



Illustrated Parts Manual

Models
2646ES
3246ES

PVC
1910
2004

P/N
31215077

March 15, 2021 - Rev D

ANSI

CE



AS/NZS



An Oshkosh Corporation Company

REVISION LOG

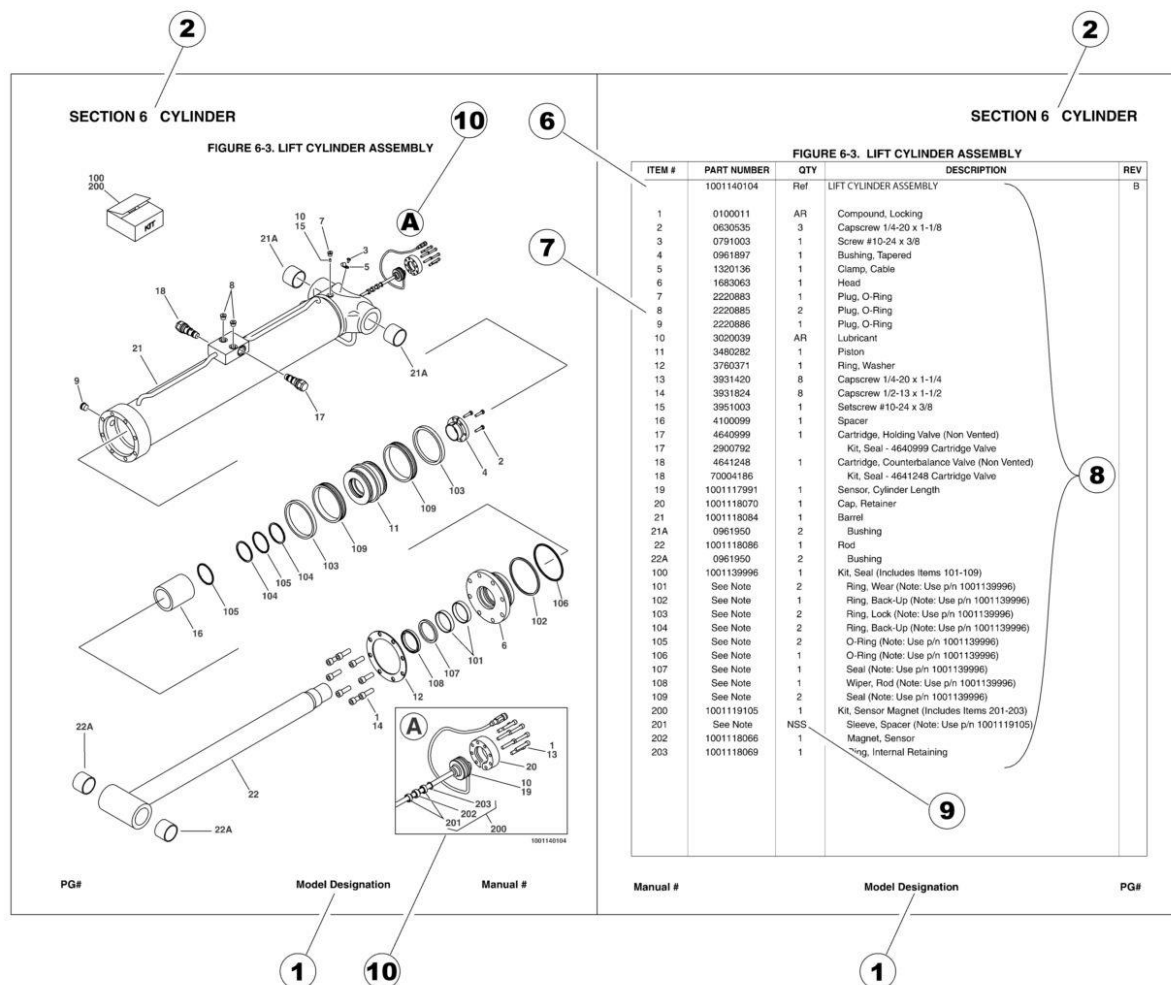
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GENERAL INFORMATION



1) MACHINE IDENTIFICATION

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

2) PARTS MANUAL ORGANIZATION

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

3) TABLE OF CONTENTS (NOT SHOWN)

A table of contents is found toward the beginning of the manual. Figure number, description and page number are provided for quick reference to the page containing the related information.

4) RECOMMENDED SPARE PARTS (NOT SHOWN)

The Recommended Spare Parts List, located near the end of the manual, reference most frequently used maintenance parts.

5) PART NUMBER INDEX (NOT SHOWN)

A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

GENERAL INFORMATION

6) NON-SERVICED PARTS

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

7) PARTS LIST ITEM NUMBERS

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

8) INDENTED PARTS DESCRIPTION

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

9) ABBREVIATION AND SYMBOLS

AC..... Alternating Current
ADE..... Advanced Design Electronics
AG..... Agricultural
ANSI..... American National Standards Institute
AR..... As Required
ASSY..... Assembly
AUS..... Australia
AUX..... Auxiliary
AWG..... American Wire Gauge
B/M..... Bill of Material
CAC..... Charge Air Cooler
CE..... European Conformity
CCW..... Counter Clockwise
CM..... Centimeter
CW..... Clockwise
CSA..... Canadian Standards Association
CYL..... Cylinder
DIA..... Diameter
DC..... Direct Current
DEF..... Diesel Exhaust Fluid
EMS..... Emergency Stop
ENG..... Engine
FT(ft)..... Feet
GA(Ga)..... Gauge
HRC..... High Rated Countries
HVAC..... Heating, Ventilating, and Air Conditioning
HYD..... Hydraulic
Hz..... Hertz
ID..... Inside Diameter
IN..... inches
ISO..... International Organization for Standards
JIC..... Joint Industry Council
KG..... Kilogram

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

10) ILLUSTRATION REFERENCE LETTERS

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

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

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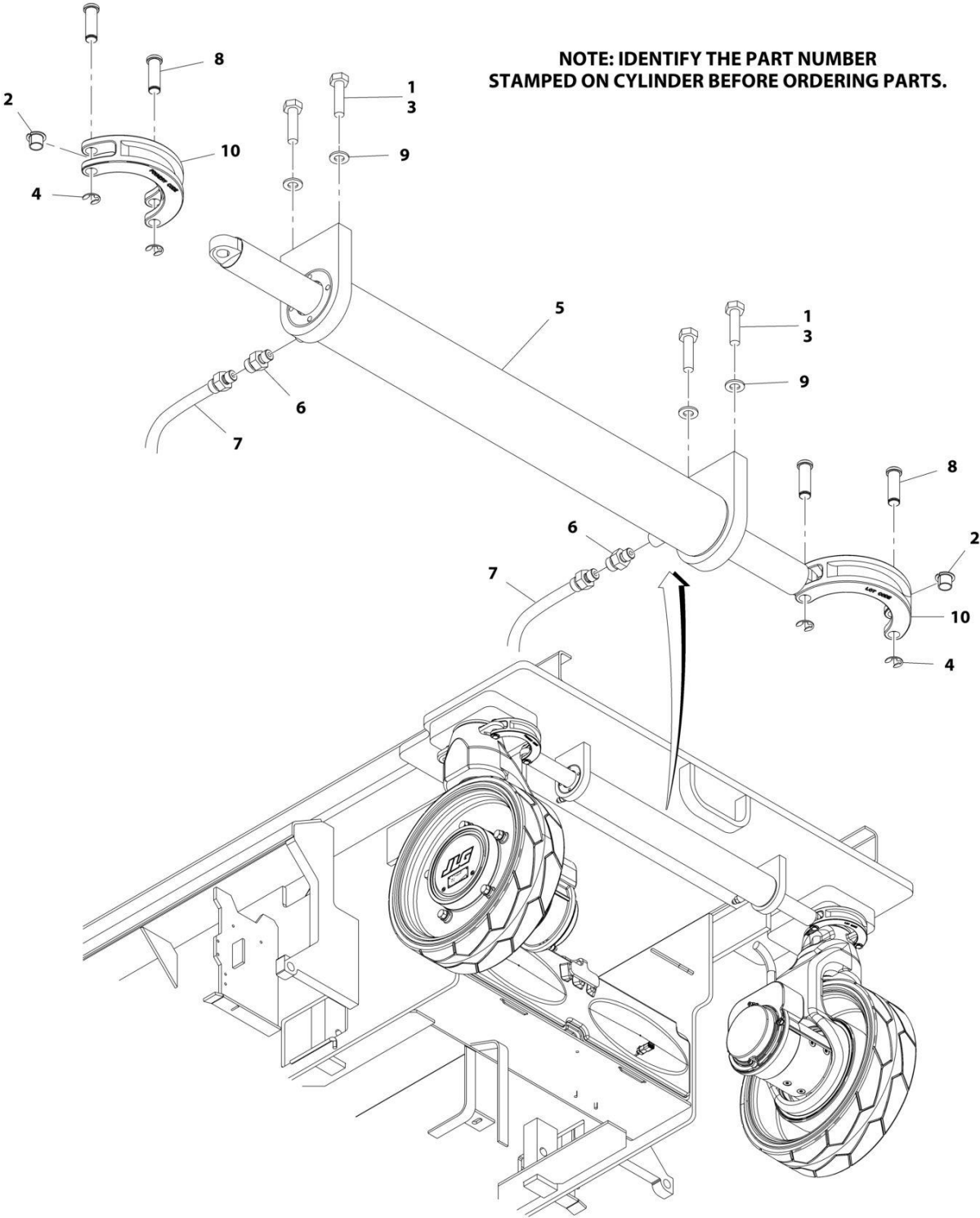
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SECTION 1 - FRAME

SECTION 1 - FRAME

FIGURE 1-1. STEERING INSTALLATION (BELGIUM, CHINA AND MEXICO BUILT MACHINES)



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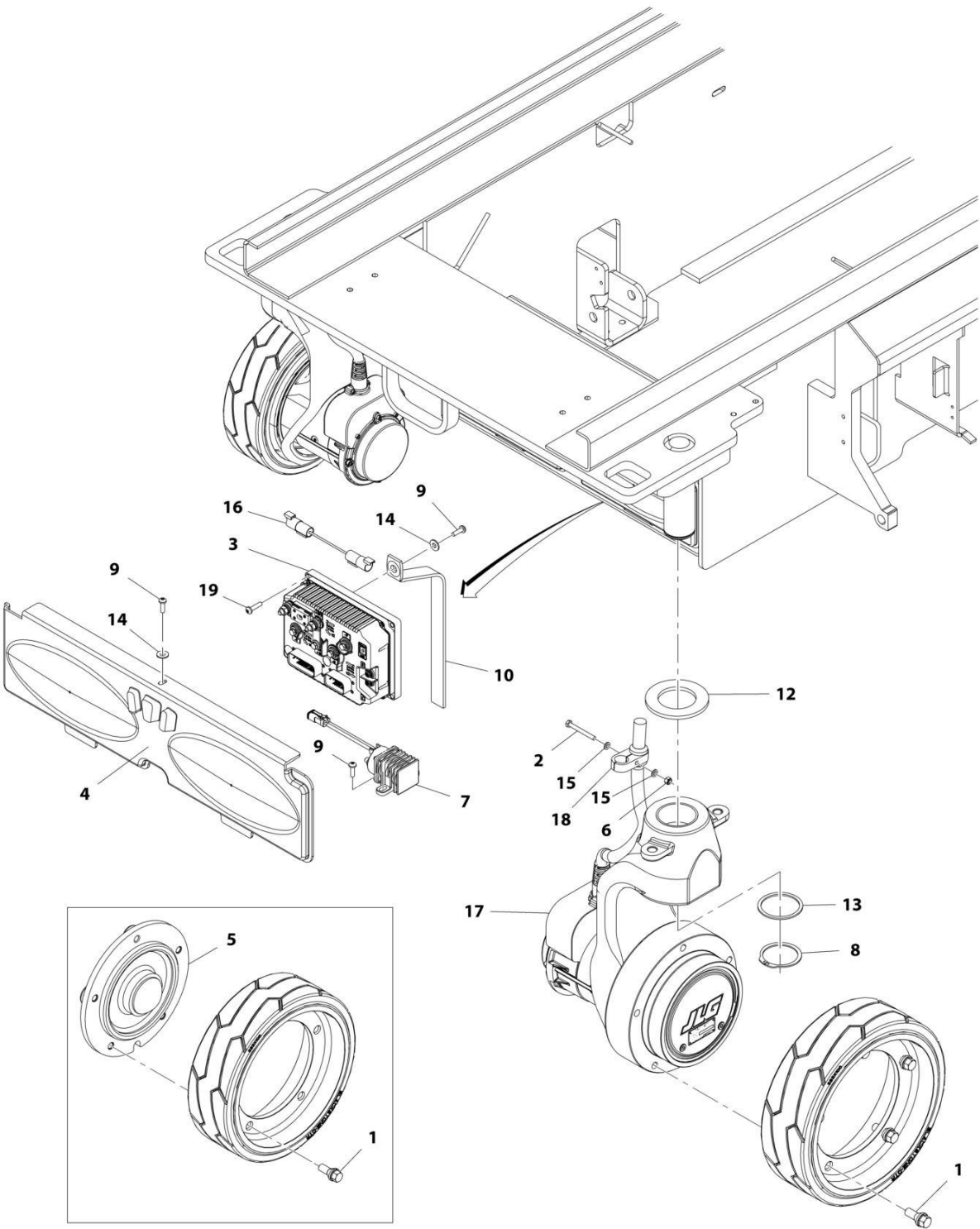
SECTION 1 - FRAME

FIGURE 1-1. STEERING INSTALLATION (BELGIUM, CHINA AND MEXICO BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131076	Ref	STEERING INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0440259	2	Bearing	
3	0701016	4	Bolt M10 x 40	
4	1380153	4	Clip	
5	1001129268	1	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
6	2110404	2	Fitting, Straight ORFS/ORB	
7	0275883	2	Steering Hose Assembly	
8	3423037	4	Pin, Clevis	
9	4812000	4	Washer M10	
10	4846757	2	Lug, Steer	

SECTION 1 - FRAME

FIGURE 1-2. DRIVE HUB AND MODULE INSTALLATION (CHINA AND MEXICO BUILT MACHINES)



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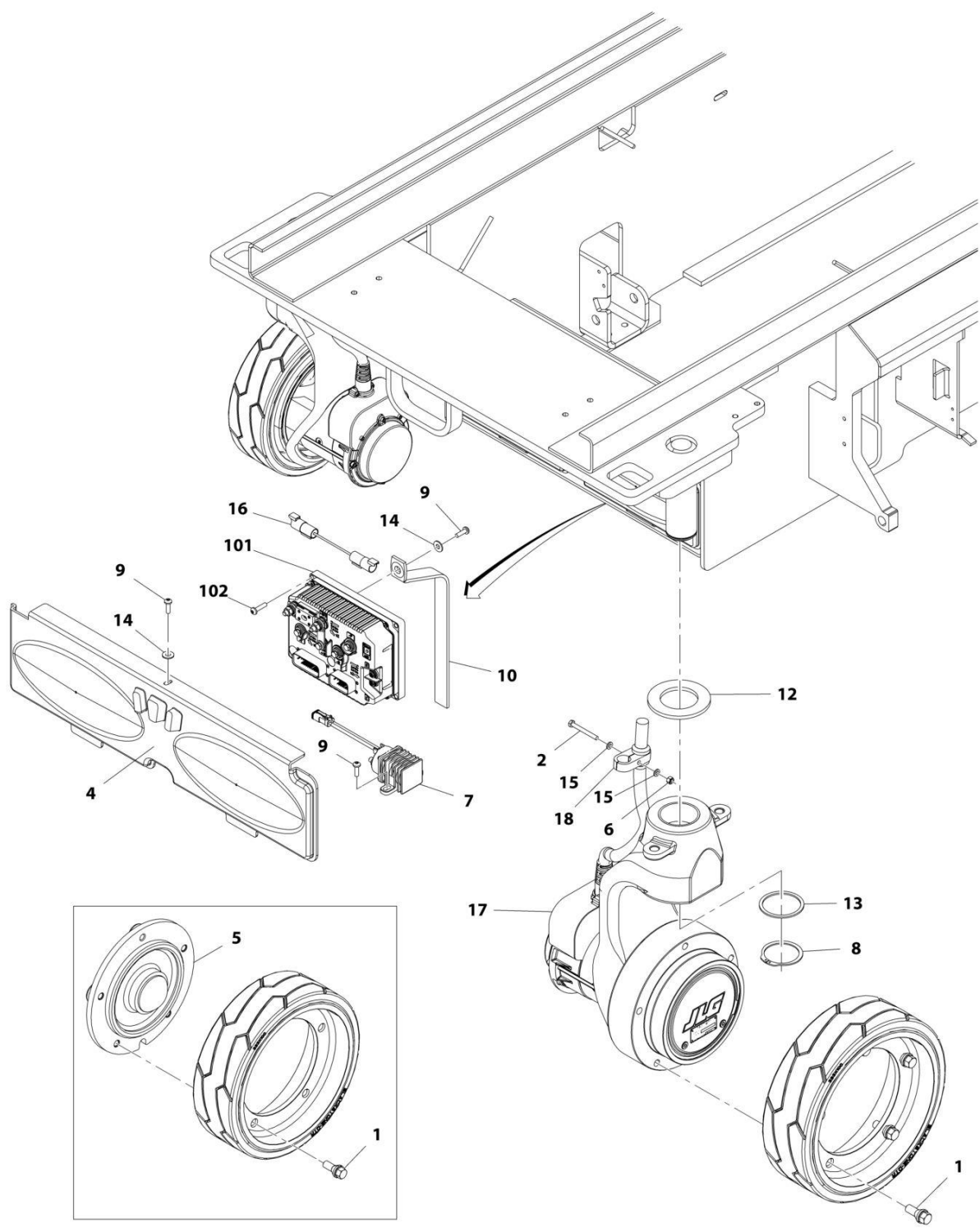
SECTION 1 - FRAME

FIGURE 1-2. DRIVE HUB AND MODULE INSTALLATION (CHINA AND MEXICO BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117033	Ref	DRIVE HUB AND MODULE INSTALLATION	C
1	0630580	20	Bolt, Wheel	
2	0700619	2	Bolt M6 x 55	
3	1001092456	1	Module, Control	
4	1671133	1	Cover, Controller	
5	2780266	2	Hub Assembly - Rear (See Separate Breakdown in this Section)	
6	3290605	2	Nut M6	
7	3740150	1	Relay	
8	3760463	2	Ring, Retaining	
9	4191708	4	Screw M6 x 20	
10	4240147	1	Strap, Anti-Static	
12	4740524	2	Washer, Thrust	
13	4740564	2	Washer	
14	4751400	2	Washer 1/4	
15	4811700	4	Washer M6	
16	4923602	1	Harness, Field Wire Connection (See Separate Breakdown in ELECTRICAL SECTION)	
17	1001092738	2	Drive Motor Assembly (See Separate Breakdown in this Section)	
18	1001094301	2	Clamp	
19	4191709	4	Screw M6 x 25	

SECTION 1 - FRAME

FIGURE 1-3. DRIVE HUB AND MODULE INSTALLATION (BELGIUM BUILT MACHINES ONLY)



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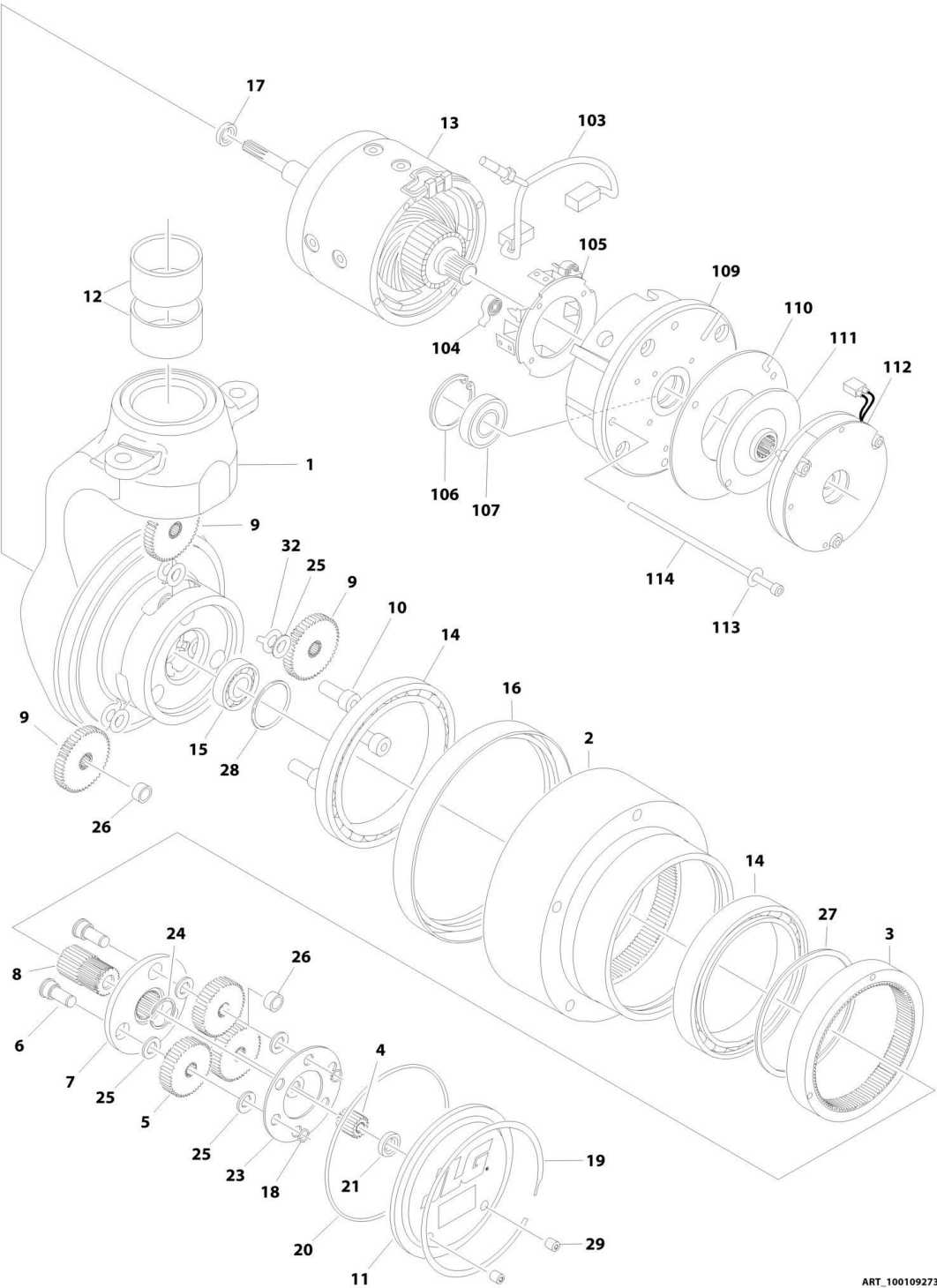
SECTION 1 - FRAME

FIGURE 1-3. DRIVE HUB AND MODULE INSTALLATION (BELGIUM BUILT MACHINES ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219124	Ref	DRIVE HUB AND MODULE INSTALLATION	A
1	0630580	20	Bolt, Wheel	
2	0700619	2	Bolt M6 x 55	
4	1671133	1	Cover, Controller	
5	2780266	2	Hub Assembly - Rear (See Separate Breakdown in this Section)	
6	3290605	2	Nut M6	
7	3740150	1	Relay	
8	3760463	2	Ring, Retaining	
9	4191708	4	Screw M6 x 20	
10	4240147	1	Strap, Anti-Static	
12	4740524	2	Washer, Thrust	
13	4740564	2	Washer	
14	4751400	2	Washer 1/4	
15	4811700	4	Washer M6	
16	4923602	1	Harness, Field Wire Connection (See Separate Breakdown in ELECTRICAL SECTION)	
17	1001092738	2	Drive Motor Assembly (See Separate Breakdown in this Section)	
18	1001094301	2	Clamp	
		Ref	ADDITIONAL COMPONENTS ORDERED SEPARATE	
101	1001092456	1	Module, Control	
102	4191709	4	Screw M6 x 25	

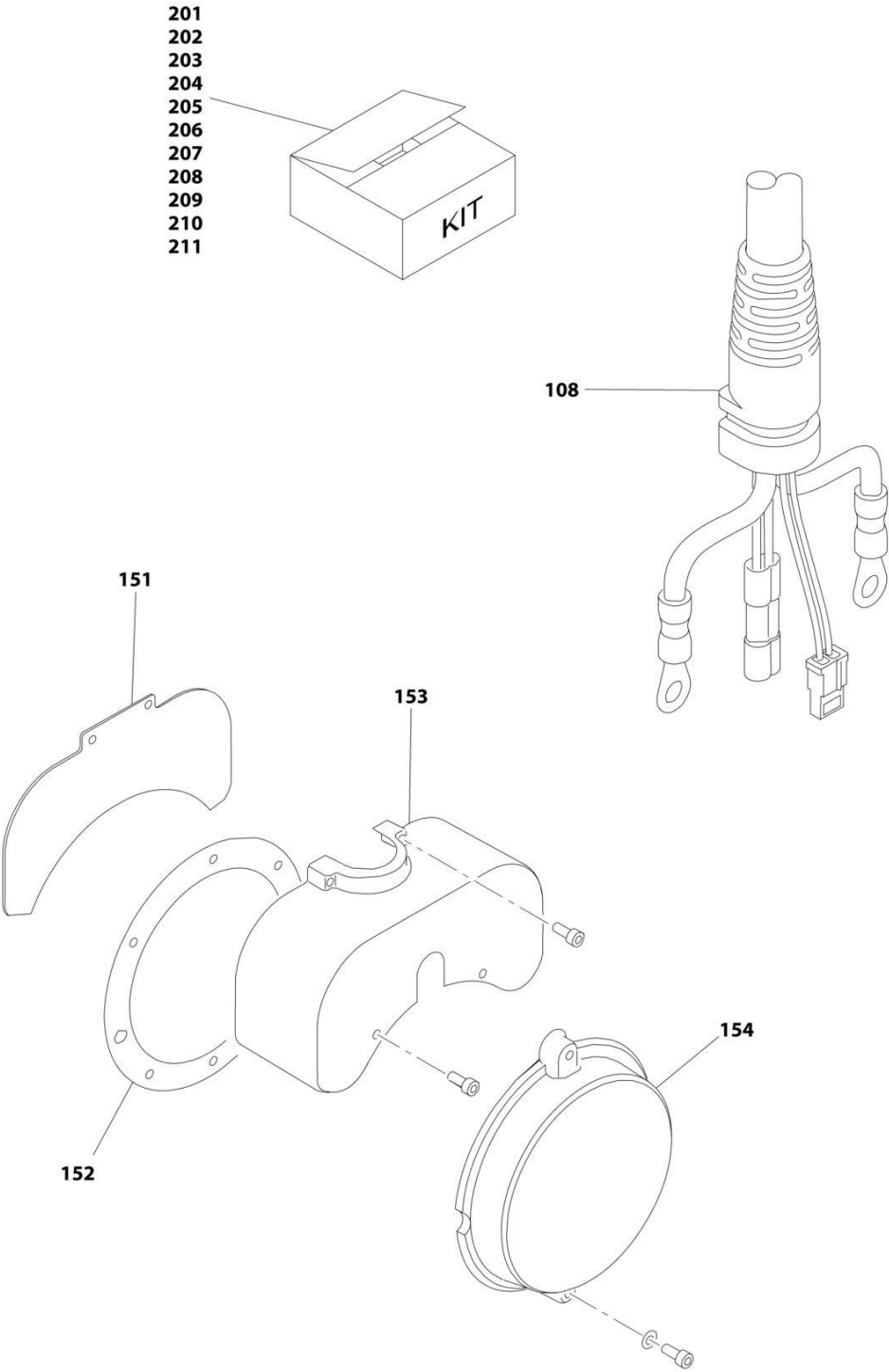
SECTION 1 - FRAME

FIGURE 1-4. DRIVE MOTOR/HUB ASSEMBLY



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SECTION 1 - FRAME



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SECTION 1 - FRAME

FIGURE 1-4. DRIVE MOTOR/HUB ASSEMBLY

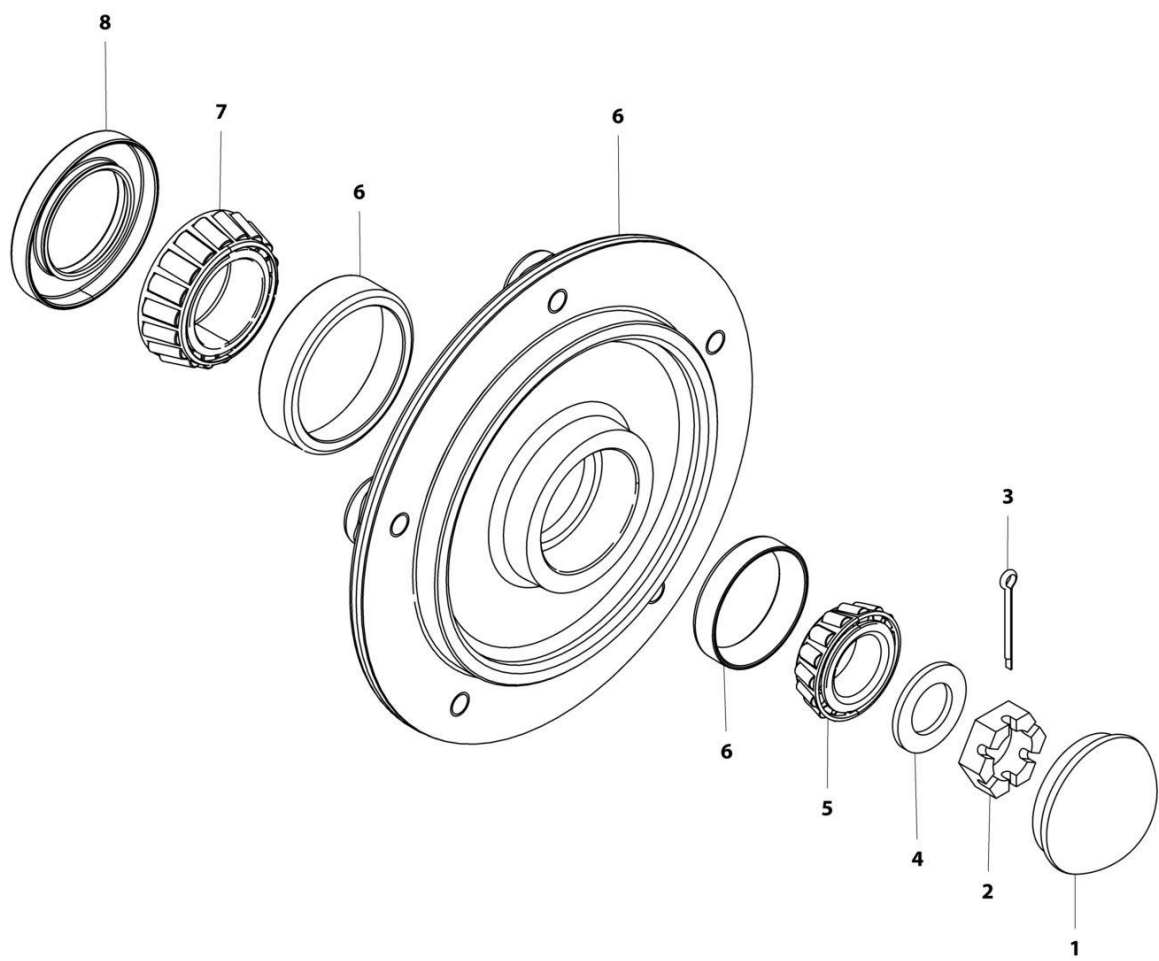
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001092738	Ref	DRIVE MOTOR/HUB ASSEMBLY	K
		Ref	HUB ASSEMBLY	
1	See Note	NSS	Spindle (Note: Purchase Complete Assembly)	
2	See Note	NSS	Hub (Note: Use Item 206)	
3	See Note	NSS	Ring, Input (Note: Use Item 204)	
4	See Note	NSS	Gear, Input Sun (Note: Use Item 203)	
5	See Note	NSS	Gear, Input Planet (Note: Use Item 203)	
6	See Note	NSS	Pin, Planet Gear (Note: Use Item 203)	
7	See Note	NSS	Carrier (Note: Use Item 203)	
8	See Note	NSS	Gear, Output Sun (Note: Use Item 203)	
9	See Note	NSS	Gear, Output Planet (Note: Use Item 207)	
10	See Note	NSS	Pin, Output Planet (Note: Use Item 207)	
11	See Note	NSS	Cover (Note: Use Item 201)	
12	7024757	1	Bushing Kit, Kingpin (Includes 2 Bushings)	
13	See Note	NSS	Motor, Electric (Note: Use Item 205)	
14	See Note	NSS	Bearing, Main (Note: Use Item 202, 204, 206 or 207)	
15	See Note	NSS	Bearing, Shaft (Note: Use Item 207)	
16	70001739	1	Seal, Lip	
17	7024786	1	Seal, Lip	
18	See Note	NSS	Ring, Retaining (Note: Use Item 203)	
19	See Note	NSS	Ring, Retaining (Note: Use Item 201)	
20	70000191	1	O-Ring	
21	See Note	NSS	Washer, Thrust (Note: Use Item 201)	
23	See Note	NSS	Plate, Thrust (Note: Use Item 203)	
24	See Note	NSS	Ring, Retaining (Note: Use Item 203)	
25	See Note	NSS	Washer, Thrust (Note: Use Item 203 or 207)	
26	See Note	NSS	Bushing (Note: Use Item 203 or 207)	
27	See Note	NSS	Ring, Retaining (Note: Use Item 204, 206 or 207)	
28	See Note	NSS	Ring, Retaining (Note: Use Item 207)	
29	See Note	NSS	Plug (Note: Use Item 201)	
32	See Note	NSS	Washer, Tanged (Note: Use Item 207)	
		Ref	BRAKE AND MOTOR COMPONENTS	
103	See Note	NSS	Brush and Terminal Assembly (Note: Use Item 208)	
104	70000790	2	Spring, Brush	
105	70000791	1	Box, Brush	
106	See Note	NSS	Ring, Retaining (Note: Use Item 208)	
107	See Note	NSS	Bearing (Note: Use Item 208)	
108	1001132439	1	Harness, Drive Motor (See Separate Breakdown in ELECTRICAL SECTION)	
109	70000792	1	Commutator	
110	See Note	NSS	Disc, Reaction (Note: Use Item 209)	
111	7024785	1	Disc, Friction	
112	See Note	NSS	Brake Assembly (Note: Use Item 209)	
113	See Note	NSS	Washer (Note: Use Item 210)	
114	See Note	NSS	Bolt (Note: Use Item 210)	
151	See Note	NSS	Plate, Cover (Note: Use Item 211)	
152	70001949	1	Gasket, Cover	
153	70006426	1	Cover, Top	
154	See Note	NSS	Cover, End (Note: Use Item 211)	
		Ref	KIT OPTIONS	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
201	7024747	1	Cover Kit (Includes Items 11, 19, 20, 21 & 29)	
202	7024748	1	Main Seal Kit (Includes Qty 1 of Items 14, 16 & 20)	
203	7024749	1	Input Carrier Kit (Includes Items 4-8, 18, 20 & 23-26)	
204	7024758	1	Input Ring Kit (Includes Items 3, 20, 27 & Qty 1 of Item 14)	
205	70001345	1	Motor Kit (Includes Items 13,17,103-114,151, 152 & 154)	
206	7024756	1	Hub Kit (Includes Items 2, 16, 20, 27 & Qty 1 of Item 14)	
207	7024750	1	Output Planet Kit (Includes Items 9, 10, 15, 20, 25-28, 32 & Qty 1 of Item 14)	
208	7024771	1	Motor Brush and Bearing Kit (Includes Items 103, 106 & 107)	
208	70007781	1	Brush Kit (Brushes Only)	
209	7024772	1	Brake Kit (Includes Items 110, 111 & 112)	
210	7024776	1	Motor Hardware Kit (Includes Items 113 & 114)	
211	70001265	1	Brake Cover Kit (Includes Items 151-154 & Hardware)	

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FIGURE 1-5. HUB ASSEMBLY - REAR



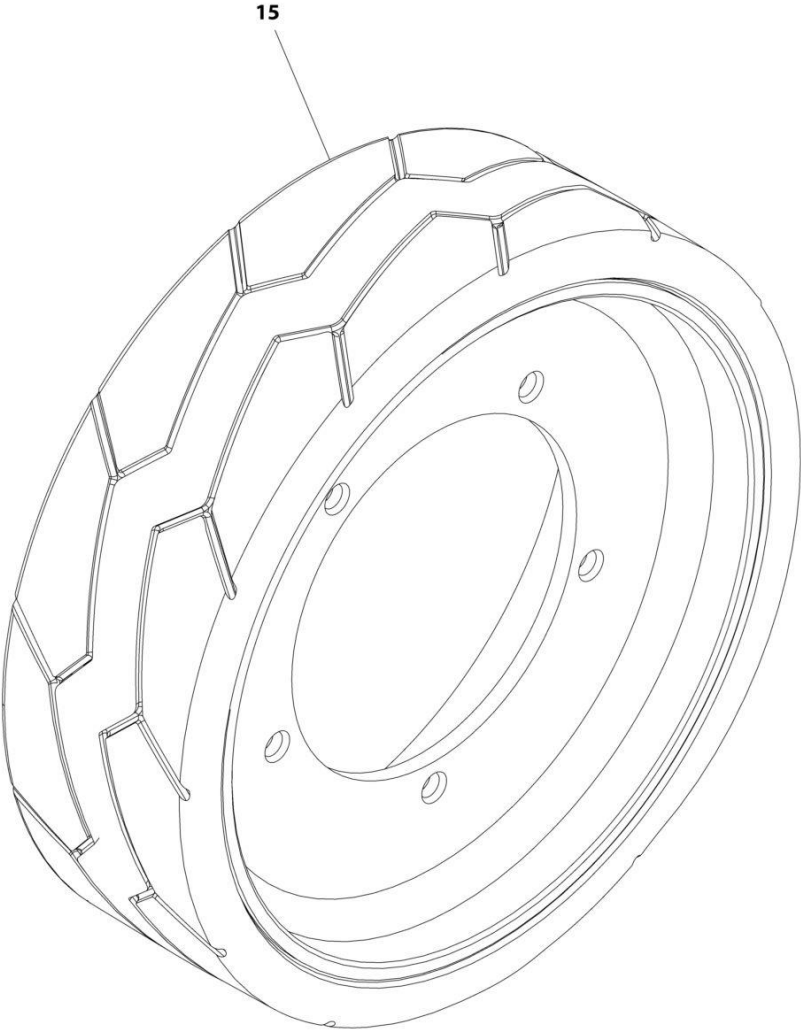
ART_2780266

FIGURE 1-5. HUB ASSEMBLY - REAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780266	Ref	HUB ASSEMBLY - REAR	E
1	1001102354	1	Cap, Dust (was p/n 7012524)	
2	3300423	1	Nut, Slotted (was p/n 7010641)	
3	3450406	1	Pin, Cotter 2 x 3/16 (was p/n 7010642)	
4	4740468	1	Washer (was p/n 7019697)	
5	1001102351	1	Bearing, Cone - Outer (was p/n 7026185)	
6	See Note	NSS	Hub (Note: Purchase Complete Assembly p/n 2780266)	
7	1001102353	1	Bearing, Cone - Inner (was p/n 7026183)	
8	1001102349	1	Seal (was p/n 7026184)	

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FIGURE 1-6. TIRE AND WHEEL ASSEMBLY



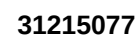
ART_1001114466

FIGURE 1-6. TIRE AND WHEEL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
15	1001114466 2915013	Ref	TIRE AND WHEEL ASSEMBLY	
		Ref	NOTE: MUST REPLACE TIRE AND WHEEL ASSEMBLIES IN PAIRS PER AXLE.	
		4	Tire and Wheel Assembly - Non-Marking	
		4	Tire and Wheel Kit (Includes Tire, Wheel and Bolts)	

26

2646ES_3246ES



ART_1001117266

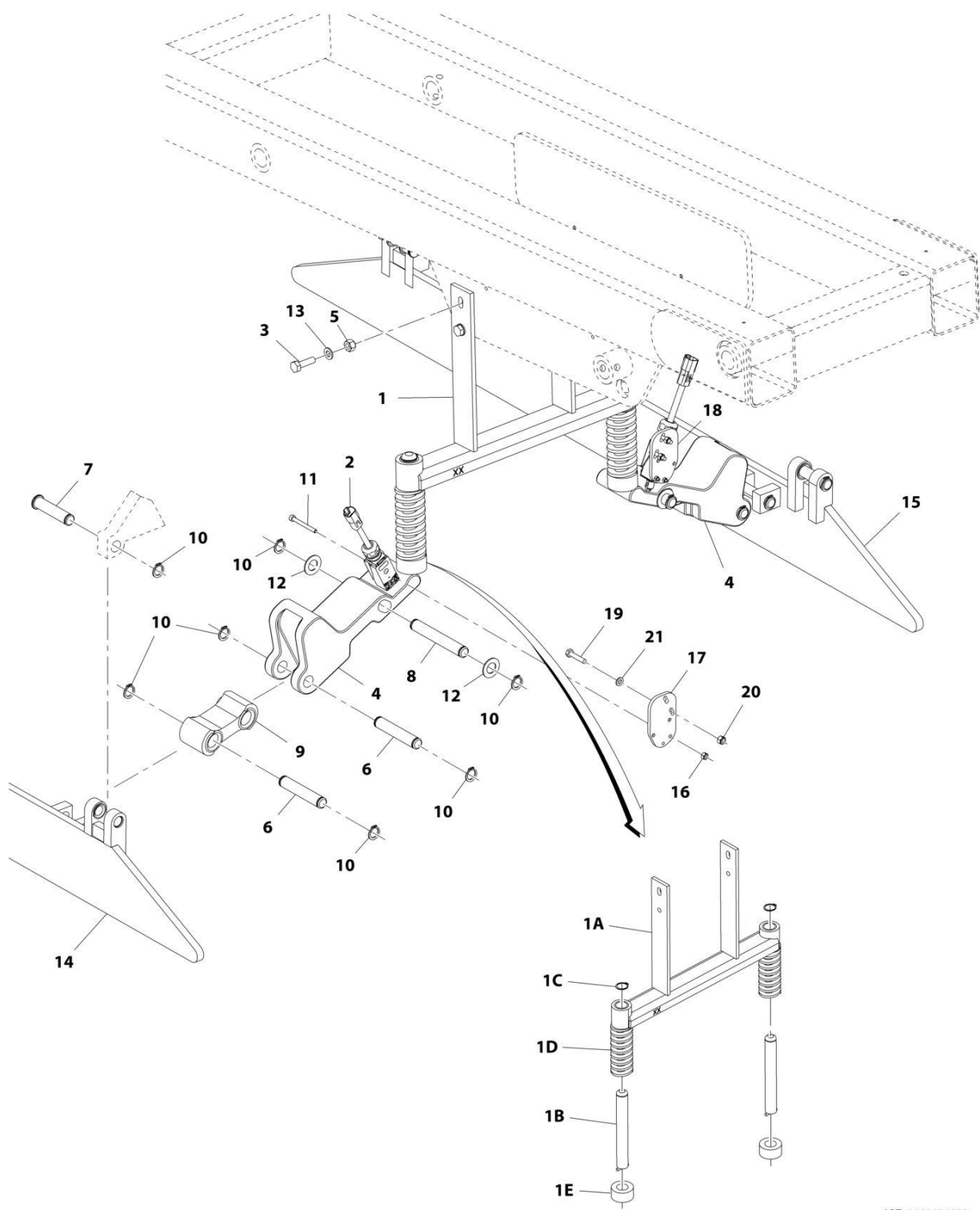
SECTION 1 - FRAME

FIGURE 1-7. POTHOLE PROTECTION INSTALLATION - NON-UL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117266	Ref	POTHOLE PROTECTION INSTALLATION - NON-UL	B
1	0060092	1	Actuator Assembly (Includes Items 1A-1E)	F
1A	0060093	1	Bracket, Actuator	
1B	3423289	2	Pin	
1C	3760115	2	Ring, Retaining	
1D	4160202	2	Spring	
1E	4220293	2	Pad	
3	0701015	4	Bolt M10 x 35	
4	3010158	2	Link	
5	3291005	4	Nut M10 x 1.5	
6	3423045	4	Pin, Pivot	
7	3423189	4	Pin, Pivot	
8	3423267	2	Pin	
9	3574176	2	Plate, Link	
10	3760348	16	Ring, Retaining	
11	4031512	4	Capscrew M4 x 40	
12	4740086	4	Washer, Thrust	
13	4812000	4	Washer M10	
14	4846811	1	Weld, Pothole Support (RH)	
15	4846862	1	Weld, Pothole Support (LH)	
16	3290405	4	Nut M4	
17	1001109232	1	Plate, Mounting	
18	1001109233	1	Plate, Mounting	
19	0700614	4	Bolt M6 x 30	
20	3290605	4	Nut M6	
21	4811700	4	Washer M6	
22	1001109088	2	Switch, Limit	

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FIGURE 1-8. POTHOLE PROTECTION INSTALLATION - UL



ART_1001126903

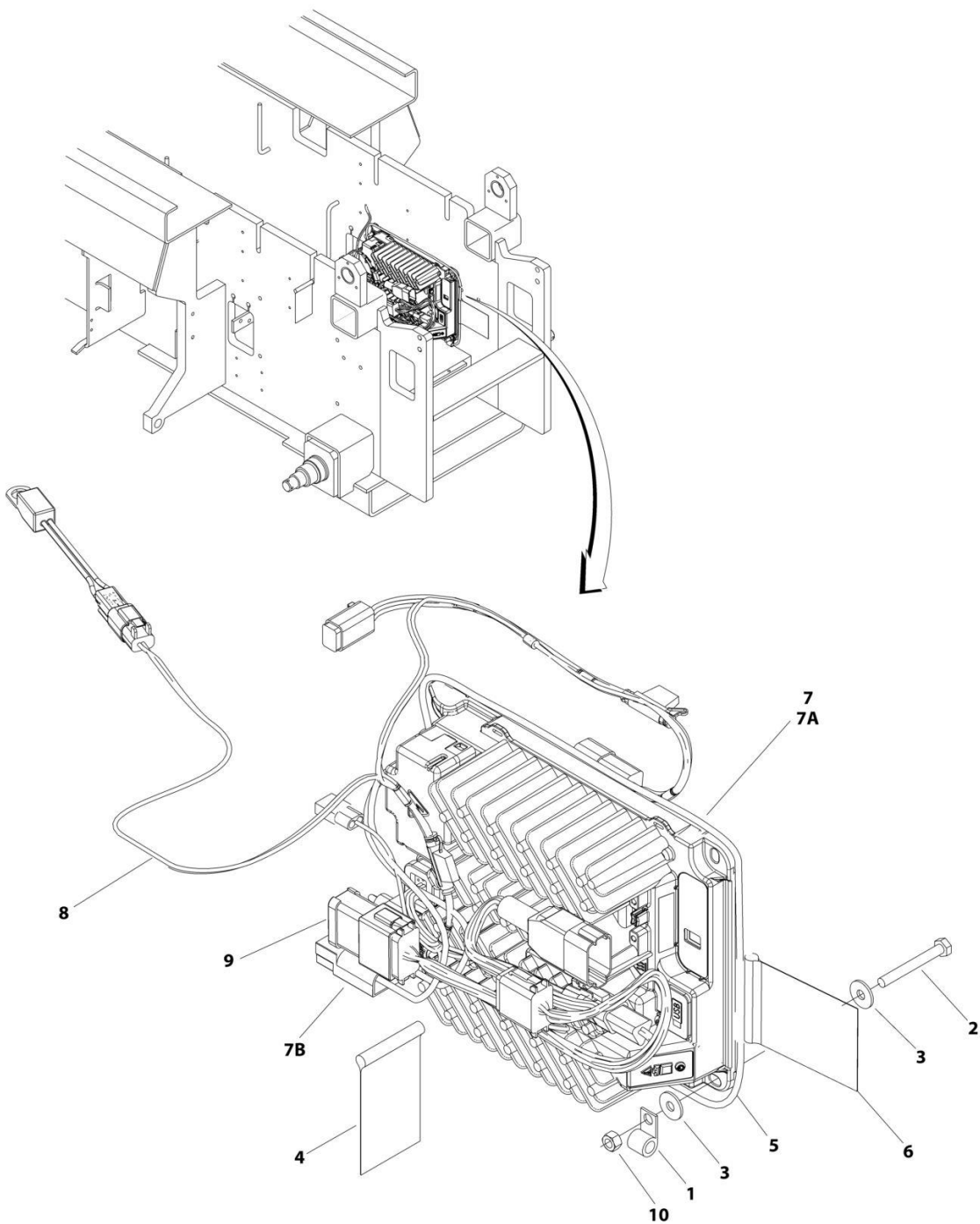
SECTION 1 - FRAME

FIGURE 1-8. POTHOLE PROTECTION INSTALLATION - UL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001126903	Ref	POTHOLE PROTECTION INSTALLATION - UL	B
1	0060092	1	Actuator Assembly (Includes Items 1A-1E)	F
1A	0060093	1	Bracket, Actuator	
1B	3423289	2	Pin	
1C	3760115	2	Ring, Retaining	
1D	4160202	2	Spring	
1E	4220293	2	Pad	
2	1001126905	2	Switch, Limit	
3	0701015	4	Bolt M10 x 35	
4	3010158	2	Link	
5	3291005	4	Nut M10	
6	3423045	4	Pin, Pivot	
7	3423189	4	Pin, Pivot	
8	3423267	2	Pin	
9	3574176	2	Plate, Link	
10	3760348	16	Ring, Retaining	
11	4031512	4	Capscrew M4 x 40	
12	4740086	4	Washer, Thrust	
13	4812000	4	Washer M10	
14	4846811	1	Weld, Pothole Support (RH)	
15	4846862	1	Weld, Pothole Support (LH)	
16	3290405	4	Nut M4	
17	1001109232	1	Plate, Mounting	
18	1001109233	1	Plate, Mounting	
19	0700614	4	Bolt M6 x 30	
20	3290605	4	Nut M6	
21	4811700	4	Washer M6	

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FIGURE 1-9. BATTERY CHARGER INSTALLATION - DELTA-Q WITH 110V PLUG (ANSI, ANSI EXPORT, CSA, JAPANESE, KOREA AND UL SPECS)



ART_1001252958

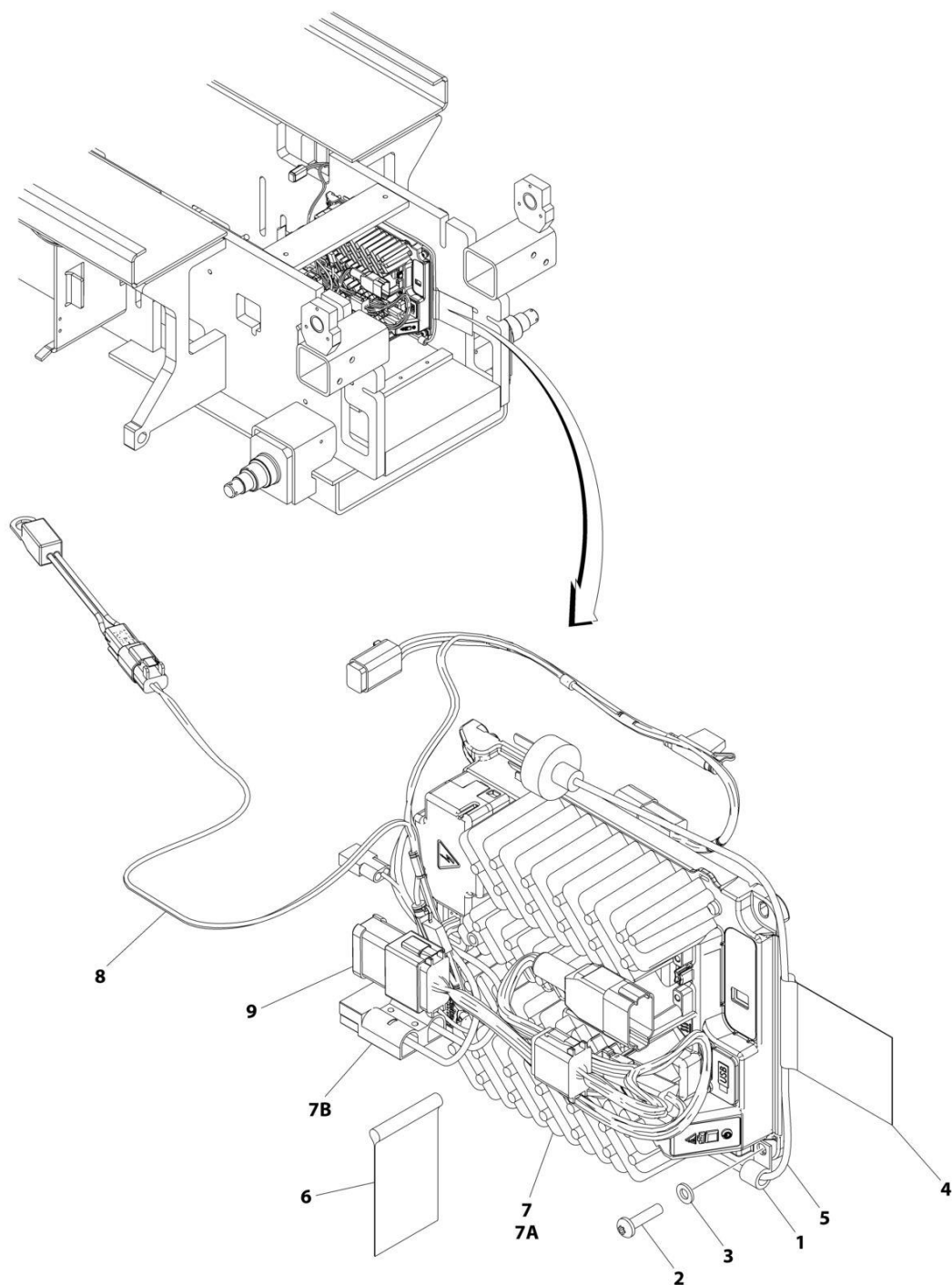
SECTION 1 - FRAME

FIGURE 1-9. BATTERY CHARGER INSTALLATION - DELTA-Q WITH 110V PLUG (ANSI, ANSI EXPORT, CSA, JAPANESE, KOREA AND UL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252958	Ref	BATTERY CHARGER INSTALLATION WITH 110 PLUG	C
1	1321293	1	Clamp	
2	0700618	4	Bolt M6 x 50	
3	4811702	8	Washer M6	
4	1001102258	1	Decal – AC Label	
5	1001207970	1	Cable, Charger Input	
6	1001215870	1	Decal – Charger Input Voltage	
7	1001252957	1	Battery Charger Assembly	
7A	1001253952	1	Charger	
7B	1001253638	1	Harness, Charger (See Separate Breakdown in ELECTRICAL SECTION)	
8	1001253641	1	Harness, Charger (See Separate Breakdown in ELECTRICAL SECTION)	
9	1001253643	1	Harness, ES, Can Splice (See Separate Breakdown in ELECTRICAL SECTION)	
10	3290607	4	Nut M6	

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FIGURE 1-10. BATTERY CHARGER INSTALLATION - DELTA-Q WITH CHINESE PLUG (ANSI EXPORT, CHINESE AND KOREA SPECS) (PVC 1910)



ART_1001253670

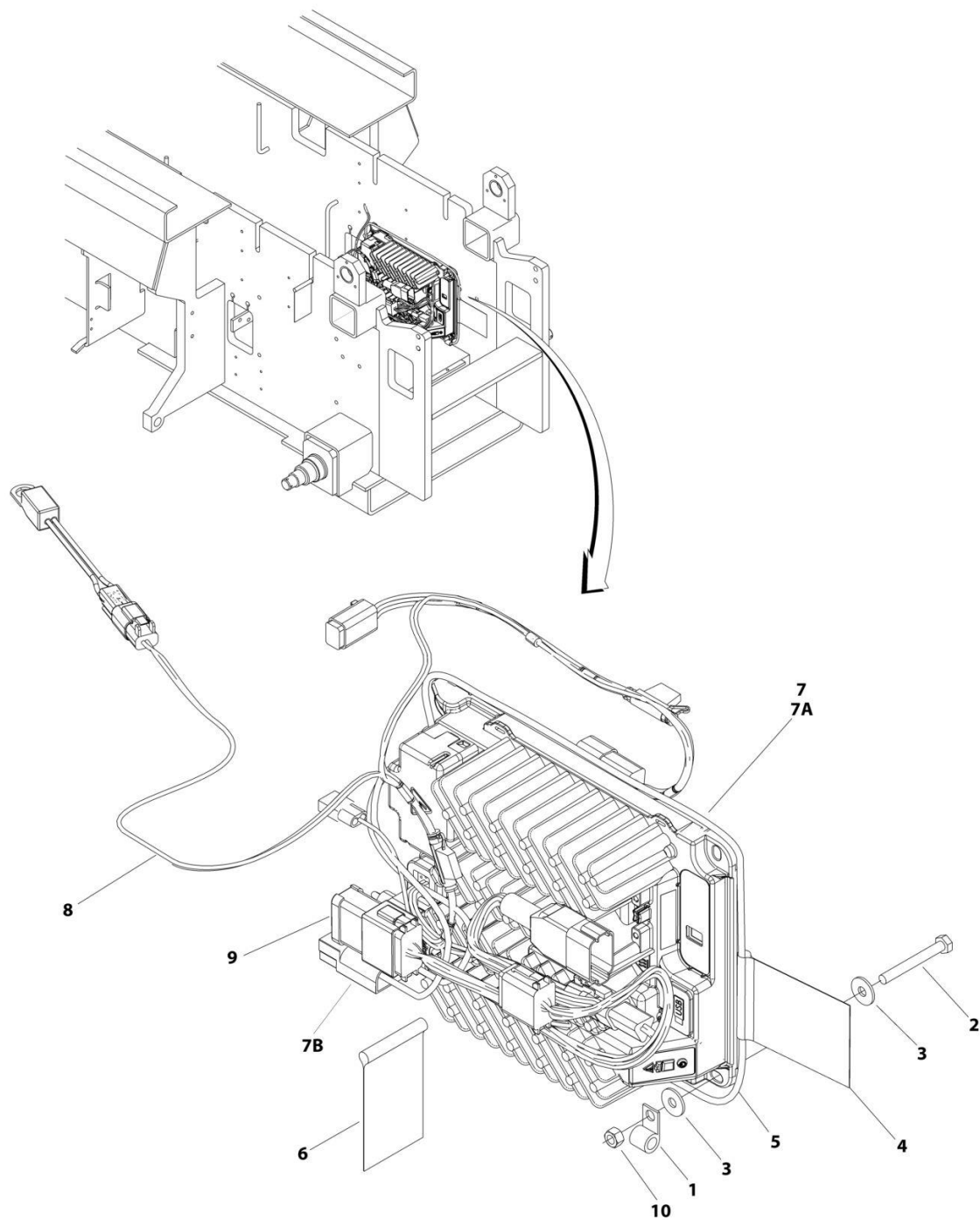
SECTION 1 - FRAME

FIGURE 1-10. BATTERY CHARGER INSTALLATION - DELTA-Q WITH CHINESE PLUG (ANSI EXPORT, CHINESE AND KOREA SPECS) (PVC 1910)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253670	Ref	BATTERY CHARGER INSTALLATION WITH CHINESE PLUG	A
1	1321293	1	Clamp	
2	4191708	4	Bolt M6 x 20	
3	4811700	4	Washer M6	
4	1001102258	1	Decal – AC Label	
5	1001207973	1	Cable, Charger Input	
6	1001215870	1	Decal – Charger Input Voltage	
7	1001252957	1	Battery Charger Assembly	
7A	1001253952	1	Charger	
7B	1001253638	1	Harness, Charger (See Separate Breakdown in ELECTRICAL SECTION)	
8	1001253641	1	Harness, Charger (See Separate Breakdown in ELECTRICAL SECTION)	
9	1001253643	1	Harness, ES, Can Splice (See Separate Breakdown in ELECTRICAL SECTION)	

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FIGURE 1-11. BATTERY CHARGER INSTALLATION - DELTA-Q WITH CHINESE PLUG (ANSI EXPORT, CHINESE AND KOREA SPECS) (PVC 2004)



ART_1001253670_C

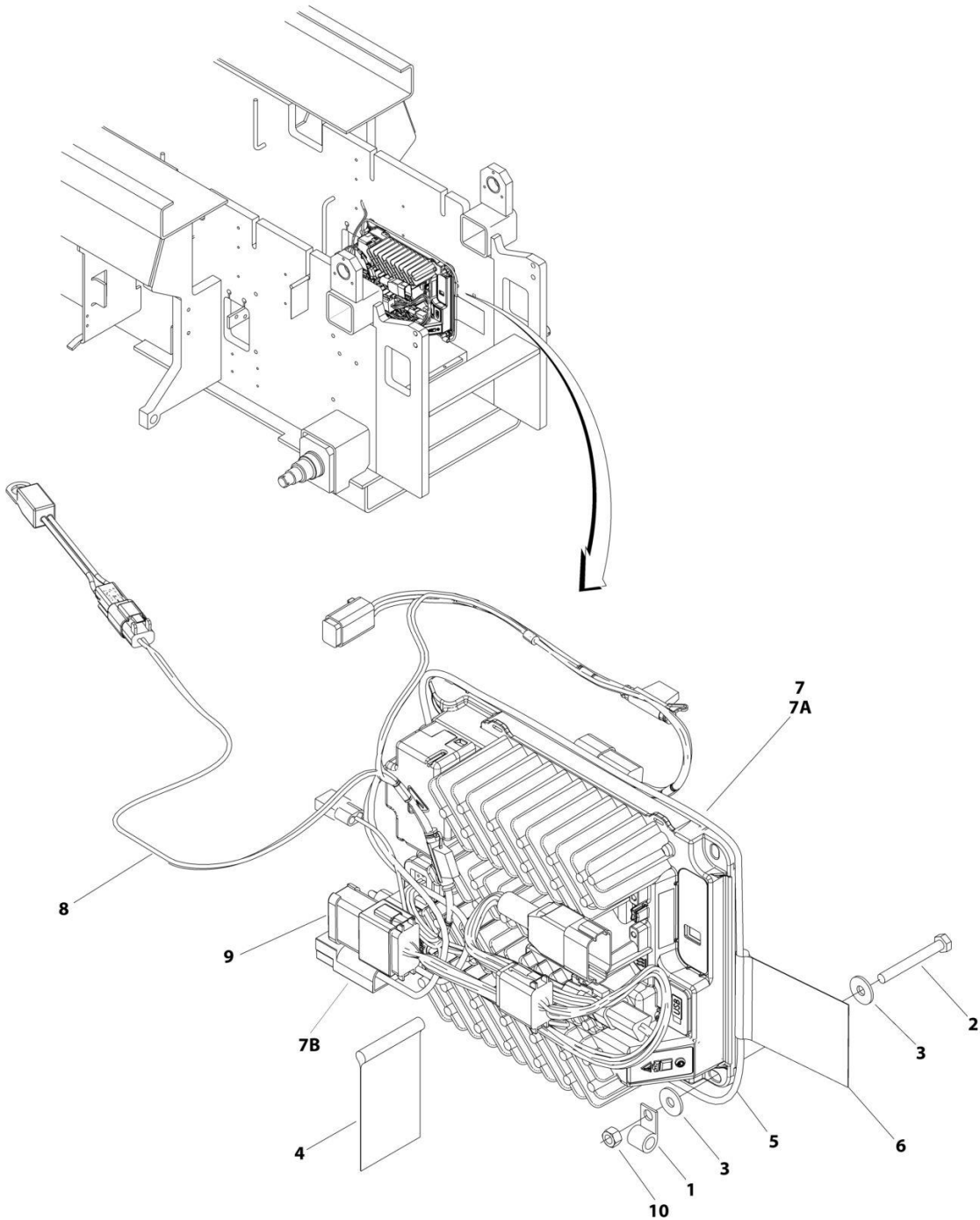
SECTION 1 - FRAME

FIGURE 1-11. BATTERY CHARGER INSTALLATION - DELTA-Q WITH CHINESE PLUG (ANSI EXPORT, CHINESE AND KOREA SPECS) (PVC 2004)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253670	Ref	BATTERY CHARGER INSTALLATION WITH CHINESE PLUG	C
1	1321293	1	Clamp	
2	0700615	4	Bolt M6 x 35	
3	4811702	8	Washer M6	
4	1001102258	1	Decal – AC Label	
5	1001207973	1	Cable, Charger Input	
6	1001215870	1	Decal – Charger Input Voltage	
7	1001252957	1	Battery Charger Assembly	
7A	1001253952	1	Charger	
7B	1001253638	1	Harness, Charger (See Separate Breakdown in ELECTRICAL SECTION)	
8	1001253641	1	Harness, Charger (See Separate Breakdown in ELECTRICAL SECTION)	
9	1001253643	1	Harness, ES, Can Splice (See Separate Breakdown in ELECTRICAL SECTION)	
10	3290607	4	Nut M6	

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FIGURE 1-12. BATTERY CHARGER INSTALLATION - DELTA-Q WITH LOCALLY SUPPLIED PLUG
(ANSI, ANSI EXPORT, CSA, CE AND KOREA SPECS)



ART_1001252959

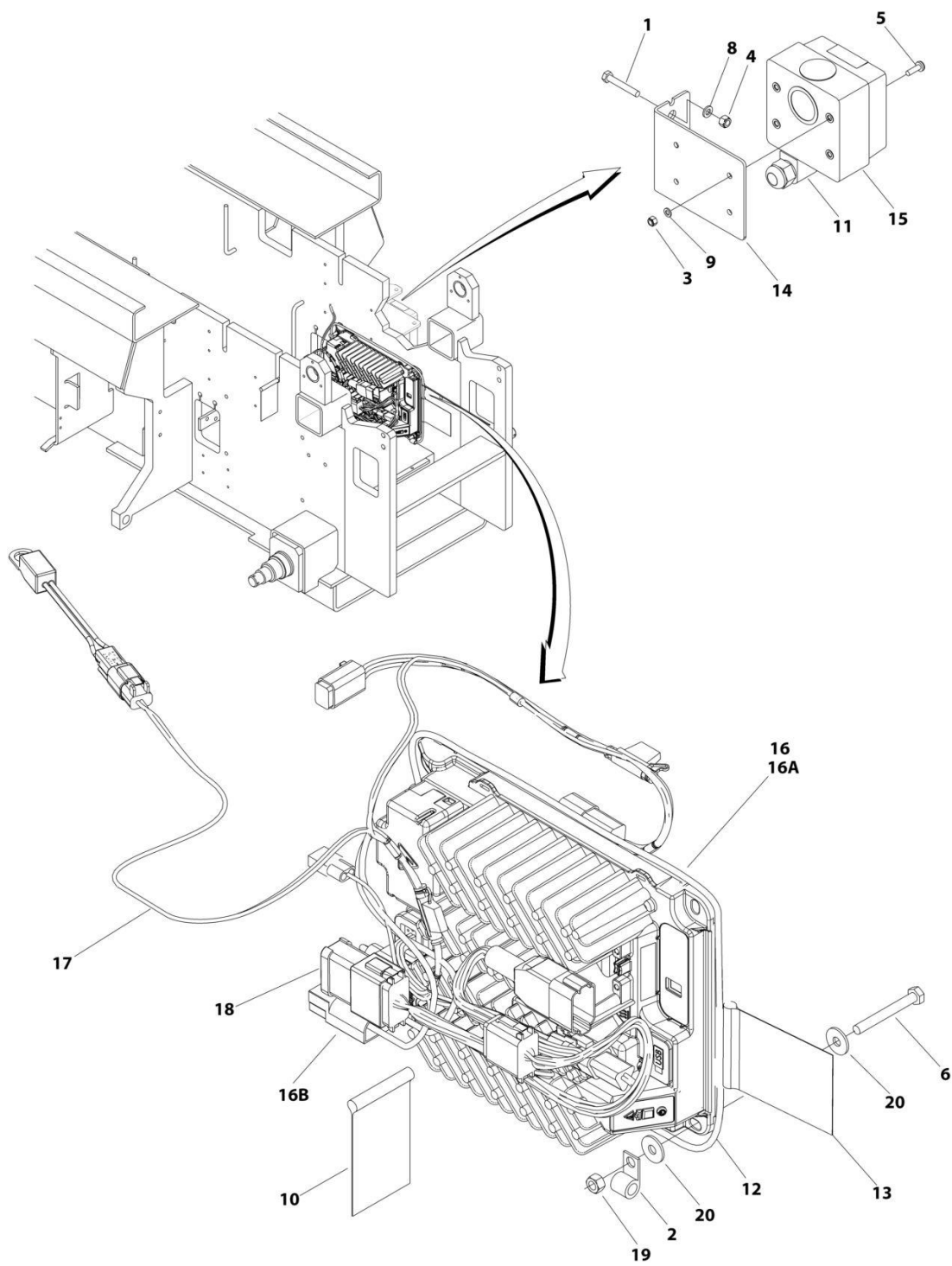
SECTION 1 - FRAME

**FIGURE 1-12. BATTERY CHARGER INSTALLATION - DELTA-Q WITH LOCALLY SUPPLIED PLUG
(ANSI, ANSI EXPORT, CSA, CE AND KOREA SPECS)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252959	Ref	BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG	C
1	1320136	1	Clamp	
2	0700615	4	Bolt M6 x 35	
3	4811702	8	Washer M6	
4	1001102258	1	Decal – AC Label	
5	1001207974	1	Cable, Charger Input	
6	1001215870	1	Decal – Charger Input Voltage	
7	1001252957	1	Battery Charger Assembly	
7A	1001253952	1	Charger	
7B	1001253638	1	Harness, Charger (See Separate Breakdown in ELECTRICAL SECTION)	
8	1001253641	1	Harness, Charger (See Separate Breakdown in ELECTRICAL SECTION)	
9	1001253643	1	Harness, ES, Can Splice (See Separate Breakdown in ELECTRICAL SECTION)	
10	3290607	4	Nut M6	

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**FIGURE 1-13. BATTERY CHARGER INSTALLATION - DELTA-Q WITH LOCALLY SUPPLIED PLUG
(AUSTRALIAN SPEC)**



ART_1001252963

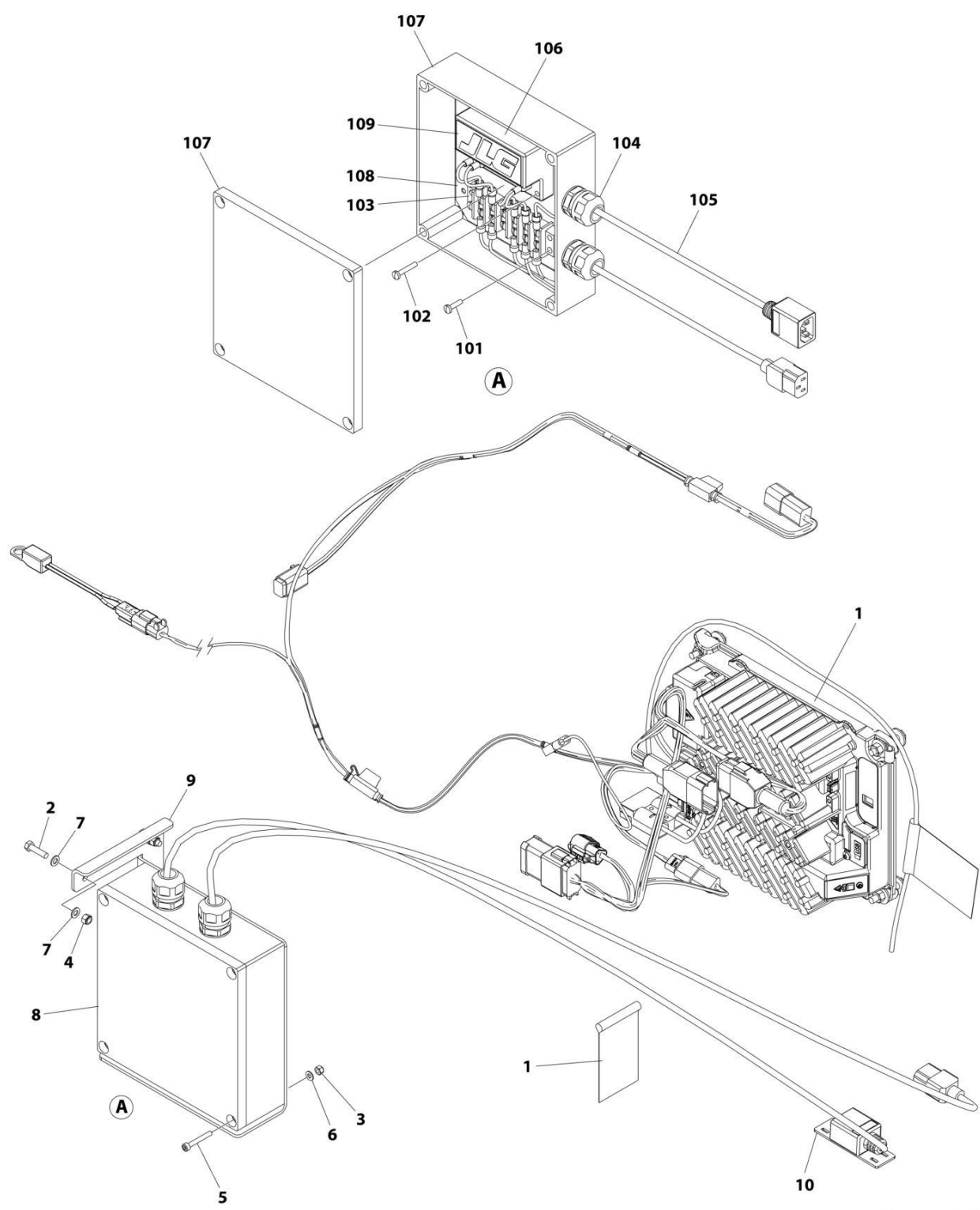
SECTION 1 - FRAME

FIGURE 1-13. BATTERY CHARGER INSTALLATION - DELTA-Q WITH LOCALLY SUPPLIED PLUG (AUSTRALIAN SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252963	Ref	BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG	D
1	0760616	2	Bolt M6 x 40	
2	1320136	1	Clamp	
3	3290505	4	Nut M5	
4	3290605	2	Nut M6	
5	3900381	4	Screw M5 x 16	
6	0700618	4	Bolt M6 x 50	
7	4240033	AR	Tie-Strap e Strap (Not Shown)	
8	4831700	2	Washer M6	
9	4831600	4	Washer M5	
10	1001102258	1	Decal – AC Label	
11	1001103471	1	Connector, Strain Relief	
12	1001207974	NLA	Cable, Charger Input (Use PN 1060689)	
12	1060689	1	Cable, Charger Input	
13	1001215870	1	Decal – Charger Input Voltage	
14	1001227213	1	Bracket	
15	1001227267	1	Electric Assembly	
16	1001252957	1	Battery Charger Assembly	
16A	1001253952	1	Charger	
16B	1001253638	1	Harness, Charger (See Separate Breakdown in ELECTRICAL SECTION)	
17	1001253641	1	Harness, Charger (See Separate Breakdown in ELECTRICAL SECTION)	
18	1001253643	1	Harness, ES, Can Splice (See Separate Breakdown in ELECTRICAL SECTION)	
19	3290607	4	Nut M6	
20	4811702	8	Washer M6	

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FIGURE 1-14. BATTERY CHARGER INSTALLATION - DELTA-Q WITH VOLTAGE GUARD (LOCALLY SUPPLIED PLUG) (ANSI EXPORT AND KOREA SPECS)



ART_1001212459_C

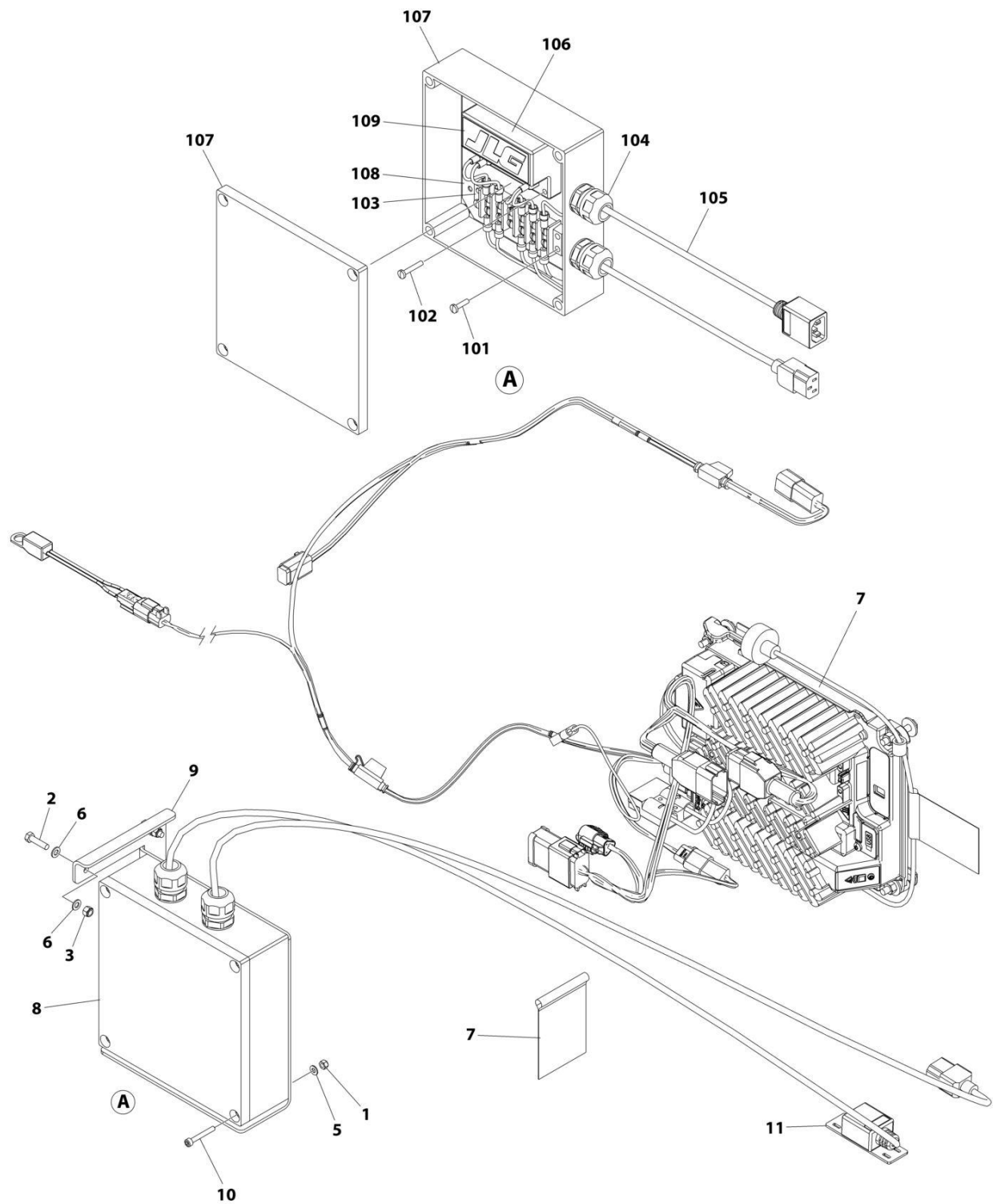
SECTION 1 - FRAME

FIGURE 1-14. BATTERY CHARGER INSTALLATION - DELTA-Q WITH VOLTAGE GUARD (LOCALLY SUPPLIED PLUG) (ANSI EXPORT AND KOREA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212459	Ref	BATTERY CHARGER INSTALLATION - WITH VOLTAGE GUARD (LOCALLY SUPPLIED PLUG)	C
1	1001252959	1	Charger Installation (See Separate Breakdown in this Section)	
2	0700510	2	Bolt M5 x 20	
3	3290405	4	Nut M4	
4	3290505	2	Nut M5	
5	4031510	4	Screw M4 x 30	
6	4811400	4	Washer M4	
7	4811600	4	Washer M5	
8	1001185306	1	Voltage Guard Installation (See Items 101-109)	
9	1001185830	1	Bracket	
10	1001215326	1	Support	
11	4240017	2	Tie Strap (Not Shown)	
	1001185306	Ref	VOLTAGE GUARD INSTALLATION	C
101	4010408	2	Screw M4 x 16	
102	4010412	2	Screw M4 x 24	
103	4460007	1	Bus Bar	
104	4460968	2	Connector Strain Relief	
105	1001184947	1	Harness	
106	1001185156	1	Voltage Guard	
107	1001186497	1	Box	
108	1001187101	1	Plate	
109	1001187530	1	Decal - JLG	

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FIGURE 1-15. BATTERY CHARGER INSTALLATION - DELTA-Q WITH VOLTAGE GUARD AND CHINESE PLUG (ANSI EXPORT AND KOREA SPECS)



ART_1001221857_B

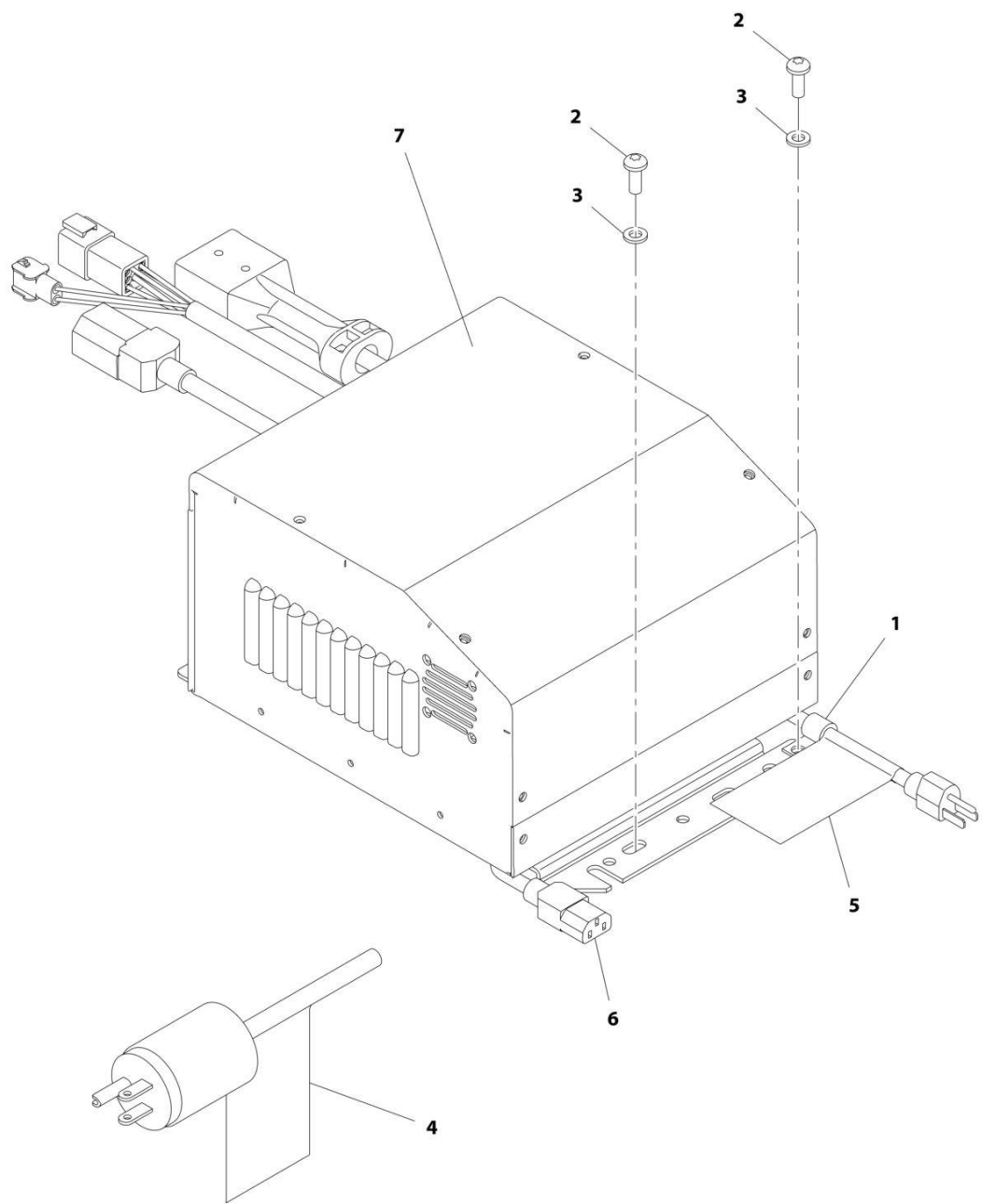
SECTION 1 - FRAME

FIGURE 1-15. BATTERY CHARGER INSTALLATION - DELTA-Q WITH VOLTAGE GUARD AND CHINESE PLUG (ANSI EXPORT AND KOREA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221857	Ref	BATTERY CHARGER INSTALLATION - WITH VOLTAGE GUARD AND CHINESE PLUG	B
1	3290405	4	Nut M4	
2	0700510	2	Bolt M5 x 20	
3	3290505	2	Nut M5	
5	4811400	4	Washer M4	
6	4811600	4	Washer M5	
7	1001253670	1	Charger Installation (See Separate Breakdown in this Section)	
8	1001185306	1	Voltage Guard Installation (See Items 101-109)	
9	1001185830	1	Bracket	
10	4031510	4	Screw M4 x 30	
11	1001215326	1	Support	
12	4240017	2	Tie Strap (Not Shown)	
	1001185306	Ref	VOLTAGE GUARD INSTALLATION	C
101	4010408	2	Screw M4 x 16	
102	4010412	2	Screw M4 x 24	
103	4460007	1	Bus Bar	
104	4460968	2	Connector Strain Relief	
105	1001184947	1	Harness	
106	1001185156	1	Voltage Guard	
107	1001186497	1	Box	
108	1001187101	1	Plate	
109	1001187530	1	Decal - JLG	

