311805	5	Nut 1/2	
48	3422532	1	Pin, Hitch	
49	3520054	2	Plug, Hole	
50	3537416	1	Plate, Mounting (Front Right)	
51	3539971	1	Bracket, Engine Mounting (Front)	
52	3573142	1	Bracket, Engine Mounting (Rear)	
53	3573411	2	Plate, Clamp	
54	3573412	1	Plate, Gusset	
55	3573529	1	Plate, Mounting (Front Left)	
56	3580320	1	Pulley	
58	1001145382	1	Cooler, Engine Oil	
59	3740067	2	Relay	
60	3740080	2	Relay	
61	3960543	1	Seal	
62	3960544	1	Seal	
63	4032022	4	Capscrew M10 x 90	
64	4060804	12 in/ 30cm	Flex-Trim	
65	4060805	8 in/20cm	Flex-Trim	
66	4240099	AR	Tie, Wire (Not Shown)	
67	4568293	1	Pipe, Exhaust	
68	4640751	1	Valve, Oil Drain	
69	4711500	13	Washer 5/16	
70	4711600	68	Washer 3/8	
71	4711800	7	Washer 1/2	
72	4740274	4	Washer, Snubbing	
73	4740518	10	Washer, Nylon	
74	4751400	20	Washer 1/4	
75	4791400	4	Washer, Star 1/4	
76	4846552	1	Plate, Oil Cooler Mounting	
77	4846945	1	Mount, Generator	
78	4846946	1	Tray	
79	4891800	8	Washer 1/2	
80	4923468	1	Harness, Glow Plugs	
81	4923592	1	Harness, Cable, Jumper	
82	1001092856	1	Hose, Turbo **(SN 0300209000 through 0300234293)**	
82	1001225118	1	Hose, Turbo **(SN 0300234294 through 0300272505)**	
82A	1001151284	1	Hose	
82B	1001149740	1	Pipe	
82C	1001149639	1	Indicator	
82D	1320058	2	Clamp	
83	1001098601	1	Engine Components - Deutz TD2011 (See ENGINE COMPONENTS - DEUTZ TD2011 ENGINE for Breakdown)	
84	8410013	1	Clamp	
85	1001112927	1	Sauer Gear Pump Assembly (See PUMP ASSEMBLY (SAUER GEAR) for Breakdown)	
86	4891600	2	Washer 3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
87	1001108616	1	Sauer Tandem Pump Assembly (See PUMP ASSEMBLY (SAUER TANDEM) for Breakdown)	
88	1001171095	1	Sauer Piston Pump Assembly (See PUMP ASSEMBLY (SAUER PISTON) for Breakdown)	
89	3790152	1	O-Ring	
90	3790155	1	O-Ring	
91	2750532	0.8 ft/ 0.2m	Hose	

FIGURE 3-11. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)

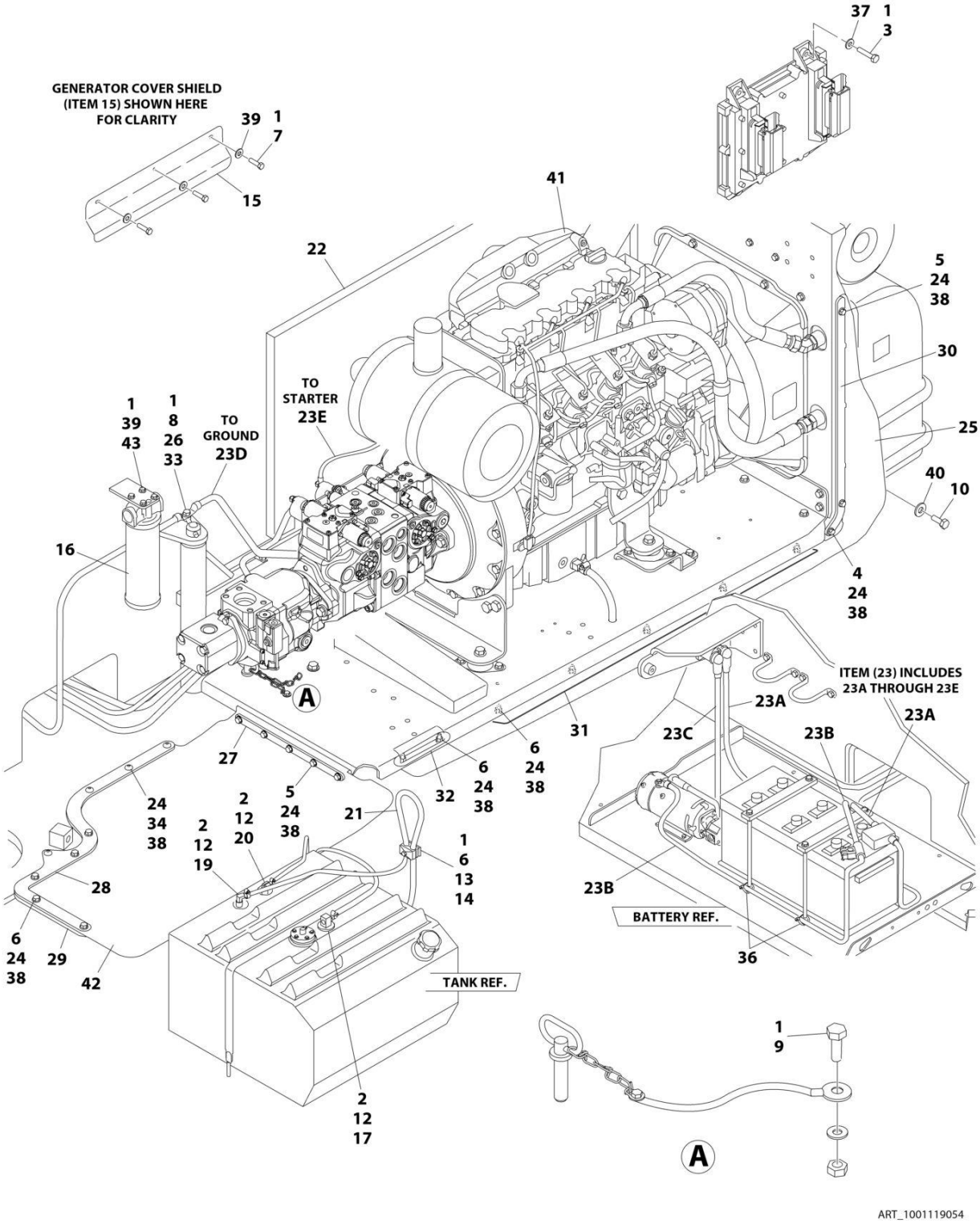


FIGURE 3-11. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119054	Ref	DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)	D
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
3	0641410	4	Bolt 1/4 x 1-1/4	
4	0641506	1	Bolt 5/16 x 3/4	
5	0641509	7	Bolt 5/16 x 1-1/8	
6	0641511	13	Bolt 5/16 x 1-3/8	
7	0641605	3	Bolt 3/8 x 5/8	
8	0641610	1	Bolt 3/8 x 1-1/4	
9	0641808	1	Bolt 1/2 x 1	
10	0642010	1	Bolt 5/8 x 1-1/4	
12	1320022	3	Clamp	
13	1320187	1	Clamp	
14	1320190	1	Clamp, Cover Plate	
15	1671121	1	Cover, Generator	
16	1001108617	1	Filter, Hydraulic	
16	70002231	1	Element, Filter	
17	2180348	1	Fitting, Straight Barbed	
18	2200222	1	Plug (Not Shown - Located in Bottom of Fuel Tank) **(SN 0300209000 through 0300237553)**	
19	2220313	1	Fitting, 90 Barbed	
20	2221176	1	Fitting, 90 Barbed	
21	2750532	5 ft/ 1.5m	Hose	
22	2820170	1	Insulation	
23	2902099	1	Battery Cable Kit	D
23A	7024580	1	Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay)	
23B	7024581	1	Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot)	
23C	7024582	1	Cable, Red (Aux Pump Relay to Aux Pump)	
23D	7024583	1	Cable, Black (Tray Pivot to Engine Mount)	
23E	7024584	1	Cable, Red (Start Relay to Starter)	
24	3311505	24	Nut 5/16	
25	3380473	1	Panel, Rubber	
26	3422446	1	Pin	
27	3573644	1	Plate, Tray Clamp	
28	1001112878	1	Plate, Top Clamp	
29	1001112879	1	Plate, Bottom Clamp	
30	3573669	1	Plate, Clamp	
31	1001112880	1	Plate, Tray Clamp	
32	3573728	1	Plate, Tray Clamp	
33	3841143	1	Keeper, Pin	
34	3900272	4	Screw 5/16 x 1-3/4	
35	4240018	2	Tie-Strap (Not Shown)	
36	4240099	AR	Tie-Strap	
37	4711400	4	Washer 1/4	
38	4711500	44	Washer 5/16	
39	4711600	7	Washer 3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	4752000	1	Washer 5/8	
41	1001107975	1	Deutz TD2011 Engine Assembly (See DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE) for Breakdown)	
42	1001111132	1	Panel, Rubber	
43	1702942	1	Decal - Block Heater (Not Shown)	
44	0641606	4	Bolt 3/8 x 3/4	

FIGURE 3-12. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)

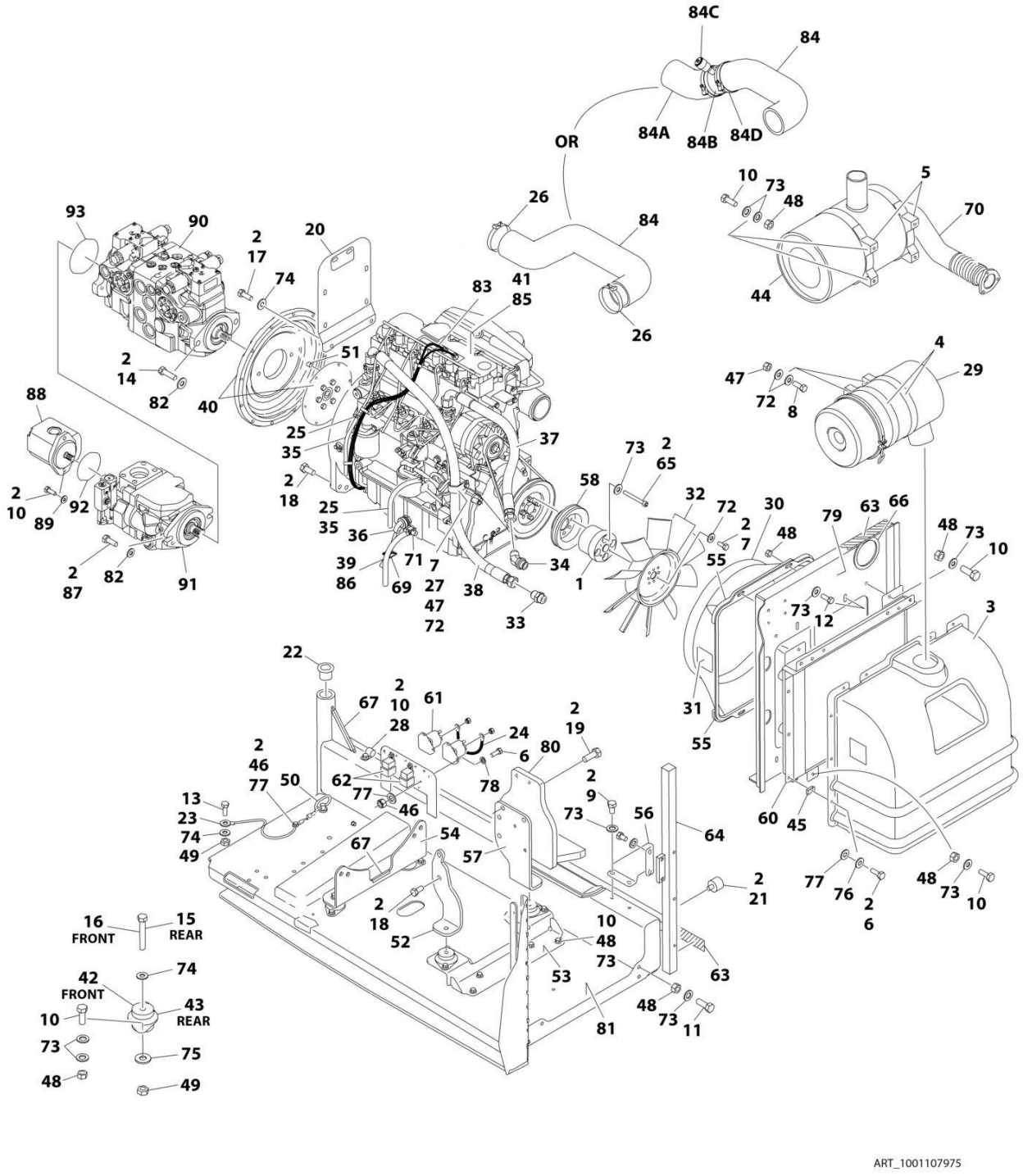


FIGURE 3-12. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107975	Ref	DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE)	H
1	0080244	1	Spacer, Fan	
2	0100011	AR	Compound, Locking	
3	0272060	1	Box, Air Intake	
4	0340003	2	Band, Air Cleaner	
5	0340051	2	Band, Muffler	
6	0641406	15	Bolt 1/4 x 3/4	
7	0641506	5	Bolt 5/16 x 3/4	
8	0641507	4	Bolt 5/16 x 7/8	
9	0641605	4	Bolt 3/8 x 5/8	
10	0641608	27	Bolt 3/8 x 1	
11	0641609	2	Bolt 3/8 x 1-1/8	
12	0641610	4	Bolt 3/8 x 1-1/4	
13	0641808	1	Bolt 1/2 x 1	
14	0641814	2	Bolt 1/2 x 1-3/4	
15	0641818	2	Bolt 1/2 x 2-1/4	
16	0641826	2	Bolt 1/2 x 3-1/4	
17	0711214	2	Bolt M12 x 30	
18	0771414	6	Bolt M14 x 30	
19	0711417	4	Bolt M14 x 45	
20	1001112766	1	Bracket, Muffler	
21	0940070	1	Bumper	
22	0961986	2	Bushing, Flanged	
23	1001131542	1	Lanyard	
24	1060904	1	Cable, Jumper	
25	1320022	2	Clamp	
26	1320058	2	Clamp	
27	1320060	1	Clamp	
28	1320223	1	J-Clip	
29	1340065	1	Air Cleaner Assembly	
29	7003655	1	Element, Air Cleaner	
30	1671023	1	Shroud, Fan	
31	1703162	2	Decal - Fan Blade	
32	2060025	1	Fan	
33	2220451	1	Fitting, Straight	
34	2220498	1	Fitting, 45	
35	2720058	34 ft/ 10.3m	Hose	
36	2580062	1	Heater, Engine Block	
37	2720500	1	Hose, Oil Cooler (Top)	
38	2720501	1	Hose, Oil Cooler (Bottom)	
39	2750532	89 in/ 2.3m	Hose	
40	2902065	1	Pump Coupling Kit (See PUMP COUPLING KIT for Breakdown)	
41	3020044	3.3 gal/ 12.3L	Oil, Engine 0W-40	
42	3200362	2	Mount, Motor (Front)	
43	3200401	2	Mount, Motor (Rear)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44		Ref	Muffler Options:	
44	3220126	1	Standard Muffler	
44	3220130	1	Optional Catalytic Muffler	
44	70001017	1	Clamp (Used on p/n 3220130)	
45	3300454	10	Nut	
46	3311405	5	Nut 1/4	
47	3311505	5	Nut 5/16	
48	3311605	30	Nut 3/8	
49	3311805	5	Nut 1/2	
50	3422532	1	Pin, Hitch	
51	3520054	2	Plug, Hole	
52	3537416	1	Plate, Mounting (Front Right)	
53	3539971	1	Bracket, Engine Mounting (Front)	
54	3573142	1	Bracket, Engine Mounting (Rear)	
55	3573411	2	Plate, Clamp	
56	3573412	1	Plate, Gusset	
57	3573529	1	Plate, Mounting (Front Left)	
58	3580320	1	Pulley	
60	1001145382	1	Cooler, Engine Oil	
61	3740067	2	Relay	
62	3740080	2	Relay	
63	3960543	1	Seal	
64	3960544	1	Seal	
65	4032022	4	Capscrew M10 x 90	
66	4060804	12 in/ 30cm	Flex-Trim	
67	4060805	8 in/20cm	Flex-Trim	
68	4240099	AR	Tie, Wire (Not Shown)	
69	4460234	3	Mount, Wire Tie	
70	4568293	1	Pipe, Exhaust	
71	4640751	1	Valve, Oil Drain	
72	4711500	13	Washer 5/16	
73	4711600	68	Washer 3/8	
74	4711800	7	Washer 1/2	
75	4740274	4	Washer, Snubbing	
76	4740518	10	Washer, Nylon	
77	4751400	20	Washer 1/4	
78	4791400	4	Washer, Star 1/4	
79	4846552	1	Plate, Oil Cooler Mounting	
80	4846945	1	Mount, Generator	
81	4846946	1	Tray	
82	4891800	4	Washer 1/2	
83	4923468	1	Harness, Glow Plugs	
84	1001092856	1	Hose, Turbo **(SN 0300209000 through 0300234293)**	
84	1001225118	1	Hose, Turbo **(SN 0300234294 through 0300272505)**	
84A	1001151284	1	Hose	
84B	1001149740	1	Pipe	
84C	1001149639	1	Indicator	
84D	1320058	2	Clamp	
85	1001098601	1	Engine Components - Deutz TD2011 Engine (See ENGINE COMPONENTS - DEUTZ TD2011 ENGINE for Breakdown)	
86	8410013	1	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
87	0761215	2	Bolt M14 x 30	
88	1001112927	1	Sauer Gear Pump Assembly (See PUMP ASSEMBLY (SAUER GEAR) for Breakdown)	
89	4891600	2	Washer 3/8	
90	1001108616	1	Sauer Tandem Pump Assembly (See PUMP ASSEMBLY (SAUER TANDEM) for Breakdown)	
91	1001171095	1	Sauer Piston Pump Assembly (See PUMP ASSEMBLY (SAUER PISTON) for Breakdown)	
92	3790152	1	O-Ring	
93	3790155	1	O-Ring	

FIGURE 3-13. ENGINE COMPONENTS - DEUTZ TD2011 ENGINE

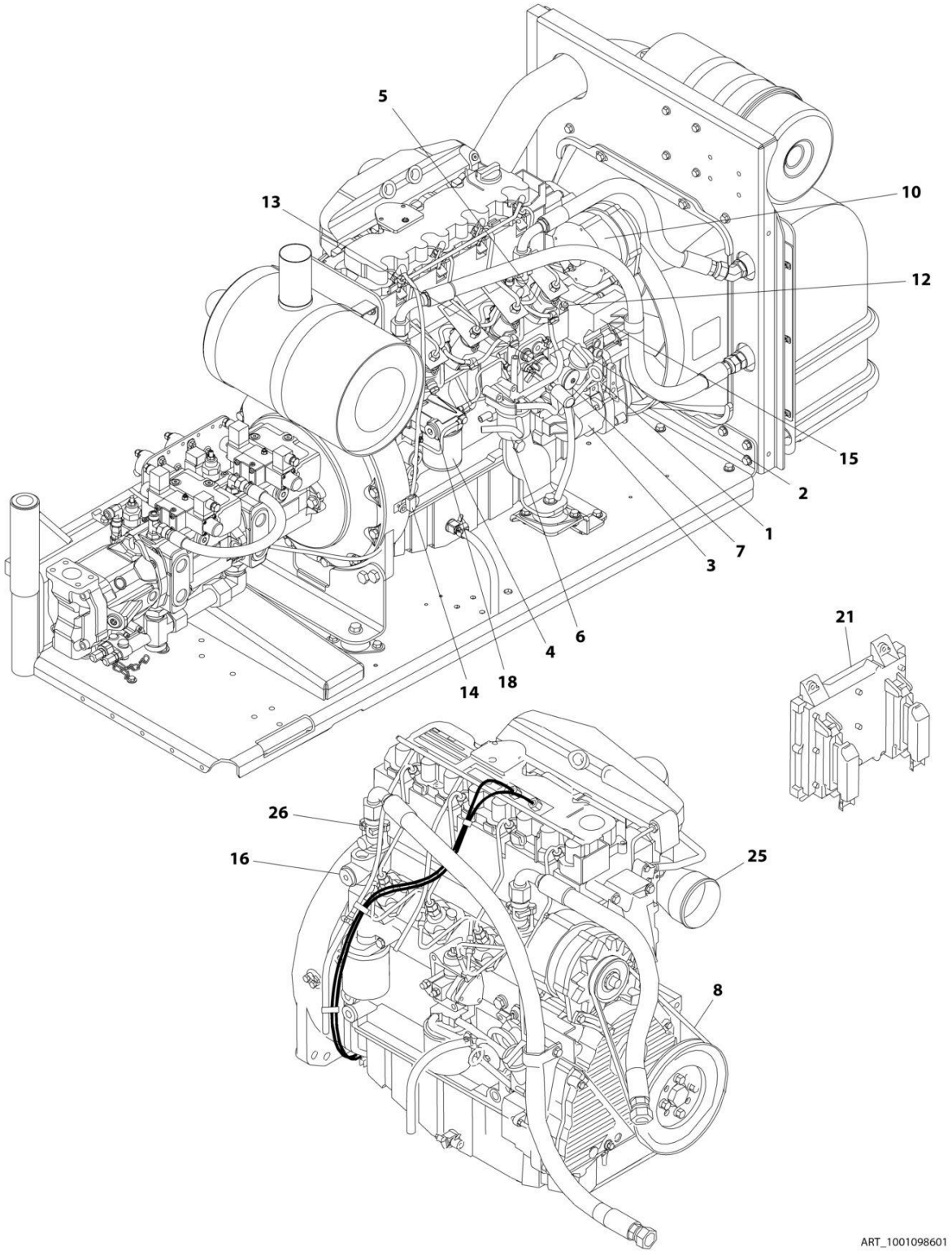


FIGURE 3-13. ENGINE COMPONENTS - DEUTZ TD2011 ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098601	Ref	ENGINE COMPONENTS - DEUTZ TD2011 ENGINE	C
1	7027235	1	Dipstick	
1	70000044	1	O-Ring	
2	7020465	1	Cap, Filler	
3	70001850	1	Pump, Oil Lube	
3	7020468	1	Seal Between Oil Pump and Engine Block (Not Shown)	
4	7016331	1	Filter, Oil	
5		Ref	Injector Pump Options:	
		Ref	Note: Series Letter is shown on label at base of Injector Pump.	
5	70001128	AR	"A" Series	
5	70001129	AR	"B" Series	
5	70001130	AR	"C" Series	
5	70001131	AR	"D" Series	
6	7016328	1	Filter, Fuel	
7	70000916	1	Pump Fuel Supply	
7	70001435	1	Repair Kit	
7	70000917	1	O-Seal Between Fuel Pump and Engine Block (Not Shown)	
7	70000919	1	Pump, Hand (Not Shown)	
8	7020414	1	V-Belt	
9	7020471	4	Gasket, Exhaust Manifold to Cylinder Head (Not Shown)	
9	7020486	1	Gasket, Exhaust Manifold to Exhaust Pipe (Not Shown)	
10	70001867	1	Alternator	
10	70001868	1	Regulator, Voltage (Not Shown)	
10	70001866	1	Seal (Not Shown)	
11	7020479	1	Starter (Not Shown - Located on Right Side of Engine)	
11	7026608	1	Solenoid	
11	70001498	1	Baffle, Cooling (Not Shown)	
12	7027791	1	Sender, Coolant Temperature	
13	7027790	1	Sensor, Oil Pressure	
14	7024565	1	Sensor, Speed	
15	7027792	1	Actuator, Throttle	
15	7027276	2	Spring	
16	70003475	1	Thermostat	
17	70001870	1	Flywheel (Not Shown)	
17	7024579	1	Gear, Ring (Not Shown)	
18	70003472	1	Bracket, Oil Filter (Includes Temperature Sensor Components)	
18	7027236	1	Sensor, Temperature	
18	700025082	1	Ring, Sealing	
18	70003473	1	Gasket, Bracket to Engine Block (Not Shown)	
19	7027239	1	Solenoid, Start (Not Shown)	
20	7027240	1	Turbocharger (Not Shown)	
20	70001857	1	Flange, Turbocharger (Not Shown)	
20	70001135	1	Gasket (Not Shown)	
20	70002675	2	Clamp (Not Shown - Used on Sleeve rising vertically from Turbo)	
20	70002676	1	Sleeve, Rubber (Not Shown - Rises vertically from Turbo)	
21	7027795	1	Module, Engine Control	
21	7027796	1	Harness, Controller (Not Shown)	
22		Ref	Gasket Options (Not Shown):	
22	70000068	1	Gasket, Breather Pipe	
22	70002677	1	Gasket, Valve Cover	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
22		Ref	Gasket, Cylinder Head	
22	70002415	1	1 Notch	
22	70002416	1	2 Notches	
22	70002417	1	3 Notches	
22	70001871	4	Gasket, Air Intake Manifold	
23	70001847	1	Valve, Breather (Located - Front Cover) (Not Shown)	
23	70001125	1	Cap, Breather (Located - Cylinder Head Cover) (Not Shown)	
23	70001126	1	O-Ring (Not Shown)	
24	70000345	4	Plug, Glow (Not Shown)	
25	70001124	1	Pipe, Breather	
25	70000068	1	Gasket, Breather Pipe	
26	70004268	2	Connector, Radiator	
26	70004269	2	Ring, Sealing	
27	70002718	1	Seal, Rear Main (Not Shown)	
28	70001869	1	Engine Harness (Not Shown) (For other replacement parts refer to Deutz TD2011 engine dealer)	

FIGURE 3-14. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

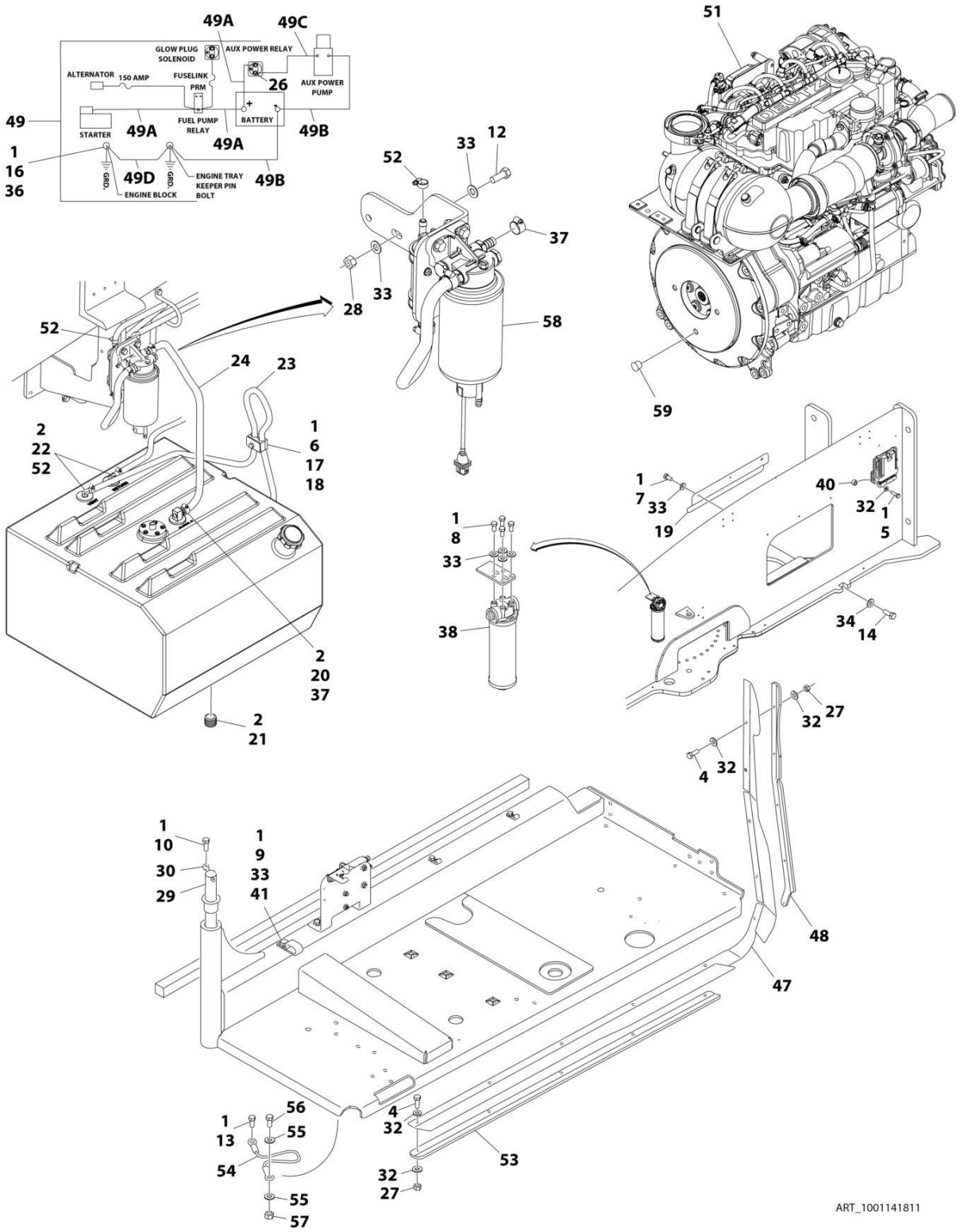


FIGURE 3-14. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141811	Ref	DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)	J
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
4	0641408	10	Bolt 1/4 x 1	
5	0641410	4	Bolt 1/4 x 1-1/4	
6	0641511	1	Bolt 5/16 x 1-3/8	
7	0641605	3	Bolt 3/8 x 5/8	
8	0641606	4	Bolt 3/8 x 3/4	
9	0641608	1	Bolt 3/8 x 1	
10	0641610	1	Bolt 3/8 x 1-1/4	
12	0641612	2	Bolt 3/8 x 1-1/2	
13	0641808	1	Bolt 1/2 x 1	
14	0642010	1	Bolt 5/8 x 1-1/4	
16	0761210	1	Bolt M12 x 20	
17	1320187	1	Clamp	
18	1320190	1	Cover, Clamp	
19	1671121	1	Cover	
20	2180832	1	Fitting, Barbed	
21	2200222	1	Plug, Pipe **(SN 0300209000 through 0300237553)**	
22	2220313	2	Fitting, 90 Barbed	
23	1001165035	5 ft/1.5m	Hose **(SN 0300209000 through 0300217396)**	
23	2750532	5 ft/1.5m	Hose **(SN 0300217397 through 0300272505)**	
24	1001154405	2 ft/0.6m	Hose	
26	3300220	2	Nut 5/16	
27	3311405	10	Nut 1/4	
28	3311605	2	Nut 3/8	
29	3422446	1	Pin, Pivot	
30	3841143	1	Pin, Keeper	
31	4240018	2	Strap, Tie (Not Shown)	
32	4711400	24	Washer 1/4	
33	4711600	12	Washer 3/8	
34	4752000	1	Washer 5/8	
36	4812100	1	Washer M12	
37	8405006	2	Clamp	
38	1001108617	1	Filter	
38	70002231	1	Element, Filter	
40	1001110425	4	Spacer	
41	1001116792	1	Clamp	
43	1001138491	NLA	Harness, Fuel (Use p/n 1001222665) (Not Shown - See ELECTRICAL SECTION for Breakdown)	
47	1001140604	1	Panel, Rubber	
48	1001145089	1	Clamp	
49	1001141225	1	Battery Cable Kit	E
49A	7027042	1	Cable, Battery (Red) (Battery + to Relays and Starter)	
49B	7027043	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump	
49C	7027044	1	Cable (Red) (Aux Relay to Aux Pump)	
49D	7027045	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	1001141812	1	Deutz TCD2.9L4 Engine Sub-Assembly (See DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) for Breakdown)	
52	1320022	3	Clamp	
53	1001145842	1	Plate, Clamping	
54	1001131542	1	Lanyard	
55	4711700	2	Washer 7/16	
56	0641708	1	Bolt 7/16 x 1	
57	3311705	1	Nut 7/16	
58	1001165101	1	Bracket, Fuel Pump/Filter Assembly (See FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE) for Breakdown)	
59	3520054	1	Plug, Hole	

FIGURE 3-15. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

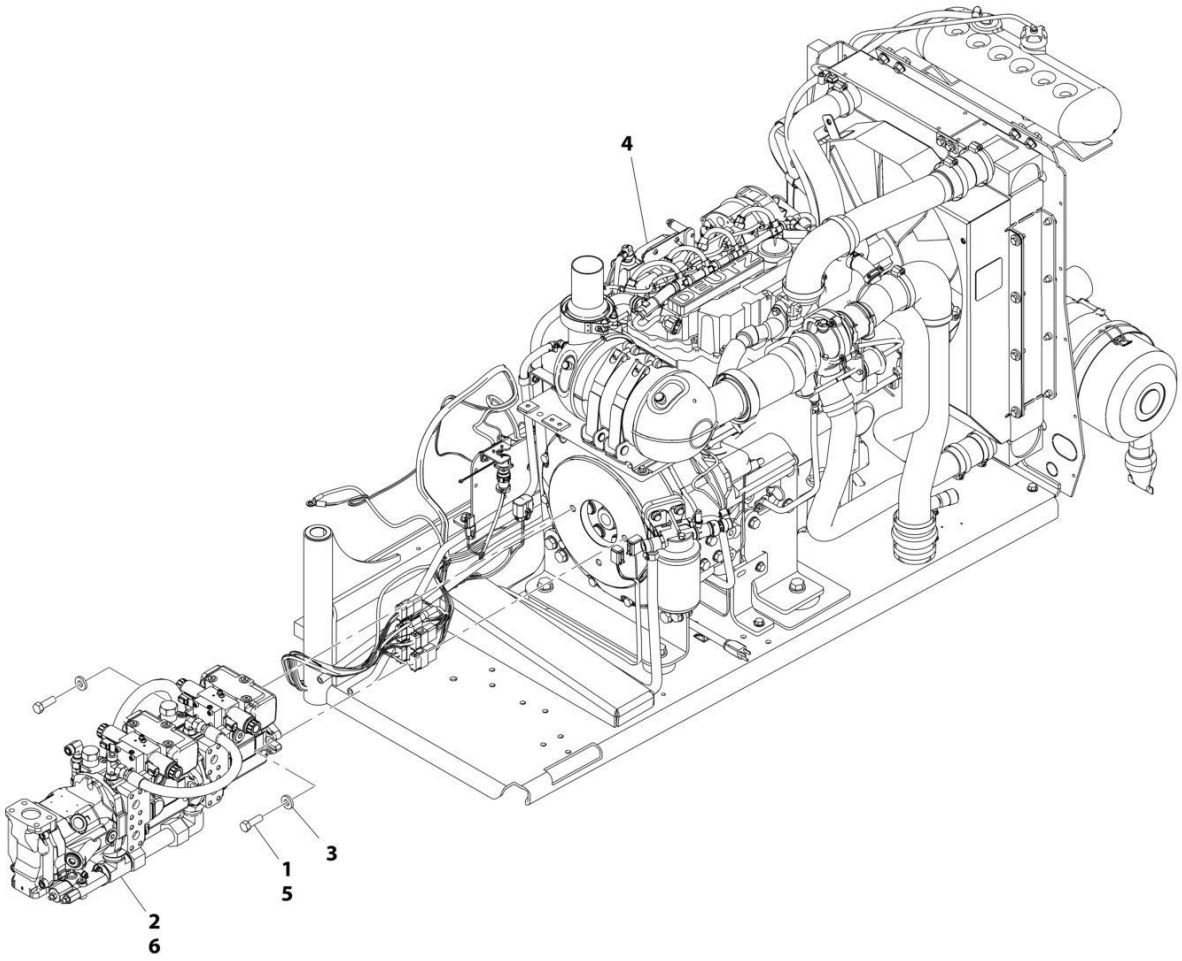


FIGURE 3-15. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141812	Ref	DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)	Y
1	0641812	2	Bolt 1/2 x 1-1/2	
2	3020037	AR	Grease, Pump Coupling	
3	4891800	2	Washer 1/2	
4	1001134392	1	Deutz TCD2.9L4 Engine Assembly (See DEUTZ TCD2.9L4 ENGINE ASSEMBLY – WITHOUT COLD WEATHER PLUS PACKAGE for Breakdown)	
5	0100011	AR	Compound, Locking	
6	1001152963	1	Pump Assembly - Rexroth (See PUMP ASSEMBLY (REXROTH) (DEUTZ TCD2.9L4 ENGINES) for Breakdown)	

FIGURE 3-16. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)

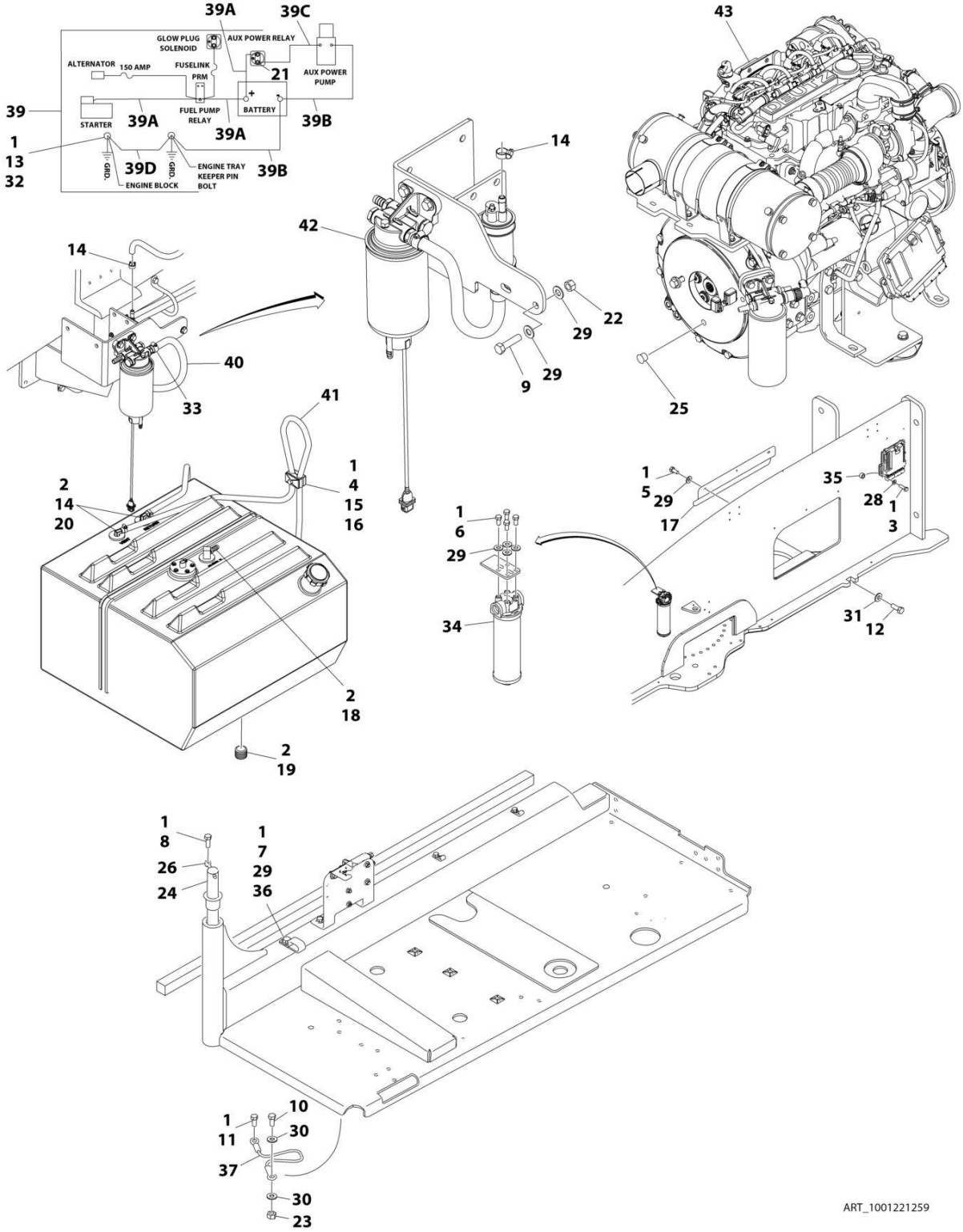


FIGURE 3-16. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221259	Ref	DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)	C
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
3	0641410	4	Bolt 1/4 x 1-1/4	
4	0641511	1	Bolt 5/16 x 1-3/8	
5	0641605	3	Bolt 3/8 x 5/8	
6	0641606	4	Bolt 3/8 x 3/4	
7	0641608	1	Bolt 3/8 x 1	
8	0641610	1	Bolt 3/8 x 1-1/4	
9	0641612	2	Bolt 3/8 x 1-1/2	
10	0641708	1	Bolt 7/16 x 1	
11	0641808	1	Bolt 1/2 x 1	
12	0642010	1	Bolt 5/8 x 1-1/4	
13	0761210	1	Bolt M12 x 20	
14	1320022	3	Clamp	
15	1320187	1	Clamp	
16	1320190	1	Cover, Clamp	
17	1671121	1	Cover	
18	2180832	1	Fitting, Barbed	
19	2200222	1	Plug, Pipe **(SN 0300209000 through 0300239674)**	
20	2220313	2	Fitting, 90 Barbed	
21	3300220	2	Nut 5/16	
22	3311605	2	Nut 3/8	
23	3311705	1	Nut 7/16	
24	3422446	1	Pin, Pivot	
25	3520054	1	Plug, Hole	
26	3841143	1	Pin, Keeper	
27	4240018	2	Strap, Tie (Not Shown)	
28	4711400	4	Washer 1/4	
29	4711600	12	Washer 3/8	
30	4711700	2	Washer 7/16	
31	4752000	1	Washer 5/8	
32	4812100	1	Washer M12	
33	8405006	2	Clamp **(SN 0300209000 through 0300239674)**	
34	1001108617	1	Filter	
34	70002231	1	Element, Filter	
35	1001110425	4	Spacer	
36	1001116792	1	Clamp	
37	1001131542	1	Lanyard	
38	1001138491	NLA	Harness, Fuel (Use p/n 1001222665) (Not Shown - See ELECTRICAL SECTION for Breakdown)	
39	1001141225	1	Battery Cable Kit	E
39A	7027042	1	Cable, Battery (Red) (Battery + to Relays and Starter)	
39B	7027043	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump	
39C	7027044	1	Cable (Red) (Aux Relay to Aux Pump)	
39D	7027045	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
40	1001154405	2 ft/ 0.6m	Hose **(SN 0300209000 through 0300239674)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	1001165035	5 ft/ 1.5m	Hose **(SN 0300209000 through 0300239674)**	
41	2750532	5 ft/ 1.5m	Hose **(SN 0300239675 through 0300272505)**	
42	1001165101	1	Bracket, Fuel Pump/Filter Assembly (See FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE) for Breakdown) **(SN 0300209000 through 0300239674)**	
42	1001227606	1	Bracket, Fuel Pump/Filter Assembly (See FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE) for Breakdown) **(SN 0300239675 through 0300272505)**	
43	1001221263	1	Deutz TCD2.9L4 Engine Sub-Assembly (See DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) for Breakdown)	

FIGURE 3-17. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)

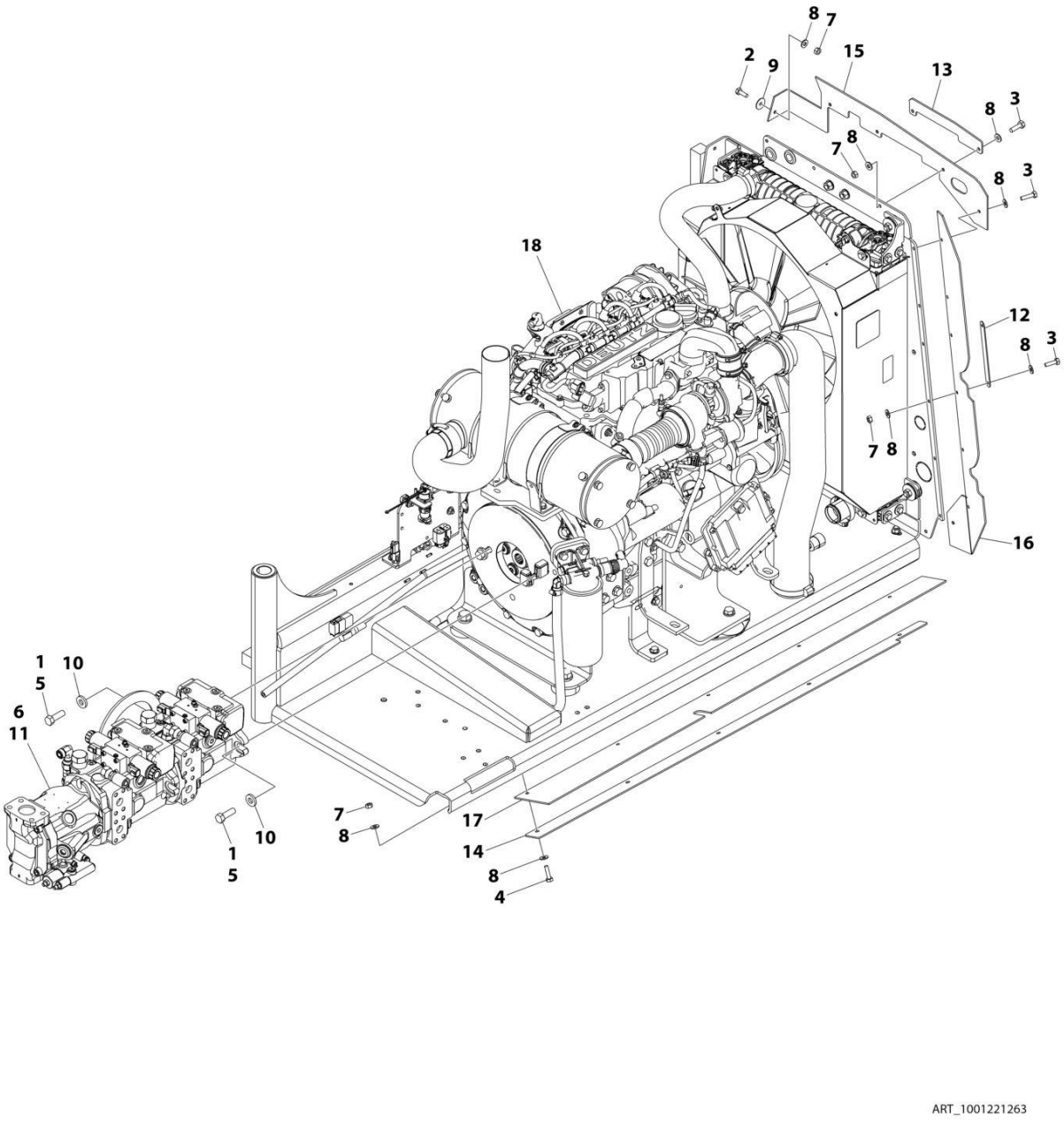


FIGURE 3-17. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221263	Ref	DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)	I
1	0100011	AR	Compound, Locking	
2	0641406	AR	Bolt 1/4 x 3/4	
3	0641407	8	Bolt 1/4 x 7/8	
4	0641408	AR	Bolt 1/4 x 1	
5	0641812	2	Bolt 1/2 x 1-1/2	
6	3020037	AR	Grease, Pump Coupling **(SN 0300209000 through 0300239674)**	
7	3311405	16	Nut 1/4	
8	4711400	AR	Washer 1/4	
9	4740430	AR	Washer, Fender	
10	4891800	2	Washer 1/2	
11	1001152963	1	Pump Assembly - Rexroth (See PUMP ASSEMBLY (REXROTH) (DEUTZ TCD2.9L4 ENGINES) for Breakdown)	
12	1001167164	3	Plate, Support	
13	1001177945	1	Bracket	
14	1001177946	1	Bracket	
15	1001177957	1	Seal, Rubber Baffle	
16	1001177958	1	Seal, Rubber Baffle	
17	1001177959	1	Seal, Rubber Baffle	
18	1001220735	1	Deutz TCD2.9L4 Engine Assembly (See DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE for Breakdown)	

FIGURE 3-18. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH COLD WEATHER PLUS PACKAGE)

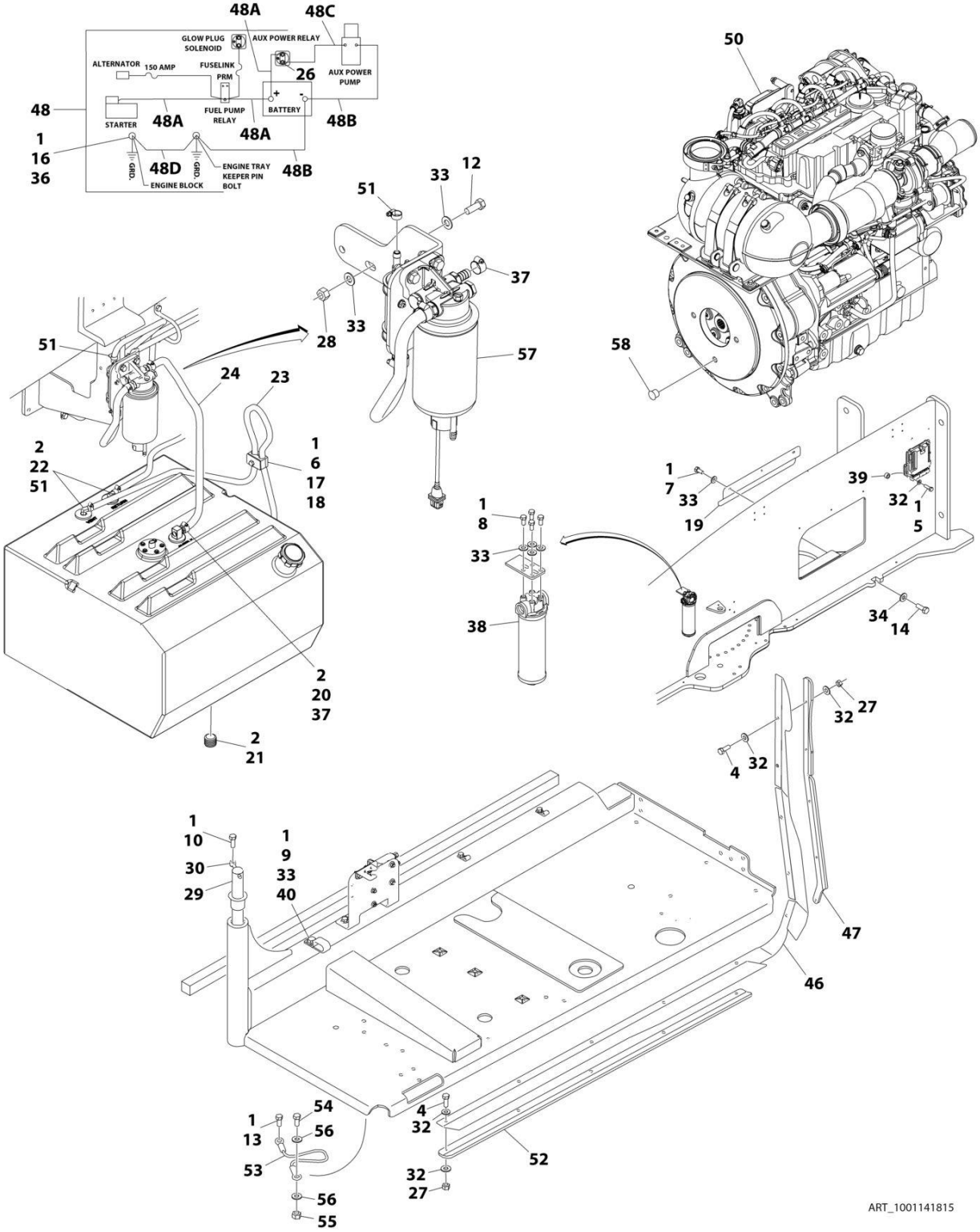


FIGURE 3-18. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141815	Ref	DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH COLD WEATHER PLUS PACKAGE)	L
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
4	0641408	10	Bolt 1/4 x 1	
5	0641410	4	Bolt 1/4 x 1-1/4	
6	0641511	1	Bolt 5/16 x 1-3/8	
7	0641605	3	Bolt 3/8 x 5/8	
8	0641606	4	Bolt 3/8 x 3/4	
9	0641608	1	Bolt 3/8 x 1	
10	0641610	1	Bolt 3/8 x 1-1/4	
12	0641612	2	Bolt 3/8 x 1-1/2	
13	0641808	1	Bolt 1/2 x 1	
14	0642010	1	Bolt 5/8 x 1-1/4	
16	0761210	1	Bolt M12 x 20	
17	1320187	1	Clamp	
18	1320190	1	Cover, Clamp	
19	1671121	1	Cover	
20	2180832	1	Fitting, Barbed	
21	2200222	1	Plug, Pipe **(SN 0300209000 through 0300237553)**	
22	2220313	2	Fitting, 90 Barbed	
23	1001165035	5 ft/1.5m	Hose **(SN 0300209000 through 0300217396)**	
23	2750532	5 ft/1.5m	Hose **(SN 0300217397 through 0300272505)**	
24	1001154405	2 ft/0.6m	Hose	
26	3300220	2	Nut 5/16	
27	3311405	10	Nut 1/4	
28	3311605	2	Nut 3/8	
29	3422446	1	Pin, Pivot	
30	3841143	1	Pin, Keeper	
31	4240018	2	Strap, Tie (Not Shown)	
32	4711400	24	Washer 1/4	
33	4711600	12	Washer 3/8	
34	4752000	1	Washer 5/8	
36	4812100	1	Washer M12	
37	8405006	2	Clamp	
38	1001108617	1	Filter	
38	70002231	1	Element, Filter	
39	1001110425	4	Spacer	
40	1001116792	1	Clamp	
42	1001138491	NLA	Harness, Fuel (Use p/n 1001222665) (Not Shown - See ELECTRICAL SECTION for Breakdown)	
46	1001140604	1	Panel, Rubber	
47	1001145089	1	Clamp	
48	1001141225	1	Battery Cable Kit	E
48A	7027042	1	Cable, Battery (Red) (Battery + to Relays and Starter)	
48B	7027043	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump	
48C	7027044	1	Cable (Red) (Aux Relay to Aux Pump)	
48D	7027045	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001141813	1	Deutz TCD2.9L4 Engine Sub-Assembly (See DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITH COLD WEATHER PLUS PACKAGE) for Breakdown)	
51	1320022	3	Clamp	
52	1001145842	1	Plate, Clamping	
53	1001131542	1	Lanyard	
54	0641708	1	Bolt 7/16 x 1	
55	3311705	1	Nut 7/16	
56	4711700	2	Washer 7/16	
57	1001165101	1	Bracket, Fuel Pump/Filter Assembly (See FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE) for Breakdown)	
58	3520054	1	Plug, Hole	

FIGURE 3-19. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITH COLD WEATHER PLUS PACKAGE)

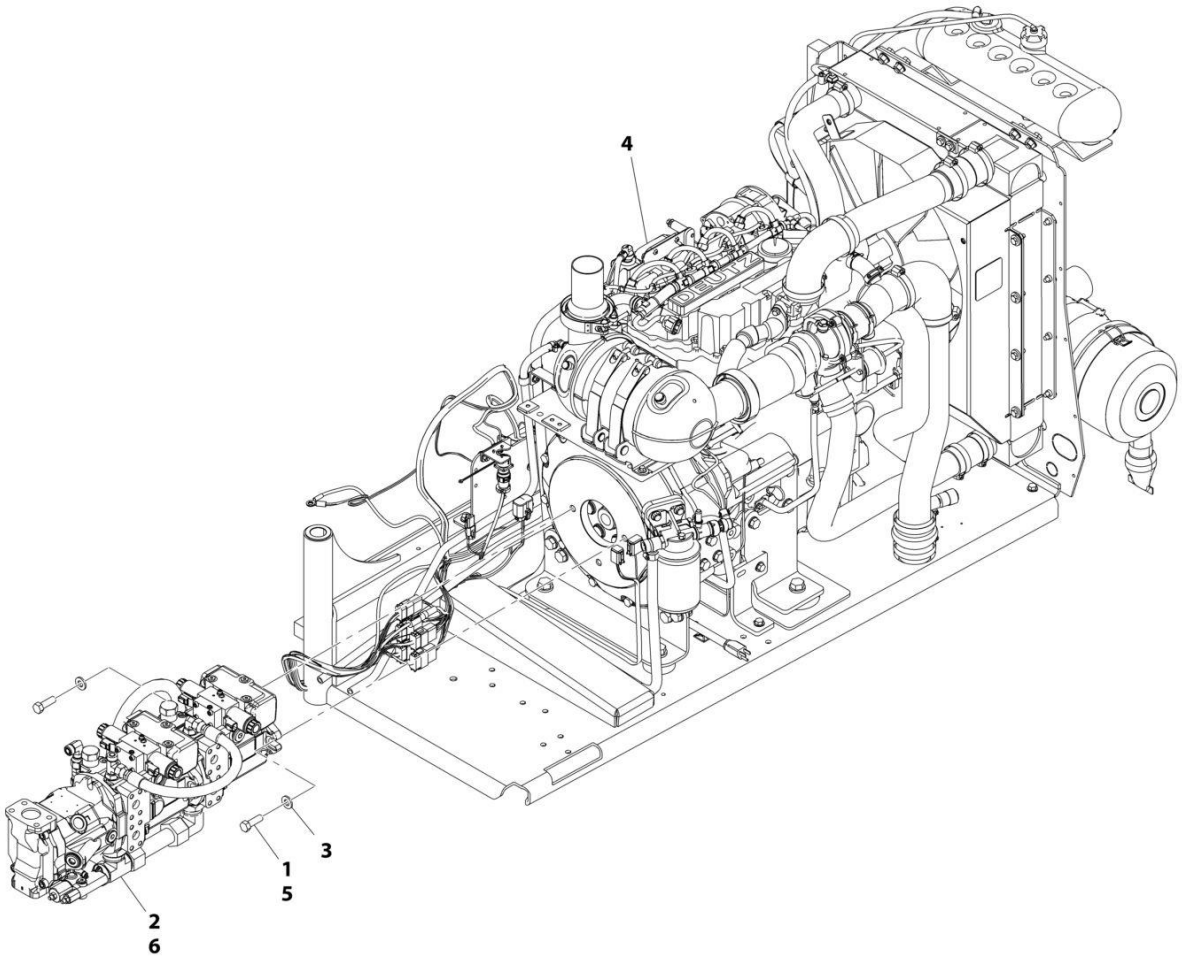


FIGURE 3-19. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITH COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141813	Ref	DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITH COLD WEATHER PLUS PACKAGE)	AA
1	0641812	2	Bolt 1/2 x 1-1/2	
2	3020037	AR	Grease, Pump Coupling	
3	4740171	2	Washer 1/2	
4	1001141746	1	Deutz TCD2.9L4 Engine Assembly (See DEUTZ TCD2.9L4 ENGINE ASSEMBLY – WITH COLD WEATHER PLUS PACKAGE for Breakdown)	
5	0100011	AR	Compound, Locking	
6	1001152963	1	Pump Assembly - Rexroth (See PUMP ASSEMBLY (REXROTH) (DEUTZ TCD2.9L4 ENGINES) for Breakdown)	

FIGURE 3-20. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

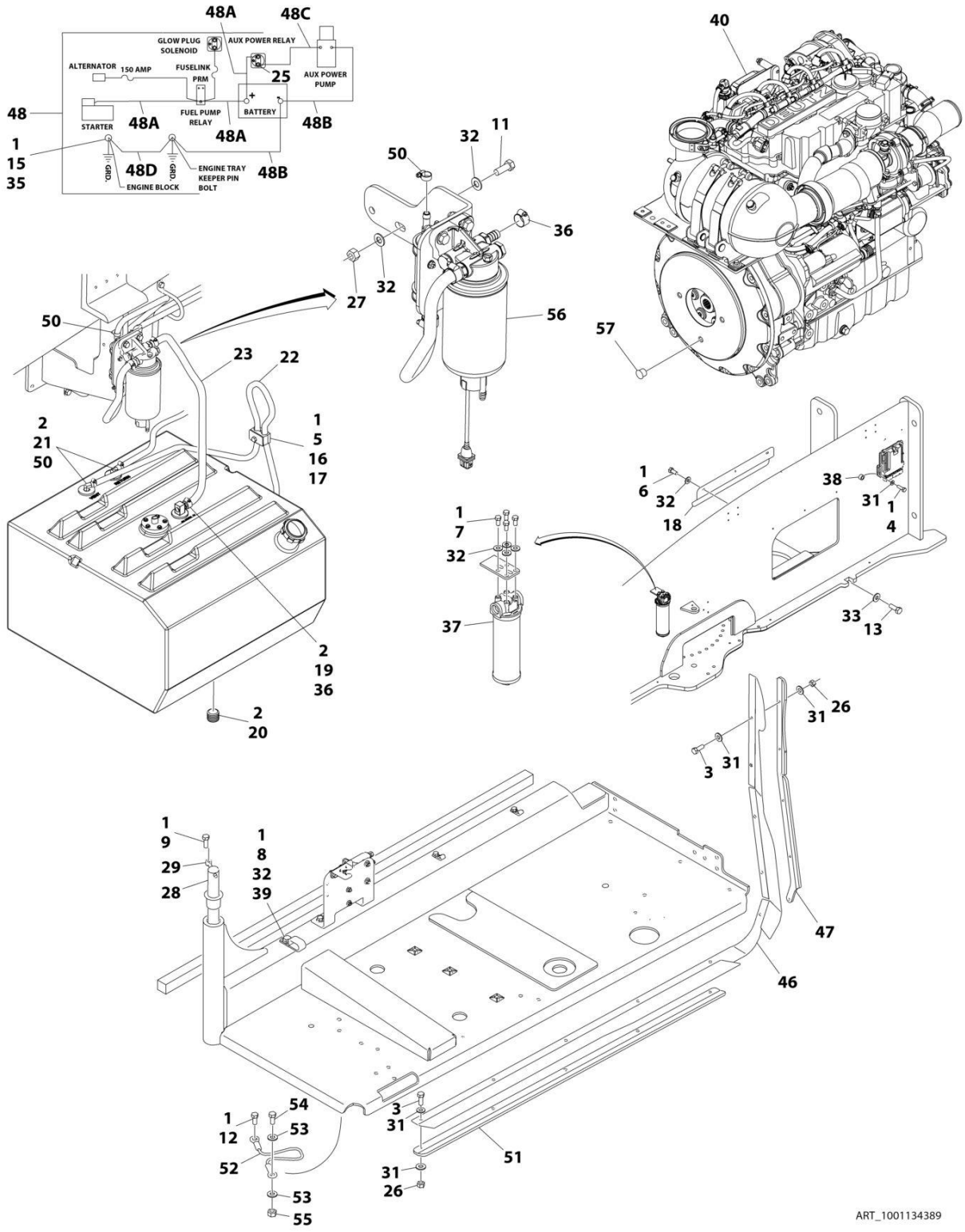


FIGURE 3-20. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001134389	Ref	DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)	J
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
3	0641408	10	Bolt 1/4 x 1	
4	0641410	4	Bolt 1/4 x 1-1/4	
5	0641511	1	Bolt 5/16 x 1-3/8	
6	0641605	3	Bolt 3/8 x 5/8	
7	0641606	4	Bolt 3/8 x 3/4	
8	0641608	1	Bolt 3/8 x 1	
9	0641610	1	Bolt 3/8 x 1-1/4	
11	0641612	2	Bolt 3/8 x 1-1/2	
12	0641808	1	Bolt 1/2 x 1	
13	0642010	1	Bolt 5/8 x 1-1/4	
15	0761210	1	Bolt M12 x 20	
16	1320187	1	Clamp	
17	1320190	1	Cover, Clamp	
18	1671121	1	Cover	
19	2180832	1	Fitting, Barbed	
20	2200222	1	Plug, Pipe **(SN 0300209000 through 0300237553)**	
21	2220313	2	Fitting, 90 Barbed	
22	1001165035	5 ft/1.5m	Hose **(SN 0300209000 through 0300217396)**	
22	2750532	5 ft/1.5m	Hose **(SN 0300217397 through 0300272505)**	
23	1001154405	2 ft/0.6m	Hose	
25	3300220	2	Nut 5/16	
26	3311405	10	Nut 1/4	
27	3311605	2	Nut 3/8	
28	3422446	1	Pin, Pivot	
29	3841143	1	Pin, Keeper	
30	4240018	2	Strap, Tie (Not Shown)	
31	4711400	24	Washer 1/4	
32	4711600	12	Washer 3/8	
33	4752000	1	Washer 5/8	
35	4812100	1	Washer M12	
36	8405006	2	Clamp	
37	1001108617	1	Filter	
37	70002231	1	Element, Filter	
38	1001110425	4	Spacer	
39	1001116792	1	Clamp	
40	1001134390	1	Deutz TCD2.9L4 Engine Sub-Assembly (See DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) for Breakdown)	
42	1001138491	NLA	Harness, Fuel (Use p/n 1001222665) (Not Shown - See ELECTRICAL SECTION for Breakdown)	
46	1001140604	1	Panel, Rubber	
47	1001145089	1	Clamp	
48	1001141225	1	Battery Cable Kit	E
48A	7027042	1	Cable, Battery (Red) (Battery + to Relays and Starter)	
48B	7027043	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48C	7027044	1	Cable (Red) (Aux Relay to Aux Pump)	
48D	7027045	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
50	1320022	3	Clamp	
51	1001145842	1	Plate, Clamping	
52	1001131542	1	Lanyard	
53	4711700	2	Washer 7/16	
54	0641708	1	Bolt 7/16 x 1	
55	3311705	1	Nut 7/16	
56	1001165101	1	Bracket, Fuel Pump/Filter Assembly (See FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE) for Breakdown)	
57	3520054	1	Plug, Hole	

FIGURE 3-21. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

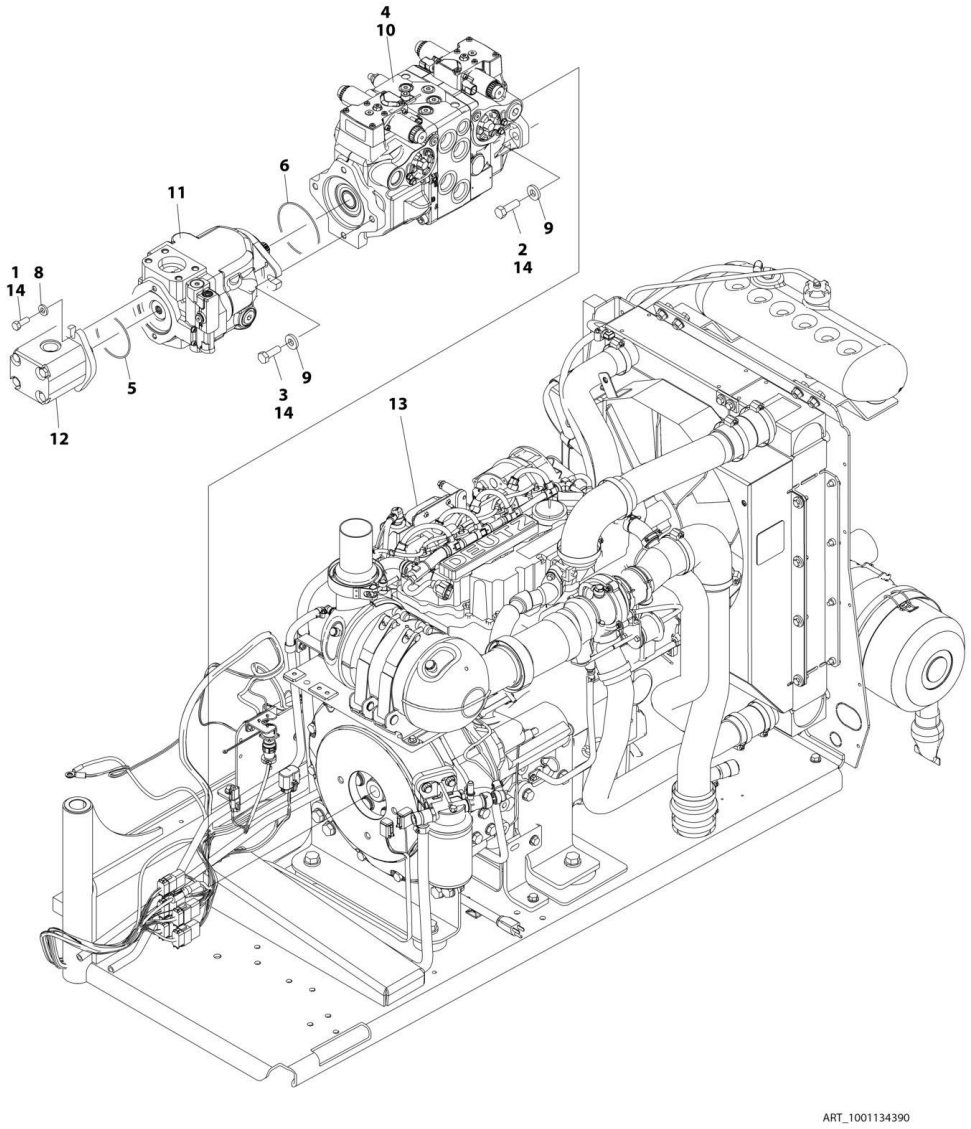


FIGURE 3-21. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001134390	Ref	DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)	Y
1	0641608	2	Bolt 3/8 x 1	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	0761215	2	Bolt M12 x 35	
4	3020037	AR	Grease, Pump Coupling	
5	3790152	1	O-Ring	
6	3790155	1	O-Ring	
8	4891600	2	Washer 3/8	
9	4891800	4	Washer 1/2	
10	1001108616	1	Pump Assembly (Sauer Tandem) (See PUMP ASSEMBLY (SAUER TANDEM) for Breakdown)	
11	1001171095	1	Pump Assembly (Sauer Piston) (See PUMP ASSEMBLY (SAUER PISTON) for Breakdown)	
12	1001112927	1	Pump Assembly (Sauer Gear) (See PUMP ASSEMBLY (SAUER GEAR) for Breakdown)	
13	1001134392	1	Deutz TCD2.9L4 Engine Assembly (See DEUTZ TCD2.9L4 ENGINE ASSEMBLY – WITHOUT COLD WEATHER PLUS PACKAGE for Breakdown)	
14	0100011	AR	Compound, Locking	

FIGURE 3-22. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)

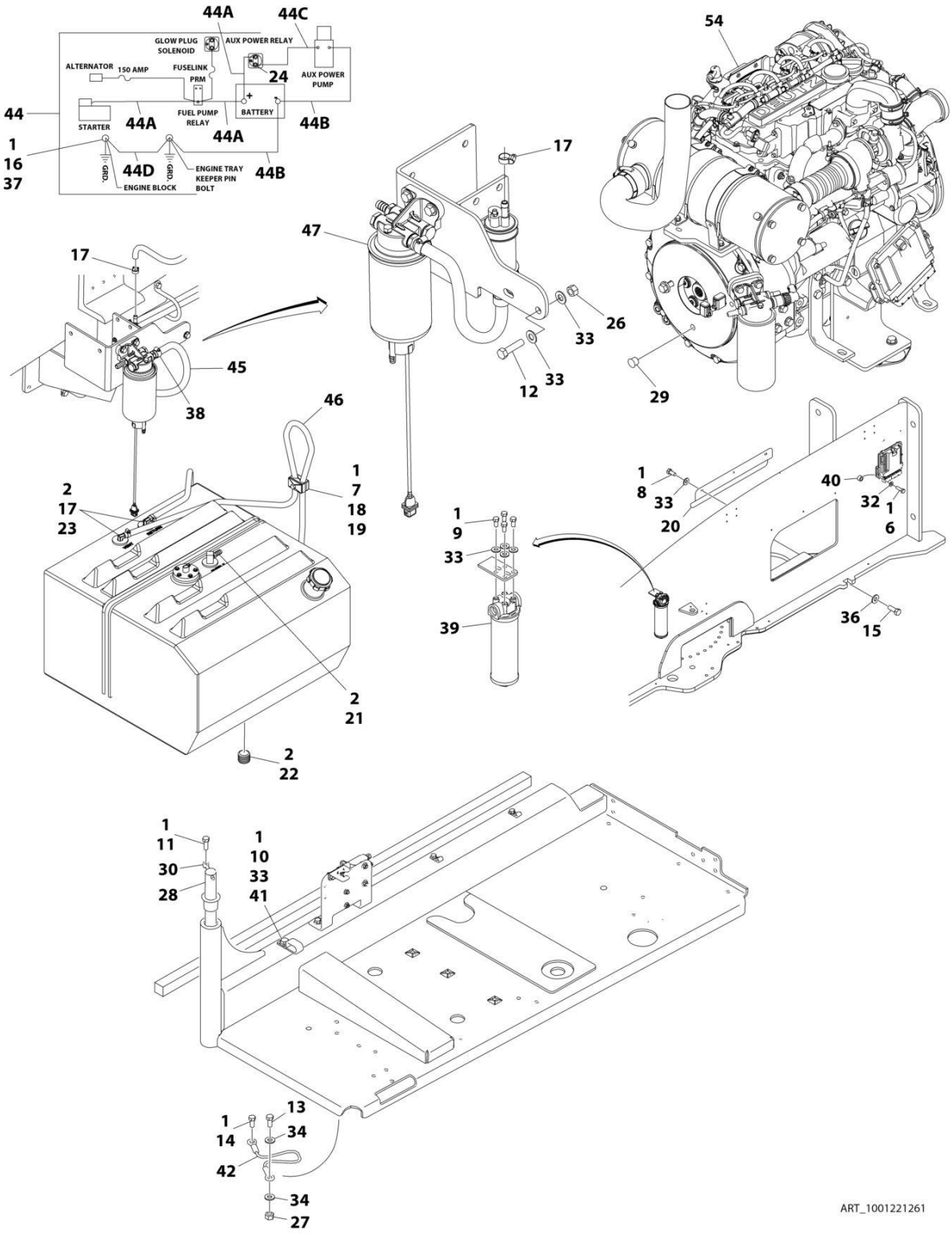


FIGURE 3-22. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221261	Ref	DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)	D
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
6	0641410	4	Bolt 1/4 x 1-1/4	
7	0641511	1	Bolt 5/16 x 1-3/8	
8	0641605	3	Bolt 3/8 x 5/8	
9	0641606	4	Bolt 3/8 x 3/4	
10	0641608	1	Bolt 3/8 x 1	
11	0641610	1	Bolt 3/8 x 1-1/4	
12	0641612	2	Bolt 3/8 x 1-1/2	
13	0641708	1	Bolt 7/16 x 1	
14	0641808	1	Bolt 1/2 x 1	
15	0642010	1	Bolt 5/8 x 1-1/4	
16	0761210	1	Bolt M12 x 20	
17	1320022	3	Clamp	
18	1320187	1	Clamp	
19	1320190	1	Cover, Clamp	
20	1671121	1	Cover	
21	2180832	1	Fitting, Barbed	
22	2200222	1	Plug, Pipe **(SN 0300209000 through 0300239674)**	
23	2220313	2	Fitting, 90 Barbed	
24	3300220	2	Nut 5/16	
26	3311605	2	Nut 3/8	
27	3311705	1	Nut 7/16	
28	3422446	1	Pin, Pivot	
29	3520054	1	Plug, Hole	
30	3841143	1	Pin, Keeper	
31	4240018	2	Strap, Tie (Not Shown)	
32	4711400	4	Washer 1/4	
33	4711600	12	Washer 3/8	
34	4711700	2	Washer 7/16	
36	4752000	1	Washer 5/8	
37	4812100	1	Washer M12	
38	8405006	2	Clamp **(SN 0300209000 through 0300239674)**	
39	1001108617	1	Filter	
39	70002231	1	Element, Filter	
40	1001110425	4	Spacer	
41	1001116792	1	Clamp	
42	1001131542	1	Lanyard	
43	1001138491	NLA	Harness, Fuel (Use p/n 1001222665) (Not Shown - See ELECTRICAL SECTION for Breakdown)	
44	1001141225	1	Battery Cable Kit	E
44A	7027042	1	Cable, Battery (Red) (Battery + to Relays and Starter)	
44B	7027043	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump	
44C	7027044	1	Cable (Red) (Aux Relay to Aux Pump)	
44D	7027045	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
45	1001154405	2 ft/ 0.6m	Hose **(SN 0300209000 through 0300239674)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001165035	5 ft/ 1.5m	Hose **(SN 0300209000 through 0300239674)**	
46	2750532	5 ft/ 1.5m	Hose **(SN 0300239675 through 0300272505)**	
47	1001165101	1	Bracket, Fuel Pump/Filter Assembly (See FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE) for Breakdown) **(SN 0300209000 through 0300239674)**	
47	1001227606	1	Bracket, Fuel Pump/Filter Assembly (See FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE) for Breakdown) **(SN 0300239675 through 0300272505)**	
54	1001221265	1	Deutz TCD2.9L4 Engine Sub-Assembly (See DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) for Breakdown)	

FIGURE 3-23. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)

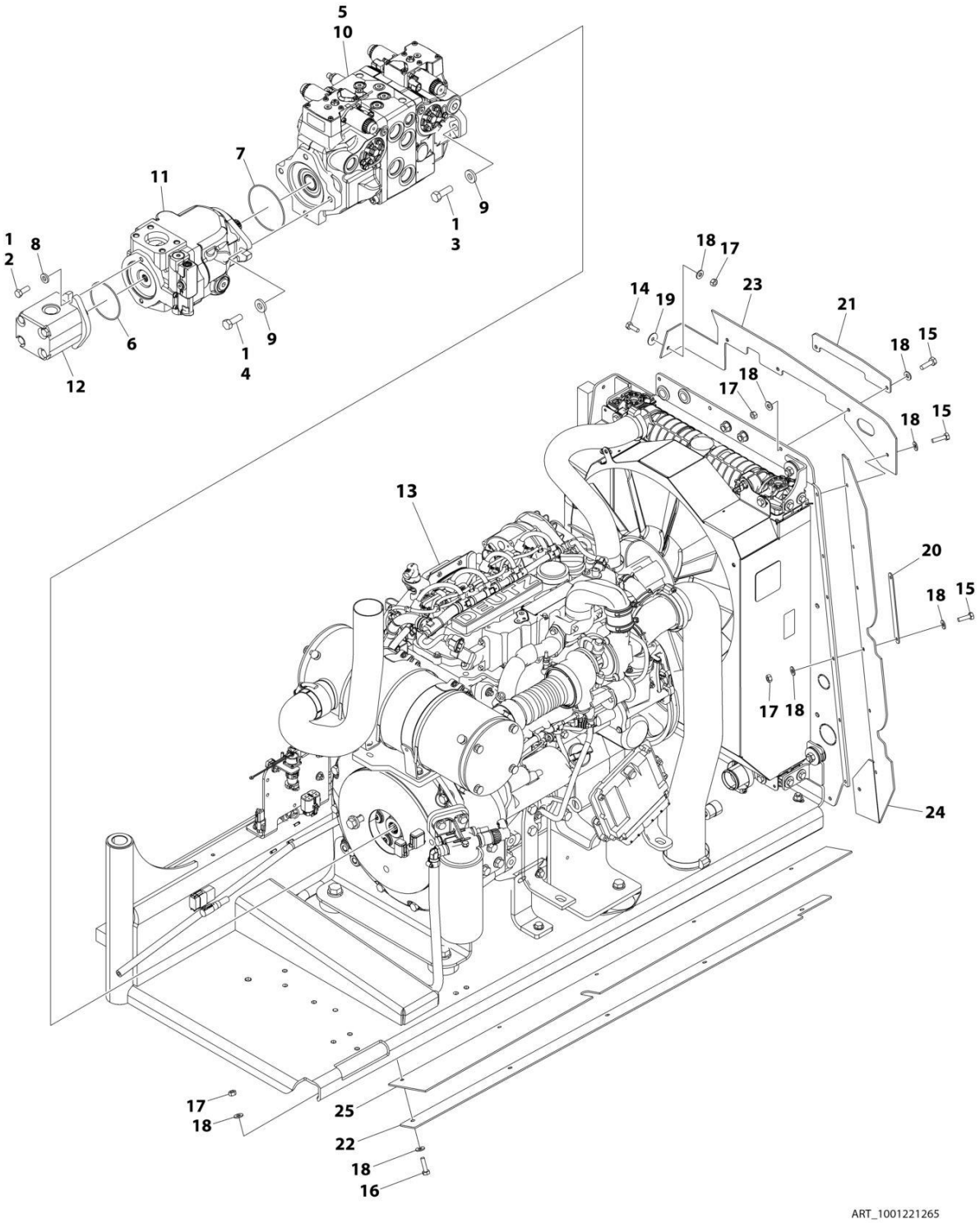


FIGURE 3-23. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221265	Ref	DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY)	J
1	0100011	AR	Compound, Locking	
2	0641608	2	Bolt 3/8 x 1	
3	0641812	2	Bolt 1/2 x 1-1/2	
4	0761215	2	Bolt M12 x 35	
5	3020037	AR	Grease, Pump Coupling **(SN 0300209000 through 0300239674)**	
6	3790152	1	O-Ring	
7	3790155	1	O-Ring	
8	4891600	2	Washer 3/8	
9	4891800	4	Washer 1/2	
10	1001108616	1	Pump Assembly (Sauer Tandem) (See PUMP ASSEMBLY (SAUER TANDEM) for Breakdown)	
11	1001171095	1	Pump Assembly (Sauer Piston) (See PUMP ASSEMBLY (SAUER PISTON) for Breakdown)	
12	1001112927	1	Pump Assembly (Sauer Gear) (See PUMP ASSEMBLY (SAUER GEAR) for Breakdown)	
13	1001220735	1	Deutz TCD2.9L4 Engine Assembly (See DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE for Breakdown)	
14	0641406	AR	Bolt 1/4 x 3/4	
15	0641407	8	Bolt 1/4 x 7/8	
16	0641408	AR	Bolt 1/4 x 1	
17	3311405	16	Nut 1/4	
18	4711400	AR	Washer 1/4	
19	4740430	AR	Washer, Fender	
20	1001167164	3	Plate, Support	
21	1001177945	1	Bracket	
22	1001177946	1	Bracket	
23	1001177957	1	Seal, Rubber Baffle	
24	1001177958	1	Seal, Rubber Baffle	
25	1001177959	1	Seal, Rubber Baffle	

FIGURE 3-24. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)

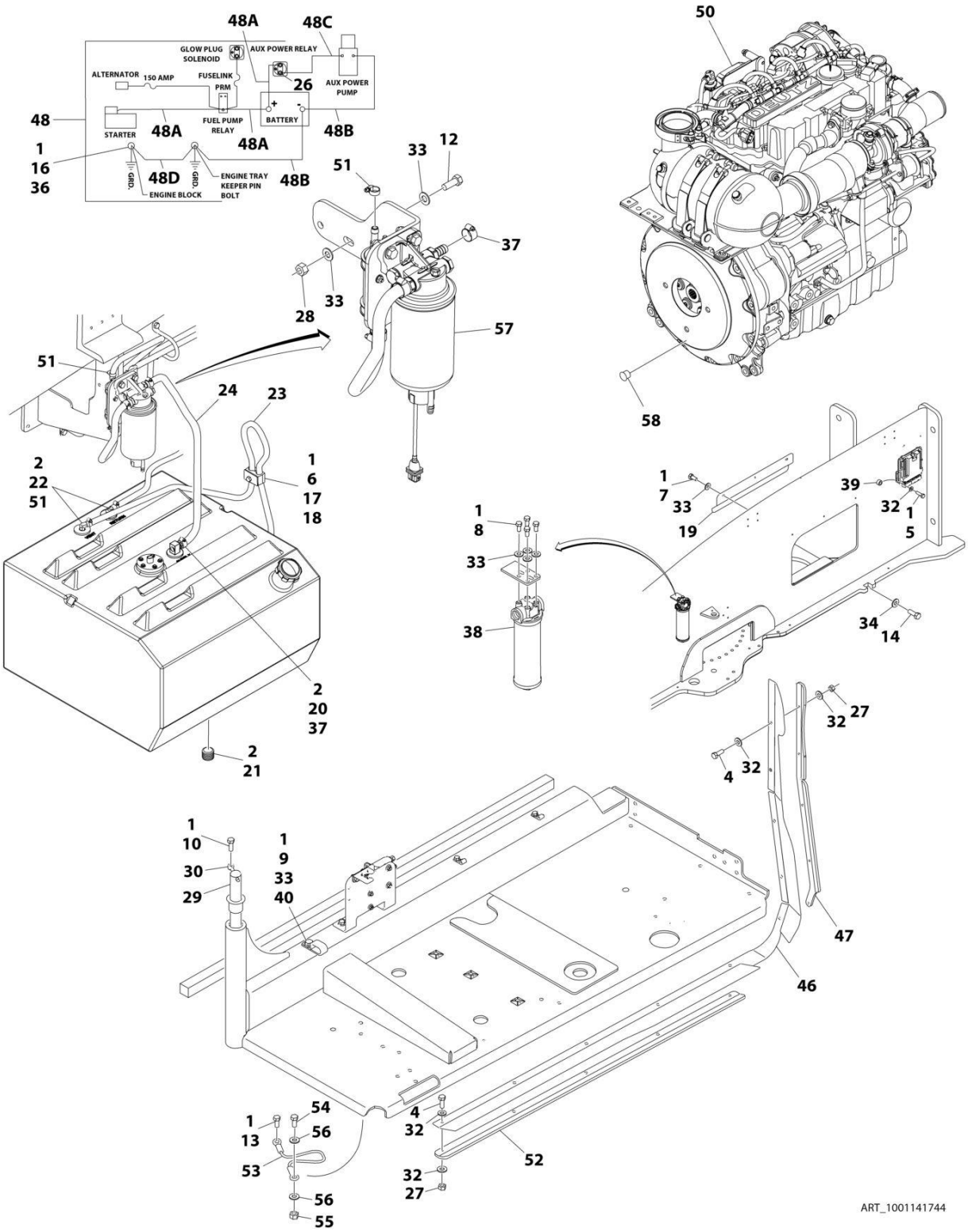


FIGURE 3-24. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141744	Ref	DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)	L
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
4	0641408	10	Bolt 1/4 x 1	
5	0641410	4	Bolt 1/4 x 1-1/4	
6	0641511	1	Bolt 5/16 x 1-3/8	
7	0641605	3	Bolt 3/8 x 5/8	
8	0641606	4	Bolt 3/8 x 3/4	
9	0641608	1	Bolt 3/8 x 1	
10	0641610	1	Bolt 3/8 x 1-1/4	
12	0641612	2	Bolt 3/8 x 1-1/2	
13	0641808	1	Bolt 1/2 x 1	
14	0642010	1	Bolt 5/8 x 1-1/4	
16	0761210	1	Bolt M12 x 20	
17	1320187	1	Clamp	
18	1320190	1	Cover, Clamp	
19	1671121	1	Cover	
20	2180832	1	Fitting, Barbed	
21	2200222	1	Plug, Pipe **(SN 0300209000 through 0300237553)**	
22	2220313	2	Fitting, 90 Barbed	
23	1001165035	5 ft/ 1.5m	Hose **(SN 0300209000 through 0300217396)**	
23	2750532	5 ft/ 1.5m	Hose **(SN 0300217397 through 0300272505)**	
24	1001154405	2 ft/ 0.6m	Hose	
26	3300220	2	Nut 5/16	
27	3311405	10	Nut 1/4	
28	3311605	2	Nut 3/8	
29	3422446	1	Pin, Pivot	
30	3841143	1	Pin, Keeper	
31	4240018	2	Strap, Tie (Not Shown)	
32	4711400	24	Washer 1/4	
33	4711600	12	Washer 3/8	
34	4752000	1	Washer 5/8	
36	4812100	1	Washer M12	
37	8405006	2	Clamp	
38	1001108617	1	Filter	
38	70002231	1	Element, Filter	
39	1001110425	4	Spacer	
40	1001116792	1	Clamp	
42	1001138491	NLA	Harness, Fuel (Use p/n 1001222665) (Not Shown - See ELECTRICAL SECTION for Breakdown)	
46	1001140604	1	Panel, Rubber	
47	1001145089	1	Clamp	
48	1001141225	1	Battery Cable Kit	E
48A	7027042	1	Cable, Battery (Red) (Battery + to Relays and Starter)	
48B	7027043	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump	
48C	7027044	1	Cable (Red) (Aux Relay to Aux Pump)	
48D	7027045	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001141745	1	Deutz TCD2.9L4 Engine Sub-Assembly (See DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE) for Breakdown)	
51	1320022	3	Clamp	
52	1001145842	1	Plate, Clamping	
53	1001131542	1	Lanyard	
54	0641708	1	Bolt 7/16 x 1	
55	3311705	1	Nut 7/16	
56	4711700	2	Washer 7/16	
57	1001165101	1	Bracket, Fuel Pump/Filter Assembly (See FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE) for Breakdown)	
58	3520054	1	Plug, Hole	

FIGURE 3-25. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)

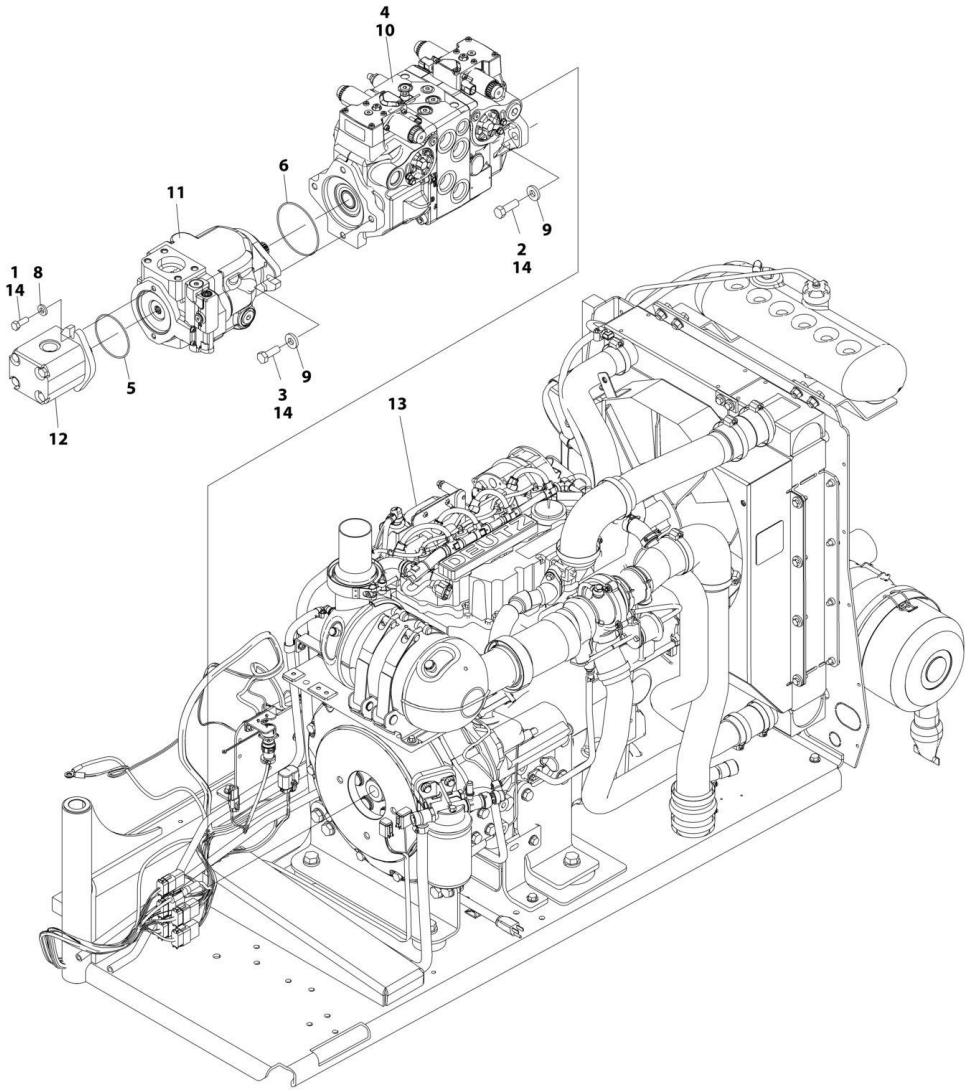
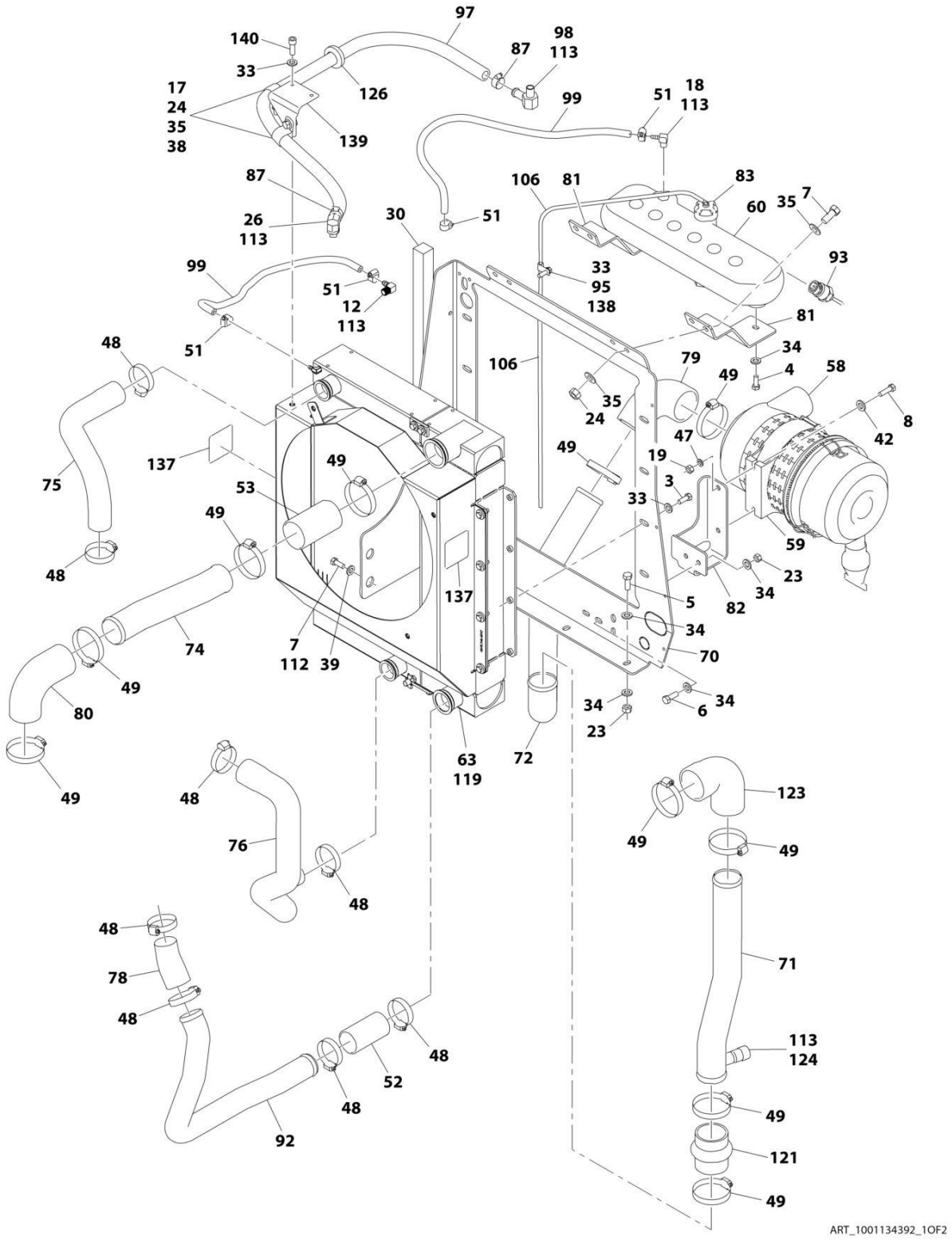


FIGURE 3-25. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141745	Ref	DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)	Y
1	0641608	2	Bolt 3/8 x 1	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	0761215	2	Bolt M12 x 35	
4	3020037	AR	Grease, Pump Coupling	
5	3790152	1	O-Ring	
6	3790155	1	O-Ring	
8	4891600	2	Washer 3/8	
9	4891800	4	Washer 1/2	
10	1001108616	1	Pump Assembly (Sauer Tandem) (See PUMP ASSEMBLY (SAUER TANDEM) for Breakdown)	
11	1001171095	1	Pump Assembly (Sauer Piston) (See PUMP ASSEMBLY (SAUER PISTON) for Breakdown)	
12	1001112927	1	Pump Assembly (Sauer Gear) (See PUMP ASSEMBLY (SAUER GEAR) for Breakdown)	
13	1001141746	1	Deutz TCD2.9L4 Engine Assembly (See DEUTZ TCD2.9L4 ENGINE ASSEMBLY – AND WITH COLD WEATHER PLUS PACKAGE for Breakdown)	
14	0100011	AR	Compound, Locking	

FIGURE 3-26. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE



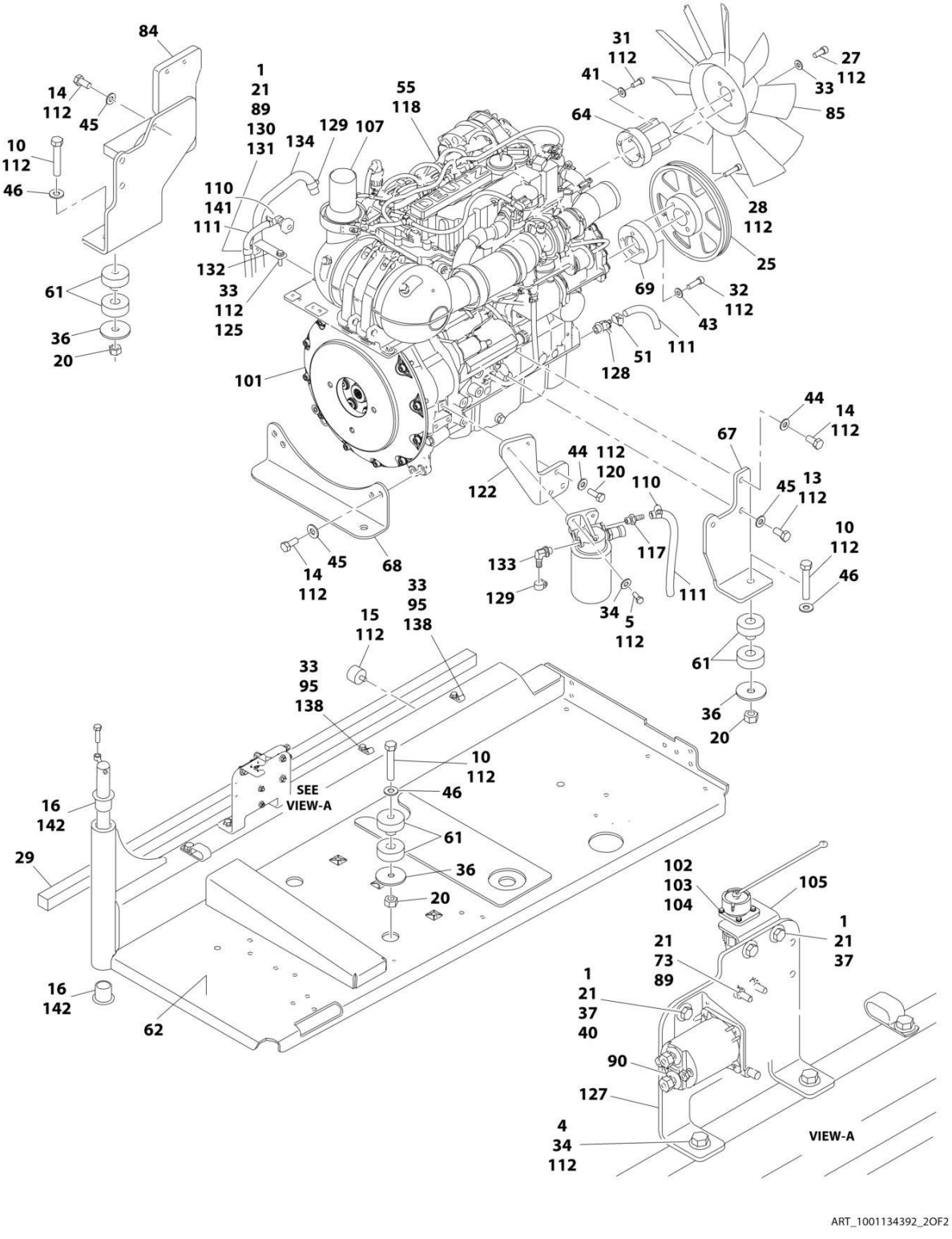

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FIGURE 3-26. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE

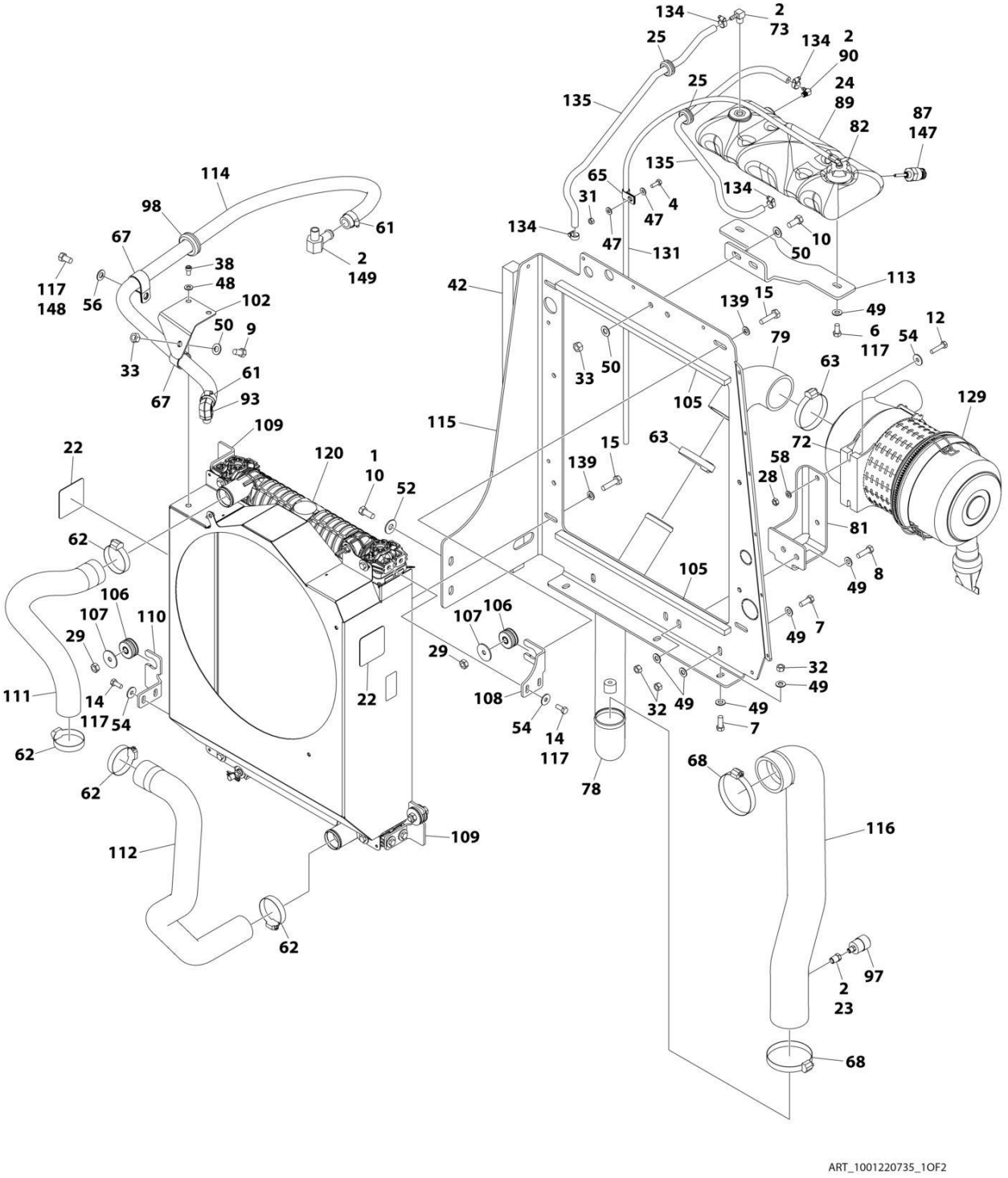
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001134392	Ref	DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE	AI
1	0641406	5	Bolt 1/4 x 3/4	
3	0641508	8	Bolt 5/16 x 1	
4	0641606	5	Bolt 3/8 x 3/4	
5	0641608	9	Bolt 3/8 x 1	
6	0641610	2	Bolt 3/8 x 1-1/4	
7	0641708	6	Bolt 7/16 x 1	
8	0700815	2	Bolt M8 x 35	
10	0682028	4	Bolt 5/8 x 3-1/2 Grade 8	
12	1001140564	1	Fitting, Elbow Barbed	
13	0771212	1	Bolt M12 x 25 Grade 10.9	
14	0771414	9	Bolt M14 x 30 Grade 10.9	
15	0940070	1	Bumper	
16	0961986	2	Bushing, Flanged	
17	0641706	2	Bolt 7/16 x 3/4	
18	1001134488	1	Fitting, Elbow Barbed	
19	3290801	2	Nut M8	
20	3272001	4	Nut 5/8 Grade 8	
21	3311405	6	Nut 1/4	
23	3311605	9	Nut 3/8	
24	3311705	5	Nut 7/16	
25	3580320	1	Pulley	
26	1001141719	1	Fitting, Elbow Barbed	
27	3931512	4	Capscrew 5/16 x 3/4	
28	3931628	4	Capscrew 3/8 x 1-3/4	
29	3960543	1	Seal	
30	3960544	1	Seal	
31	4031914	4	Bolt M8 x 50	
32	4032014	4	Bolt M10 x 50	
33	4711500	19	Washer 5/16	
34	4711600	25	Washer 3/8	
35	4711700	10	Washer 7/16	
36	1001146219	4	Washer Special	
37	4751400	8	Washer 1/4	
38	8406302	2	Clamp	
39	4751700	2	Washer 7/16	
40	4791400	2	Washer, Star 1/4	
41	4811900	4	Washer M8	
42	4811902	2	Washer M8	
43	4812000	4	Washer M10	
44	4812100	4	Washer M12	
45	4812200	9	Washer M14	
46	4892000	4	Washer 5/8	
47	4831900	2	Washer M8	
48	8405201	8	Clamp	
49	8405204	10	Clamp	
51	8410013	5	Clamp	
52	91563070	1	Coupling, Rubber	
53	1001114495	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
55	1001128947	1	Engine Components - Deutz TCD2.9L4 Engine (See ENGINE COMPONENTS - DEUTZ TCD2.9L4 ENGINE for Breakdown)	
58	1001133633	1	Air Cleaner Assembly	
58	70024190	1	Element, Air Filter	
59	1001133634	1	Clamp	
60	1001166393	1	Tank, Surge	
61	1001155575	4	Mount, Motor	
62	1001134485	NLA	Tray (Use p/n 1001191272) **(SN 0300209000 through 0300230067)**	
62	1001191272	1	Tray **(SN 0300230068 through 0300272505)**	
63	1001135090	1	Radiator	
64	1001135138	1	Spacer, Fan	
67	1001135560	1	Support, Engine	
68	1001135562	1	Support, Engine - Rear	
69	1001135679	1	Spacer, Pulley	
70	1001135680	1	Support, Radiator	
71	1001135901	1	Pipe, Air Intake	
72	1001135903	1	Pipe, Air Intake	
73	3931432	1	Capscrew 1/4 x 2	
74	1001135914	1	Pipe, Air Cleaner to Intake	
75	1001135924	1	Hose, Radiator (Upper)	
76	1001135926	1	Hose, Radiator (Lower)	
78	1001135943	1	Coupling, Rubber	
79	1001135946	1	Elbow, Rubber	
80	1001136292	1	Pipe, Elbow	
81	1001136626	2	Bracket	
82	1001136665	1	Bracket	
83	1001136834	1	Cap, Tank	
84	1001142398	1	Support, Engine	
85	1001137276	1	Fan	
87	8405007	2	Clamp	
89	4711400	3	Washer 1/4	
90	1001117308	1	Relay	
92	1001135913	1	Pipe, Turbo to Air Cleaner	
93	1001138827	1	Sensor, Coolant Level	
94	1001138228	1	Module, Power	
94	70023592	1	Fuse 20Amp	
94	70023593	1	Fuse 30Amp	
95	1001138253	5	Clamp	
96	1001138346	1	Harness, Engine (Not Shown - See ELECTRICAL SECTION for Breakdown)	
97	1001138524	1	Hose	
98	1001138559	1	Fitting, Elbow	
99	2720015	4.5 ft/ 1.4m	Hose	
101	2902065	1	Pump Coupling Kit (See PUMP COUPLING KIT for Breakdown)	
102	3310401	3	Nut #4	
103	3910408	3	Screw #4 x 1/2	
104	4710400	3	Washer #4	
105	1001139240	1	Bracket	
106	1001138248	4 ft/1.2m	Tubing	
107	1001153024	1	Pipe, Exhaust	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
110	1320022	2	Clamp	
111	1001165035	30.5 ft/ 9.3m	Hose	
112	0100011	AR	Compound, Locking	
113	0100020	AR	Sealant	
114	1001141304	1	Wire, Glow Plug (Not Shown)	
115	1001135779	1	Cable, Alternator Positive (Not Shown)	
117	1001141717	1	Fitting, Straight	
118	1001136079	2.4 gal/9L	Oil, Motor 15W-40	
119	2300004	3.2 gal/ 12.1L	Anti-freeze	
120	0761214	3	Bolt M12 x 30	
121	1001142637	1	Hose, Hump	
122	1001142685	1	Bracket	
123	1001165820	1	Pipe, Elbow	
124	1001143390	1	Indicator, Air Filter Service	
125	0760810	2	Bolt M8 x 20	
126	1001144089	1	Grommet	
127	1001145154	1	Plate, Mounting	
128	4640751	1	Valve, Oil Drain	
129	8405006	2	Clamp	
130	8406102	2	Clip	
131	8406112	1	Clip	
132	1001138717	1	Bracket	
133	1001142501	1	Fitting, Elbow Barbed	
134	1001154405	5 ft/1.5m	Hose	
135	1001148843	1	Harness, Fuel Filter (Not Shown - See ELECTRICAL SECTION for Breakdown)	
137	1703162	2	Decal - Fan	
138	0641503	3	Bolt 5/16 x 3/8	
139	1001153387	1	Plate	
140	3931508	2	Capscrew 5/16 x 1/2	
141	1001155823	1	Coupling	
142	0100062	AR	Adhesive, Loctite #680	
143	4240099	AR	Tie-Strap (Not Shown)	

FIGURE 3-27. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (CHINA SPEC ONLY)



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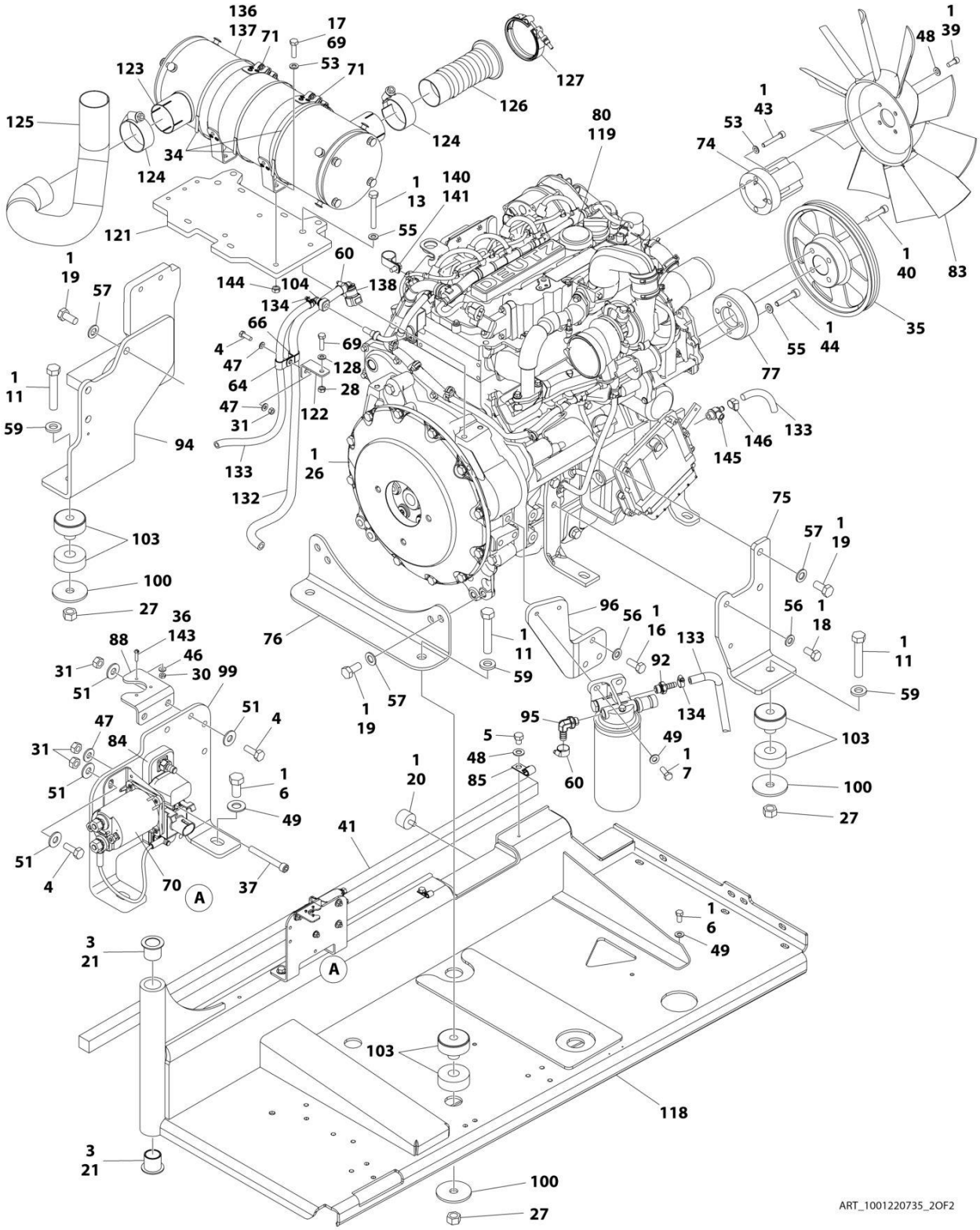
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FIGURE 3-27. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (CHINA SPEC ONLY)

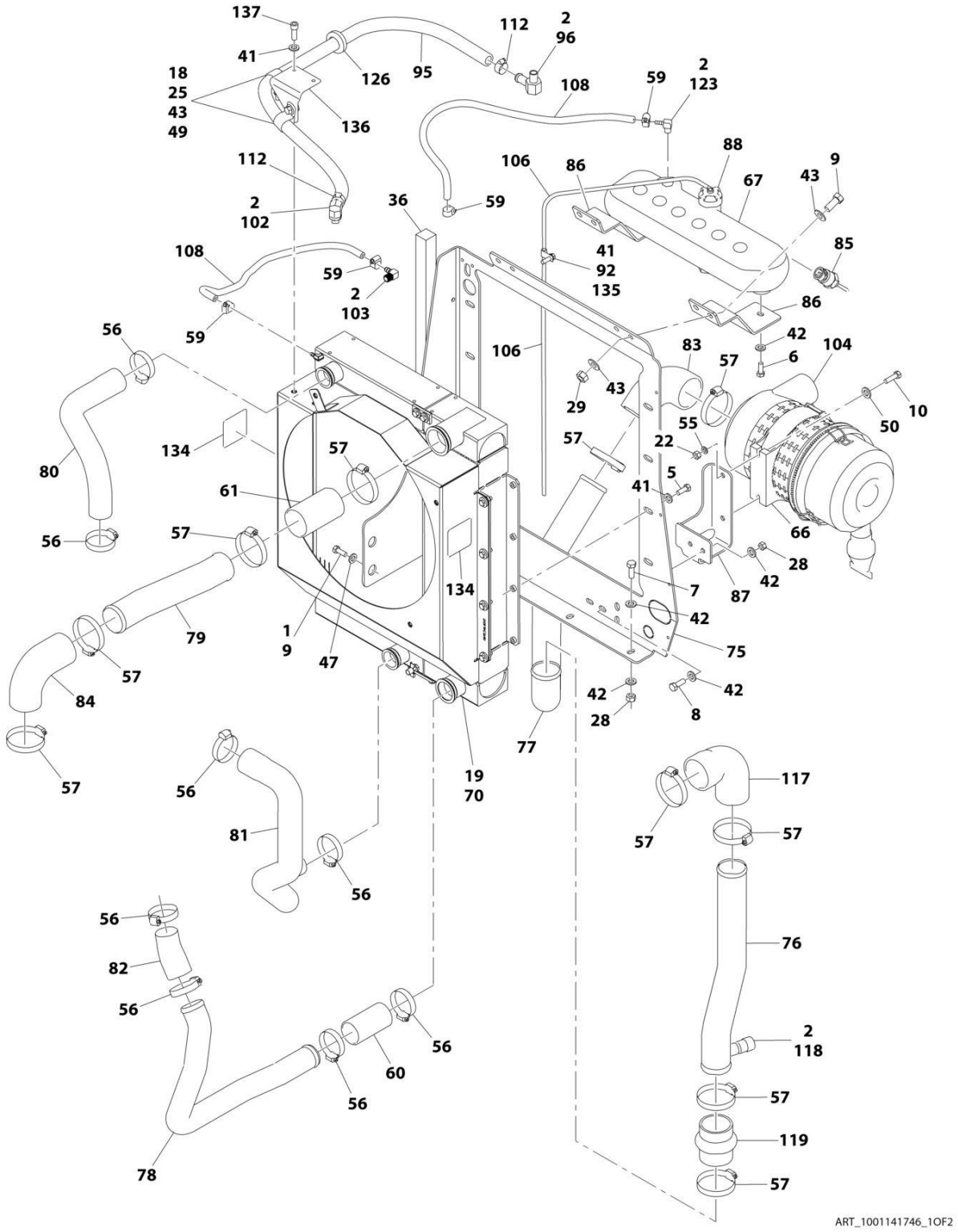
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220735	Ref	DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (CHINA SPEC ONLY)	J
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Adhesive, Loctite #680	
4	0641406	7	Bolt 1/4 x 3/4	
5	0641503	2	Bolt 5/16 x 3/8	
6	0641606	5	Bolt 3/8 x 3/4	
7	0641608	7	Bolt 3/8 x 1	
8	0641610	2	Bolt 3/8 x 1-1/4	
9	0641706	AR	Bolt 7/16 x 3/4	
10	0641708	4	Bolt 7/16 x 1	
11	0682028	4	Bolt 5/8 x 3-1/2 Grade 8	
12	0700815	2	Bolt M8 x 35	
13	0701024	4	Bolt M10 x 80	
14	0760810	8	Bolt M8 x 20	
15	0761016	4	Bolt M10 x 40	
16	0761214	3	Bolt M12 x 30	
17	0770814	4	Bolt M8 x 30 **(SN 0300209000 through 0300227047)**	
18	0771212	1	Bolt M12 x 25 Grade 10.9	
19	0771414	9	Bolt M14 x 30 Grade 10.9	
20	0940070	1	Bumper	
21	0961986	2	Bushing, Flanged	
22	1703162	2	Decal - Fan	
23	2220273	1	Fitting, Reducer	
24	2300004	3.2 gal/ 12.1L	Anti-freeze	
25	2540038	2	Grommet	
26	2902065	1	Pump Coupling Kit (See PUMP COUPLING KIT for Breakdown)	
27	3272001	4	Nut 5/8 Grade 8	
28	3290801	AR	Nut M8	
29	3291001	4	Nut M10	
29	3291007	4	Nut M10	
30	3310401	3	Nut #4	
31	3311405	8	Nut 1/4	
32	3311605	7	Nut 3/8	
33	3311705	3	Nut 7/16	
34	1001137336	AR	Strap	
35	3580320	1	Pulley	
36	3910408	3	Screw #4 x 1/2	
37	3931432	1	Capscrew 1/4 x 2	
38	3931508	2	Capscrew 5/16 x 1/2	
38	4031907	2	Capscrew M8 x 16	
39	3931512	4	Capscrew 5/16 x 3/4	
40	3931628	4	Capscrew 3/8 x 1-3/4	
41	3960543	1	Seal	
42	3960544	1	Seal	
43	4031914	4	Bolt M8 x 50	
44	4032014	4	Bolt M10 x 50	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	4240099	AR	Tie-Strap (Not Shown)	
46	4710400	3	Washer #4	
47	4711400	7	Washer 1/4	
48	4711500	AR	Washer 5/16	
49	4711600	21	Washer 3/8	
50	4711700	6	Washer 7/16	
51	4751400	8	Washer 1/4	
52	4751700	2	Washer 7/16	
53	4811900	AR	Washer M8	
54	4811902	10	Washer M8	
55	4812000	AR	Washer M10	
56	4812100	AR	Washer M12	
57	4812200	9	Washer M14	
58	4831900	2	Washer M8 **(SN 0300209000 through 0300227047)**	
59	4892000	4	Washer 5/8	
60	8405006	2	Clamp	
61	8405007	2	Clamp	
62	8405201	4	Clamp	
63	8405204	2	Clamp	
64	8406102	1	Clip	
65	8406110	2	Clip **(SN 0300209000 through 0300227047)**	
65	8406109	2	Clip **(SN 0300227048 through 0300272505)**	
66	8406112	1	Clip	
67	8406302	2	Clamp	
68	8410011	2	Clamp	
69	0760814001	AR	Bolt M8 x 30	
69	0760814	AR	Bolt M8 x 30	
70	1001117308	1	Relay	
71	1001119727	2	Clamp	
72	1001133634	1	Clamp	
73	1001134488	1	Fitting, Elbow Barbed	
74	1001135138	1	Spacer, Fan	
75	1001135560	1	Support, Engine	
76	1001135562	1	Support, Engine - Rear	
77	1001135679	1	Spacer, Pulley	
78	1001135903	1	Pipe, Air Intake	
79	1001135946	1	Elbow, Rubber	
80	1001136079	2.4 gal/9L	Oil, Motor 15W-40	
80	1001136172	2.4 gal/9L	Oil, Motor	
81	1001136665	1	Bracket	
82	1001136834	1	Cap, Tank	
83	1001137276	1	Fan	
84	1001138228	1	Module, Power	
84	70023592	1	Fuse 20Amp	
84	70023593	1	Fuse 30Amp	
85	1001138253	2	Clamp	
86	1001138346	1	Harness, Engine (Not Shown - See ELECTRICAL SECTION for Breakdown)	
87	1001138827	1	Sensor, Coolant Level	
88	1001139240	1	Bracket	
89	1001140535	1	Tank **(SN 0300209000 through 0300239674)**	
89	1001166393	1	Tank, Surge **(SN 0300239675 through 0300272505)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
90	1001140564	1	Fitting, Elbow Barbed	
91	1001141304	1	Wire, Glow Plug (Not Shown)	
92	1001141717	1	Fitting, Straight	
93	1001141719	1	Fitting, Elbow Barbed	
94	1001142398	1	Support, Engine	
95	1001142501	1	Fitting, Elbow Barbed	
96	1001142685	1	Bracket	
97	1001143390	1	Indicator, Air Filter Service	
98	1001144089	1	Grommet	
99	1001145154	1	Plate, Mounting	
100	1001146219	4	Washer Special	
101	1001148843	1	Harness, Fuel Filter (Not Shown - See ELECTRICAL SECTION for Breakdown)	
102	1001153387	1	Plate **(SN 0300209000 through 0300239674)**	
102	1001229600	1	Plate **(SN 0300239675 through 0300272505)**	
103	1001155575	4	Mount, Motor	
104	1001155823	1	Coupling	
105	1001168166	2	Seal	
106	1001169054	4	Isolator	
107	1001169138	4	Washer, Snubbing	
108	1001170035	1	Bracket	
109	1001176329	2	Bracket	
110	1001176330	1	Bracket	
111	1001176415	1	Hose, Radiator (Upper)	
112	1001176416	1	Hose, Radiator (Lower)	
113	1001176940	1	Bracket **(SN 0300209000 through 0300239674)**	
113	1001229599	1	Bracket **(SN 0300239675 through 0300272505)**	
114	1001177094	1	Hose **(SN 0300209000 through 0300239674)**	
114	1001138524	1	Hose **(SN 0300239675 through 0300272505)**	
115	1001178236	1	Bracket	
116	1001178894	1	Hose	
117	1001180620	AR	Adhesive	
118	1001187011	1	Tray	
119	1001219642	1	Engine Components - Deutz TCD2.9L4 Engine (See ENGINE COMPONENTS - DEUTZ TCD2.9L4 ENGINE (CHINA SPEC ONLY) for Breakdown)	
120	1001220770	1	Radiator	
121	1001221203	1	Bracket	
122	1001221205	1	Bracket	
123	1001221207	1	Muffler	
124	1001221212	2	Clamp	
125	1001221213	1	Pipe, Exhaust	
126	1001221217	1	Pipe, Flex	
127	1001221219	1	Clamp	
128	4811900001	1	Washer M8	
128	4811900	1	Washer M8	
129	1001133633	1	Air Cleaner Assembly	
129	70024190	1	Element, Air Filter	
130	1001135779	1	Cable, Alternator Positive (Not Shown)	
131	1001138248	4 ft/ 1.2m	Tubing	
132	1001154405	5 ft/ 1.5m	Hose	
133	1001165035	30.5 ft/	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		9.3m		
134	1320022	6	Clamp	
135	2720015	5 ft/ 1.52m	Hose	
136	1001221427	1	Muffler-Wrap	
137	4920385	AR	Wire, Safety **(SN 0300227048 through 0300272505)**	
138	1001170982	1	Adapter **(SN 0300227048 through 0300272505)**	
139	4812000	4	Washer M10	
139	4812002	4	Washer M10	
140	1320130	1	Clamp	
141	5250808	1	Bolt M8 x 16	
142	3290805	2	Nut M8	
143	0100035	AR	Compound, Locking	
144	3290807	4	Nut M8 **(SN 0300239675 through 0300272505)**	
145	4640751	1	Valve, Oil Drain **(SN 0300239675 through 0300272505)**	
146	8410013	1	Clamp **(SN 0300239675 through 0300272505)**	
147	1001182997	AR	Adhesive **(SN 0300239675 through 0300272505)**	
148	0761210	1	Bolt M12 x 20 **(SN 0300239675 through 0300272505)**	
149	1001138559	1	Fitting, Elbow **(SN 0300239675 through 0300272505)**	

FIGURE 3-28. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE



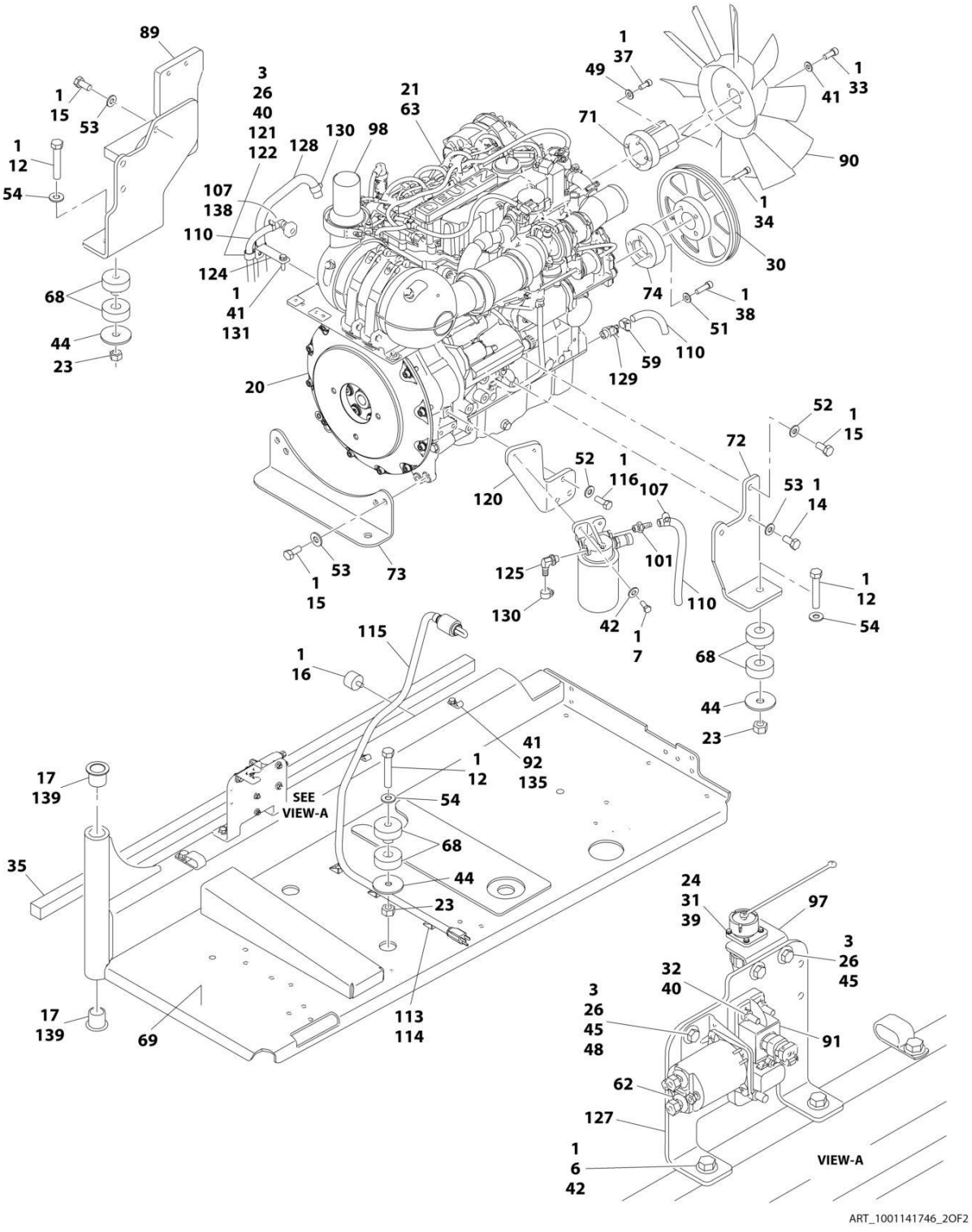

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FIGURE 3-28. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141746	Ref	DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE	AG
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0641406	5	Bolt 1/4 x 3/4	
5	0641508	8	Bolt 5/16 x 1	
6	0641606	5	Bolt 3/8 x 3/4	
7	0641608	9	Bolt 3/8 x 1	
8	0641610	2	Bolt 3/8 x 1-1/4	
9	0641708	6	Bolt 7/16 x 1	
10	0700815	2	Bolt M8 x 35	
12	0682028	4	Bolt 5/8 x 3-1/2 Grade 8	
14	0771212	1	Bolt M12 x 25 Grade 10.9	
15	0771414	9	Bolt M14 x 30 Grade 10.9	
16	0940070	1	Bumper	
17	0961986	2	Bushing, Flanged	
18	0641706	2	Bolt 7/16 x 3/4	
19	2300041	3.2 gal/ 12.1L	Anti-freeze	
20	2902065	1	Pump Coupling Kit (See PUMP COUPLING KIT for Breakdown)	
21	1001136172	2.4 gal/9L	Oil, Motor 5W-40	
22	3290801	2	Nut M8	
23	3272001	4	Nut 5/8 Grade 8	
24	3310401	3	Nut #4	
25	8406302	2	Clamp	
26	3311405	6	Nut 1/4	
28	3311605	9	Nut 3/8	
29	3311705	5	Nut 7/16	
30	3580320	1	Pulley	
31	3910408	3	Screw #4 x 1/2	
32	3931432	1	Capscrew 1/4 x 2	
33	3931512	4	Capscrew 5/16 x 3/4	
34	3931628	4	Capscrew 3/8 x 1-3/4	
35	3960543	1	Seal	
36	3960544	1	Seal	
37	4031914	4	Bolt M8 x 50	
38	4032014	4	Bolt M10 x 50	
39	4710400	3	Washer #4	
40	4711400	3	Washer 1/4	
41	4711500	19	Washer 5/16	
42	4711600	25	Washer 3/8	
43	4711700	10	Washer 7/16	
44	1001146219	4	Washer Special	
45	4751400	8	Washer 1/4	
47	4751700	2	Washer 7/16	
48	4791400	2	Washer, Star 1/4	
49	4811900	4	Washer M8	
50	4811902	2	Washer M8	
51	4812000	4	Washer M10	
52	4812100	4	Washer M12	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	4812200	9	Washer M14	
54	4892000	4	Washer 5/8	
55	4831900	2	Washer M8	
56	8405201	8	Clamp	
57	8405204	10	Clamp	
59	8410013	5	Clamp	
60	91563070	1	Coupling, Rubber	
61	1001114495	1	Hose	
62	1001117308	1	Relay	
63	1001128947	1	Engine Components - Deutz TCD2.9L4 Engine (See ENGINE COMPONENTS - DEUTZ TCD2.9L4 ENGINE for Breakdown)	
66	1001133634	1	Clamp	
67	1001166393	1	Tank, Surge	
68	1001155575	4	Mount, Motor	
69	1001134485	NLA	Tray (Use p/n 1001191272) **(SN 0300209000 through 0300230067)**	
69	1001191272	1	Tray **(SN 0300230068 through 0300272505)**	
70	1001135090	1	Radiator	
71	1001135138	1	Spacer, Fan	
72	1001135560	1	Support, Engine	
73	1001135562	1	Support, Engine - Rear	
74	1001135679	1	Spacer, Pulley	
75	1001135680	1	Support, Radiator	
76	1001135901	1	Pipe, Air Intake	
77	1001135903	1	Pipe, Air Intake	
78	1001135913	1	Pipe, Turbo to Air Cleaner	
79	1001135914	1	Pipe, Air Cleaner to Intake	
80	1001135924	1	Hose, Radiator (Upper)	
81	1001135926	1	Hose, Radiator (Lower)	
82	1001135943	1	Coupling, Rubber	
83	1001135946	1	Elbow, Rubber	
84	1001136292	1	Pipe, Elbow	
85	1001138827	1	Sensor, Coolant Level	
86	1001136626	2	Bracket	
87	1001136665	1	Bracket	
88	1001136834	1	Cap, Tank	
89	1001142398	1	Support, Engine	
90	1001137276	1	Fan	
91	1001138228	1	Module, Power	
91	70023592	1	Fuse 20Amp	
91	70023593	1	Fuse 30Amp	
92	1001138253	5	Clamp	
94	1001138346	1	Harness, Engine (Not Shown - See ELECTRICAL SECTION for Breakdown)	
95	1001138524	1	Hose	
96	1001138559	1	Fitting, Elbow	
97	1001139240	1	Bracket	
98	1001153024	1	Pipe, Exhaust	
100	1001141304	1	Wire, Glow Plug (Not Shown)	
101	1001141717	1	Fitting, Straight	
102	1001141719	1	Fitting, Elbow Barbed	
103	1001140564	1	Fitting, Elbow Barbed	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
104	1001133633	1	Air Cleaner Assembly	
104	70024190	1	Element, Air Filter	
105	1001135779	1	Cable, Alternator Positive (Not Shown)	
106	1001138248	4 ft/ 1.2m	Tubing	
107	1320022	2	Clamp	
108	2720015	4.5 ft/ 1.4m	Hose	
110	1001165035	30.5 ft/ 9.3m	Hose	
112	8405007	2	Clamp	
113	4240099	AR	Tie-Strap	
114	4460234	3	Mount, Wire Tie	
115	1001140312	1	Heater, Block	
116	0761214	3	Bolt M12 x 30	
117	1001165820	1	Pipe, Elbow	
118	1001143390	1	Indicator, Air Filter Service	
119	1001142637	1	Hose, Hump	
120	1001142685	1	Bracket	
121	8406102	2	Clip	
122	8406112	1	Clip	
123	1001134488	1	Fitting, Elbow Barbed	
124	1001138717	1	Bracket	
125	1001142501	1	Fitting, Elbow Barbed	
126	1001144089	1	Grommet	
127	1001145154	1	Plate, Mounting	
128	1001154405	5 ft/ 1.5m	Hose	
129	4640751	1	Valve, Oil Drain	
130	8405006	2	Clamp	
131	0760810	2	Bolt M8 x 20	
132	1001148843	1	Harness, Fuel Filter (Not Shown - See ELECTRICAL SECTION for Breakdown)	
134	1703162	2	Decal - Fan	
135	0641503	3	Bolt 5/16 x 3/8	
136	1001153387	1	Plate	
137	3931508	2	Capscrew 5/16 x 1/2	
138	1001155823	1	Coupling	
139	0100062	AR	Adhesive, Loctite #680	
140	1001181895	AR	Adhesive, Loctite #640 (Not Shown - Apply to Block Heater)	

FIGURE 3-29. ENGINE COMPONENTS - DEUTZ TCD2.9L4 ENGINE

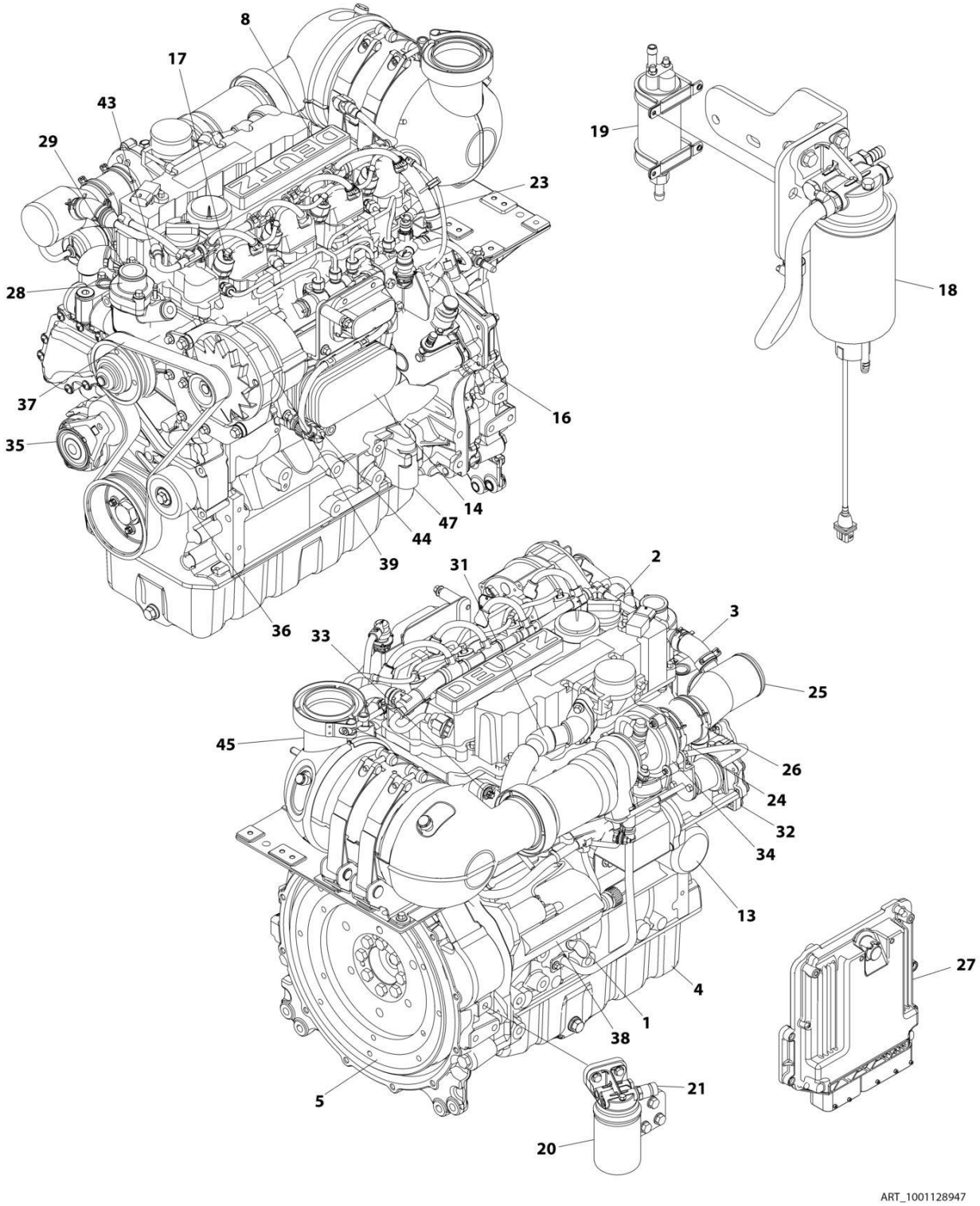


FIGURE 3-29. ENGINE COMPONENTS - DEUTZ TCD2.9L4 ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001128947	Ref	ENGINE COMPONENTS - DEUTZ TCD2.9L4 ENGINE	K
1	70024904	1	Dipstick	
1	70024905	1	O-Ring	
2	7020465	2	Cap, Filler	
3	70025111	2	Clamp	
4	70025162	1	Pan, Oil	
4	70025088	2	Plug	
4	7020404	2	Washer, Sealing	
5	70001870	1	Flywheel	
5	7024579	1	Gear, Ring	
6	70024906	1	Gasket, Head (Not Shown)	
7	70025204	1	Shield, Heat (Not Shown)	
8	70025163	1	Cover, Valve	
8	70025205	1	Gasket	
8	70025206	1	Gasket, Small Valve Cover	
8	70025207	1	Gasket, Large Valve Cover	
8	70025208	1	Gasket	
9	70025076	1	Valve (Not Shown - Located on Right Side of Front Engine Cover)	
9	70025176	1	Spring	
9	70025082	1	Ring, Sealing	
9	70025091	1	Plug	
10	70025190	1	Cover, Front (Not Shown - Located on Front of Engine)	
10	70024907	1	Gasket, Front Cover	
10	70004280	1	Seal, Shaft - Front	
11	70002718	1	Seal, Shaft - Rear (Not Shown)	
12	70025202	1	Pump, Oil Lube (Not Shown)	
12	70025135	1	O-Ring	
12	70025136	1	Gasket	
13	7016331	1	Filter, Oil	
13	70025137	1	Bushing	
14	70004275	1	Cooler, Engine Oil (Not Shown - Located on Right Side)	
14	70024925	1	Gasket	
15	70025171	1	Oil Suction Pump (Not Shown - Located Inside of Engine Oil Pan)	
16	70024924	1	Pump, Fuel (Not Shown - Located on Right Side)	
16	70025152	1	O-Ring	
16	70025080	1	Washer	
16	70024488	1	Spacer	
16	70024517	1	O-Ring	
17	70025181	4	Injector, Fuel (Not Shown - Located on Right Side)	
17	70025140	4	Washer, Sealing	
17	70025146	4	Clamp (Top of Injector)	
17	70025145	4	O-Ring	
17	70025154	4	Shoe, Clamping	
17	70000345	1	Plug, Glow (Not Shown)	
17	70025231	1	Harness, Glow Plug (Not Shown)	
18	70024961	1	Fuel Filter Assembly	
18	70025153	1	Filter, Fuel	
18	70024513	1	Cable, Sensor	
18	70025239	1	Ring, Sealing	
19	70024486	1	Pump, Fuel	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	70025144	2	Clamp	
20	70025160	1	Filter with Head	
20	70025161	1	Filter, Fuel	
21	70024504	1	Sensor, Pressure	
21	70024920	1	O-Ring	
21	70025103	1	Retainer	
22	70025151	1	Rail, Fuel (Not Shown)	
22	70025235	1	Repair Kit	
23	70025182	1	Fuel Line - High Pressure (Cylinder 1 & 2) (Not Shown)	
23	70025183	1	Fuel Line - High Pressure (Cylinder 3 & 4) (Not Shown)	
23	70025184	1	Fuel Line - High Pressure (Supply) (Not Shown)	
24	70004501	1	Sleeve, Rubber	
25	70004502	1	Pipe, Intake	
26	70025112	2	Clamp	
27	70025210	1	ECU (Engine Control Unit)	
28	70024910	1	Pump, Water	
28	70025200	1	Ring, Sealing	
28	70025084	2	Plug	
28	7020492	2	Ring, Sealing	
29	70024473	1	Thermostat	
29	70025143	1	O-Ring	
29	70025142	1	Cover, Thermostat	
30	70025177	1	Pipe (Not Shown - Located on Left Side)	
30	70025179	2	Gasket	
31	70025178	1	Pipe	
31	70025156	1	Valve, Shuttle	
31	70025179	2	Gasket	
31	70025180	1	Gasket	
32	70025203	1	Module, EGR	
32	70025155	1	Plug	
33	70004282	1	Manifold, Exhaust (Not Shown)	
33	70025164	1	Gasket, Exhaust Manifold to Head	
34	70004503	1	Turbocharger	
34	70024912	1	Gasket, Exhaust Manifold	
35	70025477	1	Tensioner, Belt (Not Shown - Located on Front of Engine)	
36	70024484	1	Idler Roller (Not Shown - Located on Front of Engine)	
37	70004277	1	Belt, Drive (Not Shown)	
38	70024915	1	Starter	
39	70025533	1	Generator	
39	70025149	1	Regulator, Voltage	
40	70004284	1	Harness, Engine (Not Shown)	
41	70024507	1	Sensor, Pressure (Not Shown - Located Top Rear)	
41	70025120	1	O-Ring	
42	70024503	1	Sensor, Speed (Not Shown - Located Left Side Front and Flywheel Housing)	
42	70024917	1	O-Ring	
43	70024918	1	Sender, Temperature (Not Shown - Located Top Front)	
44	70024919	1	Sensor, Pressure (Not Shown - Located on Right Side)	
44	70024920	1	O-Ring	
45	70005445	1	Outlet, Muffler	
46	70004279	1	Gasket Kit (Not Shown)	
47	70025660	1	Screw	

FIGURE 3-30. ENGINE COMPONENTS - DEUTZ TCD2.9L4 ENGINE (CHINA SPEC ONLY)

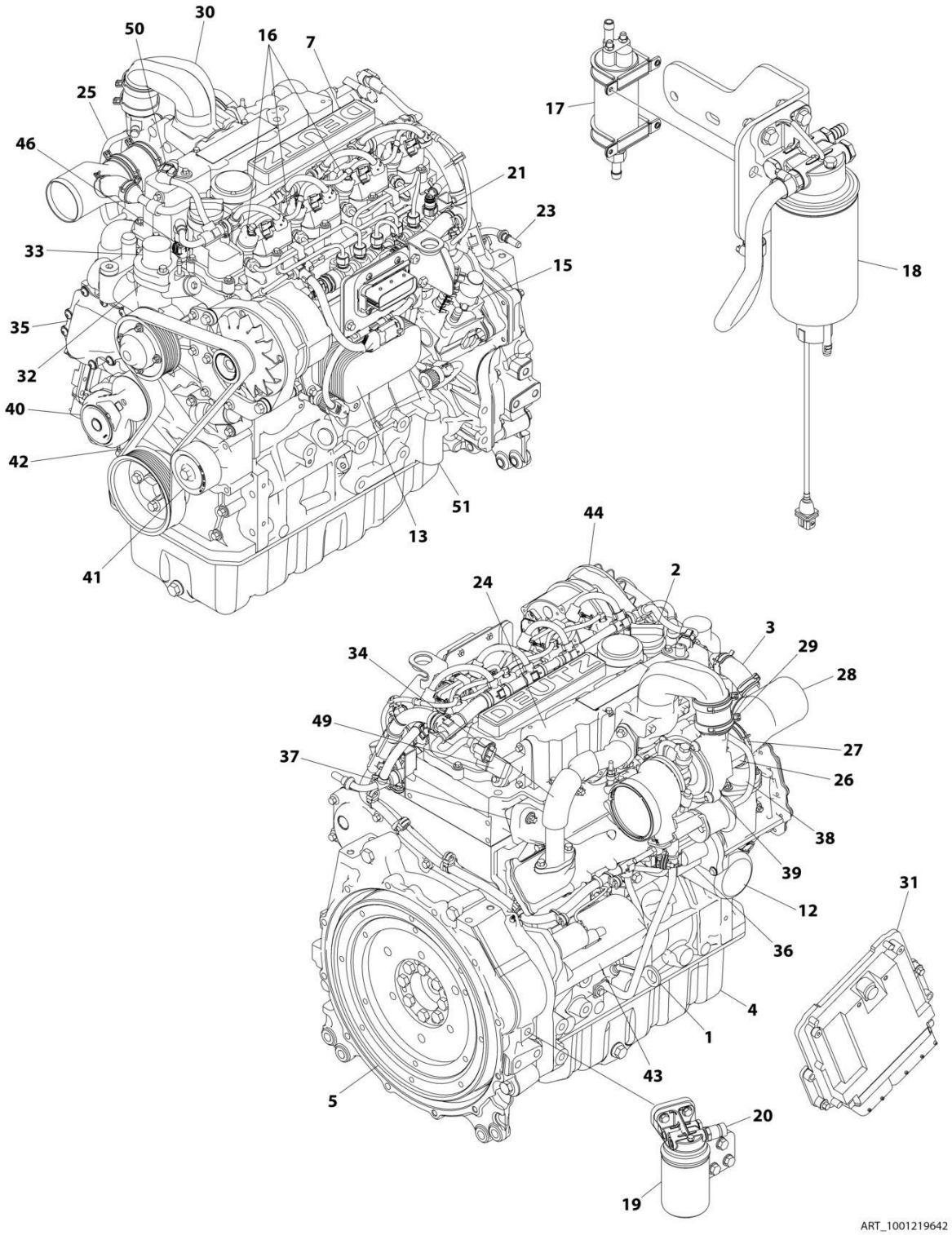


FIGURE 3-30. ENGINE COMPONENTS - DEUTZ TCD2.9L4 ENGINE (CHINA SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219642	Ref	ENGINE COMPONENTS - DEUTZ TCD2.9L4 ENGINE (CHINA SPEC ONLY)	C
1	70006127	1	Dipstick	
1	70024905	1	O-Ring	
2	7020465	2	Cap, Filler	
3	70005920	1	Hose	
3	70025111	2	Clamp	
4	70025162	1	Pan, Oil	
4	70005941	2	Plug	
4	70005942	2	Washer, Sealing	
5	70001870	1	Flywheel	
5	7024579	1	Gear, Ring	
6	70024906	1	Gasket, Head (Not Shown)	
7	70005921	1	Cover, Valve	
7	70025205	1	Gasket	
7	70005171	1	Gasket	
8	70025076	1	Valve (Not Shown - Located on Right Side of Front Engine Cover)	
8	70025176	1	Spring	
8	70025082	1	Ring, Sealing	
8	70025091	1	Plug	
9	70004280	1	Seal, Shaft - Front	
10	70002718	1	Seal, Shaft - Rear (Not Shown)	
11	70005172	1	Pump, Oil Lube (Not Shown)	
11	70025135	1	O-Ring	
11	70005173	1	Gasket	
12	7016331	1	Filter, Oil	
12	70025137	1	Bushing	
13	70024494	1	Cooler, Engine Oil (Not Shown - Located on Right Side)	
13	70024925	1	Gasket	
14	70025171	1	Oil Suction Pump (Not Shown - Located Inside of Engine Oil Pan)	
15	70024924	1	Pump, Fuel	
15	70025152	1	O-Ring	
15	70025080	1	Washer	
15	70024488	1	Spacer	
15	70024517	1	O-Ring	
16	70025181	4	Injector, Fuel (Not Shown - Located on Right Side)	
16	70025140	4	Washer, Sealing	
16	70025146	4	Clamp (Top of Injector)	
16	70025145	4	O-Ring	
16	70025154	4	Shoe, Clamping	
16	70000345	1	Plug, Glow (Not Shown)	
16	70025231	1	Harness, Glow Plug (Not Shown)	
17	70005174	NLA	Pump, Fuel (Use p/n 1001226098)	
17	70025144	2	Clamp	
18	70024961	1	Fuel Filter Assembly	
18	70025153	1	Filter, Fuel	
18	70024513	1	Cable, Sensor	
18	70025239	1	Ring, Sealing	
19	70004511	1	Filter with Head	
19	70004512	1	Filter, Fuel	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
20	70024504	1	Sensor, Pressure	
20	70024920	1	O-Ring	
21	70025151	1	Rail, Fuel	
21	70025235	1	Repair Kit	
21	70025240	1	O-Ring	
22	70025182	1	Fuel Line - High Pressure (Cylinder 1 & 2) (Not Shown)	
22	70025183	1	Fuel Line - High Pressure (Cylinder 3 & 4) (Not Shown)	
22	70025184	1	Fuel Line - High Pressure (Supply) (Not Shown)	
23	70025158	1	Manifold, Fuel	
23	70025109	2	Clamp	
23	70025115	1	Clamp	
23	70025133	1	Hose	
23	70024502	1	Pipe	
23	70025185	1	Hose	
23	70025101	2	Clamp	
24	70005923	1	Charge Air Pipe	
24	70005924	1	O-Ring	
24	70005177	1	Gasket	
25	70005925	1	Breather Line	
25	70005181	1	O-Ring	
26	70004501	1	Sleeve, Rubber	
27	70025112	2	Clamp	
28	70005926	1	Elbow Connector	
29	70005927	1	Sleeve, Rubber	
29	70025107	2	Clamp	
30	70005928	1	Charge Air Elbow	
31	70025210	1	ECU (Engine Control Unit)	
32	70024910	1	Pump, Water	
32	70025200	1	Ring, Sealing	
32	70025084	2	Plug	
32	7020492	2	Ring, Sealing	
33	70005929	1	Thermostat	
33	70005184	1	O-Ring	
33	70025142	1	Cover, Thermostat	
33	70025931	1	Gasket	
34	70025178	1	Pipe	
34	70025768	1	Valve, Shuttle	
34	70025179	2	Gasket	
34	70025180	1	Gasket	
35	70025203	1	Module, EGR (Includes Item 36)	
35	70025155	1	Plug	
36	70005188	1	Control Valve	
36	70005189	1	Seal	
37	70004282	1	Manifold, Exhaust	
37	70025164	1	Gasket, Exhaust Manifold to Head	
38	70026995	1	Pipe (Not Shown - Located on Left Side)	
38	70021895	2	Gasket	
39	70004276	1	Turbocharger	
39	70024912	1	Gasket, Exhaust Manifold	
39	70024509	1	Gasket, Return Line	
40	70025477	1	Tensioner, Belt	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	70024484	1	Idler Roller	
42	70004277	1	Belt, Drive	
43	70024915	1	Starter	
43	70005647	1	Switch, Solenoid	
43	70005648	1	Relay	
44	70025533	1	Generator	
44	70025149	1	Regulator, Voltage	
45	70025077	1	Harness, Engine (Not Shown)	
46	70024918	1	Sender, Temperature	
47	70024504	1	Sensor, Pressure (Not Shown - Located on Right Side)	
47	70024920	1	O-Ring	
48	70026210	2	Sensor, Speed (Not Shown - Located Left Side Front and Flywheel Housing)	
48	70005191	2	O-Ring	
49	70024507	1	Sensor, Pressure (Not Shown - Located Top Rear)	
49	70025120	1	O-Ring	
50	70024922	1	Temperature, Transmitter	
50	70035212	1	O-Ring	
51	70025660	1	Screw	

FIGURE 3-31. DEUTZ TCD2.9L4 (STAGE V) DIESEL ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

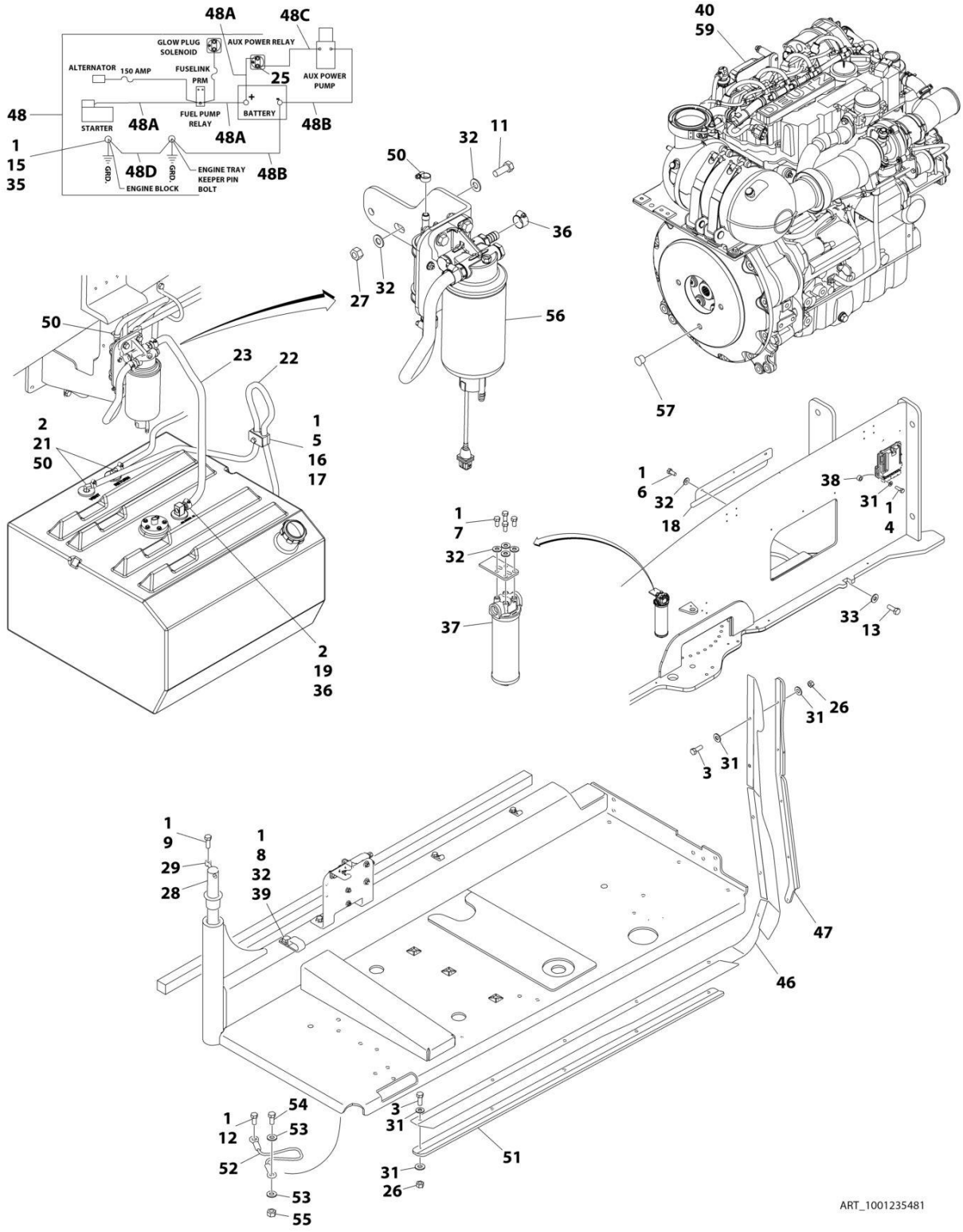


FIGURE 3-31. DEUTZ TCD2.9L4 (STAGE V) DIESEL ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235481	Ref	DEUTZ TCD2.9L4 (STAGE V PRE-BUY) DIESEL ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)	D
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
3	0641408	10	Bolt 1/4 x 1	
4	0641410	4	Bolt 1/4 x 1-1/4	
5	0641511	1	Bolt 5/16 x 1-3/8	
6	0641605	3	Bolt 3/8 x 5/8	
7	0641606	4	Bolt 3/8 x 3/4	
8	0641608	1	Bolt 3/8 x 1	
9	0641610	1	Bolt 3/8 x 1-1/4	
11	0641612	2	Bolt 3/8 x 1-1/2	
12	0641808	1	Bolt 1/2 x 1	
13	0642010	1	Bolt 5/8 x 1-1/4	
15	0761210	1	Bolt M12 x 20	
16	1320187	1	Clamp	
17	1320190	1	Cover, Clamp	
18	1671121	1	Cover	
19	2180832	1	Fitting, Barbed	
21	2220313	2	Fitting, 90 Barbed	
22	2750532	5 ft/ 1.5m	Hose	
23	1001154405	2 ft/ 0.6m	Hose	
25	3300220	2	Nut 5/16	
26	3311405	10	Nut 1/4	
27	3311605	2	Nut 3/8	
28	3422446	1	Pin, Pivot	
29	3841143	1	Pin, Keeper	
30	4240018	2	Strap, Tie (Not Shown)	
31	4711400	24	Washer 1/4	
32	4711600	12	Washer 3/8	
33	4752000	1	Washer 5/8	
35	4812100	1	Washer M12	
36	8405006	2	Clamp	
37	1001108617	1	Filter	
37	70002231	1	Element, Filter	
38	1001110425	4	Spacer	
39	1001116792	1	Clamp	
40	1001235476	1	Engine Sub-Assembly (See Separate Breakdown in this Section)	
42	1001138491	NLA	Harness, Fuel (Use p/n 1001222665) (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
46	1001140604	1	Panel, Rubber	
47	1001145089	1	Clamp	
48	1001141225	1	Battery Cable Kit	E
48A	7027042	1	Cable, Battery (Red) (Battery + to Relays and Starter)	
48B	7027043	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd and Aux Pump)	
48C	7027044	1	Cable (Red) (Aux Relay to Aux Pump)	
48D	7027045	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
50	1320022	3	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	1001145842	1	Plate, Clamping	
52	1001131542	1	Lanyard	
53	4711700	2	Washer 7/16	
54	0641708	1	Bolt 7/16 x 1	
55	3311705	1	Nut 7/16	
56	1001165101	1	Bracket, Fuel Pump Filter Assembly (See Separate Breakdown in this Section)	
57	3520054	1	Plug	
59	1001235459	1	Engine, Deutz TCD2.9L4 (Stage V Pre-Buy) (See Separate Breakdown in this Section)	

