



# Illustrated Parts Manual

## *Model* **1930ES**

SN 0200239382 to Present  
SN B200020297 to Present  
SN M200000100 to Present  
SN 1200025021 to Present

P/N  
3121681

October 1, 2018 - Rev 0

**ANSI**

**CE**



**AS/NZS**



An Oshkosh Corporation Company



## REVISION LOG

### NOTES:

NOTE: Country of Manufacture - The ES Scissor Lifts are manufactured by JLG Industries in the following countries: USA, Belgium, China or Mexico. Refer to the Serial Number Tag to identify the country of manufacture. ES Scissors manufactured in the USA will have a serial number prefix of 02 (i.e. 02XXXXXXXX), ES Scissors manufactured in Belgium will have a prefix of 12 (i.e. 12XXXXXXXX), ES Scissors manufactured in China will have a serial number prefix of B2 (i.e. B2XXXXXXXX) and ES Scissors manufactured in Mexico will have a serial number prefix of M2 (i.e. M2XXXXXXXX).

NOTE: 1930ES Global Illustrated Parts Manual P/N 3121167 has been replaced by multiple manuals. Review machine SN and use the Global Illustrated Parts Manual for the correct serial number range: USA Built Machines Prior to SN 0200135154 - Use manual p/n 3121246.

USA Built Machines SN 0200135154 to SN 0200152824 - Use manual p/n 3121247.  
USA Built Machines SN 0200152825 to SN 0200198013 - Use manual p/n 3121248.  
USA Built Machines SN 0200198014 to SN 0200239381 - Use manual p/n 3121275.  
USA Built Machines SN 0200239382 to Present - Use manual p/n 3121681  
Belgium Built Machines Prior to SN 1200004293 - Use manual p/n 3121246.  
Belgium Built Machines SN 1200004293 to SN 1200008480 - Use manual p/n 3121247.  
Belgium Built Machines SN 1200008481 through SN 1200025020 - Use manual p/n 3121248.  
Belgium Built Machines SN 1200025021 to Present - Use manual p/n 3121681.  
China Built Machines SN B200000100 to SN B200020296 - Use manual p/n 3121275.  
China Built Machines SN B200020297 to Present - Use manual p/n 3121681  
Mexico Built Machines SN M200000100 to Present - Use manual p/n 3121681

### MANUAL REVISION LOG:

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## **REVISION LOG**

### MANUAL REVISION LOG:

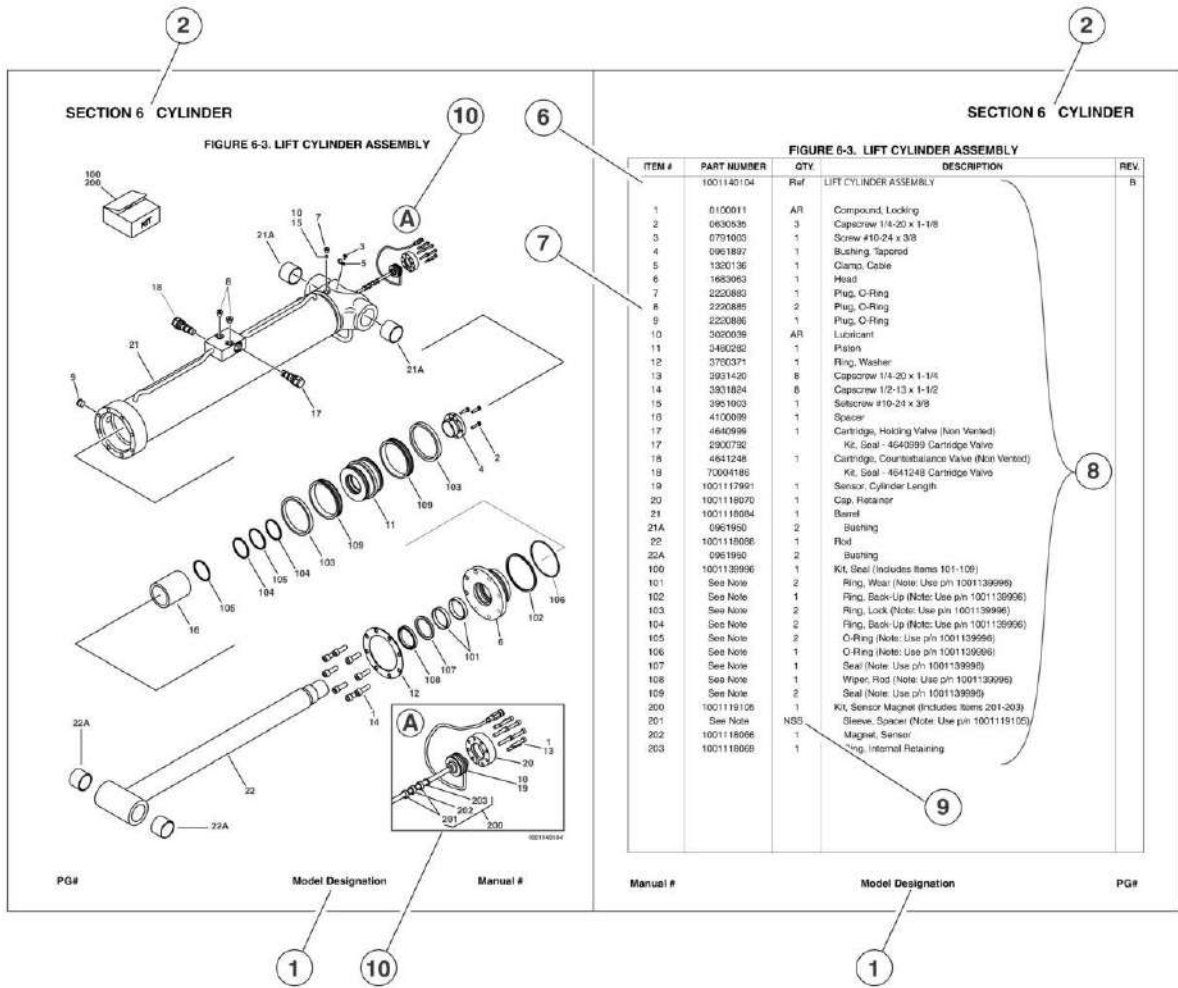
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# GENERAL INFORMATION



## 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

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

## 4) RECOMMENDED SPARE PARTS

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

## 5) PART NUMBER INDEX

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

## GENERAL INFORMATION

### 6) NON-SERVICED PARTS

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

### 7) PARTS LIST ITEM NUMBERS

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

### 8) INDENTED PARTS DESCRIPTION

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

### 9) ABBREVIATION AND SYMBOLS

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

# TABLE OF CONTENTS

SECTION 1 - FRAME.....	11
FIGURE 1-1. STEERING INSTALLATION (USA AND MEXICO BUILT MACHINES).....	12
FIGURE 1-2. STEERING INSTALLATION (BELGIUM AND CHINA BUILT MACHINES).....	14
FIGURE 1-3. DRIVE HUB AND MODULE INSTALLATION.....	16
FIGURE 1-4. DRIVE HUB AND MODULE INSTALLATION (BELGIUM BUILT MACHINES ONLY).....	18
FIGURE 1-5. DRIVE MOTOR/HUB ASSEMBLY.....	20
FIGURE 1-6. HUB ASSEMBLY - REAR.....	24
FIGURE 1-7. TIRE AND WHEEL ASSEMBLY (SOLIDEAL).....	26
FIGURE 1-8. TIRE AND WHEEL ASSEMBLY (EXMILE).....	28
FIGURE 1-9. POTHOLE PROTECTION INSTALLATION - NON-UL.....	30
FIGURE 1-10. POTHOLE PROTECTION INSTALLATION - UL.....	32
FIGURE 1-11. BATTERY CHARGER INSTALLATION WITH 110V PLUG AND DELTA-Q CHARGER (ANSI, ANSI EXPORT, CSA, JAPANESE AND UL SPECS).....	34
FIGURE 1-12. BATTERY CHARGER INSTALLATION WITH DELTA-Q CHARGER (ANSI, ANSI EXPORT, CSA AND CE SPECS).....	36
FIGURE 1-13. CHARGER (INVERTER) INSTALLATION (ANSI, ANSI EXPORT AND CSA SPECS).....	38
FIGURE 1-14. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG (AUSTRALIAN SPEC).....	40
FIGURE 1-15. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG (CHINESE SPEC).....	42
FIGURE 1-16. BATTERY CHARGER INSTALLATION - EAGLE PERFORMANCE (ANSI AND CSA SPEC).....	44
FIGURE 1-17. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED - EAGLE PERFORMANCE (ANSI AND CSA SPEC).....	46
FIGURE 1-18. BATTERY CHARGER ASSEMBLY - DELTA-Q.....	48
FIGURE 1-19. BATTERY CHARGER ASSEMBLY EAGLE PERFORMANCE.....	50
FIGURE 1-20. BEACON (AMBER) LIGHT INSTALLATION (OPTIONAL).....	52
FIGURE 1-21. LADDER INSTALLATION - 1930ES.....	54
SECTION 2 - GROUND COMPONENTS.....	57
FIGURE 2-1. GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present).....	58
FIGURE 2-2. GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN B200020297 through B200023284).....	60
FIGURE 2-3. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present).....	62
FIGURE 2-4. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN B200020297 through B200023284).....	64
FIGURE 2-5. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPEC) (SN 0200239382 through 0200241828) ...	66
FIGURE 2-6. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPEC) (SN B200020297 through B200021650) ..	68
FIGURE 2-7. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPECS) (SN 0200241829 to Present, SN B200021651 to Present, SN M200000100 to Present).....	70
FIGURE 2-8. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPECS) (SN 1200025022 to Present).....	72
FIGURE 2-9. GROUND CONTROL BOX ASSEMBLY - NO LSS (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present).....	74
FIGURE 2-10. GROUND CONTROL BOX ASSEMBLY - NO LSS (SN B200020297 through B200023284).....	76
FIGURE 2-11. GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE) (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present).....	78
FIGURE 2-12. GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE) (SN B200020297 through B200023284).....	80
FIGURE 2-13. GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN 0200239382 through 0200241828).....	82
FIGURE 2-14. GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN B200020297 through B200021650).....	84
FIGURE 2-15. GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN 0200241829 to Present, SN 1200025021 to Present, SN B200021651 to Present, SN M200000100 to Present).....	86
FIGURE 2-16. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-LOCKING COVERS).....	88
FIGURE 2-17. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-UL LOCKING COVERS).....	90
FIGURE 2-18. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (UL LOCKING COVERS).....	92
FIGURE 2-19. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON-LOCKING COVERS).....	94
FIGURE 2-20. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON-UL LOCKING COVERS).....	96
FIGURE 2-21. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (UL LOCKING COVERS).....	98
FIGURE 2-22. BATTERIES INSTALLATION - 220 AH RATING WITHOUT BATTERIES (NON LOCKING COVERS).....	100
FIGURE 2-23. BATTERY TRAY ASSEMBLY - NON-UL.....	102
FIGURE 2-24. BATTERY TRAY ASSEMBLY - UL.....	104
FIGURE 2-25. BATTERY COVER ASSEMBLY - NON-LOCKING.....	106
FIGURE 2-26. BATTERY COVER ASSEMBLY - LOCKING.....	108
FIGURE 2-27. BRAKE DISCONNECT AND MDI (MULTIFUNCTION DIGITAL INDICATOR) GAUGE INSTALLATION.....	110
FIGURE 2-28. BRAKE CABLE INSTALLATION (OPTIONAL).....	112

# TABLE OF CONTENTS

SECTION 3 - SCISSOR ARMS .....	115
FIGURE 3-1. SCISSORS ARMS INSTALLATION - 1930ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) .....	116
FIGURE 3-2. SCISSORS ARMS ASSEMBLY - 1930ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) .....	118
FIGURE 3-3. SCISSORS ARMS INSTALLATION - 1930ES STANDARD HYDRAULIC OIL (BELGIUM AND CHINA BUILT MACHINES) .....	120
FIGURE 3-4. SCISSORS ARMS ASSEMBLY - 1930ES STANDARD HYDRAULIC OIL (BELGIUM AND CHINA BUILT MACHINES) .....	122
FIGURE 3-5. SCISSORS ARMS INSTALLATION - 1930ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) .....	124
FIGURE 3-6. SCISSORS ARMS ASSEMBLY - 1930ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) .....	126
FIGURE 3-7. SCISSORS ARMS INSTALLATION - 1930ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) .....	128
FIGURE 3-8. SCISSORS ARMS ASSEMBLY - 1930ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) .....	130
SECTION 4 - PLATFORM .....	133
FIGURE 4-1. PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITHOUT LSS .....	134
FIGURE 4-2. PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITHOUT LSS .....	136
FIGURE 4-3. PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITH LSS .....	138
FIGURE 4-4. PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITH LSS .....	140
FIGURE 4-5. PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAILS .....	142
FIGURE 4-6. PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS .....	144
FIGURE 4-7. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS (SN 1200025021 through 1200030223, SN B200020297 through B200051193, SN M200000100 through M200021475) .....	146
FIGURE 4-8. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS (SN 1200030224 to Present, SN B200051194 to Present, SN M200021476 to Present) .....	148
FIGURE 4-9. LATCH ASSEMBLY - WITH OUTSIDE EXTENSION RAILS .....	150
FIGURE 4-10. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND CHAIN GATE .....	152
FIGURE 4-11. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE .....	154
FIGURE 4-12. RAIL KIT - WITH INSIDE EXTENSION RAILS AND CHAIN GATE .....	156
FIGURE 4-13. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE .....	158
FIGURE 4-14. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE .....	160
FIGURE 4-15. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE .....	162
FIGURE 4-16. RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE .....	164
FIGURE 4-17. RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE .....	166
FIGURE 4-18. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE .....	168
FIGURE 4-19. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE .....	170
FIGURE 4-20. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE .....	172
FIGURE 4-21. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE .....	174
FIGURE 4-22. RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE .....	176
FIGURE 4-23. RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE .....	178
FIGURE 4-24. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE .....	180
FIGURE 4-25. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE .....	182
FIGURE 4-26. PLATFORM CONSOLE ASSEMBLY .....	184
FIGURE 4-27. PLATFORM CONSOLE ASSEMBLY .....	186
FIGURE 4-28. DRIVE/STEER CONTROLLER ASSEMBLY .....	188
FIGURE 4-29. PLATFORM CONSOLE HANGER INSTALLATION (OPTIONAL) .....	190
FIGURE 4-30. WORKSTATION WITHOUT DC CONVERTER INSTALLATION .....	192
FIGURE 4-31. WORKSTATION WITH DC CONVERTER INSTALLATION .....	194
FIGURE 4-32. ELECTRICIAN'S TREE INSTALLATION .....	196
FIGURE 4-33. LOW HEIGHT DRIVE CUTOUT (JAPANESE SPECS ONLY) .....	198
FIGURE 4-34. OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY) .....	200
FIGURE 4-35. OVERHEAD SWITCH KIT (FRONT) .....	202
FIGURE 4-36. PIPE RACK INSTALLATION (AUSTRALIAN AND CE SPECS) .....	204
FIGURE 4-37. QUIK WELDER INSTALLATION .....	206
FIGURE 4-38. QUIK WELDER READY INSTALLATION .....	208
SECTION 5 - CYLINDER .....	211
FIGURE 5-1. LIFT CYLINDER ASSEMBLY- 1930ES (TEXAS HYDRAULICS) .....	212
FIGURE 5-2. LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SERTA) (SN 0200239382 through 0200258871, SN B200020297 through B200032100, SN M200000100 through M200003501) .....	216
FIGURE 5-3. LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SERTA) (SN 0200258872 to Present, SN B200032101 to Present, SN M200003501 to Present) .....	220

# TABLE OF CONTENTS

FIGURE 5-4. LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SH-PAC) (SN 0200239382 through 0200258871, SN B200020297 through B200032100, SN M200000100 through M200003501) .....	224
FIGURE 5-5. LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SH-PAC) (SN 0200258872 to Present, SN 1200025021 to Present, SN B200032101 to Present, SN M200003502 to Present) .....	228
FIGURE 5-6. LIFT CYLINDER ASSEMBLY - 1930ES WITH BIODEGRADABLE HYDRAULIC OIL (SERTA).....	232
FIGURE 5-7. LIFT CYLINDER ASSEMBLY - 1930ES WITH BIODEGRADABLE HYDRAULIC OIL (SH-PAC) .....	236
FIGURE 5-8. STEER CYLINDER ASSEMBLY (SERTA) .....	240
FIGURE 5-9. STEER CYLINDER ASSEMBLY (SH-PAC).....	242
<b>SECTION 6 - HYDRAULIC</b> .....	<b>245</b>
FIGURE 6-1. HYDRAULIC DIAGRAM LIST .....	246
<b>SECTION 7 - ELECTRICAL</b> .....	<b>247</b>
FIGURE 7-1. ELECTRICAL DIAGRAM LIST.....	248
FIGURE 7-2. AC BOX AT PLATFORM INSTALLATION - 110V GFI.....	250
FIGURE 7-3. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE (ANSI EXPORT SPEC ONLY) .....	252
FIGURE 7-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY) .....	254
FIGURE 7-5. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPEC ONLY) .....	256
FIGURE 7-6. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPEC ONLY) .....	258
FIGURE 7-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD (CE SPEC ONLY) .....	260
FIGURE 7-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GRD (CE SPEC ONLY).....	262
FIGURE 7-9. AC BOX AT PLATFORM INSTALLATION - 220V (CHINESE SPEC ONLY).....	264
FIGURE 7-10. BATTERY CABLE KIT .....	266
FIGURE 7-11. BRAKE DISCONNECT HARNESS .....	268
FIGURE 7-12. BREAKER BOX KIT WITH TWO BREAKERS (CE SPEC ONLY) .....	270
FIGURE 7-13. BREAKER BOX KIT WITH THREE BREAKERS (CE SPEC ONLY) .....	272
FIGURE 7-14. CABLES INSTALLATION .....	274
FIGURE 7-15. CABLES INSTALLATION .....	276
FIGURE 7-16. CABLES INSTALLATION .....	278
FIGURE 7-17. CABLES INSTALLATION .....	280
FIGURE 7-18. CABLES INSTALLATION .....	282
FIGURE 7-19. CABLES INSTALLATION .....	284
FIGURE 7-20. CHARGER CORD PLUG INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY) .....	286
FIGURE 7-21. CHARGER CORD PLUG INSTALLATION - 220V IEC BLUE (CE SPEC).....	288
FIGURE 7-22. CHARGER CORD PLUG INSTALLATION - 220V AFSINT 107 (CE SPEC) .....	290
FIGURE 7-23. CHARGER CORD PLUG INSTALLATION - 220V CEE7 POST GROUND (CE SPEC) .....	292
FIGURE 7-24. CHARGER CORD PLUG INSTALLATION - 220V POST GROUND (CE SPEC) .....	294
FIGURE 7-25. CHARGER CORD PLUG INSTALLATION (KOREA SPEC).....	296
FIGURE 7-26. CHASSIS HARNESS .....	298
FIGURE 7-27. CHASSIS HARNESS - UL MACHINES .....	300
FIGURE 7-28. CYLINDER HARNESS.....	302
FIGURE 7-29. DRIVE CABLE ASSEMBLY .....	304
FIGURE 7-30. DRIVE FIELD CONNECTION HARNESS.....	306
FIGURE 7-31. GROUND CONTROL BOX HARNESS (SN B200020297 through B200023284).....	308
FIGURE 7-32. GROUND CONTROL BOX HARNESS (SN 0200239382 to Present, SN 1200025021 to Present, SN B200023285 to Present, SN M200000100 to Present) .....	310
FIGURE 7-33. GROUND CONTROL BOX HARNESS - NO LSS (SN 0200266380 to Present, SN B200042931 to Present, SN M200012180 to Present) .....	312
FIGURE 7-34. GROUND TO PLATFORM HARNESS .....	314
FIGURE 7-35. GROUND TO PLATFORM HARNESS .....	316
FIGURE 7-36. LOAD SENSE HARNESS.....	318
FIGURE 7-37. MDI (MULTIFUNCTION DIGITAL INDICATOR) HARNESS .....	320
FIGURE 7-38. PLATFORM BOX HARNESS.....	322
FIGURE 7-39. PLATFORM CABLE ASSEMBLY (SN 0200239382 through 0200262428, SN 1200025021 to Present, SN B200020297 to Present, SN M200000100 through M200010194) .....	324
FIGURE 7-40. PLATFORM CABLE ASSEMBLY (SN 0200262429 to Present, SN M200010195 to Present) .....	326
FIGURE 7-41. PUMP POWER CABLE ASSEMBLY .....	328
FIGURE 7-42. RECEPTACLE BOX KIT – 110V GFI .....	330
FIGURE 7-43. RECEPTACLE BOX KIT – 110V IEC YELLOW (CE SPEC) .....	332
FIGURE 7-44. RECEPTACLE BOX KIT – 220V IEC BLUE (CE SPEC) .....	334
FIGURE 7-45. RECEPTACLE BOX KIT – 220V AFSINT 107 (CE SPEC).....	336
FIGURE 7-46. RECEPTACLE BOX KIT – 220V CEE7 SIDE GROUND (CE SPEC).....	338
FIGURE 7-47. RECEPTACLE BOX KIT – 220V CEE7 POST GROUND (CE SPEC) .....	340
FIGURE 7-48. WORKSTATION POWER HARNESS.....	342

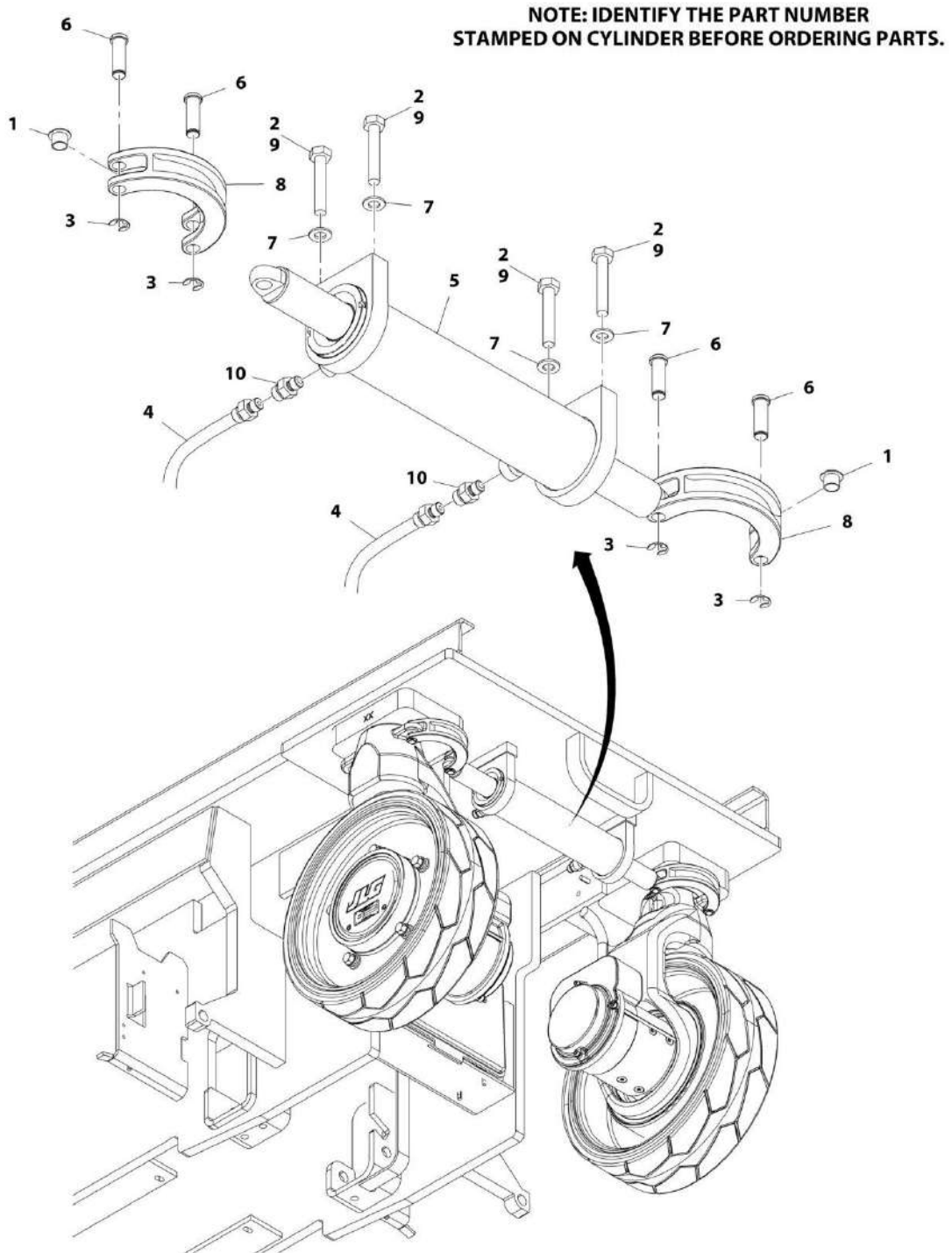
# TABLE OF CONTENTS

SECTION 8 - DECALS .....	345
FIGURE 8-1. DECAL INSTALLATION - ANSI SPEC (ENGLISH) .....	346
FIGURE 8-2. DECAL INSTALLATION - AUSTRALIAN SPEC (ENGLISH) .....	348
FIGURE 8-3. DECAL INSTALLATION - BRAZIL SPEC (PORTUGUESE/SPANISH) .....	350
FIGURE 8-4. DECAL INSTALLATION - CE SPEC (ENGLISH) .....	352
FIGURE 8-5. DECAL INSTALLATION - CHINA SPEC (GB) .....	354
FIGURE 8-6. DECAL INSTALLATION - CHINESE SPEC (CHINESE/ENGLISH) .....	356
FIGURE 8-7. DECAL INSTALLATION - CSA SPEC (ENGLISH/FRENCH) .....	358
FIGURE 8-8. DECAL INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH) .....	360
FIGURE 8-9. DECAL INSTALLATION - LATIN AMERICAN SPEC (ENGLISH/SPANISH) .....	362
FIGURE 8-10. DECAL INSTALLATION - OPTIONS .....	364
SECTION 9 - RECOMMENDED SERVICE PARTS STOCK .....	367
FIGURE 9-1. RECOMMENDED SERVICE PARTS STOCK .....	368
SECTION 10 - SPECIAL OPTIONS .....	369
FIGURE 10-1. SPECIAL OPTIONS .....	370
PART NUMBER INDEX .....	373

**SECTION 1 - FRAME**

# SECTION 1 - FRAME

## FIGURE 1-1. STEERING INSTALLATION (USA AND MEXICO BUILT MACHINES)



ART\_1001157326



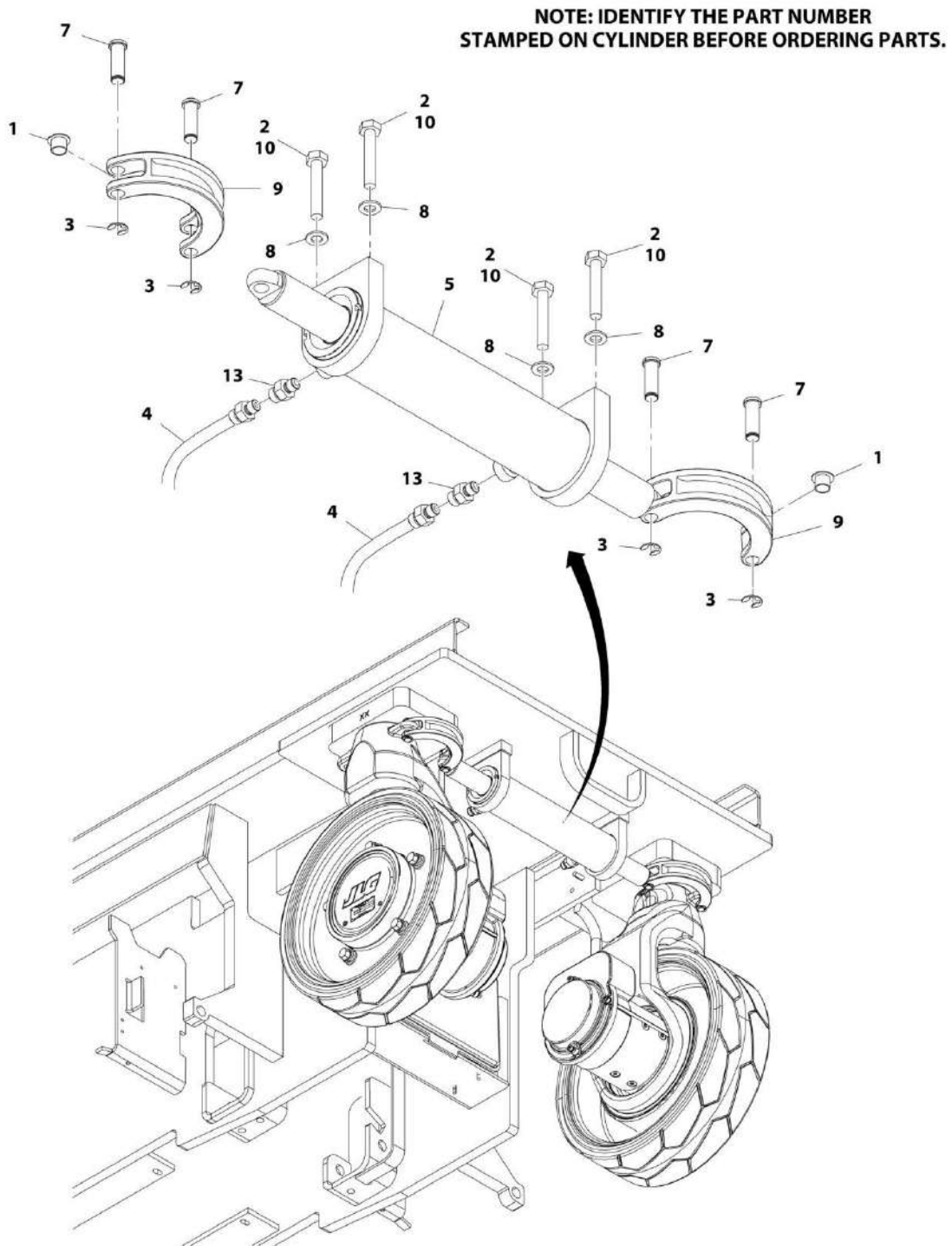
## SECTION 1 - FRAME

### FIGURE 1-1. STEERING INSTALLATION (USA AND MEXICO BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157326	Ref	STEERING INSTALLATION (USA AND MEXICO BUILT MACHINES)	B
1	0440259	2	Bearing	
2	0701016	4	Bolt M10 x 40	
3	1380153	4	Clip	
4	2755056	2	Hose Assembly	
5	1001155850	1	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
6	3423037	4	Pin, Clevis	
7	4812000	4	Washer M10	
8	4846757	2	Lug, Steer	
9	0100011	AR	Compound, Locking	
10	2110404	2	Fitting, Straight ORFS/ORB	

# SECTION 1 - FRAME

## FIGURE 1-2. STEERING INSTALLATION (BELGIUM AND CHINA BUILT MACHINES)



ART\_1001131074

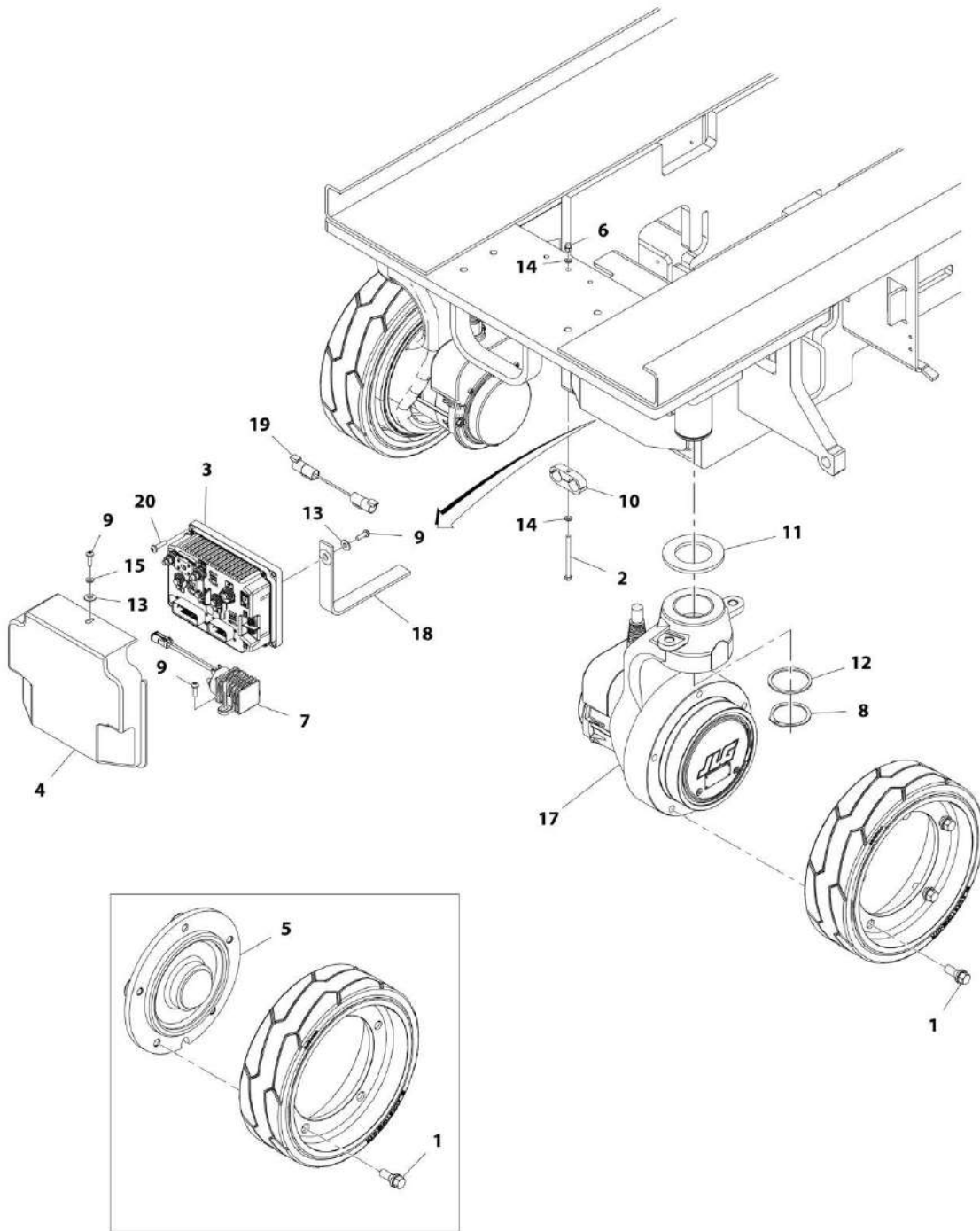
## SECTION 1 - FRAME

**FIGURE 1-2. STEERING INSTALLATION (BELGIUM AND CHINA BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131074	Ref	STEERING INSTALLATION (BELGIUM AND CHINA BUILT MACHINES)	B
1	0440259	2	Bearing, Flange	
2	0701016	4	Bolt M10 x 40	
3	1380153	4	Clip	
4	2755056	2	Hose Assembly	
5	1001129267	1	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
7	3423037	4	Pin, Clevis	
8	4812000	4	Washer M10	
9	4846757	2	Lug, Steer	
10	0100011	AR	Compound, Locking	
13	2110404	2	Fitting, Straight ORFS/ORB	

# SECTION 1 - FRAME

## FIGURE 1-3. DRIVE HUB AND MODULE INSTALLATION



REAR WHEEL SHOWN HERE FOR CLARITY

ART\_1001117032

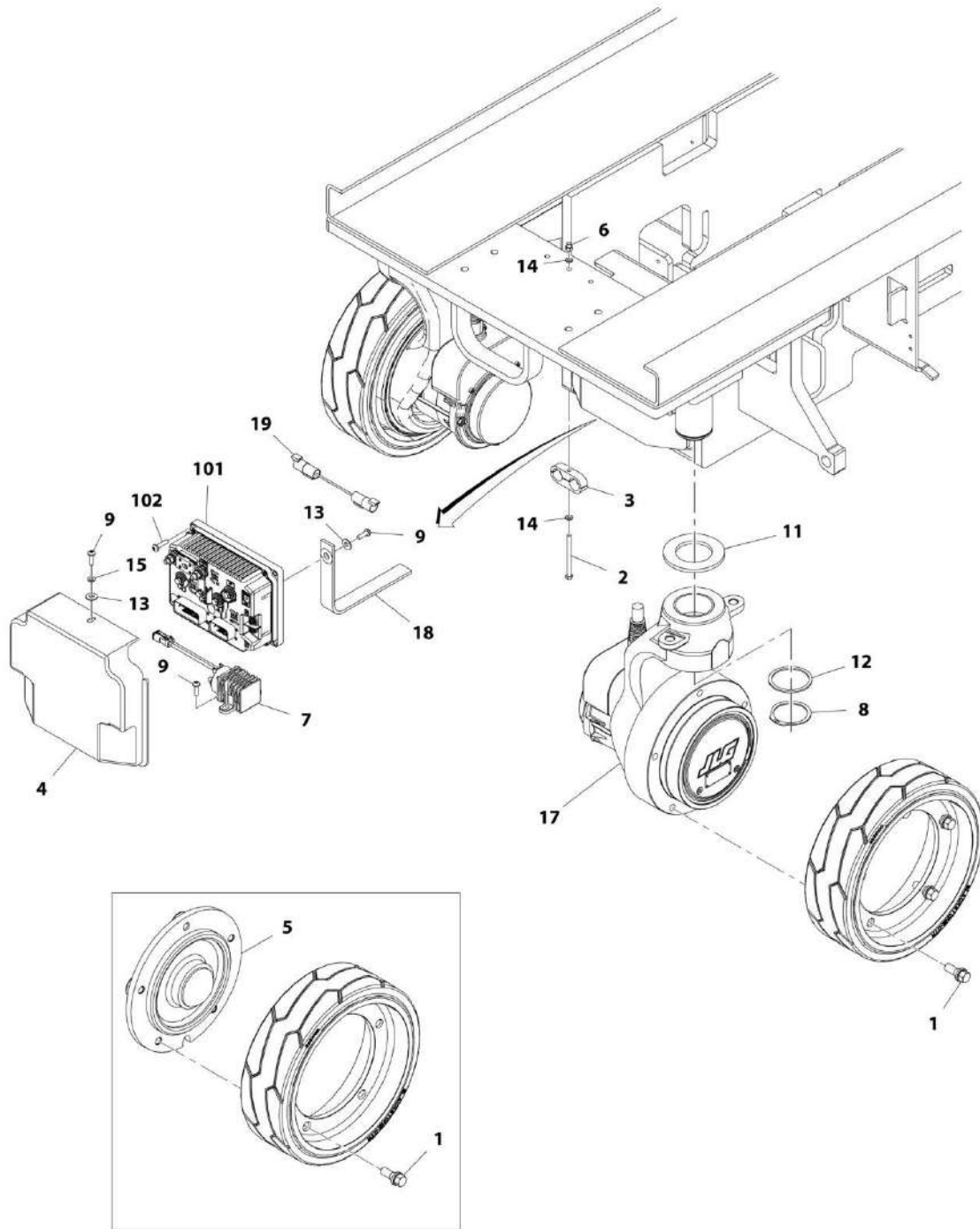
## SECTION 1 - FRAME

**FIGURE 1-3. DRIVE HUB AND MODULE INSTALLATION**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117032	Ref	DRIVE HUB AND MODULE INSTALLATION	B
1	0630580	20	Bolt, Wheel	
2	0700624	1	Bolt M6 x 80	
3	1001092456	1	Module, Control	
4	1001115170	1	Cover	
5	2780266	2	Hub Assembly - Rear (See HUB ASSEMBLY - REAR for Breakdown)	
6	3290606	1	Nut M6	
7	3740150	1	Relay	
7	4460891	1	Connector - 2 Position	
8	3760463	2	Ring, Retaining	
9	4191708	4	Screw M6 x 20	
10	1001094301	1	Clamp	
11	4740524	2	Washer, Thrust	
12	4740564	2	Washer	
13	4751400	2	Washer 1/4	
14	4811700	2	Washer M6	
15	4831700	1	Lockwasher, M6	
17	1001092737	2	Drive Motor Assembly (See DRIVE MOTOR/HUB ASSEMBLY for Breakdown)	
18	4240147	1	Strap, Anti-Static	
19	4923602	1	Harness, Field Wire Connection (See ELECTRICAL SECTION for Breakdown)	
20	4191709	4	Screw M6 x 25	