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FIGURE 1-16. BATTERY CHARGER INSTALLATION WITH 110V PLUG AND EAGLE PERFORMANCE CHARGER (ANSI AND CSA SPECS)



ART_1001179428

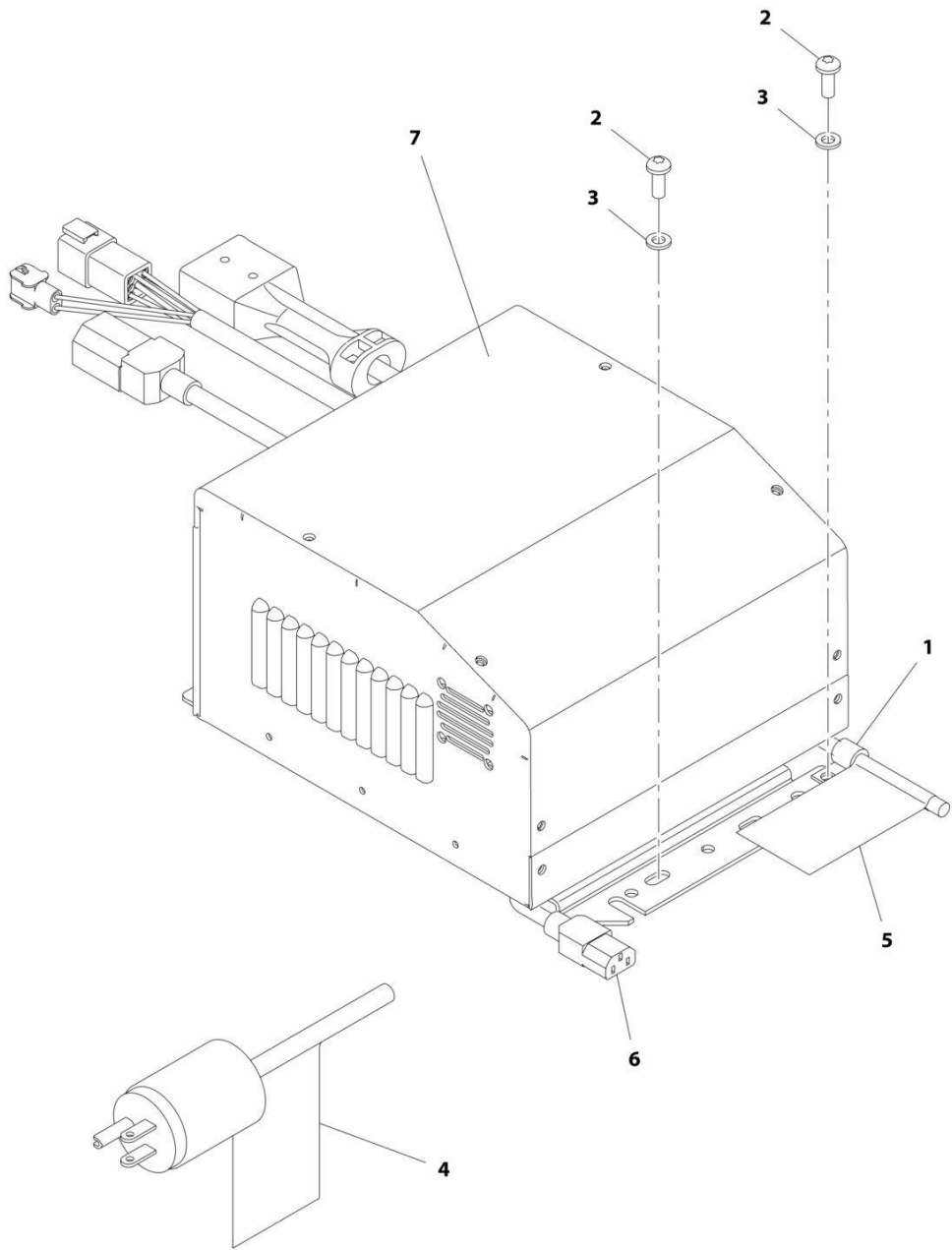
SECTION 1 - FRAME

FIGURE 1-16. BATTERY CHARGER INSTALLATION WITH 110V PLUG AND EAGLE PERFORMANCE CHARGER (ANSI AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179428	Ref	BATTERY CHARGER INSTALLATION WITH 110V PLUG AND EAGLE PERFORMANCE CHARGER	A
1	1321293	1	Clamp	
2	4191707	2	Screw M6 x 16	
3	4811700	2	Washer M6	
4	1001102258	1	Decal - AC to Platform	
5	1001102489	1	Decal - Charger Plug	
6	1001103257	1	Cable, Charger (AC Input)	
7	1001177842	1	Battery Charger Assembly (See Separate Breakdown in this Section)	

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FIGURE 1-17. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG AND EAGLE PERFORMANCE CHARGER (ANSI AND CSA SPECS)



ART_1001180312

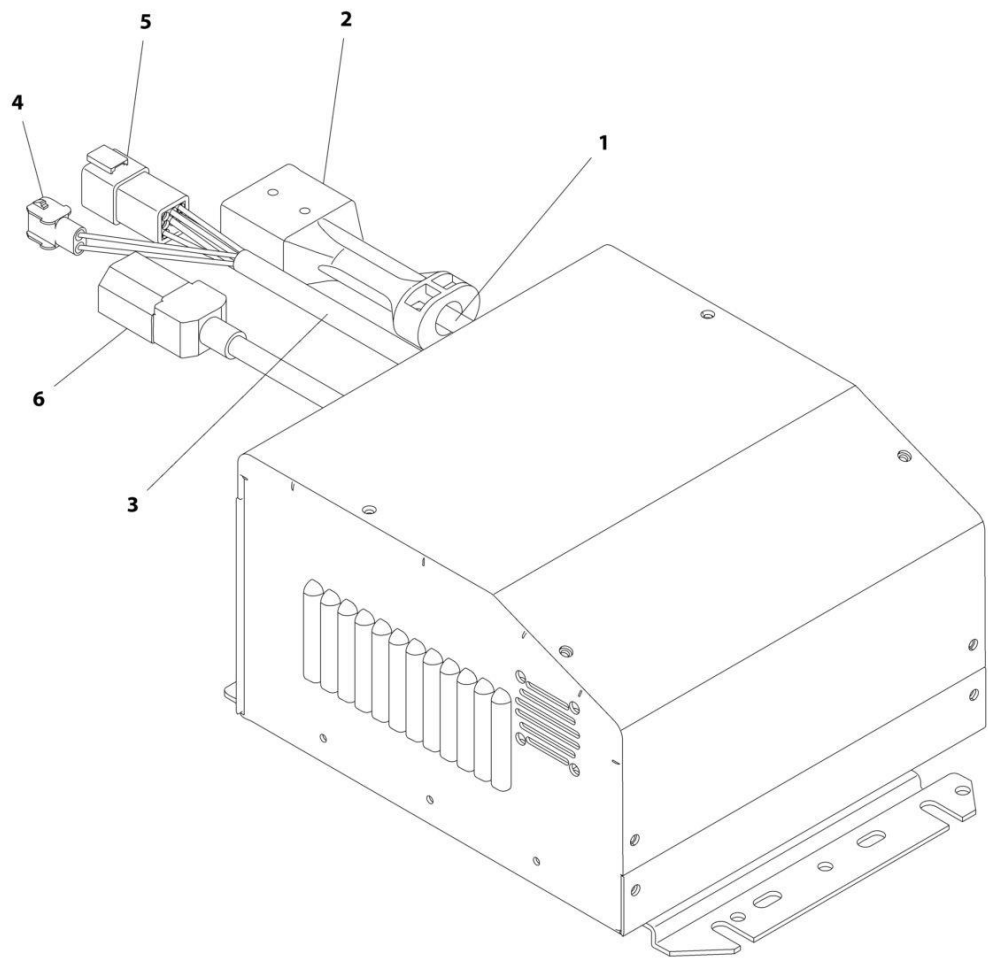
SECTION 1 - FRAME

FIGURE 1-17. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG AND EAGLE PERFORMANCE CHARGER (ANSI AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180312	Ref	BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG AND EAGLE PERFORMANCE CHARGER	A
1	1320136	1	Clamp	
2	4191707	2	Screw M6 x 16	
3	4811700	2	Washer M6	
4	1001102258	1	Decal - AC to Platform	
5	1001102489	1	Decal - Charger Plug	
6	1001103258	1	Cable, Charger (AC Input)	
7	1001177842	1	Battery Charger Assembly (See Separate Breakdown in this Section)	

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FIGURE 1-18. BATTERY CHARGER ASSEMBLY - EAGLE PERFORMANCE



ART_1001177842

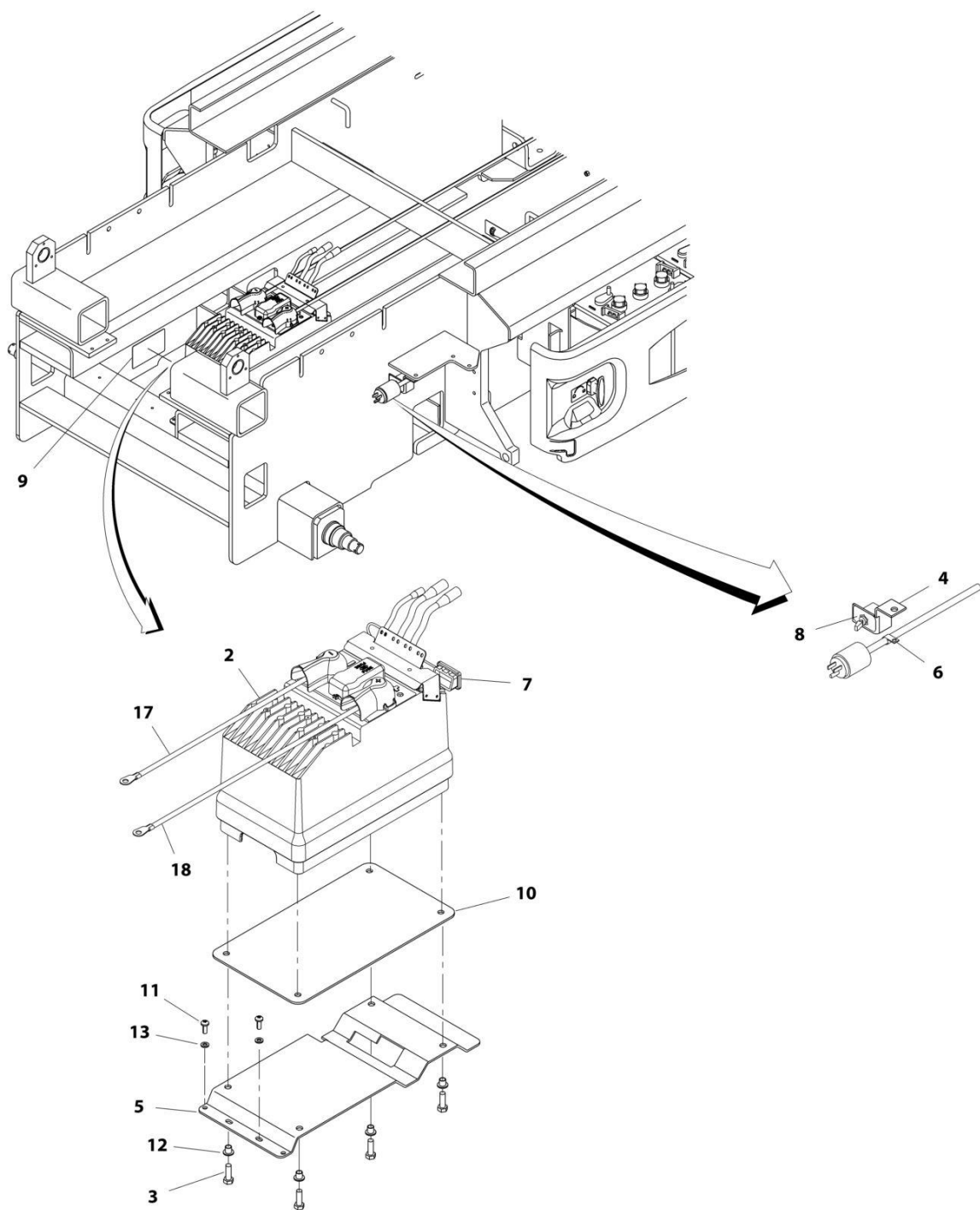
SECTION 1 - FRAME

FIGURE 1-18. BATTERY CHARGER ASSEMBLY - EAGLE PERFORMANCE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177842	Ref	BATTERY CHARGER ASSEMBLY - EAGLE PERFORMANCE	A
1	Not Available	1	Harness with Plug	
2	Not Available	1	Plug, Battery Cable	
3	Not Available	1	Harness	
4	4460424	1	Connector, Female - 2 Position	
4	4460227	2	Pin, Male	
5	4460899	1	Connector, Female - 6 Position	
5	4460464	6	Pin, Male	
6	Not Available	1	Harness with Connector	

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FIGURE 1-19. CHARGER (INVERTER) INSTALLATION (ANSI, ANSI EXPORT, CSA SPECS)



ART_0275105

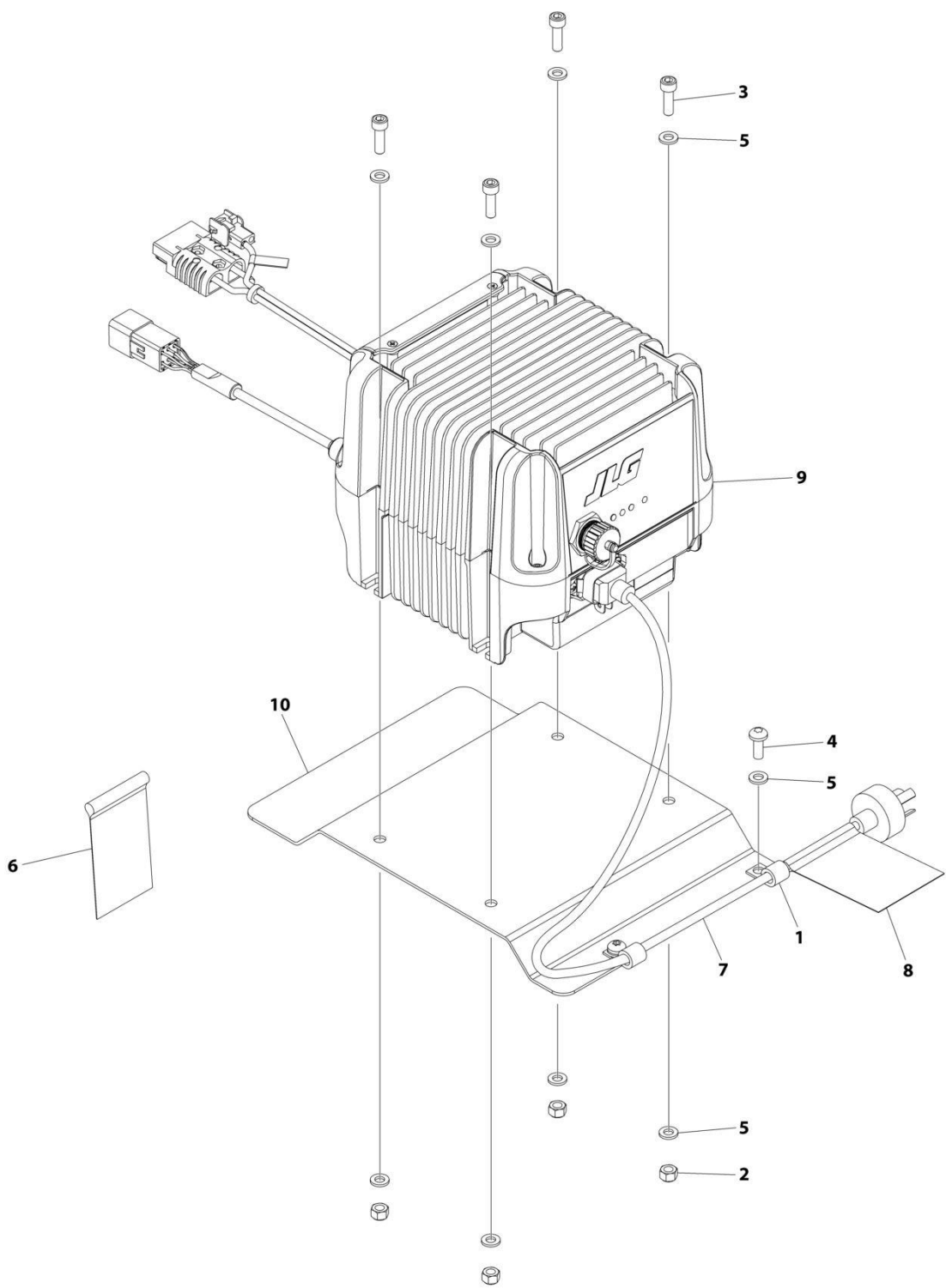
SECTION 1 - FRAME

FIGURE 1-19. CHARGER (INVERTER) INSTALLATION (ANSI, ANSI EXPORT, CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275105	Ref	CHARGER (INVERTER) INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	1001093839	1	Charger, Inverter	
3	0760812	4	Screw M8 x 25	
4	0902780	1	Bracket, Remote Switch	
5	0903319	1	Bracket, Inverter Mounting	
6	1320043	1	Clamp	
7	1671266	1	Cover	
8	1705052	1	Decal - Inverter On-Off	
9	1706749	1	Decal - Inverter	
10	2820239	1	Insulation	
11	4191707	2	Screw M6 x 16	
12	4740562	4	Washer Special	
13	4811700	2	Washer M6	
14	1001091479	1	Harness, AC Input (Not Shown)	
15	4923390	1	Harness, AC Output (Not Shown)	
16	4923391	1	Harness Data Interface (Not Shown)	
17	4923392	1	Cable, Inverter Positive	
18	4923393	1	Cable, Inverter Negative	

SECTION 1 - FRAME

FIGURE 1-20. BATTERY CHARGER INSTALLATION - GREEN POWER (CHINESE PLUG) (CHINA SPECS)



ART_1001186498

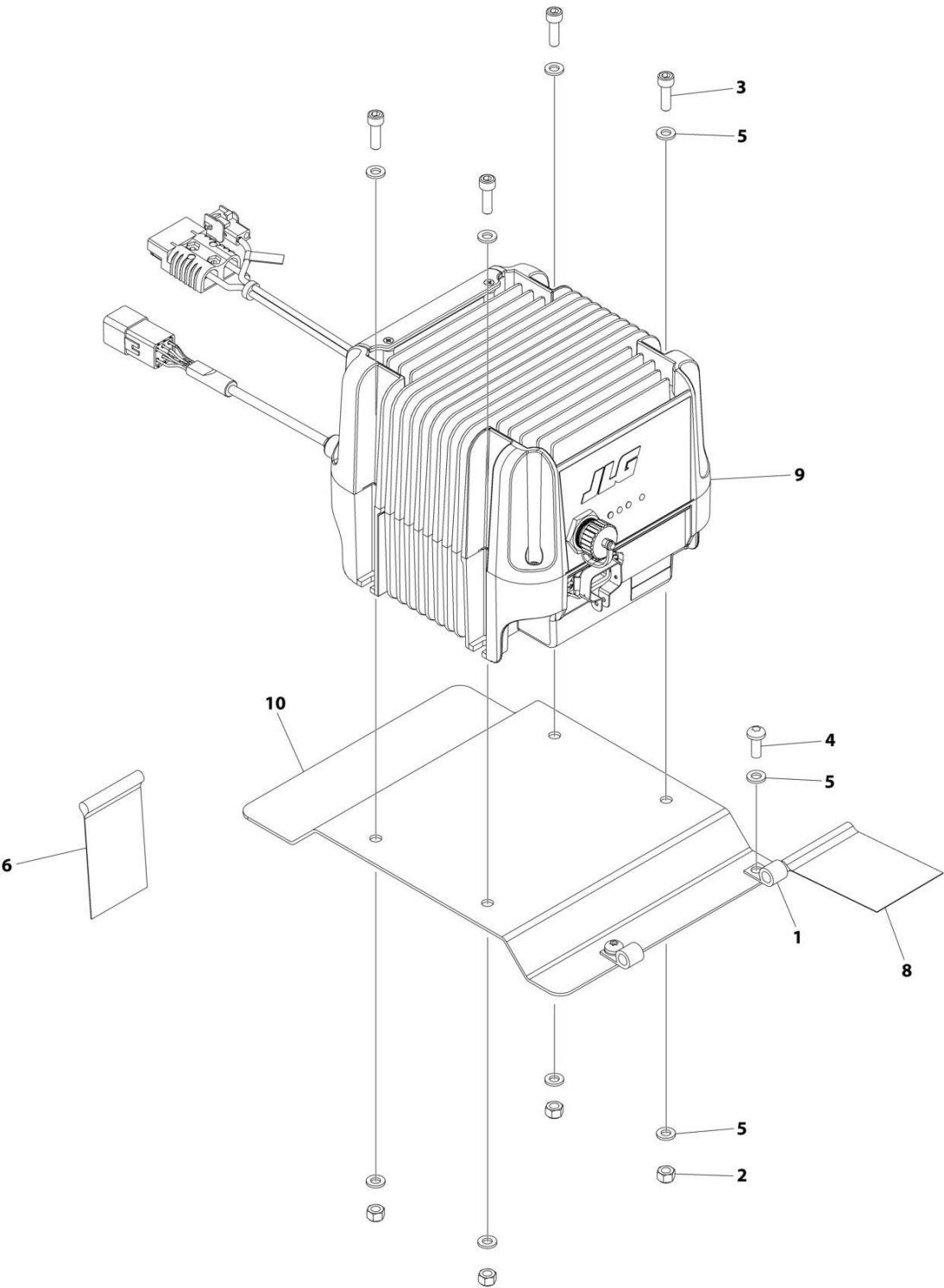
SECTION 1 - FRAME

FIGURE 1-20. BATTERY CHARGER INSTALLATION - GREEN POWER (CHINESE PLUG) (CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186498	Ref	BATTERY CHARGER INSTALLATION - GREEN POWER (CHINESE PLUG)	F
1	1321293	2	Clamp	
2	3290605	4	Nut M6	
3	4031708	4	Capscrew M6 x 20	
4	4191707	2	Screw M6 x 16	
5	4811700	10	Washer M6	
6	1001102258	1	Decal - AC to Platform	
7	1001172010	1	Cable, Charger (AC Input)	
8	1001215870	1	Decal - Charger Plug	
9	1001218595	1	Charger, Battery - Green Power	
10	1001218808	1	Bracket	
11	1001112113	1	Sensor, Temperature (Not Shown - Located on Negative Battery Terminal)	

SECTION 1 - FRAME

FIGURE 1-21. BATTERY CHARGER INSTALLATION - GREEN POWER (LOCALLY SUPPLIED PLUG)
(KOREA SPECS)



ART_1001245319

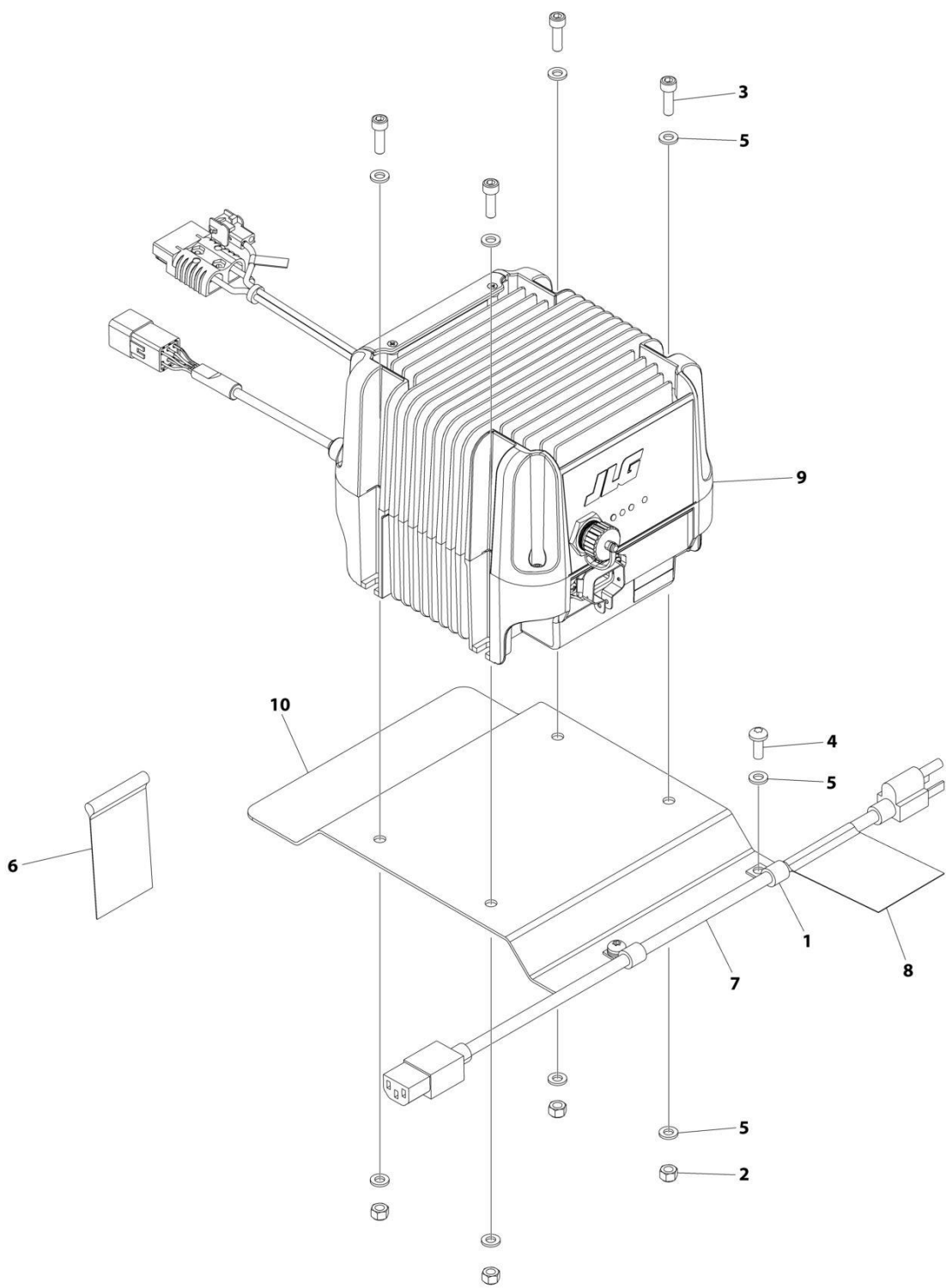
SECTION 1 - FRAME

**FIGURE 1-21. BATTERY CHARGER INSTALLATION - GREEN POWER (LOCALLY SUPPLIED PLUG)
(KOREA SPECS)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245319	Ref	BATTERY CHARGER INSTALLATION - GREEN POWER (LOCALLY SUPPLIED PLUG)	A
1	1321293	2	Clamp	
2	3290605	4	Nut M6	
3	4031708	4	Capscrew M6 x 20	
4	4191707	2	Screw M6 x 16	
5	4811700	10	Washer M6	
6	1001102258	1	Decal - AC to Platform	
7	1001112113	1	Sensor, Temperature (Not Shown - Located on Negative Battery Terminal)	
8	1001215870	1	Decal - Charger Plug	
9	1001218595	1	Charger, Battery - Green Power	
10	1001218808	1	Bracket	

SECTION 1 - FRAME

FIGURE 1-22. BATTERY CHARGER INSTALLATION - GREEN POWER (110V PLUG) (JAPANESE SPECS)



ART_1001244948

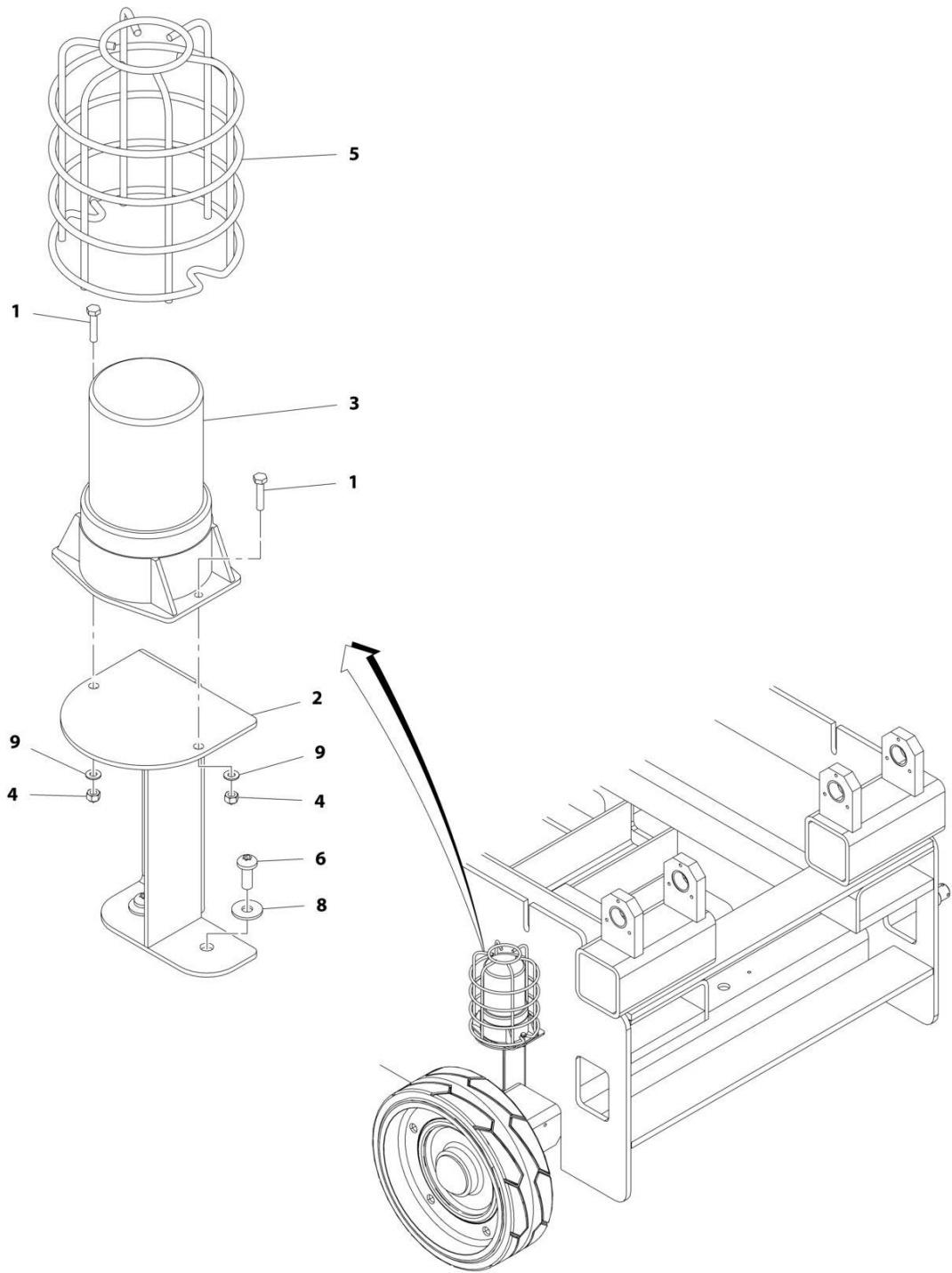
SECTION 1 - FRAME

FIGURE 1-22. BATTERY CHARGER INSTALLATION - GREEN POWER (110V PLUG) (JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244948	Ref	BATTERY CHARGER INSTALLATION - GREEN POWER (110V PLUG)	A
1	1321293	2	Clamp	
2	3290605	4	Nut M6	
3	4031708	4	Capscrew M6 x 20	
4	4031707	2	Capscrew M6 x 16	
5	4811700	10	Washer M6	
6	1001102258	1	Decal - AC to Platform	
7	1001103257	1	Cable, Charger (AC Input)	
8	1001215870	1	Decal - Charger Plug	
9	1001218595	1	Charger, Battery - Green Power	
10	1001218808	1	Bracket	
11	1001112113	1	Sensor, Temperature (Not Shown - Located on Negative Battery Terminal)	

SECTION 1 - FRAME

FIGURE 1-23. BEACON (AMBER) LIGHT INSTALLATION (OPTIONAL)



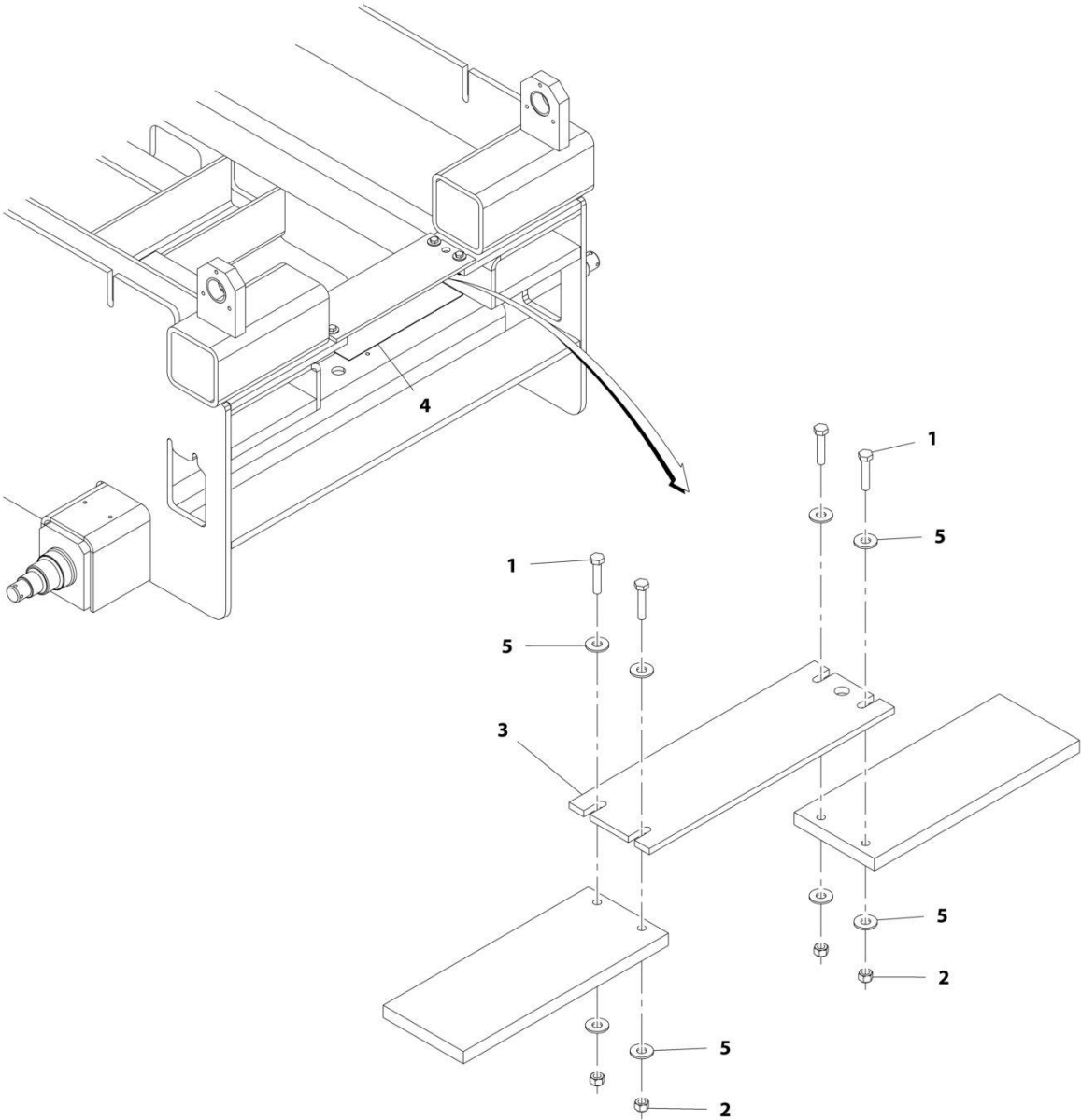
ART_0272980

FIGURE 1-23. BEACON (AMBER) LIGHT INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272980	Ref	BEACON (AMBER) LIGHT INSTALLATION (OPTIONAL)	E
		Ref	Note: See SPECIAL OPTIONS SECTION for Machines with 2 Beacon Lights.	
1	0760410	2	Bolt M4 x 20	
2	0902906	1	Bracket, Beacon Mount	
3	2920161	1	Light, Beacon	
3	7016319	1	Bulb	
3	7016372	1	Lens	
4	3290405	2	Nut M4	
5	4060865	1	Guard	
6	4191707	2	Screw M6 x 16	
8	4811702	2	Washer M6	
9	4750800	2	Washer M8	

SECTION 1 - FRAME

FIGURE 1-24. LADDER INSTALLATION



ART_1001177412

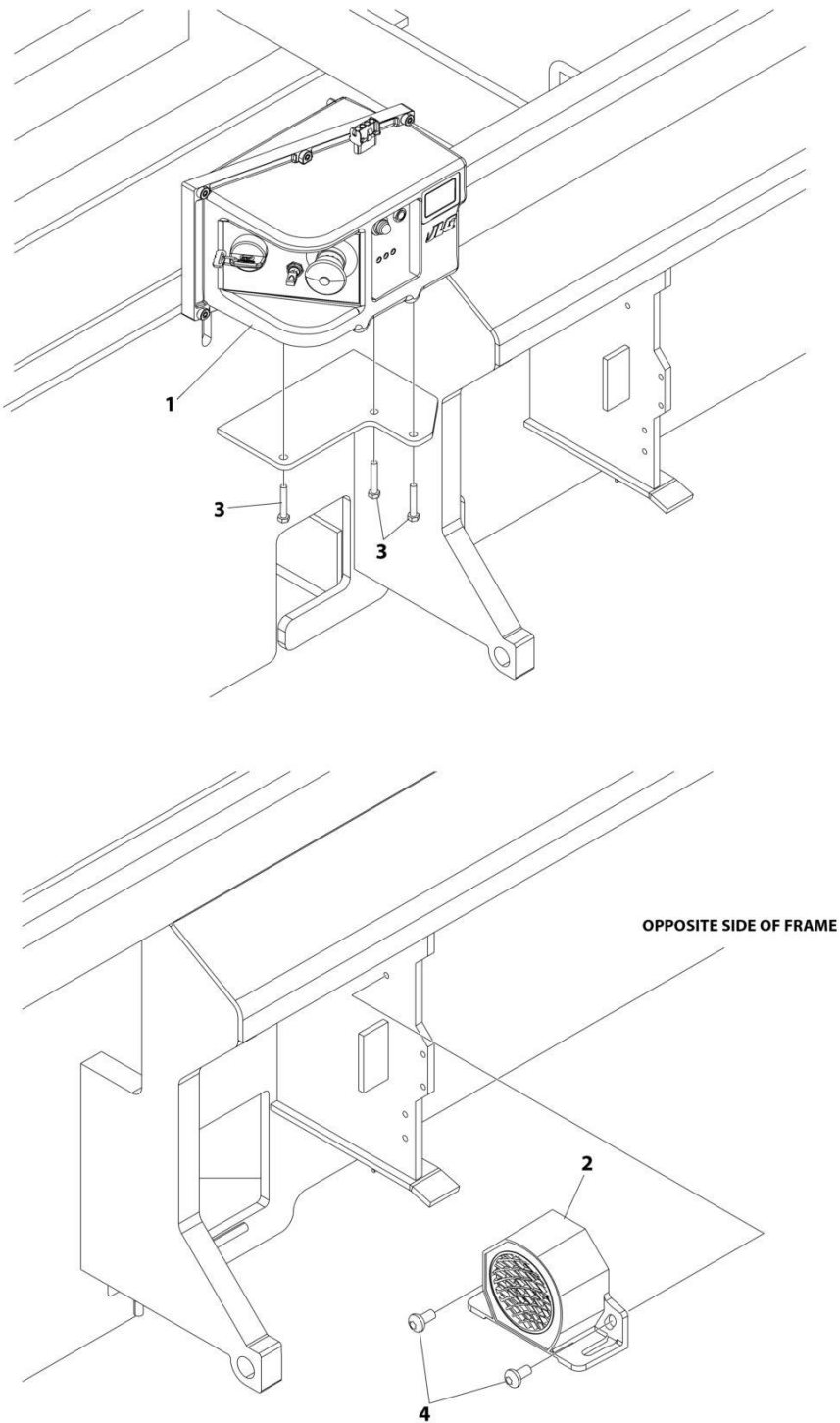
FIGURE 1-24. LADDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177412	Ref	LADDER INSTALLATION	B
1	0700614	4	Bolt M6 x 30	
2	3290605	4	Nut M6	
3	3576349	1	Bar, Step	
4	4420080	1	Tape, Anti-Skid	
5	4751400	8	Washer 1/4	

SECTION 2 - GROUND COMPONENTS

SECTION 2 - GROUND COMPONENTS

FIGURE 2-1. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CHINA AND MEXICO BUILT MACHINES)



ART_1001166828

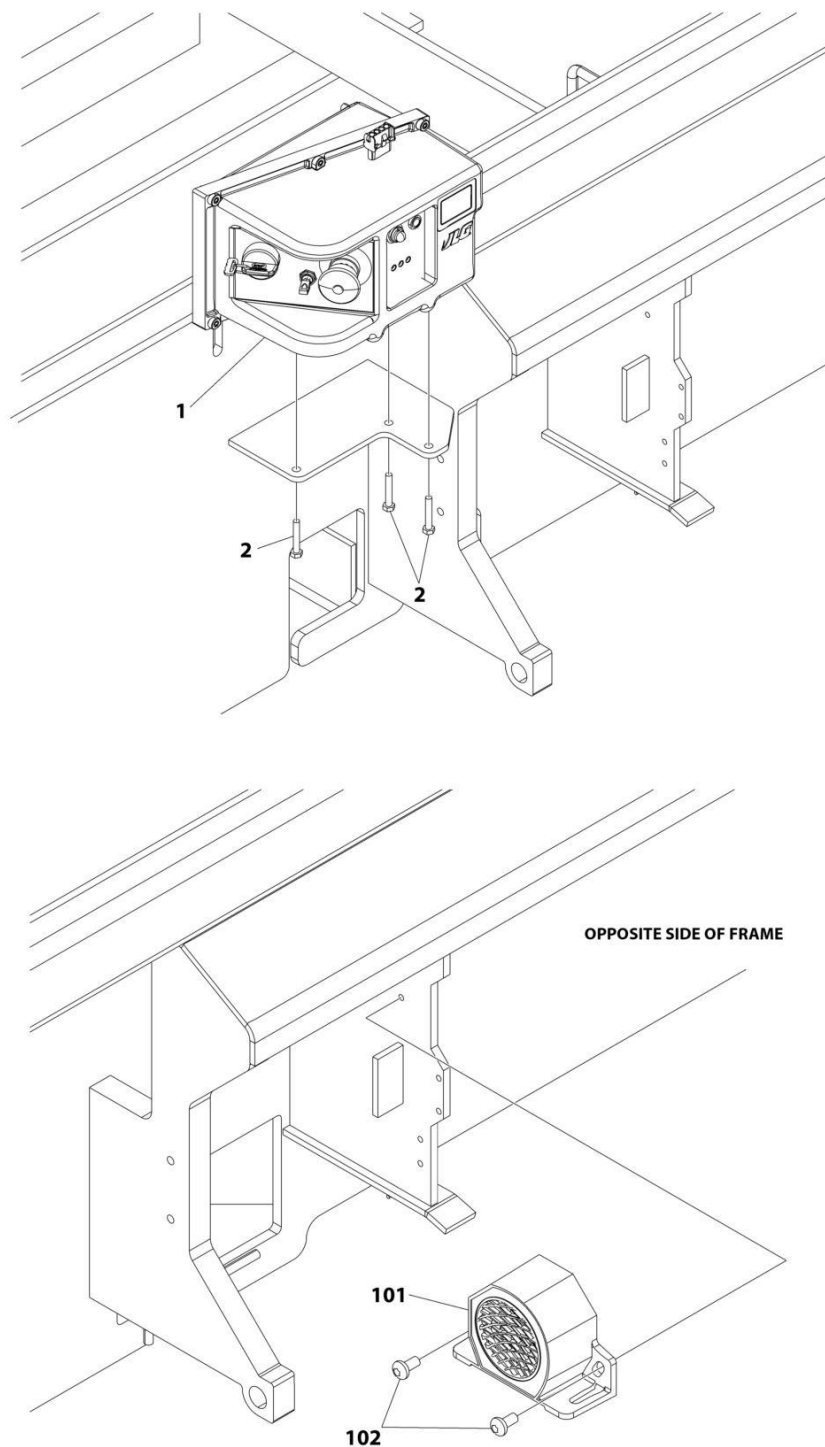
SECTION 2 - GROUND COMPONENTS

FIGURE 2-1. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CHINA AND MEXICO BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166828	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - LSS	C
		Ref	Note: Standard Alarm located on LH side of operators position on machine. Optional Alarms are located on the RH Side of operators position on machines. For optional alarm components, See SPECIAL OPTIONS Section.	
1	1001166197	1	Ground Control Box Assembly (See Separate Breakdown in this Section)	
2	0140043	1	Alarm	
2	4460536	1	Receptacle, Female - 3 Position	
2	4460464	3	Pin, Male	
3	0700615	3	Bolt M6 x 35	
4	4191706	2	Screw M6 x 12	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-2. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (BELGIUM BUILT MACHINES)



ART_1001215247_A

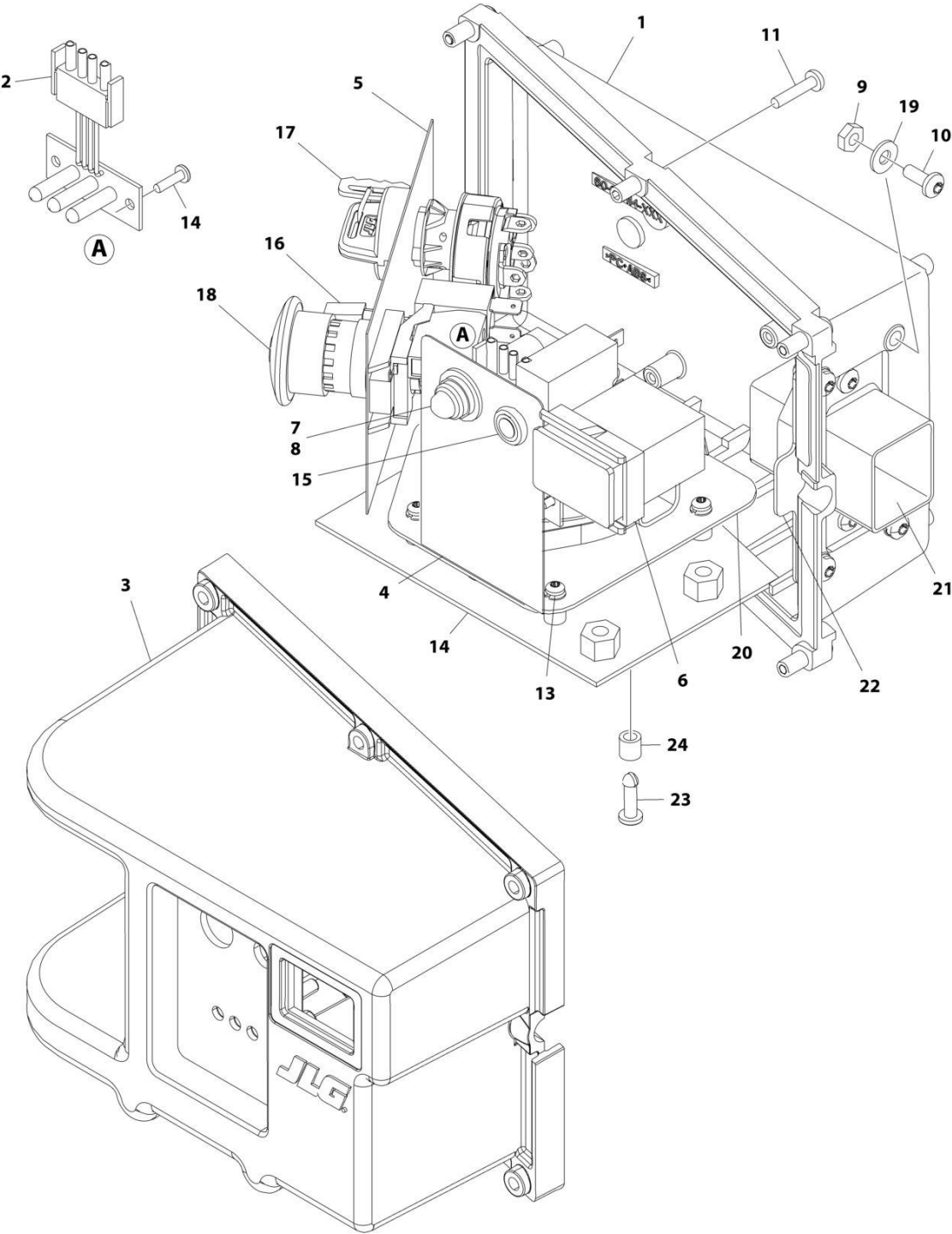
SECTION 2 - GROUND COMPONENTS

FIGURE 2-2. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (BELGIUM BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001215247	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - LSS	A
	1001166197	1	Ground Control Box Assembly (See Separate Breakdown in this Section)	
2	0700615	3	Bolt M6 x 35	A
	1001215248	Ref	Alarm Installation	
101	0140043	1	Alarm	
101	4460536	1	Receptacle, Female - 3 Position	
101	4460464	3	Pin, Male	
102	4191706	2	Screw M6 x 12	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-3. GROUND CONTROL BOX ASSEMBLY - LSS



ART_1001166197_G

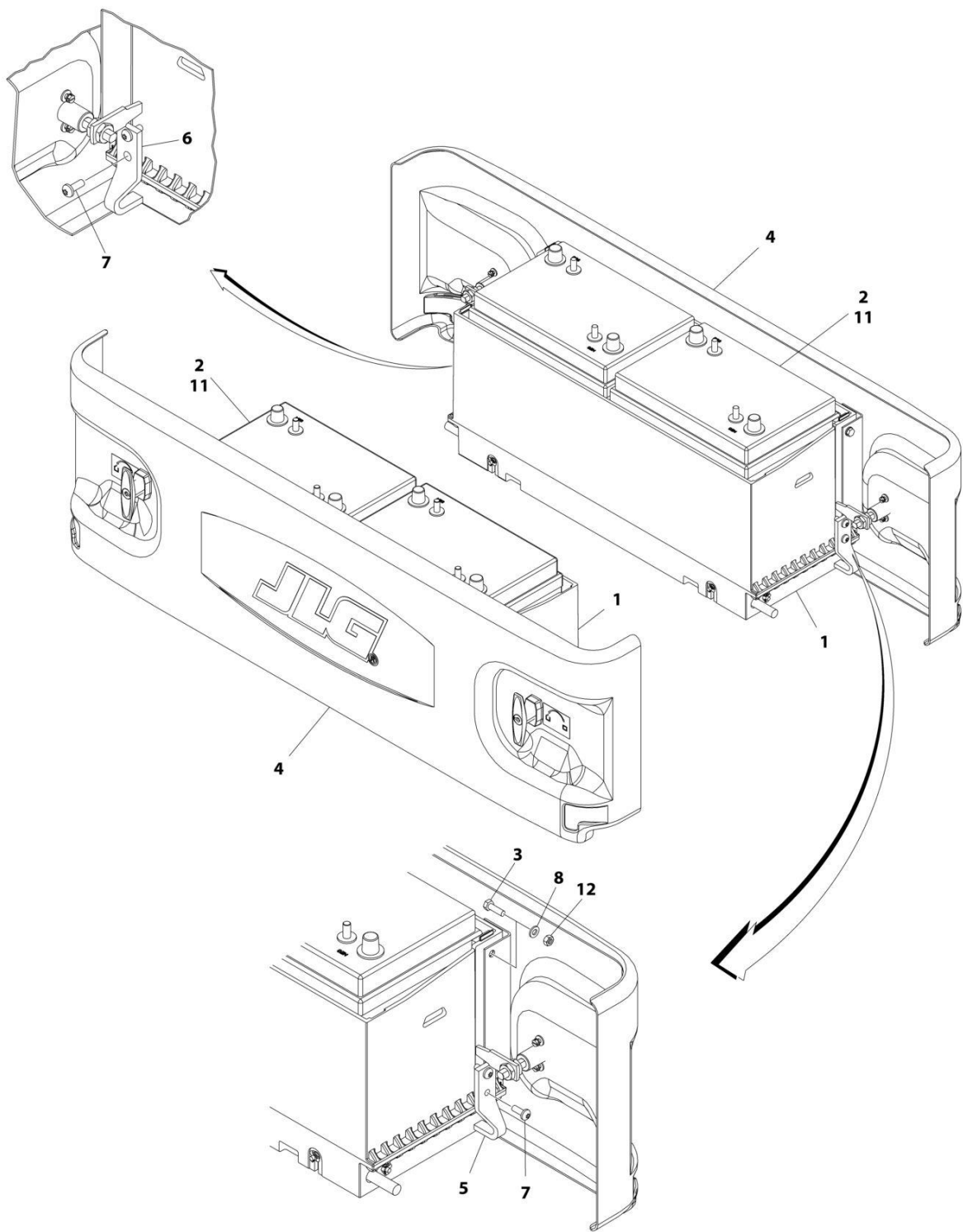
SECTION 2 - GROUND COMPONENTS

FIGURE 2-3. GROUND CONTROL BOX ASSEMBLY - LSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166197	Ref	GROUND CONTROL BOX ASSEMBLY - LSS	G
1	0380025	1	Base, Box	
2	0610161	1	PC Board, Charger LED	
2	4460321	1	Plug, Male - 4 Position	
2	4460268	3	Socket, Female	
3	1671105	1	Cover	
4	1001253951	1	Decal	
5	1705698	1	Decal	
6	2420172	1	Hourmeter	
7	2920026	1	Lamp	
8	2920094	1	Bulb	
9	3321005	4	Nut #10	
10	3900336	6	Screw	
11	3900338	6	Screw	
12	3900339	2	Screw	
13	1001180090	4	Screw M3.5 x 20	
14	1001165315	1	Support	
15	4360069	1	Breaker, Circuit 10Amp	
16	4360328	1	Switch, Toggle	
17	4360469	1	Switch, Key	
17	2860030	1	Key, Replacement	
18	4360475	1	Switch, Emergency Stop	
18	7020175	1	Cap	
18	7020176	1	Block, Contact	
19	4751000	4	Washer #10	
20	1001166255	1	Sensor, Tilt (Includes Sensor, Mounting Plate and Hardware)	
20	3931412	3	Screw 1/4 x 3/4	
20	1001163095	1	Sensor	
20	1001165316	1	Mount, Sensor	
20	1001166776	4	Mount, Standoff	
21	1001167256	1	Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL SECTION)	
22	1001114937	1	Mount, Harness	
23	1001165284	1	Fastener	
24	1001165286	1	Spacer	

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FIGURE 2-4. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-LOCKING COVERS)



ART_0275401-F

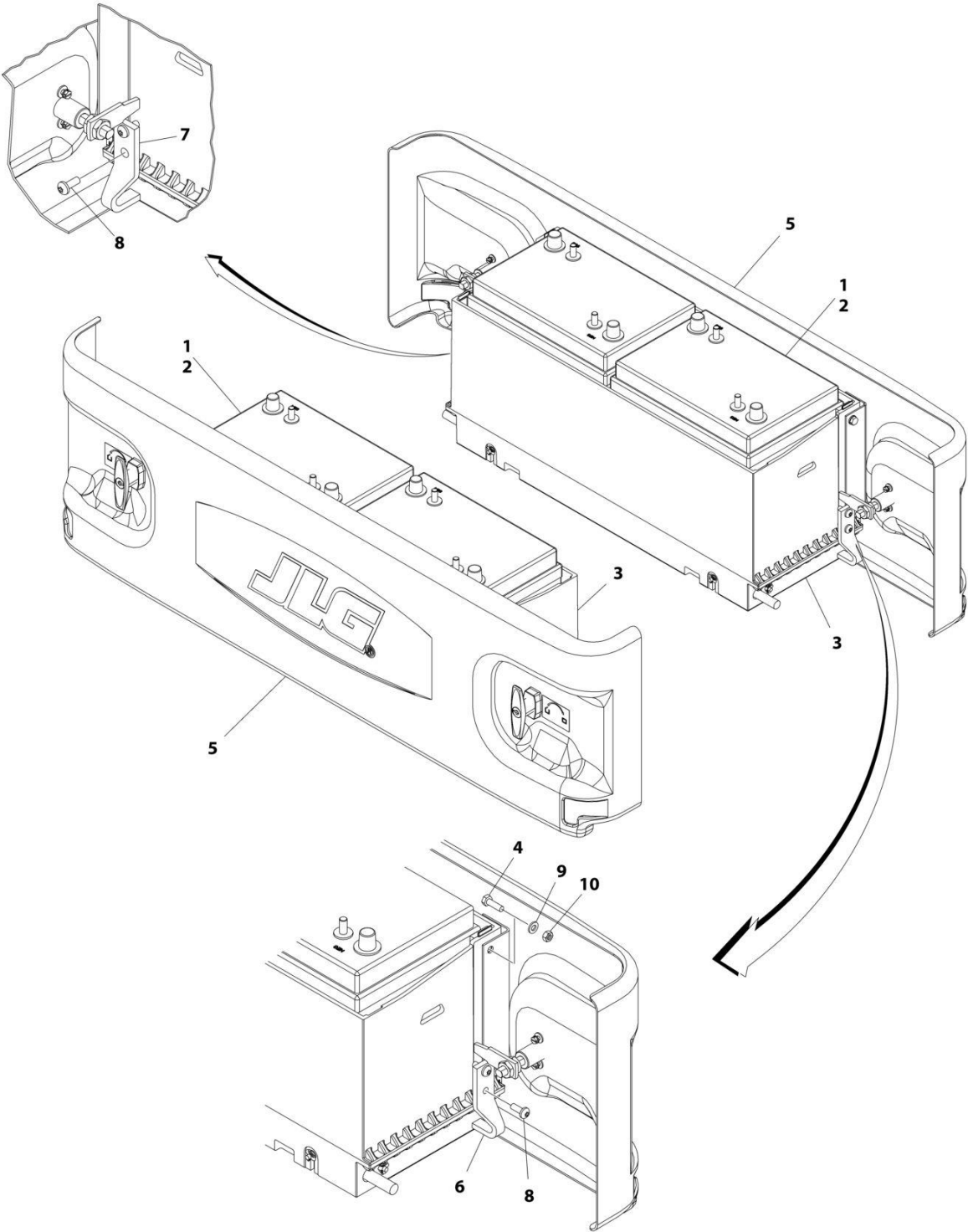
SECTION 2 - GROUND COMPONENTS

FIGURE 2-4. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275401	1	BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-LOCKING COVERS)	F
1	0273698	2	Tray Assembly (See Separate Breakdown in this Section)	
2	1001112112	4	Battery Type EVGC6A-A	
3	1001100451	8	Bolt M6 x 20	
4	1671202	2	Cover Assembly (See Separate Breakdown in this Section)	
5	3574981	2	Plate, Slide Stop (LH)	
6	3574984	2	Plate, Slide Stop (RH)	
7	4191707	8	Screw M6 x 16	
8	4811700	8	Washer M6	
11	0100051	AR	Grease, Terminal	
12	3290605	8	Nut M6	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-5. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-UL LOCKING COVERS)



ART_1001132233-D

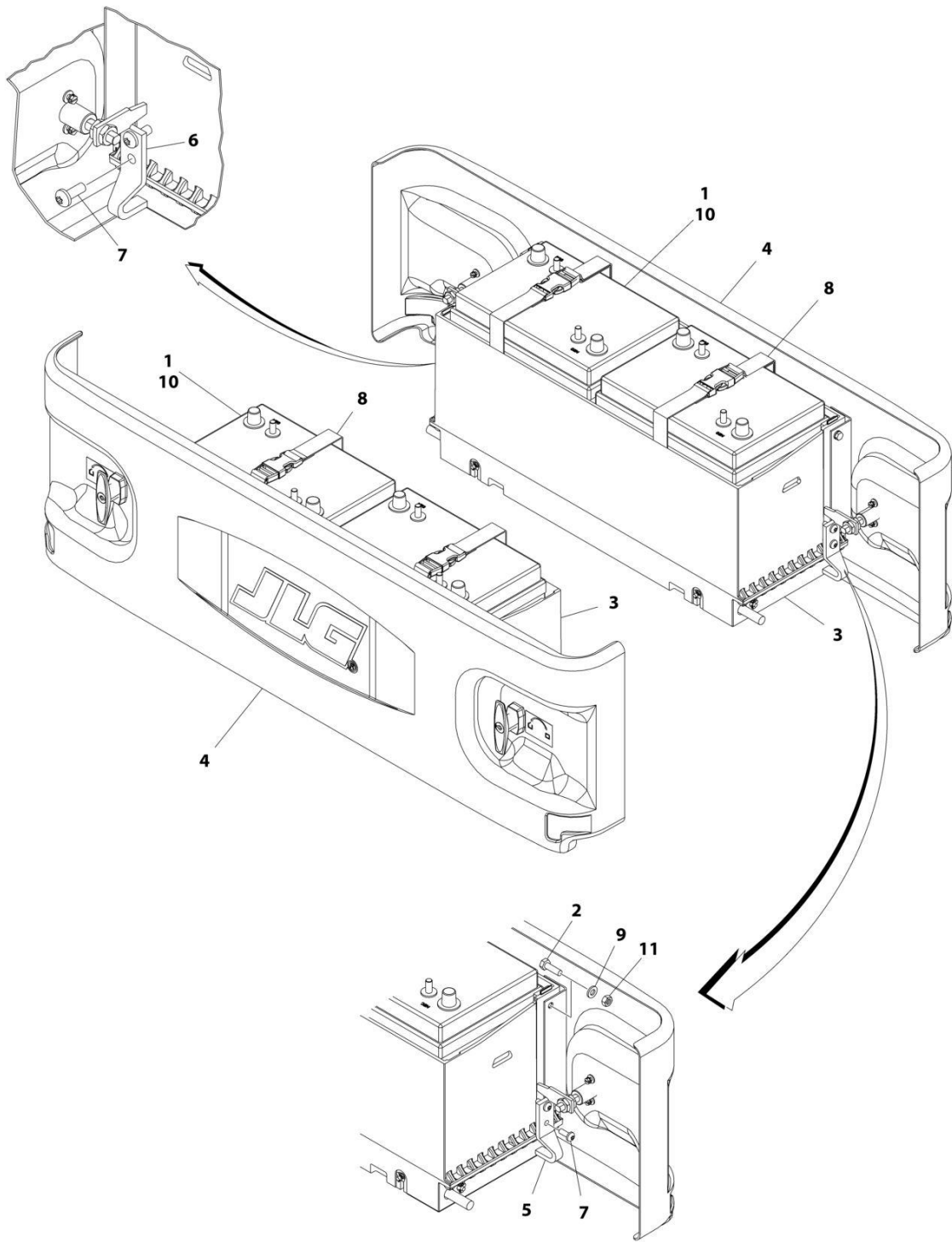
SECTION 2 - GROUND COMPONENTS

FIGURE 2-5. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-UL LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001132233	Ref	BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-UL LOCKING COVERS)	D
1	0100051	AR	Grease, Terminal	
2	1001112112	4	Battery Type EVGC6A-A	
3	0273698	2	Tray Assembly (See Separate Breakdown in this Section)	
4	1001100451	8	Bolt M6 x 20	
5	1671204	2	Cover Assembly (See Separate Breakdown in this Section)	
6	3574981	2	Plate, Slide Stop (LH)	
7	3574984	2	Plate, Slide Stop (RH)	
8	4191707	8	Screw M6 x 16	
9	4811700	8	Washer M6	
10	3290605	8	Nut M6	

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FIGURE 2-6. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (UL LOCKING COVERS)



ART_1001159192-D

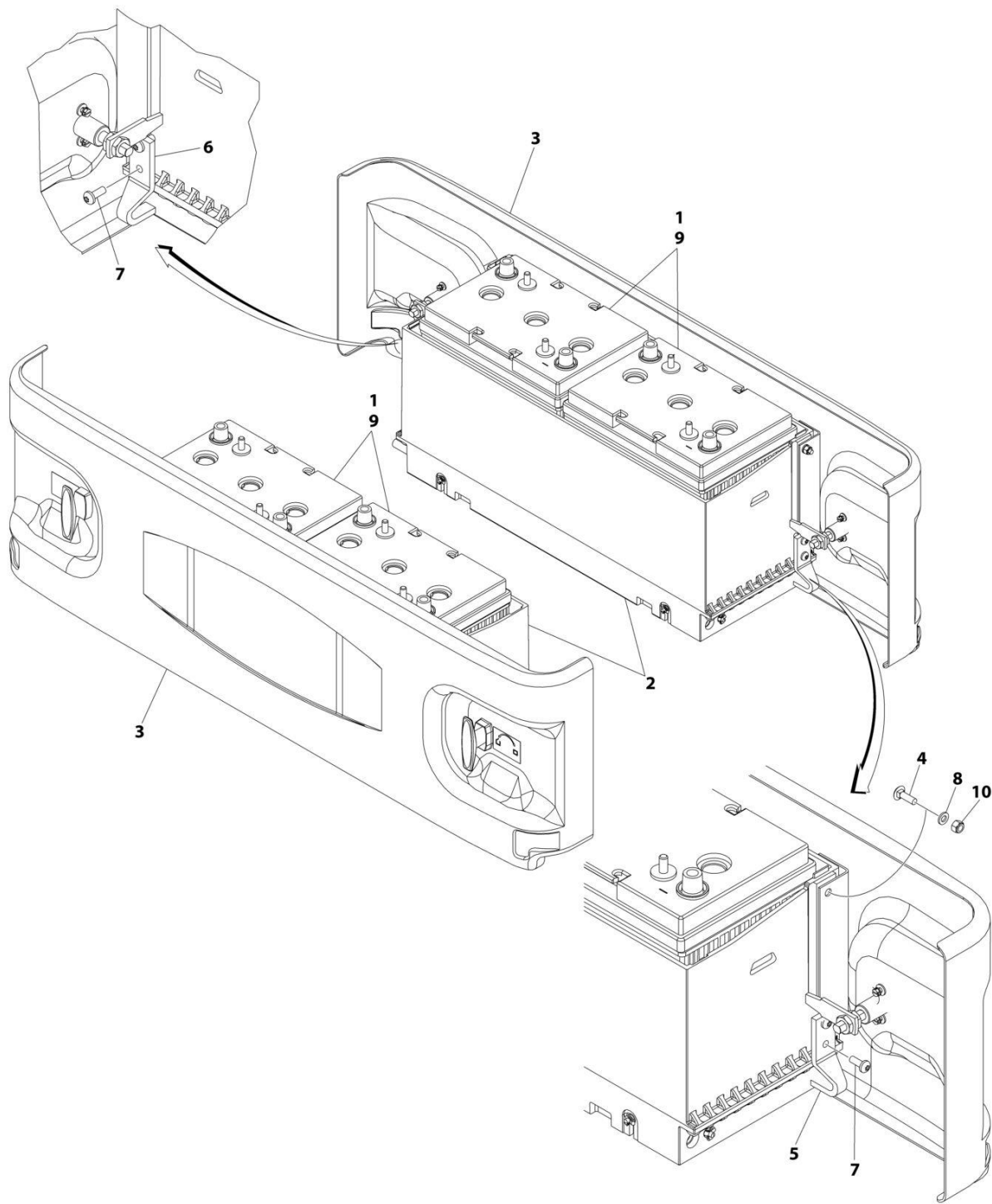
SECTION 2 - GROUND COMPONENTS

FIGURE 2-6. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (UL LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159192	Ref	BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (UL LOCKING COVERS)	D
1	0100051	AR	Grease, Terminal	
2	1001100451	8	Bolt M6 x 20	
3	0861678	2	Tray Assembly (See Separate Breakdown in this Section)	
4	1671204	2	Cover Assembly (See Separate Breakdown in this Section)	
5	3574981	2	Plate, Slide Stop (LH)	
6	3574984	2	Plate, Slide Stop (RH)	
7	4191707	8	Screw M6 x 16	
8	4240172	4	Strap, Battery	
9	4811700	8	Washer M6	
10	1001112112	4	Battery Type EVGC6A-A	
11	3290605	8	Nut M6	

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FIGURE 2-7. BATTERIES INSTALLATION - AGM VISION AND EVG TYPE - 220 AH RATING (NON-LOCKING COVERS)



ART_1001248130

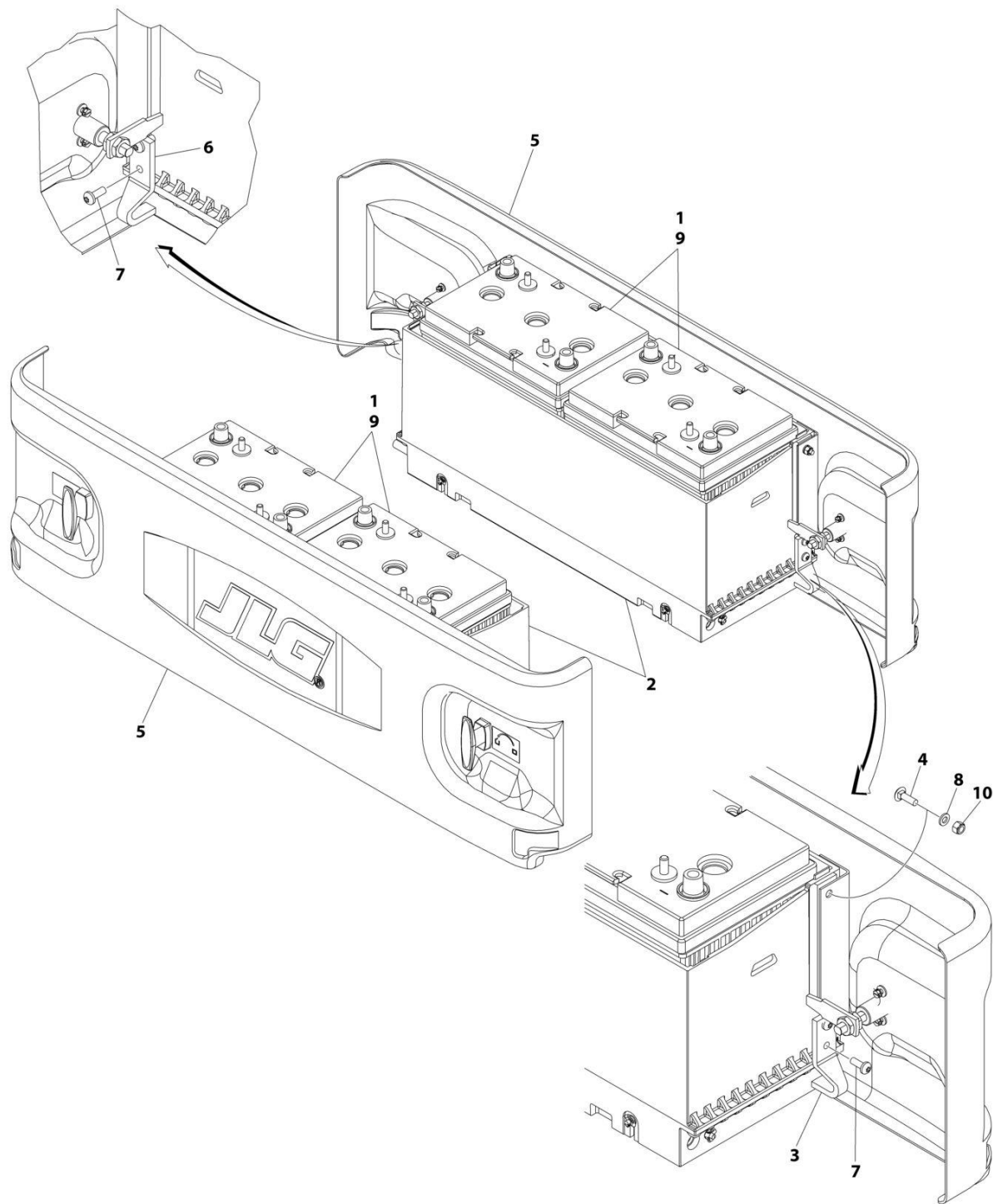
SECTION 2 - GROUND COMPONENTS

FIGURE 2-7. BATTERIES INSTALLATION - AGM VISION AND EVG TYPE - 220 AH RATING (NON-LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248130	Ref	BATTERIES INSTALLATION - AGM VISION AND EVG TYPE - 220 AH RATING (UL LOCKING COVERS)	A
1	0100051	AR	Grease, Terminal	
2	0273698	2	Tray Assembly (See Separate Breakdown in this Section)	
3	1671202	2	Cover Assembly (See Separate Breakdown in this Section)	
4	1001100451	8	Bolt M6 x 20	
5	3574981	2	Plate, Slide Stop (LH)	
6	3574984	2	Plate, Slide Stop (RH)	
7	4191707	8	Screw M6 x 16	
8	4811700	8	Washer M6	
9	1001214347	4	Battery Type EVGC-220A-AM	
10	3290605	8	Nut M6	

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FIGURE 2-8. BATTERIES INSTALLATION - AGM VISION AND EVG TYPE - 220 AH RATING (NON-UL LOCKING COVERS)



ART_1001248131

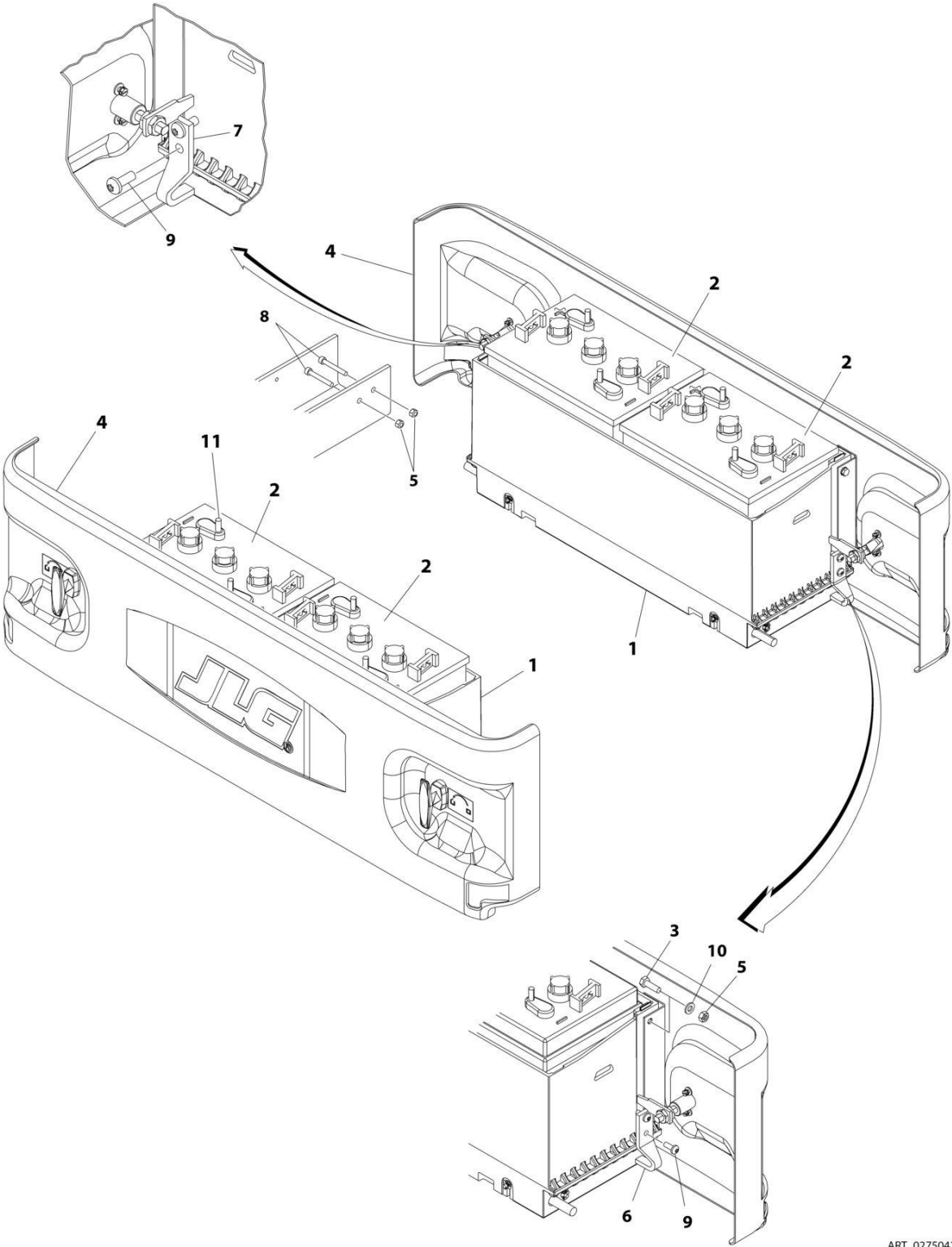
SECTION 2 - GROUND COMPONENTS

FIGURE 2-8. BATTERIES INSTALLATION - AGM VISION AND EVG TYPE - 220 AH RATING (NON-UL LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248131	Ref	BATTERIES INSTALLATION - AGM VISION AND EVG TYPE - 220 AH RATING (NON-UL LOCKING COVERS)	A
1	0100051	AR	Grease, Terminal	
2	0273698	2	Tray Assembly (See Separate Breakdown in this Section)	
3	3574981	2	Plate, Slide Stop (LH)	
4	1001100451	8	Bolt M6 x 20	
5	1671204	2	Cover Assembly (See Separate Breakdown in this Section)	
6	3574984	2	Plate, Slide Stop (RH)	
7	4191707	8	Screw M6 x 16	
8	4811700	8	Washer M6	
9	1001214347	4	Battery Type EVGC-220A-AM	
10	3290605	8	Nut M6	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-9. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-LOCKING COVERS)



ART_0275042-F

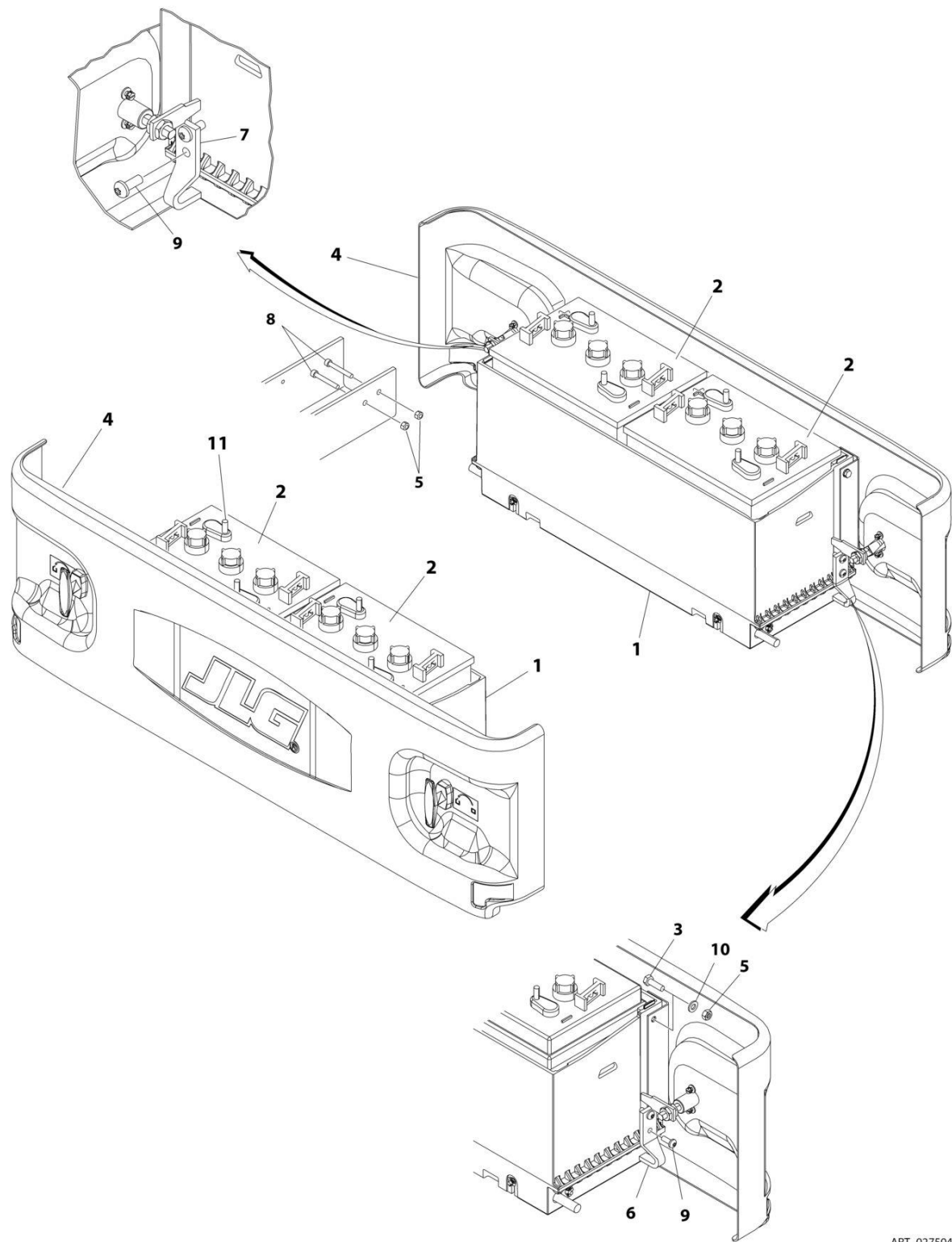
SECTION 2 - GROUND COMPONENTS

FIGURE 2-9. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275042	Ref	BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-LOCKING COVERS)	F
1	0273698	2	Tray Assembly (See Separate Breakdown in this Section)	
2	0400216	4	Battery Type EV-145-WNL	
3	1001100451	8	Bolt M6 x 20	
4	1671202	2	Cover Assembly (See Separate Breakdown in this Section)	
5	3290605	10	Nut M6	
6	3574981	2	Plate, Slide Stop (LH)	
7	3574984	2	Plate, Slide Stop (RH)	
8	4031713	2	Capscrew M6 x 45	
9	4191707	8	Screw M6 x 16	
10	4811700	8	Washer M6	
11	0100051	AR	Grease, Terminal	

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FIGURE 2-10. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-UL LOCKING COVERS)