FIGURE 3-32. DEUTZ TCD2.9L4 (STAGE V) DIESEL ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

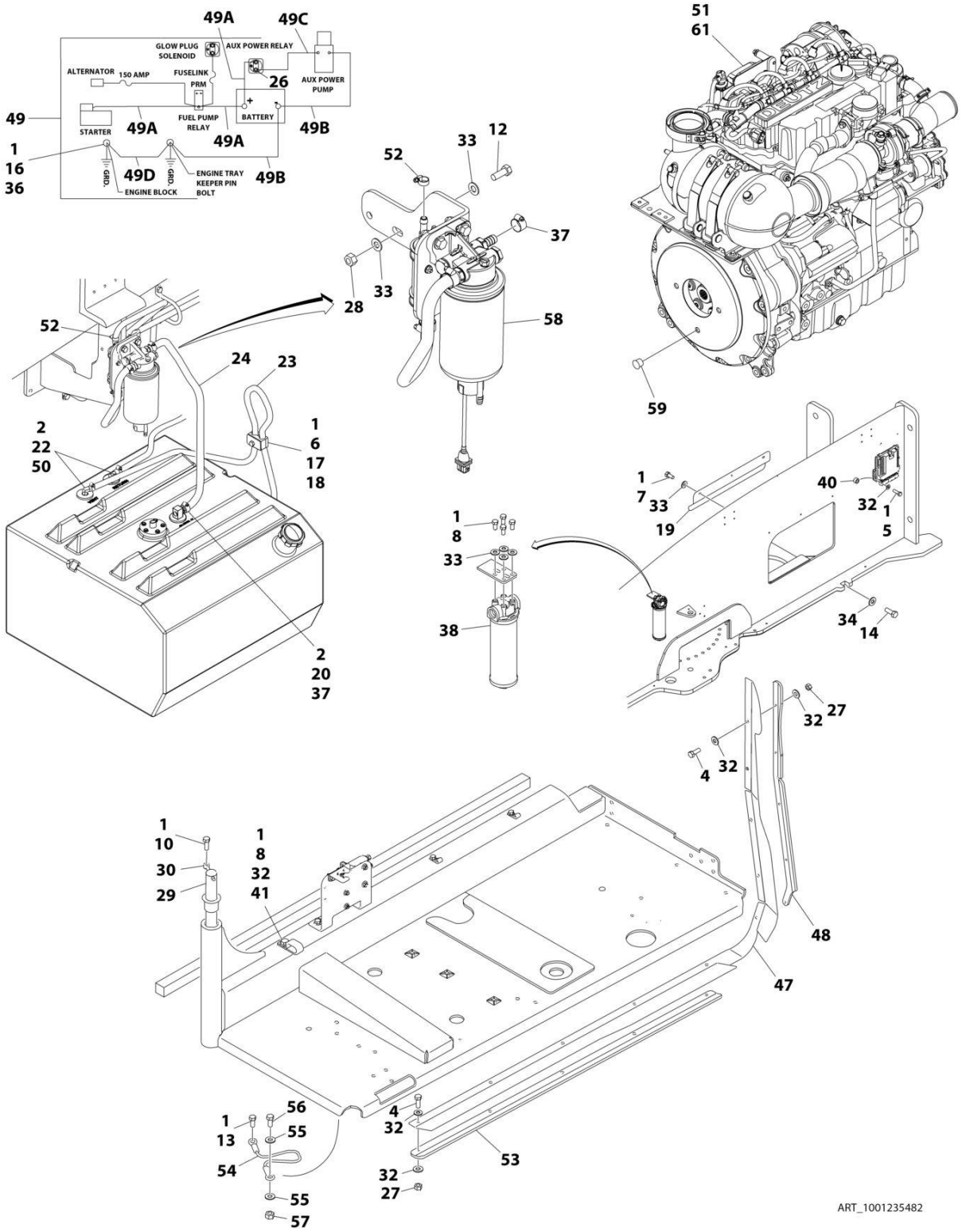


FIGURE 3-32. DEUTZ TCD2.9L4 (STAGE V) DIESEL ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235482	Ref	DEUTZ TCD2.9L4 (STAGE V PRE-BUY) DIESEL ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)	D
1	0100011	AR	Compound, Locking	
2	0100079	AR	Sealant, Pipe	
4	0641408	10	Bolt 1/4 x 1	
5	0641410	4	Bolt 1/4 x 1-1/4	
6	0641511	1	Bolt 5/16 x 1-3/8	
7	0641605	3	Bolt 3/8 x 5/8	
8	0641606	4	Bolt 3/8 x 3/4	
9	0641608	1	Bolt 3/8 x 1	
10	0641610	1	Bolt 3/8 x 1-1/4	
12	0641612	2	Bolt 3/8 x 1-1/2	
13	0641808	1	Bolt 1/2 x 1	
14	0642010	1	Bolt 5/8 x 1-1/4	
16	0761210	1	Bolt M12 x 20	
17	1320187	1	Clamp	
18	1320190	1	Cover, Clamp	
19	1671121	1	Cover	
20	2180832	1	Fitting, Barbed	
22	2220313	2	Fitting, 90 Barbed	
23	2750532	5 ft/ 1.5m	Hose	
24	1001154405	2 ft/ 0.6m	Hose	
26	3300220	2	Nut 5/16	
27	3311405	10	Nut 1/4	
28	3311605	2	Nut 3/8	
29	3422446	1	Pin, Pivot	
30	3841143	1	Pin, Keeper	
31	4240018	2	Strap, Tie (Not Shown)	
32	4711400	24	Washer 1/4	
33	4711600	12	Washer 3/8	
34	4752000	1	Washer 5/8	
36	4812100	1	Washer M12	
37	8405006	2	Clamp	
38	1001108617	1	Filter	
38	70002231	1	Element, Filter	
40	1001110425	4	Spacer	
41	1001116792	1	Clamp	
43	1001138491	NLA	Harness, Fuel (Use p/n 1001222665) (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001140604	1	Panel, Rubber	
48	1001145089	1	Clamp	
49	1001141225	1	Battery Cable Kit	
49A	7027042	1	Cable, Battery (Red) (Battery + to Relays and Starter)	
49B	7027043	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd and Aux Pump)	
49C	7027044	1	Cable (Red) (Aux Relay to Aux Pump)	
49D	7027045	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
51	1001235479	1	Engine Sub-Assembly (See Separate Breakdown in this Section)	
52	1320022	3	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	1001145842	1	Plate, Clamping	
54	1001131542	1	Lanyard	
55	4711700	2	Washer 7/16	
56	0641708	1	Bolt 7/16 x 1	
57	3311705	1	Nut 7/16	
58	1001165101	1	Bracket, Fuel Pump Filter Assembly (See Separate Breakdown in this Section)	
59	3520054	1	Plug	
61	1001235459	1	Engine, Deutz TCD2.9L4 (Stage V Pre-Buy) (See Separate Breakdown in this Section)	

FIGURE 3-33. DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY - WITH SAUER PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

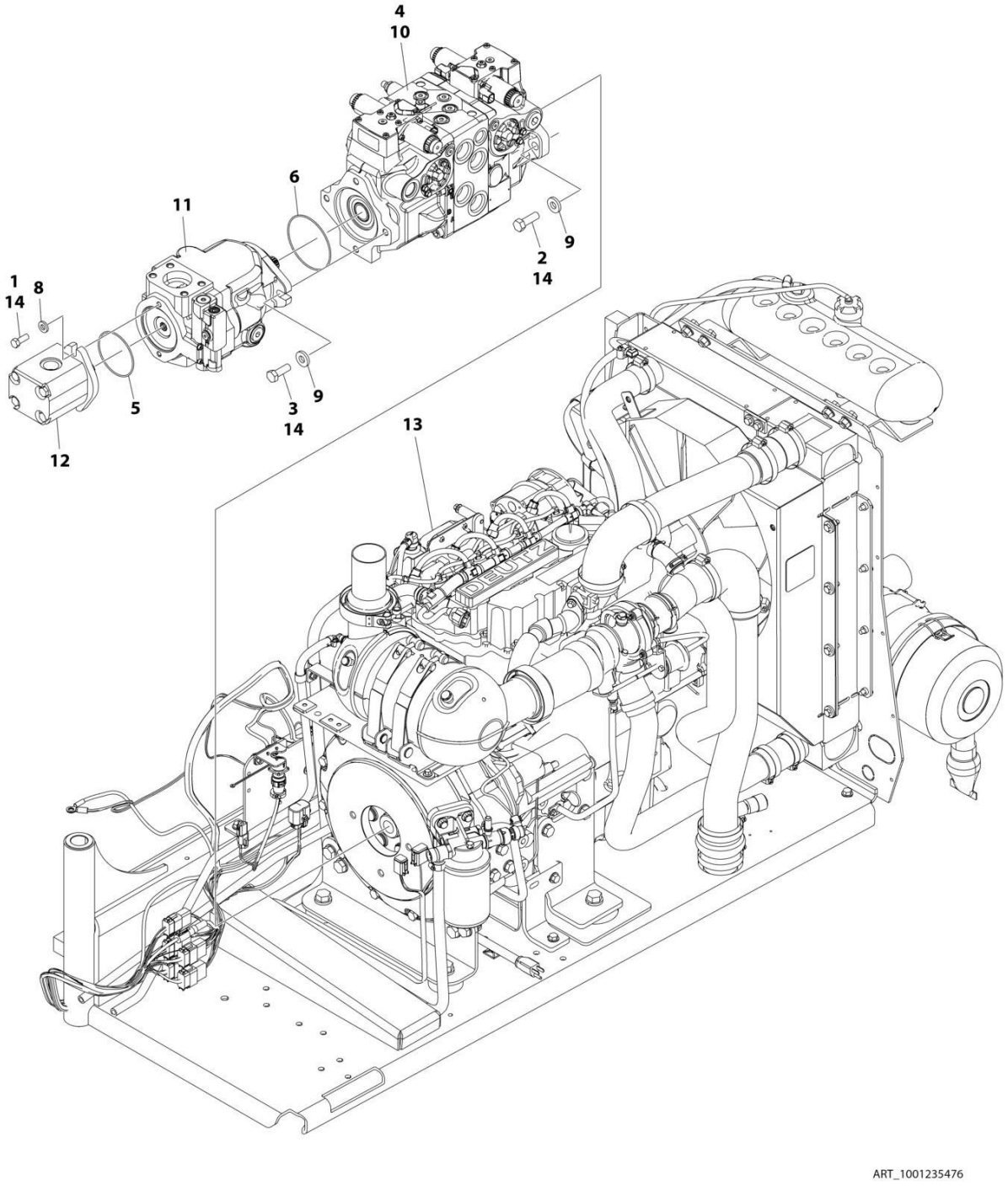


FIGURE 3-33. DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY - WITH SAUER PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235476	Ref	DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINE SUB-ASSEMBLY - WITH SAUER PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)	G
1	0641608	2	Bolt 3/8 x 1	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	0761215	2	Bolt M12 x 35	
4	3020037	AR	Grease, Pump Coupling	
5	3790152	1	O-Ring	
6	3790155	1	O-Ring	
8	4891600	2	Washer 3/8	
9	4891800	4	Washer 1/2	
10	1001108616	1	Pump Assembly - Sauer Tandem (See Separate Breakdown in this Section)	
11	1001171095	1	Pump Assembly - Sauer Piston (See Separate Breakdown in this Section)	
12	1001112927	1	Pump Assembly - Sauer Gear (See Separate Breakdown in this Section)	
13	1001235477	1	Engine Assembly (See Separate Breakdown in this Section)	
14	0100011	AR	Compound, Locking	

FIGURE 3-34. DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

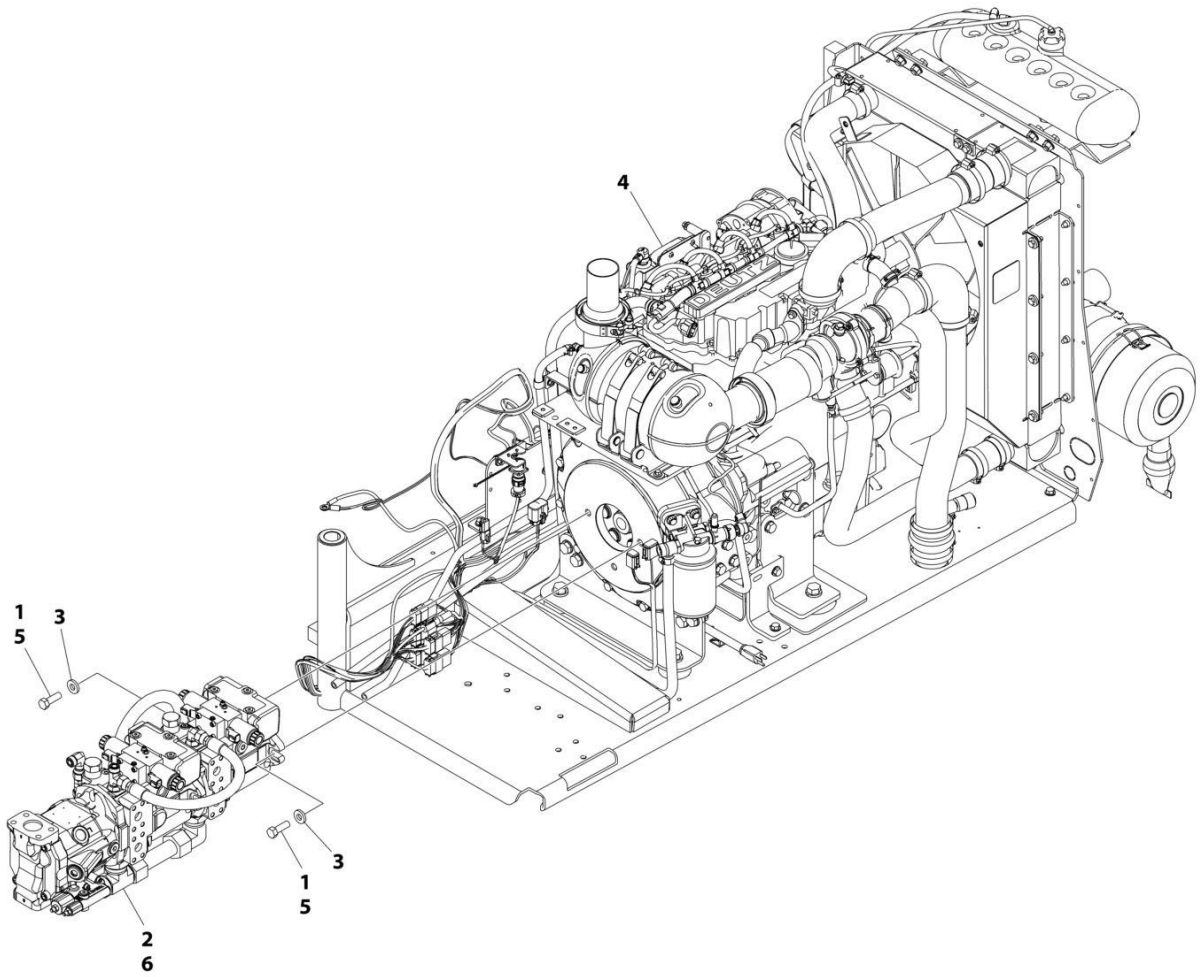
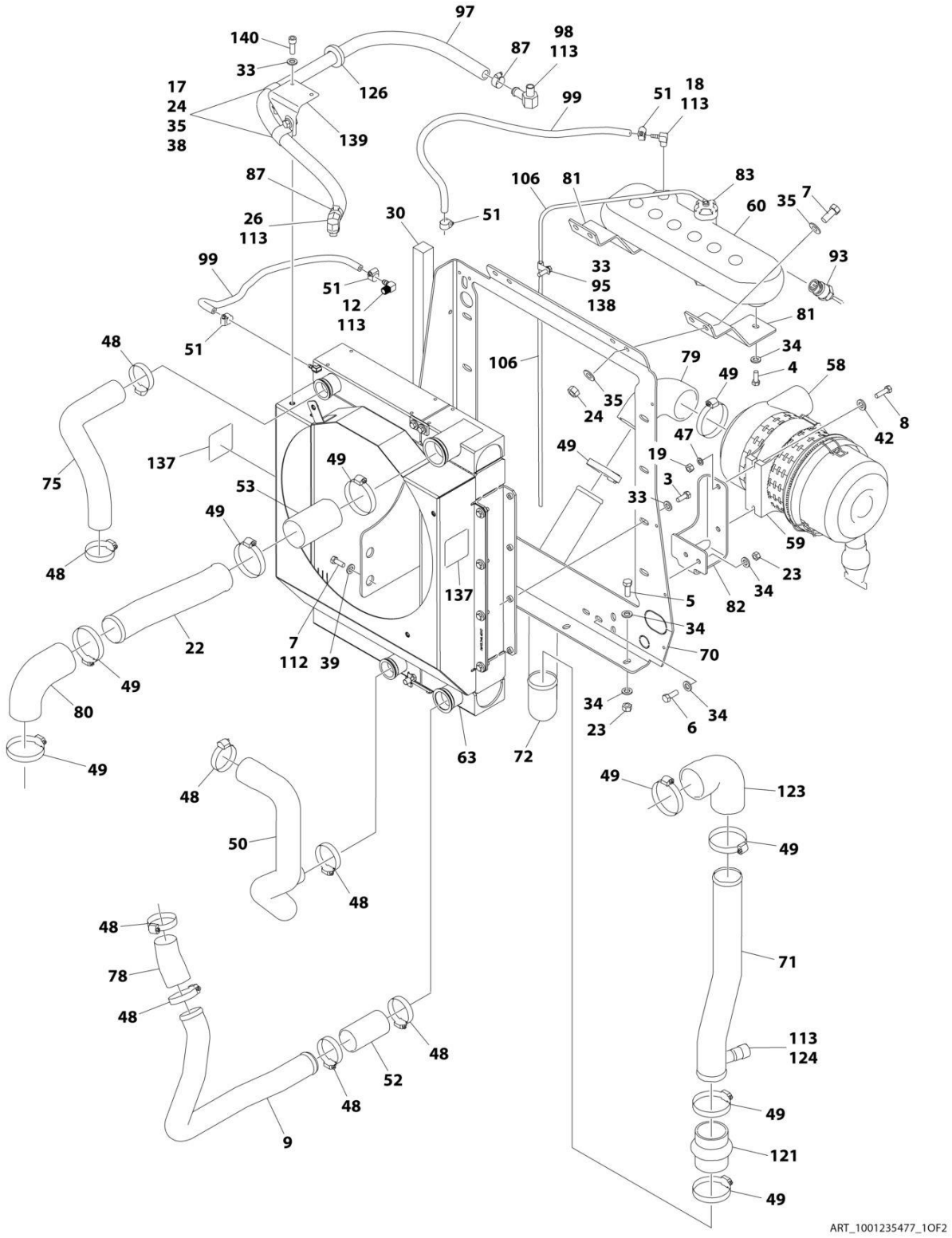


FIGURE 3-34. DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235479	Ref	DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINE SUB-ASSEMBLY - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)	G
1	0641812	2	Bolt 1/2 x 1-1/2	
2	3020037	AR	Grease, Pump Coupling	
3	4891800	2	Washer 1/2	
4	1001235477	1	Engine Assembly (See Separate Breakdown in this Section)	
5	0100011	AR	Compound, Locking	
6	1001152963	1	Pump Assembly - Rexroth (See Separate Breakdown in this Section)	

FIGURE 3-35. DEUTZ TCD2.9L4 (STAGE V) ENGINE ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE)



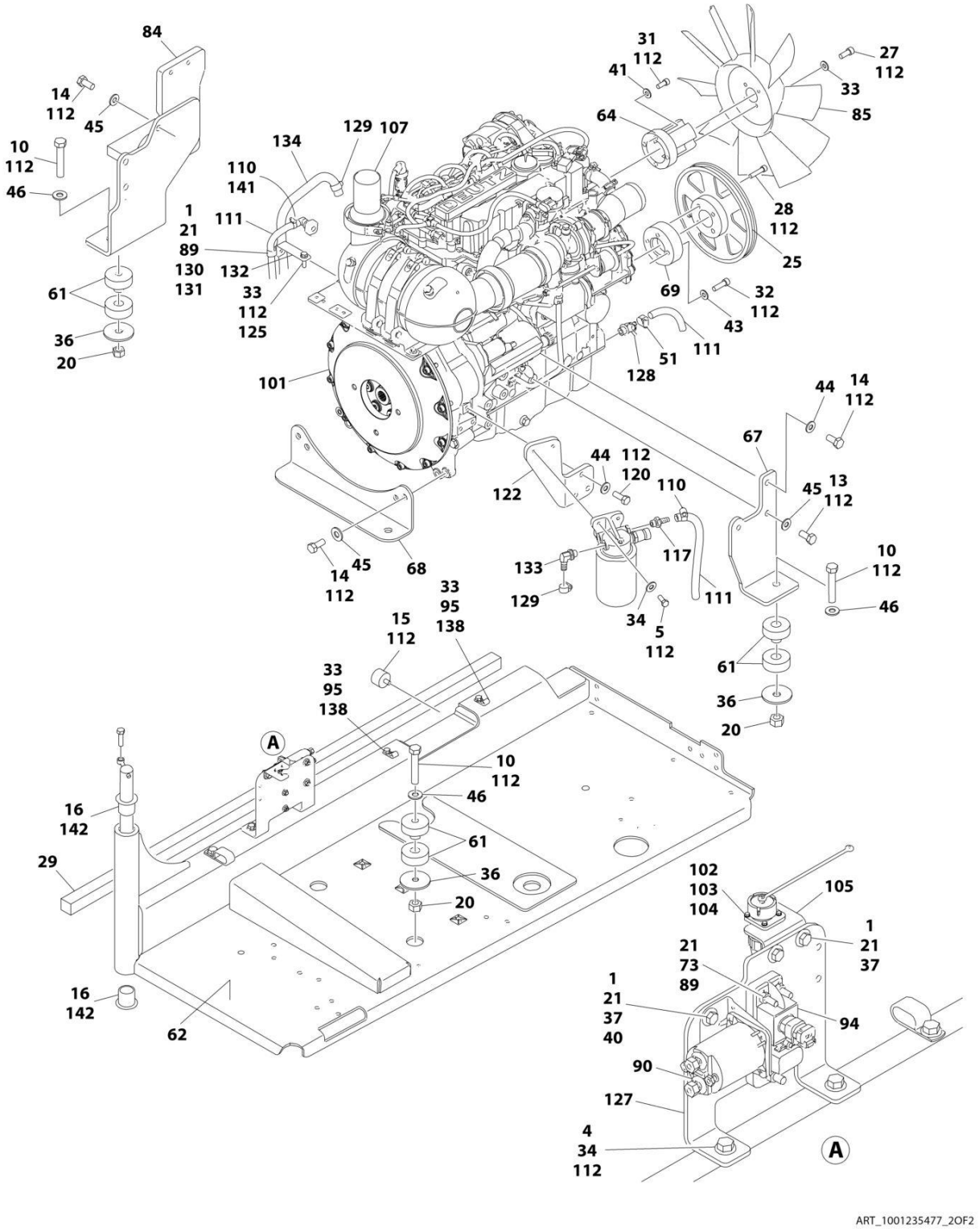


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FIGURE 3-35. DEUTZ TCD2.9L4 (STAGE V) ENGINE ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235477	Ref	DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINE ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE)	G
1	0641406	5	Bolt 1/4 x 3/4	
3	0641508	8	Bolt 5/16 x 1	
4	0641606	5	Bolt 3/8 x 3/4	
5	0641608	9	Bolt 3/8 x 1	
6	0641610	2	Bolt 3/8 x 1-1/4	
7	0641708	6	Bolt 7/16 x 1	
8	0700815	2	Bolt M8 x 35	
9	1001135913	1	Pipe, Turbo to Air Cleaner	
10	0682028	4	Bolt 5/8 x 3-1/2 Grade 8	
12	1001140564	1	Fitting, 90 Barbed	
13	0771212	1	Bolt M12 x 25 Grade 10.9	
14	0771414	9	Bolt M14 x 30 Grade 10.9	
15	0940070	1	Bumper	
16	0961986	2	Bushing, Flanged	
17	0641706	2	Bolt 7/16 x 3/4	
18	1001134488	1	Fitting, 90 Barbed	
19	3290801	2	Nut M8	
20	3272001	4	Nut 5/8 Grade 8	
21	3311405	6	Nut 1/4	
22	1001135914	1	Pipe, Air Cleaner to Intake	
23	3311605	9	Nut 3/8	
24	3311705	5	Nut 7/16	
25	3580320	1	Pulley	
26	1001141719	1	Fitting, 90 Barbed	
27	3931512	4	Capscrew 5/16 x 3/4	
28	3931628	4	Capscrew 3/8 x 1-3/4	
29	3960543	1	Seal	
30	3960544	1	Seal	
31	4031914	4	Bolt M8 x 50	
32	4032014	4	Bolt M10 x 50	
33	4711500	19	Washer 5/16	
34	4711600	25	Washer 3/8	
35	4711700	10	Washer 7/16	
36	1001146219	4	Washer Special	
37	4751400	8	Washer 1/4	
38	8406302	2	Clamp	
39	4751700	2	Washer 7/16	
40	4791400	2	Starwasher 1/4	
41	4811900	4	Washer M8	
42	4811902	2	Washer M8	
43	4812000	4	Washer M10	
44	4812100	4	Washer M12	
45	4812200	9	Washer M14	
46	4892000	4	Washer 5/8	
47	4831900	2	Washer M8	
48	8405201	8	Clamp	
49	8405204	10	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001135926	1	Pipe, Radiator (Lower)	
51	8410013	5	Clamp	
52	91563070	1	Coupling, Rubber	
53	1001114495	1	Hose	
58	1001133633	1	Air Cleaner Assembly	
58	70024190	1	Element, Air Filter	
59	1001133634	1	Clamp	
60	1001166393	1	Tank, Surge	
61	1001155575	4	Mount, Motor	
62	1001191272	1	Tray	
63	1001135090	1	Radiator	
64	1001135138	1	Spacer, Fan	
67	1001135560	1	Support, Engine	
68	1001135562	1	Support, Engine - Rear	
69	1001135679	1	Spacer, Pulley	
70	1001135680	1	Support, Radiator	
71	1001135901	1	Pipe, Air Intake	
72	1001135903	1	Pipe, Air Intake	
73	3931432	1	Capscrew 1/4 x 2	
75	1001135924	1	Hose, Radiator (Upper)	
78	1001135943	1	Coupling, Rubber	
79	1001135946	1	Elbow, Rubber	
80	1001136292	1	Pipe, 90	
81	1001136626	2	Bracket	
82	1001136665	1	Bracket	
83	1001136834	1	Cap, Tank	
84	1001142398	1	Support, Engine	
85	1001137276	1	Fan	
87	8405007	2	Clamp	
89	4711400	3	Washer 1/4	
90	1001117308	1	Relay	
93	1001138827	1	Sensor, Coolant Level	
94	1001138228	1	Module, Power	
94	70023592	1	Fuse 20Amp (Switched Output)	
94	70023593	1	Fuse 30Amp (Battery Output)	
95	1001138253	5	Clamp	
96	1001138346	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
97	1001138524	1	Hose	
98	1001138559	1	Fitting, 90	
99	2720015	4.5 ft/ 1.4m	Hose	
101	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
102	3310401	3	Nut #4	
103	3910408	3	Screw #4 x 1/2	
104	4710400	3	Washer #4	
105	1001139240	1	Bracket	
106	1001138248	4 ft/ 1.2m	Tubing	
107	1001153024	1	Pipe, Exhaust	
110	1320022	2	Clamp	
111	1001165035	30.5 ft/ 9.3m	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
112	0100011	AR	Compound, Locking	
113	0100020	AR	Sealant	
114	1001141304	1	Wire, Glow Plug (Not Shown)	
115	1001135779	1	Cable, Alternator Positive (Not Shown)	
117	1001141717	1	Fitting, Straight	
120	0761214	3	Bolt M12 x 30	
121	1001142637	1	Hose, Hump	
122	1001142685	1	Bracket	
123	1001165820	1	Pipe, Elbow	
124	1001143390	1	Indicator, Air Filter Service	
125	0760810	2	Bolt M8 x 20	
126	1001144089	1	Grommet	
127	1001145154	1	Plate, Mounting	
128	4640751	1	Valve, Oil Drain	
129	8405006	2	Clamp	
130	8406102	AR	Clip	
131	8406112	1	Clip	
132	1001138717	1	Bracket	
133	1001142501	1	Fitting, 90 Barbed	
134	1001154405	5 ft/ 1.5m	Hose	
135	1001148843	1	Harness, Fuel Filter (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
137	1703162	2	Decal - Fan	
138	0641503	3	Bolt 5/16 x 3/8	
139	1001153387	1	Plate	
140	3931508	2	Capscrew 5/16 x 1/2	
141	1001155823	1	Coupling	
142	0100062	AR	Adhesive, Loctite #680	
143	4240099	AR	Tie-Strap (Not Shown)	

FIGURE 3-36. DEUTZ TCD2.9L4 (STAGE V) ENGINE COMPONENTS

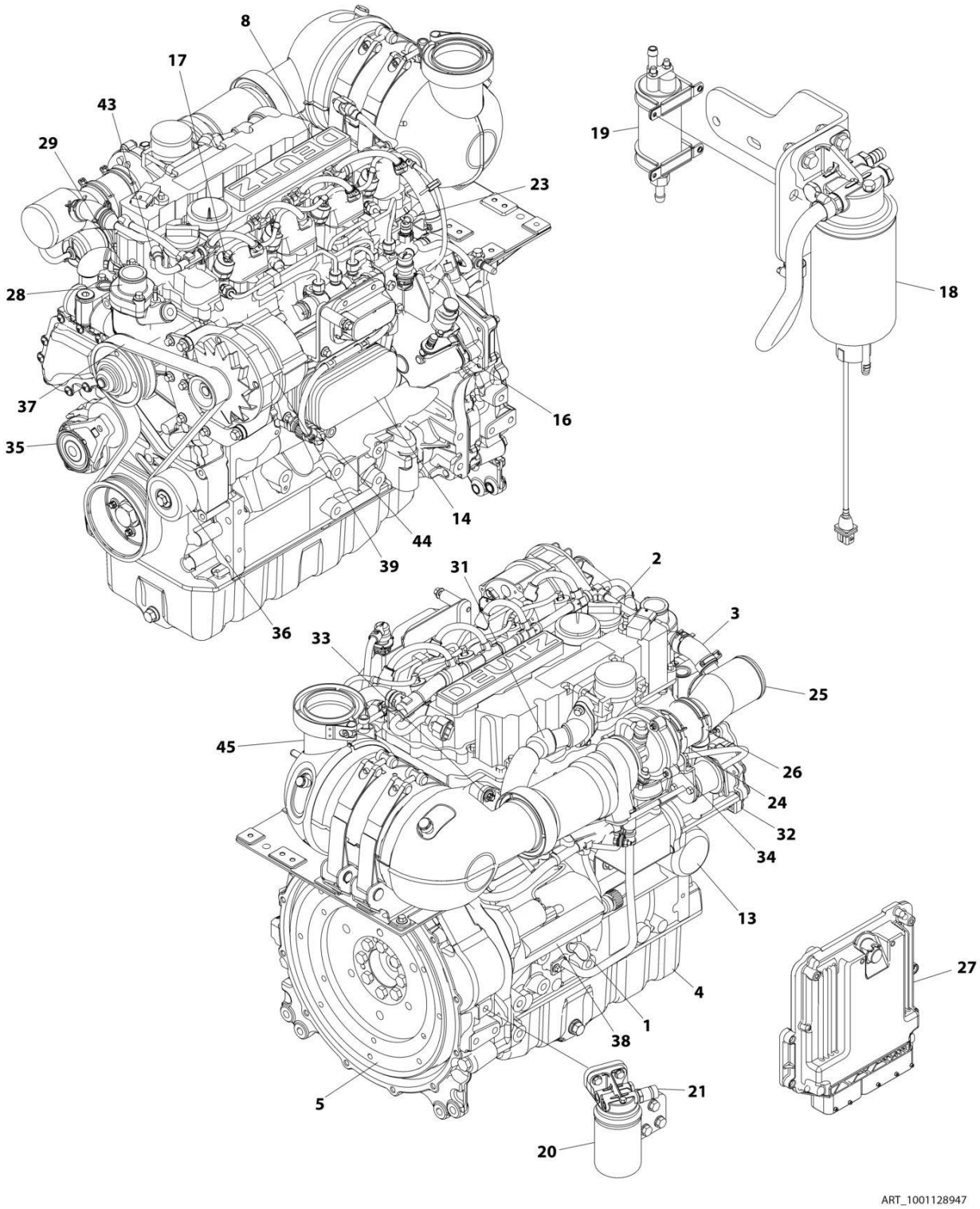
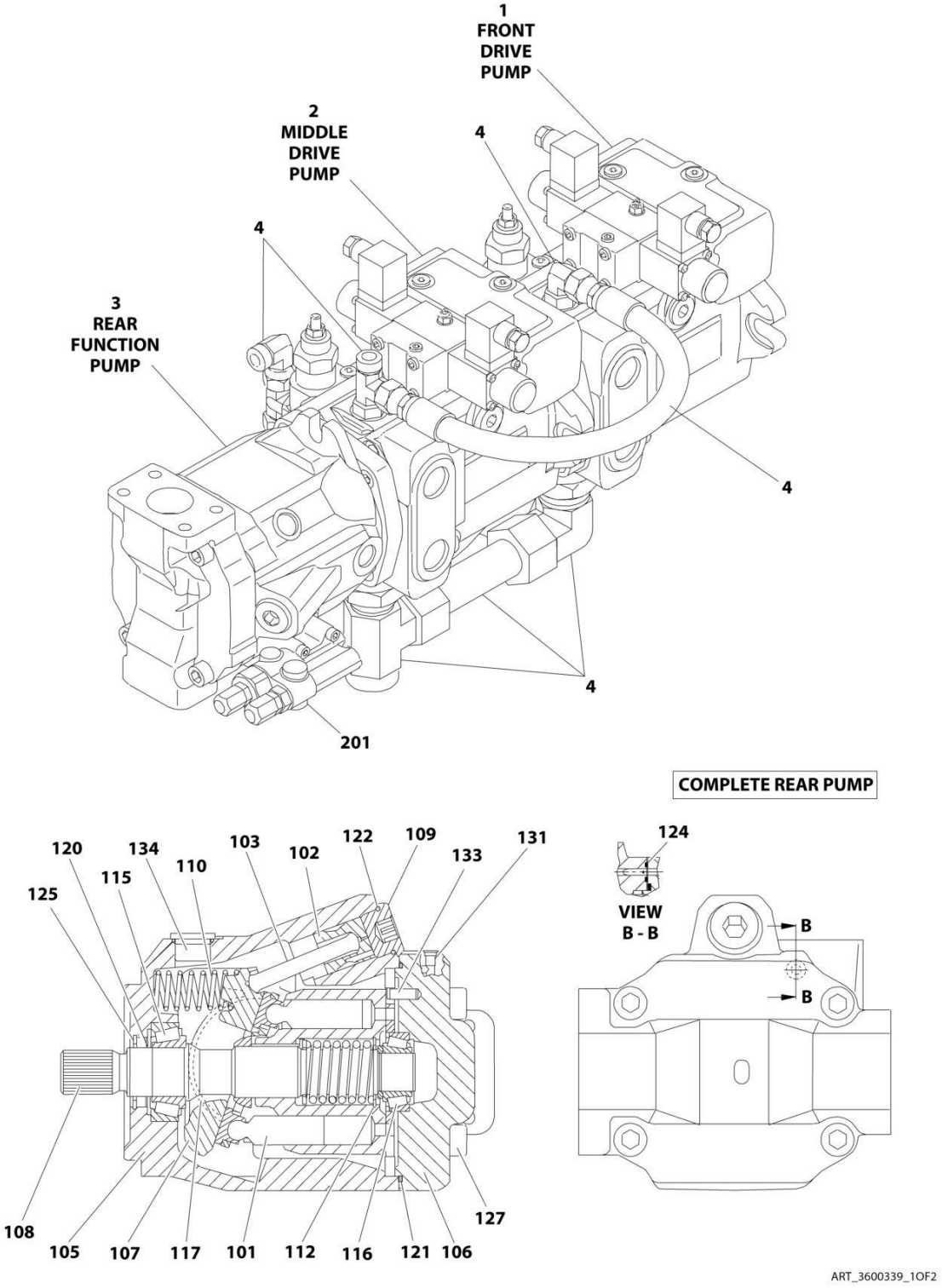


FIGURE 3-36. DEUTZ TCD2.9L4 (STAGE V) ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235459	Ref	DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINE COMPONENTS	B
1	70024904	1	Dipstick	
1	70024905	1	O-Ring	
2	7020465	2	Cap, Filler	
3	7002511	2	Clamp	
4	70025162	1	Pan, Oil	
4	70025088	2	Plug	
4	7020404	2	Washer, Sealing	
5	70001870	1	Flywheel	
5	7024579	1	Gear, Ring	
6	70024906	1	Gasket, Head (Not Shown)	
7	70025204	1	Shield, Heat (Not Shown)	
8	70025163	1	Cover, Valve	
8	70025205	1	Gasket	
8	70025206	1	Gasket, Small Valve Cover	
8	70025207	1	Gasket, Large Valve Cover	
8	70025208	1	Gasket	
9	70025076	1	Valve (Not Shown - Located on Right Side of Front Engine Cover)	
9	70025176	1	Spring	
9	70025082	1	Ring, Sealing	
9	70025091	1	Plug	
10	70025190	1	Cover, Front (Not Shown - Located on Front of Engine)	
10	70024907	1	Gasket, Front Cover	
10	70004280	1	Seal, Shaft - Front	
11	70002718	1	Seal, Shaft - Rear (Not Shown)	
12	70025202	1	Pump, Oil Lube (Not Shown)	
12	70025135	1	O-Ring	
12	70025136	1	Gasket	
13	7016331	1	Filter, Oil	
13	70025137	1	Bushing	
14	70004275	1	Cooler, Engine Oil	
14	70024925	1	Gasket	
15	70025171	1	Oil Suction Pump (Not Shown - Located Inside of Engine Oil Pan)	
16	70024924	1	Pump, Fuel	
16	70025152	1	O-Ring	
16	70025080	1	Washer	
16	70024488	1	Spacer	
16	70024517	1	O-Ring	
17	70025181	4	Injector, Fuel	
17	70025140	4	Washer, Sealing	
17	70025146	4	Clamp (Top of Injector)	
17	70025145	4	O-Ring	
17	70025154	4	Shoe, Clamping	
17	70000345	1	Plug, Glow (Not Shown)	
17	70025231	1	Harness, Glow Plug (Not Shown)	
18	70024961	1	Fuel Filter Assembly	
18	70025153	NLA	Filter, Fuel (Use p/n 1001225430)	
18	70024513	1	Cable, Sensor	
18	70025239	1	Ring, Sealing	
19	70024486	2	Pump, Fuel	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	70025144	1	Clamp	
20	70025160	1	Filter with Head	
20	70025161	NLA	Filter, Fuel (Use p/n 1001225431)	
21	70024504	1	Sensor, Pressure	
21	70024920	1	O-Ring	
21	70025103	1	Retainer	
22	70025151	1	Rail, Fuel (Not Shown)	
22	70025235	1	Repair Kit (Not Shown)	
23	70025182	1	Fuel Line - High Pressure (Cylinder 1 & 2)	
23	70025183	1	Fuel Line - High Pressure (Cylinder 3 & 4)	
23	70025184	1	Fuel Line - High Pressure (Supply)	
24	70004501	1	Sleeve, Rubber	
25	70004502	1	Pipe, Intake	
26	70025112	2	Clamp	
27	70025210	1	ECU (Engine Control Unit)	
28	70024910	1	Pump, Water	
28	70025200	1	Ring, Sealing	
28	70025084	2	Plug	
28	7020492	2	Ring, Sealing	
29	70024473	1	Thermostat	
29	70025143	1	O-Ring	
29	70025142	1	Cover, Thermostat	
30	70025177	1	Pipe (Not Shown - Located on Left Side)	
30	70025179	2	Gasket (Not Shown)	
31	70025178	1	Pipe	
31	70025156	1	Valve, Shuttle	
31	70025179	2	Gasket	
31	70025180	1	Gasket	
32	70025203	1	Module, EGR	
32	70025155	1	Plug	
33	70004282	1	Manifold, Exhaust	
33	70025164	1	Gasket, Exhaust Manifold to Head	
34	70004503	1	Turbocharger	
34	70024912	1	Gasket, Exhaust Manifold	
35	70025477	1	Tensioner, Belt	
36	70024484	1	Idler Roller	
37	70004277	1	Belt, Drive	
38	70024915	1	Starter	
39	70025533	1	Generator	
39	70025149	1	Regulator, Voltage	
40	70004284	1	Harness, Engine (Not Shown)	
41	70024507	1	Sensor, Pressure (Not Shown - Located Top Rear)	
41	70025120	1	O-Ring	
42	70026210	1	Sensor (Not Shown - Located Left Side Front and Flywheel Housing)	
42	70024917	1	O-Ring	
43	70024918	1	Sender, Temperature	
44	70024919	1	Sensor, Pressure	
44	70024920	1	O-Ring	
45	70005445	1	Outlet, Muffler	
46	70004279	1	Gasket Kit (Not Shown)	

FIGURE 3-37. PUMP ASSEMBLY (REXROTH) (DEUTZ TD2011 ENGINES)



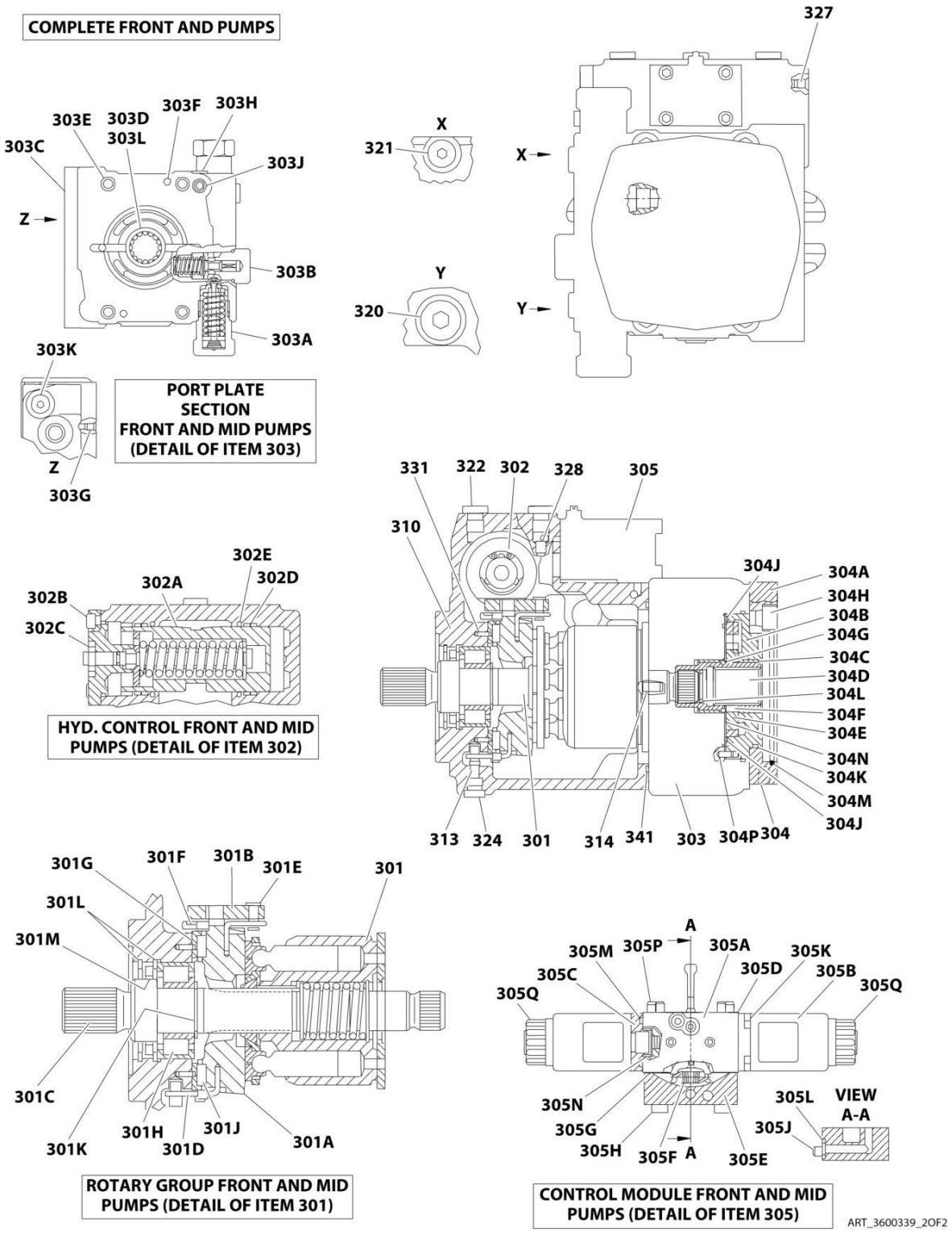

COMPLETE FRONT AND PUMPS
303E
303D
303L
303F
303H
303C
303J
Z
303B
303A
303K
Z
303G
PORT PLATE SECTION FRONT AND MID PUMPS (DETAIL OF ITEM 303)
X
321
Y
320
327
X
Y
331
322
302
328
305
310
304J
304A
304H
304B
304G
304C
304D
304L
304F
304E
304N
304K
304M
304J
313
324
301
314
341
303
304P
304
302E
302D
302A
302B
302C
HYD. CONTROL FRONT AND MID PUMPS (DETAIL OF ITEM 302)
301G
301F
301B
301E
301
301L
301M
301C
301K
301H
301D
301J
301A
ROTARY GROUP FRONT AND MID PUMPS (DETAIL OF ITEM 301)
A
305M
305P
305A
305K
305D
305B
305C
305Q
305Q
305N
305G
305H
305F
A
305E
305L
VIEW A-A
305J
CONTROL MODULE FRONT AND MID PUMPS (DETAIL OF ITEM 305)
ART_3600339_2OF2

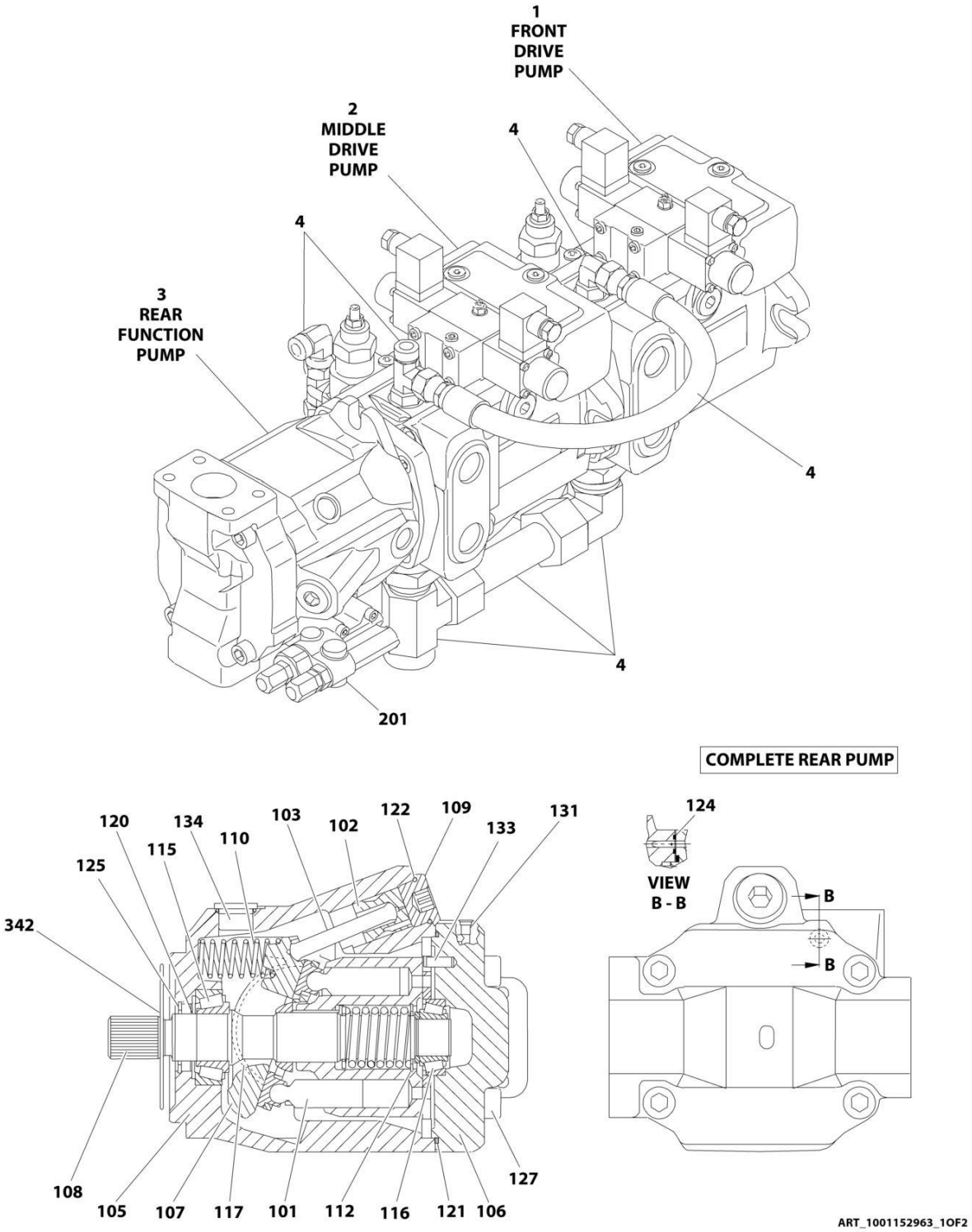
FIGURE 3-37. PUMP ASSEMBLY (REXROTH) (DEUTZ TD2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3600339	Ref	PUMP ASSEMBLY (REXROTH) (DEUTZ TD2011 ENGINES)	D
1	7024042	1	Front Drive Pump Assembly (Includes Items 301-341)	
2	7024043	1	Middle Drive Pump Assembly (Includes Items 301-341)	
3	7024044	1	Rear Function Pump Assembly (Includes Items 101-201)	
4	70001952	1	Hydraulic Kit (Includes all Rexroth Supplied Hydraulic Fittings, Hoses and Tubes)	
	7024044	Ref	REAR FUNCTION PUMP ASSEMBLY	
101	7024914	1	Rotary Section	
102	See Note	NSS	Piston, Control (Note: Not Available - Purchase Complete Assembly)	
103	See Note	NSS	Rod, Piston (Note: Not Available - Purchase Complete Assembly)	
105	See Note	NSS	Housing, Pump (Note: Not Available - Purchase Complete Assembly)	
106	See Note	NSS	Plate, Port (Note: Not Available - Purchase Complete Assembly)	
107	7024915	1	Plate, Swash	
108	7024916	1	Driveshaft	
109	See Note	NSS	Plug (Note: Not Available for Purchase)	
110	See Note	NSS	Spring (Note: Not Available for Purchase)	
112	7012709	1	Shim	
115	7024038	1	Bearing, Roller	
116	7012706	1	Bearing, Roller	
117	7024917	2	Shell, Cradle	
120	7024918	1	Seal, Shaft	
121	7024919	1	O-Ring	
122	7024920	1	O-Ring	
124	7024921	1	Seal	
125	7012715	1	V-Ring	
127	See Note	NSS	Capscrew M12 x 45 Grade 10.9 (Note: Not Available for Purchase)	
131	See Note	NSS	Plug (Note: Not Available for Purchase)	
133	See Note	NSS	Pin, Dowel (Note: Not Available for Purchase)	
134	See Note	NSS	Plug (Note: Not Available for Purchase)	
201	7024913	Ref	Pilot Valve Assembly	
		Ref	Note: Two mounting designs of p/n 7024913 pilot valve exist. Early design uses qty. 3 o-rings. Late design uses qty 1 sealing plate. Seal designs cannot be interchanged. Verify seal design before ordering.	
201	7024922	3	O-Ring (Seals between Pilot Valve and Rear Pump)	
201	70021867	1	Plate, Sealing (Seals between Pilot Valve and Rear Pump)	
		Ref	FRONT DRIVE PUMP ASSEMBLIES	
	7024042	Ref	Front Drive Pump Assembly	
	7024043	Ref	Middle Drive Pump Assembly	
301	7024064	1	Rotary Group	
301A	See Note	NSS	Cradle (Note: Use Item 301)	
301B	See Note	NSS	Ring, Slide (Note: Use Item 301)	
301C	See Note	NSS	Driveshaft (Note: Use Item 301)	
301D	See Note	NSS	Wire (Note: Use Item 301)	
301E	See Note	NSS	Pin, Joint (Note: Use Item 301)	
301F	See Note	NSS	Wire (Note: Use Item 301)	
301G	See Note	NSS	Liner, Bearing (Note: Use Item 301)	
301H	See Note	NSS	Bearing, Roller (Note: Use Item 301)	
301J	See Note	NSS	Cradle Bearing Assembly (Note: Use Item 301)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301K	See Note	NSS	Ring, Retaining (Note: Use Item 301)	
301L	70001968	2	Ring, Retaining	
301M	7024070	1	Seal, Shaft Ring	
302	7024065	1	Control Group - Hydraulic	
302A	See Note	NSS	Piston, Positioning - Complete (Note: Use Item 302)	
302A	7024071	1	O-Ring, Outer Seal	
302A	7024072	1	O-Ring, Stem	
302B	See Note	4	Capscrew M6 x 12 (Note: Not Available - Purchase Locally)	
302C	See Note	NSS	Nut (Note: Use Item 302)	
302D	See Note	NSS	Ring, Guide (Note: Use Item 302)	
302E	See Note	NSS	Seal, O-Ring (Note: Use Item 302)	
303	7024911	1	Port Plate Group	
303A	7024073	2	Cartridge, Relief Valve (High Pressure)	
303A	7024075	1	O-Ring	
303A	7024076	1	Ring, Back-up	
303B		Ref	Cartridge Options:	
303B	7024097	1	Front Pump Cartridge (Lock Valve with Orifice) Note: Sold as an Assembly except Outer Seal.	
303B	7024075	1	O-Ring	
303B	7023881	1	Middle Pump Cartridge (Pressure Relief Valve) Note: Sold as an Assembly except Outer Seal.	
303B	7024077	1	O-Ring	
303C	See Note	NSS	Plate, Port (Note: Use Item 303)	
303D	See Note	NSS	Bushing, Bearing (Note: Use Item 303)	
303E	See Note	4	Capscrew M12 x 70 Grade10.9 (Note: Not Available - Purchase Locally)	
303F	See Note	NSS	Pin, Dowel (Note: Use Item 303)	
303G	See Note	NSS	Pin, Break-off (Note: Use Item 303)	
303H	See Note	1	Screw M10 x 1 (Note: Not Available - Purchase Locally)	
303J	7024908	2	O-Ring	
303K	See Note	2	Screw 7/16 (Note: Not Available - Purchase Locally)	
303L	See Note	NSS	Bearing, Roller (Note: Use Item 303)	
304	7024906	1	Internal Gear Pump	
304A	See Note	NSS	Flange, Intermediate (Note: Use Item 304)	
304B	See Note	NSS	IZP-Housing (Note: Use Item 304)	
304C	See Note	NSS	Bushing, Bearing (Note: Use Item 304)	
304D	See Note	NSS	Coupling, Driveshaft Through (Note: Use Item 304)	
304E	See Note	NSS	Gear Set (Note: Use Item 304)	
304F	See Note	NSS	Key, Driveshaft (Note: Use Item 304)	
304G	See Note	NSS	Ring, Retaining (Note: Use Item 304)	
304H	See Note	4	Capscrew M10 x 20 (Note: Not Available - Purchase Locally)	
304J	7024080	2	Seal	
304K	7024081	1	O-Ring	
304L	See Note	NSS	Ring, Retaining (Note: Use Item 304)	
304M	See Note	NSS	O-Ring (Note: Use Item 304)	
304N	7024005	1	Plate, Wear	
304P	See Note	NSS	Pin, Cylinder (Note: Use Item 304)	
305	7024068	1	Control Module	
305A	7024084	1	Valve Body, Lever and Internal Components	
305B	7024083	2	Coil, Solenoid	
305C	See Note	NSS	Spacer, Coil (Note: Use Item 305)	
305D	7024085	1	Gasket	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
305E	See Note	NSS	Cover (Note: Use Item 305)	
305F	See Note	NSS	Spring, Draw (Note: Use Item 305)	
305G	See Note	NSS	Gasket (Note: Use Item 305)	
305H	See Note	4	Capscrew M6 x 65 (Note: Not Available - Purchase Locally)	
305J	See Note	1	Capscrew M6 x 45 (Note: Not Available - Purchase Locally)	
305K	See Note	8	Capscrew M5 x 10 (Note: Not Available - Purchase Locally)	
305L	7024087	1	O-Ring	
305M	7024088	2	O-Ring	
305N	7024089	2	Cup, Spring	
305P	See Note	NSS	Pin, Cylinder (Note: Use Item 305)	
305Q	70002569	2	Nut, Coil	
310	See Note	1	Housing (Note: Not Available for Purchase)	
313	See Note	2	Pin, Dowel (Note: Not Available for Purchase)	
314	See Note	1	Pin, Cylinder (Note: Not Available for Purchase)	
320	See Note	1	Screw 7/8 (Front Drive Pump Only) (Note: Not Available - Purchase Locally)	
321	See Note	1	Screw 9/16 (Note: Not Available - Purchase Locally)	
322	See Note	1	Screw 7/16 (Note: Not Available - Purchase Locally)	
324	See Note	1	Screw M10 x 1 (Note: Not Available - Purchase Locally)	
327	See Note	1	Pin, Double Break-off (Note: Not Available for Purchase)	
328	7018936	2	Orifice	
331	See Note	2	Pin, Clamping (Note: Not Available for Purchase)	
341	7024069	1	O-Ring	

FIGURE 3-38. PUMP ASSEMBLY (REXROTH) (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)



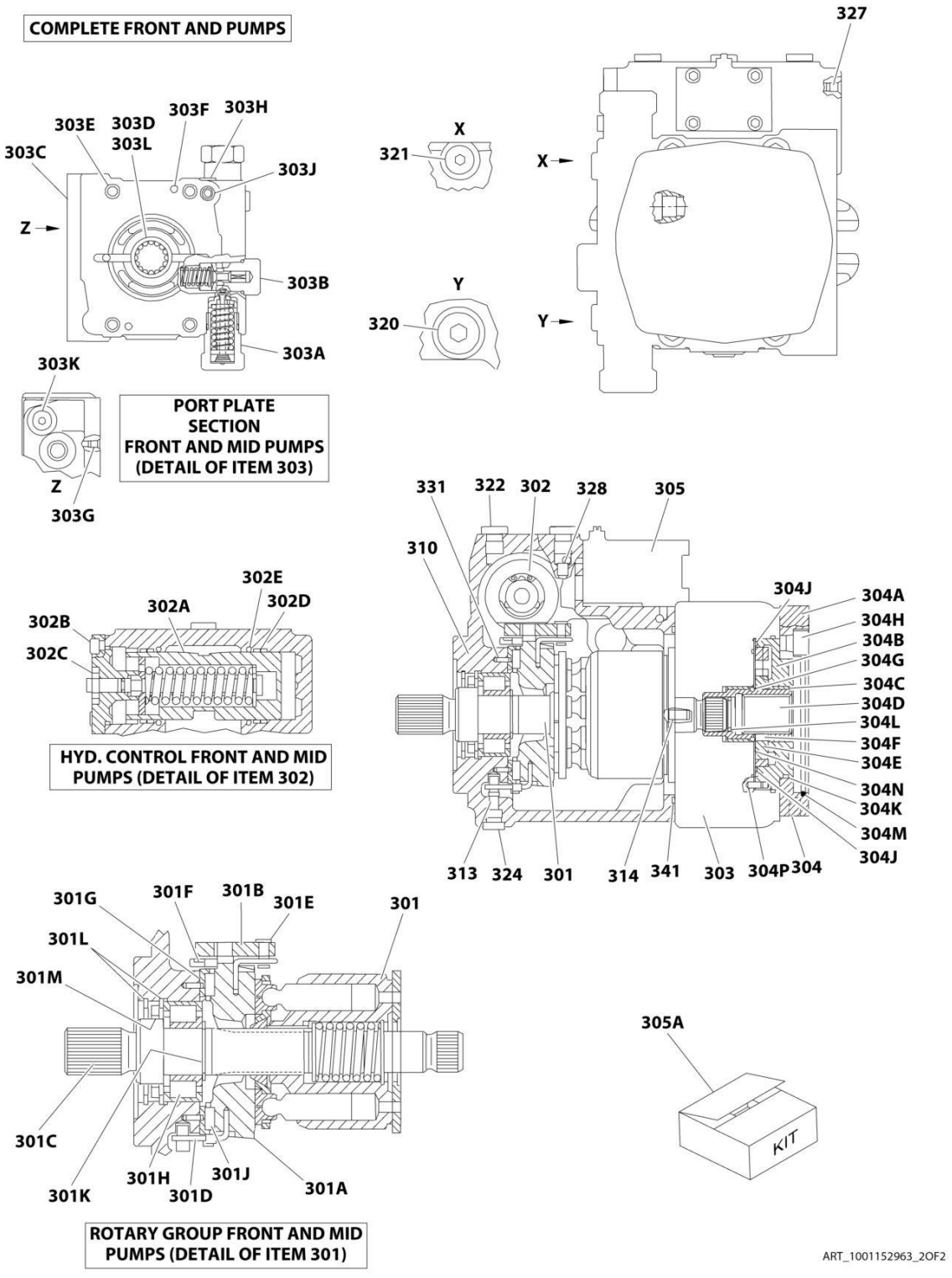

COMPLETE FRONT AND PUMPS
303E
303D
303F
303H
303L
303C
303J
Z
303B
303A
303K
Z
303G
PORT PLATE SECTION FRONT AND MID PUMPS (DETAIL OF ITEM 303)
X
321
Y
320
327
X
Y
331
322
302
328
305
310
304J
304A
304H
304B
304G
304C
304D
304L
304F
304E
304N
304K
304M
304J
313
324
301
314
341
303
304P
304
302E
302D
302A
302B
302C
HYD. CONTROL FRONT AND MID PUMPS (DETAIL OF ITEM 302)
301G
301F
301B
301E
301
301L
301M
301C
301K
301H
301D
301J
301A
ROTARY GROUP FRONT AND MID PUMPS (DETAIL OF ITEM 301)
305A
KIT
ART_1001152963_2OF2

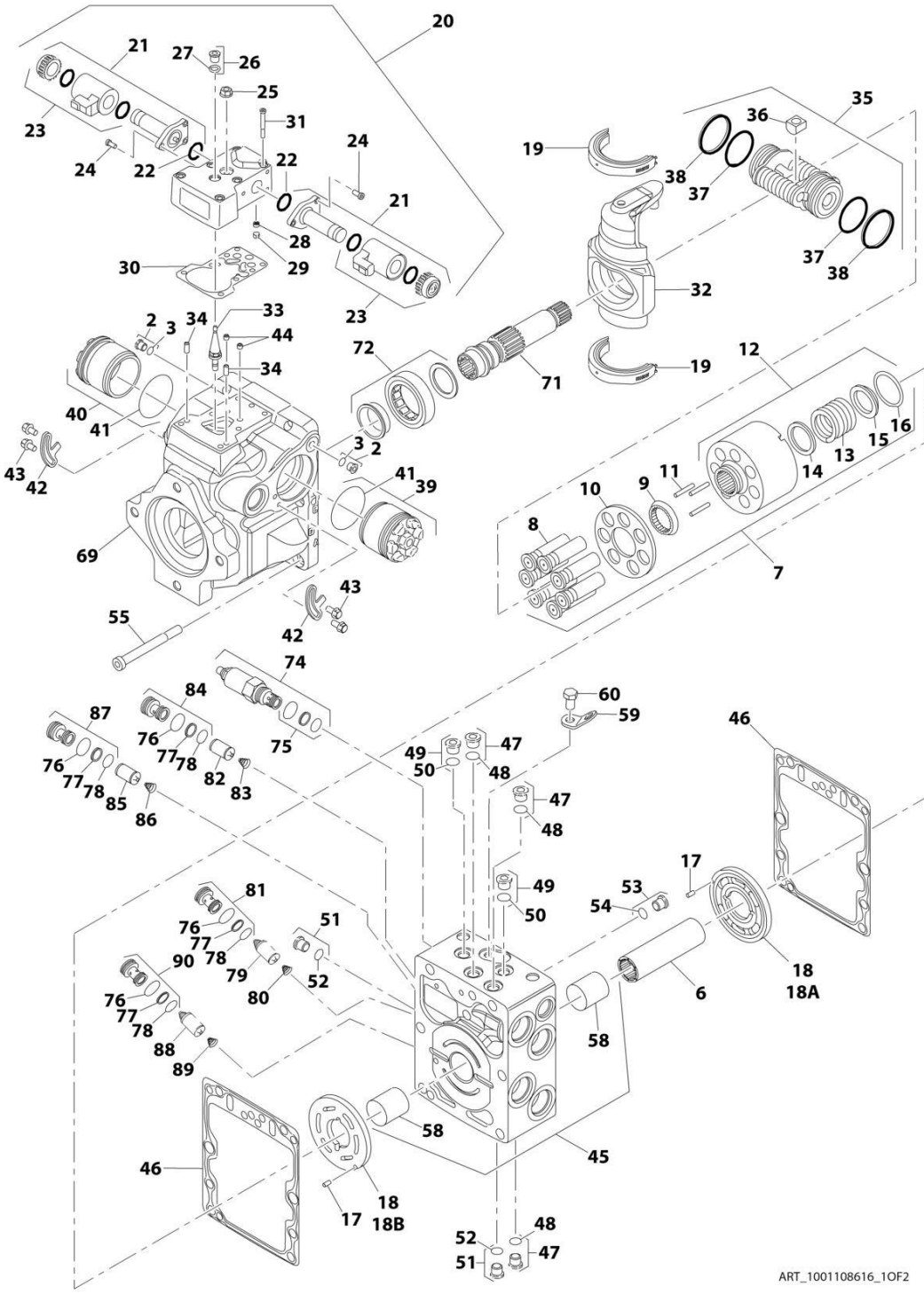
FIGURE 3-38. PUMP ASSEMBLY (REXROTH) (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)

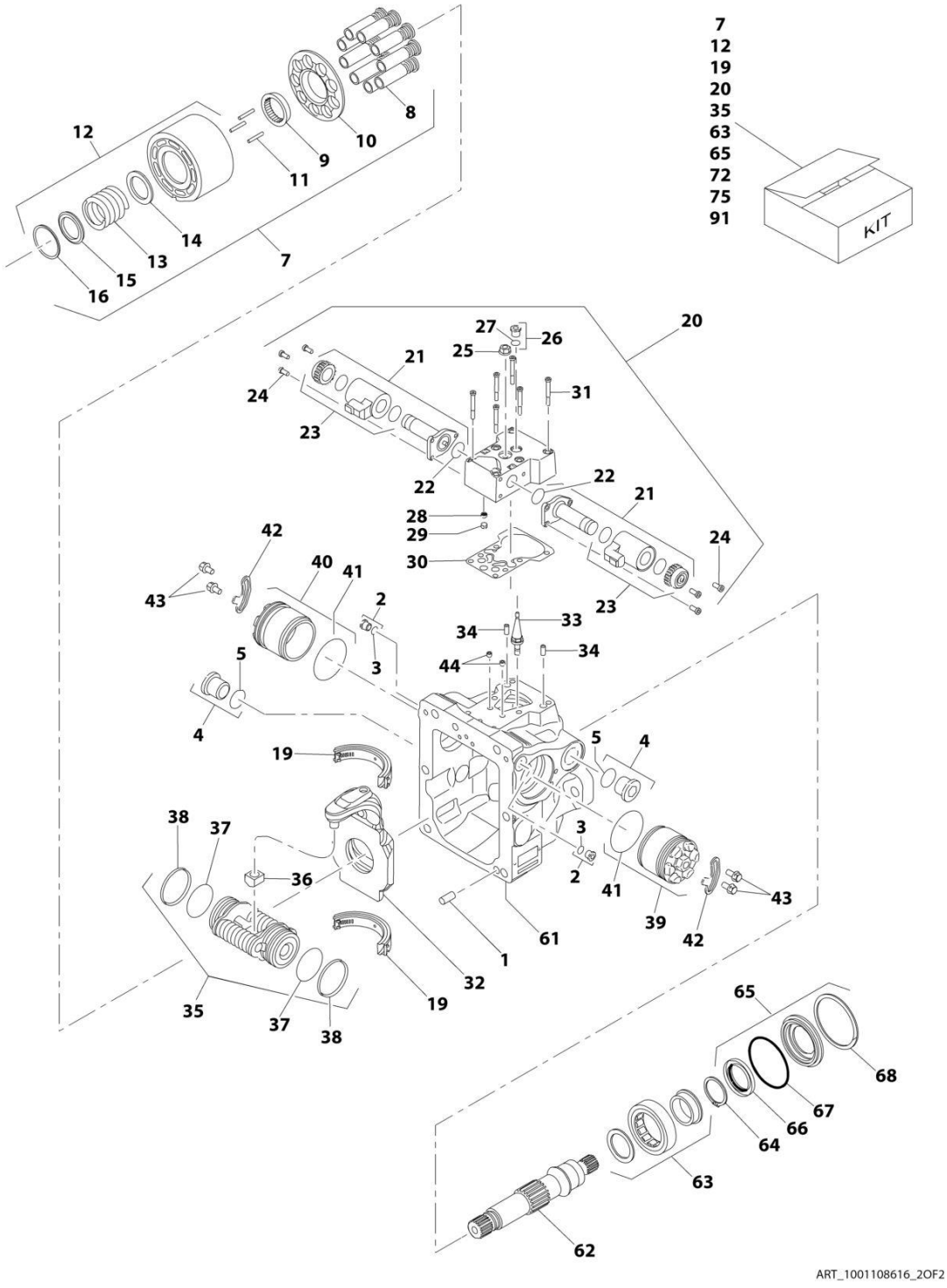
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152963	Ref	PUMP ASSEMBLY (REXROTH) (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)	C
1	70005480	1	Front Drive Pump Assembly (Includes Items 301-341)	
2	70005481	1	Middle Drive Pump Assembly (Includes Items 301-341)	
3	7024044	1	Rear Function Pump Assembly (Includes Items 101-201)	
4	See Note	NSS	Hydraulic Kit (Includes all Rexroth Supplied Hydraulic Fittings, Hoses and Tubes) (Note: Not Available for Purchase)	
	7024044	Ref	REAR FUNCTION PUMP ASSEMBLY	
101	7024914	1	Rotary Section	
102	See Note	NSS	Piston Control (Note: Not Available - Purchase Complete Assembly)	
103	See Note	NSS	Rod, Piston (Note: Not Available - Purchase Complete Assembly)	
105	See Note	NSS	Housing, Pump (Note: Not Available - Purchase Complete Assembly)	
106	See Note	NSS	Plate, Port (Note: Not Available - Purchase Complete Assembly)	
107	7024915	1	Plate, Swash	
108	7024916	1	Driveshaft	
109	See Note	NSS	Plug (Note: Not Available for Purchase)	
110	See Note	NSS	Spring (Note: Not Available for Purchase)	
112	7012709	1	Shim	
115	7024038	1	Bearing, Roller	
116	7012706	1	Bearing, Roller	
117	7024917	2	Shell, Cradle	
120	7024918	1	Seal, Shaft	
121	7024919	1	O-Ring	
122	7024920	1	O-Ring	
124	7024921	1	Seal	
125	7012715	1	V-Ring	
127	See Note	NSS	Capscrew M12 x 45 Grade 10.9 (Note: Not Available for Purchase)	
131	See Note	NSS	Plug (Note: Not Available for Purchase)	
133	See Note	NSS	Pin, Dowel (Note: Not Available for Purchase)	
134	See Note	NSS	Plug (Note: Not Available for Purchase)	
201	7024913	Ref	Pilot Valve Assembly	
		Ref	Note: Two mounting designs of p/n 7024913 pilot valve exist. Early design uses qty. 3 o-rings. Late design uses qty. 1 sealing plate. Seal designs cannot be interchanged. Verify seal design before ordering.	
201	7024922	3	O-Ring (Seals between Pilot Valve and Rear Pump)	
201	70021867	1	Plate, Sealing (Seals between Pilot Valve and Rear Pump)	
		Ref	FRONT DRIVE PUMP ASSEMBLIES	
	70005480	Ref	Front Drive Pump Assembly	
	70005481	Ref	Middle Drive Pump Assembly	
		Ref	Note: Service Parts not available at time of printing, call-out number on illustration for ref only.	
301	See Note	NSS	Rotary Group (Use p/n 70005480 or 70005481)	
301A	See Note	NSS	Cradle (Note: Use Item 301)	
301B	See Note	NSS	Ring, Slide (Note: Use Item 301)	
301C	See Note	NSS	Driveshaft (Note: Use Item 301)	
301D	See Note	NSS	Wire (Note: Use Item 301)	
301E	See Note	NSS	Pin, Joint (Note: Use Item 301)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301F	See Note	NSS	Wire (Note: Use Item 301)	
301G	See Note	NSS	Liner, Bearing (Note: Use Item 301)	
301H	See Note	NSS	Bearing, Roller (Note: Use Item 301)	
301J	See Note	NSS	Cradle Bearing Assembly (Note: Use Item 301)	
301K	See Note	NSS	Ring, Retaining (Note: Use Item 301)	
301L	See Note	NSS	Ring, Retaining (Note: Not Available for Purchase)	
301M	See Note	NSS	Seal, Shaft Ring	
302	See Note	NSS	Control Group - Hydraulic (Use p/n 70005480 or 70005481)	
302A	See Note	NSS	Piston, Positioning - Complete (Note: Use Item 302)	
302A	See Note	NSS	O-Ring, Outer Seal (Note: Not Available for Purchase)	
302A	See Note	NSS	O-Ring, Stem (Note: Not Available for Purchase)	
302B	See Note	4	Capscrew M6 x 12 (Note: Not Available - Purchase Locally)	
302C	See Note	NSS	Nut (Note: Use Item 302)	
302D	See Note	NSS	Ring, Guide (Note: Use Item 302)	
302E	See Note	NSS	Seal, O-Ring (Note: Use Item 302)	
303	See Note	NSS	Port Plate Group (Use p/n 70005480 or 70005481)	
303A	See Note	NSS	Cartridge, Relief Valve (High Pressure) (Note: Not Available for Purchase)	
303A	See Note	NSS	O-Ring (Note: Not Available for Purchase)	
303A	See Note	NSS	Ring, Back-up (Note: Not Available for Purchase)	
303B		Ref	Cartridge Options:	
303B	See Note	NSS	Front Pump Cartridge (Lock Valve with Orifice) Note: Sold as an Assembly except Outer Seal. (Note: Not Available for Purchase)	
303B	See Note	NSS	O-Ring (Note: Not Available for Purchase)	
303B	See Note	NSS	Middle Pump Cartridge (Pressure Relief valve) Note: Sold as an Assembly except Outer Seal. (Note: Not Available for Purchase)	
303B	See Note	NSS	O-Ring	
303C	See Note	NSS	Plate, Port (Note: Use Item 303)	
303D	See Note	NSS	Bushing, Bearing (Note: Use Item 303)	
303E	See Note	4	Capscrew M12 x 70 Grade 10.9 (Note: Not Available - Purchase Locally)	
303F	See Note	NSS	Pin, Dowel (Note: Use Item 303)	
303G	See Note	NSS	Pin, Break-off (Note: Use Item 303)	
303H	See Note	1	Screw M10 x 1 (Note: Not Available - Purchase Locally)	
303J	See Note	NSS	O-Ring (Note: Not Available for Purchase)	
303K	See Note	2	Screw 7/16 (Note: Not Available - Purchase Locally)	
303L	See Note	NSS	Bearing, Roller (Note: Use Item 303)	
304	See Note	NSS	Internal Gear Pump (Use p/n 70005480 or 70005481)	
304A	See Note	NSS	Flange, Intermediate (Note: Use Item 304)	
304B	See Note	NSS	IZP-Housing (Note: Use Item 304)	
304C	See Note	NSS	Bushing, Bearing (Note: Use Item 304)	
304D	See Note	NSS	Coupling, Driveshaft Through (Note: Use Item 304)	
304E	See Note	NSS	Gear Set (Note: Use Item 304)	
304F	See Note	NSS	Key, Driveshaft (Note: Use Item 304)	
304G	See Note	NSS	Ring, Retaining (Note: Use Item 304)	
304H	See Note	4	Capscrew M10 x 20 (Note: Not Available - Purchase Locally)	
304J	See Note	NSS	Seal (Note: Not Available for Purchase)	
304K	See Note	NSS	O-Ring (Note: Not Available for Purchase)	
304L	See Note	NSS	Ring, Retaining (Note: Use Item 304)	
304M	See Note	NSS	O-Ring (Note: Use Item 304)	
304N	See Note	NSS	Plate, Wear (Note: Not Available for Purchase)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
304P	See Note	NSS	Pin, Cylinder (Note: Use Item 304)	
305	See Note	NSS	Control Module (Use p/n 70005480 or 70005481)	
305	See Note	NSS	Coil, Solenoid (Note: Not Available for Purchase)	
305A	See Note	NSS	Seal Kit (Note: Not Available for Purchase)	
310	See Note	1	Housing (Note: Not Available for Purchase)	
313	See Note	2	Pin, Dowel (Note: Not Available for Purchase)	
314	See Note	1	Pin, Cylinder (Note: Not Available for Purchase)	
320	See Note	1	Screw 7/8 (Front Drive Pump Only) (Note: Not Available - Purchase Locally)	
321	See Note	1	Screw 9/16 (Note: Not Available - Purchase Locally)	
322	See Note	1	Screw 7/16 (Note: Not Available - Purchase Locally)	
324	See Note	1	Screw M10 x 1 (Note: Not Available - Purchase Locally)	
327	See Note	1	Pin, Double Break-off (Note: Not Available - Purchase Locally)	
328	See Note	NSS	Orifice (Note: Not Available for Purchase)	
331	See Note	2	Pin, Clamping (Note: Not Available for Purchase)	
341	See Note	NSS	O-Ring (Note: Not Available for Purchase)	
342	70007178	1	O-Ring	

FIGURE 3-39. PUMP ASSEMBLY (SAUER TANDEM)




7
12
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63
65
72
75
91
KIT
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FIGURE 3-39. PUMP ASSEMBLY (SAUER TANDEM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108616	Ref	PUMP ASSEMBLY (SAUER TANDEM)	D
1	70002132	4	Pin	
2	70002133	4	Plug Assembly (Includes Item 3)	
3	7007207	4	O-Ring (Part of Item 2)	
4	7007419	2	Plug Assembly (Includes Item 5)	
5	7007418	2	O-Ring (Part of Item 4)	
6	70002600	1	Coupling	
7	70002135	2	Cylinder Block Kit (Each Kit Includes Qty 1 of Items 8-10 & 12-16 & Qty 3 of Item 11)	
8	70002136	2	Piston Assembly Kit (Includes Qty 9 Piston Assemblies) (Part of Item 7)	
9	70002137	2	Guide, Slipper Retainer (Part of Item 7)	
10	70002138	2	Retainer, Slipper (Part of Item 7)	
11	7021275	6	Pin, Slipper Retainer Holddown (Part of Item 7)	
12	70002143	2	Cylinder Block Assembly (Includes Qty 1 of Items 13-16) (Part of Item 7)	
13	70002139	2	Spring (Part of Item 12)	
14	70002140	2	Washer (Part of Item 12)	
15	70002141	2	Washer (Part of Item 12)	
16	70002142	2	Ring, Retaining (Part of Item 12)	
17	7007446	2	Pin	
18		Ref	Plate, Valve Options:	
18A	70002601	1	Plate, CW Valve	
18B	70002602	1	Plate, CCW Valve	
19	70002145	2	Swashplate Bearing Kit (Includes Qty 2 Bearings)	
20	70002618	2	EDC Kit (Includes Items 21-31)	
21	70002619	4	Solenoid Valve Assembly (Includes Items 22 & 23) (Part of Item 20)	
22	70002148	4	O-Ring (2 Per EDC Assembly) (Part of Item 21)	
23	70002620	4	Coil, Nut and Seals Kit (2 Per EDC Assembly) (Part of Item 21)	
24	70002150	12	Screw (Part of Item 20)	
25	7022301	2	Nut, Seal (Part of Item 20)	
26	70002151	2	Plug Assembly (Part of Item 20) (Includes Item 27)	
27	7007207	2	O-Ring (Part of Item 26)	
28	70002134	2	Screen (Part of Item 20)	
29	70002153	2	Ring, Locking (Part of Item 20)	
30	70002154	2	Gasket, Control (Part of Item 20)	
31	70002156	12	Capscrew (Part of Item 20)	
32	70002152	2	Swashplate	
33	70002155	2	Link, Swashplate	
34	70002157	4	Pin, Dowel	
35	70002158	2	Servo Piston Assembly (Includes Items 36-38)	
36	70002159	2	Block, Slider (Part of Item 35)	
37	70002160	2	O-Ring (Part of Item 35)	
38	70002161	2	Ring, Piston (Part of Item 35)	
39	70002162	2	Cylinder, Servo	
40	70002162	2	Cylinder, Servo	
41	70002163	4	O-Ring	
42	70002164	4	Plate, Locking	
43	70002165	8	Screw	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	70002604	4	Orifice	
45	70002605	1	Center Section Assembly (Includes Item 58)	
46	70002168	2	Gasket, End Cap	
47	70001958	2	Plug Assembly (Includes Item 48)	
48	7021256	2	O-Ring (Part of Item 47)	
49	70001958	2	Plug Assembly (Includes Item 50)	
50	7021256	2	O-Ring (Part of Item 49)	
51	70001958	2	Plug Assembly (Includes Item 52)	
52	7021256	2	O-Ring (Part of Item 51)	
53	70001958	2	Plug Assembly (Includes Item 54)	
54	7021256	2	O-Ring (Part of Item 53)	
55	70002606	4	Capscrew	
58	70002607	2	Bearing, Journal (Part of Item 45)	
59	7022608	1	Bracket, Lifting	
60	70002609	1	Screw	
61	See Note	NSS	Housing (Note: Not Available for Purchase)	
62	70002175	1	Shaft	
63	70002610	1	Ball Bearing Kit	
64	70007439	1	Ring, Retaining	
65	70002174	1	Shaft Seal Kit (Includes Items 66-68) (Note: This is a universal kit and will contain extra pieces that are not used on this pump assembly)	
66	70002177	1	Seal, Lip	
67	70002178	1	O-Ring	
68	70002179	1	Ring, Retaining	
69	See Note	NSS	Housing (Note: Not Available for Purchase)	
71	70002612	1	Shaft	
72	70002610	1	Ball Bearing Kit	
74	70002621	1	High Pressure Relief Valve Cartridge Assembly (Includes Item 75)	
75	70002622	1	Seal Kit - 70002621 Valve (Part of Item 74)	
76	7007415	1	O-Ring (Part of Items 81, 84, 87 & 90)	
77	7021293	1	Ring, Back-up (Part of Items 81, 84, 87 & 90)	
78	7022300	1	O-Ring (Part of Items 81, 84, 87 & 90)	
79	70002616	1	SCR Valve Assembly	
80	7024800	1	Spring	
81	7021265	1	Plug Assembly (Includes Qty 1 of Items 76-78)	
82	70002616	1	SCR Valve Assembly	
83	7024800	1	Spring	
84	7021265	1	Plug Assembly (Includes Qty 1 of Items 76-78)	
85	70002616	1	SCR Valve Assembly	
86	7024800	1	Spring	
87	70002617	1	Plug Assembly (Includes Qty 1 of Items 76-78)	
88	70002616	1	SCR Valve Assembly	
89	7024800	1	Spring	
90	7021265	1	Plug Assembly (Includes Qty 1 of Items 76-78)	
91	70002623	1	Overhaul Seal Kit (Includes Items 3, 5, 22, 27, 30, 37, 38, 41, 46, 48, 50, 52, 54, 66, 67, 75, 76, 77 & 78)	

FIGURE 3-40. PUMP ASSEMBLY (SAUER PISTON)

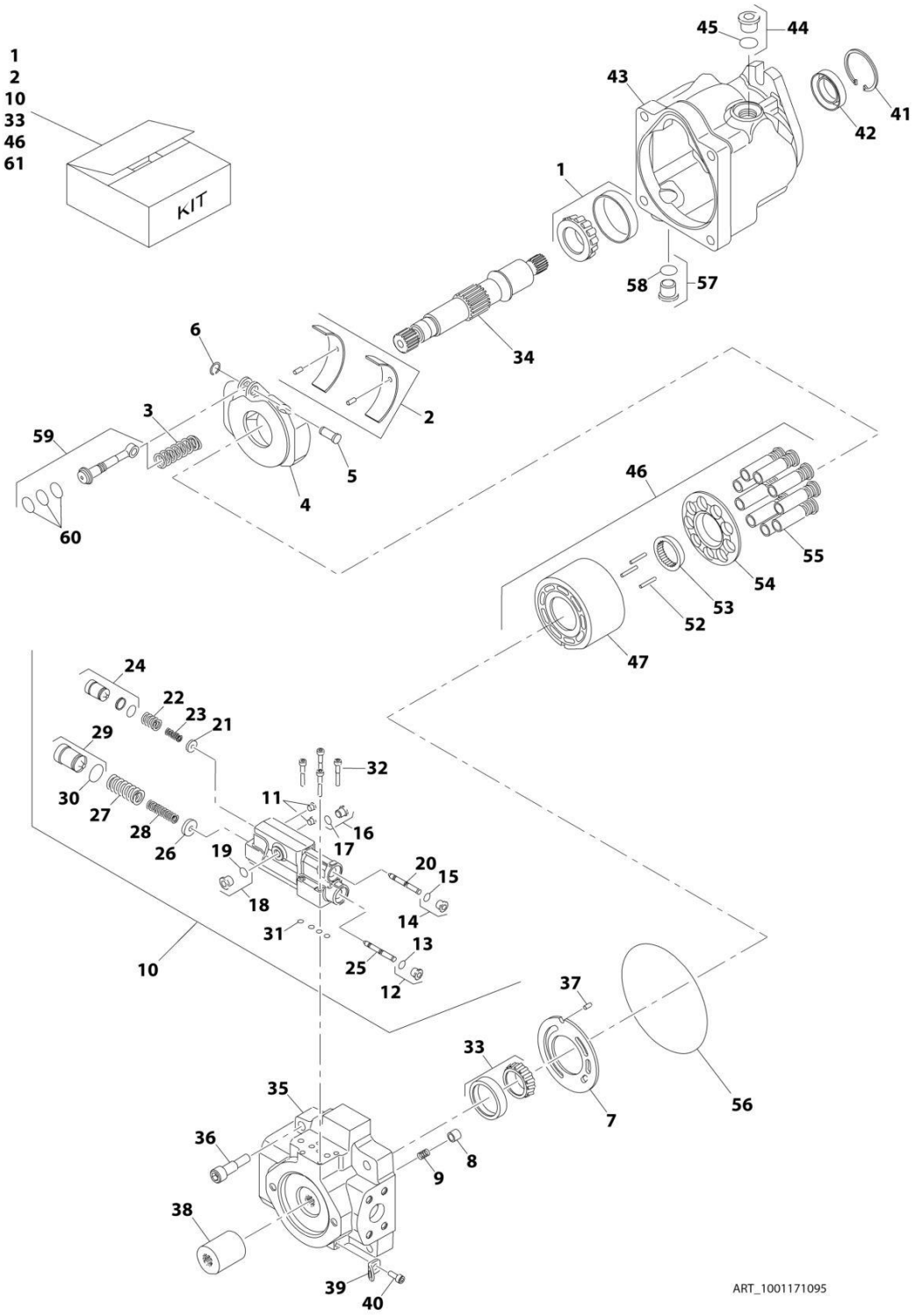
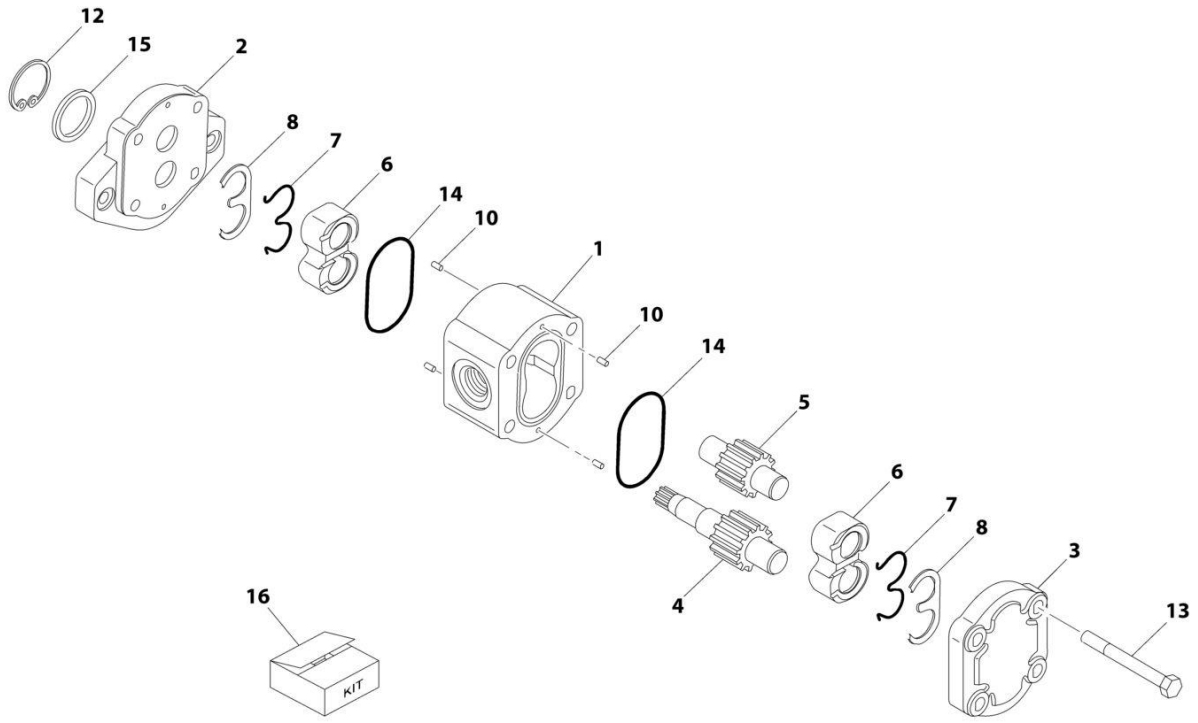


FIGURE 3-40. PUMP ASSEMBLY (SAUER PISTON)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171095	Ref	PUMP ASSEMBLY (SAUER PISTON)	B
1	70002578	1	Bearing Kit - Front (Includes Cup and Cone)	
2	70004426	1	Swashplate Bearing Kit (Includes Qty 2 Bearings and Retainer Pins)	
3	70002580	1	Spring, Bias	
4	70004416	1	Swashplate Assembly	
5	70002582	1	Shaft	
6	70002583	1	Ring, Retaining	
7	70004417	1	Plate, Valve	
8	70001956	1	Poppet, Check Valve	
9	70001955	1	Spring	
10	70022286	1	Control Kit (Includes Items 11-32)	
11	See Note	NSS	Setscrew (Note: Use Item 10)	
12	70002133	1	Plug Assembly (Includes Item 13)	
13	7007207	1	O-Ring (Part of Item 12)	
14	70002133	1	Plug Assembly (Includes Item 15)	
15	7007207	1	O-Ring (Part of Item 14)	
16	70002133	1	Plug Assembly (Includes Item 17)	
17	7007207	1	O-Ring (Part of Item 16)	
18	70002133	1	Plug Assembly (Includes Item 19)	
19	7007207	1	O-Ring (Part of Item 18)	
20	See Note	NSS	Spool (Note: Use Item 10)	
21	See Note	NSS	Guide, Spring LS (Note: Use Item 10)	
22	See Note	NSS	Spring, Outer LS (Note: Use Item 10)	
23	See Note	NSS	Spring, Inner LS (Note: Use Item 10)	
24	See Note	NSS	Plug, Adjusting LS (Note: Use Item 10 or 61)	
25	See Note	NSS	Spool, Control (Note: Use Item 10)	
26	See Note	NSS	Guide, Spring PC (Note: Use Item 10)	
27	See Note	NSS	Spring, Outer PC (Note: Use Item 10)	
28	See Note	NSS	Spring, Inner PC (Note: Use Item 10)	
29	See Note	NSS	Plug, Adjusting PC (Note: Use Item 10)	
30	See Note	NSS	O-Ring (Note: Use Item 10 or 61)	
31	See Note	NSS	Ring, Seal (Note: Use Item 10 or 61)	
32	See Note	NSS	Capscrew (Note: Use Item 10)	
33	70002585	1	Bearing Kit - Rear (Includes Cup and Cone)	
34	70002586	1	Shaft	
35	70004420	1	Cap, End	
36	70002588	4	Capscrew	
37	7007446	1	Pin, Slotted	
38	70002589	1	Coupling	
39	7022340	1	Bracket, Lifting	
40	70002590	1	Capscrew	
41	7023962	1	Ring, Retaining	
42	See Note	NSS	Seal, Lip (Note: Use Item 61)	
43	See Note	NSS	Housing (Note: Not Available for Purchase)	
44	7023964	1	Plug Assembly (Includes Item 45)	
45	7007415	1	O-Ring (Part of Item 44)	
46	70004423	1	Cylinder Block Kit (Includes Items 47-55)	
47	70004421	1	Cylinder	
52	7021275	3	Pin, Hold-down	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	70002592	1	Guide, Slipper Retainer	
54	70002593	1	Retainer, Slipper	
55	70004422	1	Piston Assembly	
56	See Note	NSS	Seal, End Cap (Note: Use Item 61)	
57	7023964	1	Plug, O-Ring (Includes Item 58)	
58	7007415	1	O-Ring (Part of Item 57)	
59	70005418	1	Servo Piston Assembly (Includes Item 60)	
60	See Note	NSS	Ring, Piston (Part of Item 59) (Note: Use Item 61)	
61	70002599	1	Complete Seal Kit (Includes Items 13, 15, 17, 19, 24, 30, 31, 42, 45, 56, 58 & 60)	

FIGURE 3-41. PUMP ASSEMBLY (SAUER GEAR)



ART_1001112927

FIGURE 3-41. PUMP ASSEMBLY (SAUER GEAR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001112927	Ref	PUMP ASSEMBLY (SAUER GEAR)	A
1	See Note	NSS	Body (Note: Use p/n 1001112927)	
2	See Note	NSS	Cover, Front (Note: Use p/n 1001112927)	
3	See Note	NSS	Cover, Rear (Note: Use p/n 1001112927)	
4	See Note	NSS	Shaft, Gear (Note: Use p/n 1001112927)	
5	See Note	NSS	Gear, Idler (Note: Use p/n 1001112927)	
6	See Note	NSS	Block, Bearing (Note: Use p/n 1001112927)	
7	See Note	NSS	Ring, Anti-Extrusion (Note: Use Item 16)	
8	See Note	NSS	Ring, Seal (Note: Use Item 16)	
10	See Note	NSS	Pin, Dowel (Note: Not Available for Purchase)	
12	70002576	1	Ring, Retaining	
13	See Note	NSS	Capscrew (Note: Not Available for Purchase)	
14	See Note	NSS	O-Ring (Note: Use Item 16)	
15	See Note	NSS	Seal, Lip (Note: Use Item 16)	
16	7007489	1	Seal Kit - 1001112927 Pump (Includes Items 7, 8, 14 & 15)	

FIGURE 3-42. PUMP COUPLING KIT

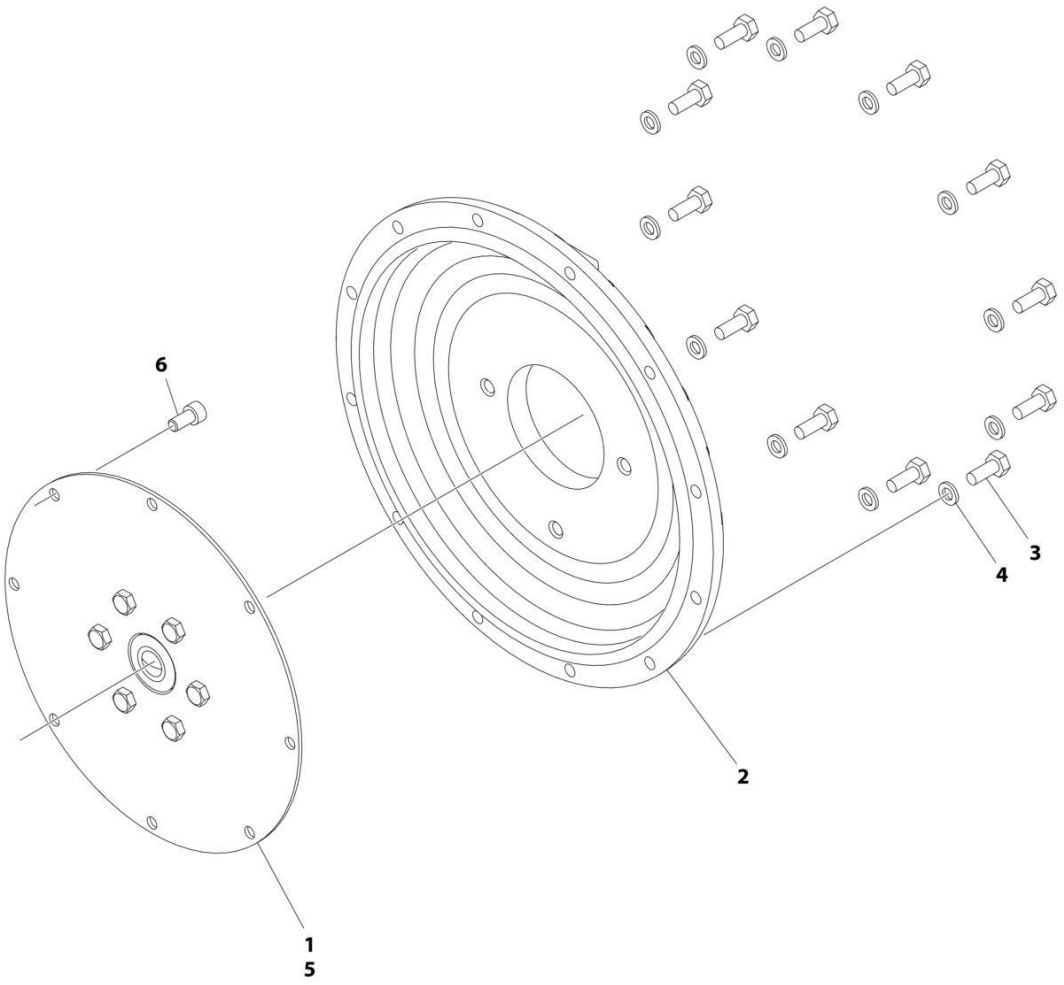


FIGURE 3-42. PUMP COUPLING KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902065	Ref	PUMP COUPLING KIT	K
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)	
5	3020021	AR	Grease, Coupling	
6	See Note	NSS	Capscrew M10 x 20 Grade 10.9 (Note: Use p/n 2902065)	

FIGURE 3-43. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2011 (OPTIONAL)

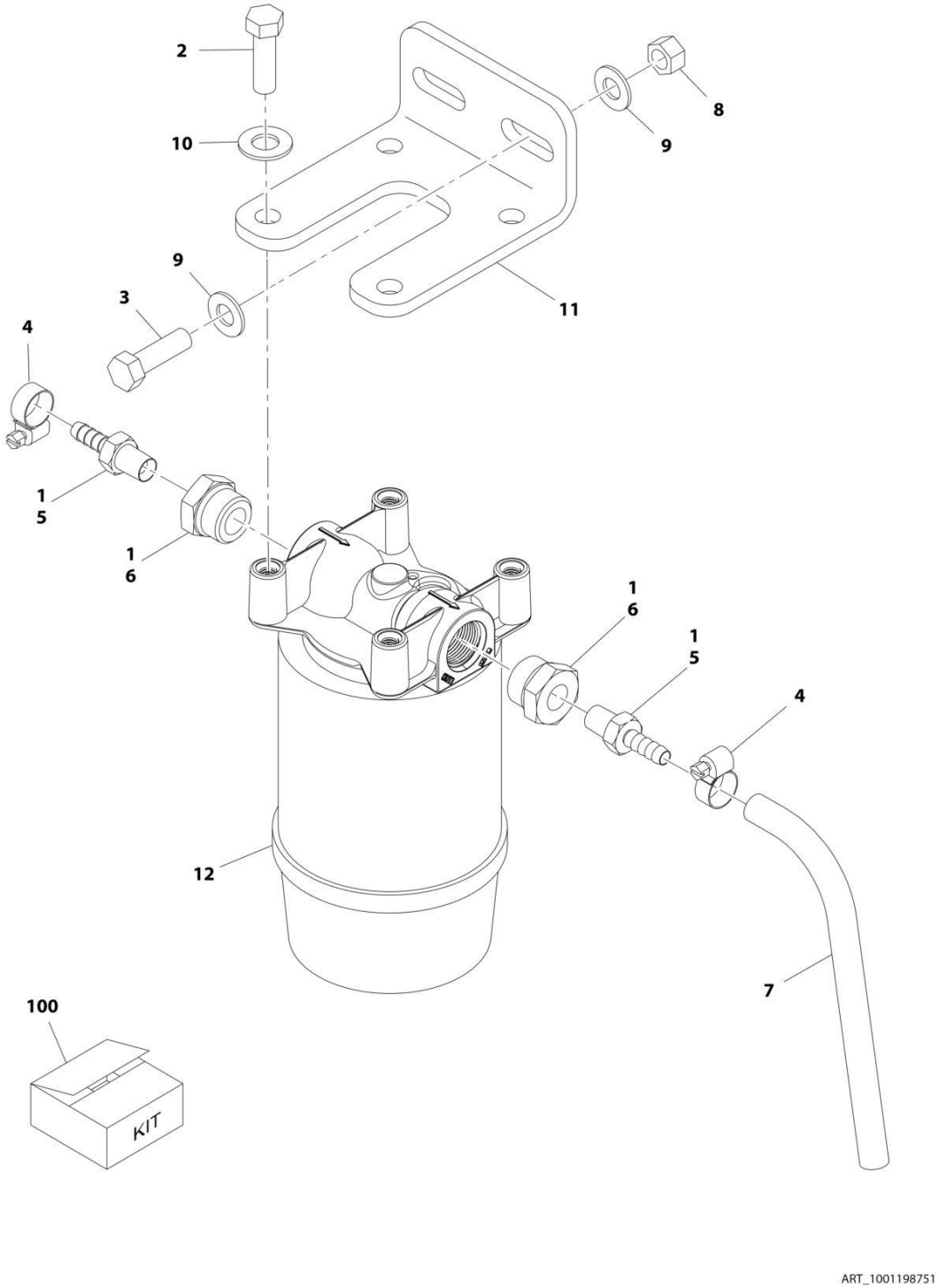


FIGURE 3-43. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2011 (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001198751	Ref	FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2011 (OPTIONAL)	A
1	0100079	AR	Sealant	
2	0641610	4	Bolt 3/8 x 1-1/4	
3	0641612	2	Bolt 3/8 x 1-1/2	
4	1320022	2	Clamp	
5	2180348	2	Fitting, Barbed Straight	
6	2220816	2	Fitting, Straight FNPTF/ORB	
7	2720058	4.5 ft /1.4m	Hose	
8	3271601	2	Nut 3/8	
9	4711600	4	Washer 3/8	
10	4711700	4	Washer 7/16	
11	1001188884	1	Bracket	
12	1001188887	1	Fuel/Water Separator Assembly	
12	1001202280	1	Head	
12	1001202281	1	Element	
100	1001203866	1	Water/Separator Add-on Kit	

FIGURE 3-44. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE AND DEUTZ TCD2.9L4 (STAGE V) ENGINE)

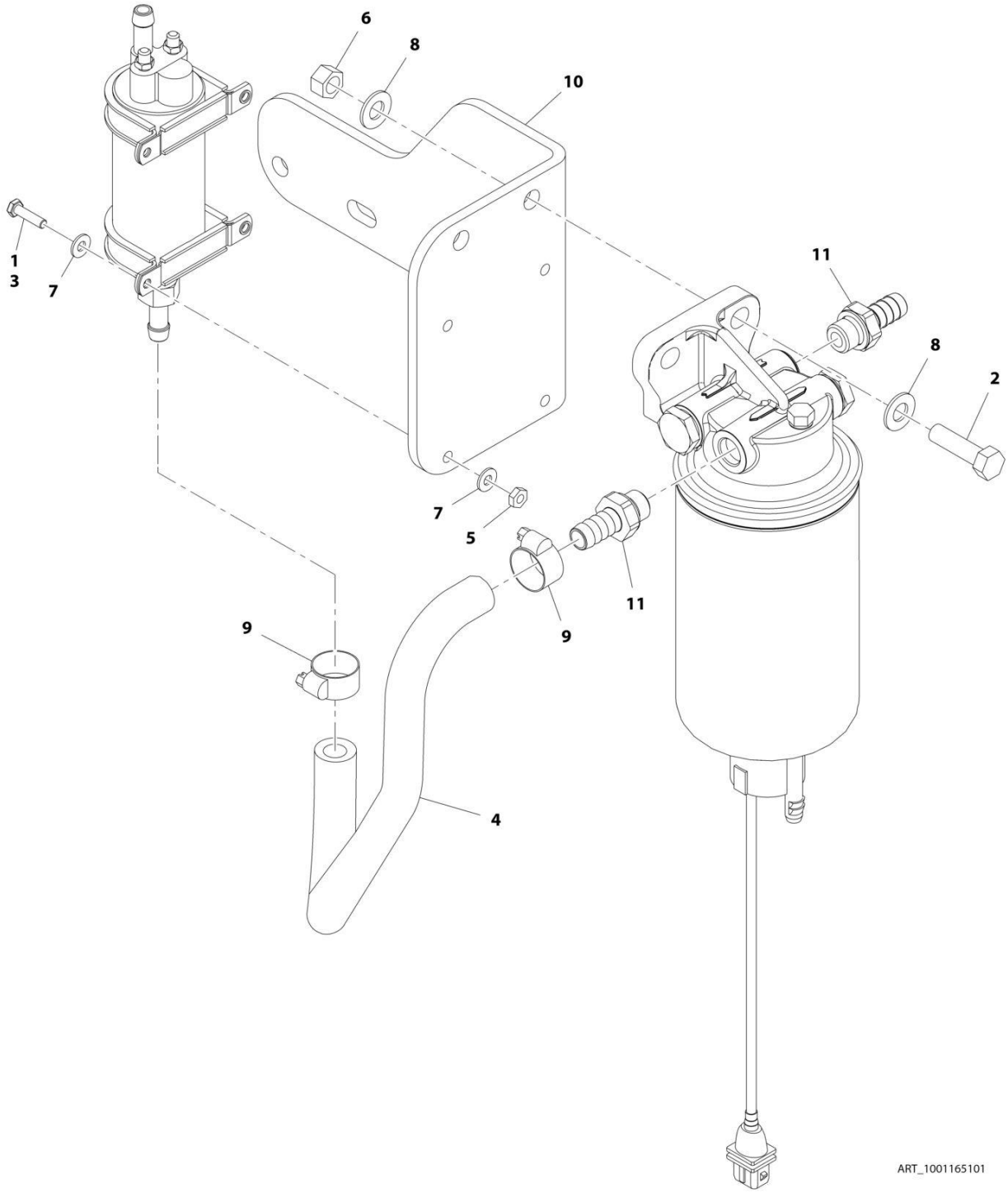


FIGURE 3-44. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE AND DEUTZ TCD2.9L4 (STAGE V) ENGINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165101	Ref	FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE AND DEUTZ TCD2.9L4 (STAGE V) ENGINE)	C
1	0100011	AR	Compound, Locking	
2	0641611	2	Bolt 3/8 x 1-3/8	
3	0721006	4	Bolt #10 x 3/4	
4	1001154405	1.5 ft /0.4m	Hose	
5	3311001	4	Nut #10	
6	3311605	2	Nut 3/8	
7	4711000	8	Washer #10	
8	4711600	4	Washer 3/8	
9	8405006	2	Clamp	
10	1001140222	1	Bracket, Fuel Pump Mounting	
11	1001141718	2	Fitting, Barbed	

FIGURE 3-45. FUEL PUMP/FILTER BRACKET ASSEMBLY - DEUTZ TCD2.9L4 ENGINE (SN 0300239675 through 0300272505)

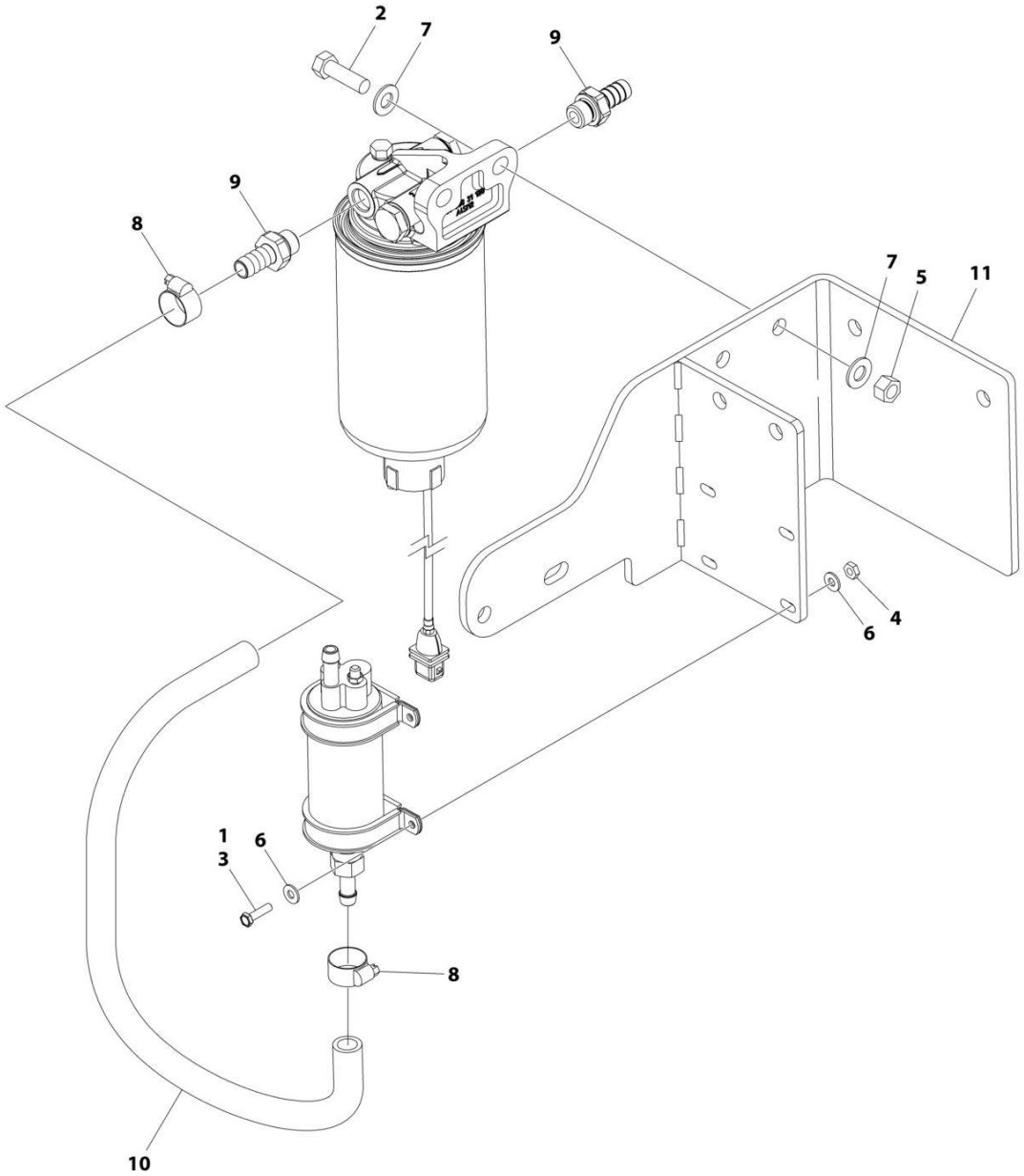


FIGURE 3-45. FUEL PUMP/FILTER BRACKET ASSEMBLY - DEUTZ TCD2.9L4 ENGINE (SN 0300239675 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227606	Ref	FUEL PUMP/FILTER BRACKET ASSEMBLY - DEUTZ TCD2.9L4 ENGINE	A
1	0100011	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	1001141718	2	Fitting, Barbed	
10	1001154405	1.5 ft/ 0.4m	Hose	
11	1001222773	1	Bracket, Fuel Pump Mounting	

FIGURE 3-46. FUEL FILTER/WATER SEPARATOR INSTALLATION - DEUTZ TCD2.9L4 ENGINE (CHINA SPECS ONLY)

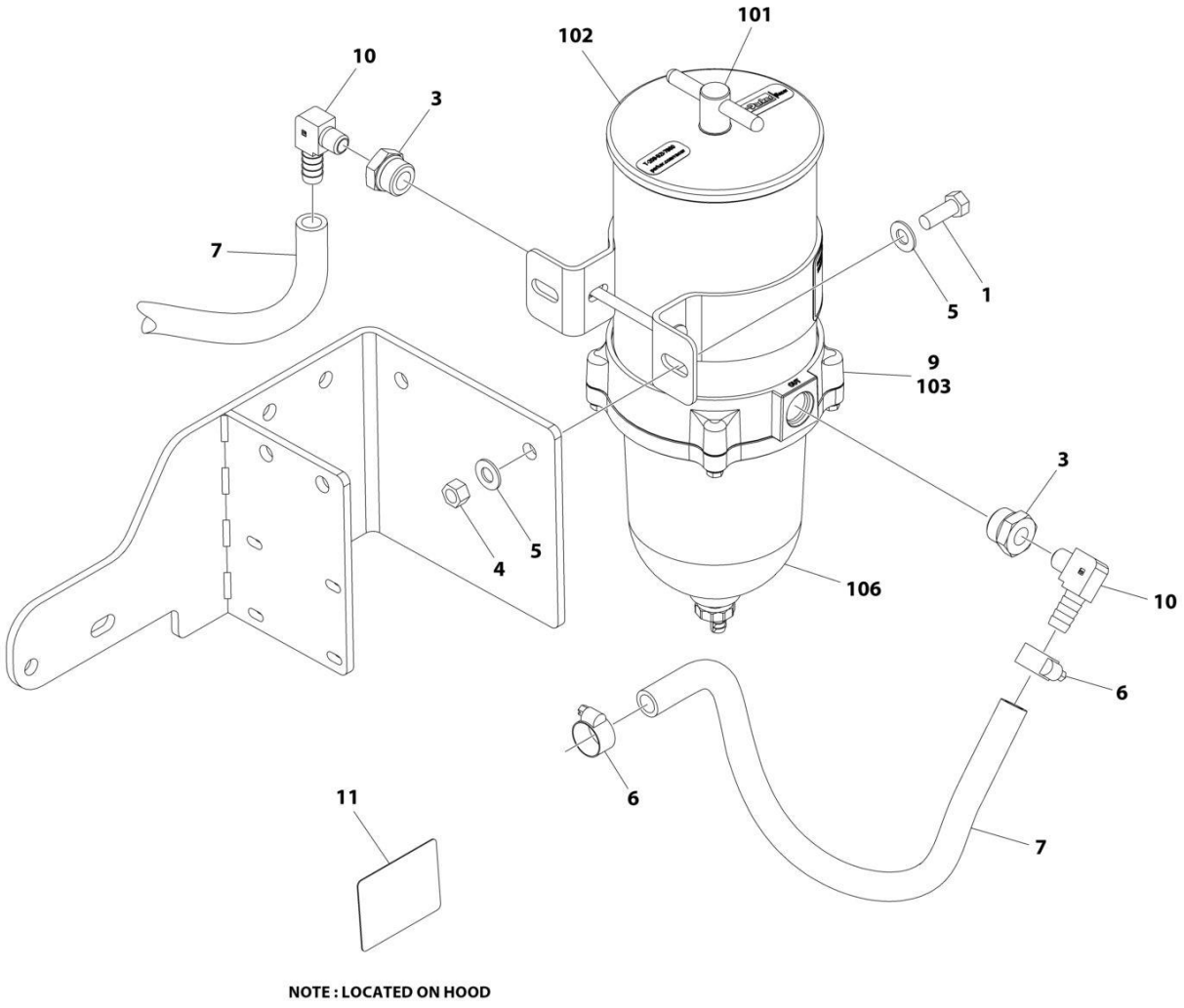


FIGURE 3-46. FUEL FILTER/WATER SEPARATOR INSTALLATION - DEUTZ TCD2.9L4 ENGINE (CHINA SPECS ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223068	Ref	FUEL FILTER/WATER SEPARATOR INSTALLATION - DEUTZ TCD2.9L4 ENGINE (CHINA SPECS ONLY)	C
1	0641608	2	Bolt 3/8 x 1	
3	2220816	2	Fitting, Adapter FNPTF/ORB	
4	3311605	2	Nut 3/8	
5	4711600	4	Washer 3/8	
6	8405006	4	Clamp	
7	1001154405	4 ft/ 1.22m	Hose	
9	1001222817	1	Fuel Filter Assembly (See Items 101-107 for Breakdown)	
10	1001178797	2	Fitting, 90 Elbow	
11	1001226923	1	Decal - Fuel Water Separator	
	1001222817	Ref	FUEL FILTER ASSEMBLY	
101	70006403	1	T-Handle Kit (Includes O-Ring)	
102	70006404	1	Lid Kit (Includes Gasket)	
103	70006405	1	Element	
104	70006406	1	Checkball & Gasket Kit (Not Shown)	
105	70006407	1	Centrifuge and Baffle Kit (Not Shown)	
106	70006409	1	Bowl Kit (Includes Gasket, O-Ring and Drain)	
106	70006408	1	Gasket, Bowl	
107	70006410	1	Bowl Ring Kit (Includes Gasket & Hardware) (Not Shown)	

FIGURE 3-47. BREATHER HEATER INSTALLATION - DEUTZ TCD2.9L4 ENGINE AND DEUTZ TCD2.9L4 (STAGE V) ENGINE WITH ARCTIC PACKAGE

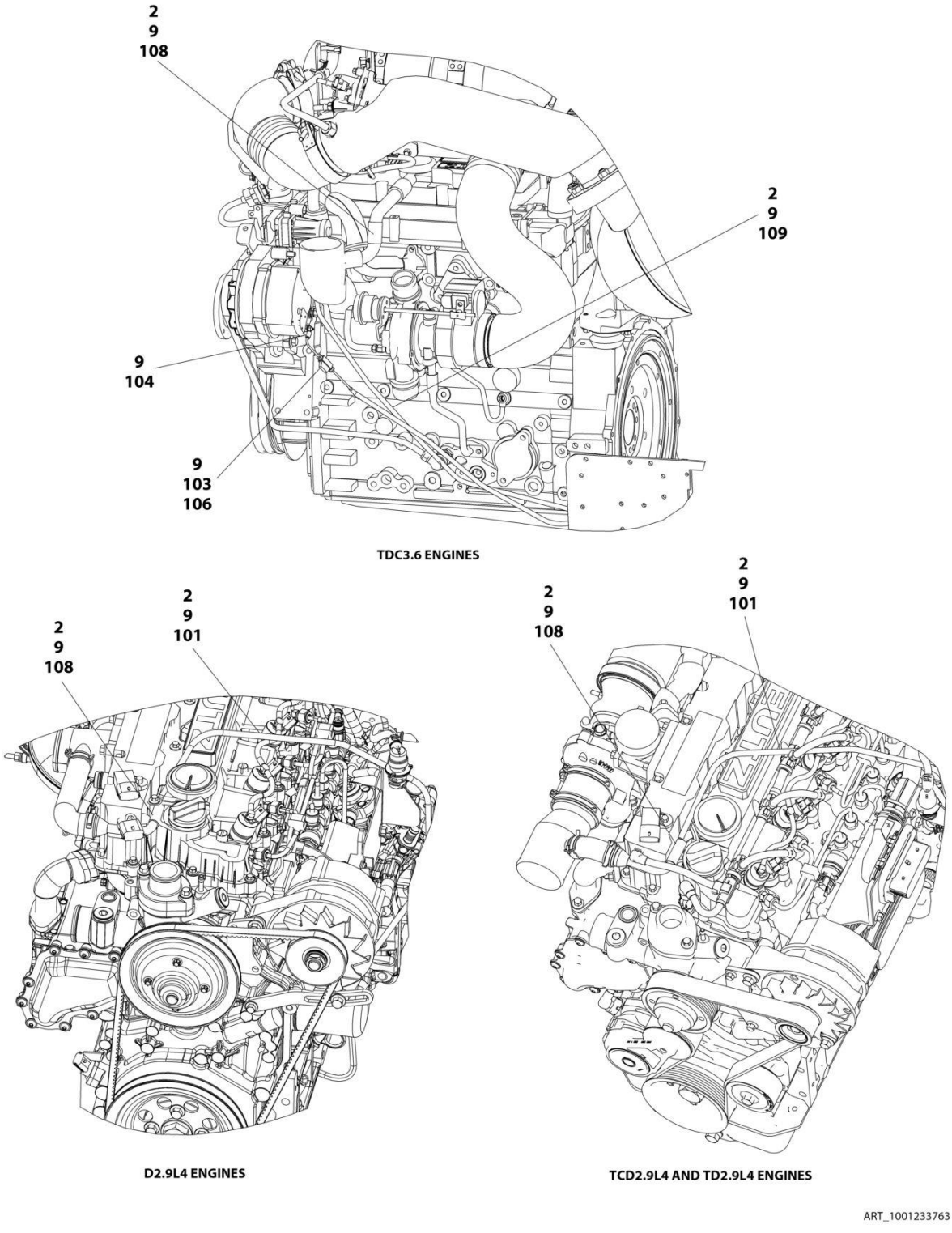


FIGURE 3-47. BREATHER HEATER INSTALLATION - DEUTZ TCD2.9L4 ENGINE AND DEUTZ TCD2.9L4 (STAGE V) ENGINE WITH ARCTIC PACKAGE

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

FIGURE 3-48. SPARK ARRESTOR INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES (OPTIONAL)

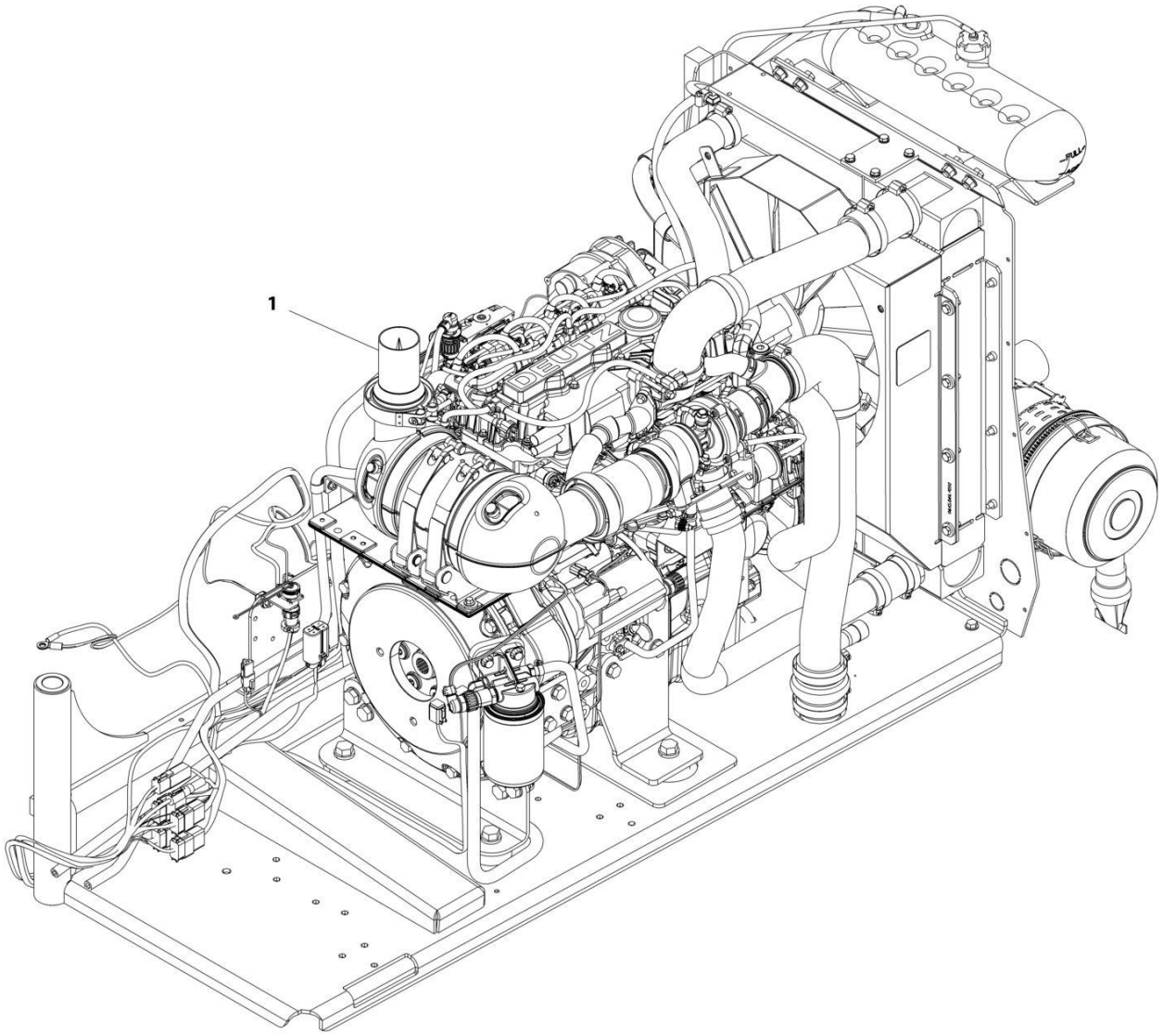


FIGURE 3-48. SPARK ARRESTOR INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139930	Ref	SPARK ARRESTOR INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES (OPTIONAL)	C
1	1001154157	1	Arrestor, Spark	

FIGURE 3-49. 4000W GENERATOR INSTALLATION - 60HZ SPECS (DEUTZ TD2011 ENGINES)

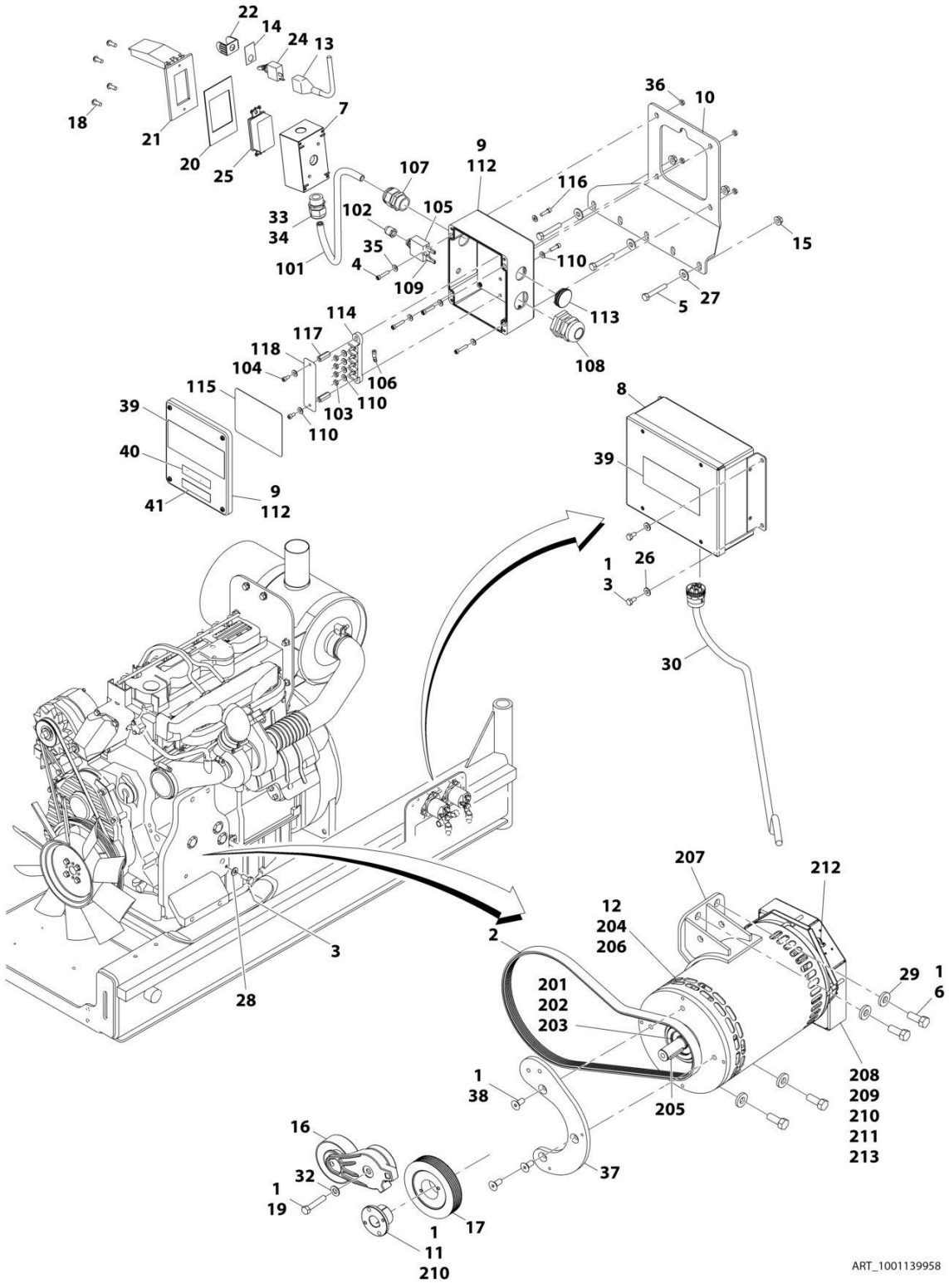


FIGURE 3-49. 4000W GENERATOR INSTALLATION - 60HZ SPECS (DEUTZ TD2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139958	Ref	4000W GENERATOR INSTALLATION - 60HZ SPECS (DEUTZ TD2011 ENGINES)	B
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Installation.	
1	0100011	AR	Compound, Locking	
2	0480128	1	Belt, Generator	
3	0641404	5	Bolt 1/4 x 1/2	
4	3931016	4	Screw 1/4 x 1	
5	0641516	3	Bolt 5/16 x 2	
6	0641810	4	Bolt 1/2 x 1-1/4	
7	0860038	1	Box, Switch-Weatherhead	
8	1001138566	1	Box, Generator Control	
8	70006552	1	Capacitor	
8	70006553	1	Relay	
9	1001152457	1	Box, Junction Assembly (See Items 101-118 for Breakdown)	
10	0902888	1	Bracket, Generator Junction Box	
11	0962520	1	Bushing, Taper	
12	1001129858	1	Generator, 4000W Assembly (See Items 200-213 for Breakdown)	
13	2820031	AR	Insulator, Heat Shrink	
14	3251102	1	Nameplate, Generator	
15	3311508	3	Nut 5/16	
16	3580317	1	Pulley, Belt Tensioner	
17	3580318	1	Pulley, Generator	
18	3910606	4	Screw M6 x 3/8	
19	0641616	1	Bolt 3/8 x 2	
20	3960422	1	Gasket, AC Receptacle	
21	1001110873	1	Cover, Gang Vertical Receptacle GFCI	
22	4060802	1	Guard, Switch	
23	4240018	AR	Strap, Tie (Not Shown)	
24	4360336	1	Switch, Toggle	
25	4460346	1	Terminal, Receptacle	
26	4711400	4	Washer 1/4	
27	4751500	3	Washer 5/16	
28	4791400	2	Washer, Star 1/4	
29	4891800	4	Washer 1/2	
30	1001152533	1	Harness, Generator Cable (See ELECTRICAL SECTION for Breakdown)	
31	1001153257	1	Diagram, Generator Wiring (Not Shown)	
32	4711600	1	Washer 3/8	
33	0100020	AR	Sealant, Pipe (Not Shown)	
34	4460071	1	Connector, Strain Relief	
35	4751000	4	Washer #10	
36	3311005	4	Nut #10 Grade 2	
37	1001139357	1	Mount, Generator Tensioner	
38	0741607	3	Screw 3/8 x .88	
39	1705387	3	Decal - Hazardous Voltage	
40	3251243	1	Decal - 120V-60Hz	
41	1705374	1	Decal - 240V-60Hz	
	1001152457	Ref	JUNCTION BOX ASSEMBLY	B
101	1001179154	2.5 ft /0.8m	Cable, 12/3	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	3300396	1	Cover, Fuse	
103	3311001	4	Nut #10 Grade 2	
104	3900300	2	Capscrew	
105	4360070	1	Circuit Breaker, 15Amp	
106	4460068	3	Terminal, Ring	
107	4460425	1	Terminal, Strain Relief	
108	4460426	1	Connector, Strain Relief	
109	4460483	2	Terminal	
110	4711000	8	Washer #10	
112	1001152456	1	Box, Junction	
113	1001152525	1	Plug	
114	1001152530	1	Terminal, Block, 4 pole	
115	1001153260	1	Decal - Wiring 4000W Generator	
116	3900267	2	Capscrew	
117	1001158008	2	Stand-off	
118	1001158363	1	Plate, Cover, PVC	
	1001129858	Ref	4000W GENERATOR ASSEMBLY	
201	70003709	1	Ring, Retaining	
202	70003708	1	Ring, Retaining	
203	70001966	1	Bearing, Ball	
204	70004092	1	Endbell	
205	70004171	1	Key	
206	70004676	1	Rotor Assembly	
207	70004684	1	Stator, Generator 4000W	
208	70004678	1	Endbell	
209	70004679	1	Cover, Endbell	
210	70004680	1	Enclosure	
211	70004685	1	Cover, Enclosure	
212	70004682	1	Switch, Reset	
213	70004098	1	Bushing, Strain Relief	

FIGURE 3-50. 4000W GENERATOR INSTALLATION - 50HZ SPECS (DEUTZ TD2011 ENGINES)

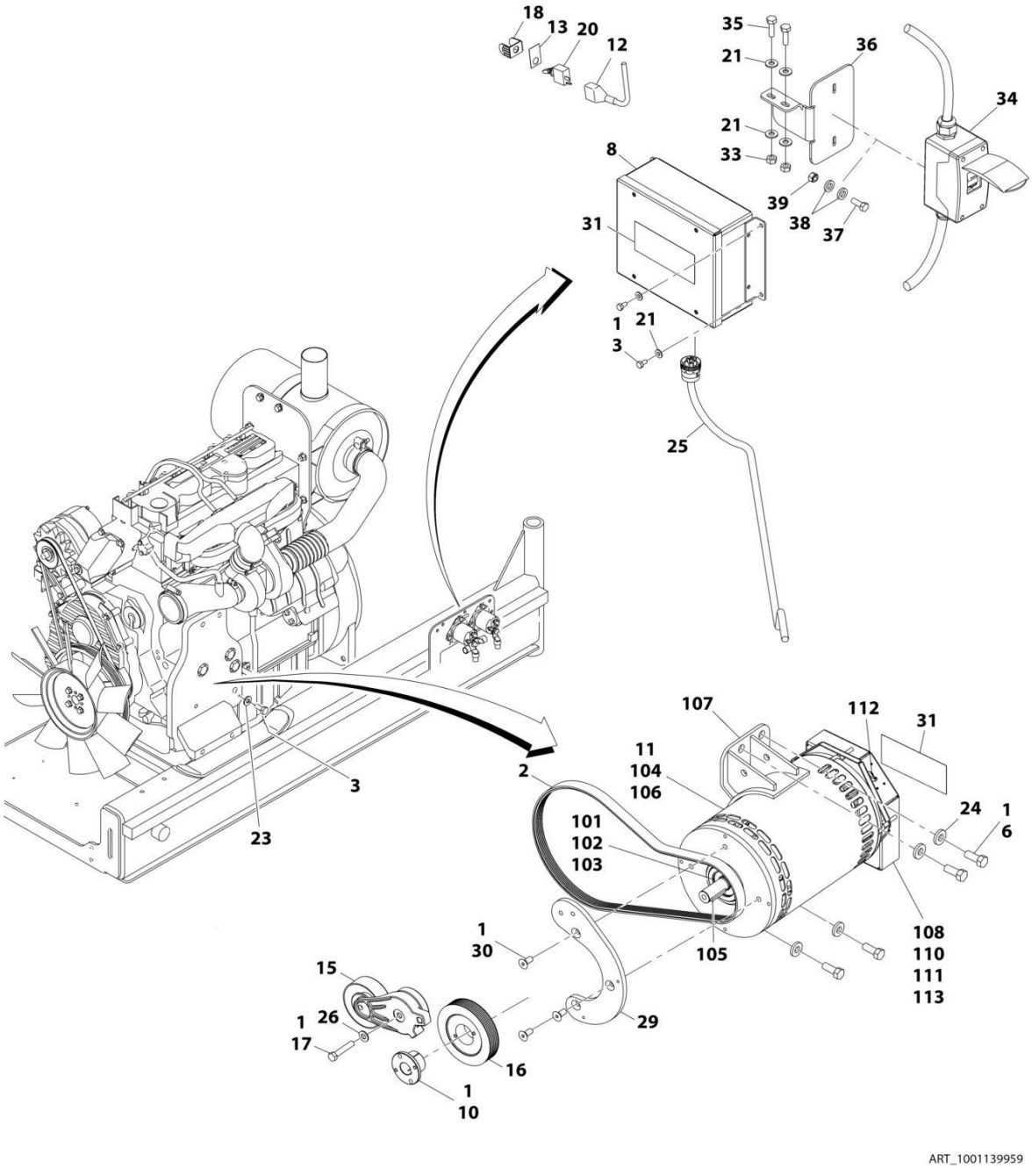


FIGURE 3-50. 4000W GENERATOR INSTALLATION - 50HZ SPECS (DEUTZ TD2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139959	Ref	4000W GENERATOR INSTALLATION - 50HZ SPECS (DEUTZ TD2011 ENGINES)	D
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Installation.	
1	0100011	AR	Compound, Locking	
2	1001136356	1	Belt, Generator	
3	0641404	5	Bolt 1/4 x 1/2	
6	0641810	4	Bolt 1/2 x 1-1/4	
8	1001138566	1	Box, Generator Control	
8	70006552	1	Capacitor	
8	70006553	1	Relay	
10	0962520	1	Bushing, Taper	
11	1001138565	1	Generator, 4000W Assembly (See Items 100-113 for Breakdown)	
12	2820031	AR	Insulator, Heat Shrink	
13	3251102	1	Nameplate, Generator	
15	3580317	1	Pulley, Belt Tensioner	
16	3580319	1	Pulley, Generator	
17	0641616	1	Bolt 3/8 x 2	
18	4060802	1	Guard, Switch	
19	4240018	AR	Strap, Tie (Not Shown)	
20	4360336	1	Switch, Toggle	
21	4711400	8	Washer 1/4	
23	4791400	2	Washer, Star 1/4	
24	4891800	4	Washer 1/2	
25	1001152533	1	Harness, Generator Cable (See ELECTRICAL SECTION for Breakdown)	
26	4711600	1	Washer 3/8	
29	1001139357	1	Mount, Generator Tensioner	
30	0741607	3	Screw 3/8 x .88	
31	1705489	2	Decal - Hazardous Voltage	
33	3311405	2	Nut 1/4	
34	1001165368	1	Kit, Box and Breaker (See ELECTRICAL SECTION for Breakdown)	
35	0641407	2	Bolt 1/4 x 7/8	
36	1001094915	1	Bracket, AC Breaker Box	
37	4010408	2	Screw M4 x 16	
38	1001091102	4	Washer M4	
39	3290405	2	Nut M4	
	1001138565	Ref	4000W GENERATOR ASSEMBLY	
101	70003709	1	Ring, Retaining	
102	70003708	1	Ring, Retaining	
103	70001966	1	Bearing, Ball	
104	70004092	1	Endbell	
105	70004171	1	Key	
106	70004676	1	Rotor Assembly	
107	70004677	1	Stator, Generator 4000W	
108	70004678	1	Endbell	
110	70004680	1	Enclosure	
111	70004681	1	Cover, Enclosure	
112	70004682	1	Switch, Reset	
113	70004683	1	Bushing, Strain Relief	

FIGURE 3-51. 4000W GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES)

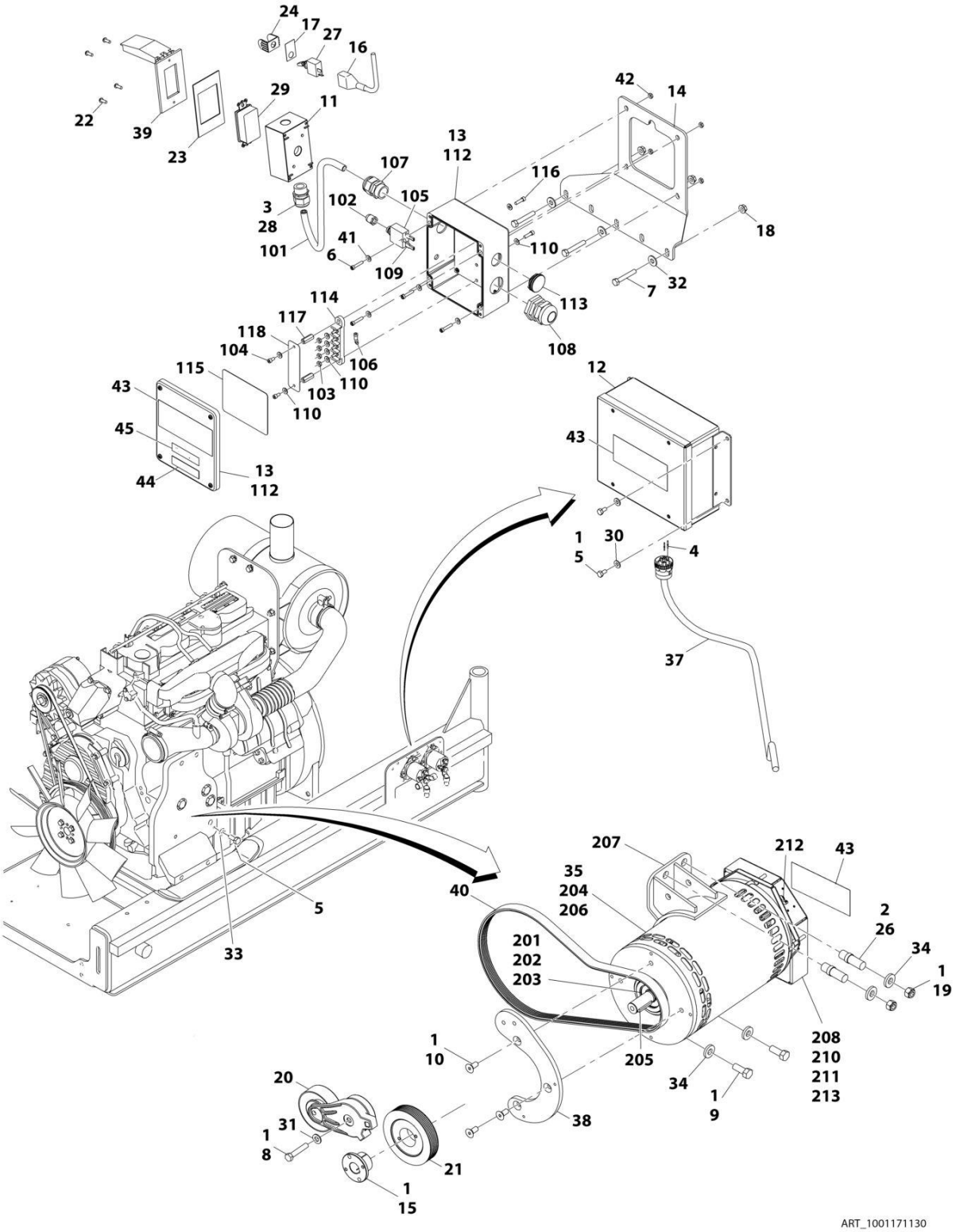


FIGURE 3-51. 4000W GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171130	Ref	4000W GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES)	B
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Installation.	
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100020	AR	Sealant, Pipe	
4	0100048	AR	Grease, Dielectric	
5	0641404	5	Bolt 1/4 x 1/2	
6	3931016	4	Screw 1/4 x 1	
7	0641516	3	Bolt 5/16 x 2	
8	0641618	1	Bolt 3/8 x 2-1/4	
9	0641810	2	Bolt 1/2 x 1-1/4	
10	0741607	3	Screw 3/8 x 0.88	
11	0860038	1	Box, Switch-Weatherhead	
12	1001138566	1	Box, Generator Control	
12	70006552	1	Capacitor	
12	70006553	1	Relay	
13	1001152457	1	Box, Junction Assembly (See Items 101-118 for Breakdown)	
14	0902888	1	Bracket, Generator Junction Box	
15	0962520	1	Bushing, Taper	
16	2820031	AR	Insulator, Heat Shrink	
17	3251102	1	Nameplate, Generator	
18	3311508	3	Nut 5/16	
19	3311801	2	Nut 1/2	
20	3580317	1	Pulley, Belt Tensioner	
21	3580318	1	Pulley, Generator	
22	3910606	4	Screw M6 x 3/8	
23	3960422	1	Gasket, AC Receptacle	
24	4060802	1	Guard, Switch	
25	4240018	AR	Strap, Tie (Not Shown)	
26	4300157	2	Stud	
27	4360336	1	Switch, Toggle	
28	4460071	1	Connector, Strain Relief	
29	4460346	1	Terminal, Receptacle	
30	4711400	4	Washer 1/4	
31	4711600	1	Washer 3/8	
32	4751500	3	Washer 5/16	
33	4791400	2	Washer, Star 1/4	
34	4891800	4	Washer 1/2	
35	1001140346	1	Generator, 4000W Assembly (See Items 200-213 for Breakdown)	
36	1001153257	1	Diagram, Generator Wiring (Not Shown)	
37	1001152533	1	Harness, Generator Cable (See ELECTRICAL SECTION for Breakdown)	
38	1001138011	1	Mount, Generator Tensioner	
39	1001110873	1	Cover, Gang Vertical Receptacle GFCI	
40	1001142645	1	Belt, Generator	
41	4751000	4	Washer #10	
42	3311005	4	Nut #10	
43	1705387	3	Decal - Hazardous Voltage	
44	1705374	1	Decal - 240V-60Hz	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	3251243	1	Decal - 120V-60Hz	
	1001152457	Ref	JUNCTION BOX ASSEMBLY	B
101	1001179154	2.5 ft /0.8m	Cable, Electrical 12/3	
102	3300396	1	Cover, Fuse	
103	3311001	4	Nut 10 Grade 2	
104	3900300	2	Capscrew	
105	4360070	1	Circuit Breaker, 15Amp	
106	4460068	3	Terminal, Ring	
107	4460425	1	Terminal, Strain Relief	
108	4460426	1	Connector, Strain Relief	
109	4460483	2	Terminal	
110	4711000	8	Washer #10	
112	1001152456	1	Box, Junction	
113	1001152525	1	Plug	
114	1001152530	1	Terminal, Block, 4 Pole	
115	1001153260	1	Decal - Wiring 4000W Generator	
116	3900267	2	Capscrew	
117	1001158008	2	Stand-off, Female, Threaded	
118	1001158363	1	Plate, Cover	
	1001140346	Ref	4000W GENERATOR ASSEMBLY	
201	70003709	1	Ring, Retaining	
202	70003708	1	Ring, Retaining	
203	70001966	1	Bearing, Ball	
204	70004092	1	Endbell	
205	70004099	1	Key	
206	70004676	1	Rotor Assembly	
207	70004687	1	Stator, Generator 4000W	
208	70004678	1	Endbell	
210	70004680	1	Enclosure	
211	70004685	1	Cover, Enclosure	
212	70004682	1	Switch, Reset	
213	70004098	1	Bushing, Strain Relief	

FIGURE 3-52. 4000W GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)

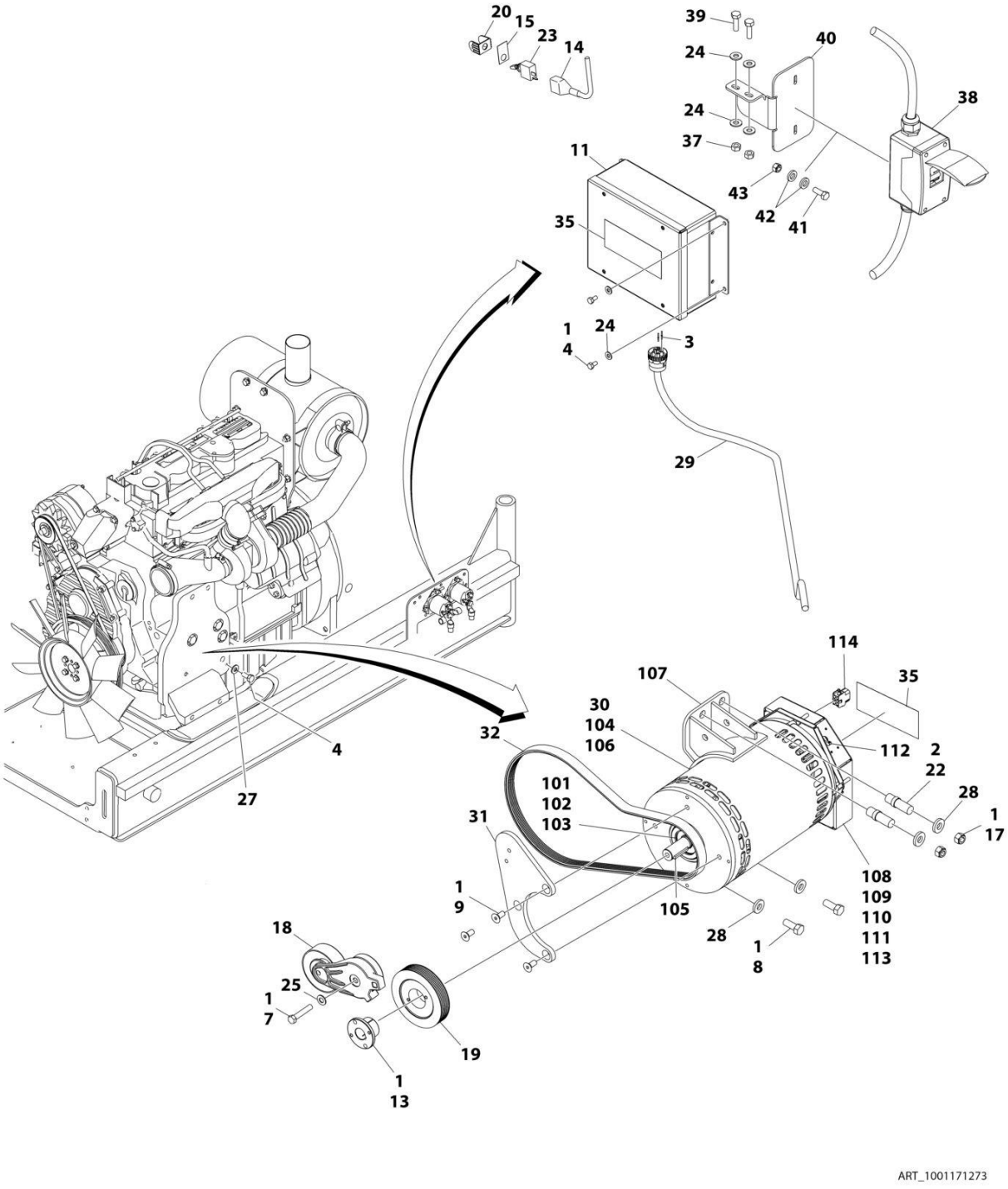


FIGURE 3-52. 4000W GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171273	Ref	4000W GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)	C
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Installation.	
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641404	5	Bolt 1/4 x 1/2	
7	0641618	1	Bolt 3/8 x 2-1/4	
8	0641810	2	Bolt 1/2 x 1-1/4	
9	0741607	3	Screw 3/8 x .88	
11	1001138566	1	Box, Generator Control	
11	70006552	1	Capacitor	
11	70006553	1	Relay	
13	0962520	1	Bushing, Taper	
14	2820031	AR	Insulator, Heat Shrink	
15	3251102	1	Nameplate, Generator	
17	3311801	2	Nut 1/2	
18	3580317	1	Pulley, Belt Tensioner	
19	3580319	1	Pulley, Generator	
20	4060802	1	Guard, Switch	
21	4240018	AR	Strap, Tie (Not Shown)	
22	4300157	2	Stud	
23	4360336	1	Switch, Toggle	
24	4711400	8	Washer 1/4	
25	4711600	1	Washer 3/8	
27	4791400	2	Washer, Star 1/4	
28	4891800	4	Washer 1/2	
29	1001152533	1	Harness, Generator Cable (See ELECTRICAL SECTION for Breakdown)	
30	1001140347	1	Generator, 4000W Assembly (See Items 101-113 for Breakdown)	
31	1001138011	1	Mount, Generator Tensioner	
32	1001136357	1	Belt, Generator	
35	1705489	2	Decal - Hazardous Voltage	
37	3311405	2	Nut 1/4	
38	1001165368	1	Kit, Box and Breaker (See ELECTRICAL SECTION for Breakdown)	
39	0641407	2	Bolt 1/4 x 7/8	
40	1001094915	1	Bracket, AC Breaker Box	
41	4010408	2	Screw M4 x 16	
42	1001091102	4	Washer M4	
43	3290405	2	Nut M4	
	1001140347	Ref	4000W GENERATOR ASSEMBLY	
101	70003709	1	Ring, Retaining	
102	70003708	1	Ring, Retaining	
103	70001966	1	Bearing, Ball	
104	70004092	1	Endbell	
105	70004099	1	Key	
106	70004676	1	Rotor Assembly	
107	70004686	1	Stator, Generator 4000W	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
108	70004678	1	Endbell	
109	70004679	1	Cover, Endbell	
110	70004680	1	Enclosure	
111	70004681	1	Cover, Enclosure	
112	70004682	1	Switch, Reset	
113	70004683	1	Bushing, Strain Relief	
114	4460224	1	Connector - 6 Position	
114	4460294	6	Pin, Male	
114	4460807	1	Seal, Plug	
114	4460808	1	Seal, Plug	

FIGURE 3-53. 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL)

