Illustrated Parts Manual

Model 340AJ

SN 0300200802
TO SN 0300272222
EXCLUDING SN 0300272191
TO SN 0300272192

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An Oshkosh Corporation Company

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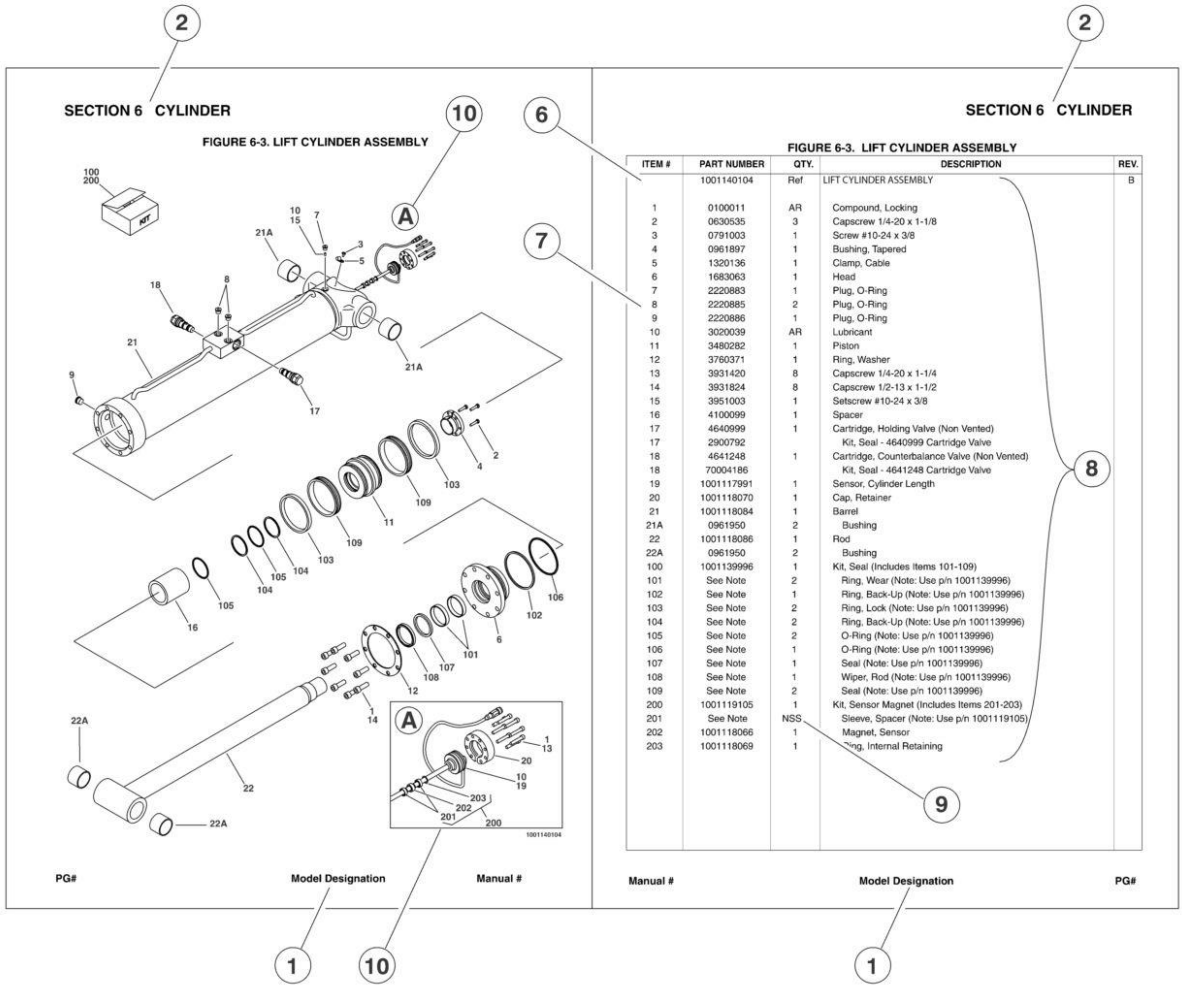
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GENERAL INFORMATION



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) ABBREVIATION 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. STEERING INSTALLATION

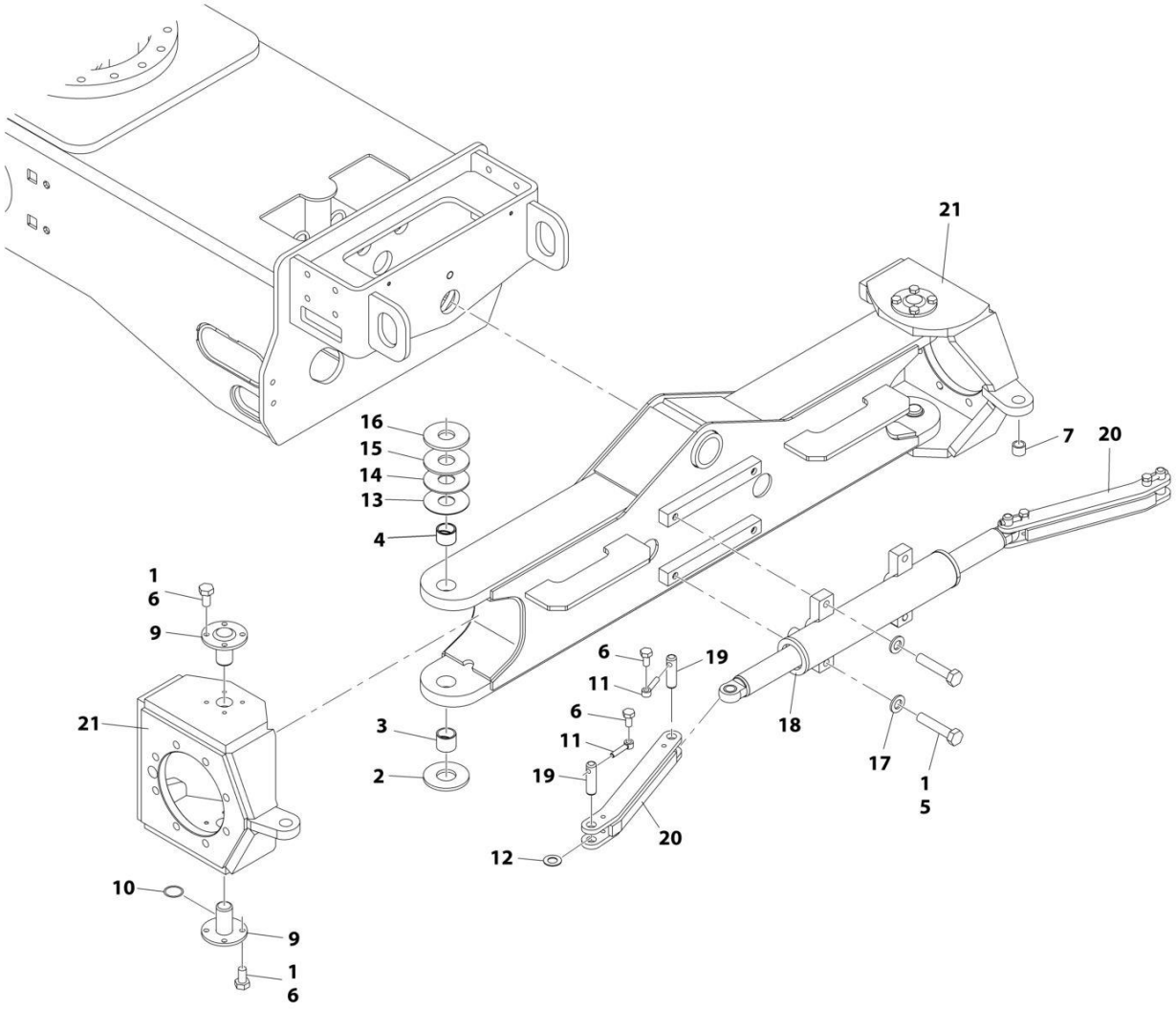


FIGURE 1-1. STEERING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115771	Ref	STEERING INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0440271	2	Thrustwasher .250	
3	0440274	2	Bearing	
4	0440291	2	Bearing	
5	0701220	4	Bolt M12 x 60	
6	0761010	20	Bolt M16 x 20	
7	0962140	2	Bushing	
9	3423081	4	Kingpin	
10	3780182	2	O-Ring	
11	3841520	4	Keeper, Pin	
12	4740086	4	Thrustwasher .0625	
13	4740537	2	Thrustwasher .625	
14	4740538	2	Thrustwasher .125	
15	4740539	2	Thrustwasher .188	
16	4740540	2	Thrustwasher .250	
17	4812100	4	Washer M12	
18	1001116788	1	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
19	1001116867	4	Pin, Pivot	
20	1001116871	2	Link, Tie-Rod	
21	1001117142	2	Spindle	

FIGURE 1-2. OSCILLATING AXLE INSTALLATION

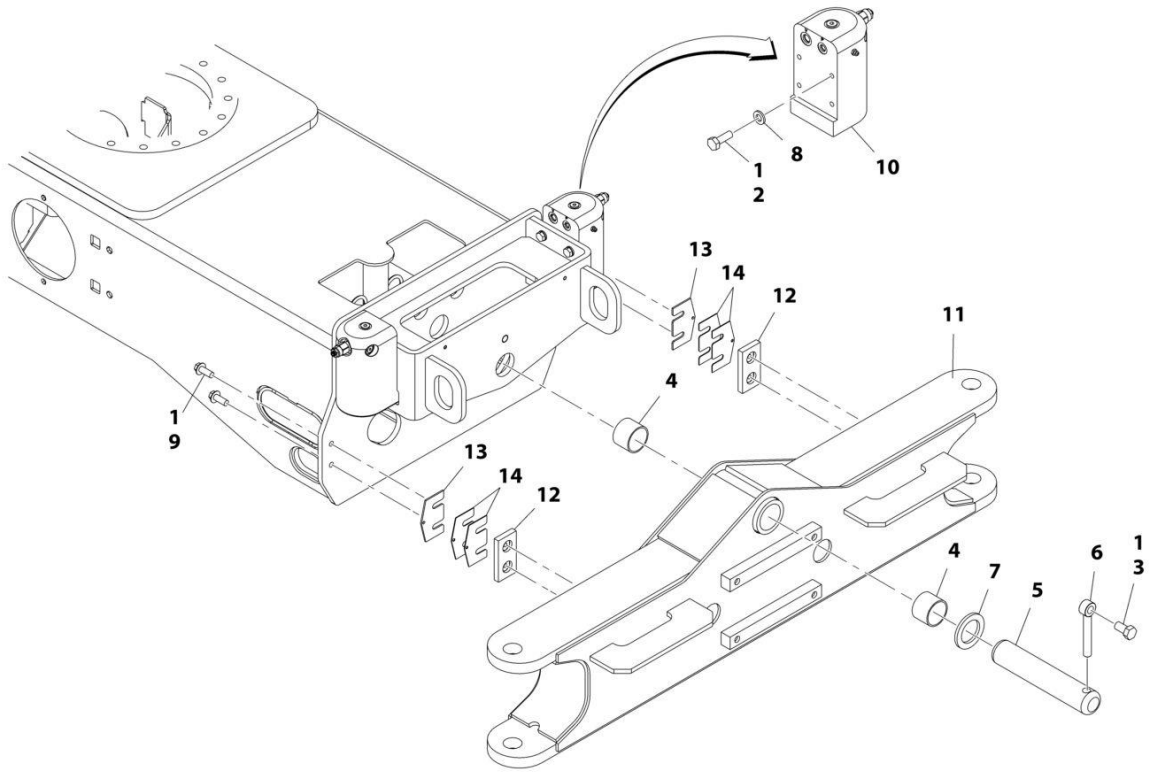


FIGURE 1-2. OSCILLATING AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115772	Ref	OSCILLATING AXLE INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0761014	8	Bolt M10 x 30	
3	0761614	1	Bolt M16 x 30	
4	0961950	2	Bushing	
5	1001185030	1	Pin, Axle Pivot	
6	3841258	1	Keeper, Pin	
7	4740158	1	Thrustwasher	
8	5241000	8	Washer M10	
9	5251012	4	Bolt M10 x 25	
10	1001116361	2	Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
11	1001117869	1	Axle Weldment	
12	1001118511	2	Pad, Wear	
13	1001118518	2	Shim 11Ga	
14	1001118519	4	Shim 16Ga	

FIGURE 1-3. DRIVE VALVES INSTALLATION

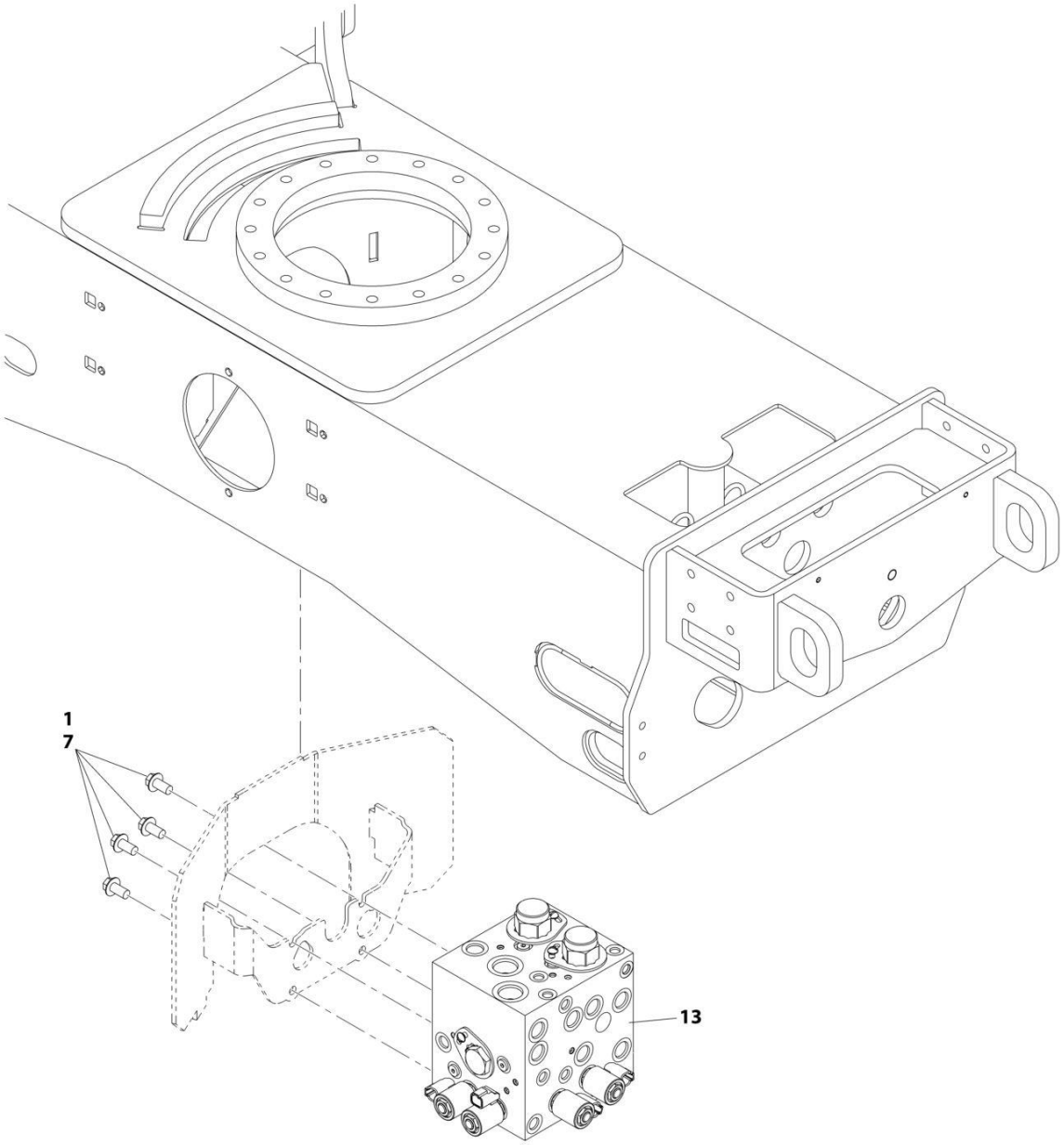


FIGURE 1-3. DRIVE VALVES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115780	Ref	DRIVE VALVES INSTALLATION	G
1	0100011	AR	Compound, Locking	
7	5251010	4	Bolt M10 x 20	
13	1001118029	1	Flow Divider Valve Assembly (See FLOW DIVIDER VALVE ASSEMBLY for Breakdown)	

FIGURE 1-4. FLOW DIVIDER VALVE ASSEMBLY

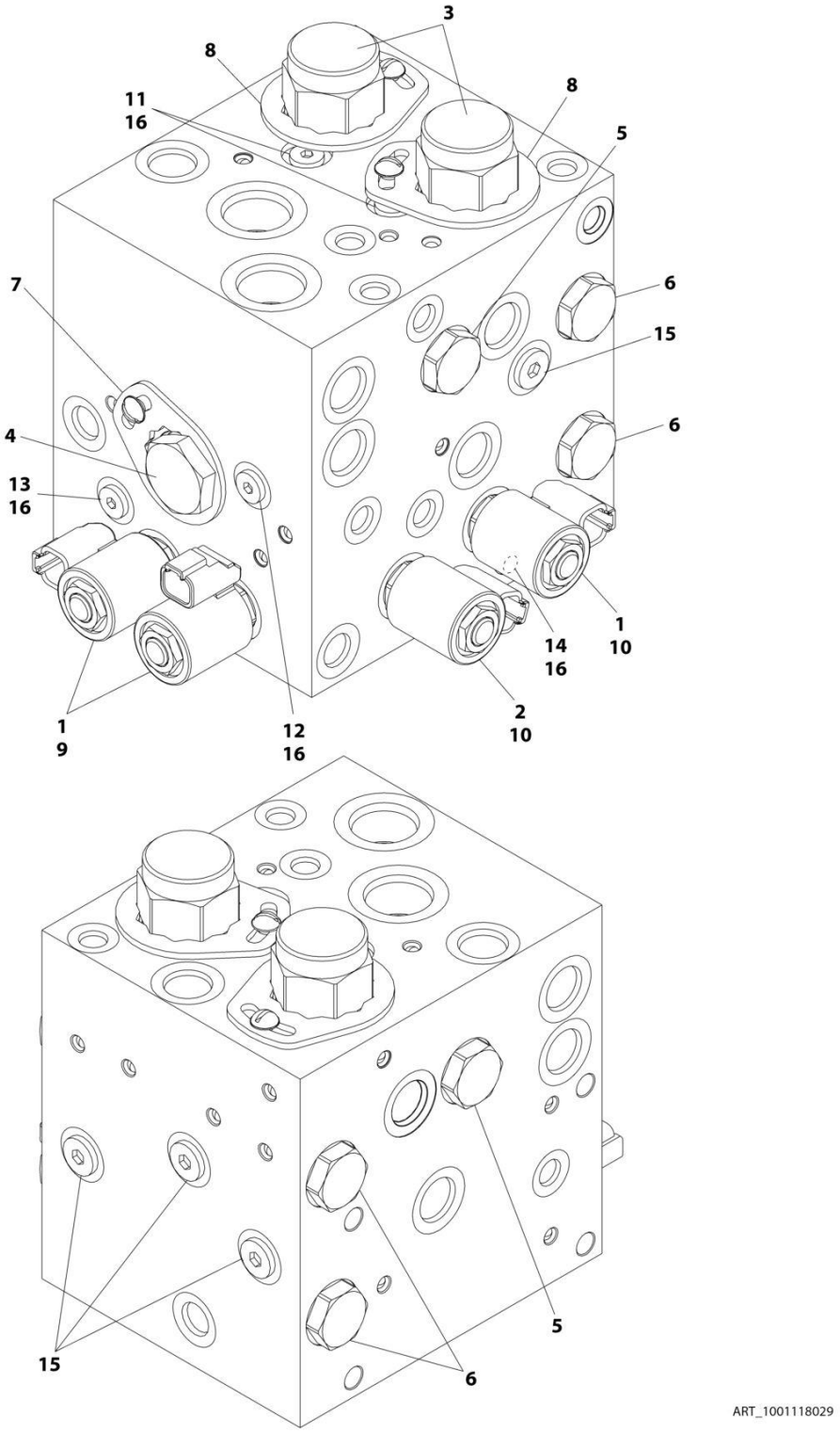


FIGURE 1-4. FLOW DIVIDER VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118029	Ref	FLOW DIVIDER VALVE ASSEMBLY	E
1	7012941	3	Valve, Solenoid Cartridge (Without Coil) (Traction, Brake and Secondary Oscillating)	
1	7010543	3	Seal Kit - 7012941 Cartridge	
2	70002955	1	Valve, Solenoid Cartridge (Without Coil) (Primary Oscillating)	
2	7012953	1	Seal Kit - 70002955 Cartridge	
3	70002956	2	Valve, Solenoid Cartridge	
3	70002957	2	Seal Kit - 70002956 Cartridge	
4	70002958	1	Valve, Flow Divider Cartridge	
4	70002959	1	Seal Kit - 70002958 Cartridge	
5	70002960	1	Valve, Flow Divider Cartridge	
5	70002978	1	Seal Kit - 70002960 Cartridge	
6	70002961	4	Valve, Check Cartridge	
6	7017496	4	Seal Kit - 70002961 Check Cartridge	
7	70002962	1	Lock Kit	
8	70000781	2	Lock Kit	
9	70002386	2	Coil	
10	70002963	2	Coil	
11	See Note	2	Orifice .031 (Note: Not Available for Purchase)	
12	See Note	1	Orifice .025 (Note: Not Available for Purchase)	
13	See Note	1	Orifice .040 (Note: Not Available for Purchase)	
14	70002063	1	Orifice .062	
15	7024844	4	Plug	
16	7017406	5	Plug	

FIGURE 1-5. DRIVE INSTALLATION

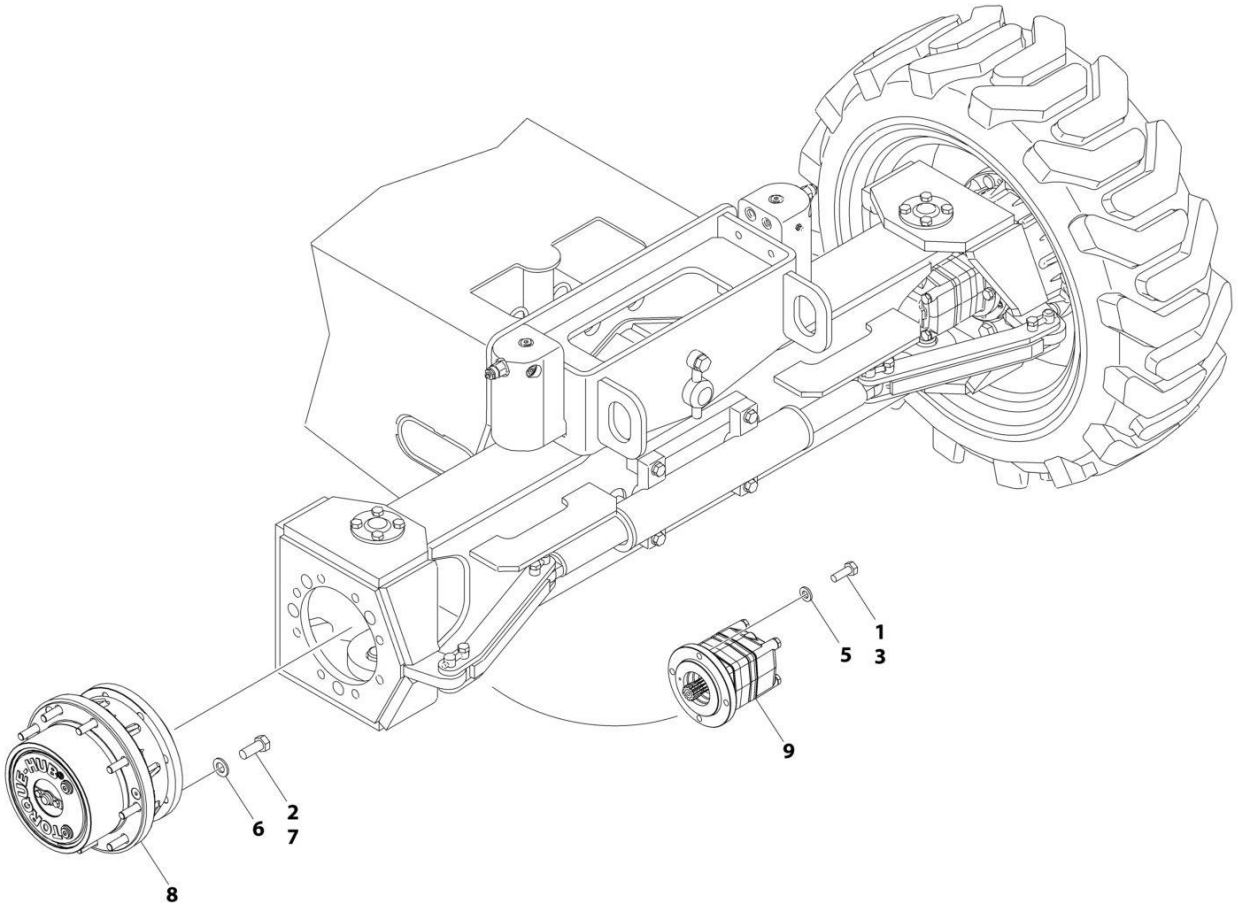


FIGURE 1-5. DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115770	Ref	WHEEL DRIVE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0761015	16	Bolt M10 x 35	
3	0761014	16	Bolt M10 x 30	
5	5241000	16	Washer M10	
6	5241600	32	Washer M16	
7	1001110922	32	Bolt M16 x 40 Grade 10.9	
8	1001116793	4	Drive Hub/Brake Assembly (See Separate Breakdown in this Section)	
9	1001117030	4	Drive Motor Assembly (See Separate Breakdown in this Section)	

FIGURE 1-6. DRIVE MOTOR ASSEMBLY

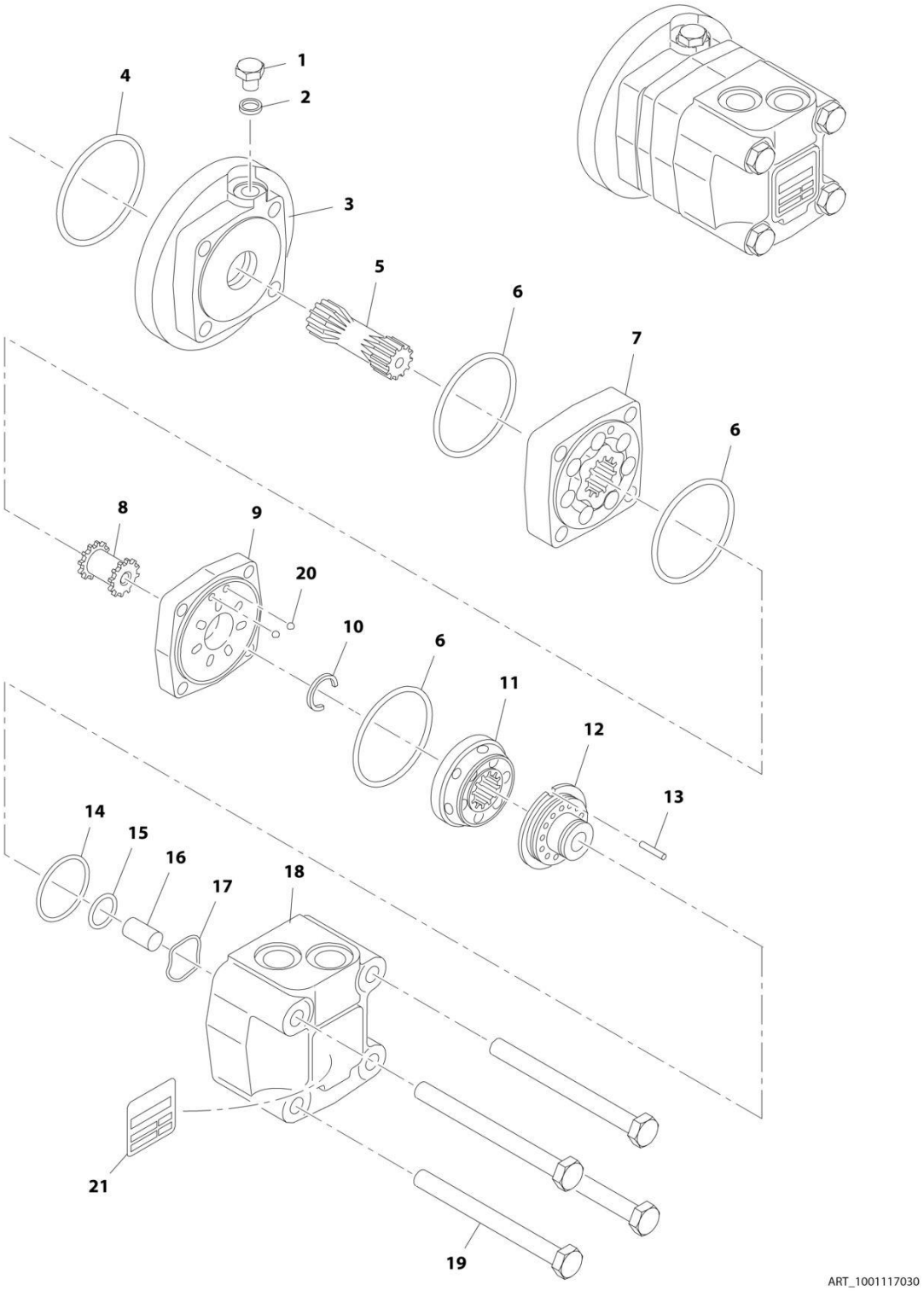


FIGURE 1-6. DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117030	Ref	DRIVE MOTOR ASSEMBLY	B
1	70003005	1	Plug	
2	8007941	1	Washer	
3	See Note	NSS	Flange (Note: Not Available - Purchase p/n 1001117030)	
4	70003006	1	O-Ring	
5	70003007	1	Shaft	
6	70003008	3	O-Ring	
7	70003009	1	Gear Set	
8	70003010	1	Shaft, Coupling	
9	70003011	1	Plate, Port	
10	70003012	1	Ring, Stop	
11	7027955	1	Disc, Valve	
12	7027956	1	Plate, Pressure	
13	7027957	1	Pin, Spring	
14	70003013	1	O-Ring	
15	70003014	1	O-Ring	
16	7027958	1	Spacer	
17	7027959	1	Washer, Crinkle	
18	See Note	NSS	Cover, End (Note: Not Available - Purchase p/n 1001117030)	
19	70003016	4	Screw	
20	80334555	2	Ball	
21	See Note	NSS	Nameplate (Note: Not Available for Purchase)	

FIGURE 1-7. DRIVE HUB/BRAKE ASSEMBLY

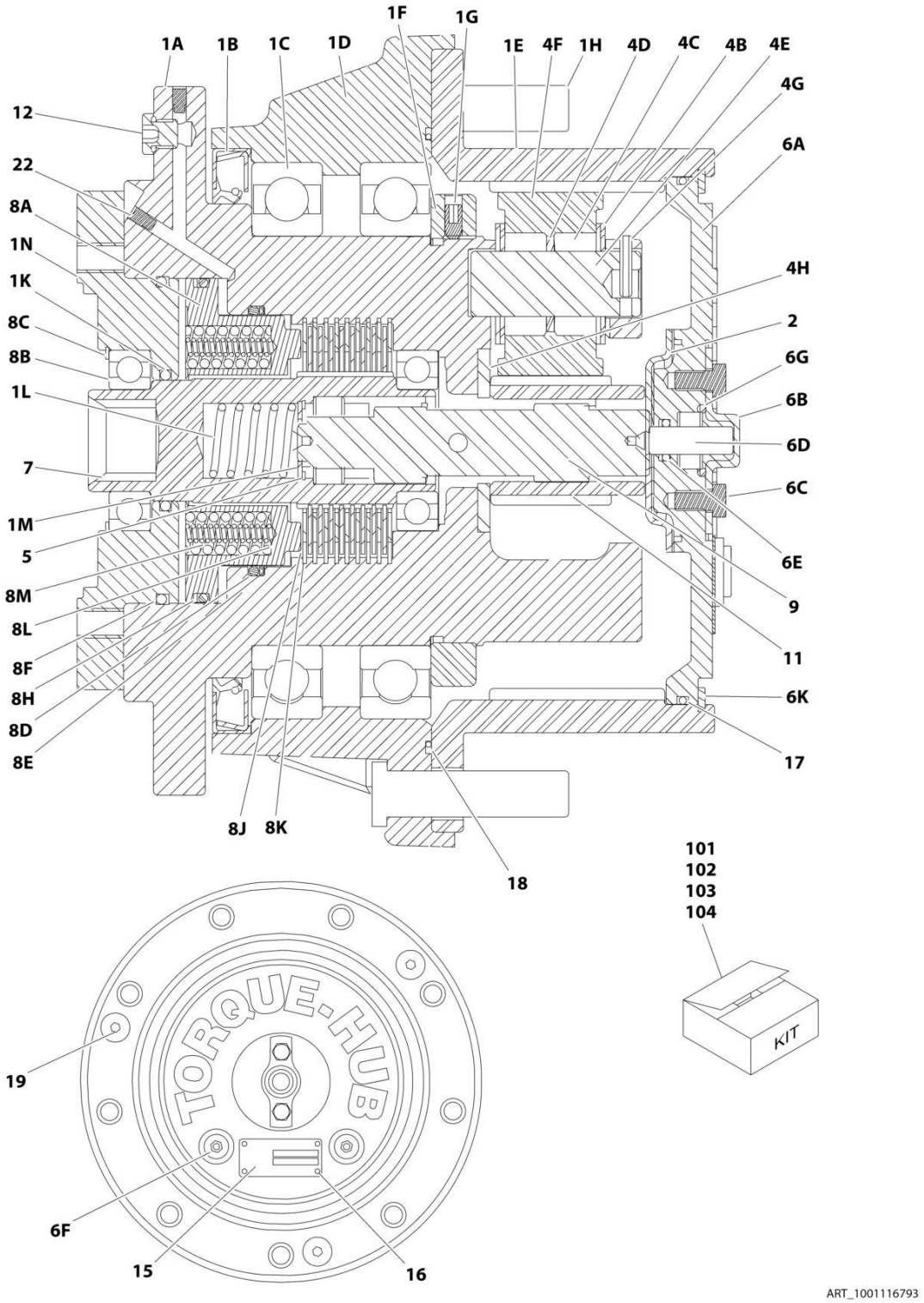


FIGURE 1-7. DRIVE HUB/BRAKE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001116793	Ref	DRIVE HUB/BRAKE ASSEMBLY	C
1	See Note	NLA	Spindle/Housing Assembly (Note: Not Available - Purchase Individual Components)	
1A	70002987	1	Spindle	
1B	70001119	1	Seal, Lip (Part of Item 104)	
1C	70002991	2	Bearing, Ball	
1D	See Note	NSS	Housing (Note: Use p/n 1001116793)	
1E	70002989	1	Ring Gear	
1F	70003000	1	Nut, Bearing (Part of Item 104)	
1G	70002996	2	Setscrew 1/4-28 x 1/2 (Part of Item 104)	
1H	7007640	9	Bolt, Mounting	
1K	See Note	NSS	Seal (Note: Use Item 102 or 103)	
1L	70002992	1	Spring	
1M	70002999	1	Thrustwasher	
1N	70002988	1	Adapter	
2	7024741	1	Spacer, Thrust	
4	70002983	1	Planet Gear Assembly (Includes Items 4B-4G)	
4B	See Note	NSS	Spacer, Washer (Note: Use Item 4)	
4C	See Note	NSS	Bearing (Note: Use Item 4)	
4D	See Note	NSS	Spacer (Note: Use Item 4)	
4E	See Note	NSS	Shaft, Planet (Note: Use Item 4)	
4F	See Note	NSS	Gear, Planet (Note: Use Item 4)	
4G	7001913	3	Rollpin	
4H	7024742	1	Spacer, Thrust	
5	70002995	1	Ring, Retaining	
6	70001368	1	Cover Assembly (Includes Items 6A-6G)	
6A	See Note	NSS	Cover (Note: Use Item 6)	
6B	See Note	NSS	Cap (Note: Use Item 6)	
6C	See Note	NSS	Bolt (Note: Use Item 6)	
6D	See Note	NSS	Pin (Note: Use Item 6)	
6E	See Note	NSS	Washer Seal (Note: Use Item 6)	
6F	See Note	NSS	Plug (Note: Not Available for Purchase)	
6G	See Note	NSS	Retainer (Note: Use Item 6)	
6K	7024738	1	Ring, Retaining	
7	70002985	1	Coupling	
8	See Note	NLA	Brake Assembly (Includes Items 8A-8M) (Note: Not Available - Purchase Individual Components)	
8A	70002993	1	Piston, Brake	
8B	70002990	2	Bearing, Ball	
8C	70002994	1	Ring, Retaining	
8D	See Note	NSS	O-Ring (Note: Use Item 103)	
8E	See Note	NSS	Ring, Back-up (Note: Use Item 103)	
8F	See Note	NSS	O-Ring (Note: Use Item 102 or 103)	
8H	See Note	NSS	Ring, Back-up (Note: Use Item 103)	
8J	See Note	NSS	Disc, Brake Reaction (Note: Use Item 101)	
8K	See Note	NSS	Disc, Brake Friction (Note: Use Item 101)	
8L	See Note	NSS	Spring (Note: Use Item 102)	
8M	See Note	NSS	Spring (Note: Use Item 102)	
9	70002984	1	Shaft, Input	
11	70002986	1	Gear, Sun	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
12	70002998	1	Plug, Pipe	
15	See Note	NSS	Nameplate (Note: Not Available for Purchase)	
16	7000281	2	Drivescrew	
17	7024134	1	O-Ring (Part of Item 104)	
18	70002997	1	O-Ring (Part of Item 104)	
19	7017022	NSS	Capscrew 3/8-16 (Part of Item 104)	
21	See Note	8	Capscrew 3/8-16 x 7/8 Grade 8 (Note: Use Item 102 or 103)	
22	7024108	2	Plug, Pressure	
101	70002980	1	Brake Disc Kit (Includes Items 8J & 8K)	
102	70002982	1	Brake Spring Kit (Includes Items 1K, 8F, 8L, 8M & 21)	
103	70002981	1	Brake Seal Kit (Includes Items 1K, 8D, 8E, 8F, 8H & 21)	
104	7024744	1	Hub Seal Kit (Includes Items 1B, 1F, 1G & 17-19)	

FIGURE 1-8. TIRE AND WHEEL INSTALLATION - 7X18 SOLID CUSHION

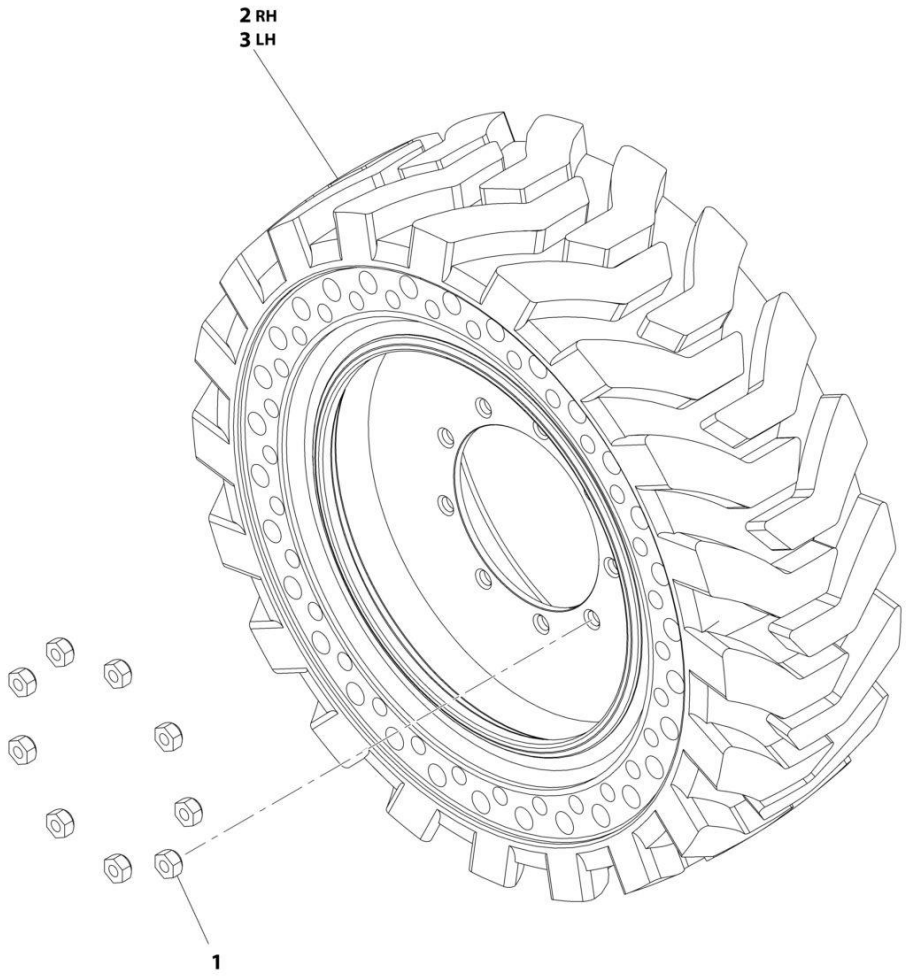


FIGURE 1-8. TIRE AND WHEEL INSTALLATION - 7X18 SOLID CUSHION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118641	Ref	TIRE AND WHEEL INSTALLATION - 7X18 SOLID	C
		Ref	Note: Due to critical stability weights, only replace tire and wheel assemblies with like components.	
1	3300106	36	Lugnut (9 per Wheel)	
2	1001118649	2	Tire and Wheel Assembly - 7 x 18 Solid Right Side (Note: No Serviceable Parts - Replace Complete Sets per Axle)	
3	1001121678	2	Tire and Wheel Assembly - 7 x 18 Solid Left Side (Note: No Serviceable Parts - Replace Complete Sets per Axle)	

FIGURE 1-9. TIRE AND WHEEL INSTALLATION - 7X18 SOLID CUSHION NON-MARKING

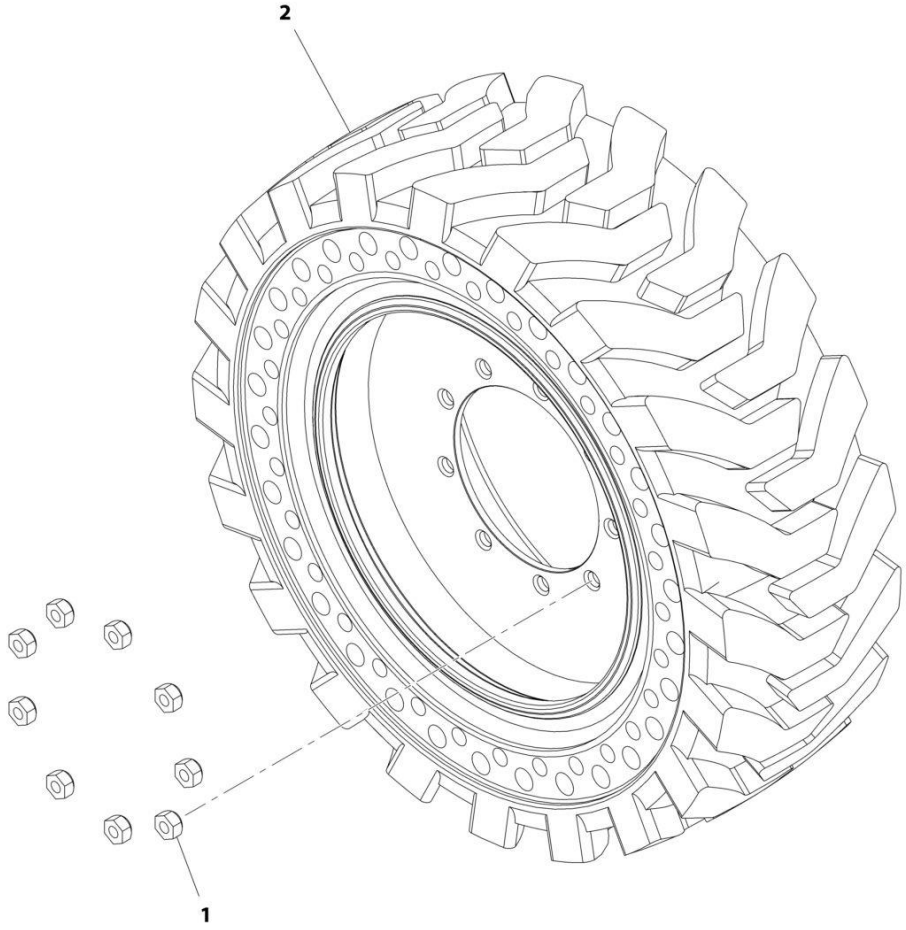


FIGURE 1-9. TIRE AND WHEEL INSTALLATION - 7X18 SOLID CUSHION NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118644	Ref	TIRE AND WHEEL INSTALLATION - 7X18 SOLID NON-MARKING	C
		Ref	Note: Due to critical stability weights, only replace tire and wheel assemblies with like components.	
1	3300106	36	Lugnut (9 per Wheel)	
2	1001118654	2	Tire and Wheel Assembly - 7 x 18 Solid (RH) (Note: No Serviceable Parts - Replace Complete Sets per Axle)	
2	1001121672	2	Tire and Wheel Assembly - 7 x 18 Solid (LH) (Note: No Serviceable Parts - Replace Complete Sets per Axle)	

FIGURE 1-10. TIRE AND WHEEL INSTALLATION - 9X20 FOAM-FILLED

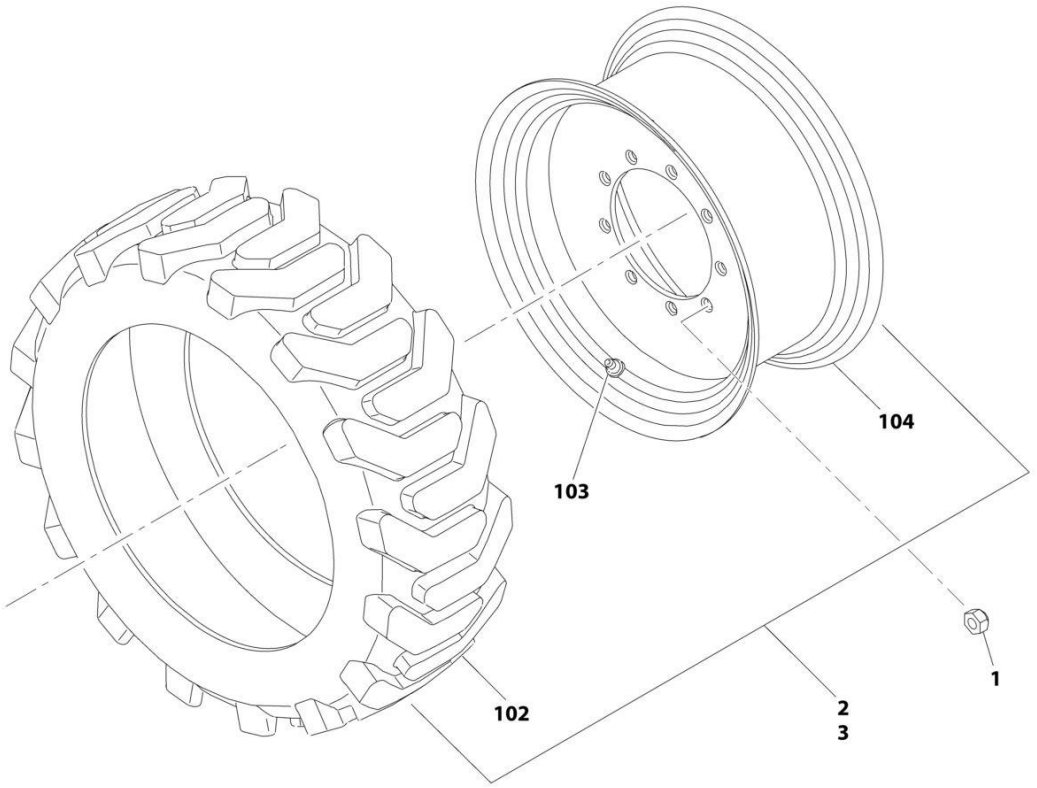


FIGURE 1-10. TIRE AND WHEEL INSTALLATION - 9X20 FOAM-FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115773	Ref	TIRE AND WHEEL INSTALLATION - 9X20 FOAM-FILLED	B
		Ref	Note: Due to critical stability weights, only replace tire and wheel assemblies with like components.	
1	3300106	36	Lugnut (9 per Wheel)	
2	1001117131	2	Tire and Wheel Assembly - 9 x 20 Foam-Filled Left Side	E
3	1001117132	2	Tire and Wheel Assembly - 9 x 20 Foam-Filled Right Side	D
		Ref	Note: Assemblies may require ballast/foam filling to manufacture'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.	
102	4520605	4	Tire - IN265/50D20	
103	4640113	4	Valve, Air	
104	1001117129	4	Rim for 20 x 9 (Use with IN265/50D20 Tires)	

FIGURE 1-11. TIRE AND WHEEL INSTALLATION - 9X20 FOAM-FILLED NON-MARKING

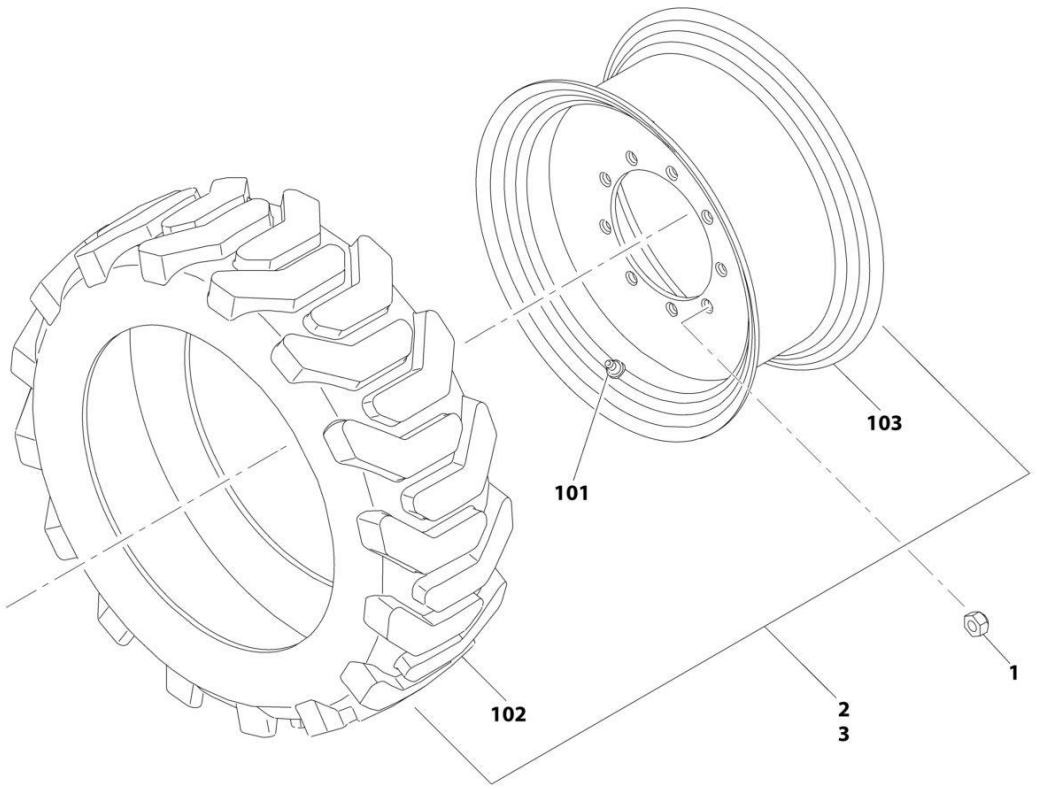


FIGURE 1-11. TIRE AND WHEEL INSTALLATION - 9X20 FOAM-FILLED NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118642	Ref	TIRE AND WHEEL INSTALLATION - 9X20 FOAM-FILLED NON-MARKING	B
		Ref	Note: Due to critical stability weights, only replace tire and wheel assemblies with like components.	
1	3300106	36	Lugnut (9 per Wheel)	
2	1001118650	2	Tire and Wheel Assembly - 9 x 20 Foam-Filled Non-Marking Right Side	D
3	1001118651	2	Tire and Wheel Assembly - 9 x 20 Foam-Filled Non-Marking Left Side	D
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
101	4640113	4	Valve, Air	
102	1001118660	4	Tire - IN265/50D20 Non-Marking	
103	1001117129	4	Rim for 20 x 9 (Use with IN265/50D20 Tires)	

FIGURE 1-12. TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC

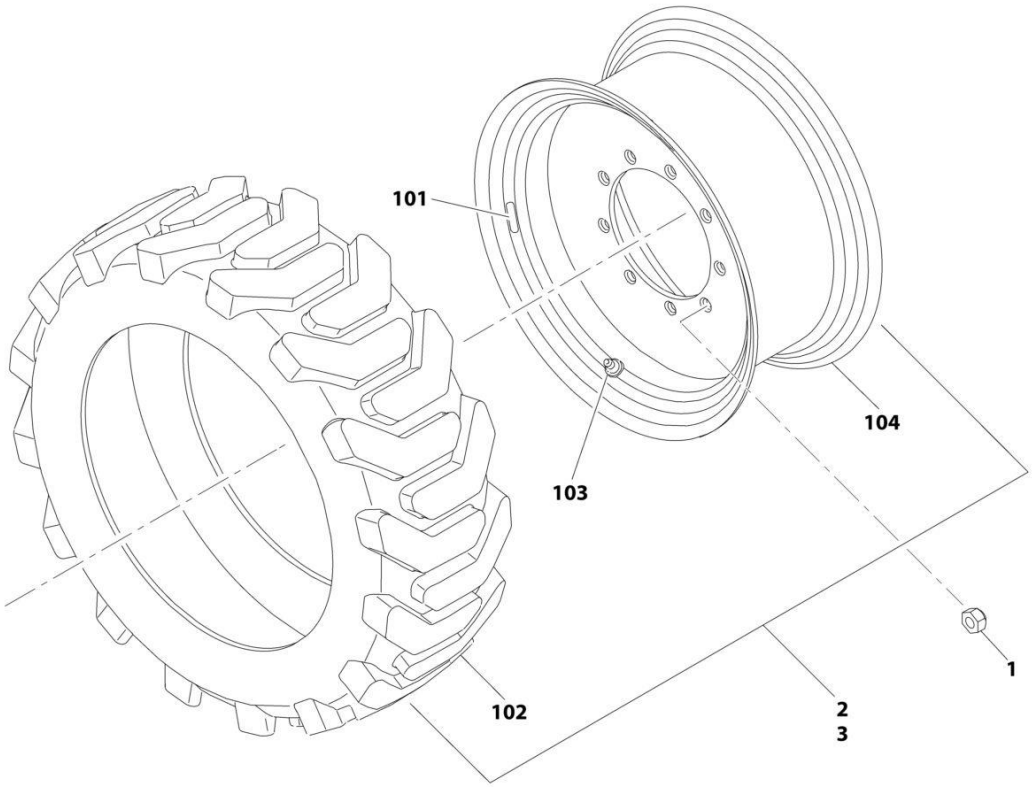


FIGURE 1-12. TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118640	Ref	TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC	A
		Ref	Note: Due to critical stability weights, only replace tire and wheel assemblies with like components.	
1	3300106	36	Lugnut (9 per Wheel)	
2	1001118647	2	Tire and Wheel Assembly - 9 x 20 Pneumatic Right Side	B
3	1001118648	2	Tire and Wheel Assembly - 9 x 20 Pneumatic Left Side	B
101	1706846	4	Decal - 75PSI	
102	4520605	4	Tire - IN265/50D20	
103	4640113	4	Valve, Air	
104	1001117129	4	Rim for 20 x 9 (Use with IN265/50D20 Tires)	

FIGURE 1-13. TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC WITH TIRE SEALANT

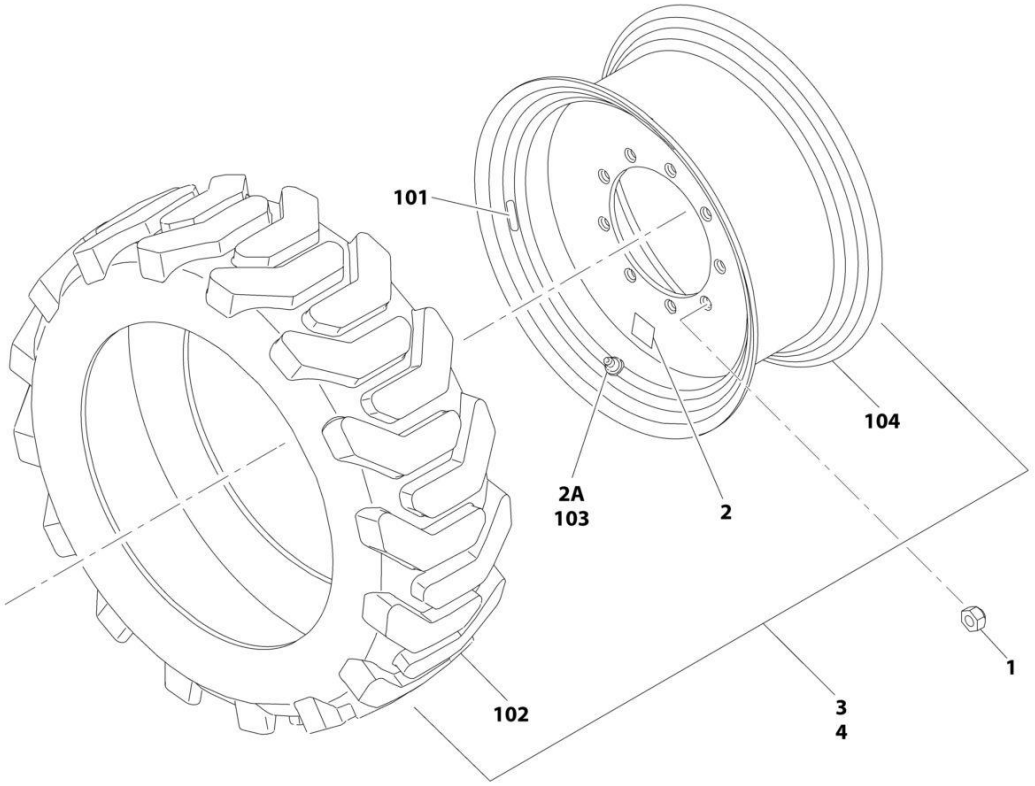


FIGURE 1-13. TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC WITH TIRE SEALANT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120027	Ref	TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC WITH TIRE SEALANT	B
		Ref	Note: Due to critical stability weights, only replace tire and wheel assemblies with like components.	
1	3300106	36	Lugnut (9 per Wheel)	
2	2902203	1	Decal Kit - Required on Tires with Sealant (Includes qty 5 Decals and qty 4 Green Valve Stem Caps)	
2A	1120552	1	Cap, Valve Stem (Green) (Tires with Sealant Only)	
3	1001118647	2	Tire and Wheel Assembly - 9 x 20 Pneumatic Right Side	B
4	1001118648	2	Tire and Wheel Assembly - 9 x 20 Pneumatic Left Side	B
101	1706846	4	Decal - 75PSI	
102	4520605	4	Tire - IN265/50D20	
103	4640113	4	Valve, Air	
104	1001117129	4	Rim for 20 x 9 (Use with IN265/50D20 Tires)	

FIGURE 1-14. TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC NON-MARKING

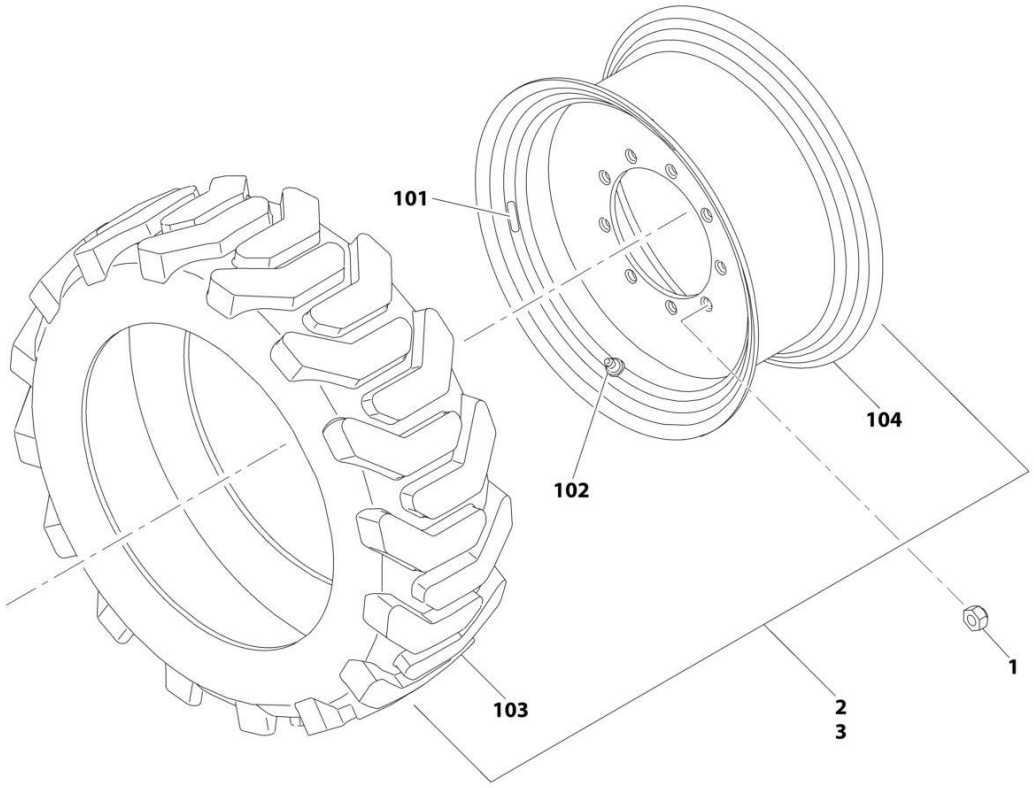
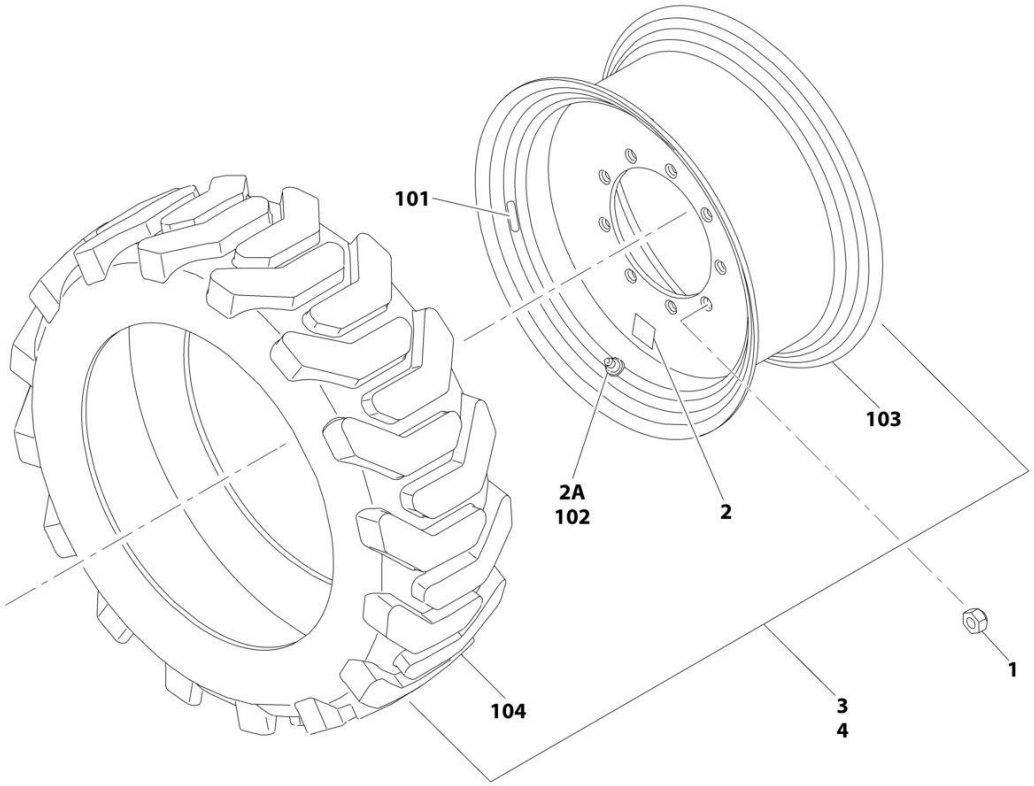


FIGURE 1-14. TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118643	Ref	TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC NON-MARKING	B
		Ref	Note: Due to critical stability weights, only replace tire and wheel assemblies with like components.	
1	3300106	36	Lugnut (9 per Wheel)	
2	1001118652	2	Tire and Wheel Assembly - 9 x 20 Pneumatic Non-Marking Right Side	B
3	1001118653	2	Tire and Wheel Assembly - 9 x 20 Pneumatic Non-Marking Left Side	B
101	1706846	4	Decal - 75PSI	
102	4640113	4	Valve, Air	
103	1001117129	4	Rim for 20 x 9 (Use with IN265/50D20 Tires)	
104	1001118660	4	Tire - IN265/50D20 Non-Marking	

FIGURE 1-15. TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC NON-MARKING WITH TIRE SEALANT



ART_1001120036

FIGURE 1-15. TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC NON-MARKING WITH TIRE SEALANT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120036	Ref	TIRE AND WHEEL INSTALLATION - 9X20 PNEUMATIC NON-MARKING WITH TIRE SEALANT	B
		Ref	Note: Due to critical stability weights, only replace tire and wheel assemblies with like components.	
1	3300106	36	Lugnut (9 per Wheel)	
2	2902203	1	Decal Kit - Required on Tires with Sealant (Includes qty 5 Decals and qty 4 Green Valve Stem Caps)	
2A	1120552	1	Cap, Valve Stem (Green) (Tires with Sealant Only)	
3	1001118652	2	Tire and Wheel Assembly - 9 x 20 Pneumatic Non-Marking Right Side	A
4	1001118653	2	Tire and Wheel Assembly - 9 x 20 Pneumatic Non-Marking Left Side	A
101	1706846	4	Decal - 75PSI	
102	4640113	4	Valve, Air	
103	1001117129	4	Rim for 20 x 9 (Use with IN265/50D20 Tires)	
104	1001118660	4	Tire - IN265/50D20 Non-Marking	

FIGURE 1-16. TIRE AND WHEEL INSTALLATION - 33 X 12LL500 TURF/SAND PNEUMATIC

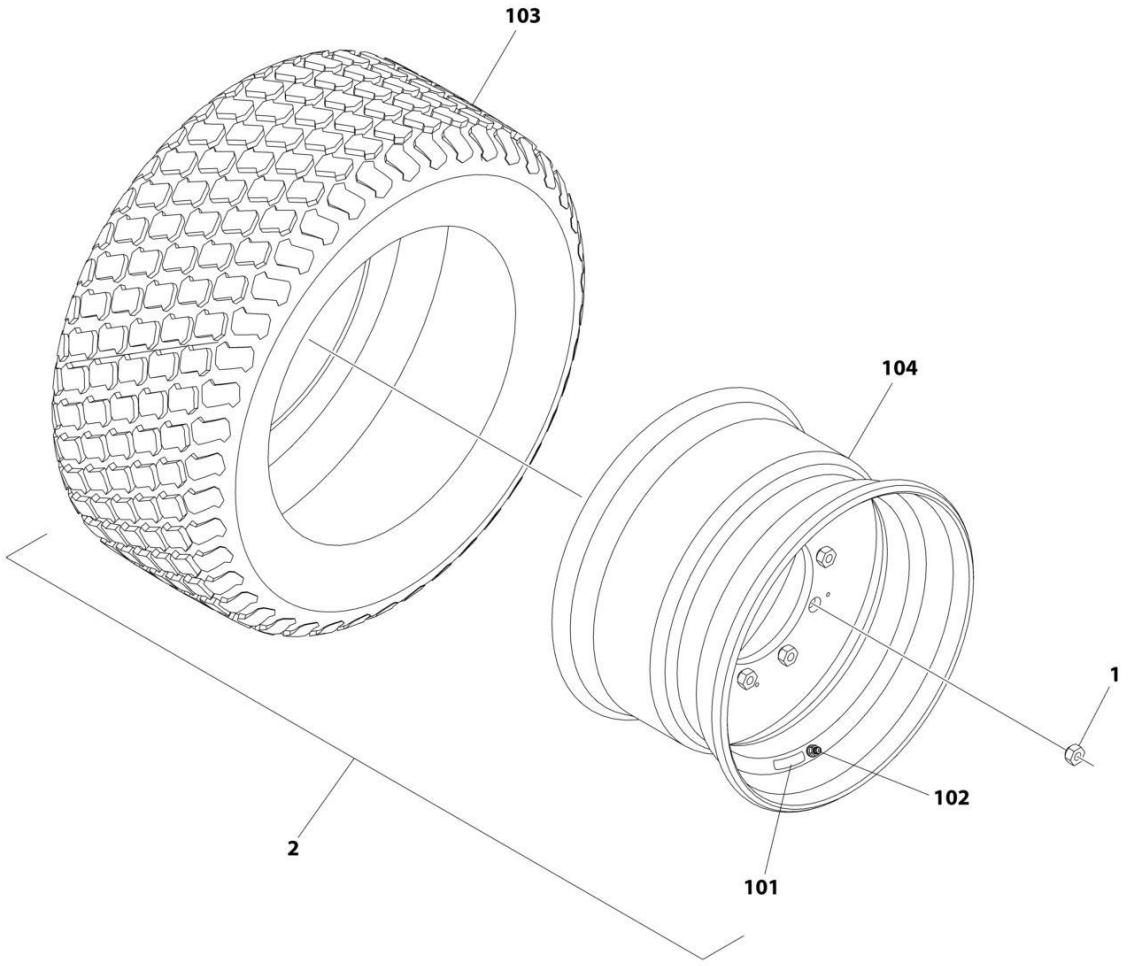


FIGURE 1-16. TIRE AND WHEEL INSTALLATION - 33 X 12LL500 TURF/SAND PNEUMATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231653	Ref	TIRE AND WHEEL INSTALLATION - 33 x 12LL500 TURF/SAND PNEUMATIC	A
1	3300106	36	Nut, Wheel	
2	1001231611	4	Tire & Wheel Assembly - 33 X 12LL500 TURF/SAND	
101	1706846	4	Decal - Tire Pressure	
102	4640113	4	Valve, Tire	
103	1001231609	1	Tire, 33 X 12LL500 TURF/SAND	
104	1001231610	1	Rim	

FIGURE 1-17. TIRE AND WHEEL INSTALLATION - 33 X 12LL500 TURF/SAND FOAM FILLED

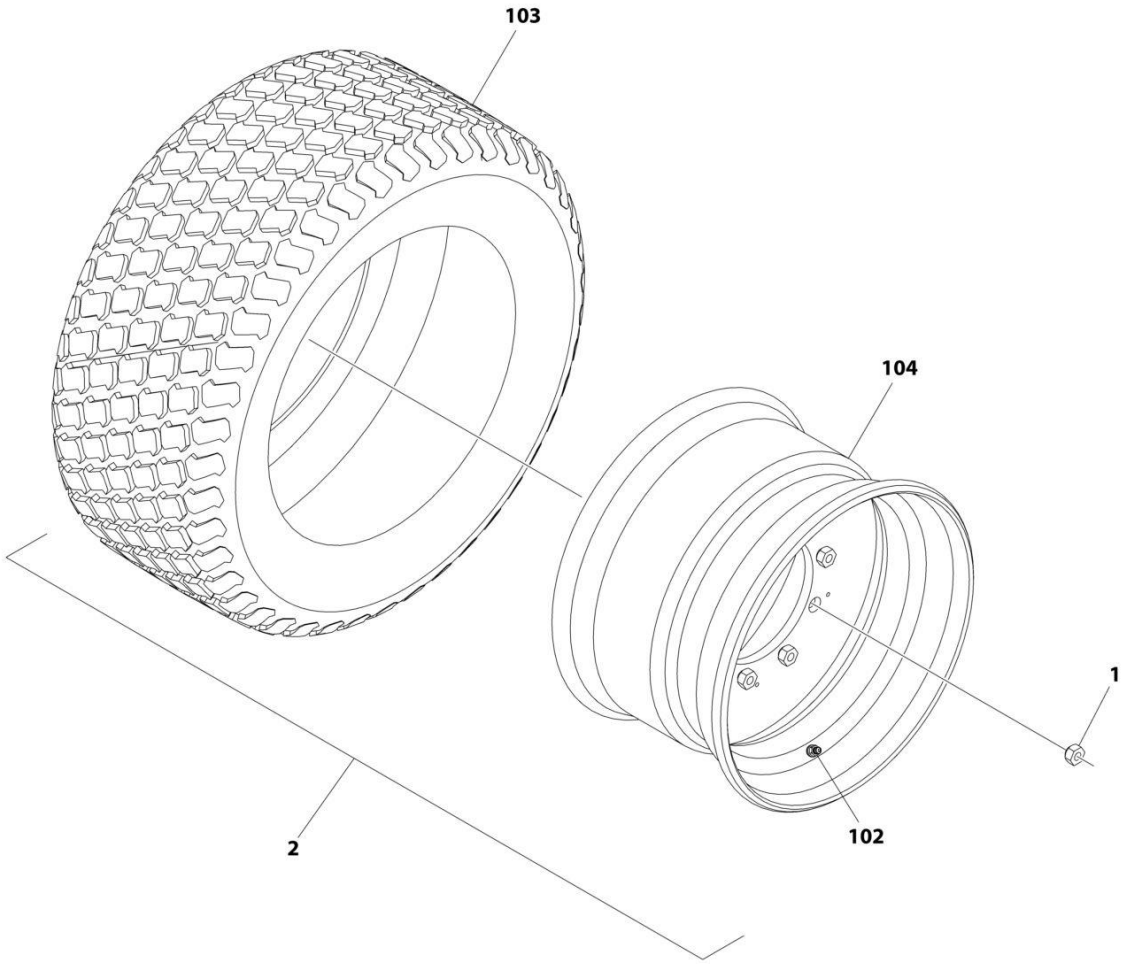


FIGURE 1-17. TIRE AND WHEEL INSTALLATION - 33 X 12LL500 TURF/SAND FOAM FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239804	Ref	TIRE AND WHEEL INSTALLATION - 33 x 12LL500 TURF/SAND FOAM FILLED	B
1	3300106	36	Nut, Wheel	
2	1001272533	4	Tire & Wheel Assembly - 33 X 12LL500 TURF/SAND	
		Ref	Note: Assemblies may require ballast/foam filling to manufacture'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.	
102	4640113	4	Valve, Tire	
103	1001231609	1	Tire, 33 X 12LL500 TURF/SAND	
104	1001231610	1	Rim	

FIGURE 1-18. FRAME SHIELDS INSTALLATION

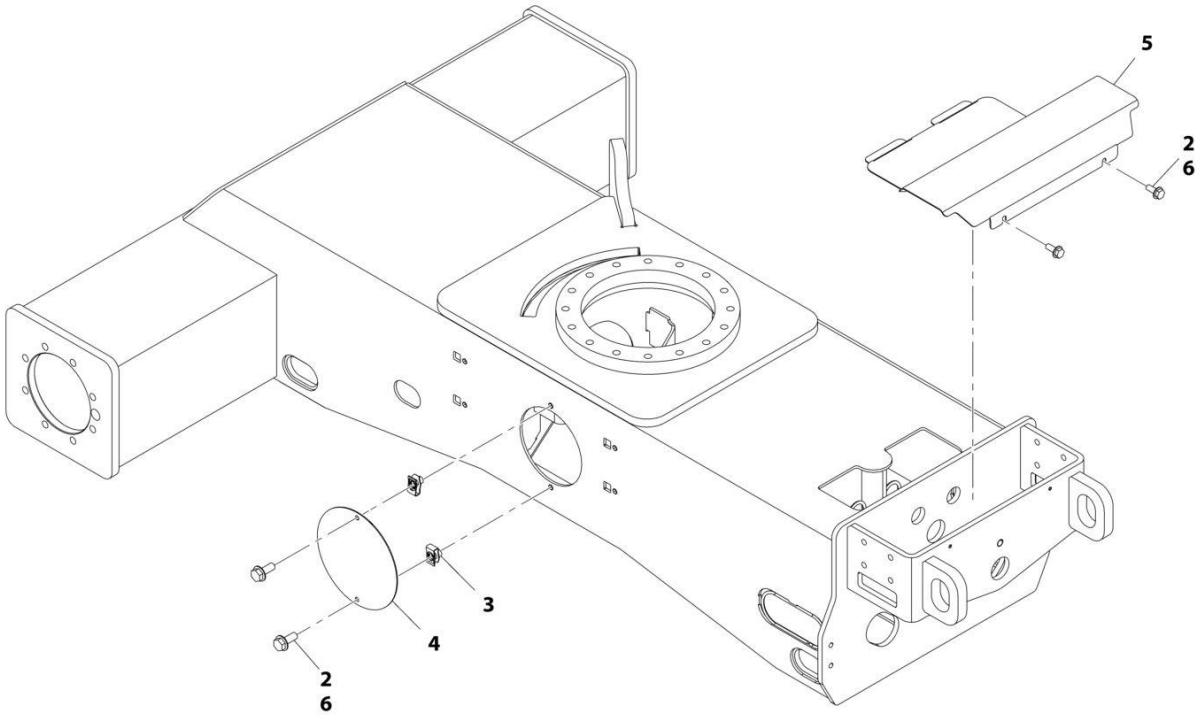


FIGURE 1-18. FRAME SHIELDS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115781	Ref	FRAME SHIELDS INSTALLATION	C
2	5250810	6	Bolt M8 x 20	
3	1001118274	4	Nut, Clip M8	
4	1001118915	2	Cover, Frame (Side)	
5	1001118916	1	Cover, Frame (Top)	
6	0100011	AR	Compound, Locking	

SECTION 2 - TURNTABLE

FIGURE 2-1. CONTROL VALVE AND CHARGE FILTER INSTALLATION - TURNTABLE

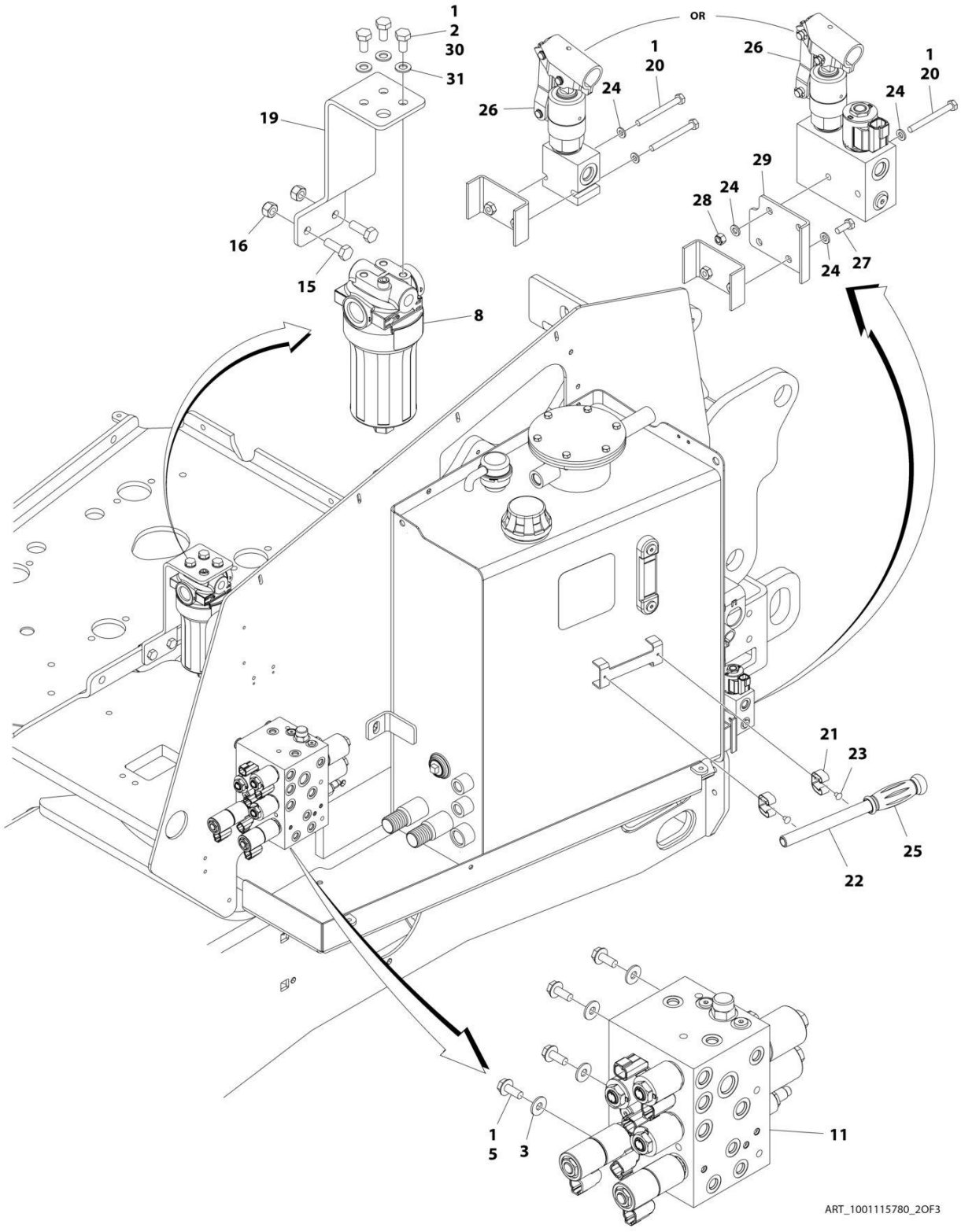


FIGURE 2-1. CONTROL VALVE AND CHARGE FILTER INSTALLATION - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115780	Ref	CONTROL VALVE AND CHARGE FILTER INSTALLATION - TURNTABLE	H
1	0100011	AR	Compound, Locking	
2	0641605	4	Bolt 3/8-16 x 5/8 **(SN 0300200802 through 0300237174)**	
3	4811902	4	Washer M8	
5	5250810	4	Bolt M8 x 20	
8	1001102987	1	Charge Pump Filter Assembly **(SN 0300200802 through 0300237174)**	C
8	1001208874	1	Charge Pump Filter Assembly **(SN 0300237174 through 0300272222, Except SN 0300272191 through 0300272192)**	
8	70010383	1	Element, Filter (Includes O-Ring)	
8	See Note	1	Indicator (Note: Not Available for Purchase)	
11	1001116487	1	Main Control Valve Assembly (See MAIN CONTROL VALVE ASSEMBLY for Breakdown)	
15	0761014	2	Bolt M10 x 30	
16	3291005	2	Nut M10	
19	1001118751	1	Bracket, Filter	
20	0700620	2	Bolt M6 x 60	
21	1380136	2	Clip	
22	2560122	1	Handle	
23	3820019	2	Rivet	
24	4811700	6	Washer M6	
25	1001114761	1	Grip, Handle	
26	1001127115	1	Manual Pump Assembly **(SN 0300200802 through 0300223168)**	C
26	7017496	1	Seal Kit - 1001127115 Pump **(SN 0300200802 through 0300223168)**	
26	1001210829	1	Manual Pump Assembly **(SN 0300223169 through 0300272222, Except SN 0300272191 through 0300272192)**	
26	70005722	1	Cartridge, Hand Pump	
26	7017496	1	Seal Kit - Hand Pump	
26	7017467	1	Cartridge, Solenoid Valve Less Coil	
26	7012967	1	Seal Kit - Cartridge	
26	70002386	1	Coil	
27	0700608	2	Bolt M6 x 16 **(SN 0300223169 through 0300272222, Except SN 0300272191 through 0300272192)**	
28	3290605	2	Nut M6 **(SN 0300223169 through 0300272222, Except SN 0300272191 through 0300272192)**	
29	1001200472	1	Bracket **(SN 0300223169 through 0300272222, Except SN 0300272191 through 0300272192)**	
30	0761010	AR	Bolt M10 x 20 **(SN 0300237174 through 0300272222, Except SN 0300272191 through 0300272192)**	
31	4812000	AR	Washer M10 **(SN 0300237174 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY

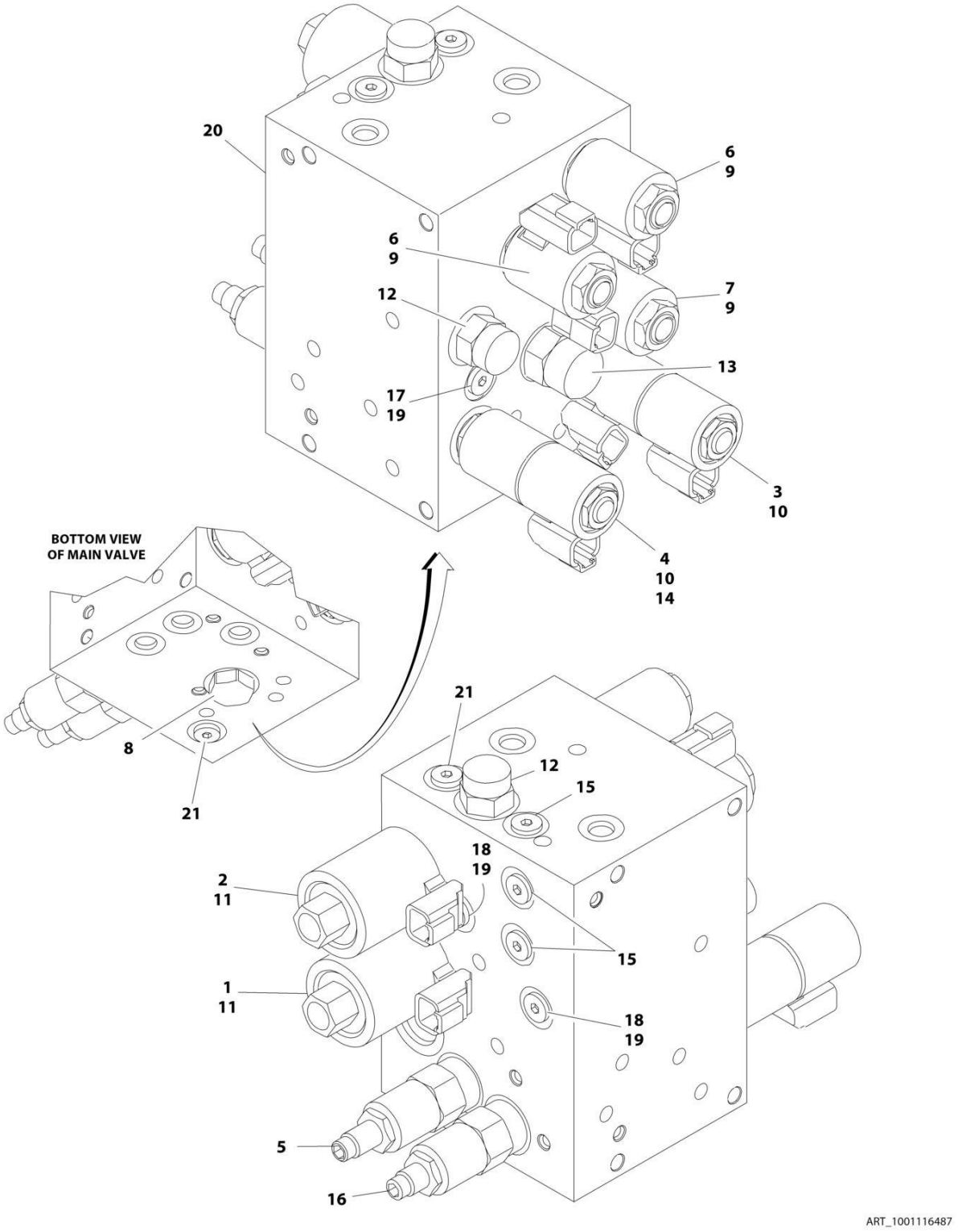


FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001116487	Ref	MAIN CONTROL VALVE ASSEMBLY	J
1	70002964	1	Cartridge, Solenoid Valve with Relief (Without Coil)	
1	7017496	1	Seal Kit - 70002964 Cartridge	
2	70002965	1	Cartridge, Solenoid Valve with Relief (Without Coil)	
2	7017496	1	Seal Kit - 70002965 Cartridge	
3	70002966	1	Cartridge, Solenoid Valve (Without Coil) (Swing)	
3	70002967	1	Seal Kit - 70002966 Cartridge	
4	70002966	1	Cartridge, Solenoid Valve (Without Coil) (Steer)	
4	70002967	1	Seal Kit - 70002966 Cartridge	
5	70002968	1	Cartridge, Relief Valve	
5	7012998	1	Seal Kit - 70002968 Cartridge	
6	70002969	2	Cartridge, Solenoid Valve (Without Coil) (Upper and Lower Lift)	
6	7010543	2	Seal Kit - 70002969 Cartridge	
7	70002970	1	Cartridge, Solenoid Valve (Without Coil) (Flow Control)	
7	7010543	1	Seal Kit - 70002970 Cartridge	
8	10837580	1	Cartridge, Shuttle Valve	
8	7010543	1	Seal Kit - 10837580 Cartridge	
9	70002971	3	Coil	
10	70002386	4	Coil	
11	70003788	2	Coil	
12	70002972	2	Cartridge, Pressure Compensator Valve	
12	7010543	2	Seal Kit - 70002972 Cartridge	
13	70002973	1	Cartridge, Pressure Compensator Valve	
13	7010543	1	Seal Kit - 70002973 Cartridge	
14	70002974	1	Disc, Check Valve	
15	70003757	3	Cartridge, Check Valve	
15	70002976	3	Seal Kit - 70003757 Cartridges	
16	70002977	1	Cartridge, Crossover Relief	
16	7021653	1	Seal Kit - 70002977 Cartridge	
17	See Note	1	Orifice .060 (Note: Not Available for Purchase)	
18	See Note	2	Orifice .100 (Note: Not Available for Purchase)	
19	7017406	3	Plug (Use p/n 2220883)	
20	See Note	1	Block (Note: Not Available for Purchase)	
21	91164059	2	Plug	

FIGURE 2-3. SWING DRIVE INSTALLATION (DOHI)

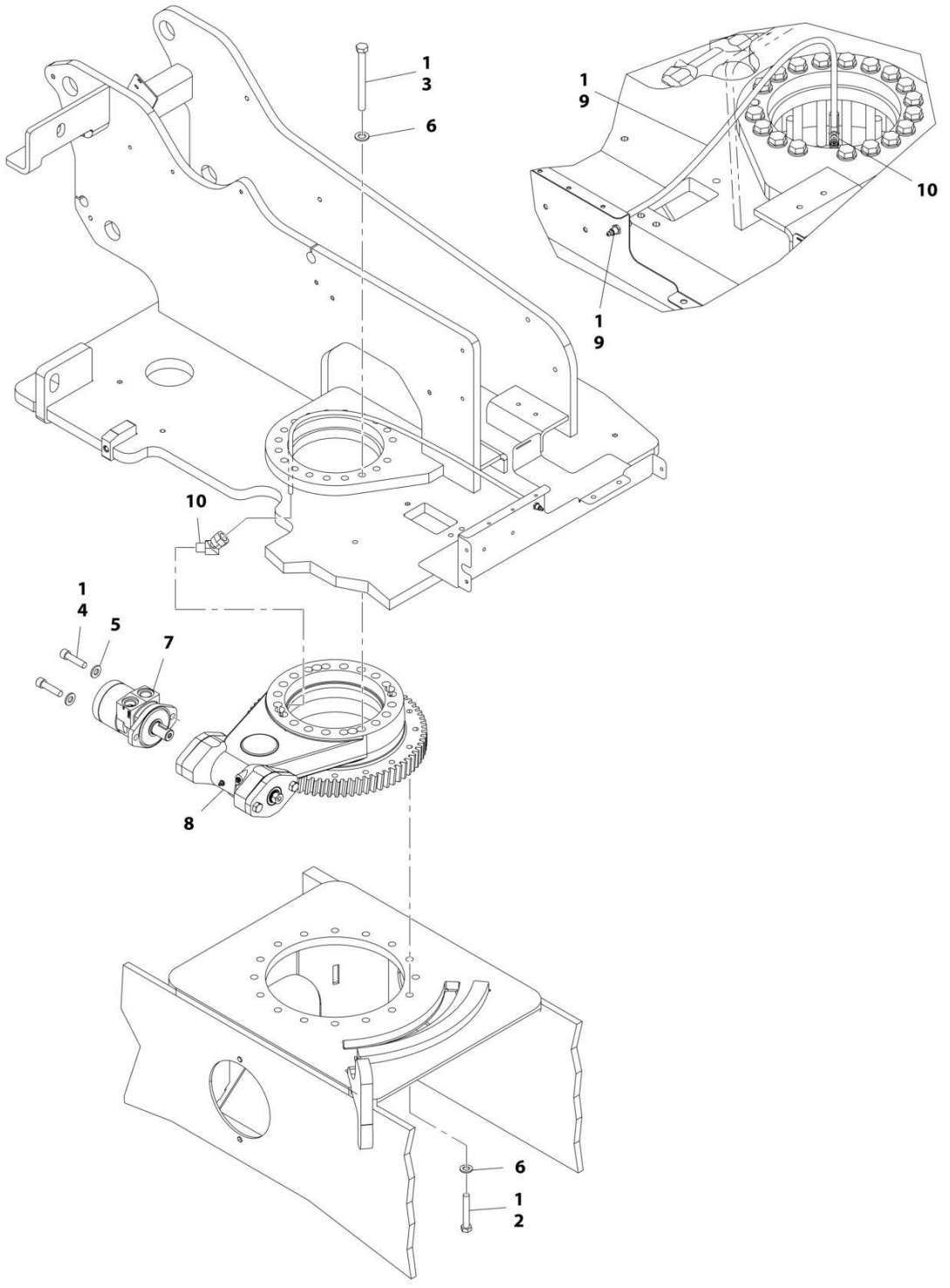


FIGURE 2-3. SWING DRIVE INSTALLATION (DOHI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115774	Ref	SWING DRIVE INSTALLATION (DOHI)	C
1	0100019	AR	Compound, Locking	
2	0711426	16	Bolt M14 x 90 Grade 10.9	
3	0711432	19	Bolt M14 x 150 Grade 10.9	
4	3931832	2	Capscrew 1/2-13 x 2	
5	4740171	2	Washer 1/2	
6	5241400	35	Washer M14	
7	1001107781	1	Swing Motor Assembly (See Separate Breakdown in this Section)	
8	1001117145	1	Swing Bearing and Rotation Box Assembly	
9	1001118961	1	Hose, Remote Grease Line (Includes Grease Fitting)	
10	2220124	1	Fitting, Adapter NPT	

FIGURE 2-4. SWING DRIVE INSTALLATION (JING WEI)

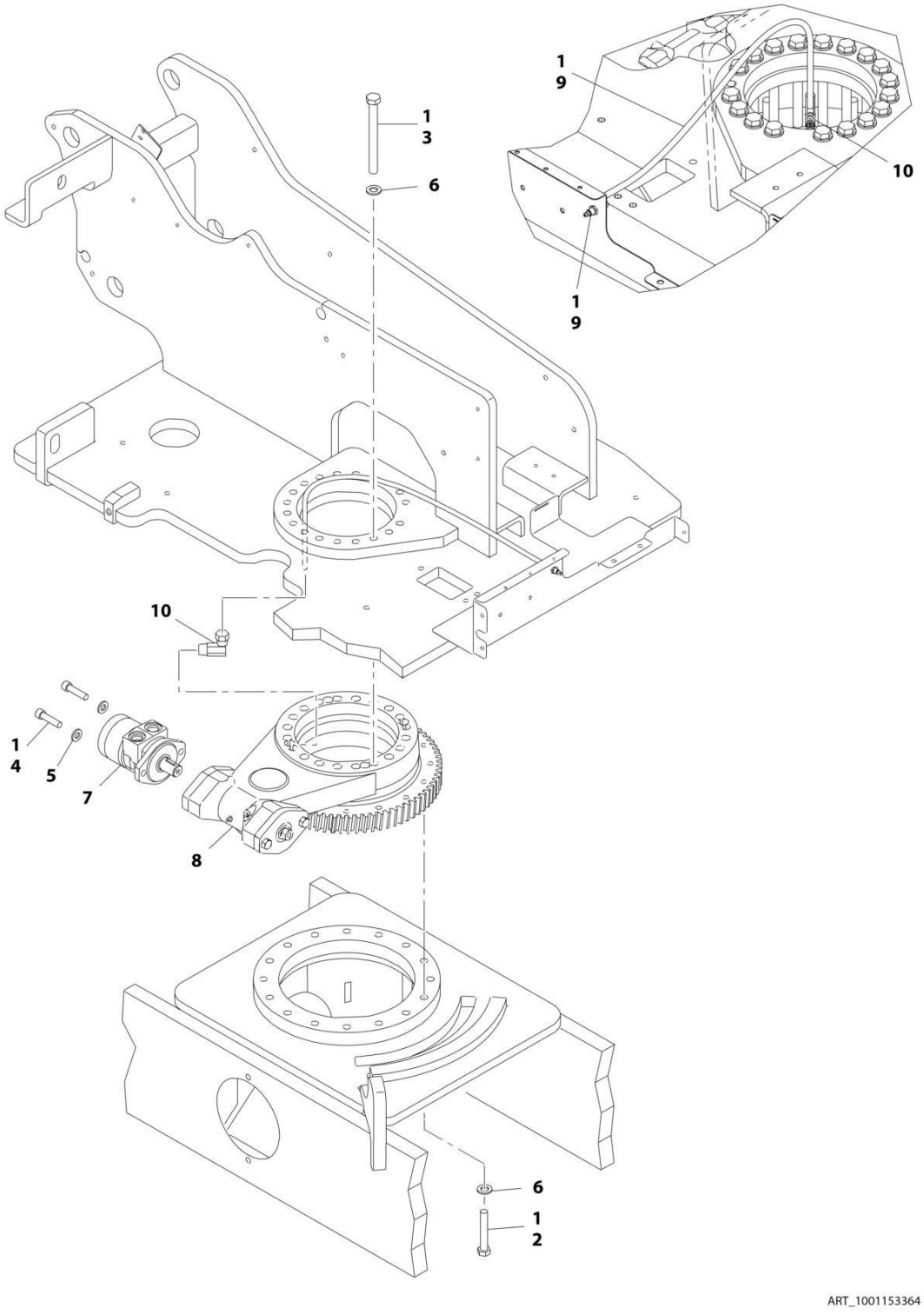


FIGURE 2-4. SWING DRIVE INSTALLATION (JING WEI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153364	Ref	SWING DRIVE INSTALLATION (JING WEI)	C
1	0100019	AR	Compound, Locking	
2	0711426	16	Bolt M14 x 90 Grade 10.9	
3	0711432	19	Bolt M14 x 150 Grade 10.9	
4	3931832	2	Capscrew 1/2-13 x 2	
5	4740171	2	Washer 1/2	
6	5241400	2	Washer M14	
7	1001107781	1	Swing Motor Assembly (See SWING MOTOR ASSEMBLY for Breakdown)	
8	1001153015	1	Swing Bearing and Rotation Box Assembly (See SWING BEARING ASSEMBLY for Breakdown)	
9	1001118961	1	Hose, Remote Grease Line (Includes Grease Fitting)	
10	2220124	1	Fitting, Swivel Adapter	

FIGURE 2-5. SWING MOTOR ASSEMBLY

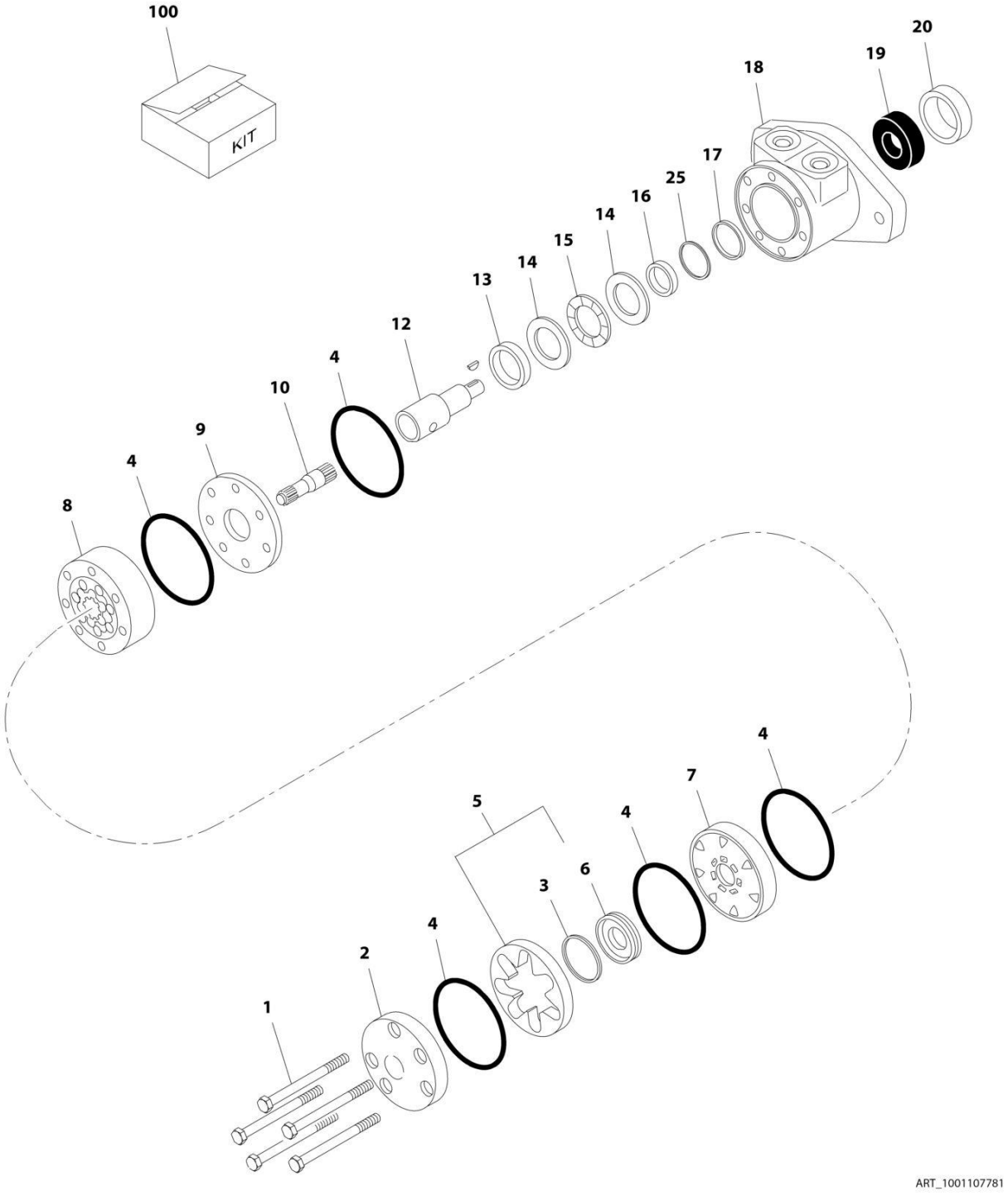


FIGURE 2-5. SWING MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107781	Ref	SWING MOTOR ASSEMBLY	A
1	70002311	5	Bolt	
2	7004035	1	Cover, End	
3	See Note	NSS	Seal, Commutator (Note: Use Item 100)	
4	See Note	NSS	Seal, Ring (Note: Use Item 100)	
5	7024453	1	Commutator and Ring Assembly	
6	See Note	1	Ring (Note: Use Item 5)	
7	7024379	1	Manifold	
8	70002312	1	Rotor Set	
9	7024380	1	Plate, Wear	
10	70002313	1	Link, Drive	
12	70000088	1	Shaft, Coupling	
12	70000089	1	Key, Woodruff	
13	7024381	1	Bushing, Bronze	
14	7004043	2	Washer, Thrust	
15	7004044	1	Bearing, Thrust	
16	See Note	NSS	Seal, Inner (Note: Use Item 100)	
17	See Note	NSS	Washer, Back-up (Note: Use Item 100)	
18	See Note	NSS	Housing (Note: Not Available - Purchase Complete Assembly)	
19	7024390	1	Bearing	
20	See Note	NSS	Seal (Note: Use Item 100)	
25	See Note	NSS	Washer, Back-up (Note: Use Item 100)	
100	7024389	1	Seal Kit (Includes Items 3, 4, 16, 17, 20 & 25)	

FIGURE 2-6. SWING BEARING ASSEMBLY

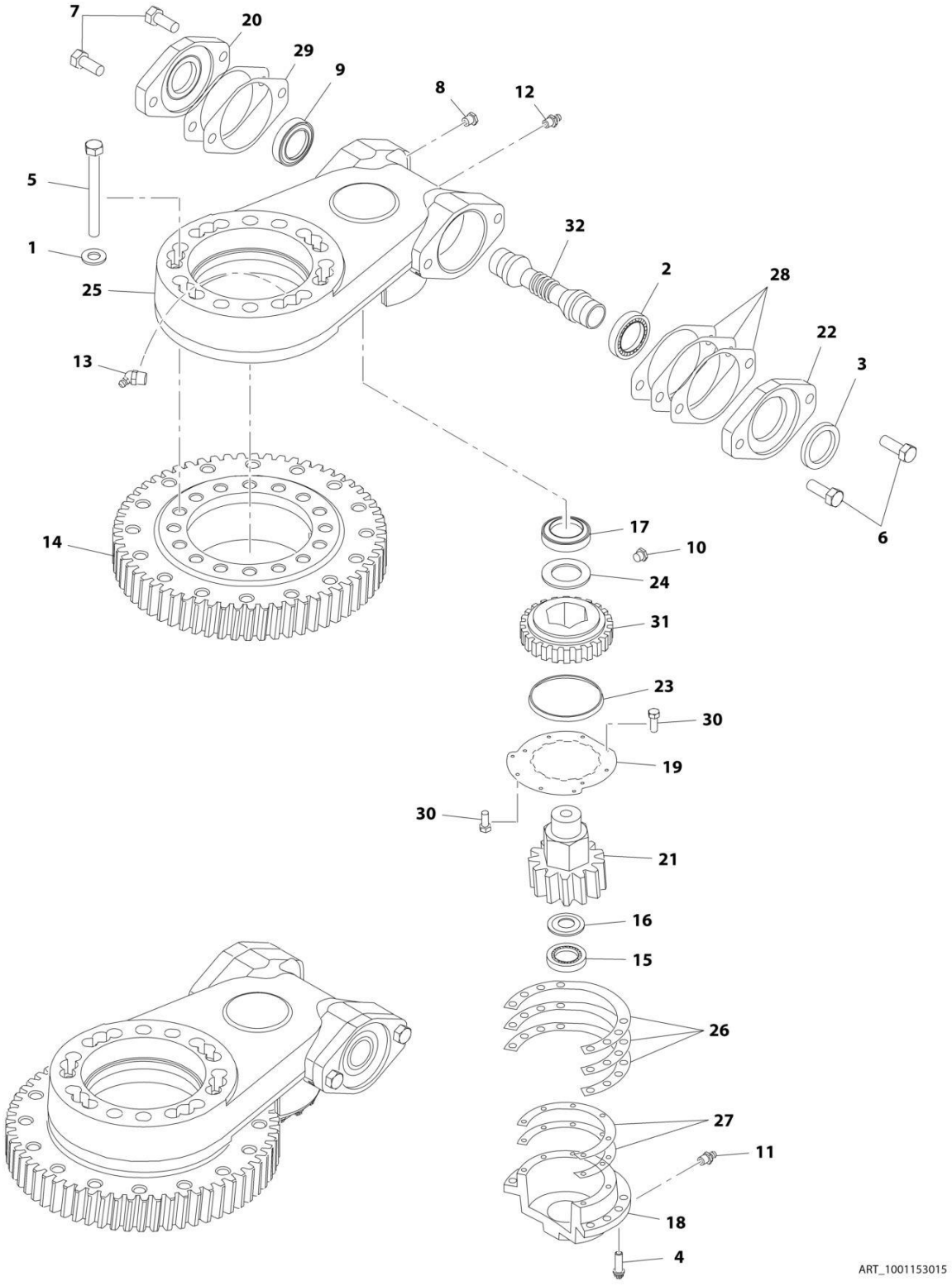


FIGURE 2-6. SWING BEARING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153015	Ref	SWING BEARING ASSEMBLY	B
1	7026041	2	Washer 5/16	
2	70002643	2	Cup, Bearing	
2	70002644	2	Cone, Bearing	
3	70002645	1	Seal	
4	70002646	8	Bolt 5/16-18 x 7/8	
5	70003138	2	Bolt 5/16-18 x 2-1/2	
6	70002647	2	Bolt 1/2-13 x 1	
7	70002648	2	Bolt 1/2-13 x 1-1/4	
8	70002649	1	Vent, Pressure	
9	70002650	1	Seal	
10	70003139	1	Plug 1/4	
11	70002651	1	Fitting, Grease 1/4	
12	70002652	1	Fitting, Grease 1/8 Straight	
13	7027359	1	Fitting, Grease 1/8 90	
14	1001160531	1	Turntable Bearing Kit (Includes Bearing & Hardware) (was p/n 1001143932 & 70003140)	
15	70002656	1	Cup, Bearing	
15	70002657	1	Cone, Bearing	
16	70002658	1	Ring, Grease	
17	7026048	1	Cup, Bearing	
17	7026049	1	Cone, Bearing	
18	70002659	1	Cap, Gear	
19	70003141	1	Plate, Cover	
20	70002661	1	Cap, Worm	
21	70003142	1	Pinion, Output	
22	70002663	1	Adapter, Motor	
23	70002664	1	Seal, Face	
24	7026052	1	Spacer, Washer	
25	See Note	1	Housing (Note: Not Available - Purchase Complete Assembly)	
26	70002665	1	Shim .0075 Natural	
26	70002666	1	Shim .005 Blue	
26	70002667	1	Shim .003 Green	
27	70002668	1	Shim .005 Blue	
27	70002669	1	Shim .020 Yellow	
28	7027352	1	Gasket .010 Brown	
28	7027351	1	Gasket .0075 Clear	
28	7027350	1	Gasket .005 Blue	
29	7027353	1	Gasket .020 Yellow	
30	70000681	10	Bolt #6-32 x 3/8	
31	70002670	1	Gear, Worm	
32	70002671	1	Shaft, Worm	

FIGURE 2-7. TANK INSTALLATION (DIESEL MACHINES)

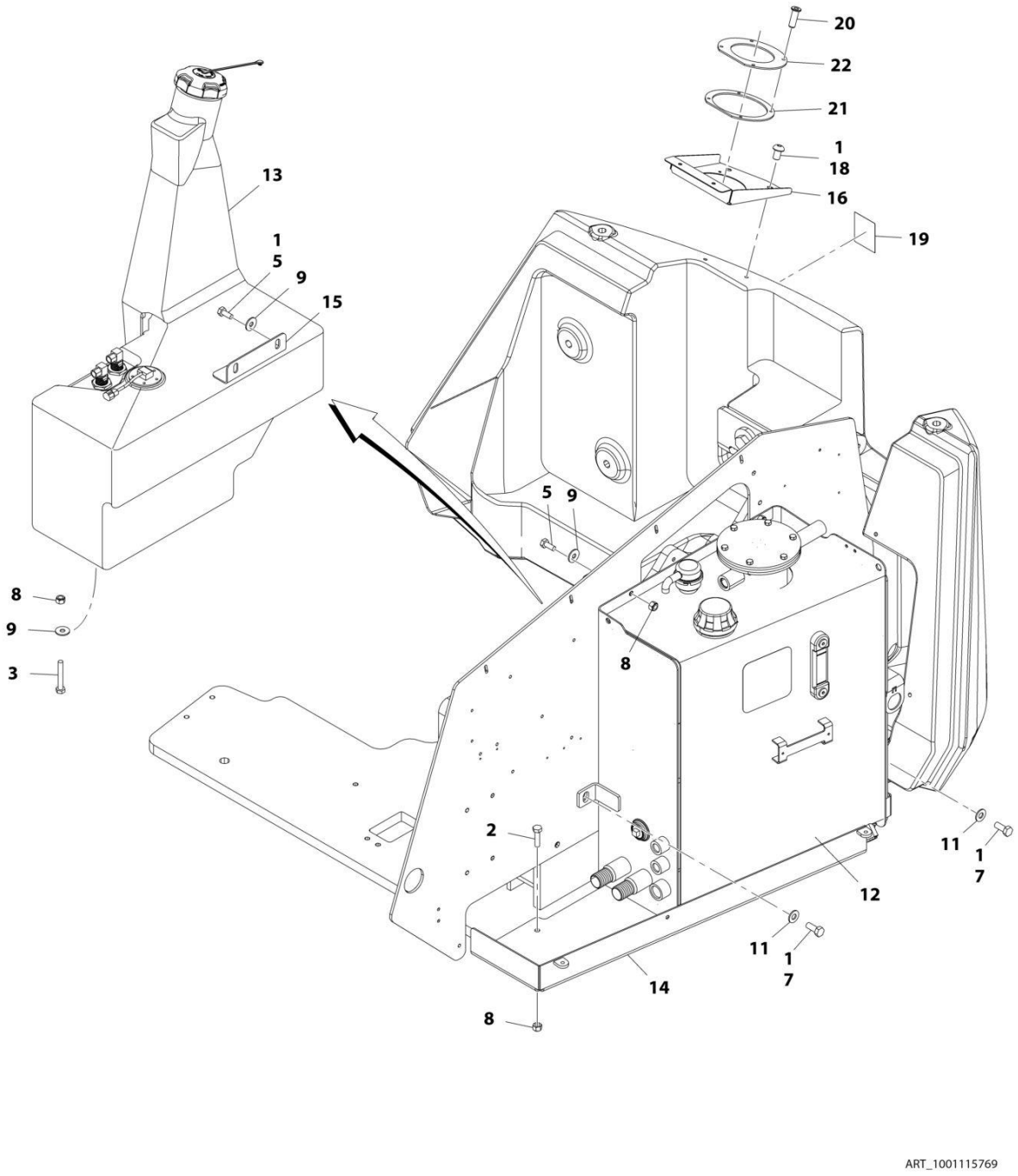


FIGURE 2-7. TANK INSTALLATION (DIESEL MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115769	Ref	TANK INSTALLATION (DIESEL MACHINES)	E
1	0100011	AR	Compound, Locking	
2	0701016	2	Bolt M10 x 40	
3	0701022	1	Bolt M10 x 70	
5	0761012	4	Bolt M10 x 25	
7	0761214	2	Bolt M12 x 30	
8	3291005	5	Nut M10	
9	4812002	5	Washer M10	
11	4812102	2	Washer M12	
12	1001116339	1	Hydraulic Tank Assembly (See HYDRAULIC TANK ASSEMBLY for Breakdown)	
13	1001117897	1	Fuel Tank Assembly (See FUEL TANK ASSEMBLY (DIESEL MACHINES) for Breakdown)	
14	1001118502	1	Shield, Bottom Tank	
15	1001118509	1	Support, Tank	
16	1001118510	1	Shield, Tank Neck	
18	1001119527	2	Screw M10 x 16	
19	1701505	1	Decal - Diesel Fuel	
20	3820032	4	Rivet	
21	1001128781	1	Seal, Neck	
22	1001128782	1	Ring, Neck	

FIGURE 2-8. TANK INSTALLATION (GAS MACHINES)

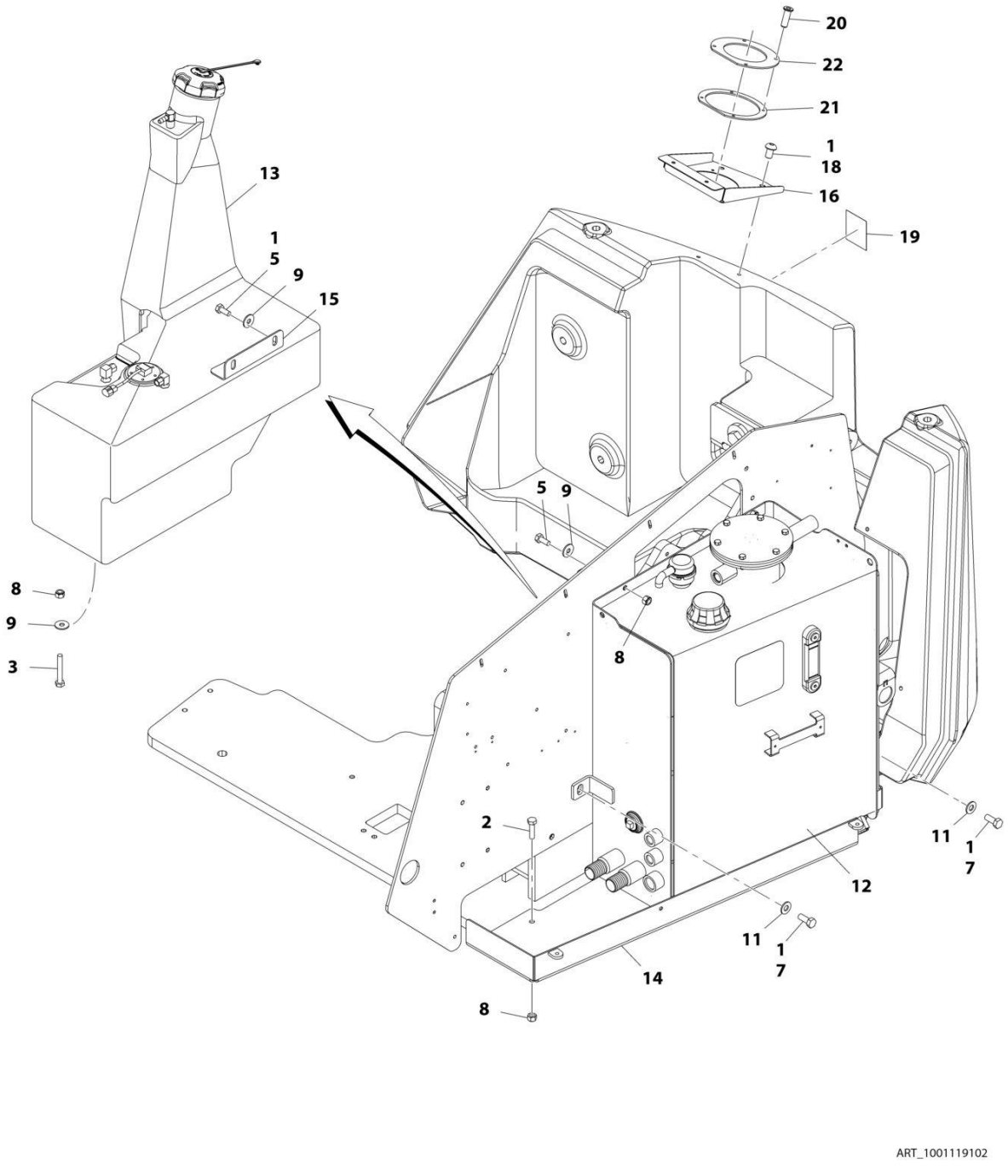


FIGURE 2-8. TANK INSTALLATION (GAS MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119102	Ref	TANK INSTALLATION (GAS MACHINES)	F
1	0100011	AR	Compound, Locking	
2	0701016	2	Bolt M10 x 40	
3	0701022	1	Bolt M10 x 70	
5	0761012	4	Bolt M10 x 25	
7	0761214	2	Bolt M12 x 30	
8	3291005	5	Nut M10	
9	4812002	5	Washer M10	
11	4812102	2	Washer M12	
12	1001116339	1	Hydraulic Tank Assembly (See HYDRAULIC TANK ASSEMBLY for Breakdown)	
13	1001117895	NLA	Fuel Tank Assembly (Use p/n 1001211509) (See FUEL TANK ASSEMBLY (GAS MACHINES) for Breakdown) **(SN 0300200802 through 0300228556)**	
13	1001211509	1	Fuel Tank Assembly (See FUEL TANK ASSEMBLY (GAS MACHINES) for Breakdown) **(SN 0300228557 through 0300272222, Except SN 0300272191 through 0300272192)**	
14	1001118502	1	Shield, Bottom Tank	
15	1001118509	1	Support, Tank	
16	1001118510	1	Shield, Tank Neck	
18	1001119527	2	Screw M10 x 16	
19	1701542	1	Decal - Gas Fuel	
20	3820032	4	Rivet	
21	1001128781	1	Seal, Neck	
22	1001128782	1	Ring, Neck	

FIGURE 2-9. HYDRAULIC TANK ASSEMBLY

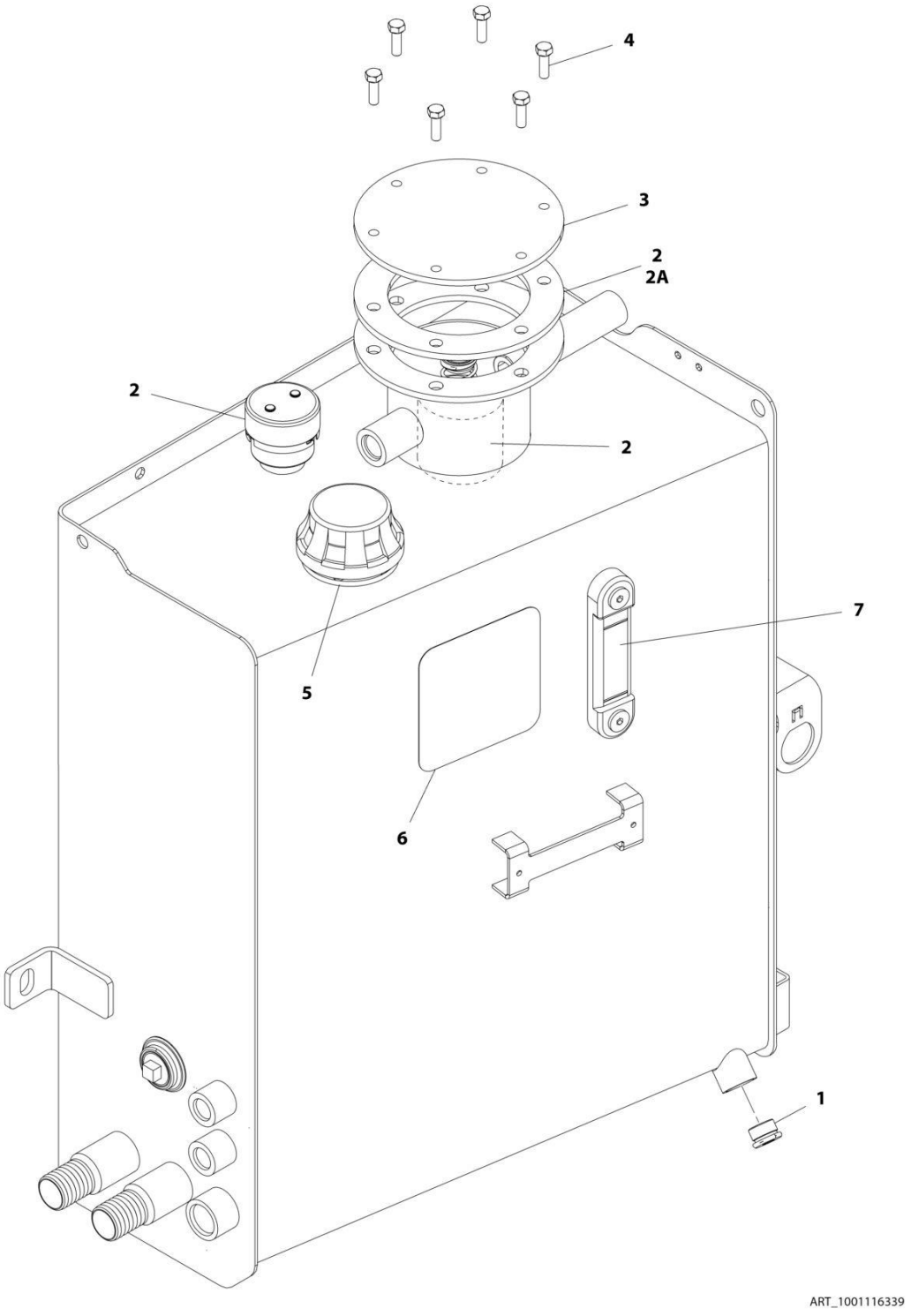


FIGURE 2-9. HYDRAULIC TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001116339	Ref	HYDRAULIC TANK ASSEMBLY	F
1	70002112	1	Plug, Magnetic	
2	70002812	1	Hydraulic Breather/Filter Kit	
2A	70002839	1	Gasket	
3	See Note	NSS	Cover (Note: Use p/n 1001116339)	
4	See Note	NSS	Bolt (Note: Not Available - Purchase Locally)	
5	70002838	1	Cap, Fill	
6	70002840	1	Decal - Filter Replacement	
7	7024441	1	Gauge, Sight	

FIGURE 2-10. FUEL TANK ASSEMBLY (DIESEL MACHINES)

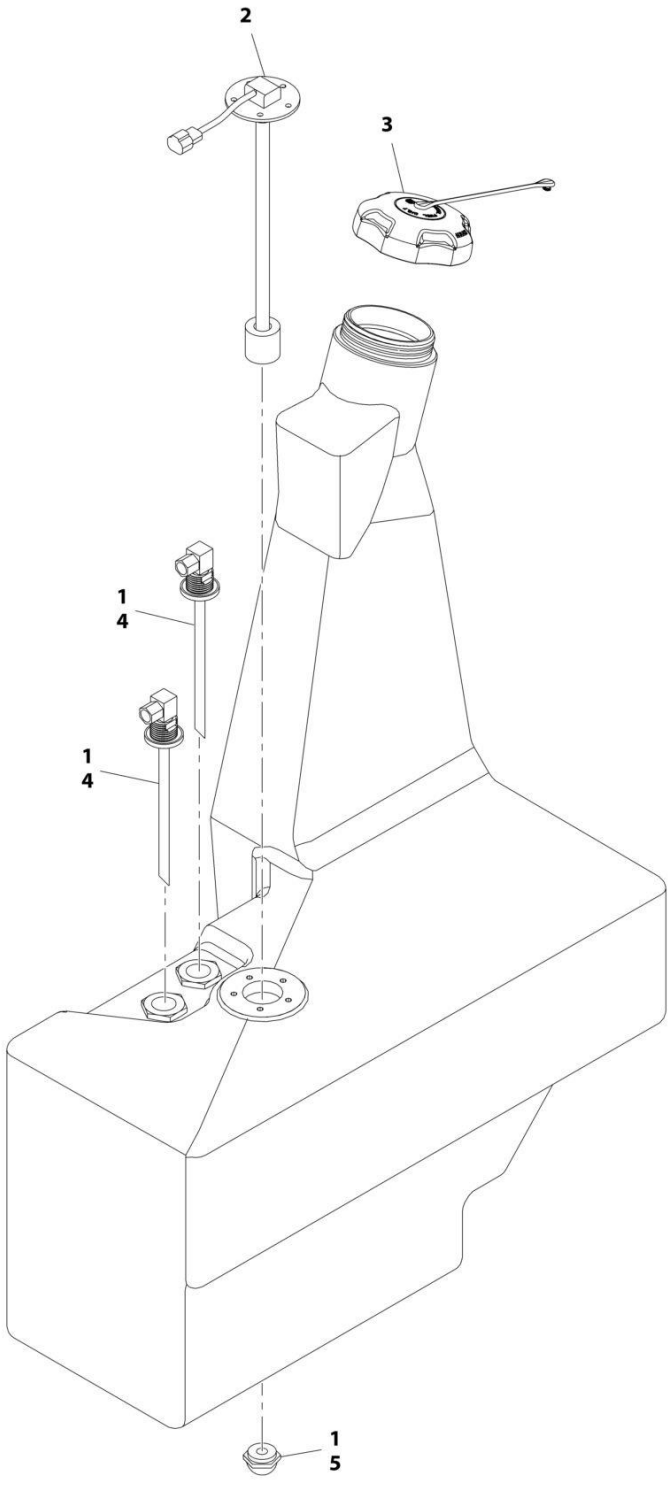


FIGURE 2-10. FUEL TANK ASSEMBLY (DIESEL MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117897	Ref	FUEL TANK ASSEMBLY (DIESEL MACHINES)	G
1	0100020	AR	Sealant	
2	1001118262	1	Sender	
2	See Note	NSS	Seal, Sender (Note: Use p/n 1001118262)	
2	0721004	5	Screw #10-24 x 1/2	
3	1001128798	1	Cap, Fuel - Diesel	
4	See Note	NSS	Tube, Steel with Elbow Fitting (Note: Use p/n 1001117897)	
5	See Note	NSS	Plug (Note: Not Available - Purchase Locally)	

FIGURE 2-11. FUEL TANK ASSEMBLY (GAS MACHINES) (SN 0300200802 through 0300228556)

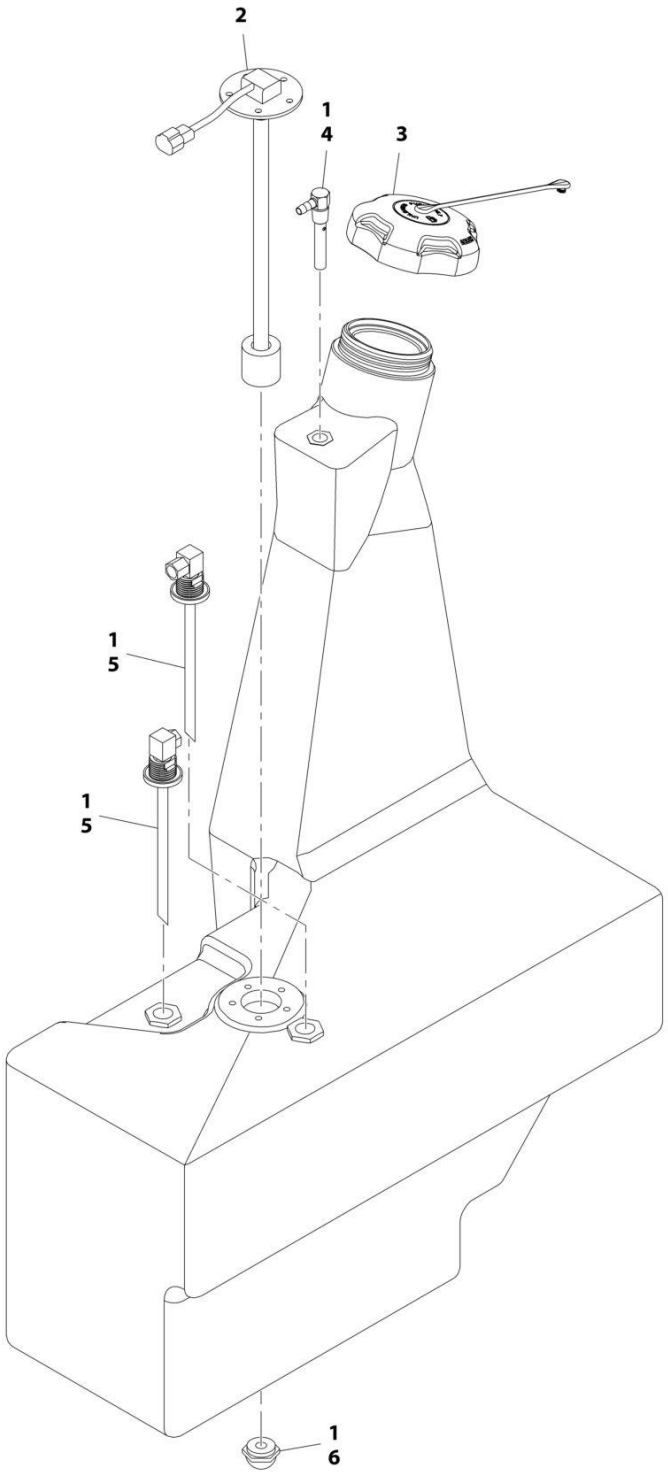


FIGURE 2-11. FUEL TANK ASSEMBLY (GAS MACHINES) (SN 0300200802 through 0300228556)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117895	Ref	FUEL TANK ASSEMBLY (GAS MACHINES) **(SN 0300200802 through 0300228556)**	H
1	0100020	AR	Sealant	
2	1001118262	1	Sender	
2	See Note	NSS	Seal, Sender (Note: Use p/n 1001118262)	
2	0721004	5	Screw #10-24 x 1/2	
3	1001128799	1	Cap, Fuel - Gas	
4	1001129043	1	Valve, Fuel Vent	
5	See Note	NSS	Tube, Steel with Elbow Fitting (Note: Use p/n 1001117895)	
6	See Note	NSS	Plug (Note: Not Available - Purchase Locally)	

FIGURE 2-12. FUEL TANK ASSEMBLY (GAS MACHINES) (SN 0300228557 through 0300272222)

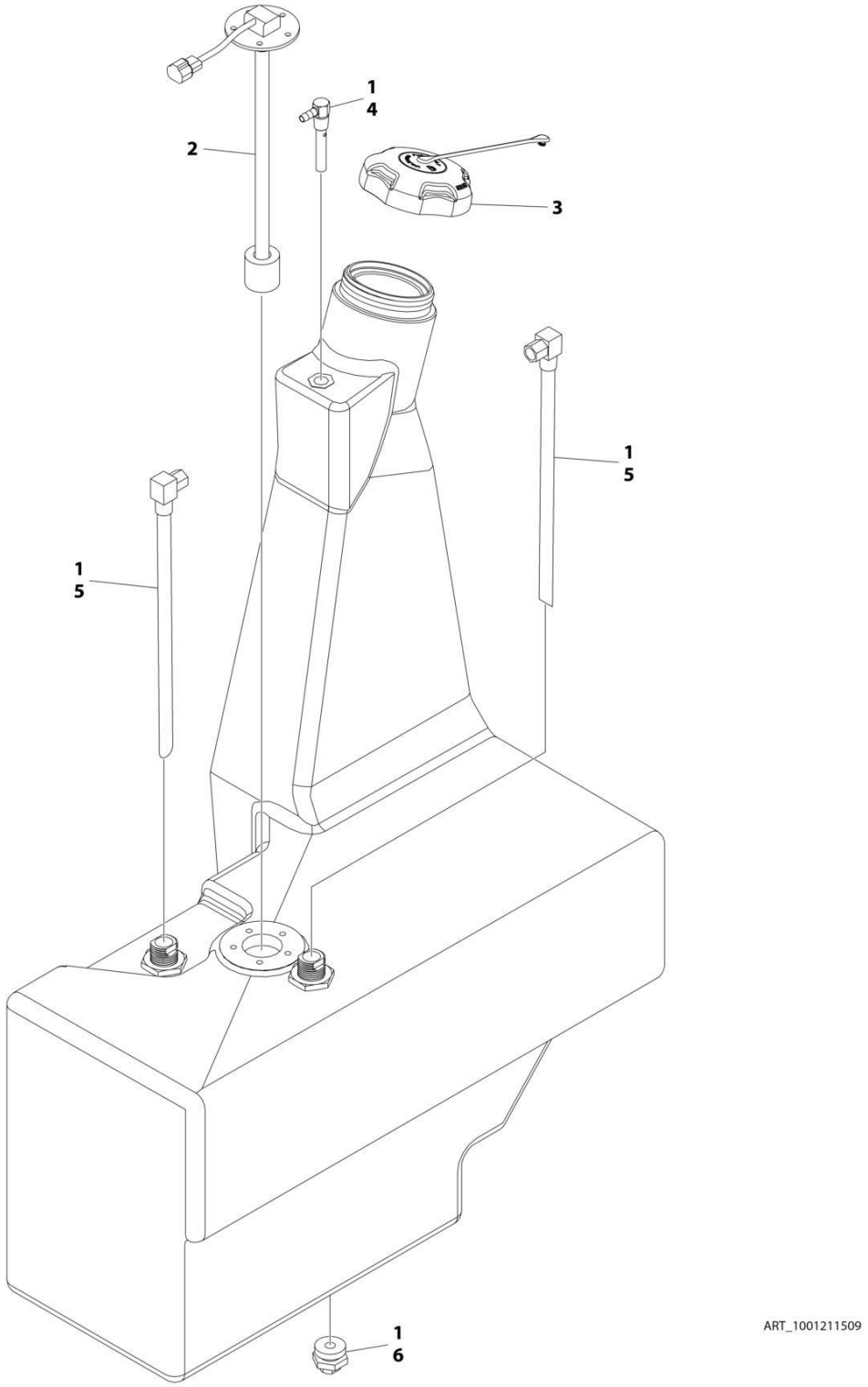


FIGURE 2-12. FUEL TANK ASSEMBLY (GAS MACHINES) (SN 0300228557 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211509	Ref	FUEL TANK ASSEMBLY (GAS MACHINES)	A
1	0100020	AR	Sealant	
2	1001118262	1	Sender	
2	See Note	NSS	Seal, Sender (Note: Use p/n 1001211509)	
2	0721004	5	Screw #10-24 x 1/2	
3	1001128799	1	Cap, Fuel - Gas	
4	1001129043	1	Valve, Fuel Vent	
5	See Note	NSS	Tube, Steel with Elbow Fitting (Note: Use p/n 1001211509)	
6	See Note	NSS	Plug (Note: Not Available - Purchase Locally)	

FIGURE 2-13. KIT, LOCKABLE FUEL CAP (DIESEL MACHINES ONLY) (OPTIONAL)

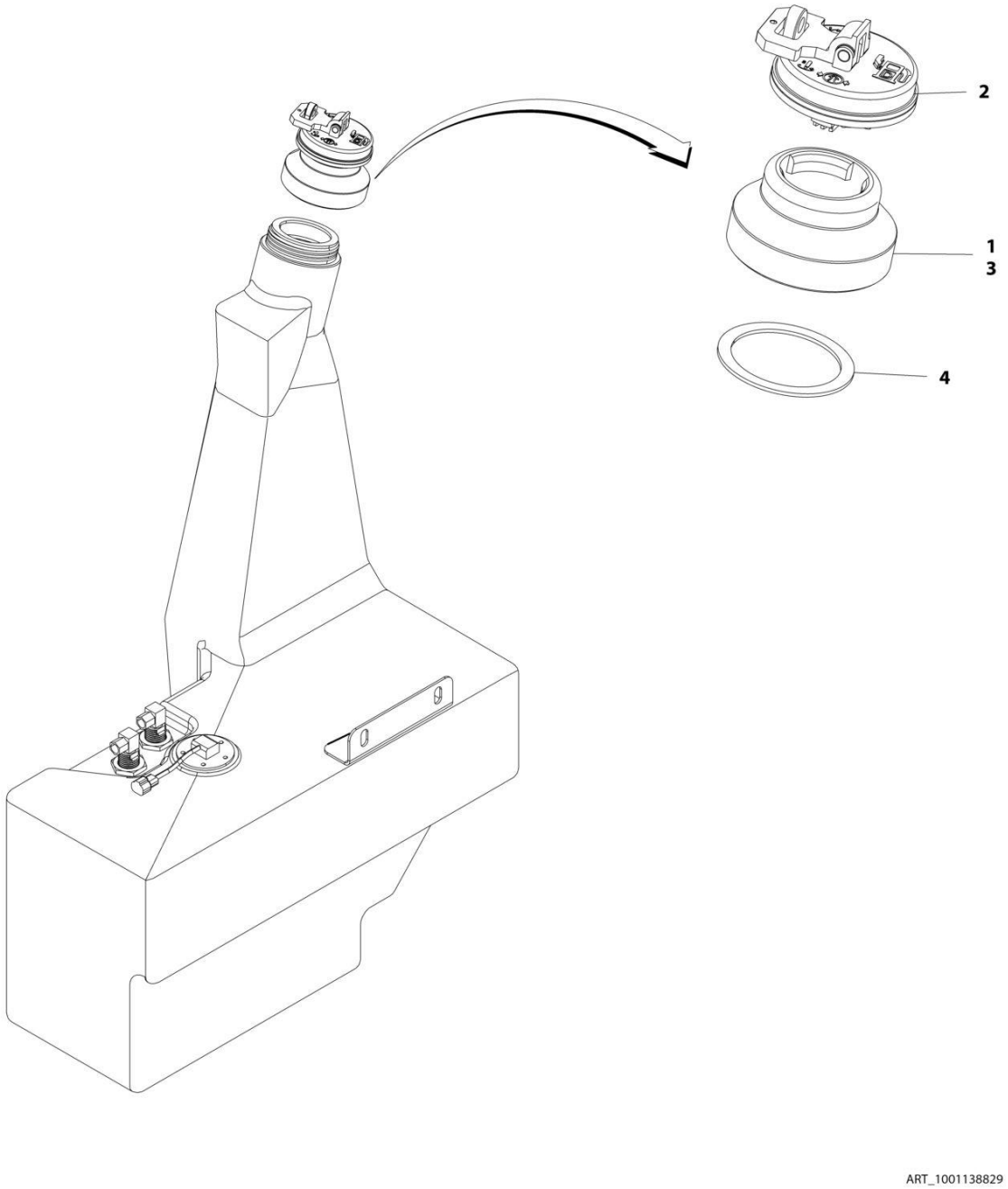


FIGURE 2-13. KIT, LOCKABLE FUEL CAP (DIESEL MACHINES ONLY) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001138829	Ref	KIT, LOCKABLE FUEL CAP (DIESEL MACHINES ONLY) (OPTIONAL)	A
1	0100093	1	Compound, Locking	
2	1001125283	1	Cap, Fill	
3	1001138752	1	Adapter	
4	1001139843	1	Gasket	

FIGURE 2-14. LP TANK ASSEMBLY (GAS MACHINES ONLY)

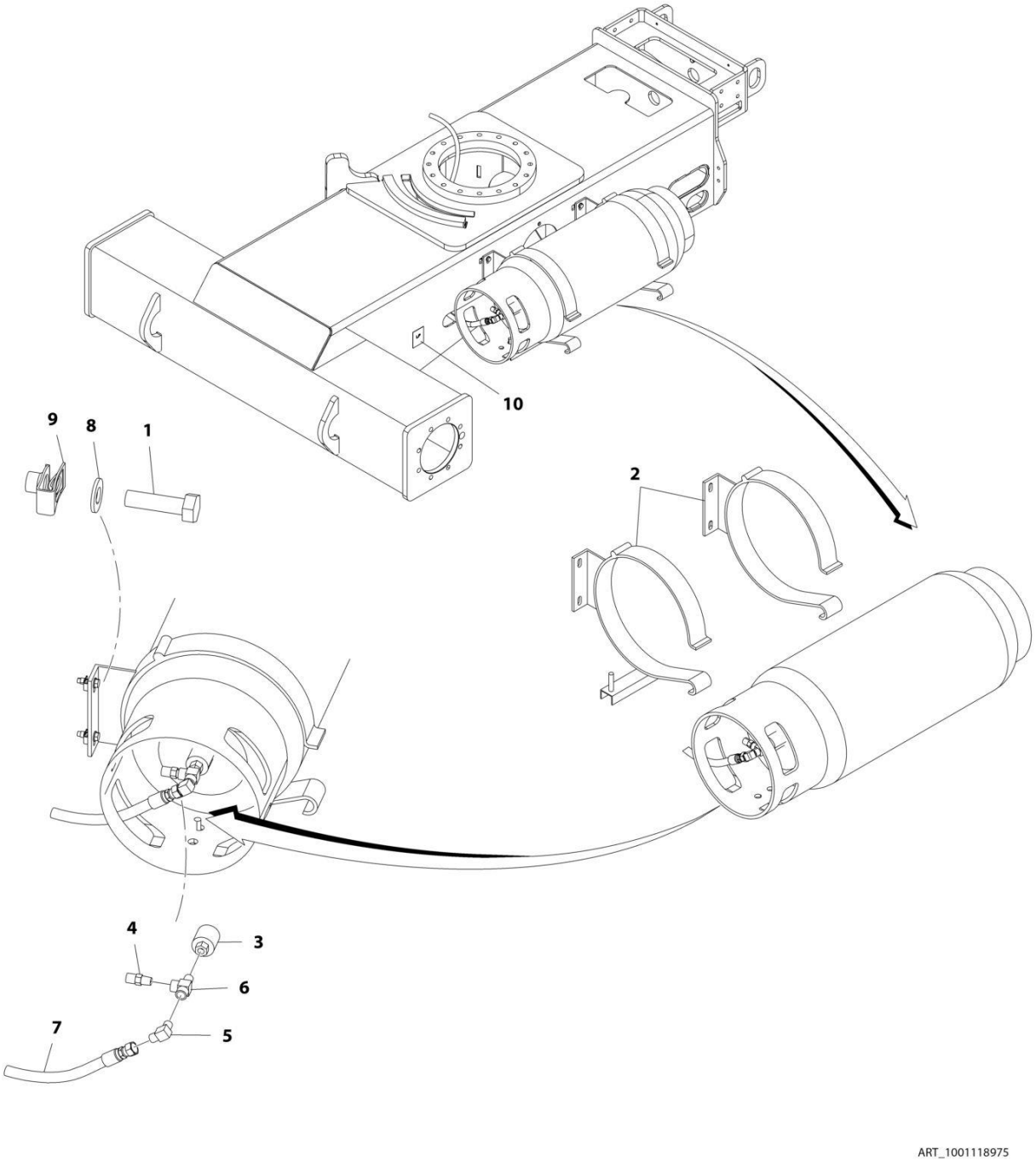


FIGURE 2-14. LP TANK ASSEMBLY (GAS MACHINES ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118975	Ref	LP TANK ASSEMBLY (GAS MACHINES ONLY)	C
1	0760814	4	Bolt M8 x 30	
2	1320220	1	LP Tank Clamp Kit	
3	2180387	1	Fitting, LP	
4	2180389	1	Fitting, Relief Valve	
5	2180504	1	Fitting, Elbow	
6	2220290	1	Fitting, Adapter	
7	2720175	1	Hose	
8	4811900	4	Washer M8	
9	1001118274	4	Nut, Retainer	
10	1701543	1	Decal - LP	
100	1001196242	1	Bracket Kit for Shorter Tank (Not Shown - Includes Bracket & Hardware Only)	

FIGURE 2-15. ELECTRICAL COMPONENTS INSTALLATION (ALL SPECS EXCEPT CE)

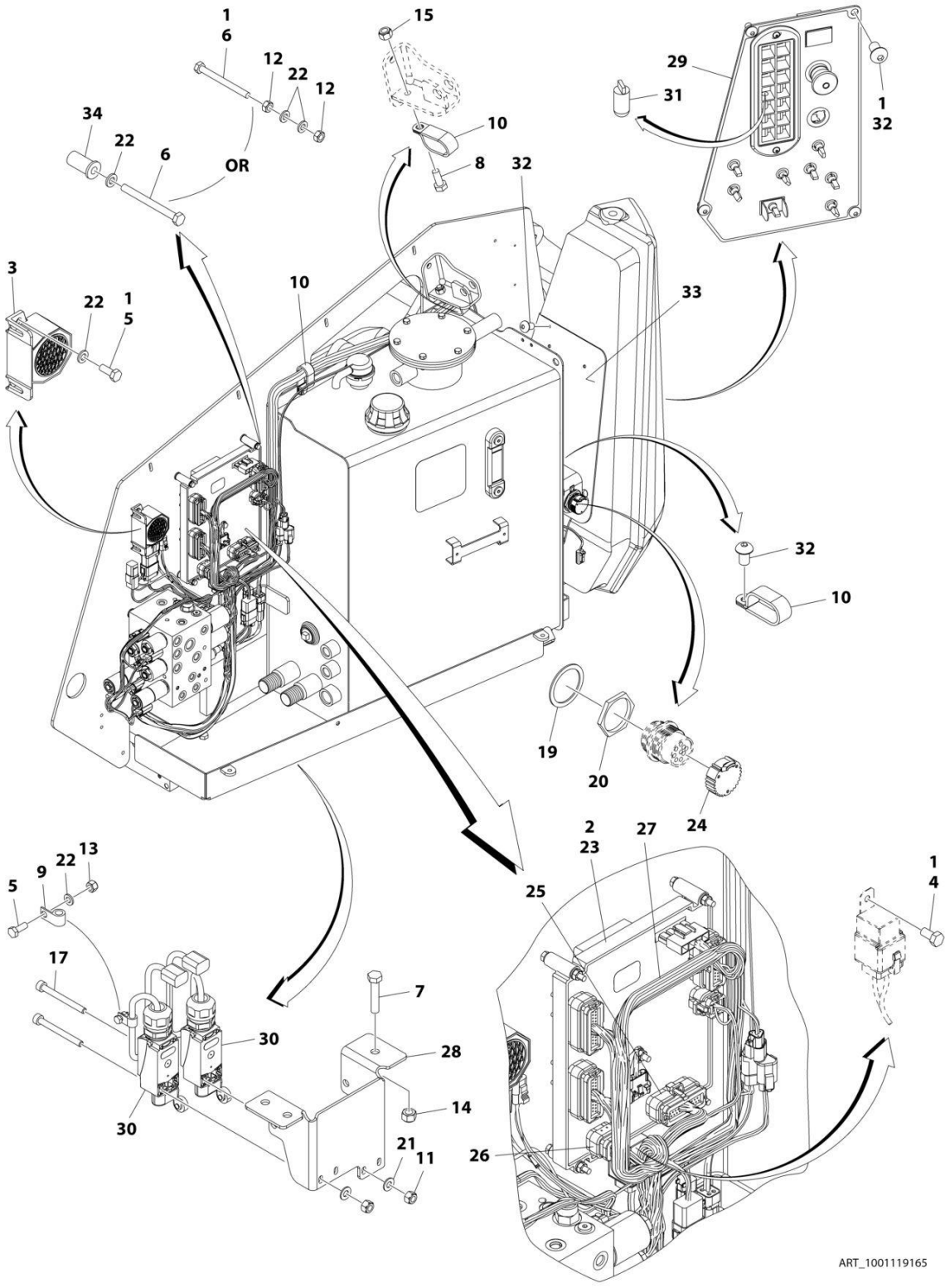


FIGURE 2-15. ELECTRICAL COMPONENTS INSTALLATION (ALL SPECS EXCEPT CE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119165	Ref	ELECTRICAL COMPONENTS INSTALLATION (ALL SPECS EXCEPT CE)	K
1	0100011	AR	Compound, Locking	
2	0100048	AR	Sealant, Silicone	
3	0140043	1	Alarm	
4	0760505	1	Bolt M5 x 10	
5	0760608	4	Bolt M6 x 16	
6	0760621	5	Bolt M6 x 65	
7	0760816	3	Bolt M8 x 40	
8	0761012	1	Bolt M10 x 25	
9	1321293	2	Clamp	
10	1321716	3	P-Clamp	
11	3290405	4	Nut M4	
12	3290601	10	Nut M6 **(SN 0300200802 through 0300221676)**	
13	3290605	2	Nut M6	
14	3290805	3	Nut M8	
15	3291005	1	Nut M10	
17	4031512	4	Capscrew M4 x 40	
18	4240033	2	Tie-Strap (Not Shown)	
19	4460496	1	Washer	
20	4460497	1	Nut	
21	4811400	4	Washer M4	
22	4811700	AR	Washer M6	
23	1001120431	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
24	1001106736	1	Cap, Dust	
25	1001118218	1	Harness, Ground User Interface Harness (See ELECTRICAL SECTION for Breakdown)	
26	1001118293	1	Valve Harness (See ELECTRICAL SECTION for Breakdown)	
27	1001118333	1	Mid-Engine Harness (See ELECTRICAL SECTION for Breakdown)	
28	1001141710	1	Bracket, Switch	
29	1001119173	1	Ground Control Assembly (See GROUND CONTROL ASSEMBLY (ALL SPECS EXCEPT CE) for Breakdown)	
30	1001119176	2	Limit Switch and Harness Assembly (See ELECTRICAL SECTION for Breakdown)	
30	1001119170	2	Switch, Limit (1 per Assembly)	
31	2920129	8	Bulb, Light	
32	1001119527	7	Screw, Button Head M10 x 16	
33	1001125291	1	Shield, Ground Controls	
34	1001203719	5	Nut M6 **(SN 0300221677 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 2-16. ELECTRICAL COMPONENTS INSTALLATION (CE SPEC)

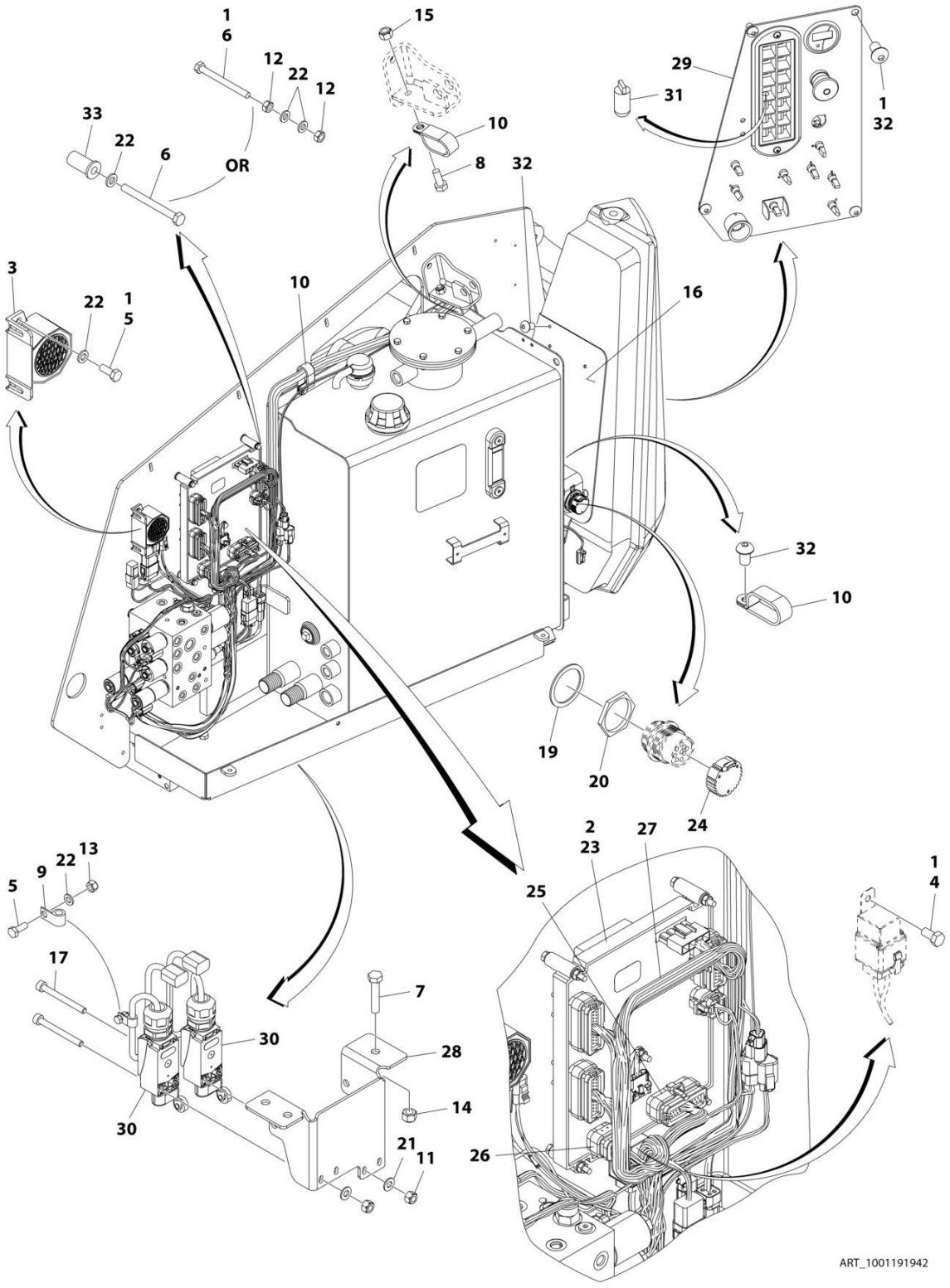


FIGURE 2-16. ELECTRICAL COMPONENTS INSTALLATION (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191942	Ref	ELECTRICAL COMPONENTS INSTALLATION (CE SPEC)	C
1	0100011	AR	Compound, Locking	
2	0100048	AR	Sealant, Silicone	
3	0140043	1	Alarm	
4	0760505	1	Bolt M5 x 10	
5	0760608	4	Bolt M6 x 16	
6	0760621	5	Bolt M6 x 65	
7	0760816	3	Bolt M8 x 40	
8	0761012	1	Bolt M10 x 25	
9	1321293	2	Clamp	
10	1321716	3	P-Clamp	
11	3290405	4	Nut M4	
12	3290601	10	Nut M6 **(SN 0300200802 through 0300221676)**	
13	3290605	2	Nut M6	
14	3290805	3	Nut M8	
15	3291005	1	Nut M10	
16	1001125291	1	Shield, Ground Controls	
17	4031512	4	Capscrew M4 x 40	
18	4240033	2	Tie-Strap (Not Shown)	
19	4460496	1	Washer, Terminal	
20	4460497	1	Nut, Terminal	
21	4811400	4	Washer M4	
22	4811700	AR	Washer M6	
23	1001120431	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
24	1001106736	1	Cap, Dust	
25	1001188094	1	Ground User Interface (See ELECTRICAL SECTION for Breakdown)	
26	1001118293	1	Valve Harness (See ELECTRICAL SECTION for Breakdown)	
27	1001188093	1	Chassis Harness Assembly (See ELECTRICAL SECTION for Breakdown)	
28	1001141710	1	Bracket, Switch	
29	1001188036	1	Ground Control Assembly (See GROUND CONTROL ASSEMBLY (CE SPEC) for Breakdown)	
30	1001119176	2	Limit Switch and Harness Assembly (See ELECTRICAL SECTION for Breakdown)	
30	1001119170	2	Switch, Limit (1 per Assembly)	
31	2920129	8	Bulb, Light	
32	1001119527	7	Screw, Button Head M10 x 16	
33	1001203719	5	Nut M6 **(SN 0300221677 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 2-17. BATTERY INSTALLATION