# SECTION 1 - FRAME

FIGURE 1-4. DRIVE HUB AND MODULE INSTALLATION (BELGIUM BUILT MACHINES ONLY)



REAR WHEEL SHOWN HERE FOR CLARITY

ART\_1001219122

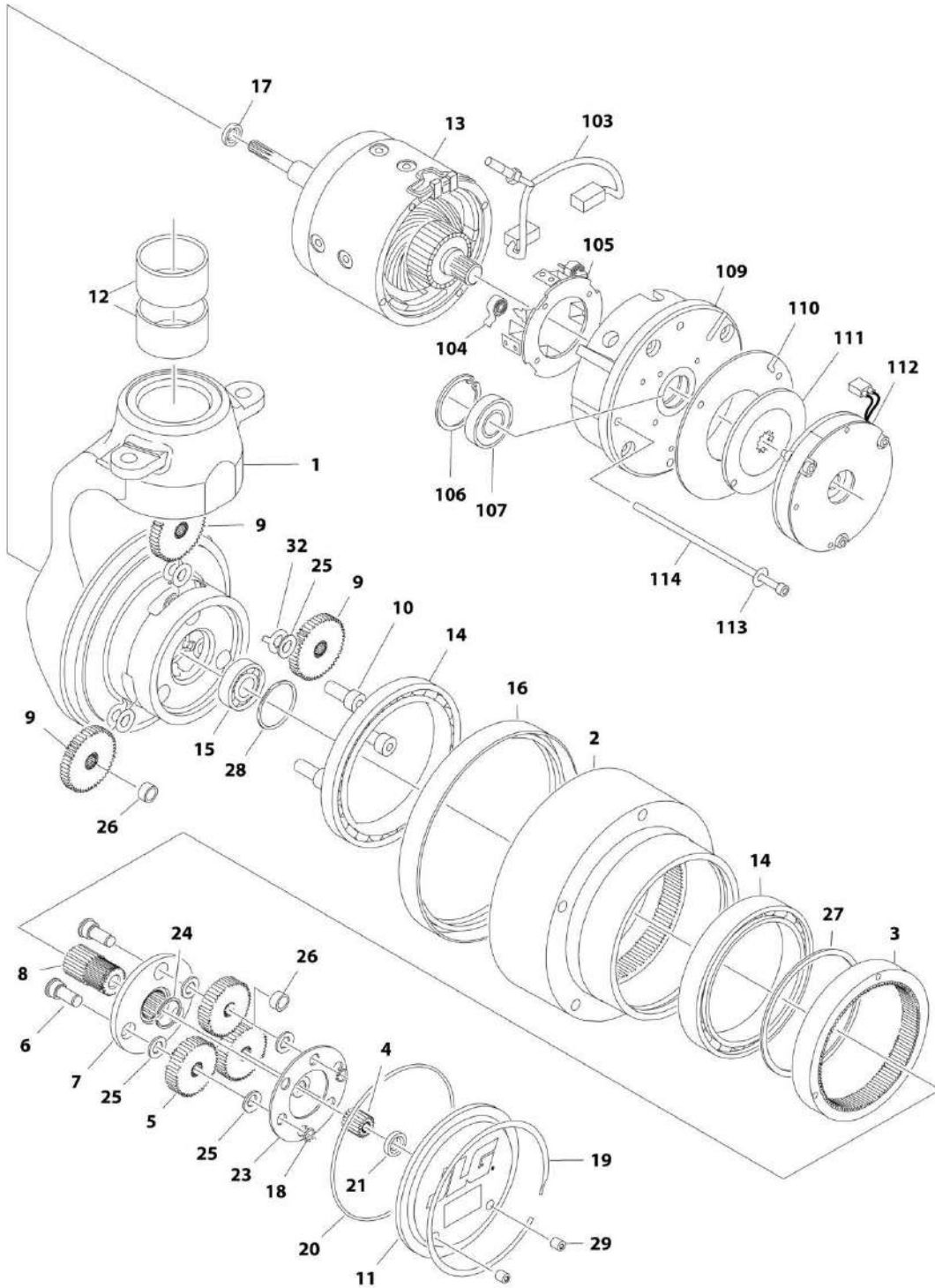
## SECTION 1 - FRAME

**FIGURE 1-4. DRIVE HUB AND MODULE INSTALLATION (BELGIUM BUILT MACHINES ONLY)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219122	Ref	DRIVE HUB AND MODULE INSTALLATION (BELGIUM BUILT MACHINES ONLY)	A
1	0630580	20	Bolt, Wheel	
2	0700624	1	Bolt M6 x 80	
3	1001094301	1	Clamp	
4	1001115170	1	Cover	
5	2780266	2	Hub Assembly - Rear (See HUB ASSEMBLY - REAR for Breakdown)	
6	3290606	1	Nut M6	
7	3740150	1	Relay	
7	4460891	1	Connector - 2 Position	
8	3760463	2	Ring, Retaining	
9	4191708	4	Screw M6 x 20	
11	4740524	2	Washer, Thrust	
12	4740564	2	Washer	
13	4751400	2	Washer 1/4	
14	4811700	2	Washer M6	
15	4831700	1	Lockwasher, M6	
17	1001092737	2	Drive Motor Assembly (See DRIVE MOTOR/HUB ASSEMBLY for Breakdown)	
18	4240147	1	Strap, Anti-Static	
19	4923602	1	Harness, Field Wire Connection (See ELECTRICAL SECTION for Breakdown)	
		Ref	ADDITIONAL COMPONENTS ORDERED SEPARATE	
101	1001092456	1	Module, Control	
102	4191709	4	Screw M6 x 25	

# SECTION 1 - FRAME

## FIGURE 1-5. DRIVE MOTOR/HUB ASSEMBLY

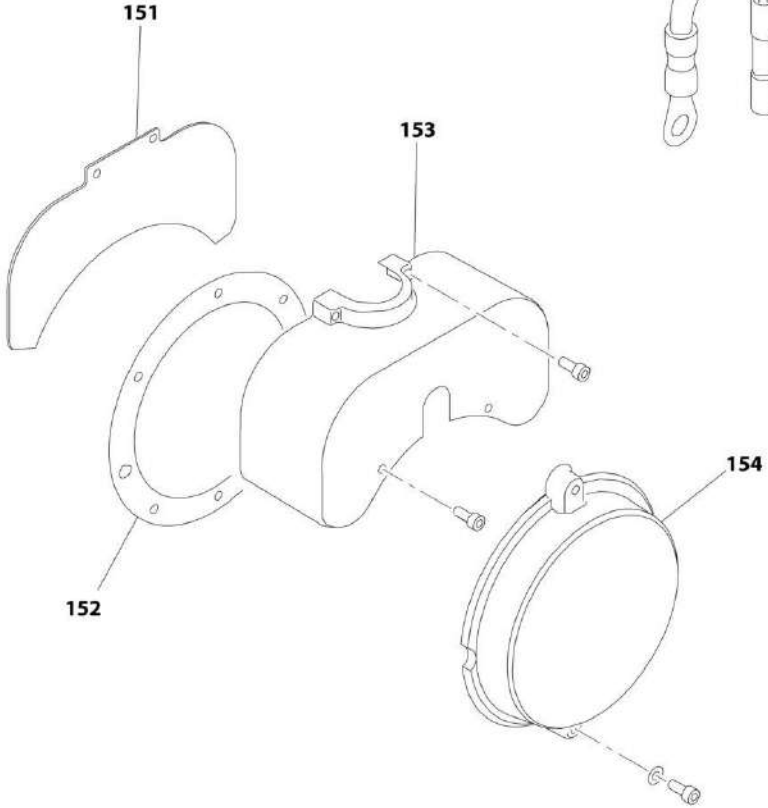
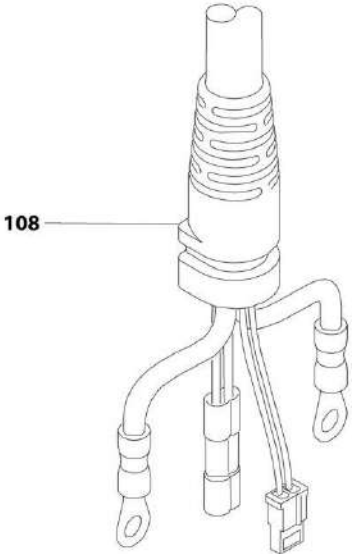
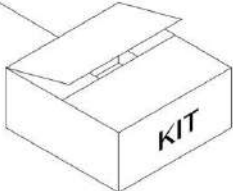


ART\_1001092737\_10F2



**SECTION 1 - FRAME**

- 201
- 202
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- 211



ART\_1001092737\_20F2

# SECTION 1 - FRAME

## FIGURE 1-5. DRIVE MOTOR/HUB ASSEMBLY

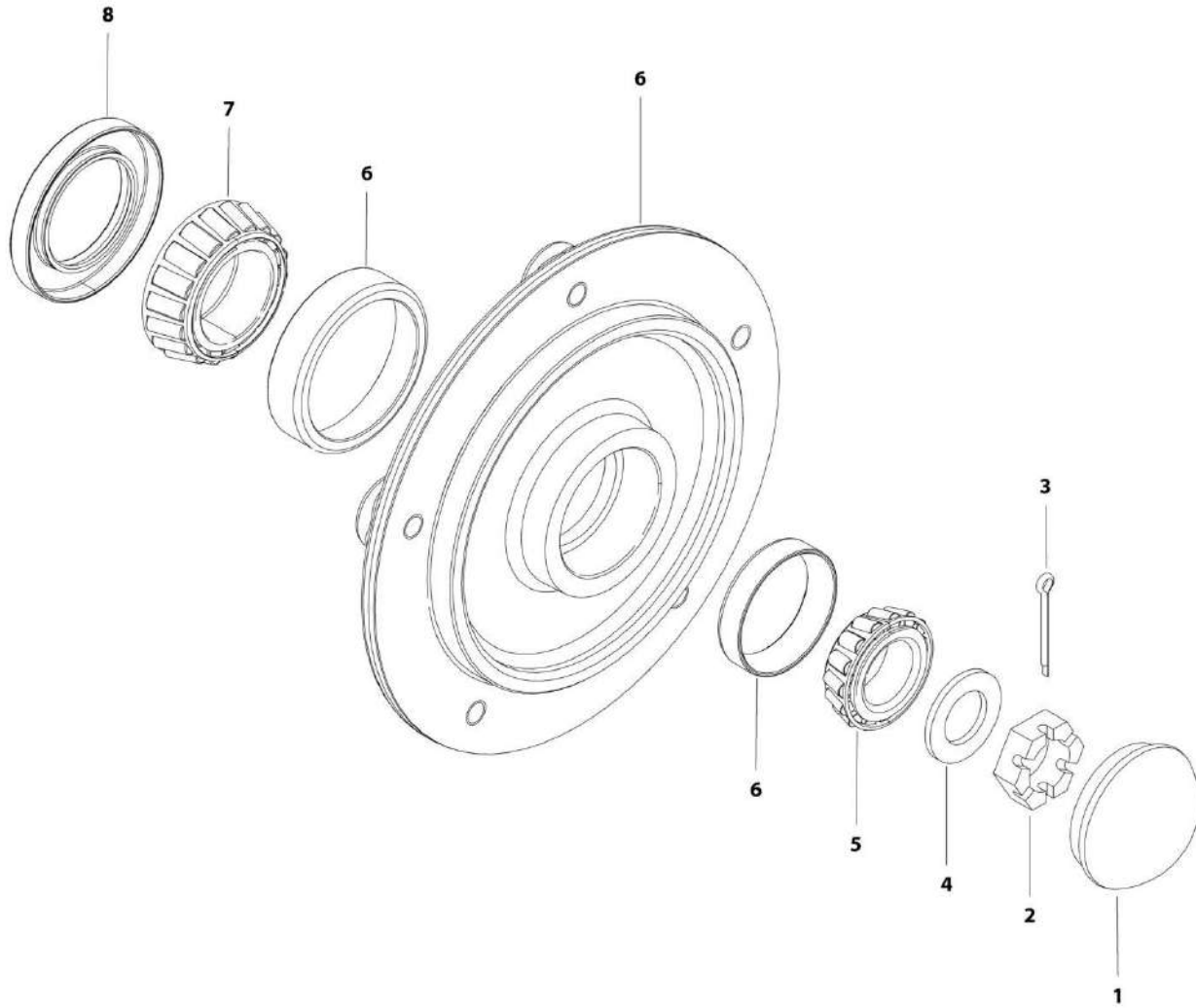
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001092737	Ref	DRIVE MOTOR/HUB ASSEMBLY	I
		Ref	HUB ASSEMBLY	
1	See Note	NSS	Spindle (Note: Purchase Complete Assembly)	
2	See Note	NSS	Hub (Note: Use Item 206)	
3	See Note	NSS	Ring, Input (Note: Use Item 204)	
4	See Note	NSS	Gear, Input Sun (Note: Use Item 203)	
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	1001091502	1	Harness, Drive Motor (See ELECTRICAL SECTION for Breakdown)	
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	

## SECTION 1 - FRAME

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	70001263	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)	
209	7024772	1	Brake Kit (Includes Items 110, 111 & 112)	
210	7024773	1	Motor Hardware Kit (Includes Items 113 & 114)	
211	70001265	1	Brake Cover Kit (Includes Items 151, 152 & 154)	

# SECTION 1 - FRAME

## FIGURE 1-6. HUB ASSEMBLY - REAR



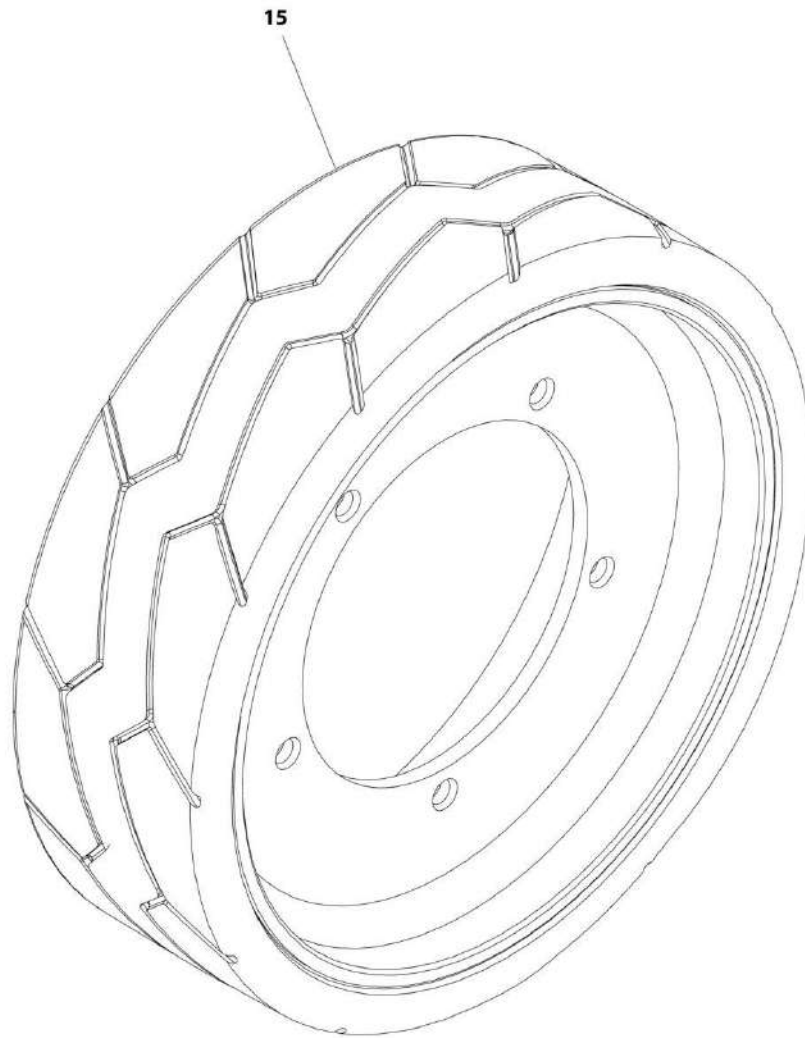
ART\_2780266

FIGURE 1-6. HUB ASSEMBLY - REAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780266	Ref	HUB ASSEMBLY	D
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)	

# SECTION 1 - FRAME

FIGURE 1-7. TIRE AND WHEEL ASSEMBLY (SOLIDEAL)



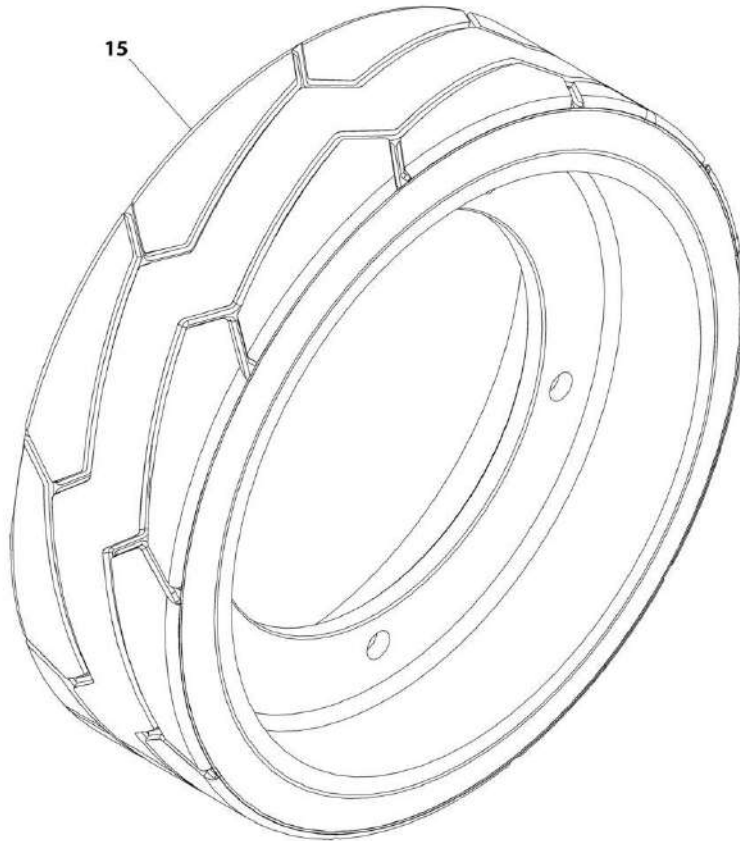
ART\_100114467

**FIGURE 1-7. TIRE AND WHEEL ASSEMBLY (SOLIDEAL)**

<b>ITEM</b>	<b>PART NUMBER</b>	<b>QTY</b>	<b>DESCRIPTION</b>	<b>REV</b>
15	1001114467	Ref	TIRE AND WHEEL ASSEMBLY (SOLIDEAL)	
		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)	

# SECTION 1 - FRAME

FIGURE 1-8. TIRE AND WHEEL ASSEMBLY (EXMILE)



ART\_1001219582



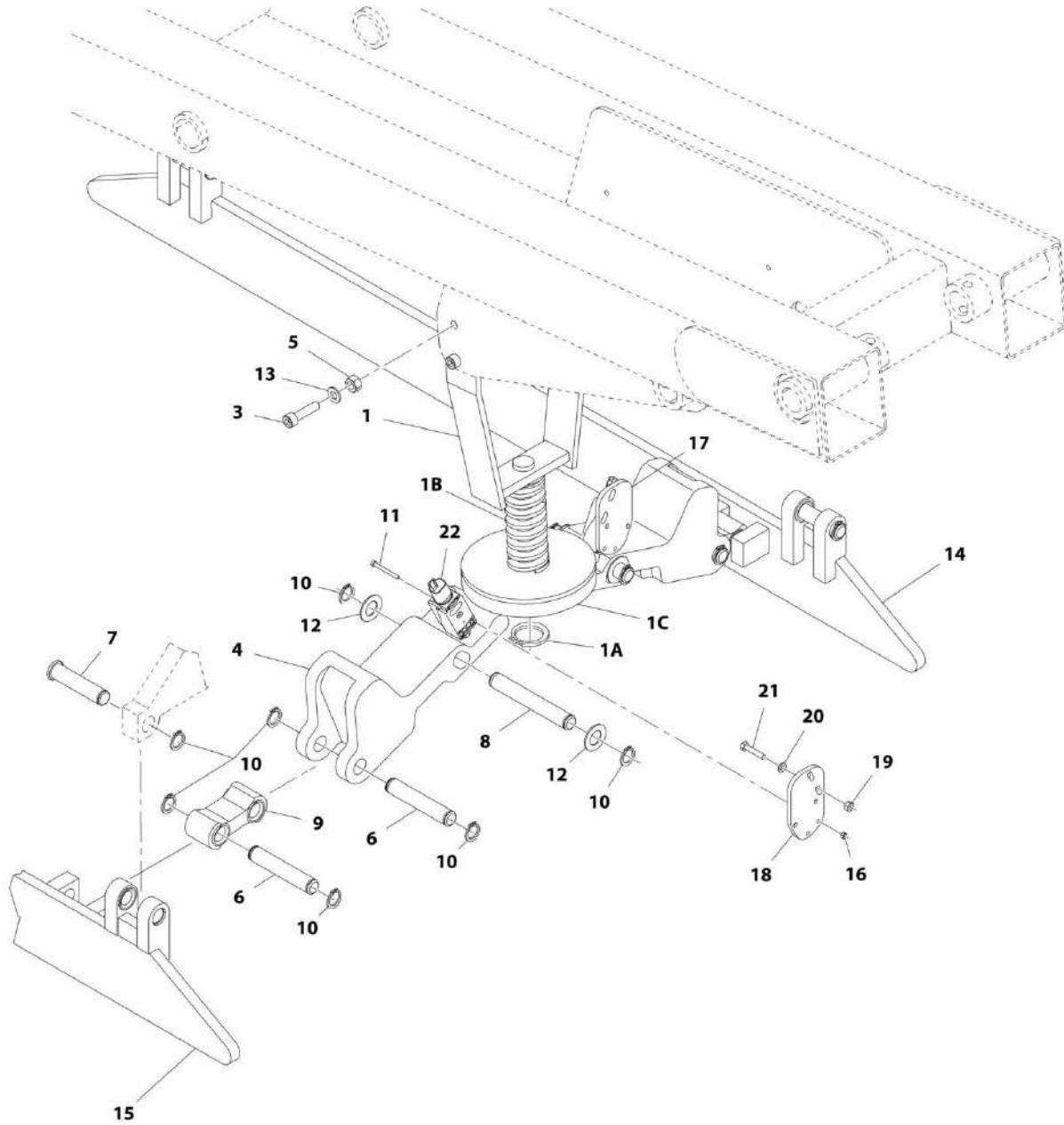
**SECTION 1 - FRAME**

**FIGURE 1-8. TIRE AND WHEEL ASSEMBLY (EXMILE)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
15	1001219582	Ref Ref 4	TIRE AND WHEEL ASSEMBLY (EXMILE) NOTE: MUST REPLACE TIRE AND WHEEL ASSEMBLIES IN PAIRS PER AXLE. Tire and Wheel Assembly - Non-Marking	

# SECTION 1 - FRAME

## FIGURE 1-9. POTHOLE PROTECTION INSTALLATION - NON-UL



ART\_1001117265

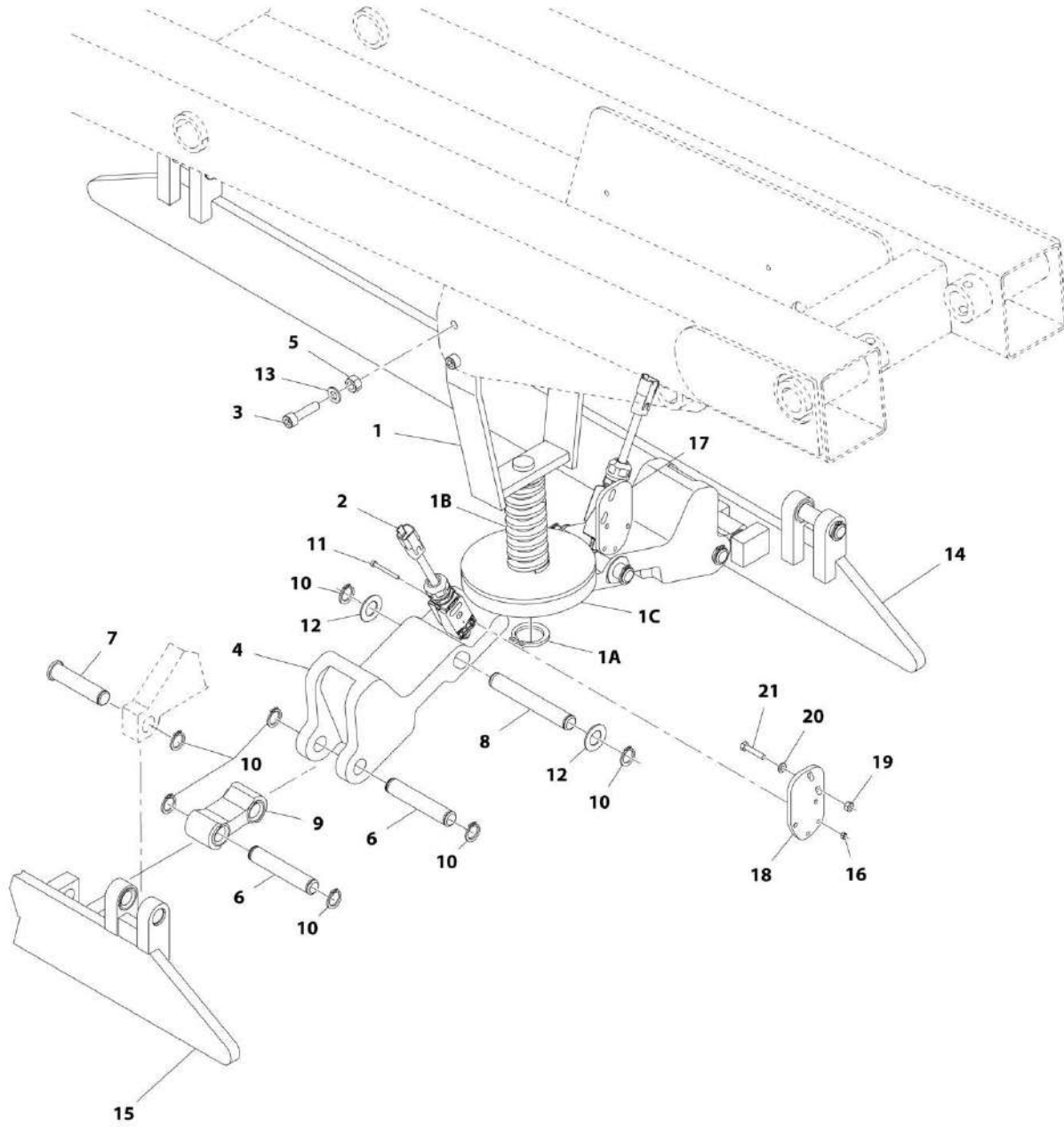
## SECTION 1 - FRAME

**FIGURE 1-9. POTHOLE PROTECTION INSTALLATION - NON-UL**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117265	Ref	POTHOLE PROTECTION INSTALLATION - NON-UL	B
1	0060090	1	Actuator Pothole	F
1A	3760115	1	Ring, Retaining	
1B	4160202	1	Spring	
1C	4220287	1	Pad	
3	3900351	4	Capscrew M10 x 30	
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	4846775	1	Support (RH)	
15	4846861	1	Support (LH)	
16	3290405	4	Nut M4	
17	1001109232	1	Plate, Mounting	
18	1001109233	1	Plate, Mounting	
19	3290605	4	Nut M6	
20	4811700	4	Washer M6	
21	0700614	4	Bolt M6 x 30	
22	1001109088	2	Switch, Limit	

# SECTION 1 - FRAME

## FIGURE 1-10. POTHOLE PROTECTION INSTALLATION - UL



ART\_1001126898

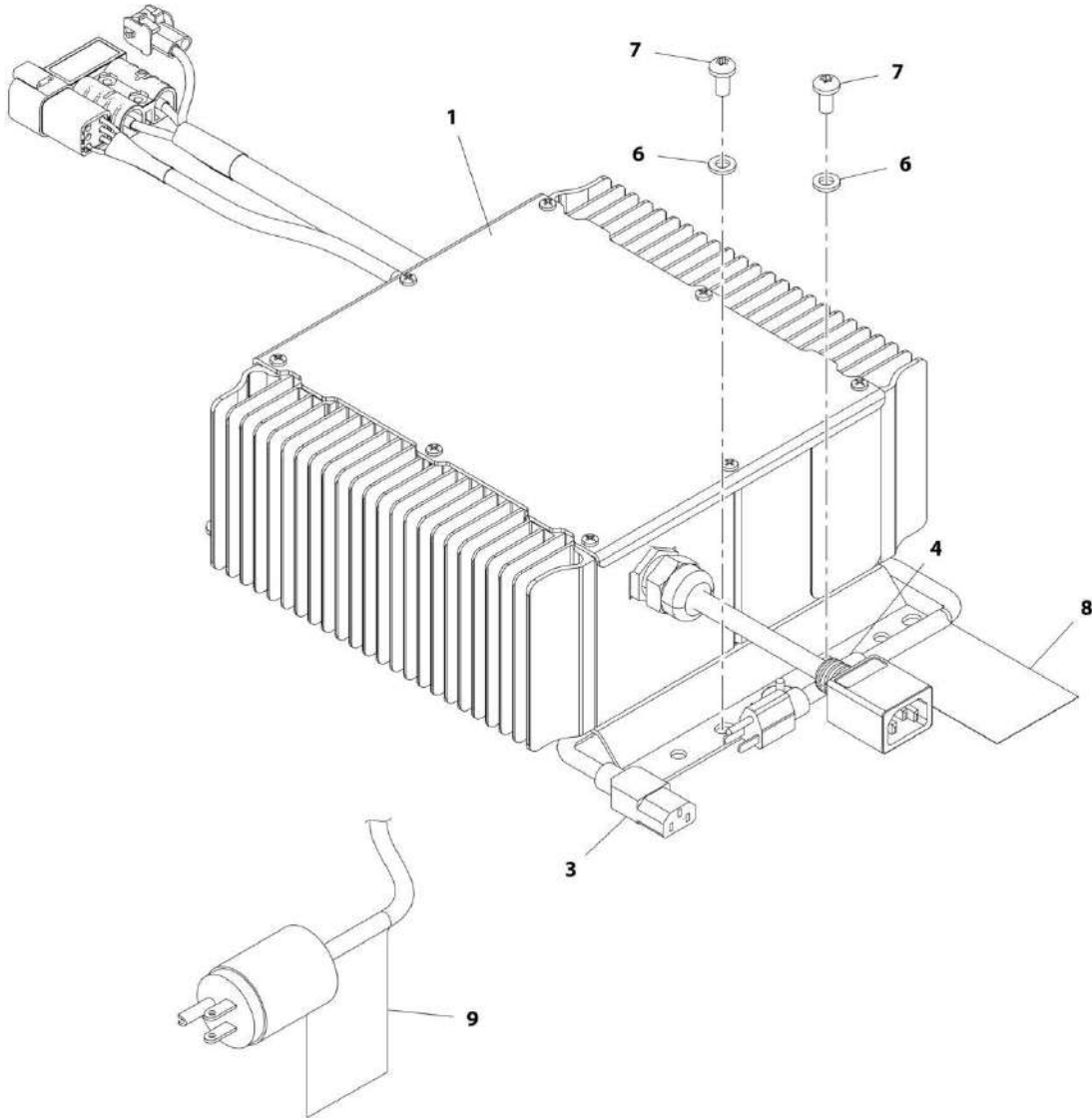
## SECTION 1 - FRAME

### FIGURE 1-10. POTHOLE PROTECTION INSTALLATION - UL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001126898	Ref	POTHOLE PROTECTION INSTALLATION - UL	B
1	0060090	1	Actuator Pothole	F
1A	3760115	1	Ring, Retaining	
1B	4160202	1	Spring	
1C	4220287	1	Pad	
2	1001126905	2	Switch, Limit	
2	4460535	2	Receptacle, Female - 4 Position (1 per Switch)	
2	4460464	8	Pin, Male (4 per Switch)	
3	3900351	4	Capscrew M10 x 30	
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	4846775	1	Support (RH)	
15	4846861	1	Support (LH)	
16	3290405	4	Nut M4	
17	1001109232	1	Plate, Mounting	
18	1001109233	1	Plate, Mounting	
19	3290605	4	Nut M6	
20	4811700	4	Washer M6	
21	0700614	4	Bolt M6 x 30	

# SECTION 1 - FRAME

FIGURE 1-11. BATTERY CHARGER INSTALLATION WITH 110V PLUG AND DELTA-Q CHARGER  
(ANSI, ANSI EXPORT, CSA, JAPANESE AND UL SPECS)



ART\_0275079

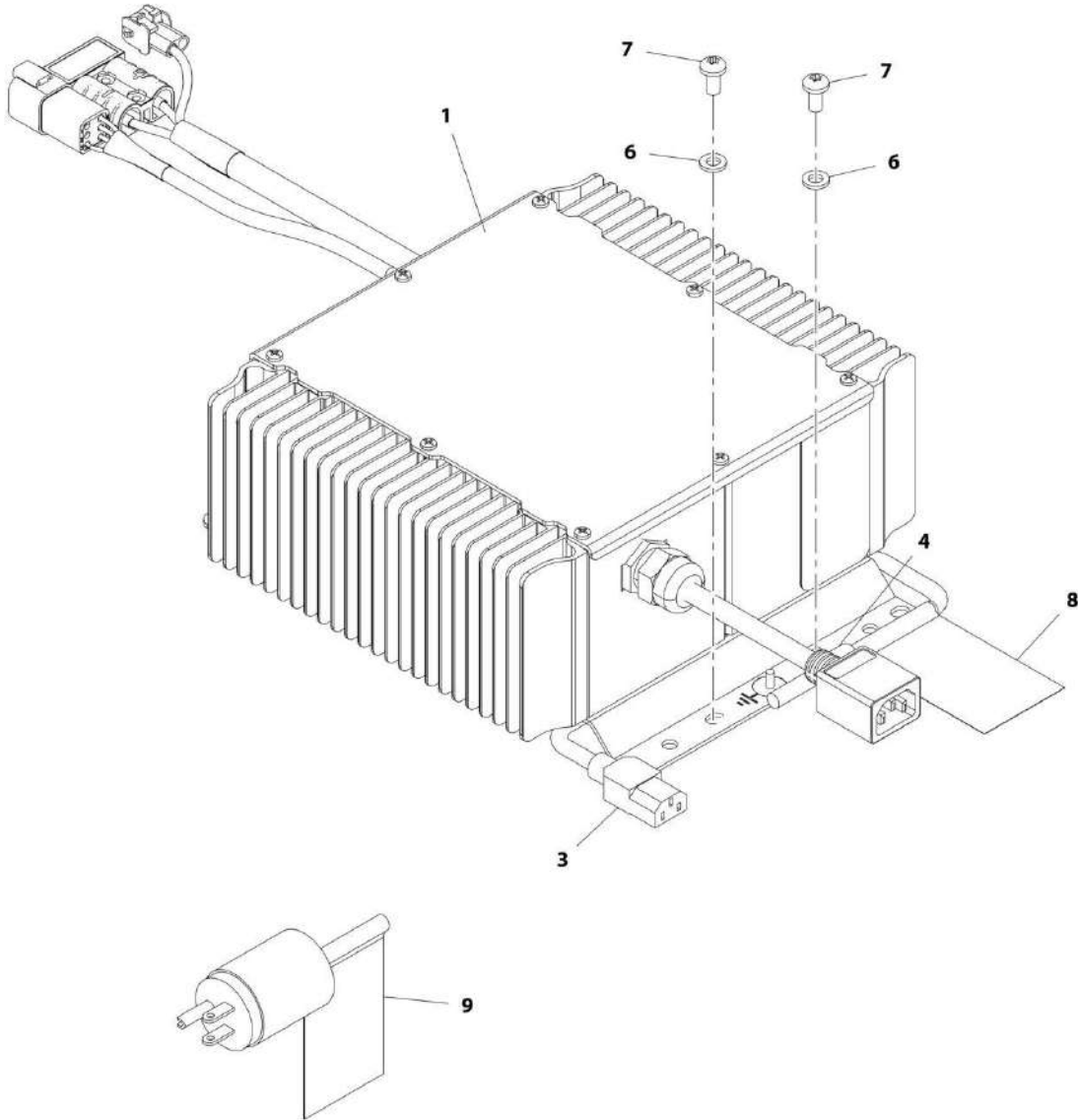
## SECTION 1 - FRAME

**FIGURE 1-11. BATTERY CHARGER INSTALLATION WITH 110V PLUG AND DELTA-Q CHARGER  
(ANSI, ANSI EXPORT, CSA, JAPANESE AND UL SPECS)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275079	Ref	BATTERY CHARGER INSTALLATION WITH 110V PLUG AND DELTA-Q CHARGER (ANSI, ANSI EXPORT, CSA, JAPANESE AND UL SPECS)	G
1	1001112111	1	Battery Charger Assembly - DELTA-Q (See BATTERY CHARGER ASSEMBLY for Breakdown) (ANSI, ANSI EXPORT, CSA, JAPANESE AND UL SPECS)	
3	1001103257	1	Cable, Charger (AC INPUT)	
4	1321293	1	Clamp	
6	4811700	2	Washer M6	
7	4191706	2	Screw M6 x 12	
8	1001102489	1	Decal - Charger Label (SN 0200239382 through 0200257823, SN B200020297 to Present, SN M200000100 through M200002934)	
8	1001215870	1	Decal - Charger Label (SN 0200257823 to Present, SN M200002935 to Present)	
9	1001102258	1	Decal - AC Label	
10	1001112113	1	Sensor, Temperature (Not Shown - Located on Negative Battery Terminal) (SN 0200266434 to Present, SN B200045248 to Present, SN M200014366 to Present)	