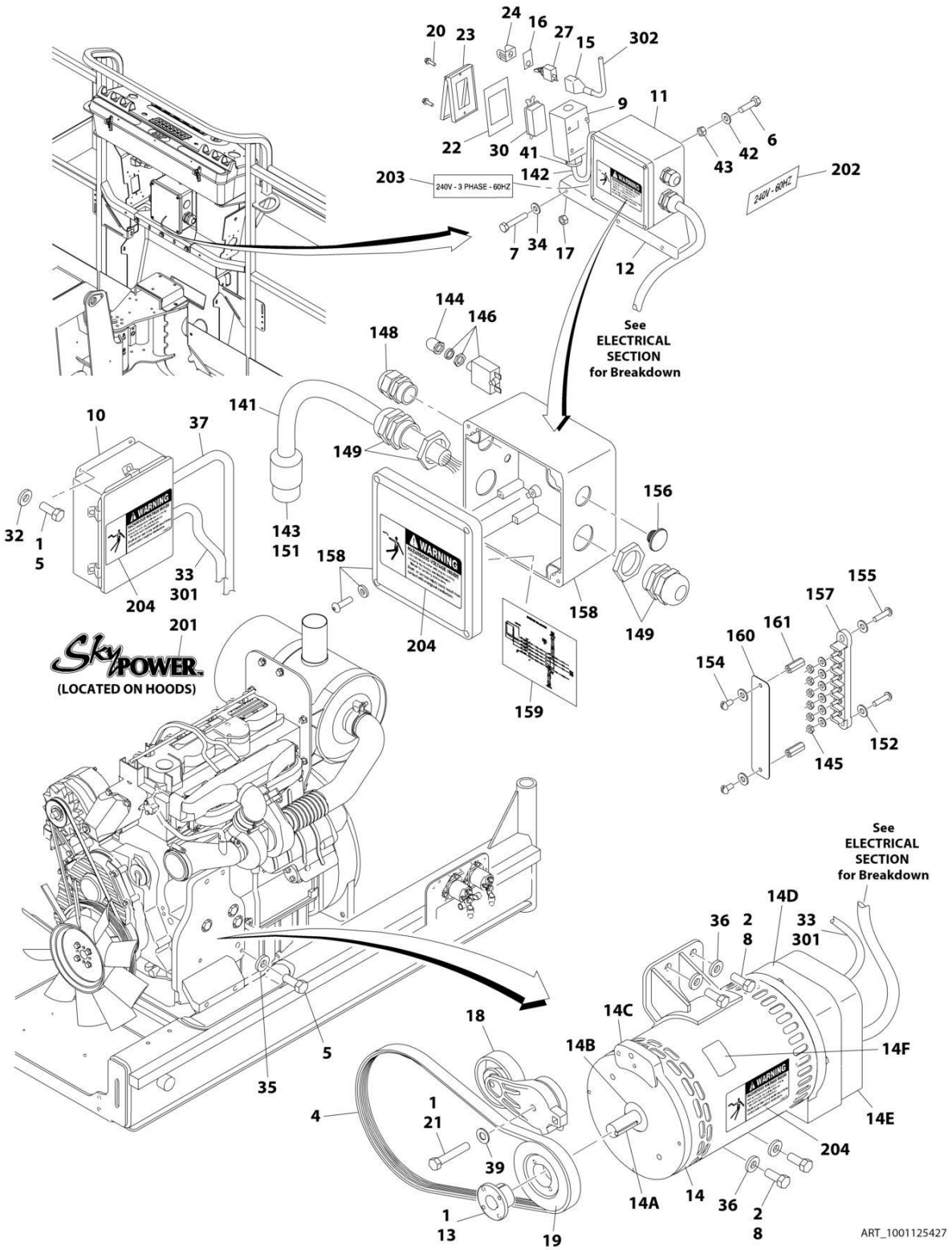


FIGURE 3-53. 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125427	Ref	7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL)	D
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Installation.	
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
4	0480128	1	Belt, Generator	
5	0641404	6	Bolt 1/4 x 1/2	
6	3931016	4	Bolt 10 x 1	
7	0641516	3	Bolt 5/16 x 2	
8	0641810	4	Bolt 1/2 x 1-1/4	
9	0860038	1	Box, Switch	
10	0861538	1	Box, Generator Control	
10	7024488	1	Card, Circuit - Generator Power (Not Shown)	
10	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
10	7024489	1	Card, Circuit - Control (Not Shown)	
		Ref	Note: When replacing card, rocker switch on card must be set for required application.	
10	70000619	1	Harness, Circuit Card	
11	1001157592	1	Junction Box Assembly Options (See Items 141-161 for Breakdown)	
12	0902888	1	Bracket, Generator Junction Box	
13	0962520	1	Bushing, Taper	
14	2460048	1	Generator, 7500W	
14	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
14	70001384	1	Bearing, Shaft (Rear) (Not Shown)	
14	70000863	1	Fan, Generator (Not Shown)	
14	70002088	1	Stator (Not Shown)	
14	70002297	2	Stud 1/4-20 x 12-7/8 (Not Shown)	
14	70003631	1	Brushholder Assembly (Not Shown)	
14A	70004171	1	Key	
14B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
14B	70003709	1	Ring, Retaining (Small)	
14B	70003708	1	Ring, Retaining (Large)	
14C	70001953	1	Endbell, Belt Tensioner	
14D	70004169	1	Kit, Endbell (Includes Endbell, Brush Block and Shroud Assembly)	
14E	7027799	1	Block, Connector - 6 Position (Not Shown)	
14E	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
14E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
14E	70001696	1	Boot, Breaker (Not Shown)	
14E	7026597	1	Connector with Leads (Not Shown)	
14E	7026626	1	Connector with Pins (Not Shown)	
14E	7026188	1	Clamp, Cable (Not Shown)	
14E	70002255	1	Plate, End Panel (Not Shown)	
14E	See Note	NSS	Insulator, End Panel (Note: Not Available for Purchase)	
14E	70001974	1	Decal - Terminal Connections (Not Shown)	
14F	70001973	1	Decal - Warning Moving Parts	
15	2820031	AR	Insulator, Heat Shrink	
16	3251102	1	Nameplate, Generator	
17	3311508	3	Nut 5/16	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	3580317	1	Pulley, Belt Tensioner	
19	3580318	1	Pulley, Generator	
20	3910606	4	Screw #6 x 3/8	
21	0641618	1	Bolt 3/8 x 2	
22	3960422	1	Gasket, AC Receptacle	
23	1001110873	1	Shield, Receptacle Cover	
24	4060802	1	Guard, Switch	
26	4240018	AR	Strap, Tie (Not Shown)	
27	4360336	1	Switch, Toggle	
30	4460346	1	Terminal, Receptacle	
32	4711400	4	Washer 1/4	
33	0100048	AR	Grease, Dielectric	
34	4751500	3	Washer 5/16	
35	4791400	2	Washer, Star 1/4	
36	4891800	4	Washer 1/2	
37	4922972	1	Harness, Generator Cable (See ELECTRICAL SECTION for Breakdown)	
39	4711600	1	Washer 3/8	
40	0100020	AR	Sealant, Pipe (Not Shown)	
41	4460071	1	Connector, Strain Relief	
42	4751000	4	Washer #10	
43	3311005	4	Nut #10	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
141	1060343	1.5 ft /0.5m	Cable, Electrical 10/4	
142	1001179154	2.5 ft /0.8m	Cable, Electrical 12/3	
143	1671092	1	Cover	
144	3300396	1	Cover, Fuse	
145	3311001	6	Nut #10	
146	4360070	1	Circuit Breaker - 15Amp	
148	4460425	1	Strain Relief, Terminal	
149	4460426	2	Connector, Strain Relief	
151	4460963	1	Connector	
152	4711000	10	Washer #10	
154	10702077	2	Screw #10 x 3/8	
155	10702082	2	Screw #10 x 3/4	
156	1001152525	1	Plug	
157	1001157520	1	Block, Terminal	
158	1001157521	1	Box, Junction	
159	1001157528	1	Decal - Wiring Schematic	
160	1001158007	1	Decal - PVC	
161	1001158008	2	Stand-off	
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	1705374	1	Decal - 240V-60Hz **(SN 0300209000 through 0300202038)**	
202	3251243	1	Decal - 120V-60Hz **(SN 0300222674 through 0300272505)**	
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal - Hazardous Voltage	
	1001122528	Ref	ELECTRICAL DIAGRAM COMPONENTS	B
301	1001119968	1	Generator Harness	C
301A	4460967	1	Plug, Male - 3 Position (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301A	4460465	6	Socket, Female	
301B	1001117078	1	Fuseholder with Fuse (Not Shown)	
302	4922641	1	Switch, Harness	

FIGURE 3-54. 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL)

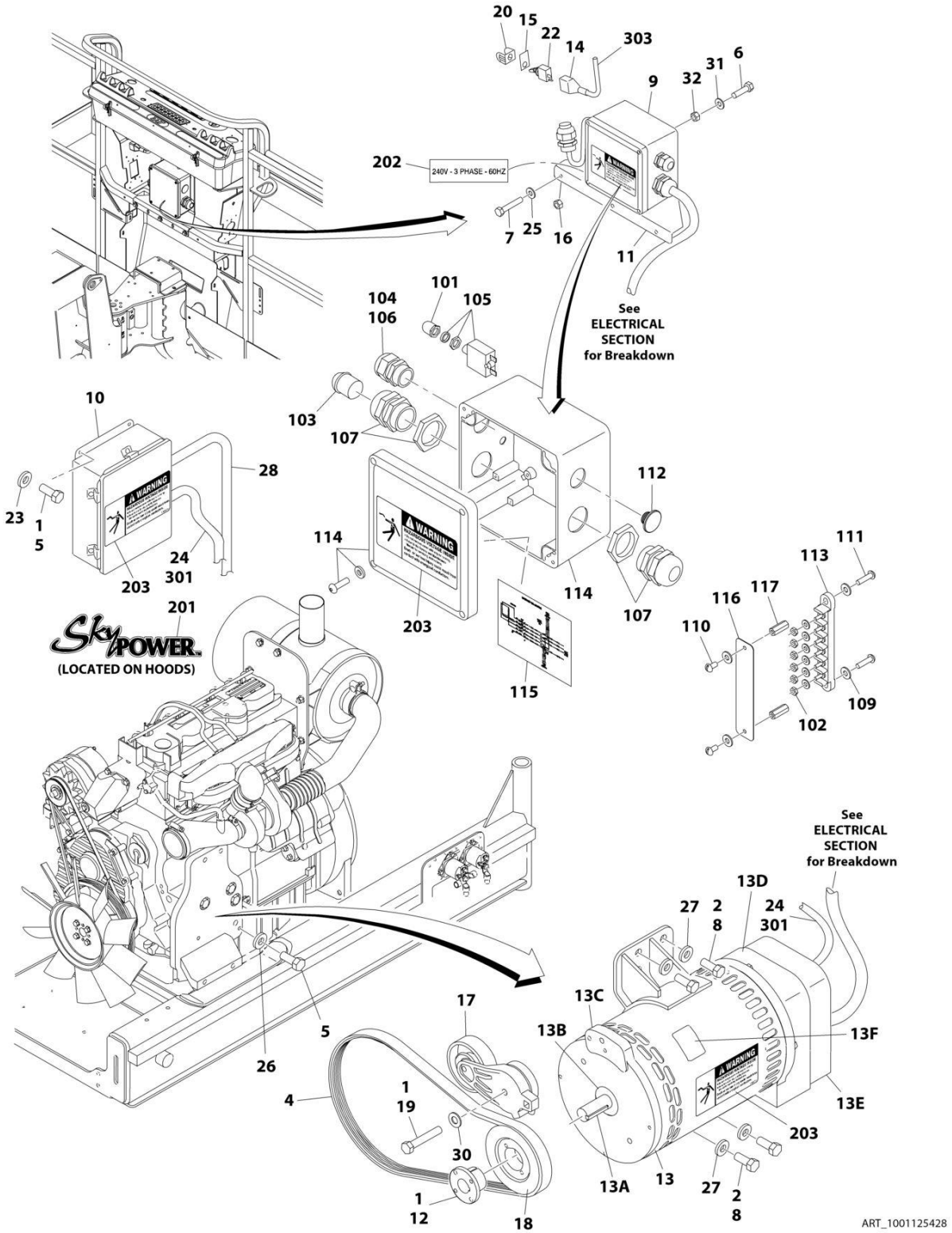


FIGURE 3-54. 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125428	Ref	7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL)	C
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Installation.	
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
4	0480129	1	Belt, Generator	
5	0641404	5	Bolt 1/4 x 1/2	
6	3931016	4	Bolt M10 x 1	
7	0641516	3	Bolt 5/16 x 2	
8	0641810	4	Bolt 1/2 x 1-1/4	
9	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
10	0861572	1	Box, Generator Control	
10	7024488	1	Card, Circuit - Generator Power (Not Shown)	
10	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
10	7024489	1	Card, Circuit - Control (Not Shown)	
		Ref	Note: When replacing card, rocker switch on card must be set for required application.	
10	70000619	1	Harness, Circuit Card	
11	0902888	1	Bracket, Generator Junction Box	
12	0962520	1	Bushing, Taper	
13	2460048	1	Generator, 7500W	
13	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
13	70001384	1	Bearing, Shaft (Rear) (Not Shown)	
13	70000863	1	Fan, Generator (Not Shown)	
13	70002088	1	Stator (Not Shown)	
13	70002297	2	Stud 1/4-20 x 12-7/8	
13	70003631	1	Brushholder Assembly (Not Shown)	
13A	70004171	1	Key	
13B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
13B	70003709	1	Ring, Retaining (Small)	
13B	70003708	1	Ring, Retaining (Large)	
13C	70001953	1	Endbell, Belt Tensioner	
13D	70004169	1	Kit, Endbell (Includes Endbell, Brush Block and Shroud Assembly)	
13E	7027799	1	Block, Connector - 6 Position (Not Shown)	
13E	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
13E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
13E	70001696	1	Boot, Breaker (Not Shown)	
13E	7026597	1	Connector with Lead (Not Shown)	
13E	7026626	1	Connector with Pins (Not Shown)	
13E	7026188	1	Clamp, Cable (Not Shown)	
13E	70002255	1	Plate, End Panel (Not Shown)	
13E	See Note	1	Insulator, End Panel (Not Shown) (Note: Not Available for Purchase)	
13E	70001974	1	Decal - Terminal Connections (Not Shown)	
13F	70001973	1	Decal - Warning Moving Parts	
14	2820031	AR	Insulator, Heat Shrink	
15	3251102	1	Nameplate, Generator	
16	3311508	3	Nut 5/16	
17	3580317	1	Pulley, Belt Tensioner	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	3580319	1	Pulley, Generator	
19	0641618	1	Bolt 3/8 x 2	
20	4060802	1	Guard, Switch	
21	4240018	AR	Strap, Tie (Not Shown)	
22	4360336	1	Switch, Toggle	
23	4711400	4	Washer 1/4	
24	0100048	AR	Grease, Dielectric	
25	4751500	3	Washer 5/16	
26	4791400	2	Washer, Star 1/4	
27	4891800	4	Washer 1/2	
28	4922972	1	Harness, Generator Cable (See ELECTRICAL SECTION for Breakdown)	
30	4711600	1	Washer 3/8	
31	4751000	4	Washer #10	
32	3311005	4	Nut #10	
	1001157525	Ref	JUNCTION BOX ASSEMBLY	B
101	3300396	1	Cover, Fuse	
102	3311001	6	Nut #10	
103	3520189	1	Plug	
104	3520192	1	Plug	
105	4360070	1	Circuit Breaker - 15Amp	
106	4460425	1	Strain Relief, Terminal	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug	
113	1001157520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase	
203	1705489	3	Decal - Hazardous Voltage	
	1001122528	Ref	ELECTRICAL DIAGRAM COMPONENTS	B
301	1001119968	1	Generator Harness	C
301A	4460967	1	Plug, Male - 3 Position (Not Shown)	
301A	4460465	6	Socket, Female	
301B	1001117078	1	Fuseholder with Fuse (Not Shown)	
303	4922641	1	Switch Harness	

FIGURE 3-55. 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES) (OPTIONAL)

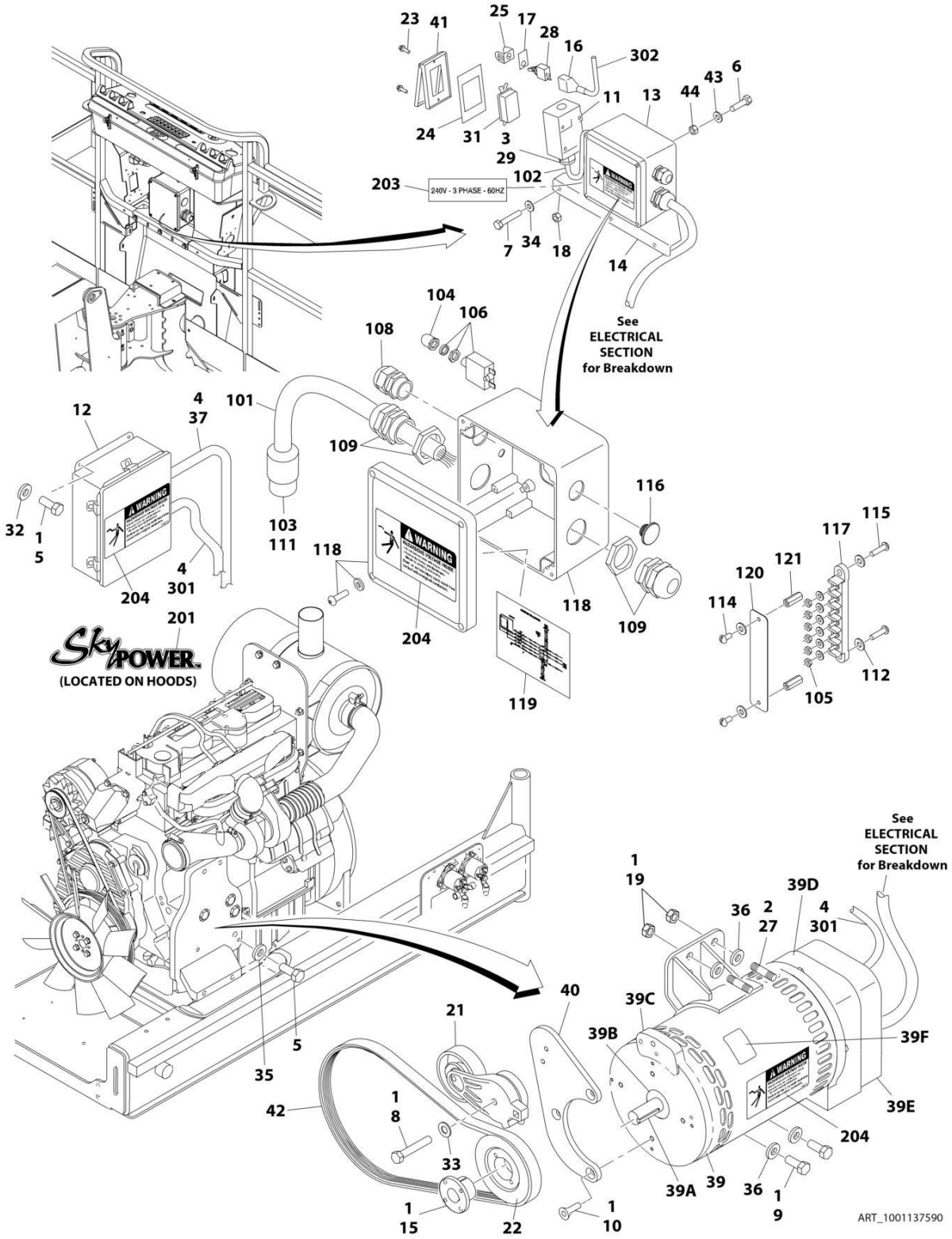


FIGURE 3-55. 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137590	Ref	7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES) (OPTIONAL)	G
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Installation.	
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100020	AR	Sealant, Pipe	
4	0100048	AR	Grease, Dielectric	
5	0641404	5	Bolt 1/4 x 1/2	
6	3931016	4	Bolt 10 x 1	
7	0641516	3	Bolt 5/16 x 2	
8	0641618	1	Bolt 3/8 x 2	
9	0641810	2	Bolt 1/2 x 1-1/4	
10	0741607	3	Screw 3/8 x 7/8	
11	0860038	1	Box, Switch	
12	0861538	1	Box, Generator Control	
12	7024488	1	Card, Circuit - Generator Power (Not Shown)	
12	See Note	1	Fuse (Note: Not Available Purchase Locally)	
12	7024489	1	Card, Circuit - Control (Not Shown)	
		Ref	Note: When replacing card, rocker switch on card must be set for required application.	
12	70000619	1	Harness, Circuit Card	
13	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
14	0902888	1	Bracket, Generator Junction Box	
15	0962520	1	Bushing, Taper	
16	2820031	AR	Insulator, Heat Shrink	
17	3251102	1	Nameplate, Generator	
18	3311508	3	Nut 5/16	
19	3311801	2	Nut 1/2	
21	3580317	1	Pulley, Belt Tensioner	
22	3580318	1	Pulley, Generator	
23	3910606	4	Screw #6 x 3/8	
24	3960422	1	Gasket, AC Receptacle	
25	4060802	1	Guard, Switch	
26	4240018	AR	Strap, Tie (Not Shown)	
27	4300157	2	Stud 1/2-13	
28	4360336	1	Switch, Toggle	
29	4460071	1	Connector, Strain Relief	
31	4460346	1	Terminal, Receptacle	
32	4711400	4	Washer 1/4	
33	4711600	1	Washer 3/8	
34	4751500	3	Washer 5/16	
35	4791400	2	Washer, Star 1/4	
36	4891800	4	Washer 1/2	
37	4922972	1	Harness, Generator Cable (See ELECTRICAL SECTION for Breakdown)	
39	1001136988	NLA	Generator, 7500W (Use p/n 1001212223) **(SN 0300209000 through 0300226075)**	
39	1001212223	1	Generator Assembly **(SN 0300226076 through 0300272505)**	
39	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
39	70001384	1	Bearing, Shaft (Rear) (Not Shown)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	70000863	1	Fan, Generator (Not Shown)	
39	70004093	1	Stator (Not Shown) (1001136988 Generator)	
39	70006093	1	Stator (Not Shown) (1001212223 Generator)	
39	70002297	2	Stud 1/4-20 x 12-7/8 (Not Shown)	
39	70003631	1	Brushholder Assembly (Not Shown)	
39A	70004099	1	Key	
39B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
39B	70003709	1	Ring, Retaining (Small)	
39B	70003708	1	Ring, Retaining (Large)	
39C	70004092	1	Endbell, Belt Tensioner	
39D	70004094	1	Endbell, Brush Block	
39E	70004096	1	Shroud (1001136988 Generator)	
39E	70006094	1	Shroud (1001212223 Generator)	
39E	7027799	1	Block, Connector - 6 Position (Not Shown)	
39E	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
39E	7024485	1	Breaker, Circuit 30Amp (Not Shown) (1001136988 Generator)	
39E	70006095	1	Breaker, Circuit 30Amp (Not Shown) (1001212223 Generator)	
39E	70001696	1	Boot, Breaker (Not Shown) (1001136988 Generator)	
39E	70006096	1	Guard, Breaker (Not Shown) (1001212223 Generator)	
39E	7026597	1	Connector with Leads (Not Shown)	
39E	7026626	1	Connector with Pins (Not Shown)	
39E	70004098	1	Clamp, Cable (Not Shown)	
39E	70004095	1	Plate, End Panel (Not Shown) (1001136988 Generator)	
39E	70006097	1	Plate, End Panel (Not Shown) (1001212223 Generator)	
39E	70004097	1	Insulator, Endbell (Not Shown) (1001136988 Generator)	
39E	70002291	1	Insulator, Endbell (Not Shown) (1001212223 Generator)	
39E	70001974	1	Decal - Terminal Connections (Not Shown)	
39F	70001973	1	Decal - Warning Moving Parts	
40	1001138011	1	Bracket	
41	1001110873	1	Shield, Receptacle Cover	
42	1001142645	1	Belt, Generator	
43	4751000	4	Washer #10	
44	3311005	4	Nut #10	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft /0.5m	Cable, Electrical 10/4	
102	1001179154	2.5 ft /0.8m	Cable, Electrical 12/3	
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Strain Relief, Terminal	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	10	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-off	
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V-60Hz (Not Shown - Located at Platform Receptacle) **(SN 0300222674 through 0300272505)**	
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal - Hazardous Voltage	
	1001122528	Ref	ELECTRICAL DIAGRAM COMPONENTS	B
301	1001119968	1	Generator Harness	C
301A	4460967	1	Plug, Male - 3 Position (Not Shown)	
301A	4460465	6	Socket, Female	
301B	1001117078	1	Fuseholder with Fuse (Not Shown)	
302	4922641	1	Switch Harness	

FIGURE 3-56. 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES) (OPTIONAL)

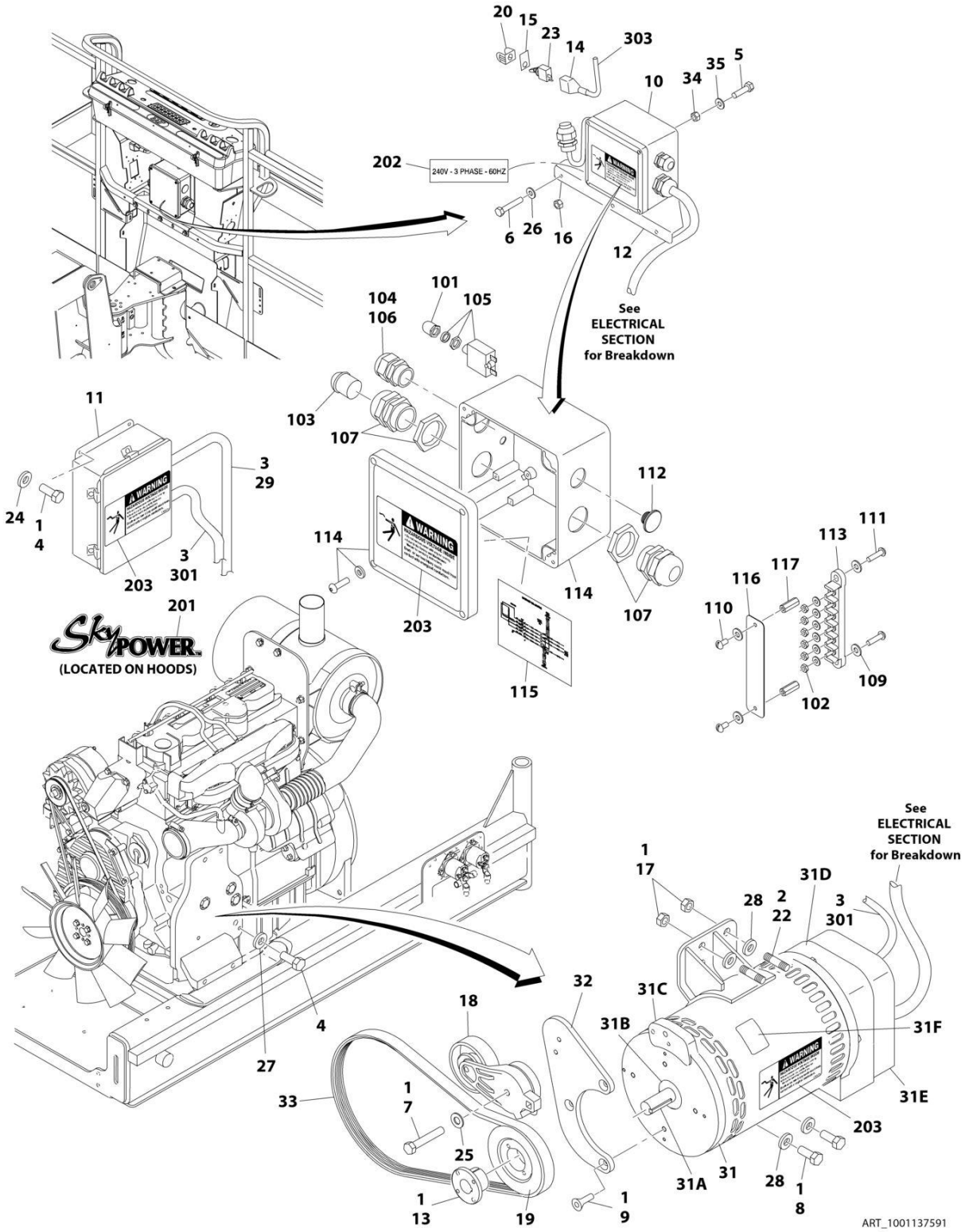


FIGURE 3-56. 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137591	Ref	7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES) (OPTIONAL)	D
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Installation.	
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641404	5	Bolt 1/4 x 1/2	
5	3931016	4	Bolt #10 x 1	
6	0641516	3	Bolt 5/16 x 2	
7	0641618	1	Bolt 3/8 x 2	
8	0641810	2	Bolt 1/2 x 1-1/4	
9	0741607	3	Screw 3/8 x 7/8	
10	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
11	0861572	1	Box, Generator Control	
11	7024488	1	Card, Circuit - Generator Power (Not Shown)	
11	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
11	7024489	1	Card, Circuit - Control (Not Shown)	
		Ref	Note: When replacing card, rocker switch on card must be set for required application.	
11	70000619	1	Harness, Circuit Card	
12	0902888	1	Bracket, Generator Junction Box	
13	0962520	1	Bushing, Taper	
14	2820031	AR	Insulator, Heat Shrink	
15	3251102	1	Nameplate, Generator	
16	3311508	3	Nut 5/16	
17	3311801	2	Nut 1/2	
18	3580317	1	Pulley, Belt Tensioner	
19	3580319	1	Pulley, Generator	
20	4060802	1	Guard, Switch	
21	4240018	AR	Strap, Tie (Not Shown)	
22	4300157	2	Stud 1/2-13	
23	4360336	1	Switch, Toggle	
24	4711400	4	Washer 1/4	
25	4711600	1	Washer 3/8	
26	4751500	3	Washer 5/16	
27	4791400	2	Washer, Star 1/4	
28	4891800	4	Washer 1/2	
29	4922972	1	Harness, Generator Cable (See ELECTRICAL SECTION for Breakdown)	
31	1001136988	NLA	Generator, 7500W (Use p/n 1001212223) **(SN 0300209000 through 0300226075)**	
31	1001212223	1	Generator Assembly **(SN 0300226076 through 0300272505)**	
31	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
31	70001384	1	Bearing, Shaft (Rear) (Not Shown)	
31	70000863	1	Fan, Generator (Not Shown)	
31	70004093	1	Stator (Not Shown) (1001136988 Generator)	
31	70006093	1	Stator (Not Shown) (1001212223 Generator)	
31	70002297	2	Stud 1/4-20 x 12-7/8 (Not Shown)	
31	70003631	1	Brushholder Assembly (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31A	70004099	1	Key	
31B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
31B	70003709	1	Ring, Retaining (Small)	
31B	70003708	1	Ring, Retaining (Large)	
31C	70004092	1	Endbell, Belt Tensioner	
31D	70004094	1	Endbell, Brush Block	
31E	70004096	1	Shroud Assembly	
31E	7027799	1	Block, Connector - 6 Position (Not Shown)	
31E	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
31E	7024485	1	Breaker, Circuit 30Amp (Not Shown) (1001136988 Generator)	
31E	70006095	1	Breaker, Circuit 30Amp (Not Shown) (1001212223 Generator)	
31E	70001696	1	Boot, Breaker (Not Shown) (1001136988 Generator)	
31E	70006096	1	Guard, Breaker (Not Shown) (1001212223 Generator)	
31E	7026597	1	Connector with Leads (Not Shown)	
31E	7026626	1	Connector with Pins (Not Shown)	
31E	70004098	1	Clamp, Cable (Not Shown)	
31E	70004095	1	Plate, End Panel (Not Shown) (1001136988 Generator)	
31E	70006097	1	Plate, End Panel (Not Shown) (1001212223 Generator)	
31E	70004097	1	Insulator, Endbell (Not Shown) (1001136988 Generator)	
31E	70002291	1	Insulator, Endbell (Not Shown) (1001212223 Generator)	
31E	70001974	1	Decal - Terminal Connections (Not Shown)	
31F	70001973	1	Decal - Warning Moving Parts	
32	1001138011	1	Bracket	
33	1001136357	1	Belt, Generator	
34	3311005	4	Nut #10	
35	4751000	4	Washer #10	
	1001157525	Ref	JUNCTION BOX ASSEMBLY	B
101	3300396	1	Cover, Fuse	
102	3311001	6	Nut #10	
103	3520189	1	Plug (50Hz Spec Only)	
104	3520192	1	Plug	
105	4360070	1	Circuit Breaker - 15Amp	
106	4460425	1	Strain Relief, Terminal	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug	
113	1001157520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase	
203	1705489	3	Decal - Hazardous Voltage	
	1001122528	Ref	ELECTRICAL DIAGRAM COMPONENTS	B
301	1001119968	1	Generator Harness	C
301A	4460967	1	Plug, Male - 3 Position (Not Shown)	
301A	4460465	6	Socket, Female	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301B	1001117078	1	Fuseholder with Fuse (Not Shown)	
303	4922641	1	Switch Harness	

SECTION 4 - BOOM

FIGURE 4-1. BOOM INSTALLATION - WITHOUT COLD WEATHER PLUS PACKAGE

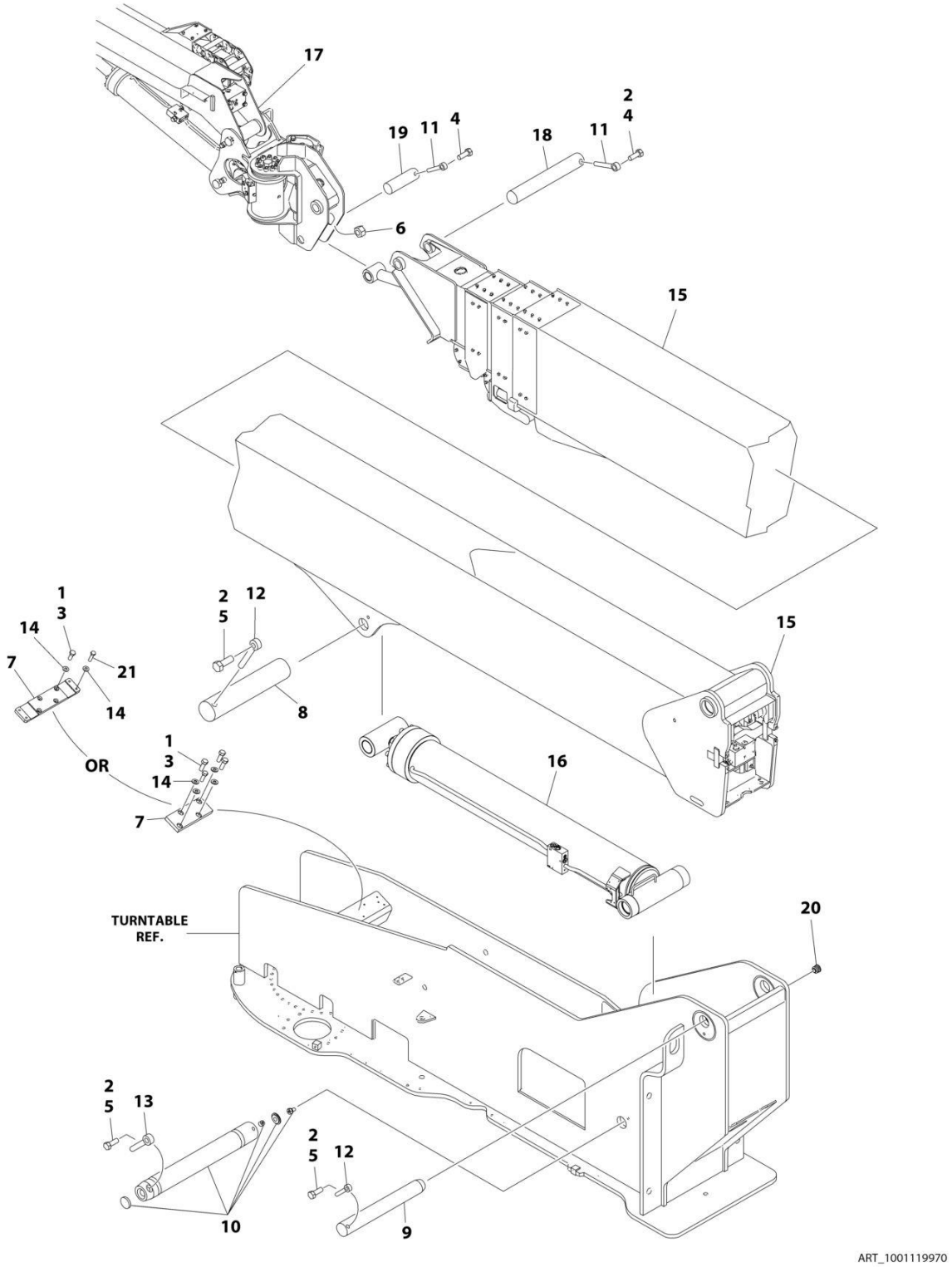


FIGURE 4-1. BOOM INSTALLATION - WITHOUT COLD WEATHER PLUS PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119970	Ref	BOOM INSTALLATION - WITHOUT COLD WEATHER PLUS PACKAGE	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641608	4	Bolt 3/8 x 1	
4	0642012	2	Bolt 5/8 x 1-1/2	
5	0642214	3	Bolt 3/4 x 1-3/4	
6	3312005	1	Nut 5/8	
7	3340927	1	Pad **(SN 0300209000 through 0300251462)**	
7	1001237755	1	Pad **(SN 0300251463 through 0300272505)**	
8	3422955	1	Pin	
9	3422988	1	Pin	
10	3423208	1	Pin, Load Sensing	
11	3841258	2	Keeper, Pin	
12	3841287	2	Keeper, Pin	
13	3841581	1	Keeper, Pin	
14	4751600	AR	Washer 3/8	
15	1001117455	1	Boom Assembly (See BOOM ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE for Breakdown)	
16	1001118442	NLA	Lift Cylinder Assembly (Use p/n 1001228045) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300239990)**	
16	1001228045	1	Lift Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300239991 through 0300272505)**	
17	1001140108	1	Jib Installation (See JIB INSTALLATION for Breakdown)	
18	1001119899	1	Pin	
19	1001119999	1	Pin	
20	1001213705	1	Plug **(SN 0300216196 through 0300272505)**	
21	0641612	4	Bolt 3/8 x 1-1/2	

FIGURE 4-2. BOOM INSTALLATION - WITH COLD WEATHER PLUS PACKAGE

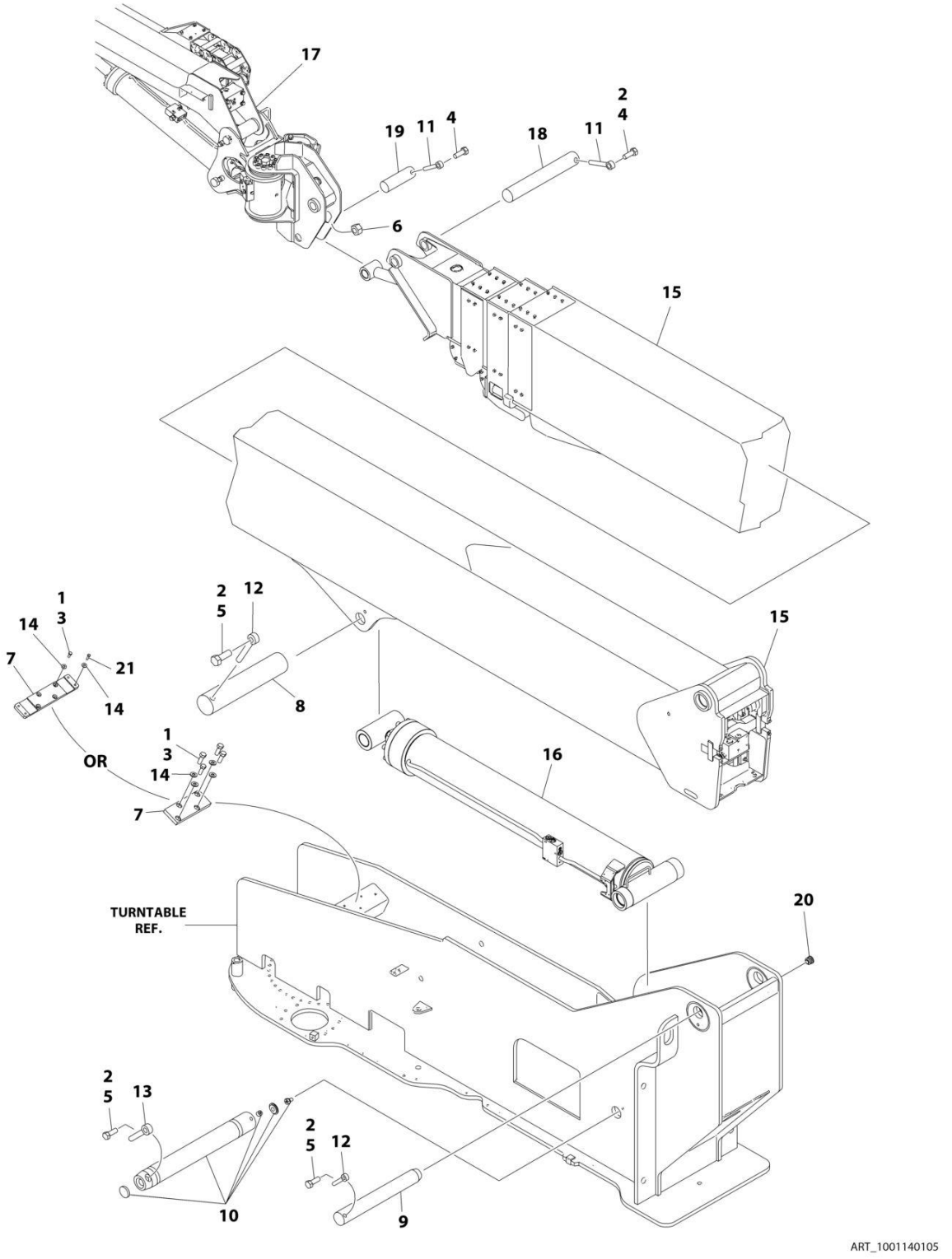
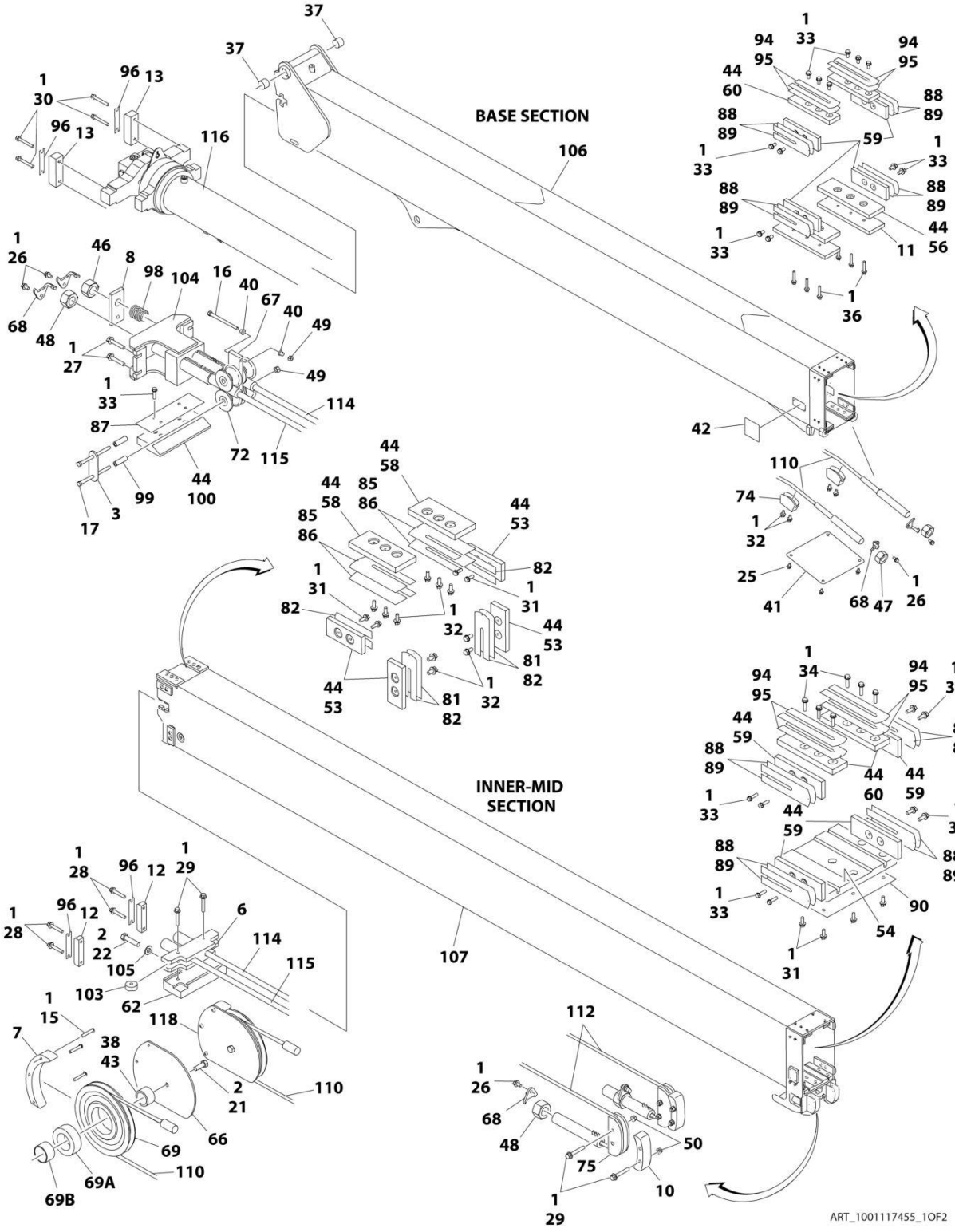


FIGURE 4-2. BOOM INSTALLATION - WITH COLD WEATHER PLUS PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001140105	Ref	BOOM INSTALLATION - WITH COLD WEATHER PLUS PACKAGE	E
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641608	4	Bolt 3/8 x 1	
4	0642012	2	Bolt 5/8 x 1-1/2	
5	0642214	3	Bolt 3/4 x 1-3/4	
6	3312005	1	Nut 5/8	
7	3340927	1	Pad **(SN 0300209000 through 0300251462)**	
7	1001237755	1	Pad **(SN 0300251463 through 0300272505)**	
8	3422955	1	Pin	
9	3422988	1	Pin	
10	3423208	1	Pin, Load Sensing	
11	3841258	2	Keeper, Pin	
12	3841287	2	Keeper, Pin	
13	3841581	1	Keeper, Pin	
14	4751600	AR	Washer 3/8	
15	1001140107	1	Boom Assembly (See BOOM ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE for Breakdown)	
16	1001118442	NLA	Lift Cylinder Assembly (Use p/n 1001228045) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300239990)**	
16	1001228045	1	Lift Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300239991 through 0300272505)**	
17	1001140108	1	Jib Installation (See JIB INSTALLATION for Breakdown)	
18	1001119899	1	Pin	
19	1001119999	1	Pin	
20	1001213705	1	Plug **(SN 0300216196 through 0300272505)**	
21	0641612	1	Bolt 3/8 x 1-1/2	

FIGURE 4-3. BOOM ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE



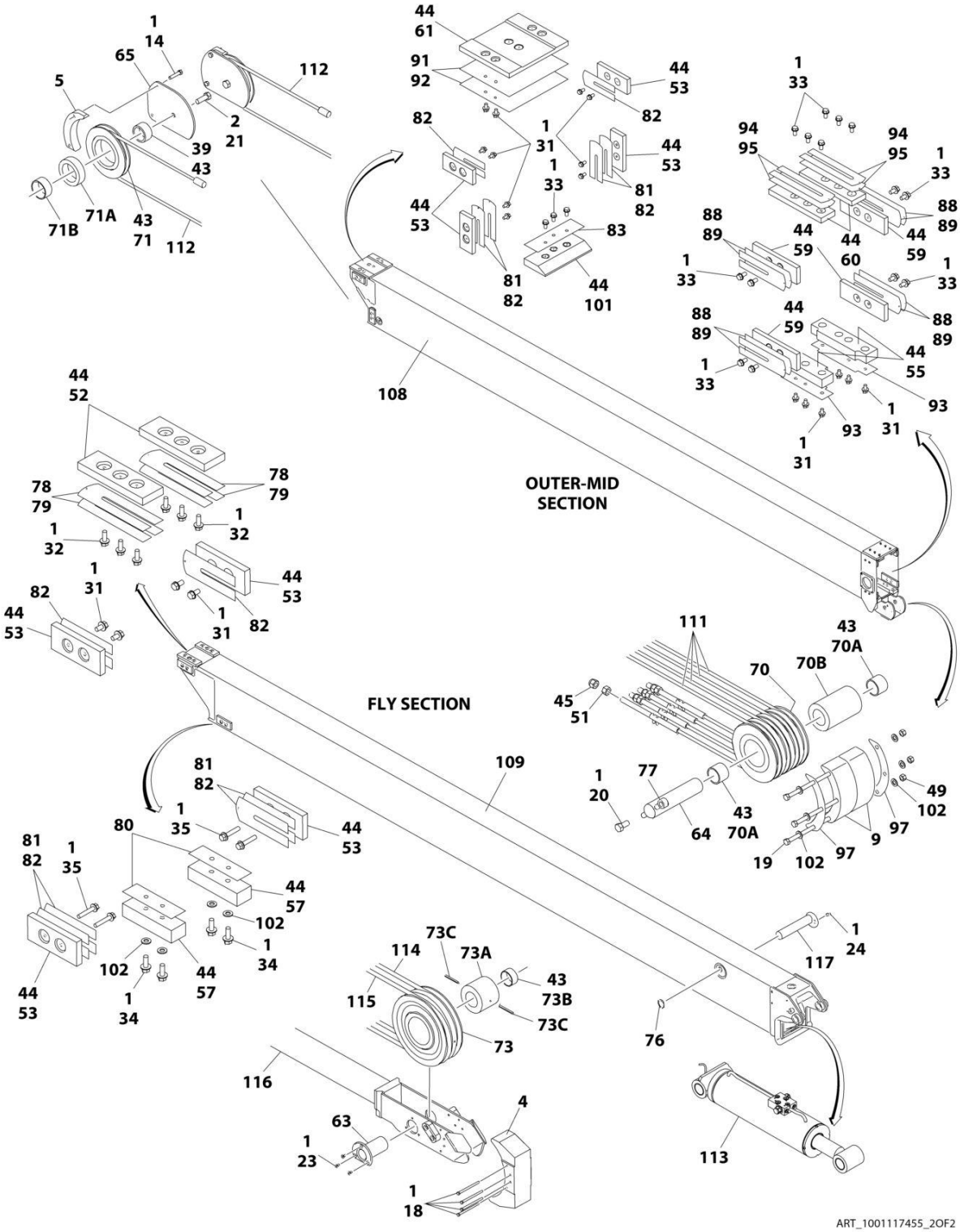

OUTER-MID SECTION
FLY SECTION
ART_1001117455_2OF2

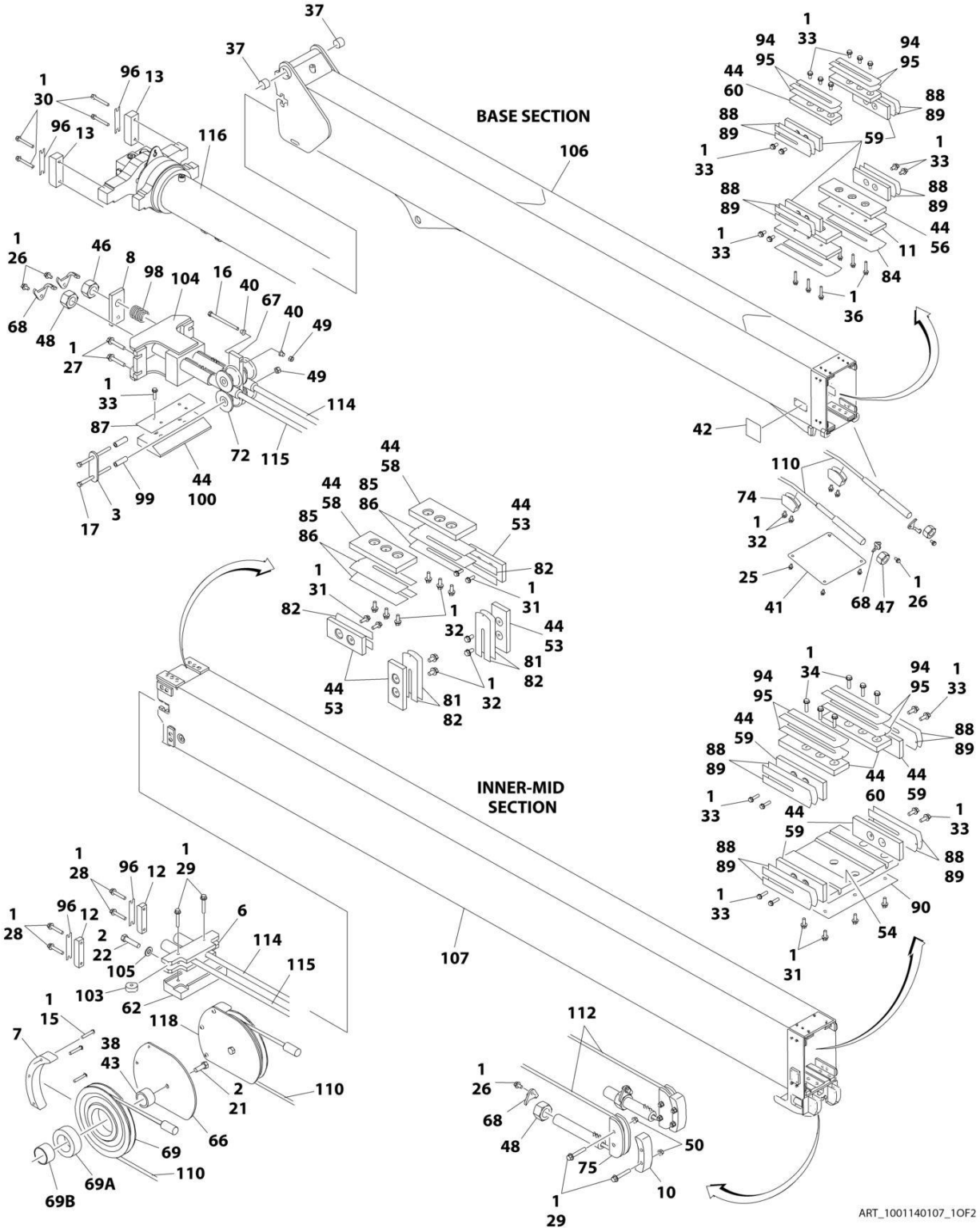
FIGURE 4-3. BOOM ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117455	Ref	BOOM ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE	J
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0363066	2	Bar, Stabilizer	
4	0561431	1	Block, Rope Retainer	
5	0561437	2	Block, Rope Retainer	
6	0561439	1	Block, Outer Mid Extend	
7	0561444	2	Block, Cable Retainer	
8	0561454	1	Block, Switch Adjuster	
9	0561457	2	Block, Cable Retainer	
10	0561458	2	Block, Cable Retainer	
11	0561471	2	Block, Spacer	
12	0561482	2	Block, Trunnion Keeper	
13	0561500	2	Block, Trunnion Keeper	
14	0641615	4	Bolt 3/8 x 1-7/8	
15	0641618	6	Screw 3/8 x 2-1/4	
16	0641640	1	Bolt 3/8 x 5	
17	0641644	2	Bolt 3/8 x 5-1/2	
18	0641646	4	Bolt 3/8 x 5-3/4	
19	0641652	3	Bolt 3/8 x 6-1/2	
20	0641808	1	Bolt 1/2 x 1	
21	0642014	4	Bolt 5/8 x 1-3/4	
22	0642022	2	Bolt 5/8 x 2-3/4	
23	0741606	3	Screw 3/8 x 3/4	
24	0741806	1	Screw 1/2 x 3/4	
25	0791604	4	Screw 3/8 x 1/2	
26	0791605	6	Screw 3/8 x 5/8	
27	0791612	4	Screw 3/8 x 1-1/2	
28	0791618	4	Screw 3/8 x 2-1/4	
29	0791620	10	Screw 3/8 x 2-1/2	
30	0791624	4	Screw 3/8 x 3	
31	0811606	30	Screw 3/8 x 3/4	
32	0811607	24	Screw 3/8 x 7/8	
33	0811608	43	Screw 3/8 x 1	
34	0811610	10	Screw 3/8 x 1-1/4	
35	0811614	4	Screw 3/8 x 1-3/4	
36	0811616	6	Screw 3/8 x 2	
37	0962297	2	Bushing	
38	0962409	2	Bushing	
39	0962410	2	Bushing	
40	0962447	2	Bearing, Flanged	
41	1671032	1	Cover	
42	1671033	1	Cover	
43	3020039	AR	Lubricant, Moly	
44	3020042	AR	Lubricant with PTFE	
45	3300239	4	Nut, Nylon Insert	
46	3300458	1	Nut 1-12	
47	3300460	2	Nut 1-1/4-7	
48	3300461	3	Nut 1-3/8-6	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	3311605	6	Nut 3/8-16	
50	3311608	8	Nut 3/8-16	
51	3311801	4	Nut 1/2-13	
52	3340871	2	Pad, Wear	
53	3340881	12	Pad, Wear	
54	3340910	1	Pad, Wear	
55	3340912	2	Pad, Wear	
56	3340916	2	Pad, Wear	
57	3340917	2	Pad, Wear	
58	3340918	2	Pad, Wear	
59	3340921	12	Pad, Wear	
60	3340922	6	Pad, Wear	
61	3340926	1	Pad, Wear	
62	3340955	1	Pad	
63	3422926	1	Pin	
64	3422959	1	Pin	
65	3572950	2	Plate, Cable Retract Retainer	
66	1001131292	1	Plate, Cable Retract Retainer (LH)	
67	3573437	1	Plate, Pulley Adjustment	
68	3573444	6	Plate, Lock	
69	1001131330	2	Sheave	
69A	0962402	2	Bushing (Outer)	
69B	0962406	2	Bushing (Inner)	
70	3580300	1	Sheave	
70A	1001139972	1	Bushing (Inner)	
70B	0962403	1	Bushing (Outer)	
71	3580302	2	Sheave	
71A	0962404	2	Bushing (Outer)	
71B	0962411	2	Bushing (Inner)	
72	3580306	4	Pulley	
73	1001154260	2	Sheave	
73A	1001154306	2	Bushing (Outer)	
73B	1001154304	2	Bushing (Inner)	
73C	1001154294	2	Ring, Retainer	
74	3580341	2	Sheave	
75	3580342	2	Sheave	
76	3760217	1	Ring, Retaining	
77	3841203	1	Keeper, Pin	
78	4070863	2	Shim #11 Gauge	
79	4070864	2	Shim #18 Gauge	
80	4070895	2	Shim #16 Gauge	
81	4070897	6	Shim #18 Gauge	
82	4070898	12	Shim #11 Gauge	
83	4071012	1	Shim #16 Gauge	
85	4071015	2	Shim #16 Gauge	
86	4071016	2	Shim #11 Gauge	
87	4071017	1	Shim #16 Gauge	
88	4071018	8	Shim #16 Gauge	
89	4071019	12	Shim #11 Gauge	
90	4071024	1	Shim #16 Gauge	
91	4071025	1	Shim #16 Gauge	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
92	4071026	1	Shim #11 Gauge	
93	4071027	2	Shim #16 Gauge	
94	4071028	6	Shim #16 Gauge	
95	4071029	6	Shim #11 Gauge	
96	4071031	4	Shim #16 Gauge	
97	4071046	2	Shim #16 Gauge	
98	4160197	1	Spring	
99	4568423	4	Tube, Spacer	
100	1001131296	1	Pad, Wear	
101	4700039	1	Pad, Wear	
102	4711600	10	Washer 3/8	
103	4740509	2	Spacer	
104	4846453	1	Plate, Mounting	
105	4892000	2	Washer 5/8	
106	1001117456	1	Base, Boom	
107	1001117457	1	Mid, Inner	
108	1001117458	1	Mid, Outer	
109	1001117459	1	Fly, Boom	
110	1001117479	2	Cable, Outer Mid Retract	
111	1001117480	4	Cable, Fly Extend	
112	1001117481	2	Cable, Fly Retract	
113	1001118142	NLA	Jib Level Cylinder Assembly (Use p/n 1001228043) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300239990)**	
113	1001228043	1	Jib Level Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300239991 through 0300272505)**	
114	1001118430	1	Cable, Outer Mid Extend	
115	1001118431	1	Cable, Outer Mid Extend	
116	1001119497	NLA	Telescope Cylinder Assembly (Use p/n 1001228047) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300244704)**	
116	1001228047	1	Telescope Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300244705 through 0300272505)**	
117	1001119571	1	Pin	
118	1001131293	1	Plate, Cable Retract Retainer (RH)	
		Ref	Kit Options:	
	1001143929	1	Main Boom Wear Pad Kit (Includes Items 11, 31-36, 52-61, 78-95 & 101-102)	
	1001143927	1	Wire Rope Kit (Includes Items 14-23, 26-30, 38-40, 45-51, 63, 64, 69A, 69B, 70-73, 77, 99, 102, 105 & 110-115)	

FIGURE 4-4. BOOM ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE



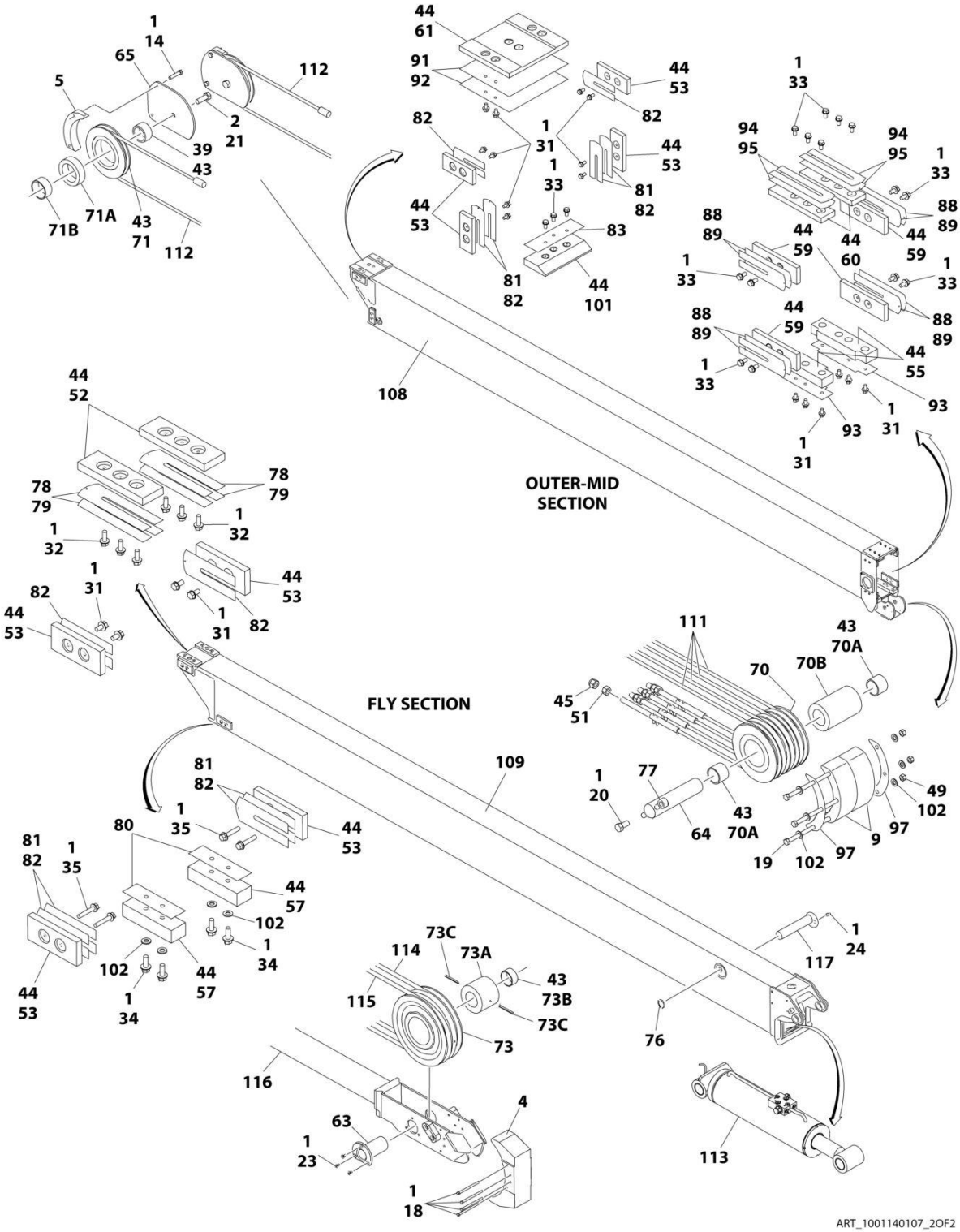

OUTER-MID SECTION
FLY SECTION
ART_1001140107_2OF2

FIGURE 4-4. BOOM ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001140107	Ref	BOOM ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE	D
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0363066	2	Bar, Stabilizer	
4	0561431	1	Block, Rope Retainer	
5	0561437	2	Block, Rope Retainer	
6	0561439	1	Block, Outer Mid Extend	
7	0561444	2	Block, Cable Retainer	
8	0561454	1	Block, Switch Adjuster	
9	0561457	2	Block, Cable Retainer	
10	0561458	2	Block, Cable Retainer	
11	0561471	2	Block, Spacer	
12	0561482	2	Block, Trunnion Keeper	
13	0561500	2	Block, Trunnion Keeper	
14	0641615	4	Bolt 3/8 x 1-7/8	
15	0641618	6	Screw 3/8 x 2-1/4	
16	0641640	1	Bolt 3/8 x 5	
17	0641644	2	Bolt 3/8 x 5-1/2	
18	0641646	4	Bolt 3/8 x 5-3/4	
19	0641652	3	Bolt 3/8 x 6-1/2	
20	0641808	1	Bolt 1/2 x 1	
21	0642014	4	Bolt 5/8 x 1-3/4	
22	0642022	2	Bolt 5/8 x 2-3/4	
23	0741606	3	Screw 3/8 x 3/4	
24	0741806	1	Screw 1/2 x 3/4	
25	0791604	4	Screw 3/8 x 1/2	
26	0791605	6	Screw 3/8 x 5/8	
27	0791612	4	Screw 3/8 x 1-1/2	
28	0791618	4	Screw 3/8 x 2-1/4	
29	0791620	10	Screw 3/8 x 2-1/2	
30	0791624	4	Screw 3/8 x 3	
31	0811606	30	Screw 3/8 x 3/4	
32	0811607	24	Screw 3/8 x 7/8	
33	0811608	43	Screw 3/8 x 1	
34	0811610	10	Screw 3/8 x 1-1/4	
35	0811614	4	Screw 3/8 x 1-3/4	
36	0811616	6	Screw 3/8 x 2	
37	0962297	2	Bushing	
38	0962409	2	Bushing	
39	0962410	2	Bushing	
40	0962447	2	Bearing, Flanged	
41	1671032	1	Cover	
42	1671033	1	Cover	
43	3020039	AR	Lubricant, Moly	
44	3020042	AR	Lubricant with PTFE	
45	3300239	4	Nut, Nylon Insert	
46	3300458	1	Nut 1-12	
47	3300460	2	Nut 1-1/4-7	
48	3300461	3	Nut 1-3/8-6	
49	3311605	6	Nut 3/8-16	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	3311608	8	Nut 3/8-16	
51	3311801	4	Nut 1/2-13	
52	3340871	2	Pad, Wear	
53	3340881	12	Pad, Wear	
54	3340910	1	Pad, Wear	
55	3340912	2	Pad, Wear	
56	3340916	2	Pad, Wear	
57	3340917	2	Pad, Wear	
58	3340918	2	Pad, Wear	
59	3340921	12	Pad, Wear	
60	3340922	6	Pad, Wear	
61	3340926	1	Pad, Wear	
62	3340955	1	Pad	
63	3422926	1	Pin	
64	3422959	1	Pin	
65	3572950	2	Plate, Cable Retract Retainer	
66	1001131292	1	Plate, Cable Retract Retainer (LH)	
67	3573437	1	Plate, Pulley Adjustment	
68	3573444	6	Plate, Lock	
69	1001131330	2	Sheave	
69A	0962402	2	Bushing (Outer)	
69B	0962406	2	Bushing (Inner)	
70	3580300	1	Sheave	
70A	1001139972	1	Bushing (Inner)	
70B	0962403	1	Bushing (Outer)	
71	3580302	2	Sheave	
71A	0962404	2	Bushing (Outer)	
71B	0962411	2	Bushing (Inner)	
72	3580306	4	Pulley	
73	1001154260	2	Sheave	
73A	1001154306	2	Bushing (Outer)	
73B	1001154304	2	Bushing (Inner)	
73C	1001154294	2	Ring, Retainer	
74	3580341	2	Sheave	
75	3580342	2	Sheave	
76	3760217	1	Ring, Retaining	
77	3841203	1	Keeper, Pin	
78	4070863	2	Shim #11 Gauge	
79	4070864	2	Shim #18 Gauge	
80	4070895	2	Shim #16 Gauge	
81	4070897	6	Shim #18 Gauge	
82	4070898	12	Shim #11 Gauge	
83	4071012	1	Shim #16 Gauge	
84	4071013	2	Shim #16 Gauge	
85	4071015	2	Shim #16 Gauge	
86	4071016	2	Shim #11 Gauge	
87	4071017	1	Shim #16 Gauge	
88	4071018	8	Shim #16 Gauge	
89	4071019	12	Shim #11 Gauge	
90	4071024	1	Shim #16 Gauge	
91	4071025	1	Shim #16 Gauge	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
92	4071026	1	Shim #11 Gauge	
93	4071027	2	Shim #16 Gauge	
94	4071028	6	Shim #16 Gauge	
95	4071029	6	Shim #11 Gauge	
96	4071031	4	Shim #16 Gauge	
97	4071046	2	Shim #16 Gauge	
98	4160197	1	Spring	
99	4568423	4	Tube, Spacer	
100	1001131296	1	Pad, Wear	
101	4700039	1	Pad, Wear	
102	4711600	10	Washer 3/8	
103	4740509	2	Spacer	
104	4846453	1	Plate, Mounting	
105	4892000	2	Washer 5/8	
106	1001117456	1	Base, Boom	
107	1001117457	1	Mid, Inner	
108	1001117458	1	Mid, Outer	
109	1001117459	1	Fly, Boom	
110	1001117479	2	Cable, Outer Mid Retract	
111	1001117480	4	Cable, Fly Extend	
112	1001117481	2	Cable, Fly Retract	
113	1001139998	NLA	Jib Level Cylinder Assembly (Use p/n 1001228043) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300239990)**	
113	1001228043	1	Jib Level Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300239991 through 0300272505)**	
114	1001118430	1	Cable, Outer Mid Extend	
115	1001118431	1	Cable, Outer Mid Extend	
116	1001119497	NLA	Telescope Cylinder Assembly (Use p/n 1001228047) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300244704)**	
116	1001228047	1	Telescope Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300244705 through 0300272505)**	
117	1001119571	1	Pin	
118	1001131293	1	Plate, Cable Retract Retainer (RH)	
		Ref	Kit Options:	
	1001143929	1	Main Boom Wear Pad Kit (Includes Items 11, 31-36, 52-61, 78-95 & 101-102)	
	1001143927	1	Wire Rope Kit (Includes Items 14-23, 26-30, 38-40, 45-51, 63, 64, 69A, 69B, 70-73, 77, 99, 102, 105 & 110-115)	

FIGURE 4-5. WIRE ROPE TOOLS INSTALLATION (OPTIONAL)

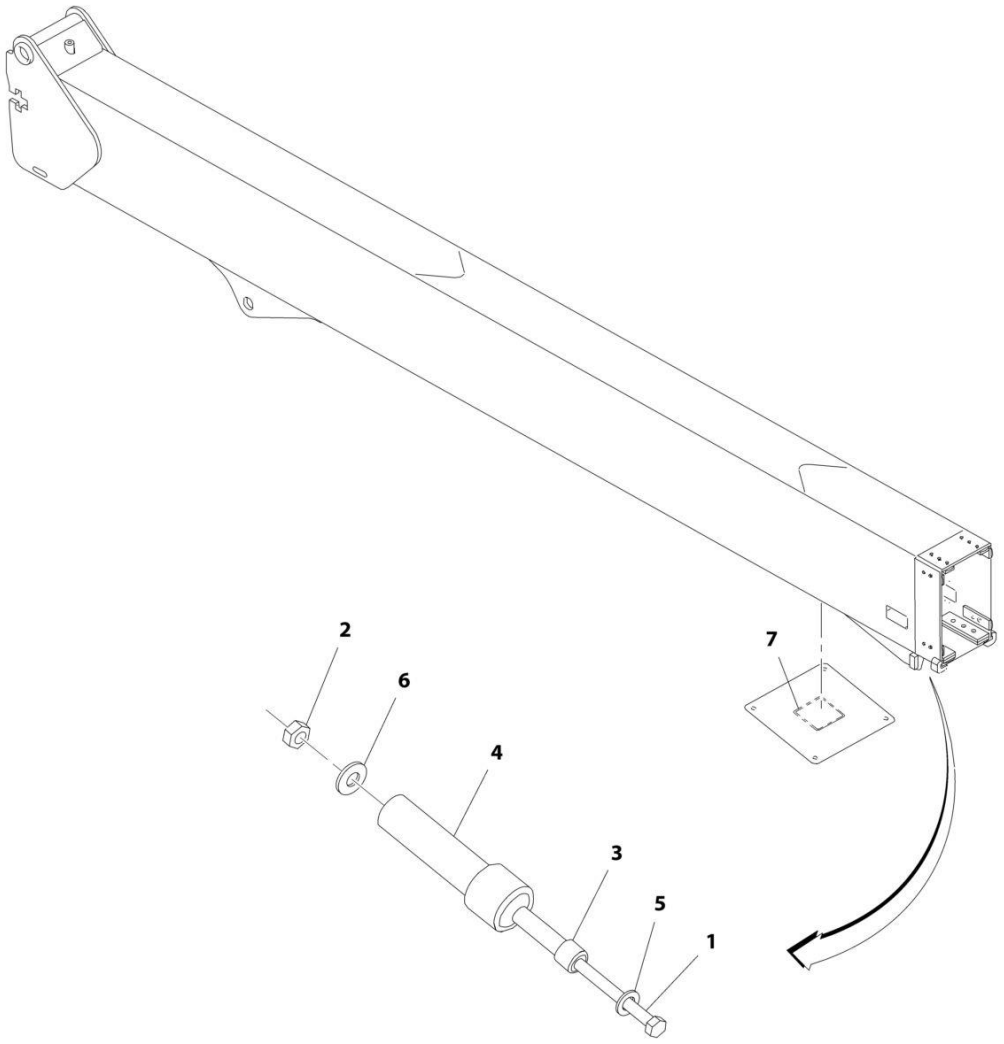


FIGURE 4-5. WIRE ROPE TOOLS INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272048	Ref	WIRE ROPE TOOLS INSTALLATION (OPTIONAL)	B
1	0641676	1	Bolt 3/8 x 9-1/2	
2	3311605	1	Nut 3/8	
3	4120040	1	Socket 3/4	
4	4120043	1	Socket 2	
5	4711600	1	Washer 3/8	
6	4891600	1	Washer 3/8	
7	1705307	1	Decal - Tool Location	

FIGURE 4-6. JIB INSTALLATION

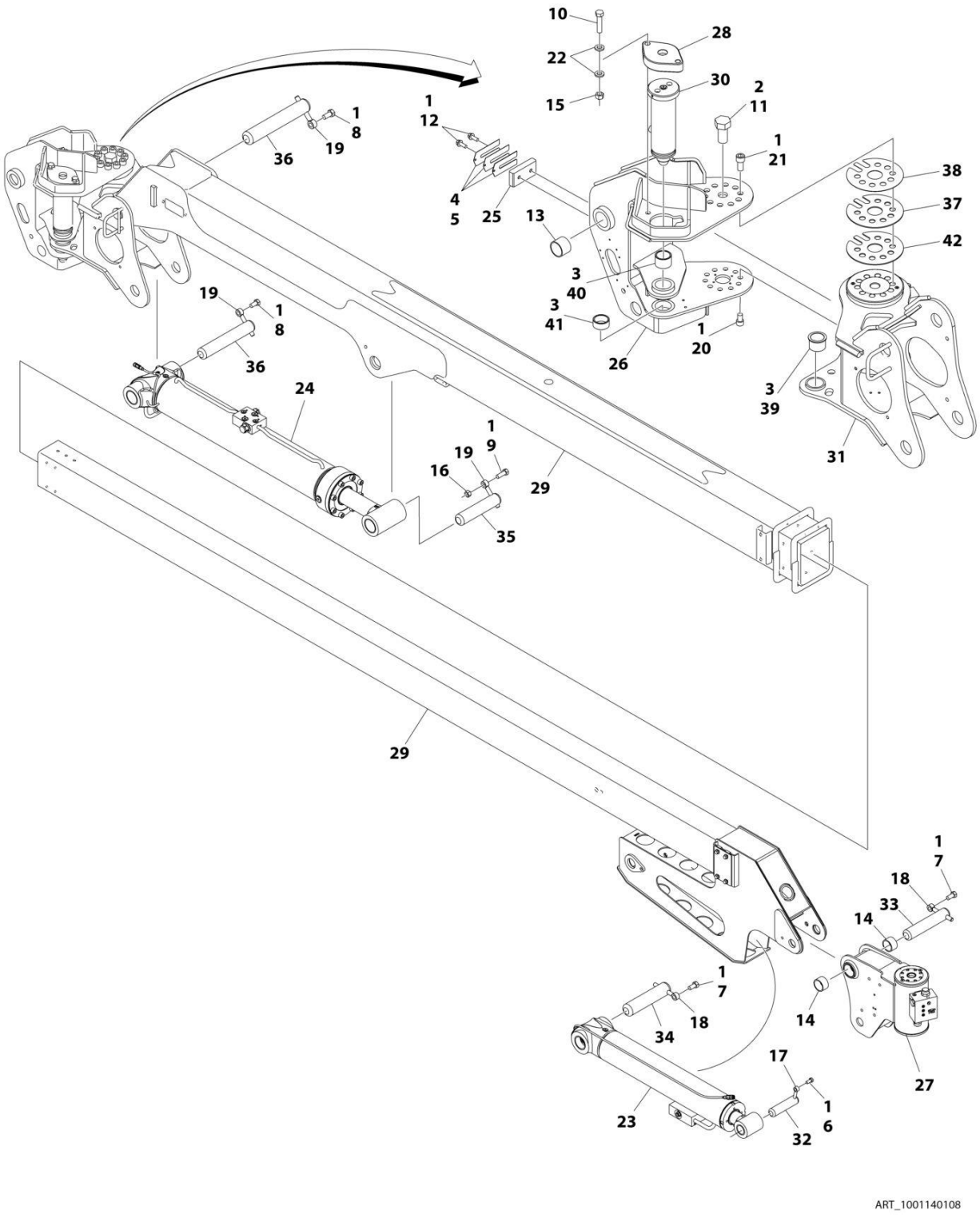


FIGURE 4-6. JIB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001140108	Ref	JIB INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100063	AR	Compound, Locking	
4	91471226	AR	Shim 16Ga	
5	91471227	AR	Shim 20Ga	
6	0641606	1	Bolt 3/8 x 3/4	
7	0641808	2	Bolt 1/2 x 1	
8	0642010	2	Bolt 5/8 x 1-1/4	
9	0642014	1	Bolt 5/8 x 1-3/4	
10	0682022	2	Bolt 5/8 x 2-3/4 Grade 8	
11	0683020	1	Bolt 1-1/4 x 2-1/4 Grade 8	
12	0811608	2	Screw 3/8 x 1	
13	0961950	2	Bushing	
14	0962181	2	Bushing	
15	3272005	2	Nut 5/8 Grade 8	
16	3312005	1	Nut 5/8	
17	3841143	1	Keeper, Pin	
18	3841203	2	Keeper, Pin	
19	3841258	3	Keeper, Pin	
20	3932016	10	Capscrew 5/8 x 1	
21	3932224	10	Capscrew 3/4 x 1-1/2	
22	4892000	4	Washer 5/8	
23	1001139999	NLA	Platform Level Cylinder Assembly (Use p/n 1001228057) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300239674)**	
23	1001228057	1	Platform Level Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300239675 through 0300272505)**	
24	1001140104	NLA	Jib Lift Cylinder Assembly (Use p/n 1001228058) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300239990)**	
24	1001228058	1	Jib Lift Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300239991 through 0300272505)**	
25	1001118369	1	Pad, Wear	
26	1001118564	1	Pivot, Jib	
27	1001178249	1	Platform Rotate Actuator Assembly (See PLATFORM ROTATE ACTUATOR ASSEMBLY for Breakdown)	
28	1001119042	1	Cap	
29	1001119111	1	Jib Boom Assembly (See JIB BOOM ASSEMBLY for Breakdown)	
30	1001119313	NLA	Jib Lock Cylinder Assembly (Use p/n 1001228046) (See CYLINDER SECTION for Breakdown) **(SN 0300209000 through 0300239674)**	
30	1001228046	1	Jib Lock Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300239675 through 0300272505)**	
31	1001178250	1	Jib Rotate Actuator Assembly (See JIB ROTATE ACTUATOR ASSEMBLY for Breakdown)	
32	1001119985	1	Pin	
33	1001119990	1	Pin	
34	1001119991	1	Pin	
35	1001119998	1	Pin	
36	1001120000	2	Pin	
37	1001120014	1	Shim 11Ga	
38	1001120015	AR	Shim 18Ga	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	1001120037	1	Bearing, Flange	
40	1001120038	1	Bearing	
41	1001120039	1	Bearing	
42	1001225266	AR	Shim **(SN 0300230068 through 0300272505)**	

FIGURE 4-7. JIB BOOM ASSEMBLY

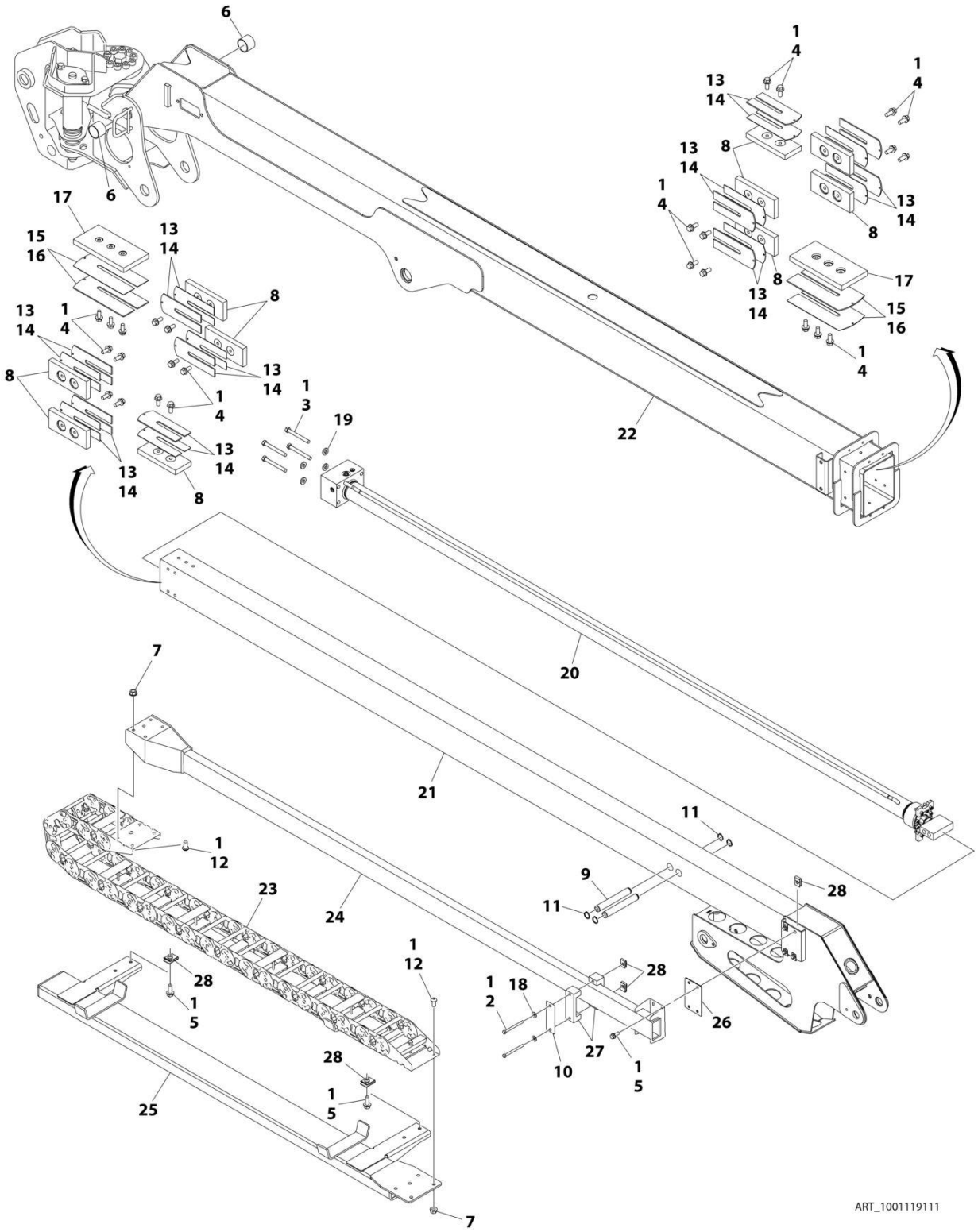


FIGURE 4-7. JIB BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119111	Ref	JIB BOOM ASSEMBLY	M
1	0100011	AR	Compound, Locking	
2	0641636	2	Bolt 3/8 x 4-1/2	
3	0681836	4	Bolt 1/2 x 4-1/2 Grade 8	
4	0811607	26	Screw 3/8 x 7/8	
5	0811608	8	Screw 3/8 x 1	
6	0961950	2	Bushing	
7	3311608	8	Nut 3/8	
8	3340881	10	Pad, Wear	
9	3423161	2	Pin	
10	3575889	1	Plate	
11	3760351	4	Ring, Retaining	
12	3900283	8	Screw 3/8 x 3/4	
13	4070897	10	Pad, Wear	
14	4070898	10	Pad, Wear	
15	4071039	2	Shim 18Ga	
16	4071040	2	Shim 11Ga	
17	1001129961	2	Pad, Wear	
18	4751600	2	Washer 3/8	
19	4891800	4	Washer 1/2	
20	1001118663	NLA	Jib Telescope Cylinder Assembly (See CYLINDER SECTION for Breakdown) (Use p/n 1001228048) **(SN 0300209000 through 0300213726)**	
20	1001121121	NLA	Jib Telescope Cylinder Assembly (Use p/n 1001228048) (See CYLINDER SECTION for Breakdown) **(SN 0300213727 through 0300244704)**	
20	1001228048	1	Jib Telescope Cylinder Assembly (See CYLINDER SECTION for Breakdown) **(SN 0300244705 through 0300272505)**	
21	1001119413	1	Boom, Jib Fly	
22	1001119414	1	Boom, Jib Base	
23	1001134180	1	Power Track Assembly	
23	70003923	AR	Repair Section (Includes links, cross bars and mounting hardware)	
23	70003924	1	Mounting Bracket Repair Kit (Includes mounting feet for both ends of power track and attaching hardware)	
24	1001119654	1	Tube, Push	
25	1001119668	1	Support, Power Track	
26	1001119710	1	Shim, Push Tube	
27	1001119714	2	Pad, Push Tube	
28	88662523	10	Nut, Retainer	
	1001143928	1	Jib Wear Pad Kit (Includes Items 4, 5, 8 & 13-17)	

FIGURE 4-8. PLATFORM ROTATE ACTUATOR ASSEMBLY

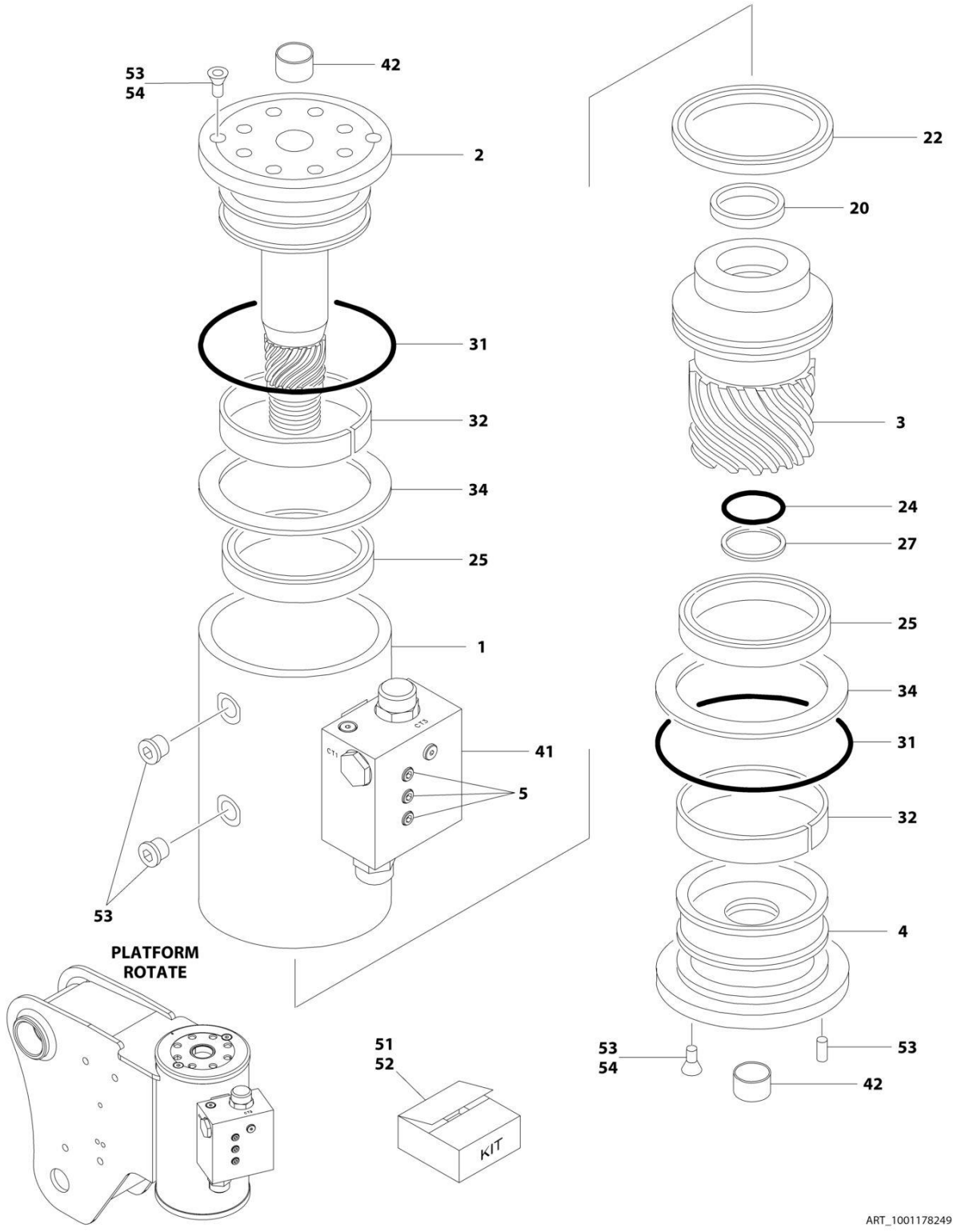


FIGURE 4-8. PLATFORM ROTATE ACTUATOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178249	Ref	PLATFORM ROTATE ACTUATOR ASSEMBLY	A
1	See Note	NSS	Case/Bracket Weldment (Note: Use p/n 1001178249)	
2	7017162	1	Shaft	
3	7017163	1	Sleeve, Piston	
4	7017164	1	Cap, End	
5	See Note	NSS	Capscrew 1/4 x 1-1/2 Grade 8 (Note: Not Available for Purchase)	
20	See Note	NSS	Seal, Rod (Note: Use Item 52)	
22	See Note	NSS	Seal, Piston (Note: Use Item 52)	
24	See Note	NSS	Seal, Cap (Note: Use Item 52)	
25	See Note	NSS	Packing, Bearing (Note: Use Item 52)	
27	See Note	NSS	Ring, Cap Back-up (Note: Use Item 52)	
31	See Note	NSS	Seal (Note: Use Item 52)	
32	See Note	NSS	Bearing, Shaft (Note: Use Item 51)	
34	See Note	NSS	Thrustwasher (Note: Use Item 51)	
41		Ref	Motion Control Valve Assembly	
41	7017183	1	Valve Assembly for Platform Rotate Actuator	
41	7017193	2	Replacement Cartridge (Located on Top and Bottom of Valve) (Valve for Platform Rotate Actuator Only)	
41	See Note	2	Seal Kit - 7017193 Cartridge (Note: Not Available for Purchase)	
41	See Note	1	Replacement Cartridge (Not Shown - Located on Side of Valve) (Valve for Platform Rotate Actuator Only) (Note: Not Available for Purchase)	
41	See Note	1	Seal Kit - 7017193 Cartridge (Note: Not Available for Purchase)	
41	70002859	1	Valve Assembly for Jib Rotator Actuator (No Service Parts Available)	
42	7017195	2	Bushing, Shaft	
51	7017159	1	Bearing Kit (Includes Items 32 & 34)	
52	70000342	1	Seal Kit (Includes Items 20, 22, 24, 25, 27 & 31)	
53	7017142	1	Hardware Kit	
54	70001697	4	Screw 1/4 x 3/8 Grade 8	

FIGURE 4-9. JIB ROTATE ACTUATOR ASSEMBLY

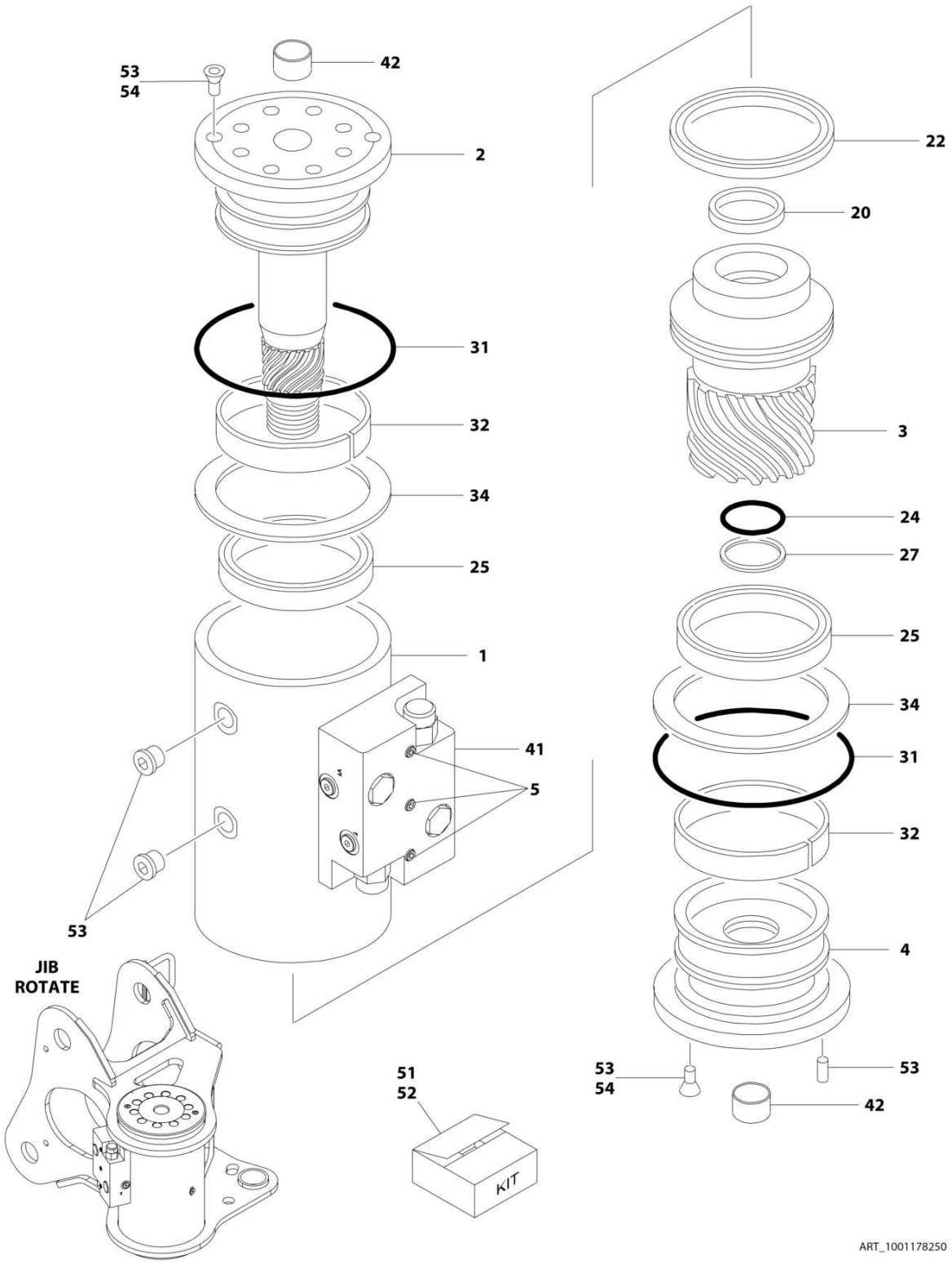
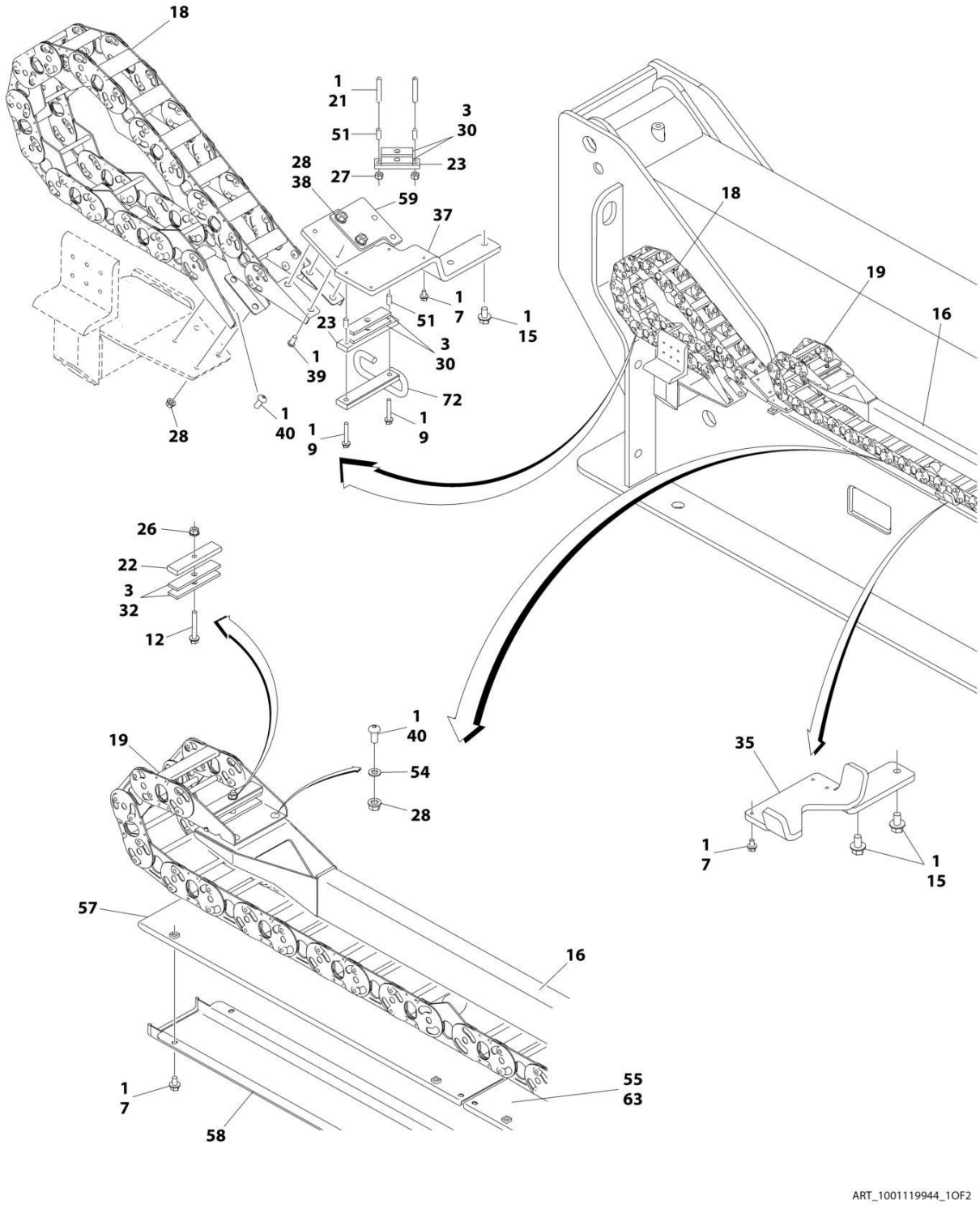


FIGURE 4-9. JIB ROTATE ACTUATOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178250	Ref	JIB ROTATE ACTUATOR ASSEMBLY	A
1	See Note	NSS	Case/Bracket Weldment (Note: Use p/n 1001178250)	
2	70002853	1	Shaft	
3	70002854	1	Sleeve, Piston	
4	70002855	1	Cap, End	
5	See Note	NSS	Capscrew 1/4 x 1-1/2 Grade 8 (Note: Not Available for Purchase)	
20	See Note	NSS	Seal, Rod (Note: Use Item 52)	
22	See Note	NSS	Seal, Piston (Note: Use Item 52)	
24	See Note	NSS	Seal, Cap (Note: Use Item 52)	
25	See Note	NSS	Packing, Bearing (Note: Use Item 52)	
27	See Note	NSS	Ring, Cap Back-up (Note: Use Item 52)	
31	See Note	NSS	Seal (Note: Use Item 52)	
32	See Note	NSS	Bearing, Shaft (Note: Use Item 51)	
34	See Note	NSS	Thrustwasher (Note: Use Item 51)	
41	70002859	NSS	Motion Control Valve Assembly (No Service Parts Available)	
42	See Note	NSS	Bushing, Shaft (Note: Not Available for Purchase)	
51	70002857	1	Bearing Kit (Includes Items 32 & 34)	
52	70005170	1	Seal Kit (Includes Items 20, 22, 24, 25, 27 & 31)	
53	70002858	1	Hardware Kit	
54	70001697	4	Screw 1/4 x 3/8 Grade 8	

FIGURE 4-10. POWER TRACK INSTALLATION



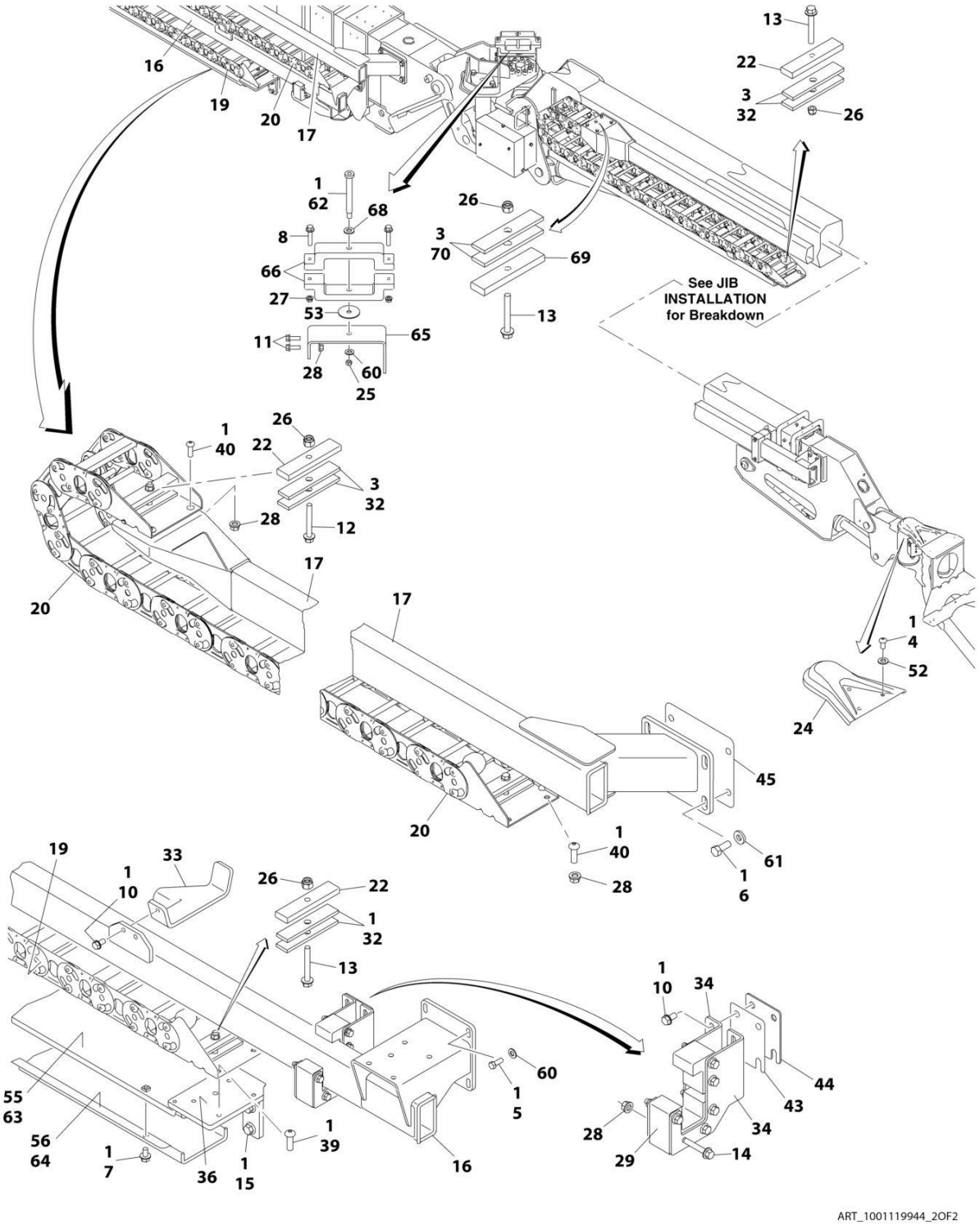
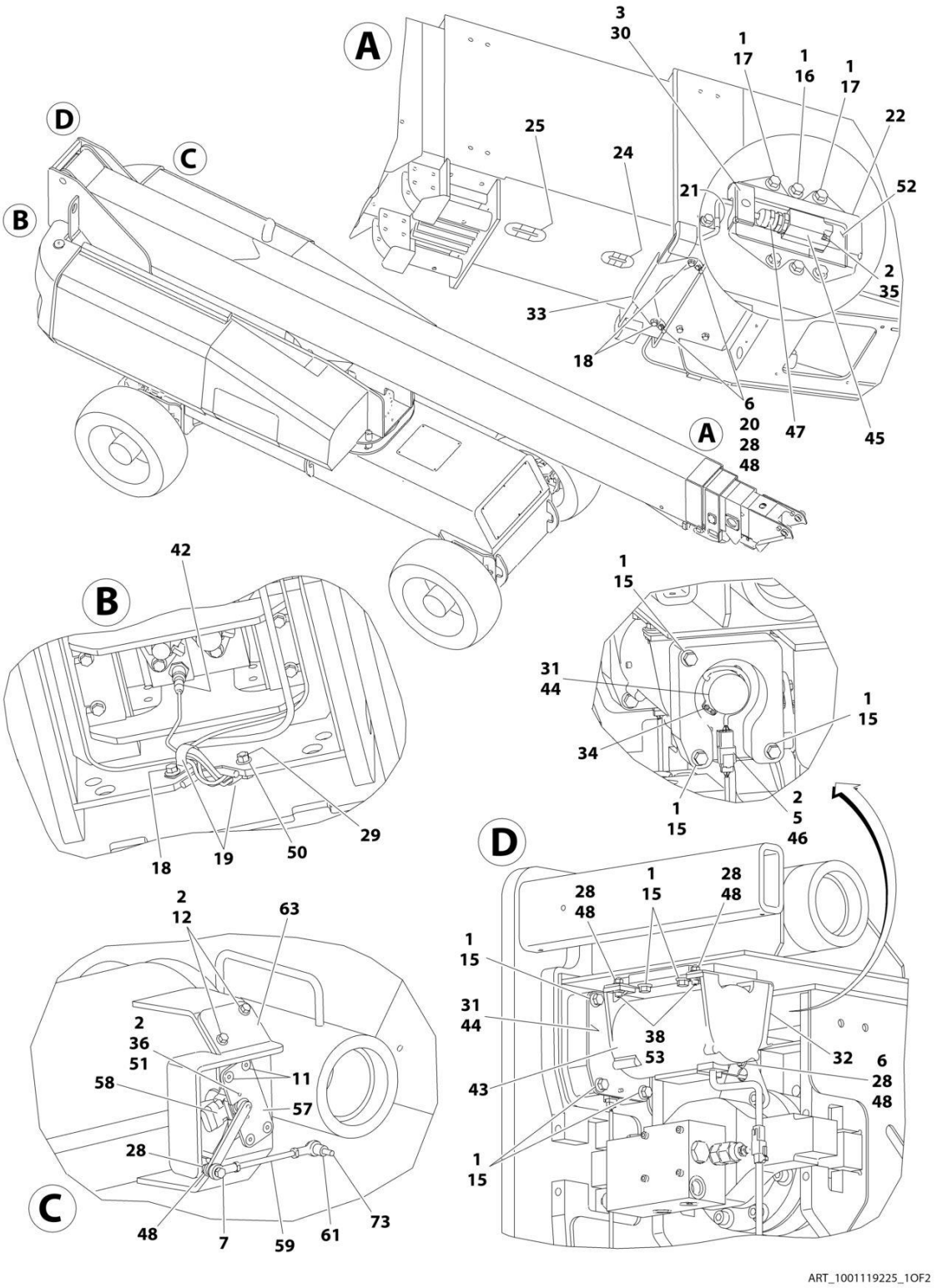

See JIB INSTALLATION for Breakdown
ART_1001119944_2OF2

FIGURE 4-10. POWER TRACK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119944	Ref	POWER TRACK INSTALLATION	K
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking (Not Shown)	
3	0100081	AR	Adhesive #454	
4	0630467	3	Screw 5/16 x 1/2 **(SN 0300209000 through 0300224867)**	
5	0641608	4	Bolt 3/8 x 1	
6	0641810	4	Bolt 1/2 x 1-1/4	
7	0791504	66	Screw 5/16 x 1/2	
8	0791516	2	Screw 5/16 x 2	
9	0791520	2	Setscrew 5/16 x 2-1/2	
10	0791607	10	Screw 3/8 x 7/8	
11	0791609	2	Screw 3/8 x 1-1/8	
12	0791620	2	Screw 3/8 x 2-1/2	
13	0791622	4	Screw 3/8 x 2-3/4	
14	0791624	6	Screw 3/8 x 3	
15	0791808	16	Screw 1/2 x 1	
16	1180362	1	Tube, Push (Lower)	
17	1180363	1	Tube, Push (Upper)	
18	1001131620	1	Carrier (T/T to Boom)	
18	70003917	AR	Section Repair Kit (Includes Inner and Outer Links, Joining Bars and Rollers and Assembling Hardware)	
18	70003918	1	Mounting Bracket Kit (Includes Mounting Brackets for Both Ends, 1 Roller Assembly and Assembling Hardware)	
19	1001131733	1	Carrier (Lower)	
19	70003913	AR	Section Repair Kit (Includes Inner and Outer Links, Joining Bars and Rollers and Assembling Hardware)	
19	70003915	1	Mounting Bracket Kit (Includes Mounting Brackets for Both Ends, 1 Roller Assembly and Assembling Hardware)	
19	70003914	AR	Center Bracket Kit (Includes 1 Flat Bar, 1 Round Bar, 1 Roller and Assembling Hardware)	
20	1001131728	1	Carrier (Upper)	
20	70003913	AR	Section Repair Kit (Includes Inner and Outer Links, Joining Bars and Rollers and Assembling Hardware)	
20	70003915	1	Mounting Bracket Kit (Includes Mounting Brackets for Both Ends, 1 Roller Assembly and Assembling Hardware)	
20	70003914	AR	Center Bracket Kit (Includes 1 Flat Bar, 1 Round Bar, 1 Roller and Assembling Hardware)	
21	3951522	2	Setscrew 5/16 x 2-3/4	
22	1320294	5	Clamp, Bar	
23	1320295	AR	Clamp, Bar	
24	1670964	1	Cover, Support/Rotator **(SN 0300209000 through 0300224867)**	
25	3271601	2	Nut 3/8 Grade 8	
26	3300492	6	Nut, Nylon Insert	
27	3311508	4	Nut 5/16	
28	3311608	AR	Nut 3/8	
29	3340925	1	Pad	
30	3340940	4	Pad, Rubber	
32	3340942	10	Pad, Rubber	
33	3573016	3	Support, Track	
34	3573179	2	Plate, Mounting	
35	3573181	6	Support, Track	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
36	3573194	1	Plate, Track Mounting	
37	3573210	1	Plate, Track Mounting	
38	3900232	2	Screw 3/8 x 1-1/4 **(SN 0300209000 through 0300247535)**	
39	3900283	AR	Screw 3/8 x 3/4	
40	3900316	16	Screw 3/8 x 1	
42	4060804	11 in /28cm	Shield, Flex Trim 3/16 (Not Shown)	
43	4071021	1	Shim, Adjusting 16Ga	
44	4071022	1	Shim, Adjusting 11Ga	
45	4071023	1	Shim, Adjusting 11Ga	
47	4240018	10	Tie-Strap (Not Shown)	
48	4240153	3	Strap, 4 Cinch (Not Shown)	
49	4240155	6	Strap, 8 Cinch (Not Shown)	
50	1001137263	1	Strap, 12 Cinch (Not Shown)	
51	4562516	AR	Tubing, Poly	
52	4711500	3	Washer 5/16 **(SN 0300209000 through 0300224867)**	
53	4740400	1	Washer, Special	
54	4751500	4	Washer 5/16	
55	4846423	5	Cover, Cable (Rear)	
56	4846429	5	Support, Cable (Rear)	
57	4846431	1	Cover, Cable (Front)	
58	4846485	1	Support, Cable (Front)	
59	4846753	1	Shield, Hose Protection **(SN 0300209000 through 0300247535)**	
60	4891600	5	Washer 3/8	
61	4891800	4	Washer 1/2	
62	8310235	1	Capscrew 3/8	
63	1001119521	1	Cover, Cable (Middle)	
64	1001119522	1	Support, Cable (Middle)	
65	1001120209	1	Bracket, Guide Block	
66	1001120257	2	Pad, Guide	
68	4711800	1	Washer 1/2	
69	1320298	1	Clamp, Bar	
70	3340939	2	Pad, Rubber	
71	1001137262	1	Strap, 4 Cinch (Not Shown)	
72	1001212790	1	Clamp **(SN 0300247536 through 0300272505)**	

FIGURE 4-11. BOOM SENSORS AND SWITCHES INSTALLATION



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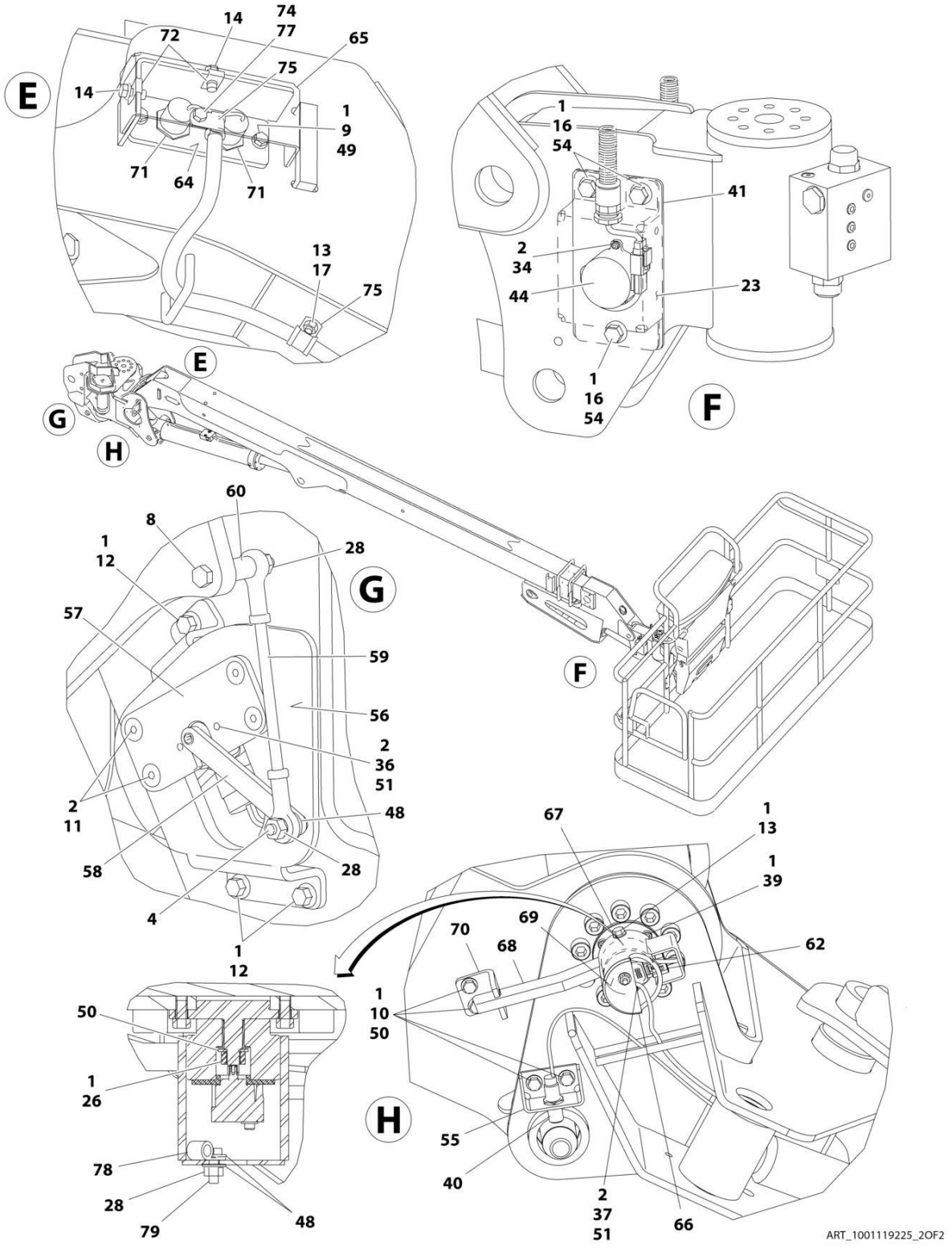
E
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36
51
2
11
48
58
28
4
1
12
50
1
26
78
28
79
48
67
1
13
1
39
69
70
68
62
1
10
50
55
40
2
37
51
66
ART_1001119225_2OF2

FIGURE 4-11. BOOM SENSORS AND SWITCHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119225	Ref	BOOM SENSORS AND SWITCHES INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0100035	AR	Compound, Locking	
3	0100081	AR	Adhesive	
4	0630357	1	Screw 1/4 x 1	
5	0630464	2	Screw #10 x 1/2	
6	0641405	3	Bolt 1/4 x 5/8	
7	0641408	1	Bolt 1/4 x 1	
8	0641418	1	Bolt 1/4 x 2-1/4	
9	0641508	2	Bolt 5/16 x 1	
10	0641607	4	Bolt 3/8 x 7/8	
11	0741404	8	Screw 1/4 x 1/2	
12	0791406	5	Screw 1/4 x 3/4	
13	0791505	3	Screw 5/16 x 5/8	
14	0791506	2	Screw 5/16 x 3/4	
15	0791604	8	Screw 3/8 x 1/2	
16	0791605	10	Screw 3/8 x 5/8	
17	0791606	4	Screw 3/8 x 3/4	
18	0791608	2	Screw 3/8 x 1	
19	1320130	2	Clamp, Hose	
20	1320136	2	Clamp, Hose	
21	1320301	1	Clamp, Cable	
22	1671031	1	Cover, Limit Switch	
23	1671044	2	Cover, Level Sensor	
24	1705366	1	Decal - Boom Length (500LB Cap)	
25	1705367	1	Decal - Boom Length (1000LB Cap)	
26	3281601	1	Nut 3/8 Grade 8	
28	3311405	11	Nut 1/4	
29	3311605	2	Nut 3/8	
30	3340941	1	Pad, Rubber	
31	3573301	2	Plate, Sensor Mounting	
32	3574431	1	Plate, Switch Mounting	
33	3574616	1	Plate, Boom Length	
34	3930606	12	Capscrew #6 x 3/8	
35	3930816	2	Capscrew #8 x 1	
36	3930820	4	Capscrew #8 x 1-1/4	
37	3930824	2	Capscrew #8 x 1-1/2	
38	3931414	4	Capscrew 1/4 x 7/8	
39	3931508	4	Capscrew 5/16 x 1/2	
40	4000008	1	Sensor, Proximity (Jib Lock) (Note: Control System must be recalibrated when Sensor is replaced)	
41	4341158	2	Plate, Mounting Sensor	
42	4360527	1	Switch, Proximity (Cable Break) (Note: Control System must be recalibrated when Switch is replaced)	
43	4360543	1	Sensor, String (Boom Length) (Note: Control System must be recalibrated when Sensor is replaced)	
44	1001147479	4	Sensor, Angle Indicator (Platform Level and Main Boom Angle) (Note: Control System must be recalibrated when Sensor is replaced)	
45	4360578	1	Switch, Limit (Boom Length) (Note: Control System must be recalibrated when Switch is replaced)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	4460914	2	Terminal, Base	
47	4460968	1	Connector, Strain Relief	
48	4711400	15	Washer 1/4	
49	4711500	2	Washer 5/16	
50	4711600	7	Washer 3/8	
51	4750800	6	Washer 1/4	
52	4846484	1	Mount, Switch	
53	4891400	4	Washer 1/4	
54	8310070	6	Pushnut 3/8	
55	1001118373	1	Bracket, Sensor Mounting	
56	1001118930	1	Cover, Sensor	
57	1001118931	2	Mount, Sensor	
58	1001118971	2	Sensor, Angle Indicator (Main Boom Protractor) (Note: Control System must be recalibrated when Sensor is replaced)	
58	70005667	1	Arm (1 Per Sensor)	
59	1001119033	2	Link, Sensor	
60	1001119137	1	Sleeve, Spacer	
61	1001119141	1	Sleeve, Spacer	
62	1001135479	1	Sensor, Angle Indicator (Jib Rotate) (Note: Control System must be recalibrated when Sensor is replaced)	
63	1001119729	1	Cover, Sensor	
64	1001120028	1	Mount, Sensor	
65	1001120048	1	Cover, Sensor	
66	1001179510	1	Cover, Sensor	
67	1001135483	1	Pin, Angle Sensor	
68	1001120076	1	Mount, Sensor	
69	1001135484	1	Adapter	
70	1001120084	1	Bracket	
71	1001120104	2	Switch, Proximity (Jib Telescope) (Note: Control System must be recalibrated when Switch is replaced)	
72	88662530	2	Nut, Retainer	
73	0641412	1	Bolt 1/4 x 1-1/2	
74	0641504	1	Bolt 5/16 x 1/2	
75	1320061	2	Clamp, Cable	
77	3311505	2	Nut 5/16	
78	1321293	1	Clamp	
79	0641406	1	Bolt 1/4 x 3/4	

FIGURE 4-12. VALVES (BOOM MOUNTED) INSTALLATION (ANSI, CSA AND JAPANESE SPECS)

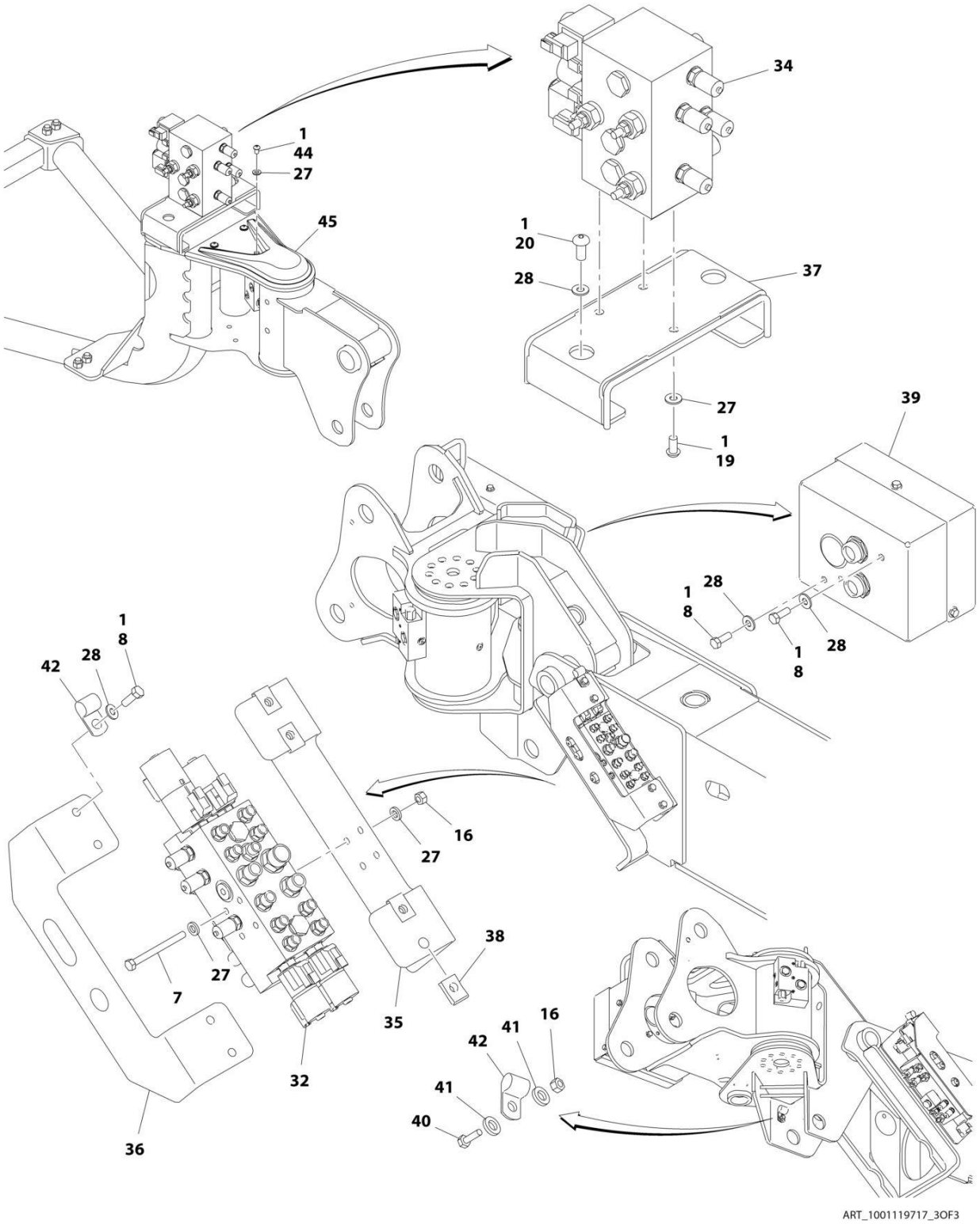

FIGURE 4-12. VALVES (BOOM MOUNTED) INSTALLATION (ANSI, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119717	Ref	VALVES (BOOM MOUNTED) INSTALLATION (ANSI, CSA AND JAPANESE SPECS)	G
1	0100011	AR	Compound, Locking	
7	0641538	4	Bolt 5/16 x 4-3/4	
8	0641608	6	Bolt 3/8 x 1	
16	3311505	9	Nut 5/16	
19	3900210	3	Screw 5/16 x 3/4	
20	3900283	3	Screw 3/8 x 3/4	
27	4711500	AR	Washer 5/16	
28	4711600	8	Washer 3/8	
32	1001118286	1	Jib Valve Assembly (See JIB VALVE ASSEMBLY for Breakdown)	
34	1001119702	1	Platform Valve Assembly (See PLATFORM VALVE ASSEMBLY for Breakdown)	
35	1001119703	1	Plate, Valve Mounting	
36	1001119704	1	Plate, Valve Protection	
37	1001119706	1	Plate, Valve Mounting	
38	88662523	4	Nut, Retainer	
39	1001119212	1	Enclosure Box Assembly (See ENCLOSURE BOX ASSEMBLY for Breakdown)	
40	0641508	1	Bolt 5/16 x 1	
41	4751500	1	Washer 5/16	
42	8406105	2	Clamp	
44	0630467	3	Screw 5/16 x 1/2 **(SN 0300224868 through 0300272505)**	
45	1670964	1	Cover **(SN 0300224868 through 0300272505)**	

FIGURE 4-13. VALVES (BOOM MOUNTED) INSTALLATION (WITH 1 CELL LSS) (CE AND AUSTRALIAN SPECS)

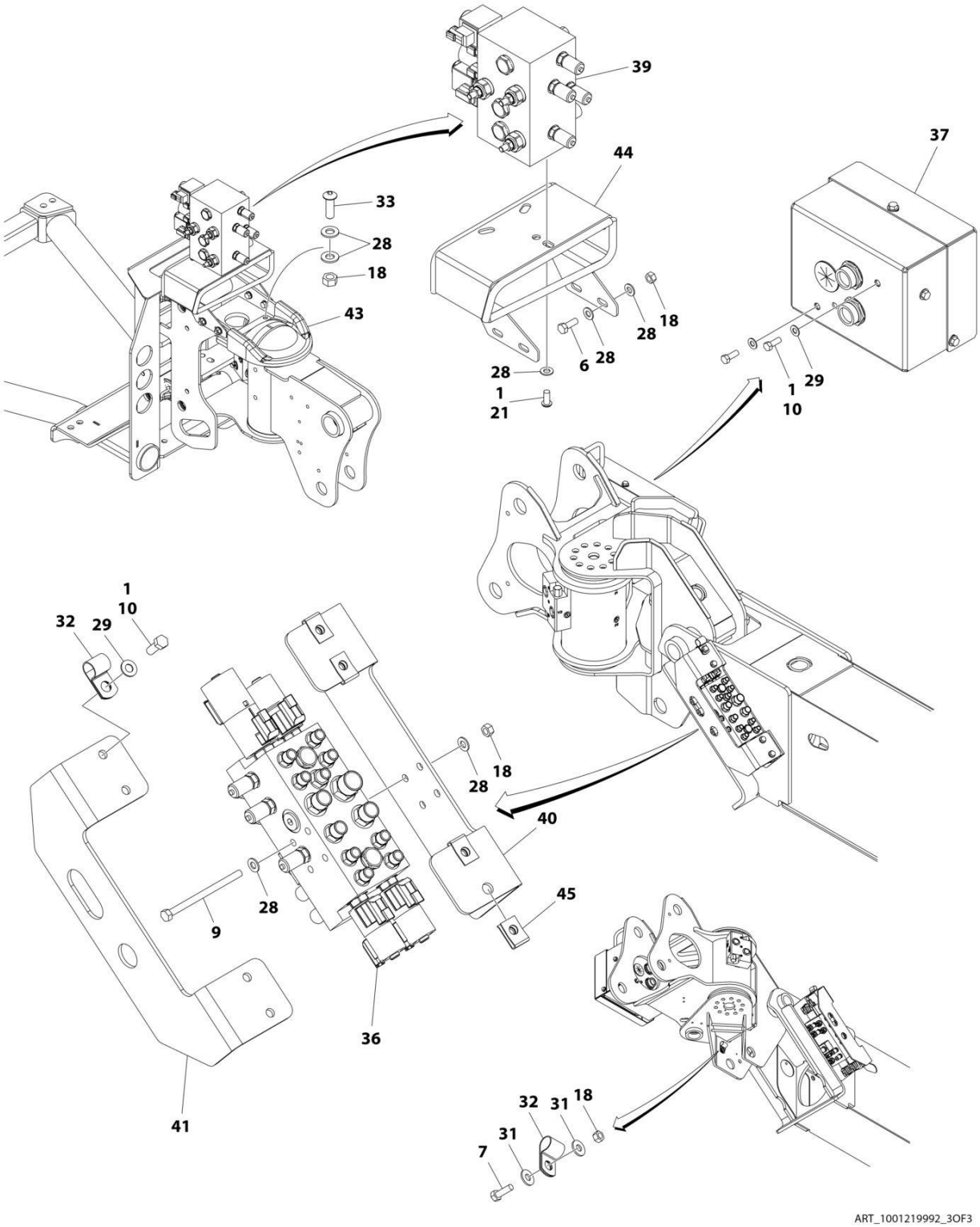

FIGURE 4-13. VALVES (BOOM MOUNTED) INSTALLATION (WITH 1 CELL LSS) (CE AND AUSTRALIAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219992	Ref	VALVES (BOOM MOUNTED) INSTALLATION (WITH 1 CELL LSS) (CE AND AUSTRALIAN SPECS)	A
1	0100011	AR	Compound, Locking	
6	0641507	4	Bolt 5/16 x 7/8	
7	0641508	1	Bolt 5/16 x 1	
9	0641538	4	Bolt 5/16 x 3/4	
10	0641608	20	Bolt 3/8 x 1	
18	3311505	15	Nut 5/16	
21	3900210	3	Screw 5/16 x 3/4	
28	4711500	43	Washer 5/16	
29	4711600	24	Washer 3/8	
31	4751500	2	Washer 5/16	
32	8406105	2	Clamp	
33	88261024	2	Screw 5/16 x 1	
36	1001118286	1	Jib Valve Assembly (See JIB VALVE ASSEMBLY for Breakdown)	
37	1001119212	1	Enclosure Box Assembly (See ENCLOSURE BOX ASSEMBLY for Breakdown)	
39	1001119702	1	Platform Valve Assembly (See PLATFORM VALVE ASSEMBLY for Breakdown)	
40	1001119703	1	Plate, Valve Mounting	
41	1001119704	1	Plate, Valve Protection	
43	1001207969	1	Cover	
44	1001208994	1	Mount, Valve	
45	88662523	4	Nut	

FIGURE 4-14. PLATFORM VALVE ASSEMBLY

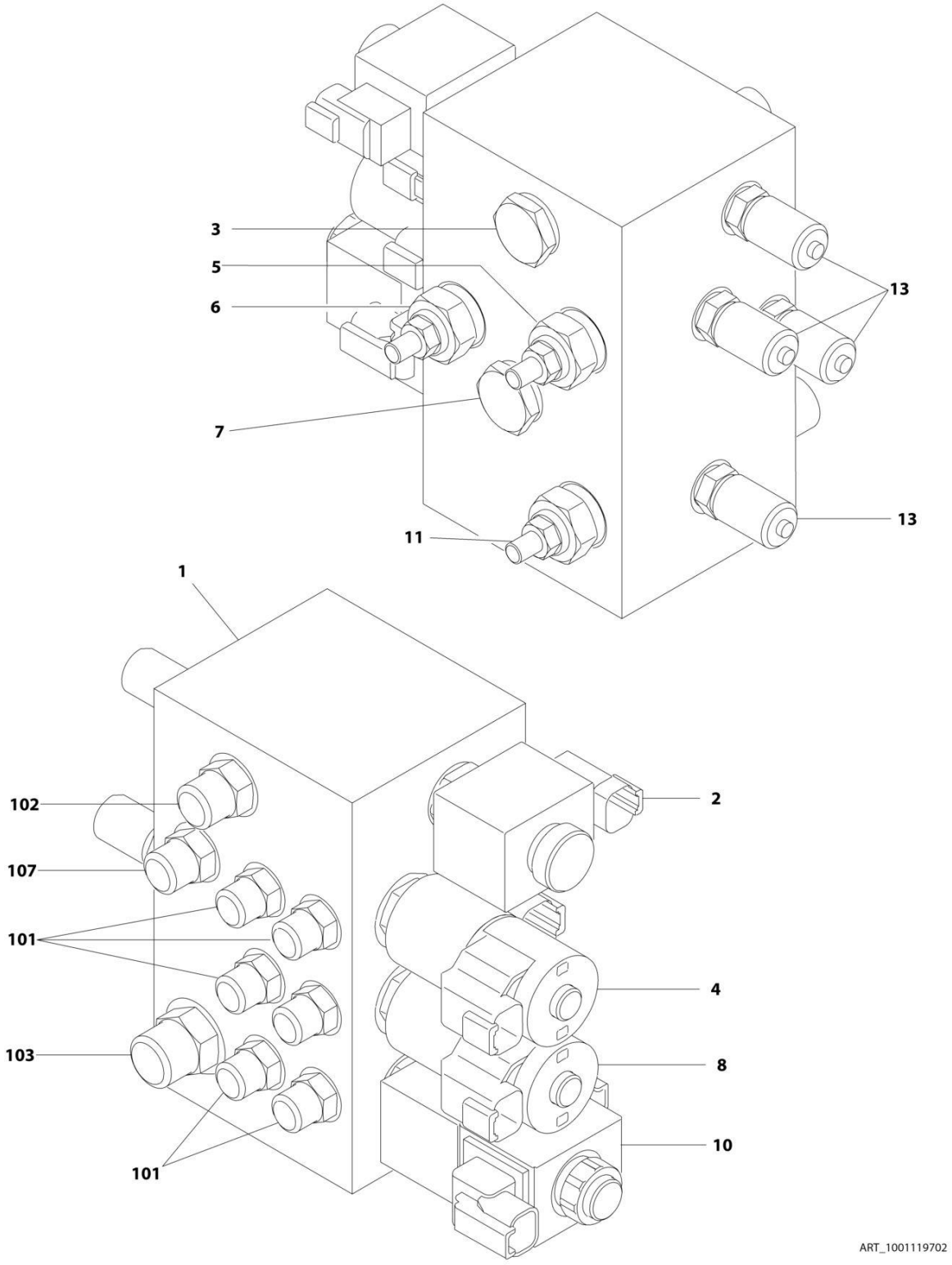

FIGURE 4-14. PLATFORM VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119702	Ref	PLATFORM VALVE ASSEMBLY	E
		Ref	Cartridges:	
1	See Note	NSS	Block, Valve (Note: Not Available for Purchase)	
2	70003025	1	Valve, Cartridge (Valve Inlet)	
2	70004050	1	Seal Kit - 70003025 Cartridge	
2	70004051	1	Nut, Coil	
2	70003026	1	Coil	
3	70003021	1	Valve, Cartridge (Valve Inlet)	
3	70004052	1	Seal Kit - 70003021 Cartridge	
4	7024899	1	Valve, Cartridge (Platform Level)	
4	7017402	1	Seal Kit - 7024899 Cartridge	
4	7022390	1	Nut, Coil	
4	70003023	1	Spacer, Coil	
4	7024885	2	Coil	
5	70003019	1	Valve, Cartridge (Platform Level)	
5	70004052	1	Seal Kit - 70003019 Cartridge	
6	70003019	1	Valve, Cartridge (Platform Level)	
6	70004052	1	Seal Kit - 70003019 Cartridge	
7	70003027	1	Valve, Cartridge (Platform Rotate)	
7	70004052	1	Seal Kit - 70003027 Cartridge	
8	7024899	1	Valve, Cartridge (Platform Rotate)	
8	7017402	1	Seal Kit - 7024899 Cartridge	
8	7022390	1	Nut, Coil	
8	70003023	1	Spacer, Coil	
8	7024885	2	Coil	
10	70003028	1	Valve, Cartridge (Jib Lock Pin)	
10	70004053	1	Seal Kit - 70003028 Cartridge	
10	70004054	1	Nut, Coil	
10	70003026	2	Coil	
11	70003019	1	Valve, Cartridge (Jib Lock Pin)	
11	70004052	1	Seal Kit - 70003019 Cartridge	
13	2221086	4	Check, Pressure	
		Ref	Fittings:	
101	2110404	6	Fitting, Straight ORFS/ORB	
102	2110606	1	Fitting, Straight ORFS/ORB	
103	2110808	1	Fitting, Straight ORFS/ORB	
107	2110406	1	Fitting, Straight ORFS/ORB	

FIGURE 4-15. JIB VALVE ASSEMBLY

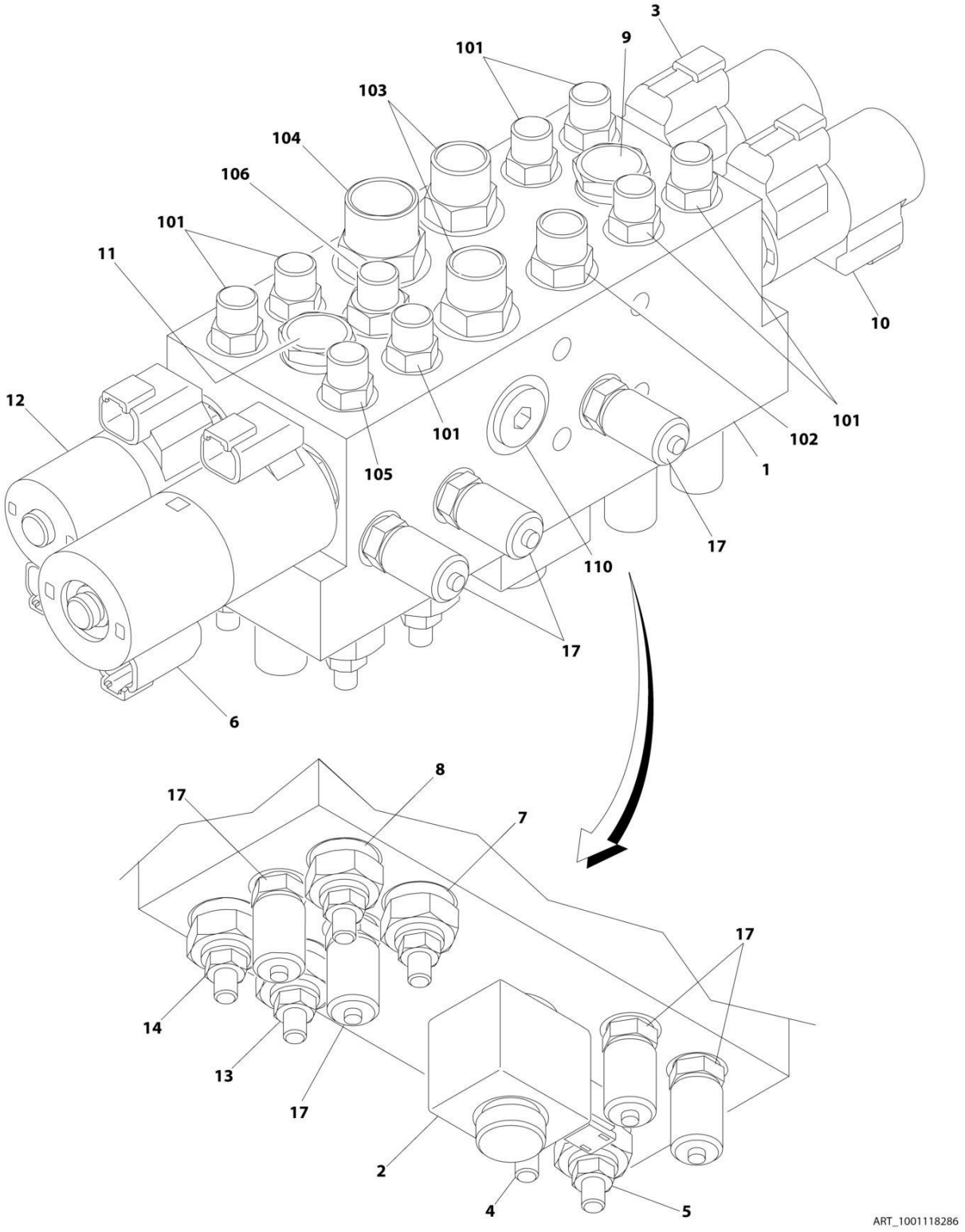

FIGURE 4-15. JIB VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118286	Ref	JIB VALVE ASSEMBLY	D
		Ref	Cartridges:	
1	See Note	1	Block, Valve (Note: Not Available for Purchase)	
2	70003017	1	Valve, Cartridge (Valve Inlet)	
2	70004055	1	Seal Kit - 70003017 Cartridge	
2	70004051	1	Nut, Coil	
2	70022147	1	Coil	
3	7023922	1	Valve, Cartridge (Jib Level)	
3	7017402	1	Seal Kit - 7023922 Cartridge	
3	7022390	1	Nut, Coil	
3	70003023	1	Spacer, Coil	
3	7024885	2	Coil	
4	70003019	1	Valve, Cartridge (Jib Level)	
4	70004052	1	Seal Kit - 70003019 Cartridge	
5	70003019	1	Valve, Cartridge (Jib Level)	
5	70004052	1	Seal Kit - 70003019 Cartridge	
6	70003022	1	Valve, Cartridge (Jib Tele)	
6	7012903	1	Seal Kit - 70003022 Cartridge	
6	7022390	1	Nut, Coil	
6	70003024	1	Spacer, Coil	
6	7024883	2	Coil	
7	70003019	1	Valve, Cartridge (Jib Tele)	
7	70004052	1	Seal Kit - 70003019 Cartridge	
8	70003019	1	Valve, Cartridge (Jib Tele)	
8	70004052	1	Seal Kit - 70003019 Cartridge	
9	70003020	1	Valve, Cartridge (Jib Swing)	
9	70004052	1	Seal Kit - 70003020 Cartridge	
10	7024899	1	Valve, Cartridge (Jib Swing)	
10	7017402	1	Seal Kit - 7024899 Cartridge	
10	7022390	1	Nut, Coil	
10	70003023	1	Spacer, Coil	
10	7024885	2	Coil	
11	70003021	1	Valve, Cartridge (Jib Lift)	
11	70004052	1	Seal Kit - 70003021 Cartridge	
12	7023922	1	Valve, Cartridge (Jib Lift)	
12	7017402	1	Seal Kit - 7023922 Cartridge	
12	7022390	1	Nut, Coil	
12	70003023	1	Spacer, Coil	
12	7024885	2	Coil	
13	70003019	1	Valve, Cartridge (Jib Lift)	
13	70004052	1	Seal Kit - 70003019 Cartridge	
14	70003019	1	Valve, Cartridge (Jib Lift)	
14	70004052	1	Seal Kit - 70003019 Cartridge	
17	2221086	7	Check, Pressure	
		Ref	Fittings:	
101	2110404	7	Fitting, Straight ORFS/ORB	
102	2110606	1	Fitting, Straight ORFS/ORB	
103	2110808	2	Fitting, Straight ORFS/ORB	
104	2111010	1	Fitting, Straight ORFS/ORB	
105	2110604	1	Fitting, Straight ORFS/ORB	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106	2110406	1	Fitting, Straight ORFS/ORB	
110	70002759	1	Plug	

FIGURE 4-16. ENCLOSURE BOX ASSEMBLY

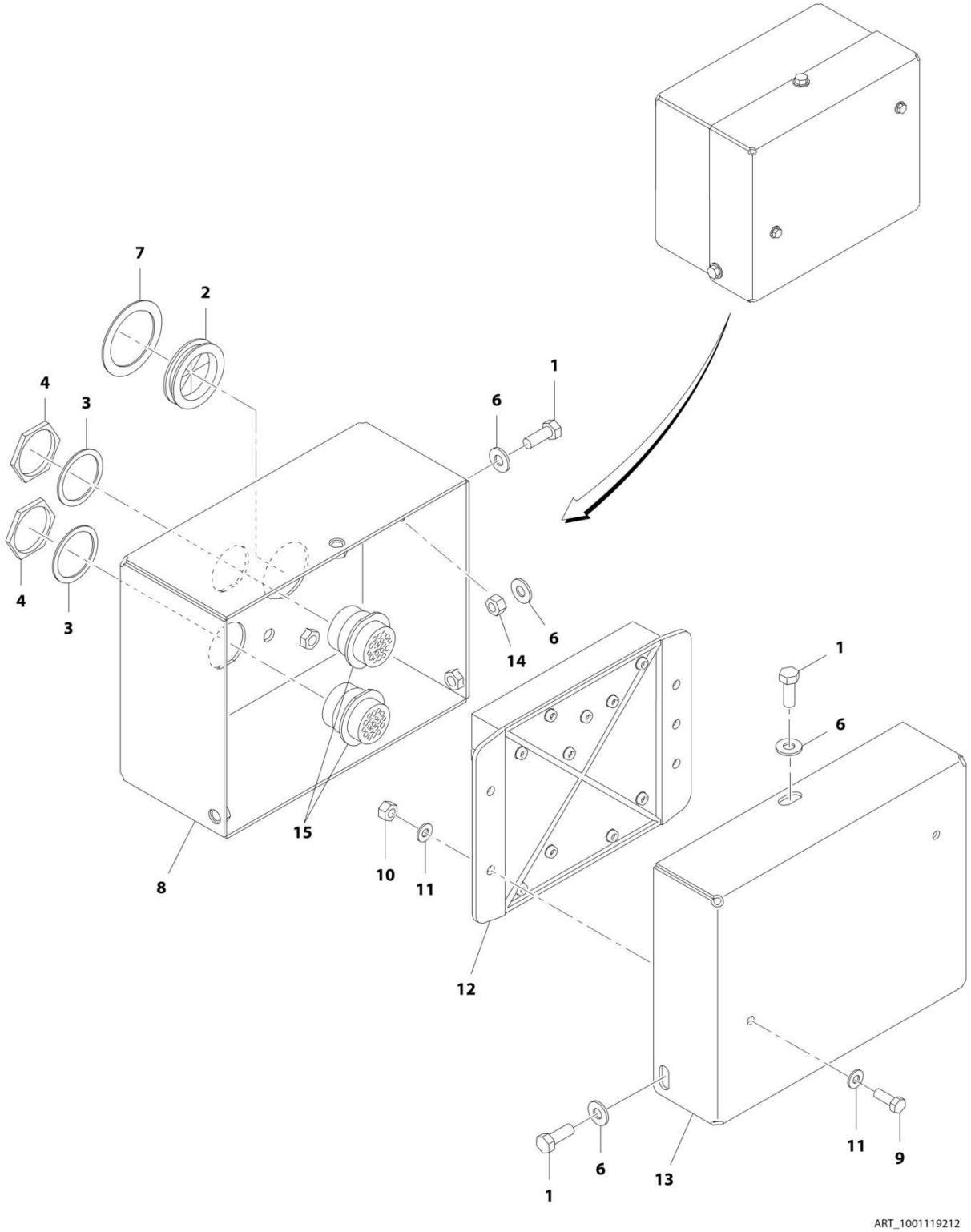

FIGURE 4-16. ENCLOSURE BOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119212	Ref	ENCLOSURE BOX ASSEMBLY	D
1	0641608	5	Bolt 3/8 x 1	
2	2540045	1	Grommet	
3	4460470	2	Washer, Terminal	
4	4460971	2	Nut, Terminal	
6	4711600	7	Washer 3/8	
7	1001119211	1	Washer, Grommet	
8	1001119214	1	Box Assembly	
9	0641406	2	Bolt 1/4 x 3/4	
10	3311405	2	Nut 1/4	
11	4711400	4	Washer 1/4	
12	1001119262	1	Module, Jib Control (Note: Control System must be recalibrated when replaced)	
13	1001119215	1	Cover	
14	3311605	2	Nut 3/8	
15	1001119392	1	Harness, Jib Valve (See ELECTRICAL SECTION for Breakdown)	

FIGURE 4-17. PLATFORM SUPPORT INSTALLATION - WITHOUT LSS

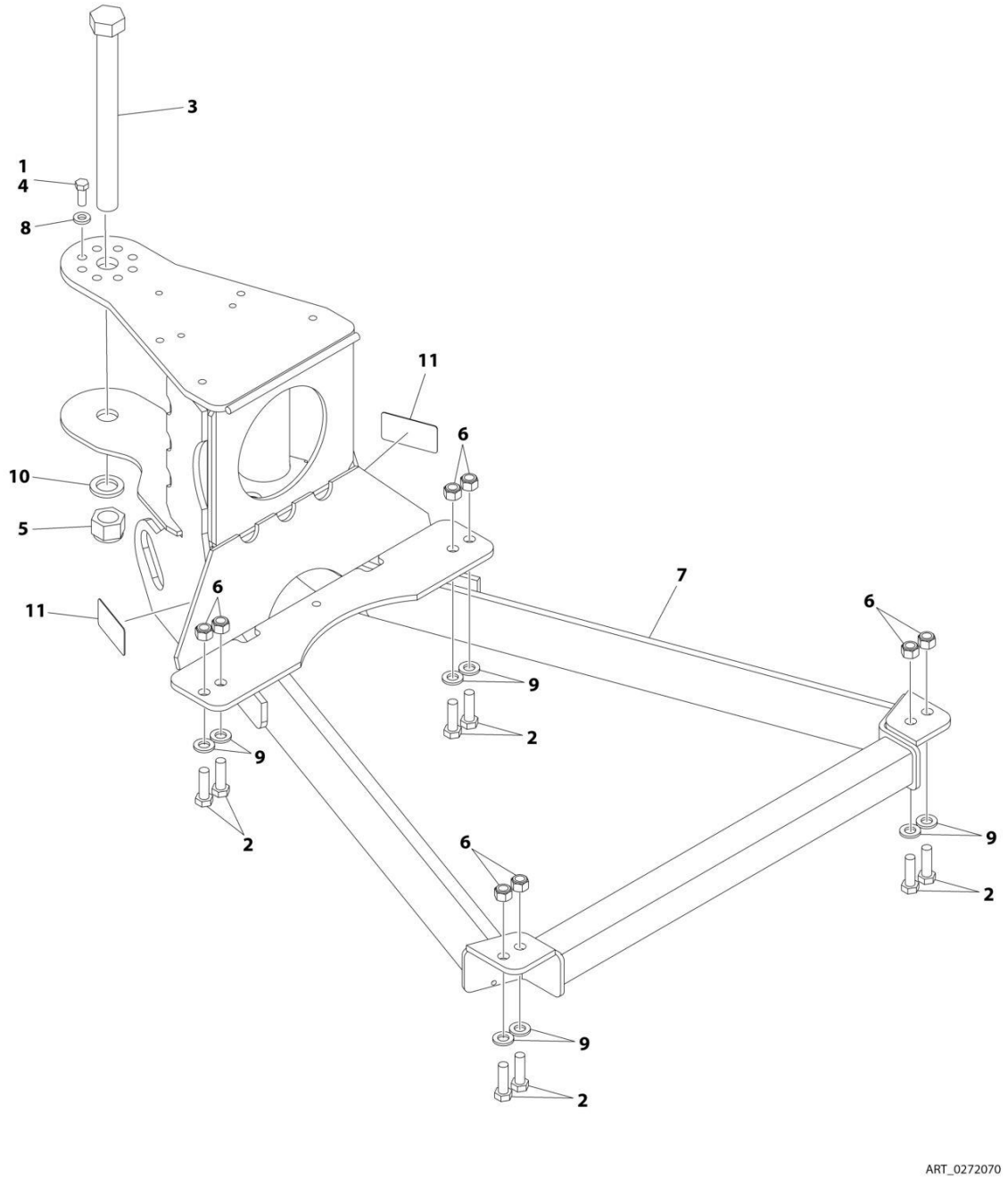

FIGURE 4-17. PLATFORM SUPPORT INSTALLATION - WITHOUT LSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272070	Ref	PLATFORM SUPPORT INSTALLATION - WITHOUT LSS	I
	See Note	Ref	Machines without Load Sensing and with SkyGlazier (Note: For Replacement Parts, Contact JLG Customer Service and Request Manual p/n 3124242)	
1	0100011	AR	Compound, Locking	
2	0641812	8	Bolt 1/2 x 1-1/2	
2	0761216	8	Bolt M12 x 40	
3	0642684	1	Bolt 1 x 10-1/4	
4	0681608	8	Bolt 3/8 x 1 Grade 8	
5	3300243	1	Nut 1	
6	3311805	8	Nut 1/2	
6	3291205	8	Nut M12	
7	4846573	1	Support Weldment	
8	4891600	8	Washer 3/8	
9	4891800	8	Washer 1/2	
9	5241200	8	Washer M12	
10	4892600	1	Washer 1	
11	1001216630	2	Decal - Tie Down/No Lift **(SN 0300224754 through 0300272505)**	

FIGURE 4-18. PLATFORM SUPPORT INSTALLATION - WITH 4 CELL LSS

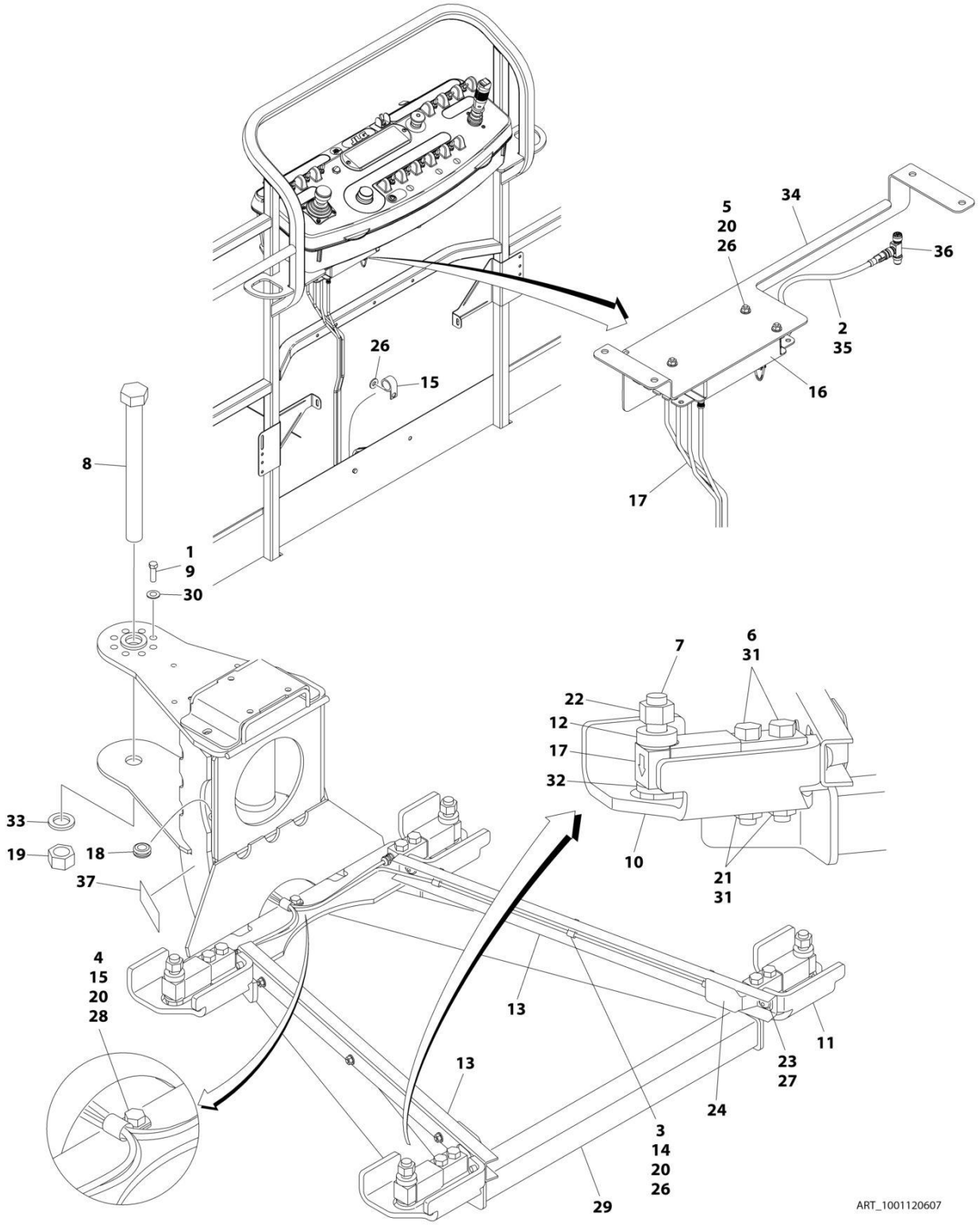

FIGURE 4-18. PLATFORM SUPPORT INSTALLATION - WITH 4 CELL LSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120607	Ref	PLATFORM SUPPORT INSTALLATION - WITH 4 CELL LSS **(SN 0300209000 through 0300234293)**	E
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0641405	6	Bolt 1/4 x 5/8	
4	0641407	1	Bolt 1/4 x 7/8	
5	0641416	3	Bolt 1/4 x 2	
6	0641822	8	Bolt 1/2 x 2-3/4	
7	0642024	4	Bolt 5/8 x 3	
8	0642684	1	Bolt 1 x 10-1/2	
9	0681608	8	Bolt 3/8 x 1 Grade 8	
10	0902919	2	Bracket, Cell Guard	
11	0902920	2	Bracket, Cell Guard	
12	0962450	4	Bushing, Spacer	
13	1271538	2	Channel	
14	1320136	6	Clamp	
15	1320224	2	Clamp	
16	1600387	1	Module, Control - LSS (Note: Re-calibration Required When Replaced)	
17	2420202	4	Cell, Load (Includes Cable)	
18	2540038	1	Grommet	
19	3272605	1	Nut 1 Grade 8	
20	3311405	10	Nut 1/4	
21	3311805	8	Nut 1/2	
22	3312005	4	Nut 5/8	
23	3900283	4	Screw 3/8 x 3/4	
24	4061054	2	Shield	
25	4240033	AR	Tie-Strap (Not Shown)	
26	4711400	13	Washer 1/4	
27	4711600	4	Washer 3/8	
28	4751400	1	Washer 1/4	
29	4846573	1	Support, Platform	
30	4891600	8	Washer 3/8	
31	4891800	8	Washer 1/2	
32	4892000	4	Washer 5/8	
33	4892600	1	Washer 1	
34	1001113483	1	Bracket, Module Mount	
35	1001120608	1	LSS Harness	
35	1001120631	1	Connector, M12 Male Cordset	
35	4460836	1	Connector - 12 Position (Black) (J2)	
35	4460944	3	Socket, Female	
35	4460466	9	Plug, Terminal	
35	4460933	1	Connector - 12 Position (Grey) (J1)	
35	4460465	2	Socket, Female	
35	4460466	10	Plug, Terminal	
36	1001108122	1	Connector, M12 Tee Adapter	
37	1001216630	2	Decal - Tie Down/No Lift	