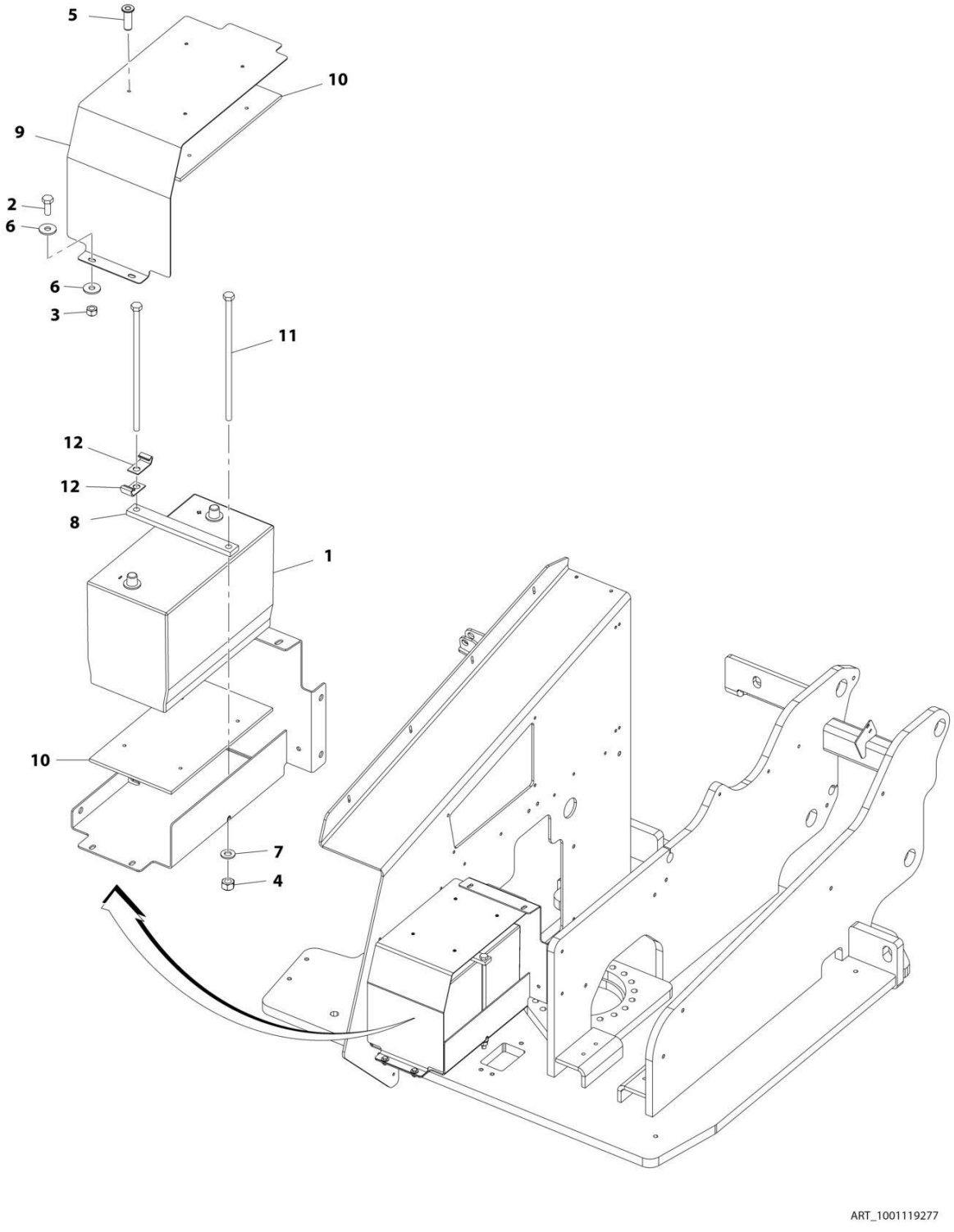


FIGURE 2-17. BATTERY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119277	Ref	BATTERY INSTALLATION	D
1	0400075	1	Battery	
2	0760608	2	Bolt M6 x 16 **(SN 0300200802 through 0300259727)**	
2	0760610	2	Bolt M6 x 20 **(SN 0300259727 through 0300272222, Except SN 0300272191 through 0300272192)**	
3	3290605	2	Nut M6	
4	3291005	2	Nut M10	
5	3820032	4	Rivet	
6	4811702	4	Washer M6	
7	4812000	2	Washer M10	
8	0361810	1	Bar, Hold-down	
9	1001117240	1	Cover	
10	1001119278	2	Insulate	
11	1001119280	2	Bolt M10 x 260	
12	1320223	2	J-Clip	

FIGURE 2-18. STROBE LIGHT INSTALLATION (AMBER) (OPTIONAL)

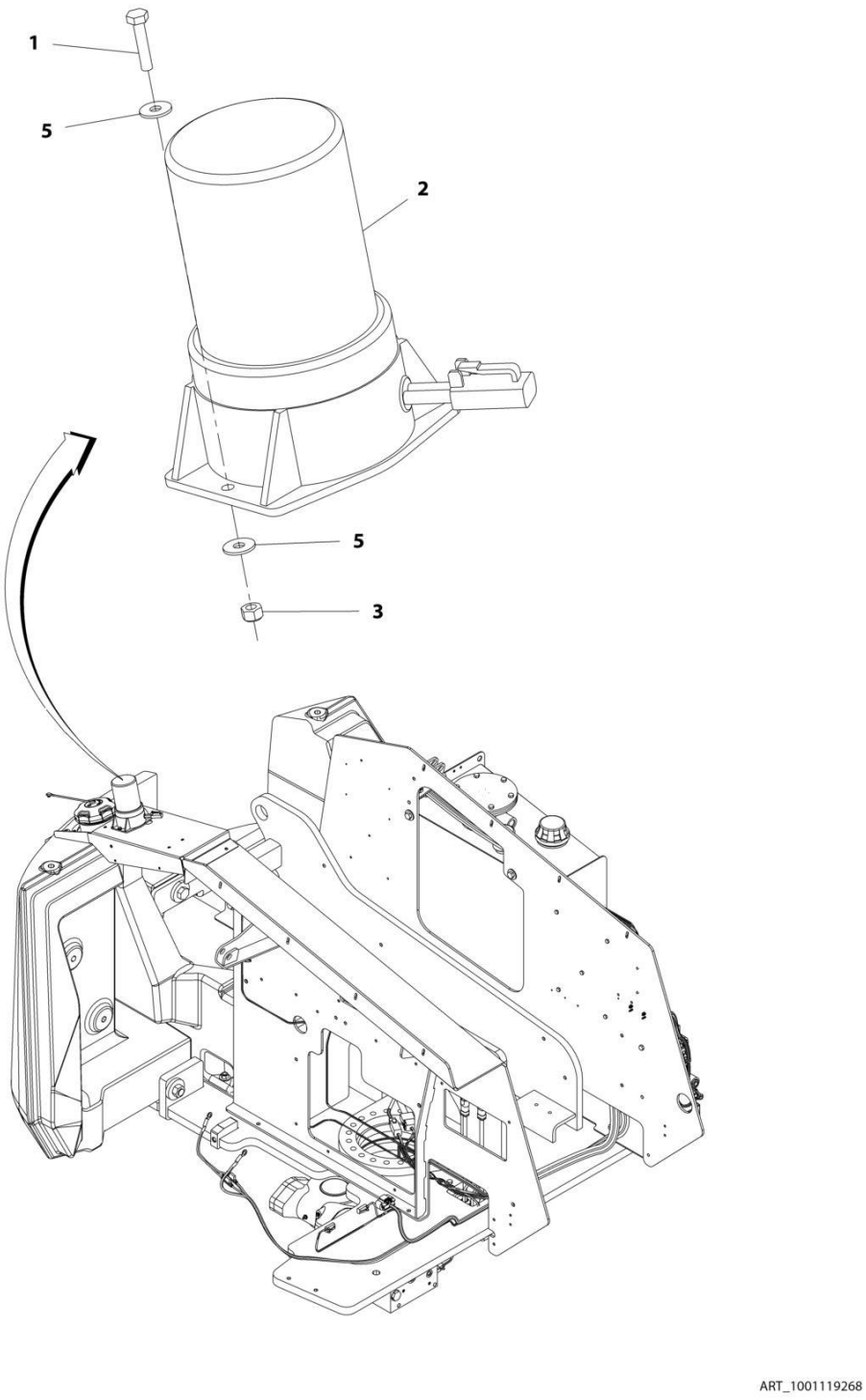


FIGURE 2-18. STROBE LIGHT INSTALLATION (AMBER) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119268	Ref	STROBE LIGHT INSTALLATION (AMBER) (OPTIONAL)	C
1	0760410	2	Bolt M4 x 20	
2	2920161	1	Strobe Light Assembly	
2	7016319	1	Bulb	
2	7016372	1	Lens	
2	4460891	1	Plug, Male - 2 Position	
2	4460465	1	Socket, Female	
3	3290405	2	Nut M4	
5	1001091102	4	Washer M4	
6	4240032	2	Tie-Strap (Not Shown)	

FIGURE 2-19. STROBE LIGHT INSTALLATION (BLUE) (OPTIONAL) (SN 0300200802 through 0300217809)

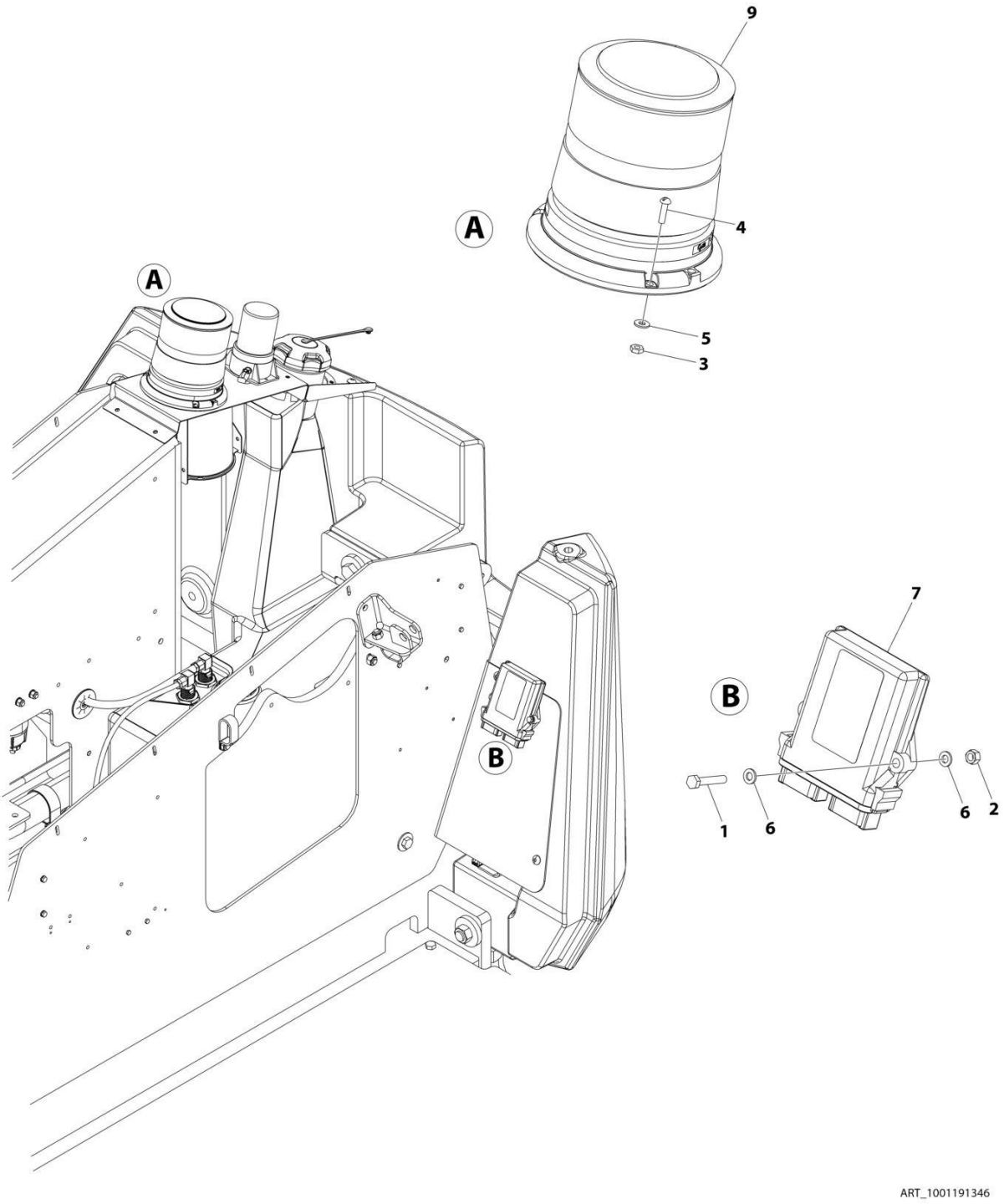


FIGURE 2-19. STROBE LIGHT INSTALLATION (BLUE) (OPTIONAL) (SN 0300200802 through 0300217809)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191346	Ref	STROBE LIGHT INSTALLATION (BLUE) (OPTIONAL) **(SN 0300200802 through 0300217809)**	B
1	0700615	2	Bolt M6 x 35	
2	3290607	2	Nut M6	
3	3311005	3	Nut #10	
4	3911012	3	Screw #10 x 3/4	
5	4711000	3	Washer #10	
6	4811700	4	Washer M6	
7	1001142683	1	Module, Beacon Control	
8	1001142736	1	Strobe Light Control Harness (Not Shown - See ELECTRICAL SECTION for Breakdown)	
9	1001143431	NLA	Light, Strobe (Use p/n 1001210696 and p/n 1001200910)	
10	1001159027	1	Strobe Light Harness (Not Shown - See ELECTRICAL SECTION for Breakdown)	

FIGURE 2-20. STROBE LIGHT INSTALLATION (BLUE) (OPTIONAL) (SN 0300217810 through 0300257078)

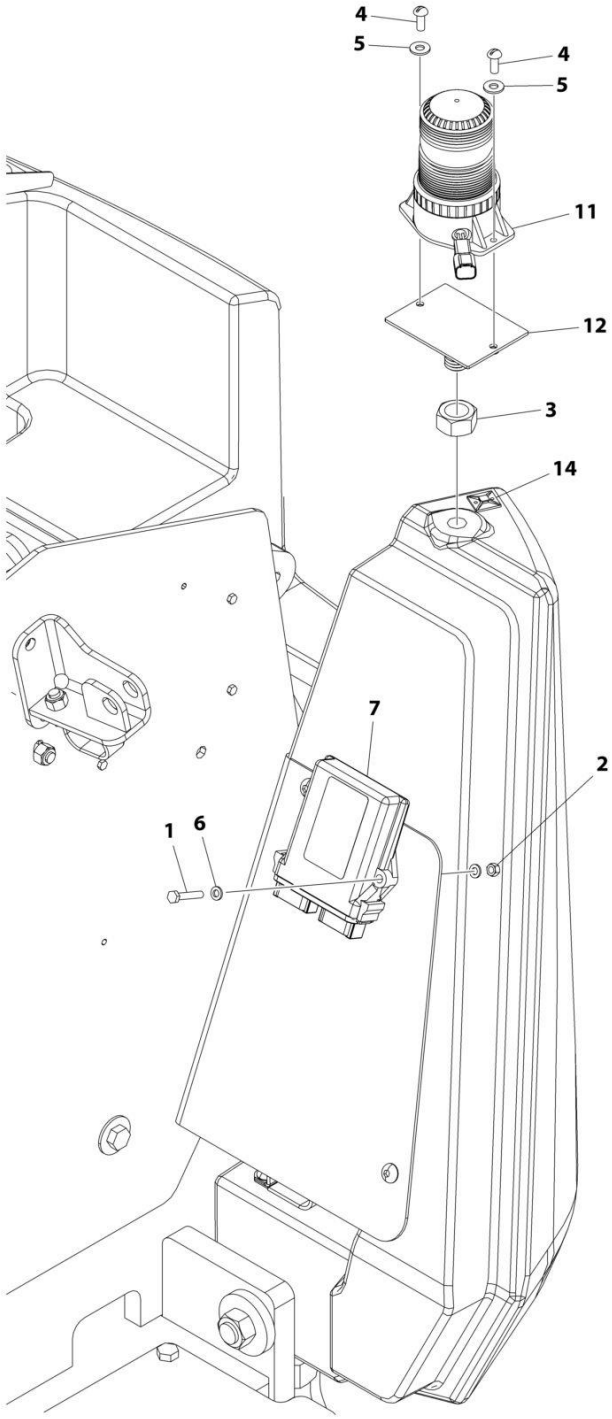


FIGURE 2-20. STROBE LIGHT INSTALLATION (BLUE) (OPTIONAL) (SN 0300217810 through 0300257078)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207139	Ref	STROBE LIGHT INSTALLATION (BLUE) (OPTIONAL)	F
1	0700615	2	Bolt M6 x 35	
2	3290607	2	Nut M6	
3	3292001	1	Nut M20	
4	3900085	2	Screw #10 x 1/2	
5	4751000	2	Washer #10	
6	4811700	4	Washer M6	
7	1001142683	1	Module, Beacon Control	
8	1001142736	1	Strobe Light Control Harness (Not Shown - See ELECTRICAL SECTION for Breakdown)	
9	1001159027	1	Strobe Light Harness (Not Shown - See ELECTRICAL SECTION for Breakdown)	
11	1001200910	1	Light, Strobe	
11	7028909	1	Connector - 2 Position	
11	4460943	2	Pin, Male	
12	1001207227	1	Mount	
13	4240032	3	Tie-Strap (Not Shown)	
14	4460488	3	Base, Mounting	

FIGURE 2-21. STROBE LIGHT INSTALLATION (BLUE) (OPTIONAL) (SN 0300257079 through 0300272222)

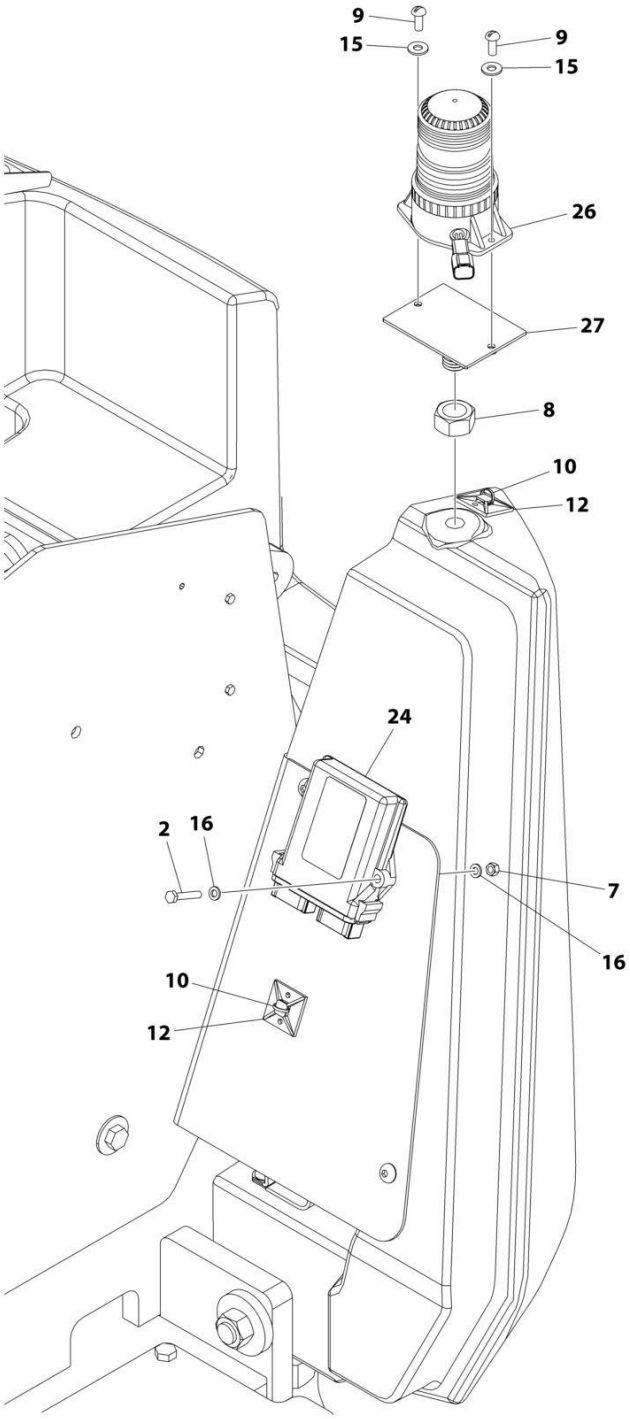


FIGURE 2-21. STROBE LIGHT INSTALLATION (BLUE) (OPTIONAL) (SN 0300257079 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242849	Ref	BEACON LIGHT INSTALLATION - BLUE	D
2	0700615	2	Bolt M6 x 35	
7	3290607	2	Nut M6	
9	4031509	2	Bolt M4 x 25	
10	4240032	2	Tie-Strap	
12	4460488	2	Base, Mounting	
15	4811400	4	Washer M4	
16	4811700	4	Washer M6	
24	1001142683	1	Module, Beacon Control	
26	1001272681	1	Light, Strobe	
26	7028909	1	Connector - 2 Position	
26	4460943	2	Pin, Male	
28	1001142736	1	Strobe Light Control Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
29	3290405	1	Nut M4	
30	1001285733	1	Alert Beacon Jumper Harness	
31	2540020	1	Grommet	

FIGURE 2-22. STROBE LIGHT INSTALLATION (RED) (OPTIONAL) (SN 0300200802 through 0300218349)

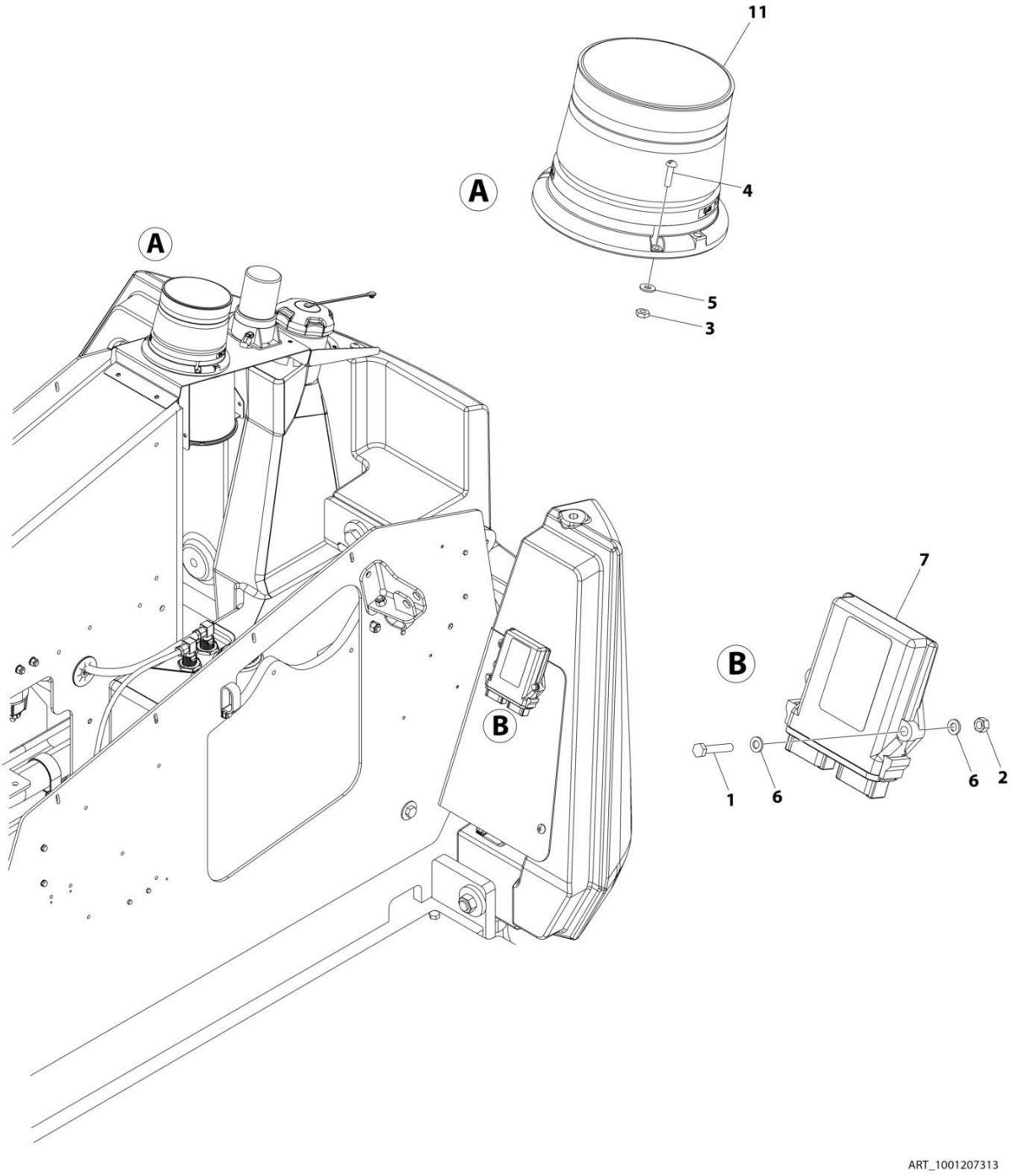


FIGURE 2-22. STROBE LIGHT INSTALLATION (RED) (OPTIONAL) (SN 0300200802 through 0300218349)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207313	Ref	STROBE LIGHT INSTALLATION (RED) (OPTIONAL) **(SN 0300200802 through 0300218349)**	B
1	0700615	2	Bolt M6 x 35	
2	3290607	2	Nut M6	
3	3311005	3	Nut #10	
4	3911012	3	Screw #10 x 3/4	
5	4711000	3	Washer #10	
6	4811700	4	Washer M6	
7	1001142683	1	Module, Beacon Control	
8	1001142736	1	Strobe Light Control Harness (Not Shown - See ELECTRICAL SECTION for Breakdown)	
9	1001159027	1	Strobe Light Harness (Not Shown - See ELECTRICAL SECTION for Breakdown)	
11	1001197067	NLA	Light, Strobe (Use p/n 1001210696 and p/n 1001207004)	
11	7028909	1	Connector - 2 Position	
11	4460943	2	Pin, Male	

FIGURE 2-23. STROBE LIGHT INSTALLATION (RED) (OPTIONAL) (SN 0300218350 through 0300257078)

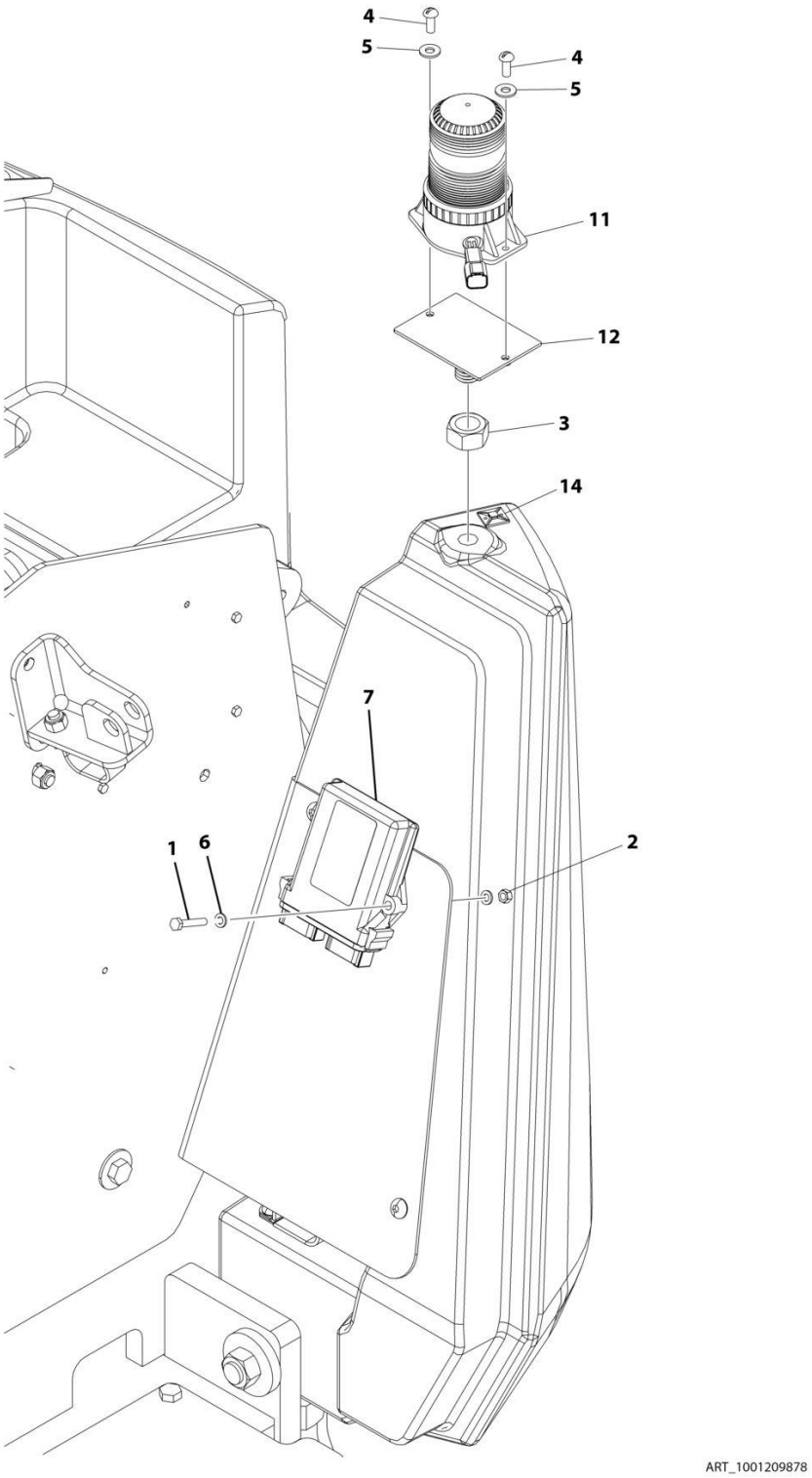


FIGURE 2-23. STROBE LIGHT INSTALLATION (RED) (OPTIONAL) (SN 0300218350 through 0300257078)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209878	Ref	STROBE LIGHT INSTALLATION (RED) (OPTIONAL)	F
1	0700615	2	Bolt M6 x 35	
2	3290607	2	Nut M6	
3	3292001	1	Nut M20	
4	3900085	2	Screw #10 x 1/2	
5	4751000	2	Washer #10	
6	4811700	4	Washer M6	
7	1001142683	1	Module, Beacon Control	
8	1001142736	1	Strobe Light Control Harness (Not Shown - See ELECTRICAL SECTION for Breakdown)	
9	1001159027	1	Strobe Light Harness (Not Shown - See ELECTRICAL SECTION for Breakdown)	
11	1001207004	1	Light, Strobe	
11	7028909	1	Connector - 2 Position	
11	4460943	2	Pin, Male	
12	1001207227	1	Mount	
13	4240032	3	Tie-Strap (Not Shown)	
14	4460488	3	Base, Mounting	

FIGURE 2-24. STROBE LIGHT INSTALLATION (RED) (OPTIONAL) (SN 0300257079 through 0300272222)

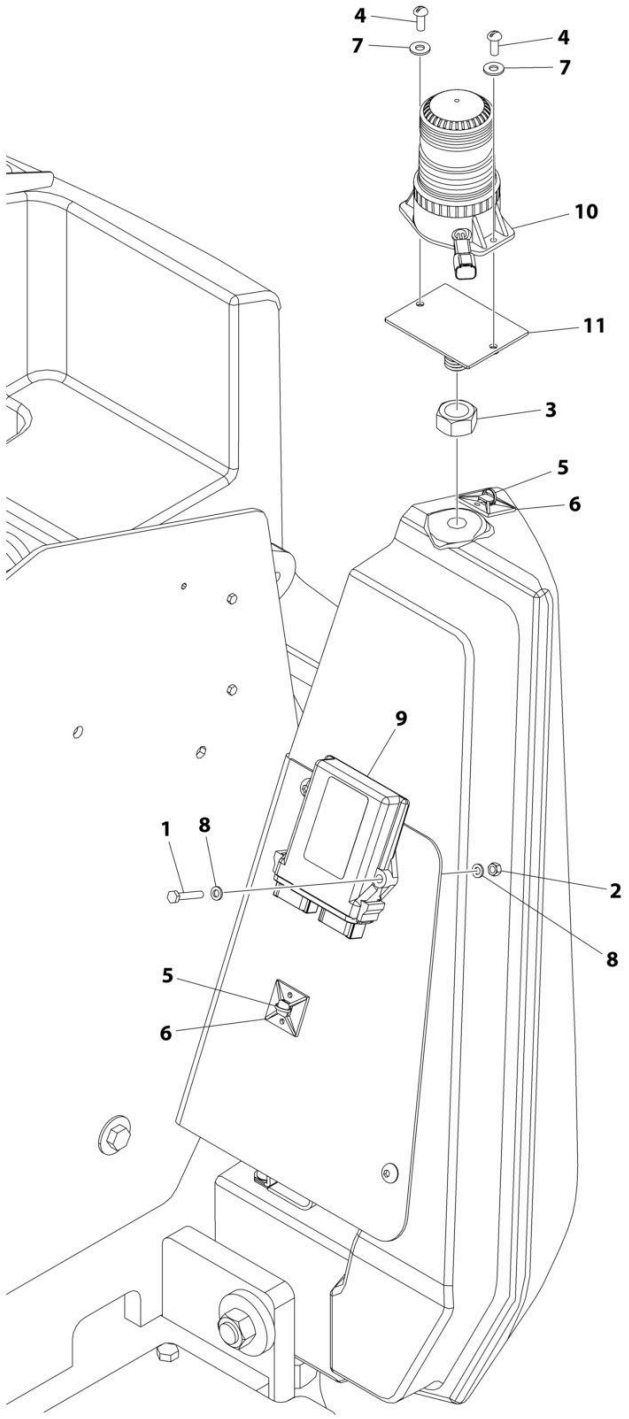


FIGURE 2-24. STROBE LIGHT INSTALLATION (RED) (OPTIONAL) (SN 0300257079 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242850	Ref	BEACON LIGHT INSTALLATION - RED	B
1	0700615	2	Bolt M6 x 35	
2	3290607	2	Nut M6	
13	3290405	2	Nut M4	
4	4031509	1	Screw #10 x 1/2	
5	4240032	2	Tie-Strap	
6	4460488	2	Base, Mounting	
7	4811400	2	Washer #10	
8	4811700	4	Washer M6	
9	1001142683	1	Module, Beacon Control	
10	1001272682	1	Light, Strobe	
10	7028909	1	Connector - 2 Position	
10	4460943	2	Pin, Male	
12	1001142736	1	Strobe Light Control Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
14	1001285733	1	Beacon Jumper Harness	
15	2540020	1	Grommet	

FIGURE 2-25. TURNTABLE FLOODLIGHT INSTALLATION (OPTIONAL)

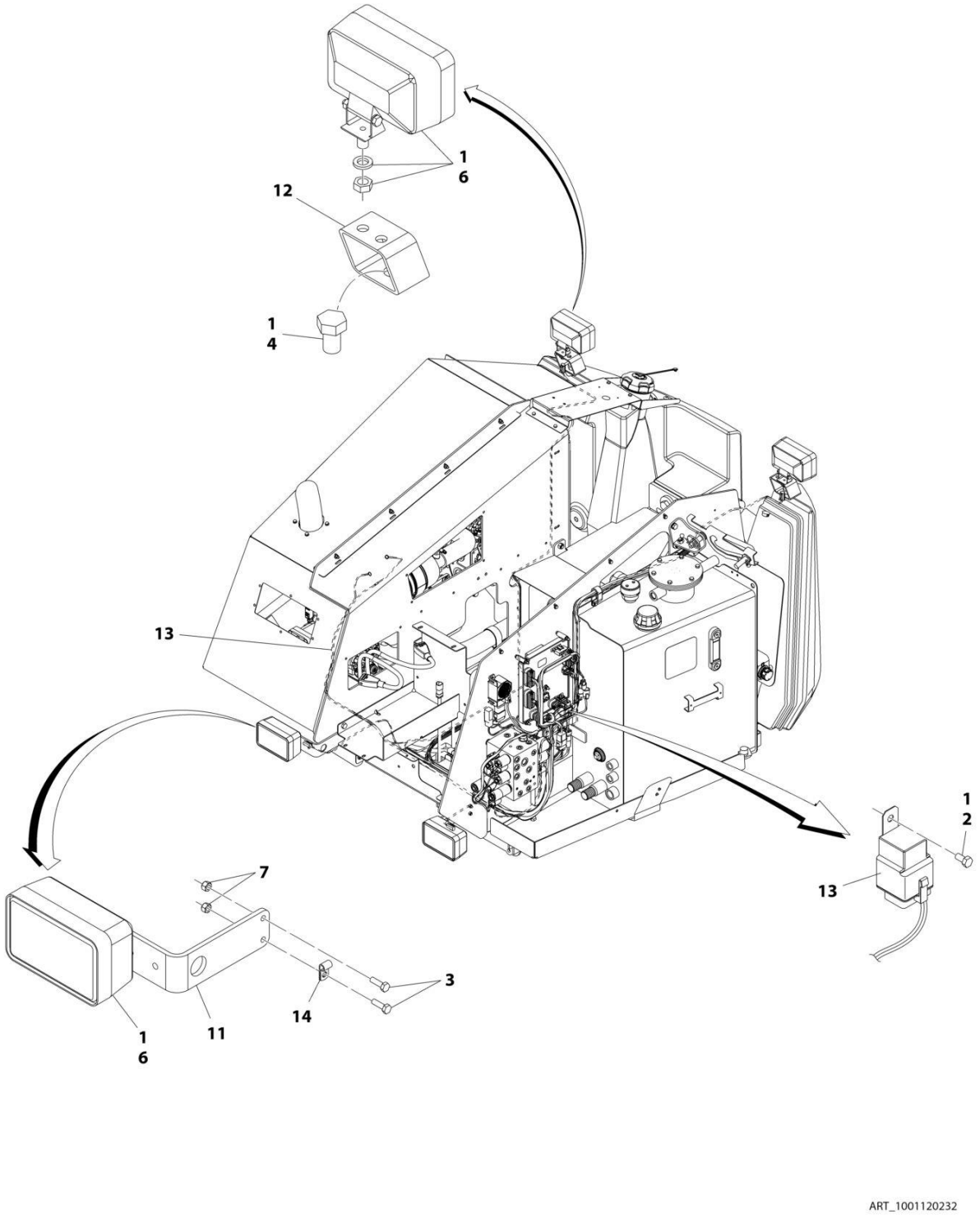


FIGURE 2-25. TURNTABLE FLOODLIGHT INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120232	Ref	TURNTABLE FLOODLIGHT INSTALLATION (OPTIONAL)	B
1	0100011	AR	Compound, Locking	
2	0760505	1	Bolt M5 x 10	
3	0760610	4	Bolt M6 x 20	
4	0762014	2	Bolt M20 x 30	
5	1705170	1	Decal - Light (Not Shown - Located on Platform Console Box)	
6	2920157	4	Floodlight	
6	7024452	4	Bulb, Replacement (1 Per Assembly)	
7	3290605	4	Nut M6	
8	4240032	2	Tie-Strap (Not Shown)	
9	4240033	4	Tie-Strap (Not Shown)	
10	4360522	1	Switch, Push Button (Not Shown - Located on Platform Console Box)	
11	1001120287	2	Mount, Light	
12	1001120288	2	Mount, Light	
13	1001120299	1	Chassis Light Harness (See ELECTRICAL SECTION for Breakdown)	
13	3740080	1	Relay	
14	1320136	2	Clamp, Cable	

FIGURE 2-26. HEAD AND TAIL LIGHT INSTALLATION (OPTIONAL)

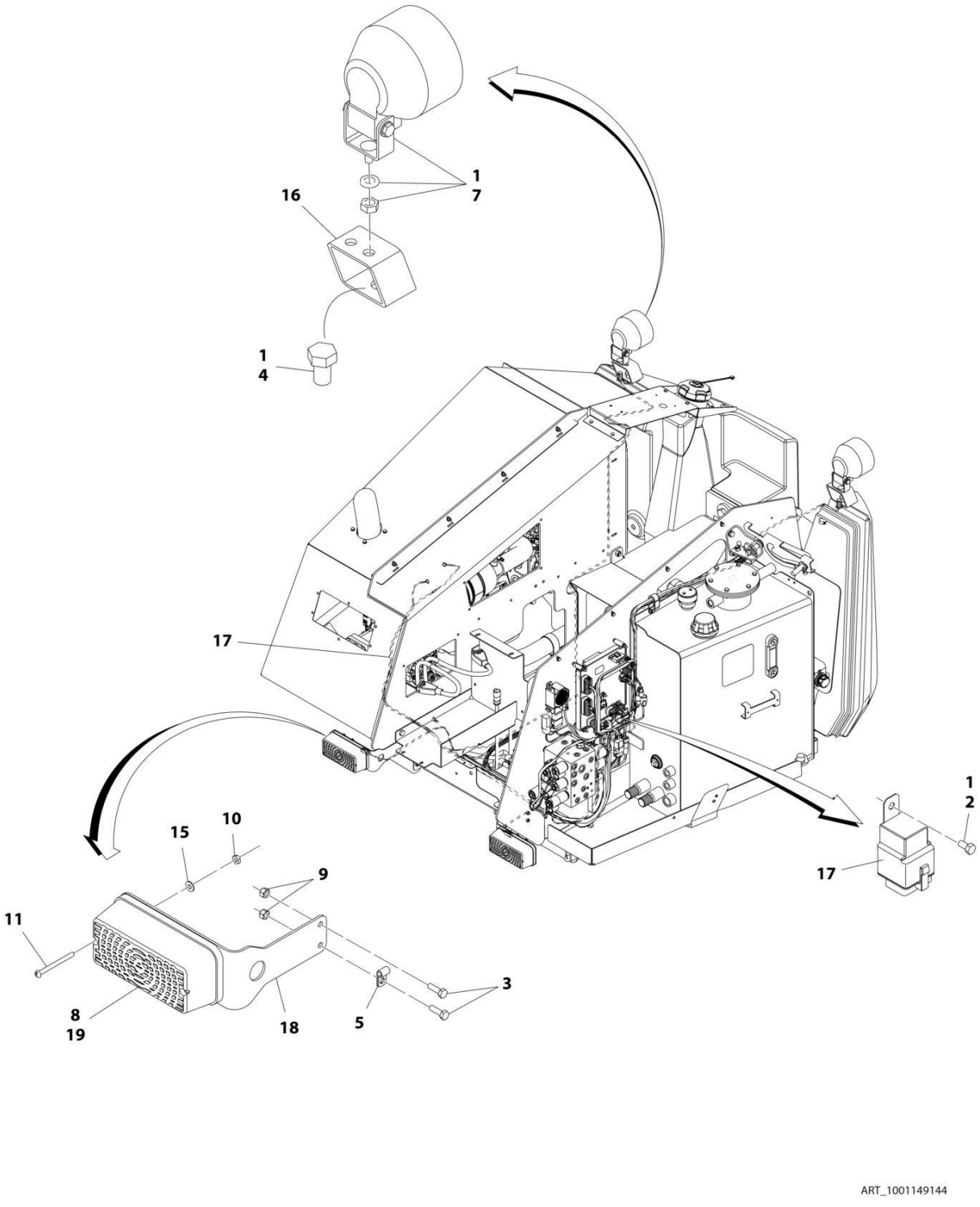


FIGURE 2-26. HEAD AND TAIL LIGHT INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001149144	Ref	HEAD AND TAIL LIGHT INSTALLATION (OPTIONAL)	A
1	0100011	AR	Compound, Locking	
2	0760505	1	Bolt M5 x 10	
3	0760610	4	Bolt M6 x 20	
4	0762014	2	Bolt M20 x 30	
5	1320136	2	Clamp, Cable	
6	1705170	1	Decal - Light (Not Shown - Located on Platform Console Box)	
7	2920110	2	Light, Head	
7	7016628	2	Bulb, Replacement (1 Per Assembly)	
8	2920113	2	Light, Tail	
9	3290605	4	Nut M6	
10	3311005	4	Nut M10-24	
11	3911036	4	M10-24 x 2-1/4	
12	4240032	2	Tie-Strap (Not Shown)	
13	4240033	4	Tie-Strap (Not Shown)	
14	4360522	1	Switch, Push Button (Not Shown - Located on Platform Console Box)	
15	4751000	4	Washer M10	
16	1001120288	2	Mount, Light	
17	1001120299	1	Chassis Light Harness (See ELECTRICAL SECTION for Breakdown)	
17	3740080	1	Relay	
18	1001149147	2	Mount, Light	
19	4460121	2	Cap, Wire	

FIGURE 2-27. GROUND CONTROL ASSEMBLY (ALL SPECS EXCEPT CE)

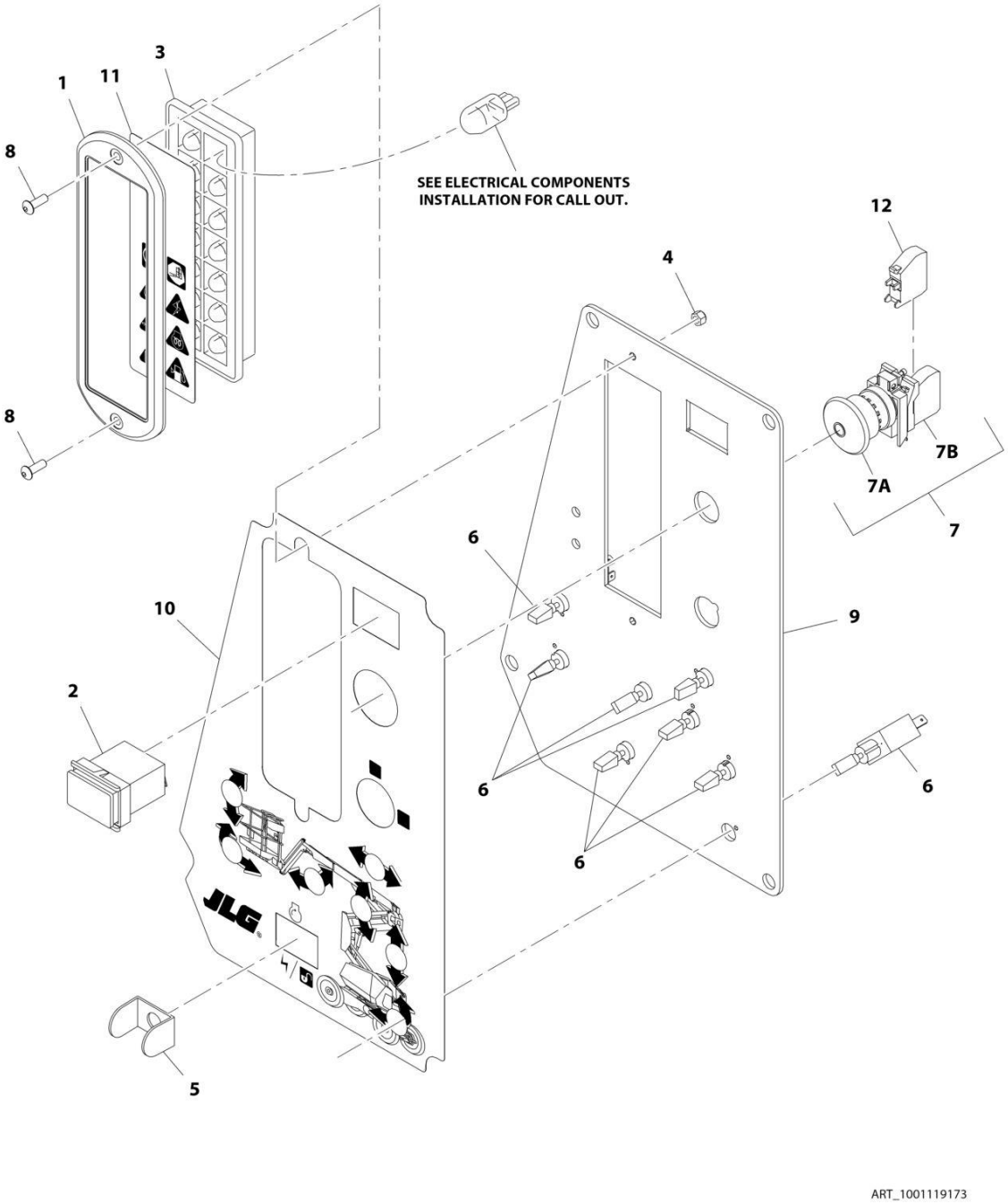


FIGURE 2-27. GROUND CONTROL ASSEMBLY (ALL SPECS EXCEPT CE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119173	Ref	GROUND CONTROL ASSEMBLY (ALL SPECS EXCEPT CE)	C
1	1670829	1	Bezel	
2	2420172	1	Gauge	
3	2760105	1	Housing, Display Light	
4	3290505	2	Nut M5	
5	4060906	1	Guard, Switch	
6	4360328	8	Switch, Toggle	
7	4360475	1	Switch, Emergency Stop	
7A	7020175	1	Cap, Mushroom Head	
7B	7020176	1	Block, Contact	
8	1001099125	2	Screw M5 x 16 Grade 10.9	
9	1001119172	1	Panel	
10	1001119230	1	Decal - Ground Control	
11	1001119232	1	Decal - Display Panel	
12	4360476	1	Switch, Contact	

FIGURE 2-28. GROUND CONTROL ASSEMBLY (CE SPEC)

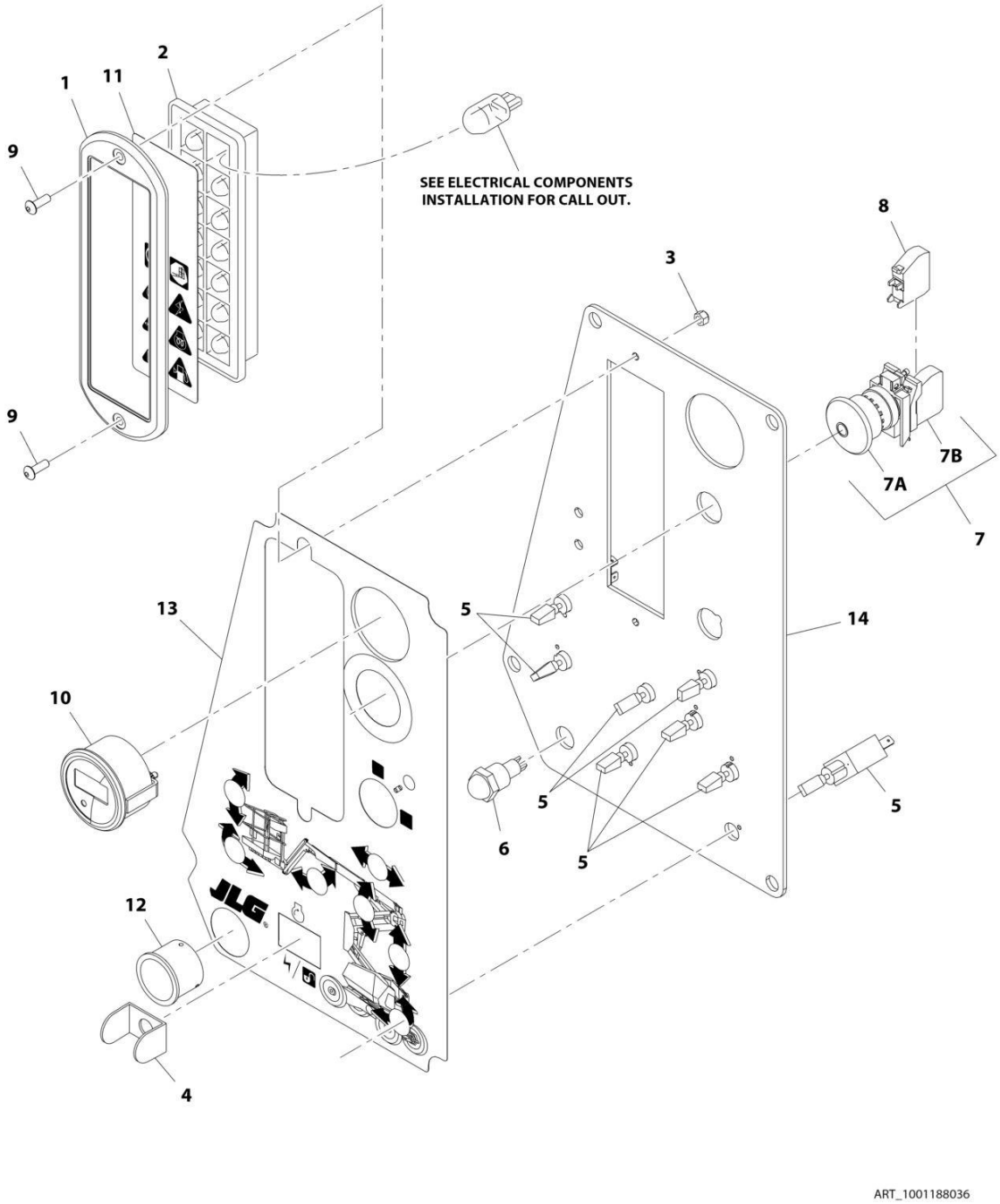


FIGURE 2-28. GROUND CONTROL ASSEMBLY (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188036	Ref	GROUND CONTROL ASSEMBLY (CE SPEC)	A
1	1670829	1	Bezel	
2	2760105	1	Housing, Display Light	
3	3290505	2	Nut M5	
4	4060906	1	Guard, Switch	
5	4360328	8	Switch, Toggle	
6	4360387	1	Switch, Push Button	
7	4360475	1	Switch, Emergency Stop	
7A	7020175	1	Cap, Mushroom Head	
7B	7020176	1	Block, Contact	
8	4360476	1	Switch, Contact	
9	1001099125	2	Screw M5 x 16 Grade 10.9	
10	1001109503	1	Gauge	
11	1001119232	1	Decal - Display Panel	
12	1001176469	1	Shroud, Switch	
13	1001182689	1	Decal - Ground Control	
14	1001188057	1	Panel	

FIGURE 2-29. KEY SWITCH INSTALLATION

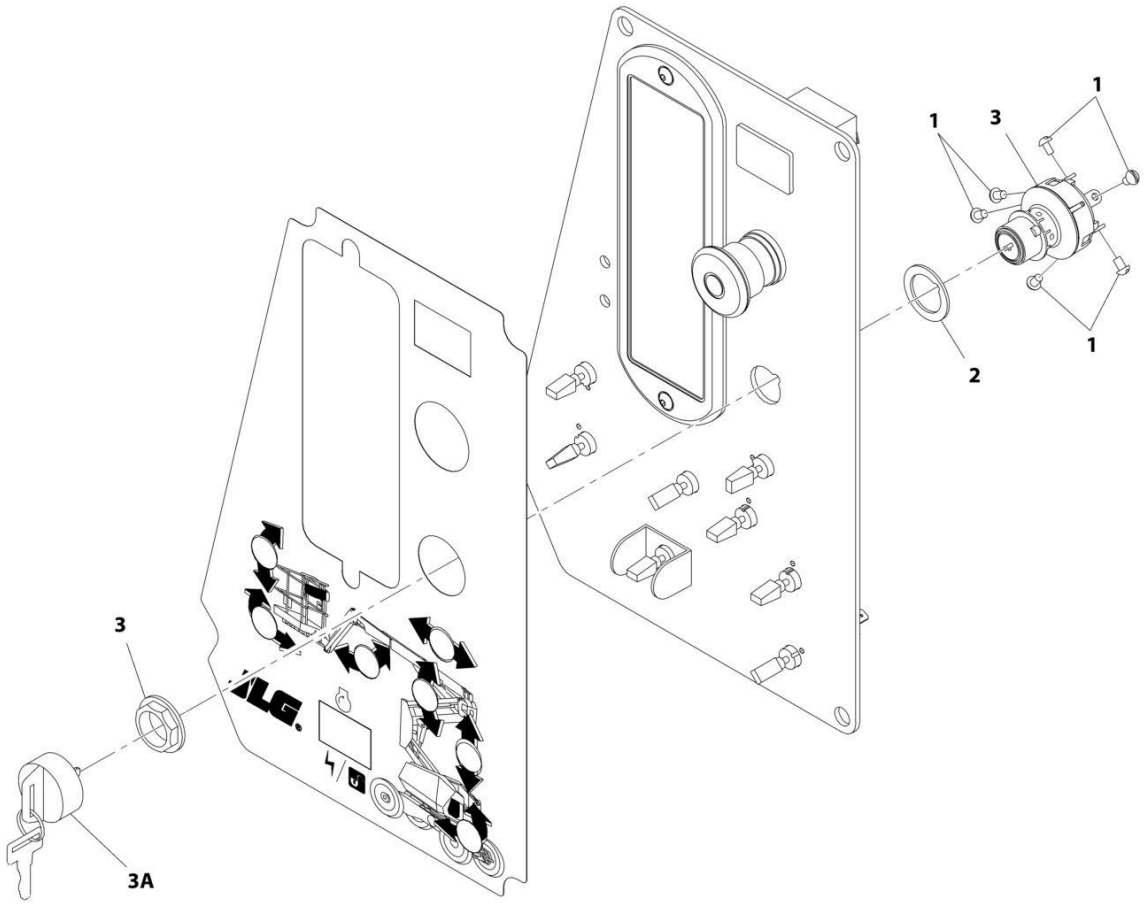
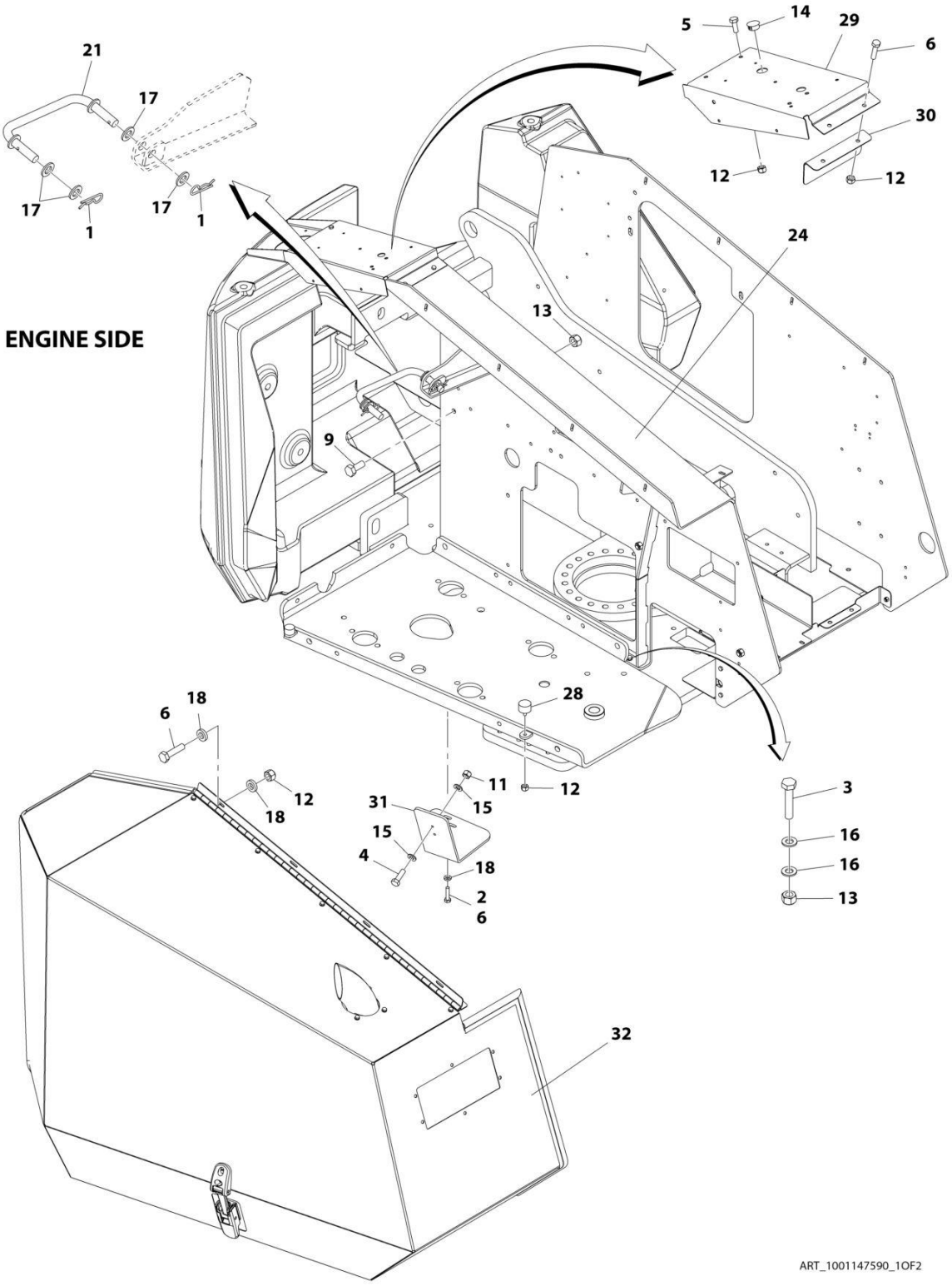


FIGURE 2-29. KEY SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119399	Ref	KEY SWITCH INSTALLATION (ALL SPECS EXCEPT CE SPEC)	C
1	3910804	6	Screw 8-32 x 1/4	
2	1001151393	1	Shim	
3	4360469	1	Switch, Key	
3A	2860030	1	Key, Replacement	

FIGURE 2-30. HOODS INSTALLATION



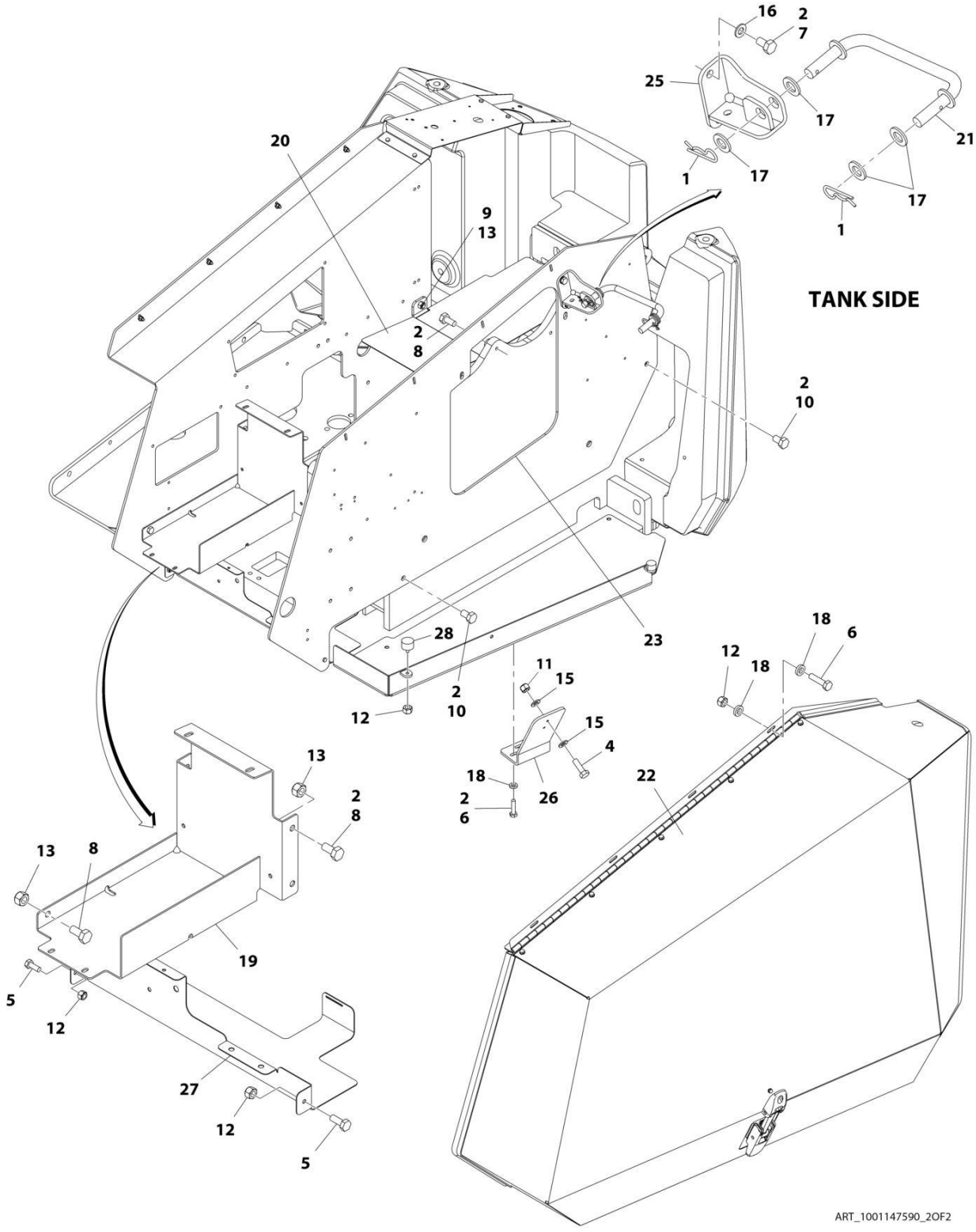
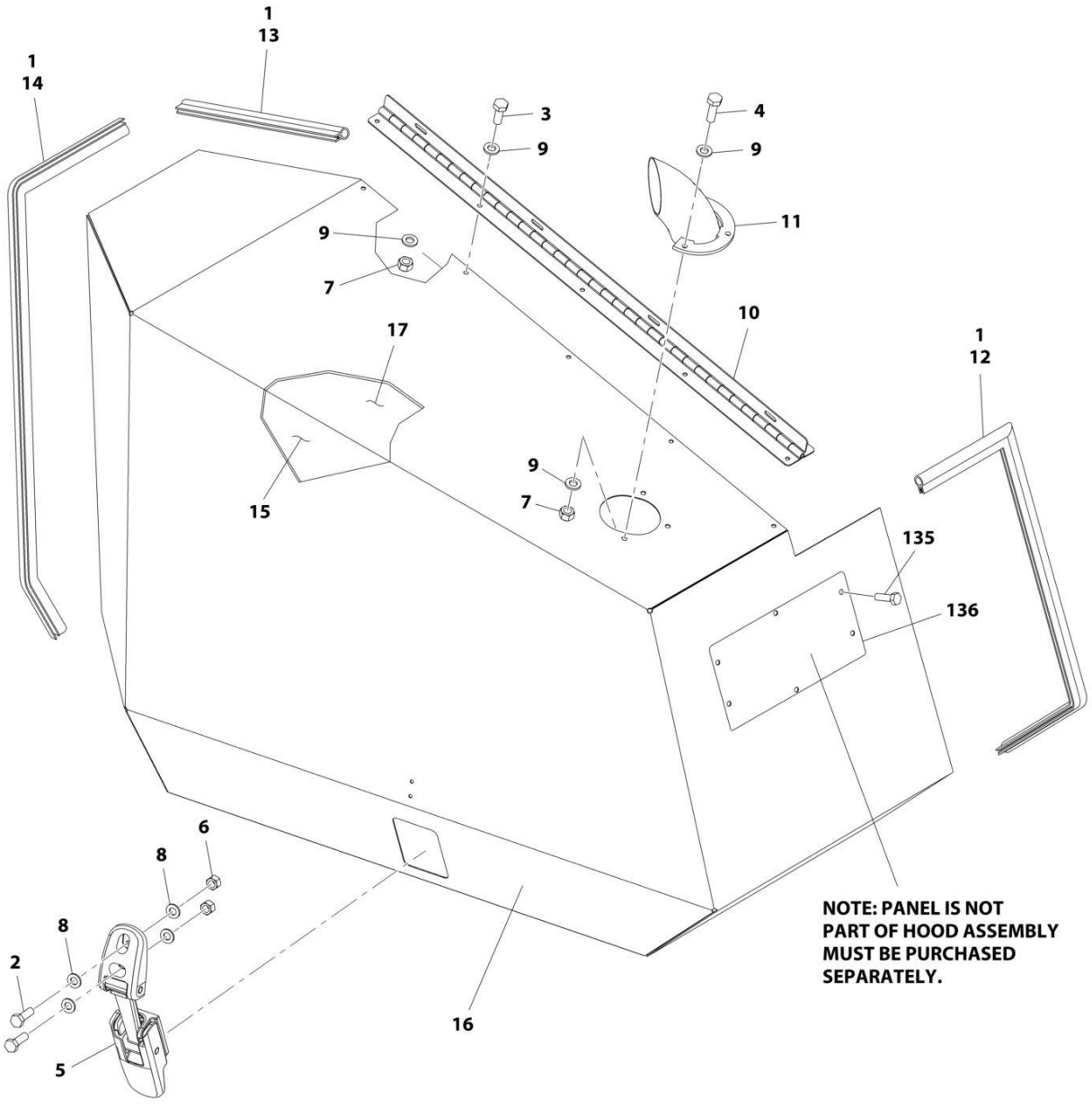

TANK SIDE
ART_1001147590_2OF2

FIGURE 2-30. HOODS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001147590	Ref	HOODS INSTALLATION	B
1	80325	4	Hairpin, Cotter	
2	0100011	AR	Compound, Locking	
3	0701018	2	Bolt M10 x 50	
4	0760508	4	Bolt M5 x 16	
5	0760608	5	Bolt M6 x 16	
6	0760612	16	Bolt M6 x 25	
7	0761009	2	Bolt M10 x 18	
8	0761011	6	Bolt M10 x 22	
9	0761012	1	Bolt M10 x 25	
10	0761210	2	Bolt M12 x 20	
11	3290505	4	Nut M5	
12	3290605	19	Nut M6	
13	3291005	6	Nut M10	
14	3520030	1	Plug	
15	4811600	8	Washer M5	
16	4812000	6	Washer M10	
17	4812300	8	Washer M16	
18	5240600	22	Washer M6	
19	1001117239	1	Box, Battery	
20	1001117243	1	Cover, Turntable Center	
21	1001117282	2	Rod, Prop	
22	1001118361	1	Tank Side Hood Assembly (See TANK SIDE HOOD ASSEMBLY for Breakdown)	
23	1001118459	1	Plate, Hood Mount	
24	1001119072	1	Plate, Engine Side	
25	1001119080	1	Bracket	
26	1001119083	1	Mount, Latch	
27	1001119085	1	Tray	
28	1001119092	4	Bumper	
29	1001119103	1	Panel, Filler	
30	1001119104	1	Panel, Filler	
31	1001146824	1	Mount, Latch	
32	1001147441	1	Engine Side Hood Assembly (See ENGINE SIDE HOOD ASSEMBLY for Breakdown)	

FIGURE 2-31. ENGINE SIDE HOOD ASSEMBLY



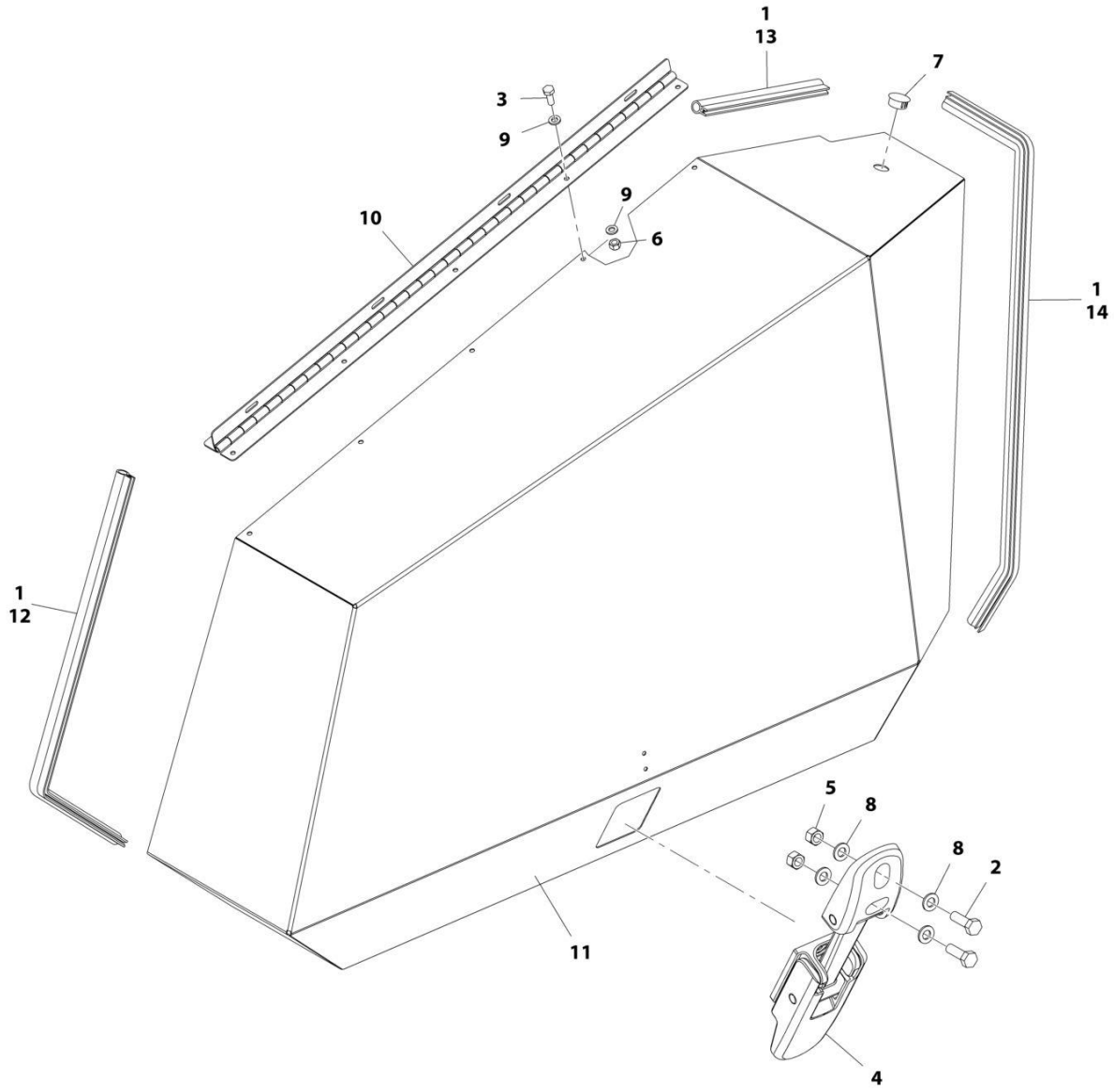
NOTE: REPLACEMENT DECALS MUST BE ORDERED SEPERATELY - SEE DECALS SECTION FOR BREAKDOWN

ART_1001147441

FIGURE 2-31. ENGINE SIDE HOOD ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001147441	Ref	ENGINE SIDE HOOD ASSEMBLY	A
1	0100081	AR	Adhesive	
2	0760508	2	Bolt M5 x 16	
3	0760608	5	Bolt M6 x 16	
4	0760610	3	Bolt M6 x 20	
5	2940109	1	Latch	
6	3290505	2	Nut M5	
7	3290605	8	Nut M6	
8	4811600	4	Washer M5	
9	4811700	16	Washer M6	
10	1001117281	1	Hinge	
11	1001119077	1	Pipe, Exhaust	
12	1001119086	1	Seal	
13	1001119087	1	Seal	
14	1001119088	1	Seal	
15	1001120749	1	Insulate, Heat Shield	
16	See Note	1	Hood, Replacement (Note: Use p/n 1001147441)	
17	1001147440	1	Insulate, Heat Shield	
135	2080040	10	Fastener, Huck	
136	1001137451	1	Panel (Note: Not Part of Hood Assembly. Must be Purchased separately)	

FIGURE 2-32. TANK SIDE HOOD ASSEMBLY



NOTE: REPLACEMENT DECALS MUST BE ORDERED SEPERATELY - SEE DECALS SECTION FOR BREAKDOWN

ART_1001118361

FIGURE 2-32. TANK SIDE HOOD ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118361	Ref	TANK SIDE HOOD ASSEMBLY	B
1	0100081	AR	Adhesive	
2	0760508	2	Bolt M5 x 16	
3	0760608	5	Bolt M6 x 16	
4	2940109	1	Latch	
5	3290505	2	Nut M5	
6	3290605	5	Nut M6	
7	3520030	1	Plug, Hole	
8	4811600	4	Washer M5	
9	4811700	10	Washer M6	
10	1001117281	1	Hinge	
11	See Note	1	Hood, Replacement (Note: Use p/n 1001118361)	
12	1001119089	1	Seal	
13	1001119090	1	Seal	
14	1001119091	1	Seal	

FIGURE 2-33. KUBOTA ENGINE HOOD COMPONENTS (WITHOUT ARCTIC PACKAGE)

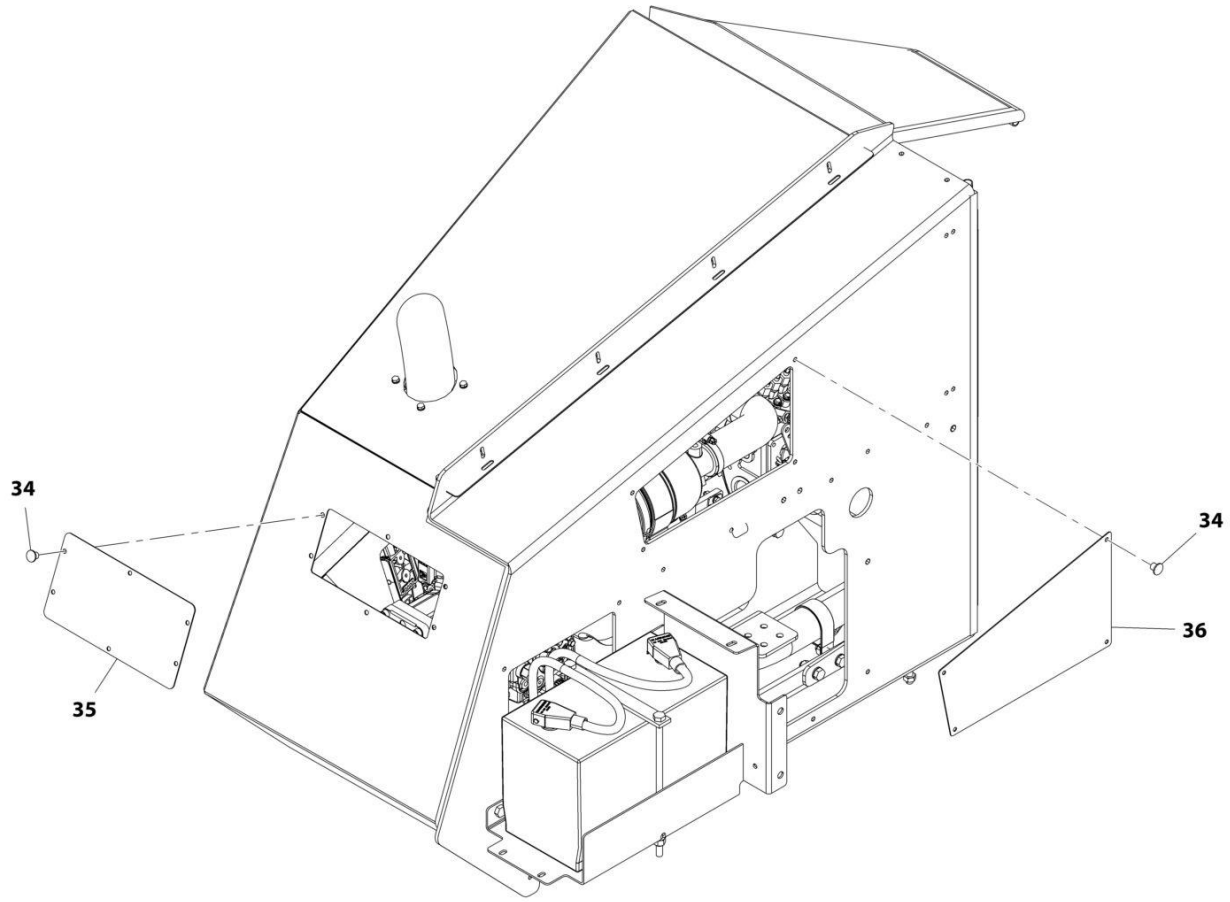


FIGURE 2-33. KUBOTA ENGINE HOOD COMPONENTS (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161433	Ref	KUBOTA ENGINE HOOD COMPONENTS (WITHOUT ARCTIC PACKAGE)	F
34	2080040	10	Blind Fastener	
35	1001137451	1	Panel, Engine Hood	
36	1001137452	1	Panel, Engine Hood Mount	

FIGURE 2-34. KUBOTA ENGINE WITH 4000W GENERATOR HOOD COMPONENTS (WITHOUT ARCTIC PACKAGE)

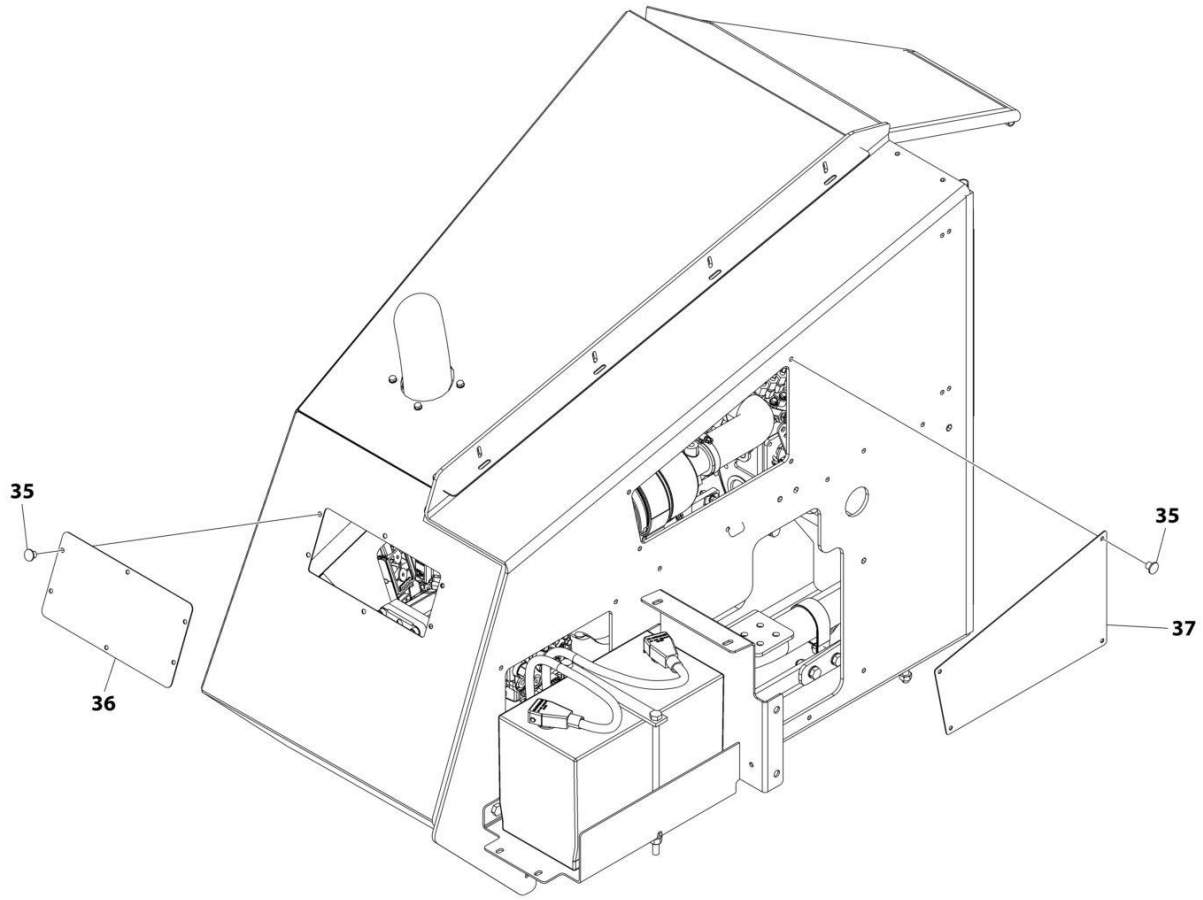


FIGURE 2-34. KUBOTA ENGINE WITH 4000W GENERATOR HOOD COMPONENTS (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001147470	Ref	KUBOTA ENGINE WITH 4000W GENERATOR HOOD COMPONENTS (WITHOUT ARCTIC PACKAGE)	E
35	2080040	10	Blind Fastener	
36	1001137451	1	Panel, Engine Hood	
37	1001137452	1	Panel, Engine Hood Mount	

FIGURE 2-35. KUBOTA ENGINE HOOD COMPONENTS (WITH ARCTIC PACKAGE)

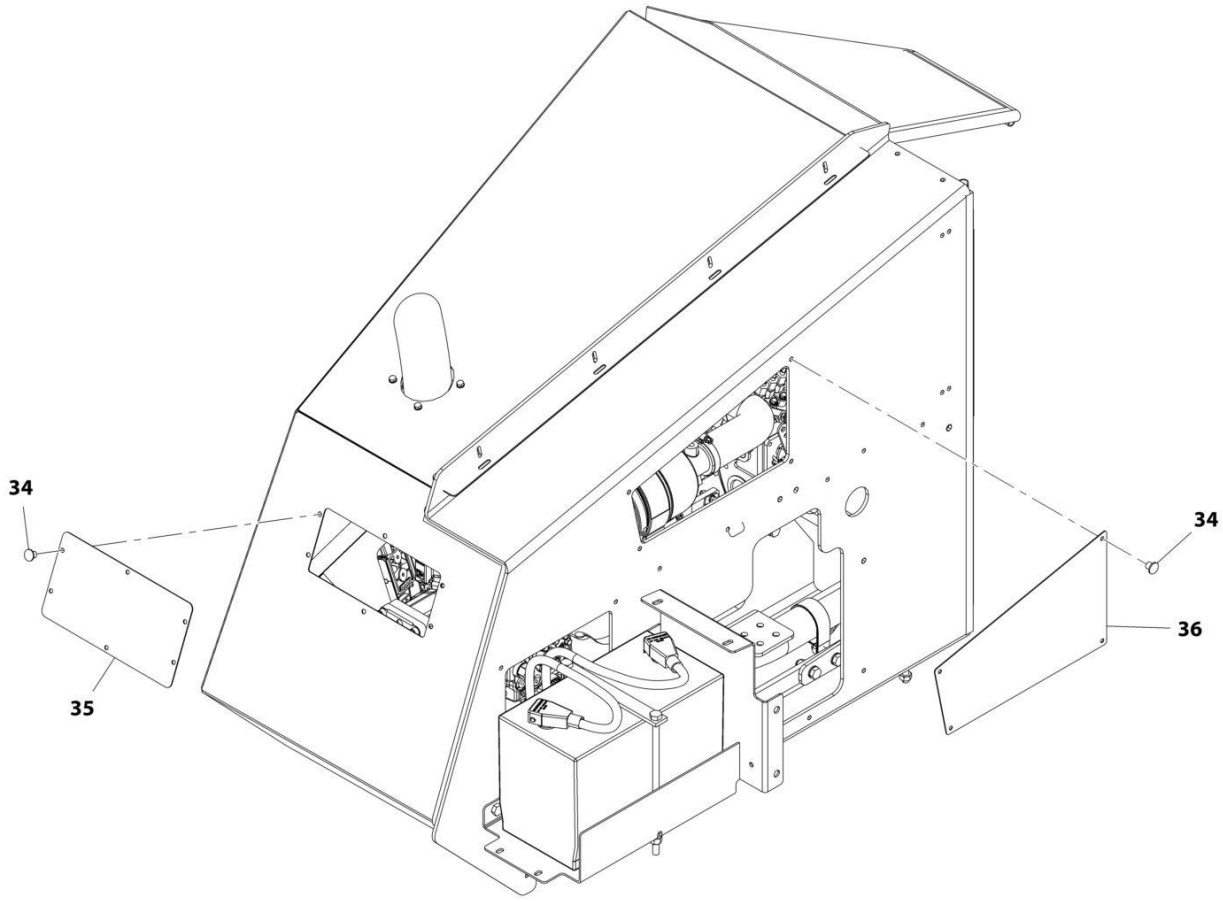


FIGURE 2-35. KUBOTA ENGINE HOOD COMPONENTS (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161434	Ref	KUBOTA ENGINE HOOD COMPONENTS (WITH ARCTIC PACKAGE)	F
34	2080040	10	Blind Fastener	
35	1001137451	1	Panel, Engine Hood	
36	1001137452	1	Panel, Engine Hood Mount	

FIGURE 2-36. KUBOTA ENGINE WITH 4000W GENERATOR HOOD COMPONENTS (WITH ARCTIC PACKAGE)

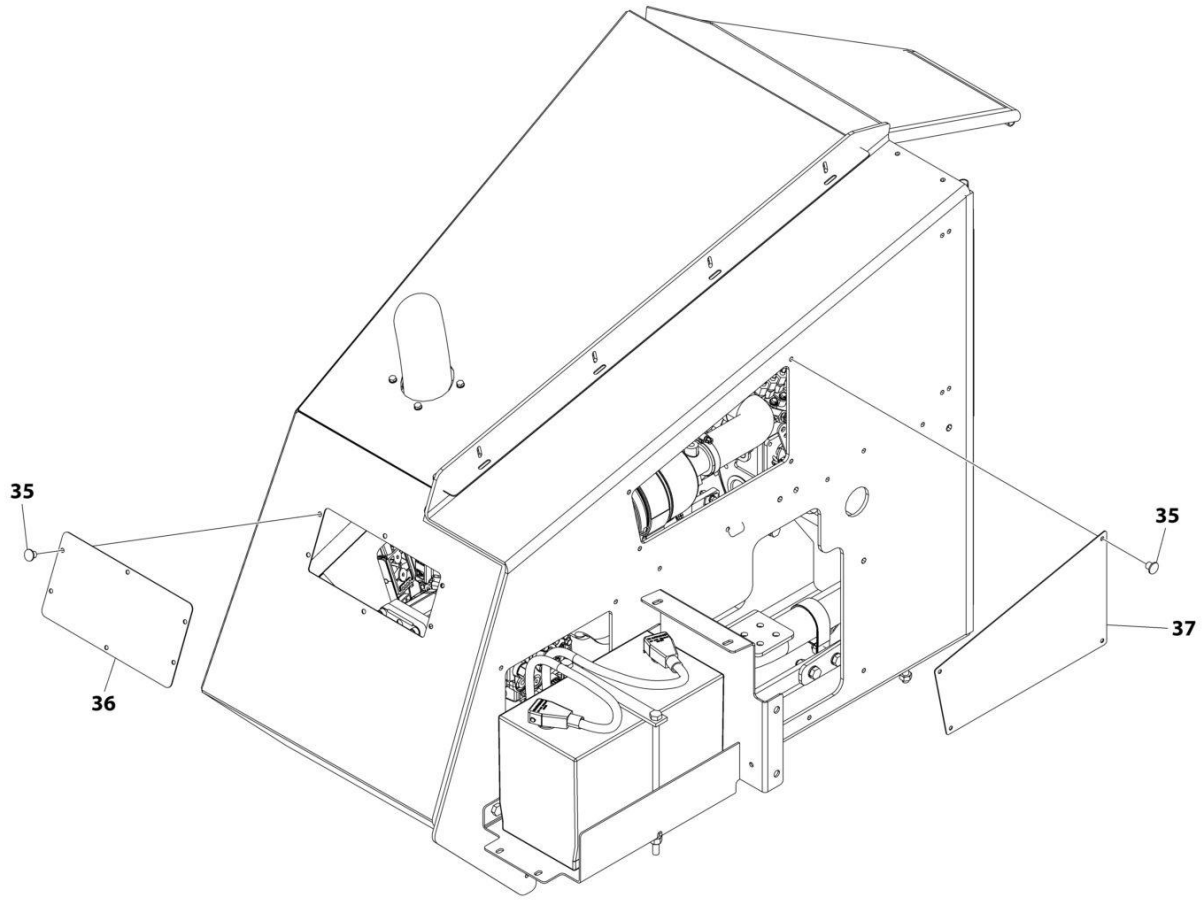


FIGURE 2-36. KUBOTA ENGINE WITH 4000W GENERATOR HOOD COMPONENTS (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001147471	Ref	KUBOTA ENGINE WITH 4000W GENERATOR HOOD COMPONENTS (WITH ARCTIC PACKAGE)	E
35	2080040	10	Blind Fastener	
36	1001137451	1	Panel, Engine Hood	
37	1001137452	1	Panel, Engine Hood Mount	

FIGURE 2-37. GM ENGINE HOOD COMPONENTS (WITHOUT ARCTIC PACKAGE)

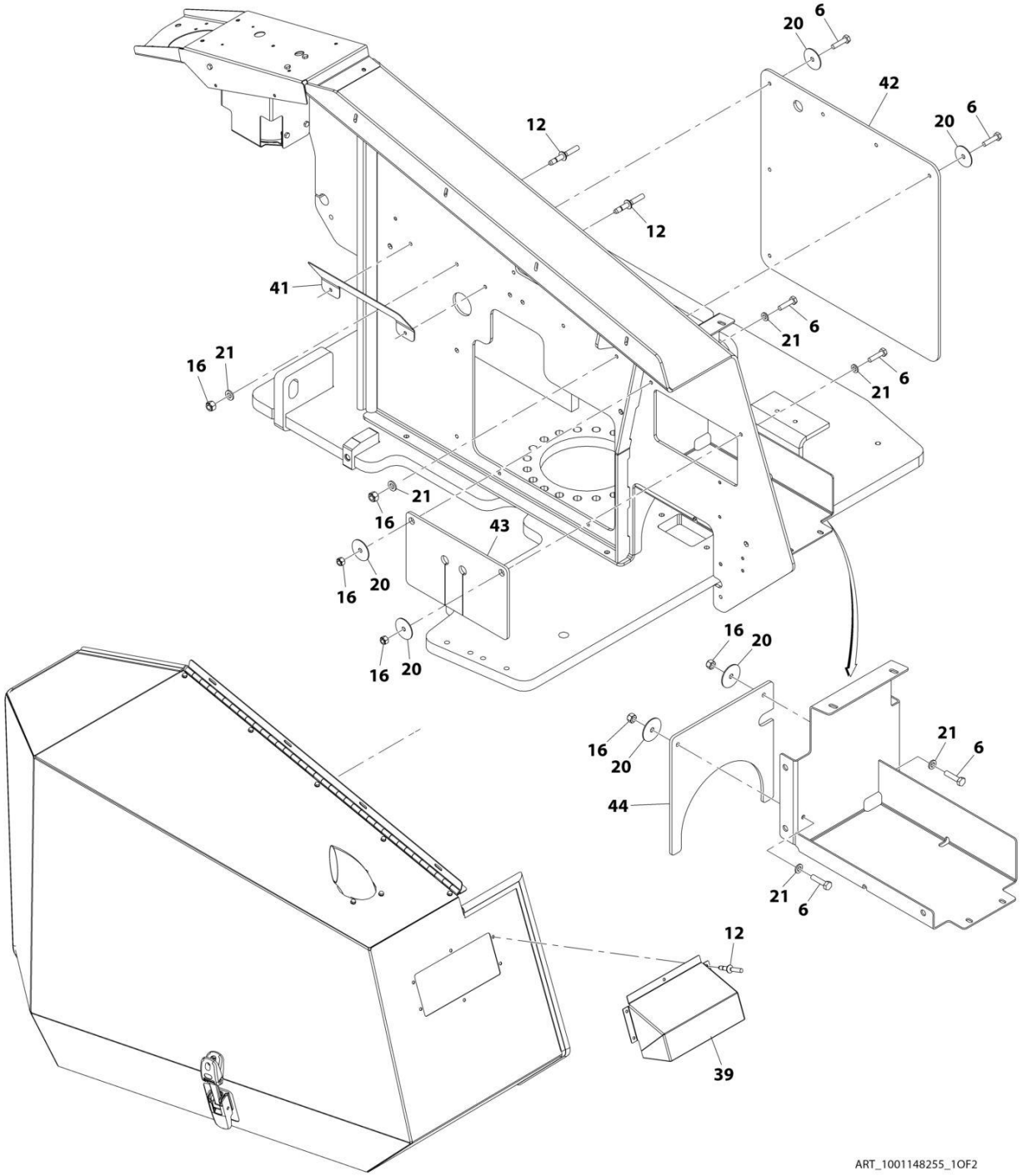


FIGURE 2-37. GM ENGINE HOOD COMPONENTS (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148255	Ref	GM ENGINE HOOD COMPONENTS (WITHOUT ARCTIC PACKAGE)	H
6	0760612	10	Bolt M6 x 25	
12	2080040	7	Fastener, Huck	
16	3290605	10	Nut M6	
20	4740362	10	Washer, Fender	
21	4811700	10	Washer M6	
39	1001137337	1	Vent	
41	1001137369	1	Plate	
42	1001137397	1	Shield, Rubber	
43	1001137401	1	Shield, Rubber	
44	1001137402	1	Shield, Rubber	

FIGURE 2-38. GM ENGINE HOOD COMPONENTS (WITH ARCTIC PACKAGE)

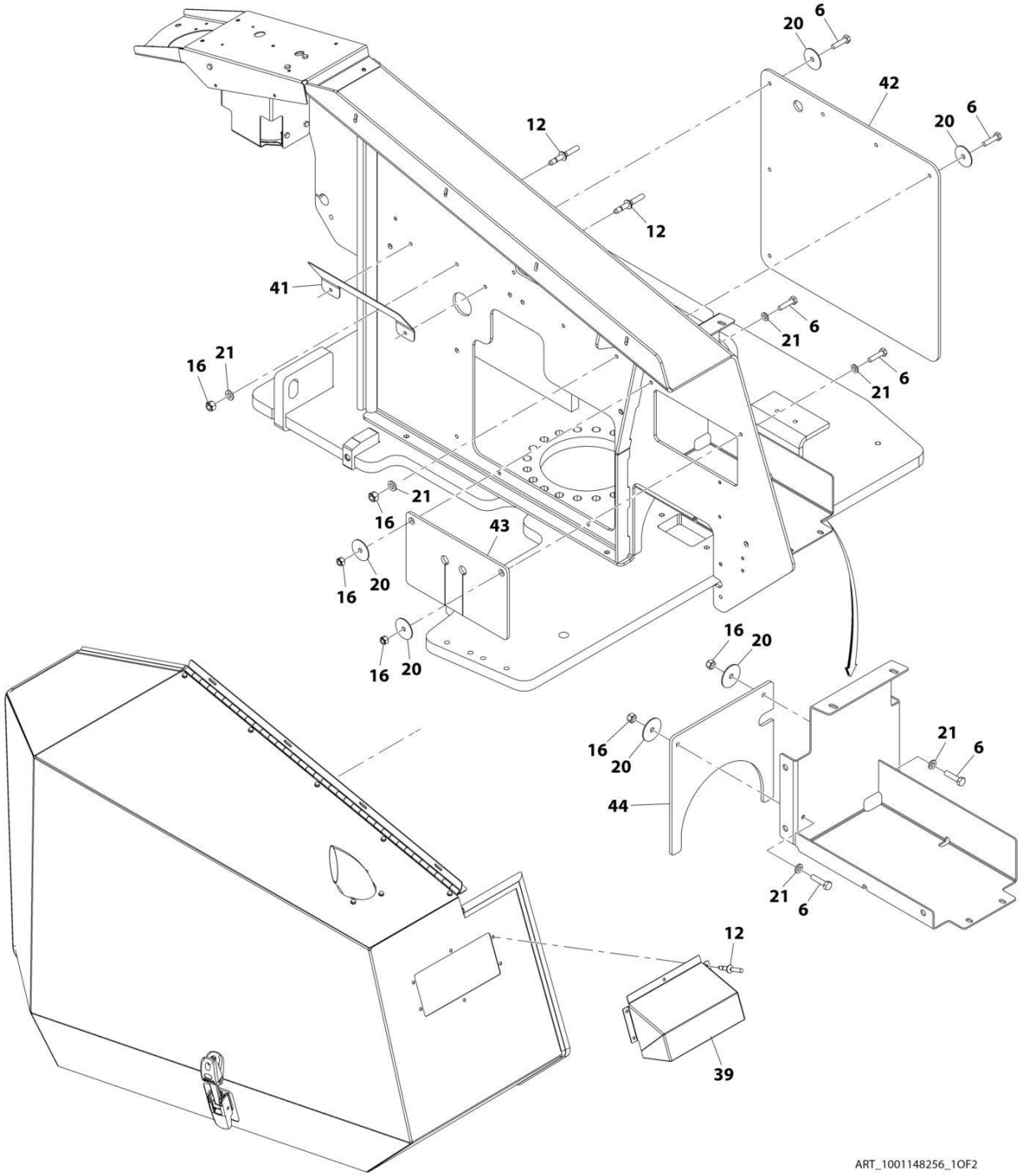


FIGURE 2-38. GM ENGINE HOOD COMPONENTS (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148256	Ref	GM ENGINE HOOD COMPONENTS (WITH ARCTIC PACKAGE)	G
6	0760612	10	Bolt M6 x 25	
12	2080040	7	Fastener, Huck	
16	3290605	10	Nut M6	
20	4740362	10	Washer, Fender	
21	4811700	10	Washer M6	
39	1001137337	1	Vent	
41	1001137369	1	Plate	
42	1001137397	1	Shield, Rubber	
43	1001137401	1	Shield, Rubber	
44	1001137402	1	Shield, Rubber	

SECTION 3 - ENGINE

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

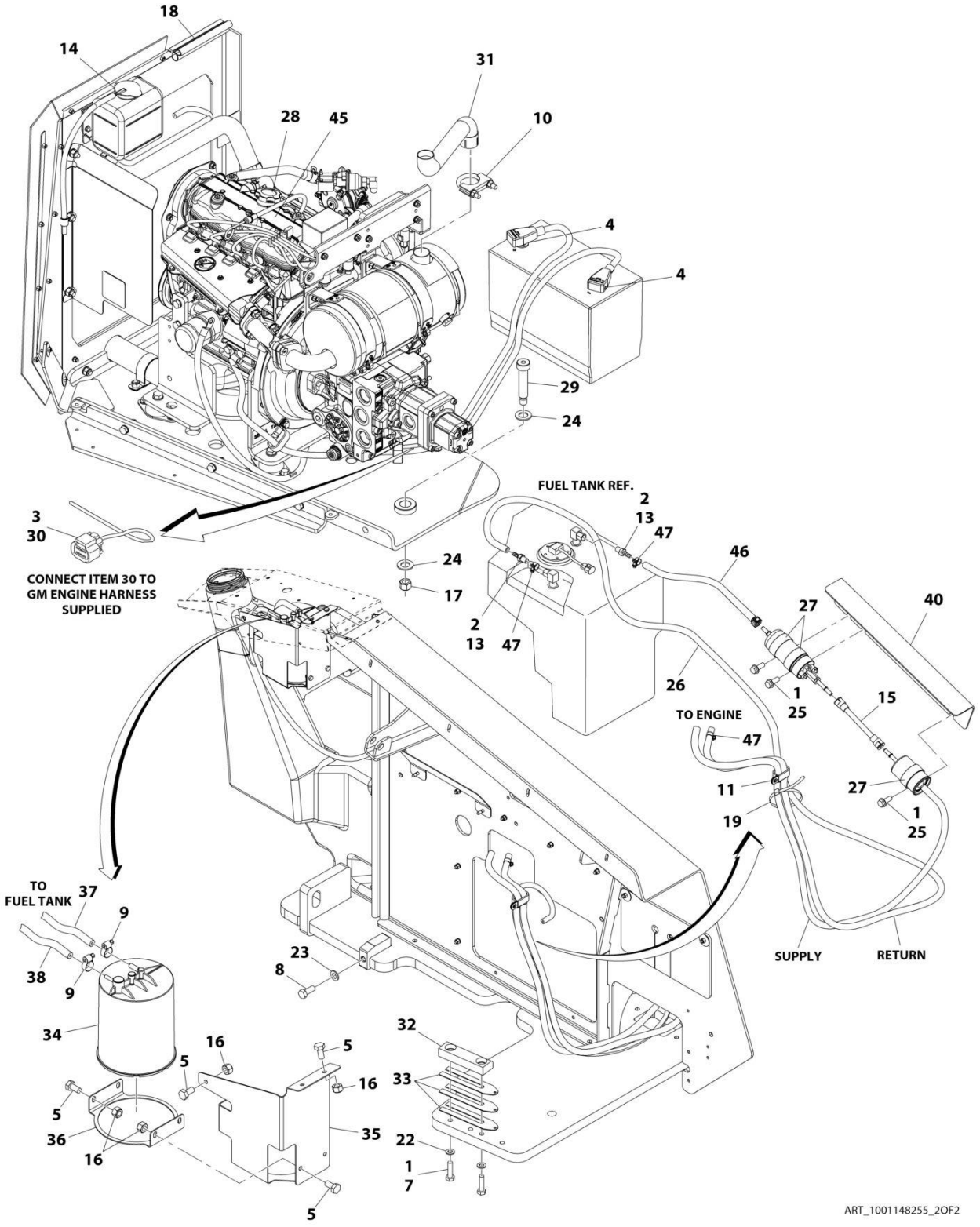


FIGURE 3-1. GM ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148255	Ref	GM ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)	H
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100048	AR	Grease, Dielectric	
4	0100051	AR	Grease, Battery Terminal	
5	0760606	7	Bolt M6 x 12	
7	0761016	2	Bolt M10 x 40	
8	0761214	1	Bolt M12 x 30	
8	0761217	1	Bolt M12 x 45	
9	1320022	4	Clamp, Fuel Line	
10	1320026	1	Clamp, Muffler	
11	1321283	1	Clamp	
13	2180348	2	Fitting, Barbed	
14	2300004	AR	Coolant	
15	1001156823	1	Hose	
16	3290605	7	Nut M6	
17	3291605	1	Nut M16	
18	3960464	8 ft /2.4m	Seal **(SN 0300200802 through 03002230168)**	
18	3960464	3 ft/0.9m	Seal **(SN 0300223169 through 0300272222, Except SN 0300272191 through 0300272192)**	
19	4240033	AR	Tie-Strap	
22	4812000	2	Washer M10	
23	4812102	1	Washer M12	
24	4812500	2	Washer M20	
25	5251012	3	Bolt M10 x 25	
26	1001156819	76 in /1.9m	Hose, Fuel Line	
27	1001097588	3	Clip, Tube	
28	1001115930	AR	Oil, Engine **(SN 0300200802 through 0300215644)**	
29	1001118646	1	Bolt M20 x 80	
30	1001119778	1	Harness, Fuel Pump (See ELECTRICAL SECTION for Breakdown)	
31	1001119902	1	Pipe, Exhaust	
32	1001120087	1	Pad, Wear	
33	1001120090	3	Shim 1.5	
34	1001128801	1	Canister, Carbon	
35	1001128931	1	Bracket, Mounting	
36	1001128936	1	Ring	
37	1001129255	7 in/17cm	Hose	
38	1001129256	9.5 ft /2.9m	Hose	
40	1001137367	1	Shield, Fuel Line	
45	1001148254	1	GM Engine and Pump Sub-Assembly See GM Engine and Pump Sub-Assembly for Breakdown)	
46	1001177156	1	Hose	
47	1001174486	4	Clamp, Hose	

FIGURE 3-2. GM ENGINE INSTALLATION (WITH ARCTIC PACKAGE)

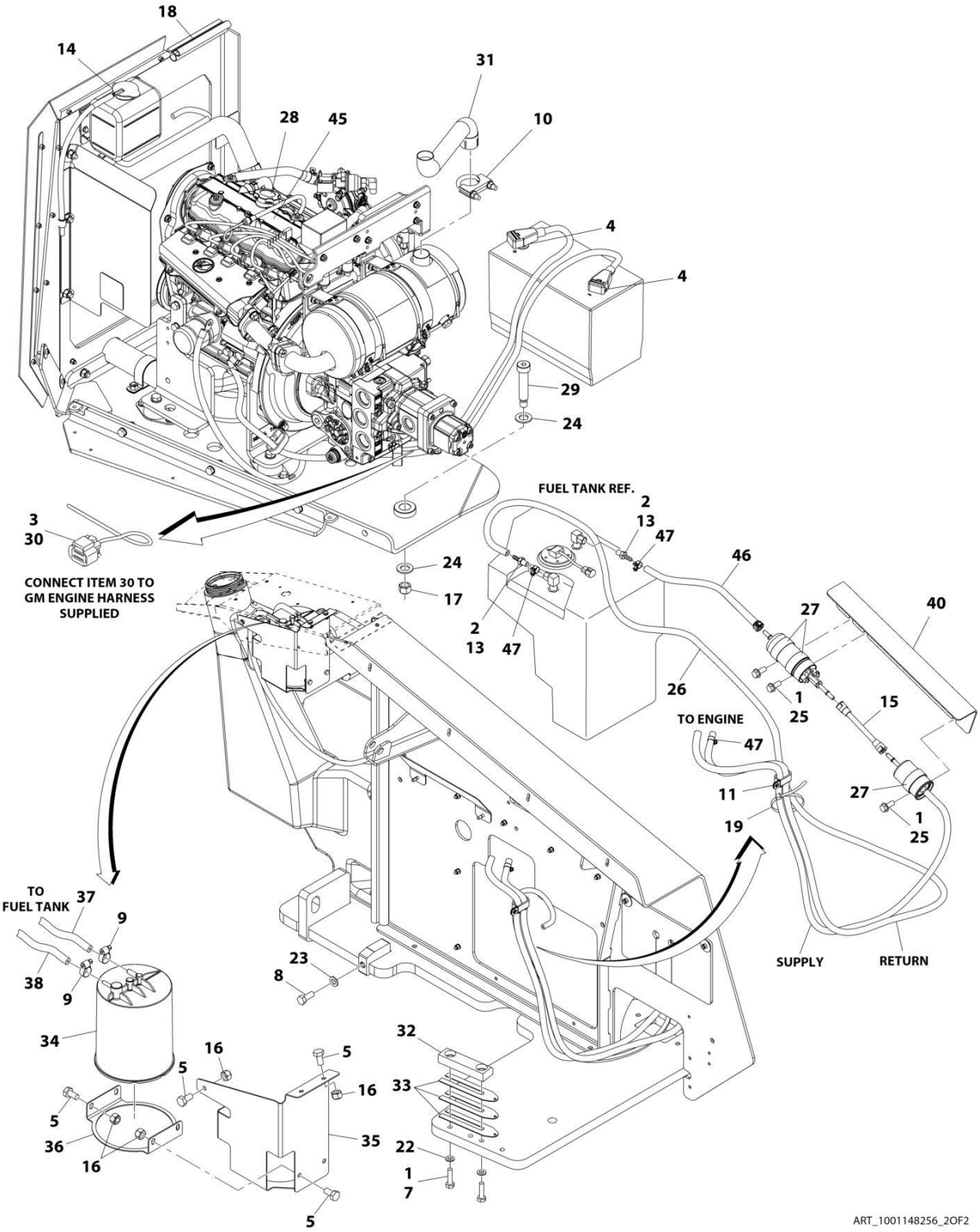


FIGURE 3-2. GM ENGINE INSTALLATION (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148256	Ref	GM ENGINE INSTALLATION (WITH ARCTIC PACKAGE)	G
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100048	AR	Grease, Dielectric	
4	0100051	AR	Grease, Battery Terminal	
5	0760606	7	Bolt M6 x 12	
7	0761016	2	Bolt M10 x 40	
8	0761214	1	Bolt M12 x 30	
8	0761217	1	Bolt M12 x 45	
9	1320022	4	Clamp, Fuel Line	
10	1320026	1	Clamp, Muffler	
11	1321283	1	Clamp	
13	2180348	2	Fitting, Barbed	
14	2300041	AR	Coolant	
15	1001156823	1	Hose	
16	3290605	7	Nut M6	
17	3291605	1	Nut M16	
18	3960464	8 ft /2.4m	Seal	
19	4240033	AR	Tie-Strap	
22	4812000	2	Washer M10	
23	4812102	1	Washer M12	
24	4812500	2	Washer M20	
25	5251012	3	Bolt M10 x 25	
26	1001156819	76 in /1.9m	Hose, Fuel Line	
27	1001097588	3	Clip, Tube	
28	1001115931	AR	Oil, Engine **(SN 0300200802 through 0300215644)**	
29	1001118646	1	Bolt M20 x 80	
30	1001119778	1	Harness, Fuel Pump (See ELECTRICAL SECTION for Breakdown)	
31	1001119902	1	Pipe, Exhaust	
32	1001120087	1	Pad, Wear	
33	1001120090	3	Shim 1.5	
34	1001128801	1	Canister, Carbon	
35	1001128931	1	Bracket, Mounting	
36	1001128936	1	Ring	
37	1001129255	7 in/17cm	Hose	
38	1001129256	9.5 ft /2.9m	Hose	
40	1001137367	1	Shield, Fuel Line	
45	1001148254	1	GM Engine and Pump Sub-Assembly See GM Engine and Pump Sub-Assembly for Breakdown)	
46	1001177156	1	Hose	
47	1001174486	4	Clamp, Hose	

FIGURE 3-3. GM ENGINE AND PUMP SUB-ASSEMBLY

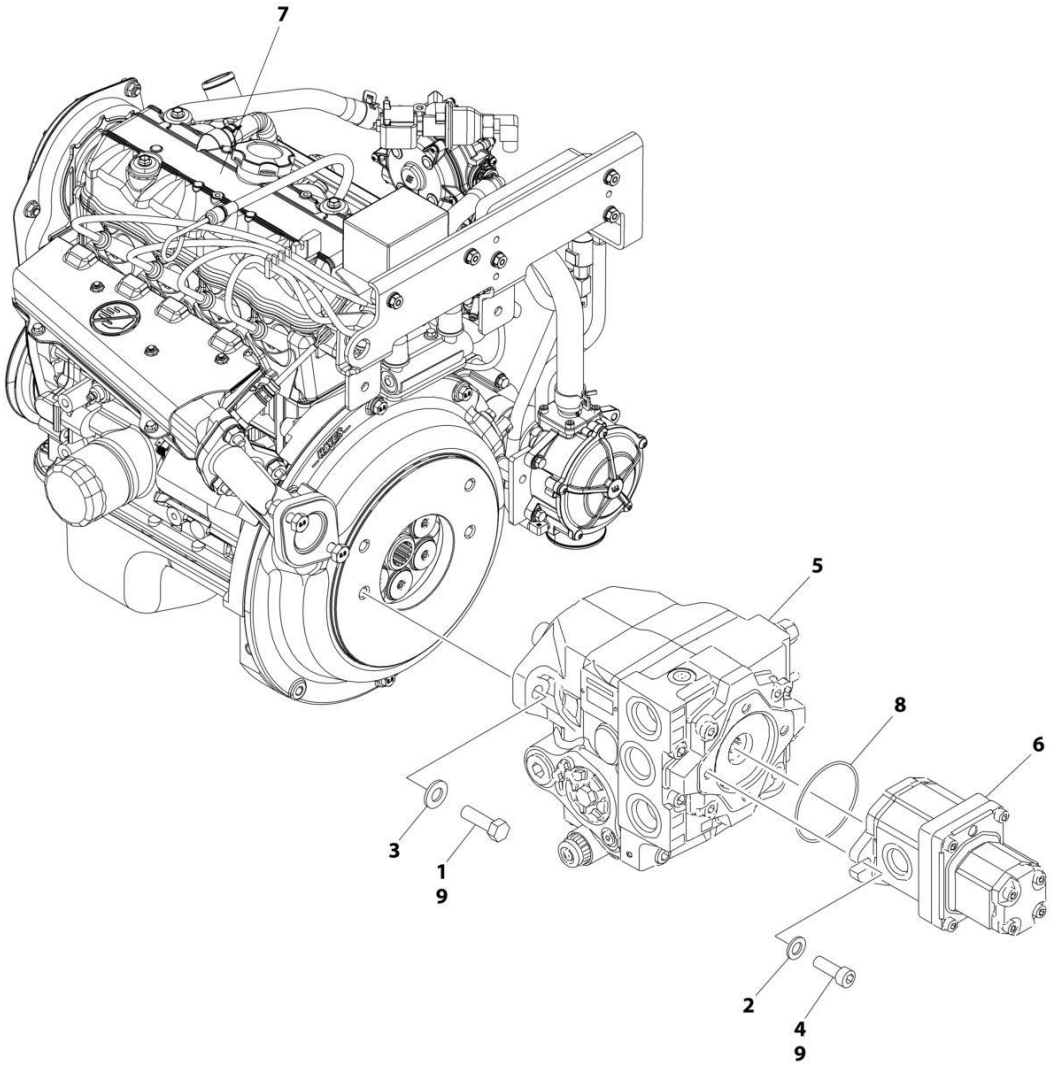
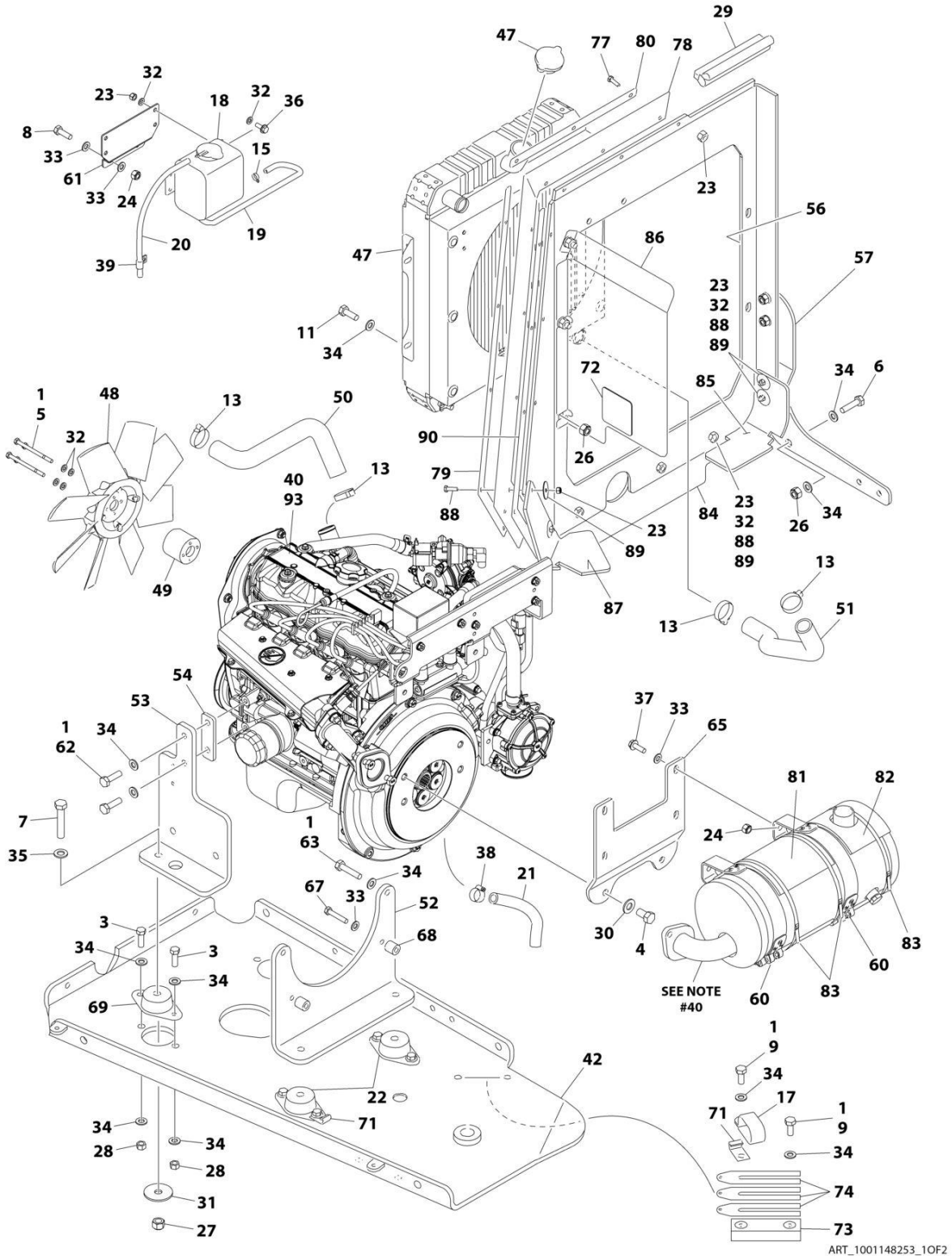


FIGURE 3-3. GM ENGINE AND PUMP SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148254	Ref	GM ENGINE AND PUMP SUB-ASSEMBLY	F
1	0641813	2	Bolt 1/2 x 1-5/8	
2	4891600	2	Washer 3/8	
3	4891800	2	Washer 1/2	
4	83191040	2	Capscrew M10 x 30	
5	1001117028	1	Axial Pump Assembly (See AXIAL PUMP ASSEMBLY for Breakdown)	
6	1001117029	1	Gear Pump Assembly (See GEAR PUMP ASSEMBLY for Breakdown)	
7	1001148253	1	GM Engine Assembly (See GM ENGINE ASSEMBLY for Breakdown) **(SN 0300200802 through 0300201321)**	
7	1001195234	1	GM Engine Assembly (See GM ENGINE ASSEMBLY for Breakdown) **(SN 0300201322 through 0300272222, Except SN 0300272191 through 0300272192)**	
8	3790152	1	O-Ring	
9	0100011	AR	Compound, Locking **(SN 0300233756 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 3-4. GM ENGINE ASSEMBLY (SN 0300200802 through 0300201321)



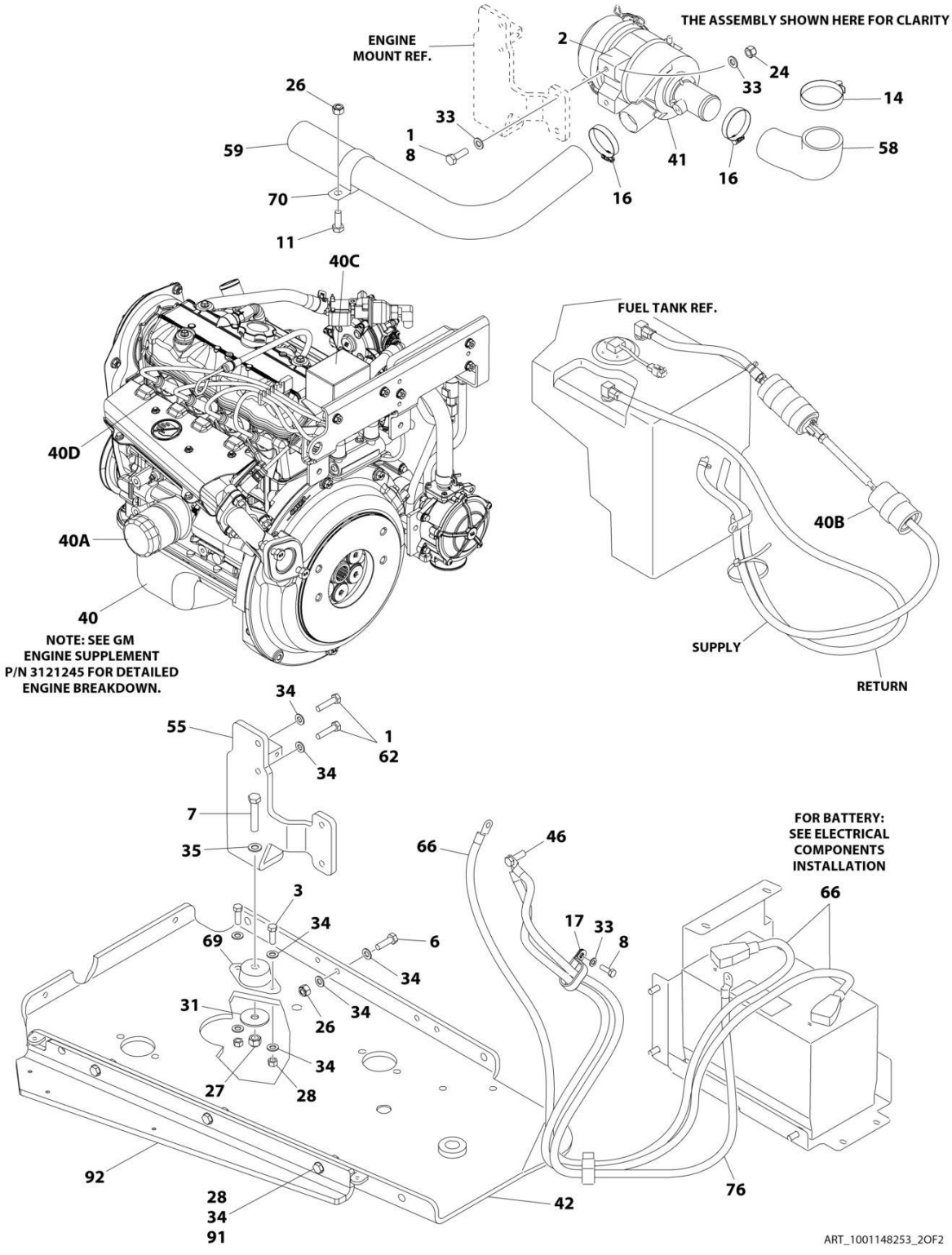
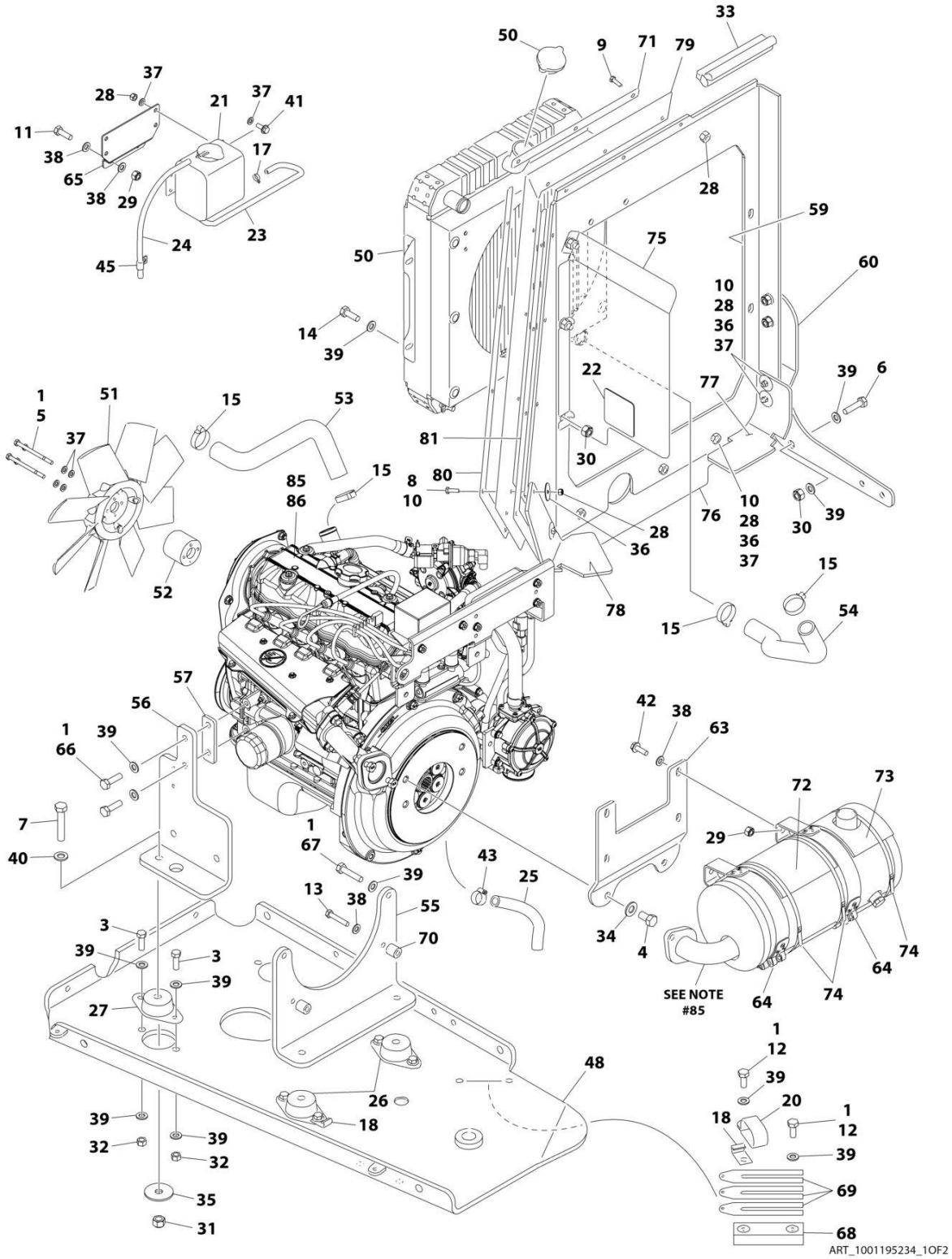

THE ASSEMBLY SHOWN HERE FOR CLARITY
ENGINE MOUNT REF.
2
24
33
14
26
33
1
8
59
58
41
16
16
70
11
40C
FUEL TANK REF.
40D
40A
40B
40
NOTE: SEE GM ENGINE SUPPLEMENT P/N 3121245 FOR DETAILED ENGINE BREAKDOWN.
SUPPLY
RETURN
34
55
1
62
34
7
35
66
46
FOR BATTERY: SEE ELECTRICAL COMPONENTS INSTALLATION
66
3
17
33
8
34
69
6
34
34
31
26
34
34
27
28
92
28
34
91
42
76
ART_1001148253_2OF2

FIGURE 3-4. GM ENGINE ASSEMBLY (SN 0300200802 through 0300201321)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148253	Ref	GM ENGINE ASSEMBLY **(SN 0300200802 through 0300201321)**	E
1	0100011	AR	Compound, Locking	
2	0340045	2	Band, Mounting	
3	0641609	8	Bolt 3/8 x 1-1/8	
4	0641807	2	Bolt 1/2 x 7/8	
5	0700621	4	Bolt M6 x 65	
6	0701015	7	Bolt M10 x 35	
7	0701221	4	Bolt M12 x 65	
8	0760812	6	Bolt M8 x 25	
9	0760814	AR	Bolt M8 x 30	
11	0761014	8	Bolt M10 x 30	
13	1320012	4	Clamp	
14	1320016	1	Clamp	
15	1320022	3	Clamp	
16	1321682	2	Clamp	
17	1321716	2	Clamp	
18	1580011	1	Container, Coolant Overflow	
19	2720058	18 in /46cm	Hose	
20	2720271	19 in /47cm	Hose	
21	2720615	6.5 in /17cm	Hose	
22	3200378	2	Mount, Motor	
23	3290605	17	Nut M6	
24	3290805	8	Nut M8	
26	3291005	13	Nut M10	
27	3291205	4	Nut M12	
28	3311605	8	Nut 3/8	
29	3960464	6.5 in /17cm	Seal	
30	4711800	2	Washer 1/2	
31	4740274	4	Washer	
32	4811700	13	Washer M6	
33	4811900	18	Washer M8	
34	4812000	48	Washer M10	
35	4812100	4	Washer M12	
36	5250608	4	Bolt M6 x 16	
37	5250812	4	Bolt M8 x 25	
38	8405006	1	Clamp	
39	85941016	1	Clamp	
40	1001117892	1	Engine, GM (See GM Engine Supplement P/N 3121245 for Breakdown of Additional Components)	
40A	70002979	1	Filter, Oil	
40B	7027972	1	Filter, Fuel	
40C	70003178	1	Module, Control	
40D	70003179	4	Plug, Spark	
41	1001118280	1	Air Filter Assembly	A
41	7015004	1	Element, Air Filter	
41	1340069	1	Valve, Vacuum	
41	7015005	1	Cover	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001118453	1	Tray, Engine	
46	1001118746	1	Bolt M10 x 25	
47	1001119494	1	Radiator	
47	70002899	1	Cap, Radiator	
48	1001119495	1	Fan	
49	1001119496	1	Spacer, Fan	
50	1001119635	1	Hose, Upper Radiator	
51	1001119636	1	Hose, Lower Radiator	
52	1001119640	1	Plate, Rear Engine	
53	1001119641	1	Plate, LH Front Engine	
54	1001119643	1	Spacer, Mounting	
55	1001119644	1	Plate, RH Front Engine	
56	1001119649	1	Mount, Radiator	
57	1001119698	1	Gusset, Radiator	
58	1001119699	1	Elbow, Air Intake	
59	1001119700	1	Hose, Air Intake	
60	1001119727	2	Clamp, Muffler	
61	1001119730	1	Bracket, Coolant Overflow Tank	
62	1001119929	4	Bolt M10 x 35	
63	1001119930	2	Bolt M10 x 50	
65	1001119701	1	Bracket, Muffler Mounting	
66	1001118594	1	Battery Cable Kit	B
66	4461231	1	Battery Terminal and Red Cover Only (No Cable)	
66	4461232	1	Battery Terminal and Black Cover Only (No Cable)	
67	0760817	2	Bolt M8 x 45	
68	1001120454	2	Housing, Spacer	
69	3200425	2	Mount, Engine	
70	80673025	1	P-Clamp	
71	1320223	2	J-Clip	
72	1703162	2	Decal - Fan Blade	
73	1001120087	1	Pad, Wear	
74	1001120090	3	Shim	
76	1001120450	1	Cable, Ground	
77	0760610	6	Bolt M6 x 20	
78	1001147365	1	Seal, Radiator Hood	
79	1001147642	1	Plate, Seal Support	
80	1001123018	1	Plate, Seal Support	
81	1001137326	1	Insulate, Muffler	
82	1001137327	1	Insulate, Muffler	
83	1001137336	3	Strap	
84	1001137398	1	Shield, Rubber	
85	1001137399	1	Shield, Rubber	
86	1001137371	1	Deflector	
87	1001137400	1	Shield, Rubber	
88	0760612	7	Bolt M6 x 25	
89	4740362	7	Washer	
90	1001147643	1	Plate, Seal Support	
91	0761016	3	Bolt M10 x 40	
92	1001148975	1	Plate, Engine Tray	
93	1001190775	3 gal /11.4L	Oil, Motor	

FIGURE 3-5. GM ENGINE ASSEMBLY (SN 0300201322 through 0300272222)



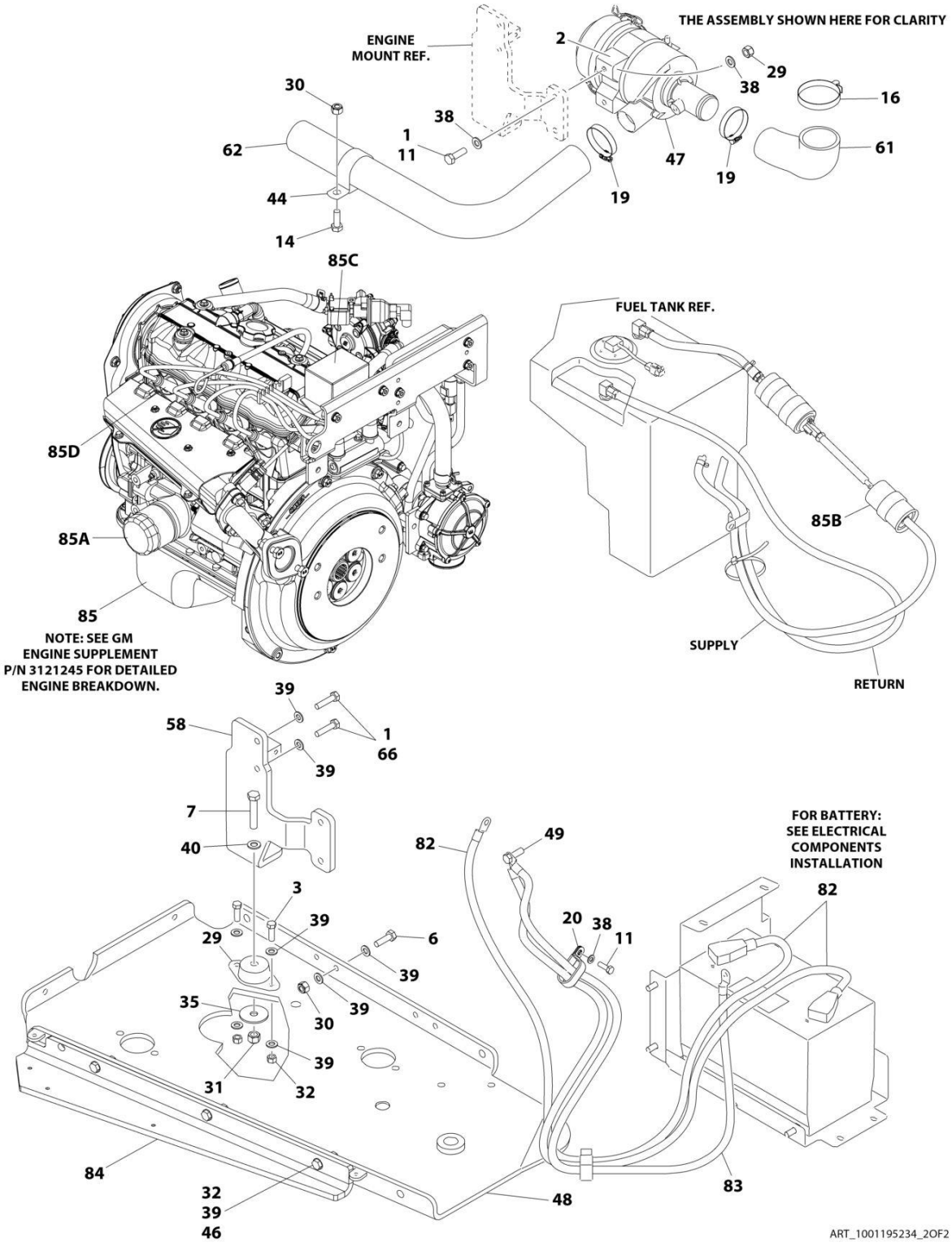

THE ASSEMBLY SHOWN HERE FOR CLARITY
ENGINE MOUNT REF.
2
29
38
16
30
38
1
11
62
47
19
61
19
44
14
85C
FUEL TANK REF.
85D
85A
85
85B
NOTE: SEE GM ENGINE SUPPLEMENT P/N 3121245 FOR DETAILED ENGINE BREAKDOWN.
SUPPLY
RETURN
39
58
1
66
39
7
40
82
49
FOR BATTERY: SEE ELECTRICAL COMPONENTS INSTALLATION
82
3
20
38
11
39
29
6
39
35
39
30
39
39
31
32
84
32
39
46
48
83
ART_1001195234_2OF2

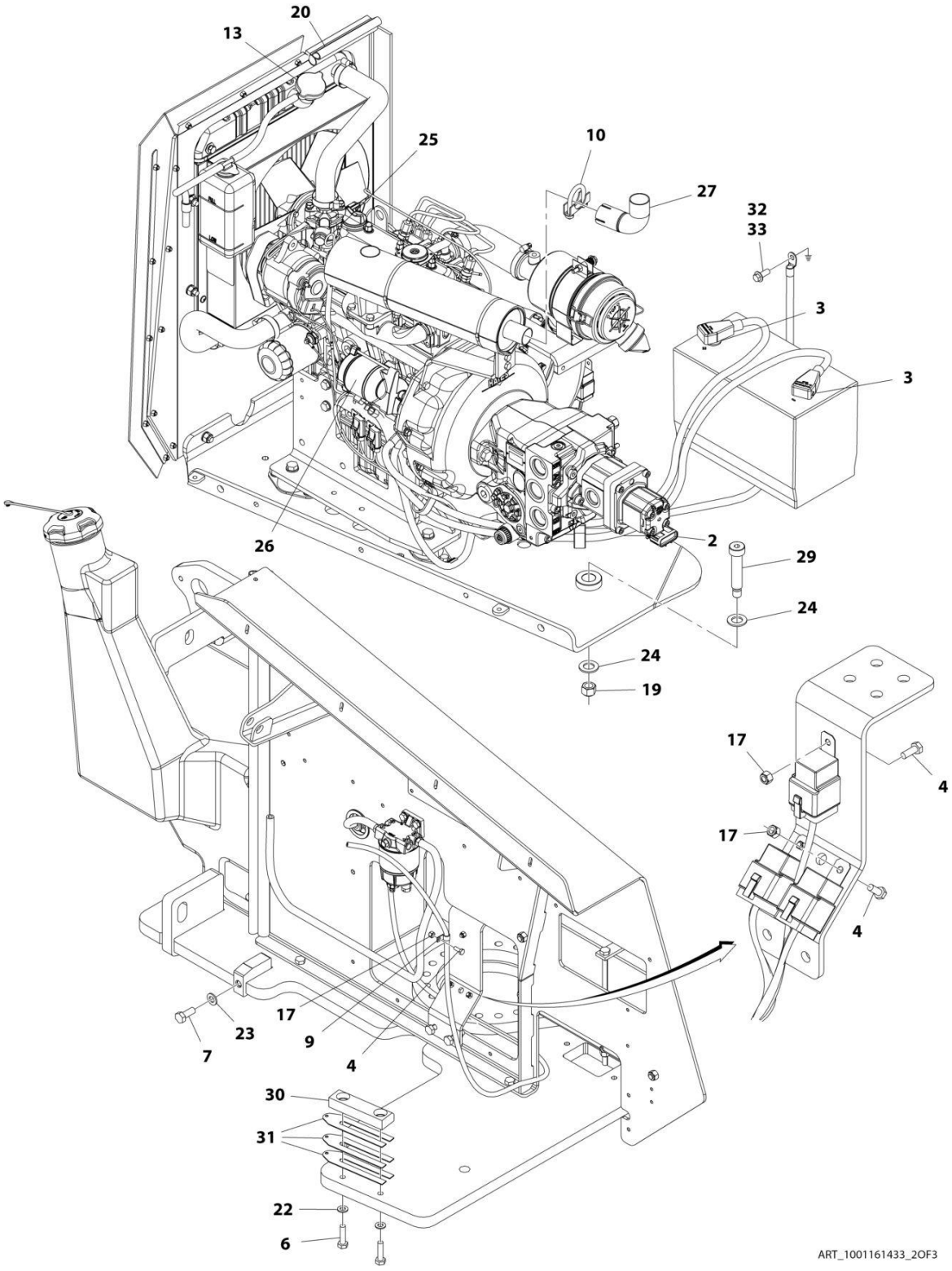
FIGURE 3-5. GM ENGINE ASSEMBLY (SN 0300201322 through 0300272222)

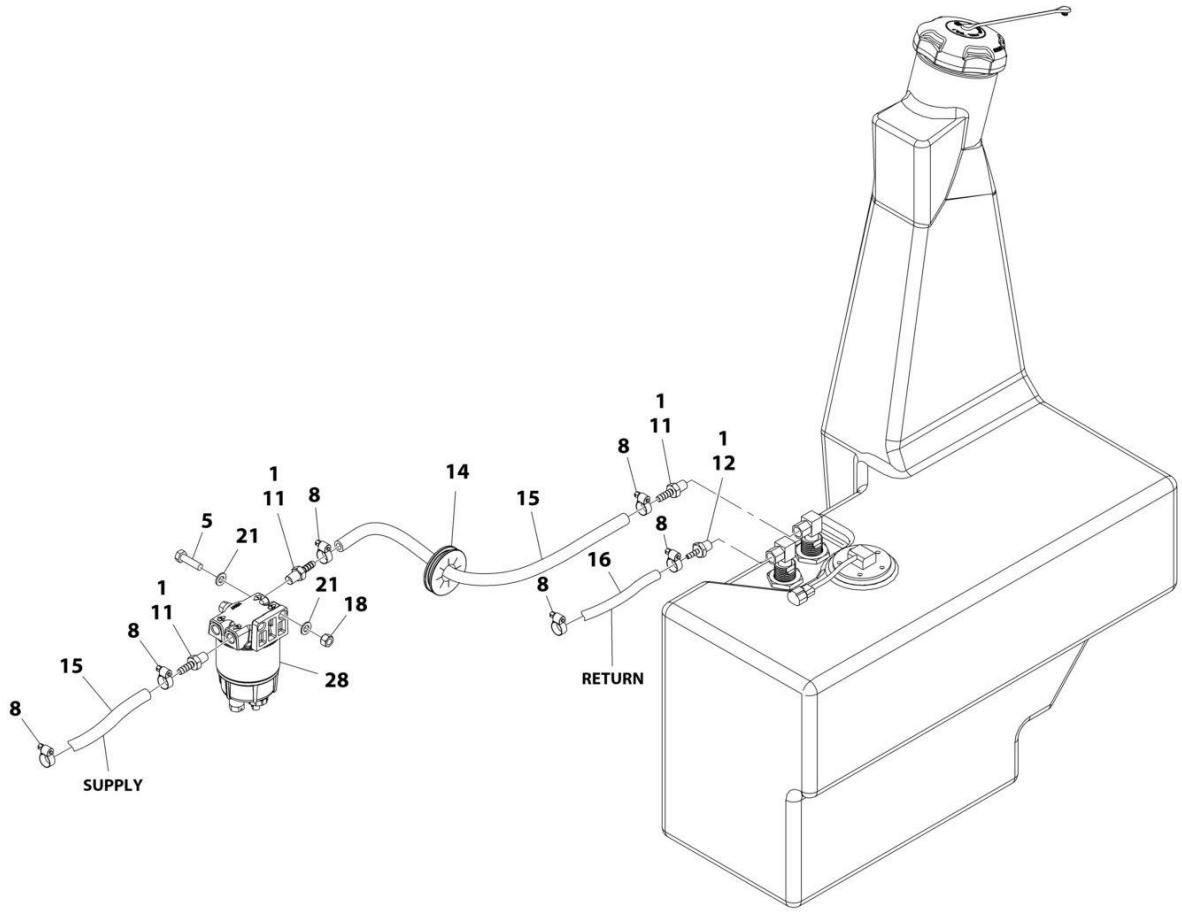
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195234	Ref	GM ENGINE ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0340045	2	Band, Mounting	
3	0641609	8	Bolt 3/8 x 1-1/8	
4	0641807	2	Bolt 1/2 x 7/8	
5	0700621	4	Bolt M6 x 65	
6	0701015	7	Bolt M10 x 35	
7	0701221	4	Bolt M12 x 65	
8	0760608	5	Bolt M6 x 16	
9	0760610	6	Bolt M6 x 20	
10	0760612	7	Bolt M6 x 25	
11	0760812	6	Bolt M8 x 25	
12	0760814	2	Bolt M8 x 30	
13	0760817	2	Bolt M8 x 45	
14	0761014	8	Bolt M10 x 30	
15	1320012	4	Clamp	
16	1320016	1	Clamp	
17	1320022	3	Clamp	
18	1320223	2	J-Clip	
19	1321682	2	Clamp	
20	1321716	2	Clamp	
21	1580011	1	Container, Coolant Overflow	
22	1703162	2	Decal - Fan Blade	
23	2720058	18 in /46cm	Hose	
24	2720271	19 in /47cm	Hose	
25	2720615	6.5 in /17cm	Hose	
26	3200378	2	Mount, Motor	
27	3200425	2	Mount, Engine	
28	3290605	22	Nut M6	
29	3290805	8	Nut M8	
30	3291005	16	Nut M10	
31	3291205	4	Nut M12	
32	3311605	8	Nut 3/8	
33	3960464	6.5 in /17cm	Seal	
34	4711800	2	Washer 1/2	
35	4740274	4	Washer	
36	4740362	7	Washer	
37	4811700	13	Washer M6	
38	4811900	18	Washer M8	
39	4812000	54	Washer M10	
40	4812100	4	Washer M12	
41	5250608	4	Bolt M6 x 16	
42	5250812	4	Bolt M8 x 25	
43	8405006	1	Clamp	
44	80673025	1	P-Clamp	
45	85941016	1	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	0761016	3	Bolt M10 x 40	
47	1001118280	1	Air Filter Assembly	A
47	7015004	1	Element, Air Filter	
47	1340069	1	Valve, Vacuum	
47	7015005	1	Cover	
48	1001118453	1	Tray, Engine	
49	1001118746	1	Bolt M10 x 25	
50	1001119494	1	Radiator	
50	70002899	1	Cap, Radiator	
51	1001119495	1	Fan	
52	1001119496	1	Spacer, Fan	
53	1001119635	1	Hose, Upper Radiator	
54	1001119636	1	Hose, Lower Radiator	
55	1001119640	1	Plate, Rear Engine	
56	1001119641	1	Plate, LH Front Engine	
57	1001119643	1	Spacer, Mounting	
58	1001119644	1	Plate, RH Front Engine	
59	1001119649	1	Mount, Radiator	
60	1001119698	1	Gusset, Radiator	
61	1001119699	1	Elbow, Air Intake	
62	1001119700	1	Hose, Air Intake	
63	1001119701	1	Bracket, Muffler Mounting	
64	1001119727	2	Clamp, Muffler	
65	1001119730	1	Bracket, Coolant Overflow Tank	
66	1001119929	4	Bolt M10 x 35	
67	1001119930	2	Bolt M10 x 50	
68	1001120087	1	Pad, Wear	
69	1001120090	3	Shim	
70	1001120454	2	Housing, Spacer	
71	1001123018	1	Plate, Seal Support	
72	1001137326	1	Insulate, Muffler	
73	1001137327	1	Insulate, Muffler	
74	1001137336	3	Strap	
75	1001137371	1	Deflector	
76	1001137398	1	Shield, Rubber	
77	1001137399	1	Shield, Rubber	
78	1001137400	1	Shield, Rubber	
79	1001147365	1	Seal, Radiator Hood	
80	1001147642	1	Plate, Seal Support	
81	1001147643	1	Plate, Seal Support	
82	1001118594	1	Battery Cable Kit	B
82	4461231	1	Battery Terminal and Red Cover Only (No Cable)	
82	4461232	1	Battery Terminal and Black Cover Only (No Cable)	
83	1001120450	1	Cable, Ground	
84	1001148975	1	Plate, Engine Tray	
85	1001194741	1	Engine, GM (See GM Engine Supplement P/N 3121245 for Breakdown of Additional Components)	
85A	70002979	1	Filter, Oil	
85B	7027972	1	Filter, Fuel	
85C	70003178	1	Module, Control	
85D	70003179	4	Plug, Spark	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
86	1001190775	3 gal / 11.4L	Oil, Motor **(SN 0300215644 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 3-6. KUBOTA ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)



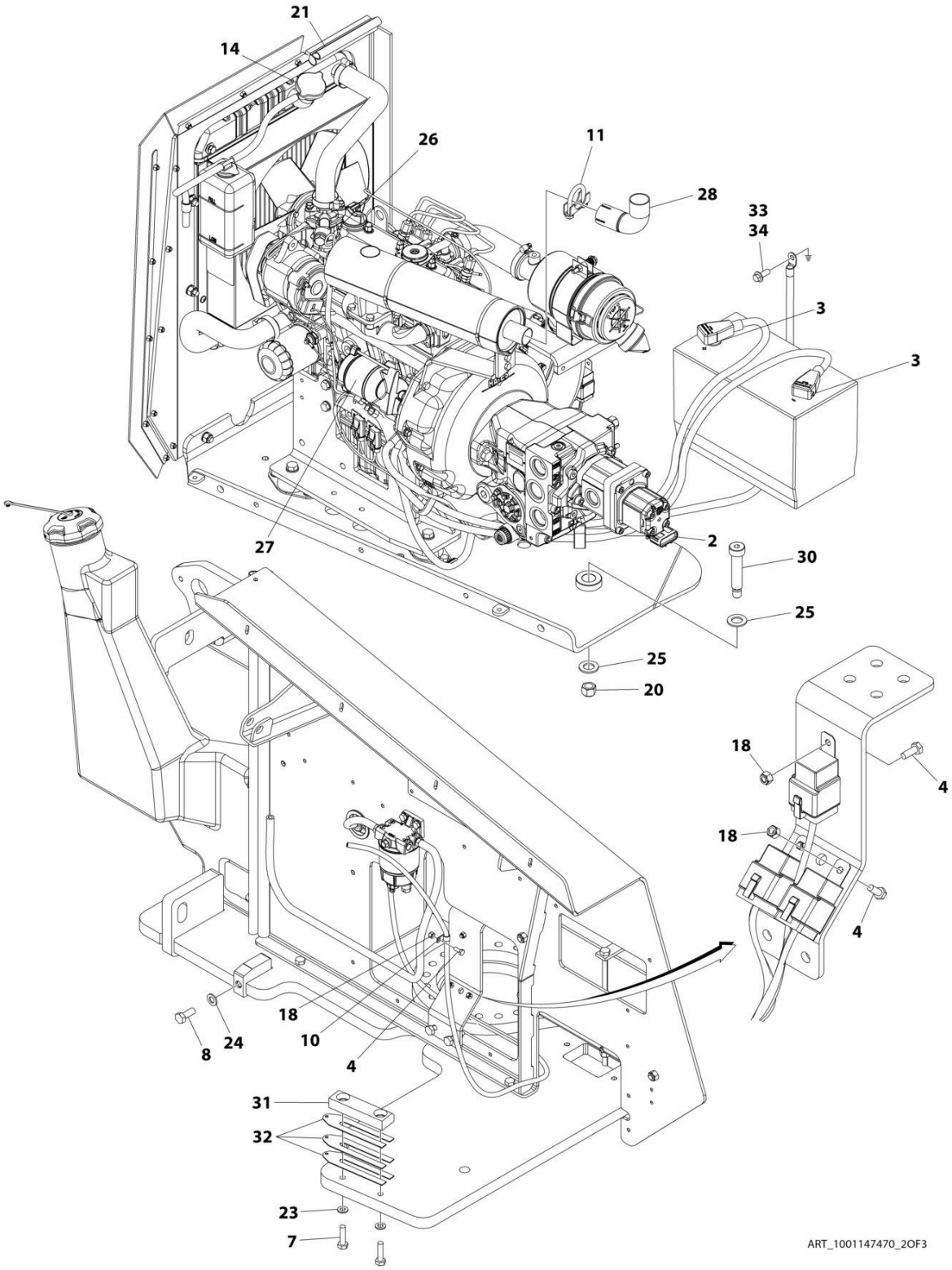


ART_1001161433_3OF3

FIGURE 3-6. KUBOTA ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161433	Ref	KUBOTA ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)	F
1	0100020	AR	Sealant, Pipe	
2	0100048	AR	Grease, Dielectric	
3	0100051	AR	Grease, Battery Terminal	
4	0760608	4	Bolt M6 x 16	
5	0760814	2	Bolt M8 x 30	
6	0761016	2	Bolt M10 x 40	
7	0761214	1	Bolt M12 x 30	
7	0761217	1	Bolt M12 x 45	
8	1320022	6	Clamp, Fuel Line	
9	1320043	1	Clamp, Cable	
10	1320274	1	Clamp, Muffler	
11	2180348	3	Fitting, Barbed	
12	2180666	1	Fitting, Barbed	
13	2300004	AR	Coolant	
14	2540045	1	Grommet	
15	2720058	7 ft/2.1m	Hose	
16	2720271	6.5 ft /2m	Hose	
17	3290605	4	Nut M6	
18	3290805	2	Nut M8	
19	3291605	1	Nut M16	
20	3960464	33 in /84cm	Seal	
21	4811900	4	Washer M8	
22	4812000	2	Washer M10	
23	4812102	1	Washer M12	
24	4812500	2	Washer M20	
25	1001159301	AR	Oil, Engine	
26	1001161432	NLA	Kubota Engine and Pump Sub-Assembly (Use P/N 1001238004) (See Kubota Engine and Pump Assembly for Breakdown) **(SN 0300200802 through 0300253888)**	
26	1001238004	1	Kubota Engine and Pump Sub-Assembly (See Kubota Engine and Pump Assembly for Breakdown) **(SN 0300253888 through 0300272222, Except SN 0300272191 through 0300272192)**	
27	1001118548	1	Tube, Exhaust	
28	1001118619	1	Fuel Filter/Water Separator Assembly	
28	70002900	1	Filter, Fuel	
28	70002901	1	Bowl Kit - Water Separator (Includes Bowl, Drain and Plug)	
29	1001118646	1	Bolt M20 x 80	
30	1001120087	1	Pad, Wear	
31	1001120090	3	Shim 1.5	
32	0100011	AR	Compound, Locking	
33	5251012	1	Bolt M10 x 25	