# SECTION 1 - FRAME

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



ART\_0275088



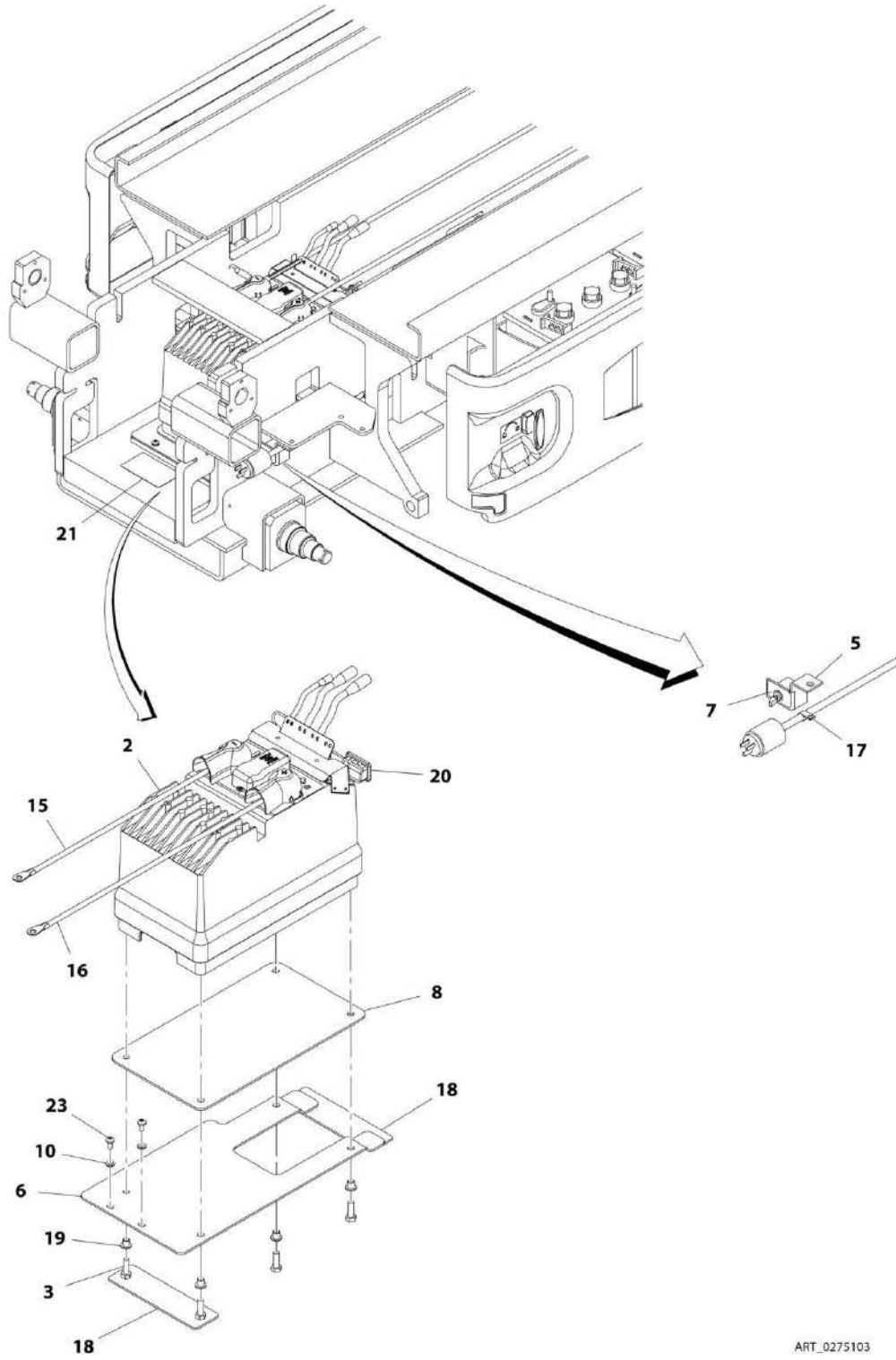
## SECTION 1 - FRAME

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275088	Ref	BATTERY CHARGER INSTALLATION WITH DELTA-Q CHARGER (ANSI, ANSI EXPORT, CSA AND CE SPECS)	H
1	1001112111	1	Battery Charger Assembly - DELTA-Q (See BATTERY CHARGER ASSEMBLY for Breakdown) (ANSI, ANSI EXPORT, CSA AND CE SPECS)	
3	1001103258	1	Cable, Charger (AC Input) No Plug	
4	1320136	1	Clamp (USA Built Machines)	
4	1321293	1	Clamp	
6	4811700	2	Washer M6	
7	4191706	2	Screw M6 x 12	
8	1001102489	1	Decal - Charger Label (SN 0200239382 through 0200257822, SN B200020297 to Present, SN M200000100 through M200002934)	
8	1001215870	1	Decal - Charger Label (SN 0200257823 to Present, SN 1200025021 to Present, SN M200002935 to Present)	
9	1001102258	1	Decal - AC Label	
10	1001112113	1	Sensor, Temperature (Not Shown - Located on Negative Battery Terminal) (SN 0200266434 to Present, SN 1200026477 to Present, SN B200045248 to Present, SN M200014366 to Present)	

# SECTION 1 - FRAME

FIGURE 1-13. CHARGER (INVERTER) INSTALLATION (ANSI, ANSI EXPORT AND CSA SPECS)



ART\_0275103

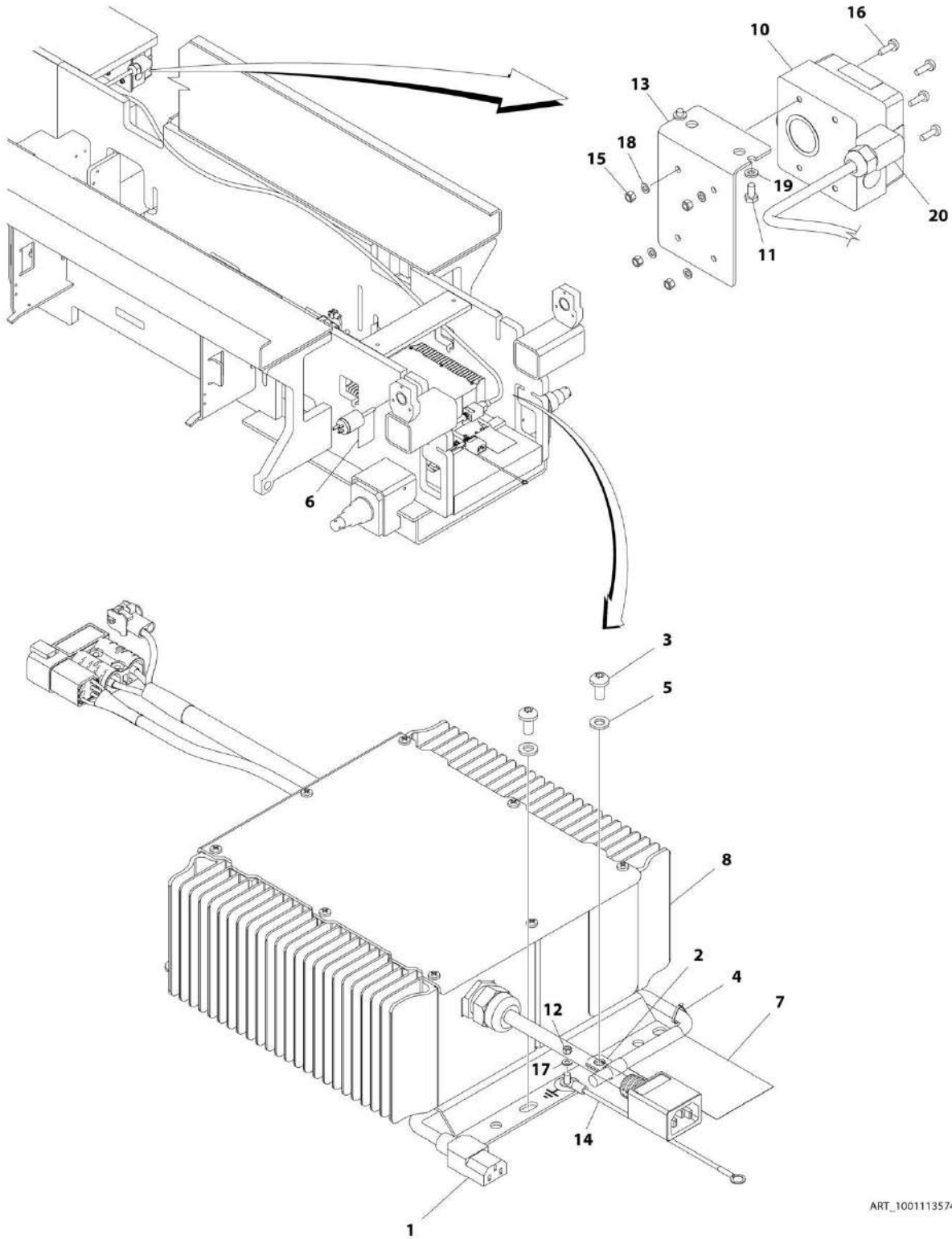
## SECTION 1 - FRAME

**FIGURE 1-13. CHARGER (INVERTER) INSTALLATION (ANSI, ANSI EXPORT AND CSA SPECS)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275103	Ref	CHARGER (INVERTER) INSTALLATION (ANSI, ANSI EXPORT, CSA SPECS)	G
1	0100011	AR	Compound, Locking	
2	1001093839	1	Charger, Inverter	
3	0760812	4	Screw M8 x 25	
5	0902780	1	Bracket, Remote Switch	
6	0903444	1	Bracket, Inverter Mounting	
7	1705052	1	Decal - Inverter On-Off	
8	2820239	1	Insulation	
10	4811700	2	Washer M6	
12	1001091479	1	Harness, AC Input (Not Shown)	
13	4923390	1	Harness, AC Output (Not Shown)	
14	4923391	1	Harness Data Interface (Not Shown)	
15	4923392	1	Cable, Inverter Positive	
16	4923393	1	Cable, Inverter Negative	
17	1320043	1	Clamp	
18	2820240	2	Insulation	
19	4740562	4	Washer Special	
20	1671266	1	Cover	
21	1706749	1	Decal - Inverter	
23	4191706	2	Screw M6 x 12	

# SECTION 1 - FRAME

FIGURE 1-14. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG (AUSTRALIAN SPEC)



ART\_1001113574

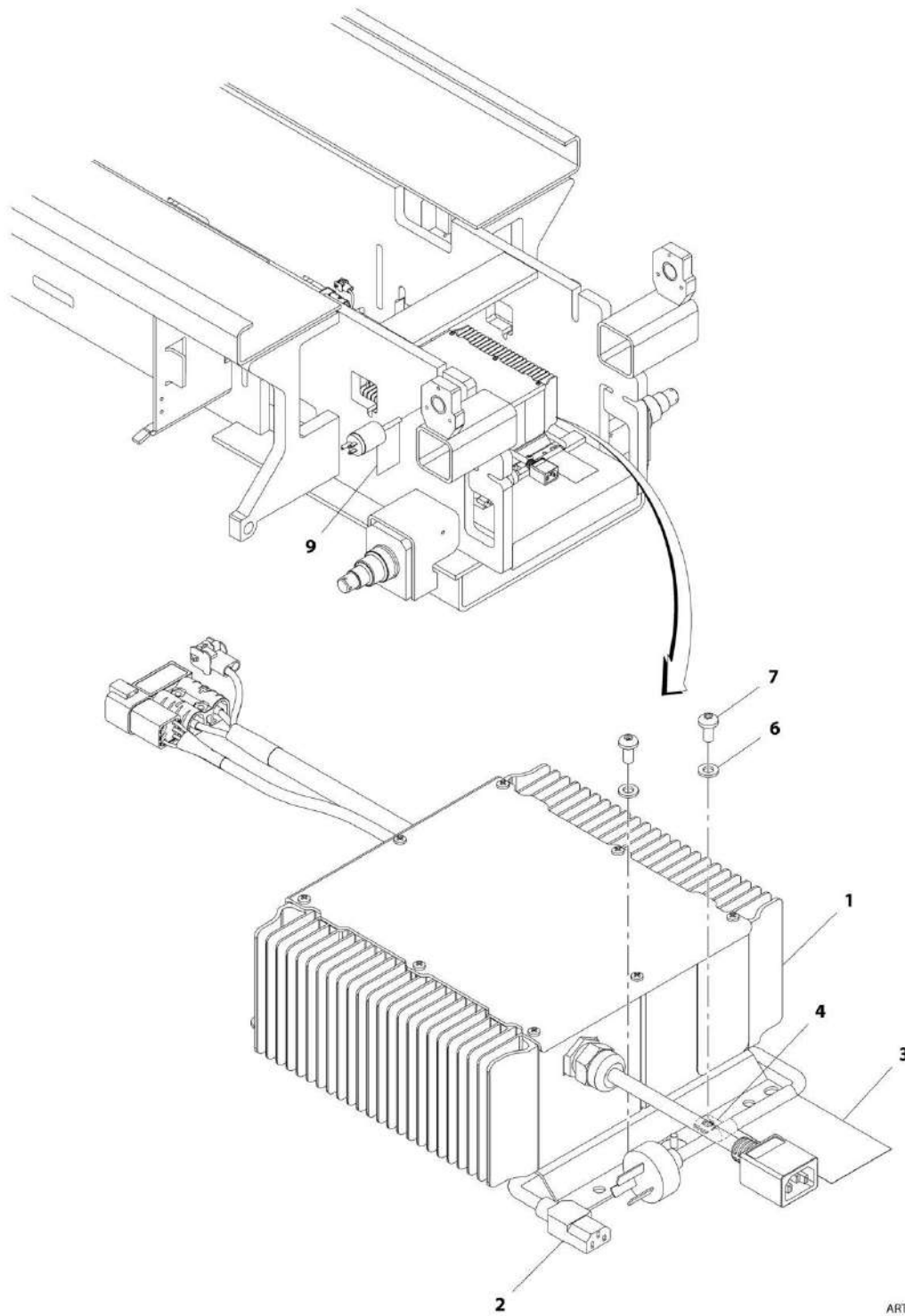
## SECTION 1 - FRAME

**FIGURE 1-14. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG (AUSTRALIAN SPEC)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001113574	Ref	BATTERY CHARGER INSTALLATION LOCALLY SUPPLIED (AUSTRALIAN SPEC)	G
1	1060689	1	Cable, AC Cord	
2	1320136	1	Clamp (USA Built Machines)	
2	1321293	1	Clamp	
3	4191706	2	Screw M6 x 12	
4	4240033	2	Tie-Strap	
5	4811700	2	Washer M6	
6	1001102258	1	Decal - AC to Platform	
7	1001102489	1	Decal - Charger Plug (SN 0200239382 through 0200257822, SN B200020297 through B200037245, SN M200000100 through M200002934)	
7	1001215870	1	Decal - Charger Plug (SN 0200257823 to Present, SN B200037246 to Present, SN M200002935 to Present)	
8	1001112111	1	Battery Charger Assembly (See BATTERY CHARGER ASSEMBLY - DELTA-Q for Breakdown)	
9	1001112113	1	Sensor, Temperature (Not Shown - Located on Negative Battery Terminal) (SN 0200266434 to Present, SN B200045248 to Present, SN M200014366 to Present)	
10	1001227267	1	Electric Assembly (SN B200052311 to Present, SN M200022327 to Present)	
11	0760606	2	Bolt M6 x 12	
12	3290405	1	Nut M4	
13	1001227213	1	Bracket (SN B200052311 to Present, SN M200022327 to Present)	
14	1001227219	1	Earth/Ground Harness (SN B200052311 to Present, SN M200022327 to Present)	
15	3290505	4	Nut M5	
16	3900381	4	Screw M5 x 16	
17	4811400	1	Washer M4	
18	4831600	4	Washer M5	
19	4841700	2	Washer M6	
20	1001103471	1	Connector, Strain Relief (SN B200052311 to Present, SN M200022327 to Present)	

# SECTION 1 - FRAME

FIGURE 1-15. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG (CHINESE SPEC)



ART\_1001172007

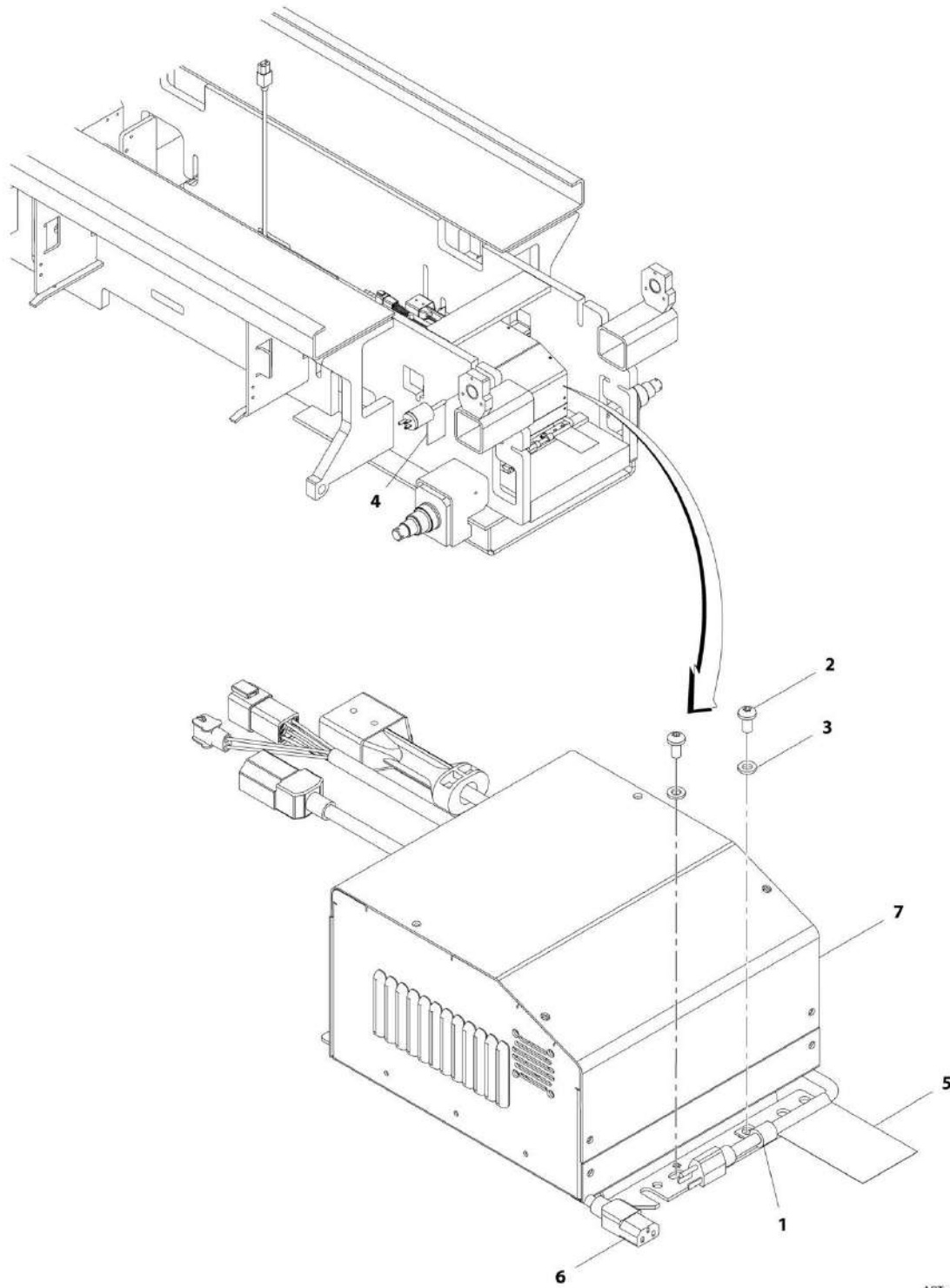
## SECTION 1 - FRAME

**FIGURE 1-15. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG (CHINESE SPEC)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172007	Ref	BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG (CHINESE SPEC)	D
1	1001112111	1	Battery Charger Assembly (See BATTERY CHARGER ASSEMBLY - DELTA-Q for Breakdown)	
2	1001172010	1	Cable, Charger (AC Input)	
3	1001102489	1	Decal - Charger Plug (SN 0200239382 through 0200257822, SN B200020297 to Present, SN M200000100 through M200002934)	
3	1001215870	1	Decal - Charger Plug (SN 0200257823 to Present, SN M200002935 to Present)	
4	1321293	1	Clamp	
6	4811700	2	Washer M6	
7	4191706	2	Screw M6 x 12	
9	1001102258	1	Decal - AC to Platform	

# SECTION 1 - FRAME

FIGURE 1-16. BATTERY CHARGER INSTALLATION - EAGLE PERFORMANCE (ANSI AND CSA SPEC)



ART\_1001179427



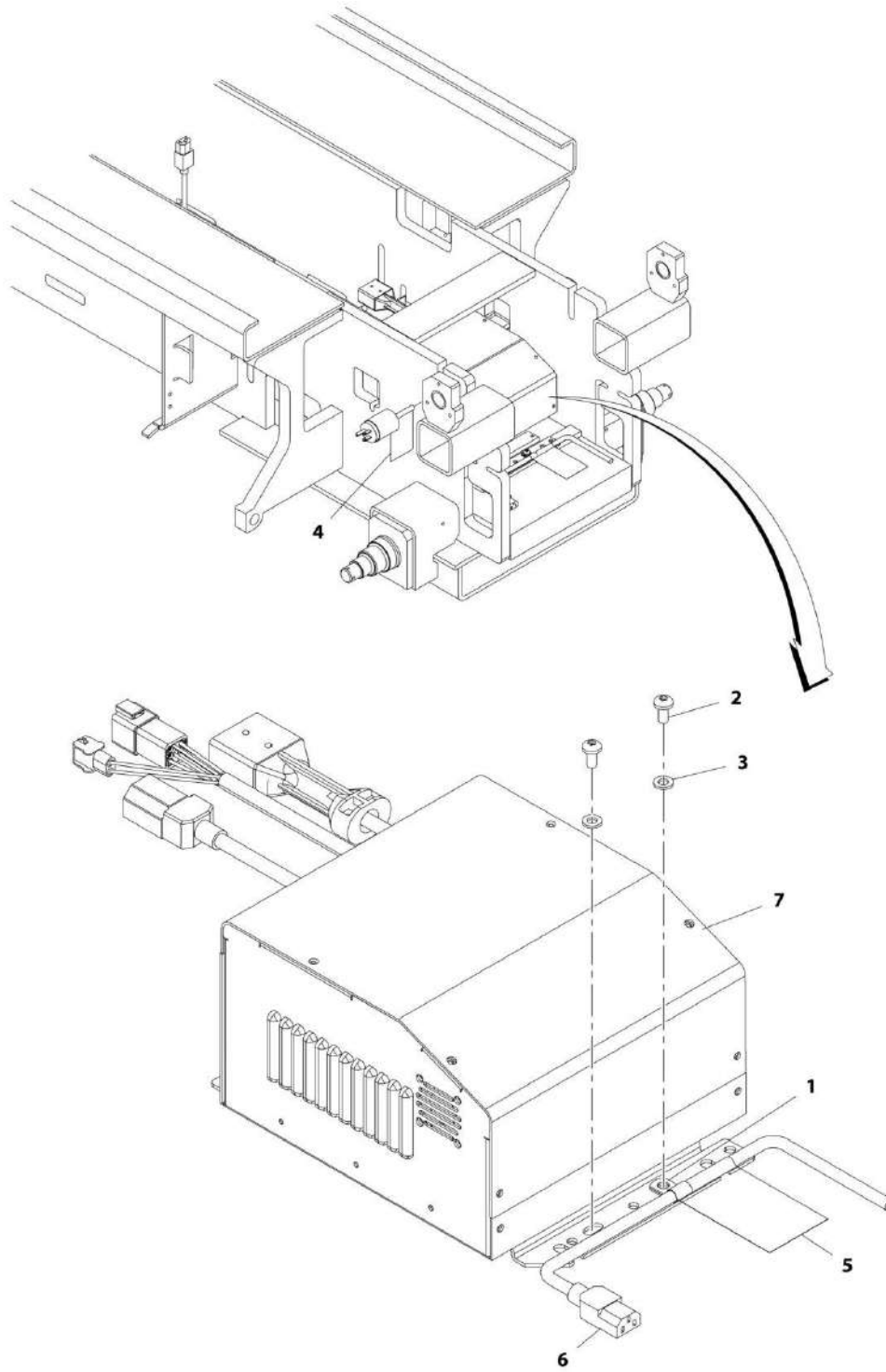
**SECTION 1 - FRAME**

**FIGURE 1-16. BATTERY CHARGER INSTALLATION - EAGLE PERFORMANCE (ANSI AND CSA SPEC)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179427	Ref	BATTERY CHARGER INSTALLATION - EAGLE PERFORMANCE (ANSI AND CSA SPEC)	A
1	1321293	1	Clamp	
2	4191706	2	Screw M6 x 12	
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 BATTERY CHARGER ASSEMBLY - EAGLE PERFORMANCE for Breakdown)	

# SECTION 1 - FRAME

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



ART\_1001180313

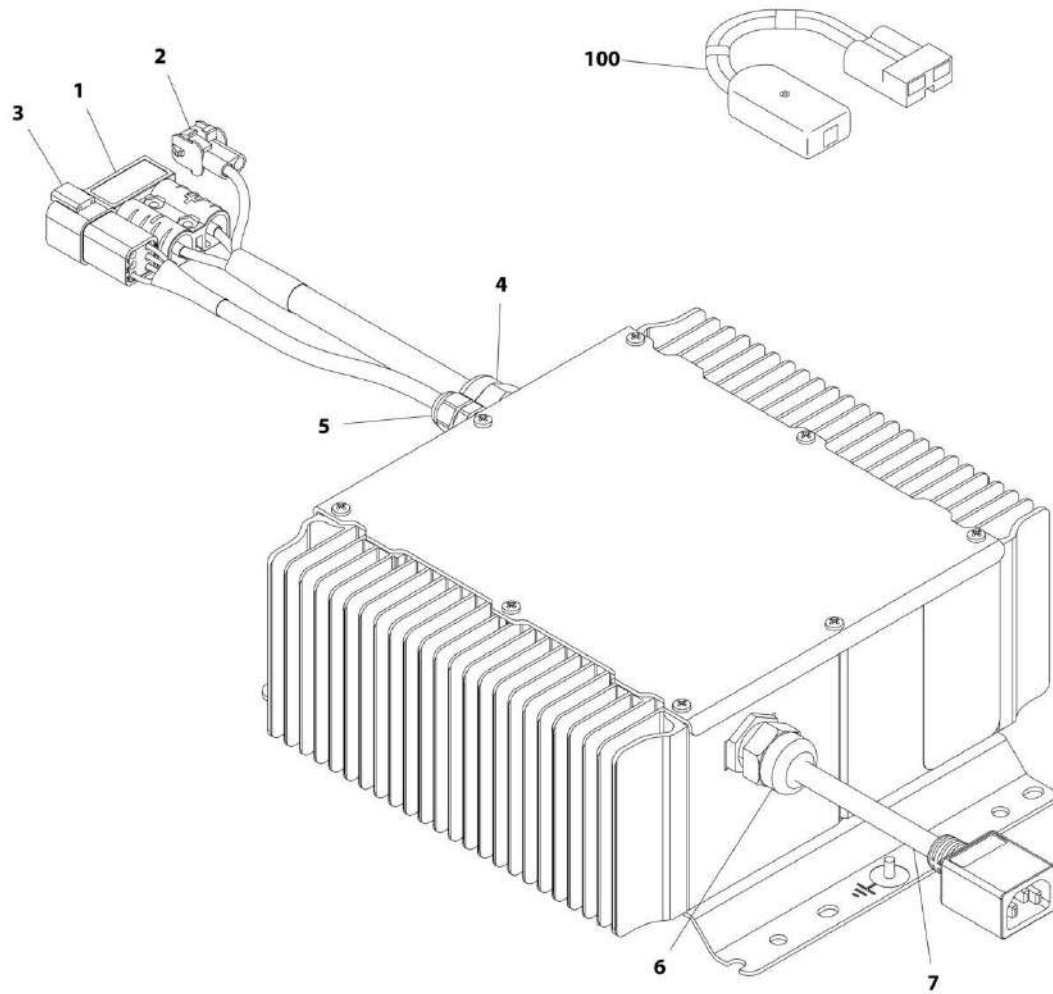
**SECTION 1 - FRAME**

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180313	Ref	BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG - EAGLE PERFORMANCE (ANSI AND CSA SPEC)	A
1	1320136	1	Clamp	
2	4191706	2	Screw M6 x 12	
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 BATTERY CHARGER ASSEMBLY - EAGLE PERFORMANCE for Breakdown)	

# SECTION 1 - FRAME

## FIGURE 1-18. BATTERY CHARGER ASSEMBLY - DELTA-Q



ART\_100112111

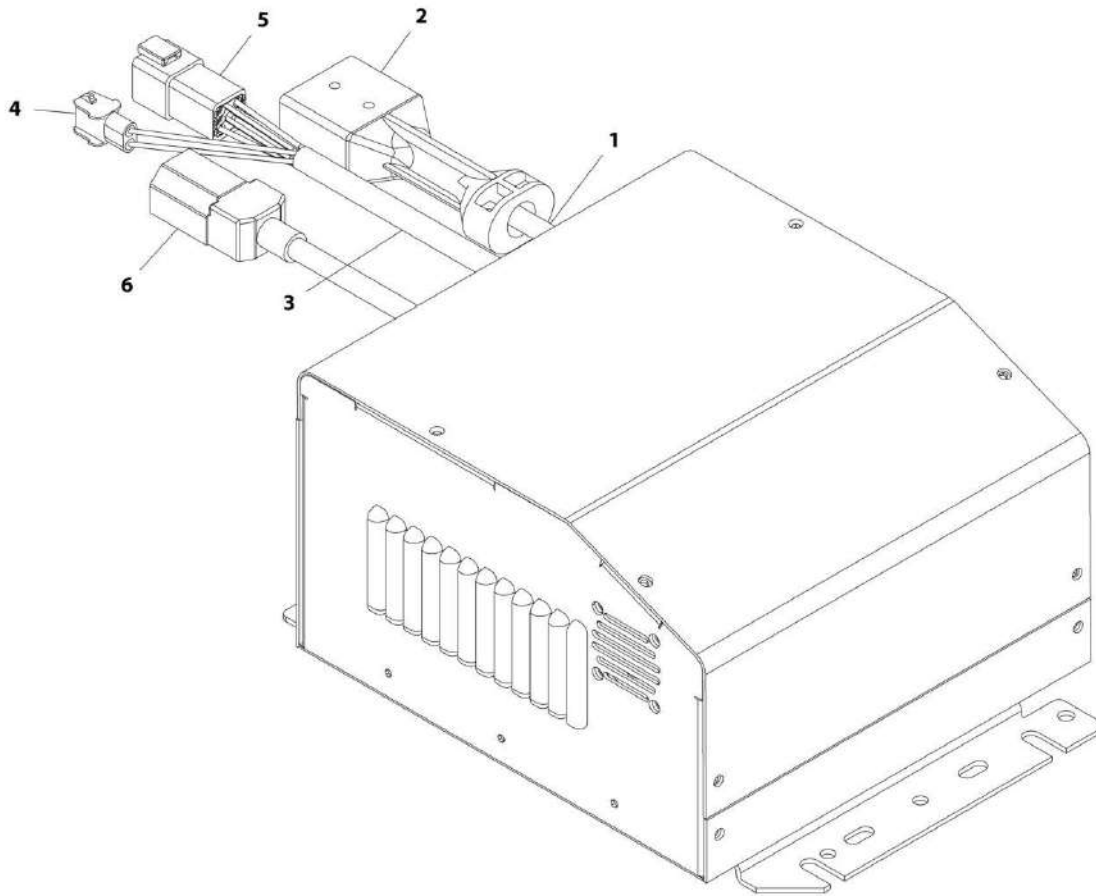
## SECTION 1 - FRAME

**FIGURE 1-18. BATTERY CHARGER ASSEMBLY - DELTA-Q**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001112111	Ref	BATTERY CHARGER ASSEMBLY - DELTA-Q	K
1	Not Available	1	Harness with Plug	
1	4460648	1	Plug, Anderson Battery Code	
2	Not Available	1	Harness with Connector	
2	4460424	1	Connector, Female - 2 Position	
2	4460227	2	Pin, Male	
3	Not Available	1	Harness with Connector	
3	4460899	1	Connector, Female - 6 Position	
3	4460464	6	Pin, Male	
4	Not Available	1	Connector, Strain Relief	
5	Not Available	1	Connector, Strain Relief	
6	Not Available	1	Connector, Strain Relief	
7	Not Available	1	Harness with Connector	
100	2915230	1	BATTERY CHARGER REPROGRAM CONTROLLER KIT (Includes Controller, Software and instructions)	