FIGURE 4-19. PLATFORM SUPPORT INSTALLATION - WITH 1 CELL LSS

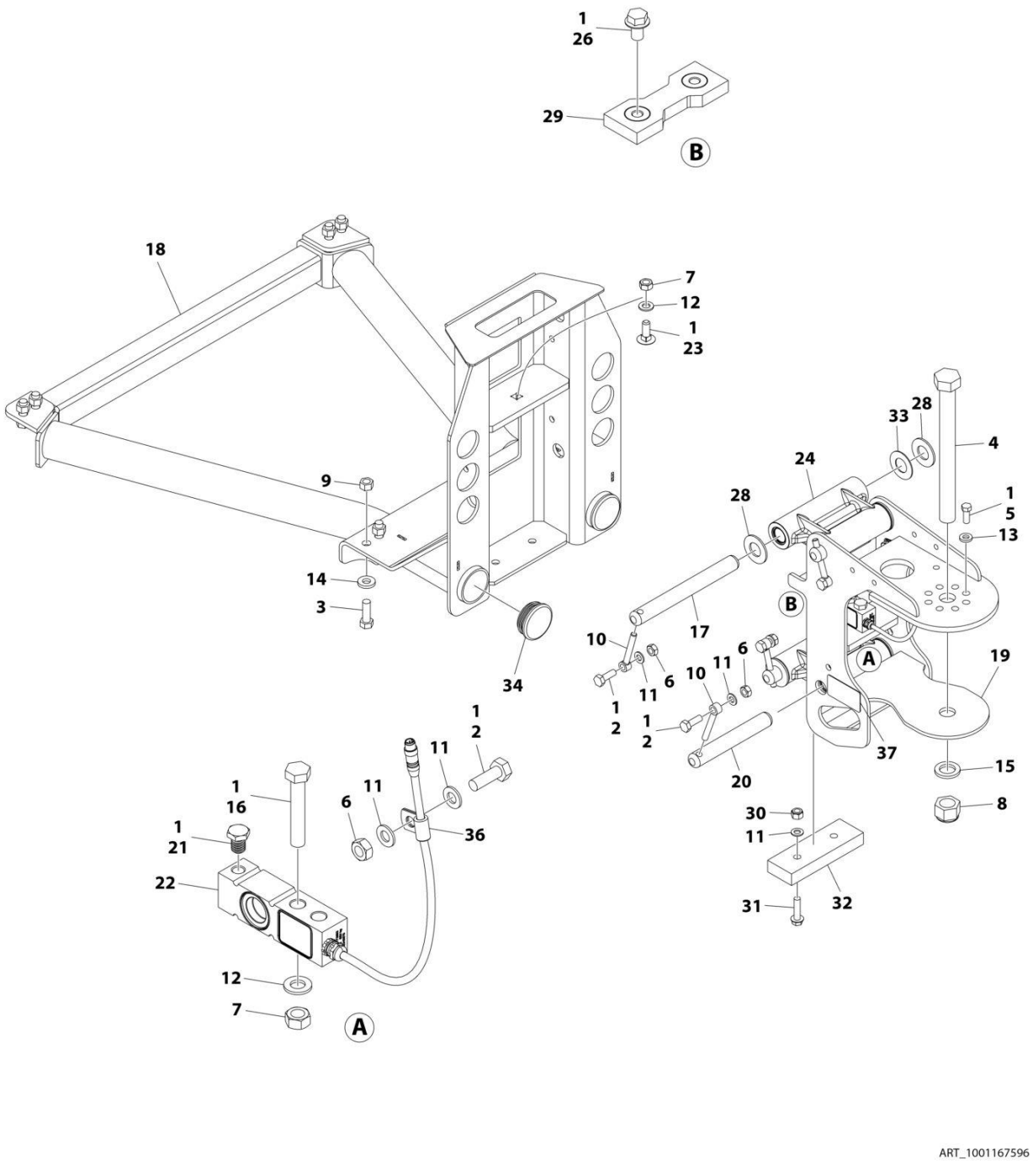

FIGURE 4-19. PLATFORM SUPPORT INSTALLATION - WITH 1 CELL LSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167596	Ref	PLATFORM SUPPORT INSTALLATION - WITH 1 CELL LSS	J
1	0100011	AR	Compound, Locking	
2	0761014	5	Bolt M10 x 30	
3	0641812	8	Bolt 1/2 x 1-1/2	
3	0761216	8	Bolt M12 x 40	
4	0642684	1	Bolt 1 x 10-1/2	
5	0681608	8	Bolt 3/8 x 1	
6	3291001	5	Nut M10	
7	3291201	3	Nut M12	
8	3300243	1	Nut 1	
9	3311805	8	Nut 1/2	
9	3291205	8	Nut M12	
10	3841143	1	Keeper, Pin	
11	4812000	8	Washer M10	
12	4812100	3	Washer M12	
13	4891600	8	Washer 3/8	
14	4891800	8	Washer 1/2	
14	5241200	8	Washer M12	
15	4892600	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	1001172663	1	Gauge, Load Sensing	
23	1001188844	1	Bolt M12 x 35	
24	1001201351	2	Link, LSS Assembly	
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	

SECTION 5 - PLATFORM

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

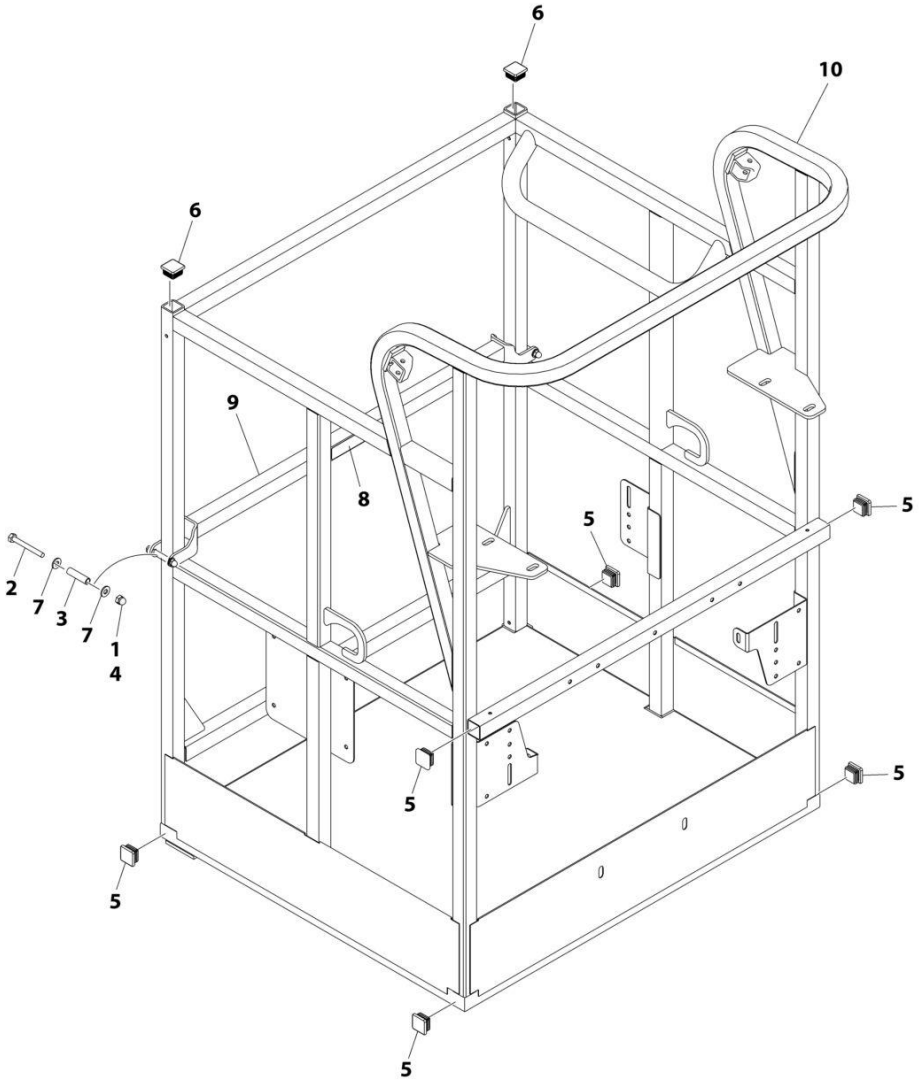

FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 3FT (76CM X .91M) - DROP BAR ENTRY

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

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

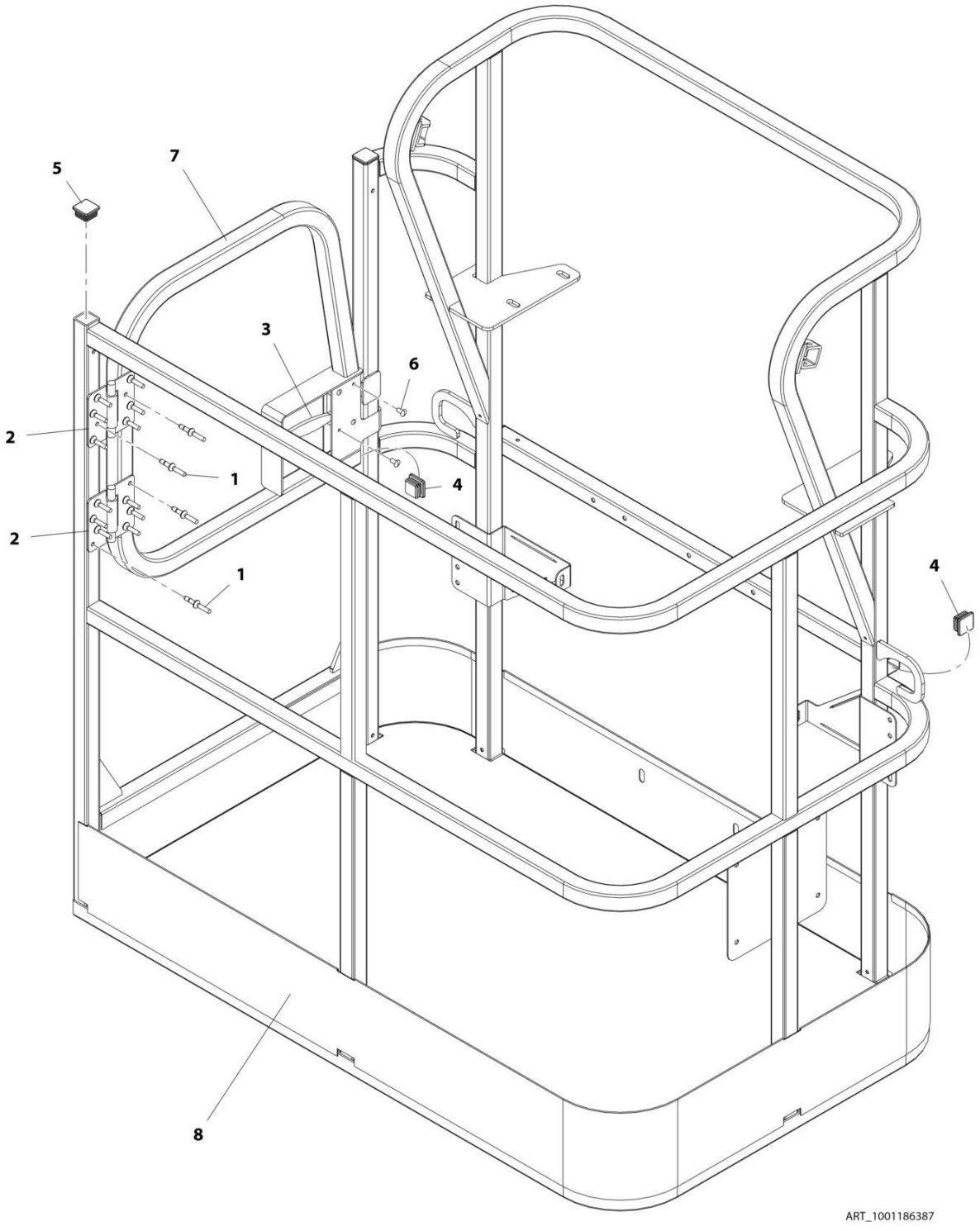

FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) - SIDE GATE ENTRY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186387	Ref	PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) - SIDE GATE ENTRY	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.	
		Ref	Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge, Self-Closing	
3	2940074	1	Latch	
4	3520072	3	Cap, Plug	
5	3520198	2	Cap, Plug	
6	3820020	4	Rivet	
7	1001144629	1	Gate, Weldment	
8	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

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

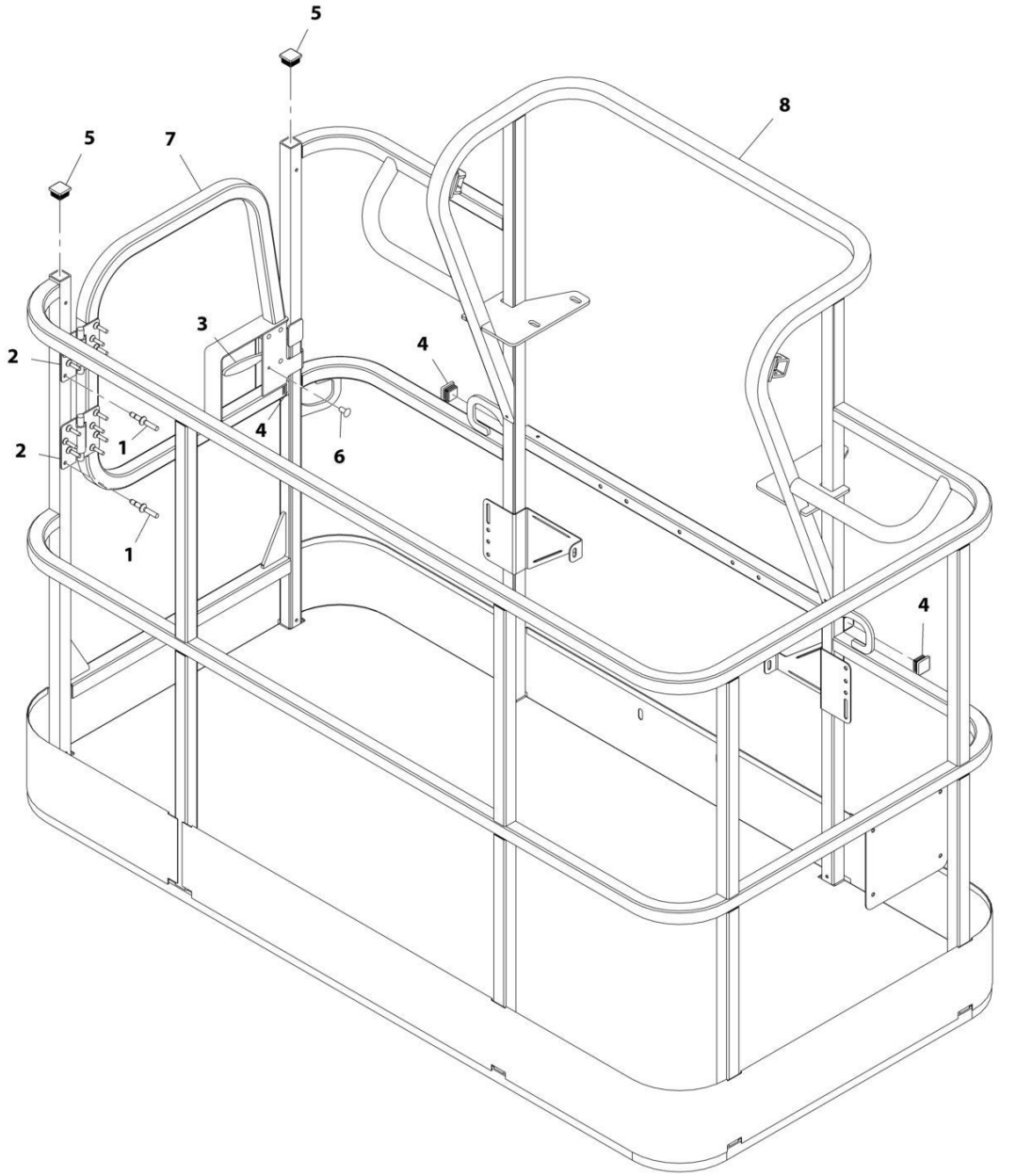

FIGURE 5-3. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186384	Ref	PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE	C
		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.	
		Ref	Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge, Self-Closing	
3	2940074	1	Latch	
4	3520072	3	Cap, Plug	
5	3520198	2	Cap, Plug	
6	3820020	4	Rivet	
7	1001144629	1	Gate, Weldment	
8	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

SECTION 5 - PLATFORM

FIGURE 5-4. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

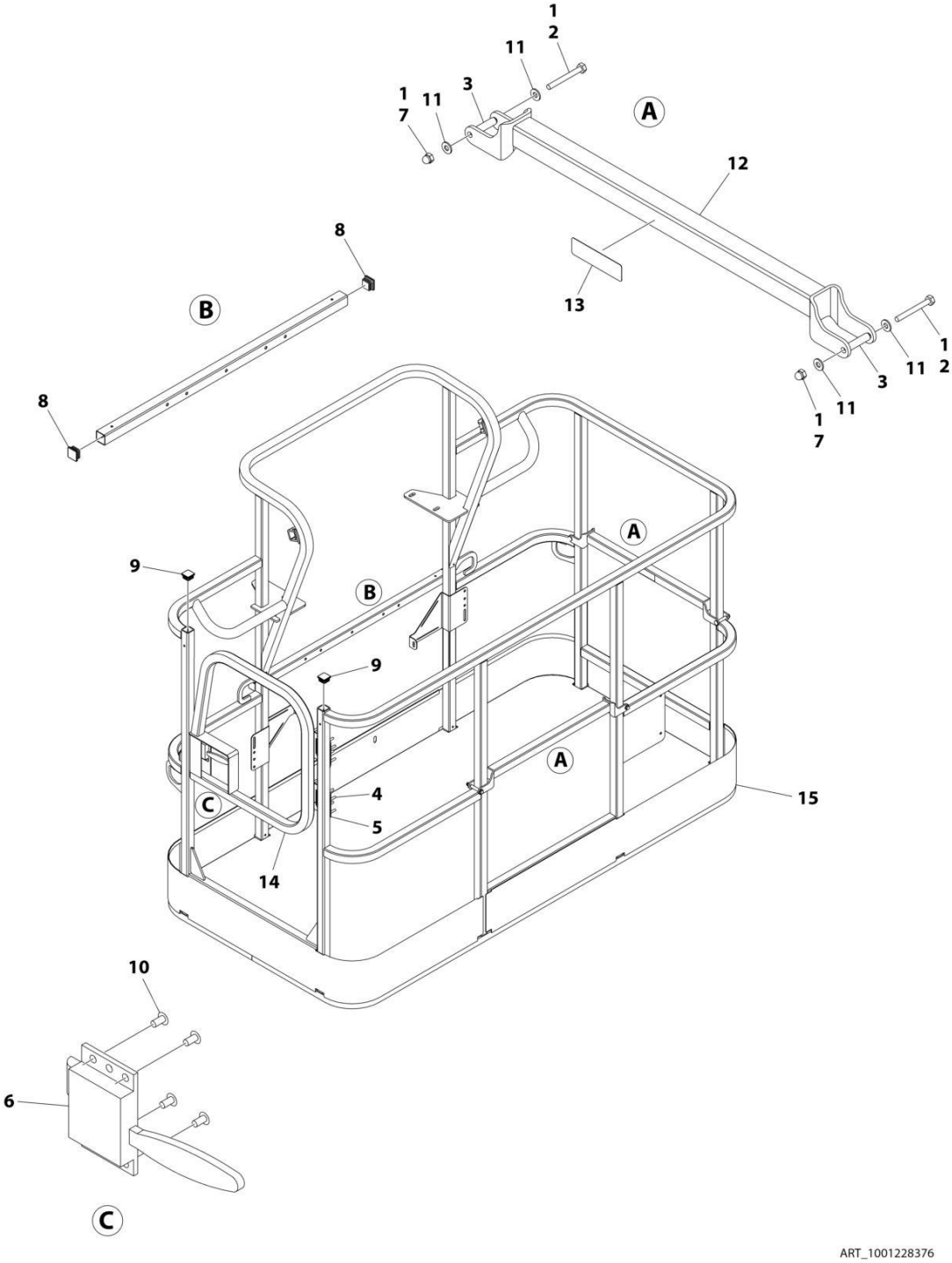

FIGURE 5-4. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

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

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

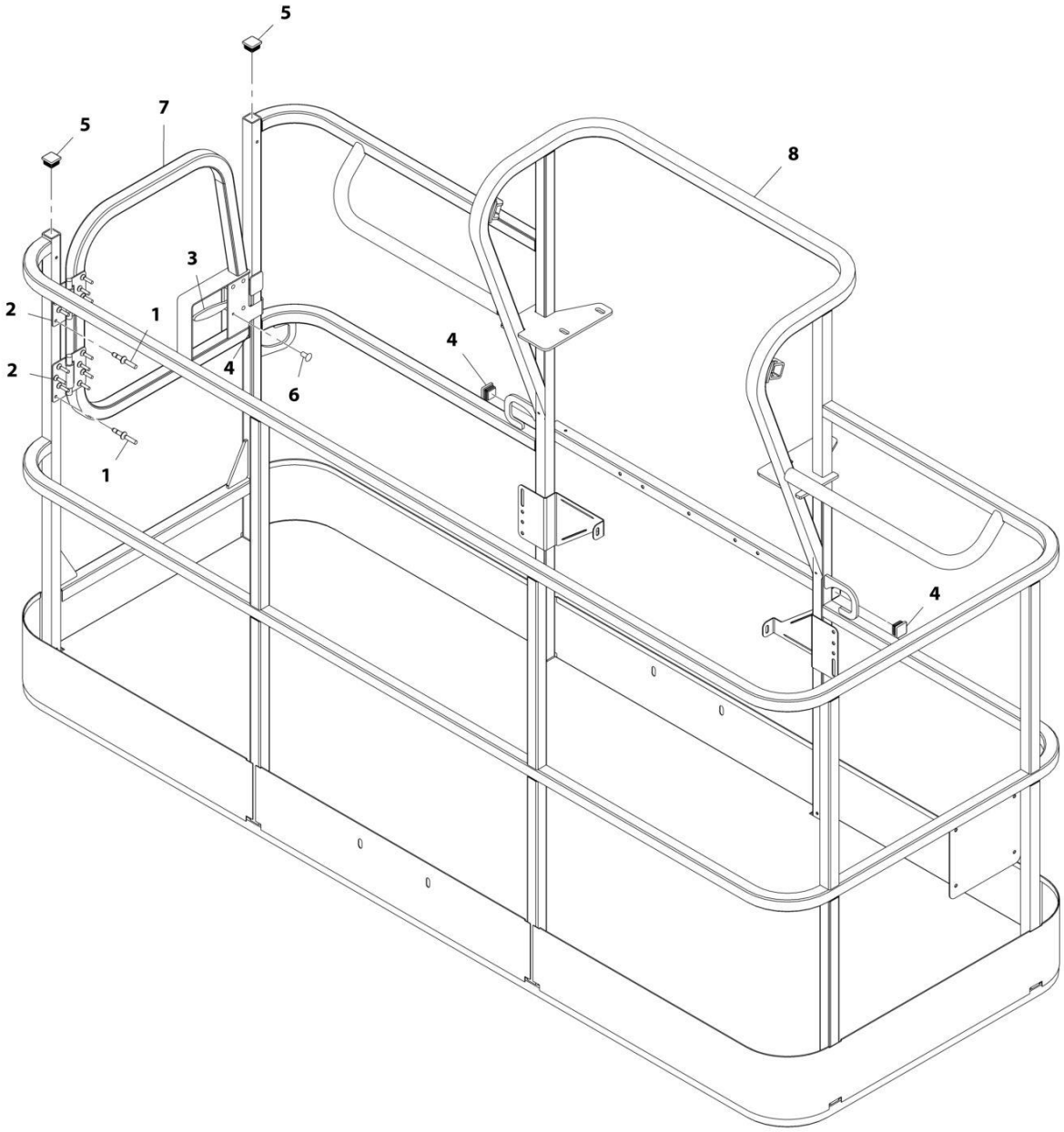

FIGURE 5-5. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186383	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE	D
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
		Ref	Note: When replacing 8ft/2.44m platform with Soft Touch option, new Soft Touch Rail p/n 4846673 must be purchased to accommodate limit switch locations.	
		Ref	Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge, Self-Closing	
3	2940074	1	Latch	
4	3520072	3	Cap, Plug	
5	3520198	2	Cap, Plug	
6	3820020	4	Rivet	
7	1001144629	1	Gate, Weldment	
8	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (1 GATE/2 DROP BARS)

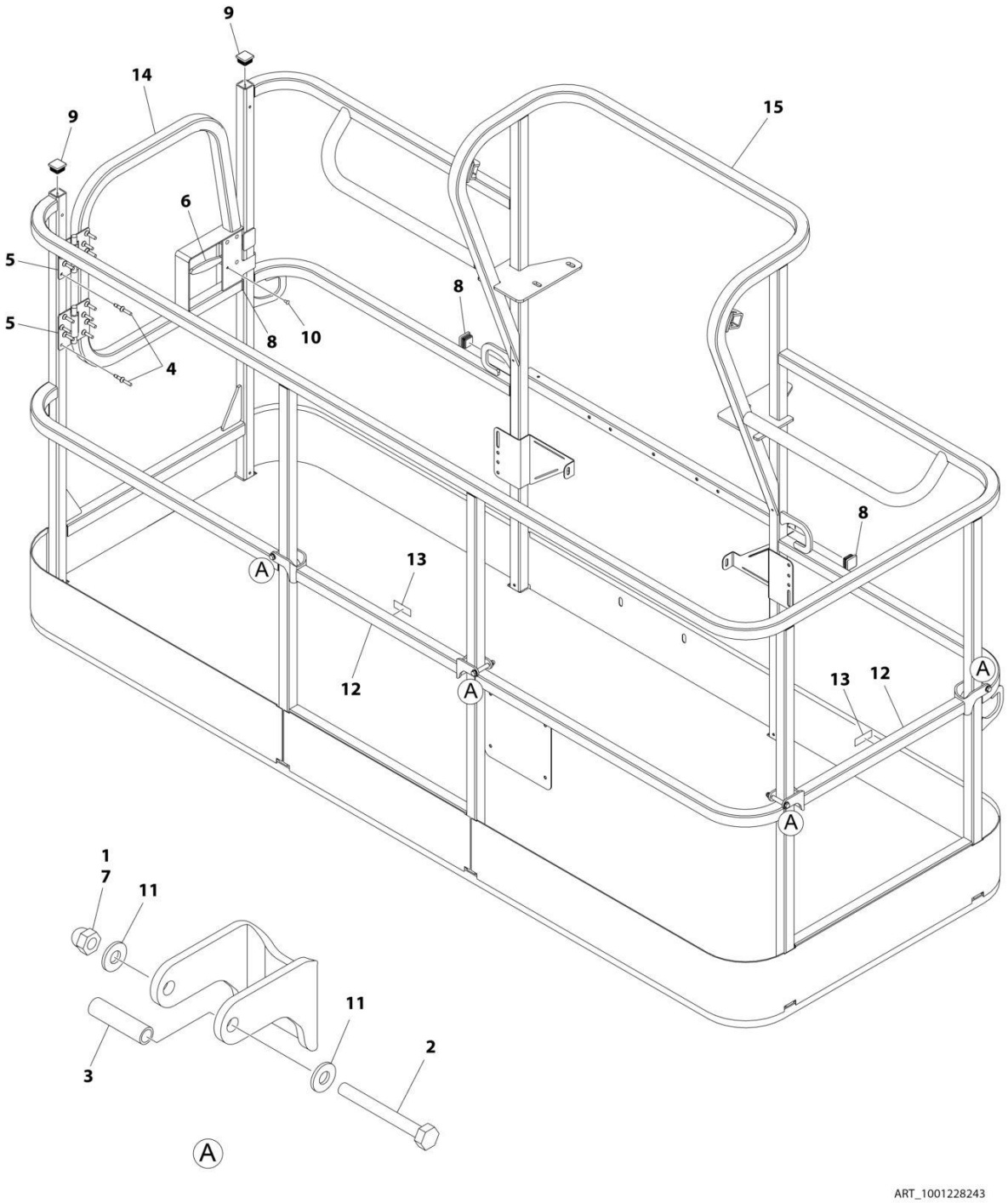

FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (1 GATE/2 DROP BARS)

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

FIGURE 5-7. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH DROP BAR

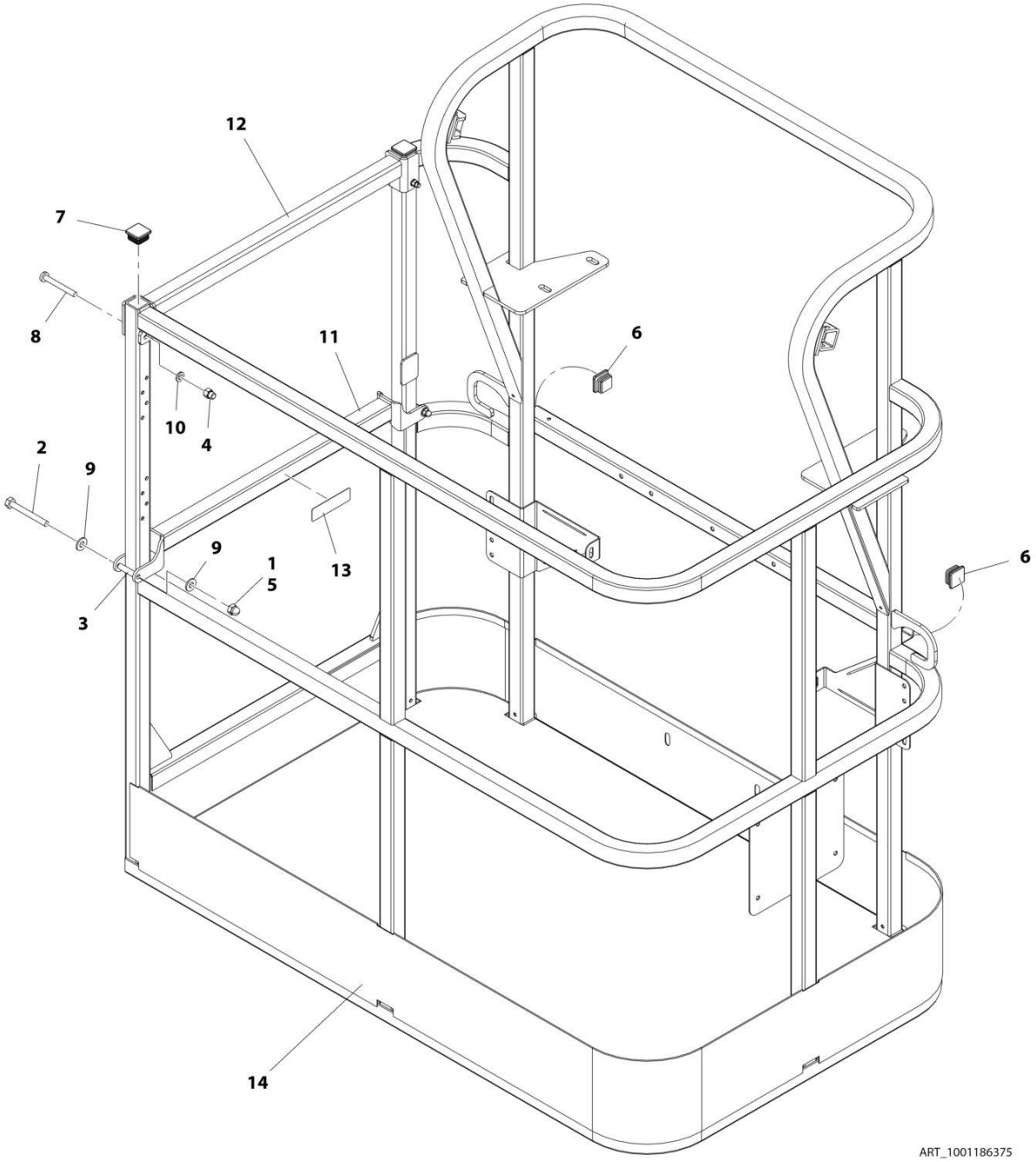

FIGURE 5-7. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH DROP BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186375	Ref	PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH DROP BAR	B
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
		Ref	Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6 x 1	
5	3300151	2	Nut 1/4	
6	3520072	2	Cap, Plug	
7	3520198	2	Cap, Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	1	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	1	Decal - Drop Bar	
14	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

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

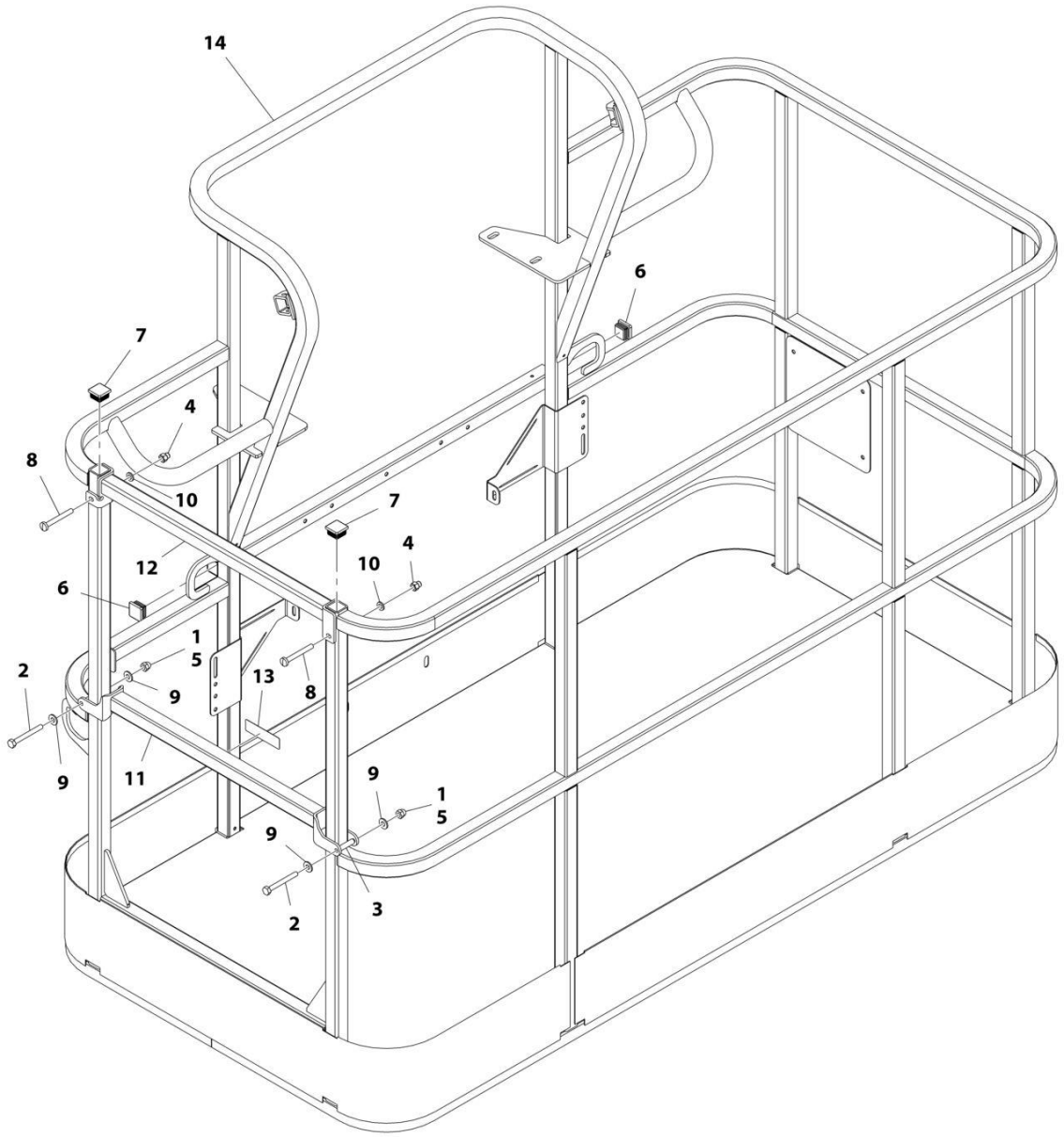

FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186379	Ref	PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR	B
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
		Ref	Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6 x 1	
5	3300151	2	Nut 1/4	
6	3520072	2	Cap, Plug	
7	3520198	2	Cap, Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	1	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	1	Decal - Drop Bar	
14	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

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

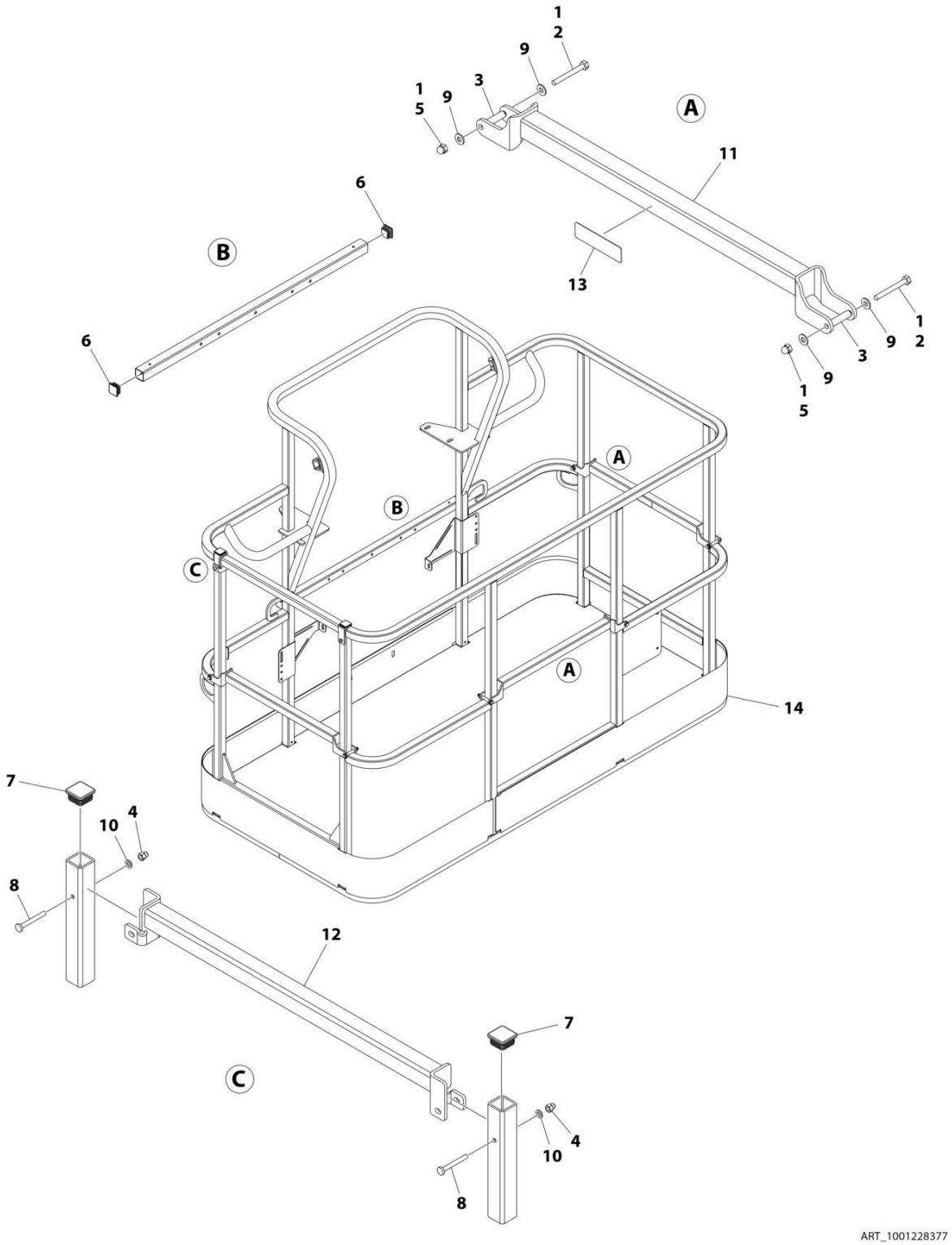

FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROPBAR

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

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

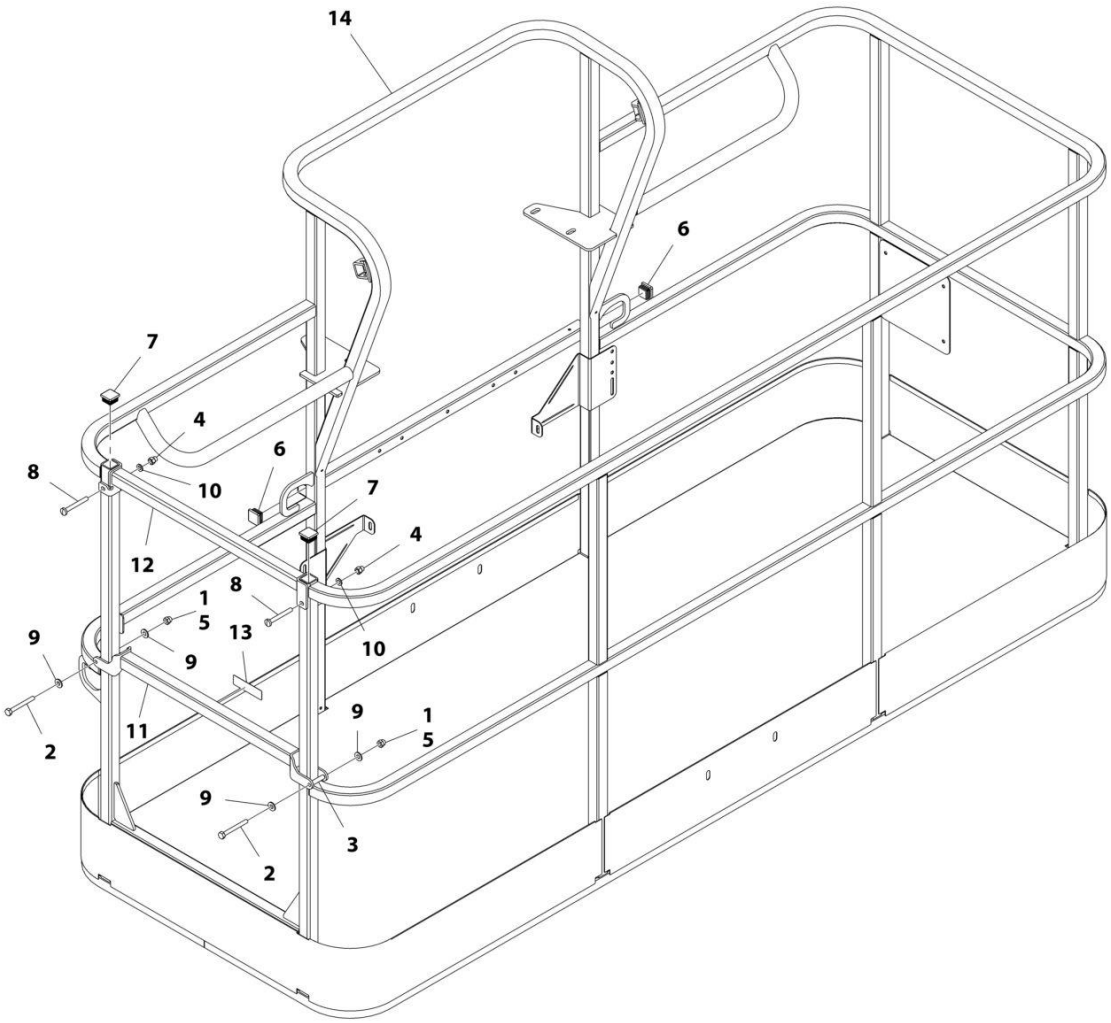

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FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186382	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR	C
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
		Ref	Note: When replacing 8ft/2.44m platform with Soft Touch option, new Soft Touch Rail p/n 4846673 must be purchased to accommodate limit switch locations.	
		Ref	Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6 x 1	
5	3300151	2	Nut 1/4	
6	3520072	2	Cap, Plug	
7	3520198	2	Cap, Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	1	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	1	Decal - Drop Bar	
14	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (3 DROP BARS)

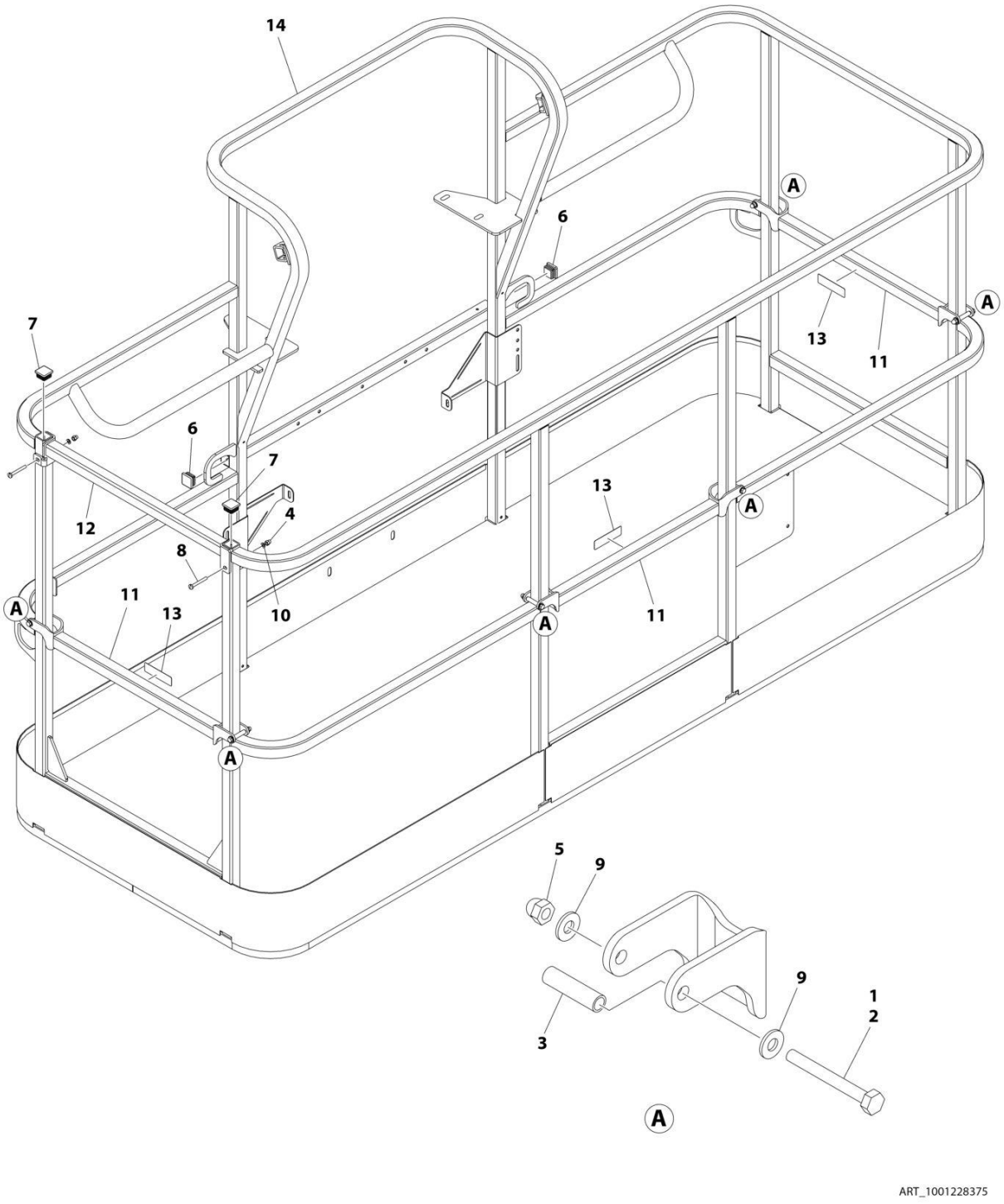


FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (3 DROP BARS)

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

FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ANSI SPECS)

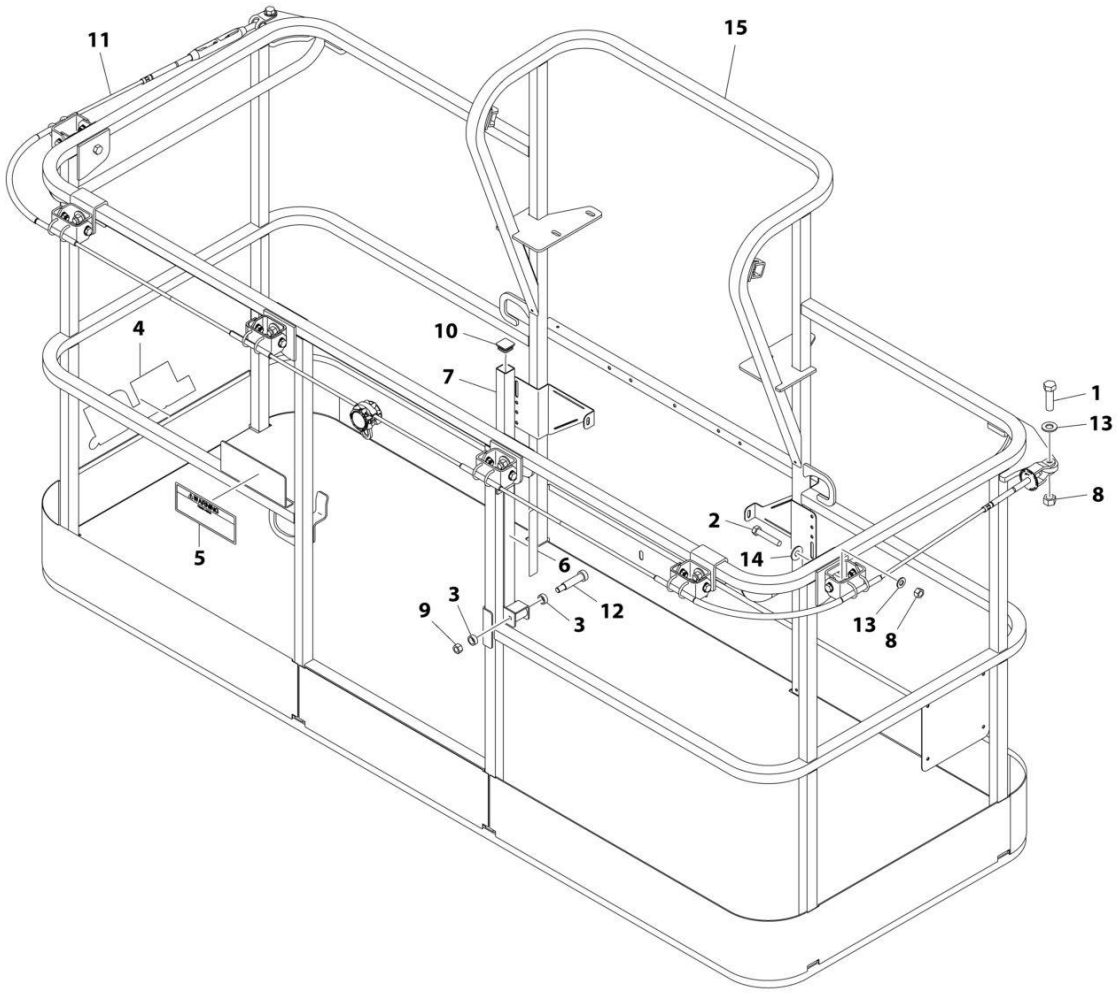


FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186334	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ANSI SPECS)	D
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0681814	2	Bolt 1/2 x 1-3/4 Grade 8	
2	0681822	6	Bolt 1/2 x 2-3/4 Grade 8	
3	0962270	2	Bearing	
4	1702773	1	Decal - JLG	
5	1705014	1	Decal - Safety	
6	1706385	1	Decal - Drop Bar	
7	2410014	1	Gate	
8	3271805	8	Nut 1/2 Grade 8	
9	3311605	1	Nut 3/8	
10	3520072	1	Cap, Plug	
11	3890040	NLA	Cable, Fall Arrest (Use p/n 1001203656) **(SN 0300209000 through 0300215909)**	
11	1001203656	1	Cable, Fall Arrest **(SN 0300215910 through 0300272505)**	
12	3900054	1	Bolt 1/2 x 1-3/4	
13	4711800	AR	Washer 1/2	
14	4751800	6	Washer 1/2	
15	See Note	NSS	Platform (Note: Purchase Platform Assembly)	

FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (AUSTRALIAN AND CE SPECS)

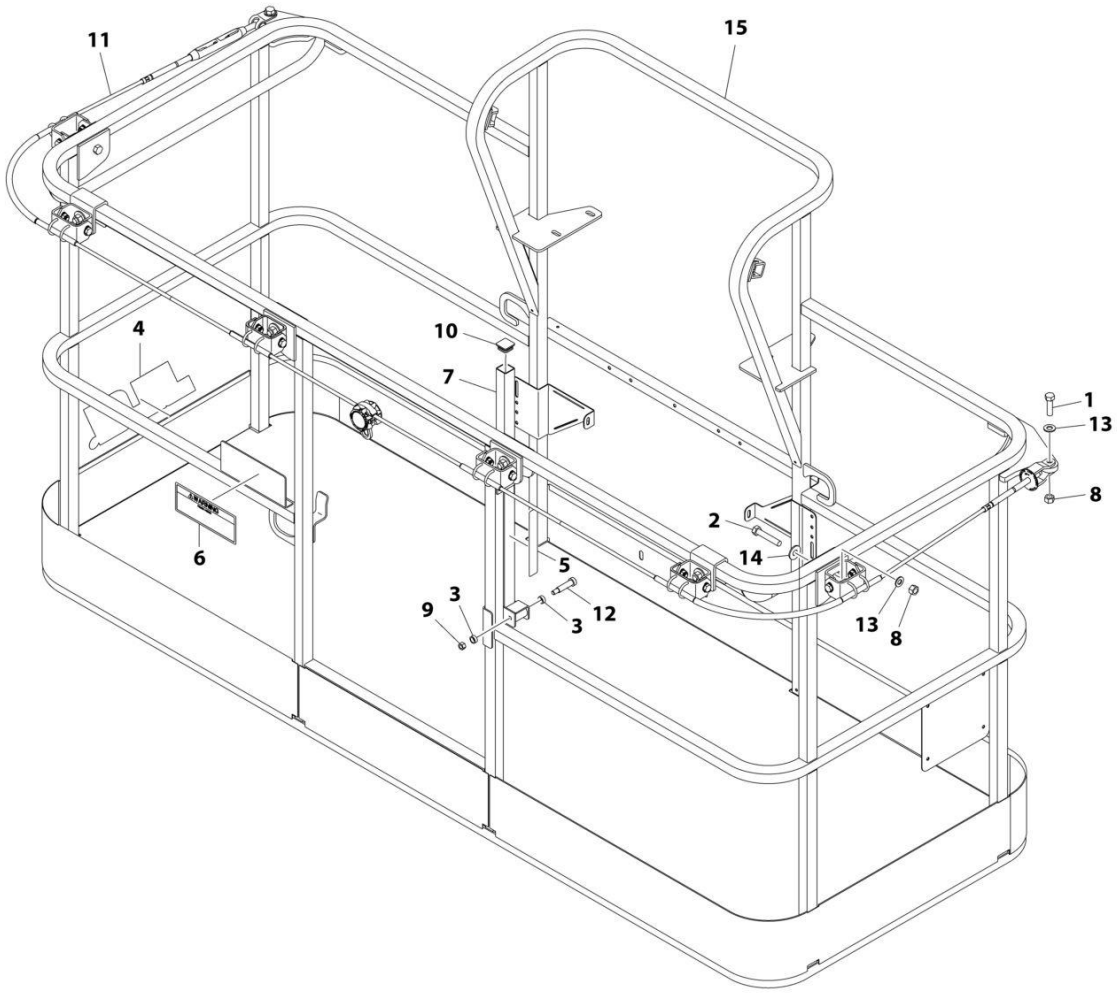


FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (AUSTRALIAN AND CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186389	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (AUSTRALIAN AND CE SPECS)	D
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0681814	2	Bolt 1/2 x 1-3/4 Grade 8	
2	0681822	6	Bolt 1/2 x 2-3/4 Grade 8	
3	0962270	2	Bearing	
4	1702773	1	Decal - JLG	
5	1706493	1	Decal - Drop Bar	
6	1706501	1	Decal - Safety	
7	2410014	1	Gate	
8	3271805	8	Nut 1/2	
9	3311605	1	Nut 3/8	
10	3520072	1	Cap, Plug	
11	3890040	NLA	Cable, Fall Arrest (Use p/n 1001203656) **(SN 0300209000 through 0300214282)**	
11	1001203656	1	Cable, Fall Arrest **(SN 0300214283 through 0300272505)**	
12	3900054	1	Bolt 1/2 x 1-3/4	
13	4711800	AR	Washer 1/2	
14	4751800	6	Washer 1/2	
15	See Note	NSS	Platform (Note: Purchase Platform Assembly)	

FIGURE 5-14. PLATFORM CONSOLE BOX INSTALLATION - WITHOUT SKYGUARD (SN 0300209000 through 0300226076)

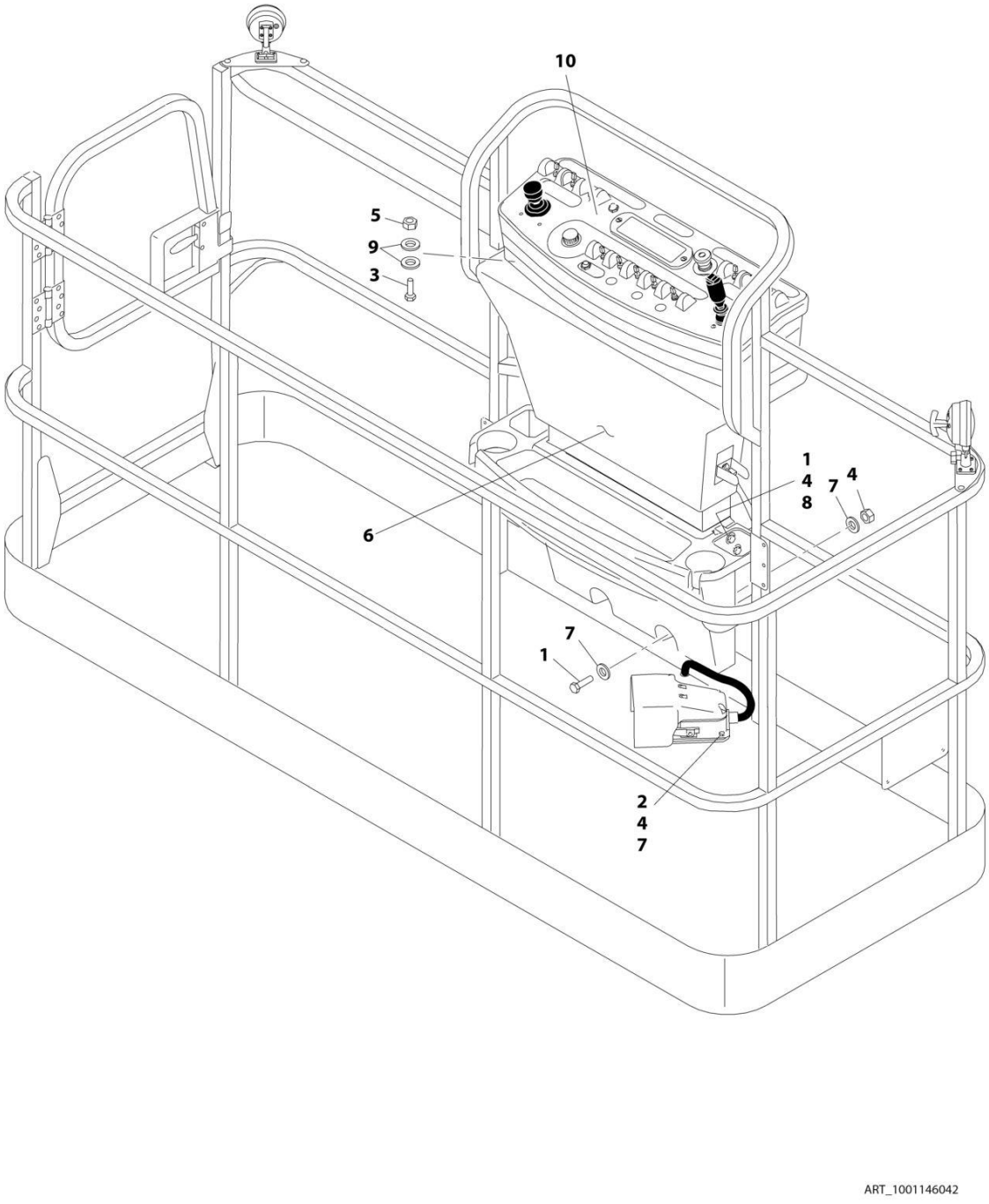


FIGURE 5-14. PLATFORM CONSOLE BOX INSTALLATION - WITHOUT SKYGUARD (SN 0300209000 through 0300226076)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001146042	Ref	PLATFORM CONSOLE BOX INSTALLATION - WITHOUT SKYGUARD **(SN 0300209000 through 0300226076)**	C
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0641406	4	Bolt 1/4 x 3/4	
2	0641408	3	Bolt 1/4 x 1	
3	0641610	4	Bolt 3/8 x 1-1/4	
4	3311405	7	Nut 1/4	
5	3311605	4	Nut 3/8	
6	3380434	1	Panel, Molded	
7	4740362	7	Washer, Fender	
8	4751400	4	Washer 1/4	
9	4751600	8	Washer 3/8	
10	1001166664	NLA	Platform Console Box Assembly (See PLATFORM CONSOLE ASSEMBLY - WITHOUT SKYGUARD for Breakdown) (Use p/n 1001202561) **(SN 0300209000 through 0300220151)**	
10	1001202561	1	Platform Console Box Assembly (See PLATFORM CONSOLE ASSEMBLY - WITHOUT SKYGUARD for Breakdown) **(SN 0300220152 through 0300226076)**	

FIGURE 5-15. PLATFORM CONSOLE BOX INSTALLATION - WITH SKYGUARD (WITH 4 CELL LSS)

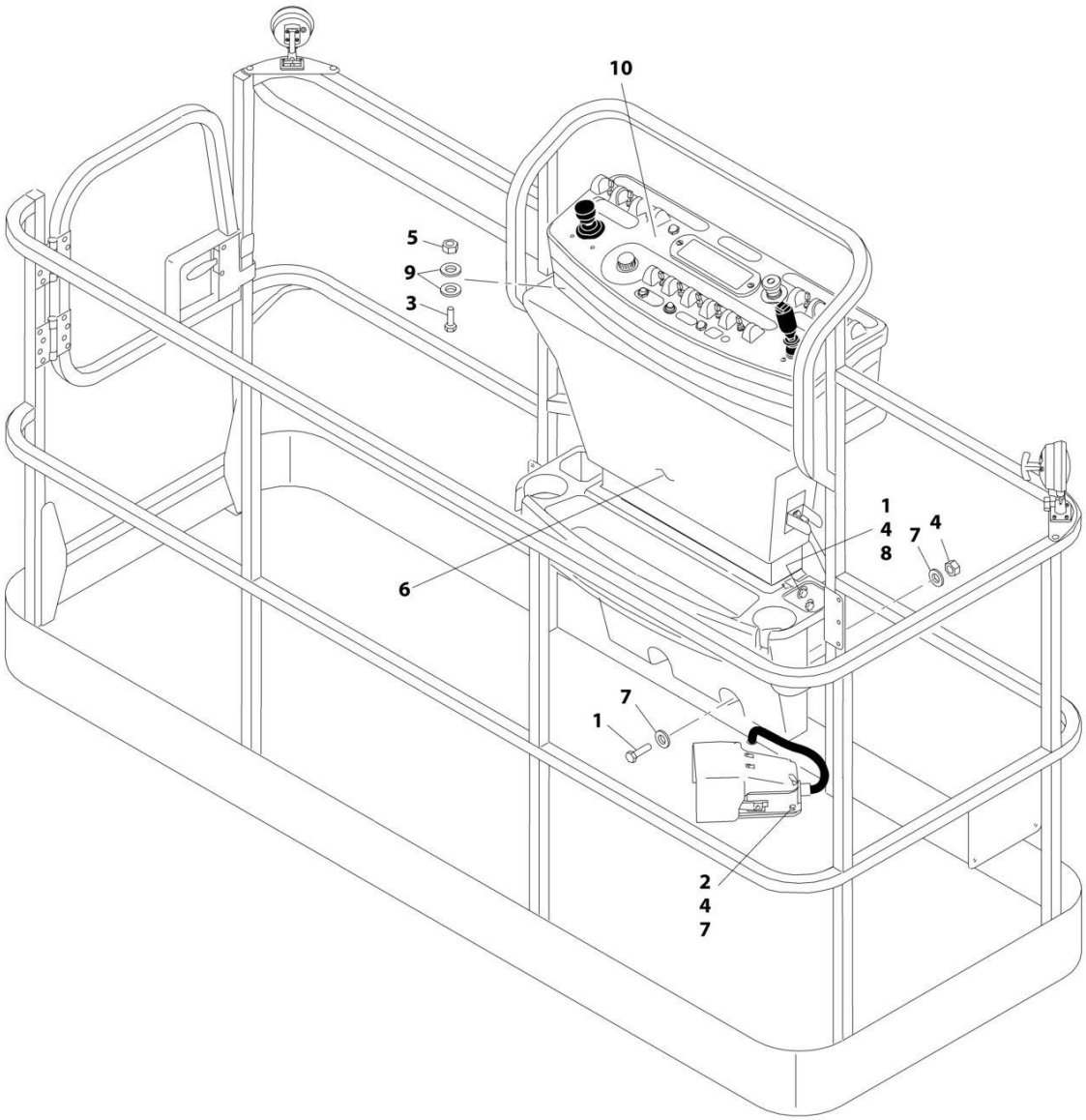


FIGURE 5-15. PLATFORM CONSOLE BOX INSTALLATION - WITH SKYGUARD (WITH 4 CELL LSS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190110	Ref	PLATFORM CONSOLE BOX INSTALLATION - WITH SKYGUARD (WITH 4 CELL LSS) **(SN 0300209000 through 0300234293)**	C
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0641406	4	Bolt 1/4 x 3/4	
2	0641408	3	Bolt 1/4 x 1	
3	0641610	4	Bolt 3/8 x 1-1/4	
4	3311405	7	Nut 1/4	
5	3311605	4	Nut 3/8	
6	3380434	1	Panel, Molded	
7	4740362	7	Washer, Fender	
8	4751400	4	Washer 1/4	
9	4751600	8	Washer 3/8	
10	1001190097	NLA	Platform Console Box Assembly (See PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD for Breakdown) (Use p/n 1001202559) **(SN 0300209000 through 0300220151)**	
10	1001202559	1	Platform Console Box Assembly (See PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD for Breakdown) **(SN 0300220152 through 0300272505)**	

FIGURE 5-16. PLATFORM CONSOLE BOX INSTALLATION - WITH SKYGUARD (WITH 1 CELL LSS) (SN 0300209000 through 0300256996)

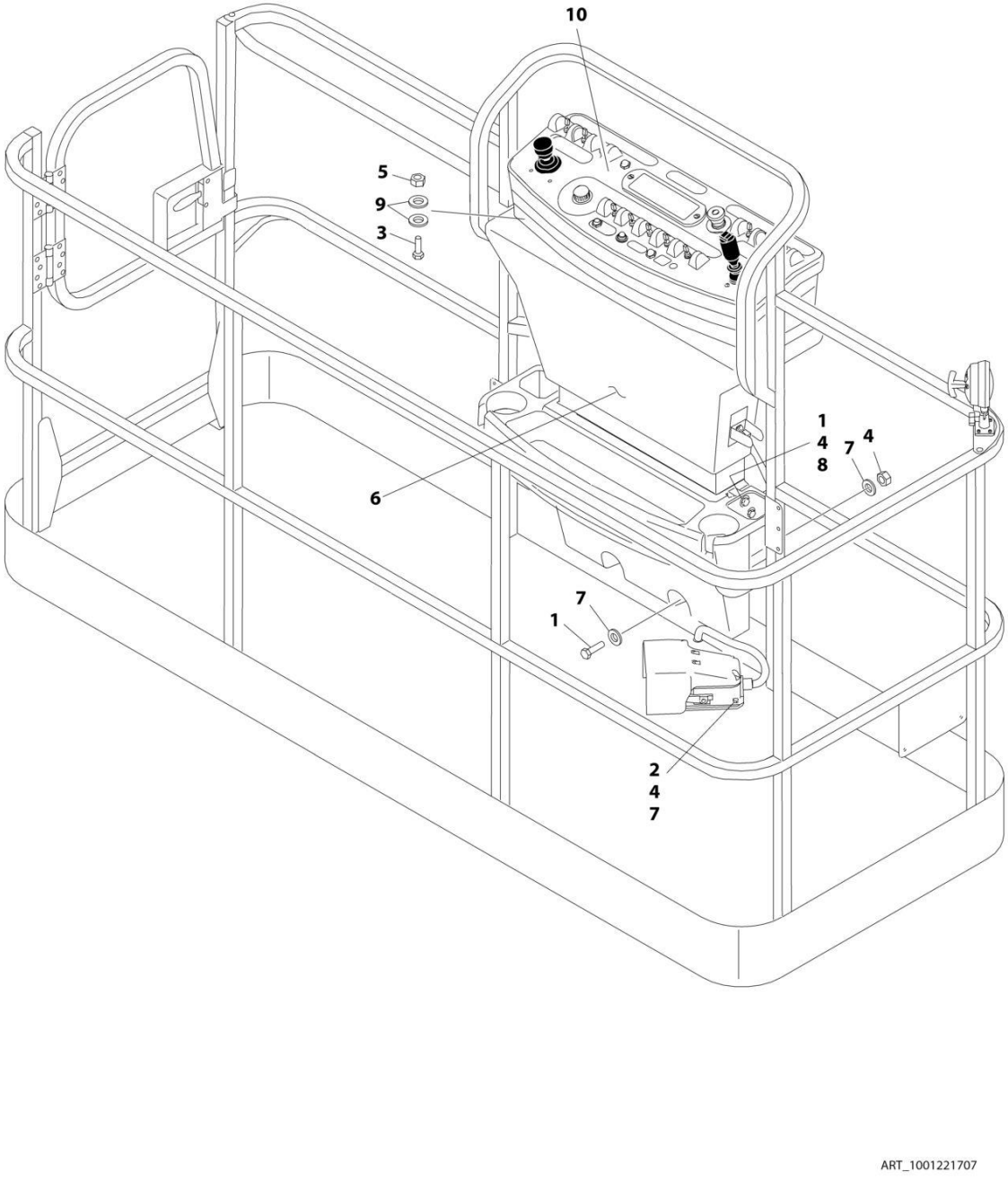


FIGURE 5-16. PLATFORM CONSOLE BOX INSTALLATION - WITH SKYGUARD (WITH 1 CELL LSS) (SN 0300209000 through 0300256996)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221707	Ref	PLATFORM CONSOLE BOX INSTALLATION - WITH SKYGUARD (WITH 1 CELL LSS)	B
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0641406	4	Bolt 1/4 x 3/4	
2	0641408	3	Bolt 1/4 x 1	
3	0641610	4	Bolt 3/8 x 1-1/4	
4	3311405	7	Nut 1/4	
5	3311605	4	Nut 3/8	
6	3380434	1	Panel, Molded	
7	4740362	7	Washer, Fender	
8	4751400	4	Washer 1/4	
9	4751600	8	Washer 3/8	
10	1001219991	NLA	Platform Console Box Assembly (Use p/n 1001243466) (See Separate Breakdown in this Section)	

FIGURE 5-17. PLATFORM CONSOLE BOX INSTALLATION (WITH 1 CELL LSS) (SN 0300256997 through 0300272505)

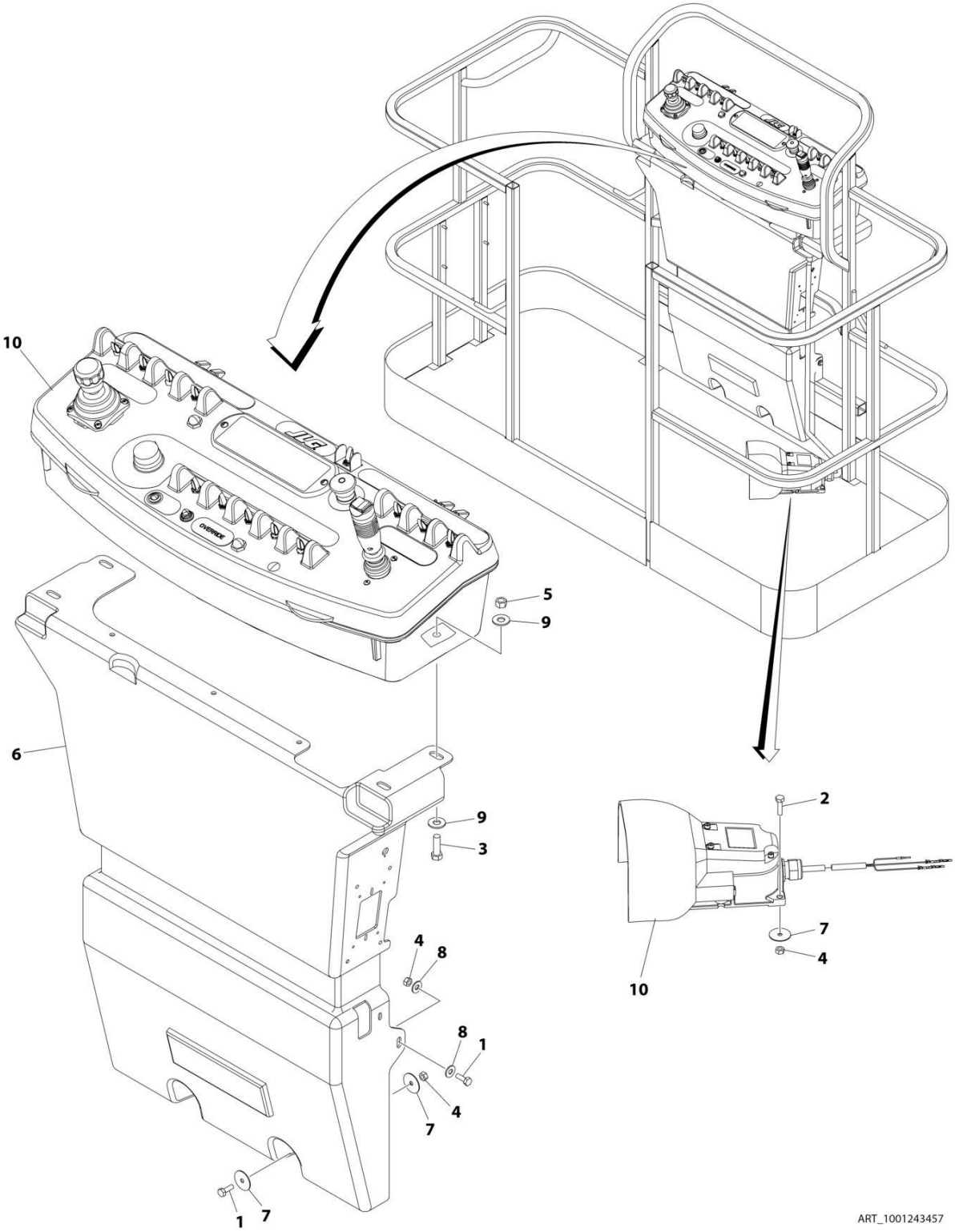


FIGURE 5-17. PLATFORM CONSOLE BOX INSTALLATION (WITH 1 CELL LSS) (SN 0300256997 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243457	Ref	PLATFORM CONSOLE BOX INSTALLATION (WITH 1 CELL LSS)	A
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0641406	4	Bolt 1/4 x 3/4	
2	0641408	3	Bolt 1/4 x 1	
3	0641610	4	Bolt 3/8 x 1-1/4	
4	3311405	7	Nut 1/4	
5	3311605	4	Nut 3/8	
6	3380434	1	Panel, Molded	
7	4740362	7	Washer, Fender	
8	4751400	4	Washer 1/4	
9	4751600	8	Washer 3/8	
10	1001243466	1	Platform Console Box Assembly (See Separate Breakdown in this Section)	

FIGURE 5-18. PLATFORM CONSOLE ASSEMBLY - WITHOUT SKYGUARD (SN 0300209000 through 0300220151)

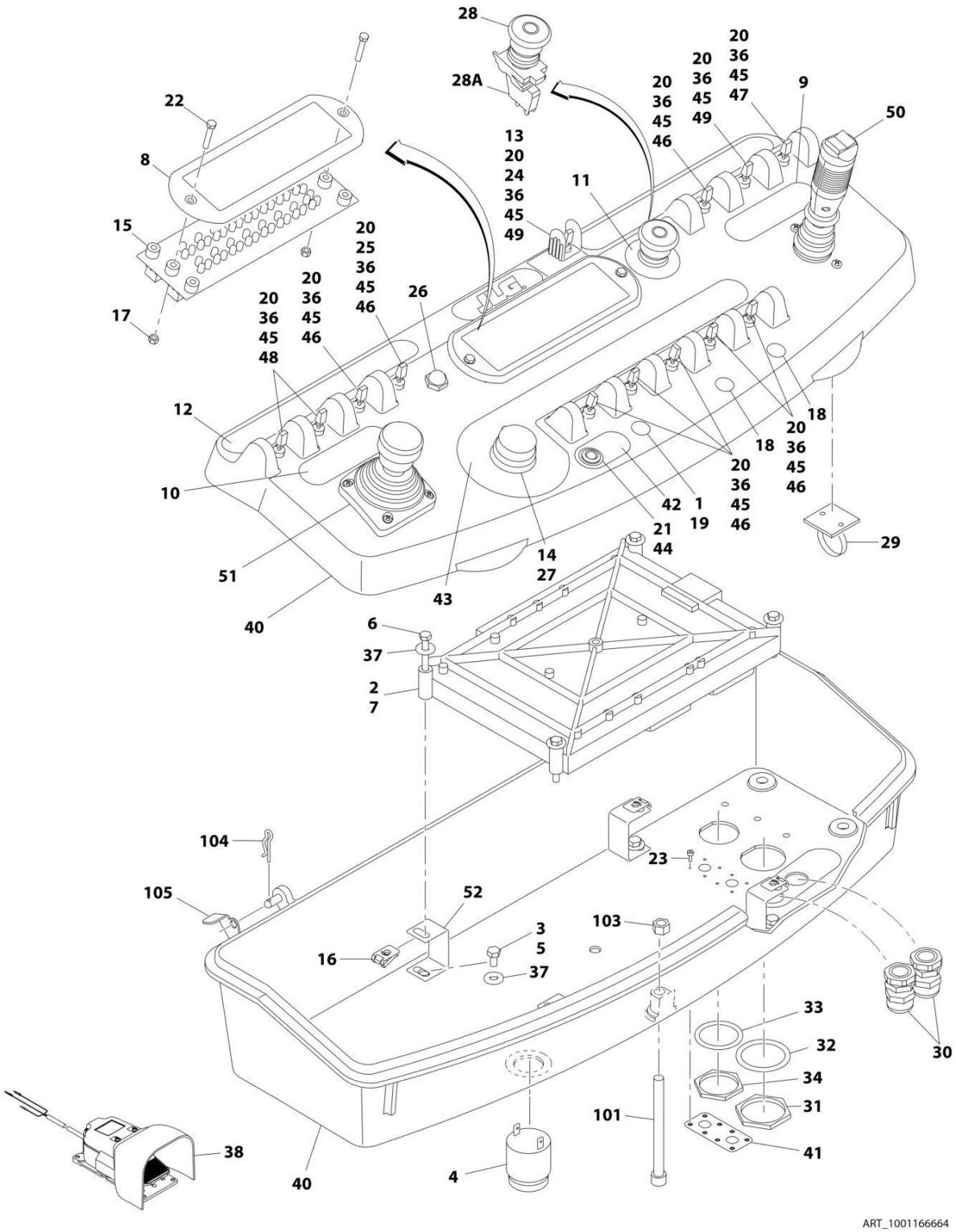


FIGURE 5-18. PLATFORM CONSOLE ASSEMBLY - WITHOUT SKYGUARD (SN 0300209000 through 0300220151)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166664	Ref	PLATFORM CONSOLE ASSEMBLY - WITHOUT SKYGUARD **(SN 0300209000 through 0300220151)**	C
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100081	AR	Adhesive	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4 x 1/2	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	1600343	1	Module, Control (Note: Re-calibration Required when Replaced)	
8	1671176	1	Bezel	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1704260	1	Decal - EMS	
12	1705744	1	Decal - Horn	
13	1706741	1	Decal - Jib Select	
14	2560136	1	Handle, Knob	
15	2920154	1	Panel, LED Light	
16	3300353	4	Nut, Retainer	
17	3300408	2	Nut	
18	3520026	2	Plug, Hole	
19	3520027	1	Plug, Hole	
20	3790012	13	O-Ring	
21	3790015	1	O-Ring	
22	3900183	2	Bolt #10 x 1-1/4	
23	3900349	8	Capscrew M2.5	
24	4060906	1	Guard, Switch	
25	4071074	1	Shim, Switch	
26	4360387	1	Switch, Pushbutton	
27	4360407	1	Controller, Speed	
27	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
27	70003784	1	Seal	
28	4360475	1	Switch, Emergency Stop	
28	7020175	1	Cap, Red	
28A	7020176	1	Block, Contact	
29	4460234	3	Base, Mounting	
30	4460428	2	Connector, Strain Relief	
31	4460470	1	Nut, Terminal	
32	4460471	1	Washer, Terminal	
33	4460496	1	Washer, Terminal	
34	4460497	1	Nut, Terminal	
35	4460905	AR	Seal, Plug (Not Shown)	
36	4740397	13	Spacer	
37	4751400	8	Washer 1/4	
38	1001117174	1	Footswitch Assembly (See FOOTSWITCH ASSEMBLY for Breakdown)	
39	1001119389	1	Harness, Console Box (Not Shown - See ELECTRICAL SECTION for Breakdown)	
40	1001120300	1	Box, Console (See Items 101-105 for Breakdown)	
41	1001120338	1	Mount, Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001125194	1	Decal - Jib Stow	
43	1001125195	1	Decal - Function Speed	
44	1001137364	1	Lamp, Indicator	
45	1001155044	13	Nut 15/32-32	
46	1001155045	8	Switch, Toggle	
47	1001159256	1	Switch, Toggle	
48	1001161709	2	Switch, Toggle	
49	1001161710	2	Switch, Toggle	
50	1001166538	NLA	Controller Assembly - Drive and Steer (Use p/n 1001212415) (See CONTROLLER ASSEMBLY - DRIVE AND STEER for Breakdown)	
51	1001166539	NLA	Controller Assembly - Lift and Swing (Use p/n 1001129555) (See CONTROLLER ASSEMBLY - LIFT AND SWING for Breakdown)	
52	1001172760	4	Bracket, Support	
	1001120300	Ref	CONSOLE BOX ASSEMBLY	B
101	0630568	1	Screw 3/8 x 4-1/2	
103	3311601	1	Nut 3/8	
104	3470003	2	Pin, Cotter	
105	1001200575	2	Bracket, Stop	

FIGURE 5-19. PLATFORM CONSOLE ASSEMBLY - WITHOUT SKYGUARD (SN 0300220152 through 0300226076)

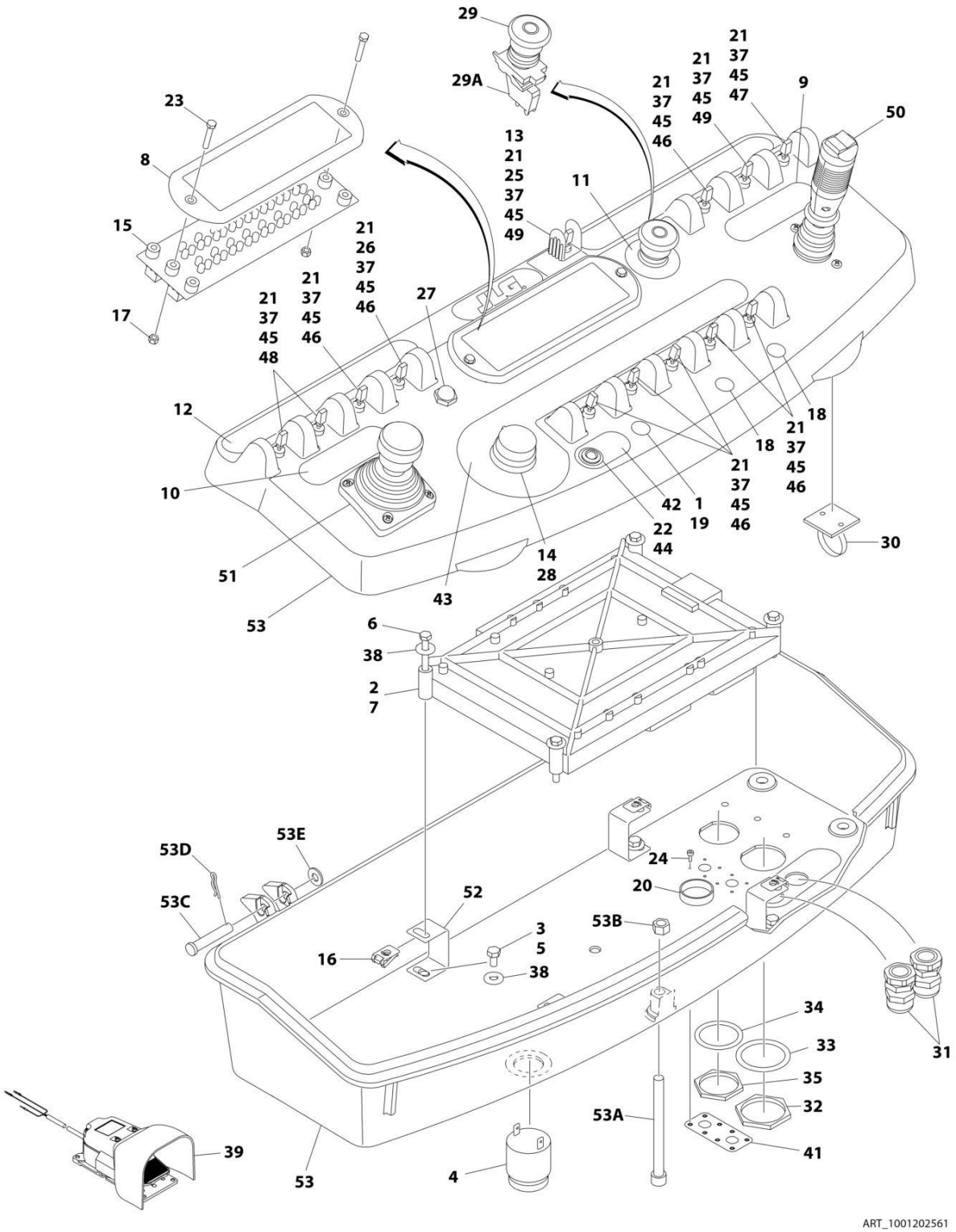


FIGURE 5-19. PLATFORM CONSOLE ASSEMBLY - WITHOUT SKYGUARD (SN 0300220152 through 0300226076)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202561	Ref	PLATFORM CONSOLE ASSEMBLY - WITHOUT SKYGUARD **(SN 0300220152 through 0300226076)**	B
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100081	AR	Adhesive	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4 x 1/2	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	1600343	1	Module, Control (Note: Re-calibration Required when Replaced)	
8	1671176	1	Bezel	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1704260	1	Decal - EMS	
12	1705744	1	Decal - Horn	
13	1706741	1	Decal - Jib Select	
14	2560136	1	Handle, Knob	
15	2920154	1	Panel, LED Light	
16	3300353	4	Nut, Retainer	
17	3300408	2	Nut	
18	3520026	2	Plug, Hole	
19	3520027	1	Plug, Hole	
20	3520035	1	Plug, Cap	
21	3790012	13	O-Ring	
22	3790015	1	O-Ring	
23	3900183	2	Bolt #10 x 1-1/4	
24	3900349	8	Capscrew M2.5	
25	4060906	1	Guard, Switch	
26	4071074	1	Shim, Switch	
27	4360387	1	Switch, Pushbutton	
28	4360407	1	Controller, Speed	
28	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
28	70003784	1	Seal	
29	4360475	1	Switch, Emergency Stop	
29	7020175	1	Cap, Red	
29A	7020176	1	Block, Contact	
30	4460234	3	Base, Mounting	
31	4460428	2	Connector, Strain Relief	
32	4460470	1	Nut, Terminal	
33	4460471	1	Washer, Terminal	
34	4460496	1	Washer, Terminal	
35	4460497	1	Nut, Terminal	
36	4460905	AR	Seal, Plug (Not Shown)	
37	4740397	13	Spacer	
38	4751400	8	Washer 1/4	
39	1001117174	1	Footswitch Assembly (See FOOTSWITCH ASSEMBLY for Breakdown)	
40	1001119389	1	Harness, Console Box (Not Shown - See ELECTRICAL SECTION for Breakdown)	
41	1001120338	1	Mount, Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001125194	1	Decal - Jib Stow	
43	1001125195	1	Decal - Function Speed	
44	1001137364	1	Lamp, Indicator	
45	1001155044	13	Nut 15/32-32	
46	1001155045	8	Switch, Toggle	
47	1001159256	1	Switch, Toggle	
48	1001161709	2	Switch, Toggle	
49	1001161710	2	Switch, Toggle	
50	1001166538	NLA	Controller Assembly - Drive and Steer (Use p/n 1001212415) (See CONTROLLER ASSEMBLY - DRIVE AND STEER for Breakdown)	
51	1001166539	NLA	Controller Assembly - Lift and Swing (Use p/n 1001129555) (See CONTROLLER ASSEMBLY - LIFT AND SWING for Breakdown)	
52	1001172760	4	Bracket, Support	
53	1001201888	1	Box, Console	B
53A	0630568	1	Screw 3/8 x 4-1/2	
53B	3311601	1	Nut 3/8	
53C	3430616	2	Pin, Clevis	
53D	3470003	2	Pin, Cotter	
53E	4711600	2	Washer, 3/8	

FIGURE 5-20. PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (SN 0300209000 through 0300220151)

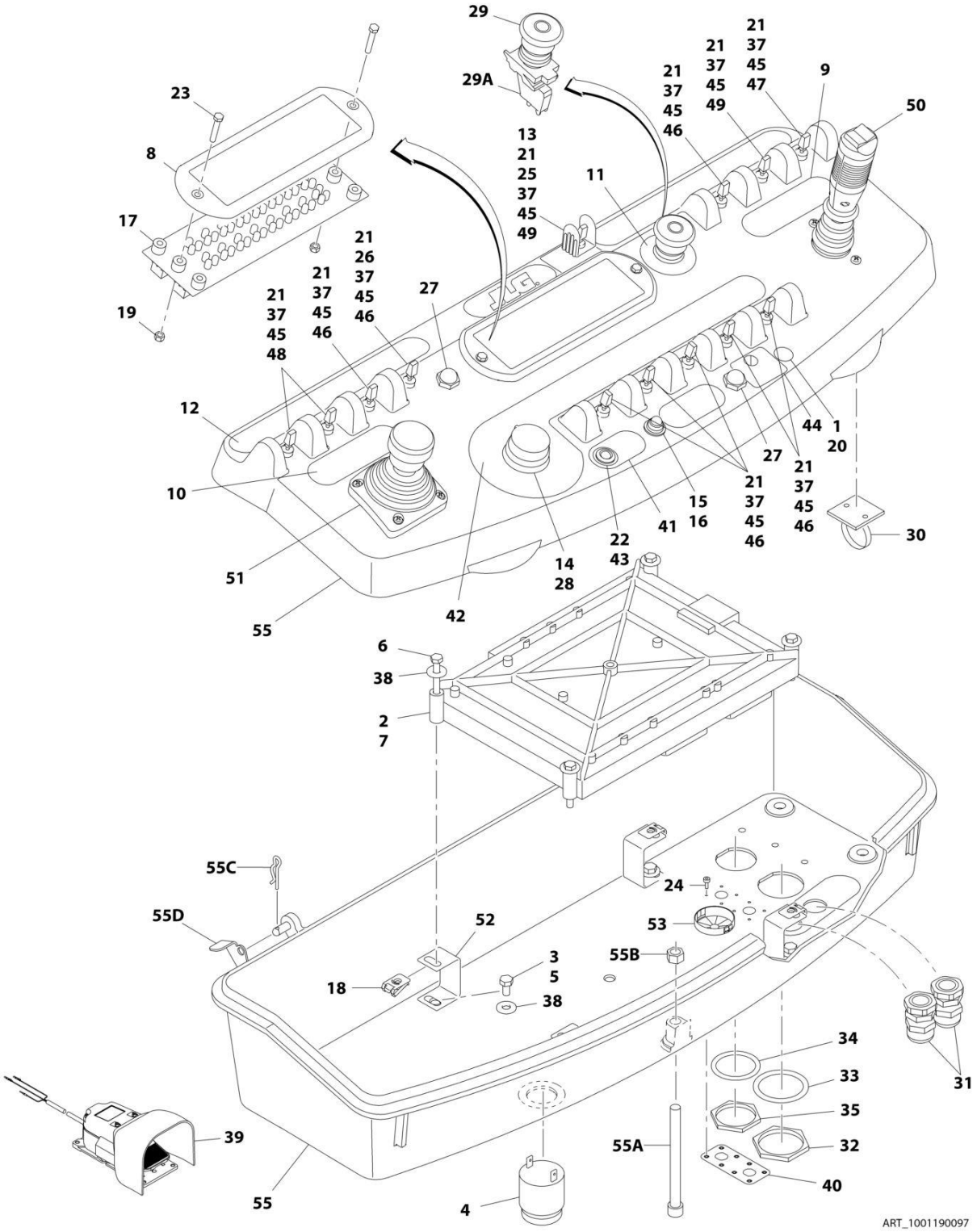


FIGURE 5-20. PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (SN 0300209000 through 0300220151)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190097	Ref	PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD **(SN 0300209000 through 0300220151)**	D
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100081	AR	Adhesive	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4 x 1/2	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	1600343	1	Module, Control (Note: Re-calibration Required when Replaced)	
8	1671176	1	Bezel	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1704260	1	Decal - EMS	
12	1705744	1	Decal - Horn	
13	1706741	1	Decal - Jib Select	
14	2560136	1	Handle, Knob	
15	2920028	1	Lamp, Indicator	
16	2920029	1	Bulb	
17	2920154	1	Panel, LED Light	
18	3300353	4	Nut, Retainer	
19	3300408	2	Nut	
20	3520026	1	Plug, Hole	
21	3790012	13	O-Ring	
22	3790015	1	O-Ring	
23	3900183	2	Bolt #10 x 1-1/4	
24	3900349	8	Capscrew M2.5	
25	4060906	1	Guard, Switch	
26	4071074	1	Shim, Switch	
27	4360387	2	Switch, Pushbutton	
28	4360407	1	Controller, Speed	
28	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
28	70003784	1	Seal	
29	4360475	1	Switch, Emergency Stop	
29	7020175	1	Cap, Red	
29A	7020176	1	Block, Contact	
30	4460234	3	Base, Mounting	
31	4460428	2	Connector, Strain Relief	
32	4460470	1	Nut, Terminal	
33	4460471	1	Washer, Terminal	
34	4460496	1	Washer, Terminal	
35	4460497	1	Nut, Terminal	
36	4460905	AR	Seal, Plug (Not Shown)	
37	4740397	13	Spacer	
38	4751400	8	Washer 1/4	
39	1001117174	1	Footswitch Assembly (See FOOTSWITCH ASSEMBLY for Breakdown)	
40	1001120338	1	Mount, Connector	
41	1001125194	1	Decal - Jib Stow	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001125195	1	Decal - Function Speed	
43	1001137364	1	Light, Indicator (Green)	
44	1001144433	1	Decal - No Weight SkyGuard	
45	1001155044	13	Nut 15/32-32	
46	1001155045	8	Switch, Toggle	
47	1001159256	1	Switch, Toggle	
48	1001161709	2	Switch, Toggle	
49	1001161710	2	Switch, Toggle	
50	1001166538	NLA	Controller Assembly - Drive and Steer (Use p/n 1001212415) (See CONTROLLER ASSEMBLY - DRIVE AND STEER for Breakdown)	
51	1001166539	NLA	Controller Assembly - Lift and Swing (Use p/n 1001129555) (See CONTROLLER ASSEMBLY - LIFT AND SWING for Breakdown)	
52	1001172760	4	Bracket, Support	
53	1001185281	1	Plug	
54	1001186905	1	Harness, Console Box (Not Shown - See ELECTRICAL SECTION for Breakdown)	
55	1001190105	1	Box, Console	
55A	0630568	1	Capscrew 3/8 x 4-1/2	
55B	3311601	1	Nut 3/8	
55C	3470003	2	Pin, Hair	
55D	1001200575	2	Bracket, Stop	

FIGURE 5-21. PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (WITH 4 CELL LSS)

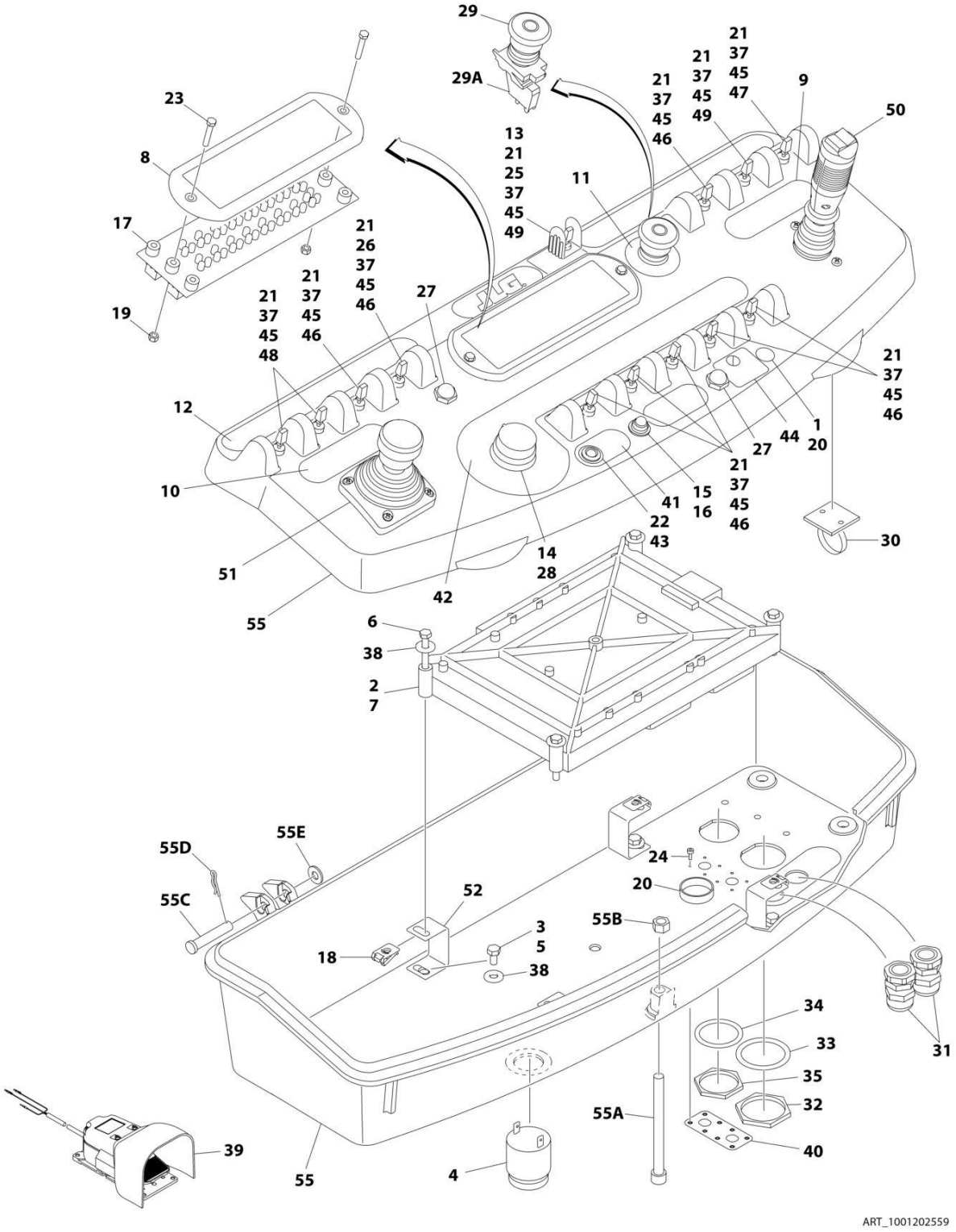


FIGURE 5-21. PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (WITH 4 CELL LSS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202559	Ref	PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (WITH 4 CELL LSS) **(SN 0300220152 through 0300234293)**	C
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100081	AR	Adhesive	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4 x 1/2	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	1600343	1	Module, Control (Note: Re-calibration Required when Replaced)	
8	1671176	1	Bezel	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1704260	1	Decal - EMS	
12	1705744	1	Decal - Horn	
13	1706741	1	Decal - Jib Select	
14	2560136	1	Handle, Knob	
15	2920028	1	Lamp, Indicator	
16	2920029	1	Bulb	
17	2920154	1	Panel, LED Light	
18	3300353	4	Nut, Retainer	
19	3300408	2	Nut	
20	3520026	1	Plug, Hole	
21	3790012	13	O-Ring	
22	3790015	1	O-Ring	
23	3900183	2	Bolt #10 x 1-1/4	
24	3900349	8	Capscrew M2.5	
25	4060906	1	Guard, Switch	
26	4071074	1	Shim, Switch	
27	4360387	2	Switch, Pushbutton	
28	4360407	1	Controller, Speed	
28	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
28	70003784	1	Seal	
29	4360475	1	Switch, Emergency Stop	
29	7020175	1	Cap, Red	
29A	7020176	1	Block, Contact	
30	4460234	3	Base, Mounting	
31	4460428	2	Connector, Strain Relief	
32	4460470	1	Nut, Terminal	
33	4460471	1	Washer, Terminal	
34	4460496	1	Washer, Terminal	
35	4460497	1	Nut, Terminal	
36	4460905	AR	Seal, Plug (Not Shown)	
37	4740397	13	Spacer	
38	4751400	8	Washer 1/4	
39	1001117174	1	Footswitch Assembly (See FOOTSWITCH ASSEMBLY for Breakdown)	
40	1001120338	1	Mount, Connector	
41	1001125194	1	Decal - Jib Stow	
42	1001125195	1	Decal - Function Speed	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001137364	1	Light, Indicator (Green)	
44	1001144433	1	Decal - No Weight SkyGuard	
45	1001155044	13	Nut 15/32-32	
46	1001155045	8	Switch, Toggle	
47	1001159256	1	Switch, Toggle	
48	1001161709	2	Switch, Toggle	
49	1001161710	2	Switch, Toggle	
50	1001166538	NLA	Controller Assembly - Drive and Steer (Use p/n 1001212415) (See CONTROLLER ASSEMBLY - DRIVE AND STEER for Breakdown)	
51	1001166539	NLA	Controller Assembly - Lift and Swing (Use p/n 1001129555) (See CONTROLLER ASSEMBLY - LIFT AND SWING for Breakdown)	
52	1001172760	4	Bracket, Support	
53	1001185281	1	Plug	
54	1001186905	1	Harness, Console Box (Not Shown - See ELECTRICAL SECTION for Breakdown)	
55	1001201888	1	Box, Console	B
55A	0630568	1	Capscrew 3/8 x 4-1/2	
55B	3311601	1	Nut 3/8	
55C	3430616	2	Pin, Clevis	
55D	3470003	2	Pin, Hair	
55E	4711600	2	Washer, 3/8	

FIGURE 5-22. PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (WITH 1 CELL LSS) (SN 0300209000 through 0300256996)

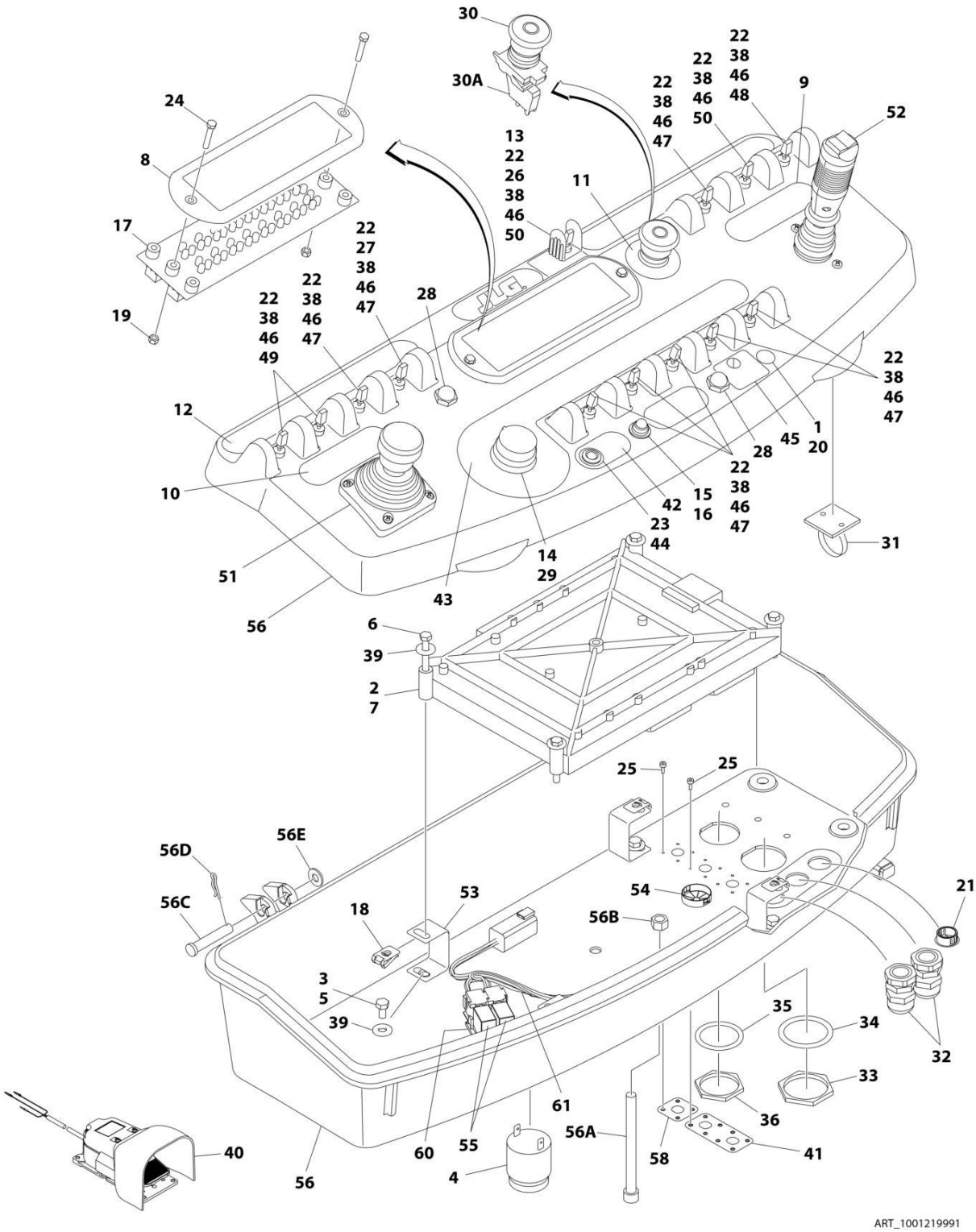


FIGURE 5-22. PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (WITH 1 CELL LSS) (SN 0300209000 through 0300256996)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219991	Ref	PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (WITH 1 CELL LSS)	C
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100035	AR	Compound, Locking	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4 x 1/2	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	1600343	1	Module, Control (Note: Re-calibration Required when Replaced)	
8	1671176	1	Bezel	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1704260	1	Decal - EMS	
12	1705744	1	Decal - Horn	
13	1706741	1	Decal - Jib Select	
14	2560136	1	Handle, Knob	
15	2920028	1	Lamp, Indicator	
16	2920029	1	Bulb	
17	2920154	1	Panel, LED Light	
18	3300353	4	Nut, Retainer	
19	3300408	2	Nut	
20	3520026	1	Plug, Hole	
21	3520030	1	Plug, Hole	
22	3790012	13	O-Ring	
23	3790015	1	O-Ring	
24	3900183	2	Bolt #10 x 1-1/4	
25	3900349	12	Capscrew M2.5	
26	4060906	1	Guard, Switch	
27	4071074	1	Shim, Switch	
28	4360387	2	Switch, Pushbutton	
29	4360407	1	Controller, Speed	
29	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
29	70003784	1	Seal	
30	4360475	1	Switch, Emergency Stop	
30	7020175	1	Cap, Red	
30A	7020176	1	Block, Contact	
31	4460234	3	Base, Mounting	
32	4460428	2	Connector, Strain Relief	
33	4460470	1	Nut, Terminal	
34	4460471	1	Washer, Terminal	
35	4460496	1	Washer, Terminal	
36	4460497	1	Nut, Terminal	
37	4460905	AR	Seal, Plug (Not Shown)	
38	4740397	13	Seal, Plug (Not Shown)	
39	4751400	8	Washer 1/4	
40	1001117174	1	Footswitch Assembly (See FOOTSWITCH ASSEMBLY for Breakdown)	
41	1001120338	1	Mount, Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001125194	1	Decal - Jib Stow	
43	1001125195	1	Decal - Function Speed	
44	1001137364	1	Light, Indicator (Green)	
45	1001144433	1	Decal - No Weight SkyGuard	
46	1001155044	13	Nut 15/32-32	
47	1001155045	8	Switch, Toggle	
48	1001159256	1	Switch, Toggle	
49	1001161709	2	Switch, Toggle	
50	1001161710	2	Switch, Toggle	
51	1001166539	NLA	Controller Assembly - Lift and Swing (Use p/n 1001129555) (See CONTROLLER ASSEMBLY - LIFT AND SWING for Breakdown)	
52	1001166538	NLA	Controller Assembly - Drive and Steer (Use p/n 1001212415) (See CONTROLLER ASSEMBLY - DRIVE AND STEER for Breakdown)	
53	1001172760	4	Bracket, Support	
54	1001185281	1	Plug	
55	1001186431	2	Relay	
56	1001201889	1	Box, Console	C
56A	0630568	1	Capscrew 3/8 x 4-1/2	
56B	3311601	1	Nut 3/8	
56C	3430616	2	Pin, Clevis	
56D	3470003	2	Pin, Hair	
56E	4711600	2	Washer, 3/8	
57	1001220867	1	Harness, Console Box (Not Shown - See ELECTRICAL SECTION for Breakdown)	
58	1001220929	1	Mount, Connector	
59	4240032	1	Tie-Strap (Not Shown)	
60	4460488	1	Mounting Base	
61	1001225580	1	Generator 2 Platform Interface Harness (Not Shown - See ELECTRICAL SECTION for Breakdown)	

FIGURE 5-23. PLATFORM CONSOLE ASSEMBLY (WITH 1 CELL LSS) (SN 0300256997 through 0300272505)

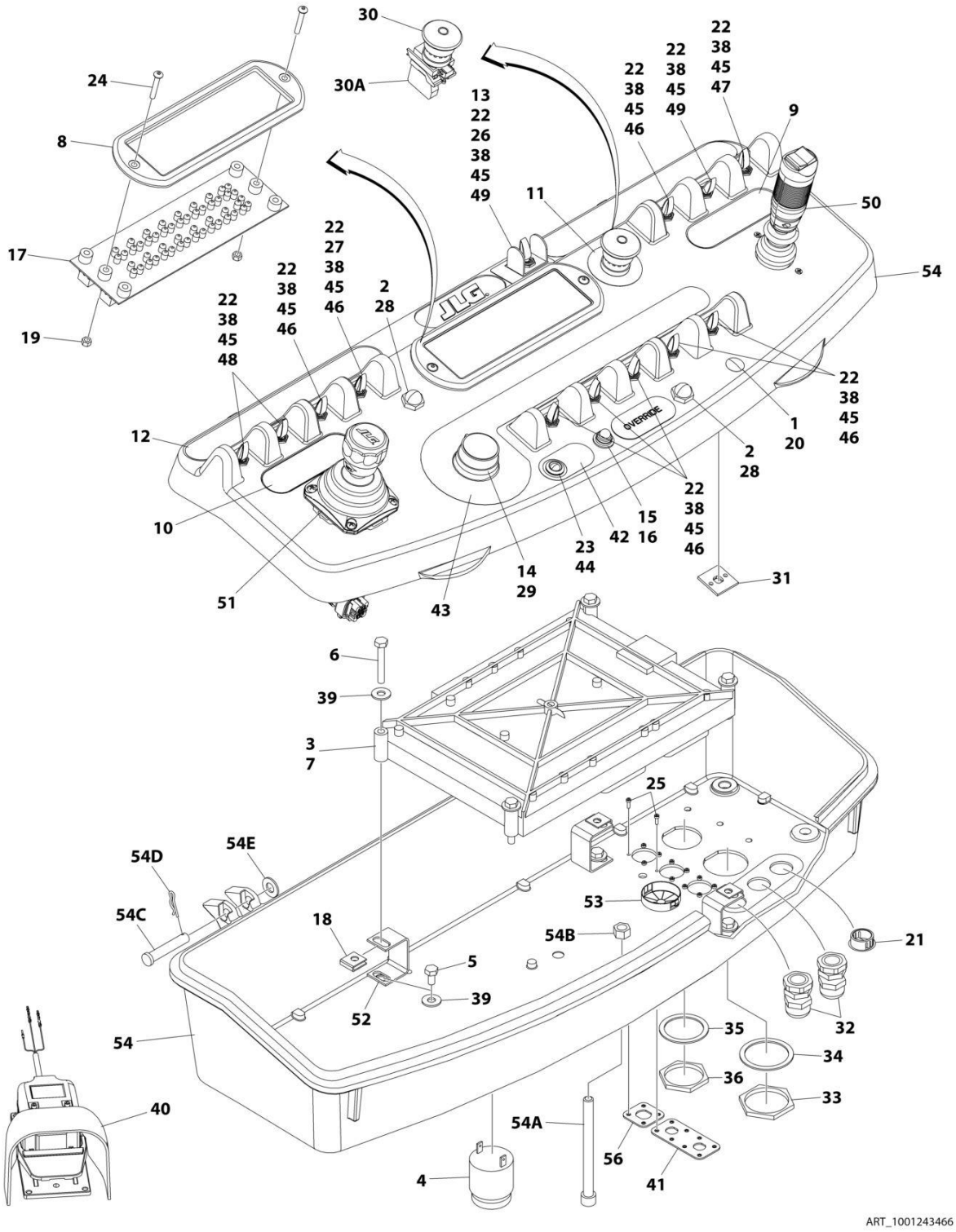
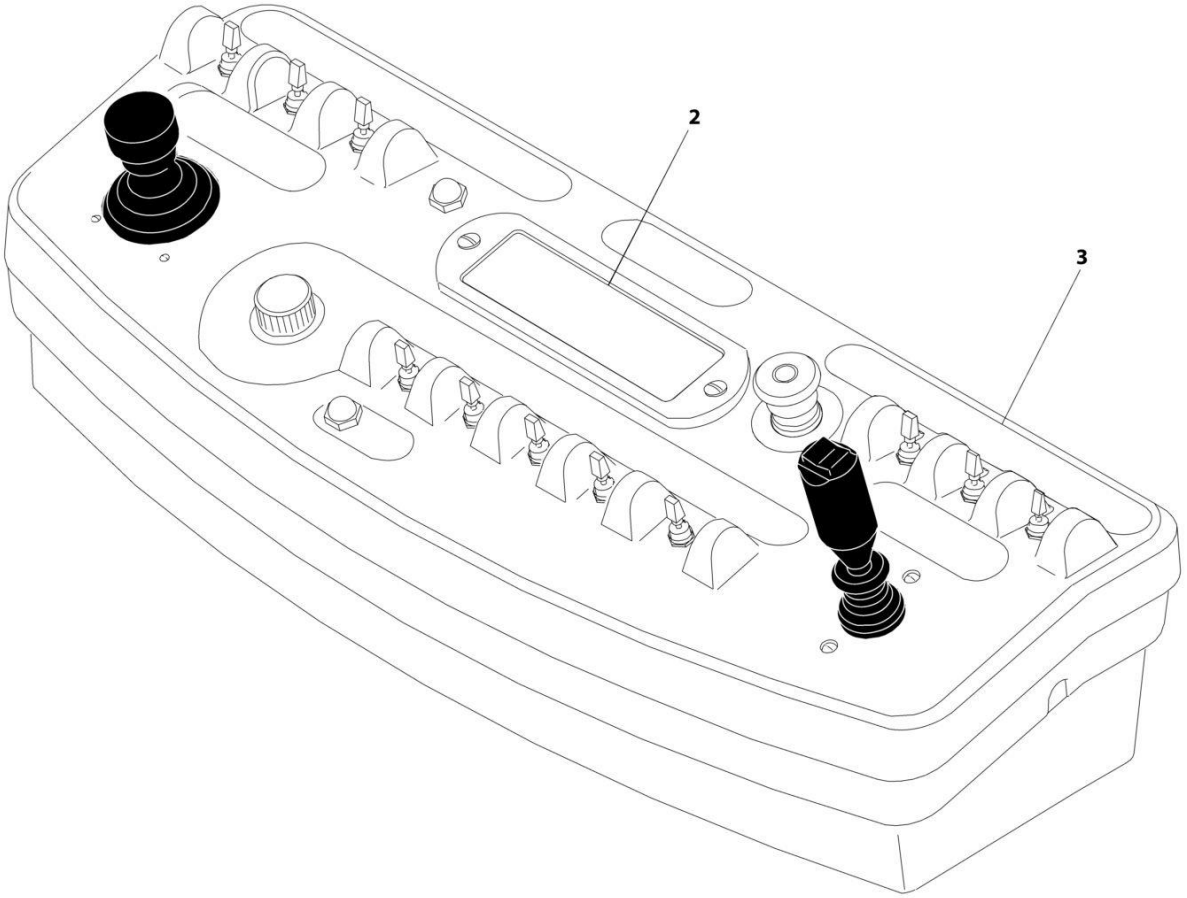


FIGURE 5-23. PLATFORM CONSOLE ASSEMBLY (WITH 1 CELL LSS) (SN 0300256997 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243466	Ref	PLATFORM CONSOLE ASSEMBLY (WITH 1 CELL LSS)	A
1	0100009	AR	Sealant	
2	0100035	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4 x 1/2	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	1600343	1	Module, Control (Note: Re-calibration Required when Replaced)	
8	1671176	1	Bezel	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1704260	1	Decal - EMS	
12	1705744	1	Decal - Horn	
13	1706741	1	Decal - Jib Select	
14	2560136	1	Handle, Knob	
15	2920028	1	Lamp, Indicator	
16	2920029	1	Bulb	
17	2920154	1	Panel, LED Light	
18	3300353	4	Nut, Retainer	
19	3300408	2	Nut	
20	3520026	1	Plug, Hole	
21	3520030	1	Plug, Hole	
22	3790012	13	O-Ring	
23	3790015	1	O-Ring	
24	3900183	2	Bolt #10 x 1-1/4	
25	3900349	12	Capscrew M2.5	
26	4060906	1	Guard, Switch	
27	4071074	1	Shim, Switch	
28	4360387	2	Switch, Pushbutton	
29	4360407	1	Controller, Speed	
29	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
29	70003784	1	Seal	
30	4360475	1	Switch, Emergency Stop	
30	7020175	1	Cap, Red	
30A	7020176	1	Block, Contact	
31	4460234	3	Base, Mounting	
32	4460428	2	Connector, Strain Relief	
33	4460470	1	Nut, Terminal	
34	4460471	1	Washer, Terminal	
35	4460496	1	Washer, Terminal	
36	4460497	1	Nut, Terminal	
37	4460905	AR	Seal, Plug (Not Shown)	
38	4740397	13	Seal, Plug (Not Shown)	
39	4751400	8	Washer 1/4	
40	1001117174	1	Footswitch Assembly (See FOOTSWITCH ASSEMBLY for Breakdown)	
41	1001120338	1	Mount, Connector	
42	1001125194	1	Decal - Jib Stow	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001125195	1	Decal - Function Speed	
44	1001137364	1	Light, Indicator (Green)	
45	1001155044	13	Nut 15/32-32	
46	1001155045	8	Switch, Toggle	
47	1001159256	1	Switch, Toggle	
48	1001161709	2	Switch, Toggle	
49	1001161710	2	Switch, Toggle	
50	1001166538	NLA	Controller Assembly - Drive and Steer (Use p/n 1001212415) (See CONTROLLER ASSEMBLY - DRIVE AND STEER for Breakdown)	
51	1001166539	NLA	Controller Assembly - Lift and Swing (Use p/n 1001129555) (See CONTROLLER ASSEMBLY - LIFT AND SWING for Breakdown)	
52	1001172760	4	Bracket, Support	
53	1001185281	1	Plug	
54	1001201889	1	Box, Console	
54A	0630568	1	Capscrew 3/8 x 4-1/2	
54B	3311601	1	Nut 3/8	
54C	3430616	2	Pin, Clevis	
54D	3470003	2	Pin, Hair	
54E	4711600	2	Washer, 3/8	
55	1001220867	1	Harness, Console Box (Not Shown - See ELECTRICAL SECTION for Breakdown)	
56	1001220929	1	Mount, Connector	

FIGURE 5-24. DECAL AND LIGHT PANEL (ANSI SPECS)

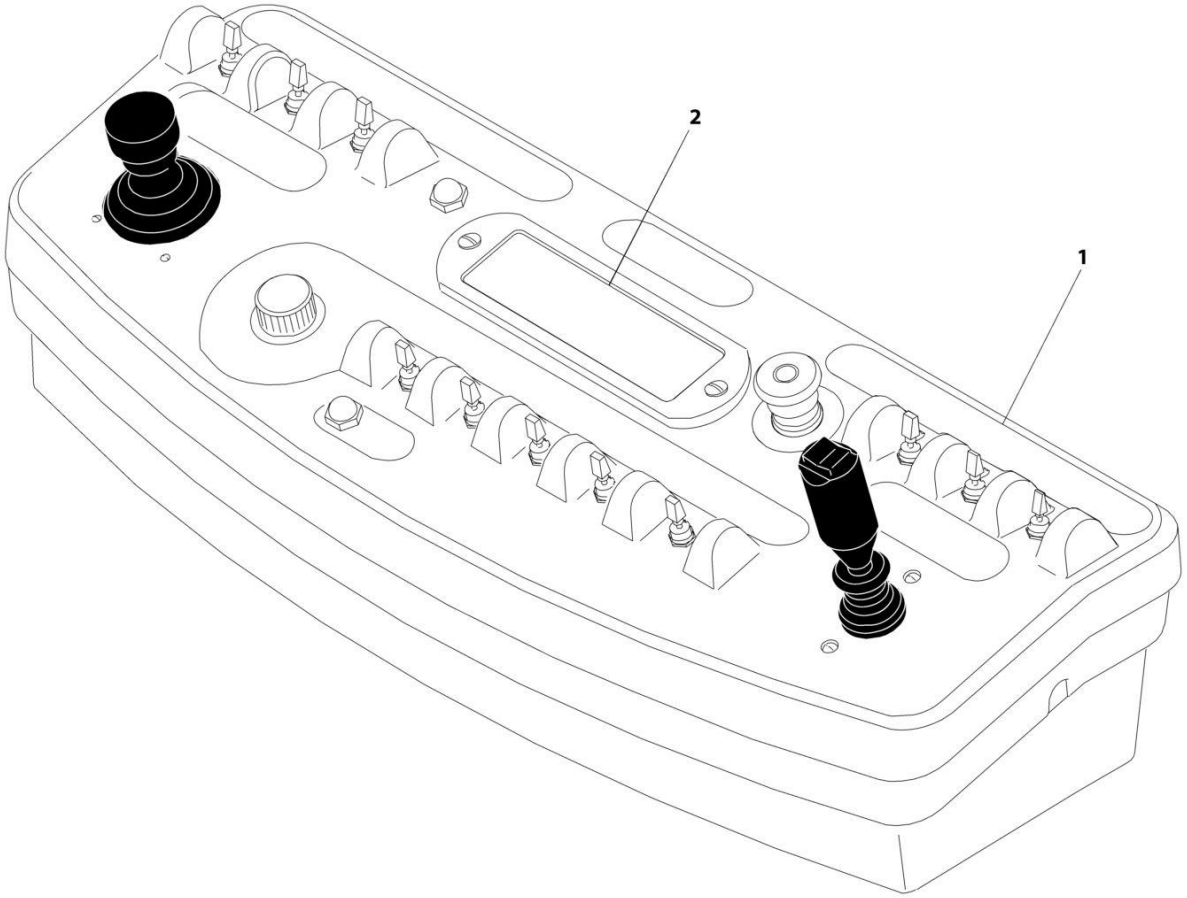


ART_1001121826_2OF2

FIGURE 5-24. DECAL AND LIGHT PANEL (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121826	Ref	DECAL AND LIGHT PANEL (ANSI SPECS)	A
2	1001122384	1	Decal - Display	
3	1001122611	1	Decal - Stop	

FIGURE 5-25. DECAL AND LIGHT PANEL (CE SPECS)



ART_1001121827_2OF2

FIGURE 5-25. DECAL AND LIGHT PANEL (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121827	Ref	DECAL AND LIGHT PANEL (CE SPECS)	A
1	1705974	1	Decal - Stop	
2	1705973	1	Decal - Display	

FIGURE 5-26. LCD DISPLAY INSTALLATION (SN 0300209000 through 0300248232)

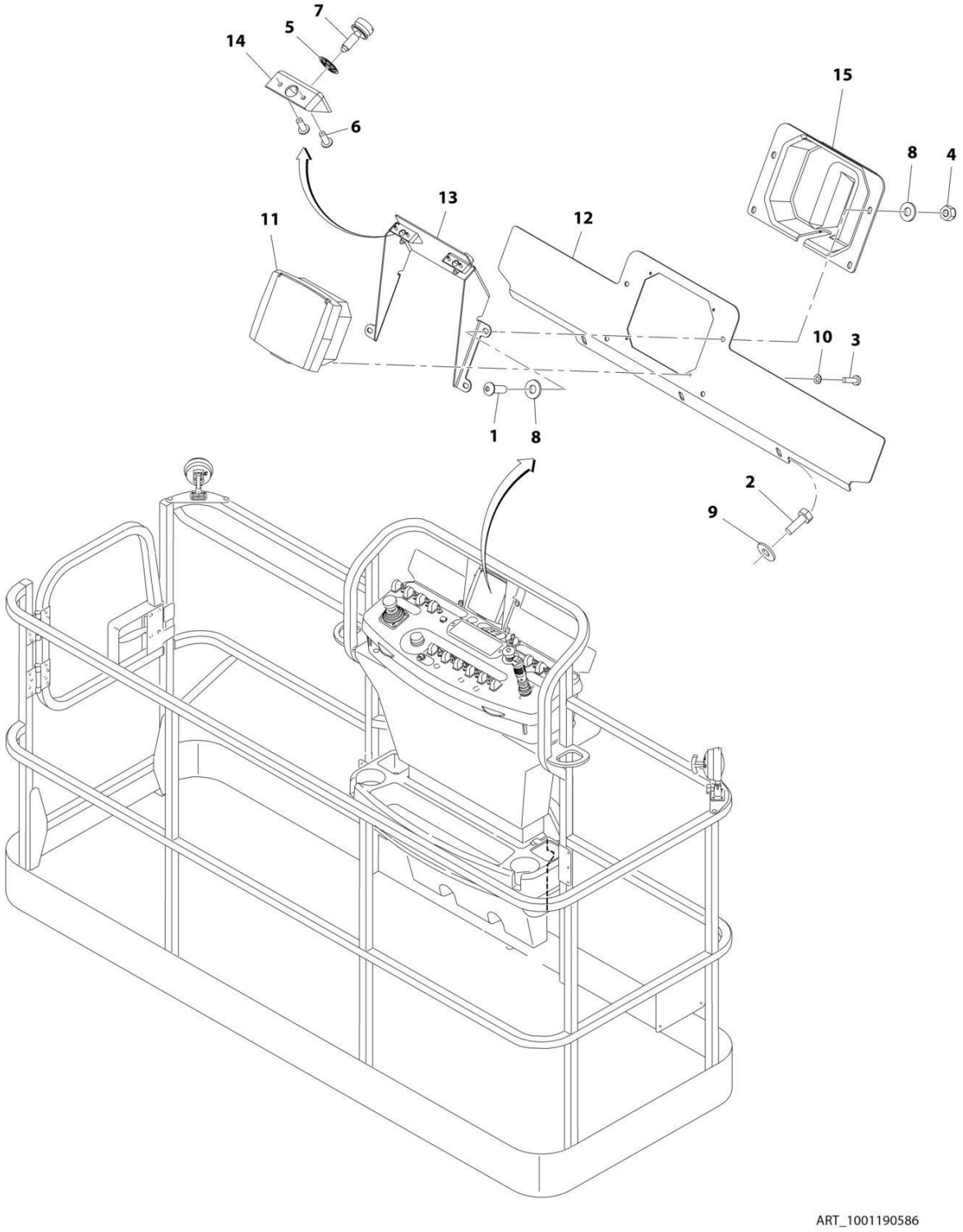


FIGURE 5-26. LCD DISPLAY INSTALLATION (SN 0300209000 through 0300248232)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190586	Ref	LCD DISPLAY INSTALLATION	C
1	0630448	4	Screw 1/4 x 3/4	
2	0641406	3	Bolt 1/4 x 3/4	
3	4010408	4	Bolt M4 x 16	
4	3300449	4	Nut 1/4	
5	3760308	2	Nut, Retainer	
6	3820034	4	Rivet	
7	3900174	2	Screw, Thumb	
8	4711400	8	Washer 1/4	
9	4751400	3	Washer 1/4	
10	4831400	4	Washer M4	
11	1001121837	1	Gauge, LCD **(SN 0300209000 through 0300216483)**	
11	1001126300	1	Decal - Platform Display	
11	70003533	1	AR Film	
11	70003534	1	Cover	
11	70003535	1	Hinge	
11	70003536	AR	Screw, Hinge	
11	1001176778	1	Gauge, LCD **(SN 0300216484 through 0300248232)**	
11	1001176783	1	Decal - Platform Display	
11	70003533	1	AR Film	
11	70003534	1	Cover	
11	70003535	1	Hinge	
11	70003536	AR	Screw, Hinge	
12	1001121943	1	Bracket, Mounting	
13	1001190587	1	Bracket, Protector	
14	1001122235	2	Bracket, Mounting	
15	1001122242	1	Cover	
16	1001125293	1	Harness, LCD Display (Not Shown - See ELECTRICAL SECTION for Breakdown)	

FIGURE 5-27. LCD DISPLAY INSTALLATION (SN 0300248233 through 0300272505)

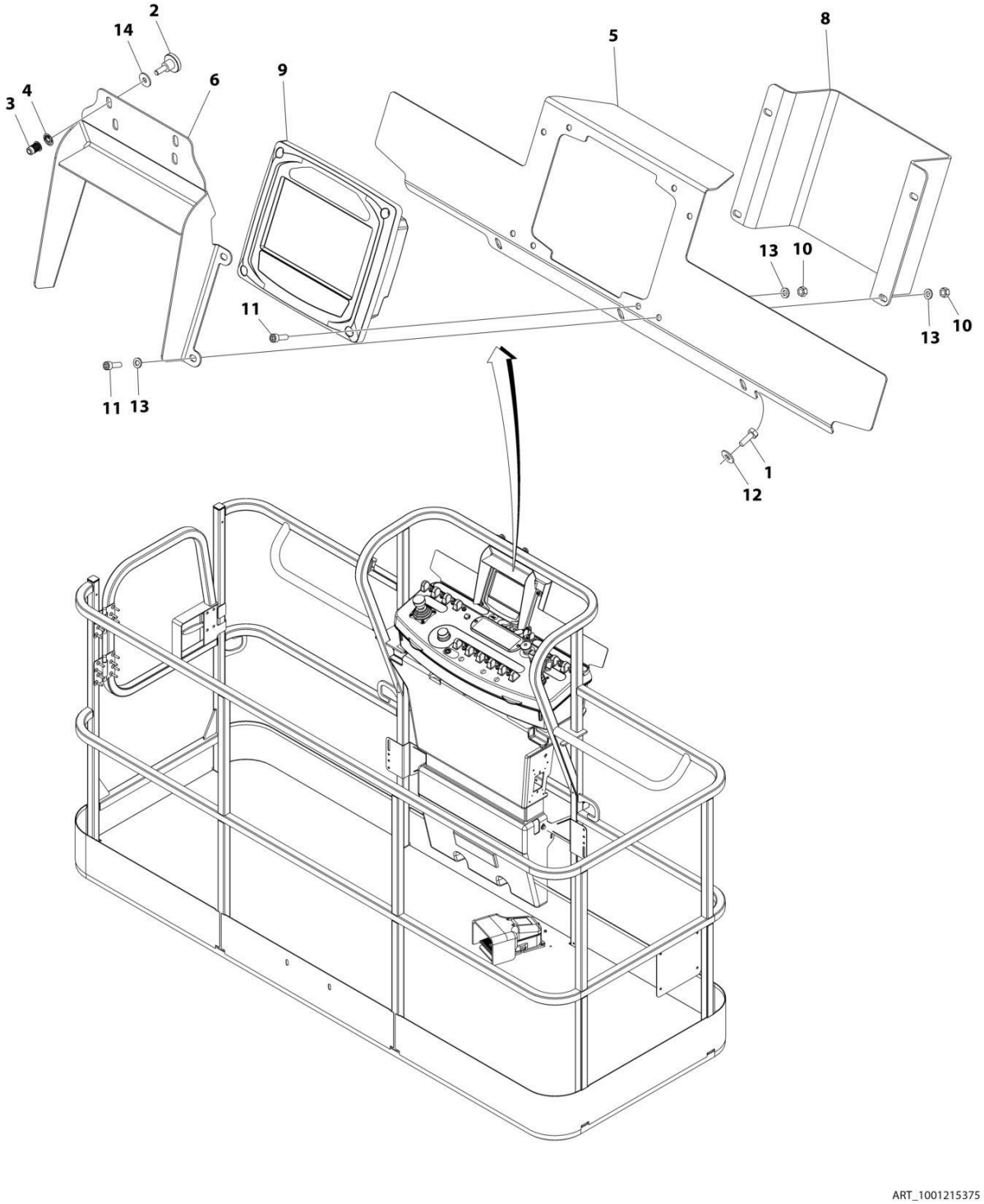


FIGURE 5-27. LCD DISPLAY INSTALLATION (SN 0300248233 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215375	Ref	LCD DISPLAY INSTALLATION	A
1	0641406001	3	Bolt 1/4 x 3/4	
2	1001173609	2	Screw, Thumb M6 x 16	
3	1001176636	2	Rivet, Nut M6	
4	1001177635	2	Nut M6	
5	1001215379	1	Bracket, Mounting	
6	1001215380	1	Bracket, Visor	
7	1001220482	1	Harness, LCD Display (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
8	1001228976	1	Cover	
9	1001229485	1	Electrical Assembly	
9	1001220955	1	Gauge, LCD Display	
9	1001176582	1	Decal - Platform Display	
9	1001180491	4	Screw #10	
9	1001229922	1	Screen Protector, LCD Display	
10	3290605001	8	Nut M6	
11	4031708001	8	Bolt M6 x 20	
12	4751400001	3	Washer 1/4	
13	4811700001	12	Washer M6	
14	4811702001	2	Washer M6	

FIGURE 5-28. CONTROLLER ASSEMBLY - LIFT AND SWING

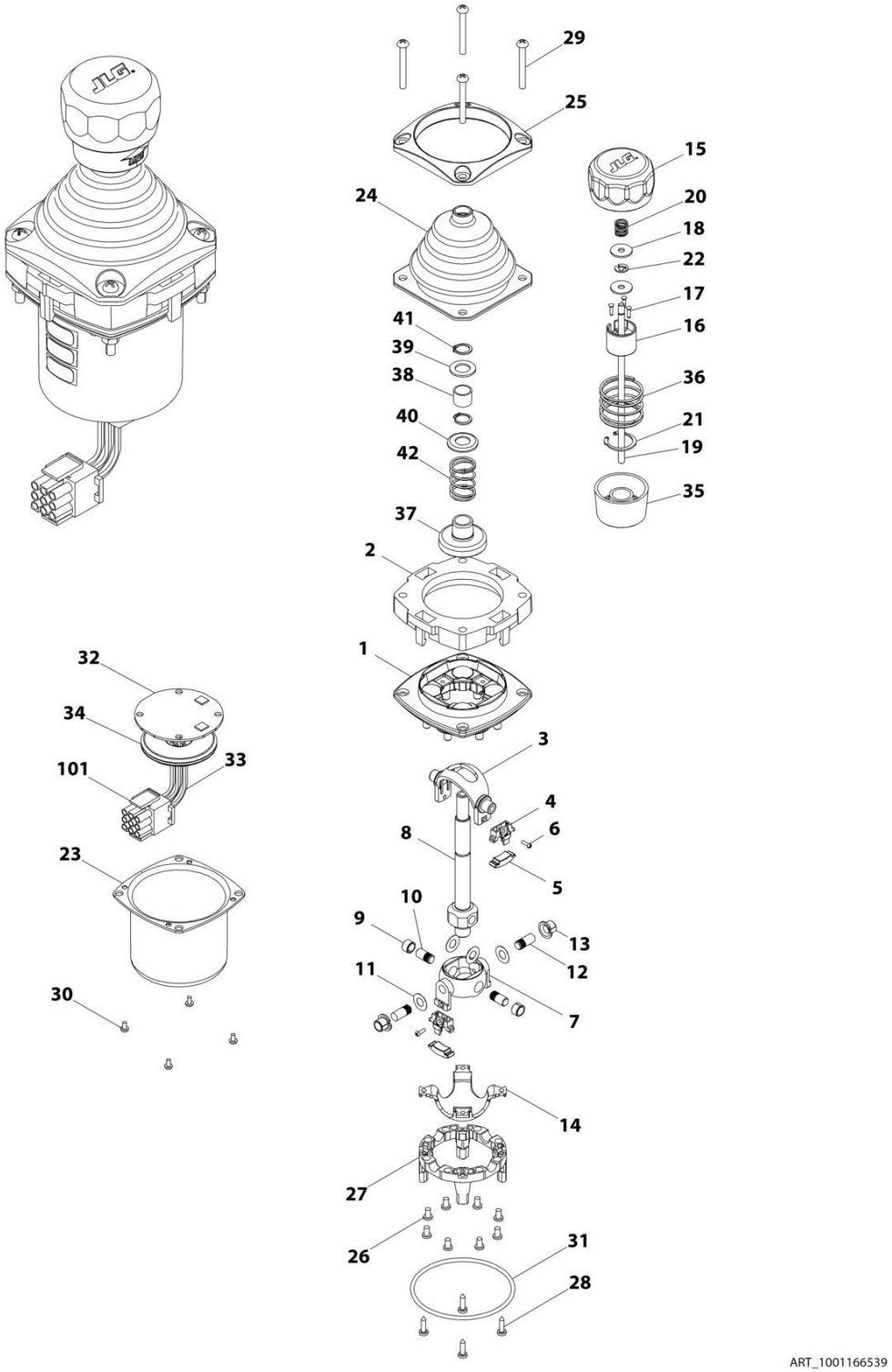


FIGURE 5-28. CONTROLLER ASSEMBLY - LIFT AND SWING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166539	Ref	CONTROLLER ASSEMBLY - LIFT AND SWING	D
		Ref	Note: Use p/n 1001129555 as replacement.	
1	See Note	1	Main Cast Body (Note: Not Available - Purchase Complete Assembly)	
2	70004752	1	Adapter	
3	See Note	1	Pivot Arm, Plastic (Note: Not Available - Purchase Complete Assembly)	
4	See Note	2	Holder, Magnet (Note: Not Available - Purchase Complete Assembly)	
5	See Note	2	Arc, Magnet (Note: Not Available - Purchase Complete Assembly)	
6	See Note	2	Screw (Note: Not Available for Purchase)	
7	See Note	1	Pivot Arm, Cast (Note: Not Available - Purchase Complete Assembly)	
8	See Note	1	Shaft, Main (Note: Not Available - Purchase Complete Assembly)	
9	See Note	2	Bearing (Note: Not Available - Purchase Complete Assembly)	
10	See Note	2	Pin (Note: Not Available - Purchase Complete Assembly)	
11	See Note	4	Shim (Note: Not Available - Purchase Complete Assembly)	
12	See Note	2	Pin (Note: Not Available - Purchase Complete Assembly)	
13	See Note	2	Bearing (Note: Not Available - Purchase Complete Assembly)	
14	See Note	1	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	8	Screw (Note: Not Available for Purchase)	
27	See Note	1	Base Mounting (Note: Not Available - Purchase Complete Assembly)	
28	See Note	4	Screw (Note: Not Available for Purchase)	
29	70004764	4	Screw	
30	70004765	4	Screw	
31	70004766	1	O-Ring	
32	See Note	1	Plate (Note: Not Available - Purchase Complete Assembly)	
33	See Note	1	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	
41	70004774	2	Ring, Retaining	
42	70004775	1	Spring	
101	4460265	1	Connector - 9 Position	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460226	6	Socket, Female	

FIGURE 5-29. CONTROLLER ASSEMBLY - DRIVE AND STEER

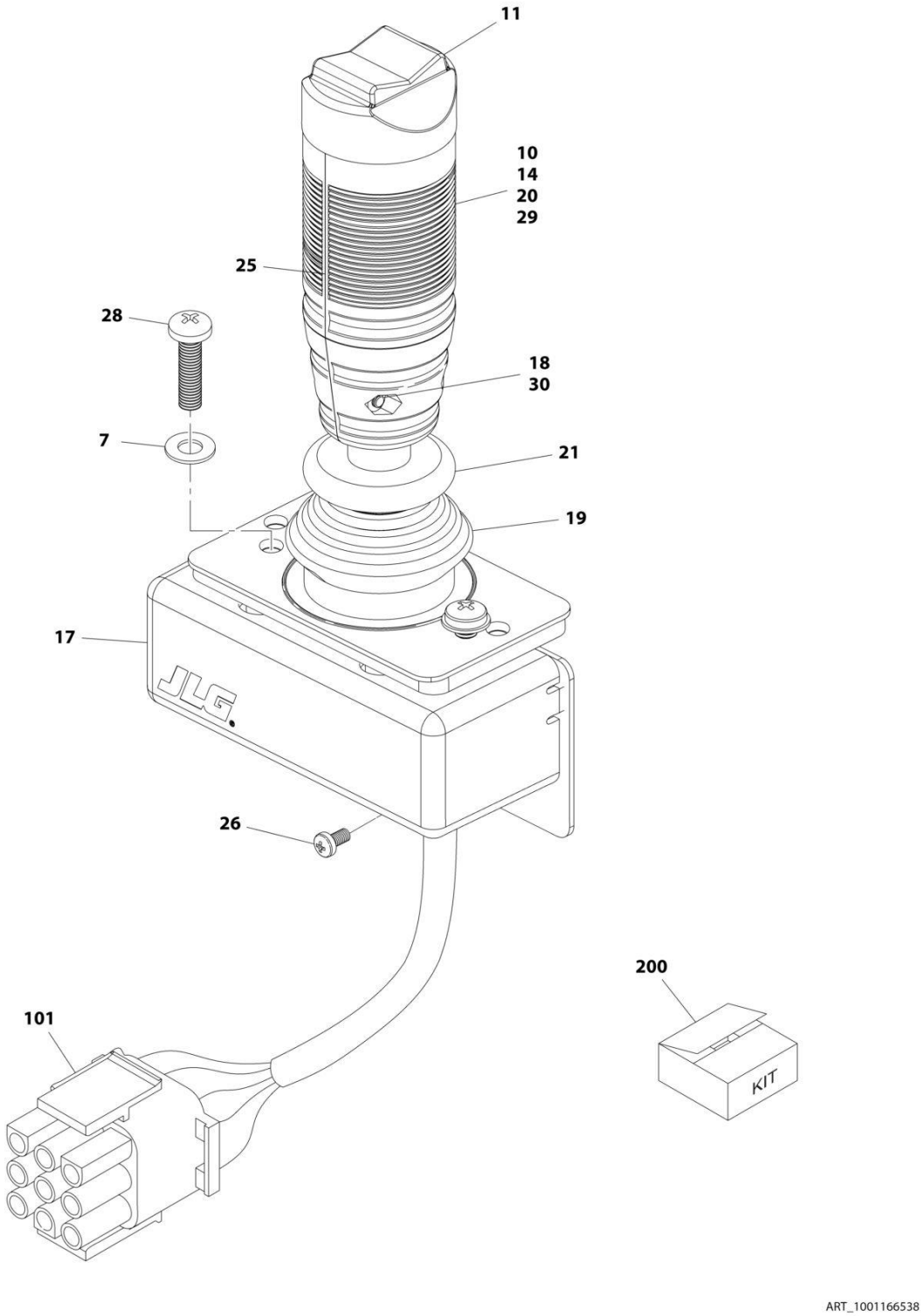


FIGURE 5-29. CONTROLLER ASSEMBLY - DRIVE AND STEER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166538	Ref	CONTROLLER ASSEMBLY - DRIVE AND STEER	G
	See Note	Ref	Note: Use p/n 1001212415 Kit as Replacement.	
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 Item 200)	
20	70004745	NLA	Tube, Locking (Use Item 200)	
21	70004746	NLA	Disc, Locking (Use Item 200)	
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	
200	70005230	1	Boot Kit (Includes Items 19-21)	

FIGURE 5-30. FOOTSWITCH ASSEMBLY

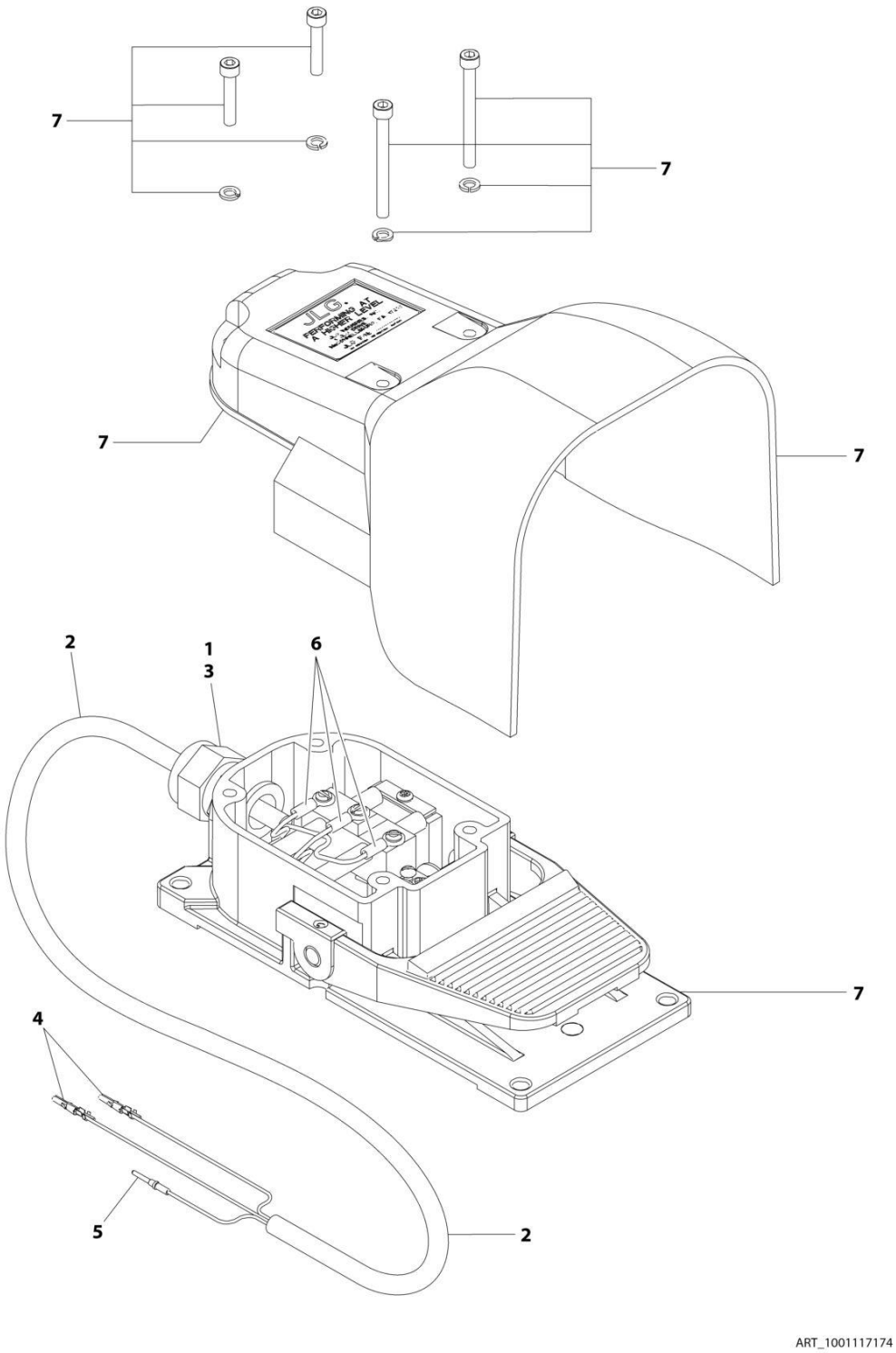


FIGURE 5-30. FOOTSWITCH ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117174	Ref	FOOTSWITCH ASSEMBLY	B
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, 20A	
7	70002903	1	Gasket	
7	70002904	1	Kit, Replacement Bolt	
7	70002905	1	Cover	

FIGURE 5-31. TRAY INSTALLATION

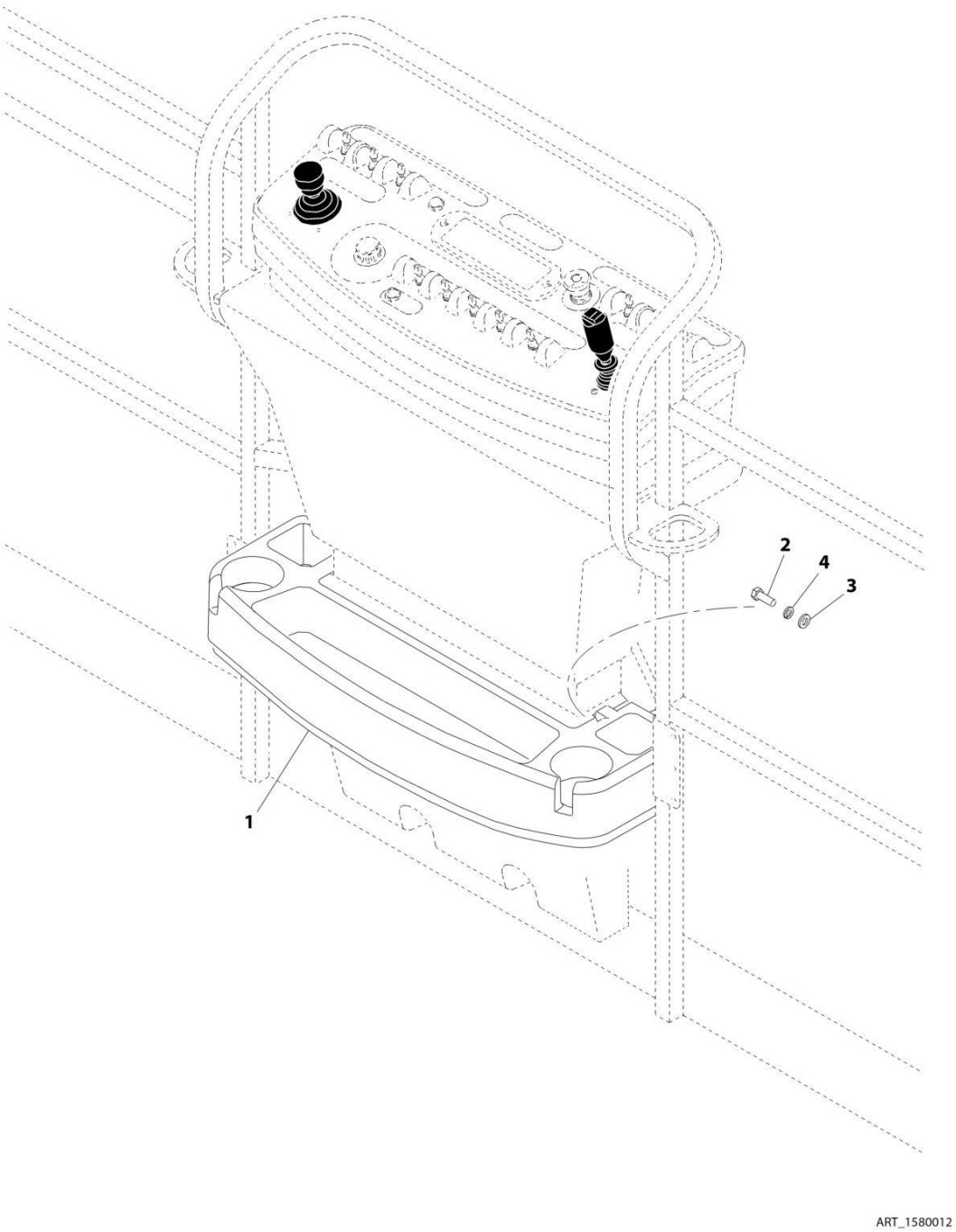


FIGURE 5-31. TRAY INSTALLATION

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

FIGURE 5-32. SKYEYE INSTALLATION

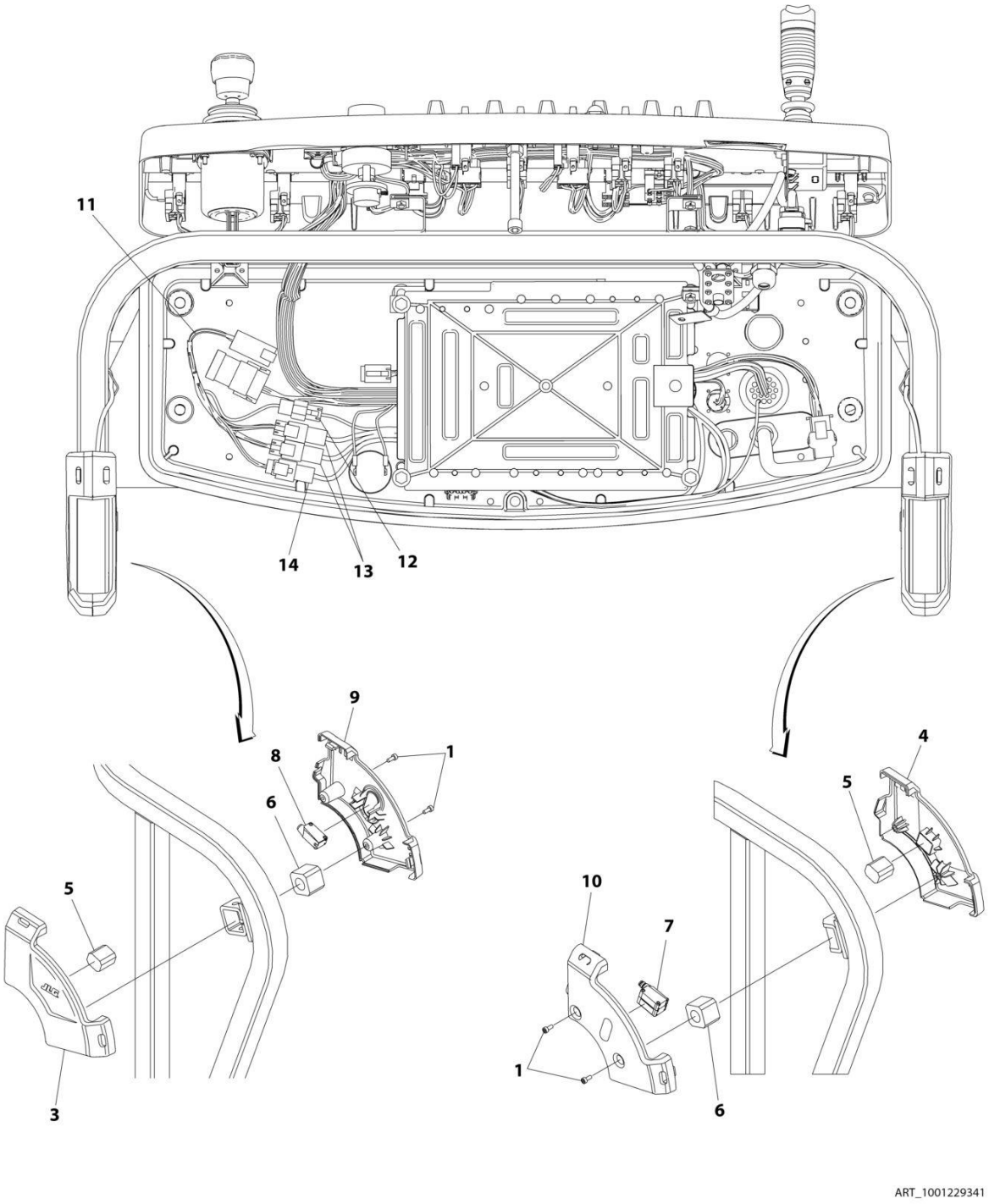


FIGURE 5-32. SKYEYE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229341	Ref	SKYEYE INSTALLATION	B
1	4031505	4	Bolt M4 x 10	
2	4240033	AR	Tie-Strap (Not Shown)	
3	1001227633	1	Housing, LH Outer	
4	1001227634	1	Housing, RH Outer	
5	1001227985	2	Shim	
6	1001227987	2	Shim	
7	1001228224	2	Sensor, Receiver	
8	1001228225	1	Sensor, Emitter	
9	1001232164	1	Housing, LH Inner	
10	1001232165	1	Housing, RH Inner	
11	1001237865	1	Harness, Skyeye Intermediate (See Separate Breakdown in ELECTRICAL Section)	
12	1001238319	AR	Harness, Skyeye Drain Jumper	
12	1001187674	1	Plug, Male - 2 Position	
12	4460942	1	Terminal	
12	4460466	1	Plug, Terminal	
12	4460508	1	Pin, Male	
13	1001237863	2	Harness, Skyeye Receiver (See Separate Breakdown in ELECTRICAL Section)	
14	1001237864	1	Harness, Skyeye Emitter (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 5-33. SKYGUARD SYSTEM INSTALLATION (SN 0300209000 through 0300256996)