FIGURE 3-7. KUBOTA ENGINE INSTALLATION WITH 4000W GENERATOR (WITHOUT ARCTIC PACKAGE)



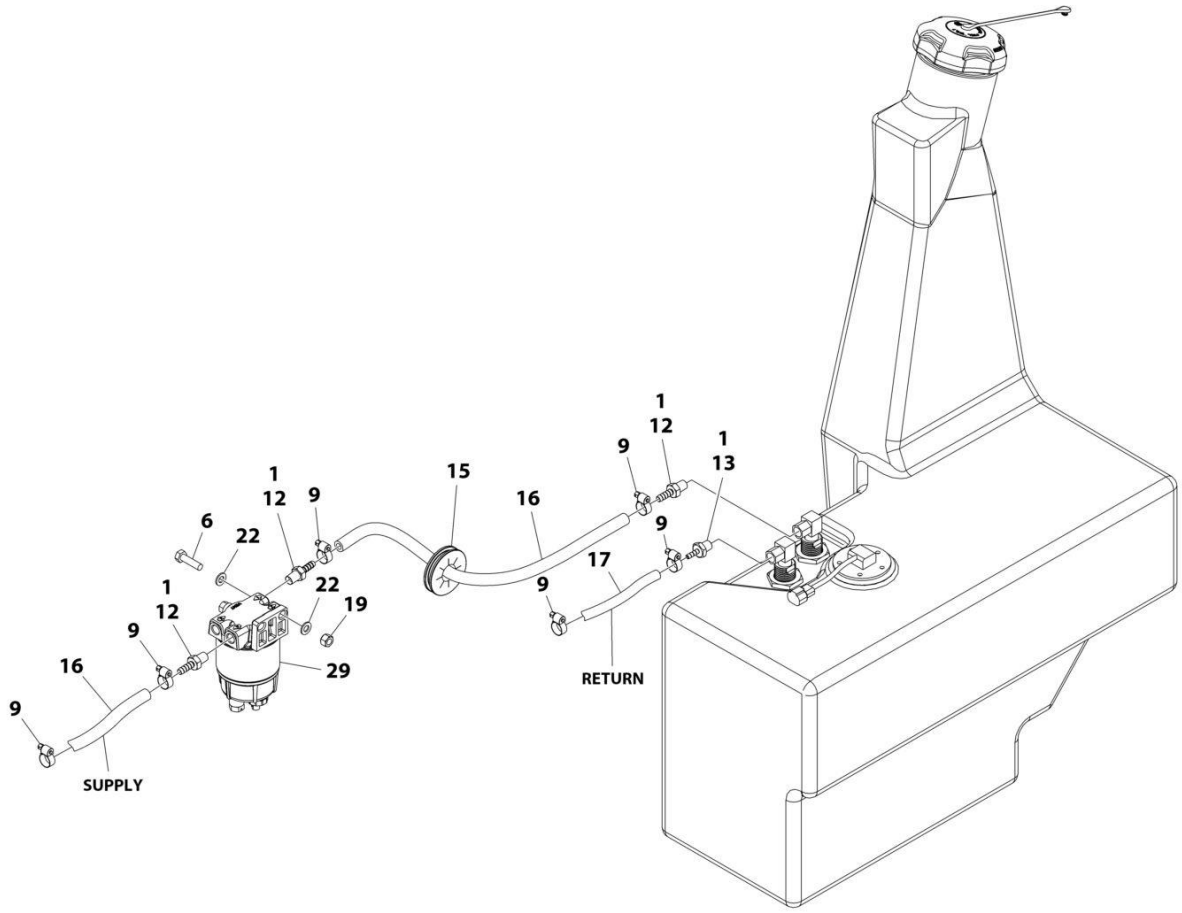
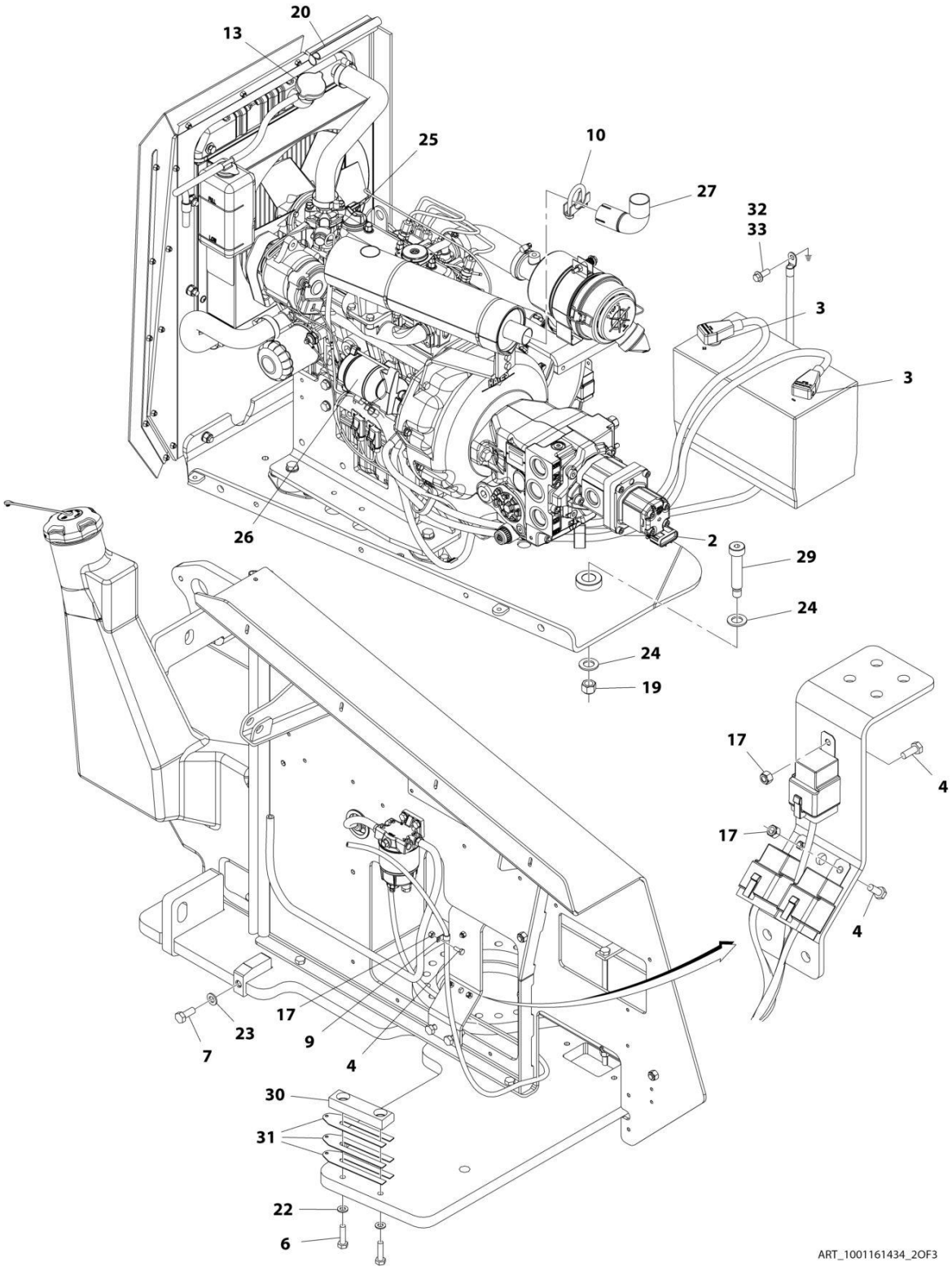
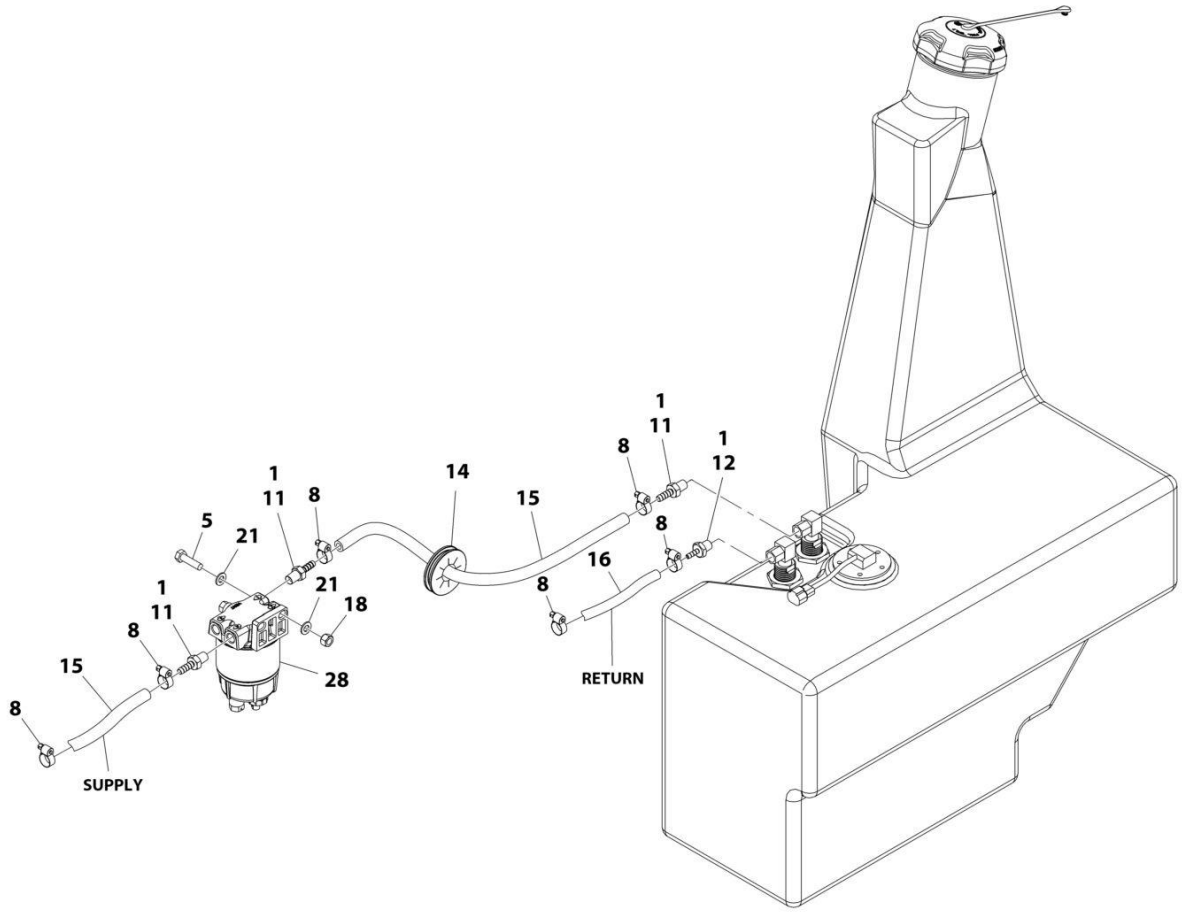

1
12
9
6
22
1
12
9
22
19
29
16
9
SUPPLY
15
16
9
17
RETURN
1
12
9
1
13
ART_1001147470_3OF3

FIGURE 3-7. KUBOTA ENGINE INSTALLATION WITH 4000W GENERATOR (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001147470	Ref	KUBOTA ENGINE INSTALLATION WITH 4000W GENERATOR (WITHOUT ARCTIC PACKAGE)	E
1	0100020	AR	Sealant, Pipe	
2	0100048	AR	Grease, Dielectric	
3	0100051	AR	Grease, Battery Terminal	
4	0760608	4	Bolt M6 x 16	
6	0760814	2	Bolt M8 x 30	
7	0761016	2	Bolt M10 x 40	
8	0761214	1	Bolt M12 x 30	
9	1320022	6	Clamp, Fuel Line	
10	1320043	1	Clamp, Cable	
11	1320274	1	Clamp, Muffler	
12	2180348	3	Fitting, Barbed	
13	2180666	1	Fitting, Barbed	
14	2300004	AR	Coolant	
15	2540045	1	Grommet	
16	2720058	7 ft/2.1m	Hose	
17	2720271	6.5 ft/2m	Hose	
18	3290605	4	Nut M6	
19	3290805	2	Nut M8	
20	3291605	1	Nut M16	
21	3960464	33 in /84cm	Seal	
22	4811900	4	Washer M8	
23	4812000	2	Washer M10	
24	4812102	1	Washer M12	
25	4812500	2	Washer M20	
26	1001159301	AR	Oil, Engine (10W-30)	
27	1001147469	NLA	Kubota Engine and Pump Sub-Assembly (Use P/N 1001238005) (See KUBOTA ENGINE AND PUMP SUB-ASSEMBLY for Breakdown) **(SN 0300200802 through 0300253888)**	
27	1001238005	1	Kubota Engine and Pump Sub-Assembly (See KUBOTA ENGINE AND PUMP SUB-ASSEMBLY for Breakdown) **(SN 0300253888 through 0300272222, Except SN 0300272191 through 0300272192)**	
28	1001118548	1	Tube, Exhaust	
29	1001118619	1	Fuel Filter/Water Separator Assembly	
29	70002900	1	Filter, Fuel	
29	70002901	1	Bowl Kit - Water Separator (Includes Bowl, Drain and Plug)	
30	1001118646	1	Bolt M20 x 80	
31	1001120087	1	Pad, Wear	
32	1001120090	3	Shim 1.5	
33	0100011	AR	Compound, Locking	
34	5251012	1	Bolt M10 x 25	

FIGURE 3-8. KUBOTA ENGINE INSTALLATION (WITH ARCTIC PACKAGE)



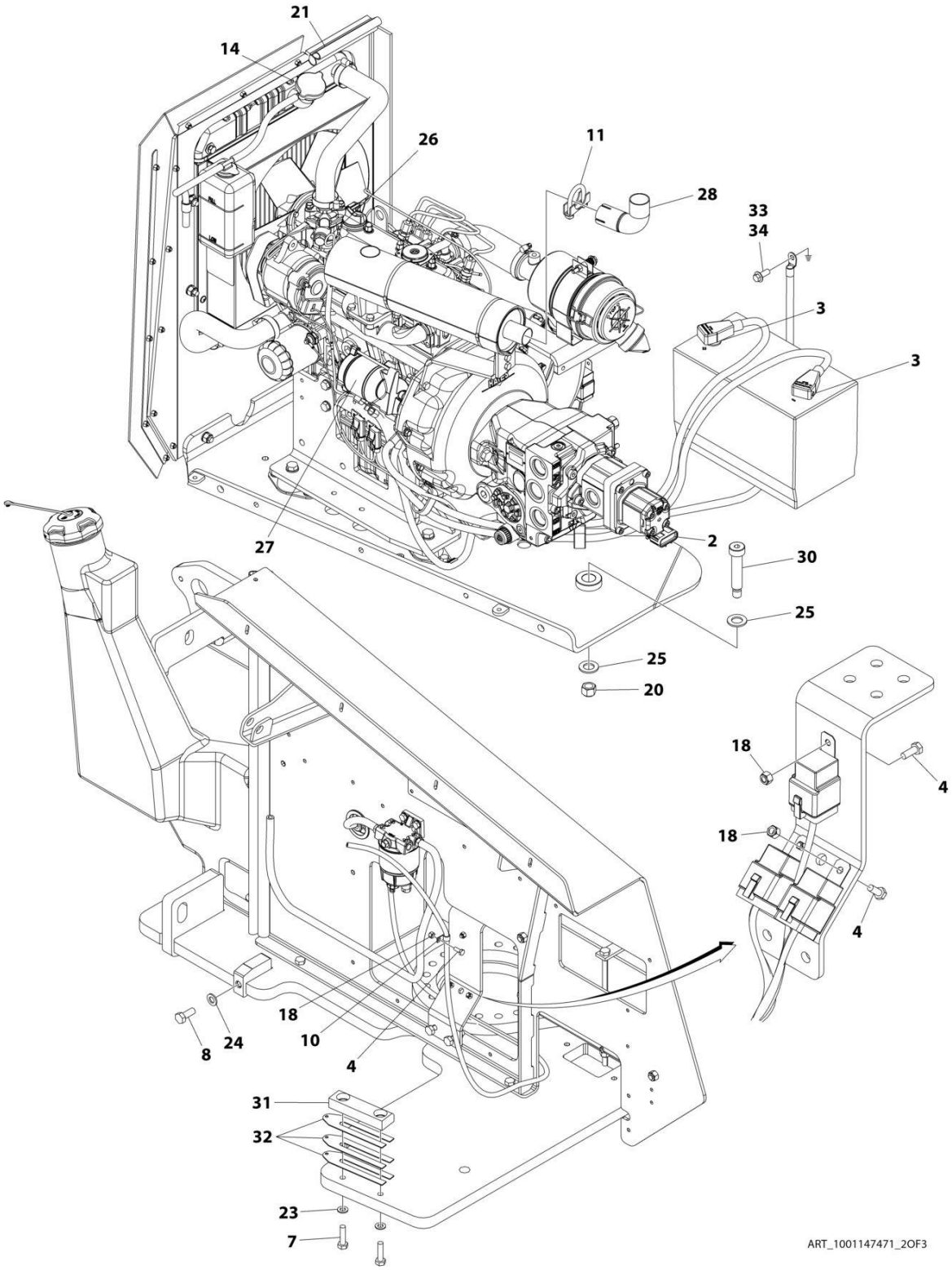


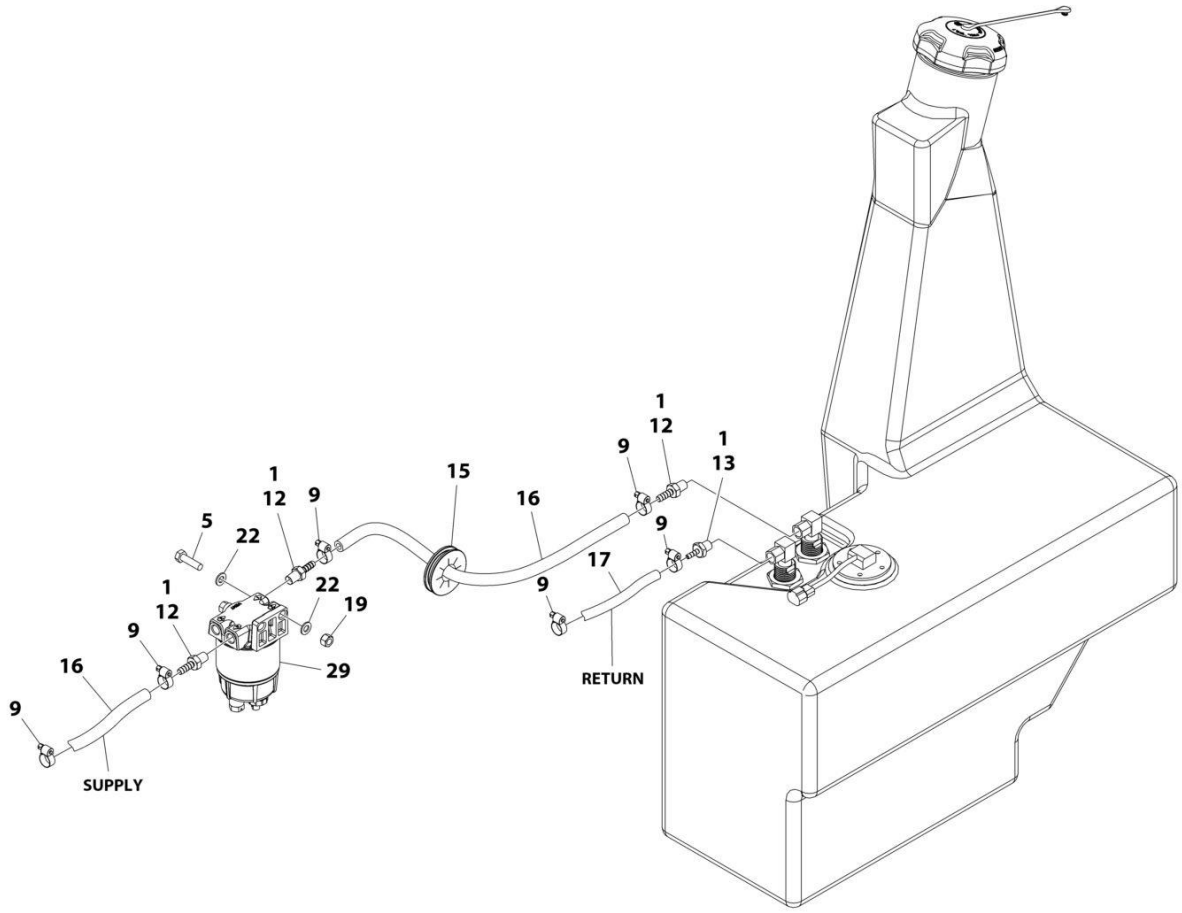
ART_1001161434_3OF3

FIGURE 3-8. KUBOTA ENGINE INSTALLATION (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161434	Ref	KUBOTA ENGINE INSTALLATION (WITH ARCTIC PACKAGE)	F
1	0100020	AR	Sealant, Pipe	
2	0100048	AR	Grease, Dielectric	
3	0100051	AR	Grease, Battery Terminal	
4	0760608	4	Bolt M6 x 16	
5	0760814	2	Bolt M8 x 30	
6	0761016	2	Bolt M10 x 40	
7	0761214	1	Bolt M12 x 30	
7	0761217	1	Bolt M12 x 45	
8	1320022	6	Clamp, Fuel Line	
9	1320043	1	Clamp, Cable	
10	1320274	1	Clamp, Muffler	
11	2180348	3	Fitting, Barbed	
12	2180666	1	Fitting, Barbed	
13	2300041	AR	Coolant	
14	2540045	1	Grommet	
15	2720058	7 ft/2.1m	Hose	
16	2720271	6.5 ft/2m	Hose	
17	3290605	4	Nut M6	
18	3290805	2	Nut M8	
19	3291605	1	Nut M16	
20	3960464	33 in /84cm	Seal	
21	4811900	4	Washer M8	
22	4812000	2	Washer M10	
23	4812102	1	Washer M12	
24	4812500	2	Washer M20	
25	1001176938	AR	Oil, Engine	
26	1001161432	NLA	Kubota Engine and Pump Sub-Assembly (Use P/N 1001238004) (See Kubota Engine and Pump Assembly for Breakdown) **(SN 0300200802 through 0300253888)**	
26	1001238004	1	Kubota Engine and Pump Sub-Assembly (See Kubota Engine and Pump Assembly for Breakdown) **(SN 0300253888 through 0300272222, Except SN 0300272191 through 0300272192)**	
27	1001118548	1	Tube, Exhaust	
28	1001118619	1	Fuel Filter/Water Separator Assembly	
28	70002900	1	Filter, Fuel	
28	70002901	1	Bowl Kit - Water Separator (Includes Bowl, Drain and Plug)	
29	1001118646	1	Bolt M20 x 80	
30	1001120087	1	Pad, Wear	
31	1001120090	3	Shim 1.5	
32	0100011	AR	Compound, Locking	
33	5251012	1	Bolt M10 x 25	

FIGURE 3-9. KUBOTA ENGINE INSTALLATION WITH 4000W GENERATOR (WITH ARCTIC PACKAGE)





ART_1001147471_3OF3

FIGURE 3-9. KUBOTA ENGINE INSTALLATION WITH 4000W GENERATOR (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001147471	Ref	KUBOTA ENGINE INSTALLATION WITH 4000W GENERATOR (WITH ARCTIC PACKAGE)	E
1	0100020	AR	Sealant, Pipe	
2	0100048	AR	Grease, Dielectric	
3	0100051	AR	Grease, Battery Terminal	
4	0760608	4	Bolt M6 x 16	
5	0760814	2	Bolt M8 x 30	
7	0761016	2	Bolt M10 x 40	
8	0761214	1	Bolt M12 x 30	
9	1320022	6	Clamp, Fuel Line	
10	1320043	1	Clamp, Cable	
11	1320274	1	Clamp, Muffler	
12	2180348	3	Fitting, Barbed	
13	2180666	1	Fitting, Barbed	
14	2300041	AR	Coolant	
15	2540045	1	Grommet	
16	2720058	7 ft/2.1m	Hose	
17	2720271	6.5 ft/2m	Hose	
18	3290605	4	Nut M6	
19	3290805	2	Nut M8	
20	3291605	1	Nut M16	
21	3960464	33 in /84cm	Seal	
22	4811900	4	Washer M8	
23	4812000	2	Washer M10	
24	4812102	1	Washer M12	
25	4812500	2	Washer M20	
26	1001176938	AR	Oil, Engine	
27	1001147469	NLA	Kubota Engine and Pump Sub-Assembly (Use P/N 1001238005) (See KUBOTA ENGINE AND PUMP SUB-ASSEMBLY for Breakdown) **(SN 0300200802 through 0300253888)**	
27	1001238005	1	Kubota Engine and Pump Sub-Assembly (See KUBOTA ENGINE AND PUMP SUB-ASSEMBLY for Breakdown) **(SN 0300253888 through 0300272222, Except SN 0300272191 through 0300272192)**	
28	1001118548	1	Tube, Exhaust	
29	1001118619	1	Fuel Filter/Water Separator Assembly	
29	70002900	1	Filter, Fuel	
29	70002901	1	Bowl Kit - Water Separator (Includes Bowl, Drain and Plug)	
30	1001118646	1	Bolt M20 x 80	
31	1001120087	1	Pad, Wear	
32	1001120090	3	Shim 1.5	
33	0100011	AR	Compound, Locking	
34	5251012	1	Bolt M10 x 25	

FIGURE 3-10. KUBOTA ENGINE AND PUMP SUB-ASSEMBLY (SN 0300200802 through 0300253888)

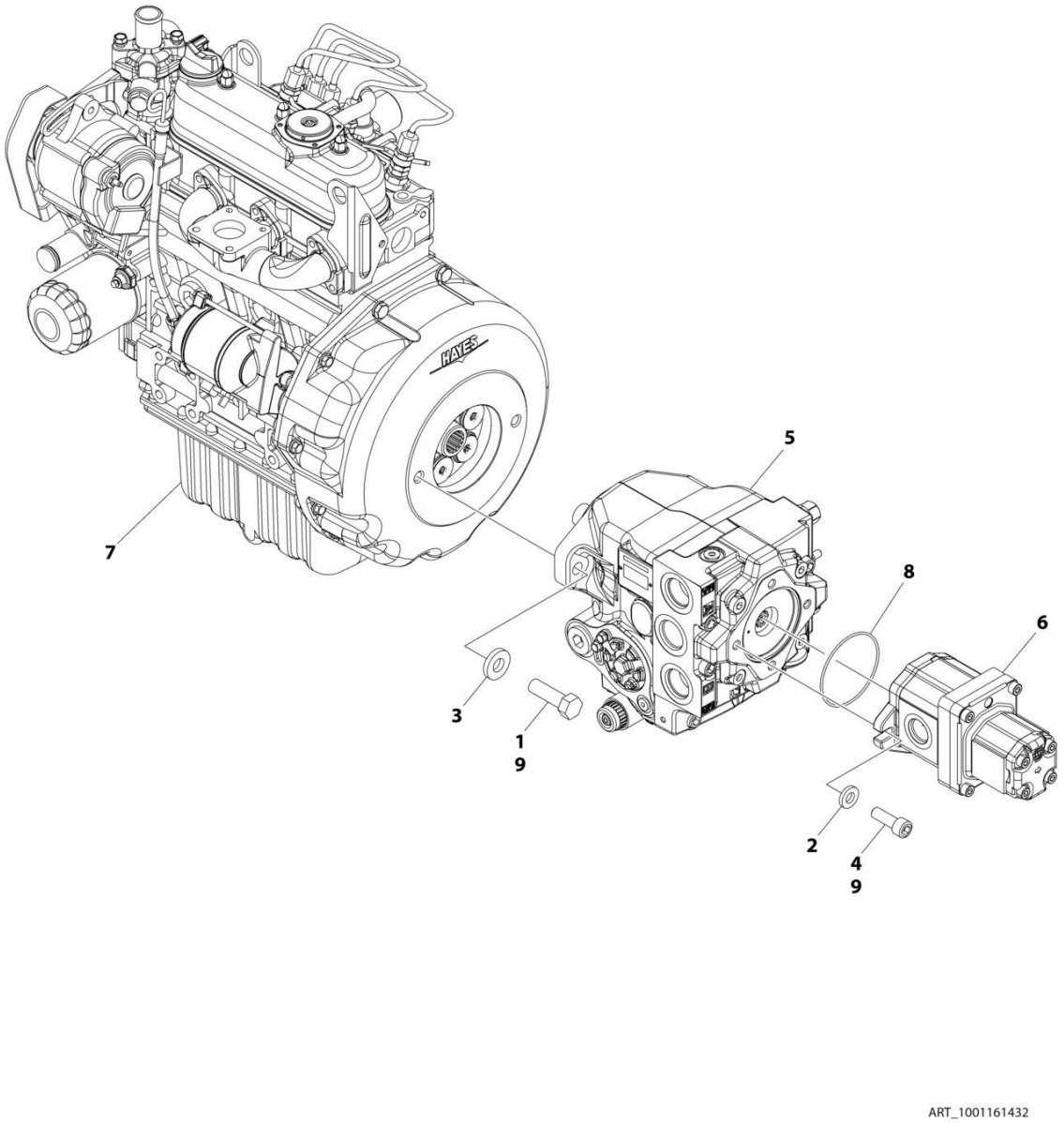


FIGURE 3-10. KUBOTA ENGINE AND PUMP SUB-ASSEMBLY (SN 0300200802 through 0300253888)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161432	Ref	KUBOTA ENGINE AND PUMP SUB-ASSEMBLY	E
1	0641813	2	Bolt 1/2 x 1-5/8	
2	4891600	2	Washer 3/8	
3	4891800	2	Washer 1/2	
4	83191040	2	Capscrew M10 x 30	
5	1001117028	1	Axial Pump Assembly (See AXIAL PUMP ASSEMBLY for Breakdown)	
6	1001117029	1	Gear Pump Assembly (See GEAR PUMP ASSEMBLY for Breakdown)	
7	1001161431	NLA	Kubota Engine Assembly (Use p/n 1001238001) (See KUBOTA ENGINE ASSEMBLY for Breakdown)	
8	3790152	1	O-Ring	
9	0100011	AR	Compound, Locking	

FIGURE 3-11. KUBOTA ENGINE AND PUMP SUB-ASSEMBLY (SN 0300253888 through 0300272222)

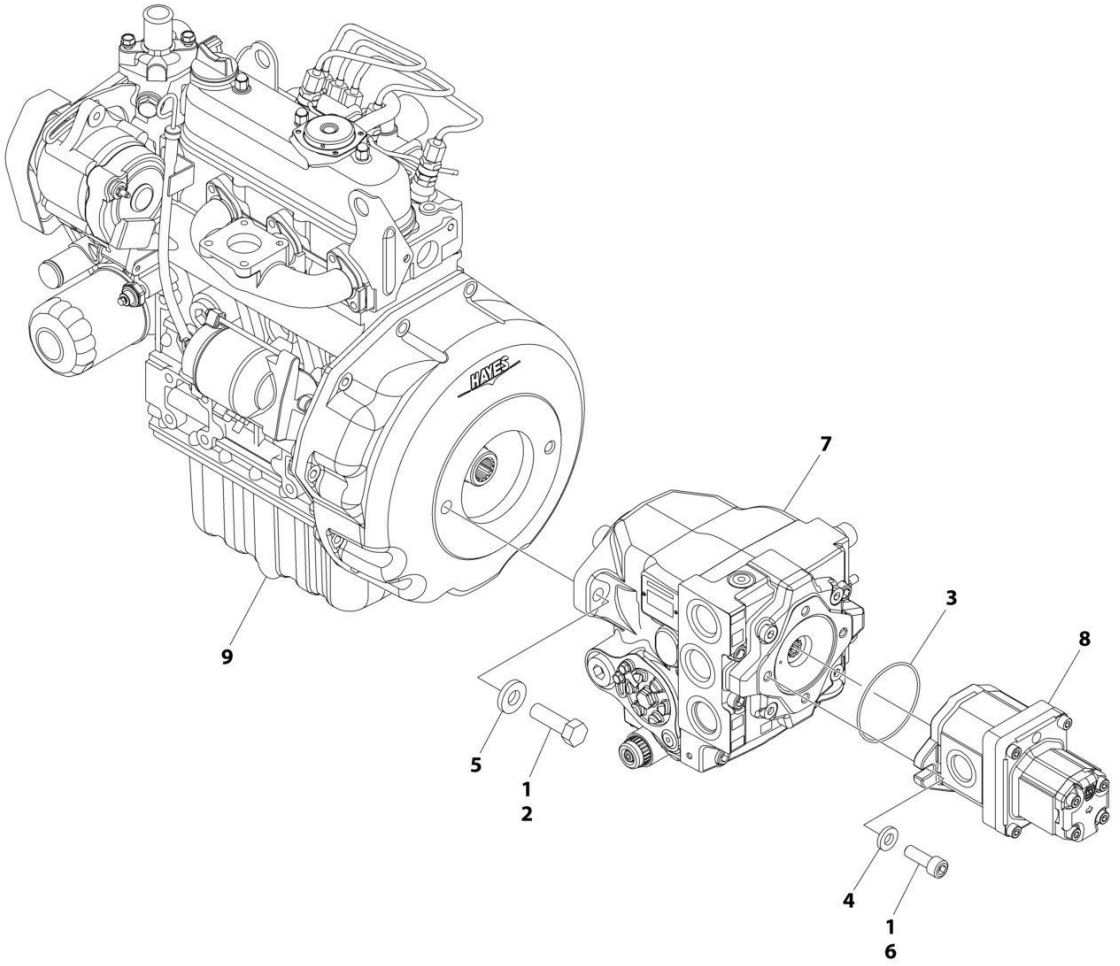


FIGURE 3-11. KUBOTA ENGINE AND PUMP SUB-ASSEMBLY (SN 0300253888 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238004	Ref	KUBOTA ENGINE AND PUMP SUB-ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0641813	2	Bolt 1/2 x 1-5/8	
3	3790152	1	O-Ring	
4	4891600	2	Washer 3/8	
5	4891800	2	Washer 1/2	
6	83191040	2	Capscrew M10 x 30	
7	1001117028	1	Axial Pump Assembly (See Separate Breakdown in this Section)	
8	1001117029	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
9	1001238001	1	Kubota Engine Assembly (Use p/n 1001238001) (See Separate Breakdown in this Section)	

FIGURE 3-12. KUBOTA ENGINE WITH 4000W GENERATOR AND PUMP SUB-ASSEMBLY (SN 0300200802 through 0300253888)

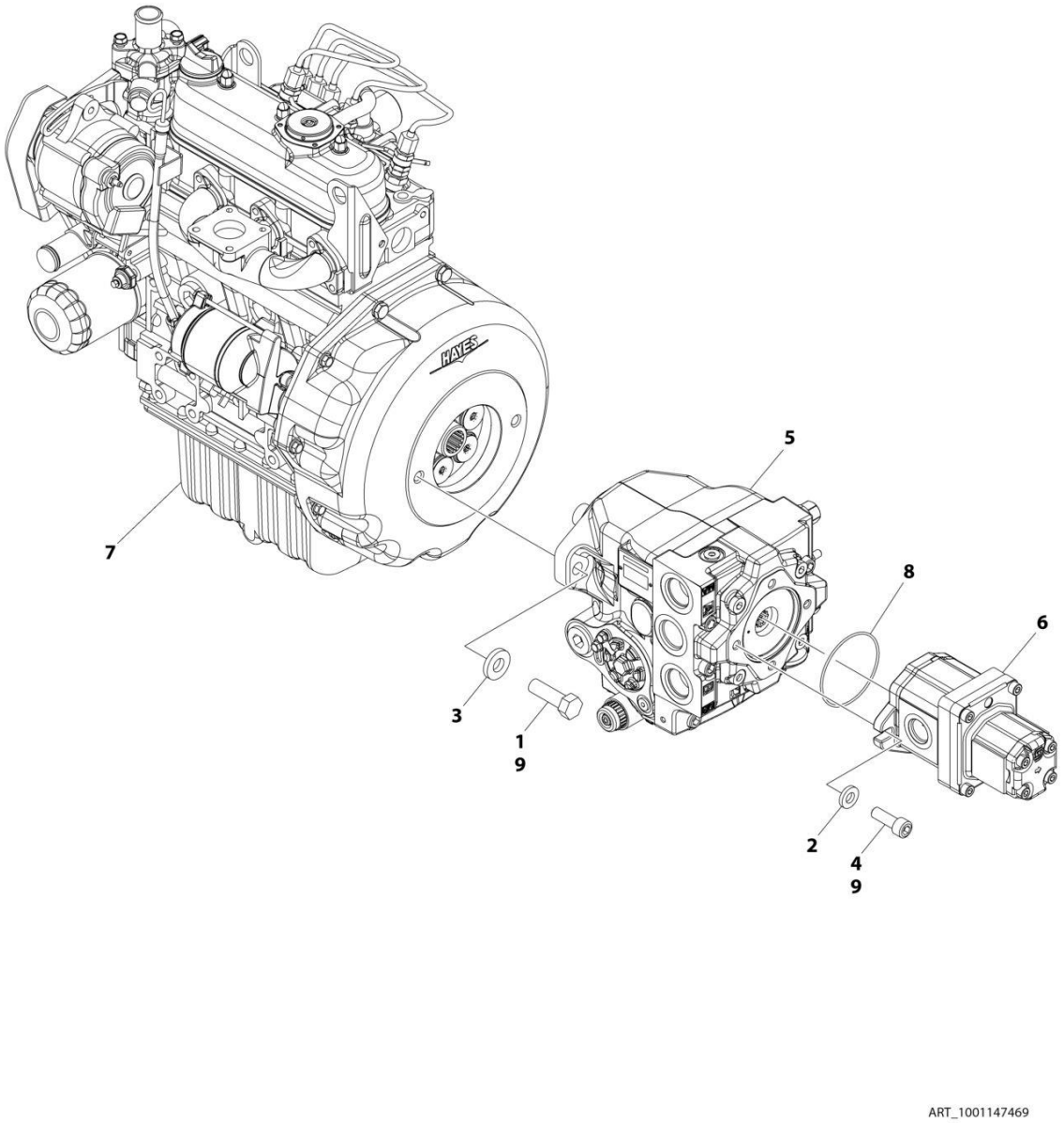


FIGURE 3-12. KUBOTA ENGINE WITH 4000W GENERATOR AND PUMP SUB-ASSEMBLY (SN 0300200802 through 0300253888)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001147469	Ref	KUBOTA ENGINE WITH 4000W GENERATOR AND PUMP SUB-ASSEMBLY	C
1	0641813	2	Bolt 1/2 x 1-5/8	
2	4891600	2	Washer 3/8	
3	4891800	2	Washer 1/2	
4	83191040	2	Capscrew M10 x 30	
5	1001117028	1	Axial Pump Assembly (See AXIAL PUMP ASSEMBLY for Breakdown)	
6	1001117029	1	Gear Pump Assembly (See GEAR PUMP ASSEMBLY for Breakdown)	
7	1001147468	NLA	Kubota Engine Assembly with 4000W Generator (Use p/n 1001238002) (See KUBOTA ENGINE ASSEMBLY WITH 4000W GENERATOR for Breakdown)	
8	3790152	1	O-Ring	
9	0100011	AR	Compound, Locking	

FIGURE 3-13. KUBOTA ENGINE WITH 4000W GENERATOR AND PUMP SUB-ASSEMBLY (SN 0300253888 through 0300272222)

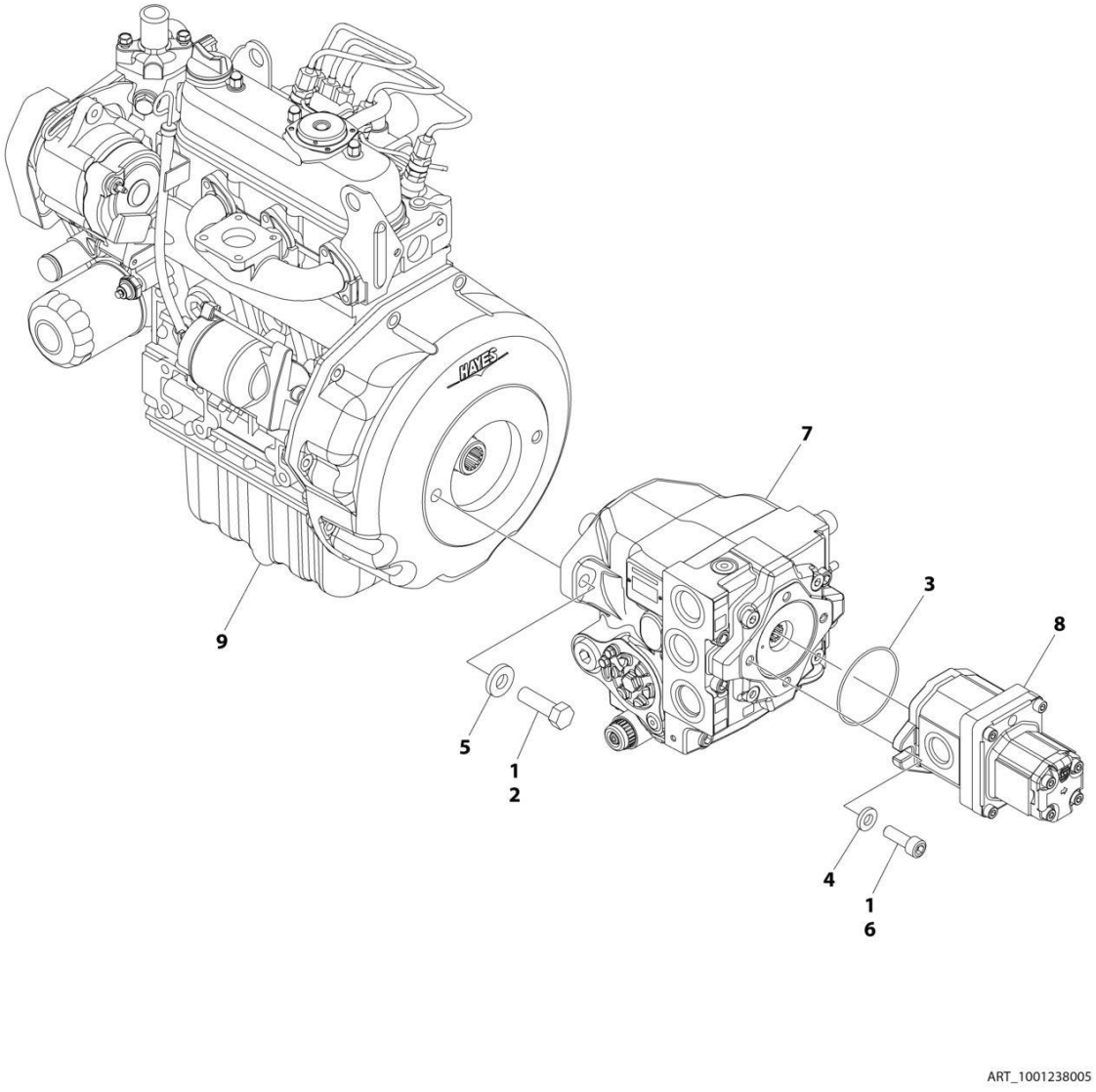
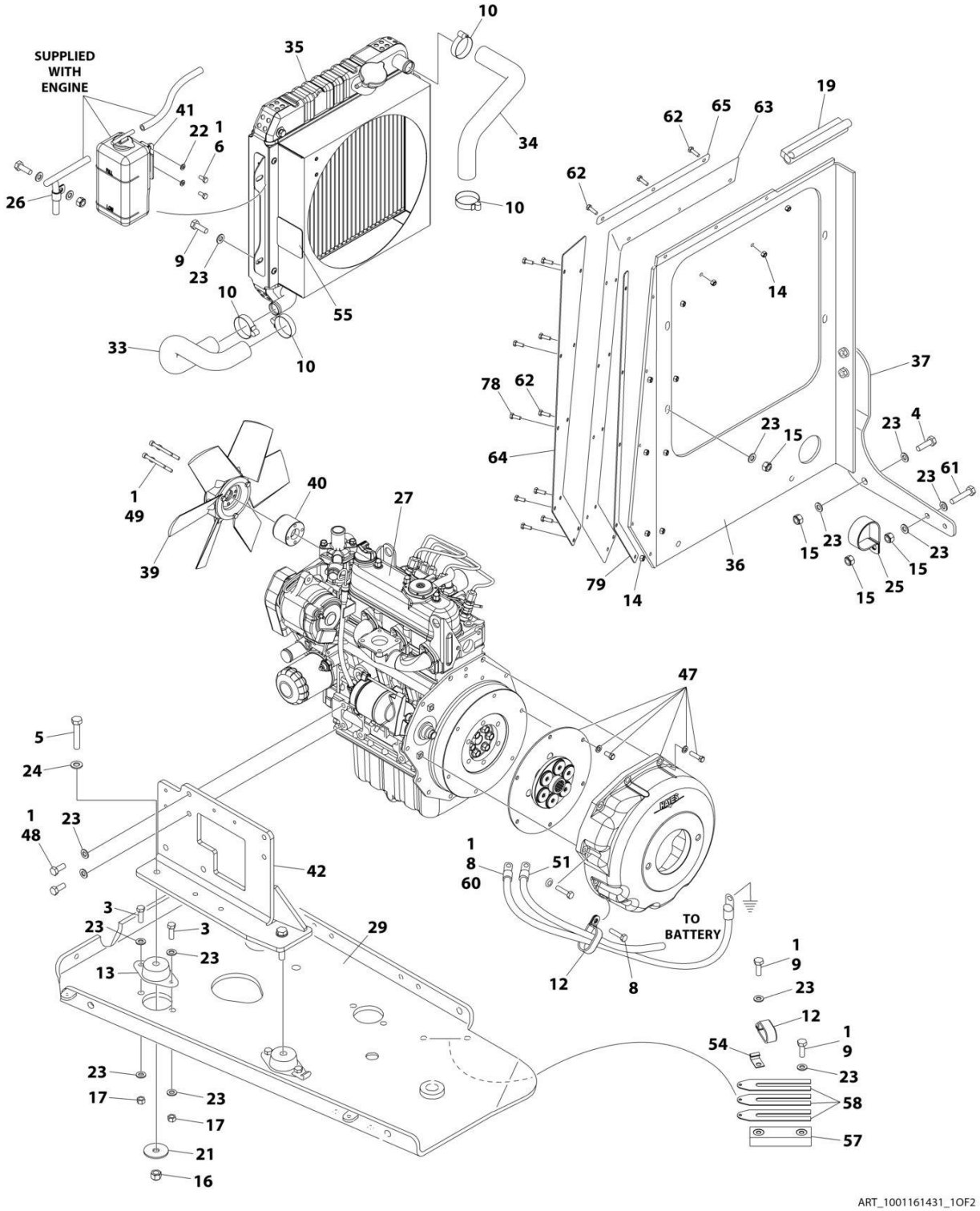


FIGURE 3-13. KUBOTA ENGINE WITH 4000W GENERATOR AND PUMP SUB-ASSEMBLY (SN 0300253888 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238005	Ref	KUBOTA ENGINE WITH 4000W GENERATOR AND PUMP SUB-ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0641813	2	Bolt 1/2 x 1-5/8	
3	3790152	1	O-Ring	
4	4891600	2	Washer 3/8	
5	4891800	2	Washer 1/2	
6	83191040	2	Capscrew M10 x 30	
7	1001117028	1	Axial Pump Assembly (See Separate Breakdown in this Section)	
8	1001117029	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
9	1001238002	1	Kubota Engine Assembly with 4000W Generator (Use p/n 1001238002) (See Separate Breakdown in this Section)	

FIGURE 3-14. KUBOTA ENGINE ASSEMBLY (SN 0300200802 through 0300253888)



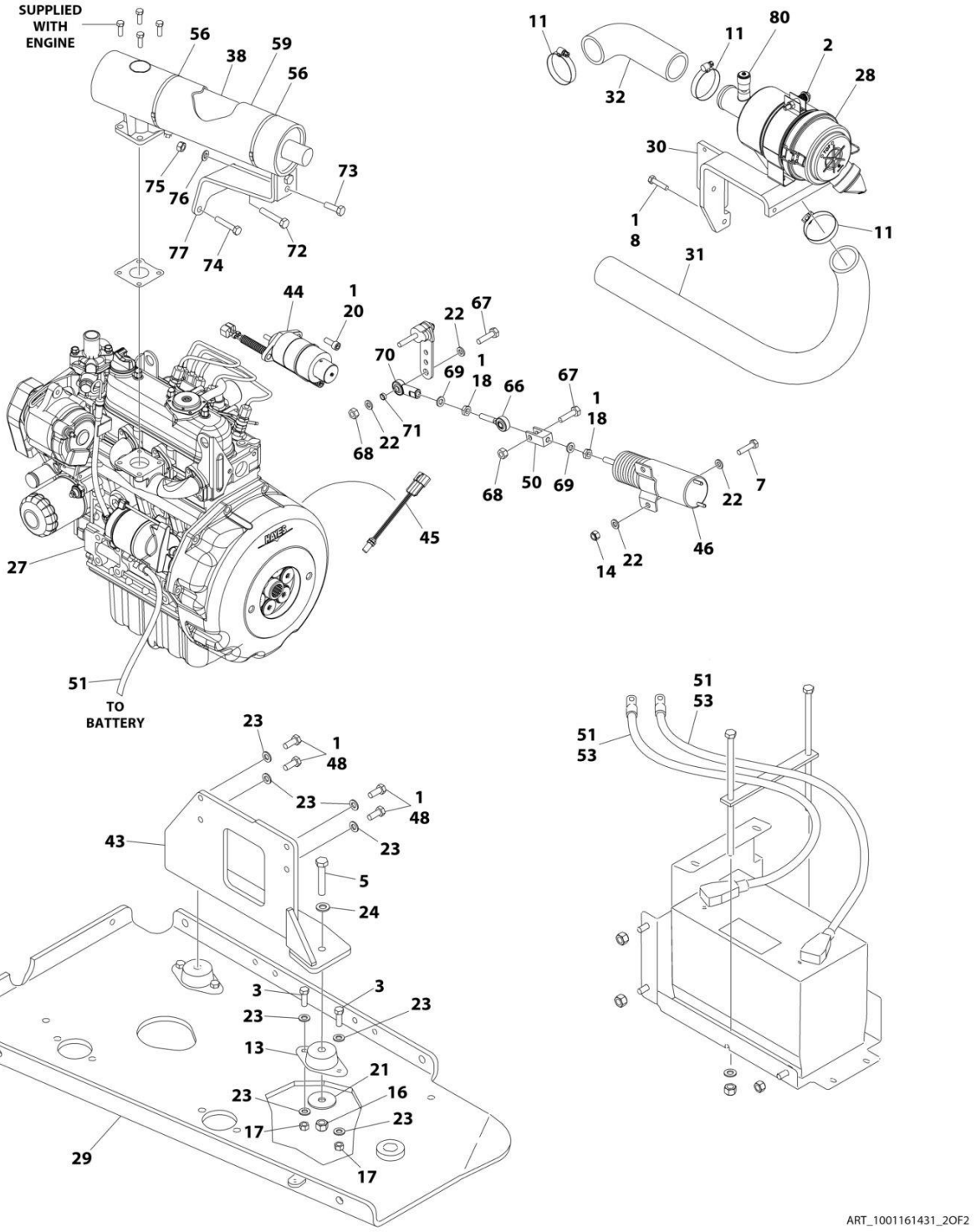
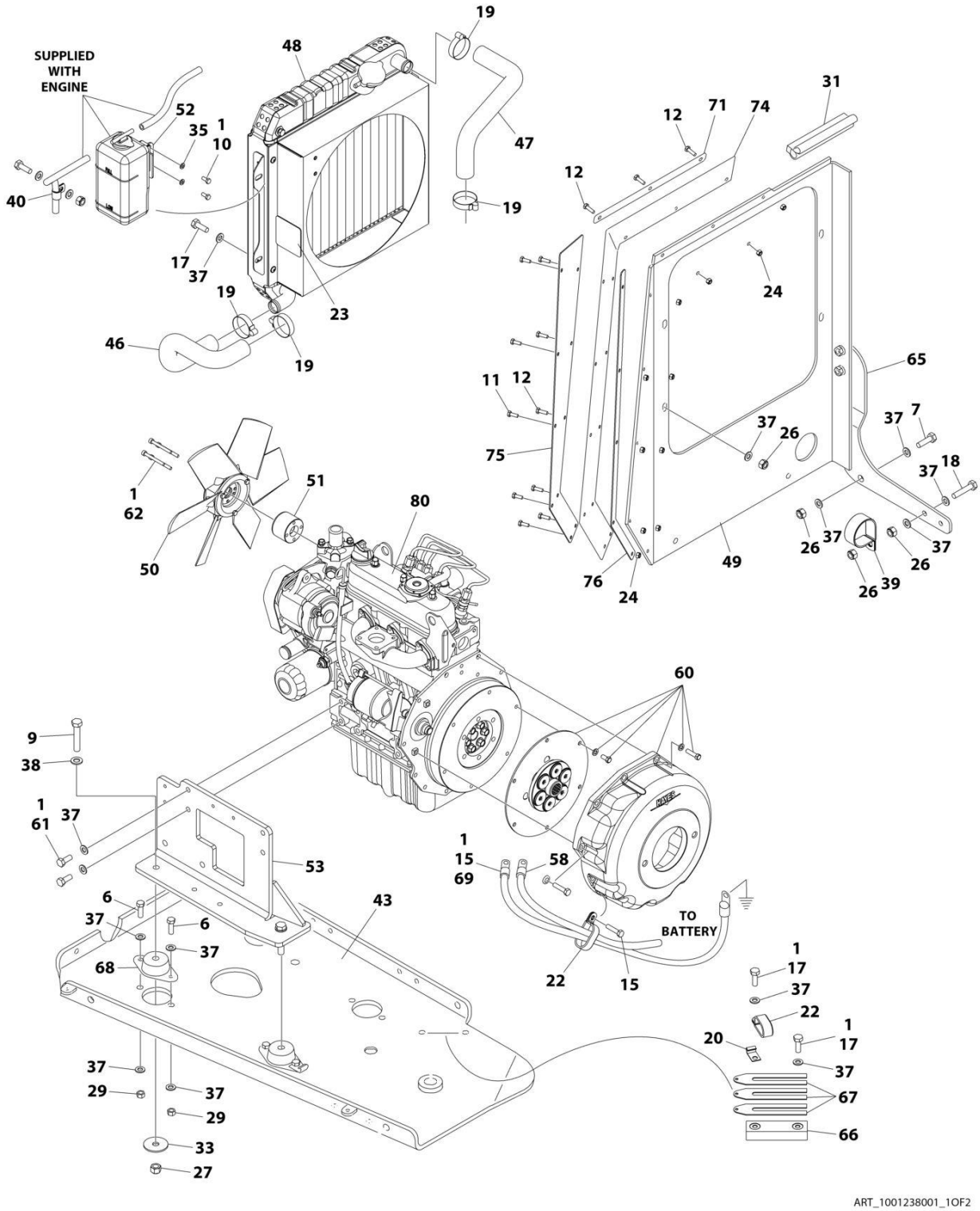

SUPPLIED WITH ENGINE
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38
59
56
75
76
73
77
74
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44
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67
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69
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18
66
67
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TO BATTERY
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ART_1001161431_2OF2

FIGURE 3-14. KUBOTA ENGINE ASSEMBLY (SN 0300200802 through 0300253888)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161431	Ref	KUBOTA ENGINE ASSEMBLY	F
1	0100011	AR	Compound, Locking	
2	0340045	1	Band, Mounting	
3	0641609	8	Bolt 3/8 x 1-1/8	
4	0701015	6	Bolt M10 x 35	
5	0701221	4	Bolt M12 x 65	
6	0760607	2	Bolt M6 x 14	
7	0760612	4	Bolt M6 x 25	
8	0760815	3	Bolt M8 x 35	
9	0761014	6	Bolt M10 x 30	
10	1320012	4	Clamp	
11	1321682	3	Clamp	
12	1321716	2	Clamp	
13	1001120307	4	Mount, Motor	
14	3290605	17	Nut M6	
15	3291005	12	Nut M10	
16	3291205	4	Nut M12	
17	3311605	8	Nut 3/8	
18	3321402	2	Nut 1/4	
19	3960464	6.5 in /17cm	Seal	
20	4031707	2	Capscrew M6 x 16	
21	4740274	4	Washer	
22	4811700	12	Washer M6	
23	4812000	48	Washer M10	
24	4812100	4	Washer M12	
25	80673025	1	P-Clamp	
26	85941016	1	Clamp	
27	1001157966	NLA	Kubota Engine Components (Use p/n 1001237999) (See KUBOTA ENGINE COMPONENTS for Breakdown)	
28	1001118280	1	Air Filter Assembly	A
28	7015004	1	Element, Air Filter	
28	1340069	1	Valve, Vacuum	
28	7015005	1	Cover	
29	1001118453	1	Tray, Engine	
30	1001128214	1	Bracket, Air Filter	
31	1001118527	1	Hose, Air Intake	
32	1001118528	1	Hose, Air Intake	
33	1001118529	1	Hose, Lower Radiator	
34	1001118530	1	Hose, Upper Radiator	
35	1001118531	1	Radiator	
35	70002899	1	Cap, Radiator	
36	1001118532	1	Mount, Radiator	
37	1001119698	1	Gusset, Radiator	
38		Ref	Muffler Options:	
38	1001118547	NLA	Standard (Use p/n 1001151187)	
38	1001120007	NLA	Catalytic (Use p/n 1001151188)	
39	1001118538	1	Fan	
40	1001118539	1	Spacer, Fan	
41	1001118540	1	Bracket, Coolant Overflow Tank	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001118542	1	Plate, LH Front Engine	
43	1001118543	1	Plate, RH Front Engine	
44	1001118579	1	Actuator, Kubota Governor	
44	7023134	1	Gasket, Mounting	
45	1001118580	1	Sensor, Speed	
46	1001118582	1	Actuator, Kubota Throttle	
47	1001118675	1	Flywheel Housing/Coupling Kit	
47	See Note	NSS	Coupling Assembly (Note: Use p/n 1001118675)	
47	See Note	NSS	Housing (Note: Use p/n 1001118675)	
47	See Note	NSS	Bolt Kit (Note: Use p/n 1001118675)	
48	1001118746	8	Bolt M10 x 25	
49	1001118878	4	Bolt M6 x 55	
50	1001118881	1	Clevis, Actuator	
51	1001118594	1	Battery Cable Kit	
51	4461231	1	Battery Terminal and Red Cover Only (No Cable)	
51	4461232	1	Battery Terminal and Black Cover Only (No Cable)	
52	1001118638	1	Harness, Engine (Not Shown - See ELECTRICAL SECTION for Breakdown)	
53	0100048	AR	Grease, Dielectric	
54	1320223	2	J-Clip	
55	1703162	2	Decal - Fan Blade	
56	1001100825	2	Strap	
57	1001120087	1	Pad, Wear	
58	1001120090	3	Shim	
59	1001121531	1	Insulation, Muffler	
60	1001120450	1	Cable, Ground	
61	0761018	1	Bolt M10 x 50	
62	0760610	8	Bolt M6 x 20	
63	1001147365	1	Seal, Radiator Hood	
64	1001147642	1	Plate, Seal Support	
65	1001123018	1	Plate, Seal Support	
66	0440334	1	End, Rod with Bearing	
67	0641408	2	Bolt 1/4 x 1	
68	3311405	2	Nut 1/4	
69	4761400	2	Washer 1/4	
70	1001118925	1	End, Rod with Bearing	
71	1001128888	1	Spacer	
72	0701017	1	Bolt M10 x 45	
73	0760812	2	Bolt M8 x 25	
74	0760817	1	Bolt M8 x 45	
75	3290807	2	Nut M8 x 1.25	
76	4811900	2	Washer M8	
77	1001149379	1	Bracket	
78	0760608	5	Bolt M6 x 1.25	
79	1001147643	1	Plate, Seal Support	
80	1001170981	1	Indicator, Air Intake Restriction **(SN 0300236110 through 0300253887)**	

FIGURE 3-15. KUBOTA ENGINE ASSEMBLY (SN 0300253888 through 0300272222)



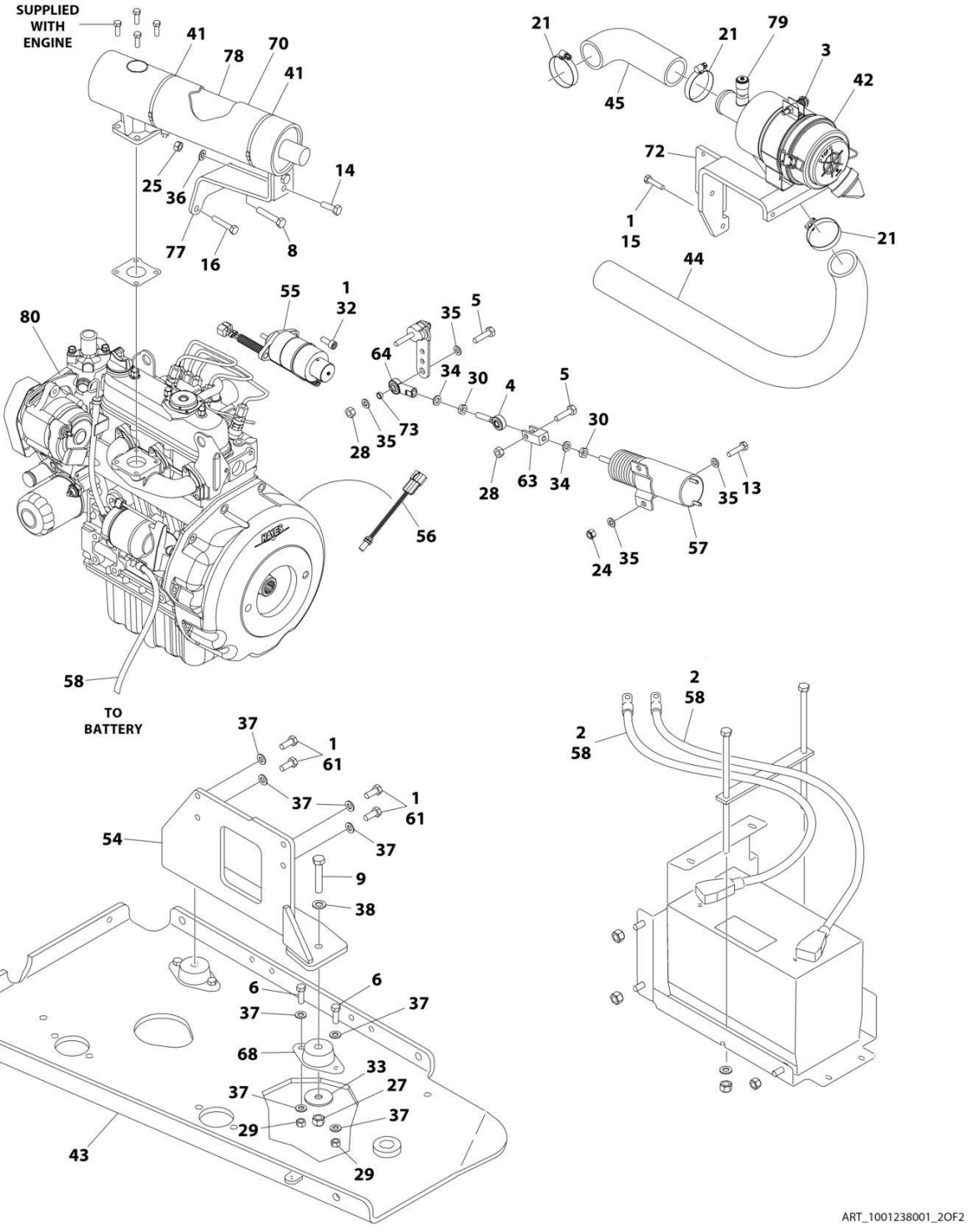
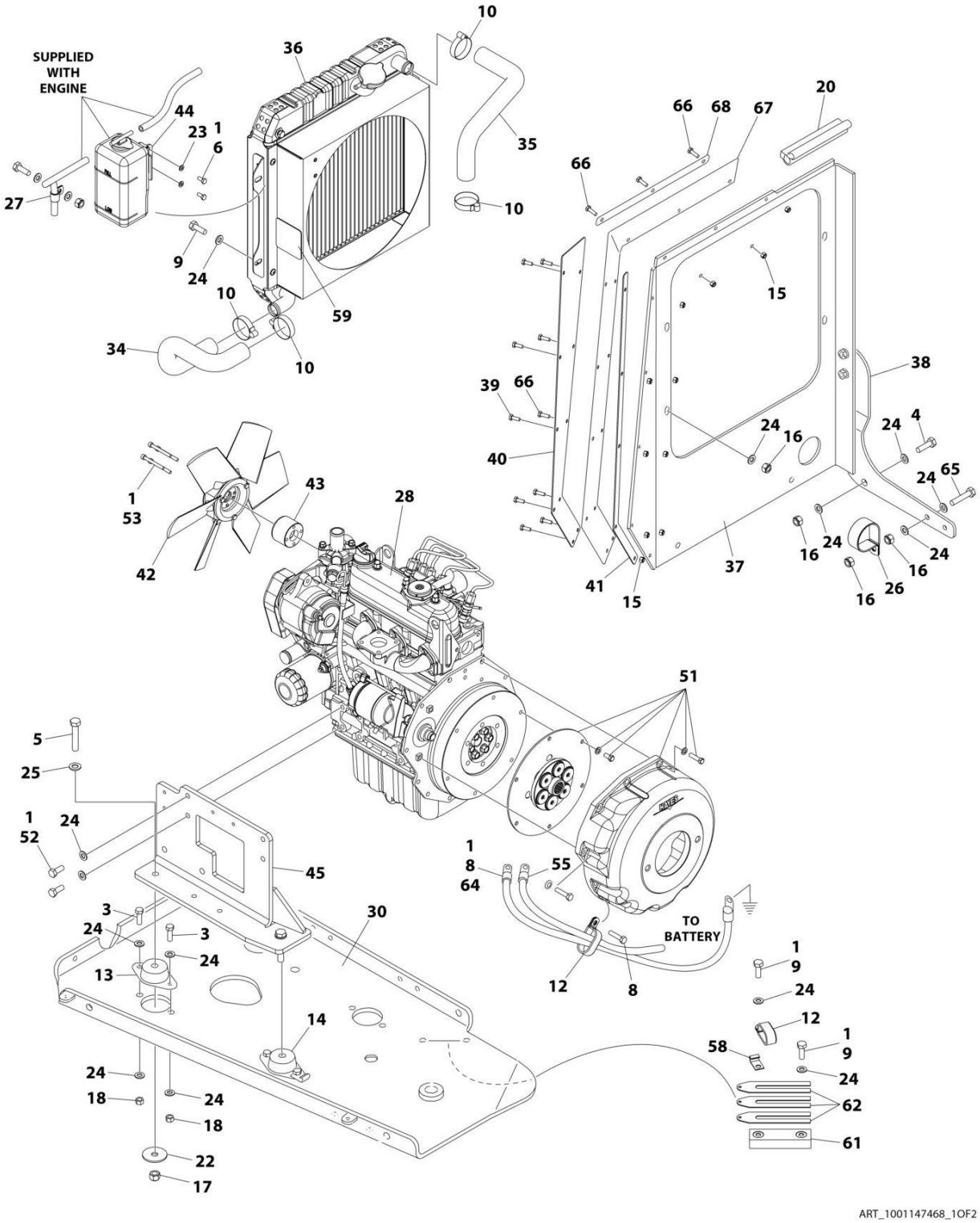

SUPPLIED WITH ENGINE
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70
41
25
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14
77
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55
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80
64
35
5
34
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4
5
30
73
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28
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34
35
13
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24
35
58
TO BATTERY
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37
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61
54
37
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38
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68
33
37
27
37
29
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21
21
79
3
42
45
72
1
15
21
44
2
58
2
58
ART_1001238001_2OF2

FIGURE 3-15. KUBOTA ENGINE ASSEMBLY (SN 0300253888 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238001	Ref	KUBOTA ENGINE ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0340045	1	Band, Mounting	
4	0440334	1	End, Rod with Bearing	
5	0641408	2	Bolt 1/4 x 1	
6	0641609	8	Bolt 3/8 x 1-1/8	
7	0701015	6	Bolt M10 x 35	
8	0701017	1	Bolt M10 x 45	
9	0701221	4	Bolt M12 x 65	
10	0760607	2	Bolt M6 x 14	
11	0760608	5	Bolt M6 x 1.25	
12	0760610	8	Bolt M6 x 20	
13	0760612	4	Bolt M6 x 25	
14	0760812	2	Bolt M8 x 25	
15	0760815	3	Bolt M8 x 35	
16	0760817	1	Bolt M8 x 45	
17	0761014	6	Bolt M10 x 30	
18	0761018	1	Bolt M10 x 50	
19	1320012	4	Clamp	
20	1320223	2	J-Clip	
21	1321682	3	Clamp	
22	1321716	2	Clamp	
23	1703162	2	Decal - Fan Blade	
24	3290605	17	Nut M6	
25	3290807	2	Nut M8 x 1.25	
26	3291005	12	Nut M10	
27	3291205	4	Nut M12	
28	3311405	2	Nut 1/4	
29	3311605	8	Nut 3/8	
30	3321402	2	Nut 1/4	
31	3960464	6.5 in /17cm	Seal	
32	4031707	2	Capscrew M6 x 16	
33	4740274	4	Washer	
34	4761400	2	Washer 1/4	
35	4811700	12	Washer M6	
36	4811900	2	Washer M8	
37	4812000	48	Washer M10	
38	4812100	4	Washer M12	
39	80673025	1	P-Clamp	
40	85941016	1	Clamp	
41	1001100825	2	Strap	
42	1001118280	1	Air Filter Assembly	A
42	7015004	1	Element, Air Filter	
42	1340069	1	Valve, Vacuum	
42	7015005	1	Cover	
43	1001118453	1	Tray, Engine	
44	1001118527	1	Hose, Air Intake	
45	1001118528	1	Hose, Air Intake	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001118529	1	Hose, Lower Radiator	
47	1001118530	1	Hose, Upper Radiator	
48	1001118531	1	Radiator	
48	70002899	1	Cap, Radiator	
49	1001118532	1	Mount, Radiator	
50	1001118538	1	Fan	
51	1001118539	1	Spacer, Fan	
52	1001118540	1	Bracket, Coolant Overflow Tank	
53	1001118542	1	Plate, LH Front Engine	
54	1001118543	1	Plate, RH Front Engine	
55	1001118579	1	Actuator, Kubota Governor	
55	7023134	1	Gasket, Mounting	
56	1001118580	1	Sensor, Speed	
57	1001118582	1	Actuator, Kubota Throttle	
58	1001118594	1	Battery Cable Kit	
58	4461231	1	Battery Terminal and Red Cover Only (No Cable)	
58	4461232	1	Battery Terminal and Black Cover Only (No Cable)	
59	1001118638	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
60	1001118675	1	Flywheel Housing/Coupling Kit	
60	See Note	NSS	Coupling Assembly (Note: Use p/n 1001118675)	
60	See Note	NSS	Housing (Note: Use p/n 1001118675)	
60	See Note	NSS	Bolt Kit (Note: Use p/n 1001118675)	
61	1001118746	8	Bolt M10 x 25	
62	1001118878	4	Bolt M6 x 55	
63	1001118881	1	Clevis, Actuator	
64	1001118925	1	End, Rod with Bearing	
65	1001119698	1	Gusset, Radiator	
66	1001120087	1	Pad, Wear	
67	1001120090	3	Shim	
68	1001120307	4	Mount, Motor	
69	1001120450	1	Cable, Ground	
70	1001121531	1	Insulation, Muffler	
71	1001123018	1	Plate, Seal Support	
72	1001128214	1	Bracket, Air Filter	
73	1001128888	1	Spacer	
74	1001147365	1	Seal, Radiator Hood	
75	1001147642	1	Plate, Seal Support	
76	1001147643	1	Plate, Seal Support	
77	1001149379	1	Bracket	
78		Ref	Muffler Options:	
78	1001118547	NLA	Standard (Use p/n 1001151187)	
78	1001120007	NLA	Catalytic (Use p/n 1001151188)	
79	1001170981	1	Indicator, Air Intake Restriction	
80	1001237999	1	Kubota Engine Components (See Separate Breakdown in this Section)	

FIGURE 3-16. KUBOTA ENGINE ASSEMBLY WITH 4000W GENERATOR (SN 0300200802 through 0300253888)



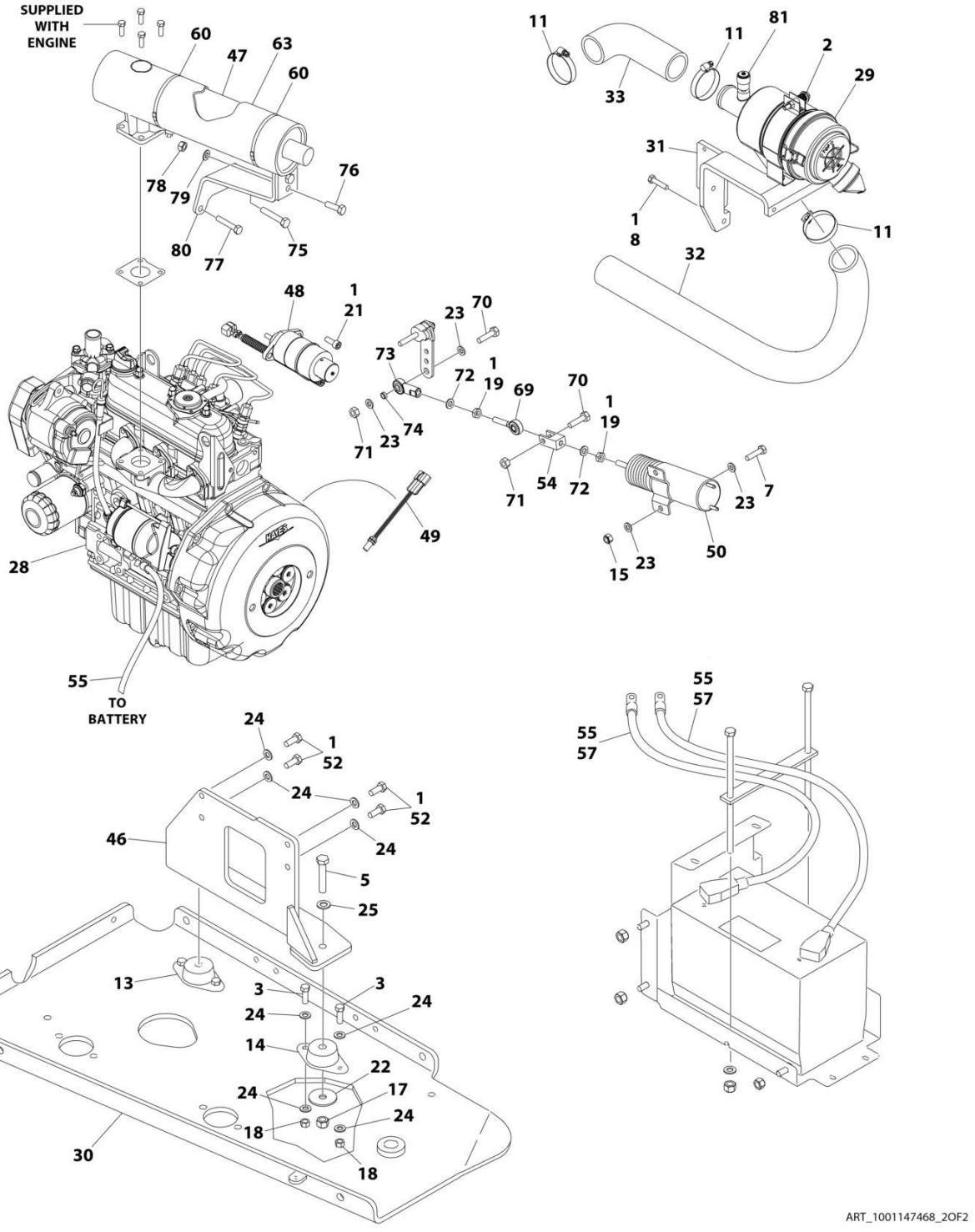
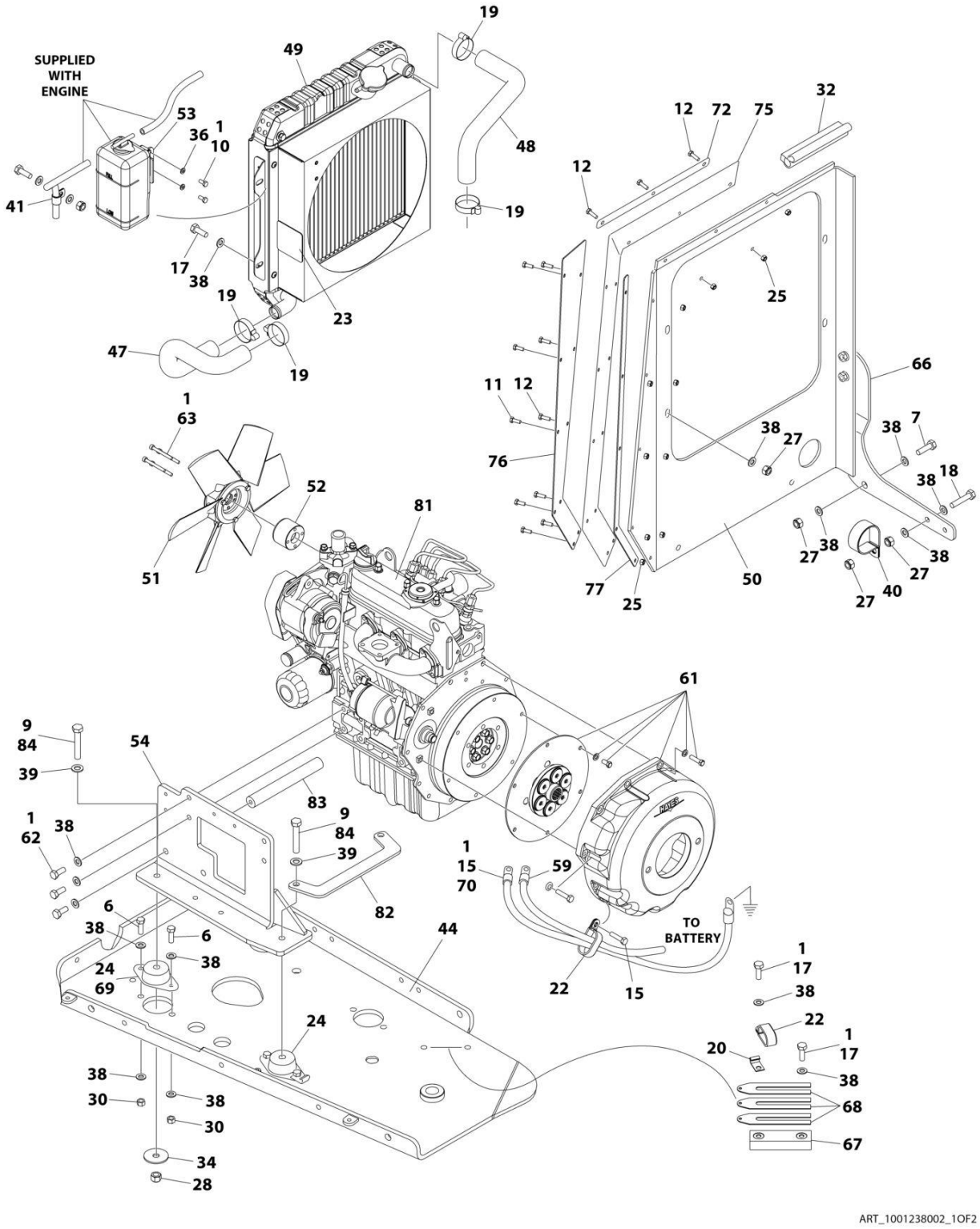

SUPPLIED WITH ENGINE
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63
60
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79
76
80
77
75
48
1
21
28
55
TO BATTERY
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31
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ART_1001147468_2OF2

FIGURE 3-16. KUBOTA ENGINE ASSEMBLY WITH 4000W GENERATOR (SN 0300200802 through 0300253888)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001147468	Ref	KUBOTA ENGINE ASSEMBLY WITH 4000W GENERATOR	E
1	0100011	AR	Compound, Locking	
2	0340045	1	Band, Mounting	
3	0641609	8	Bolt 3/8 x 1-1/8	
4	0701015	6	Bolt M10 x 35	
5	0701221	4	Bolt M12 x 65	
6	0760607	2	Bolt M6 x 14	
7	0760612	4	Bolt M6 x 25	
8	0760815	3	Bolt M8 x 35	
9	0761014	6	Bolt M10 x 30	
10	1320012	4	Clamp	
11	1321682	3	Clamp	
12	1321716	2	Clamp	
13	1001120307	2	Mount, Motor	
14	3200425	2	Mount, Motor	
15	3290605	17	Nut M6	
16	3291005	12	Nut M10	
17	3291205	4	Nut M12	
18	3311605	8	Nut 3/8	
19	3321402	2	Nut 1/4	
20	3960464	6.5 in /17cm	Seal	
21	4031707	2	Capscrew M6 x 16	
22	4740274	4	Washer	
23	4811700	12	Washer M6	
24	4812000	48	Washer M10	
25	4812100	4	Washer M12	
26	80673025	1	P-Clamp	
27	85941016	1	Clamp	
28	1001157966	NLA	Kubota Engine Components (Use p/n 1001237999) (See KUBOTA ENGINE COMPONENTS for Breakdown)	
29	1001118280	1	Air Filter Assembly	A
29	7015004	1	Element, Air Filter	
29	1340069	1	Valve, Vacuum	
29	7015005	1	Cover	
30	1001118453	1	Tray, Engine	
31	1001128214	1	Bracket, Air Filter	
32	1001118527	1	Hose, Air Intake	
33	1001118528	1	Hose, Air Intake	
34	1001118529	1	Hose, Lower Radiator	
35	1001118530	1	Hose, Upper Radiator	
36	1001118531	1	Radiator	
36	70002899	1	Cap, Radiator	
37	1001118532	1	Mount, Radiator	
38	1001119698	1	Gusset, Radiator	
39	0760608	5	Bolt M6 x 1.25	
40	1001147642	1	Plate, Seal Support	
41	1001147643	1	Plate, Seal Support	
42	1001118538	1	Fan	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001118539	1	Spacer, Fan	
44	1001118540	1	Bracket, Coolant Overflow Tank	
45	1001118542	1	Plate, LH Front Engine	
46	1001118543	1	Plate, RH Front Engine	
47		Ref	Muffler Options:	
47	1001118547	NLA	Standard (Use p/n 1001151187)	
47	1001120007	NLA	Catalytic (Use p/n 1001151188)	
48	1001118579	1	Actuator, Kubota Governor	
48	7023134	1	Gasket, Mounting	
49	1001118580	1	Sensor, Speed	
50	1001118582	1	Actuator, Kubota Throttle	
51	1001118675	1	Flywheel Housing/Coupling Kit	
51	See Note	NSS	Coupling Assembly (Note: Use p/n 1001118675)	
51	See Note	NSS	Housing (Note: Use p/n 1001118675)	
51	See Note	NSS	Bolt Kit (Note: Use p/n 1001118675)	
52	1001118746	8	Bolt M10 x 25	
53	1001118878	4	Bolt M6 x 55	
54	1001118881	1	Clevis, Actuator	
55	1001118594	1	Battery Cable Kit	
55	4461231	1	Battery Terminal and Red Cover Only (No Cable)	
55	4461232	1	Battery Terminal and Black Cover Only (No Cable)	
56	1001118638	1	Harness, Engine (Not Shown - See ELECTRICAL SECTION for Breakdown)	
57	0100048	AR	Grease, Dielectric	
58	1320223	2	J-Clip	
59	1703162	2	Decal - Fan Blade	
60	1001100825	2	Strap	
61	1001120087	1	Pad, Wear	
62	1001120090	3	Shim	
63	1001121531	1	Insulation, Muffler	
64	1001120450	1	Cable, Ground	
65	0761018	1	Bolt M10 x 50	
66	0760610	8	Bolt M6 x 20	
67	1001147365	1	Seal, Radiator Hood	
68	1001123018	1	Plate, Seal Support	
69	0440334	1	End, Rod with Bearing	
70	0641408	2	Bolt 1/4 x 1	
71	3311405	2	Nut 1/4	
72	4761400	2	Washer 1/4	
73	1001118925	1	End, Rod with Bearing	
74	1001128888	1	Spacer	
75	0701017	1	Bolt M10 x 45	
76	0760812	2	Bolt M8 x 25	
77	0760817	1	Bolt M8 x 45	
78	3290807	2	Nut M8 x 1.25	
79	4811900	2	Washer M8	
80	1001149379	1	Bracket	
81	1001170981	1	Indicator, Air Intake Restriction **(SN 0300236110 through 0300253887)**	

FIGURE 3-17. KUBOTA ENGINE ASSEMBLY WITH 4000W GENERATOR (SN 0300253888 through 0300272222)



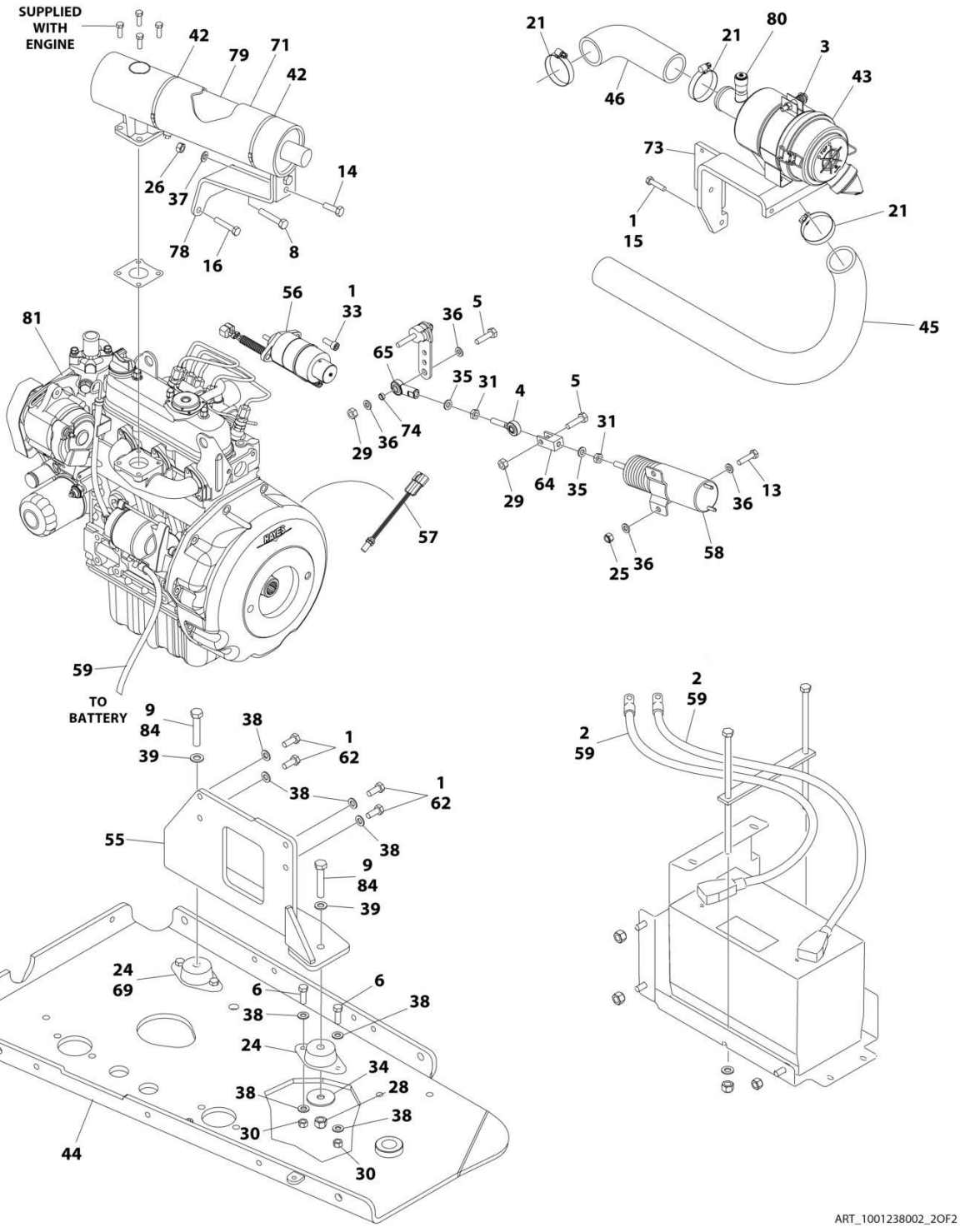

SUPPLIED WITH ENGINE
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FIGURE 3-17. KUBOTA ENGINE ASSEMBLY WITH 4000W GENERATOR (SN 0300253888 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238002	Ref	KUBOTA ENGINE ASSEMBLY WITH 4000W GENERATOR	B
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0340045	1	Band, Mounting	
4	0440334	1	End, Rod with Bearing	
5	0641408	2	Bolt 1/4 x 1	
6	0641609	8	Bolt 3/8 x 1-1/8	
7	0701015	6	Bolt M10 x 35	
8	0701017	1	Bolt M10 x 45	
9	0701221	AR	Bolt M12 x 65	
10	0760607	2	Bolt M6 x 14	
11	0760608	5	Bolt M6 x 1.25	
12	0760610	8	Bolt M6 x 20	
13	0760612	4	Bolt M6 x 25	
14	0760812	2	Bolt M8 x 25	
15	0760815	3	Bolt M8 x 35	
16	0760817	1	Bolt M8 x 45	
17	0761014	6	Bolt M10 x 30	
18	0761018	1	Bolt M10 x 50	
19	1320012	4	Clamp	
20	1320223	2	J-Clip	
21	1321682	3	Clamp	
22	1321716	2	Clamp	
23	1703162	2	Decal - Fan Blade	
24	3200425	2	Mount, Motor **(SN 0300253888 through 0300263923)**	
24	3200378	4	Mount, Motor **(SN 0300263924 through 0300272222)**	
25	3290605	17	Nut M6	
26	3290807	2	Nut M8 x 1.25	
27	3291005	12	Nut M10	
28	3291205	4	Nut M12	
29	3311405	2	Nut 1/4	
30	3311605	8	Nut 3/8	
31	3321402	2	Nut 1/4	
32	3960464	6.5 in /17cm	Seal	
33	4031707	2	Capscrew M6 x 16	
34	4740274	4	Washer	
35	4761400	2	Washer 1/4	
36	4811700	12	Washer M6	
37	4811900	2	Washer M8	
38	4812000	AR	Washer M10	
39	4812100	4	Washer M12	
40	80673025	1	P-Clamp	
41	85941016	1	Clamp	
42	1001100825	2	Strap	
43	1001118280	1	Air Filter Assembly	A
43	7015004	1	Element, Air Filter	
43	1340069	1	Valve, Vacuum	
43	7015005	1	Cover	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001118453	1	Tray, Engine	
45	1001118527	1	Hose, Air Intake	
46	1001118528	1	Hose, Air Intake	
47	1001118529	1	Hose, Lower Radiator	
48	1001118530	1	Hose, Upper Radiator	
49	1001118531	1	Radiator	
49	70002899	1	Cap, Radiator	
50	1001118532	1	Mount, Radiator	
51	1001118538	1	Fan	
52	1001118539	1	Spacer, Fan	
53	1001118540	1	Bracket, Coolant Overflow Tank	
54	1001118542	1	Plate, LH Front Engine	
55	1001118543	1	Plate, RH Front Engine	
56	1001118579	1	Actuator, Kubota Governor	
56	7023134	1	Gasket, Mounting	
57	1001118580	1	Sensor, Speed	
58	1001118582	1	Actuator, Kubota Throttle	
59	1001118594	1	Battery Cable Kit	
59	4461231	1	Battery Terminal and Red Cover Only (No Cable)	
59	4461232	1	Battery Terminal and Black Cover Only (No Cable)	
60	1001118638	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
61	1001118675	1	Flywheel Housing/Coupling Kit	
61	See Note	NSS	Coupling Assembly (Note: Use p/n 1001118675)	
61	See Note	NSS	Housing (Note: Use p/n 1001118675)	
61	See Note	NSS	Bolt Kit (Note: Use p/n 1001118675)	
62	1001118746	AR	Bolt M10 x 25	
63	1001118878	4	Bolt M6 x 55	
64	1001118881	1	Clevis, Actuator	
65	1001118925	1	End, Rod with Bearing	
66	1001119698	1	Gusset, Radiator	
67	1001120087	1	Pad, Wear	
68	1001120090	3	Shim	
69	1001120307	2	Mount, Motor **(SN 0300253888 through 0300263923)**	
70	1001120450	1	Cable, Ground	
71	1001121531	1	Insulation, Muffler	
72	1001123018	1	Plate, Seal Support	
73	1001128214	1	Bracket, Air Filter	
74	1001128888	1	Spacer	
75	1001147365	1	Seal, Radiator Hood	
76	1001147642	1	Plate, Seal Support	
77	1001147643	1	Plate, Seal Support	
78	1001149379	1	Bracket	
79		Ref	Muffler Options:	
79	1001118547	NLA	Standard (Use p/n 1001151187)	
79	1001120007	NLA	Catalytic (Use p/n 1001151188)	
80	1001170981	1	Indicator, Air Intake Restriction	
81	1001237999	1	Kubota Engine Components (See Separate Breakdown in this Section)	
82	1001243034	1	Brace	
83	1001243035	1	Brace	
84	0701222	AR	Bolt M12 x 70	

FIGURE 3-18. KUBOTA ENGINE COMPONENTS (SN 0300200802 through 0300253888)

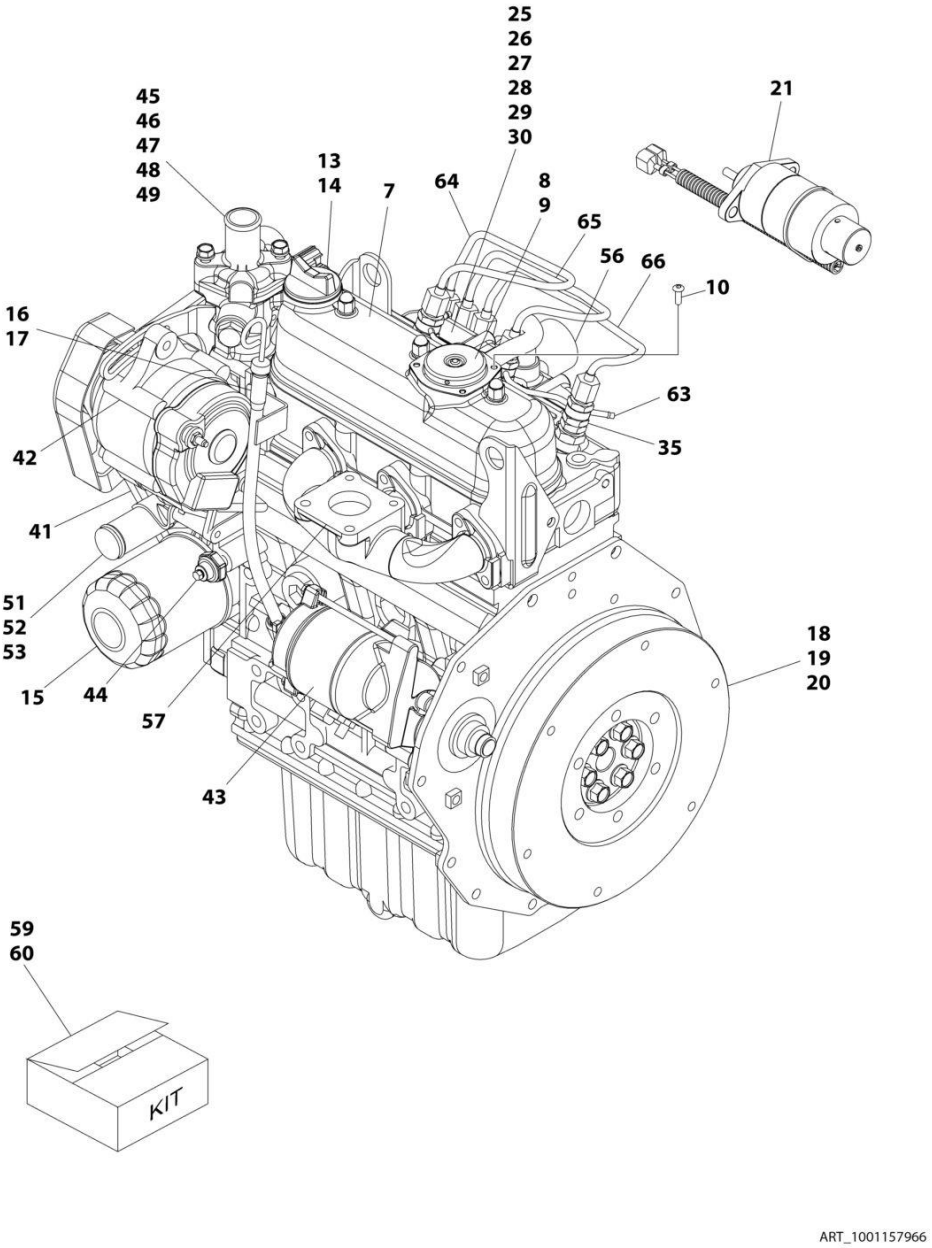


FIGURE 3-18. KUBOTA ENGINE COMPONENTS (SN 0300200802 through 0300253888)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157966	Ref	KUBOTA ENGINE COMPONENTS	B
1	7017954	22	Bolt, Oil Pan (Not Shown)	
2	7023154	1	Plug, Drain (Not Shown)	
3	70002315	1	Gasket, Oil Pan (Not Shown)	
4	7017911	14	Bolt, Cylinder Head (Not Shown)	
5	7023156	1	Gasket, Gear Case (Not Shown)	
6	7023157	1	Seal, Oil (Not Shown)	
7	7023132	1	Gasket, Valve Cover	
8	70003060	1	Breather, Comp Valve	
9	70003061	1	Cover, Breather	
10	7017934	4	Screw, Pan Head	
11	70002316	1	Pipe, Water Return (Not Shown)	
12	70002317	1	Tube, Breather (Not Shown)	
13	70002318	1	Plug, Oil Fill	
14	70004311	1	O-Ring, Oil Fill Plug	
15	70004395	1	Filter, Oil	
16	7023160	1	Dipstick	
17	70003062	1	Tube, Dipstick	
18	70001934	1	Flywheel Assembly	
19	70001140	1	Gear, Ring	
20	70001935	6	Bolt, Flywheel	
21	7025479	NLA	Solenoid, Stop (Use p/n 1001118579)	
22	7017945	1	Joint, Eye (Not Shown)	
23	7023162	1	Tube, Fuel Assembly (Not Shown)	
24	7023163	1	Tube, Fuel (Not Shown)	
25	7023164	1	Pump, Fuel Injection	
26	70002319	1	Shim .175mm	
27	70002320	1	Shim .200mm	
28	70002321	1	Shim .250mm	
29	70002322	1	Shim .300mm	
30	70002323	1	Shim .350mm	
31	7023136	1	Spring, Governor (Not Shown)	
32	7023165	1	Gasket, Governor (Not Shown)	
33	70004396	1	Plate Assembly, Control (Not Shown)	
34	70004397	6	Gasket, Speed Control Plate (Not Shown)	
35	70004399	3	Nozzle Holder Kit	
35	7023167	3	Gasket, Glow Plug	
35	7023168	3	Seal	
37	70004398	3	Plug, Glow (Not Shown)	
37	70004544	3	Cord, Glow Plug (Not Shown)	
38	70004399	1	Kit, Nozzle Holder	
39	7023139	1	Fuel Pump Assembly	
40	70004400	1	Gasket, Fuel Pump	
41	7023141	1	V-Belt	
42	7017955	1	Alternator	
43	7023144	1	Starter	
44	7017901	1	Switch, Oil	
45	70003064	1	Sensor, Water Temperature	
46	70003063	1	Seal, Water Temperature Sensor	
47	7023145	1	Gasket, Water Flange	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	7023170	1	Thermostat	
49	70002326	1	Gasket, Thermostat Housing to Engine Block	
50	70002327	1	Pump, Water (Not Shown)	
51	70002328	1	Gasket, Water Pump	
52	7017963	1	Pipe, Water (Lower)	
53	70002330	1	Pipe, Water (Upper)	
54	4400498	1	Reserve Tank (Not Shown)	
55	70004401	1	Decal - Caution (Not Shown)	
56	7023149	1	Gasket, Air Intake Manifold	
57	7023148	1	Gasket, Exhaust Manifold to Engine Block	
58	7023124	1	Gasket, Exhaust Manifold to Muffler (Not Shown)	
59	70003066	1	Upper Gasket Kit (Includes Qty 1 Each of Cylinder Head, Valve Cover, Intake Manifold to Block, Exhaust Manifold to Block, Exhaust Manifold Gasket to Muffler, Thermostat Housing to Block, Thermostat Housing to Neck Gaskets and Fuel System Seals and O-Rings and Qty 6 Valve Stem Seals.)	
60	70003067	1	Lower Gasket Kit (Includes Qty 1 Each of Gear Case, Brg. Case, Gasket, Fuel Pump Gasket, Water Pump Gasket, Oil Pan Gasket, Oil Seal, O-Rings and Qty 6 Valve Stem Seals.)	
61	70004524	1	Valve, Drain (Not Shown)	
62	70005220	1	Gasket, Cylinder Head (Not Shown)	
63	70004536	1	Pipe, Over Flow	
63	70004537	1	Screw (Air Bleeder)	
63	70004538	1	Seal	
63	70004539	1	Pipe, Over Flow (Injector to Rail)	
64	70004541	1	Pipe, Injection	
65	70004542	1	Pipe, Injection	
66	70004543	1	Pipe, Injection	

FIGURE 3-19. KUBOTA ENGINE COMPONENTS (SN 0300253888 through 0300272222)

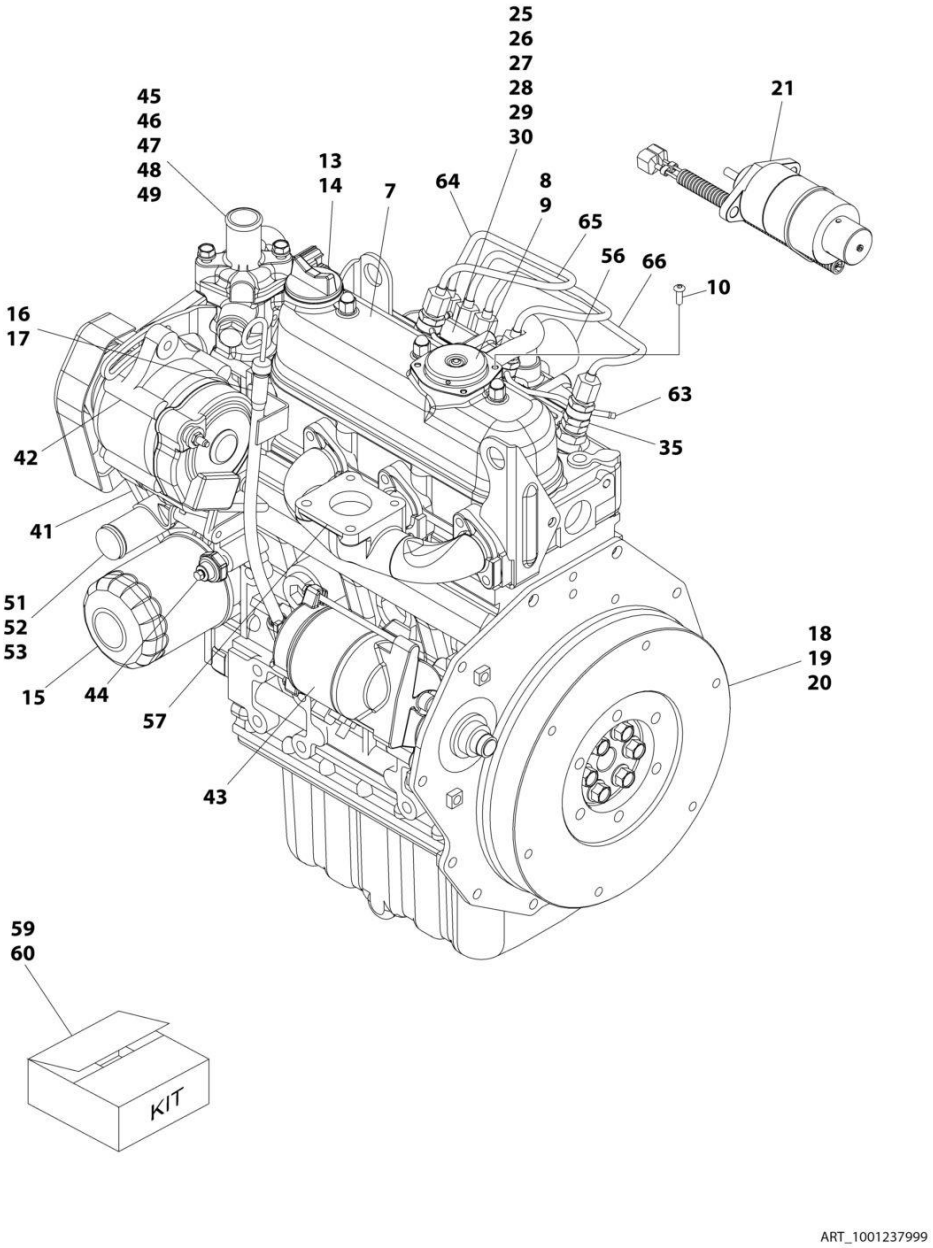


FIGURE 3-19. KUBOTA ENGINE COMPONENTS (SN 0300253888 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237999	Ref	KUBOTA ENGINE COMPONENTS	A
1	7017954	22	Bolt, Oil Pan (Not Shown)	
2	7023154	1	Plug, Drain (Not Shown)	
3	70002315	1	Gasket, Oil Pan (Not Shown)	
4	7017911	14	Bolt, Cylinder Head (Not Shown)	
5	7023156	1	Gasket, Gear Case (Not Shown)	
6	7023157	1	Seal, Oil (Not Shown)	
7	7023132	1	Gasket, Valve Cover	
8	70003060	1	Breather, Comp Valve	
9	70003061	1	Cover, Breather	
10	7017934	4	Screw, Pan Head	
11	70002316	1	Pipe, Water Return (Not Shown)	
12	70002317	1	Tube, Breather (Not Shown)	
13	70002318	1	Plug, Oil Fill	
14	70004311	1	O-Ring, Oil Fill Plug	
15	70004395	1	Filter, Oil	
16	7023160	1	Dipstick	
17	70003062	1	Tube, Dipstick	
18	70001934	1	Flywheel Assembly	
19	70001140	1	Gear, Ring	
20	70001935	6	Bolt, Flywheel	
21	7025479	NLA	Solenoid, Stop (Use p/n 1001118579)	
22	7017945	1	Joint, Eye (Not Shown)	
23	7023162	1	Tube, Fuel Assembly (Not Shown)	
24	7023163	1	Tube, Fuel (Not Shown)	
25	7023164	1	Pump, Fuel Injection	
26	70002319	1	Shim .175mm	
27	70002320	1	Shim .200mm	
28	70002321	1	Shim .250mm	
29	70002322	1	Shim .300mm	
30	70002323	1	Shim .350mm	
31	7023136	1	Spring, Governor (Not Shown)	
32	7023165	1	Gasket, Governor (Not Shown)	
33	70004396	1	Plate Assembly, Control (Not Shown)	
34	70004397	6	Gasket, Speed Control Plate (Not Shown)	
35	70004399	3	Nozzle Holder Kit	
35	7023167	3	Gasket, Glow Plug	
35	7023168	3	Seal	
37	70004398	3	Plug, Glow (Not Shown)	
37	70004544	3	Cord, Glow Plug (Not Shown)	
38	70004399	1	Kit, Nozzle Holder	
39	7023139	1	Fuel Pump Assembly	
40	70004400	1	Gasket, Fuel Pump	
41	7023141	1	V-Belt	
42	7017955	1	Alternator	
43	7023144	1	Starter	
44	7017901	1	Switch, Oil	
45	70003064	1	Sensor, Water Temperature	
46	70003063	1	Seal, Water Temperature Sensor	
47	7023145	1	Gasket, Water Flange	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	7023170	1	Thermostat	
49	7022326	1	Gasket, Thermostat Housing to Engine Block	
50	70002327	1	Pump, Water (Not Shown)	
51	70002328	1	Gasket, Water Pump	
52	7017963	1	Pipe, Water (Lower)	
53	70002330	1	Pipe, Water (Upper)	
54	4400498	1	Reserve Tank (Not Shown)	
55	70004401	1	Decal - Caution (Not Shown)	
56	7023149	1	Gasket, Air Intake Manifold	
57	7023148	1	Gasket, Exhaust Manifold to Engine Block	
58	7023124	1	Gasket, Exhaust Manifold to Muffler (Not Shown)	
59	70003066	1	Upper Gasket Kit (Includes Qty 1 Each of Cylinder Head, Valve Cover, Intake Manifold to Block, Exhaust Manifold to Block, Exhaust Manifold Gasket to Muffler, Thermostat Housing to Block, Thermostat Housing to Neck Gaskets and Fuel System Seals and O-Rings and Qty 6 Valve Stem Seals.)	
60	70003067	1	Lower Gasket Kit (Includes Qty 1 Each of Gear Case, Brg. Case, Gasket, Fuel Pump Gasket, Water Pump Gasket, Oil Pan Gasket, Oil Seal, O-Rings and Qty 6 Valve Stem Seals.)	
61	70004524	1	Valve, Drain (Not Shown)	
62	70005220	1	Gasket, Cylinder Head (Not Shown)	
63	70004536	1	Pipe, Over Flow	
63	70004537	1	Screw (Air Bleeder)	
63	70004538	1	Seal	
63	70004539	1	Pipe, Over Flow (Injector to Rail)	
64	70004541	1	Pipe, Injection	
65	70004542	1	Pipe, Injection	
66	70004543	1	Pipe, Injection	

FIGURE 3-20. AXIAL PUMP ASSEMBLY

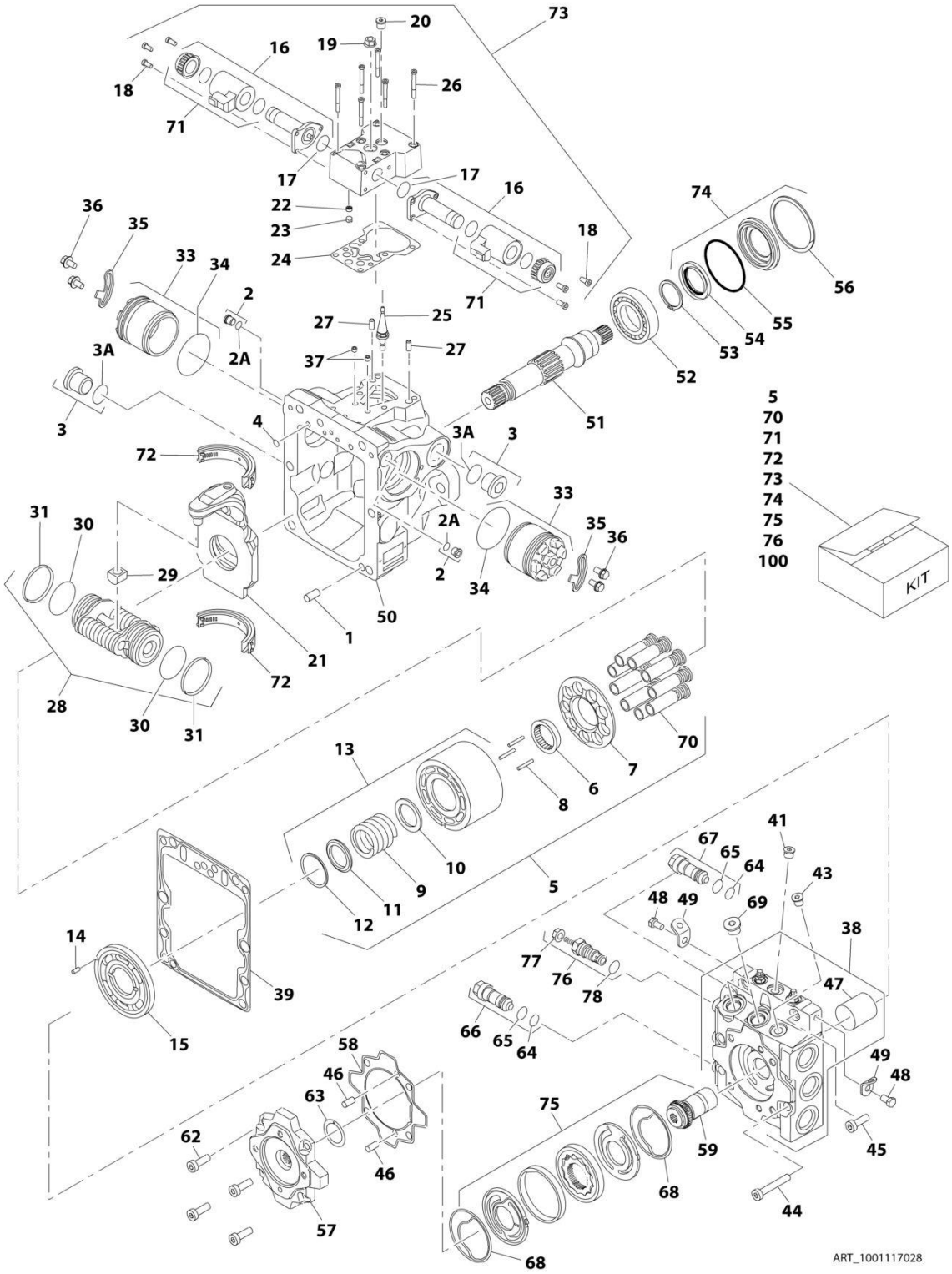


FIGURE 3-20. AXIAL PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117028	Ref	AXIAL PUMP ASSEMBLY	F
1	70002132	2	Pin	
2	70002133	2	Plug	
2A	See Note	NSS	O-Ring (Note: Use Item 2)	
3	7007439	2	Plug	
3A	See Note	NSS	O-Ring (Note: Use Item 3)	
4	70002134	2	Screen	
5	70002135	1	Cylinder Block and Piston Kit (Includes Items 6-9 & 70)	
6	70002137	1	Guide	
7	70002138	1	Retainer	
8	7021275	3	Pin	
9	See Note	NSS	Cylinder Block Assembly (Includes Items 10-13) (Note: Use Item 5)	
10	70002140	1	Washer	
11	70002141	1	Washer	
12	70002142	1	Ring, Retaining	
13	70002139	1	Spring	
14	7007446	1	Pin	
15	70002601	1	Plate, Valve	
16	70002147	2	Solenoid Valve Assembly (Includes Items 17, 18 & 71)	
17	70002148	2	O-Ring (Part of Item 16)	
18	70002150	6	Screw (Part of Item 73)	
19	7022301	1	Nut, Seal (Part of Item 73)	
20	70002151	1	Plug (Part of Item 73)	
21	70002152	1	Swash Plate	
22	70002134	1	Screen (Part of Item 73)	
23	70002153	1	Ring, Locking (Part of Item 73)	
24	70002154	1	Gasket (Part of Item 73)	
25	70002155	1	Link	
26	70002156	6	Screw	
27	70002157	2	Pin	
28	70002158	1	Servo Piston Assembly (Includes Items 29-31)	
29	70002159	1	Block, Slider (Part of Item 28)	
30	70002160	2	O-Ring (Part of Item 28)	
31	70002161	2	Ring, Piston (Part of Item 28)	
33	70002603	2	Servo Cylinder Assembly (Includes Item 34)	
34	70002163	2	O-Ring (Part of Item 33)	
35	70002164	2	Plate, Locking	
36	70002165	4	Screw	
37	70002166	2	Orifice	
38	70002863	1	Cap, End (Includes Item 47)	
39	70002168	1	Gasket	
40	70001958	1	Plug (Not Shown)	
41	70001958	1	Plug	
42	70001958	1	Plug (Not Shown)	
43	70001958	2	Plug	
44	70002169	4	Screw	
45	70002170	2	Screw	
46	70002132	2	Pin	
47	70002172	1	Bearing, Journal (Part of Item 38)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	70002165	2	Screw	
49	7022340	2	Bracket, Lifting	
50	See Note	NSS	Housing (Note: Not Available - Purchase Complete Assembly)	
51	70002175	1	Shaft	
52	70002176	1	Bearing	
53	7007439	1	Ring, Retaining	
54	70002177	1	Seal, Lip (Part of Item 74)	
55	70002178	1	O-Ring (Part of Item 74)	
56	70002179	1	Ring, Retaining (Part of Item 74)	
57	70002180	1	Adapter, Pump	
58	70002181	1	Seal	
59	70002864	1	Coupling	
62	70002185	4	Screw	
63	70002186	1	Plate, Thrust	
64	70002187	2	O-Ring (Part of Items 66 & 67)	
65	70002865	2	O-Ring (Part of Items 66 & 67)	
66	70002866	1	Valve, Relief	
67	70002866	1	Valve, Relief	
68	70002867	2	Ring, Seal (Part of Item 68)	
69	7023964	2	Plug	
70	70002136	1	Piston Kit (Includes Qty 9 Pistons) (Part of Item 5)	
71	70002149	2	Coil Kit (Part of Items 16 & 73)	
72	70002145	1	Bearing Kit	
73	70002146	1	EDC Kit (Includes Items 16-20, 22-24, 26 & 71)	
74	70002174	1	Shaft Seal Kit (Includes Items 54, 55 & 56) (Note: This is a universal kit and will contain extra pieces that are not used on this pump assembly)	
75	70002868	1	Charge Pump Kit (Includes Item 68)	
76	70002191	1	Charge Relief Valve Kit (Includes Items 77 & 78)	
77	70222301	1	Nut, Seal (Part of Item 76)	
78	7007415	1	O-Ring (Part of Item 76)	
100	70002192	1	Seal Kit (Includes Items 24, 30, 31, 34, 39, 54, 55, 58, 64, 65, 68, 77 & 78)	

FIGURE 3-21. GEAR PUMP ASSEMBLY

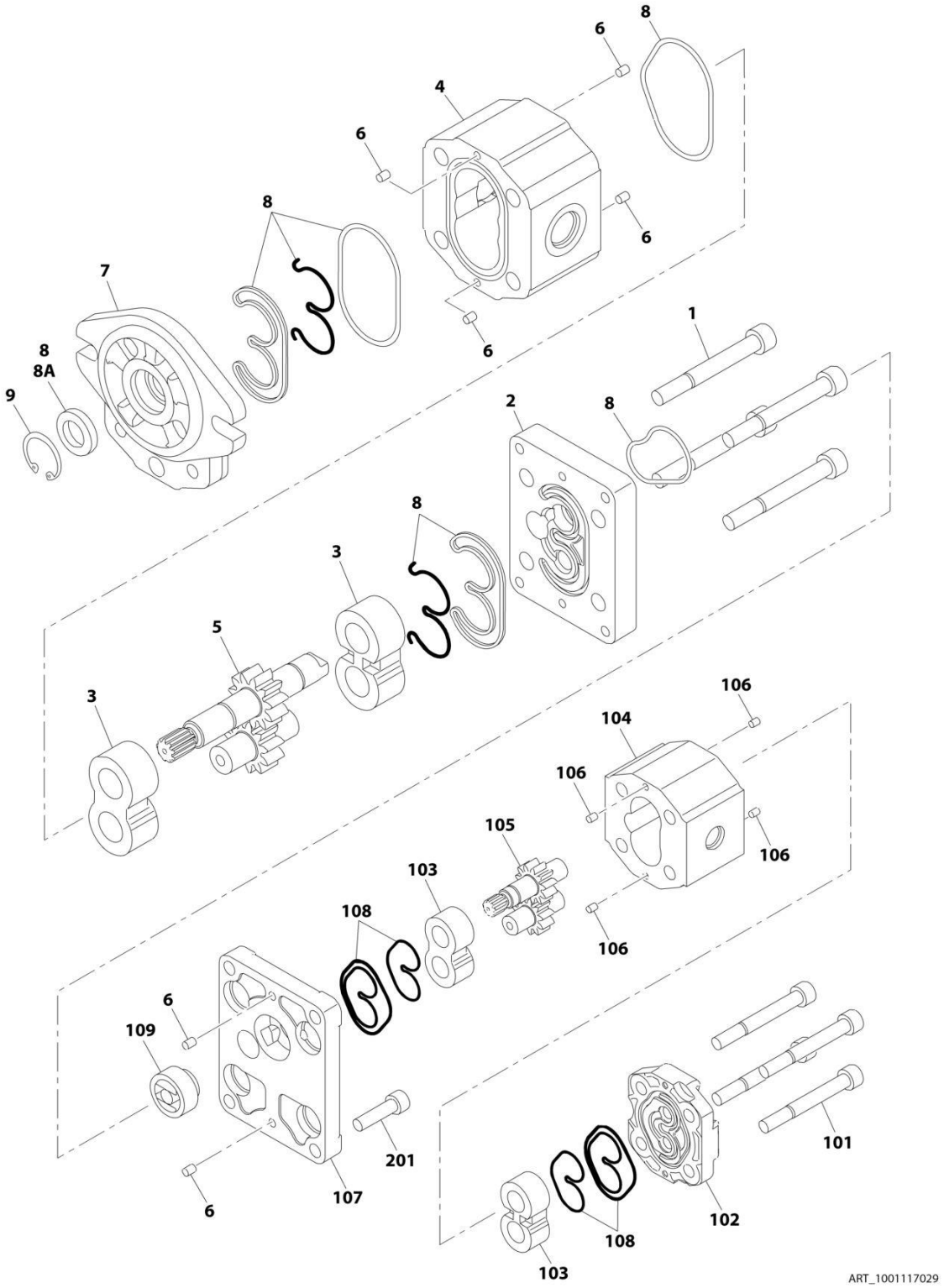


FIGURE 3-21. GEAR PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117029	Ref	GEAR PUMP ASSEMBLY	A
		Ref	Note: For Items without P/Ns, replace complete pump.	
		Ref	Front Section Components	
1	See Note	4	Bolt	
2	See Note	1	Plate, End	
3	See Note	2	Bearing	
4	See Note	1	Housing	
5	See Note	1	Drive Shaft Set	
6	See Note	6	Pin, Dowel	
7	See Note	1	Plate, Front	
8	70002860	1	Seal Kit	
8A	70002577	NLA	Seal, Lip (Use Item 8)	
9	70002862	1	Ring, Retaining	
		Ref	Rear Section Components	
101	See Note	4	Bolt	
102	See Note	1	Plate, End	
103	See Note	2	Bearing	
104	See Note	1	Housing	
105	See Note	1	Drive Shaft Set	
106	See Note	4	Pin, Dowel	
107	See Note	1	Plate, Front	
108	70002861	1	Seal Kit	
109	See Note	1	Coupling	
201	See Note	4	Bolt	

FIGURE 3-22. 2800W GENERATOR INSTALLATION - GM ENGINE MACHINES 220V/50HZ GENERATOR (ANSI EXPORT AND CHINA SPECS)

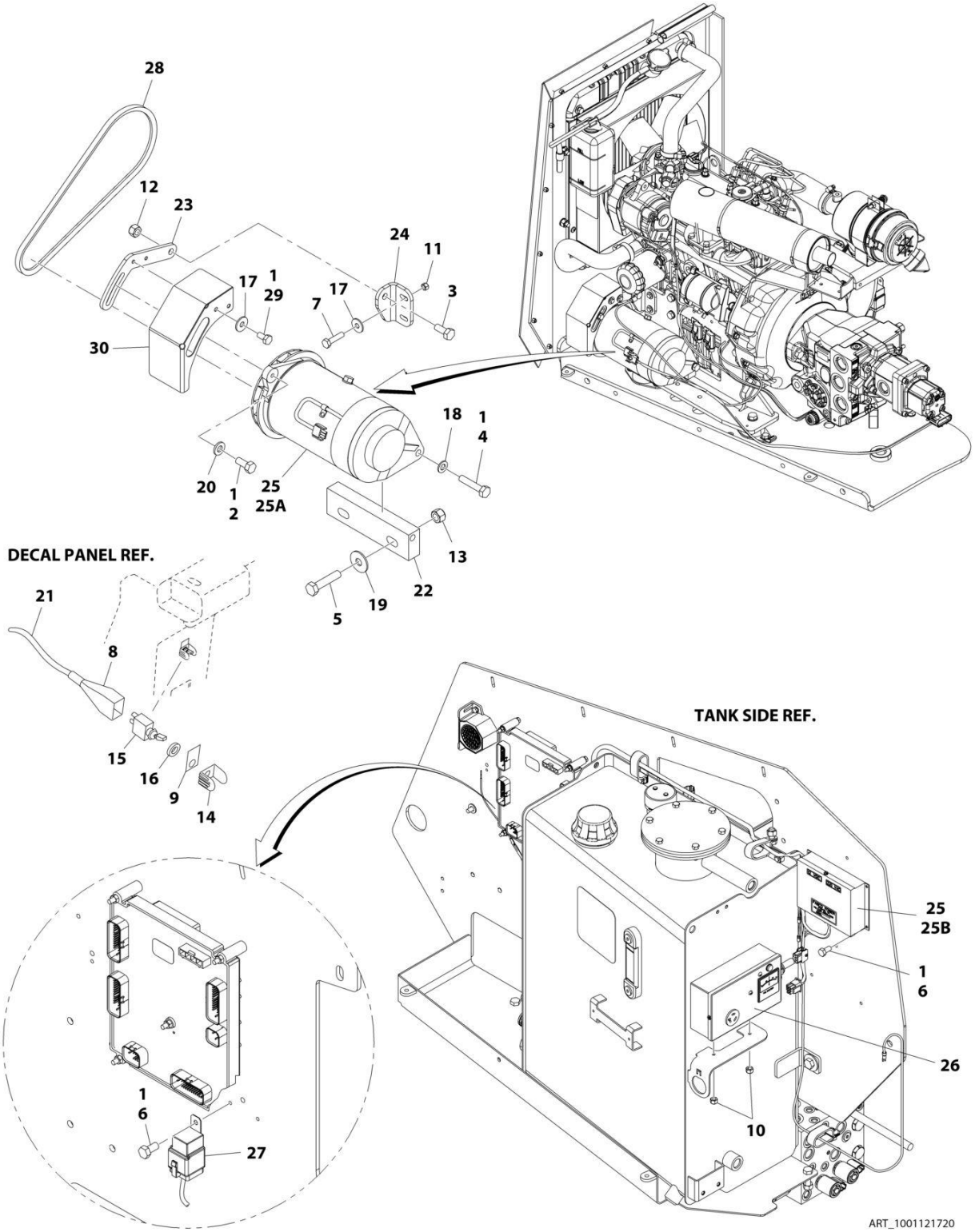


FIGURE 3-22. 2800W GENERATOR INSTALLATION - GM ENGINE MACHINES 220V/50HZ GENERATOR (ANSI EXPORT AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121720	Ref	2800W GENERATOR INSTALLATION - GM ENGINE MACHINES 220V/50HZ GENERATOR (ANSI EXPORT AND CHINA SPECS)	D
1	0100011	AR	Compound, Locking	
2	0641506	1	Bolt 5/16-18 x 3/4	
3	0701012	1	Bolt M10 x 25	
4	0701018	2	Bolt M10 x 50	
5	0701219	2	Bolt M12 x 55	
6	0760505	5	Bolt M5 x 10	
7	0760612	2	Bolt M6 x 25	
8	2820031	AR	Heat Shrink	
9	3251102	1	Nameplate - Generator	
10	3290505	2	Nut M5	
11	3290605	2	Nut M6	
12	3291005	1	Nut M10	
13	3291205	2	Nut M12	
14	4060802	1	Guard, Switch	
15	4360336	1	Switch, Toggle	
16	4740397	1	Washer	
17	4811702	4	Washer M6	
18	4812000	2	Washer M10	
19	4812102	2	Washer M12	
20	4891500	1	Washer 5/16	
21	4922641	1	Harness, On/Off Switch	
22	1001119551	1	Mount, Generator	
23	1001119553	1	Arm, Adjustment	
24	1001119554	1	Support, Arm	
25	1001119589	1	Generator and Voltage Regulator Assembly	C
25A	1001100321	1	Generator	
25A	70000123	1	Armature with Slip Rings	
25A	7020109	4	Holder, Brush	
25A	7020108	4	Brush	
25A	7012513	4	Cap, Brush Holder	
25A	7012514	1	Fan	
25A	7020190	2	Bearing	
25A	7020110	1	End Bell, Front	
25A	7020111	1	End Bell, Rear	
25A	70003069	1	Cord, Power	
25A	70003070	1	Pulley	
25A	7027887	1	Key, Woodruff	
25B	70002238	1	Regulator, Voltage	
26	1001119634	1	Control Box Assembly	B
26	70000126	1	Circuit Breaker	
26	7020192	1	Voltmeter	
26	70000124	1	Receptacle, Double	
26	70000125	1	Receptacle, Single Twist Lock	
26	2920162	1	Lamp	
26	70002237	1	Diode	
26	3520028	1	Plug, Hole	
27	1001119773	1	Harness, Generator (See ELECTRICAL SECTION for Breakdown)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
28	1001119882	1	V-Belt	
29	0760606	2	Bolt M6 x 12	
30	1001125118	1	Shield, Pulley	

FIGURE 3-23. 2800W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 120V/50HZ GENERATOR (CE SPECS)

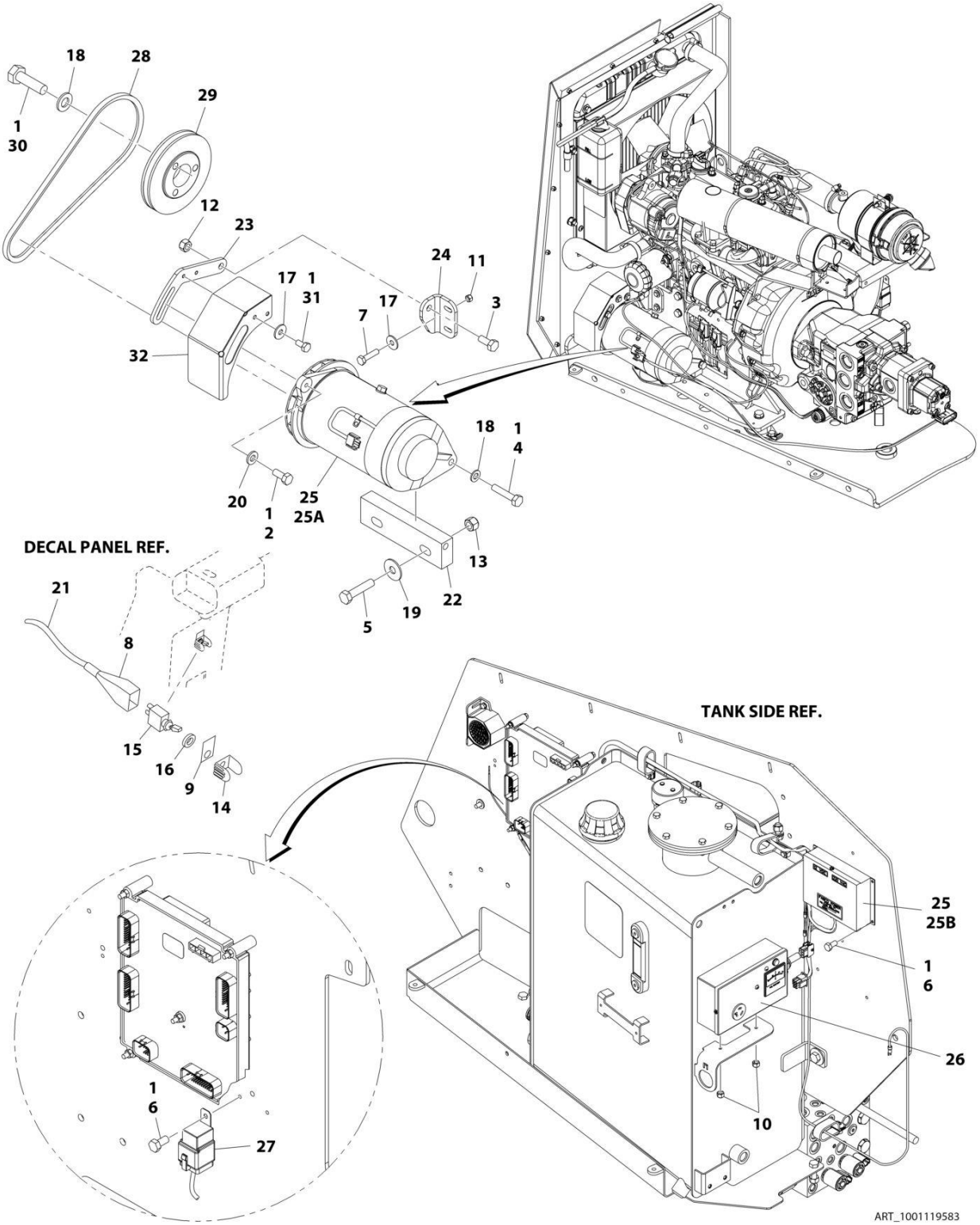


FIGURE 3-23. 2800W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 120V/50HZ GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119583	Ref	2800W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 120V/50HZ GENERATOR (CE SPECS)	E
1	0100011	AR	Compound, Locking	
2	0641506	1	Bolt 5/16-18 x 3/4	
3	0701012	1	Bolt M10 x 25	
4	0701018	2	Bolt M10 x 50	
5	0701219	2	Bolt M12 x 55	
6	0760505	5	Bolt M5 x 10	
7	0760612	2	Bolt M6 x 25	
8	2820031	AR	Heat Shrink	
9	3251102	1	Nameplate - Generator	
10	3290505	2	Nut M5	
11	3290605	2	Nut M6	
12	3291005	1	Nut M10	
13	3291205	2	Nut M12	
14	4060802	1	Guard, Switch	
15	4360336	1	Switch, Toggle	
16	4740397	1	Washer	
17	4811702	4	Washer M6	
18	4812000	5	Washer M10	
19	4812102	2	Washer M12	
20	4891500	1	Washer 5/16	
21	4922641	1	Harness, On/Off Switch	
22	1001119551	1	Mount, Generator	
23	1001119553	1	Arm, Adjustment	
24	1001119554	1	Support, Arm	
25	1001119587	1	Generator Assembly	C
25A	2460049	1	Generator	
25A	70000122	1	Armature with Slip Rings	
25A	7020109	4	Holder, Brush	
25A	7020108	4	Brush	
25A	7012513	4	Cap, Brush Holder	
25A	7012514	1	Fan	
25A	7020190	2	Bearing	
25A	7020110	1	End Bell, Front	
25A	7020111	1	End Bell, Rear	
25A	70003069	1	Cord, Power	
25A	70003070	1	Pulley	
25A	7027887	1	Key, Woodruff	
25B	7026525	1	Regulator, Voltage	
26	1001119633	1	Control Box Assembly	B
26	70002240	1	Circuit Breaker	
26	2420203	1	Voltmeter	
26	7020152	1	Receptacle, Double	
26	70003137	1	Receptacle, Single Twist Lock	
26	2920162	1	Lamp	
26	70002237	1	Diode	
26	3520028	1	Plug, Hole	
27	1001119773	1	Harness, Generator (See ELECTRICAL SECTION for Breakdown)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
28	1001119882	1	V-Belt	
29	1001118720	1	Pulley	
30	1001119929	3	Bolt M10 x 35	
31	0760606	2	Bolt M6 x 12	
32	1001125118	1	Shield, Pulley	

FIGURE 3-24. 2800W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 220V/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)

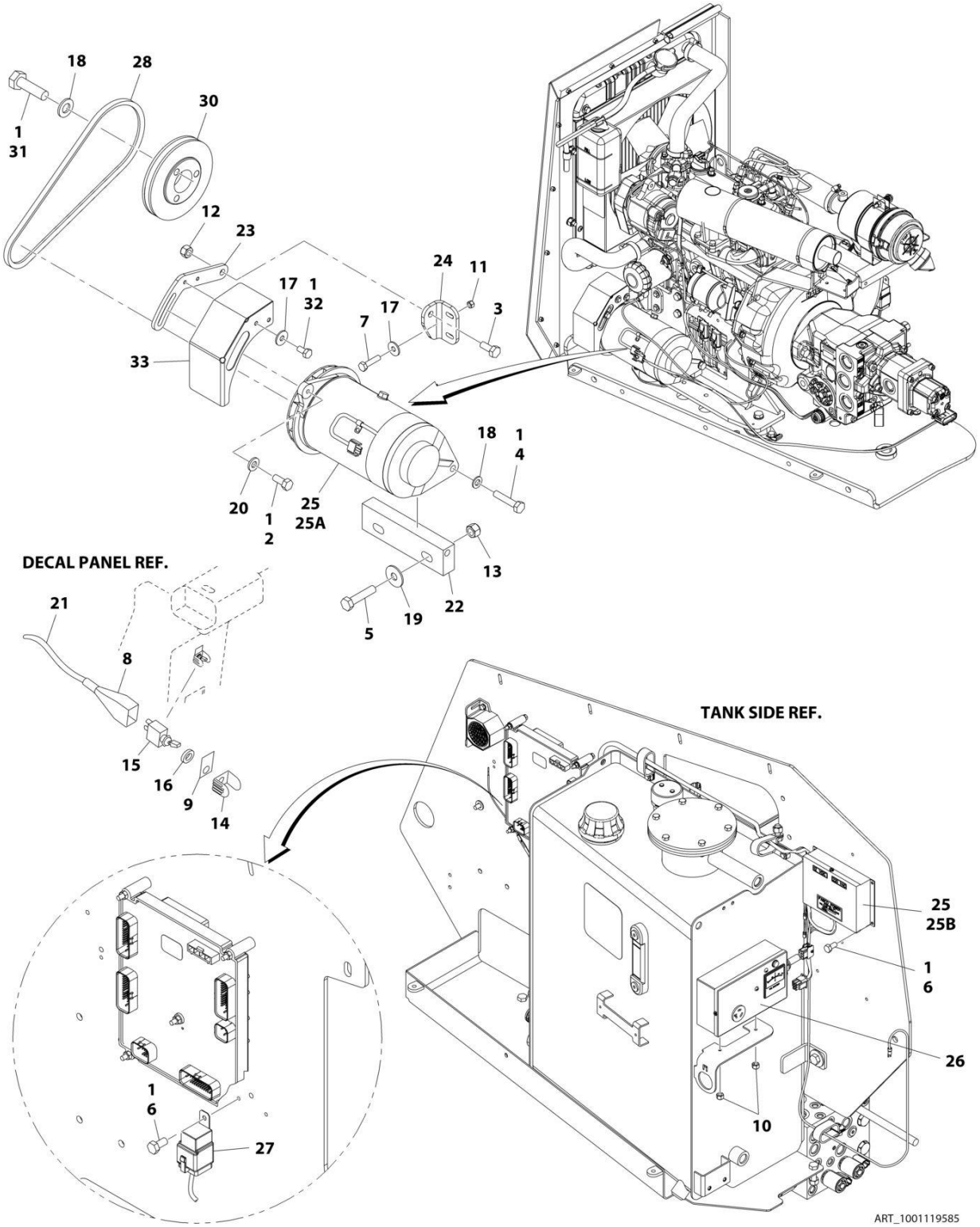


FIGURE 3-24. 2800W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 220V/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119585	Ref	2800W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 220V/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)	E
1	0100011	AR	Compound, Locking	
2	0641506	1	Bolt 5/16-18 x 3/4	
3	0701012	1	Bolt M10 x 25	
4	0701018	2	Bolt M10 x 50	
5	0701219	2	Bolt M12 x 55	
6	0760505	5	Bolt M5 x 10	
7	0760612	2	Bolt M6 x 25	
8	2820031	AR	Heat Shrink	
9	3251102	1	Nameplate - Generator	
10	3290505	2	Nut M5	
11	3290605	2	Nut M6	
12	3291005	1	Nut M10	
13	3291205	2	Nut M12	
14	4060802	1	Guard, Switch	
15	4360336	1	Switch, Toggle	
16	4740397	1	Washer	
17	4811702	4	Washer M6	
18	4812000	5	Washer M10	
19	4812102	2	Washer M12	
20	4891500	1	Washer 5/16	
21	4922641	1	Harness, On/Off Switch	
22	1001119551	1	Mount, Generator	
23	1001119553	1	Arm, Adjustment	
24	1001119554	1	Support, Arm	
25	1001119589	1	Generator Assembly	C
25A	1001100321	1	Generator	
25A	70000123	1	Armature with Slip Rings	
25A	7020109	4	Holder, Brush	
25A	7020108	4	Brush	
25A	7012513	4	Cap, Brush Holder	
25A	7012514	1	Fan	
25A	7020190	2	Bearing	
25A	7020110	1	End Bell, Front	
25A	7020111	1	End Bell, Rear	
25A	70003069	1	Cord, Power	
25A	70003070	1	Pulley	
25A	7027887	1	Key, Woodruff	
25B	70002238	1	Regulator, Voltage	
26	1001119634	1	Control Box Assembly	B
26	70000126	1	Circuit Breaker	
26	7020192	1	Voltmeter	
26	70000124	1	Receptacle, Double	
26	70000125	1	Receptacle, Single Twist Lock	
26	2920162	1	Lamp	
26	70002237	1	Diode	
26	3520028	1	Plug, Hole	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	1001119773	1	Harness, Generator (See ELECTRICAL SECTION for Breakdown)	
28	1001119882	1	V-Belt	
30	1001118720	1	Pulley	
31	1001119929	3	Bolt M10 x 35	
32	0760606	2	Bolt M6 x 12	
33	1001125118	1	Shield, Pulley	

FIGURE 3-25. 3500W GENERATOR INSTALLATION - GM ENGINE MACHINES 120V/60HZ GENERATOR (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)

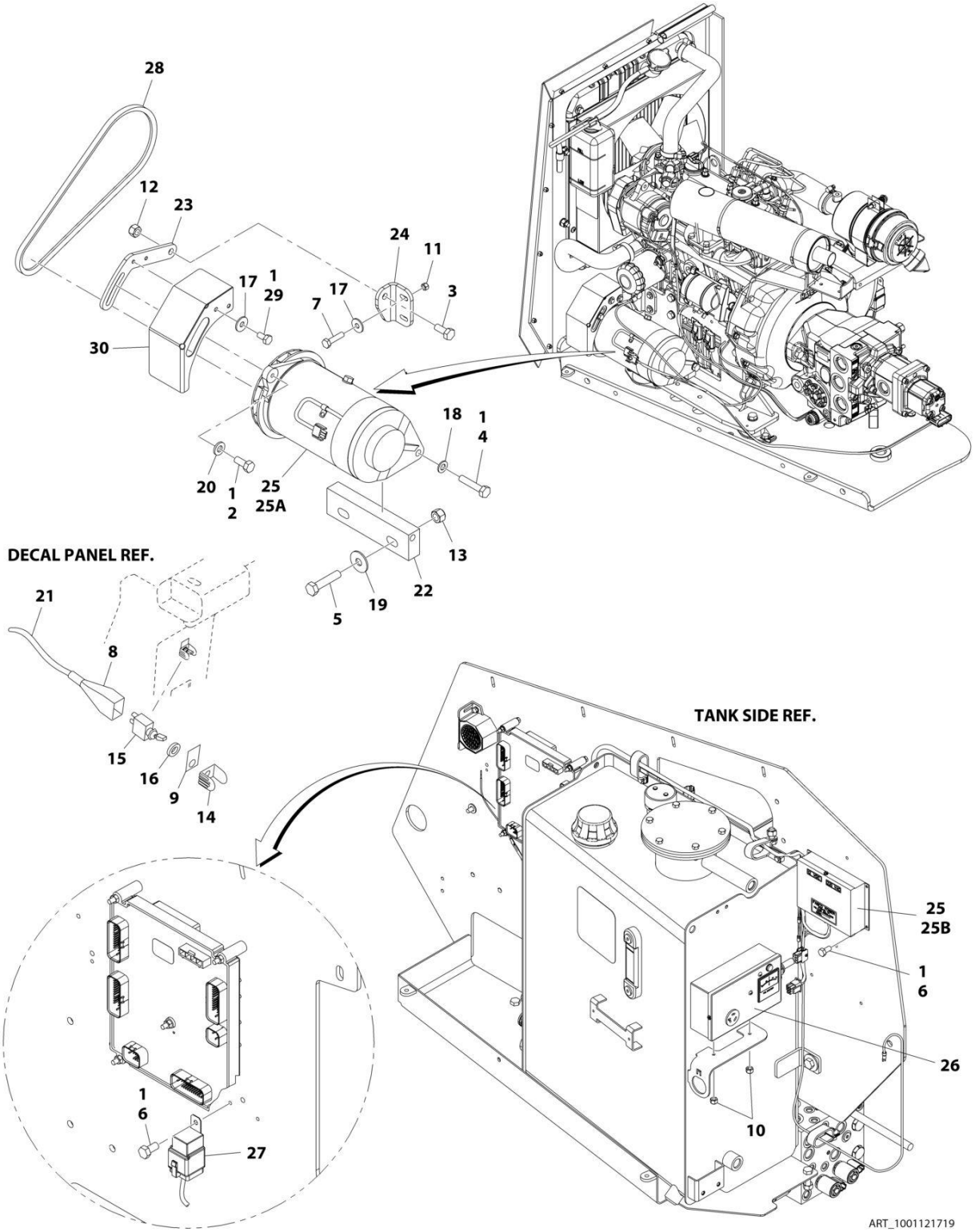


FIGURE 3-25. 3500W GENERATOR INSTALLATION - GM ENGINE MACHINES 120V/60HZ GENERATOR (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121719	Ref	3500W GENERATOR INSTALLATION - GM ENGINE MACHINES 120V/60HZ GENERATOR (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)	D
1	0100011	AR	Compound, Locking	
2	0641506	1	Bolt 5/16-18 x 3/4	
3	0701012	1	Bolt M10 x 25	
4	0701018	2	Bolt M10 x 50	
5	0701219	2	Bolt M12 x 55	
6	0760505	5	Bolt M5 x 10	
7	0760612	2	Bolt M6 x 25	
8	2820031	AR	Heat Shrink	
9	3251102	1	Nameplate - Generator	
10	3290505	2	Nut M5	
11	3290605	2	Nut M6	
12	3291005	1	Nut M10	
13	3291205	2	Nut M12	
14	4060802	1	Guard, Switch	
15	4360336	1	Switch, Toggle	
16	4740397	1	Washer	
17	4811702	4	Washer M6	
18	4812000	2	Washer M10	
19	4812102	2	Washer M12	
20	4891500	1	Washer 5/16	
21	4922641	1	Harness, On/Off Switch	
22	1001119551	1	Mount, Generator	
23	1001119553	1	Arm, Adjustment	
24	1001119554	1	Support, Arm	
25	1001119586	1	Generator and Voltage Regulator Assembly	C
25A	2460049	1	Generator	
25A	70000122	1	Armature with Slip Rings	
25A	7020109	4	Holder, Brush	
25A	7020108	4	Brush	
25A	7012513	4	Cap, Brush Holder	
25A	7012514	1	Fan	
25A	7020190	2	Bearing	
25A	7020110	1	End Bell, Front	
25A	7020111	1	End Bell, Rear	
25A	70003069	1	Cord, Power	
25A	70003068	1	Pulley	
25A	7027887	1	Key, Woodruff	
25B	7026525	1	Regulator, Voltage	
26	1001119633	1	Control Box Assembly	B
26	70002240	1	Circuit Breaker	
26	2420203	1	Voltmeter	
26	7020152	1	Receptacle, Double	
26	70003137	1	Receptacle, Single Twist Lock	
26	2920162	1	Lamp	
26	70002237	1	Diode	
26	3520028	1	Plug, Hole	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	1001119773	1	Harness, Generator (See ELECTRICAL SECTION for Breakdown)	
28	1001119881	1	V-Belt	
29	0760606	2	Bolt M6 x 12	
30	1001125118	1	Shield, Pulley	

FIGURE 3-26. 3500W GENERATOR INSTALLATION - GM ENGINE MACHINES 220V/60HZ GENERATOR (ANSI EXPORT, CHINA AND CSA SPECS)

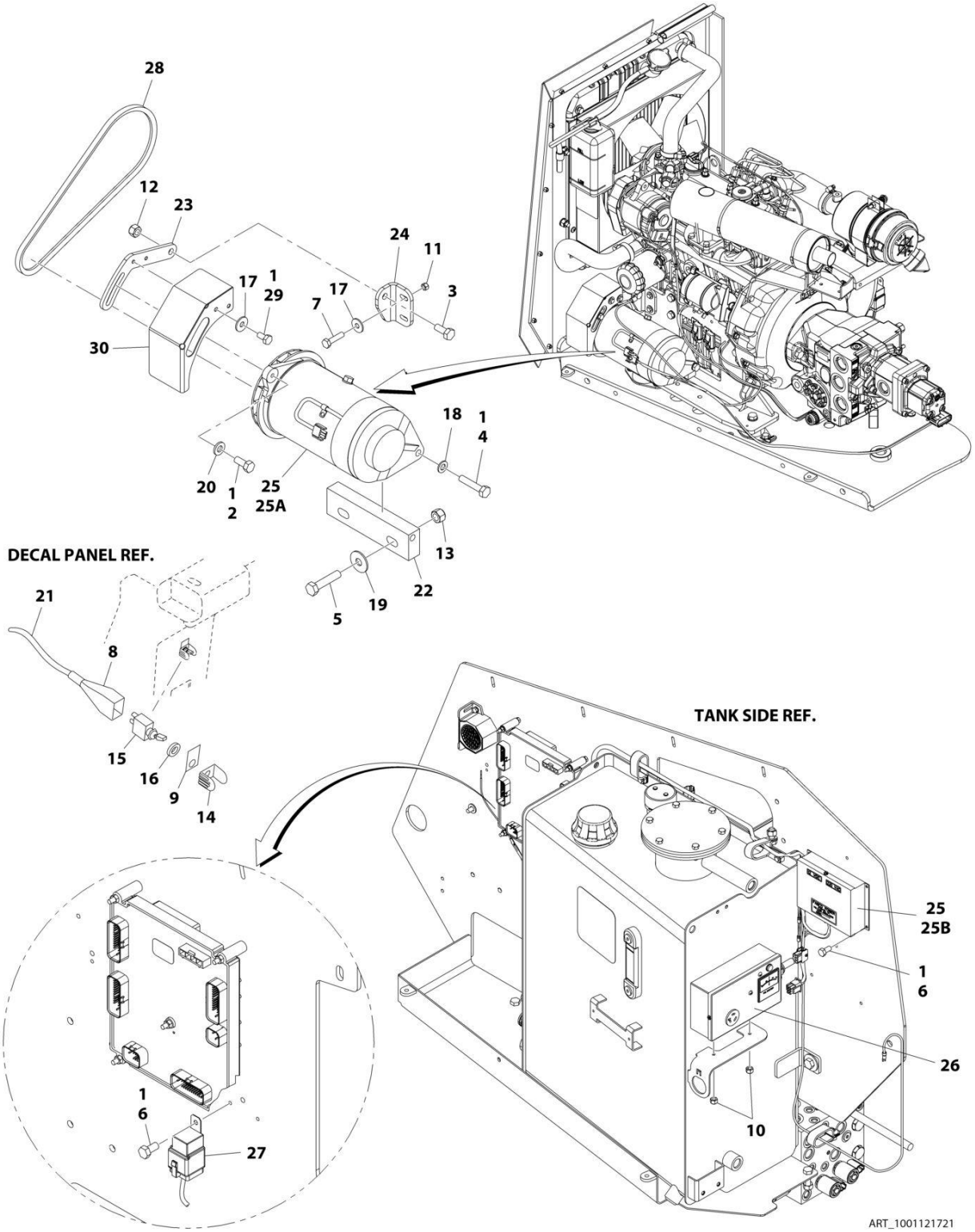


FIGURE 3-26. 3500W GENERATOR INSTALLATION - GM ENGINE MACHINES 220V/60HZ GENERATOR (ANSI EXPORT, CHINA AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121721	Ref	3500W GENERATOR INSTALLATION - GM ENGINE MACHINES 220V/60HZ GENERATOR (ANSI EXPORT, CHINA AND CSA SPECS)	D
1	0100011	AR	Compound, Locking	
2	0641506	1	Bolt 5/16-18 x 3/4	
3	0701012	1	Bolt M10 x 25	
4	0701018	2	Bolt M10 x 50	
5	0701219	2	Bolt M12 x 55	
6	0760505	5	Bolt M5 x 10	
7	0760612	2	Bolt M6 x 25	
8	2820031	AR	Heat Shrink	
9	3251102	1	Nameplate - Generator	
10	3290505	2	Nut M5	
11	3290605	2	Nut M6	
12	3291005	1	Nut M10	
13	3291205	2	Nut M12	
14	4060802	1	Guard, Switch	
15	4360336	1	Switch, Toggle	
16	4740397	1	Washer	
17	4811702	4	Washer M6	
18	4812000	2	Washer M10	
19	4812102	2	Washer M12	
20	4891500	1	Washer 5/16	
21	4922641	1	Harness, On/Off Switch	
22	1001119551	1	Mount, Generator	
23	1001119553	1	Arm, Adjustment	
24	1001119554	1	Support, Arm	
25	1001119588	1	Generator and Voltage Regulator Assembly	C
25A	1001100321	1	Generator	
25A	70000123	1	Armature with Slip Rings	
25A	7020109	4	Holder, Brush	
25A	7020108	4	Brush	
25A	7012513	4	Cap, Brush Holder	
25A	7012514	1	Fan	
25A	7020190	2	Bearing	
25A	7020110	1	End Bell, Front	
25A	7020111	1	End Bell, Rear	
25A	70003069	1	Cord, Power	
25A	70003068	1	Pulley	
25A	7027887	1	Key, Woodruff	
25B	70002238	1	Regulator, Voltage	
26	1001119634	1	Control Box Assembly	B
26	70000126	1	Circuit Breaker	
26	7020192	1	Voltmeter	
26	70000124	1	Receptacle, Double	
26	70000125	1	Receptacle, Single Twist Lock	
26	2920162	1	Lamp	
26	70002237	1	Diode	
26	3520028	1	Plug, Hole	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	1001119773	1	Harness, Generator (See ELECTRICAL SECTION for Breakdown)	
28	1001119881	1	V-Belt	
29	0760606	2	Bolt M6 x 12	
30	1001125118	1	Shield, Pulley	