ART_0275044-F

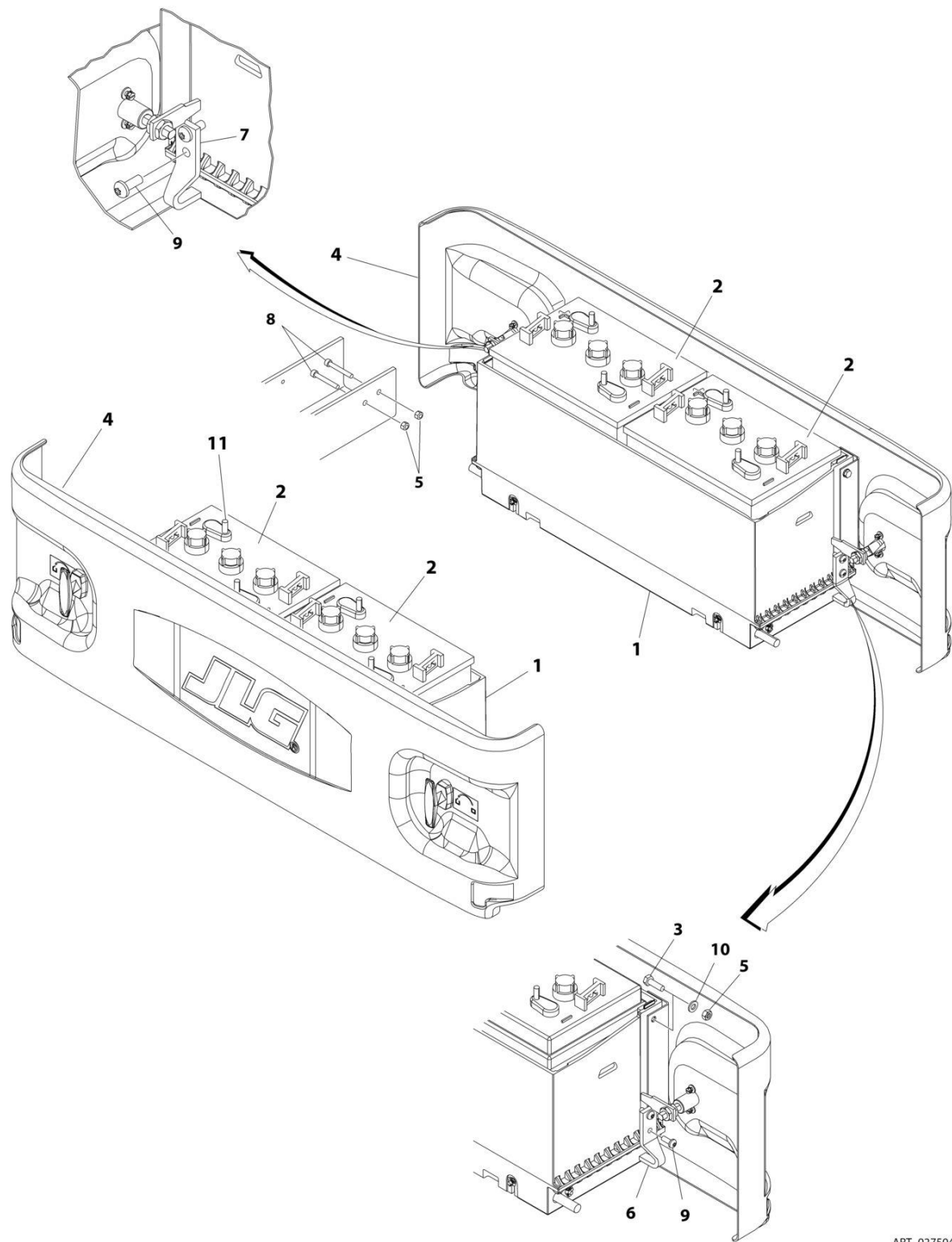
SECTION 2 - GROUND COMPONENTS

FIGURE 2-10. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-UL LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275044	Ref	BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-UL LOCKING COVERS)	F
1	0273698	2	Tray Assembly (See Separate Breakdown in this Section)	
2	0400216	4	Battery Type EV-145-WNL	
3	1001100451	8	Bolt M6 x 20	
4	1671204	2	Cover Assembly (See Separate Breakdown in this Section)	
5	3290605	10	Nut M6	
6	3574981	2	Plate, Slide Stop (LH)	
7	3574984	2	Plate, Slide Stop (RH)	
8	4031713	2	Capscrew M6 x 45	
9	4191707	8	Screw M6 x 16	
10	4811700	8	Washer M6	
11	0100051	AR	Grease, Terminal	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-11. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (UL LOCKING COVERS)



ART_0275043-F

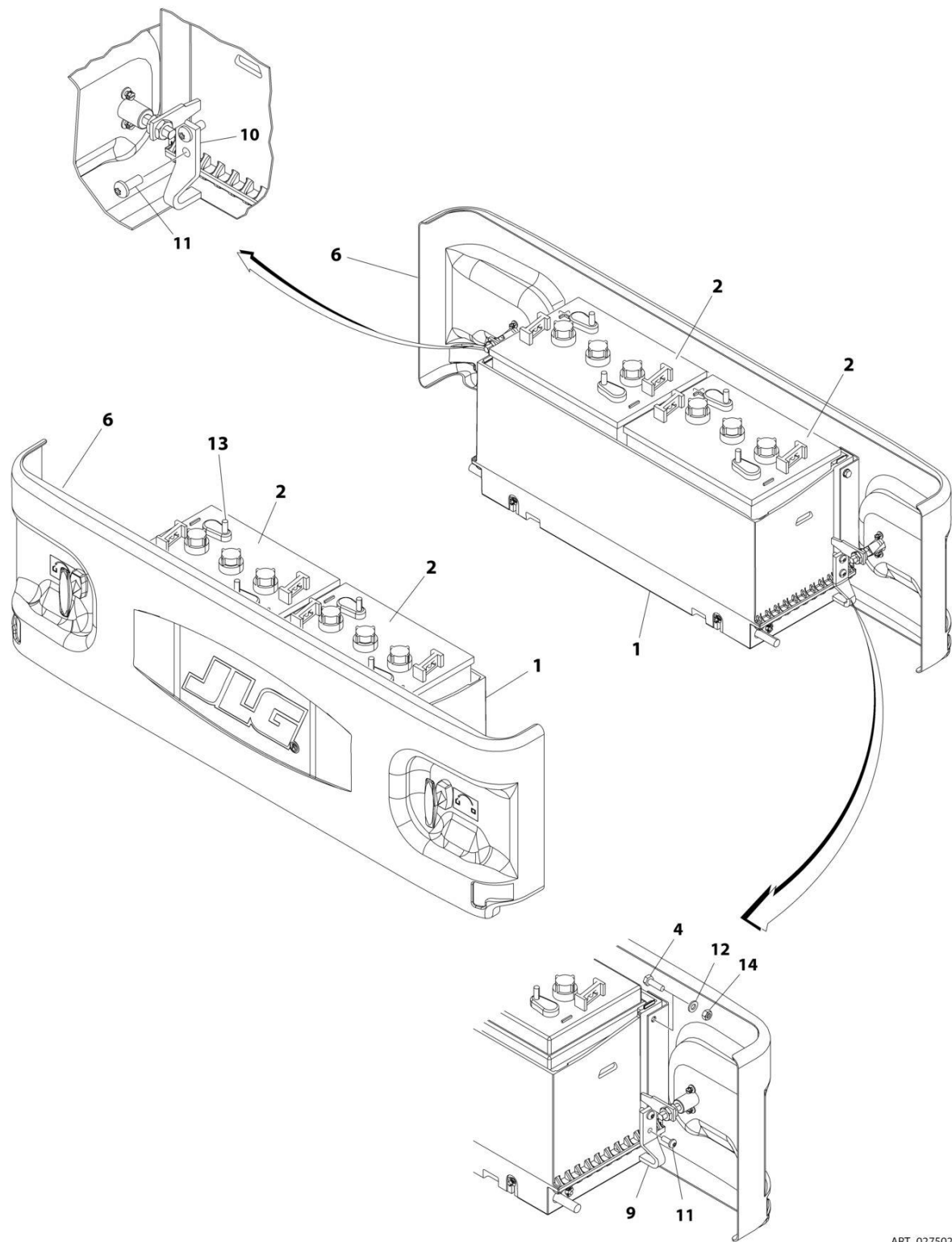
SECTION 2 - GROUND COMPONENTS

FIGURE 2-11. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (UL LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275043	Ref	BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (UL LOCKING COVERS)	F
1	0861678	2	Tray Assembly (See Separate Breakdown in this Section))	
2	0400216	4	Battery Type EV-145-WNL	
3	0760610	8	Bolt M6 x 20	
3	1001100451	8	Bolt M6 x 20	
4	1671204	2	Cover Assembly (See Separate Breakdown in this Section)	
5	3290605	10	Nut M6	
6	3574981	2	Plate, Slide Stop (LH)	
7	3574984	2	Plate, Slide Stop (RH)	
8	4031713	2	Capscrew M6 x 45	
9	4191707	8	Screw M6 x 16	
10	4811700	8	Washer M6	
11	0100051	AR	Grease, Terminal	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-12. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON LOCKING COVERS)



ART_0275020-G

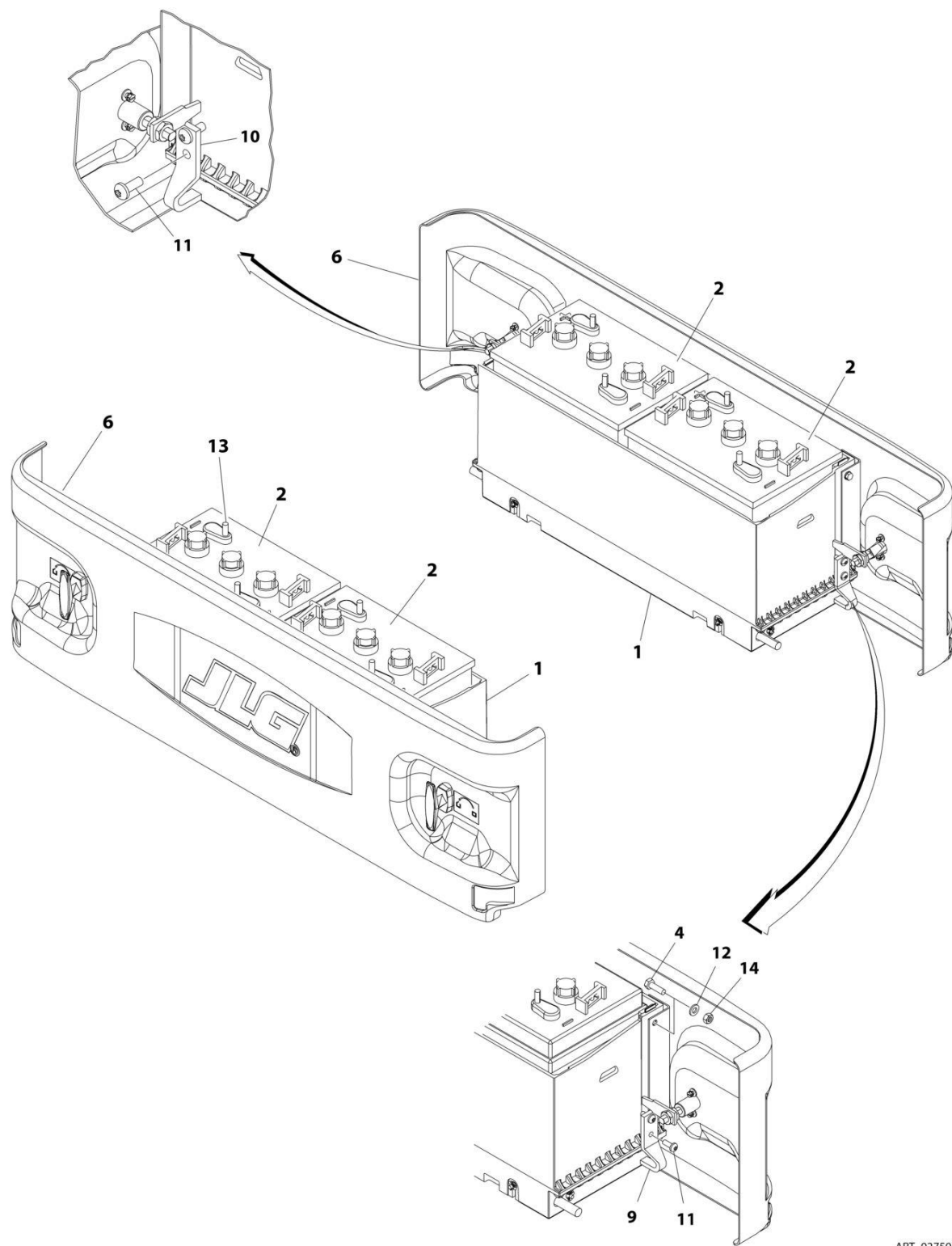
SECTION 2 - GROUND COMPONENTS

FIGURE 2-12. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275020	Ref	BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON LOCKING COVERS)	G
1	0273698	2	Tray Assembly (See Separate Breakdown in this Section)	
2	0400215	4	Battery Type GC-110-WNL	
4	1001100451	8	Bolt M6 x 20	
6	1671202	2	Cover Assembly (See Separate Breakdown in this Section)	
9	3574981	2	Plate, Slide Stop (LH)	
10	3574984	2	Plate, Slide Stop (RH)	
11	4191707	8	Screw M6 x 16	
12	4811700	8	Washer M6	
13	0100051	AR	Grease, Terminal	
14	3290605	8	Nut M6	

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FIGURE 2-13. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON-UL LOCKING COVERS)



ART_0275022-G

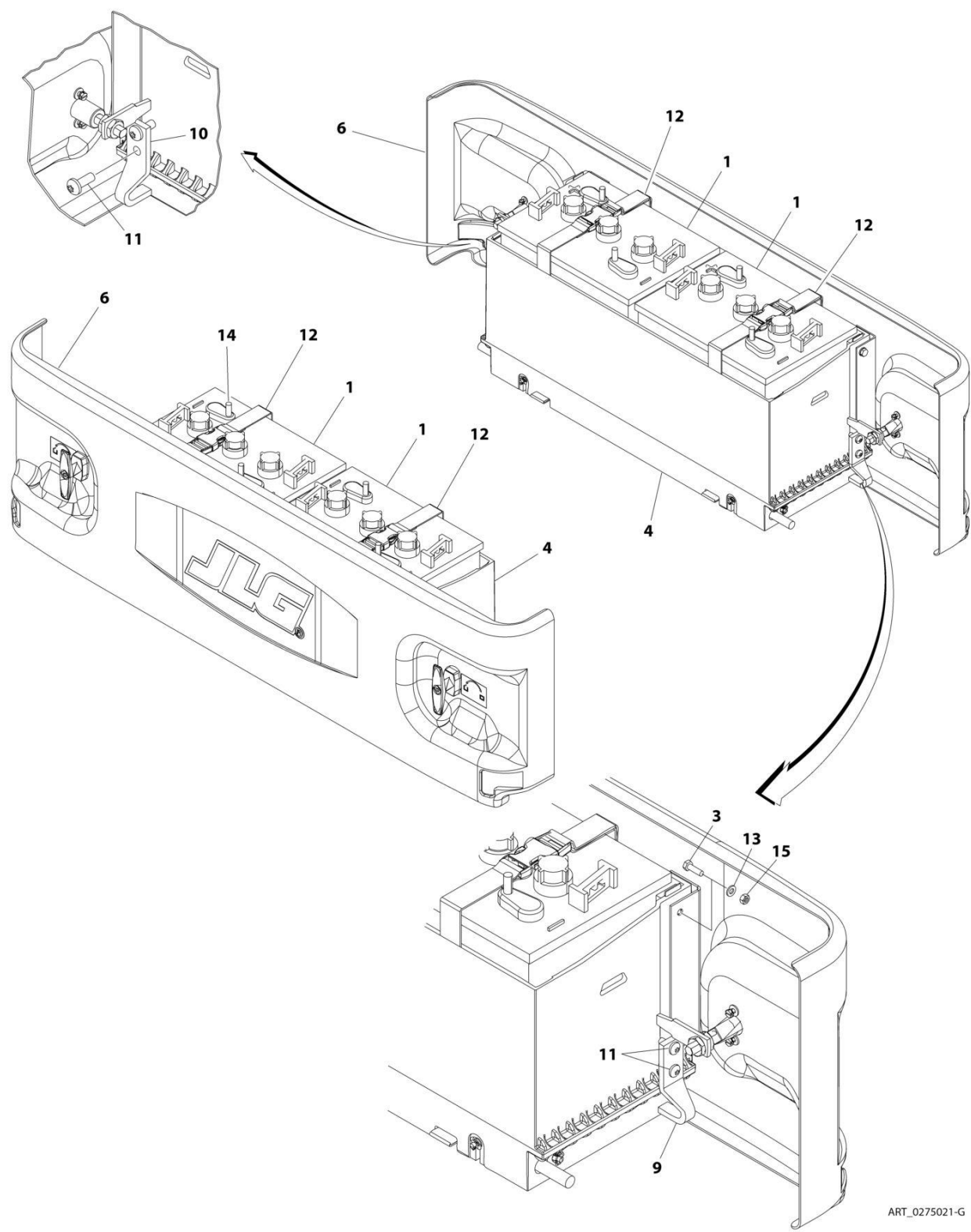
SECTION 2 - GROUND COMPONENTS

FIGURE 2-13. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON-UL LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275022	Ref	BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON-UL LOCKING COVERS)	G
1	0273698	2	Tray Assembly (See Separate Breakdown in this Section)	
2	0400215	4	Battery Type GC-110-WNL	
4	1001100451	8	Bolt M6 x 20	
6	1671204	2	Cover Assembly (See Separate Breakdown in this Section)	
9	3574981	2	Plate, Slide Stop (LH)	
10	3574984	2	Plate, Slide Stop (RH)	
11	4191707	8	Screw M6 x 16	
12	4811700	8	Washer M6	
13	0100051	AR	Grease, Terminal	
14	3290605	8	Nut M6	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-14. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (UL LOCKING COVERS)



ART_0275021-G

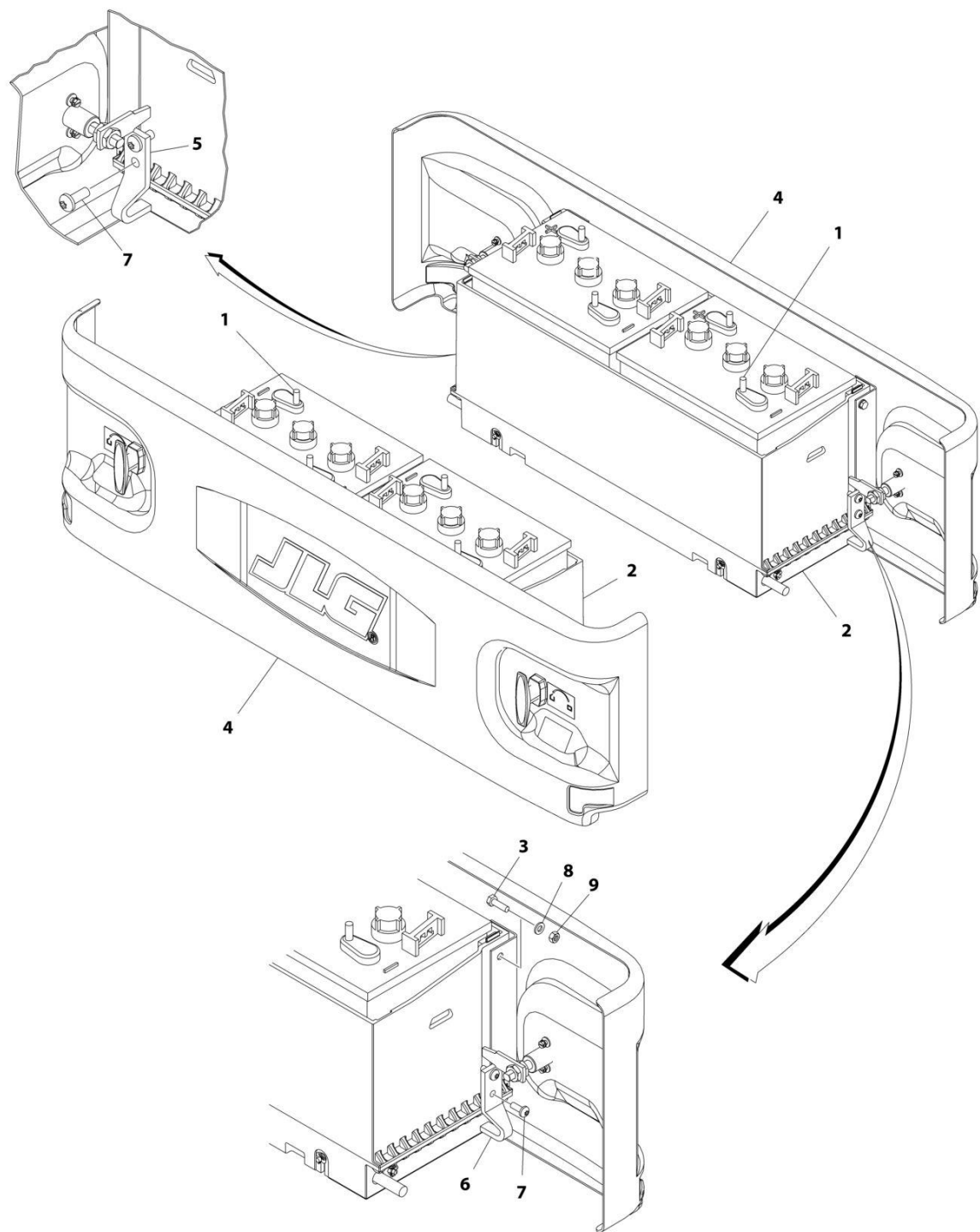
SECTION 2 - GROUND COMPONENTS

FIGURE 2-14. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (UL LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275021	Ref	BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (UL LOCKING COVERS)	G
1	0400215	4	Battery Type GC-110-WNL	
3	1001100451	8	Bolt M6 x 20	
4	0861678	2	Tray Assembly (See Separate Breakdown in this Section)	
6	1671204	2	Cover Assembly (See Separate Breakdown in this Section)	
9	3574981	2	Plate, Slide Stop (LH)	
10	3574984	2	Plate, Slide Stop (RH)	
11	4191707	8	Screw M6 x 16	
12	4240172	2	Strap	
13	4811700	8	Washer M6	
14	0100051	AR	Grease, Terminal	
15	3290605	8	Nut M6	

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FIGURE 2-15. BATTERIES INSTALLATION - 220 AH RATING WITHOUT BATTERIES (NON LOCKING COVERS)



ART_1001209104-C

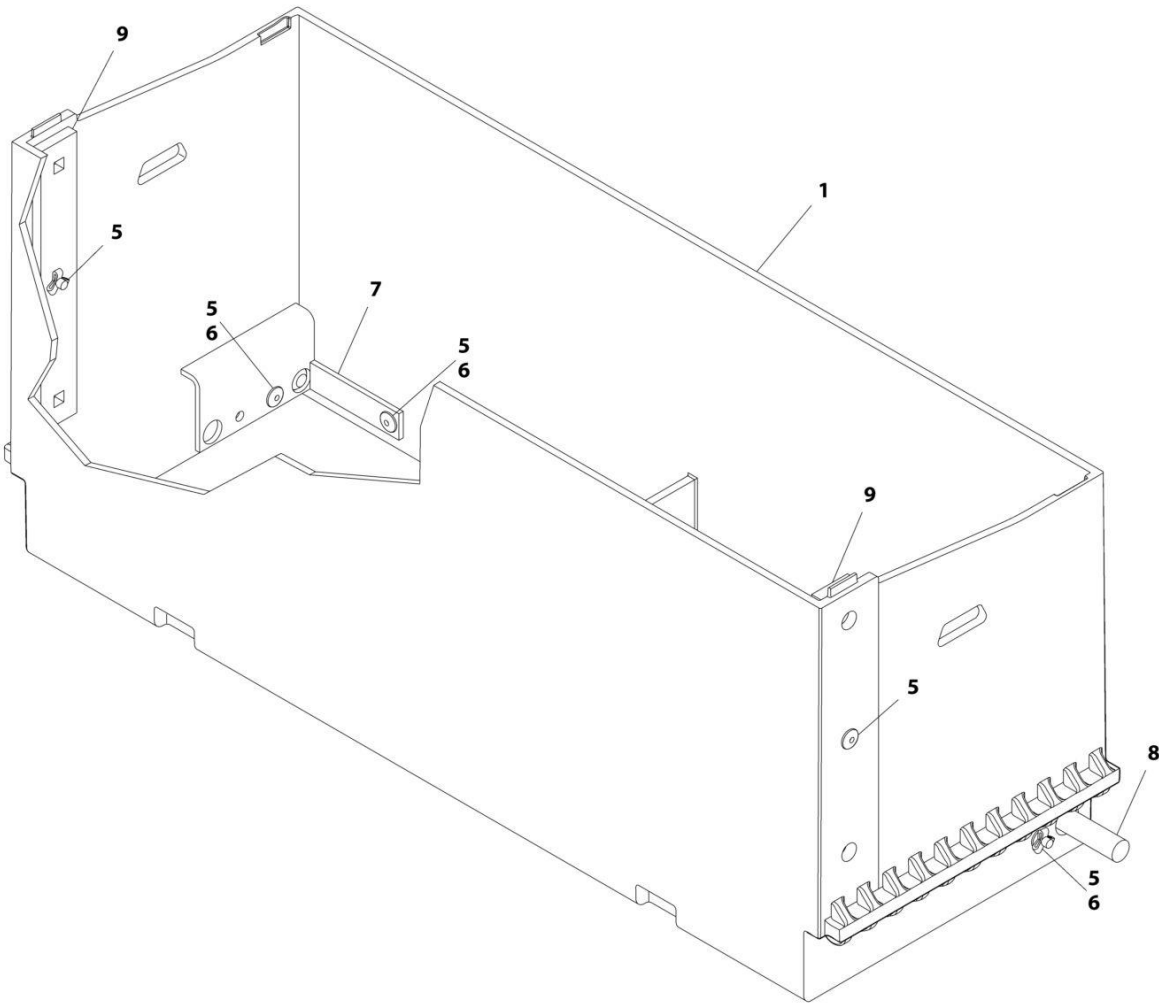
SECTION 2 - GROUND COMPONENTS

FIGURE 2-15. BATTERIES INSTALLATION - 220 AH RATING WITHOUT BATTERIES (NON LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209104	Ref	BATTERIES INSTALLATION - 220 AH RATING WITHOUT BATTERIES (NON LOCKING COVERS)	C
1	0100051	AR	Grease, Terminal	
2	0273698	2	Tray Assembly (See Separate Breakdown in this Section)	
3	1001100451	8	Bolt M6 x 20	
4	1671202	1	Cover Assembly (See Separate Breakdown in this Section)	
5	3574981	2	Plate, Slide Stop (LH)	
6	3574984	2	Plate, Slide Stop (RH)	
7	4191707	8	Screw M6 x 16	
8	4811700	8	Washer M6	
9	3290605	8	Nut M6	

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FIGURE 2-16. BATTERY TRAY ASSEMBLY - NON-UL



ART_0273698

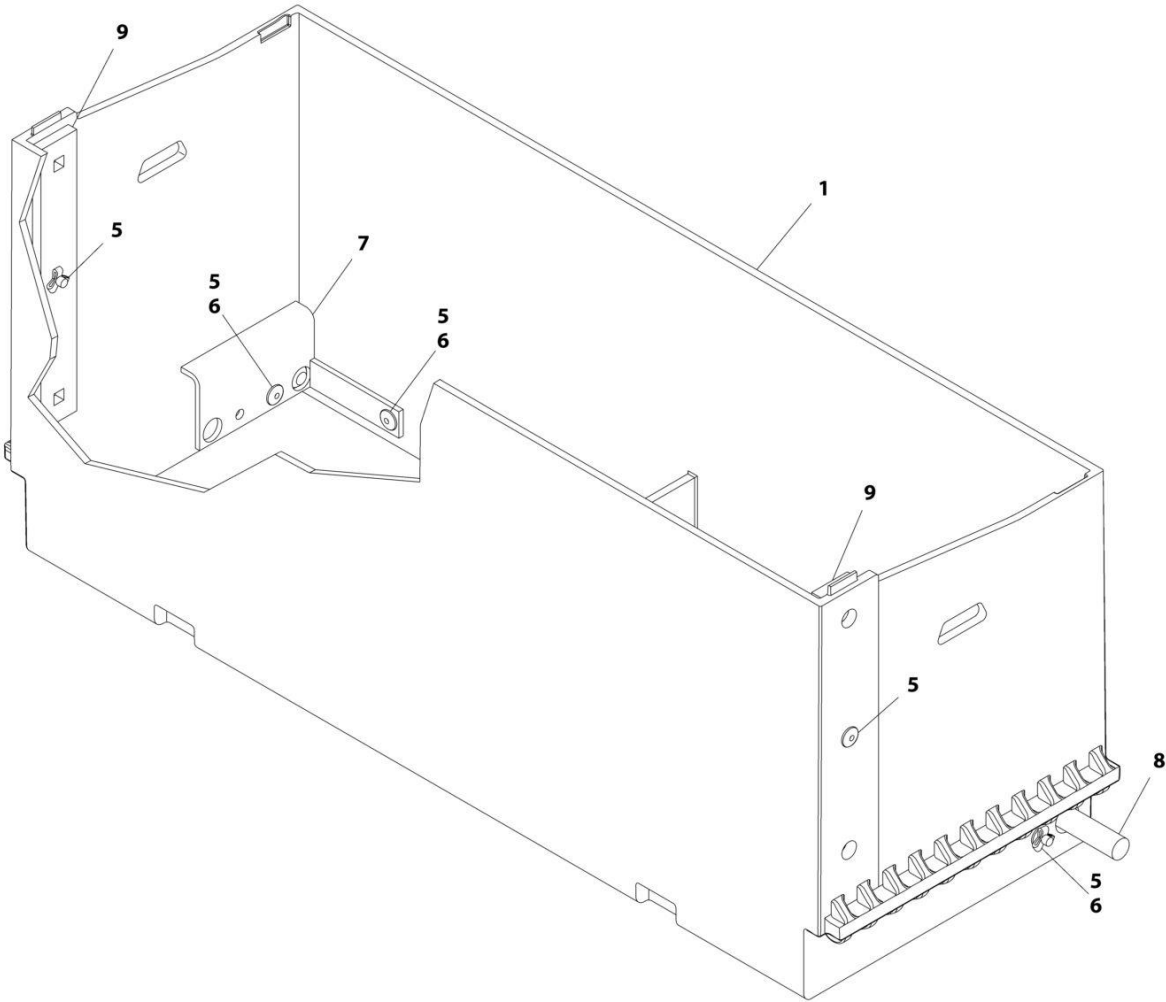
SECTION 2 - GROUND COMPONENTS

FIGURE 2-16. BATTERY TRAY ASSEMBLY - NON-UL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273698	Ref	BATTERY TRAY ASSEMBLY - NON-UL	K
1	0861650	1	Tray, Battery	
5	3820032	6	Rivet	
6	4811600	4	Washer M5	
7	4220252	1	Stop (LH)	
8	4220253	1	Stop (RH)	
9	1001233888	2	Bar	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-17. BATTERY TRAY ASSEMBLY - UL



ART_0861678

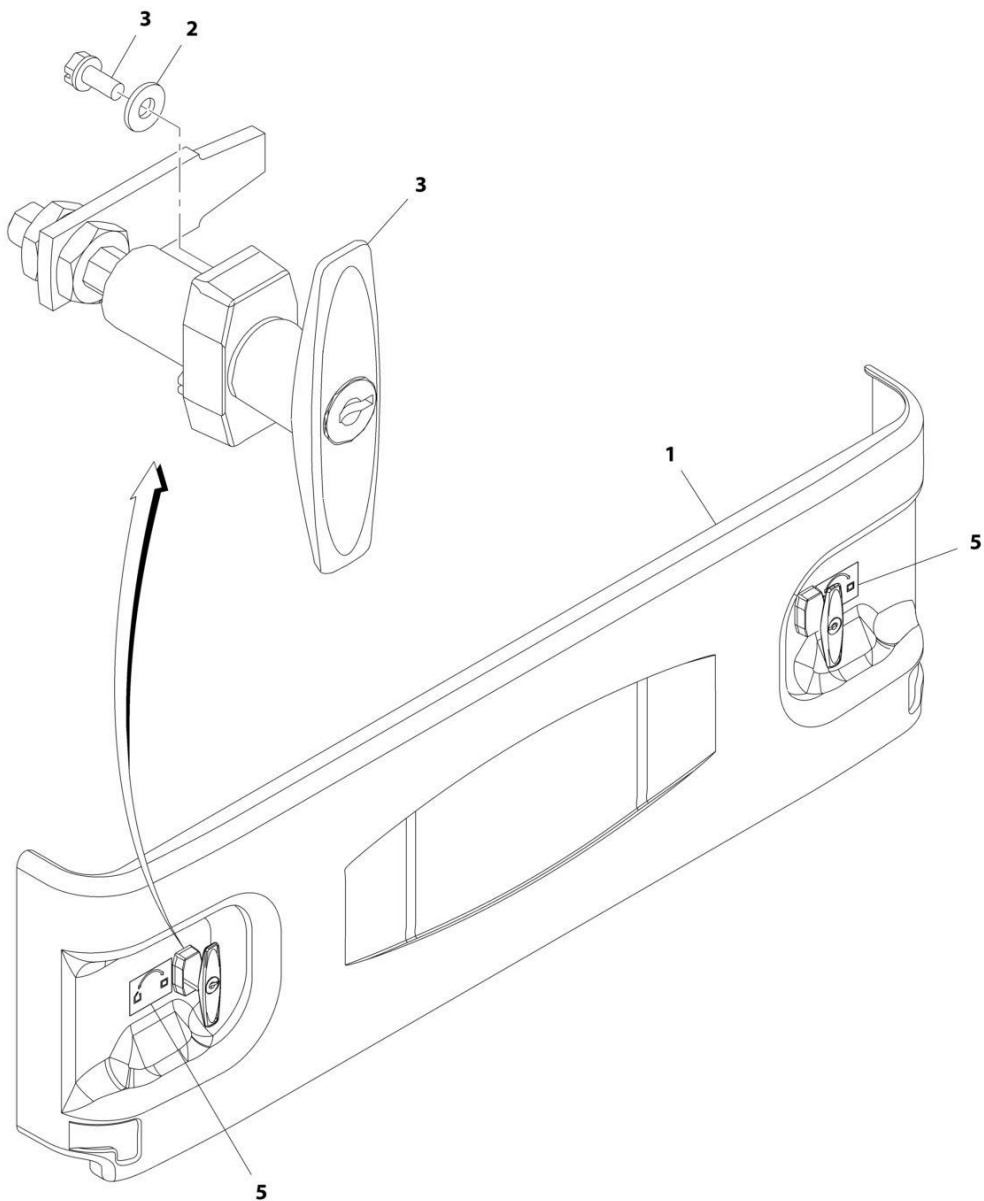
SECTION 2 - GROUND COMPONENTS

FIGURE 2-17. BATTERY TRAY ASSEMBLY - UL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0861678	Ref	BATTERY TRAY ASSEMBLY - UL	I
1	0861677	1	Tray, Battery	
5	3820032	6	Rivet	
6	4811600	4	Washer M5	
7	4220252	1	Stop (LH)	
8	4220253	1	Stop (RH)	
9	1001233888	2	Bar	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-18. BATTERY COVER ASSEMBLY - NON-LOCKING



ART_1671202-I

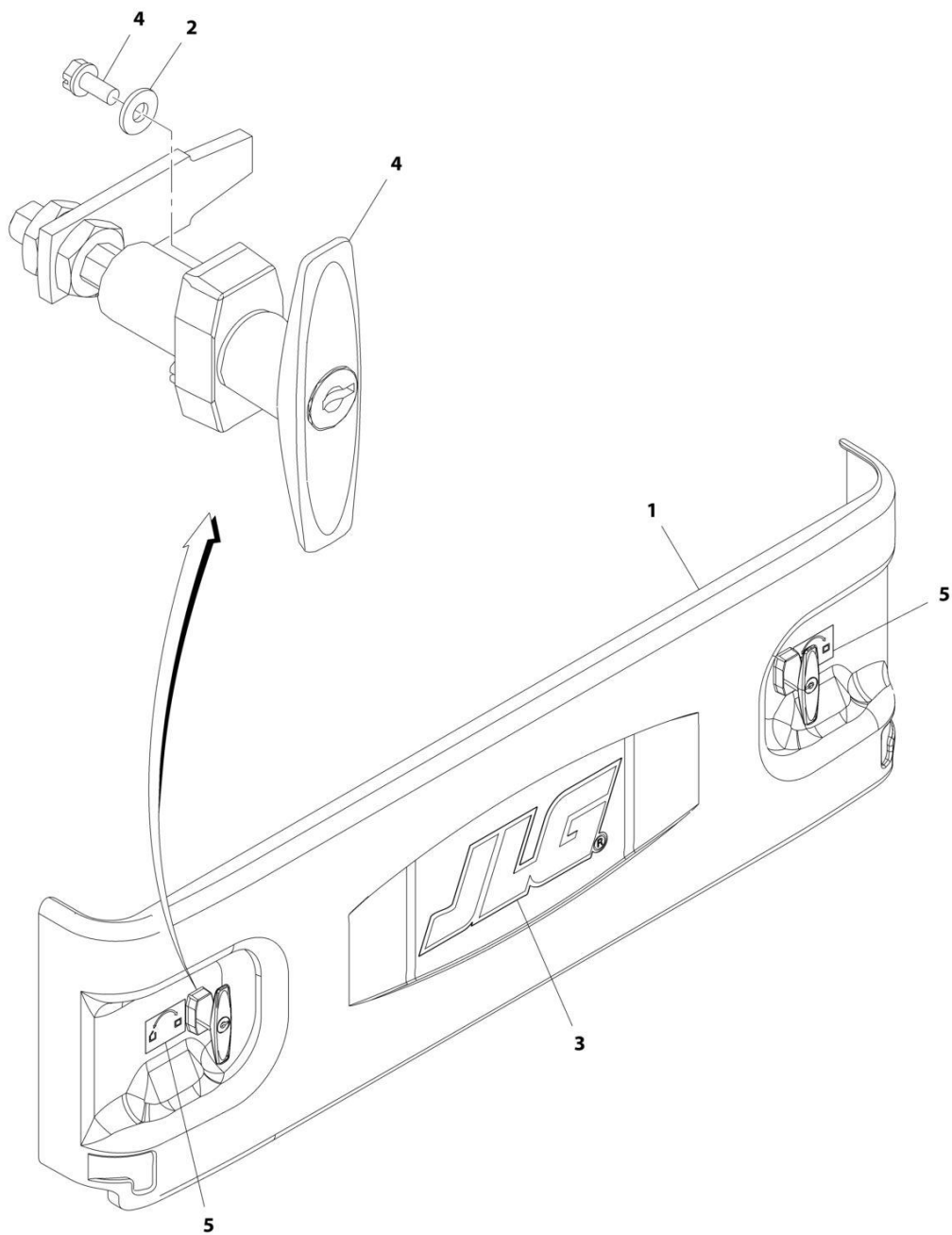
SECTION 2 - GROUND COMPONENTS

FIGURE 2-18. BATTERY COVER ASSEMBLY - NON-LOCKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1671202	Ref	BATTERY COVER ASSEMBLY - NON-LOCKING	I
1	1671203	1	Cover, Battery Less Decals and Latches	
2	4750800	4	Washer #8	
3	2940174	2	Latch, T-Handle	
5	1706350	2	Decal - Cover	

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FIGURE 2-19. BATTERY COVER ASSEMBLY - LOCKING



ART_1671204

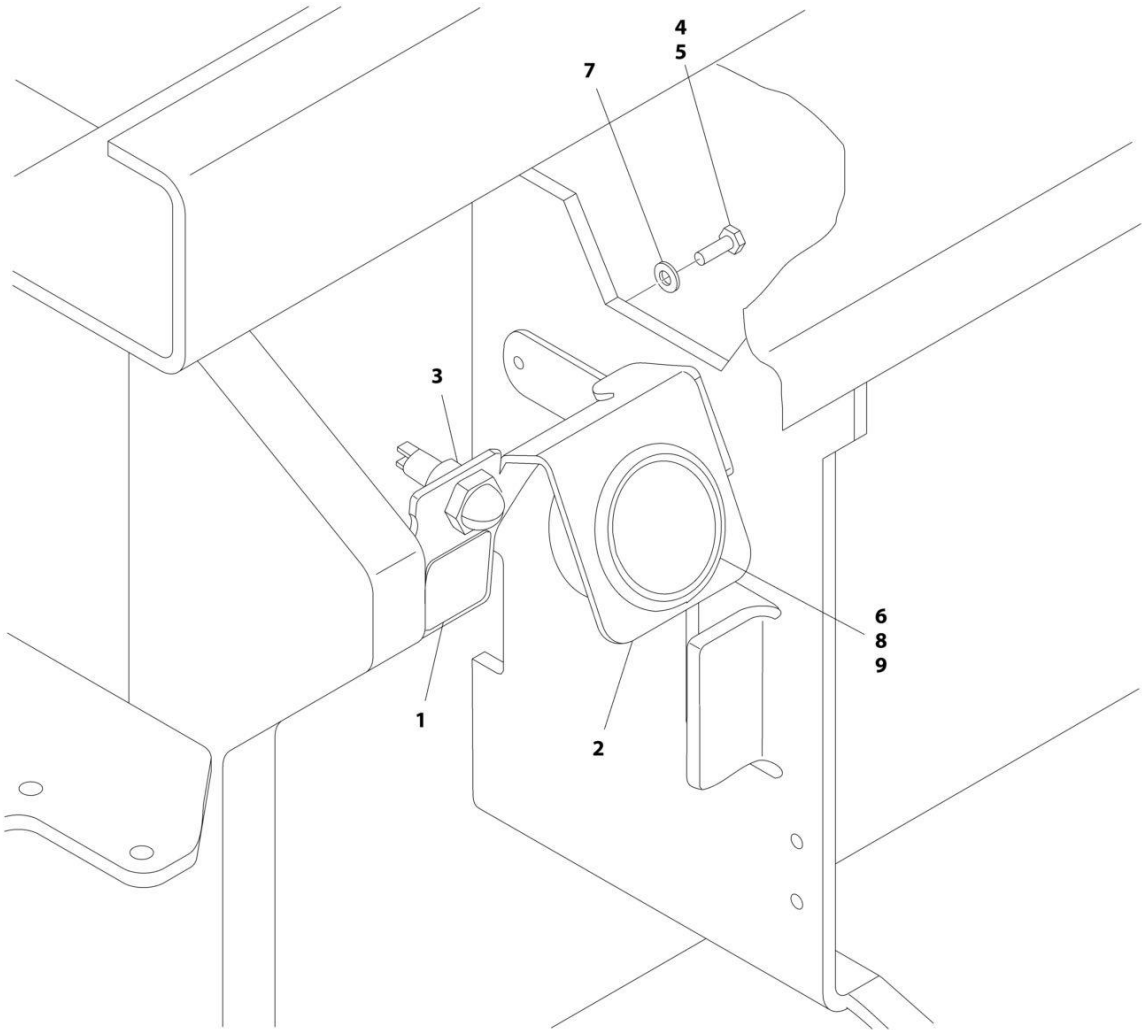
SECTION 2 - GROUND COMPONENTS

FIGURE 2-19. BATTERY COVER ASSEMBLY - LOCKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1671204	Ref	BATTERY COVER ASSEMBLY - LOCKING	I
1	1671203	1	Cover, Battery Less Decals and Latches	
2	4750800	4	Washer #8	
3	1705754	1	Decal - JLG	
4	2940175	2	Latch, T-Handle (Locking)	
4	7027863	2	Key	
5	1706350	2	Decal - Cover	

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**FIGURE 2-20. BRAKE DISCONNECT AND MDI (MULTIFUNCTION DIGITAL INDICATOR) GAUGE
INSTALLATION**



ART_0275530

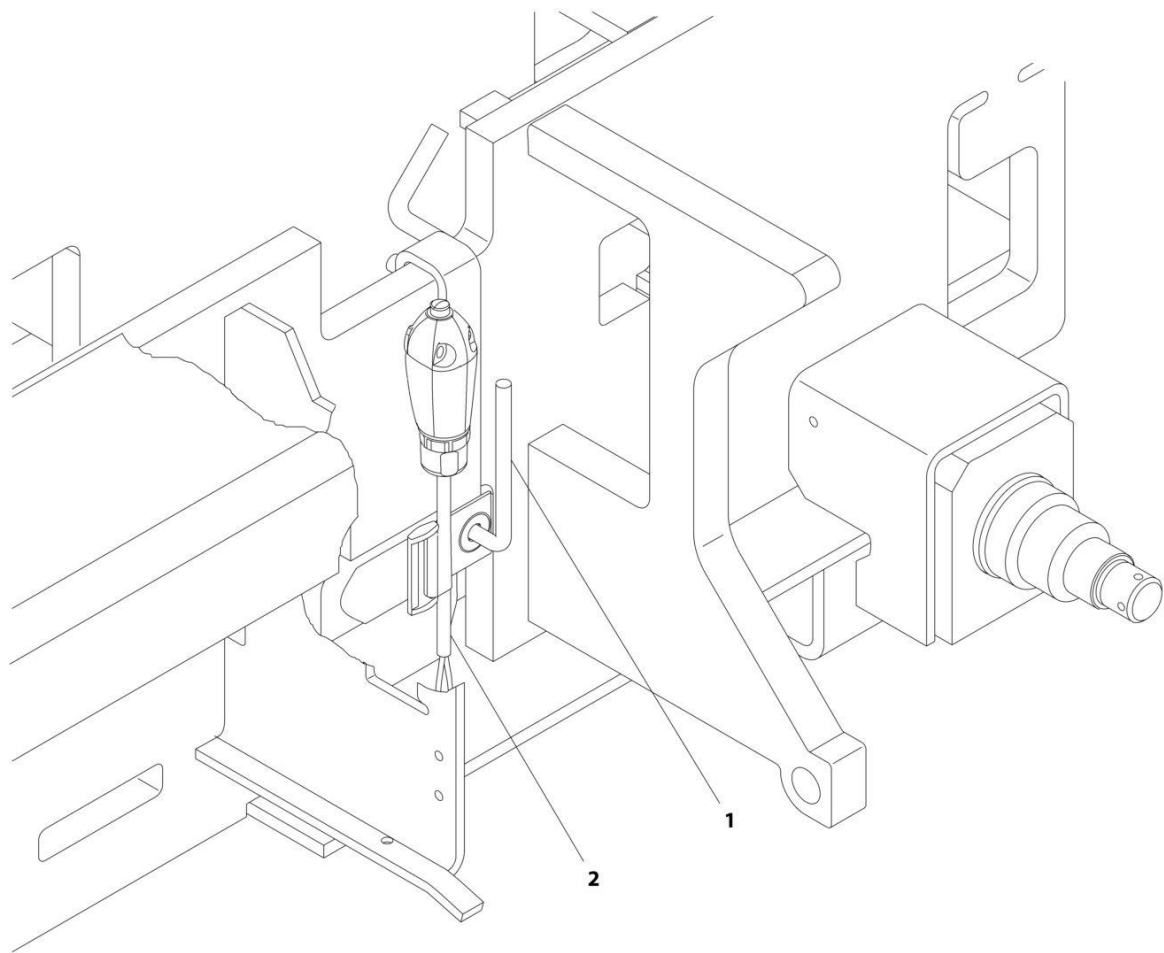
SECTION 2 - GROUND COMPONENTS

FIGURE 2-20. BRAKE DISCONNECT AND MDI (MULTIFUNCTION DIGITAL INDICATOR) GAUGE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275530	Ref	BRAKE DISCONNECT AND MDI (MULTIFUNCTION DIGITAL INDICATOR) GAUGE INSTALLATION	D
1	1706679	1	Decal - Brake Release	
2	1001094203	1	Bracket	
3	4360387	1	Switch, Push Button	
4	4031607	2	Capscrew M5 x 16	
5	0100011	AR	Compound, Locking	
6	0100048	AR	Grease, Dielectric	
7	4811600	2	Washer M5	
8	1001092454	1	Gauge, MDI (Multifunction Digital Indicator)	
9	1001093556	1	MDI Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	

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FIGURE 2-21. BRAKE CABLE INSTALLATION (OPTIONAL)



ART_0275432

SECTION 2 - GROUND COMPONENTS

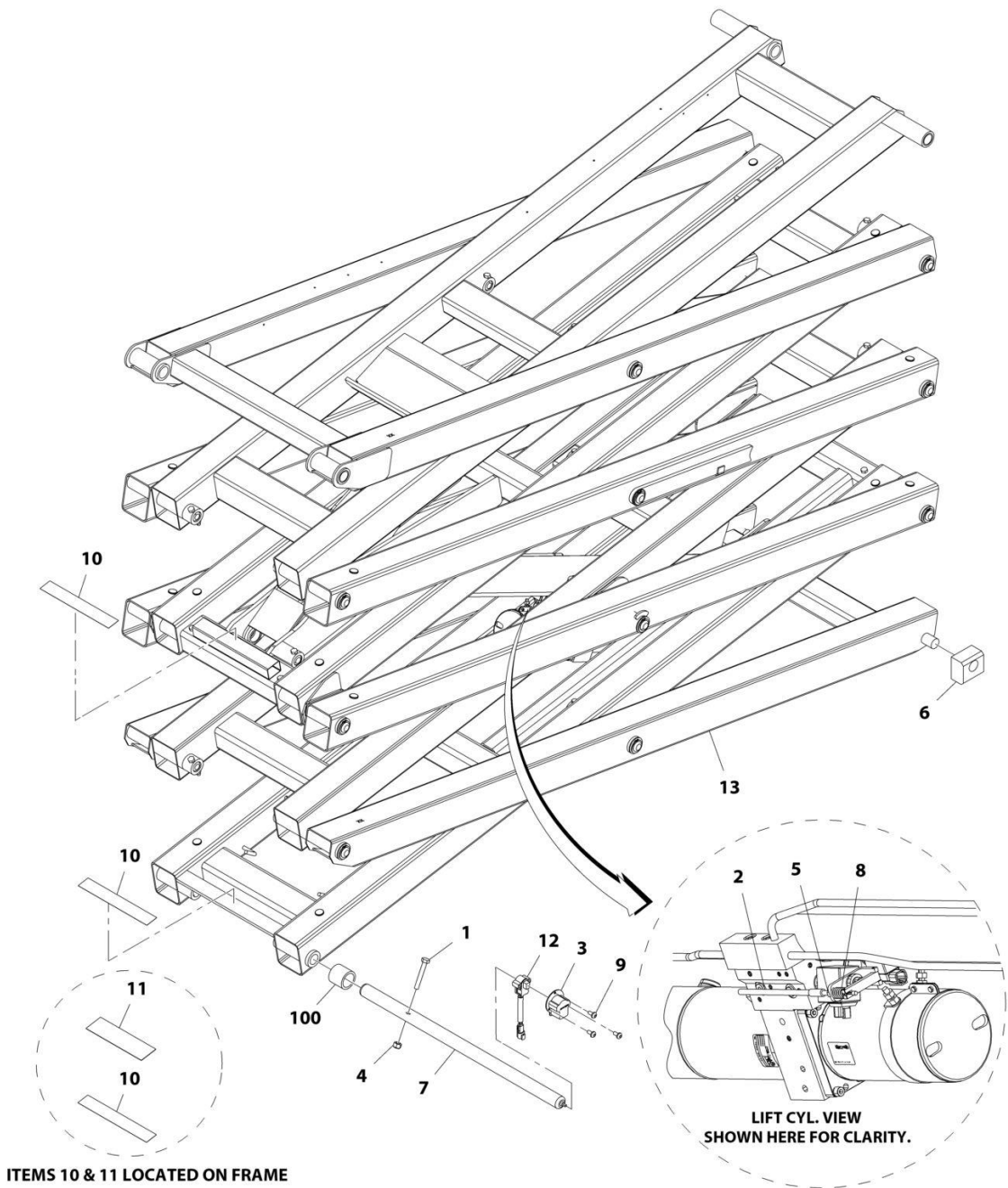
FIGURE 2-21. BRAKE CABLE INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275432	Ref	BRAKE CABLE INSTALLATION (OPTIONAL)	B
1	2902331	1	Brake Release Mount Kit (Includes Mounting Bracket and Setscrew)	
1	3951608	1	Setscrew 3/8 x 1	
2	4922944	1	Brake Disconnect Harness (See Separate Breakdown in ELECTRICAL SECTION)	

SECTION 3 - SCISSOR ARMS

SECTION 3 - SCISSOR ARMS

FIGURE 3-1. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES)



ART_1001191063

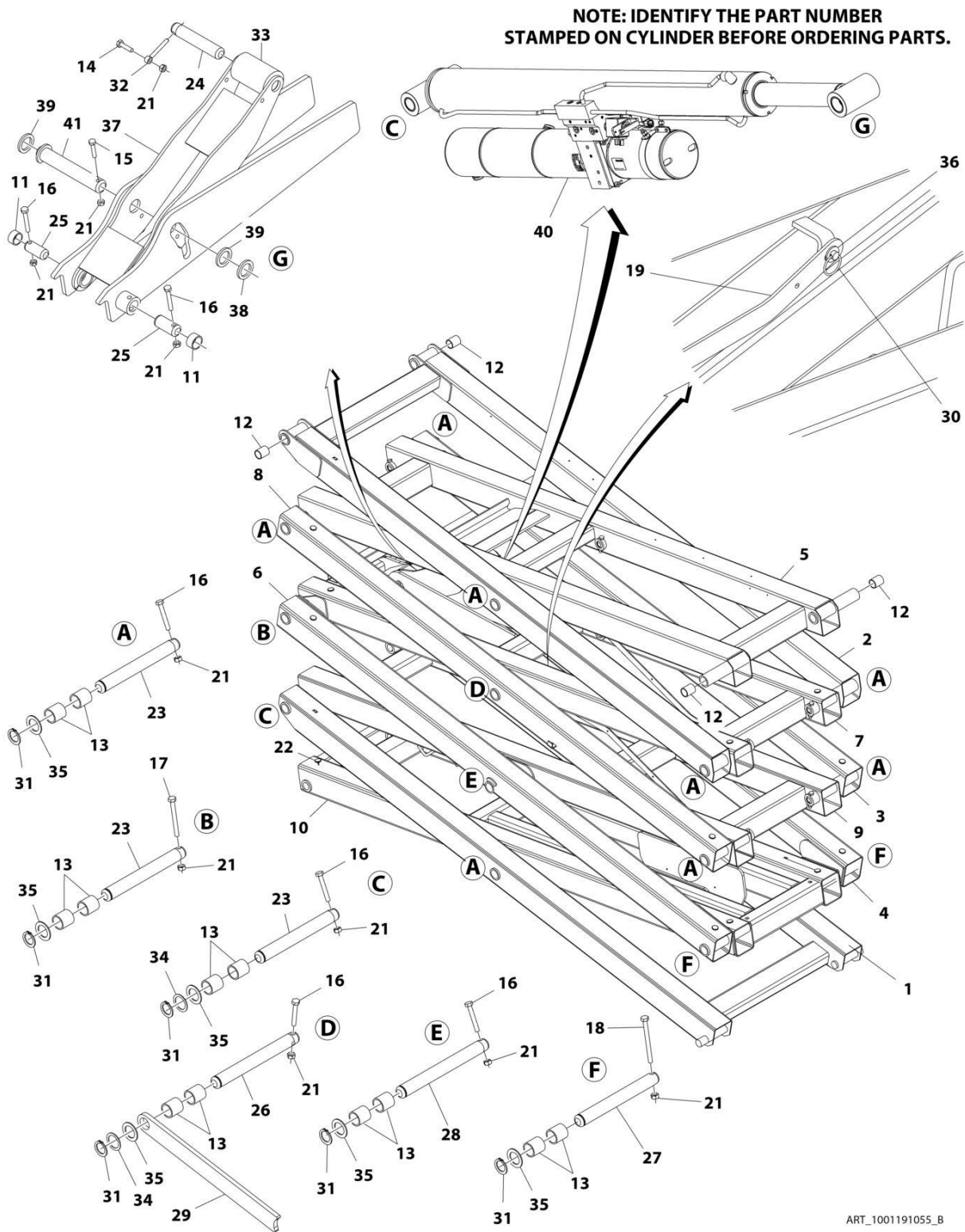
SECTION 3 - SCISSOR ARMS

FIGURE 3-1. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191063	Ref	SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Tread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191055	1	Arms Assembly (See Separate Breakdown in this Section)	
100	0440265	2	Bushing (Part of Frame Weldment)	

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FIGURE 3-2. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES)



ART_1001191055_B

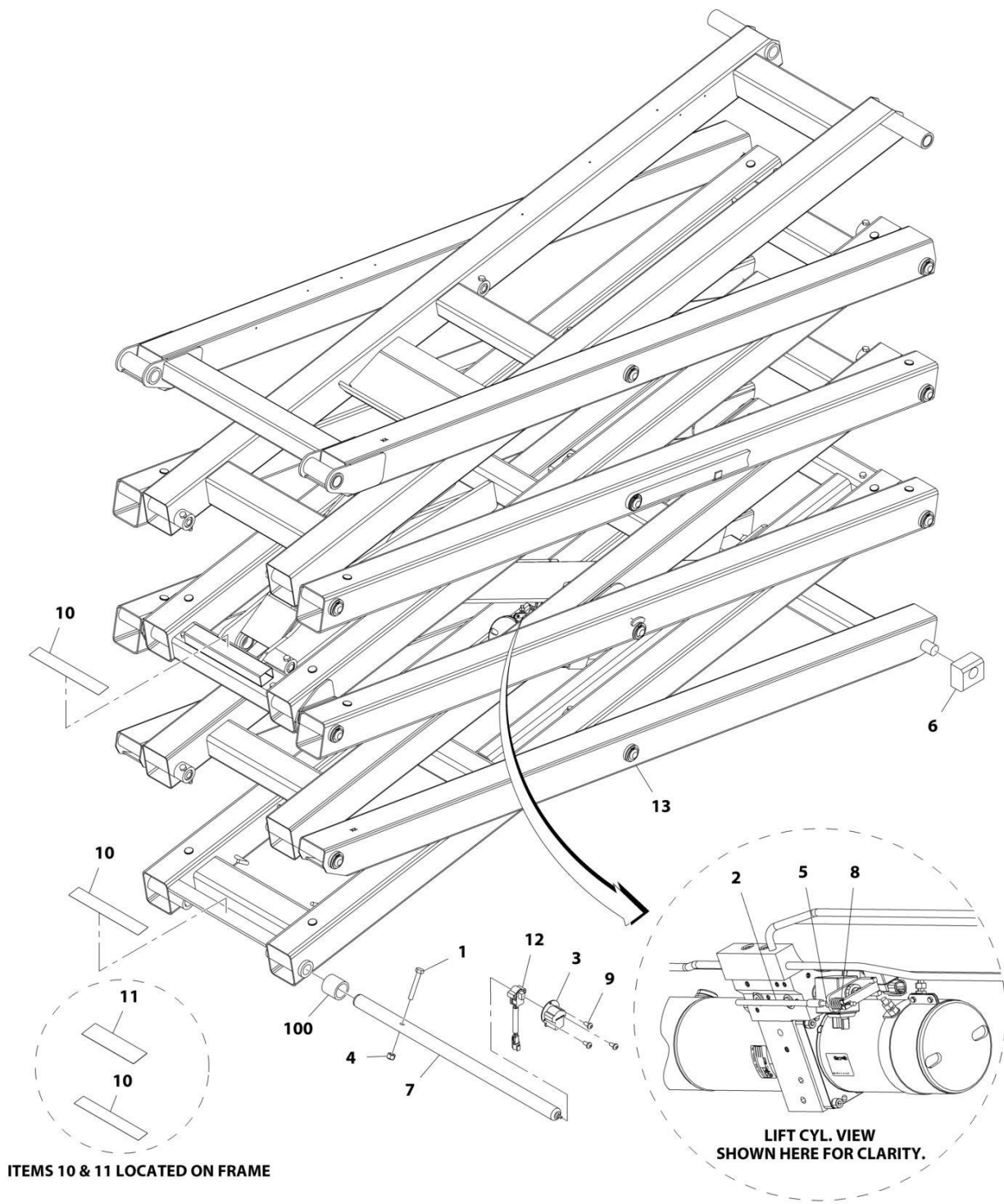
SECTION 3 - SCISSOR ARMS

FIGURE 3-2. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191055	Ref	SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL	B
1	1001219386	1	Arm - Lower Outboard	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291007	25	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3760170	1	Pin	
29	3574161	1	Bar, Prop Attach	
30	3423170	4	Right, Split	
31	3760387	20	Ring, Retaining	
32	3841143	1	Keeper, Pin	
33	3860104	1	Roller, Arm Kicker	
34	4071094	AR	Shim, Spacer	
35	4740438	20	Washer	
36	4812000	4	Washer M10	
37	4846684	1	Kicker Weldment	
38	1001139000	1	Plate	
39	1001139002	2	Washer	
40	1001129291	1	Life Cylinder Assembly - Standard Hydraulic Oil (See Separate Breakdown in CYLINDER SECTION)	
41	1001191121	1	Pin	

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FIGURE 3-3. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADABLE HYDRAULIC OIL
(MEXICO BUILT MACHINES)



ART_1001191069

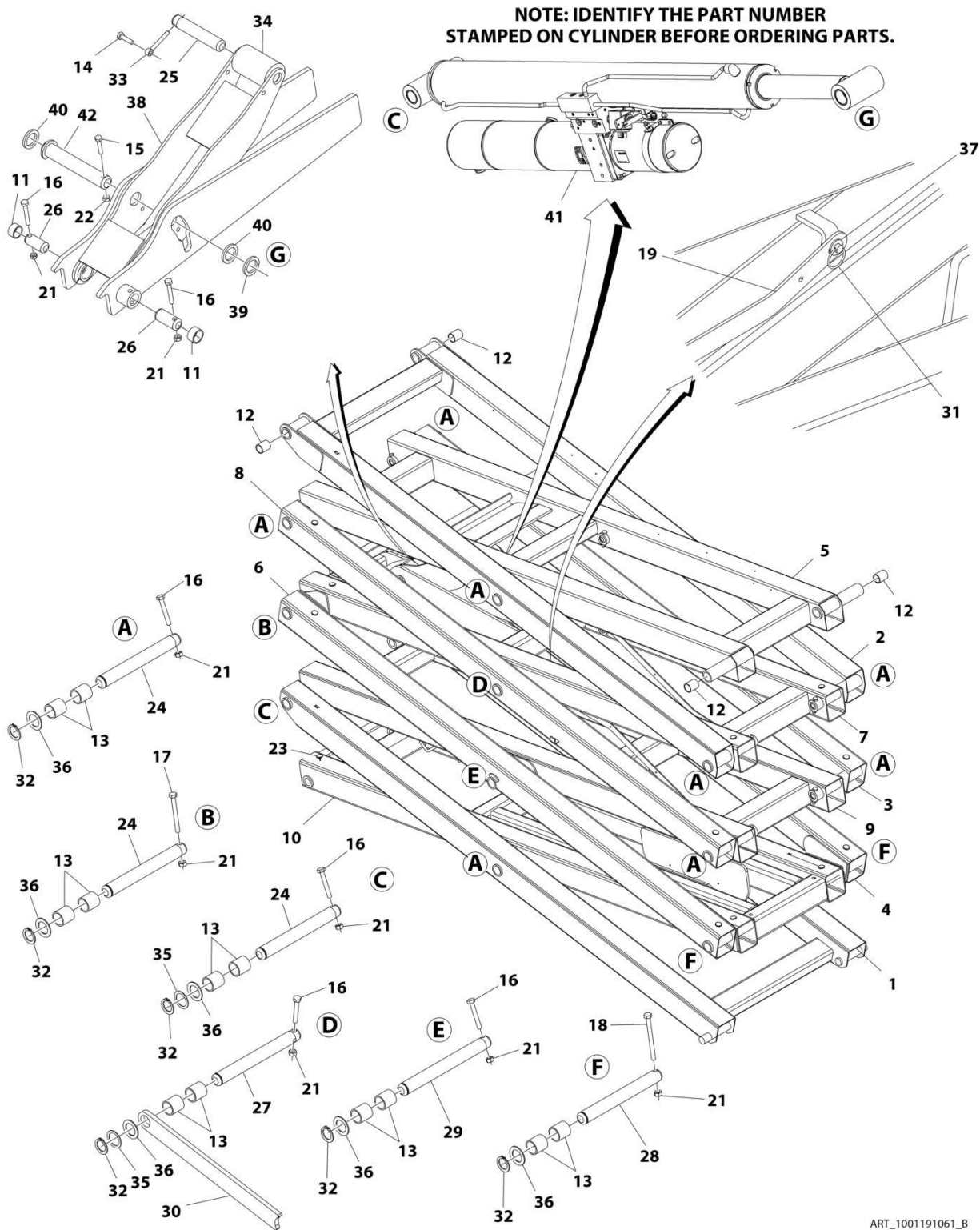
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**FIGURE 3-3. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL
(MEXICO BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191069	Ref	SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Thread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191061	1	Arms Assembly (See Separate Breakdown in this Section)	
100	0440265	2	Bushing (Part of Frame Weldment)	

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FIGURE 3-4. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADABLE HYDRAULIC OIL (MEXICO BUILT MACHINES)



ART_1001191061_B

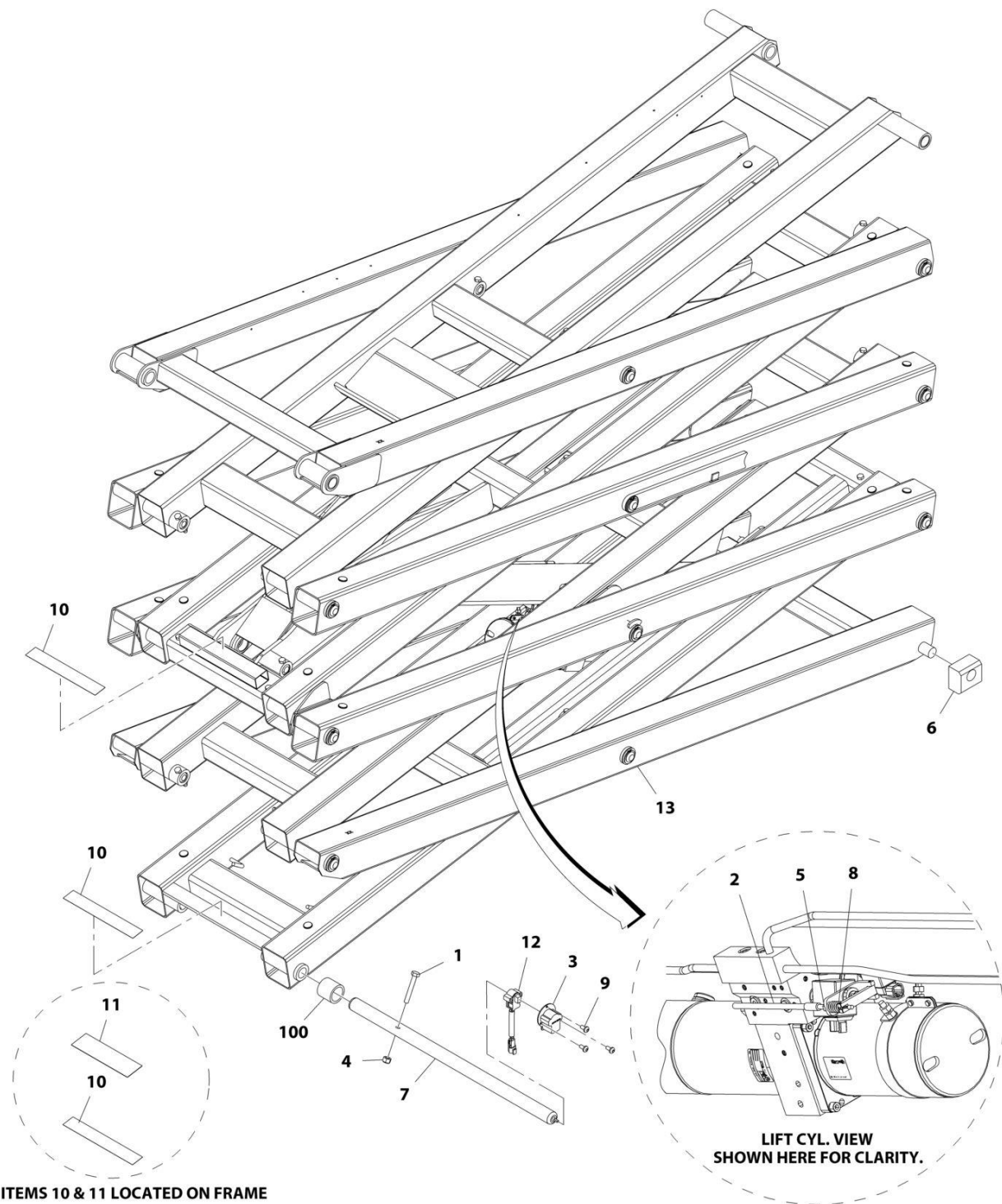
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FIGURE 3-4. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (MEXICO BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191061	Ref	SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL	B
1	1001219386	1	Arm - Lower Outboard	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291005	24	Nut M10	
22	3291007	1	Nut M10	
23	3340962	24	Pad, Arm	
24	3422997	17	Pin	
25	3422998	1	Pin	
26	3423011	2	Pin	
27	3423014	1	Pin	
28	3423026	2	Pin	
29	3423170	1	Pin	
30	3574161	1	Bar, Prop Attach	
31	3760170	4	Ring, Split	
32	3760387	20	Ring, Retaining	
33	3841143	1	Keeper, Pin	
34	3860104	1	Roller, Arm Kicker	
35	4071094	AR	Shim, Spacer	
36	4740438	20	Washer	
37	4812000	4	Washer M10	
38	4846684	1	Kicker Weldment	
39	1001139000	1	Plate	
40	1001139002	2	Washer	
41	1001157332	1	Life Cylinder Assembly - Biodegradeable Hydraulic Oil (See Separate Breakdown in CYLINDER SECTION)	
42	1001191121	1	Pin	

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FIGURE 3-5. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADABLE HYDRAULIC OIL
(CHINA BUILT MACHINES)



ART_1001191065

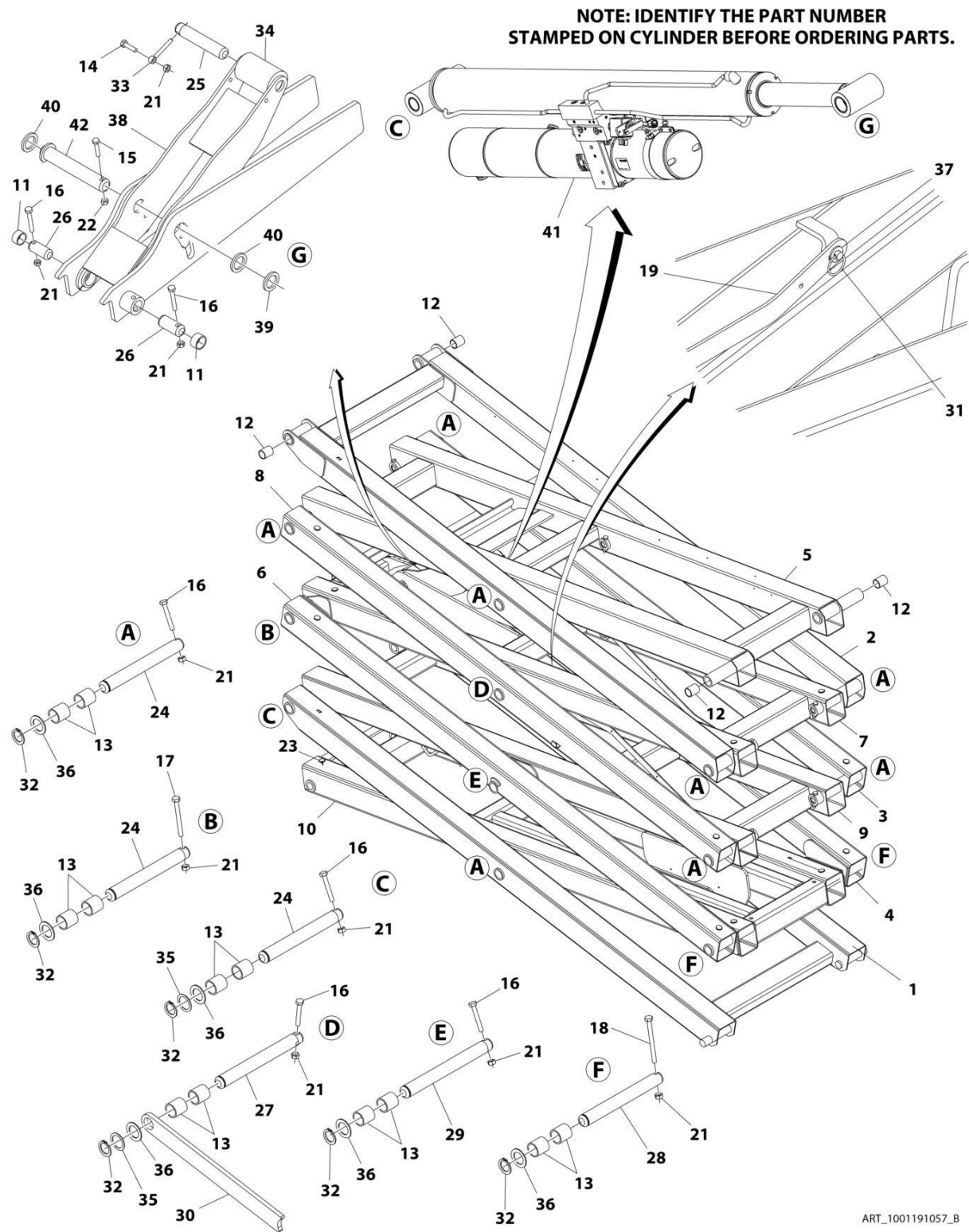
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**FIGURE 3-5. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL
(CHINA BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191065	Ref	SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Tread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191057	1	Arms Assembly (See Separate Breakdown in this Section)	
100	0440265	2	Bushing (Part of Frame Weldment)	

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FIGURE 3-6. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES)



ART_1001191057_B

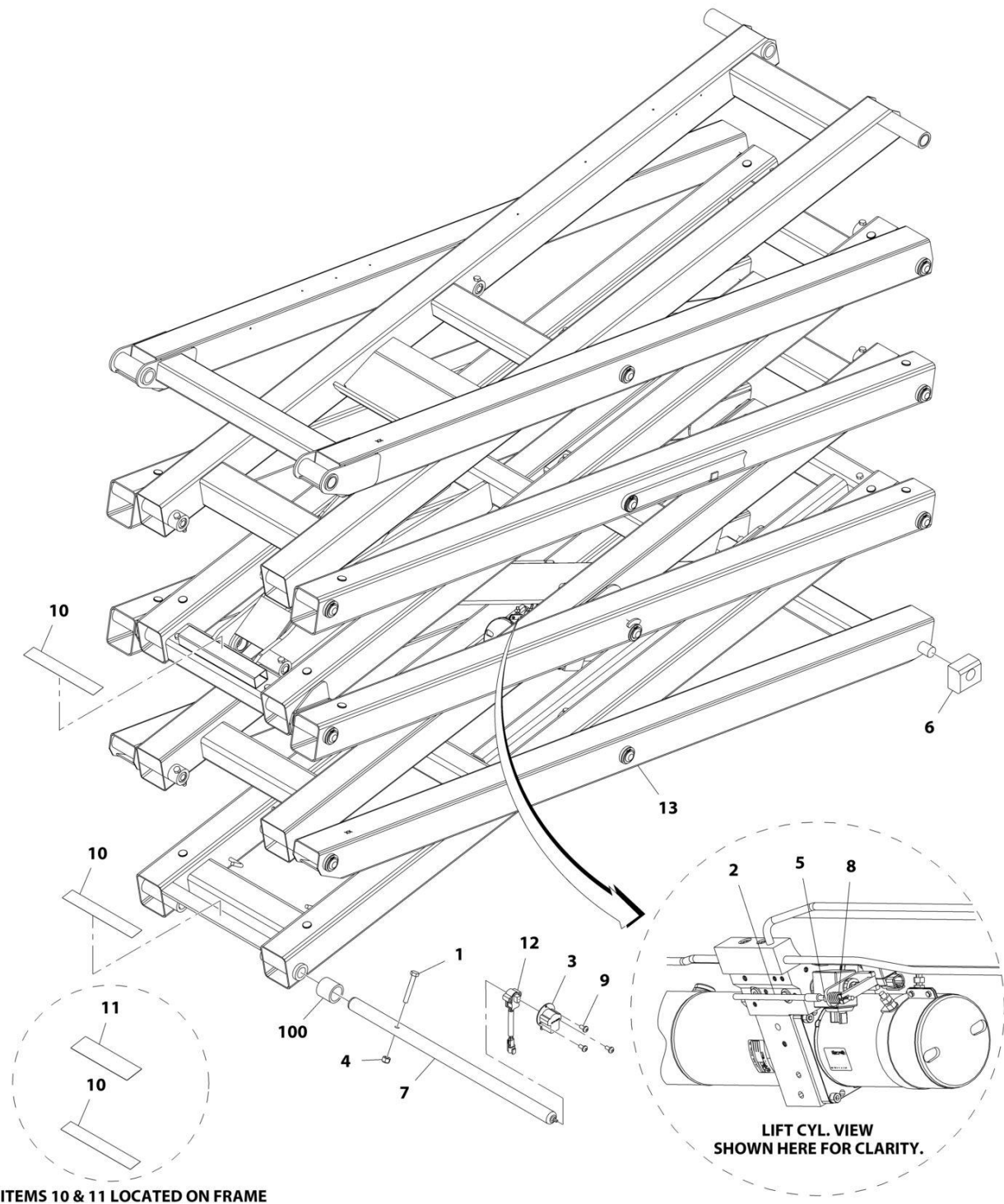
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FIGURE 3-6. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191057	Ref	SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADABLE HYDRAULIC OIL	B
1	1001219386	1	Arm - Lower Outboard	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291005	24	Nut M10	
22	3291007	1	Nut M10	
23	3340962	24	Pad, Arm	
24	3422997	17	Pin	
25	3422998	1	Pin	
26	3423011	2	Pin	
27	3423014	1	Pin	
28	3423026	2	Pin	
29	3423170	1	Pin	
30	3574161	1	Bar, Prop Attach	
31	3760170	4	Ring, Split	
32	3760387	20	Ring, Retaining	
33	3841143	1	Keeper, Pin	
34	3860104	1	Roller, Arm Kicker	
35	4071094	AR	Shim, Spacer	
36	4740438	20	Washer	
37	4812000	4	Washer M10	
38	4846684	1	Kicker Weldment	
39	1001139000	1	Plate	
40	1001139002	2	Washer	
41	1001131036	1	Life Cylinder Assembly - Biodegradeable Hydraulic Oil (See Separate Breakdown in CYLINDER SECTION)	
42	1001191121	1	Pin	

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FIGURE 3-7. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES)



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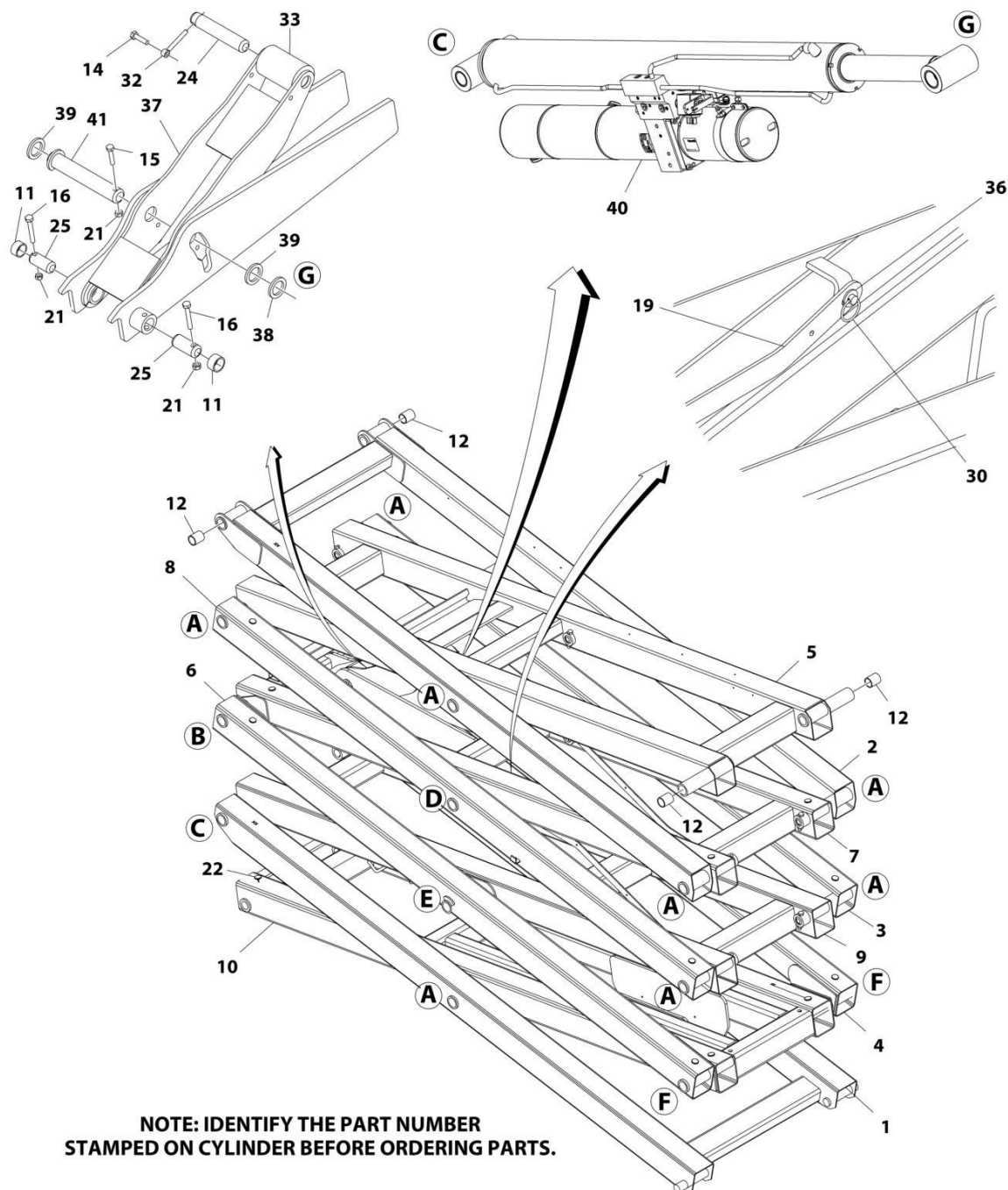
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FIGURE 3-7. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191064	Ref	SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Tread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191056	1	Arms Assembly (See Separate Breakdown in this Section)	
100	0440265	2	Bushing (Part of Frame Weldment)	

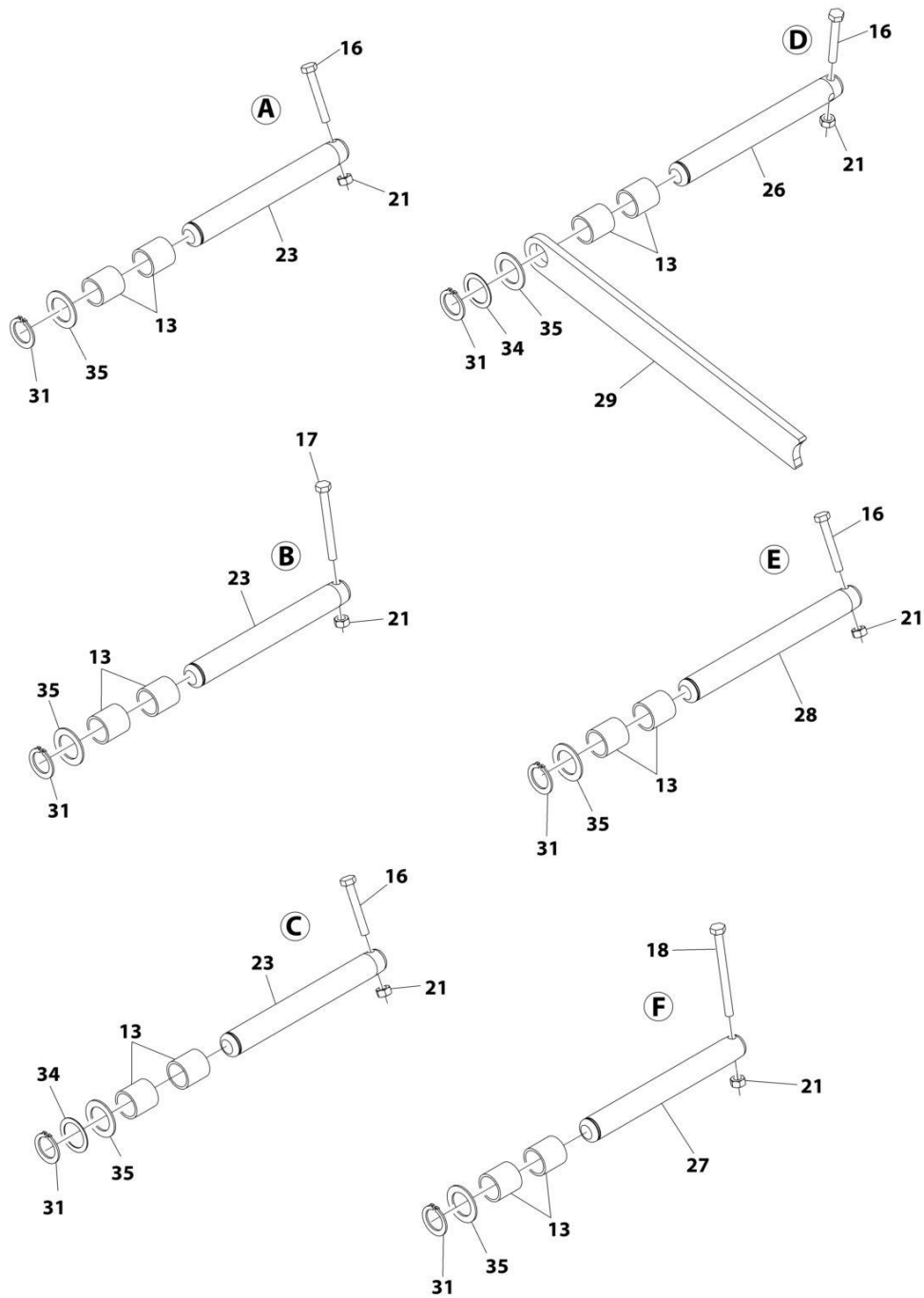
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FIGURE 3-8. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES)