# SECTION 1 - FRAME

FIGURE 1-19. BATTERY CHARGER ASSEMBLY EAGLE PERFORMANCE



ART\_1001177842

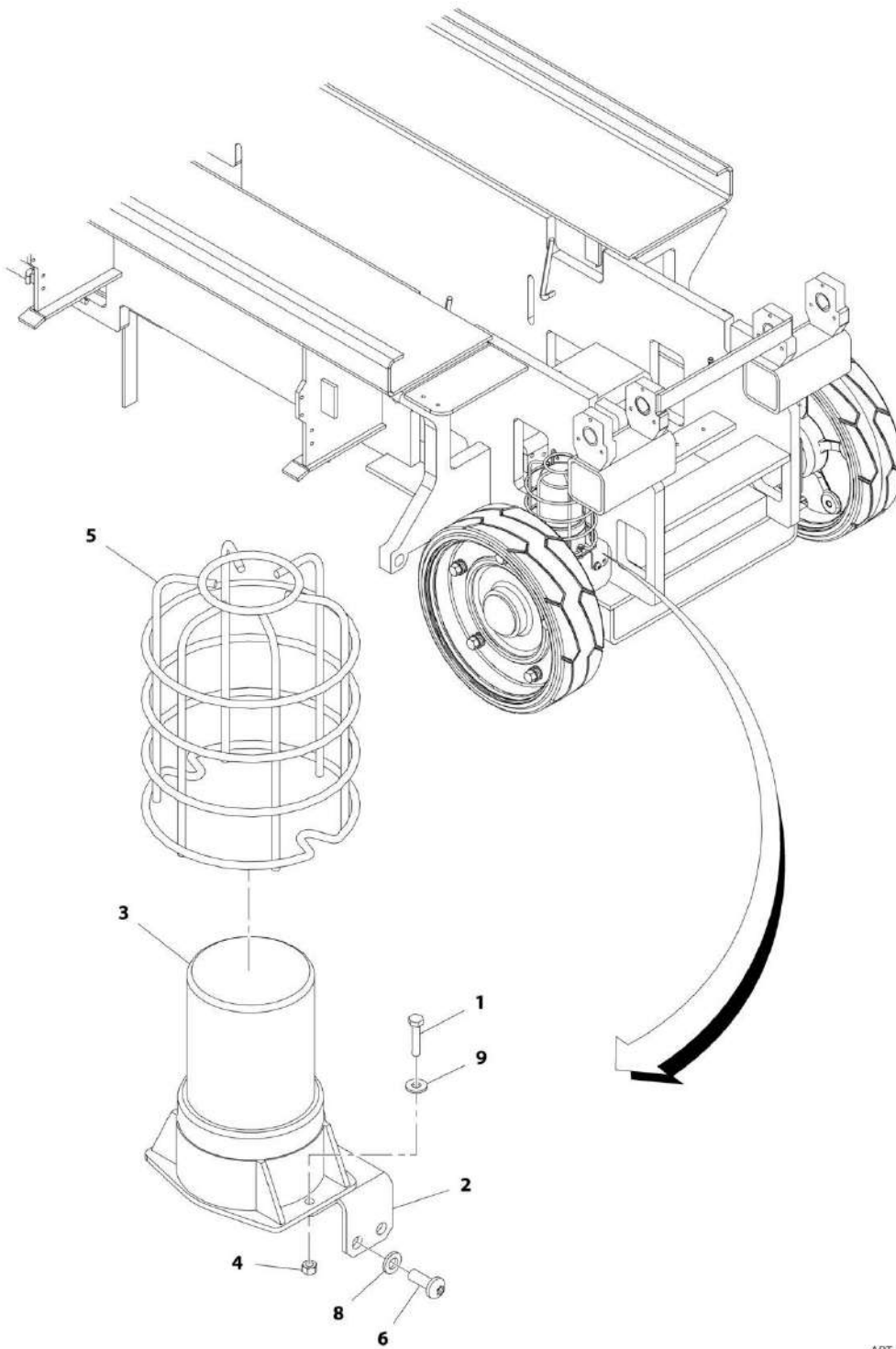
## SECTION 1 - FRAME

**FIGURE 1-19. 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	

# SECTION 1 - FRAME

## FIGURE 1-20. BEACON (AMBER) LIGHT INSTALLATION (OPTIONAL)



ART\_0272309



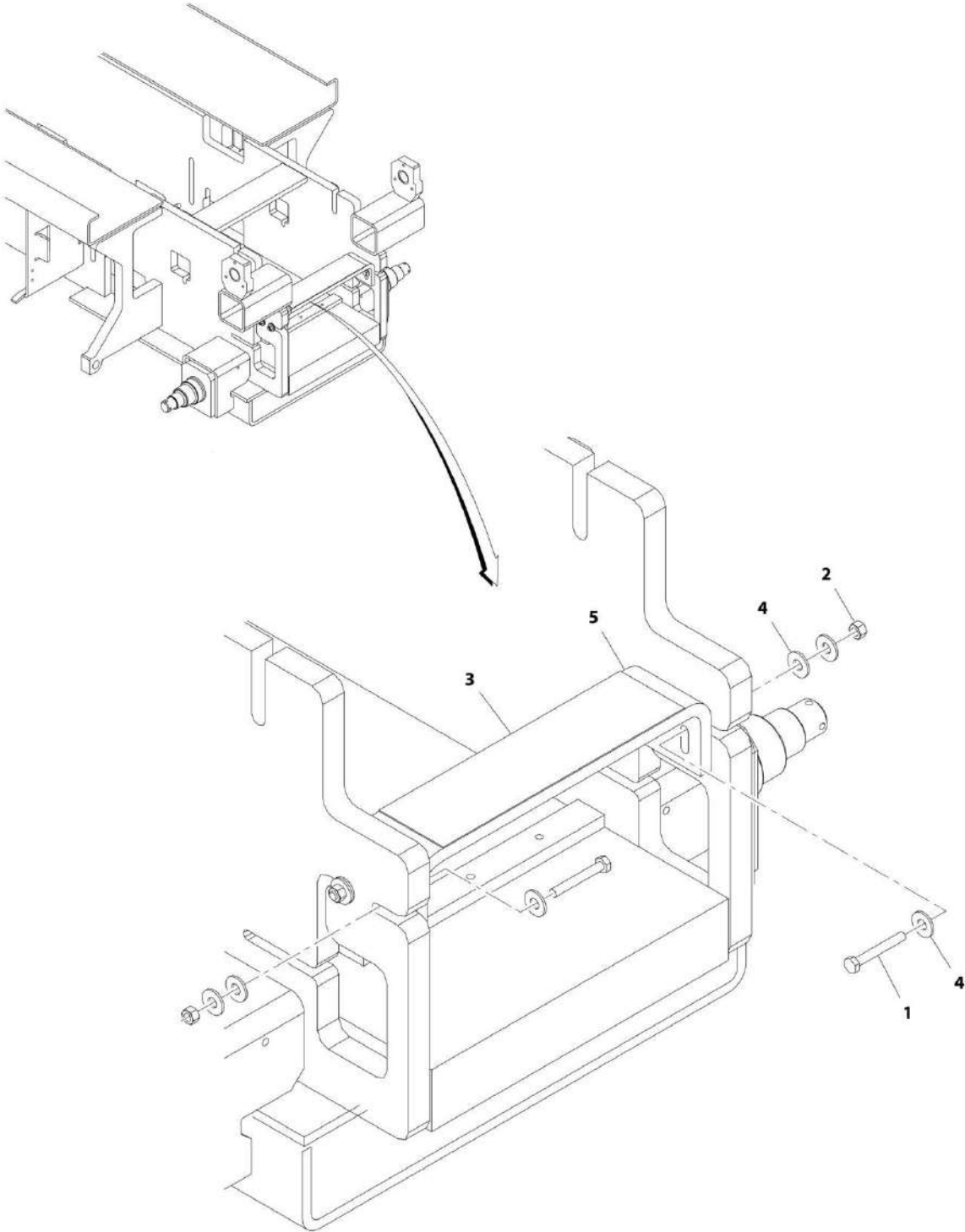
**SECTION 1 - FRAME**

**FIGURE 1-20. BEACON (AMBER) LIGHT INSTALLATION (OPTIONAL)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272309	Ref	BEACON (AMBER) LIGHT INSTALLATION (OPTIONAL)	E
		Ref	Note: See SPECIAL OPTIONS SECTION for Machines with 2 Beacon Lights.	
1	0760410	2	Screw M4 x 20	
2	0902905	1	Bracket	
3	2920161	1	Light, Beacon	
4	3290405	2	Nut M4	
5	4060865	1	Guard	
6	4191707	2	Screw M6 x 16	
8	4811700	2	Washer M6	
9	4750800	2	Washer #8	

**SECTION 1 - FRAME**

**FIGURE 1-21. LADDER INSTALLATION - 1930ES**



ART\_1001177410

**FIGURE 1-21. LADDER INSTALLATION - 1930ES**

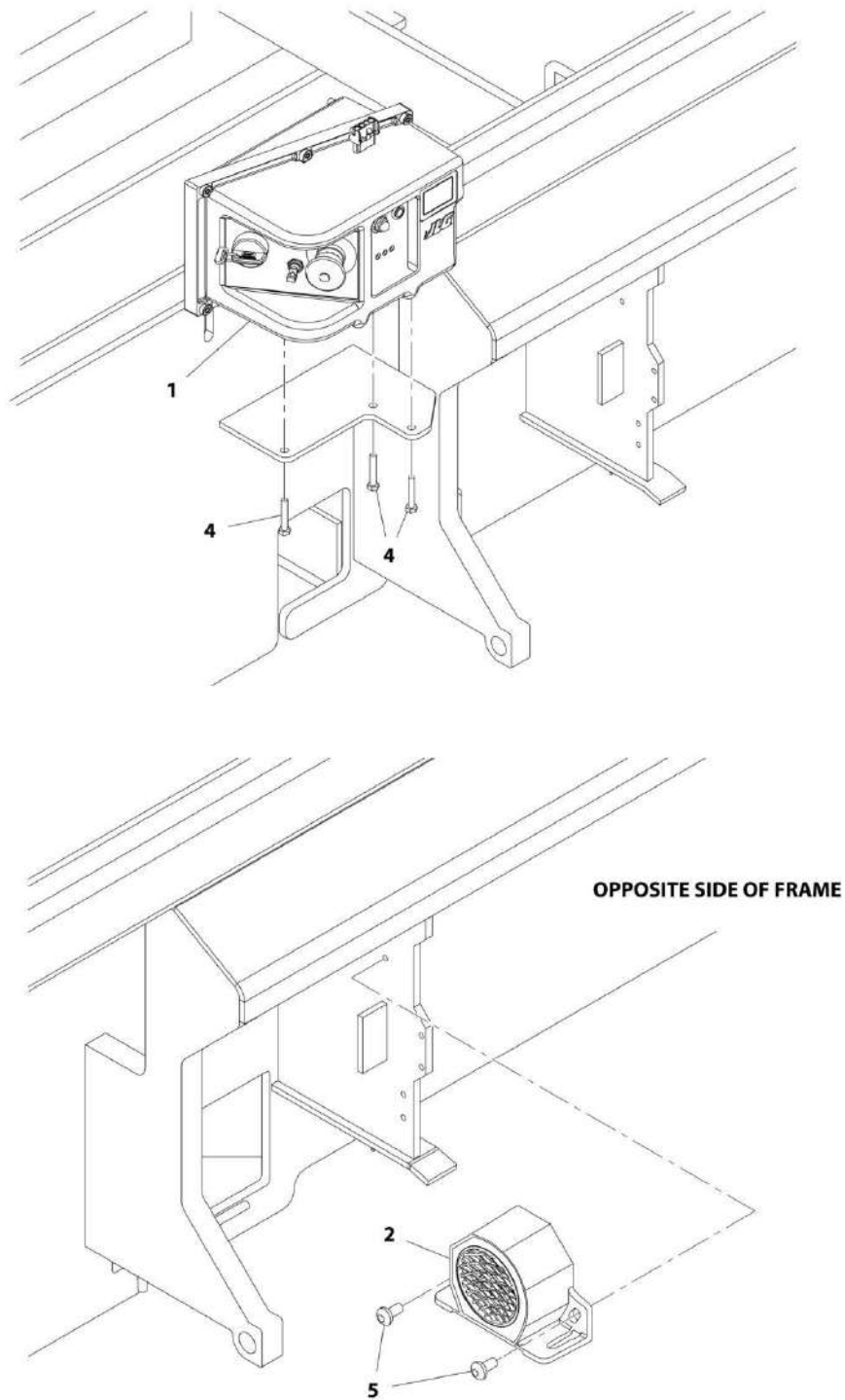
<b>ITEM</b>	<b>PART NUMBER</b>	<b>QTY</b>	<b>DESCRIPTION</b>	<b>REV</b>
	1001177410	Ref	LADDER INSTALLATION - 1930ES	B
1	0700617	4	Bolt M6 x 45	
2	3290607	4	Nut M6	
3	4420080	1	Tape, Anti - Skid	
4	4751400	12	Washer 1/4	
5	1001177418	1	Ladder	



**SECTION 2 - GROUND COMPONENTS**

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-1. GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)



ART\_1001166823

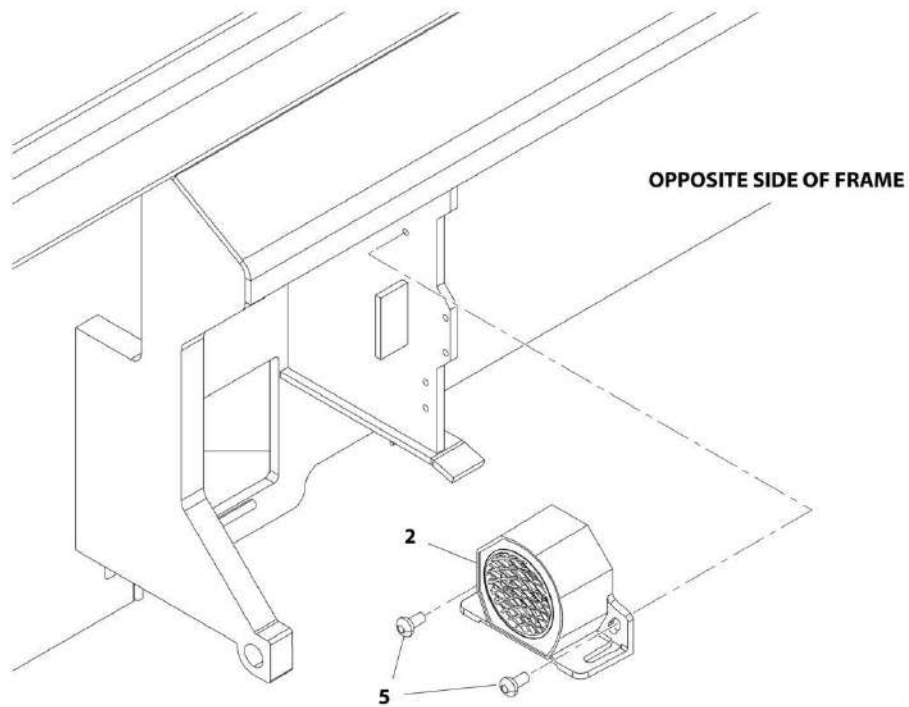
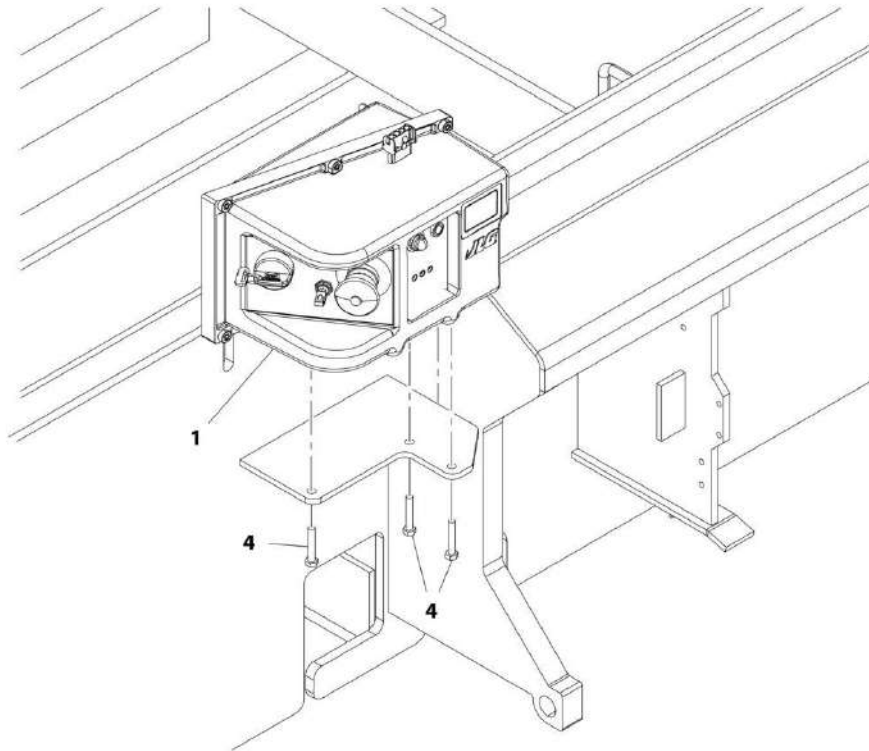
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-1. GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166823	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)	B
		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	1001166194	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY - NO LSS for Breakdown)	
2	0140043	1	Alarm	
2	4460536	1	Receptacle, Female - 3 Position	
2	4460464	3	Pin, Male	
4	0700615	3	Bolt M6 x 35	
5	4191706	2	Screw M6 x 12	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-2. GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN B200020297 through B200023284)



ART\_1001114885



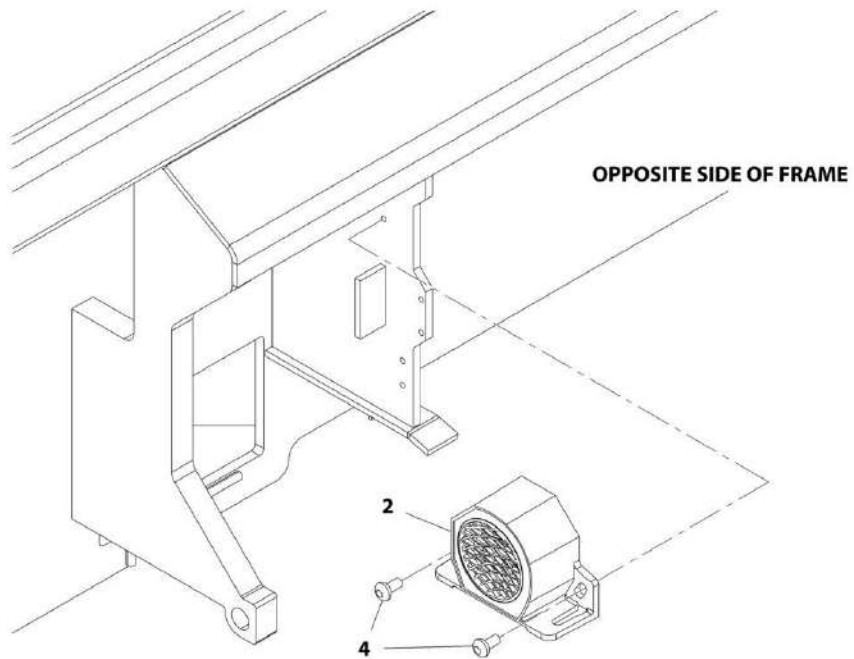
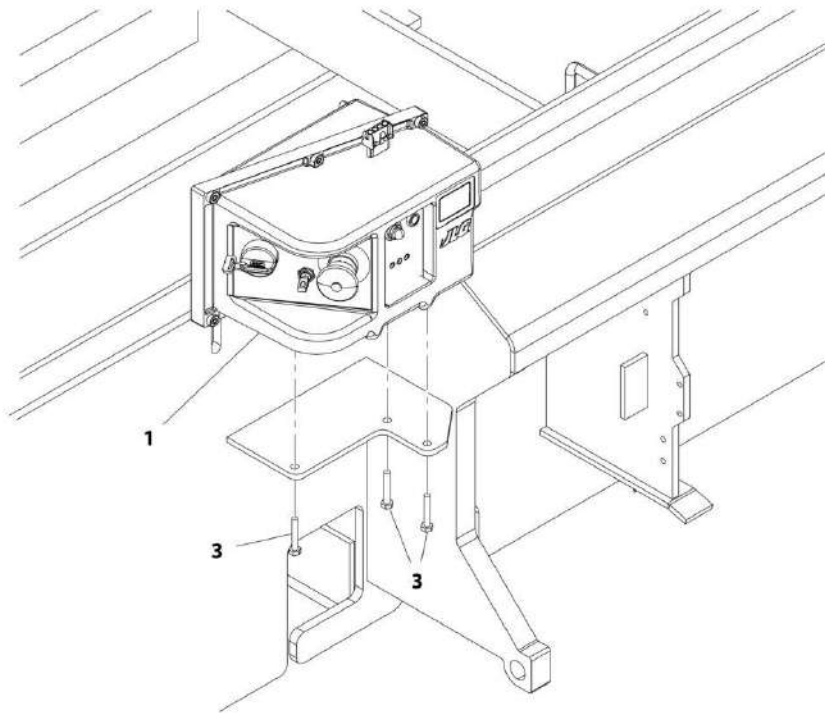
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-2. GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN B200020297 through B200023284)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114885	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN <b>B200020297 through B200023284</b> )  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.	A
		Ref		
1	1001114929	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY - NO LSS for Breakdown)	
2	0140043	1	Alarm	
2	4460536	1	Receptacle, Female - 3 Position	
2	4460464	3	Pin, Male	
4	0700615	3	Bolt M6 x 35	
5	4191706	2	Screw M6 x 12	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-3. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)



ART\_1001166828

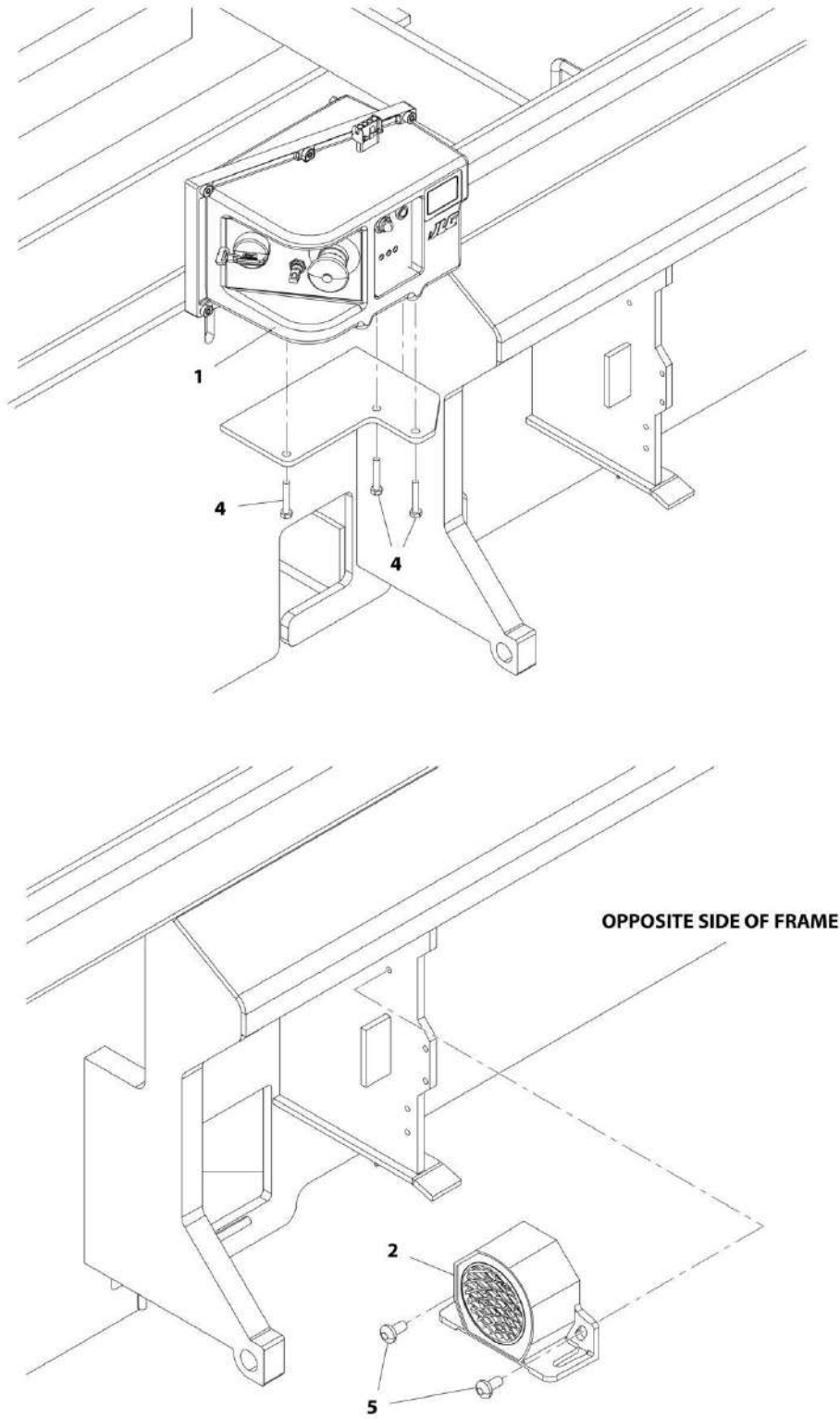
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-3. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166828	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)  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.	B
		Ref		
1	1001166197	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) for Breakdown)	
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 2-4. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN B200020297 through B200023284)



ART\_1001114886

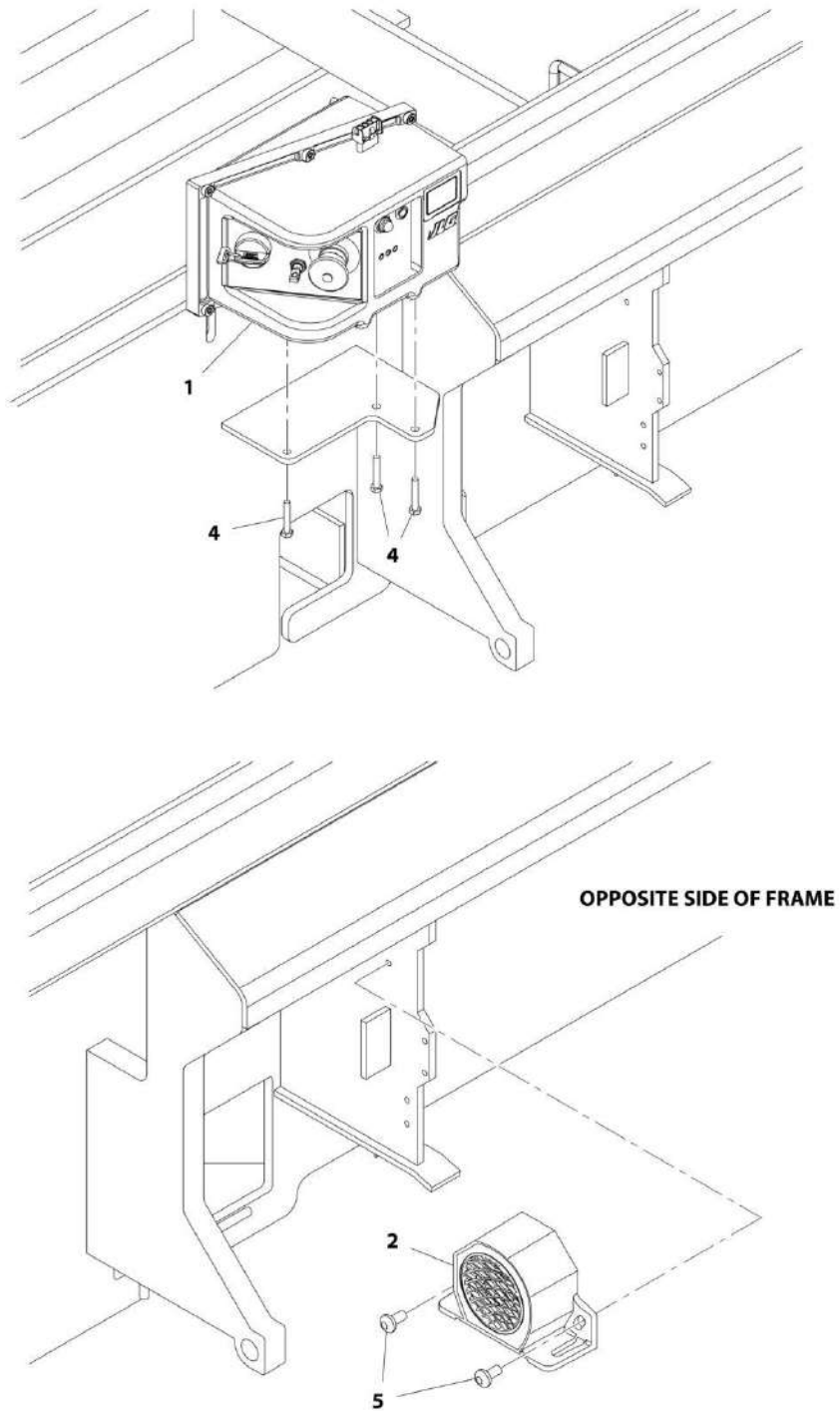
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-4. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN B200020297 through B200023284)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114886	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN B200020297 through B200023284)	A
		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	1001114932	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE) for Breakdown)	
2	0140043	1	Alarm	
2	4460536	1	Receptacle - Female - 3 Position	
2	4460464	3	Pin, Male	
4	0700615	3	Bolt M6 x 35	
5	4191706	2	Screw M6 x 12	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-5. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPEC) (SN 0200239382 through 0200241828)



ART\_100166825

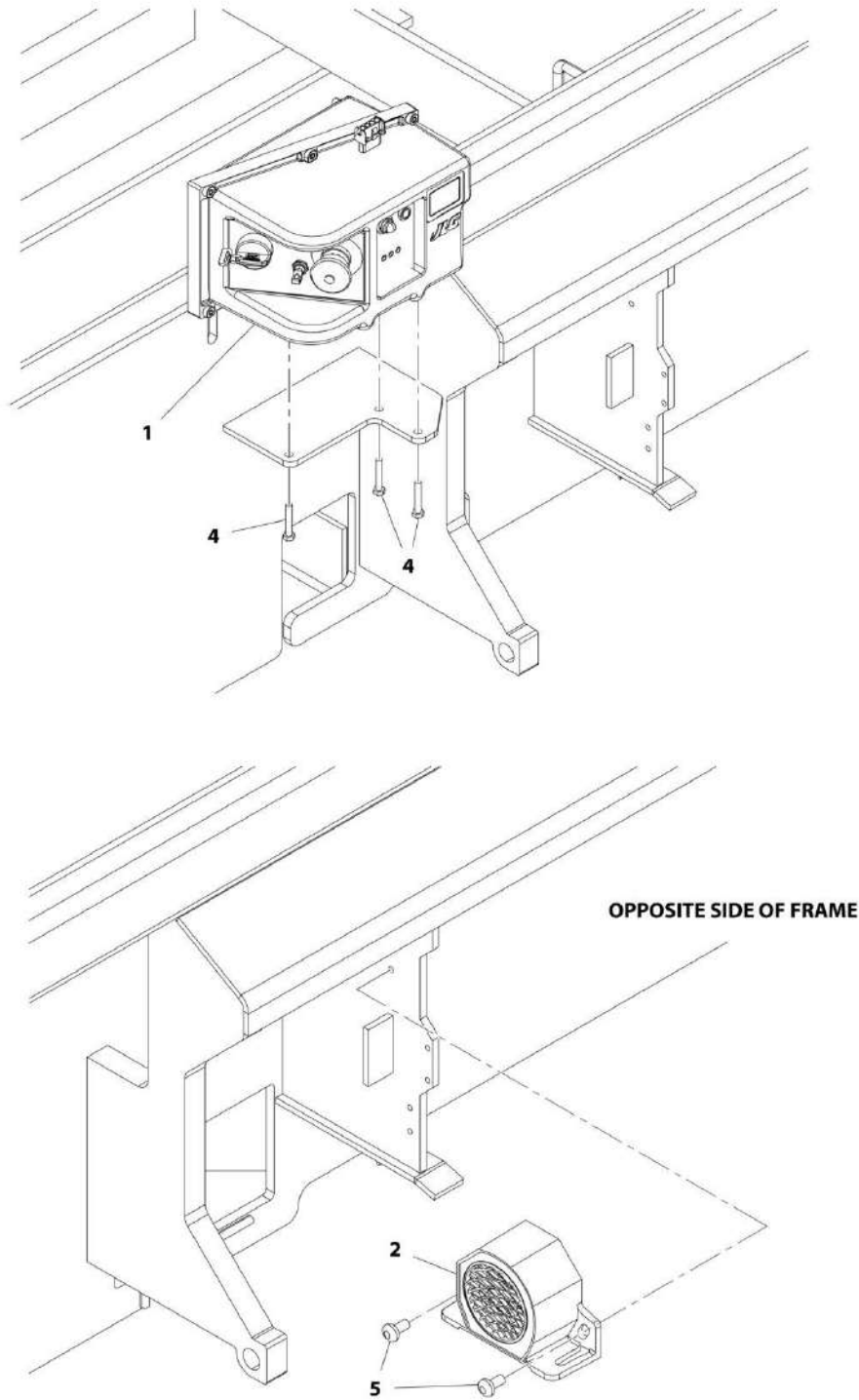
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-5. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPEC) (SN 0200239382 through 0200241828)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166825	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPEC) <b>(SN 0200239382 through 0200241828)</b>	B
		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	1001166195	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY - LSS (CE SPEC) for Breakdown)	
2	0140043	1	Alarm	
2	4460536	1	Receptacle, Female - 3 Position	
2	4460464	3	Pin, Male	
4	0700615	3	Bolt M6 x 35	
5	4191706	2	Screw M6 x 12	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-6. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPEC) (SN B200020297 through B200021650)



ART\_1001114925



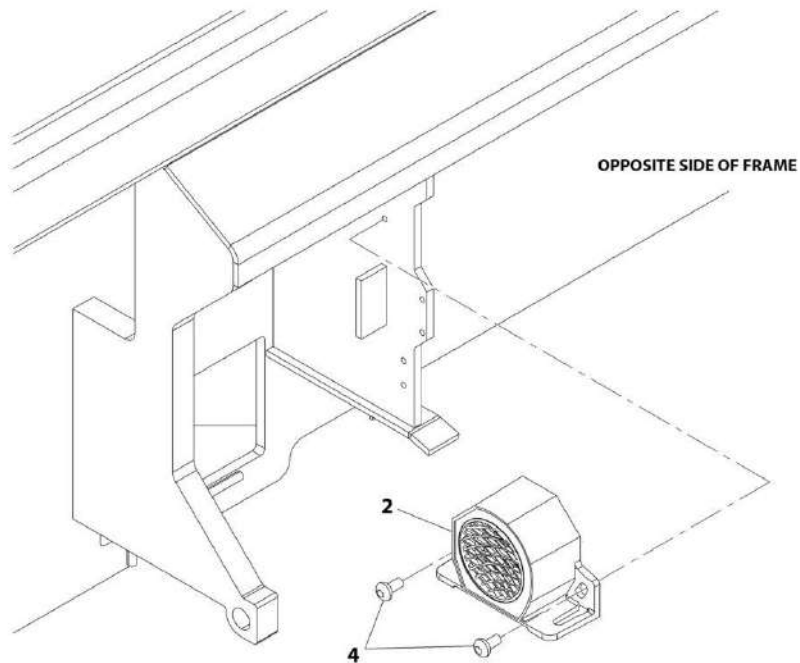
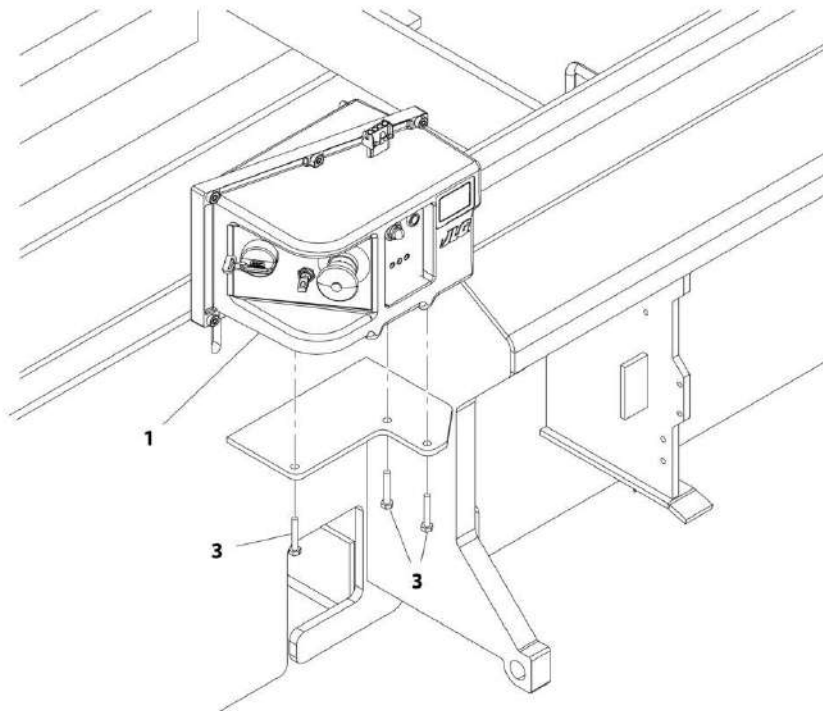
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-6. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPEC) (SN B200020297 through B200021650)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114925	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPEC) <b>(SN B200020297 through B200021650)</b>	A
		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	1001114930	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) for Breakdown)	
2	0140043	1	Alarm	
2	4460536	1	Receptacle, Female - 3 Position	
2	4460464	3	Pin, Male	
4	0700615	3	Bolt M6 x 35	
5	4191706	2	Screw M6 x 12	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-7. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPECS) (SN 0200241829 to Present, SN B200021651 to Present, SN M200000100 to Present)



ART\_1001166828

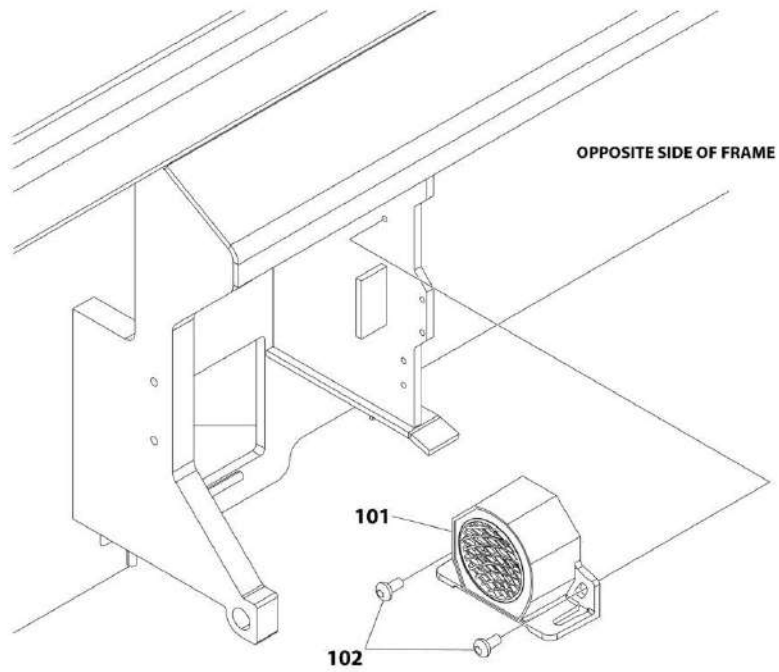
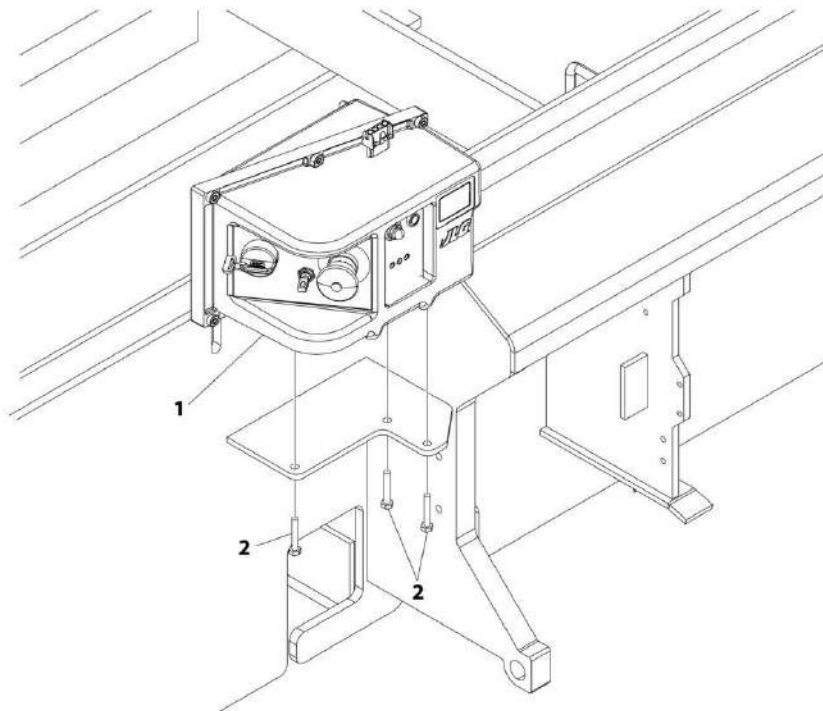
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-7. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPECS) (SN 0200241829 to Present, SN B200021651 to Present, SN M200000100 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166828	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPECS) (SN 0200241829 to Present, SN B200021651 to Present, SN M200000100 to Present)	B
		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 GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) for Breakdown)	
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 2-8. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPECS) (SN 1200025022 to Present)