FIGURE 3-27. 3500W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 120V/60HZ GENERATOR (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)

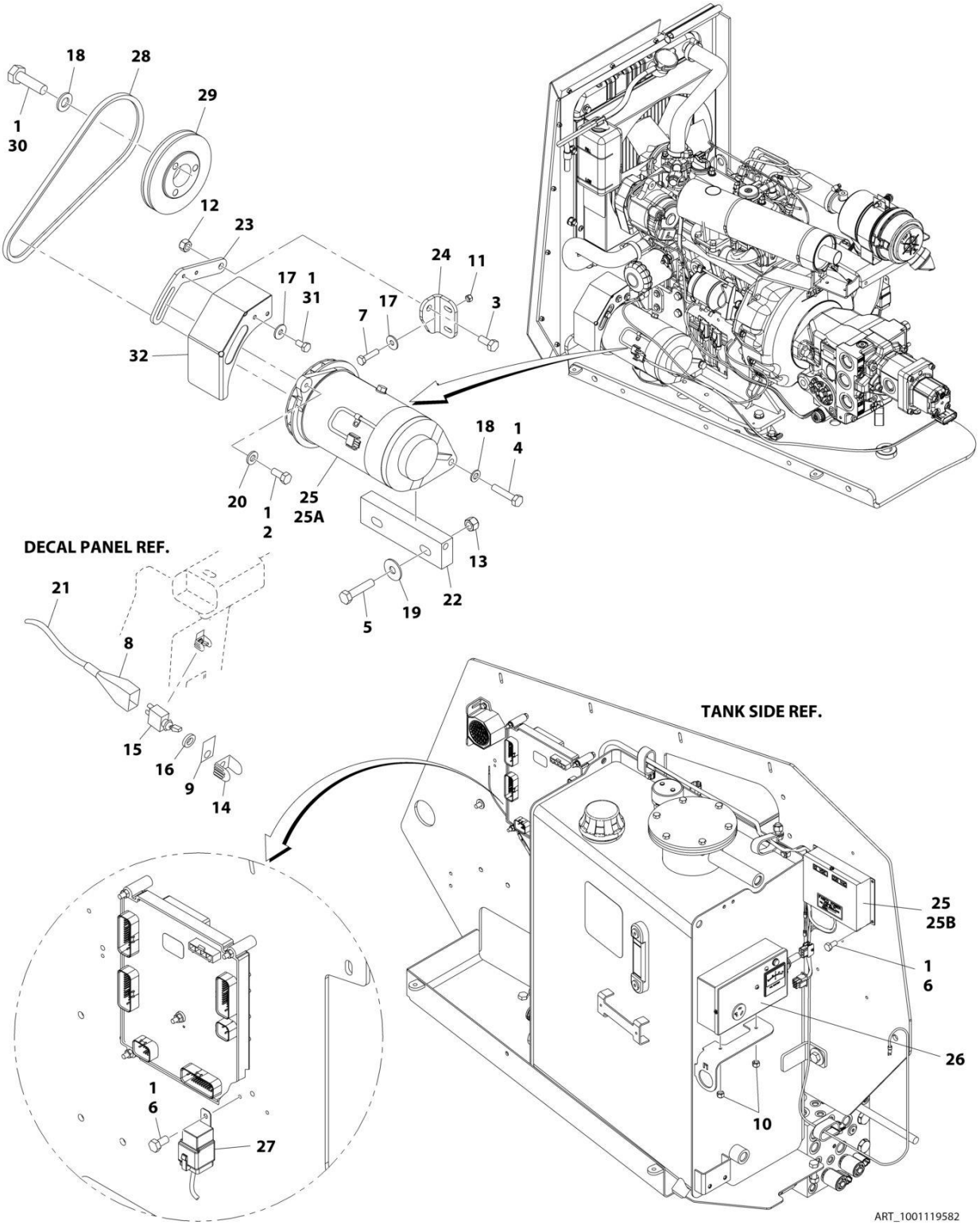


FIGURE 3-27. 3500W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 120V/60HZ GENERATOR (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119582	Ref	3500W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 120V/60HZ GENERATOR (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)	E
1	0100011	AR	Compound, Locking	
2	0641506	1	Bolt 5/16-18 x 3/4	
3	0701012	1	Bolt M10 x 25	
4	0701018	2	Bolt M10 x 50	
5	0701219	2	Bolt M12 x 55	
6	0760505	5	Bolt M5 x 10	
7	0760612	2	Bolt M6 x 25	
8	2820031	AR	Heat Shrink	
9	3251102	1	Nameplate - Generator	
10	3290505	2	Nut M5	
11	3290605	2	Nut M6	
12	3291005	1	Nut M10	
13	3291205	2	Nut M12	
14	4060802	1	Guard, Switch	
15	4360336	1	Switch, Toggle	
16	4740397	1	Washer	
17	4811702	4	Washer M6	
18	4812000	5	Washer M10	
19	4812102	2	Washer M12	
20	4891500	1	Washer 5/16	
21	4922641	1	Harness, On/Off Switch	
22	1001119551	1	Mount, Generator	
23	1001119553	1	Arm, Adjustment	
24	1001119554	1	Support, Arm	
25	1001119586	1	Generator Assembly	C
25A	2460049	1	Generator	
25A	70000122	1	Armature with Slip Rings	
25A	7020109	4	Holder, Brush	
25A	7020108	4	Brush	
25A	7012513	4	Cap, Brush Holder	
25A	7012514	1	Fan	
25A	7020190	2	Bearing	
25A	7020110	1	End Bell, Front	
25A	7020111	1	End Bell, Rear	
25A	70003069	1	Cord, Power	
25A	70003068	1	Pulley	
25A	7027887	1	Key, Woodruff	
25B	7026525	1	Regulator, Voltage	
26	1001119633	1	Control Box Assembly	B
26	70002240	1	Circuit Breaker	
26	2420203	1	Voltmeter	
26	7020152	1	Receptacle, Double	
26	70003137	1	Receptacle, Single Twist Lock	
26	2920162	1	Lamp	
26	70002237	1	Diode	
26	3520028	1	Plug, Hole	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	1001119773	1	Harness, Generator (See ELECTRICAL SECTION for Breakdown)	
28	1001119881	1	V-Belt	
29	1001118720	1	Pulley	
30	1001119929	3	Bolt M10 x 35	
31	0760606	2	Bolt M6 x 12	
32	1001125118	1	Shield, Pulley	

FIGURE 3-28. 3500W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 220V/60HZ GENERATOR (ANSI EXPORT, CHINA AND CSA SPECS)

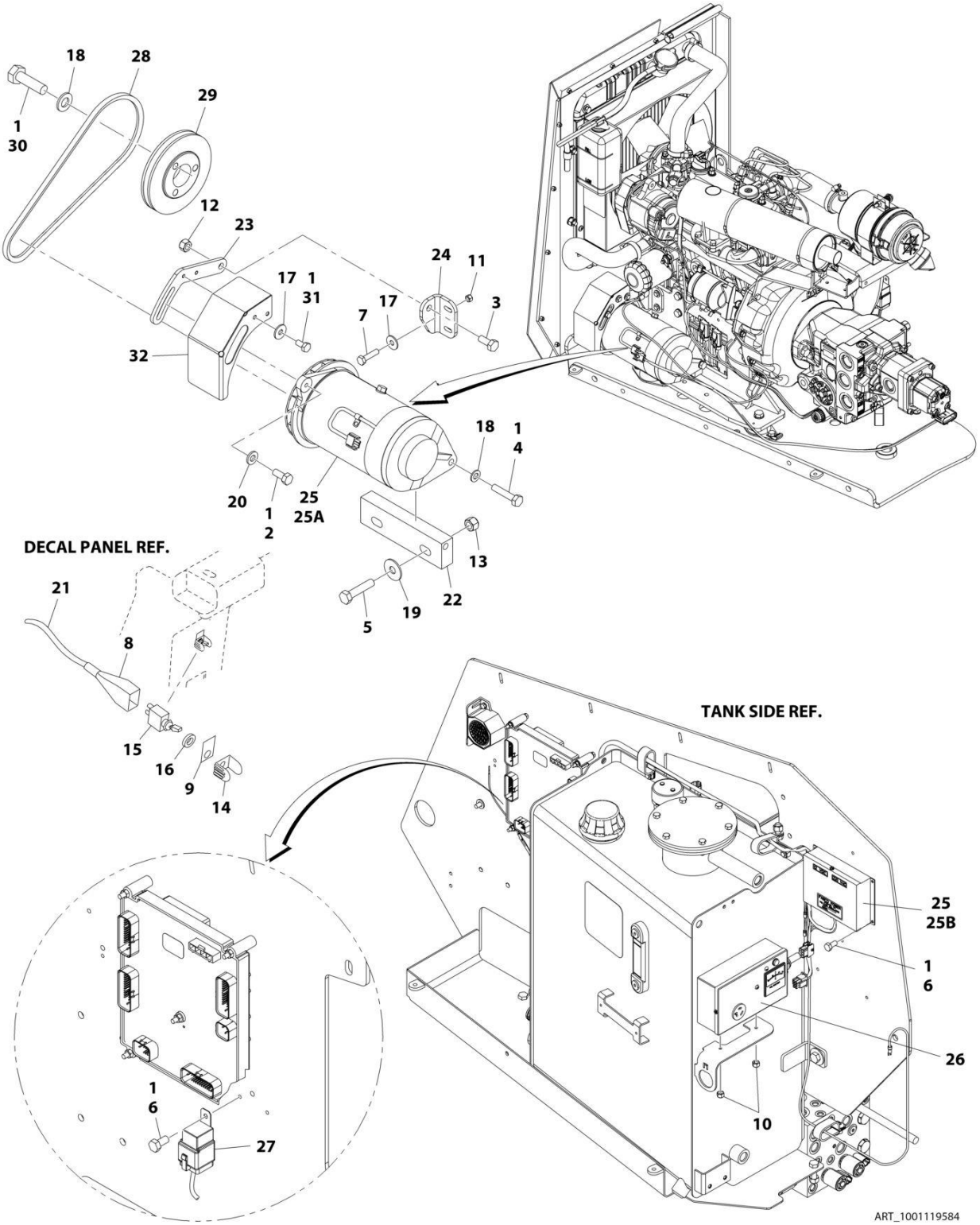


FIGURE 3-28. 3500W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 220V/60HZ GENERATOR (ANSI EXPORT, CHINA AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119584	Ref	3500W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 220V/60HZ GENERATOR (ANSI EXPORT, CHINA AND CSA SPECS)	E
1	0100011	AR	Compound, Locking	
2	0641506	1	Bolt 5/16-18 x 3/4	
3	0701012	1	Bolt M10 x 25	
4	0701018	2	Bolt M10 x 50	
5	0701219	2	Bolt M12 x 55	
6	0760505	5	Bolt M5 x 10	
7	0760612	2	Bolt M6 x 25	
8	2820031	AR	Heat Shrink	
9	3251102	1	Nameplate - Generator	
10	3290505	2	Nut M5	
11	3290605	2	Nut M6	
12	3291005	1	Nut M10	
13	3291205	2	Nut M12	
14	4060802	1	Guard, Switch	
15	4360336	1	Switch, Toggle	
16	4740397	1	Washer	
17	4811702	4	Washer M6	
18	4812000	5	Washer M10	
19	4812102	2	Washer M12	
20	4891500	1	Washer 5/16	
21	4922641	1	Harness, On/Off Switch	
22	1001119551	1	Mount, Generator	
23	1001119553	1	Arm, Adjustment	
24	1001119554	1	Support, Arm	
25	1001119588	1	Generator Assembly	C
25A	1001100321	1	Generator	
25A	70000123	1	Armature with Slip Rings	
25A	7020109	4	Holder, Brush	
25A	7020108	4	Brush	
25A	7012513	4	Cap, Brush Holder	
25A	7012514	1	Fan	
25A	7020190	2	Bearing	
25A	7020110	1	End Bell, Front	
25A	7020111	1	End Bell, Rear	
25A	70003069	1	Cord, Power	
25A	70003068	1	Pulley	
25A	7027887	1	Key, Woodruff	
25B	70002238	1	Regulator, Voltage	
26	1001119634	1	Control Box Assembly	B
26	70000126	1	Circuit Breaker	
26	7020192	1	Voltmeter	
26	70000124	1	Receptacle, Double	
26	70000125	1	Receptacle, Single Twist Lock	
26	2920162	1	Lamp	
26	70002237	1	Diode	
26	3520028	1	Plug, Hole	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	1001119773	1	Harness, Generator (See ELECTRICAL SECTION for Breakdown)	
28	1001119881	1	V-Belt	
29	1001118720	1	Pulley	
30	1001119929	3	Bolt M10 x 35	
31	0760606	2	Bolt M6 x 12	
32	1001125118	1	Shield, Pulley	

FIGURE 3-29. 4000W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 220V/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN, CE, CHINA AND JAPANESE SPECS)

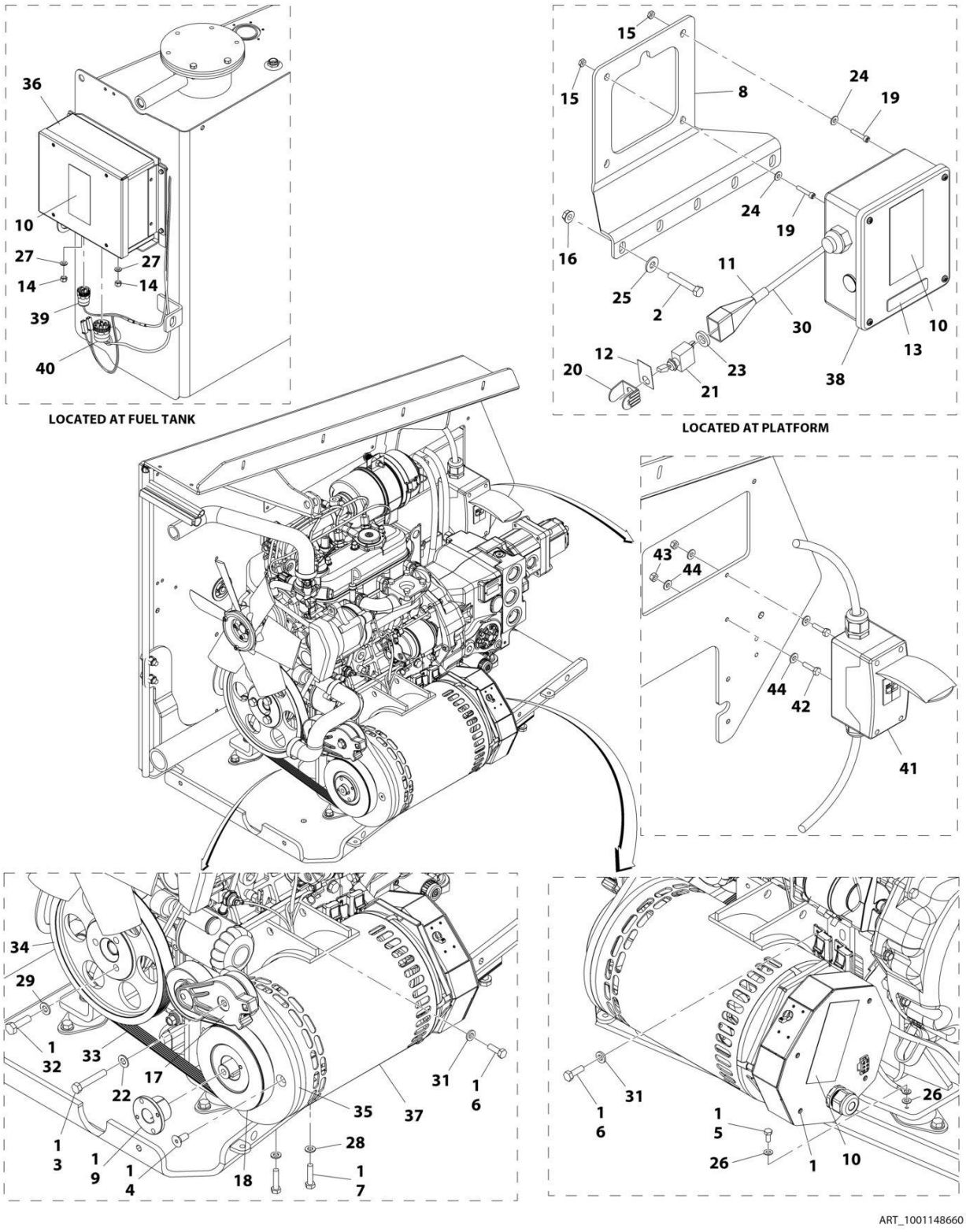


FIGURE 3-29. 4000W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 220V/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN, CE, CHINA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148660	Ref	4000W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 220V/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN, CE, CHINA AND JAPANESE SPECS)	D
1	0100011	AR	Compound, Locking	
2	0641516	3	Bolt 5/16 x 2 **(SN 0300200802 through 0300203564)**	
3	0641618	1	Bolt 3/8 x 2-1/4	
4	0741607	3	Bolt 3/8 x 0.88	
5	0760607	1	Bolt M6 x 14	
6	0760812	2	Bolt M8 x 25	
7	0760815	2	Bolt M8 x 35	
8	0902888	1	Bracket, Generator Junction Box **(SN 0300200802 through 0300203564)**	
9	0962520	1	Bushing, Split Taper	
10	1705489	AR	Decal - Hazardous Voltage	
11	2820031	AR	Heat Shrink	
12	3251102	1	Nameplate, Generator	
13	3251242	1	Decal - 240V/50Hz **(SN 0300200802 through 0300203564)**	
14	3290505	2	Nut M5	
15	3311005	4	Nut #10 **(SN 0300200802 through 0300203564)**	
16	3311508	3	Nut #5/16 **(SN 0300200802 through 0300203564)**	
17	3580317	1	Pulley, Belt Tensioner	
18	3580319	1	Pulley, Generator - 50Hz	
19	3931016	4	Bolt #10 x 1 **(SN 0300200802 through 0300203564)**	
20	4060802	1	Guard, Switch	
21	4360336	1	Switch, Toggle	
22	4711600	1	Washer 3/8	
23	4740397	1	Washer	
24	4751000	4	Washer #10 **(SN 0300200802 through 0300203564)**	
25	4751500	3	Washer #5/16 **(SN 0300200802 through 0300203564)**	
26	4791400	2	Washer 1/4	
27	4811600	2	Washer M5	
28	4811900	2	Washer M8	
29	4812000	3	Washer M10	
30	4922641	1	Harness, On/Off Switch	
31	5240800	2	Washer M8	
32	1001119929	3	Bolt M10 x 35	
33	1001147141	1	Belt, 4000W - 50Hz	
34	1001147233	1	Pulley	
35	1001147234	1	Mount, Generator Tensioner	
36	1001147431	1	4000W Control Box Installation	
37	1001150619	1	Generator, 4000W - 50Hz	
37	70003709	1	Ring, Retaining - External (Shaft End)	
37	70003708	1	Ring, Retaining - Internal (Shaft End)	
37	70001966	1	Bearing (Shaft End)	
37	70004092	1	Endbell (Shaft End)	
37	70004099	1	Key, Shaft	
37	70004676	1	Rotor/Shaft Assembly	
37	70004688	1	Stator	
37	70004678	1	Endbell (Closure End)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	70004679	1	Cover, Endbell (Closure End)	
37	70004689	1	Enclosure, Wiring	
37	70004690	1	Cover, Enclosure	
37	70004682	1	Switch, On/Off/Reset	
37	70004683	1	Connector, Strain Relief	
38	1001152458	1	Box, Junction Assembly **(SN 0300200802 through 0300203564)**	
39	1001157915	1	Harness, 4000W Generator	
40	1001157916	1	Harness, Generator (See ELECTRICAL SECTION for Breakdown)	
41	1001096070	1	Kit, Box and Bracket	
42	0641408	2	Bolt 1/4 x 1	
43	3311405	2	Nut 1/4	
44	4711400	4	Washer 1/4	

FIGURE 3-30. 4000W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 110V/60HZ GENERATOR (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)

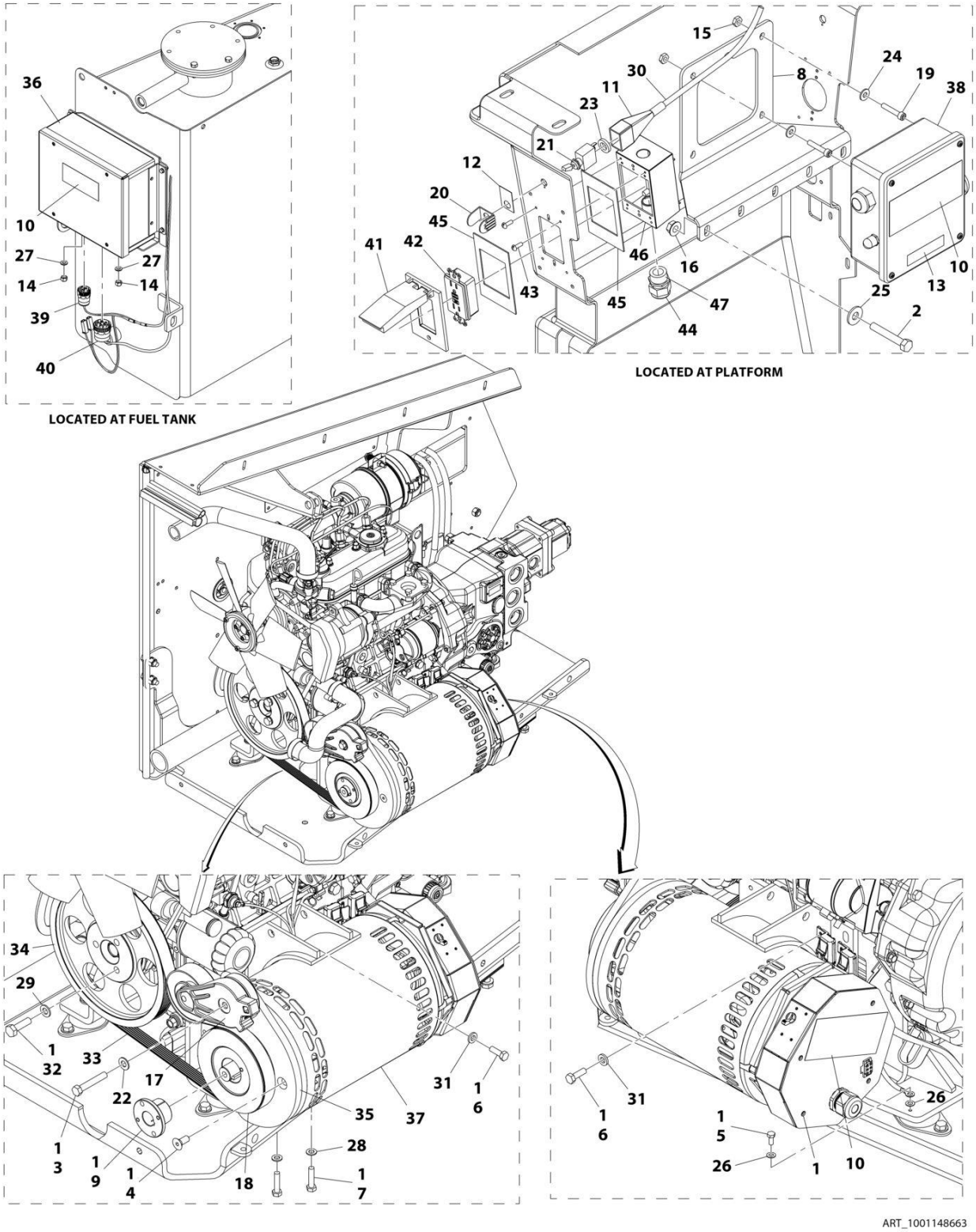


FIGURE 3-30. 4000W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 110V/60HZ GENERATOR (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148663	Ref	4000W GENERATOR INSTALLATION - KUBOTA ENGINE MACHINES 110V/60HZ GENERATOR (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)	C
1	0100011	AR	Compound, Locking	
2	0641516	3	Bolt 5/16-18 x 2	
3	0641618	1	Bolt 3/8-16 x 2-1/4	
4	0741607	3	Bolt 3/8-16 x 0.88	
5	0760607	1	Bolt M6 x 14	
6	0760812	2	Bolt M8 x 25	
7	0760815	2	Bolt M8 x 35	
8	0902888	1	Bracket, Generator Junction Box	
9	0962520	1	Bushing, Split Taper	
10	1705387	3	Decal - Hazardous Voltage	
11	2820031	AR	Heat Shrink	
12	3251102	1	Nameplate, Generator	
13	3251243	1	Decal - 120V/60Hz	
14	3290505	2	Nut M5	
15	3311005	4	Nut #10-24	
16	3311508	3	Nut #5/16-18	
17	3580317	1	Pulley, Belt Tensioner	
18	3580318	1	Pulley, Generator - 60Hz	
19	3931016	4	Bolt #10-24 x 1	
20	4060802	1	Guard, Switch	
21	4360336	1	Switch, Toggle	
22	4711600	1	Washer 3/8	
23	4740397	1	Washer	
24	4751000	4	Washer #10	
25	4751500	3	Washer #5/16	
26	4791400	2	Washer 1/4	
27	4811600	2	Washer M5	
28	4811900	2	Washer M8	
29	4812000	3	Washer M10	
30	4922641	1	Harness, On/Off Switch	
31	5240800	2	Washer M8	
32	1001119929	3	Bolt M10 x 35	
33	1001153814	1	Belt, 4000W - 60Hz	
34	1001147233	1	Pulley	
35	1001147234	1	Mount, Generator Tensioner	
36	1001147431	1	4000W Control Box Installation	
37	1001147436	1	Generator 4000W - 60Hz	
37	70003709	1	Ring, Retaining - External (Shaft End)	
37	70003708	1	Ring, Retaining - Internal (Shaft End)	
37	70001966	1	Bearing (Shaft End)	
37	70004092	1	Endbell (Shaft End)	
37	70004099	1	Key, Shaft	
37	70004676	1	Rottor/Shaft Assembly	
37	70004691	1	Stator	
37	70004678	1	Endbell (Enclosure End)	
37	70004679	1	Cover, Endbell (Enclosure End)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	70004689	1	Enclosure, Wiring	
37	70004692	1	Cover, Enclosure	
37	70004682	1	Switch, On/Off/Reset	
37	70004098	1	Connector, Strain Relief	
38	1001152457	1	Box, Junction Assembly	
39	1001157915	1	Harness, 4000W Generator	
40	1001157916	1	Harness, Generator (See ELECTRICAL SECTION for Breakdown)	
41	1001110873	1	Cover	
42	4460346	1	Receptacle	
43	3910606	4	Bolt 6-32 x 3/8	
44	4460071	1	Connector	
45	3960422	1	Gasket	
46	0860038	1	Box, Switch-Weatherhead	
47	0100020	AR	Sealant, Pipe	

SECTION 4 - BOOM

FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION - WITHOUT ARCTIC PACKAGE

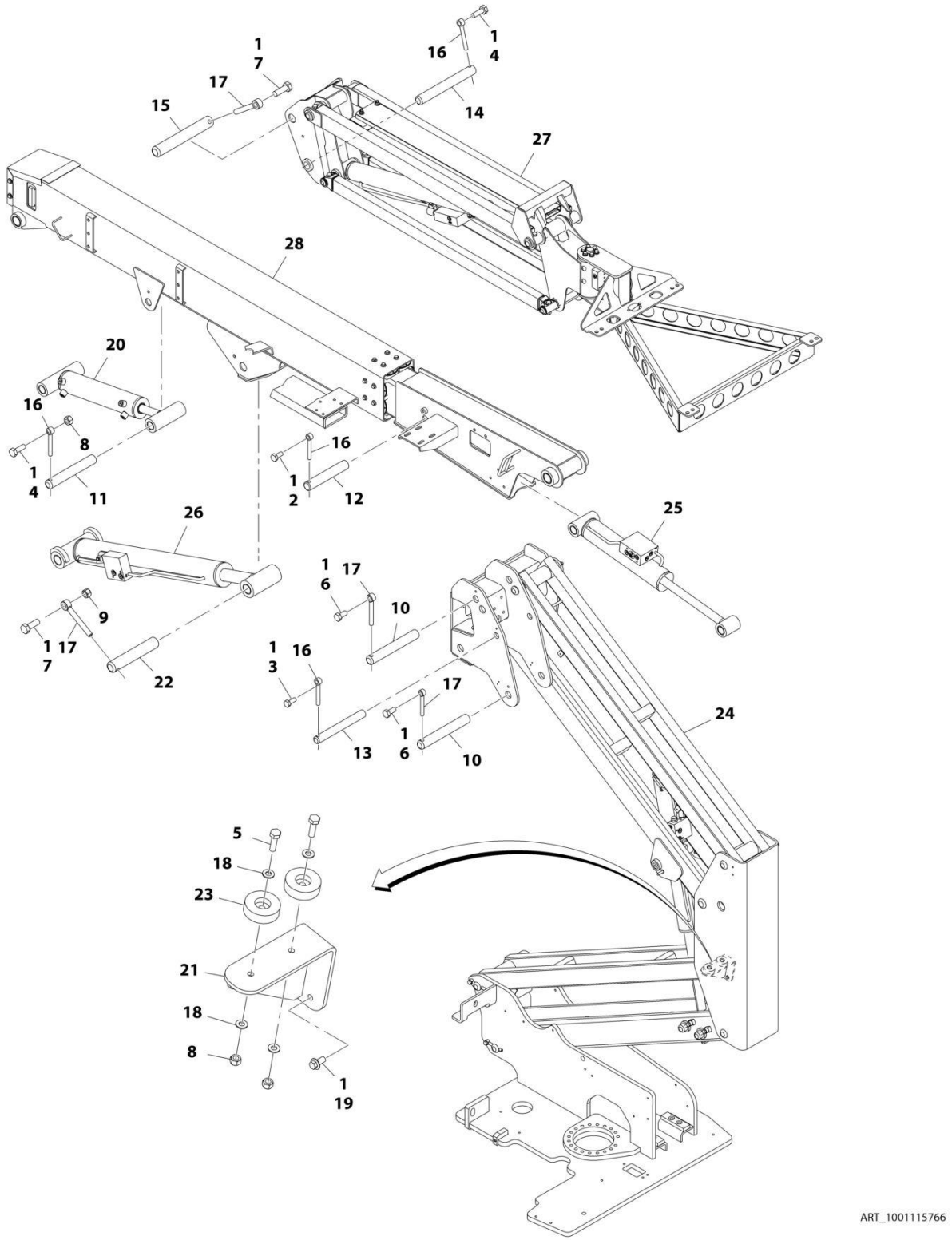


FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115766	Ref	BOOM AND CYLINDERS INSTALLATION - WITHOUT ARCTIC PACKAGE	D
1	0100011	AR	Compound, Locking	
2	0761011	1	Bolt M10 x 22	
3	0761012	1	Bolt M10 x 25	
4	0761014	2	Bolt M10 x 30	
5	0761015	2	Bolt M10 x 35	
6	0761212	2	Bolt M12 x 25	
7	0761215	2	Bolt M12 x 35	
8	3291005	3	Nut M10	
9	3291205	1	Nut M12	
10	3422576	2	Pin	
11	3422582	1	Pin	
12	3422709	1	Pin	
13	3422790	1	Pin	
14	3422792	1	Pin	
15	3422814	1	Pin	
16	3841143	4	Keeper, Pin	
17	3841203	4	Keeper, Pin	
18	4812000	4	Washer M10	
19	5251010	3	Bolt M10 x 20	
20	1001120976	1	Master Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
21	1001125235	1	Rest, Boom	
22	1001109528	1	Pin	
23	1001112607	2	Pad, Boom Rest	
24	1001115672	1	Tower Boom Assembly (See TOWER BOOM ASSEMBLY for Breakdown)	
25	1001117375	1	Level Cylinder Assembly - Platform (Slave) (See CYLINDER SECTION for Breakdown) **(SN 0300200802 through 0300238046)**	
25	1001225990	1	Level Cylinder Assembly - Platform (Slave) (See CYLINDER SECTION for Breakdown) **(SN 0300238046 through 0300272222, Except SN 0300272191 through 0300272192)**	
26	1001117640	1	Lift Cylinder Assembly - Main Boom (See CYLINDER SECTION for Breakdown)	
27	1001117884	1	Jib Assembly (See JIB ASSEMBLY - WITHOUT ARCTIC PACKAGE for Breakdown)	
28	1001117885	1	Main Boom Assembly (See MAIN BOOM ASSEMBLY for Breakdown)	

FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION - WITH ARCTIC PACKAGE

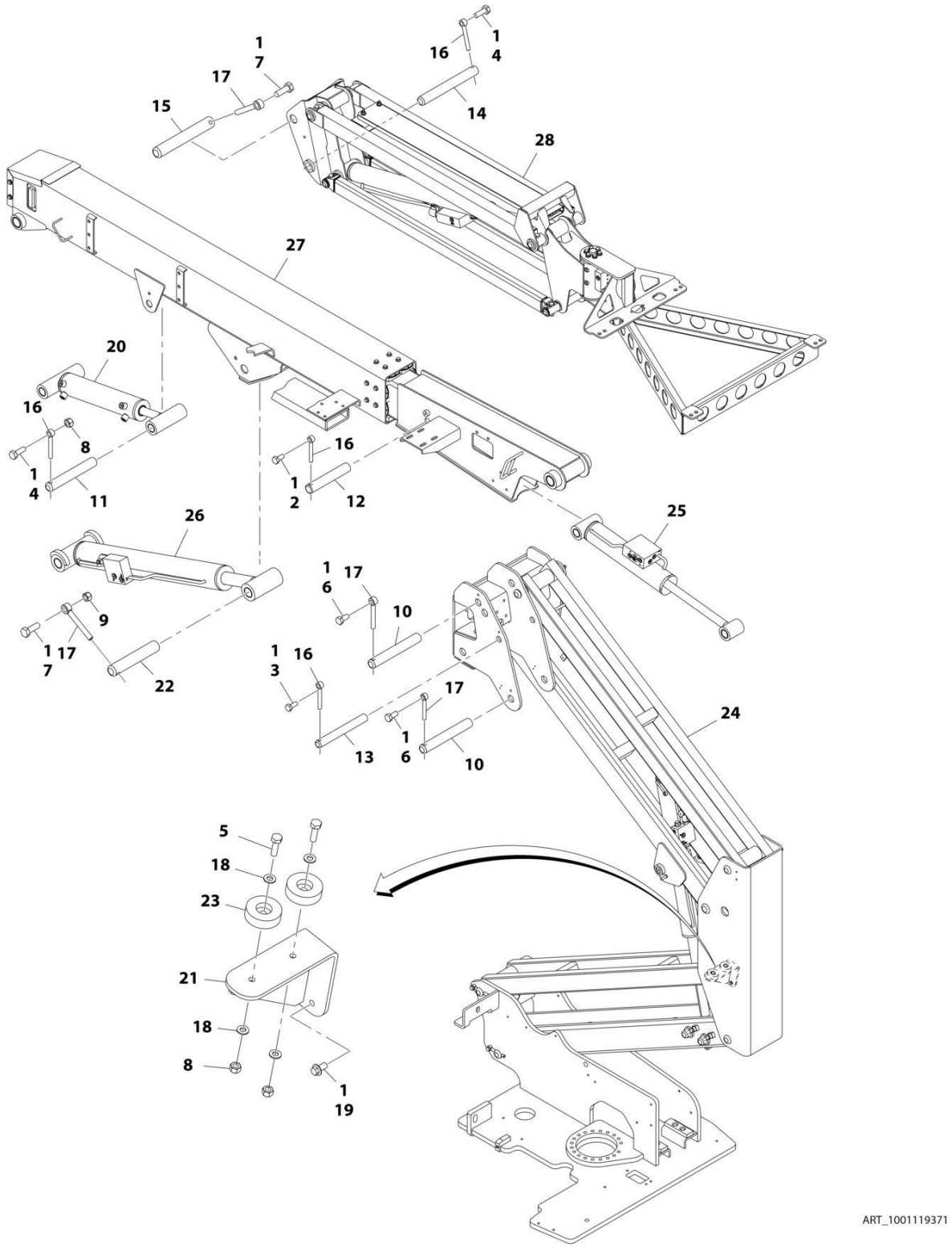


FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119371	Ref	BOOM AND CYLINDERS INSTALLATION - WITH ARCTIC PACKAGE	D
1	0100011	AR	Compound, Locking	
2	0761011	1	Bolt M10 x 22	
3	0761012	1	Bolt M10 x 25	
4	0761014	2	Bolt M10 x 30	
5	0761015	2	Bolt M10 x 35	
6	0761212	2	Bolt M12 x 25	
7	0761215	2	Bolt M12 x 35	
8	3291005	3	Nut M10	
9	3291205	1	Nut M12	
10	3422576	2	Pin	
11	3422582	1	Pin	
12	3422709	1	Pin	
13	3422790	1	Pin	
14	3422792	1	Pin	
15	3422814	1	Pin	
16	3841143	4	Keeper, Pin	
17	3841203	4	Keeper, Pin	
18	4812000	4	Washer M10	
19	5251010	3	Bolt M10 x 20	
20	1001120976	1	Master Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
21	1001125235	1	Rest, Boom	
22	1001109528	1	Pin	
23	1001112607	2	Pad, Boom Rest	
24	1001115672	1	Tower Boom Assembly (See TOWER BOOM ASSEMBLY for Breakdown)	
25	1001117375	1	Level Cylinder Assembly - Platform (Slave) (See CYLINDER SECTION for Breakdown) **(SN 0300200802 through 0300238046)**	
25	1001225990	1	Level Cylinder Assembly - Platform (Slave) (See CYLINDER SECTION for Breakdown) **(SN 0300238046 through 0300272222, Except SN 0300272191 through 0300272192)**	
26	1001117640	1	Lift Cylinder Assembly - Main Boom (See CYLINDER SECTION for Breakdown)	
27	1001117885	1	Main Boom Assembly Options (See MAIN BOOM ASSEMBLY for Breakdown)	
28	1001119370	1	Jib Assembly (See JIB ASSEMBLY - WITH ARCTIC PACKAGE for Breakdown)	

FIGURE 4-3. TOWER BOOM ASSEMBLY

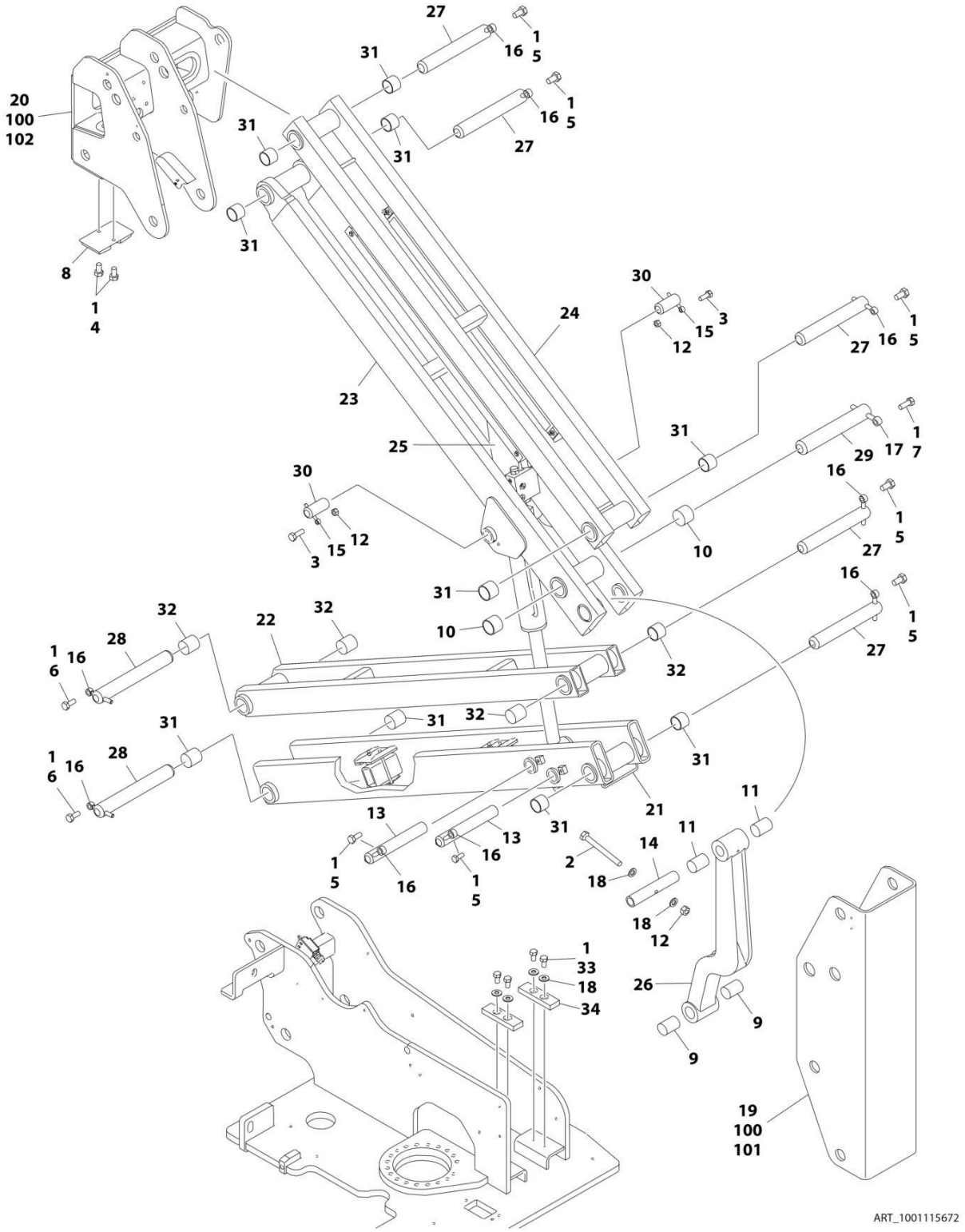


FIGURE 4-3. TOWER BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115672	Ref	TOWER BOOM ASSEMBLY	D
1	0100011	AR	Compound, Locking	
2	0701027	1	Bolt M10 x 100	
3	0761015	2	Bolt M10 x 35	
4	0761210	2	Bolt M12 x 20	
5	0761212	7	Bolt M12 x 25	
6	0761214	2	Bolt M12 x 30	
7	0761615	2	Bolt M16 x 35	
8	0940048	1	Bumper	
9	0961948	2	Bearing	
10	0962224	2	Bearing	
11	0962259	2	Bearing	
12	3291005	3	Nut M10	
13	3422787	2	Pin	
14	3422788	1	Pin	
15	3841143	2	Keeper, Pin	
16	3841203	9	Keeper, Pin	
17	3841258	1	Keeper, Pin	
18	4812000	6	Washer M10	
19	1001115649	1	Upright (Bottom) **(SN 0300200802 through 0300234100)**	
20	1001115650	1	Upright (Top) **(SN 0300200802 through 0300234100)**	
21	1001115657	1	Link, Lower Boom (Bottom)	
22	1001115661	1	Link, Lower Boom (Top)	
23	1001115663	1	Link, Mid Boom (Bottom)	
24	1001115669	1	Link, Mid Boom (Top)	
25	1001122527	1	Lift Cylinder Assembly - Tower Boom (See CYLINDER SECTION for Breakdown)	
26	1001115870	1	Link, Timing	
27	1001116546	5	Pin	
28	1001116547	2	Pin	
29	1001116548	1	Pin	
30	1001116549	2	Pin	
31	1001118665	10	Bearing	
32	1001118666	4	Bearing	
33	0761010	4	Bolt M10 x 20	
34	3340758	2	Pad, Wear	
100	1001231153	1	Lower Upright Boom Kit **(SN 0300234101 through 0300272222, Except SN 0300272191 through 0300272192)**	
101	1001115649	1	Upright, Lower	
102	1001115650	1	Upright, Upper	

FIGURE 4-4. MAIN BOOM ASSEMBLY

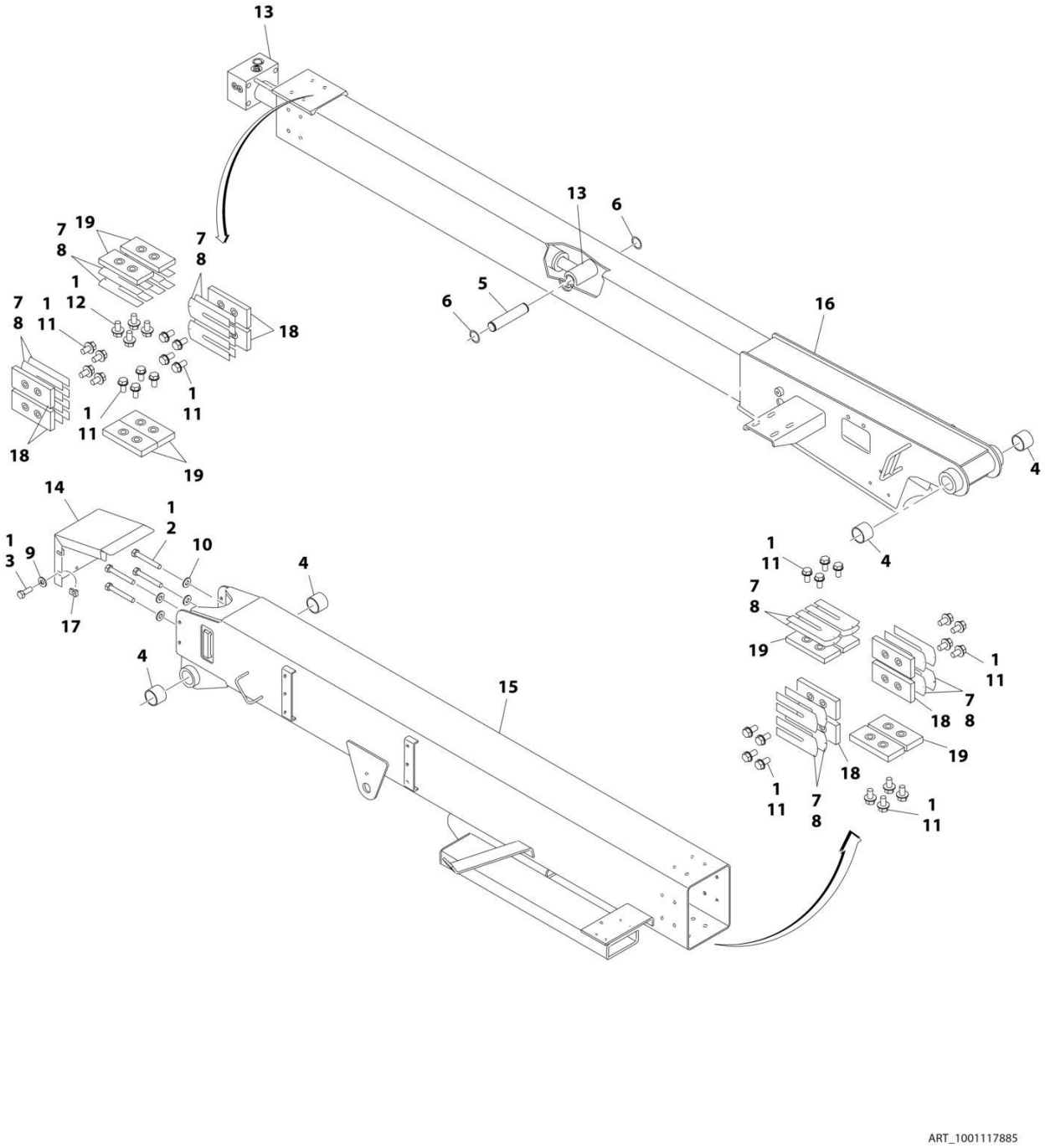


FIGURE 4-4. MAIN BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117885	Ref	MAIN BOOM ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0711227	4	Bolt M12 x 100 Grade 10.9	
3	0760812	4	Bolt M8 x 25	
4	0961948	4	Bushing	
5	3422745	1	Pin	
6	3760115	2	Ring, Retaining	
7	4070897	16	Shim 18Ga	
8	4070898	12	Shim 11Ga	
9	4811902	4	Washer M8	
10	5241200	4	Washer M12	
11	5251010	28	Bolt M10 x 20	
12	5251012	4	Bolt M10 x 25	
13	1001120974	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
14	1001108290	1	Cover, Boom End	
15	1001116876	1	Boom, Base	
16	1001116877	1	Boom, Fly	
17	1001118274	4	Nut, Retainer M8	
18	1001118287	8	Pad, Wear	
19	1001118288	8	Pad, Wear	

FIGURE 4-5. JIB ASSEMBLY - WITHOUT ARCTIC PACKAGE

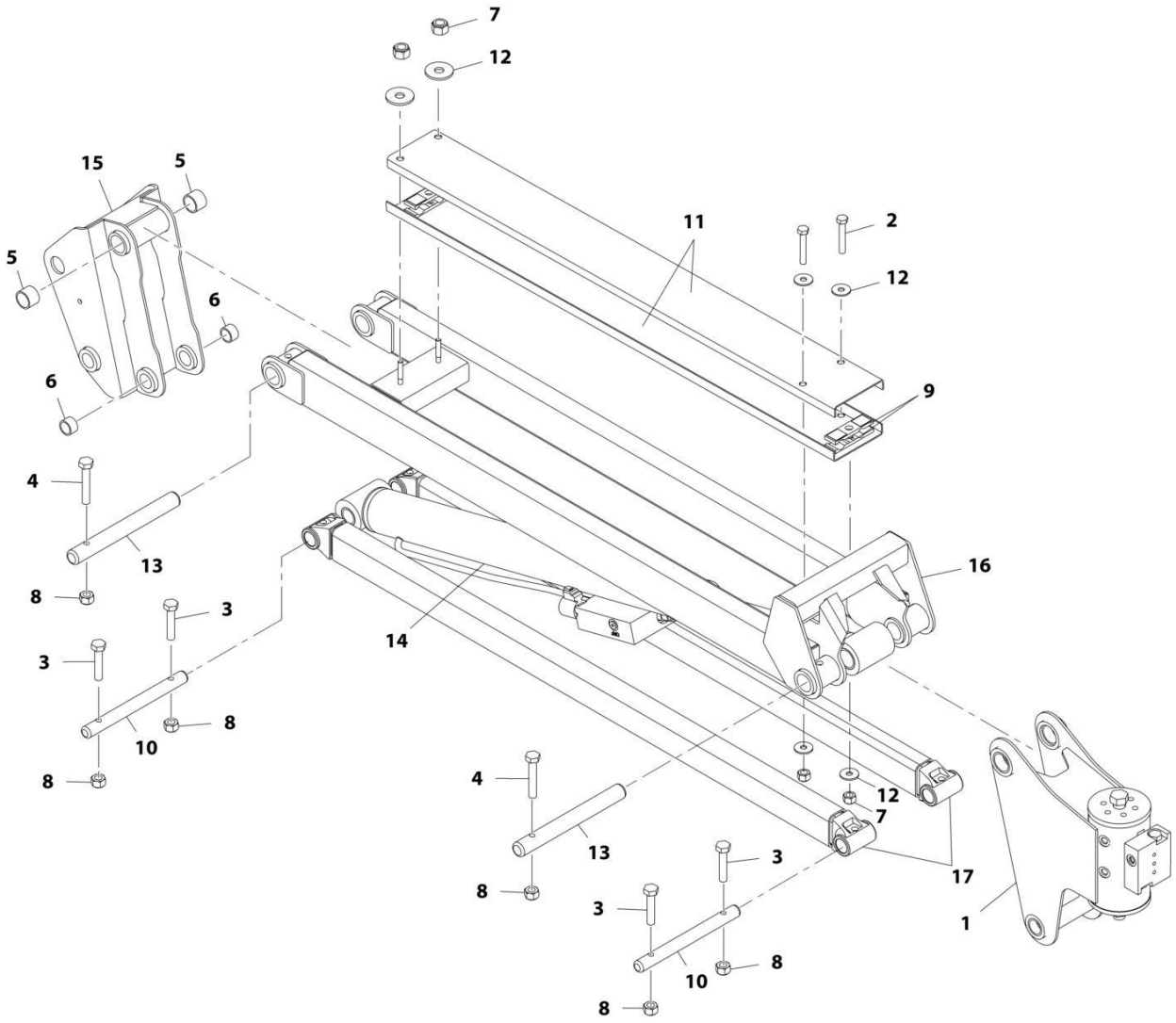


FIGURE 4-5. JIB ASSEMBLY - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117884	Ref	JIB ASSEMBLY - WITHOUT ARCTIC PACKAGE	C
1	0060044	1	Platform Rotator Assembly (See PLATFORM ROTATOR ASSEMBLY - WITHOUT ARCTIC PACKAGE for Breakdown)	
2	0700818	2	Bolt M8 x 50	
3	0701018	4	Bolt M10 x 50	
4	0701020	2	Bolt M10 x 60	
5	0961951	2	Bushing	
6	0962292	2	Bushing	
7	3290805	4	Nut M8	
8	3291005	6	Nut M10	
9	3340860	4	Pad, Rubber	
10	3422791	2	Pin	
11	3572551	2	Channel, Hose Carrier	
12	4811902	6	Washer M8	
13	1001116550	2	Pin	
14	1001123004	1	Lift Cylinder Assembly - Jib (See CYLINDER SECTION for Breakdown)	
15	1001118394	1	Pivot, Jib	
16	1001118482	1	Link, Jib (Top)	
17	1001118516	2	Link, Jib (Bottom) **(SN 0300200802 through 0300215034)**	
17	1001094670	2	Link, Jib (Bottom) **(SN 0300215035 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 4-6. JIB ASSEMBLY - WITH ARCTIC PACKAGE

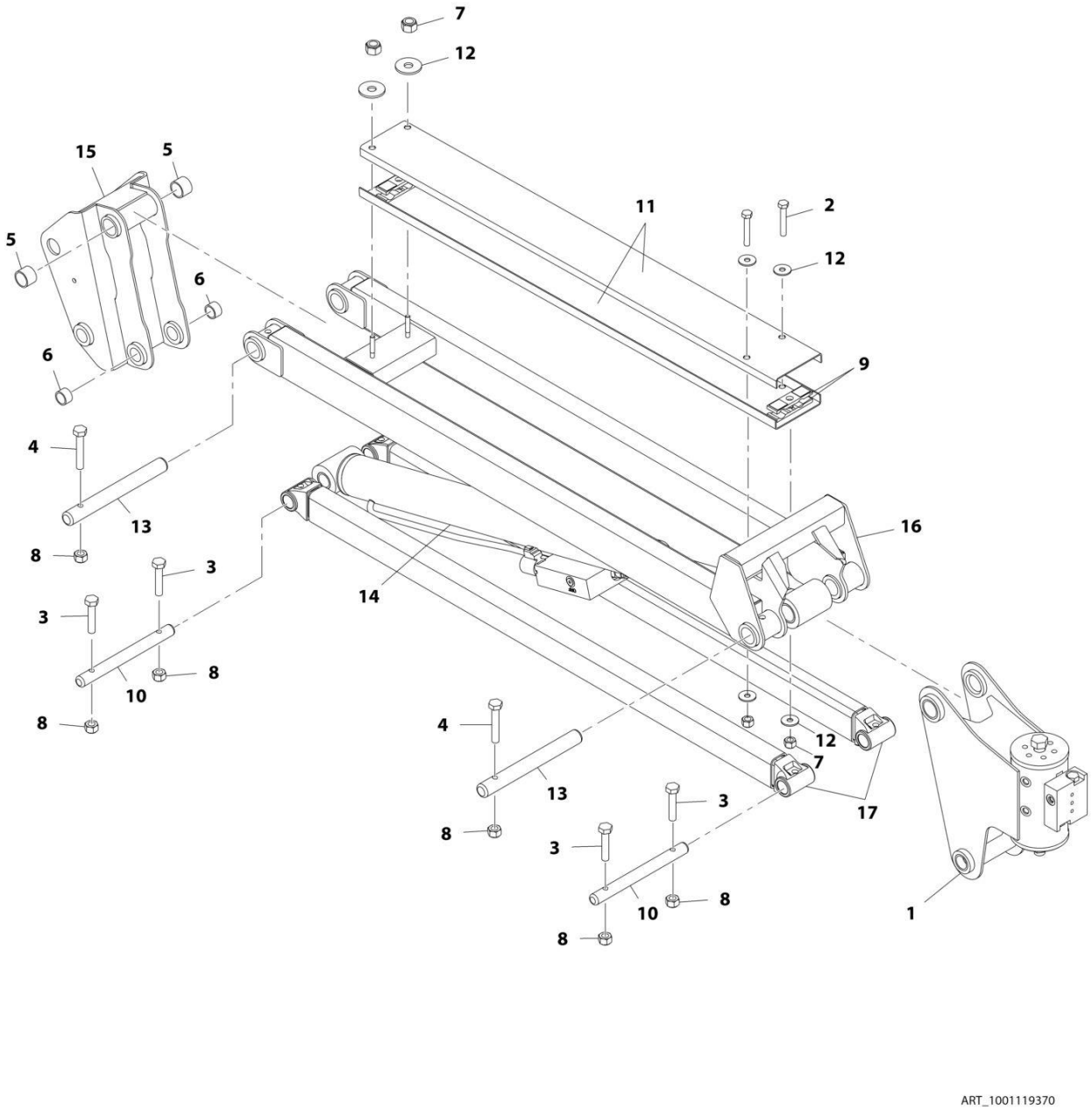


FIGURE 4-6. JIB ASSEMBLY - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119370	Ref	JIB ASSEMBLY - WITH ARCTIC PACKAGE	C
1	1001119369	1	Platform Rotator Assembly (See PLATFORM ROTATOR ASSEMBLY - WITH ARCTIC PACKAGE for Breakdown)	
2	0700818	2	Bolt M8 x 50	
3	0701018	4	Bolt M10 x 50	
4	0701020	2	Bolt M10 x 60	
5	0961951	2	Bushing	
6	0962292	2	Bushing	
7	3290805	4	Nut M8	
8	3291005	6	Nut M10	
9	3340860	4	Pad, Rubber	
10	3422791	2	Pin	
11	3572551	2	Channel, Hose Carrier	
12	4811902	6	Washer M8	
13	1001116550	2	Pin	
14	1001123004	1	Lift Cylinder Assembly - Jib (See CYLINDER SECTION for Breakdown)	
15	1001118394	1	Pivot, Jib	
16	1001118482	1	Link, Jib (Top)	
17	1001118516	2	Link, Jib (Bottom) **(SN 0300200802 through 0300215034)**	
17	1001094670	2	Link, Jib (Bottom) **(SN 0300215035 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 4-7. PLATFORM ROTATOR ASSEMBLY - WITHOUT ARCTIC PACKAGE

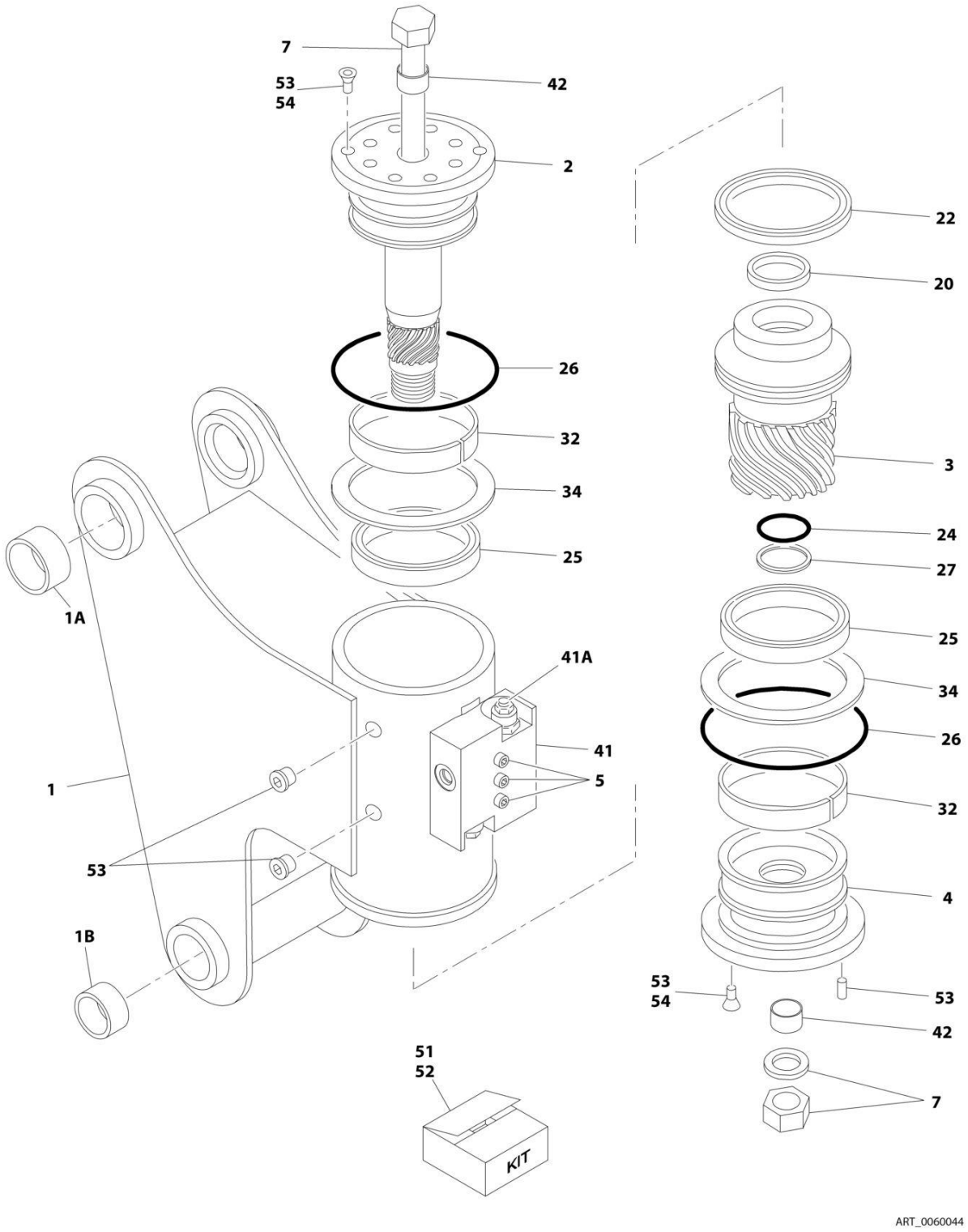


FIGURE 4-7. PLATFORM ROTATOR ASSEMBLY - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0060044	Ref	PLATFORM ROTATOR ASSEMBLY - WITHOUT ARCTIC PACKAGE	D
1	See Note	1	Case/Bracket Weldment (Note: Not Available - Purchase Complete Assembly)	
1A	0962257	2	Bushing	
1B	0961947	2	Bushing	
2	7017120	1	Shaft (Rotator with Helac Control #25928)	
2	7017196	1	Shaft (Rotator with Helac Control #26962)	
3	7017121	1	Piston Sleeve (Rotator with Helac Control #25928)	
3	7027900	1	Piston Sleeve (Rotator with Helac Control #26962)	
4	See Note	1	Cap, End (Rotator with Helac Control #25928) (Note: Use p/n 0060044)	
4	7027901	1	Cap, End (Rotator with Helac Control #26962)	
5	See Note	NSS	Capscrew, 1/4 x 1-1/2 Grade 8 (Note: Not Available - Purchase Locally)	
7	7017126	1	Tie Rod Assembly	
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)	
26	See Note	NSS	Seal (Note: Use Item 52)	
27	See Note	NSS	Ring, Back-up Cap (Note: Use Item 52)	
32	See Note	NSS	Bearing, Shaft (Note: Use Item 51)	
34	See Note	NSS	Washer, Thrust (Note: Use Item 51)	
41	7017172	1	Counterbalance Valve Assembly (Helac p/n 24327, 26553 or 26554 Stamped Beside Mounting Screws)	
41A	7011323	2	Valve, Cartridge (Helac p/n 24327 Valve)	
41A	2900770	2	Seal Kit - 7011323 Cartridge (1 Per Assembly)	
41A	7017192	2	Valve Cartridge (Helac p/n 26553 or 26554) (No Seal Kit Available)	
42	70004323	2	Bushing, Shaft	
51	7017122	1	Bearing Kit (Includes Items 32-34)	
52	7017127	1	Seal Kit - Standard (Includes Items 20, 22, 24, 25, 26 & 27)	
52	70000341	1	Seal Kit - Low Temperature (Includes Items 20, 22, 24, 25, 26 & 27)	
53	7017123	1	Hardware Kit	
54	70001697	4	Screw 1/4-20 x 3/8 Grade 8	

FIGURE 4-8. PLATFORM ROTATOR ASSEMBLY - WITH ARCTIC PACKAGE

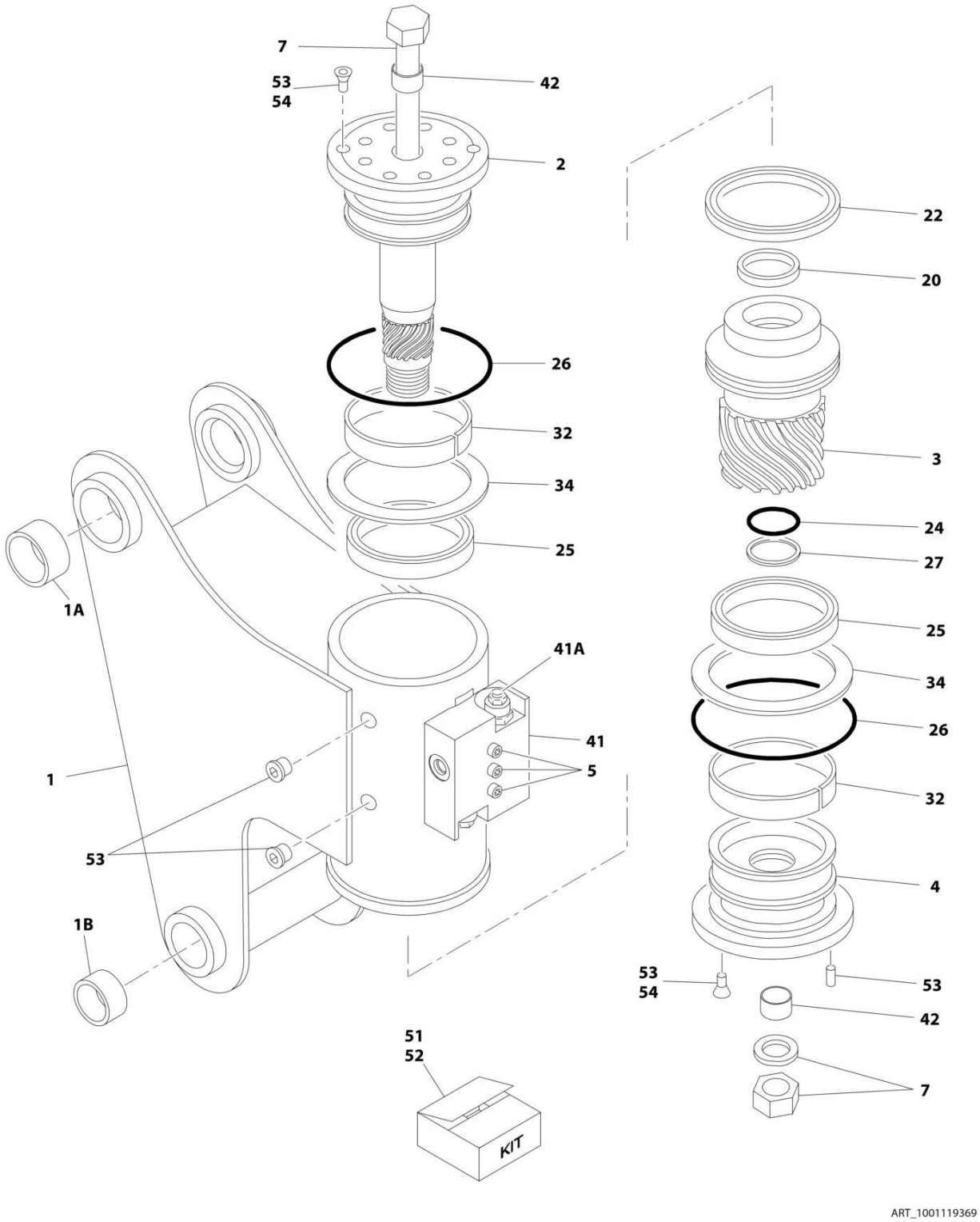


FIGURE 4-8. PLATFORM ROTATOR ASSEMBLY - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119369	Ref	PLATFORM ROTATOR ASSEMBLY - WITH ARCTIC PACKAGE	B
1	See Note	1	Case/Bracket Weldment (Note: Not Available - Purchase Complete Assembly)	
1A	0962257	2	Bushing	
1B	0961947	2	Bushing	
2	7017196	1	Shaft	
3	7027900	1	Piston Sleeve	
4	7027901	1	Cap, End	
5	See Note	NSS	Capscrew, 1/4 x 1-1/2 Grade 8 (Note: Not Available - Purchase Locally)	
7	7017126	1	Tie Rod Assembly	
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)	
26	See Note	NSS	Seal (Note: Use Item 52)	
27	See Note	NSS	Ring, Back-up Cap (Note: Use Item 52)	
32	See Note	NSS	Bearing, Shaft (Note: Use Item 51)	
34	See Note	NSS	Washer, Thrust (Note: Use Item 51)	
41	7017172	1	Counterbalance Valve Assembly	
41A	7017192	2	Valve Cartridge (No Seal Kit Available)	
42	70004323	2	Bushing, Shaft	
51	7017122	1	Bearing Kit (Includes Items 32-34)	
52	70004322	1	Seal Kit (Includes Items 20, 22, 24, 25, 26 & 27)	
53	7017123	1	Hardware Kit	
54	70001697	4	Screw 1/4-20 x 3/8 Grade 8	

FIGURE 4-9. PLATFORM SUPPORT INSTALLATION - WITHOUT LSS

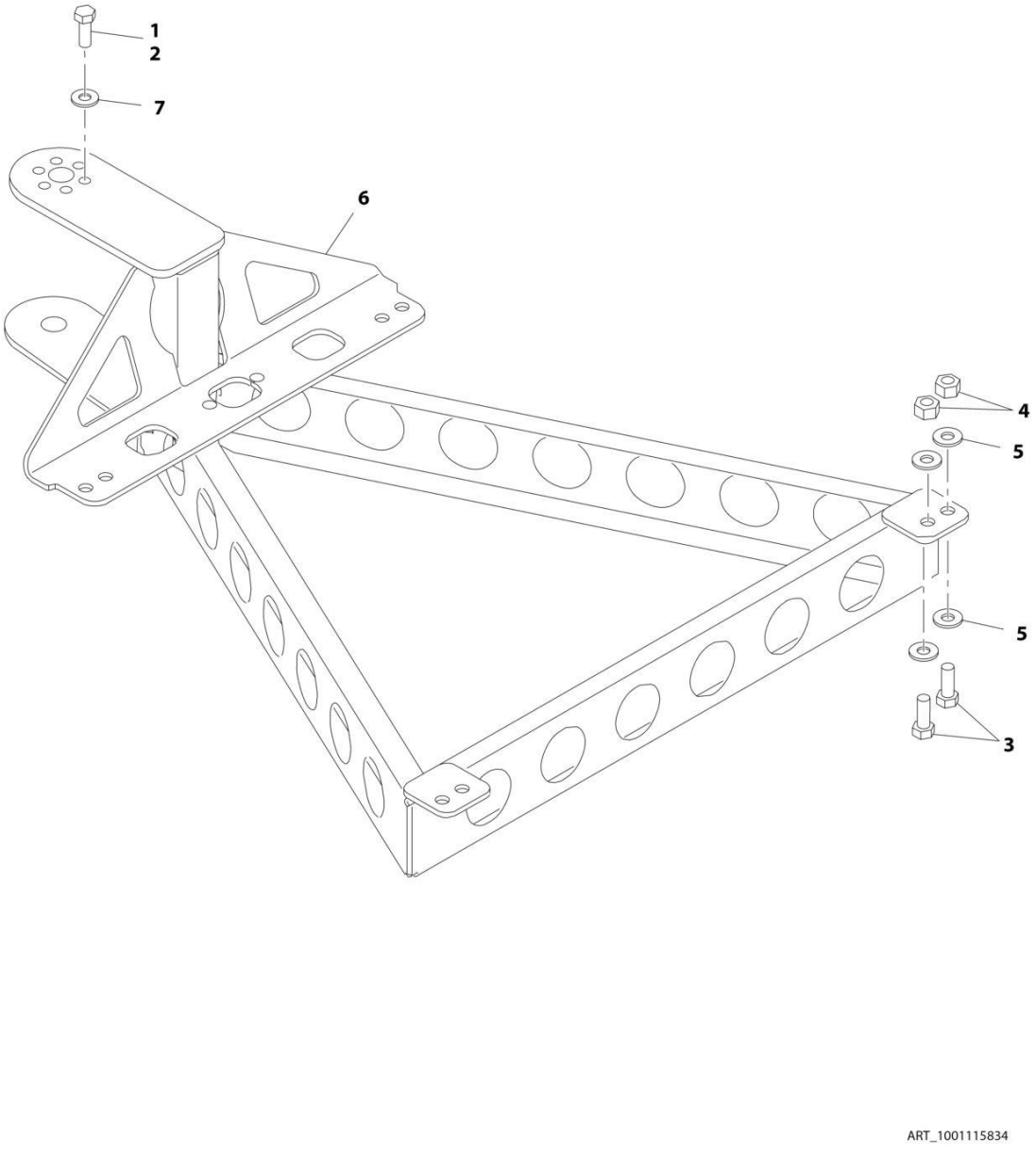


FIGURE 4-9. PLATFORM SUPPORT INSTALLATION - WITHOUT LSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115834	Ref	PLATFORM SUPPORT INSTALLATION - WITHOUT LSS	B
1	0100011	AR	Compound, Locking	
2	0681608	6	Bolt 3/8-16 x 1 Grade 8	
3	0761015	8	Bolt M10 x 35 **(SN 0300200802 through 0300239703)**	
3	0761215	8	Bolt M12 x 35 **(SN 0300239703 through 0300272222, Except SN 0300272191 through 0300272192)**	
4	3291005	8	Nut M10 **(SN 0300200802 through 0300239703)**	
4	3291205	8	Nut M12 **(SN 0300239703 through 0300272222, Except SN 0300272191 through 0300272192)**	
5	4812000	16	Washer M10 **(SN 0300200802 through 0300239703)**	
5	5241200	16	Washer M12 **(SN 0300239703 through 0300272222, Except SN 0300272191 through 0300272192)**	
6	4846608	1	Support, Platform	
7	4891600	6	Washer 3/8	

FIGURE 4-10. PLATFORM SUPPORT INSTALLATION - WITH 4 CELL LSS

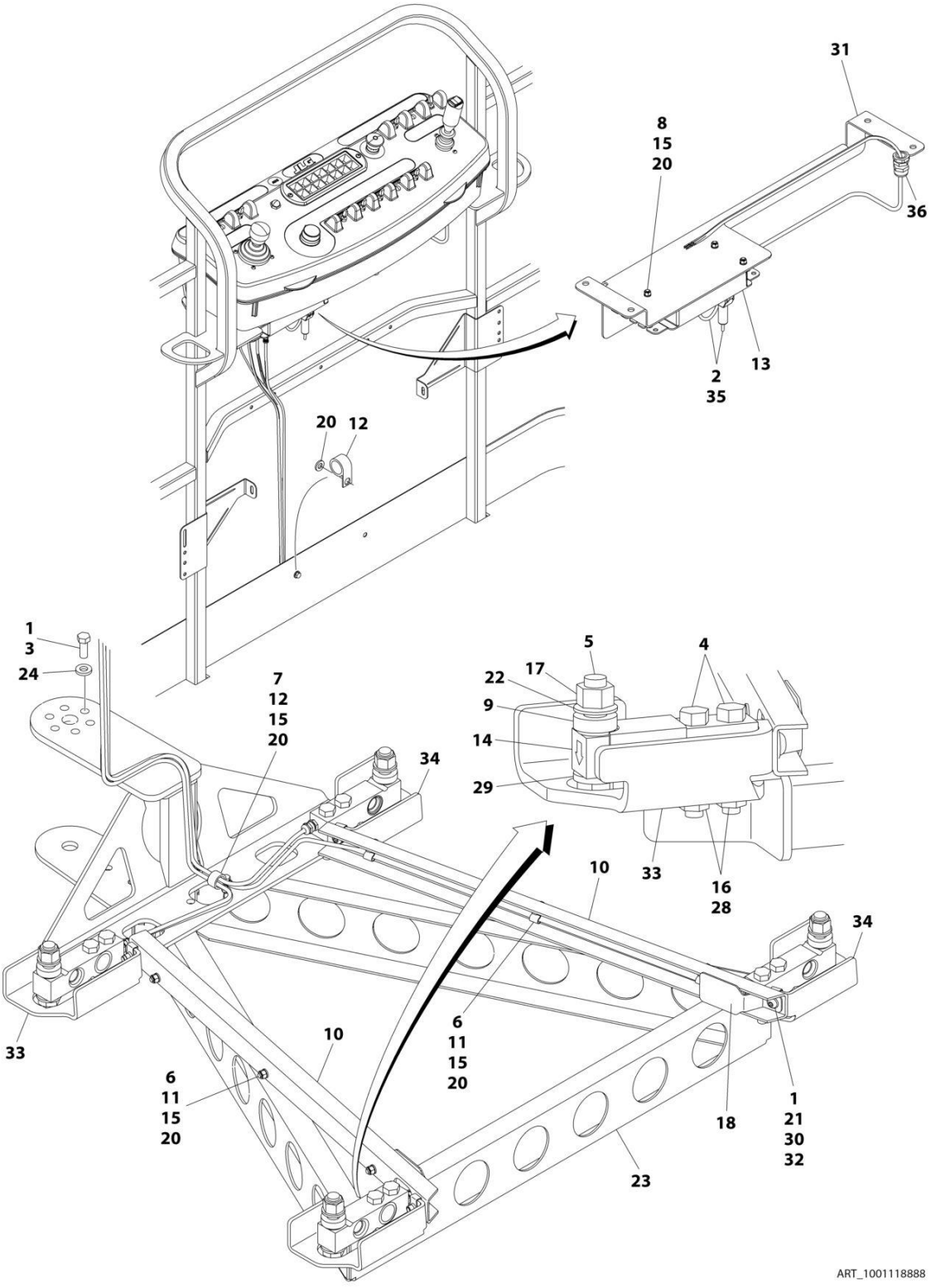


FIGURE 4-10. PLATFORM SUPPORT INSTALLATION - WITH 4 CELL LSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118888	Ref	PLATFORM SUPPORT INSTALLATION - WITH 4 CELL LSS	D
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0681608	6	Bolt 3/8 x 1	
4	0701222	8	Bolt M12 x 70	
5	0701624	4	Bolt M16 x 80	
6	0760608	6	Bolt M6 x 16	
7	0760610	1	Bolt M6 x 20	
8	0760618	3	Bolt M6 x 50	
9	0962450	4	Bushing, Spacer	
10	1271538	2	Channel	
11	1320136	6	Clamp	
12	1320224	2	Clamp	
13	1600387	1	Electronic Interface Module	
14	2420202	4	Load Cell Assembly	
15	3272605	10	Nut 1	
16	3291205	8	Nut M12	
17	3291605	4	Nut M16	
18	4061054	2	Shield	
19	4240033	AR	Tie-Strap (Not Shown)	
20	4811700	15	Washer M6	
21	4811900	4	Washer M8	
22	4812300	4	Washer M16	
23	4846608	1	Platform Support	
24	4891600	6	Washer 3/8	
28	5241200	8	Washer M12	
29	5241600	4	Washer M16	
30	8310643	4	Screw M8 x 25	
31	1001113483	1	Bracket, Module Mount	
32	1001118274	4	Nut M8	
33	1001118909	2	Bracket, Cell Guard	
34	1001118910	2	Bracket, Cell Guard	
35	1001120371	1	Harness	
36	4460428	1	Connector, Strain Relief	

FIGURE 4-11. PLATFORM SUPPORT INSTALLATION - WITH 1 CELL LSS

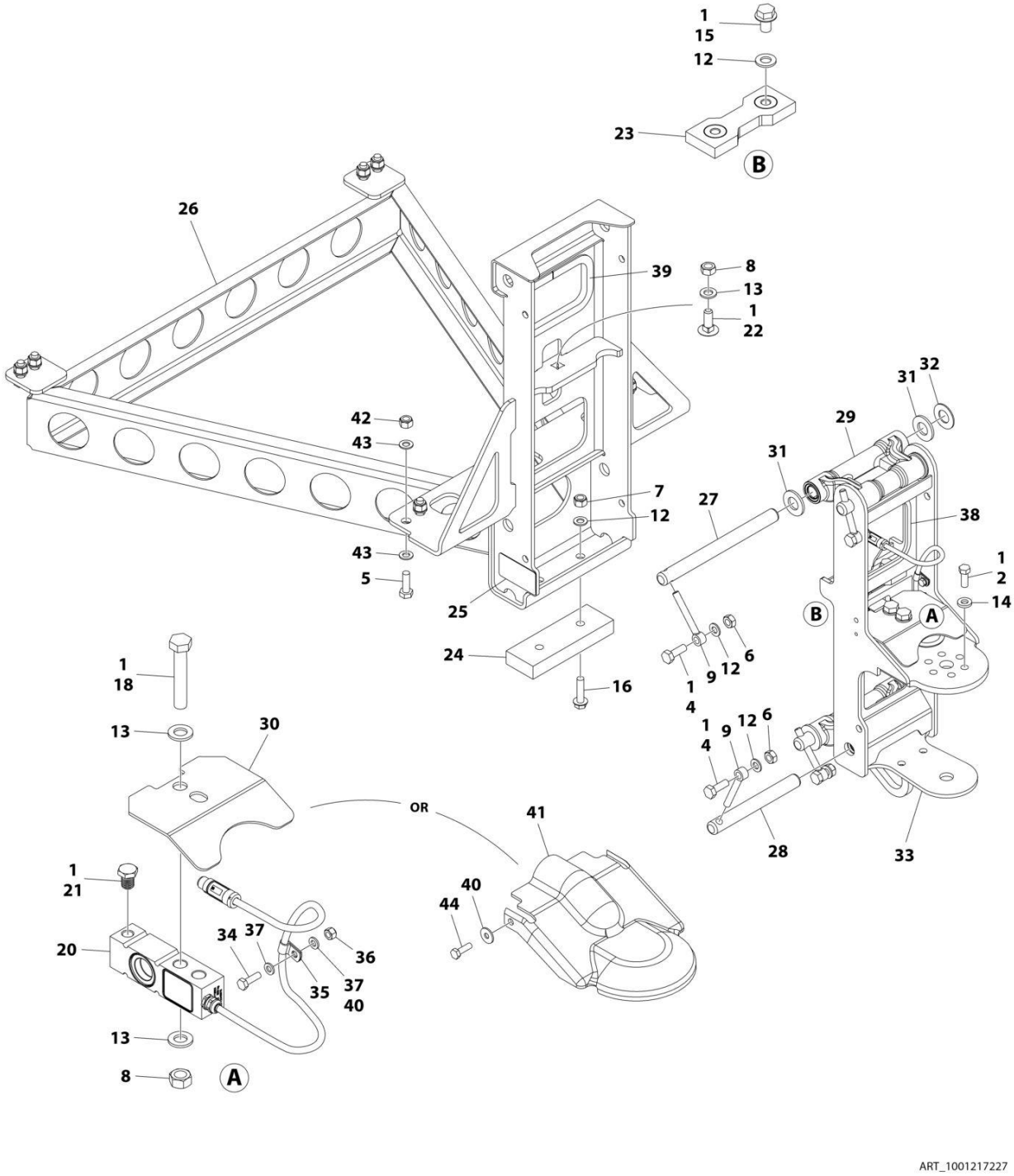


FIGURE 4-11. PLATFORM SUPPORT INSTALLATION - WITH 1 CELL LSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217227	Ref	PLATFORM SUPPORT INSTALLATION - WITH 1 CELL LSS	E
1	0100011	AR	Compound, Locking	
2	0681608	6	Bolt 3/8 x 1	
4	0761014	4	Bolt M10 x 30	
5	0761015	8	Bolt M10 x 35 **(SN 0300200802 through 0300239703)**	
5	0761215	8	Bolt M12 x 35 **(SN 0300239703 through 0300272222, Except SN 0300272191 through 0300272192)**	
6	3291001	4	Nut M10	
7	3291005	AR	Nut M10	
8	3291201	3	Nut M12	
9	3841143	4	Keeper, Pin	
12	4812000	AR	Washer M10	
13	4812100	5	Washer M12	
14	4891600	6	Washer 3/8	
15	5251008	2	Bolt M10 x 16	
16	5251016	2	Bolt M10 x 40	
18	1001098828	2	Bolt M12 x 70 Grade 10.9	
20	1001172663	1	Gauge, Load Sensing	
21	1001188622	1	Screw	
22	1001188844	1	Bolt M12 x 35	
23	1001190985	1	Pad, Wear	
24	1001200491	1	Pad, Wear	
25	1001216630	2	Decal - Tie Down/No Lift	
26	1001217228	1	Platform Support	
27	1001217242	2	Pin	
28	1001217243	2	Pin	
29	1001217244	2	Link	
30	1001217250	1	Plate **(SN 0300200802 through 0300235537)**	
31	1001217253	8	Bearing, Thrust	
32	1001217254	4	Bearing, Thrust	
33	1001217267	1	Support	
34	0760610	AR	Bolt M6 x 20	
35	1320136	1	Clamp	
36	3290605	1	Nut M6	
37	4811700	2	Washer M6 **(SN 0300200802 through 0300235537)**	
38	4060804	14.4 in/ 36.5cm	Shield	
39	4060805	15.9 in/ 40.5 cm	Shield	
40	4811702	3	Washer M6 **(SN 0300235538 through 0300272222, Except SN 0300272191 through 0300272192)**	
41	1001228627	1	Cover **(SN 0300235538 through 0300272222, Except SN 0300272191 through 0300272192)**	
42	3291205	AR	Nut M12 **(SN 0300239703 through 0300272222, Except SN 0300272191 through 0300272192)**	
43	5241200	AR	Washer M12 **(SN 0300239703 through 0300272222, Except SN 0300272191 through 0300272192)**	
44	0760606	AR	Bolt M6 x 12 **(SN 0300239703 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 4-12. POWER TRACK INSTALLATION

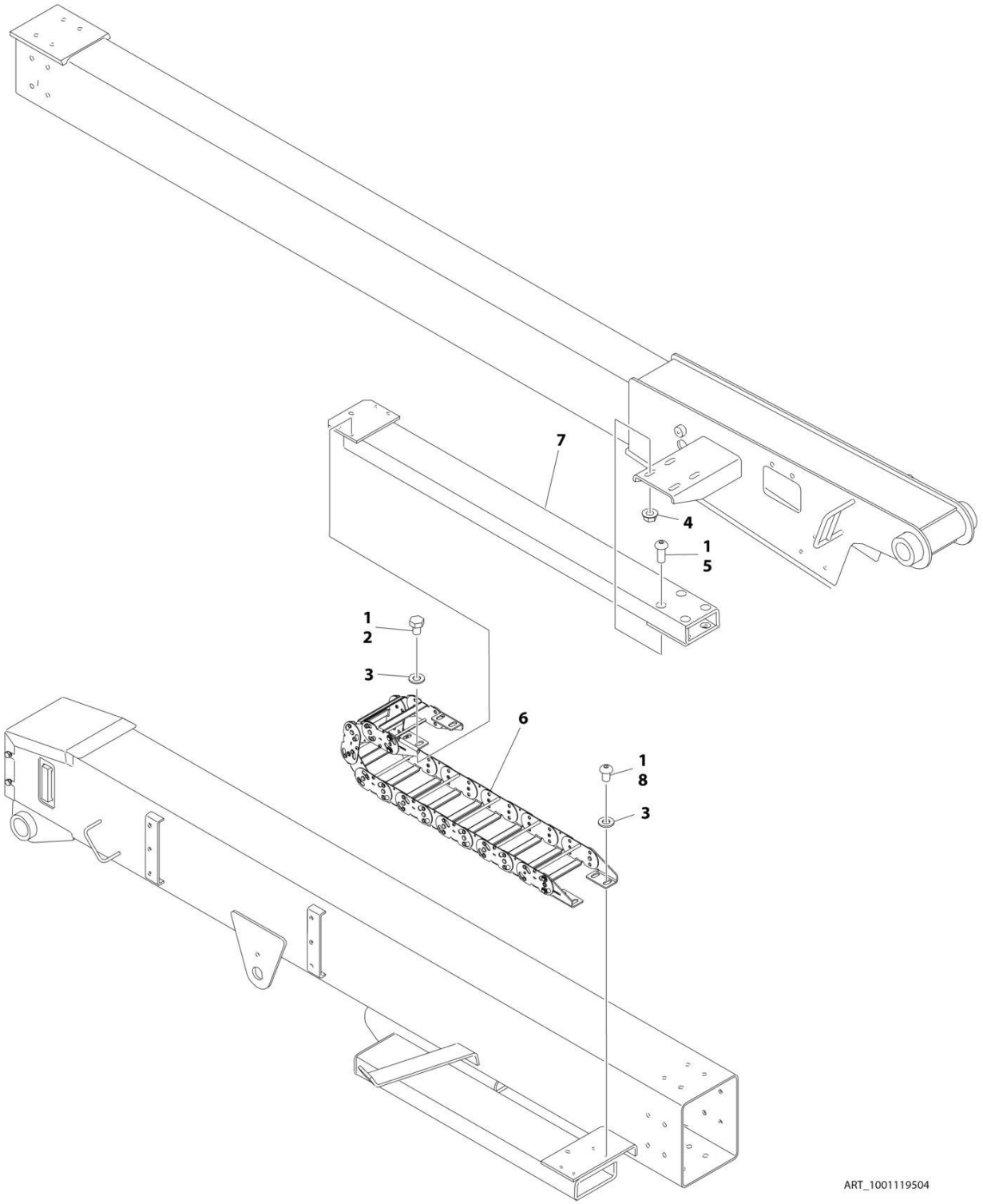


FIGURE 4-12. POWER TRACK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119504	Ref	POWER TRACK INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0761007	4	Bolt M10 x 14	
3	4812000	8	Washer M10	
4	5221000	4	Nut M10 Grade 10.9	
5	8310668	4	Screw M10 x 25 Grade 10.9	
6	1001099834	1	Carrier, Power Track **(SN 0300200802 through 0300230169)**	
6	70001996	1	Repair Kit (Includes 4 Link Section of Track)	
6	70001998	1	Bracket Kit (Includes 4 Mounting Feet and Hardware to Attach to Track)	
6	1001224891	1	Carrier, Power Track **(SN 0300230169 through 0300272222, Except SN 0300272191 through 0300272192)**	
6	70006269	1	Repair Kit (Includes 10 Link Section of Track)	
6	70006280	1	Bracket Kit (Includes 4 Mounting Feet and Hardware to Attach to Track)	
7	1001119513	1	Tube, Support	
8	1001119527	4	Screw M10 x 16	

FIGURE 4-13. CONTROL VALVES INSTALLATION - BOOM

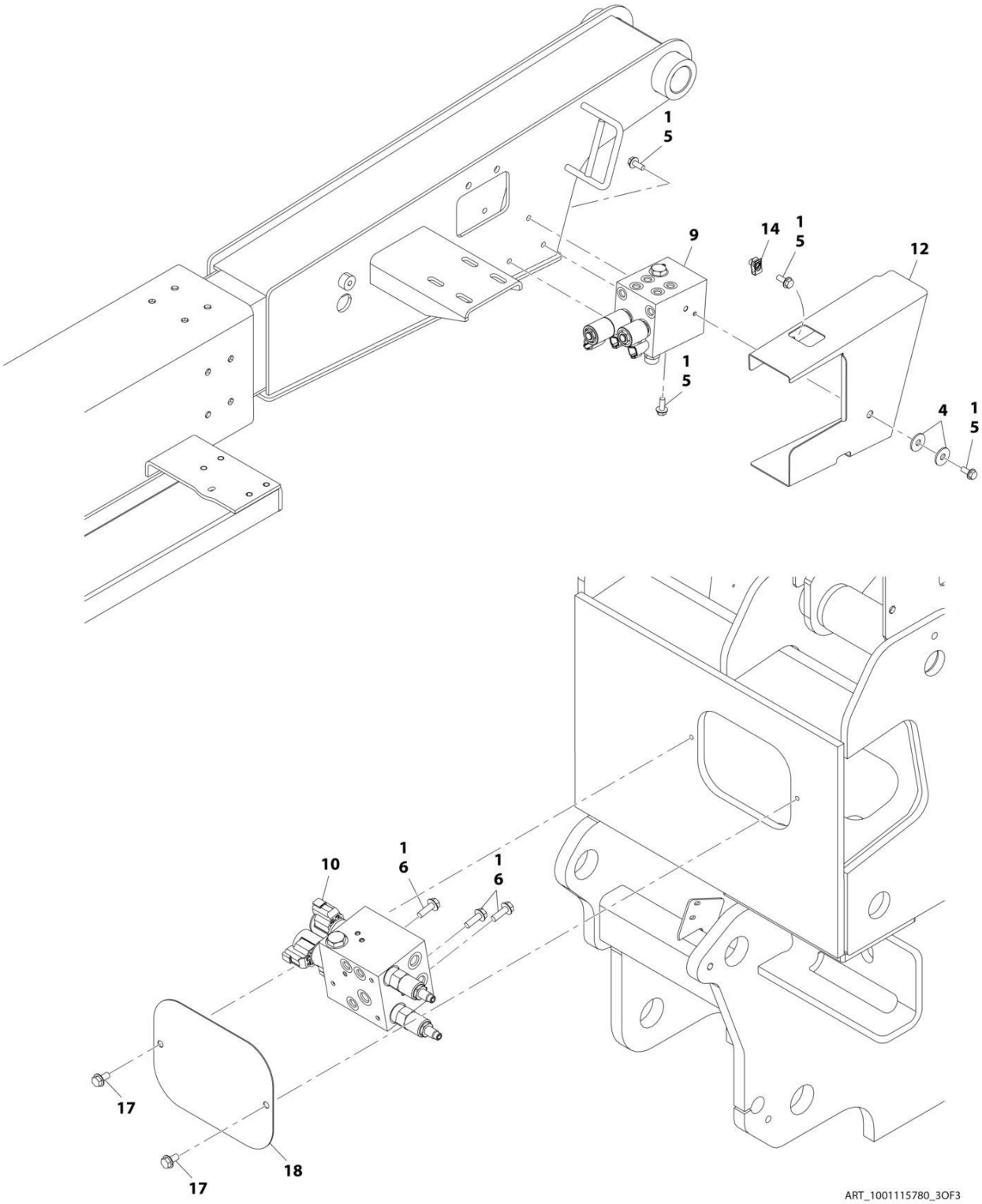


FIGURE 4-13. CONTROL VALVES INSTALLATION - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115780	Ref	CONTROL VALVES INSTALLATION - BOOM	G
1	0100011	AR	Compound, Locking	
4	4812002	2	Washer M10	
5	5250810	10	Bolt M8 x 20	
6	5250812	3	Bolt M8 x 25	
9	1001116228	1	Fly Boom Valve Assembly (See FLY BOOM VALVE ASSEMBLY for Breakdown)	
10	1001136244	1	Boom Upright Valve Assembly (See BOOM UPRIGHT VALVE ASSEMBLY for Breakdown)	
12	1001116835	1	Shield	
14	1001118274	1	Nut M8	
17	5250808	2	Bolt M8 x 16	
18	1001118595	1	Cover	

FIGURE 4-14. FLY BOOM VALVE ASSEMBLY

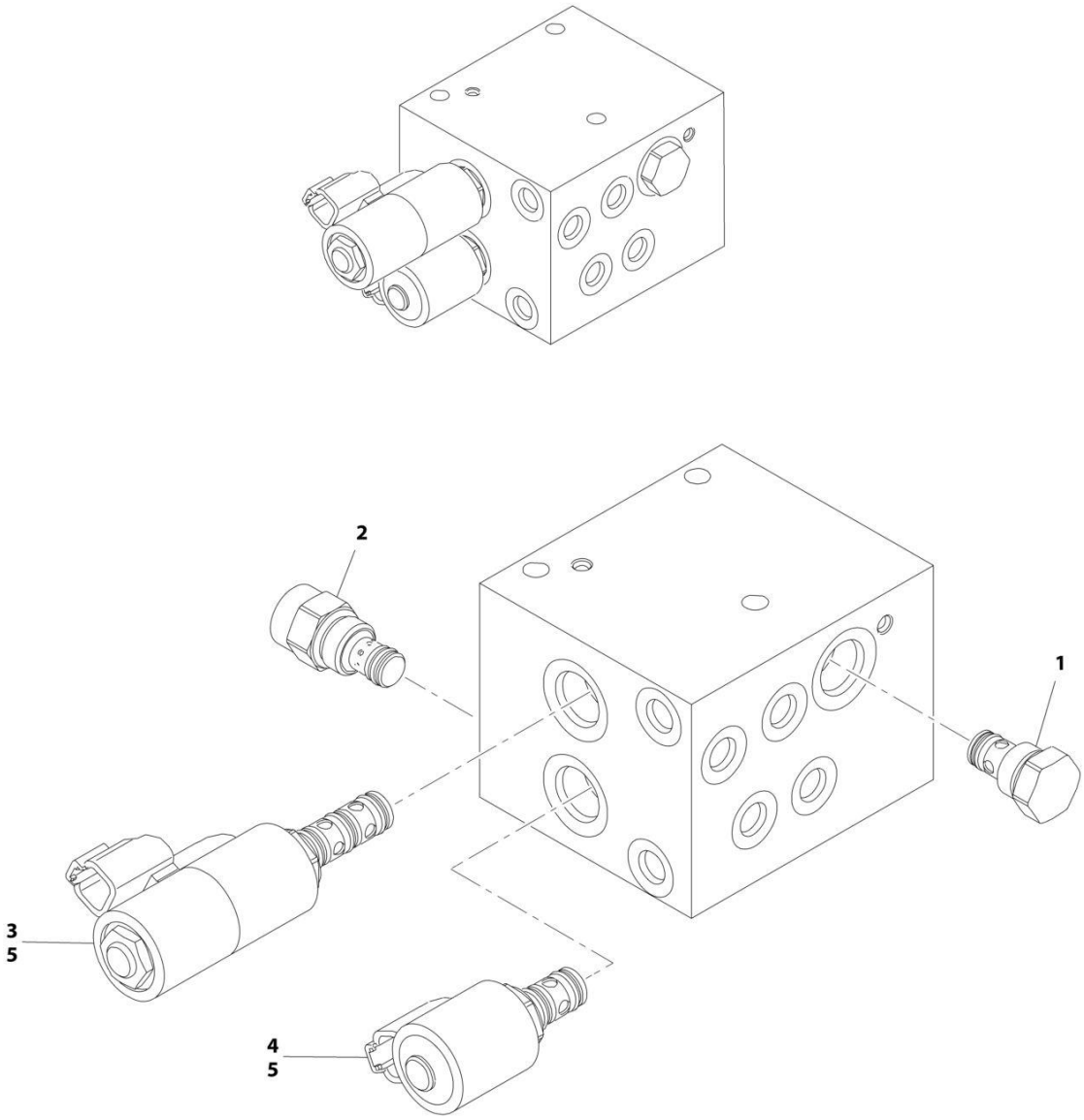


FIGURE 4-14. FLY BOOM VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001116228	Ref	FLY BOOM VALVE ASSEMBLY	D
1	7012955	1	Cartridge, Check Valve	
1	7012967	1	Seal Kit - 7012955 Cartridge	
2	7023970	1	Cartridge, Flow Regulator	
2	7012953	1	Seal Kit - 7023970 Cartridge	
3	7017452	1	Cartridge, Solenoid Valve (without Coil) (Rotate)	
3	7017402	1	Seal Kit - 7017452 Cartridge	
4	7012941	1	Cartridge, Solenoid Valve (without Coil) (Jib)	
4	7010543	1	Seal Kit - 7012941 Cartridge	
5	70002386	3	Coil	

FIGURE 4-15. BOOM UPRIGHT VALVE ASSEMBLY

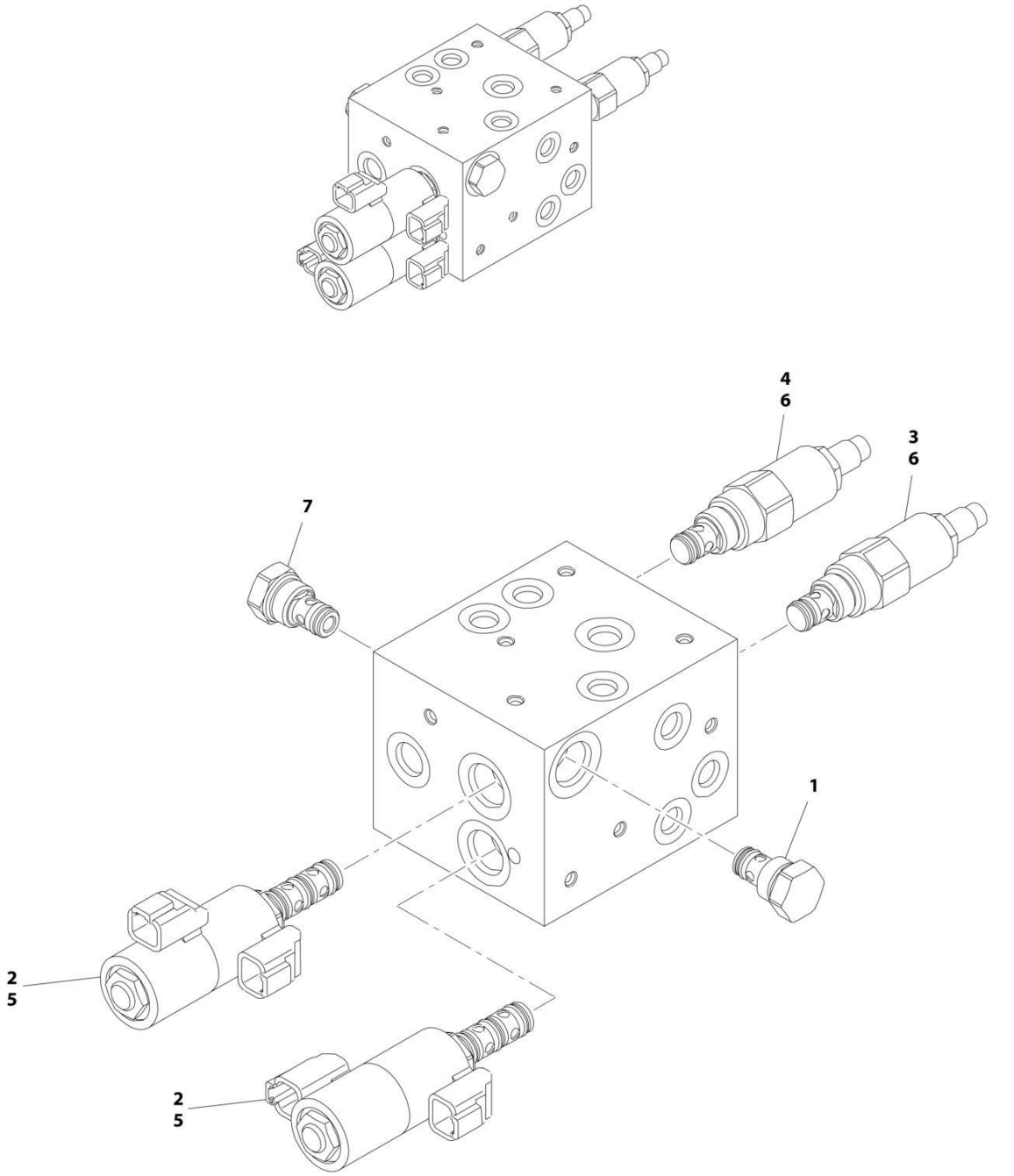


FIGURE 4-15. BOOM UPRIGHT VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001136244	Ref	BOOM UPRIGHT VALVE ASSEMBLY	C
1	7012955	2	Cartridge, Check Valve	
1	7012967	2	Seal Kit - 7012955 Cartridge	
2	7017452	2	Cartridge, Solenoid Valve (without Coil) (Telescope/Platform Level)	
2	7017402	2	Seal Kit - 7017452 Cartridge	
3	7017427	1	Cartridge, Relief	
3	7012998	1	Seal Kit - 7017427 Cartridge	
4	70002954	1	Cartridge, Relief	
4	7012998	1	Seal Kit - 70002954 Cartridge	
5	70002963	4	Coil	
6	See Note	2	Orifice (Note: Not Available for Purchase)	
7	7017498	1	Piston, Pilot	

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) - GATE ENTRY

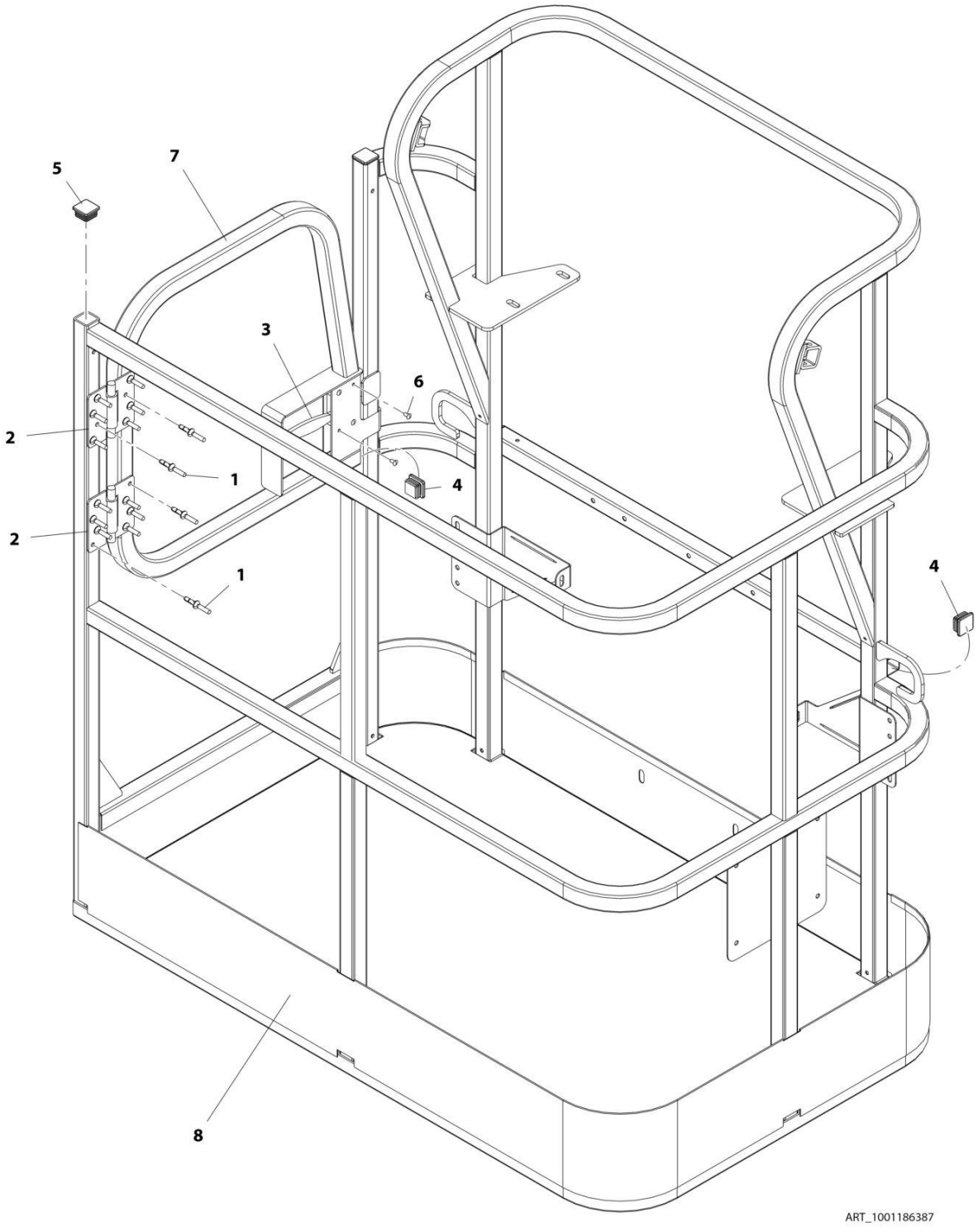


FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) - GATE ENTRY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186387	Ref	PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) - GATE ENTRY	C
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge, 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, Weldment (Note: Not Available - Purchase Platform Assembly)	

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

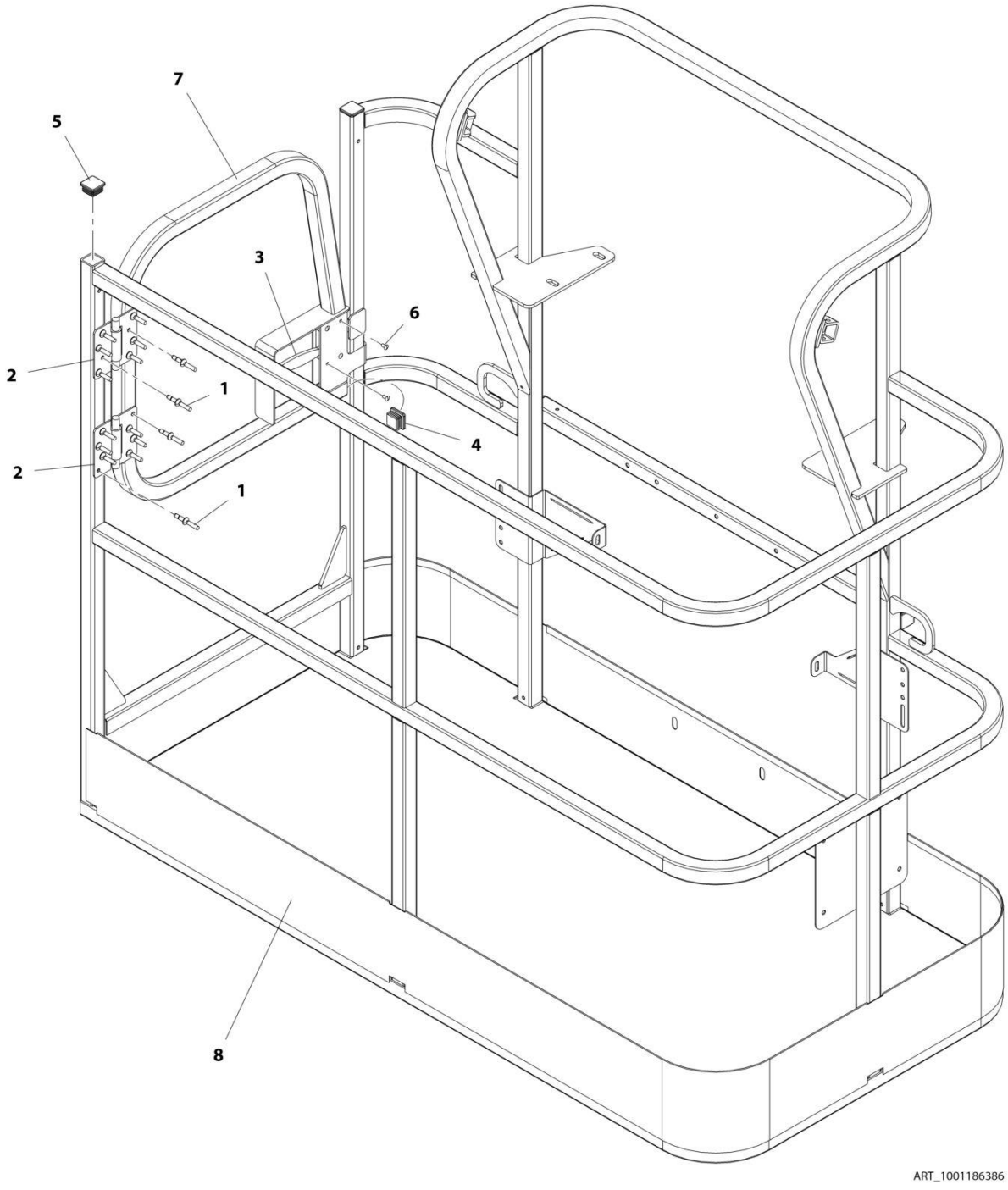


FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) - GATE ENTRY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186386	Ref	PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) - GATE ENTRY	C
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge, 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, Weldment (Note: Not Available - Purchase Platform Assembly)	

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

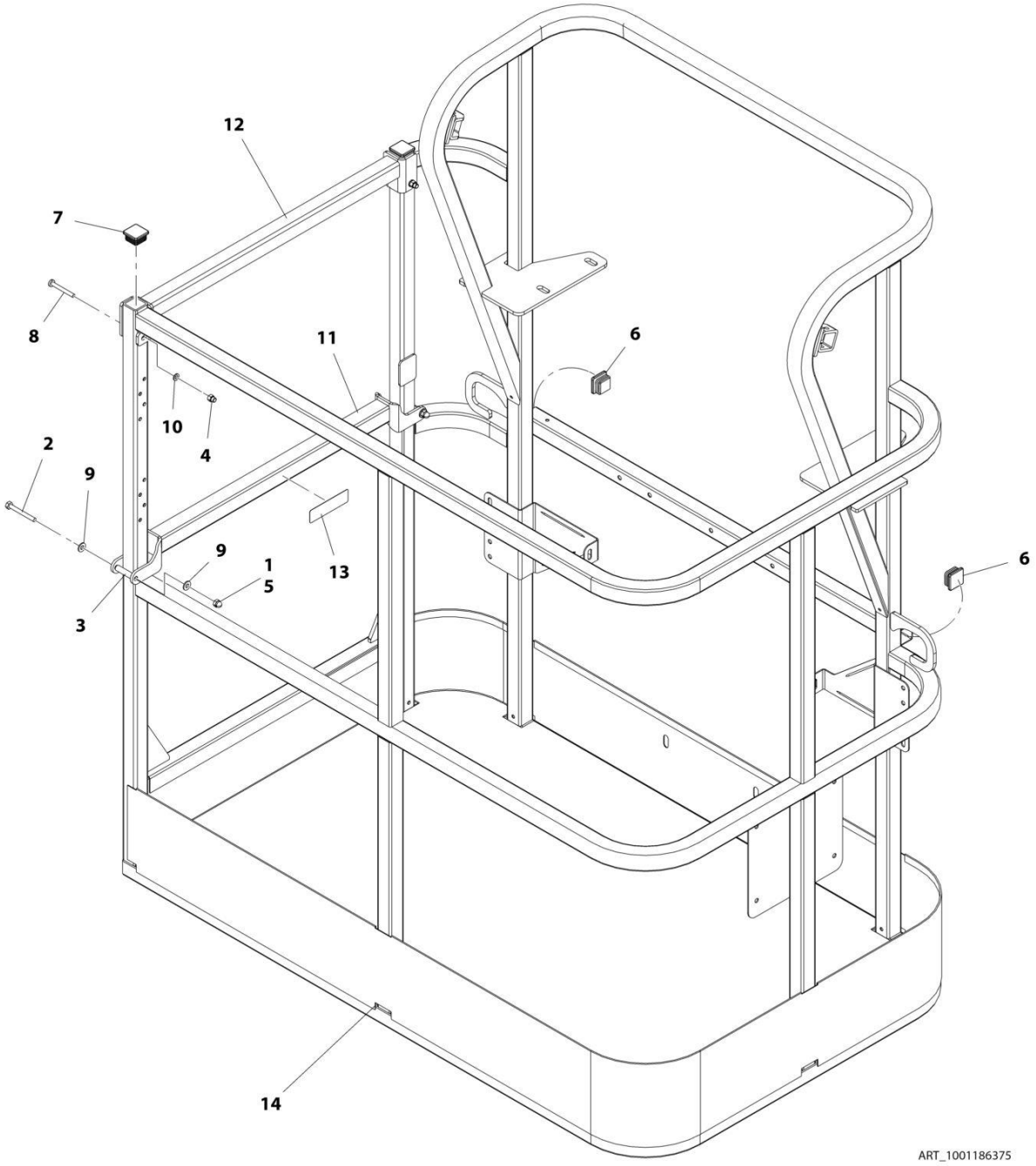


FIGURE 5-3. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) - DROP BAR ENTRY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186375	Ref	PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) - DROP BAR ENTRY	B
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4-20 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6 x 1	
5	3300151	2	Nut, Acorn 1/4-20	
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, Weldment (Note: Not Available - Purchase Platform Assembly)	

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

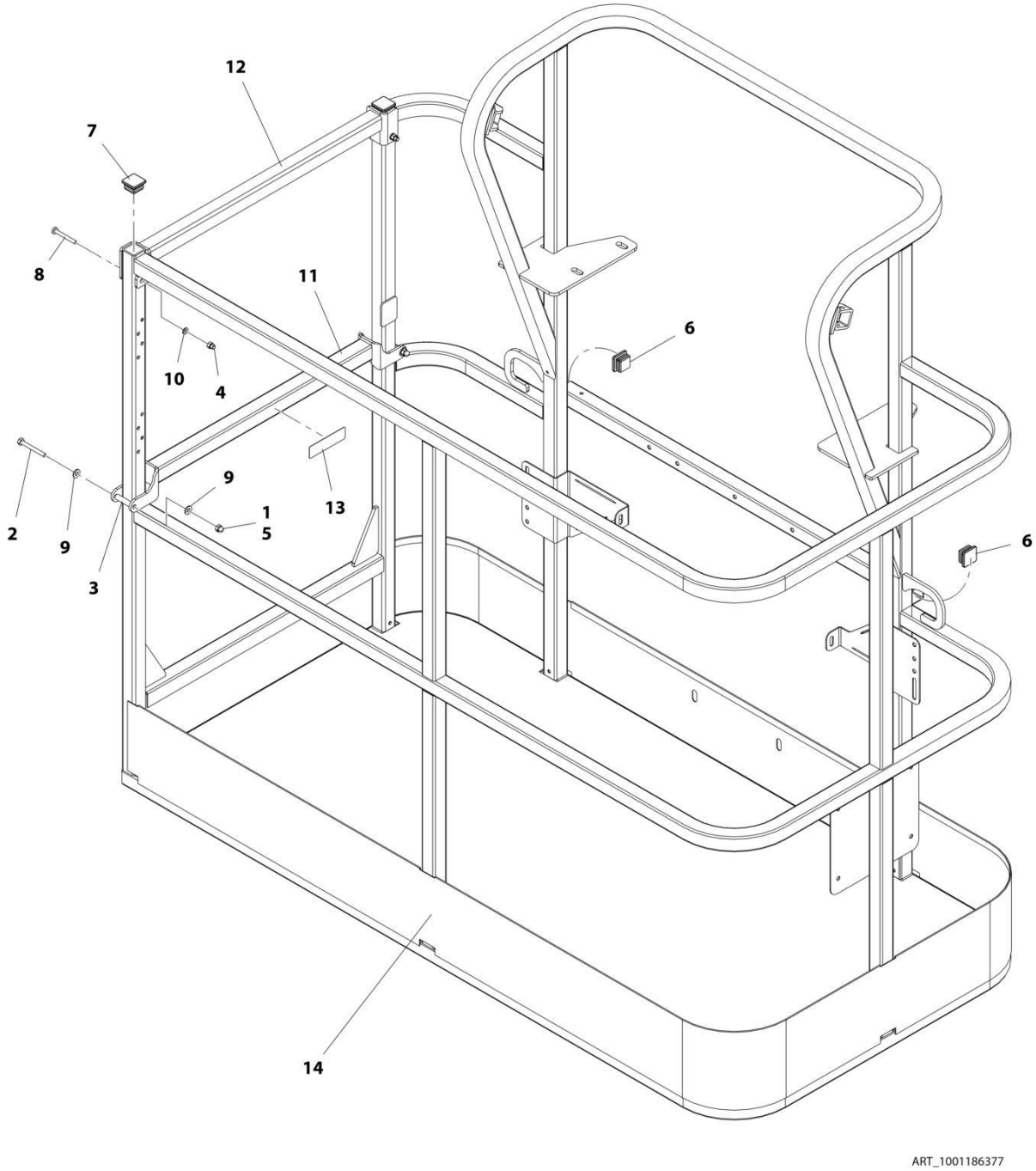
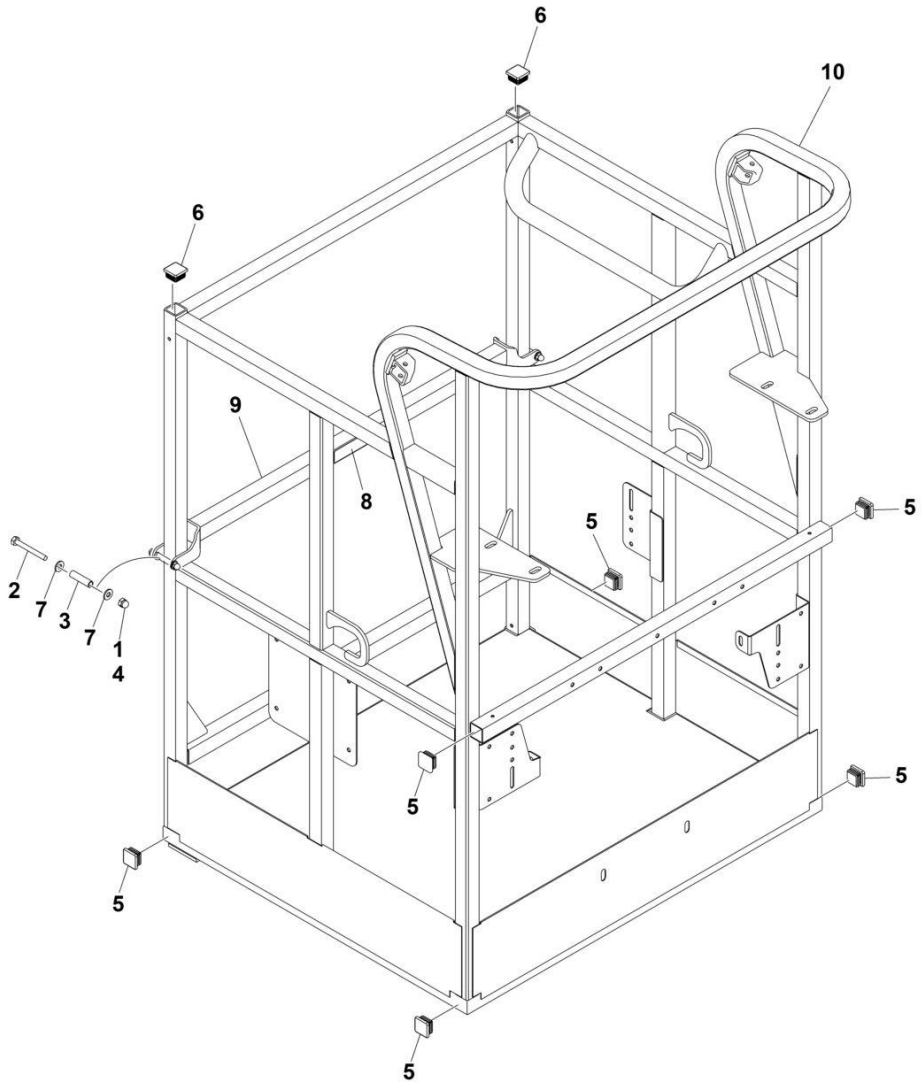


FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) - DROP BAR ENTRY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186377	Ref	PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) - DROP BAR ENTRY	C
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4-20 x 2-1/4	
2	0641420	2	Bolt 1/4 x 2-1/2	
3	0961845	2	Bushing	
4	3290606	2	Nut M6 x 1	
5	3300151	2	Nut, Acorn 1/4-20	
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, Weldment (Note: Not Available - Purchase Platform Assembly)	

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



ART_1001228215

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

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

FIGURE 5-6. TRAY INSTALLATION

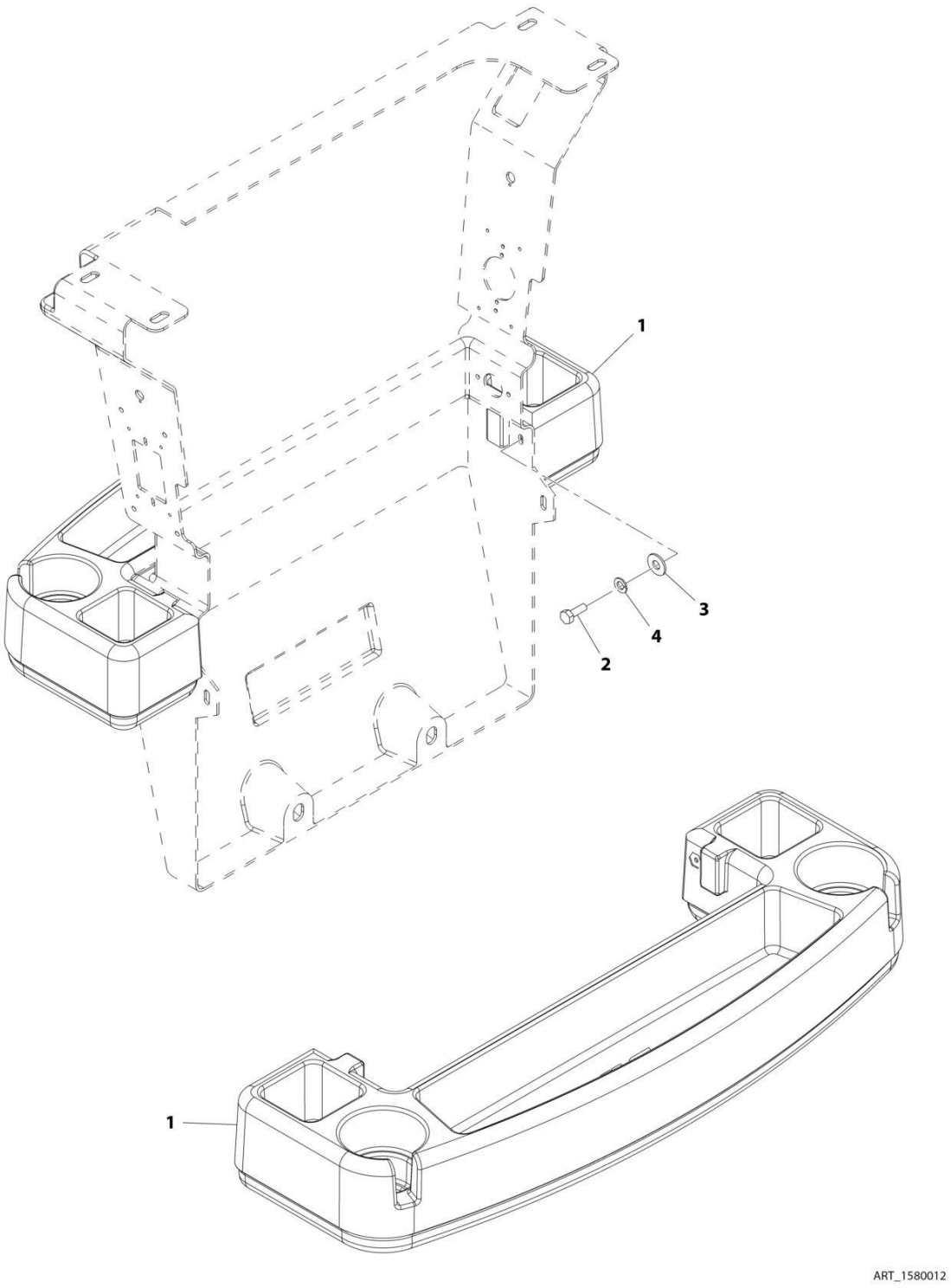


FIGURE 5-6. TRAY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1580012	Ref	TRAY INSTALLATION	C
1	See Note	1	Tray, Storage - Center (Note: Use p/n 1580012)	
2	0641406	2	Bolt 1/4-20 x 3/4	
3	4751400	2	Washer 1/4	
4	4761400	2	Washer 1/4	

FIGURE 5-7. CONSOLE AND FOOTSWITCH INSTALLATION - DIESEL MACHINES WITHOUT SKYGUARD

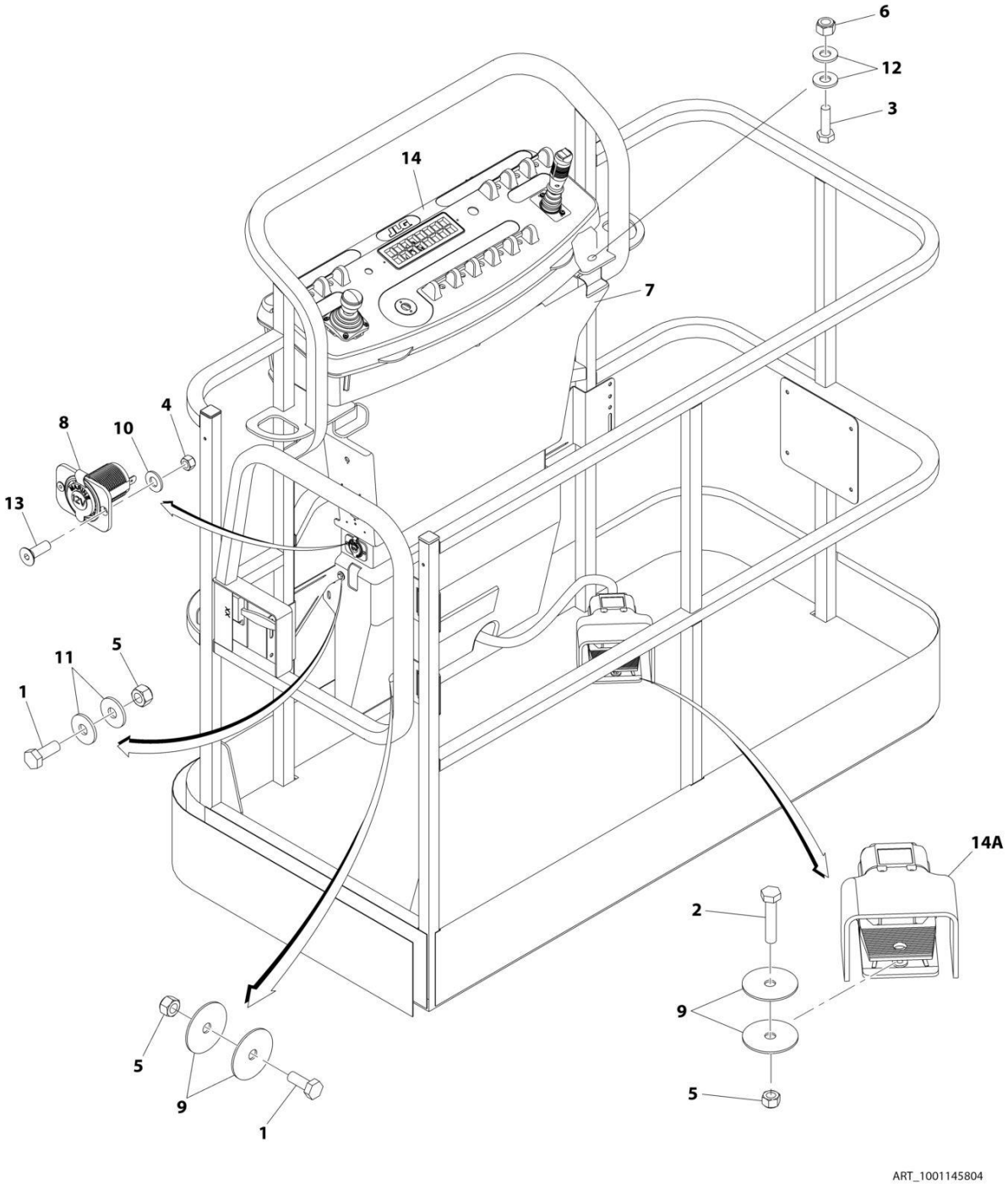


FIGURE 5-7. CONSOLE AND FOOTSWITCH INSTALLATION - DIESEL MACHINES WITHOUT SKYGUARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001145804	Ref	CONSOLE AND FOOTSWITCH INSTALLATION - DIESEL MACHINES WITHOUT SKYGUARD	D
1	0760608	4	Bolt M6 x 16	
2	0760614	3	Bolt M6 x 30	
3	0761015	4	Bolt M10 x 35	
4	3290405	2	Nut M4	
5	3290605	7	Nut M6	
6	3291005	4	Nut M10	
7	3380434	1	Panel, Pedestal	
8	4461012	1	Receptacle, 12V	
9	4740362	7	Washer 1/4	
10	4811400	2	Washer M4	
11	4811702	4	Washer M6	
12	4812002	8	Washer M10	
13	1001097244	2	Capscrew M4 x 12	
14	1001166667	NLA	Console Box Assembly (See CONSOLE ASSEMBLY - WITHOUT SKYGUARD for Breakdown) **(SN 0300200802 through 0300219869)**	
14	1001202568	1	Console Box Assembly (See CONSOLE ASSEMBLY - WITHOUT SKYGUARD for Breakdown) **(SN 0300219870 through 0300200802)**	
14A	1001117174	1	Footswitch Assembly	B
14A	1001117172	1	Footswitch Less Cable	
14A	70002902	1	Block, Contact	
14A	70002903	1	Gasket	
14A	70002905	1	Cover	
14A	70002904	1	Bolt Replacement Kit	
14A	1060918	7.5 ft /2.3m	Cable, Electrical - 18/3	
14A	4460071	1	Connector, Strain Relief	
14A	4460226	2	Socket, Female	
14A	4460464	1	Pin, Male	

FIGURE 5-8. CONSOLE AND FOOTSWITCH INSTALLATION WITHOUT LSS OR WITH 4 CELL LSS - DIESEL MACHINES WITH SKYGUARD

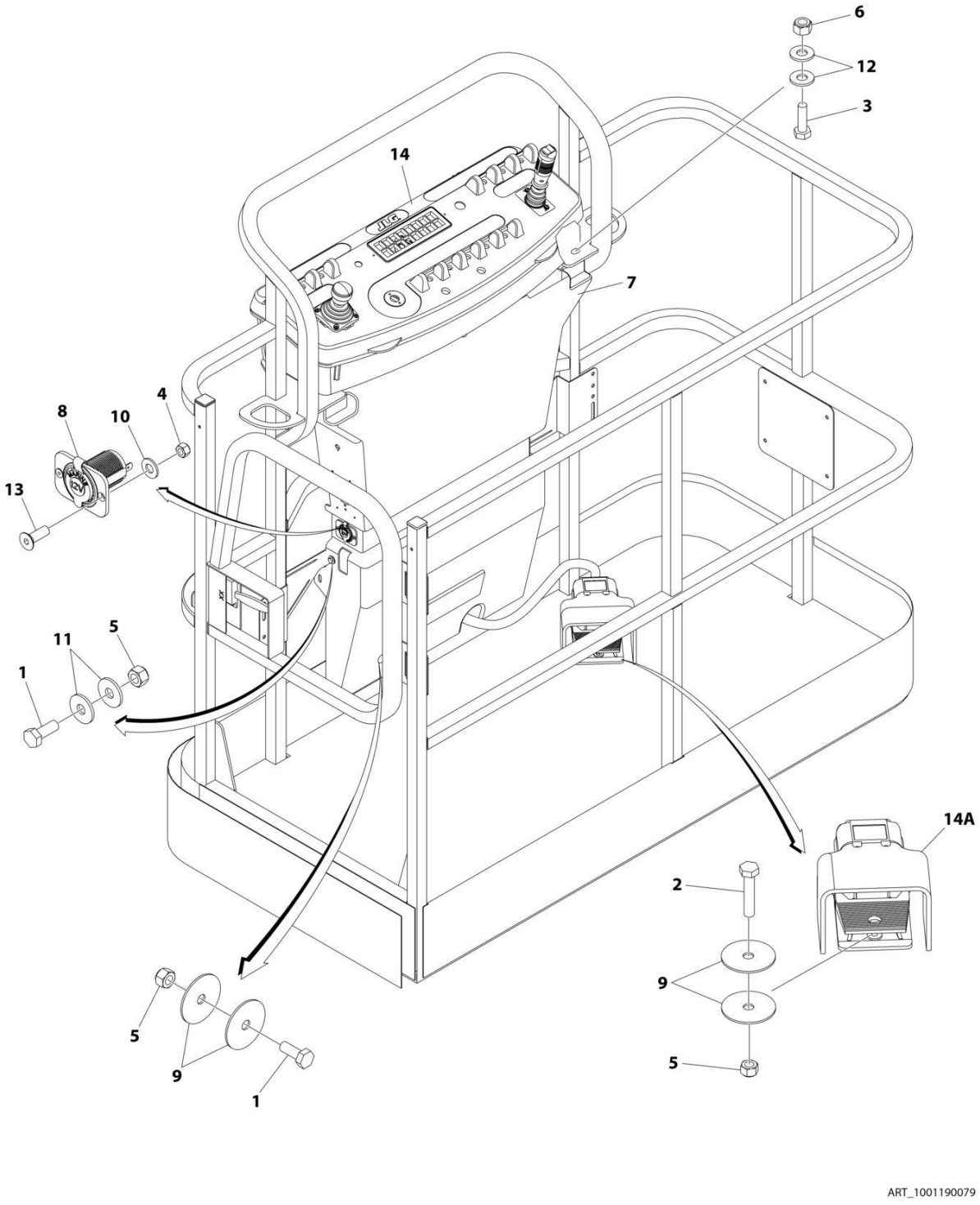


FIGURE 5-8. CONSOLE AND FOOTSWITCH INSTALLATION WITHOUT LSS OR WITH 4 CELL LSS - DIESEL MACHINES WITH SKYGUARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190079	Ref	CONSOLE AND FOOTSWITCH INSTALLATION WITHOUT LSS OR WITH 4 CELL LSS - DIESEL MACHINES WITH SKYGUARD	C
1	0760608	4	Bolt M6 x 16	
2	0760614	3	Bolt M6 x 30	
3	0761015	4	Bolt M10 x 35	
4	3290405	2	Nut M4	
5	3290605	7	Nut M6	
6	3291005	4	Nut M10	
7	3380434	1	Panel, Pedestal	
8	4461012	1	Receptacle, 12V	
9	4740362	7	Washer 1/4	
10	4811400	2	Washer M4	
11	4811702	4	Washer M6	
12	4812002	8	Washer M10	
13	1001097244	2	Capscrew M4 x 12	
14	1001190081	NLA	Console Box Assembly without LSS or with 4 CELL LSS (See CONSOLE ASSEMBLY - WITH SKYGUARD for Breakdown) **(SN 0300200802 through 0300219869)**	
14	1001202566	1	Console Box Assembly without LSS or with 4 CELL LSS (See CONSOLE ASSEMBLY - WITH SKYGUARD for Breakdown) **(SN 0300219870 through 0300272222, Except SN 0300272191 through 0300272192)**	
14A	1001117174	1	Footswitch Assembly	B
14A	1001117172	1	Footswitch Less Cable	
14A	70002902	1	Block, Contact	
14A	70002903	1	Gasket	
14A	70002905	1	Cover	
14A	70002904	1	Bolt Replacement Kit	
14A	1060918	7.5 ft/ 2.3m	Cable, Electrical - 18/3	
14A	4460071	1	Connector, Strain Relief	
14A	4460226	2	Socket, Female	
14A	4460464	1	Pin, Male	

FIGURE 5-9. CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - DIESEL MACHINES WITH SKYGUARD (SN 0300200802 through 0300257079)

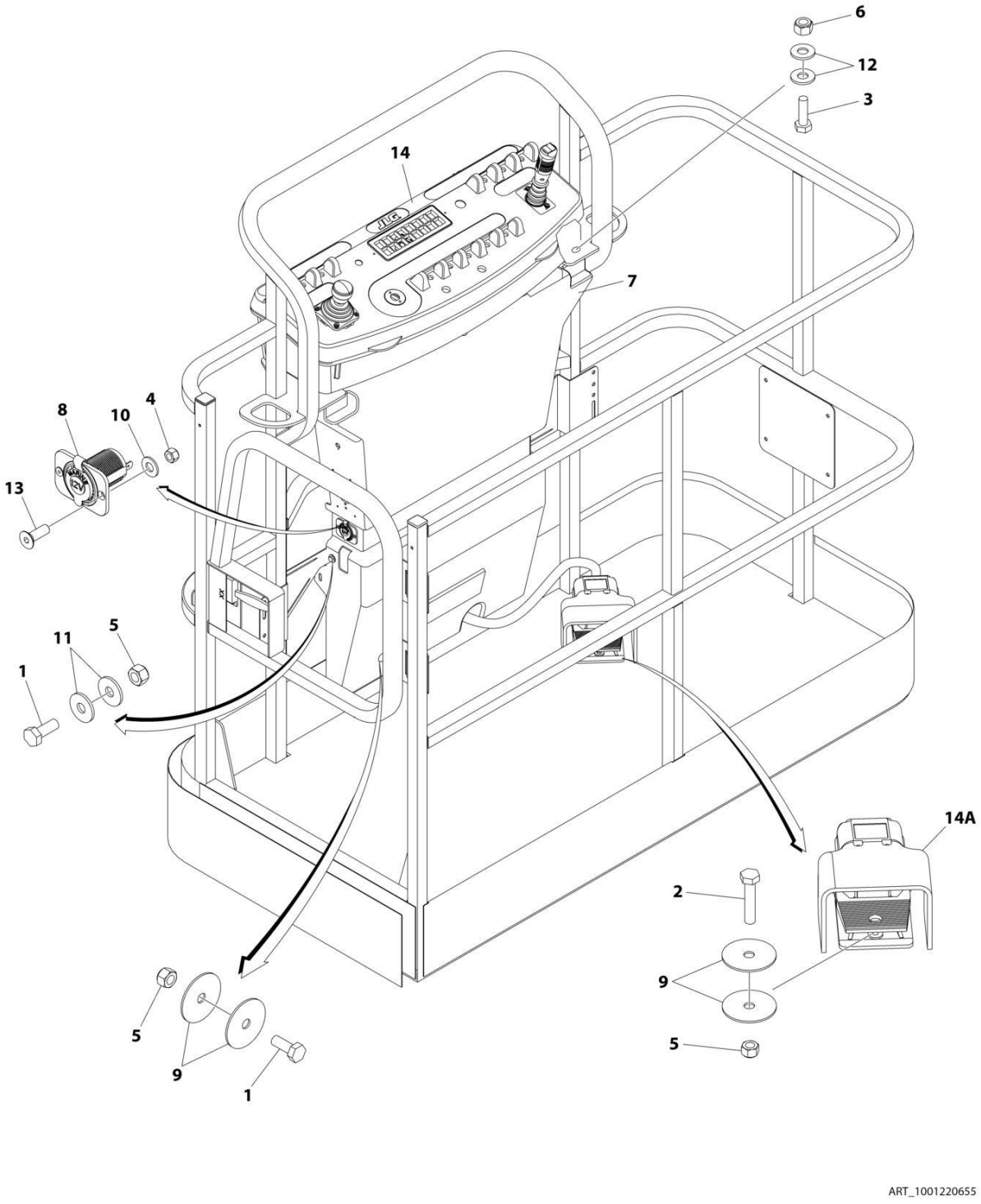


FIGURE 5-9. CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - DIESEL MACHINES WITH SKYGUARD (SN 0300200802 through 0300257079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220655	Ref	CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - DIESEL MACHINES WITH SKYGUARD	B
1	0760608	4	Bolt M6 x 16	
2	0760614	3	Bolt M6 x 30	
3	0761015	4	Bolt M10 x 35	
4	3290405	2	Nut M4	
5	3290605	7	Nut M6	
6	3291005	4	Nut M10	
7	3380434	1	Panel, Pedestal	
8	4461012	1	Receptacle, 12V	
9	4740362	7	Washer 1/4	
10	4811400	2	Washer M4	
11	4811702	4	Washer M6	
12	4812002	8	Washer M10	
13	1001097244	2	Capscrew M4 x 12	
14	1001218067	1	Console Box Assembly with 1 CELL LSS	
14A	1001117174	1	Footswitch Assembly	B
14A	1001117172	1	Footswitch Less Cable	
14A	70002902	1	Block, Contact	
14A	70002903	1	Gasket	
14A	70002905	1	Cover	
14A	70002904	1	Bolt Replacement Kit	
14A	1060918	7.5 ft/ 2.3m	Cable, Electrical - 18/3	
14A	4460071	1	Connector, Strain Relief	
14A	4460226	2	Socket, Female	
14A	4460464	1	Pin, Male	

FIGURE 5-10. CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - DIESEL MACHINES WITH SKYGUARD (SN 0300257079 through 0300272222)

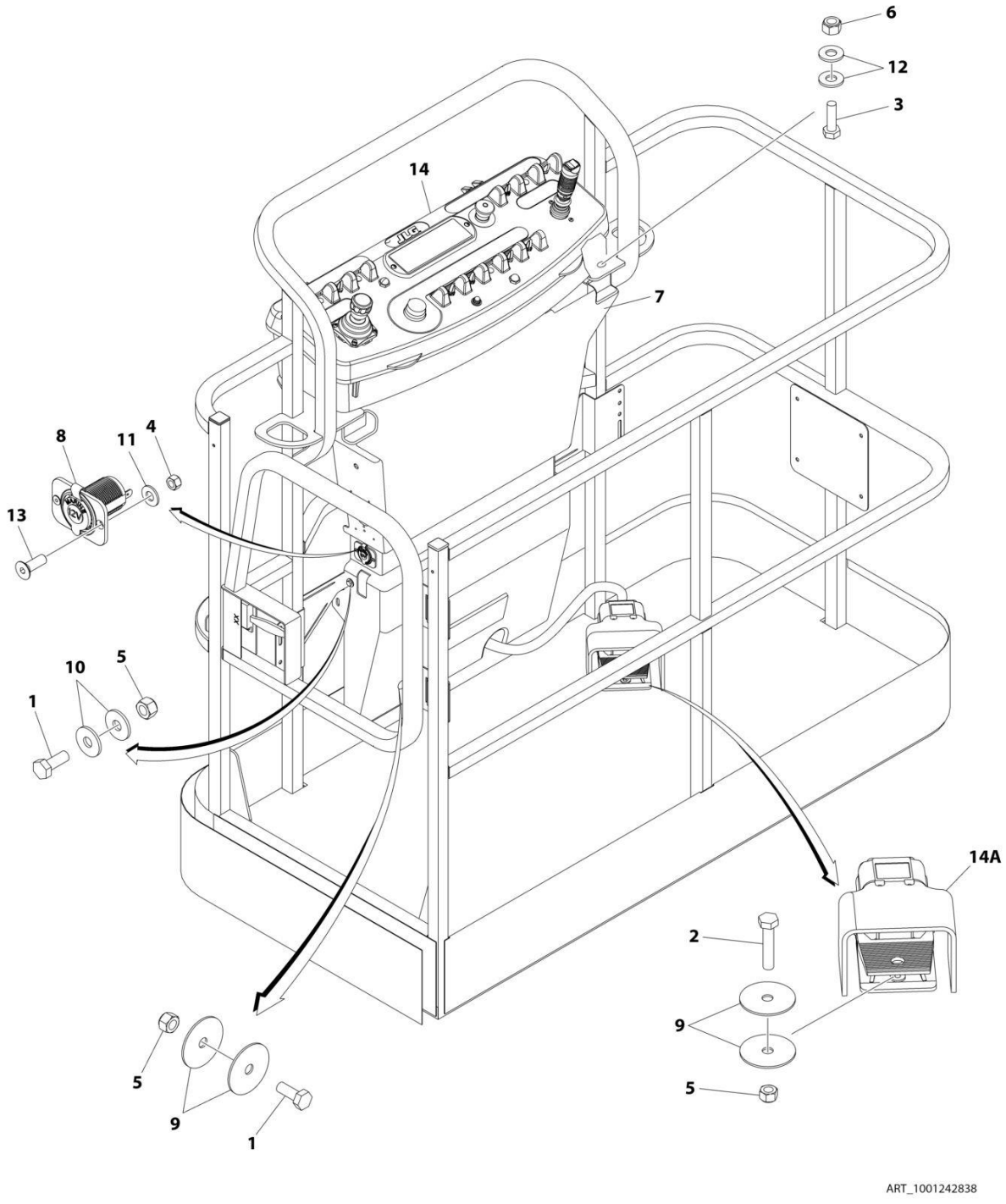


FIGURE 5-10. CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - DIESEL MACHINES WITH SKYGUARD (SN 0300257079 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242838	Ref	CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - DIESEL MACHINES WITH SKYGUARD	A
1	0760610	4	Bolt M6 x 20	
2	0760614	3	Bolt M6 x 30	
3	0761015	4	Bolt M10 x 35	
4	3290405	2	Nut M4	
5	3290605	7	Nut M6	
6	3291005	4	Nut M10	
7	3380434	1	Panel, Pedestal	
8	4461012	1	Receptacle, 12V	
9	4740362	7	Washer 1/4	
10	4751400	4	Washer 1/4	
11	4811400	1	Washer M4	
12	4812000	8	Washer M10	
13	1001097244	2	Capscrew M4 x 12	
14	1001242844	1	Console Box Assembly with 1 CELL LSS	
14A	1001117174	1	Footswitch Assembly	B
14A	1001117172	1	Footswitch Less Cable	
14A	70002902	1	Block, Contact	
14A	70002903	1	Gasket	
14A	70002905	1	Cover	
14A	70002904	1	Bolt Replacement Kit	
14A	1060918	7.5 ft/ 2.3m	Cable, Electrical - 18/3	
14A	4460071	1	Connector, Strain Relief	
14A	4460226	2	Socket, Female	
14A	4460464	1	Pin, Male	

FIGURE 5-11. CONSOLE AND FOOTSWITCH INSTALLATION - GAS MACHINES WITHOUT SKYGUARD

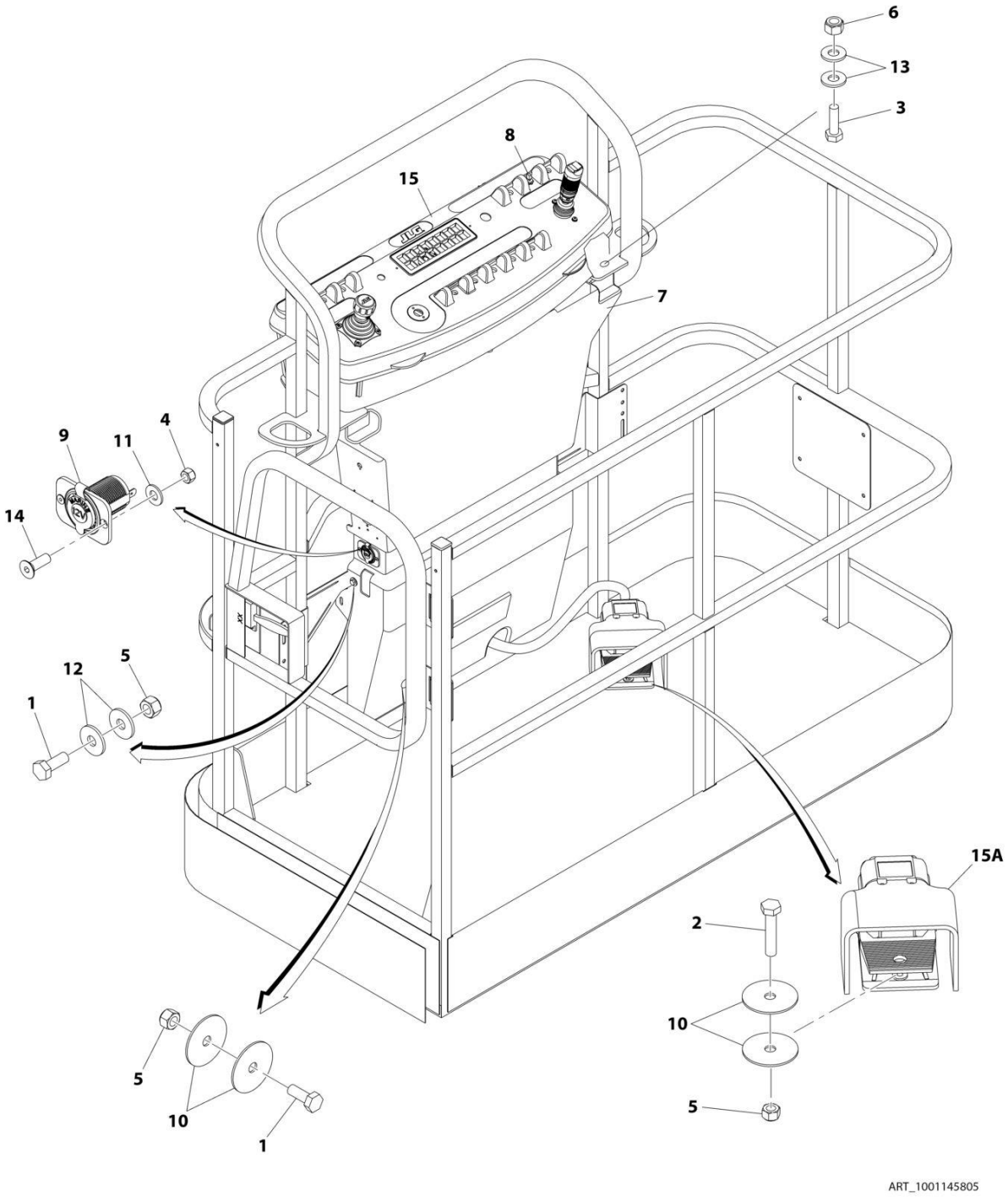


FIGURE 5-11. CONSOLE AND FOOTSWITCH INSTALLATION - GAS MACHINES WITHOUT SKYGUARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001145805	Ref	CONSOLE AND FOOTSWITCH INSTALLATION - GAS MACHINES WITHOUT SKYGUARD	D
1	0760608	4	Bolt M6 x 16	
2	0760614	3	Bolt M6 x 30	
3	0761015	4	Bolt M10 x 35	
4	3290405	2	Nut M4	
5	3290605	7	Nut M6	
6	3291005	4	Nut M10	
7	3380434	1	Panel, Pedestal	
8	4360336	1	Switch, Toggle	
9	4461012	1	Receptacle, 12V	
10	4740362	7	Washer 1/4	
11	4811400	2	Washer M4	
12	4811702	4	Washer M6	
13	4812002	8	Washer M10	
14	1001097244	2	Capscrew M4 x 12	
15	1001166667	NLA	Console Box Assembly (See CONSOLE ASSEMBLY - WITHOUT SKYGUARD for Breakdown) **(SN 0300200802 through 0300219869)**	
15	1001202568	1	Console Box Assembly (See CONSOLE ASSEMBLY - WITHOUT SKYGUARD for Breakdown) **(SN 0300219870 through 0300272222, Except SN 0300272191 through 0300272192)**	
15A	1001117174	1	Footswitch Assembly	B
15A	1001117172	1	Footswitch Less Cable	
15A	70002902	1	Block, Contact	
15A	70002903	1	Gasket	
15A	70002905	1	Cover	
15A	70002904	1	Bolt Replacement Kit	
15A	1060918	7.5 ft /2.3m	Cable, Electrical - 18/3	
15A	4460071	1	Connector, Strain Relief	
15A	4460226	2	Socket, Female	
15A	4460464	1	Pin, Male	