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ART_1001191056_B_20F2

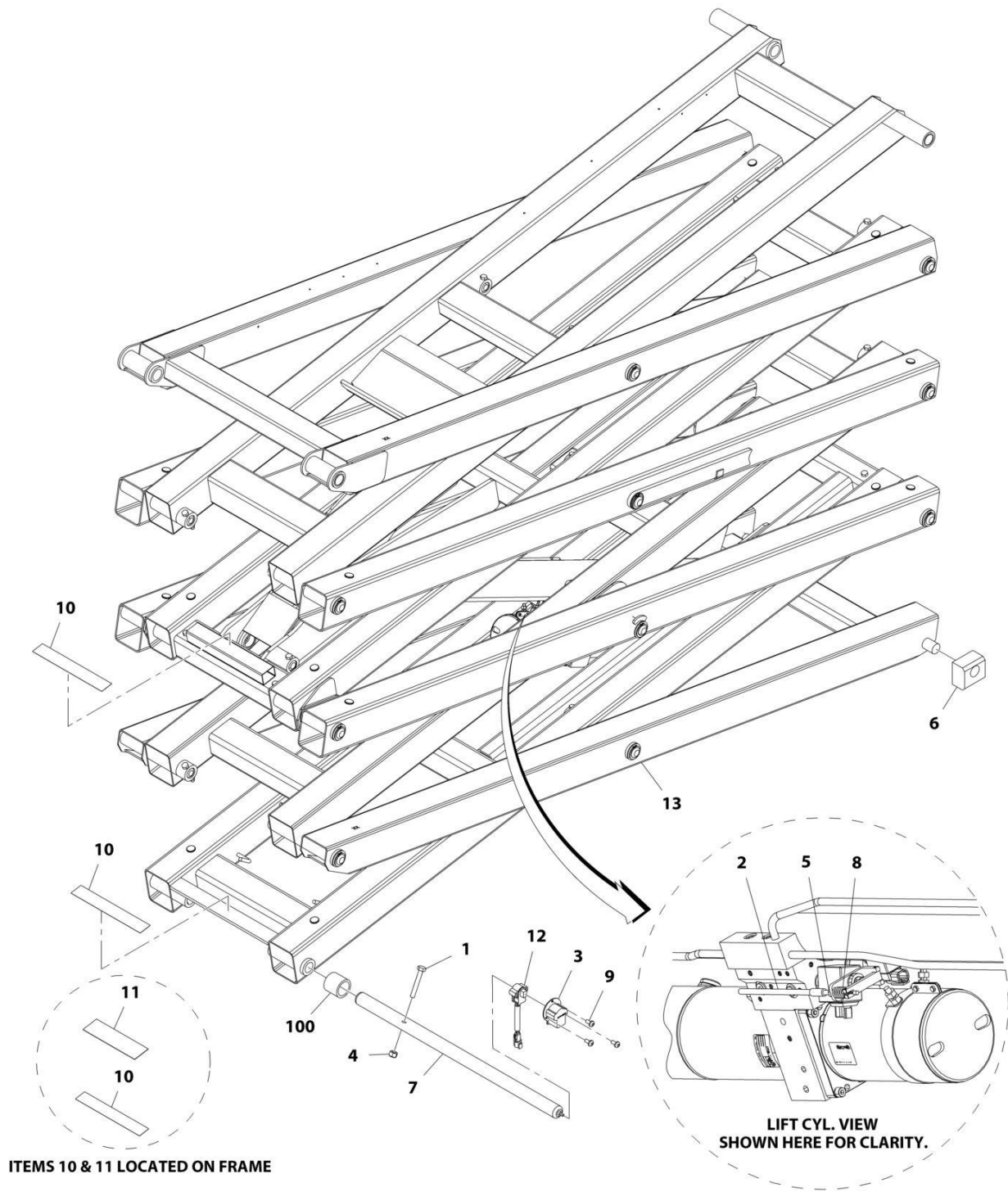
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FIGURE 3-8. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191056	Ref	SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL	B
1	1001219386	1	Arm - Lower Outboard	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291007	25	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3760170	1	Pin	
29	3574161	1	Bar, Prop Attach	
30	3423170	4	Right, Split	
31	3760387	20	Ring, Retaining	
32	3841143	1	Keeper, Pin	
33	3860104	1	Roller, Arm Kicker	
34	4071094	AR	Shim, Spacer	
35	4740438	20	Washer	
36	4812000	4	Washer M10	
37	4846684	1	Kicker Weldment	
38	1001139000	1	Plate	
39	1001139002	2	Washer	
40	1001129292	1	Life Cylinder Assembly - Standard Hydraulic Oil (See Separate Breakdown in CYLINDER SECTION)	
41	1001191121	1	Pin	

SECTION 3 - SCISSOR ARMS

FIGURE 3-9. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADABLE HYDRAULIC OIL
(MEXICO BUILT MACHINES)



ART_1001191070

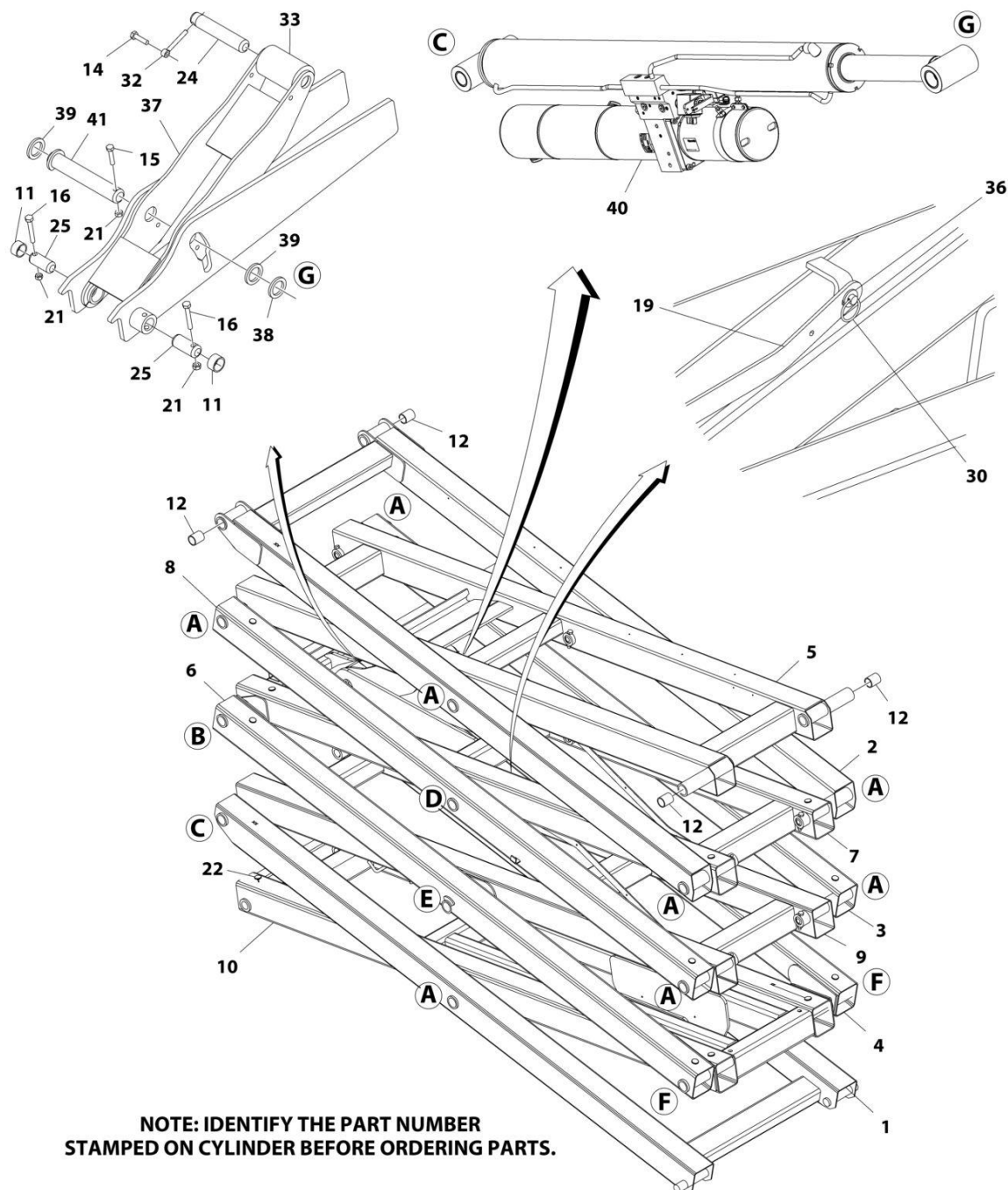
SECTION 3 - SCISSOR ARMS

**FIGURE 3-9. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL
(MEXICO BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191070	Ref	SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Tread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191062	1	Arms Assembly (See Separate Breakdown in CYLINDER SECTION)	
100	0440265	2	Bushing (Part of Frame Weldment)	

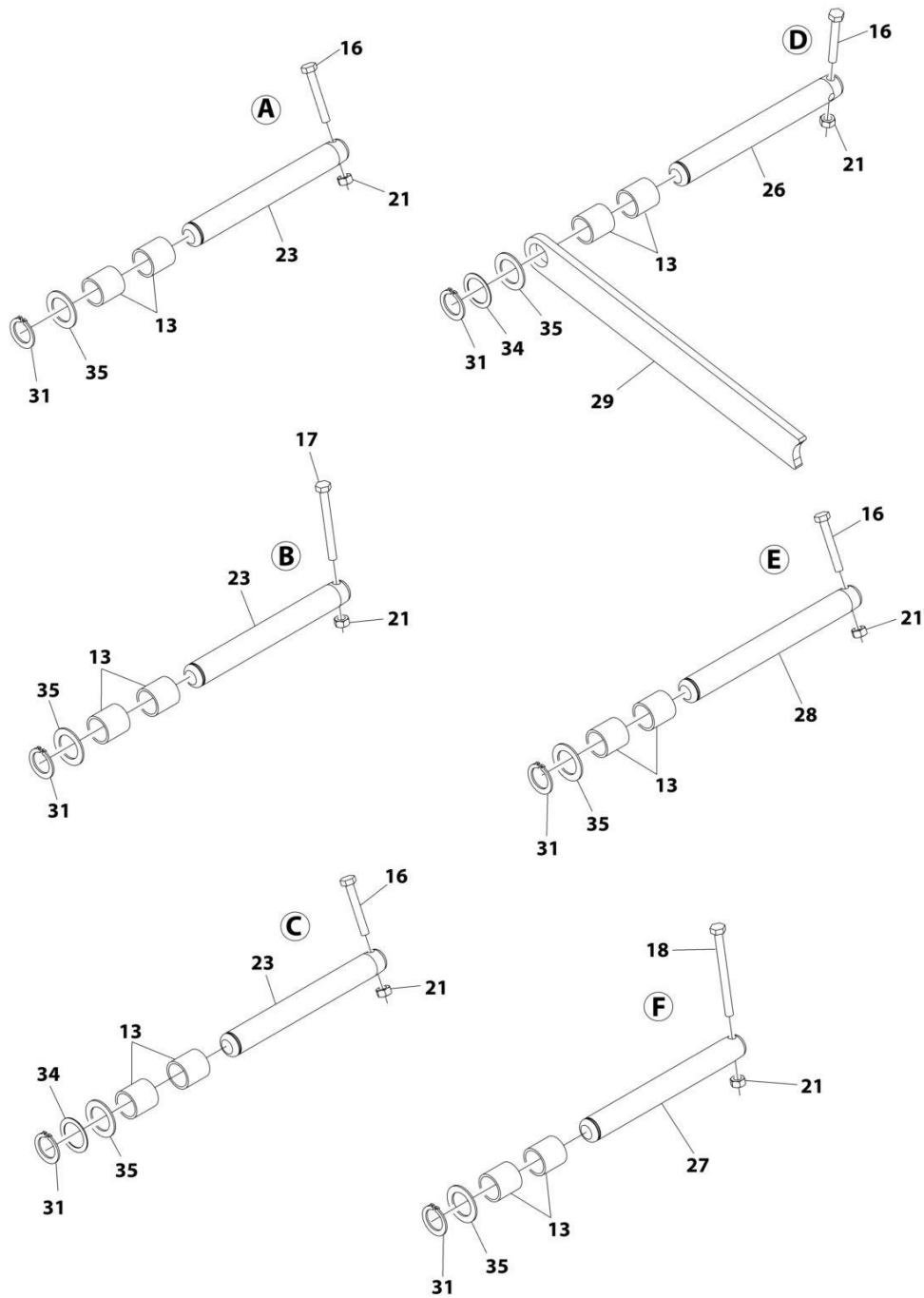
SECTION 3 - SCISSOR ARMS

FIGURE 3-10. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (MEXICO BUILT MACHINES)



ART_1001191062_B_1OF2

SECTION 3 - SCISSOR ARMS



ART_1001191062_B_20F2

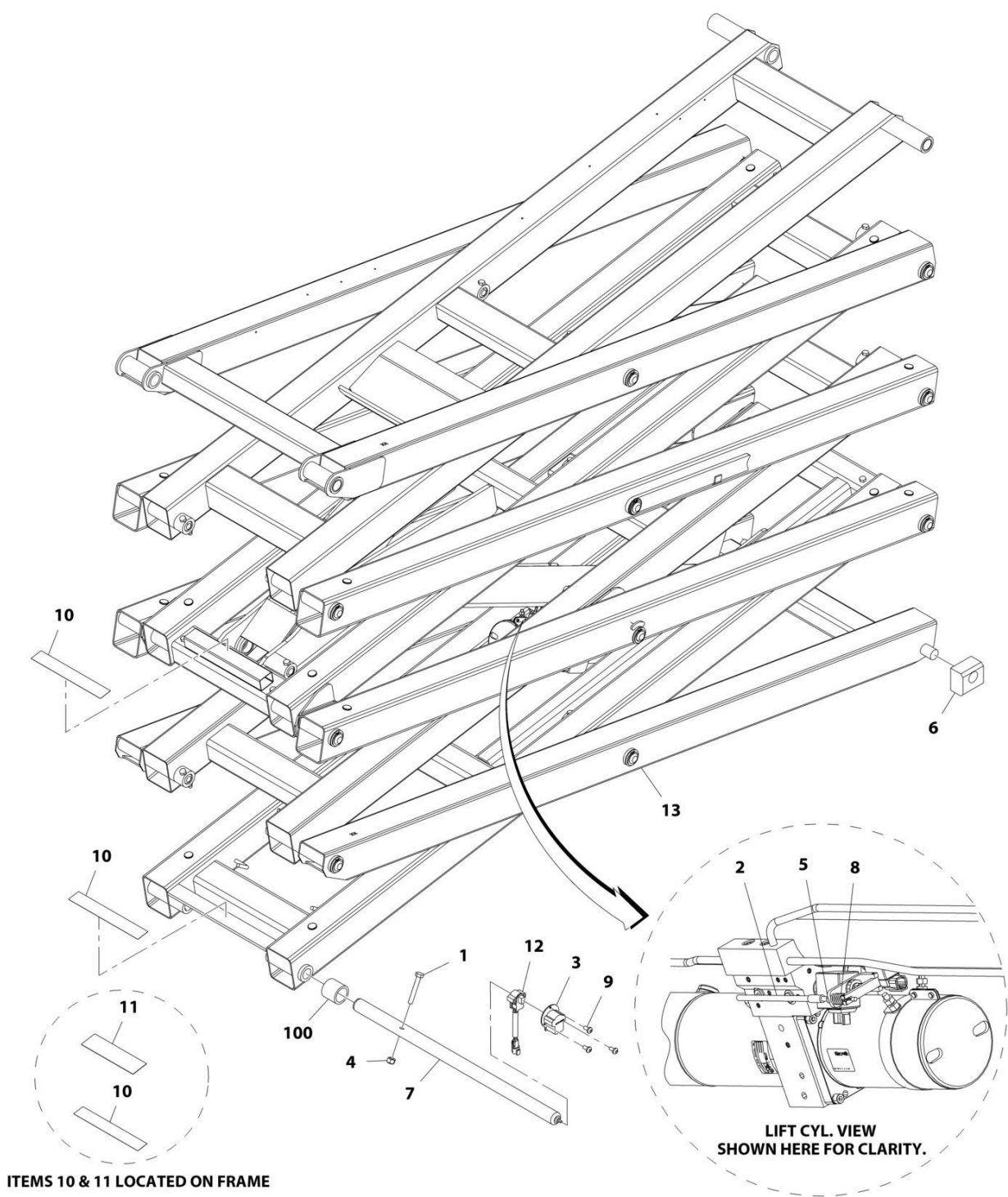
SECTION 3 - SCISSOR ARMS

FIGURE 3-10. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADABLE HYDRAULIC OIL (MEXICO BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191062	Ref	SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADABLE HYDRAULIC OIL	B
1	1001219386	1	Arm - Lower Outboard	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291007	25	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3760170	1	Pin	
29	3574161	1	Bar, Prop Attach	
30	3423170	4	Right, Split	
31	3760387	20	Ring, Retaining	
32	3841143	1	Keeper, Pin	
33	3860104	1	Roller, Arm Kicker	
34	4071094	AR	Shim, Spacer	
35	4740438	20	Washer	
36	4812000	4	Washer M10	
37	4846684	1	Kicker Weldment	
38	1001139000	1	Plate	
39	1001139002	2	Washer	
40	1001157333	1	Life Cylinder Assembly - Biodegradable Hydraulic Oil (See Separate Breakdown in CYLINDER SECTION)	
41	1001191121	1	Pin	

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FIGURE 3-11. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL
(CHINA BUILT MACHINES)



ART_1001191066

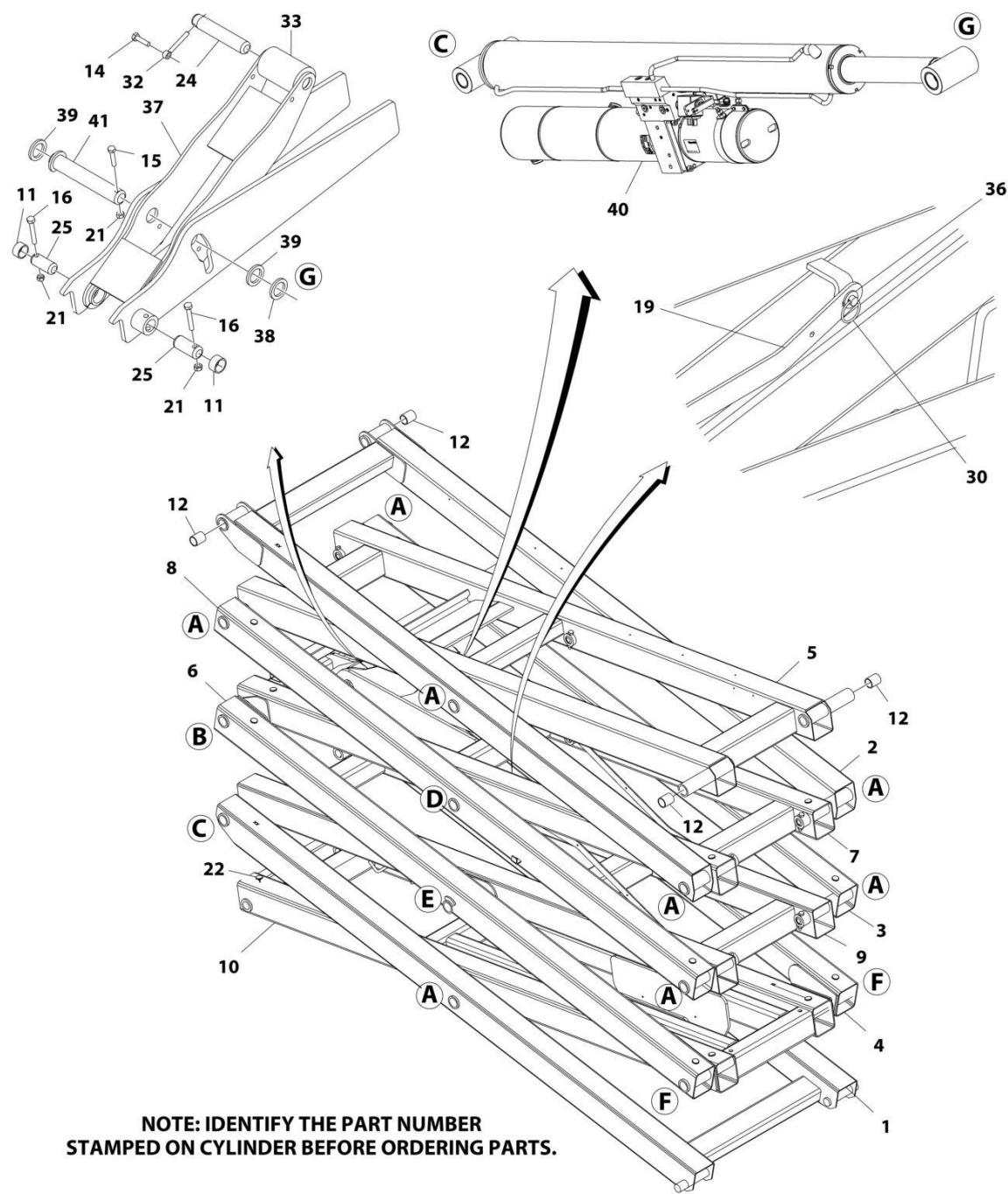
SECTION 3 - SCISSOR ARMS

**FIGURE 3-11. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL
(CHINA BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191066	Ref	SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4-28	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Tread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191058	1	Arms Assembly (See Separate Breakdown in this Section)	
100	0440265	2	Bushing (Part of Frame Weldment)	

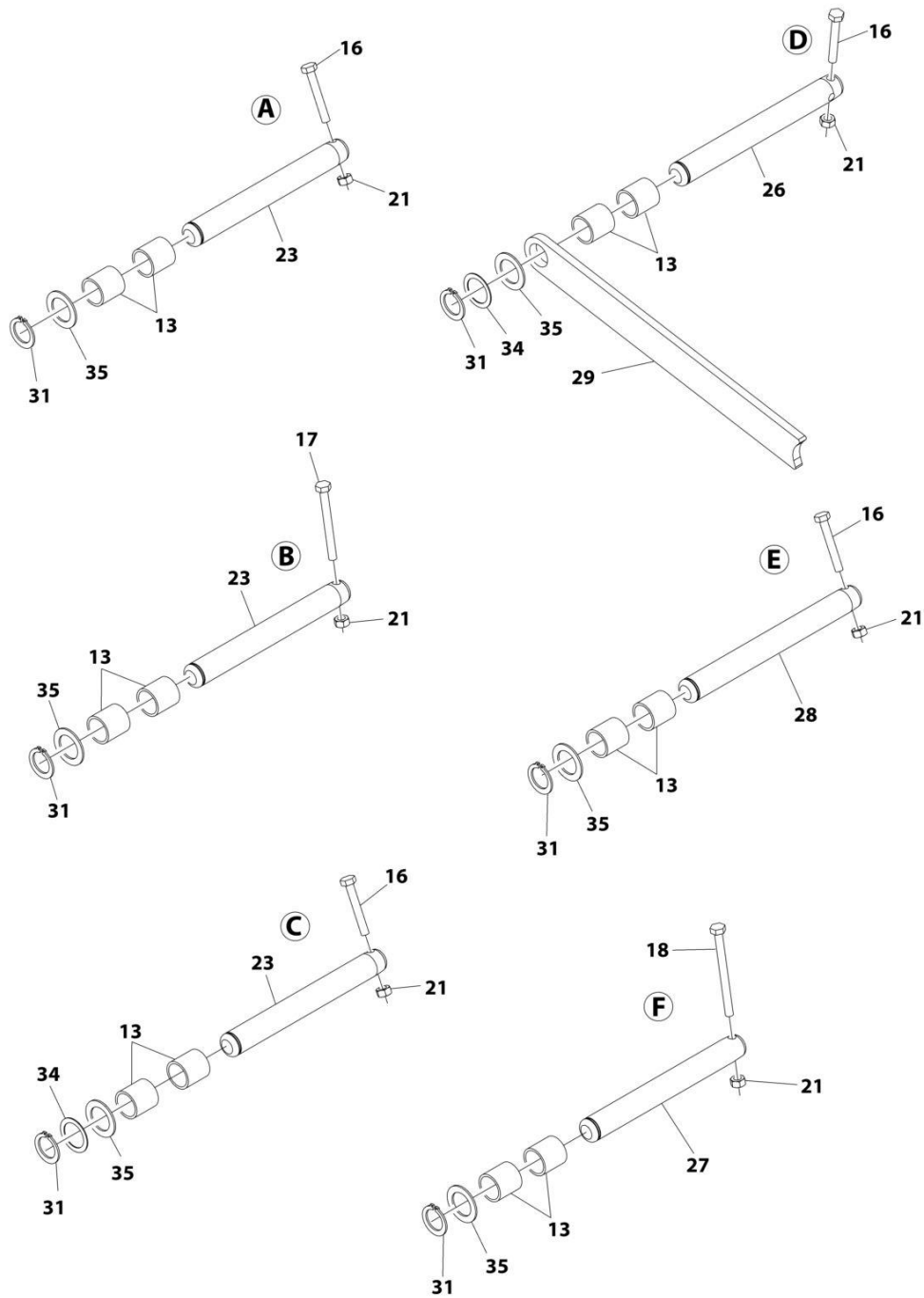
SECTION 3 - SCISSOR ARMS

FIGURE 3-12. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES)



ART_1001191058_B_1OF2

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ART_1001191058_B_20F2

SECTION 3 - SCISSOR ARMS

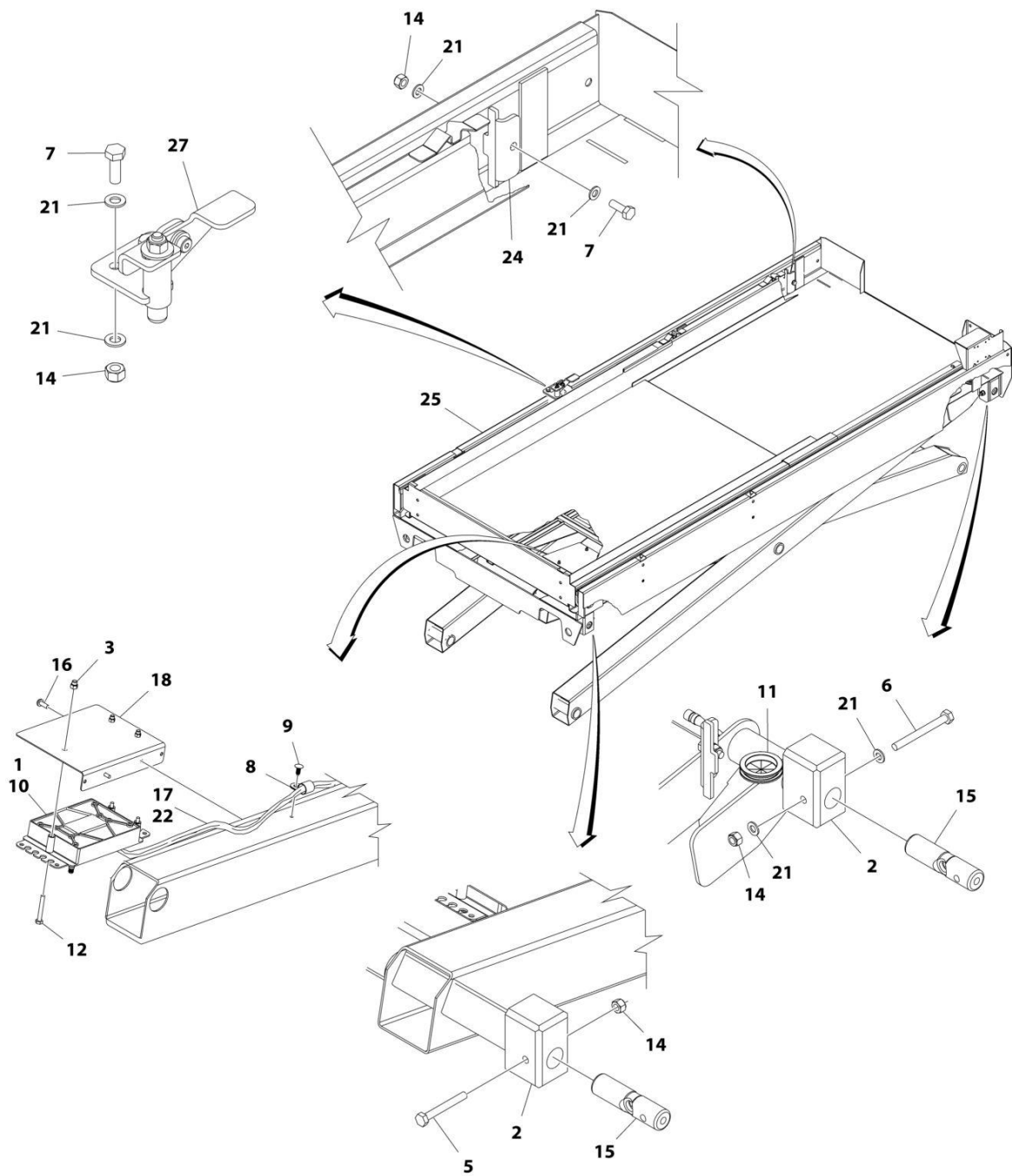
FIGURE 3-12. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191058	Ref	SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL	B
1	1001219386	1	Arm - Lower Outboard	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291007	25	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3423170	1	Pin	
29	3574161	1	Bar, Prop Attach	
30	3760170	4	Right, Split	
31	3760387	20	Ring, Retaining	
32	3841143	1	Keeper, Pin	
33	3860104	1	Roller, Arm Kicker	
34	4071094	AR	Shim, Spacer	
35	4740438	20	Washer	
36	4812000	4	Washer M10	
37	4846684	1	Kicker Weldment	
38	1001139000	1	Plate	
39	1001139002	2	Washer	
40	1001131037	1	Life Cylinder Assembly - Biodegradeable Hydraulic Oil (See Separate Breakdown in CYLINDER SECTION)	
41	1001191121	1	Pin	

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SECTION 4 - PLATFORM

FIGURE 4-1. PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITH LSS



ART_1001177181_F

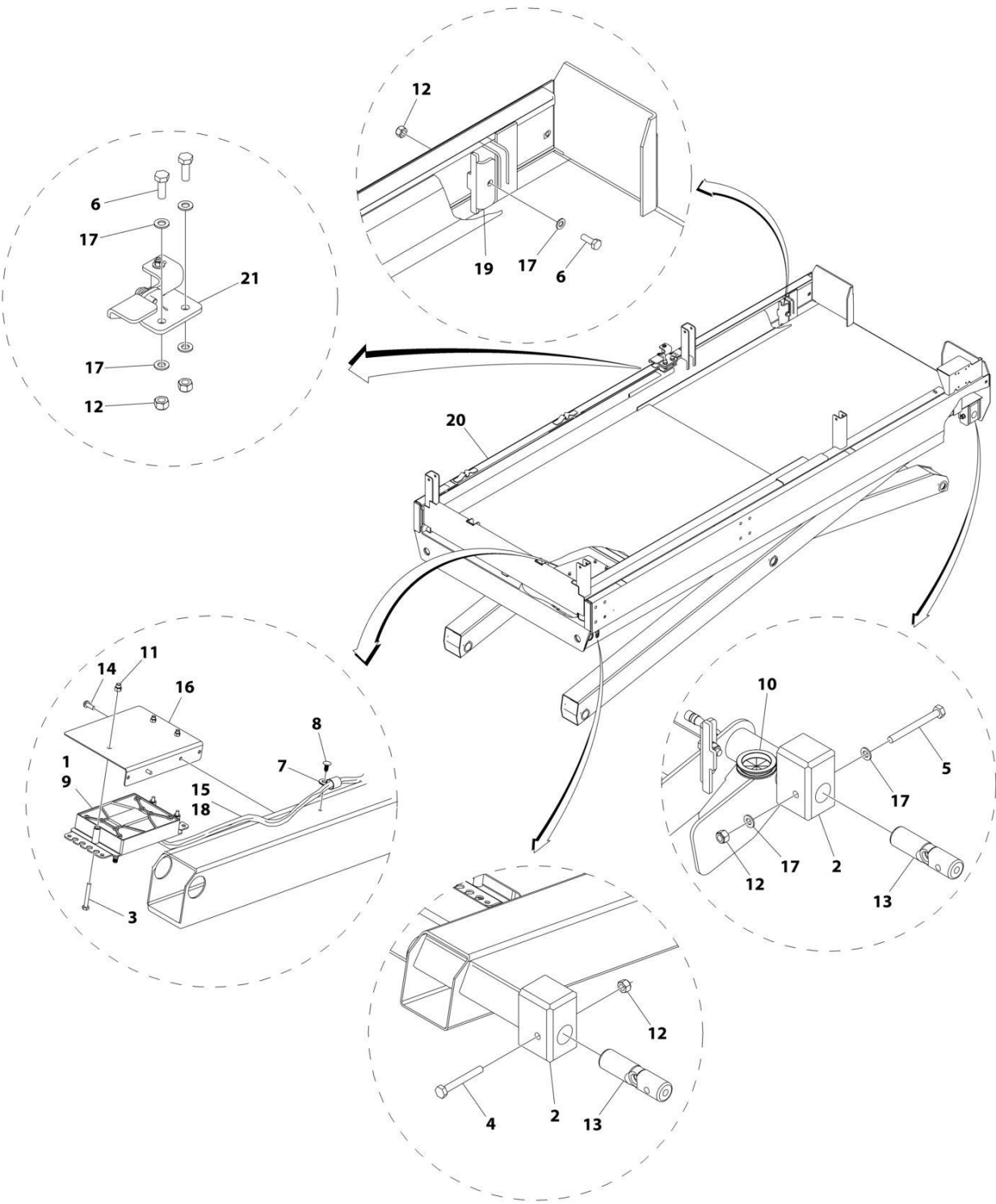
SECTION 4 - PLATFORM

FIGURE 4-1. PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITH LSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177181	Ref	PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITH LSS	F
1	0100048	AR	Compound, Sealing	
2	0561520	4	Block, Slide	
3	0700617	3	Bolt M6 x 45	
5	0701024	2	Bolt M10 x 80	
6	0701027	2	Bolt M10 x 100	
7	0761014	4	Bolt M10 x 30	
8	1320318	3	Clamp	
9	1380158	3	Clip, Retainer	
10	1600387	1	Controller, Load Sense	
11	2540045	1	Grommet	
12	3290606	3	Nut M6	
14	3291005	8	Nut M10	
15	3422938	4	Pin, Load Management, 1.25	
16	4191707	2	Screw M6 x 16	
17	4240033	AR	Tie-Strap	
18	4340931	1	Mount, LSS Module	
21	4812000	10	Washer M10	
22	4923228	1	Harness, Load Sense without Fuse (See Separate Breakdown in ELECTRICAL SECTION)	
22	1001263062	1	Harness, Load Sense with Fuse (See Separate Breakdown in ELECTRICAL SECTION)	
24	1001175188	2	Bracket, Stop	
25	1001175461	1	Platform and Extension Assembly - With Inside Extension Rails (See Separate Breakdown in this Section)	
27	1001234398	1	Latch Assembly - With Inside Extension Rails (See Separate Breakdown in this Section)	

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FIGURE 4-2. PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITH LSS



ART_1001209281

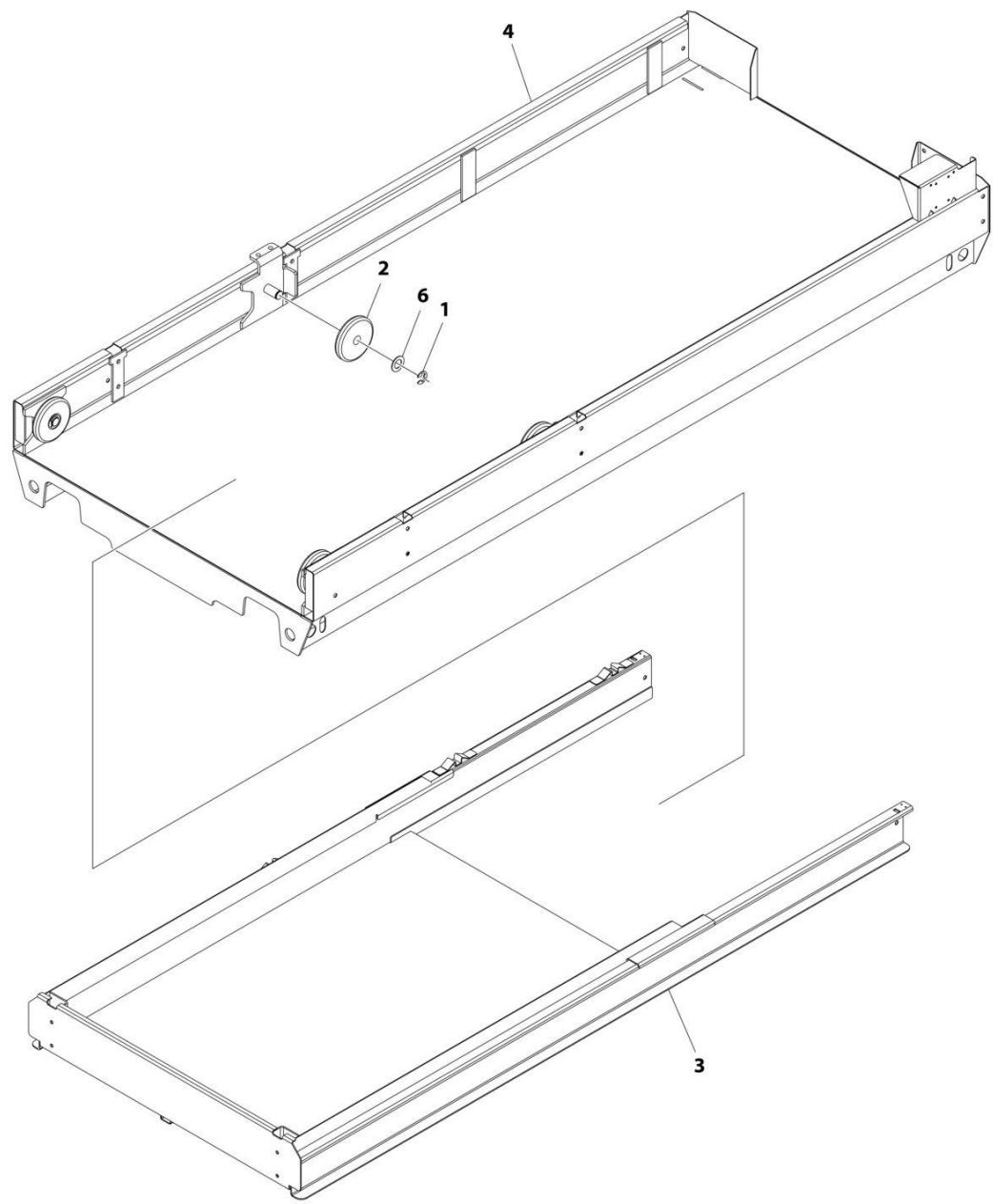
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FIGURE 4-2. PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITH LSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209281	Ref	PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITH LSS	A
1	0100048	AR	Compound, Sealing	
2	0561520	4	Block, Slide	
3	0700617	3	Bolt M6 x 45	
4	0701024	2	Bolt M10 x 80	
5	0701027	2	Bolt M10 x 100	
6	0761014	4	Bolt M10 x 30	
7	1320318	3	Clamp	
8	1380158	3	Clip, Retainer	
9	1600387	1	Controller, Load Sense	
10	2540045	1	Grommet	
11	3290606	3	Nut M6	
12	3291005	8	Nut M10	
13	3422938	4	Pin, Load Management, 1.25	
14	4191707	2	Screw M6 x 16	
15	4240033	AR	Tie-Strap	
16	4340931	1	Mount, LSS Module	
17	4812000	10	Washer M10	
18	4923228	1	Harness, Load Sense (See Separate Breakdown in ELECTRICAL SECTION)	
19	1001175188	2	Bracket, Stop	
20	1001209252	1	Platform and Extension Assembly - With Outside Extension Rails (See Separate Breakdown in this Section)	
21	1001209256	1	Latch Assembly - With Outside Extension Rails (See Separate Breakdown in this Section)	

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FIGURE 4-3. PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAILS



ART_1001175461_Q

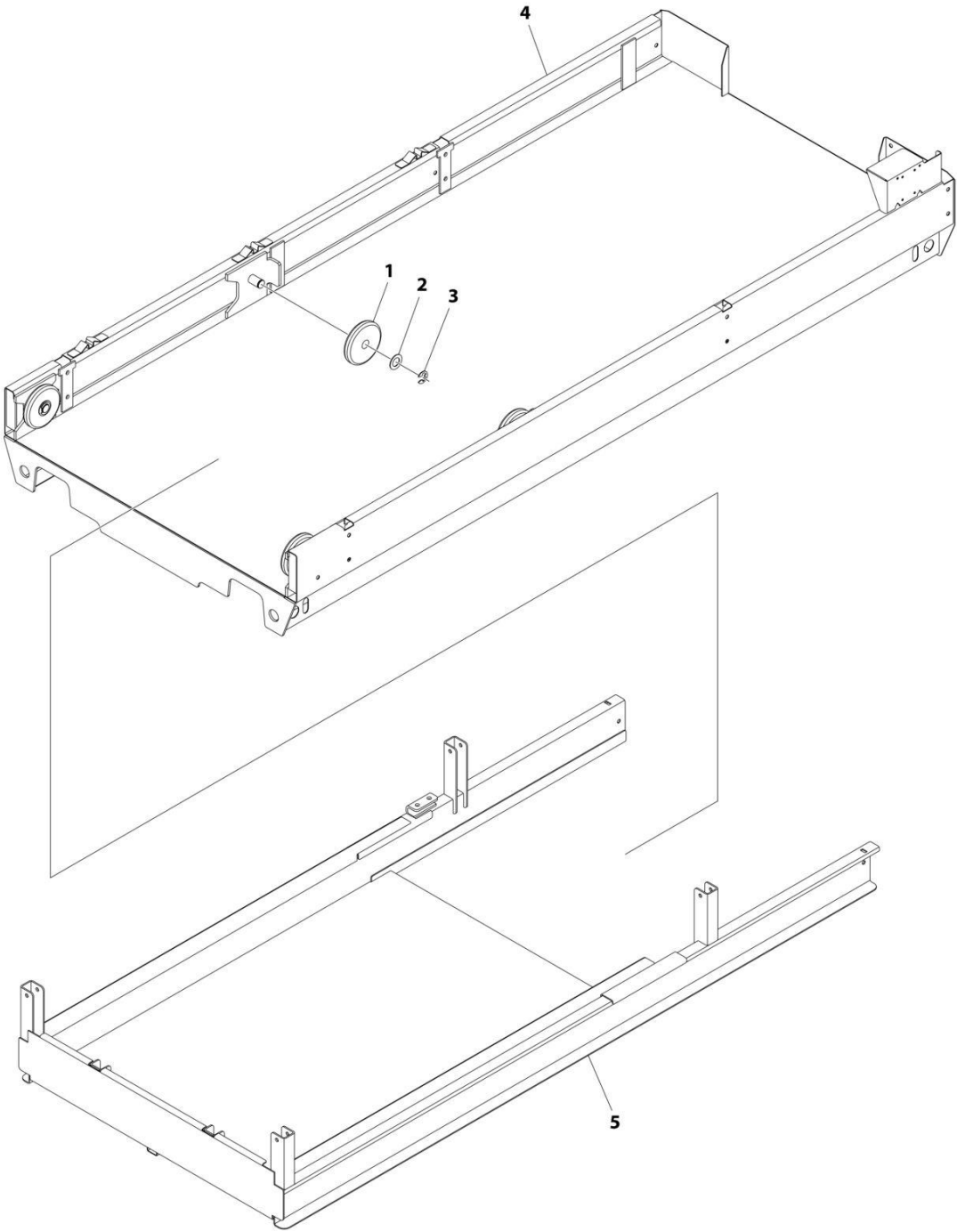
SECTION 4 - PLATFORM

FIGURE 4-3. PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAILS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175461	Ref	PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAILS	Q
1	1001182339	4	Clip	
2	1001243601	4	Roller	
3	1001232146	1	Extension, Platform	
4	1001175192	1	Platform	
6	4740446	4	Washer, Thrust	

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FIGURE 4-4. PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS



ART_1001209252_D

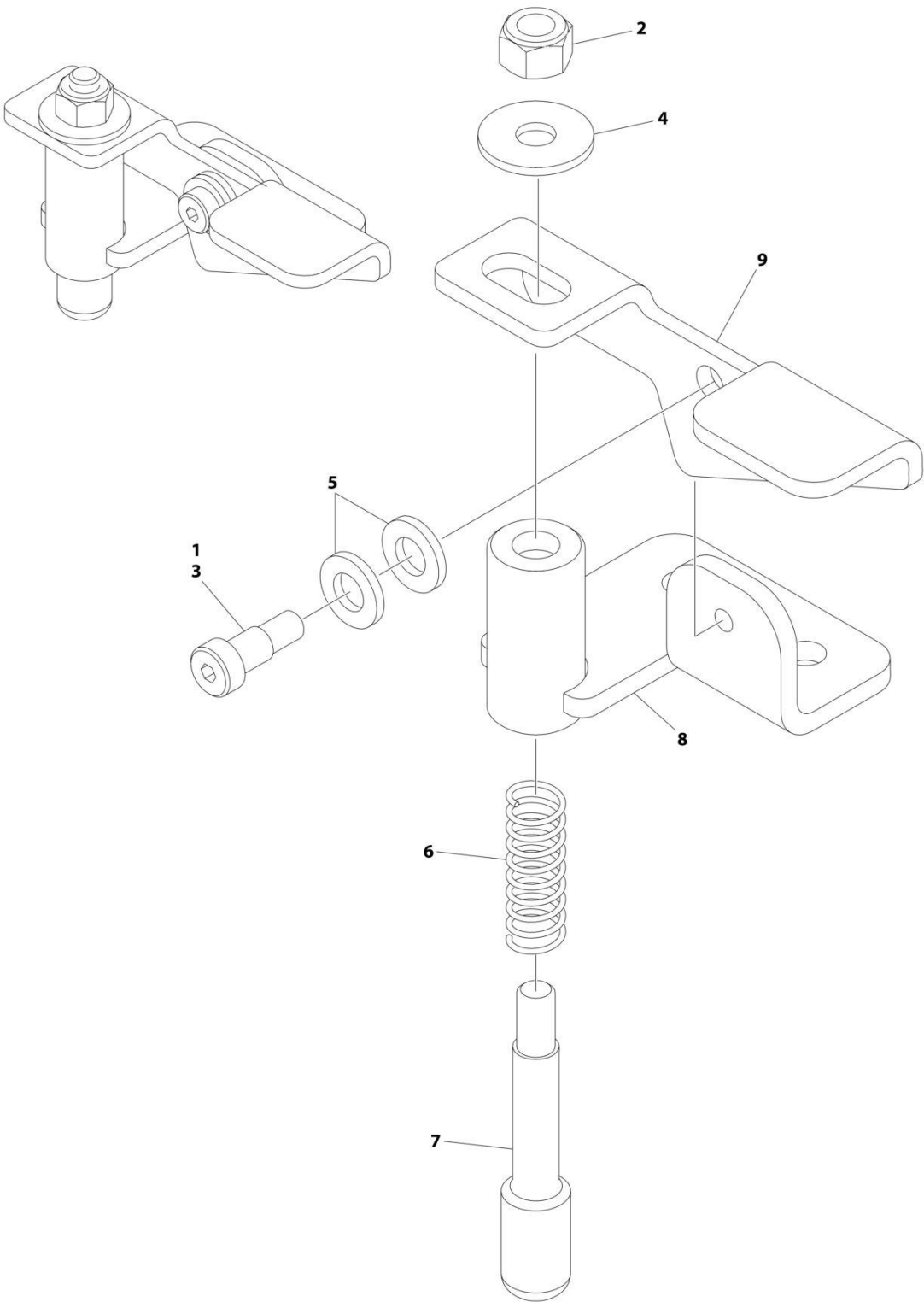
SECTION 4 - PLATFORM

FIGURE 4-4. PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209252	Ref	PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS	D
1	1001243601	4	Roller	
2	4740446	4	Washer, Thrust	
3	1001182339	4	Clip	
4	1001209257	1	Platform	
5	1001209262	1	Extension, Platform	

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FIGURE 4-5. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS



ART_1001234398

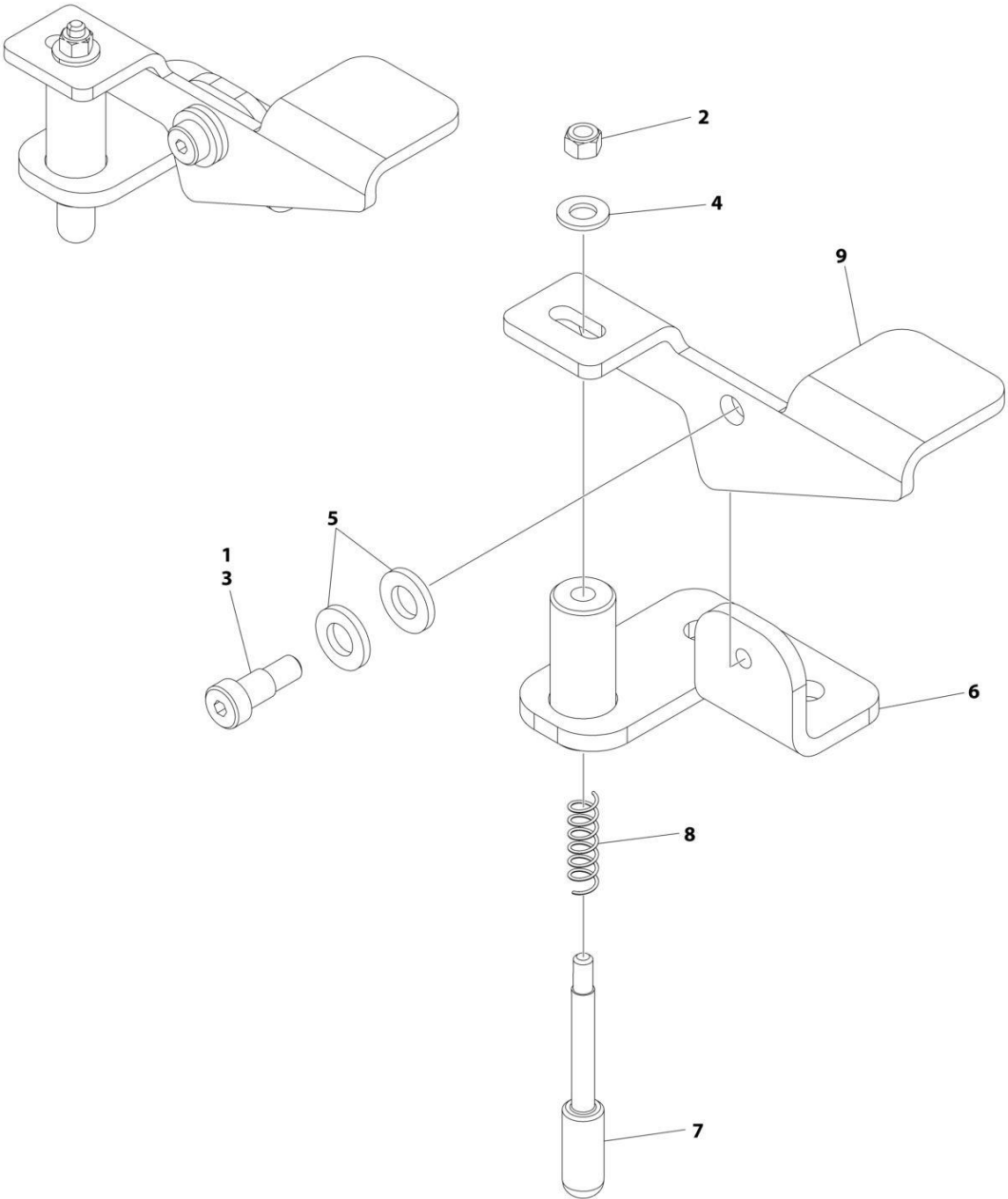
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FIGURE 4-5. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234398	Ref	LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS	B
1	0100011	AR	Compound, Locking	
2	3291005	1	Nut M10	
3	3900190	1	Screw	
4	4812002	1	Washer M10	
5	5241000	2	Washer M10	
6	1001221475	1	Spring	
7	1001221476	1	Rod, Threaded	
8	1001234399	1	Bracket	
9	1001234401	1	Latch	

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FIGURE 4-6. LATCH ASSEMBLY - WITH OUTSIDE EXTENSION RAILS



ART_1001209256-E

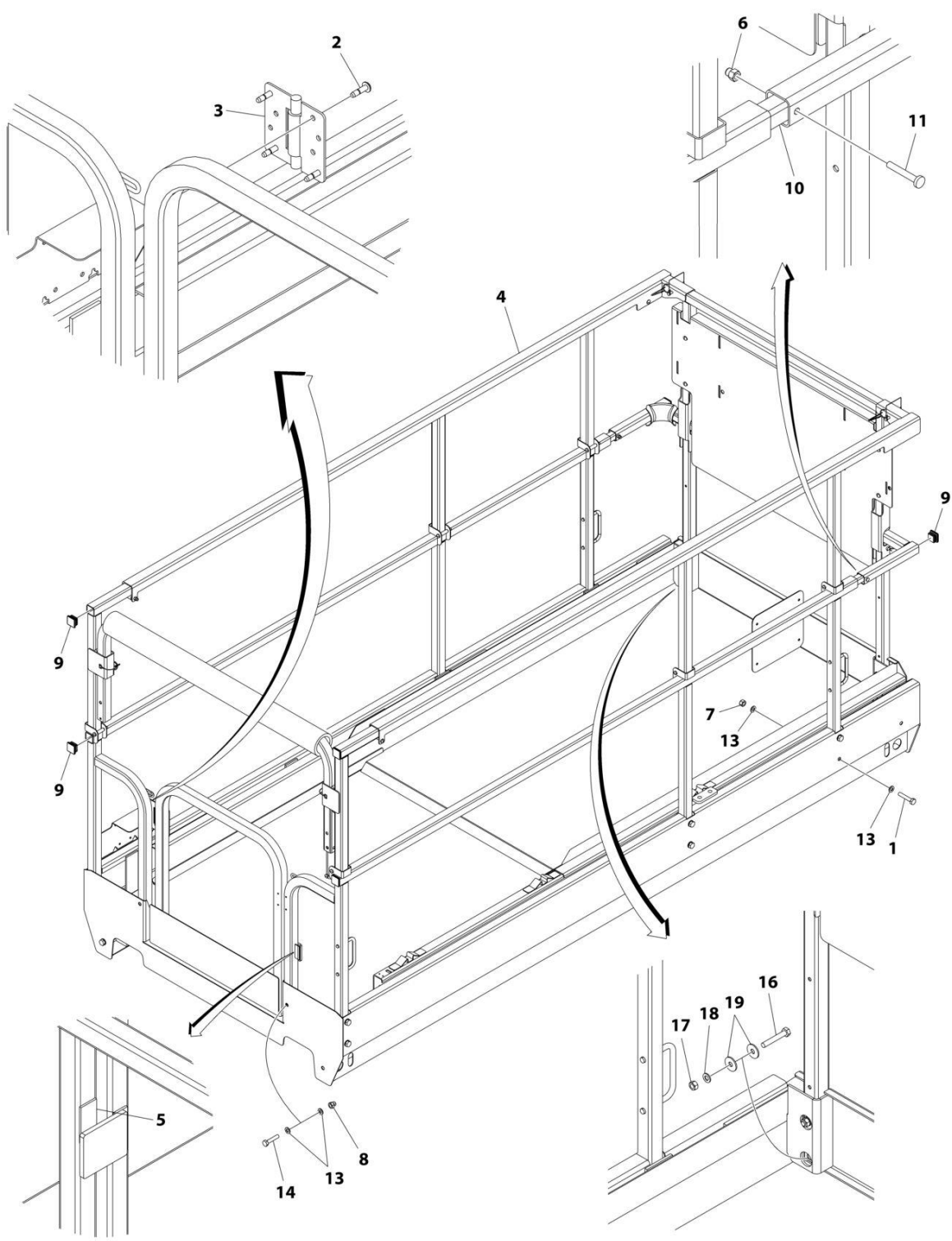
SECTION 4 - PLATFORM

FIGURE 4-6. LATCH ASSEMBLY - WITH OUTSIDE EXTENSION RAILS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209256	Ref	LATCH ASSEMBLY - WITH OUTSIDE EXTENSION RAILS	E
1	0100011	AR	Compound, Locking	
2	3291005	1	Nut M10	
3	3900190	1	Screw	
4	4812002	1	Washer M10	
5	5241000	2	Washer M10	
6	1001234399	1	Bracket	
7	1001221476	1	Rod, Threaded	
8	1001221475	1	Spring	
9	1001209280	1	Latch	

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FIGURE 4-7. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART_1001176739_G

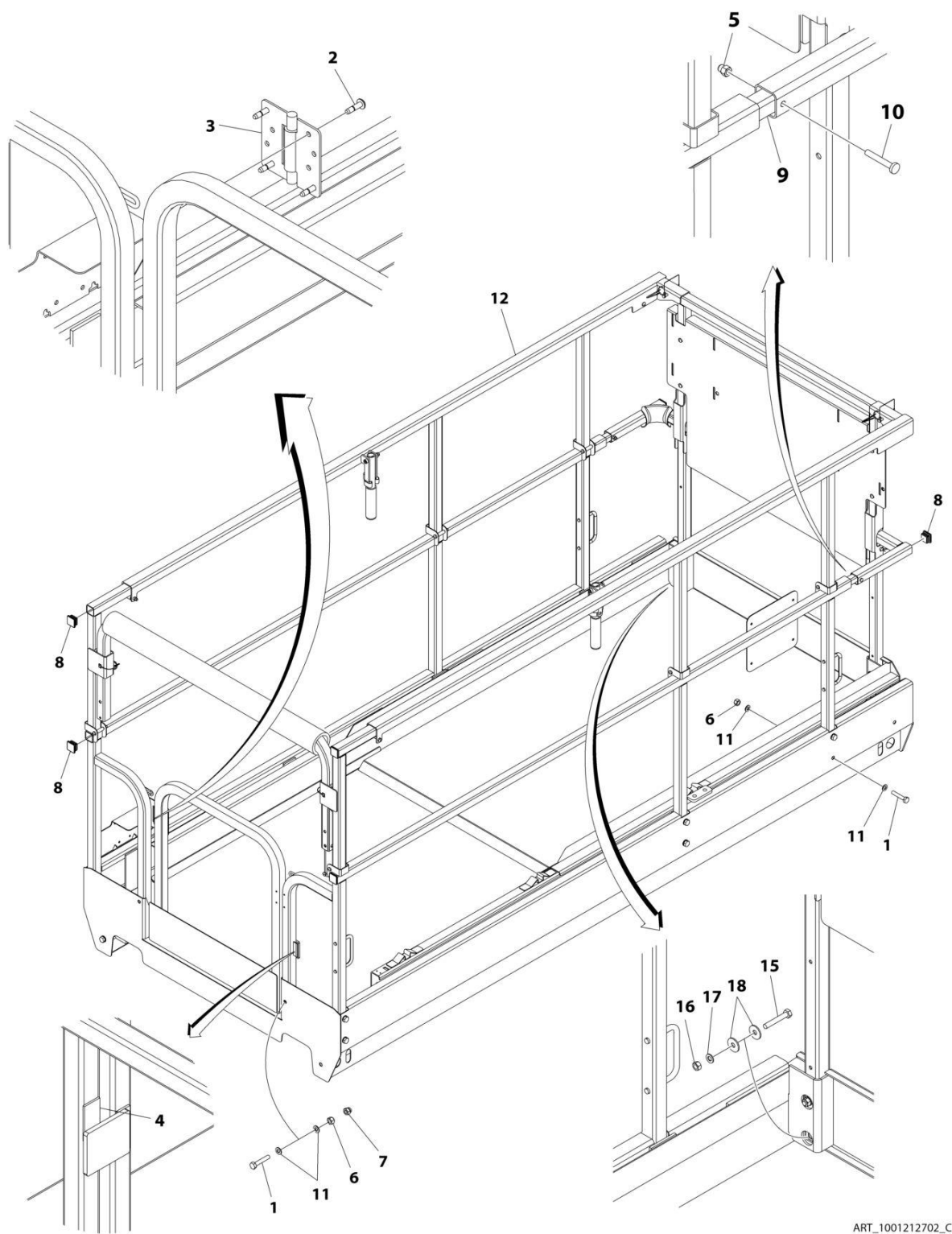
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FIGURE 4-7. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176739	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE	G
1	0701019	12	Bolt M10 x 55	
2	2080040	8	Fastener, Huck	
3	2600281	2	Hinge	
4	1001179420	1	Rail Kit - With Inside Extension Rails and Self Closing Gate (See Separate Breakdown in this Section)	
5	3080007	1	Magnet	
6	3290606	2	Nut M6	
7	3291005	12	Nut M10	
8	3291006	2	Nut M10	
9	3520072	6	Plug	
10	3841716	2	Rod, Fiberglass	
11	4010616	2	Screw M6 x 40	
13	4812000	28	Washer M10	
14	0701018	6	Bolt M10 x 50	
16	0700818	4	Bolt M8 x 50	
17	3290807	4	Nut M8	
18	4811900	4	Washer M8	
19	4811902	8	Washer M8	

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FIGURE 4-8. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE



ART_1001212702_C

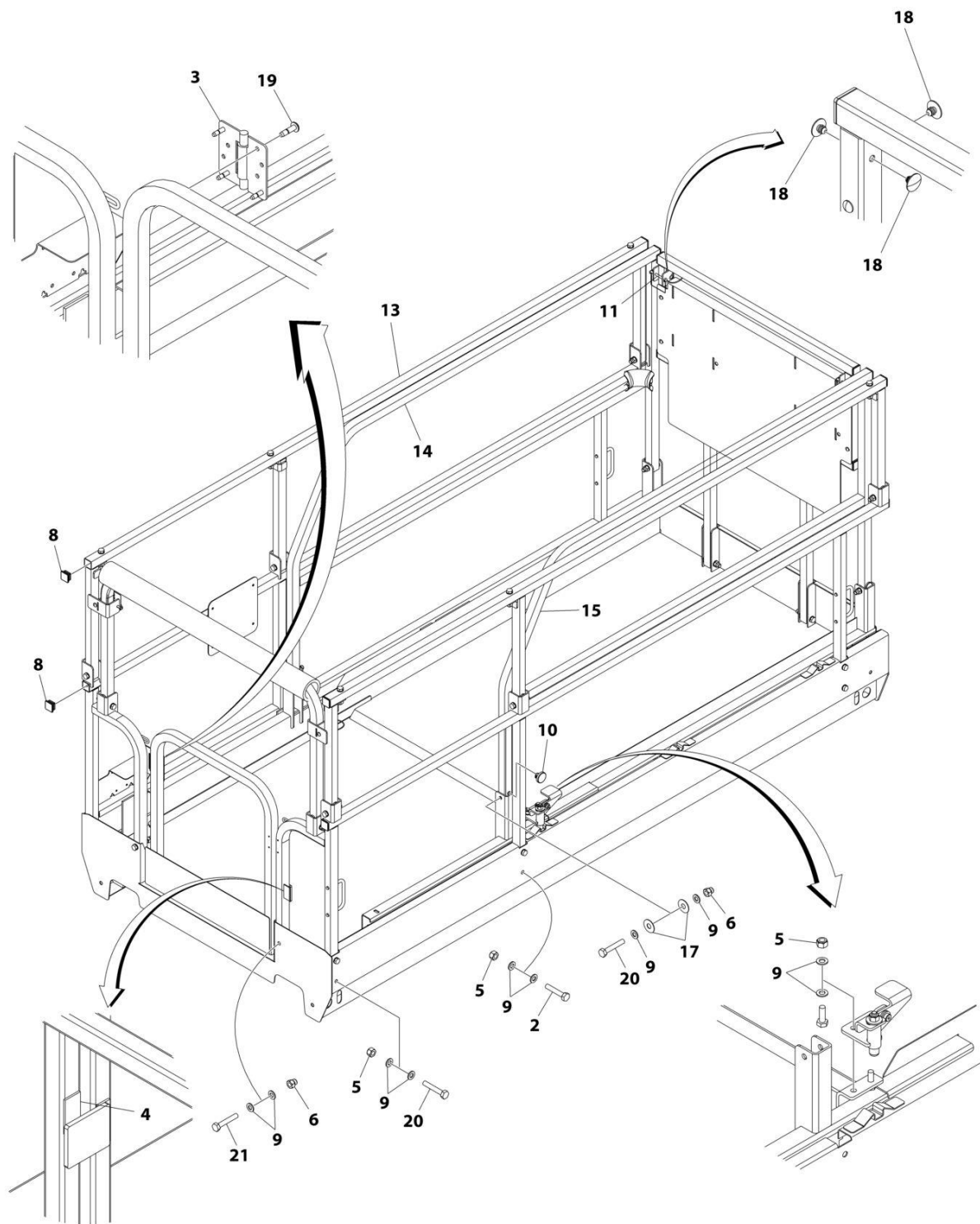
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FIGURE 4-8. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212702	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE	C
1	0701019	14	Bolt M10 x 55	
2	2080040	8	Fastener, Huck	
3	2600281	2	Hinge	
4	3080007	1	Magnet	
5	3290606	2	Nut M6	
6	3291005	14	Nut M10	
7	3300477	2	Nut	
8	3520072	6	Plug	
9	3841716	2	Rod, Fiberglass	
10	4010616	2	Screw M6 x 40	
11	4812000	28	Washer M10	
12	1001212873	1	Rail Kit - With Inside Extension Rails, Handle and Self Closing Gate (See Separate Breakdown in this Section)	
15	0700818	4	Bolt M8 x 50	
16	3290807	4	Nut M8	
17	4811900	4	Washer M8	
18	4811902	8	Washer M8	

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FIGURE 4-9. RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART_1001209251_D

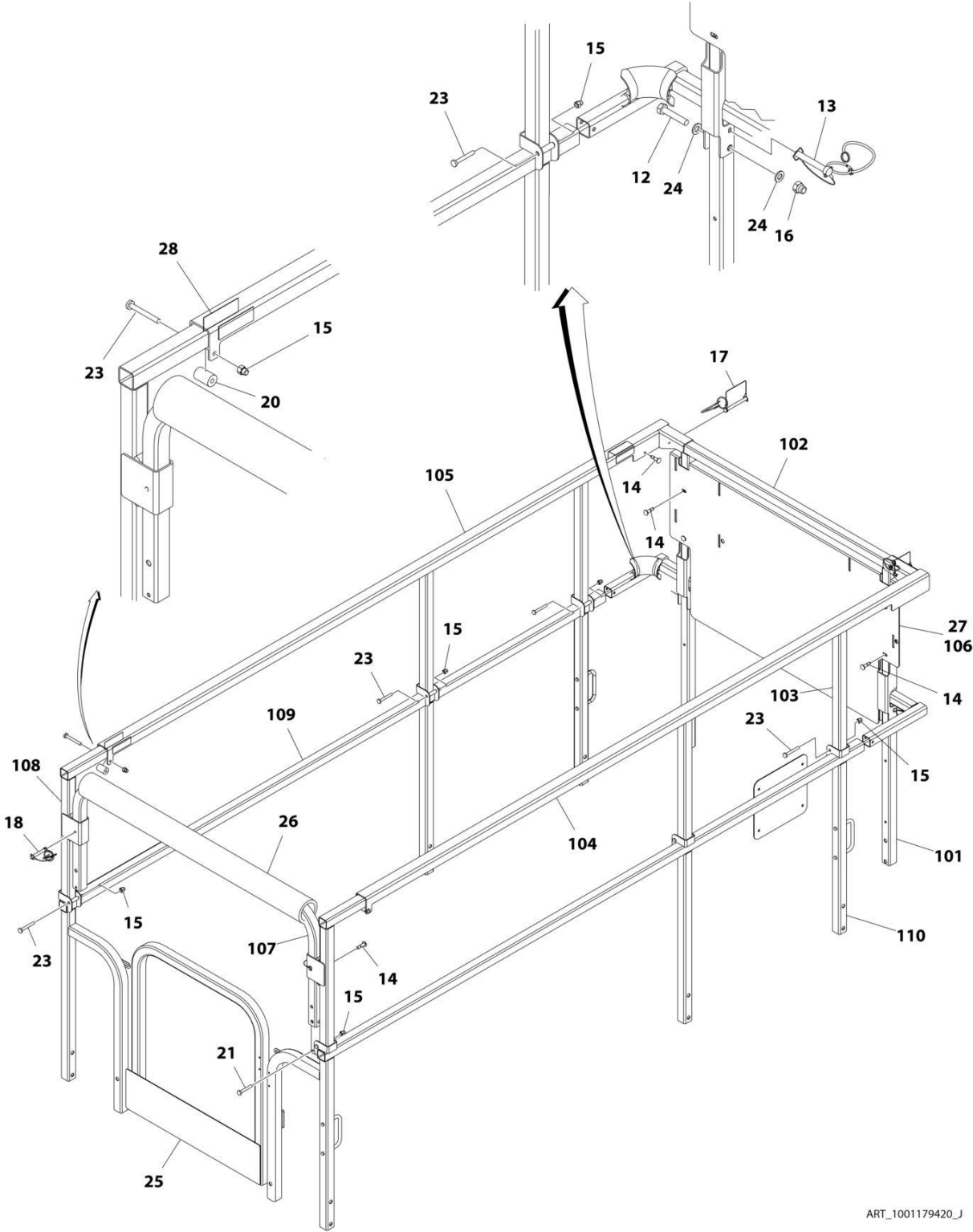
SECTION 4 - PLATFORM

FIGURE 4-9. RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209251	Ref	RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE	D
2	0701019	4	Bolt M10 x 55	
3	2600281	2	Hinge	
4	3080007	1	Magnet	
5	3291005	14	Nut M10	
6	3291006	8	Nut M10	
8	3520072	14	Plug	
9	4812000	44	Washer M10	
10	1001137675	4	Bumper	
11	1001187587	2	Pin, Snap	
13	1001218388	1	Rail Kit - With Outside Extension Rails and Self Closing Gate (See Separate Breakdown in this Section)	
14	1001209254	1	Rail, Left	
15	1001209255	1	Rail, Right	
17	1001211895	28	Plate, Washer	
18	1001211896	12	Bumper	
19	2080040	10	Fastener, Huck	
20	0701020	14	Bolt M10 x 60	
21	0701018	2	Bolt M10 x 50	

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FIGURE 4-10. RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE



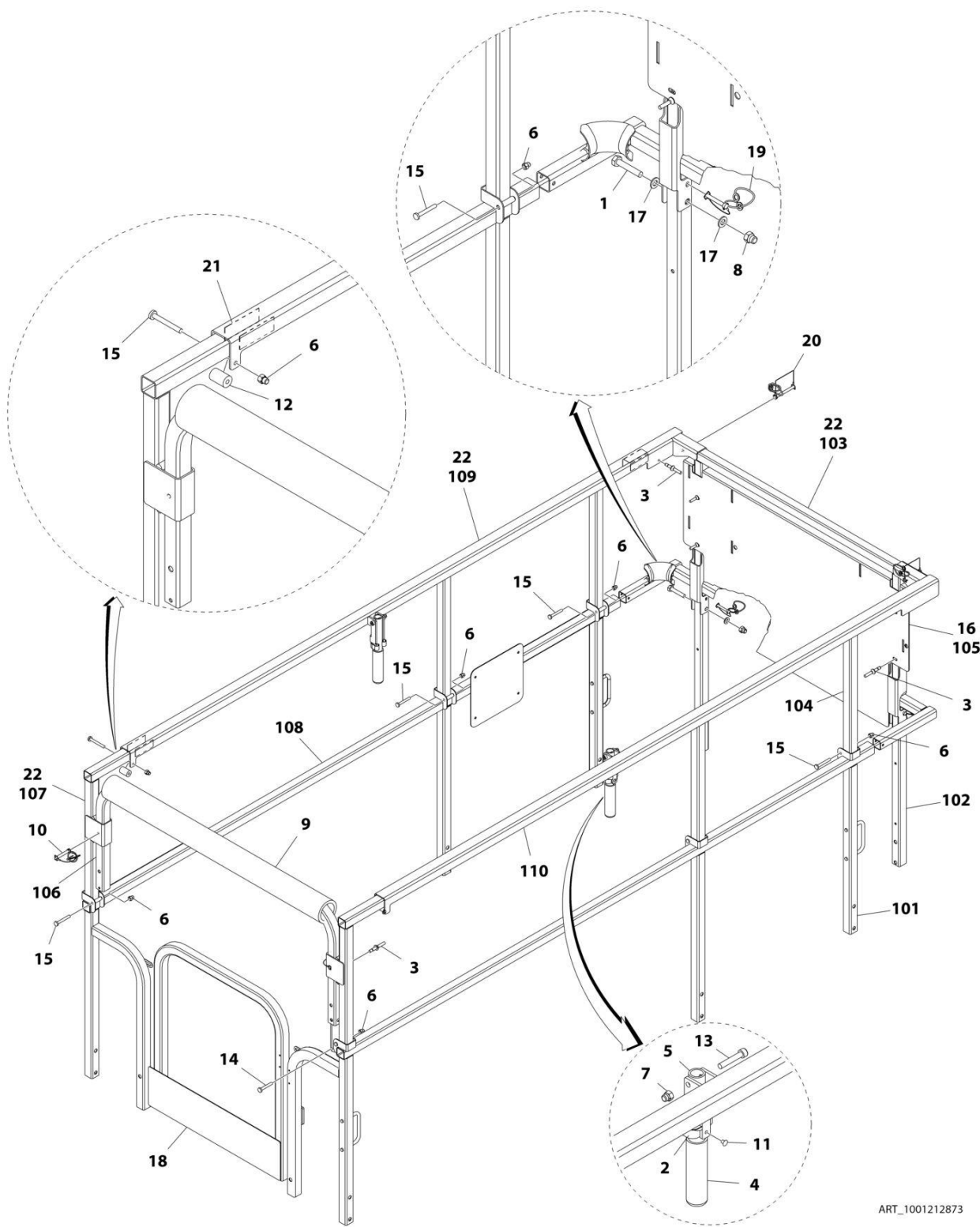
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FIGURE 4-10. RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179420	Ref	RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE	J
12	0701019	2	Bolt M10 x 55	
13	1001187585	2	Lanyard	
14	2080040	8	Fastener, Huck	
15	3290606	9	Nut M6	
16	3291006	2	Nut M10 Grade 8	
17	1001187587	2	Pin, Snap	
18	3423278	2	Pin, Snap	
20	3860111	2	Roller	
21	4010616	1	Screw M6 x 40	
23	4010618	8	Screw M6 x 50	
24	4812000	4	Washer M10	
25	4846723	1	Gate	
26	3340612	36 in /91cm	Pad, Black Nylon Cover	
27	4420037	1	Tape, Insulation	
28	1001189762	AR	Tape	
100	1001247080	1	Rail Kit Less Hardware (Not Shown - Includes Items 101-110)	A
101	1001179402	1	Rail, Mid Bottom	
102	1001179409	1	Rail, Mid Top	
103	1001179410	1	Rail, Right Top	
104	1001179411	1	Rail, Top RH	
105	1001179414	1	Rail, Top LH	
106	1001179415	1	Plate, Placard	
107	1001179417	1	Tube, Drywall Gate	
108	1001179437	1	Rail, Left Top	
109	1001247084	1	Rail, Left Bottom	
110	1001247085	1	Rail, Right Bottom	

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FIGURE 4-11. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE



ART_1001212873

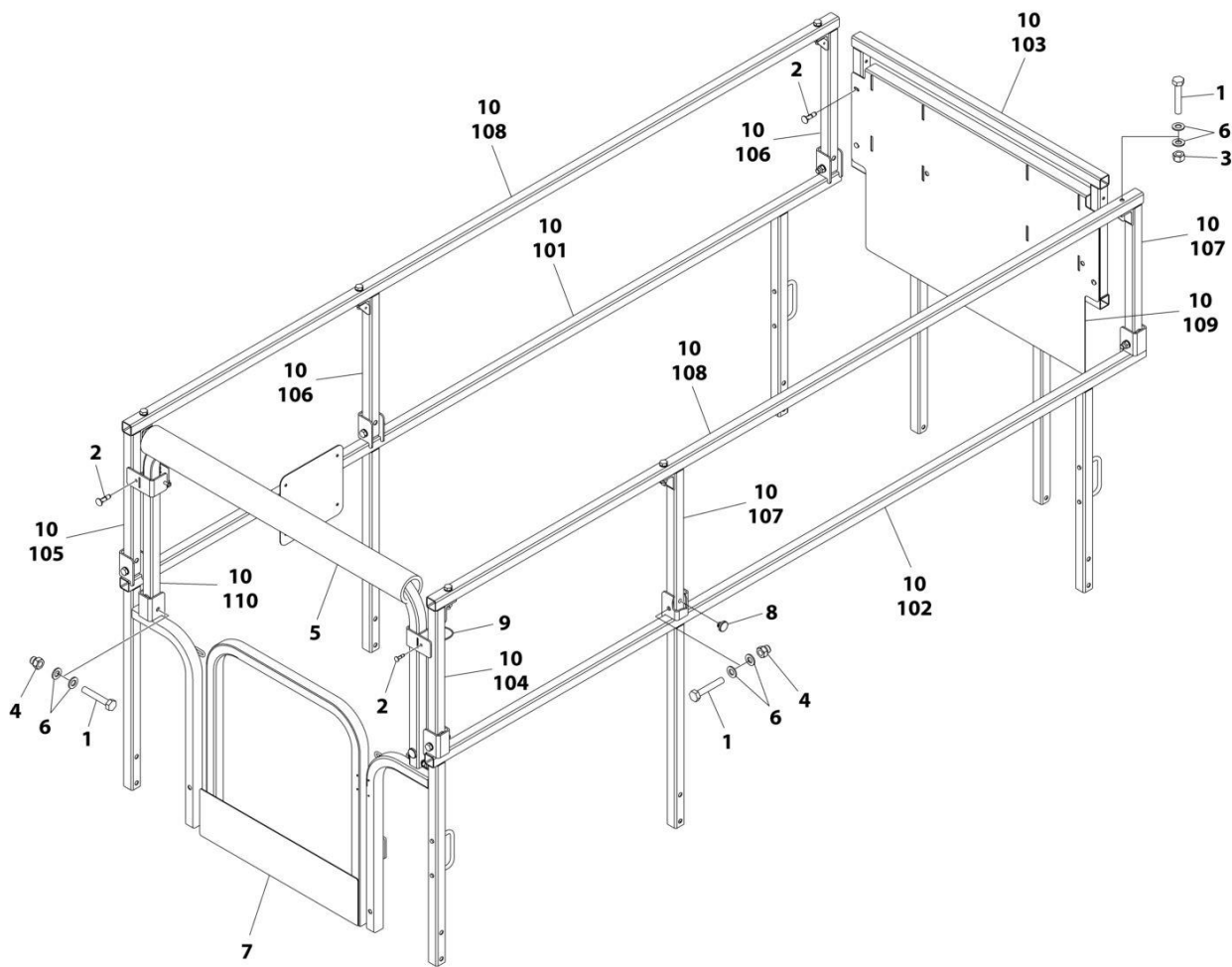
SECTION 4 - PLATFORM

FIGURE 4-11. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212873	Ref	RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE	A
1	0701019	2	Bolt M10 x 55	
2	1380132	2	Clip, Gripper	
3	2080040	8	Fastener, Huck	
4	2560088	2	Handle	
5	2560190	2	Handle, Platform	
6	3290606	9	Nut M6	
7	3290806	2	Nut M8	
8	3291006	2	Nut M10 Grade 8	
9	3340612	3 ft/0.9m	Pad, Cover	
10	3423278	2	Pin, Snap	
11	3820019	2	Rivet	
12	3860111	2	Roller	
13	3900345	2	Screw	
14	4010616	1	Screw M6 x 40	
15	4010618	8	Screw M6 x 50	
16	4420037	1	Tape, Insulation	
17	4812000	4	Washer M10	
18	4846723	1	Gate	
19	1001187585	2	Pin, Snap	
20	1001187587	2	Pin, Snap	
21	1001189762	AR	Tape	
22	1001212874	1	Rail Kit (See Items 101-110 for Breakdown)	
	1001212874	Ref	RAIL KIT	C
101	1001179400	1	Rail, Right Bottom	
102	1001179402	1	Rail, Mid Bottom	
103	1001179409	1	Rail, Mid Top	
104	1001179410	1	Rail, Right Top	
105	1001179415	1	Plate, Placard	
106	1001179417	1	Tube, Drywall Gate	
107	1001179437	1	Rail, Left Top	
108	1001179442	1	Rail, Left Bottom	
109	1001212875	1	Rail, Top LH Slide	
110	1001212876	1	Rail, Top RH Slide	

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FIGURE 4-12. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART_1001218388

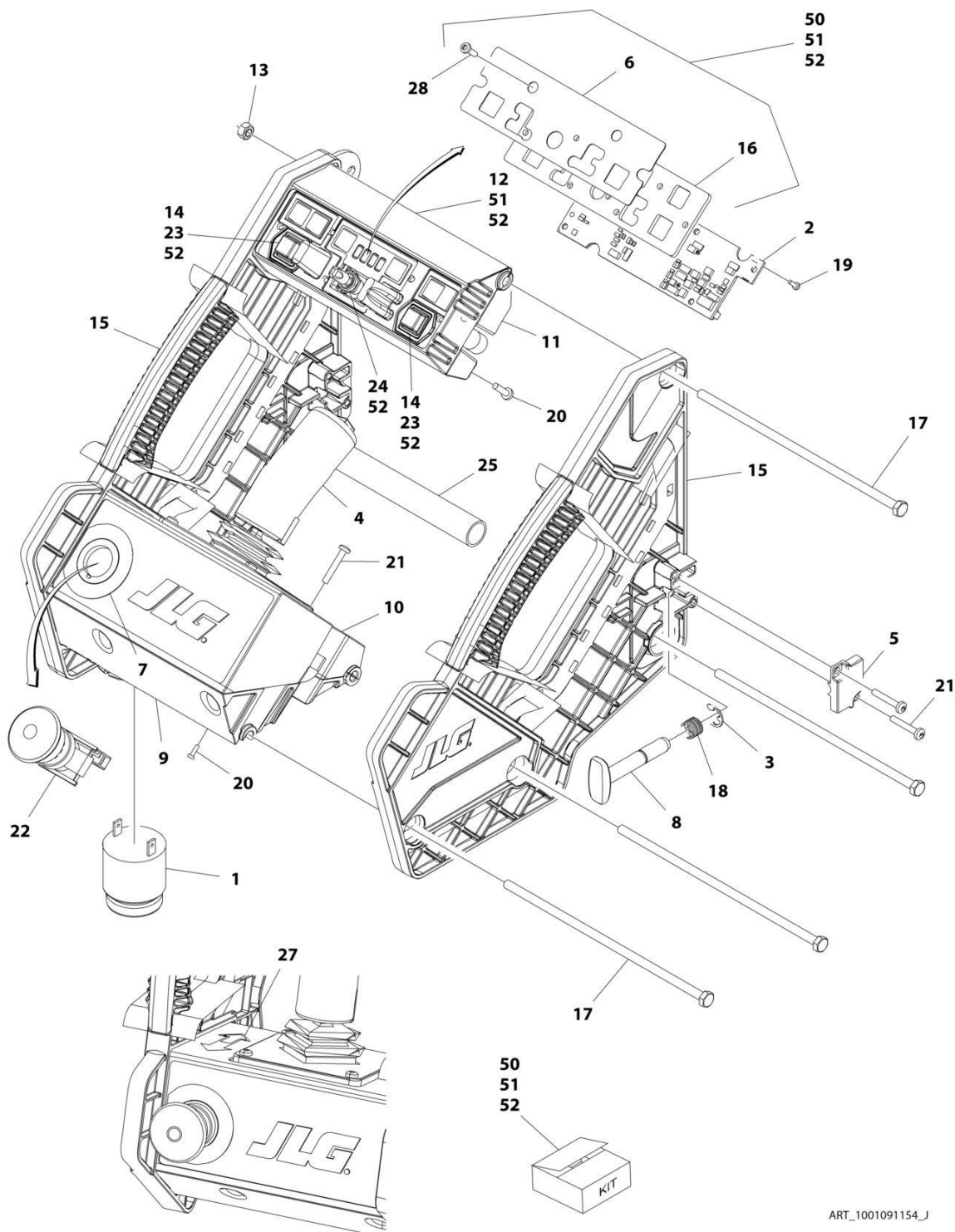
SECTION 4 - PLATFORM

FIGURE 4-12. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001218388	Ref	RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE	B
1	0701020	14	Bolt M10 x 60	
2	2080040	6	Fastener, Huck	
3	3291005	6	Nut M10	
4	3291006	8	Nut M10	
5	3340612	3 ft/0.9m	Pad, Cover	
6	4812000	28	Washer M10	
7	4846723	1	Gate	
8	1001137675	8	Bumper	
9	1001187587	2	Pin, Snap	
10	1001209265	1	Rail Kit (See Items 101-110 for Breakdown)	
	1001209265	Ref	RAIL KIT	C
101	1001209266	1	Rail, Left Bottom	
102	1001209267	1	Rail, Right Bottom	
103	1001209269	1	Rail, Mid Top	
104	1001209270	1	Rail, Right Entrance	
105	1001209271	1	Rail, Left Entrance	
106	1001209272	2	Rail, Support	
107	1001209273	2	Rail, Support	
108	1001209274	2	Rail, Top	
109	1001209275	1	Plate, Placard	
110	1001210378	1	Tube, Drywall Gate	