ART\_1001215247

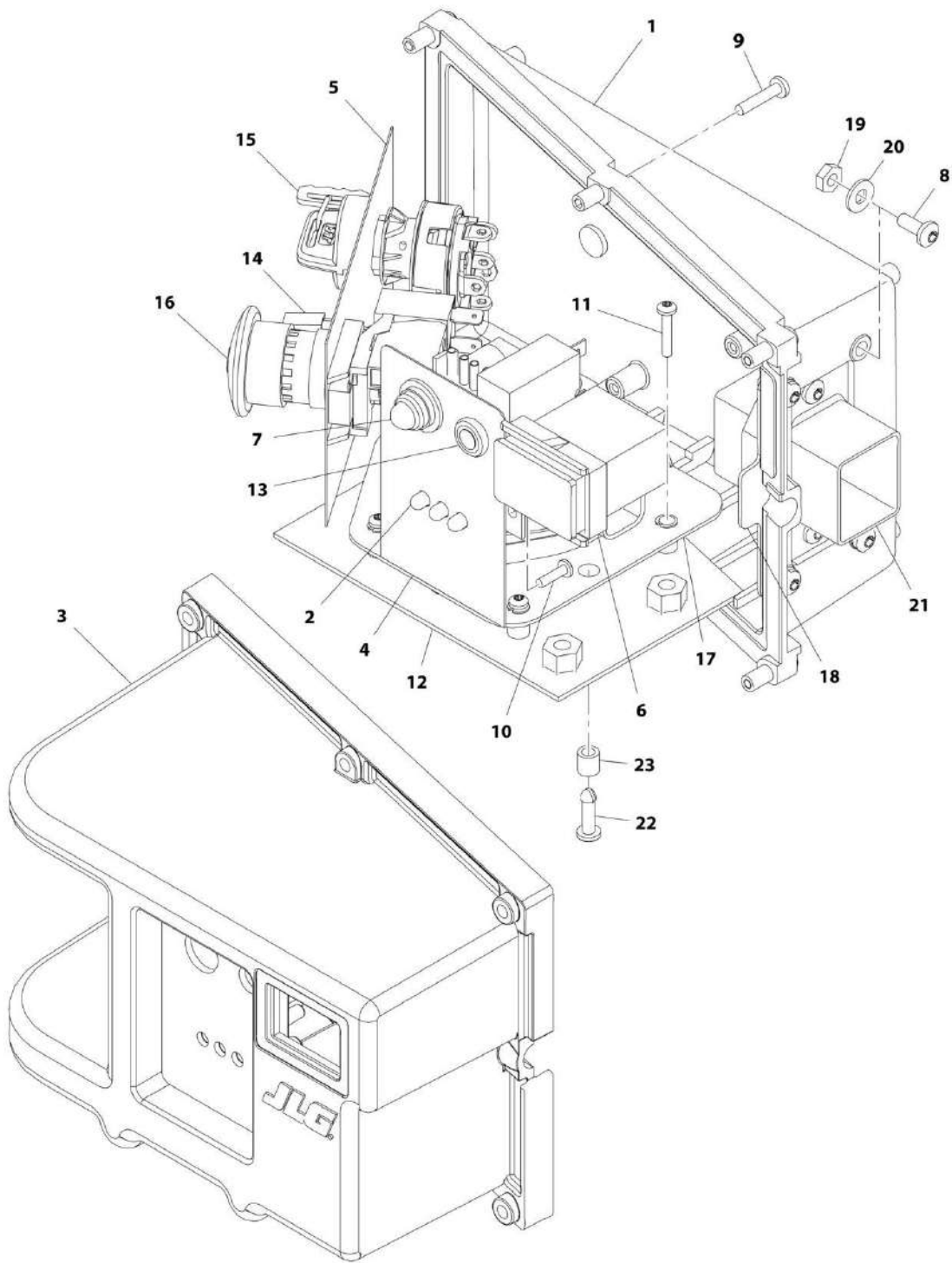
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-8. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPECS) (SN 1200025022 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215247	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPECS) <b>(SN 1200025022 to Present)</b>	A
1	1001166197	1	Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) for Breakdown)	
2	0700615	3	Bolt M6 x 35	
	1001215248	Ref	Alarm Installation <b>(SN 1200025022 to Present)</b>	A
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 2-9. GROUND CONTROL BOX ASSEMBLY - NO LSS (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)



ART\_1001166194

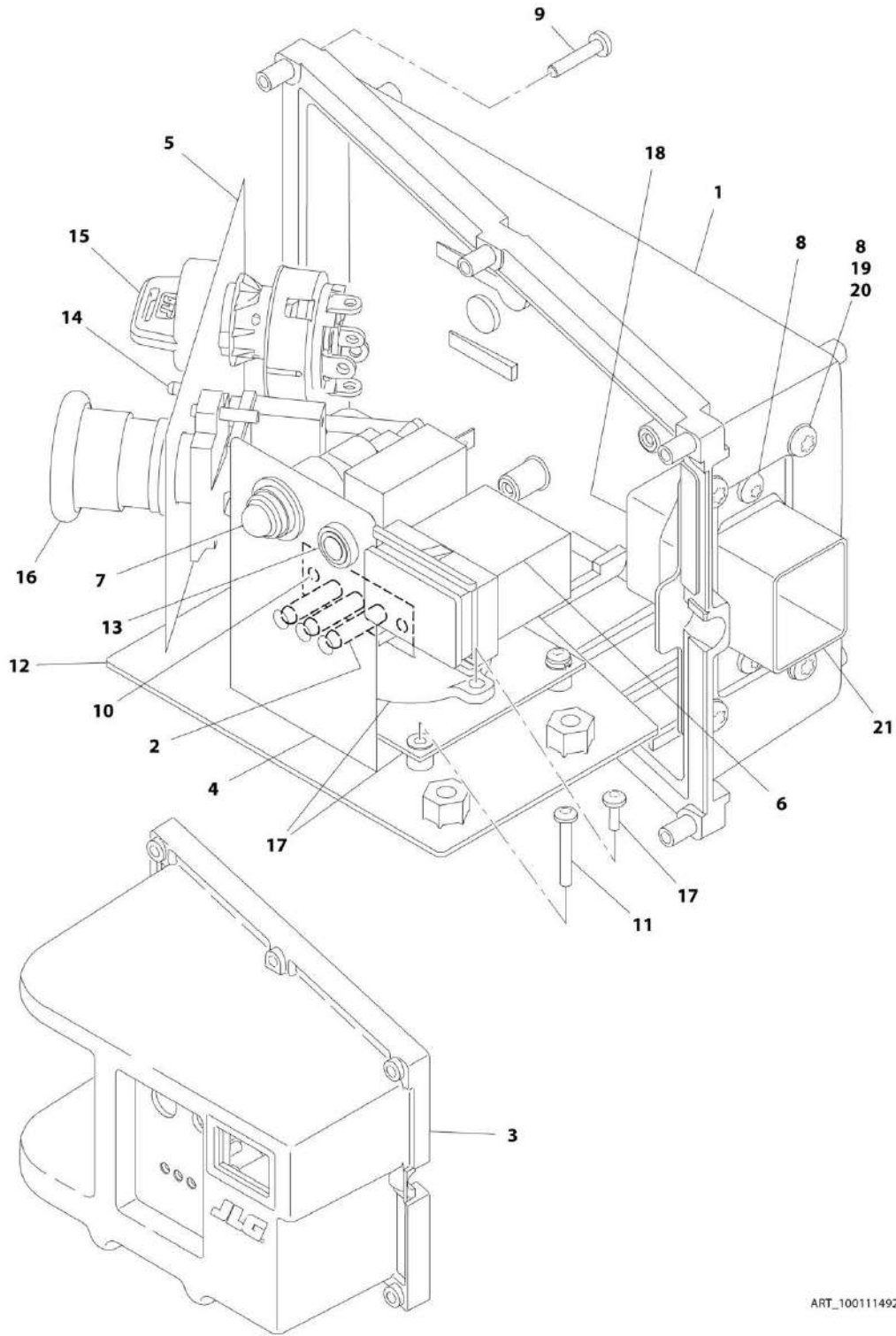
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-9. GROUND CONTROL BOX ASSEMBLY - NO LSS (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166194	Ref	GROUND CONTROL BOX ASSEMBLY - NO LSS (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)	I
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	1705696	1	Decal	
5	1705698	1	Decal	
6	2420172	1	Hourmeter	
7	3520193	1	Plug	
8	3900336	6	Screw	
9	3900338	6	Screw	
10	3900339	2	Screw	
11	1001180090	4	Screw M3.5 x 20	
12	1001165315	1	Support	
13	4360069	1	Breaker, Circuit 10A	
14	4360328	1	Switch, Toggle	
15	4360469	1	Switch, Key	
15	2860030	1	Key, Replacement	
16	4360475	1	Switch, Emergency Stop	
16	7020175	1	Cap	
16	7020176	1	Block, Contact	
17	1001166255	1	Sensor, Tilt (Includes Sensor, Mounting Plate and Hardware)	
17	3931412	3	Screw 1/4 x 3/4	
17	1001163095	1	Sensor	
17	1001165316	1	Mount, Sensor	
17	1001166776	4	Mount, Standoff	
18	1001114937	1	Mount, Harness	
19	3321005	4	Nut #10-32	
20	4751000	4	Washer #10	
21	1001167256	1	Harness, Ground Control Box (See ELECTRICAL SECTION for Breakdown) (SN 0200239382 through 0200266379, SN B200020297 through B200042930, SN M200000100 through M200012179)	
21	1001208641	1	Harness, Ground Control Box (See ELECTRICAL SECTION for Breakdown) (SN 0200266380 to Present, SN B200042931 to Present, SN M200012180 to Present)	
22	1001165284	1	Fastener	
23	1001165286	1	Spacer	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-10. GROUND CONTROL BOX ASSEMBLY - NO LSS (SN B200020297 through B200023284)



ART\_1001114929



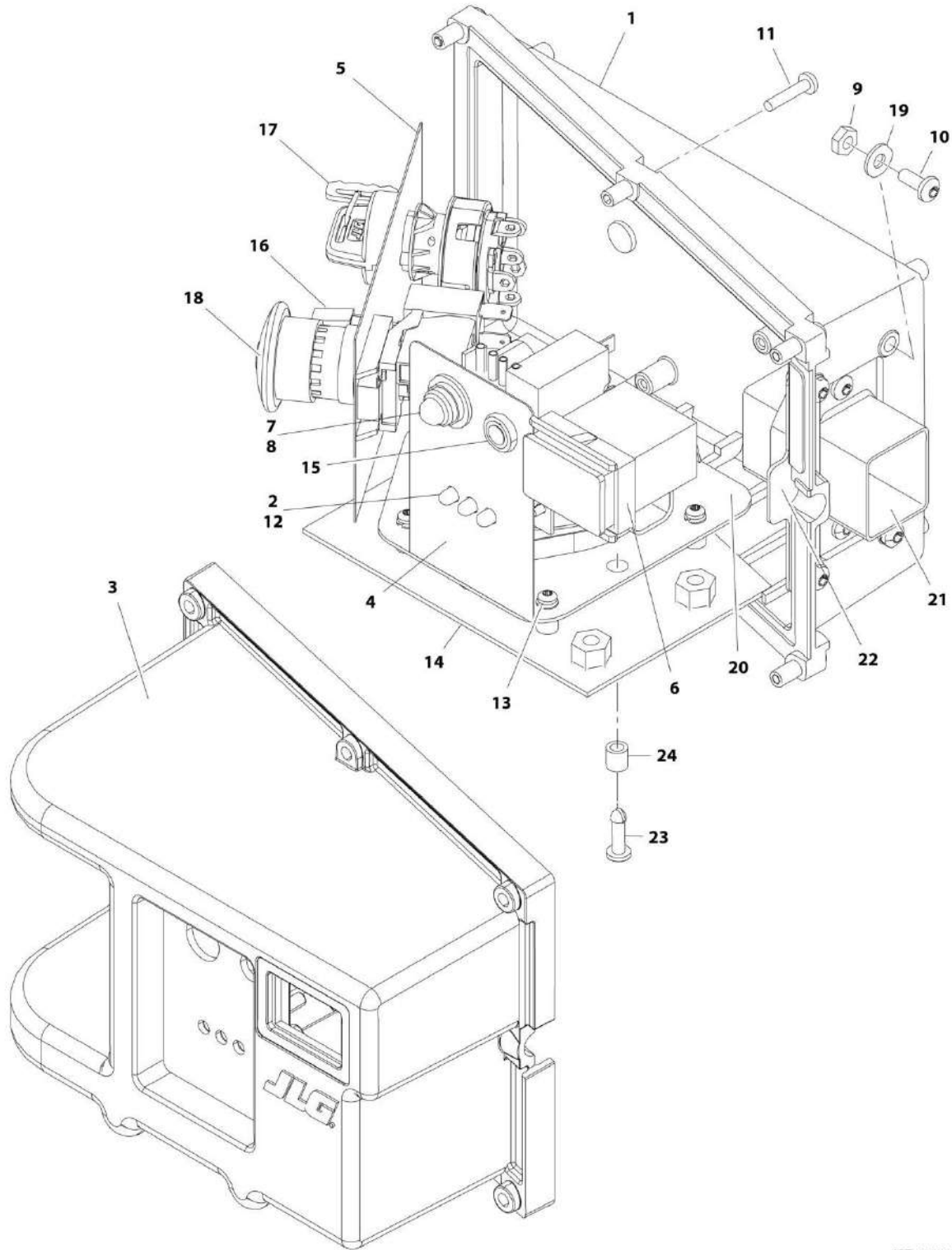
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-10. GROUND CONTROL BOX ASSEMBLY - NO LSS (SN B200020297 through B200023284)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114929	Ref	<b>GROUND CONTROL BOX ASSEMBLY - NO LSS (SN B200000100 through B200023311)</b>	A
1	0380025	1	Box, Ground Control	
2	0610161	1	Board, PC (Battery Charger LED)	
3	1671105	1	Cover, Front	
4	1705696	1	Decal - LED	
5	1705698	1	Decal - Function	
6	2420172	1	Hourmeter	
7	3520193	1	Plug	
8	3900336	6	Screw #10-32 x 1/2	
9	3900338	6	Screw M4 x 20	
10	3900339	2	Screw #6 x 1/2	
11	3900356	4	Screw M3.5 x 16	
12	4340739	1	Plate, Mounting	
13	4360069	1	Breaker, Circuit - 10Amp	
14	4360328	1	Switch, Toggle	
15	4360469	1	Switch, Key	
15	2860030	1	Key, Replacement (Fits All Specs)	
16	4360475	1	Switch, Emergency Stop	
16	7020175	1	Cap	
16	7020176	1	Block, Contact	
17	1001114933	NLA	Module, Tilt (Includes Module, Mounting Plate and Hardware) (Use p/n 1001169392)	
18	1001114937	1	Mount, Harness Bulkhead (Ground Control)	
19	3321005	4	Nut #10-32	
20	4751000	4	Washer #10	
21	1001114935	1	Harness, Control Box (See ELECTRICAL SECTION for Breakdown)	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-11. GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE) (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)



ART\_1001166197

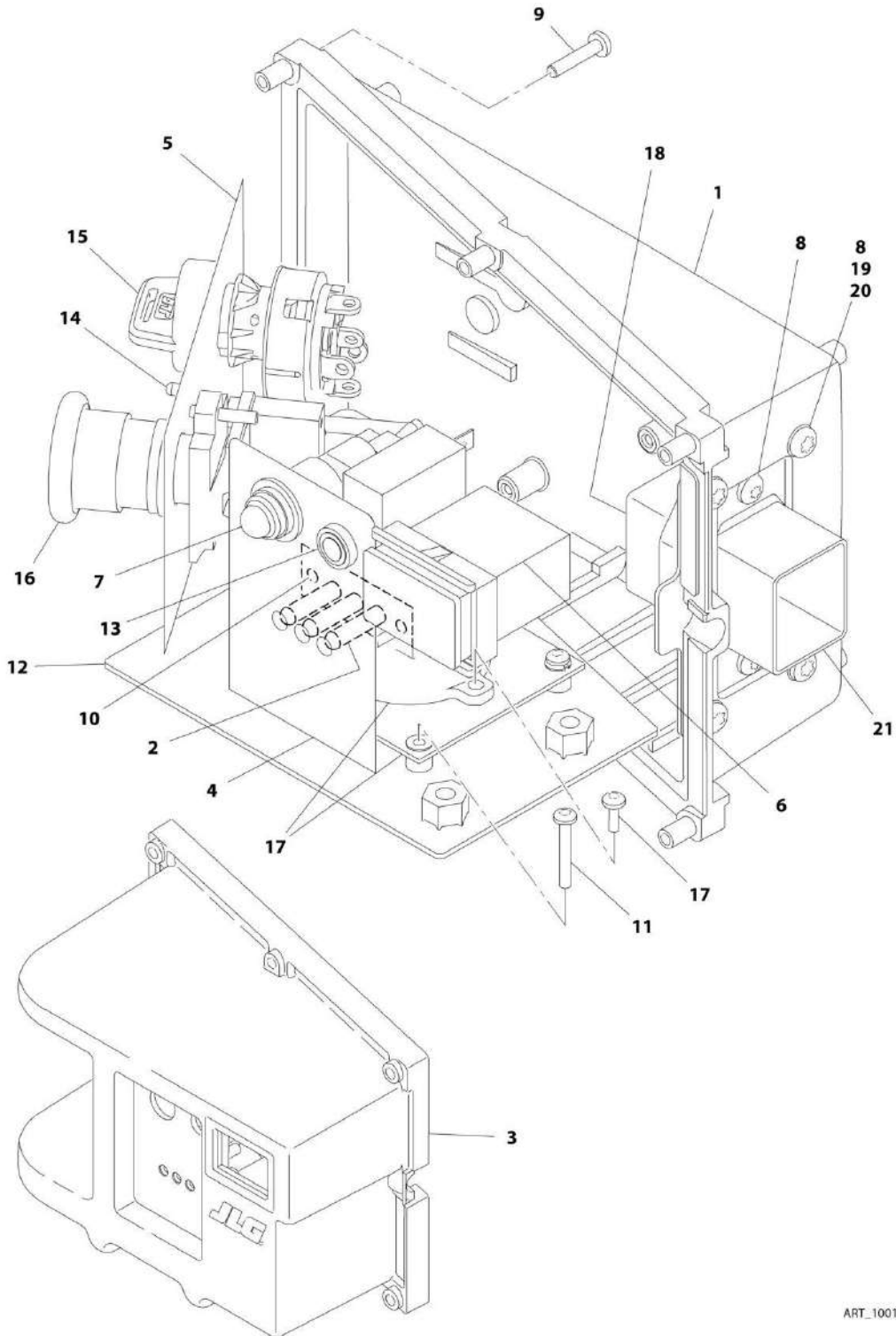
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-11. GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE) (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166197	Ref	GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE) (SN 0200239382 to Present, SN B200023285 to Present, SN M200000100 to Present)	E
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	1705697	1	Decal	
5	1705698	1	Decal	
6	2420172	1	Hourmeter	
7	2920026	1	Lamp	
8	2920094	1	Bulb	
9	3321005	4	Nut #10-32	
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 10A	
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 ELECTRICAL SECTION for Breakdown)	
22	1001114937	1	Mount, Harness	
23	1001165284	1	Fastener	
24	1001165286	1	Spacer	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-12. GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE) (SN B200020297 through B200023284)



ART\_1001114932

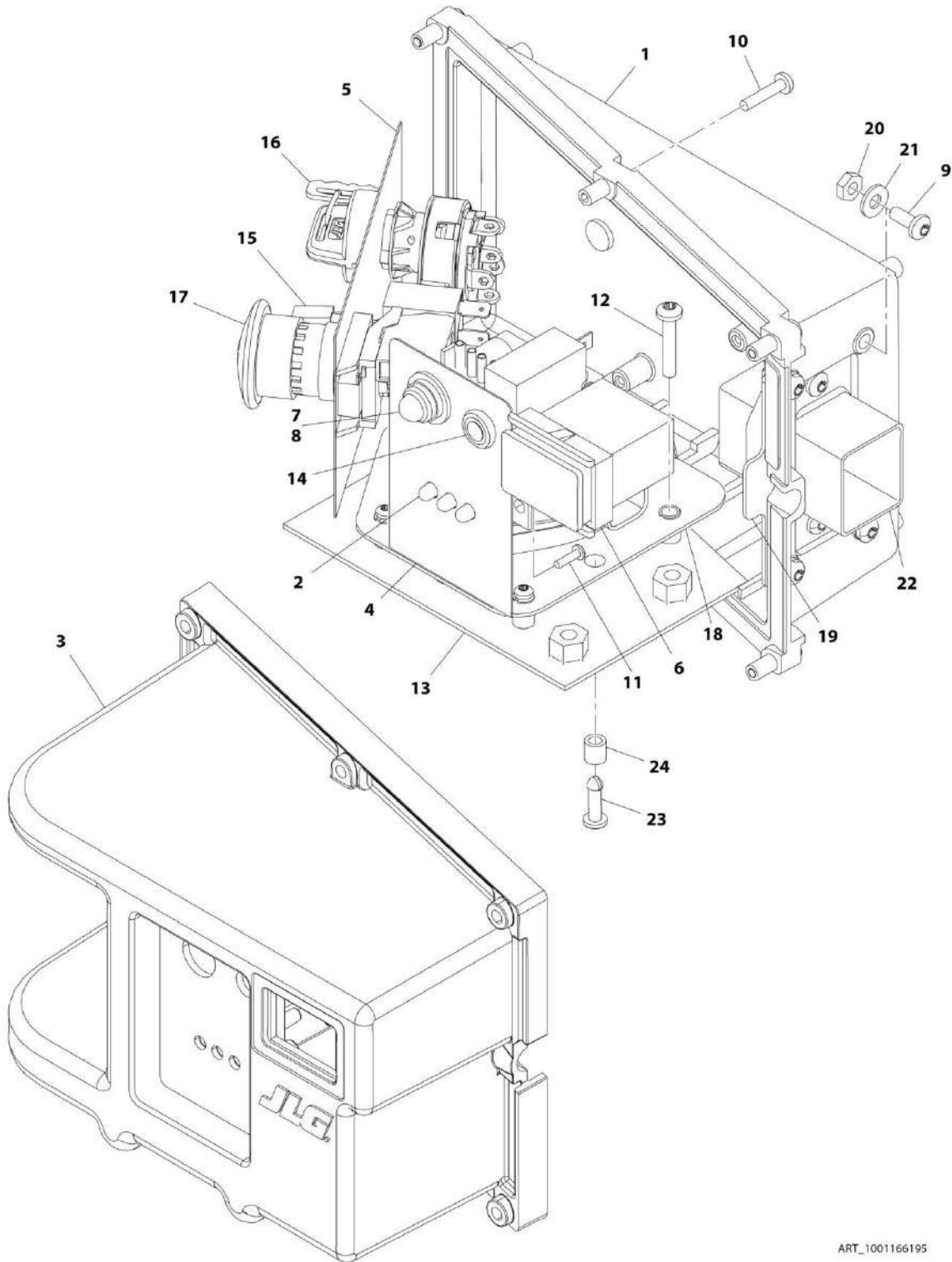
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-12. GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE) (SN B200020297 through B200023284)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114932	Ref	GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE SPEC) (SN B200000100 through B200023311)	B
1	0380025	1	Box, Ground Control	
2	0610161	1	Board, PC (Battery Charger LED)	
3	1671105	1	Cover, Front	
4	1705697	1	Decal - LED	
5	1705698	1	Decal - Function	
6	2420172	1	Hourmeter	
7	2920026	1	Lamp	
7	2920094	AR	Bulb	
8	3900336	6	Screw #10-32NF x 1/2	
9	3900338	6	Screw M4 x 20	
10	3900339	2	Screw #6 x 1/2	
11	3900356	4	Screw M3.5 x 16	
12	4340739	1	Plate, Mounting	
13	4360069	1	Breaker, Circuit - 10Amp	
14	4360328	1	Switch, Toggle	
15	4360469	1	Switch, Key	
15	2860030	1	Key, Replacement (Fits All Specs)	
16	4360475	1	Switch, Emergency Stop	
16	7020175	1	Cap	
16	7020176	1	Block, Contact	
17	1001114933	NLA	Module, Tilt (Includes Module, Mounting Plate and Hardware) (Use p/n 1001169392)	
18	1001114937	1	Mount, Harness Bulkhead (Ground Control)	
19	3321005	4	Nut #10-32NF	
20	4751000	4	Washer #10	
21	1001114935	1	Harness, Control Box (See ELECTRICAL SECTION for Breakdown)	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-13. GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN 0200239382 through 0200241828)



ART\_1001166195

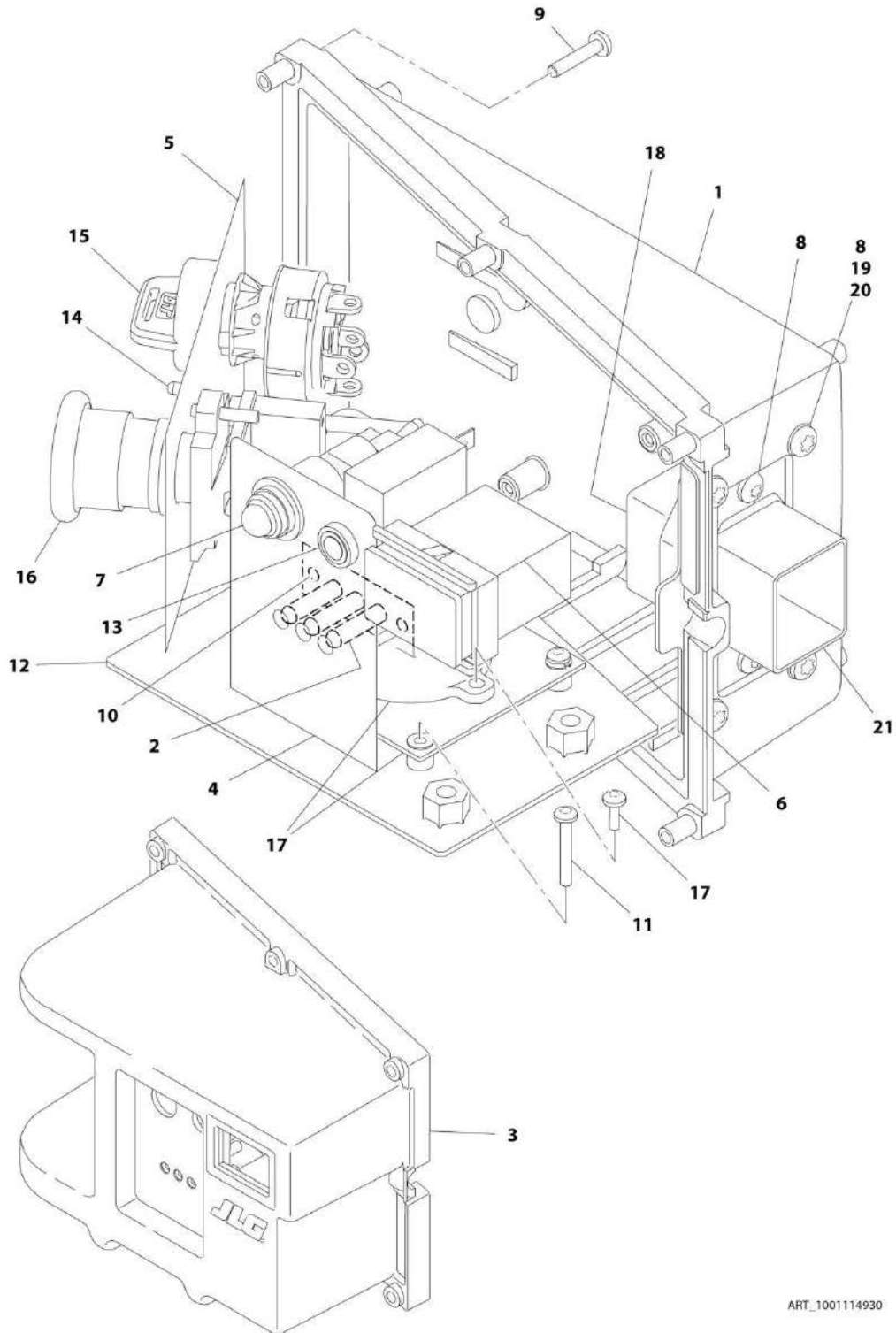
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-13. GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN 0200239382 through 0200241828)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166195	Ref	GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN 0200239382 through 0200241828)	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	1705697	1	Decal	
5	1705698	1	Decal	
6	2420172	1	Hourmeter	
7	2920026	1	Lamp	
8	2920094	1	Bulb	
9	3900336	6	Screw	
10	3900338	6	Screw	
11	3900339	2	Screw	
12	1001180090	4	Screw M3.5 x 20	
13	1001165315	1	Support	
14	4360069	1	Breaker, Circuit 10A	
15	4360328	1	Switch, Toggle	
16	4360470	1	Switch, Key	
16	2860030	1	Key, Replacement	
17	4360475	1	Switch, Emergency Stop	
17	7020175	1	Cap	
17	7020176	1	Block, Contact	
18	1001166255	1	Sensor, Tilt (Includes Sensor, Mounting Plate and Hardware)	
18	3931412	3	Screw 1/4 x 3/4	
18	1001163095	1	Sensor	
18	1001165316	1	Mount, Sensor	
18	1001166776	4	Mount, Standoff	
19	1001114937	1	Mount, Harness	
20	3321005	4	Nut #10-32	
21	4751000	4	Washer #10	
22	1001167256	1	Harness, Ground Control Box (See ELECTRICAL SECTION for Breakdown)	
23	1001165284	1	Fastener	
24	1001165286	1	Spacer	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-14. GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN B200020297 through B200021650)



ART\_1001114930



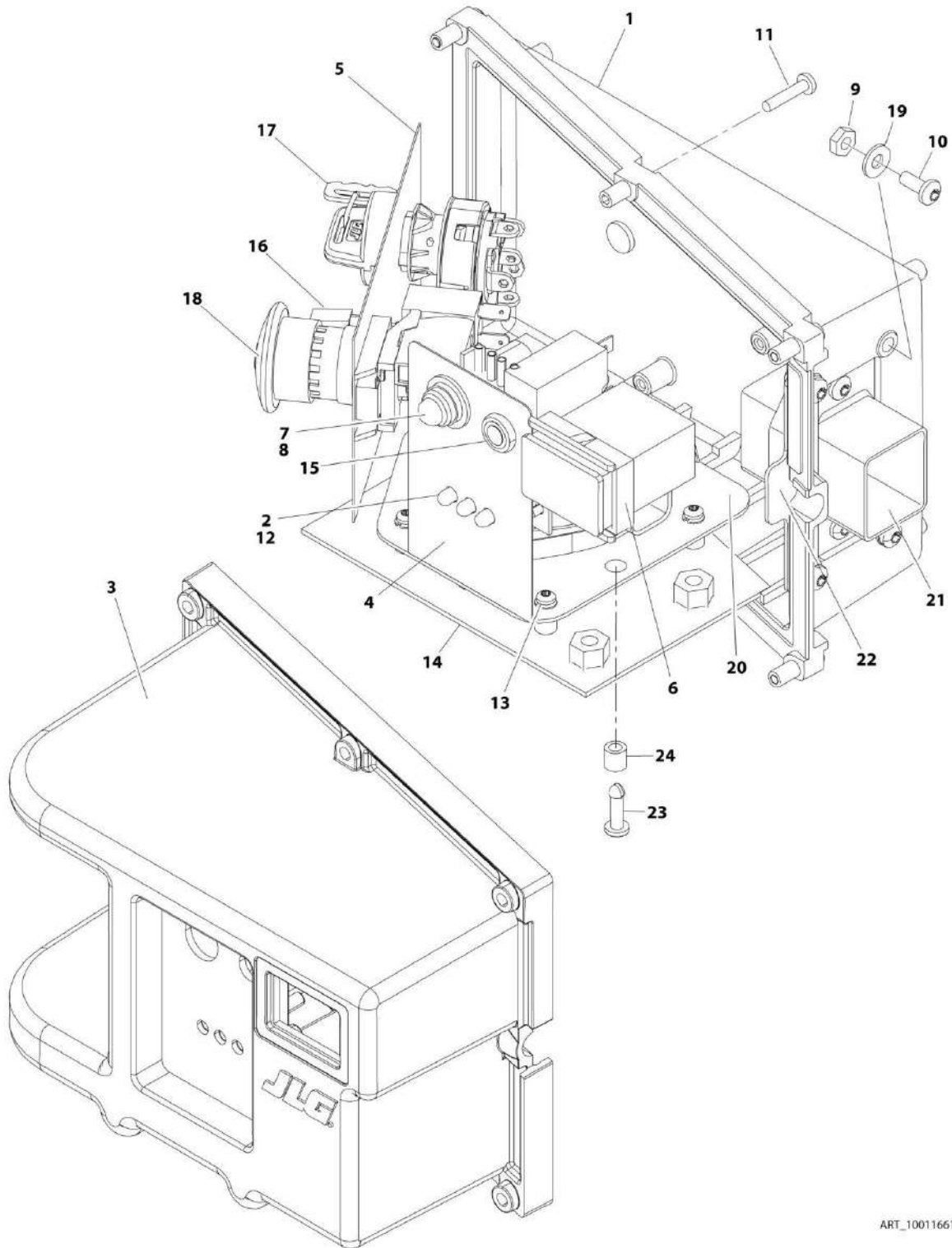
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-14. GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN B200020297 through B200021650)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114930	Ref	<b>GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN B200000100 through B200021650)</b>	B
1	0380025	1	Box, Ground Control	
2	0610161	1	Board, PC (Battery Charger LED)	
3	1671105	1	Cover, Front	
4	1705697	1	Decal - LED	
5	1705698	1	Decal - Function	
6	2420172	1	Hourmeter	
7	2920026	1	Lamp	
7	2920094	AR	Bulb	
8	3900336	6	Screw #10-32 x 1/2	
9	3900338	6	Screw M4 x 20	
10	3900339	2	Screw #6 x 1/2	
11	3900356	4	Screw M3.5 x 16	
12	4340739	1	Plate, Mounting	
13	4360069	1	Breaker, Circuit - 10Amp	
14	4360328	1	Switch, Toggle	
15	4360470	1	Switch, Key	
15	2860030	1	Key, Replacement (Fits All Specs)	
16	4360475	1	Switch, Emergency Stop	
16	7020175	1	Cap	
16	7020176	1	Block, Contact	
17	1001114933	NLA	Module, Tilt (Includes Module, Mounting Plate and Hardware) (Use p/n 1001169392)	
18	1001114937	1	Mount, Harness Bulkhead (Ground Control)	
19	3321005	4	Nut #10-32	
20	4751000	4	Washer #10	
21	1001114935	1	Harness, Control Box (See ELECTRICAL SECTION for Breakdown)	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-15. GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN 0200241829 to Present, SN 1200025021 to Present, SN B200021651 to Present, SN M200000100 to Present)



ART\_1001166197

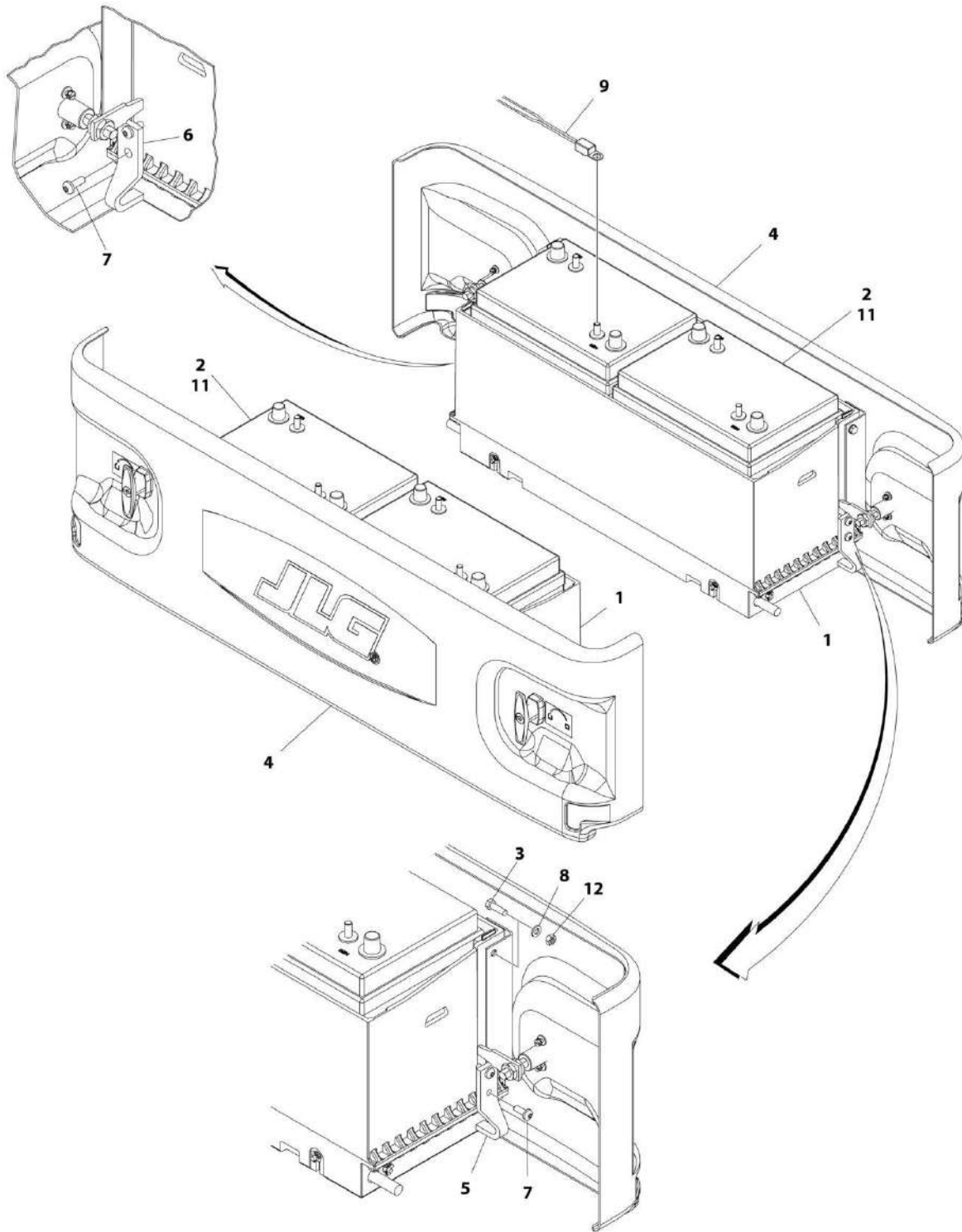
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-15. GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN 0200241829 to Present, SN 1200025021 to Present, SN B200021651 to Present, SN M200000100 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166197	Ref	GROUND CONTROL BOX ASSEMBLY - LSS (CE SPEC) (SN 0200241829 to Present, SN 1200025021 to Present, SN B200021651 to Present, SN M200000100 to Present)	F
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	1705697	1	Decal	
5	1705698	1	Decal	
6	2420172	1	Hourmeter	
7	2920026	1	Lamp	
8	2920094	1	Bulb	
9	3321005	4	Nut #10-32	
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 ELECTRICAL SECTION for Breakdown)	
22	1001114937	1	Mount, Harness	
23	1001165284	1	Fastener	
24	1001165286	1	Spacer	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-16. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-LOCKING COVERS)