FIGURE 5-12. CONSOLE AND FOOTSWITCH INSTALLATION WITHOUT LSS OR WITH 4 CELL LSS - GAS MACHINES WITH SKYGUARD

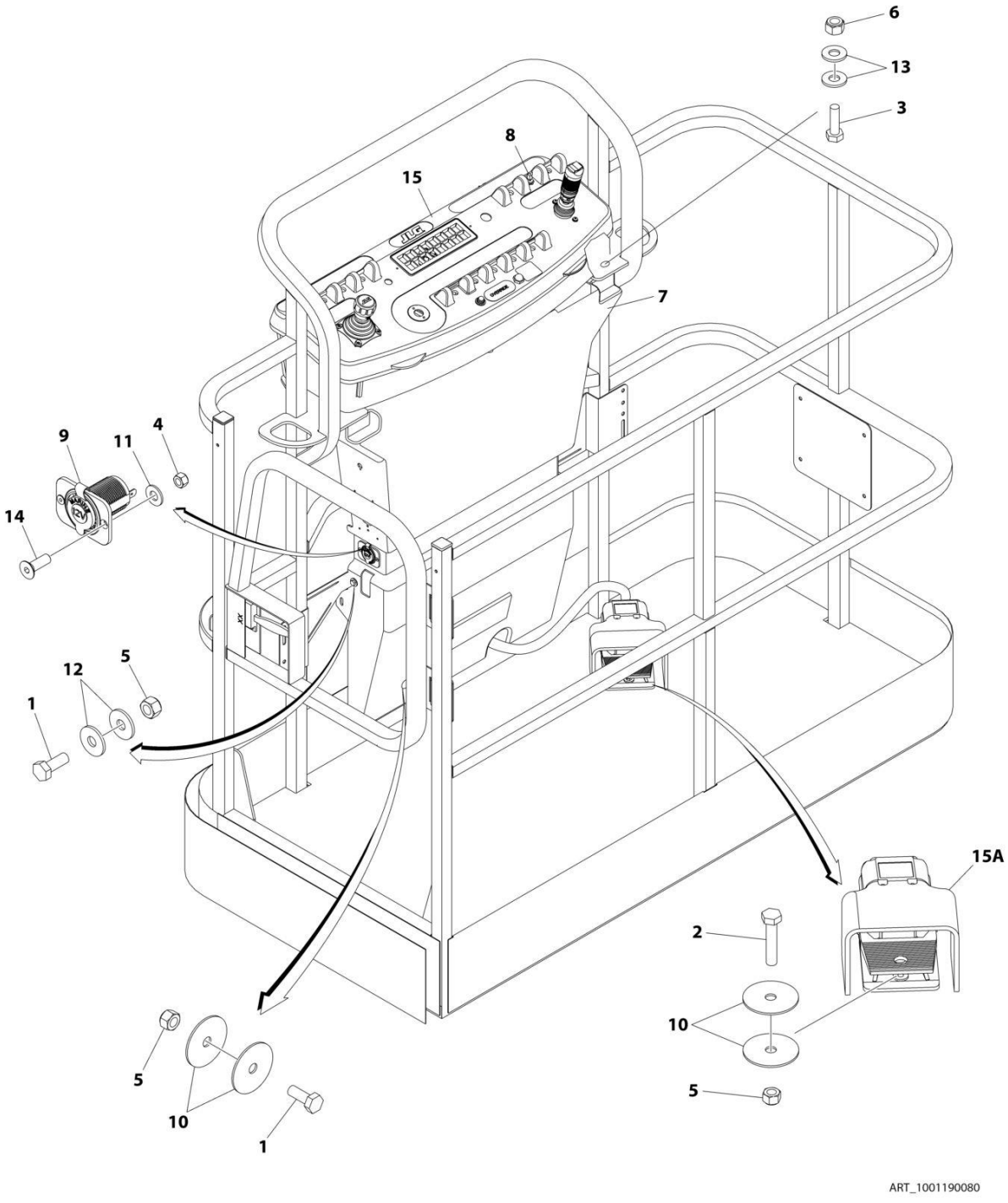


FIGURE 5-12. CONSOLE AND FOOTSWITCH INSTALLATION WITHOUT LSS OR WITH 4 CELL LSS - GAS MACHINES WITH SKYGUARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190080	Ref	CONSOLE AND FOOTSWITCH INSTALLATION WITHOUT LSS OR WITH 4 CELL LSS - GAS MACHINES WITH SKYGUARD	C
1	0760608	4	Bolt M6 x 16	
2	0760614	3	Bolt M6 x 30	
3	0761015	4	Bolt M10 x 35	
4	3290405	2	Nut M4	
5	3290605	7	Nut M6	
6	3291005	4	Nut M10	
7	3380434	1	Panel, Pedestal	
8	4360336	1	Switch, Toggle	
9	4461012	1	Receptacle, 12V	
10	4740362	7	Washer 1/4	
11	4811400	2	Washer M4	
12	4811702	4	Washer M6	
13	4812002	8	Washer M10	
14	1001097244	2	Capscrew M4 x 12	
15	1001190081	NLA	Console Box Assembly without LSS or with 4 CELL LSS (See CONSOLE ASSEMBLY - WITH SKYGUARD for Breakdown) **(SN 0300200802 through 0300219869)**	
15	1001202566	1	Console Box Assembly without LSS or with 4 CELL LSS (See CONSOLE ASSEMBLY - WITH SKYGUARD for Breakdown) **(SN 0300219870 through 0300272222, Except SN 0300272191 through 0300272192)**	
15A	1001117174	1	Footswitch Assembly	A
15A	1001117172	1	Footswitch Less Cable	
15A	70002902	1	Block, Contact	
15A	70002903	1	Gasket	
15A	70002905	1	Cover	
15A	70002904	1	Bolt Replacement Kit	
15A	1060918	7.5 ft/ 2.3m	Cable, Electrical - 18/3	
15A	4460071	1	Connector, Strain Relief	
15A	4460226	2	Socket, Female	
15A	4460464	1	Pin, Male	

FIGURE 5-13. CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - GAS MACHINES WITH SKYGUARD (SN 0300200802 through 0300257079)

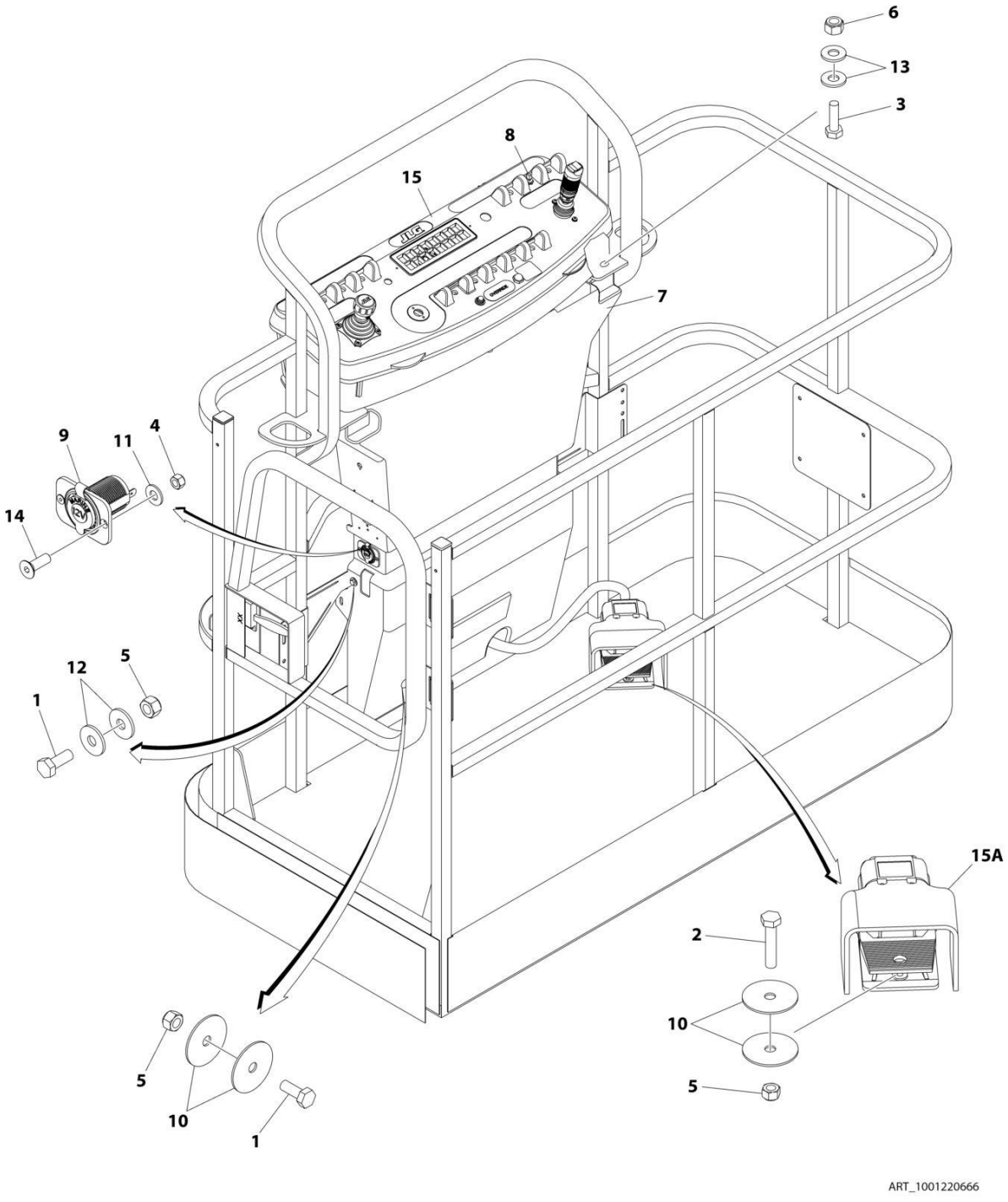


FIGURE 5-13. CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - GAS MACHINES WITH SKYGUARD (SN 0300200802 through 0300257079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220666	Ref	CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - GAS MACHINES WITH SKYGUARD	B
1	0760608	4	Bolt M6 x 16	
2	0760614	3	Bolt M6 x 30	
3	0761015	4	Bolt M10 x 35	
4	3290405	2	Nut M4	
5	3290605	7	Nut M6	
6	3291005	4	Nut M10	
7	3380434	1	Panel, Pedestal	
8	4360336	1	Switch, Toggle	
9	4461012	1	Receptacle, 12V	
10	4740362	7	Washer 1/4	
11	4811400	2	Washer M4	
12	4811702	4	Washer M6	
13	4812002	8	Washer M10	
14	1001097244	2	Capscrew M4 x 12	
15	1001218067	1	Console Box Assembly with 1 CELL LSS	
15A	1001117174	1	Footswitch Assembly	A
15A	1001117172	1	Footswitch Less Cable	
15A	70002902	1	Block, Contact	
15A	70002903	1	Gasket	
15A	70002905	1	Cover	
15A	70002904	1	Bolt Replacement Kit	
15A	1060918	7.5 ft/ 2.3m	Cable, Electrical - 18/3	
15A	4460071	1	Connector, Strain Relief	
15A	4460226	2	Socket, Female	
15A	4460464	1	Pin, Male	

FIGURE 5-14. CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - GAS MACHINES WITH SKYGUARD (SN 0300257079 through 0300272222)

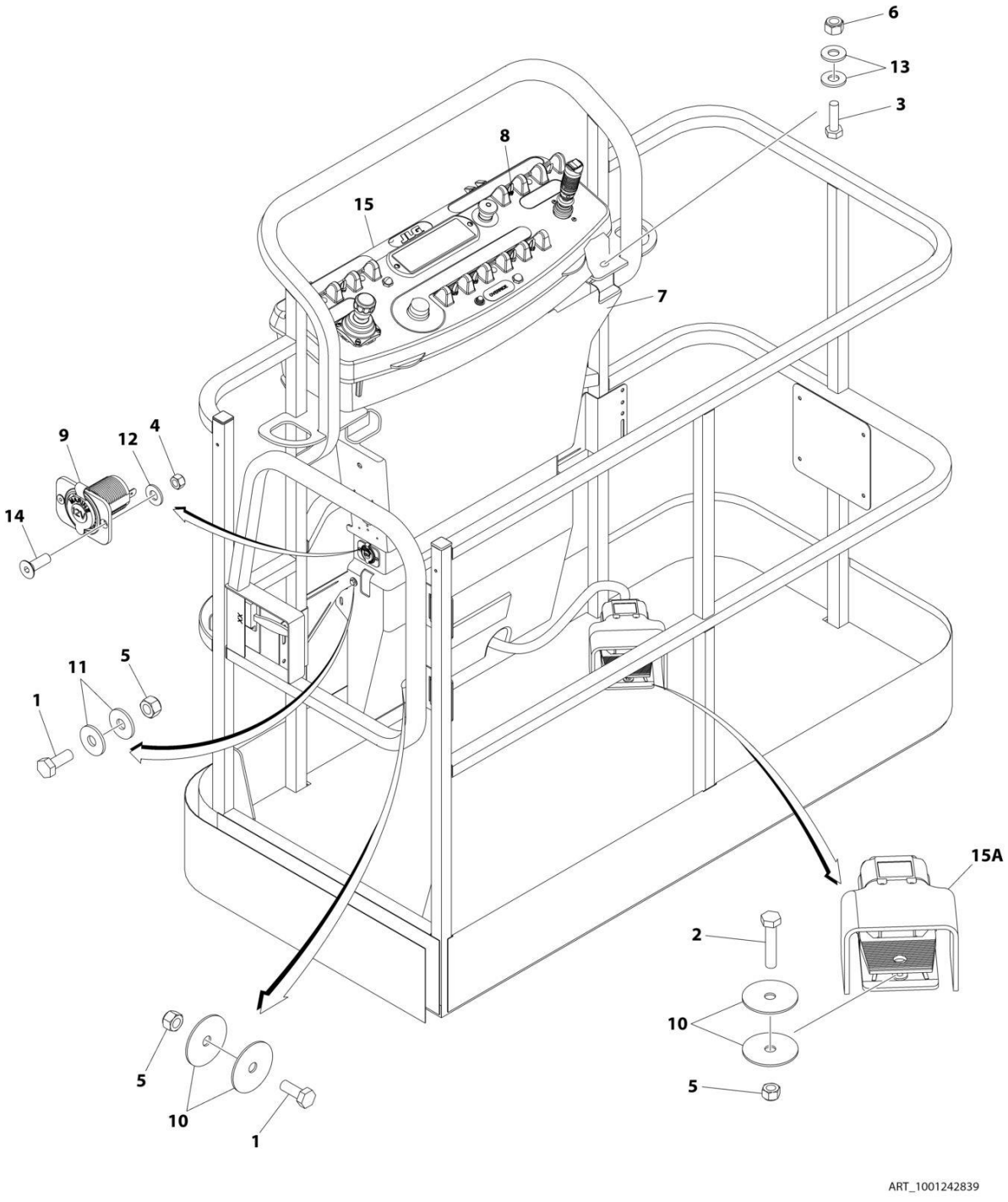


FIGURE 5-14. CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - GAS MACHINES WITH SKYGUARD (SN 0300257079 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242839	Ref	CONSOLE AND FOOTSWITCH INSTALLATION WITH 1 CELL LSS - GAS MACHINES WITH SKYGUARD	A
1	0760610	4	Bolt M6 x 20	
2	0760614	3	Bolt M6 x 30	
3	0761015	4	Bolt M10 x 35	
4	3290405	2	Nut M4	
5	3290605	7	Nut M6	
6	3291005	4	Nut M10	
7	3380434	1	Panel, Pedestal	
8	4360336	1	Switch, Toggle	
9	4461012	1	Receptacle, 12V	
10	4740362	7	Washer 1/4	
11	4751400	4	Washer 1/4	
12	4811400	2	Washer M4	
13	4812000	8	Washer M10	
14	1001097244	2	Capscrew M4 x 12	
15	1001242844	1	Console Box Assembly with 1 CELL LSS	
15A	1001117174	1	Footswitch Assembly	A
15A	1001117172	1	Footswitch Less Cable	
15A	70002902	1	Block, Contact	
15A	70002903	1	Gasket	
15A	70002905	1	Cover	
15A	70002904	1	Bolt Replacement Kit	
15A	1060918	7.5 ft/ 2.3m	Cable, Electrical - 18/3	
15A	4460071	1	Connector, Strain Relief	
15A	4460226	2	Socket, Female	
15A	4460464	1	Pin, Male	

SECTION 5 - PLATFORM

FIGURE 5-15. CONSOLE ASSEMBLY - WITHOUT SKYGUARD (SN 0300200802 through 0300219869)

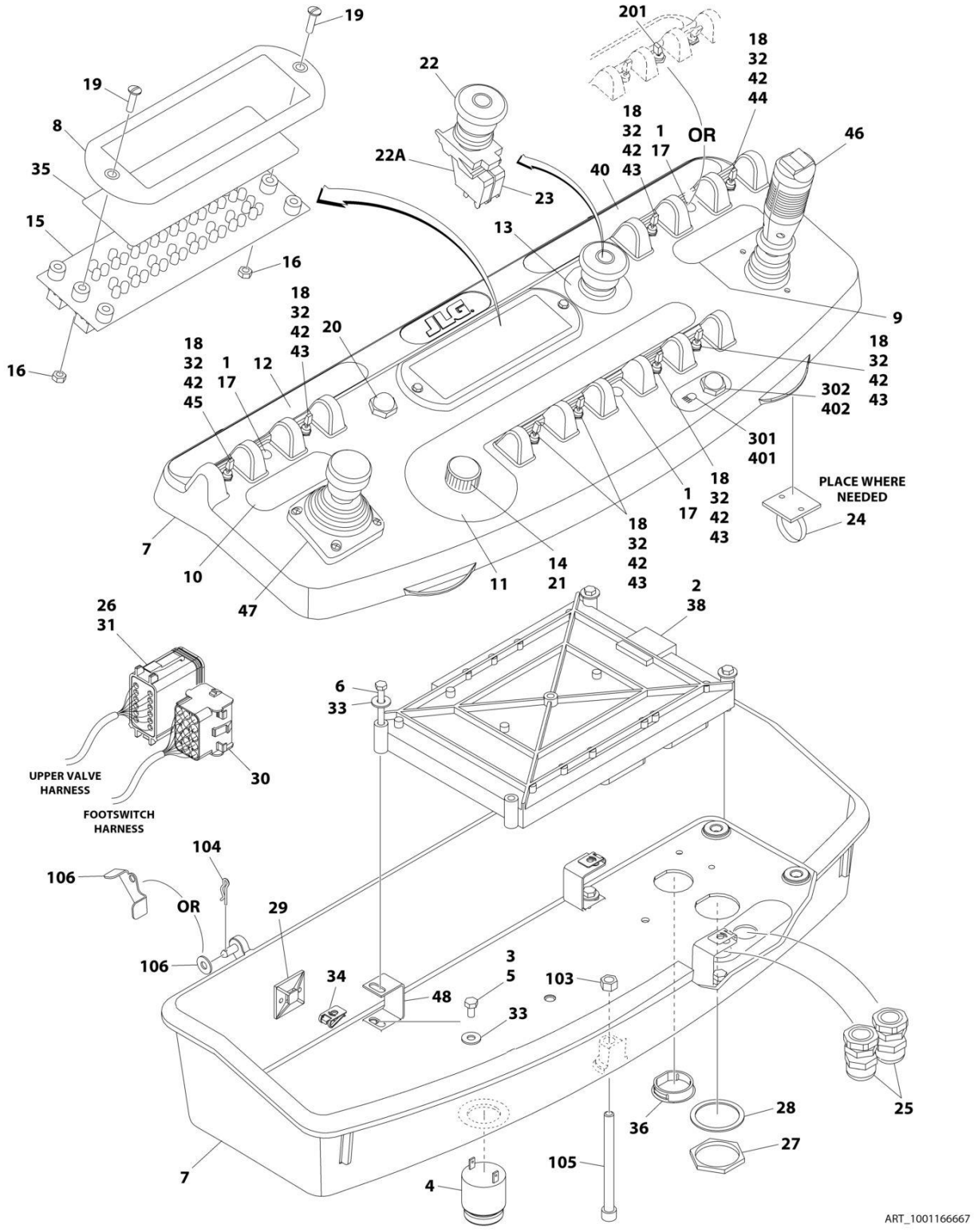


FIGURE 5-15. CONSOLE ASSEMBLY - WITHOUT SKYGUARD (SN 0300200802 through 0300219869)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166667	Ref	CONSOLE ASSEMBLY - WITHOUT SKYGUARD **(SN 0300200802 through 0300219869)**	C
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100081	AR	Adhesive	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4-20 x 1/2	
6	0700617	4	Bolt M6 x 45	
7	0861441	1	Box, Console (See Items 103-106 for Breakdown)	
8	1671176	1	Bezel	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1702567	1	Decal - Function Speed	
12	1702676	1	Decal - Horn	
13	1704260	1	Decal - EMS	
14	2560136	1	Handle, Knob	
15	2920154	1	Panel, LED	
16	3311005	2	Nut #10-24	
17	3520028	3	Plug, Hole	
18	3790012	8	O-Ring	
19	3911018	2	Bolt #10-24 x 1-1/8	
20	4360387	1	Switch, Pushbutton	
21	4360407	1	Controller, Speed	
21	4460224	1	Receptacle, Female - 6 Position	
21	4460226	1	Socket, Female	
21	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
21	70003784	1	Seal	
22	4360475	1	Switch, Emergency Stop	
22	7020175	1	Cap, Red	
22A	7020176	1	Contact Block	
23	4360476	1	Block, Contact	
24	4460234	3	Base, Mounting	
25	4460428	2	Connector, Strain Relief	
26	4460466	7	Seal, Plug	
27	4460470	1	Nut	
28	4460471	1	Washer	
29	4460488	1	Base, Mounting	
30	4460708	1	Receptacle, Female - 15 Position	
31	4460933	1	Plug, Male - 12 Position	
32	4740397	8	Washer	
33	4751400	8	Washer 1/4	
34	8305919	4	Retainer M6	
35	1001107952	1	Decal - Display	
36	1001110434	1	Plug, Hole	
37	1001117174	1	Footswitch Assembly (Not Shown - See CONSOLE AND FOOTSWITCH INSTALLATION for Breakdown)	
38	1001118412	1	Module, Platform (Note: Re-calibration Required when Replaced)	
39	1001118415	1	Platform Console Harness Assembly (Not Shown - See ELECTRICAL SECTION for Breakdown)	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	1001131168	1	Decal - Stop	
41	1001140525	1	Platform to Boom Valves Harness Assembly (Not Shown - See ELECTRICAL SECTION for Breakdown)	
42	1001155044	8	Nut 15/32-32	
43	1001155045	6	Switch, Toggle	
44	1001159256	1	Switch, Toggle	
45	1001161709	1	Switch, Toggle	
46	1001166538	NLA	Drive/Steer Controller Assembly (Use p/n 1001212415) (See DRIVE/STEER CONTROLLER ASSEMBLY for Breakdown)	
47	1001166539	NLA	Lift/Swing Controller Assembly (Use p/n 1001129555) (See LIFT/SWING CONTROLLER ASSEMBLY for Breakdown)	
48	1001172760	4	Bracket	
	0861441	Ref	CONSOLE BOX ASSEMBLY	H
103	3311601	1	Nut 3/8-16	
104	3470003	2	Pin, Cotter	
105	0630568	1	Capscrew 3/8-16 x 4-1/2	
106	4711500	2	Washer 5/16 **(SN 0300200802 through 0300219869)**	
106	1001200575	2	Bracket, Stop **(SN 0300219870 through 0300272222, Except SN 0300272191 through 0300272192)**	
	1001145805	Ref	DUAL FUEL SWITCH INSTALLATION (GAS MACHINES ONLY)	
201	4360336	1	Switch, Toggle	
	1001120232	Ref	TURNTABLE FLOODLIGHTS SWITCH INSTALLATION	
301	1705170	1	Decal - Lights	
302	4360522	1	Switch, Push Button	
	1001149144	Ref	HEAD AND TAIL LIGHTS INSTALLATION	
401	1705170	1	Decal - Lights	
402	4360522	1	Switch, Push Button	

SECTION 5 - PLATFORM

FIGURE 5-16. CONSOLE ASSEMBLY - WITHOUT SKYGUARD (SN 0300219870 through 0300272222)

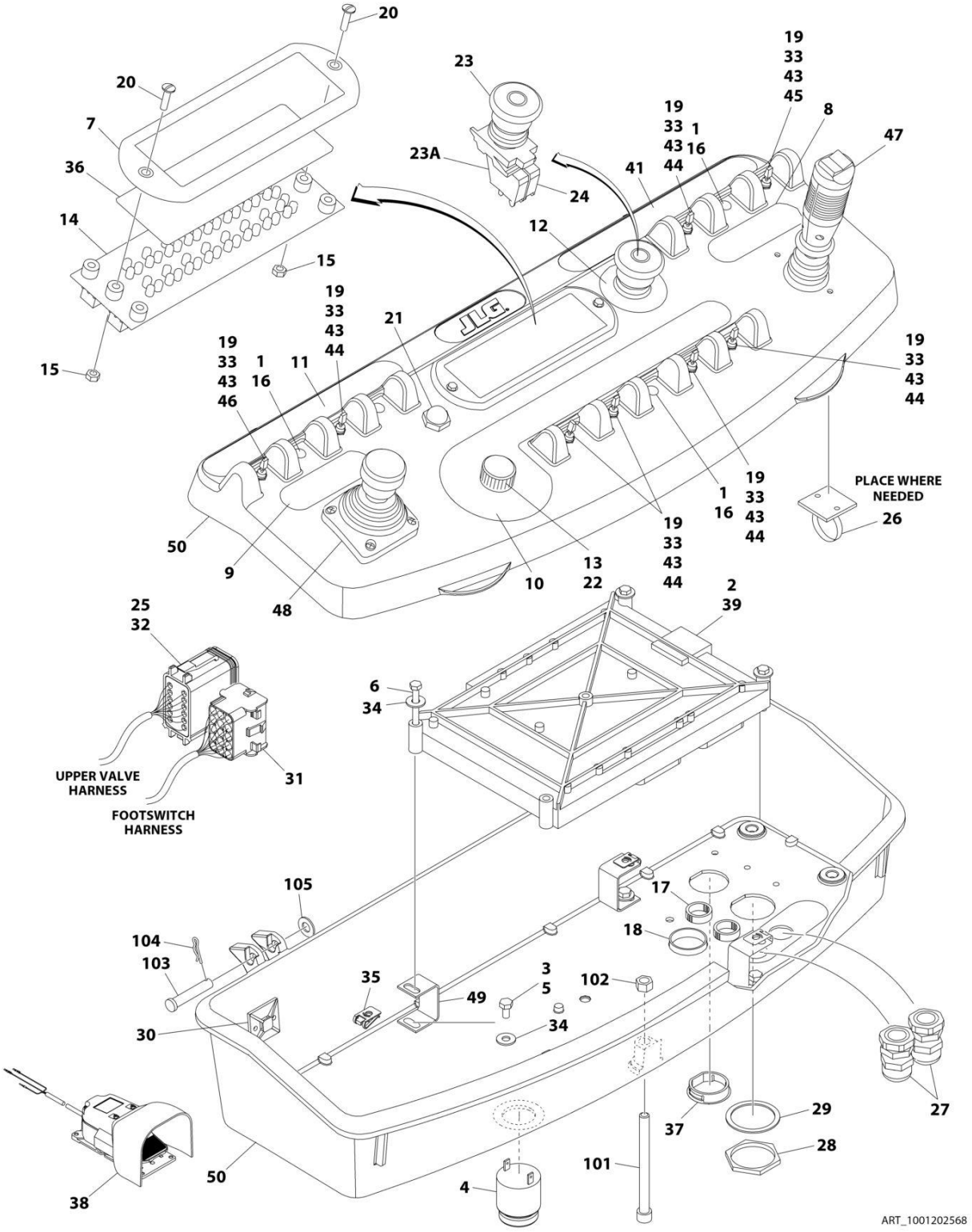


FIGURE 5-16. CONSOLE ASSEMBLY - WITHOUT SKYGUARD (SN 0300219870 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202568	Ref	CONSOLE ASSEMBLY - WITHOUT SKYGUARD	C
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100081	AR	Adhesive	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4-20 x 1/2	
6	0700617	4	Bolt M6 x 45	
7	1671176	1	Bezel	
8	1702565	1	Decal - Drive and Steer	
9	1702566	1	Decal - Lift and Swing	
10	1702567	1	Decal - Function Speed	
11	1702676	1	Decal - Horn	
12	1704260	1	Decal - EMS	
13	2560136	1	Handle, Knob	
14	2920154	1	Panel, LED	
15	3311005	2	Nut #10-24	
16	3520028	4	Plug, Hole	
17	3520033	2	Plug, Hole **(SN 0300200802 through 0300224043)**	
17	1001220486	2	Plug, Hole **(SN 0300224044 through 0300272222, Except SN 0300272191 through 0300272192)**	
18	3520035	1	Plug, Cap	
19	3790012	8	O-Ring	
20	3911018	2	Bolt #10-24 x 1-1/8	
21	4360387	1	Switch, Pushbutton	
22	4360407	1	Controller, Speed	
22	4460224	1	Receptacle, Female - 6 Position	
22	4460226	1	Socket, Female	
22	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
22	70003784	1	Seal	
23	4360475	1	Switch, Emergency Stop	
23	7020175	1	Cap, Red	
23A	7020176	1	Contact Block	
24	4360476	1	Block, Contact	
25	4460466	1	Seal, Plug (Not Shown)	
26	4460234	3	Base, Mounting	
27	4460428	2	Connector, Strain Relief	
28	4460470	1	Nut	
29	4460471	1	Washer	
30	4460488	1	Base, Mounting	
31	4460708	1	Receptacle, Female - 15 Position	
32	4460933	1	Plug, Male - 12 Position	
33	4740397	8	Washer	
34	4751400	8	Washer 1/4	
35	8305919	4	Retainer M6	
36	1001107952	1	Decal - Display	
37	1001110434	1	Plug, Hole	
38	1001117174	1	Footswitch Assembly (Not Shown - See CONSOLE AND FOOTSWITCH INSTALLATION for Breakdown)	
39	1001118412	1	Module, Platform (Note: Re-calibration Required when Replaced)	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	1001118415	1	Platform Console Harness Assembly (Not Shown - See ELECTRICAL SECTION for Breakdown)	
41	1001131168	1	Decal - Stop	
42	1001140525	1	Platform to Boom Valves Harness Assembly (Not Shown - See ELECTRICAL SECTION for Breakdown)	
43	1001155044	8	Nut 15/32-32	
44	1001155045	6	Switch, Toggle	
45	1001159256	1	Switch, Toggle	
46	1001161709	1	Switch, Toggle	
47	1001166538	NLA	Drive/Steer Controller Assembly (Use p/n 1001212415) (See DRIVE/STEER CONTROLLER ASSEMBLY for Breakdown)	
48	1001166539	NLA	Lift/Swing Controller Assembly (Use p/n 1001129555) (See LIFT/SWING CONTROLLER ASSEMBLY for Breakdown)	
49	1001172760	4	Bracket	
50	1001201886	1	Box, Console (See Items 101-105 for Breakdown)	
	1001201886	Ref	CONSOLE BOX ASSEMBLY	B
101	0630568	1	Capscrew 3/8-16 x 4-1/2	
102	3311601	1	Nut 3/8-16	
103	3430616	2	Pin, Clevis	
104	3470003	2	Pin, Cotter	
105	4711600	2	Washer 3/8	

FIGURE 5-17. CONSOLE ASSEMBLY WITHOUT LSS OR WITH 4 CELL LSS - WITH SKYGUARD (SN 0300200802 through 0300219869)

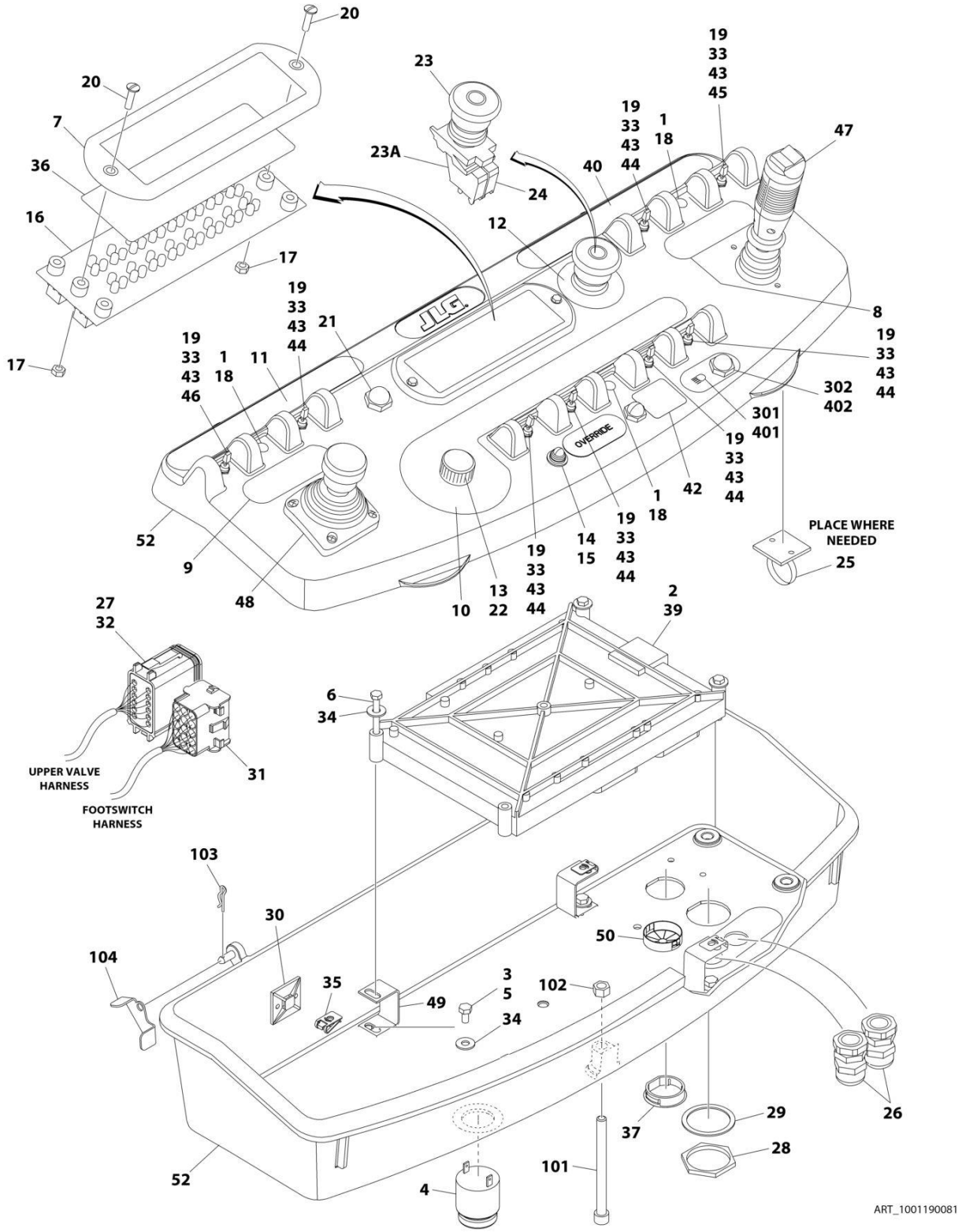


FIGURE 5-17. CONSOLE ASSEMBLY WITHOUT LSS OR WITH 4 CELL LSS - WITH SKYGUARD (SN 0300200802 through 0300219869)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190081	Ref	CONSOLE ASSEMBLY WITHOUT LSS OR WITH 4 CELL LSS - WITH SKYGUARD **(SN 0300200802 through 0300219869)**	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	0700617	4	Bolt M6 x 45	
7	1671176	1	Bezel	
8	1702565	1	Decal - Drive and Steer	
9	1702566	1	Decal - Lift and Swing	
10	1702567	1	Decal - Function Speed	
11	1702676	1	Decal - Horn	
12	1704260	1	Decal - EMS	
13	2560136	1	Handle, Knob	
14	2920028	1	Light, Indicator	
15	2920029	1	Bulb, Light	
16	2920154	1	Panel, LED	
17	3311005	2	Nut #10-24	
18	3520028	3	Plug, Hole	
19	3790012	8	O-Ring	
20	3911018	2	Bolt #10 x 1-1/8	
21	4360387	1	Switch, Pushbutton	
22	4360407	1	Controller, Speed	
22	4460224	1	Receptacle, Female - 6 Position	
22	4460226	1	Socket, Female	
22	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
22	70003784	1	Seal	
23	4360475	1	Switch, Emergency Stop	
23	7020175	1	Cap, Red	
23A	7020176	1	Contact Block	
24	4360476	1	Block, Contact	
25	4460234	3	Base, Mounting	
26	4460428	2	Connector, Strain Relief	
27	4460466	7	Seal, Plug	
28	4460470	1	Nut	
29	4460471	1	Washer	
30	4460488	1	Base, Mounting	
31	4460708	1	Receptacle, Female - 15 Position	
32	4460933	1	Plug, Male - 12 Position	
33	4740397	8	Washer	
34	4751400	8	Washer 1/4	
35	8305919	4	Retainer M6	
36	1001107952	1	Decal - Display	
37	1001110434	1	Plug, Hole	
38	1001117174	1	Footswitch Assembly (Not Shown - See CONSOLE AND FOOTSWITCH INSTALLATION for Breakdown)	
39	1001118412	1	Module, Platform (Note: Re-calibration Required when Replaced)	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	1001131168	1	Decal - Stop	
41	1001140525	1	Platform to Boom Valves Harness Assembly (Not Shown - See ELECTRICAL SECTION for Breakdown)	
42	1001144433	1	Decal - No Weight	
43	1001155044	8	Nut 15/32	
44	1001155045	6	Switch, Toggle	
45	1001159256	1	Switch, Toggle	
46	1001161709	1	Switch, Toggle	
47	1001166538	NLA	Drive/Steer Controller Assembly (Use p/n 1001212415) (See DRIVE/STEER CONTROLLER ASSEMBLY for Breakdown)	
48	1001166539	NLA	Lift/Swing Controller Assembly (Use p/n 1001129555) (See LIFT/SWING CONTROLLER ASSEMBLY for Breakdown)	
49	1001172760	4	Bracket	
50	1001185281	1	Plug	
51	1001186891	1	Platform Console Harness Assembly (Not Shown - See ELECTRICAL SECTION for Breakdown)	
52	1001190017	1	Box, Console (See Items 101-104 for Breakdown)	
	1001190017	Ref	CONSOLE BOX ASSEMBLY	D
101	0630568	1	Capscrew 3/8 x 4-1/2	
102	3311601	1	Nut 3/8	
103	3470003	2	Pin, Cotter	
104	1001200575	2	Bracket, Stop	
	1001120232	Ref	TURNTABLE FLOODLIGHTS SWITCH INSTALLATION	
301	1705170	1	Decal - Lights	
302	4360522	1	Switch, Push Button	
	1001149144	Ref	HEAD AND TAIL LIGHTS INSTALLATION	
401	1705170	1	Decal - Lights	
402	4360522	1	Switch, Push Button	

FIGURE 5-18. CONSOLE ASSEMBLY WITHOUT LSS OR WITH 4 CELL LSS - WITH SKYGUARD (SN 0300219870 through 0300272222)

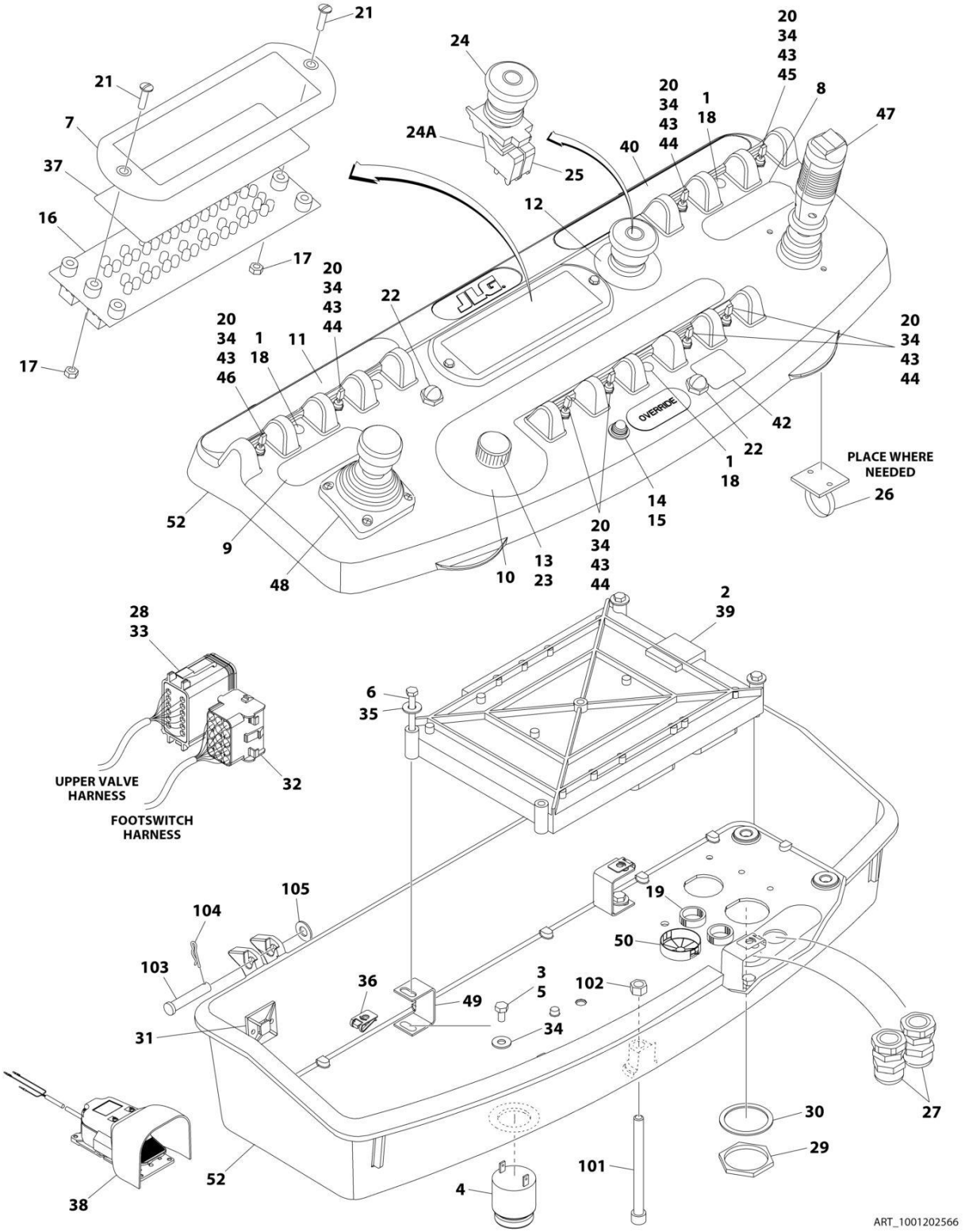


FIGURE 5-18. CONSOLE ASSEMBLY WITHOUT LSS OR WITH 4 CELL LSS - WITH SKYGUARD (SN 0300219870 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202566	Ref	CONSOLE ASSEMBLY WITHOUT LSS OR WITH 4 CELL LSS - WITH SKYGUARD	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	0700617	4	Bolt M6 x 45	
7	1671176	1	Bezel	
8	1702565	1	Decal - Drive and Steer	
9	1702566	1	Decal - Lift and Swing	
10	1702567	1	Decal - Function Speed	
11	1702676	1	Decal - Horn	
12	1704260	1	Decal - EMS	
13	2560136	1	Handle, Knob	
14	2920028	1	Light, Indicator	
15	2920029	1	Bulb, Light	
16	2920154	1	Panel, LED	
17	3311005	2	Nut #10-24	
18	3520028	4	Plug, Hole	
19	3520033	2	Plug, Hole **(SN 0300200802 through 0300224043)**	
19	1001220486	2	Plug, Hole **(SN 0300224044 through 0300272222, Except SN 0300272191 through 0300272192)**	
20	3790012	8	O-Ring	
21	3911018	2	Bolt #10 x 1-1/8	
22	4360387	2	Switch, Pushbutton	
23	4360407	1	Controller, Speed	
23	4460224	1	Receptacle, Female - 6 Position	
23	4460226	1	Socket, Female	
23	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
23	70003784	1	Seal	
24	4360475	1	Switch, Emergency Stop	
24	7020175	1	Cap, Red	
24A	7020176	1	Contact Block	
25	4360476	1	Block, Contact	
26	4460234	3	Base, Mounting	
27	4460428	2	Connector, Strain Relief	
28	4460466	7	Seal, Plug	
29	4460470	1	Nut	
30	4460471	1	Washer	
31	4460488	1	Base, Mounting	
32	4460708	1	Receptacle, Female - 15 Position	
33	4460933	1	Plug, Male - 12 Position	
34	4740397	8	Washer	
35	4751400	8	Washer 1/4	
36	8305919	4	Retainer M6	
37	1001107952	1	Decal - Display	
38	1001117174	1	Footswitch Assembly (Not Shown - See CONSOLE AND FOOTSWITCH INSTALLATION for Breakdown)	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	1001118412	1	Module, Platform (Note: Re-calibration Required when Replaced)	
40	1001131168	1	Decal - Stop	
41	1001140525	1	Platform to Boom Valves Harness Assembly (Not Shown - See ELECTRICAL SECTION for Breakdown)	
42	1001144433	1	Decal - No Weight	
43	1001155044	8	Nut 15/32	
44	1001155045	6	Switch, Toggle	
45	1001159256	1	Switch, Toggle	
46	1001161709	1	Switch, Toggle	
47	1001166538	NLA	Drive/Steer Controller Assembly (Use p/n 1001212415) (See DRIVE/STEER CONTROLLER ASSEMBLY for Breakdown)	
48	1001166539	NLA	Lift/Swing Controller Assembly (Use p/n 1001129555) (See LIFT/SWING CONTROLLER ASSEMBLY for Breakdown)	
49	1001172760	4	Bracket	
50	1001185281	1	Plug	
51	1001186891	1	Platform Console Harness Assembly (Not Shown - See ELECTRICAL SECTION for Breakdown)	
52	1001201887	1	Box, Console (See Items 101-105 for Breakdown)	
	1001201887	Ref	CONSOLE BOX ASSEMBLY	B
101	0630568	1	Capscrew 3/8 x 4-1/2	
102	3311601	1	Nut 3/8	
103	3430616	2	Pin, Clevis	
104	3470003	2	Pin, Cotter	
105	4711600	2	Washer 3/8	

FIGURE 5-19. CONSOLE ASSEMBLY WITH 1 CELL LSS - WITH SKYGUARD (SN 0300200802 through 0300257079)

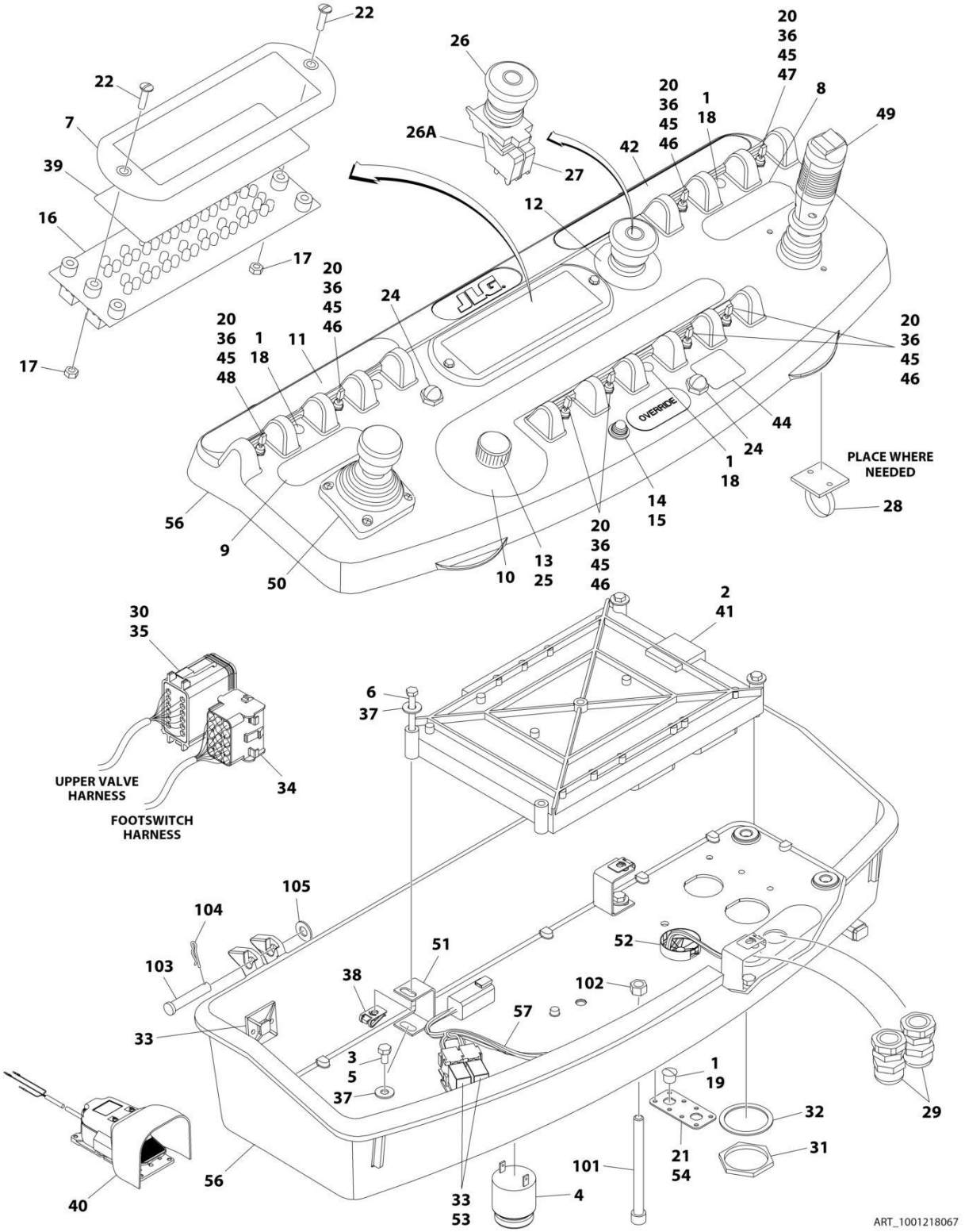


FIGURE 5-19. CONSOLE ASSEMBLY WITH 1 CELL LSS - WITH SKYGUARD (SN 0300200802 through 0300257079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001218067	Ref	CONSOLE ASSEMBLY WITH 1 CELL LSS - WITH SKYGUARD	D
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100035	1	Compound, Locking	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4 x 1/2	
6	0700617	4	Bolt M6 x 45	
7	1671176	1	Bezel	
8	1702565	1	Decal - Drive and Steer	
9	1702566	1	Decal - Lift and Swing	
10	1702567	1	Decal - Function Speed	
11	1702676	1	Decal - Horn	
12	1704260	1	Decal - EMS	
13	2560136	1	Handle, Knob	
14	2920028	1	Light, Indicator	
15	2920029	1	Bulb, Light	
16	2920154	1	Panel, LED	
17	3311005	2	Nut #10-24	
18	3520028	4	Plug, Hole	
19	3520054	1	Plug	
20	3790012	8	O-Ring	
21	3900349	8	Capscrew M2.5 x 8	
22	3911018	2	Screw #10 x 1-1/8	
23	4240032	AR	Tie-Strap (Not Shown)	
24	4360387	2	Switch, Push Button	
25	4360407	1	Controller, Speed	
25	4460224	1	Receptacle, Female - 6 Position	
25	4460226	1	Socket, Female	
25	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
25	70003784	1	Seal	
26	4360475	1	Switch, Emergency Stop	
26	7020175	1	Cap, Red	
26A	7020176	1	Contact Block	
27	4360476	1	Block, Contact	
28	4460234	3	Base, Mounting	
29	4460428	2	Connector, Strain Relief	
30	4460466	7	Seal, Plug	
31	4460470	1	Nut	
32	4460471	1	Washer	
33	4460488	2	Base, Mounting	
34	4460708	1	Receptacle, Female - 15 Position	
35	4460933	1	Plug, Male - 12 Position	
36	4740397	8	Washer	
37	4751400	8	Washer 1/4	
38	8305919	4	Retainer M6	
39	1001107952	1	Decal - Display	
40	1001117174	1	Footswitch Assembly (Not Shown - See CONSOLE AND FOOTSWITCH INSTALLATION for Breakdown)	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	1001118412	1	Module, Platform (Note: Re-calibration Required when Replaced)	
42	1001131168	1	Decal - Stop	
43	1001140525	1	Platform to Boom Valves Harness Assembly (Not Shown - See ELECTRICAL SECTION for Breakdown)	
44	1001144433	1	Decal - No Weight	
45	1001155044	8	Nut 15/32	
46	1001155045	6	Switch, Toggle	
47	1001159256	1	Switch, Toggle	
48	1001161709	1	Switch, Toggle	
49	1001166538	NLA	Drive/Steer Controller Assembly (Use p/n 1001212415) (See DRIVE/STEER CONTROLLER ASSEMBLY for Breakdown)	
50	1001166539	NLA	Lift/Swing Controller Assembly (Use p/n 1001129555) (See LIFT/SWING CONTROLLER ASSEMBLY for Breakdown)	
51	1001172760	4	Bracket	
52	1001185281	1	Plug	
53	1001186431	2	Relay	
54	1001213882	1	Mount, Connector	
55	1001217029	1	Platform Console Harness Assembly (Not Shown - See ELECTRICAL SECTION for Breakdown)	
56	1001218068	1	Box, Console (See Items 101-105 for Breakdown)	
57	1001225580	1	Generator to Platform Harness Assembly (See ELECTRICAL SECTION for Breakdown)	
	1001218068	Ref	CONSOLE BOX ASSEMBLY	C
101	0630568	1	Capscrew 3/8 x 4-1/2	
102	3311601	1	Nut 3/8	
103	3430616	2	Pin, Clevis	
104	3470003	2	Pin, Cotter	
105	4711600	2	Washer 3/8	

SECTION 5 - PLATFORM

FIGURE 5-20. CONSOLE ASSEMBLY WITH 1 CELL LSS - WITH SKYGUARD (SN 0300257079 through 0300272222)

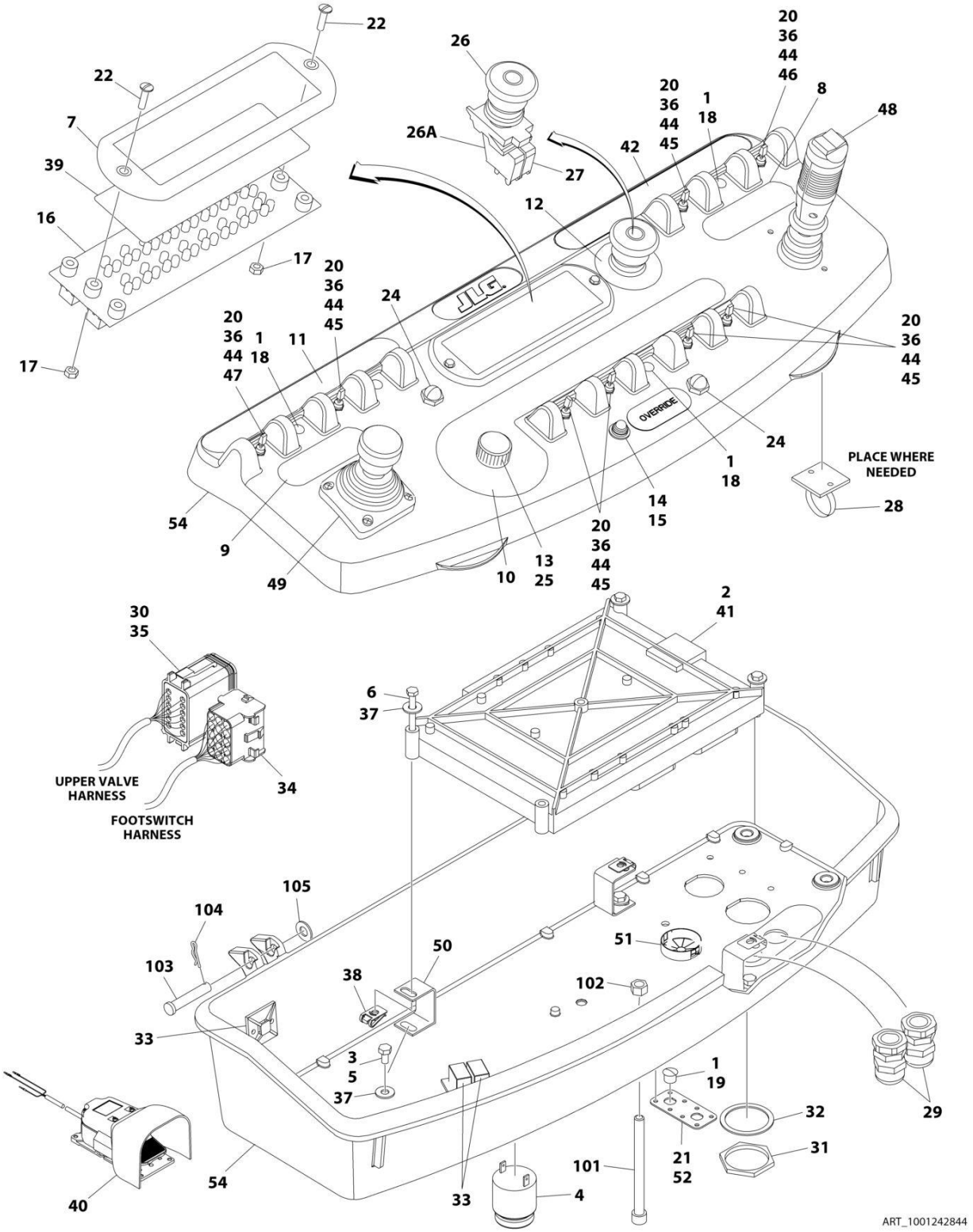


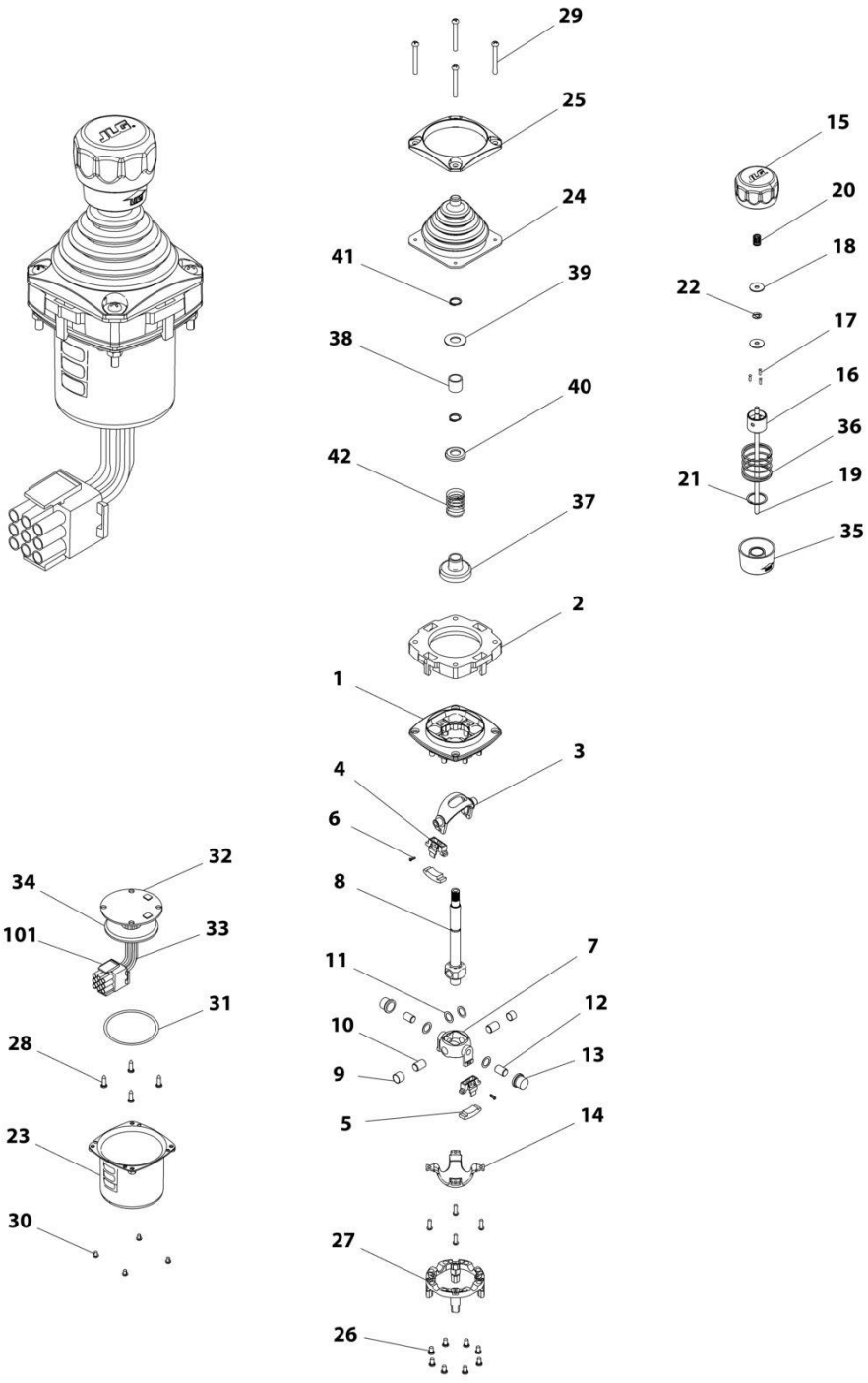
FIGURE 5-20. CONSOLE ASSEMBLY WITH 1 CELL LSS - WITH SKYGUARD (SN 0300257079 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242844	Ref	CONSOLE ASSEMBLY WITH 1 CELL LSS - WITH SKYGUARD	C
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100035	1	Compound, Locking	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4 x 1/2	
6	0700617	4	Bolt M6 x 45	
7	1671176	1	Bezel	
8	1702565	1	Decal - Drive and Steer	
9	1702566	1	Decal - Lift and Swing	
10	1702567	1	Decal - Function Speed	
11	1702676	1	Decal - Horn	
12	1704260	1	Decal - EMS	
13	2560136	1	Handle, Knob	
14	2920028	1	Light, Indicator	
15	2920029	1	Bulb, Light	
16	2920154	1	Panel, LED	
17	3311005	2	Nut #10-24	
18	3520028	4	Plug, Hole	
19	3520054	1	Plug	
20	3790012	8	O-Ring	
21	3900349	8	Capscrew M2.5 x 8	
22	3911018	2	Screw #10 x 1-1/8	
23	4240032	AR	Tie-Strap (Not Shown)	
24	4360387	2	Switch, Push Button	
25	4360407	1	Controller, Speed	
25	4460224	1	Receptacle, Female - 6 Position	
25	4460226	1	Socket, Female	
25	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
25	70003784	1	Seal	
26	4360475	1	Switch, Emergency Stop	
26	7020175	1	Cap, Red	
26A	7020176	1	Contact Block	
27	4360476	1	Block, Contact	
28	4460234	3	Base, Mounting	
29	4460428	2	Connector, Strain Relief	
30	4460466	7	Seal, Plug	
31	4460470	1	Nut	
32	4460471	1	Washer	
33	4460488	2	Base, Mounting	
34	4460708	1	Receptacle, Female - 15 Position	
35	4460933	1	Plug, Male - 12 Position	
36	4740397	8	Washer	
37	4751400	8	Washer 1/4	
38	8305919	4	Retainer M6	
39	1001107952	1	Decal - Display	
40	1001117174	1	Footswitch Assembly (Not Shown - See Separate Breakdown in this Section)	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	1001118412	1	Module, Platform (Note: Re-calibration Required when Replaced)	
42	1001131168	1	Decal - Stop	
44	1001155044	8	Nut 15/32	
45	1001155045	6	Switch, Toggle	
46	1001159256	1	Switch, Toggle	
47	1001161709	1	Switch, Toggle	
48	1001166538	NLA	Drive/Steer Controller Assembly (Use p/n 1001212415) (See Separate Breakdown in this Section)	
49	1001166539	NLA	Lift/Swing Controller Assembly (Use p/n 1001129555) (See Separate Breakdown in this Section)	
50	1001172760	4	Bracket	
51	1001185281	1	Plug	
52	1001213882	1	Mount, Connector	
53	1001217029	1	Platform Console Harness Assembly (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
54	1001218068	1	Box, Console (See Items 101-105 for Breakdown)	
55	1001140525	1	Harness, Platform to Boom (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
	1001218068	Ref	CONSOLE BOX ASSEMBLY	C
101	0630568	1	Capscrew 3/8 x 4-1/2	
102	3311601	1	Nut 3/8	
103	3430616	2	Pin, Clevis	
104	3470003	2	Pin, Cotter	
105	4711600	2	Washer 3/8	

FIGURE 5-21. LIFT/SWING CONTROLLER ASSEMBLY



ART_1001166539

FIGURE 5-21. LIFT/SWING CONTROLLER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166539	Ref	LIFT/SWING CONTROLLER ASSEMBLY	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	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460265	1	Connector - 9 Position	
101	4460226	6	Socket, Female	

FIGURE 5-22. DRIVE/STEER CONTROLLER ASSEMBLY

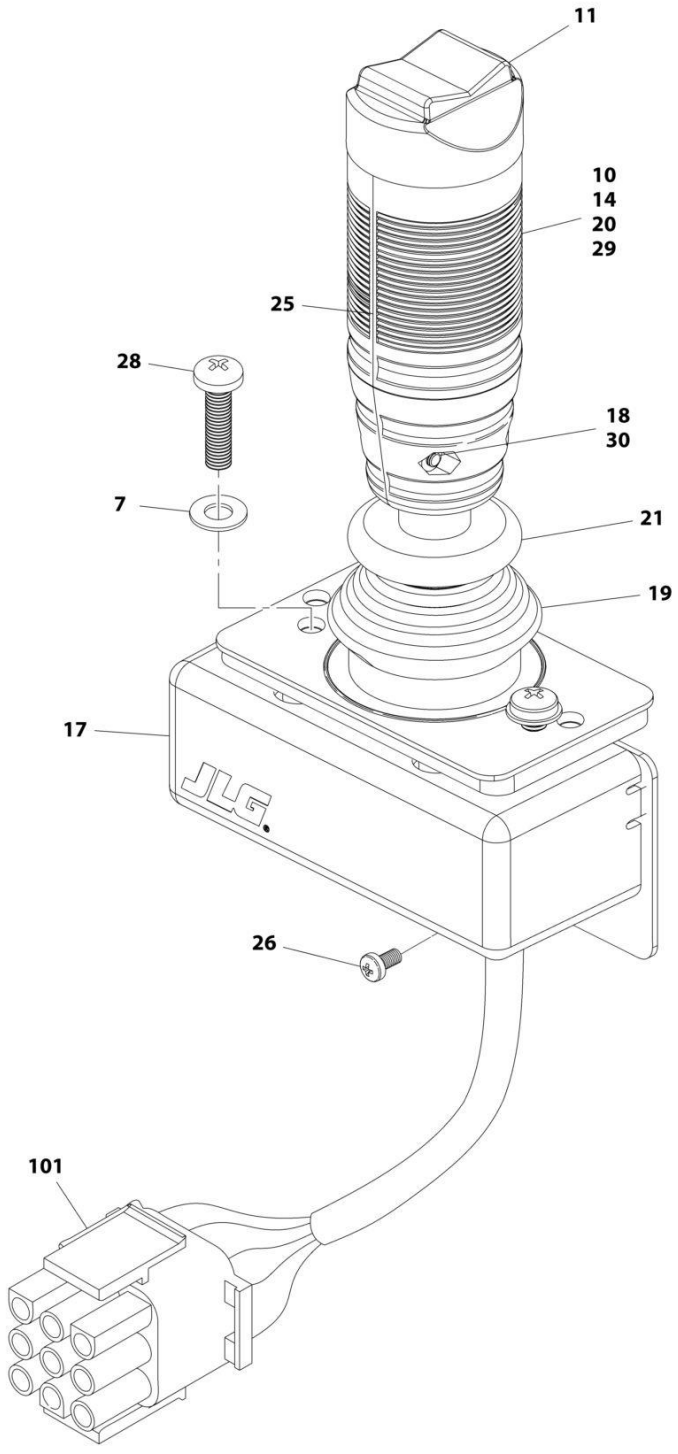


FIGURE 5-22. DRIVE/STEER CONTROLLER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166538	Ref	DRIVE/STEER CONTROLLER ASSEMBLY	G
		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 p/n 70005230 Boot/Base Assembly)	
20	70004745	NLA	Tube, Locking (Use p/n 70005230 Boot/Base Assembly)	
21	70004746	NLA	Disc, Locking (Use p/n 70005230 Boot/Base Assembly)	
25	70004747	2	Seal, Rope	
26	70004748	1	Screw M3 x 6	
28	70004749	2	Screw M5 x 20	
29	70004750	1	Pin, Dowel	
30	70004751	4	Screw M3 x 16	
101	4460265	1	Connector - 9 Position	
101	4460226	7	Socket, Female	

FIGURE 5-23. WORKLIGHTS INSTALLATION (OPTIONAL)

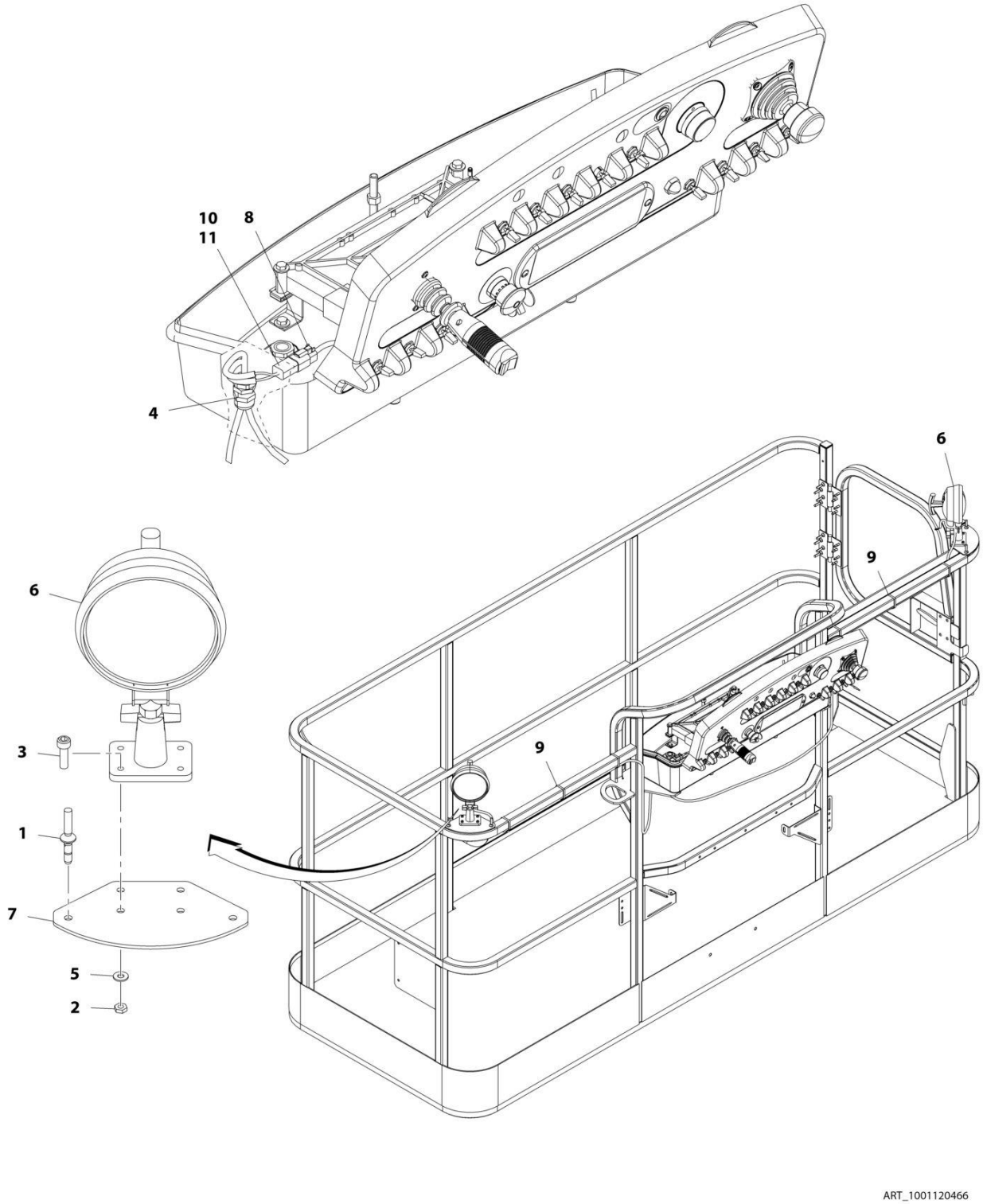


FIGURE 5-23. WORKLIGHTS INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120466	Ref	WORKLIGHTS INSTALLATION (OPTIONAL)	A
1	2080040	4	Fastener, Huck	
2	3311005	8	Nut #10-24	
3	3931010	8	Capscrew #10-24 x 5/8	
4	4460428	1	Connector, Strain Relief	
5	4751000	8	Washer #10	
6	1001120474	2	Worklight Assembly	
7	1001120476	2	Plate, Mounting	
8	1001120484	1	Harness, Worklight	
9	4240099	AR	Tie-Strap	
10	4460464	4	Pin, Male Deutsch 16Ga	
11	4460932	1	Receptacle, Female - 4 Position	

FIGURE 5-24. SKYGUARD BAR INSTALLATION (SN 0300200802 through 0300257079)

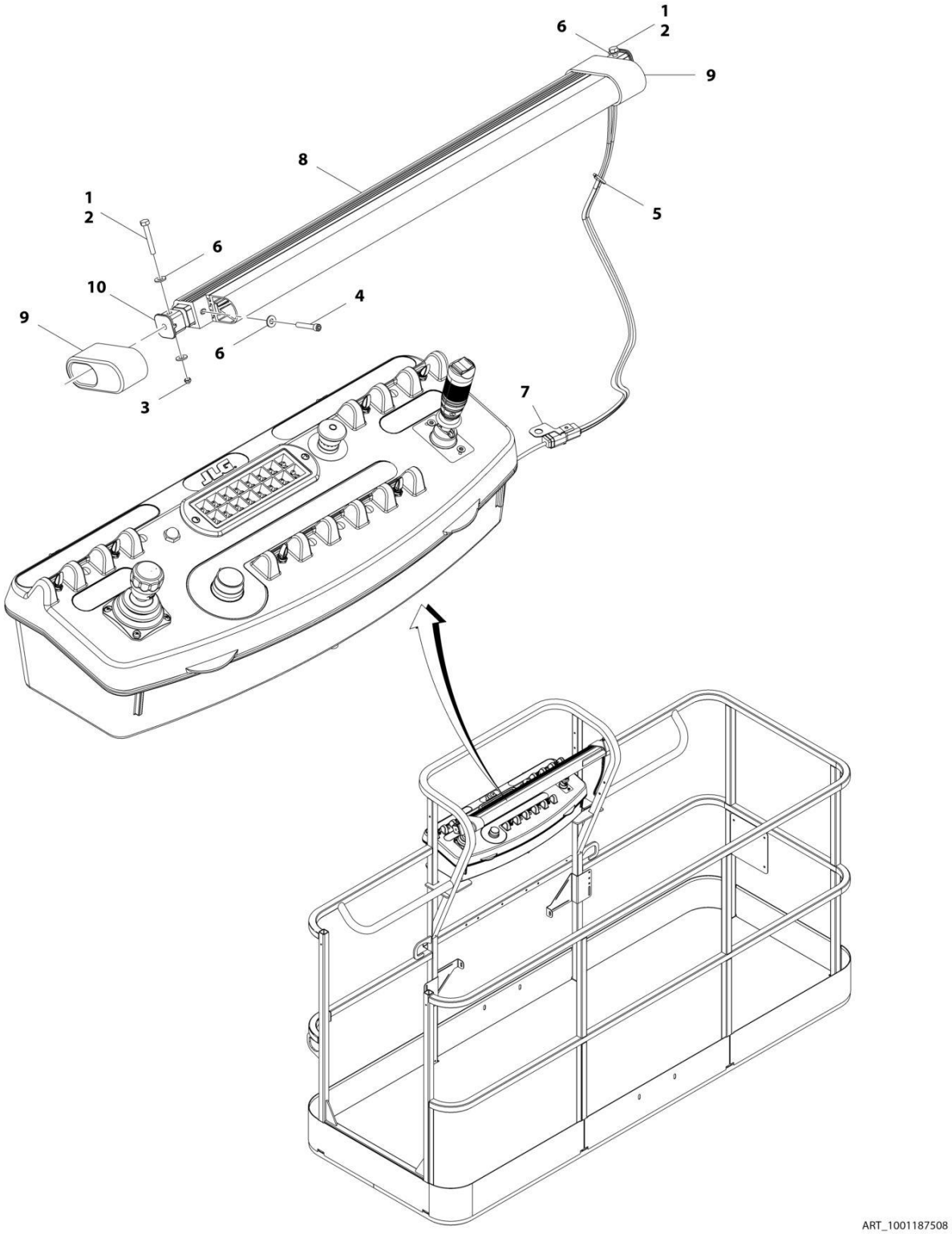


FIGURE 5-24. SKYGUARD BAR INSTALLATION (SN 0300200802 through 0300257079)

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 **(SN 0300200802 through 0300246422)**	
4	3931408	2	Capscrew 1/4 x 1/2 **(SN 0300246422 through 0300257078)**	
5	4240033	AR	Tie-Strap	
6	4711400	AR	Washer 1/4	
7	1001120328	1	Mount	
8	1001137673	1	SkyGuard Switch Assembly	
9	1001186517	2	Cover, Platform Sensor	
10	1001188889	2	Support, Block **(SN 0300200802 through 0300246422)**	
10	1001209664	2	Support, Block **(SN 0300246422 through 0300257078)**	

FIGURE 5-25. SKYGUARD BAR INSTALLATION (SN 0300257079 through 0300272222)

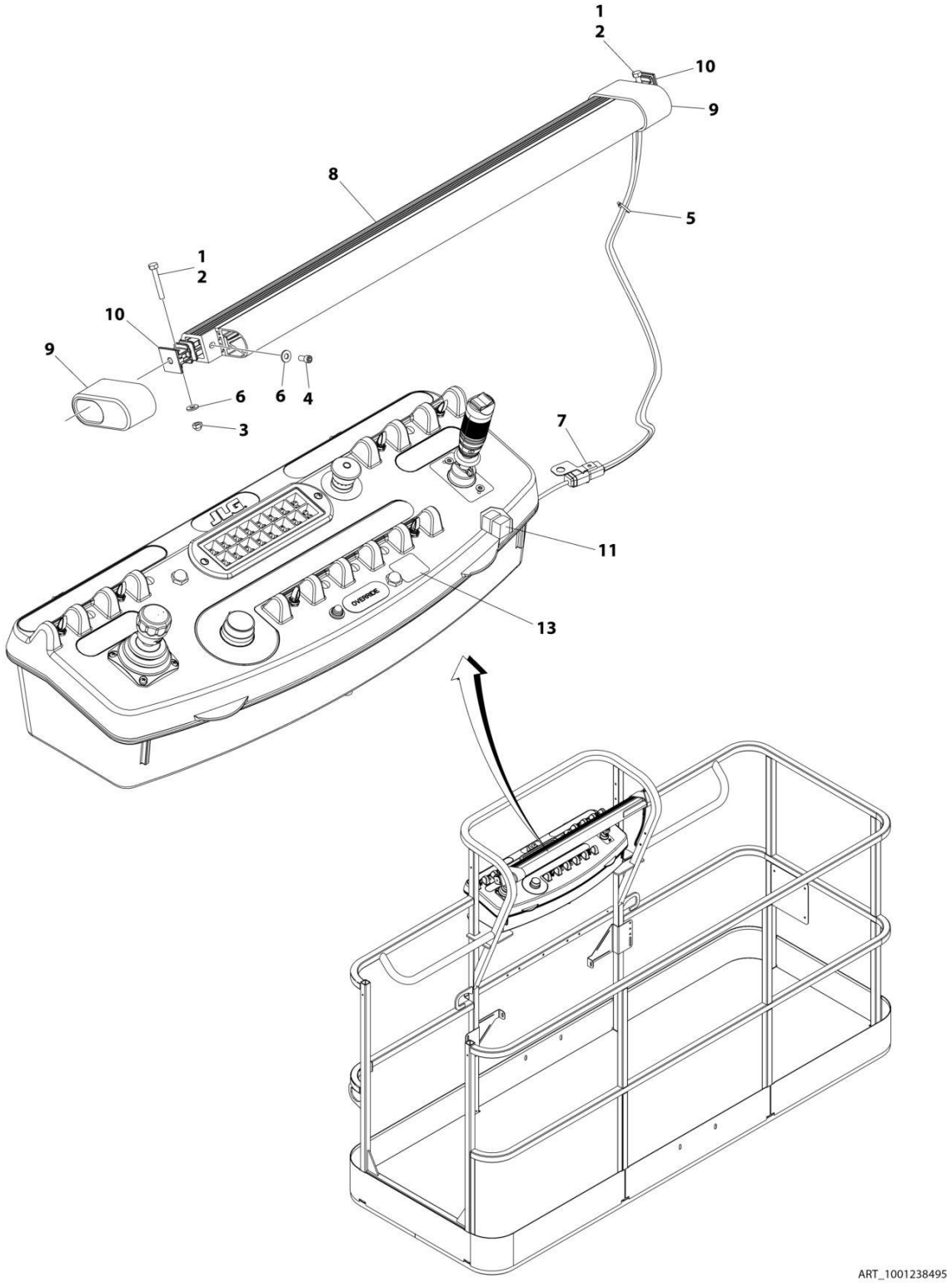


FIGURE 5-25. SKYGUARD BAR INSTALLATION (SN 0300257079 through 0300272222)

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 5-26. SKYEYE INSTALLATION

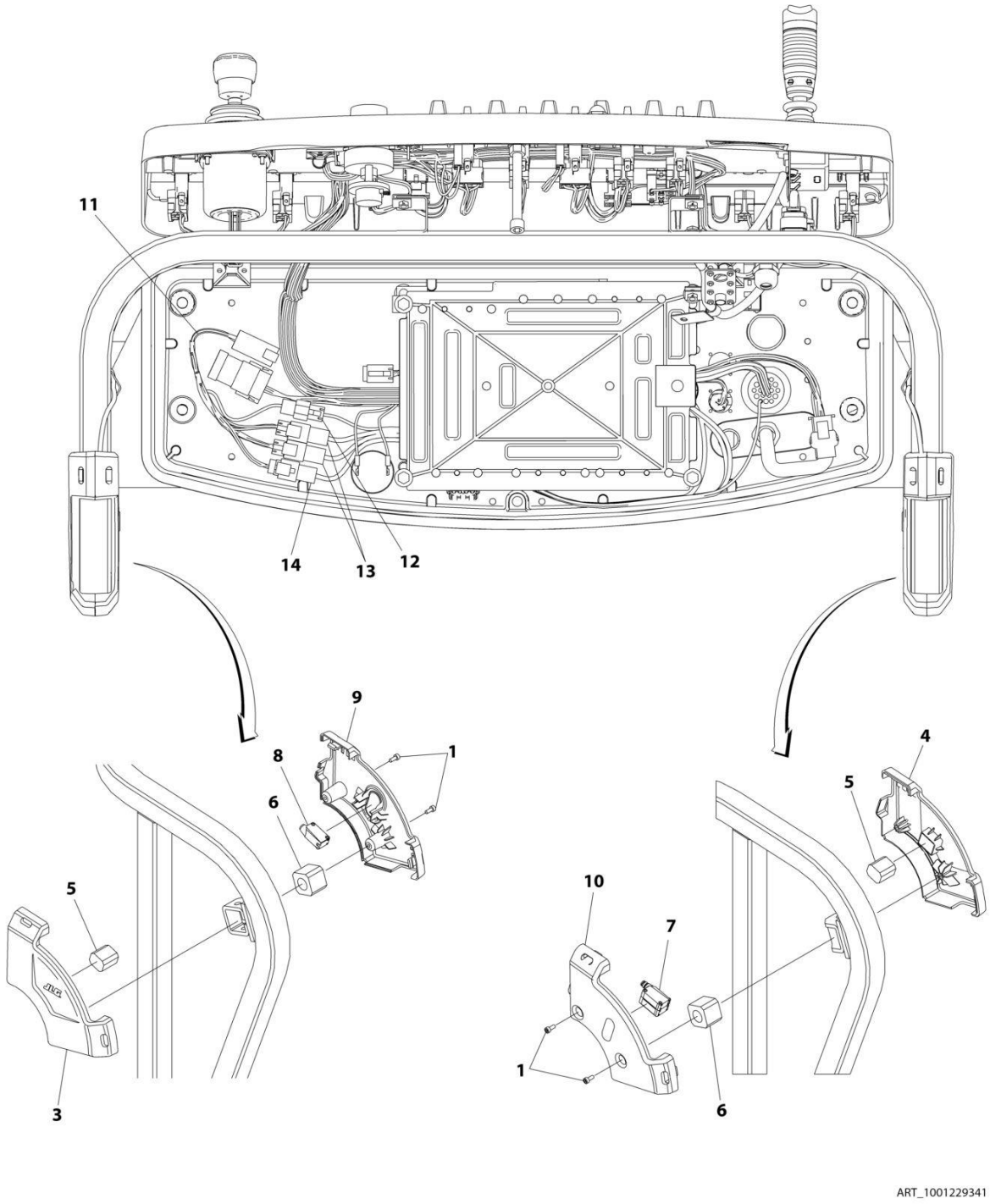


FIGURE 5-26. SKYEYE INSTALLATION

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

FIGURE 5-27. SKYLINE INSTALLATION

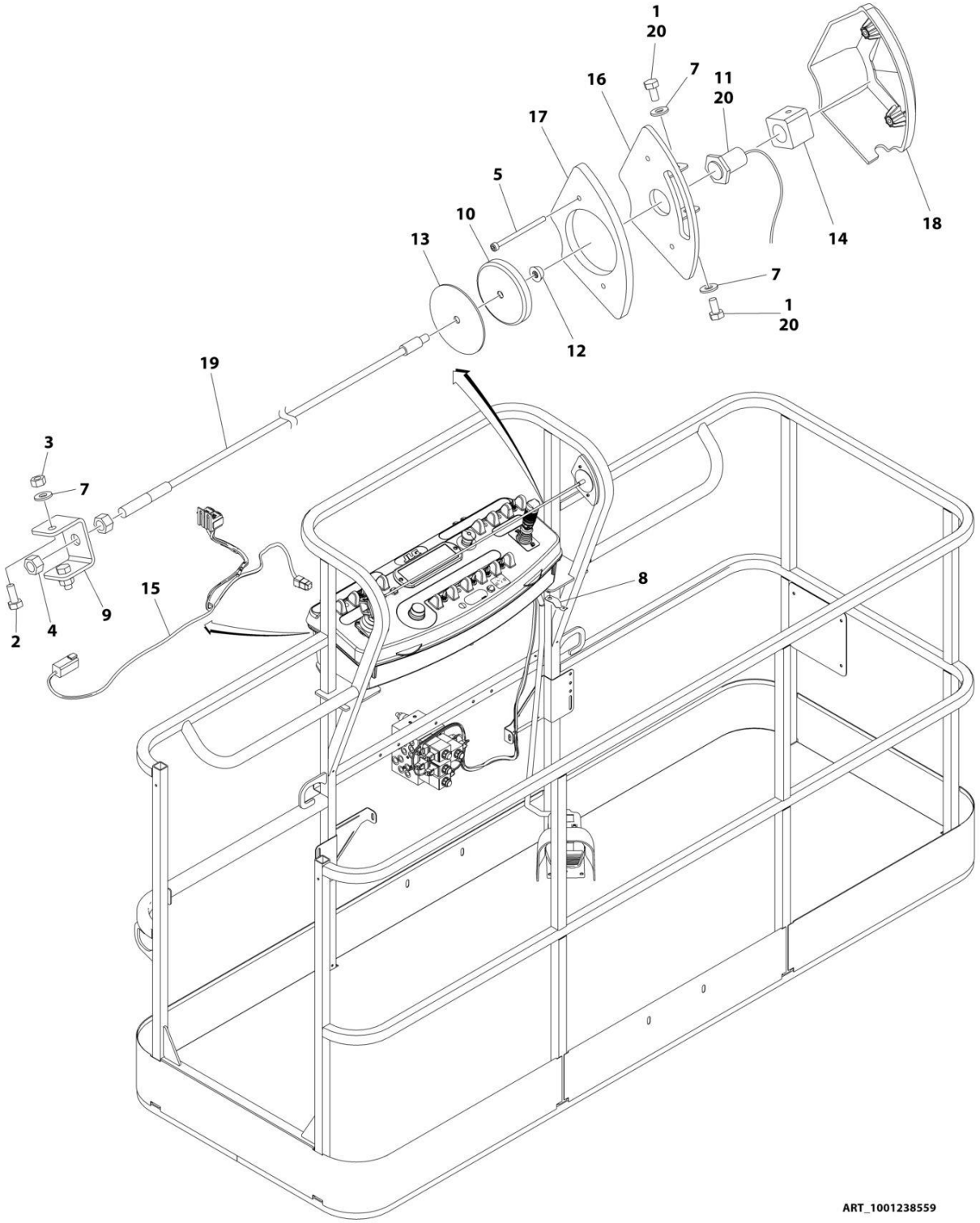


FIGURE 5-27. SKYLINE INSTALLATION

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 5-28. CROSS RAIL INSTALLATION

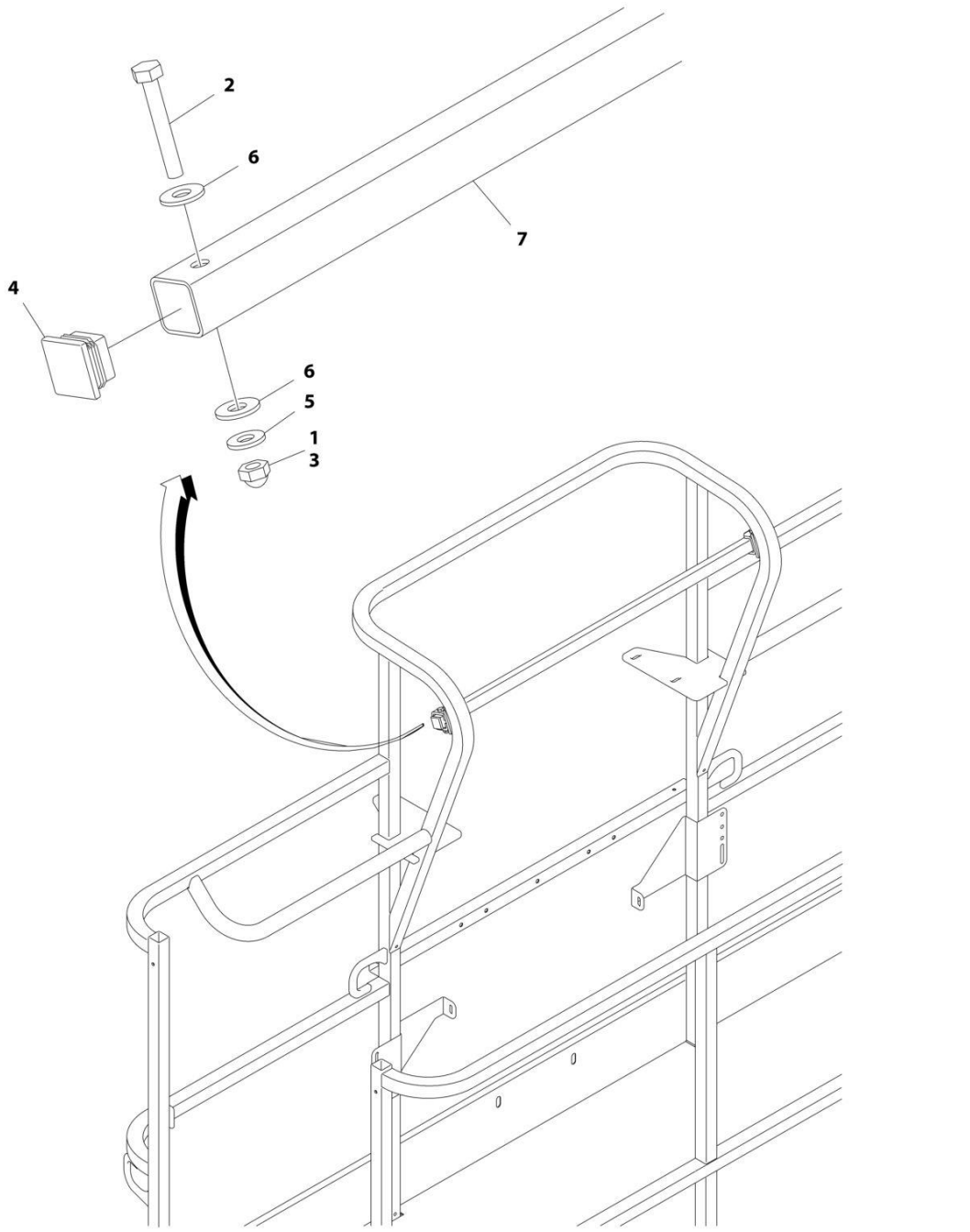


FIGURE 5-28. CROSS RAIL INSTALLATION

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 5-29. PIPE RACK INSTALLATION (AUSTRALIAN SPEC)

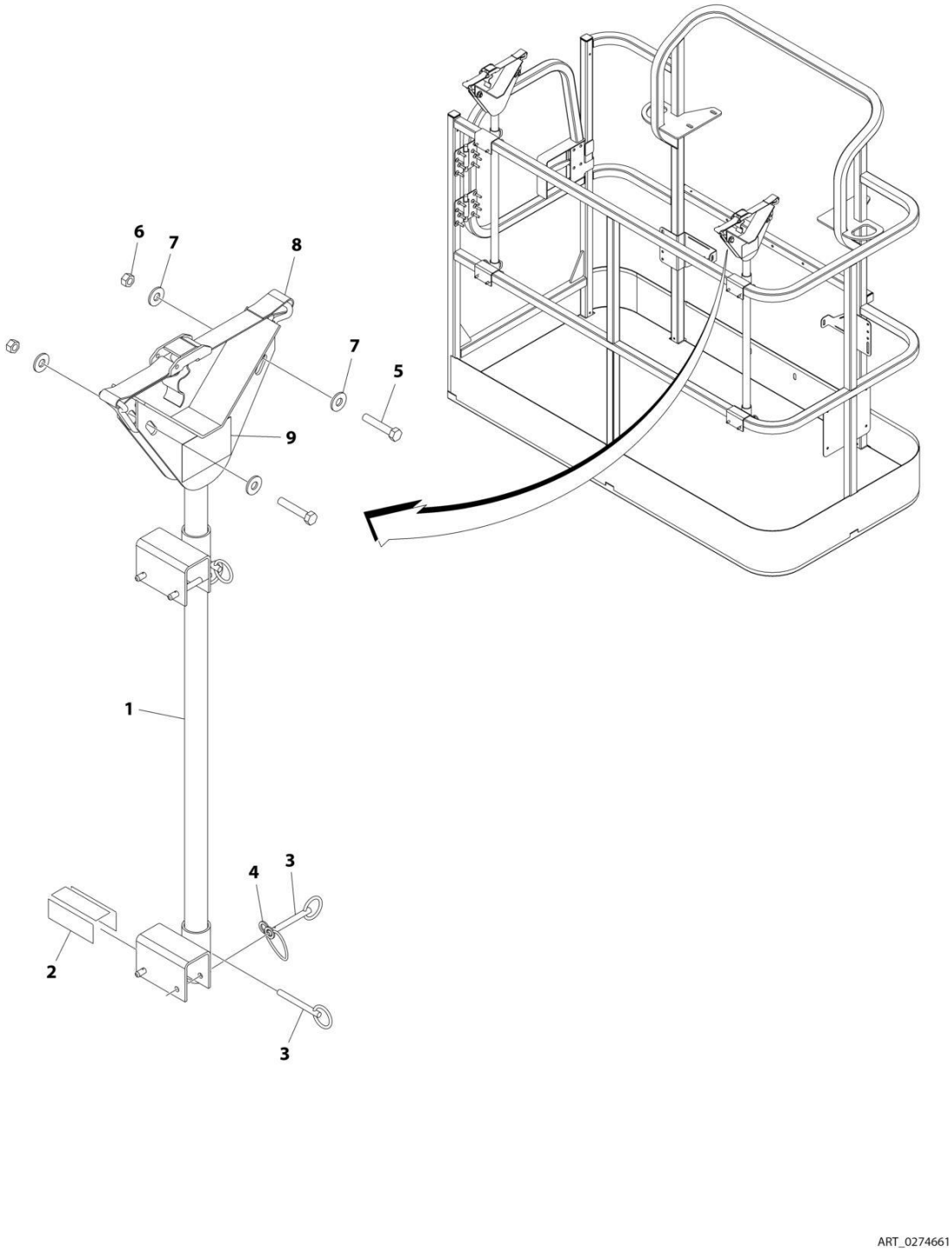


FIGURE 5-29. PIPE RACK INSTALLATION (AUSTRALIAN SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274661	Ref	PIPE RACK INSTALLATION (AUSTRALIAN 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	

SECTION 6 - CYLINDER

SECTION 6 - CYLINDER

FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

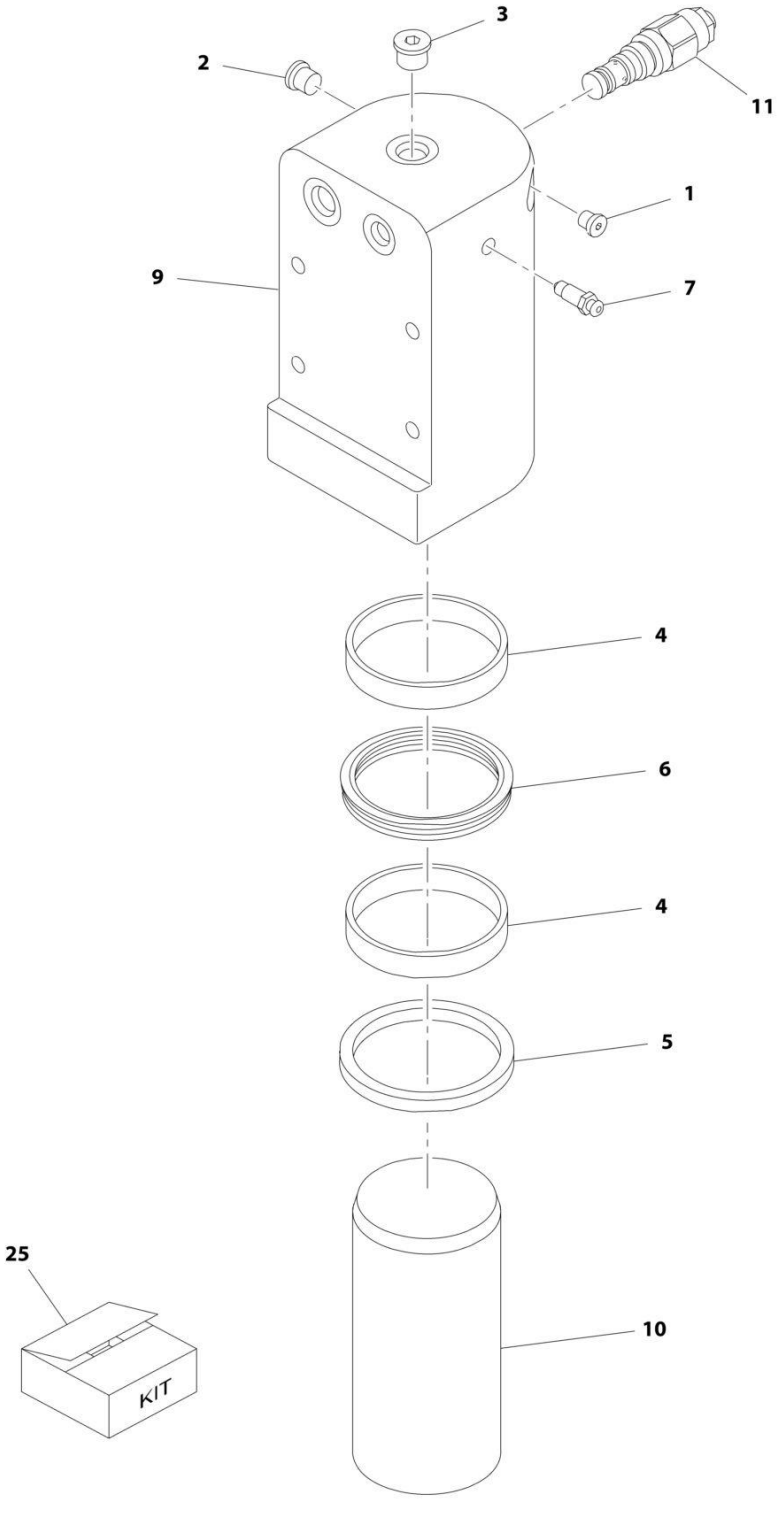


FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001116361	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	G
1	2220881	1	Plug, O-Ring	
2	2220883	1	Plug, O-Ring	
3	2220885	1	Plug, O-Ring	
4	See Note	NSS	Ring, Wear (Note: Use Item 25)	
5	See Note	NSS	Wiper (Note: Use Item 25)	
6	See Note	NSS	Seal, Rod (Note: Use Item 25)	
7	4640858	1	Bleeder	
9	1001117365	1	Barrel	
10	1001117366	1	Rod	
11	1001117372	1	Cartridge, Valve	
11	70002842	1	Seal Kit - 1001117372 Valve	
25	1001116378	1	Seal Kit (Includes Items 4-6)	

FIGURE 6-2. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY (SN 0300200802 through 0300238046)

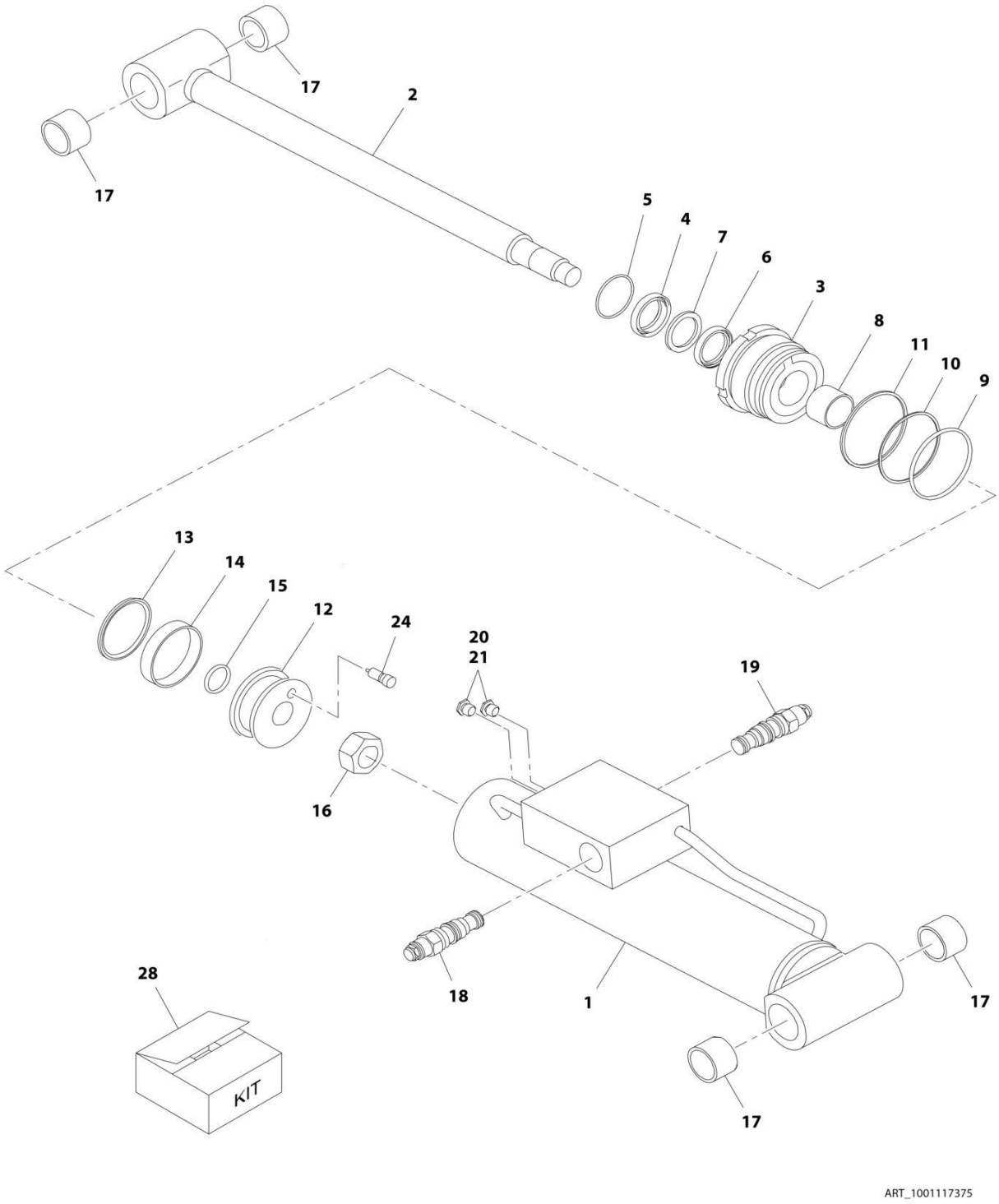


FIGURE 6-2. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY (SN 0300200802 through 0300238046)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117375	Ref	LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY	E
1	70003131	1	Barrel	
2	70003132	1	Rod	
3	70003085	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 28)	
5	70002366	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 28)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
8	70002352	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 28)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
11	See Note	NSS	O-Ring (Note: Use Item 28)	
12	70003133	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 28)	
14	See Note	NSS	Ring, Wear (Note: Use Item 28)	
15	See Note	NSS	O-Ring (Note: Use Item 28)	
16	70002335	1	Nut	
17	0961951	4	Bushing, Garmax (was p/n 70003087)	
18	70002413	1	Cartridge, Valve	
18	2900770	1	Seal Kit - 70002413 Valve	
19	70002388	1	Cartridge, Valve	
19	2900770	1	Seal Kit - 70002388 Valve	
20	70023370	2	Plug	
21	See Note	2	O-Ring (Note: Not Available - Purchase Locally)	
24	70002357	1	Valve, Phase	
28	70003134	1	Seal Kit (Includes Items 4, 6, 7, 9, 10, 11, 13, 14 & 15)	
100		Ref	REPAIR TOOLS (NOT SHOWN)	
100	70003089	1	Press, Wiper	
100	70003090	1	Press, Bushing (Use with Rod Bearing)	
100	70003091	1	Tool, Bushing Removal (Use with Rod Bearing)	
100	70003092	1	Tool, Head Seal Protection	
100	70003081	1	Tool, Piston Seal Protection	
100	70003093	1	Press, Bushing (Use with Pin Mounting Bushings)	
100	70003094	1	Tool, Bushing Removal (Use with Pin Mounting Bushings)	

FIGURE 6-3. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY (SN 0300238046 through 0300272222)

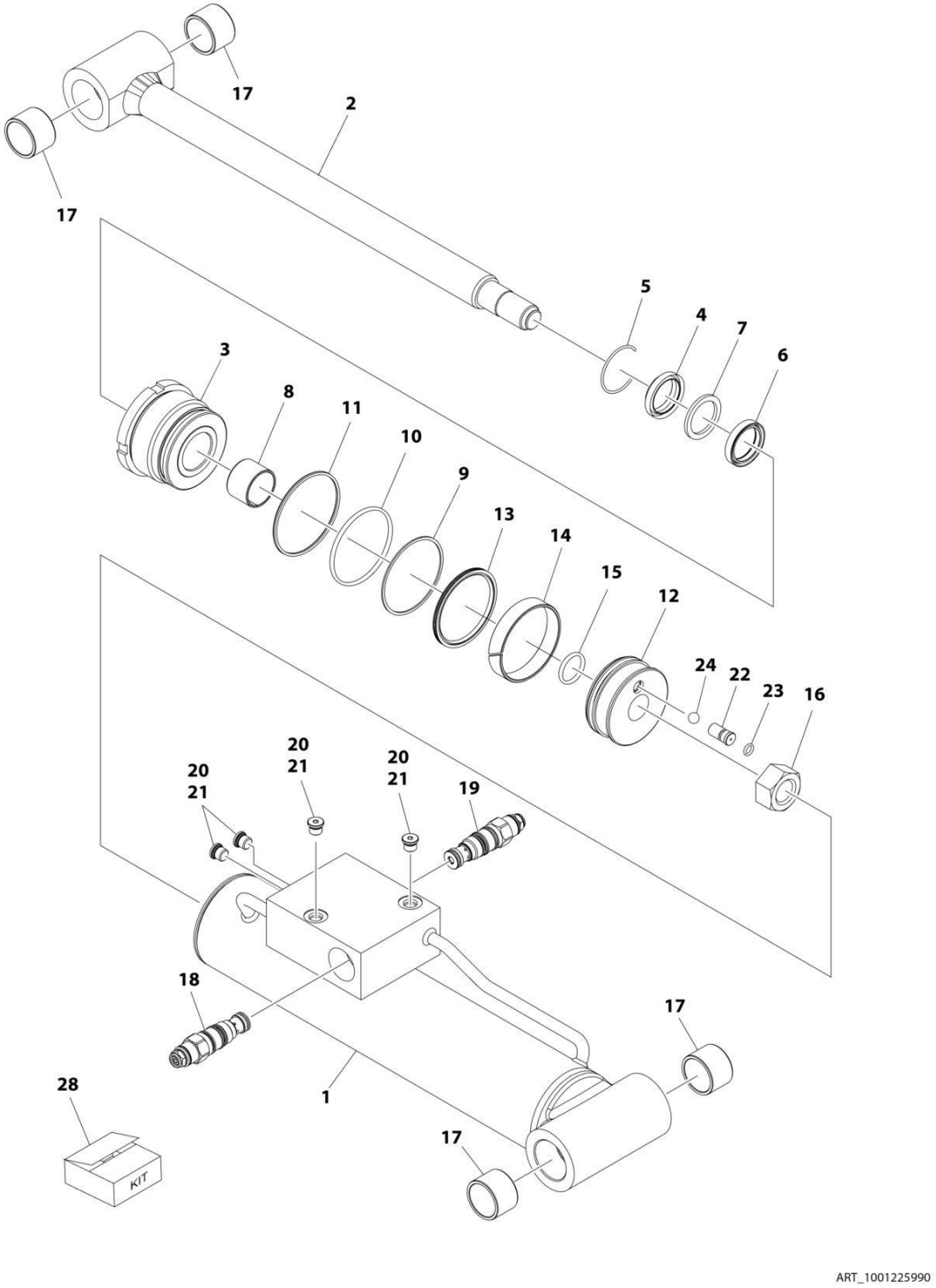


FIGURE 6-3. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY (SN 0300238046 through 0300272222)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225990	Ref	LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY	A
1	70003131	1	Barrel	
2	70003132	1	Rod	
3	70003085	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 28)	
5	70002366	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 28)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
8	70005695	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 28)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
11	See Note	NSS	O-Ring (Note: Use Item 28)	
12	70003133	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 28)	
14	See Note	NSS	Ring, Wear (Note: Use Item 28)	
15	See Note	NSS	Ring, Wear (Note: Use Item 28)	
16	70002335	1	Nut	
17	0961951	4	Bushing, Garmax	
18	70002413	1	Cartridge, Valve	
18	2900770	1	Seal Kit - 70002413 Valve	
19	1001168210	1	Cartridge, Valve	
19	2900770	1	Seal Kit - 1001168210 Valve	
20	2220883	4	Plug	
21	See Note	NSS	O-Ring (Note: Not Available - Purchase Locally)	
22	70005973	1	Valve Seat	
23	70005974	1	O-Ring	
24	70006353	1	Steel Ball	
28	70003134	1	Seal Kit (Includes Items 4, 6, 7, 9, 10, 11, 13, 14 & 15)	
100		Ref	REPAIR TOOLS (NOT SHOWN)	
100	70003089	1	Press, Wiper	
100	70003090	1	Press, Bushing (Use with Rod Bearing)	
100	70003091	1	Tool, Bushing Removal (Use with Rod Bearing)	
100	70003092	1	Tool, Head Seal Protection	
100	70003081	1	Tool, Piston Seal Protection	
100	70003093	1	Press, Bushing (Use with Pin Mounting Bushings)	
100	70003094	1	Tool, Bushing Removal (Use with Pin Mounting Bushings)	

FIGURE 6-4. LIFT (JIB) CYLINDER ASSEMBLY

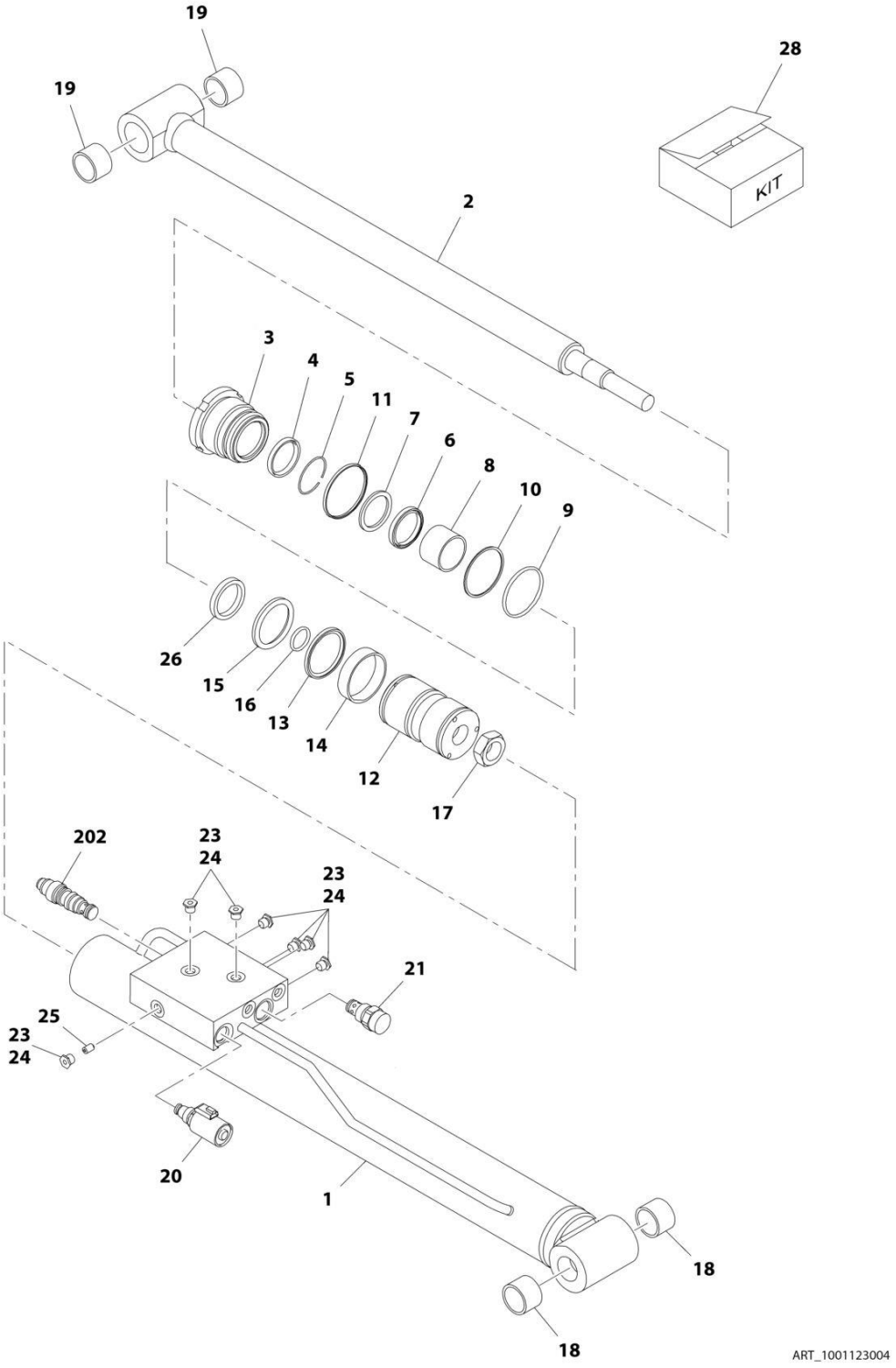


FIGURE 6-4. LIFT (JIB) CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001123004	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	70003122	1	Barrel	
2	70002375	1	Rod	
3	70003123	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 28)	
5	70002373	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 28)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
8	70002372	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 28)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
11	See Note	NSS	O-Ring (Note: Use Item 28)	
12	70003124	1	Piston	
13	70003125	1	Seal, Piston	
14	See Note	NSS	Ring, Wear (Note: Use Item 28)	
15	See Note	NSS	O-Ring (Note: Use Item 28)	
16	See Note	NSS	Ring, Piston (Note: Use Item 28)	
17	70002335	1	Nut	
18	70003118	2	Bushing	
19	0961951	2	Bushing, Garmax (was p/n 70003087)	
20	7024884	1	Cartridge, Solenoid Valve	
20	7012967	1	Seal Kit - 7024884 Valve	
20	70002386	1	Coil	
21	70003076	1	Cartridge, Check Valve	
21	7017496	1	Seal Kit - 70003076 Valve	
23	70023370	7	Plug	
24	See Note	7	O-Ring (Note: Not Available - Purchase Locally)	
25	70002334	1	Orifice	
26	70003453	1	Spacer	
28	70003125	1	Seal Kit (Includes Items 4, 6, 7, 9, 10, 11, 13, 14, 15 & 16)	
100		Ref	REPAIR TOOLS (NOT SHOWN)	
100	70003126	1	Press, Wiper	
100	70003127	1	Press, Bushing (Use with Rod Bearing)	
100	70003128	1	Tool, Bushing Removal (Use with Rod Bearing)	
100	70003129	1	Tool, Head Seal Protection	
100	70003130	1	Tool, Piston Seal Protection	
100	70003093	1	Press, Bushing (Use with Pin Mounting Bushings)	
100	70003094	1	Tool, Bushing Removal (Use with Pin Mounting Bushings)	
	1001199460	Ref	JIB LIFT CYLINDER ASSEMBLY	A
202	1001199306	1	Cartridge, Counter Balance Valve	
202	2900770	1	Seal Kit - 1001199306 Valve	

FIGURE 6-5. LIFT (MAIN BOOM) CYLINDER ASSEMBLY

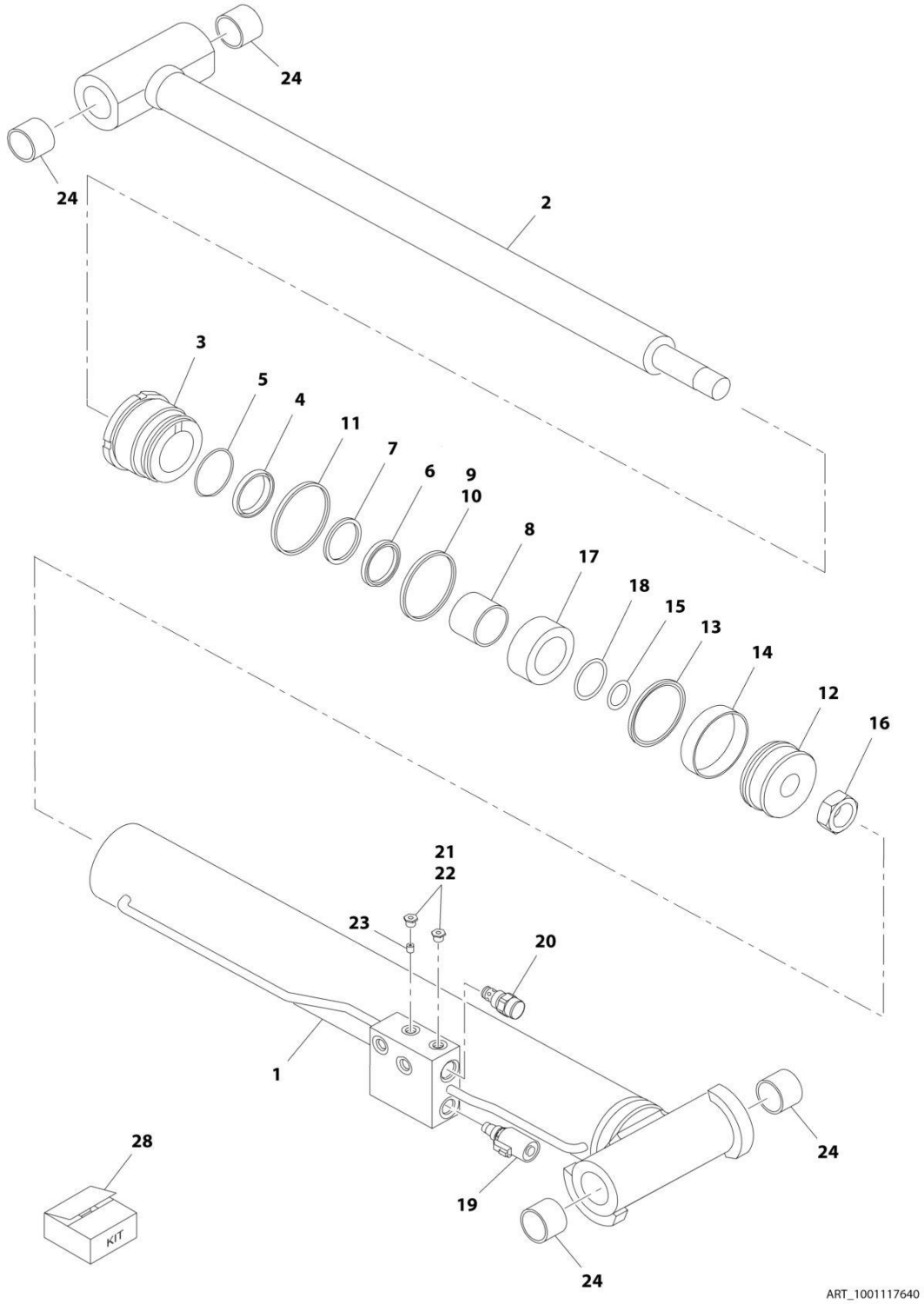


FIGURE 6-5. LIFT (MAIN BOOM) CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117640	Ref	MAIN BOOM LIFT CYLINDER ASSEMBLY	H
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70003103	1	Barrel	
2	70003104	1	Rod	
3	70003105	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 28)	
5	70002412	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 28)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
8	70022565	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 28)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
11	See Note	NSS	O-Ring (Note: Use Item 28)	
12	70003106	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 28)	
14	See Note	NSS	Ring, Wear (Note: Use Item 28)	
15	See Note	NSS	O-Ring (Note: Use Item 28)	
16	70002335	1	Nut	
17	70002344	1	Spacer	
18	See Note	NSS	O-Ring (Note: Use Item 28)	
19	7024884	1	Cartridge, Solenoid Valve	
19	7012967	1	Seal Kit - 7024884 Valve	
19	70002386	1	Coil	
20	70003076	1	Cartridge, Check Valve	
20	7017496	1	Seal Kit - 70003076 Valve	
21	70023370	7	Plug	
22	See Note	7	O-Ring (Note: Not Available - Purchase Locally)	
23	70002334	1	Orifice	
24	0961948	2	Bushing, Garmax (was p/n 70003107)	
28	70003108	1	Seal Kit (Includes Items 4, 6, 7, 9, 10, 11, 13, 14, 15 & 18)	
100		Ref	REPAIR TOOLS (NOT SHOWN)	
100	70003109	1	Press, Wiper	
100	70003110	1	Press, Bushing (Use with Rod Bearing)	
100	70003111	1	Tool, Bushing Removal (Use with Rod Bearing)	
100	70003112	1	Tool, Head Seal Protection	
100	70003113	1	Tool, Piston Seal Protection	
100	70003082	1	Press, Bushing (Use with Pin Mounting Bushings)	
100	70003083	1	Tool, Bushing Removal (Use with Pin Mounting Bushings)	

FIGURE 6-6. LIFT (TOWER BOOM) CYLINDER ASSEMBLY

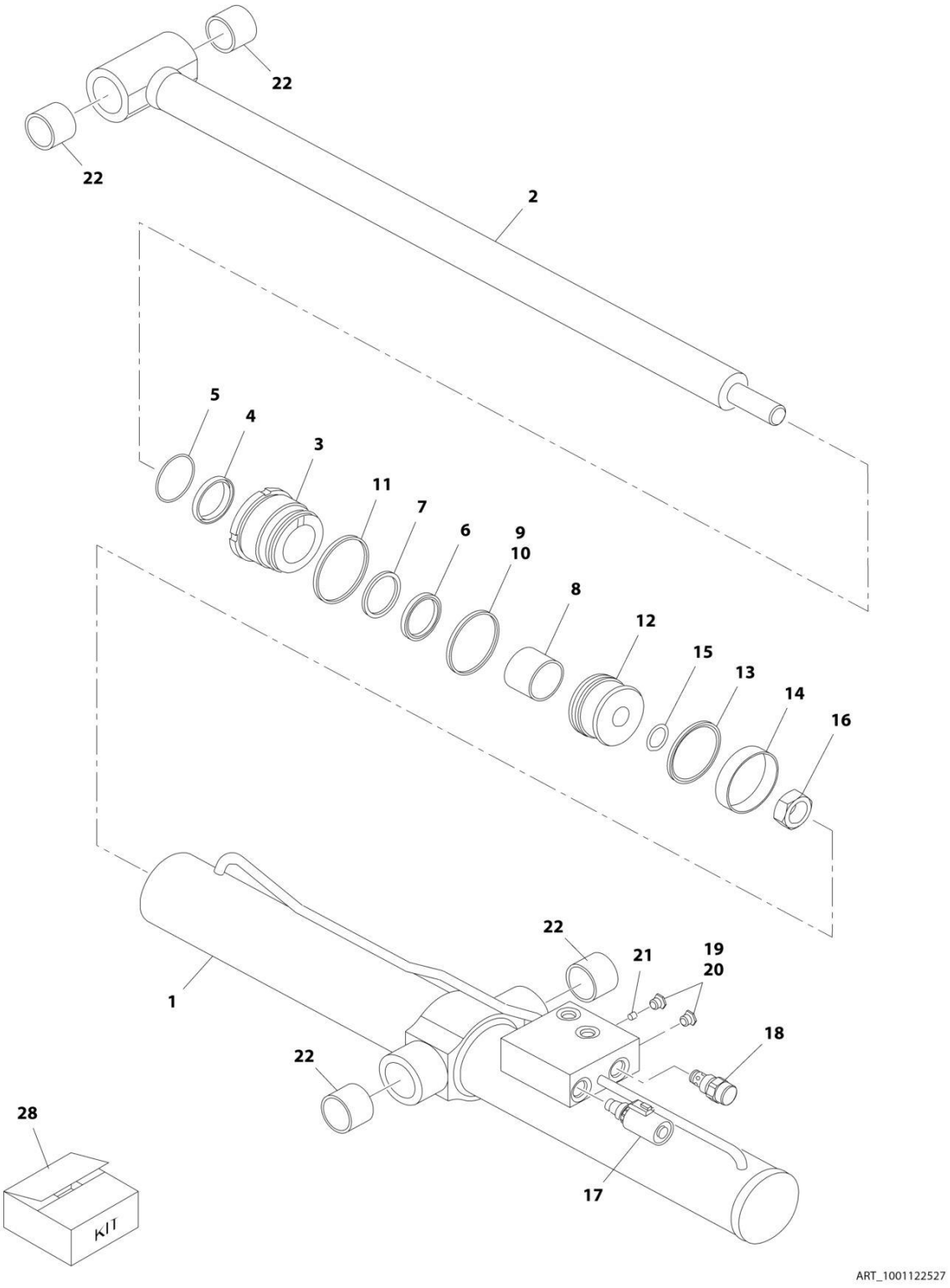


FIGURE 6-6. LIFT (TOWER BOOM) CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001122527	Ref	LIFT (TOWER BOOM) CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70003071	1	Barrel	
2	70003072	1	Rod	
3	70003073	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 28)	
5	70002410	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 28)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
8	70002337	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 28)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
11	See Note	NSS	O-Ring (Note: Use Item 28)	
12	70003074	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 28)	
14	See Note	NSS	Ring, Wear (Note: Use Item 28)	
15	See Note	NSS	O-Ring (Note: Use Item 28)	
16	70002335	1	Nut	
17	7024884	1	Cartridge, Solenoid Valve	
17	7012967	1	Seal Kit - 7024884 Valve	
17	70002386	1	Coil	
18	70003076	1	Cartridge, Check Valve	
18	7017496	1	Seal Kit - 70003076 Valve	
19	70023370	2	Plug	
20	See Note	2	O-Ring (Note: Not Available - Purchase Locally)	
21	70002334	1	Orifice	
22	0961948	4	Bushing, Garmax (was p/n 70003107)	
28	70003075	1	Seal Kit (Includes Items 4, 6, 7, 9, 10, 11, 13, 14 & 15)	
100		Ref	REPAIR TOOLS (NOT SHOWN)	
100	70003077	1	Press, Wiper	
100	70003078	1	Press, Bushing (Use with Rod Bearing)	
100	70003079	1	Tool, Bushing Removal (Use with Rod Bearing)	
100	70003080	1	Tool, Head Seal Protection	
100	70003081	1	Tool, Piston Seal Protection	
100	70003082	1	Press, Bushing (Use with Pin Mounting Bushings)	
100	70003083	1	Tool, Bushing Removal (Use with Pin Mounting Bushings)	

FIGURE 6-7. MASTER CYLINDER ASSEMBLY

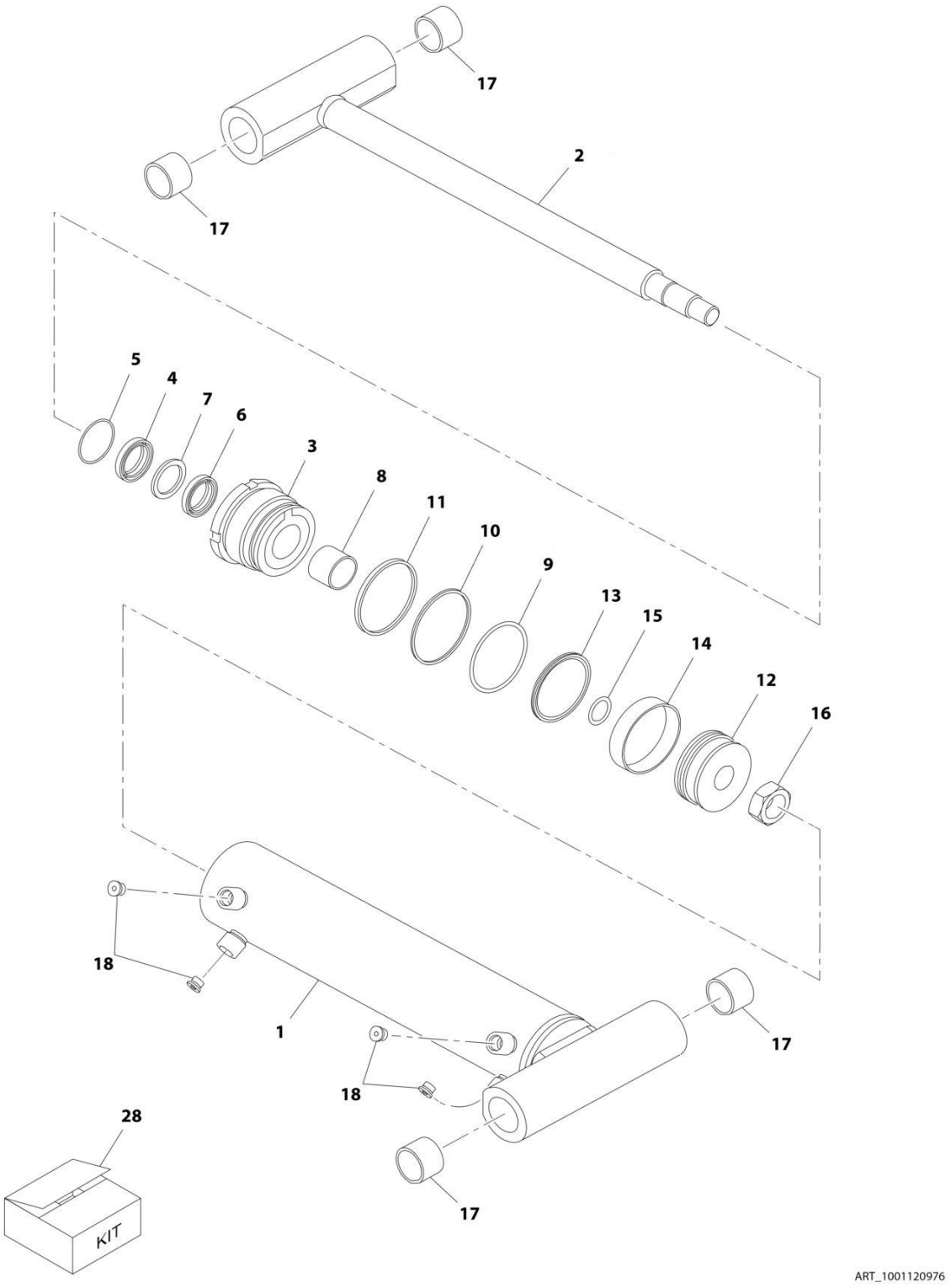


FIGURE 6-7. MASTER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120976	Ref	MASTER CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70003084	1	Barrel	
2	70002354	1	Rod	
3	70003085	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 28)	
5	70002366	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 28)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
8	70002352	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 28)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
11	See Note	NSS	O-Ring (Note: Use Item 28)	
12	70003086	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 28)	
14	See Note	NSS	Ring, Wear (Note: Use Item 28)	
15	See Note	NSS	O-Ring (Note: Use Item 28)	
16	70002335	1	Nut	
17	0961951	4	Bushing, Garmax (was p/n 70003087)	
18	70023371	4	Plug	
28	70003088	1	Seal Kit (Includes Items 4, 6, 7, 9, 10, 11, 13, 14 & 15)	
100		Ref	REPAIR TOOLS (NOT SHOWN)	
100	70003089	1	Press, Wiper	
100	70003090	1	Press, Bushing (Use with Rod Bearing)	
100	70003091	1	Tool, Bushing Removal (Use with Rod Bearing)	
100	70003092	1	Tool, Head Seal Protection	
100	70003081	1	Tool, Piston Seal Protection	
100	70003093	1	Press, Bushing (Use with Pin Mounting Bushings)	
100	70003094	1	Tool, Bushing Removal (Use with Pin Mounting Bushings)	

FIGURE 6-8. STEER CYLINDER ASSEMBLY

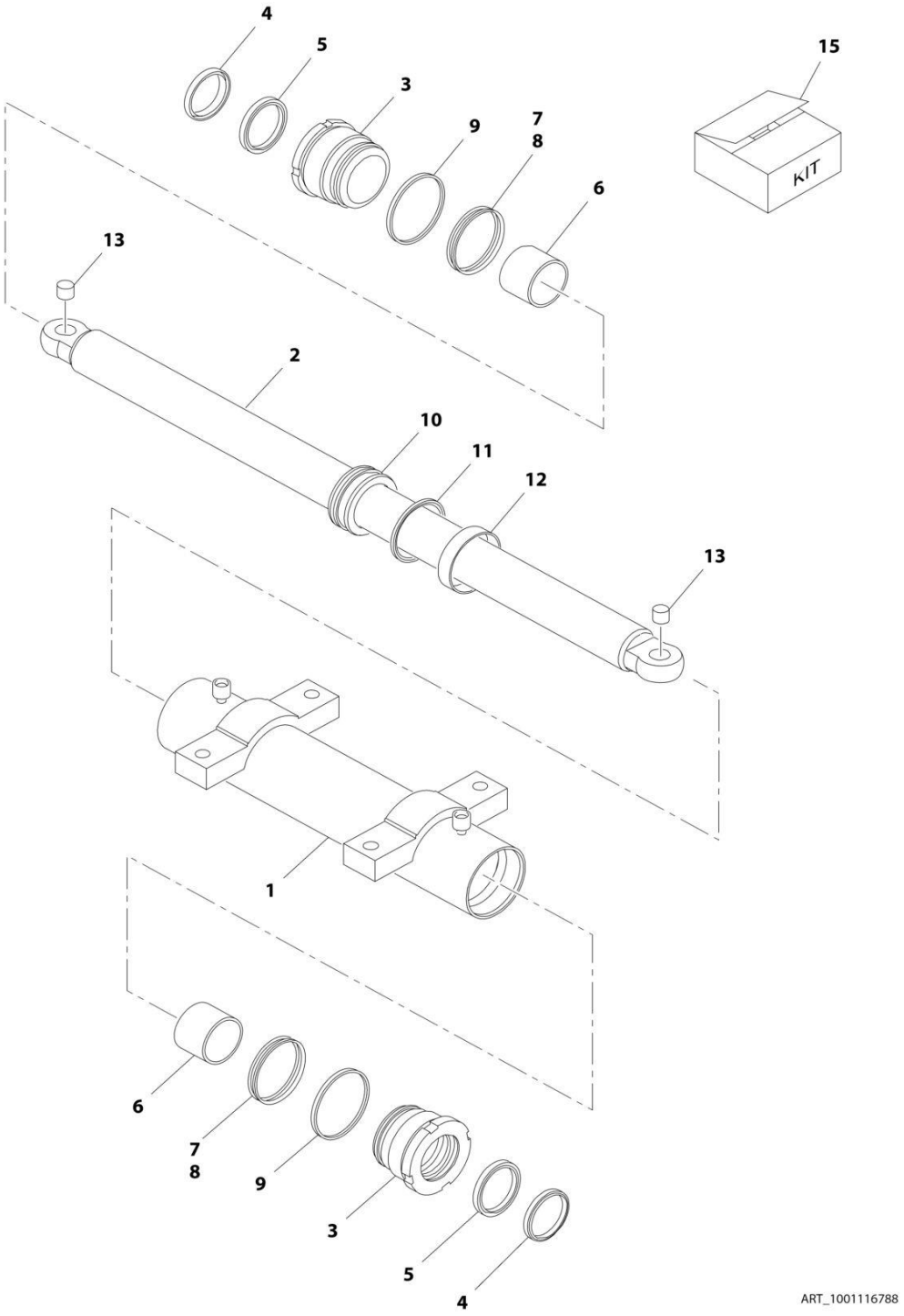


FIGURE 6-8. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001116788	Ref	STEER CYLINDER ASSEMBLY	C
1	70003095	1	Barrel	
2	70003096	1	Rod	
3	70003098	2	Head	
4	See Note	NSS	Wiper (Note: Use Item 15)	
5	See Note	NSS	Seal, Rod (Note: Use Item 15)	
6	70002337	2	Bearing	
7	See Note	NSS	O-Ring (Note: Use Item 15)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 15)	
9	See Note	NSS	O-Ring (Note: Use Item 15)	
10	70003097	1	Piston	
11	See Note	NSS	Seal, Piston (Note: Use Item 15)	
12	See Note	NSS	Ring, Wear (Note: Use Item 15)	
13	70002380	4	Bushing, Garmax	
15	70003099	1	Seal Kit (Includes Items 4, 5, 7, 8, 9, 11 & 12)	
100		Ref	REPAIR TOOLS (NOT SHOWN)	
100	70003077	1	Press, Wiper	
100	70003078	1	Press, Bushing (Use with Rod Bearing)	
100	70003079	1	Tool, Bushing Removal (Use with Rod Bearing)	
100	70003080	1	Tool, Head Seal Protection	
100	70003100	1	Tool, Piston Seal Protection	
100	70003101	1	Press, Bushing (Use with Pin Mounting Bushings)	
100	70003102	1	Tool, Bushing Removal (Use with Pin Mounting Bushings)	

FIGURE 6-9. TELESCOPE CYLINDER ASSEMBLY

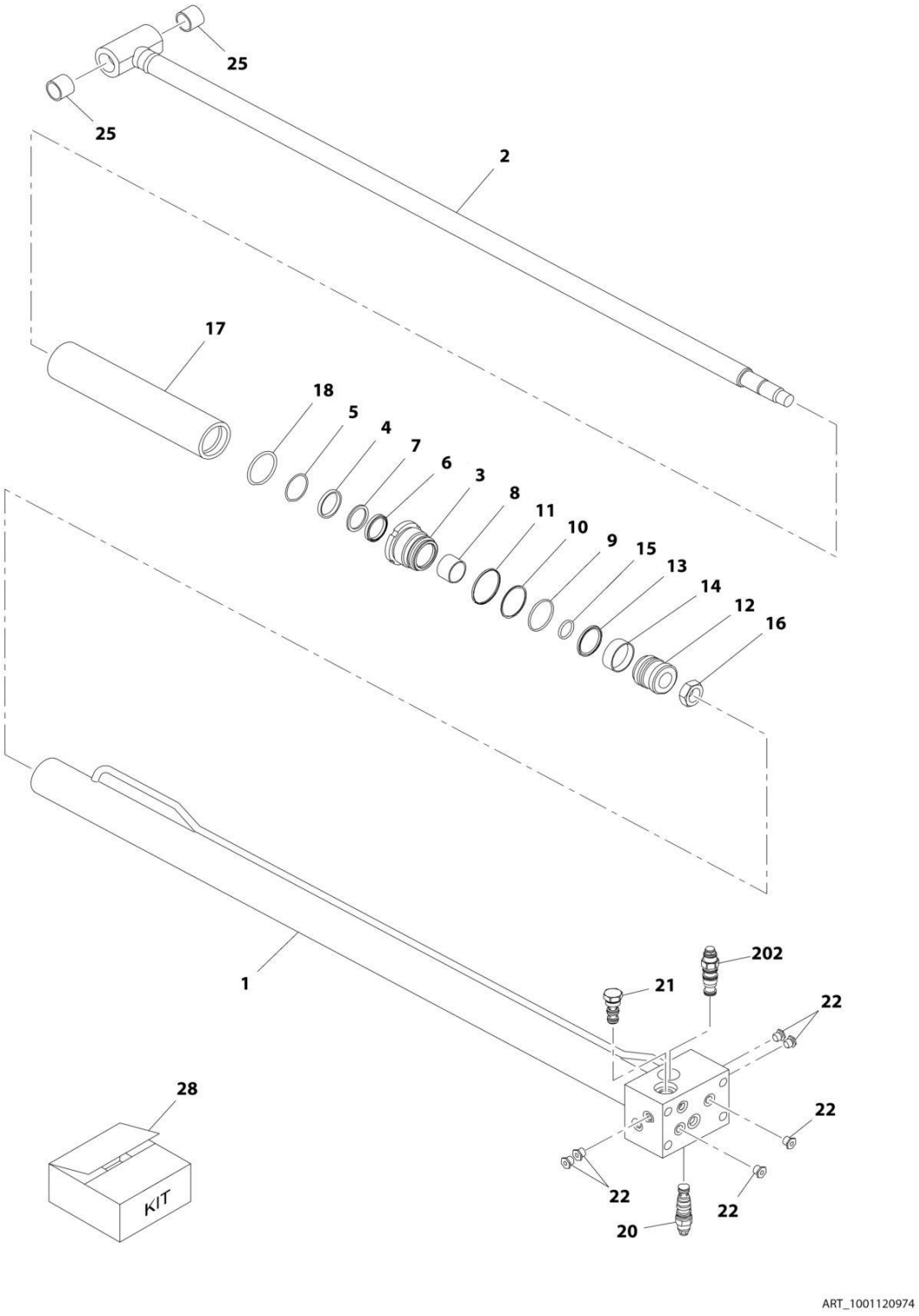
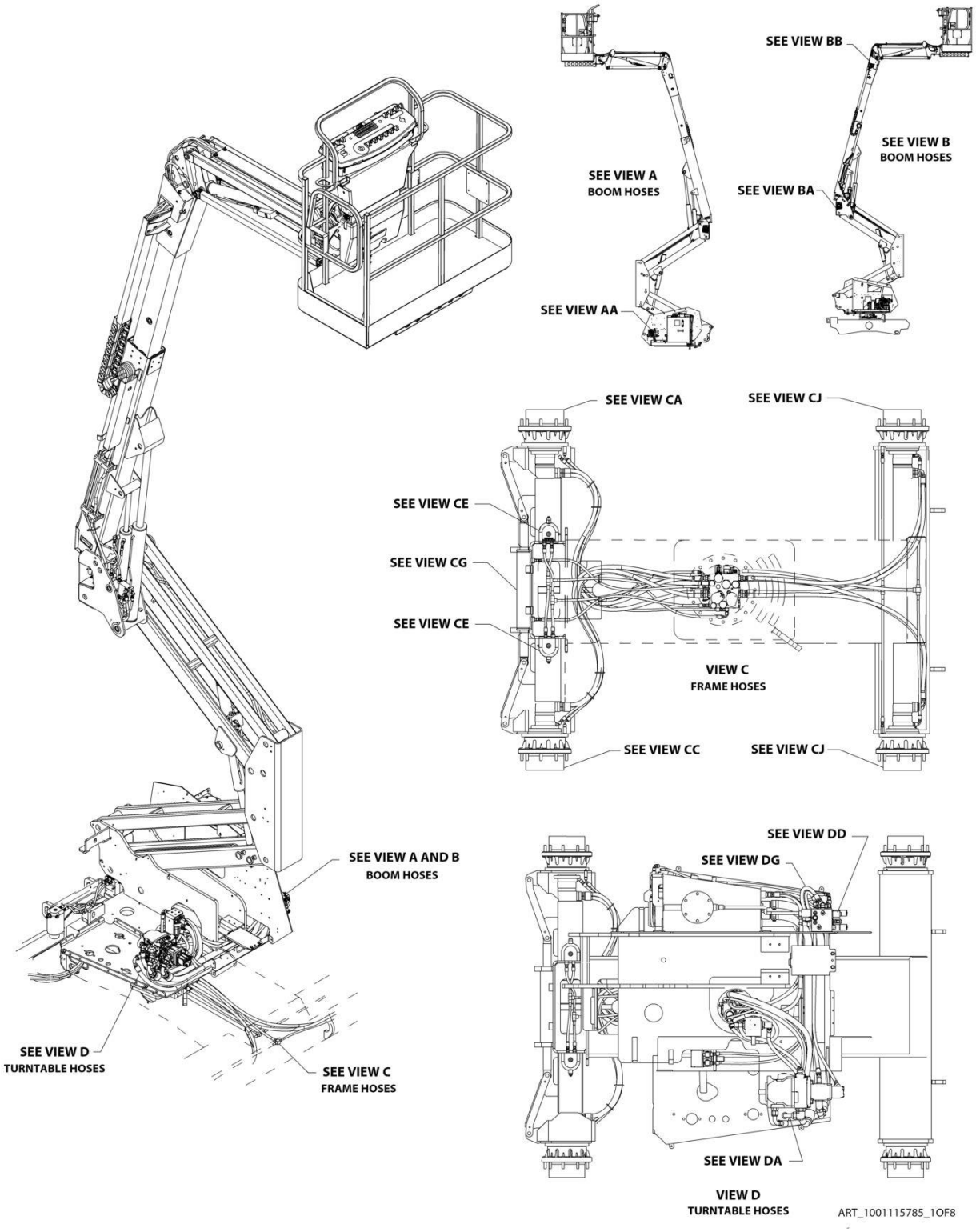


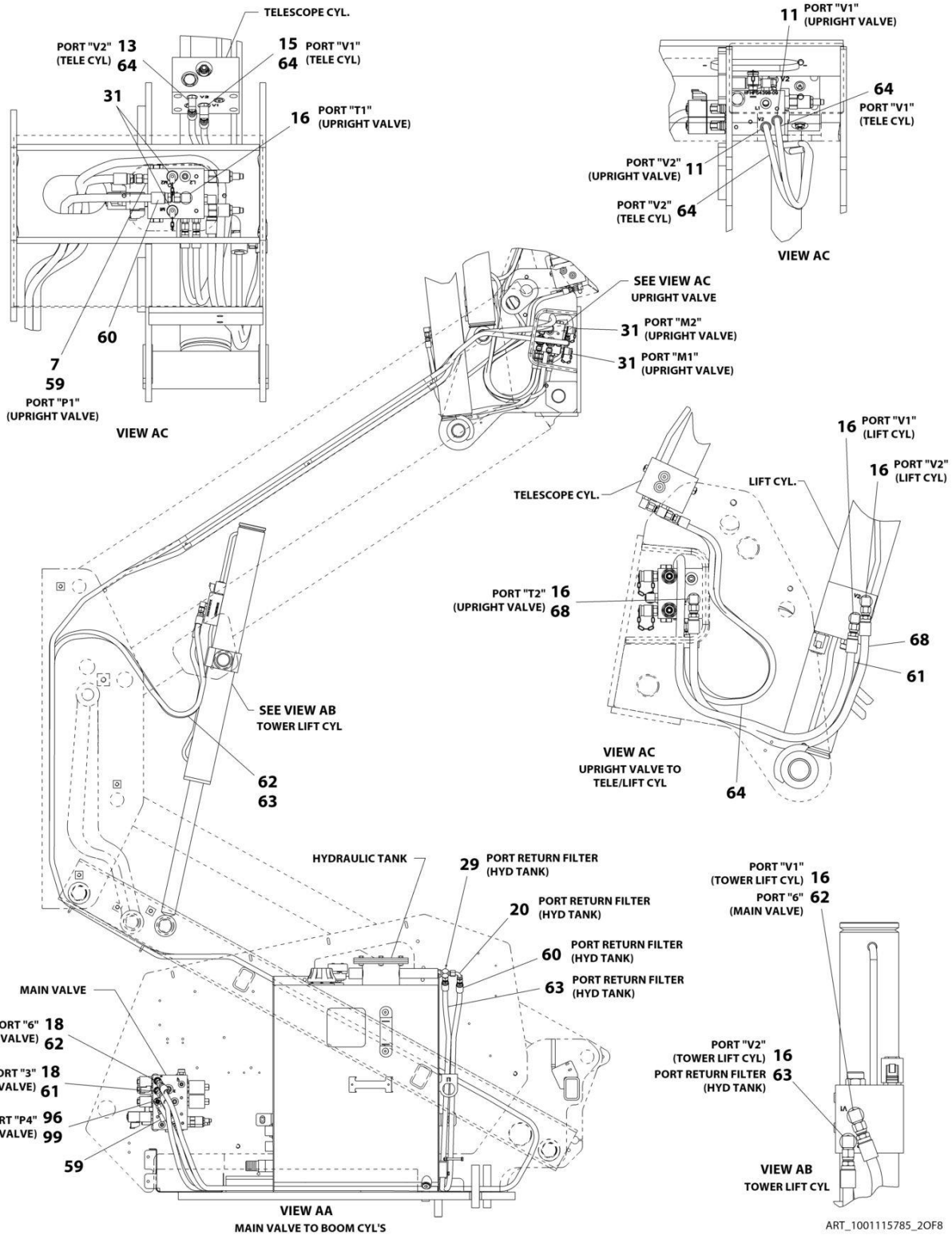
FIGURE 6-9. TELESCOPE CYLINDER ASSEMBLY

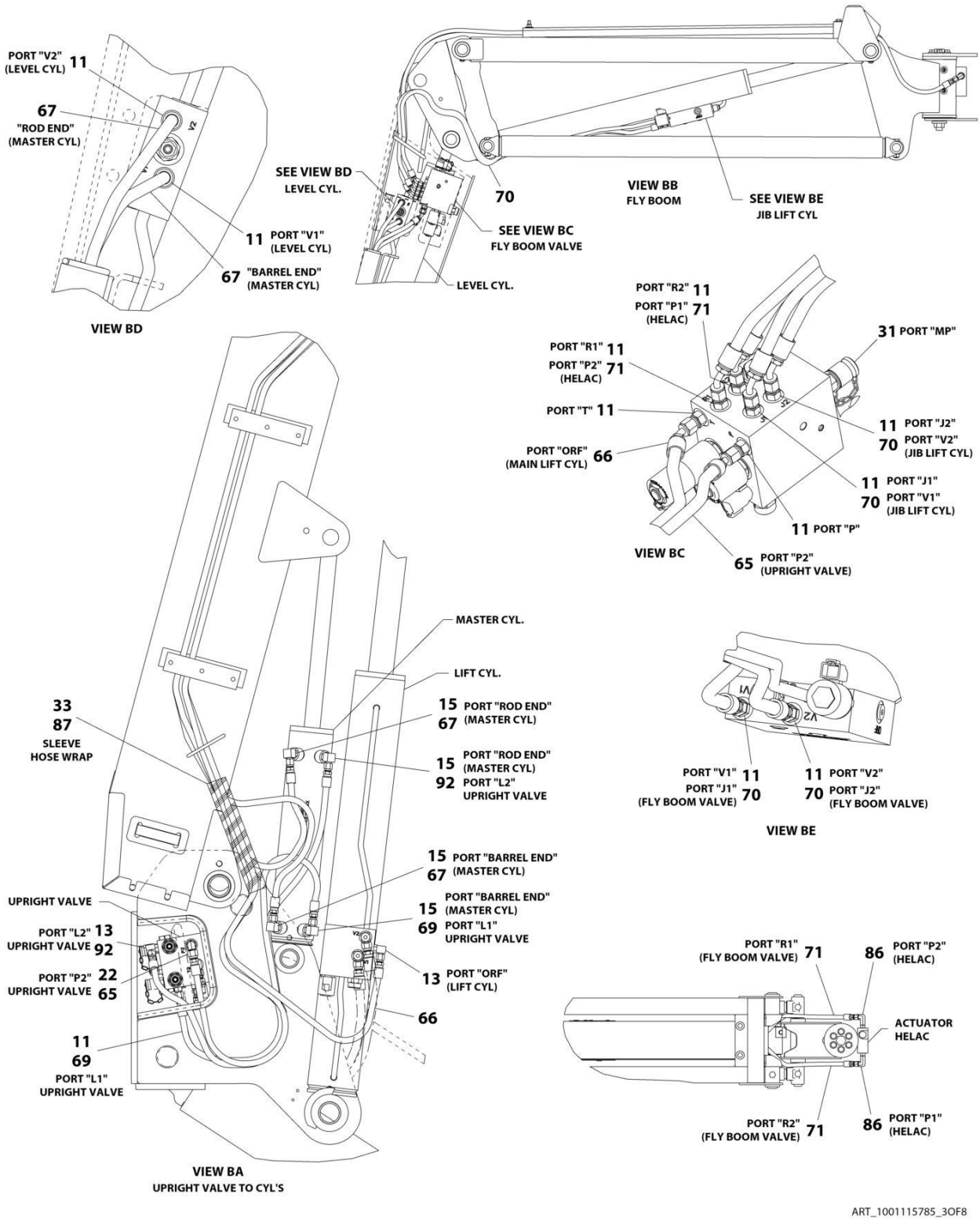
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120974	Ref	TELESCOPE CYLINDER ASSEMBLY	C
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70003114	1	Barrel	
2	70003115	1	Rod	
3	70003116	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 28)	
5	70002366	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 28)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
8	70002352	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 28)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 28)	
11	See Note	NSS	O-Ring (Note: Use Item 28)	
12	70003117	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 28)	
14	See Note	NSS	Ring, Wear (Note: Use Item 28)	
15	See Note	NSS	O-Ring (Note: Use Item 28)	
16	70002335	1	Nut	
17	70002364	1	Spacer	
18	See Note	NSS	O-Ring (Note: Use Item 28)	
20	70002389	1	Cartridge, Counterbalance Valve	
20	2900770	1	Seal Kit - 70002389 Valve	
21	10837580	1	Cartridge, Load Shuttle Valve	
21	7010543	1	Seal Kit - 10837580 Valve	
22	70023370	6	Plug	
25	70003118	2	Bushing	
28	70003119	1	Seal Kit (Includes Items 4, 6, 7, 9, 10, 11, 13, 14, 15 & 18)	
100		Ref	REPAIR TOOLS (NOT SHOWN)	
100	70003089	1	Press, Wiper	
100	70003090	1	Press, Bushing (Use with Rod Bearing)	
100	70003091	1	Tool, Bushing Removal (Use with Rod Bearing)	
100	70003092	1	Tool, Head Seal Protection	
100	70003120	1	Press, Bushing (Use with Pin Mounting Bushings)	
100	70003121	1	Tool, Bushing Removal (Use with Pin Mounting Bushings)	
	1001199461	Ref	TELESCOPE CYLINDER ASSEMBLY	A
202	1001199306	1	Cartridge, Counter Balance Valve	
202	2900770	1	Seal Kit - 1001199306 Valve	