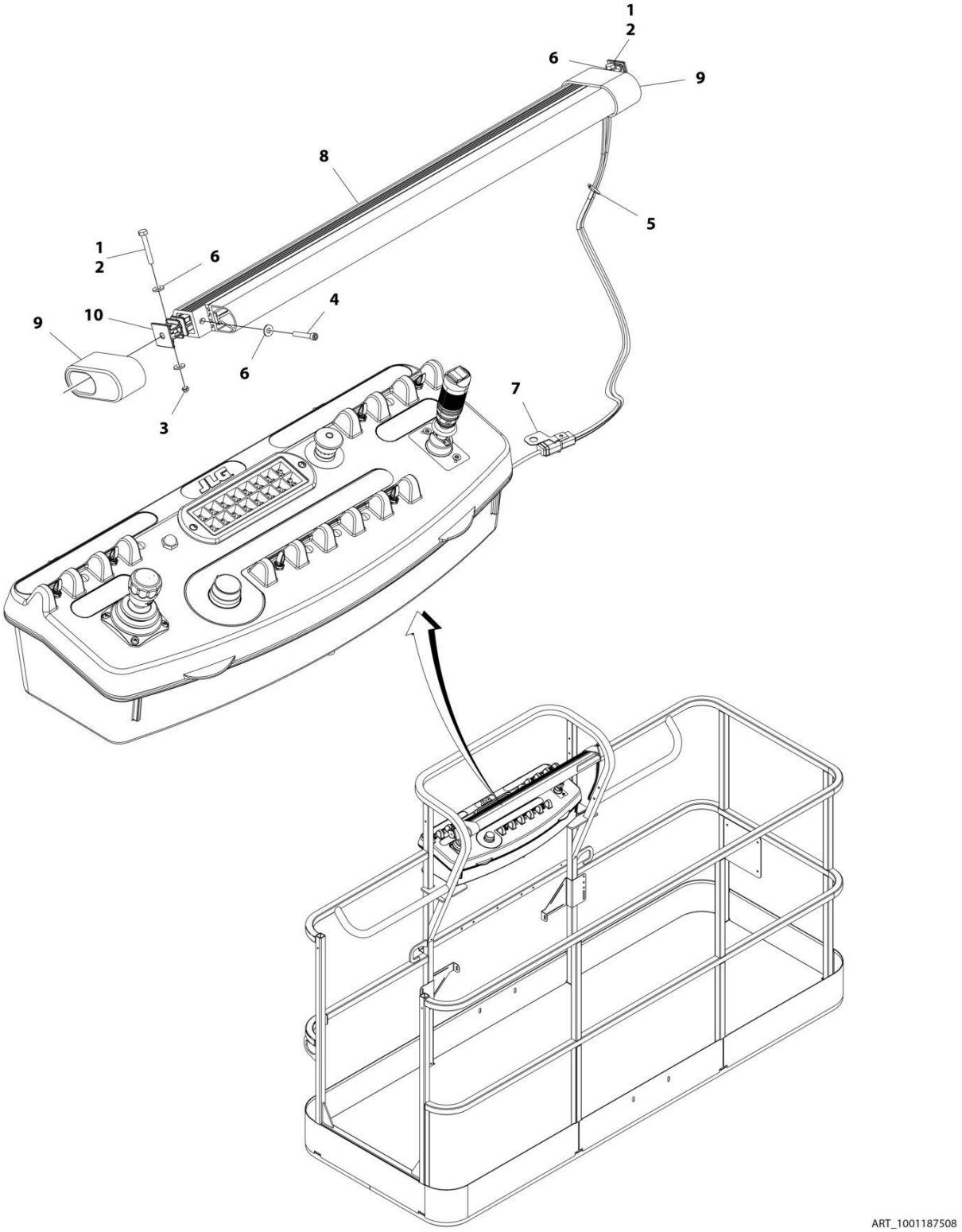


FIGURE 5-33. SKYGUARD SYSTEM INSTALLATION (SN 0300209000 through 0300256996)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187508	Ref	SKYGUARD SYSTEM INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0641414	2	Bolt 1/4 x 1-3/4	
3	3300430	2	Nut 1/4	
4	3931424	2	Capscrew 1/4 x 1-1/2	
5	4240033	AR	Tie-Strap	
6	4711400	AR	Washer 1/4	
7	1001120328	1	Mount	
8	1001137673	1	Switch, SkyGuard Assembly	
9	1001186517	2	Cover, Platform Sensor	
10	1001188889	2	Support, Block **(SN 0300209000 through 0300244704)**	
10	1001209664	2	Support, Block **(SN 030024705 through 0300256996)**	

FIGURE 5-34. SKYGUARD BAR INSTALLATION (SN 0300256997 through 0300272505)

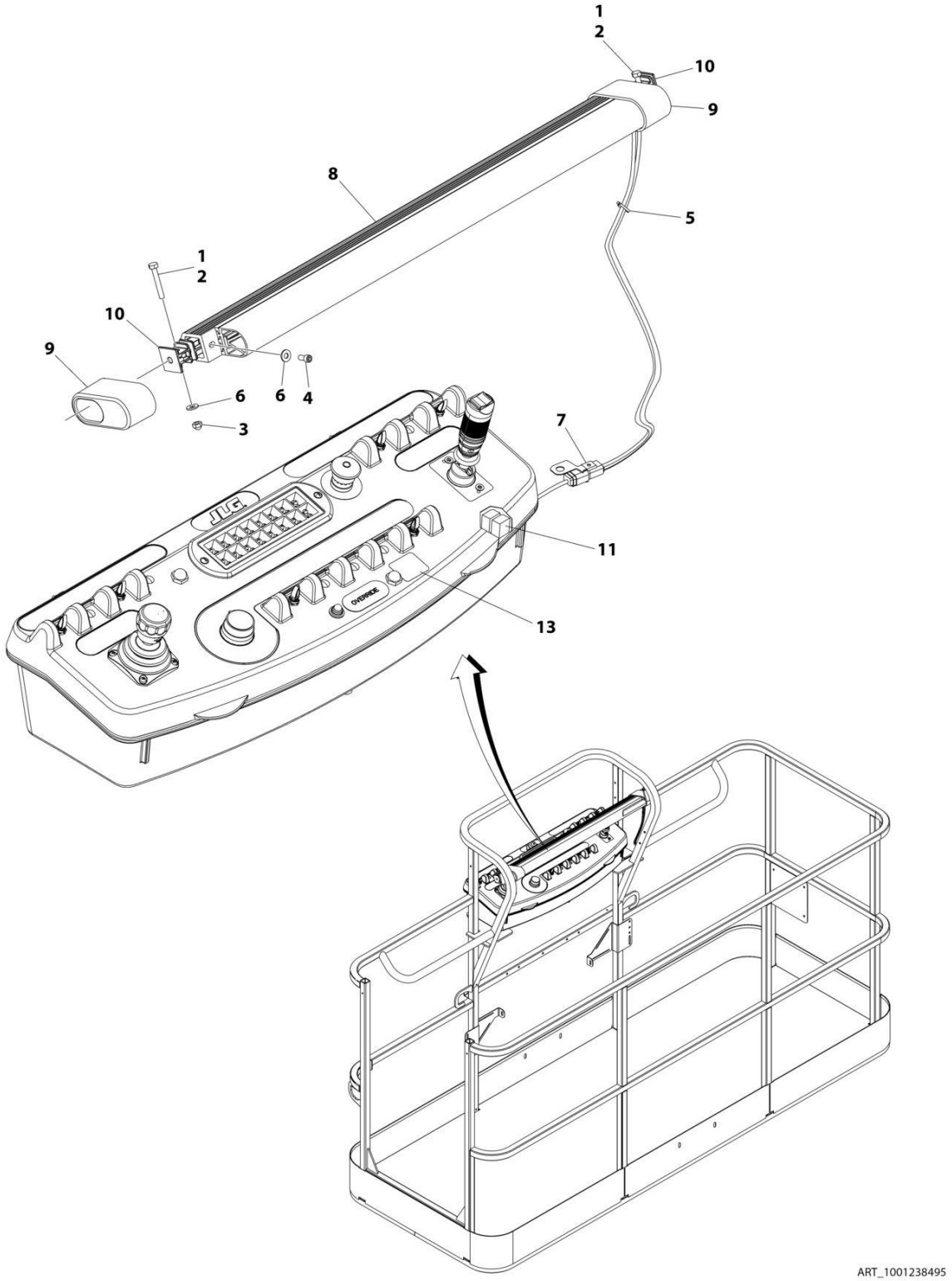


FIGURE 5-34. SKYGUARD BAR INSTALLATION (SN 0300256997 through 0300272505)

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

FIGURE 5-35. CROSS RAIL INSTALLATION

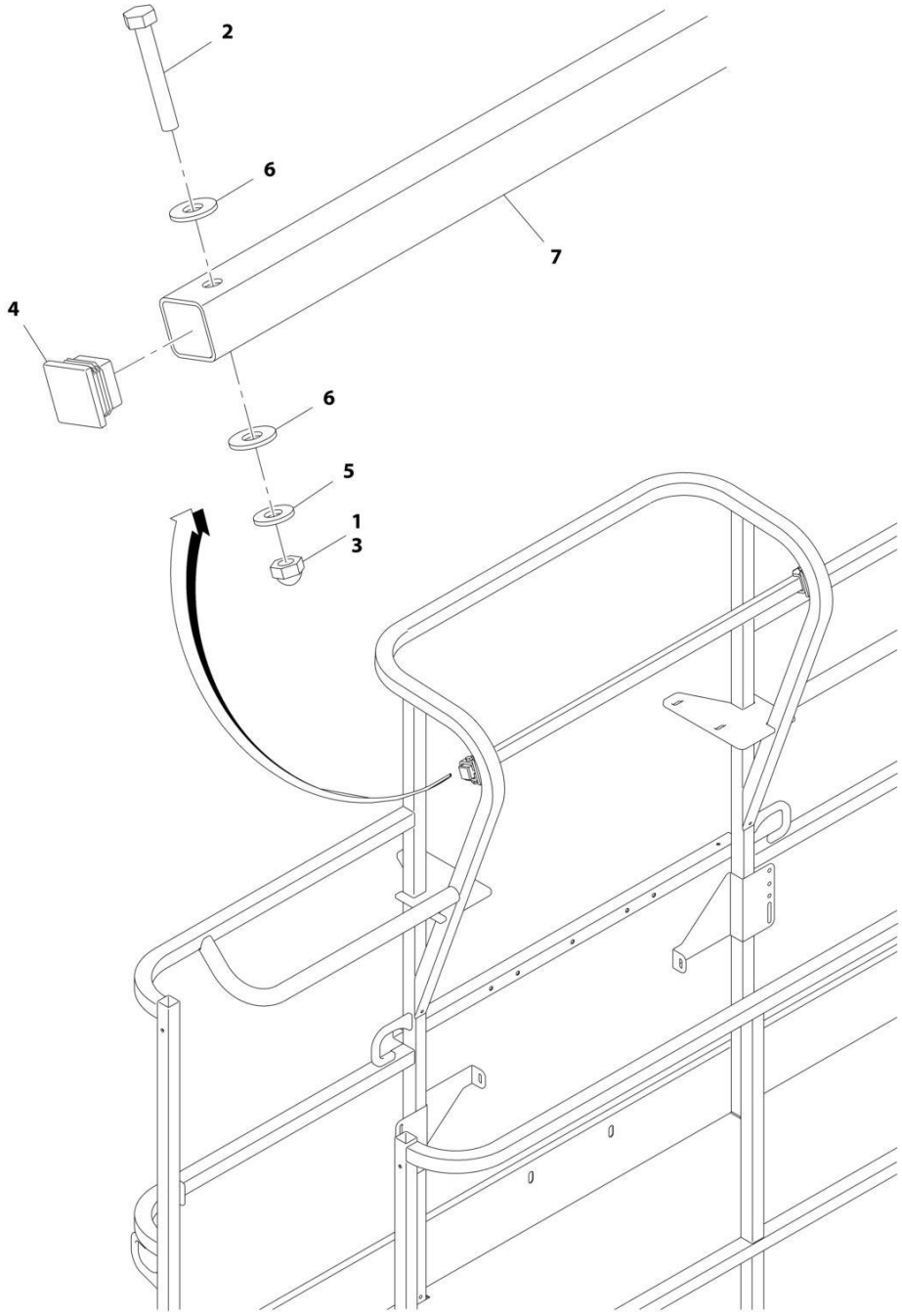


FIGURE 5-35. CROSS RAIL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182138	Ref	CROSS RAIL INSTALLATION	A
1	0100071	AR	Compound, Locking	
2	0641414	2	Bolt 1/4 x 1-3/4	
3	3300430	2	Nut 1/4	
4	3520182	2	Plug	
5	4711400	2	Washer 1/4	
6	4751400	4	Washer 1/4	
7	1001191708	1	Bar	

FIGURE 5-36. SKYGLAZIER INSTALLATIONS (ANSI AND CSA SPECS)

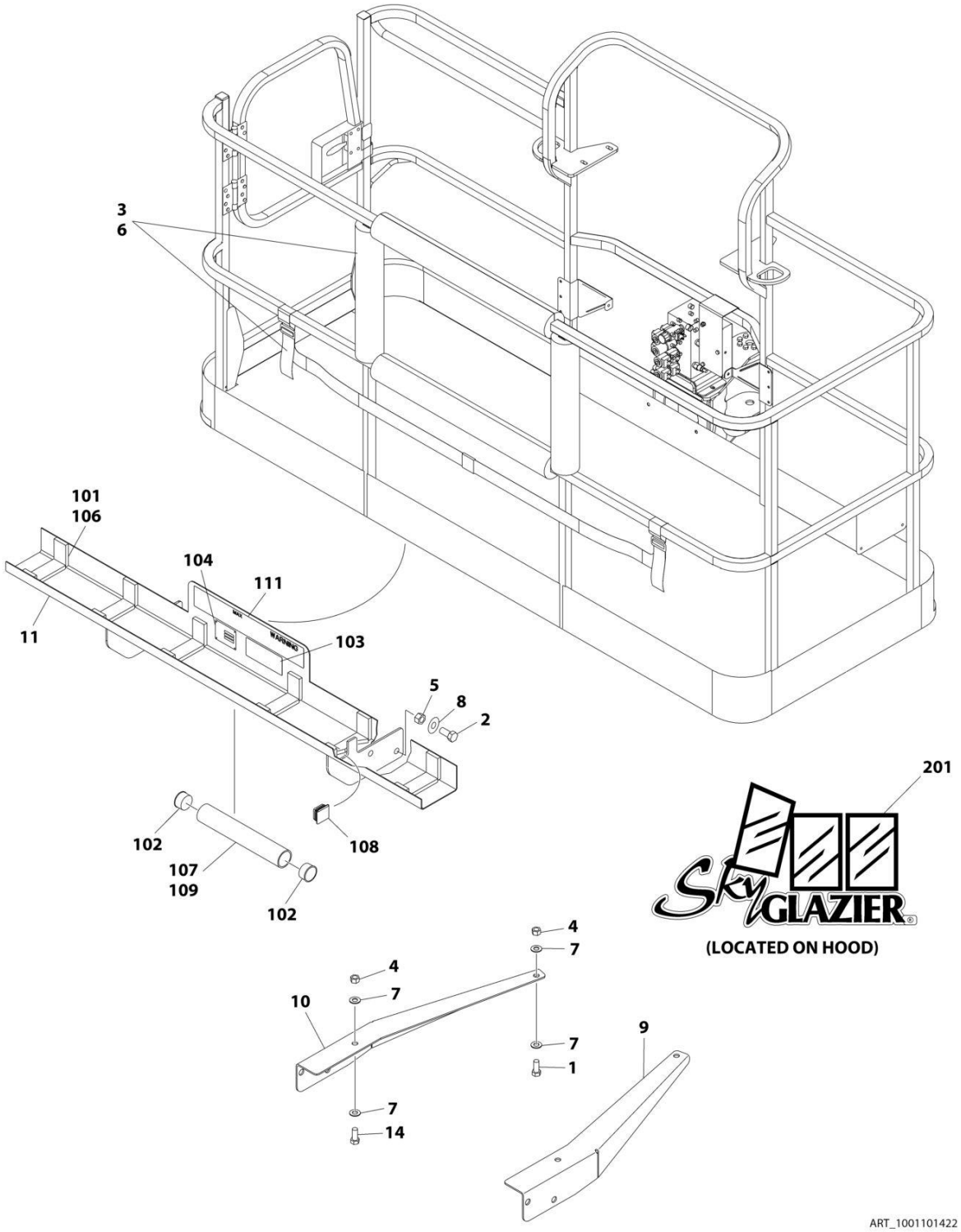


FIGURE 5-36. SKYGLAZIER INSTALLATIONS (ANSI AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	SKYGLAZIER INSTALLATIONS (ANSI AND CSA SPECS)	
	1001101422	Ref	ANSI and CSA Specs	C
	1001101422	Ref	Australian Specs	C
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	2902212	1	Bumpers and Strap Kit	
3	0940102	1	Bumper Only	
3	4240149	1	Strap Only	
4	3312005	4	Nut 5/8	
5	3312205	4	Nut 3/4	
6	4420014	AR	Tape	
7	4712000	6	Washer 5/8	
8	4712200	8	Washer 3/4	
9	1001099366	1	Support	
10	1001099367	1	Support	
11	1001101421	1	Tray Assembly (See Items 101-111 for Breakdown)	
14	8310129	2	Bolt 3/4 x 2-1/2	
	1001101421	Ref	TRAY ASSEMBLY	E
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	1701509	1	Decal - Manual	
104	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
106	3340956	1	Pad Kit	
107	3460334	1	Tube	
108	3520071	2	Plug	
109	4420066	AR	Tape, Double Sided	
111	1001163131	2	Decal - Glazier Capacity	
	0272418	Ref	SKYGLAZIER DECAL INSTALLATION	4
201	1705358	2	Decal - SkyGlazier	

FIGURE 5-37. SKYGLAZIER INSTALLATION (AUSTRALIAN SPECS) (SN 0300209000 through 0300234293)

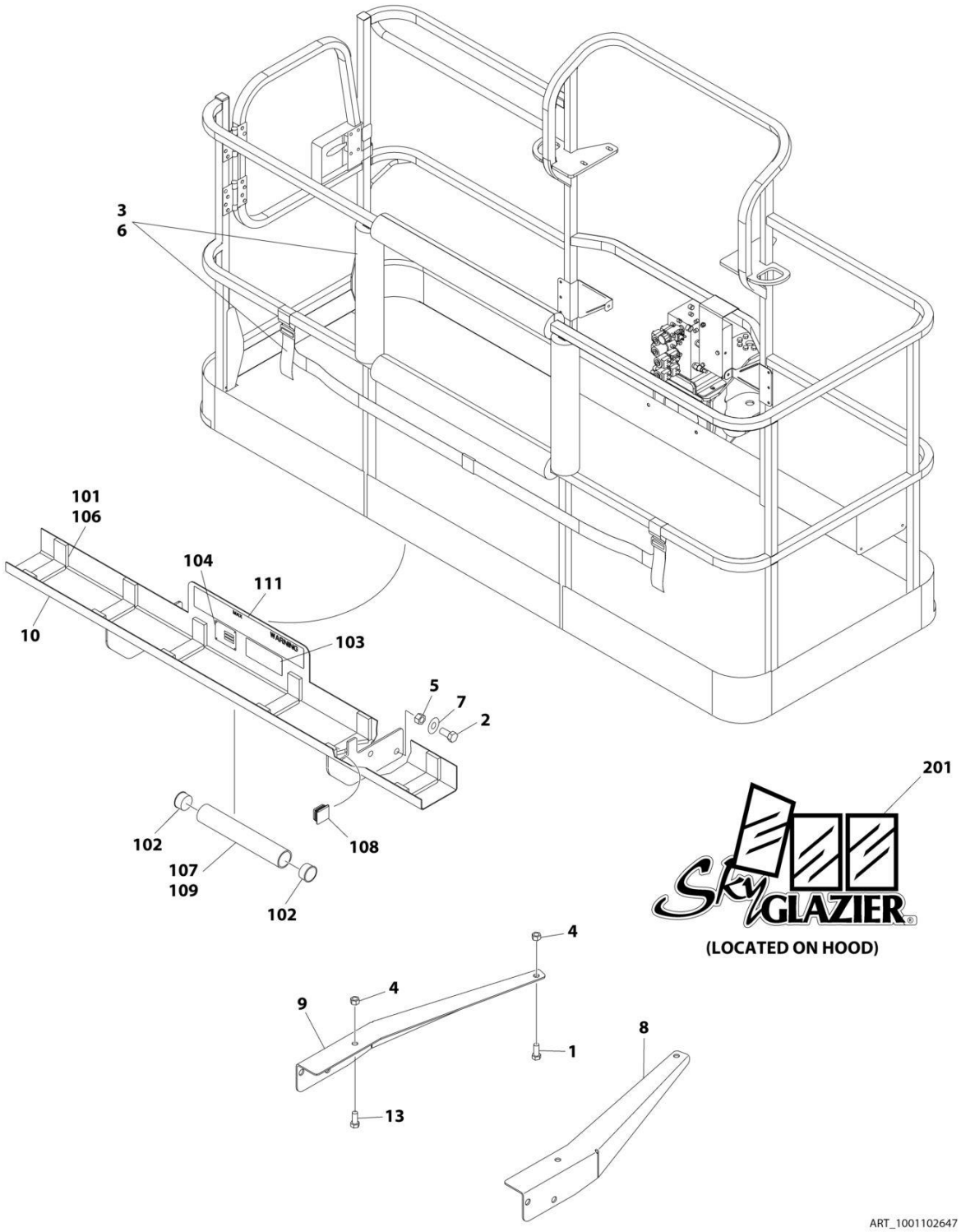


FIGURE 5-37. SKYGLAZIER INSTALLATION (AUSTRALIAN SPECS) (SN 0300209000 through 0300234293)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001102647	Ref	SKYGLAZIER INSTALLATION (AUSTRALIAN SPECS) **(SN 0300209000 through 0300234293)**	C
1	0642026	2	Bolt 5/8 x 3-1/4	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	2902212	1	Bumpers and Strap Kit	
3	0940102	1	Bumper Only	
3	4240149	1	Strap Only	
4	3312005	4	Nut 5/8	
5	3312205	4	Nut 3/4	
6	4420014	AR	Tape	
7	4712200	8	Washer 3/4	
8	1001099366	1	Support	
9	1001099367	1	Support	
10	1001101421	1	Tray Assembly (See Items 101-111 for Breakdown)	
13	8310230	2	Bolt 5/8 x 4	
	1001101421	Ref	TRAY ASSEMBLY	E
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	
101	4420066	AR	Tape, Double Sided	
111	1001163131	2	Decal - Glazier Capacity	
	0272418	Ref	SKYGLAZIER DECAL INSTALLATION	4
201	1705358	2	Decal - SkyGlazier	

FIGURE 5-38. SKYLINE INSTALLATION

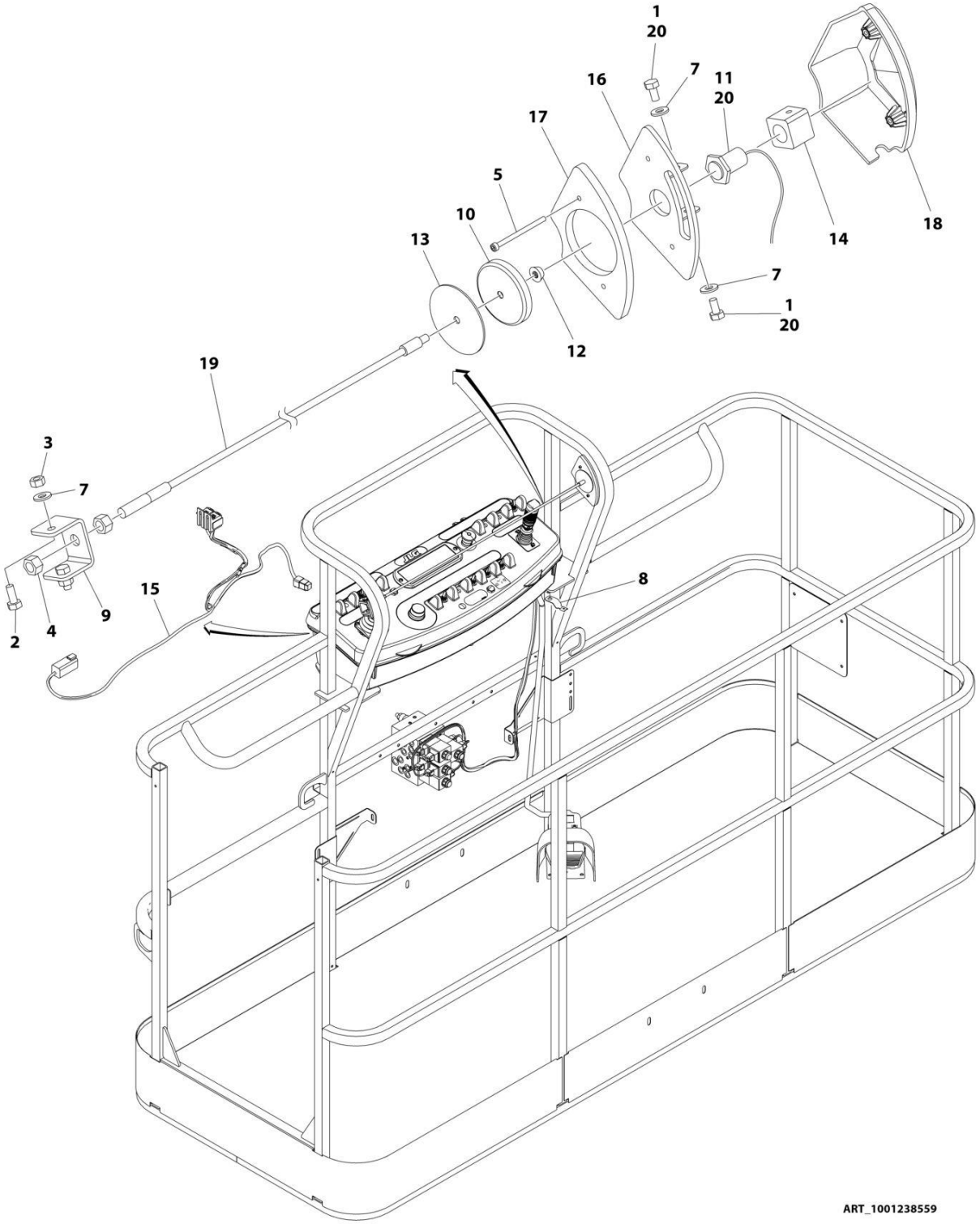
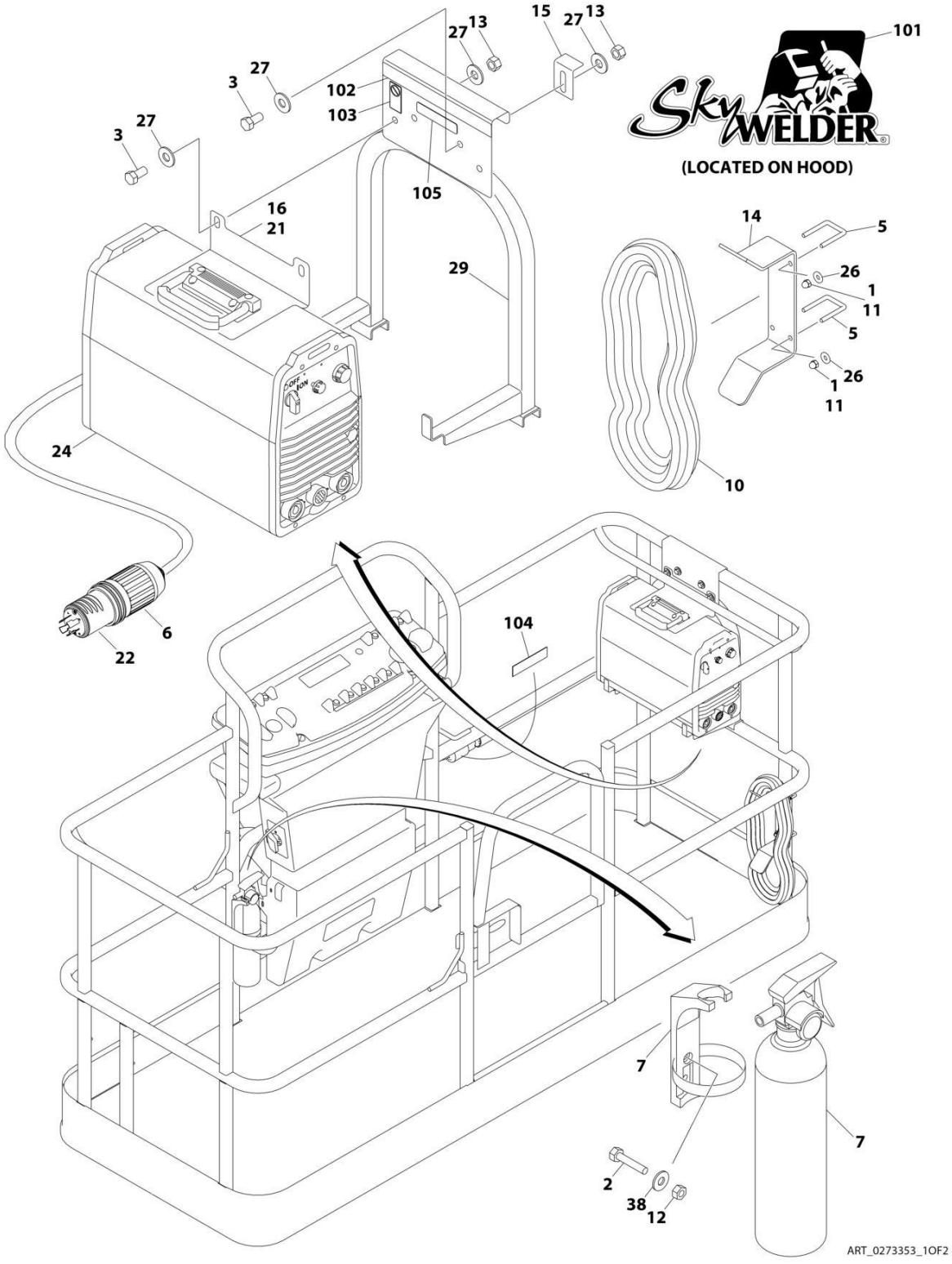


FIGURE 5-38. SKYLINE INSTALLATION

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

FIGURE 5-39. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)



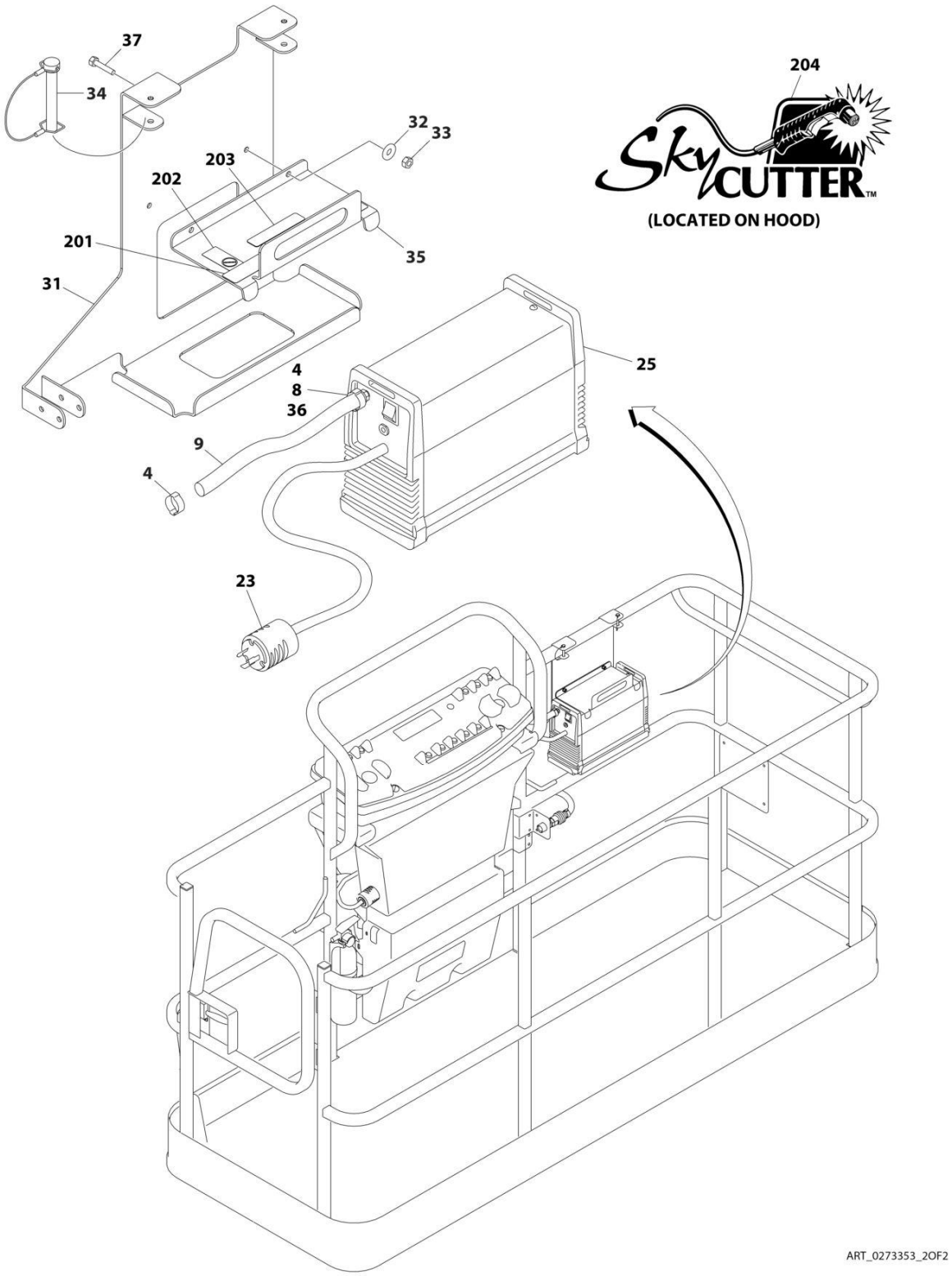

37
34
32
33
203
202
201
35
31
204
SkyCUTTER™
(LOCATED ON HOOD)
4
8
36
25
9
4
23
ART_0273353_2OF2

FIGURE 5-39. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273353	Ref	SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)	G
		Ref	Note: ANSI, ANSI Export and CSA Spec Only.	
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320177	2	Clamp	
5	1320302	2	Clamp	
6	1671093	1	Cover, Plug	
7	2030010	1	Extinguisher, Fire	
8	2180832	1	Fitting, Barbed/NPT	
9	2720160	4.5 ft /1.4m	Hose	
10	2902217	1	Weld Leads Kit	
11	3300151	4	Nut 1/4	
12	3311005	2	Nut #10	
13	3311605	4	Nut 3/8	
14	3573400	1	Bracket	
15	3577121	2	Angle	
16	3573642	1	Plate	
20	4240099	AR	Tie-Strap (Not Shown)	
21	4420037	2.4 ft /.7m	Tape	
22	4460962	1	Plug, Twist Lock	
23	4460971	1	Plug, Twist Lock	
24	4530028	1	Welder Assembly (See WELDER ASSEMBLY for Breakdown)	
25	1001098012	1	Plasma Cutter Assembly (See PLASMA CUTTER ASSEMBLY for Breakdown)	
26	4751400	4	Washer 1/4	
27	4751600	8	Washer 3/8	
29	4846627	1	Support	
31	1001145405	1	Bracket	
32	4811700	2	Washer M6	
33	3290605	2	Nut M6	
34	3421453	3	Pin	
35	3576799	1	Plate, Hold-Down	
36	0100020	1	Sealant	
37	4010608	2	Screw M6 x 16	
38	4751000	2	Washer #10	
	0272448	Ref	SKYWELDER DECAL INSTALLATION	B
101	1705355	2	Decal - SkyWelder	
102	1702868	1	Decal - No Hands	
103	1705305	1	Decal - Weld Leads	
104	1705375	1	Decal - 240V - 3 Phase - 60Hz	
105	1705466	NLA	Decal - Weight (Use p/n 1001228988) **(SN 0300209000 through 0300234293)**	
105	1001228988	1	Decal - Weight **(SN 0300234294 through 0300272505)**	
	0272599	Ref	SKYCUTTER DECAL INSTALLATION	B
201	1702868	1	Decal - No Hands	
202	1705305	1	Decal - Weld Leads	
203	1705466	NLA	Decal - Weight (Use p/n 1001228988) **(SN 0300209000 through 0300234293)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
203	1001228988	1	Decal - Weight **(SN 0300234294 through 0300272505)**	
204	1705490	2	Decal - SkyCutter	

FIGURE 5-40. SKYWELDER INSTALLATION (50HZ)

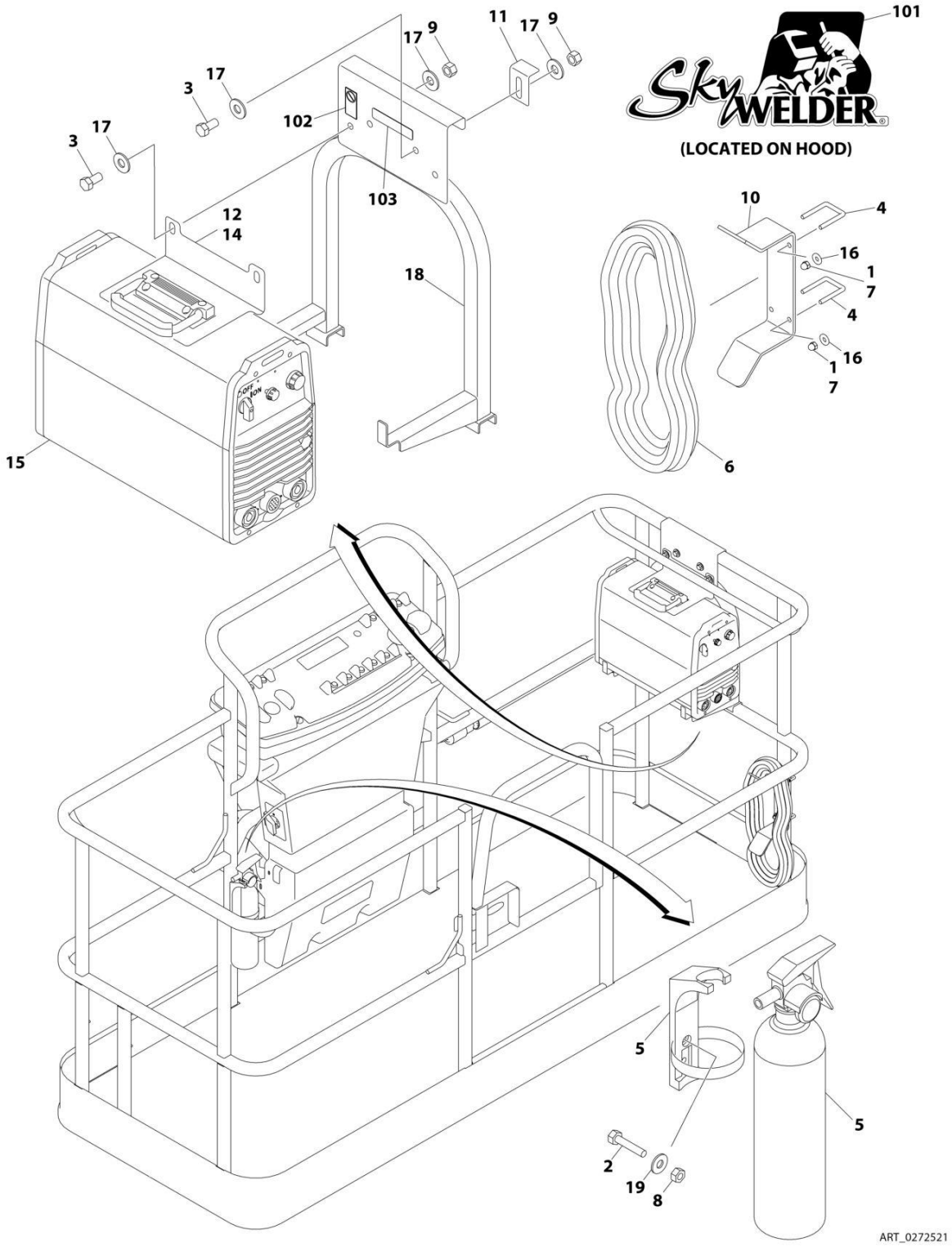


FIGURE 5-40. SKYWELDER INSTALLATION (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272521	Ref	SKYWELDER INSTALLATION (50HZ)	F
		Ref	Note: Australian, CE and Japanese Specs Only.	
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	U-Clamp	
5	2030010	1	Extinguisher, Fire	
6	2902217	1	Weld Leads Kit	
7	3300151	4	Nut 1/4	
8	3311005	2	Nut #10	
9	3311605	4	Nut 3/8	
10	3573400	1	Bracket	
11	3577121	2	Angle	
12	3573642	1	Plate	
13	4240099	AR	Tie-Strap (Not Shown)	
14	4420037	AR	Tape	
15	4530028	1	Welder Assembly (See WELDER ASSEMBLY for Breakdown)	
16	4751400	4	Washer 1/4	
17	4751600	8	Washer 3/8	
18	4846627	1	Support	
19	4751000	2	Washer #10	
	0272588	Ref	SKYWELDER DECAL INSTALLATION	B
101	1705355	2	Decal - SkyWelder	
102	1705305	1	Decal - Weld Lead	
103	1705466	NLA	Decal - Weight (Use p/n 1001228988) **(SN 0300209000 through 0300234293)**	
103	1001228988	1	Decal - Weight **(SN 0300234294 through 0300272505)**	

FIGURE 5-41. SKYWELDER INSTALLATION (60HZ)

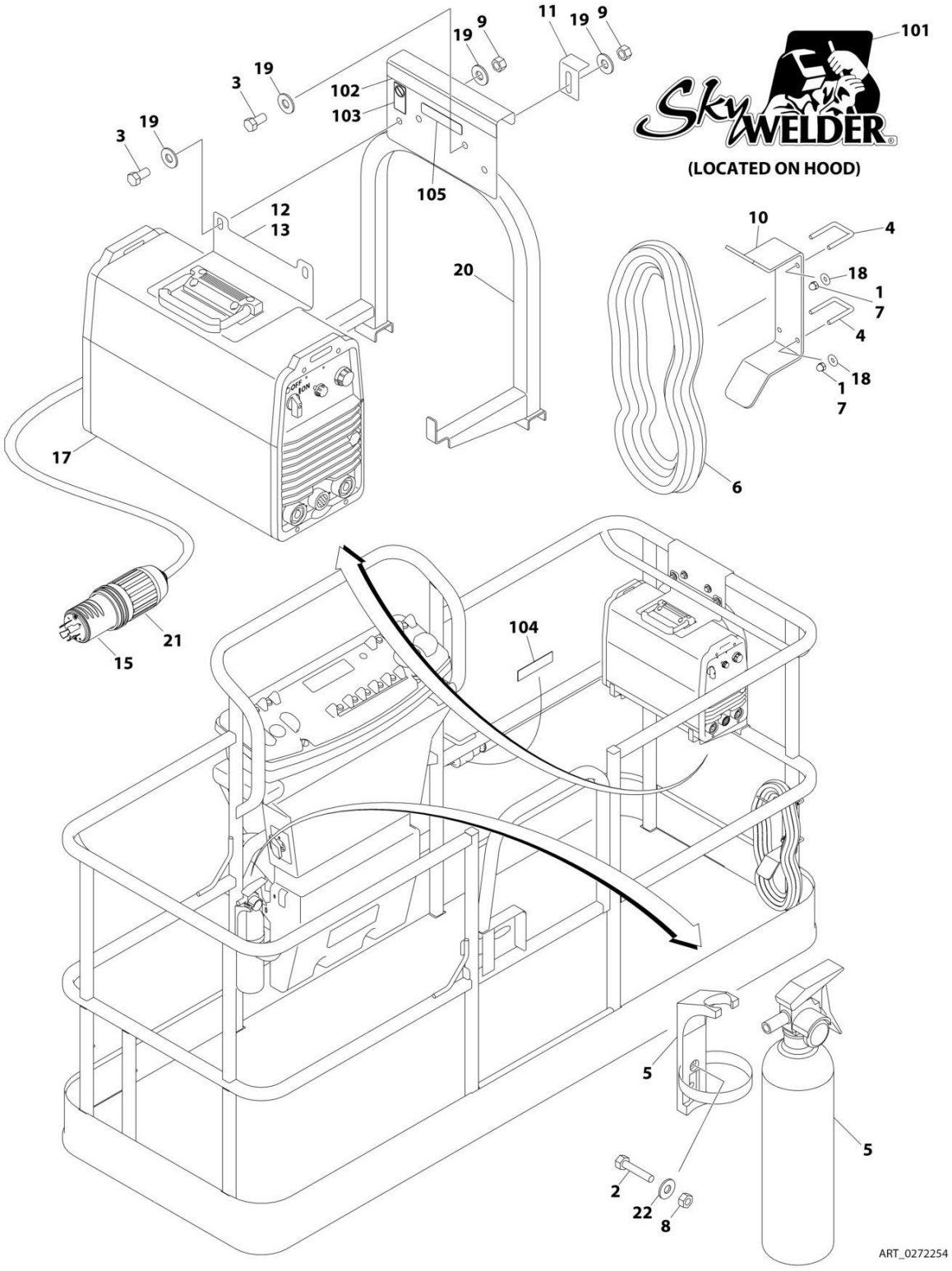


FIGURE 5-41. SKYWELDER INSTALLATION (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272254	Ref	SKYWELDER INSTALLATION (60HZ)	I
		Ref	Note: ANSI, ANSI Export and CSA Specs Only.	
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	U-Clamp	
5	2030010	1	Extinguisher, Fire	
6	2902217	1	Weld Leads Kit	
7	3300151	4	Nut 1/4	
8	3311005	2	Nut #10	
9	3311605	4	Nut 3/8	
10	3573400	1	Bracket	
11	3577121	2	Angle	
12	3573642	1	Plate	
13	4420037	AR	Tape	
14	4240099	AR	Tie-Strap (Not Shown)	
15	4460962	1	Plug, Male Twistlock	
17	4530028	1	Welder Assembly (See WELDER ASSEMBLY for Breakdown)	
18	4751400	4	Washer 1/4	
19	4751600	8	Washer 3/8	
20	4846627	1	Support	
21	1671093	1	Cover, Plug	
22	4751000	2	Washer #10	
	0272448	Ref	SKYWELDER DECAL INSTALLATION	B
101	1705355	2	Decal - SkyWelder	
102	1702868	1	Decal - No Hands	
103	1705305	1	Decal - Weld Lead	
104	1705375	1	Decal - 240V - 3 Phase - 60Hz	
105	1705466	NLA	Decal - Weight (Use p/n 1001228988) **(SN 0300209000 through 0300234293)**	
105	1001228988	1	Decal - Weight **(SN 0300234294 through 0300272505)**	

FIGURE 5-42. SKYWELDER PREP PACKAGE (60HZ)

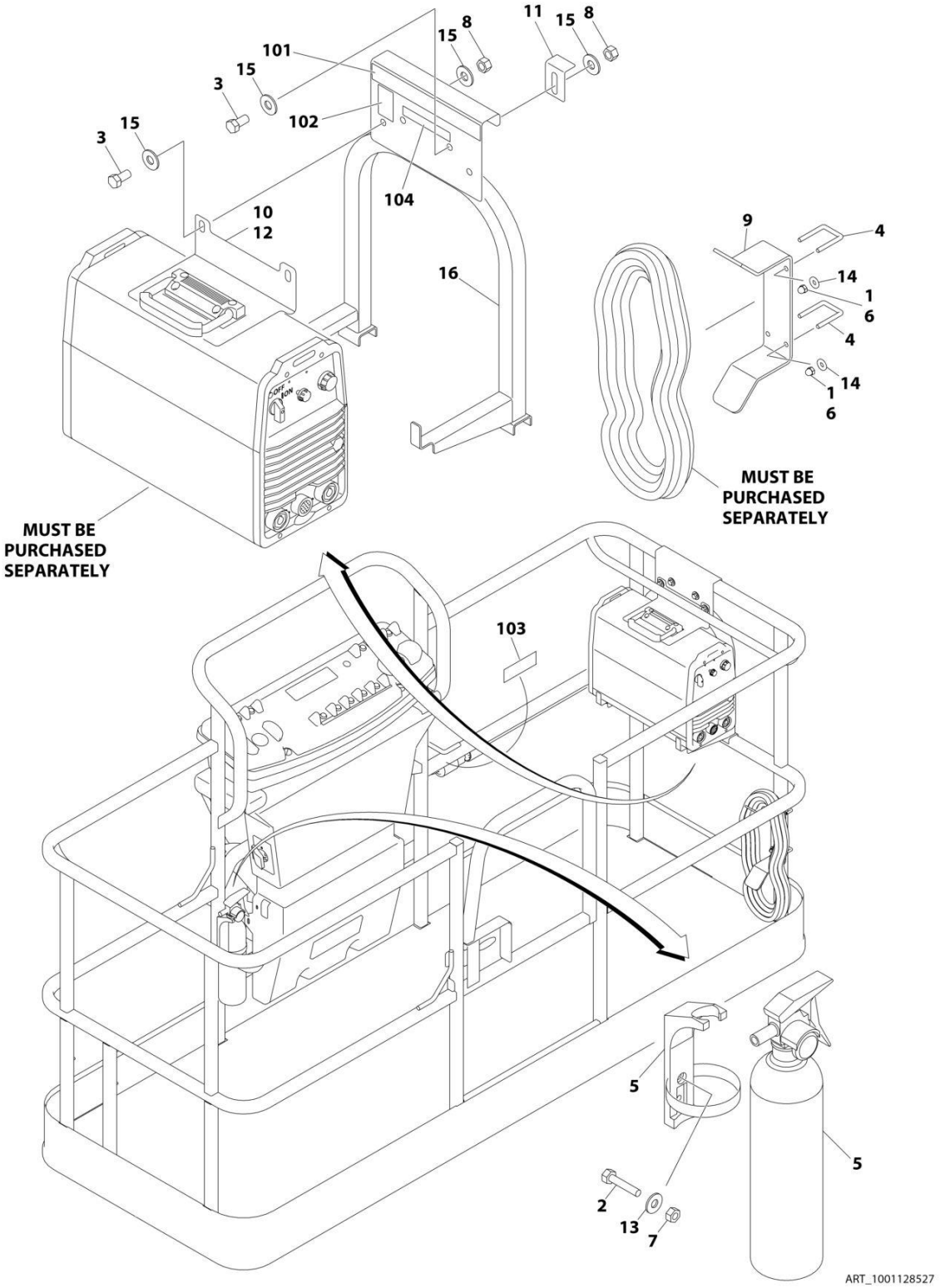


FIGURE 5-42. SKYWELDER PREP PACKAGE (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001128527	Ref	SKYWELDER PREP PACKAGE (60HZ)	B
		Ref	Note: ANSI, ANSI Export and CSA Specs Only.	
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	U-Clamp	
5	2030010	1	Extinguisher, Fire	
6	3300151	4	Nut 1/4	
7	3311005	2	Nut #10	
8	3311605	4	Nut 3/8	
9	3573400	1	Bracket	
10	3573642	1	Plate	
11	3577121	2	Angle	
12	4420037	AR	Tape	
13	4751000	2	Washer #10	
14	4751400	4	Washer 1/4	
15	4751600	8	Washer 3/8	
16	4846627	1	Support	
	1001128556	Ref	SKYWELDER DECAL INSTALLATION	B
101	1702868	1	Decal - No Hands	
102	1705305	1	Decal - Weld Lead	
103	1705375	1	Decal - 240V - 3 Phase - 60Hz	
104	1705466	1	Decal - Weight (Use p/n 1001228988) **(SN 0300209000 through 0300234293)**	
104	1001228988	1	Decal - Weight **(SN 0300234294 through 0300272505)**	

FIGURE 5-43. WELDER ASSEMBLY

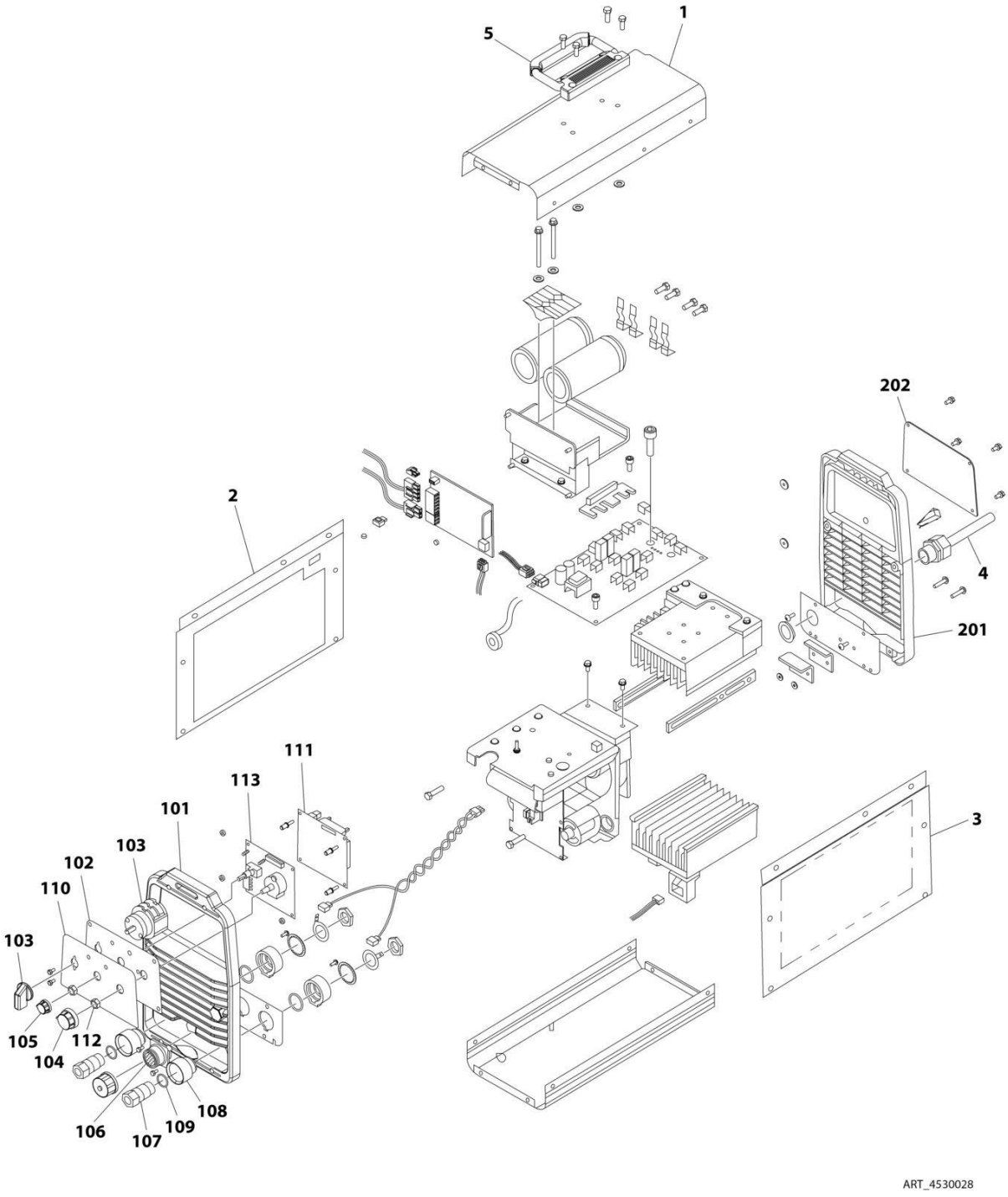


FIGURE 5-43. WELDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4530028	Ref	WELDER ASSEMBLY	B
		Ref	Note: For Other Components, contact your Miller Welder Dealer.	
1	7027773	1	Cover, Top	
1	7027774	1	Decal - Static Precautionary Warning	
2	See Note	NSS	Panel, LH Side (Note: Part of Item 1. Purchase Item 1)	
3	See Note	NSS	Panel, RH Side (Note: Part of Item 1. Purchase Item 1)	
4	7024467	1	Cable, Power	
4	7027775	1	Decal - Electrical Shock Warning (Not Shown)	
5	7027776	1	Handle, Carrying	
101	7024462	1	Panel, Front	
102	7024463	1	Panel, Console	
103	7024469	1	Switch with Lead	
104	7024470	1	Knob	
105	7024471	1	Knob	
106	7024472	1	Receptacle with Leads and Plugs	
107	7024473	2	Receptacle, Twistlock Female	
108	7024474	2	Insulator	
109	7024475	1	O-Ring	
110	7027777	1	Nameplate	
111	7027779	1	Circuit Card Assembly (Process Control)	
112	7024478	2	Nut	
113	7027778	1	Circuit Card Assembly (Operator Interface)	
201	7024462	1	Panel, Rear	
202	7027780	1	Panel, Cover	

FIGURE 5-44. SKYCUTTER INSTALLATION

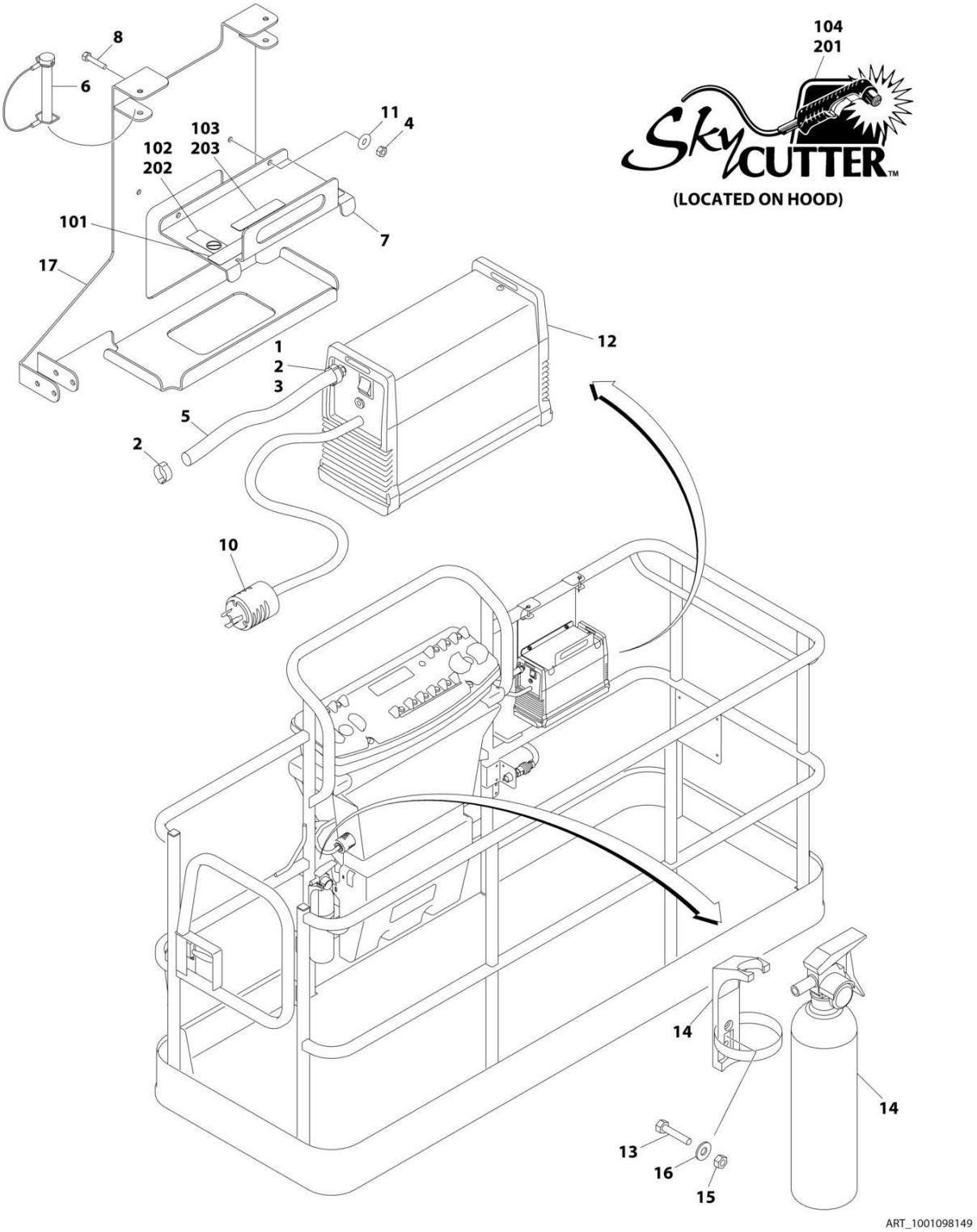


FIGURE 5-44. SKYCUTTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098149	Ref	SKYCUTTER INSTALLATION	D
		Ref	Note: ANSI, ANSI Export, CSA and Japanese Specs Only.	
		Ref	Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	
1	0100020	AR	Sealant	
2	1320177	2	Clamp, Hose	
3	2180832	1	Fitting, NPT/Barbed	
4	3290605	2	Nut M6	
5	2720160	3 ft/.9m	Hose	
6	3421453	3	Pin	
7	3576799	1	Plate, Hold-Down	
8	4010608	2	Screw M6 x 16	
10	4460971	1	Plug, Twistlock	
11	4811700	2	Washer M6	
12	1001098012	1	Plasma Cutter Assembly (See PLASMA CUTTER ASSEMBLY for Breakdown)	
13	0630518	2	Screw #10 x 3/4	
14	2030010	1	Extinguisher, Fire	
15	3311005	2	Nut #10	
16	4751000	2	Washer #10	
17	1001145405	1	Support	
	0272599	Ref	SKYCUTTER DECAL INSTALLATION (ANSI, ANSI EXPORT AND CSA SPECS)	B
101	1702868	1	Decal - No Hands	
102	1705305	1	Decal - Weld Lead	
103	1705466	NLA	Decal - Weight (Use p/n 1001228988) **(SN 0300209000 through 0300234293)**	
103	1001228988	1	Decal - Weight **(SN 0300234294 through 0300272505)**	
104	1705490	2	Decal - SkyCutter	
	0272607	Ref	SKYCUTTER DECAL INSTALLATION (JAPANESE SPECS)	B
201	1705490	2	Decal - SkyCutter	
202	1705305	1	Decal - Weld Lead	
203	1705466	NLA	Decal - Weight (Use p/n 1001228988) **(SN 0300209000 through 0300234293)**	
203	1001228988	1	Decal - Weight **(SN 0300234294 through 0300272505)**	

FIGURE 5-45. PIPE RACK INSTALLATION (ANSI AND CSA SPECS)

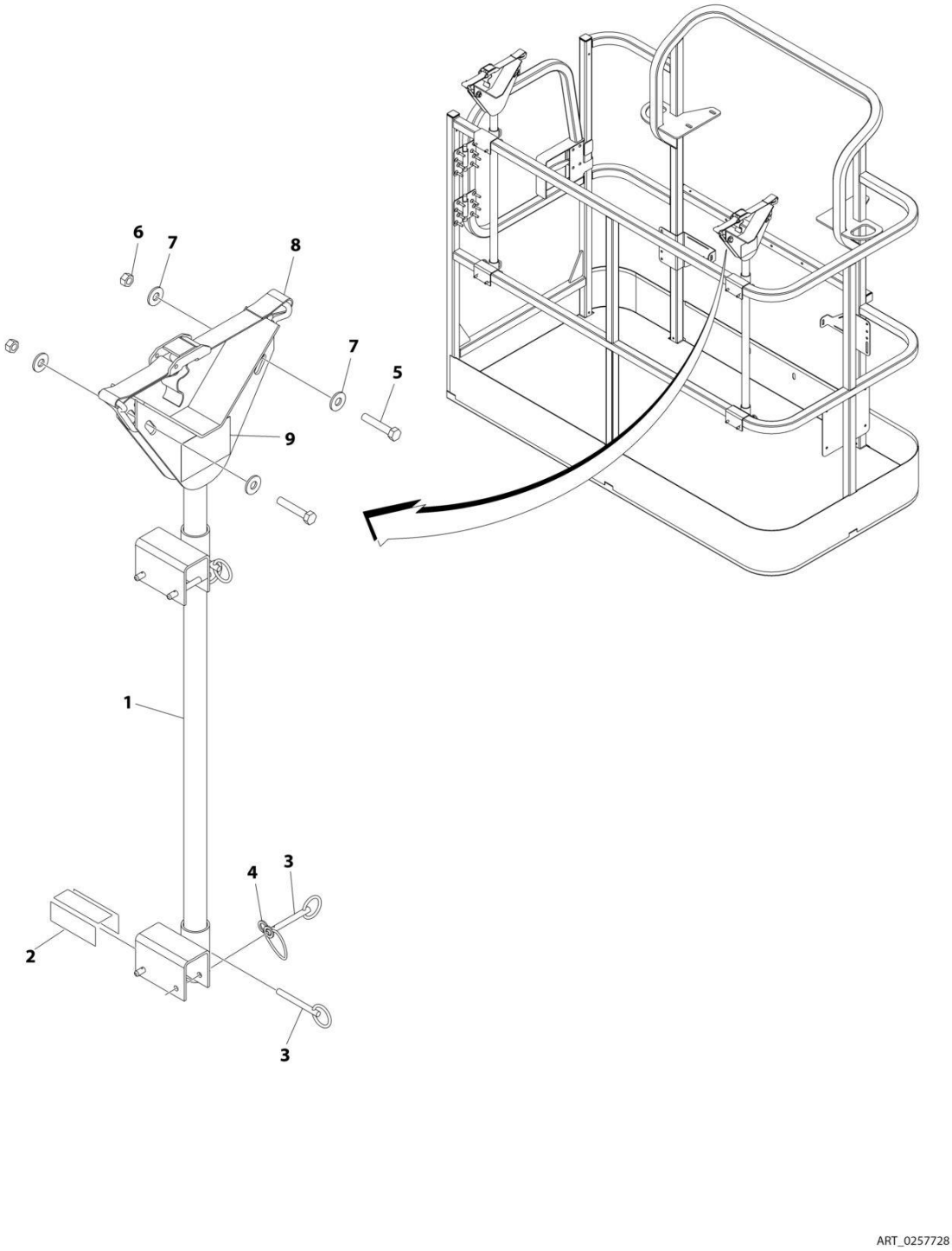


FIGURE 5-45. PIPE RACK INSTALLATION (ANSI AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0257728	Ref	PIPE RACK INSTALLATION (ANSI AND CSA SPECS)	2/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	
9	1703683	2	Decal - Capacity	

FIGURE 5-46. PIPE RACK INSTALLATION (AUSTRALIAN AND CE SPEC)

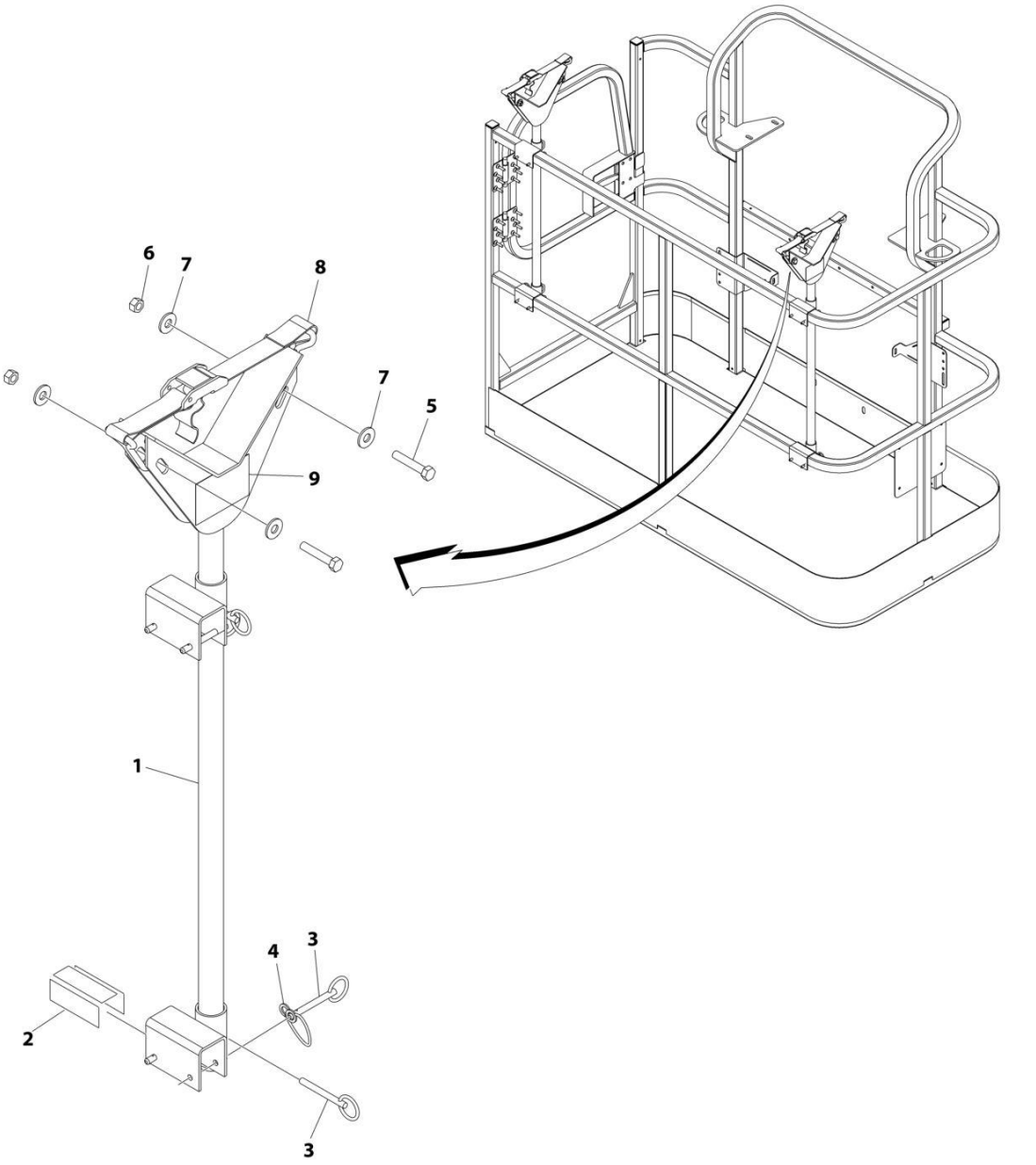


FIGURE 5-46. PIPE RACK INSTALLATION (AUSTRALIAN AND CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274661	Ref	PIPE RACK INSTALLATION (AUSTRALIAN AND CE SPEC)	1/A
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	
9	1706510	2	Decal - Capacity	

FIGURE 5-47. FALL ARREST INSTALLTION (BOLT-ON EXTERNAL) (6FT/1.82M PLATFORM)

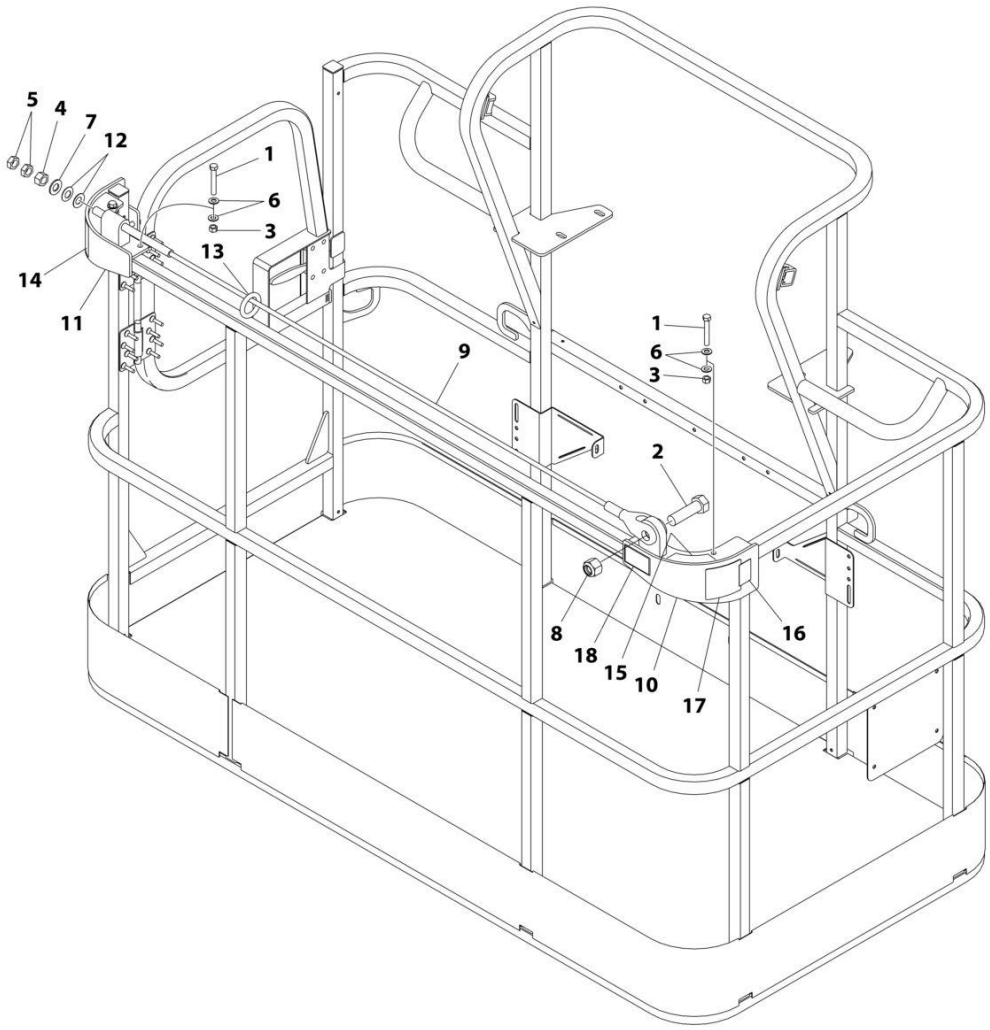


FIGURE 5-47. FALL ARREST INSTALLTION (BOLT-ON EXTERNAL) (6FT/1.82M PLATFORM)

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

FIGURE 5-48. FALL ARREST INSTALLTION (BOLT-ON EXTERNAL) (6FT/1.82M TRI-ENTRY PLATFORM)

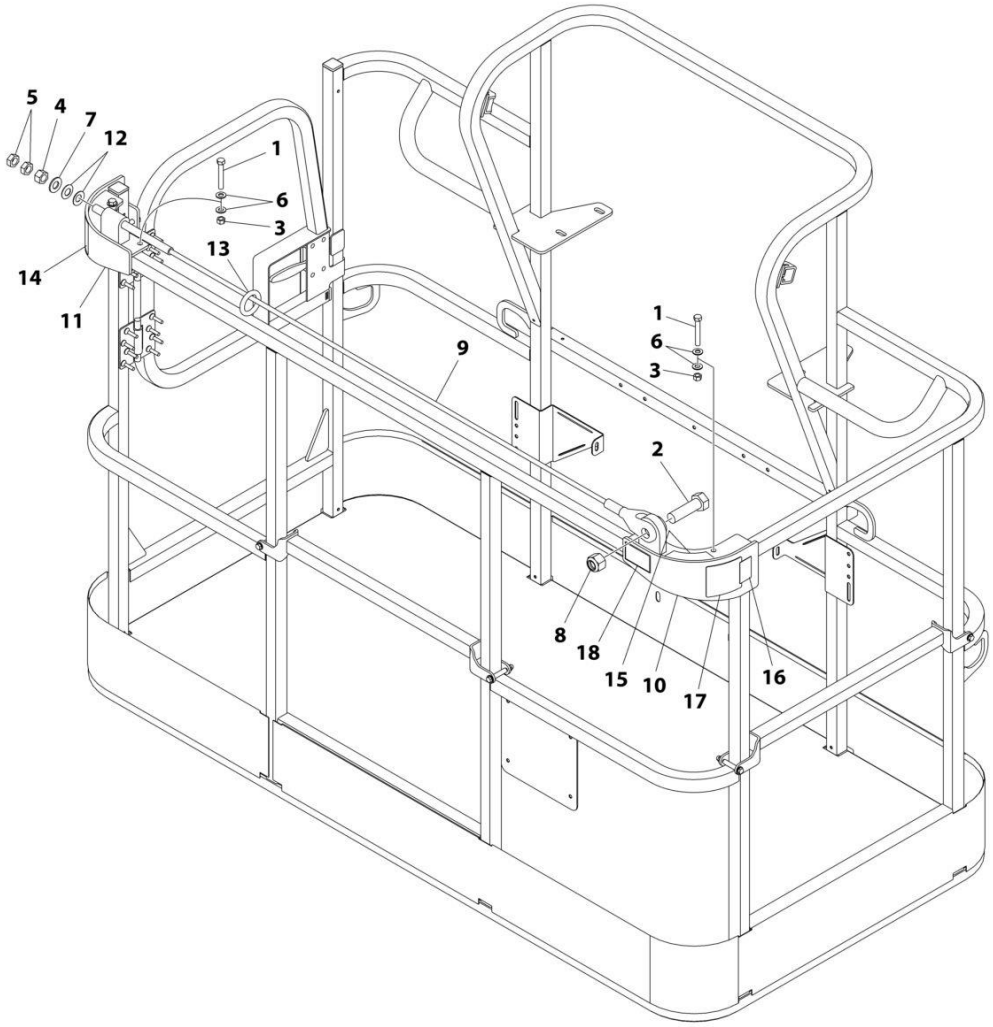


FIGURE 5-48. FALL ARREST INSTALLTION (BOLT-ON EXTERNAL) (6FT/1.82M TRI-ENTRY PLATFORM)

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

FIGURE 5-49. FALL ARREST INSTALLTION (BOLT-ON EXTERNAL) (8FT/2.4M PLATFORM)

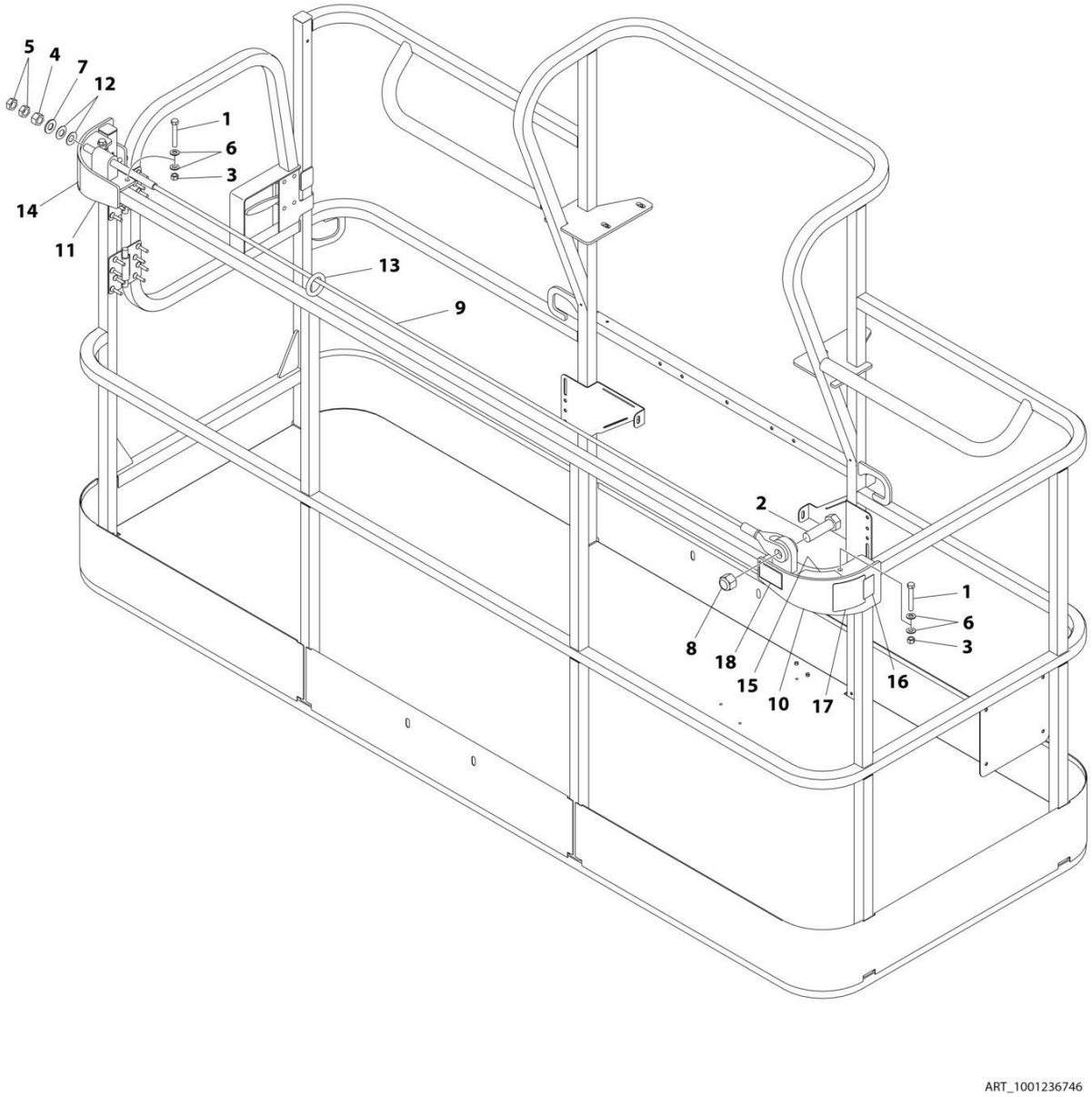


FIGURE 5-49. FALL ARREST INSTALLTION (BOLT-ON EXTERNAL) (8FT/2.4M PLATFORM)

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

SECTION 6 - CYLINDER

FIGURE 6-1. AXLE EXTENSION CYLINDER ASSEMBLY (SN 0300209000 through 0300239674)

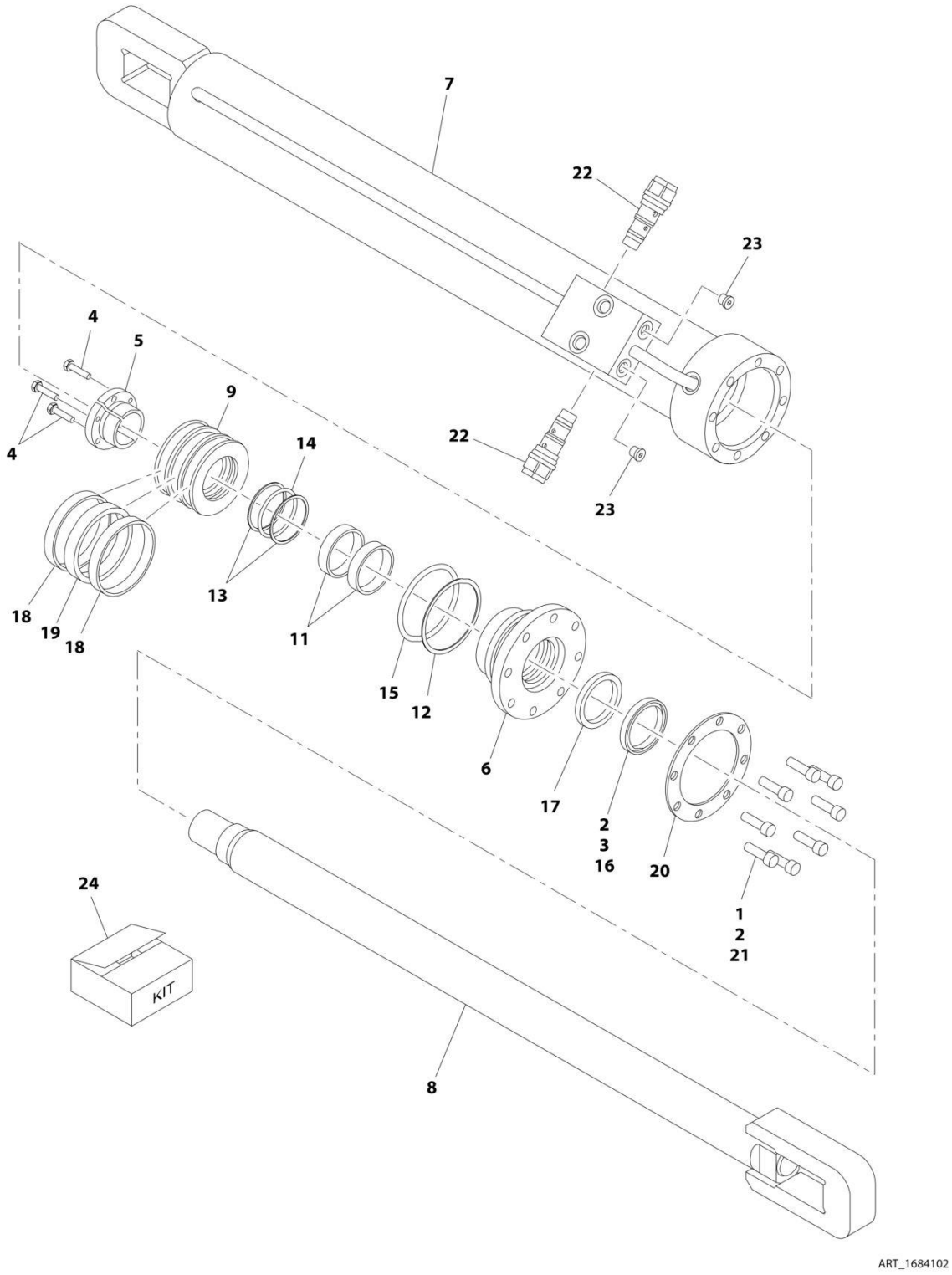


FIGURE 6-1. AXLE EXTENSION CYLINDER ASSEMBLY (SN 0300209000 through 0300239674)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684102	Ref	AXLE EXTENSION CYLINDER ASSEMBLY	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
3	0100063	AR	Loctite #RC 609	
4	0630535	3	Capscrew 1/4 x 1-1/8	
5	0961896	1	Bushing, Tapered	
6	1683056	1	Head	
7	1684103	1	Barrel Weldment	
8	1684105	1	Rod Weldment	
9	3480272	1	Piston	
11	See Note	NSS	Ring, Wear (Note: Use Item 24)	
12	See Note	NSS	Ring, Back-up (Note: Use Item 24)	
13	See Note	NSS	Ring, Back-up (Note: Use Item 24)	
14	See Note	NSS	O-Ring (Note: Use Item 24)	
15	See Note	NSS	O-Ring (Note: Use Item 24)	
16	See Note	NSS	Wiper, Rod (Note: Use Item 24)	
17	See Note	NSS	Seal (Note: Use Item 24)	
18	See Note	NSS	Ring, Wear (Note: Use Item 24)	
19	See Note	NSS	T-Seal (Note: Use Item 24)	
20	3760369	1	Ring, Washer	
21	3931620	8	Bolt 3/8 x 1-1/4	
22	4640509	2	Cartridge, Holding Valve	
22	2900792	2	Seal Kit - 4640509 Cartridge Valve (1 Per Valve)	
23	2220883	2	Plug, O-Ring	
24	2901773	1	Seal Kit (Includes Items 11-19)	

FIGURE 6-2. AXLE EXTENSION CYLINDER ASSEMBLY (SN 0300239675 through 0300272505)

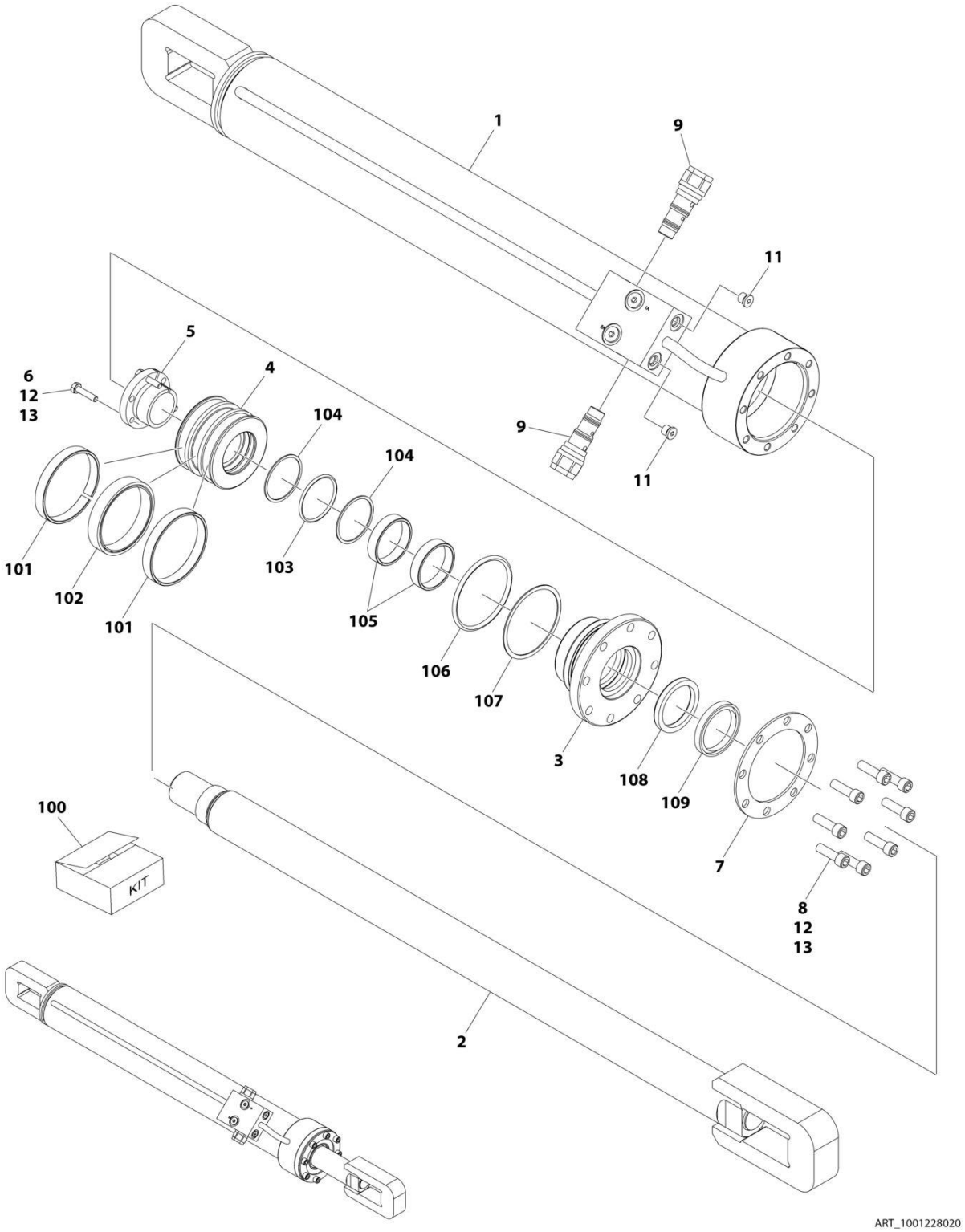


FIGURE 6-2. AXLE EXTENSION CYLINDER ASSEMBLY (SN 0300239675 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228020	Ref	AXLE EXTENSION CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel Weldment (Note: Not Available for Purchase)	
2	70006363	1	Rod Weldment	
3	70006362	1	Head	
4	70006361	1	Piston	
5	70006360	1	Bushing, Tapered	
6	0630535	3	Capscrew 1/4 x 1-1/8	
7	70006359	1	Ring, Washer	
8	3931620	8	Bolt 3/8 x 1-1/4	
9	4640509	2	Cartridge, Holding Valve	
9	2900792	2	Seal Kit - 4640509 Cartridge Valve (1 Per Valve)	
11	2220883	2	Plug, O-Ring	
12	0100011	AR	Compound, Locking	
13	0100038	AR	Primer, Locking	
100	2901773	1	Seal Kit (Includes Items 101-109)	
101	See Note	NSS	Ring, Wear (Note: Use Item 100)	
102	See Note	NSS	T-Seal (Note: Use Item 100)	
103	See Note	NSS	O-Ring (Note: Use Item 100)	
104	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
105	See Note	NSS	Ring, Wear (Note: Use Item 100)	
106	See Note	NSS	O-Ring (Note: Use Item 100)	
107	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
108	See Note	NSS	Seal (Note: Use Item 100)	
109	See Note	NSS	Wiper, Rod (Note: Use Item 100)	

FIGURE 6-3. AXLE LOCKOUT CYLINDER ASSEMBLY (SN 0300209000 through 0300239674)

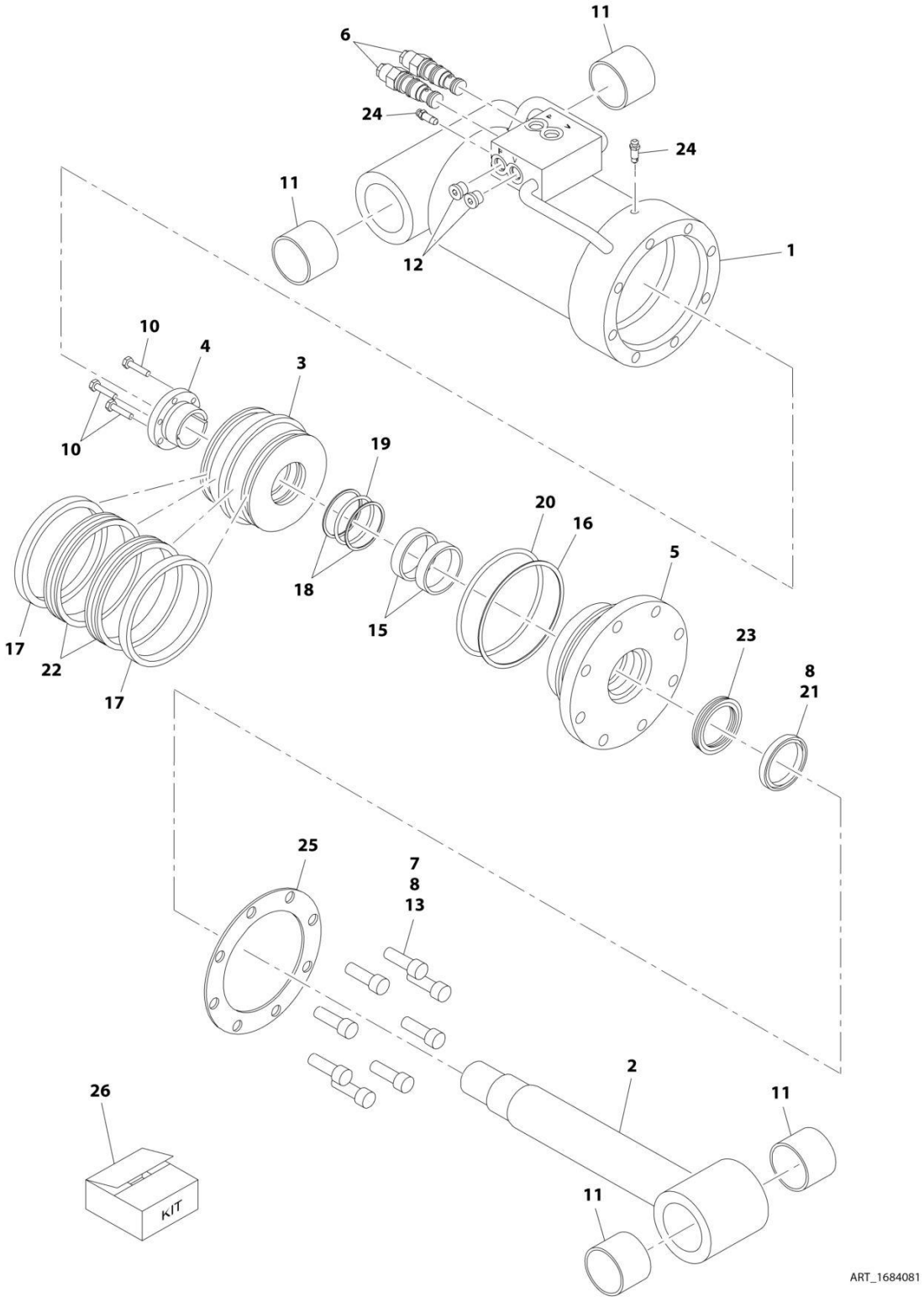


FIGURE 6-3. AXLE LOCKOUT CYLINDER ASSEMBLY (SN 0300209000 through 0300239674)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684081	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	F
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1684082	1	Barrel Weldment	
2	1684083	1	Rod Weldment	
3	3480269	1	Piston	
4	0961896	1	Bushing	
5	1683062	1	Head	
6	4641276	2	Cartridge, Valve (Counterbalance)	
6	2900770	2	Seal Kit - 4641276 Valve (1 Per Assembly)	
7	0100011	AR	Compound, Locking	
8	0100038	AR	Primer, Locking	
10	0630535	3	Bolt 1/4 x 1-1/8	
11	0961950	4	Bearing	
12	2220885	2	Plug, O-Ring	
13	3931824	8	Bolt 1/2 x 1-1/2	
15	See Note	NSS	Ring, Wear (Note: Use Item 26)	
16	See Note	NSS	Ring, Back-up (Note: Use Item 26)	
17	See Note	NSS	Ring, Lock (Note: Use Item 26)	
18	See Note	NSS	Ring, Back-up (Note: Use Item 26)	
19	See Note	NSS	O-Ring (Note: Use Item 26)	
20	See Note	NSS	O-Ring (Note: Use Item 26)	
21	See Note	NSS	Wiper (Note: Use Item 26)	
22	See Note	NSS	Seal (Note: Use Item 26)	
23	See Note	NSS	Seal, Rod (Note: Use Item 26)	
24	4640858	2	Valve, Bleeder	
25	3760371	1	Ring, Washer	
26	2902087	1	Seal Kit (Includes Items 15-23)	

FIGURE 6-4. AXLE LOCKOUT CYLINDER ASSEMBLY (SN 0300239675 through 0300272505)

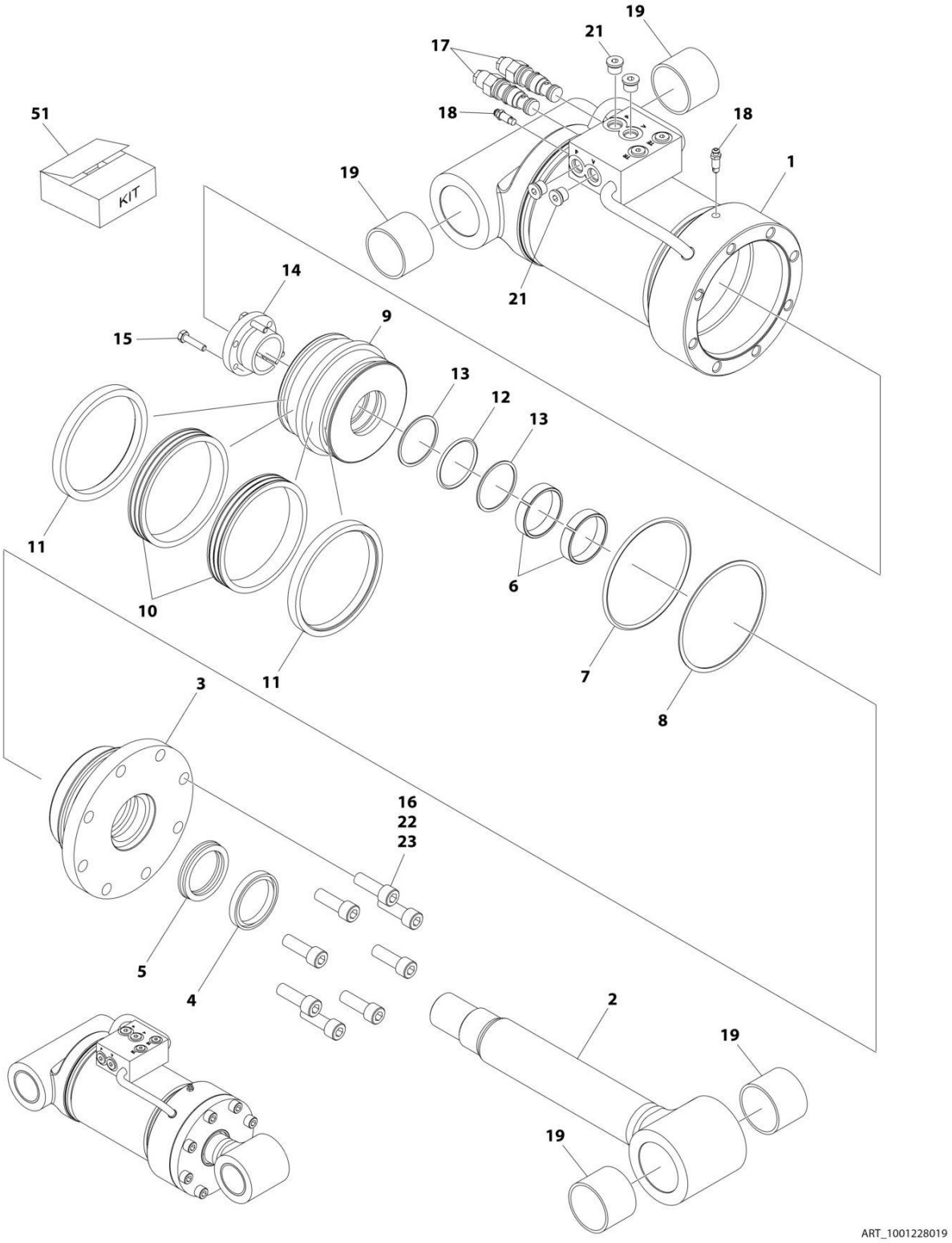


FIGURE 6-4. AXLE LOCKOUT CYLINDER ASSEMBLY (SN 0300239675 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228019	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel Weldment (Note: Not Available for Purchase)	
2	70006520	1	Rod Weldment	
3	70006474	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 51)	
5	See Note	NSS	Seal, Rod (Note: Use Item 51)	
6	See Note	NSS	Ring, Wear (Note: Use Item 51)	
7	See Note	NSS	O-Ring (Note: Use Item 51)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 51)	
9	70006473	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 51)	
11	See Note	NSS	Ring, Lock (Note: Use Item 51)	
12	See Note	NSS	O-Ring (Note: Use Item 51)	
13	See Note	NSS	Ring, Back-up (Note: Use Item 51)	
14	0961896	1	Bushing	
15	0630535	3	Bolt 1/4 x 1-1/8	
16	3931824	8	Bolt 1/2 x 1-1/2	
17	4641276	2	Cartridge, Valve Options: (Counterbalance)	
17	2900770	2	Seal Kit - 4641276 Valve (1 Per Assembly)	
18	4640858	2	Valve, Bleeder	
19	0961950	4	Bearing	
21	2220885	2	Plug, O-Ring	
22	0100011	AR	Compound, Locking	
23	0100038	AR	Primer, Locking	
51	2902087	1	Seal Kit (Includes Items 4-8 & 10-13)	

FIGURE 6-5. LEVEL (JIB) CYLINDER ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (SN 0300209000 through 0300239990)

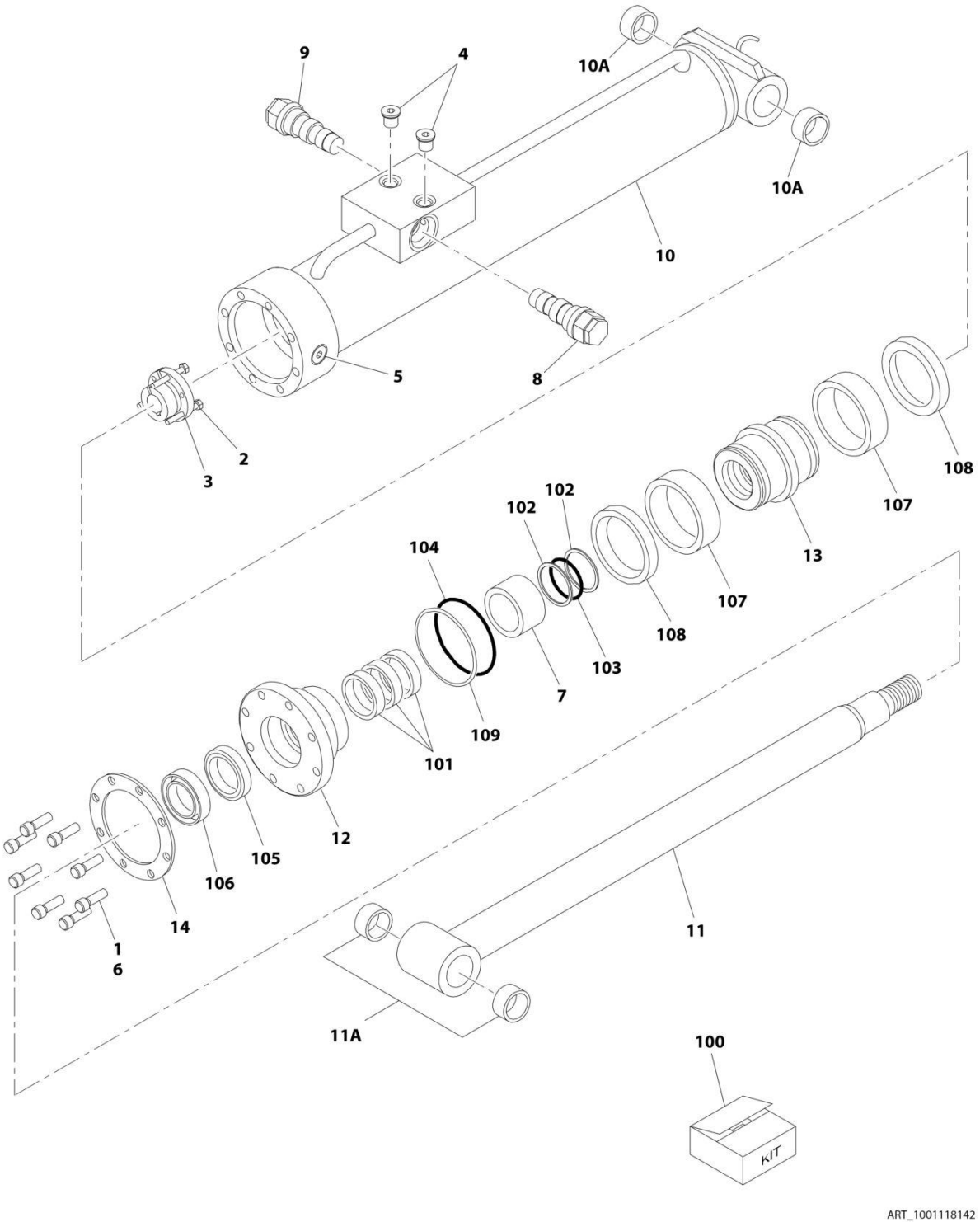


FIGURE 6-5. LEVEL (JIB) CYLINDER ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (SN 0300209000 through 0300239990)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118142	Ref	LEVEL (JIB) CYLINDER ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0100011	AR	Compound, Locking	
2	0630535	3	Bolt 1/4 x 1-1/8	
3	0961897	1	Bushing, Tapered	
4	2220885	2	Plug, O-Ring	
5	2220886	1	Plug, O-Ring	
6	3932032	8	Capscrew 5/8 x 2	
7	4566667	1	Spacer	
8	4640999	1	Cartridge, Holding Valve (Non Vented)	
8	2900792	1	Seal Kit - 4640999 Cartridge Valve	
9	4641248	1	Cartridge, Counterbalance Valve (Non Vented)	
9	See Note	1	Seal Kit - 4641248 Cartridge Valve (Note: Not Available for Purchase)	
10	1001118143	1	Barrel Weldment	
10A	0961950	2	Bushing	
11	1001118145	1	Rod Weldment	
11A	0961950	2	Bushing	
12	1001118148	1	Head	
13	1001118149	1	Piston	
14	1001118177	1	Ring, Washer	
100	1001119647	1	Seal Kit (Includes Items 101-109)	
101	See Note	NSS	Ring, Wear (Note: Use Item 100)	
102	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
103	See Note	NSS	O-Ring (Note: Use Item 100)	
104	See Note	NSS	O-Ring (Note: Use Item 100)	
105	See Note	NSS	Seal (Note: Use Item 100)	
106	See Note	NSS	Wiper, Rod (Note: Use Item 100)	
107	See Note	NSS	Seal (Note: Use Item 100)	
108	See Note	NSS	Ring, Guide (Note: Use Item 100)	
109	See Note	NSS	Ring, Back-up (Note: Use Item 100)	

FIGURE 6-6. LEVEL (JIB) CYLINDER ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE (SN 0300209000 through 0300239990)

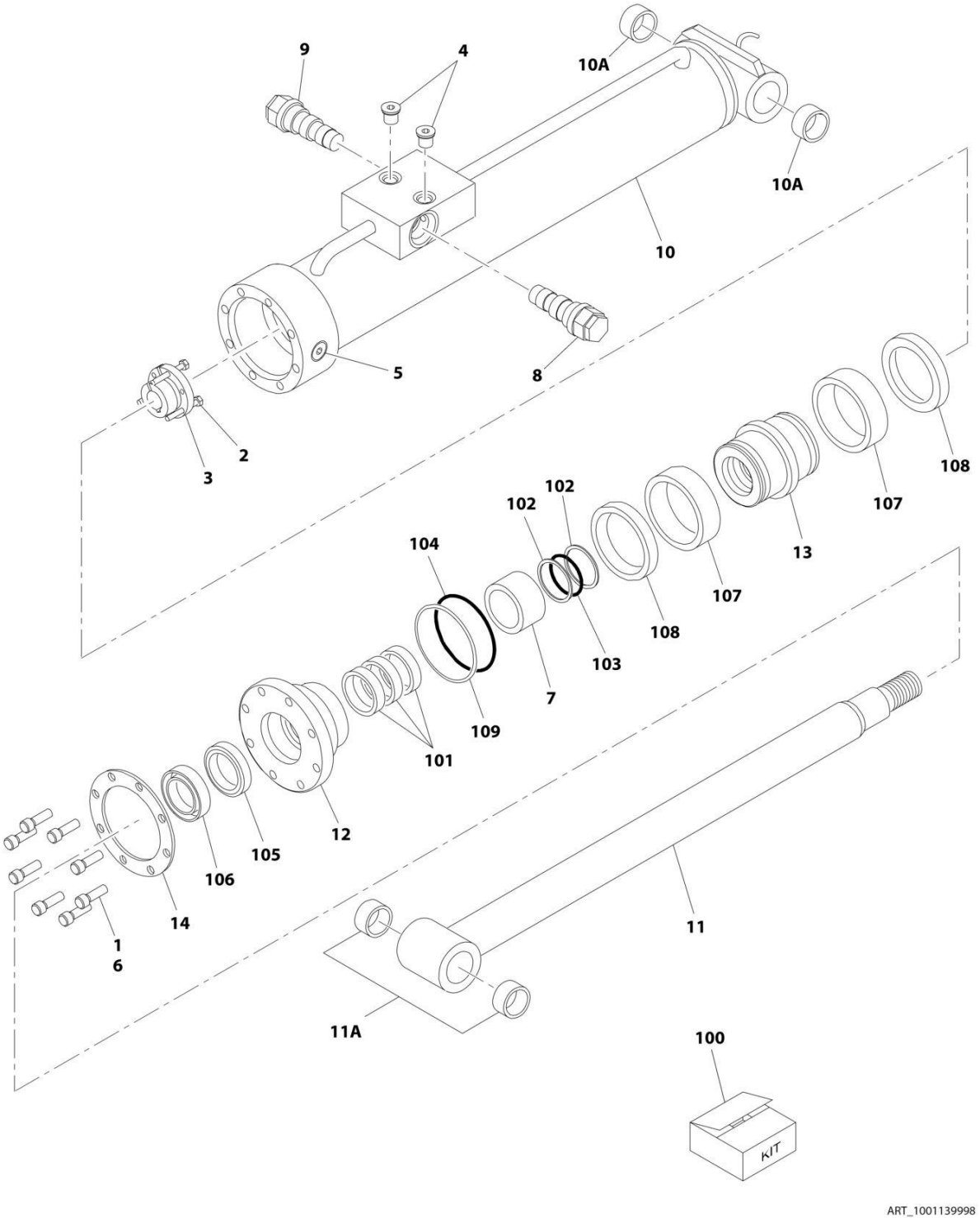


FIGURE 6-6. LEVEL (JIB) CYLINDER ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE (SN 0300209000 through 0300239990)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139998	Ref	LEVEL (JIB) CYLINDER ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0100011	AR	Compound, Locking	
2	0630535	3	Bolt 1/4 x 1-1/8	
3	0961897	1	Bushing, Tapered	
4	2220885	2	Plug, O-Ring	
5	2220886	1	Plug, O-Ring	
6	3932032	8	Capscrew 5/8 x 2	
7	4566667	1	Spacer	
8	4640999	1	Cartridge, Holding Valve (Non Vented)	
8	2900792	1	Seal Kit - 4640999 Cartridge Valve	
9	4641248	1	Cartridge, Counterbalance Valve (Non Vented)	
9	See Note	1	Seal Kit - 4641248 Cartridge Valve (Note: Not Available for Purchase)	
10	1001118143	1	Barrel Weldment	
10A	0961950	2	Bushing	
11	1001118145	1	Rod Weldment	
11A	0961950	2	Bushing	
12	1001118148	1	Head	
13	1001118149	1	Piston	
14	1001118177	1	Ring, Washer	
100	1001139994	1	Seal Kit (Includes Items 101-109)	
101	See Note	NSS	Ring, Wear (Note: Use Item 100)	
102	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
103	See Note	NSS	O-Ring (Note: Use Item 100)	
104	See Note	NSS	O-Ring (Note: Use Item 100)	
105	See Note	NSS	Seal (Note: Use Item 100)	
106	See Note	NSS	Wiper, Rod (Note: Use Item 100)	
107	See Note	NSS	Seal (Note: Use Item 100)	
108	See Note	NSS	Ring, Guide (Note: Use Item 100)	
109	See Note	NSS	Ring, Back-up (Note: Use Item 100)	

FIGURE 6-7. LEVEL (JIB) CYLINDER ASSEMBLY - WITH OR WITHOUT COLD WEATHER PLUS PACKAGE (SN 0300239991 through 0300272505)

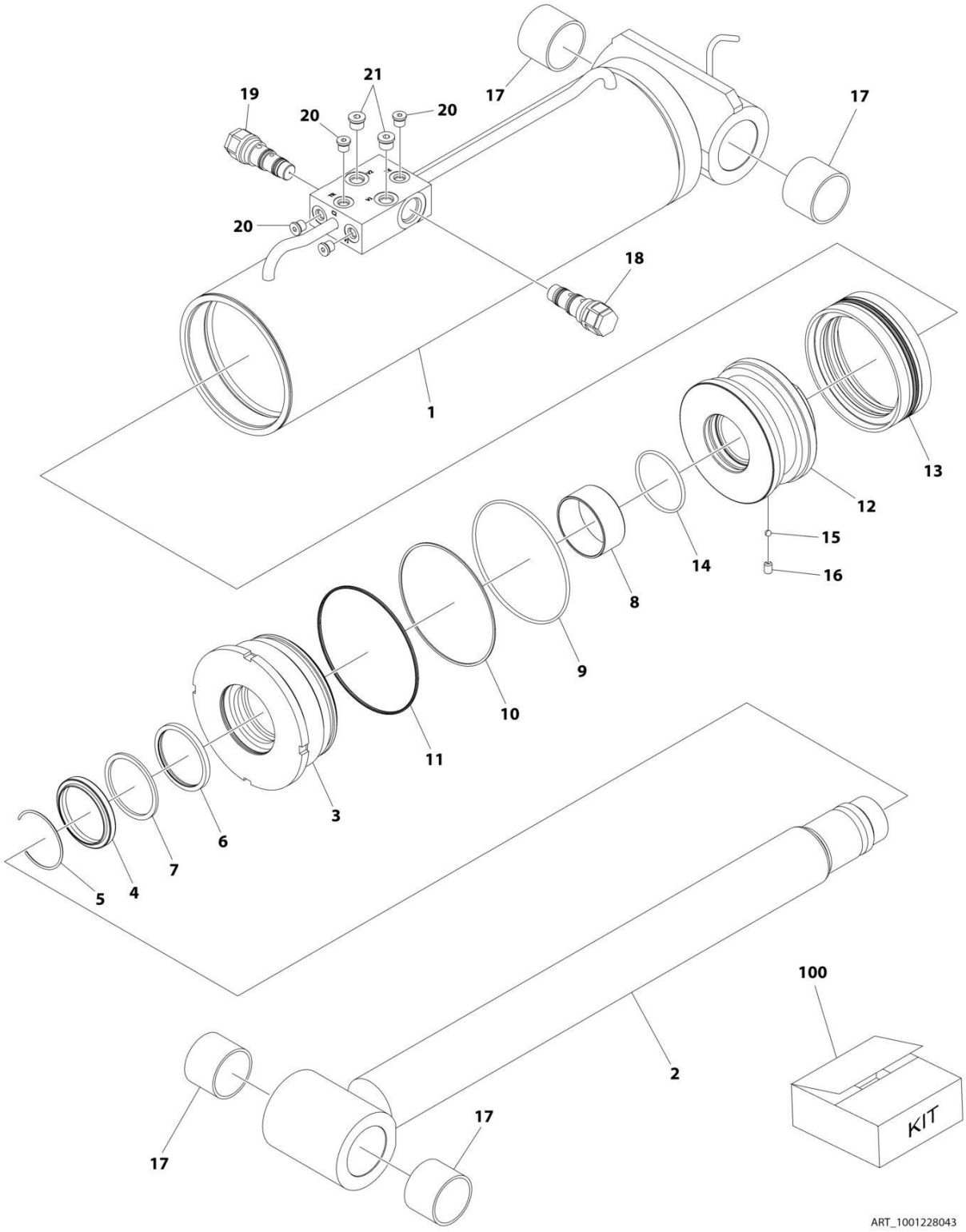


FIGURE 6-7. LEVEL (JIB) CYLINDER ASSEMBLY - WITH OR WITHOUT COLD WEATHER PLUS PACKAGE (SN 0300239991 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228043	Ref	LEVEL (JIB) CYLINDER ASSEMBLY - WITH OR WITHOUT COLD WEATHER PLUS PACKAGE	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel Weldment (Note: Not Available for Purchase)	
2	70006646	1	Rod Weldment	
3	70006635	1	Head	
4	See Note	NSS	Wiper, Rod (Note: Use Item 100)	
5	70050795	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	70006636	1	Ring, Wear	
9	See Note	NSS	O-Ring (Note: Use Item 100)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
11	See Note	NSS	O-Ring (Note: Use Item 100)	
12	70006637	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 100)	
14	See Note	NSS	O-Ring (Note: Use Item 100)	
15	70006596	1	Ball, Steel	
16	70022564	1	Setscrew	
17	0961950	4	Bushing	
18	4640999	1	Cartridge, Holding Valve (Non Vented)	
18	2900792	1	Seal Kit - 4640999 Cartridge Valve	
19	4641248	1	Cartridge, Counterbalance Valve (Non Vented)	
19	See Note	1	Seal Kit - 4641248 Cartridge Valve (Note: Not Available for Purchase)	
20	2220883	4	Plug, O-Ring	
21	2220885	2	Plug, O-Ring	
100	70006647	1	Seal Kit (Includes Items 4, 6, 7, 9-11, 13 & 14)	

FIGURE 6-8. LEVEL (PLATFORM) CYLINDER ASSEMBLY (SN 0300209000 through 0300239674)

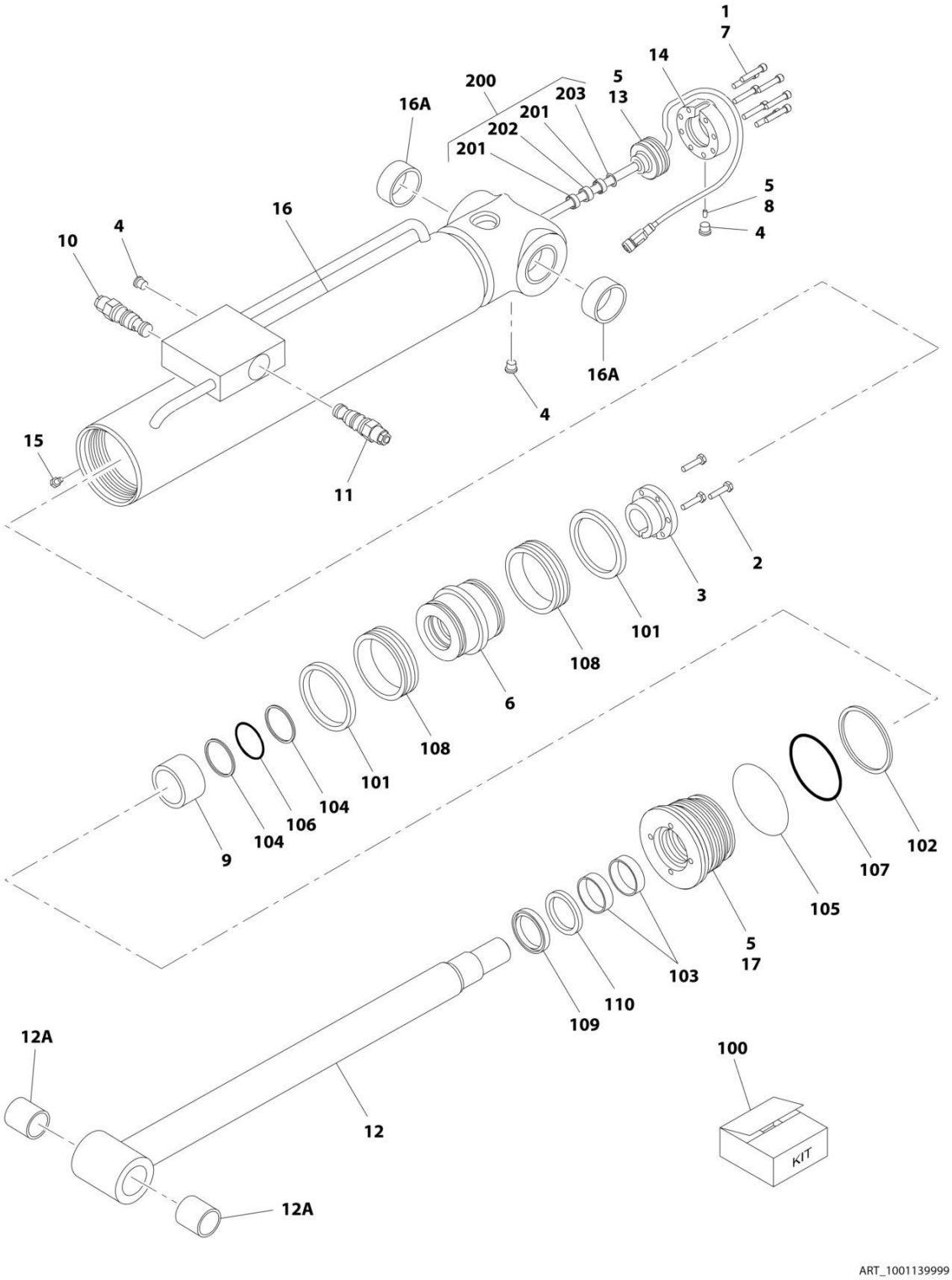


FIGURE 6-8. LEVEL (PLATFORM) CYLINDER ASSEMBLY (SN 0300209000 through 0300239674)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139999	Ref	LEVEL (PLATFORM) CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0100011	AR	Compound, Locking	
2	0630535	3	Capscrew 1/4 x 1-1/8	
3	0961902	1	Bushing, Tapered	
4	2220883	2	Plug, O-Ring	
5	3020039	AR	Lubricant	
6	3480233	1	Piston	
7	3931420	8	Capscrew 1/4 x 1-1/4	
8	3951003	1	Setscrew #10 x 3/8	
9	4567434	1	Spacer	
10	4640489	1	Cartridge, Counterbalance Valve	
10	See Note	NSS	Seal Kit - 4640489 Cartridge Valve (1 Per Valve) (Note: Not Available for Purchase)	
11	4641260	1	Cartridge, Counterbalance Valve	
11	2900770	1	Seal Kit - 4641260 Cartridge Valve (1 Per Valve)	
12	1001117984	1	Rod Weldment	
12A	0962006	2	Bushing	
13	1001117990	1	Sensor, Cylinder Length	
14	1001118070	1	Cap, Retainer	
15	1001125137	1	Screw #8	
16	1001129920	1	Barrel Weldment	
16A	1001117969	2	Bushing	
17	1001129921	1	Head	
100	1001139995	1	Seal Kit (Includes Items 101-110)	
101	See Note	NSS	Ring, Lock (Note: Use Item 100)	
102	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
103	See Note	NSS	Ring, Wear (Note: Use Item 100)	
104	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
105	See Note	NSS	O-Ring (Note: Use Item 100)	
106	See Note	NSS	O-Ring (Note: Use Item 100)	
107	See Note	NSS	O-Ring (Note: Use Item 100)	
108	See Note	NSS	Seal (Note: Use Item 100)	
109	See Note	NSS	Wiper, Rod (Note: Use Item 100)	
110	See Note	NSS	Seal (Note: Use Item 100)	
200	1001119105	1	Sensor Magnet Kit (Includes Items 201-203)	
201	1001117994	2	Sleeve, Spacer	
202	1001118066	1	Magnet, Sensor	
203	1001118069	1	Ring, Internal Retaining	

FIGURE 6-9. LEVEL (PLATFORM) CYLINDER ASSEMBLY (SN 0300239675 through 0300272505)

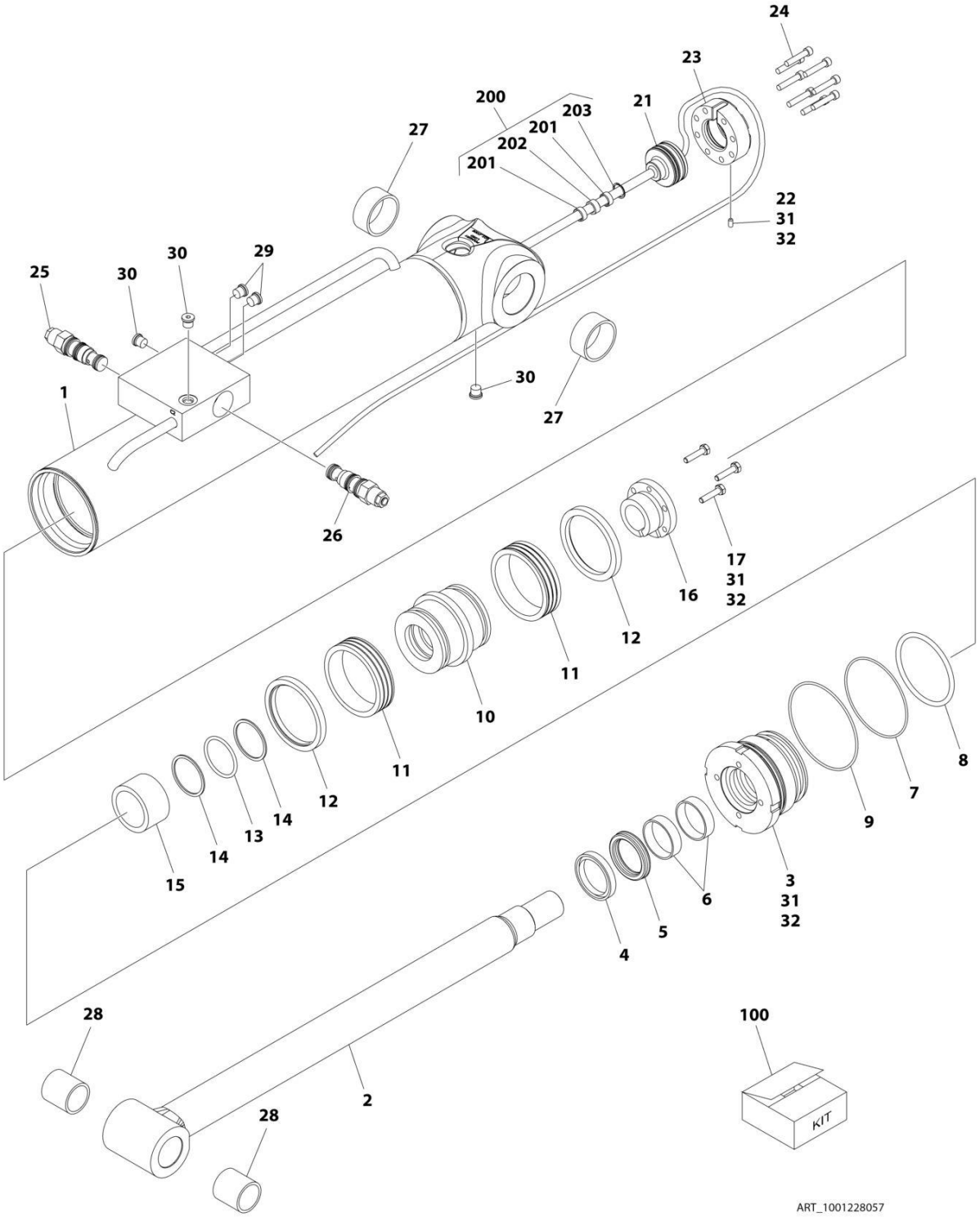


FIGURE 6-9. LEVEL (PLATFORM) CYLINDER ASSEMBLY (SN 0300239675 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228057	Ref	LEVEL (PLATFORM) CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel Weldment (Note: Not Available for Purchase)	
2	70006519	1	Rod Weldment	
3	70006518	1	Head	
4	See Note	NSS	Wiper, Rod (Note: Use Item 100)	
5	See Note	NSS	Seal, Rod (Note: Use Item 100)	
6	See Note	NSS	Ring, Wear (Note: Use Item 100)	
7	See Note	NSS	O-Ring (Note: Use Item 100)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
9	See Note	NSS	O-Ring (Note: Use Item 100)	
10	70006517	1	Piston	
11	See Note	NSS	Ring, Lock (Note: Use Item 100)	
12	See Note	NSS	Ring, Guide (Note: Use Item 100)	
13	See Note	NSS	O-Ring (Note: Use Item 100)	
14	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
15	70006516	1	Spacer	
16	0961902	1	Bushing, Tapered	
17	0630535	3	Capscrew 1/4 x 1-1/8	
21	1001117990	1	Sensor, Cylinder Length	
22	70006464	1	Setscrew M5	
23	70006463	1	Cap, Retainer	
24	3931420	8	Capscrew 1/4 x 1-1/4	
25	4640489	1	Cartridge, Counterbalance Valve	
25	See Note	NSS	Seal Kit - 4640489 Cartridge Valve (1 Per Valve) (Note: Not Available for Purchase)	
26	4641260	1	Cartridge, Counterbalance Valve	
26	2900770	1	Seal Kit - 4641260 Cartridge Valve (1 Per Valve)	
27	1001117969	2	Bushing	
28	0962006	2	Bushing	
29	2220883	2	Plug, O-Ring	
30	2220883	3	Plug, O-Ring	
31	0100011	AR	Compound, Locking	
32	0100038	AR	Primer, Locking	
100	1001139995	1	Seal Kit (Includes Items 4-9 & 11-14)	
200	1001119105	1	Sensor Magnet Kit (Includes Items 201-203)	
201	1001117994	2	Sleeve, Spacer	
202	1001118066	1	Magnet, Sensor	
203	1001118069	1	Ring, Internal Retaining	

FIGURE 6-10. LIFT (BOOM) CYLINDER ASSEMBLY (SN 0300209000 through 0300239990)

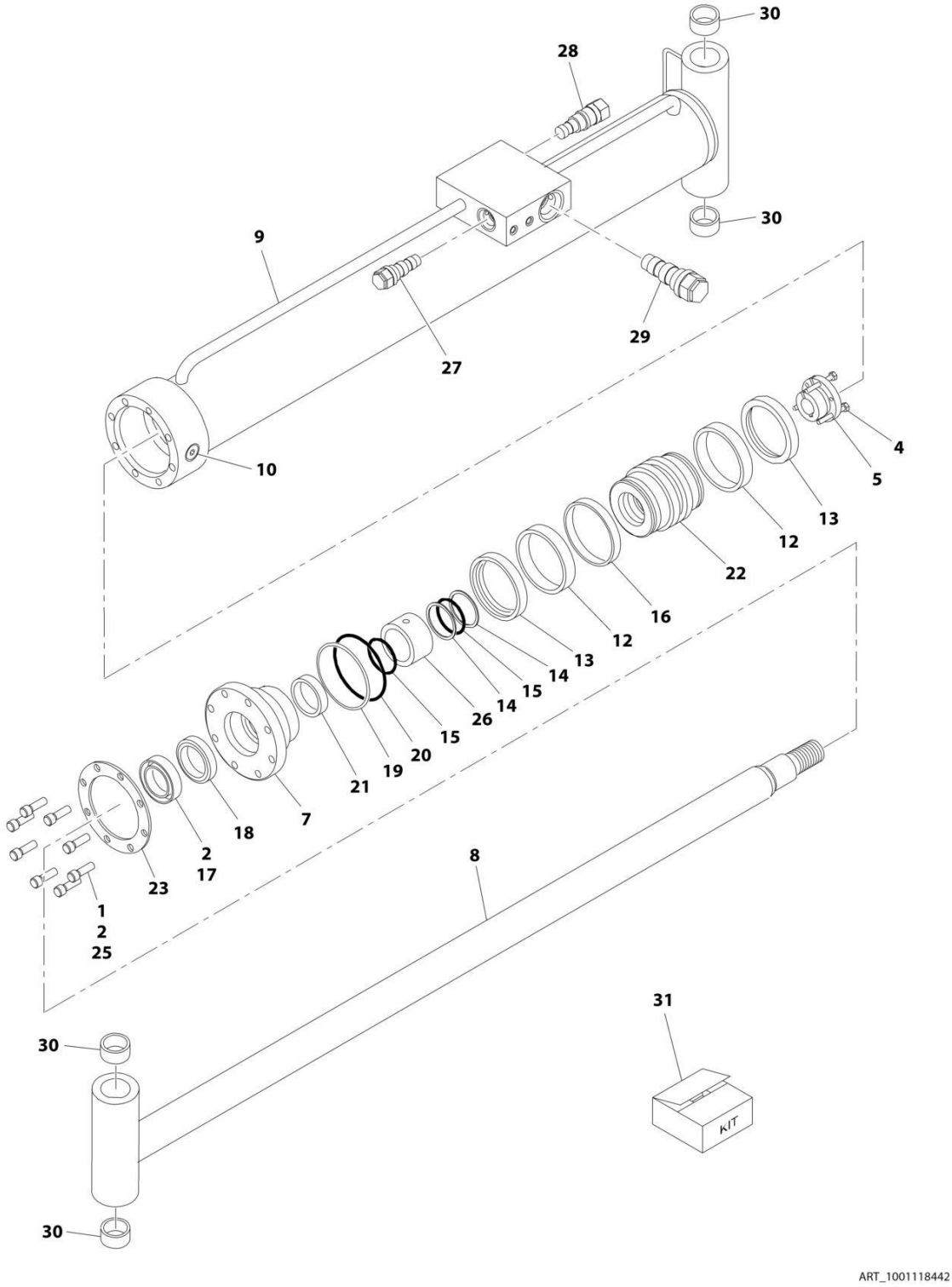


FIGURE 6-10. LIFT (BOOM) CYLINDER ASSEMBLY (SN 0300209000 through 0300239990)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118442	Ref	LIFT (BOOM) CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
4	0630537	3	Capscrew	
5	0961901	1	Bushing, Tapered	
7	1683072	1	Head	
8	1684159	1	Rod	
9	1001118443	1	Barrel	
10	2220888	1	Plug, O-Ring	
12	See Note	NSS	Ring, Guide (Note: Use Item 31)	
13	See Note	NSS	Ring, Lock (Note: Use Item 31)	
14	See Note	NSS	Ring, Back-up (Note: Use Item 31)	
15	See Note	NSS	O-Ring (Note: Use Item 31)	
16	See Note	NSS	Ring, Wear (Note: Use Item 31)	
17	See Note	NSS	Wiper, Rod (Note: Use Item 31)	
18	See Note	NSS	Seal, Rod (Note: Use Item 31)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 31)	
20	See Note	NSS	O-Ring (Note: Use Item 31)	
21	See Note	NSS	Ring, Wear (Note: Use Item 31)	
22	3480270	1	Piston	
23	3760375	1	Ring, Washer	
25	3932244	8	Capscrew 3/4 x 2-3/4	
26	4568319	1	Spacer	
27	4640438	1	Cartridge, Check Valve	
27	2900770	1	Seal Kit - 4640438 Cartridge Valve	
28	1001125279	1	Cartridge, Valve	
28	2900770	1	Seal Kit - 1001125279 Cartridge Valve	
29	4641210	1	Cartridge, Pressure Regulator Valve	
29	7010545	1	Seal Kit - 4641210 Cartridge Valve	
30	0962297	4	Bushing	
31	1001174325	1	Seal Kit (Includes Items 12-21)	

FIGURE 6-11. LIFT (BOOM) CYLINDER ASSEMBLY (SN 0300239991 through 0300272505)

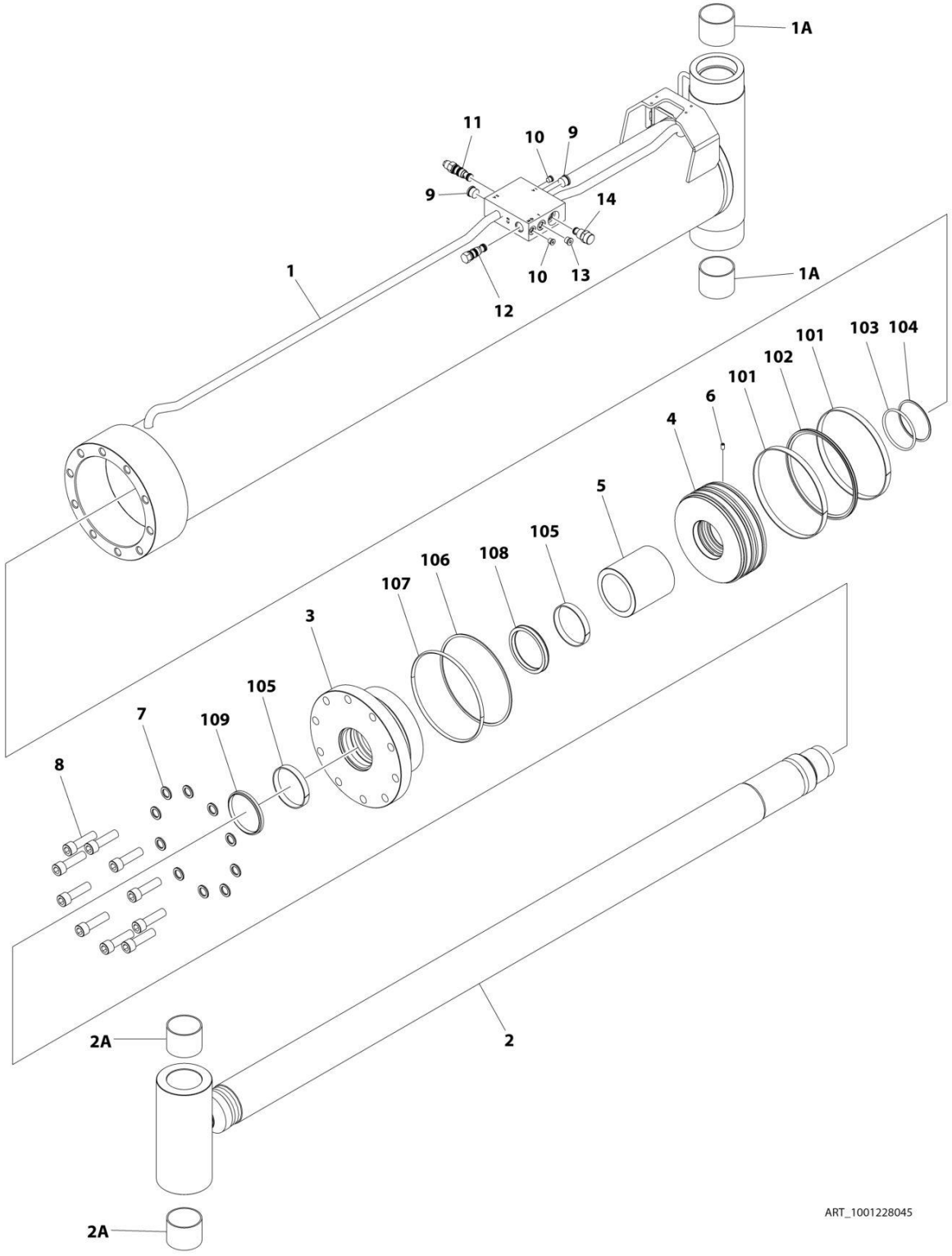


FIGURE 6-11. LIFT (BOOM) CYLINDER ASSEMBLY (SN 0300239991 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228045	Ref	LIFT (BOOM) CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not Available for Purchase)	
1A	0962297	2	Bearing	
2	70006559	1	Rod	
2A	0962297	2	Bearing	
3	70006558	1	Head	
4	70006557	1	Piston	
5	70006556	1	Spacer	
6	70020438	1	Screw	
7	70006555	10	Washer	
8	70006554	10	Capscrew 3/4 x 2-3/4	
9	2220887	2	Plug, O-Ring	
10	2220883	2	Plug, O-Ring	
11	1001125279	1	Cartridge, Valve	
11	2900770	1	Seal Kit - 1001125279 Cartridge Valve	
12	4640438	1	Cartridge, Check Valve	
12	2900770	1	Seal Kit - 4640438 Cartridge Valve	
13	2220885	1	Plug, O-Ring	
14	4641210	1	Cartridge, Pressure Regulator Valve	
14	7010545	1	Seal Kit - 4641210 Cartridge Valve	
100	70006560	1	Seal Kit (Includes Items 12-21)	
101	See Note	NSS	Ring, Wear (Note: Use Item 100)	
102	See Note	NSS	Seal, Piston (Note: Use Item 100)	
103	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
104	See Note	NSS	O-Ring (Note: Use Item 100)	
105	See Note	NSS	Ring, Wear (Note: Use Item 100)	
106	See Note	NSS	O-Ring (Note: Use Item 100)	
107	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
108	See Note	NSS	Seal, Rod (Note: Use Item 100)	
109	See Note	NSS	Wiper, Rod (Note: Use Item 100)	

FIGURE 6-12. LIFT (JIB) CYLINDER ASSEMBLY (SN 0300209000 through 0300239990)

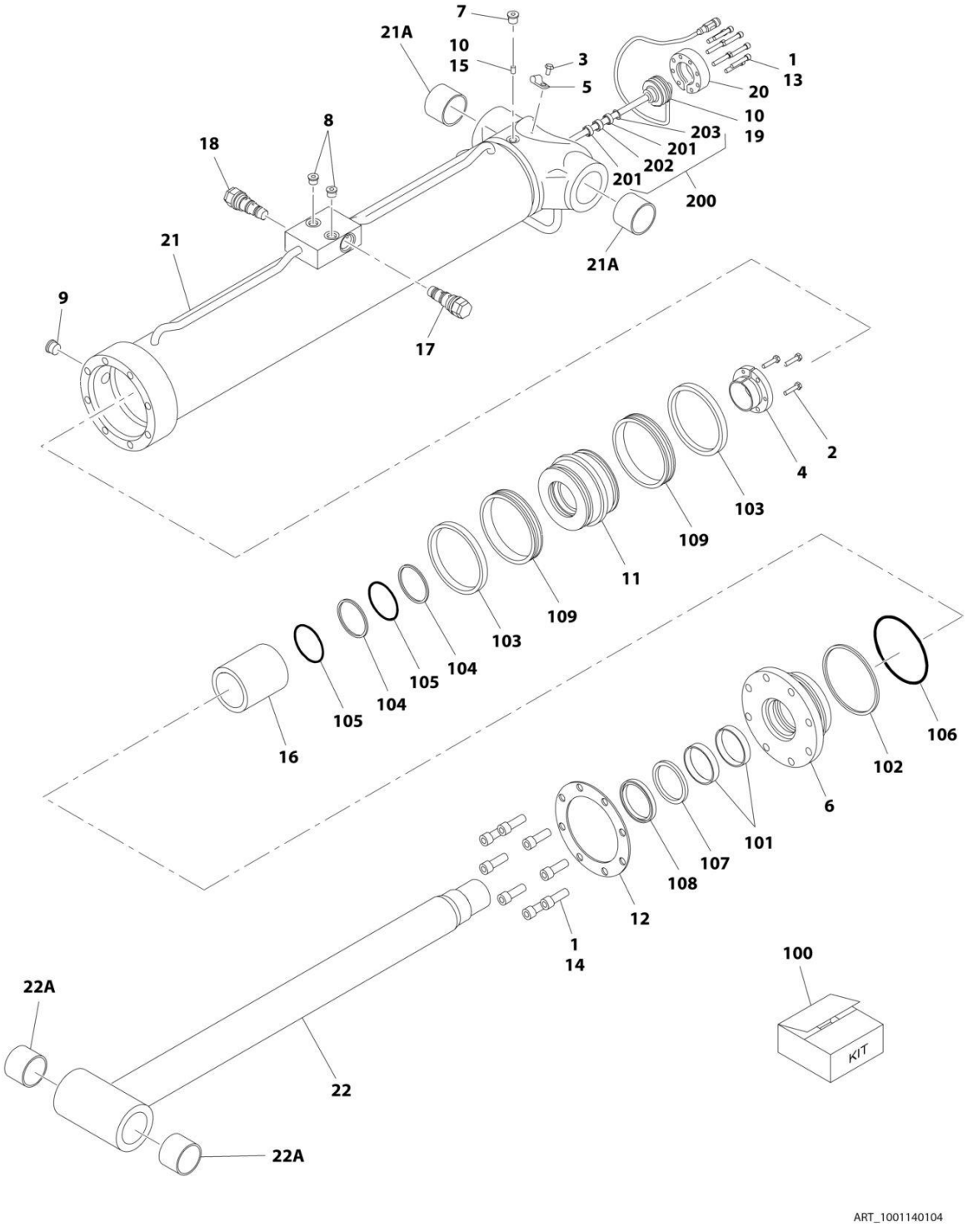


FIGURE 6-12. LIFT (JIB) CYLINDER ASSEMBLY (SN 0300209000 through 0300239990)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001140104	Ref	LIFT (JIB) CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0100011	AR	Compound, Locking	
2	0630535	3	Capscrew 1/4 x 1-1/8	
3	0791003	1	Screw #10 x 3/8	
4	0961897	1	Bushing, Tapered	
5	1320136	1	Clamp, Cable	
6	1683063	1	Head	
7	2220883	1	Plug, O-Ring	
8	2220885	2	Plug, O-Ring	
9	2220886	1	Plug, O-Ring	
10	3020039	AR	Lubricant	
11	3480282	1	Piston	
12	3760371	1	Ring, Washer	
13	3931420	8	Capscrew 1/4 x 1-1/4	
14	3931824	8	Capscrew 1/2 x 1-1/2	
15	3951003	1	Setscrew #10 x 3/8	
16	4100099	1	Spacer	
17	4640999	1	Cartridge, Holding Valve (Non Vented)	
17	2900792	1	Seal Kit - 4640999 Cartridge Valve	
18	4641248	1	Cartridge, Counterbalance Valve (Non Vented)	
18	See Note	1	Seal Kit - 4641248 Cartridge Valve (Note: Not Available for Purchase)	
19	1001117991	1	Sensor, Cylinder Length	
20	1001118070	1	Cap, Retainer	
21	1001118084	1	Barrel Weldment	
21A	0961950	2	Bushing	
22	1001118086	1	Rod Weldment	
22A	0961950	2	Bushing	
100	1001139996	1	Seal Kit (Includes Items 101-109)	
101	See Note	NSS	Ring, Wear (Note: Use Item 100)	
102	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
103	See Note	NSS	Ring, Lock (Note: Use Item 100)	
104	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
105	See Note	NSS	O-Ring (Note: Use Item 100)	
106	See Note	NSS	O-Ring (Note: Use Item 100)	
107	See Note	NSS	Seal (Note: Use Item 100)	
108	See Note	NSS	Wiper, Rod (Note: Use Item 100)	
109	See Note	NSS	Seal (Note: Use Item 100)	
200	1001119105	1	Sensor Magnet Kit (Includes Items 201-203)	
201	1001117994	2	Sleeve, Spacer	
202	1001118066	1	Magnet, Sensor	
203	1001118069	1	Ring, Internal Retaining	

FIGURE 6-13. LIFT (JIB) CYLINDER ASSEMBLY (SN 0300239991 through 0300272505)

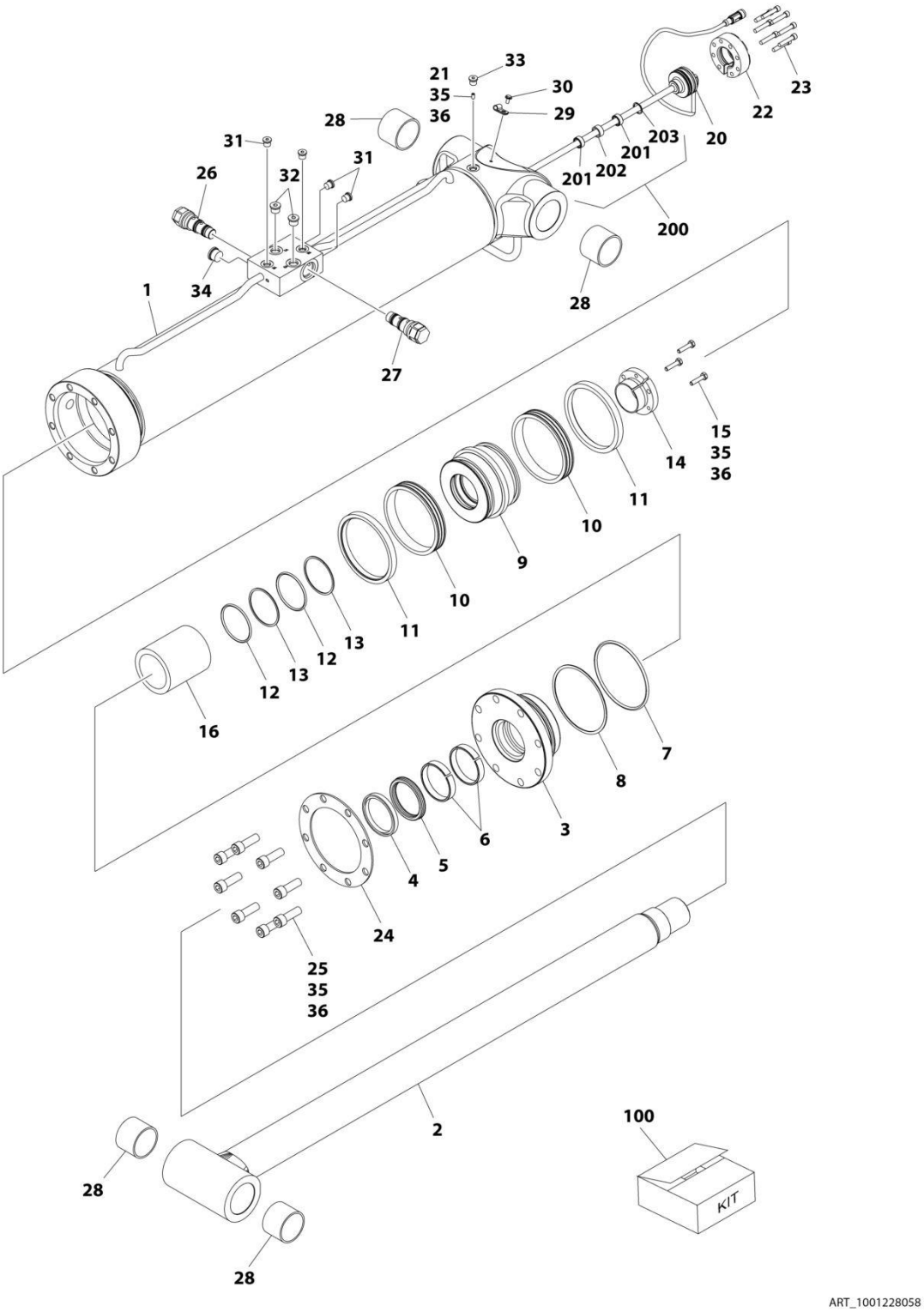


FIGURE 6-13. LIFT (JIB) CYLINDER ASSEMBLY (SN 0300239991 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228058	Ref	LIFT (JIB) CYLINDER ASSEMBLY	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel Weldment (Note: Not Available for Purchase)	
2	70006468	NLA	Rod Weldment (Use p/n 70007058)	
3	70006467	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	See Note	NSS	Seal, Rod (Note: Use Item 100)	
6	See Note	NSS	Ring, Wear (Note: Use Item 100)	
7	See Note	NSS	O-Ring (Note: Use Item 100)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
9	70006466	1	Piston	
10	See Note	NSS	Ring, Lock (Note: Use Item 100)	
11	See Note	NSS	Ring, Guide (Note: Use Item 100)	
12	See Note	NSS	O-Ring (Note: Use Item 100)	
13	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
14	0961897	1	Bushing, Tapered	
15	0630535	3	Capscrew 1/4 x 1-1/8	
16	70006465	1	Spacer	
20	1001117991	1	Sensor, Cylinder Length	
21	70006464	1	Setscrew M5	
22	70006463	1	Cap, Retainer	
23	3931420	1	Capscrew 1/4 x 1-1/4	
24	3760371	1	Ring, Washer	
24	70007049	2	Ring, Washer	
25	3931824	8	Capscrew 1/2 x 1-1/2	
26	4641248	1	Cartridge, Counterbalance Valve (Non Vented)	
26	See Note	NSS	Seal Kit - 4641248 Cartridge Valve (Note: Not Available for Purchase)	
27	4640999	1	Cartridge, Holding Valve (Non Vented)	
27	2900792	1	Seal Kit - 4640999 Cartridge Valve	
28	0961950	2	Bushing	
29	1320136	1	Clamp, Cable	
30	70006462	1	Bolt M5	
31	2220883	2	Plug, O-Ring	
32	2220885	2	Plug, O-Ring	
33	2220883	3	Plug, O-Ring	
34	2220886	1	Plug, O-Ring	
35	0100011	AR	Compound, Locking	
36	0100038	AR	Primer, Locking	
100	1001139996	1	Seal Kit (Includes Items 4-8 & 10-13)	
200	1001119105	1	Sensor Magnet Kit (Includes Items 201-203)	
201	1001117994	2	Sleeve, Spacer	
202	1001118066	1	Magnet, Sensor	
203	1001118069	1	Ring, Internal Retaining	

FIGURE 6-14. LOCK (JIB) CYLINDER ASSEMBLY (SN 0300209000 through 0300239674)

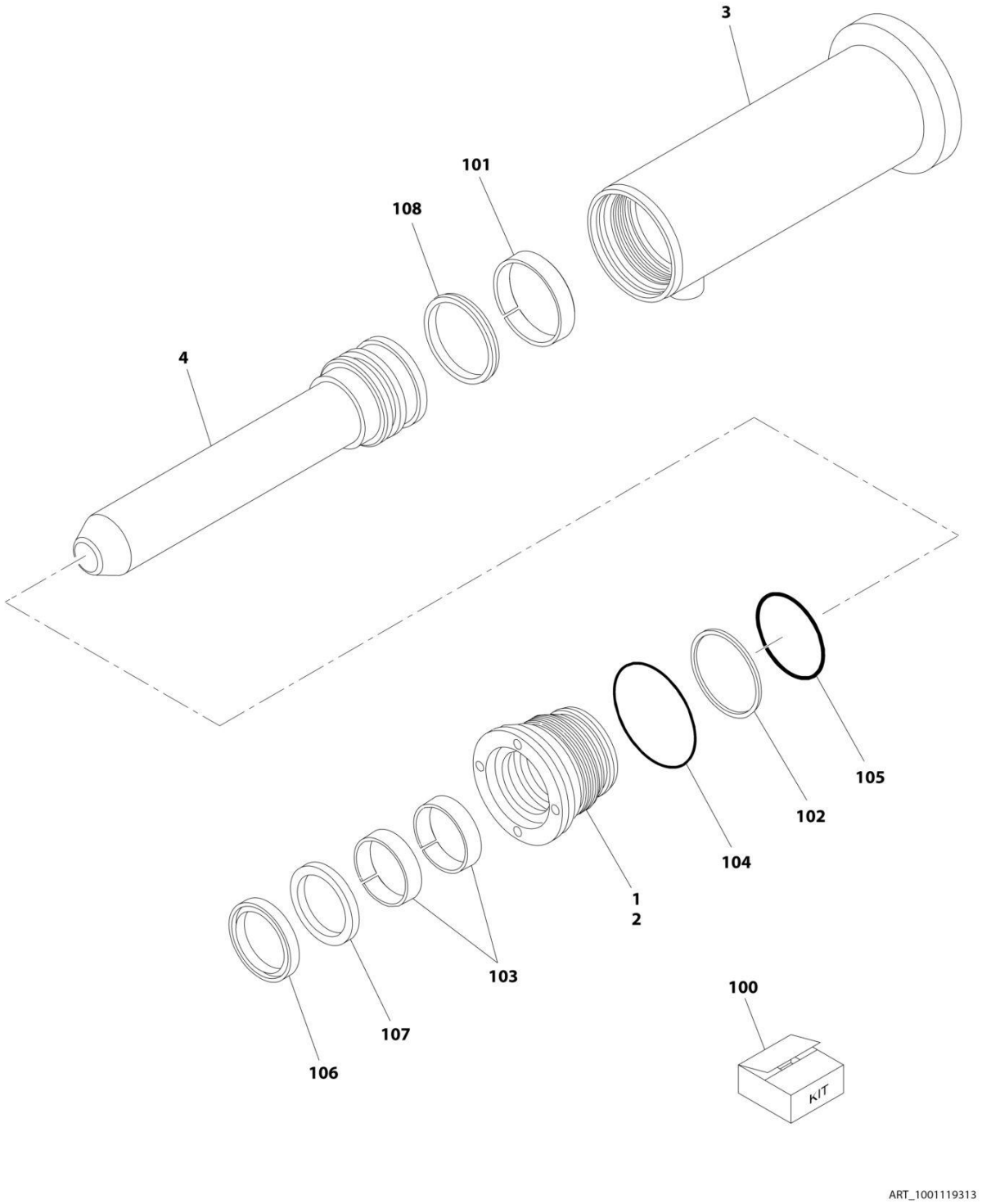


FIGURE 6-14. LOCK (JIB) CYLINDER ASSEMBLY (SN 0300209000 through 0300239674)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119313	Ref	LOCK (JIB) CYLINDER ASSEMBLY	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	2570008	1	Head	
2	3020043	AR	Lubricant	
3	1001119314	1	Barrel Weldment	
4	1001119318	1	Rod Weldment	
100	1001119452	1	Seal Kit (Includes Items 101-108)	
101	See Note	NSS	Ring, Wear (Note: Use Item 100)	
102	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
103	See Note	NSS	Ring, Wear (Note: Use Item 100)	
104	See Note	NSS	O-Ring (Note: Use Item 100)	
105	See Note	NSS	O-Ring (Note: Use Item 100)	
106	See Note	NSS	Wiper, Rod (Note: Use Item 100)	
107	See Note	NSS	Seal (Note: Use Item 100)	
108	See Note	NSS	Seal (Note: Use Item 100)	

FIGURE 6-15. LOCK (JIB) CYLINDER ASSEMBLY (SN 0300239675 through 0300272505)

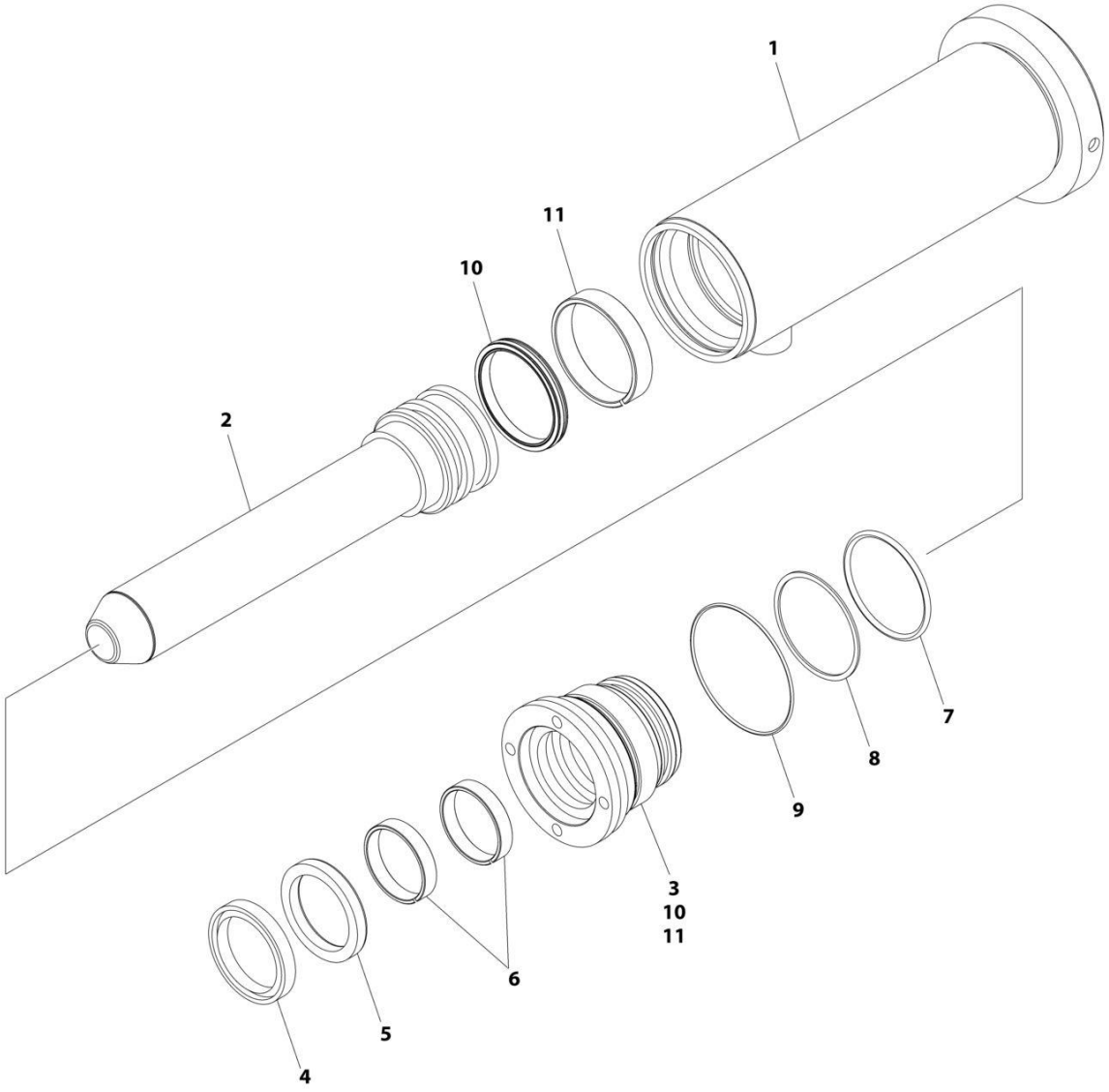


FIGURE 6-15. LOCK (JIB) CYLINDER ASSEMBLY (SN 0300239675 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228046	Ref	LOCK (JIB) CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel Weldment (Note: Not Available for Purchase)	
2	70006449	1	Rod	
3	70006448	1	Head	
4	See Note	NSS	Ring, Wiper (Note: Use Item 100)	
5	See Note	NSS	Seal, Rod (Note: Use Item 100)	
6	See Note	NSS	Ring, Wear (Note: Use Item 100)	
7	See Note	NSS	O-Ring (Note: Use Item 100)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
9	See Note	NSS	O-Ring (Note: Use Item 100)	
10	0100011	AR	Compound, Locking	
11	0100038	AR	Primer, Locking	
100	1001119452	1	Seal Kit (Includes Items 4-9)	