ART\_0275401

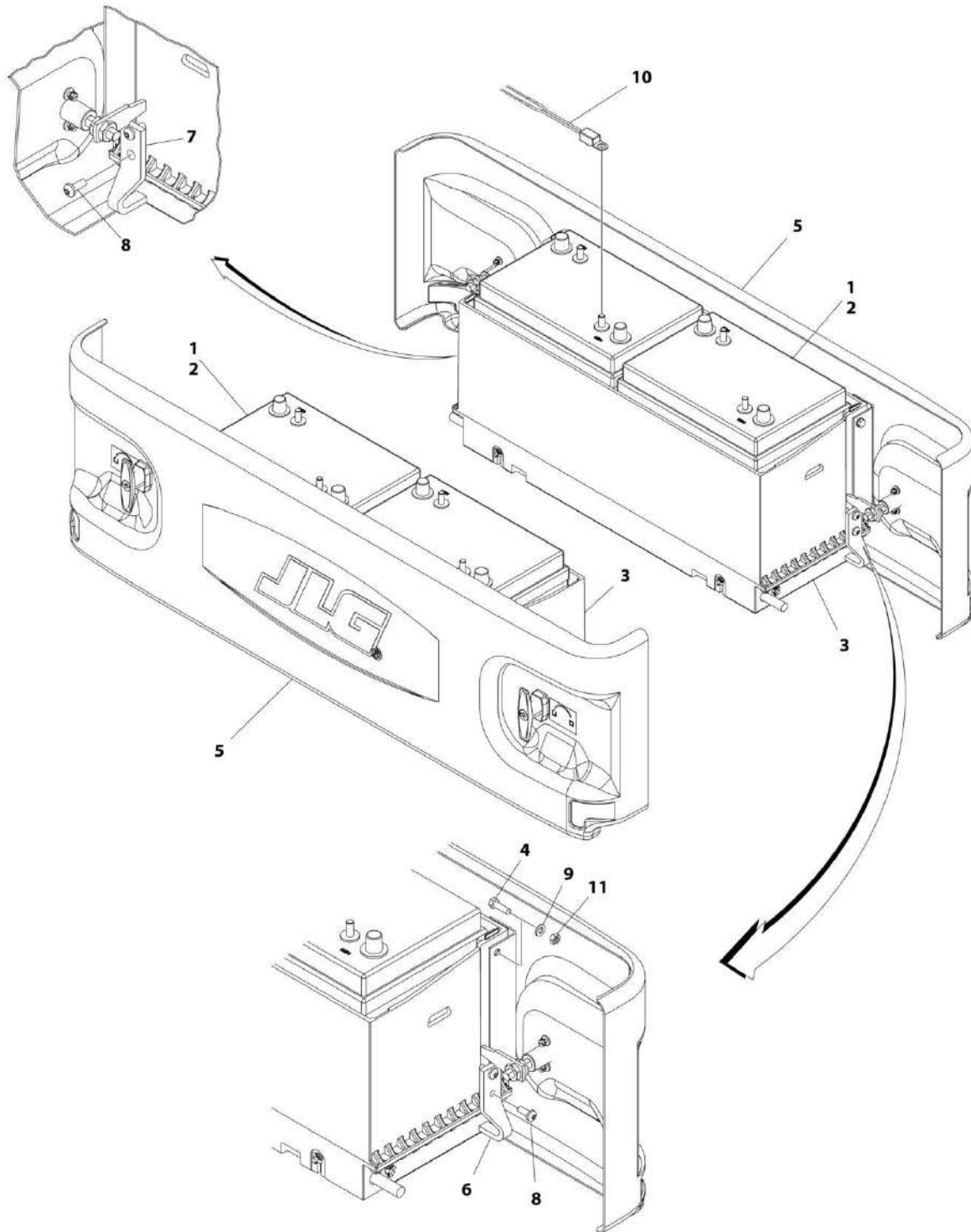
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-16. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-LOCKING COVERS)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275401	Ref	BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-LOCKING COVERS)	F
1	0273698	2	Tray Assembly (See BATTERY TRAY ASSEMBLY - NON UL for Breakdown)	
2	1001112112	4	Battery Type EVGC6A-A	
3	0760610	8	Bolt M6 x 20	
3	1001100451	8	Bolt M6 x 20	
4	1671202	2	Cover Assembly (See BATTERY COVER ASSEMBLY - NON-LOCKING for Breakdown)	
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	1001112113	1	Sensor, Temperature (SN 0200239382 through 0200266434, SN 1200025021 through 1200026477, SN B200020297 through B200045248, SN M200000100 through M200014366)	
11	0100051	AR	Grease, Terminal	
12	3290605	8	Nut M6	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-17. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (NON-UL LOCKING COVERS)



ART\_1001132233

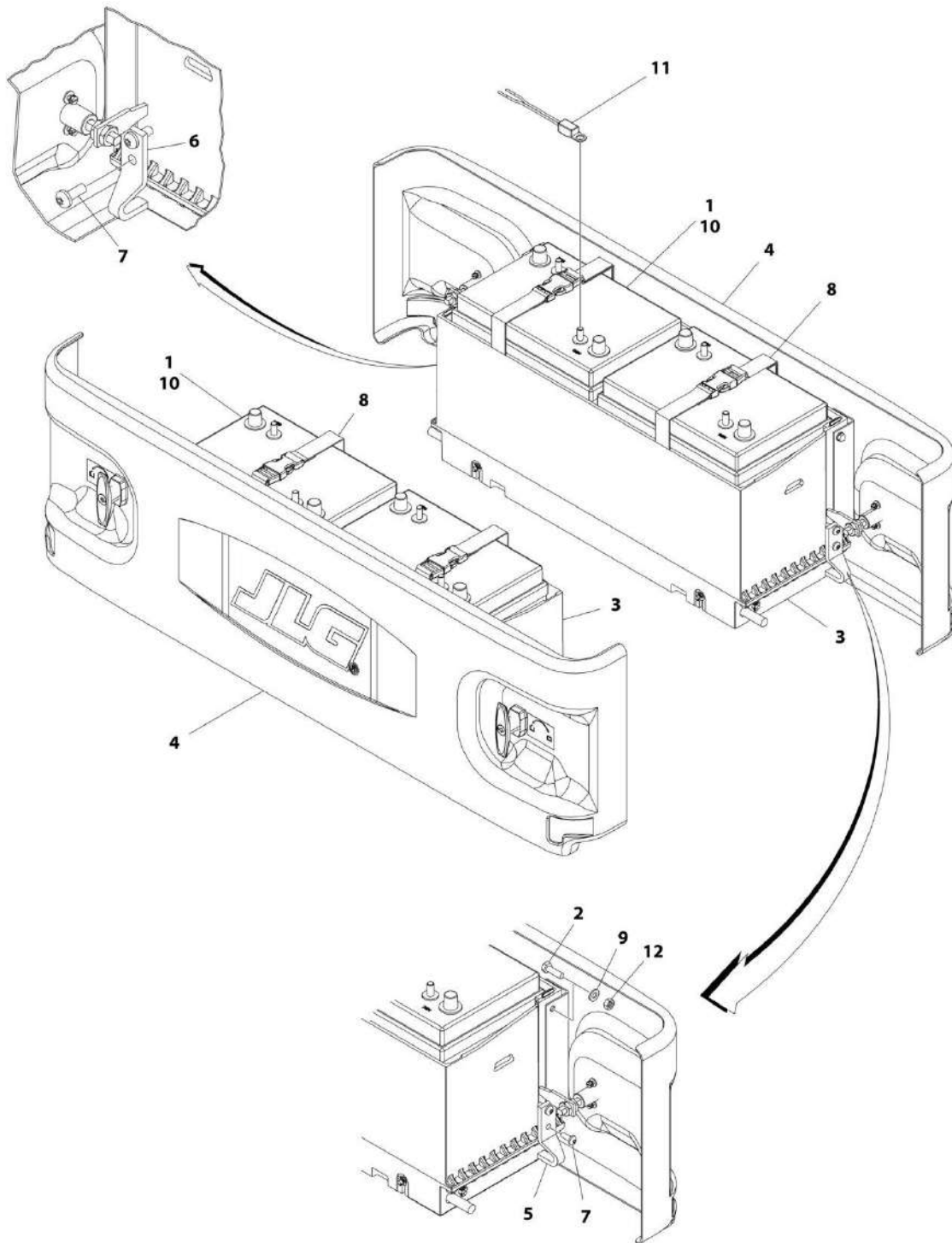
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-17. 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 BATTERY TRAY ASSEMBLY - NON UL for Breakdown)	
4	0760610	8	Bolt M6 x 20	
4	1001100451	8	Bolt M6 x 20	
5	1671204	2	Cover Assembly (See BATTERY COVER ASSEMBLY - LOCKING for Breakdown)	
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	1001112113	1	Sensor, Temperature (SN 0200239382 through 0200266434, SN 1200025021 through 1200026477, SN B200020297 through B200045248, SN M200000100 through M200014366)	
11	3290605	8	Nut M6	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-18. BATTERIES INSTALLATION - AGM AND EVG TYPE - 225 AH RATING (UL LOCKING COVERS)



ART\_1001159192



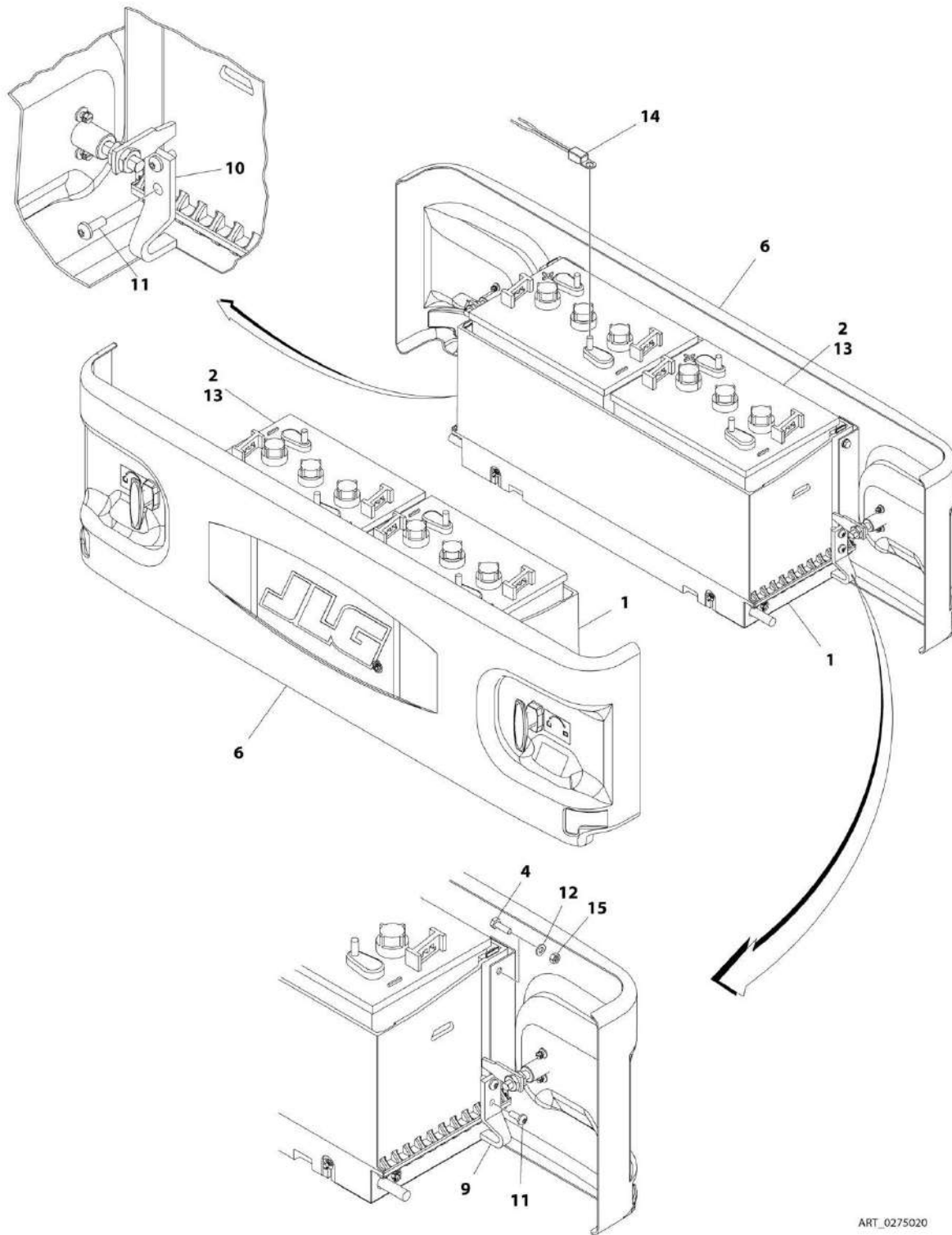
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-18. 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	0760610	8	Bolt M6 x 20	
2	1001100451	8	Bolt M6 x 20	
3	0861678	2	Tray Assembly (See BATTERY TRAY ASSEMBLY - UL for Breakdown)	
4	1671204	2	Cover Assembly (See BATTERY COVER ASSEMBLY - LOCKING for Breakdown)	
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	1001112113	1	Sensor, Temperature (SN 0200239382 through 0200266434, SN B200020297 through B200045248, SN M200000100 through M200014366)	
12	3290605	8	Nut M6	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-19. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON-LOCKING COVERS)



ART\_0275020

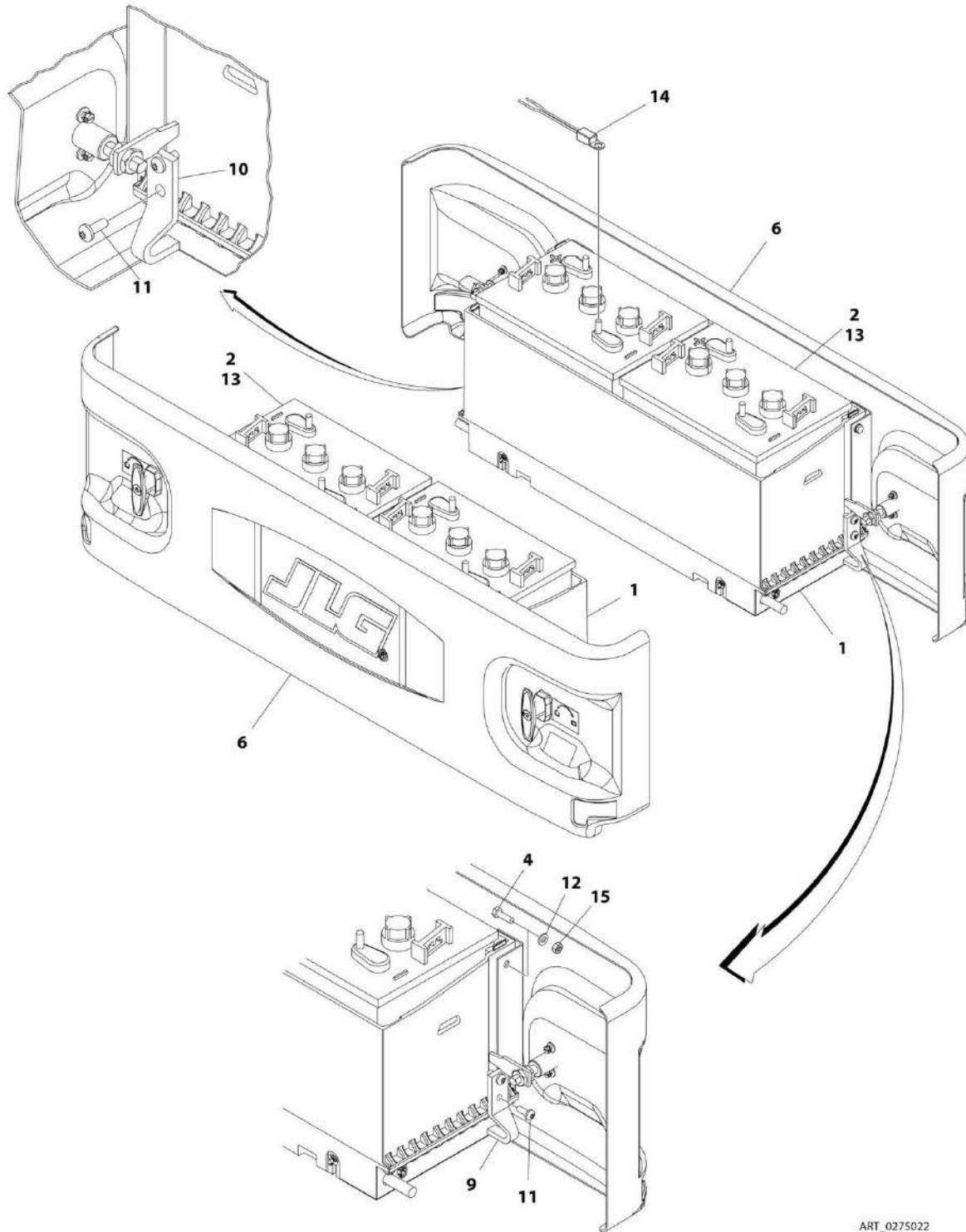
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-19. 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 BATTERY TRAY ASSEMBLY - NON UL for Breakdown)	
2	0400215	4	Battery Type GC-110-WNL	
4	0760610	8	Bolt M6 x 20	
4	1001100451	8	Bolt M6 x 20	
6	1671202	2	Cover Assembly (See BATTERY COVER ASSEMBLY - NON-LOCKING for Breakdown)	
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	1001112113	1	Sensor, Temperature (SN 0200239382 through 0200266434, SN 1200025021 through 1200026477, SN B200020297 through B200045248, SN M200000100 through M200014366)	
15	3290605	8	Nut M6	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-20. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON-UL LOCKING COVERS)



ART\_0275022

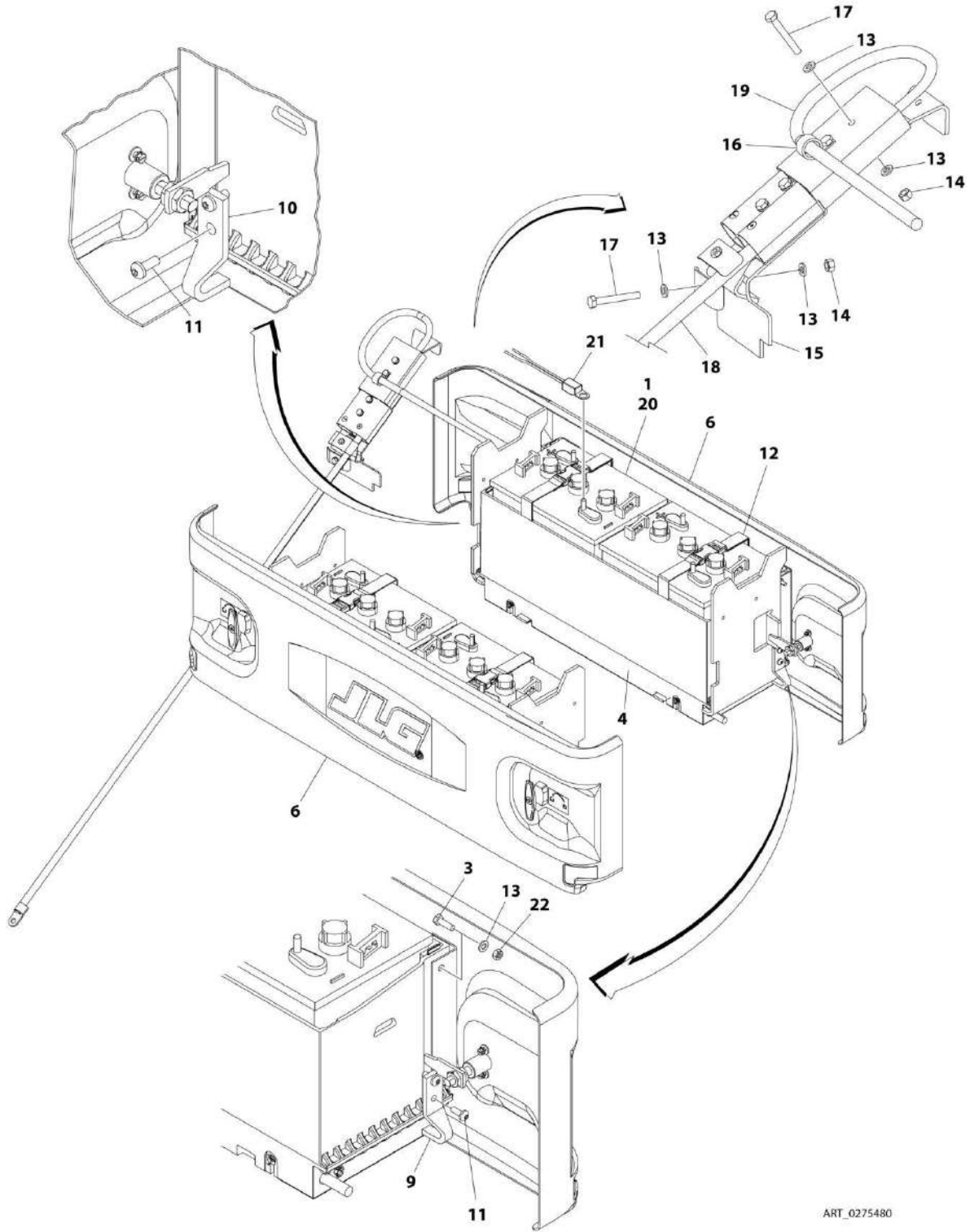
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-20. 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 BATTERY TRAY ASSEMBLY - NON UL for Breakdown)	
2	0400215	4	Battery Type GC-110-WNL	
4	0760610	8	Bolt M6 x 20	
4	1001100451	8	Bolt M6 x 20	
6	1671204	2	Cover Assembly (See BATTERY COVER ASSEMBLY - LOCKING for Breakdown)	
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	1001112113	1	Sensor, Temperature (SN 0200239382 through 0200266434, SN 1200025021 through 1200026477, SN B200020297 through B200045248, SN M200000100 through M200014366)	
15	3290605	8	Nut M6	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-21. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (UL LOCKING COVERS)



ART\_0275480

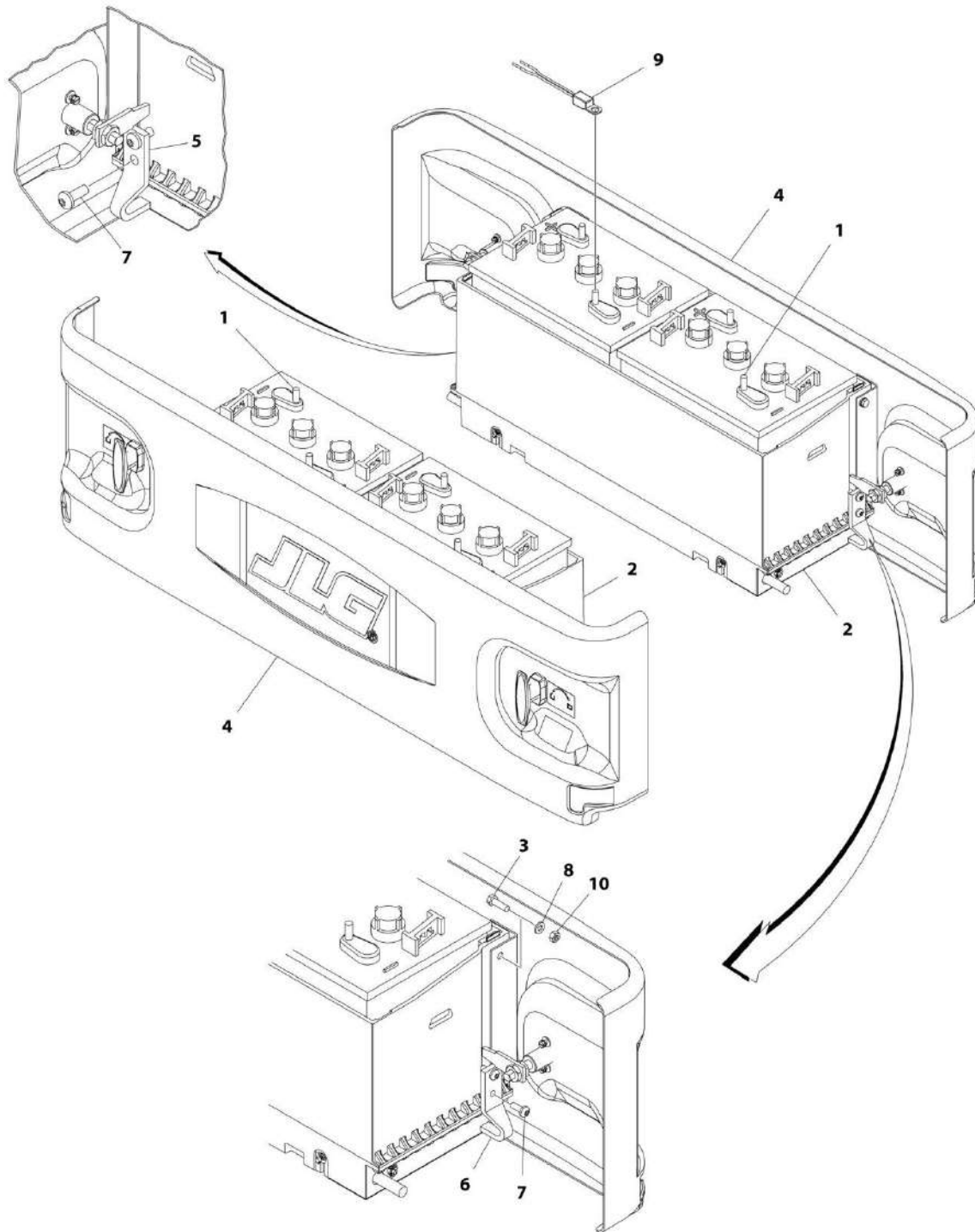
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-21. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (UL LOCKING COVERS)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275480	Ref	BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (UL LOCKING COVERS)	H
1	0400215	4	Battery Type GC-110-WNL	
3	0760610	8	Bolt M6 x 20	
3	1001100451	8	Bolt M6 x 20	
4	0861678	2	Tray Assembly (See BATTERY TRAY ASSEMBLY - UL for Breakdown)	
6	1671204	2	Cover Assembly (See BATTERY COVER ASSEMBLY - LOCKING for Breakdown)	
9	3574981	2	Plate, Slide Stop (LH)	
10	3574984	2	Plate, Slide Stop (RH)	
11	4191707	8	Screw M6 x 16	
12	4240172	4	Strap, Battery	
13	4811700	17	Washer M6	
14	3290607	5	Nut M6	
15	1001110826	1	Bracket	
16	1320224	1	Clamp	
17	0700617	5	Bolt M6 x 45	
18	1001127523	1	Cable, Battery	
19	4923414	1	Cable, Battery	
20	0100051	AR	Grease, Terminal	
21	1001112113	1	Sensor, Temperature (SN 0200239382 through 0200266434, SN B200020297 through B200045248, SN M200000100 through M200014366)	
22	3290605	8	Nut M6	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-22. BATTERIES INSTALLATION - 220 AH RATING WITHOUT BATTERIES (NON LOCKING COVERS)



ART\_1001209104



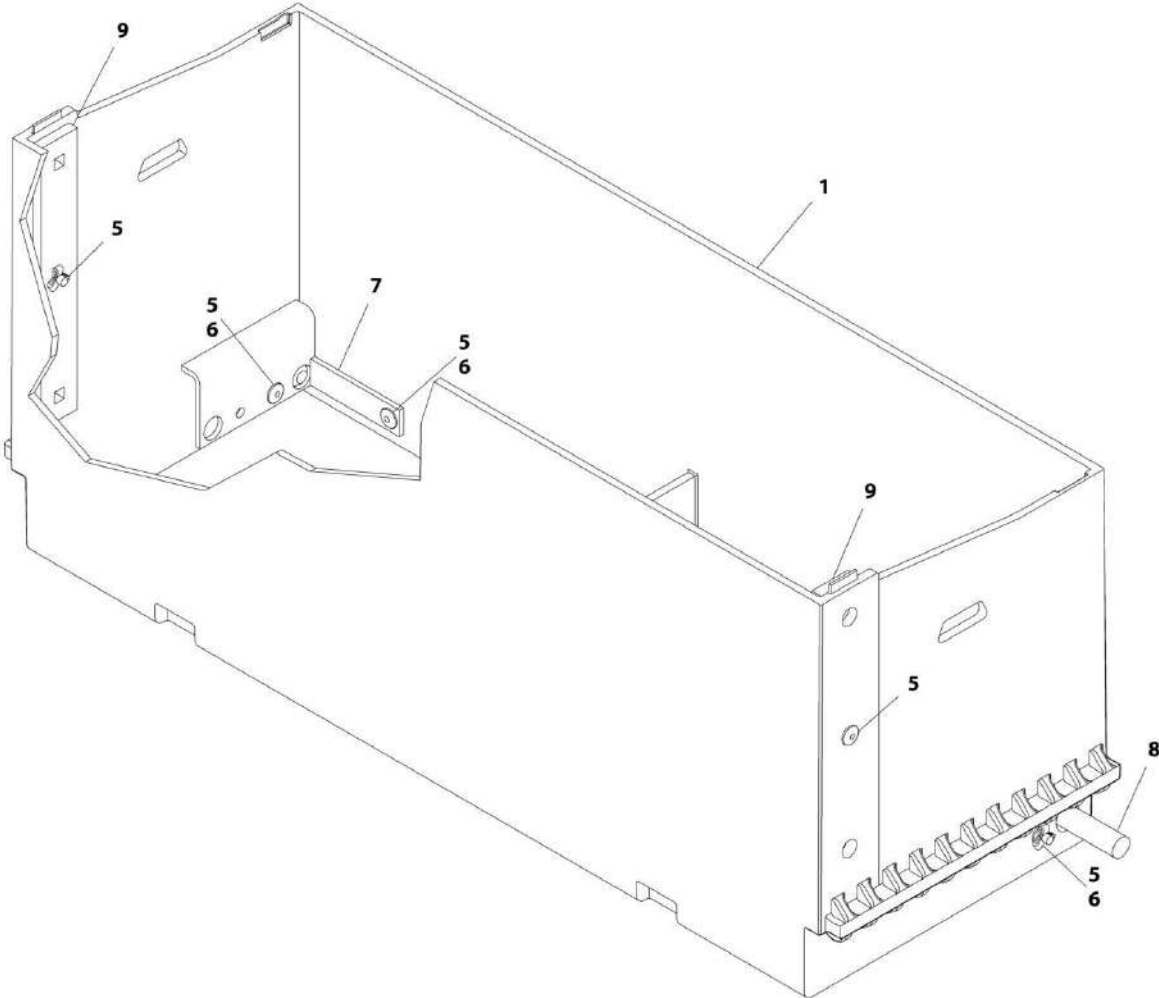
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-22. 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 BATTERY TRAY ASSEMBLY - NON UL for Breakdown)	
3	0760610	8	Bolt M6 x 20	
3	1001100451	8	Bolt M6 x 20	
4	1671202	1	Cover Assembly (See BATTERY COVER ASSEMBLY - NON-LOCKING for Breakdown)	
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	1001112113	1	Sensor, Temperature (SN 1200025021 through 12000264477, SN B200020297 through B2000452248)	
10	3290605	8	Nut M6	

**SECTION 2 - GROUND COMPONENTS**

**FIGURE 2-23. BATTERY TRAY ASSEMBLY - NON-UL**



ART\_0273698

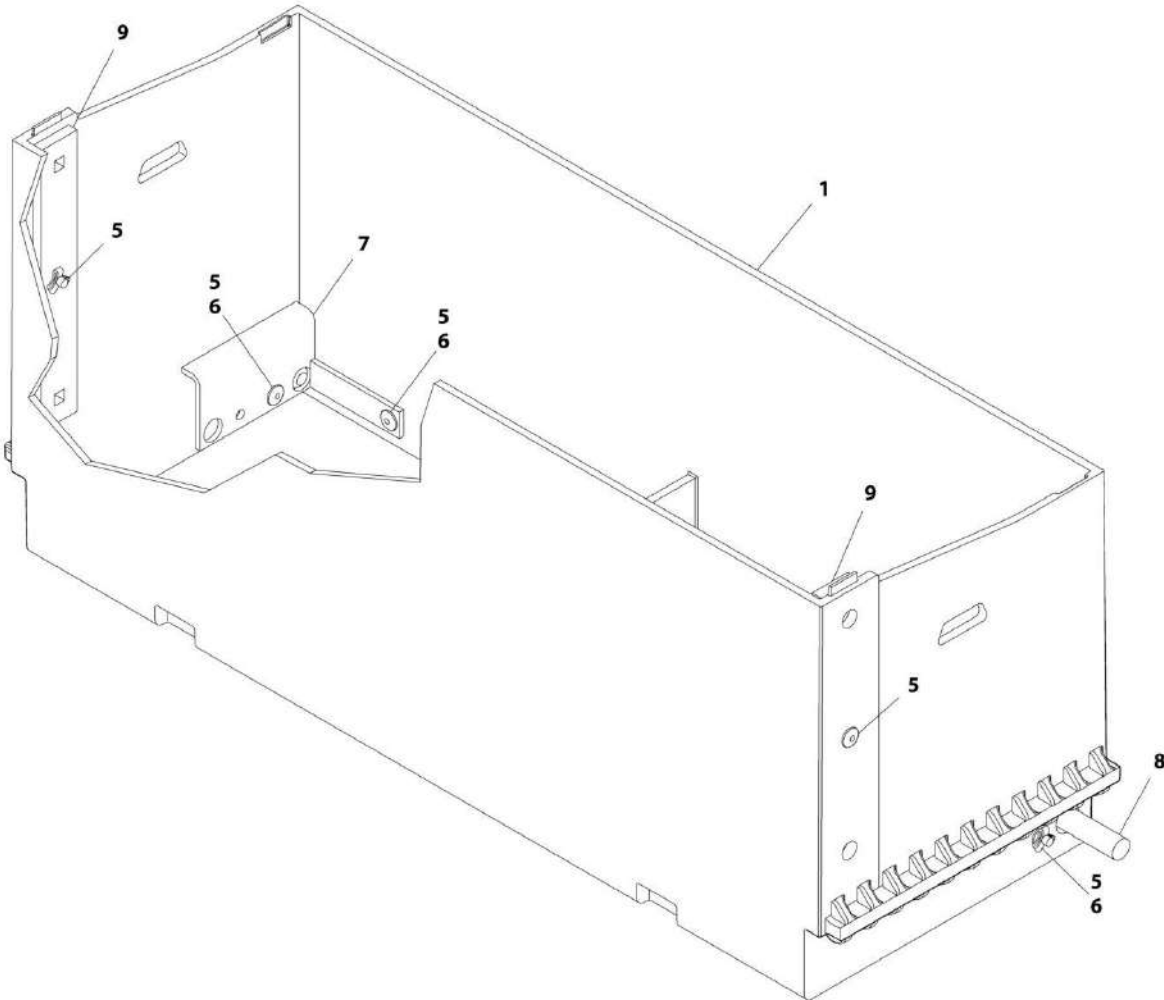
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-23. BATTERY TRAY ASSEMBLY - NON-UL**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273698	Ref	BATTERY TRAY ASSEMBLY - NON-UL	J
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	3577076	2	Bar (SN 0200239382 through 0200266381, SN 1200025021 through 1200030068, SN B200020297 through B200049082, SN M200000100 through M200026235)	
9	1001233888	2	Bar (SN 0200266382 to Present, SN 1200030069 to Present, SN B200049083 to Present, SN M200026236 to Present)	