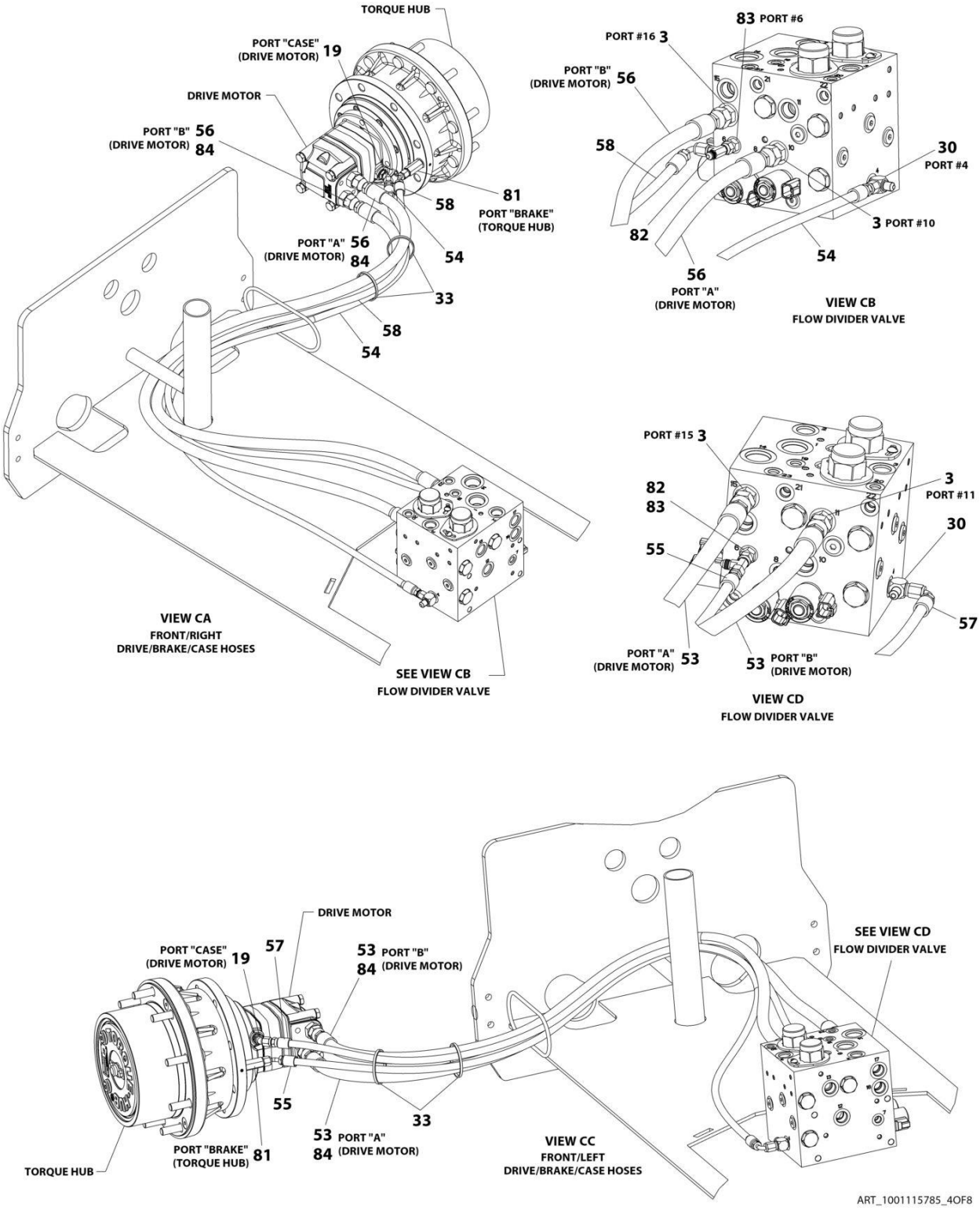
SECTION 7 - HYDRAULIC

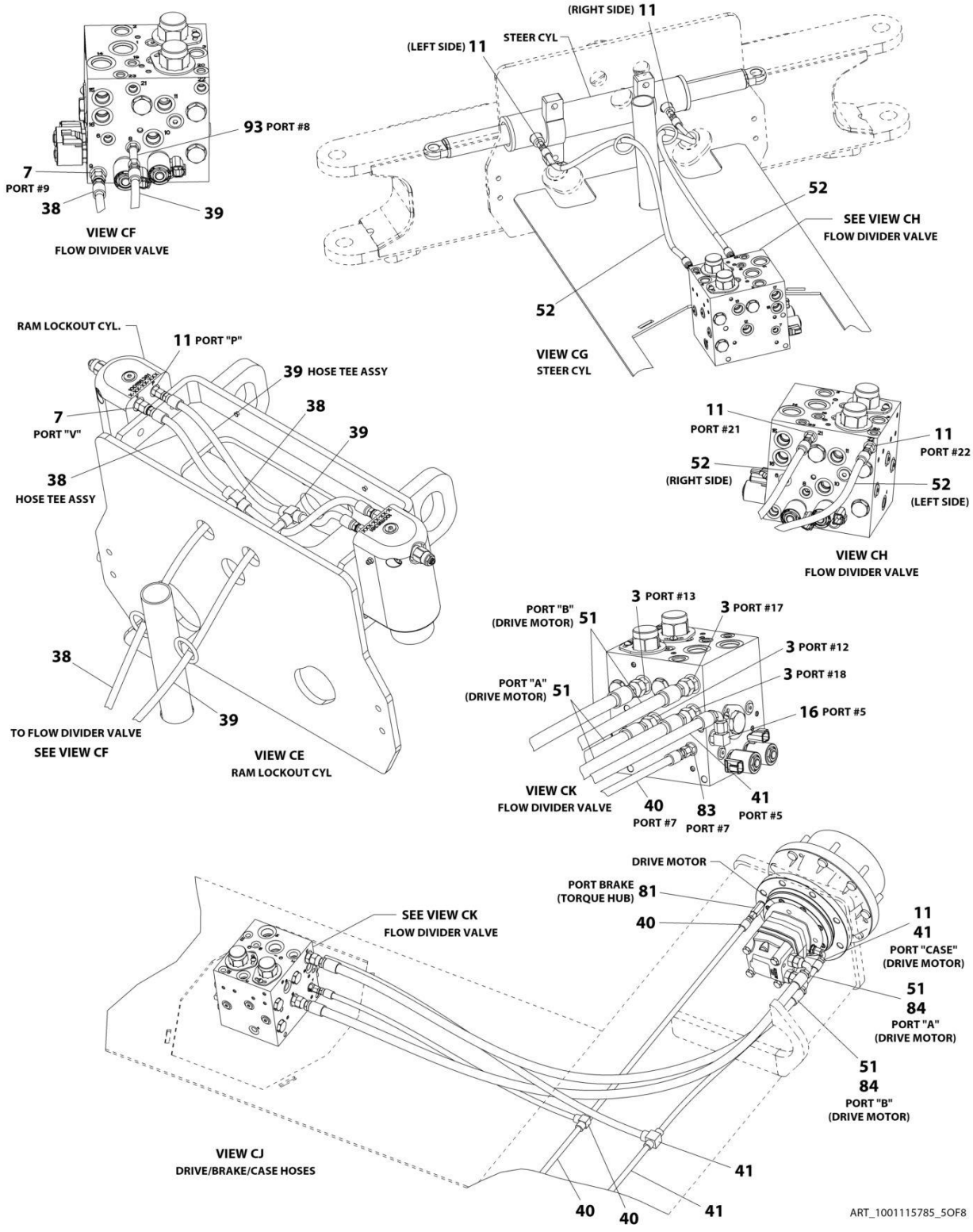
FIGURE 7-1. HYDRAULIC INSTALLATION - WITHOUT ARCTIC PACKAGE

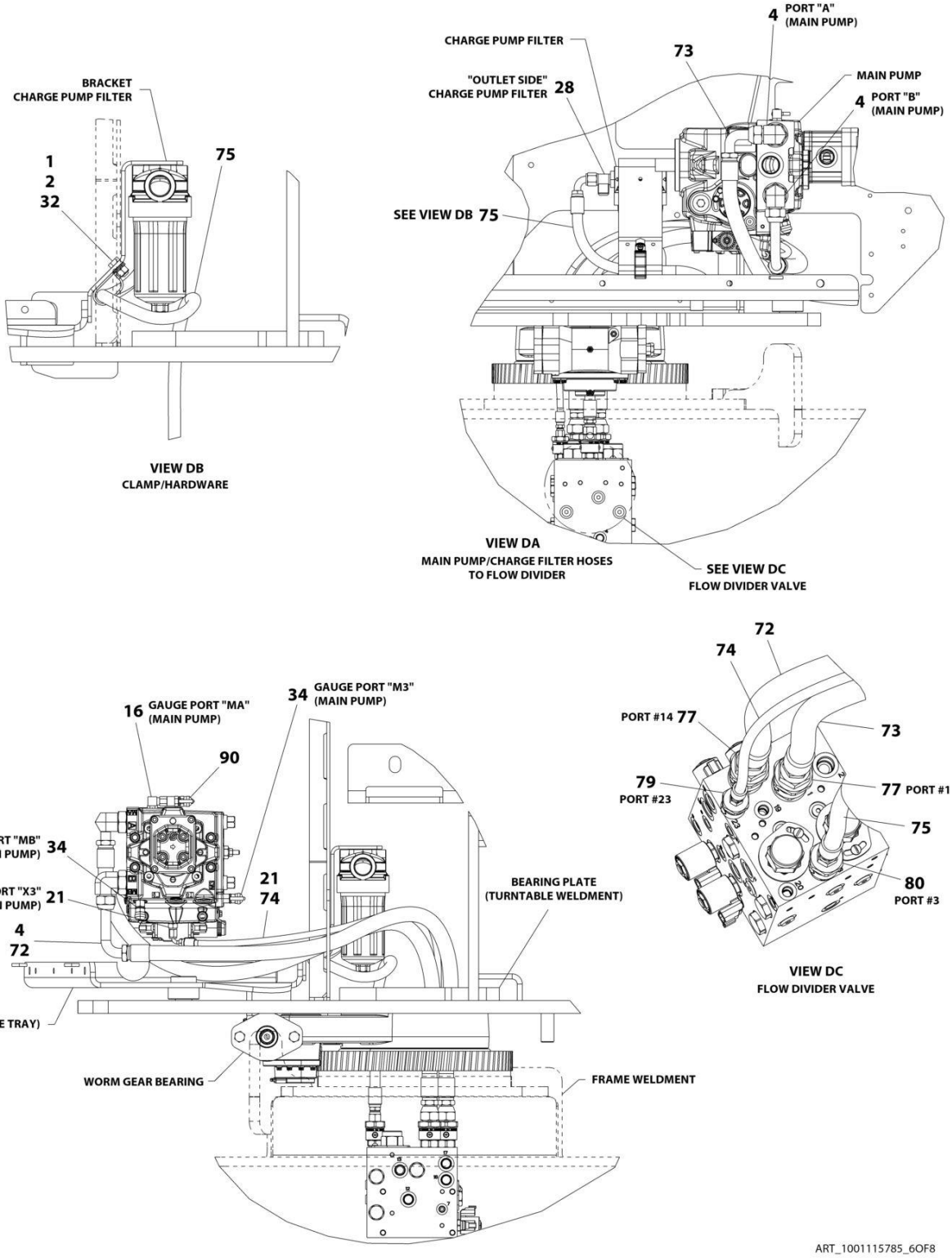



TELESCOPE CYL.
PORT "V2" (TELE CYL) 13 64
15 PORT "V1" (TELE CYL) 64
31
16 PORT "T1" (UPRIGHT VALVE)
60
7
59
PORT "P1" (UPRIGHT VALVE)
VIEW AC
11 PORT "V1" (UPRIGHT VALVE)
64 PORT "V1" (TELE CYL)
PORT "V2" (UPRIGHT VALVE) 11
PORT "V2" (TELE CYL) 64
VIEW AC
SEE VIEW AC UPRIGHT VALVE
31 PORT "M2" (UPRIGHT VALVE)
31 PORT "M1" (UPRIGHT VALVE)
16 PORT "V1" (LIFT CYL)
16 PORT "V2" (LIFT CYL)
TELESCOPE CYL.
LIFT CYL.
PORT "T2" (UPRIGHT VALVE) 16 68
68
61
64
VIEW AC
UPRIGHT VALVE TO TELE/LIFT CYL
SEE VIEW AB TOWER LIFT CYL
62
63
HYDRAULIC TANK
29 PORT RETURN FILTER (HYD TANK)
20 PORT RETURN FILTER (HYD TANK)
60 PORT RETURN FILTER (HYD TANK)
63 PORT RETURN FILTER (HYD TANK)
MAIN VALVE
PORT "6" (MAIN VALVE) 18 62
PORT "3" (MAIN VALVE) 18 61
PORT "P4" (MAIN VALVE) 96 99
59
VIEW AA
MAIN VALVE TO BOOM CYL'S
PORT "V1" (TOWER LIFT CYL) 16
PORT "6" (MAIN VALVE) 62
PORT "V2" (TOWER LIFT CYL) 16
PORT RETURN FILTER (HYD TANK) 63
VIEW AB
TOWER LIFT CYL
ART_1001115785_2OF8

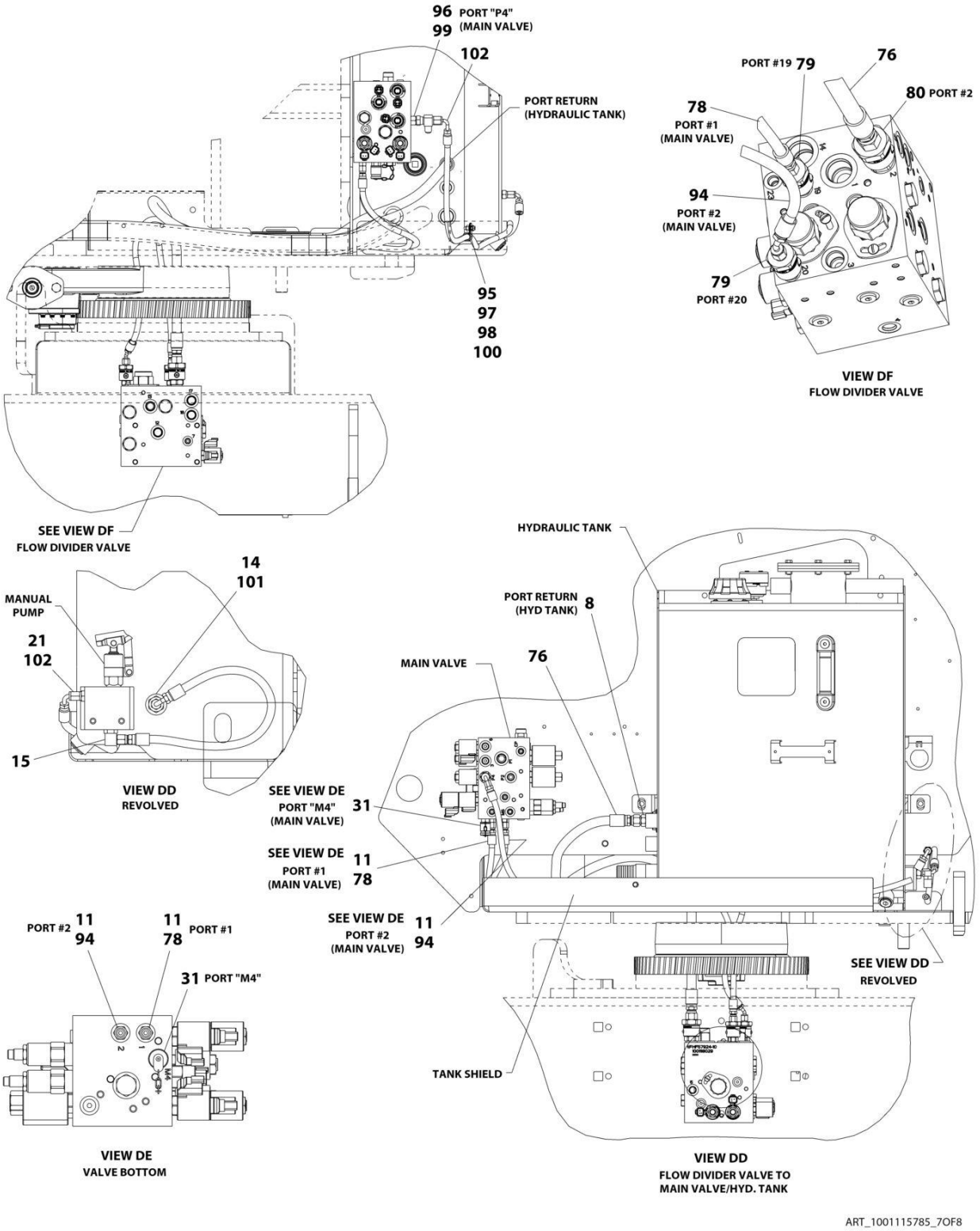

PORT "V2" (LEVEL CYL) 11
67 "ROD END" (MASTER CYL)
11 PORT "V1" (LEVEL CYL)
67 "BARREL END" (MASTER CYL)
VIEW BD
SEE VIEW BD LEVEL CYL.
70
SEE VIEW BC FLY BOOM VALVE
LEVEL CYL.
VIEW BB FLY BOOM
SEE VIEW BE JIB LIFT CYL
PORT "R2" 11
PORT "P1" 71 (HELAC)
31 PORT "MP"
PORT "R1" 11
PORT "P2" 71 (HELAC)
PORT "T" 11
11 PORT "J2"
70 PORT "V2" (JIB LIFT CYL)
PORT "ORF" (MAIN LIFT CYL) 66
11 PORT "J1"
70 PORT "V1" (JIB LIFT CYL)
11 PORT "P"
VIEW BC
65 PORT "P2" (UPRIGHT VALVE)
MASTER CYL.
LIFT CYL.
33
87
SLEEVE HOSE WRAP
15 PORT "ROD END"
67 (MASTER CYL)
15 PORT "ROD END" (MASTER CYL)
92 PORT "L2" UPRIGHT VALVE
15 PORT "BARREL END"
67 (MASTER CYL)
UPRIGHT VALVE
15 PORT "BARREL END" (MASTER CYL)
PORT "L2" 13
UPRIGHT VALVE 92
69 PORT "L1" UPRIGHT VALVE
PORT "P2" 22
UPRIGHT VALVE 65
13 PORT "ORF" (LIFT CYL)
66
11
69
PORT "L1" UPRIGHT VALVE
VIEW BA
UPRIGHT VALVE TO CYL'S
PORT "V1" 11
PORT "J1" 70 (FLY BOOM VALVE)
11 PORT "V2"
70 PORT "J2" (FLY BOOM VALVE)
VIEW BE
PORT "R1" 71 (FLY BOOM VALVE)
86 PORT "P2" (HELAC)
ACTUATOR HELAC
PORT "R2" 71 (FLY BOOM VALVE)
86 PORT "P1" (HELAC)
ART_1001115785_3OF8


TORQUE HUB
PORT "CASE" (DRIVE MOTOR) 19
DRIVE MOTOR
PORT "B" (DRIVE MOTOR) 56 84
81 PORT "BRAKE" (TORQUE HUB)
58
PORT "A" (DRIVE MOTOR) 56 84
54
33
58
54
VIEW CA
FRONT/RIGHT
DRIVE/BRAKE/CASE HOSES
SEE VIEW CB
FLOW DIVIDER VALVE
83 PORT #6
PORT #16 3
PORT "B" (DRIVE MOTOR) 56
58
30 PORT #4
3 PORT #10
82
54
56 PORT "A" (DRIVE MOTOR)
VIEW CB
FLOW DIVIDER VALVE
PORT #15 3
3 PORT #11
82
83
30
55
57
PORT "A" (DRIVE MOTOR) 53
53 PORT "B" (DRIVE MOTOR)
VIEW CD
FLOW DIVIDER VALVE
DRIVE MOTOR
PORT "CASE" (DRIVE MOTOR) 19
57
53 PORT "B" 84 (DRIVE MOTOR)
SEE VIEW CD
FLOW DIVIDER VALVE
55
33
53 PORT "A" 84 (DRIVE MOTOR)
PORT "BRAKE" (TORQUE HUB) 81
TORQUE HUB
VIEW CC
FRONT/LEFT
DRIVE/BRAKE/CASE HOSES
ART_1001115785_4OF8


93 PORT #8
7
PORT #9
38
39
VIEW CF
FLOW DIVIDER VALVE
(RIGHT SIDE) 11
STEER CYL
(LEFT SIDE) 11
52
SEE VIEW CH
FLOW DIVIDER VALVE
52
VIEW CG
STEER CYL
RAM LOCKOUT CYL.
11 PORT "P"
39 HOSE TEE ASSY
7
PORT "V"
38
39
38
HOSE TEE ASSY
38
39
TO FLOW DIVIDER VALVE
SEE VIEW CF
VIEW CE
RAM LOCKOUT CYL
11
PORT #21
11
PORT #22
52
(RIGHT SIDE)
52
(LEFT SIDE)
VIEW CH
FLOW DIVIDER VALVE
3 PORT #13
3 PORT #17
PORT "B"
(DRIVE MOTOR) 51
3 PORT #12
3 PORT #18
PORT "A"
(DRIVE MOTOR) 51
16 PORT #5
VIEW CK
FLOW DIVIDER VALVE
40
PORT #7
83
PORT #7
41
PORT #5
DRIVE MOTOR
PORT BRAKE
(TORQUE HUB) 81
40
SEE VIEW CK
FLOW DIVIDER VALVE
11
41
PORT "CASE"
(DRIVE MOTOR)
51
84
PORT "A"
(DRIVE MOTOR)
51
84
PORT "B"
(DRIVE MOTOR)
VIEW CJ
DRIVE/BRAKE/CASE HOSES
41
40
40
41
ART_1001115785_5OF8


BRACKET
CHARGE PUMP FILTER
1
2
32
75
VIEW DB
CLAMP/HARDWARE
CHARGE PUMP FILTER
"OUTLET SIDE"
CHARGE PUMP FILTER
28
73
4
PORT "A"
(MAIN PUMP)
MAIN PUMP
4
PORT "B"
(MAIN PUMP)
SEE VIEW DB
75
VIEW DA
MAIN PUMP/CHARGE FILTER HOSES
TO FLOW DIVIDER
SEE VIEW DC
FLOW DIVIDER VALVE
16
GAUGE PORT "MA"
(MAIN PUMP)
34
GAUGE PORT "M3"
(MAIN PUMP)
90
GAUGE PORT "MB"
(MAIN PUMP)
34
PORT "X3"
(MAIN PUMP)
21
21
74
4
72
BEARING PLATE
(TURNTABLE WELDMENT)
(ENGINE TRAY)
WORM GEAR BEARING
FRAME WELDMENT
72
74
PORT #14
77
73
79
PORT #23
77
PORT #1
75
80
PORT #3
VIEW DC
FLOW DIVIDER VALVE
ART_1001115785_6OF8

SECTION 7 - HYDRAULIC



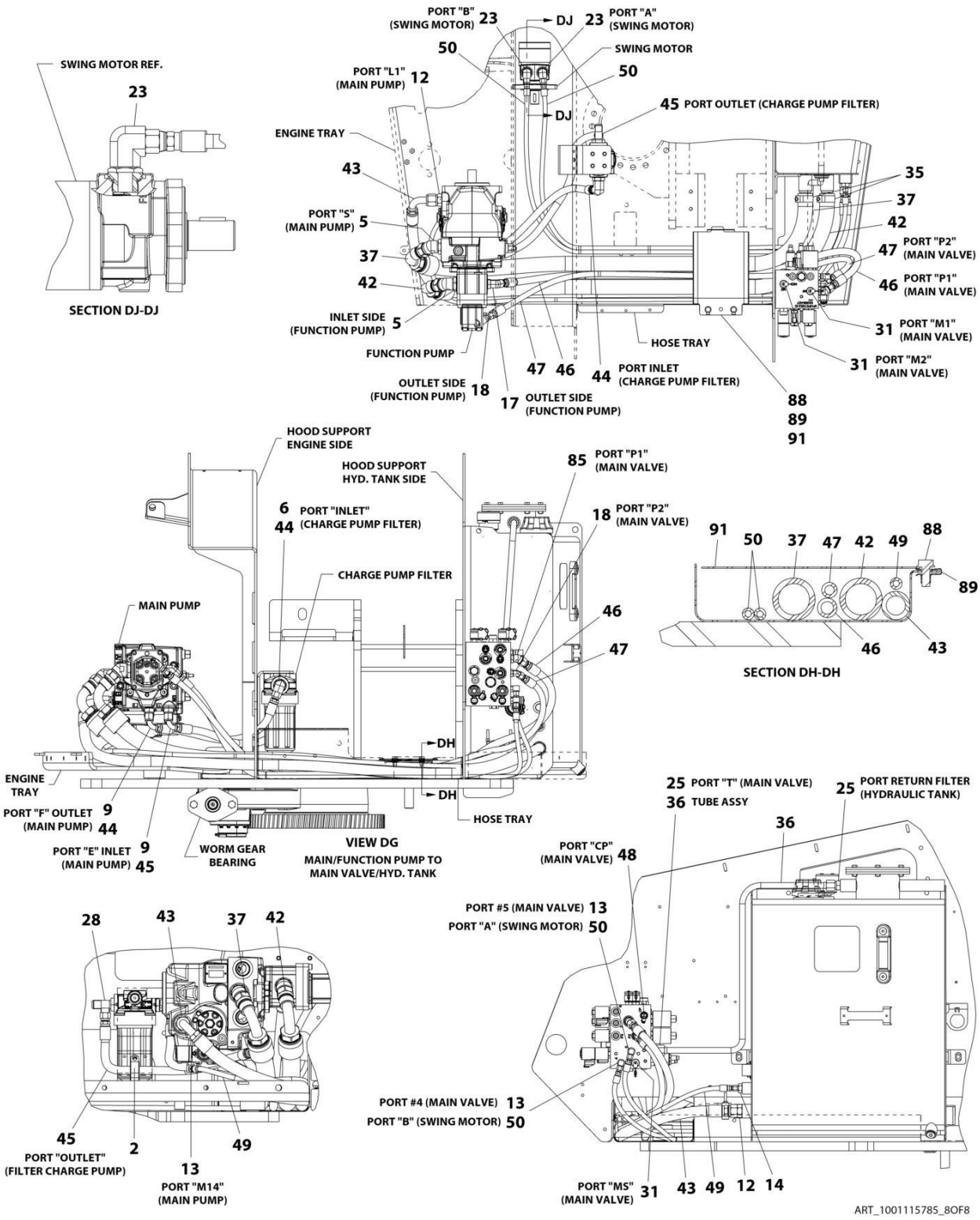
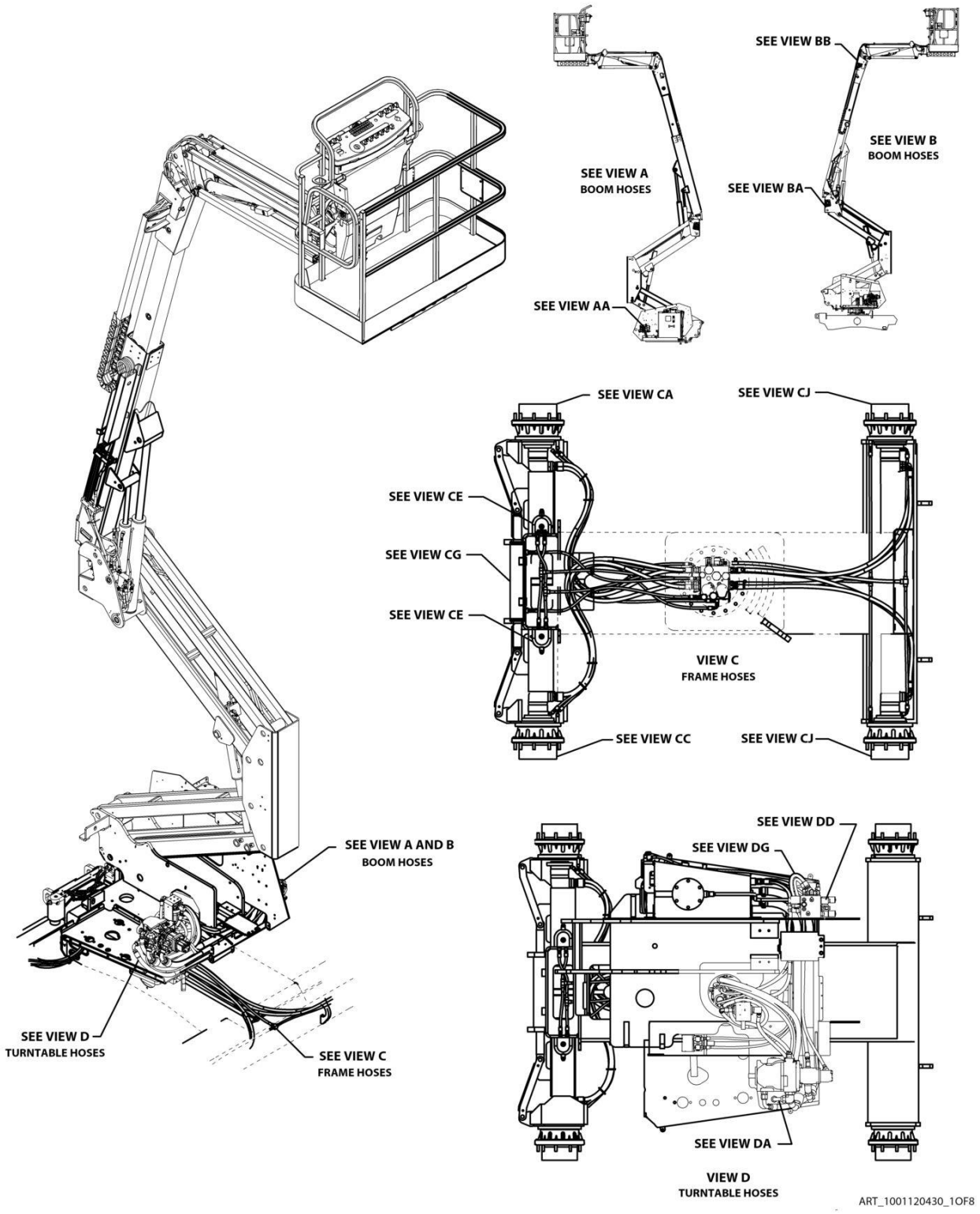

SWING MOTOR REF.
23
SECTION DJ-DJ
PORT "B" (SWING MOTOR) 23
DJ
23 PORT "A" (SWING MOTOR)
50
SWING MOTOR
50
PORT "L1" (MAIN PUMP) 12
45 PORT OUTLET (CHARGE PUMP FILTER)
DJ
ENGINE TRAY
43
35
37
42
PORT "S" (MAIN PUMP) 5
47 PORT "P2" (MAIN VALVE)
37
46 PORT "P1" (MAIN VALVE)
42
INLET SIDE (FUNCTION PUMP) 5
31 PORT "M1" (MAIN VALVE)
HOSE TRAY
FUNCTION PUMP
31 PORT "M2" (MAIN VALVE)
47 46 44 PORT INLET (CHARGE PUMP FILTER)
OUTLET SIDE (FUNCTION PUMP) 18
17 OUTLET SIDE (FUNCTION PUMP)
88
89
91
HOOD SUPPORT ENGINE SIDE
HOOD SUPPORT HYD. TANK SIDE
85 PORT "P1" (MAIN VALVE)
6 PORT "INLET" 44 (CHARGE PUMP FILTER)
18 PORT "P2" (MAIN VALVE)
CHARGE PUMP FILTER
MAIN PUMP
46
47
DH
DH
ENGINE TRAY
PORT "F" OUTLET (MAIN PUMP) 9 44
PORT "E" INLET (MAIN PUMP) 9 45
WORM GEAR BEARING
HOSE TRAY
VIEW DG
MAIN/FUNCTION PUMP TO MAIN VALVE/HYD. TANK
91 50 37 47 42 49 88
89
46 43
SECTION DH-DH
25 PORT "T" (MAIN VALVE)
36 TUBE ASSY
25 PORT RETURN FILTER (HYDRAULIC TANK)
36
PORT "CP" (MAIN VALVE) 48
PORT #5 (MAIN VALVE) 13
PORT "A" (SWING MOTOR) 50
28 43 37 42
45 2 49
PORT "OUTLET" (FILTER CHARGE PUMP)
13
PORT "M14" (MAIN PUMP)
PORT #4 (MAIN VALVE) 13
PORT "B" (SWING MOTOR) 50
PORT "MS" (MAIN VALVE) 31 43 49 12 14
ART_1001115785_8OF8

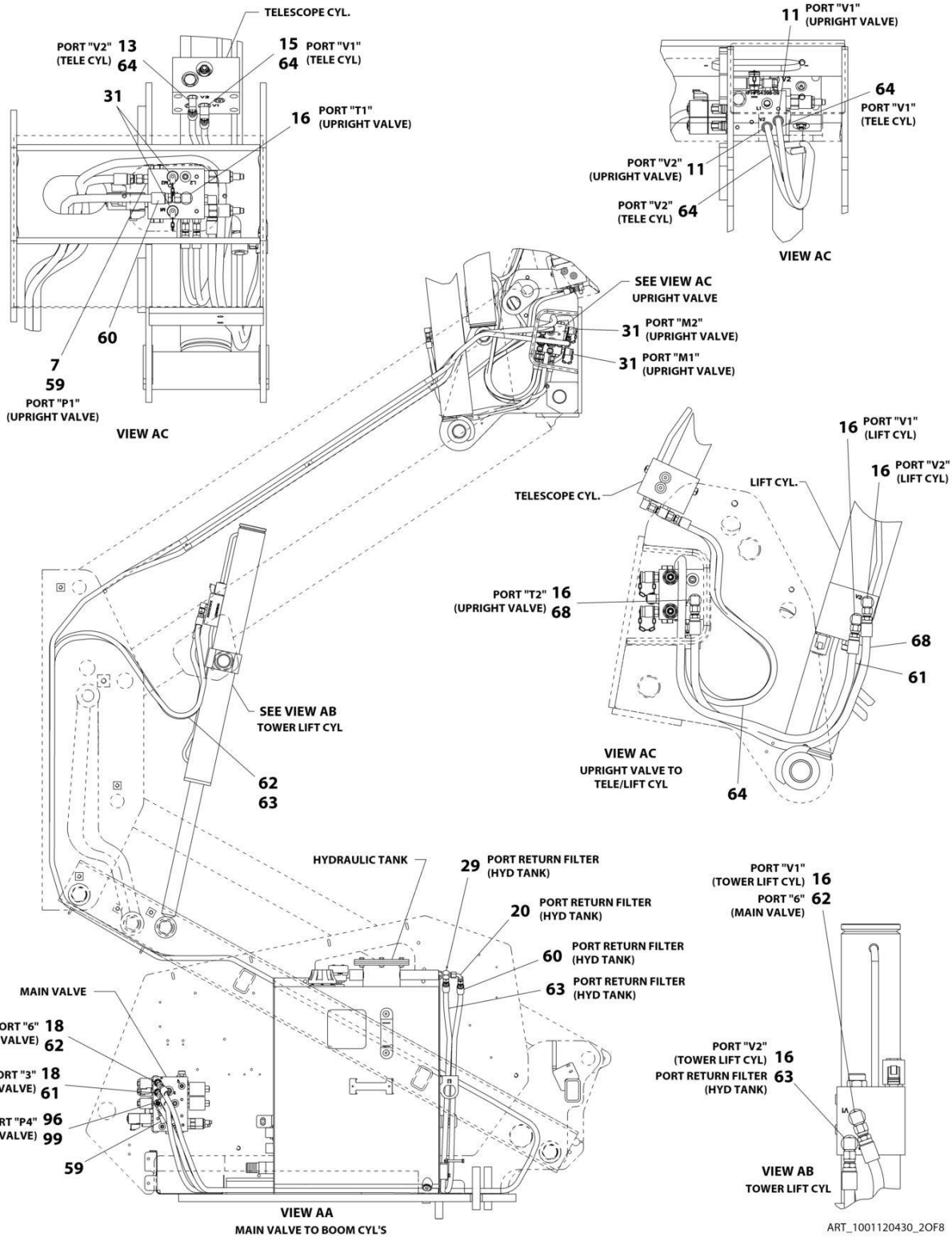
FIGURE 7-1. HYDRAULIC INSTALLATION - WITHOUT ARCTIC PACKAGE

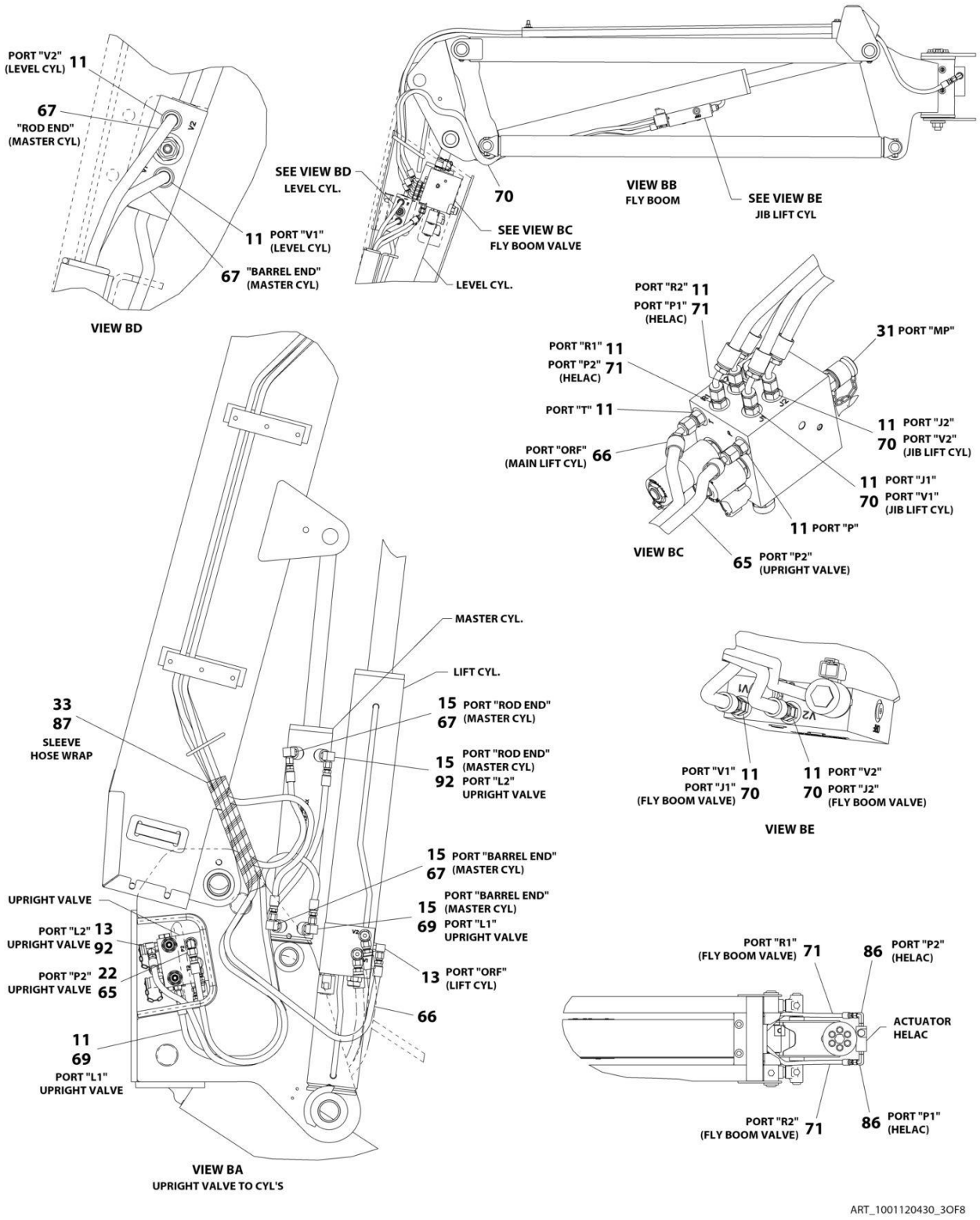
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115785	Ref	HYDRAULIC INSTALLATION - WITHOUT ARCTIC PACKAGE	H
1	0761012	1	Bolt M10 x 25	
2	1321716	1	Clamp	
3	2110808	8	Fitting, Straight ORFS/ORB	
4	2131216	2	Fitting, 90 ORFS/ORB	
5	2220365	2	Fitting, 45 JIC/ORB	
6	2220366	1	Fitting, 90 JIC/ORB	
7	2220371	4	Fitting, Straight JIC/ORB	
8	2220373	1	Fitting, Straight JIC/ORB	
9	2220374	2	Fitting, Straight JIC/ORB	
11	2220415	23	Fitting, Straight JIC/ORB	
12	2220451	2	Fitting, Straight JIC/ORB	
13	2220466	6	Fitting, 90 JIC/ORB	
14	2220468	2	Fitting, Straight JIC/ORB	
15	2220472	6	Fitting, 90 JIC/ORB	
16	2220473	8	Fitting, 90 JIC/ORB	
17	2220499	1	Fitting, 45 JIC/ORB	
18	2220501	4	Fitting, 45 JIC/ORB	
19	2220502	2	Fitting, 45 JIC/ORB	
20	2220507	1	Fitting, 90 JIC/FSJIC	
21	2220582	2	Fitting, Straight JIC/ORB	
22	2220819	1	Fitting, 90 JIC/ORB	
23	2220828	2	Fitting, 90 JIC/ORB	
25	2220947	2	Fitting, Straight JIC/ORB	
28	2221041	1	Fitting, Tee	
29	2221053	1	Fitting, Run Tee	
30	2221060	1	Fitting, Run Tee JIC	
31	2221086	7	Fitting, Test Port	
32	3291005	1	Nut M10	
33	4240018	7	Tie-Strap	
34	77133089	2	Mini Check	
35	80633030	2	Clamp, Hose	
36	1001116905	1	Tube, Steel	
37	1001119035	1	Hose	
38	1001119068	1	Hose	
39	1001119069	1	Hose	
40	1001119070	1	Hose	
41	1001119071	1	Hose	
42	1001119143	1	Hose	
43	1001119237	1	Hose	
44	1001119324	1	Hose	
45	1001119365	1	Hose	
46	1001119404	1	Hose	
47	1001119449	1	Hose	
48	1001119455	1	Valve, Oil Sampling	
49	1001119489	1	Hose	
50	1001119525	2	Hose	
51	1001119546	4	Hose	
52	1001119547	2	Hose	
53	1001119548	2	Hose	

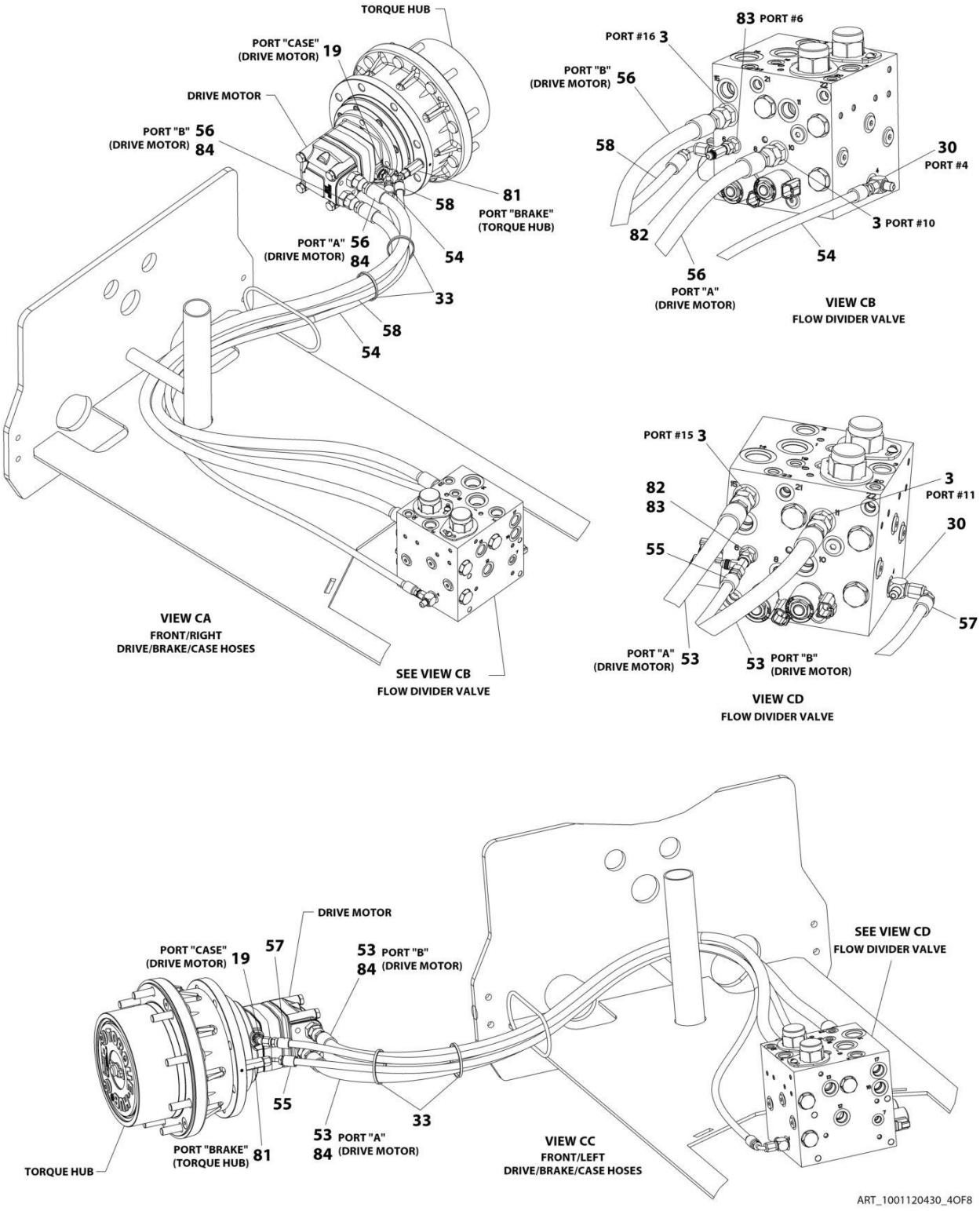
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	1001119550	1	Hose	
55	1001119552	1	Hose	
56	1001119568	2	Hose	
57	1001119569	1	Hose	
58	1001119570	1	Hose	
59	1001119572	1	Hose	
60	1001119577	1	Hose	
61	1001119593	1	Hose	
62	1001119594	1	Hose	
63	1001119595	1	Hose	
64	1001119596	2	Hose	
65	1001119597	1	Hose	
66	1001119598	1	Hose	
67	1001119600	2	Hose	
68	1001119602	1	Hose	
69	1001119603	1	Hose	
70	1001119604	2	Hose	
71	1001119605	2	Hose	
72	1001119606	1	Hose	
73	1001119607	1	Hose	
74	1001119608	1	Hose	
75	1001119610	1	Hose	
76	1001119611	1	Hose	
77	1001119612	2	Fitting, Straight ORB/ORFS	
78	1001119613	1	Hose	
79	1001119626	3	Fitting, Straight JIC/ORB	
80	1001119627	2	Fitting, Straight JIC/ORB	
81	1001119630	4	Fitting, Straight JIC/MPP	
82	2220605	1	Fitting, Tee JIC/FSJIC/JIC	
83	4641284	2	Valve, Orifice Check	
84	2110810	8	Fitting, Straight ORFS/ORB	
85	2220500	1	Fitting, 45 JIC/ORB	
86	2220940	2	Fitting, 90 JIC/ORB	
87	4100066	1	Sleeve, Hose Wrap	
88	5250810	2	Bolt M8 x 20	
89	8310686	2	Retainer M8	
90	91143172	1	Coupling	
91	1001121221	1	Cover, Tray	
92	1001121966	1	Hose	
93	1001125108	1	Fitting, Straight JIC/ORB	
94	1001125249	1	Hose	
95	0700510	1	Bolt M5 x 20	
96	2220635	1	Fitting, Tee JIC/FSJIC/JIC	
97	3290605	1	Nut M6	
98	4811700	2	Washer M6	
99	80233041	1	Fitting, Check	
100	85941016	1	Clamp	
101	1001127703	1	Hose	
102	1001127705	1	Hose	

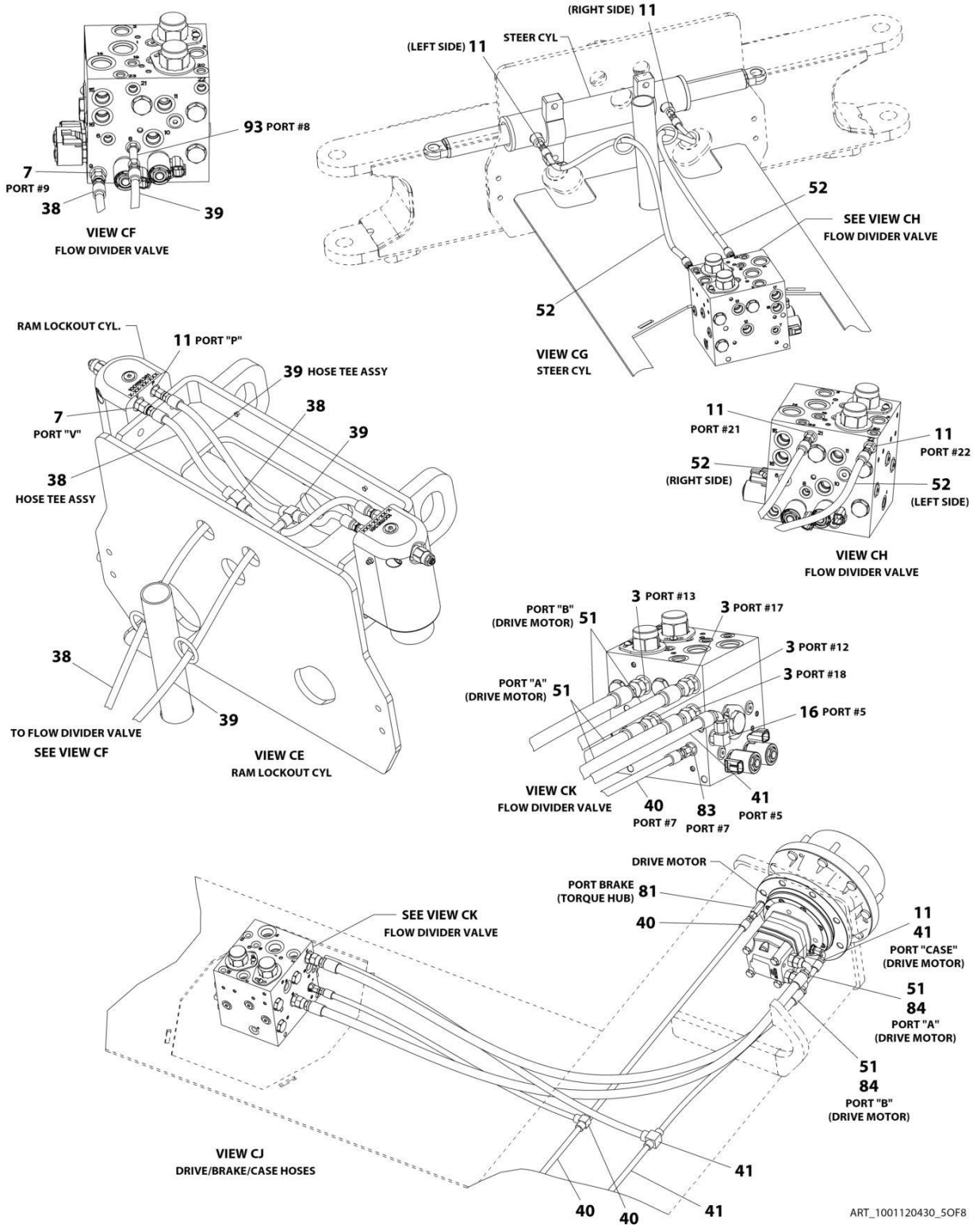
FIGURE 7-2. HYDRAULIC INSTALLATION - WITH ARCTIC PACKAGE

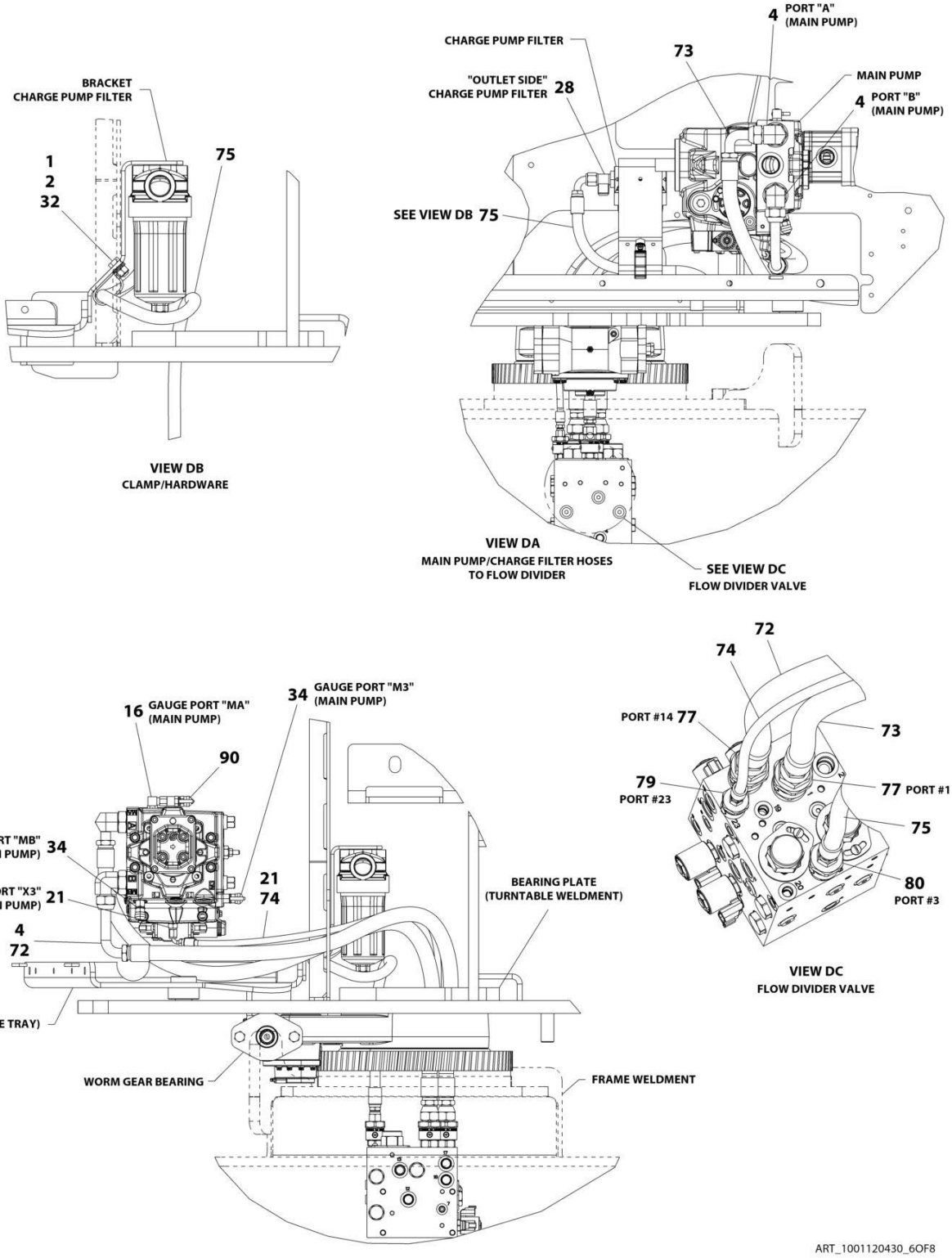


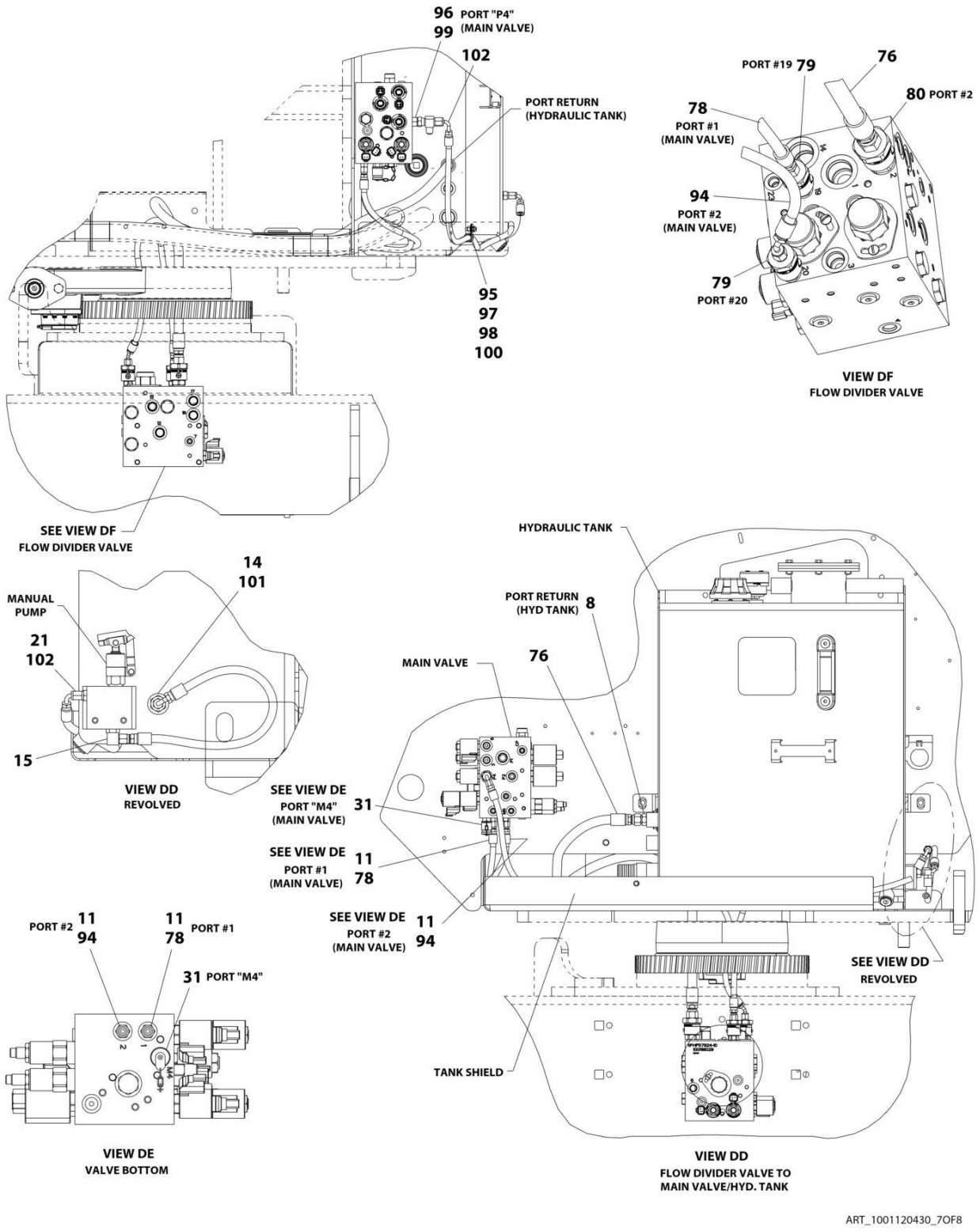

TELESCOPE CYL.
PORT "V2" (TELE CYL) 13 64
15 PORT "V1" (TELE CYL) 64
31
16 PORT "T1" (UPRIGHT VALVE)
60
7
59
PORT "P1" (UPRIGHT VALVE)
VIEW AC
11 PORT "V1" (UPRIGHT VALVE)
64 PORT "V1" (TELE CYL)
PORT "V2" (UPRIGHT VALVE) 11
PORT "V2" (TELE CYL) 64
VIEW AC
SEE VIEW AC UPRIGHT VALVE
31 PORT "M2" (UPRIGHT VALVE)
31 PORT "M1" (UPRIGHT VALVE)
16 PORT "V1" (LIFT CYL)
16 PORT "V2" (LIFT CYL)
TELESCOPE CYL.
LIFT CYL.
PORT "T2" (UPRIGHT VALVE) 16 68
68
61
64
VIEW AC
UPRIGHT VALVE TO TELE/LIFT CYL
SEE VIEW AB TOWER LIFT CYL
62
63
HYDRAULIC TANK
29 PORT RETURN FILTER (HYD TANK)
20 PORT RETURN FILTER (HYD TANK)
60 PORT RETURN FILTER (HYD TANK)
63 PORT RETURN FILTER (HYD TANK)
MAIN VALVE
PORT "6" (MAIN VALVE) 18 62
PORT "3" (MAIN VALVE) 18 61
PORT "P4" (MAIN VALVE) 96 99
59
VIEW AA
MAIN VALVE TO BOOM CYL'S
PORT "V1" (TOWER LIFT CYL) 16
PORT "6" (MAIN VALVE) 62
PORT "V2" (TOWER LIFT CYL) 16
PORT RETURN FILTER (HYD TANK) 63
VIEW AB
TOWER LIFT CYL
ART_1001120430_2OF8


PORT "V2" (LEVEL CYL) 11
67 "ROD END" (MASTER CYL)
11 PORT "V1" (LEVEL CYL)
67 "BARREL END" (MASTER CYL)
VIEW BD
SEE VIEW BD LEVEL CYL.
70
SEE VIEW BC FLY BOOM VALVE
LEVEL CYL.
VIEW BB FLY BOOM
SEE VIEW BE JIB LIFT CYL
PORT "R2" 11
PORT "P1" 71 (HELAC)
31 PORT "MP"
PORT "R1" 11
PORT "P2" 71 (HELAC)
PORT "T" 11
11 PORT "J2"
70 PORT "V2" (JIB LIFT CYL)
PORT "ORF" (MAIN LIFT CYL) 66
11 PORT "J1"
70 PORT "V1" (JIB LIFT CYL)
11 PORT "P"
VIEW BC
65 PORT "P2" (UPRIGHT VALVE)
MASTER CYL.
LIFT CYL.
33
87
SLEEVE HOSE WRAP
15 PORT "ROD END" 67 (MASTER CYL)
15 PORT "ROD END" (MASTER CYL)
92 PORT "L2" UPRIGHT VALVE
15 PORT "BARREL END" 67 (MASTER CYL)
15 PORT "BARREL END" (MASTER CYL)
69 PORT "L1" UPRIGHT VALVE
13 PORT "ORF" (LIFT CYL)
66
UPRIGHT VALVE
PORT "L2" 13 UPRIGHT VALVE 92
PORT "P2" 22 UPRIGHT VALVE 65
11
69
PORT "L1" UPRIGHT VALVE
VIEW BA
UPRIGHT VALVE TO CYL'S
PORT "V1" 11
PORT "J1" 70 (FLY BOOM VALVE)
11 PORT "V2"
70 PORT "J2" (FLY BOOM VALVE)
VIEW BE
PORT "R1" (FLY BOOM VALVE) 71
86 PORT "P2" (HELAC)
ACTUATOR HELAC
PORT "R2" (FLY BOOM VALVE) 71
86 PORT "P1" (HELAC)
ART_1001120430_3OF8


TORQUE HUB
PORT "CASE" (DRIVE MOTOR) 19
DRIVE MOTOR
PORT "B" (DRIVE MOTOR) 56 84
58
81 PORT "BRAKE" (TORQUE HUB)
PORT "A" (DRIVE MOTOR) 56 84
54
33
58
54
VIEW CA
FRONT/RIGHT
DRIVE/BRAKE/CASE HOSES
SEE VIEW CB
FLOW DIVIDER VALVE
83 PORT #6
PORT #16 3
PORT "B" (DRIVE MOTOR) 56
58
30 PORT #4
3 PORT #10
82
54
56 PORT "A" (DRIVE MOTOR)
VIEW CB
FLOW DIVIDER VALVE
PORT #15 3
3 PORT #11
82
83
30
55
57
PORT "A" (DRIVE MOTOR) 53
53 PORT "B" (DRIVE MOTOR)
VIEW CD
FLOW DIVIDER VALVE
DRIVE MOTOR
PORT "CASE" (DRIVE MOTOR) 19
57
53 PORT "B" 84 (DRIVE MOTOR)
SEE VIEW CD
FLOW DIVIDER VALVE
55
33
53 PORT "A" 84 (DRIVE MOTOR)
PORT "BRAKE" (TORQUE HUB) 81
TORQUE HUB
VIEW CC
FRONT/LEFT
DRIVE/BRAKE/CASE HOSES
ART_1001120430_4OF8


93 PORT #8
7
PORT #9
38
39
VIEW CF
FLOW DIVIDER VALVE
(RIGHT SIDE) 11
STEER CYL
(LEFT SIDE) 11
52
SEE VIEW CH
FLOW DIVIDER VALVE
52
VIEW CG
STEER CYL
RAM LOCKOUT CYL.
11 PORT "P"
39 HOSE TEE ASSY
7
PORT "V"
38
39
38
HOSE TEE ASSY
38
39
TO FLOW DIVIDER VALVE
SEE VIEW CF
VIEW CE
RAM LOCKOUT CYL
11
PORT #21
11
PORT #22
52
(RIGHT SIDE)
52
(LEFT SIDE)
VIEW CH
FLOW DIVIDER VALVE
3 PORT #13
3 PORT #17
PORT "B"
(DRIVE MOTOR) 51
3 PORT #12
3 PORT #18
PORT "A"
(DRIVE MOTOR) 51
16 PORT #5
VIEW CK
FLOW DIVIDER VALVE
40
PORT #7
83
PORT #7
41
PORT #5
DRIVE MOTOR
PORT BRAKE
(TORQUE HUB) 81
40
SEE VIEW CK
FLOW DIVIDER VALVE
11
41
PORT "CASE"
(DRIVE MOTOR)
51
84
PORT "A"
(DRIVE MOTOR)
51
84
PORT "B"
(DRIVE MOTOR)
VIEW CJ
DRIVE/BRAKE/CASE HOSES
41
40
40
41
ART_1001120430_5OF8


BRACKET
CHARGE PUMP FILTER
1
2
32
75
VIEW DB
CLAMP/HARDWARE
CHARGE PUMP FILTER
"OUTLET SIDE"
CHARGE PUMP FILTER
28
73
4
PORT "A"
(MAIN PUMP)
MAIN PUMP
4
PORT "B"
(MAIN PUMP)
SEE VIEW DB
75
VIEW DA
MAIN PUMP/CHARGE FILTER HOSES
TO FLOW DIVIDER
SEE VIEW DC
FLOW DIVIDER VALVE
16
GAUGE PORT "MA"
(MAIN PUMP)
34
GAUGE PORT "M3"
(MAIN PUMP)
90
GAUGE PORT "MB"
(MAIN PUMP)
34
PORT "X3"
(MAIN PUMP)
21
21
74
4
72
BEARING PLATE
(TURNTABLE WELDMENT)
(ENGINE TRAY)
WORM GEAR BEARING
FRAME WELDMENT
72
74
PORT #14
77
73
79
PORT #23
77
PORT #1
75
80
PORT #3
VIEW DC
FLOW DIVIDER VALVE
ART_1001120430_6OF8


96 PORT "P4" (MAIN VALVE)
99
102
PORT RETURN (HYDRAULIC TANK)
95
97
98
100
SEE VIEW DF
FLOW DIVIDER VALVE
PORT #19 79
76
80 PORT #2
78
PORT #1 (MAIN VALVE)
94
PORT #2 (MAIN VALVE)
79
PORT #20
VIEW DF
FLOW DIVIDER VALVE
14
101
MANUAL PUMP
21
102
15
VIEW DD
REVOLVED
HYDRAULIC TANK
PORT RETURN (HYD TANK) 8
MAIN VALVE
76
SEE VIEW DE
PORT "M4" (MAIN VALVE)
31
SEE VIEW DE
PORT #1 (MAIN VALVE)
11
78
SEE VIEW DE
PORT #2 (MAIN VALVE)
11
94
SEE VIEW DD
REVOLVED
TANK SHIELD
PORT #2 11
94
11
78
PORT #1
31 PORT "M4"
VIEW DE
VALVE BOTTOM
VIEW DD
FLOW DIVIDER VALVE TO MAIN VALVE/HYD. TANK
ART_1001120430_7OF8

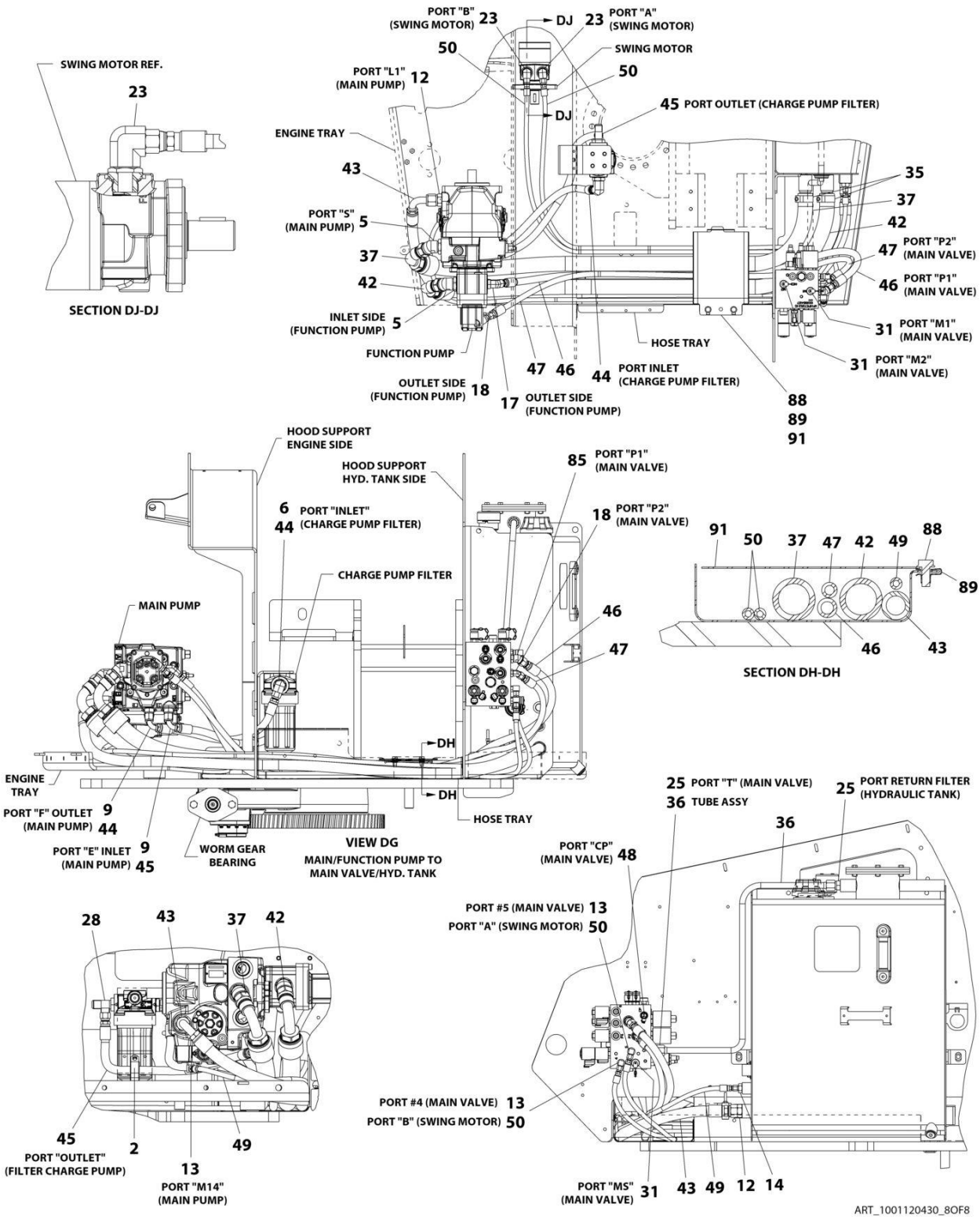

SWING MOTOR REF.
23
SECTION DJ-DJ
PORT "B" (SWING MOTOR) 23
DJ
23 PORT "A" (SWING MOTOR)
50
SWING MOTOR
50
PORT "L1" (MAIN PUMP) 12
DJ
45 PORT OUTLET (CHARGE PUMP FILTER)
ENGINE TRAY
43
35
37
PORT "S" (MAIN PUMP) 5
42
47 PORT "P2" (MAIN VALVE)
37
46 PORT "P1" (MAIN VALVE)
42
INLET SIDE (FUNCTION PUMP) 5
31 PORT "M1" (MAIN VALVE)
HOSE TRAY
FUNCTION PUMP
31 PORT "M2" (MAIN VALVE)
47 46 44 PORT INLET (CHARGE PUMP FILTER)
OUTLET SIDE (FUNCTION PUMP) 18
17 OUTLET SIDE (FUNCTION PUMP)
88
89
91
HOOD SUPPORT ENGINE SIDE
HOOD SUPPORT HYD. TANK SIDE
85 PORT "P1" (MAIN VALVE)
6 PORT "INLET" 44 (CHARGE PUMP FILTER)
18 PORT "P2" (MAIN VALVE)
CHARGE PUMP FILTER
MAIN PUMP
46
47
DH
DH
ENGINE TRAY
PORT "F" OUTLET (MAIN PUMP) 9 44
PORT "E" INLET (MAIN PUMP) 9 45
WORM GEAR BEARING
HOSE TRAY
VIEW DG
MAIN/FUNCTION PUMP TO MAIN VALVE/HYD. TANK
91 50 37 47 42 49 88
89
46 43
SECTION DH-DH
25 PORT "T" (MAIN VALVE)
36 TUBE ASSY
25 PORT RETURN FILTER (HYDRAULIC TANK)
36
PORT "CP" (MAIN VALVE) 48
PORT #5 (MAIN VALVE) 13
PORT "A" (SWING MOTOR) 50
28 43 37 42
45 2 49
PORT "OUTLET" (FILTER CHARGE PUMP)
13
PORT "M14" (MAIN PUMP)
PORT #4 (MAIN VALVE) 13
PORT "B" (SWING MOTOR) 50
PORT "MS" (MAIN VALVE) 31 43 49 12 14
ART_1001120430_8OF8

FIGURE 7-2. HYDRAULIC INSTALLATION - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120430	Ref	HYDRAULIC INSTALLATION - WITH ARCTIC PACKAGE	F
1	0761012	1	Bolt M10 x 25	
2	1321716	1	P-Clamp	
3	2110808	8	Fitting, Straight ORFS/ORB	
4	2131216	2	Fitting, 90 ORFS/ORB	
5	2220365	2	Fitting, 45 JIC/ORB	
6	2220366	1	Fitting, 90 JIC/ORB	
7	2220371	4	Fitting, Straight JIC/ORB	
8	2220373	1	Fitting, Straight JIC/ORB	
9	2220374	2	Fitting, Straight JIC/ORB	
11	2220415	23	Fitting, Straight JIC/ORB	
12	2220451	2	Fitting, Straight JIC/ORB	
13	2220466	6	Fitting, 90 JIC/ORB	
14	2220468	2	Fitting, Straight JIC/ORB	
15	2220472	6	Fitting, 90 JIC/ORB	
16	2220473	8	Fitting, 90 JIC/ORB	
17	2220499	1	Fitting, 45 JIC/ORB	
18	2220501	4	Fitting, 45 JIC/ORB	
19	2220502	2	Fitting, 45 JIC/ORB	
20	2220507	1	Fitting, 90 JIC/FSJIC	
21	2220582	2	Fitting, Straight JIC/ORB	
22	2220819	1	Fitting, 90 JIC/ORB	
23	2220828	2	Fitting, 90 JIC/ORB	
25	2220947	2	Fitting, Straight JIC/ORB	
28	2221041	1	Fitting, Tee	
29	2221053	1	Fitting, Run Tee	
30	2221060	1	Fitting, Run Tee JIC	
31	2221086	7	Fitting, Test Port	
32	3291005	1	Nut M10	
33	4240018	7	Tie-Strap	
34	77133089	2	Mini Check	
35	80633030	2	Clamp, Hose	
36	1001116905	1	Tube, Steel	
37	1001119035	1	Hose	
38	1001119068	1	Hose	
39	1001119069	1	Hose	
40	1001119070	1	Hose	
41	1001119071	1	Hose	
42	1001119143	1	Hose	
43	1001119237	1	Hose	
44	1001119324	1	Hose	
45	1001119365	1	Hose	
46	1001119404	1	Hose	
47	1001119449	1	Hose	
48	1001119455	1	Valve, Oil Sampling	
49	1001119489	1	Hose	
50	1001119525	2	Hose	
51	1001119546	4	Hose	
52	1001119547	2	Hose	
53	1001120424	2	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	1001120425	1	Hose	
55	1001120426	1	Hose	
56	1001120427	2	Hose	
57	1001120428	1	Hose	
58	1001120429	1	Hose	
59	1001119572	1	Hose	
60	1001119577	1	Hose	
61	1001119593	1	Hose	
62	1001119594	1	Hose	
63	1001119595	1	Hose	
64	1001119596	2	Hose	
65	1001119597	1	Hose	
66	1001119598	1	Hose	
67	1001119600	2	Hose	
68	1001119602	1	Hose	
69	1001119603	1	Hose	
70	1001119604	2	Hose	
71	1001119605	2	Hose	
72	1001119606	1	Hose	
73	1001119607	1	Hose	
74	1001119608	1	Hose	
75	1001119610	1	Hose	
76	1001119611	1	Hose	
77	1001119612	2	Fitting, Straight ORB/ORFS	
78	1001119613	1	Hose	
79	1001119626	3	Fitting, Straight JIC/ORB	
80	1001119627	2	Fitting, Straight JIC/ORB	
81	1001119630	4	Fitting, Straight JIC/MPP	
82	2220605	1	Fitting, Tee JIC/FSJIC/JIC	
83	4641284	2	Valve, Orifice Check	
84	2110810	8	Fitting, Straight ORFS/ORB	
85	2220500	1	Fitting, 45 JIC/ORB	
86	2220940	2	Fitting, 90 JIC/ORB	
87	4100066	1	Sleeve, Hose Wrap	
88	5250810	2	Bolt M8 x 20	
89	8310686	2	Retainer M8	
90	91143172	1	Coupling	
91	1001121221	1	Cover, Tray	
92	1001121966	1	Hose	
93	1001125108	1	Fitting, Straight JIC/ORB	
94	1001125249	1	Hose	
95	0700510	1	Bolt M5 x 20	
96	2220635	1	Fitting, Tee JIC/FSJIC/JIC	
97	3290605	1	Nut M6	
98	4811700	2	Washer M6	
99	80233041	1	Fitting, Check	
100	85941016	1	Clamp	
101	1001127703	1	Hose	
102	1001127705	1	Hose	

FIGURE 7-3. HYDRAULIC DIAGRAM LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: Diagrams not shown are available from JLG Service/Parts Departments.	
		Ref	HYDRAULIC DIAGRAM LIST	
		Ref	Hydraulic Diagram Installation	
	1001115785	Ref	Hydraulic Diagram Installation - Without Arctic Package	
	1001120430	Ref	Hydraulic Diagram Installation - With Arctic Package	
	1001120020	Ref	Standard Hydraulic Schematic	

SECTION 8 - ELECTRICAL

FIGURE 8-1. ELECTRICAL DIAGRAM LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: Diagrams not shown are available from the JLG Service Department.	
		Ref	ELECTRICAL DIAGRAM LIST	
	1001195160	Ref	Generator Electrical Diagram - 4000W/50Hz (ANSI Export, China and Japanese Specs)	
	1001169769	Ref	Generator Electrical Diagram - 4000W/50Hz (Australian Specs)	
	1001169771	Ref	Generator Electrical Diagram - 4000W/50Hz (CE Specs)	
	1001169770	Ref	Generator Electrical Diagram - 4000W/50Hz (UK Specs)	
	1001169768	Ref	Generator Electrical Diagram - 4000W/60Hz (ANSI, ANSI Export, China, CSA and Japanese Specs)	
	1001119638	Ref	Standard Electrical Schematic	

FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - LOCALLY SUPPLIED COMPONENTS (ANSI EXPORT, AUSTRALIAN AND CHINA SPECS)

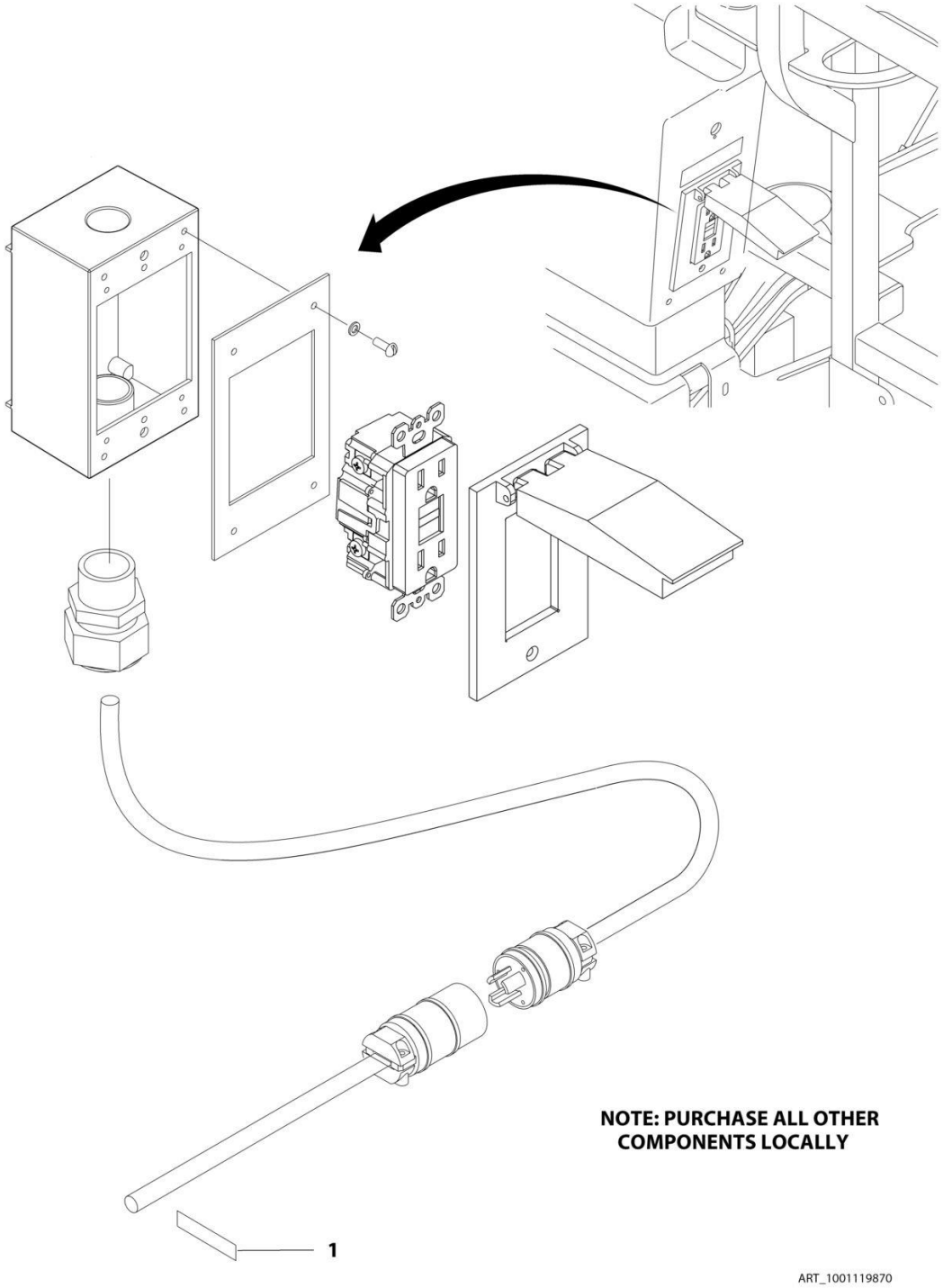


FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - LOCALLY SUPPLIED COMPONENTS (ANSI EXPORT, AUSTRALIAN AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119870	Ref	AC BOX AT PLATFORM INSTALLATION - LOCALLY SUPPLIED COMPONENTS (ANSI EXPORT, AUSTRALIAN AND CHINA SPECS)	A
1	3251243	1	Decal - 120V-60Hz	

FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - LOCALLY SUPPLIED (CE SPEC)

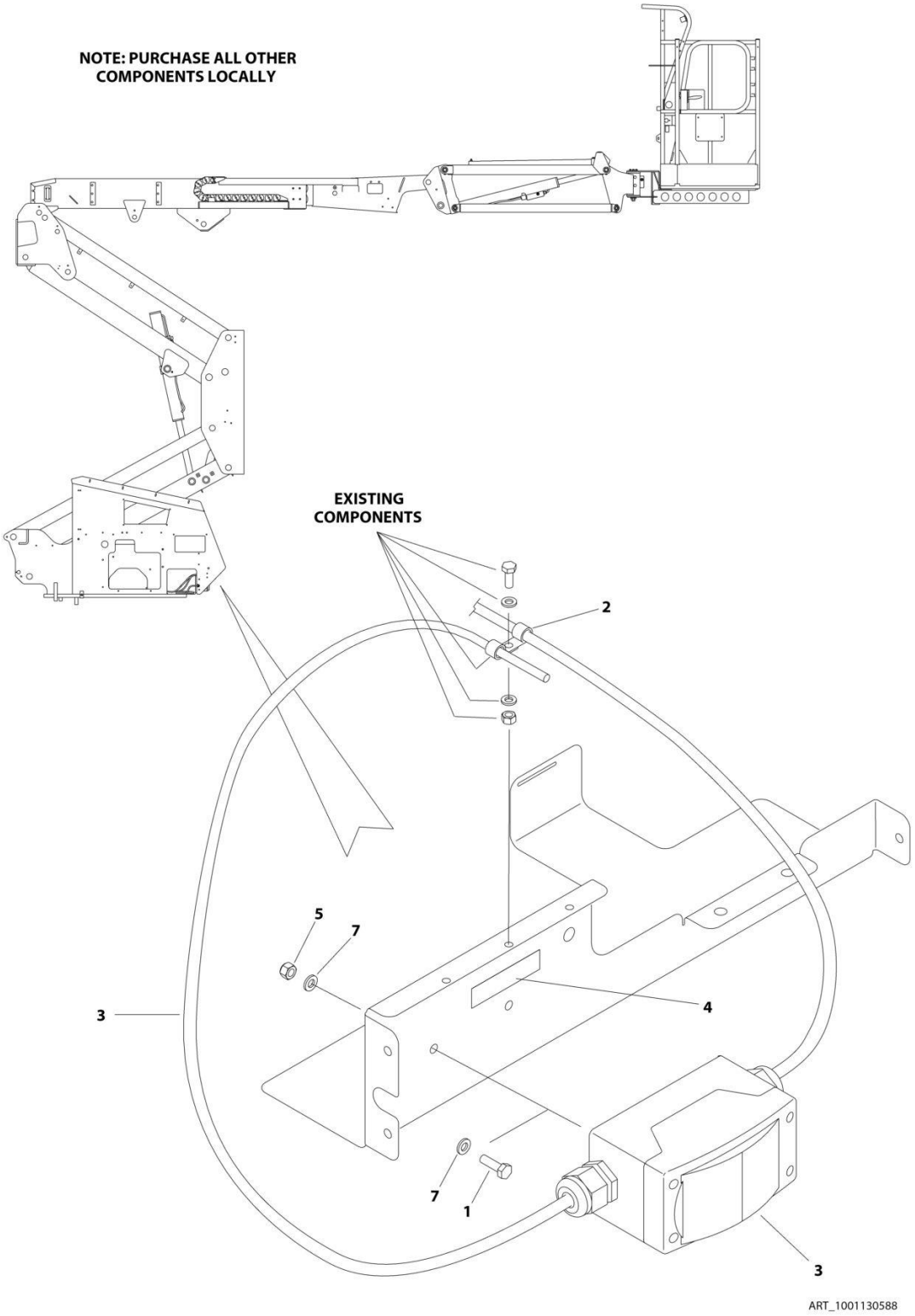


FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - LOCALLY SUPPLIED (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001130588	Ref	AC BOX AT PLATFORM INSTALLATION - LOCALLY SUPPLIED (CE SPEC)	A
1	0760610	2	Bolt M6 x 20	
2	1320043	1	Clamp	
3	2902549	1	Breaker Box Kit (See BREAKER BOX KIT (CE SPEC) for Breakdown)	
4	3252507	1	Decal - 220V-50/60Hz	
5	3290605	2	Nut M6	
6	4460121	3	Cap, Wire (Not Shown - Located inside Receptacle Box)	
7	4811700	4	Washer M6	

FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)

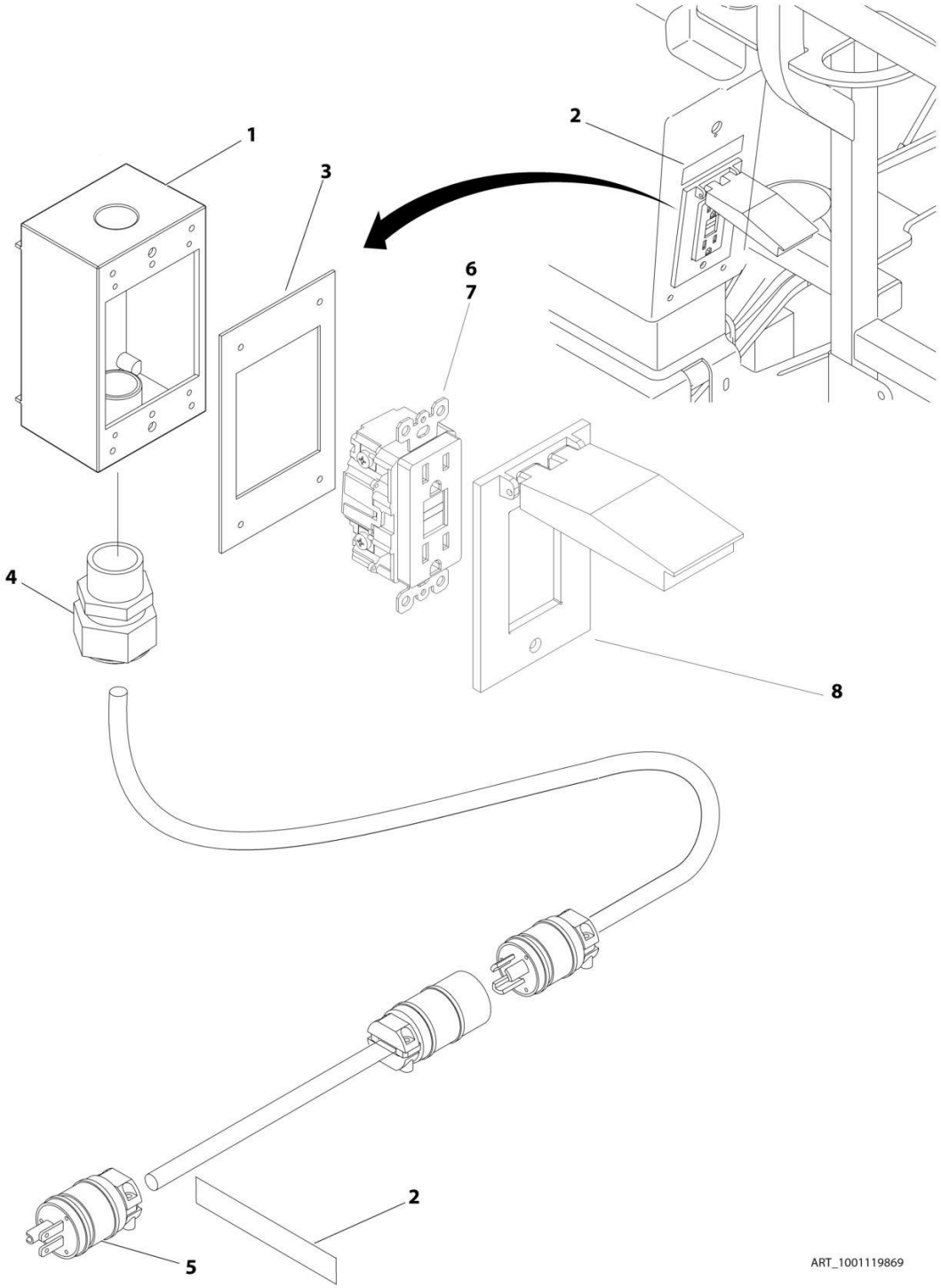


FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119869	Ref	AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)	A
1	0860038	1	Box, Switch	
2	3251243	2	Decal - 120V-60Hz	
3	3960422	1	Gasket	
4	4460071	1	Connector, Strain Relief	
5	4460205	1	Plug, Male	
6	4460315	3	Terminal, Spade	
7	4460346	1	Receptacle	
8	1001110873	1	Shield, Cover	

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

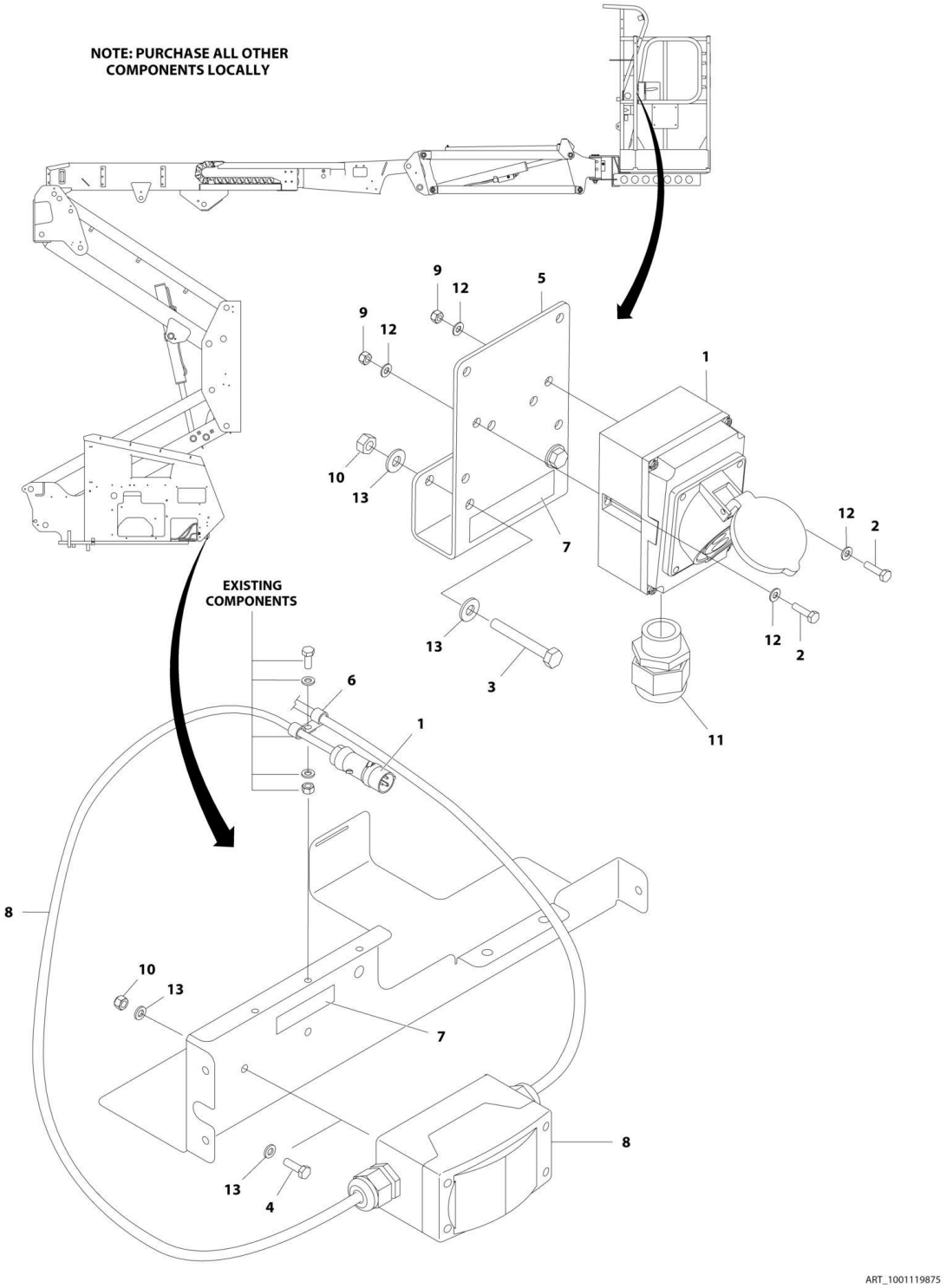


FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW WITHOUT 4000W GENERATOR (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119875	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW WITHOUT 4000W GENERATOR (CE SPEC)	B
1	0275216	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC) for Breakdown)	
2	0700408	2	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
4	0760610	2	Bolt M6 x 20	
5	1001193018	1	Bracket	
6	1320043	1	Clamp	
7	1705325	2	Decal - 120V-50Hz	
8	2902549	1	Breaker Box Kit (See BREAKER BOX KIT (CE SPEC) for Breakdown)	
9	3290405	2	Nut M4	
10	3290605	4	Nut M6	
11	4460968	1	Connector, Strain Relief	
12	4811400	4	Washer M4	
13	4811700	8	Washer M6	

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

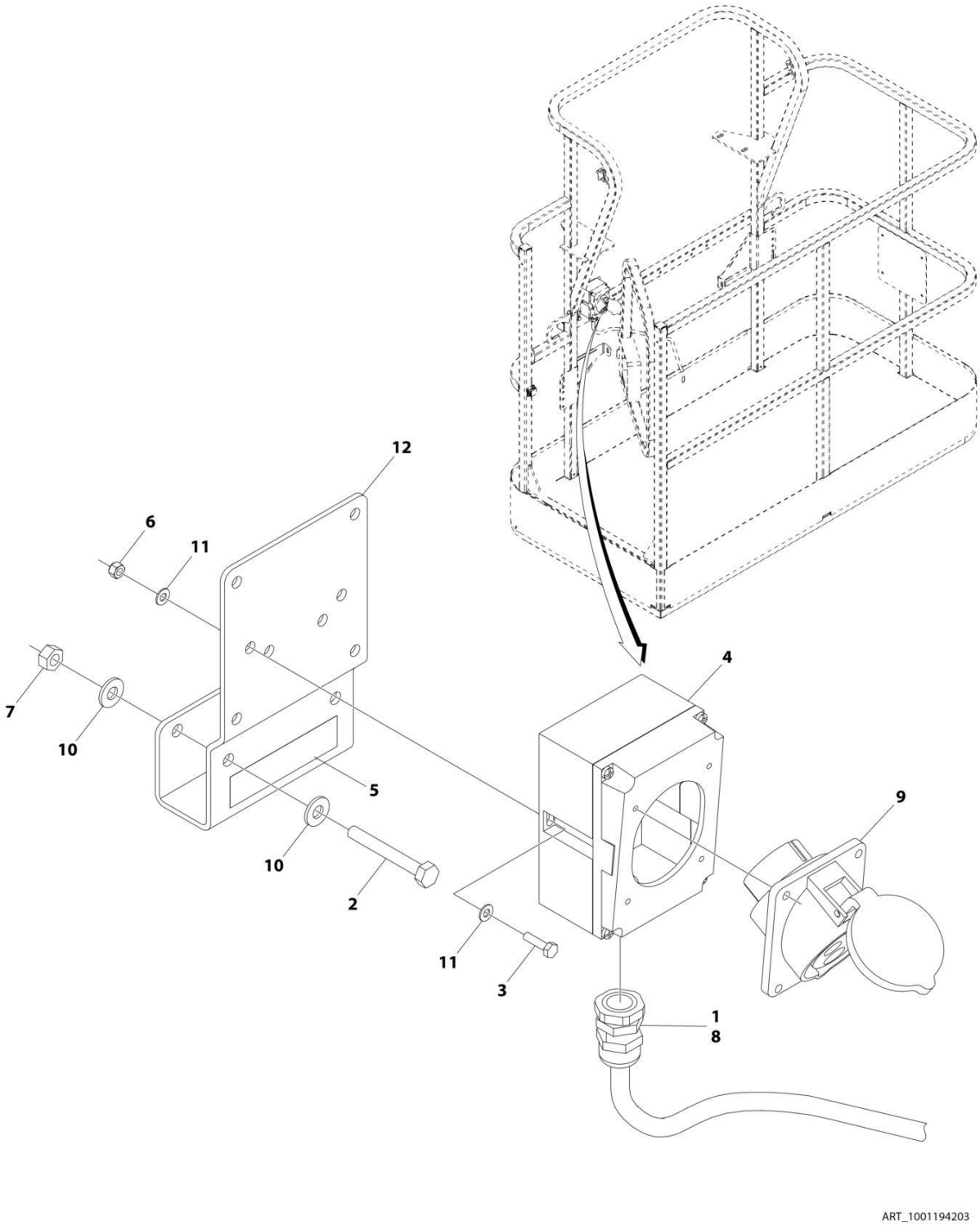


FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW WITH 4000W GENERATOR (CE SPECS)

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

FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V (CSA SPEC)

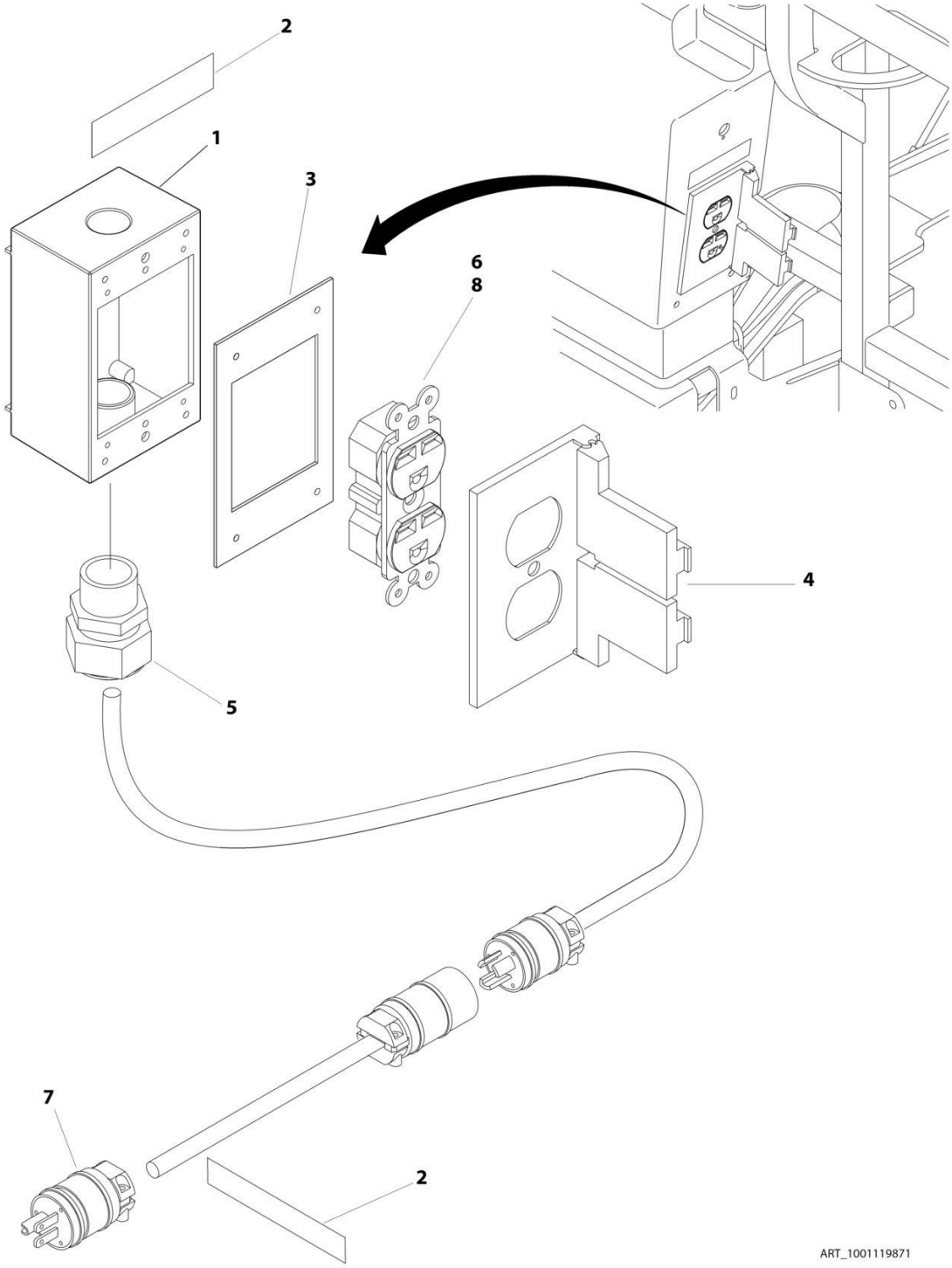


FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V (CSA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119871	Ref	AC BOX AT PLATFORM INSTALLATION - 220V (CSA SPEC)	A
1	0860038	1	Box, Switch	
2	3252507	2	Decal - 220V-50/60Hz	
3	3960422	1	Gasket	
4	4060092	1	Shield, Weather	
5	4460071	1	Connector, Strain Relief	
6	4460125	1	Receptacle	
7	4460233	1	Plug, Male	
8	4460315	3	Terminal, Spade	

FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE WITHOUT 4000W GENERATOR (CE SPEC)

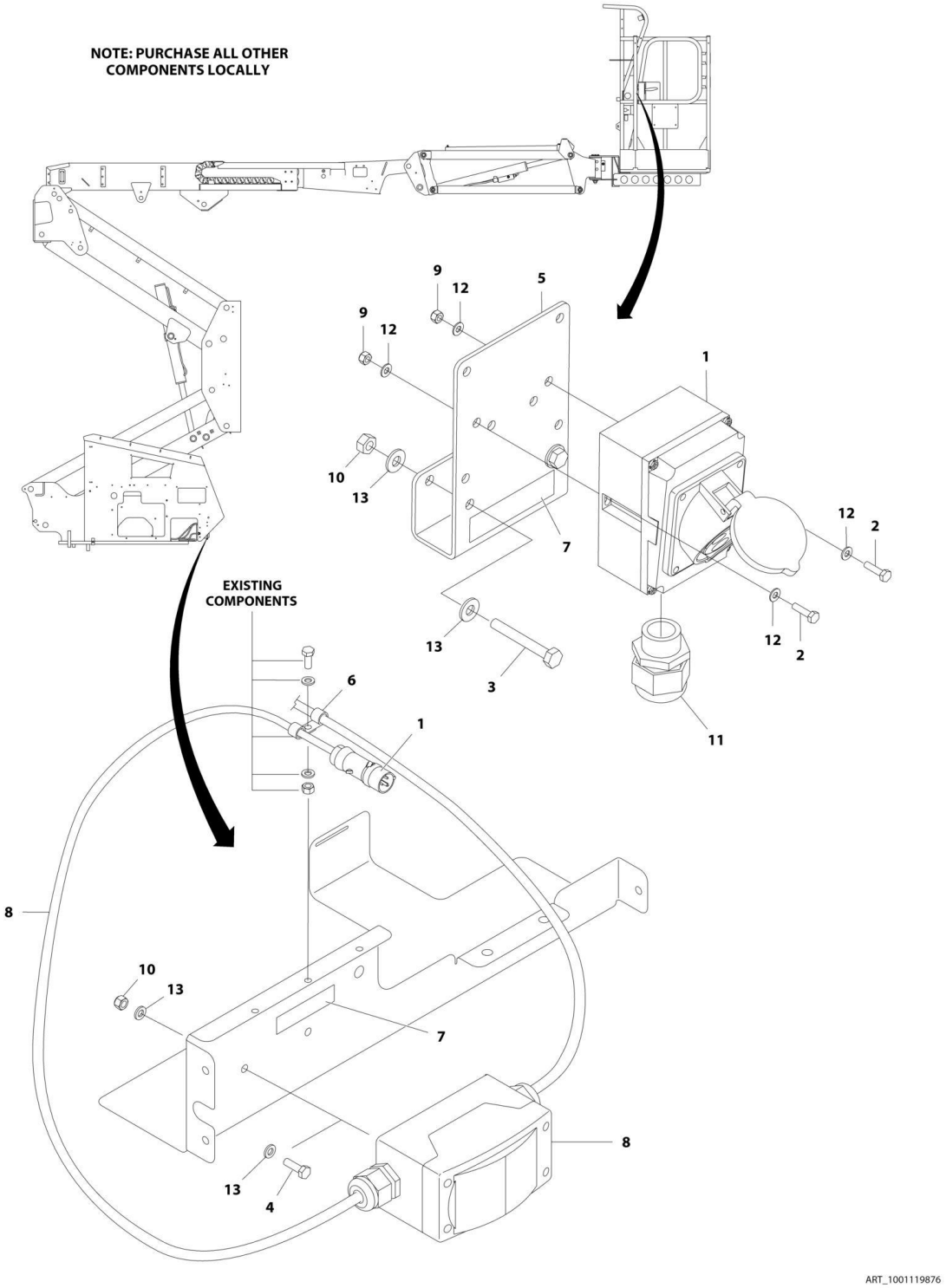


FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE WITHOUT 4000W GENERATOR (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119876	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE WITHOUT 4000W GENERATOR (CE SPEC)	B
1	0275217	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC) for Breakdown)	
2	0700408	2	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
4	0760610	2	Bolt M6 x 20	
5	1001193018	1	Bracket	
6	1320043	1	Clamp	
7	3252507	2	Decal - 220V-50/60Hz	
8	2902549	1	Breaker Box Kit (See BREAKER BOX KIT (CE SPEC) for Breakdown)	
9	3290405	2	Nut M4	
10	3290605	4	Nut M6	
11	4460968	1	Connector, Strain Relief	
12	4811400	4	Washer M4	
13	4811700	8	Washer M6	

FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE WITH 4000W GENERATOR (CE SPECS)

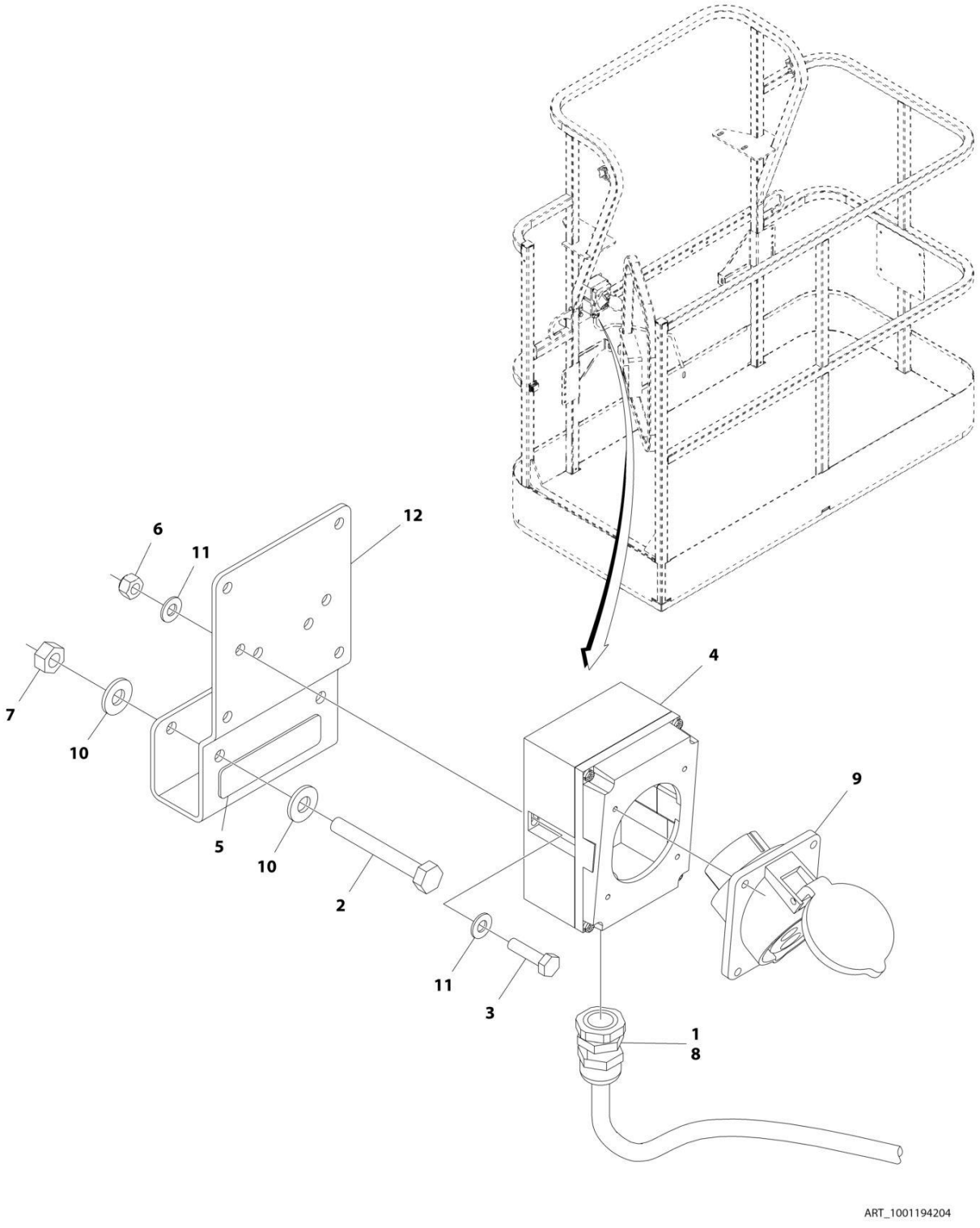


FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE WITH 4000W GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194204	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE WITH 4000W GENERATOR (CE SPECS)	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 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND 70 X 70 BOX (CE SPEC)

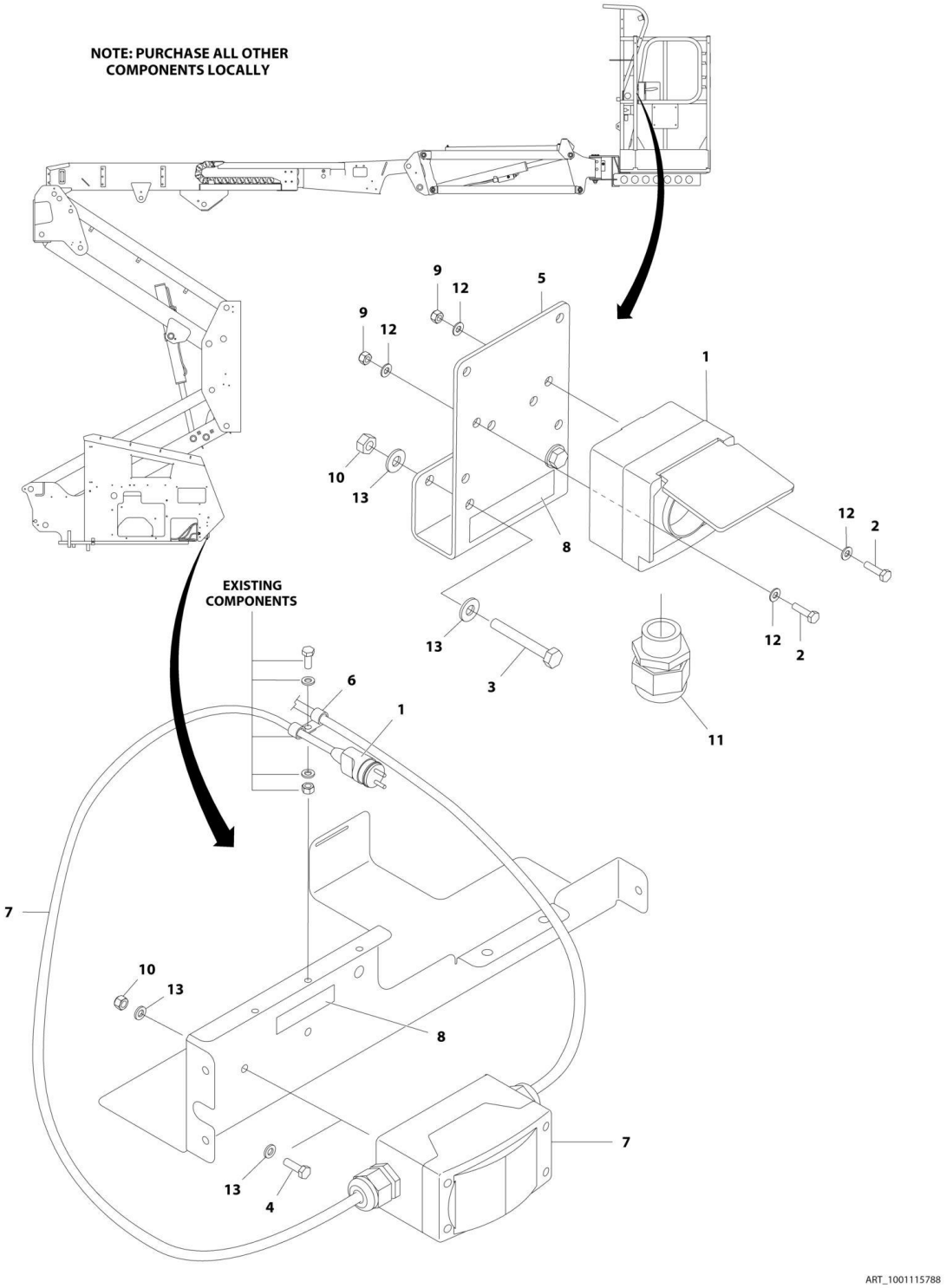


FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND 70 X 70 BOX (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115788	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND 70 X 70 BOX (CE SPEC)	B
1	0275218	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 70 X 70 BOX (CE SPEC) for Breakdown)	
2	0700408	2	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
4	0760610	2	Bolt M6 x 20	
5	1001193018	1	Bracket	
6	1320043	1	Clamp	
7	2902549	1	Breaker Box Kit (See BREAKER BOX KIT (CE SPEC) for Breakdown)	
8	3252507	2	Decal - 220V-50/60Hz	
9	3290405	2	Nut M4	
10	3290605	4	Nut M6	
11	4460968	1	Connector, Strain Relief	
12	4811400	4	Washer M4	
13	4811700	8	Washer M6	

FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND 70 X 70 BOX (CE SPEC)

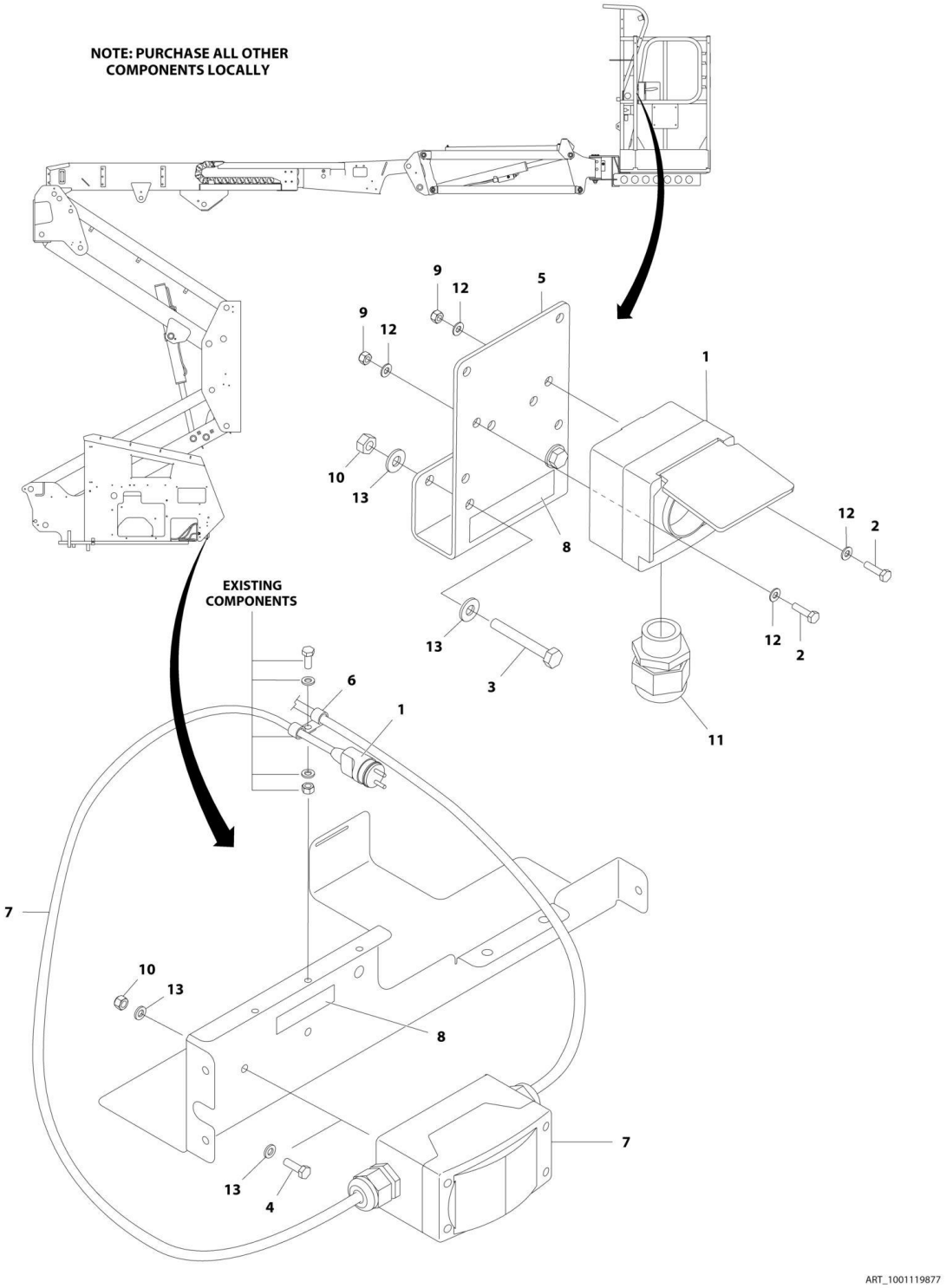


FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND 70 X 70 BOX (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119877	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND 70 X 70 BOX (CE SPEC)	B
1	0275219	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 70 X 70 BOX (CE SPEC) for Breakdown)	
2	0700408	2	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
4	0760610	2	Bolt M6 x 20	
5	1001193018	1	Bracket	
6	1320043	1	Clamp	
7	2902549	1	Breaker Box Kit (See BREAKER BOX KIT (CE SPEC) for Breakdown)	
8	3252507	2	Decal - 220V-50/60Hz	
9	3290405	2	Nut M4	
10	3290605	4	Nut M6	
11	4460968	1	Connector, Strain Relief	
12	4811400	4	Washer M4	
13	4811700	8	Washer M6	

FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND 2 X 4 BOX WITHOUT 4000W GENERATOR (CE SPEC)

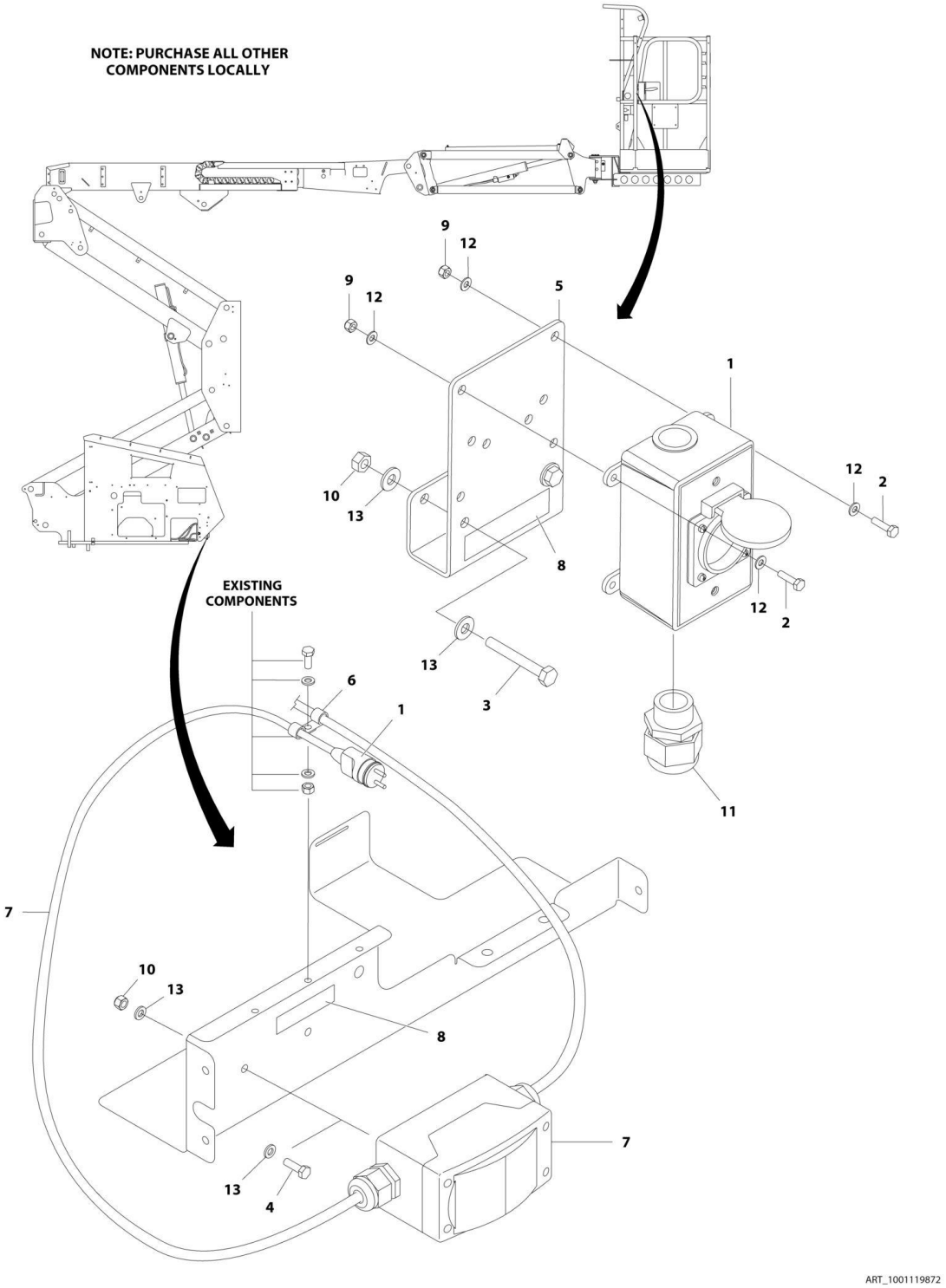


FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND 2 X 4 BOX WITHOUT 4000W GENERATOR (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119872	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND 2 X 4 BOX WITHOUT 4000W GENERATOR (CE SPEC)	C
1	0275452	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2 X 4 BOX (CE SPEC) for Breakdown)	
2	0700408	4	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
4	0760610	2	Bolt M6 x 20	
5	1001193018	1	Bracket	
6	1320043	1	Clamp	
7	2902549	1	Breaker Box Kit (See BREAKER BOX KIT (CE SPEC) for Breakdown)	
8	3252507	2	Decal - 220V-50/60Hz	
9	3290405	4	Nut M4	
10	3290605	4	Nut M6	
11	4460968	1	Connector, Strain Relief **(SN 0300200802 through 0200222942)**	
11	4460662	1	Connector, Strain Relief **(SN 0300222943 through 0300272222, Except SN 0300272191 through 0300272192)**	
12	4811400	8	Washer M4	
13	4811700	8	Washer M6	

FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND 2 X 4 BOX WITH 4000W GENERATOR (CE SPECS)

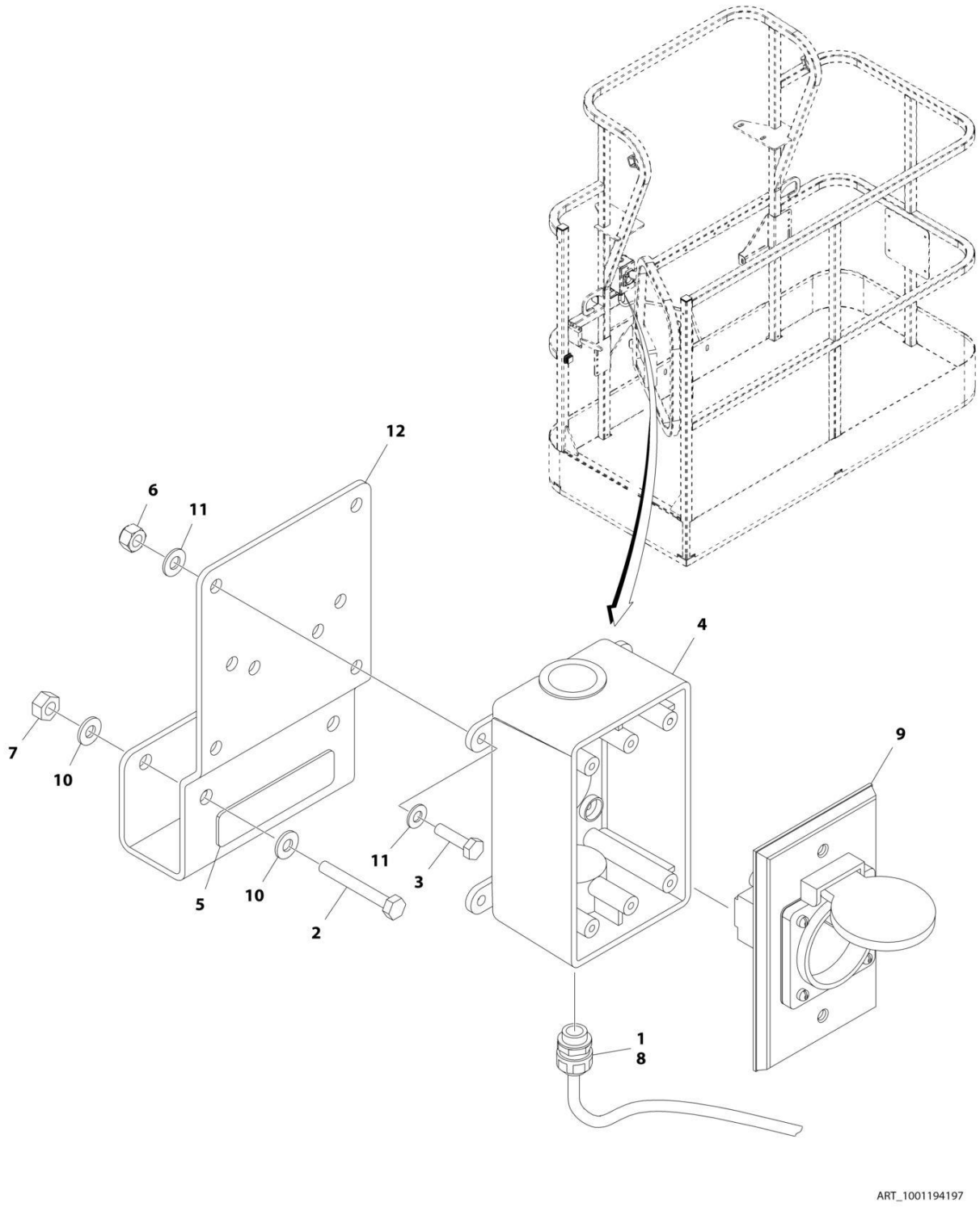


FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND 2 X 4 BOX WITH 4000W GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194197	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND 2 X 4 BOX WITH 4000W GENERATOR (CE SPECS)	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 SIDE GROUND 2 X 4 BOX WITHOUT 4000W GENERATOR (CE SPEC)

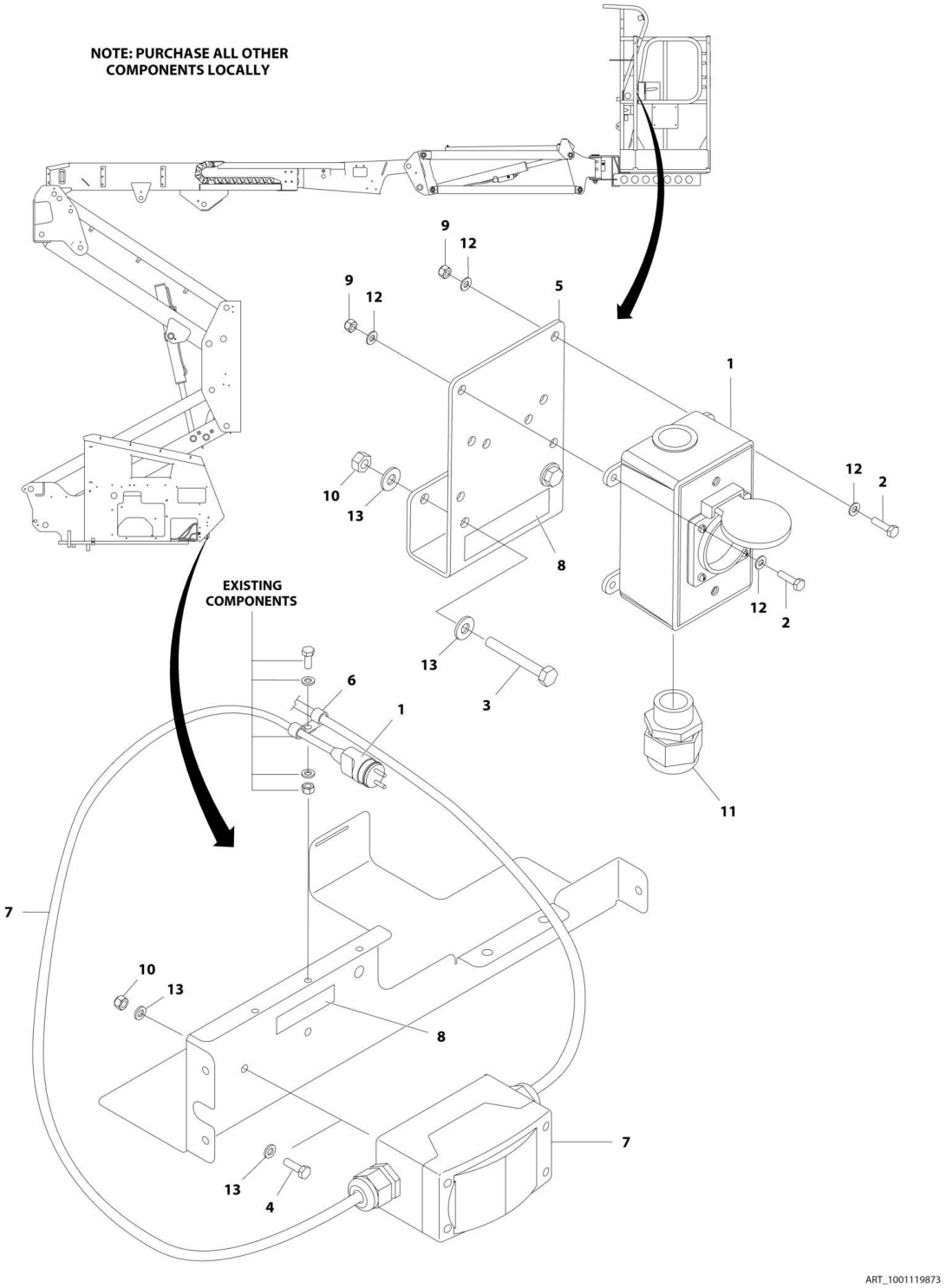


FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND 2 X 4 BOX WITHOUT 4000W GENERATOR (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119873	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND 2 X 4 BOX WITHOUT 4000W GENERATOR (CE SPEC)	B
1	0275453	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2 X 4 BOX (CE SPEC) for Breakdown)	
2	0700408	4	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
4	0760610	2	Bolt M6 x 20	
5	1001193018	1	Bracket	
6	1320043	1	Clamp	
7	2902549	1	Breaker Box Kit (See BREAKER BOX KIT (CE SPEC) for Breakdown)	
8	3252507	2	Decal - 220V-50/60Hz	
9	3290405	4	Nut M4	
10	3290605	4	Nut M6	
11	4460968	1	Connector, Strain Relief	
12	4811400	8	Washer M4	
13	4811700	8	Washer M6	

FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND 2 X 4 BOX WITH 4000W GENERATOR (CE SPECS)

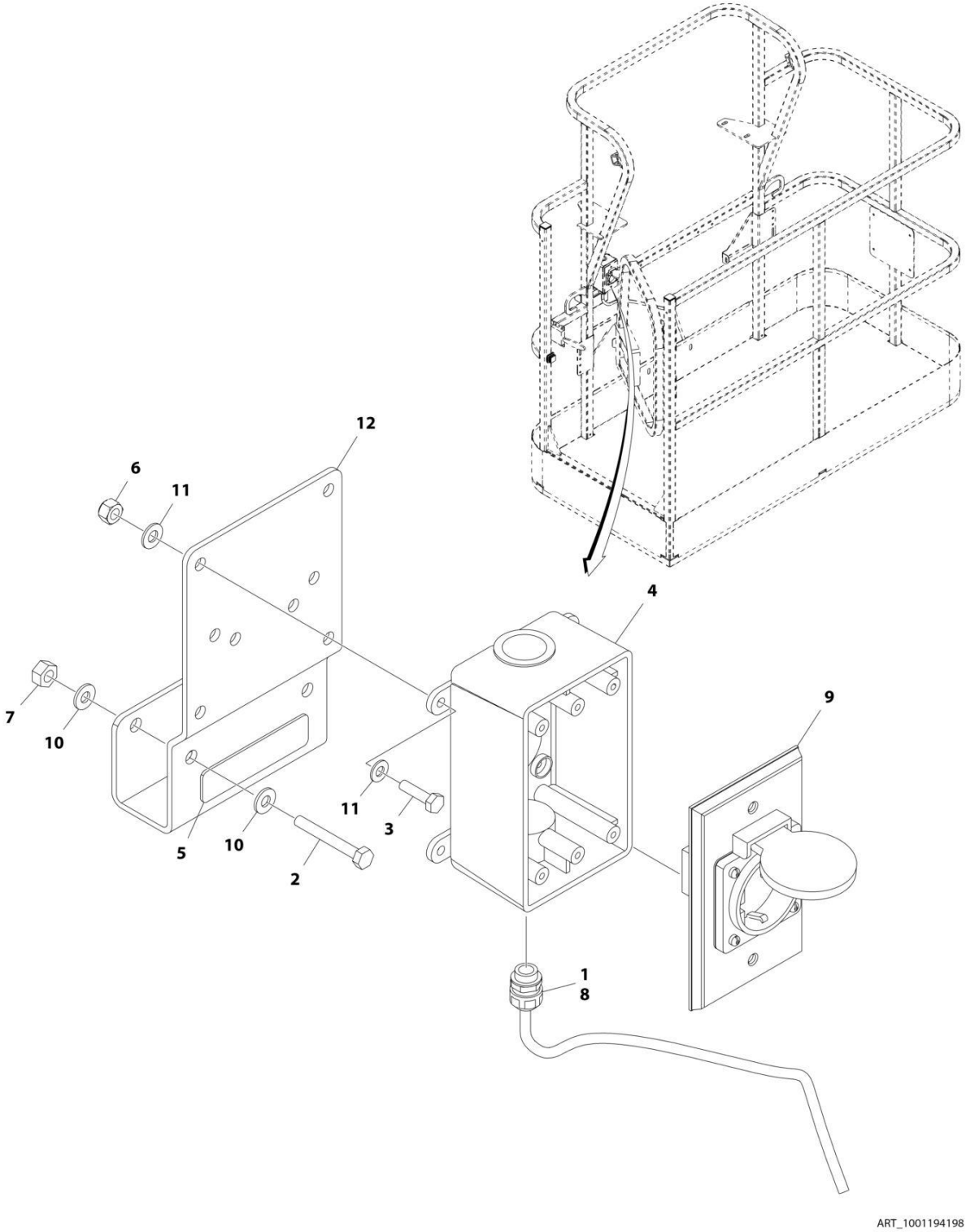


FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND 2 X 4 BOX WITH 4000W GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194198	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND 2 X 4 BOX WITH 4000W GENERATOR (CE SPECS)	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 8-16. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND WITHOUT 4000W GENERATOR (CE SPEC)

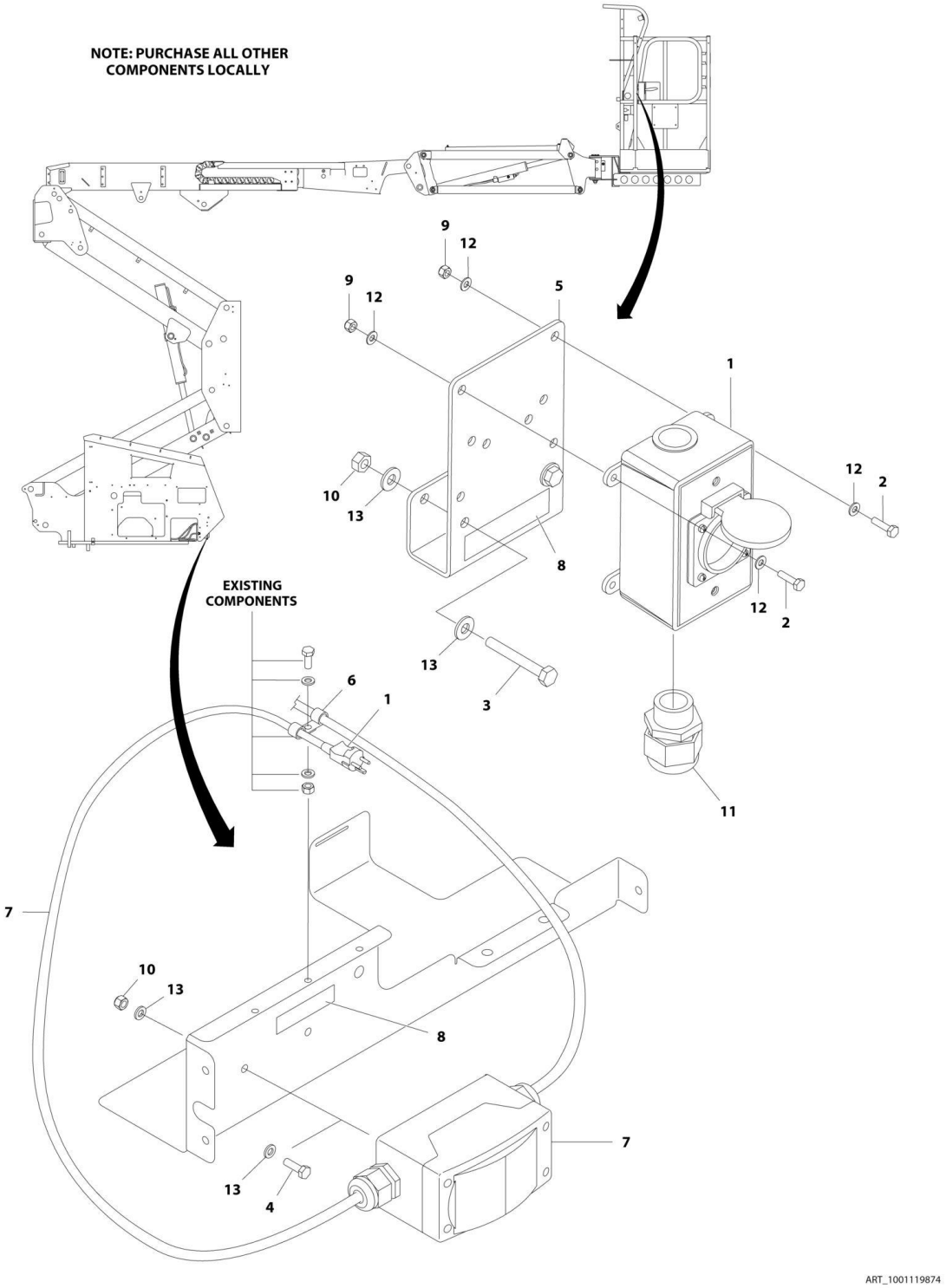


FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND WITHOUT 4000W GENERATOR (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119874	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND WITHOUT 4000W GENERATOR (CE SPEC)	C
1	0275454	1	Receptacle Box Kit (See RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC) for Breakdown)	
2	0700408	4	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
4	0760610	2	Bolt M6 x 20	
5	1001193018	1	Bracket	
6	1320043	1	Clamp	
7	2902549	1	Breaker Box Kit (See BREAKER BOX KIT (CE SPEC) for Breakdown)	
8	3252507	2	Decal - 220V-50/60Hz	
9	3290405	4	Nut M4	
10	3290605	4	Nut M6	
11	4460968	1	Connector, Strain Relief **(SN 0300200802 through 0200222942)**	
11	4460662	1	Connector, Strain Relief **(SN 0300222943 through 0300272222, Except SN 0300272191 through 0300272192)**	
12	4811400	8	Washer M4	
13	4811700	8	Washer M6	

FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND WITH 4000W GENERATOR (CE SPECS)

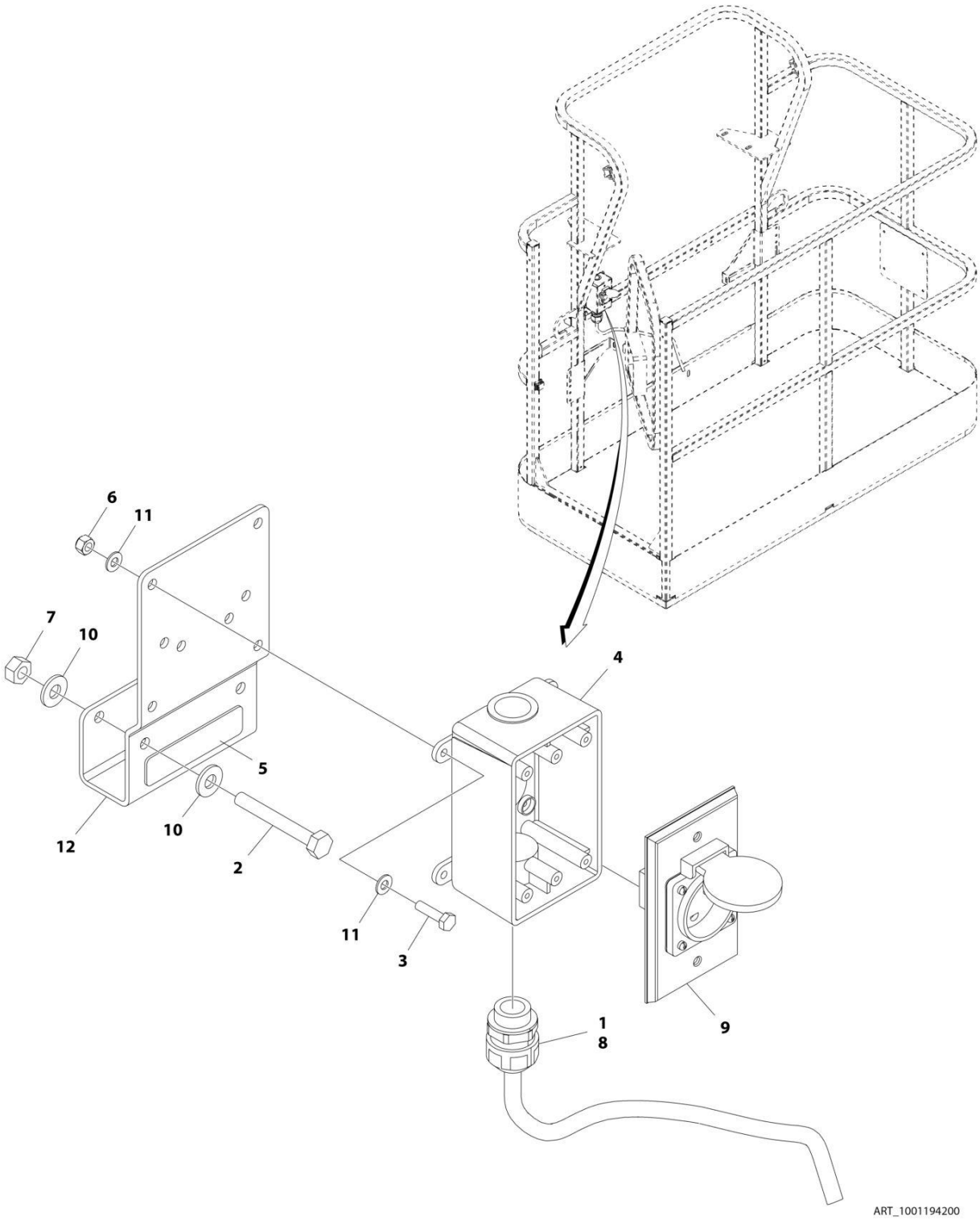


FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND WITH 4000W GENERATOR (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194200	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND WITH 4000W GENERATOR (CE SPECS)	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 8-18. AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER WITH 4000W GENERATOR (ANSI EXPORT, AUSTRALIAN, CHINA AND JAPANESE SPECS)

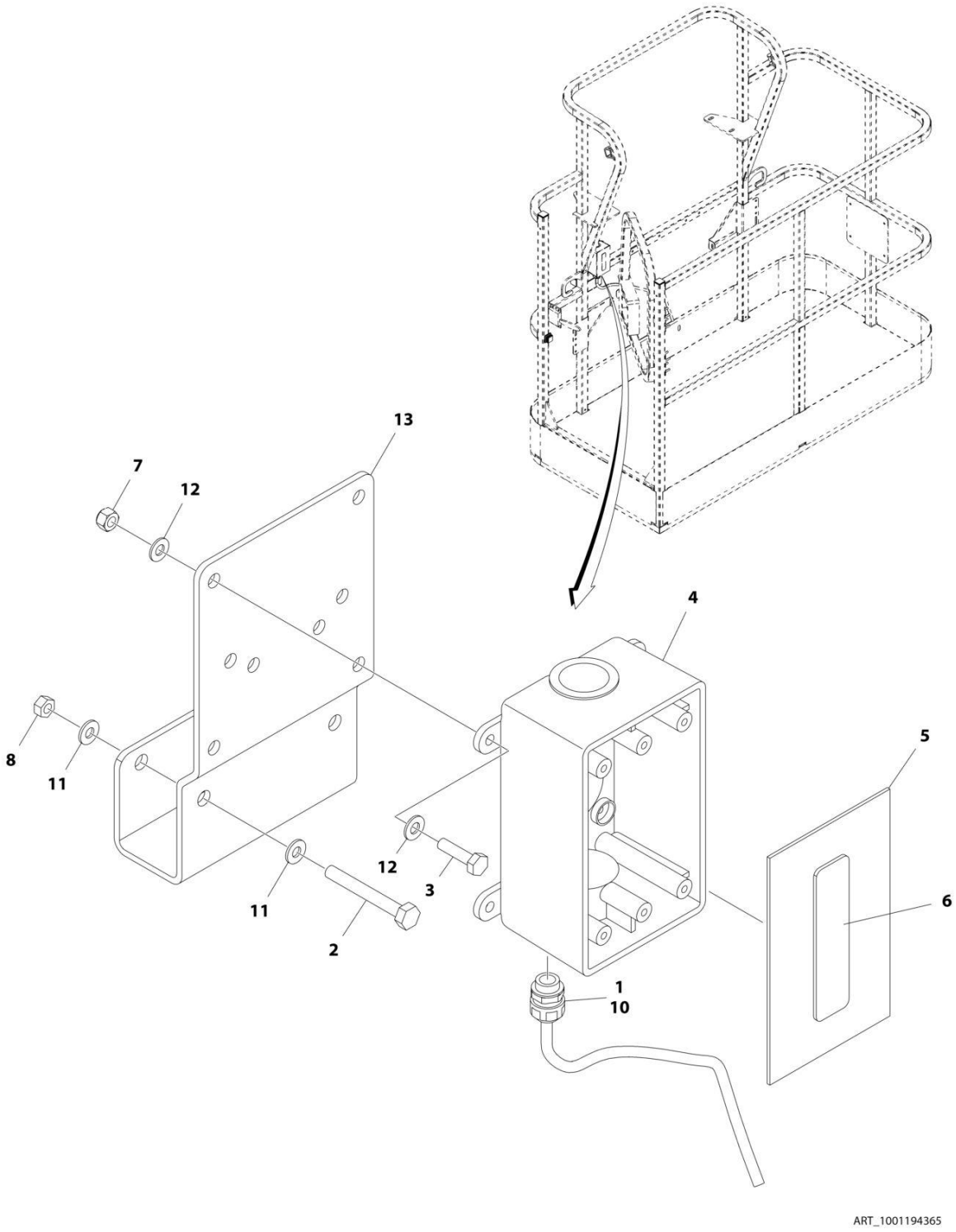


FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER WITH 4000W GENERATOR (ANSI EXPORT, AUSTRALIAN, CHINA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194365	Ref	AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER WITH 4000W GENERATOR (ANSI EXPORT, AUSTRALIAN, CHINA AND JAPANESE 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	4460662	1	Connector, Strain Relief	
11	4711400	4	Washer 1/4	
12	4811400	8	Washer M4	
13	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-19. AC CIRCUIT BREAKER INSTALLATION

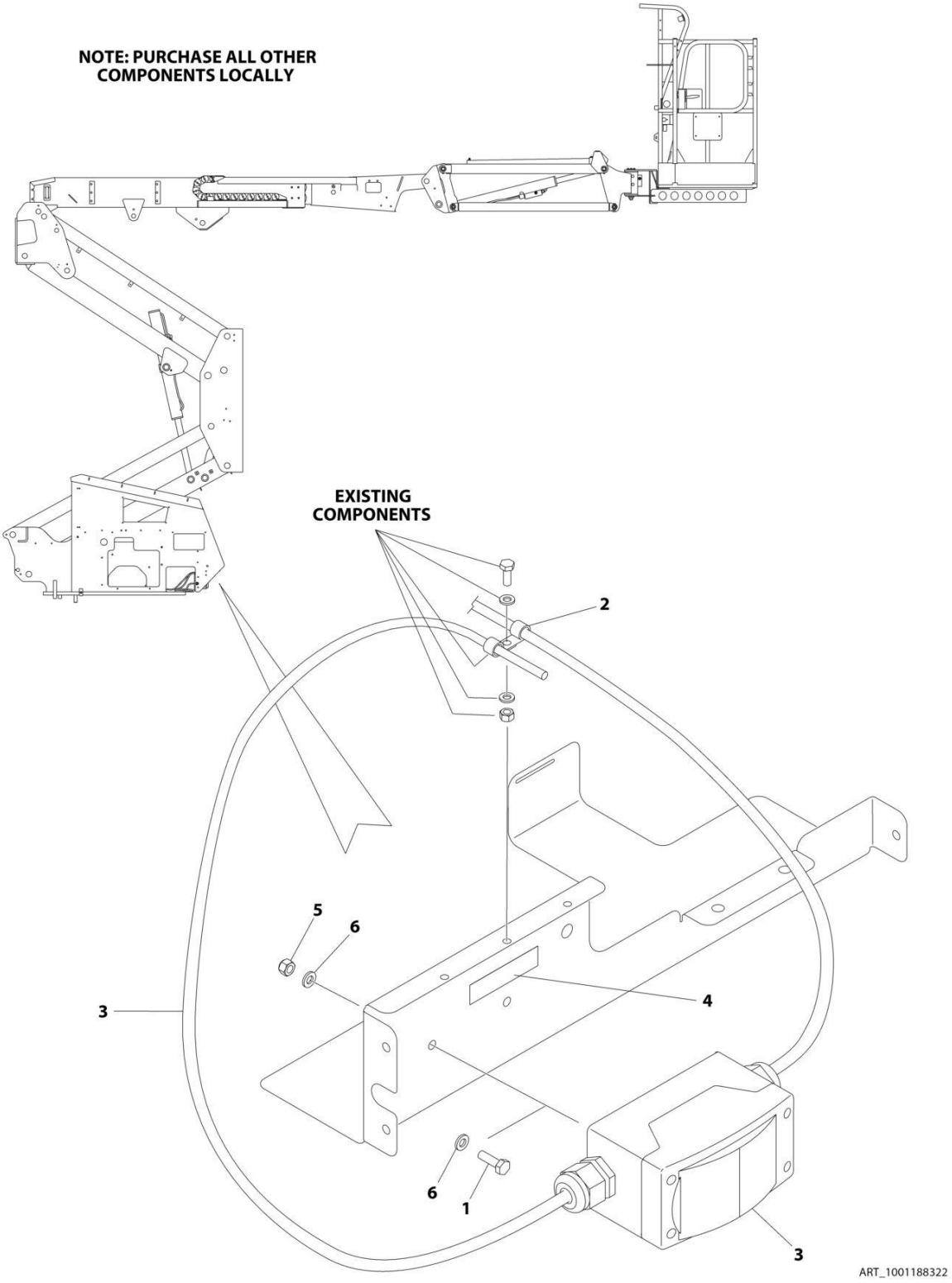
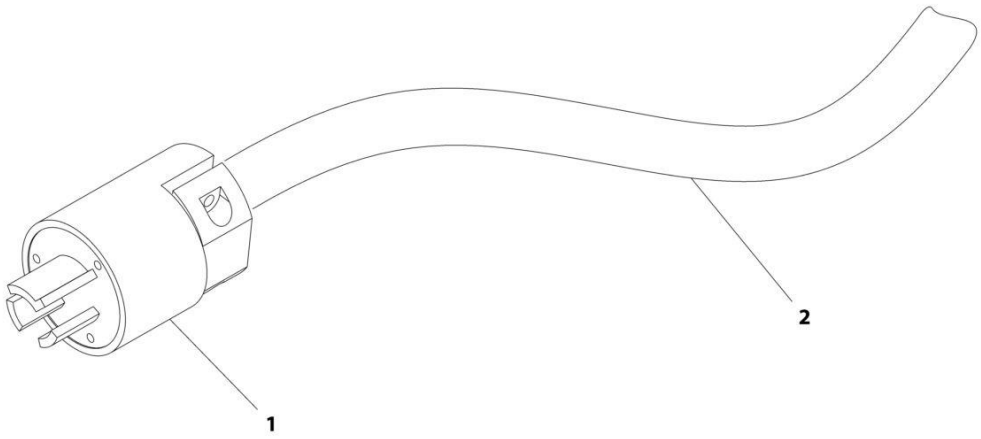