FIGURE 6-16. STEER CYLINDER ASSEMBLY (SN 0300209000 through 0300238017)

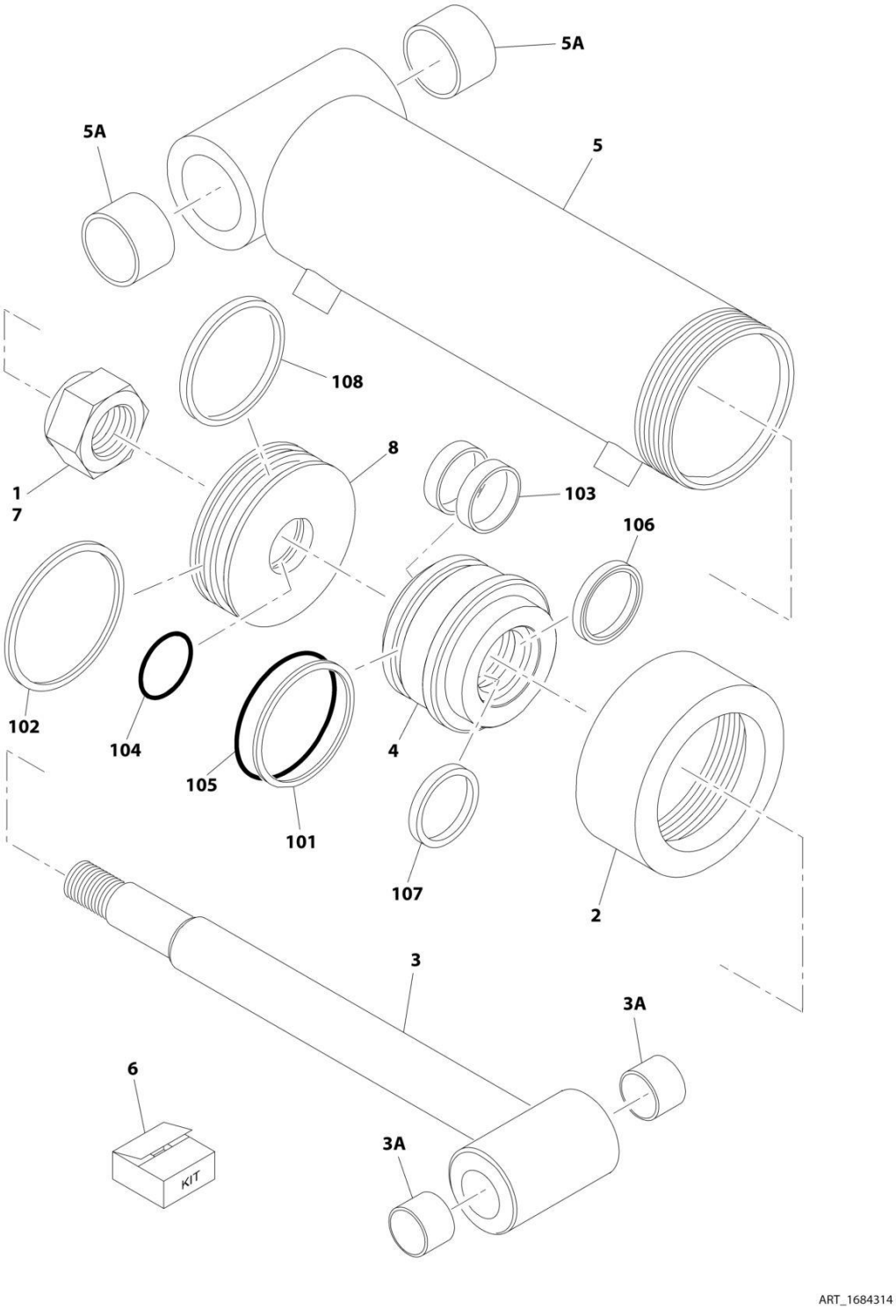


FIGURE 6-16. STEER CYLINDER ASSEMBLY (SN 0300209000 through 0300238017)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684314	Ref	STEER CYLINDER ASSEMBLY	F
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0100035	AR	Compound, Locking	
2	1120094	1	Cap, Cylinder	
3	1684275	1	Rod	
3A	0961950	2	Bushing	
4	1684315	1	Head	
5	1684317	1	Barrel	
5A	0961949	2	Bushing	
6	2902257	1	Seal Kit (Includes Items 101-108)	
7	3300465	1	Nut	
8	3480278	1	Piston	
101	See Note	NSS	Ring, Back-up (Note: Use Item 6)	
102	See Note	NSS	Ring, Wear (Note: Use Item 6)	
103	See Note	NSS	Ring, Wear (Note: Use Item 6)	
104	See Note	NSS	O-Ring (Note: Use Item 6)	
105	See Note	NSS	O-Ring (Note: Use Item 6)	
106	See Note	NSS	Wiper (Note: Use Item 6)	
107	See Note	NSS	Seal, Rod (Note: Use Item 6)	
108	See Note	NSS	Seal, Piston (Note: Use Item 6)	

FIGURE 6-17. STEER CYLINDER ASSEMBLY (SN 0300238018 through 0300272505)

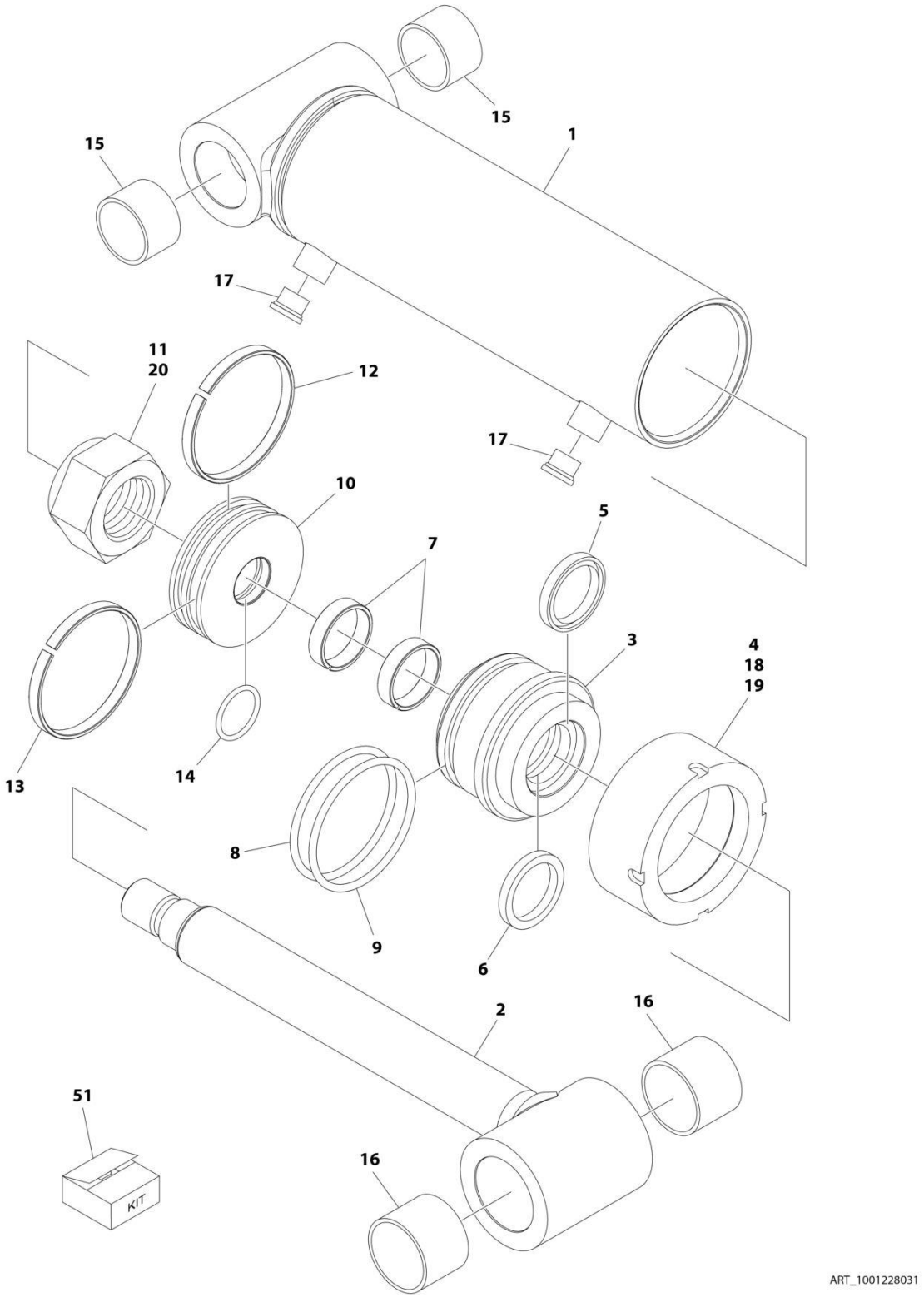


FIGURE 6-17. STEER CYLINDER ASSEMBLY (SN 0300238018 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228031	Ref	STEER CYLINDER ASSEMBLY	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not Available for Purchase)	
2	70006493	1	Rod	
3	70006492	1	Head	
4	70006491	1	Cap, Cylinder	
5	See Note	NSS	Wiper (Note: Use Item 51)	
6	See Note	NSS	Seal, Rod (Note: Use Item 51)	
7	See Note	NSS	Ring, Wear (Note: Use Item 51)	
8	See Note	NSS	O-Ring (Note: Use Item 51)	
9	See Note	NSS	Ring, Back-up (Note: Use Item 51)	
10	70006490	1	Piston	
11	3300465	1	Nut	
12	See Note	NSS	Seal, Piston (Note: Use Item 51)	
13	See Note	NSS	Ring, Wear (Note: Use Item 51)	
14	See Note	NSS	O-Ring (Note: Use Item 51)	
15	0961949	2	Bushing	
16	0961950	2	Bushing	
17	2220885	2	Plug (With O-Ring)	
18	0100011	AR	Compound, Locking	
19	0100038	AR	Primer, Locking	
20	0100019	AR	Compound, Locking	
51	2902257	1	Seal Kit (Includes Items 5-9 & 12-14)	

FIGURE 6-18. TELESCOPE (JIB) CYLINDER ASSEMBLY (SN 0300209000 through 0300213726)

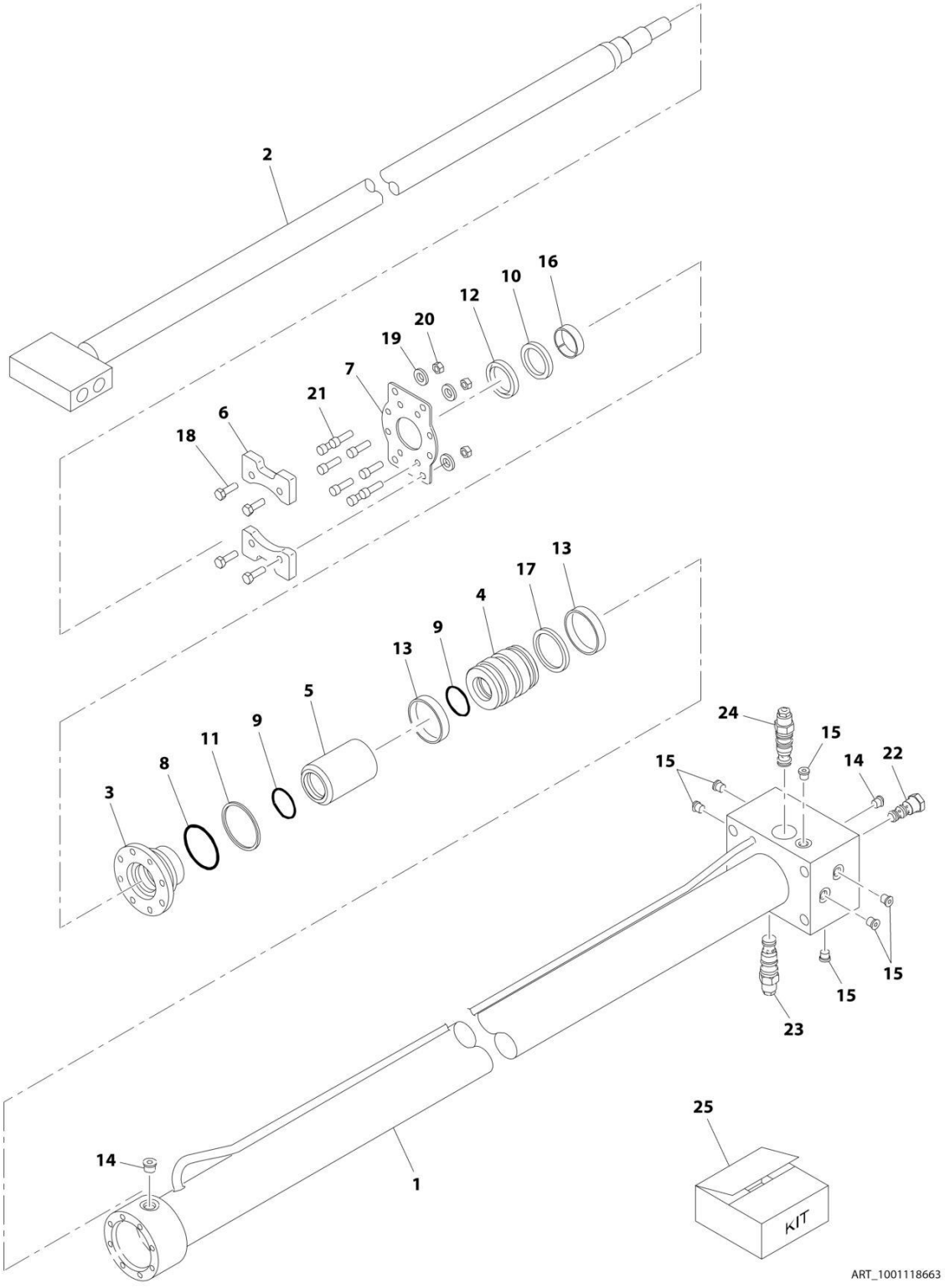


FIGURE 6-18. TELESCOPE (JIB) CYLINDER ASSEMBLY (SN 0300209000 through 0300213726)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118663	Ref	TELESCOPE (JIB) CYLINDER ASSEMBLY	F
1	70003052	1	Barrel	
2	70003051	1	Rod	
3	70003050	1	Head	
4	70003049	1	Piston	
5	70003048	1	Spacer	
6	70003047	2	Pad, Wear	
7	70003046	1	Support, Wear Pad	
8	See Note	NSS	O-Ring (Note: Use Item 25)	
9	See Note	NSS	O-Ring (Note: Use Item 25)	
10	See Note	NSS	Seal (Note: Use Item 25)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 25)	
12	See Note	NSS	Wiper (Note: Use Item 25)	
13	See Note	NSS	Ring, Wear (Note: Use Item 25)	
14	2220885	3	Plug (With O-Ring)	
15	2220883	6	Plug (With O-Ring)	
16	See Note	NSS	Ring, Wear (Note: Use Item 25)	
17	See Note	NSS	Seal (Note: Use Item 25)	
18	0641510	4	Bolt 5/16 x 1-1/4	
19	4761500	4	Washer 5/16	
20	3311501	4	Nut 5/16	
21	3931516	8	Capscrew 5/16 x 1	
22	10837580	1	Cartridge, Shuttle Valve	
22	7010543	1	Seal Kit - 10837580 Valve	
23	70003045	1	Cartridge, Counterbalance Valve	
23	2900770	1	Seal Kit - 70003045 Valve	
24	4640771	1	Cartridge, Counterbalance Valve	
24	2900770	1	Seal Kit - 4640771 Valve	
25	70003053	1	Seal Kit - 1001118663 Cylinder (Includes Items 8-13, 16 & 17)	

FIGURE 6-19. TELESCOPE (JIB) CYLINDER ASSEMBLY (SN 0300213727 through 0300244704)

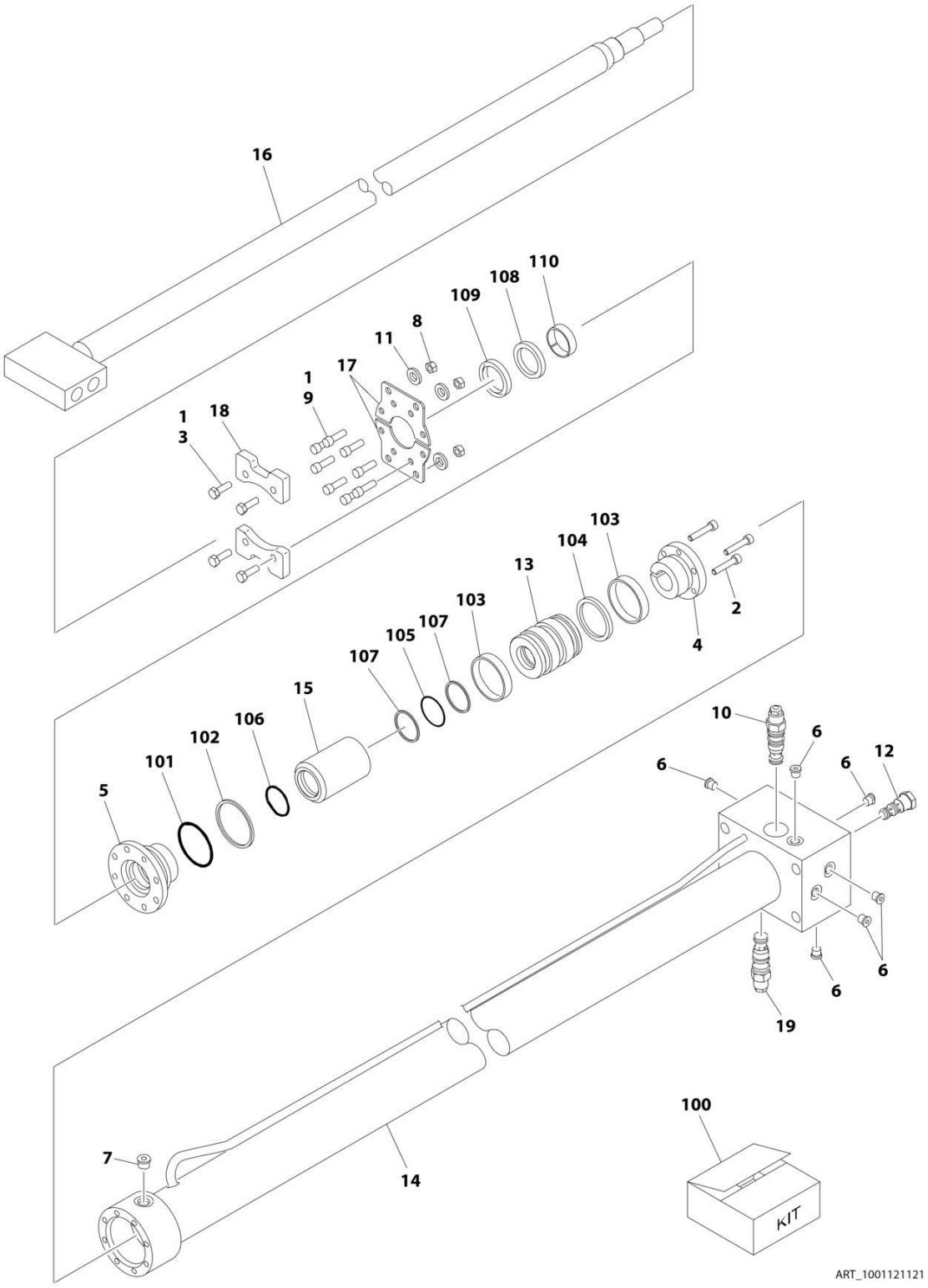


FIGURE 6-19. TELESCOPE (JIB) CYLINDER ASSEMBLY (SN 0300213727 through 0300244704)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121121	Ref	TELESCOPE (JIB) CYLINDER ASSEMBLY **(SN 0300213727 through 0300244704)**	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0100011	AR	Compound, Locking	
2	0630534	3	Capscrew #10 x 1	
3	0641508	4	Bolt 5/16 x 1	
4	0962185	1	Bushing, Tapered	
5	1683051	1	Head	
6	2220883	6	Plug (With O-Ring)	
7	2220885	1	Plug (With O-Ring)	
8	3311505	4	Nut 5/16	
9	3931516	8	Capscrew 5/16 x 1	
10	4640771	1	Cartridge, Counterbalance Valve	
10	2900770	1	Seal Kit - 4640771 Valve	
11	4751500	4	Washer 5/16	
12	10837580	1	Cartridge, Shuttle Valve	
12	7010543	1	Seal Kit - 10837580 Valve	
13	1001120944	1	Piston	
14	1001120950	1	Barrel	
15	1001120952	1	Spacer	
16	1001120954	1	Rod	
17	1001120960	2	Support, Wear Pad	
18	1001120961	2	Pad, Wear	
19	1001121155	1	Cartridge, Counterbalance Valve	
19	2900770	1	Seal Kit - 1001121155 Valve	
100	1001121157	1	Seal Kit - 1001121121 Cylinder (Includes Items 101-110)	
101	See Note	NSS	O-Ring (Note: Use Item 100)	
102	See Note	NSS	Seal (Note: Use Item 100)	
103	See Note	NSS	Ring, Wear (Note: Use Item 100)	
104	See Note	NSS	Seal (Note: Use Item 100)	
105	See Note	NSS	O-Ring (Note: Use Item 100)	
106	See Note	NSS	O-Ring (Note: Use Item 100)	
107	See Note	NSS	Seal, Back-up (Note: Use Item 100)	
108	See Note	NSS	Seal, Rod (Note: Use Item 100)	
109	See Note	NSS	Seal, Wiper (Note: Use Item 100)	
110	See Note	NSS	Ring, Wear (Note: Use Item 100)	

FIGURE 6-20. TELESCOPE (JIB) CYLINDER ASSEMBLY (SN 0300244705 through 0300272505)

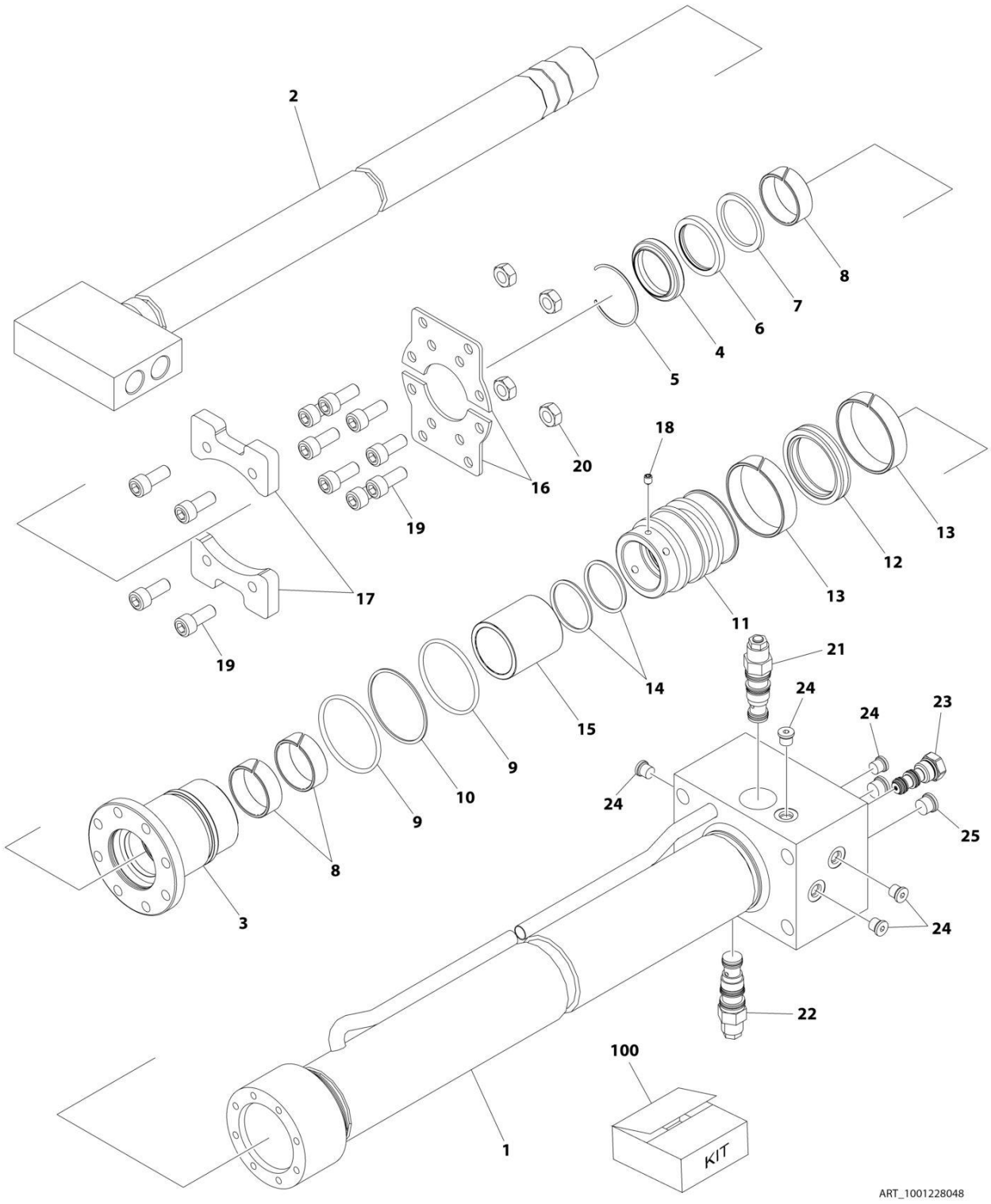


FIGURE 6-20. TELESCOPE (JIB) CYLINDER ASSEMBLY (SN 0300244705 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228048	Ref	TELESCOPE (JIB) CYLINDER ASSEMBLY	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel Weldment (Note: Not Available for Purchase)	
2	70006845	1	Rod Weldment	
3	70006846	1	Head	
4	See Note	NSS	Wiper, Rod (Note: Use Item 100)	
5	70002373	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	See Note	NSS	Ring, Wear (Note: Use Item 100)	
9	See Note	NSS	O-Ring (Note: Use Item 100)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
11	70006847	1	Piston	
12	See Note	NSS	Seal, Piston (Note: Use Item 100)	
13	See Note	NSS	Ring, Wear (Note: Use Item 100)	
14	70006848	2	O-Ring	
15	70006849	1	Spacer	
16	70006850	2	Plate	
17	70006851	2	Bracket	
18	70005879	1	Setscrew	
19	70005885	12	Capscrew M8	
20	70005594	4	Nut M8	
21	4640771	1	Cartridge, Counterbalance Valve	
21	2900770	1	Seal Kit - 4640771 Valve	
22	1001121155	1	Cartridge, Counterbalance Valve	
22	2900770	1	Seal Kit - 1001121155 Valve	
23	10837580	1	Cartridge, Shuttle Valve	
23	7010543	1	Seal Kit - 10837580 Valve	
24	2220883	6	Plug (With O-Ring)	
25	2220885	2	Plug (With O-Ring)	
100	70006852	1	Seal Kit (Includes Items 4, 6-10, 12 & 13)	

FIGURE 6-21. TELESCOPE (MAIN BOOM) CYLINDER ASSEMBLY (SN 0300209000 through 0300244704)

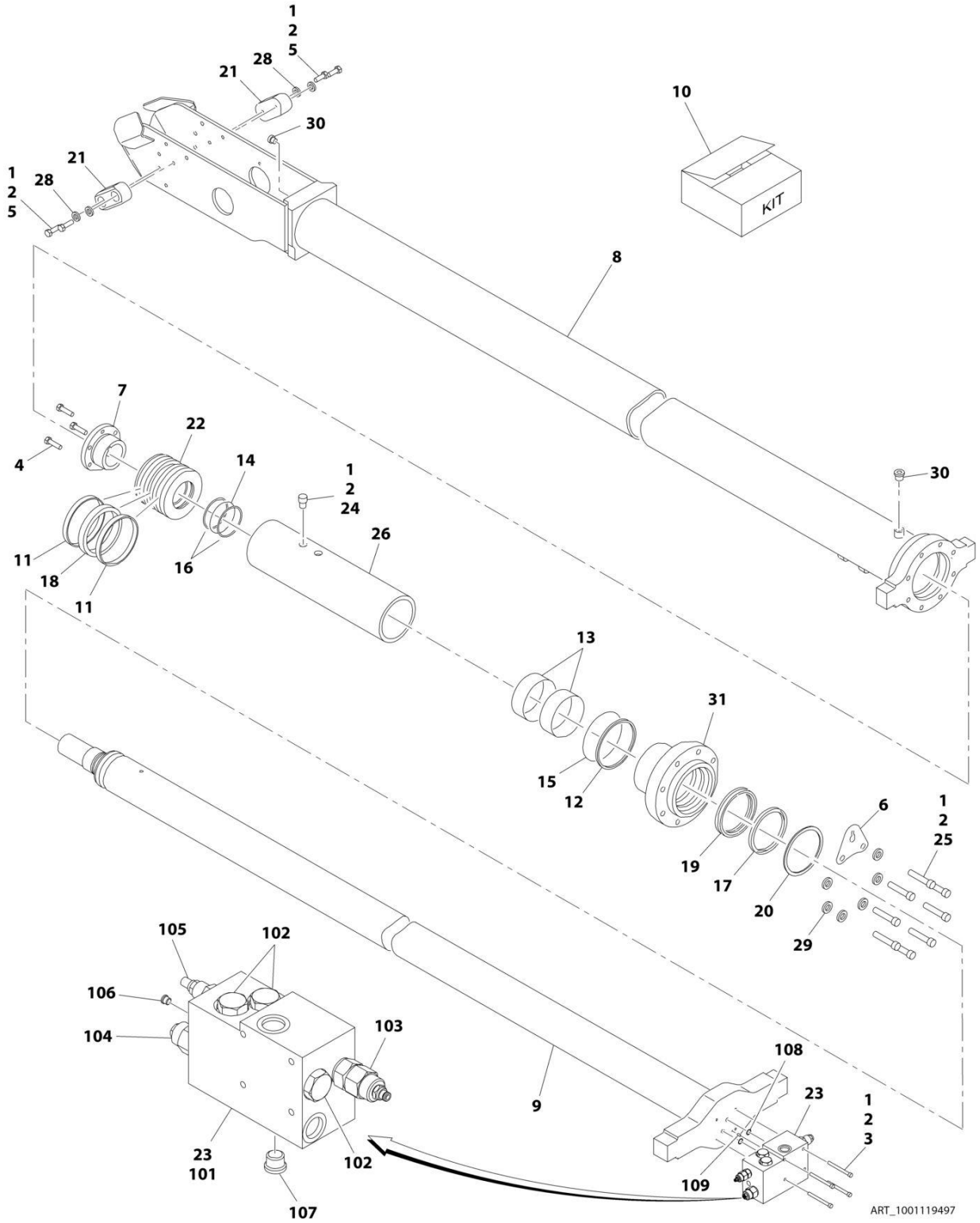


FIGURE 6-21. TELESCOPE (MAIN BOOM) CYLINDER ASSEMBLY (SN 0300209000 through 0300244704)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119497	Ref	TELESCOPE (MAIN BOOM) CYLINDER ASSEMBLY **(SN 0300209000 through 0300244704)**	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
3	3931456	4	Capscrew 1/4 x 3-1/2	
4	0630535	3	Capscrew	
5	0641608	4	Bolt 3/8 x 1	
6	0902743	1	Bracket	
7	0961903	1	Bushing, Tapered	
8	1001119498	1	Barrel Weldment	
9	1001119500	1	Rod Weldment	
10	2902081	1	Seal Kit (Includes Items 11-20)	
11	See Note	NSS	Ring, Wear (Note: Use Item 10)	
12	See Note	NSS	Ring, Back-up (Note: Use Item 10)	
13	See Note	NSS	Ring, Wear (Note: Use Item 10)	
14	See Note	NSS	O-Ring (Note: Use Item 10)	
15	See Note	NSS	O-Ring (Note: Use Item 10)	
16	See Note	NSS	Ring, Back-up (Note: Use Item 10)	
17	See Note	NSS	Wiper, Rod (Note: Use Item 10)	
18	See Note	NSS	T-Seal (Note: Use Item 10)	
19	See Note	NSS	Seal, Rod (Note: Use Item 10)	
20	See Note	NSS	Ring, Retaining (Note: Use Item 10)	
21	3340963	2	Pad, Wear	
22	3480268	1	Piston	
23	1001144398	1	Valve Assembly (See Items 101-109 for Breakdown)	
24	3931608	1	Capscrew 3/8 x 1	
25	3931840	8	Capscrew 1/2 x 2-1/2	
26	1001104922	1	Spacer	
28	4711600	4	Washer 3/8	
29	4891800	6	Washer 1/2	
30	2220885	2	Plug, O-Ring	
31	1684141	1	Head	
	1001144398	Ref	VALVE ASSEMBLY	A
101	See Note	NSS	Body, Valve (Note: Not Available for Purchase)	
102	7011368	3	Cartridge, Check Valve	
102	7011351	3	Seal Kit - 7011368 Cartridge	
103	70004029	1	Cartridge, Counterbalance Valve	
103	7011371	1	Seal Kit - 70004029 Cartridge	
104	4641289	1	Cartridge, Counterbalance Valve	
104	2900789	1	Seal Kit - 4641289 Cartridge	
105	70004030	1	Cartridge, Relief Valve	
105	7011311	1	Seal Kit - 70004030 Cartridge	
106	70003031	1	Plug, O-Ring	
107	70003030	1	Plug, O-Ring	
108	70003029	2	O-Ring	
109	See Note	NSS	Pin (Note: Not Available for Purchase)	

FIGURE 6-22. TELESCOPE (MAIN BOOM) CYLINDER ASSEMBLY (SN 0300244705 through 0300272505)

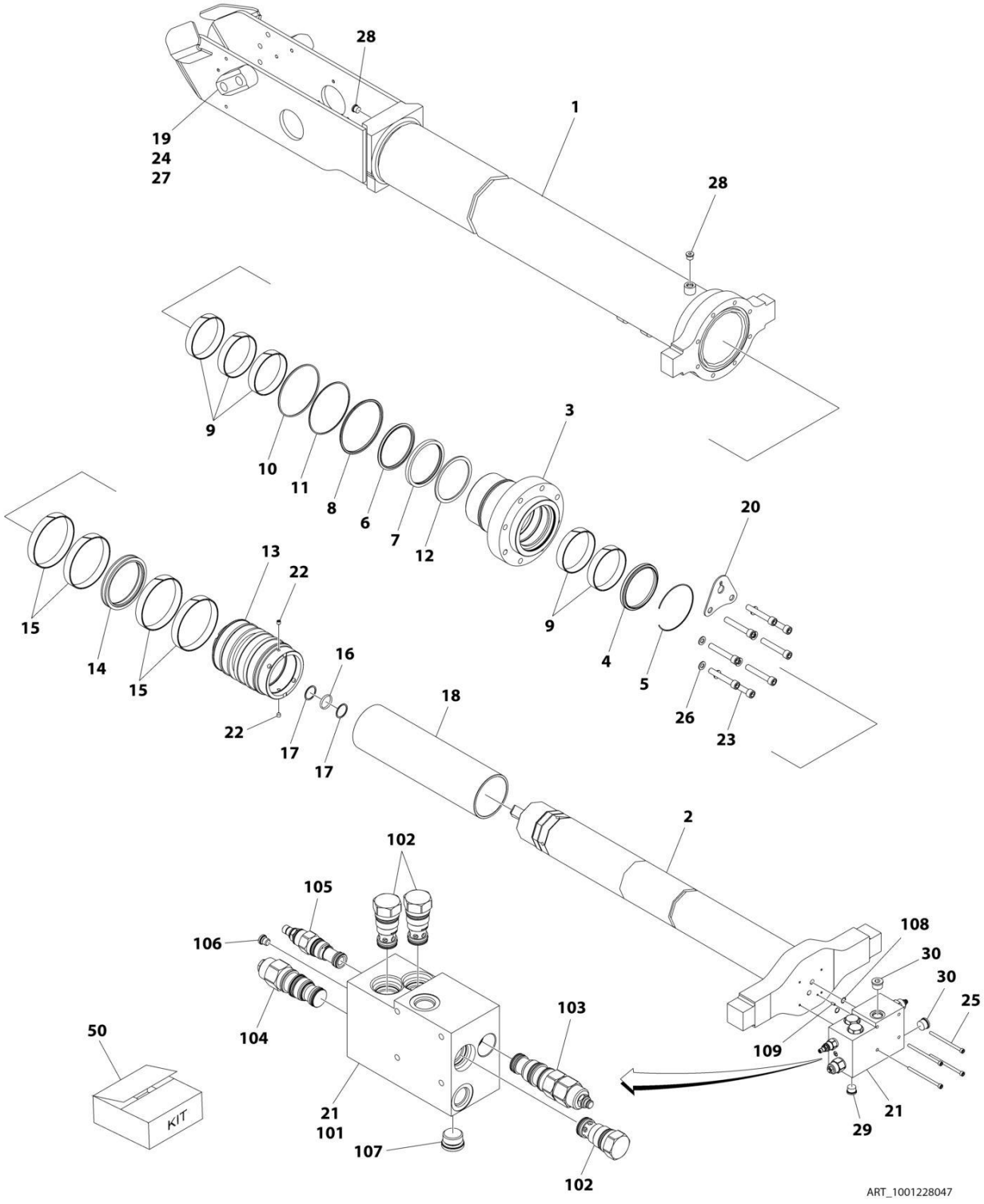
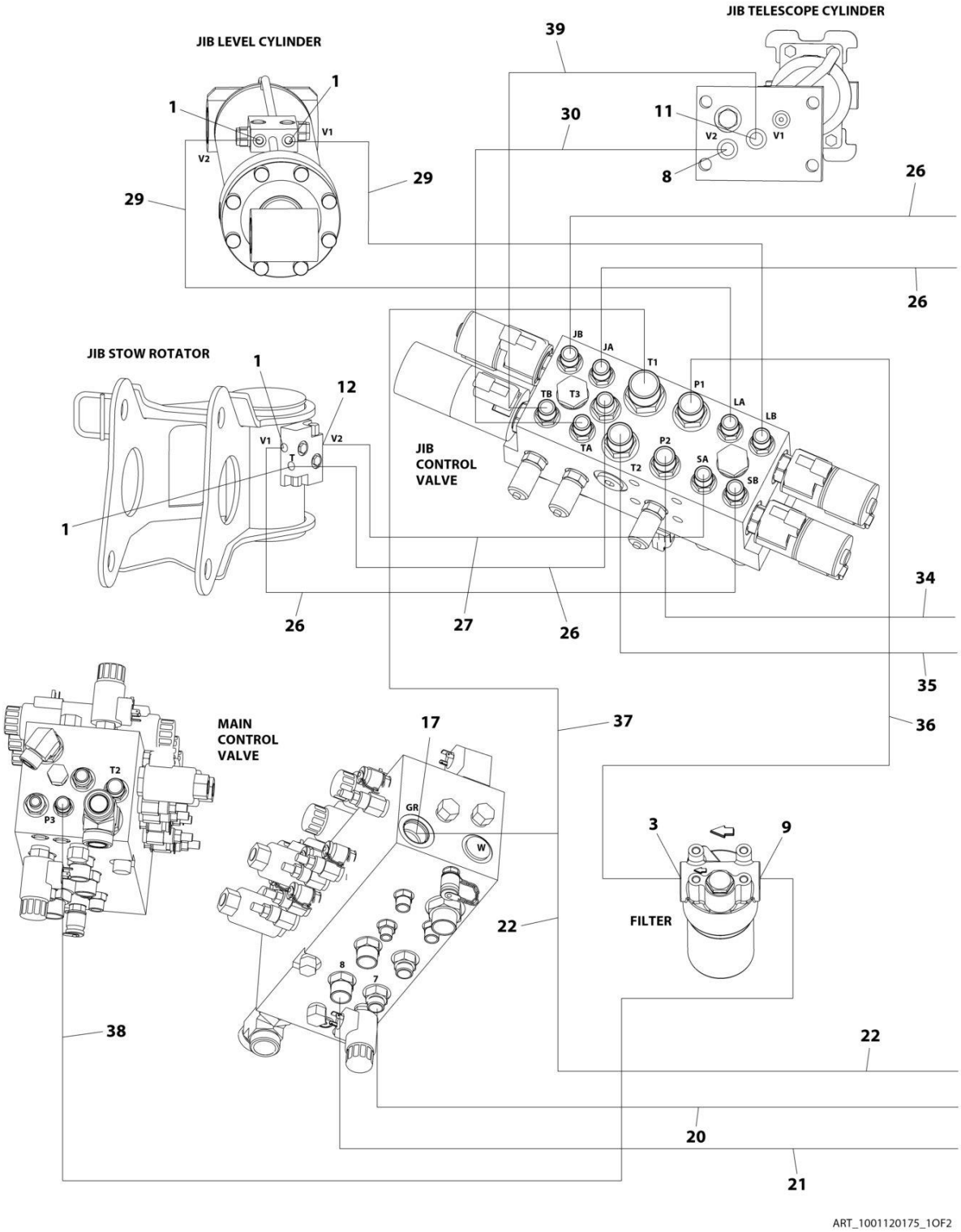


FIGURE 6-22. TELESCOPE (MAIN BOOM) CYLINDER ASSEMBLY (SN 0300244705 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228047	Ref	TELESCOPE (MAIN BOOM) CYLINDER ASSEMBLY	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not Available for Purchase)	
2	70006824	1	Rod	
3	70006825	1	Head	
4	See Note	NSS	Wiper, Rod (Note: Use Item 50)	
5	70026283	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 50)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
8	See Note	NSS	O-Ring (Note: Use Item 50)	
9	See Note	NSS	Ring, Wear (Note: Use Item 50)	
10	See Note	NSS	O-Ring (Note: Use Item 50)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
12	See Note	NSS	O-Ring (Note: Use Item 50)	
13	70006826	1	Piston	
14	See Note	NSS	Seal, Piston (Note: Use Item 50)	
15	See Note	NSS	Ring, Wear (Note: Use Item 50)	
16	See Note	NSS	O-Ring (Note: Use Item 50)	
17	See Note	NSS	Ring, Back-up (Note: Use` Item 50)	
18	70006827	1	Spacer	
19	70006828	2	Pad, Wear	
20	70006829	1	Bracket	
21	1001144398	1	Valve Assembly (See Items 101-109 for Breakdown)	
22	70006799	2	Setscrew	
23	70005882	8	Capscrew M12	
24	70005885	4	Capscrew	
25	70006830	4	Capscrew	
26	70005883	6	Washer M12	
27	70006344	4	Washer	
28	2220885	2	Plug, O-Ring	
29	2220886	1	Plug, O-Ring	
30	70005433	2	Plug, O-Ring	
50	70006831	1	Seal Kit (Includes Items 4, 6-12 & 14-17)	
	1001144398	Ref	VALVE ASSEMBLY	A
101	See Note	NSS	Body, Valve (Note: Not Available for Purchase)	
102	7011368	3	Cartridge, Check Valve	
102	7011351	3	Seal Kit - 7011368 Cartridge	
103	70004029	1	Cartridge, Counterbalance Valve	
103	7011371	1	Seal Kit - 70004029 Cartridge	
104	4641289	1	Cartridge, Counterbalance Valve	
104	2900789	1	Seal Kit - 4641289 Cartridge	
105	70004030	1	Cartridge, Relief Valve	
105	7011311	1	Seal Kit - 70004030 Cartridge	
106	70003031	1	Plug, O-Ring	
107	70003030	1	Plug, O-Ring	
108	70003029	2	O-Ring	
109	See Note	NSS	Pin (Note: Not Available for Purchase)	

SECTION 7 - HYDRAULIC

FIGURE 7-1. HYDRAULIC DIAGRAM - BOOM



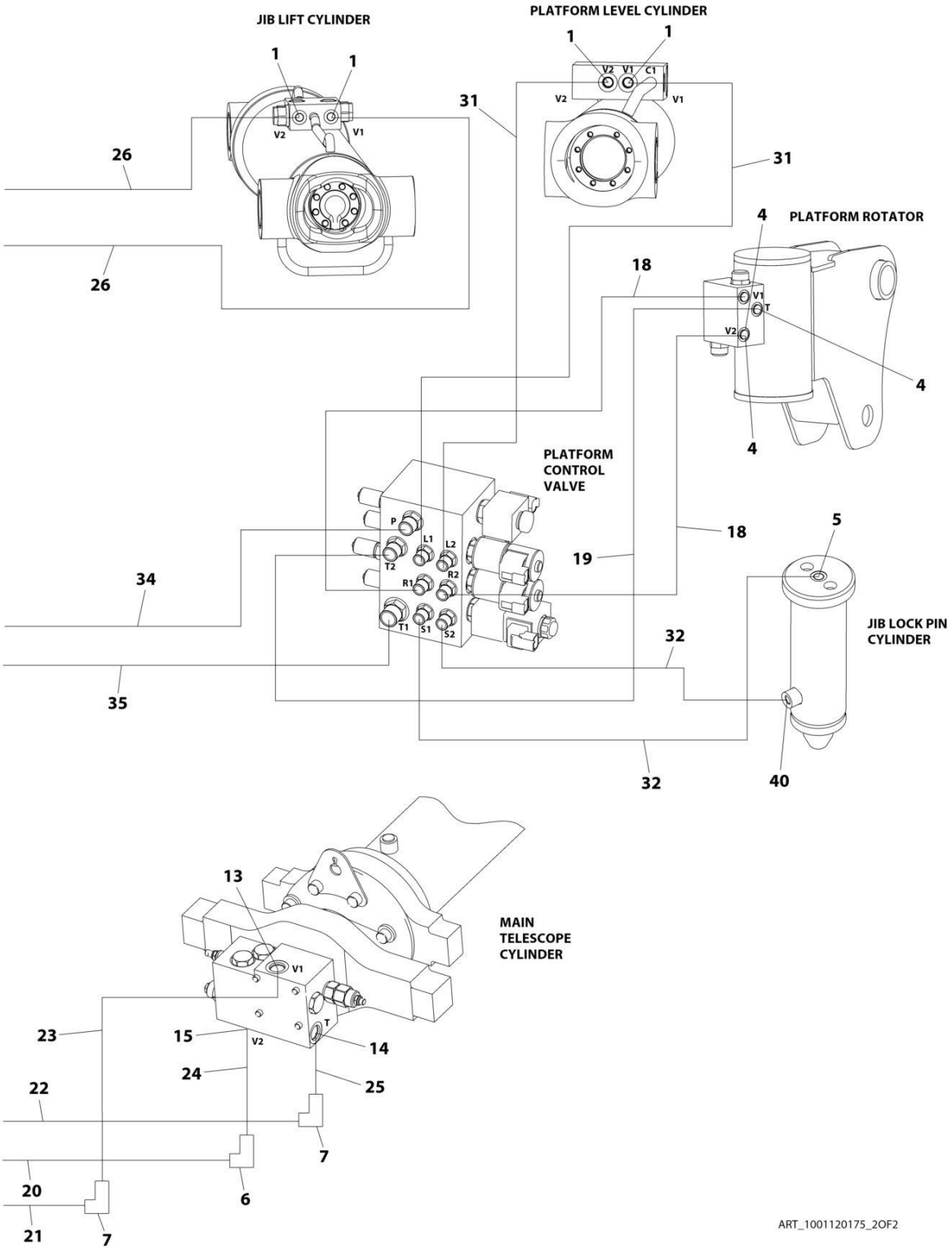
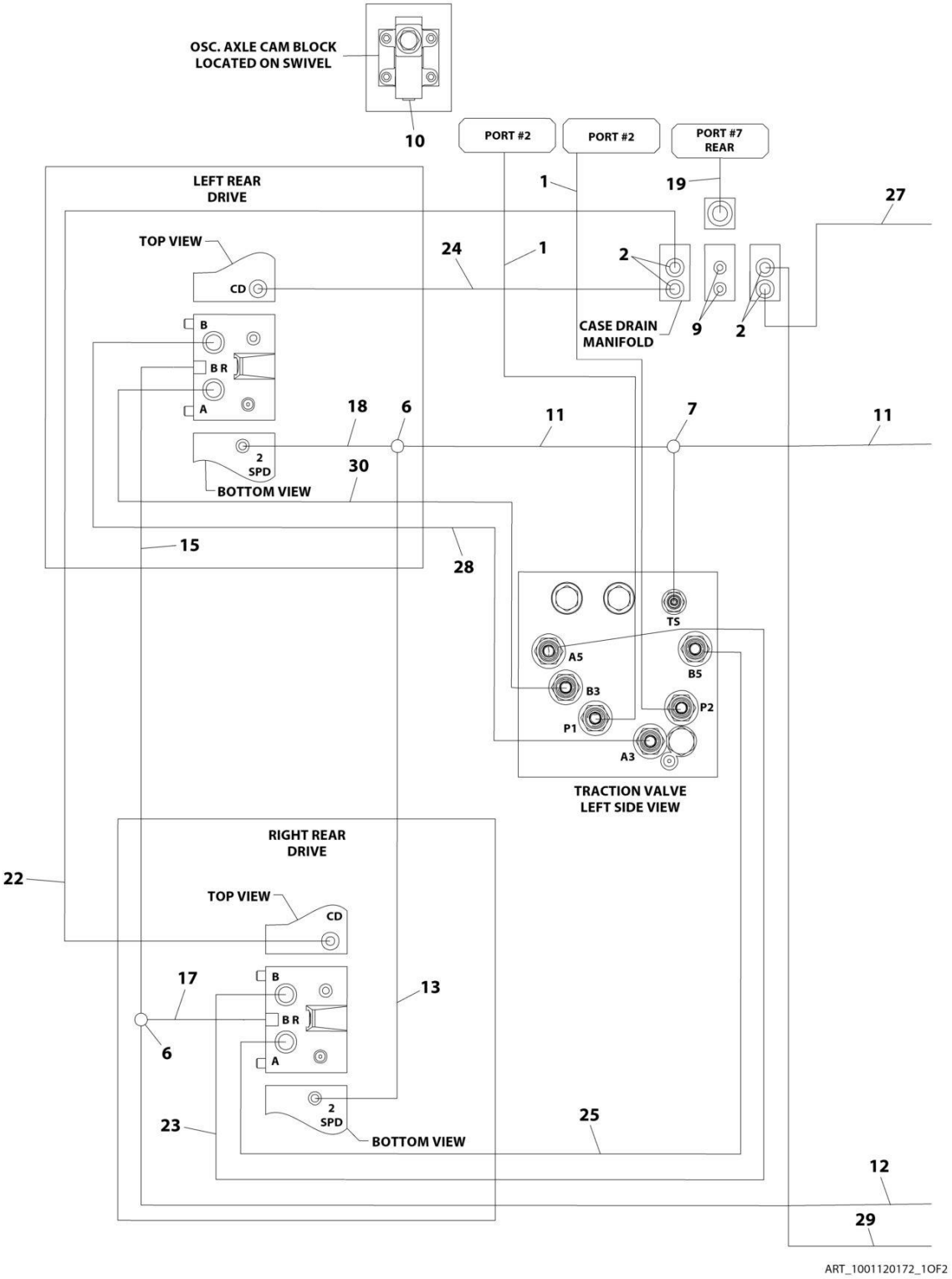

JIB LIFT CYLINDER
PLATFORM LEVEL CYLINDER
PLATFORM ROTATOR
PLATFORM CONTROL VALVE
JIB LOCK PIN CYLINDER
MAIN TELESCOPE CYLINDER
ART_1001120175_2OF2

FIGURE 7-1. HYDRAULIC DIAGRAM - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC DIAGRAM - BOOM	
	1001120168	Ref	Hydraulic Diagram Chart for Deutz TD2011 Engine Machines with Rexroth Pumps	F
	1001152972	Ref	Hydraulic Diagram Chart for Deutz TCD2.9L4 Engine Machines with Rexroth Pumps	B
	1001120169	Ref	Hydraulic Diagram Chart for Deutz TD2011 & Deutz TCD2.9L4 Engine Machines with Sauer Pumps	E
	1001120175	Ref	Hydraulic Diagram - Main Boom and Jib	G
1	2110404	8	Fitting, Straight ORFS/ORB	
3	2110812	1	Fitting, Straight ORFS/ORB	
4	2150404	3	Fitting, 45 ORFS/ORB	
5	2110406	2	Fitting, Straight ORFS/ORB	
6	2171208	1	Fitting, 90 ORFS/ORB	
7	2171210	2	Fitting, 90 ORFS/ORB	
8	2130406	2	Fitting, 90 ORFS/ORB	
9	2130812	1	Fitting, 90 ORFS/ORB	
11	1001134728	1	Fitting, 90 with 0.090 Orifice	
12	2130404	1	Fitting, 90 ORFS/ORB	
13	2111010	1	Fitting, Straight ORFS/ORB	
14	2131010	1	Fitting, 90 ORFS/ORB	
15	2130808	1	Fitting, 90 ORFS/ORB	
17	2170710	1	Fitting, Straight Adapter ORFS/ORFS/ORB	
18	2753545	2	Hose	
19	1001120348	1	Hose	
20	2753755	1	Hose	
21	2753767	1	Hose	
22	1001120349	1	Hose	
23	2753763	1	Hose	
24	1001120350	1	Hose	
25	1001120351	1	Hose	
26	2753784	4	Hose	
27	2753675	1	Hose	
29	2753743	2	Hose	
30	1001118932	1	Hose **(SN 0300209000 through 0300217093)**	
30	1001213385	1	Hose **(SN 0300217094 through 0300272505)**	
31	2754470	1	Hose	
32	1001120352	2	Hose	
34	1001120354	1	Hose	
35	1001120355	1	Hose	
36	1001120356	1	Hose	
37	1001120357	1	Hose	
38	1001120358	1	Hose **(SN 0300209000 through 0300218860)**	
38	1001119546	1	Hose **(SN 0300218861 through 0300272505)**	
39	2717235	1	Hose	
40	2150406	1	Adapter ORFS/ORB	

FIGURE 7-2. HYDRAULIC DIAGRAM - DRIVE



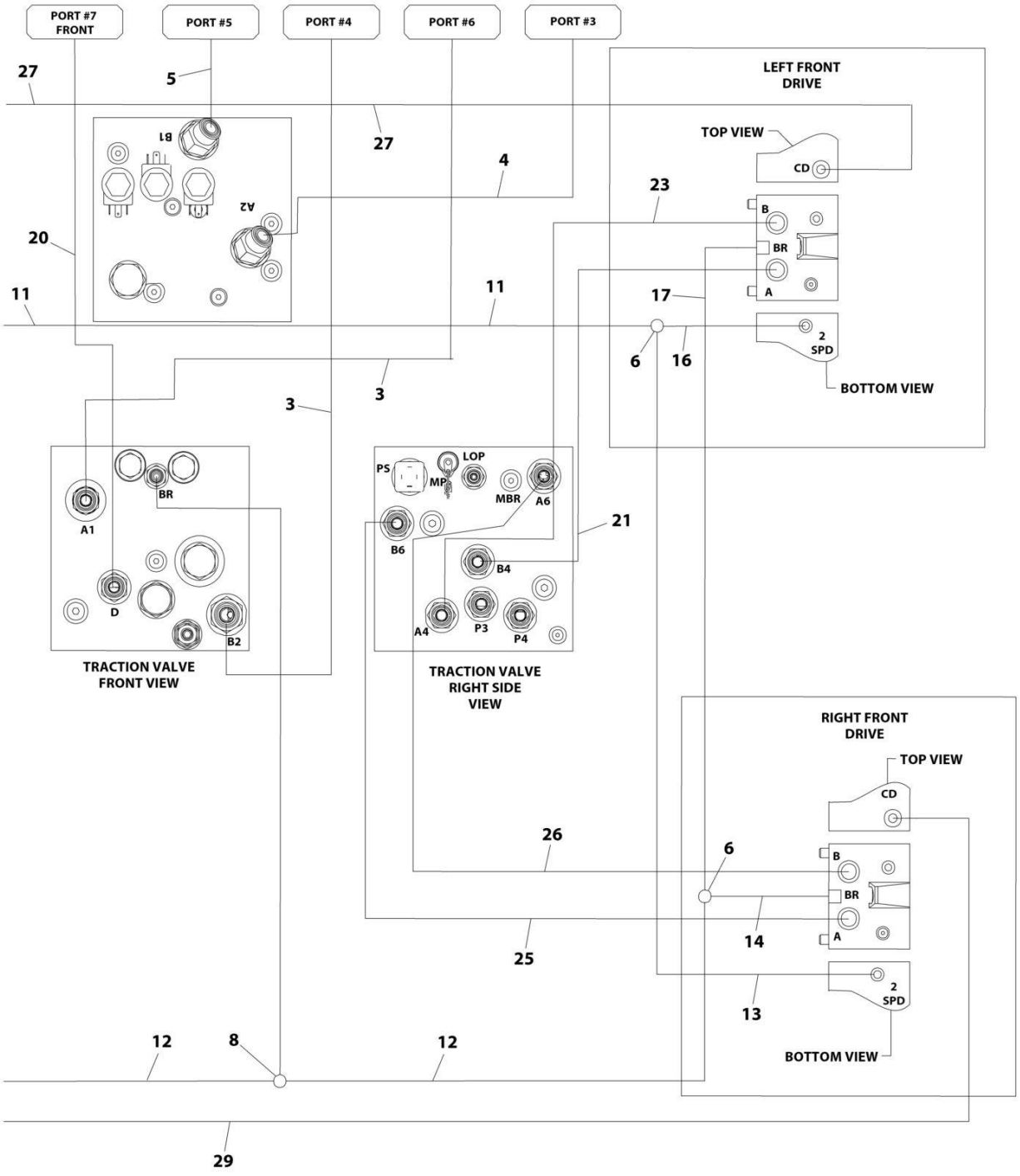

PORT #7 FRONT
PORT #5
PORT #4
PORT #6
PORT #3
27
5
27
4
20
11
11
3
3
B1
A2
LEFT FRONT DRIVE
TOP VIEW
CD
23
B
BR
A
17
6
16
2 SPD
BOTTOM VIEW
BR
A1
D
B2
TRACTION VALVE FRONT VIEW
PS
MP
LOP
MBR
A6
B6
B4
A4
P3
P4
21
TRACTION VALVE RIGHT SIDE VIEW
RIGHT FRONT DRIVE
TOP VIEW
CD
26
6
B
BR
A
14
25
2 SPD
13
BOTTOM VIEW
12
8
12
29
ART_1001120172_2OF2

FIGURE 7-2. HYDRAULIC DIAGRAM - DRIVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC DIAGRAM - DRIVE	
	1001120168	Ref	Hydraulic Diagram Chart for Deutz TD2011 Engine Machines with Rexroth Pumps	F
	1001152972	Ref	Hydraulic Diagram Chart for Deutz TCD2.9L4 Engine Machines with Rexroth Pumps	B
	1001120169	Ref	Hydraulic Diagram Chart for Deutz TD2011 & Deutz TCD2.9L4 Engine Machines with Sauer Pumps	E
	1001120172	Ref	Hydraulic Diagram - Drive	B
1	2753685	2	Hose	
2	2110808	4	Fitting, Straight ORFS/ORB	
3	2753703	2	Hose	
4	2753764	1	Hose	
5	2753768	1	Hose	
6	2170504	4	Fitting, Tee ORFS/ORFS/ORFS	
7	2170704	1	Fitting, Tee ORFS/ORB/ORFS	
8	2170804	1	Fitting, Tee ORFS/ORB/ORFS	
9	2220235	AR	Plug	
10	2220238	1	Plug **(SN 0300209000 through 0300218861)**	
11	2753541	2	Hose	
12	2753545	2	Hose	
13	2753677	2	Hose	
14	2753714	1	Hose	
15	2753713	1	Hose	
16	2753716	1	Hose	
17	2753715	2	Hose	
18	2753552	1	Hose	
19	2753752	1	Hose	
20	2753582	1	Hose	
21	2753756	1	Hose	
22	2753747	1	Hose	
23	2753757	2	Hose	
24	2753748	1	Hose	
25	2753759	2	Hose	
26	2753760	1	Hose	
27	2753749	1	Hose	
28	2753761	1	Hose	
29	2753750	1	Hose	
30	2753762	1	Hose	

FIGURE 7-3. HYDRAULIC DIAGRAM - OSCILLATING AXLE

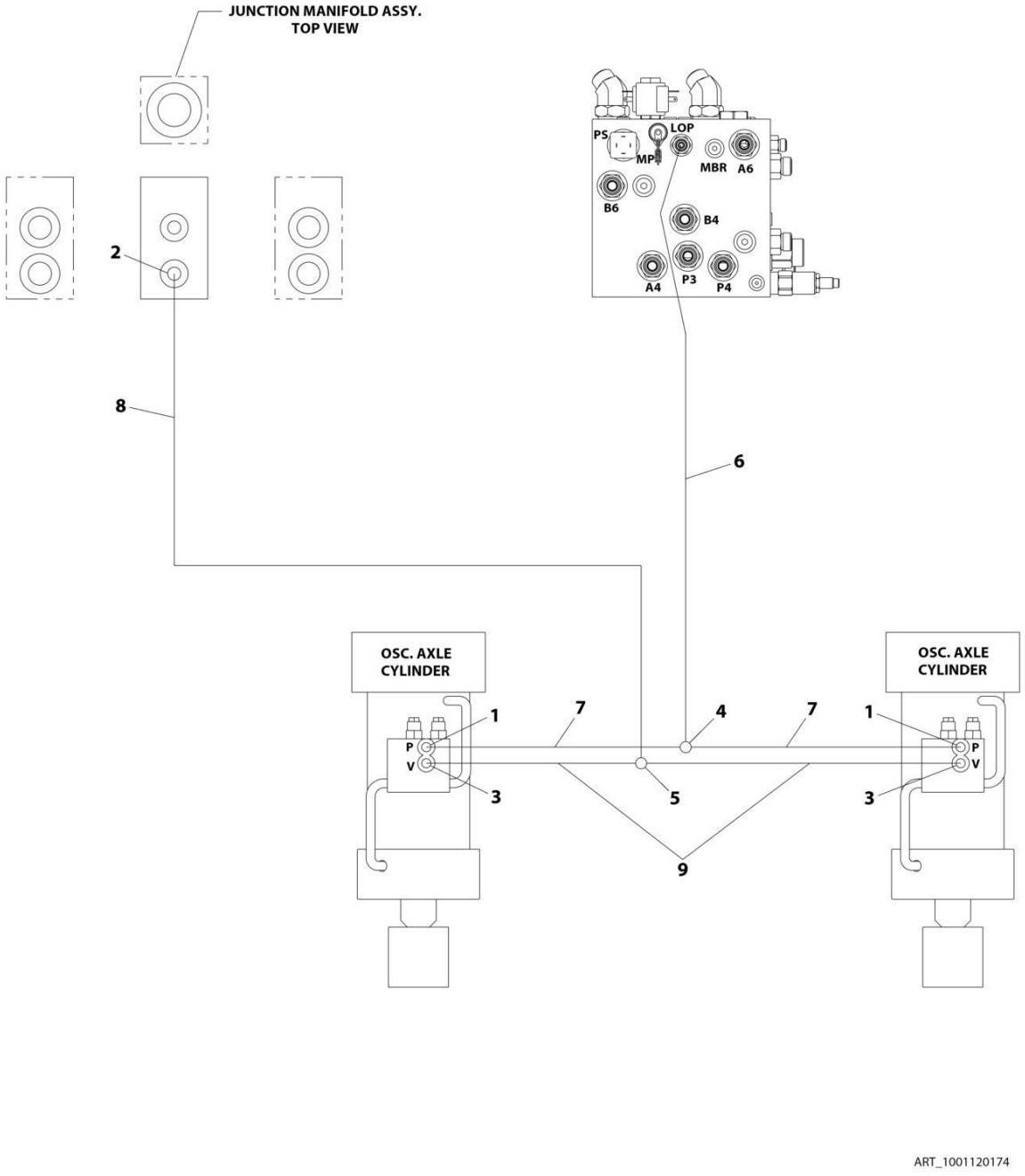
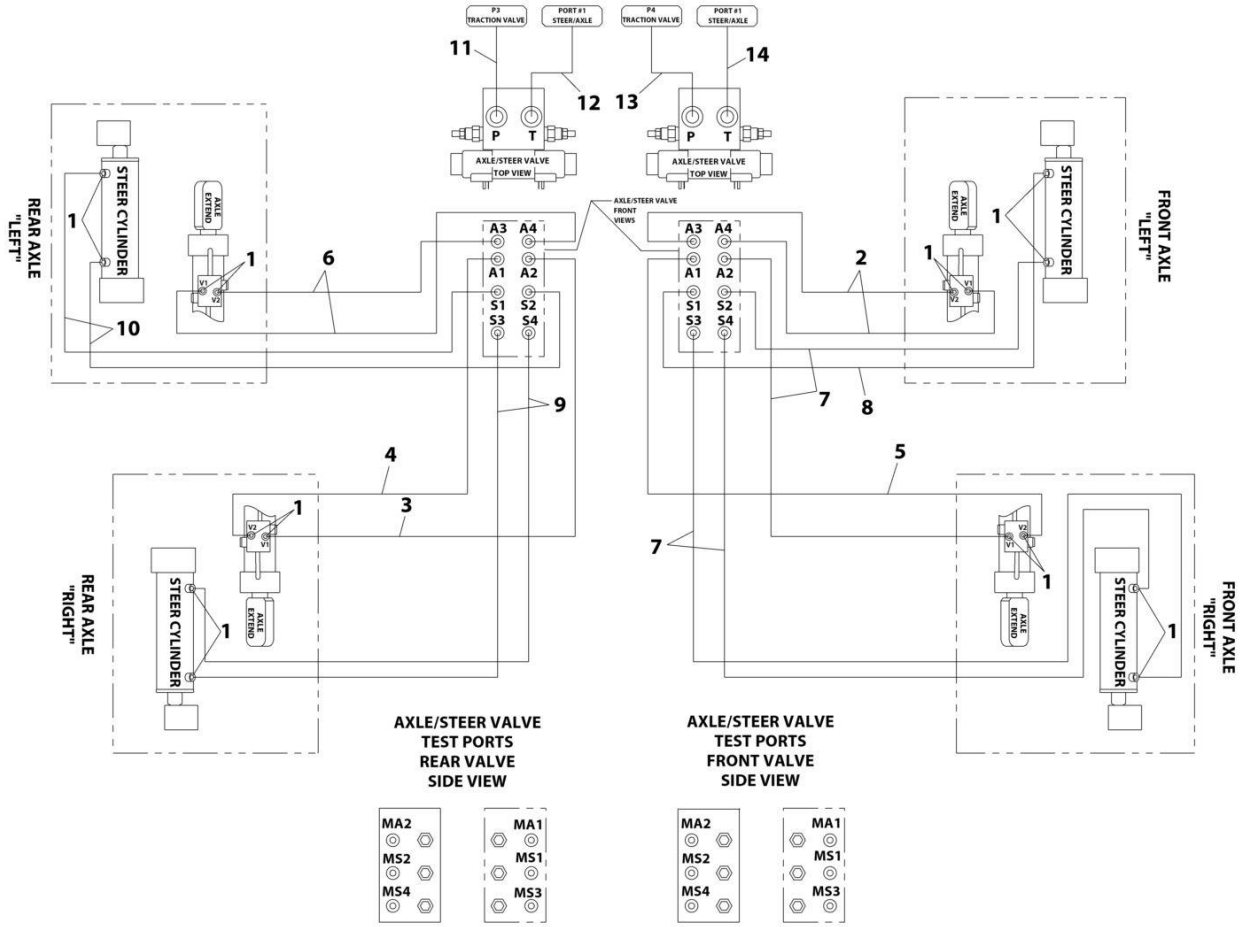


FIGURE 7-3. HYDRAULIC DIAGRAM - OSCILLATING AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC DIAGRAM - OSCILLATING AXLE	
	1001120168	Ref	Hydraulic Diagram Chart for Deutz TD2011 Engine Machines with Rexroth Pumps	F
	1001152972	Ref	Hydraulic Diagram Chart for Deutz TCD2.9L4 Engine Machines with Rexroth Pumps	B
	1001120169	Ref	Hydraulic Diagram Chart for Deutz TD2011 & Deutz TCD2.9L4 Engine Machines with Sauer Pumps	E
	1001120174	Ref	Hydraulic Diagram - Oscillating Axle	1
1	2110406	2	Fitting, Straight ORFS/ORB	
2	2110604	1	Fitting, Straight ORFS/ORB	
3	2110606	2	Fitting, Straight ORFS/ORB	
4	2170504	1	Fitting, Tee ORFS/ORFS/ORFS	
5	2170506	1	Fitting, Tee ORFS/ORFS/ORFS	
6	2753726	1	Hose	
7	2753719	2	Hose	
8	2753727	1	Hose	
9	2753729	2	Hose	

FIGURE 7-4. HYDRAULIC DIAGRAM - STEER

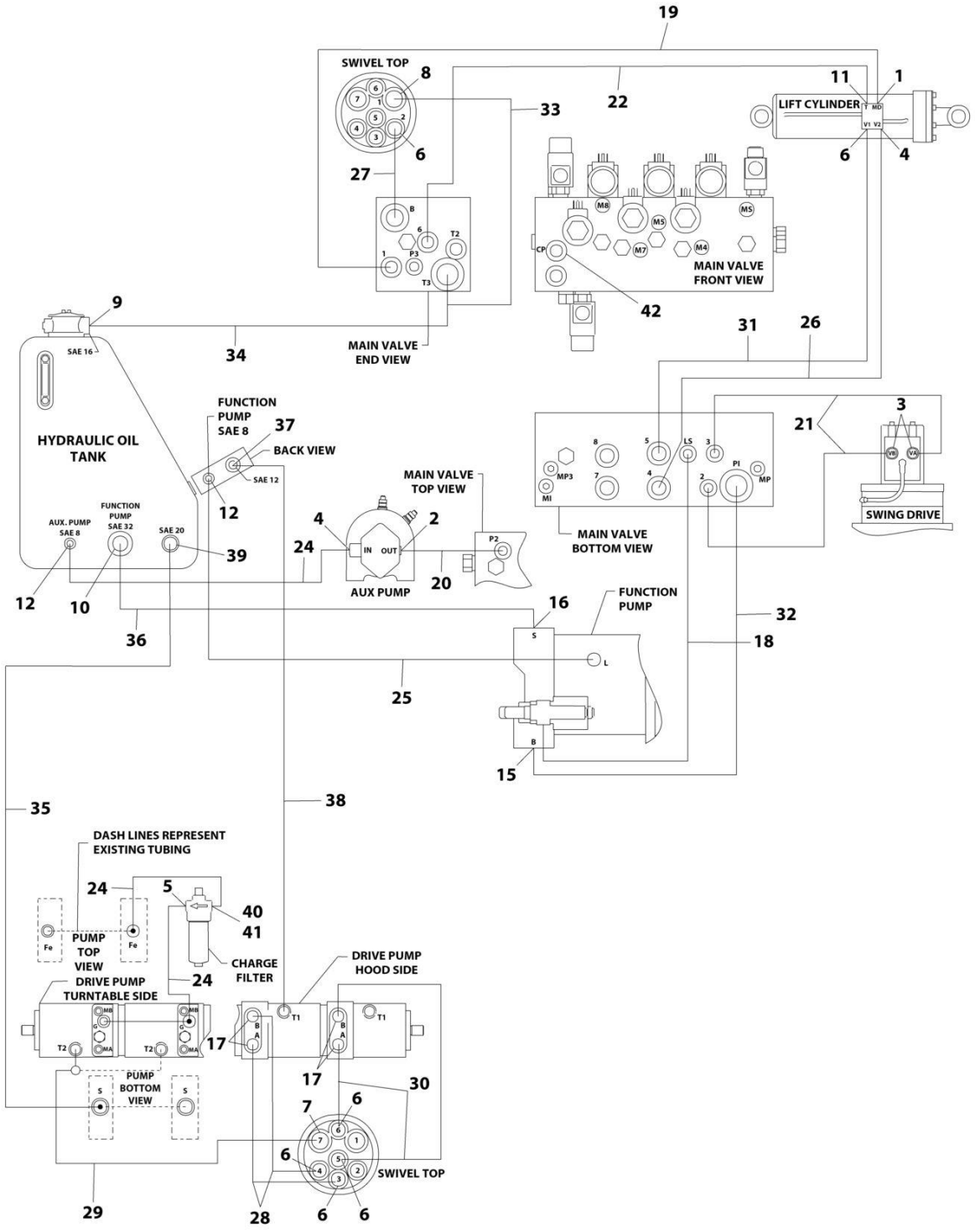


ART_1001120173

FIGURE 7-4. HYDRAULIC DIAGRAM - STEER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC DIAGRAM - STEER	
	1001120168	Ref	Hydraulic Diagram Chart for Deutz TD2011 Engine Machines with Rexroth Pumps	F
	1001152972	Ref	Hydraulic Diagram Chart for Deutz TCD2.9L4 Engine Machines with Rexroth Pumps	B
	1001120169	Ref	Hydraulic Diagram Chart for Deutz TD2011 & Deutz TCD2.9L4 Engine Machines with Sauer Pumps	E
	1001120173	Ref	Hydraulic Diagram - Steer	1
1	2130606	16	Fitting, 90 ORFS/ORB	
2	2753732	2	Hose	
3	2753733	1	Hose	
4	2753728	1	Hose	
5	2753734	1	Hose	
6	2753735	2	Hose	
7	2753736	4	Hose	
8	2753737	1	Hose	
9	2753738	2	Hose	
10	2753739	2	Hose	
11	2753753	1	Hose	
12	2753742	1	Hose	
13	2753754	1	Hose	
14	2753743	1	Hose	

FIGURE 7-5. HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TD2011 ENGINE MACHINES WITH REXROTH PUMPS)



ART_1001120170

FIGURE 7-5. HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TD2011 ENGINE MACHINES WITH REXROTH PUMPS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TD2011 ENGINE MACHINES WITH REXROTH PUMPS)	
	1001120168	Ref	Hydraulic Diagram Chart for Deutz TD2011 Engine Machines with Rexroth Pumps	F
	1001120170	Ref	Hydraulic Diagram - Turntable	C
1	2110404	1	Fitting, Straight ORFS/ORB	
2	2110608	1	Fitting, Straight ORFS/ORB	
3	2110610	2	Fitting, Straight ORFS/ORB	
4	2110810	2	Fitting, Straight ORFS/ORB	
5	2110812	1	Fitting, Straight ORFS/ORB	
6	2111010	6	Fitting, Straight ORFS/ORB	
7	2111012	1	Fitting, Straight ORFS/ORB	
8	2111212	1	Fitting, Straight ORFS/ORB	
9	2111616	1	Fitting, Straight ORFS/ORB	
10	2113232	1	Fitting, Straight ORFS/ORB	
11	2130606	1	Fitting, 90 ORFS/ORB	
12	2130808	2	Fitting, 90 ORFS/ORB	
15	2220478	1	Flange Kit	
16	2220737	1	Flange Kit	
17	2221117	4	Flange Kit	
18	2753622	1	Hose **(SN 0300209000 through 0300217093)**	
18	1001213385	1	Hose **(SN 0300217094 through 0300272505)**	
19	2753718	1	Hose	
20	2753730	1	Hose	
21	2753731	2	Hose	
22	2753734	1	Hose	
24	2753746	3	Hose	
25	2753741	1	Hose	
26	2753744	1	Hose	
27	2753766	1	Hose	
28	2753769	2	Hose	
29	2753708	1	Hose	
30	2753770	2	Hose	
31	2753765	1	Hose	
32	2753771	1	Hose	
33	2753772	1	Hose	
34	2753774	1	Hose	
35	2753775	1	Hose	
36	2753776	1	Hose	
37	2131212	1	Fitting, 90 ORFS/ORB	
38	2753773	1	Hose	
39	2112020	1	Fitting, Straight ORFS/ORB	
40	2221084	1	Fitting, Tee ORFS/ORB/ORFS	
41	2170908	1	Fitting, Cap ORFS	
42	1001119455	1	Valve, Oil Sampling	

FIGURE 7-6. HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TCD2.9L4 ENGINE MACHINES WITH REXROTH PUMPS)

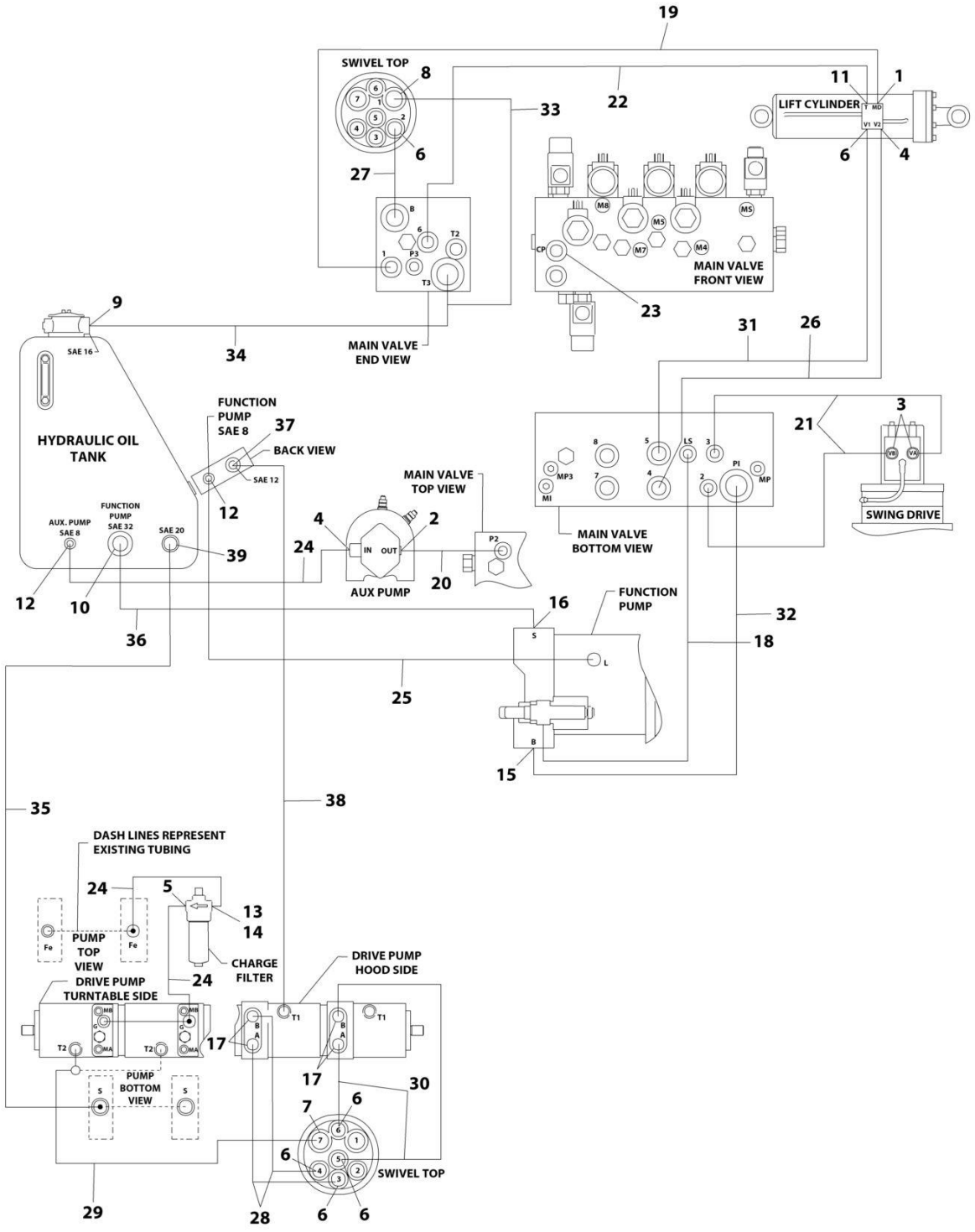


FIGURE 7-6. HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TCD2.9L4 ENGINE MACHINES WITH REXROTH PUMPS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TCD2.9L4 ENGINE MACHINES WITH REXROTH PUMPS)	
	1001152972	Ref	Hydraulic Diagram Chart for Deutz TCD2.9L4 Engine Machines with Rexroth Pumps	B
	1001152969	Ref	Hydraulic Diagram - Turntable	A
1	2110404	1	Fitting, Straight ORFS/ORB	
2	2110608	1	Fitting, Straight ORFS/ORB	
3	2110610	2	Fitting, Straight ORFS/ORB	
4	2110810	2	Fitting, Straight ORFS/ORB	
5	2110812	1	Fitting, Straight ORFS/ORB	
6	2111010	6	Fitting, Straight ORFS/ORB	
7	2111012	1	Fitting, Straight ORFS/ORB	
8	2111212	1	Fitting, Straight ORFS/ORB	
9	2111616	1	Fitting, Straight ORFS/ORB	
10	2113232	1	Fitting, Straight ORFS/ORB	
11	2130606	1	Fitting, 90 ORFS/ORB	
12	2130808	2	Fitting, 90 ORFS/ORB	
13	2221084	1	Fitting, Tee ORFS/ORB/ORFS	
14	2170908	1	Fitting, Cap ORFS	
15	2220478	1	Flange Kit	
16	2220737	1	Flange Kit	
17	2221117	4	Flange Kit	
18	2753622	1	Hose	
19	2753718	1	Hose	
20	2753730	1	Hose	
21	2753731	2	Hose	
22	2753734	1	Hose	
23	1001119455	1	Valve, Oil Sampling	
24	2753746	3	Hose	
25	2753741	1	Hose	
26	2753744	1	Hose	
27	2753766	1	Hose	
28	2753769	2	Hose	
29	2753708	1	Hose	
30	2753770	2	Hose	
31	2753765	1	Hose	
32	2753771	1	Hose	
33	2753772	1	Hose	
34	2753774	1	Hose	
35	1001152966	1	Hose	
36	2753776	1	Hose	
37	2131212	1	Fitting, 90 ORFS/ORB	
38	2753773	1	Hose	
39	2112020	1	Fitting, Straight ORFS/ORB	

FIGURE 7-7. HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINE MACHINES WITH SAUER PUMPS)

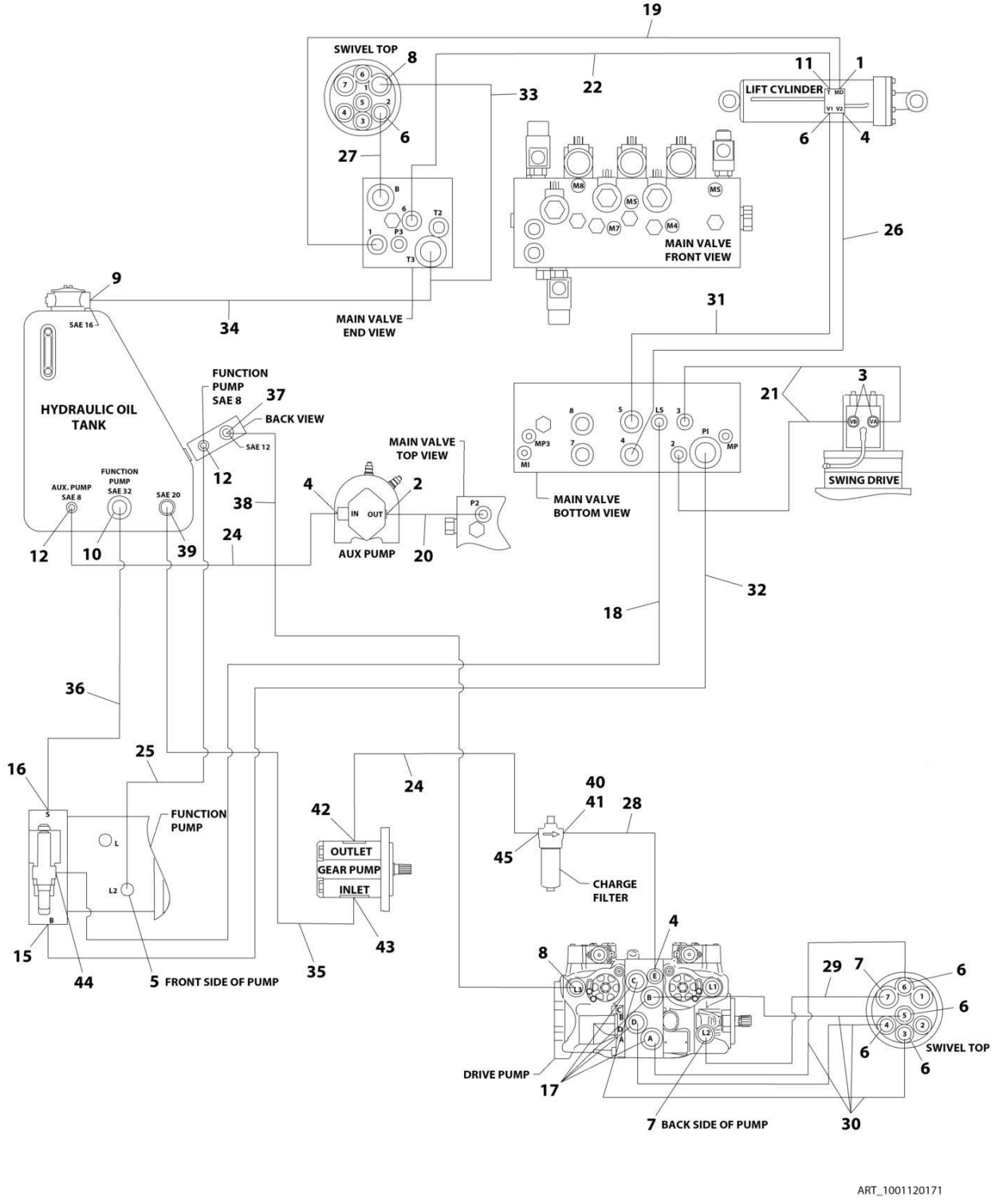


FIGURE 7-7. HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINE MACHINES WITH SAUER PUMPS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINE MACHINES WITH SAUER PUMPS)	
	1001120169	Ref	Hydraulic Diagram Chart for Deutz TD2011 and Deutz TCD2.9L4 Engine Machines with Sauer Pumps	E
	1001120171	Ref	Hydraulic Diagram - Turntable	E
1	2110404	1	Fitting, Straight ORFS/ORB	
2	2110608	1	Fitting, Straight ORFS/ORB	
3	2110610	2	Fitting, Straight ORFS/ORB	
4	2110810	3	Fitting, Straight ORFS/ORB	
5	2130810	1	Fitting, 90 ORFS/ORB	
6	2111010	6	Fitting, Straight ORFS/ORB	
7	2111012	2	Fitting, Straight ORFS/ORB	
8	2111212	1	Fitting, Straight ORFS/ORB	
9	2111616	1	Fitting, Straight ORFS/ORB	
10	2113232	1	Fitting, Straight ORFS/ORB	
11	2130606	1	Fitting, 90 ORFS/ORB	
12	2130808	AR	Fitting, 90 ORFS/ORB	
15	2220478	1	Flange Kit	
16	1001110604	1	Flange Kit	
17	2111016	4	Fitting, Straight ORFS/ORB	
18	1001118932	1	Hose **(SN 0300209000 through 0300217093)**	
18	1001213385	1	Hose **(SN 0300217094 through 0300272505)**	
19	2753718	1	Hose	
20	2753730	1	Hose	
21	2753731	2	Hose	
22	2753734	1	Hose	
24	2753746	2	Hose	
25	1001118934	1	Hose	
26	2753744	1	Hose	
27	2753766	1	Hose	
28	1001118933	1	Hose	
29	2753708	1	Hose	
30	1001109468	4	Hose	
31	2753765	1	Hose	
32	2753771	1	Hose	
33	2753772	1	Hose	
34	2753774	1	Hose	
35	1001119817	1	Hose	
36	1001118935	1	Hose	
37	2131612	1	Fitting, 90 ORFS/ORB	
38	1001119138	1	Hose	
39	2112020	1	Fitting, Straight ORFS/ORB	
40	2221084	1	Fitting, Tee ORFS/ORFS/ORB	
41	2170908	1	Fitting, Cap ORFS	
42	2110812	1	Fitting, Straight ORFS/ORB	
43	2112016	1	Fitting, Straight ORFS/ORB	
44	2130404	1	Fitting, 90 ORFS/ORB	
45	2130812	1	Fitting, 90 ORFS/ORB	

FIGURE 7-8. HYDRAULIC DIAGRAM LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC DIAGRAM - BOOM	
	1001120168	Ref	Hydraulic Diagram Chart for Deutz TD2011 Engine Machines with Rexroth Pumps	
	1001152972	Ref	Hydraulic Diagram Chart for Deutz TCD2.9L4 Engine Machines with Rexroth Pumps	
	1001120169	Ref	Hydraulic Diagram Chart for Deutz TD2011 and Deutz TCD2.9L4 Engine Machines with Sauer Pumps	
	1001120175	Ref	Hydraulic Diagram - Main Boom and Jib	
		Ref	HYDRAULIC DIAGRAM - DRIVE	
	1001120168	Ref	Hydraulic Diagram Chart for Deutz TD2011 Engine Machines with Rexroth Pumps	
	1001152972	Ref	Hydraulic Diagram Chart for Deutz TCD2.9L4 Engine Machines with Rexroth Pumps	
	1001120169	Ref	Hydraulic Diagram Chart for Deutz TD2011 and Deutz TCD2.9L4 Engine Machines with Sauer Pumps	
	1001120172	Ref	Hydraulic Diagram - Drive	
		Ref	HYDRAULIC DIAGRAM - OSCILLATING AXLE	
	1001120168	Ref	Hydraulic Diagram Chart for Deutz TD2011 Engine Machines with Rexroth Pumps	
	1001152972	Ref	Hydraulic Diagram Chart for Deutz TCD2.9L4 Engine Machines with Rexroth Pumps	
	1001120169	Ref	Hydraulic Diagram Chart for Deutz TD2011 and Deutz TCD2.9L4 Engine Machines with Sauer Pumps	
	1001120174	Ref	Hydraulic Diagram - Oscillating Axle	
		Ref	HYDRAULIC DIAGRAM - STEER	
	1001120168	Ref	Hydraulic Diagram Chart for Deutz TD2011 Engine Machines with Rexroth Pumps	
	1001152972	Ref	Hydraulic Diagram Chart for Deutz TCD2.9L4 Engine Machines with Rexroth Pumps	
	1001120169	Ref	Hydraulic Diagram Chart for Deutz TD2011 and Deutz TCD2.9L4 Engine Machines with Sauer Pumps	
	1001120173	Ref	Hydraulic Diagram - Steer	
		Ref	HYDRAULIC DIAGRAMS - TURNTABLE (DEUTZ TD2011 ENGINE MACHINES WITH REXROTH PUMPS)	
	1001120168	Ref	Hydraulic Diagram Chart for Deutz TD2011 Engine Machines with Rexroth Pumps	
	1001120170	Ref	Hydraulic Diagram - Turntable	
		Ref	HYDRAULIC DIAGRAMS - TURNTABLE (DEUTZ TCD2.9L4 ENGINE MACHINES WITH REXROTH PUMPS)	
	1001152972	Ref	Hydraulic Diagram Chart for Deutz TCD2.9L4 Engine Machines with Rexroth Pumps	
	1001152969	Ref	Hydraulic Diagram - Turntable	
		Ref	HYDRAULIC DIAGRAMS - TURNTABLE (DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINE MACHINES WITH SAUER PUMPS)	
	1001120169	Ref	Hydraulic Diagram Chart for Deutz TD2011 and Deutz TCD2.9L4 Engine Machines with Sauer Pumps	
	1001120171	Ref	Hydraulic Diagram - Turntable	
		Ref	Hydraulic Schematic - Oil Cooler Options (Not Shown):	
	0272080	Ref	Deutz TD2011 Engine Machines with Rexroth Pumps	
	1001139494	Ref	Deutz TCD2.9L4 Engine and Deutz TCD2.9L4 (Stage V) Engine Machines with Rexroth Pumps	
	1001221802	Ref	Deutz TCD2.9L4 Engine Machines with Rexroth Pumps (China Spec Only)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118957	Ref	Deutz TD2011 Engine Machines with Sauer Pumps	
	1001139492	Ref	Deutz TCD2.9L4 Engine and Deutz TCD2.9L4 (Stage V) Engine Machines with Sauer Pumps	
	1001221666	Ref	Deutz TCD2.9L4 Engine Machines with Sauer Pumps (China Spec Only)	
	1001120628	Ref	Hydraulic Schematic - Standard (Not Shown - See Service Manual)	

SECTION 8 - ELECTRICAL

FIGURE 8-1. AC BOX AT PLATFORM - 110V (ANSI SPECS)

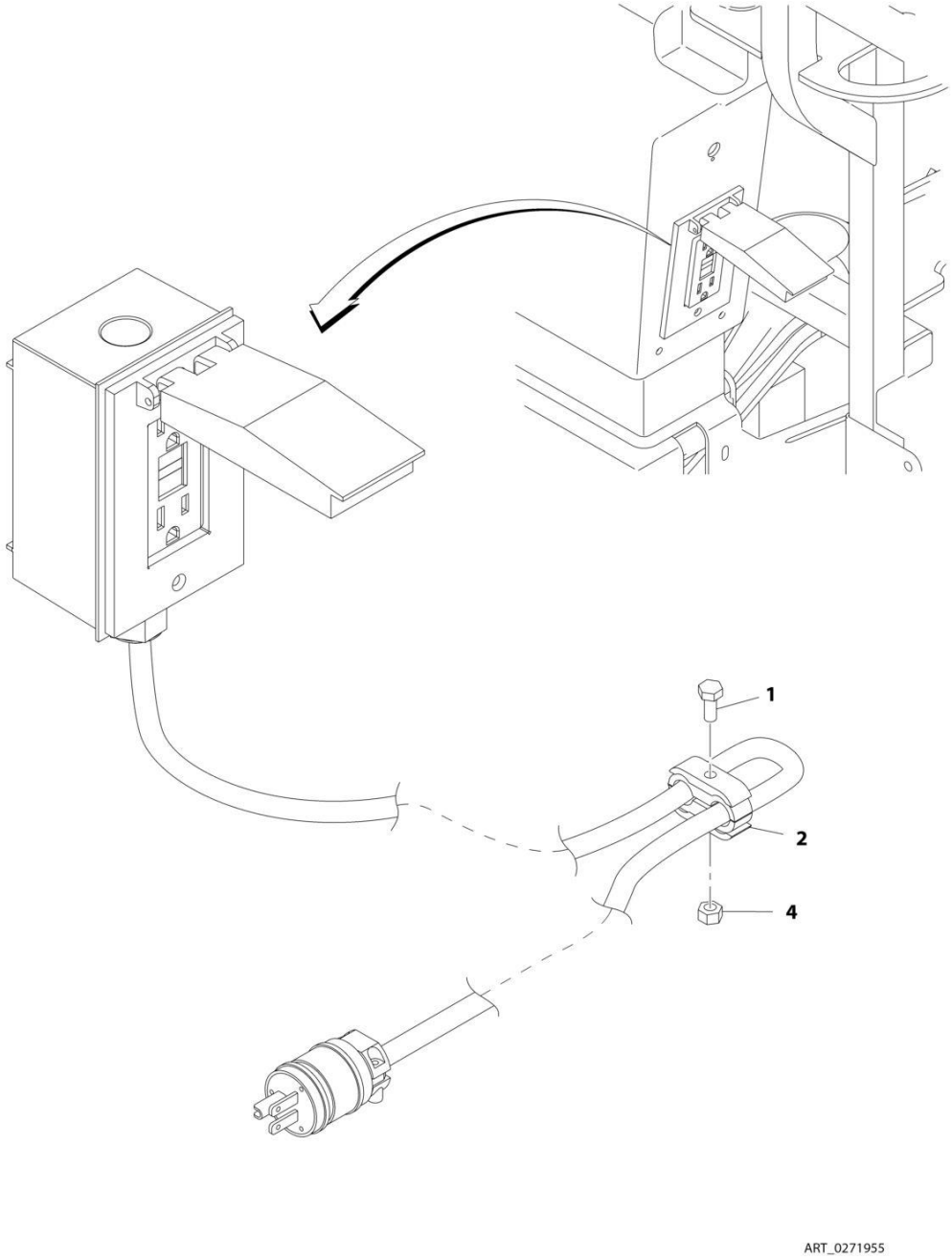


FIGURE 8-1. AC BOX AT PLATFORM - 110V (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271955	Ref	AC BOX AT PLATFORM - 110V (ANSI SPECS)	C
1	0641416	1	Bolt 1/4 x 2	
2	1320146	1	Clamp	
4	3311405	1	Nut 1/4	

FIGURE 8-2. AC BOX AT PLATFORM - 110V GFI RECEPTACLE (ANSI SPECS)

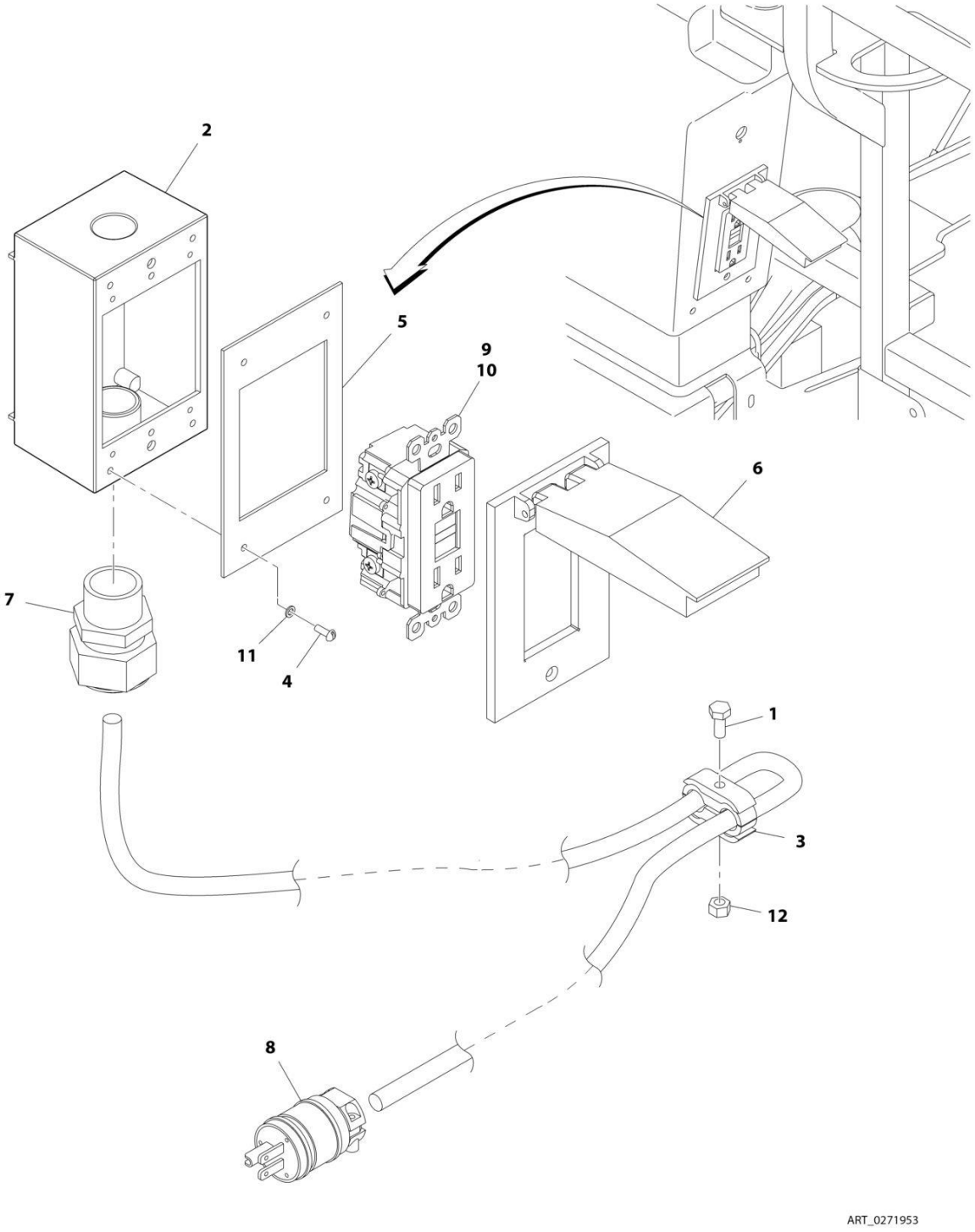


FIGURE 8-2. AC BOX AT PLATFORM - 110V GFI RECEPTACLE (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271953	Ref	AC BOX AT PLATFORM - 110V GFI RECEPTACLE (ANSI SPECS)	D
1	0641416	1	Bolt 1/4 x 2	
2	0860038	1	Box, Switch	
3	1320146	1	Clamp	
4	3910606	4	Screw #6 x 3/8	
5	3960422	1	Gasket, AC Receptacle	
6	1001110873	1	Shield, Receptacle Cover	
7	4460051	1	Connector, Strain Relief	
8	4460205	1	Plug, Male	
9	4460315	1	Terminal, Spade	
10	4460346	1	Terminal, Receptacle	
11	4760600	4	Washer #6	
12	3311405	1	Nut 1/4	

FIGURE 8-3. AC BOX AT PLATFORM - 220V GFI RECEPTACLE (ANSI SPECS)

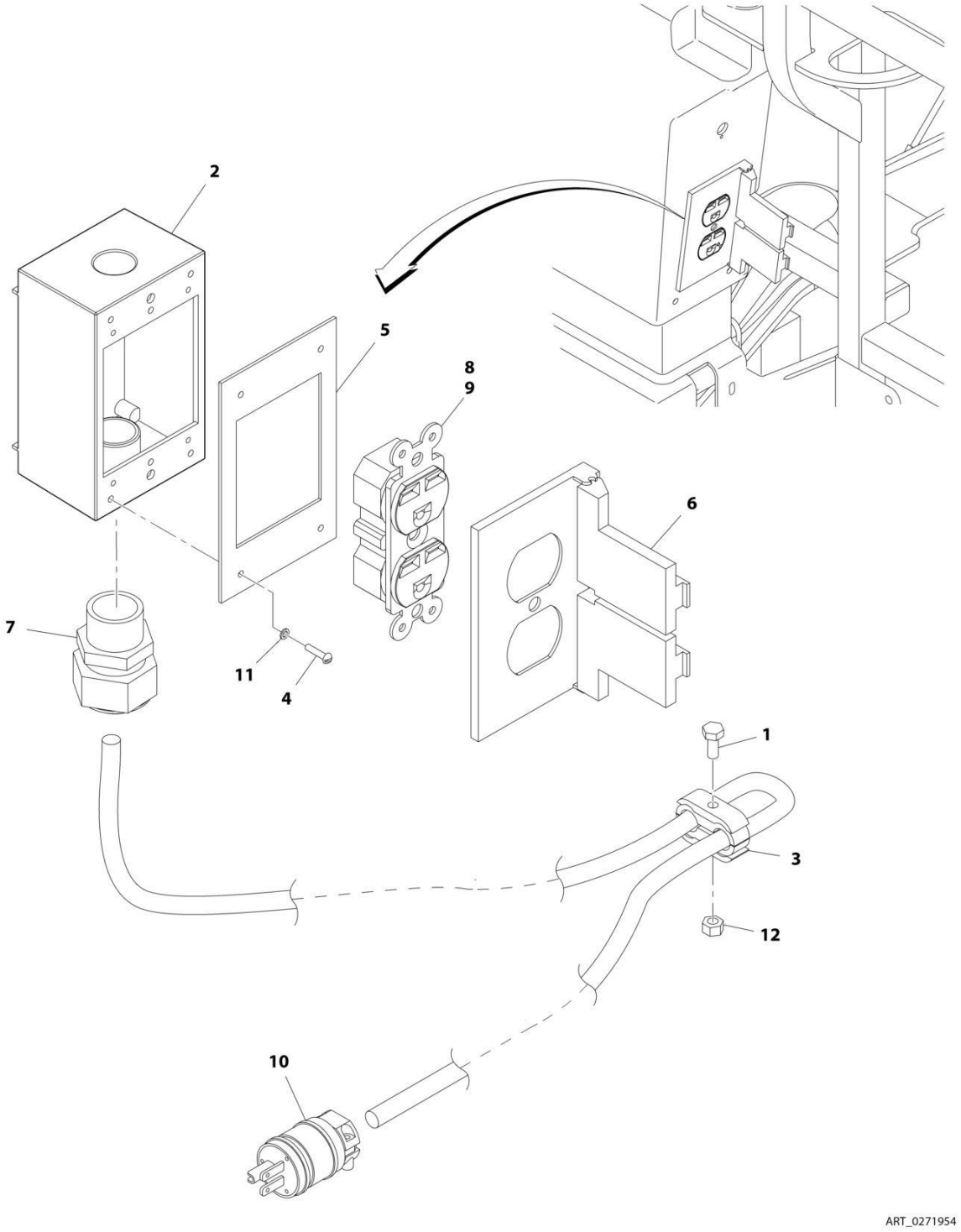


FIGURE 8-3. AC BOX AT PLATFORM - 220V GFI RECEPTACLE (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271954	Ref	AC BOX AT PLATFORM - 220V GFI RECEPTACLE (ANSI SPECS)	C
1	0641416	1	Bolt 1/4 x 2	
2	0860038	1	Box, Switch	
3	1320146	1	Clamp	
4	3910606	4	Screw #6 x 3/8	
5	3960422	1	Gasket, AC Receptacle	
6	4060092	1	Shield, Receptacle Cover	
7	4460051	1	Connector, Strain Relief	
8	4460125	1	Terminal, Receptacle	
9	4460315	1	Terminal, Spade	
10	4460709	1	Plug, Male	
11	4760600	4	Washer #6	
12	3311405	1	Nut 1/4	

FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) WITH 4000W GENERATOR (ANSI EXPORT SPECS) (SN 0300209000 through 0300214023)

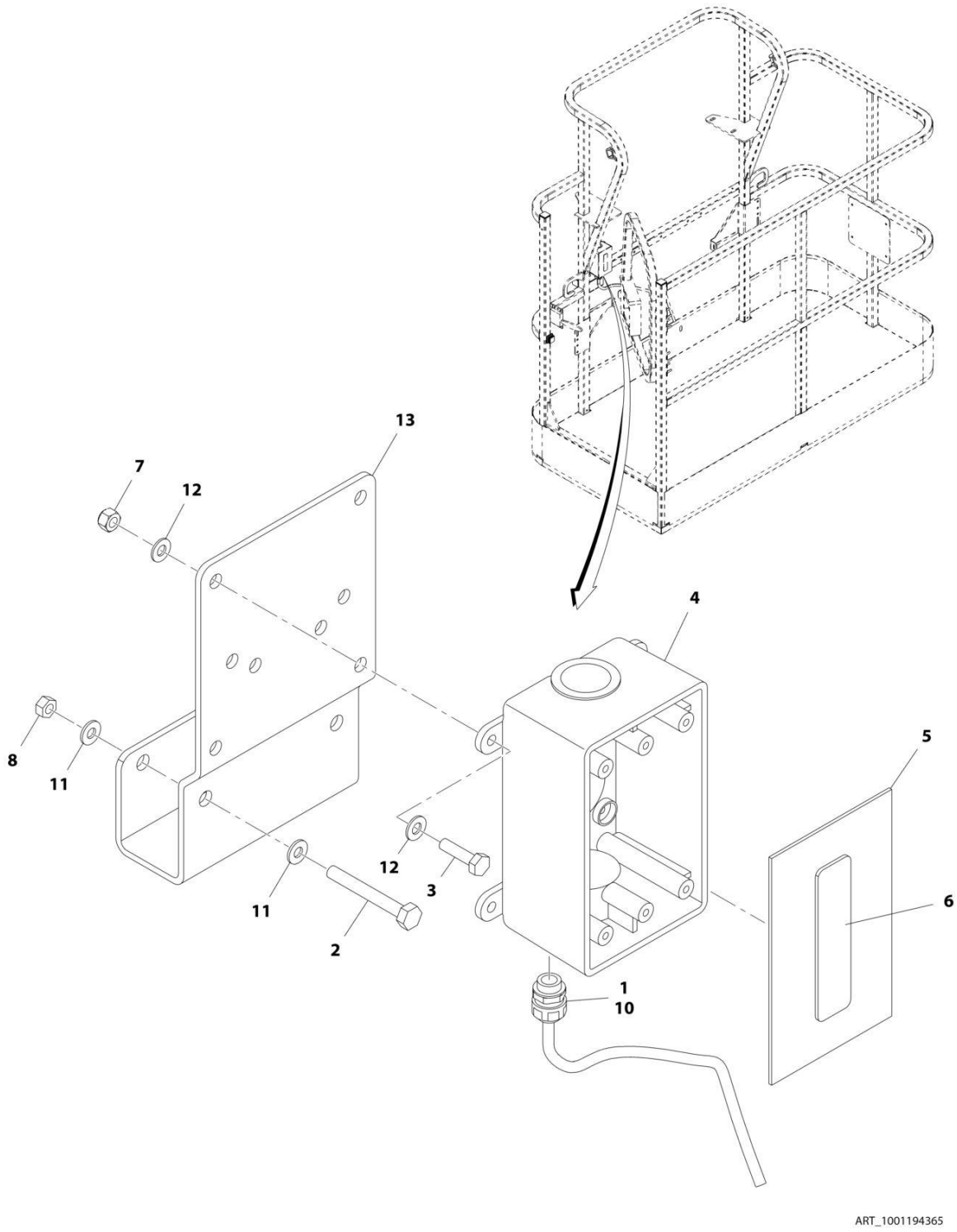


FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) WITH 4000W GENERATOR (ANSI EXPORT SPECS) (SN 0300209000 through 0300214023)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194365	Ref	AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) WITH 4000W GENERATOR (ANSI EXPORT SPECS) **(SN 0300209000 through 0300214023)**	A
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	1670603	1	Cover	
6	3251242	1	Decal - 240V-50Hz	
7	3290405	4	Nut M4	
8	3311405	2	Nut 1/4	
9	4460384	3	Terminal (Not Shown)	
10	4460662	1	Connector, Strain Relief	
11	4711400	4	Washer 1/4	
12	4811400	8	Washer M4	
13	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) WITH 4000W GENERATOR (ANSI EXPORT SPECS) (SN 0300214024 through 0300272505)

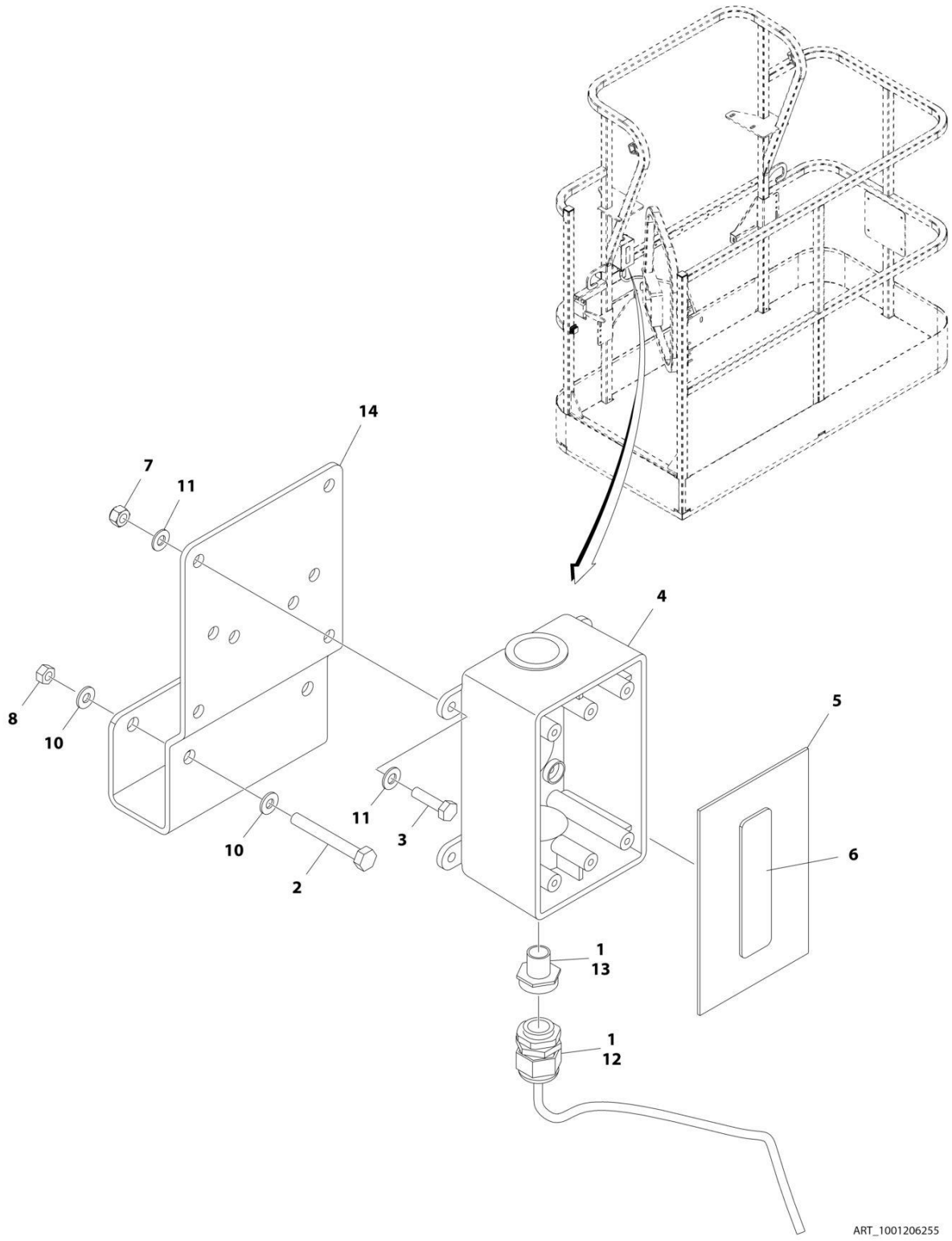


FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) WITH 4000W GENERATOR (ANSI EXPORT SPECS) (SN 0300214024 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206255	Ref	AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) WITH 4000W GENERATOR (ANSI EXPORT SPECS)	A
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	1670603	1	Cover	
6	3251242	1	Decal - 240V-50Hz	
7	3290405	4	Nut M4	
8	3311405	2	Nut 1/4	
9	4460384	3	Terminal (Not Shown)	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001101191	1	Connector, Strain Relief	
13	1001101197	1	Connector, Adapter	
14	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 2500W GENERATOR (CE SPECS)

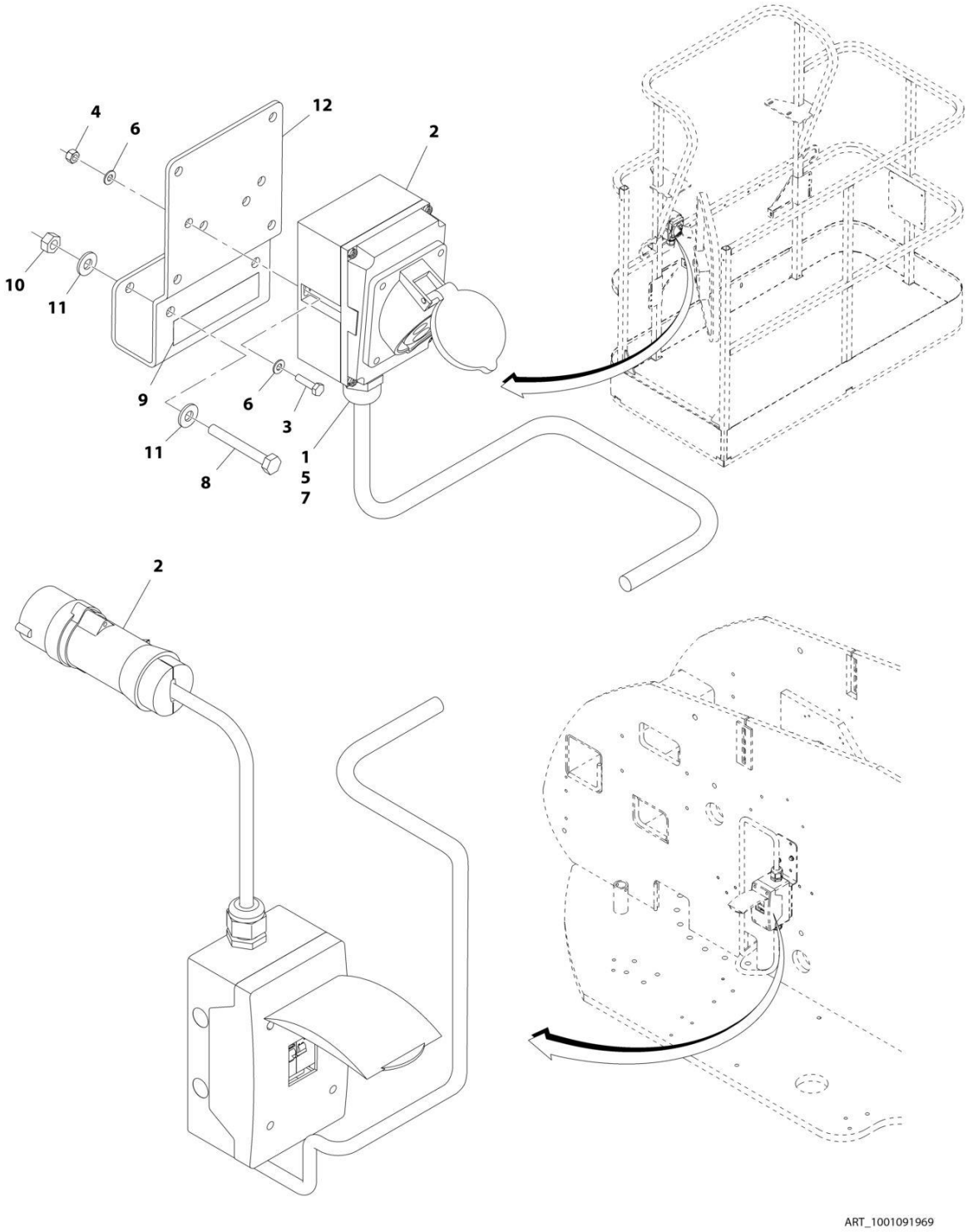


FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 2500W GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091969	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 2500W GENERATOR (CE SPECS)	C
1	0100020	AR	Sealant, Pipe	
2	0275216	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 110V IEC YELLOW WITHOUT 2500W GENERATOR (CE SPECS) for Breakdown)	
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	1	Decal - 110V	
10	3311405	2	Nut 1/4	
11	4711400	4	Washer 1/4	
12	1001193018	1	Bracket	

FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 4000W GENERATOR (CE SPECS) (SN 0300209000 through 0300214023)

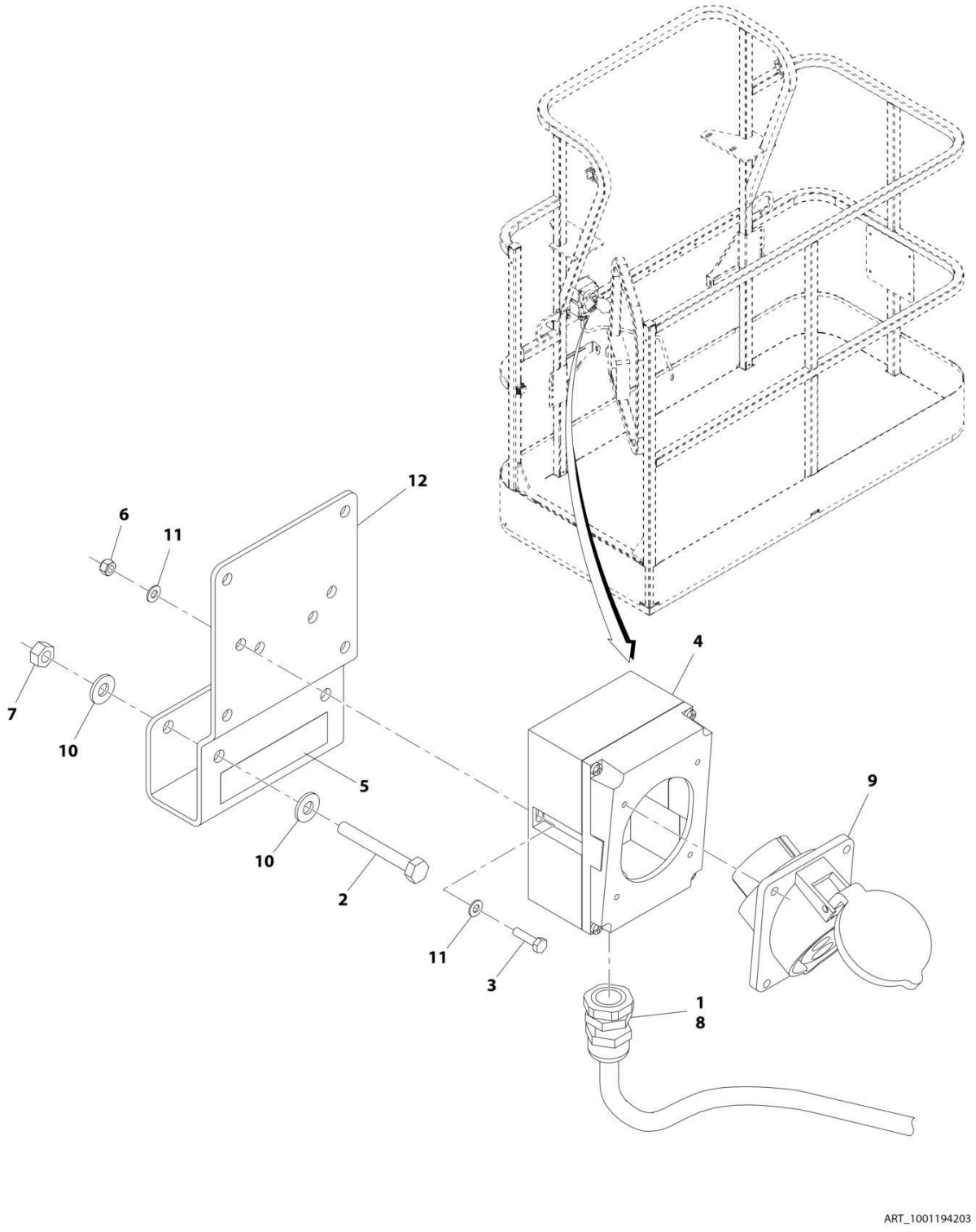


FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 4000W GENERATOR (CE SPECS) (SN 0300209000 through 0300214023)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194203	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 4000W GENERATOR (CE SPECS) **(SN 0300209000 through 0300214023)**	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	2	Bolt M4 x 16	
4	0861781	1	Box, Switch	
5	1705325	1	Decal - 110V	
6	3290405	2	Nut M4	
7	3311405	2	Nut 1/4	
8	4460968	1	Connector, Strain Relief	
9	4461198	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	4	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 4000W GENERATOR (CE SPECS) (SN 0300214024 through 0300272505)

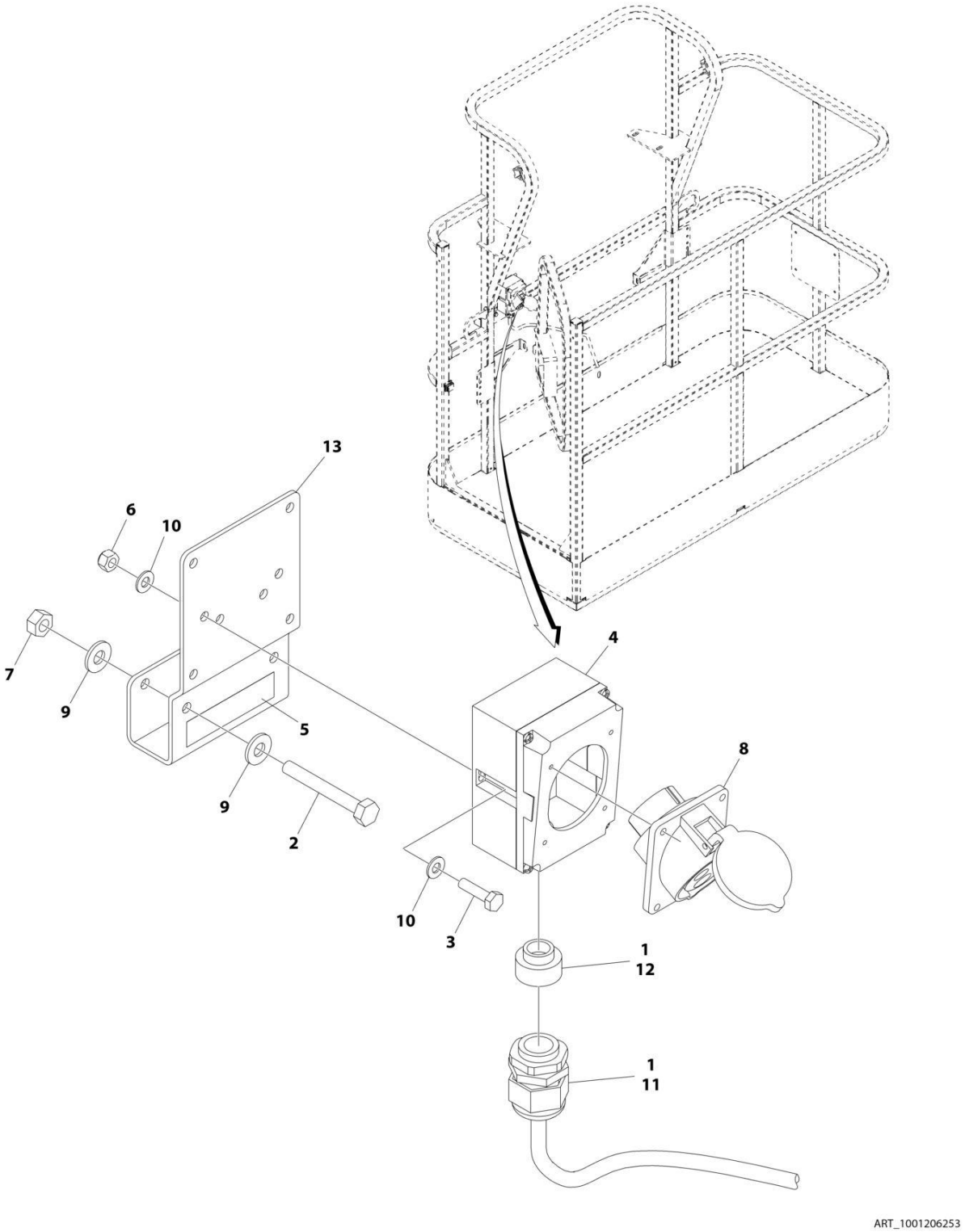


FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 4000W GENERATOR (CE SPECS) (SN 0300214024 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206253	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 4000W GENERATOR (CE SPECS)	A
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	2	Bolt M4 x 16	
4	0861781	1	Box, Switch	
5	1705325	1	Decal - 110V	
6	3290405	2	Nut M4	
7	3311405	2	Nut 1/4	
8	4461198	1	Receptacle	
9	4711400	4	Washer 1/4	
10	4811400	4	Washer M4	
11	1001101191	1	Connector, Strain Relief	
12	1001101196	1	Connector, Adapter	
13	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITHOUT 2500W GENERATOR (CE SPECS)

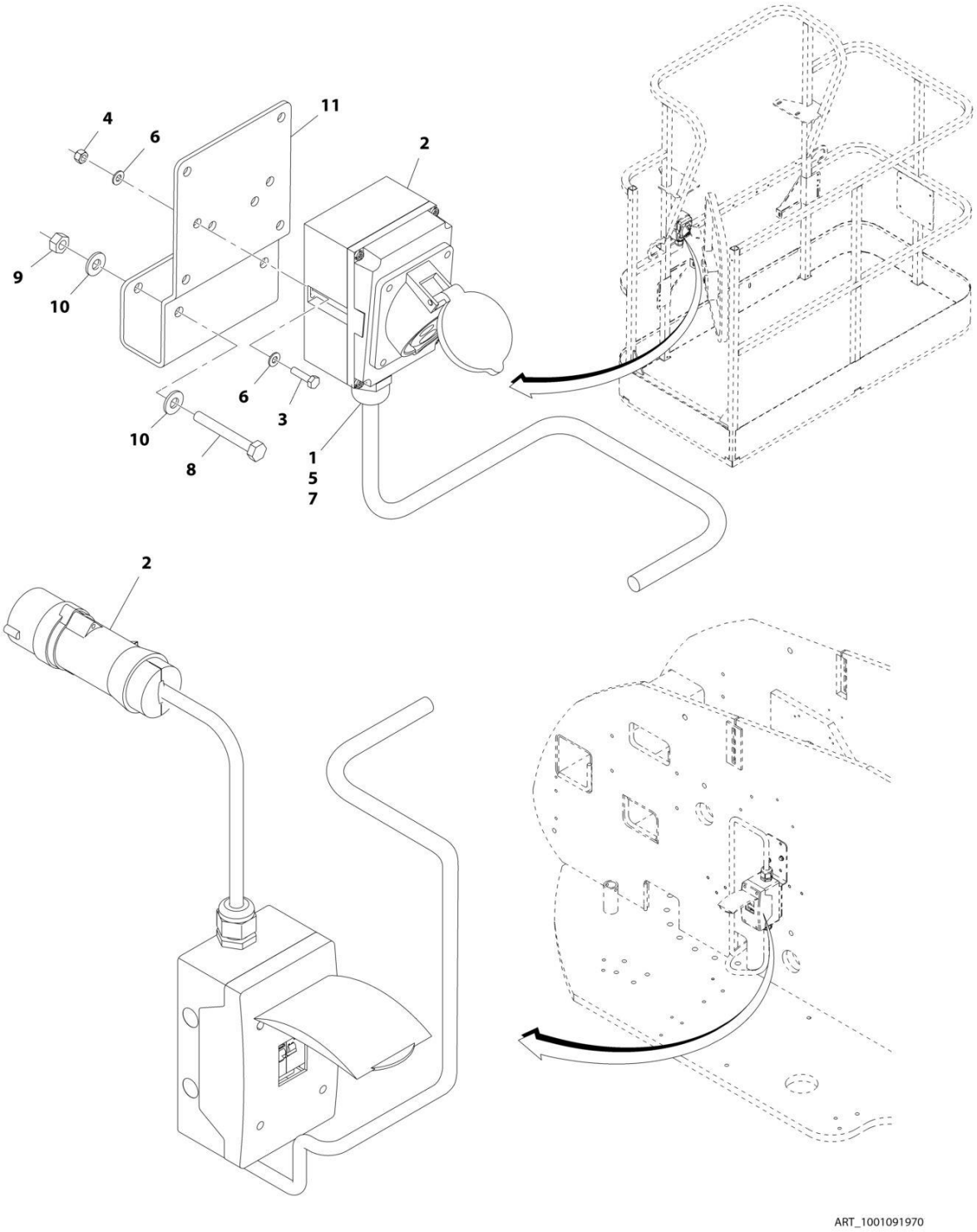


FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITHOUT 2500W GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091970	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITHOUT 2500W GENERATOR (CE SPECS)	C
1	0100020	AR	Sealant, Pipe	
2	0275217	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 220V IEC BLUE WITHOUT 2500W GENERATOR (CE SPECS) for Breakdown)	
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	

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 4000W GENERATOR (CE SPECS) (SN 0300209000 through 0300214023)

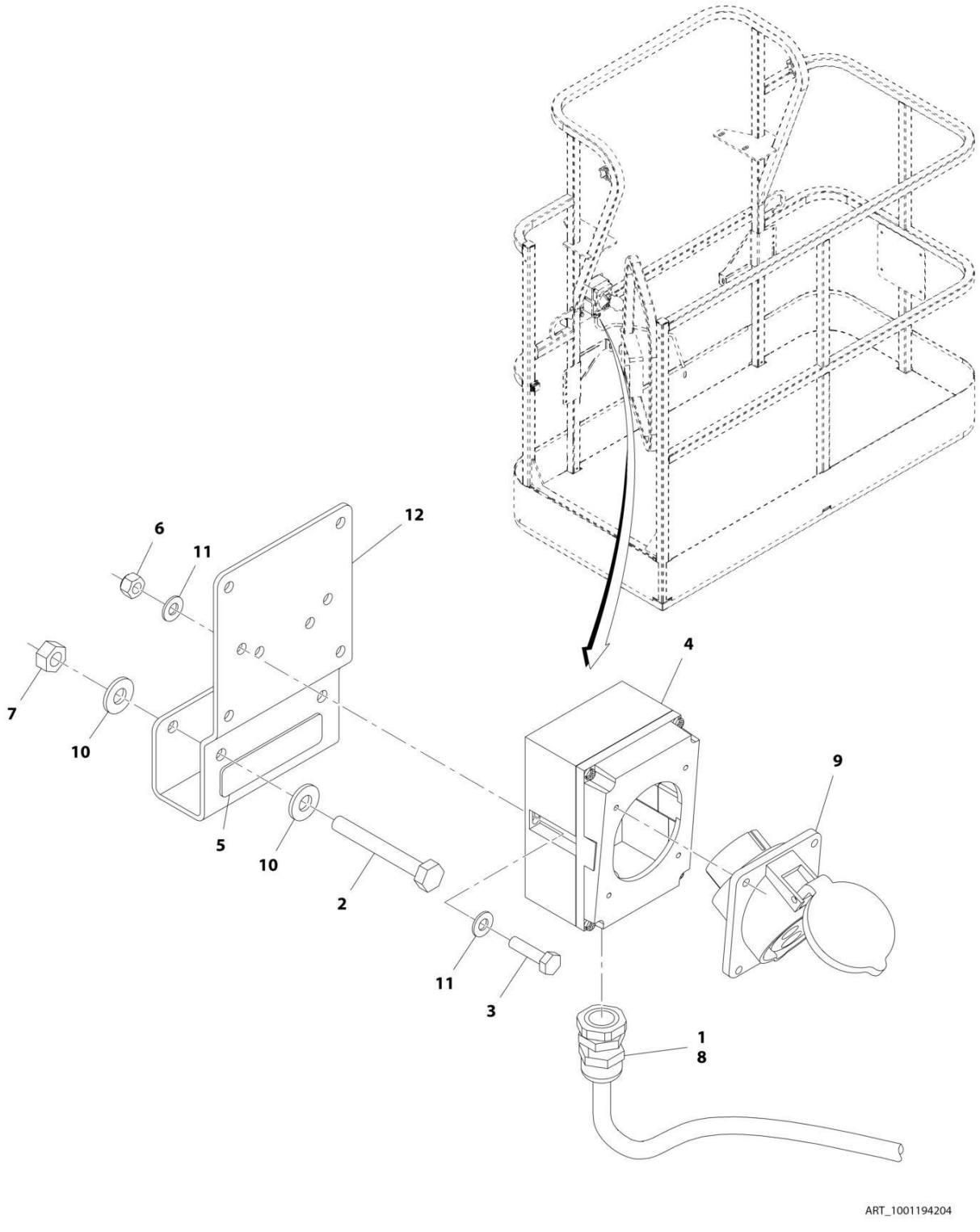


FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 4000W GENERATOR (CE SPECS) (SN 0300209000 through 0300214023)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194204	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 4000W GENERATOR (CE SPECS) **(SN 0300209000 through 0300214023)**	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	2	Bolt M4 x 16	
4	0861781	1	Box, Switch	
5	3251242	1	Decal - 240V-50Hz	
6	3290405	2	Nut M4	
7	3311405	2	Nut 1/4	
8	4460968	1	Connector, Strain Relief	
9	4461201	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	4	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 4000W GENERATOR (CE SPECS) (SN 0300214024 through 0300272505)

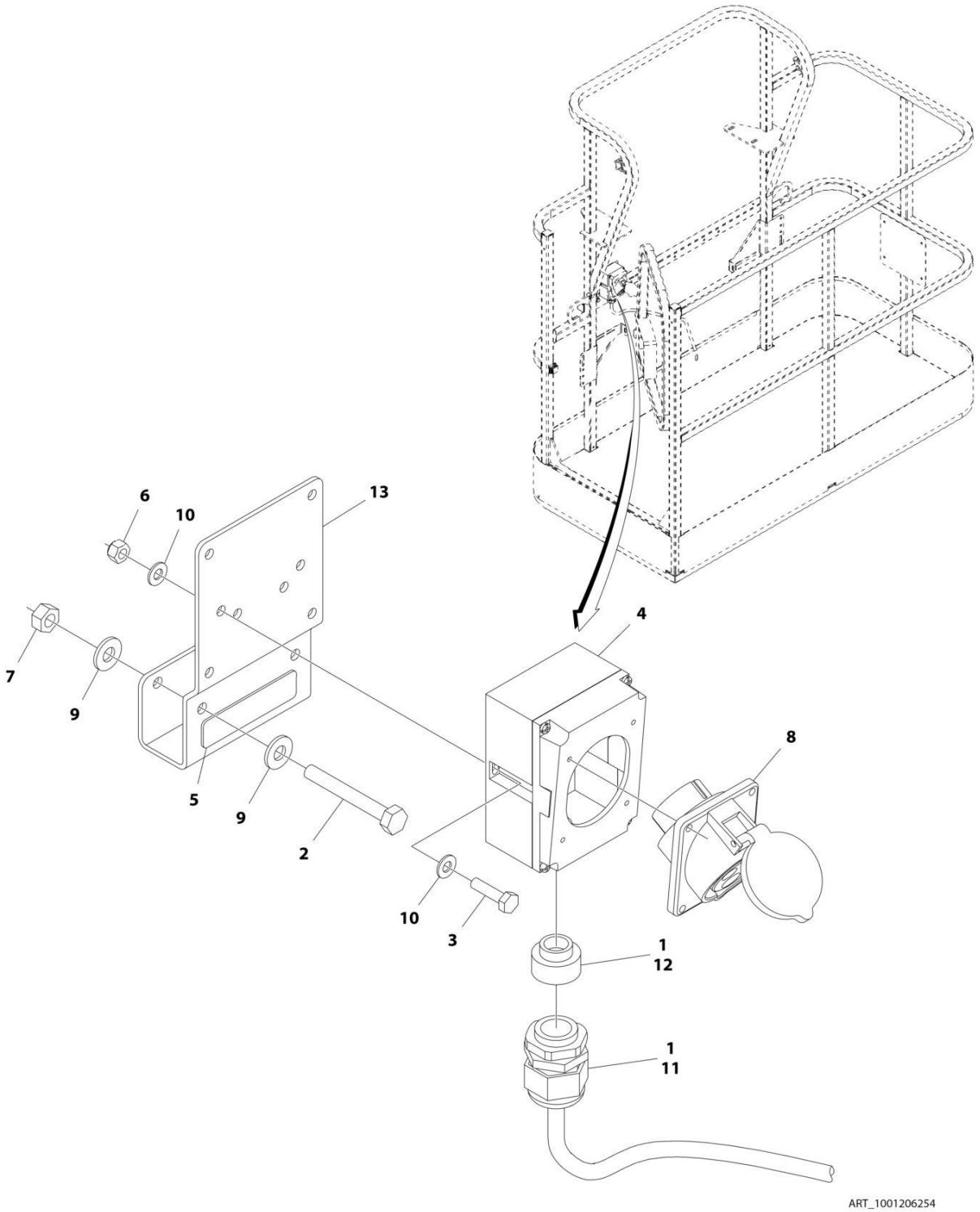


FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 4000W GENERATOR (CE SPECS) (SN 0300214024 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206254	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 4000W GENERATOR (CE SPECS)	A
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	2	Bolt M4 x 16	
4	0861781	1	Box, Switch	
5	3251242	1	Decal - 240V-50Hz	
6	3290405	2	Nut M4	
7	3311405	2	Nut 1/4	
8	4461201	1	Receptacle	
9	4711400	4	Washer 1/4	
10	4811400	4	Washer M4	
11	1001101191	1	Connector, Strain Relief	
12	1001101196	1	Connector, Adapter	
13	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE SPECS)

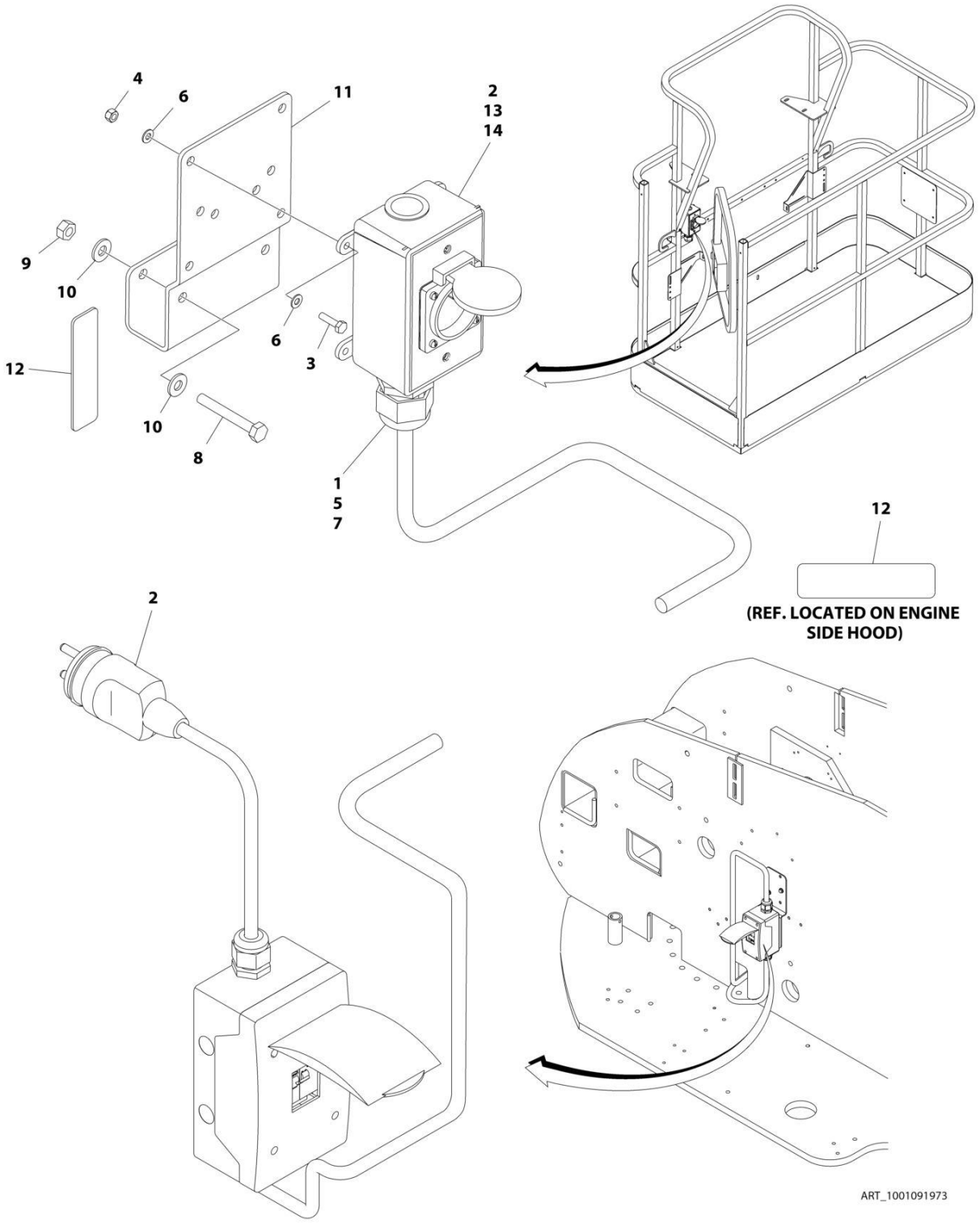


FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091973	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE SPECS)	F
1	0100020	AR	Sealant, Pipe	
2	0275452	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 220V CEE7 POST GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS) for Breakdown)	
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 **(SN 0300240303 through 0300272505)**	
13	4460806	2	Terminal, Fork	
14	1001205958	1	Terminal	

FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300209000 through 0300214023)

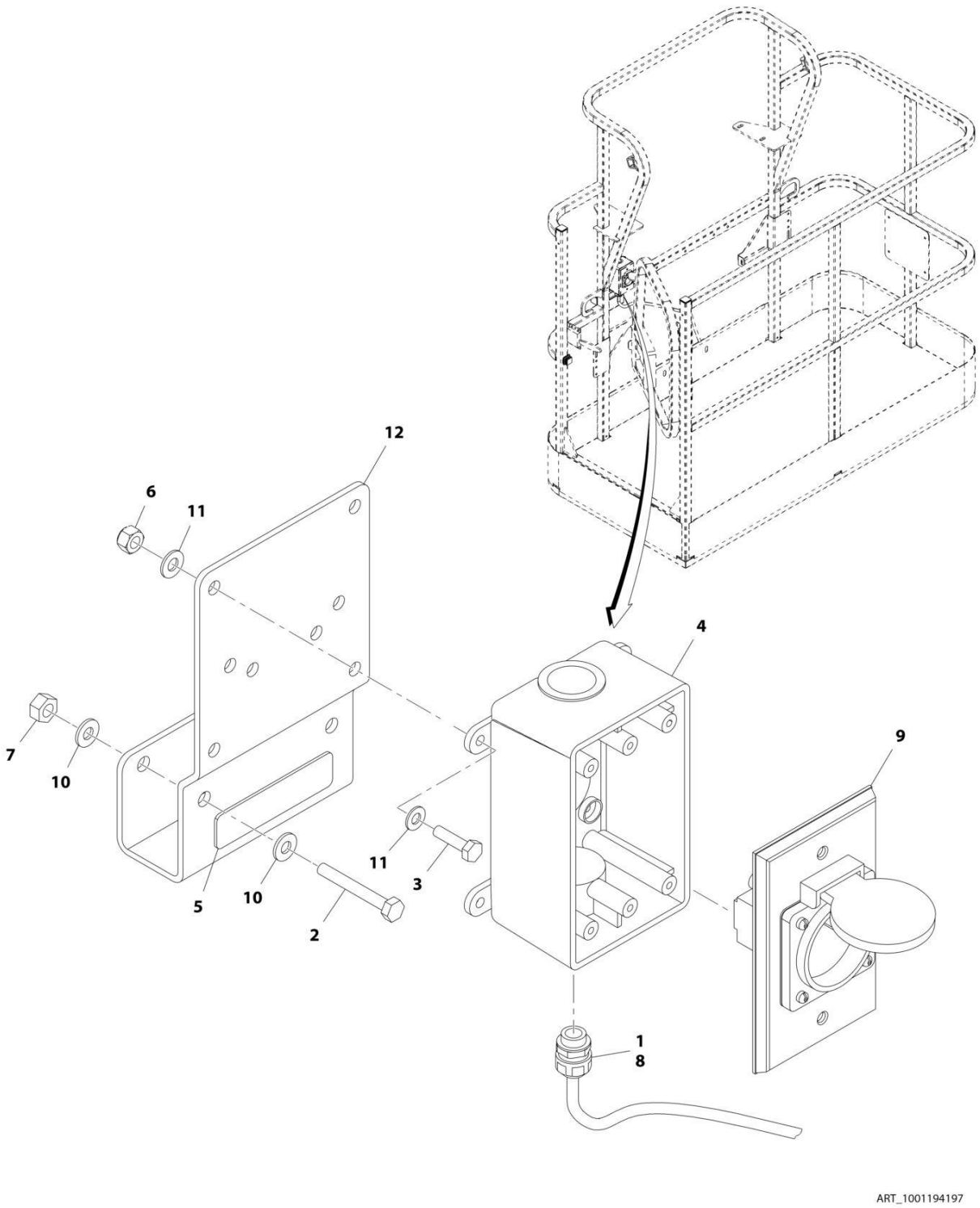


FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300209000 through 0300214023)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194197	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) **(SN 0300209000 through 0300214023)**	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	3251242	1	Decal - 240V-50Hz	
6	3290405	4	Nut M4	
7	3311405	2	Nut 1/4	
8	4460662	1	Connector, Strain Relief	
9	4461244	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	
13	4460806	2	Terminal, Fork (Not Shown)	
14	1001205958	1	Terminal (Not Shown)	

FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300214024 through 0300272505)

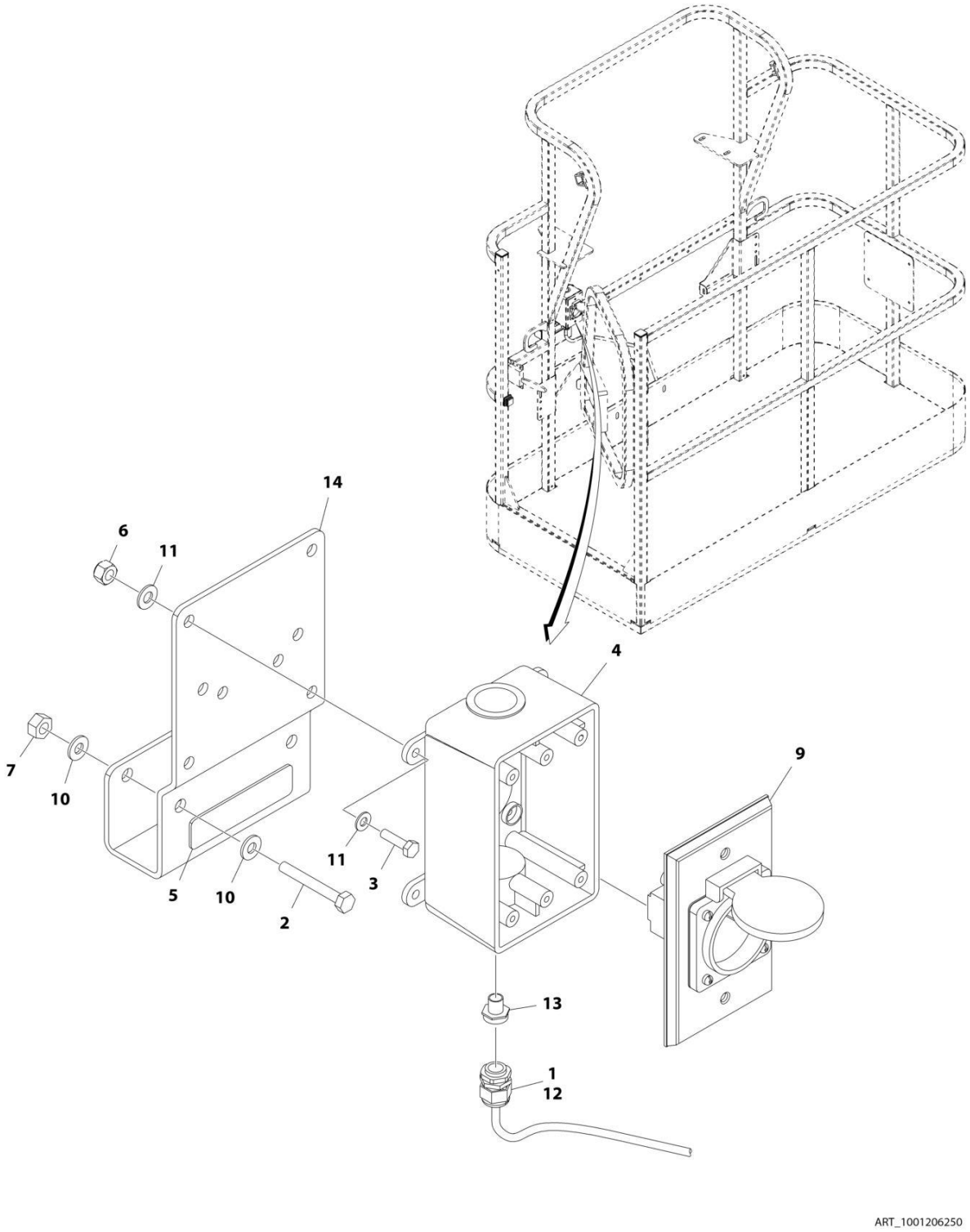


FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300214024 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206250	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS)	A
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	3251242	1	Decal - 240V-50Hz	
6	3290405	4	Nut M4	
7	3311405	2	Nut 1/4	
8	4460806	2	Terminal, Fork (Not Shown)	
9	4461244	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001101191	1	Connector, Strain Relief	
13	1001101197	1	Connector, Adapter	
14	1001193018	1	Bracket, AC Receptacle	
15	1001205958	1	Terminal (Not Shown)	

FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE SPECS)

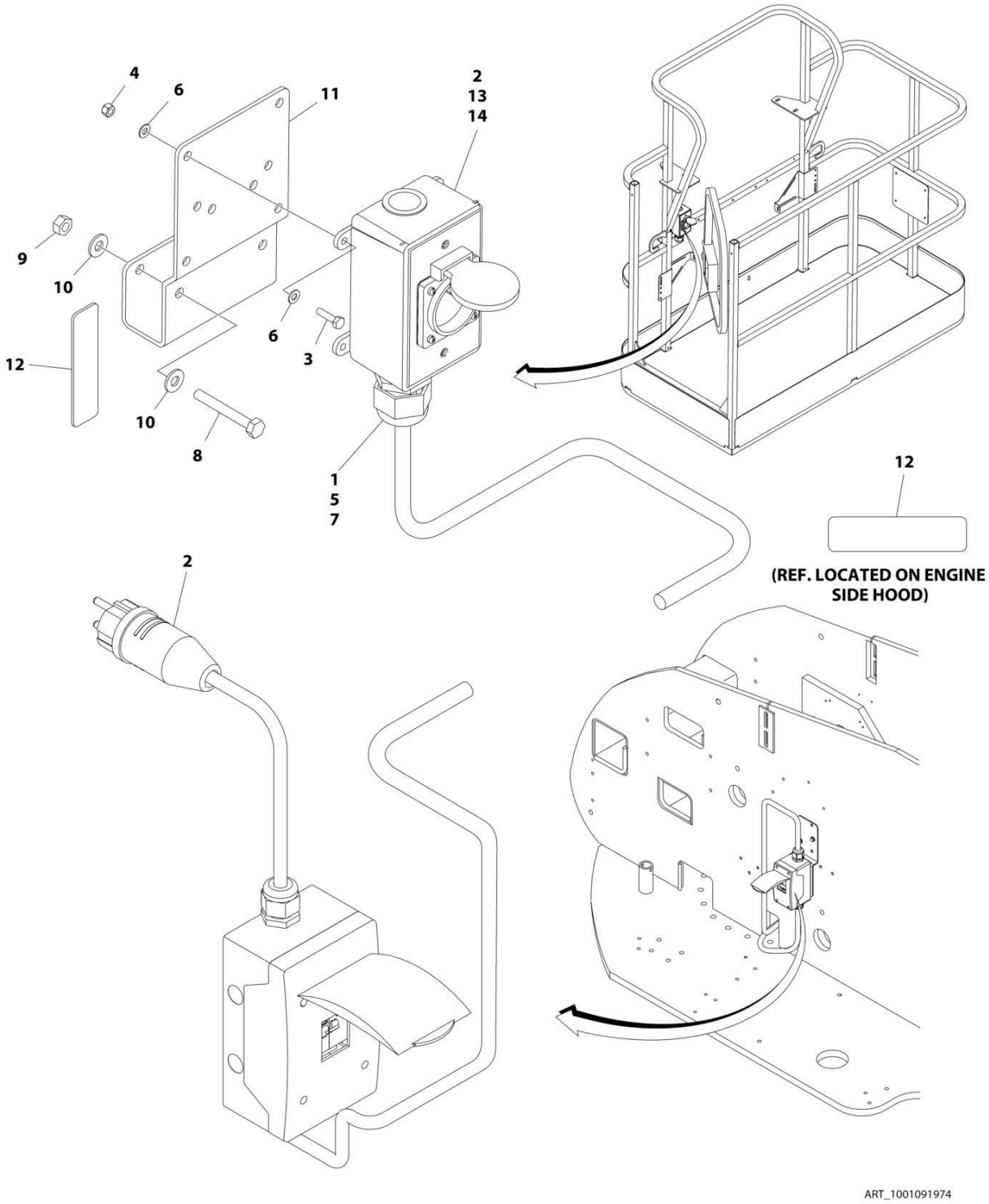


FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091974	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE SPECS)	F
1	0100020	AR	Sealant, Pipe	
2	0275453	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS) for Breakdown)	
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 **(SN 0300240303 through 0300272505)**	
13	4460806	2	Terminal, Fork	
14	1001205958	1	Terminal	

FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300209000 through 0300214023)