**SECTION 2 - GROUND COMPONENTS**

**FIGURE 2-24. BATTERY TRAY ASSEMBLY - UL**



ART\_0861678

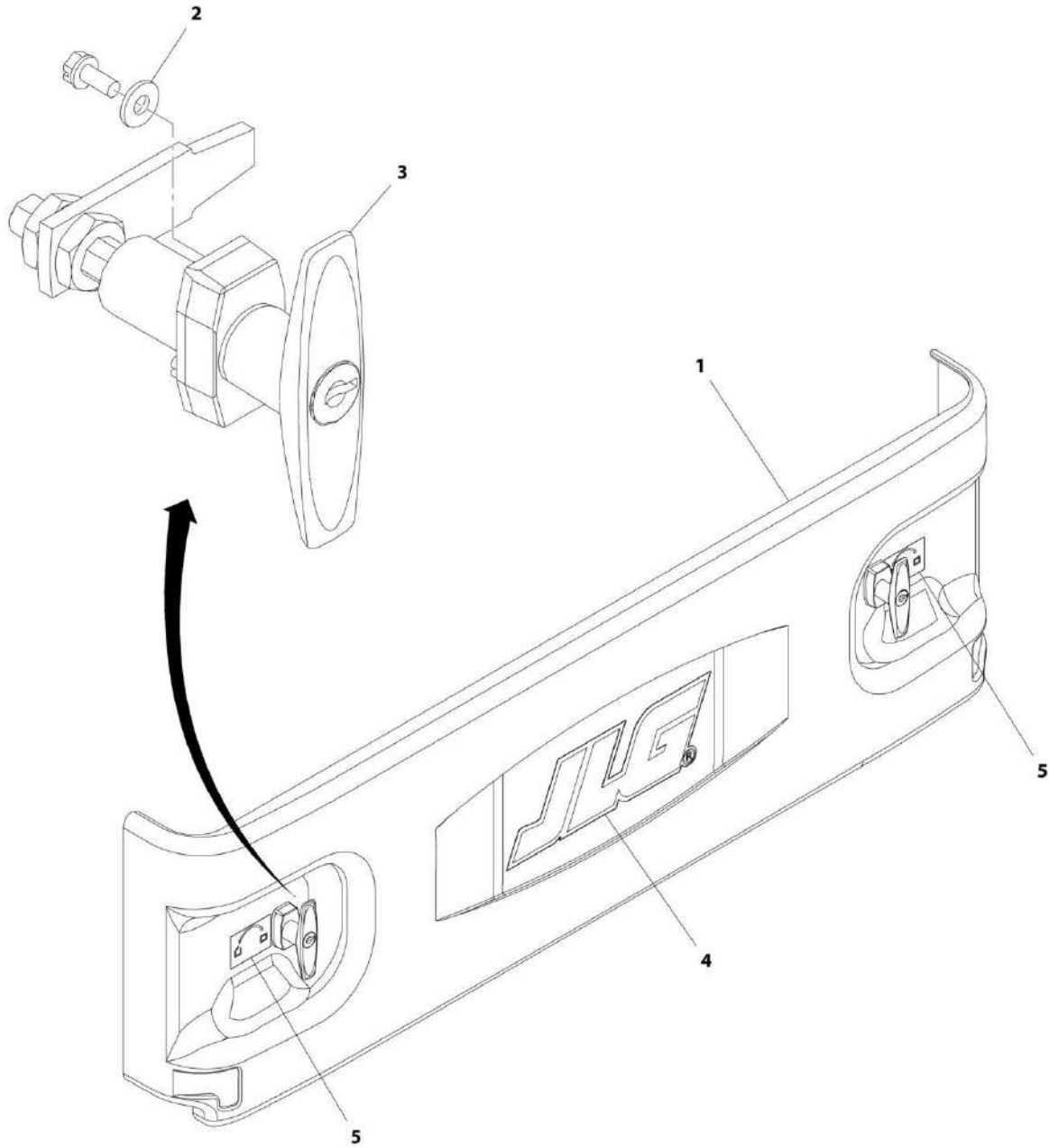
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-24. BATTERY TRAY ASSEMBLY - UL**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0861678	Ref	BATTERY TRAY ASSEMBLY - UL	H
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	3577076	2	Bar (SN 0200239382 through 0200266381, SN 1200025021 through 1200030068, SN B200020297 through B200049082, SN M200000100 through M200026235)	
9	1001233888	2	Bar (SN 0200266382 to Present, SN 1200030069 to Present, SN B200049083 to Present, SN M200026236 to Present)	

**SECTION 2 - GROUND COMPONENTS**

**FIGURE 2-25. BATTERY COVER ASSEMBLY - NON-LOCKING**



ART\_1671202

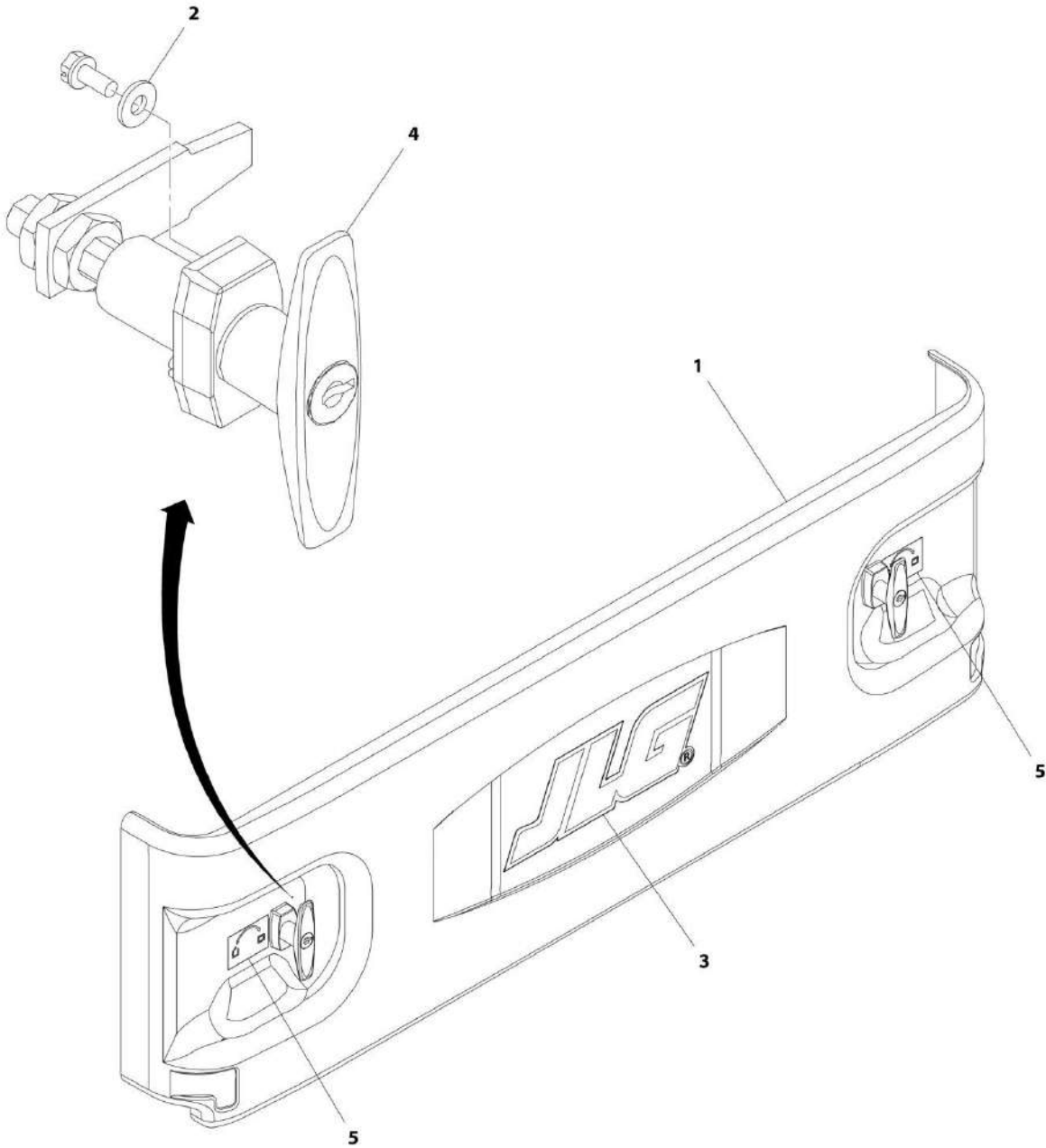
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-25. 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	Standard	
4	1705754	1	Decal - JLG (SN 0200239382 through 0200262152, SN B200020297 through B200038195, SN M200000100 through M200007968)	
5	1706350	2	Decal - Cover	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-26. BATTERY COVER ASSEMBLY - LOCKING



ART\_1671204



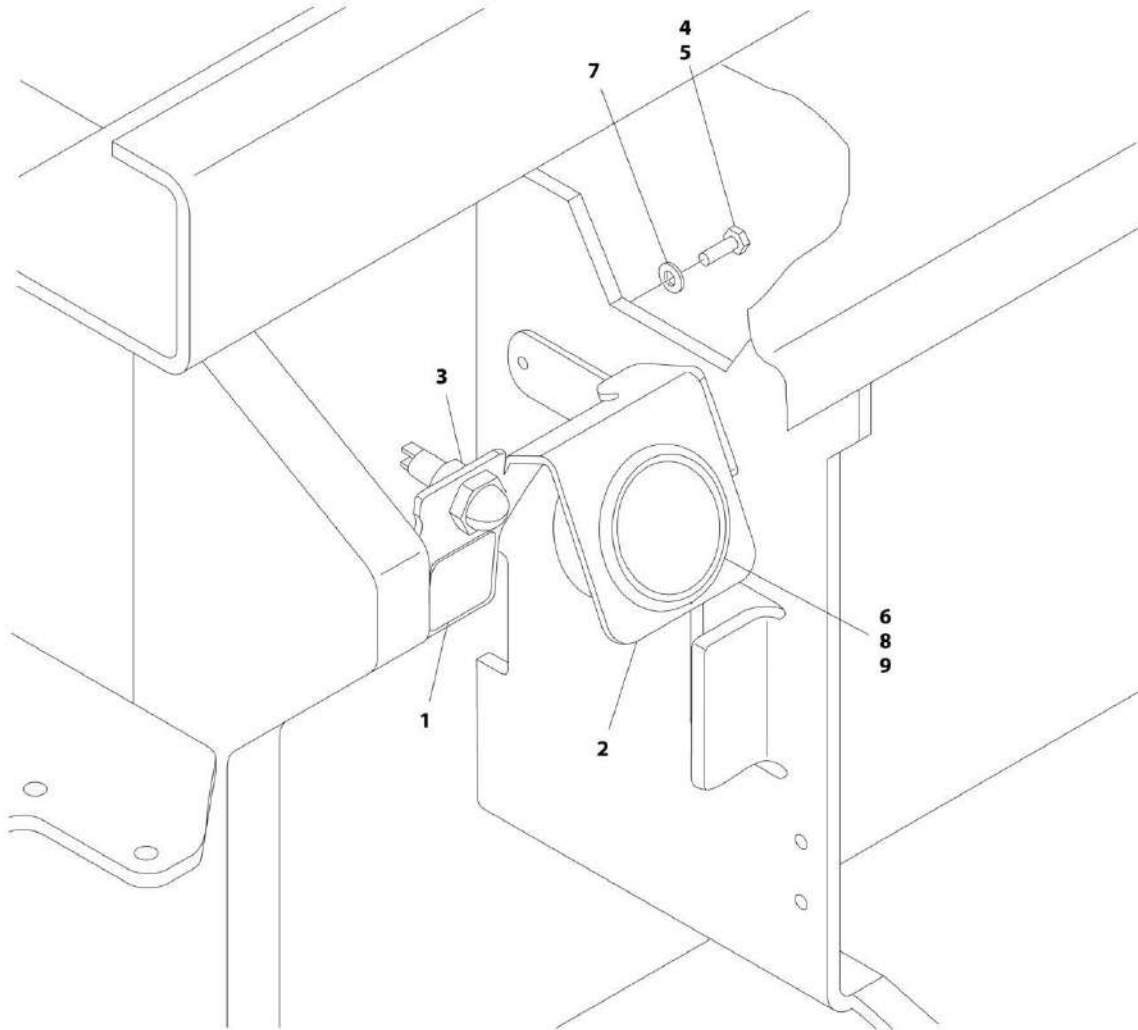
## SECTION 2 - GROUND COMPONENTS

FIGURE 2-26. 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	2940175	2	Locking	
3	7027863	2	Key	
4	1705754	1	Decal - JLG	
5	1706350	2	Decal - Cover	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-27. BRAKE DISCONNECT AND MDI (MULTIFUNCTION DIGITAL INDICATOR) GAUGE INSTALLATION



ART\_0275530

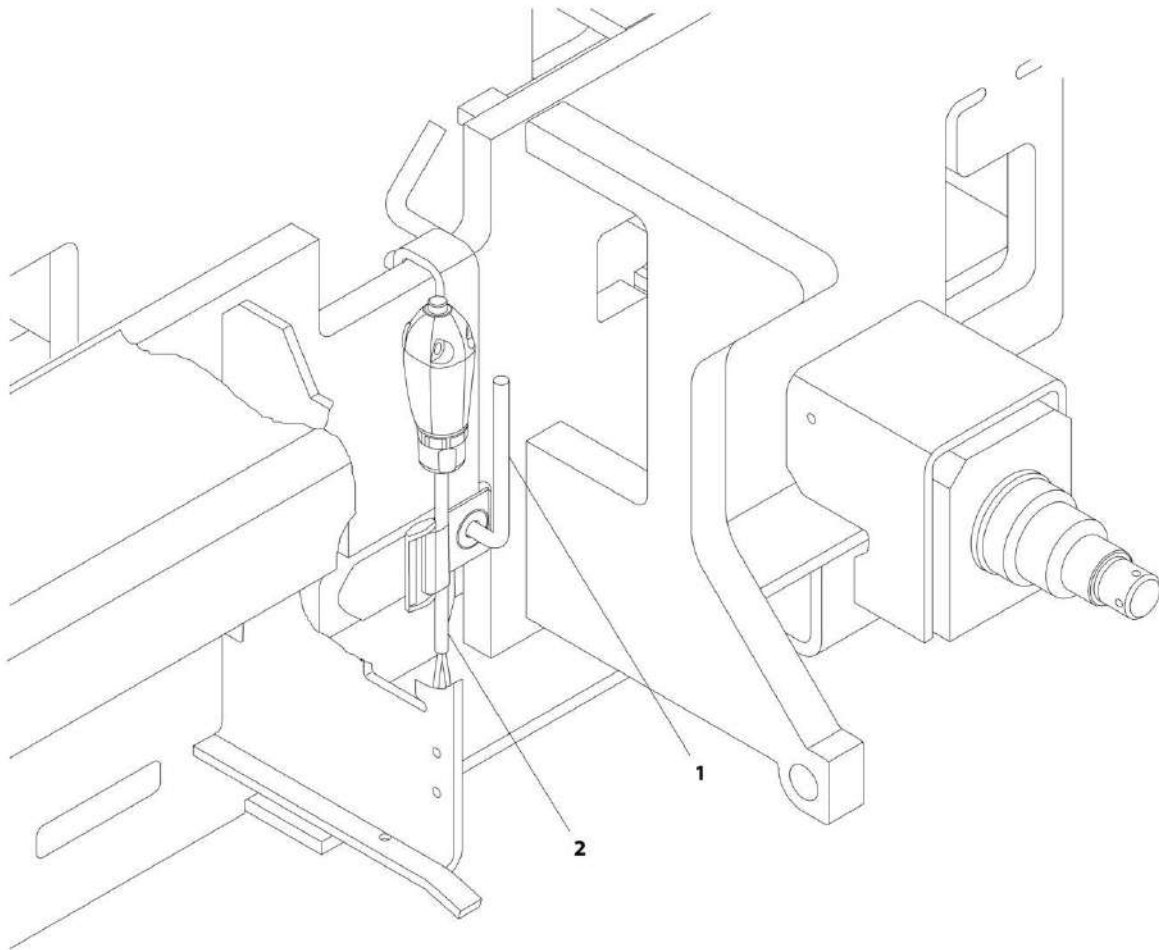
## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-27. 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 ELECTRICAL SECTION for Breakdown)	

## SECTION 2 - GROUND COMPONENTS

FIGURE 2-28. BRAKE CABLE INSTALLATION (OPTIONAL)



ART\_0275432

## SECTION 2 - GROUND COMPONENTS

**FIGURE 2-28. BRAKE CABLE INSTALLATION (OPTIONAL)**

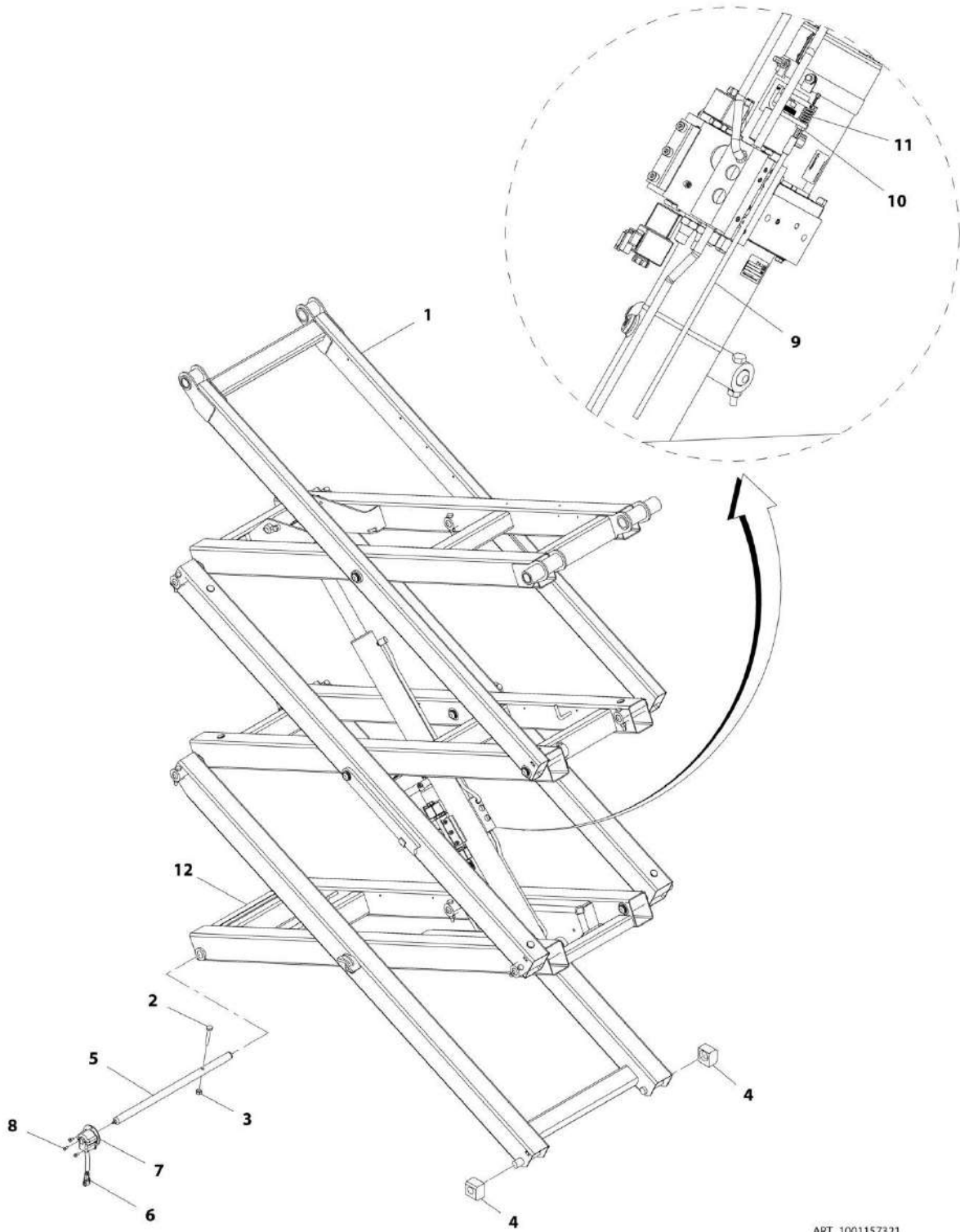
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275432	Ref	BRAKE CABLE INSTALLATION (OPTIONAL)	B
1	2902331	1	Brake Release Mount Kit (Includes Mounting Bracket and Setscrew)	
1	3951608	1	Setscrew 3/8 x 1	
2	4922944	1	Brake Disconnect Harness (See ELECTRICAL SECTION for Breakdown)	



**SECTION 3 - SCISSIOR ARMS**

# SECTION 3 - SCISSOR ARMS

FIGURE 3-1. SCISSORS ARMS INSTALLATION - 1930ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES)



ART\_1001157321



## SECTION 3 - SCISSOR ARMS

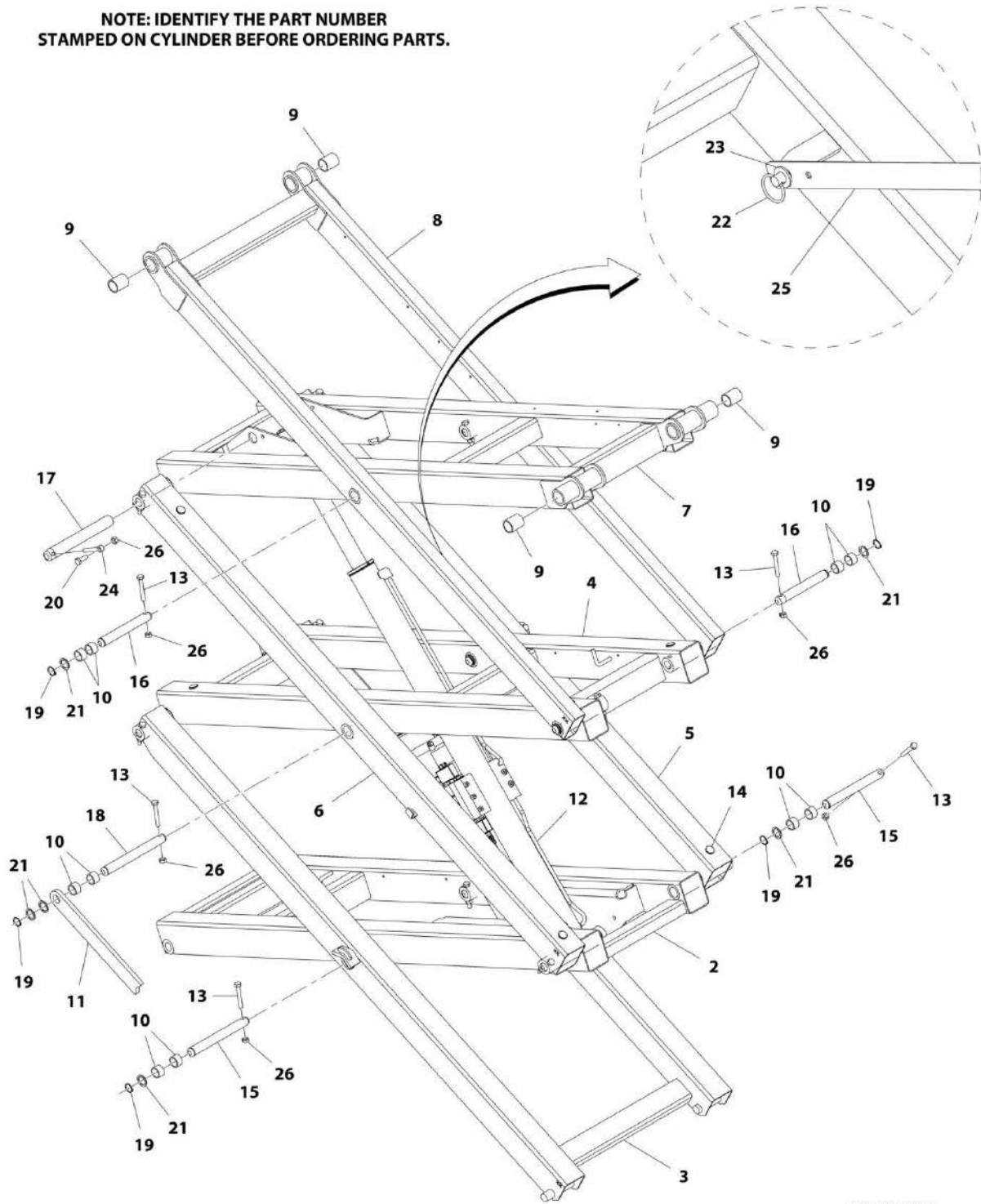
**FIGURE 3-1. SCISSORS ARMS INSTALLATION - 1930ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157321	Ref	SCISSOR ARMS INSTALLATION - 1930ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES)	A
1	1001157315	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 1930ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) for Breakdown)	
2	0701022	1	Bolt M10 x 70	
3	3291005	1	Nut M10	
4	3340964	2	Pad, Slide	
5	3423239	1	Pin, Sensor	
6	1001092354	1	Switch, Rotary Angle Sensor	
7	3200454	1	Mount, Switch	
8	4191706	3	Screw M6 x 12	
9	1061036	1	Cable, Manual Descent	
9	7020218	1	T-Handle (1/4)	
9	70001878	1	T-Handle (M5)	
10	3321402	1	Nut 1/4 - 28	
11	4160078	1	Spring, Compression	
12	4420070	1	Tape, Anti-Skid	

# SECTION 3 - SCISSOR ARMS

FIGURE 3-2. SCISSORS ARMS ASSEMBLY - 1930ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES)

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



ART\_1001157315

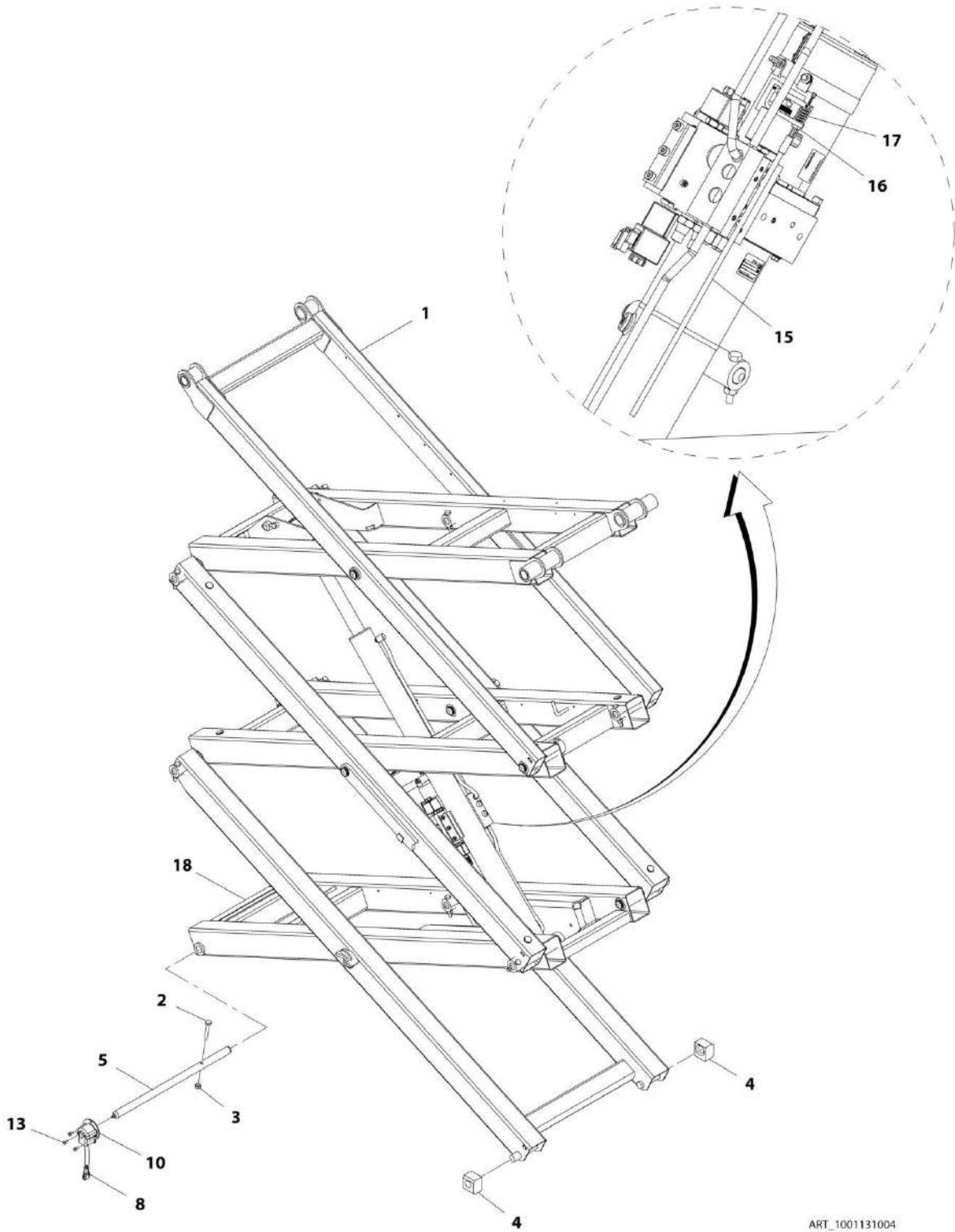
## SECTION 3 - SCISSOR ARMS

**FIGURE 3-2. SCISSORS ARMS ASSEMBLY - 1930ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157315	Ref	SCISSOR ARMS ASSEMBLY - 1930ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES)	B
2	0200825	1	Arm - Lower Inboard	
3	0200810	1	Arm - Lower Outboard	
4	0200824	1	Arm - Mid Inboard	
5	0200823	1	Arms - Mid Outboard	
6	0200822	1	Arm - Mid Outboard	
7	0200821	1	Arm - Top Inboard	
8	0200815	1	Arm - Top Outboard	
9	0440266	4	Bearing	
10	0440264	28	Bearing	
11	3574159	1	Bar, Prop Attach	
12		Ref	Lift Cylinder Assembly - Standard Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
12	1684484	1	Lift Cylinder Assembly - Texas Hydraulics	
12	1001155840	NLA	Lift Cylinder Assembly - Serta (Use p/n 1001214271) (SN <b>0200239382 through 0200258871, SN B200020297 through B200032100, SN M200000100 through M200003501</b> )	
12	1001214271	1	Lift Cylinder Assembly - Serta (SN <b>0200258872 to Present, SN B200032101 to Present, SN M200003502 to Present</b> )	
13	0701022	14	Bolt M10 x 70	
14	3340962	16	Pad, Arm Rest	
15	3423031	9	Pin	
16	3423032	4	Pin	
17	3423038	2	Pin	
18	3423042	1	Pin	
19	3760115	14	Ring, Retaining	
20	0761014	2	Screw M10 x 30	
21	4740531	15	Washer	
22	3760170	2	Ring, Split	
23	4812000	2	Washer M10	
24	3841143	2	Keeper, Pin	
25	3576093	1	Bar, Cable Carrier	
26	3291007	16	Nut M10	
27	2902455	1	Kit, 1930 Arm Weldments (Includes Items 2 - 11) (Not Shown)	

# SECTION 3 - SCISSOR ARMS

FIGURE 3-3. SCISSORS ARMS INSTALLATION - 1930ES STANDARD HYDRAULIC OIL (BELGIUM AND CHINA BUILT MACHINES)



ART\_1001131004

## SECTION 3 - SCISSOR ARMS

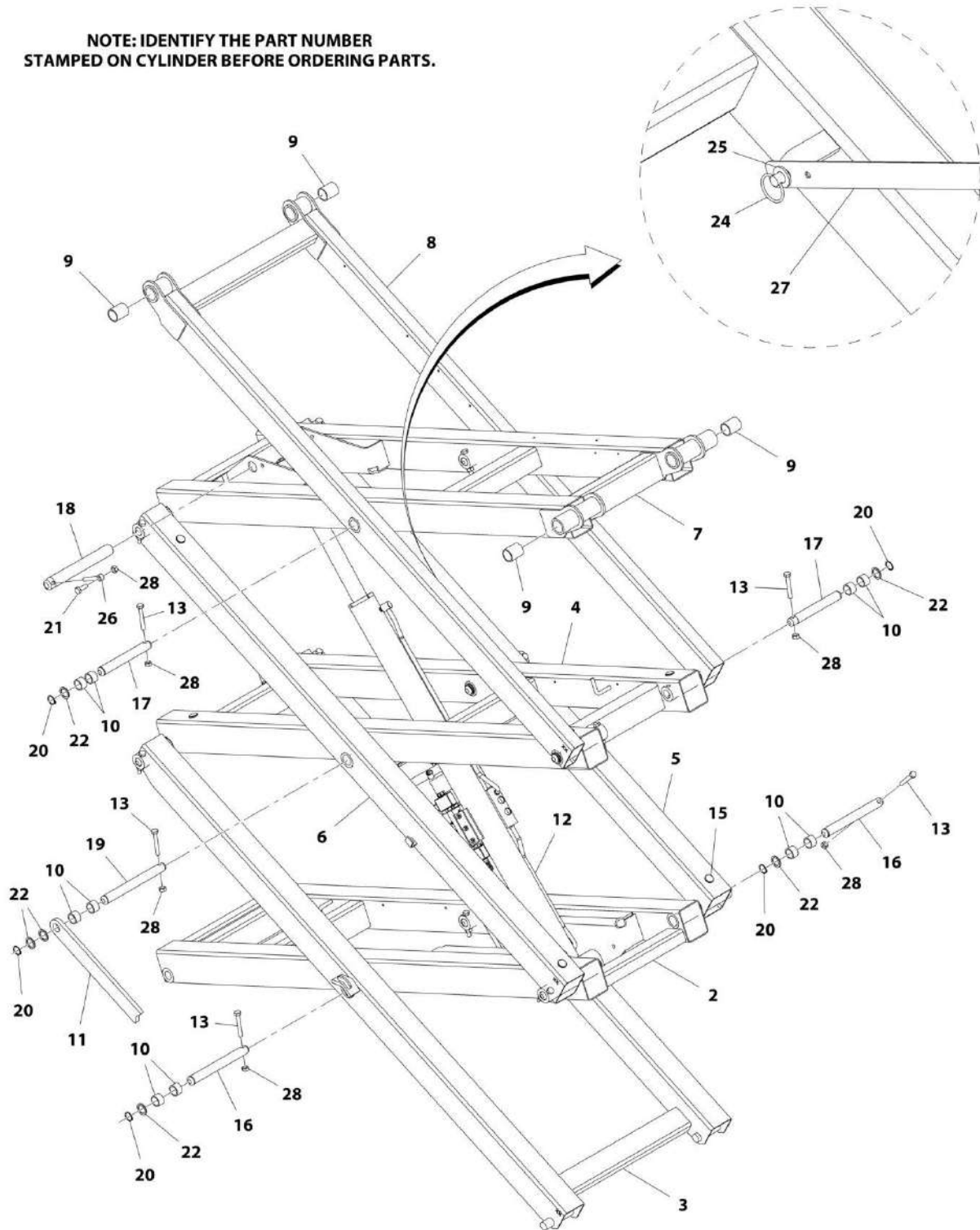
**FIGURE 3-3. SCISSORS ARMS INSTALLATION - 1930ES STANDARD HYDRAULIC OIL (BELGIUM AND CHINA BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131004	Ref	SCISSOR ARMS INSTALLATION - 1930ES STANDARD HYDRAULIC OIL (BELGIUM AND CHINA BUILT MACHINES)	B
1	1001131019	1	Arms Assembly (See SCISSOR ARMS ASSEMBLY - 1930ES STANDARD HYDRAULIC OIL (BELGIUM AND CHINA BUILT MACHINES) for Breakdown)	
2	0701022	1	Bolt M10 x 70	
3	3291005	1	Nut M10	
4	3340964	2	Pad, Slide	
5	3423239	1	Pin, Sensor	
8	1001092354	1	Switch, Rotary Angle Sensor	
10	3200454	1	Mount, Rotary Angle Sensor	
13	4191706	3	Screw M6 x 12	
15	1061036	1	Cable, Manual Descent	
15	7020218	1	T-Handle (1/4)	
15	70001878	1	T-Handle (M5)	
16	3321402	1	Nut 1/4 - 28	
17	4160078	1	Spring, Compression	
18	4420070	1	Tape - Anti Skid	

# SECTION 3 - SCISSOR ARMS

FIGURE 3-4. SCISSORS ARMS ASSEMBLY - 1930ES STANDARD HYDRAULIC OIL (BELGIUM AND CHINA BUILT MACHINES)

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



ART\_1001131019

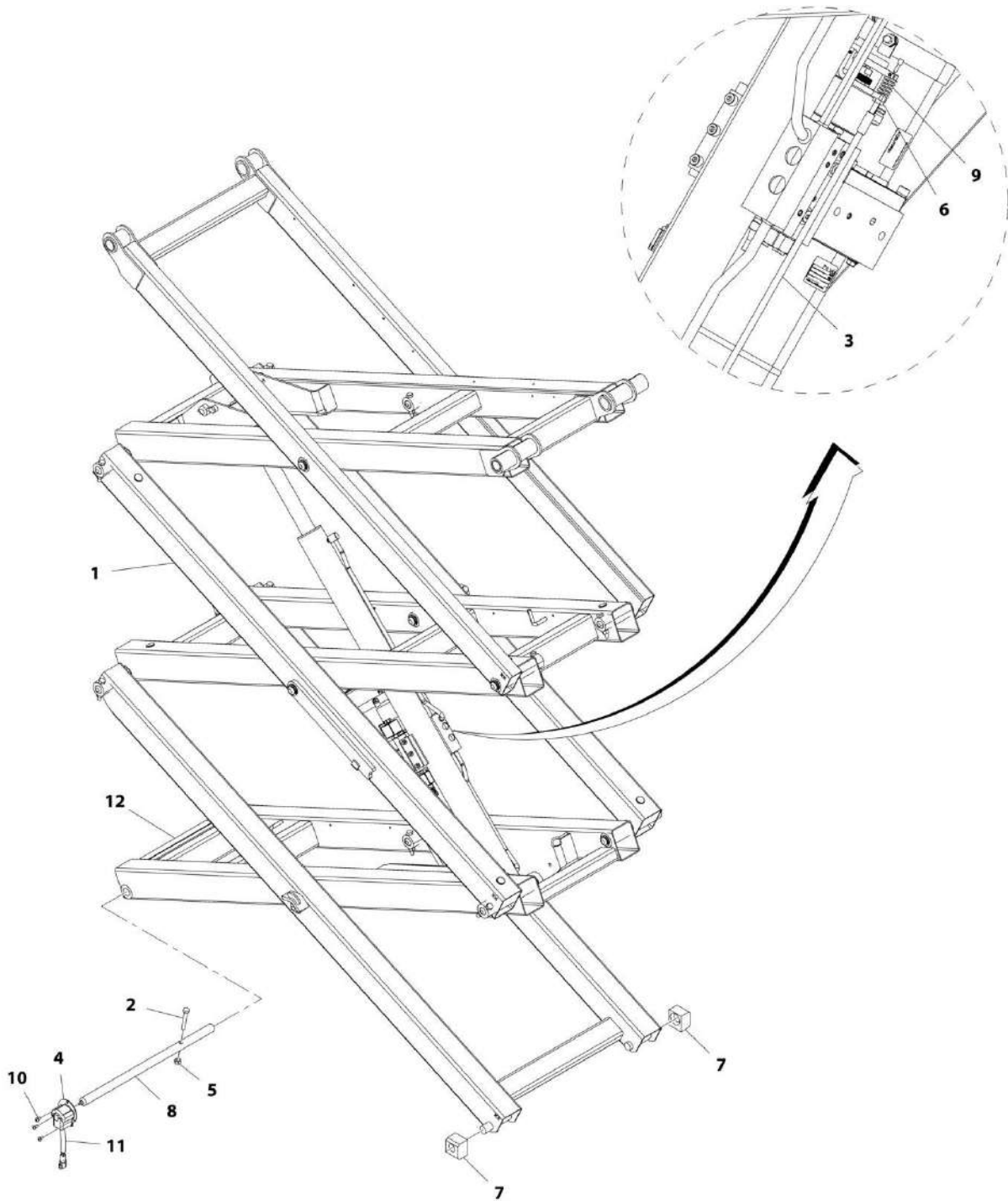
## SECTION 3 - SCISSOR ARMS

**FIGURE 3-4. SCISSORS ARMS ASSEMBLY - 1930ES STANDARD HYDRAULIC OIL (BELGIUM AND CHINA BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131019	Ref	SCISSOR ARMS ASSEMBLY - 1930ES STANDARD HYDRAULIC OIL (BELGIUM AND CHINA BUILT MACHINES)	C
2	0200825	1	Arm - Lower Inboard	
3	0200810	1	Arm - Lower Outboard	
4	0200824	1	Arm - Mid Inboard	
5	0200823	1	Arms - Mid Outboard	
6	0200822	1	Arm - Mid Outboard	
7	0200821	1	Arm - Top Inboard	
8	0200815	1	Arm - Top Outboard	
9	0440266	4	Bearing	
10	0440264	28	Bearing	
11	3574159	1	Plate, Safety Prop	
12	1001129288	NLA	Lift Cylinder Assembly - 1930ES Standard Hydraulic Oil (SH-PAC) (Use p/n 1001214270 (See CYLINDER SECTION for Breakdown) <b>(SN 0200239382 through 0200258871, SN B200020297 through B200032100, SN M200000100 through M200003501)</b>	
12	1001214270	1	Lift Cylinder Assembly - 1930ES Standard Hydraulic Oil (SH-PAC) <b>(SN 0200258872 to Present, SN 1200025021 to Present, SN B200032101 to Present, SN M200003502 to Present)</b>	
13	0701022	14	Bolt M10 x 70	
15	3340962	16	Pad, Arm	
16	3423031	9	Pin	
17	3423032	4	Pin	
18	3423038	2	Pin	
19	3423042	1	Pin	
20	3760115	14	Ring, Retaining	
21	0761014	2	Bolt M10 x 30	
22	4740531	15	Washer	
24	3760170	2	Ring, Split	
25	4812000	2	Washer M10	
26	3841143	2	Keeper, Pin	
27	3576093	1	Bar, Cable Carrier	
28	3291007	16	Nut M10	
29	2902455	1	Kit, 1930ES Arm Weldments (Includes Items 2 - 11) (Not Shown)	