FIGURE 8-19. AC CIRCUIT BREAKER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188322	Ref	AC CIRCUIT BREAKER INSTALLATION	A
1	0760610	2	Bolt M6 x 20	
2	1320043	1	Clamp	
3	2902549	1	Breaker Box Kit (See BREAKER BOX KIT (CE SPEC) for Breakdown)	
4	3252507	1	Decal - 220V-50/60Hz	
5	3290605	2	Nut M6	
6	4811700	4	Washer M6	

FIGURE 8-20. AC POWER TO PLATFORM CABLE - MAIN BOOM (WITHOUT ARCTIC PACKAGE) (50HZ)

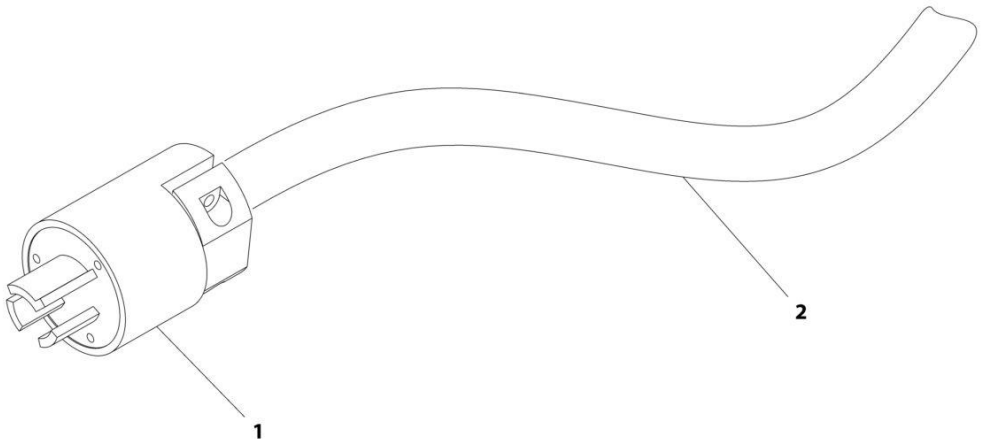


ART_1001119140

FIGURE 8-20. AC POWER TO PLATFORM CABLE - MAIN BOOM (WITHOUT ARCTIC PACKAGE) (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119140	Ref	AC POWER TO PLATFORM CABLE - MAIN BOOM (WITHOUT ARCTIC PACKAGE)	C
1	1001120204	1	Plug, Male	
2	4923505	1	Cable, 14/3	

FIGURE 8-21. AC POWER TO PLATFORM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE) (50HZ)

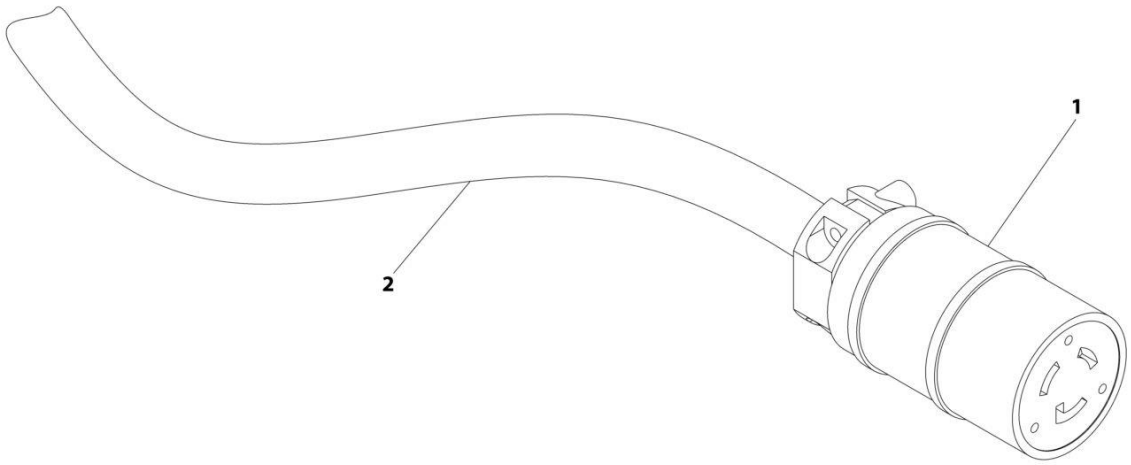


ART_1001119955

FIGURE 8-21. AC POWER TO PLATFORM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE) (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119955	Ref	AC POWER TO PLATFORM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE) (50Hz)	B
1	1001120204	1	Plug, Male	
2	4923463	1	Cable, 12/3	

FIGURE 8-22. AC POWER TO PLATFORM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE) (50HZ)

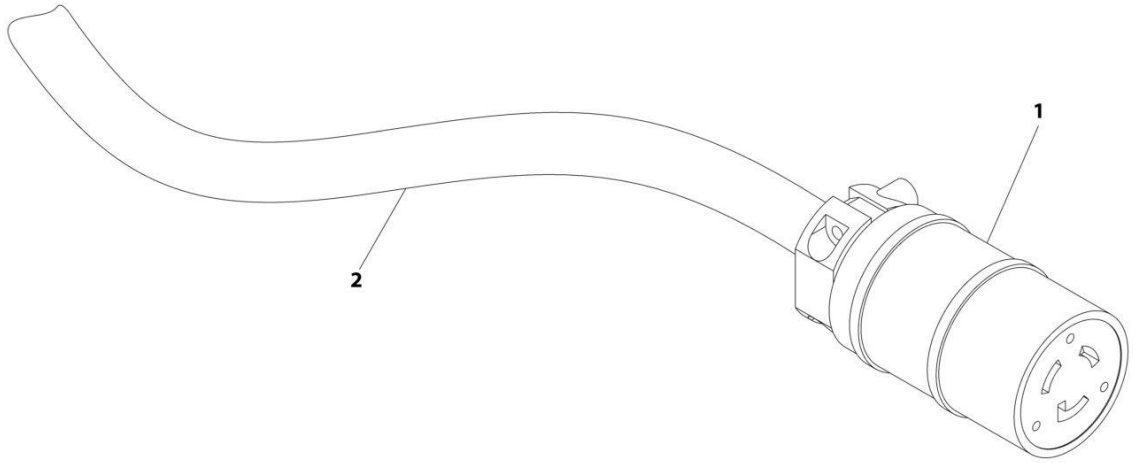


ART_1001119139

FIGURE 8-22. AC POWER TO PLATFORM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE) (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119139	Ref	AC POWER TO PLATFORM CABLE - TOWER BOOM (WITHOUT ARTIC PACKAGE)	B
1	1001120205	1	Connector, Female	
2	4923505	1	Cable, 14/3	

FIGURE 8-23. AC POWER TO PLATFORM CABLE - TOWER BOOM (WITH ARCTIC PACKAGE) (50HZ)



ART_1001119956

FIGURE 8-23. AC POWER TO PLATFORM CABLE - TOWER BOOM (WITH ARCTIC PACKAGE) (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119956	Ref	AC POWER TO PLATFORM CABLE - TOWER BOOM (WITH ARCTIC PACKAGE) (50Hz)	A
1	1001120205	1	Connector, Female	
2	4923463	1	Cable, 12/3	

FIGURE 8-24. AC POWER TO PLATFORM CABLE - MAIN BOOM (60HZ)

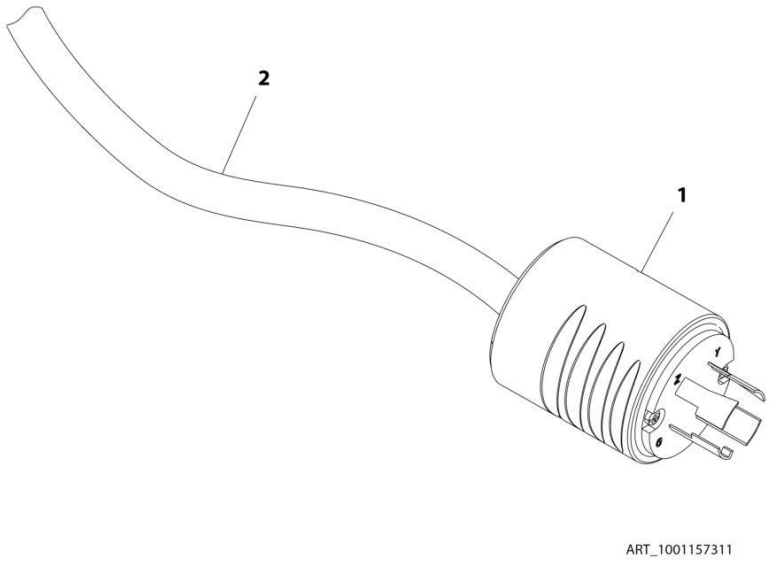


FIGURE 8-24. AC POWER TO PLATFORM CABLE - MAIN BOOM (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157311	Ref	AC POWER TO PLATFORM CABLE - MAIN BOOM (60Hz)	A
1	4460962	1	Terminal	
2	1001131968	22.2 ft /6.8m	Cable, 10/4	

FIGURE 8-25. AC POWER TO PLATFORM CABLE - TOWER BOOM (60HZ)

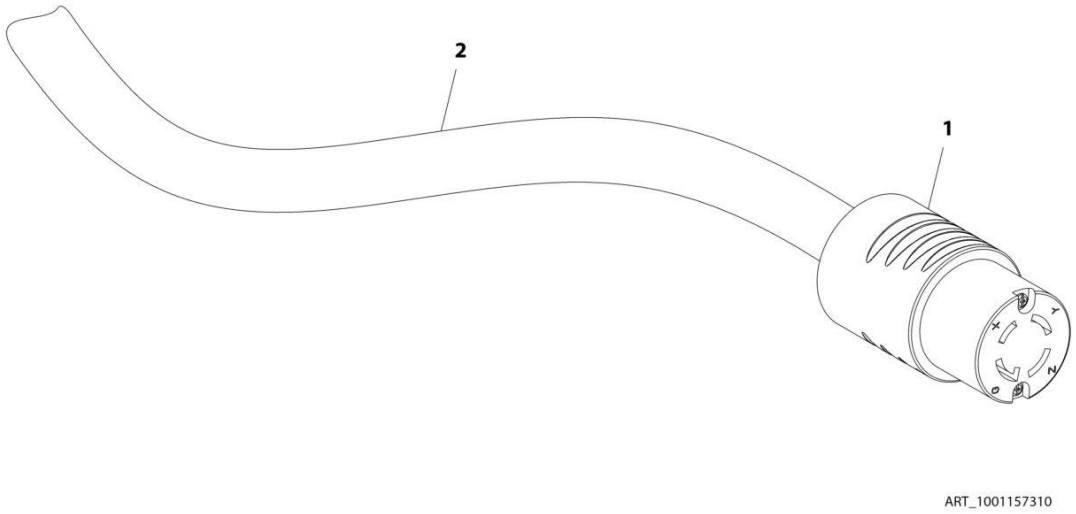


FIGURE 8-25. AC POWER TO PLATFORM CABLE - TOWER BOOM (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157310	Ref	AC POWER TO PLATFORM CABLE - TOWER BOOM (60Hz)	A
1	4460963	1	Terminal	
2	1001131968	29.1 ft /8.9m	Cable, 10/4	

FIGURE 8-26. BOOM CABLES, HARNESSES AND CLAMPS INSTALLATION - WITHOUT ARCTIC PACKAGE

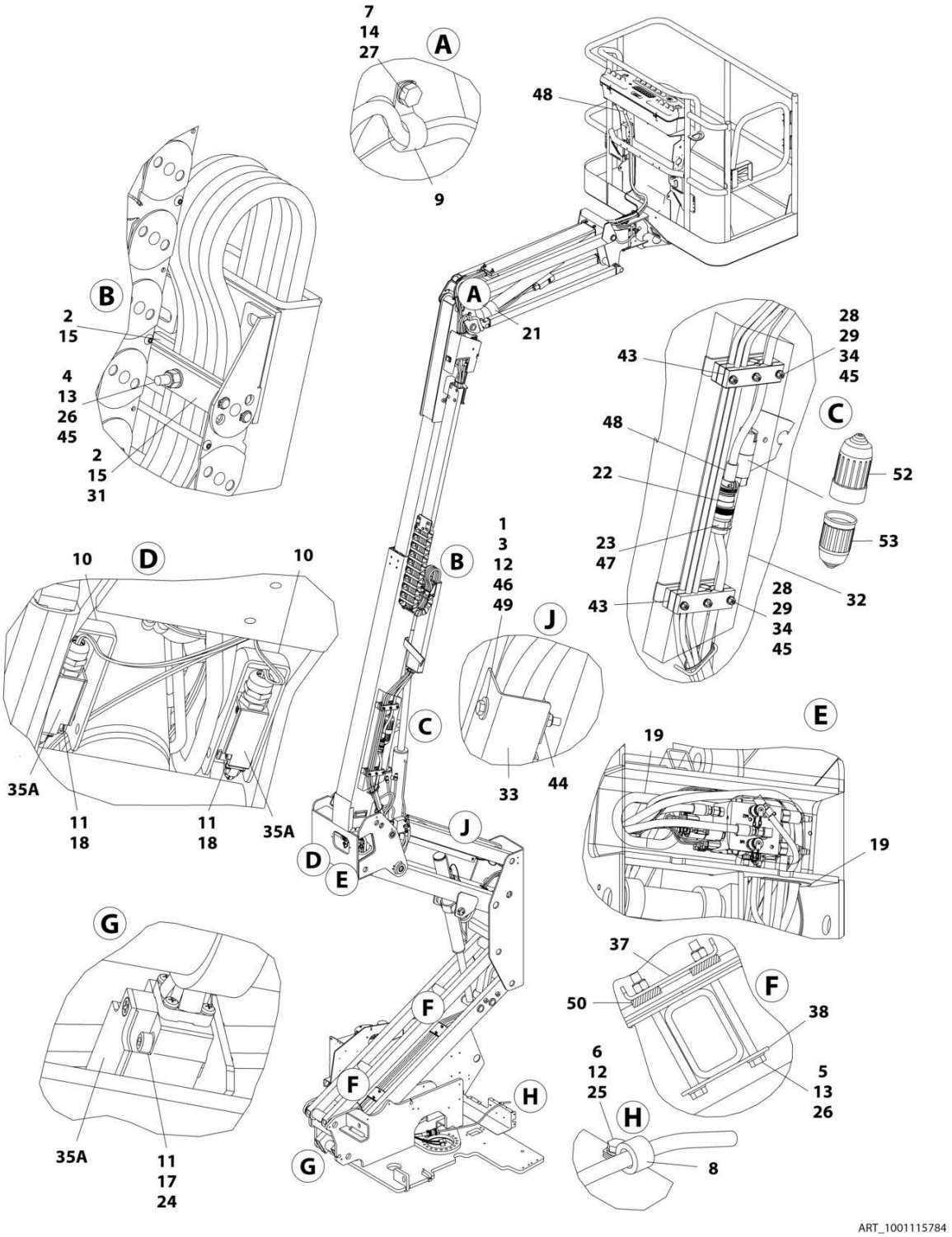


FIGURE 8-26. BOOM CABLES, HARNESSES AND CLAMPS INSTALLATION - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115784	Ref	BOOM CABLES, HARNESSES AND CLAMPS INSTALLATION - WITHOUT ARCTIC PACKAGE	G
1	0100011	AR	Compound, Locking	
2	0100081	1	Adhesive	
3	0760621	4	Bolt M6 x 65	
4	0700820	2	Bolt M8 x 60	
5	0700829	4	Bolt M8 x 120	
6	0760608	1	Bolt M6 x 16 (Not Shown - Use with Item 8)	
7	0761012	1	Bolt M10 x 25	
8	1320043	1	Clamp (Not Shown - Located at Rear of T/T)	
9	1320130	1	Clamp	
10	1670899	2	Cover, Switch	
11	3290405	6	Nut M4	
12	3290605	5	Nut M6	
13	3290805	6	Nut M8	
14	3291005	1	Nut M10	
15	3340939	4	Pad, Rubber	
17	4031510	2	Capscrew M4 x 30	
18	4031512	4	Capscrew M4 x 40	
19	4060808	1.8 ft /55cm	Flex-Trim	
20	4240018	AR	Tie-Strap (Not Shown)	
21	4240156	1	Strap, Cinch	
22	4460865	1	Connector - 19 Position	
23	4460866	1	Connector - 19 Position	
24	4811400	2	Washer M4	
25	4811700	2	Washer M6 (Not Shown - Use with Item 8)	
26	4811900	8	Washer M8	
27	4812000	2	Washer M10	
28	5260800	6	Nut M8	
29	5281920	6	Screw M8 x 80	
31	1001106757	2	Plate	
32	1001107152	1	Plate	
33	1001116433	2	Guard, Hose	
34	1001118274	6	Nut M8	
35	1001118292	1	Tower Boom Harness Assembly (Not Shown - See BOOM HARNESS - LIMIT SWITCHES AND UPRIGHT VALVE for Breakdown)	
35A	4360548	3	Switch, Limit	
37	1001118592	2	Plate, Hose Clamp	
38	1001118593	2	Plate, Hose Clamp	
39	1001119018	1	Ground to Platform Cable - Main (Not Shown - See GROUND TO PLATFORM CABLE - MAIN BOOM (WITHOUT ARCTIC PACKAGE) for Breakdown)	
40	1001119019	1	Ground to Platform Cable - Tower (Not Shown - See GROUND TO PLATFORM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE) for Breakdown)	
41	1001119139	1	AC Power to Platform Cable - Tower Boom (Not Shown - See AC POWER TO PLATFORM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE) (50Hz) for Breakdown)	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001119140	1	AC Power to Platform Cable - Main Boom (Not Shown - See AC POWER TO PLATFORM CABLE - MAIN BOOM (WITHOUT ARCTIC PACKAGE) (50Hz) for Breakdown)	
43	1001119194	2	Clamp	
44	1001119197	4	Clamp	
45	1001119228	8	Nut M8	
46	0760605	2	Bolt M6 x 10	
47	2820031	AR	Heat Shrink	
48	4460473	1	Clamp, Cable	
49	4811702	10	Washer M6	
50	3340901	4	Pad, Rubber	
51	1001140524	1	Main Boom Harness Assembly (Not Shown - See BOOM HARNESS - MAIN for Breakdown)	
52	1671092	1	Cover, Connection	
53	1671093	1	Cover, Plug	

FIGURE 8-27. BOOM CABLES, HARNESSES AND CLAMPS INSTALLATION - WITH ARCTIC PACKAGE

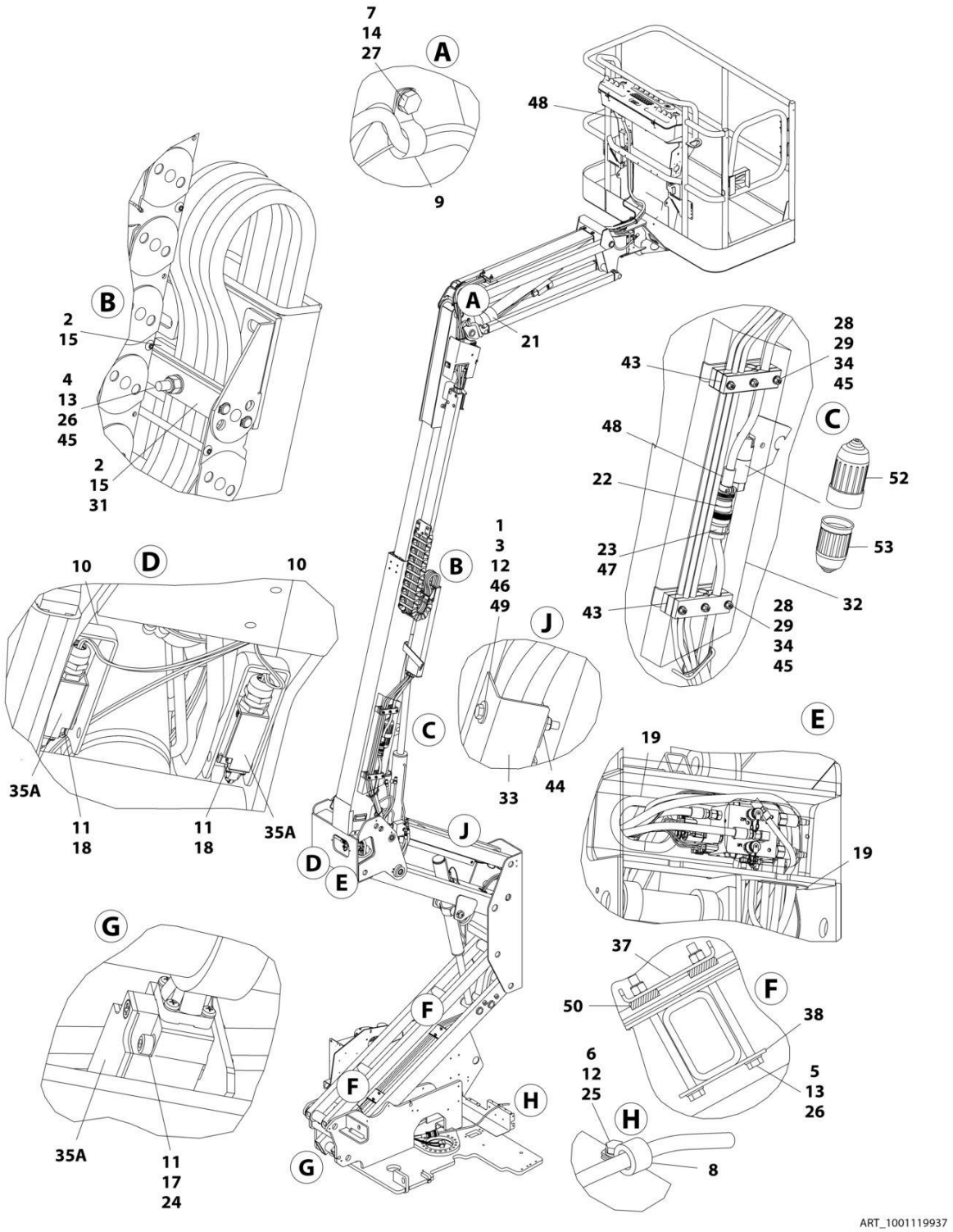


FIGURE 8-27. BOOM CABLES, HARNESSES AND CLAMPS INSTALLATION - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119937	Ref	BOOM CABLES, HARNESSES AND CLAMPS INSTALLATION - WITH ARCTIC PACKAGE	G
1	0100011	AR	Compound, Locking	
2	0100081	1	Adhesive	
3	0760621	4	Bolt M6 x 65	
4	0700820	2	Bolt M8 x 60	
5	0700829	4	Bolt M8 x 120	
6	0760608	1	Bolt M6 x 16 (Not Shown - Use with Item 8)	
7	0761012	1	Bolt M10 x 25	
8	1320041	1	Clamp	
9	1320130	1	Clamp	
10	1670899	2	Cover, Switch	
11	3290405	6	Nut M4	
12	3290605	5	Nut M6	
13	3290805	6	Nut M8	
14	3291005	1	Nut M10	
15	3340939	4	Pad, Rubber	
17	4031510	2	Capscrew M4 x 30	
18	4031512	4	Capscrew M4 x 40	
19	4060808	1.8 ft /55cm	Flex-Trim	
20	4240018	AR	Tie-Strap (Not Shown)	
21	4240156	1	Strap, Cinch	
22	4460865	1	Connector - 19 Position	
23	4460866	1	Connector - 19 Position	
24	4811400	2	Washer M4	
25	4811700	2	Washer M6 (Not Shown - Use with Item 8)	
26	4811900	8	Washer M8	
27	4812000	2	Washer M10	
28	5260800	6	Nut M8	
29	5281920	6	Screw M8 x 80	
31	1001106757	2	Plate	
32	1001107152	1	Plate	
33	1001116433	2	Guard, Hose	
34	1001118274	6	Nut M8	
35	1001118292	1	Tower Boom Harness Assembly (Not Shown - See BOOM HARNESS - LIMIT SWITCHES AND UPRIGHT VALVE for Breakdown)	
35A	4360548	3	Switch, Limit	
37	1001118592	2	Plate, Hose Clamp	
38	1001118593	2	Plate, Hose Clamp	
39	1001119953	1	Ground to Platform Cable - Main (Not Shown - See GROUND TO PLATFORM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE) for Breakdown)	
40	1001119954	1	Ground to Platform Cable - Tower (Not Shown - See GROUND TO PLATFORM CABLE - TOWER BOOM (WITH ARCTIC PACKAGE) for Breakdown)	
41	1001119955	1	AC Power to Platform Cable - Main Boom (Not Shown - See AC POWER TO PLATFORM CABLE - MAIN BOOM (WITH ARTIC PACKAGE) (50Hz) for Breakdown)	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001119956	1	AC Power to Platform Cable - Tower Boom (Not Shown - See AC POWER TO PLATFORM CABLE - TOWER BOOM (WITH ARTIC PACKAGE) (50Hz) for Breakdown)	
43	1001119195	2	Clamp	
44	1001119197	4	Clamp	
45	1001119228	8	Nut M8	
46	0760605	2	Bolt M6 x 10	
47	2820031	AR	Heat Shrink	
48	4460473	1	Clamp, Cable	
49	4811702	10	Washer M6	
50	3340901	4	Pad, Rubber	
51	1001140524	1	Main Boom Harness Assembly (Not Shown - See BOOM HARNESS - MAIN for Breakdown)	
52	1671092	1	Cover, Connection	
53	1671093	1	Cover, Plug	

FIGURE 8-28. BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 50HZ - WITHOUT ARCTIC PACKAGE

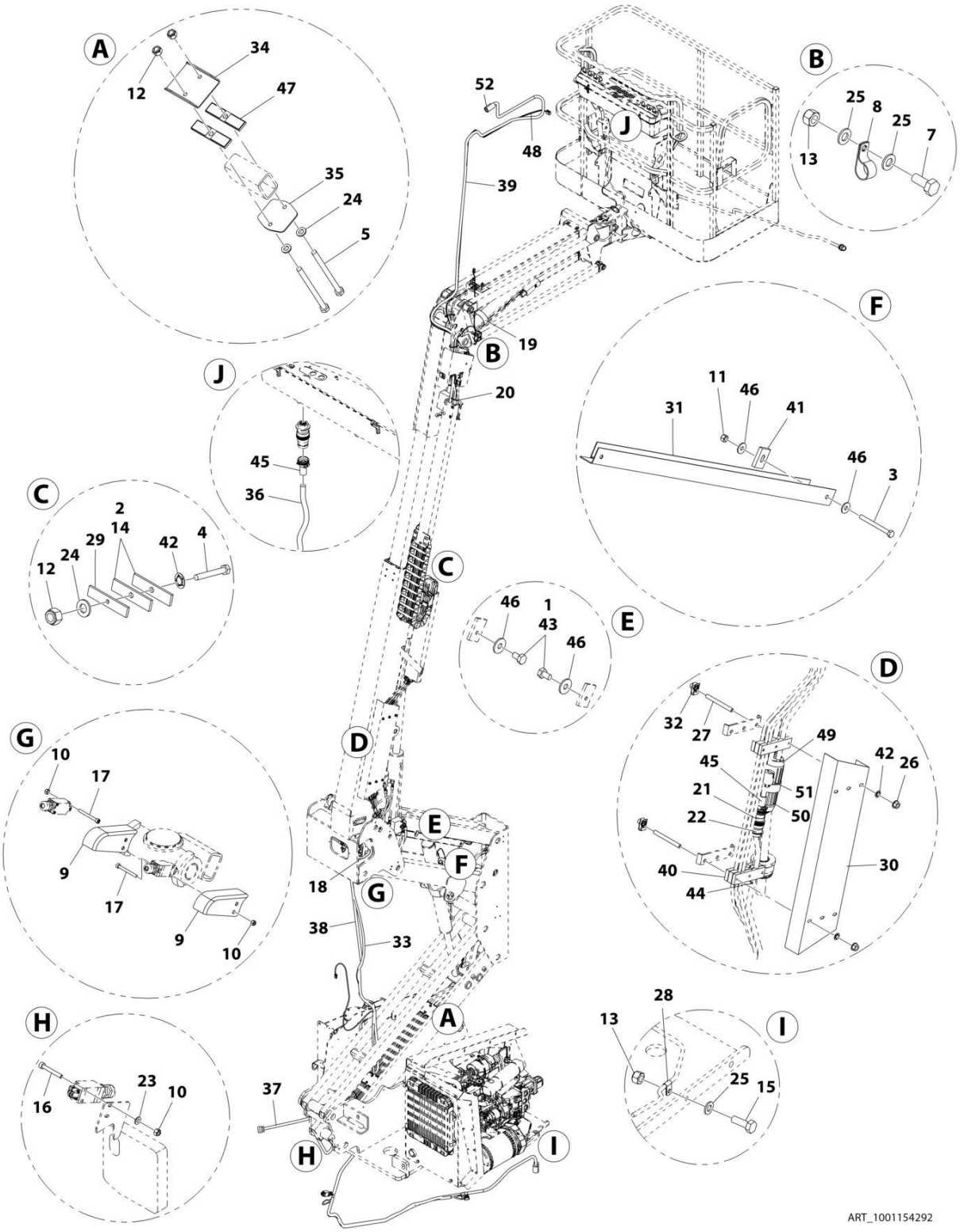


FIGURE 8-28. BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 50HZ - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154292	Ref	BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 50HZ - WITHOUT ARCTIC PACKAGE	B
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0760621	4	Bolt M6 x 65	
4	0700820	2	Bolt M8 x 60	
5	0700829	4	Bolt M8 x 120	
7	0761012	1	Bolt M10 x 25	
8	1320130	1	Clamp	
9	1670899	2	Cover, Switch	
10	3290405	6	Nut M4	
11	3290605	4	Nut M6	
12	3290805	6	Nut M8	
13	3291005	2	Nut M10	
14	3340939	4	Pad, Rubber	
15	0761014	1	Bolt M10 x 30	
16	4031510	2	Capscrew M4 x 30	
17	4031512	4	Capscrew M4 x 40	
18	4060808	1.8 ft /55cm	Flex-Trim	
19	4240156	1	Strap, Cinch	
20	4240018	AR	Tie-Strap	
21	4460865	1	Connector - 19 Position	
22	4460866	1	Connector - 19 Position	
23	4811400	2	Washer M4	
24	4811900	8	Washer M8	
25	4812000	4	Washer M10	
26	5260800	6	Nut M8 Class 10	
27	5281920	6	Capscrew, Cup Point M8 x 80	
28	1320263	1	Clamp	
29	1001106757	2	Plate, Clamp	
30	1001107152	1	Plate, Shield	
31	1001116433	2	Guard, Hose	
32	1001118274	6	Nut M8	
33	1001118292	1	Harness, Tower Boom (See BOOM HARNESS - LIMIT SWITCHES AND UPRIGHT VALVE for Breakdown)	
34	1001118592	2	Plate, Hose Clamp	
35	1001118593	2	Plate, Hose Clamp	
36	1001119018	1	Harness Assembly - Main Boom (See GROUND TO PLATFORM CABLE - MAIN BOOM (WITHOUT ARCTIC PACKAGE) for Breakdown)	
37	1001119019	1	Harness Assembly - Tower Boom (See GROUND TO PLATFORM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE) for Breakdown)	
38	1001119139	1	Cable, AC Tower Boom (See AC POWER TO PLATFORM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE) (50Hz) for Breakdown)	
39	1001119140	1	Cable, AC Main Boom (see AC POWER TO PLATFORM CABLE - MAIN BOOM (WITHOUT ARCTIC PACKAGE) (50Hz) for Breakdown)	
40	1001119194	2	Plate, Hose Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	1001119197	4	Clamp, Hose	
42	1001119228	8	Pushnut M8	
43	0760605	2	Bolt M6 x 10	
44	2820031	AR	Heat Shrink	
45	4460473	1	Clamp, Cable	
46	4811702	10	Washer M6	
47	3340901	4	Pad, Rubber	
48	1001140524	1	Main Boom Harness Assembly (Not Shown - See BOOM HARNESS - MAIN for Breakdown)	
49	1671092	1	Cover, Connector	
50	1671093	1	Cover, Plug	
51	4460709	1	Plug, Male - 250V	
52	4460710	1	Receptacle, Female - 250V	

FIGURE 8-29. BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 50HZ - WITH ARCTIC PACKAGE

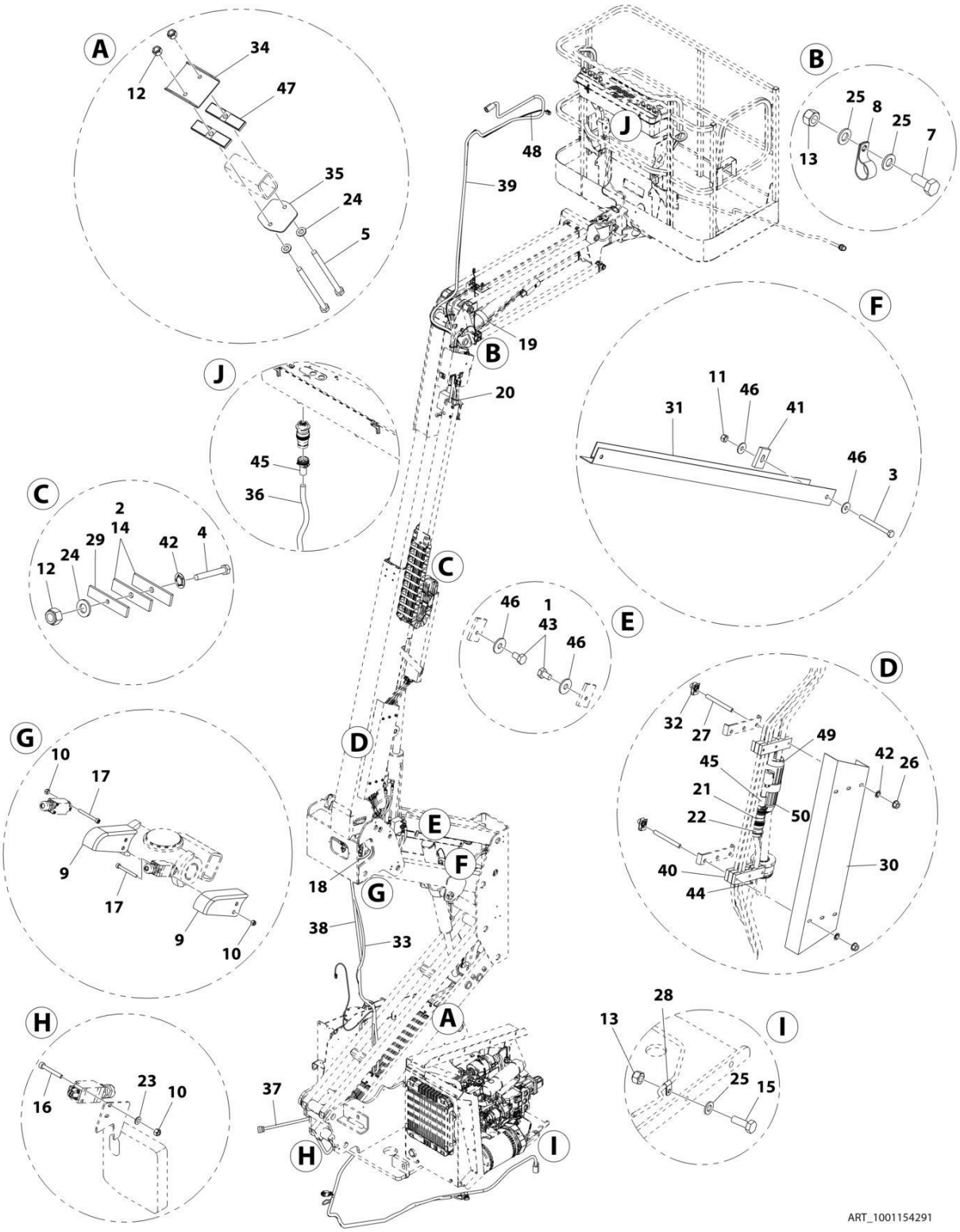


FIGURE 8-29. BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 50HZ - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154291	Ref	BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 50HZ - WITH ARCTIC PACKAGE	B
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0760621	4	Bolt M6 x 65	
4	0700820	2	Bolt M8 x 60	
5	0700829	4	Bolt M8 x 120	
7	0761012	1	Bolt M10 x 25	
8	1320130	1	Clamp	
9	1670899	2	Cover, Switch	
10	3290405	6	Nut M4	
11	3290605	4	Nut M6	
12	3290805	6	Nut M8	
13	3291005	2	Nut M10	
14	3340939	4	Pad, Rubber	
15	0761014	1	Bolt M10 x 30	
16	4031510	2	Capscrew M4 x 30	
17	4031512	4	Capscrew M4 x 40	
18	4060808	1.8 ft /55cm	Flex-Trim	
19	4240156	1	Strap, Cinch	
20	4240018	AR	Tie-Strap	
21	4460865	1	Connector - 19 Position	
22	4460866	1	Connector - 19 Position	
23	4811400	2	Washer M4	
24	4811900	8	Washer M8	
25	4812000	4	Washer M10	
26	5260800	6	Nut M8 Class 10	
27	5281920	6	Capscrew, Cup Point M8 x 80	
28	1320263	1	Clamp	
29	1001106757	2	Plate, Clamp	
30	1001107152	1	Plate, Shield	
31	1001116433	2	Guard, Hose	
32	1001118274	6	Nut M8	
33	1001118292	1	Harness, Tower Boom (See BOOM HARNESS - LIMIT SWITCHES AND UPRIGHT VALVE for Breakdown)	
34	1001118592	2	Plate, Hose Clamp	
35	1001118593	2	Plate, Hose Clamp	
36	1001119953	1	Harness Assembly - Main Boom (See GROUND TO PLATFORM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE) for Breakdown)	
37	1001119954	1	Harness Assembly - Tower Boom (See GROUND TO PLATFORM CABLE - TOWER BOOM (WITH ARCTIC PACKAGE) for Breakdown)	
38	1001119956	1	Cable, AC Tower Boom (See AC POWER TO PLATFORM CABLE - TOWER BOOM (WITH ARCTIC PACKAGE) (50Hz) for Breakdown)	
39	1001119955	1	Cable, AC Main Boom (See AC POWER TO PLATFORM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE) (50Hz) for Breakdown)	
40	1001119195	2	Plate, Hose Clamp	
41	1001119197	4	Clamp, Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001119228	8	Pushnut M8	
43	0760605	2	Bolt M6 x 10	
44	2820031	AR	Heat Shrink	
45	4460473	1	Clamp, Cable	
46	4811702	10	Washer M6	
47	3340901	4	Pad, Rubber	
48	1001140524	1	Main Boom Harness Assembly (Not Shown - See BOOM HARNESS - MAIN for Breakdown)	
49	1001156351	1	Cover, Connector	
50	1001156352	1	Cover, Plug	

FIGURE 8-30. BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 60HZ - WITHOUT ARCTIC PACKAGE

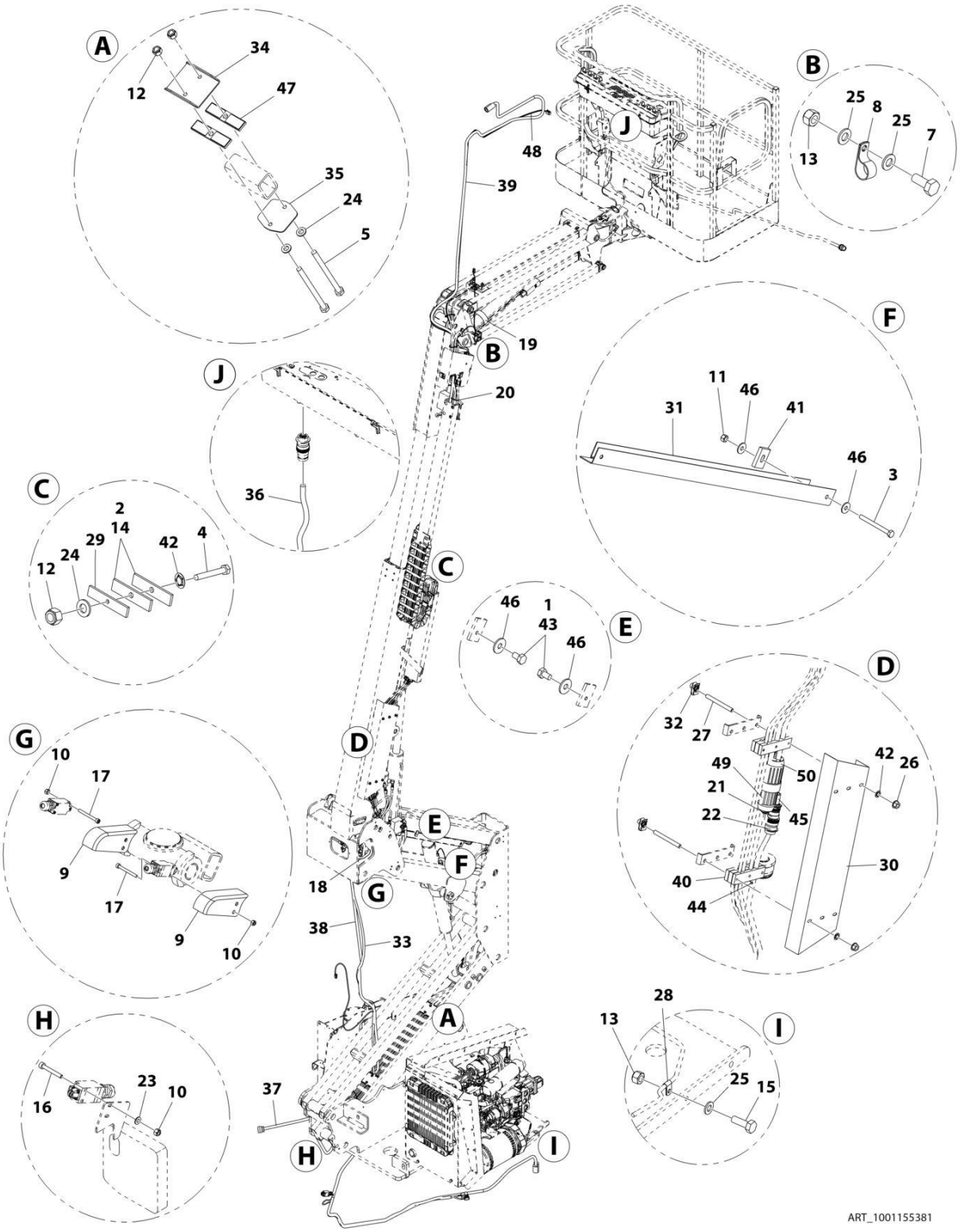
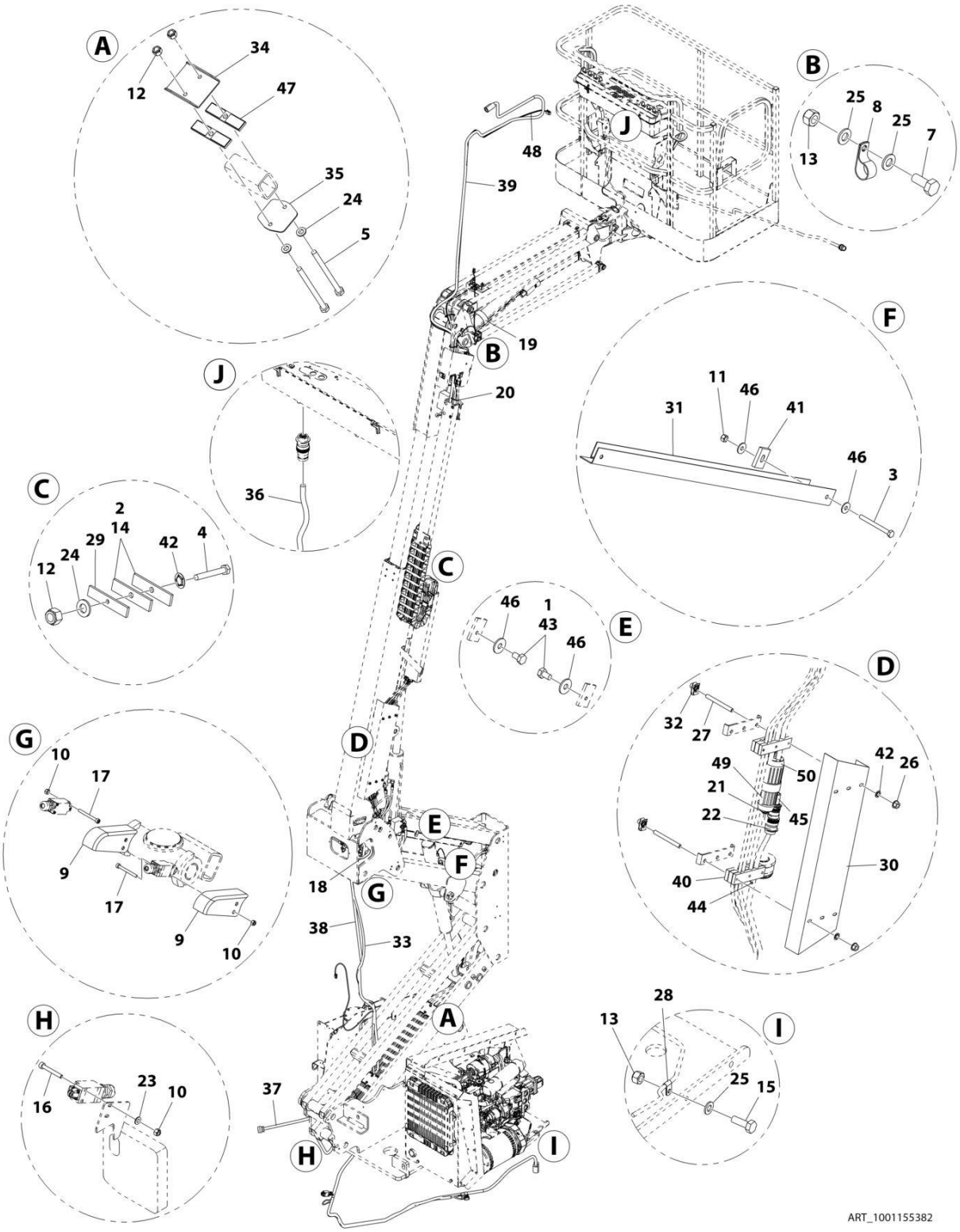


FIGURE 8-30. BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 60HZ - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155381	Ref	BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 60HZ - WITHOUT ARCTIC PACKAGE	B
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0760621	4	Bolt M6 x 65	
4	0700820	2	Bolt M8 x 60	
5	0700829	4	Bolt M8 x 120	
7	0761012	1	Bolt M10 x 25	
8	1320130	1	Clamp	
9	1670899	2	Cover, Switch	
10	3290405	6	Nut M4	
11	3290605	4	Nut M6	
12	3290805	6	Nut M8	
13	3291005	2	Nut M10	
14	3340939	4	Pad, Rubber	
15	0761014	1	Bolt M10 x 30	
16	4031510	2	Capscrew M4 x 30	
17	4031512	4	Capscrew M4 x 40	
18	4060808	1.8 ft /55cm	Flex-Trim	
19	4240156	1	Strap, Cinch	
20	4240018	AR	Tie-Strap	
21	4460865	1	Connector - 19 Position	
22	4460866	1	Connector - 19 Position	
23	4811400	2	Washer M4	
24	4811900	8	Washer M8	
25	4812000	4	Washer M10	
26	5260800	6	Nut M8 Class 10	
27	5281920	6	Capscrew, Cup Point M8 x 80	
28	8406110	1	Clamp	
29	1001106757	2	Plate, Clamp	
30	1001107152	1	Plate, Shield	
31	1001116433	2	Guard, Hose	
32	1001118274	6	Nut M8	
33	1001118292	1	Harness, Tower Boom (See BOOM HARNESS - LIMIT SWITCHES AND UPRIGHT VALVE for Breakdown)	
34	1001118592	2	Plate, Hose Clamp	
35	1001118593	2	Plate, Hose Clamp	
36	1001119018	1	Harness Assembly - Main Boom (See GROUND TO PLATFORM CABLE - MAIN BOOM (WITHOUT ARCTIC PACKAGE) for Breakdown)	
37	1001119019	1	Harness Assembly - Tower Boom (See GROUND TO PLATFORM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE) for Breakdown)	
38	1001157310	1	Cable, AC Tower Boom	
39	1001157311	1	Cable, AC Main Boom	
40	1001119194	2	Plate, Hose Clamp	
41	1001119197	4	Clamp, Hose	
42	1001119228	8	Pushnut M8	
43	0760605	2	Bolt M6 x 10	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	2820031	AR	Heat Shrink	
45	4460473	1	Clamp, Cable	
46	4811702	10	Washer M6	
47	3340901	4	Pad, Rubber	
48	1001140524	1	Main Boom Harness Assembly (Not Shown - See BOOM HARNESS - MAIN for Breakdown)	
49	1671092	1	Cover, Connector	
50	1671093	1	Cover, Plug	

FIGURE 8-31. BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 60HZ - WITH ARCTIC PACKAGE



ART_1001155382

FIGURE 8-31. BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 60HZ - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155382	Ref	BOOM CABLES AND CLAMPS INSTALLATION - 4000W, 60HZ - WITH ARCTIC PACKAGE	B
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0760621	4	Bolt M6 x 65	
4	0700820	2	Bolt M8 x 60	
5	0700829	4	Bolt M8 x 120	
7	0761012	1	Bolt M10 x 25	
8	1320130	1	Clamp	
9	1670899	2	Cover, Switch	
10	3290405	6	Nut M4	
11	3290605	4	Nut M6	
12	3290805	6	Nut M8	
13	3291005	2	Nut M10	
14	3340939	4	Pad, Rubber	
15	0761014	1	Bolt M10 x 30	
16	4031510	2	Capscrew M4 x 30	
17	4031512	4	Capscrew M4 x 40	
18	4060808	1.8 ft /55cm	Flex-Trim	
19	4240156	1	Strap, Cinch	
20	4240018	AR	Tie-Strap	
21	4460865	1	Connector - 19 Position	
22	4460866	1	Connector - 19 Position	
23	4811400	2	Washer M4	
24	4811900	8	Washer M8	
25	4812000	4	Washer M10	
26	5260800	6	Nut M8 Class 10	
27	5281920	6	Capscrew, Cup Point M8 x 80	
28	8406110	1	Clamp	
29	1001106757	2	Plate, Clamp	
30	1001107152	1	Plate, Shield	
31	1001116433	2	Guard, Hose	
32	1001118274	6	Nut M8	
33	1001118292	1	Harness, Tower Boom (See BOOM HARNESS - LIMIT SWITCHES AND UPRIGHT VALVE for Breakdown)	
34	1001118592	2	Plate, Hose Clamp	
35	1001118593	2	Plate, Hose Clamp	
36	1001119953	1	Harness Assembly - Main Boom (See GROUND TO PLATFORM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE) for Breakdown)	
37	1001119954	1	Harness Assembly - Tower Boom (See GROUND TO PLATFORM CABLE - TOWER BOOM (WITH ARCTIC PACKAGE) for Breakdown)	
38	1001157310	1	Cable, AC Tower Boom	
39	1001157311	1	Cable, AC Main Boom	
40	1001119195	2	Plate, Hose Clamp	
41	1001119197	4	Clamp, Hose	
42	1001119228	8	Pushnut M8	
43	0760605	2	Bolt M6 x 10	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	2820031	AR	Heat Shrink	
45	4460473	1	Clamp, Cable	
46	4811702	10	Washer M6	
47	3340901	4	Pad, Rubber	
48	1001140524	1	Main Boom Harness Assembly (Not Shown - See BOOM HARNESS - MAIN for Breakdown)	
49	1671092	1	Cover, Connector	
50	1671093	1	Cover, Plug	

FIGURE 8-32. BOOM HARNESS - LIMIT SWITCHES AND UPRIGHT VALVE

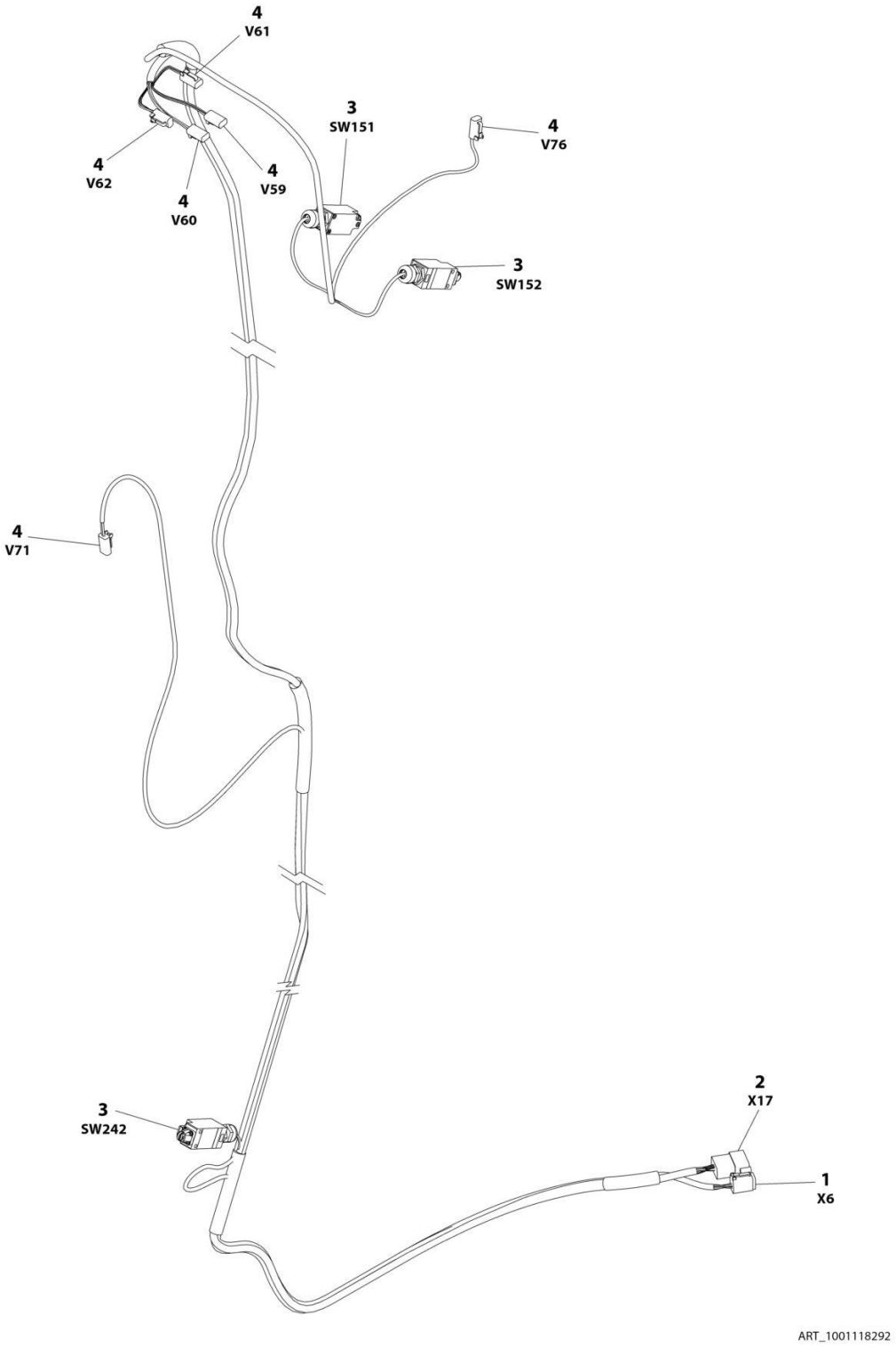


FIGURE 8-32. BOOM HARNESS - LIMIT SWITCHES AND UPRIGHT VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118292	Ref	BOOM HARNESS - LIMIT SWITCHES AND UPRIGHT VALVE	D
1	4460894	1	Plug, Male - 6 Position	
1	4460465	6	Socket, Female	
2	4460970	1	Receptacle, Female - 12 Position	
2	4460464	9	Pin, Male	
2	4460466	3	Plug, Terminal	
3	4360548	3	Switch, Limit	
3	4460968	3	Connector, Strain Relief	
3	0962449	3	Bushing	
4	4460891	6	Plug, Male - 2 Position	
4	4460465	12	Socket, Female	
5	1001257690	1	Connector, Strain Relief 90 (Not Shown)	

FIGURE 8-33. BOOM HARNESS - MAIN

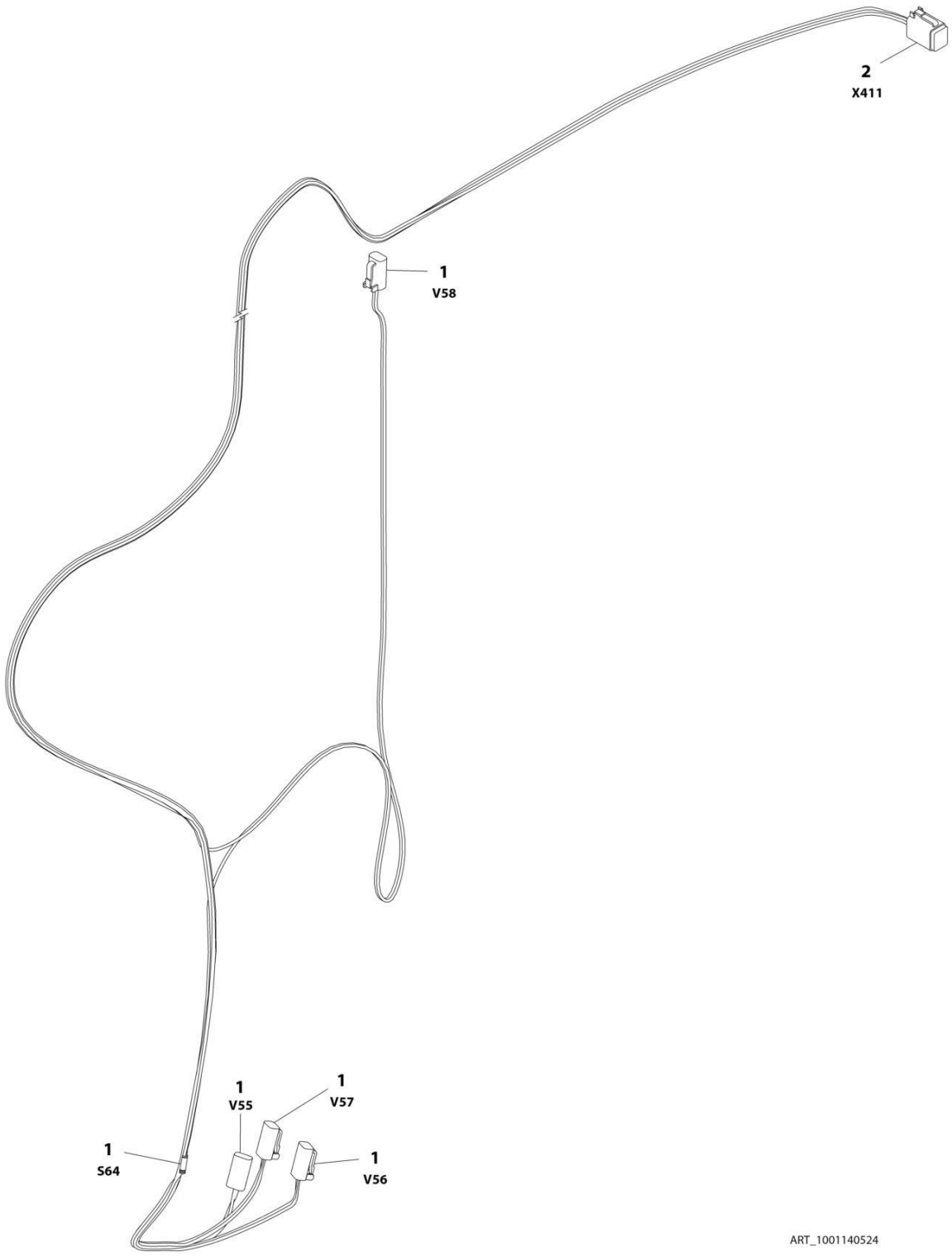


FIGURE 8-33. BOOM HARNESS - MAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001140524	Ref	BOOM HARNESS - MAIN	A
1	4460891	4	Plug, Male - 2 Position	
1	4460465	8	Socket, Female	
2	4460894	1	Plug, Male - 6 Position	
2	4460465	5	Socket, Female	
2	4460466	1	Plug, Terminal	

FIGURE 8-34. BOOM HARNESS - UPPER BOOM VALVE

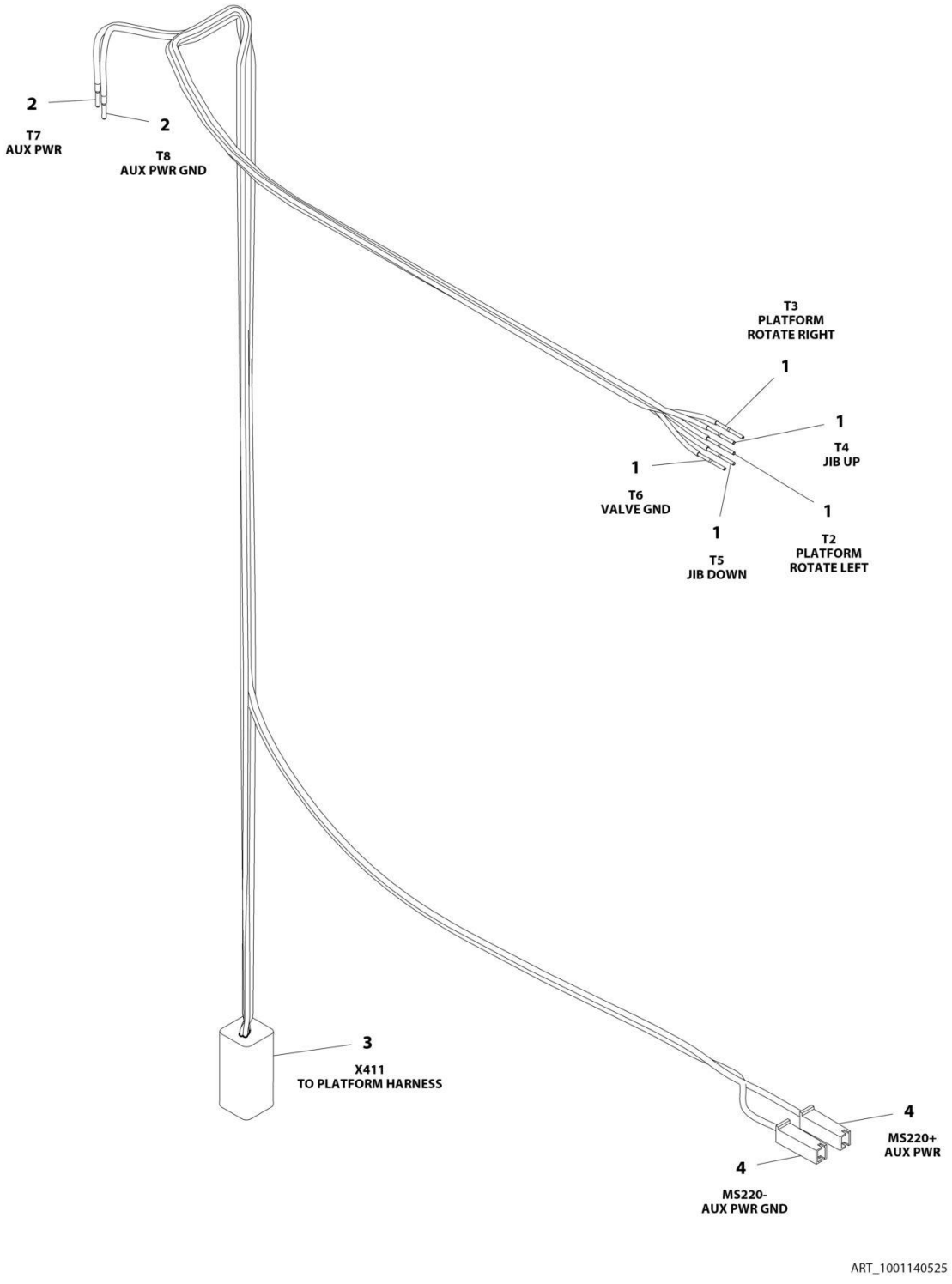


FIGURE 8-34. BOOM HARNESS - UPPER BOOM VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001140525	Ref	BOOM HARNESS - UPPER BOOM VALVE	A
1	4460465	5	Socket, Female	
2	4460508	2	Pin, Male	
3	4460899	1	Connector - 6 Position	
3	4460464	5	Pin, Male	
3	4460466	1	Plug, Terminal	
4	4460260	2	Connector - 1 Position	
4	4460259	2	Terminal	

FIGURE 8-35. BREAKER BOX KIT (CE SPEC)

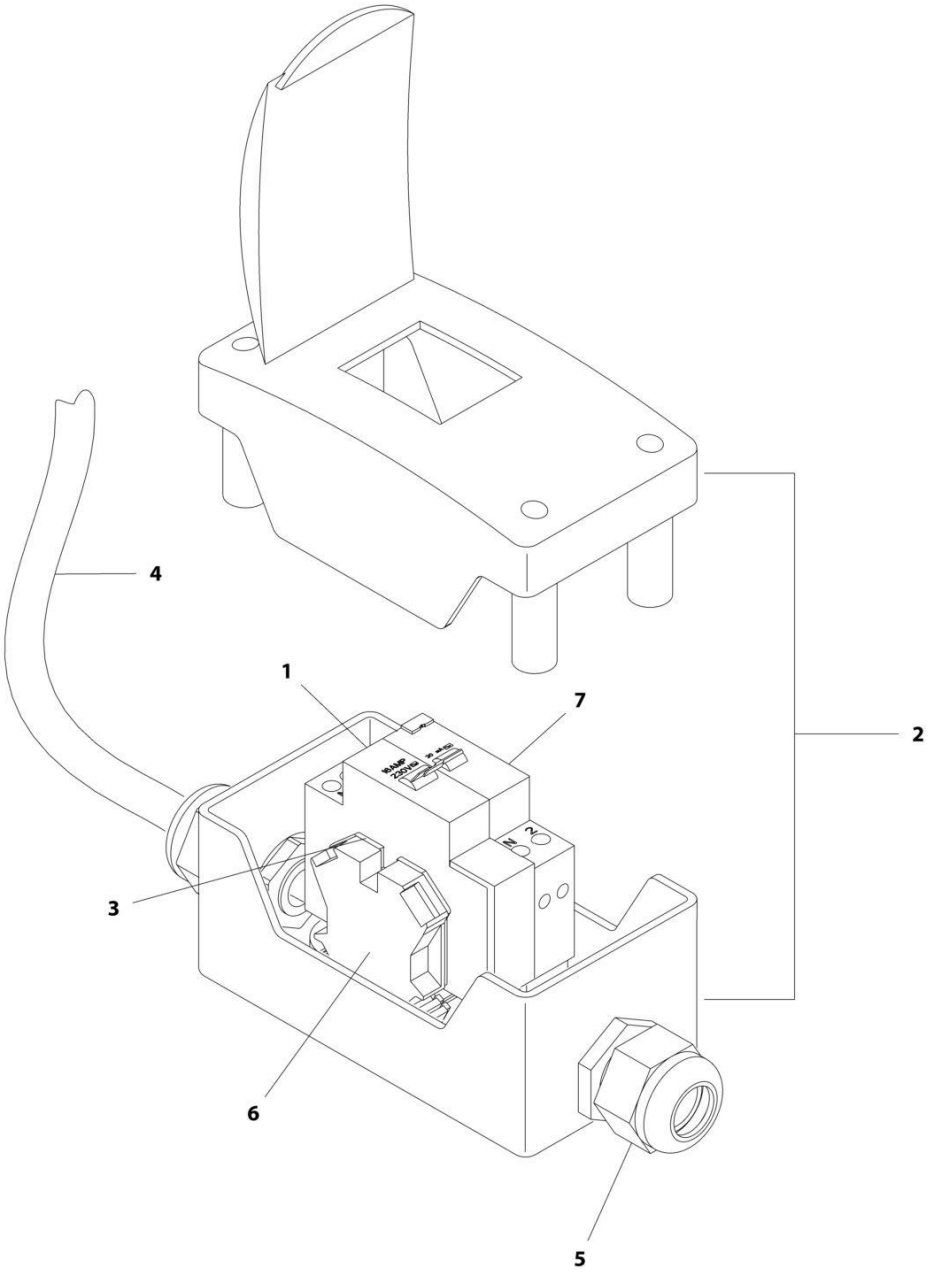


FIGURE 8-35. BREAKER BOX KIT (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902549	Ref	BREAKER BOX KIT (CE SPEC)	D
1	1001109475	1	Breaker, 16Amp	
2	0861880	1	Box	
3	4460956	1	Barrier, Terminal	
4	1060908	6 ft/1.8m	Cable, 12/3	
5	1001097150	2	Connector, Strain Relief	
6	4460957	1	Block, Terminal	
7	1001109482	1	Breaker, 30mA	

FIGURE 8-36. CHASSIS HARNESS ASSEMBLY

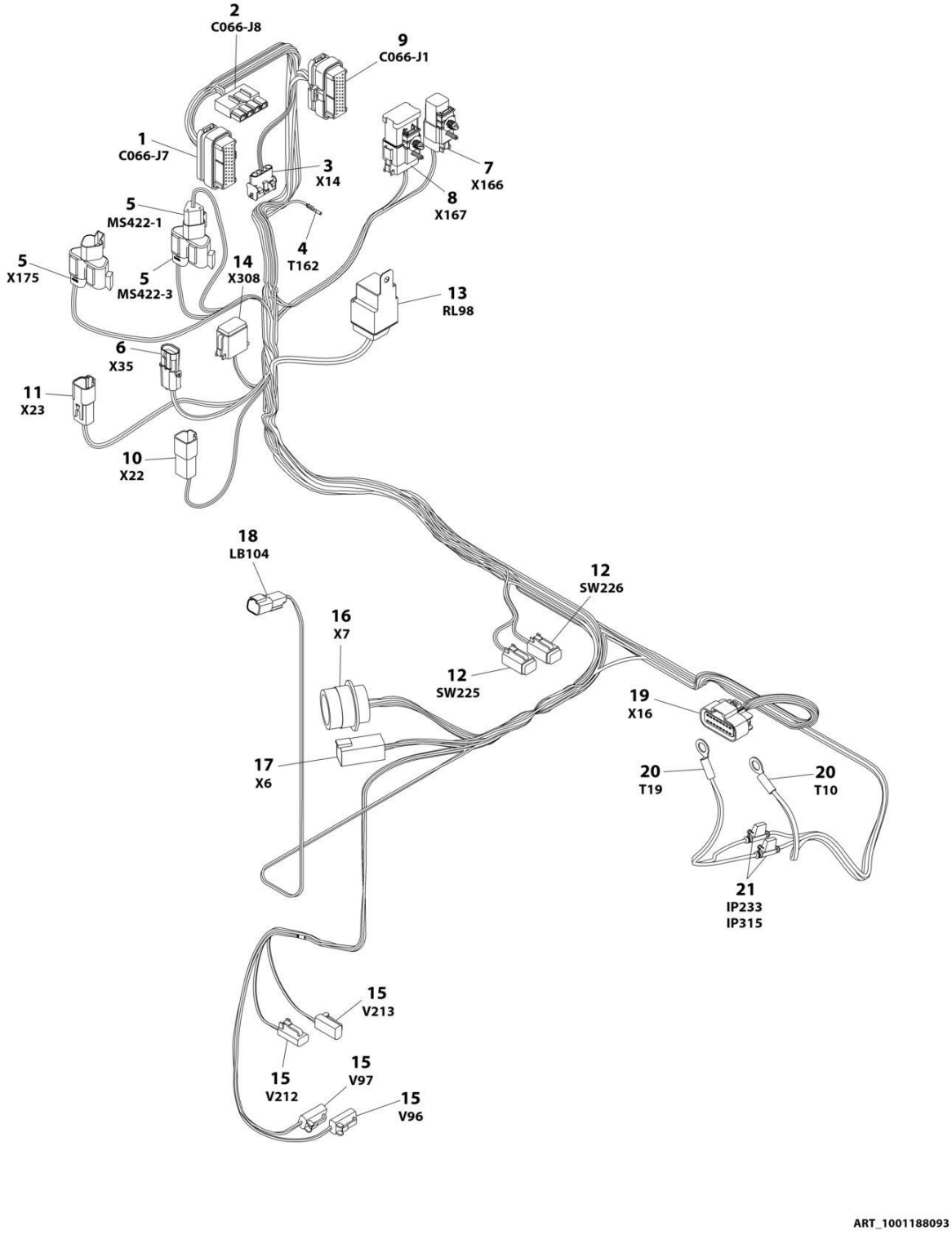


FIGURE 8-36. CHASSIS HARNESS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188093	Ref	CHASSIS HARNESS ASSEMBLY	D
1	4460873	1	Connector - 35 Position	
1	4460871	19	Socket, Female	
1	4460905	16	Seal, Plug	
2	4460878	1	Connector - 4 Position	
2	4460887	6	Terminal	
3	4460761	1	Connector - 4 Position	
3	4460227	4	Pin, Male	
4	4460871	1	Socket, Female	
5	1001116812	3	Plug, Male - 3 Position	
5	4460944	9	Socket, Female	
5	4460945	1	Receptacle, 3 Way	
6	4461157	1	Receptacle, Female - 2 Position	
6	4460979	1	Pin, Male	
6	1001116727	1	Seal, Plug	
7	4460894	1	Connector - 6 Position	
7	4460465	2	Socket, Female	
7	4460466	4	Plug, Terminal	
7	4460892	1	Connector - 6 Position Bussbar	
7	1001121172	1	Mount, Terminal	
8	4460836	1	Connector - 12 Position	
8	4460465	3	Socket, Female	
8	4460466	7	Plug, Terminal	
8	4460837	1	Connector	
8	1001121172	1	Mount, Terminal	
9	4460874	1	Connector - 35 Position	
9	4460871	21	Socket, Female	
9	4460905	14	Seal, Plug	
10	4460932	1	Receptacle, Female - 4 Position	
10	4460464	3	Pin, Female	
10	4460466	1	Plug, Terminal	
11	1001116811	1	Receptacle, Female - 4 Position	
11	4460508	3	Pin, Male	
11	4460466	1	Plug, Terminal	
12	4460884	2	Plug, Male - 4 Position	
12	4460465	6	Socket, Female	
12	4460466	2	Plug, Terminal	
13	1001117025	1	Relay and Connector Assembly	
13	1001116734	2	Terminal	
13	1001116732	2	Terminal	
14	4460930	1	Plug, Male - 8 Position	
14	4460465	2	Socket, Female	
14	4460466	6	Plug, Terminal	
15	4460891	4	Connector - 2 Position	
15	4460465	8	Socket, Female	
16	4460866	1	Connector - 19 Position	
16	4460943	3	Pin, Male	
16	4460464	6	Pin, Male	
16	4460508	4	Pin, Male	
16	4460466	6	Plug, Terminal	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	4460899	1	Connector - 6 Position	
17	4460464	6	Pin, Male	
18	4460897	1	Connector - 2 Position	
18	4460464	2	Pin, Male	
19	4461110	1	Receptacle Female - 16 Position	
19	1001136231	1	Lock, Connector	
19	1001136232	1	Lock, Connector	
19	4461112	15	Terminal, Female	
19	4461113	15	Seal	
19	4461222	1	Plug	
20	8220164	2	Ring, Terminal	
21	2400066	2	Fuse Holder with Leads	

FIGURE 8-37. CHASSIS LIGHT HARNESS

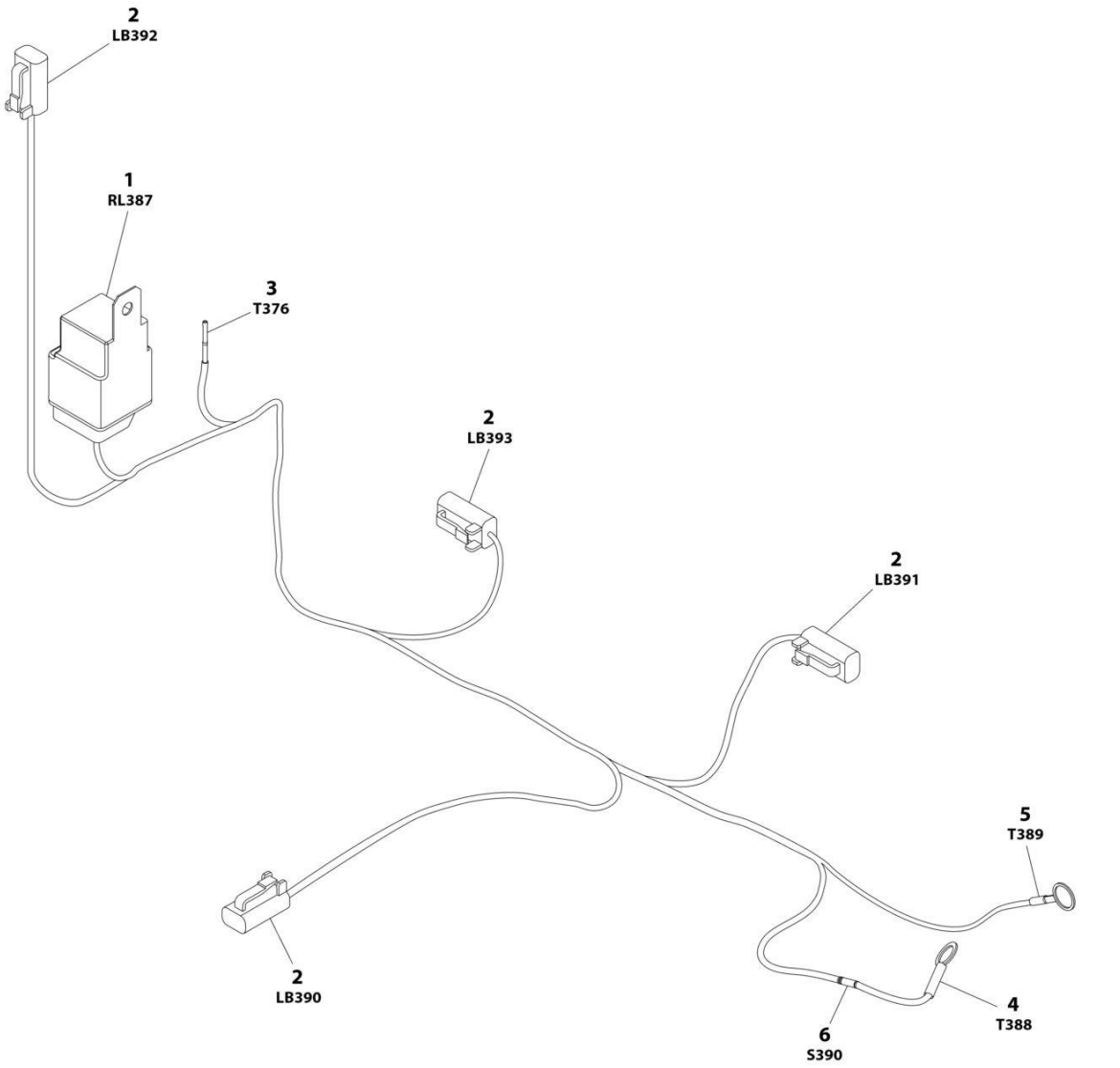


FIGURE 8-37. CHASSIS LIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120299	Ref	CHASSIS LIGHT HARNESS	B
1	1001117025	1	Relay and Connector Assembly	
1	1001116734	2	Terminal	
1	1001116732	2	Terminal	
2	4460891	4	Plug, Male - 2 Position	
2	4460465	8	Socket, Female	
3	4460465	1	Socket, Female	
4	4460256	1	Ring, Terminal	
5	4460019	1	Ring, Terminal	
6	4460474	1	Terminal	

FIGURE 8-38. GENERATOR HARNESS - 2500W

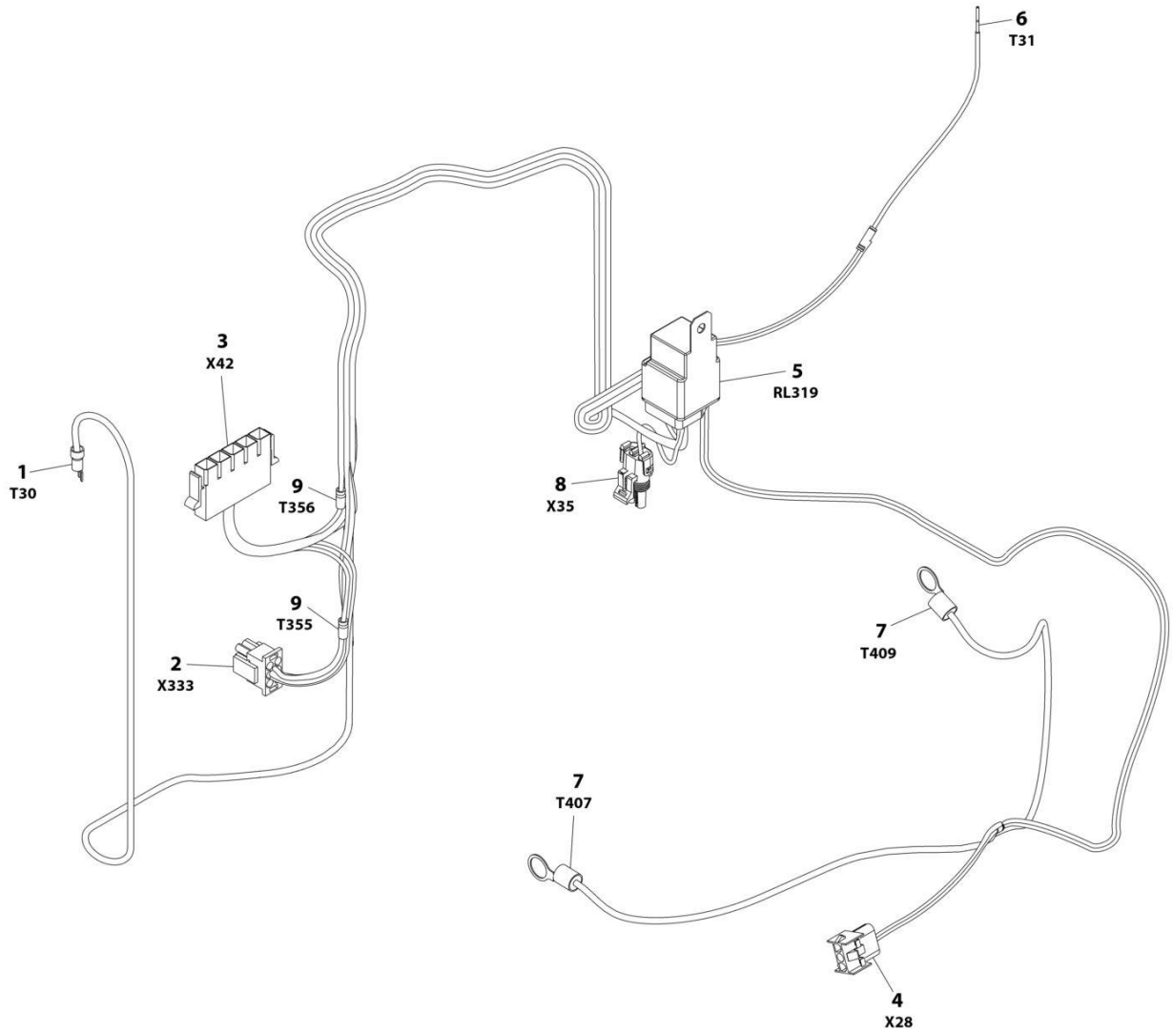


FIGURE 8-38. GENERATOR HARNESS - 2500W

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119773	Ref	GENERATOR HARNESS - 2500W	C
1	4460806	1	Terminal	
2	4460225	1	Plug, Male - 6 Position	
2	4460705	1	Pin, Male	
2	4460267	3	Pin, Male	
2	4460268	2	Socket, Female	
3	4460972	1	Plug, Male - 5 Position	
3	4460973	1	Terminal 12Ga	
3	4460974	4	Terminal 16Ga	
4	4460445	1	Receptacle, Female - 3 Position	
4	4460268	3	Socket, Female	
5	1001117025	1	Relay and Connector Assembly	
5	1001116734	2	Terminal	
5	1001116732	2	Terminal	
6	4460465	1	Socket, Female Deutsch 16Ga	
7	8220029	2	Terminal	
8	4460742	1	Plug, Male - 2 Position	
8	4460743	1	Socket, Female	
8	1001116727	1	Seal, Plug	
9	4460121	2	Cap, Wire	

FIGURE 8-39. GENERATOR HARNESS - 4000W

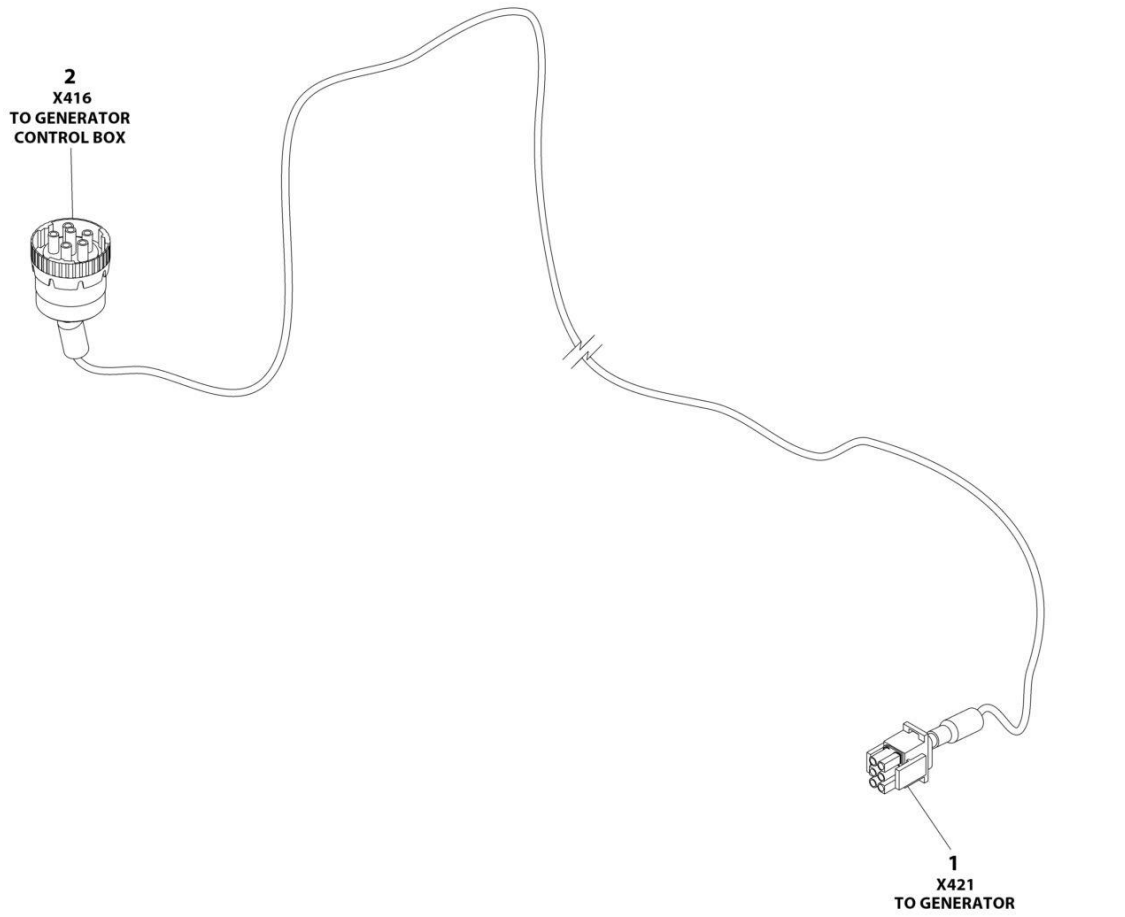


FIGURE 8-39. GENERATOR HARNESS - 4000W

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157916	Ref	GENERATOR HARNESS - 4000W	B
1	4460225	1	Plug, Male - 6 Position	
1	4460268	2	Socket, Female	
2	77363233	1	Connector	
2	4460465	2	Socket, Female	
2	4460466	4	Plug, Terminal	

FIGURE 8-40. GENERATOR TO AC PLUG HARNESS - 2800W GENERATOR 220/50HZ (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)

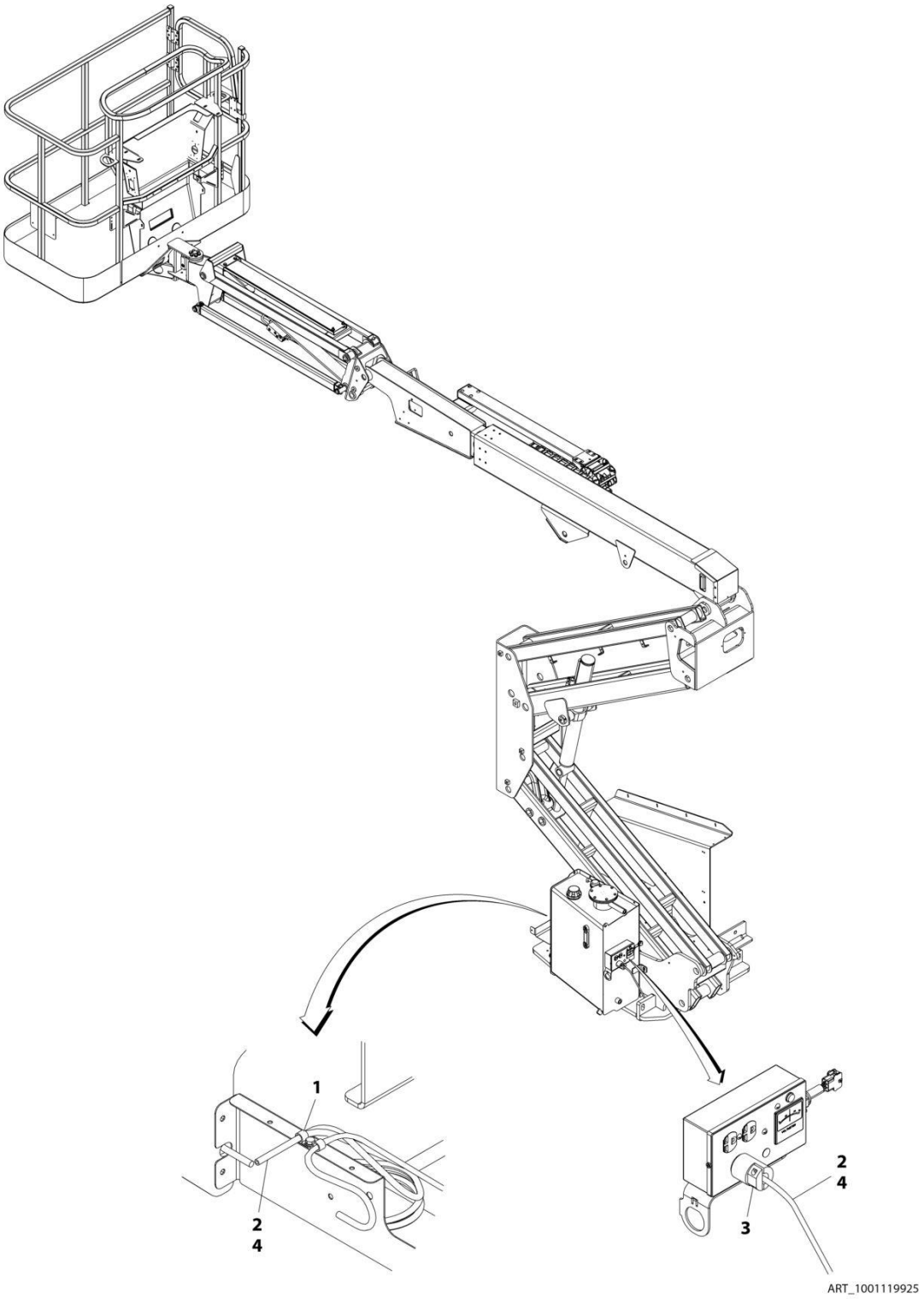


FIGURE 8-40. GENERATOR TO AC PLUG HARNESS - 2800W GENERATOR 220/50HZ (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119925	Ref	GENERATOR TO AC PLUG HARNESS - 2800W GENERATOR 220/50HZ (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)	A
1	1320043	1	Clamp	
2	1001119922	1	Harness, Generator to AC Plug	B
3	4460709	1	Plug, Male	
4	4923505	7 ft/2.13m	Cable, 14/3	

FIGURE 8-41. GENERATOR TO AC PLUG HARNESS - 2800W GENERATOR 110/50HZ (CE SPECS ONLY)

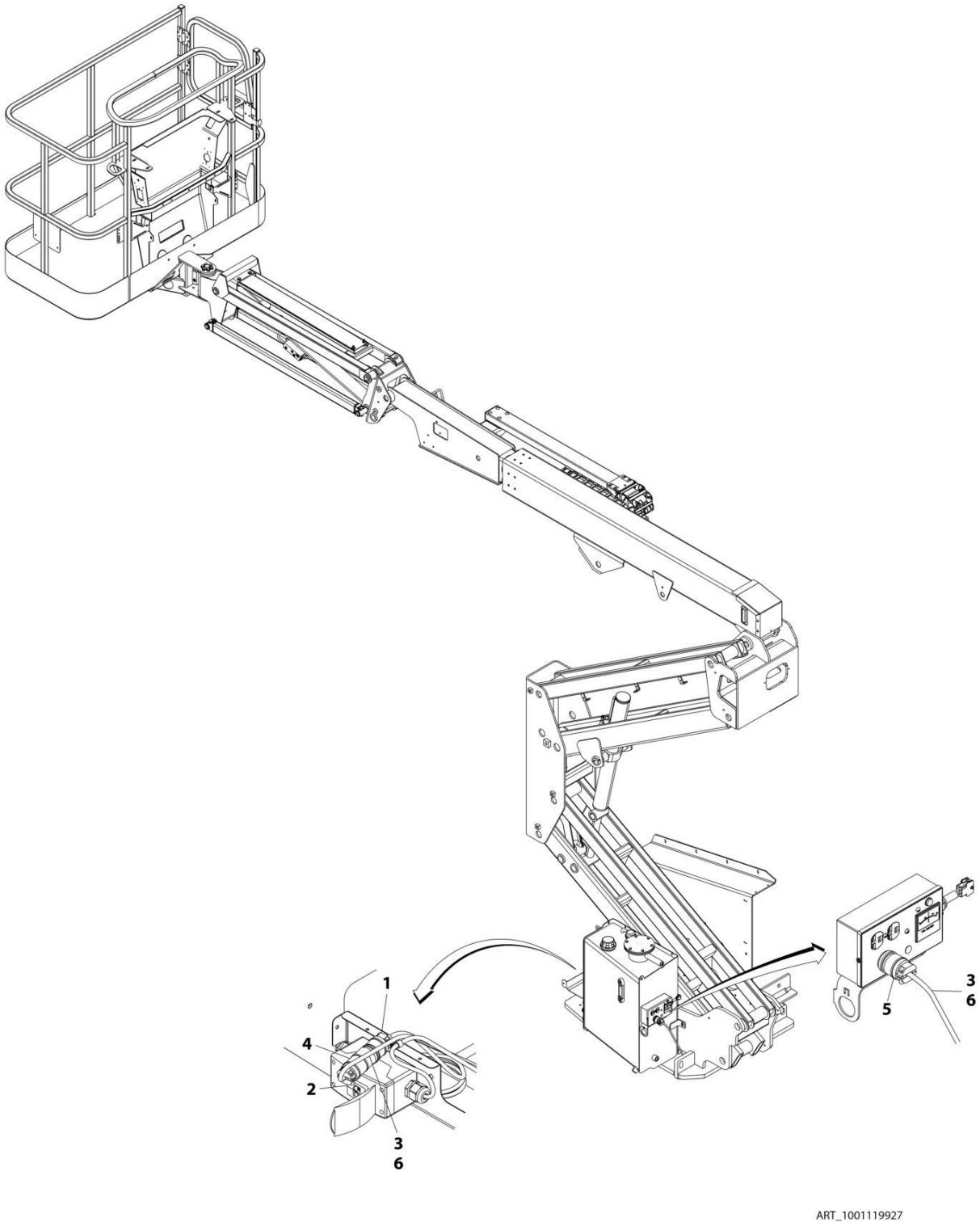


FIGURE 8-41. GENERATOR TO AC PLUG HARNESS - 2800W GENERATOR 110/50HZ (CE SPECS ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119927	Ref	GENERATOR TO AC PLUG HARNESS - 2800W GENERATOR 110/50HZ (CE SPECS ONLY)	A
1	4460205	1	Plug, Male	
2	1001109477	1	Breaker 10Amp	
3	1001119919	1	Harness, Generator to AC Plug	B
4	4460134	1	Plug, Female	
5	4460205	1	Plug, Male	
6	4923505	7 ft/2.13m	Cable, 14/3	

FIGURE 8-42. GENERATOR TO AC PLUG HARNESS - 2800W GENERATOR 220/50HZ (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)

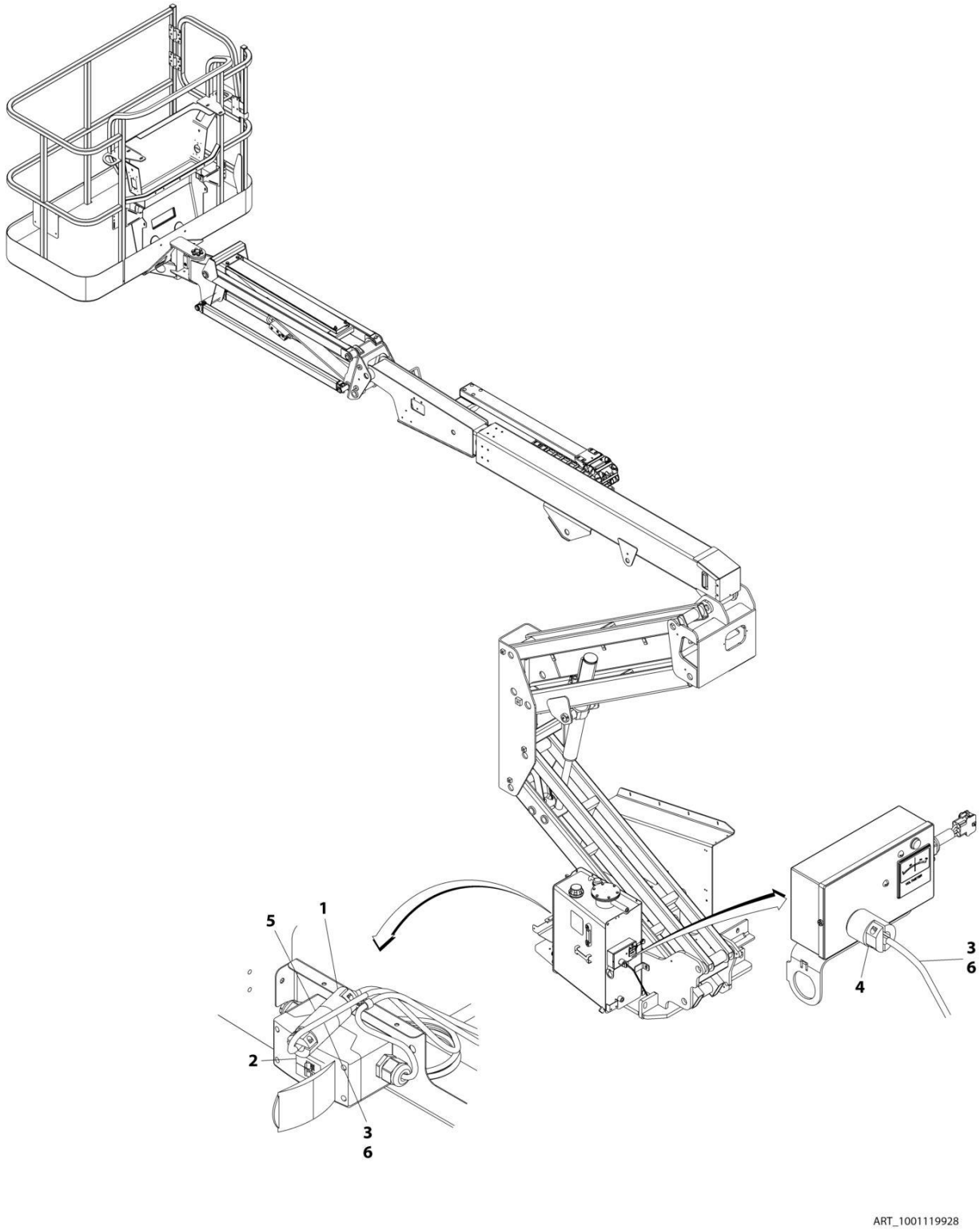


FIGURE 8-42. GENERATOR TO AC PLUG HARNESS - 2800W GENERATOR 220/50HZ (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119928	Ref	GENERATOR TO AC PLUG HARNESS - 2800W GENERATOR 220/50HZ (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)	B
1	4460709	1	Plug, Male	
2	1001109477	1	Breaker 10 Amp	
3	1001119920	1	Harness, Generator to AC Plug	A
4	4460709	1	Plug, Male	
5	4460710	1	Plug, Female	
6	4923505	6.8 ft/ 2.06m	Cable, 14/3	

FIGURE 8-43. GENERATOR TO AC PLUG HARNESS - 3500W GENERATOR 220/60HZ (ANSI EXPORT, CHINA AND CSA SPECS)

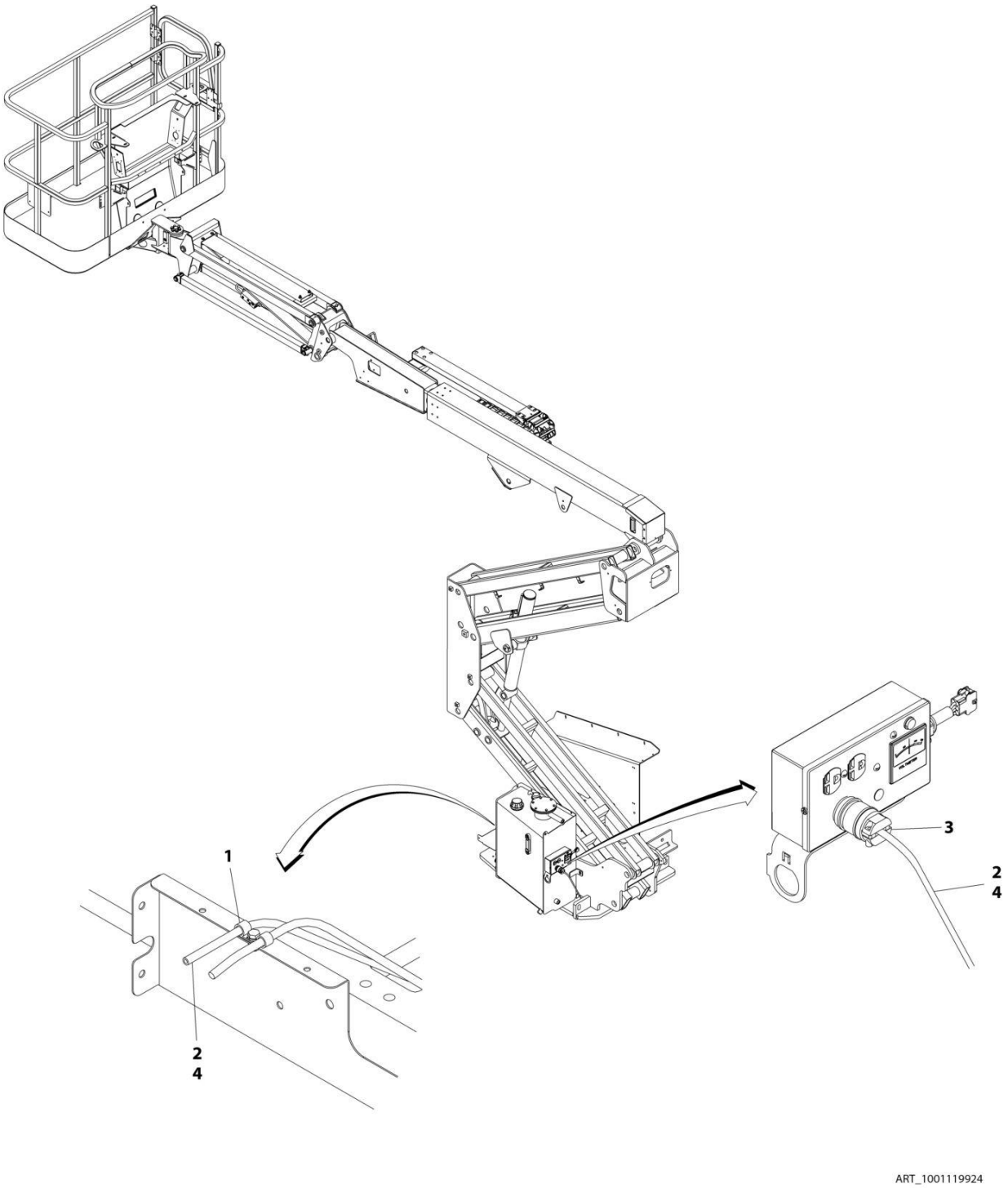


FIGURE 8-43. GENERATOR TO AC PLUG HARNESS - 3500W GENERATOR 220/60HZ (ANSI EXPORT, CHINA AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119924	Ref	GENERATOR TO AC PLUG HARNESS - 3500W GENERATOR 220/60HZ (ANSI EXPORT, CHINA AND CSA SPECS)	A
1	1320043	1	Clamp	
2	1001119921	1	Harness, Generator to AC Plug	A
3	4460205	1	Plug, Male	
4	4923505	7 ft/2.13m	Cable, 14/3	

FIGURE 8-44. GENERATOR TO AC PLUG HARNESS - 3500W GENERATOR 110/60HZ (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)

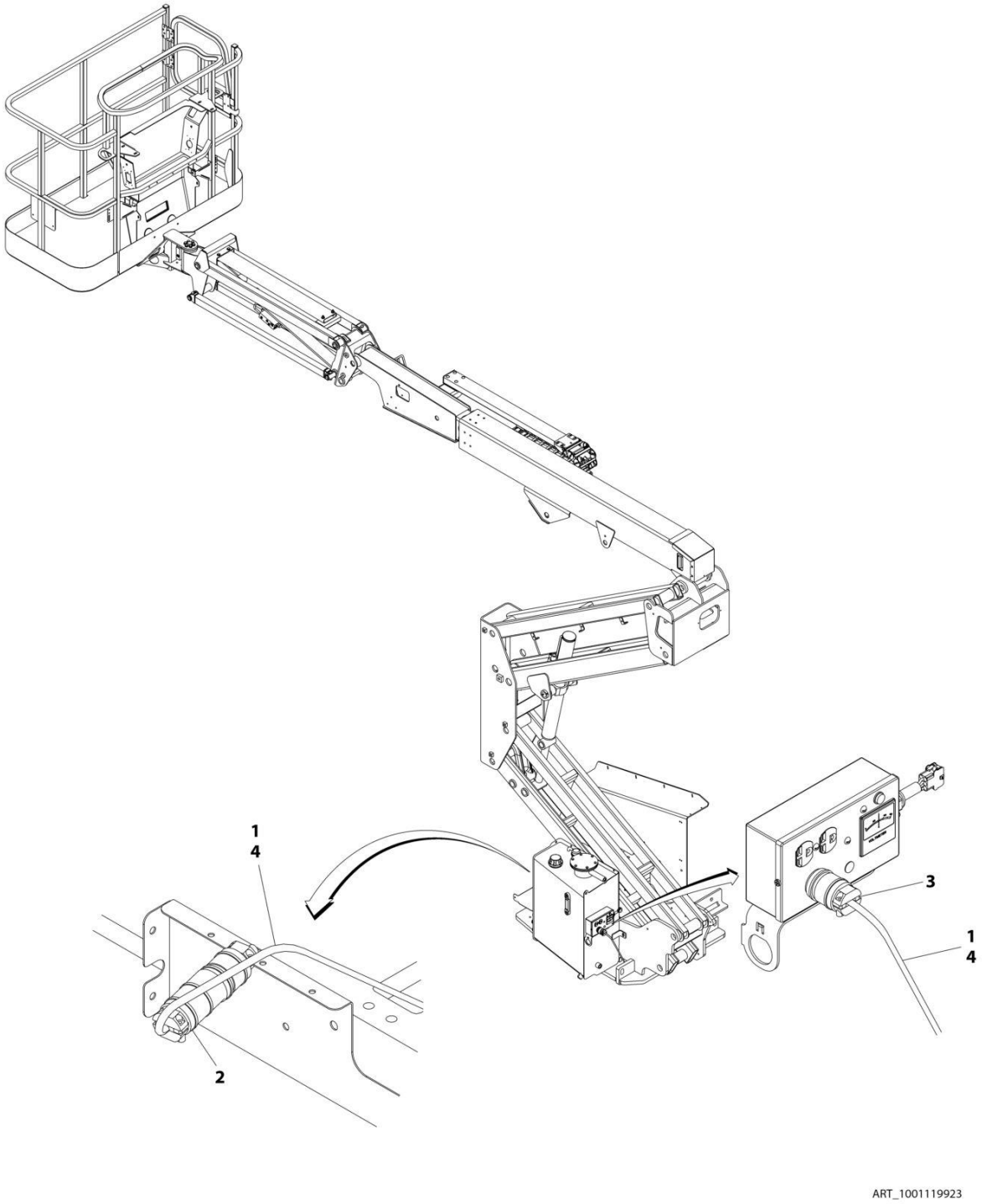


FIGURE 8-44. GENERATOR TO AC PLUG HARNESS - 3500W GENERATOR 110/60HZ (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119923	Ref	GENERATOR TO AC PLUG HARNESS - 3500W GENERATOR 110/60HZ (ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS)	A
1	1001119919	1	Harness, Generator to AC Plug	B
2	4460134	1	Plug, Female	
3	4460205	1	Plug, Male	
4	4923505	7 ft/2.13m	Cable, 14/3	

FIGURE 8-45. GENERATOR TO AC PLUG HARNESS - 3500W GENERATOR 220/60HZ (ANSI EXPORT, CHINA AND CSA SPECS)

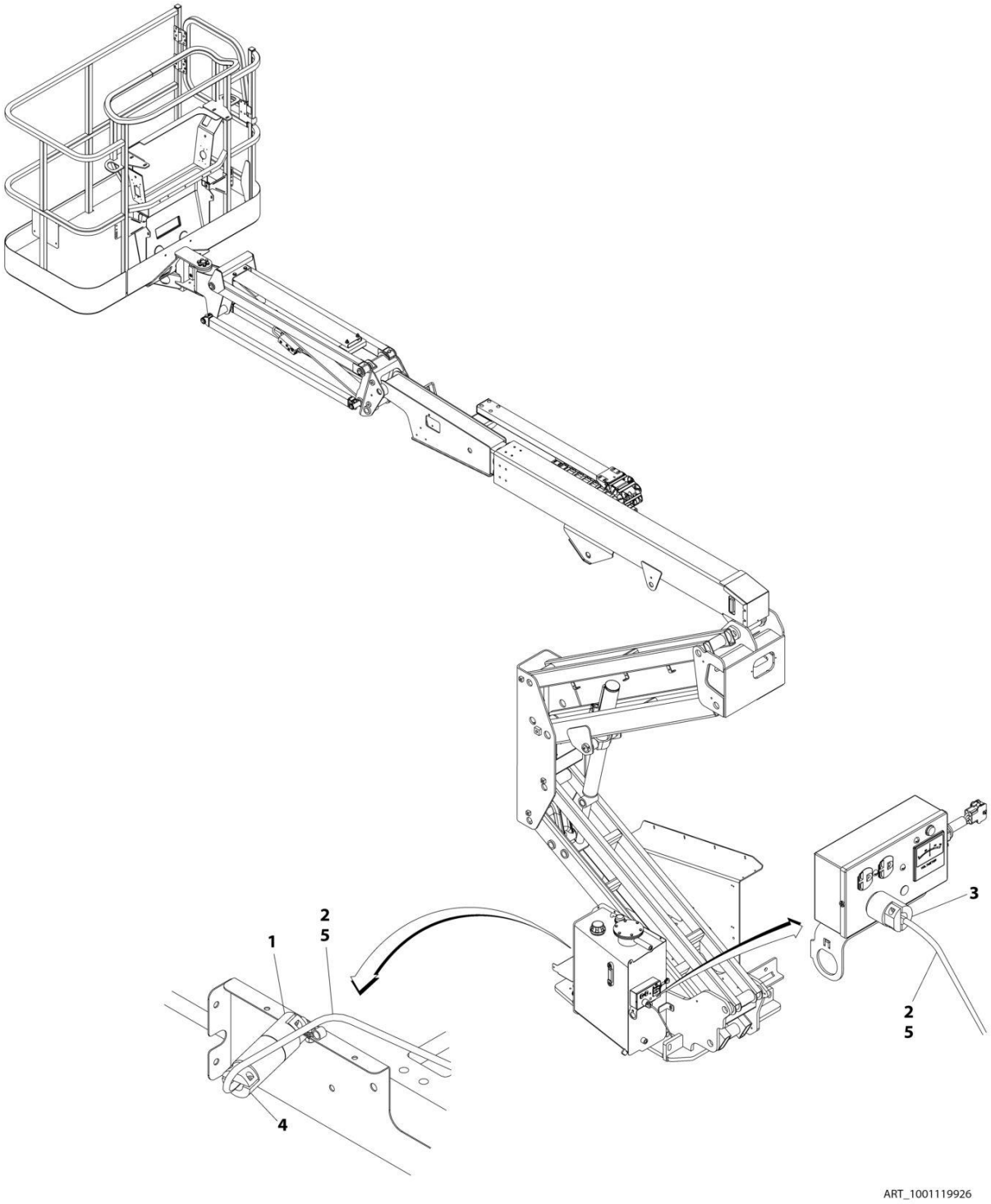


FIGURE 8-45. GENERATOR TO AC PLUG HARNESS - 3500W GENERATOR 220/60HZ (ANSI EXPORT, CHINA AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119926	Ref	GENERATOR TO AC PLUG HARNESS - 3500W GENERATOR 220/60HZ (ANSI EXPORT, CHINA AND CSA SPECS)	A
1	4460709	1	Plug, Male	
2	1001119920	1	Harness, Generator to AC Plug	A
3	4460709	1	Plug, Male	
4	4460710	1	Plug, Female	
5	4923505	6.8 ft/ 2.06m	Cable, 14/3	

FIGURE 8-46. GM FUEL PUMP HARNESS

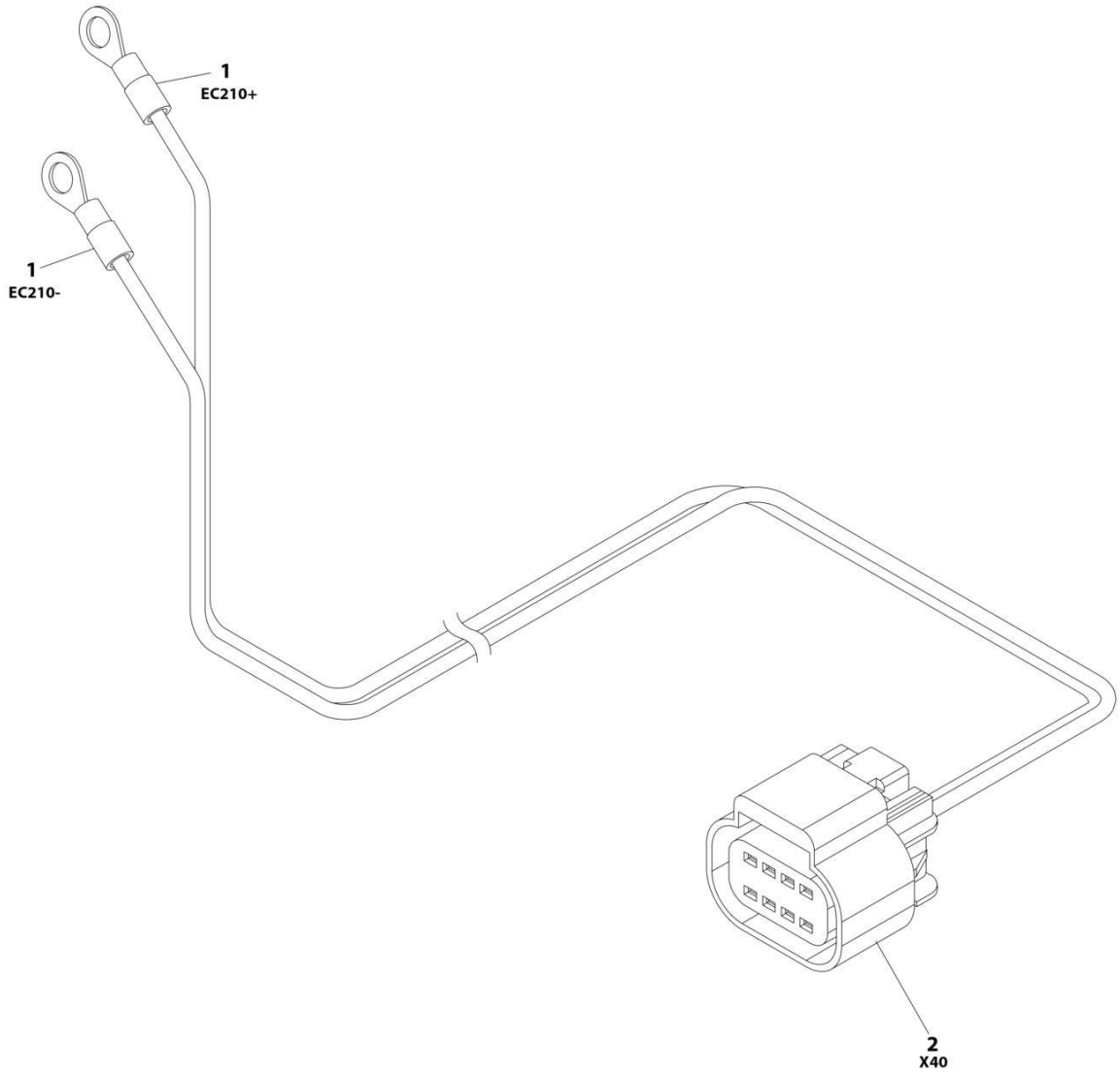


FIGURE 8-46. GM FUEL PUMP HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119778	Ref	GM FUEL PUMP HARNESS	A
1	4460313	2	Terminal, Ring	
2	1001119799	1	Receptacle, Female - 8 Position	
2	4461112	2	Terminal, Female	
2	4461113	2	Seal	
2	4461222	6	Plug	

FIGURE 8-47. GROUND TO PLATFORM CABLE - MAIN BOOM (WITHOUT ARCTIC PACKAGE)

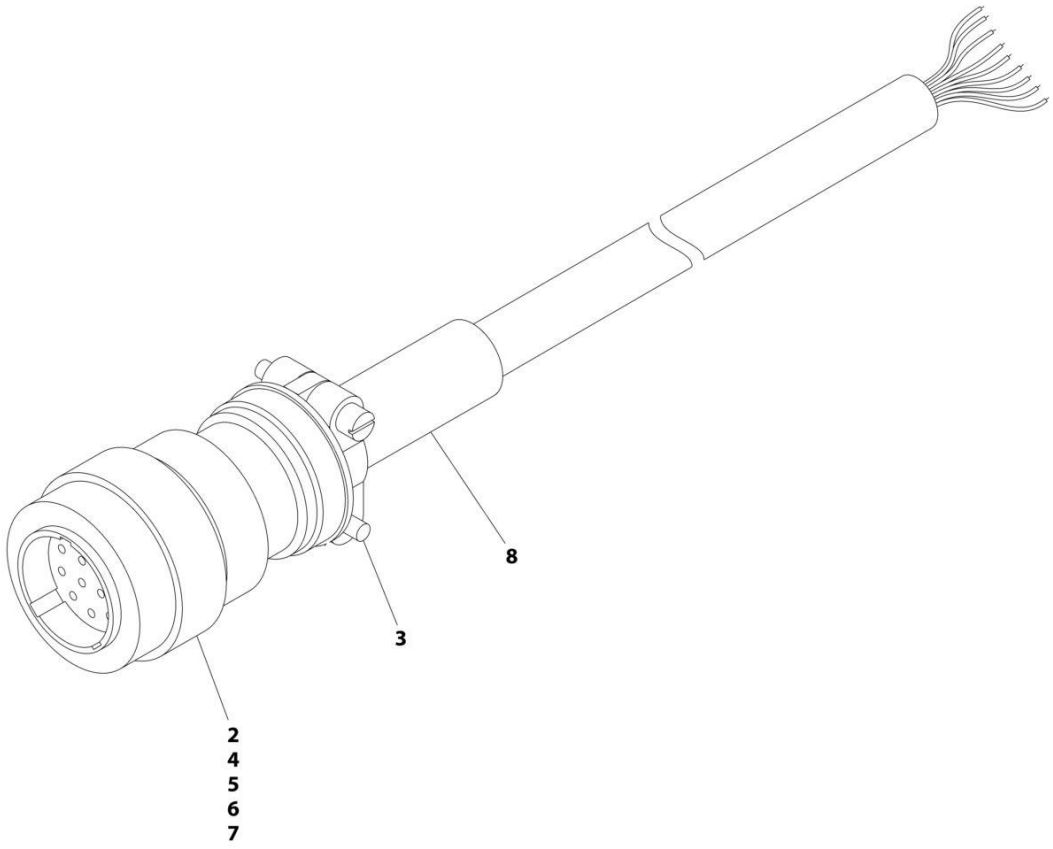


FIGURE 8-47. GROUND TO PLATFORM CABLE - MAIN BOOM (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119018	Ref	GROUND TO PLATFORM CABLE - MAIN BOOM (WITHOUT ARCTIC PACKAGE)	C
2	4460865	1	Connector - 19 Position	
3	4460473	1	Clamp, Cable	
4	4460465	22	Socket, Female	
5	4460509	8	Socket, Female	
6	4460466	4	Plug, Terminal	
7	2820118	AR	Heat Shrink	
8	1001226400	1	Heat Shrink	

FIGURE 8-48. GROUND TO PLATFORM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE)

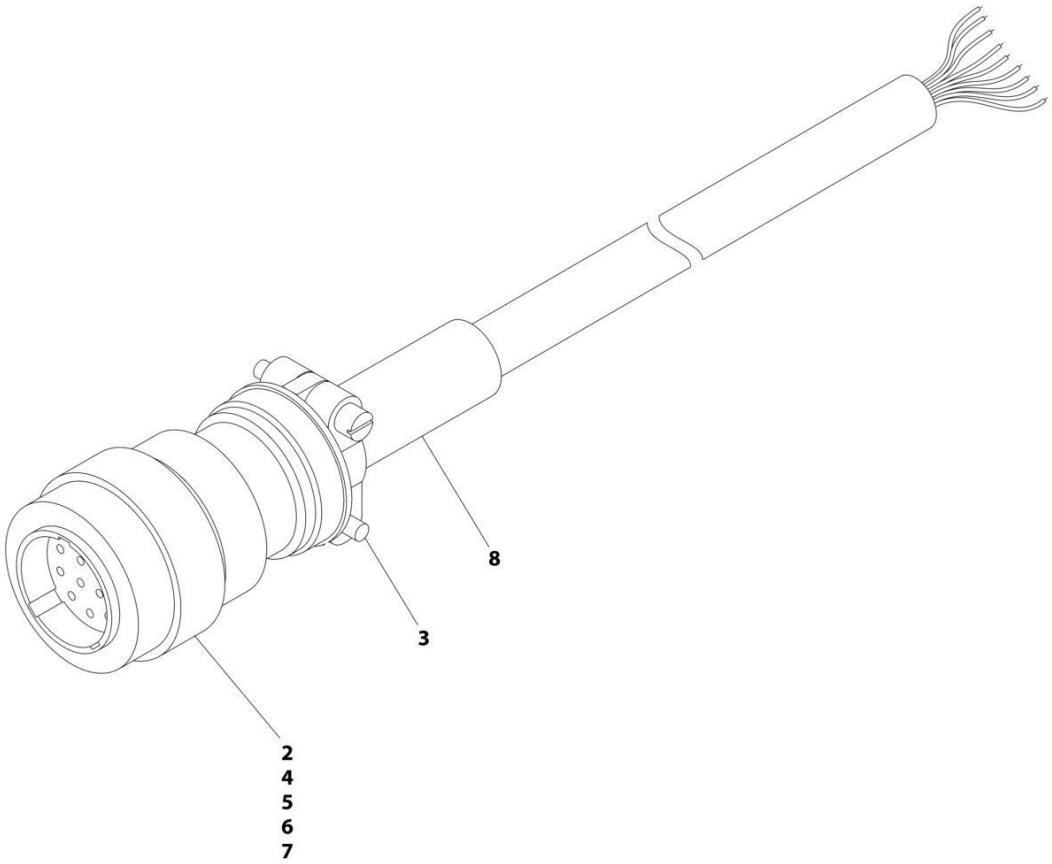


FIGURE 8-48. GROUND TO PLATFORM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119953	Ref	GROUND TO PLATFORM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE)	D
2	4460865	1	Connector - 19 Position	
3	4460473	1	Clamp, Cable	
4	4460465	22	Socket, Female	
5	4460509	8	Socket, Female	
6	4460466	4	Plug, Terminal	
7	2820118	AR	Heat Shrink	
8	1001226400	1	Heat Shrink	

FIGURE 8-49. GROUND TO PLATFORM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE)

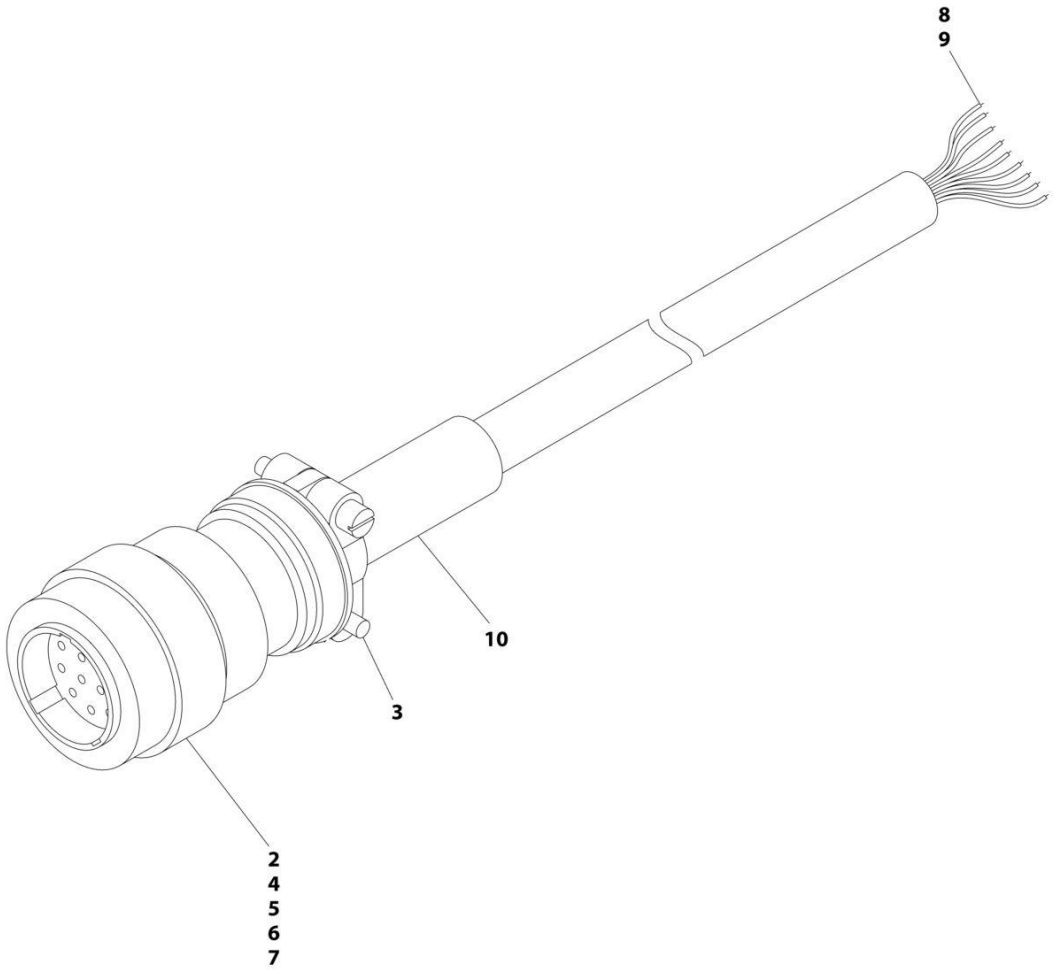


FIGURE 8-49. GROUND TO PLATFORM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119019	Ref	GROUND TO PLATFORM CABLE - TOWER BOOM (WITHOUT ARCTIC PACKAGE)	B
2	4460865	1	Connector - 19 Position	
3	4460473	1	Clamp, Cable	
4	4460465	11	Socket, Female	
5	4460509	4	Socket, Female	
6	4460466	4	Plug, Terminal	
7	2820118	AR	Heat Shrink	
8	4460464	11	Pin, Male	
9	4460508	4	Pin, Male	
10	1001226400	1	Heat Shrink	

FIGURE 8-50. GROUND TO PLATFORM CABLE - TOWER BOOM (WITH ARCTIC PACKAGE)

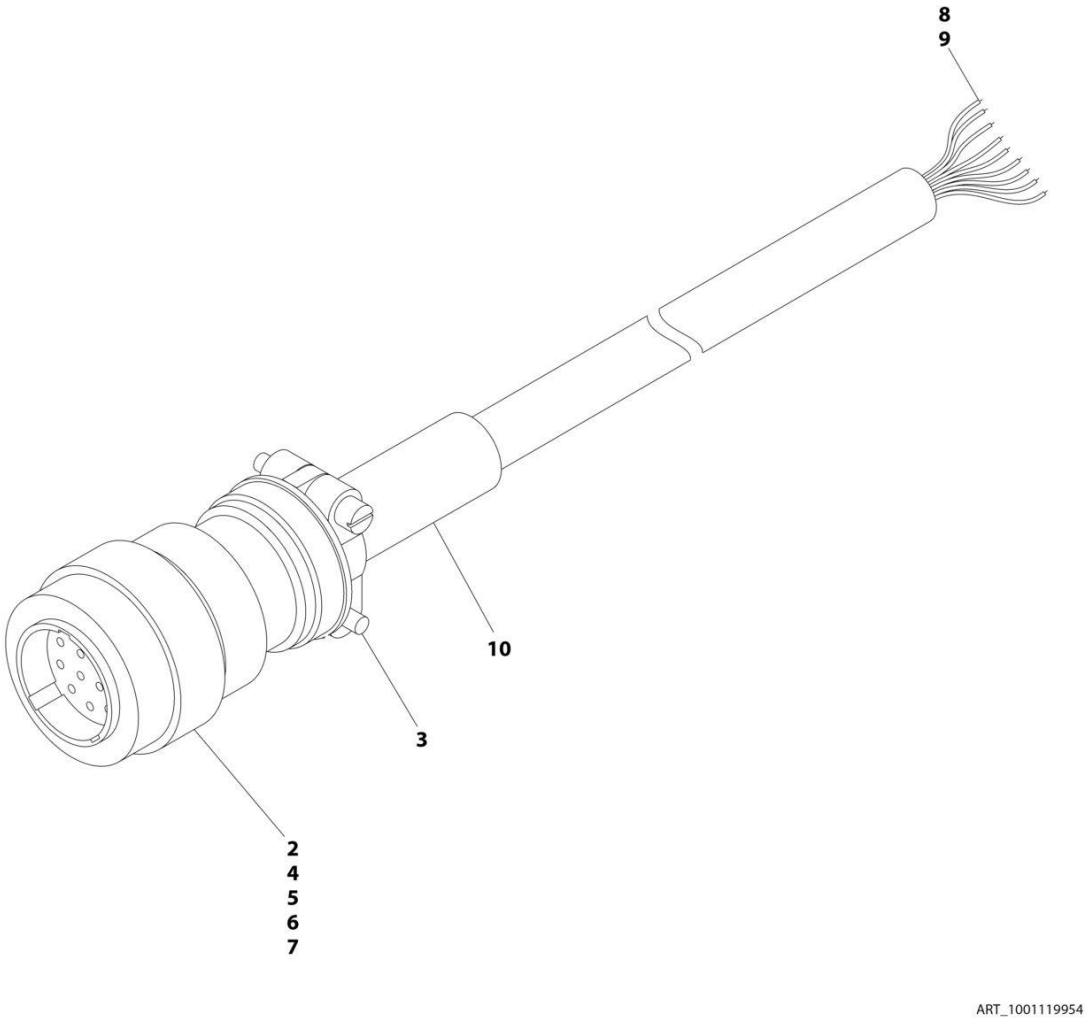


FIGURE 8-50. GROUND TO PLATFORM CABLE - TOWER BOOM (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119954	Ref	GROUND TO PLATFORM CABLE - TOWER BOOM (WITH ARCTIC PACKAGE)	C
2	4460865	1	Connector - 19 Position	
3	4460473	1	Clamp, Cable	
4	4460465	11	Socket, Female	
5	4460509	4	Socket, Female	
6	4460466	4	Plug, Terminal	
7	2820118	AR	Heat Shrink	
8	4460464	11	Pin, Male	
9	4460508	4	Pin, Male	
10	1001226400	1	Heat Shrink	

FIGURE 8-51. GROUND CONTROL HARNESS (ALL SPECS EXCEPT CE)

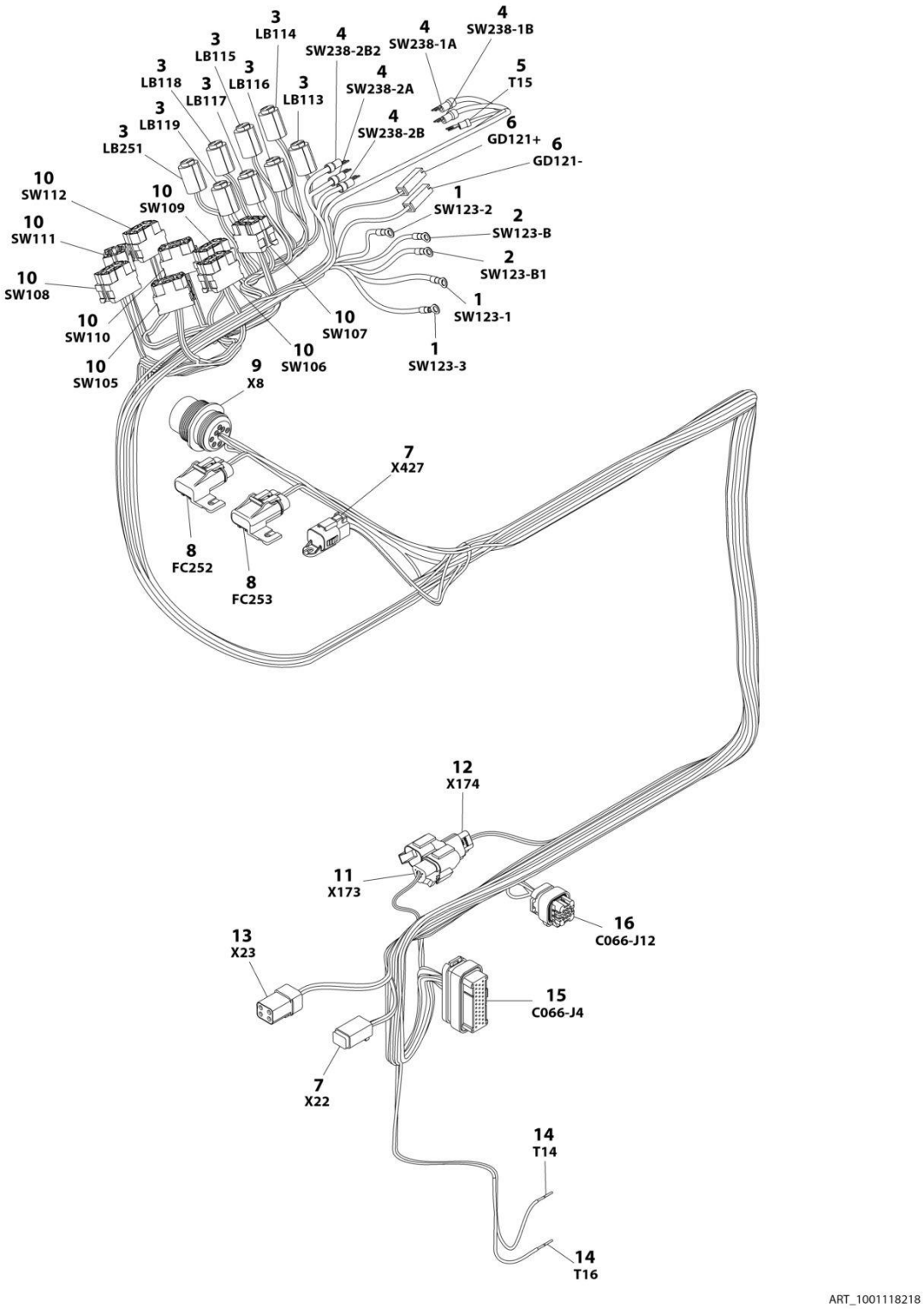


FIGURE 8-51. GROUND CONTROL HARNESS (ALL SPECS EXCEPT CE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118218	Ref	GROUND CONTROL HARNESS (ALL SPECS EXCEPT CE)	E
1	4460313	3	Terminal, Ring	
2	4460142	2	Terminal, Ring	
3	4120035	8	Socket, Light	
3	4460634	8	Terminal - 16Ga	
3	4460635	16	Terminal - 12Ga	
4	4460806	5	Terminal, Fork	
5	4460183	1	Terminal, Fork	
6	4460260	2	Connector - 1 Position	
6	4460259	4	Terminal	
7	4460884	2	Connector - 4 Position	
7	4460465	7	Socket, Female	
7	4460466	1	Plug, Terminal	
8	1001117078	2	Fuse Assembly (Includes Fuse, Holder, Cover)	
8	4460419	4	Terminal	
9	1001112612	1	Connector - 9 Position	
9	4460464	3	Pin, Male	
9	4460943	3	Pin, Male	
9	4460466	3	Plug, Terminal	
10	4460418	8	Connector - 6 Position	
10	4460419	31	Terminal	
11	4460539	1	Connector - 3 Position	
11	4460944	3	Socket, Female	
12	1001116812	1	Plug, Male - 3 Position	
12	4460945	1	Receptacle, 3 Way	
12	4460944	3	Socket, Female	
13	1001116810	1	Connector - 4 Position	
13	4460509	3	Terminal	
13	4460466	1	Plug, Terminal	
14	4460465	2	Socket, Female	
15	4460876	1	Connector - 35 Position	
15	4460871	27	Socket, Female	
15	4460905	8	Seal, Plug	
16	1001113961	1	Connector - 8 Position	
16	4460871	5	Socket, Female	
16	4460905	3	Seal, Plug	

FIGURE 8-52. GROUND CONTROL HARNESS (CE SPEC)

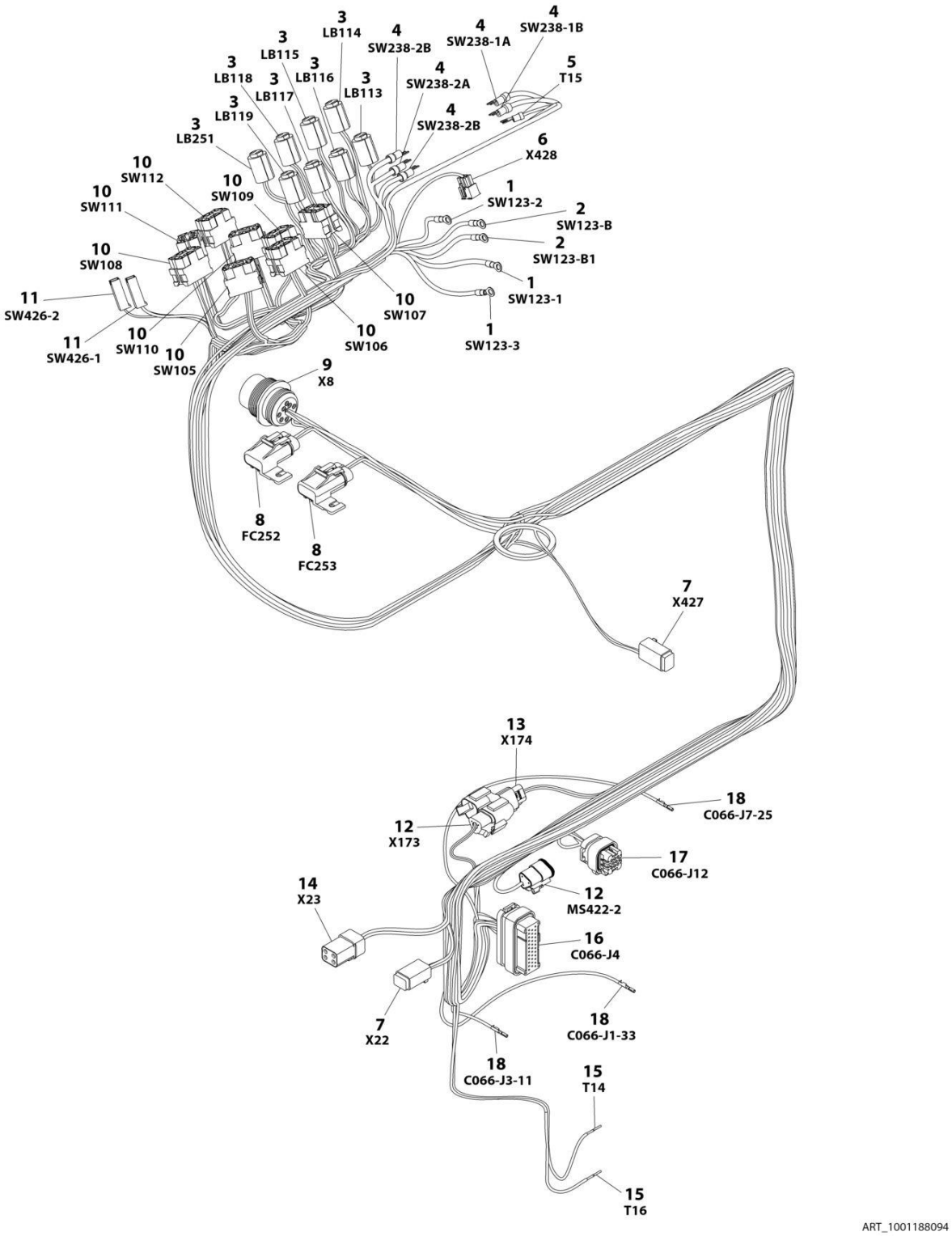


FIGURE 8-52. GROUND CONTROL HARNESS (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188094	Ref	GROUND CONTROL HARNESS (CE SPEC)	D
1	4460313	3	Terminal, Ring	
2	4460142	2	Terminal, Ring	
3	4120035	8	Socket, Light	
3	4460634	8	Terminal - 16Ga	
3	4460635	16	Terminal - 12Ga	
4	4460806	5	Terminal, Fork	
5	4460183	1	Terminal, Fork	
6	4460868	1	Connector - 6 Position	
6	4460877	4	Terminal	
7	4460884	2	Connector - 4 Position	
7	4460465	7	Socket, Female	
7	4460466	1	Plug, Terminal	
8	1001117078	2	Fuse Assembly (Includes Fuse, Holder, Cover)	
8	4460419	4	Terminal	
9	1001112612	1	Connector - 9 Position	
9	4460464	3	Pin, Male	
9	4460943	3	Pin, Male	
9	4460466	3	Plug, Terminal	
10	4460418	8	Connector - 6 Position	
10	4460419	31	Socket, Female	
11	4460260	2	Connector - 1 Position	
11	4460259	2	Terminal	
12	4460539	2	Connector - 3 Position	
12	4460944	5	Socket, Female	
12	4460466	1	Seal, Plug	
13	1001116812	1	Plug, Male - 3 Position	
13	4460945	1	Receptacle, 3 Way	
13	4460944	3	Socket, Female	
14	1001116810	1	Connector - 4 Position	
14	4460509	3	Terminal	
14	4460466	1	Plug, Terminal	
15	4460465	2	Socket, Female	
16	4460876	1	Connector - 35 Position	
16	4460871	27	Socket, Female	
16	4460905	8	Seal, Plug	
17	1001113961	1	Connector - 8 Position	
17	4460871	6	Socket, Female	
17	4460905	2	Seal, Plug	
18	4460871	3	Socket, Female	

FIGURE 8-53. GENERATOR TO PLATFORM HARNESS - WITH SKYGUARD

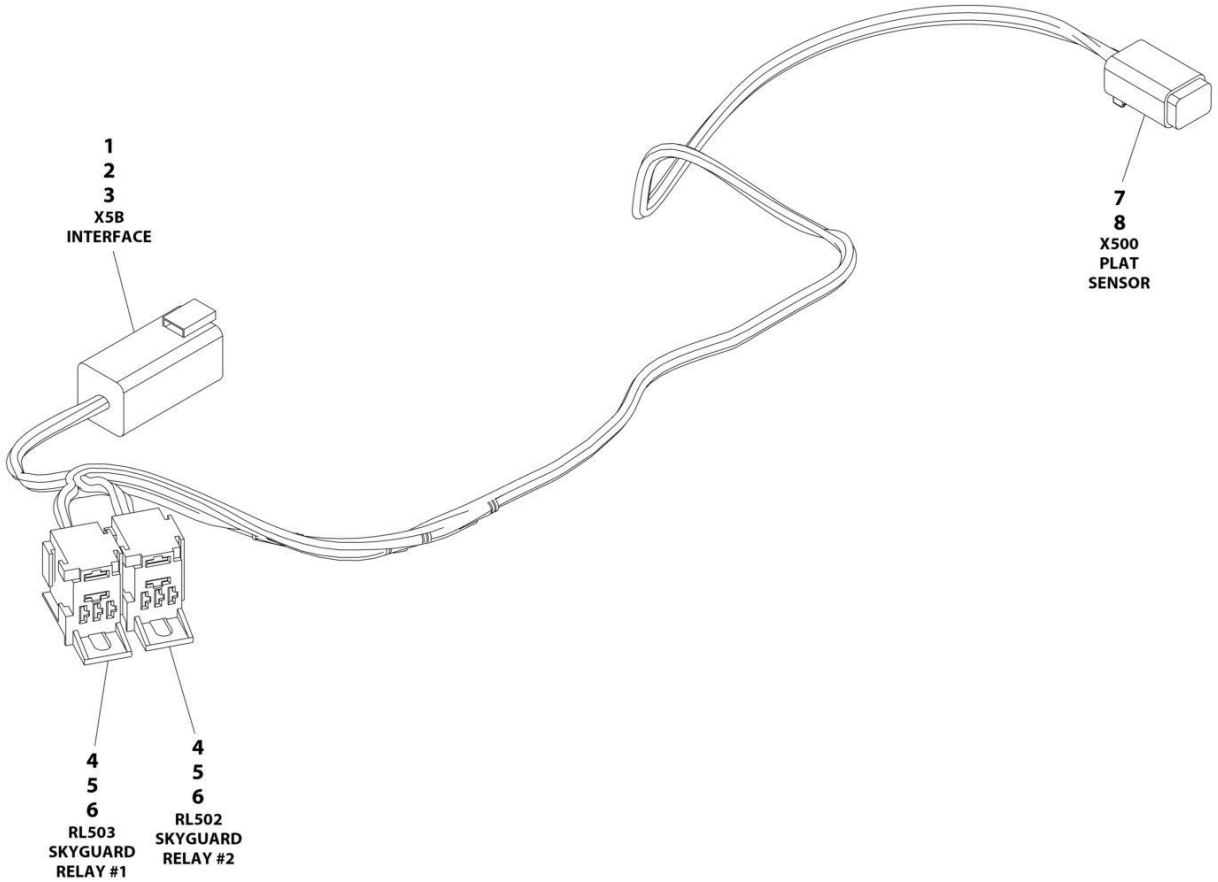


FIGURE 8-53. GENERATOR TO PLATFORM HARNESS - WITH SKYGUARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225580	Ref	GENERATOR TO PLATFORM HARNESS - WITH SKYGUARD	C
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	4460844	1	Connector	
8	4460465	4	Terminal	

FIGURE 8-54. KUBOTA ENGINE HARNESS

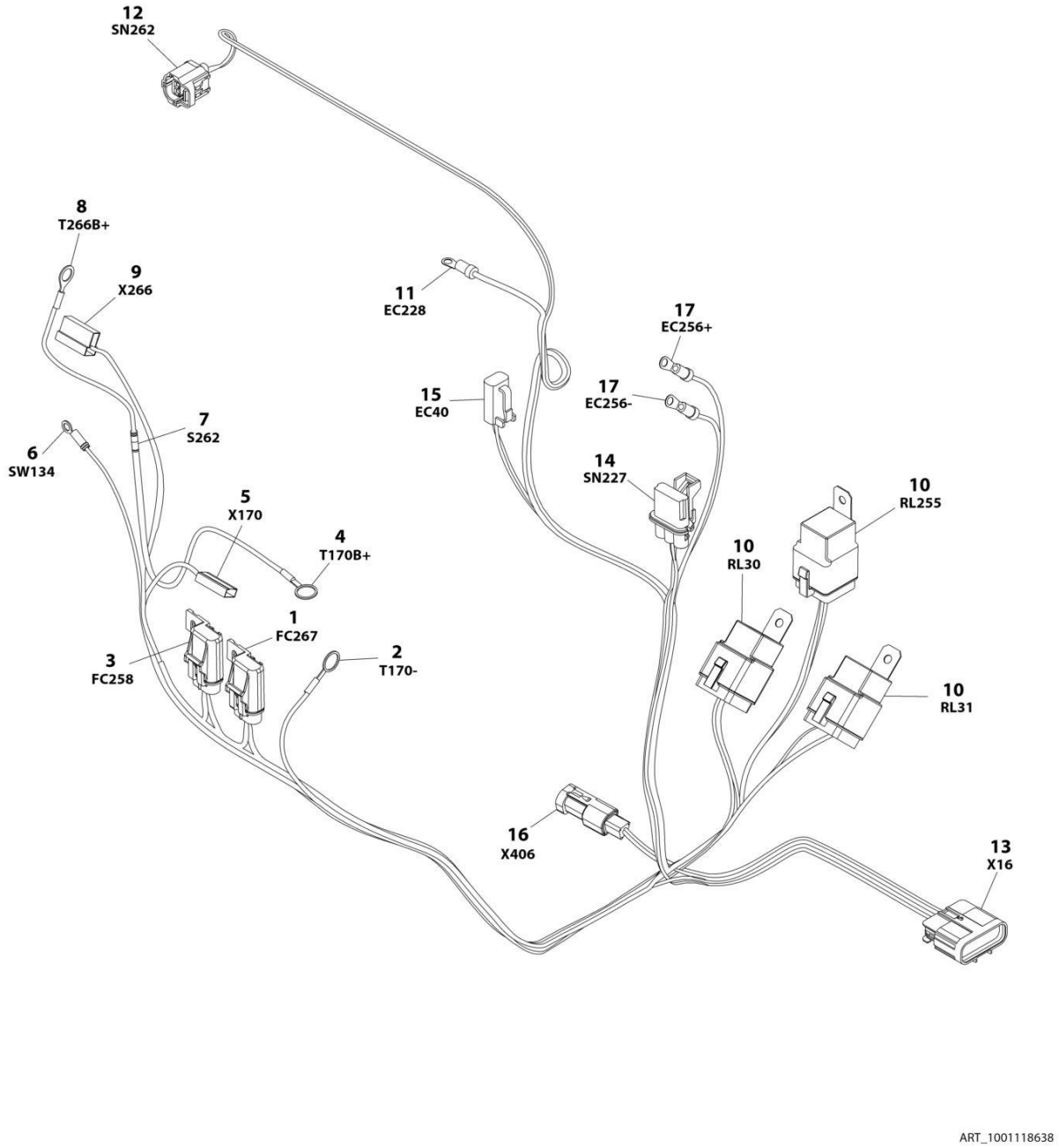


FIGURE 8-54. KUBOTA ENGINE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118638	Ref	KUBOTA ENGINE HARNESS	G
1	1001117070	1	Connector, Fuseholder (Includes Fuse and Cap)	
1	1001116752	2	Terminal, Female	
2	4460256	1	Terminal	
3	1001118938	1	Connector, Fuseholder (Includes Fuse and Cap)	
3	1001116752	2	Terminal, Female	
4	8220164	1	Terminal	
5	1001118743	1	Connector, Receptacle	
5	1001118748	1	Terminal	
6	4460247	1	Terminal, Ring	
7	4460474	1	Terminal	
8	4460043	1	Terminal, Ring	
8	1001121574	1	Lock, Connector	
9	1001118744	1	Receptacle, Female - 2 Position	
9	1001118745	1	Terminal	
10	1001117025	3	Relay and Connector Assembly	
10	1001116734	6	Terminal	
10	1001116732	6	Terminal	
11	4460142	1	Terminal, Ring	
12	1001118657	1	Plug, Male - 2 Position (Green)	
12	1001118658	2	Socket, Female	
13	4461109	1	Plug, Male - 16 Position	
13	1001136232	1	Lock, Connector	
13	4461111	14	Terminal, Male	
13	4461113	14	Seal	
13	4461222	2	Plug	
14	1001117055	1	Plug, Male - 3 Position	
14	4460746	3	Socket, Female	
15	4460891	1	Plug, Male - 2 Position (Gray)	
15	4460465	2	Socket, Female	
16	4461095	1	Plug, Male - 3 Position	
16	4460944	2	Terminal , Gold	
16	4460466	1	Plug, Terminal	
17	4460042	2	Terminal, Ring	