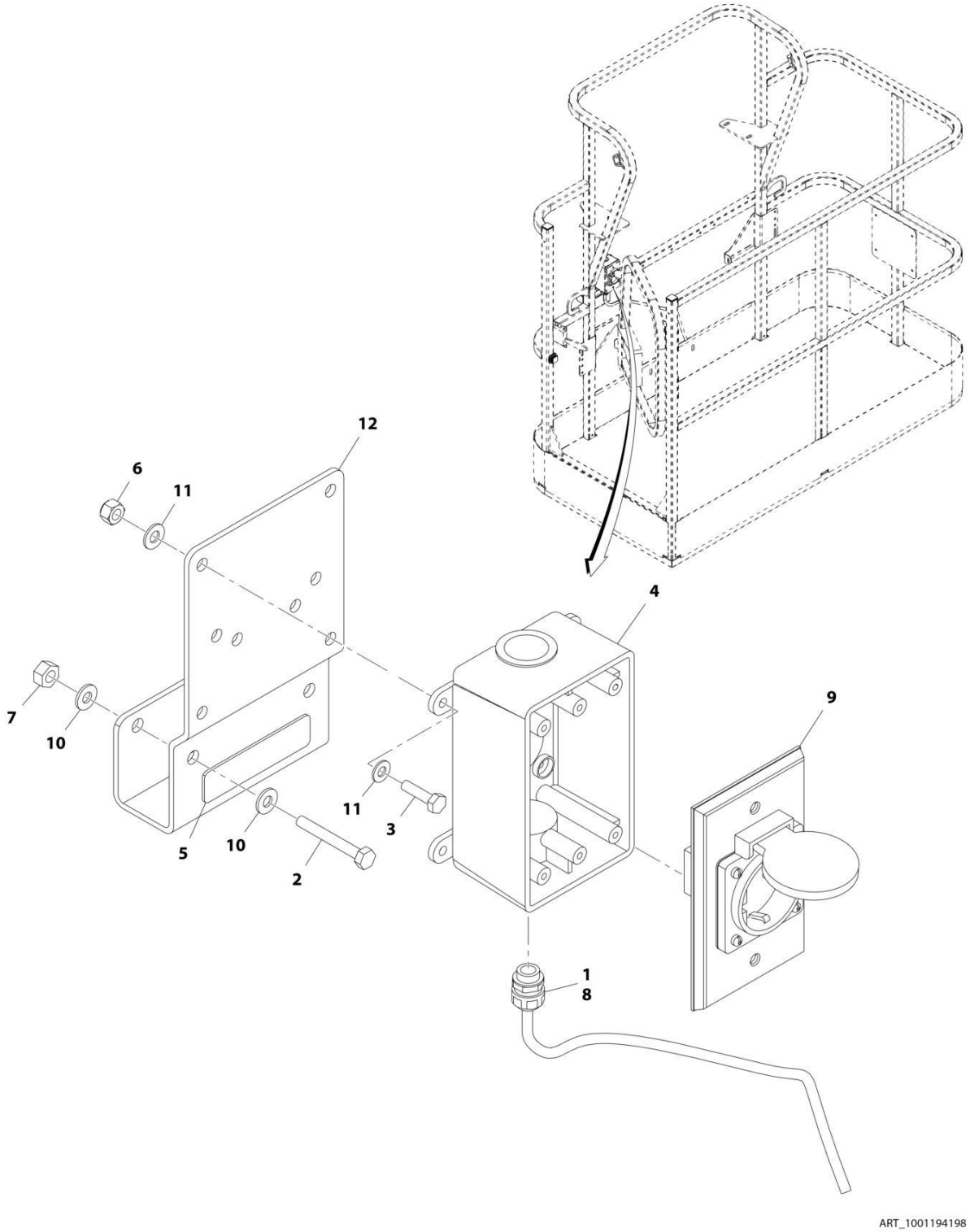


FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300209000 through 0300214023)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194198	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) **(SN 0300209000 through 0300214023)**	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	3251242	1	Decal - 240V-50Hz	
6	3290405	4	Nut M4	
7	3311405	2	Nut 1/4	
8	4460662	1	Connector, Strain Relief	
9	4461245	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	
13	4460806	2	Terminal, Fork (Not Shown)	
14	1001205958	1	Terminal (Not Shown)	

FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300214024 through 0300272505)

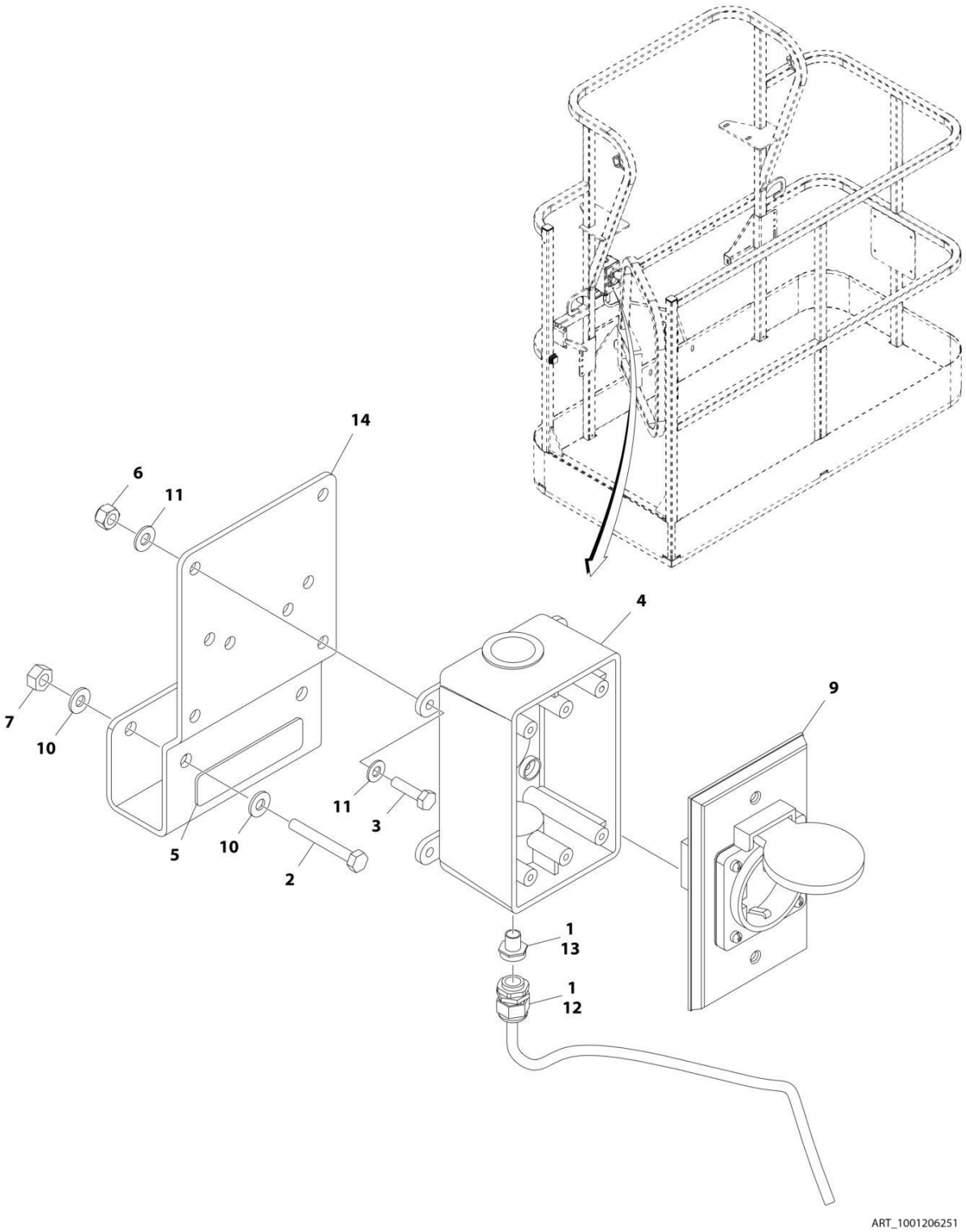


FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300214024 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206251	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS)	A
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	3251242	1	Decal - 240V-50Hz	
6	3290405	4	Nut M4	
7	3311405	2	Nut 1/4	
8	4460806	2	Terminal, Fork (Not Shown)	
9	4461245	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001101191	1	Connector, Strain Relief	
13	1001101197	1	Connector, Adapter	
14	1001193018	1	Bracket, AC Receptacle	
15	1001205958	1	Terminal (Not Shown)	

FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE SPECS)

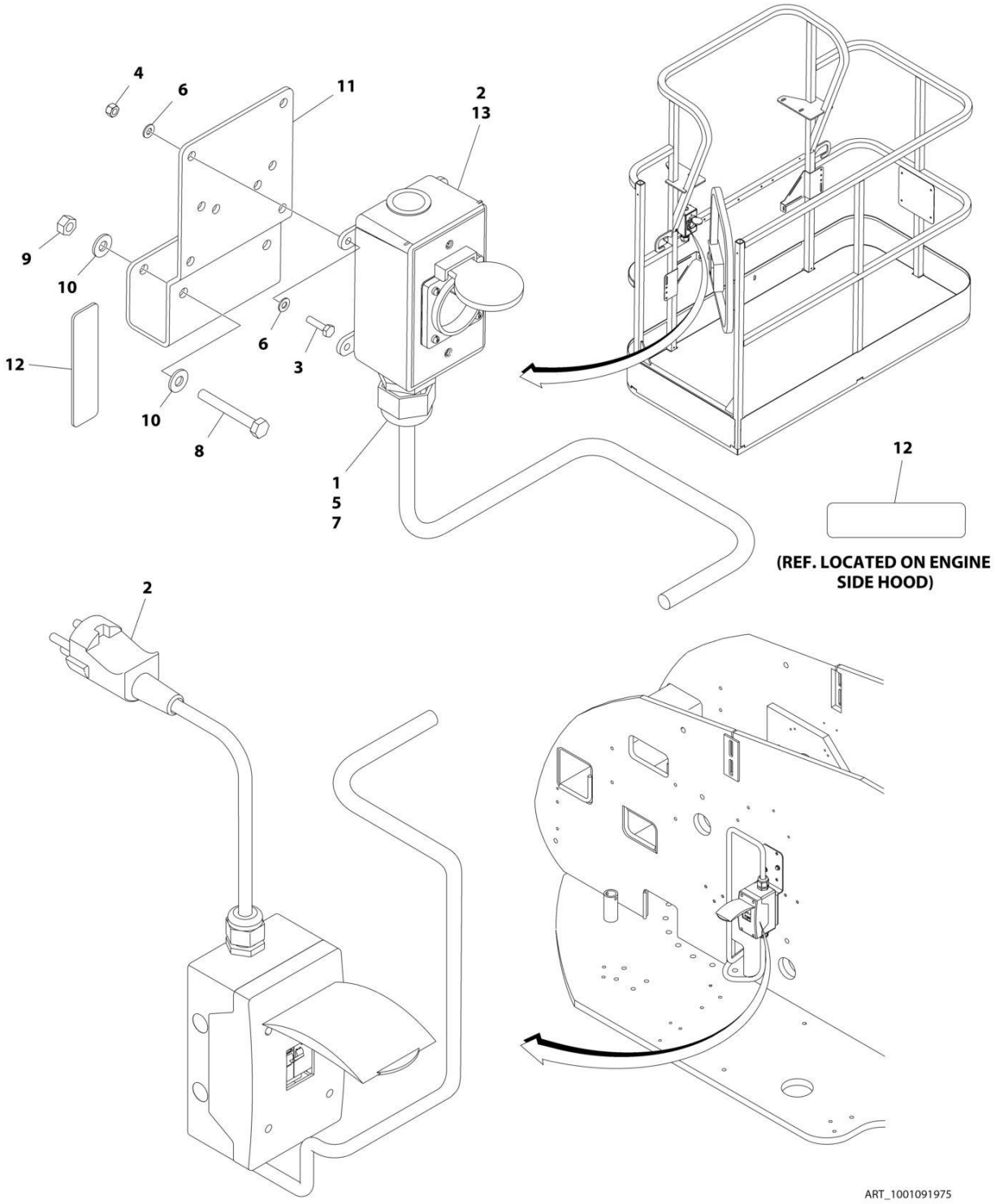


FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091975	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE SPECS)	F
1	0100020	AR	Sealant, Pipe	
2	0275454	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS) for Breakdown)	
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 **(SN 0300240303 through 0300272505)**	
13	1001205958	3	Terminal	

FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300209000 through 0300214023)

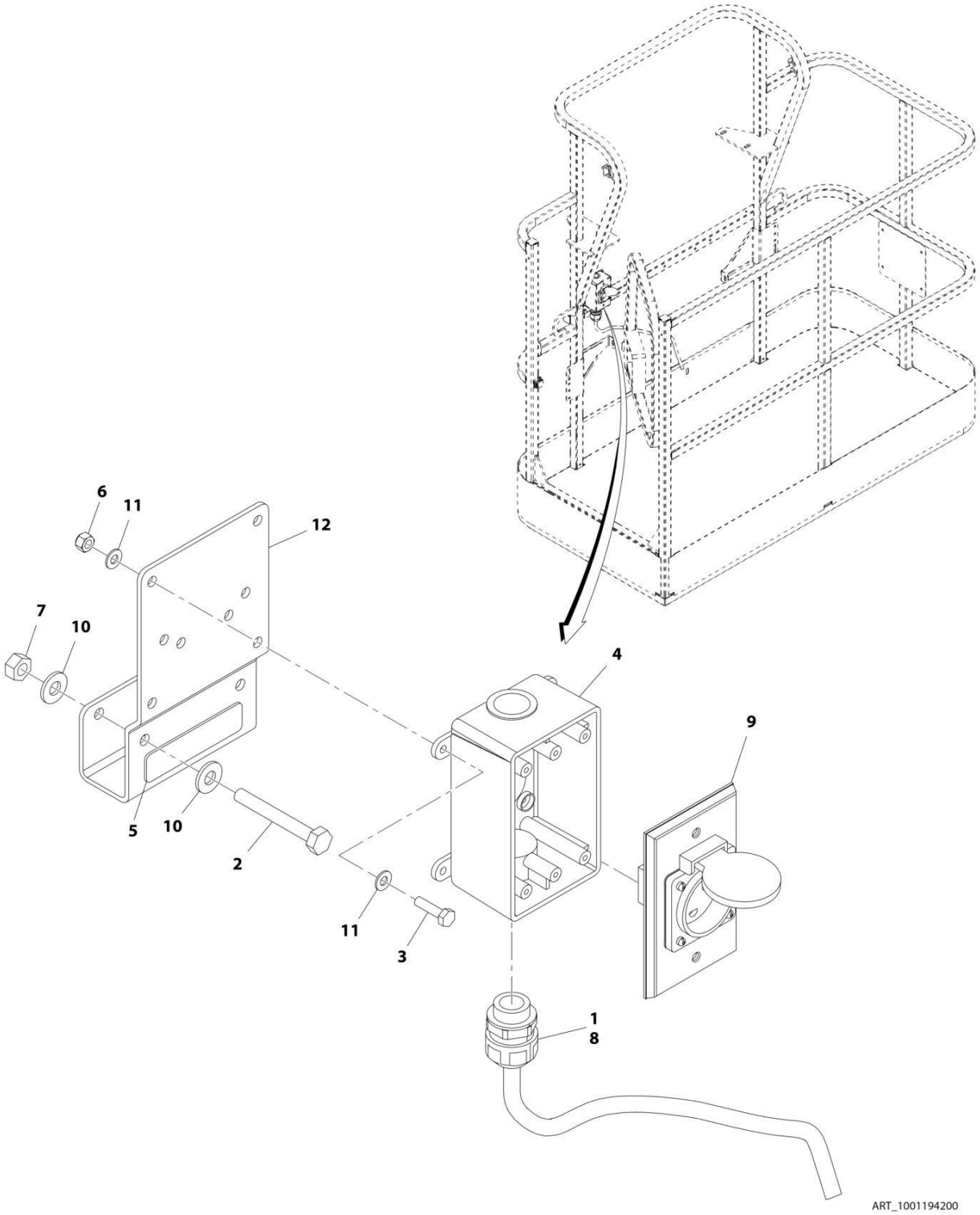


FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300209000 through 0300214023)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194200	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) **(SN 0300209000 through 0300214023)**	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	3	Terminal (Not Shown)	

FIGURE 8-20. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300214024 through 0300272505)

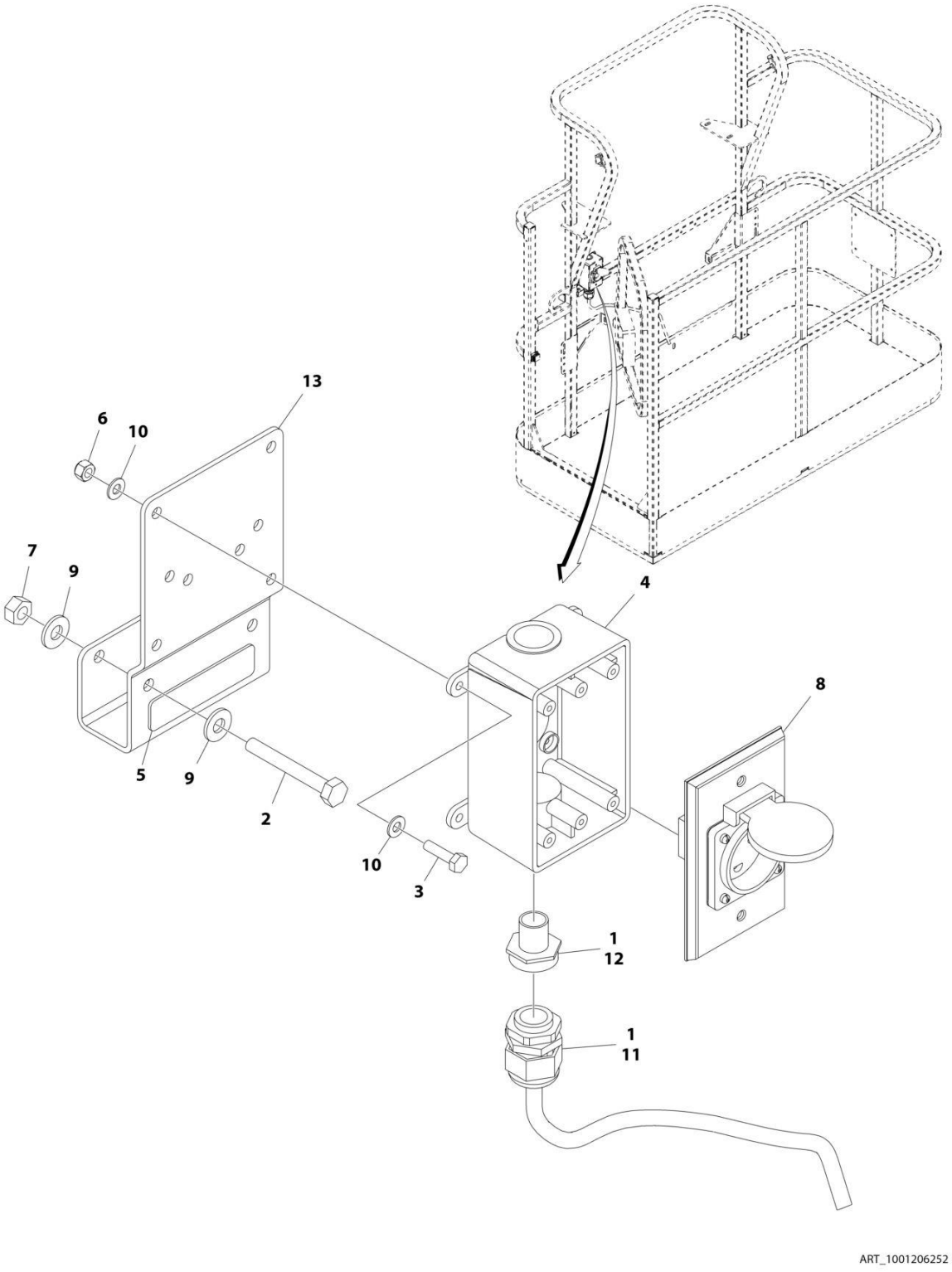


FIGURE 8-20. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS) (SN 0300214024 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206252	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 4000W GENERATOR (CE SPECS)	A
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	3251242	1	Decal - 240V-50Hz	
6	3290405	4	Nut M4	
7	3311405	2	Nut 1/4	
8	4461246	1	Receptacle	
9	4711400	4	Washer 1/4	
10	4811400	8	Washer M4	
11	1001101191	1	Connector, Strain Relief	
12	1001101197	1	Connector, Adapter	
13	1001193018	1	Bracket, AC Receptacle	
14	1001205958	3	Terminal (Not Shown)	

FIGURE 8-21. AC 16 AMP/30MA BREAKER BOX INSTALLATION

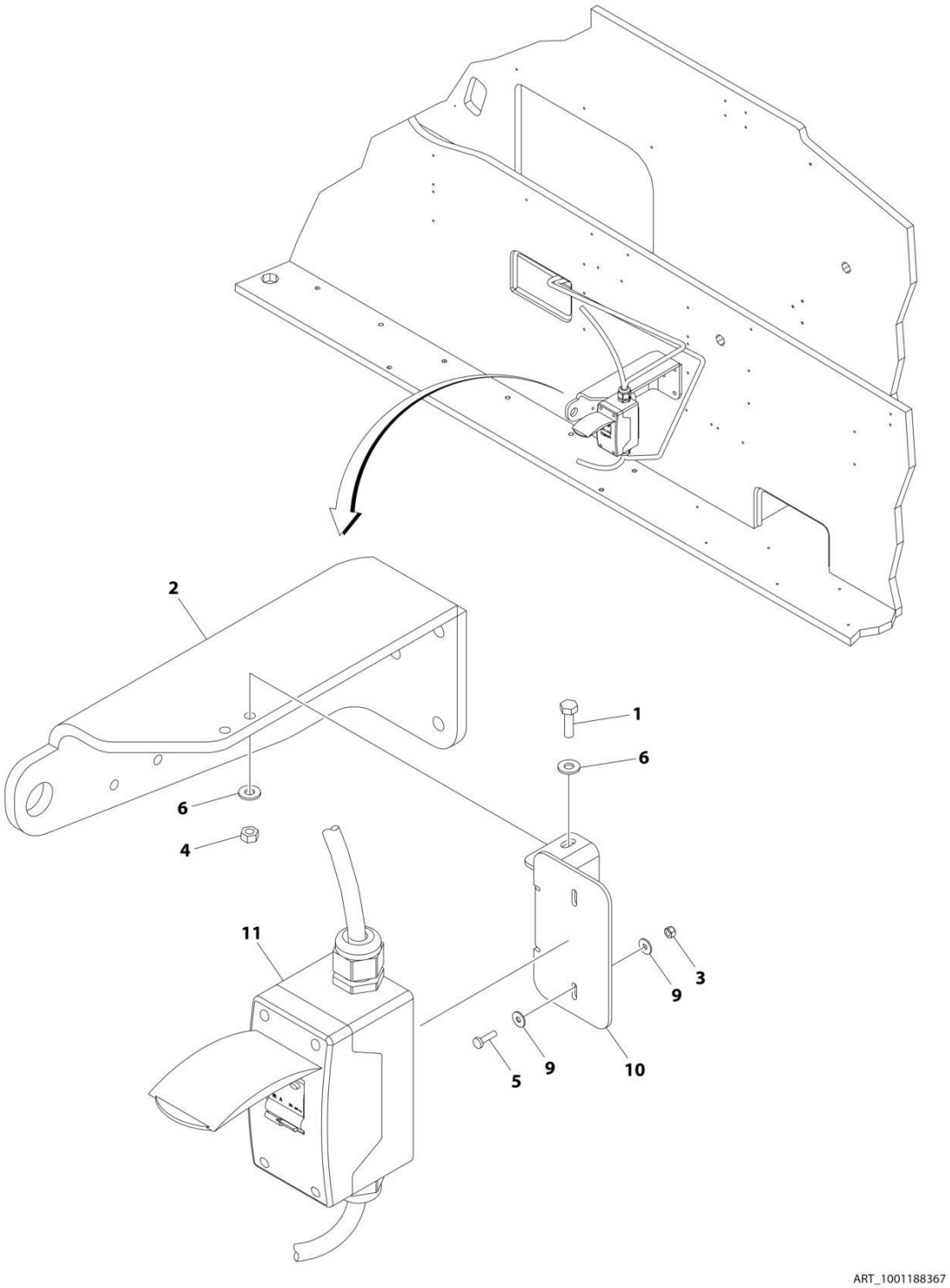


FIGURE 8-21. AC 16 AMP/30MA BREAKER BOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188367	Ref	AC 16 AMP/30mA BREAKER BOX INSTALLATION	A
1	0641407	2	Bolt 1/4 x 7/8	
2	0903149	1	Bracket	
3	3290405	4	Nut M4	
4	3311405	2	Nut 1/4	
5	4010408	2	Screw M4 x 16	
6	4711400	4	Washer 1/4	
7	4922610	1	Harness, Upper (Not Shown)	
7	4460709	1	Plug, Male	
8	4922612	1	Harness, Lower (Not Shown)	
8	4460710	1	Receptacle, Female	
9	1001091102	4	Washer M4	
10	1001094915	1	Bracket	
11	1001096070	1	Breaker Box Kit - 16 Amp/30mA (See BREAKER BOX KIT - 16AMP/30mA for Breakdown)	

FIGURE 8-22. AC 16 AMP BREAKER BOX INSTALLATION (CE SPECS)

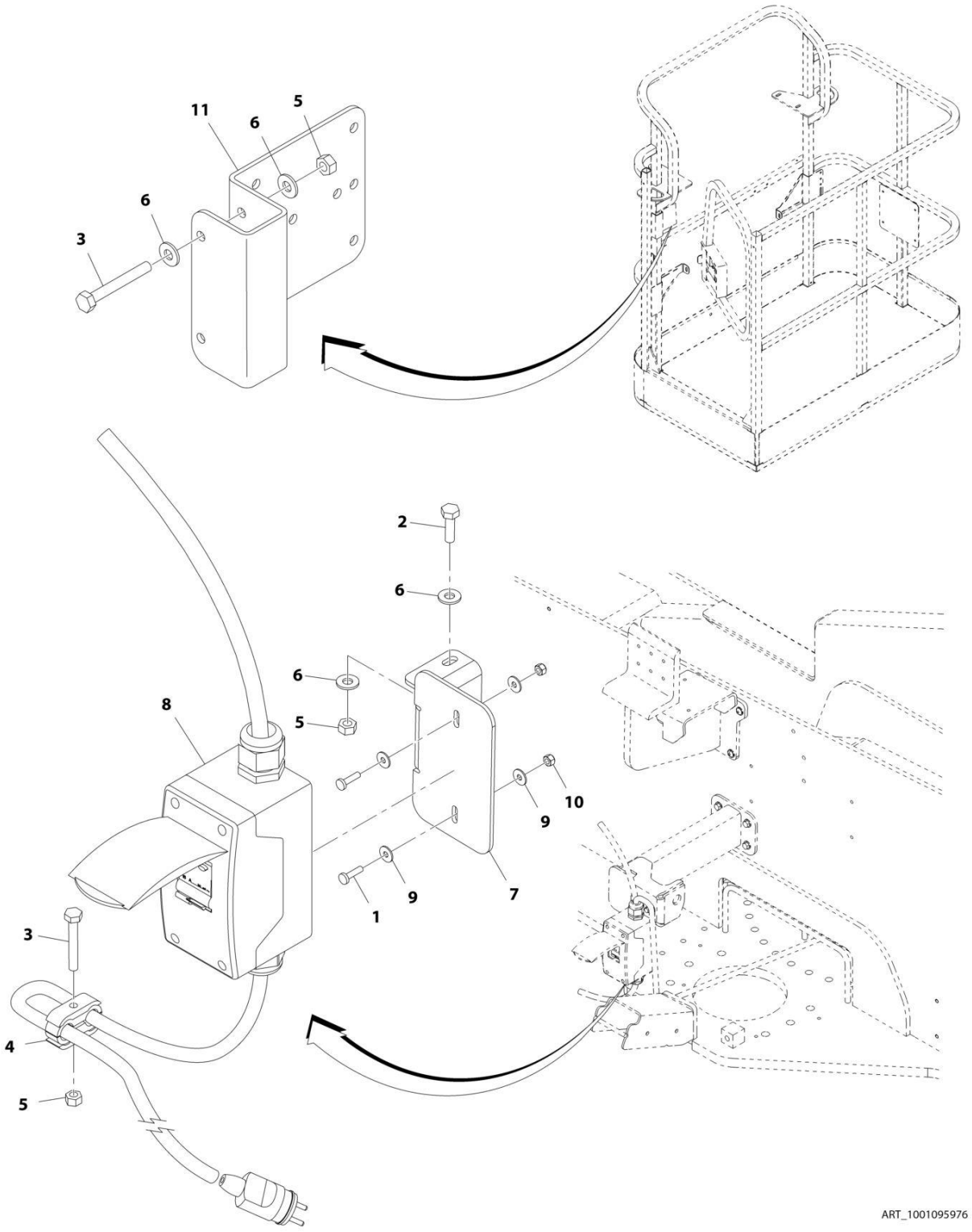


FIGURE 8-22. AC 16 AMP BREAKER BOX INSTALLATION (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095976	Ref	AC 16 AMP BREAKER BOX INSTALLATION (CE SPECS)	D
1	4010408	2	Screw M4 x 16	
2	0641407	2	Bolt 1/4 x 7/8	
3	0641416	AR	Bolt 1/4 x 2	
4	1320146	1	Clamp	
5	3311405	AR	Nut 1/4	
6	4711400	AR	Washer 1/4	
7	1001094915	1	Bracket	
8	1001109654	1	Breaker Box Kit - 16 Amp (See BREAKER BOX KIT - 16 AMP for Breakdown)	
9	1001091102	4	Washer M4	
10	3290405	2	Nut M4	
11	0903484	1	Bracket **(SN 0300209000 through 0300237553)**	

FIGURE 8-23. AXLE POWER TRACK HARNESS ASSEMBLY

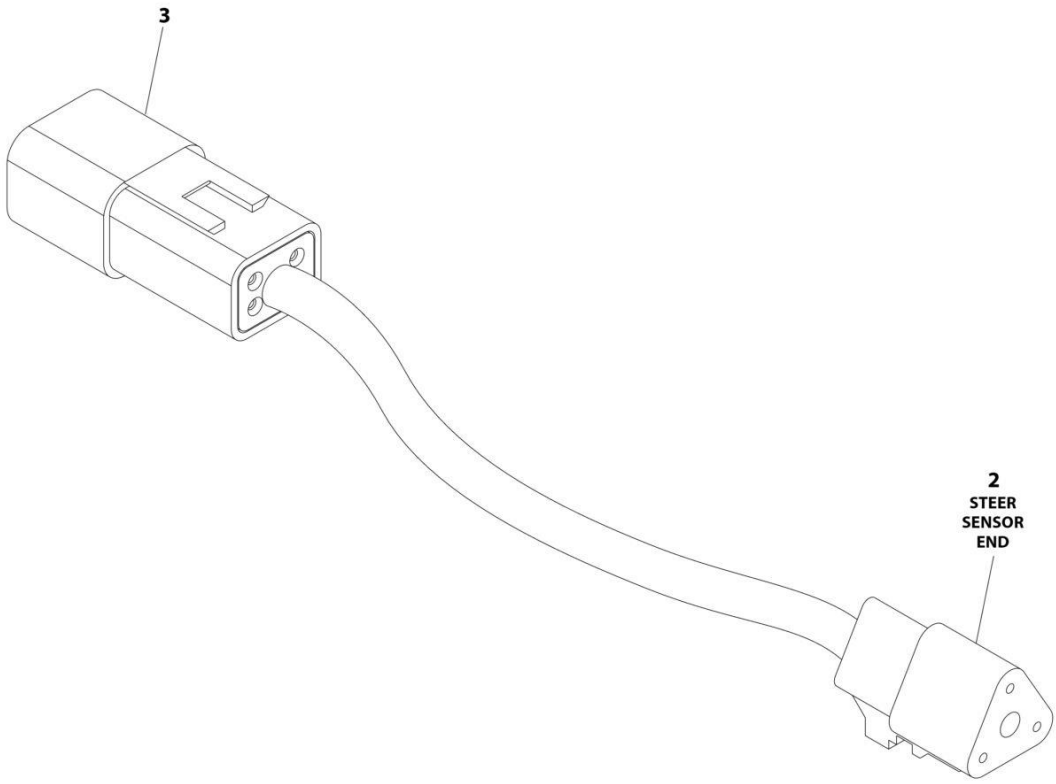


FIGURE 8-23. AXLE POWER TRACK HARNESS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922718	Ref	AXLE POWER TRACK HARNESS ASSEMBLY	D
2	4460539	1	Connector - 3 Position	
2	4460944	3	Socket, Female	
3	4460932	1	Connector - 4 Position	
3	4460943	4	Pin, Male	

FIGURE 8-24. BATTERY DISCONNECT INSTALLATION

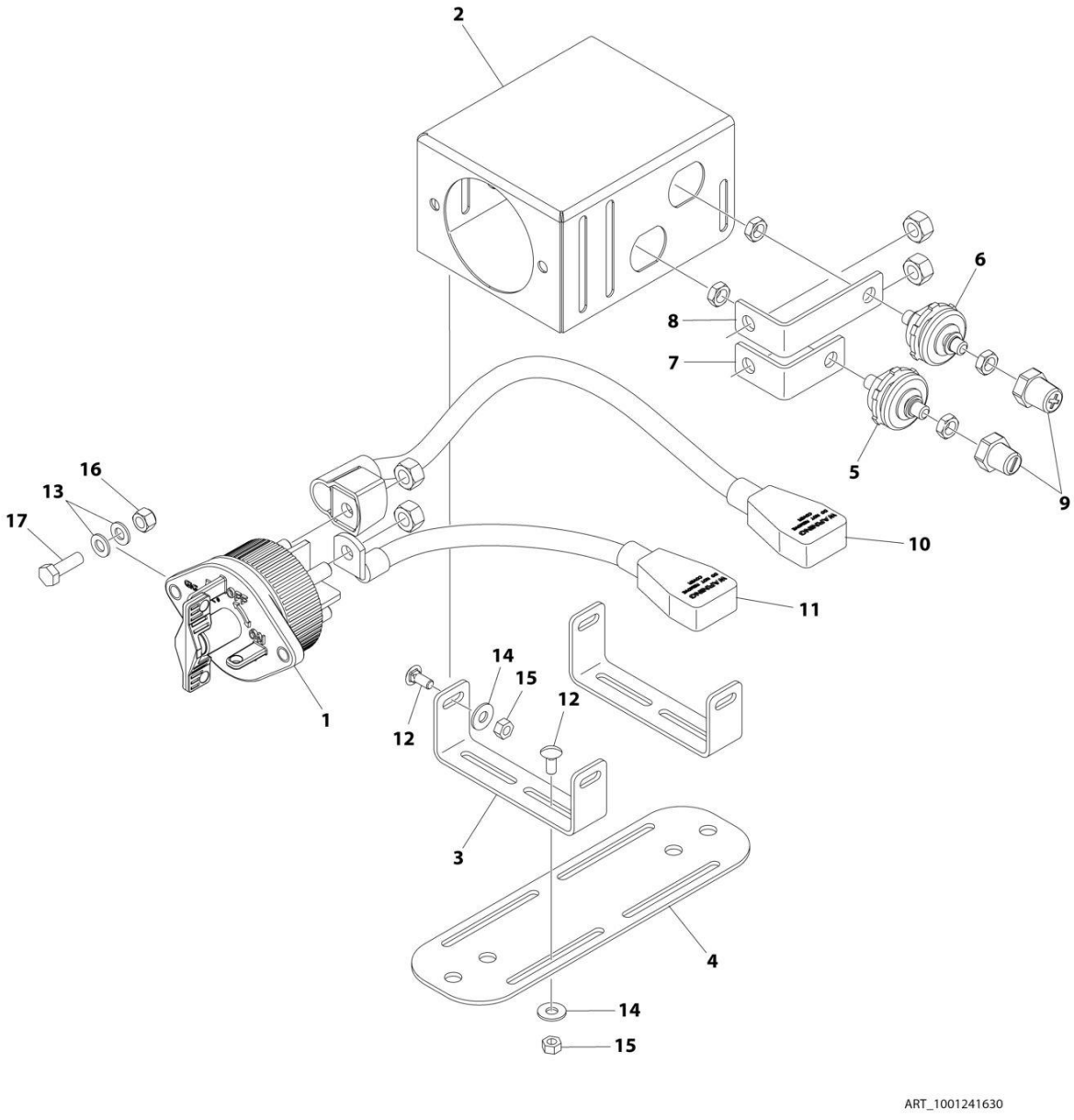
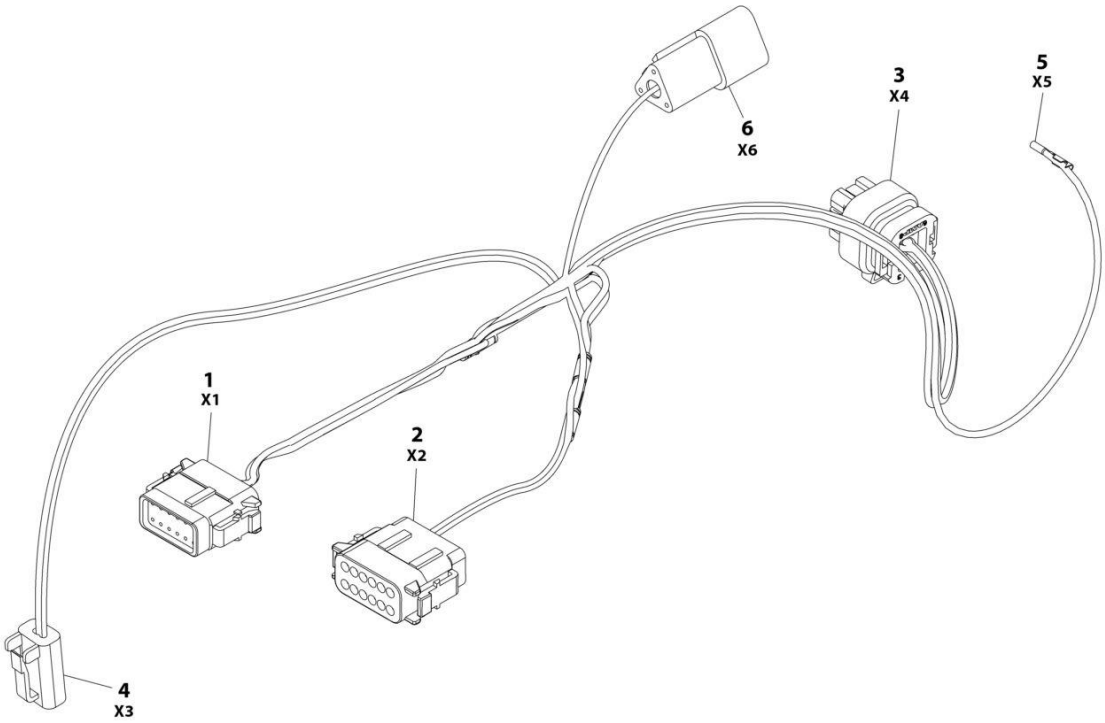


FIGURE 8-24. BATTERY DISCONNECT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241630	Ref	BATTERY DISCONNECT SWITCH	A
1	1001225346	1	Switch, Battery Disconnect	
2	1001226531	1	Mount	
3	1001239805	2	Mount	
4	1001241585	1	Plate	
5	1001214571	1	Connector (Black)	
6	1001214570	1	Connector (Red)	
7	1001209474	1	Buss bar	
8	1001209432	1	Buss bar	
9	1001206476	1	Connector	
10	1001236504	1	Cable (Positive)	
11	1001236505	1	Cable (Negative)	
12	88411013	8	Bolt 1/4 x 3/4	
13	4811900	4	Washer M8	
14	4751400	8	Washer 1/4	
15	3311405	8	Nut 1/4	
16	3290805	2	Nut M8	
17	0760812	2	Bolt M8 x 25	

FIGURE 8-25. BEACON CONTROL HARNESS (BLUE BEACON LIGHT ONLY)



ART_1001150944

FIGURE 8-25. BEACON CONTROL HARNESS (BLUE BEACON LIGHT ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150944	Ref	BEACON CONTROL HARNESS (BLUE BEACON LIGHT ONLY)	C
1	1001116808	1	Connector - 12 Position	
1	1001126008	3	Pin, Male	
1	4460518	9	Plug, Sealing	
2	1001116774	1	Connector - 12 Position	
2	1001116008	2	Pin, Male	
2	4460518	10	Plug, Sealing	
3	1001113961	1	Connector - 8 Position	
3	4460871	5	Socket, Female	
3	4460905	3	Plug, Sealing	
4	4460891	1	Connector - 2 Position	
4	4460465	2	Socket, Female	
5	4460871	1	Socket, Female	
6	1001144147	1	Connector - 3 Position	
6	4460464	2	Pin, Male	
6	4460466	1	Plug, Terminal	
6	1001116815	1	Connector - 3 Position	

FIGURE 8-26. BEACON LIGHT HARNESS (BLUE BEACON LIGHT ONLY)

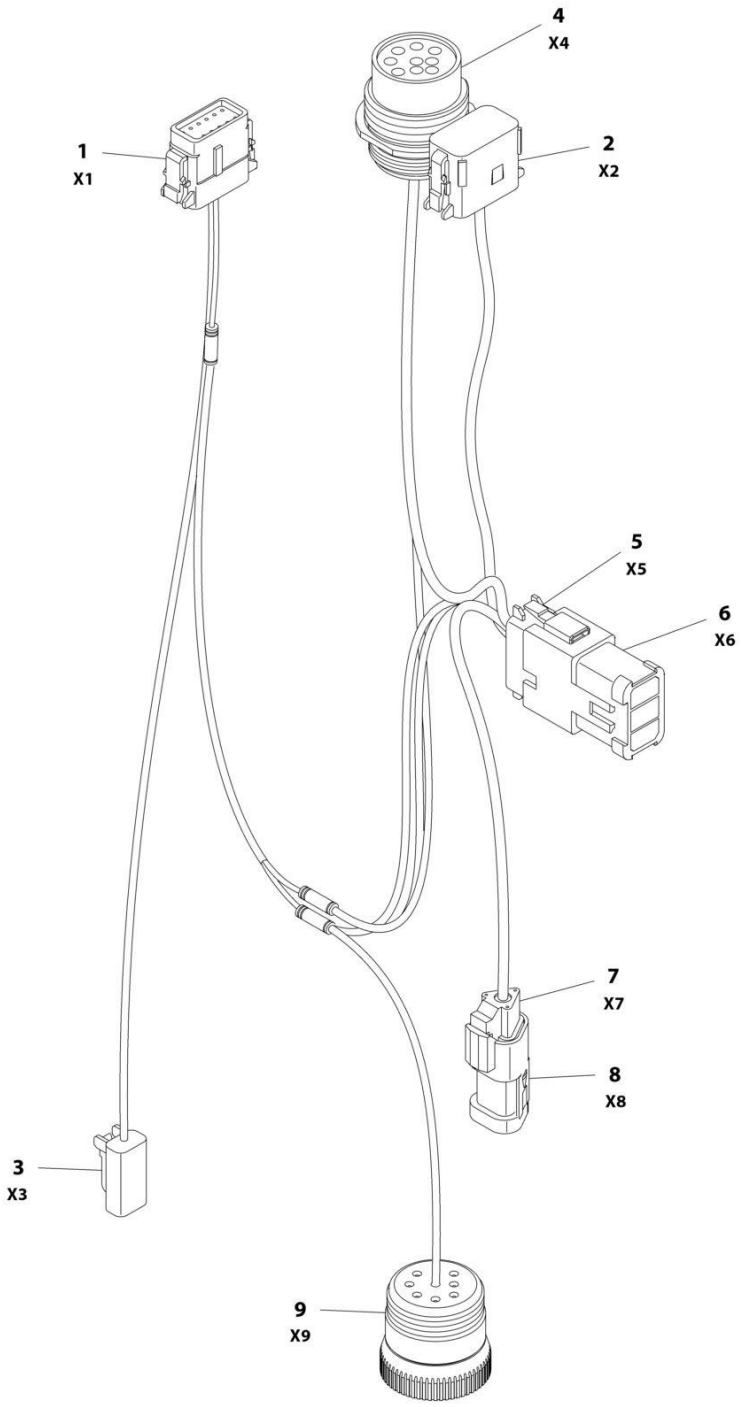


FIGURE 8-26. BEACON LIGHT HARNESS (BLUE BEACON LIGHT ONLY)

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

FIGURE 8-27. B.L.A.M. HARNESS

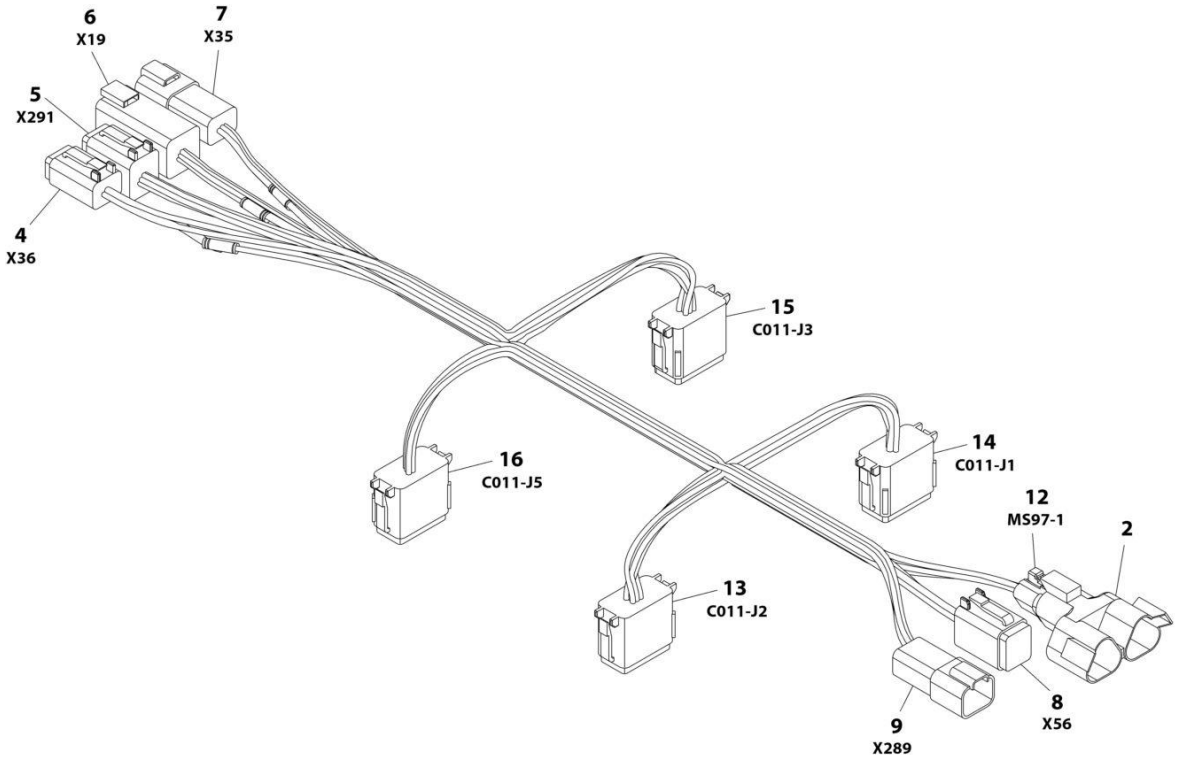


FIGURE 8-27. B.L.A.M. HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119394	Ref	B.L.A.M. HARNESS	B
2	4460945	1	Connector, Female - 3 Way	
4	4460884	1	Connector, Gray - 4 Position	
4	4460944	4	Socket, Female (Gold)	
5	4460894	1	Plug, Male - 6 Position	
5	4460944	6	Socket, Female (Gold)	
6	4460899	1	Connector, Female - 6 Position	
6	4460943	4	Pin, Male 16 Ga	
7	4460932	1	Connector, Female - 4 Position	
7	4460943	4	Pin, Male 16 Ga	
8	4460894	1	Plug, Male - 6 Position	
8	4460465	5	Socket, Female 18 Gauge	
9	4460932	1	Connector, Female - 4 Position	
9	4460941	2	Pin, Male	
9	4460464	1	Pin, Male	
12	4460965	1	Connector, Female - 3 Position	
12	4460944	3	Socket, Female (Gold)	
13	4460836	1	Plug, Male - 12 Position	
13	4460944	5	Socket, Female (Gold)	
13	4460465	2	Socket, Female 18 Gauge	
14	4460933	1	Connector, Male - 12 Position (Gray)	
14	4460944	3	Socket, Female (Gold)	
14	4460465	4	Socket, Female 18 Gauge	
14	4460942	2	Socket, Female	
15	4460934	1	Plug, Male - 12 Position (Green)	
15	4460944	11	Socket, Female (Gold)	
16	4460935	1	Plug, Male - 12 Position (Brown)	
16	4460465	5	Socket, Female 18 Gauge	

FIGURE 8-28. B.L.A.M. TO BOOM LENGTH SENSOR HARNESS

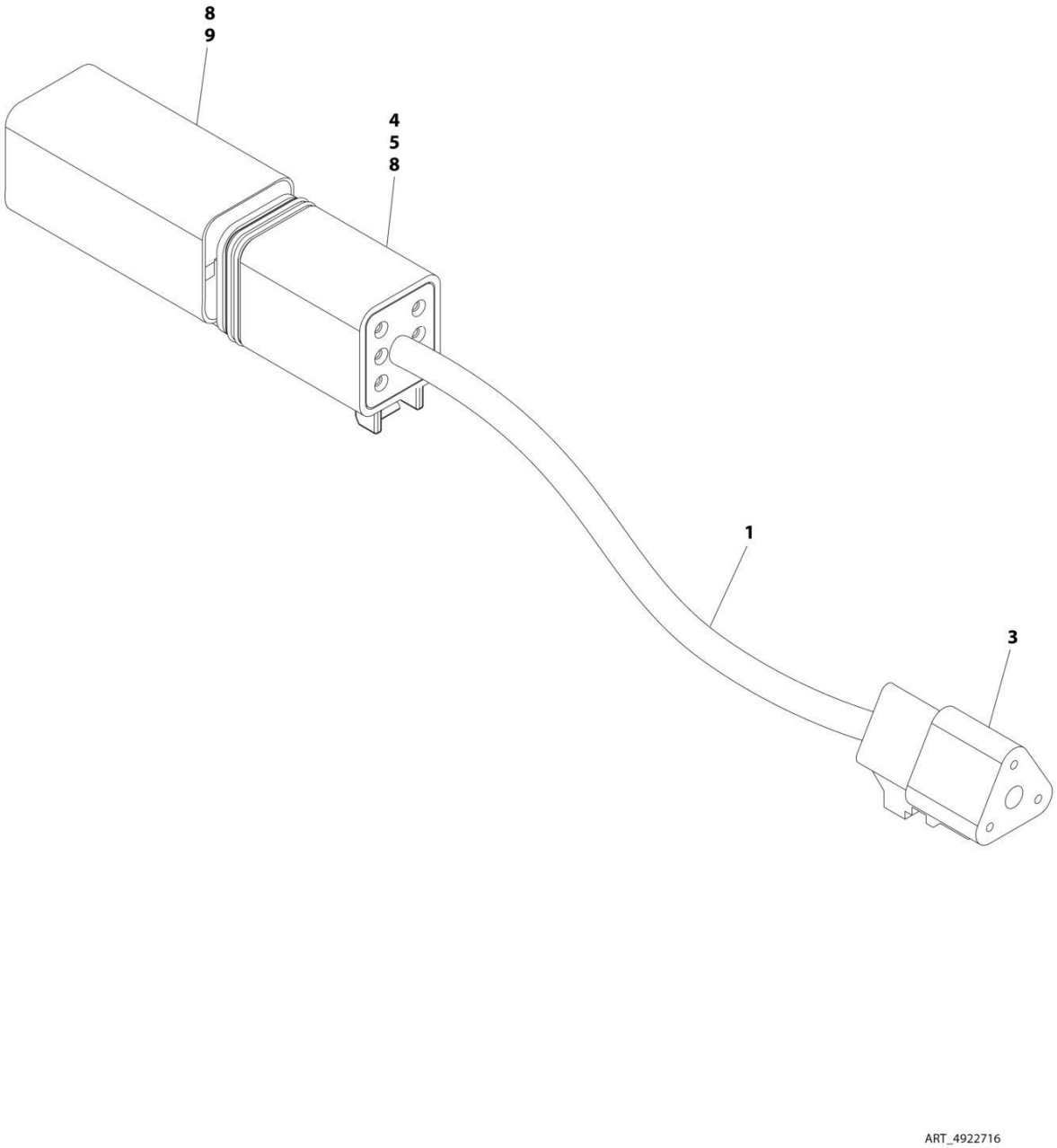


FIGURE 8-28. B.L.A.M. TO BOOM LENGTH SENSOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922716	Ref	B.L.A.M. TO BOOM LENGTH SENSOR HARNESS	G
1	1060981	12 ft/ 3.66m	Cable, Electrical 18/3	
3	4460539	1	Connector - 3 Position	
4	4460944	7	Socket, Female (Gold)	
5	4460894	1	Plug, Male - 6 Position	
8	4460466	AR	Plug, Terminal	
9	4460899	1	Connector, Female - 6 Position **(SN 0300237553 through 0300272505)**	

FIGURE 8-29. B.L.A.M. TO BOOM ANGLE SENSOR HARNESS (LEFT SIDE)

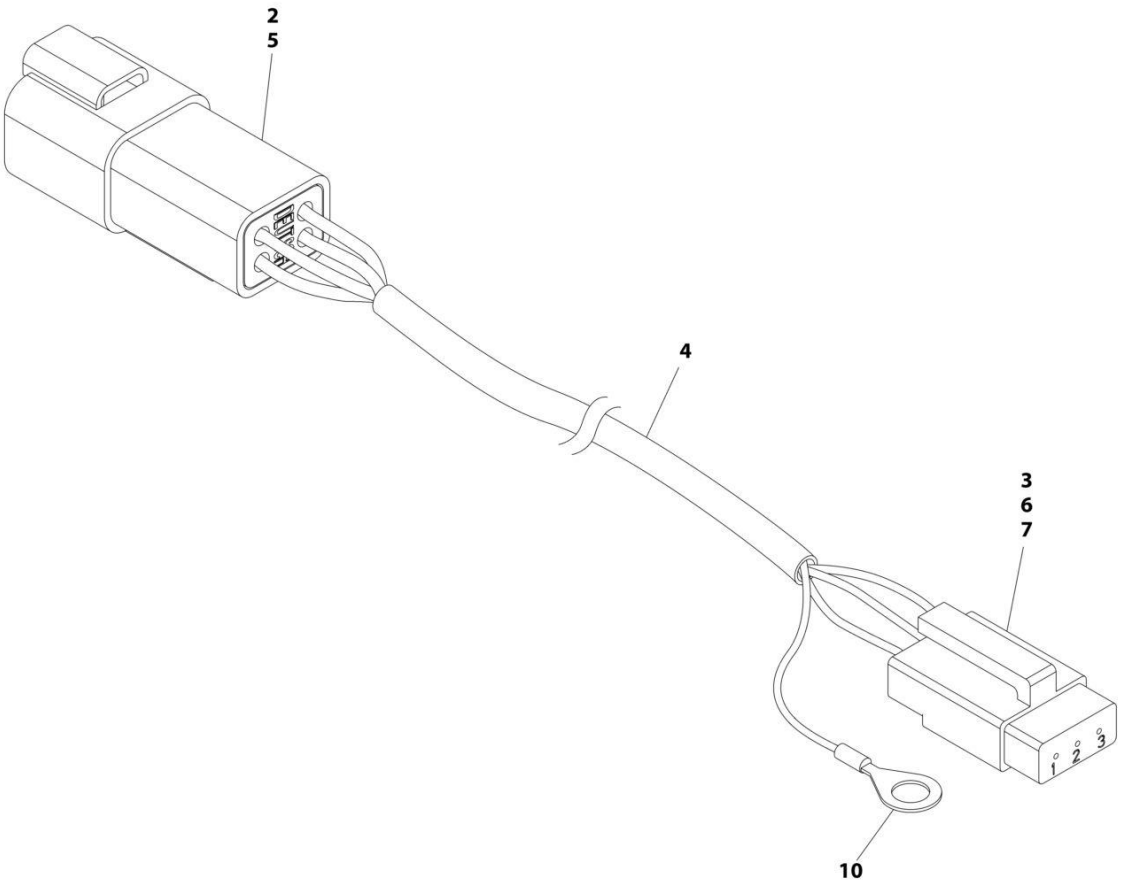


FIGURE 8-29. B.L.A.M. TO BOOM ANGLE SENSOR HARNESS (LEFT SIDE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922781	Ref	B.L.A.M. TO BOOM ANGLE SENSOR HARNESS (LEFT SIDE)	F
2	4460932	1	Connector, Female - 4 Position	
3	4460912	1	Lock, Wedge - Position	
4	1060982	16.2 ft/ 4.94m	Cable, Electrical 18/3	
5	4460943	4	Pin, Male 16 Ga	
6	4460911	1	Plug, Male - 3 Position	
7	4460918	3	Socket, Female (Gold)	
10	4460722	1	Terminal, Ring	

FIGURE 8-30. B.L.A.M. TO BOOM ANGLE SENSOR HARNESS (RIGHT SIDE)

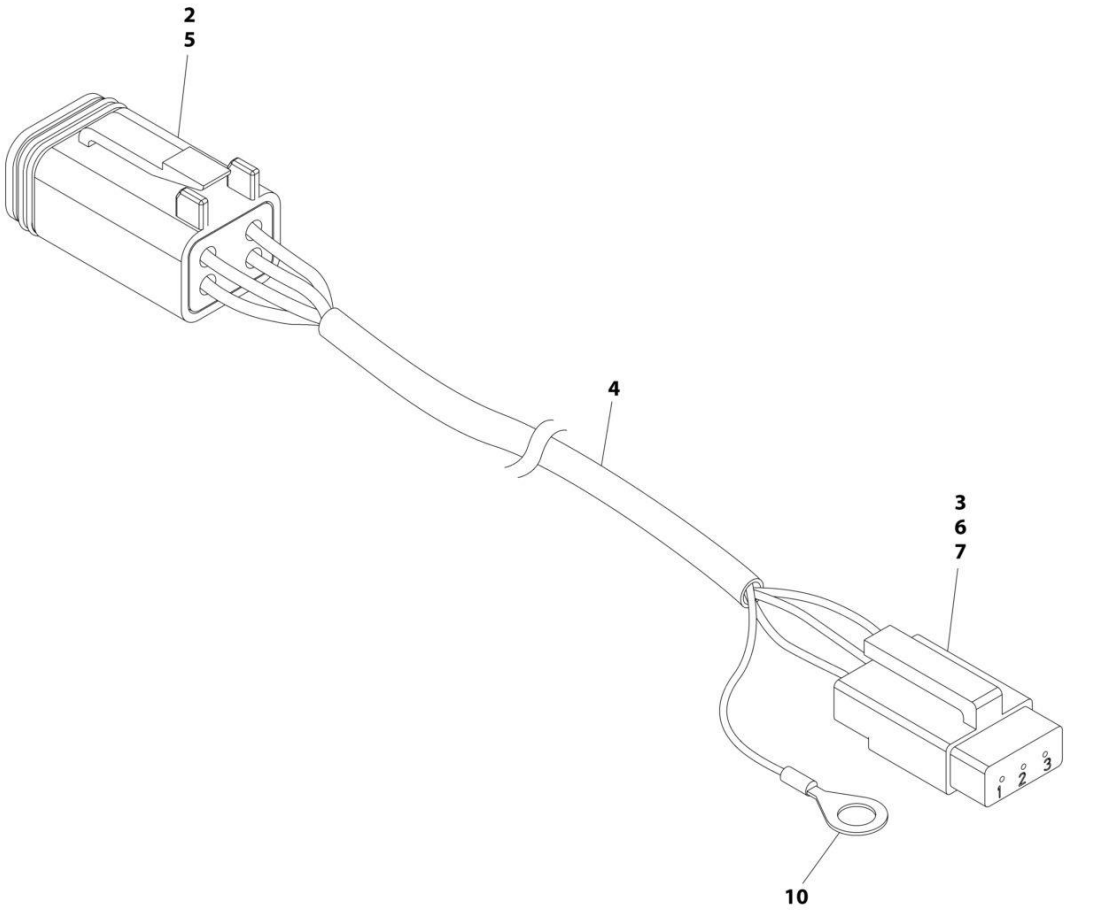


FIGURE 8-30. B.L.A.M. TO BOOM ANGLE SENSOR HARNESS (RIGHT SIDE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922780	Ref	B.L.A.M. TO BOOM ANGLE SENSOR HARNESS (RIGHT SIDE)	E
2	4460884	1	Connector, Gray - 4 Position	
3	4460912	1	Lock, Wedge - Position	
4	1060981	16.2 ft/ 4.94m	Cable, Electrical 18/3	
5	4460944	4	Socket, Female (Gold)	
6	4460911	1	Plug, Male - 3 Position	
7	4460918	3	Socket, Female (Gold)	
10	4460722	1	Terminal, Ring	

FIGURE 8-31. BOOM CABLES INSTALLATION (ANSI, CSA AND JAPANESE SPECS)

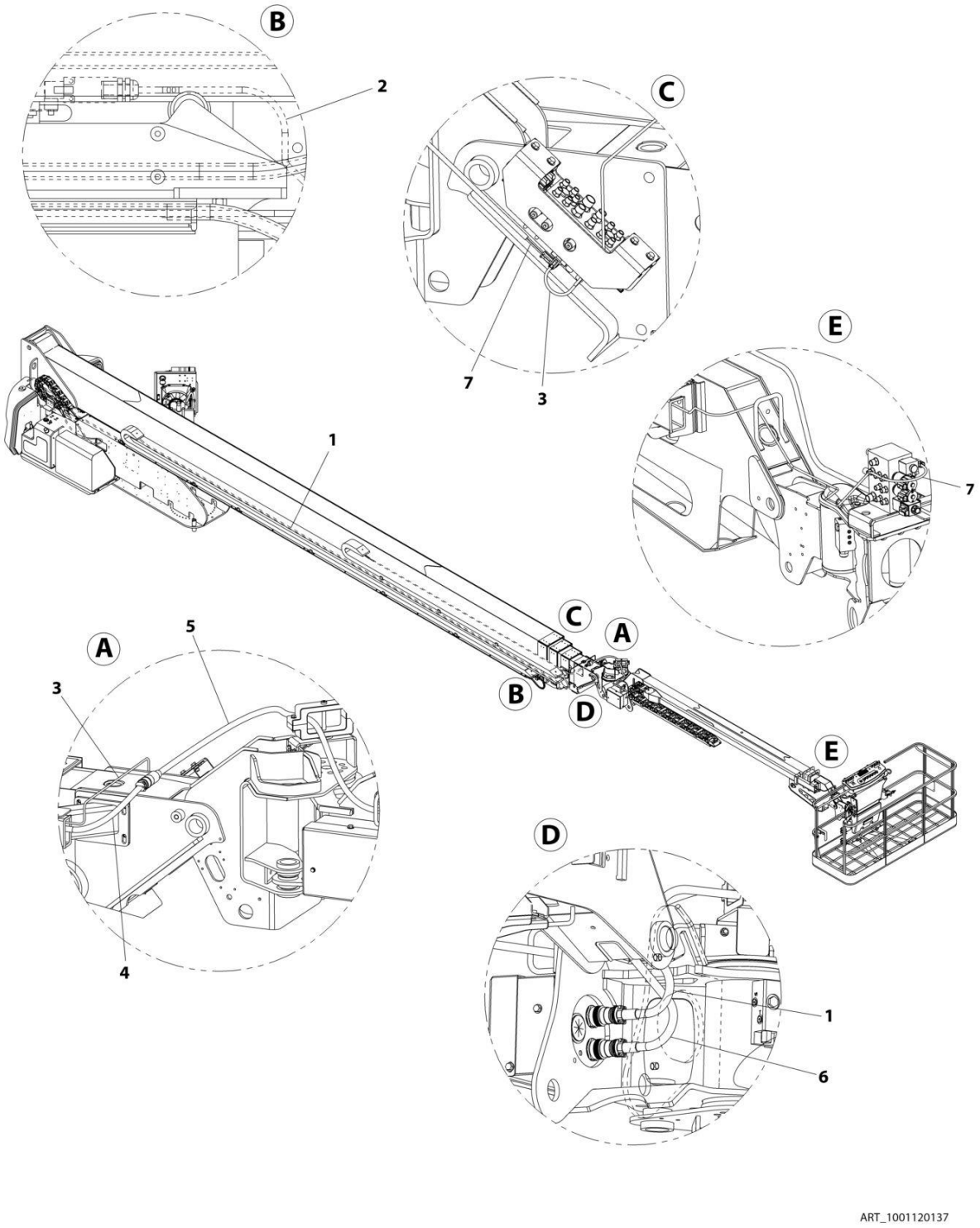


FIGURE 8-31. BOOM CABLES INSTALLATION (ANSI, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120137	Ref	BOOM CABLES INSTALLATION (ANSI, CSA AND JAPANESE SPECS)	D
1	1001122396	1	Harness, Main Boom Control (See MAIN BOOM CONTROL HARNESS for Breakdown)	
2	1001179216	1	Transport Switch Cable	
3	1001119393	1	Harness, Jib Enable (See JIB ENABLE HARNESS for Breakdown)	
4	1001120099	1	Harness, Main Boom AC/Generator Power	
4	4460134	1	Receptacle, Female	
5	1001120107	1	Harness, Jib Boom AC/Generator Power	
5	4460205	1	Plug, Male	
6	1001120098	1	Harness, Jib Control (See JIB BOOM CONTROL HARNESS for Breakdown)	
7	1001125666	1	Harness, Platform Dump	
7	4460891	2	Plug, Male - 2 Position	
7	4460942	4	Socket, Female	

FIGURE 8-32. BOOM CABLES INSTALLATION - WITH 4000W 60HZ GENERATOR (ANSI AND ANSI EXPORT SPECS)

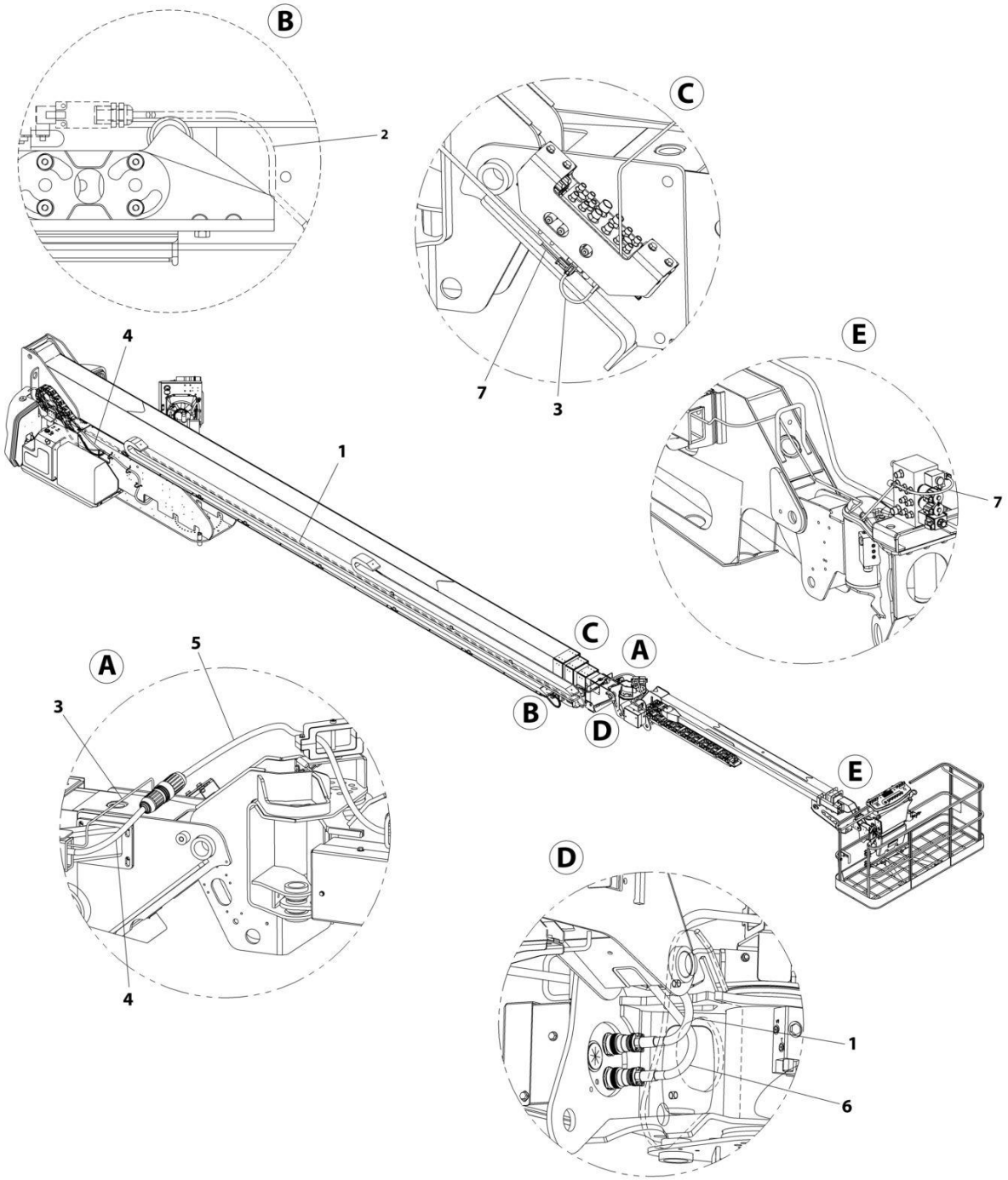


FIGURE 8-32. BOOM CABLES INSTALLATION - WITH 4000W 60HZ GENERATOR (ANSI AND ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161052	Ref	BOOM CABLES INSTALLATION - WITH 4000W 60HZ GENERATOR (ANSI AND ANSI EXPORT SPECS)	B
1	1001122396	1	Harness, Main Boom Control (See MAIN BOOM CONTROL HARNESS for Breakdown)	
2	1001179216	1	Transport Switch Cable	
3	1001119393	1	Harness, Jib Enable (See JIB ENABLE HARNESS for Breakdown)	
4	1001161046	1	Harness, Main Boom AC/Generator Power	
4	1671092	1	Cover	
4	4460963	1	Connector, Female	
5	1001161047	1	Harness, Jib Boom AC/Generator Power	
5	1671093	1	Cover	
5	4460962	1	Plug, Male	
6	1001120098	1	Harness, Jib Control (See JIB BOOM CONTROL HARNESS for Breakdown)	
7	1001125666	1	Harness, Platform Dump	
7	4460891	2	Plug, Male - 2 Position	
7	4460942	4	Socket, Female	

FIGURE 8-33. BOOM CABLES INSTALLATION - WITH 4000W 50HZ GENERATOR (CE SPECS)

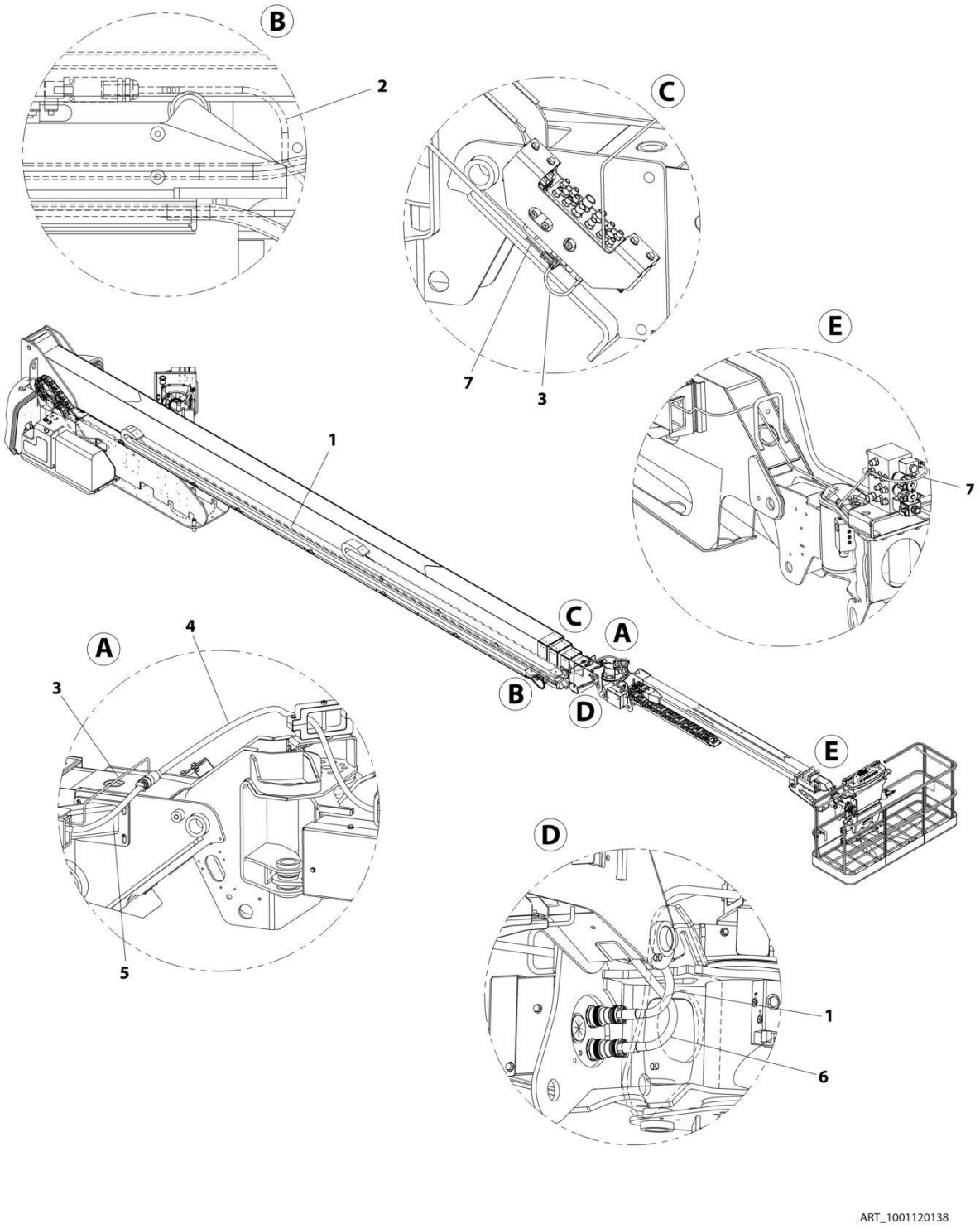


FIGURE 8-33. BOOM CABLES INSTALLATION - WITH 4000W 50HZ GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120138	Ref	BOOM CABLES INSTALLATION - WITH 4000W 50HZ GENERATOR (CE SPECS)	E
1	1001122396	1	Harness, Main Boom Control (See MAIN BOOM CONTROL HARNESS for Breakdown)	
2	1001179216	1	Transport Switch Cable	
3	1001119393	1	Harness, Jib Enable (See JIB ENABLE HARNESS for Breakdown)	
4	1001120108	1	Harness, Jib Boom AC/Generator Power	
4	4460709	1	Plug, Male	
5	1001120111	1	Harness, Main Boom AC/Generator Power	
5	4460710	1	Receptacle, Female	
6	1001120098	1	Harness, Jib Control (See JIB BOOM CONTROL HARNESS for Breakdown)	
7	1001125666	1	Harness, Platform Dump	
7	4460891	2	Plug, Male - 2 Position	
7	4460942	4	Socket, Female	

FIGURE 8-34. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR

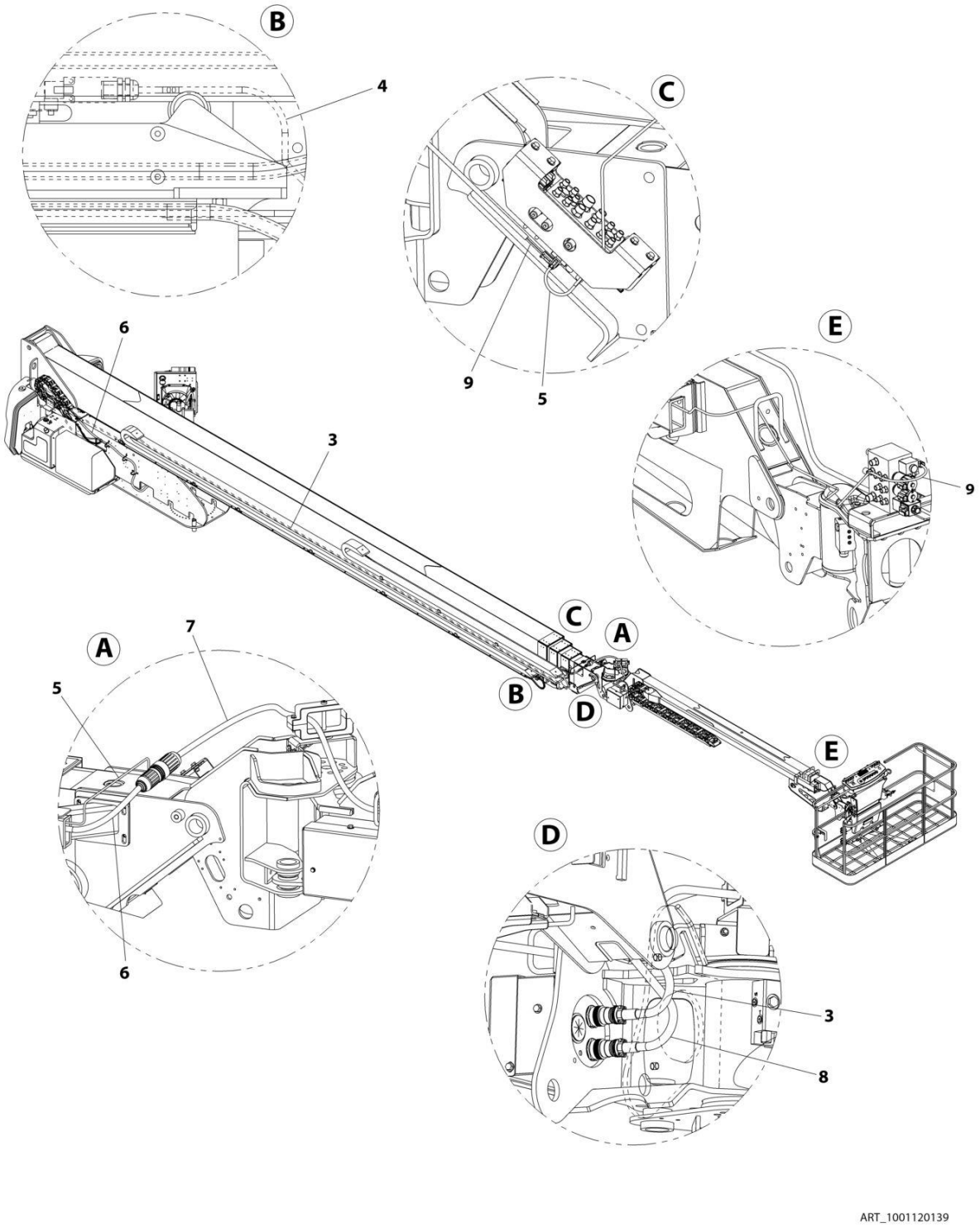
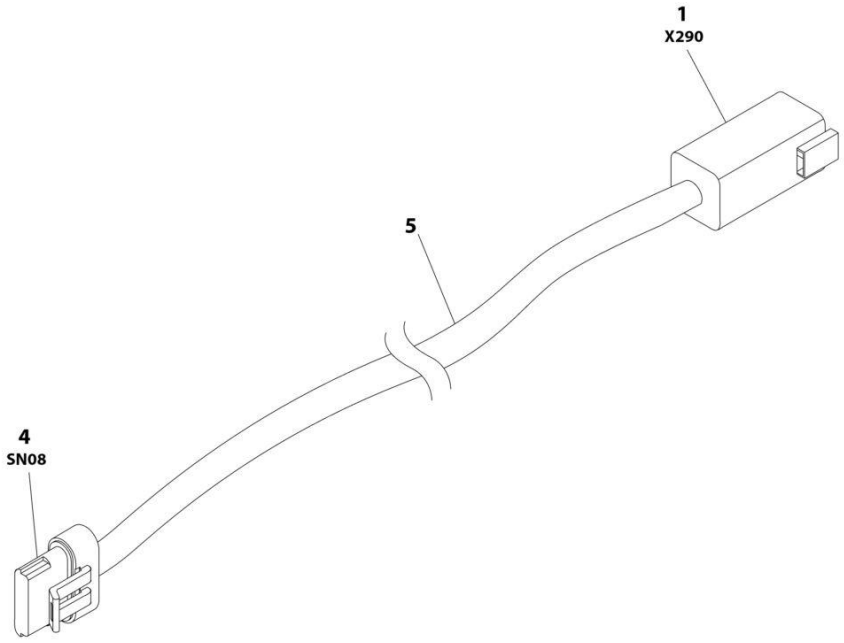


FIGURE 8-34. BOOM CABLES INSTALLATION - WITH 7500W GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120139	Ref	BOOM CABLES INSTALLATION - WITH 7500W GENERATOR	F
3	1001122396	1	Harness, Main Boom Control (See MAIN BOOM CONTROL HARNESS for Breakdown)	
4	1001179216	1	Transport Switch Cable	
5	1001119393	1	Harness, Jib Enable (See JIB ENABLE HARNESS for Breakdown)	
6	1001120100	1	Harness, Main Boom AC/Generator Power **(SN 0300209000 through 0300228821)**	
6	1671092	1	Cover	
6	4460960	1	Connector, Female	
6	1001226289	1	Harness, Main Boom AC/Generator Power **(SN 0300228822 through 0300272505)**	
6	1001218623	1	Connector, Female	
7	1001120101	1	Harness, Jib Boom AC/Generator Power **(SN 0300209000 through 0300228821)**	
7	1671093	1	Cover	
7	4460959	1	Plug, Male	
7	1001226290	1	Harness, Jib Boom AC/Generator Power **(SN 0300228822 through 0300272505)**	
7	1001218622	1	Plug, Male	
8	1001120098	1	Harness, Jib Control (See JIB BOOM CONTROL HARNESS for Breakdown)	
9	1001125666	1	Harness, Platform Dump	
9	4460891	2	Plug, Male - 2 Position	
9	4460942	4	Socket, Female	

FIGURE 8-35. BOOM CYLINDER ANGLE HARNESS

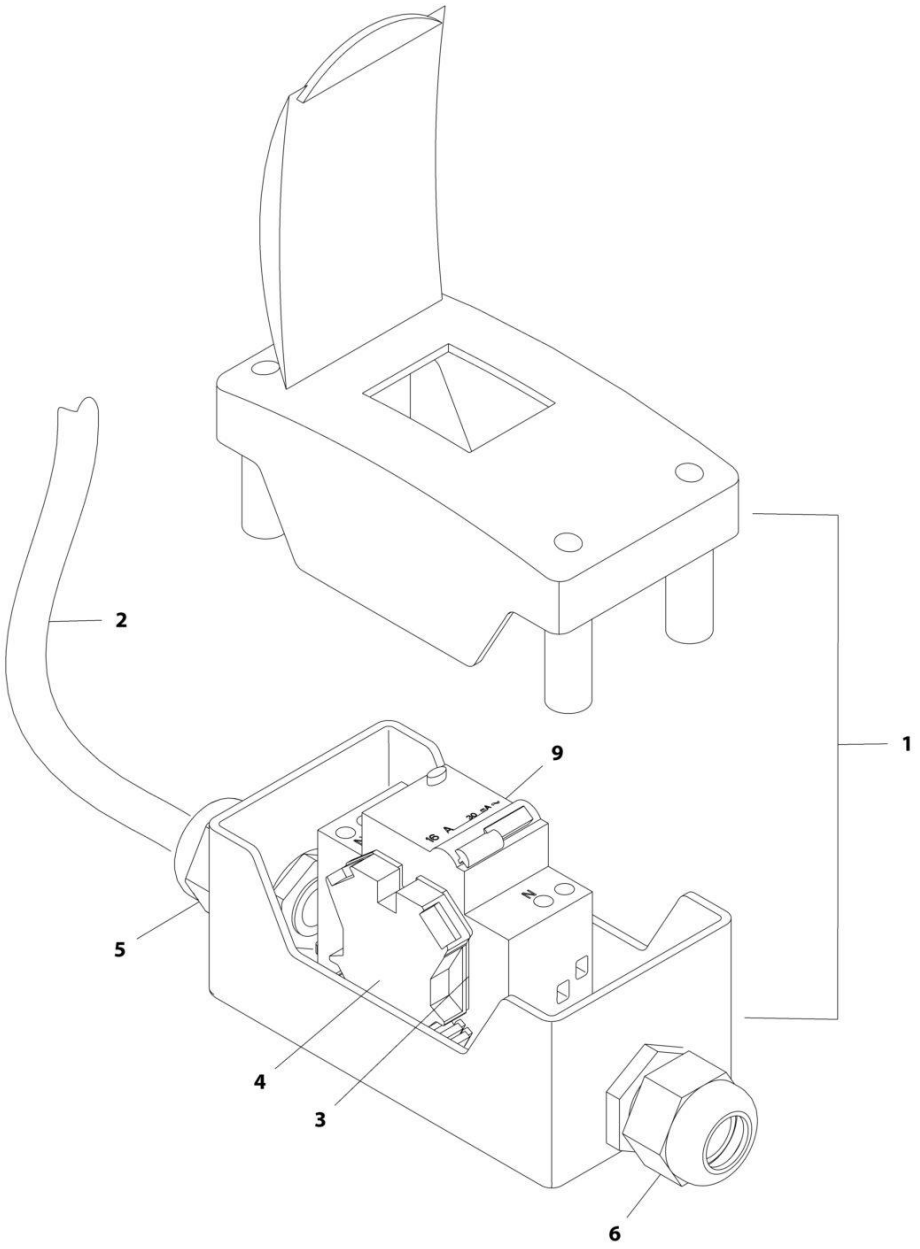


ART_1001120278

FIGURE 8-35. BOOM CYLINDER ANGLE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120278	Ref	BOOM CYLINDER ANGLE HARNESS	D
1	4460899	1	Connector, Female - 6 Position	
1	4460943	6	Pin, Male 16 Ga	
4	1001117064	NLA	Plug, Male - 6 Position (Use p/n 1001230931) **(SN 0300209000 through 0300237757)**	
4	91554014	NLA	Socket, Female (Use p/n 1001116748) **(SN 0300209000 through 0300237757)**	
4	1001230931	1	Plug, Male - 6 Position **(SN 0300237758 through 0300272505)**	
4	1001116748	6	Socket, Female **(SN 0300237758 through 0300272505)**	
5	1060979	10.5 ft/ 4.4m	Cable, Electrical 18/6	

FIGURE 8-36. BREAKER BOX KIT - 16 AMP



ART_1001109654

FIGURE 8-36. BREAKER BOX KIT - 16 AMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001109654	Ref	BREAKER BOX KIT - 16 AMP	B
1	0861880	1	Box, Breaker	
2	1060908	12 ft /3.6m	Cable, Electrical 12/3	
3	4460956	1	Barrier, Terminal Block End	
4	4460957	1	Block, Terminal	
5	1001097150	1	Connector, Strain Relief	
6	1001101191	1	Connector, Strain Relief	
9	1001181045	1	Breaker, Double 30mA/16Amp	

FIGURE 8-37. BREAKER BOX KIT - 16 AMP (4000W GENERATOR)

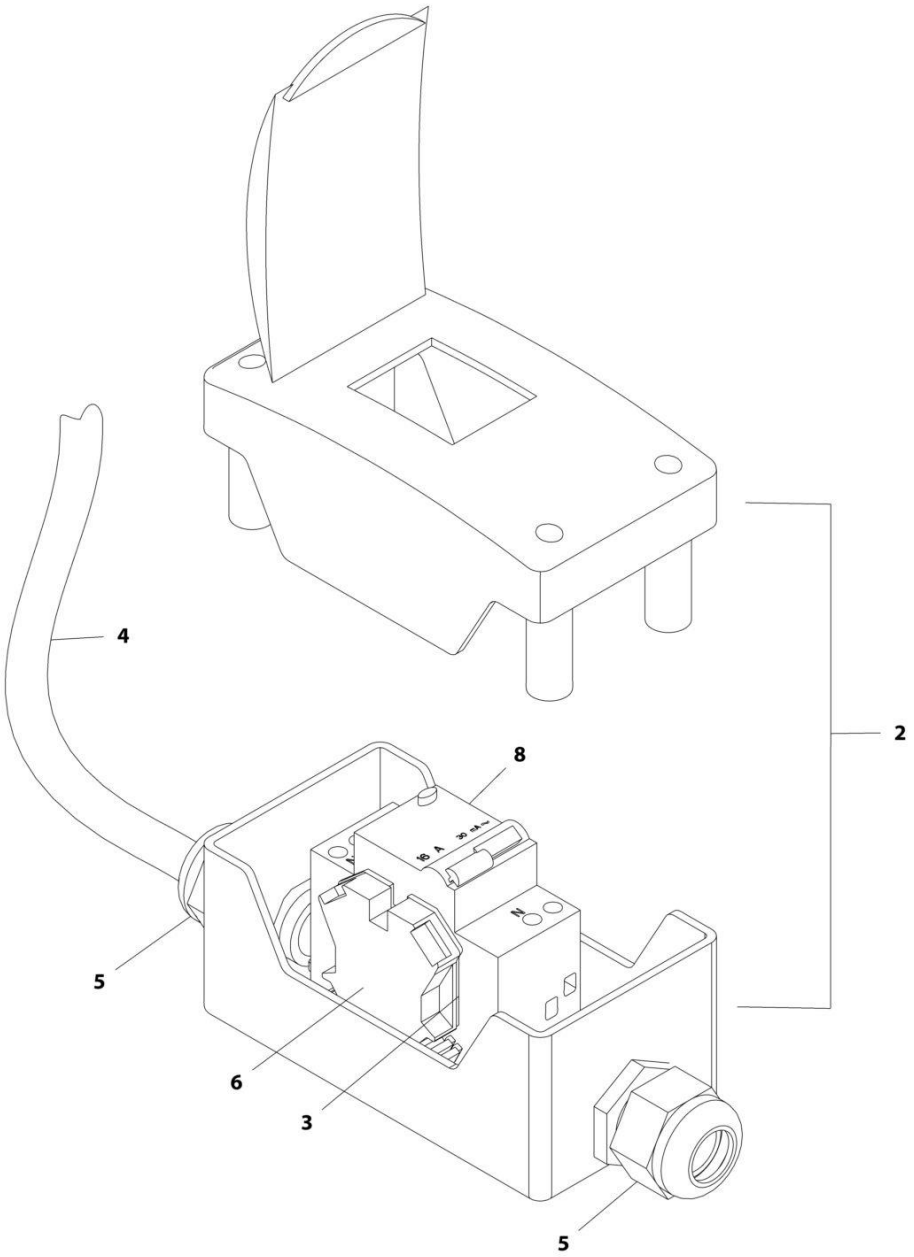
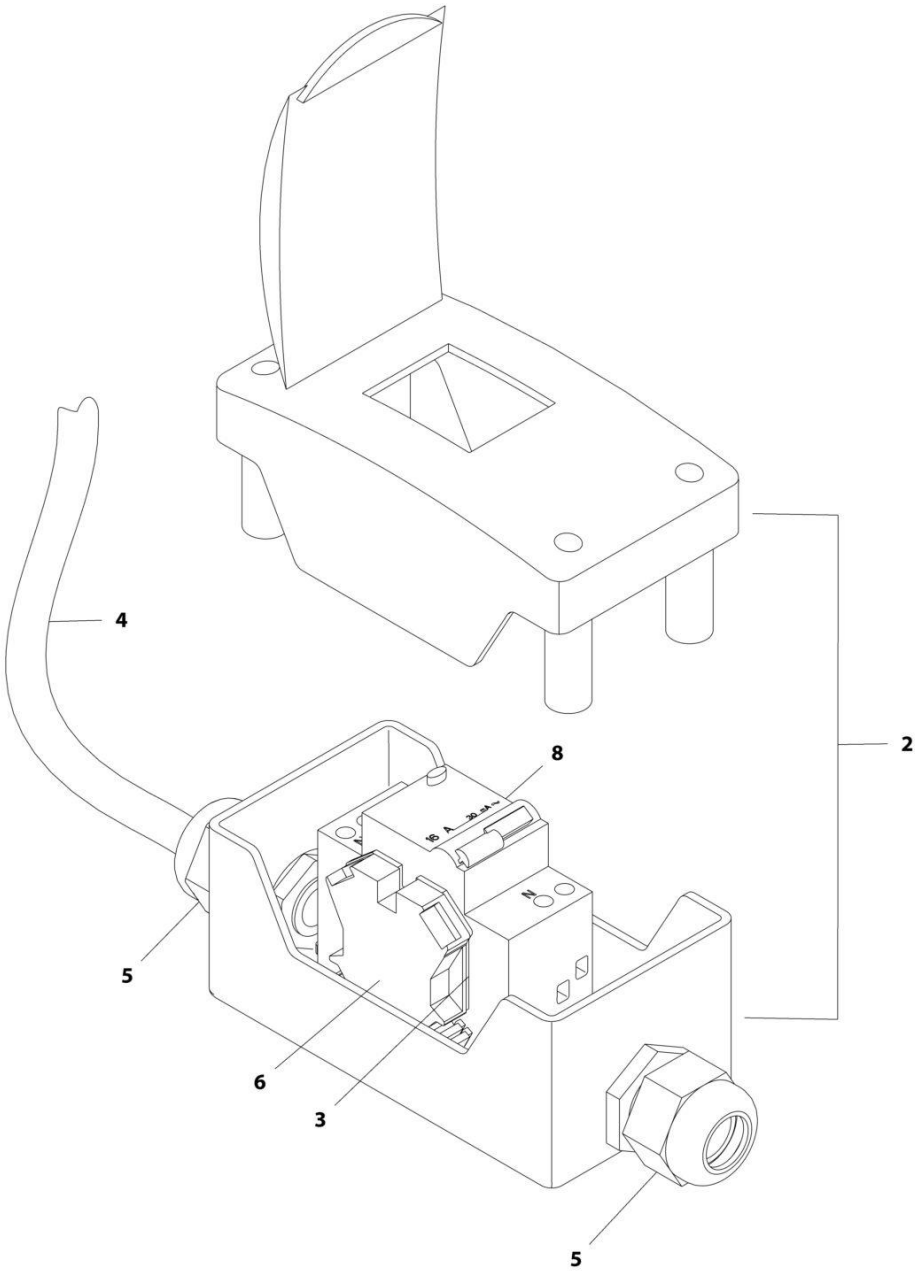


FIGURE 8-37. BREAKER BOX KIT - 16 AMP (4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165368	Ref	BREAKER BOX KIT - 16 AMP (4000W GENERATOR)	B
2	0861880	1	Box, Circuit Breaker	
3	4460956	1	Barrier, Terminal Block End	
4	1060545	12 ft /3.6m	Cable, Electrical 10/3	
5	1001101191	2	Connector, Strain Relief	
6	4460957	1	Block, Terminal	
8	1001181045	1	Breaker, Double 30mA/16Amp	

FIGURE 8-38. BREAKER BOX KIT - 16 AMP/30MA



ART_1001096070

FIGURE 8-38. BREAKER BOX KIT - 16 AMP/30MA

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096070	Ref	BREAKER BOX KIT - 16 AMP/30mA	E
2	0861880	1	Box, Breaker	
3	4460956	1	Barrier, Terminal Block End	
4	1060908	12 ft/3.6m	Cable, Electrical 12/3	
5	1001097150	2	Connector, Strain Relief	
6	4460957	1	Block, Terminal	
8	1001181045	1	Breaker, Double 16Amp/30mA	

FIGURE 8-39. CHASSIS HARNESS ASSEMBLY

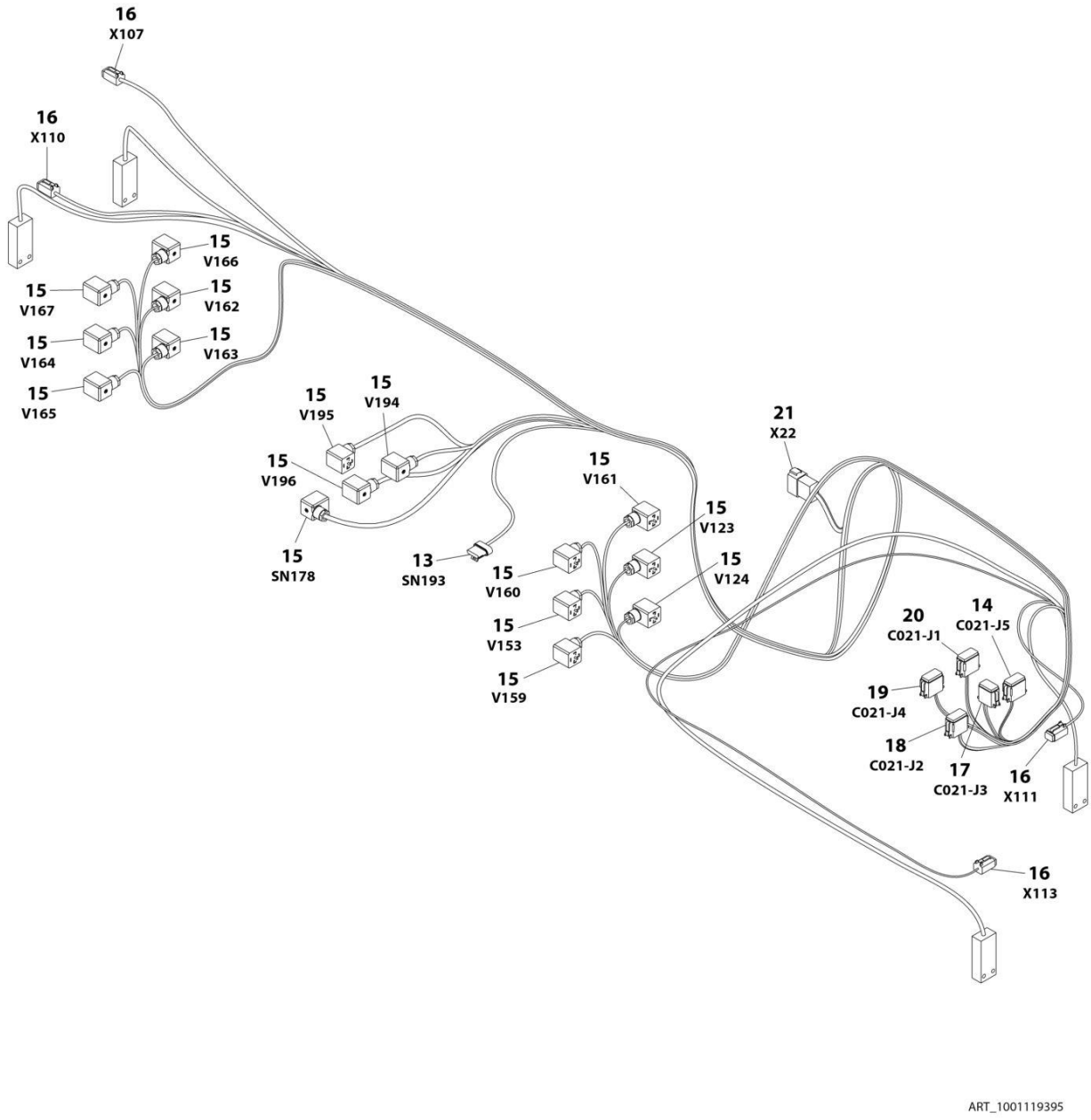


FIGURE 8-39. CHASSIS HARNESS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119395	Ref	CHASSIS HARNESS ASSEMBLY	C
13	1001117064	NLA	Plug, Male - 6 Position (Use p/n 1001230931) **(SN 0300209000 through 0300237552)**	
13	1001230931	1	Plug, Male - 6 Position **(SN 0300237553 through 0300272505)**	
13	1001116748	6	Socket, Female	
14	4460836	1	Plug, Male - 12 Position	
14	4460465	9	Socket, Female 18 Gauge	
15	4460880	16	DIN Connector	
16	4460884	4	Connector, Gray - 4 Position	
16	4460944	16	Socket, Female (Gold)	
17	4460930	1	Connector, Gray - 8 Position	
17	4460465	4	Socket, Female	
18	4460933	1	Connector, Male - 12 Position (Gray)	
18	4460465	4	Socket, Female	
18	4460944	3	Socket, Female (Gold)	
18	4460942	2	Socket, Female	
19	4460934	1	Plug, Male - 12 Position (Green)	
19	4460944	12	Socket, Female (Gold)	
20	4460935	1	Plug, Male - 12 Position (Brown)	
20	4460465	10	Socket, Female 18 Gauge	
21	4460950	1	Connector, Female - 12 Position	
21	4460464	4	Pin, Male	
21	4460943	3	Pin, Male 16 Ga	
21	4460941	2	Pin, Male	

FIGURE 8-40. ENGINE HARNESS - DEUTZ TD2011 ENGINES

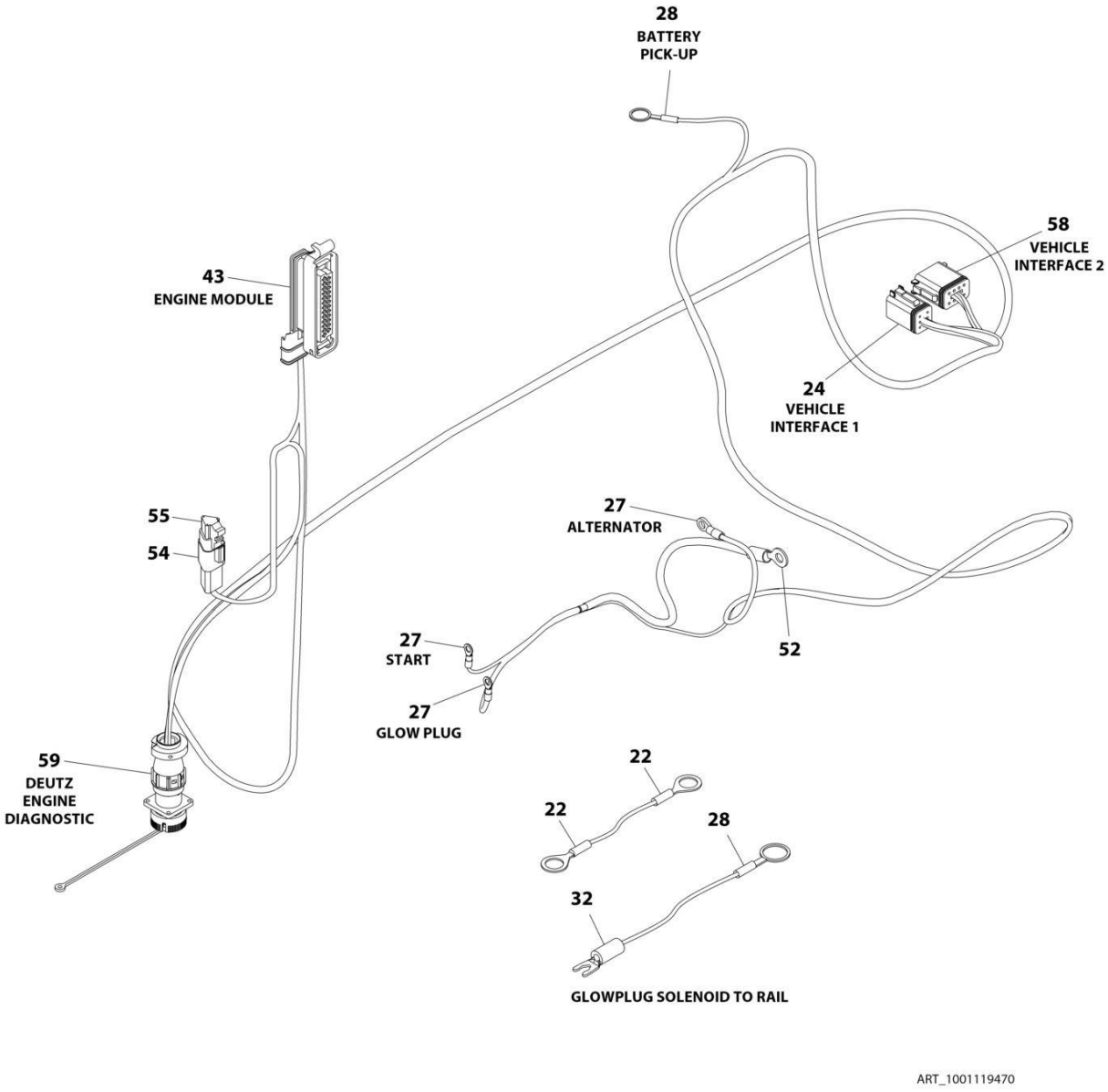


FIGURE 8-40. ENGINE HARNESS - DEUTZ TD2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119470	Ref	ENGINE HARNESS - DEUTZ TD2011 ENGINES	B
22	4460702	2	Terminal, Ring	
24	4460894	1	Connector - 6 Position	
24	4460465	2	Socket, Female	
24	4460466	1	Plug, Terminal	
24	4460944	3	Socket, Female	
27	4460313	3	Terminal, Ring	
28	4460019	2	Terminal, Ring	
32	4460315	1	Terminal, Fork	
43	4461052	1	Connector - 25 Position	
43	4461005	5	Terminal	
43	4461006	5	Seal	
43	4461060	2	Terminal (Tin)	
43	4461054	2	Seal, Terminal	
43	4461008	18	Plug, Hole	
43	4461053	1	Cover, Plug	
50	4240032	AR	Tie-Strap (Not Shown)	
51	4240033	AR	Tie-Strap (Not Shown)	
52	4461097	1	Terminal, Ring	
54	4461095	1	Connector - 3 Position	
54	4460944	3	Socket, Female	
55	4461070	1	Connector with Resistor (3 Position)	
58	4460930	1	Connector - 8 Position	
58	4460465	2	Socket, Female	
58	4460466	6	Seal, Plug	
59	2902443	1	Kit, Receptacle	
59	4461071	8	Terminal, Female (Gold)	
59	4461072	1	Connector, Flange Mount	
59	4461073	1	Connector, Dust Cap	
59	4461074	1	Connector, Shell	

FIGURE 8-41. ENGINE HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

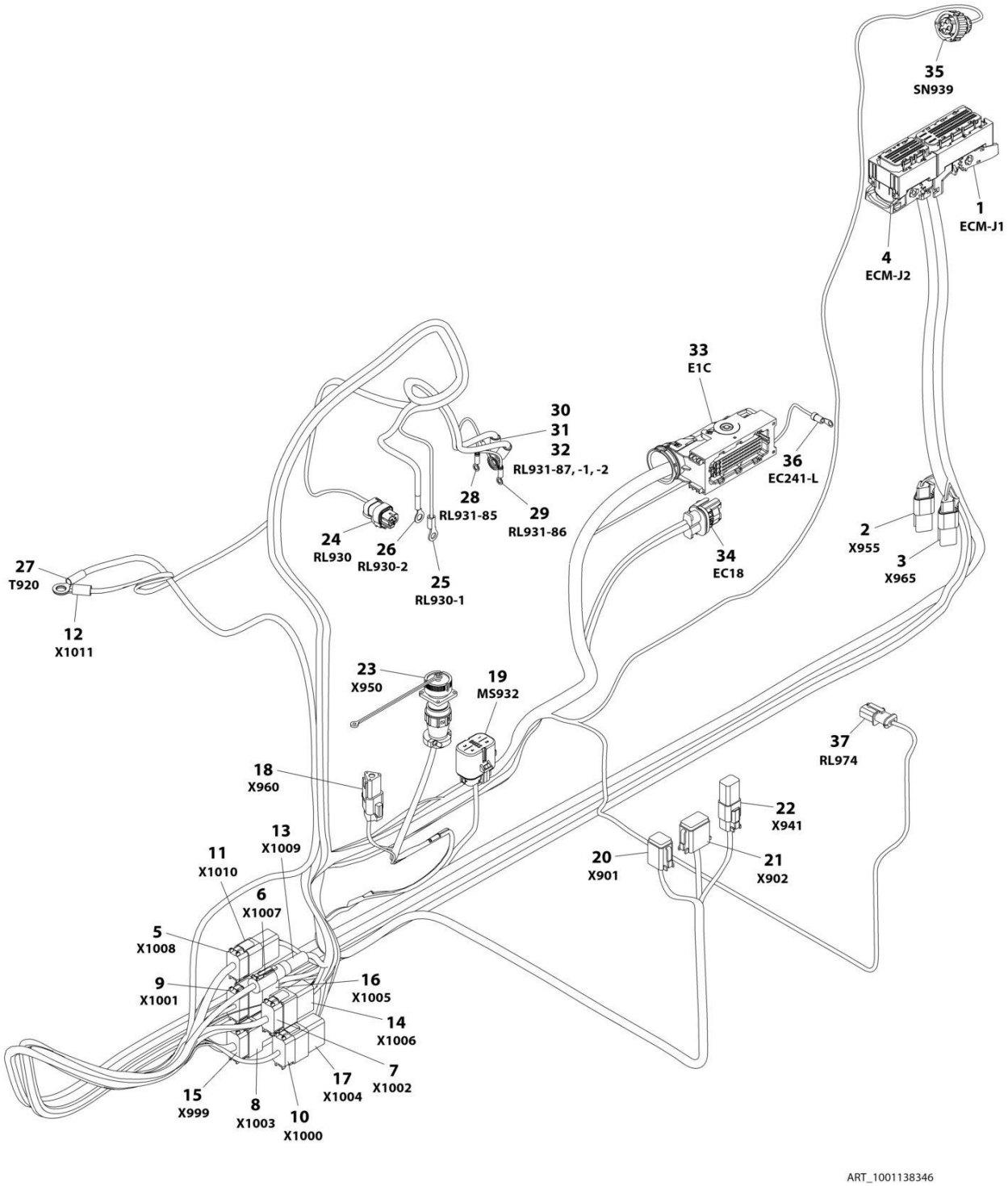


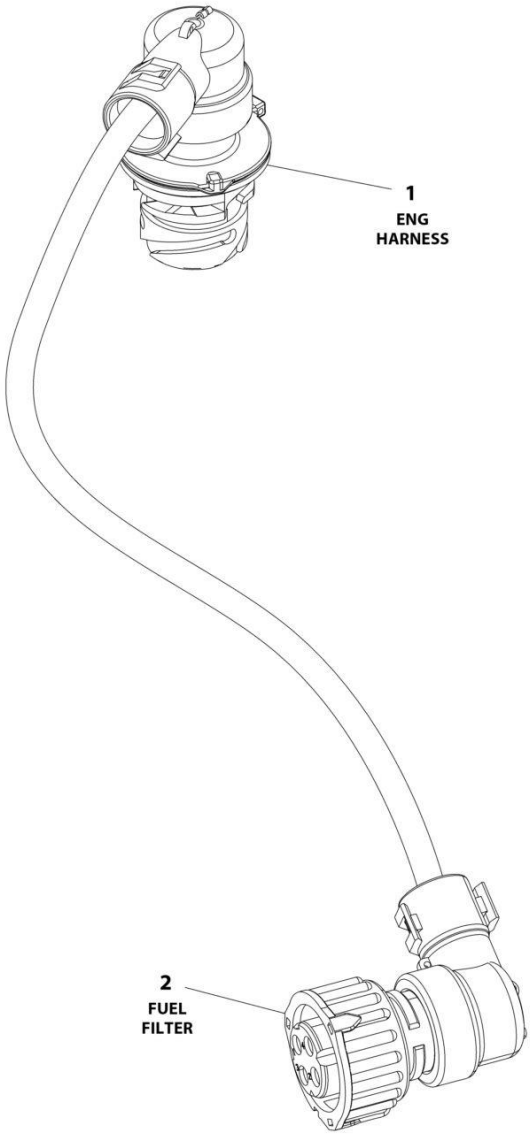
FIGURE 8-41. ENGINE HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001138346	Ref	ENGINE HARNESS - DEUTZ TCD2.9L4 ENGINES	G
1	1001133956	1	Connector (Includes Cover, Locks and Retention Plate)	
1	1001126352	6	Terminal	
1	1001126384	19	Terminal	
1	1001126351	1	Terminal	
1	1001126357	3	Plug, Seal	
1	1001126356	65	Plug, Seal	
2	4461070	1	Connector with Resistor (3 Position)	
2	4461095	1	Connector - 3 Position	
2	4460944	2	Socket, Female	
2	4460466	1	Seal, Plug	
3	4461070	1	Connector with Resistor (3 Position)	
3	4461095	1	Connector - 3 Position	
3	4460944	2	Socket, Female	
3	4460466	1	Seal, Plug	
4	1001133957	1	Connector (Includes Cover, Locks and Retention Plate)	
4	1001126351	13	Terminal	
4	1001126384	17	Terminal	
4	1001126356	19	Plug, Seal	
4	1001126357	11	Plug, Seal	
5	4460930	1	Connector - 8 Position	
5	4460944	5	Socket, Female (Gold)	
5	4460465	2	Socket, Female	
5	4460466	1	Seal, Plug	
6	1001116707	1	Connector - 1 Position	
6	91143340	1	Terminal	
7	4460935	1	Plug, Brown - 12 Position	
7	4460465	12	Socket, Female	
8	4460970	1	Connector - 12 Position	
8	4460941	12	Pin, Male	
9	4460934	1	Connector, Green - 12 Position	
9	4460465	10	Socket, Female	
9	4460466	2	Seal, Plug	
10	4460836	1	Connector, Black - 12 Position	
10	4460465	8	Socket, Female	
10	4460466	4	Seal, Plug	
11	4460931	1	Connector - 8 Position (Gray)	
11	4460943	5	Pin, Male (Gold)	
11	4460466	3	Plug, Socket	
12	8220164	1	Terminal, Ring	
13	1001116967	1	Connector - 1 Position	
13	91143339	1	Terminal	
14	4460982	1	Connector - 12 Position	
14	4460464	12	Pin, Male	
15	4460933	1	Connector, Gray - 12 Position	
15	4460942	12	Socket, Female	
16	1001152742	1	Connector - 12 Position	
16	4460464	10	Pin, Male	
16	4460466	2	Seal, Plug	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	4460950	1	Connector - 12 Position	
17	4460464	8	Pin, Male	
17	4460466	4	Plug, Seal	
18	4461070	1	Connector with Resistor (3 Position)	
18	4461095	1	Connector - 3 Position	
18	4460944	2	Socket, Female	
18	4460466	1	Seal, Plug	
19	80484084	1	Connector - 8 Position	
19	8229242	1	Fuse - 5A	
19	80983191	1	Fuse - 10A	
19	1001147264	1	Cap	
19	1001116728	4	Plug	
19	4460458	4	Seal	
20	4460894	1	Connector - 6 Position	
20	4460465	3	Socket, Female	
20	4460944	2	Socket, Female	
20	4460466	1	Seal, Plug	
21	4460930	1	Connector - 8 Position	
21	4460465	1	Socket, Female	
21	4460466	7	Plug, Seal	
22	4460884	1	Connector - 4 Position **(SN 0300209000 through 0300224866)**	
22	1001220379	1	Connector - 4 Position **(SN 0300224867 through 0300272505)**	
22	4460465	2	Socket, Female	
22	4460942	2	Socket, Female	
22	4460932	1	Connector - 4 Position	
22	4460466	4	Seal, Plug	
23	2902443	1	Kit, Receptacle	
23	4461071	8	Terminal, Female (Gold)	
23	4461072	1	Connector, Flange Mount	
23	4461073	1	Connector, Dust Cap	
23	4461074	1	Connector, Shell	
24	1001116952	1	Connector - 2 Position	
24	4460465	2	Socket, Female	
25	4460043	1	Terminal, Ring	
26	1001117106	1	Terminal, Ring	
27	4460019	1	Terminal, Ring	
28	4460247	1	Terminal, Ring	
29	4460247	1	Terminal, Ring	
30	1001117107	1	Terminal, Ring	
31	1001117107	1	Terminal, Ring	
32	4460703	1	Terminal, Ring	
33	1001126362	1	Connector - 62 Position	
33	1001126363	33	Terminal	
33	1001126364	33	Seal	
33	1001126391	23	Plug	
33	4461008	4	Plug, Cavity	
33	1001126365	2	Terminal	
33	4461054	2	Seal	
34	1001142938	1	Connector - 2 Position	
34	1001142940	2	Terminal, Female	
34	1001142941	2	Seal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
35	1001133714	1	Connector - 4 Position	
35	1001133715	3	Terminal, Female	
35	1001135650	1	Seal	
35	1001135651	1	Plug, Cavity	
36	4460042	1	Terminal, Ring	
37	1001138110	1	Connector - 2 Position	
37	1001138111	2	Socket, Female	
37	1001138113	2	Seal	

FIGURE 8-42. FUEL FILTER HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES



ART_1001148843

FIGURE 8-42. FUEL FILTER HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148843	Ref	FUEL FILTER HARNESS - DEUTZ TCD2.9L4 ENGINES	A
1	1001148842	1	Connector - 4 Position	
1	1001148841	4	Pin, Male	
1	1001135650	4	Seal	
2	1001133714	1	Plug, Male - 4 Position	
2	1001133715	4	Socket, Female	
2	1001135650	4	Seal	

FIGURE 8-43. FUEL HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

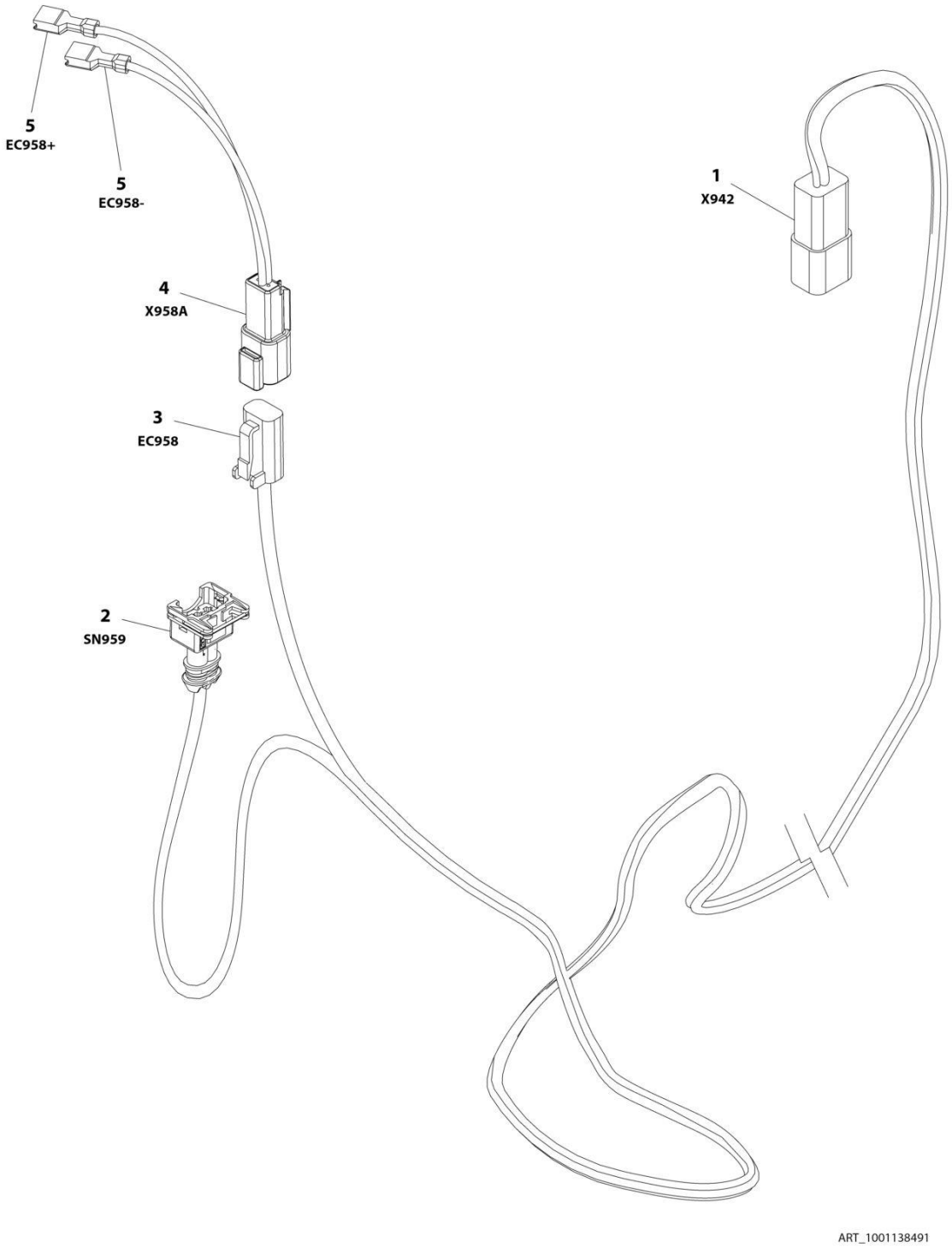


FIGURE 8-43. FUEL HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001138491	Ref	FUEL HARNESS - DEUTZ TCD2.9L4 ENGINES	D
1	4460932	1	Connector - 4 Position	
1	4460464	2	Pin, Male	
1	4460941	2	Pin, Male	
2	1001116983	1	Connector - 2 Position	
2	1001116710	2	Socket, Female	
2	4461054	2	Seal	
3	4460891	1	Connector - 2 Position	
3	4460942	2	Socket, Female	
4	4460897	1	Connector - 2 Position	
4	4460941	2	Pin, Male	
5	4460042	2	Terminal, Ring **(SN 0300209000 through 0300234714)**	
5	8220051	2	Coupler, Female **(SN 0300234715 through 0300272505)**	

FIGURE 8-44. GENERATOR HARNESS - 4000W GENERATOR

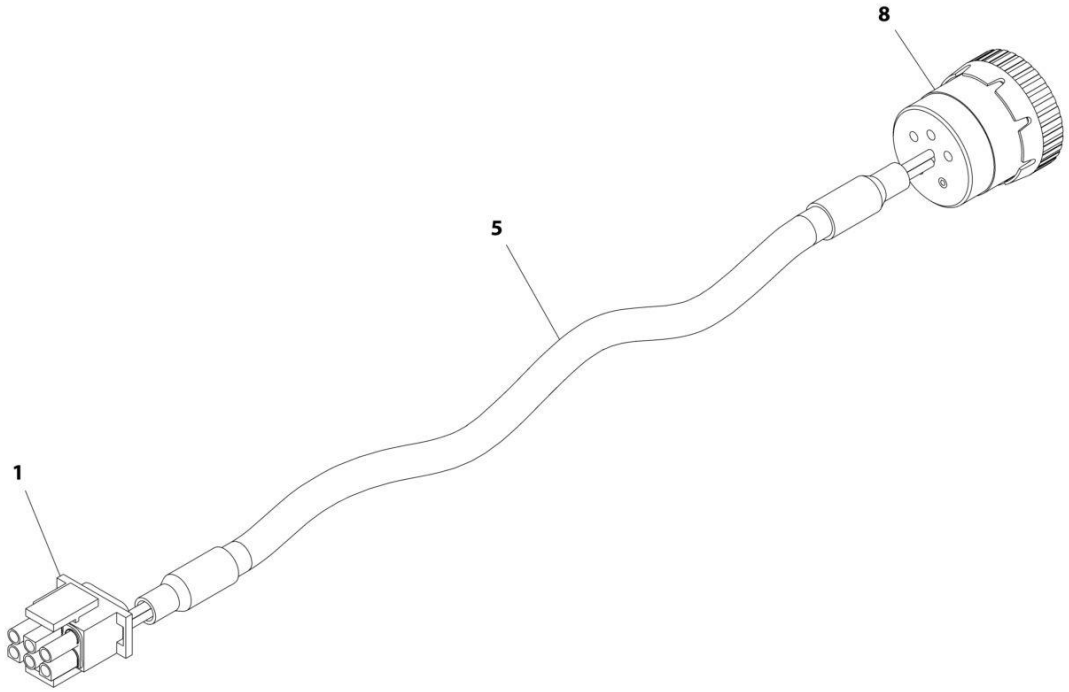


FIGURE 8-44. GENERATOR HARNESS - 4000W GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152533	Ref	GENERATOR HARNESS - 4000W GENERATOR	A
1	4460225	1	Connector - 6 Position	
1	4460268	2	Socket, Female	
1	4460807	1	Seal, Plug	
1	4460808	1	Seal, Plug	
5	1060341	8 ft /2.4m	Cable, 16/2	
8	77363233	1	Connector - 6 Position	
8	4460465	2	Socket, Female	

FIGURE 8-45. GENERATOR HARNESS - 7500W GENERATOR

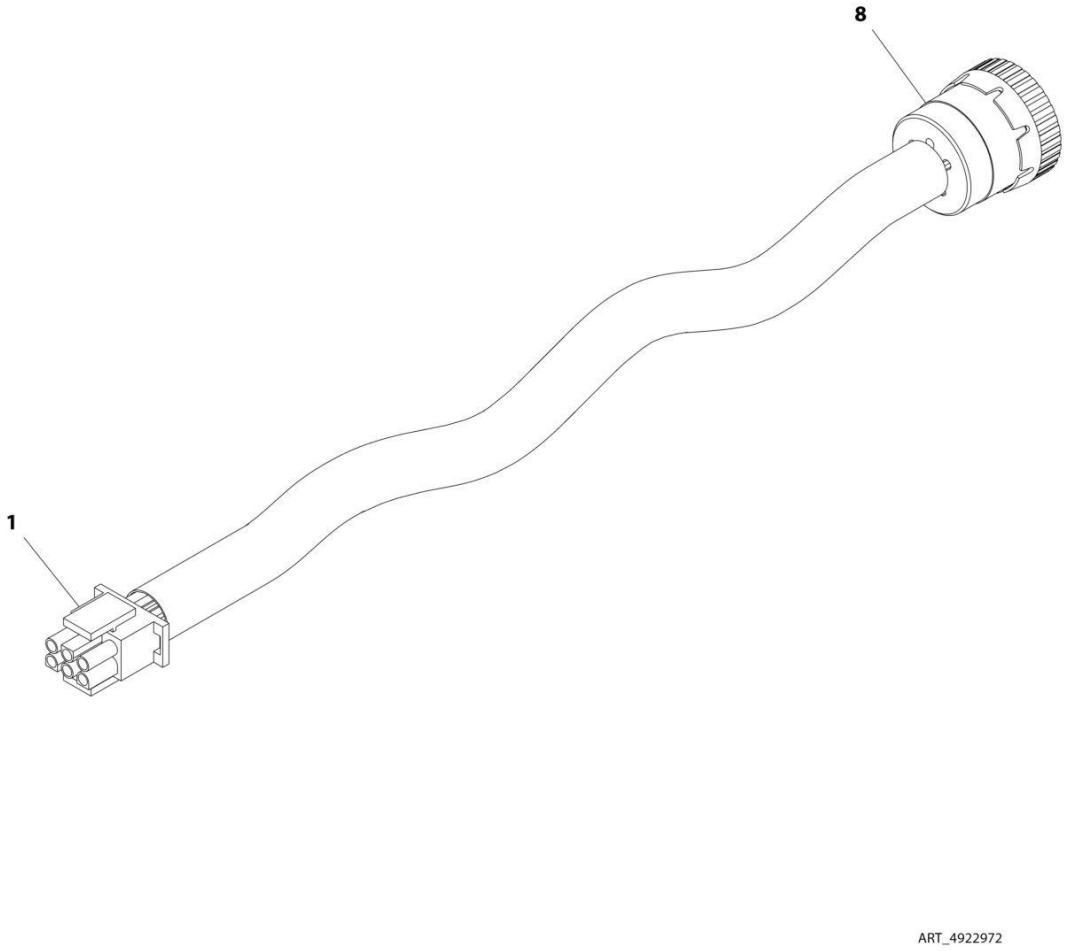
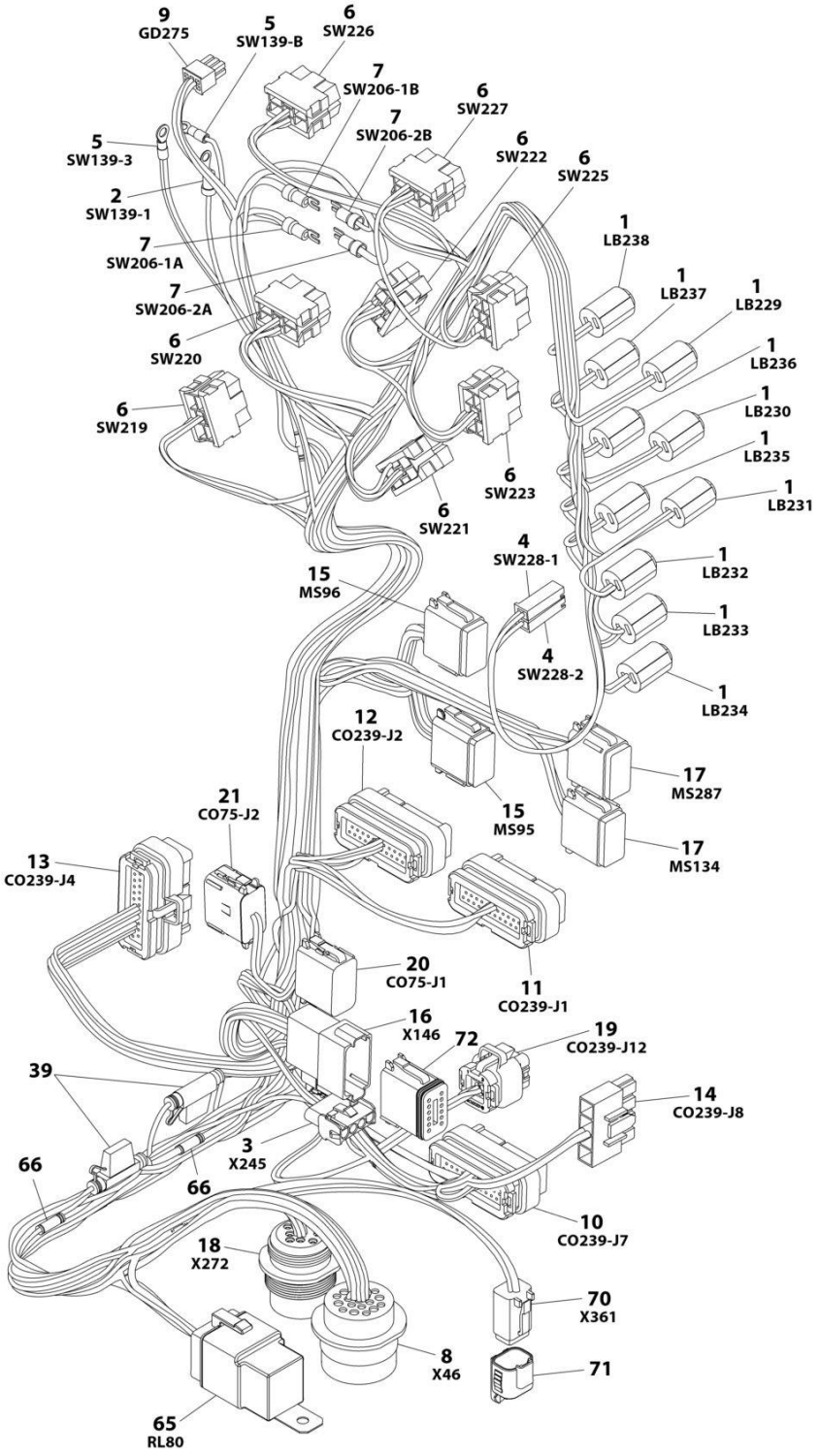


FIGURE 8-45. GENERATOR HARNESS - 7500W GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922972	Ref	GENERATOR HARNESS - 7500W GENERATOR	C
1	4460225	1	Connector - 6 Position	
1	4460268	6	Socket, Female	
1	4460807	1	Seal, Plug	
1	4460808	1	Seal, Plug	
8	77363233	1	Connector - 6 Position	
8	4460465	2	Socket, Female	

FIGURE 8-46. GROUND CONTROL BOX HARNESS ASSEMBLY (ALL SPECS EXCEPT CE SPECS)



ART_1001119652

FIGURE 8-46. GROUND CONTROL BOX HARNESS ASSEMBLY (ALL SPECS EXCEPT CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119652	Ref	GROUND CONTROL BOX HARNESS ASSEMBLY (ALL SPECS EXCEPT CE SPECS)	J
1	4120035	10	Base, Light	
1	4460634	10	Terminal (16 Gauge)	
1	4460635	20	Terminal (12 Gauge)	
2	4460042	1	Terminal, Ring	
3	4460761	1	Connector - 4 Position	
3	4460227	4	Pin, Male	
4	4460260	2	Terminal, Housing	
4	4460259	2	Terminal	
5	4460313	2	Terminal, Ring	
6	4460418	8	Connector - 6 Position	
6	4460419	24	Socket, Female	
7	4460806	4	Terminal, Fork	
8	4460866	1	Connector - 19 Position	
8	4460464	11	Pin, Male	
8	4460508	4	Pin, Male Deutsch 12 Ga	
9	4460868	1	Connector - 6 Pin	
9	4460877	4	Socket, Female	
10	4460873	1	Connector - 35 Position (Black)	
10	4460871	20	Socket, Female	
11	4460874	1	Connector - 35 Position (Natural)	
11	4460871	5	Socket, Female	
12	4460875	1	Connector, Gray - 35 Position	
12	4460871	7	Socket, Female	
13	4460876	1	Connector - 35 Position (Blue)	
13	4460871	29	Socket, Female	
14	4460878	1	Connector - 4 Position	
14	4460877	2	Socket, Female	
15	4460836	2	Connector - 12 Position	
15	4460465	12	Socket, Female	
16	4460970	1	Connector - 12 Position	
16	4460464	10	Pin, Male	
17	4460933	2	Connector, Male - 12 Position (Gray)	
17	4460871	13	Socket, Female	
18	1001112612	1	Connector, Diagnostic	
18	4460464	6	Pin, Male	
19	1001113961	1	Connector - 8 Position	
19	4460871	5	Socket, Female	
20	1001116774	1	Connector - 12 Position	
20	4460928	4	Socket, Female	
21	4460908	1	Connector - 12 Position **(SN 0300209000 through 0300232593)**	
21	4460918	3	Socket, Female (Gold)	
21	1001116808	1	Connector - 12 Position **(SN 0300232594 through 0300272505)**	
21	4460918	3	Socket, Female (Gold)	
34	4460905	71	Seal, Plug (Not Shown)	
39	2400060	2	Fuseholder	
39	2400064	2	Fuse - 5Amp	
65	1001117025	1	Relay with Connector	
65	3740080	1	Relay, Sealed	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
65	4460374	1	Plug, Sealed	
65	4460375	4	Terminal, Female	
66	3990001	2	Diode - 3Amp	
70	4460884	1	Connector, Gray - 4 Position	
70	4460465	4	Socket, Female	
71	1001192401	1	Connector, Dust Cap	
72	4460933	1	Connector, Male - 12 Position (Gray)	
72	4460465	6	Socket, Female	
72	4460942	4	Socket, Female	

FIGURE 8-47. GROUND CONTROL BOX HARNESS ASSEMBLY (CE SPECS)

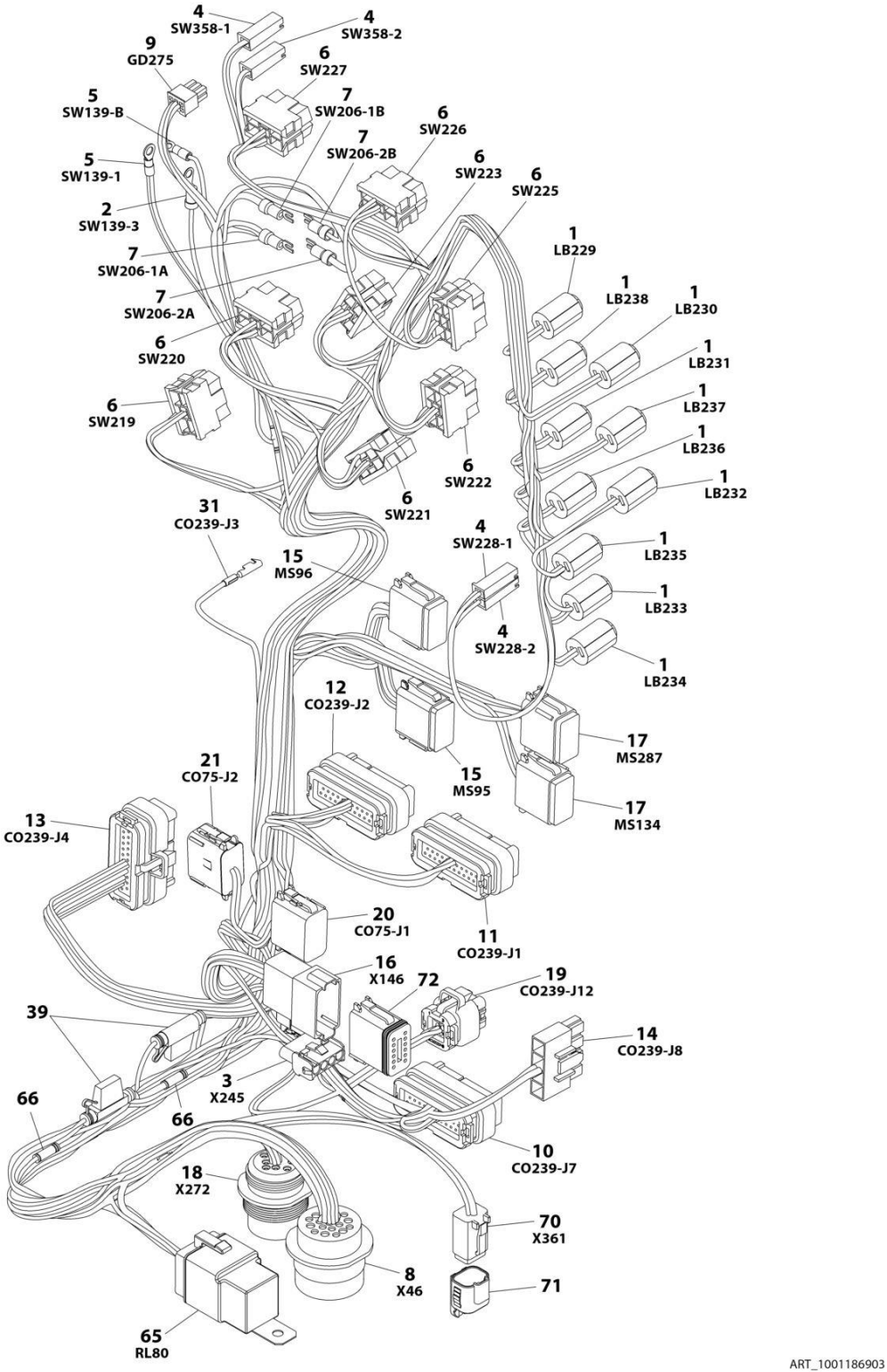


FIGURE 8-47. GROUND CONTROL BOX HARNESS ASSEMBLY (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186903	Ref	GROUND CONTROL BOX HARNESS ASSEMBLY (CE SPECS)	C
1	4120035	10	Base, Light	
1	4460634	10	Terminal (16 Gauge)	
1	4460635	20	Terminal (12 Gauge)	
2	4460042	1	Terminal, Ring	
3	4460761	1	Connector - 4 Position	
3	4460227	4	Pin, Male	
4	4460260	4	Terminal, Housing	
4	4460259	4	Terminal	
5	4460313	2	Terminal, Ring	
6	4460418	8	Connector - 6 Position	
6	4460419	32	Socket, Female	
7	4460806	4	Terminal, Fork	
8	4460866	1	Connector - 19 Position	
8	4460464	11	Pin, Male	
8	4460508	4	Pin, Male Deutsch 12 Ga	
9	4460868	1	Connector - 6 Pin	
9	4460877	4	Socket, Female	
10	4460873	1	Connector - 35 Position (Black)	
10	4460871	20	Socket, Female	
11	4460874	1	Connector - 35 Position (Natural)	
11	4460871	5	Socket, Female	
11	4460905	1	Seal, Plug	
12	4460875	1	Connector, Gray - 35 Position	
12	4460871	7	Socket, Female	
13	4460876	1	Connector - 35 Position (Blue)	
13	4460871	29	Socket, Female	
14	4460878	1	Connector - 4 Position	
14	4460877	2	Socket, Female	
15	4460836	2	Connector - 12 Position	
15	4460465	12	Socket, Female	
16	4460970	1	Connector - 12 Position	
16	4460464	10	Pin, Male	
17	4460933	2	Connector, Male - 12 Position (Gray)	
17	4460871	13	Socket, Female	
18	1001112612	1	Connector, Diagnostic	
18	4460464	6	Pin, Male	
19	1001113961	1	Connector - 8 Position	
19	4460871	5	Socket, Female	
19	4460905	1	Seal, Plug	
20	1001116774	1	Connector - 12 Position	
20	4460928	2	Socket, Female	
20	4460918	2	Socket, Female (Gold)	
21	4460908	1	Connector - 12 Position **(SN 0300209000 through 0300249765)**	
21	1001116808	1	Connector - 12 Position **(SN 0300249766 through 0300272505)**	
21	4460918	3	Socket, Female (Gold)	
31	4460871	5	Socket, Female	
34	4460905	71	Seal, Plug (Not Shown)	
39	2400060	2	Fuseholder	
39	2400064	2	Fuse - 5Amp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
65	1001117025	1	Relay with Connector	
65	3740080	1	Relay, Sealed	
65	4460374	1	Plug, Sealed	
65	4460375	4	Terminal, Female	
66	3990001	2	Diode - 3Amp	
70	4460884	1	Connector, Gray - 4 Position	
70	4460465	4	Socket, Female	
71	1001192401	1	Connector, Dust Cap	
72	4460933	1	Connector, Male - 12 Position (Gray)	
72	4460465	6	Socket, Female	
72	4460942	4	Socket, Female	

FIGURE 8-48. INTERFACE HARNESS - WITH 1 CELL LSS

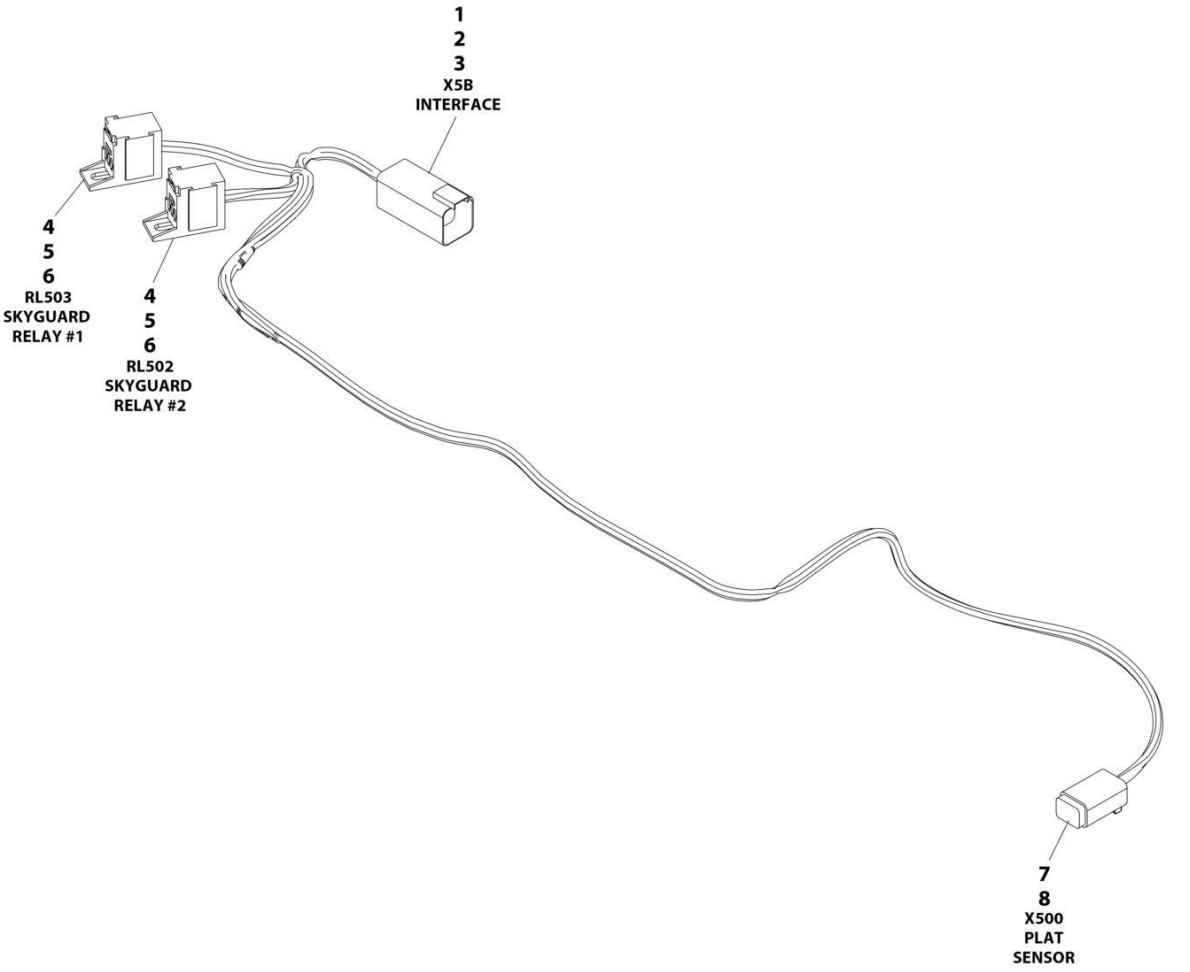


FIGURE 8-48. INTERFACE HARNESS - WITH 1 CELL LSS

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

FIGURE 8-49. JIB BOOM CONTROL HARNESS

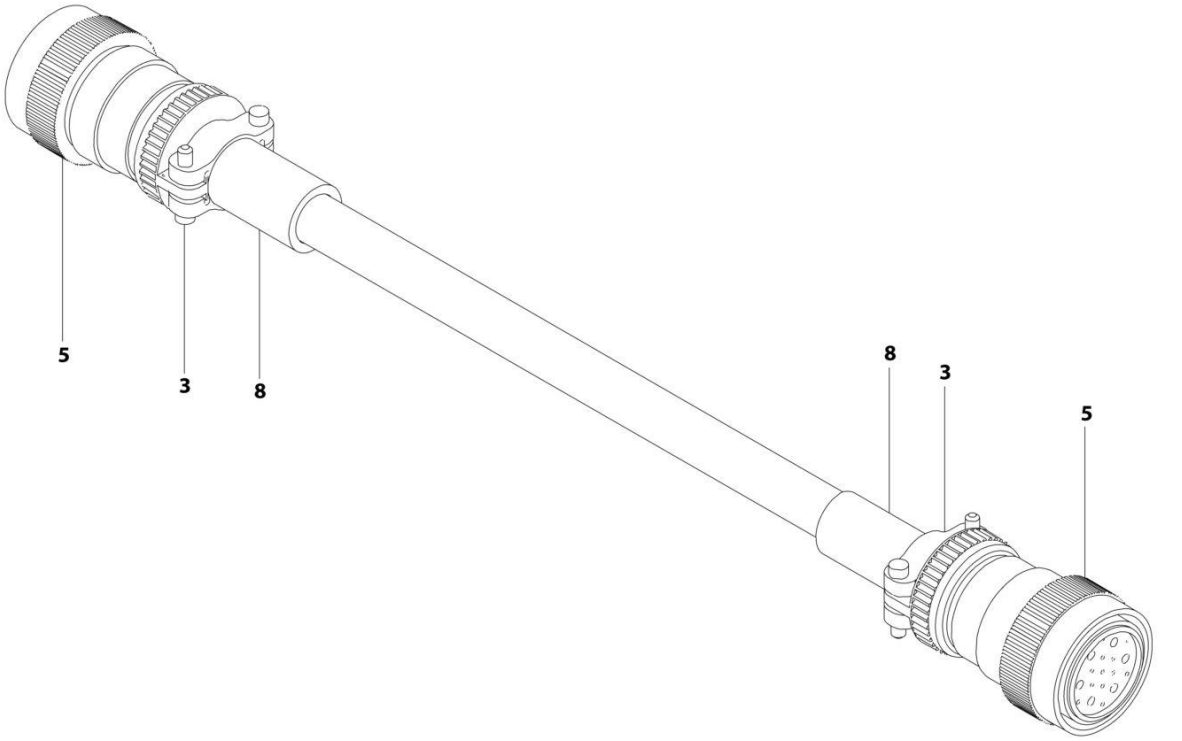


FIGURE 8-49. JIB BOOM CONTROL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120098	Ref	JIB BOOM CONTROL HARNESS	D
3	4460473	2	Clamp	
5	4460865	2	Connector - 19 Position	
5	4460509	8	Socket, Female	
5	4460465	22	Socket, Female	
5	4460466	8	Plug, Socket	
8	1001226400	2	Heat Shrink	

FIGURE 8-50. JIB ENABLE HARNESS

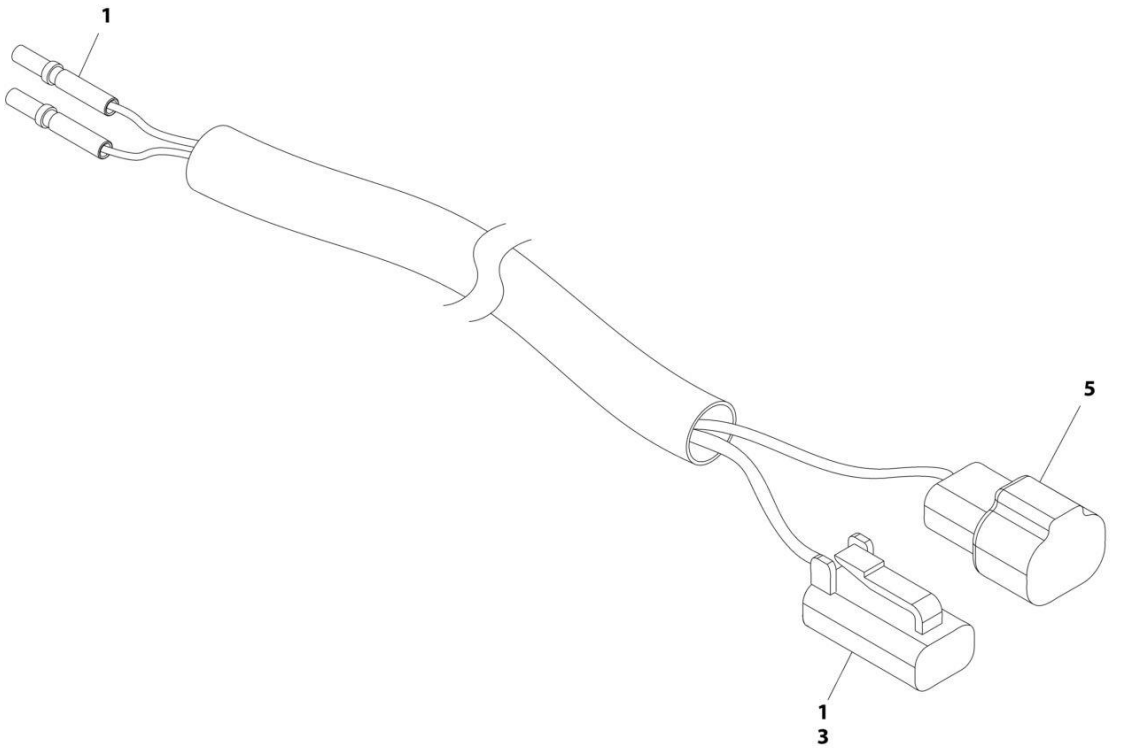


FIGURE 8-50. JIB ENABLE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119393	Ref	JIB ENABLE HARNESS	D
1	4460942	4	Socket, Female	
3	4460891	1	Plug, Male - 2 Position	
3	4460942	2	Socket, Female	
5	4460897	1	Plug, Male - 2 Position (Includes Wedge Lock and Seal)	
5	4460941	2	Pin, Male	

FIGURE 8-51. JIB VALVE HARNESS

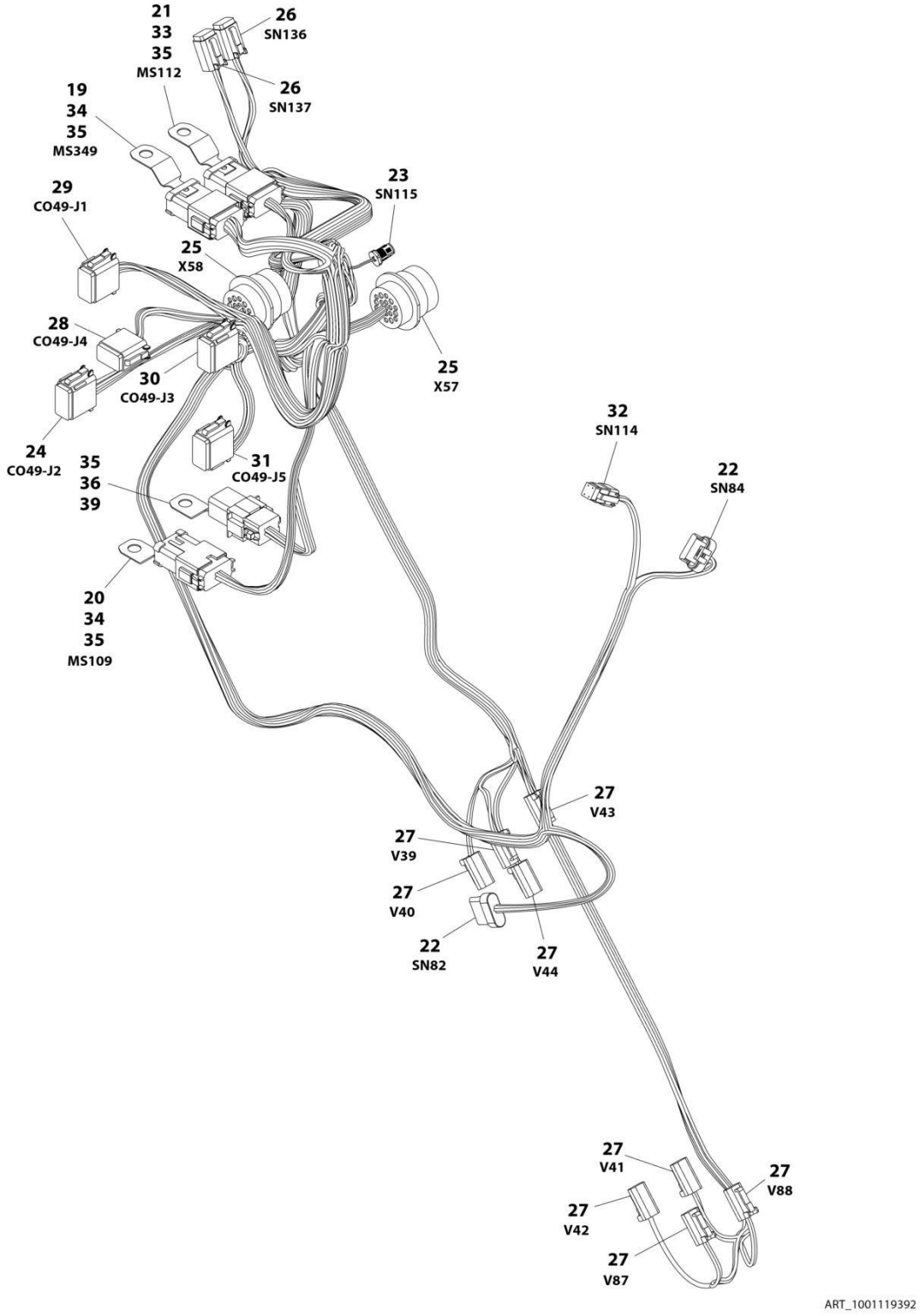


FIGURE 8-51. JIB VALVE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119392	Ref	JIB VALVE HARNESS	J
19	4460933	1	Connector, Male - 12 Position (Gray)	
19	4460465	9	Socket, Female	
20	4460933	1	Connector, Male - 12 Position (Gray)	
20	4460944	8	Socket, Female (Gold)	
21	4460933	1	Connector, Male - 12 Position (Gray)	
21	4460465	2	Socket, Female	
21	4460942	2	Socket, Female	
21	1001157890	8	Socket, Female	
22	1001117064	NLA	Plug, Male - 6 Position (Use p/n 1001230931) **(SN 0300209000 through 0300237757)**	
22	91554014	NLA	Socket, Female (Use p/n 1001116748) **(SN 0300209000 through 0300237757)**	
22	1001230931	2	Plug, Male - 6 Position **(SN 0300237758 through 0300272505)**	
22	1001116748	12	Socket, Female **(SN 0300237758 through 0300272505)**	
23	1001120055	1	Connector - 5 Position with Leads	
24	4460836	1	Connector - 12 Position	
24	4460465	9	Socket, Female	
25	4460866	2	Connector - 19 Position	
25	4460464	20	Pin, Male	
25	4460508	8	Pin, Male Deutsch 12 Ga	
26	4460884	2	Connector, Gray - 4 Position	
26	4460465	8	Socket, Female	
27	4460891	8	Plug, Male - 2 Position	
27	4460465	16	Socket, Female	
28	4460930	1	Connector - 8 Position (Gray)	
28	4460465	6	Socket, Female	
29	4460933	1	Connector, Male - 12 Position (Gray)	
29	4460465	7	Socket, Female	
29	4460942	2	Socket, Female	
30	4460934	1	Plug, Male - 12 Position (Green)	
30	4460465	12	Socket, Female	
31	4460935	1	Plug, Male - 12 Position (Brown)	
31	4460465	7	Socket, Female 18 Gauge	
32	4461077	1	Plug, Male - 4 Position	
32	1001126008	4	Socket, Female	
33	1001125677	1	Connector - 12 Position Buss Bar	
34	1001119020	2	Connector - 12 Position Buss Bar	
35	1001120328	4	Mount, Deutsch	
36	4460852	1	Connector - 8 Position Buss Bar	
39	4460851	1	Plug, Male - 8 Position	
39	4460465	7	Socket, Female 18 Gauge	

FIGURE 8-52. LCD DISPLAY HARNESS (SN 0300209000 through 0300248232)

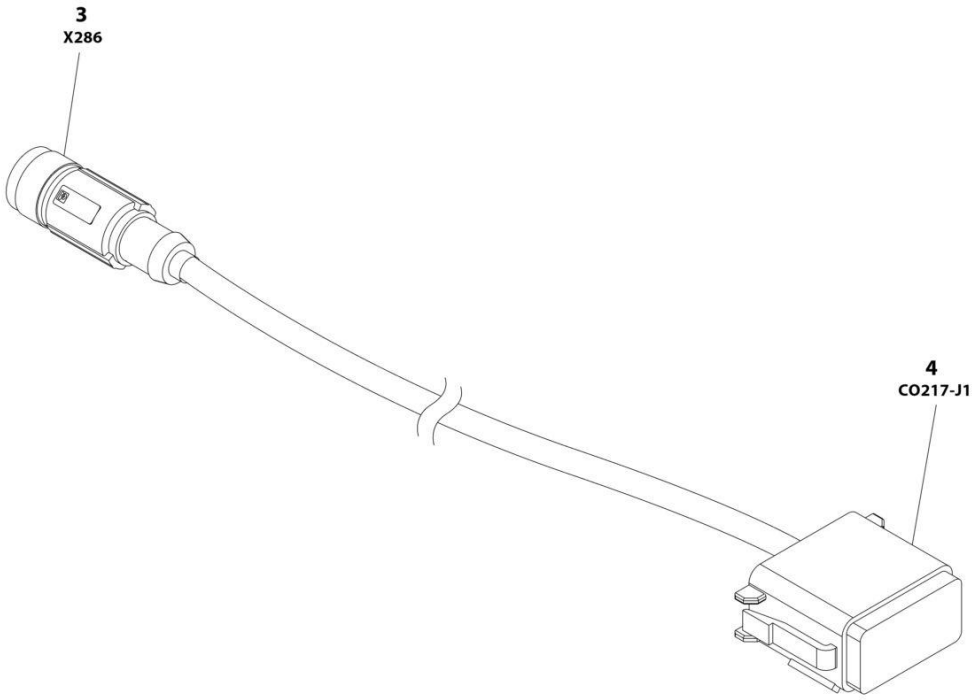


FIGURE 8-52. LCD DISPLAY HARNESS (SN 0300209000 through 0300248232)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125293	Ref	LCD DISPLAY HARNESS	C
3	1001125295	1	Connector - 5 Position with Leads	
4	4460933	1	Connector, Male - 12 Position (Gray)	
4	4460465	3	Socket, Female	
4	4460944	2	Socket, Female (Gold)	

FIGURE 8-53. LCD DISPLAY HARNESS (SN 0300248233 through 0300272505)

FIGURE 8-53. LCD DISPLAY HARNESS (SN 0300248233 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220482	Ref	LCD DISPLAY HARNESS	A
1	4460465	3	Socket, Female	
2	4460944	2	Socket, Female (Gold)	
3	1001125295	1	Connector with Cable	
4	1001176333	1	Connector - 12 Position	
5	4460466	13	Plug, Seal	
6	2820171	3	Tube, Heat Shrink	