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FIGURE 4-13. PLATFORM CONSOLE ASSEMBLY



ART_1001091154_J

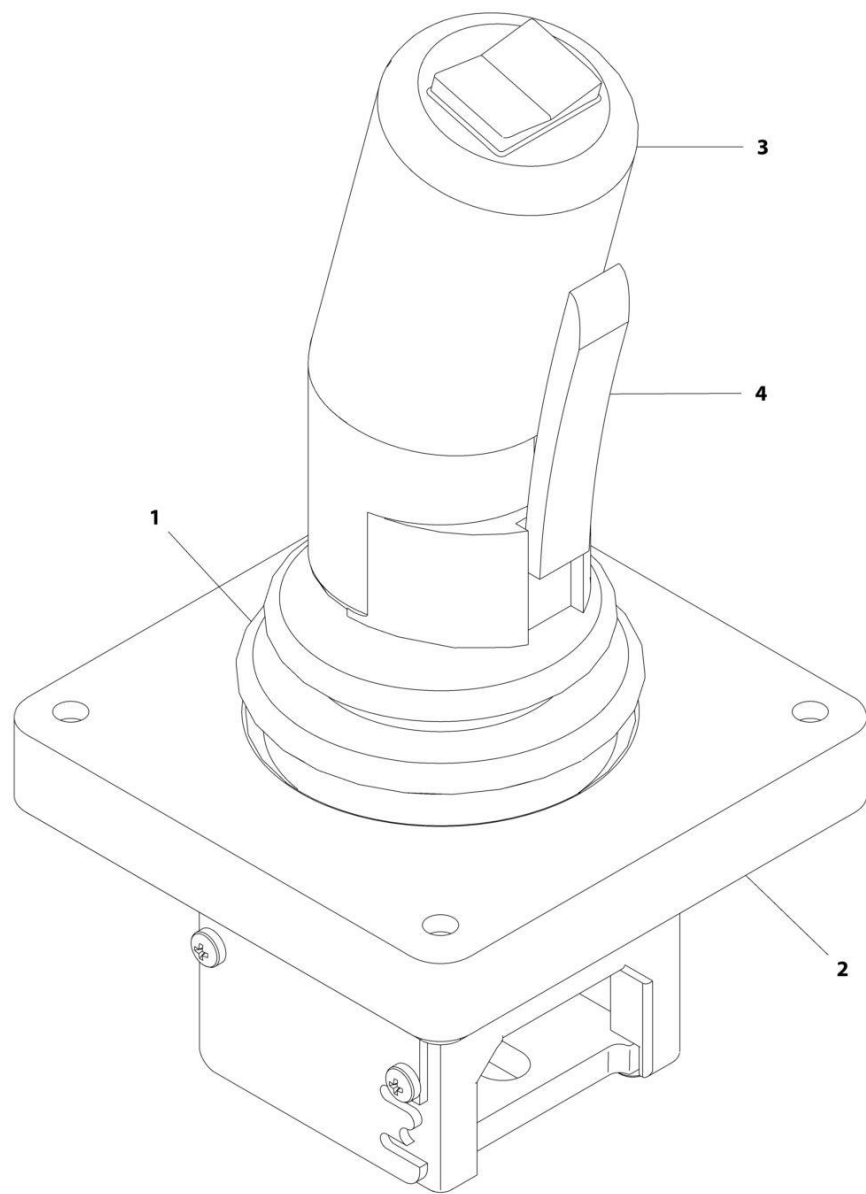
SECTION 4 - PLATFORM

FIGURE 4-13. PLATFORM CONSOLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091154	Ref	PLATFORM CONSOLE ASSEMBLY	J
1	0140011	1	Alarm	
2	1600439	1	PC Board	
3	1380156	1	E-Clip	
4	1600402	1	Drive/Steer Controller Assembly (See Separate Breakdown in this Section)	
5	1671098	1	Latch	
6	1001091275	1	Decal - Icon	
7	1705676	1	Decal - Emergency Stop Ring	
8	2560179	1	Handle, Latch	
9	1001091277	1	Housing, Joystick (Lower)	
10	1001091278	1	Mount, Joystick	
11	1001091279	1	Housing, Module Mounting (Lower)	
12	1001091280	1	Housing, Module Mounting (Upper)	
13	3300473	4	Nut M6	
14	3340968	2	Button (Includes Black Button Only)	
15	3380475	2	Panel, Side	
16	1001091283	1	Plate, Decal	
17	3900333	4	Screw M6 x 190	
18	4160203	1	Spring, Compression	
19	4191306	5	Screw M3.5 x 12	
20	4191407	8	Screw M4 x 16	
21	4191409	6	Screw M4 x 25	
22	4360475	1	Switch, Emergency Stop	
22	7020175	1	Cap	
22	7020176	1	Block, Contact	
23	4360538	2	Strip, Switch and Membrane	
24	4360539	1	Switch, Toggle	
25	4568738	1	Tube, Spacer	
26	4922870	1	Harness, Platform Box (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
27	1703819	1	Decal - Directional Arrow	
28	1001091396	6	Screw M3.5 x 12	
29	See Note	NSS	Decal - Control Module (Not Shown - Located on Bottom of Box) (Note: Not Available for Purchase)	
50	1001091968	1	Decal Kit (Includes Items 6, 16 & 28)	A
51	1001091393	1	Decal and Housing Kit (Includes Items 6, 12, 16 & 28)	C
52	1001091965	1	Decal, Housing and PC Board Kit (Includes Items 2, 6, 12, 14, 16, 19, 23, 24 & 28)	C

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FIGURE 4-14. DRIVE/STEER CONTROLLER ASSEMBLY



ART_1600402

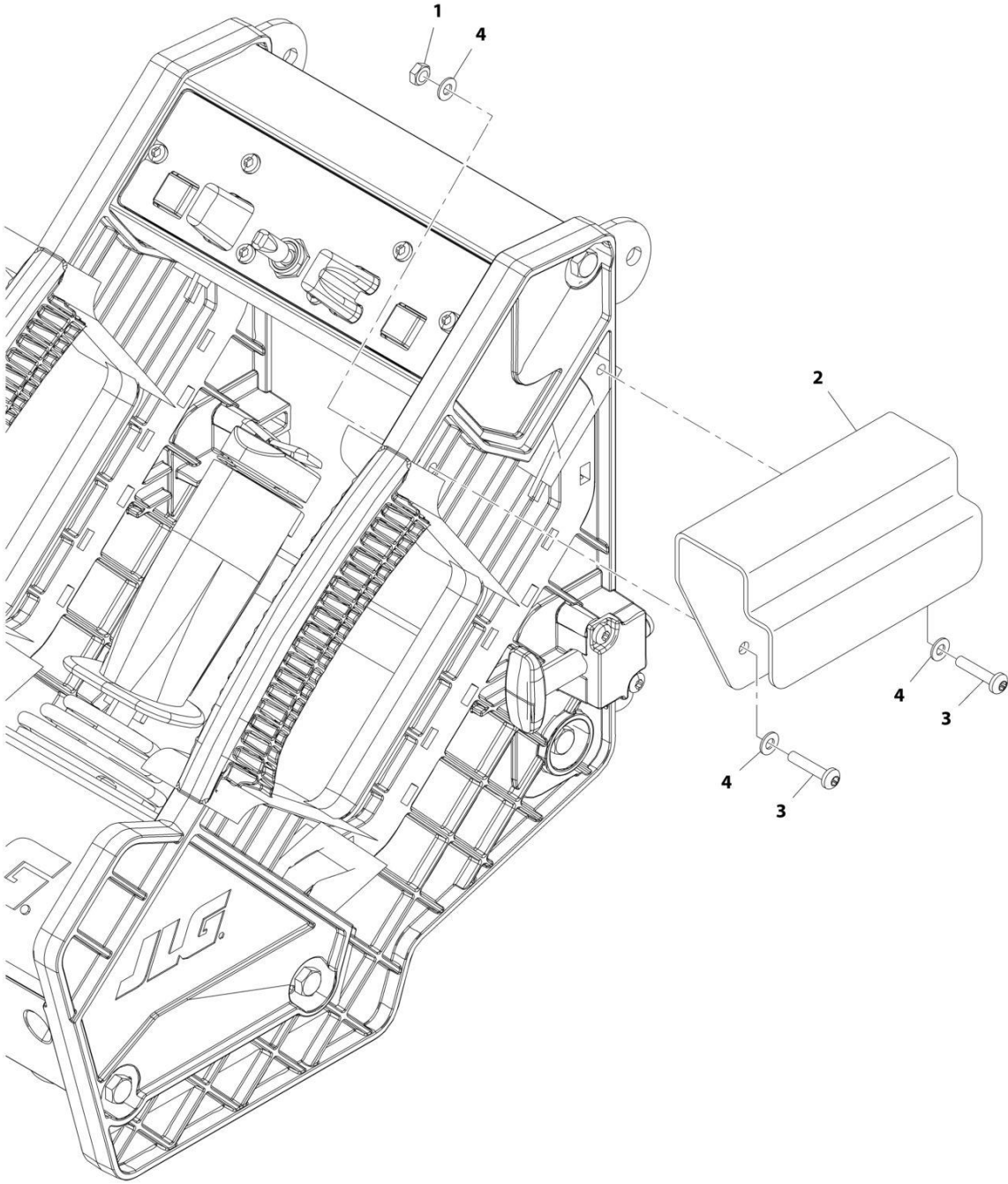
SECTION 4 - PLATFORM

FIGURE 4-14. DRIVE/STEER CONTROLLER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1600402	Ref	DRIVE/STEER CONTROLLER ASSEMBLY	A
1	70001250	1	Boot, Panel	
2	70001252	1	Gasket, Mounting	
2	70001251	1	Bezel, Mounting	
3	70003650	1	Handle Repair Kit (Includes handle gasket, item#4 push button and item #4 lever installed in front handle half, back handle half, top actuator, boot and hardware.)	
3	70000084	1	Cap, Rubber	
3	70000082	1	Microswitch	
3	7027766	1	Ring, Retaining	
3	7027365	1	Actuator, Handle	
3	70001253	1	Gasket, Handle	
3	70000683	4	Washer, Neoprene	
3	70000685	2	Spacer, Plastic	
3	70000686	2	Screw (Top)	
3	70000684	2	Screw (Bottom)	
4	7027367	1	Switch, Push Button	
4	7027765	1	Lever, Enable	

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FIGURE 4-15. PLATFORM CONSOLE HANGER INSTALLATION (OPTIONAL)



ART_0274386

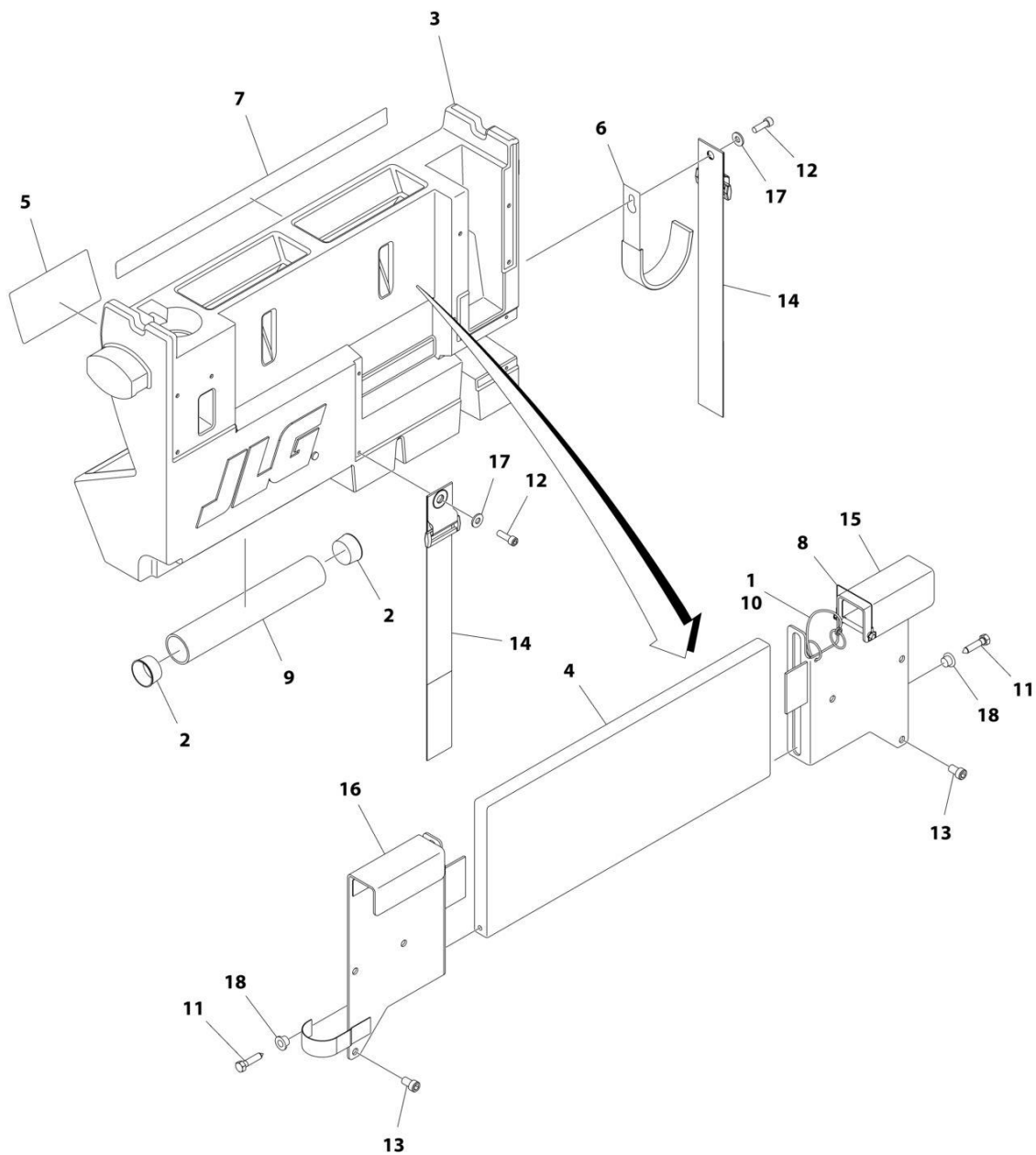
SECTION 4 - PLATFORM

FIGURE 4-15. PLATFORM CONSOLE HANGER INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274386	Ref	PLATFORM CONSOLE HANGER INSTALLATION (OPTIONAL)	B
1	3290405	2	Nut M4	
2	3575794	1	Plate, Bracket	
3	3900338	2	Screw M4 x 20	
4	4811400	4	Washer M4	

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FIGURE 4-16. WORKSTATION WITHOUT DC CONVERTER INSTALLATION



ART_1001246392

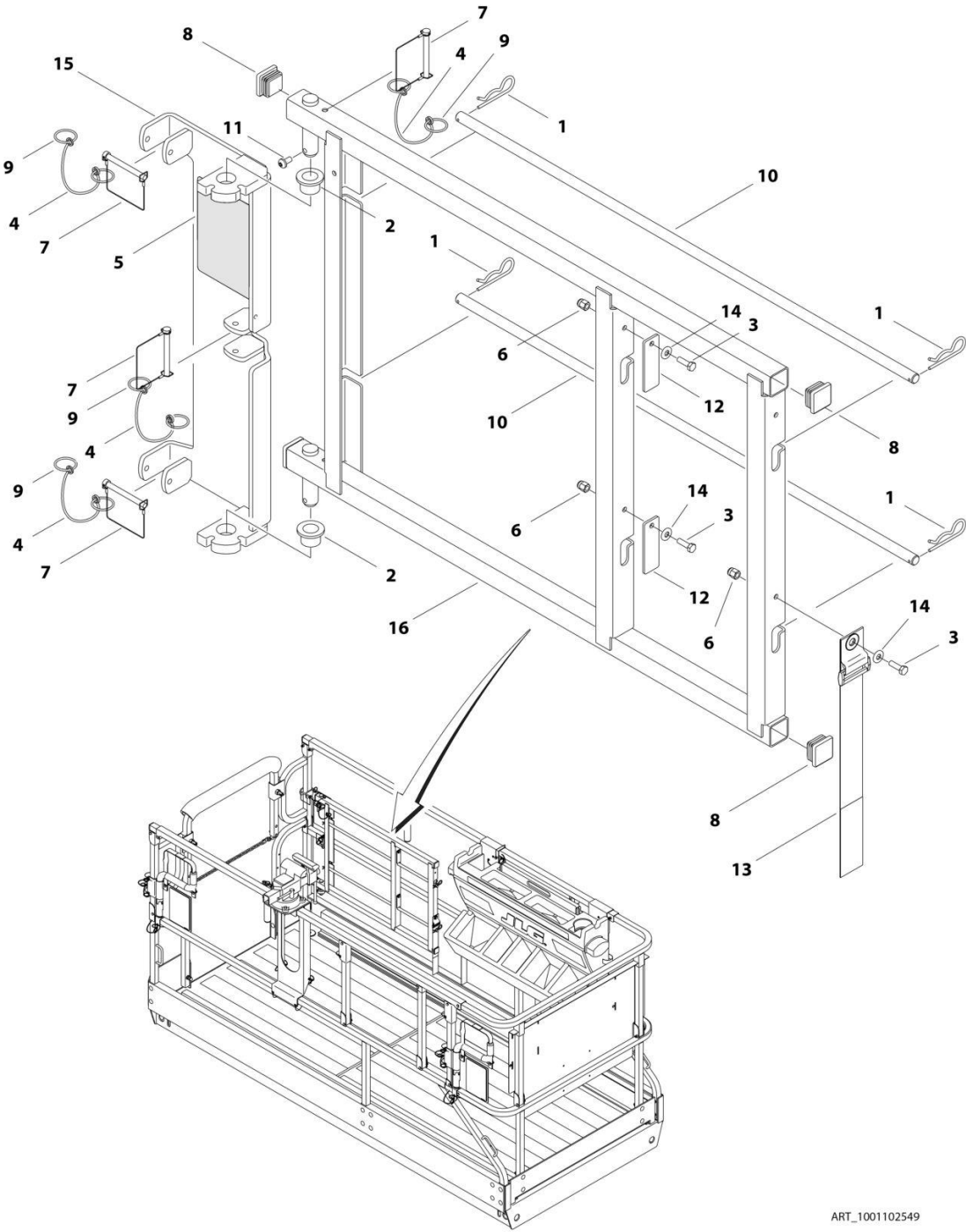
SECTION 4 - PLATFORM

FIGURE 4-16. WORKSTATION WITHOUT DC CONVERTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273965	Ref	WORKSTATION INSTALLATION - REFERENCE CHART	C
	1001246392	Ref	WORKSTATION WITHOUT DC CONVERTER INSTALLATION	B
1	1060379	1	Cable, Lanyard	
2	1120555	2	Cap, Manual Storage	
3	1580023	1	Container	
4	1580024	1	Tray	
5	1705997	1	Decal - Workstation	
6	2700100	1	Hook, Hanger	
7	1001246395	1	Decal - Workstation Kit	
8	3422219	1	Pin	
9	3460334	1	PVC Pipe	
10	3760170	2	Ring	
11	3900355	2	Screw 5/16 x 1-1/2	
12	3931412	2	Bolt 1/4 x 3/4	
13	3931508	6	Bolt 5/16 x 1/2	
14	4240003	2	Strap	
15	4340853	1	Mount, RH Channel	
16	4340854	1	Mount, LH Channel	
17	4711400	2	Washer 1/4	
18	4740480	2	Insert, Plastic	

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FIGURE 4-17. ELECTRICIAN'S TREE INSTALLATION



ART_1001102549

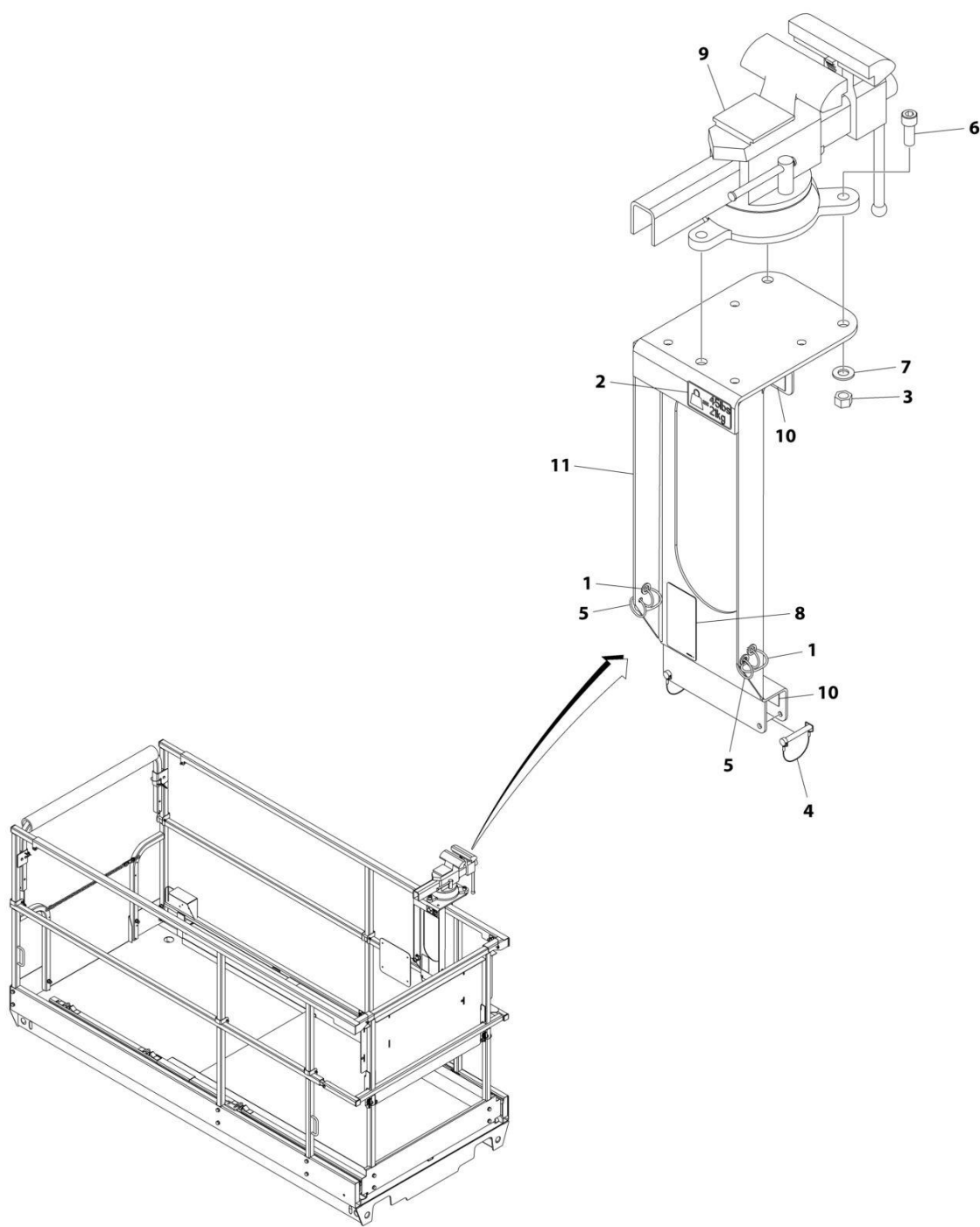
SECTION 4 - PLATFORM

FIGURE 4-17. ELECTRICIAN'S TREE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001102549	Ref	ELECTRICIAN'S TREE INSTALLATION	B
1	80325	4	Hairpin, Cotter	
2	0440223	2	Bushing	
3	0700610	3	Bolt M6 x 20	
4	1060379	3	Cable, Lanyard	
5	2902347	1	Decal – Electrician's Tree Kit	
6	3290606	3	Nut M6	
7	3422219	4	Pin	
8	3520072	5	Plug	
9	3760170	8	Ring	
10	3841667	2	Rod, Spool	
11	4191706	1	Screw M6 x 12	
12	4220227	2	Stop, Spool Rod	
13	4240003	1	Strap	
14	4711400	3	Washer 1/4	
15	1001102516	1	Mount, Base Pivot	
16	1001102562	1	Mount, Spool Rack	

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FIGURE 4-18. VISE INSTALLATION (ELECTRICAL, PLUMBERS AND PLANT PACKAGE)



ART_1001190138

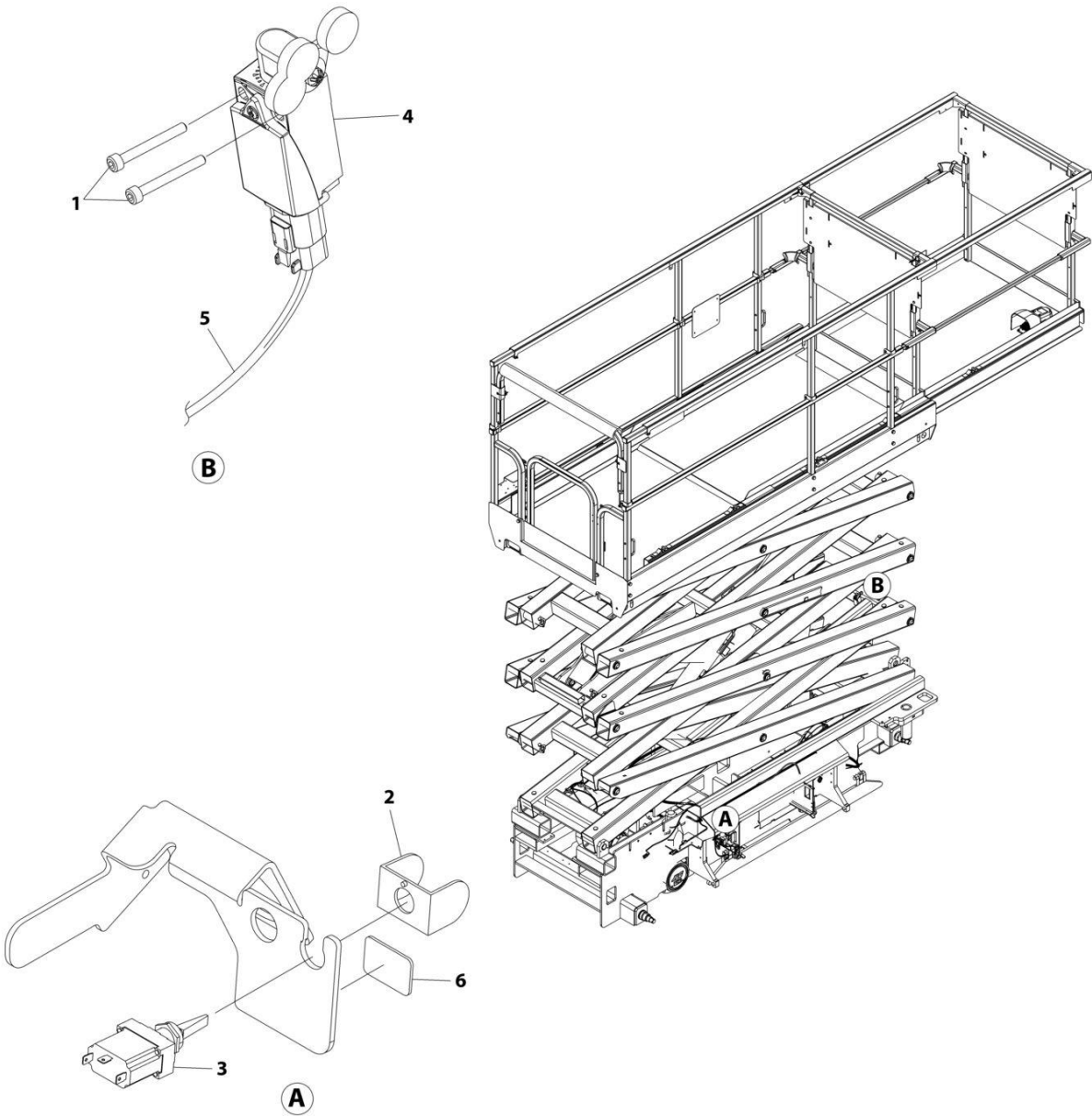
SECTION 4 - PLATFORM

FIGURE 4-18. VISE INSTALLATION (ELECTRICAL, PLUMBERS AND PLANT PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190138	Ref	WISE INSTALLATION (ELECTRICAL, PLUMBERS AND PLANT PACKAGE)	B
1	1060379	2	Cable, Lanyard	
2	1705985	1	Decal - Weight	
3	3271805	3	Nut 1/2-13	
4	3421453	2	Pin	
5	3760170	4	Ring	
6	3931820	3	Bolt 1/2-13 x 1-1/4	
7	4711800	3	Washer 1/2	
8	8005670	1	Decal	
9	1001157050	1	Vise	
10	1001189762	6 in/ 15.2cm	Tape, UHMW	
11	1001190137	1	Mount, Vise	

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FIGURE 4-19. LOW HEIGHT DRIVE CUTOUT (JAPANESE SPECS ONLY)



ART_1001230756

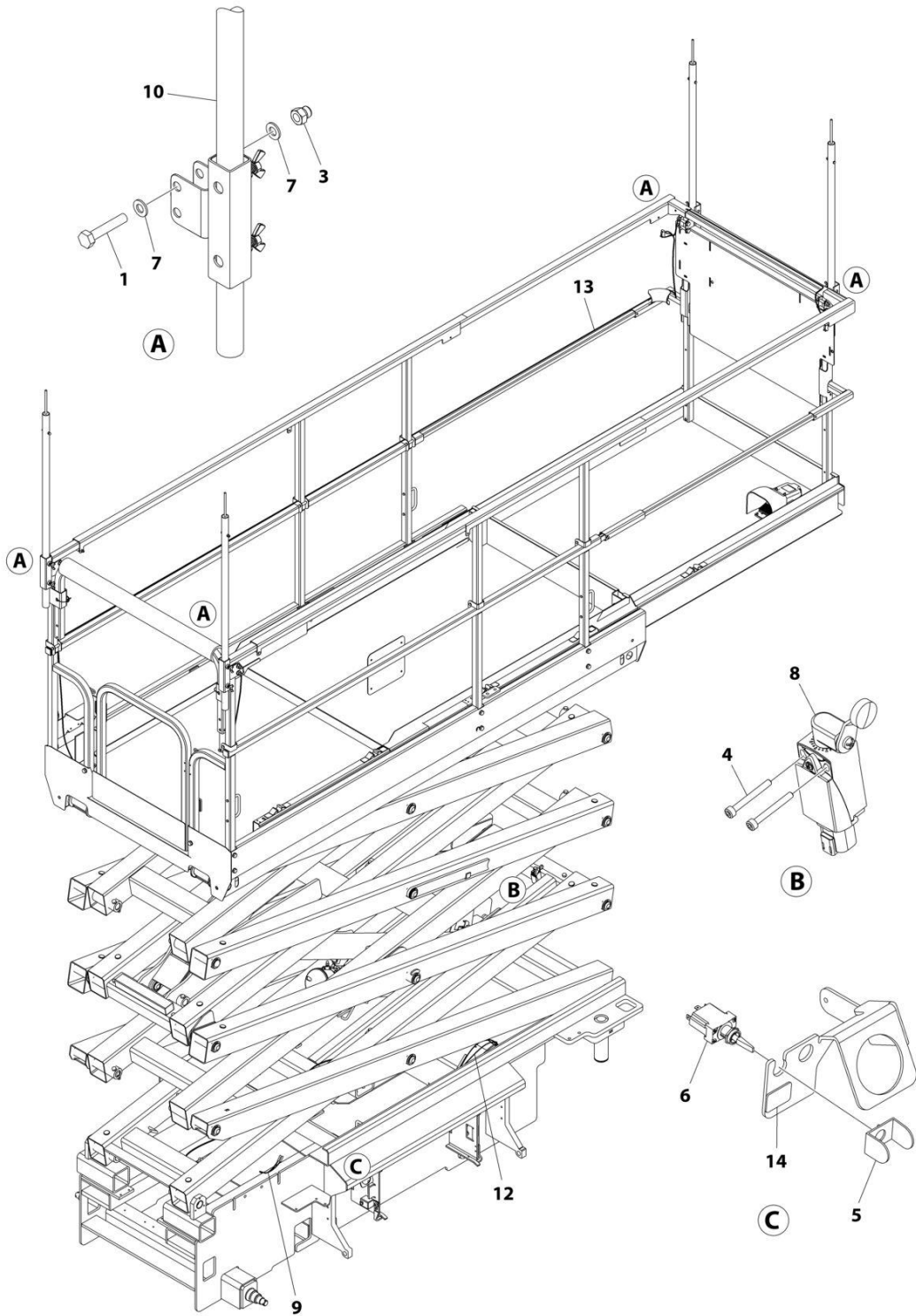
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FIGURE 4-19. LOW HEIGHT DRIVE CUTOUT (JAPANESE SPECS ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230756	Ref	LOW HEIGHT DRIVE CUTOUT	A
1	4031511	2	Capscrew M4 x 35	
2	4060906	1	Guard, Switch	
3	4360345	1	Switch	
4	1001130614	1	Switch, Limit	
5	1001214339	1	Harness, Low Height	
5	4460884	3	Connector - 4 Position	
5	4460465	6	Socket, Female	
5	4460466	6	Seal	
5	4460932	2	Connector - 4 Position	
5	4460464	3	Pin, Male	
5	4460466	5	Seal	
5	4460418	1	Connector - 6 Position	
5	4460419	3	Terminal	
6	1001214409	1	Decal - Low Drive Cutout	

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FIGURE 4-20. OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY)
(PVC 1910)



ART_1001214121_B

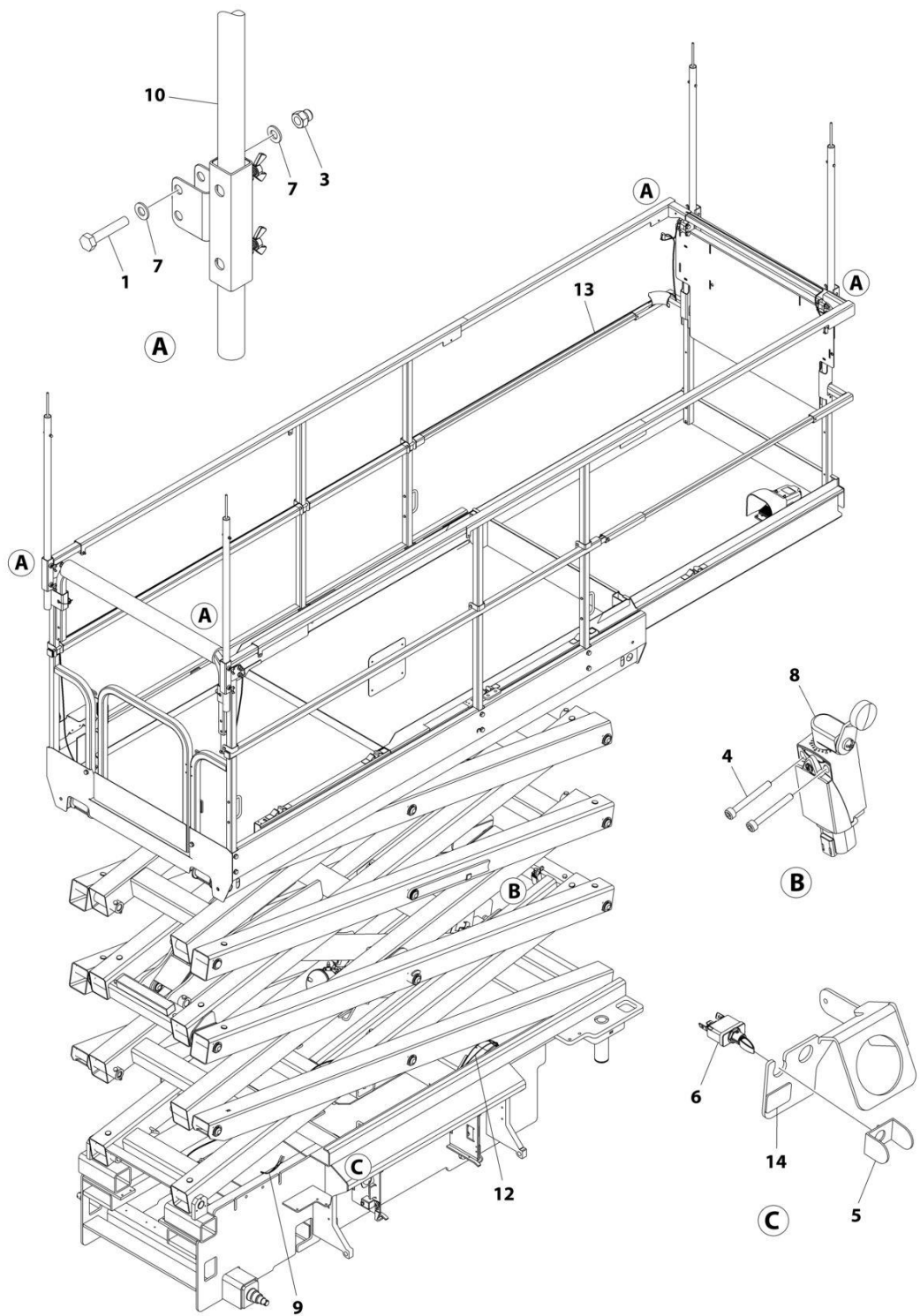
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**FIGURE 4-20. OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY)
(PVC 1910)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214121	Ref	OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT	B
1	0701019	8	Bolt M10 x 55	
3	3291006	8	Nut M10	
4	4031511	2	Capscrew M4 x 35	
5	4060906	1	Guard, Switch	
6	4360345	1	Switch	
7	4812000	16	Washer #10	
8	1001130614	1	Switch, Limit	
9	1001213660	1	Harness, Overhead	
9	4460424	1	Connector, Female - 2 Position	
9	4460227	1	Pin, Male	
9	4460320	1	Plug, Male - 2 Position	
9	4460226	1	Socket, Female	
10	1001214311	2	Overhead Switch Kit (Front) (See Separate Breakdown in this Section)	
11	1001214311	2	Overhead Switch Kit (Rear) (See Separate Breakdown in this Section)	
12	1001214339	1	Harness, Low Height	
12	4460884	3	Connector - 4 Position	
12	4460465	6	Socket, Female	
12	4460466	6	Seal	
12	4460932	2	Connector - 4 Position	
12	4460464	3	Pin, Male	
12	4460466	5	Seal	
12	4460418	1	Connector - 6 Position	
12	4460419	3	Terminal	
13	1001214342	1	Cable, Overhead Switches	
13	4460891	1	Connector - 2 Position	
13	4460465	8	Socket, Female	
14	1001214409	1	Decal - Low Drive Cutout	

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FIGURE 4-21. OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY)
(PVC 2004)



ART_1001214121_C

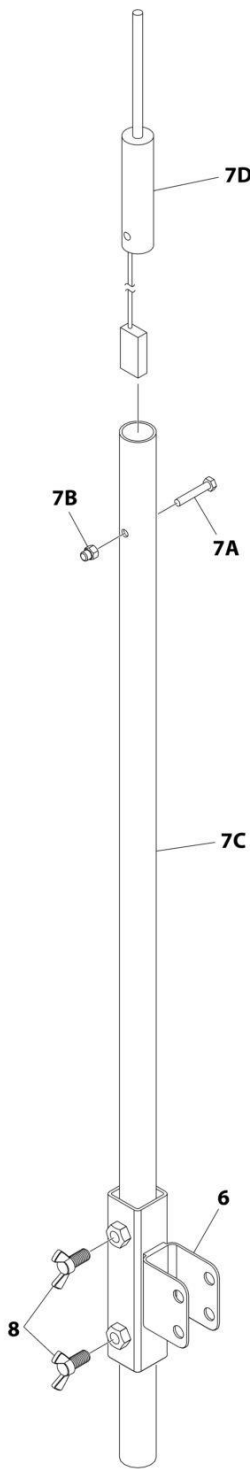
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**FIGURE 4-21. OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY)
(PVC 2004)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214121	Ref	OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT	C
1	0701019	8	Bolt M10 x 55	
3	3291006	8	Nut M10	
4	4031511	2	Capscrew M4 x 35	
5	4060906	1	Guard, Switch	
6	1001258446	1	Switch	
7	4812000	16	Washer #10	
8	1001130614	1	Switch, Limit	
9	1001213660	1	Harness, Overhead	
9	4460424	1	Connector, Female - 2 Position	
9	4460227	1	Pin, Male	
9	4460320	1	Plug, Male - 2 Position	
9	4460226	1	Socket, Female	
10	1001214311	2	Overhead Switch Kit (Front) (See Separate Breakdown in this Section)	
11	1001214311	2	Overhead Switch Kit (Rear) (See Separate Breakdown in this Section)	
12	1001214339	1	Harness, Low Height	
12	4460884	3	Connector - 4 Position	
12	4460465	6	Socket, Female	
12	4460466	6	Seal	
12	4460932	2	Connector - 4 Position	
12	4460464	3	Pin, Male	
12	4460466	5	Seal	
12	4460418	1	Connector - 6 Position	
12	4460419	3	Terminal	
13	1001214342	1	Cable, Overhead Switches	
13	4460891	1	Connector - 2 Position	
13	4460465	8	Socket, Female	
14	1001214409	1	Decal - Low Drive Cutout	

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FIGURE 4-22. OVERHEAD SWITCH KIT (FRONT/REAR)



ART_1001214311

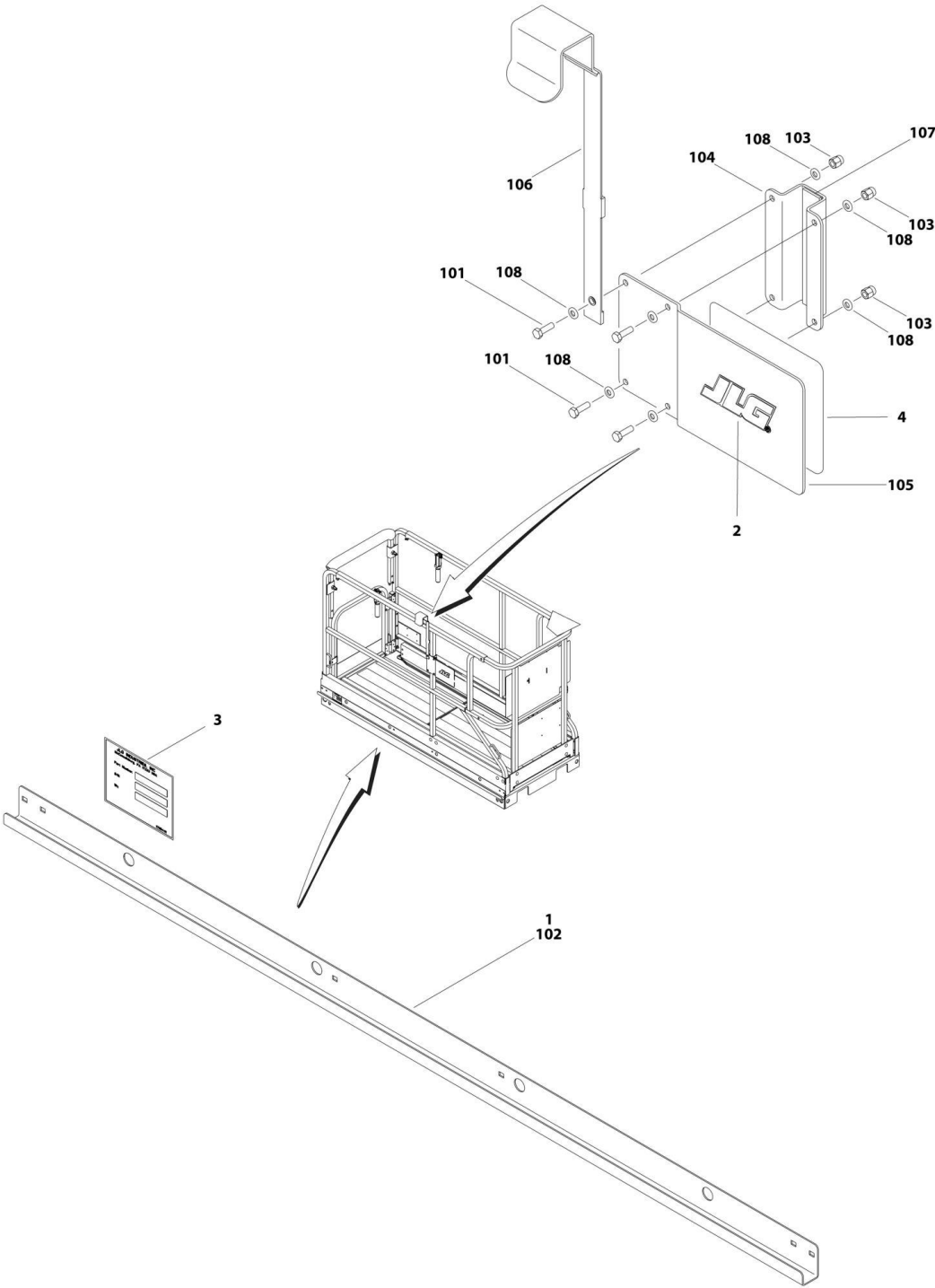
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FIGURE 4-22. OVERHEAD SWITCH KIT (FRONT/REAR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214311	Ref	OVERHEAD SWITCH KIT (FRONT/REAR)	C
6	1001214310	1	Bracket	
7	1001217666	1	Switch Kit (Includes Items 7A-7D)	
7A	0700615	1	Bolt M6 x 35	
7B	3290606	1	Nut M6	
7C	1001213821	1	Tube	
7D	1001213822	1	Switch	
7D	7028909	1	Connector - 2 Position	
7D	77363228	2	Terminal	
8	1001222914	2	Screw, Thumb	

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FIGURE 4-23. PANEL INSTALLATION (ANSI, ANSI EXPORT, CHINA, CSA AND KOREA SPECS)



ART_1001178164

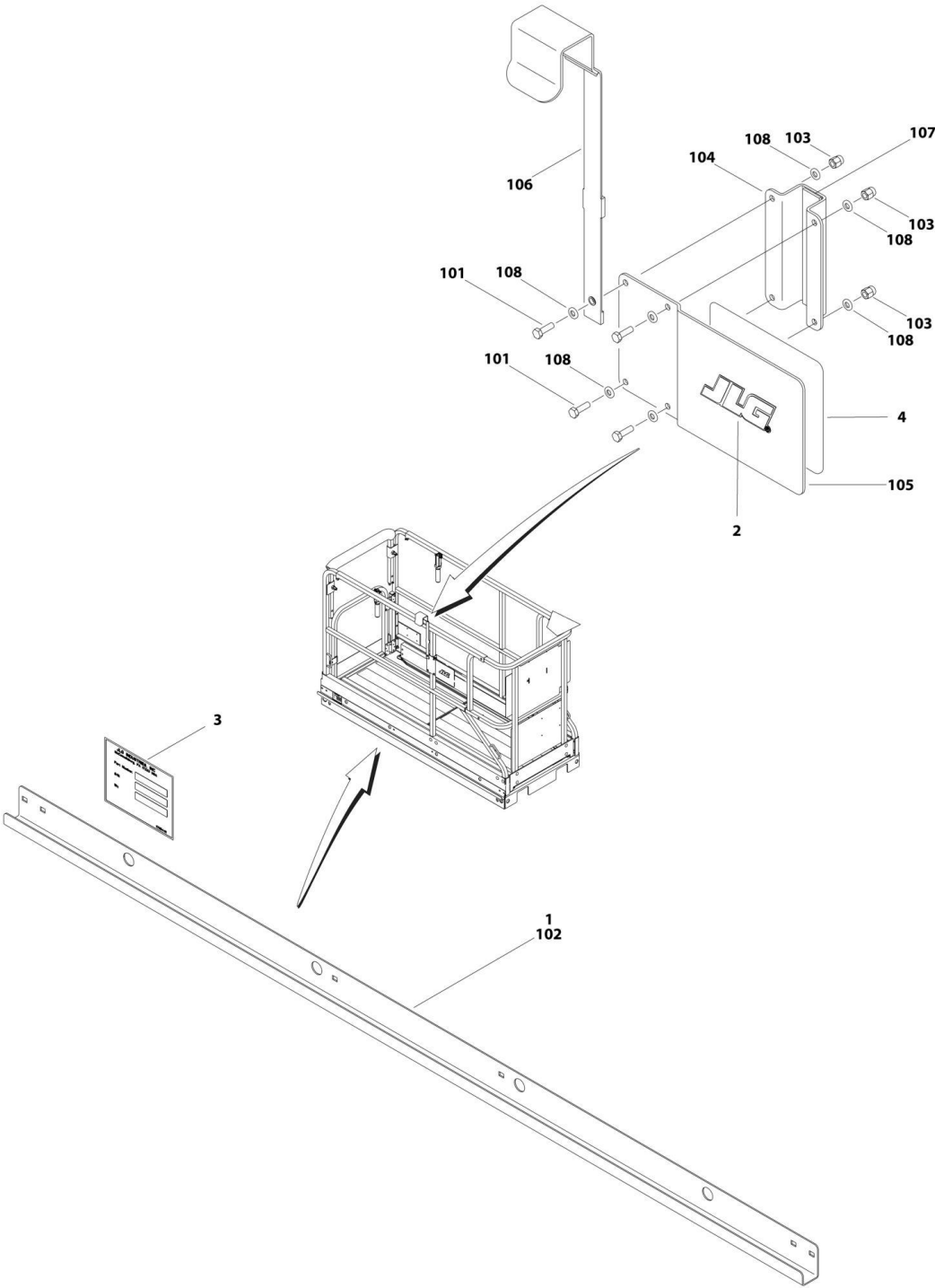
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FIGURE 4-23. PANEL INSTALLATION (ANSI, ANSI EXPORT, CHINA, CSA AND KOREA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178164	Ref	PANEL INSTALLATION	D
1	0240142	1	Attach, Panel Carrier (See Item 101-108 for Breakdown)	
2	1702010	1	Decal - JLG	
3	See Note	1	Nameplate (Note: Not Available for Purchase)	
4	1705792	1	Decal - Capacity	
	0240142	Ref	PANEL CARRIER ATTACHMENT	C
101	0760610	4	Bolt M6 x 20	
102	1271630	1	Channel	
103	3290606	4	Nut M6	
104	3574505	1	Plate, Bracket	
105	3574506	1	Plate, Billboard	
106	4240165	1	Strap, Tie Down	
107	4420037	6	Tape, Insulation	
		in/15.2cm		
108	4811700	8	Washer M6	

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FIGURE 4-24. PANEL INSTALLATION (AUSTRALIAN, CE, CHINA AND JAPANESES SPECS)



ART_1001176756

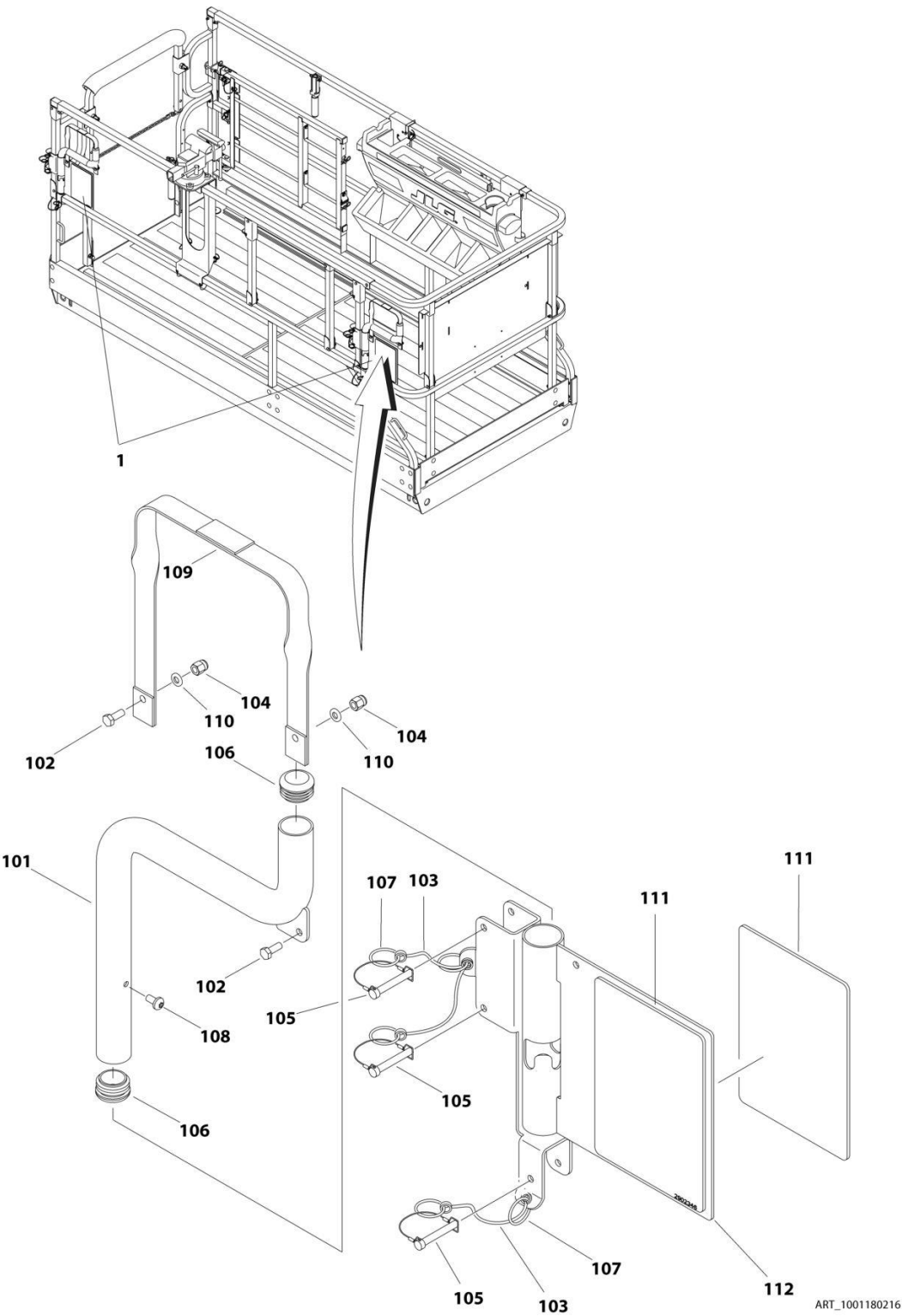
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FIGURE 4-24. PANEL INSTALLATION (AUSTRALIAN, CE, CHINA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176756	Ref	PANEL INSTALLATION	D
1	0240142	1	Attach, Panel Carrier (See Item 101-108 for Breakdown)	
2	1702010	1	Decal - JLG	
3	See Note	1	Nameplate (Note: Not Available for Purchase)	
4	1705793	1	Decal - Capacity	
	0240142	Ref	PANEL CARRIER ATTACHMENT	C
101	0760610	4	Bolt M6 x 20	
102	1271630	1	Channel	
103	3290606	4	Nut M6	
104	3574505	1	Plate, Bracket	
105	3574506	1	Plate, Billboard	
106	4240165	1	Strap, Tie Down	
107	4420037	6 in /15.2cm	Tape, Insulation	
108	4811700	8	Washer M6	

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FIGURE 4-25. PIPE RACKS INSTALLATION (FACTORY INSTALLED)



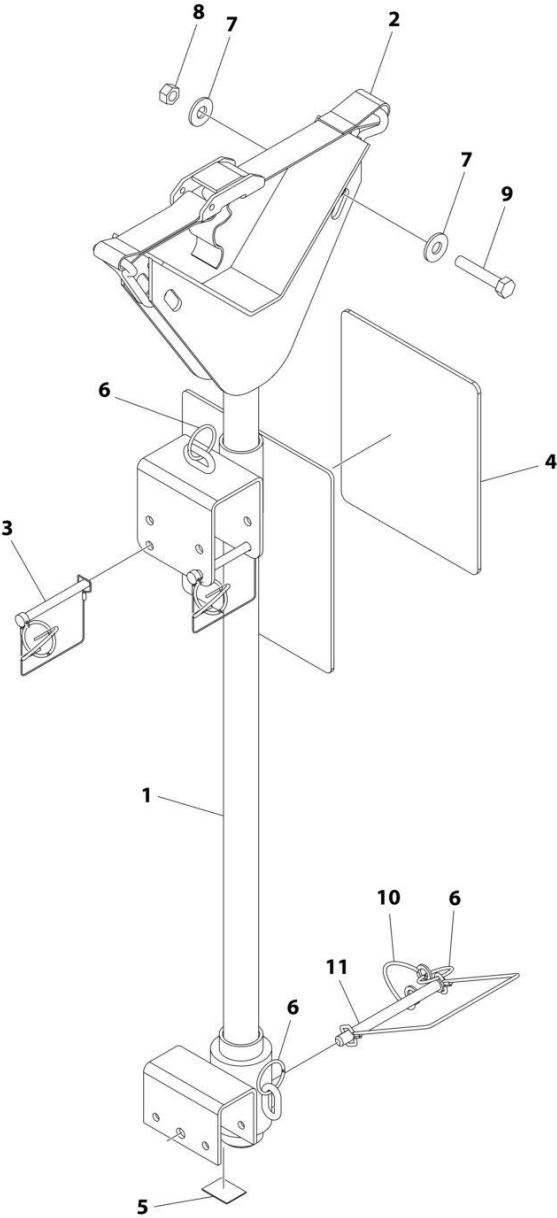
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FIGURE 4-25. PIPE RACKS INSTALLATION (FACTORY INSTALLED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001180216	Ref	PIPE RACKS INSTALLATION	B
	1001180197	2	Pipe Racks Assembly (See Items 101-112 for Breakdown)	D
	1001180197	Ref	PIPE RACKS ASSEMBLY	
101	0240054	1	Pipe Rack Tube	
102	0700608	2	Bolt M6 x 16	
103	1060379	3	Cable, Lanyard	
104	3290606	2	Nut M6	
105	3421453	3	Pin	
106	3520176	2	Plug	
107	3760170	5	Ring	
108	4191706	1	Screw M6 x 12	
109	4240164	1	Strap	
110	4811700	4	Washer M6	
111	1001182847	2	Decal – Capacity Pipe Rack Kit	
112	1001180205	1	Pipe Rack	

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FIGURE 4-26. PIPE RACK INSTALLATION (FACTORY INSTALLED)



ART_1001229469

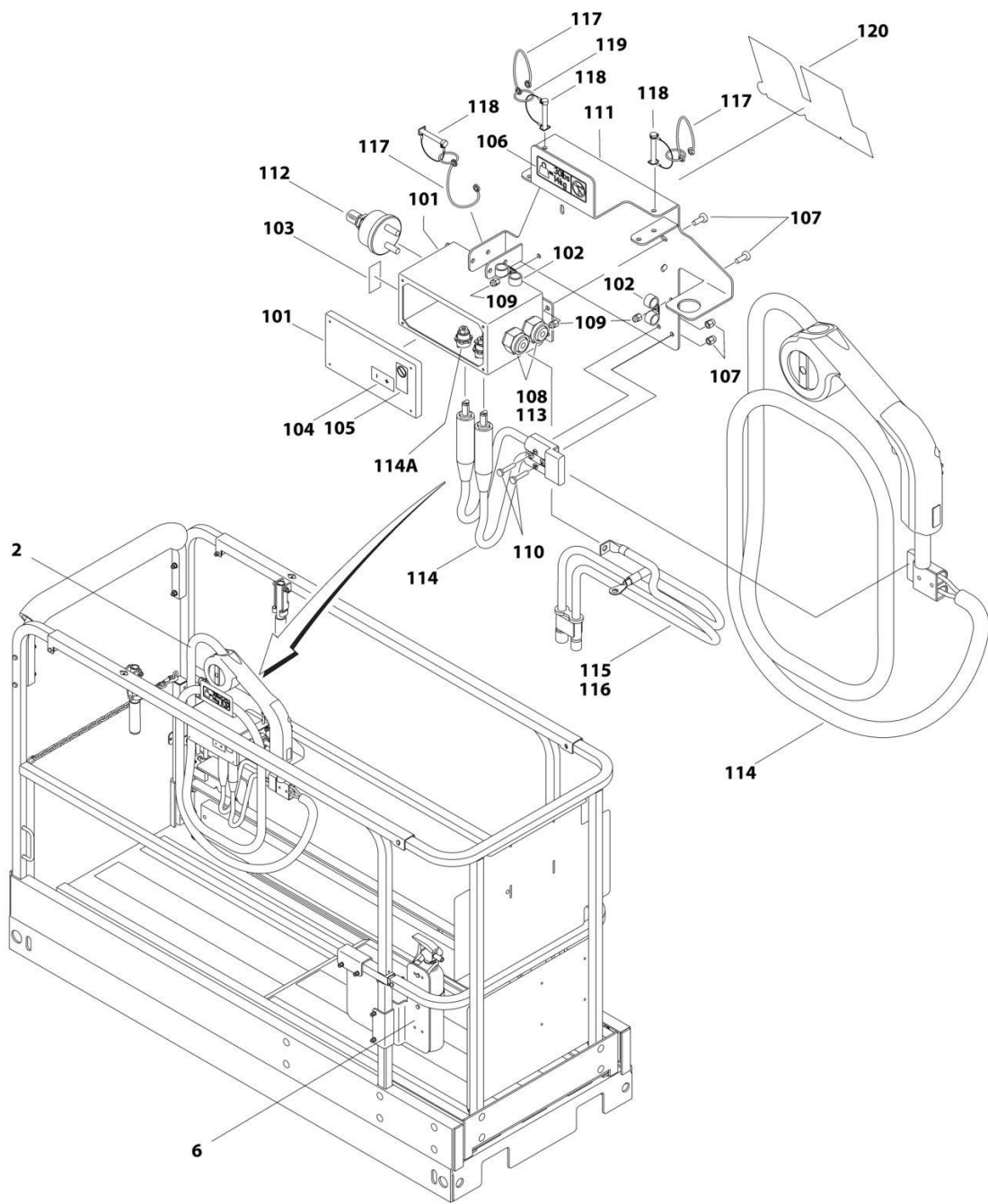
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FIGURE 4-26. PIPE RACK INSTALLATION (FACTORY INSTALLED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229469	Ref	PIPE RACK INSTALLATION	A
1	1001199189	2	Rack Pipe	
2	0480100	2	Tie-Strap	
3	1001187587	4	Pin	
4	1001229441	2	Decal - Pipe Rack Capacity	
5	4420062	3 ft/ 1m	Tape	
6	3760170	6	Ring	
7	4751500	8	Washer 5/16	
8	3311505	4	Nut 5/16	
9	0641514	4	Bolt 5/16 x 1-3/4	
10	1060379	2	Lanyard	
11	3421854	2	Pin	

SECTION 4 - PLATFORM

FIGURE 4-27. QUIK WELDER INSTALLATION



ART_0272882

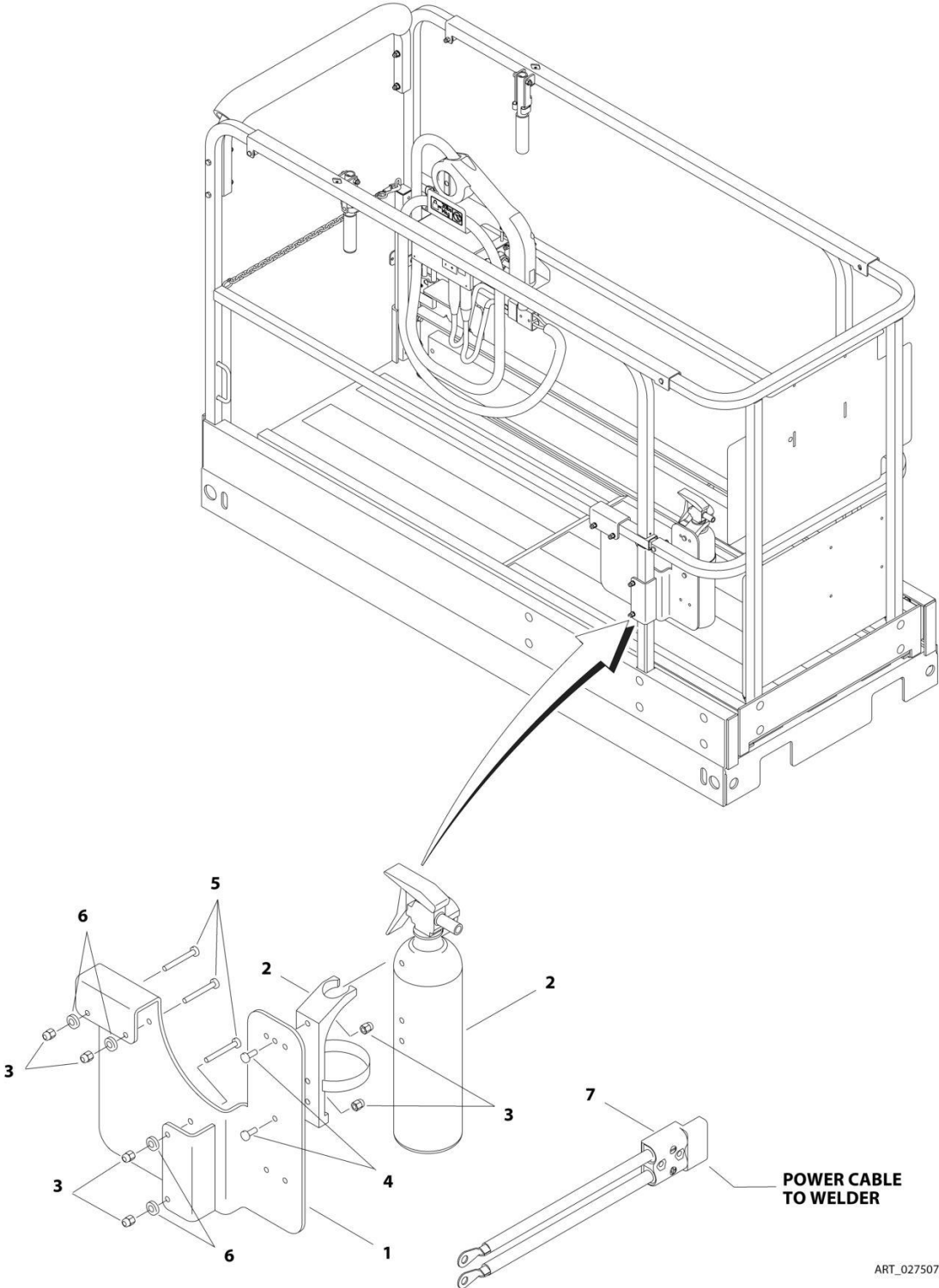
SECTION 4 - PLATFORM

FIGURE 4-27. QUIK WELDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272882	Ref	QUIK WELDER INSTALLATION	D
2	2902334	1	Kit, Quik Welder (See Items 101-120 for Breakdown)	
6	0275075	1	Quik Welder Ready (See Separate Breakdown in this Section)	
	2902334	Ref	QUIK WELDER KIT	C
101	0861527	1	Box, Welder Disconnect	
102	1320224	4	Clamp	
103	1705213	1	Decal - On/Off	
104	1705214	1	Decal - Plus/Minus	
105	1705305	1	Decal - Weld Lead	
106	1705953	1	Decal - Weight	
107	3290606	8	Bolt M6 x 1	
108	3300048	2	Nut 3/4	
109	4010608	6	Screw M6 x 16	
110	4010614	2	Screw M6 x 30	
111	4340938	1	Mount, Quik Welder	
112	4360155	1	Switch, Master Disconnect	
113	4460328	2	Terminal, Connector	
114	4530021	1	Welder	
114A	7027303	2	Connector, Female	
115	4923048	1	Cable, Quik Welder Assembly	
116	1060957	1	Cable, Welder	
117	1060379	3	Cable, Lanyard	
118	3421453	3	Pin	
119	3760170	3	Ring	
120	1705754	1	Decal - JLG	

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FIGURE 4-28. QUIK WELDER READY INSTALLATION



ART_0275075

SECTION 4 - PLATFORM

FIGURE 4-28. QUIK WELDER READY INSTALLATION

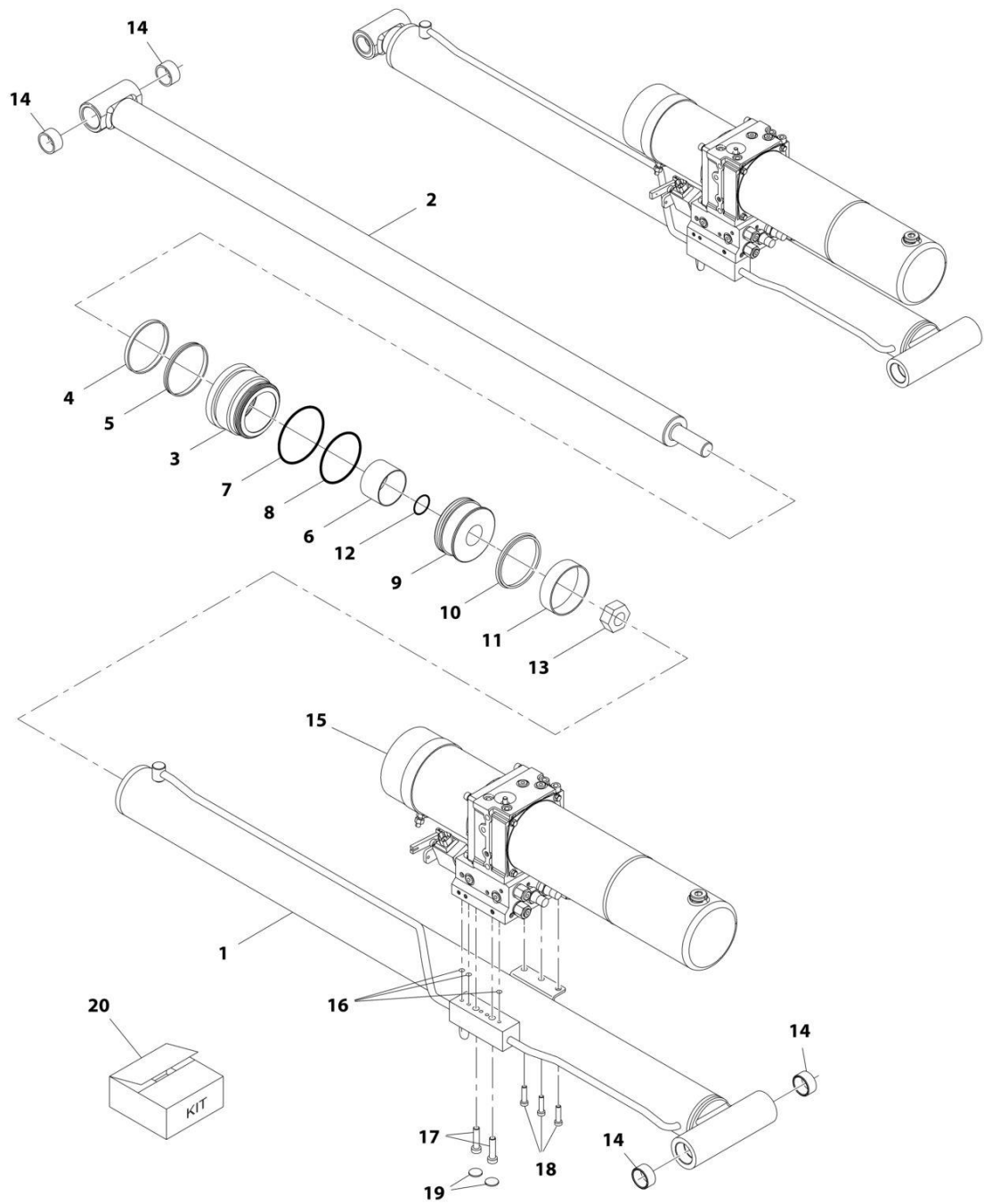
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275075	Ref	QUIK WELDER READY INSTALLATION	B
1	0903416	1	Bracket, Fire Extinguisher Mount	
2	2030010	1	Extinguisher, Fire	
3	3290606	6	Nut M6 x 1	
4	4010608	2	Screw M6 x 16	
5	4010618	4	Screw M6 x 50	
6	4811700	4	Washer M6	
7	4923052	1	Cable, Quik Welder Power	

SECTION 5 - CYLINDER

SECTION 5 - CYLINDER

FIGURE 5-1. LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (SH-PAC)

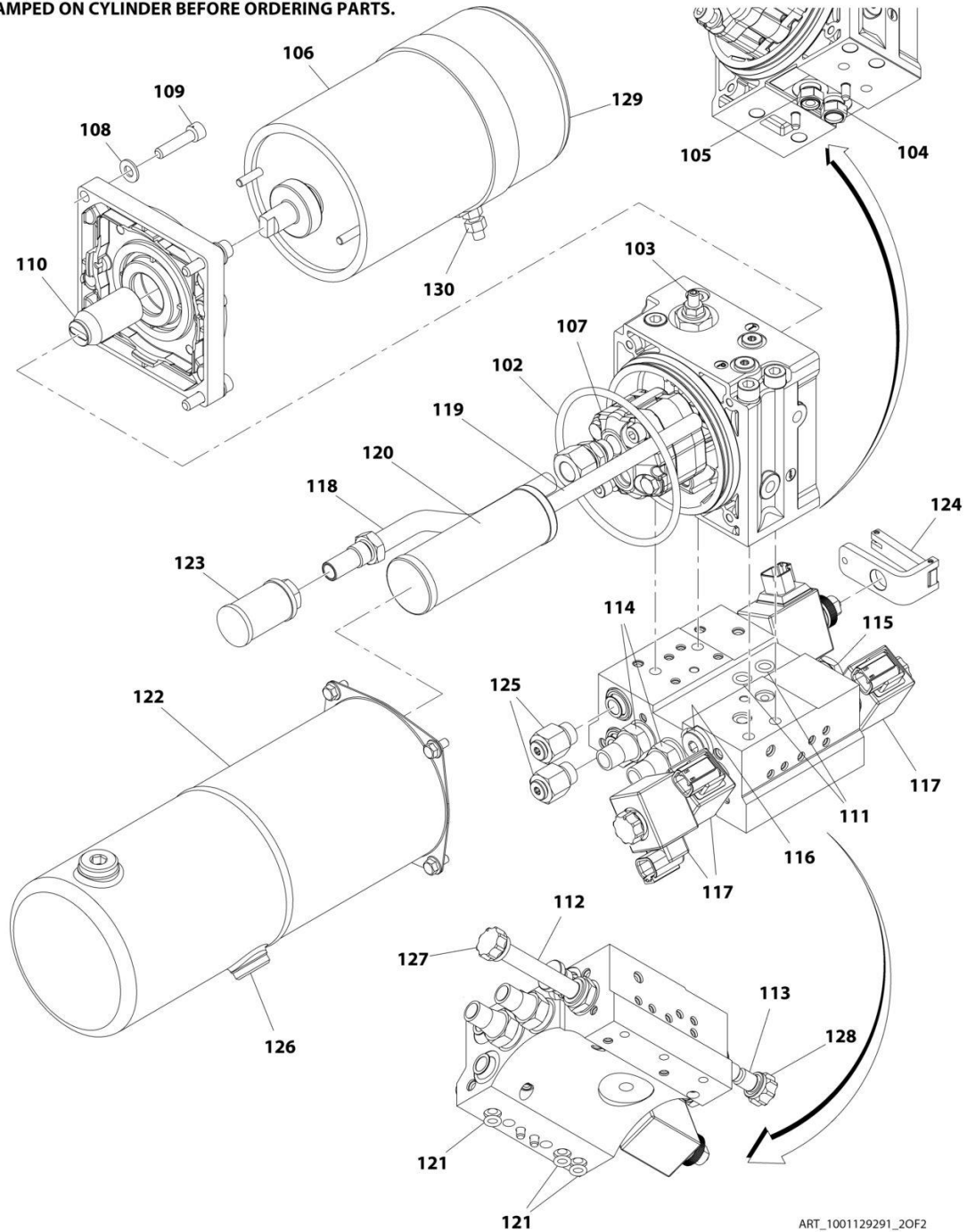
NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.