FIGURE 8-55. LIMIT SWITCH HARNESS

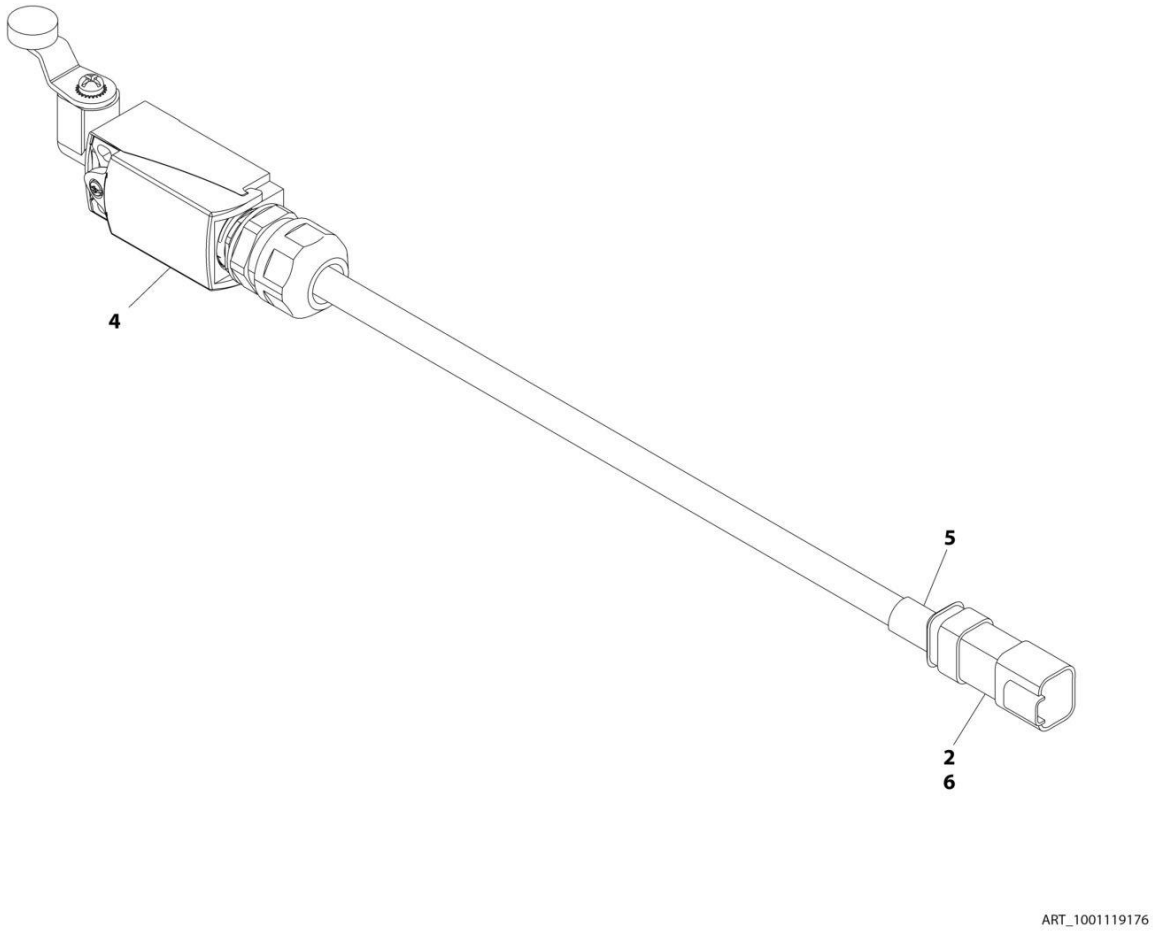


FIGURE 8-55. LIMIT SWITCH HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119176	Ref	LIMIT SWITCH HARNESS	E
2	4460464	4	Pin, Male Deutsch 16Ga	
4	1001119170	1	Switch, Limit	
5	2820030	AR	Heat Shrink	
6	1001129407	1	Receptacle, Female - 4 Position	

FIGURE 8-56. LSS HARNESS

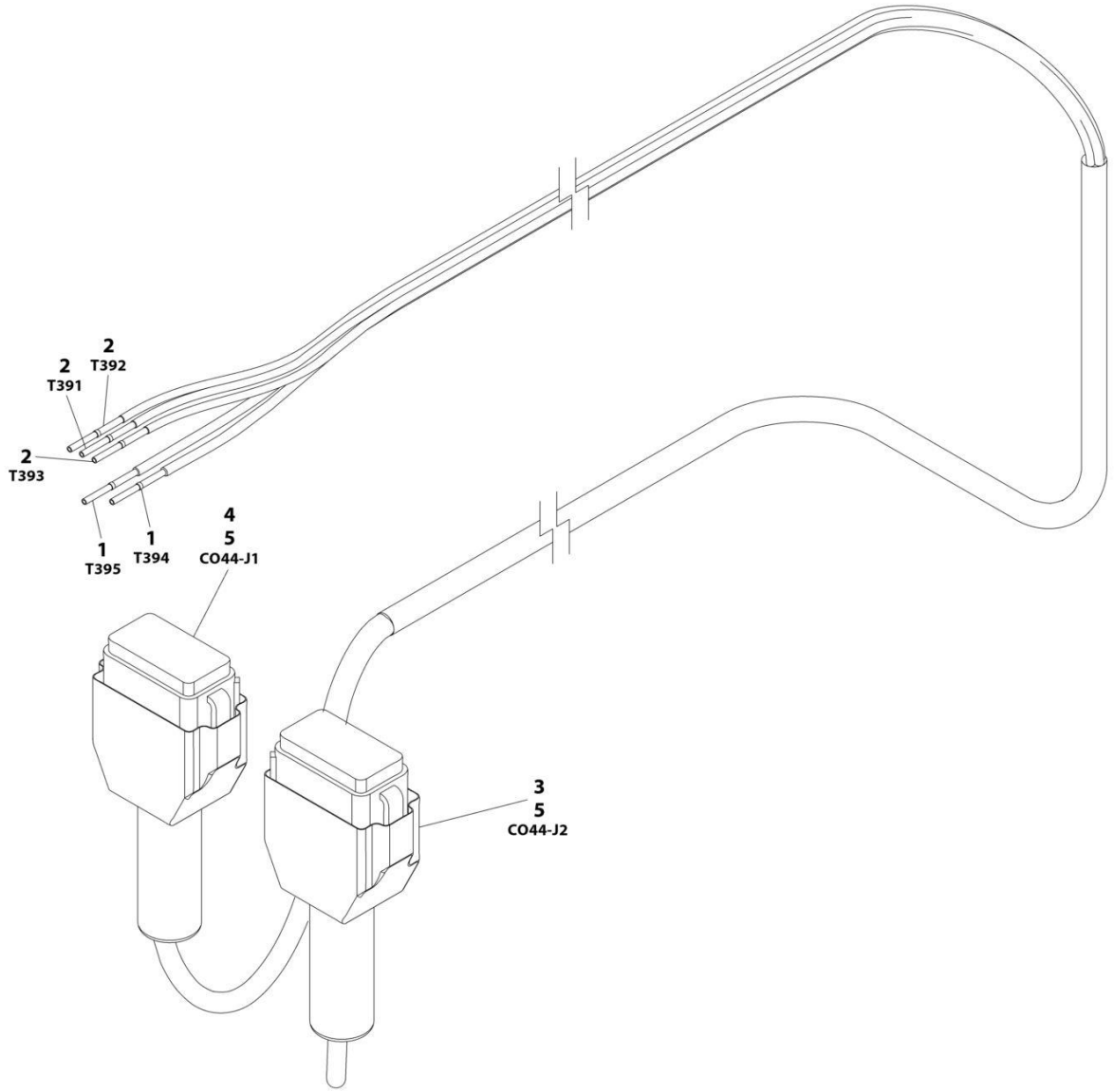


FIGURE 8-56. LSS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120371	Ref	LSS HARNESS	B
1	4460465	2	Socket, Female	
2	4460944	3	Socket, Female	
3	4460836	1	Connector - 12 Position	
3	4460944	3	Socket, Female	
3	4460466	9	Plug, Terminal	
3	0840055	1	Boot	
4	4460933	1	Connector - 12 Position	
4	4460465	2	Socket, Female	
4	4460466	10	Plug, Terminal	
4	0840055	1	Boot	
5	2820030	AR	Heat Shrink	

FIGURE 8-57. MID-ENGINE HARNESS

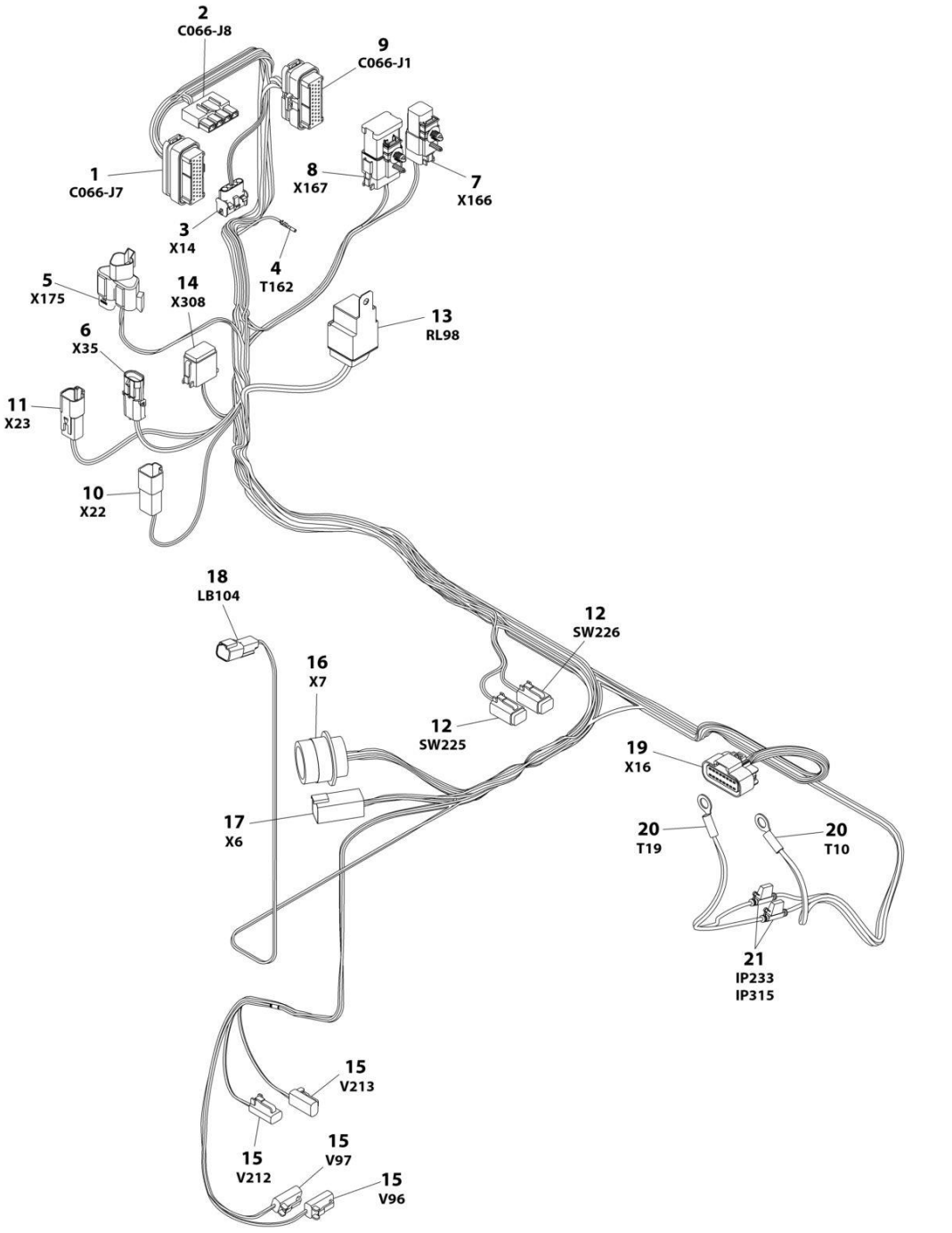


FIGURE 8-57. MID-ENGINE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118333	Ref	MID-ENGINE HARNESS	G
1	4460873	1	Connector - 35 Position	
1	4460871	19	Socket, Female	
1	4460905	16	Seal, Plug	
2	4460878	1	Connector - 4 Position	
2	4460887	6	Terminal	
3	4460761	1	Connector - 4 Position	
3	4460227	4	Pin, Male	
4	4460871	1	Socket, Female	
5	1001116812	1	Plug, Male - 3 Position	
5	4460944	3	Socket, Female	
6	4461157	1	Receptacle, Female - 2 Position	
6	4460979	1	Pin, Male	
6	1001116727	1	Seal, Plug	
7	4460894	1	Connector - 6 Position	
7	4460465	2	Socket, Female	
7	4460466	3	Plug, Terminal	
7	4460892	1	Buss Bar - 6 Position	
7	1001121172	1	Bracket, Terminal	
8	4460933	1	Connector - 12 Position	
8	4460465	3	Socket, Female	
8	4460466	7	Plug, Terminal	
8	4460837	1	Connector - 12 Position	
8	1001121172	1	Bracket, Terminal	
9	4460874	1	Connector - 35 Position	
9	4460871	21	Socket, Female	
9	4460905	14	Seal, Plug	
10	4460932	1	Receptacle, Female - 4 Position	
10	4460464	3	Pin, Female	
10	4460466	1	Plug, Terminal	
11	1001116811	1	Receptacle, Female - 4 Position	
11	4460508	3	Pin, Male	
11	4460466	1	Plug, Terminal	
12	4460884	2	Plug, Male - 4 Position	
12	4460465	6	Socket, Female	
12	4460466	2	Plug, Terminal	
13	1001117025	1	Relay and Connector Assembly	
13	1001116734	2	Terminal	
13	1001116732	2	Terminal	
14	4460930	1	Plug, Male - 8 Position	
14	4460465	2	Socket, Female	
14	4460466	6	Plug, Terminal	
15	4460891	4	Connector - 2 Position	
15	4460465	8	Socket, Female	
16	4460866	1	Connector - 19 Position	
16	4460943	3	Pin, Male	
16	4460464	6	Pin, Male	
16	4460508	4	Pin, Male	
16	4460466	6	Plug, Terminal	
17	4460899	1	Connector - 6 Position	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	4460464	6	Pin, Male	
18	4460897	1	Connector - 2 Position	
18	4460464	2	Pin, Male	
19	4461110	1	Receptacle Female - 16 Position	
19	1001136231	1	Lock, Connector	
19	1001136232	1	Lock, Connector	
19	4461112	15	Terminal, Female	
19	4461113	15	Seal	
19	4461222	1	Plug	
20	8220164	2	Ring, Terminal	
21	2400066	2	Fuse Holder with Leads	

FIGURE 8-58. PLATFORM BOX HARNESS ASSEMBLY WITHOUT SKYGUARD

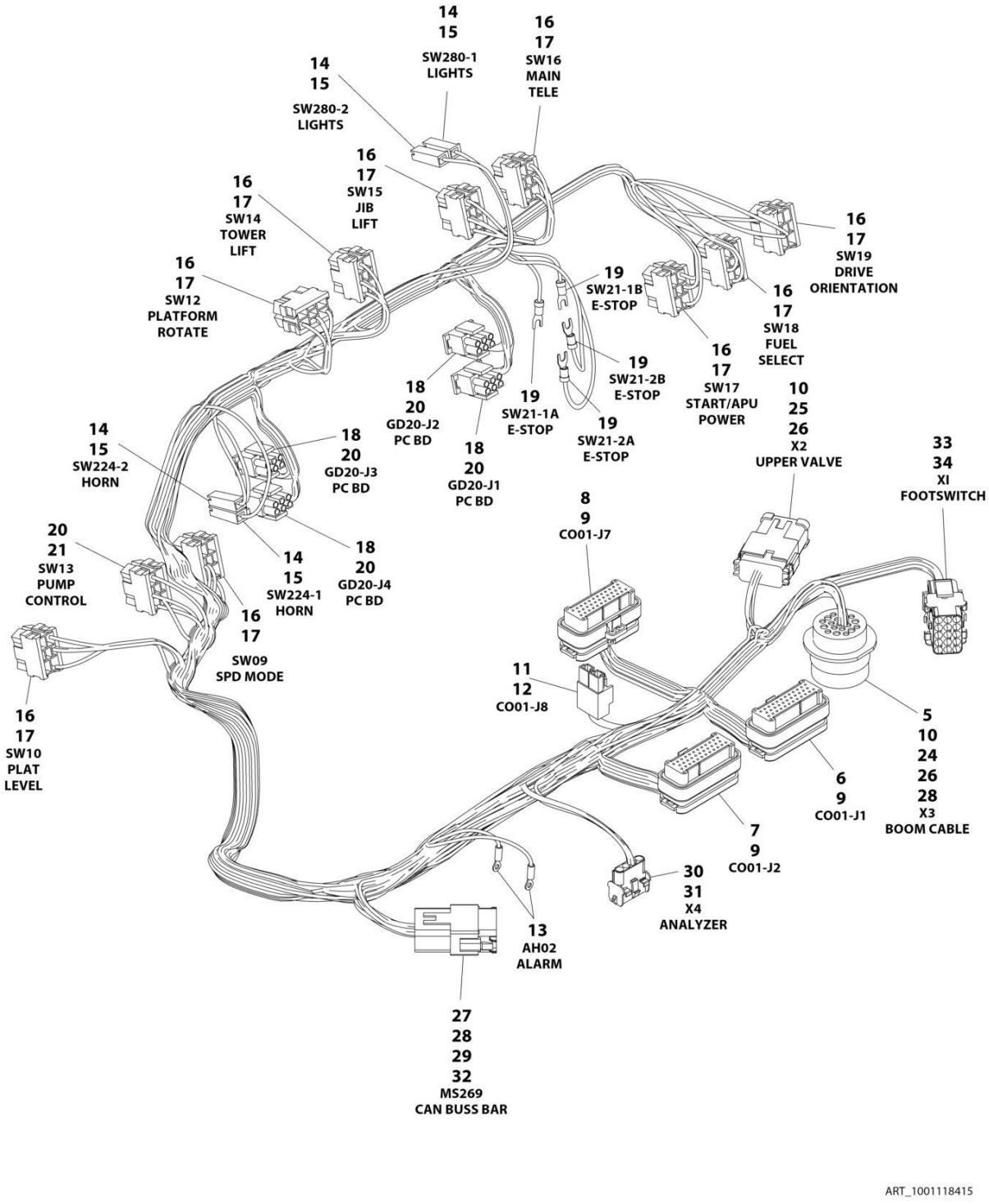


FIGURE 8-58. PLATFORM BOX HARNESS ASSEMBLY WITHOUT SKYGUARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118415	Ref	PLATFORM BOX HARNESS ASSEMBLY WITHOUT SKYGUARD	A
5	4460866	1	Connector - 19 Position	
6	4460874	1	Connector - 35 Position (Natural)	
7	4460875	1	Connector - 35 Position (Gray)	
8	4460873	1	Connector - 35 Position (Black)	
9	4460871	63	Socket, Female	
10	4460464	14	Pin, Male	
11	4460879	1	Connector - 2 Position	
12	4460887	2	Terminal	
13	4460213	2	Terminal	
14	4460260	4	Connector - 1 Position	
15	4460259	4	Terminal	
16	4460418	9	Connector - 6 Position	
17	4460419	25	Terminal	
18	4460226	15	Socket, Female	
19	4460888	4	Terminal, Fork	
20	4460225	5	Connector - 6 Position	
21	4460227	5	Pin, Male	
22	2820118	AR	Heat Shrink	
23	2820019	AR	Heat Shrink	
24	4460508	2	Pin, Male	
25	4460970	1	Connector - 12 Position	
26	4460943	6	Pin, Male	
27	4460933	1	Connector - 12 Position	
28	4460466	12	Plug, Terminal	
29	4460944	9	Socket, Female	
30	4460761	1	Connector - 4 Position	
31	4460227	4	Pin, Male	
32	1001119020	1	Connector - 12 Position Bussbar	
33	4460434	1	Connector - 15 Position	
34	4460227	4	Pin, Male	

FIGURE 8-59. PLATFORM BOX HARNESS ASSEMBLY WITHOUT LSS OR WITH 4 CELL LSS - WITH SKYGUARD

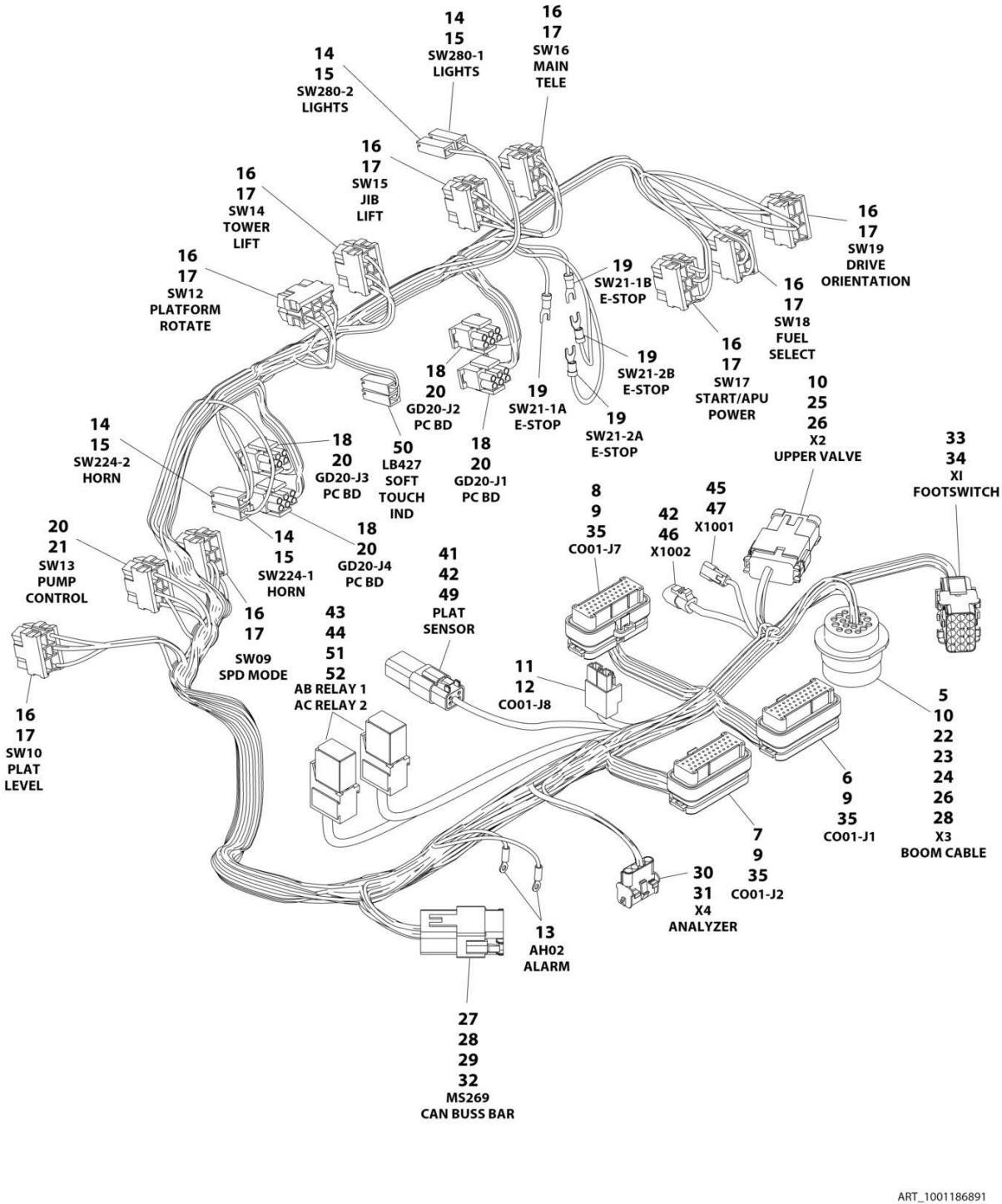


FIGURE 8-59. PLATFORM BOX HARNESS ASSEMBLY WITHOUT LSS OR WITH 4 CELL LSS - WITH SKYGUARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186891	Ref	PLATFORM BOX HARNESS ASSEMBLY WITH SKYGUARD	C
5	4460866	1	Connector - 19 Position	
6	4460874	1	Connector - 35 Position (Natural)	
7	4460875	1	Connector - 35 Position (Gray)	
8	4460873	1	Connector - 35 Position (Black)	
9	4460871	66	Socket, Female	
10	4460464	14	Pin, Male	
11	4460879	1	Connector - 2 Position	
12	4460887	2	Terminal	
13	4460213	2	Terminal	
14	4460260	4	Connector - 1 Position	
15	4460259	4	Terminal	
16	4460418	9	Connector - 6 Position	
17	4460419	25	Terminal	
18	4460226	15	Socket, Female	
19	4460888	4	Terminal, Fork	
20	4460225	5	Connector - 6 Position	
21	4460227	5	Pin, Male	
22	2820118	AR	Heat Shrink	
23	2820019	AR	Heat Shrink	
24	4460508	2	Pin, Male	
25	4460970	1	Connector - 12 Position	
26	4460943	6	Pin, Male	
27	4460933	1	Connector - 12 Position	
28	4460466	12	Plug, Terminal	
29	4460944	9	Socket, Female	
30	4460761	1	Connector - 4 Position	
31	4460227	4	Pin, Male	
32	1001119020	1	Connector - 12 Position Bussbar	
33	4460434	1	Connector - 15 Position	
34	4460227	4	Pin, Male	
35	4460905	39	Plug, Terminal	
41	4460884	1	Plug, Male - 4 Position	
42	4460944	6	Socket, Female	
43	1001116720	4	Terminal	
44	1001118388	4	Terminal	
45	4460536	1	Receptacle, Female - 3 Position	
46	4460539	1	Plug, Male - 3 Position	
47	4460943	2	Pin, Male	
49	4460932	1	Receptacle, Female - 4 Position	
50	4460016	2	Terminal	
51	1001186431	2	Relay	
52	1001186432	2	Holder, Relay	

FIGURE 8-60. PLATFORM BOX HARNESS ASSEMBLY WITH 1 CELL LSS - WITH SKYGUARD

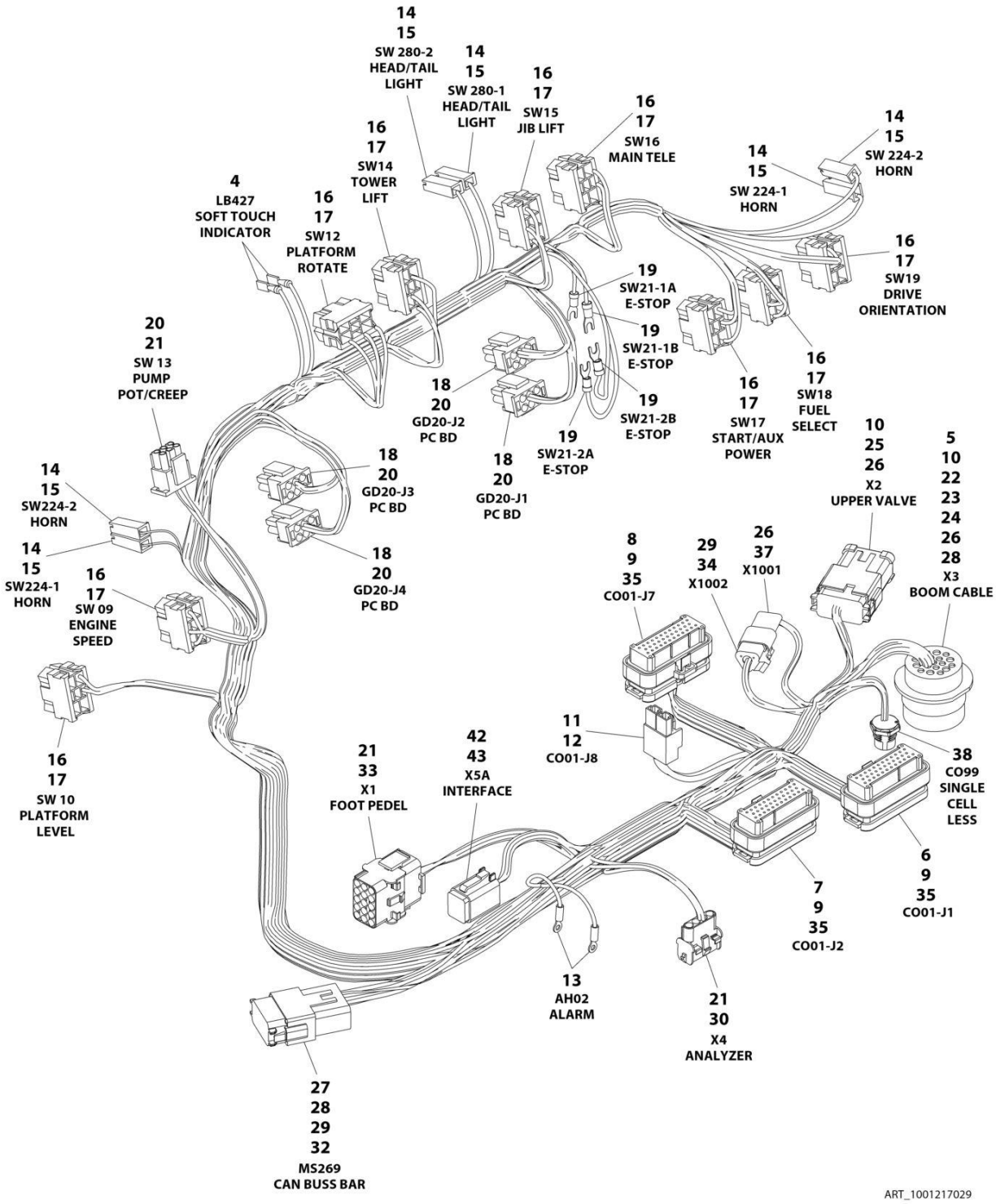


FIGURE 8-60. PLATFORM BOX HARNESS ASSEMBLY WITH 1 CELL LSS - WITH SKYGUARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217029	Ref	PLATFORM BOX HARNESS ASSEMBLY WITH 1 CELL LSS - WITH SKYGUARD	D
4	4460016	2	Terminal, Receptacle	
5	4460866	1	Connector - 19 Position	
6	4460874	1	Connector - 35 Position (Natural)	
7	4460875	1	Connector - 35 Position (Gray)	
8	4460873	1	Connector - 35 Position (Black)	
9	4460871	71	Socket, Female	
10	4460464	14	Pin, Male	
11	4460879	1	Connector - 2 Position	
12	4460887	2	Terminal	
13	1001098122	2	Terminal	
14	4460260	6	Connector - 1 Position	
15	4460259	6	Terminal	
16	4460418	9	Connector - 6 Position	
17	4460419	25	Terminal	
18	4460226	15	Socket, Female	
19	4460888	4	Terminal, Fork	
20	4460225	5	Connector - 6 Position	
21	4460227	15	Pin, Male	
22	2820118	AR	Heat Shrink	
23	2820019	AR	Heat Shrink	
24	4460508	2	Pin, Male	
25	4460970	1	Connector - 12 Position	
26	4460943	6	Pin, Male	
27	4460933	1	Connector - 12 Position	
28	4460466	12	Plug, Terminal	
29	4460944	9	Socket, Female	
30	4460761	1	Connector - 4 Position	
32	1001119020	1	Connector - 12 Position Bussbar	
33	4460434	1	Connector - 15 Position	
34	4460539	1	Plug, Male - 3 Position	
35	4460905	34	Plug, Terminal	
37	4460536	1	Receptacle, Female - 3 Position	
38	1001213447	1	Receptacle, Female - 5 Position	
42	4460894	1	Receptacle, Female - 6 Position	
43	4460465	6	Socket - Female	

FIGURE 8-61. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC)

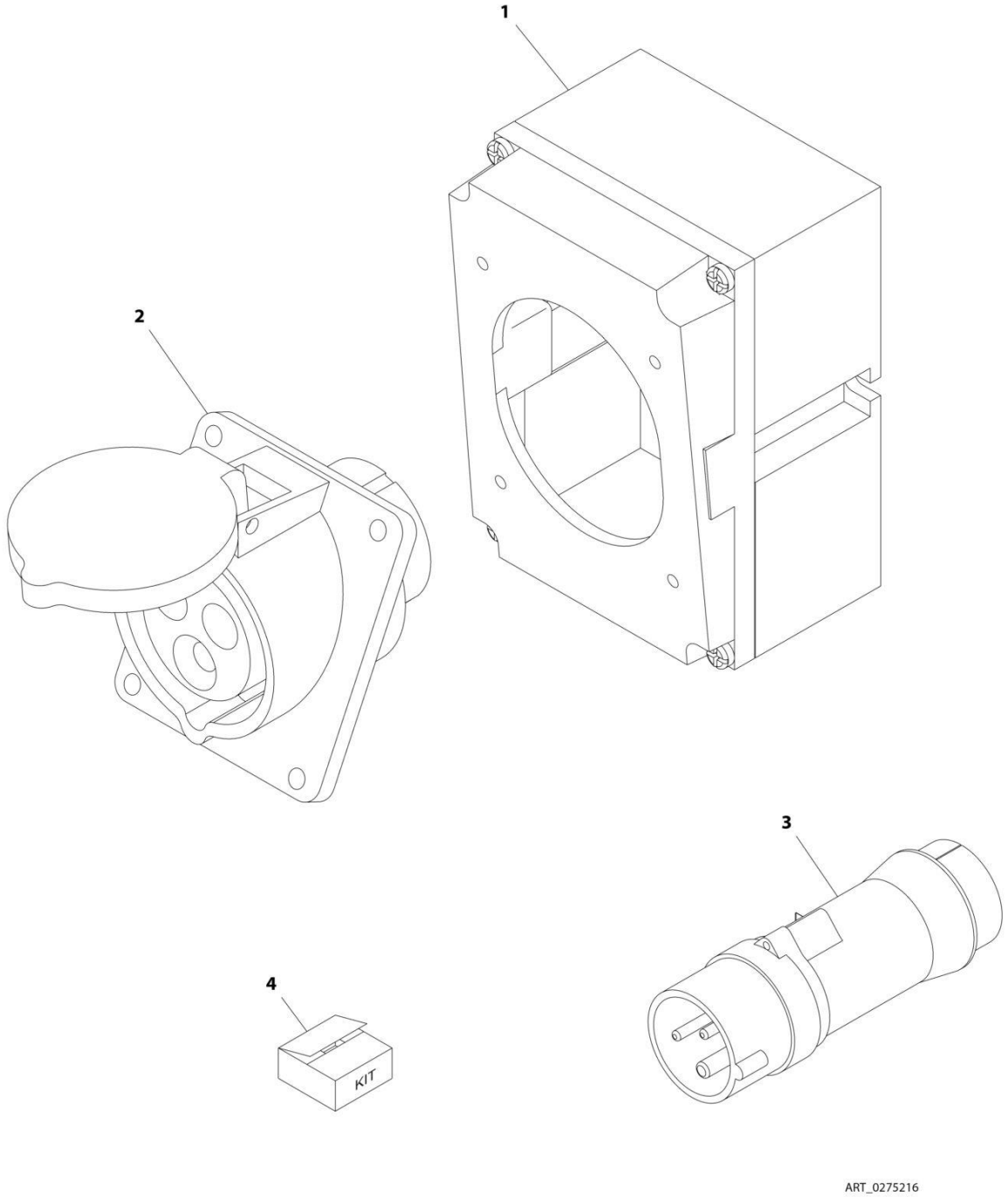


FIGURE 8-61. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275216	Ref	RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC)	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 8-62. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC)

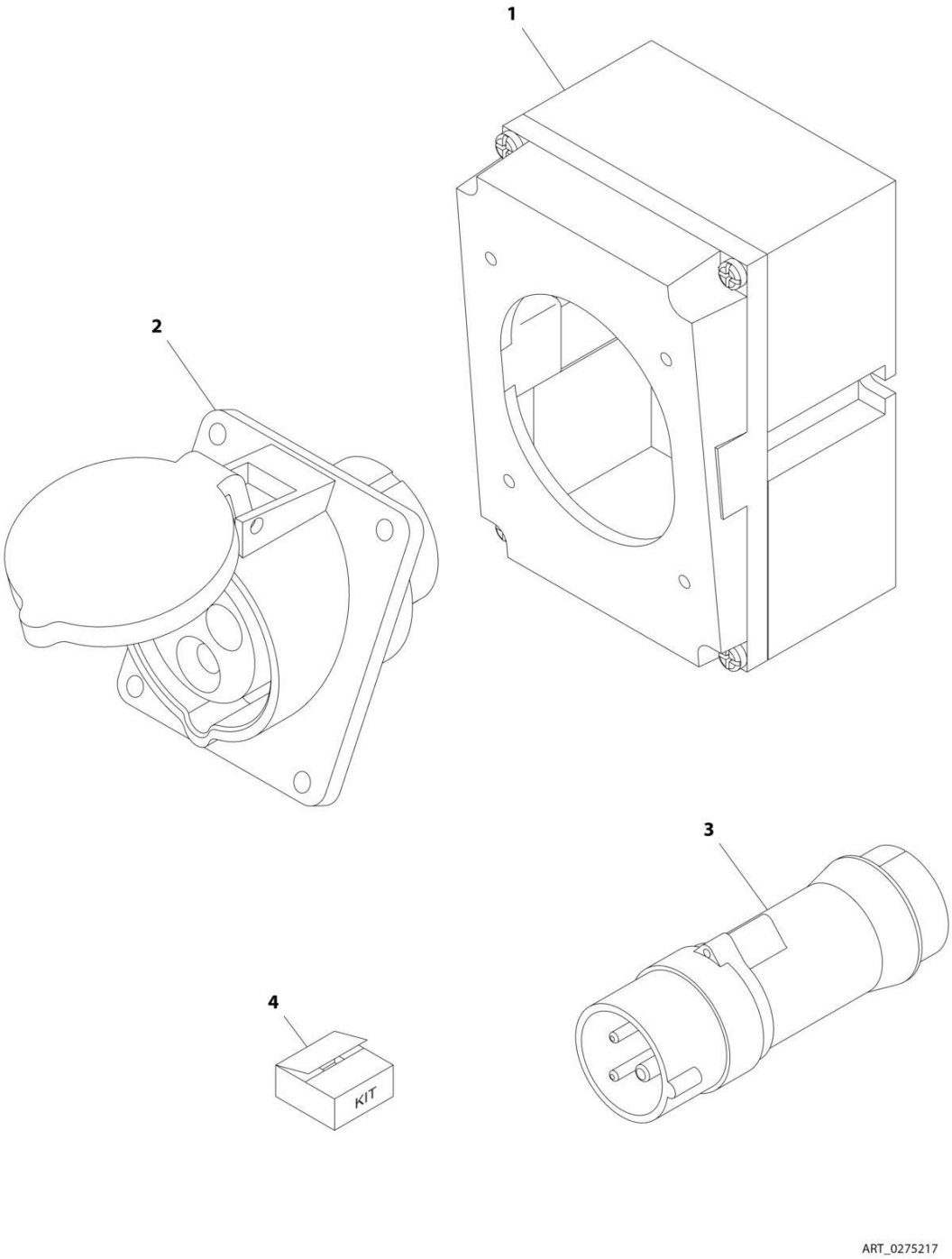


FIGURE 8-62. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275217	Ref	RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC)	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 8-63. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 70MM X 70MM BOX (CE SPEC)

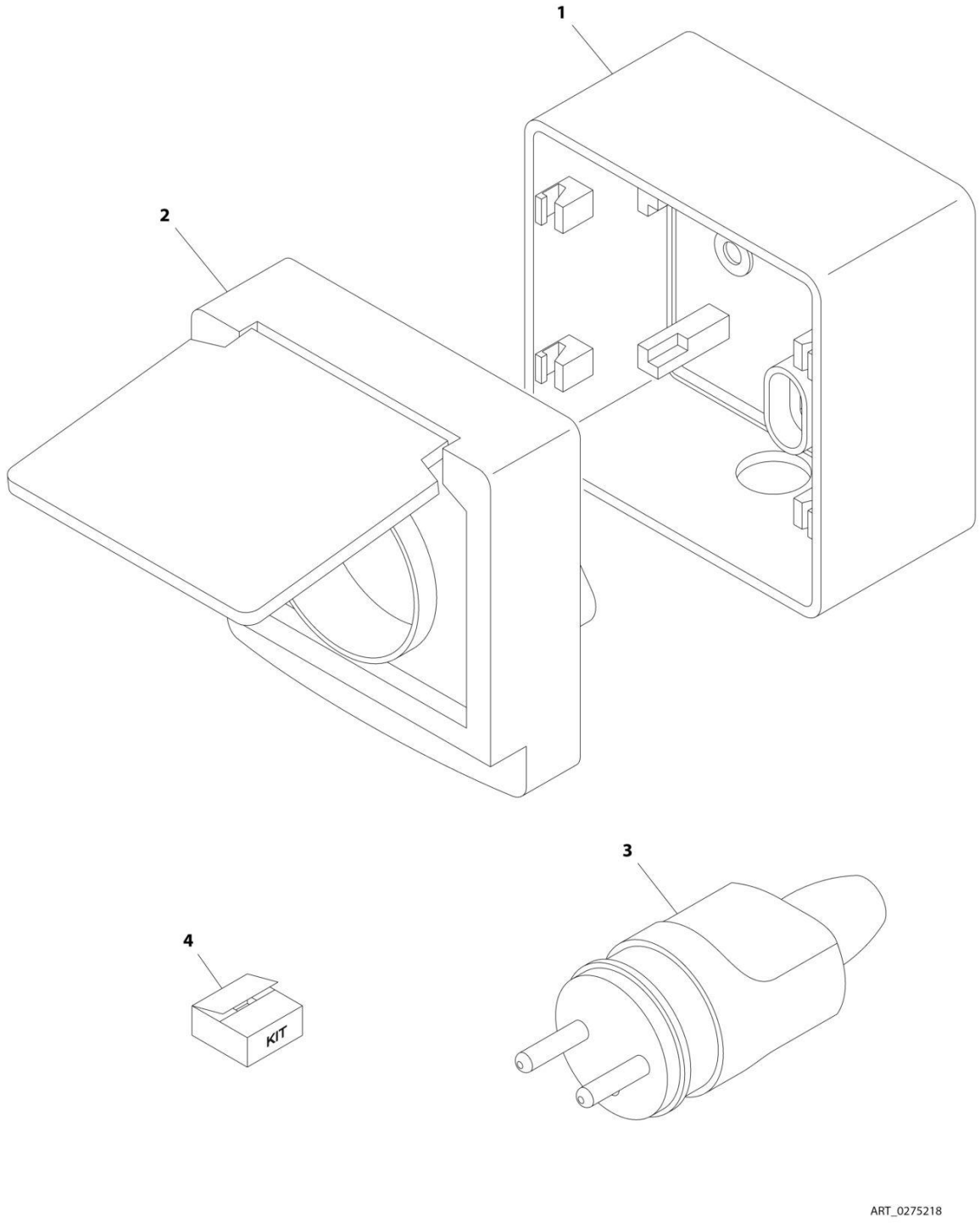


FIGURE 8-63. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 70MM X 70MM BOX (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275218	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 70MM X 70MM BOX (CE SPEC)	C
1	1001141967	1	Box, Switch	
2	1001141968	1	Receptacle	
3	4461202	NLA	Plug, Male (Use p/n 4461205) **(SN 0300200802 through 0300218349)**	
3	4461205	1	Plug, Male **(SN 0300218350 through 0300272222, Except SN 0300272191 through 0300272192)**	
4	1001141971	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461206)	

FIGURE 8-64. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 70MM X 70MM BOX (CE SPEC)

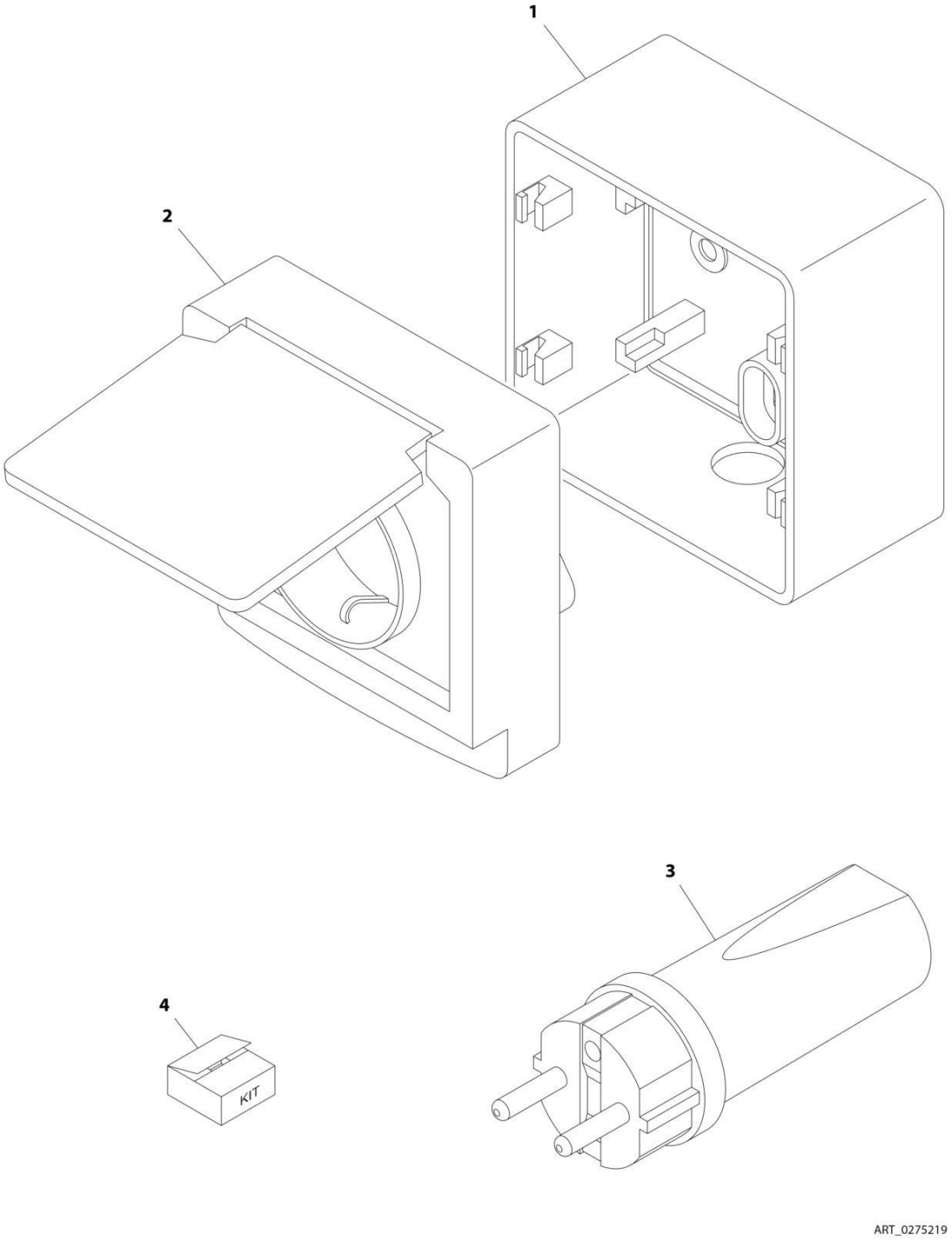


FIGURE 8-64. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 70MM X 70MM BOX (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275219	Ref	RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 70MM X 70MM BOX (CE SPEC)	B
1	1001141967	1	Box, Switch	
2	1001141969	1	Receptacle	
3	4461205	1	Plug, Male	
4	1001141970	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461206)	

FIGURE 8-65. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN BOX (CE SPEC)

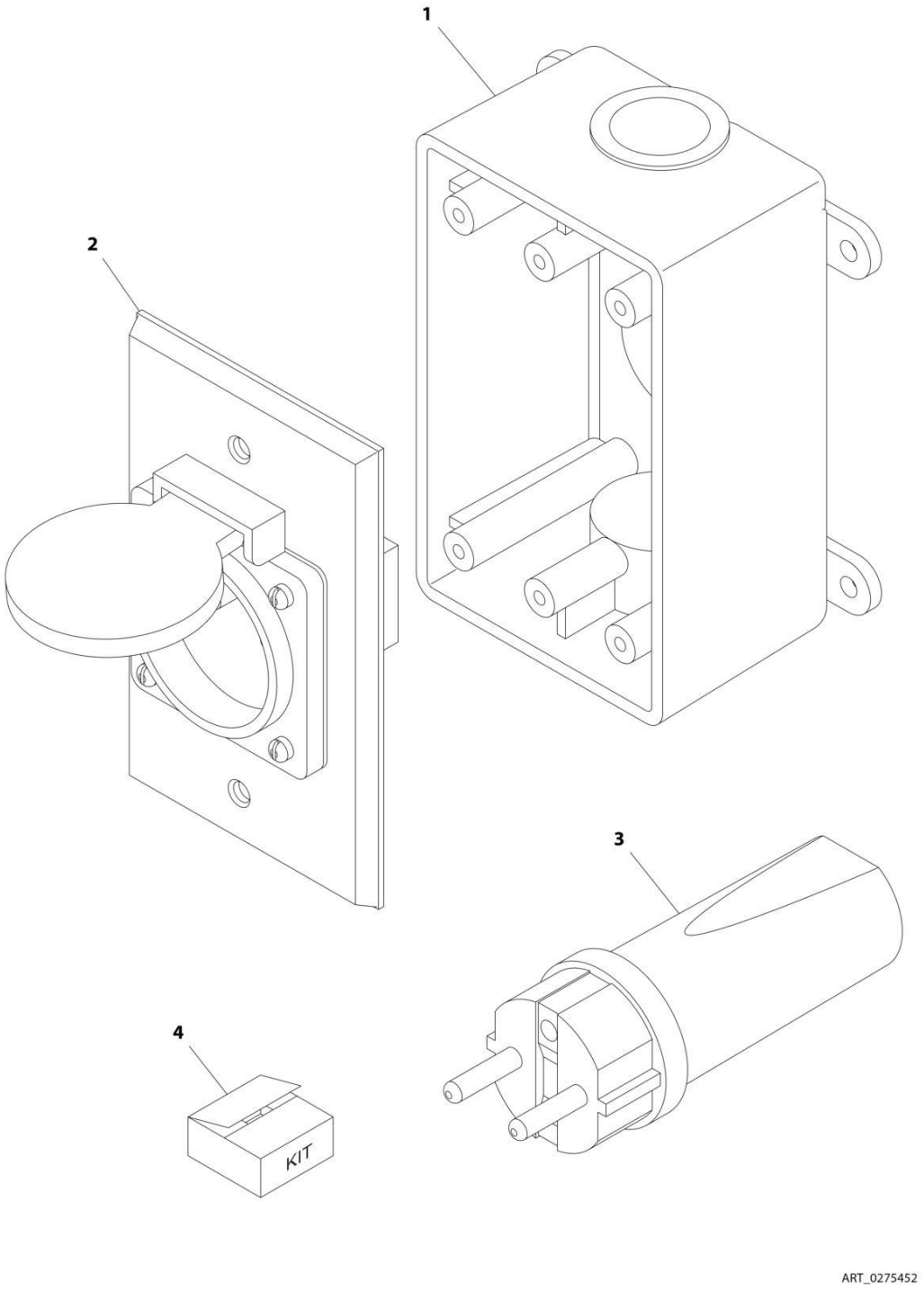


FIGURE 8-65. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN BOX (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275452	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN BOX (CE SPEC)	C
1	0861731	1	Box, Switch	
2	4461244	1	Receptacle	
3	4461202	NLA	Plug, Male (Use p/n 4461205) **(SN 0300200802 through 0300218349)**	
3	4461205	1	Plug, Male **(SN 0300218350 through 0300272222, Except SN 0300272191 through 0300272192)**	
4	1001100345	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461206)	

FIGURE 8-66. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN BOX (CE SPEC)

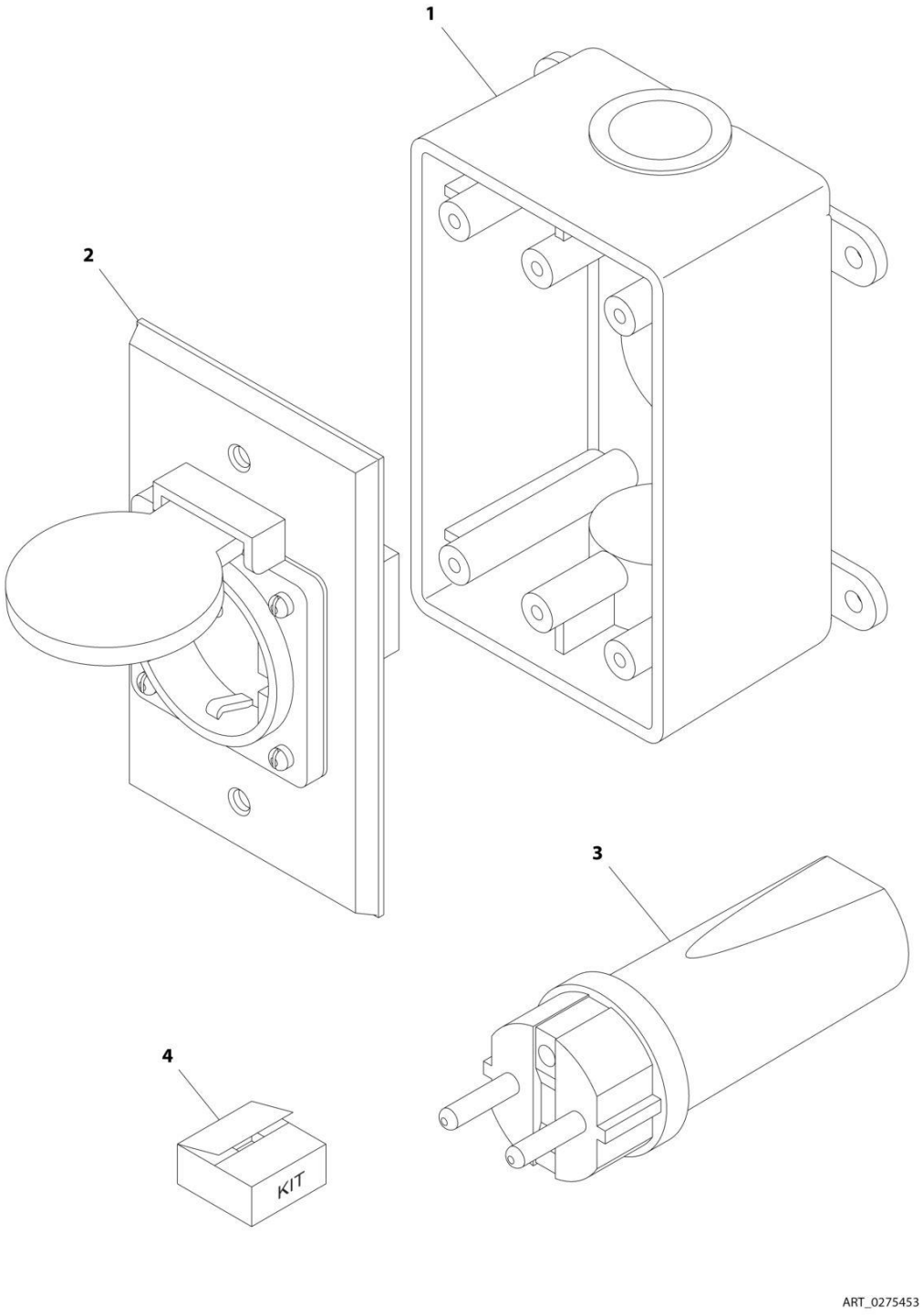


FIGURE 8-66. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN BOX (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275453	Ref	RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN BOX (CE SPEC)	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 8-67. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)

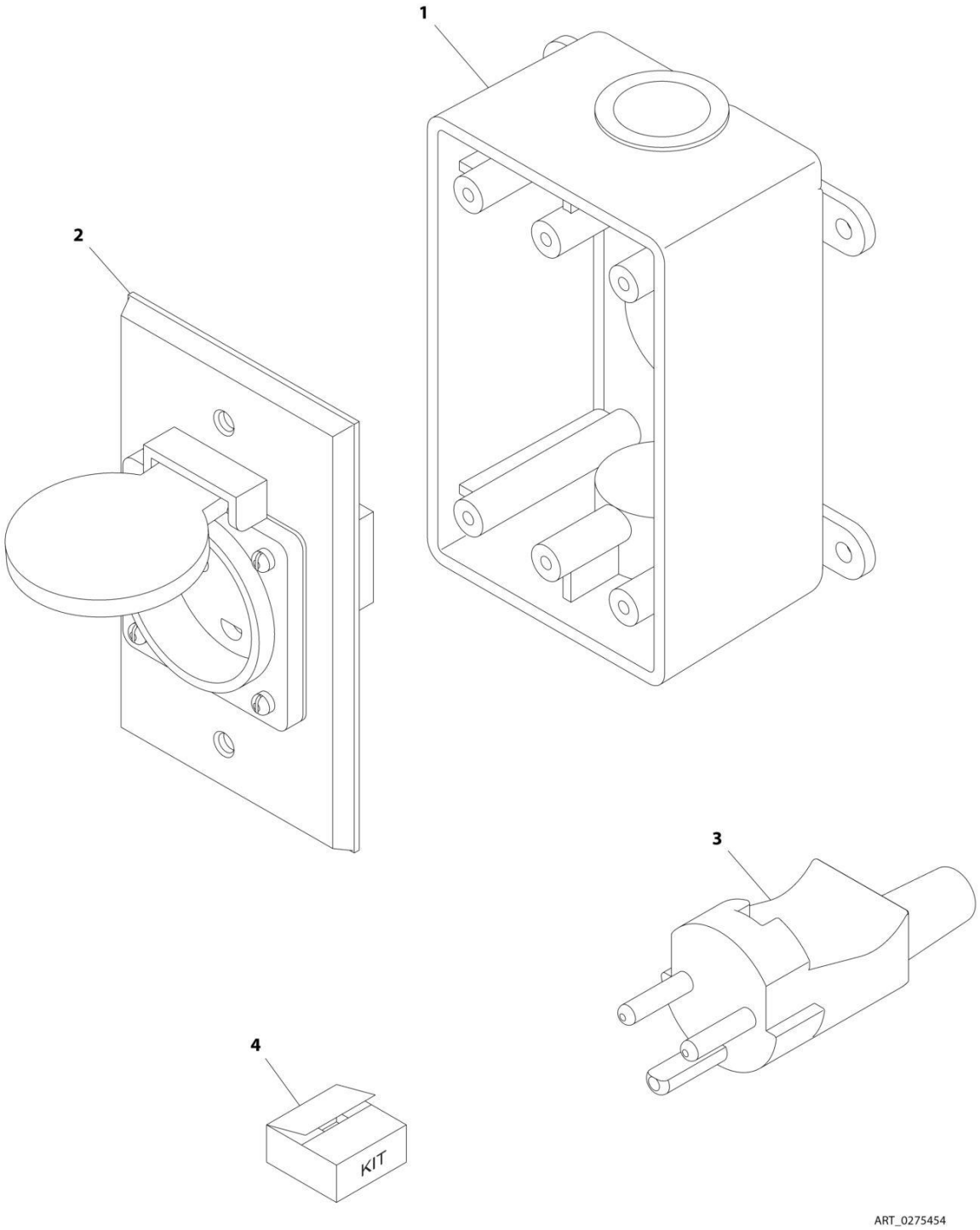


FIGURE 8-67. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275454	Ref	RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)	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 8-68. SKYEYE EMITTER HARNESS

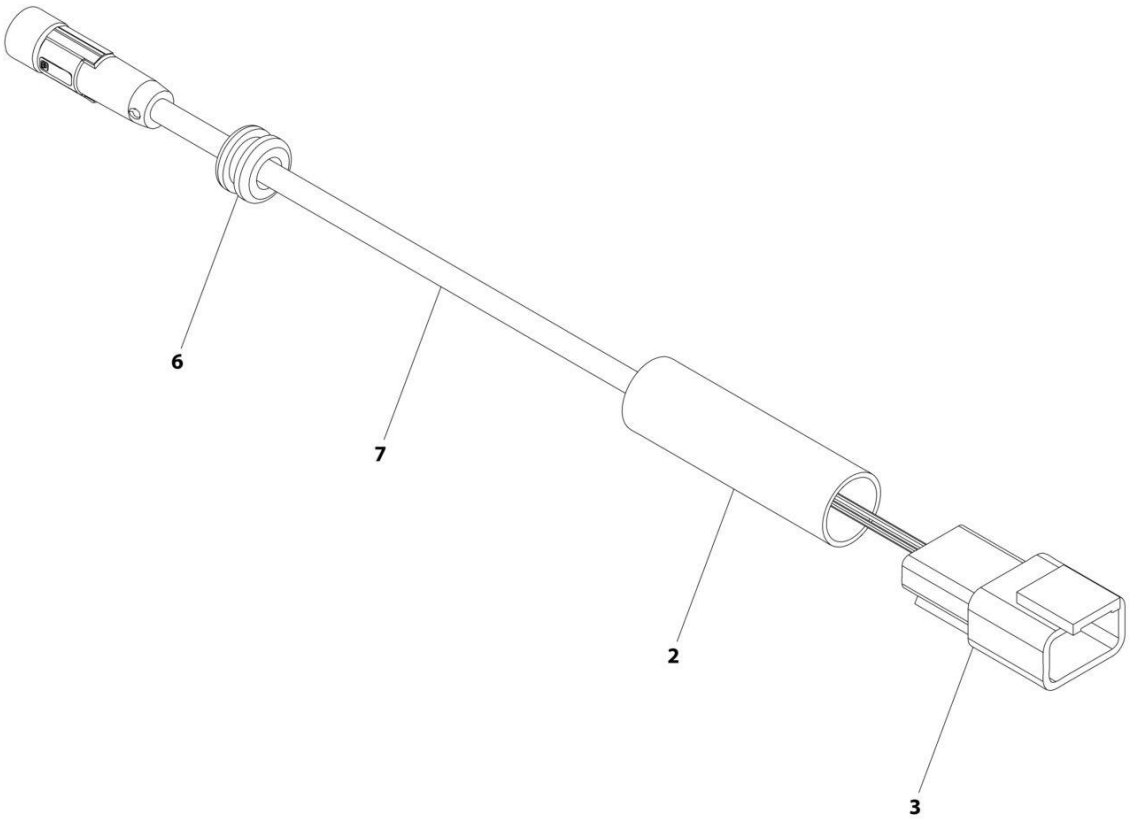
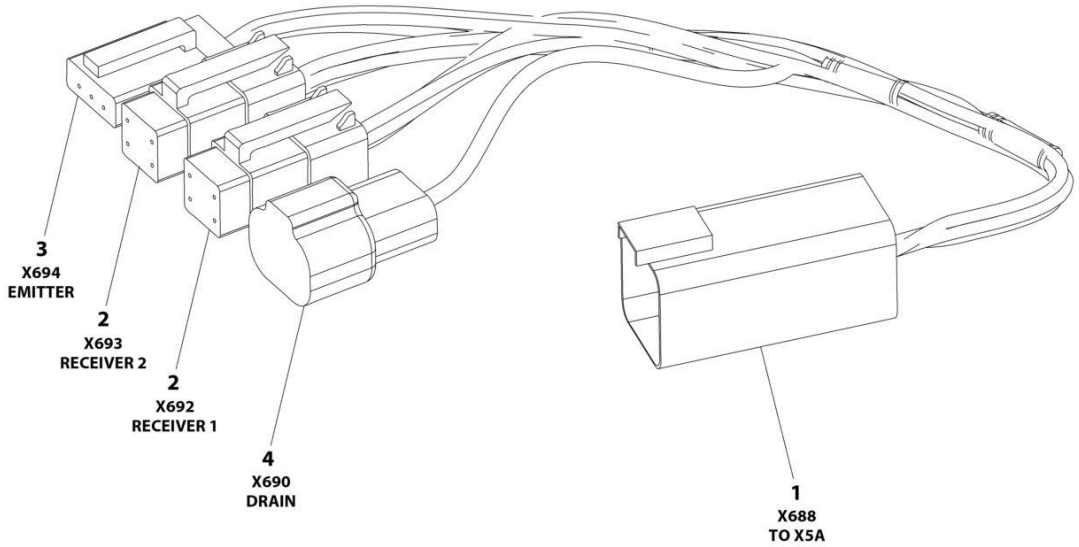


FIGURE 8-68. SKYEYE EMITTER HARNESS

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 8-69. SKYEYE INTERMEDIATE HARNESS



ART_1001237865

FIGURE 8-69. 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 8-70. SKYEYE RECEIVER HARNESS

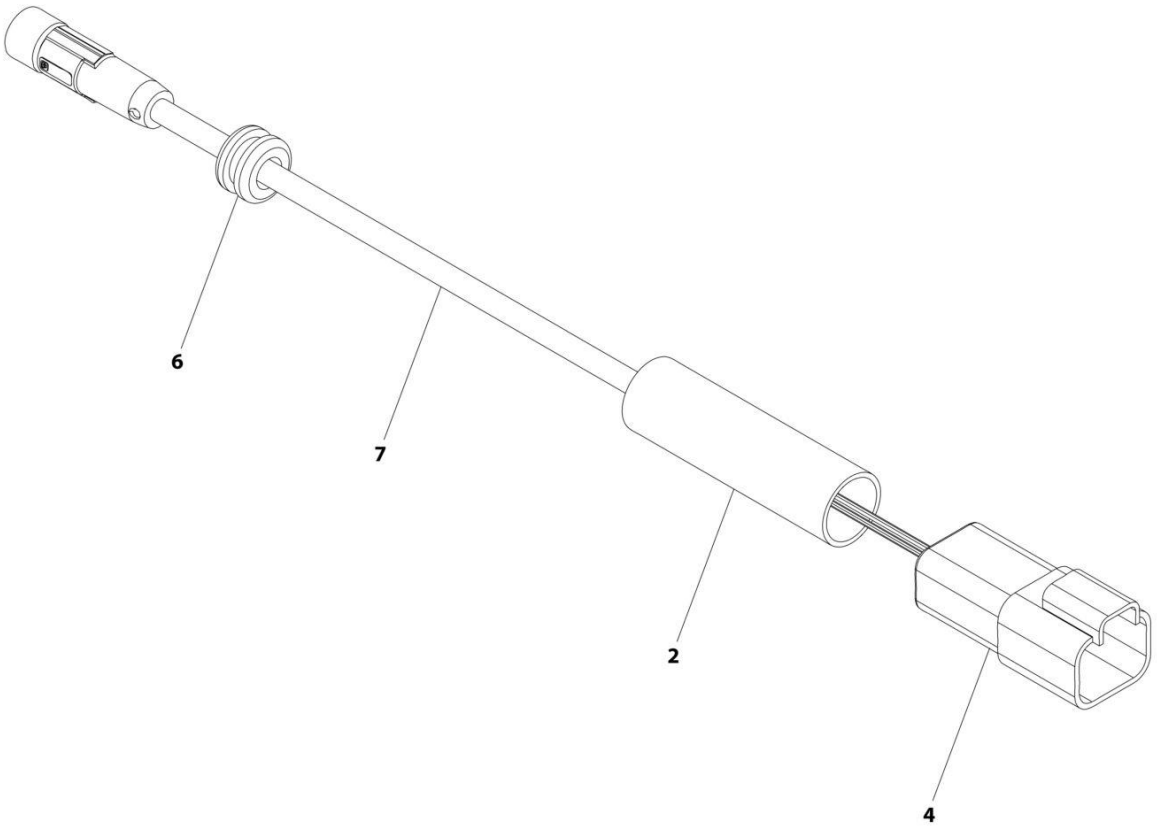


FIGURE 8-70. SKYEYE RECEIVER HARNESS

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 8-71. SKYLINE HARNESS

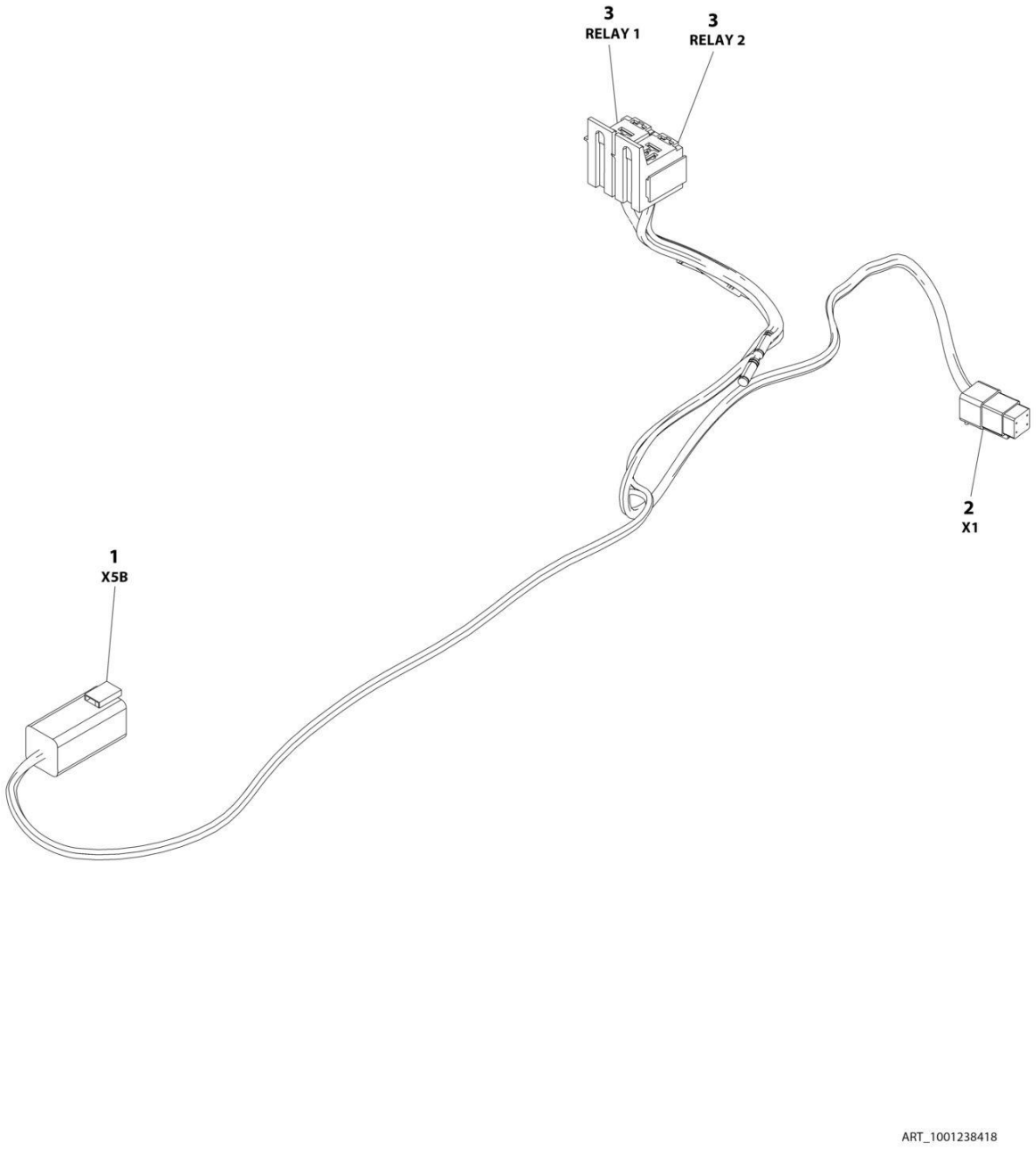


FIGURE 8-71. SKYLINE HARNESS

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 8-72. STROBE LIGHT CONTROL (BLUE STROBE LIGHT)

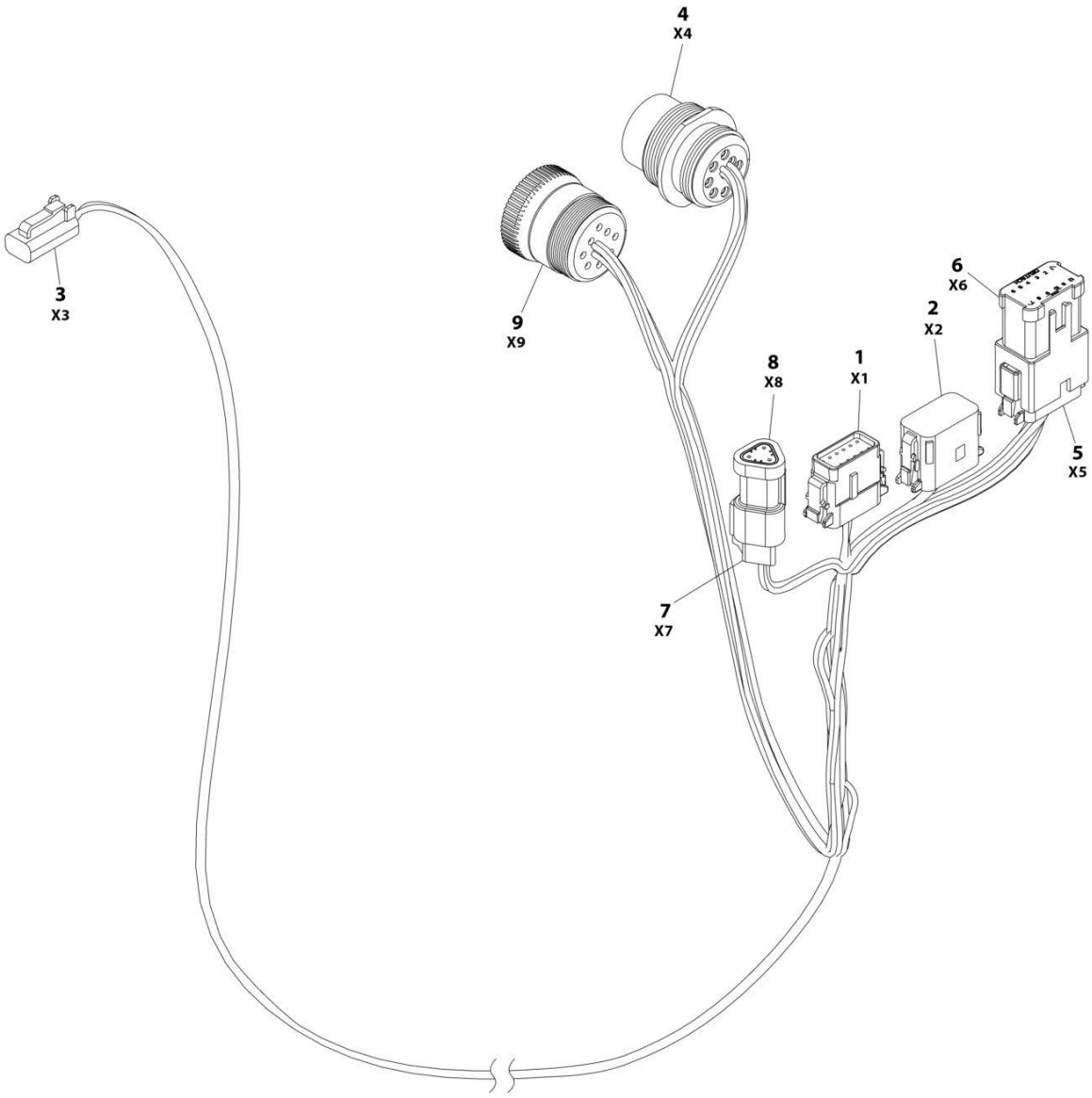
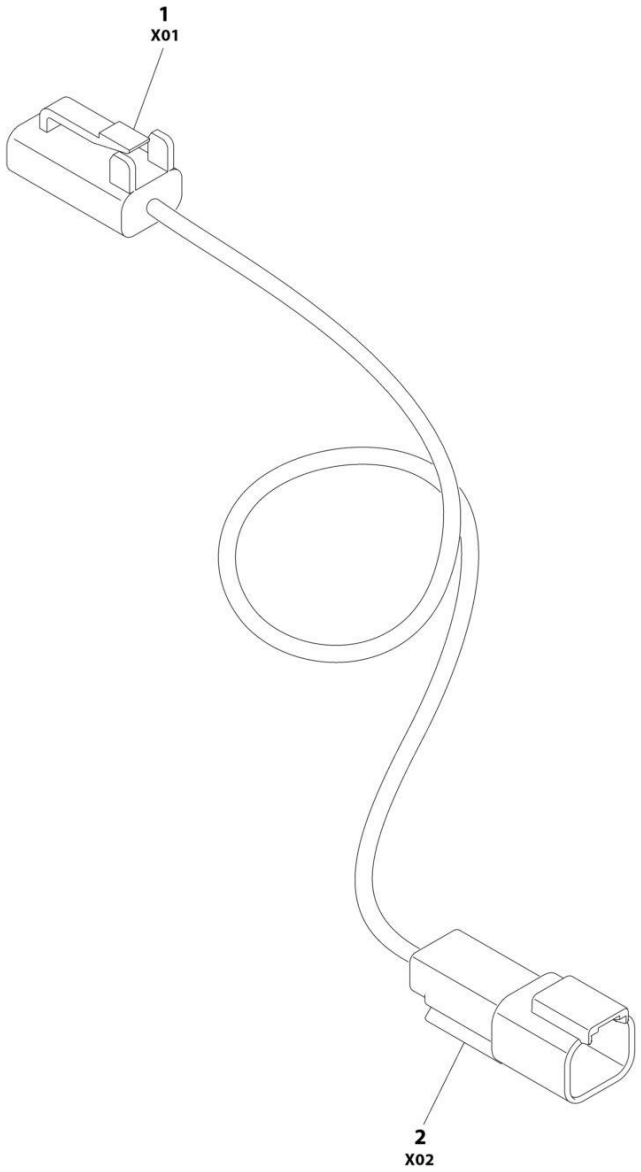


FIGURE 8-72. STROBE LIGHT CONTROL (BLUE STROBE LIGHT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142736	Ref	STROBE LIGHT CONTROL (BLUE STROBE LIGHT)	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 8-73. STROBE LIGHT EXTENSION HARNESS (BLUE STROBE LIGHT ONLY)



ART_1001159027

FIGURE 8-73. STROBE LIGHT EXTENSION HARNESS (BLUE STROBE LIGHT ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159027	Ref	STROBE LIGHT EXTENSION HARNESS (BLUE STROBE LIGHT ONLY)	B
1	4460891	1	Plug, Male - 2 Position	
1	4460465	2	Socket, Female	
2	4460897	1	Receptacle, Female	
2	4460464	2	Pin, Male	

FIGURE 8-74. VALVE HARNESS

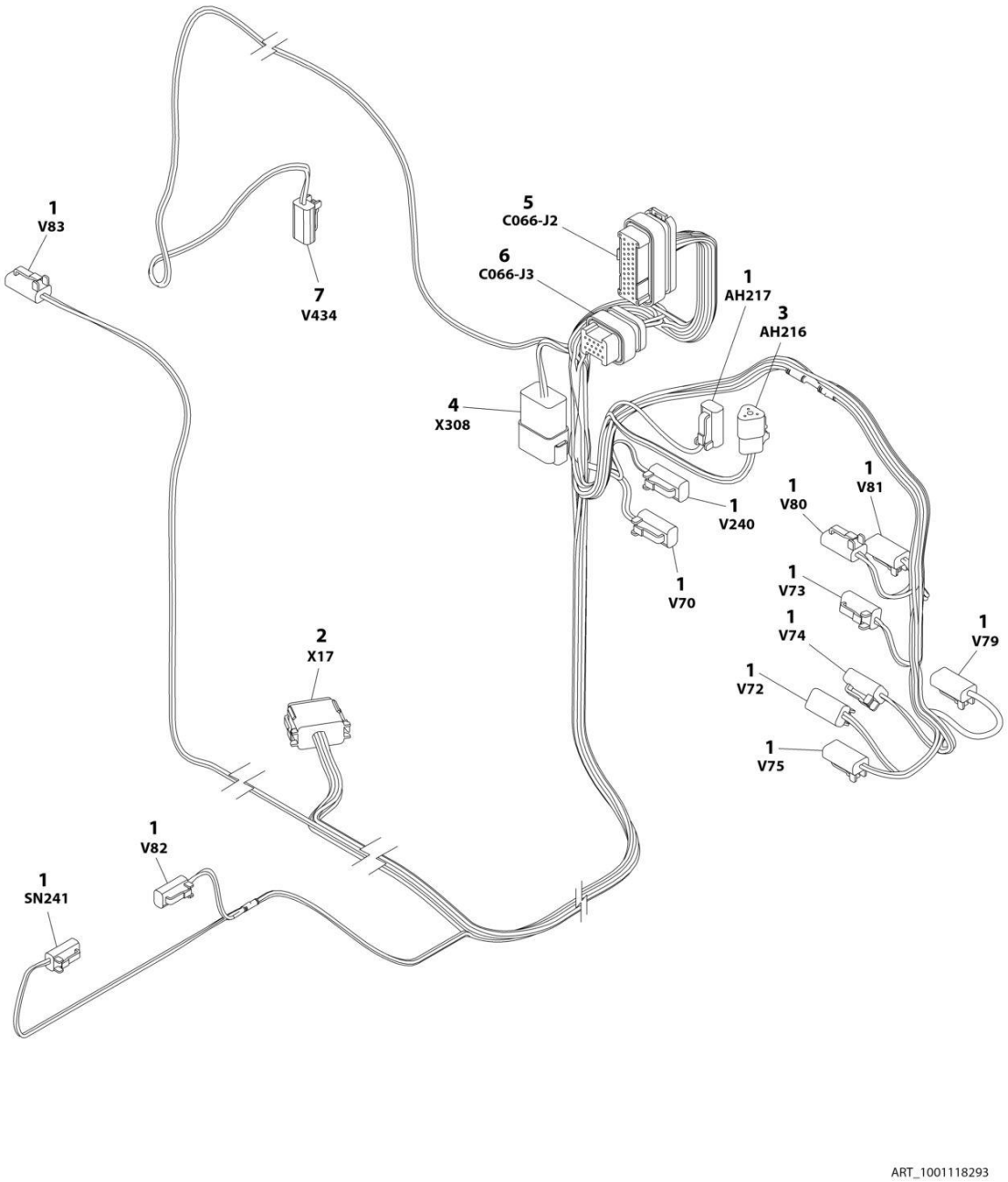


FIGURE 8-74. VALVE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118293	Ref	VALVE HARNESS	G
1	4460891	13	Plug, Male - 2 Position	
1	4460465	26	Socket, Female	
2	4460933	1	Plug, Male - 12 Position	
2	4460465	9	Socket, Female	
2	4460466	3	Plug, Terminal	
3	4460539	1	Connector - 3 Position	
3	4460465	3	Socket, Female	
4	4460931	1	Connector - 8 Position	
4	4460464	4	Pin, Male	
4	4460466	4	Plug, Terminal	
5	4460875	1	Connector - 35 Position	
5	4460871	24	Socket, Female	
5	4460905	11	Plug, Terminal	
6	4460872	1	Connector - 14 Position	
6	4460871	7	Socket, Female	
6	4460905	6	Plug, Terminal	
7	4460891	1	Plug, Male - 2 Position **(SN 0300223169 through 0300272222, Except SN 0300272191 through 0300272192)**	
7	4460465	2	Socket, Female **(SN 0300223169 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 8-75. BATTERY DISCONNECT SWITCH

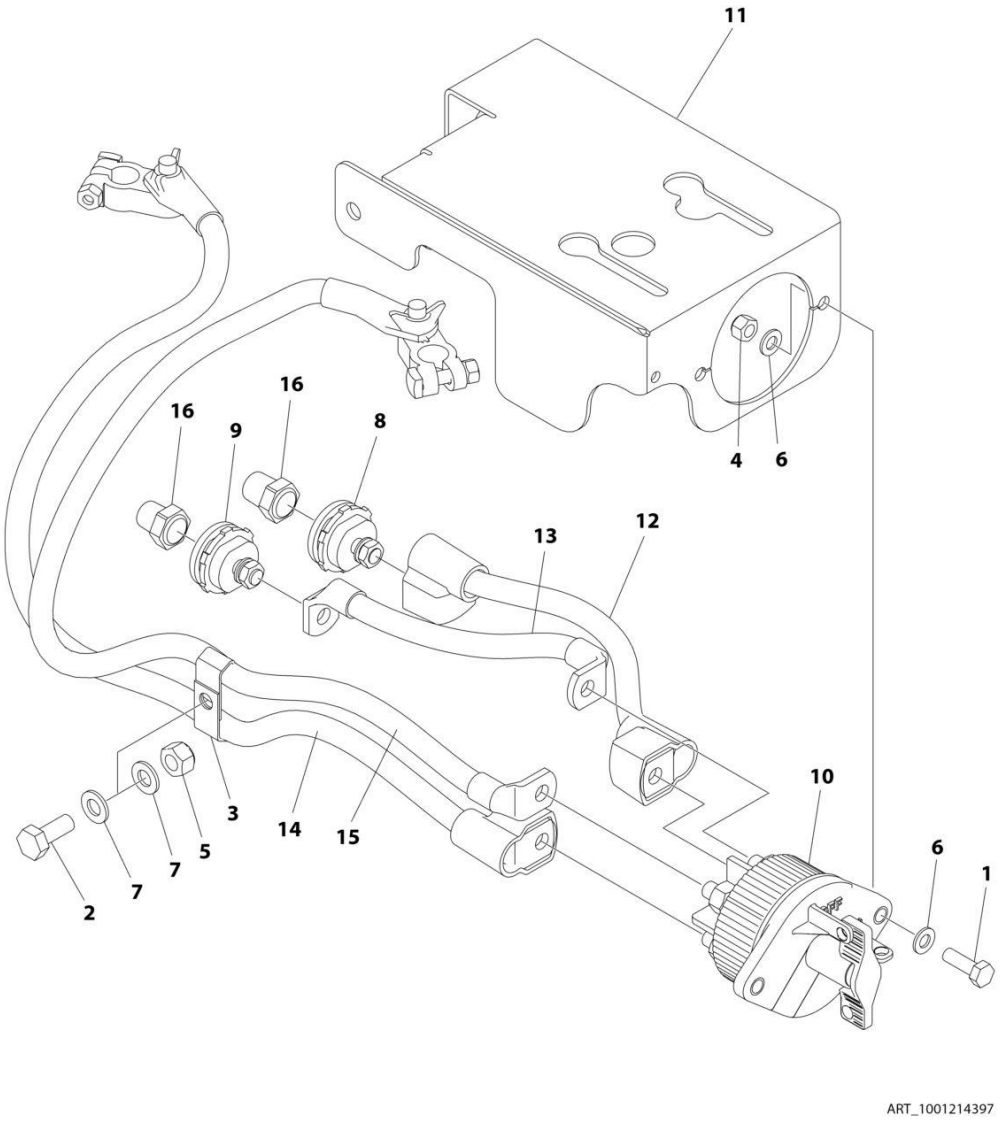


FIGURE 8-75. BATTERY DISCONNECT SWITCH

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

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SECTION 9 - DECALS

FIGURE 9-1. DECALS INSTALLATION - ANSI AND ANSI EXPORT SPECS (ENGLISH)

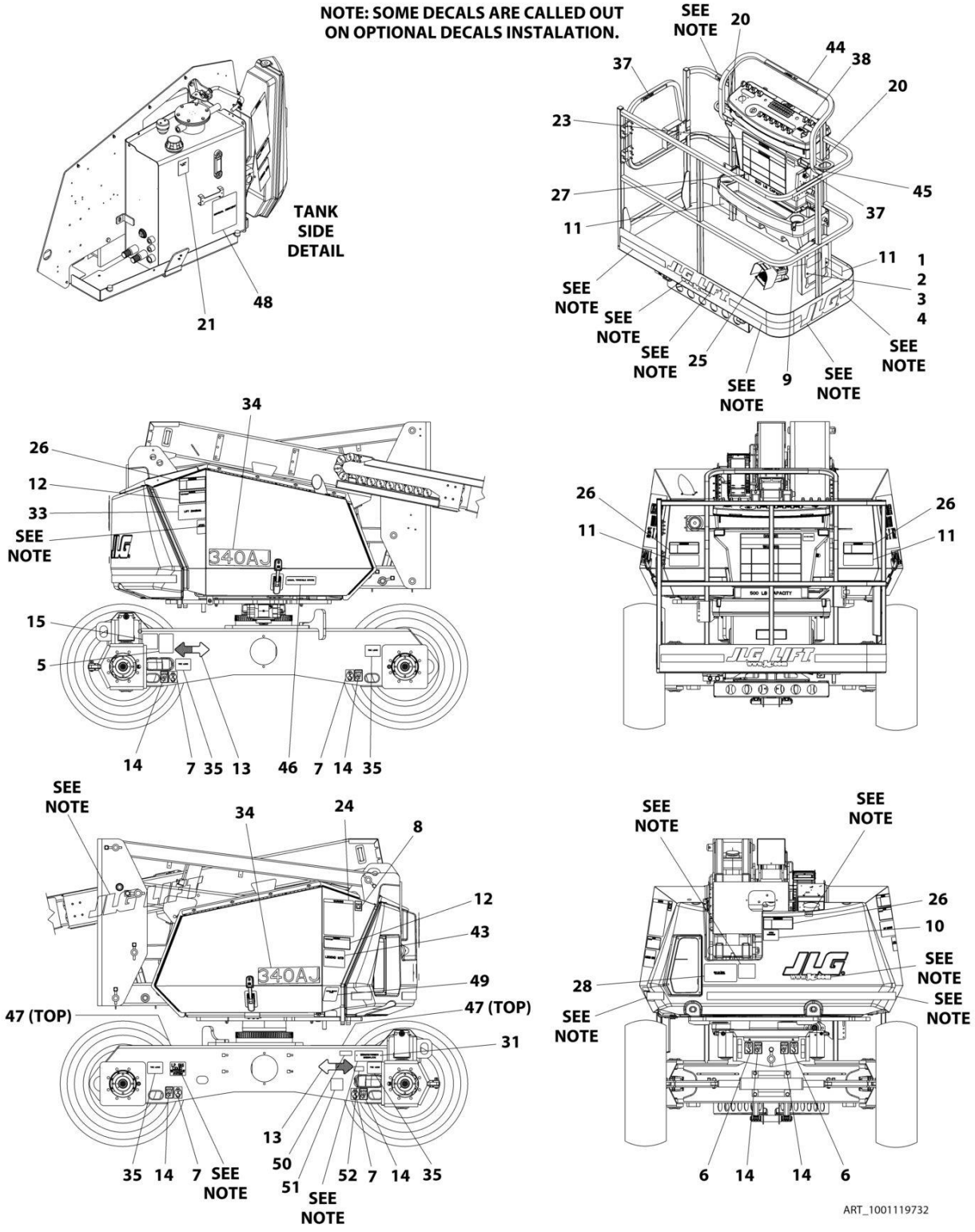


FIGURE 9-1. DECALS INSTALLATION - ANSI AND ANSI EXPORT SPECS (ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119732	Ref	DECALS INSTALLATION - ANSI AND ANSI EXPORT SPECS (ENGLISH)	I
1	0760610	4	Bolt M6 x 20	
2	4811700	8	Washer M6	
3	3290605	4	Nut M6	
4	0860520	1	Box, Manual Storage	
5	1001131269	1	Decal - Patent	
6	1701500	4	Decal - Lift	
7	1701499	4	Decal - No Tie-Down/No Lift	
8	1701504	1	Decal - Hydraulic Oil	
9	1701509	1	Decal - Manual	
10	1702391	1	Decal - Crushing	
11	1703804	4	Decal - Warning Crushing	
12	1703953	2	Decal - Warning Crushing	
13	1701642	2	Decal - Arrow	
14	1702300	8	Decal - Tie-Down	
15	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
20	1704277	2	Decal - Lanyard Attach	
21	1704412	1	Decal - Hydraulic Oil	
23	1703797	1	Decal - Danger/Warning	
24	1703798	1	Decal - Danger/Warning	
25	3252347	1	Nameplate - Footswitch	
26	1703805	4	Decal - Electrocution	
27	1001121801	2	Decal - Maximum Capacity 500LBS/227KG	
28	1001121814	1	Decal - Warning Maximum Capacity 500LBS/227KG	
31	2080057	2	Fastener	
33	1001119576	1	Decal - Lift Diagram	
34	1001119578	2	Decal - 340AJ	
35	1001119580	4	Decal - Tire Load	
37	1702868	2	Decal - No Hands	
38	1705351	1	Decal - Drive/Steer Instructions	
43	1001120009	1	Decal - Legend	
44	1001120010	1	Decal - Legend	
45	1001120002	1	Decal - No Pipe Racks	
46	1001119981	1	Decal - Manual Turntable Rotate	
47	1701529	2	Decal - Arrow	
48	1001127549	1	Decal - Manual Descent	
49	1001127588	1	Decal - Manual Descent	
50	1705514	1	Decal - CSA **(SN 0300222693 through 0300272222, Except SN 0300272191 through 0300272192)**	
51	1001223055	1	Decal - Yearly Inspection **(SN 0300233756 through 0300272222, Except SN 0300272191 through 0300272192)**	
52	1001223453	1	Decal - ICES **(SN 0300241369 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 9-2. DECALS INSTALLATION - AUSTRALIAN SPEC (ENGLISH)

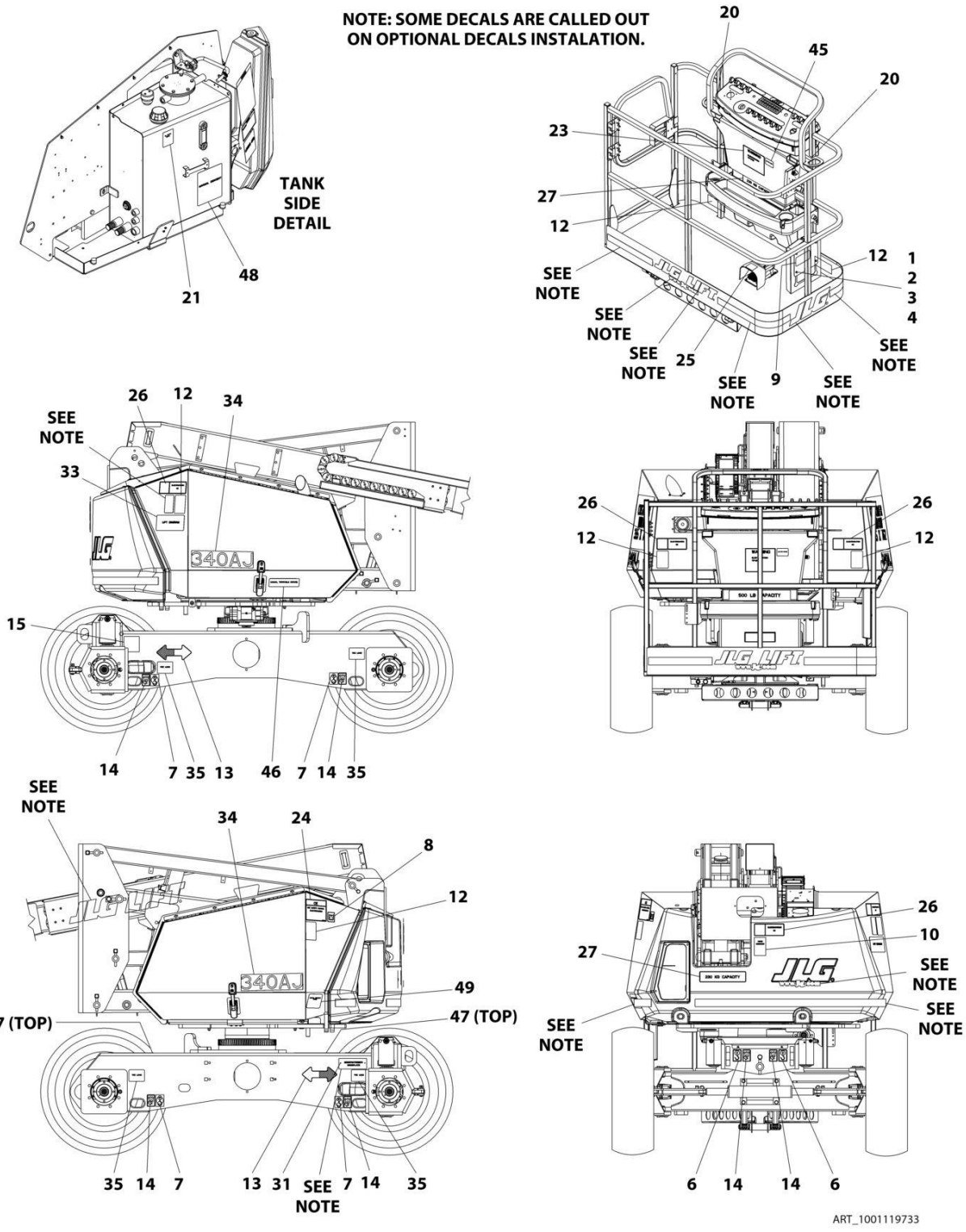
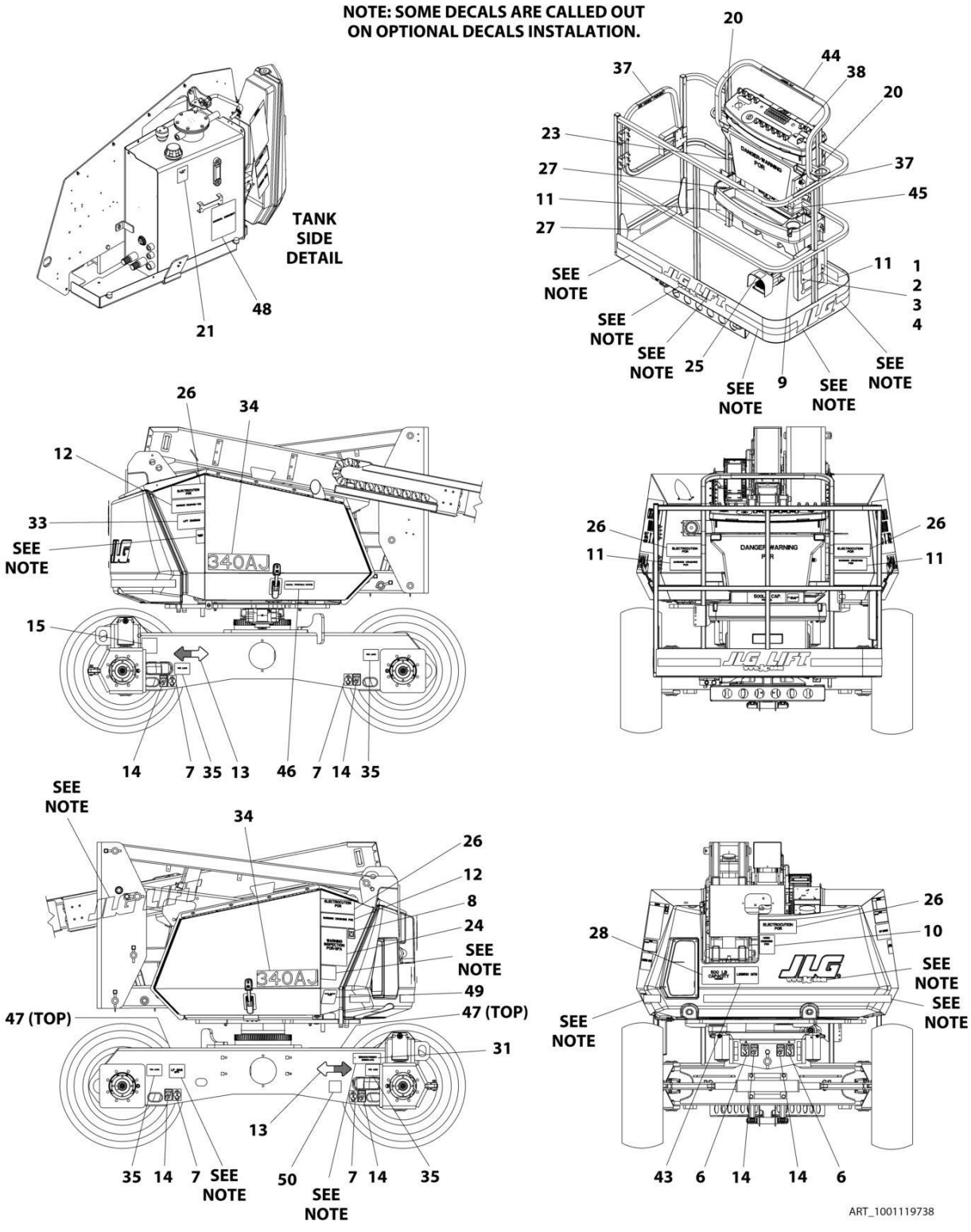


FIGURE 9-2. DECALS INSTALLATION - AUSTRALIAN SPEC (ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119733	Ref	DECALS INSTALLATION - AUSTRALIAN SPEC (ENGLISH)	E
1	0760610	4	Bolt M6 x 20	
2	4811700	8	Washer M6	
3	3290605	4	Nut M6	
4	0860520	1	Box, Manual Storage	
6	1701500	4	Decal - Lift	
7	1701499	4	Decal - No Tie-Down/No Lift	
8	1701504	1	Decal - Hydraulic Oil	
9	1701509	1	Decal - Manual	
10	1701517	1	Decal - Crushing	
12	1701518	6	Decal - Crushing	
13	1701642	2	Decal - Arrow	
14	1702300	8	Decal - Tie-Down	
15	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
20	1704277	2	Decal - Lanyard Attach	
21	1704412	1	Decal - Hydraulic Oil	
23	1705921	1	Decal - Tipping/Electrocution	
24	1705822	1	Decal - Electrocution/Safety Manual	
25	1705828	1	Decal - Footswitch	
26	1705961	4	Decal - Electrocution	
27	1705978	2	Decal - Capacity 230KG	
31	2080057	2	Fastener	
33	1001119576	1	Decal - Lift Diagram	
34	1001119578	2	Decal - 340AJ	
35	1001119580	4	Decal - Tire Load	
45	1001120003	1	Decal - No Pipe Racks	
46	1001119981	1	Decal - Manual Turntable Rotate	
47	1701529	2	Decal - Arrow	
48	1001127549	1	Decal - Manual Descent	
49	1001127588	1	Decal - Manual Descent	

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FIGURE 9-3. DECALS INSTALLATION - BRAZIL SPEC (PORTUGUESE/SPANISH)



ART_1001119738

FIGURE 9-3. DECALS INSTALLATION - BRAZIL SPEC (PORTUGUESE/SPANISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119738	Ref	DECALS INSTALLATION - BRAZIL SPEC (PORTUGUESE/SPANISH)	G
1	0760610	4	Bolt M6 x 20	
2	4811700	8	Washer M6	
3	3290605	4	Nut M6	
4	0860520	1	Box, Manual Storage	
6	1701500	4	Decal - Lift	
7	1701499	4	Decal - No Tie-Down/No Lift	
8	1701504	1	Decal - Hydraulic Oil	
9	1701509	1	Decal - Manual	
10	1001113170	1	Decal - Crushing	
11	1703952	4	Decal - Crushing	
12	1705903	2	Decal - Crushing	
13	1701642	2	Decal - Arrow	
14	1702300	8	Decal - Tie-Down	
15	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
20	1704277	2	Decal - Lanyard Attach	
21	1704412	1	Decal - Hydraulic Oil	
23	1703928	1	Decal - Warning	
24	1705349	1	Decal - Warning Inspection	
25	1703985	1	Decal - Footswitch	
26	1703940	5	Decal - Electrocution	
27	1001121920	2	Decal - Warning Maximum Capacity	
28	1001121923	1	Decal - Warning Maximum Capacity	
31	2080057	2	Fastener	
33	1001119576	1	Decal - Lift Diagram	
34	1001119578	2	Decal - 340AJ	
35	1001119580	4	Decal - Tire Load	
37	1704002	2	Decal - No Hands	
38	1001113680	1	Decal - Drive/Steer Instructions	
43	1001120009	1	Decal - Legend	
44	1001120010	1	Decal - Legend	
45	1001120282	1	Decal - No Pipe Racks	
46	1001119981	1	Decal - Manual Turntable Rotate	
47	1701529	2	Decal - Arrow	
48	1001127549	1	Decal - Manual Descent	
49	1001127588	1	Decal - Manual Descent	
50	1001224052	1	Decal - Yearly Inspection **(SN 0300233756 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 9-4. DECALS INSTALLATION - CE SPECS (ENGLISH)

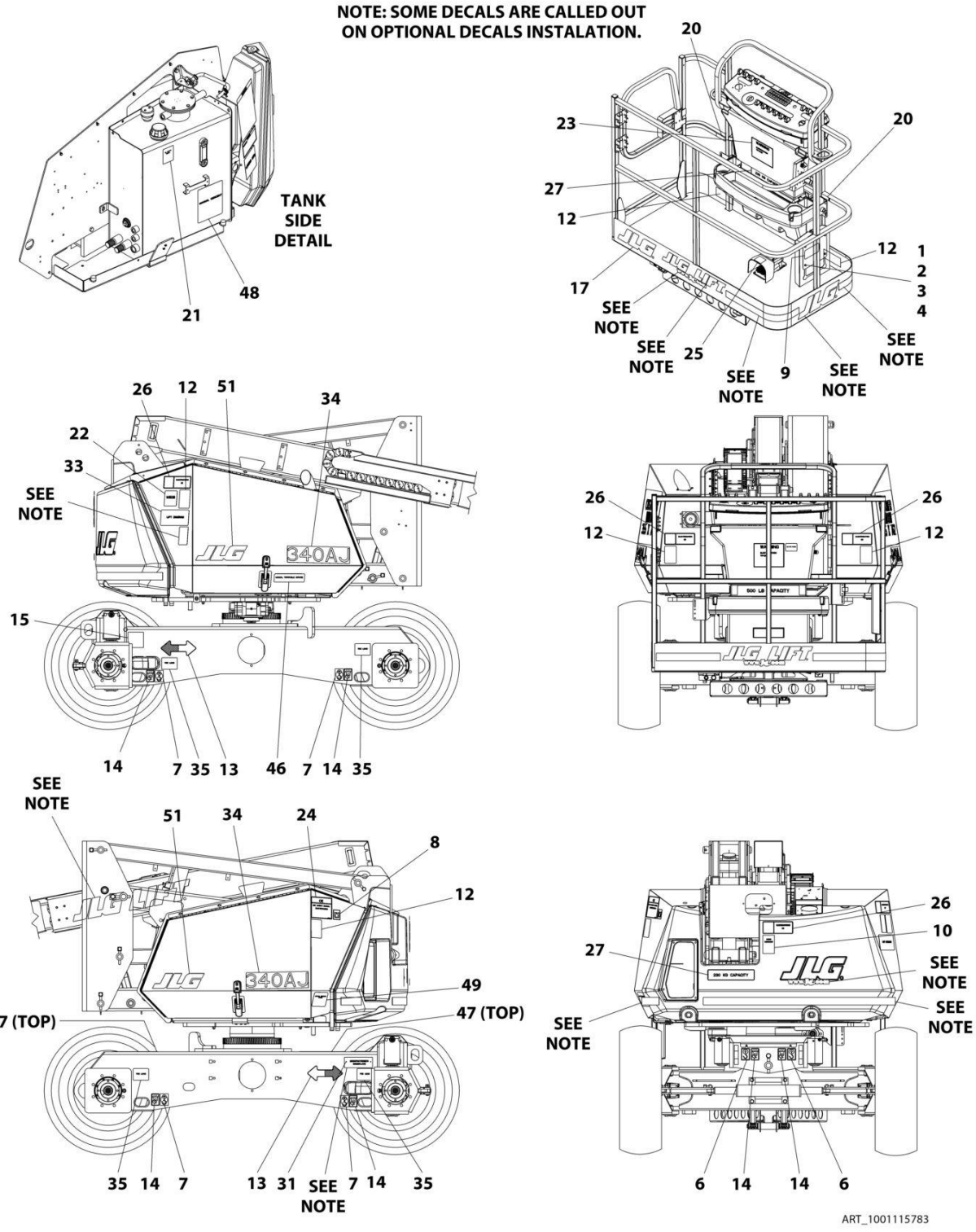


FIGURE 9-4. DECALS INSTALLATION - CE SPECS (ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115783	Ref	DECALS INSTALLATION - CE SPECS (ENGLISH)	J
1	0760610	4	Bolt M6 x 20	
2	4811700	8	Washer M6	
3	3290605	4	Nut M6	
4	0860520	1	Box, Manual Storage	
6	1701500	4	Decal - Lift	
7	1701499	4	Decal - No Tie-Down/No Lift	
8	1701504	1	Decal - Hydraulic Oil	
9	1701509	1	Decal - Manual	
10	1701517	1	Decal - Crushing	
12	1701518	6	Decal - Crushing	
13	1701642	2	Decal - Arrow	
14	1702300	8	Decal - Tie-Down	
15	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
17	1702773	1	Decal - JLG **(SN 0300219874 through 0300272222, Except SN 0300272191 through 0300272192)**	
20	1704277	2	Decal - Lanyard Attach	
21	1704412	1	Decal - Hydraulic Oil	
22	1001130492	1	Decal - Sound Power	
23	1705921	1	Decal - Tipping/Electrocution	
24	1705822	1	Decal - Electrocution/Safety Manual	
25	1705828	1	Decal - Footswitch	
26	1705961	4	Decal - Electrocution	
27	1705978	2	Decal - Capacity 230KG	
31	2080057	2	Fastener	
33	1001119576	1	Decal - Lift Diagram	
34	1001119578	2	Decal - 340AJ	
35	1001119580	4	Decal - Tire Load	
46	1001119981	1	Decal - Manual Turntable Rotate	
47	1701529	2	Decal - Arrow	
48	1001127549	1	Decal - Manual Descent	
49	1001127588	1	Decal - Manual Descent	
51	1701435	2	Decal - JLG **(SN 0300219874 through 0300272222, Except SN 0300272191 through 0300272192)**	

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FIGURE 9-5. DECALS INSTALLATION - CHINESE SPEC (CHINESE/ENGLISH)

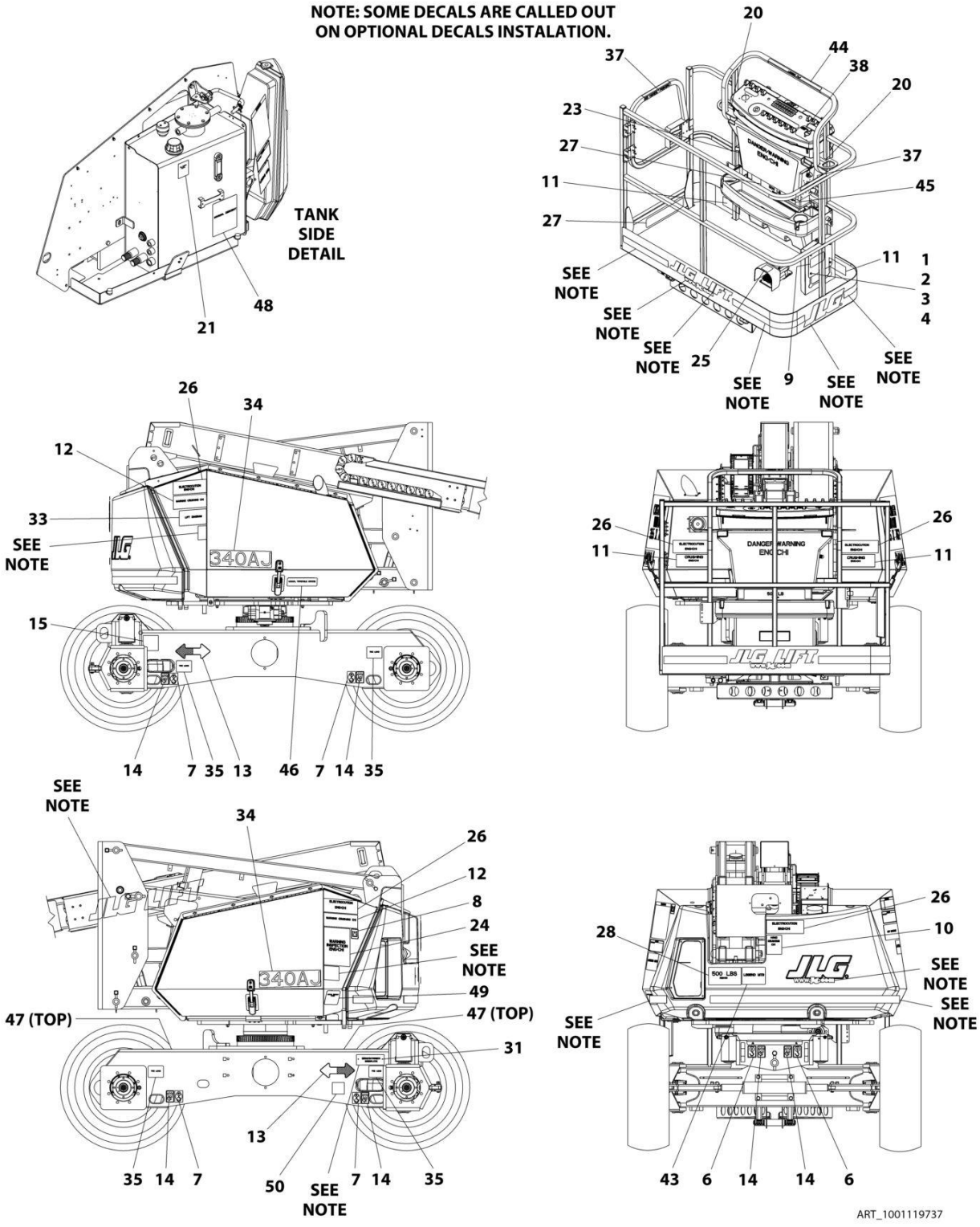


FIGURE 9-5. DECALS INSTALLATION - CHINESE SPEC (CHINESE/ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119737	Ref	DECALS INSTALLATION - CHINESE SPEC (CHINESE/ENGLISH)	H
1	0760610	4	Bolt M6 x 20	
2	4811700	8	Washer M6	
3	3290605	4	Nut M6	
4	0860520	1	Box, Manual Storage	
6	1701500	4	Decal - Lift	
7	1701499	4	Decal - No Tie-Down/No Lift	
8	1701504	1	Decal - Hydraulic Oil	
9	1701509	1	Decal - Manual	
10	1001113168	1	Decal - Crushing	
11	1703949	4	Decal - Crushing	
12	1703943	2	Decal - Crushing	
13	1701642	2	Decal - Arrow	
14	1702300	8	Decal - Tie-Down	
15	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
20	1704277	2	Decal - Lanyard Attach	
21	1704412	1	Decal - Hydraulic Oil	
23	1703925	1	Decal - Warning	
24	1705348	1	Decal - Warning Inspection	
25	1703982	1	Decal - Footswitch	
26	1703937	5	Decal - Electrocution	
27	1001121810	2	Decal - Warning Maximum Capacity	
28	1001121823	1	Decal - Warning Maximum Capacity	
31	2080057	2	Fastener	
33	1001119576	1	Decal - Lift Diagram	
34	1001119578	2	Decal - 340AJ	
35	1001119580	4	Decal - Tire Load	
37	1705968	2	Decal - No Hands	
38	1705430	1	Decal - Drive/Steer Instructions	
43	1001120009	1	Decal - Legend	
44	1001120010	1	Decal - Legend	
45	1001120281	1	Decal - No Pipe Racks	
46	1001119981	1	Decal - Manual Turntable Rotate	
47	1701529	2	Decal - Arrow	
48	1001127549	1	Decal - Manual Descent	
49	1001127588	1	Decal - Manual Descent	
50	1001224050	1	Decal - Yearly Inspection **(SN 0300233756 through 0300272222, Except SN 0300272191 through 0300272192)**	

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FIGURE 9-6. DECALS INSTALLATION - CSA SPEC (FRENCH/ENGLISH)

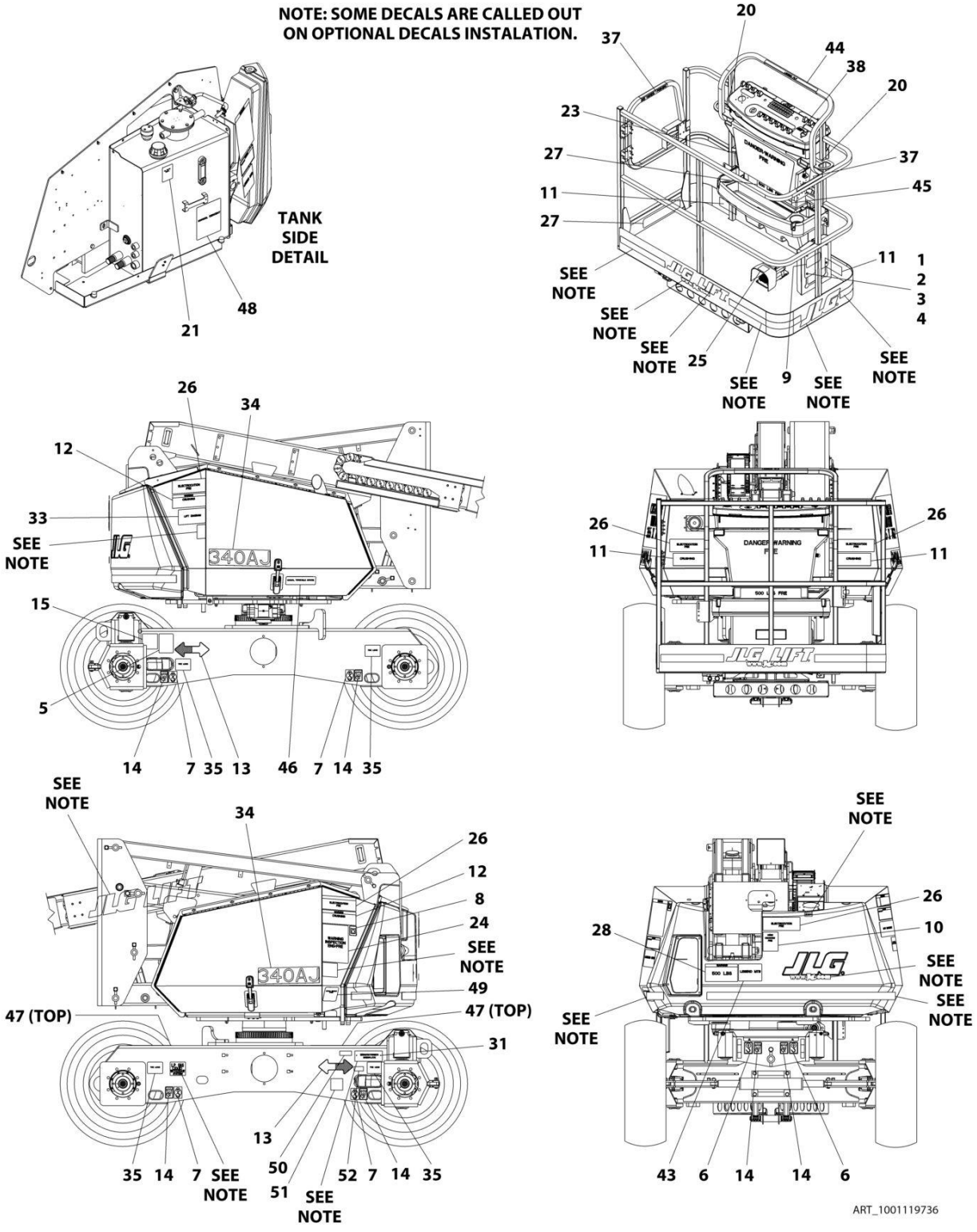


FIGURE 9-6. DECALS INSTALLATION - CSA SPEC (FRENCH/ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119736	Ref	DECALS INSTALLATION - CSA SPEC (FRENCH/ENGLISH)	I
1	0760610	4	Bolt M6 x 20	
2	4811700	8	Washer M6	
3	3290605	4	Nut M6	
4	0860520	1	Box, Manual Storage	
5	1001131269	1	Decal - Patent	
6	1701500	4	Decal - Lift	
7	1701499	4	Decal - No Tie-Down/No Lift	
8	1701504	1	Decal - Hydraulic Oil	
9	1701509	1	Decal - Manual	
10	1001113169	1	Decal - Crushing	
11	1703948	4	Decal - Warning Crushing	
12	1703942	2	Decal - Crushing	
13	1701642	2	Decal - Arrow	
14	1702300	8	Decal - Tie-Down	
15	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
20	1704277	2	Decal - Lanyard Attach	
21	1704412	1	Decal - Hydraulic Oil	
23	1703924	1	Decal - Warning/Danger	
24	1705347	1	Decal - Warning Inspection	
25	1703984	1	Decal - Footswitch	
26	1703936	5	Decal - Electrocution	
27	1001121803	2	Decal - Warning Maximum Capacity	
28	1001121816	1	Decal - Warning Maximum Capacity	
31	2080057	2	Fastener	
33	1001119576	1	Decal - Lift Diagram	
34	1001119578	2	Decal - 340AJ	
35	1001119580	4	Decal - Tire Load	
37	1704000	2	Decal - No Hands	
38	1705429	1	Decal - Drive/Steer Instructions	
43	1001120009	1	Decal - Legend	
44	1001120010	1	Decal - Legend	
45	1001120004	1	Decal - No Pipe Racks	
46	1001119981	1	Decal - Manual Turntable Rotate	
47	1701529	2	Decal - Arrow	
48	1001127549	1	Decal - Manual Descent	
49	1001127588	1	Decal - Manual Descent	
50	1705514	1	Decal - CSA **(SN 0300222693 through 0300272222, Except SN 0300272191 through 0300272192)**	
51	1001223971	1	Decal - Yearly Inspection **(SN 0300233756 through 0300272222, Except SN 0300272191 through 0300272192)**	
52	1001223453	1	Decal - ICES **(SN 0300241369 through 0300272222, Except SN 0300272191 through 0300272192)**	

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FIGURE 9-7. DECALS INSTALLATION - JAPANESE SPEC (JAPANESE)

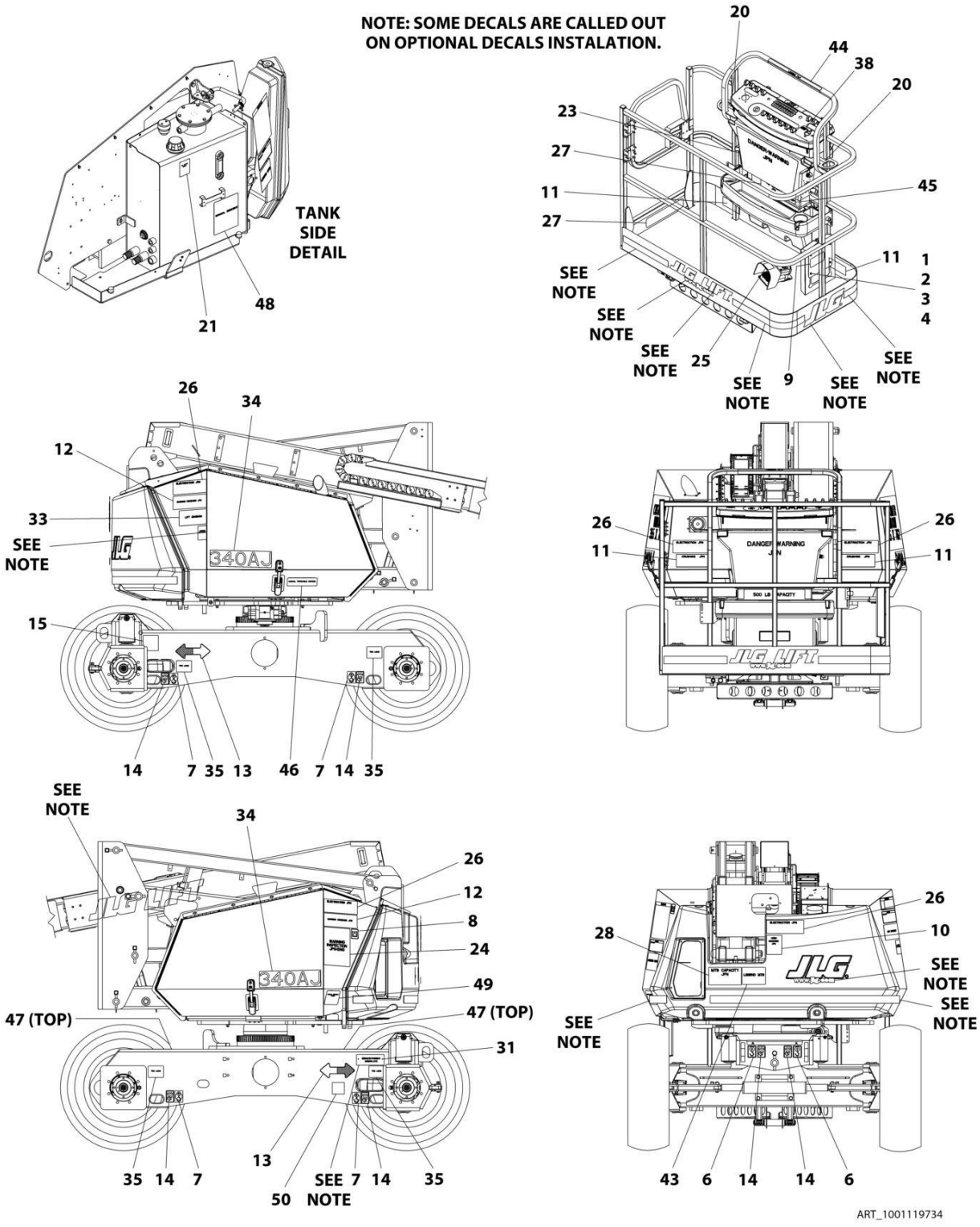


FIGURE 9-7. DECALS INSTALLATION - JAPANESE SPEC (JAPANESE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119734	Ref	DECALS INSTALLATION - JAPANESE SPEC (JAPANESE)	G
1	0760610	4	Bolt M6 x 20	
2	4811700	8	Washer M6	
3	3290605	4	Nut M6	
4	0860520	1	Box, Manual Storage	
6	1701500	4	Decal - Lift	
7	1701499	4	Decal - No Tie-Down/No Lift	
8	1701504	1	Decal - Hydraulic Oil	
9	1701509	1	Decal - Manual	
10	1001113166	1	Decal - Crushing	
11	1703950	4	Decal - Crushing	
12	1703944	2	Decal - Warning Crushing	
13	1701642	2	Decal - Arrow	
14	1702300	8	Decal - Tie-Down	
15	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
20	1704277	2	Decal - Lanyard Attach	
21	1704412	1	Decal - Hydraulic Oil	
23	1703926	1	Decal - Danger/Warning	
24	1705344	1	Decal - Warning Inspection	
25	1703980	1	Decal - Footswitch	
26	1703938	5	Decal - Electrocution	
27	1001121808	2	Decal - Warning Maximum Capacity	
28	1001121821	1	Decal - Warning Maximum Capacity	
31	2080057	2	Fastener	
33	1001119576	1	Decal - Lift Diagram	
34	1001119578	2	Decal - 340AJ	
35	1001119580	4	Decal - Tire Load	
38	1705426	1	Decal - Drive/Steer Instruction	
43	1001120009	1	Decal - Legend	
44	1001120010	1	Decal - Legend	
45	1001120279	1	Decal - No Pipe Racks	
46	1001119981	1	Decal - Manual Turntable Rotate	
47	1701529	2	Decal - Arrow	
48	1001127549	1	Decal - Manual Descent	
49	1001127588	1	Decal - Manual Descent	
50	1001224053	1	Decal - Yearly Inspection **(SN 0300233756 through 0300272222, Except SN 0300272191 through 0300272192)**	

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FIGURE 9-8. DECALS INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH)

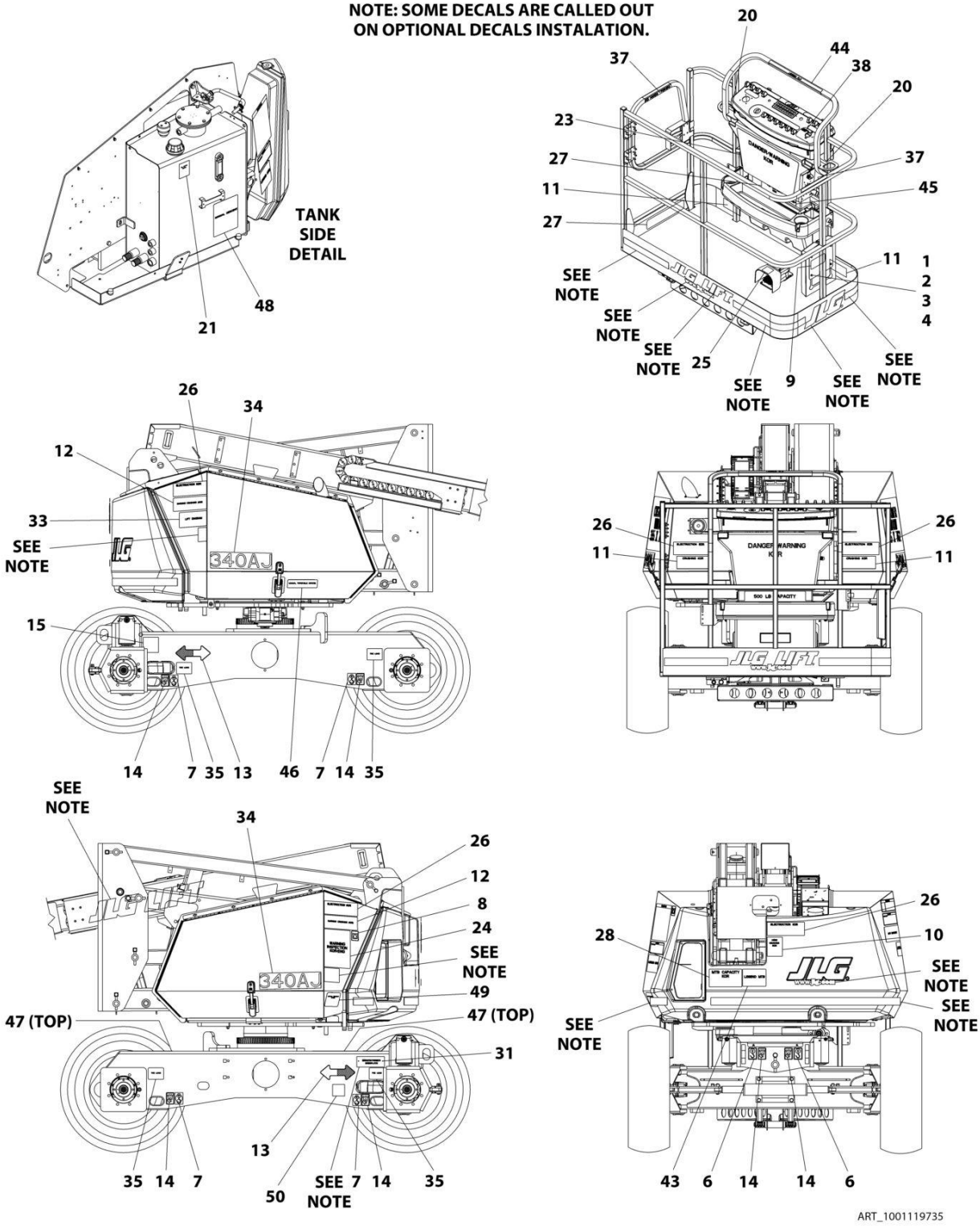


FIGURE 9-8. DECALS INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119735	Ref	DECALS INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH)	G
1	0760610	4	Bolt M6 x 20	
2	4811700	8	Washer M6	
3	3290605	4	Nut M6	
4	0860520	1	Box, Manual Storage	
6	1701500	4	Decal - Lift	
7	1701499	4	Decal - No Tie-Down/No Lift	
8	1701504	1	Decal - Hydraulic Oil	
9	1701509	1	Decal - Manual	
10	1001113509	1	Decal - Crushing	
11	1703951	4	Decal - Crushing	
12	1703945	2	Decal - Crushing	
13	1701642	2	Decal - Arrow	
14	1702300	8	Decal - Tie-Down	
15	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
20	1704277	2	Decal - Lanyard Attach	
21	1704412	1	Decal - Hydraulic Oil	
23	1703927	1	Decal - Warning/Danger	
24	1705345	1	Decal - Warning Inspection	
25	1703981	1	Decal - Footswitch	
26	1703939	5	Decal - Danger Electrocution	
27	1001121918	2	Decal - Warning Maximum Capacity	
28	1001121921	1	Decal - Warning Maximum Capacity	
31	2080057	2	Fastener	
33	1001119576	1	Decal - Lift Diagram	
34	1001119578	2	Decal - 340AJ	
35	1001119580	4	Decal - Tire Load	
37	1705969	2	Decal - No Hands	
38	1705427	1	Decal - Drive/Steer Instructions	
43	1001120009	1	Decal - Legend	
44	1001120010	1	Decal - Legend	
45	1001120280	1	Decal - No Pipe Racks	
46	1001119981	1	Decal - Manual Turntable Rotate	
47	1701529	2	Decal - Arrow	
48	1001127549	1	Decal - Manual Descent	
49	1001127588	1	Decal - Manual Descent	
50	1001224048	1	Decal - Yearly Inspection **(SN 0300233756 through 0300272222, Except SN 0300272191 through 0300272192)**	

SECTION 9 - DECALS

FIGURE 9-9. DECALS INSTALLATION - LATIN AMERICA SPEC (SPANISH/ENGLISH)

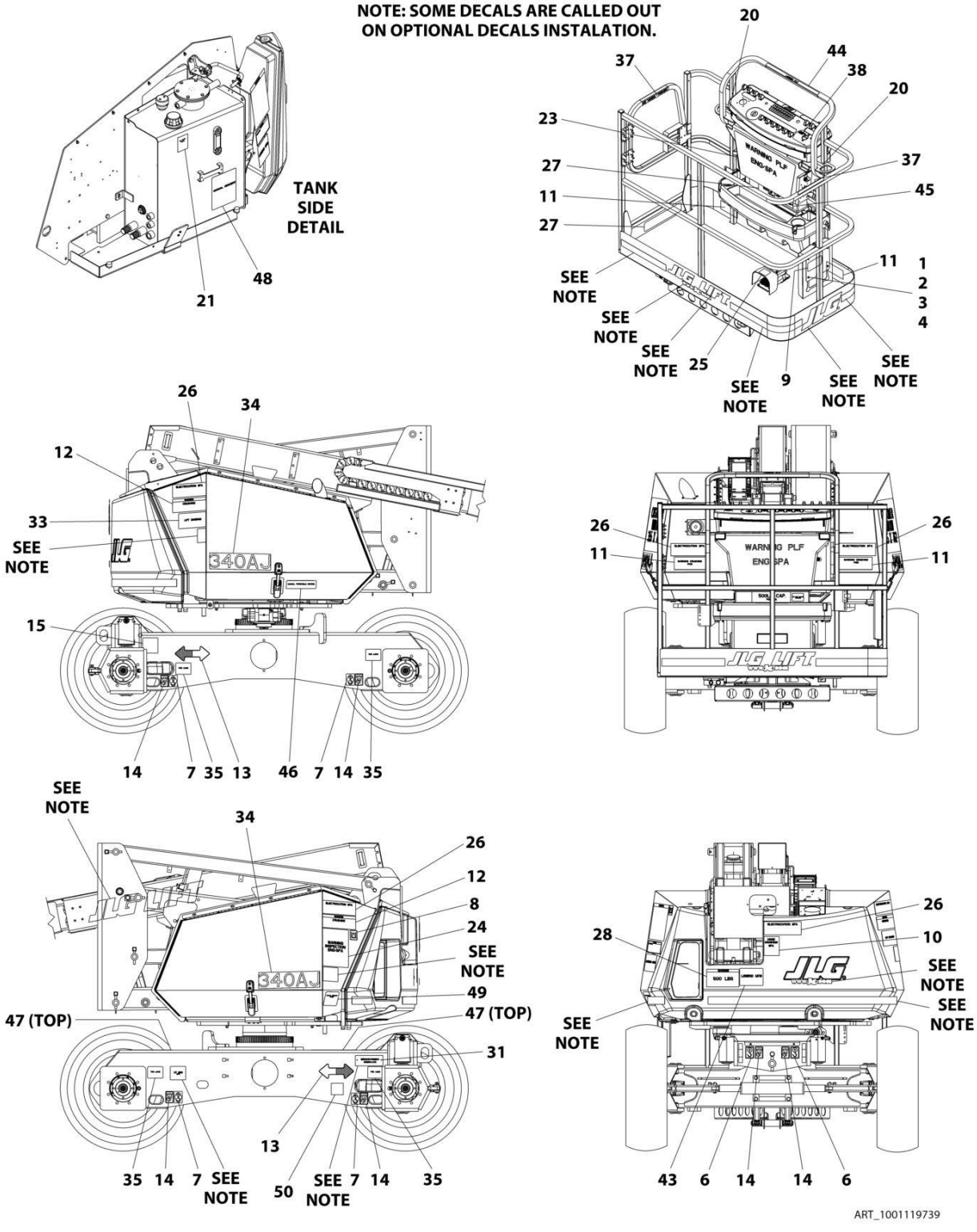


FIGURE 9-9. DECALS INSTALLATION - LATIN AMERICA SPEC (SPANISH/ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119739	Ref	DECALS INSTALLATION - LATIN AMERICA SPEC (SPANISH/ENGLISH)	G
1	0760610	4	Bolt M6 x 20	
2	4811700	8	Washer M6	
3	3290605	4	Nut M6	
4	0860520	1	Box, Manual Storage	
6	1701500	4	Decal - Lift	
7	1701499	4	Decal - No Tie-Down/No Lift	
8	1701504	1	Decal - Hydraulic Oil	
9	1701509	1	Decal - Manual	
10	1001113171	1	Decal - Crushing	
11	1703947	4	Decal - Crushing	
12	1703941	2	Decal - Crushing	
13	1701642	2	Decal - Arrow	
14	1702300	8	Decal - Tie-Down	
15	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
20	1704277	2	Decal - Lanyard Attach	
21	1704412	1	Decal - Hydraulic Oil	
23	1703923	1	Decal - Warning/Danger	
24	1705917	1	Decal - Warning Inspection	
25	1703983	1	Decal - Footswitch	
26	1703935	5	Decal - Electrocution	
27	1001121805	2	Decal - Warning Maximum Capacity	
28	1001121818	1	Decal - Warning Maximum Capacity	
31	2080057	2	Fastener	
33	1001119576	1	Decal - Lift Diagram	
34	1001119578	2	Decal - 340AJ	
35	1001119580	4	Decal - Tire Load	
37	1704001	2	Decal - No Hands	
38	1705910	1	Decal - Drive/Steer Instructions	
43	1001120009	1	Decal - Legend	
44	1001120010	1	Decal - Legend	
45	1001120283	1	Decal - No Pipe Racks	
46	1001119981	1	Decal - Manual Turntable Rotate	
47	1701529	2	Decal - Arrow	
48	1001127549	1	Decal - Manual Descent	
49	1001127588	1	Decal - Manual Descent	
50	1001224049	1	Decal - Yearly Inspection **(SN 0300233756 through 0300272222, Except SN 0300272191 through 0300272192)**	

FIGURE 9-10. OPTIONAL DECALS INSTALLATION

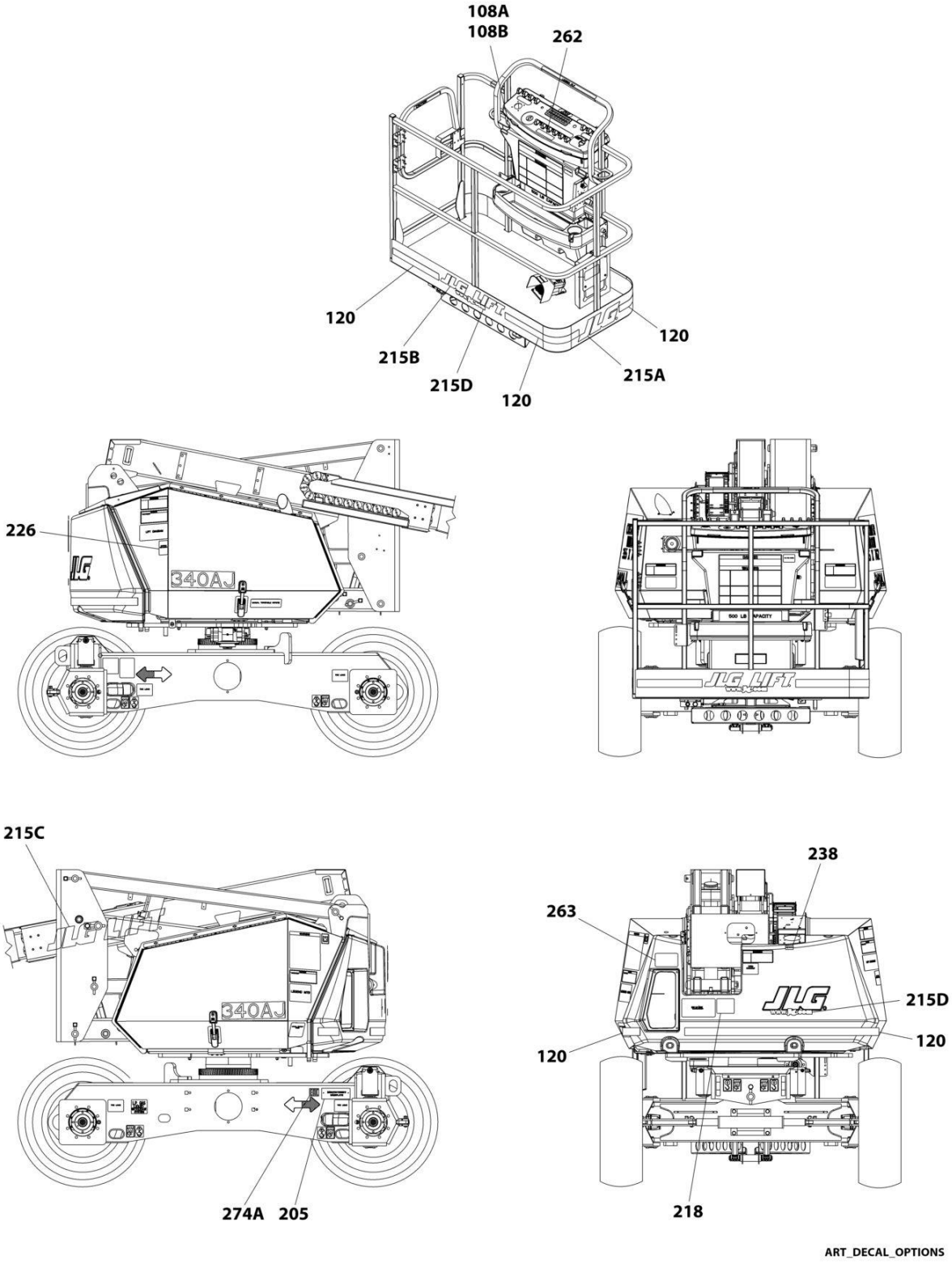


FIGURE 9-10. OPTIONAL DECALS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	OPTIONAL DECALS INSTALLATION	
108A	1702962	1	Decal - Warning Proposition 65 (ANSI Spec Diesel Machines Only) **(SN 0300200802 through 0300246422)**	
108A	1001231801	1	Decal - Warning Proposition 65 (ANSI Spec Diesel Machines Only) **(SN 0300246422 through 0300272222, Except SN 0300272191 through 0300272192)**	
108B	1702961	1	Decal - Prop 65 Warning (Gasoline Machines) **(SN 0300200802 through 0300246422)**	
108B	1001236338	1	Decal - Prop 65 Warning (Gasoline Machines) **(SN 0300246422 through 0300256399)**	
108B	1001231801	1	Decal - Prop 65 Warning (Gasoline Machines) **(SN 0300256400 through 0300272222, Except SN 0300272191 through 0300272192)**	
120	4420051	AR	Tape, Safety	
205	See Note	1	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
215	1001110613	Ref	JLG Logo Installation	B
215A	1702773	1	Decal - JLG	
215B	1702774	1	Decal - JLG Lift	
215C	1702860	1	Decal - JLG Lift	
215D	1704885	2	Decal - Website	
218	3251813	1	Decal - USA (ANSI, ANSI Export and CSA Specs)	
226	1704972	1	Decal - Warning Explosion/Fire (ANSI Spec)	
226	1706098	1	Decal - Warning Explosion/Fire (Australian and CE Spec)	
226	1706059	1	Decal - Warning Explosion/Fire (Brazil Spec)	
226	1706064	1	Decal - Warning Explosion/Fire (CSA Spec)	
226	1706060	1	Decal - Warning Explosion/Fire (Chinese Spec)	
226	1706062	1	Decal - Warning Explosion/Fire (Japanese Spec)	
226	1706061	1	Decal - Warning Explosion/Fire (Korean Spec)	
226	1706063	1	Decal - Warning Explosion/Fire (Latin America Spec)	
238	1001108923	1	Decal - Low Sulfur Fuel Spec (ANSI and CSA Specs Only)	
238	1001139654	1	Decal - Ultra Low Sulfur Fuel Spec (CE and Japanese Specs Only) **(SN 0300253888 through 0300272222, Except SN 0300272191 through 0300272192)**	
262	1001141300	1	Decal - SkyGuard Override	
263	1001197408	1	Decal - MSSO	
274	1001214030	1	Decal - EAC Installation (CIS and Russia Specs)	
274A	1001173703	1	Decal - EAC	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 10-1. RECOMMEDED 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	
	70002386	1	Coil	
	70002963	1	Coil	
	70010383	1	Element, Filter	
	70002971	1	Coil	
	70002386	1	Coil	
	70003788	1	Coil	
	7015004	1	Element, Air Cleaner	
	70002149	1	Coil	
	70002812	1	Breather, Hydraulic Tank	
	4360328	1	Switch, Toggle	
	4360475	1	Switch, Mushroom	
	4360476	1	Contact, Switch Block	
	2860030	1	Key, Replacement	
	1001188446	1	Kit, Boom Wear Pad	
	70001996	1	Carrier 4 Link Repair Section	
	70001977	1	Coil	
	1001129555	1	Controller (Lift and Swing)	
	1001212415	1	Controller (Drive and Steer)	
	4360330	1	Switch, Toggle	
	4360387	1	Switch, Push Button	
	4360407	1	Control, Speed	
	4360331	1	Switch, Toggle	
	260305	2	Fuse 5A	
	1001003149	2	Fuse 15 Amp	
	2400065	2	Fuse 30A	
	1001117070	2	Fuse 30A	
	1001118938	2	Fuse 40A	
	3740080	1	Relay	
		Ref	VARIABLE PARTS	
	70002979	1	Filter, Oil Element (GM Engine Machines)	
	70002972	1	Filter, Fuel (GM Engine Machines)	
	70003178	1	Module, Control (GM Engine Machines)	
	7017923	1	Filter, Oil Element (Kubota Engine Machines)	
	70002900	1	Filter, Fuel Water (Kubota Engine Machines)	
	1001120431	1	Module, Ground Control	
	1001119170	1	Switch, Limit	
	4360522	1	Switch, Push Button (Machines with Turntable Floodlight/Head and Tail Light Options)	
	4360469	1	Switch, Key (All Specs except CE Spec)	
	4360470	1	Switch, Key (CE Specs)	
	4360336	1	Switch, Toggle (Machines with Generator Option)	
	4360548	1	Switch, Limit	
	2940074	1	Latch (Machines with Platform Gate)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4360336	1	Switch, Toggle (Machines with Platform Floodlights Option)	
	1001118412	1	Module, Platform Control	
	4360336	1	Switch, Toggle (Dual Fuel) (GM Engine Machines)	
	1001109475	1	Breaker, Circuit 16Amp (CE Machines without Generator and with AC Platform Receptacle)	
	1001109477	1	Breaker, Circuit 10Amp (CE Machines with Generator and with AC Platform Receptacle)	
	1001109482	1	Breaker, Circuit 30mAmp (CE Machines with AC Platform Receptacle)	
	1001186431	1	Relay (Machines with SkyGuard)	
	1001142683	1	Module, Strobe Light (Machines with Blue Strobe Light)	

SECTION 11 - SPECIAL OPTIONS

SECTION 11 - SPECIAL OPTIONS

FIGURE 11-1. SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	MISCELLANEOUS SPECIAL OPTIONS	
		Ref	Air Line at Platform Installations	
	1001119028	Ref	Machines without Arctic Package	
	1001119378	Ref	Machines with Arctic Package	
	1001206737	Ref	Alarm Installation - White Noise	
	70006434	Ref	Bearing and Seal Kit (For Hub Assembly 1001116793)	
	1001119803	Ref	Bellows Installations	
	1001185080	Ref	Belt and Fan Shield Kit	
	1001148971	Ref	Bolt-on Lanyard Kit (Platform)	
	1001234099	Ref	Boom Kit - Telematics (CE Spec)	
	1001119962	Ref	Boom Wiper Installation	
		Ref	ClearSky Telematic Installation (Factory Installed)	
	1001119398	Ref	ClearSky (Telematics) Installation (Factory Installed) (ANSI Specs) Note: Refer to Manual Supplement p/n 3128499 for available replacement parts. **(SN 0300200802 through 0300234326)**	
	1001132732	Ref	ClearSky (Telematics) Installation (Factory Installed) (Australian Specs) Note: Refer to Manual Supplement p/n 3128499 for available replacement parts. **(SN 0300200802 through 0300234326)**	
	1001127091	Ref	ClearSky (Telematics) Installation (Factory Installed) (Brazil and New Zealand Specs) Note: Refer to Manual Supplement p/n 3128499 for available replacement parts. **(SN 0300200802 through 0300234326)**	
	1001119406	Ref	ClearSky (Telematics) Installation (Factory Installed) (CSA Specs) Note: Refer to Manual Supplement p/n 3128499 for available replacement parts. **(SN 0300200802 through 0300234326)**	
	1001227454	Ref	ClearSky (Telematics) Installation (Factory Installed) - Canbus Connection (ANSI and CSA Specs) **(SN 0300234327 through 0300272222, Except SN 0300272191 through 0300272192)**	
	1001228956	Ref	ClearSky (Telematics) Installation (Factory Installed) - Canbus Connection (ANSI Export and CE Specs) **(SN 0300240022 through 0300272222, Except SN 0300272191 through 0300272192)**	
	1001246486	1	ClearSky (Telematics) Installation (Factory Installed) - Canbus Connection (Australian Specs)	
	1001246487	1	ClearSky (Telematics) Installation (Factory Installed) - Canbus Connection (China Specs)	
	1001229107	Ref	ClearSky (Telematics) Installation (Factory Installed) - 3 Wire Connection (ANSI and CSA Specs) **(SN 0300234327 through 0300272222, Except SN 0300272191 through 0300272192)**	
	1001233237	Ref	ClearSky (Telematics) Installation (Factory Installed) - 3 Wire Connection (ANSI Export and CE Specs) **(SN 0300240022 through 0300272222, Except SN 0300272191 through 0300272192)**	
	1001119397	Ref	Cribbing Switch Installation	
		Ref	Cold Weather Start Kits (Not Available on Australian and CE Spec Machines)	
	1001119989	Ref	Diesel Engine Machines	
	1001119987	Ref	Gas Engine Machines	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Decal Installations	
	1001119459	Ref	Decal - ClearSky	
	0272165	Ref	Decal - Warning Stripes	
		Ref	Decal Kit Options:	
	1001193629	Ref	Decal Kit - Platform Console Box	
	2902203	Ref	Decal Kit - Tires with Sealant (Includes qty 5 Decals and qty 4 Green Valve Stem Caps)	
	1001241332	Ref	Decal Kit - (Service) Platform	
	1001241338	Ref	Decal Kit - (Service) Platform Console Kit	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Amp Connector Kit	
	1001148903	Ref	Deutsch DT Connector Kit	
	1001148904	Ref	Deutsch HD Connector Kit	
	1001148905	Ref	Packard Connector Kit	
	1001148906	Ref	Various Connector Kit	
	1001119988	Ref	Engine Block Heater Installation (Gas Engine Machines)	
	1001186578	Ref	Fan Guard (Kubota Engines)	
		Ref	Filter Kits:	
		Ref	Combined Filter Kit (Hydraulic/Air and Fuel/Engine Oil)	
	1001204448	NLA	Kubota Engines (Use p/n 1001133070)	
	1001133070	1	Kubota Engines	
	1001151649	1	GM Engines	
		Ref	Hydraulic/Air Filter	
	1001133067	1	Kubota Engines	
		Ref	Fuel/Oil Filter	
	1001204461	1	Kubota Engines	
	1001117294	Ref	Foot Switch Shield	
	1001209659	Ref	Fuel Cap Cover (Lockable) (Black)	
	1001209658	Ref	Fuel Cap Cover (Lockable) (Green)	
	1001205441	Ref	Fuel Cap Cover (Lockable) (Red)	
	1001138005	Ref	GM Engine Air Flow Improvement Kit	
	1001120103	Ref	Ground Control Cover Installation	
	1001120197	Ref	Hourmeter for Generator Installation	
	1001157918	Ref	Hourmeter for Generator Installation (Kubota Engines Only)	
	1001236951	Ref	Low Temperature Cutout Installation (Russian Specs)	
	1001152544	Ref	Muffler Support Bracket Installation (Kubota Engines Only)	
	1001116419	Ref	Platform Cable Tray Carrier Installation (Australian Specs) **(SN 0300200802 through 0300224526)**	
	1001172045	Ref	Platform Cable Tray Carrier Installation (Australian Specs) **(SN 0300224527 through 0300272222, Except SN 0300272191 through 0300272192)**	
	1001205175	Ref	Platform Console Cover Add-On Kit	
	1001195304	Ref	Platform Console Cover Installation	
	1580013	Ref	Platform Corner Tray	
	1001103558	Ref	Platform Rail Extension Installation (30in x 60in Platforms)	
		Ref	Platform Mesh to Top Rail Installations (Side Entry Platforms) (ANSI, ANSI Export and China Specs)	
	0273147	Ref	30in x 4ft (76cm x 1.22m)	
	0273146	Ref	30in x 5ft (76cm x 1.52m)	
		Ref	Platform Mesh to Top Rail Kit (Side Entry Platforms) (ANSI and ANSI Export Specs)	
	1001214552	Ref	30in x 4ft (76cm x 1.22m)	
	1001214559	Ref	30in x 5ft (76cm x 1.52m)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Platform Mesh to Mid Rail Installations (Side Entry Platforms) (ANSI, ANSI Export, Australian and China Specs)	
	1001140318	Ref	30in x 4ft (76cm x 1.22m)	
	1001140315	Ref	30in x 5ft (76cm x 1.52m) **(SN 0300197064 through 0300272222, Except SN 0300272191 through 0300272192)**	
		Ref	Platform Mesh to Mid Rail Kit (Side Entry Platforms) (ANSI and ANSI Export Specs)	
	1001214478	Ref	30in x 4ft (76cm x 1.22m)	
	1001214515	Ref	30in x 5ft (76cm x 1.52m)	
	1001209059	Ref	Platform Work Surface	
	70006435	Ref	Seal Kit (For Hub Assembly 1001116793)	
	1001120176	Ref	Security Lock (Programmable) (ANSI and CE Specs)	
	1001239566	Ref	Service Kit - Upper Power Track Hose	
		Ref	SkyGuard Components Options:	
	1001187356	NLA	SkyGuard Complete Add-on Kit (Blue Strobe Light) (Use p/n 1001207138)	
	1001207138	Ref	SkyGuard Complete Add-on Kit (Blue Strobe Light)	
	1001210035	Ref	SkyGuard Complete Add-on Kit (Red Strobe Light)	
	1001219694	Ref	SkyGuard Platform System Kit	
	1001149565	Ref	SkyGuard Platform Sensor Kit	
	1001149752	NLA	SkyGuard Strobe Light Kit (Blue) (Use p/n 1001207140)	
	1001207140	Ref	SkyGuard Strobe Light Kit (Blue)	
	1001210034	Ref	SkyGuard Strobe Light Kit (Red)	
	1001176372	Ref	SkyGuard Plug Removal Kit	
		Ref	Tools for Service	
		Ref	Note: For cylinder repair tools, see individual cylinder assemblies.	
	2901443	Ref	Analyzer Kit	
	8896941	Ref	Wire Stripper	
	7002821	Ref	Wire Crimper (To install wire ends to wires)	
	7002823	Ref	Pin/Socket Extractor - Universal (For Removal of Pins/Sockets from Connectors)	
	4460467	Ref	Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460510	Ref	Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7002822	Ref	Screwdriver, Potentiometer (To Adjust Drive Controllers)	
	7016654	Ref	Screwdriver, Magnetic	
	7004275	Ref	Seal Installation Tool - 1in	
	7004276	Ref	Seal Installation Tool - 1-1/2in	
	7002826	Ref	Seal Installation Tool - 2in	
	7016655	Ref	Wire Rope Sheave Gauge	
	1001137005	Ref	Software Cable Kit	

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