FIGURE 8-54. LOAD SENSING PIN HARNESS

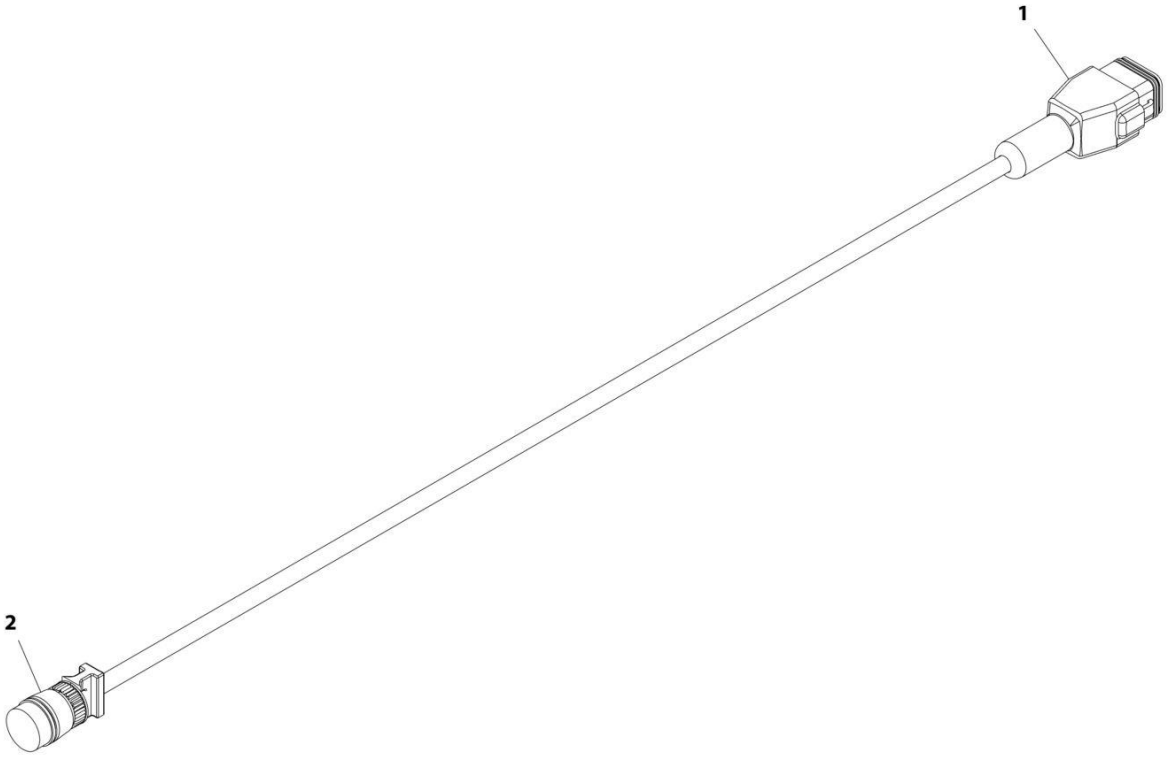


FIGURE 8-54. LOAD SENSING PIN HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4923256	Ref	LOAD SENSING PIN HARNESS	B
1	4460930	1	Connector - 8 Position (Gray)	
1	4460465	4	Socket, Female	
1	4460466	3	Plug, Sealing	
2	See Note	NSS	Connector - 4 Position (Note: Not Available for Purchase)	
2	See Note	NSS	Terminal (Note: Not Available for Purchase)	

FIGURE 8-55. MAIN BOOM CONTROL HARNESS

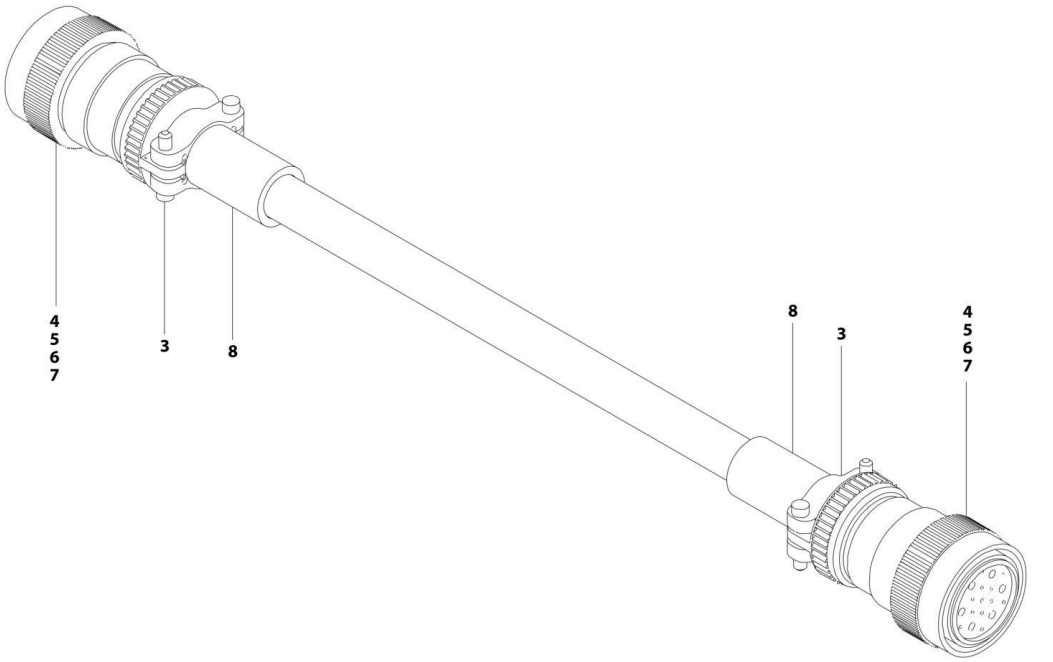


FIGURE 8-55. MAIN BOOM CONTROL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001122396	Ref	MAIN BOOM CONTROL HARNESS	D
3	4460473	2	Clamp	
4	4460509	8	Socket, Female	
5	4460865	2	Connector - 19 Position	
6	4460465	22	Socket, Female	
7	4460466	8	Plug, Socket	
8	1001226400	2	Heat Shrink	

FIGURE 8-56. PLATFORM CONSOLE BOX HARNESS ASSEMBLY - WITHOUT SKYGUARD

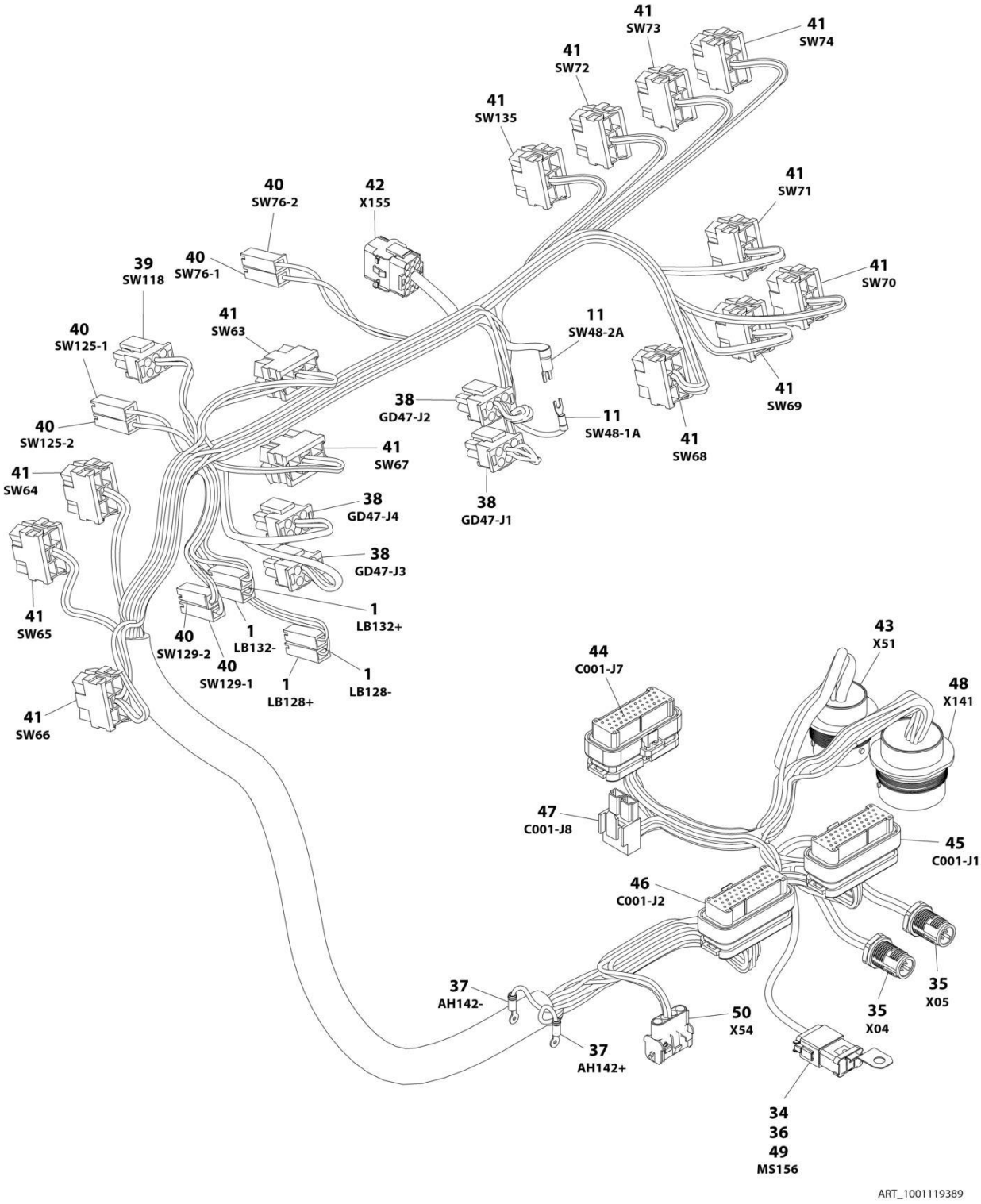


FIGURE 8-56. PLATFORM CONSOLE BOX HARNESS ASSEMBLY - WITHOUT SKYGUARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119389	Ref	PLATFORM CONSOLE BOX HARNESS ASSEMBLY - WITHOUT SKYGUARD	F
1	4460016	4	Terminal	
11	4460888	2	Terminal, Fork	
34	1001119020	1	Connector - 12 Position Buss Bar	
35	1001120055	2	Connector - 5 Position with Leads	
36	1001120328	1	Mount, Deutsch	
37	4460213	2	Terminal, Ring	
38	4460225	4	Connector - 6 Position	
38	4460226	20	Socket, Female	
39	4460225	1	Connector - 6 Position	
39	4460227	6	Pin, Male	
40	4460260	6	Terminal, Housing	
40	4460259	6	Terminal	
41	4460418	13	Connector, Female - 6 Position	
41	4460419	AR	Socket, Female	
42	4460434	1	Plug, Male - 15 Position	
42	4460227	9	Pin, Male	
42	4460708	1	Connector - 15 Position	
43	4460866	1	Connector - 19 Position	
43	4460464	7	Pin, Male	
43	4460508	4	Pin, Male Deutsch 12 Ga	
43	4460943	3	Pin, Male 16 Ga	
44	4460873	1	Connector - 35 Position (Black)	
44	4460871	24	Socket, Female	
44	4460905	11	Seal, Plug	
45	4460874	1	Connector - 35 Position (Natural)	
45	4460871	32	Socket, Female	
45	4460905	3	Seal, Plug	
46	4460876	1	Connector - 35 Position (Blue)	
46	4460871	33	Socket, Female	
46	4460905	2	Seal, Plug	
47	4460879	1	Connector, Male - 2 Position	
47	4460887	2	Terminal (12 Gauge)	
48	4460925	1	Connector - 21 Position	
48	4460929	13	Pin, Male Deutsch 16 Ga	
49	4460933	1	Connector, Male - 12 Position (Gray)	
49	4460944	12	Socket, Female (Gold)	
50	4460761	1	Connector, Female - 4 Position	
50	4460227	4	Pin, Male	

FIGURE 8-57. PLATFORM CONSOLE BOX HARNESS ASSEMBLY - WITH SKYGUARD (WITH 4 CELL LSS) (SN 0300220152 through 0300234293)

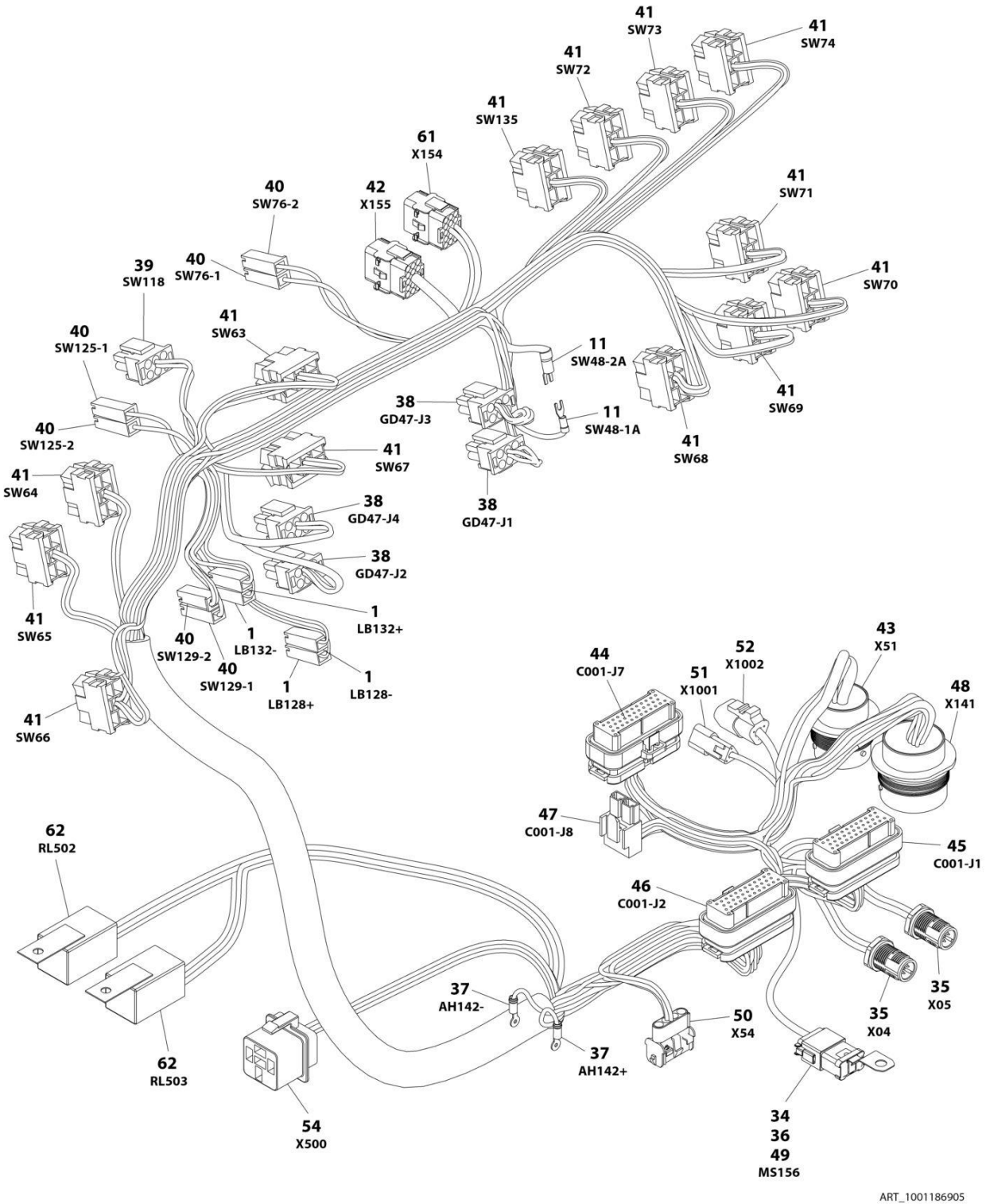


FIGURE 8-57. PLATFORM CONSOLE BOX HARNESS ASSEMBLY - WITH SKYGUARD (WITH 4 CELL LSS) (SN 0300220152 through 0300234293)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186905	Ref	PLATFORM CONSOLE BOX HARNESS ASSEMBLY - WITH SKYGUARD (WITH 4 CELL LSS) **(SN 0300220152 through 0300234293)**	C
1	4460016	4	Terminal	
11	4460888	2	Terminal, Fork	
34	1001119020	1	Connector - 12 Position Buss Bar	
35	1001120055	2	Connector - 5 Position with Leads	
36	1001120328	1	Mount, Deutsch	
37	4460213	2	Terminal, Ring	
38	4460225	5	Connector - 6 Position	
38	4460226	20	Socket, Female	
39	4460225	1	Connector - 6 Position	
39	4460227	6	Pin, Male	
40	4460260	6	Terminal, Housing	
40	4460259	6	Terminal	
41	4460418	13	Connector, Female - 6 Position	
41	4460419	AR	Socket, Female	
42	4460434	1	Plug, Male - 15 Position	
42	4460227	9	Pin, Male	
43	4460866	1	Connector - 19 Position	
43	4460464	7	Pin, Male	
43	4460508	4	Pin, Male Deutsch 12 Ga	
43	4460943	3	Pin, Male 16 Ga	
44	4460873	1	Connector - 35 Position (Black)	
44	4460871	24	Socket, Female	
44	4460905	11	Seal, Plug	
45	4460874	1	Connector - 35 Position (Natural)	
45	4460871	32	Socket, Female	
45	4460905	3	Seal, Plug	
46	4460876	1	Connector - 35 Position (Blue)	
46	4460871	33	Socket, Female	
46	4460905	2	Seal, Plug	
47	4460879	1	Connector, Male - 2 Position	
47	4460887	2	Terminal (12 Gauge)	
48	4460925	1	Connector - 21 Position	
48	4460929	13	Pin, Male Deutsch 16 Ga	
49	4460933	1	Connector, Male - 12 Position (Gray)	
49	4460944	12	Socket, Female (Gold)	
50	4460761	1	Connector, Female - 4 Position	
50	4460227	4	Pin, Male	
51	4460536	1	Plug, Male - 3 Position	
51	4460943	3	Pin, Male	
52	4460539	1	Plug, Male - 3 Position (Includes Wedge Lock and Seal)	
52	4460944	3	Socket, Female	
54	4460884	1	Connector, Gray - 4 Position	
54	4460465	4	Socket, Female	
54	4460932	1	Connector, Female - 4 Position	
61	4460708	1	Connector - 15 Position	
61	4460226	3	Socket, Female	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
62	70004016	2	Relay	

FIGURE 8-58. PLATFORM CONSOLE BOX HARNESS ASSEMBLY - WITH SKYGUARD (WITH 1 CELL LSS) (SN 0300234294 through 0300272505)

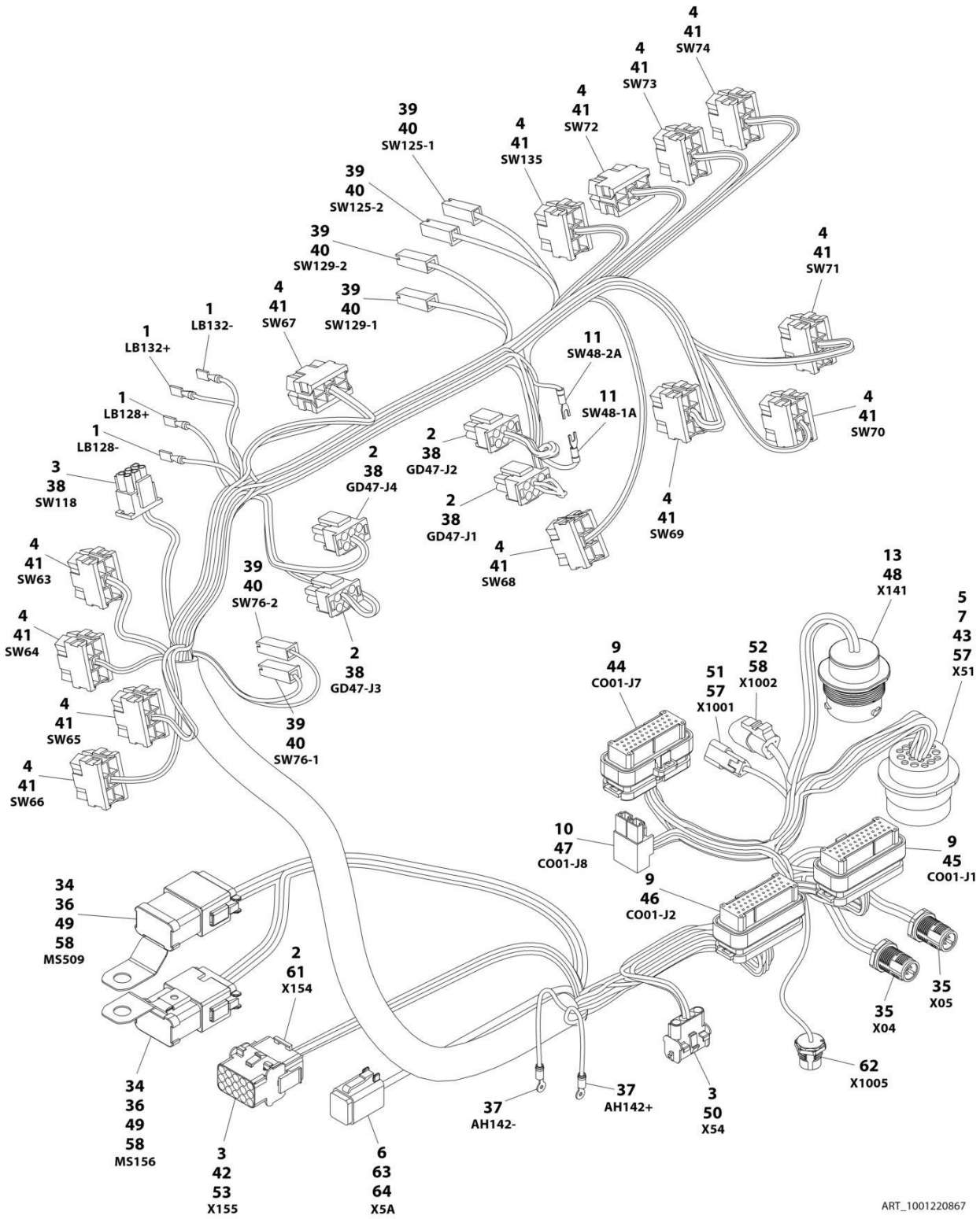


FIGURE 8-58. PLATFORM CONSOLE BOX HARNESS ASSEMBLY - WITH SKYGUARD (WITH 1 CELL LSS) (SN 0300234294 through 0300272505)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220867	Ref	PLATFORM CONSOLE BOX HARNESS ASSEMBLY - WITH SKYGUARD (WITH 1 CELL LSS)	D
1	4460016	5	Terminal	
2	4460226	21	Socket, Female	
3	4460227	19	Pin, Male	
4	4460419	36	Socket, Female	
5	4460464	7	Pin, Male	
6	4460466	12	Plug, Terminal	
7	4460508	4	Pin, Male Deutsch 12 Ga	
9	4460871	89	Socket, Female	
10	4460887	2	Terminal (12 Gauge)	
11	4460888	2	Terminal, Fork	
13	4460929	12	Pin, Male Deutsch 16 Ga	
34	1001119020	2	Connector - 12 Position Buss Bar	
35	1001120055	2	Connector - 5 Position with Leads	
36	1001120328	2	Mount, Deutsch	
37	4460213	2	Terminal, Ring	
38	4460225	5	Connector - 6 Position	
39	4460259	6	Terminal	
40	4460260	6	Terminal, Housing	
41	4460418	13	Connector, Female - 6 Position	
42	4460434	1	Plug, Male - 15 Position	
43	4460866	1	Connector - 19 Position	
44	4460873	1	Connector - 35 Position (Black)	
45	4460874	1	Connector - 35 Position (Natural)	
46	4460876	1	Connector - 35 Position (Blue)	
47	4460879	1	Connector, Male - 2 Position	
48	4460925	1	Connector - 21 Position	
49	4460933	2	Connector, Male - 12 Position (Gray)	
50	4460761	1	Connector, Female - 4 Position	
51	4460536	1	Plug, Male - 3 Position	
52	4460539	1	Plug, Male - 3 Position (Includes Wedge Lock and Seal)	
53	4460267	2	Pin, Male	
57	4460943	6	Pin, Male	
58	4460944	23	Socket, Female	
61	4460708	1	Connector - 15 Position	
62	1001213447	1	Connector - 5 Position	
63	4460894	1	Plug, Male - 6 Position	
64	4460465	5	Socket, Female 18 Gauge	

FIGURE 8-59. PLATFORM VALVE HARNESS

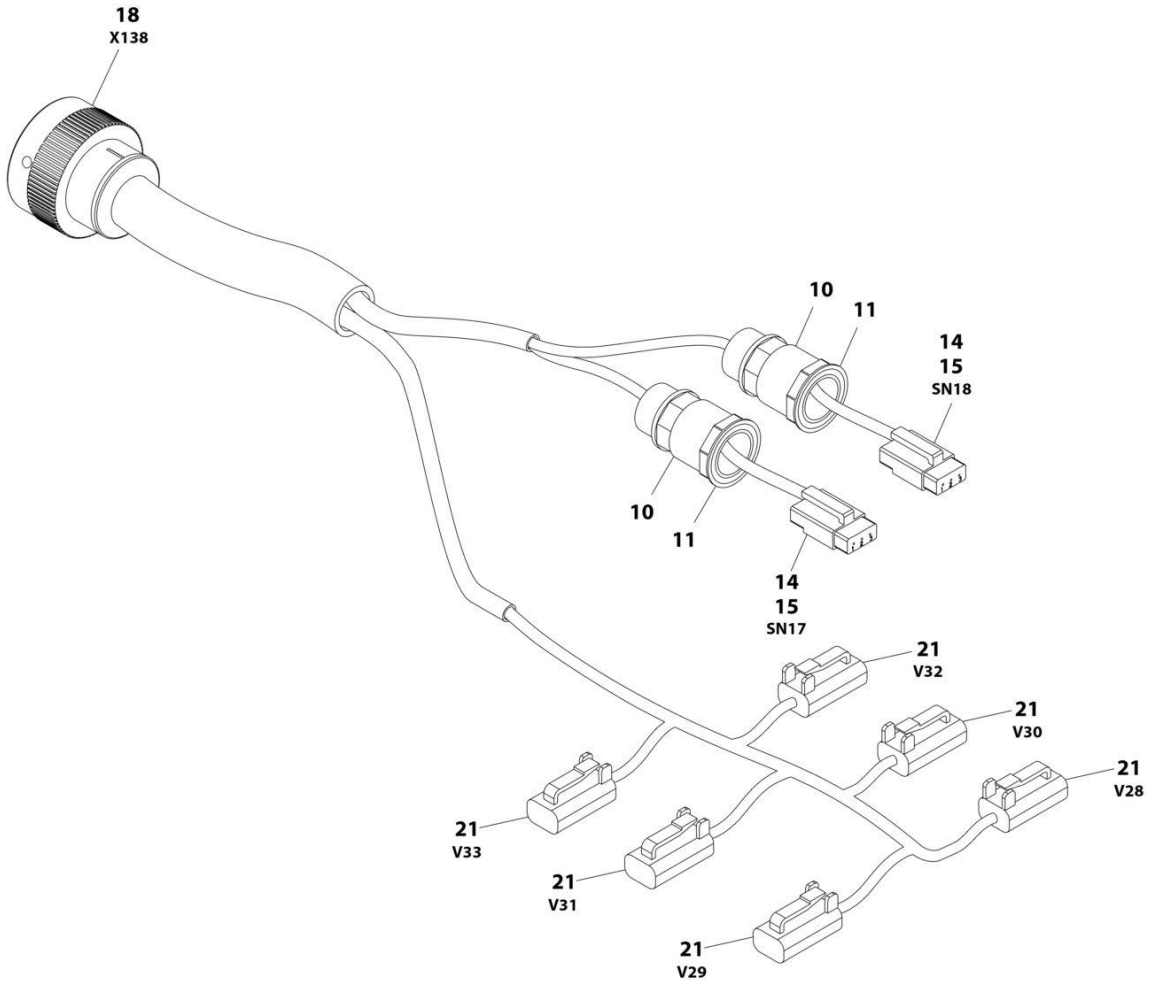


FIGURE 8-59. PLATFORM VALVE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119390	Ref	PLATFORM VALVE HARNESS	D
10	1560011	2	Connector, Conduit	
11	1560012	2	Nut, Conduit Connector	
14	4460911	2	Plug, Male - 3 Position	
14	4460918	6	Socket, Female (Gold)	
15	4460912	2	Lock, Wedge - Position	
18	4460926	1	Connector - 21 Position	
18	4460918	6	Socket, Female (Gold)	
18	4460928	8	Socket, Female	
21	4460891	6	Plug, Male - 2 Position	
21	4460465	12	Socket, Female	

FIGURE 8-60. PUMP HARNESS

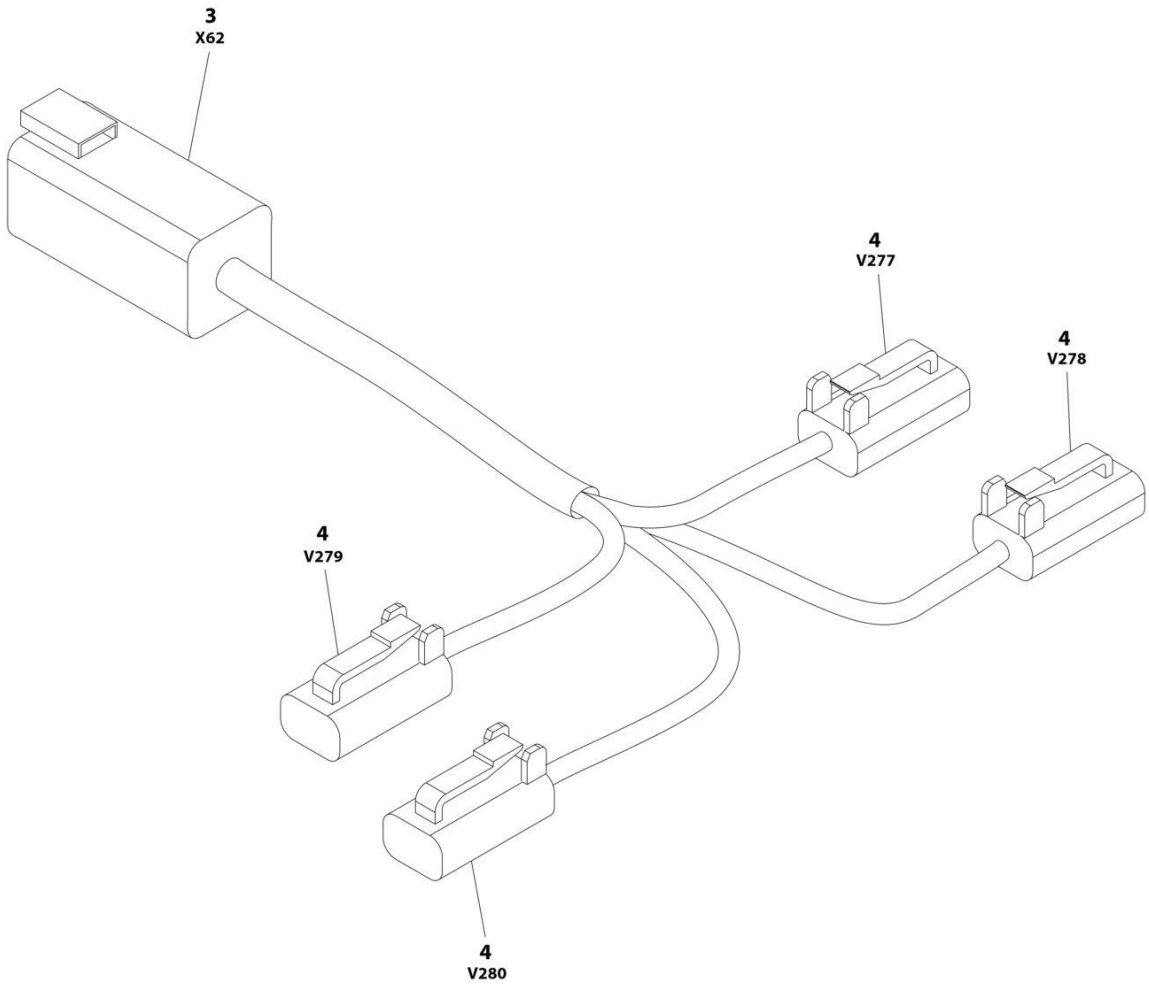


FIGURE 8-60. PUMP HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120276	Ref	PUMP HARNESS	A
3	4460899	1	Connector, Female - 6 Position	
3	4460464	5	Pin, Male	
4	4460891	4	Plug, Male - 2 Position	
4	4460465	8	Socket, Female	

FIGURE 8-61. PUMP ADAPTER HARNESS - SAUER PUMP TO REXROTH PUMP

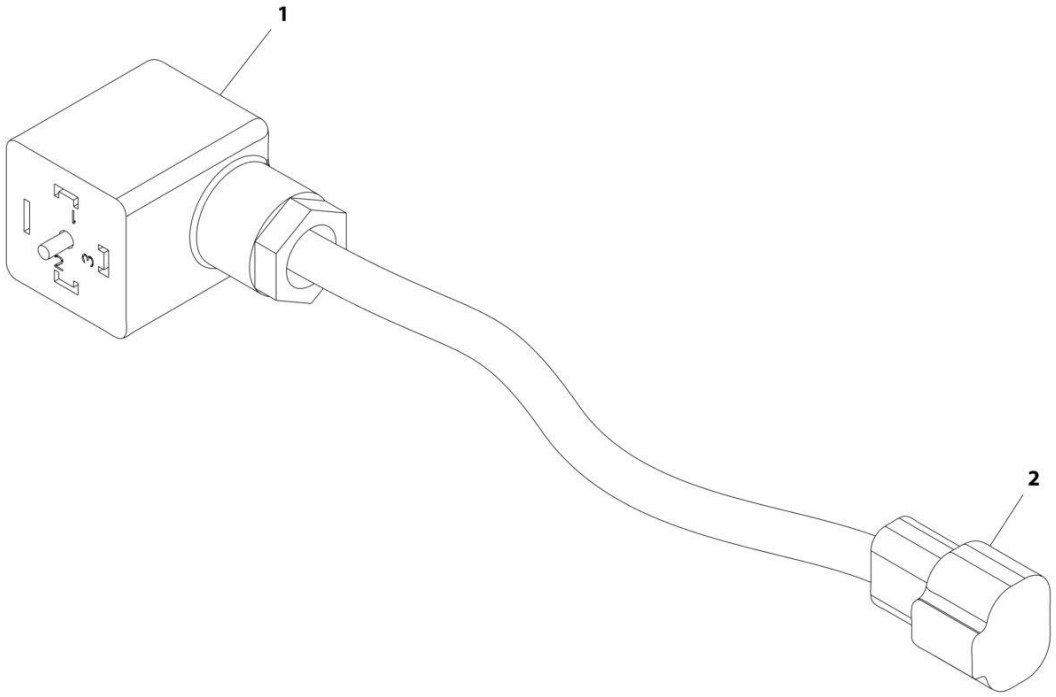


FIGURE 8-61. PUMP ADAPTER HARNESS - SAUER PUMP TO REXROTH PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119456	Ref	PUMP ADAPTER HARNESS - SAUER PUMP TO REXROTH PUMP	C
1	4460880	2	DIN Connector	
2	4460897	2	Connector - 2 Position	
2	4460464	4	Pin, Male	

FIGURE 8-62. RECEPTACLE BOX KIT - 110V IEC YELLOW WITHOUT 2500W GENERATOR (CE SPECS)

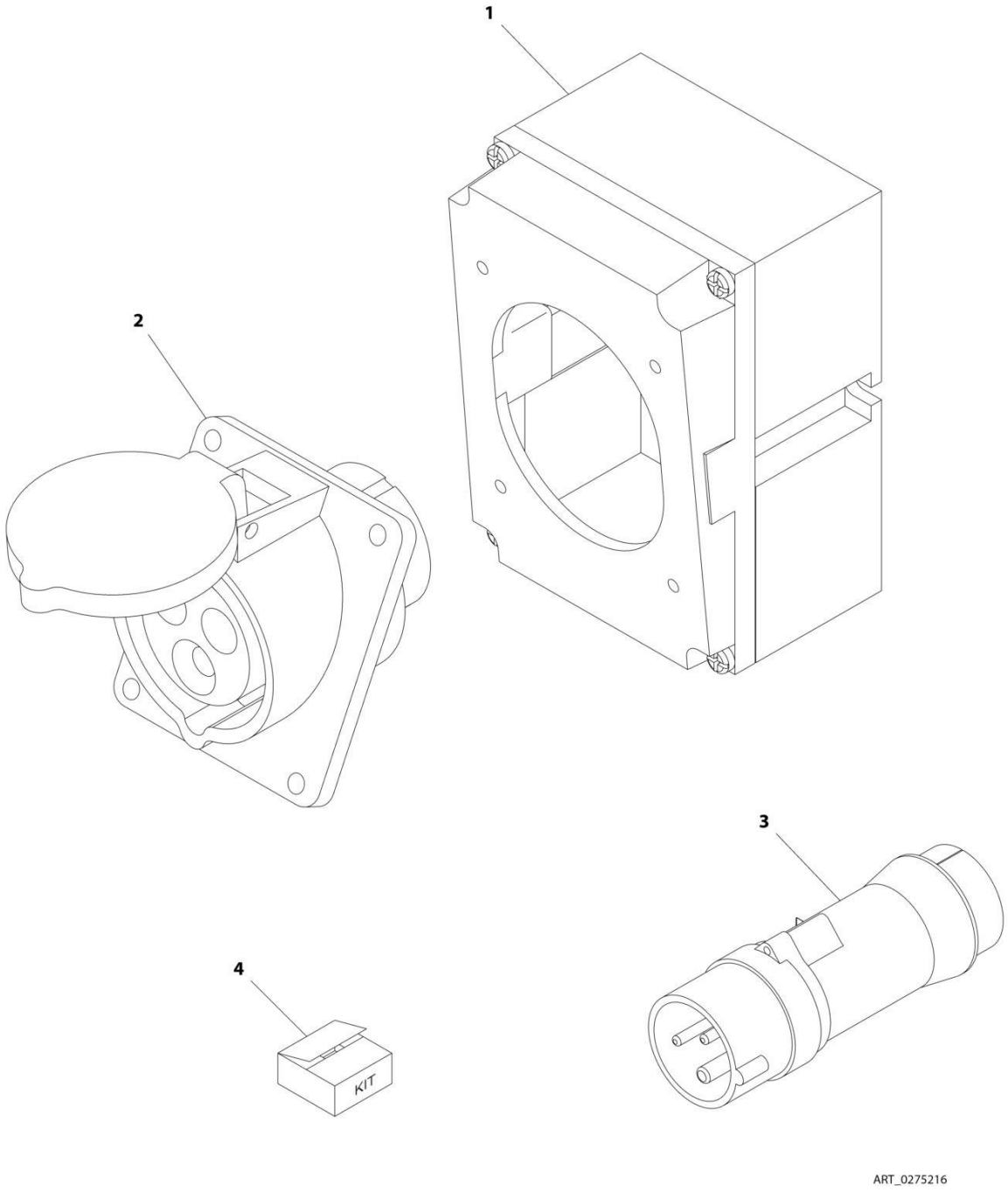


FIGURE 8-62. RECEPTACLE BOX KIT - 110V IEC YELLOW WITHOUT 2500W GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275216	Ref	RECEPTACLE BOX KIT - 110V IEC YELLOW WITHOUT 2500W GENERATOR (CE SPECS)	1
1	0861781	1	Box, Switch	
2	4461198	1	Receptacle	
3	4461196	1	Plug, Male	
4	1001100341	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461197)	

FIGURE 8-63. RECEPTACLE BOX KIT - 220V IEC BLUE WITHOUT 2500W GENERATOR (CE SPECS)

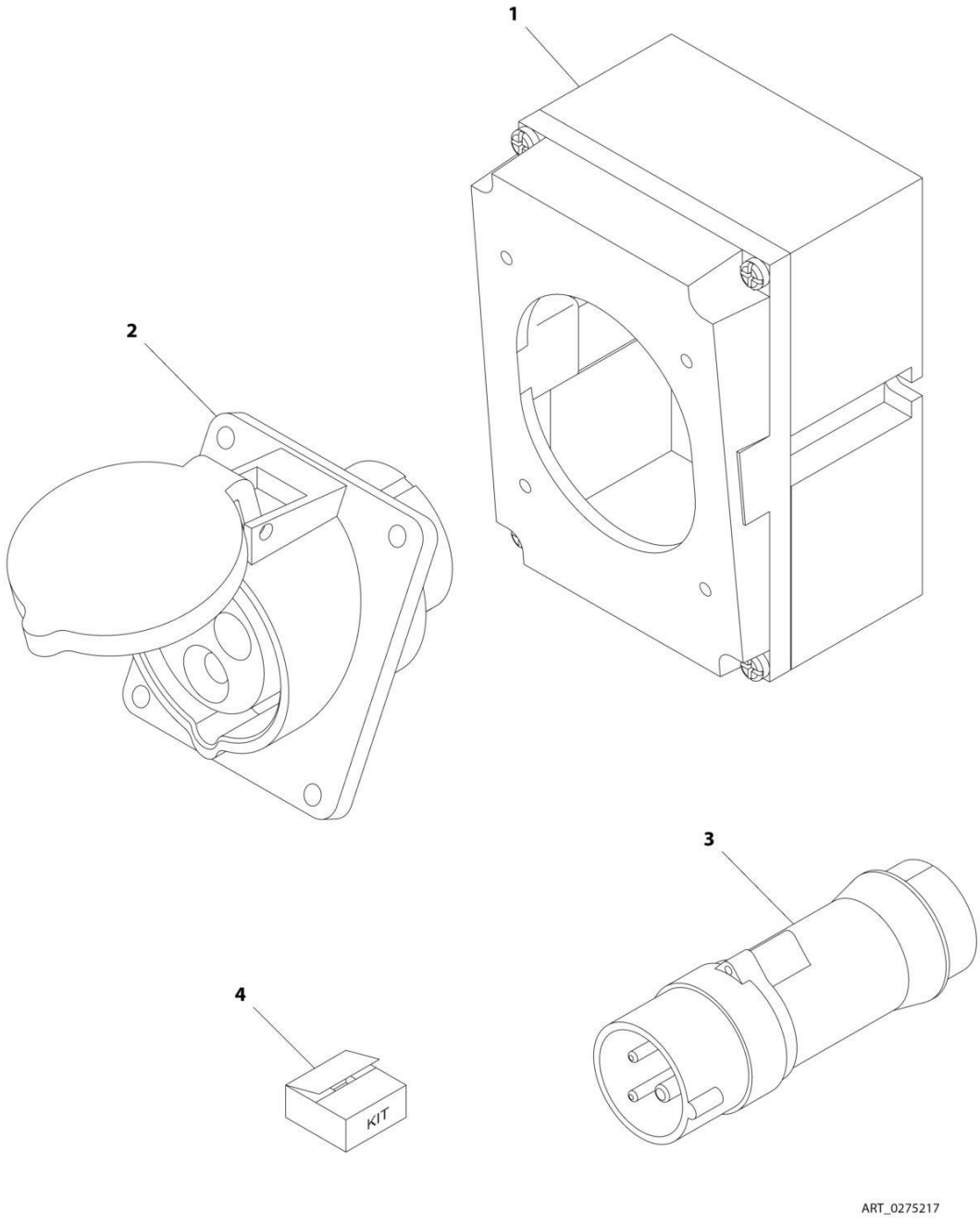


FIGURE 8-63. RECEPTACLE BOX KIT - 220V IEC BLUE WITHOUT 2500W GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275217	Ref	RECEPTACLE BOX KIT - 220V IEC BLUE WITHOUT 2500W GENERATOR (CE SPECS)	1
1	0861781	1	Box, Switch	
2	4461201	1	Receptacle	
3	4461199	1	Plug, Male	
4	1001100342	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461200)	

FIGURE 8-64. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS)

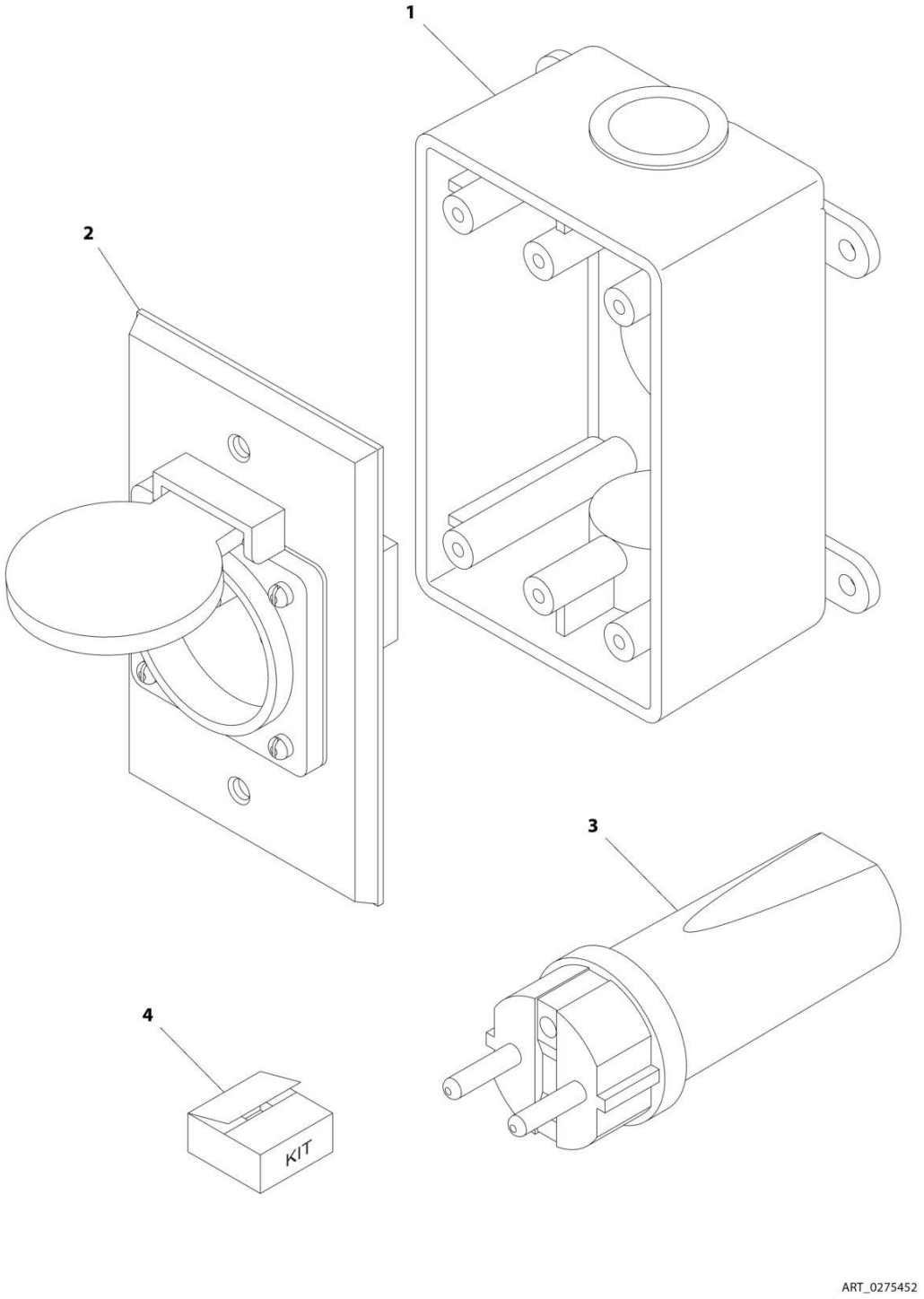


FIGURE 8-64. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275452	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS)	C
1	0861731	1	Box, Switch	
2	4461244	1	Receptacle	
3	4461202	1	Plug, Male **(SN 0300209000 through 0300218315)**	
3	4461205	1	Plug, Male **(SN 0300218316 through 0300272505)**	
4	1001100345	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461206)	

FIGURE 8-65. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS)

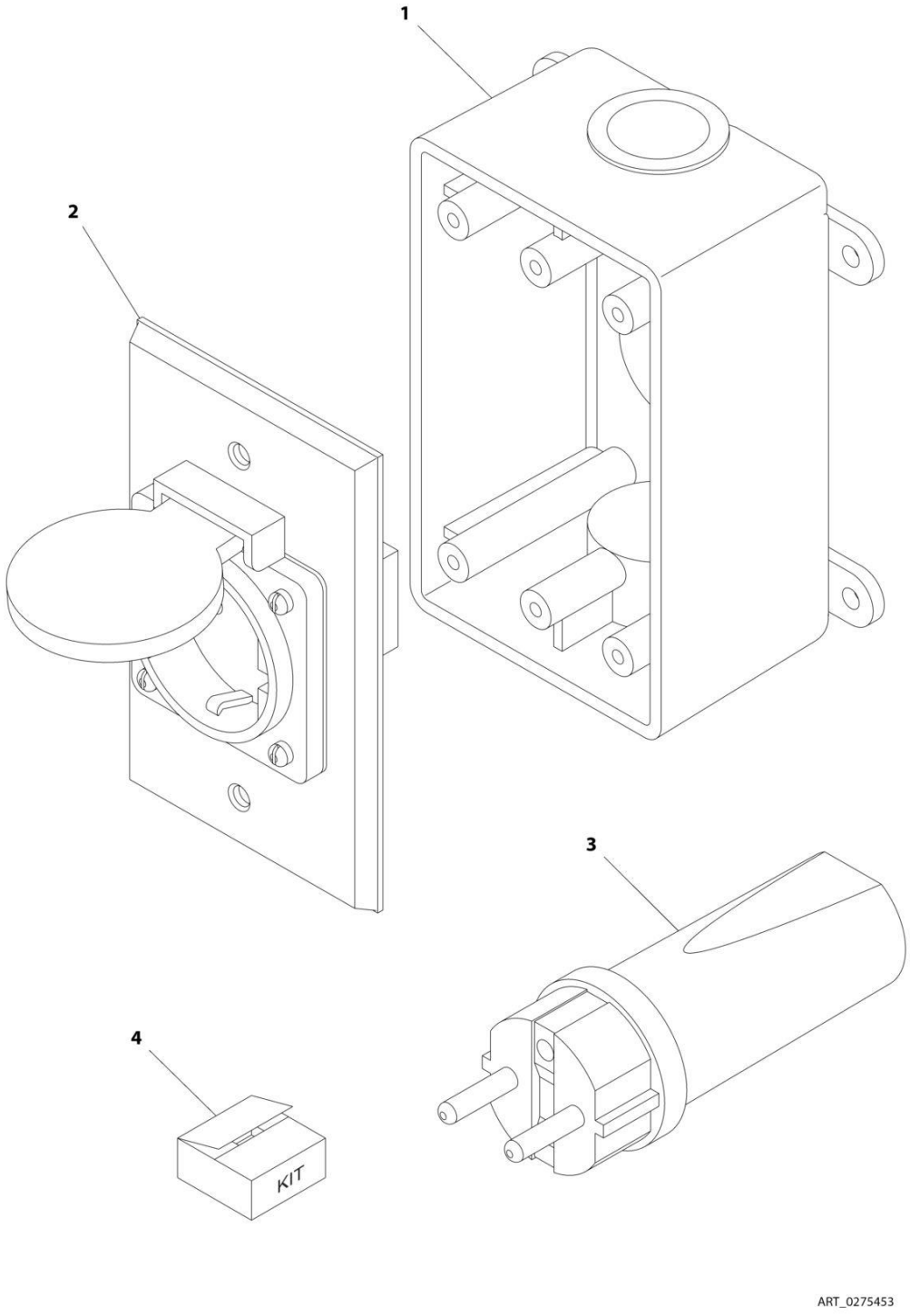


FIGURE 8-65. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275453	Ref	RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS)	1
1	0861731	1	Box, Switch	
2	4461245	1	Receptacle	
3	4461205	1	Plug, Male	
4	1001100347	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461206)	

FIGURE 8-66. RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS)

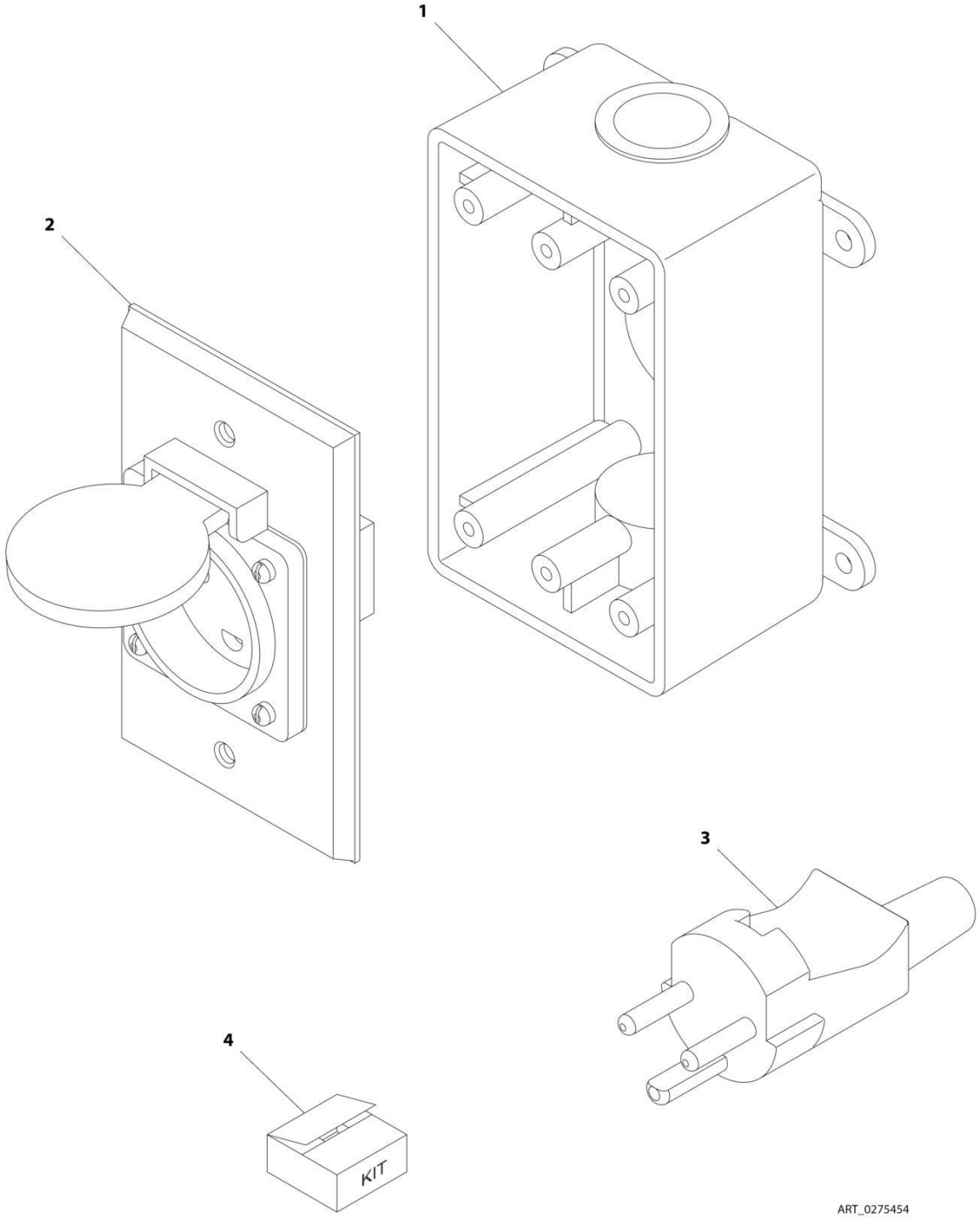


FIGURE 8-66. RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275454	Ref	RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE SPECS)	1
1	0861731	1	Box, Switch	
2	4461246	1	Receptacle	
3	4461249	1	Plug, Male	
4	1001100346	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461250)	

FIGURE 8-67. SKYEYE INTERMEDIATE HARNESS

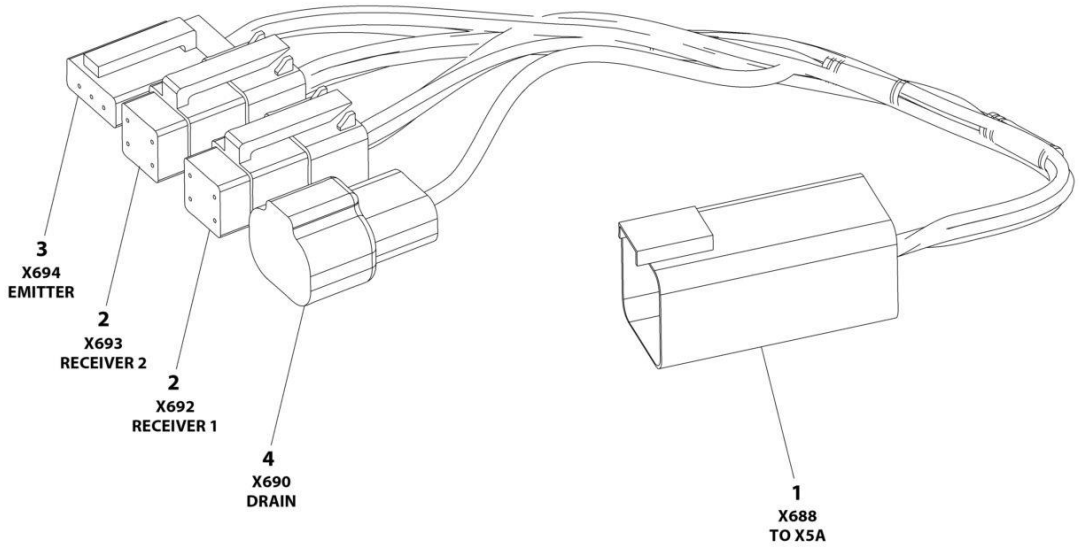


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FIGURE 8-67. SKYEYE INTERMEDIATE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237865	Ref	SKYEYE INTERMEDIATE HARNESS	A
1	4460899	1	Connector - 6 Position	
1	4460943	4	Pin, Male	
1	4460466	2	Plug, Terminal	
2	4461077	2	Connector - 4 Position	
2	1001119619	8	Socket, Female	
3	4460911	1	Connector - 3 Position	
3	1001119619	3	Socket, Female	
4	1001187681	1	Connector - 2 Position	
4	4460941	1	Pin, Male	
4	4460466	1	Plug, Terminal	

FIGURE 8-68. SKYEYE RECEIVER HARNESS

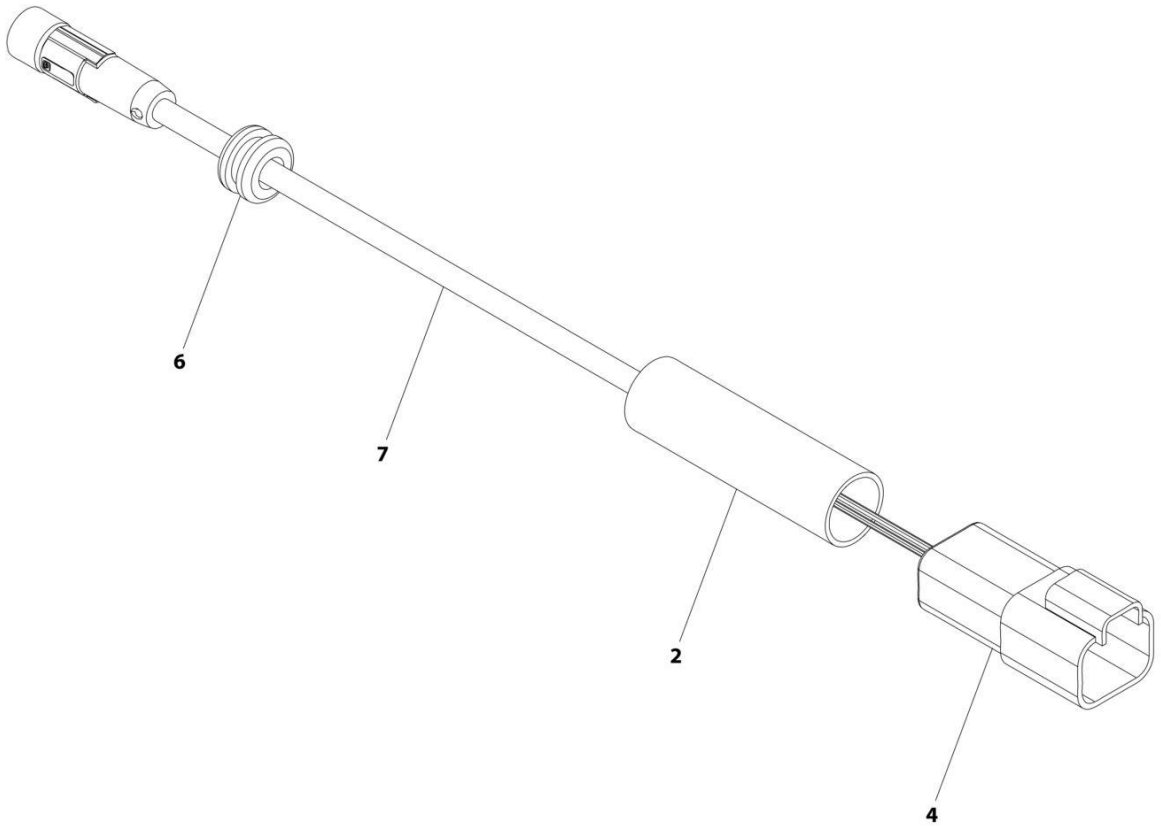

FIGURE 8-68. SKYEYE RECEIVER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237863	Ref	SKYEYE RECEIVER HARNESS	A
2	2820247	AR	Tubing, Heat Shrink	
4	1001097051	1	Connector - 4 Position	
4	1001119620	4	Pin, Male	
6	1001227996	1	Grommet	
7	1001237862	1	Cable, M8 Female Cordset	

FIGURE 8-69. SKYEYE EMITTER HARNESS

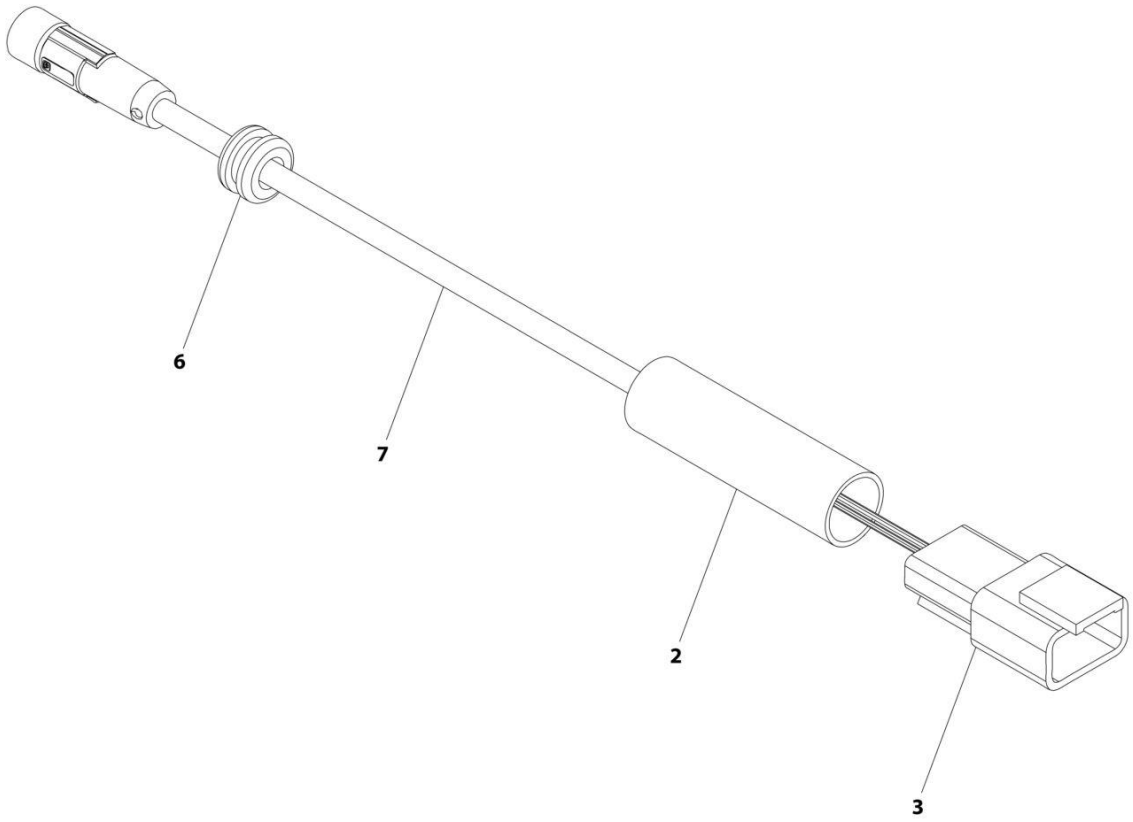

FIGURE 8-69. SKYEYE EMITTER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237864	Ref	SKYEYE EMITTER HARNESS	A
2	2820247	AR	Tubing, Heat Shrink	
3	4460910	1	Connector - 3 Position	
3	1001119620	3	Pin, Male	
6	1001227996	1	Grommet	
7	1001237862	1	Cable, M8 Female Cordset	

FIGURE 8-70. SKYLINE HARNESS

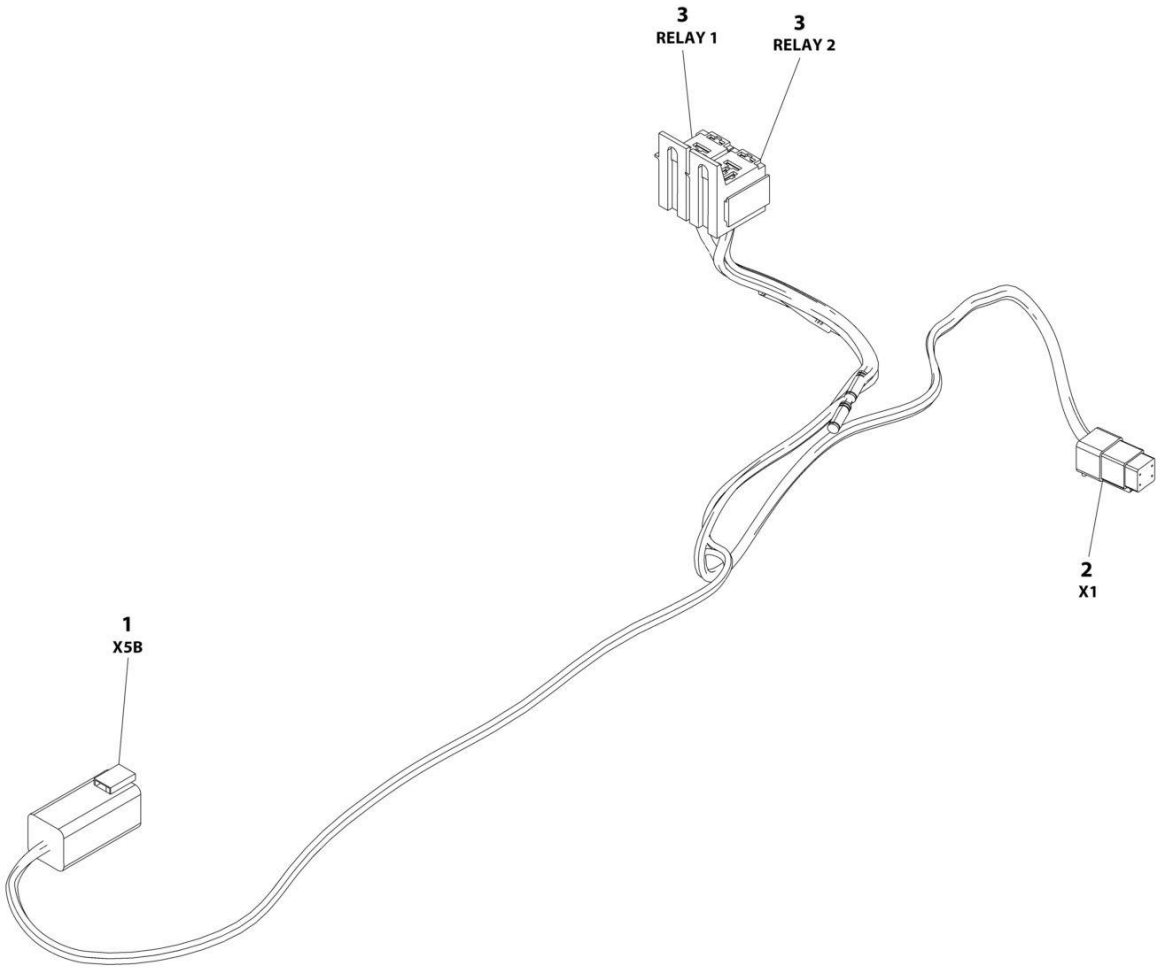

FIGURE 8-70. SKYLINE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238418	Ref	SKYLINE HARNESS	B
1	4460899	1	Connector - 6 Position	
1	4460464	4	Pin, Male	
1	4460466	2	Plug, Terminal	
2	4461077	1	Connector - 4 Position	
2	1001126009	4	Socket, Female	
3	1001186432	2	Plug, Relay	
3	1001118388	5	Terminal	
3	1001118384	3	Terminal	
3	3740086	2	Relay	

FIGURE 8-71. STROBE LIGHT HARNESS (AMBER)

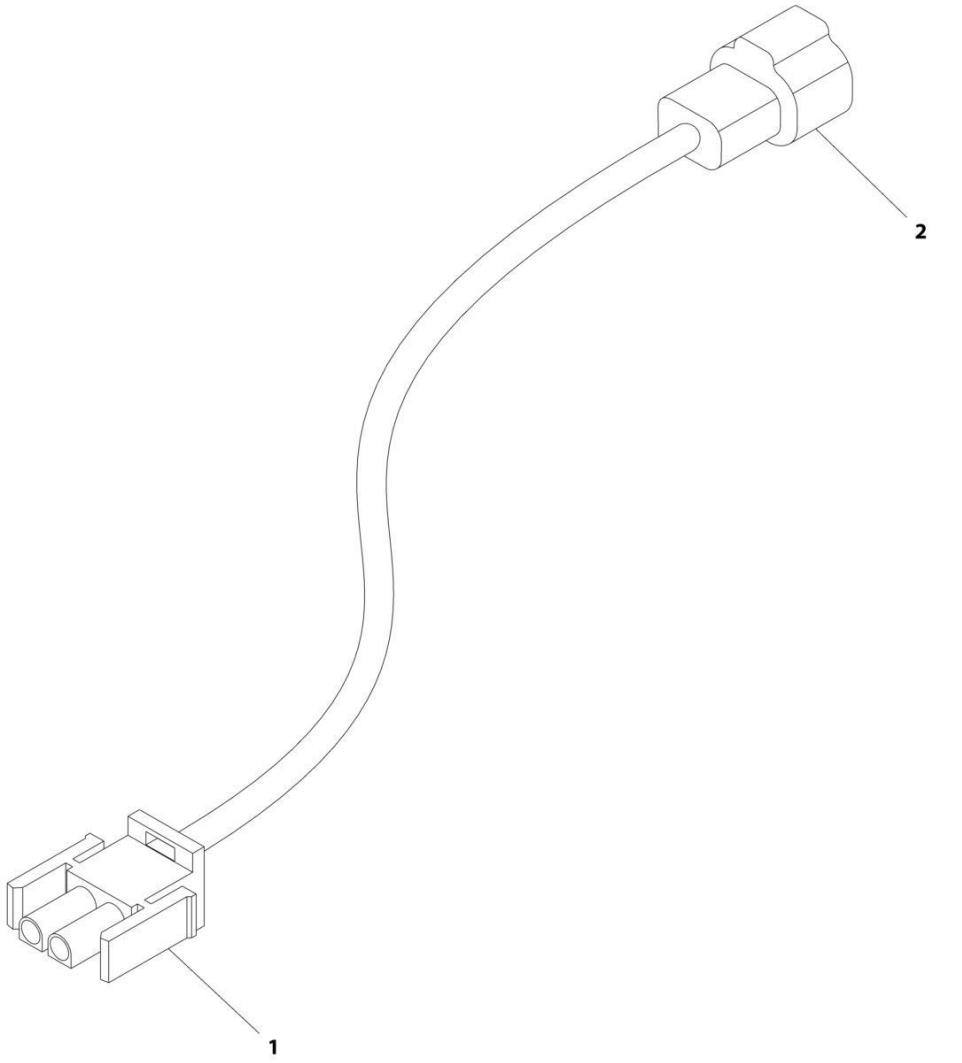

FIGURE 8-71. STROBE LIGHT HARNESS (AMBER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001149818	Ref	STROBE LIGHT HARNESS (AMBER)	D
1	4460320	1	Plug, Male - 2 Position	
1	4460267	2	Pin, Male	
2	4460897	1	Connector - 2 Position	
2	4460464	2	Pin, Male	

FIGURE 8-72. TURNTABLE HARNESS ASSEMBLY

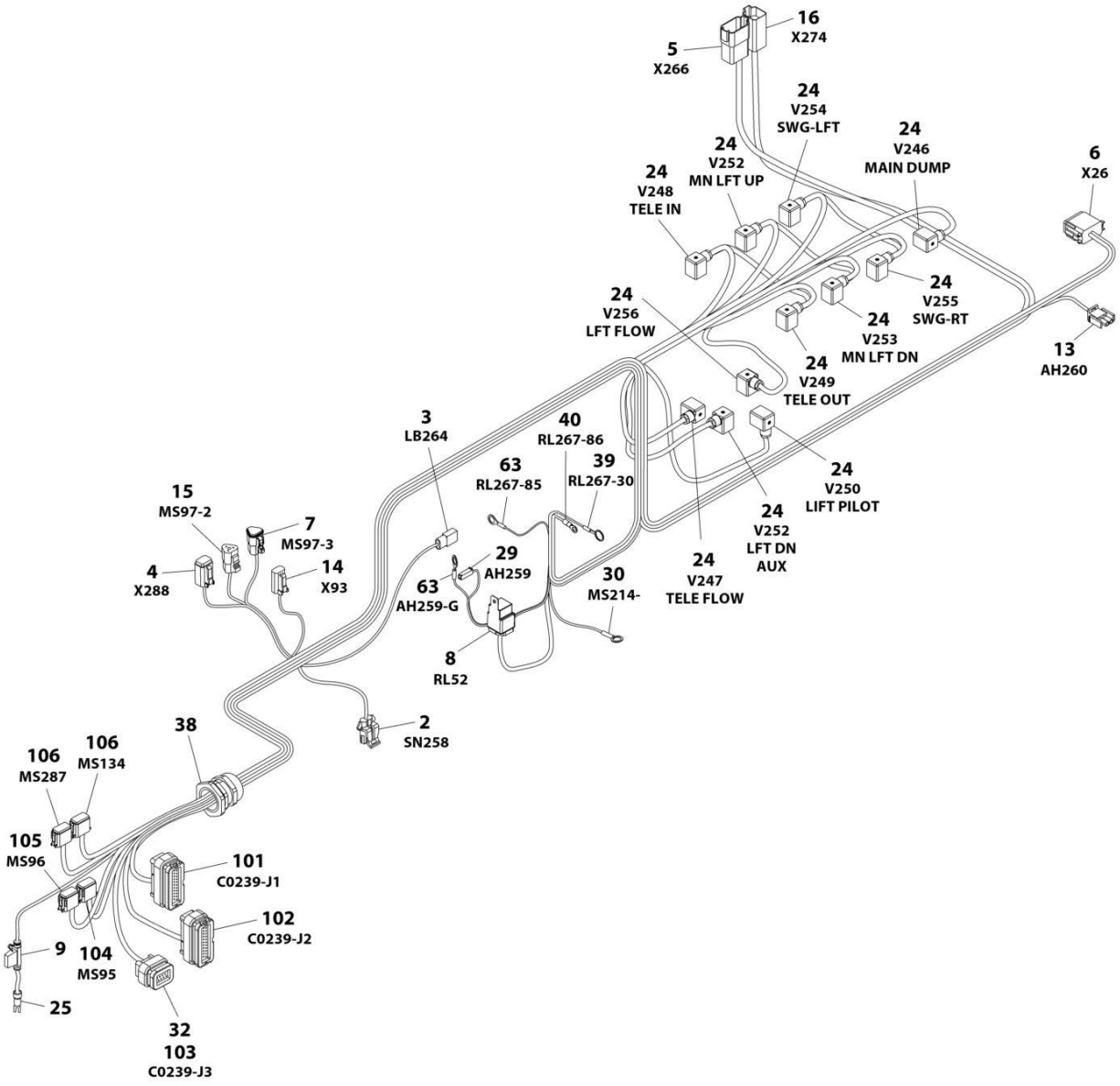

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FIGURE 8-72. TURNTABLE HARNESS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119653	Ref	TURNTABLE HARNESS ASSEMBLY	H
2	4460843	1	Plug, Male - 2 Position	
2	4460842	2	Socket, Female	
3	4460424	1	Connector, Female - 2 Position	
3	4460268	2	Socket, Female	
4	4460884	1	Connector, Gray - 4 Position	
4	4460465	3	Socket, Female	
5	4460931	1	Connector, Female - 8 Position	
5	4460464	8	Pin, Male	
6	4460836	1	Connector - 12 Position	
6	4460465	3	Socket, Female	
6	4460944	2	Socket, Female (Gold)	
6	4460942	2	Socket, Female	
7	1001116812	1	Plug, Male - 3 Position (Includes Wedge Lock and Seal)	
7	4460944	2	Socket, Female (Gold)	
8	1001117025	1	Relay with Connector	
8	3740080	1	Relay, Sealed	
8	4460374	1	Plug, Sealed	
8	4460375	4	Terminal, Female	
9	2400066	1	Fuseholder	
9	2400065	1	Fuse - 30Amp	
13	4460320	1	Plug, Male - 2 Position	
13	4460267	2	Pin, Male	
14	4460891	1	Plug, Male - 2 Position	
14	4460465	2	Socket, Female	
15	4460539	1	Connector - 3 Position	
15	4460944	3	Socket, Female (Gold)	
16	4460899	1	Connector, Female - 6 Position	
16	4460464	3	Pin, Male	
16	4460943	2	Pin, Male 16 Ga	
16	4460465	1	Socket, Female	
24	4460880	11	DIN Connector	
25	4460806	1	Terminal, Fork	
29	4460260	1	Terminal, Housing	
29	4460259	1	Terminal	
30	4460256	1	Terminal, Ring	
32	4460872	1	Plug, Male - 14 Position	
32	4460871	1	Socket, Female	
38	4460526	1	Connector, Strain Relief	
39	4460019	1	Terminal, Ring	
40	4460313	1	Terminal, Ring	
63	4460702	2	Terminal, Ring	
		Ref	ADDITIONAL COMPONENTS	
101	4460874	1	Connector - 35 Position (Natural)	
101	4460871	10	Socket, Female	
102	4460875	1	Connector, Gray - 35 Position	
102	4460871	19	Socket, Female	
103	4460872	1	Plug, Male - 14 Position	
103	4460871	1	Socket, Female	
104	4460836	1	Plug, Male - 12 Position	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
104	4460465	4	Socket, Female	
105	4460836	1	Plug, Male - 12 Position	
105	4460465	5	Socket, Female	
106	4460933	2	Connector, Male - 12 Position (Gray)	
106	4460944	6	Socket, Female (Gold)	

FIGURE 8-73. ELECTRICAL DIAGRAM LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: Diagrams not shown are available from the JLG Service Department. Schematics shown in the Service and Maintenance Manual.	
		Ref	ELECTRICAL DIAGRAM LIST	
	1001119266	Ref	Electrical Schematic	
	1001120332	Ref	Wiring Diagram - Ground Control Box	
	1001162899	Ref	Wiring Diagram - 4000W Generator 50Hz (Australian Specs)	
	1001162901	Ref	Wiring Diagram - 4000W Generator 50Hz (CE Specs)	
	1001162900	Ref	Wiring Diagram - 4000W Generator 50Hz (UK Specs)	
	1001195793	Ref	Wiring Diagram - 4000W Generator 50Hz (ANSI Export Specs)	
	1001119395	Ref	Wiring Harness Installation	

SECTION 9 - DECALS

FIGURE 9-1. DECAL INSTALLATION - ANSI SPEC

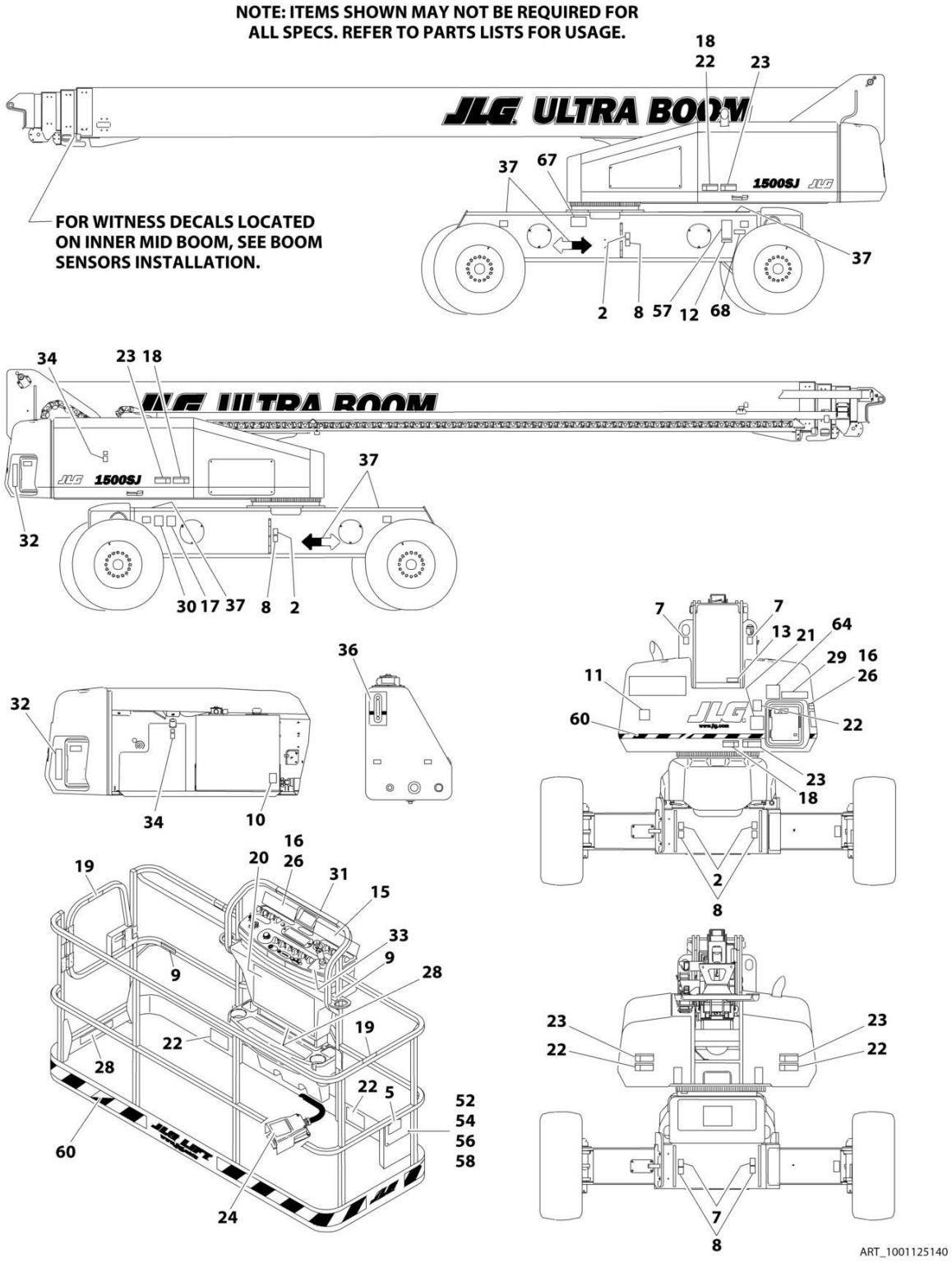

FIGURE 9-1. DECAL INSTALLATION - ANSI SPEC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001123066	Ref	DECAL INSTALLATION - REFERENCE CHART	I
	1001125140	Ref	DECAL INSTALLATION - ANSI SPEC	F
2	1701499	4	Decal - No Lift	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Tie Down/Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Attach Lanyard Here	
10	1704412	1	Decal - Hydraulic Oil Chart	
12	1705514	1	Decal - CSA **(SN 0300222923 through 0300272505)**	
13	3251243	1	Nameplate - 120V-60Hz	
15	1705337	1	Decal - Tip Over **(SN 0300209000 through 0300241955)**	
18	1703953	3	Decal - Warning/Crushing	
19	1702868	2	Decal - No Hands	
20	1703797	1	Decal - Danger/Warning (Platform) **(SN 0300209000 through 0300241955)**	
20	1001231315	1	Decal - Danger/Warning (Platform) **(SN 0300241956 through 0300272505)**	
21	1705336	1	Decal - Danger/Warning (Ground Control)	
22	1703804	4	Decal - Warning Crushing	
23	1703805	5	Decal - Danger/Electrocution	
24	3252347	1	Decal - Footswitch	
26	1705492	AR	Decal - Tip Over Hazard	
28	1001125175	2	Decal - Capacity (Platform)	
29	1001125176	1	Decal - Capacity (Ground Control)	
30	1001130584	1	Decal - Patent	
31	1001130584	1	Decal - Legend (Platform)	
32	1705868	1	Decal - Legend (Ground Control)	
33	1705351	1	Decal - Drive/Steer Instructions	
34	1701505	2	Decal - Fuel	
35	1704972	1	Decal - Warning Explosion/Fire (Not Shown - Located on Air Intake Box in Engine Compartment)	
36	1705511	1	Decal - Oil Level	
37	1701501	4	Decal - Arrow	
52	0641406	4	Bolt 1/4 x 3/4	
54	91403230	1	Box, Manual Storage	
56	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	4	Washer 1/4	
67	1001223055	1	Decal - Yearly Inspection **(SN 0300237553 through 0300272505)**	
68	1001223453	1	Decal - ICES **(SN 0300241956 through 0300272505)**	

FIGURE 9-2. DECAL INSTALLATION - AUSTRALIAN SPEC

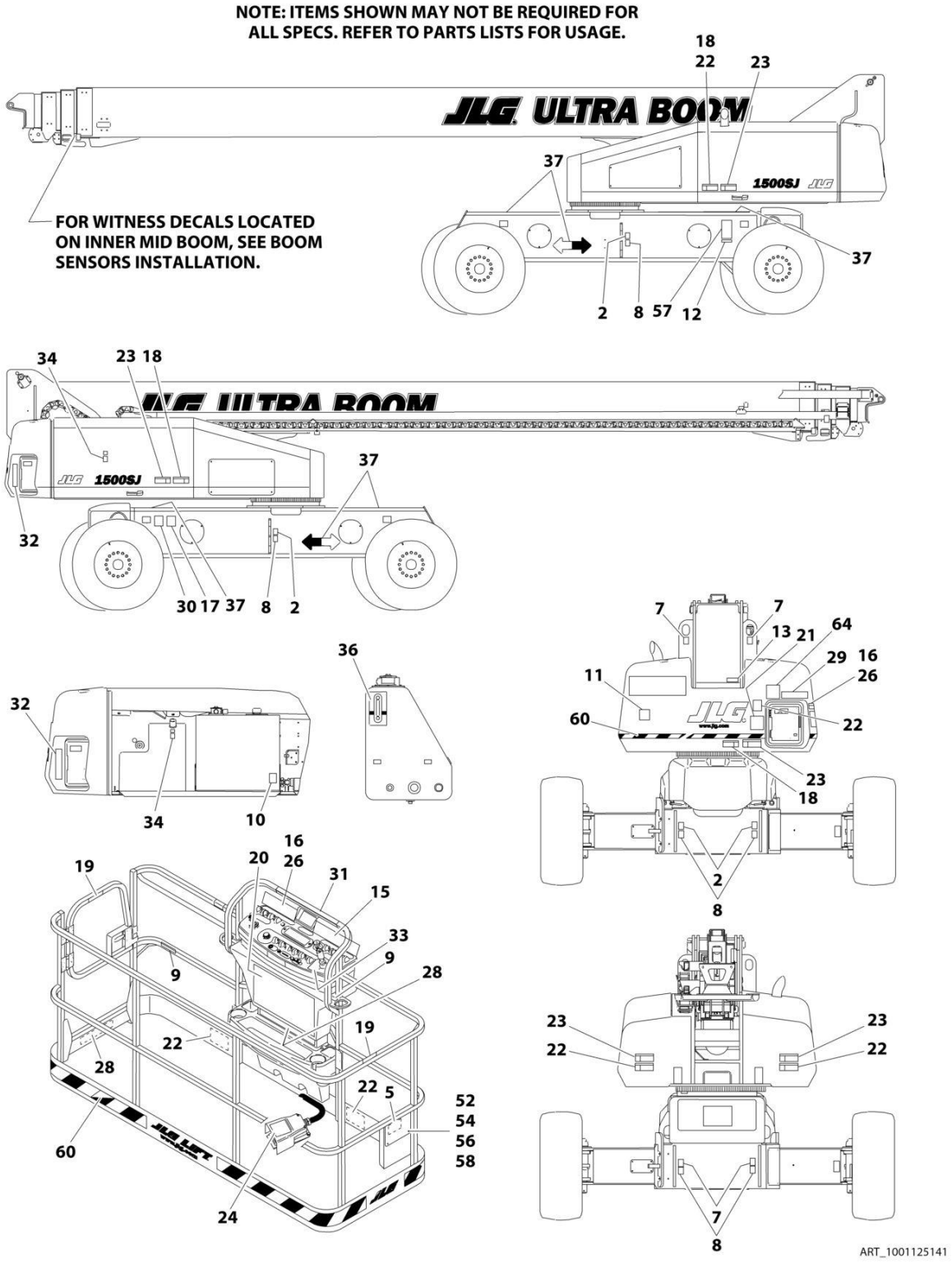

FIGURE 9-2. DECAL INSTALLATION - AUSTRALIAN SPEC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001123066	Ref	DECAL INSTALLATION - REFERENCE CHART	I
	1001125141	Ref	DECAL INSTALLATION - AUSTRALIAN SPEC	E
2	1701499	4	Decal - No Lift	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Tie Down/Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Attach Lanyard Here	
10	1704412	1	Decal - Hydraulic Oil Chart	
11	1705980	1	Decal - Sound Power Level	
20	1705921	1	Decal - Tipping/Electrical (Platform)	
21	1705822	1	Decal - Electrical/Safety (Ground Control)	
22	1701518	7	Decal - Warning Crushing	
23	1705961	5	Decal - Danger Electrocution	
24	1705828	1	Decal - Footswitch	
28	1001125177	1	Decal - Capacity (Platform)	
29	1001125178	1	Decal - Capacity (Ground Control)	
34	1701505	2	Decal - Fuel	
35	1706098	1	Decal - Warning Explosion/Fire (Not Shown - Located on Air Intake Box in Engine Compartment)	
36	1705511	1	Decal - Oil Level	
37	1701501	4	Decal - Arrow	
52	0641406	4	Bolt 1/4 x 3/4	
54	91403230	1	Box, Manual Storage	
56	3311405	AR	Nut 1/4	
57	3820001	6	Rivet	
58	4751400	AR	Washer 1/4	
64	1001112551	1	Decal - Emergency Controls	

FIGURE 9-3. DECAL INSTALLATION - BRAZIL SPEC (PORTUGUESE/ENGLISH)

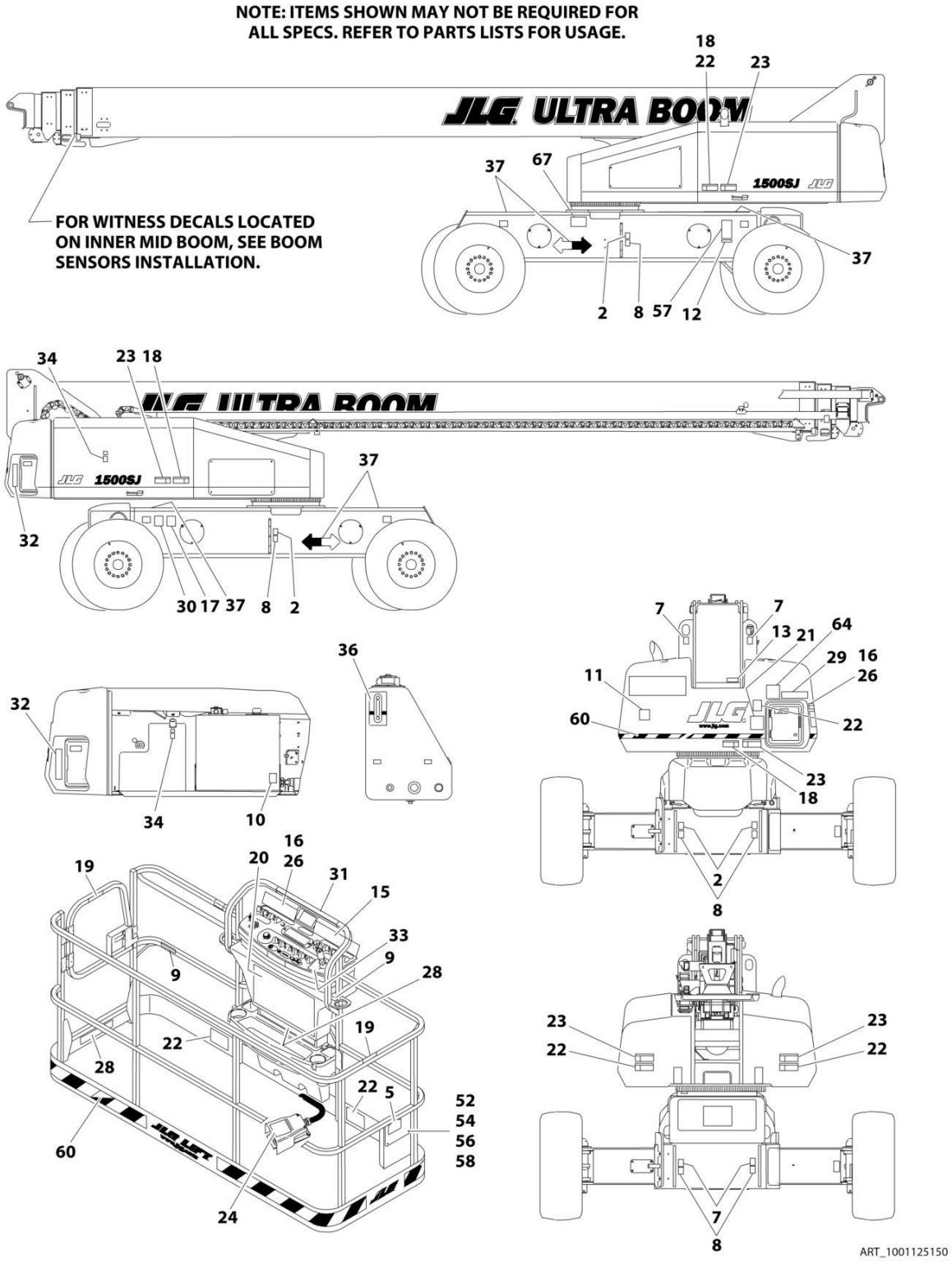

FIGURE 9-3. DECAL INSTALLATION - BRAZIL SPEC (PORTUGUESE/ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001123066	Ref	DECAL INSTALLATION - REFERENCE CHART	I
	1001125150	Ref	DECAL INSTALLATION - BRAZIL SPEC (PORTUGUESE/ENGLISH)	E
2	1701499	4	Decal - No Lift	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Tie Down/Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Attach Lanyard Here	
10	1704412	1	Decal - Hydraulic Oil Chart	
15	1705904	1	Decal - Tip Over **(SN 0300209000 through 0300241955)**	
16	1705906	AR	Decal - Tip Over Hazard	
17	1705901	1	Decal - Inspection	
18	1705903	3	Decal - Warning/Crushing	
19	1705967	2	Decal - No Hands	
20	1705895	1	Decal - Danger/Warning (Platform) **(SN 0300209000 through 0300241955)**	
20	1001231319	1	Decal - Danger/Warning (Platform) **(SN 0300241956 through 0300272505)**	
21	1705896	1	Decal - Danger/Warning (Ground Control)	
22	1705898	4	Decal - Warning Crushing	
23	1705897	5	Decal - Danger/Electrocution	
24	1705902	1	Decal - Footswitch	
28	1001125187	2	Decal - Capacity (Platform)	
29	1001125188	1	Decal - Capacity (Ground Control)	
31	1001130584	1	Decal - Legend (Platform)	
32	1705868	1	Decal - Legend (Ground Controls)	
33	1705905	1	Decal - Drive/Steer Instructions	
34	1701505	2	Decal - Fuel	
35	1706059	1	Decal - Warning Explosion/Fire (Not Shown - Located on Air Intake Box in Engine Compartment)	
36	1705511	1	Decal - Oil Level	
37	1701501	4	Decal - Arrow	
52	0641406	4	Bolt 1/4 x 3/4	
54	91403230	1	Box, Manual Storage	
56	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	4	Washer 1/4	
67	1001224052	1	Decal - Yearly Inspection **(SN 0300237553 through 0300272505)**	

FIGURE 9-4. DECAL INSTALLATION - CE SPEC

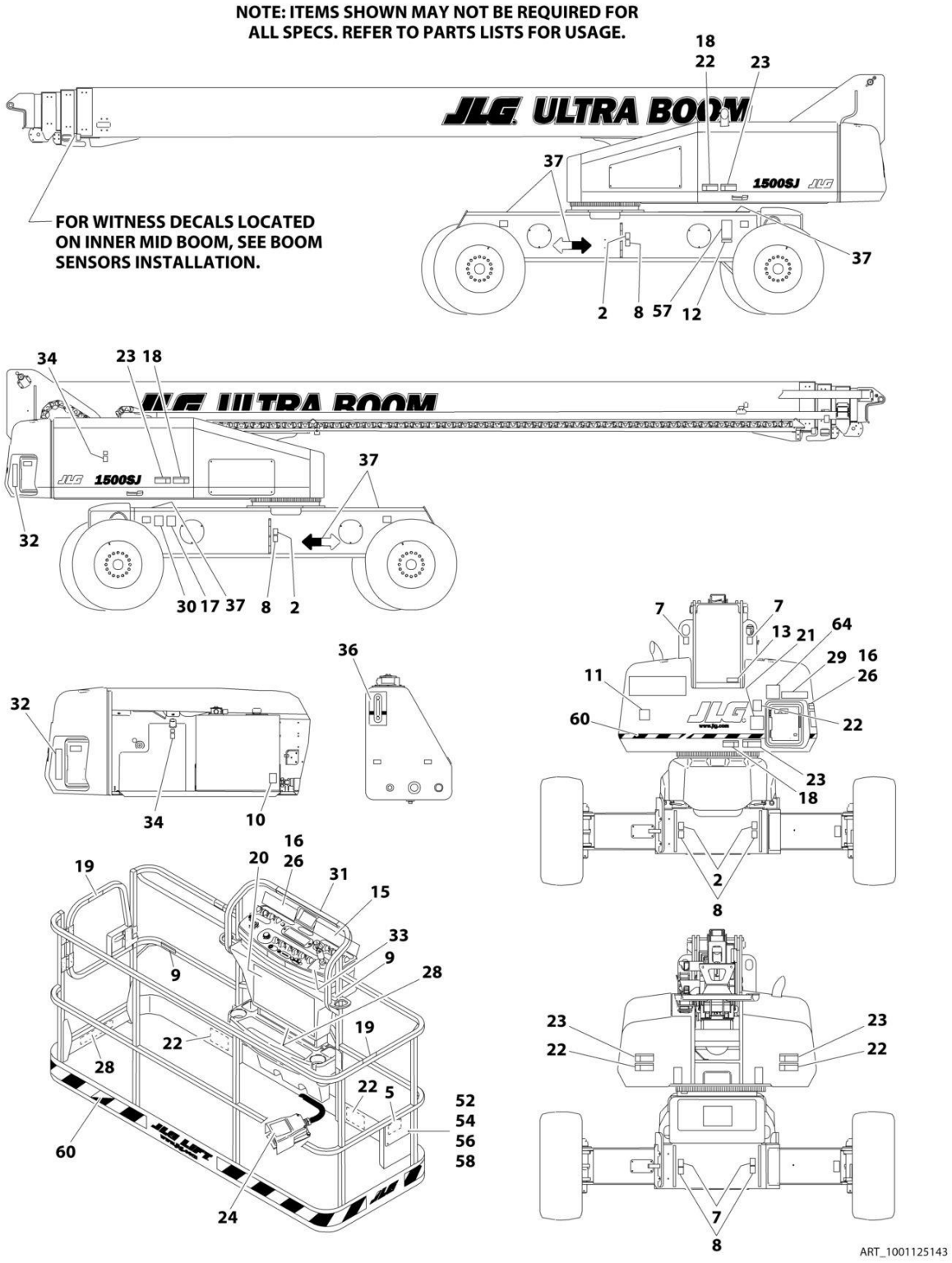

FIGURE 9-4. DECAL INSTALLATION - CE SPEC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001123066	Ref	DECAL INSTALLATION - REFERENCE CHART **(SN 0300209000 through 0300221604)**	G
	1001218384	Ref	DECAL INSTALLATION - REFERENCE CHART **(SN 0300221605 through 0300272505)**	A
	1001125143	Ref	DECAL INSTALLATION - CE SPEC	C
2	1701499	4	Decal - No Lift	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Tie Down/Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Attach Lanyard Here	
10	1704412	1	Decal - Hydraulic Oil Chart	
20	1705921	1	Decal - Tipping/Electrical (Platform)	
21	1705822	1	Decal - Electrical/Safety (Ground Control)	
22	1701518	7	Decal - Warning Crushing	
23	1705961	5	Decal - Danger Electrocution	
24	1705828	1	Decal - Footswitch	
28	1001125177	1	Decal - Capacity (Platform)	
29	1001125178	1	Decal - Capacity (Ground Control)	
34	1701505	2	Decal - Fuel	
35	1706098	1	Decal - Warning Explosion/Fire (Not Shown - Located on Air Intake Box in Engine Compartment)	
36	1705511	1	Decal - Oil Level	
37	1701501	4	Decal - Arrow	
52	0641406	4	Bolt 1/4 x 3/4	
54	91403230	1	Box, Manual Storage	
56	3311405	4	Nut 1/4	
57	3820001	6	Rivet	
58	4751400	AR	Washer 1/4	
60	4420051	29 ft/8.8m	Decal - Warning Stripes	

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

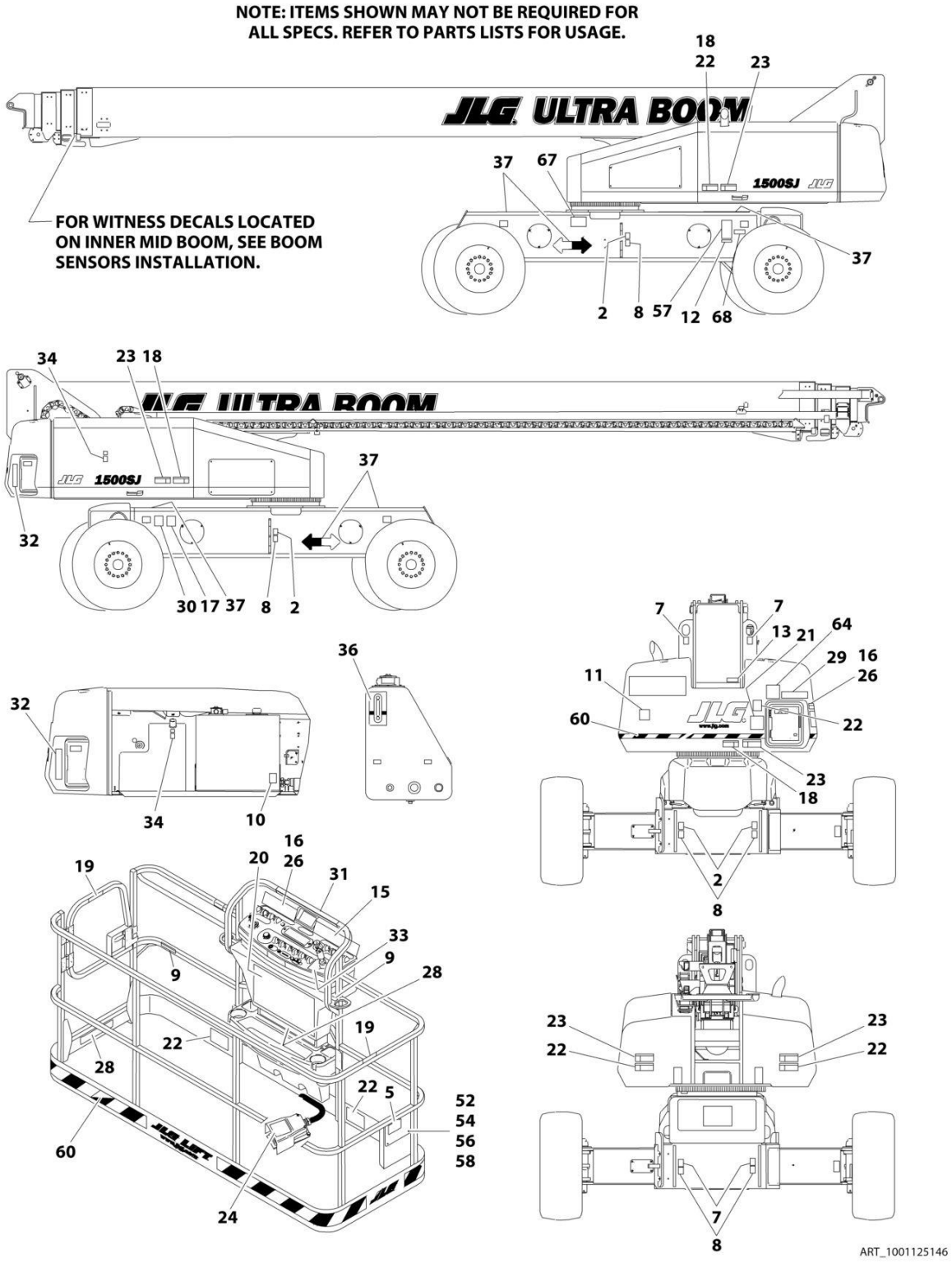

FIGURE 9-5. DECAL INSTALLATION - CSA SPEC (FRENCH/ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001123066	Ref	DECAL INSTALLATION - REFERENCE CHART	I
	1001125146	Ref	DECAL INSTALLATION - CSA SPEC (FRENCH/ENGLISH)	F
2	1701499	4	Decal - No Lift	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Tie Down/Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Attach Lanyard Here	
10	1704412	1	Decal - Hydraulic Oil Chart	
12	1705514	1	Decal - CSA	
13	3251243	1	Nameplate - 120V-60Hz	
15	1705341	1	Decal - Tip Over **(SN 0300209000 through 0300241955)**	
16	1705505	AR	Decal - Tip Over Hazard	
17	1704006	1	Decal - Inspection	
18	1703942	3	Decal - Warning/Crushing	
19	1704000	2	Decal - No Hands	
20	1703924	1	Decal - Danger/Warning (Platform) **(SN 0300209000 through 0300241955)**	
20	1001231316	1	Decal - Danger/Warning (Platform) **(SN 0300241956 through 0300272505)**	
21	1705347	1	Decal - Danger/Warning (Ground Control)	
22	1703948	4	Decal - Warning Crushing	
23	1703936	5	Decal - Danger/Electrocution	
24	1703984	1	Decal - Footswitch	
28	1001125181	2	Decal - Capacity (Platform)	
29	1001125182	1	Decal - Capacity (Ground Control)	
30	1001131269	1	Decal - Patent	
31	1001130584	1	Decal - Legend (Platform)	
32	1705868	1	Decal - Legend (Ground Controls)	
33	1705429	1	Decal - Drive/Steer Instructions	
34	1701505	2	Decal - Fuel	
35	1706064	1	Decal - Warning Explosion/Fire (Not Shown - Located on Air Intake Box in Engine Compartment)	
36	1705511	1	Decal - Oil Level	
37	1701501	4	Decal - Arrow	
52	0641406	4	Bolt 1/4 x 3/4	
54	91403230	1	Box, Manual Storage	
56	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	4	Washer 1/4	
67	1001223971	1	Decal - Yearly Inspection **(SN 0300237553 through 0300272505)**	
68	1001223453	1	Decal - ICES **(SN 0300241956 through 0300272505)**	

FIGURE 9-6. DECAL INSTALLATION - CHINESE SPEC (ENGLISH)

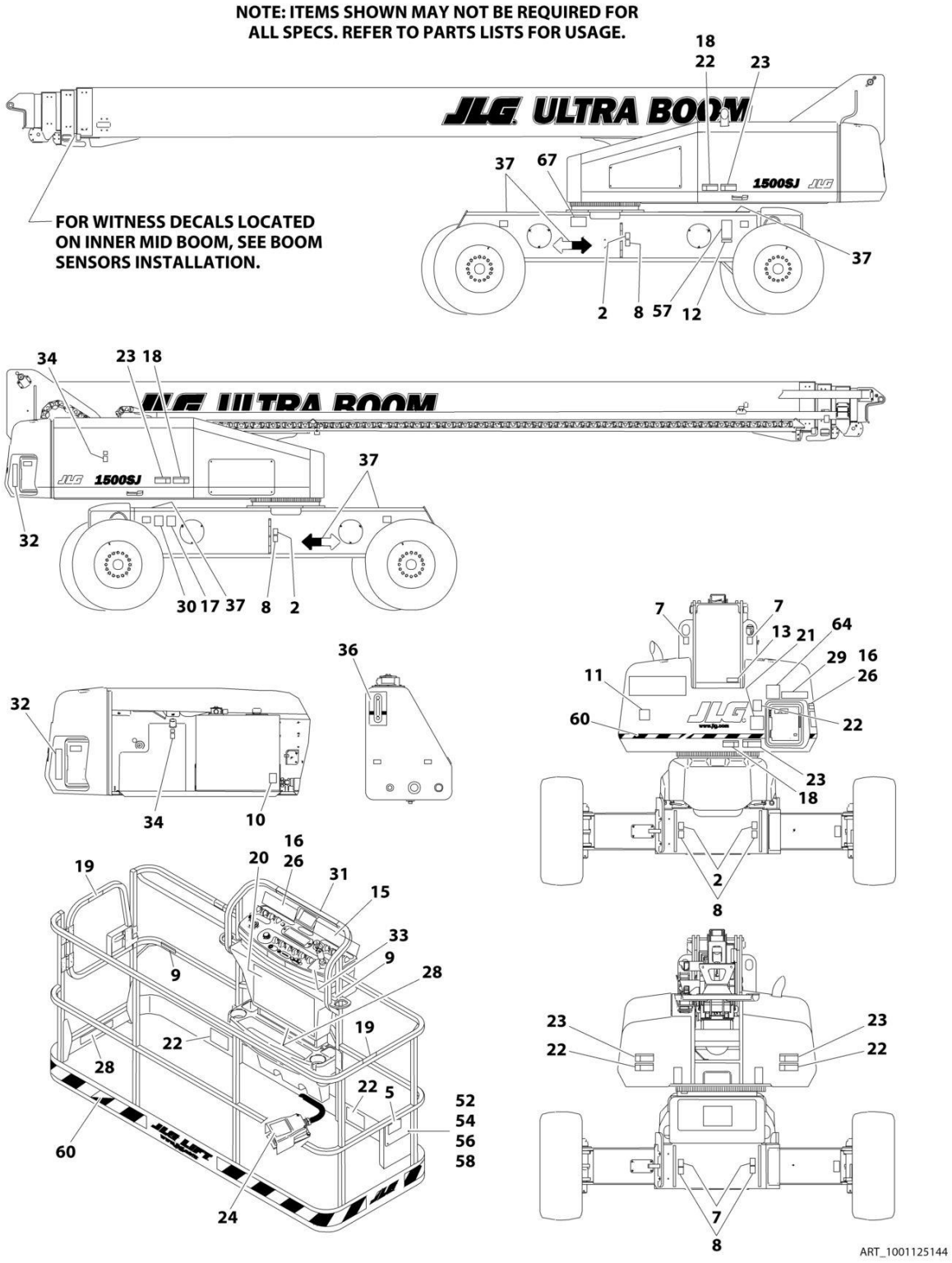

FIGURE 9-6. DECAL INSTALLATION - CHINESE SPEC (ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001123066	Ref	DECAL INSTALLATION - REFERENCE CHART	I
	1001125144	Ref	DECAL INSTALLATION - CHINESE SPEC (ENGLISH)	E
2	1701499	4	Decal - No Lift	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Tie Down/Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Attach Lanyard Here	
10	1704412	1	Decal - Hydraulic Oil Chart	
15	1705342	1	Decal - Tip Over **(SN 0300209000 through 0300241955)**	
16	1705507	AR	Decal - Tip Over Hazard	
18	1703943	3	Decal - Warning/Crushing	
19	1705968	2	Decal - No Hands	
20	1703925	1	Decal - Danger/Warning (Platform) **(SN 0300209000 through 0300241955)**	
20	1001231321	1	Decal - Danger/Warning (Platform) **(SN 0300241956 through 0300272505)**	
21	1705348	1	Decal - Danger/Warning (Ground Control)	
22	1703949	4	Decal - Warning Crushing	
23	1703937	5	Decal - Danger/Electrocution	
24	1703982	1	Decal - Footswitch	
28	1001125179	2	Decal - Capacity (Platform)	
29	1001125180	1	Decal - Capacity (Ground Control)	
31	1001130584	1	Decal - Legend (Platform)	
32	1705868	1	Decal - Legend (Ground Controls)	
33	1705430	1	Decal - Drive/Steer Instructions	
34	1701505	2	Decal - Fuel	
35	1706060	1	Decal - Warning Explosion/Fire (Not Shown - Located on Air Intake Box in Engine Compartment)	
36	1705511	1	Decal - Oil Level	
37	1701501	4	Decal - Arrow	
52	0641406	4	Bolt 1/4 x 3/4	
54	91403230	1	Box, Manual Storage	
56	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	4	Washer 1/4	
67	1001224050	1	Decal - Yearly Inspection **(SN 0300237553 through 0300272505)**	

FIGURE 9-7. DECAL INSTALLATION - JAPANESE SPEC (JAPANESE/ENGLISH)

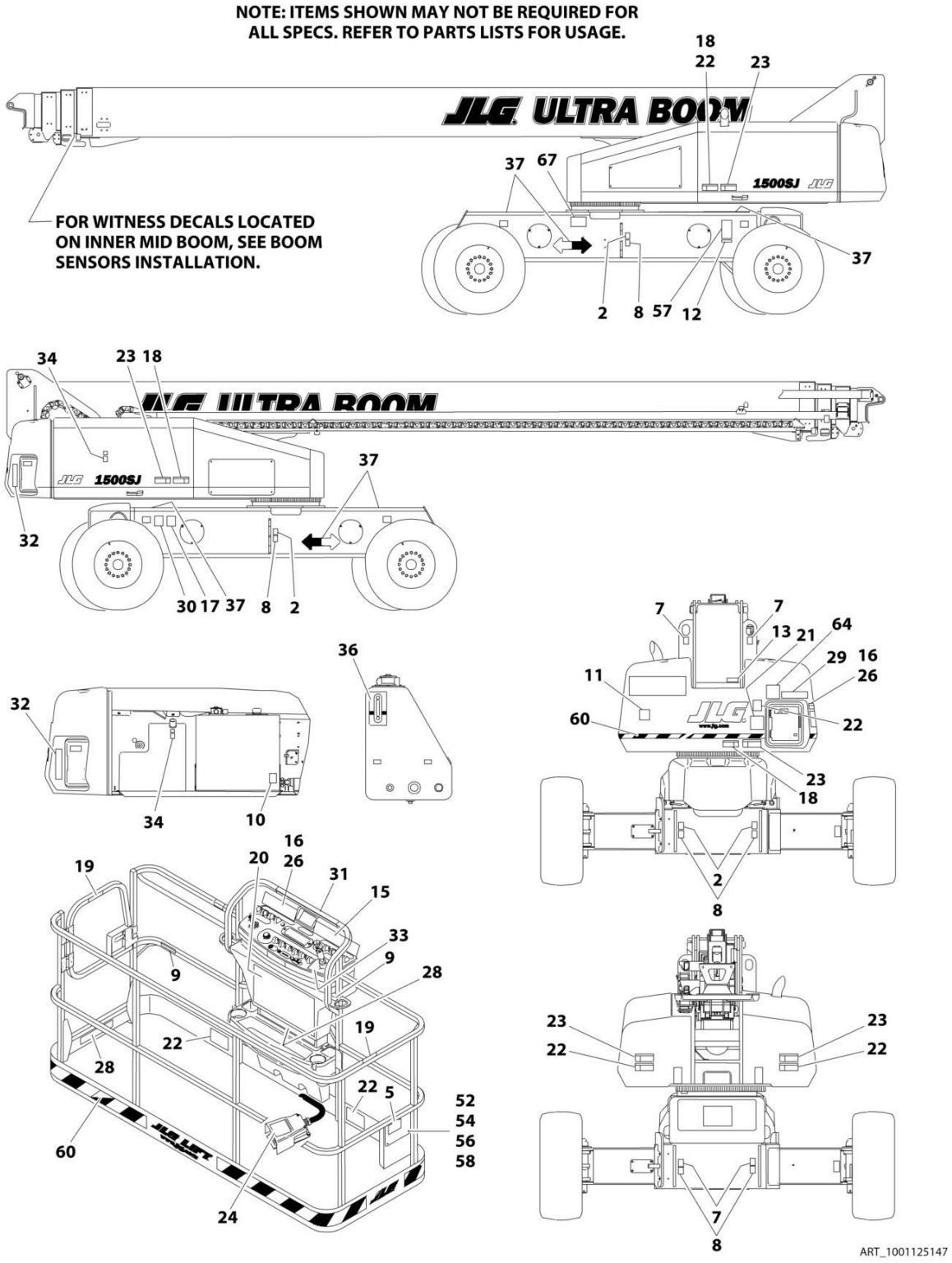

FIGURE 9-7. DECAL INSTALLATION - JAPANESE SPEC (JAPANESE/ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001123066	Ref	DECAL INSTALLATION - REFERENCE CHART	I
	1001125147	Ref	DECAL INSTALLATION - JAPANESE SPEC (JAPANESE/ENGLISH)	E
2	1701499	4	Decal - No Lift	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Tie Down/Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Attach Lanyard Here	
10	1704412	1	Decal - Hydraulic Oil Chart	
15	1705338	1	Decal - Tip Over **(SN 0300209000 through 0300241955)**	
16	1705493	AR	Decal - Tip Over Hazard	
18	1703944	3	Decal - Warning/Crushing	
20	1703926	1	Decal - Danger/Warning (Platform) **(SN 0300209000 through 0300241955)**	
20	1001231320	1	Decal - Danger/Warning (Platform) **(SN 0300241956 through 0300272505)**	
21	1705344	1	Decal - Danger/Warning (Ground Control)	
22	1703950	4	Decal - Warning Crushing	
23	1703938	5	Decal - Danger/Electrocution	
24	1703980	1	Decal - Footswitch	
28	1001125183	2	Decal - Capacity (Platform)	
29	1001125184	1	Decal - Capacity (Ground Control)	
31	1001130584	1	Decal - Legend (Platform)	
32	1705868	1	Decal - Legend (Ground Controls)	
33	1705426	1	Decal - Drive/Steer Instructions	
34	1701505	2	Decal - Fuel	
35	1704972	1	Decal - Warning Explosion/Fire (Not Shown - Located on Air Intake Box in Engine Compartment) **(SN 0300209000 through 0300237552)**	
35	1706062	1	Decal - Warning Explosion/Fire (Not Shown - Located on Air Intake Box in Engine Compartment) **(SN 0300237553 through 0300272505)**	
36	1705511	1	Decal - Oil Level	
37	1701501	4	Decal - Arrow	
52	0641406	4	Bolt 1/4 x 3/4	
54	91403230	1	Box, Manual Storage	
56	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	4	Washer 1/4	
67	1001224053	1	Decal - Yearly Inspection **(SN 0300237553 through 0300272505)**	

FIGURE 9-8. DECAL INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH)

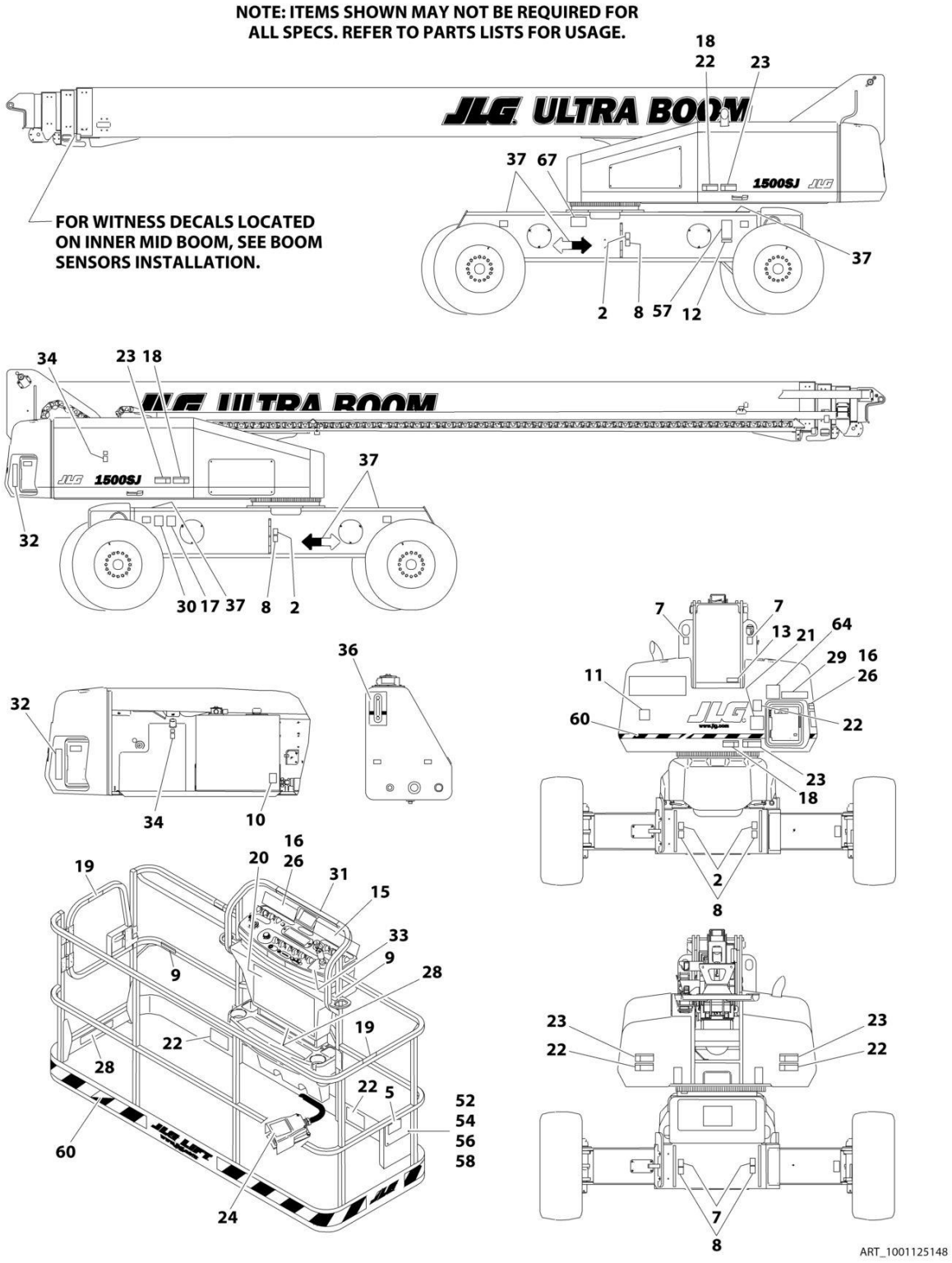

FIGURE 9-8. DECAL INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001123066	Ref	DECAL INSTALLATION - REFERENCE CHART	I
	1001125148	Ref	DECAL INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH)	E
2	1701499	4	Decal - No Lift	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Tie Down/Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Attach Lanyard Here	
10	1704412	1	Decal - Hydraulic Oil Chart	
15	1705339	1	Decal - Tip Over **(SN 0300209000 through 0300241955)**	
16	1705503	AR	Decal - Tip Over Hazard	
18	1703945	3	Decal - Warning/Crushing	
19	1705969	2	Decal - No Hands	
20	1703927	1	Decal - Danger/Warning (Platform) **(SN 0300209000 through 0300241955)**	
20	1001231317	1	Decal - Danger/Warning (Platform) **(SN 0300241956 through 0300272505)**	
21	1705345	1	Decal - Danger/Warning (Ground Control)	
22	1703951	4	Decal - Warning Crushing	
23	1703939	5	Decal - Danger/Electrocution	
24	1703981	1	Decal - Footswitch	
28	1001125185	2	Decal - Capacity (Platform)	
29	1001125186	1	Decal - Capacity (Ground Control)	
31	1001130584	1	Decal - Legend (Platform)	
32	1705868	1	Decal - Legend (Ground Controls)	
33	1705427	1	Decal - Drive/Steer Instructions	
34	1701505	2	Decal - Fuel	
35	1706061	1	Decal - Warning Explosion/Fire (Not Shown - Located on Air Intake Box in Engine Compartment)	
36	1705511	1	Decal - Oil Level	
37	1701501	4	Decal - Arrow	
52	0641406	4	Bolt 1/4 x 3/4	
54	91403230	1	Box, Manual Storage	
56	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	4	Washer 1/4	
67	1001224048	1	Decal - Yearly Inspection **(SN 0300237553 through 0300272505)**	

FIGURE 9-9. DECAL INSTALLATION - LATIN AMERICAN SPEC (SPANISH/ENGLISH)

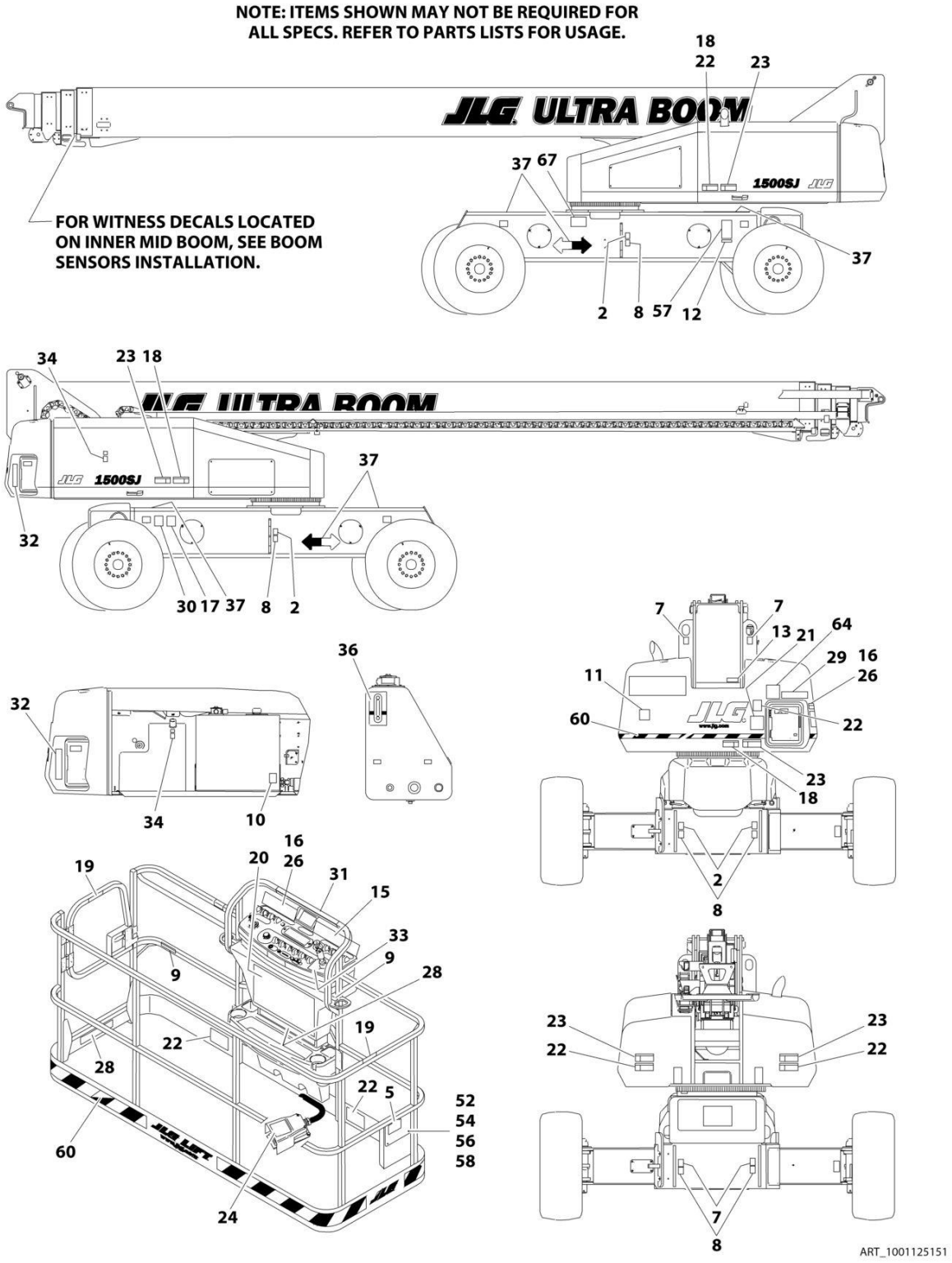

FIGURE 9-9. DECAL INSTALLATION - LATIN AMERICAN SPEC (SPANISH/ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001123066	Ref	DECAL INSTALLATION - REFERENCE CHART	I
	1001125151	Ref	DECAL INSTALLATION - LATIN AMERICAN SPEC (SPANISH/ENGLISH)	E
2	1701499	4	Decal - No Lift	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Tie Down/Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Attach Lanyard Here	
10	1704412	1	Decal - Hydraulic Oil Chart	
15	1705909	1	Decal - Tip Over **(SN 0300209000 through 0300241955)**	
16	1705915	AR	Decal - Tip Over Hazard	
17	1704007	1	Decal - Inspection	
18	1703941	3	Decal - Warning/Crushing	
19	1704001	2	Decal - No Hands	
20	1703923	1	Decal - Danger/Warning (Platform) **(SN 0300209000 through 0300241955)**	
20	1001231318	1	Decal - Danger/Warning (Platform) **(SN 0300241956 through 0300272505)**	
21	1705917	1	Decal - Danger/Warning (Ground Control)	
22	1703947	4	Decal - Warning Crushing	
23	1703935	5	Decal - Danger/Electrocution	
24	1703983	1	Decal - Footswitch	
28	1001125189	2	Decal - Capacity (Platform)	
29	1001125190	1	Decal - Capacity (Ground Control)	
31	1001130584	1	Decal - Legend (Platform)	
32	1705868	1	Decal - Legend (Ground Controls)	
33	1705910	1	Decal - Drive/Steer Instructions	
34	1701505	2	Decal - Fuel	
35	1706063	1	Decal - Warning Explosion/Fire (Not Shown - Located on Air Intake Box in Engine Compartment)	
36	1705511	1	Decal - Oil Level	
37	1701501	4	Decal - Arrow	
52	0641406	4	Bolt 1/4 x 3/4	
54	91403230	1	Box, Manual Storage	
56	3311405	4	Nut 1/4	
57	3820001	2	Rivet	
58	4751400	4	Washer 1/4	
67	1001224049	1	Decal - Yearly Inspection **(SN 0300237553 through 0300272505)**	

FIGURE 9-10. DECAL INSTALLATION - OPTIONS

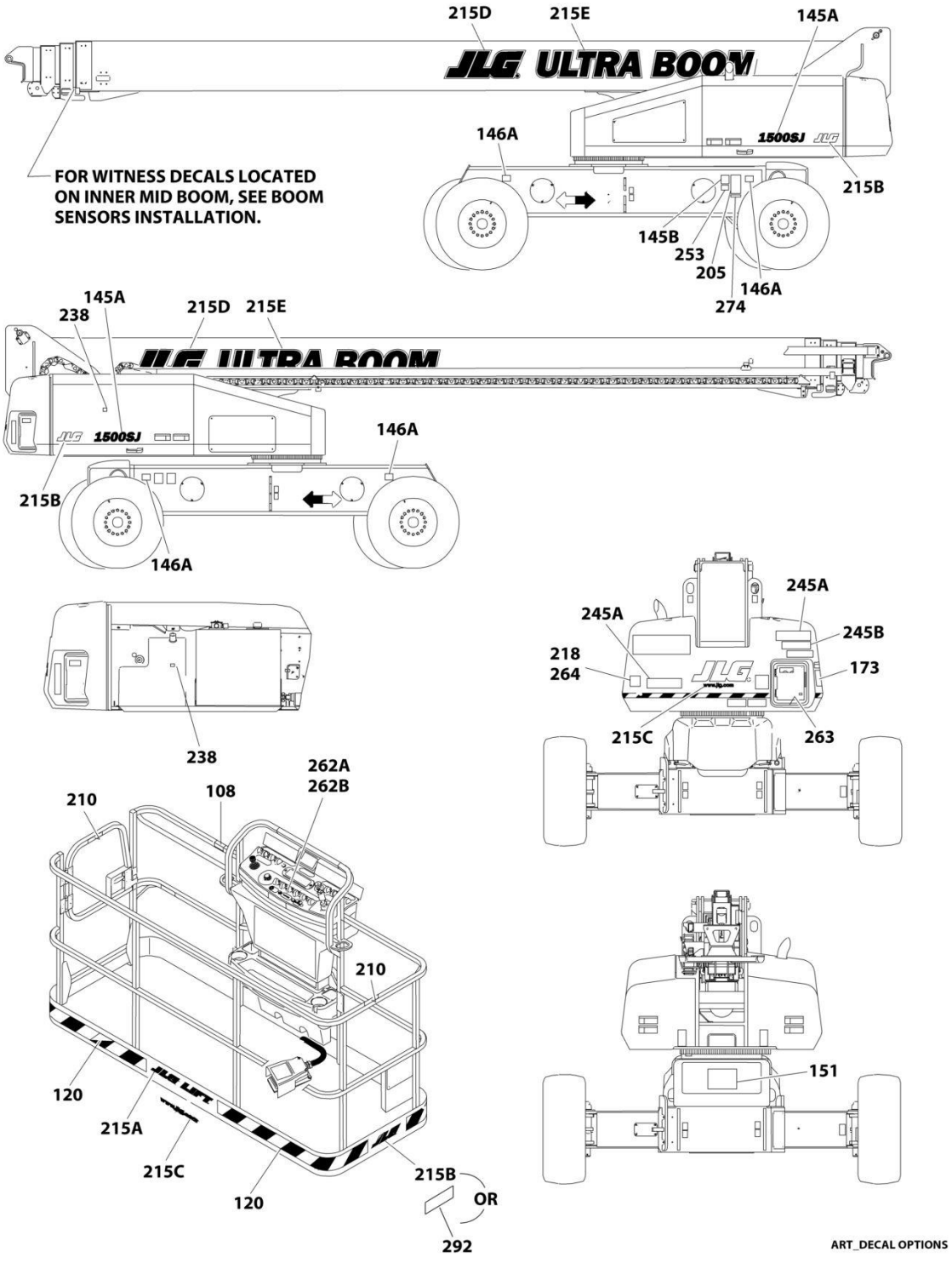

FIGURE 9-10. DECAL INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001123066	Ref	DECAL INSTALLATION - REFERENCE CHART	I
	1001160120	Ref	DECAL INSTALLATION - OPTIONS	AU
108	1702962	1	Decal - Warning (Proposition 65) (ANSI Spec Only) **(SN 0300209000 through 0300247535)**	
108	1001231801	1	Decal - Warning (Proposition 65) (ANSI Spec Only) **(SN 0300247536 through 0300272505)**	
120	4420051	29 ft/8.8m	Decal - Warning Stripes	
145	1001125152	1	Decal - Model Designation Installation	C
145A	1001125191	2	Decal - 1500SJ	
145B	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
146	1001125153	1	Decal - Max Tire Load Kit	1
146A	1001125192	4	Decal - Max Tire Load	
151	1001125274	1	Decal - Lift Diagram	
173	1001125196	1	Decal - Daily Check List - ANSI Spec	
173	1001125196	1	Decal - Daily Check List - Australian Spec	
173	1001125200	1	Decal - Daily Check List - Brazil Spec (Spanish/Portuguese)	
173	1001125198	1	Decal - Daily Check List - Chinese Spec (Chinese/English)	
173	1001125201	1	Decal - Daily Check List - CSA Spec (English/French)	
173	1001125209	1	Decal - Daily Check List - Danish Spec	
173	1001125203	1	Decal - Daily Check List - Dutch Spec	
173	1001172840	1	Decal - Daily Check List - Estonian Spec	
173	1001125207	1	Decal - Daily Check List - Finnish Spec	
173	1001125204	1	Decal - Daily Check List - French Spec	
173	1001125211	1	Decal - Daily Check List - German Spec	
173	1001125205	1	Decal - Daily Check List - Italian Spec	
173	1001125202	1	Decal - Daily Check List - Japanese Spec (Japanese/English)	
173	1001125197	1	Decal - Daily Check List - Korean Spec (Korean/English)	
173	1001125199	1	Decal - Daily Check List - Latin American Spec (Spanish/English)	
173	1001125210	1	Decal - Daily Check List - Norwegian Spec	
173	1001125212	1	Decal - Daily Check List - Polish Spec	
173	1001125200	1	Decal - Daily Check List - Portuguese Spec	
173	1001125206	1	Decal - Daily Check List - Spanish Spec	
173	1001125208	1	Decal - Daily Check List - Swedish Spec	
173	1001125196	1	Decal - Daily Check List - UK English Spec	
205	See Note	1	Decal - Nameplate (Note: Not Available for Purchase)	
210	1702868	2	Decal - No Hands - ANSI Spec	
210	1704000	2	Decal - No Hands - CSA Spec (French/English)	
210	1705969	2	Decal - No Hands - Korean Spec (Korean/English)	
215	1001116025	1	Decal - JLG Decal Installation	D
215A	1702774	1	Decal - JLG Lift	
215B	1702773	3	Decal - JLG	
215C	1704885	1	Decal - Website	
215D	1705864	2	Decal - JLG	
215E	1705865	2	Decal - Ultra Boom	
218	3251813	1	Decal - USA (ANSI, ANSI Export and CSA Specs)	
238	1001125387	1	Decal - Ultra Low Sulfur Fuel (Deutz TCD2.9L4 Engines) (ANSI and CSA Specs)	
238	1001139654	1	Decal - Ultra Low Sulfur Fuel (Deutz TCD2.9L4 Engines and Deutz TCD2.9L4 (Stage V) Engines) (ANSI Export (HRC), CE and Japanese Specs)	
245	1001120994	1	Decal - ClearSky Telematics Decal Installation	A

SECTION 9 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
245A	1001116208	2	Decal - ClearSky	
245B	1001120989	1	Decal - Radio Frequency Device	
253	1001143852	1	Decal – EPA (ANSI Export (LRC), CE (LRC) and Australian Specs)	
262A	1001141300	1	Decal - SkyGuard Override	
262B	1001141302	1	Decal - SkyGuard/Soft Touch Override	
263	1001197408	1	Decal - MSSO (CE Specs Only)	
264	1705980	1	Decal - Sound Power (Deutz TD2011 Engines)	
264	1001191525	1	Decal - Sound Power (Deutz TCD2.9L4 Engines and Deutz TCD2.9L4(Stage V) Engines)	
274	1001214029	1	Decal - EAC Installation (CIS and Russia Specs)	
274A	1001173703	1	Decal - EAC	
292	1001125175	1	Decal - Dual Capacity (ANSI Spec)	
292	1001125187	1	Decal – Dual Capacity (Brazil Spec - Dual Language English/Portuguese)	
292	1001125179	1	Decal – Dual Capacity (Chinese Spec - Dual Language English/Chinese)	
292	1001125181	1	Decal – Dual Capacity (CSA Spec - Dual Language English/French)	
292	1001125185	1	Decal – Dual Capacity (Korean Spec - Dual Language English/Korean)	
292	1001125189	1	Decal – Dual Capacity (Latin American - Dual Language English/Spanish)	
292	1001125183	1	Decal – Dual Capacity (Japanese Spec - Dual Language English/Japanese)	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
		Ref	STANDARD PARTS	
	4360505	1	Switch	
	7018991	1	Coil	
	7012944	1	Coil	
	3740067	1	Relay	
	7011354	1	Coil	
	7017451	1	Coil	
	7024571	1	Coil	
	70002231	12	Element, Pressure Filter	
	3740080	1	Relay	
	7024444	12	Breather, Hydraulic Oil Tank	
	7024375	12	Element, Hydraulic Oil Filter	
	4360274	1	Switch, Push Button	
	4360328	1	Switch, Toggle	
	4360475	1	Switch, Mushroom	
	4360476	1	Contact, Switch Block	
	2860030	1	Key, Replacement	
	70003923	1	Jib Power Track Repair Kit	
	70003917	1	Boom Power Track Repair Section	
	70003913	1	Boom Power Track Repair Section	
	70003026	1	Coil	
	7024885	1	Coil	
	70022147	1	Coil	
	7024883	1	Coil	
	2940074	1	Latch, Platform	
	1001129555	1	Controller, Lift and Swing	
	1001212415	1	Controller, Drive and Steer	
	1001159256	1	Switch, Toggle	
	1001161709	1	Switch, Toggle	
	4360387	1	Switch, Push Button	
	1001161710	1	Switch, Toggle	
	1001155045	1	Switch, Toggle	
	4360407	1	Controller, Speed	
	3990001	2	Diode - 3Amp	
	2400064	2	Fuse	
	2400065	2	Fuse	
		Ref	VARIABLE PARTS	
	4360578	1	Switch, Limit	
	1001112758	1	Module (Chassis)	
	1001227960	1	Module, B.L.A.M.	
	7027795	1	Module, Deutz Engine	
	7016331	12	Element, Deutz TD2011 Engine Oil Filter	
	7016328	12	Element, Deutz TD2011 Engine Fuel	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7003655	12	Element, Deutz TD2011 Engine Air Filter	
	70024190	12	Element, Deutz TCD2.9L4 Air Filter	
	7026031	1	Sensor, Proximity	
	1001119509	1	Module, Ground Control	
	1001119512	1	Module, Repeater	
	4360469	1	Switch, Key (All Specs except CE Spec)	
	4360336	1	Switch, Toggle (Generator Options)	
	4360070	1	Circuit Breaker 15Amp (Machines with Generator)	
	4000008	1	Switch, Jib Lock Proximity	
	4360527	1	Switch, Cable Break	
	4360543	1	Sensor, Boom Length	
	1001147479	1	Sensor, Angle Indicator	
	1001118971	1	Switch, Angle Indicator (Main Boom Protractor) Proximity	
	1001135479	1	Switch, Angle Indicator (Jib Rotate) Proximity	
	1001120104	1	Switch, Jib Telescope Proximity	
	1001119262	1	Module, Jib Control	
	1001117174	1	Footswitch Kit	
	1600387	1	Module, LSS System	
	1600343	1	Module, Platform Control	
	1001181045	1	Circuit Breaker 30mAmp/16Amp (CE Spec Machines)	

SECTION 11 - SPECIAL OPTIONS

SECTION 11 - SPECIAL OPTIONS

FIGURE 11-1. SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	MISCELLANEOUS SPECIAL OPTIONS	
	0272078	Ref	Accessory Counterweight (Required with SkyWelder and/or Fall Arrest Platform Options)	
	1340067	Ref	Air Cleaner Pre-Cleaner	
	1001120325	Ref	Airline Installation, 1/2	
	1001202697	Ref	Air Intake Shut-off Valve (Deutz TCD2.9L4 Engines) (ANSI and CSA Specs)	
	0271803	Ref	Bellows, Cylinder (Fixed Axle)	
	0271804	Ref	Bellows, Cylinder (Oscillating Axle)	
	1001122591	Ref	Bellows, Cylinder (Boom)	
	0271875	Ref	Boom Wipers Installation (Boom)	
	1001134627	Ref	Boom Wipers Installation (Jib)	
		Ref	ClearSky (Telematics) Installations (Dealer Installed)	
	1001242192	Ref	ClearSky (Telematics) Access Control Installation Kit (Dealer Installed) (ANSI, ANSI Export and CSA Specs)	
	1001243183	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (ANSI, ANSI Export and CSA Specs)	
	1001243184	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (CE Specs)	
	1001234099	Ref	ClearSky Telematics Kit (Dealer Installed) (CE Specs)	
		Ref	ClearSky (Telematics) Installations (Factory Installed)	
	1001112988	Ref	ClearSky Telematics (ANSI Spec) **(SN 0300209000 through 0300234714)**	
	1001132730	Ref	ClearSky Telematics (Australian Spec) **(SN 0300209000 through 0300234714)**	
	1001127092	Ref	ClearSky Telematics (Brazil and New Zealand Specs) **(SN 0300209000 through 0300234714)**	
	1001112973	Ref	ClearSky Telematics (CSA Spec) **(SN 0300209000 through 0300234714)**	
	1001227451	Ref	ClearSky Telematics Installation - Canbus Connection (ANSI & CSA Specs)	
	1001246127	Ref	ClearSky Telematics Installation - Canbus Connection (Australian Specs)	
	1001228952	Ref	ClearSky Telematics Installation - Canbus Connection (ANSI Export and CE Specs)	
	1001246128	Ref	ClearSky Telematics Installation - Canbus Connection (China Specs)	
	1001229107	Ref	ClearSky Telematics Installation - 3 Wire Connection (ANSI & CSA Specs)	
	1001233237	Ref	ClearSky Telematics Installation - 3 Wire Connection (ANSI Export and CE Specs)	
	0273862	Ref	Cold Weather Package (Deutz TD2011 Engines)	
	1001235617	Ref	Cold Weather Package (Deutz TCD2.9L4 Engines and Deutz TCD2.9L4 (Stage V) Engines)	
	1001205036	Ref	Cold Weather Plus Package Kit (Deutz TCD2.9L4 Engines)	
	1001233047	Ref	Crankcase Breather Heater Kit (Deutz TCD2.9L4 Engines)	
	1001216363	Ref	Cribbing Enable Installation	
		Ref	Decals Installations	
	1702788	Ref	Decal - Biodegradable Hydraulic Fluid (English)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1703479	Ref	Decal - Biodegradable Hydraulic Fluid (German)	
	1001200067	Ref	Decal - Quick Start Guide (CE Spec) (Danish Decal) (For LOXAM Rentals Only)	
	1001200065	Ref	Decal - Quick Start Guide (CE Spec) (Dutch Decal) (For LOXAM Rentals Only)	
	1001177562	Ref	Decal - Quick Start Guide (CE Spec) (English Decal) (For LOXAM Rentals Only)	
	1001200064	Ref	Decal - Quick Start Guide (CE Spec) (French Decal) (For LOXAM Rentals Only)	
	1001200066	Ref	Decal - Quick Start Guide (CE Spec) (German Decal) (For LOXAM Rentals Only)	
	1001200071	Ref	Decal - Quick Start Guide (CE Spec) (Norwegian Decal) (For LOXAM Rentals Only)	
	1001200070	Ref	Decal - Quick Start Guide (CE Spec) (Spanish Decal) (For LOXAM Rentals Only)	
	1001200069	Ref	Decal - Quick Start Guide (CE Spec) (Swedish Decal) (For LOXAM Rentals Only)	
	0272599	Ref	Decal - SkyCutter (ANSI and ANSI Export Specs)	
	0272607	Ref	Decal - SkyCutter (Japan Spec)	
	0272418	Ref	Decal - SkyGlazier	
	0272435	Ref	Decal - SkyPower (60Hz) (ANSI and ANSI Export Specs)	
	0272589	Ref	Decal - SkyPower (50Hz) (Australian and CE Specs)	
	0272448	Ref	Decal - SkyWelder (ANSI and ANSI Export Specs)	
	0272588	Ref	Decal - SkyWelder (Australian and CE Specs)	
	1705307	1	Decal - Tool Location	
	4420051	Ref	Decal - Warning Stripe	
		Ref	Decal Kits	
	2902307	Ref	Decal Kit - Country Spec (ANSI Spec) **(SN 0300209000 through 0300241955)**	
	1001232172	Ref	Decal Kit - Country Spec (ANSI Spec) **(SN 0300241956 through 0300272505)**	
	2902329	Ref	Decal Kit - Country Spec (Australian and CE Specs)	
	2902312	Ref	Decal Kit - Country Spec (Brazilian Spec) **(SN 0300209000 through 0300241955)**	
	1001232176	Ref	Decal Kit - Country Spec (Brazilian Spec) **(SN 0300241956 through 0300272505)**	
	2902309	Ref	Decal Kit - Country Spec (Chinese Spec) **(SN 0300209000 through 0300241955)**	
	1001232178	Ref	Decal Kit - Country Spec (Chinese Spec) **(SN 0300241956 through 0300272505)**	
	2902322	Ref	Decal Kit - Country Spec (CSA Spec) **(SN 0300209000 through 0300241955)**	
	1001232173	Ref	Decal Kit - Country Spec (CSA Spec) **(SN 0300241956 through 0300272505)**	
	2902308	Ref	Decal Kit - Country Spec (Japanese Spec) **(SN 0300209000 through 0300241955)**	
	1001232177	Ref	Decal Kit - Country Spec (Japanese Spec) **(SN 0300241956 through 0300272505)**	
	2902310	Ref	Decal Kit - Country Spec (Korean Spec) **(SN 0300209000 through 0300241955)**	
	1001232174	Ref	Decal Kit - Country Spec (Korean Spec) **(SN 0300241956 through 0300272505)**	
	2902311	Ref	Decal Kit - Country Spec (Latin American Spec) **(SN 0300209000 through 0300241955)**	
	1001232175	Ref	Decal Kit - Country Spec (Latin American Spec) **(SN 0300241956 through 0300272505)**	

SECTION 11 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193646	Ref	Decal Kit - Machine	
	2902303	Ref	Decal Kit - Master (All Specs except Australian and CE Specs)	
	1001104651	Ref	Decal Kit - Master (Australian and CE Specs)	
	1001143931	Ref	Decal Kit - Platform (ANSI Spec)	
	1001143930	Ref	Decal Kit - Platform Console Box	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Amp/Tyco Electrical Connector Kit	
	1001148903	Ref	Deutsch DT Electrical Connector Kit	
	1001148904	Ref	Deutsch HD Electrical Connector Kit	
	1001148905	Ref	Packard Electrical Connector Kit	
	1001148906	Ref	Various Electrical Connectors Kit	
	1001246867	Ref	Enhanced Detection System (EDS) Level 1 (2-Bar) Installation Kit	
	1001246860	Ref	Enhanced Detection System (EDS) Level 2 (3-Bar) Installation Kit	
	1001237883	Ref	Fall Arrest (Bolt-on) Add-on Kit (6ft/1.82m Platform) (ANSI, ANSI Export, China, CSA & Japanese Specs Only) (Fits Platform p/ns 1001186384)	
	1001237882	Ref	Fall Arrest (Bolt-on) Add-on Kit (8ft/2.4m Platform) (ANSI, ANSI Export, China, CSA & Japanese Specs Only) (Fits Platform p/ns 1001186383)	
	1001182600	NLA	Fan and Belt Shield Kit (Deutz TD2011 Engines Only) (Use p/n 1001202221)	
	1001202221	Ref	Fan and Belt Shield Kit (Deutz TD2011 Engines Only)	
	1001185079	NLA	Fan and Belt Shield Add-on Kit (Deutz TD2011 Engines Only) (Use p/n 1001206794)	
	1001206794	Ref	Fan and Belt Shield Add-on Kit (Deutz TD2011 Engines Only)	
	1001145708	Ref	Fan Guard Installation (Deutz TCD2.9L4 Engines and Deutz TCD2.9L4 (Stage V) Engines Only)	
	1001203564	Ref	Fan and Belt Guard Installation (Deutz TCD2.9L4 Engines and Deutz TCD2.9L4 (Stage V) Engines Only)	
	1001206797	Ref	Fan and Belt Guard Add-on Kit (Deutz TCD2.9L4 Engines Only)	
		Ref	Filter Kits:	
	1001133071	1	Combined Filter Kit (Hydraulic/Air and Fuel/Engine Oil) (Deutz TD2011 Engines)	
	1001181151	1	Combined Filter Kit (Hydraulic/Air and Fuel/Engine Oil) (Deutz TCD2.9L4 Engines)	
	1001133068	1	Hydraulic/Air Filter (Deutz TD2011 Engines)	
	1001182241	1	Hydraulic/Air Filter (Deutz TCD2.9L4 Engines)	
	1001110133	1	Engine - Fuel/Engine Oil Filter (Deutz TD2011 Engines)	
	1001182242	1	Engine - Fuel/Engine Oil Filter (Deutz TCD2.9L4 Engines)	
	1001139099	Ref	Fire Extinguisher Installation	
		Ref	Fluids	
	3020008	Ref	Drive Hub Lubricant	
		Ref	Hydraulic Fluid	
	2300014	Ref	Mobil 424	
	2300029	Ref	Mobil EAL ISO 46 Bio	
	2300016	Ref	Mobil DTE 10 EXCEL 32	
	2300021	Ref	Union Carbide Ucon HP5046 Fire Resistant	
	2300039	Ref	Exxon Univis (Arctic Package)	
	1001117294	Ref	Foot Switch Shield	
	1001191395	Ref	Fuel Cap Cover (Lockable) (Green)	
	1001202749	Ref	Fuel Cap Cover (Lockable) (Black)	
	1001222665	Ref	Fuel Pump Harness Kit (Deutz TCD2.9L4 Engines)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176291	Ref	Generator Kit - 4000W 50Hz (Deutz TD2011 Engines)	
	1001213601	Ref	Generator Kit - 4000W 60Hz (Deutz TD2011 Engines)	
	1001211801	Ref	Generator Kit - 4000W 50Hz (Deutz TCD2.9L4 Engines)	
	1001213600	Ref	Generator Kit - 4000W 60Hz (Deutz TCD2.9L4 Engines)	
	1001220149	Ref	Generator Cable Kit - 4000W 60Hz	
	1001103286	Ref	Generator Hourmeter Installation	
	0271769	Ref	Headlight and Taillights Installation	
	1001228431	Ref	Hose/Cable Protection Installation (Boom)	
	1001187456	Ref	Hose/Cable Protection Installation - Without LSS (Platform)	
	1001233494	Ref	Hose/Cable Protection Installation - With LSS (Platform)	
	1001239634	Ref	Hose Kit - Jib Valve	
	1001204900	Ref	Platform Valve Hose Kit	
	1001187787	Ref	Hose Kit - Upper Power Track	
	1001241420	Ref	Hostile Environment Kit	
	0271808	Ref	Illumination Lights Installation	
	1001120362	Ref	Intercom System (David Clark)	
	1001148971	Ref	Lanyard (Bolt-on) Installation Kit	
	1001230625	Ref	LCD Display Kit (Low Rail)	
	1001230626	Ref	LCD Display Kit (High Rail)	
	1001183407	Ref	Low Temperature Cutout Installation (Russian Specs) **(SN 0300240302 through 0300245803)**	
	1001236951	Ref	Low Temperature Cutout Installation (Russian Specs) **(SN 0300245804 through 0300272505)**	
		Ref	Platform Cable Carrier Installation Options:	
	1001116419	NLA	30in Platform (Use 1001172045) **(SN 0300209000 through 0300224753)**	
	1001116420	NLA	36in Platform (Use 1001172045) **(SN 0300209000 through 0300224753)**	
	1001172045	Ref	Platform Cable Carrier Installation **(SN 0300224754 through 0300272505)**	
	1001197436	Ref	Platform Console Cover Installation	
	1580013	Ref	Platform Corner Storage Tray	
		Ref	Platform Entry Kits	
	1001142504	Ref	Drop Bar (Replacing Swing Gate with Drop Bar)	
	1001142505	Ref	Swing Gate (Replacing Drop Bar with Swing Gate)	
	1001120467	Ref	Platform Floodlights Installation	
		Ref	Platform Mesh to Top Rail Installations	
	0273145	Ref	36in x 8ft (91.5cm x 2.44m) (ANSI Spec)	
	0273149	Ref	36in x 6ft (91.5cm x 1.83m) (ANSI and ANSI Export Specs)	
		Ref	Platform Mesh to Top Rail Kits	
	1001214562	Ref	36in x 8ft (91.5cm x 2.44m) (ANSI Specs)	
	1001214561	Ref	36in x 6ft (91.5cm x 1.83m) (ANSI Specs)	
	1001214552	Ref	30in x 4ft (76.2cm x 1.22m) (ANSI Specs)	
		Ref	Platform Mesh to Mid Rail Installations	
	1001138773	Ref	36in x 8ft (91.5cm x 2.44m) (ANSI, ANSI Export and Australian Specs)	
	1001138772	Ref	36in x 6ft (91.5cm x 1.83m) (ANSI, ANSI Export and Australian Specs)	
	1001140318	Ref	30in x 4ft (76.2cm x 1.22m) (ANSI, ANSI Export and Australian Specs)	
		Ref	Platform Mesh to Mid Rail Kits	
	1001214548	Ref	36in x 8ft (91.5cm x 2.44m) (ANSI Specs)	
	1001214540	Ref	36in x 6ft (91.5cm x 1.83m) (ANSI Specs)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214478	Ref	30in x 4ft (76.2cm x 1.22m) (ANSI Specs)	
	1001149730	Ref	Platform Mid Rail Repair Kit	
		Ref	Platform Rail Extensions	
	0272733	Ref	6ft Platform	
	0272725	Ref	8ft Platform	
	1001120466	Ref	Platform Worklights Installation	
	1001209059	Ref	Platform Work Surface Installation	
	1001171131	Ref	Receptacle (240V GFCI) Installation (4000W Generator)	
	1001159121	Ref	Receptacle (240V GFCI) Installation (7500W Generator)	
	1001247073	Ref	SkyEye Retrofit Kit	
	1001197016	Ref	SkyGuard Installation Kit	
	1001208923	Ref	SkyGuard Complete Add-on Kit (Blue Beacon) (Use p/n 1001209481)	
	1001210043	Ref	SkyGuard Complete Add-on Kit (Red Beacon)	
	1001137672	Ref	SkyGuard Platform Sensor Kit	
	1001206544	Ref	SkyGuard Strobe Light Kit (Blue Beacon)	
	1001210028	Ref	SkyGuard Strobe Light Kit (Red Beacon)	
	1001232643	Ref	SkyLine Kit	
	1001231235	Ref	SkyWelder Locking Bracket	
	0273824	Ref	Soft Touch System Installation - 6ft/1.8m Platforms	
	0272427	Ref	Soft Touch System Installation - 8ft/2.4m Platforms	
	0273706	Ref	Soft Touch System Installation - 6ft/1.8m Platforms (With Fall Arrest)	
	1001228964	Ref	Telematics Retrofit Harness Kit (Machines with UGM)	
		Ref	Tools For Service:	
	2901443	1	Analyzer Kit	
	0272048	Ref	Boom Cable Tools Installation	
	4120040	1	Socket 3/4	
	4120043	1	Socket 2	
	1705307	1	Decal - Tool Location	
	7002821	Ref	Crimper, Wire	
	7002823	Ref	Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460467	1	Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460510	1	Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016654	Ref	Screwdriver, Magnetic	
	7002822	Ref	Screwdriver, Potentiometer	
	7004275	Ref	Seal Tool 1 (For Cylinders)	
	7004276	Ref	Seal Tool 1 1/2 (For Cylinders)	
	7002828	Ref	Stripper, Wire	
	4921850	1	Throttle Service Harness	
	70004185	1	Torque Multiplier	
	7016655	1	Wire Rope Sheave Gauge	
	1001137005	1	Software Cable Kit	
	70004646	1	Puller (Hub Assembly)	
	70004647	1	Seal Tool (Hub Assembly)	
	70004648	1	Puller (Hub Assembly)	
	1001143927	Ref	Wire Rope Kit	

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