ART_1001129291_10F2

SECTION 5 - CYLINDER

**NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.**



ART_1001129291_20F2

SECTION 5 - CYLINDER

FIGURE 5-1. LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (SH-PAC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129291	Ref	LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (SH-PAC)	G
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004634	1	Barrel	
2	70004635	1	Rod	
3	70004636	1	Head, Cylinder	
4	See Note	NSS	Seal, Dust (Note: Use Item 20)	
5	See Note	NSS	Seal (Note: Use Item 20)	
6	70004637	1	Bearing	
7	See Note	1	O-Ring (Note: Use Item 20)	
8	See Note	1	O-Ring (Note: Use Item 20)	
9	70004638	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 20)	
11	See Note	NSS	Ring, Wear (Note: Use Item 20)	
12	See Note	NSS	O-Ring (Note: Use Item 20)	
13	70003663	1	Nut	
14	0962181	2	Bushing (Rod End)	
14	0962006	2	Bushing (Barrel End)	
15	70004949	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
16	See Note	1	O-Ring (Note: Use Item 20)	
17	70004639	2	Capscrew M10 x 50	
18	70004625	3	Capscrew M8 x 20	
19	70004626	2	Plug, Extension	
20	70004640	1	Seal Kit - Cylinder (Includes Items 4, 5, 7, 8, 10, 11, 12 & 16)	
		Ref	MOTOR/PUMP/TANK ASSEMBLIES	
	70004949	1	Motor/Pump/Tank Assembly	
102	70004914	1	O-Ring	
103	70004915	1	Cartridge, Valve (Main Relief)	
104	70004916	1	Cartridge, Valve (Breather Vacuum Check)	
105	70004917	1	Cartridge, Valve (Breather Pressure Check)	
106	70004980	1	Kit, Motor (Includes motor, flange and ring)	
107	70005233	1	Kit, Pump (Includes pump and hardware)	
108	70004974	4	Washer M8	
109	70004975	4	Capscrew M8 x 60	
110	70004973	1	Shaft Coupling	
111	70004925	2	O-Ring	
112	70003028	1	Cartridge, Solenoid Valve Less Coil (Steer)	
113	70004926	1	Cartridge, Solenoid Valve Less Coil (Lift)	
114	70004927	2	Cartridge, Valve (Steer Relief)	
115	70004585	1	Cartridge, Valve (Lift Check)	
116	70004928	1	Filter 300 micron	
117	70003707	3	Coil	
118	70004947	1	Pipe, Suction	
119	70004948	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005241	1	Kit, Tank (Includes tank, plug, "o"-ring and screws)	
123	70005235	1	Kit, Filter (Includes strainer and seal ring)	

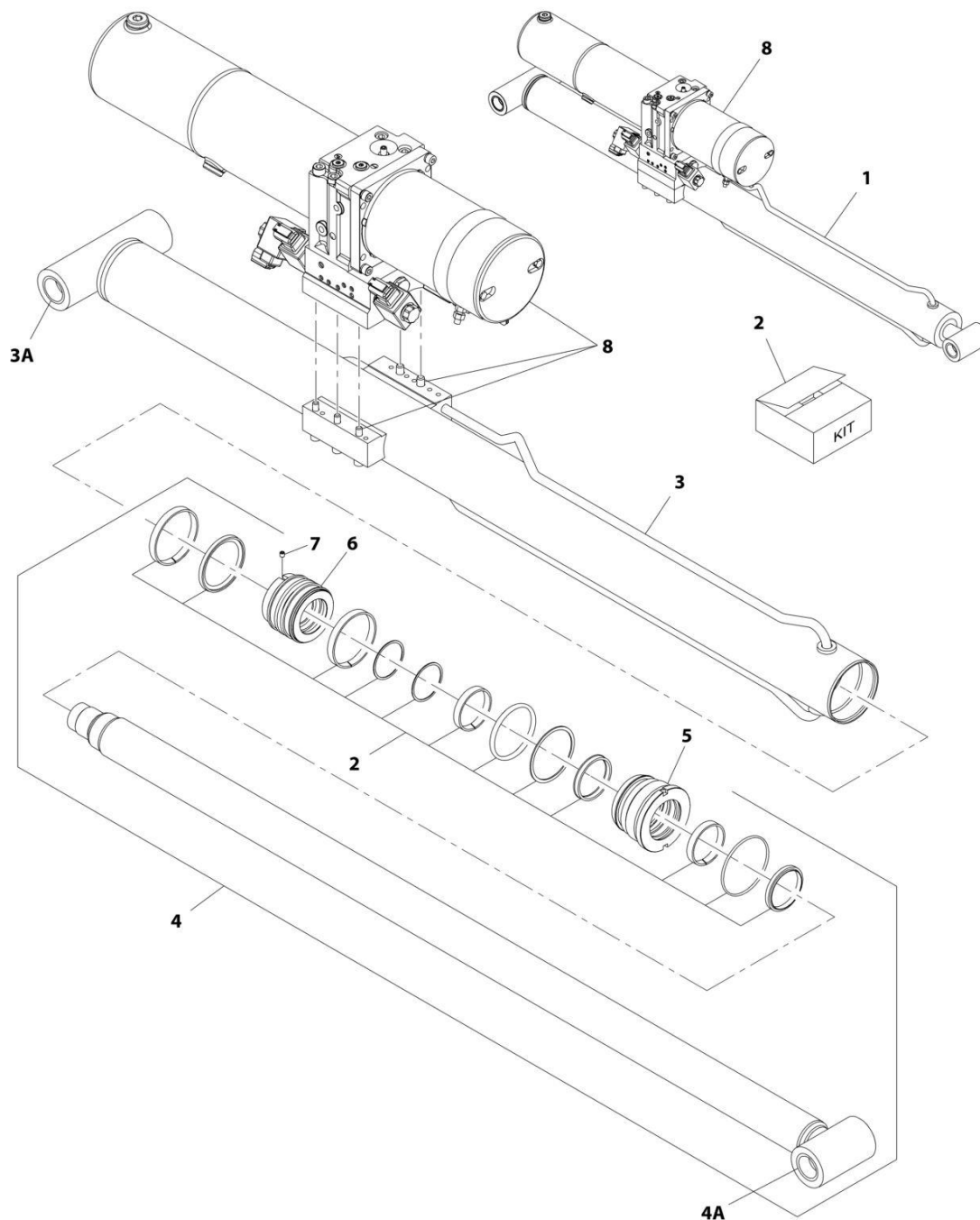
SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
124	70005236	1	Kit, Solenoid Valve (Includes solenoid, coil and lever)	
125	70005237	2	Kit, Fitting (Includes adapter, seal washer and plug)	
126	70004921	1	Plug	
127	70004654	1	Nut, Coil (for Item #112)	
128	70005238	1	Nut, Retaining (for Item #113)	
129	70004971	1	Kit, Brush	
130	70004972	1	Nut M8	

SECTION 5 - CYLINDER

FIGURE 5-2. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA)

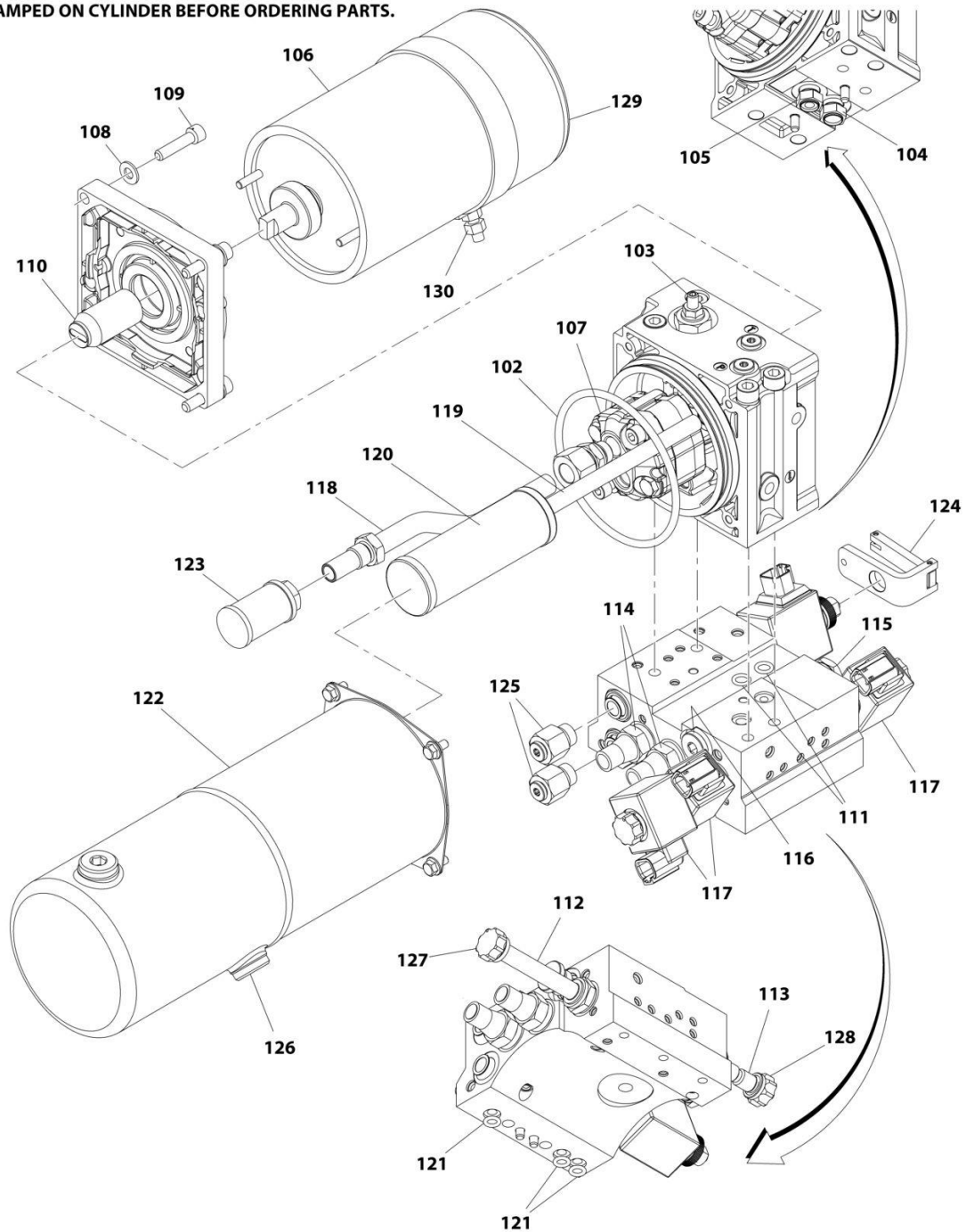
**NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.**



ART_1001157332_1OF2

SECTION 5 - CYLINDER

**NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.**



ART_1001157332_20F2

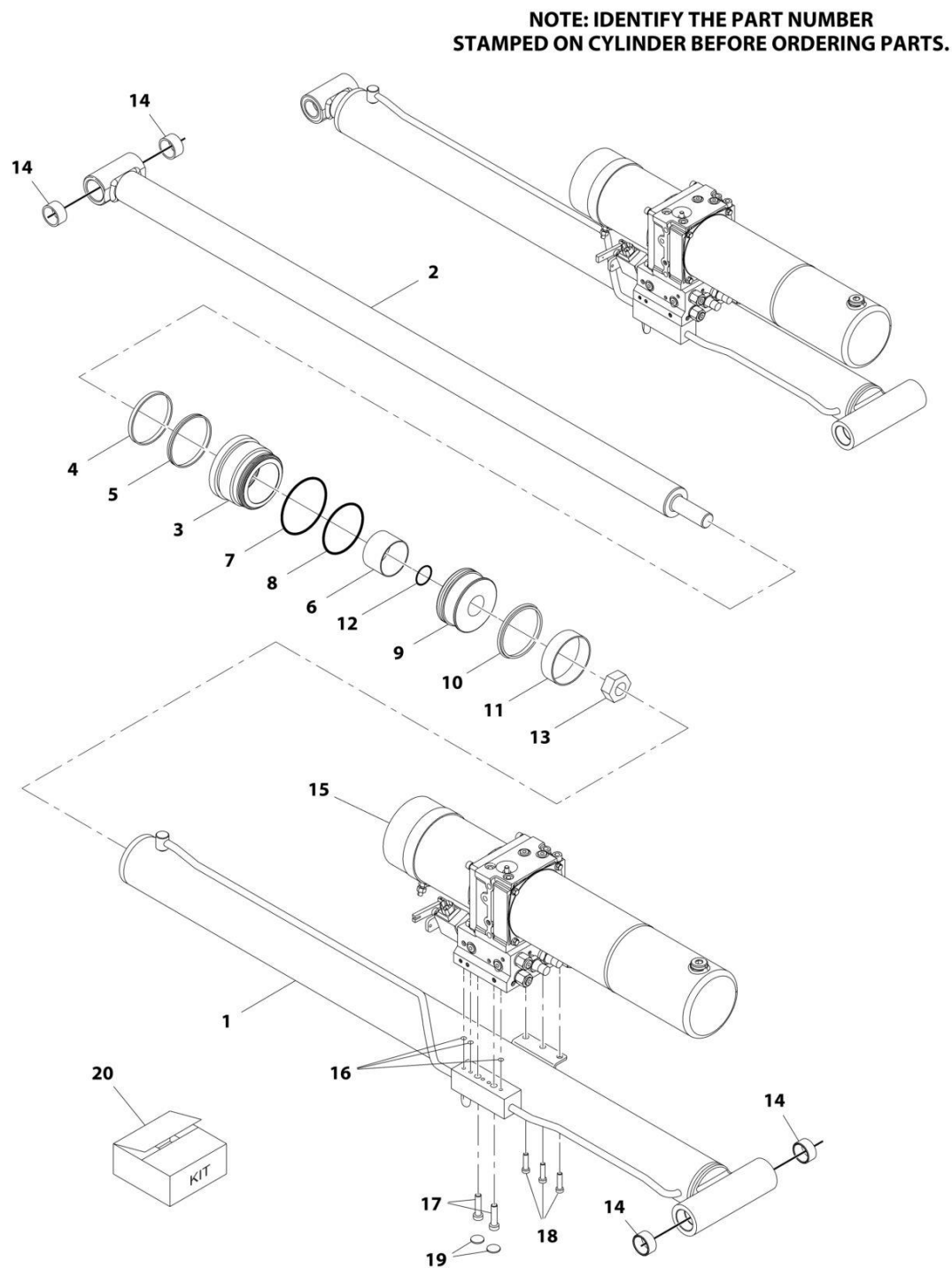
SECTION 5 - CYLINDER

FIGURE 5-2. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157332	Ref	LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA)	F
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004733	1	Cylinder Assembly Less Powerpack	
2	70004736	1	Seal Kit	
3	70004731	1	Barrel (Includes Item 3A)	
3A	0962006	2	Bushing	
4	70004734	1	Rod (Includes Items 2, 4A, 5, 6 & 7)	
4A	0962181	2	Bushing	
5	70006092	1	Head, Cylinder	
6	70006091	1	Piston	
7	70020438	1	Screw	
8	70004949	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
		Ref	MOTOR/PUMP/TANK ASSEMBLIES	
	70004949	Ref	Motor/Pump/Tank Assembly	
102	70004914	1	O-Ring	
103	70004915	1	Cartridge, Valve (Main Relief)	
104	70004916	1	Cartridge, Valve (Breather Vacuum Check)	
105	70004917	1	Cartridge, Valve (Breather Pressure Check)	
106	70004980	1	Kit, Motor (Includes motor, flange and ring)	
107	70005233	1	Kit, Pump (Includes pump and hardware)	
108	70004974	4	Washer M8	
109	70004975	4	Capscrew M8 x 60	
110	70004973	1	Shaft Coupling	
111	70004925	2	O-Ring	
112	70003028	1	Cartridge, Solenoid Valve Less Coil (Steer)	
113	70004926	1	Cartridge, Solenoid Valve Less Coil (Lift)	
114	70004927	2	Cartridge, Valve (Steer Relief)	
115	70004585	1	Cartridge, Valve (Lift Check)	
116	70004928	1	Filter 300 micron	
117	70003707	3	Coil	
118	70004947	1	Pipe, Suction	
119	70004948	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005241	1	Kit, Tank (Includes tank, plug, "o"-ring and screws)	
123	70005235	1	Kit, Filter (Includes strainer and seal ring)	
124	70005236	1	Kit, Solenoid Valve (Includes solenoid, coil and lever)	
125	70005237	2	Kit, Fitting (Includes adapter, seal washer and plug)	
126	70004921	1	Plug	
127	70004654	1	Nut, Coil (for Item #112)	
128	70005238	1	Nut, Retaining (for Item #113)	
129	70004971	1	Kit, Brush	
130	70004972	1	Nut M8	

SECTION 5 - CYLINDER

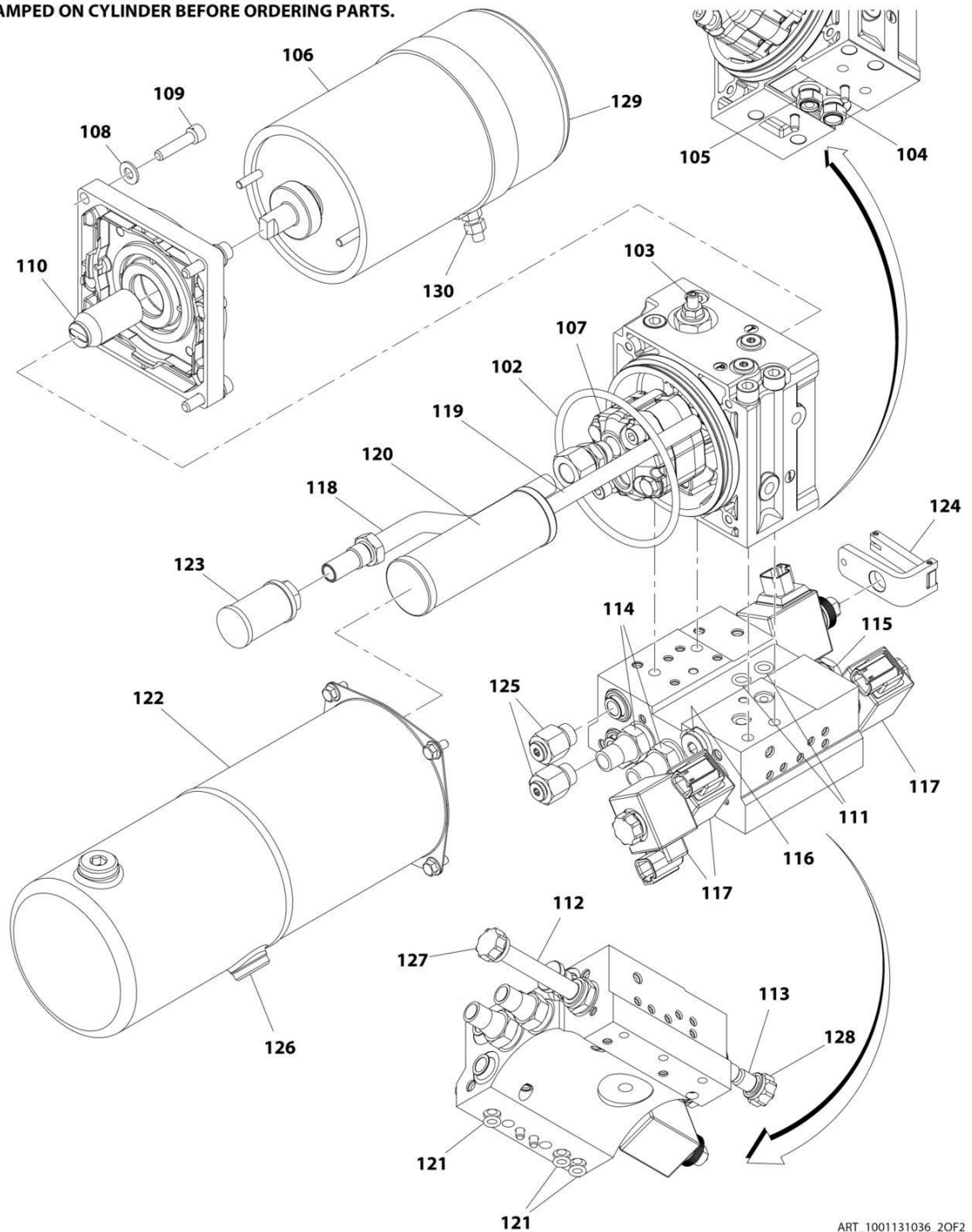
FIGURE 5-3. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC)



ART_1001131036_10F2

SECTION 5 - CYLINDER

**NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.**



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FIGURE 5-3. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131036	Ref	LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC)	H
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004634	1	Barrel	
2	70004635	1	Rod	
3	70004636	1	Head, Cylinder	
4	See Note	NSS	Seal, Dust (Note: Use Item 20)	
5	See Note	NSS	Seal (Note: Use Item 20)	
6	70004637	1	Bearing	
7	See Note	NSS	O-Ring (Note: Use Item 20)	
8	See Note	NSS	O-Ring (Note: Use Item 20)	
9	70004638	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 20)	
11	See Note	NSS	Ring, Wear (Note: Use Item 20)	
12	See Note	NSS	O-Ring (Note: Use Item 20)	
13	70003663	1	Nut	
14	0962181	2	Bushing (Rod End)	
14	0962006	2	Bushing (Barrel End)	
15	70004949	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
16	See Note	1	O-Ring (Note: Use Item 20)	
17	70004639	2	Capscrew M10 x 50	
18	70004625	3	Capscrew M8 x 20	
19	70004626	2	Plug, Extension	
20	70004640	1	Seal Kit - Cylinder (Includes Items 4, 5, 7, 8, 10, 11, 12 & 16)	
		Ref	MOTOR/PUMP/TANK ASSEMBLIES	
	70004949	1	Motor/Pump/Tank Assembly	
102	70004914	1	O-Ring	
103	70004915	1	Cartridge, Valve (Main Relief)	
104	70004916	1	Cartridge, Valve (Breather Vacuum Check)	
105	70004917	1	Cartridge, Valve (Breather Pressure Check)	
106	70004980	1	Kit, Motor (Includes motor, flange and ring)	
107	70005233	1	Kit, Pump (Includes pump and hardware)	
108	70004974	4	Washer M8	
109	70004975	4	Capscrew M8 x 60	
110	70004973	1	Shaft Coupling	
111	70004925	2	O-Ring	
112	70003028	1	Cartridge, Solenoid Valve Less Coil (Steer)	
113	70004926	1	Cartridge, Solenoid Valve Less Coil (Lift)	
114	70004927	2	Cartridge, Valve (Steer Relief)	
115	70004585	1	Cartridge, Valve (Lift Check)	
116	70004928	1	Filter 300 micron	
117	70003707	3	Coil	
118	70004947	1	Pipe, Suction	
119	70004948	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005241	1	Kit, Tank (Includes tank, plug, "o"-ring and screws)	

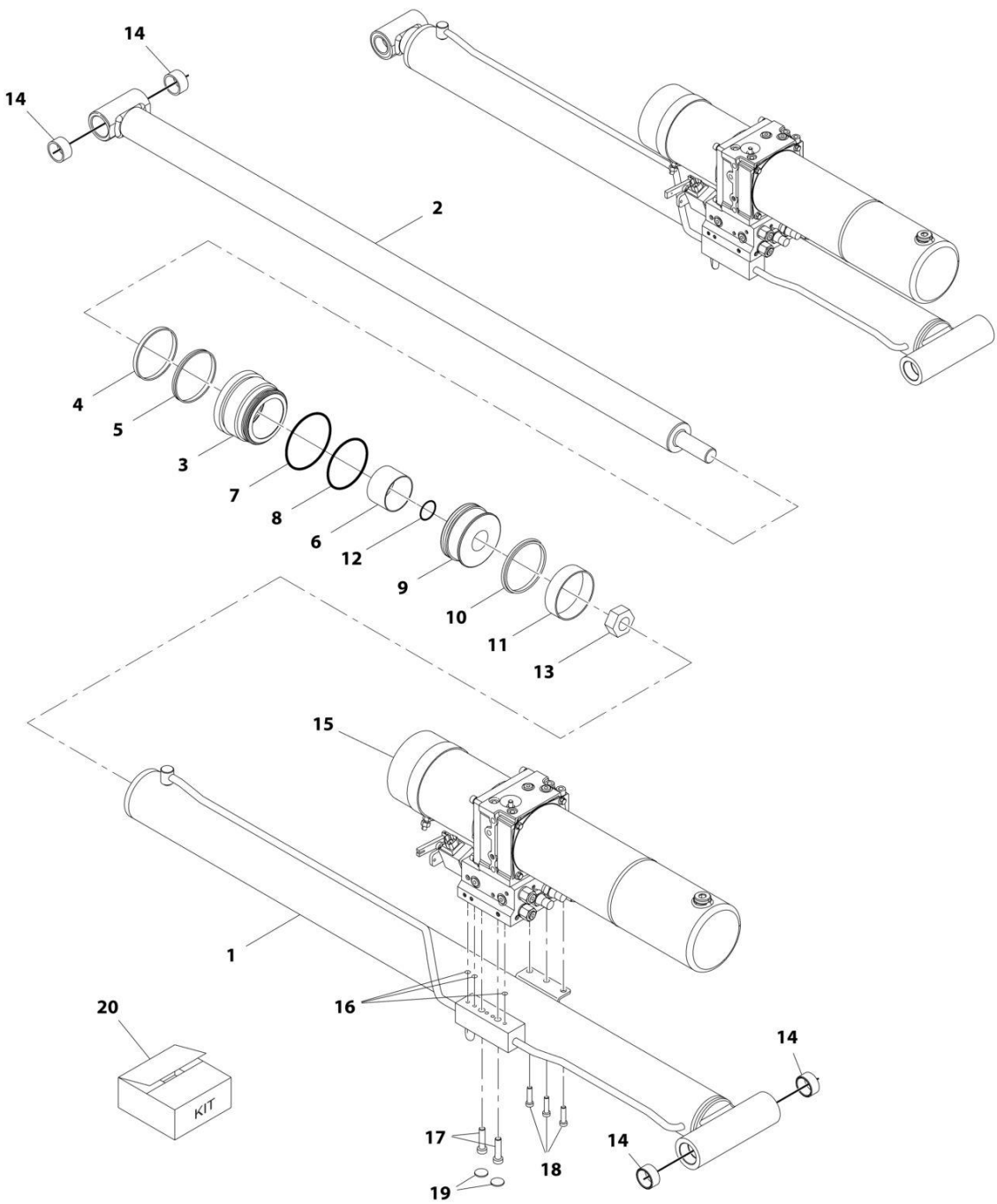
SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
123	70005235	1	Kit, Filter (Includes strainer and seal ring)	
124	70005236	1	Kit, Solenoid Valve (Includes solenoid, coil and lever)	
125	70005237	2	Kit, Fitting (Includes adapter, seal washer and plug)	
126	70004921	1	Plug	
127	70004654	1	Nut, Coil (for Item #112)	
128	70005238	1	Nut, Retaining (for Item #113)	
129	70004971	1	Kit, Brush	
130	70004972	1	Nut M8	

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FIGURE 5-4. LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (SH-PAC)

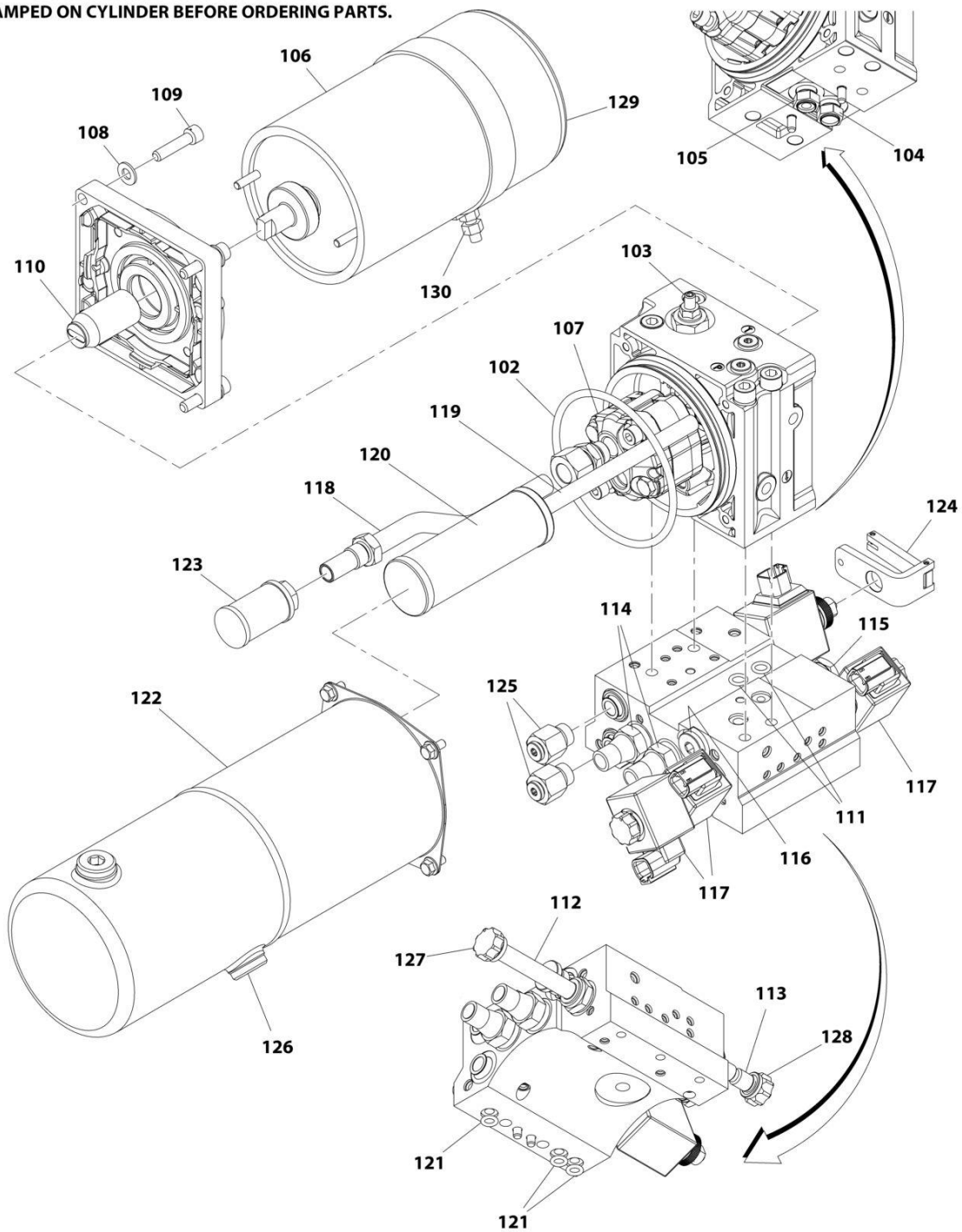
NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.



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SECTION 5 - CYLINDER

**NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.**



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FIGURE 5-4. LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (SH-PAC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129292	Ref	LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (SH-PAC)	H
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004641	1	Barrel	
2	70004635	1	Rod	
3	70004636	1	Head, Cylinder	
4	See Note	NSS	Seal, Dust (Note: Use Item 20)	
5	See Note	NSS	Seal (Note: Use Item 20)	
6	70004637	1	Bearing	
7	See Note	NSS	O-Ring (Note: Use Item 20)	
8	See Note	NSS	O-Ring (Note: Use Item 20)	
9	70004638	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 20)	
11	See Note	NSS	Ring, Wear (Note: Use Item 20)	
12	See Note	NSS	O-Ring (Note: Use Item 20)	
13	70003663	1	Nut	
14	0962181	2	Bushing (Rod End)	
14	0962006	2	Bushing (Barrel End)	
15	70004953	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
16	See Note	1	O-Ring (Note: Use Item 20)	
17	70004639	2	Capscrew M10 x 50	
18	70004625	3	Capscrew M8 x 20	
19	70004626	2	Plug, Extension	
20	70004640	1	Seal Kit - Cylinder (Includes Items 4, 5, 7, 8, 10, 11, 12 & 16)	
		Ref	MOTOR/PUMP/TANK ASSEMBLIES	
	70004953	1	Motor/Pump/Tank Assembly	
102	70004914	1	O-Ring	
103	70004915	1	Cartridge, Valve (Main Relief)	
104	70004916	1	Cartridge, Valve (Breather Vacuum Check)	
105	70001917	1	Cartridge, Valve (Breather Pressure Check)	
106	70004980	1	Kit, Motor (Includes motor, flange and ring)	
107	70005233	1	Kit, Pump (Includes pump and hardware)	
108	70004974	4	Washer M8	
109	70004975	4	Capscrew M8 x 60	
110	70004973	1	Shaft Coupling	
111	70004925	2	O-Ring	
112	70003028	1	Cartridge, Solenoid Valve Less Coil (Steer)	
113	70004926	1	Cartridge, Solenoid Valve Less Coil (Lift)	
114	70004927	2	Cartridge, Valve (Steer Relief)	
115	70004585	1	Cartridge, Valve (Lift Check)	
116	70004928	1	Filter 300 micron	
117	70003707	3	Coil	
118	70004951	1	Pipe, Suction	
119	70004952	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005242	1	Kit, Tank (Includes tank, plug, "o"-ring and screws)	
123	70005235	1	Kit, Filter (Includes strainer and seal ring)	

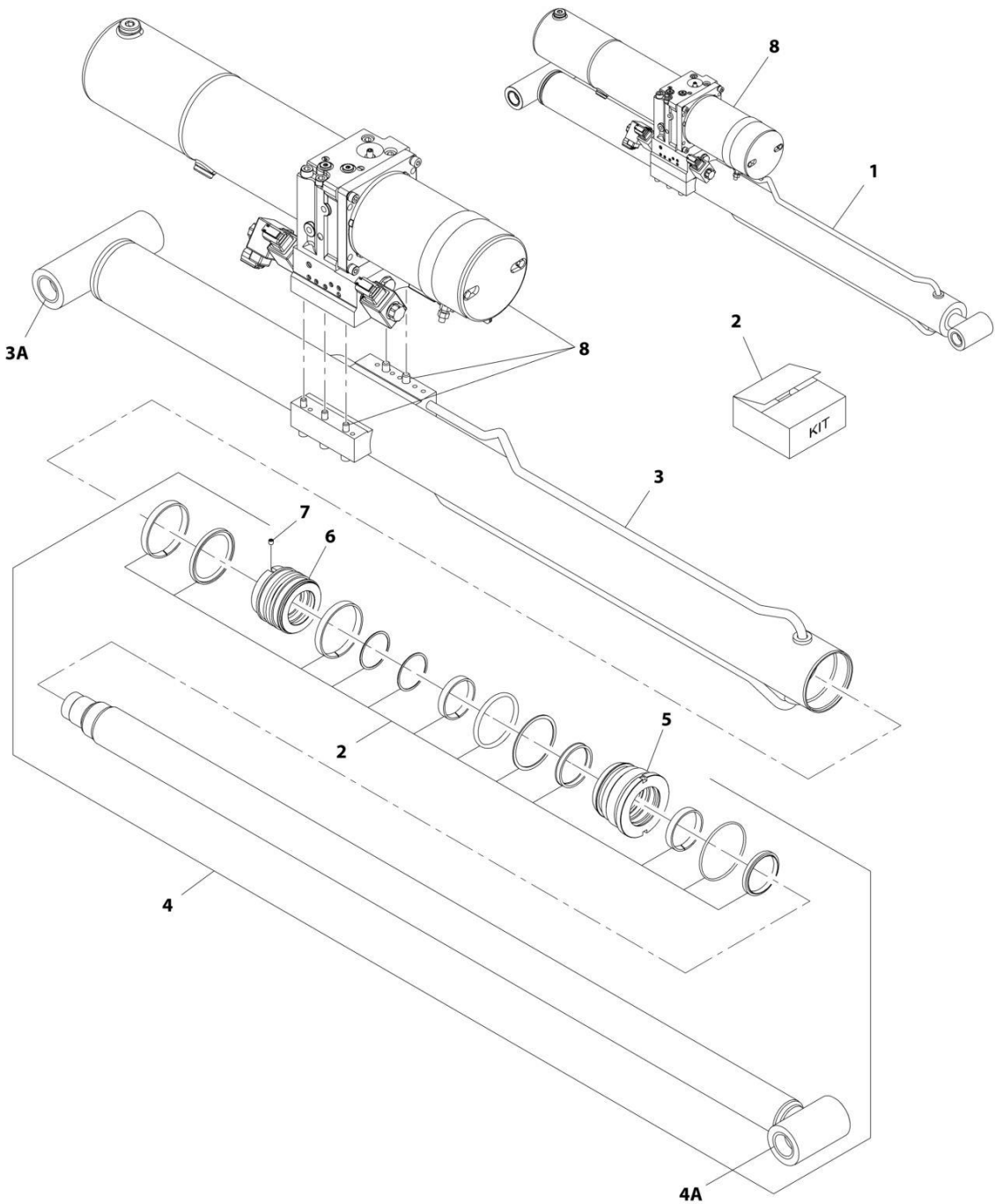
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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
124	70005236	1	Kit, Solenoid Valve (Includes solenoid, coil and lever)	
125	70005237	2	Kit, Fitting (Includes adapter, seal washer and plug)	
126	70004921	1	Plug	
127	70004654	1	Nut, Coil (for Item #112)	
128	70005238	1	Nut, Retaining (for Item #113)	
129	70004971	1	Kit, Brush	
130	70004972	1	Nut M8	

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FIGURE 5-5. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADABLE HYDRAULIC OIL (SERTA)

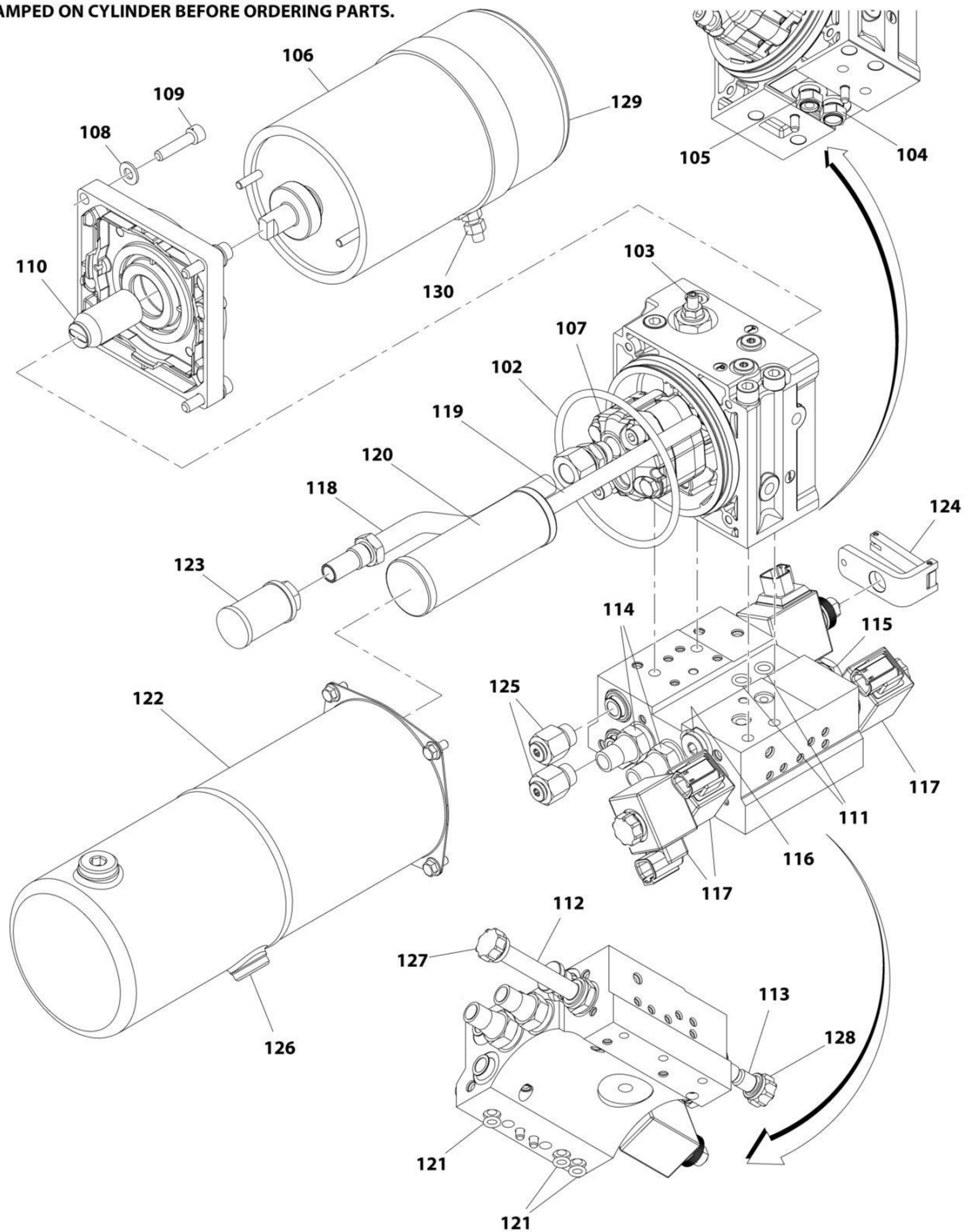
NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.



ART_1001157333_1OF2

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**NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.**



ART_1001157333_2OF2

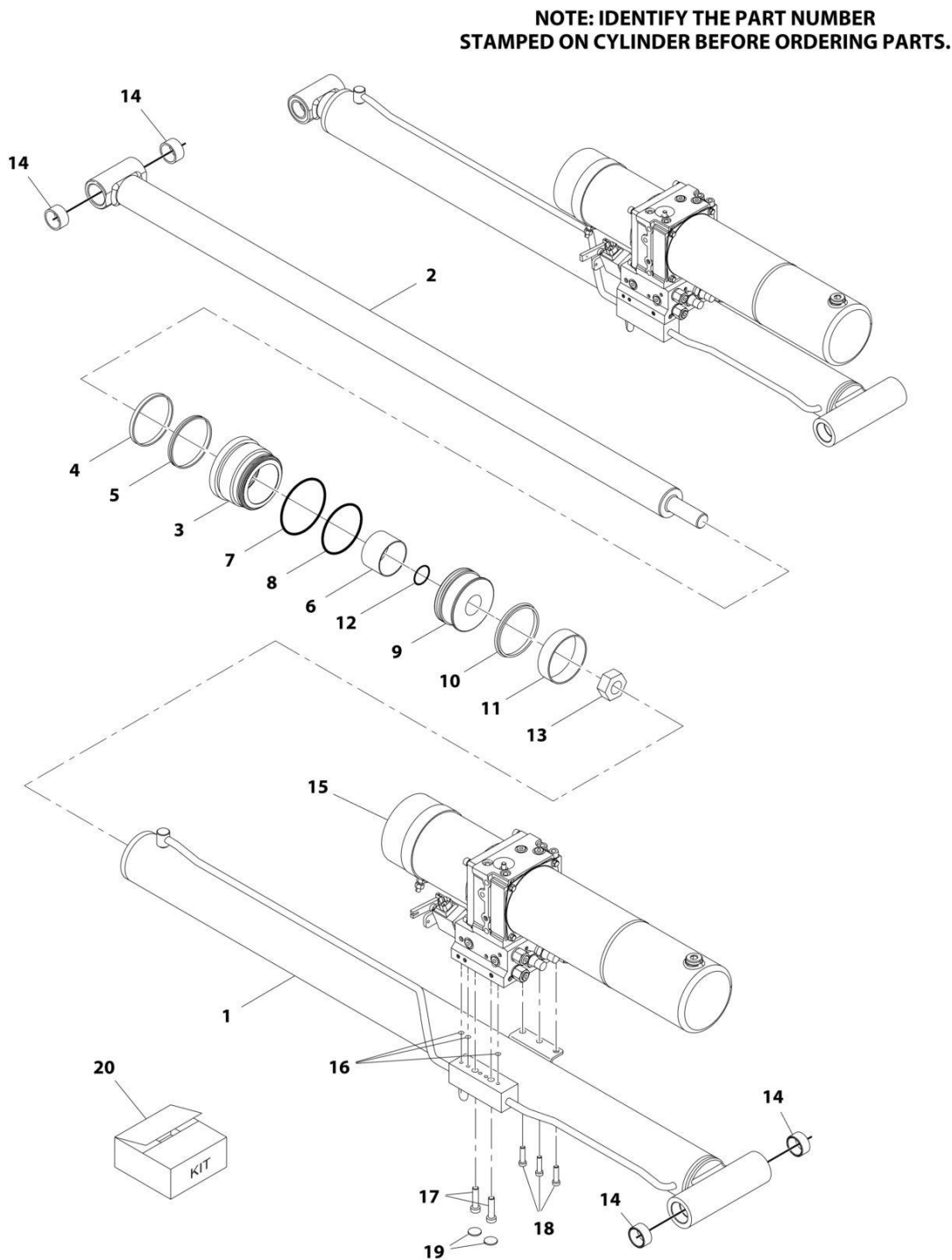
SECTION 5 - CYLINDER

FIGURE 5-5. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157333	Ref	LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA)	F
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004737	1	Cylinder Assembly Less Powerpack	
2	70004736	1	Seal Kit	
3	70004735	1	Barrel (Includes Item 3A)	
3A	0962006	2	Bushing	
4	70004734	1	Rod (Includes Items 2, 4A, 5, 6 & 7)	
4A	0962181	2	Bushing	
5	70006092	1	Head, Cylinder	
6	70006091	1	Piston	
7	70020438	1	Screw	
8	70004953	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
		Ref	MOTOR/PUMP/TANK ASSEMBLIES	
	70004953	Ref	Motor/Pump/Tank Assembly	
102	70004914	1	O-Ring	
103	70004915	1	Cartridge, Valve (Main Relief)	
104	70004916	1	Cartridge, Valve (Breather Vacuum Check)	
105	70004917	1	Cartridge, Valve (Breather Pressure Check)	
106	70004980	1	Kit, Motor (Includes motor, flange and ring)	
107	70005233	1	Kit, Pump (Includes pump and hardware)	
108	70004974	4	Washer M8	
109	70004975	4	Capscrew M8 x 60	
110	70004973	1	Shaft Coupling	
111	70004925	2	O-Ring	
112	70003028	1	Cartridge, Solenoid Valve Less Coil (Steer)	
113	70004926	1	Cartridge, Solenoid Valve Less Coil (Lift)	
114	70004927	2	Cartridge, Valve (Steer Relief)	
115	70004585	1	Cartridge, Valve (Lift Check)	
116	70004928	1	Filter 300 micron	
117	70003707	3	Coil	
118	70004951	1	Pipe, Suction	
119	70004952	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005242	1	Kit, Tank (Includes tank, plug, "o"-ring and screws)	
123	70005235	1	Kit, Filter (Includes strainer and seal ring)	
124	70005236	1	Kit, Solenoid Valve (Includes solenoid, coil and lever)	
125	70005237	2	Kit, Fitting (Includes adapter, seal washer and plug)	
126	70004921	1	Plug	
127	70004654	1	Nut, Coil (for Item #112)	
128	70005238	1	Nut, Retaining (for Item #113)	
129	70004971	1	Kit, Brush	
130	70004972	1	Nut M8	

SECTION 5 - CYLINDER

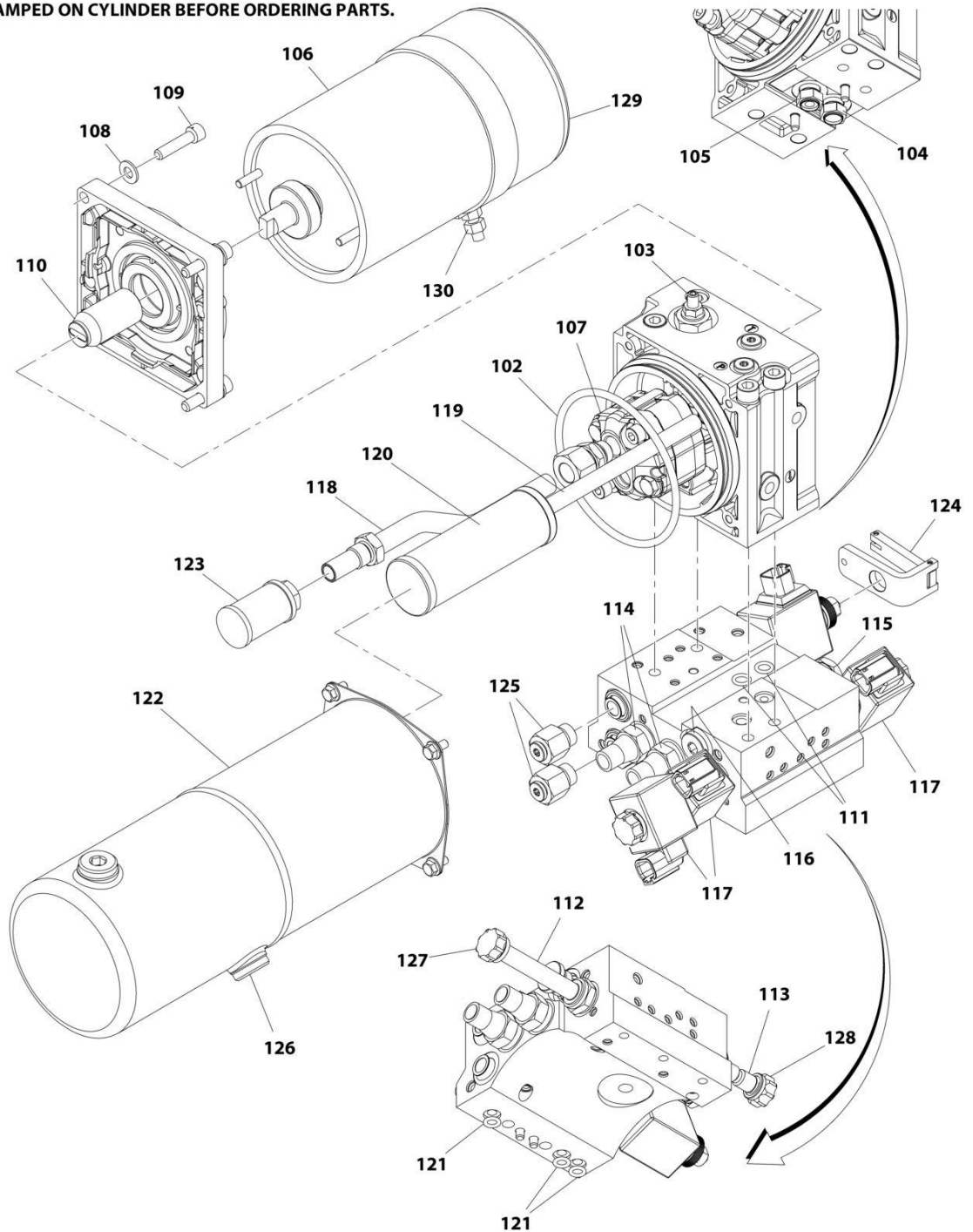
FIGURE 5-6. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADABLE HYDRAULIC OIL (SH-PAC)



ART_1001131037_10F2

SECTION 5 - CYLINDER

**NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.**



ART_1001131037_20F2

SECTION 5 - CYLINDER

FIGURE 5-6. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131037	Ref	LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC)	H
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004641	1	Barrel	
2	70004635	1	Rod	
3	70004636	1	Head, Cylinder	
4	See Note	NSS	Seal, Dust (Note: Use Item 20)	
5	See Note	NSS	Seal (Note: Use Item 20)	
6	70004637	1	Bearing	
7	See Note	NSS	O-Ring (Note: Use Item 20)	
8	See Note	NSS	O-Ring (Note: Use Item 20)	
9	70004638	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 20)	
11	See Note	NSS	Ring, Wear (Note: Use Item 20)	
12	See Note	NSS	O-Ring (Note: Use Item 20)	
13	70003663	1	Nut	
14	0962181	2	Bushing (Rod End)	
14	0962006	2	Bushing (Barrel End)	
15	70004953	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
16	See Note	1	O-Ring (Note: Use Item 20)	
17	70004639	2	Capscrew M10 x 50	
18	70004625	3	Capscrew M8 x 20	
19	70004626	2	Plug, Extension	
20	70004640	1	Seal Kit - Cylinder (Includes Items 4, 5, 7, 8, 10, 11, 12 & 16)	
		Ref	MOTOR/PUMP/TANK ASSEMBLIES	
	70004953	1	Motor/Pump/Tank Assembly	
102	70004914	1	O-Ring	
103	70004915	1	Cartridge, Valve (Main Relief)	
104	70004916	1	Cartridge, Valve (Breather Vacuum Check)	
105	70004917	1	Cartridge, Valve (Breather Pressure Check)	
106	70004980	1	Kit, Motor (Includes motor, flange and ring)	
107	70005233	1	Kit, Pump (Includes pump and hardware)	
108	70004974	4	Washer M8	
109	70004975	4	Capscrew M8 x 60	
110	70004973	1	Shaft Coupling	
111	70004925	2	O-Ring	
112	70003028	1	Cartridge, Solenoid Valve Less Coil (Steer)	
113	70004926	1	Cartridge, Solenoid Valve Less Coil (Lift)	
114	70004927	2	Cartridge, Valve (Steer Relief)	
115	70004585	1	Cartridge, Valve (Lift Check)	
116	70004928	1	Filter 300 micron	
117	70003707	3	Coil	
118	70004951	1	Pipe, Suction	
119	70004952	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005242	1	Kit, Tank (Includes tank, plug, "o"-ring and screws)	

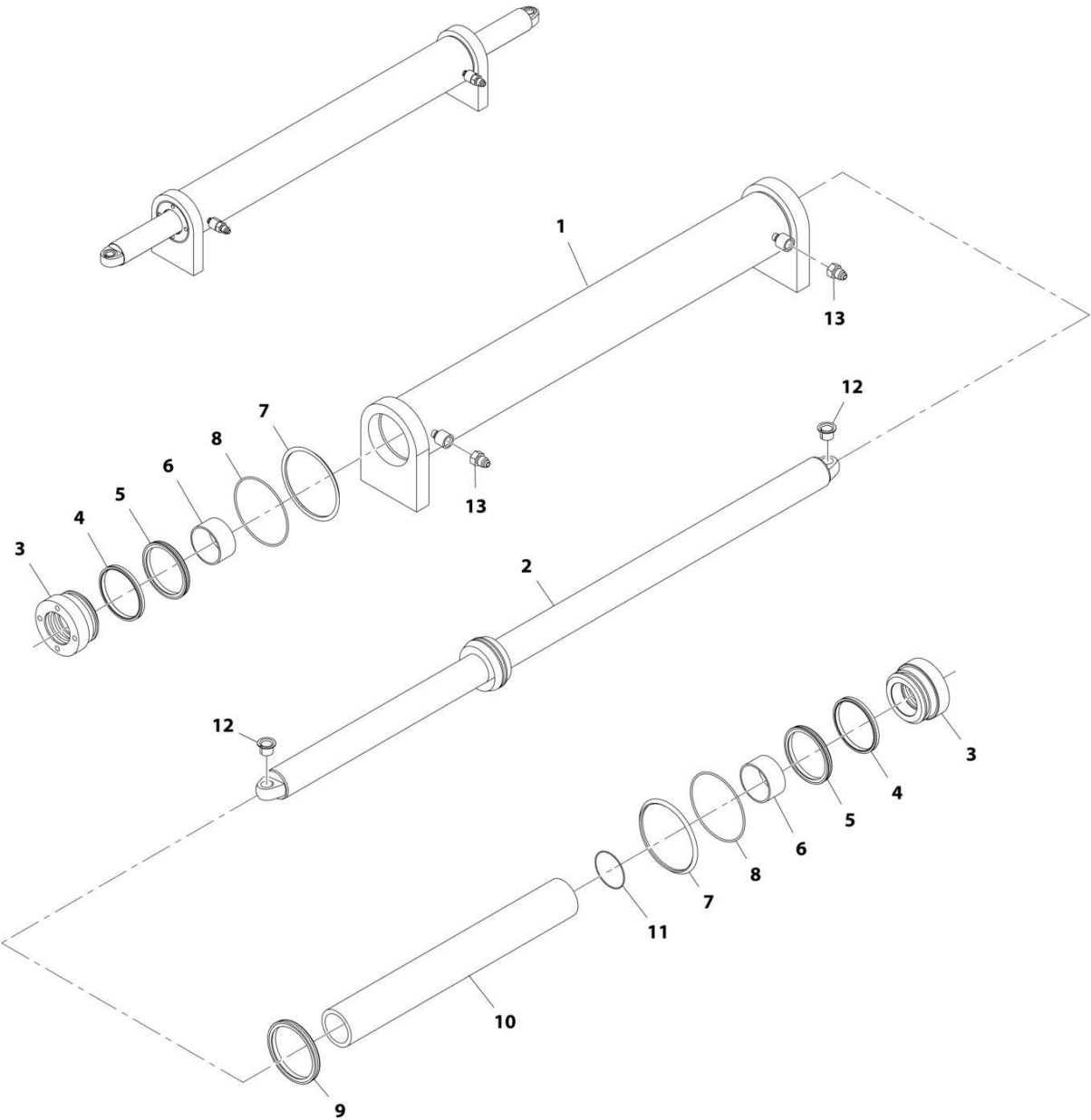
SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
123	70005235	1	Kit, Filter (Includes strainer and seal ring)	
124	70005236	1	Kit, Solenoid Valve (Includes solenoid, coil and lever)	
125	70005237	2	Kit, Fitting (Includes adapter, seal washer and plug)	
126	70004921	1	Plug	
127	70004654	1	Nut, Coil (for Item #112)	
128	70005238	1	Nut, Retaining (for Item #113)	
129	70004971	1	Kit, Brush	
130	70004972	1	Nut M8	

SECTION 5 - CYLINDER

FIGURE 5-7. STEER CYLINDER ASSEMBLY (SH-PAC)

NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.



ART_1001129268

SECTION 5 - CYLINDER

FIGURE 5-7. STEER CYLINDER ASSEMBLY (SH-PAC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129268	Ref	STEER CYLINDER ASSEMBLY (SH-PAC)	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004243	1	Barrel, Cylinder	
2	70004242	1	Rod, Cylinder	
3	70004241	2	Head, Cylinder	
4	See Note	NSS	Seal, Dust (Note: Use Item 12)	
5	See Note	NSS	Seal (Note: Use Item 12)	
6	See Note	NSS	Bearing (Note: Use Item 12)	
7	See Note	NSS	O-Ring (Note: Use Item 12)	
8	See Note	NSS	O-Ring (Note: Use Item 12)	
9	See Note	NSS	Seal (Note: Use Item 12)	
10	0440259	2	Bearing	
11	2110404	2	Fitting, Straight ORFS/ORB	
12	70004239	1	Seal Kit (Includes Items 4-9)	
13	70004240	1	Spacer	

SECTION 6 - HYDRAULIC

SECTION 6 - HYDRAULIC

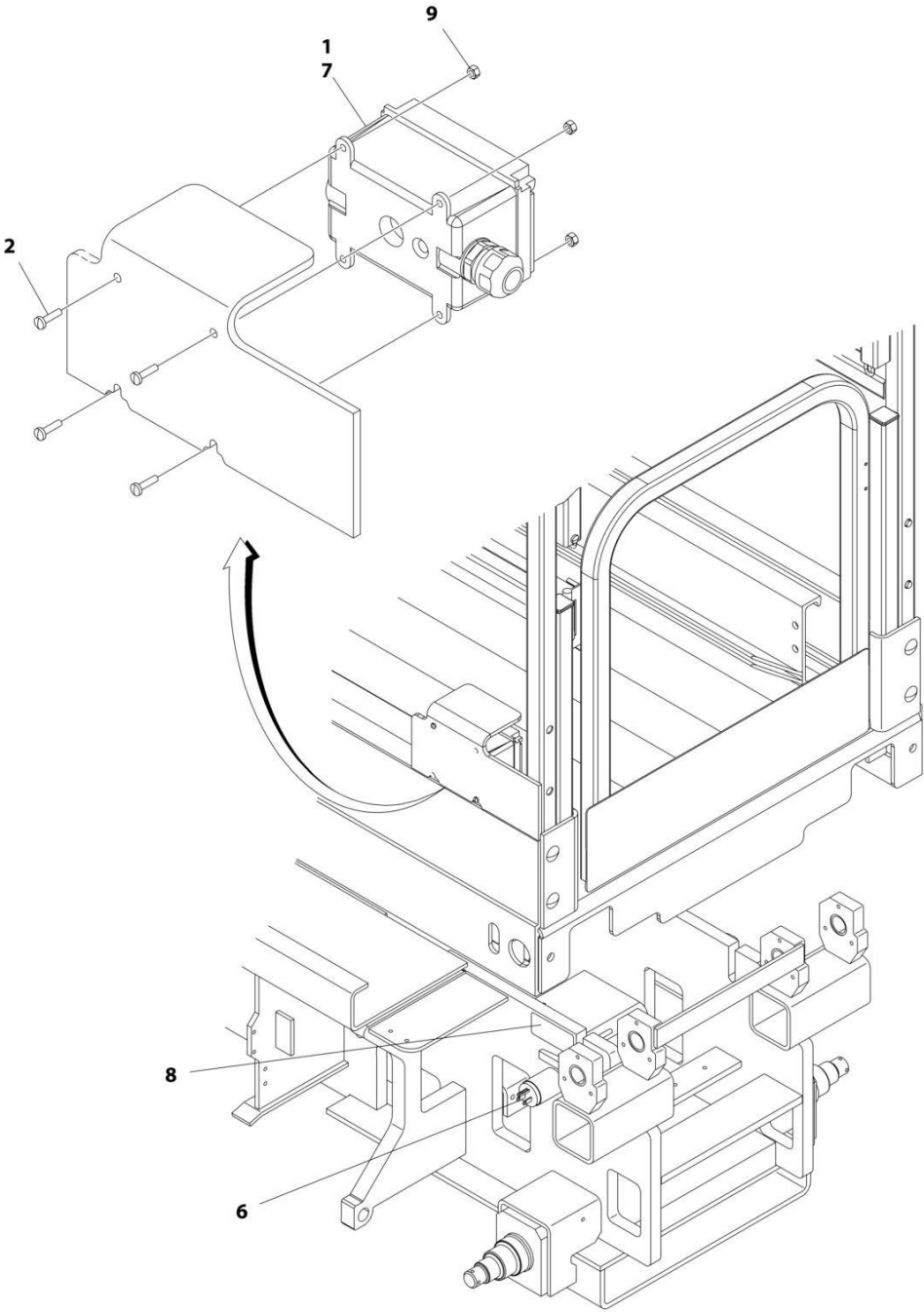
FIGURE 6-1. HYDRAULIC DIAGRAM LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC DIAGRAM LIST	
		Ref	Note: For hoses and fittings associated with steering, see Steering Installation.	
	2792599	Ref	Hydraulic Schematic - Mexico Built Machines (Not Shown - See Service Manual)	
	1001143663	Ref	Hydraulic Schematic - Belgium and China Built Machines (Not Shown - See Service Manual)	

SECTION 7 - ELECTRICAL

SECTION 7 - ELECTRICAL

FIGURE 7-1. AC BOX AT PLATFORM INSTALLATION - 110V GFI



ART_0272839

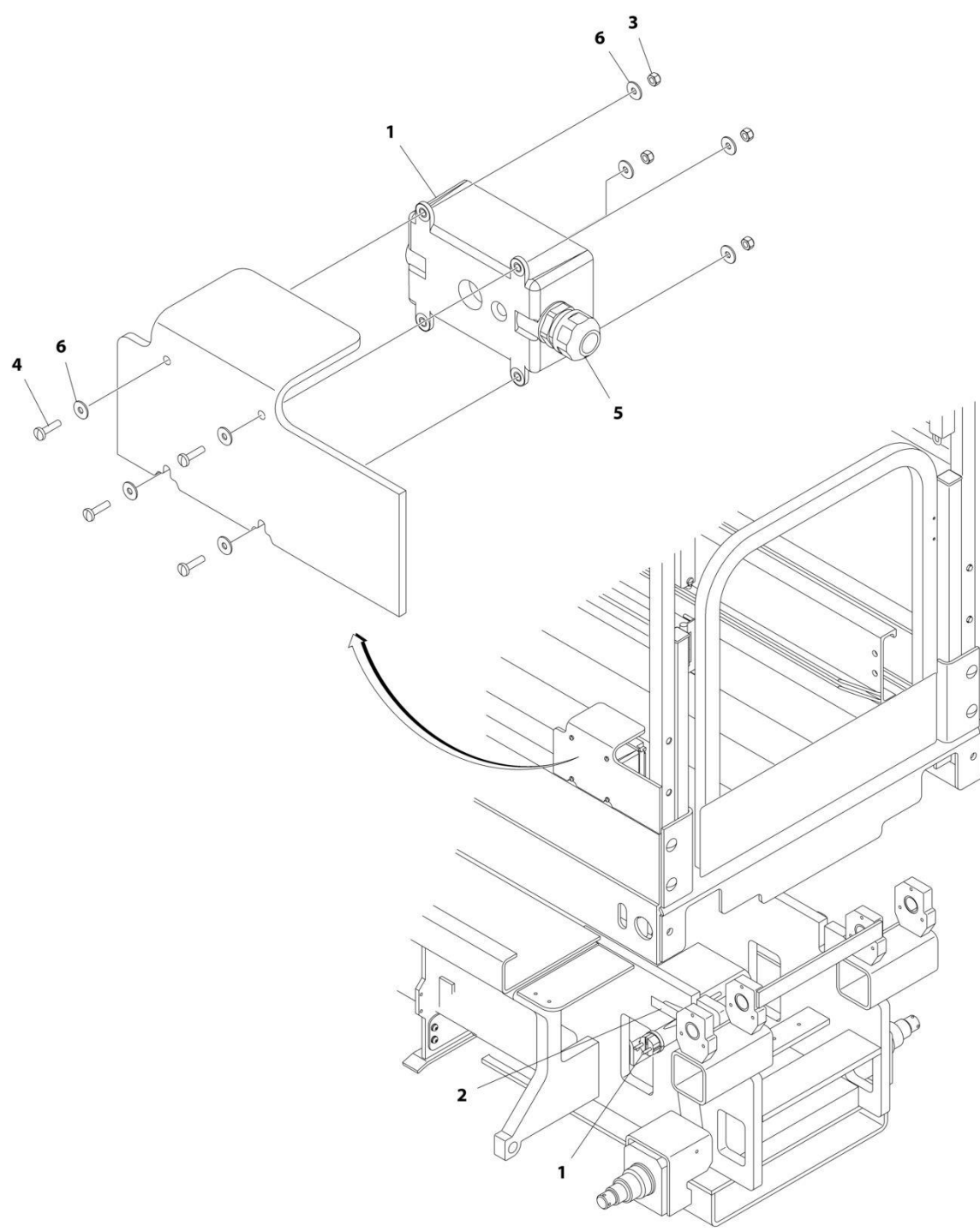
SECTION 7 - ELECTRICAL

FIGURE 7-1. AC BOX AT PLATFORM INSTALLATION - 110V GFI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272839	Ref	AC BOX AT PLATFORM INSTALLATION - 110V GFI	I
1	2902431	1	Receptacle Box Kit - 110V GFI (See Separate Breakdown in this Section)	
2	4010408	4	Screw M4 x 16	
6	4460138	1	Plug, Male	
7	4460315	3	Terminal	
8	1703464	1	Decal - 120V-60Hz AC Power to Platform	
9	3290405	4	Nut M4	

SECTION 7 - ELECTRICAL

FIGURE 7-2. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD (ANSI EXPORT SPEC ONLY)



ART_1001211593

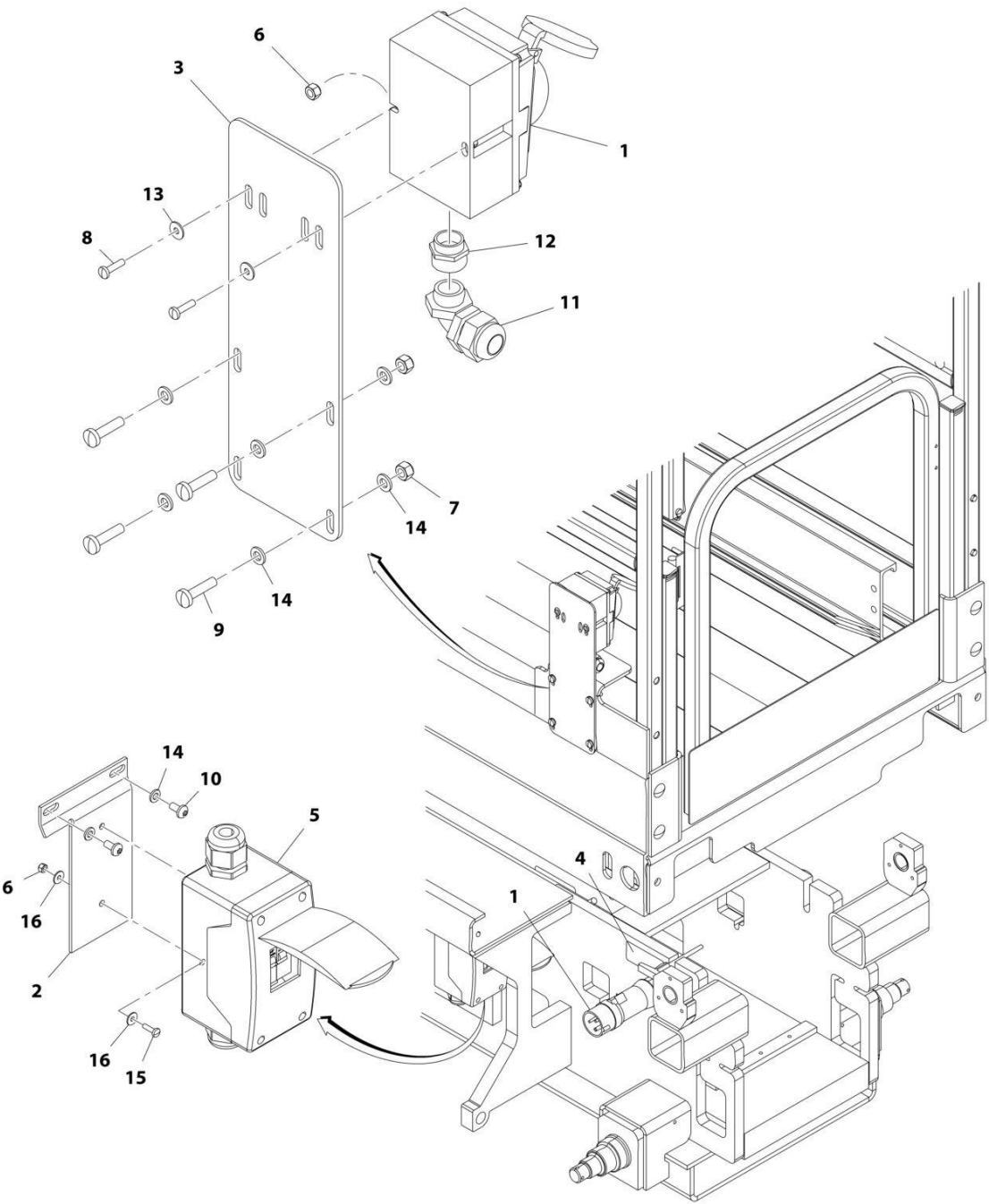
SECTION 7 - ELECTRICAL

FIGURE 7-2. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD (ANSI EXPORT SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211593	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD	A
1	0275453	1	Receptacle Box Kit - 220V CEE7 Side Ground (See Separate Breakdown in this Section)	
2	3252507	1	Decal - 220V-50/60Hz	
3	3290405	4	Nut M4	
4	4010408	4	Screw M4 x 16	
5	4460662	1	Connector, Strain Relief	
6	1001091102	8	Washer M4	

SECTION 7 - ELECTRICAL

FIGURE 7-3. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY)



ART_0275487

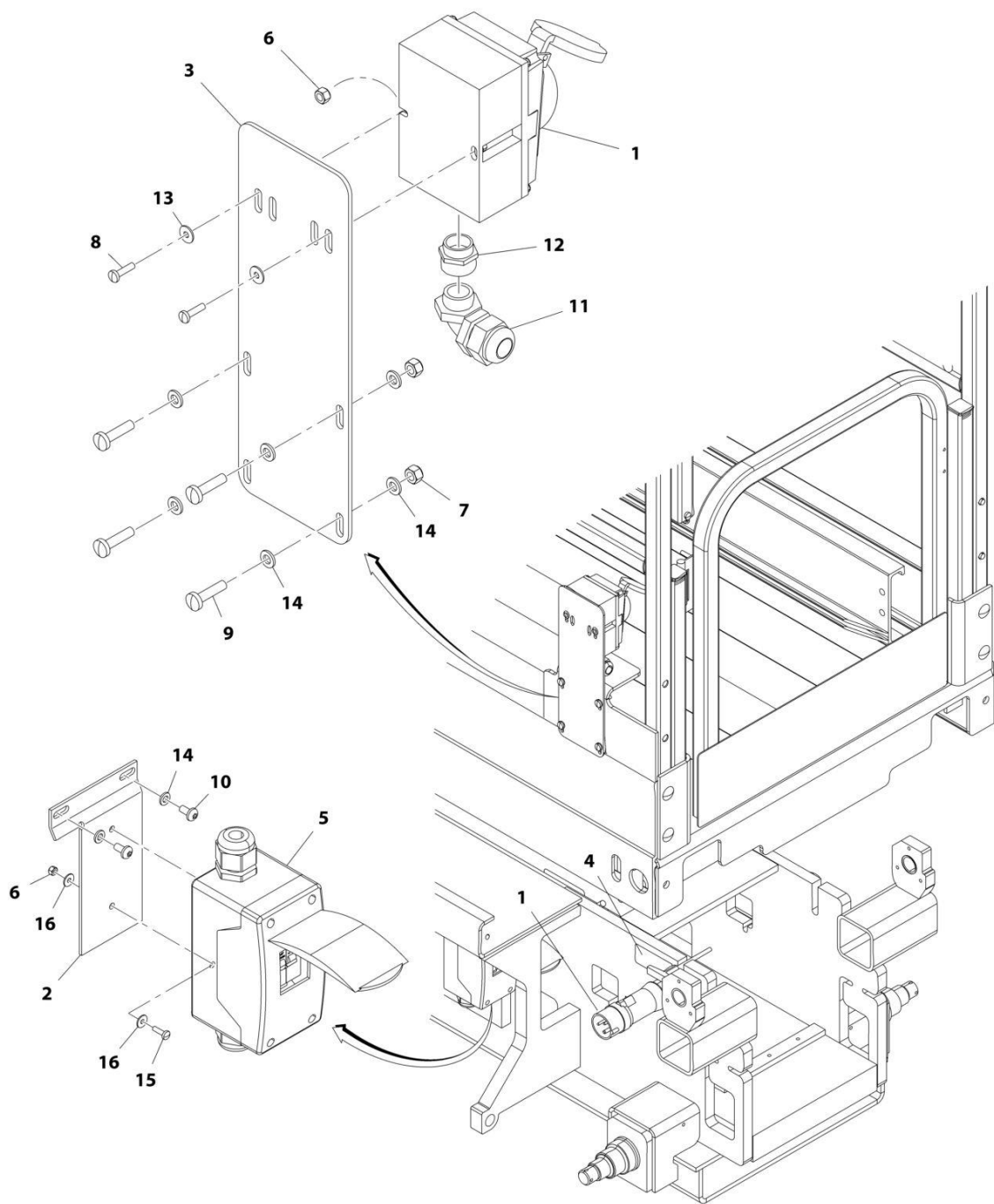
SECTION 7 - ELECTRICAL

FIGURE 7-3. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275487	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW	E
1	0275216	1	Receptacle Box Kit - 110V IEC Yellow (See Separate Breakdown in this Section)	
2	0903566	1	Bracket	
3	0903569	1	Bracket	
4	1703464	1	Decal - 120V-60Hz	
5	2902541	1	Breaker Box Kit (See Separate Breakdown in this Section)	
6	3290405	4	Nut M4	
7	3290605	4	Nut M6	
8	4010408	2	Screw M4 x 16	
9	4010612	4	Screw M6 x 25	
10	4191706	2	Screw M6 x 12	
11	4461257	1	Connector, Strain Relief	
12	4461258	1	Adapter	
13	4811400	2	Washer M4	
14	4811700	10	Washer M6	
15	1001101540	2	Screw M4 x 14	
16	1001091102	4	Washer M4	

SECTION 7 - ELECTRICAL

FIGURE 7-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPEC ONLY)



ART_0275488

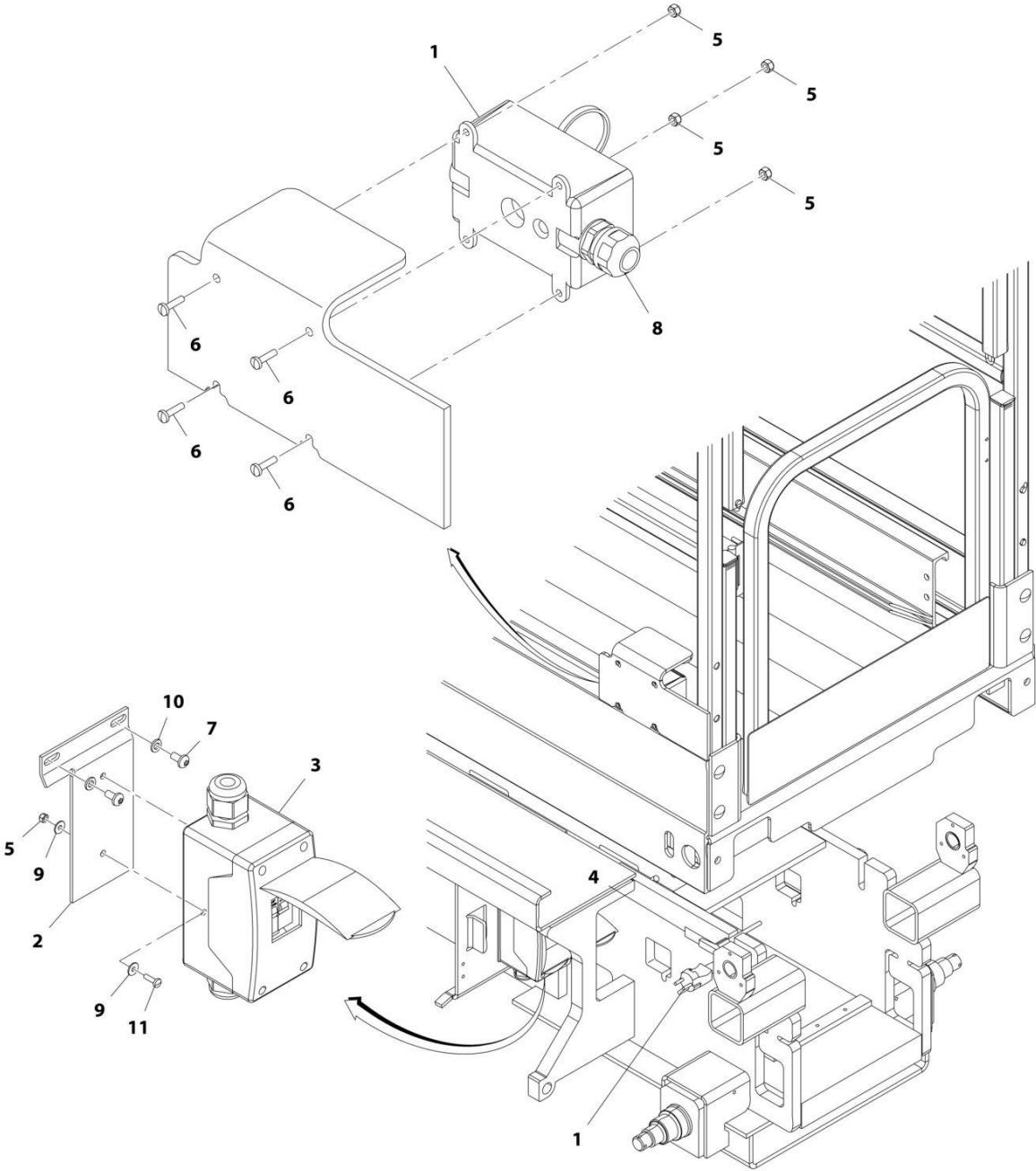
SECTION 7 - ELECTRICAL

FIGURE 7-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275488	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE	E
1	0275217	1	Receptacle Box Kit - 220V IEC Blue (See Separate Breakdown in this Section)	
2	0903566	1	Bracket	
3	0903569	1	Bracket	
4	3252507	1	Decal - 220V-50/60Hz	
5	2902541	1	Breaker Box Kit (See Separate Breakdown in this Section)	
6	3290405	4	Nut M4	
7	3290605	4	Nut M6	
8	4010408	2	Screw M4 x 16	
9	4010612	4	Screw M6 x 25	
10	4191706	2	Screw M6 x 12	
11	4461257	1	Connector, Strain Relief	
12	4461258	1	Adapter	
13	4811400	2	Washer M4	
14	4811700	10	Washer M6	
15	1001101540	2	Screw M4 x 14	
16	1001091102	4	Washer M4	

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FIGURE 7-5. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPEC ONLY)



ART_0275486

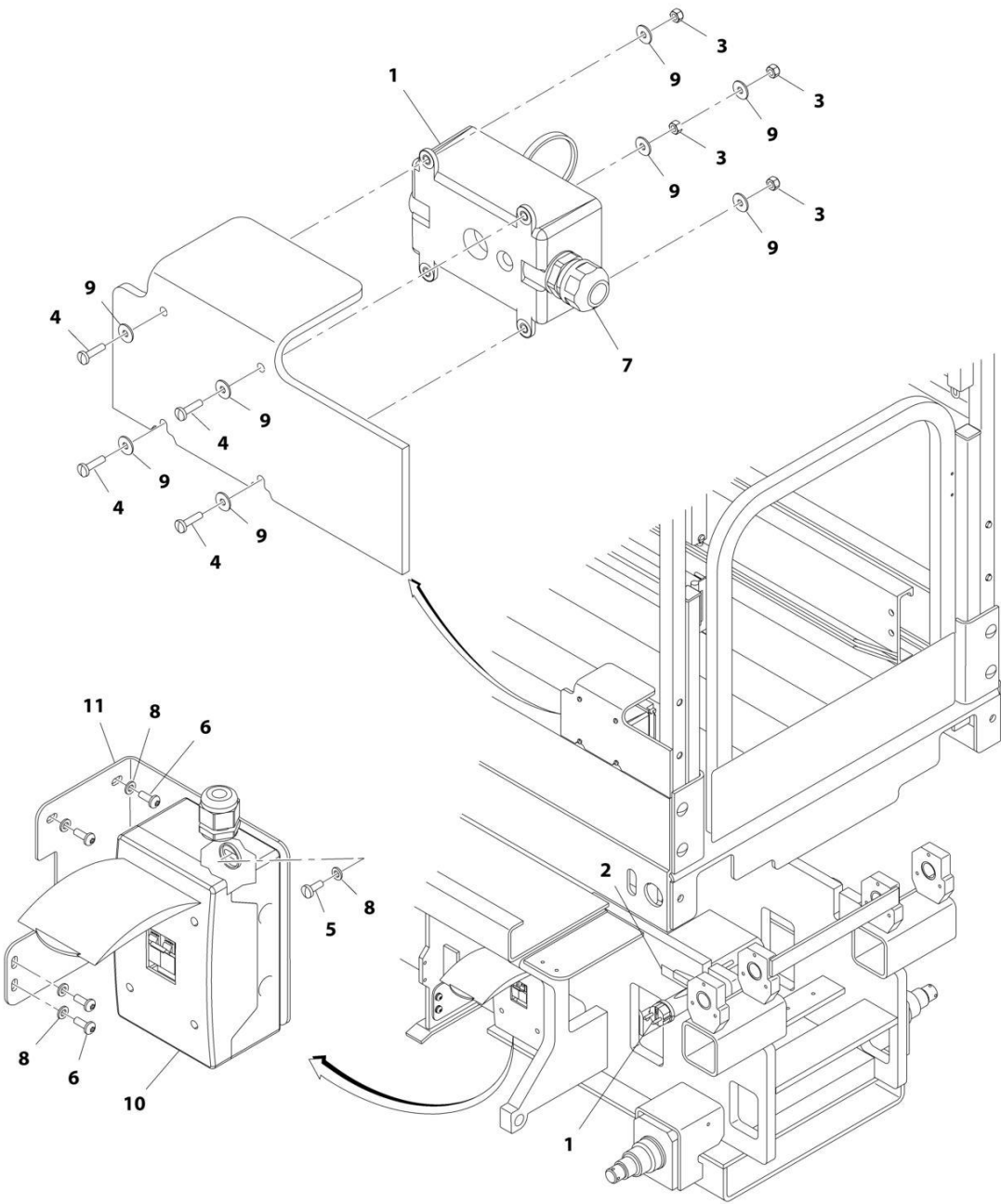
SECTION 7 - ELECTRICAL

FIGURE 7-5. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275486	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107	E
1	0275454	1	Receptacle Box Kit - 220V AFSINT107 (See Separate Breakdown in this Section)	
2	0903566	1	Bracket	
3	2902541	1	Breaker Box Kit (See Separate Breakdown in this Section)	
4	3252507	1	Decal - 220V/50-60Hz	
5	3290405	6	Nut M4	
6	4010408	4	Screw M4 x 16	
7	4191706	2	Screw M6 x 12	
8	4460662	1	Connector, Strain Relief	
9	1001091102	2	Washer M4	
10	4811700	2	Washer M6	
11	1001101540	2	Screw M4 x 14	

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FIGURE 7-6. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD (CE SPEC ONLY)



ART_1001162447

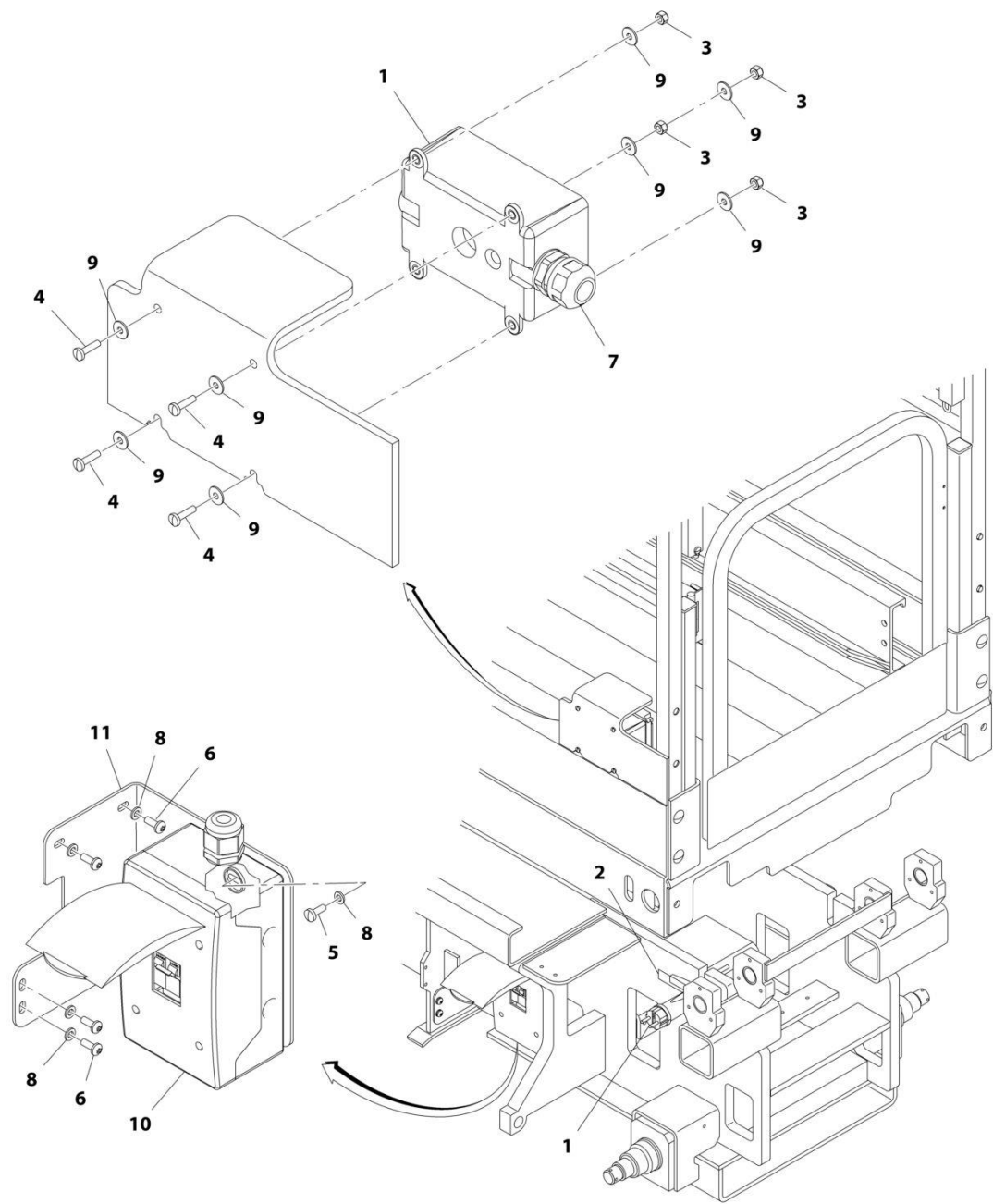
SECTION 7 - ELECTRICAL

FIGURE 7-6. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD (CE SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162447	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD	A
1	0275453	1	Receptacle Box Kit - 220V CEE7 Side Ground (See Separate Breakdown in this Section)	
2	3252507	1	Decal - 220V-50/60Hz	
3	3290405	4	Nut M4	
4	4010408	4	Screw M4 x 16	
5	4010608	2	Screw M6 x 16	
6	4191707	4	Screw M6 x 16	
7	4460662	1	Connector, Strain Relief	
8	4811700	10	Washer M6	
9	1001091102	8	Washer M4	
10	1001152485	1	Breaker Box Kit (See Separate Breakdown in this Section)	
11	1001162362	1	Bracket	

SECTION 7 - ELECTRICAL

FIGURE 7-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GRD (CE SPEC ONLY)



ART_1001162449

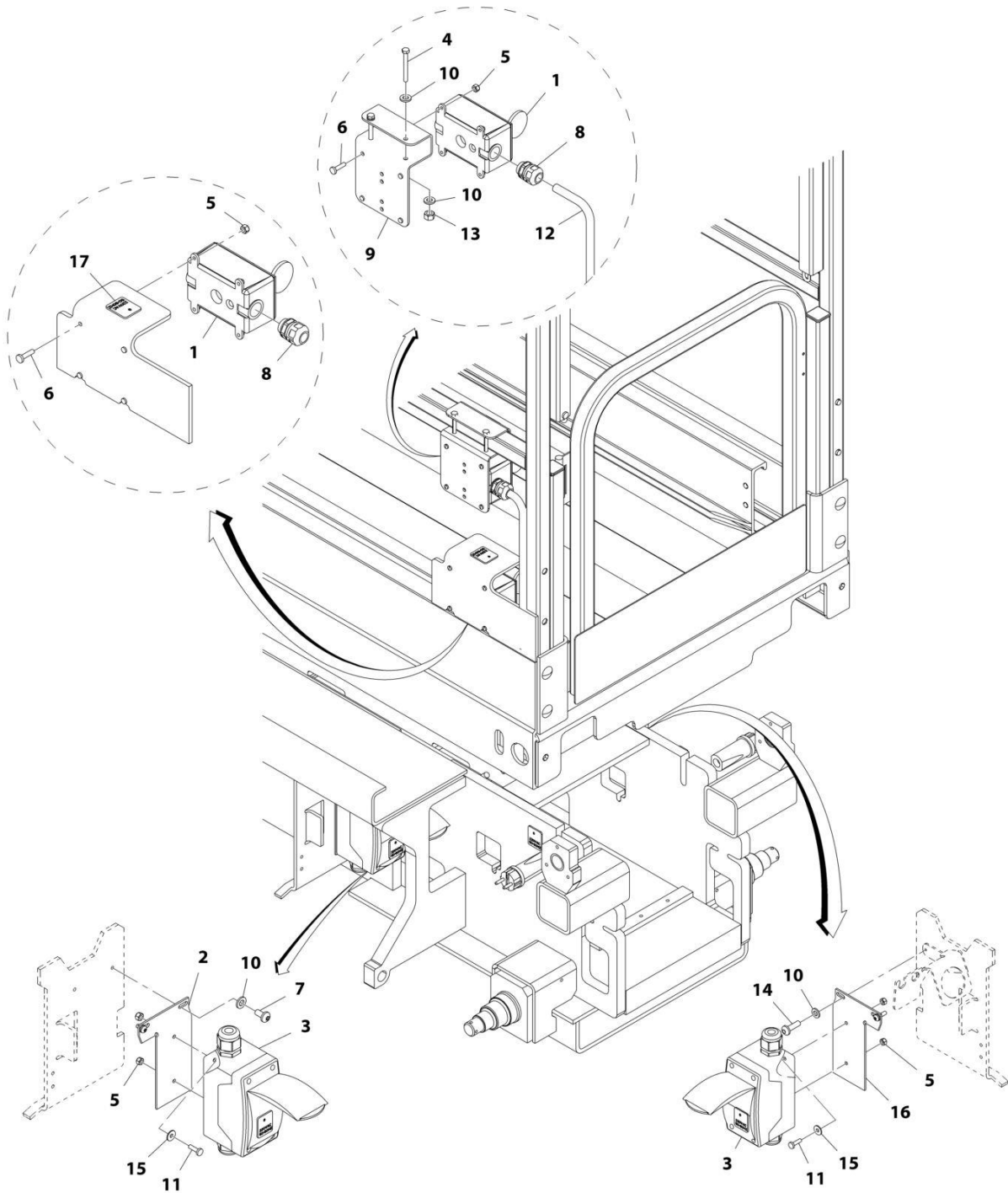
SECTION 7 - ELECTRICAL

FIGURE 7-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GRD (CE SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162449	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GRD	A
1	0275452	1	Receptacle Box Kit - 220V CEE7 Post Ground (See Separate Breakdown in this Section)	
2	3252507	1	Decal - 220V-50/60Hz	
3	3290405	4	Nut M4	
4	4010408	4	Screw M4 x 16	
5	4010608	2	Screw M6 x 16	
6	4191706	4	Screw M6 x 12	
7	4460662	1	Connector, Strain Relief	
8	4811700	6	Washer M6	
9	1001091102	8	Washer M4	
10	1001152485	1	Breaker Box Kit (See Separate Breakdown in this Section)	
11	1001162362	1	Bracket	

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FIGURE 7-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD - DUAL OUTLET (CE SPEC - 2646ES ONLY)



ART_1001096628

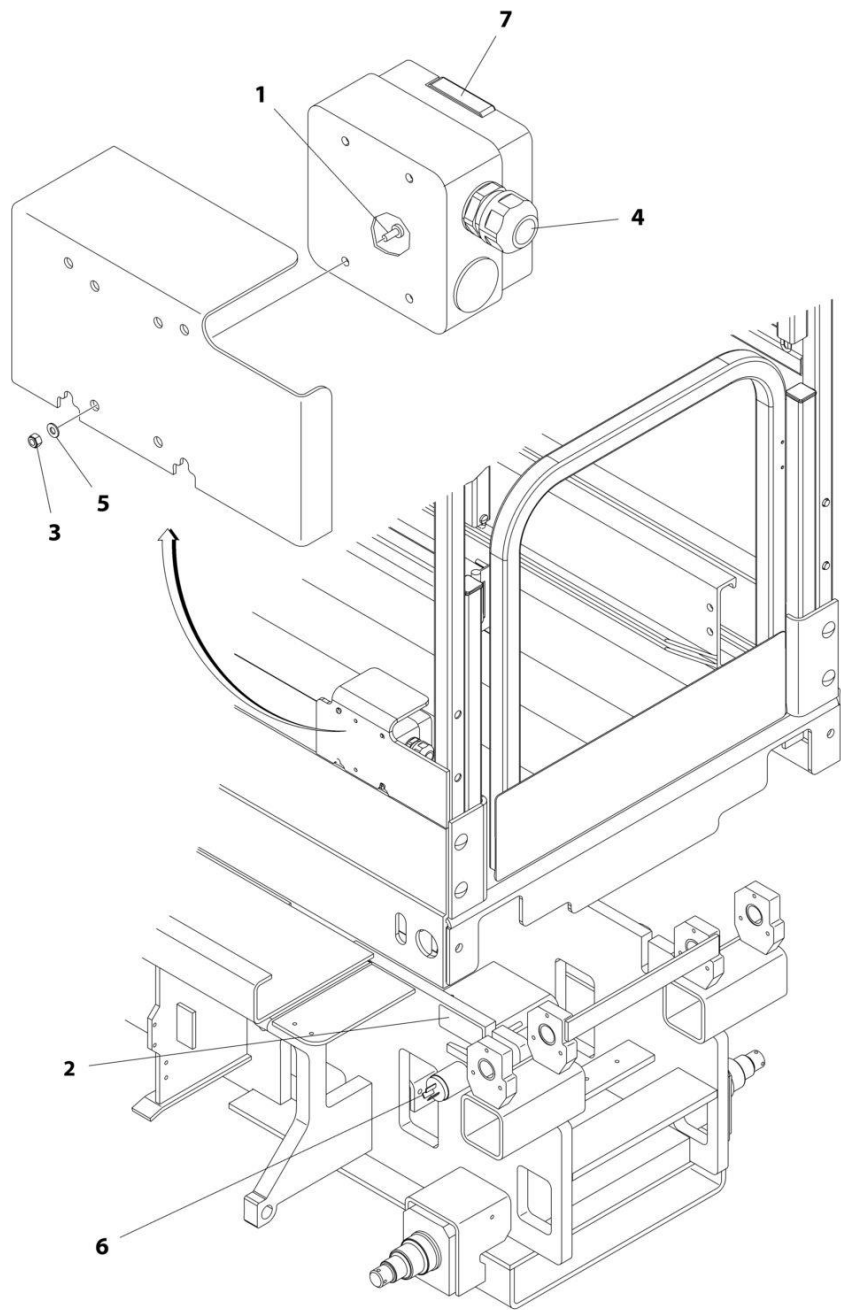
SECTION 7 - ELECTRICAL

FIGURE 7-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD - DUAL OUTLET (CE SPEC - 2646ES ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096628	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD - DUAL OUTLET	C
1	0275453	2	Receptacle Box Kit - 220V CEE7 Side Ground (See Separate Breakdown in this Section)	
2	0903566	1	Bracket	
3	2902541	2	Breaker Box Kit (See Separate Breakdown in this Section)	
4	0760619	2	Bolt M6 x 55	
5	3290405	12	Nut M4	
6	4010408	8	Screw M4 x 16	
7	4191706	2	Screw M6 x 12	
8	4460662	2	Connector, Strain Relief	
9	0903484	1	Bracket	
10	4811700	8	Washer M6	
11	1001101540	4	Screw M4 x 14	
12	1060908	46 ft/14m	Cable, 12/3	
13	3290607	2	Nut M6	
14	4191708	2	Screw M6 x 20	
15	1001091102	4	Washer M4	
16	1001096627	1	Bracket	
17	1001096926	3	Decal - 220V-50/60Hz	

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FIGURE 7-9. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI EXPORT AND CHINA SPECS ONLY)



ART_1001198711

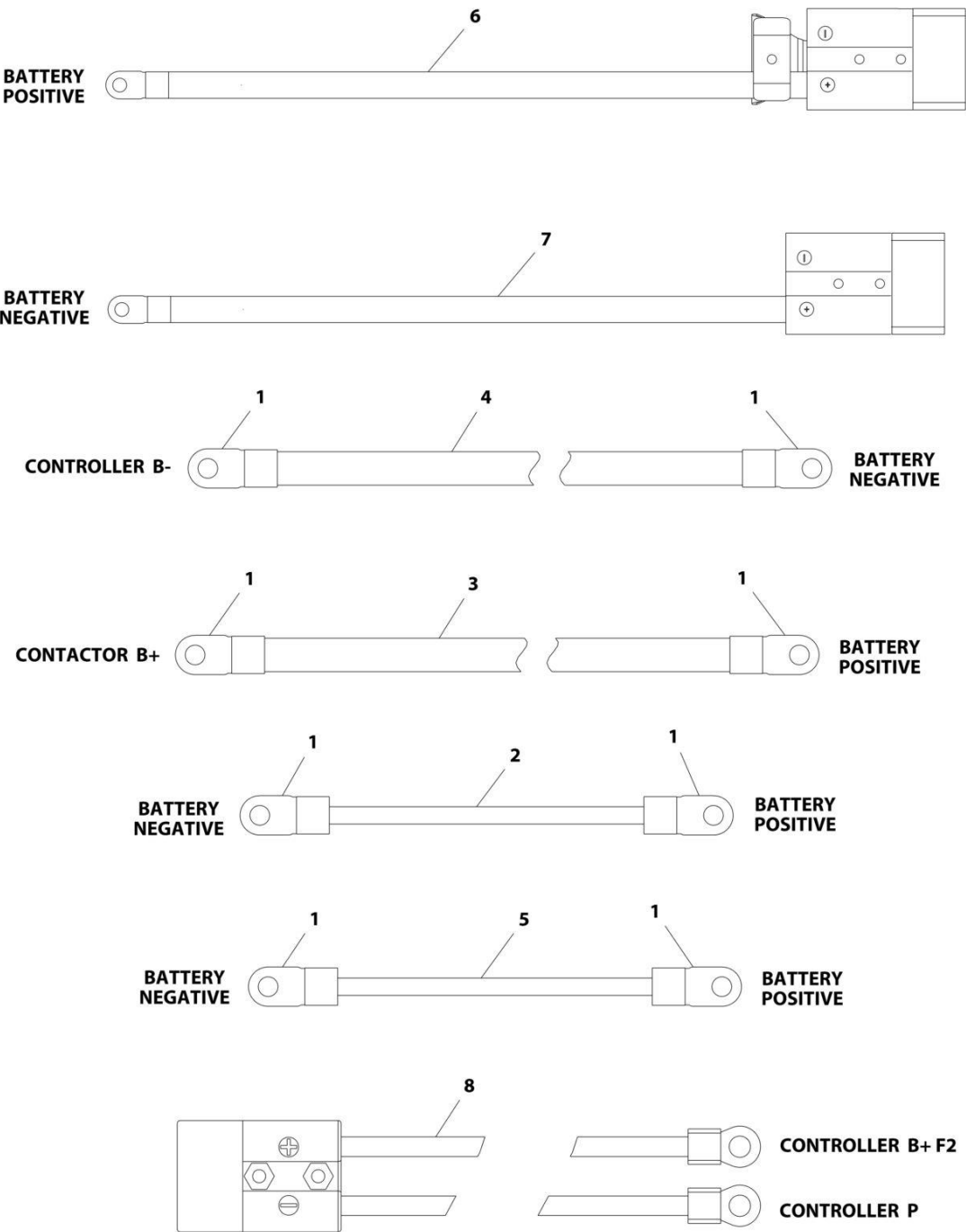
SECTION 7 - ELECTRICAL

FIGURE 7-9. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI EXPORT AND CHINA SPECS ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001198711	Ref	AC BOX AT PLATFORM INSTALLATION - 220V	A
1	4010405	4	Screw M4 X 10	
2	3252507	1	Decal - 220V-50/60Hz	
3	3290405	4	Nut M4	
4	4460968	1	Connector, Strain Relief	
5	4811400	4	Washer M4	
6	1001187816	1	Plug	
7	1001188116	1	Box, Receptacle	

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FIGURE 7-10. BATTERY CABLE KIT



ART_1001178539

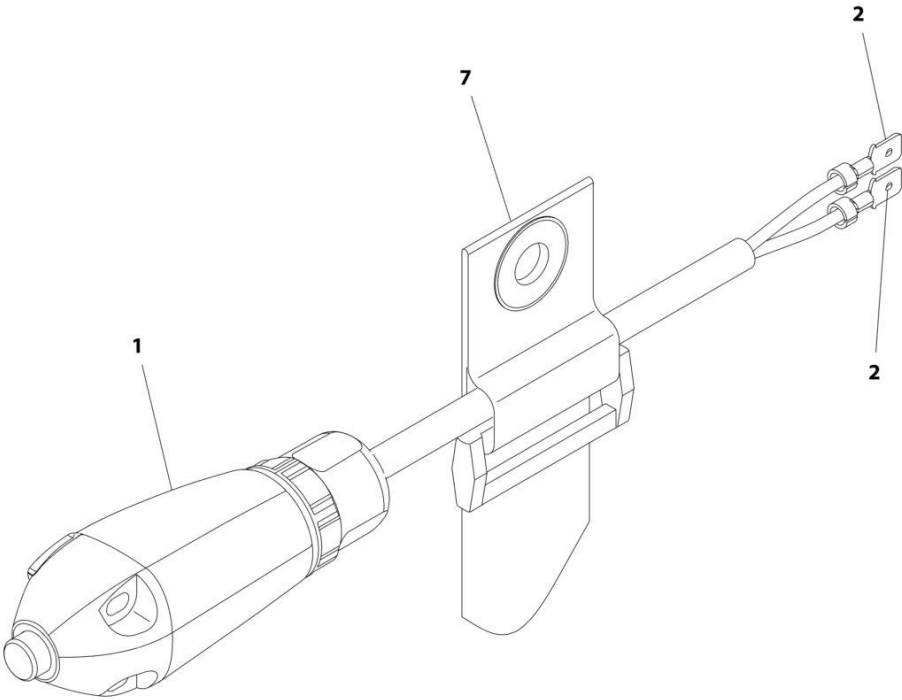
SECTION 7 - ELECTRICAL

FIGURE 7-10. BATTERY CABLE KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178539	Ref	BATTERY CABLE KIT	D
1	0840060	8	Boot, Terminal	
2	1060998	2	Cable, Battery	
3	4923406	1	Cable, Positive to Contactor	
4	4923409	1	Cable, Negative to Controller	
5	1001114992	1	Cable, Battery	
6	1001178540	1	Cable, Battery	
7	1001178541	1	Cable, Battery	
8	1001178542	1	Cable, Pump Power	

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FIGURE 7-11. BRAKE DISCONNECT HARNESS



ART_4922944

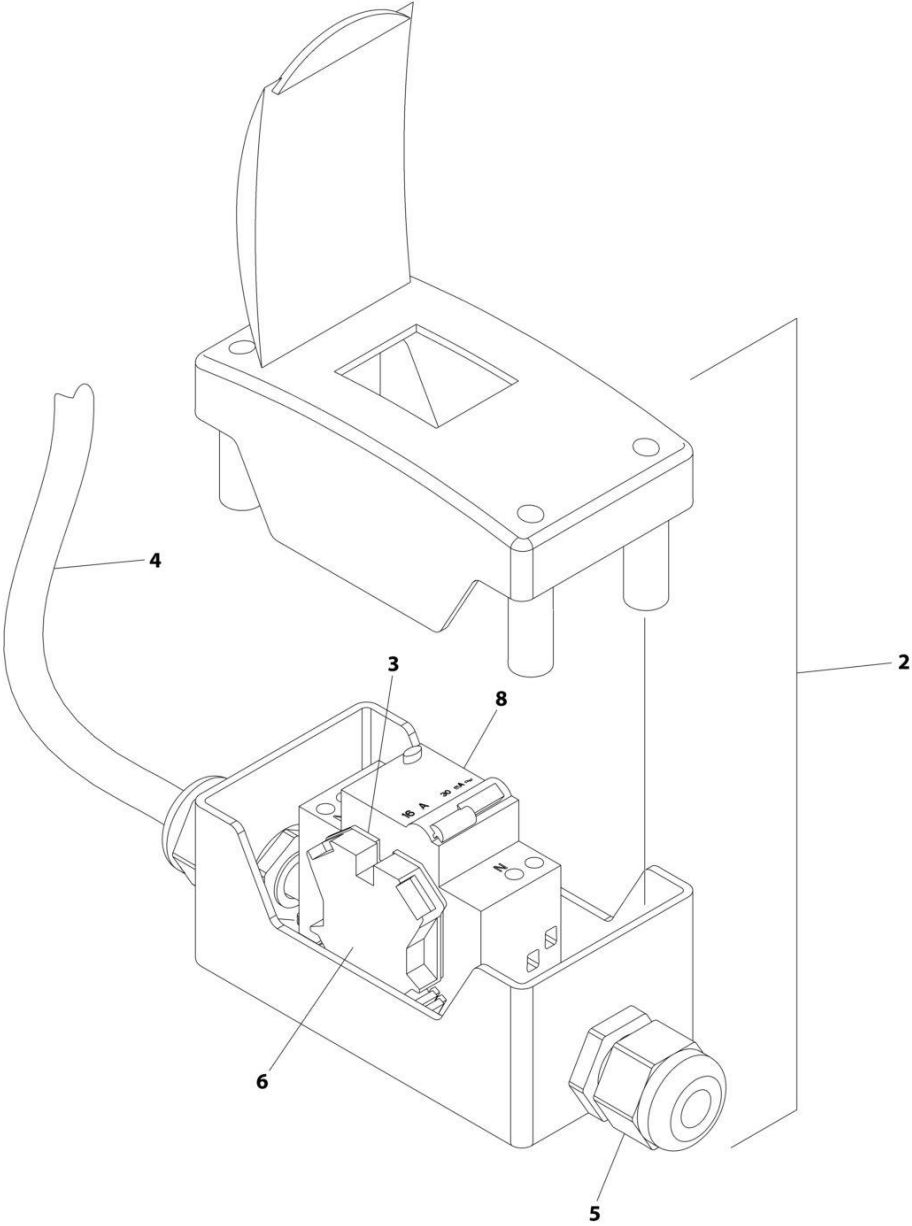
SECTION 7 - ELECTRICAL

FIGURE 7-11. BRAKE DISCONNECT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922944	Ref	BRAKE DISCONNECT HARNESS	F
1	4360613	1	Switch, Push Button Limit	
2	4461002	2	Terminal	
7	4240003	1	Strap, Cinch	

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FIGURE 7-12. BREAKER BOX KIT WITH TWO BREAKERS (CE SPEC ONLY)



ART_2902541-G

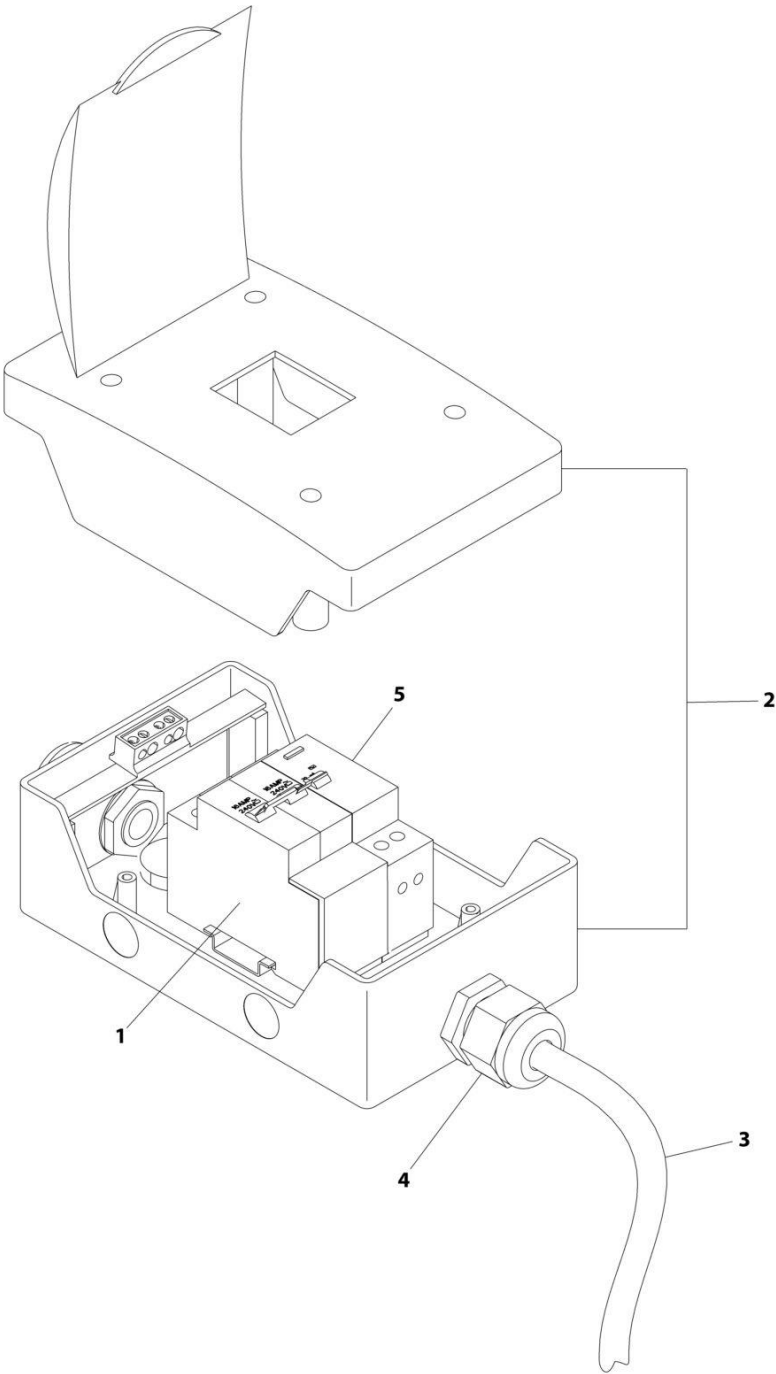
SECTION 7 - ELECTRICAL

FIGURE 7-12. BREAKER BOX KIT WITH TWO BREAKERS (CE SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902541	Ref	BREAKER BOX KIT WITH TWO BREAKERS	G
2	0861880	1	Box	
3	4460956	1	Barrier, Terminal	
4	1060908	4.6 ft /1.4m	Cable, 12/3	
5	1001097150	2	Connector, Strain Relief	
6	4460957	1	Block, Terminal	
8	1001181045	1	Breaker, 16A/30mA Combination	

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FIGURE 7-13. BREAKER BOX KIT WITH THREE BREAKERS (CE SPEC ONLY)



ART_1001152485_F

SECTION 7 - ELECTRICAL

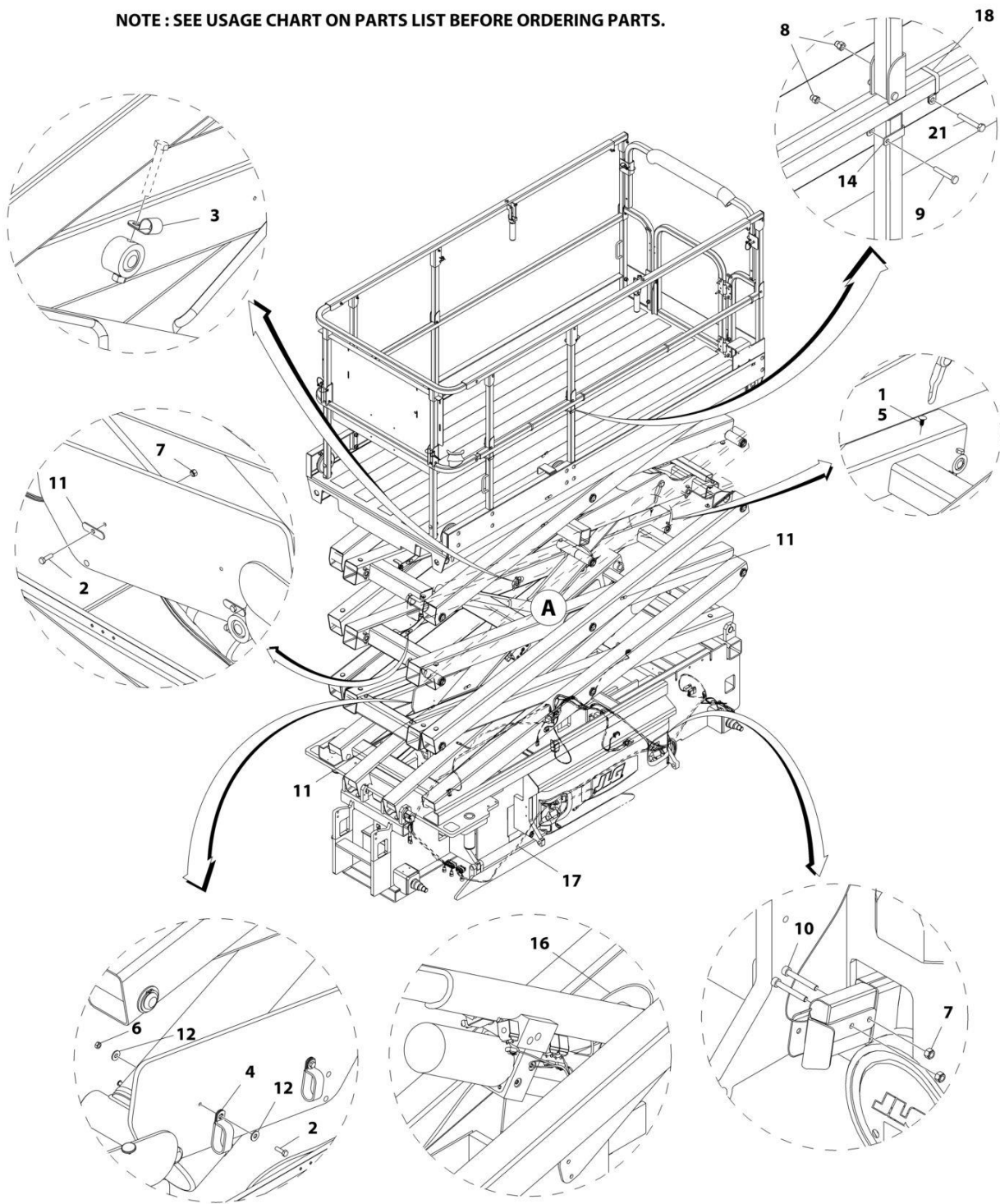
FIGURE 7-13. BREAKER BOX KIT WITH THREE BREAKERS (CE SPEC ONLY)

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

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FIGURE 7-14. CABLES INSTALLATION

NOTE : SEE USAGE CHART ON PARTS LIST BEFORE ORDERING PARTS.



DETAIL A

ART_1001219355_B

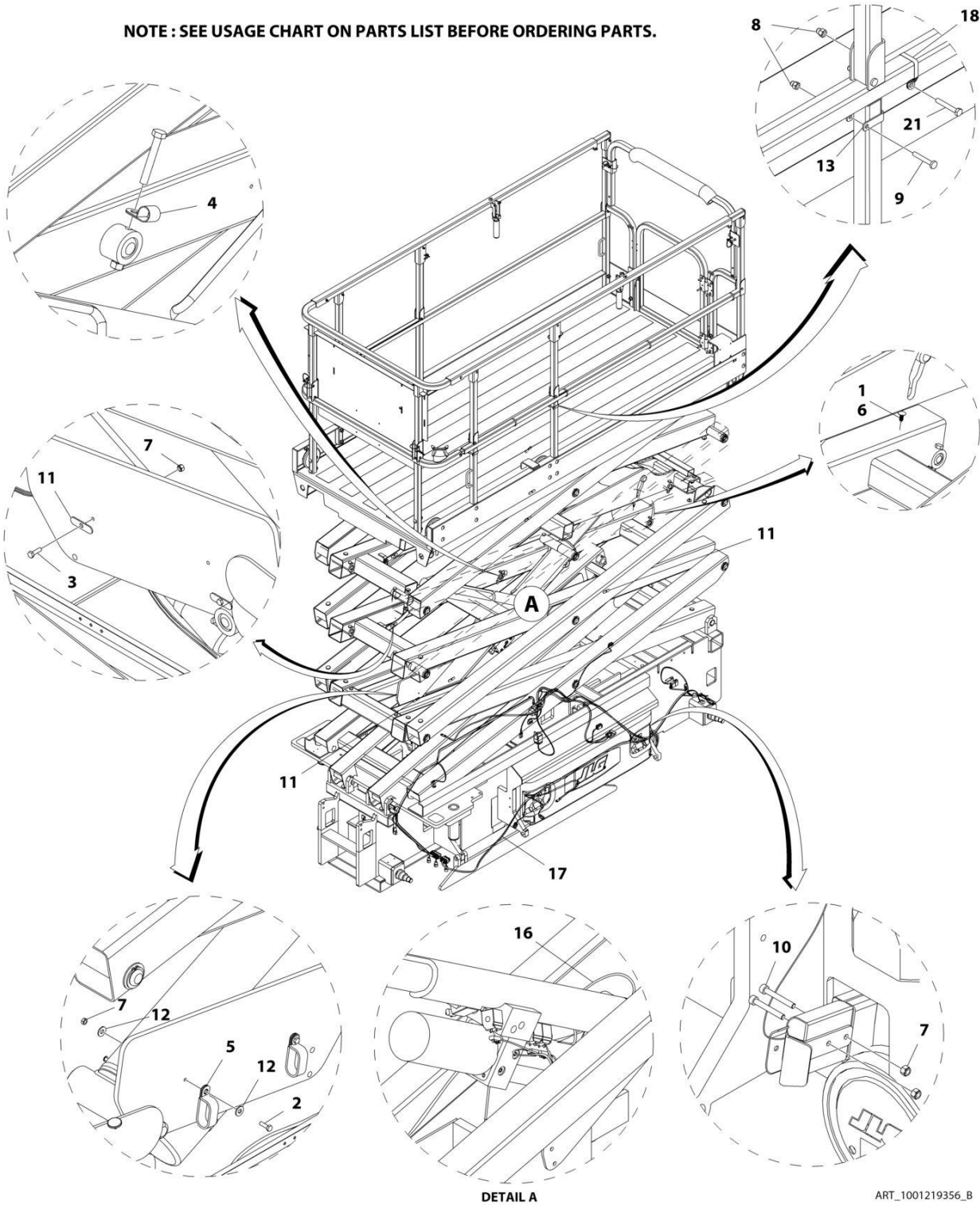
SECTION 7 - ELECTRICAL

FIGURE 7-14. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219355	Ref	CABLES INSTALLATION	B
1	0100048	AR	Compound, Sealing	
2	0760610	4	Bolt M6 x 20	
3	1320318	1	Clamp	
4	1321716	2	Clamp	
5	1380158	21	Clip, Retainer	
6	3290601	2	Nut M6	
7	3290605	4	Nut M6	
8	3290606	6	Nut M6	
9	4010616	2	Screw M6 x 40	
10	4031713	2	Capscrew M6 x 45	
11	4740545	8	Washer	
12	4751400	4	Washer 1/4	
13	1001178686	1	Ground to Platform Harness (Not Shown - See Separate Breakdown in this Section)	
14	1001094175	2	Clamp	
15	1001096707	1	Platform Harness (Includes Item 18) (Not Shown - See Separate Breakdown in this Section)	
16	1001115002	1	Cylinder Harness (See Separate Breakdown in this Section)	
17	1001187231	1	Chassis Harness (See Separate Breakdown in this Section)	
18	1001220668	4	Clamp	
19	1001178539	1	Battery Cable Kit (Not Shown - See Separate Breakdown in this Section)	
20	1001178543	1	Pump Power Harness (Not Shown - See Separate Breakdown in this Section)	
21	0760606	4	Bolt M6 x 12	
21	0760605	4	Bolt M6 x 10	

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FIGURE 7-15. CABLES INSTALLATION



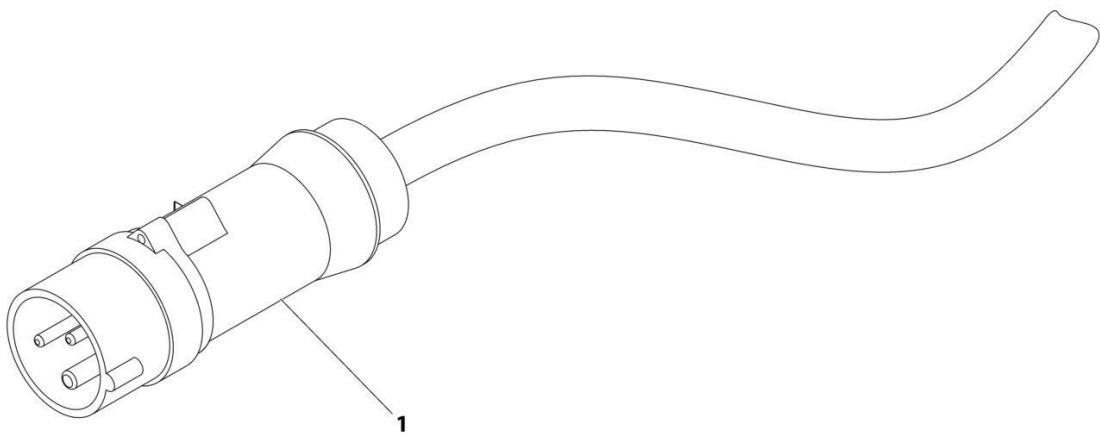
SECTION 7 - ELECTRICAL

FIGURE 7-15. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219356	Ref	CABLE INSTALLATION	B
1	0100048	AR	Compound, Sealing	
2	0700614	2	Bolt, M6 x 30	
3	0760610	2	Bolt M6 x 20	
4	1320318	1	Clamp	
5	1321716	2	Clamp	
6	1380158	21	Clip, Retainer	
7	3290605	6	Nut M6	
8	3290606	6	Nut M6	
9	4010616	2	Screw M6 x 40	
10	4031713	2	Capscrew M6 x 45	
11	4740545	8	Washer	
12	4751400	4	Washer 1/4	
13	1001094175	2	Clamp	
14	1001178684	1	Ground to Platform Harness (Not Shown - See Separate Breakdown in this Section)	
15	1001096707	1	Platform Harness (Includes Item 18) (Not Shown - See Separate Breakdown in this Section)	
16	1001115002	1	Cylinder Harness (See Separate Breakdown in this Section)	
17	1001187231	1	Chassis Harness (See Separate Breakdown in this Section)	
18	1001220668	4	Clamp	
19	1001178539	1	Battery Cable Kit (Not Shown - See Separate Breakdown in this Section)	
20	1001178543	1	Pump Power Harness (Not Shown - See Separate Breakdown in this Section)	
21	0760606	4	Bolt M6 x 12	
21	0760605	4	Bolt M6 x 10	

SECTION 7 - ELECTRICAL

FIGURE 7-16. CHARGER CORD PLUG INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY)



ART_ 0275666

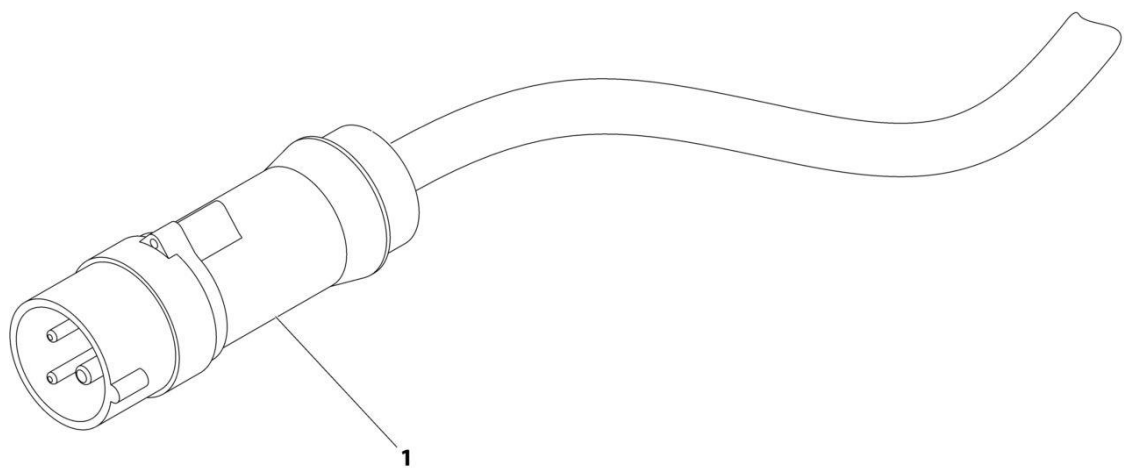
SECTION 7 - ELECTRICAL

FIGURE 7-16. CHARGER CORD PLUG INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275666	Ref	CHARGER CORD PLUG INSTALLATION - 110V IEC YELLOW	B
1	4461196	1	PLUG Plug	

SECTION 7 - ELECTRICAL

FIGURE 7-17. CHARGER CORD PLUG INSTALLATION - 220V IEC BLUE (CE SPEC)



ART_0275667

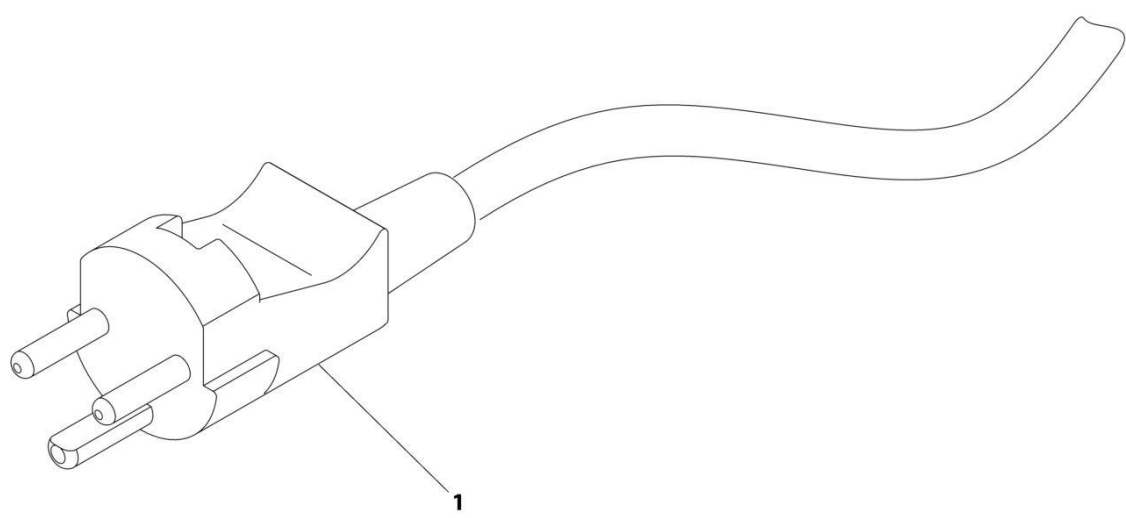
SECTION 7 - ELECTRICAL

FIGURE 7-17. CHARGER CORD PLUG INSTALLATION - 220V IEC BLUE (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	0275667 4461199	Ref 1	CHARGER CORD PLUG INSTALLATION - 220V IEC BLUE PLUG Plug	B

SECTION 7 - ELECTRICAL

FIGURE 7-18. CHARGER CORD PLUG INSTALLATION - 220V AFSINT 107 (CE SPEC)



ART_0275665

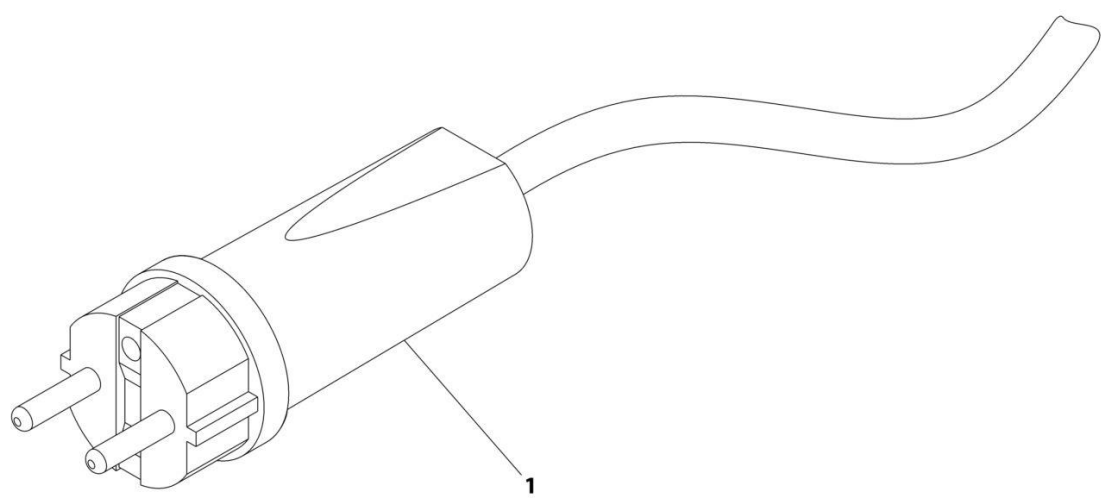
SECTION 7 - ELECTRICAL

FIGURE 7-18. CHARGER CORD PLUG INSTALLATION - 220V AFSINT 107 (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275665	Ref	CHARGER CORD PLUG INSTALLATION - 220V AFSINT 107	B
1	4461249	1	KEYED GROUND Plug	

SECTION 7 - ELECTRICAL

FIGURE 7-19. CHARGER CORD PLUG INSTALLATION - 220V CEE7 POST GROUND (ANSI EXPORT, CE, CHINA AND KOREA SPECS)



ART_0275664

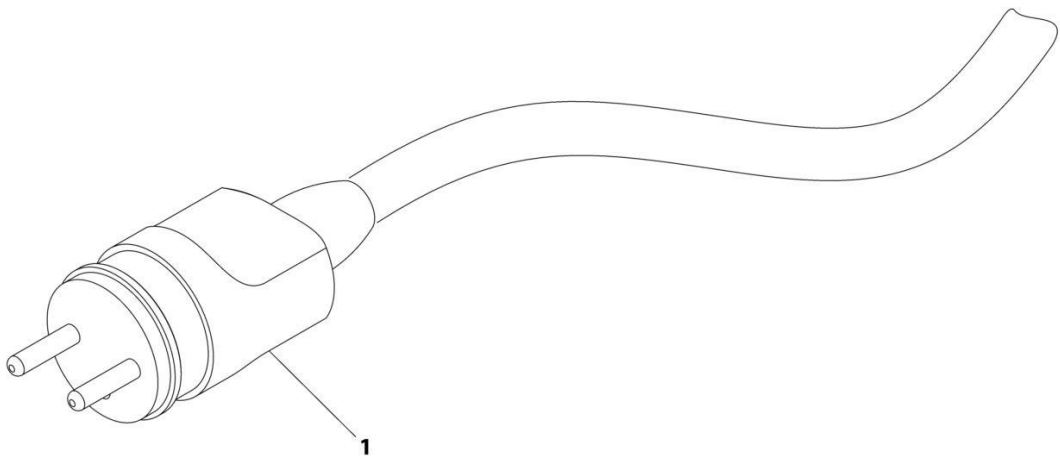
SECTION 7 - ELECTRICAL

FIGURE 7-19. CHARGER CORD PLUG INSTALLATION - 220V CEE7 POST GROUND (ANSI EXPORT, CE, CHINA AND KOREA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275664	Ref	CHARGER CORD PLUG INSTALLATION - 220V CEE7 SIDE GROUND	A
1	4461205	1	Plug	

SECTION 7 - ELECTRICAL

FIGURE 7-20. CHARGER CORD PLUG INSTALLATION - 220V POST GROUND (CE SPEC)



ART_0275663-C

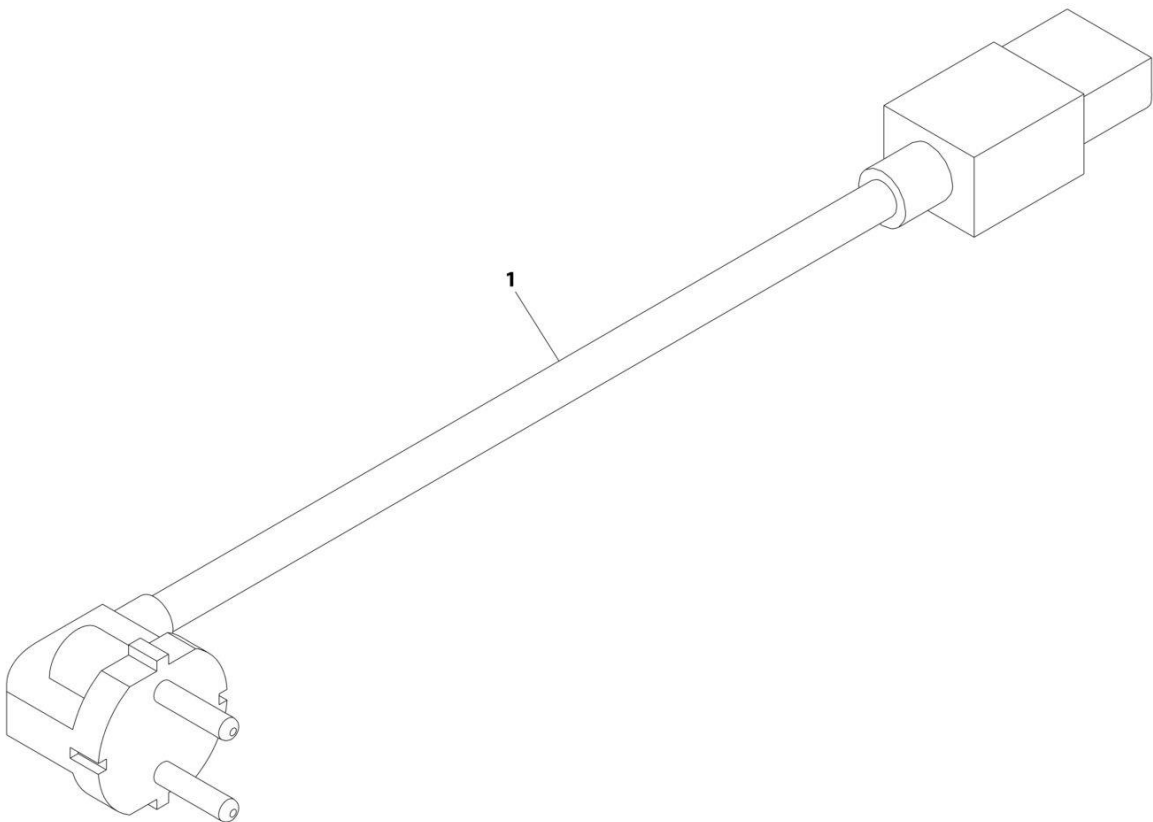
SECTION 7 - ELECTRICAL

FIGURE 7-20. CHARGER CORD PLUG INSTALLATION - 220V POST GROUND (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	0275663 4461205	Ref 1	CHARGER CORD PLUG INSTALLATION - 220V POST GROUND Plug	C

SECTION 7 - ELECTRICAL

FIGURE 7-21. CHARGER CORD PLUG INSTALLATION (KOREA SPEC)



ART_1001221984

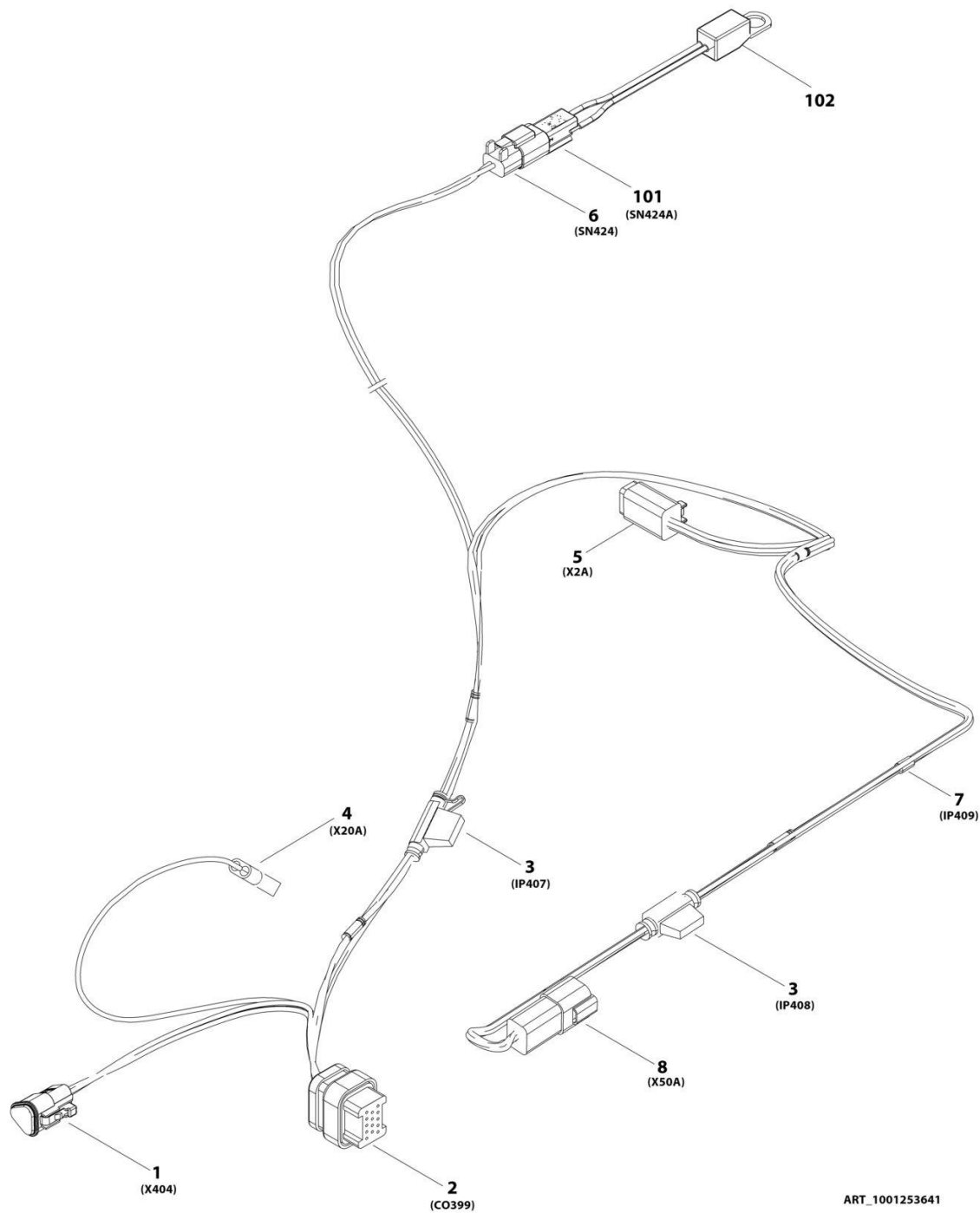
SECTION 7 - ELECTRICAL

FIGURE 7-21. CHARGER CORD PLUG INSTALLATION (KOREA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001221984	Ref	CHARGER CORD PLUG INSTALLATION	A
	1001221949	1	AC Input Cord and Plug	

SECTION 7 - ELECTRICAL

FIGURE 7-22. CHARGER HARNESS TO CHASSIS HARNESS



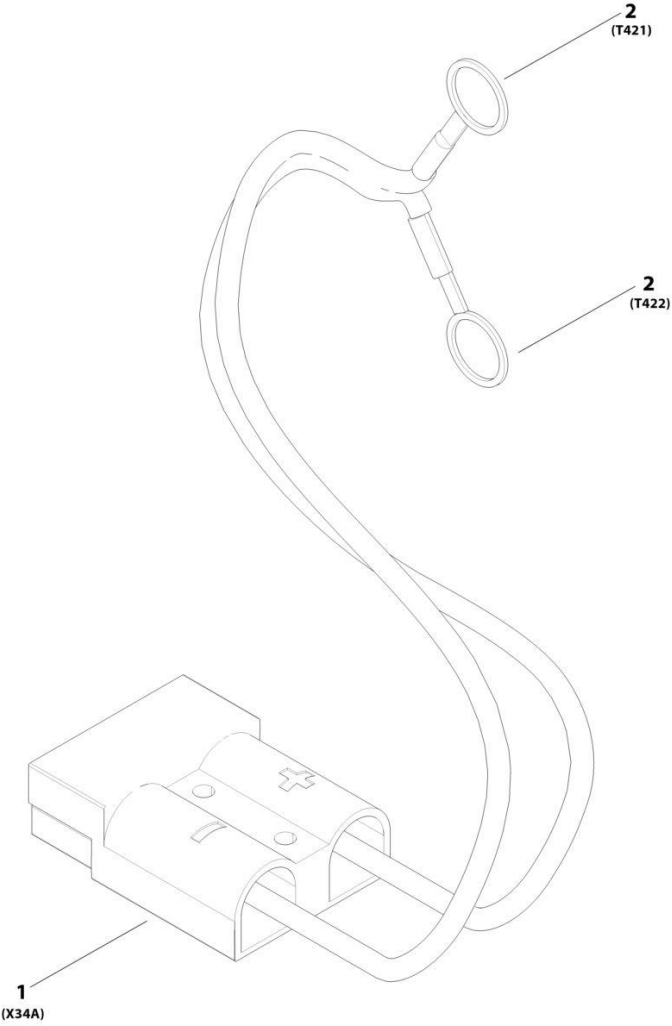
SECTION 7 - ELECTRICAL

FIGURE 7-22. CHARGER HARNESS TO CHASSIS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253641	Ref	CHARGER HARNESS TO CHASSIS HARNESS	B
1	1001116812	1	Plug, Male - 3 Position	
1	4460944	3	Socket, Female	
2	4460872	1	Connector, Male - 14 Position (Black)	
2	4460871	8	Socket, Female	
2	4460905	6	Seal	
3	2400060	2	Fuseholder with Cover	
3	1001196634	2	Fuse, 2Amp	
4	4460424	1	Connector, Female - 2 Position	
4	4460227	1	Pin, Male	
5	4460884	1	Plug, Male - 4 Position	
5	4460465	4	Socket, Female	
6	4460891	1	Plug, Male - 2 Position	
6	4460465	2	Socket, Female	
7	3990001	1	Diode	
8	4460932	1	Connector - 4 Position	
8	4460464	4	Pin, Male	
101	4460897	1	Receptacle, Female - 2 Position	
101	4460464	2	Pin, Male	
102	1001102771	1	Sensor, Temperature	

SECTION 7 - ELECTRICAL

FIGURE 7-23. CHARGER HARNESS TO BATTERY



ART_1001253638

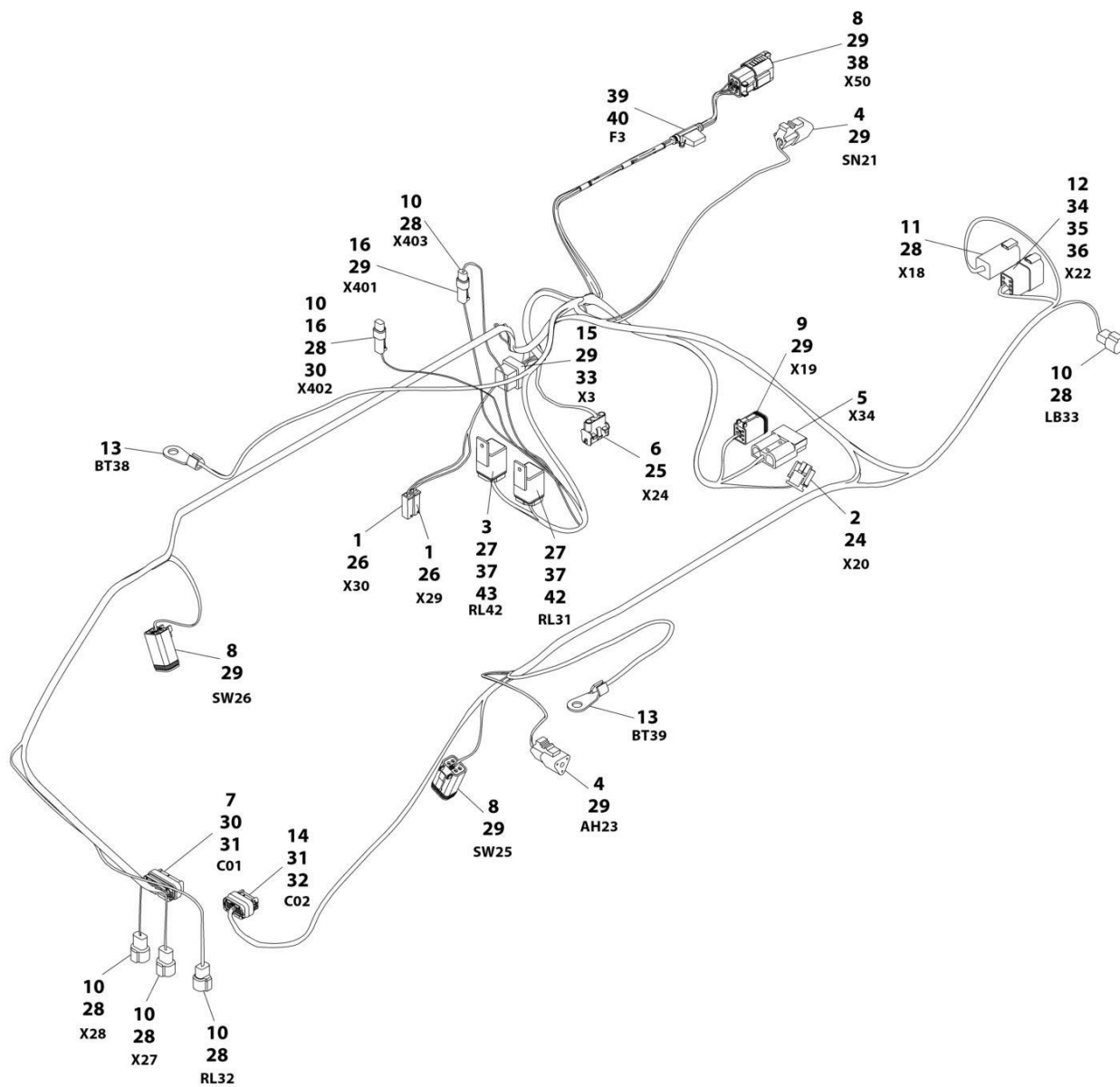
SECTION 7 - ELECTRICAL

FIGURE 7-23. CHARGER HARNESS TO BATTERY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253638	Ref	CHARGER HARNESS TO BATTERY	A
1	4460975	1	Connector, Anderson	
1	1001151824	2	Terminal	
2	4460019	2	Terminal, Ring	

SECTION 7 - ELECTRICAL

FIGURE 7-24. CHASSIS HARNESS



ART_1001187231_I

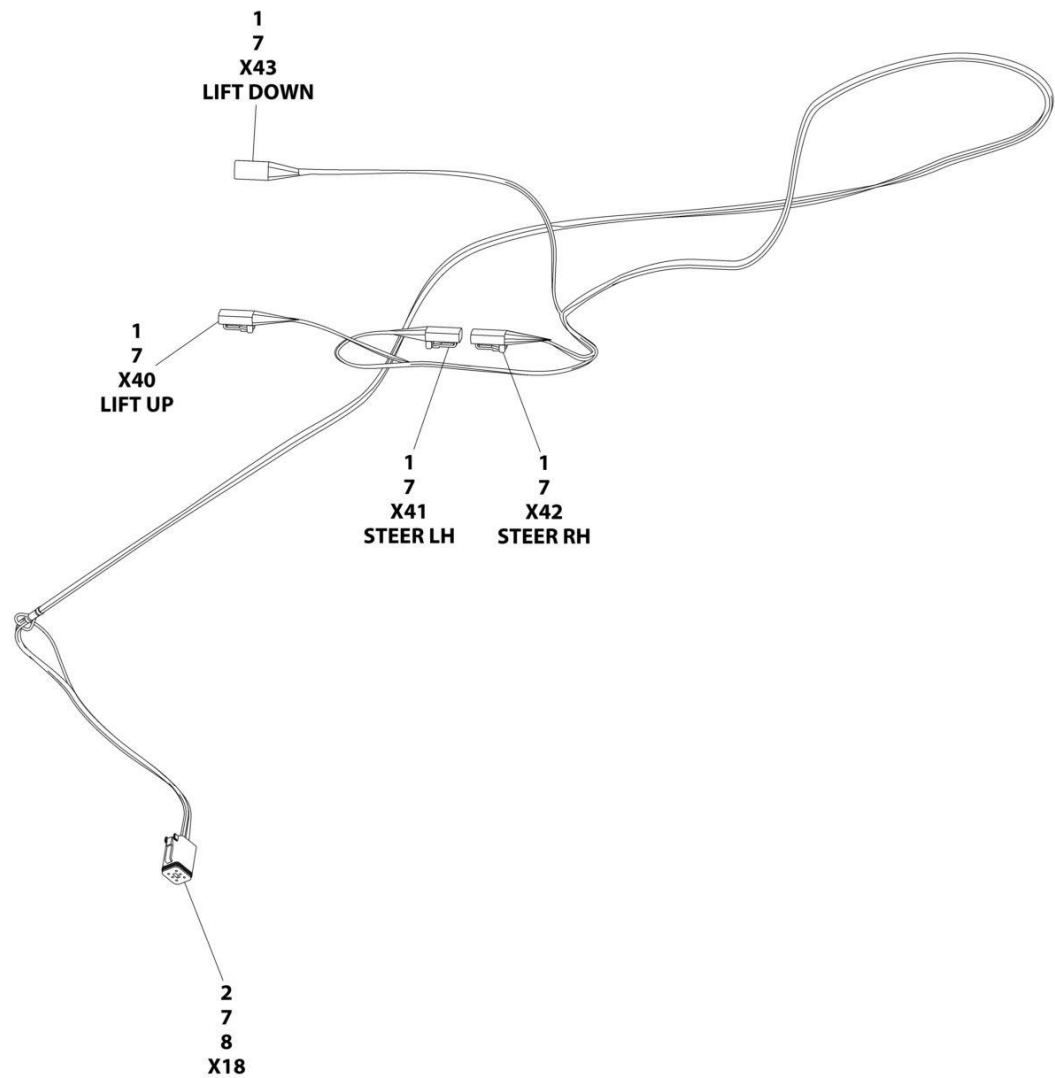
SECTION 7 - ELECTRICAL

FIGURE 7-24. CHASSIS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187231	Ref	CHASSIS HARNESS	I
1	4460260	2	Housing, Terminal	
2	4460320	1	Plug, Male - 2 Position	
3	4460374	1	Plug, Relay	
4	4460539	2	Plug, Male - 3 Position	
5	4460648	1	Connector, Anderson	
6	4460761	1	Receptacle, Female - 4 Position	
7	4460873	1	Connector - 35 Position (Black)	
8	4460884	3	Plug, Male - 4 Position	
9	4460894	1	Plug, Male - 6 Position	
10	4460897	5	Receptacle, Female - 2 Position	
11	4460899	1	Receptacle, Female - 6 Position	
12	4460931	1	Receptacle, Female - 8 Position	
13	4460986	2	Terminal, Ring	
14	1001096138	1	Connector - 23 Position	
15	1001115076	1	Connector - 18 Position	
16	4460891	2	Plug, Male - 2 Position	
24	4460226	2	Socket, Female	
25	4460227	4	Pin, Male	
26	4460259	2	Terminal	
27	1001116732	7	Terminal	
28	4460464	18	Pin, Male	
29	4460465	34	Socket, Female	
30	4460466	9	Seal	
31	4460871	39	Socket, Female	
32	4460905	20	Seal	
33	4460942	2	Socket, Female	
34	4460943	3	Pin, Male	
35	0840058	1	Boot	
36	2820029	3 ft/0.9m	Heat Shrink	
37	1001097347	2	Relay	
38	1001192401	1	Cap, Dust	
39	2400060	1	Fuseholder with Cover	
40	8229242	1	Fuse 5Amp	
42	1001117057	1	Plug, Relay	
43	1001116733	1	Terminal	

SECTION 7 - ELECTRICAL

FIGURE 7-25. CYLINDER HARNESS



ART_1001115002

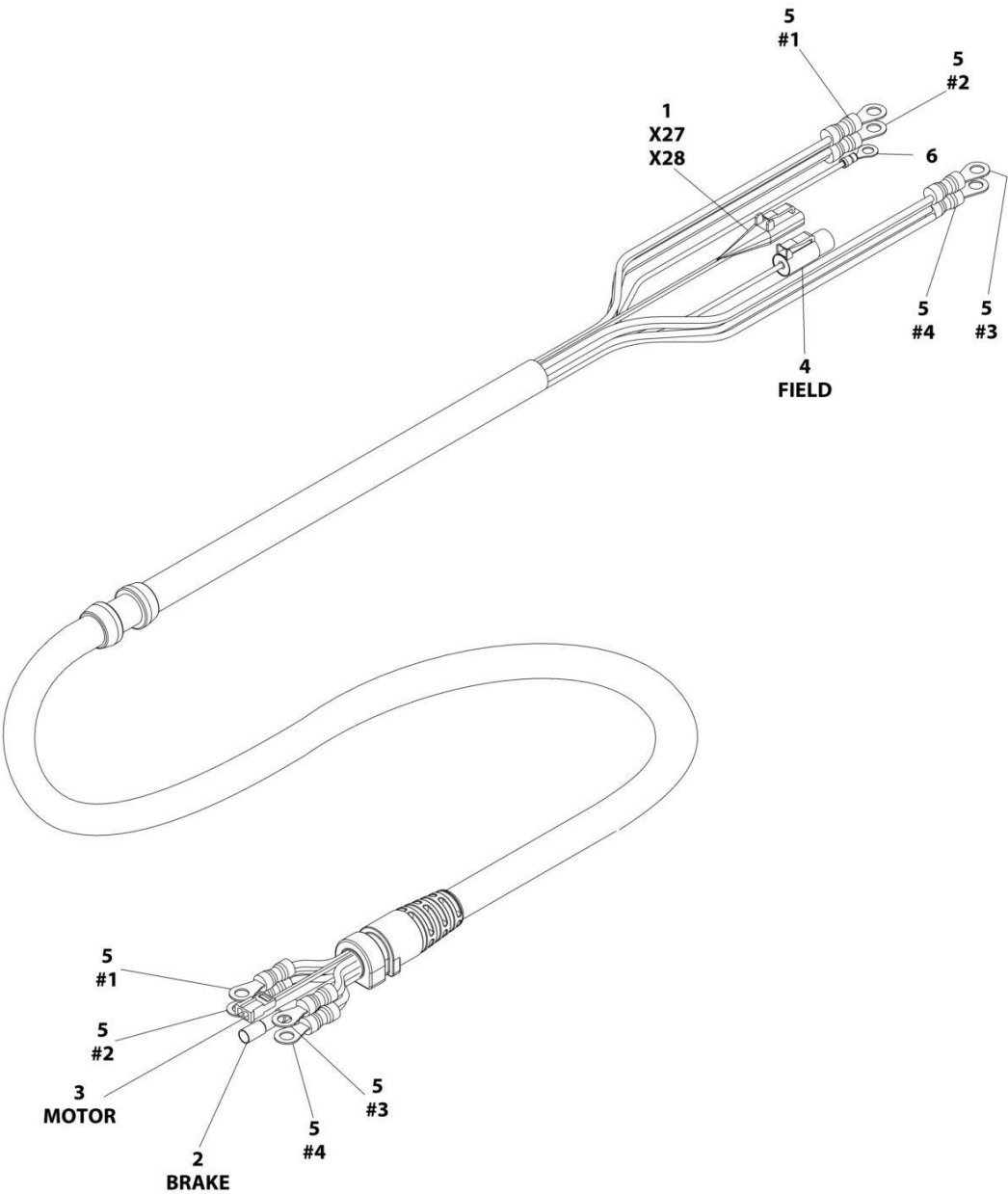
SECTION 7 - ELECTRICAL

FIGURE 7-25. CYLINDER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115002	Ref	CYLINDER HARNESS	D
1	4460891	4	Plug, Male - 2 Position	
2	4460894	1	Plug, Male - 6 Position	
7	4460465	14	Socket, Female	
8	0840059	1	Boot	

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FIGURE 7-26. DRIVE CABLE ASSEMBLY



ART_1001132439

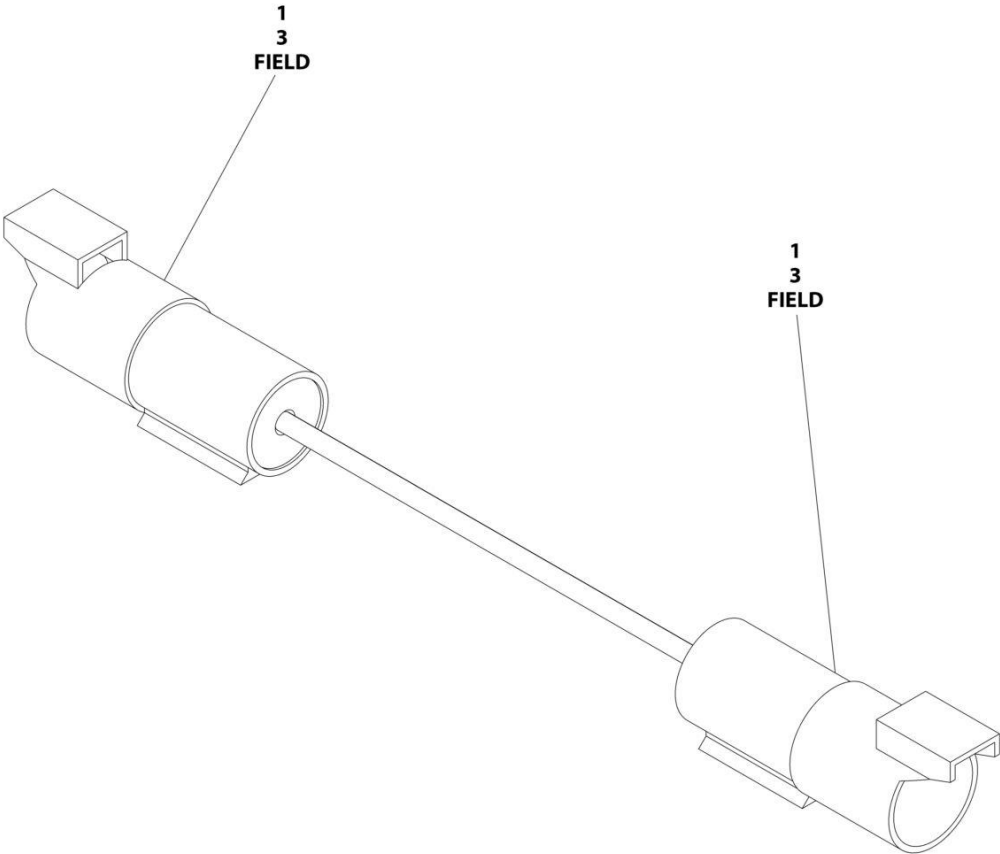
SECTION 7 - ELECTRICAL

FIGURE 7-26. DRIVE CABLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001132439	Ref	DRIVE CABLE ASSEMBLY	B
1	4460891	1	Plug, Male - 2 Position	
1	4460465	2	Socket, Female	
2	70001442	1	Plug, Male - 2 Position	
2	See Note	NSS	Socket, Female (Note: Not Available for Purchase)	
3	70001443	1	Plug, Male - 2 Position	
3	70001444	2	Socket, Female	
4	4461261	1	Plug, Male - 1 Position	
4	4460509	1	Terminal	
5	See Note	NSS	Terminal, Ring (Note: Not Available for Purchase)	
6	See Note	NSS	Terminal, Ring (Note: Not Available for Purchase)	

SECTION 7 - ELECTRICAL

FIGURE 7-27. DRIVE FIELD CONNECTION HARNESS



ART_4923602

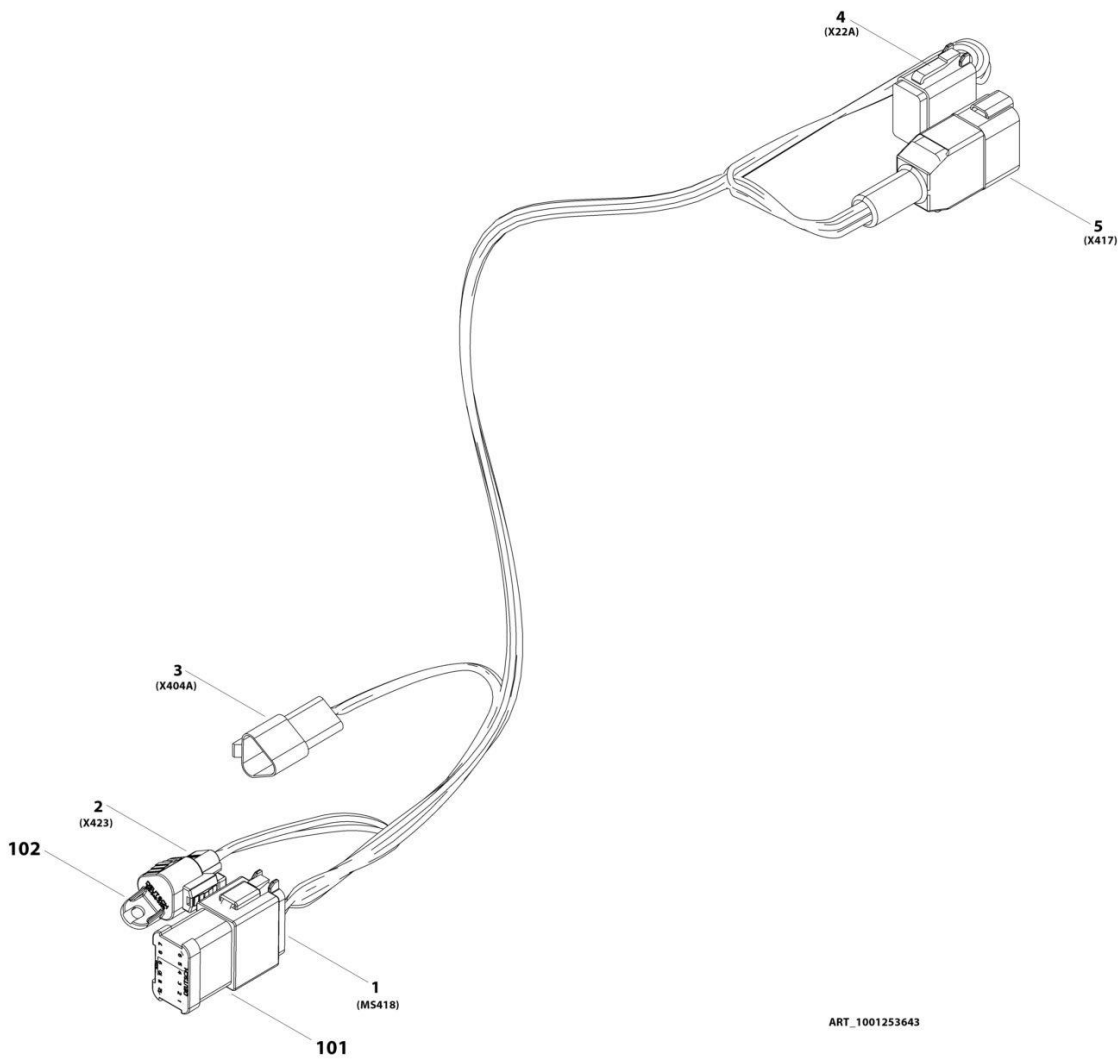
SECTION 7 - ELECTRICAL

FIGURE 7-27. DRIVE FIELD CONNECTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4923602	Ref	DRIVE FIELD CONNECTION HARNESS	C
1	4461260	2	Receptacle, Female - 1 Position	
3	4460508	2	Pin, Male	

SECTION 7 - ELECTRICAL

FIGURE 7-28. ES HARNESS (CAN SPLICE)



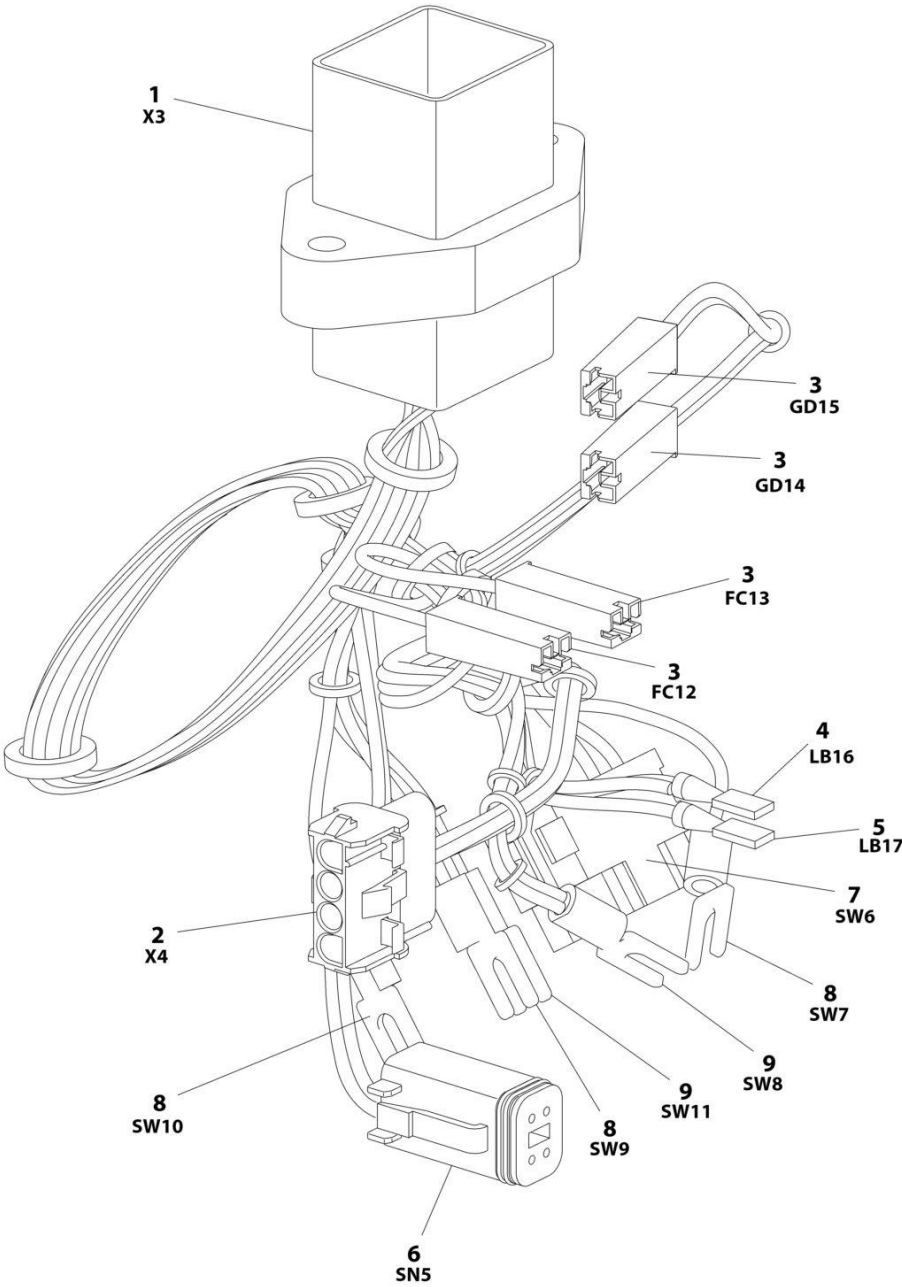
SECTION 7 - ELECTRICAL

FIGURE 7-28. ES HARNESS (CAN SPLICE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253643	Ref	ES HARNESS (CAN SPLICE)	A
1	4460933	1	Plug, Male - 12 Position	
1	4460944	12	Socket, Female	
2	1001116812	1	Plug, Male - 3 Position	
2	4460944	3	Socket, Female	
3	1001144147	1	Receptacle, Female - 3 Position	
3	4460943	3	Pin, Male	
4	4460930	1	Plug, Male - 8 Position	
4	0840058	1	Boot	
4	4460465	5	Socket, Female	
4	4460944	3	Socket, Female	
5	4460931	1	Receptacle, Female - 8 Position	
5	4460464	5	Pin, Male	
5	4460943	3	Pin, Male	
101	1001119020	1	Connector, Buss Bar	
102	1001144296	1	Cover	

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FIGURE 7-29. GROUND CONTROL BOX HARNESS



ART_1001167256-E

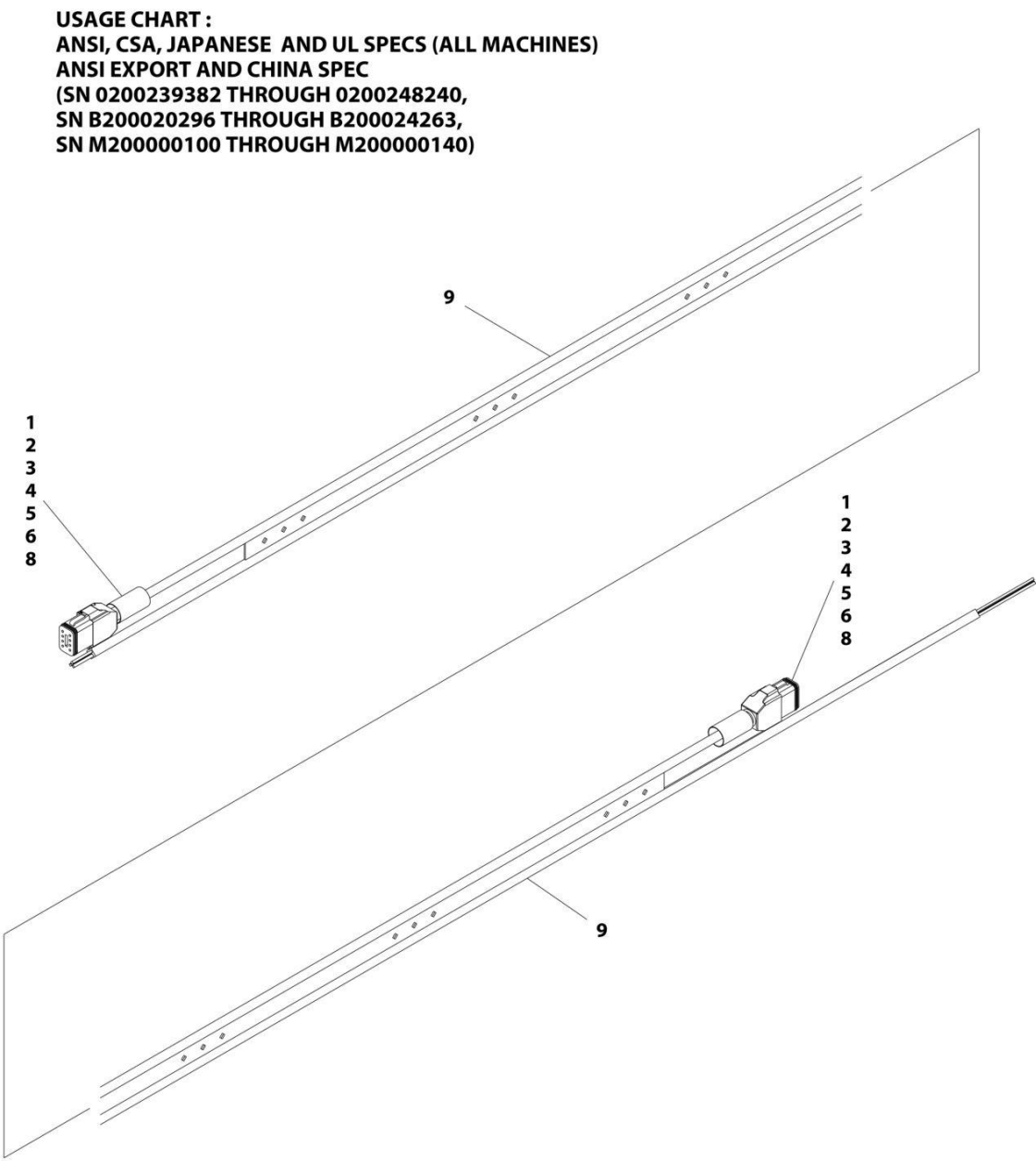
SECTION 7 - ELECTRICAL

FIGURE 7-29. GROUND CONTROL BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167256	Ref	GROUND CONTROL BOX HARNESS	E
1	1001115077	1	Connector - 18 Position	
1	4460464	14	Pin, Male	
1	4460943	2	Pin, Male	
1	4460466	2	Seal	
2	1001119032	1	Connector - 4 Position	
2	4460268	4	Socket, Female	
3	4460260	4	Housing, Terminal	
3	4460259	4	Terminal	
4	1001202618	1	Terminal	
5	1001202619	1	Terminal	
6	4460884	1	Connector - 4 Position	
6	4460944	4	Socket, Female	
7	4460418	1	Connector - 6 Position	
7	1001159186	3	Terminal	
8	4460183	3	Terminal, Fork	
9	4460115	2	Terminal, Fork	

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FIGURE 7-30. GROUND TO PLATFORM HARNESS



ART_1001178686_E

SECTION 7 - ELECTRICAL

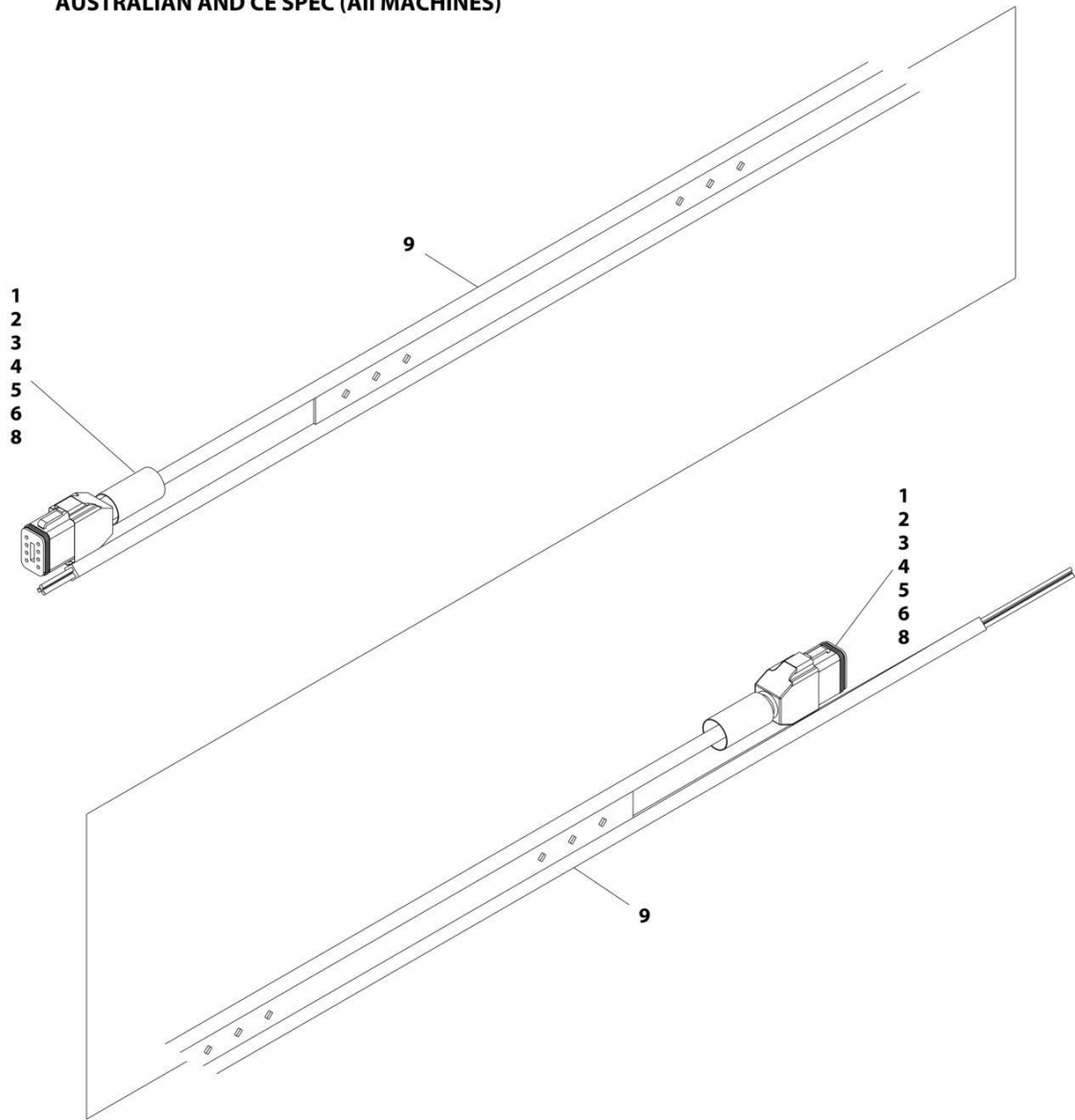
FIGURE 7-30. GROUND TO PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178686	Ref	GROUND TO PLATFORM HARNESS	E
1	0840061	2	Boot	
2	2820026	AR	Insulator, Clear Tubing	
3	2820028	AR	Heat Shrink	
4	4460465	8	Socket, Female	
5	4460466	2	Plug, Terminal	
6	4460930	2	Plug, Male - 8 Position	
7	4460943	3	Pin, Male (Not Shown)	
8	4460944	6	Socket, Female (Gold)	
9	1001178682	1	Cable	

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FIGURE 7-31. GROUND TO PLATFORM HARNESS

USAGE CHART :
ANSI EXPORT AND CHINA SPEC
(SN 0200248241 TO PRESENT,
SN B200024264 TO PRESENT
SN M200000141 TO PRESENT)
AUSTRALIAN AND CE SPEC (ALL MACHINES)



ART_1001178684_D

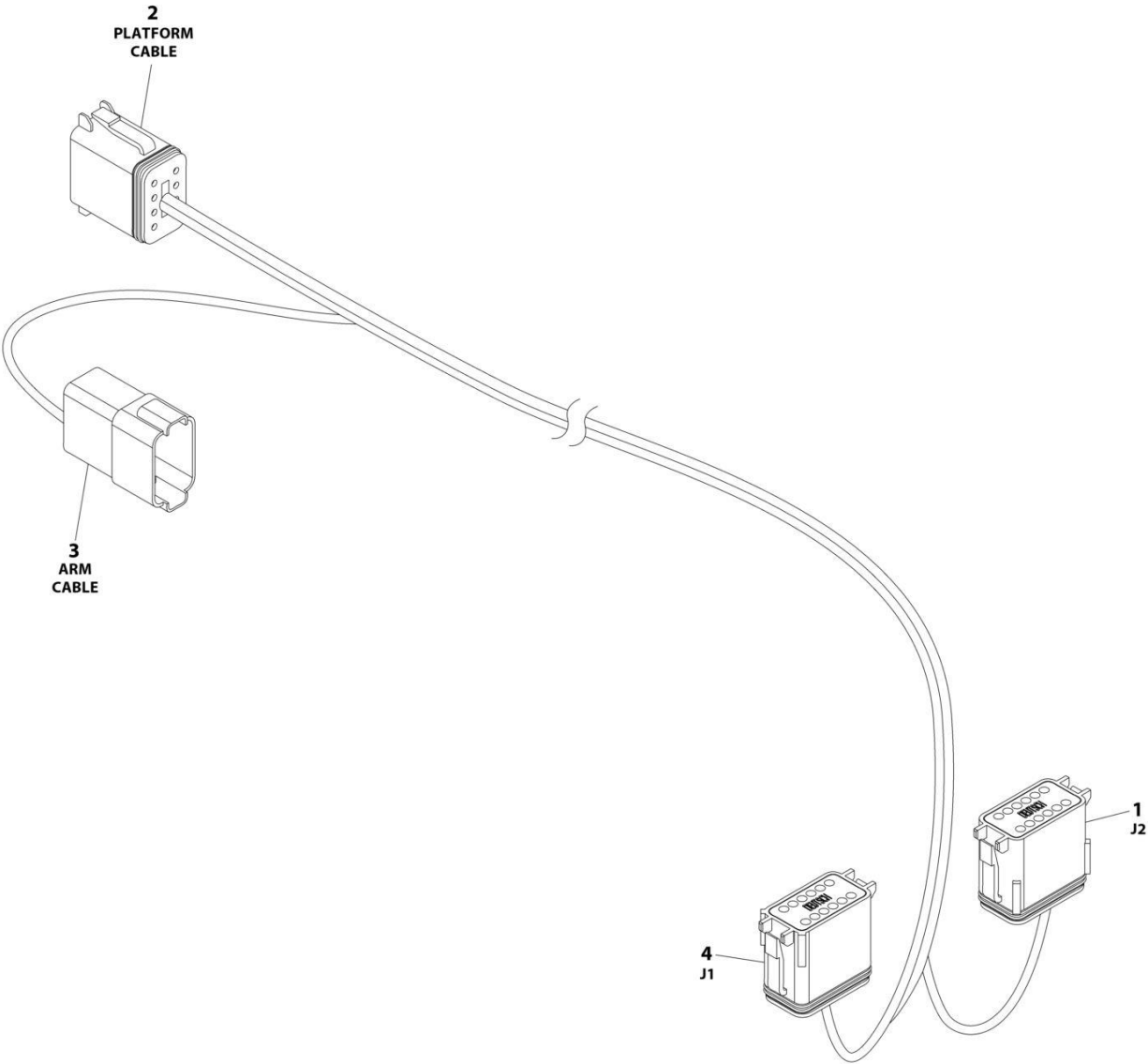
SECTION 7 - ELECTRICAL

FIGURE 7-31. GROUND TO PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178684	Ref	GROUND TO PLATFORM HARNESS	D
1	0840061	2	Boot	
2	2820026	AR	Insulator, Clear Tubing	
3	2820028	AR	Heat Shrink	
4	4460465	8	Socket, Female	
5	4460466	2	Plug, Terminal	
6	4460930	2	Plug, Male - 8 Position	
7	4460943	3	Pin, Male (Not Shown)	
8	4460944	6	Socket, Female (Gold)	
9	1001178682	1	Cable	

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FIGURE 7-32. LOAD SENSE HARNESS - WITHOUT FUSE



ART_4923228

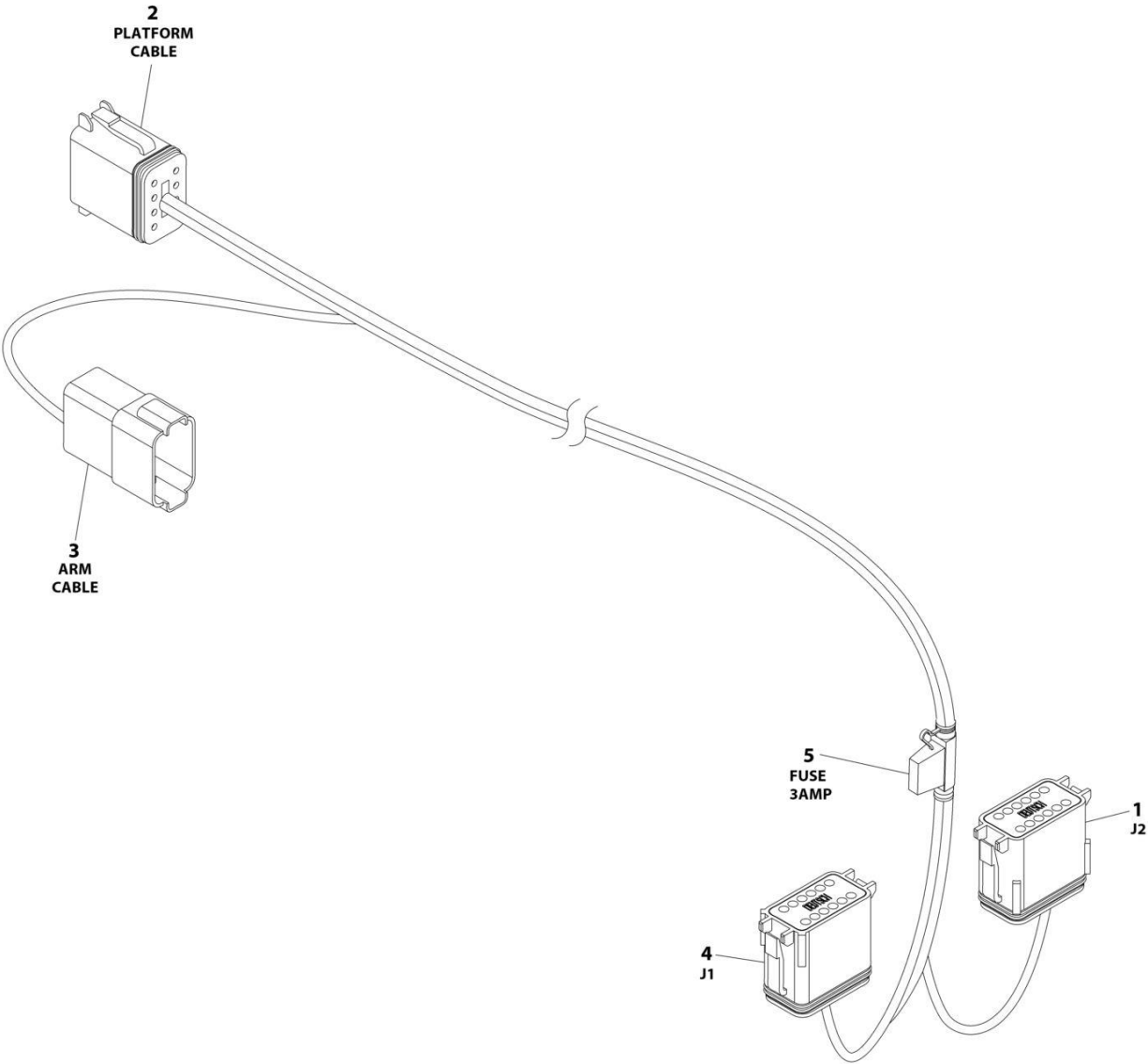
SECTION 7 - ELECTRICAL

FIGURE 7-32. LOAD SENSE HARNESS - WITHOUT FUSE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4923228	Ref	LOAD SENSE HARNESS	D
1	4460836	1	Connector - 12 Position	
1	4460466	6	Plug, Sealing	
1	4460944	6	Socket, Female (Gold)	
1	0840055	1	Boot	
2	4460930	1	Connector - 8 Position	
2	4460465	4	Socket, Female	
2	4460466	1	Plug, Sealing	
2	4460944	3	Socket, Female (Gold)	
2	0840061	1	Boot	
3	4460931	1	Connector - 8 Position	
3	4460464	4	Pin, Male	
3	4460466	1	Plug, Sealing	
3	4460943	3	Pin, Male	
3	0840058	1	Boot	
4	4460933	1	Connector - 12 Position	
4	4460465	4	Socket, Female	
4	4460466	8	Plug, Sealing	
4	0840055	1	Boot	

SECTION 7 - ELECTRICAL

FIGURE 7-33. LOAD SENSE HARNESS - WITH FUSE



ART_1001263062

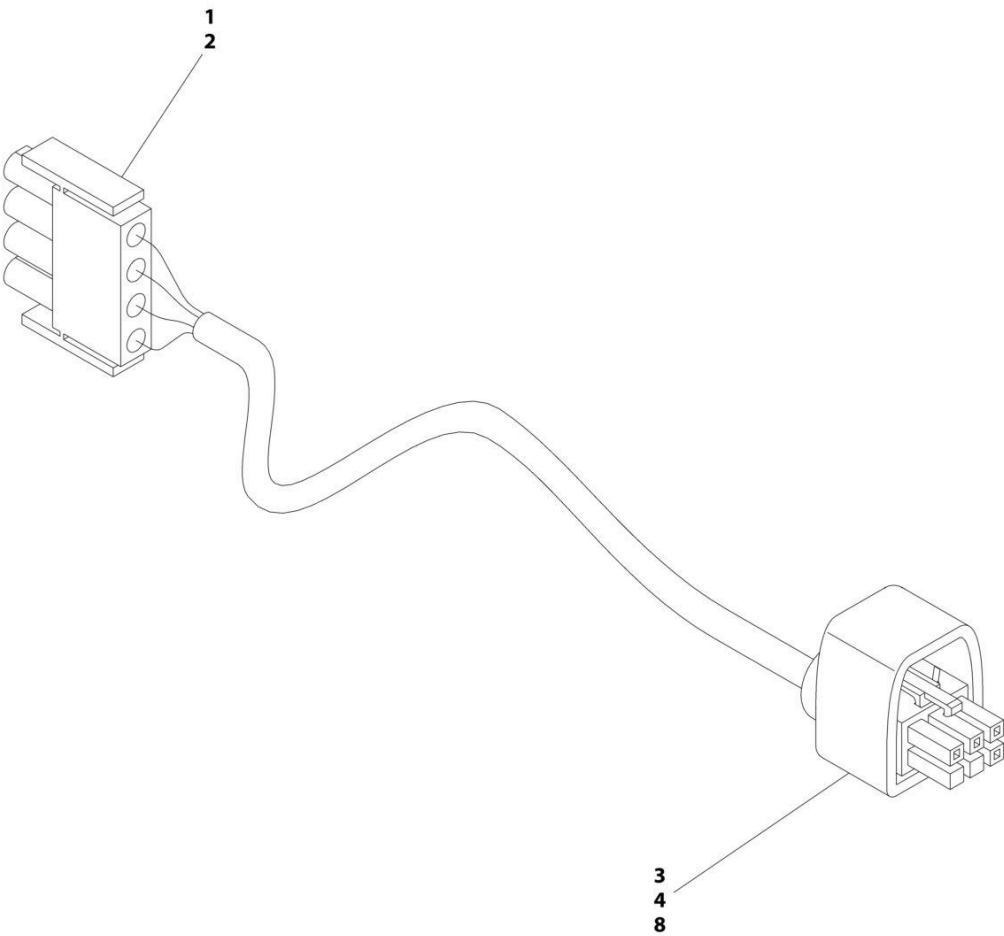
SECTION 7 - ELECTRICAL

FIGURE 7-33. LOAD SENSE HARNESS - WITH FUSE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263062	Ref	LOAD SENSE HARNESS	A
1	4460836	1	Connector - 12 Position	
1	4460466	6	Plug, Sealing	
1	4460944	6	Socket, Female (Gold)	
1	0840055	1	Boot	
2	4460930	1	Connector - 8 Position	
2	4460465	4	Socket, Female	
2	4460466	1	Plug, Sealing	
2	4460944	3	Socket, Female (Gold)	
2	0840061	1	Boot	
3	4460931	1	Connector - 8 Position	
3	4460464	4	Pin, Male	
3	4460466	1	Plug, Sealing	
3	4460943	3	Pin, Male	
3	0840058	1	Boot	
4	4460933	1	Connector - 12 Position	
4	4460465	4	Socket, Female	
4	4460466	8	Plug, Sealing	
4	0840055	1	Boot	
5	2400060	1	Fuseholder with Cover	
5	1001196838	1	Fuse 3Amp	

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FIGURE 7-34. MDI (MULTIFUNCTION DIGITAL INDICATOR) HARNESS



ART_1001093556

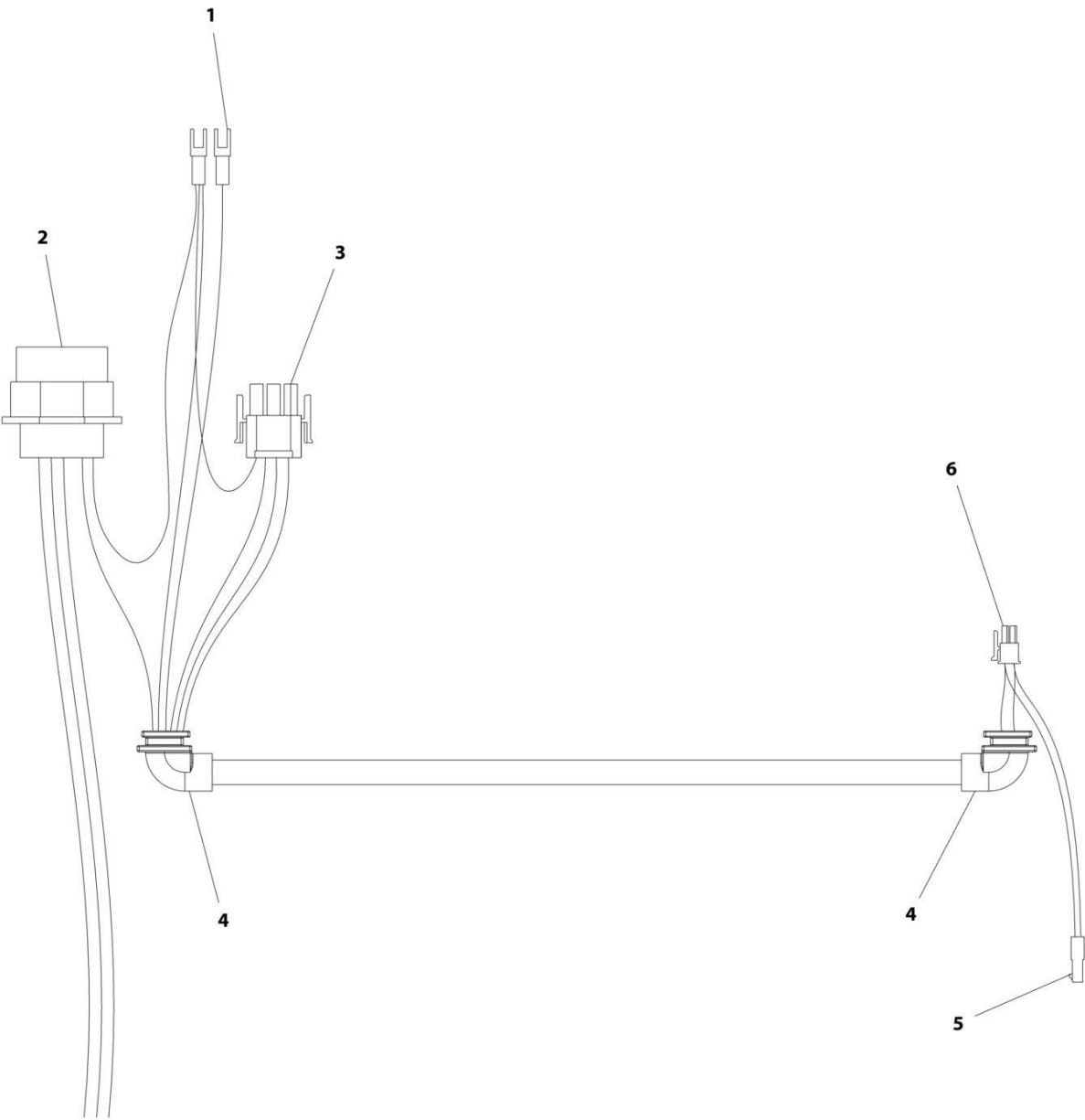
SECTION 7 - ELECTRICAL

FIGURE 7-34. MDI (MULTIFUNCTION DIGITAL INDICATOR) HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001093556	Ref	MDI (MULTIFUNCTION DIGITAL INDICATOR) HARNESS	D
1	4460226	4	Socket, Female	
2	4460321	1	Plug, Male - 4 Position	
3	4460868	1	Plug, Male - 6 Position	
4	4460877	4	Terminal	
8	1001094105	1	Boot	

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FIGURE 7-35. PLATFORM BOX HARNESS



ART_4922870

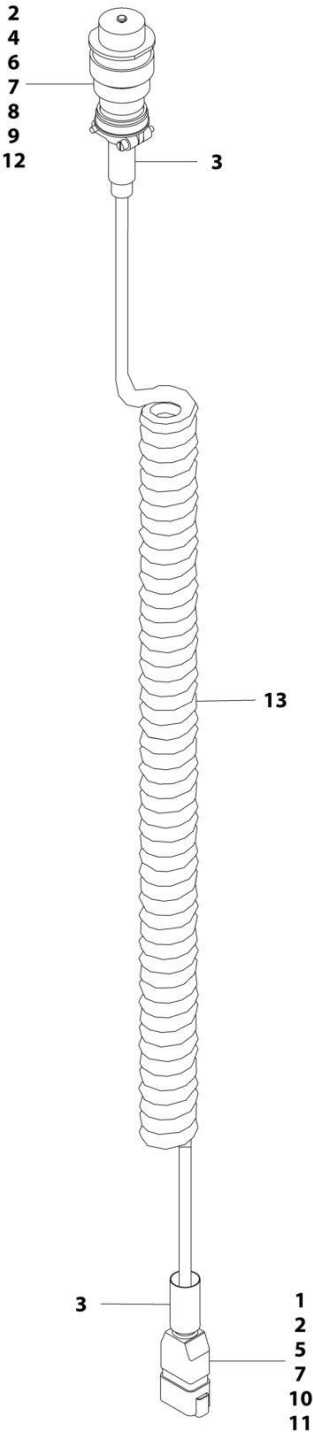
SECTION 7 - ELECTRICAL

FIGURE 7-35. PLATFORM BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	4922870	Ref	PLATFORM BOX HARNESS	D
2	4461016	1	Connector - 14 Position	
2	4460464	6	Pin, Male	
2	4460466	8	Plug, Sealing	
2	4460496	1	Lockwasher	
2	4460497	1	Nut, Panel	
3	4460265	1	Plug, Male - 9 Position	
3	4460267	8	Pin, Male	
4	2540042	2	Grommet 90	
5	See Note	NSS	Receptacle, Female - Position (Note: Not Available for Purchase)	
6	4461057	1	Plug, Male - 16 Position	

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FIGURE 7-36. PLATFORM CABLE ASSEMBLY



ART_1001096707

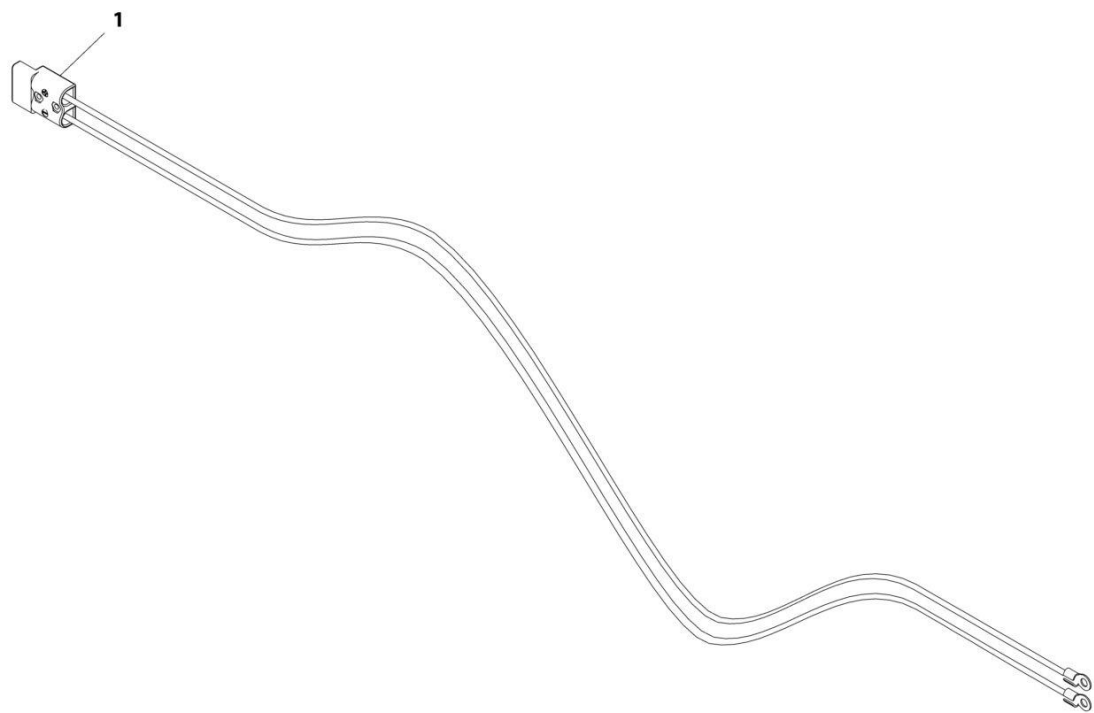
SECTION 7 - ELECTRICAL

FIGURE 7-36. PLATFORM CABLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096707	Ref	PLATFORM CABLE ASSEMBLY	F
1	0840058	1	Boot, 8 Position Receptacle	
2	2820026	AR	Insulation, Clear Tubing	
3	2820028	AR	Heat Shrink	
4	3730119	1	Resistor	
5	4460464	4	Pin, Male	
6	4460465	4	Socket, Female	
7	4460466	5	Plug, Sealing	
8	4460493	1	Cap, Dust	
9	4460754	1	Connector -14 Position	
10	4460931	1	Receptacle, Female - 8 Position	
11	4460943	3	Pin, Male (Gold)	
12	4460944	3	Socket, Female	
13	1001094169	1	Cable	

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FIGURE 7-37. PUMP POWER CABLE ASSEMBLY



ART_1001178543

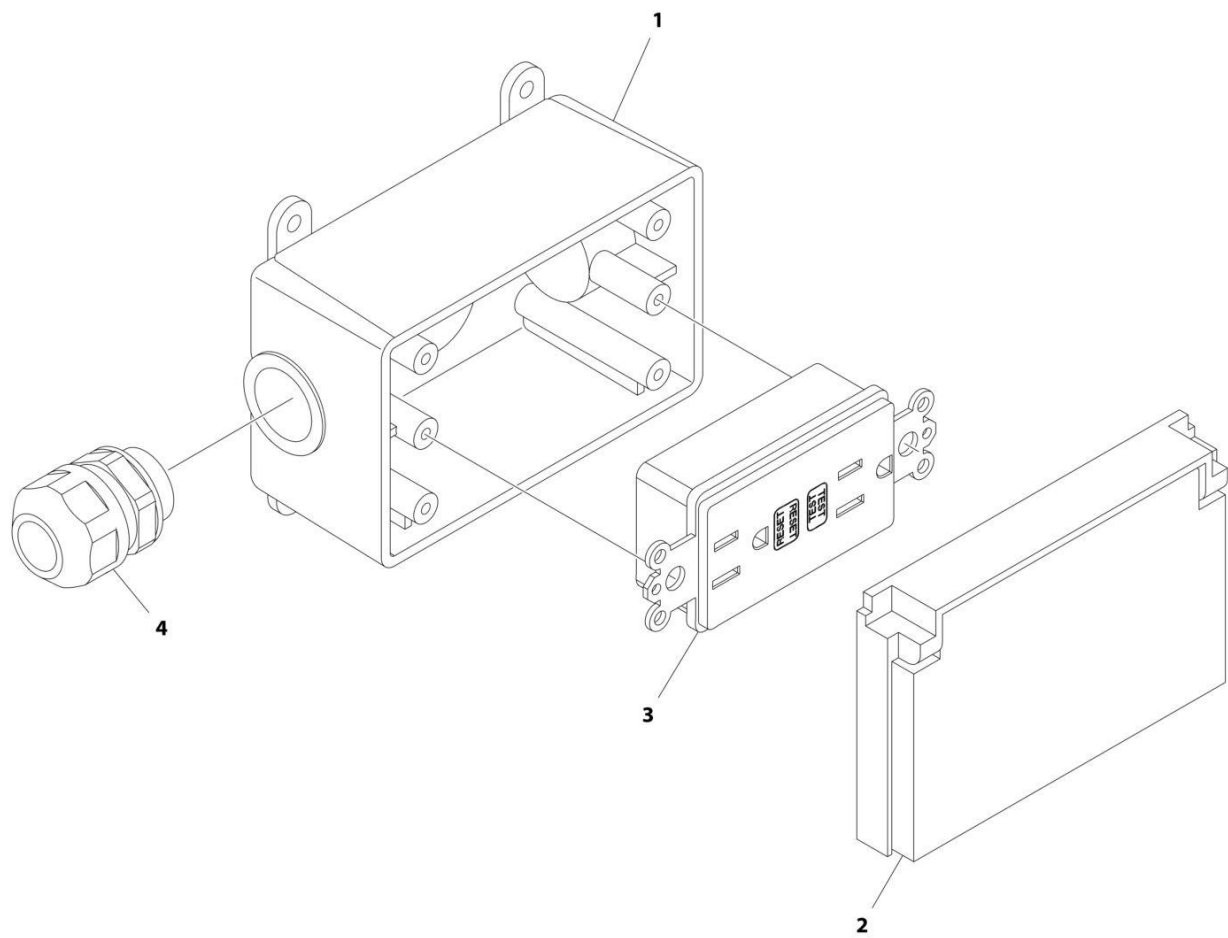
SECTION 7 - ELECTRICAL

FIGURE 7-37. PUMP POWER CABLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001178543 4460778	Ref 1	PUMP POWER CABLE ASSEMBLY Connector, Anderson	B

SECTION 7 - ELECTRICAL

FIGURE 7-38. RECEPTACLE BOX KIT - 110V GFI



ART_2902431

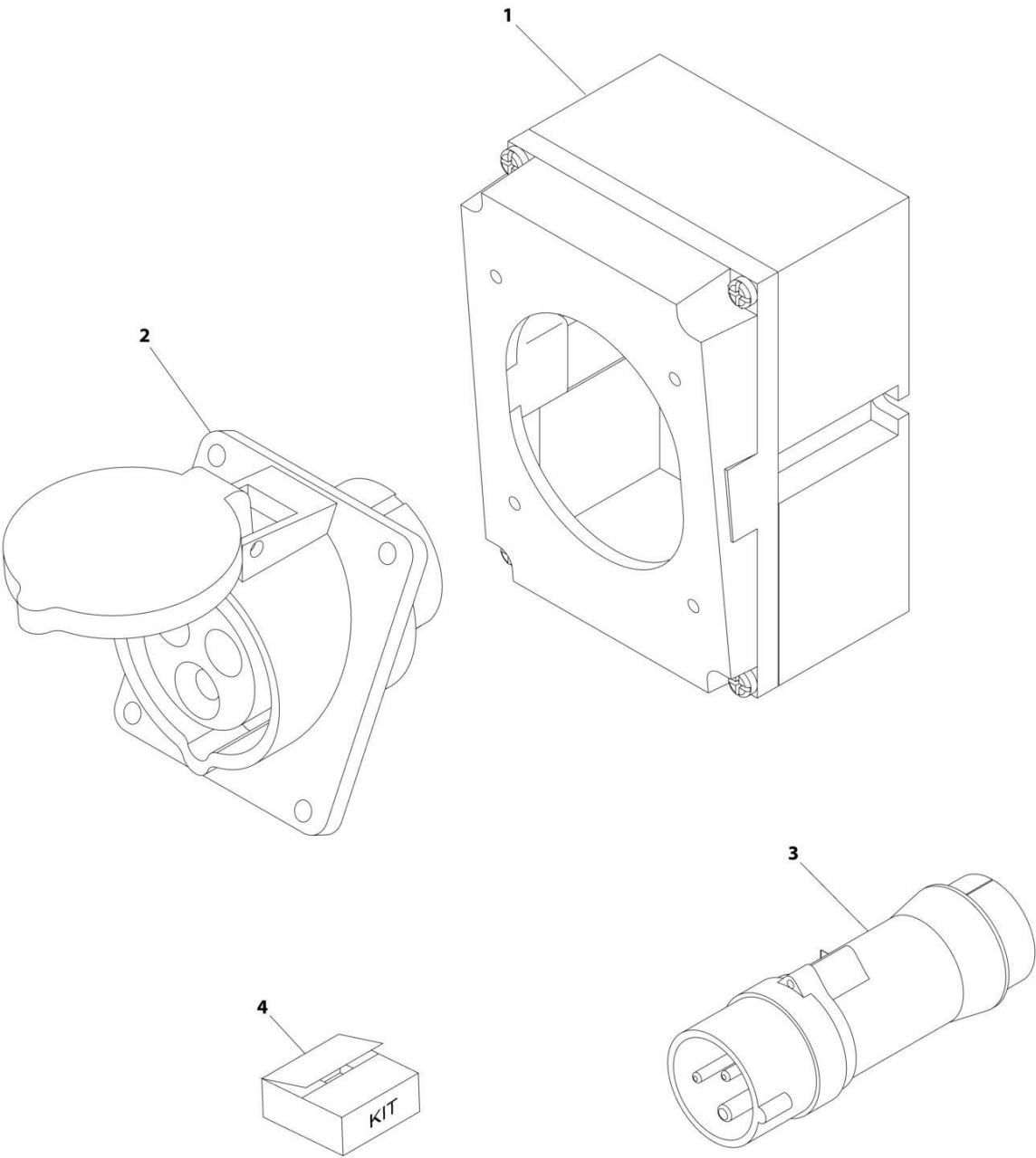
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FIGURE 7-38. RECEPTACLE BOX KIT - 110V GFI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902431	Ref	RECEPTACLE BOX KIT - 110V GFI	D
1	0861731	1	Box, Receptacle	
2	1671207	1	Cover, Receptacle	
3	4460346	1	Receptacle	
4	4460662	1	Connector, Strain Relief	

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FIGURE 7-39. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC)



ART_0275216

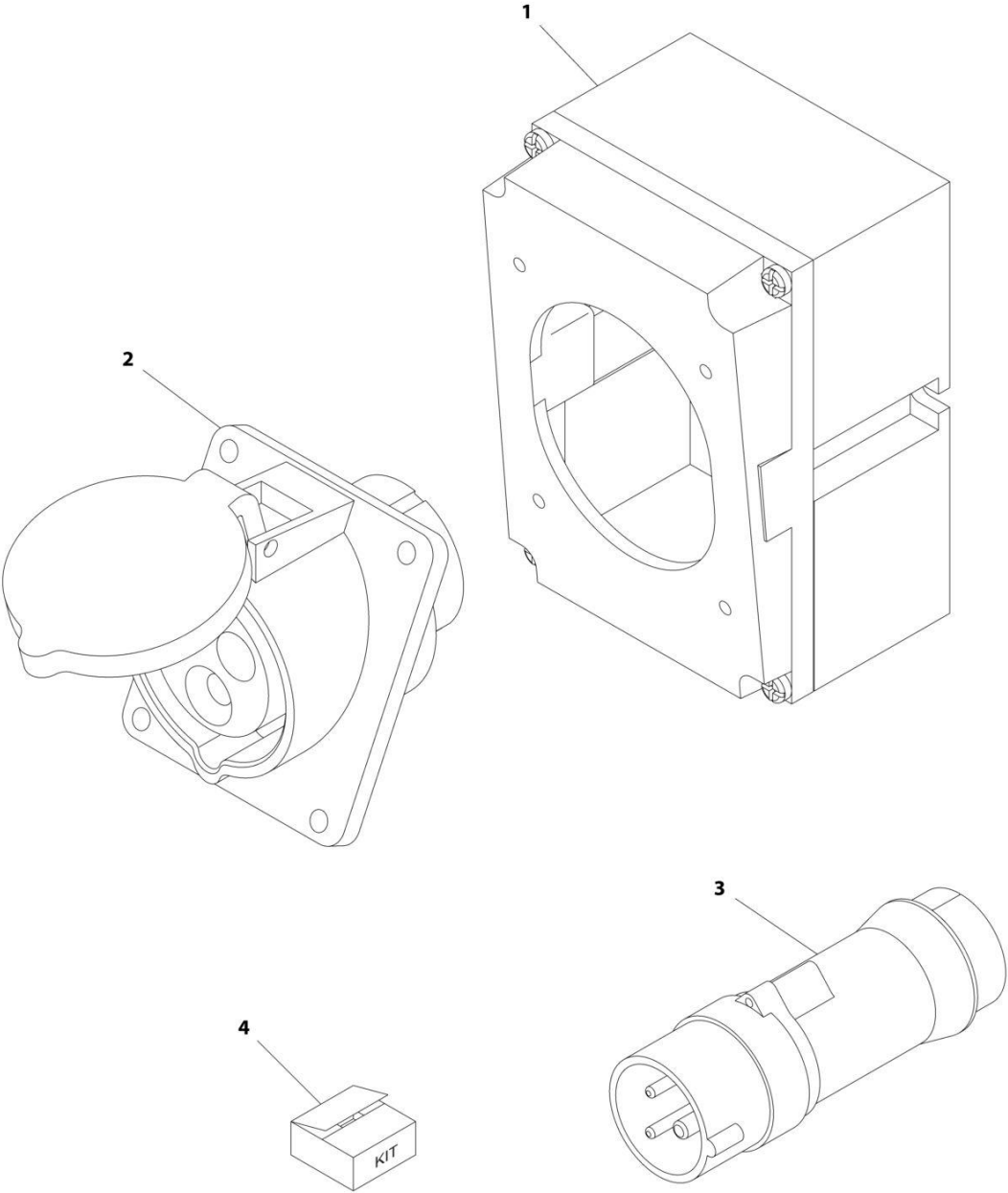
SECTION 7 - ELECTRICAL

FIGURE 7-39. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC)

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

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FIGURE 7-40. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC)



ART_0275217

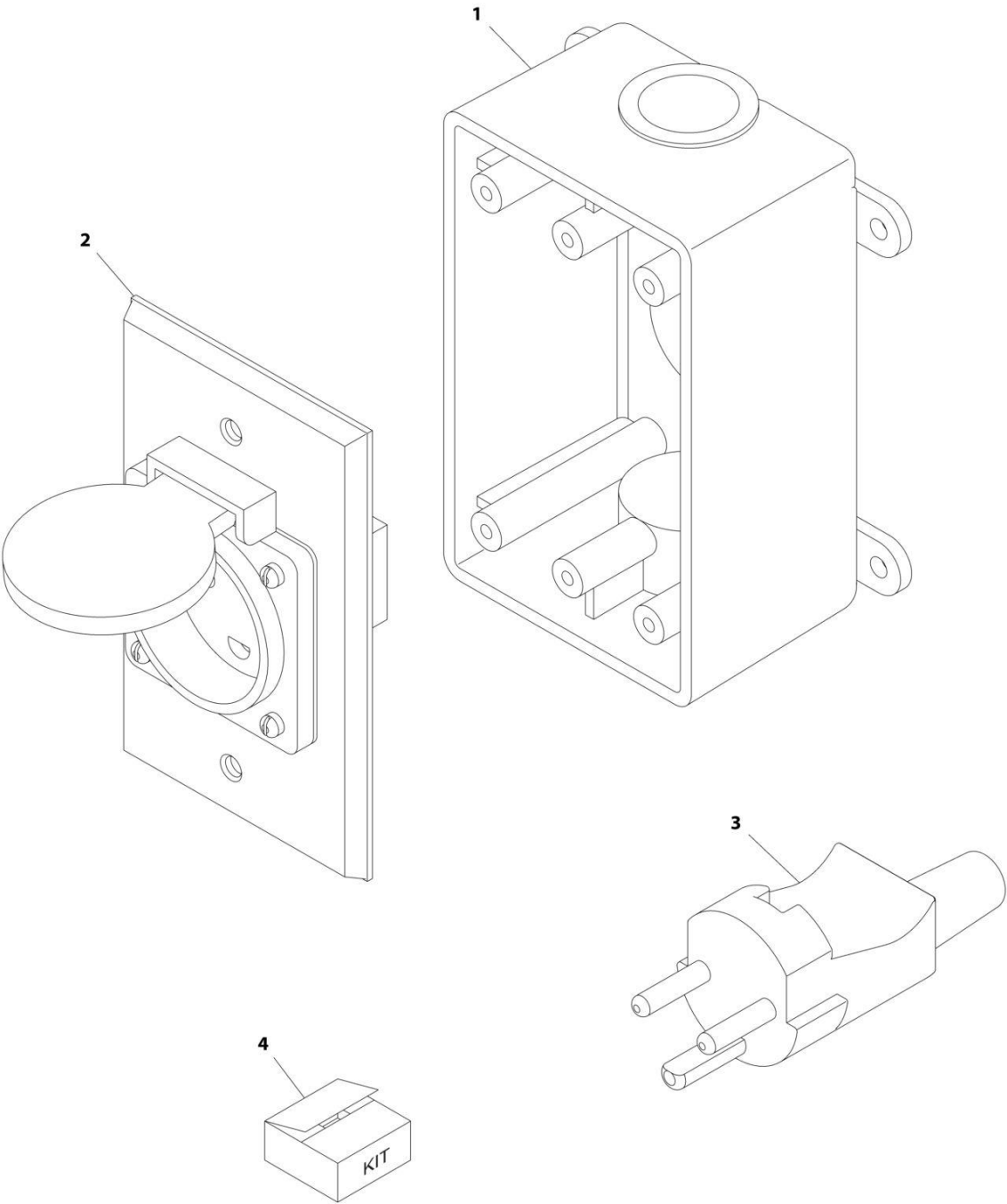
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FIGURE 7-40. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC)

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

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FIGURE 7-41. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)



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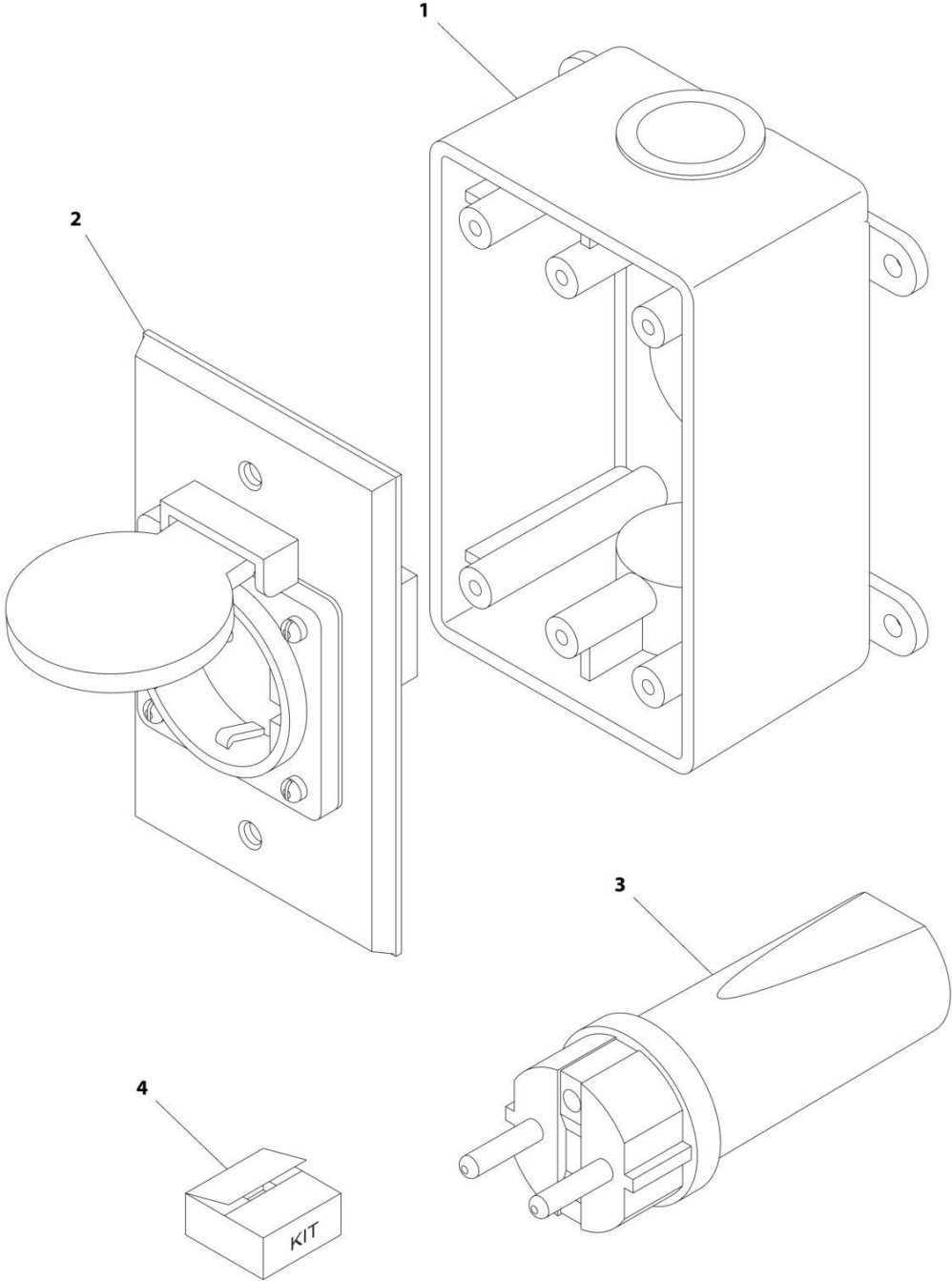
SECTION 7 - ELECTRICAL

FIGURE 7-41. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)

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

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FIGURE 7-42. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC) AND DUAL OUTLET (CE SPEC - 2646ES)



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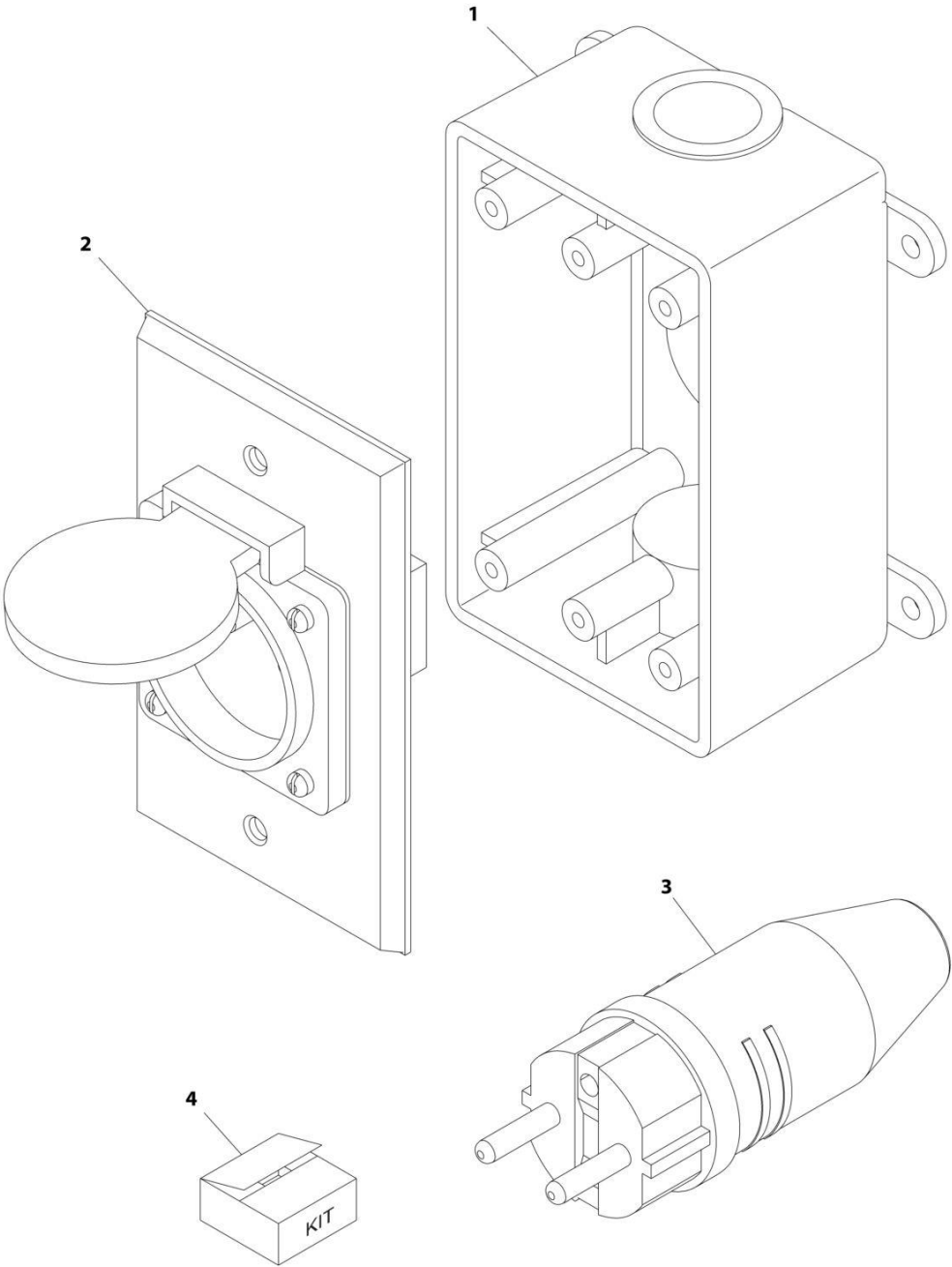
SECTION 7 - ELECTRICAL

FIGURE 7-42. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC) AND DUAL OUTLET (CE SPEC - 2646ES)

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

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FIGURE 7-43. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND (CE SPEC)



ART_0275452-C

SECTION 7 - ELECTRICAL

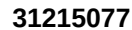
FIGURE 7-43. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND (CE SPEC)

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

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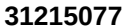
SECTION 8 - DECALS

FIGURE 8-1. DECAL INSTALLATION - ANSI SPEC (ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181268	Ref	DECAL INSTALLATION - ANSI SPEC (ENGLISH)	I
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
4	1001131270	1	Decal - Patent	
5	2080057	4	Fastener	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902522	1	Decal Kit - ANSI Spec (Includes Items 21-27)	B
21	1705694	4	Decal - Crushing	
22	1705695	4	Decal - Danger Electrocution	
23	1705686	1	Decal - Legend	
24	1705680	1	Decal - Danger/Warning	
25	1705679	1	Decal - Inspection	
26	1705681	1	Decal - Electrocution	
27	1703813	2	Decal - Warning Battery Ventilation	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts	
50	1705754	2	Decal - JLG	
51	1001223055	1	Decal - Yearly Inspection	
52	1001228370	1	Decal - CSA Ices	
53	1001231801	1	Decal - Prop 65	

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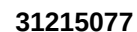
SECTION 8 - DECALS

FIGURE 8-2. DECAL INSTALLATION - AUSTRALIAN SPEC (ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181270	Ref	DECAL INSTALLATION - AUSTRALIAN SPEC (ENGLISH)	H
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
5	2080057	4	Fastener	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902523	1	Decal Kit - Australian Spec (Includes Items 21, 22 & 27)	2
21	1705673	4	Decal - Crushing	
22	1705671	5	Decal - Electrocution	
27	1705670	2	Decal - Warning Battery Ventilation/Fire Hazard	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts	
50	1705754	2	Decal - JLG	

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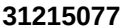
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FIGURE 8-3. DECAL INSTALLATION - BRAZIL SPEC (PORTUGUESE/SPANISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181273	Ref	DECAL INSTALLATION - BRAZIL SPEC (PORTUGUESE/SPANISH)	J
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
5	2080057	4	Fastener	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902526	1	Decal Kit - Brazil Spec (Includes Items 21-27, 40 & 41)	B
21	1705722	5	Decal - Warning Crushing Hazard	
22	1703834	4	Decal - Warning/Danger	
23	1705726	1	Decal - Legend	
24	1705894	1	Decal - Danger/Warning	
25	1705727	1	Decal - Inspection	
26	1705721	1	Decal - Electrocution	
27	1704341	2	Decal - Warning Battery Ventilation	
40	1705725	4	Decal - Crushing Hazard	
41	1705724	4	Decal - Electrocution	
43	1705719	1	Decal - Danger/Warning	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts	
50	1705754	2	Decal - JLG	
51	1001224052	1	Decal - Yearly Inspection	

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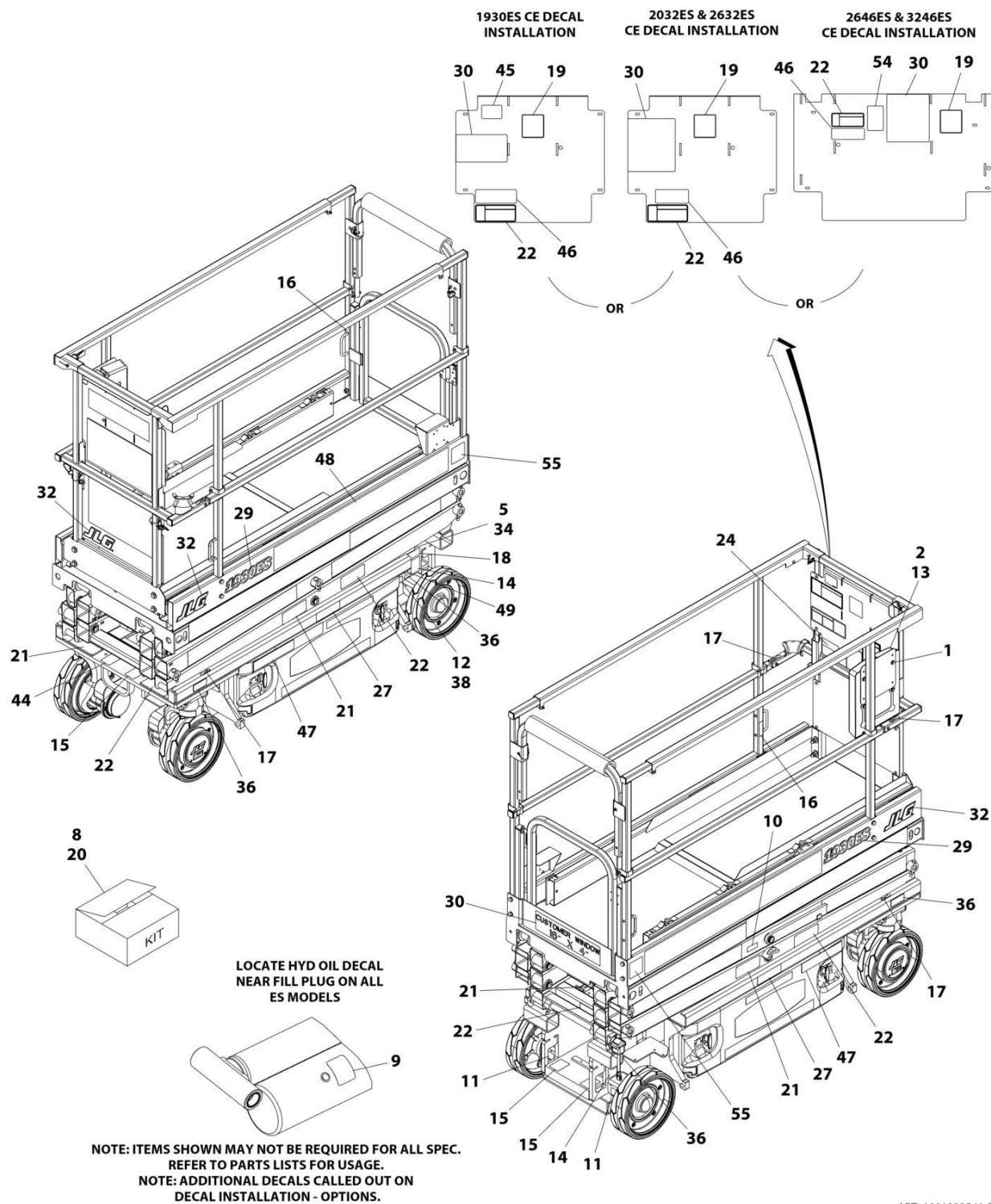
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FIGURE 8-4. DECAL INSTALLATION - CE SPEC (ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217327	Ref	DECAL INSTALLATION – REFERENCE	B
	1001181269	Ref	DECAL INSTALLATION - CE SPEC (ENGLISH)	G
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
5	2080057	4	Fastener	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902523	1	Decal Kit - CE Spec (Includes Items 21, 22 & 27)	2
21	1705673	4	Decal - Crushing	
22	1705671	5	Decal - Electrocution	
27	1705670	2	Decal - Warning Battery Ventilation/Fire Hazard	
32	1705781	3	Decal - JLG	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146795	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts	

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FIGURE 8-5. DECAL INSTALLATION - CHINA SPEC (GB)



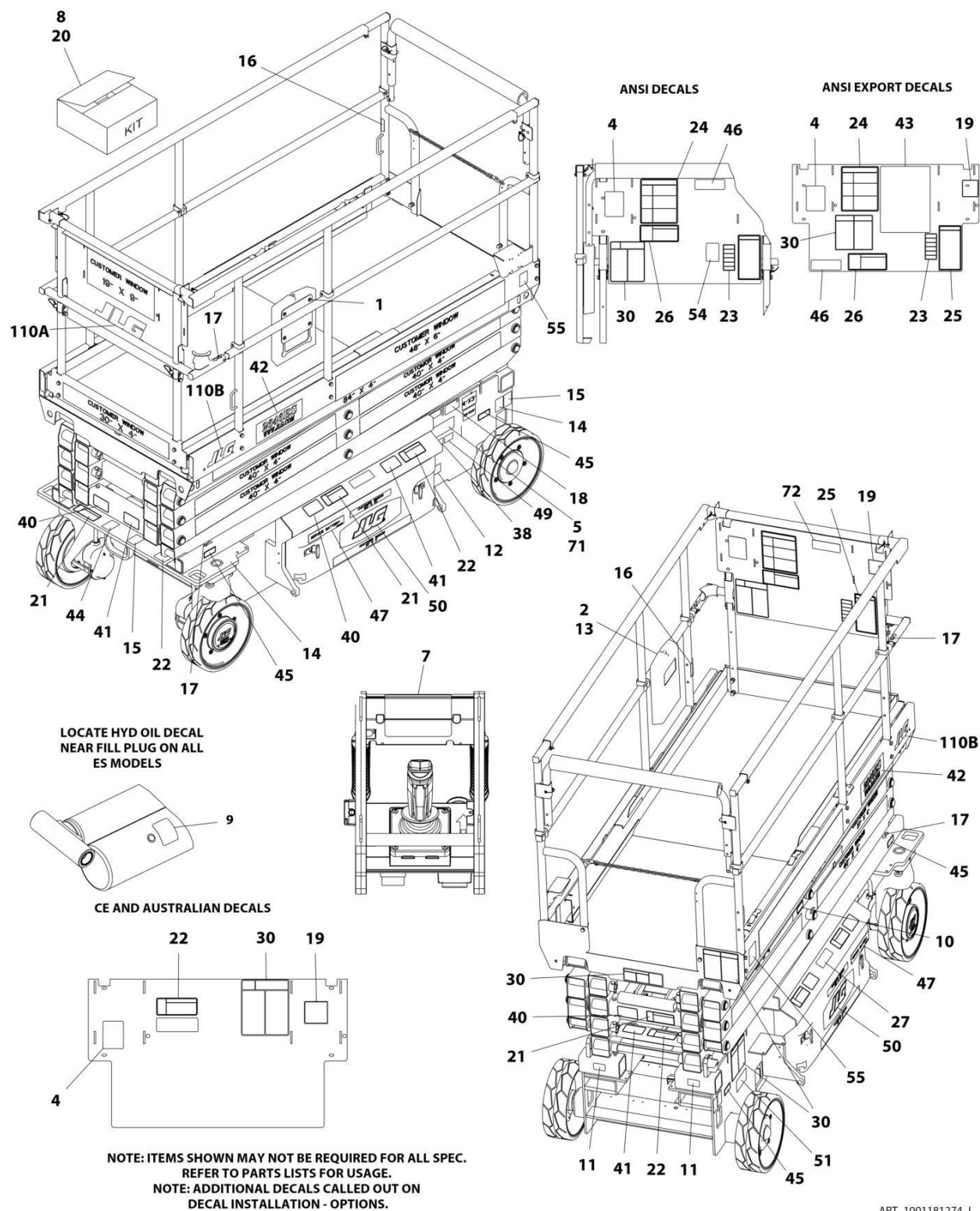
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FIGURE 8-5. DECAL INSTALLATION - CHINA SPEC (GB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232541	Ref	DECAL INSTALLATION - CHINA SPEC (GB)	B
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
5	2080057	4	Fastener	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902523	1	Decal Kit - CE Spec (Includes Items 21, 22 & 27)	2
21	1705673	4	Decal - Crushing	
22	1705671	5	Decal - Electrocution	
27	1705670	2	Decal - Warning Battery Ventilation/Fire Hazard	
32	1705781	3	Decal - JLG	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts	
54	1001244301	1	Decal - No Over the Rail to Ground	
55	1001244298	1	Decal - Wechat	

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FIGURE 8-6. DECAL INSTALLATION - CHINA SPEC (CHINESE/ENGLISH)



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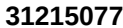
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FIGURE 8-6. DECAL INSTALLATION - CHINA SPEC (CHINESE/ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181274	Ref	DECAL INSTALLATION - CHINESE SPEC (CHINESE/ENGLISH)	I
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
5	2080057	4	Fastener	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902528	1	Decal Kit - Chinese Spec (Includes Items 21-27, 40 & 41)	B
21	1705694	4	Decal - Crushing	
22	1705695	4	Decal - Danger	
23	1705946	1	Decal - Legend	
24	1705680	1	Decal - Danger/Warning	
25	1705679	1	Decal - Inspection	
26	1705681	1	Decal - Electrocution	
27	1704344	2	Decal - Warning Battery Ventilation	
40	1705943	4	Decal - Crushing	
41	1705944	4	Decal - Electrocution	
43	1705945	1	Decal - Danger/Warning	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts	
50	1705754	2	Decal - JLG	
51	1001224050	1	Decal - Yearly Inspection	
54	1001244301	1	Decal - No Over the Rail to Ground	
55	1001244298	1	Decal - Wechat	

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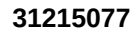
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FIGURE 8-7. DECAL INSTALLATION - CSA SPEC (ENGLISH/FRENCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181271	Ref	DECAL INSTALLATION - CSA SPEC (ENGLISH/FRENCH)	I
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
4	1001131270	1	Decal - Patent	
5	2080057	4	Fastener	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902524	1	Decal Kit - CSA Spec (Includes Items 21-27, 40 & 41)	B
21	1705694	4	Decal - Crushing	
22	1705695	4	Decal - Warning/Danger	
23	1705723	1	Decal - Legend	
24	1705680	1	Decal - Danger/Warning	
25	1705679	1	Decal - Inspection	
26	1705681	1	Decal - Electrocution	
27	1704340	2	Decal - Warning Battery Ventilation	
40	1705717	4	Decal - Crushing	
41	1705718	4	Decal - Electrocution	
43	3252098	1	Nameplate - Warning/Danger	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts	
50	1705754	2	Decal - JLG	
51	1001223971	1	Decal - Yearly Inspection	
52	1001228370	1	Decal - CSA Ices	

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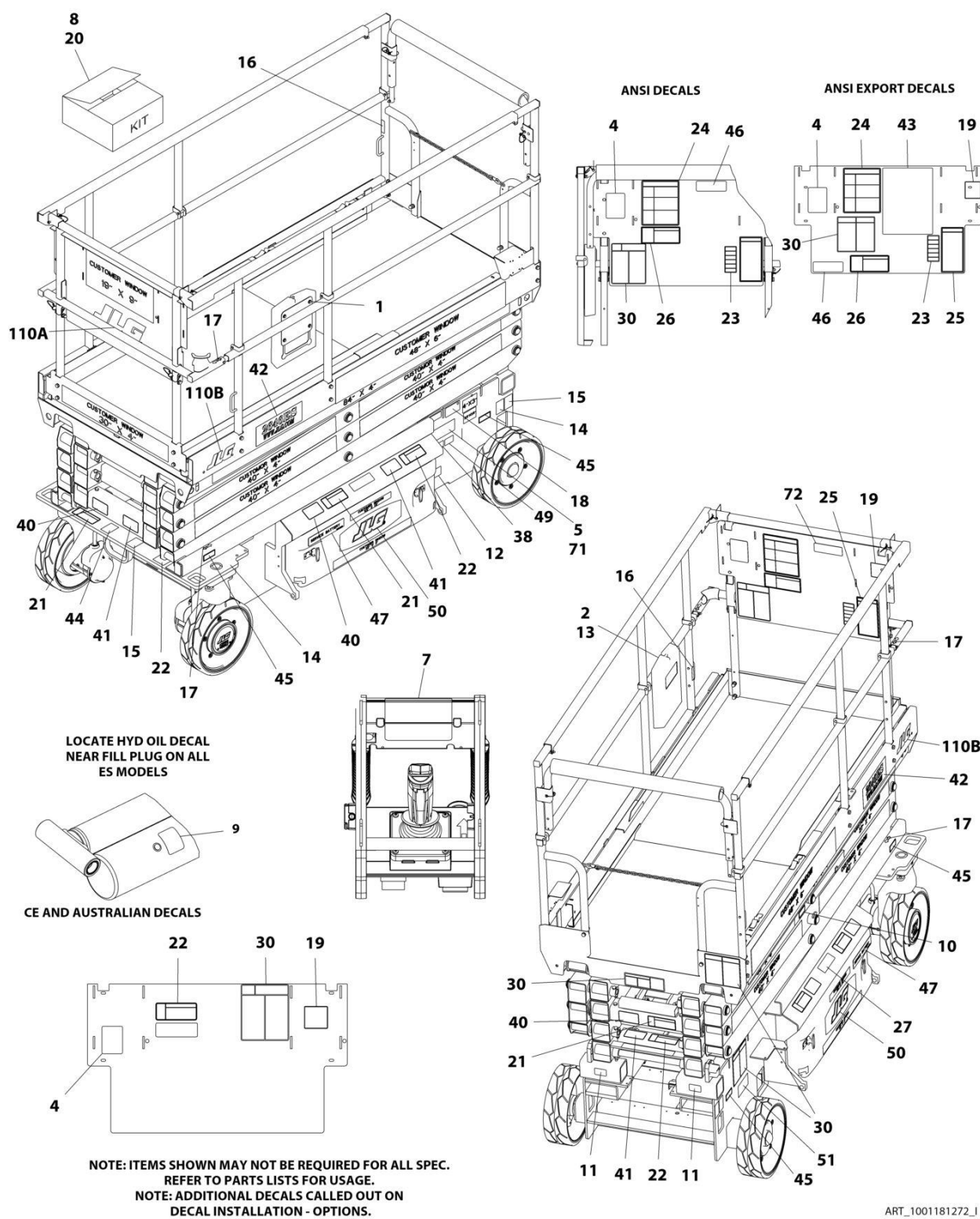
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FIGURE 8-8. DECAL INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181275	Ref	DECAL INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH)	I
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
5	2080057	4	Fastener	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902532	1	Decal Kit - Korean Spec (Includes Items 21-27, 40 & 41)	2
21	1705694	4	Decal - Crushing	
22	1705695	4	Decal - Danger Electrocution	
23	1706057	1	Decal - Legend	
24	1705680	1	Decal - Danger/Warning	
25	1705679	1	Decal - Inspection	
26	1705681	1	Decal - Electrocution	
27	1707022	2	Decal - Warning Battery Ventilation	
40	1706052	4	Decal - Crushing Hazard	
41	1706056	4	Decal - Danger Electrocution	
43	1706053	1	Decal - Danger/Warning	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts	
50	1705754	2	Decal - JLG	
51	1001224048	1	Decal - Yearly Inspection	

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



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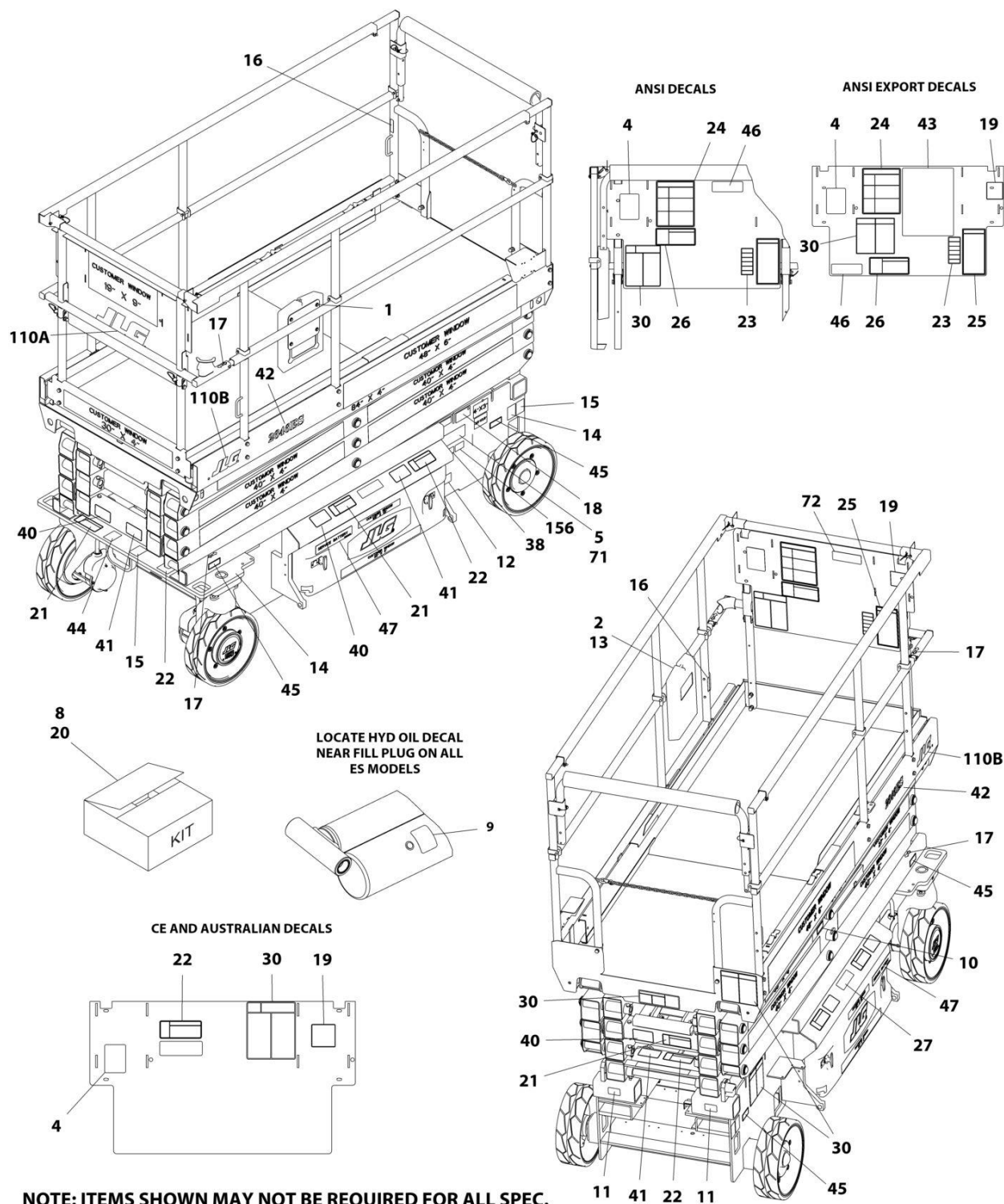
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FIGURE 8-9. DECAL INSTALLATION - LATIN AMERICAN SPEC (ENGLISH/SPANISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181272	Ref	DECAL INSTALLATION - LATIN AMERICAN SPEC (ENGLISH/SPANISH)	I
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
5	2080057	4	Fastener	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902525	1	Decal Kit - Latin American Spec (English/Spanish) (Includes Items 21-27, 40 & 41)	B
21	1705694	4	Decal - Crushing	
22	1705695	4	Decal - Danger Electrocution	
23	1705720	1	Decal - Legend	
24	1705680	1	Decal - Danger/Warning	
25	1705679	1	Decal - Inspection	
26	1705681	1	Decal - Electrocution	
27	1704339	2	Decal - Warning Battery Ventilation	
40	1705725	4	Decal - Crushing Hazard	
41	1705724	1	Decal - Danger Electrocution	
43	1705719	1	Decal - Danger/Warning	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts	
50	1705754	2	Decal - JLG	
51	1001224049	1	Decal - Yearly Inspection	

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FIGURE 8-10. DECAL INSTALLATION – OPTIONS



ART_DECAL_OPTIONS

SECTION 8 - DECALS

FIGURE 8-10. DECAL INSTALLATION – OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DECAL INSTALLATION - OPTIONS	
25	0272862	Ref	Corner Safety Stripes Installation	D
25	4420051	30.5 in/0.77m	Tape, Safety (Not Shown - Located on Platform Extension)	
30	1001256663	1	Decal - 1000LB/454KG Capacity (2646ES All Specs except Australian, CE and China Specs)	
30	1705668	1	Decal - 450KG (2646ES Australian, CE and China Specs)	
30	1001256658	1	Decal - 1000LB,700LB/317KG Capacity (3246ES All Specs except Australian, CE and China Specs)	
30	1705704	1	Decal - 320KG Capacity (3246ES Australian, CE and China Specs)	
42	1001099922	2	Decal - 2646ES Model Designation	
42	1001099923	2	Decal - 3246ES Model Designation	
45	1706312	4	Decal - Maximum Tire Load (2646/3246ES)	
71	See Note	1	Decal - Serial Number (Note: Not Available for Purchase)	
110	0272870	Ref	JLG Logo Installation (All Specs Except China Specs)	2
110	1001228965	Ref	JLG Logo Installation (China Specs)	A
110A	1702773	1	Decal - JLG (5 inch) (All Specs Except China Specs)	
110A	1705754	1	Decal – JLG (3.5 inch) (China Specs)	
110B	1705781	2	Decal - JLG (2.75 inch) (All Specs)	
156	1001214029	1	Decal Installation - EAC (Russian/CIS Specs)	A
156	1001173703	1	Decal - EAC (Russian/CIS Specs)	

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 9-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
		Ref	STANDARD PARTS	
	4360069	1	Breaker, Circuit - 10Amp	
	4360328	1	Switch, Toggle	
	2860030	1	Key, Replacement	
	4360475	1	Switch, Mushroom	
	4360387	1	Switch, Push Button	
	1001092354	1	Switch, Rotary Angle Sensor	
	1600402	1	Controller, Drive/Steer	
	4360538	1	Switch and Membrane	
	4360539	1	Switch, Toggle	
	1001097347	1	Relay	
	70004928	1	Filter - 300 Micron	
	70003707	1	Coil	
		Ref	VARIABLE PARTS	
	1001092456	1	Module, Drive Control	
	1001109088	1	Switch, Limit (Non-UL Machines)	
	1001126905	1	Switch, Limit (UL Machines)	
	1001130614	1	Switch, Limit (Machines with Overhead Protection and Low Height Drive Cutout)	
	0610161	1	PC Board - Charger	
	4360469	1	Switch, Key (All Specs except CE Specs)	
	1001163095	1	Sensor, Tilt	
	1600439	1	PC Board, Console Box	
	4360613	1	Switch, Limit (Brake Disconnect)	
	1001181045	1	Breaker, Circuit – 16A/30mAmp Combination (CE Spec Only)	
	1001189172	1	Breaker, Circuit - Double 16Amp (CE Spec Only)	
	1001189171	1	Breaker, Circuit - 30mA (CE Spec Only)	

SECTION 10 - SPECIAL OPTIONS

SECTION 10 - SPECIAL OPTIONS

FIGURE 10-1. 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 the JLG Parts Department.	
		Ref	SPECIAL OPTIONS	
	0272843	Ref	AC Plug and Receptacle Installation (Customer Supplied Plug and Receptacle)	
	0274446	Ref	Airline Installation (2646/3246ES)	
	0272913	Ref	Alarm Installation - Motion (See GROUND CONTROL BOX /ALARM INSTALLATION for Components)	
	1001183458	Ref	Alarm Add-on Kit - Ambient Adjusting (Available on All Specs except UL Spec) (Factory Installed)	
	1001185053	Ref	Alarm Add-on Kit - White Noise (Available on All Specs except UL Spec) (Dealer Installed)	
	0272878	Ref	Antivandalism Package (ANSI Export, CE, Australian, UL, China and Korea Specs Only)	
	1001213525	Ref	Antivandalism Package (ANSI Export, China and Korea Specs)	
	1001191850	Ref	Arm Guards Installation (China Built Machines)	
	1001255613	Ref	Battery Charger Add-on Kit (Can) (ANSI, ANSI Export and Korea Specs)	
	1001255614	Ref	Battery Charger Add-on Kit (Can) (ANSI Export, China and Korea Specs)	
	1001255596	Ref	Battery Charger Add-on Kit (Can) (Australian Specs)	
	0274341	Ref	Battery Charger Interlock Override Installation (ANSI Specs Only)	
	1001190010	Ref	Beacon Light Installation with 2 Lights	
		Ref	ClearSky (Telematics) Installations (Dealer Installed)	
	1001243574	Ref	ClearSky Telematics Access Control Kit (Dealer Installed) (All Specs)	
	1001243185	Ref	ClearSky Telematics Access Control Kit – Single Can (Dealer Installed) (ANSI Specs)	
	1001243186	Ref	ClearSky Telematics Access Control Kit – Single Can (Dealer Installed) (CE Specs)	
	1001265377	Ref	ClearSky Installation - Canbus (Dealer Installed) (ANSI & CSA Specs)	
	1001253879	Ref	ClearSky Installation - Canbus (Dealer Installed) (ANSI Export & CE Specs)	
	1001254325	Ref	ClearSky Installation - Canbus (Dealer Installed) (Australian Specs)	
	1001265384	Ref	ClearSky Installation - Canbus (Dealer Installed) (China Specs)	
		Ref	ClearSky (Telematics) Installations (Factory Installed)	
	1001229107	Ref	ClearSky Telematics (Factory Installed) (ANSI and CSA Specs)	
	1001233237	Ref	ClearSky Telematics (Factory Installed) (ANSI Export and CE Specs)	
	1001253627	Ref	ClearSky Installation - Canbus (ANSI & CSA Specs)	
	1001253949	Ref	ClearSky Installation - Canbus (Australian Specs)	
	1001253948	Ref	ClearSky Installation - Canbus (ANSI Export, CE & Korea Specs)	
	1001229696	Ref	Decals - ClearSky (ANSI, ANSI Export, CE, CSA and Korea Specs)	
	1706765	Ref	Decal - Hazardous Voltage (English Language) (Used with Inverter Installation) (ANSI and CSA Specs)	
	1001136847	Ref	Decal - Hazardous Voltage (English/Spanish Language) (Used with Inverter Installation) (ANSI Export, China and Korea Specs)	
	1001230981	Ref	Decal - Quick Start Reference (Dutch Spec)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001226419	Ref	Decal - Quick Start Reference (English Spec)	
	1001230979	Ref	Decal - Quick Start Reference (French Spec)	
	1001230975	Ref	Decal - Quick Start Reference (German Spec)	
	1001230980	Ref	Decal - Quick Start Reference (Italian Spec)	
	1001230983	Ref	Decal - Quick Start Reference (Russian Spec)	
	1001230982	Ref	Decal - Quick Start Reference (Spanish Spec)	
	1001230984	Ref	Decal - Quick Start Reference (Swedish Spec)	
	1706922	Ref	Decal - Service Support (24HR) (ANSI and CSA Specs)	
	1705304	Ref	Decal - Service Support (CSG Machines Only)	
	1001200363	ref	Decals - UL (Mexico Built Machines) (UL Specs)	
		Ref	Decal Kits	
	1001149798	Ref	Decal Kit - Complete (2646ES)	
	1001149799	Ref	Decal Kit - Complete (3246ES)	
	1001099676	Ref	Drive Cable Kit	
	1001134012	Ref	Drive Cable Kit	
	1001233087	Ref	Drive Motor Covers	
	2915043	Ref	Drive Motors Replacing Kit (Peerless Motors)	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Amp/Tyco Electrical Connector Kit	
	1001148903	Ref	Deutsch DT Electrical Connector Kit	
	1001148904	Ref	Deutsch HD Electrical Connector Kit	
	1001148905	Ref	Packard Electrical Connector Kit	
	1001148906	Ref	Various Electrical Connectors Kit	
	1001184842	Ref	Electrician's Package without Power (Note: See PLATFORM SECTION)	
	1001189484	Ref	Fire Extinguisher Installation (ANSI Spec Only)	
	0273762	Ref	Footswitch Installation with LSS (ANSI Export, Japanese and Korea Specs)	
	1001223325	Ref	Frame Protective Cover (All Specs Except CE Specs)	
	0273859	Ref	Hydraulic Pressure Checks Installation (All Specs except Australian and CE Specs)	
	1001154518	Ref	Inverter/Battery Charger (900W-60Hz) Installation (2646/3246ES ANSI Spec Only)	
	1001140336	Ref	Latch, Magnetic Gate (ANSI, ANSI Export, Australian, China, Japanese and Korea Specs)	
	0273454	Ref	Lifting Lugs Installation (Factory Installed) (All Specs except Australian Specs)	
	1001215518	Ref	Machine Kit	C
	1001215522	1	2646ES Machine Sub-Assembly	C
	1001215524	1	3246ES Machine Sub-Assembly	C
	1001258357	1	Access Control Keypad Installation	
	1001219125	1	Controller (ES System Module)	
	1001215241	1	Batteries Installation (220 A-HR) (Standard)	
	1001215242	1	Batteries Installation (245 A-HR) (No Lock)	
	1001215243	1	Batteries AGM Installation (220 A-HR) (No Lock)	
	1001263426	Ref	Mobile Control Add-on Kit (Dealer Installed)	
	1001184845	Ref	Plant Maintenance Package (Note: See PLATFORM SECTION)	
	1001118216	Ref	Platform Control Box Cover Installation (ANSI Export, CE, China, Japanese, Korea and UL Specs)	
	1001104468	Ref	Platform Corner Hook Kit	
	1001238848	Ref	Platform Entry Kit (Chain Entry) (Dealer Installed)	
	1001262556	Ref	Platform Entry Kit (Gate Entry) (Dealer Installed)	
	1001238257	Ref	Platform Extension Kit	

SECTION 10 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231786	Ref	Platform Extension Block Installation	K
	1001176745	Ref	Platform Rail Padding Installation (Available on All Specs)	
	1001176750	Ref	Platform Rail Padding with Limit Switches (ANSI and UL Specs)	
	1001176748	Ref	Platform Rail Padding with Limit Switches (ANSI, ANSI Export, China and Korea Specs)	
	1001180073	Ref	Platform Worklights Installation (Note: Not Available on UL Machines)	
	1001182326	Ref	Platform Worklights Installation (Available on All Specs)	
	1001220688	Ref	Platform Worklights Installation - 24Volt (Dual) (ANSI Export, China and Korea Specs Only)	
	1001243598	Ref	Platform Worklights Installation - Portable (Available on All Specs)	
	1001184844	Ref	Plumber's Package (Note: See PLATFORM SECTION)	
	1001109345	Ref	Pothole Protection Switch Kit	
	1001176752	Ref	Rail Pads with Proximity Switch Installation (CE and Australian Specs)	
	1001176754	Ref	Rail Pads with Proximity Switch Installation - 2646ES (ANSI Export, China and Korea Specs)	
	1001171015	Ref	RCD Box Installation (Brazil Spec Only)	
	1001230763	Ref	Service Kits & Tools	
	1001253956	Ref	SkySense EDS Level 2 Scissors Kit (Factory Installed) (PVC 1910)	
	1001253373	Ref	SkySense Level 2 Scissors Kit (Factory Installed) (PVC 2004)	
	1001249707	Ref	SkySense Level 1 Scissors Kit (Dealer Installed)	
	1001251400	Ref	SkySense Level 2 Scissors Kit (Dealer Installed)	
	3125053	Ref	Video, Operators (ANSI, ANSI Export and UL Specs)	
	1001262959	Ref	Voltage Regulator Relocation Kit (Dealer Installed)	
	1001246751	Ref	Workstation Without DC Converter Kit (Deal Installed)	
	1001246747	Ref	Workstation With DC Converter Kit (Deal Installed)	
	1001193039	Ref	ZAPI Programming Harness	

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