# SECTION 3 - SCISSOR ARMS

FIGURE 3-5. SCISSORS ARMS INSTALLATION - 1930ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES)



ART\_1001131009



## SECTION 3 - SCISSOR ARMS

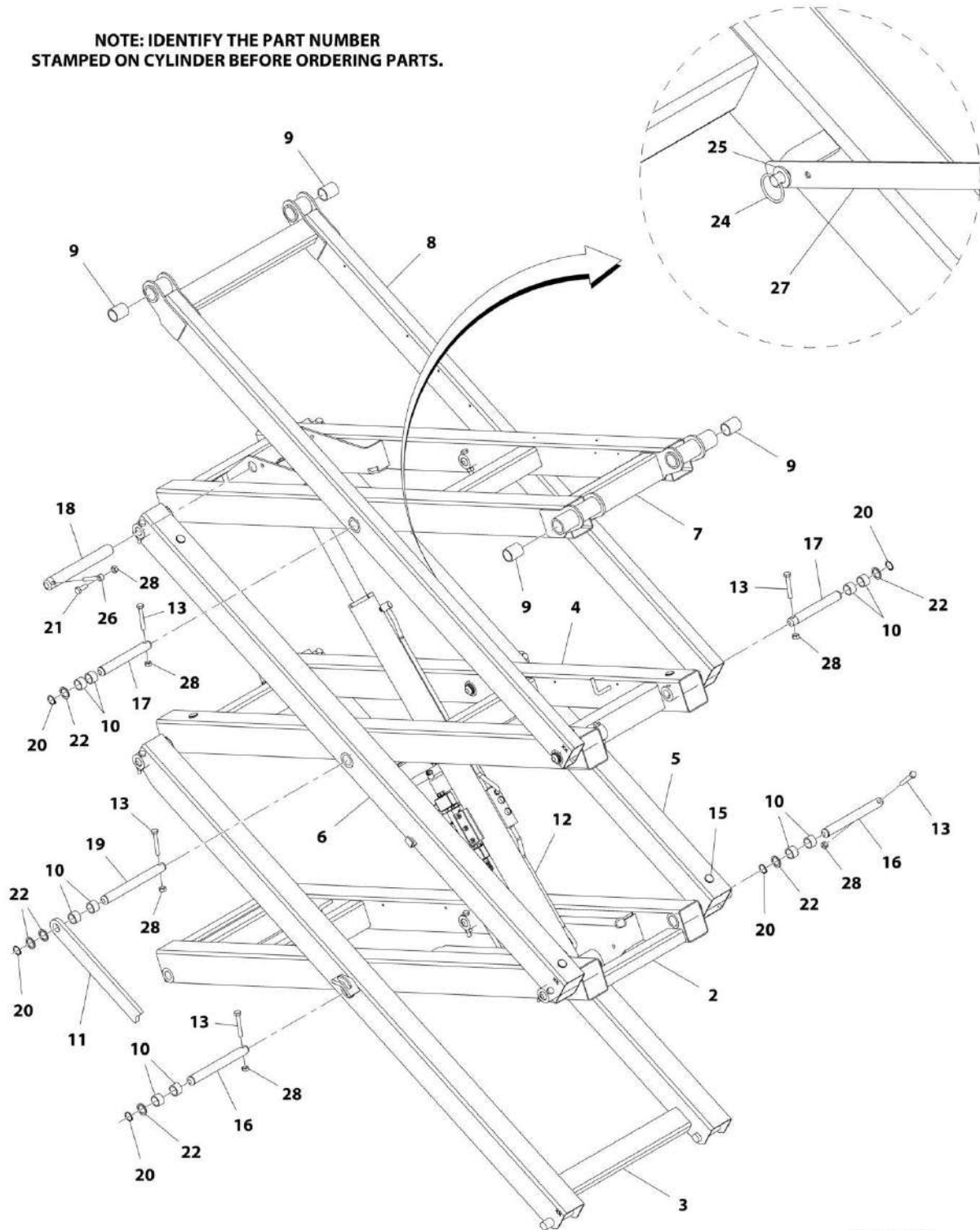
**FIGURE 3-5. SCISSORS ARMS INSTALLATION - 1930ES BIODEGRADEABLE HYDRAULIC OIL  
(CHINA BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131009	Ref	SCISSOR ARMS INSTALLATION - 1930ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES)	B
1	1001131027	1	See SCISSORS ARMS ASSEMBLY - 1930ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) for Breakdown)	
2	0701022	1	Bolt M10 x 70	
3	1061036	1	Cable, Manual Descent	
3	7020218	1	T-Handle (1/4)	
3	70001878	1	T-Handle (M5)	
4	3200454	1	Mount, Switch	
5	3291005	1	Nut M10	
6	3321402	1	Nut 1/4 - 28	
7	3340964	2	Pad, Slide	
8	3423239	1	Pin, Sensor	
9	4160078	1	Spring, Compression	
10	4191706	3	Screw M6 x 12	
11	1001092354	1	Switch, Rotary Angle Sensor	
12	4420070	1	Tape, Anti - Skid	

# SECTION 3 - SCISSOR ARMS

FIGURE 3-6. SCISSORS ARMS ASSEMBLY - 1930ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES)

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



ART\_1001131027

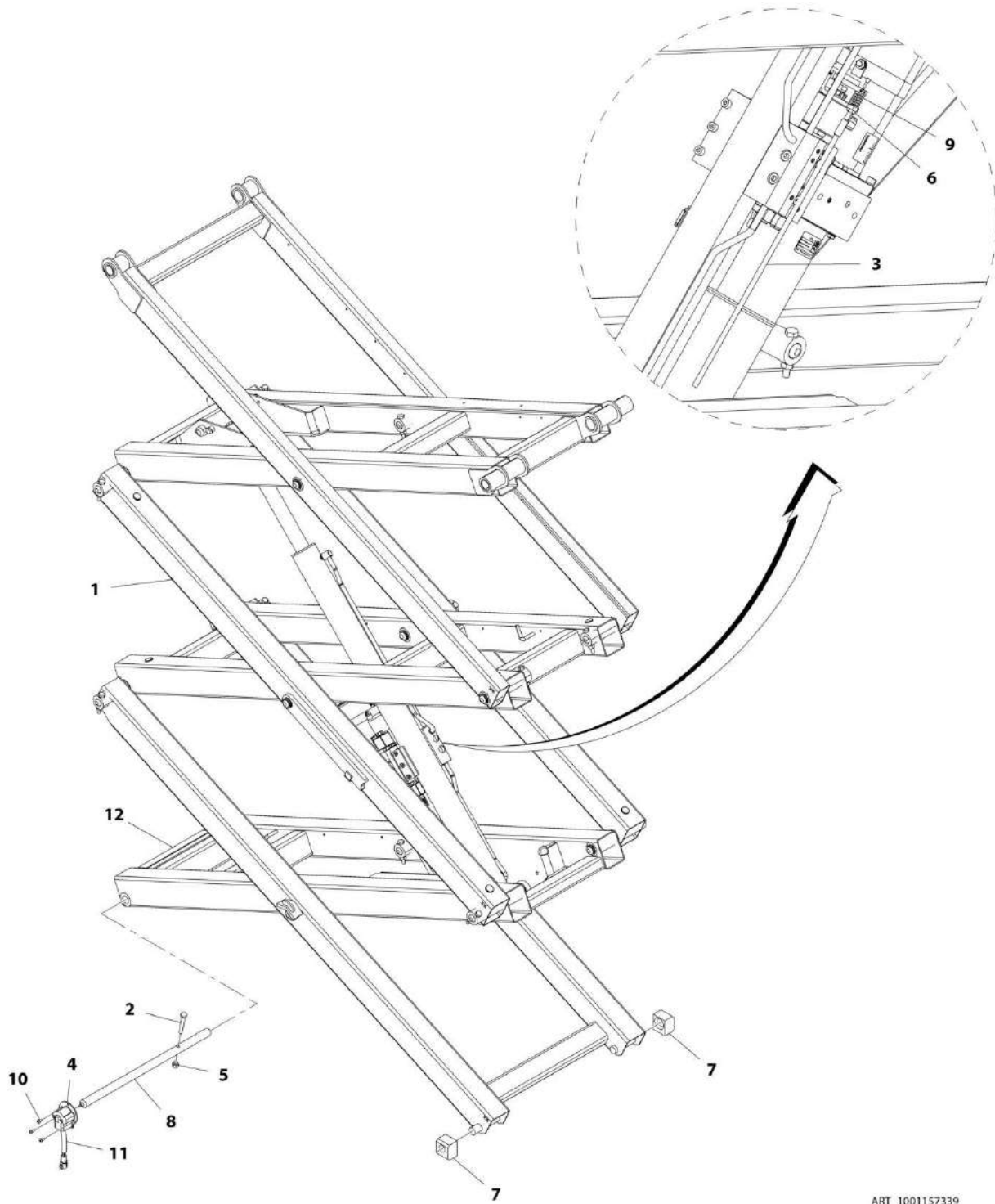
## SECTION 3 - SCISSOR ARMS

**FIGURE 3-6. SCISSORS ARMS ASSEMBLY - 1930ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131027	Ref	SCISSOR ARMS ASSEMBLY - 1930ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES)	D
2	0200825	1	Arm - Lower Inboard	
3	0200810	1	Arm - Lower Outboard	
4	0200824	1	Arm - Mid Inboard	
5	0200823	1	Arms - Mid Outboard	
6	0200822	1	Arm - Mid Outboard	
7	0200821	1	Arm - Top Inboard	
8	0200815	1	Arm - Top Outboard	
9	0440266	9	Bearing	
10	0440264	28	Bearing	
11	3574159	1	Plate, Safety Prop	
12	1001131033	1	Lift Cylinder Assembly - 1930ES Biodegradable Hydraulic Oil (China Built Machines) (SH-PAC) (See CYLINDER SECTION for Breakdown)	
13	0701022	14	Screw M10 x 70	
15	3340962	16	Pad, Arm	
16	3423031	9	Pin	
17	3423032	4	Pin	
18	3423038	2	Pin	
19	3423042	1	Pin	
20	3760115	14	Ring, Retaining	
21	0761014	2	Screw M10 x 30	
22	4740531	15	Washer	
24	3760170	2	Ring, Split	
25	4812000	2	Washer M10	
26	3841143	2	Keeper, Pin	
27	3576093	1	Bar, Prop Attach	
28	3291007	16	Nut, M10	
29	2902455	1	Kit, 1930 Arm Weldments (Includes Items 2 - 11) (Not Shown)	

# SECTION 3 - SCISSOR ARMS

FIGURE 3-7. SCISSORS ARMS INSTALLATION - 1930ES BIODEGRADABLE HYDRAULIC OIL (USA BUILT MACHINES)



ART\_1001157339

## SECTION 3 - SCISSOR ARMS

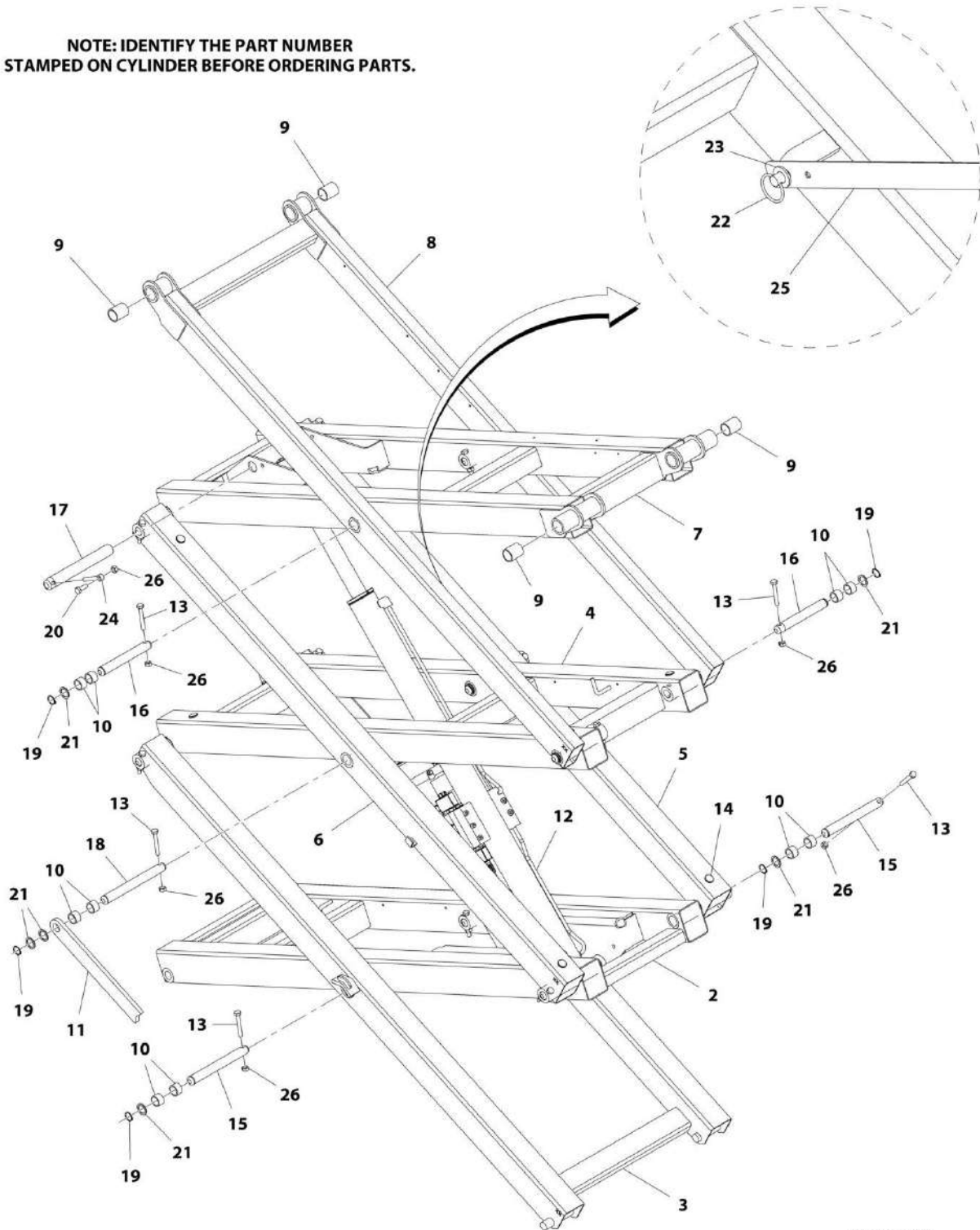
**FIGURE 3-7. SCISSORS ARMS INSTALLATION - 1930ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157339	Ref	SCISSOR ARMS INSTALLATION - 1930ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES)	A
1	1001157334	1	Arms Assembly (See SCISSOR ARMS ASSEMBLY - 1930ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) for Breakdown)	
2	0701022	1	Screw M10 x 70	
3	1061036	1	Cable, Manual Descent	
3	7020218	1	T-Handle (1/4)	
3	70001878	1	T-Handle (M5)	
4	3200454	1	Mount, Switch	
5	3291005	1	Nut M10	
6	3321402	1	Nut 1/4 - 28	
7	3340964	2	Pad, Slide	
8	3423239	1	Pin, Sensor	
9	4160078	1	Spring, Compression	
10	4191706	3	Screw M5 x 12	
11	1001092354	1	Switch, Rotary Angle Sensor	
12	4420070	1	Tape, Anti - Skid	

# SECTION 3 - SCISSOR ARMS

FIGURE 3-8. SCISSORS ARMS ASSEMBLY - 1930ES BIODEGRADABLE HYDRAULIC OIL (USA BUILT MACHINES)

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



ART\_1001157334

## SECTION 3 - SCISSOR ARMS

**FIGURE 3-8. SCISSORS ARMS ASSEMBLY - 1930ES BIODEGRADABLE HYDRAULIC OIL (USA BUILT MACHINES)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157334	Ref	SCISSOR ARMS ASSEMBLY - 1930ES BIODEGRADABLE HYDRAULIC OIL (USA BUILT MACHINES)	A
2	0200825	1	Arm - Lower Inboard	
3	0200810	1	Arm - Lower Outboard	
4	0200824	1	Arm - Mid Inboard	
5	0200823	1	Arms - Mid Outboard	
6	0200822	1	Arm - Mid Outboard	
7	0200821	1	Arm - Top Inboard	
8	0200815	1	Arm - Top Outboard	
9	0440266	4	Bearing	
10	0440264	28	Bearing	
11	3574159	1	Plate, Safety Prop	
12		Ref	Lift Cylinder Assembly - Biodegradeable Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
	1684526	1	Lift Cylinder Assembly - Texas Hydraulics	
	1001157329	1	Lift Cylinder Assembly - Serta	
13	0701022	14	Screw M10 x 70	
14	3340962	16	Pad, Arm	
15	3423031	9	Pin	
16	3423032	4	Pin	
17	3423038	2	Pin	
18	3423042	1	Pin	
19	3760115	14	Ring, Retaining	
20	0761014	2	Screw M10 x 30	
21	4740531	15	Washer	
22	3760170	2	Ring, Split	
23	4812000	2	Washer M10	
24	3841143	2	Keeper, Pin	
25	3576093	1	Bar, Prop Attach	
26	3291007	16	Nut M10	
27	2902455	1	Kit, 1930 Arm Weldments (Includes Items 2 - 11) (Not Shown)	

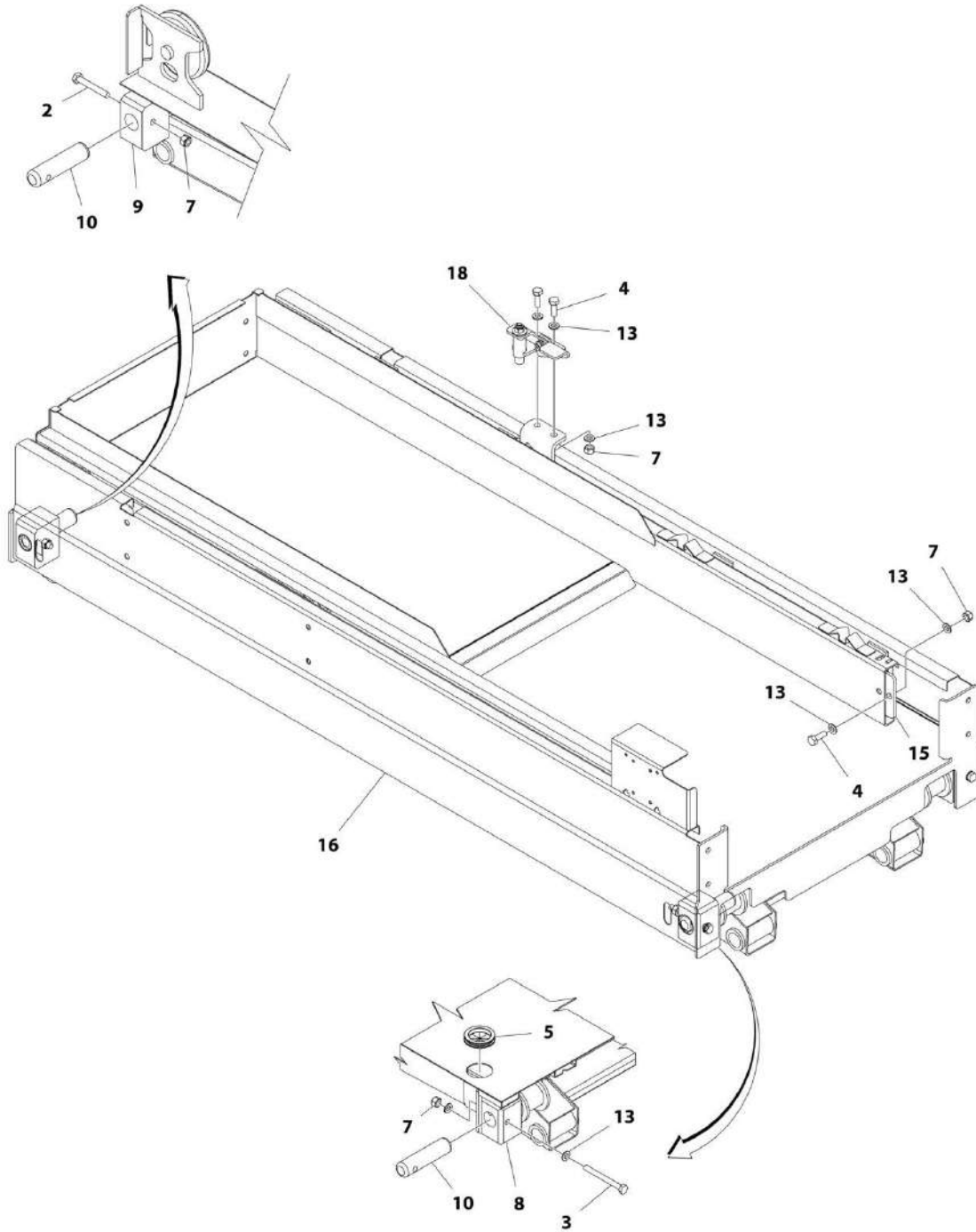




**SECTION 4 - PLATFORM**

# SECTION 4 - PLATFORM

FIGURE 4-1. PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITHOUT LSS



ART\_1001177175

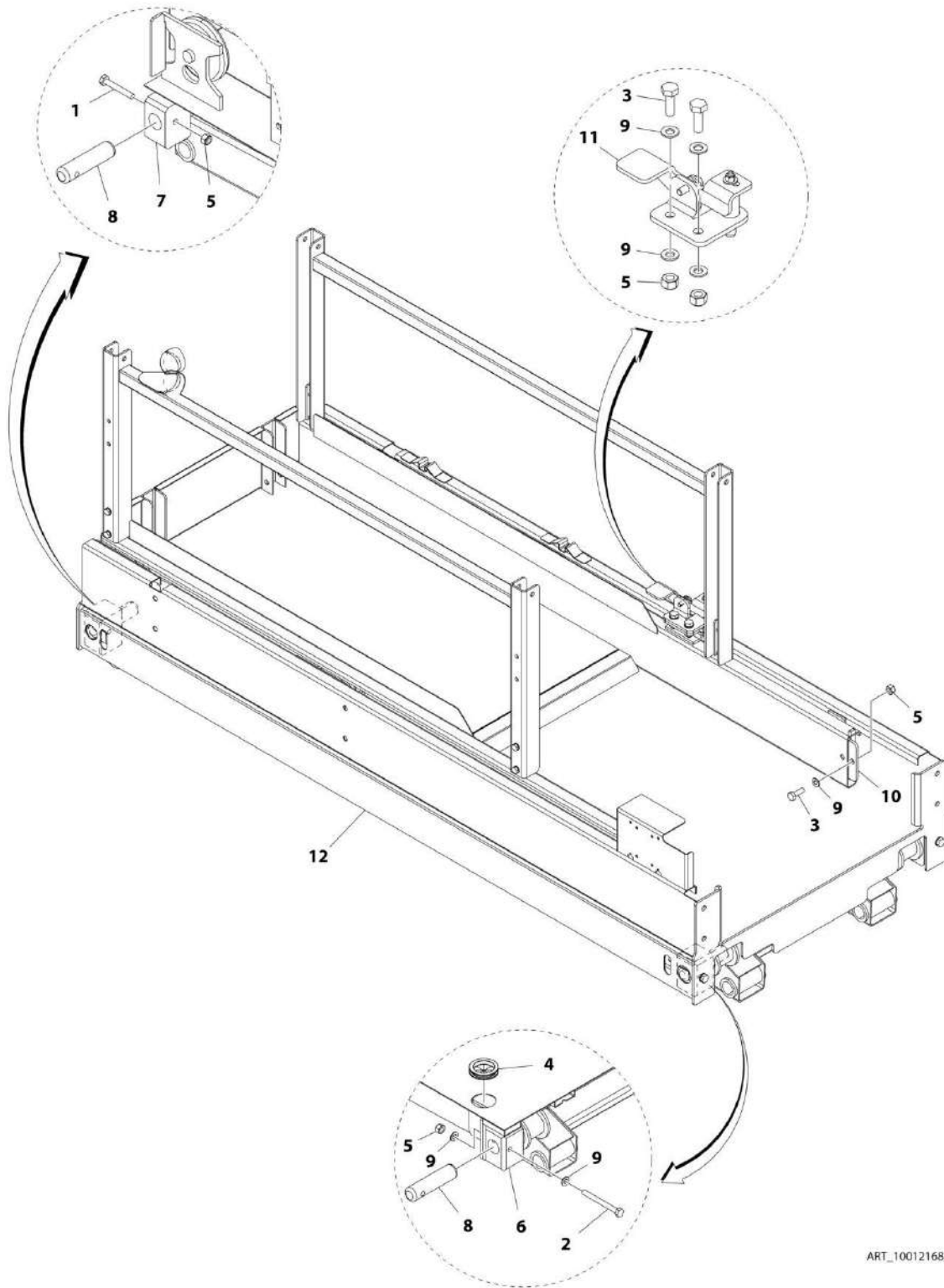
## SECTION 4 - PLATFORM

**FIGURE 4-1. PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITHOUT LSS**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177175	Ref	PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITHOUT LSS	F
2	0701022	2	Bolt M10 x 70	
3	0701027	2	Bolt M10 x 100	
4	0761014	4	Bolt M10 x 30	
5	2540045	1	Grommet	
7	3291005	8	Nut M10	
8	3340965	2	Block, Slide	
9	3340976	2	Block, Slide	
10	3423049	4	Pin, Latch	
13	4812000	10	Washer M10	
15	1001175188	2	Bracket, Stop	
16	1001175463	1	Platform and Extension Assembly - With Inside Extension Rails (See PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAIL for Breakdown)	
18	1001182302	1	Latch Assembly - With Inside Extension Rails (See LATCH ASSEMBLY - WITH INSIDE EXTENSION RAIL for Breakdown) <b>(SN 1200025021 through 1200030223, SN B200020297 through B200051193, SN M200000100 through M200021475)</b>	
18	1001234398	1	Latch Assembly - With Inside Extension Rails (See LATCH ASSEMBLY - WITH INSIDE EXTENSION RAIL for Breakdown) <b>(SN 1200030224 to Present, SN B200051194 to Present, SN M200021476 to Present)</b>	

# SECTION 4 - PLATFORM

FIGURE 4-2. PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITHOUT LSS



ART\_1001216829

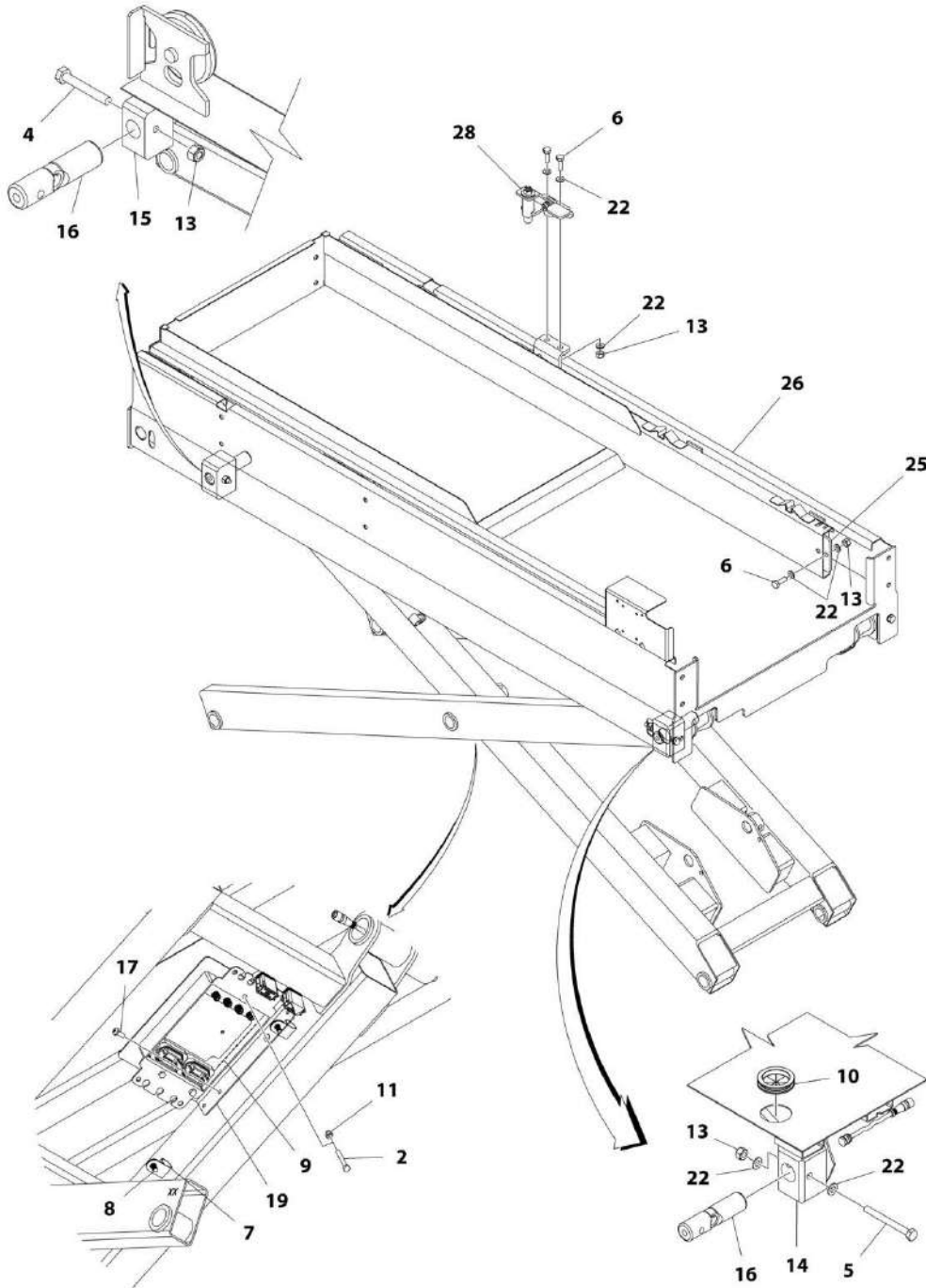
## SECTION 4 - PLATFORM

**FIGURE 4-2. PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITHOUT LSS**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216829	Ref	PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITHOUT LSS	A
1	0701022	2	Bolt M10 x 70	
2	0701027	2	Bolt M10 x 100	
3	0761014	4	Bolt M10 x 30	
4	2540045	1	Grommet	
5	3291005	8	Nut M10	
6	0561513	2	Block, Upper Slide	
7	3340976	2	Block, Upper Slide	
8	3423049	4	Pin, Latch	
9	4812000	10	Washer M10	
10	1001175188	2	Bracket, Stop	
11	1001209256	1	Latch Assembly - With Outside Extension Rails (See LATCH ASSEMBLY - WITH OUTSIDE EXTENSION RAILS for Breakdown)	
12	1001215239	1	Platform and Extension Assembly - With Outside Extension Rails (See PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS for Breakdown)	

# SECTION 4 - PLATFORM

FIGURE 4-3. PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITH LSS



ART\_1001177176

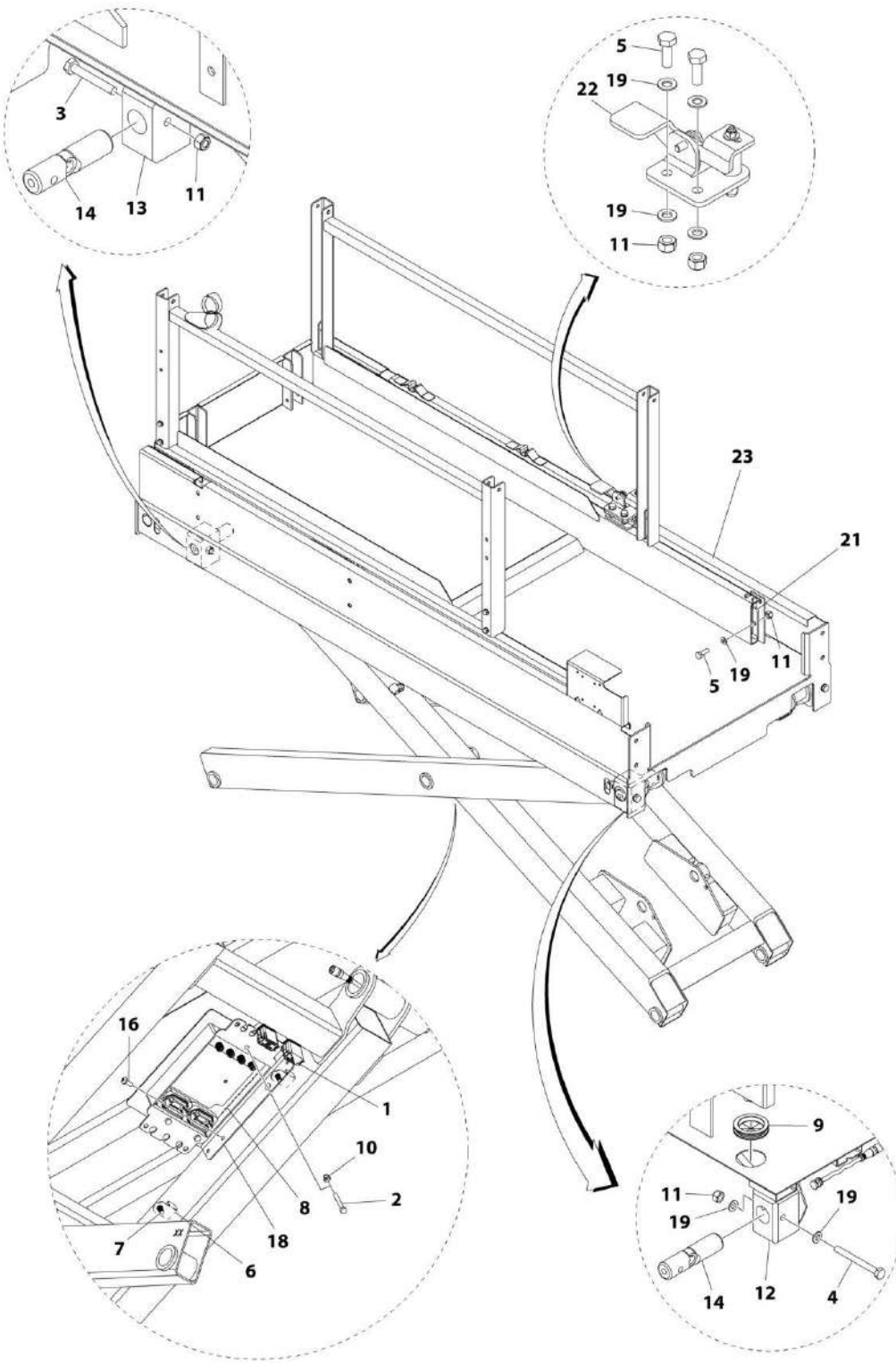
## SECTION 4 - PLATFORM

**FIGURE 4-3. PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITH LSS**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177176	Ref	PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITH LSS	E
1	0100048	AR	Grease, Dielectric	
2	0700617	3	Bolt M6 x 45	
4	0701022	2	Bolt M10 x 70	
5	0701027	2	Bolt M10 x 100	
6	0761014	4	Bolt M10 x 30	
7	1320318	2	Clamp	
8	1380158	2	Clip	
9	1600387	1	Controller, Load Sense	
10	2540045	1	Grommet	
11	3290606	3	Nut M6	
13	3291005	8	Nut M10	
14	3340965	2	Block, Slide	
15	3340976	2	Block, Slide	
16	3422938	4	Pin	
17	4191707	2	Screw M6 x 16	
18	4240033	AR	Tie-Strap (Not Shown)	
19	4340931	1	Mount, LSS Module	
22	4812000	10	Washer M10	
23	4923228	1	Harness, Load Sense (Not Shown - See ELECTRICAL SECTION for Breakdown)	
25	1001175188	2	Bracket, Stop	
26	1001175463	1	Platform and Extension Assembly - With Inside Extension Rails (See PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAIL for Breakdown)	
28	1001182302	1	Latch Assembly - With Inside Extension Rails (See LATCH ASSEMBLY - WITH INSIDE EXTENSION RAIL for Breakdown) <b>(SN 1200025021 through 1200030223, SN B200020297 through B200051193, SN M200000100 through M200021475)</b>	
28	1001234398	1	Latch Assembly - With Inside Extension Rails (See LATCH ASSEMBLY - WITH INSIDE EXTENSION RAIL for Breakdown) <b>(SN 1200030224 to Present, SN B200051194 to Present, SN M200021476 to Present)</b>	

# SECTION 4 - PLATFORM

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



ART\_1001216831



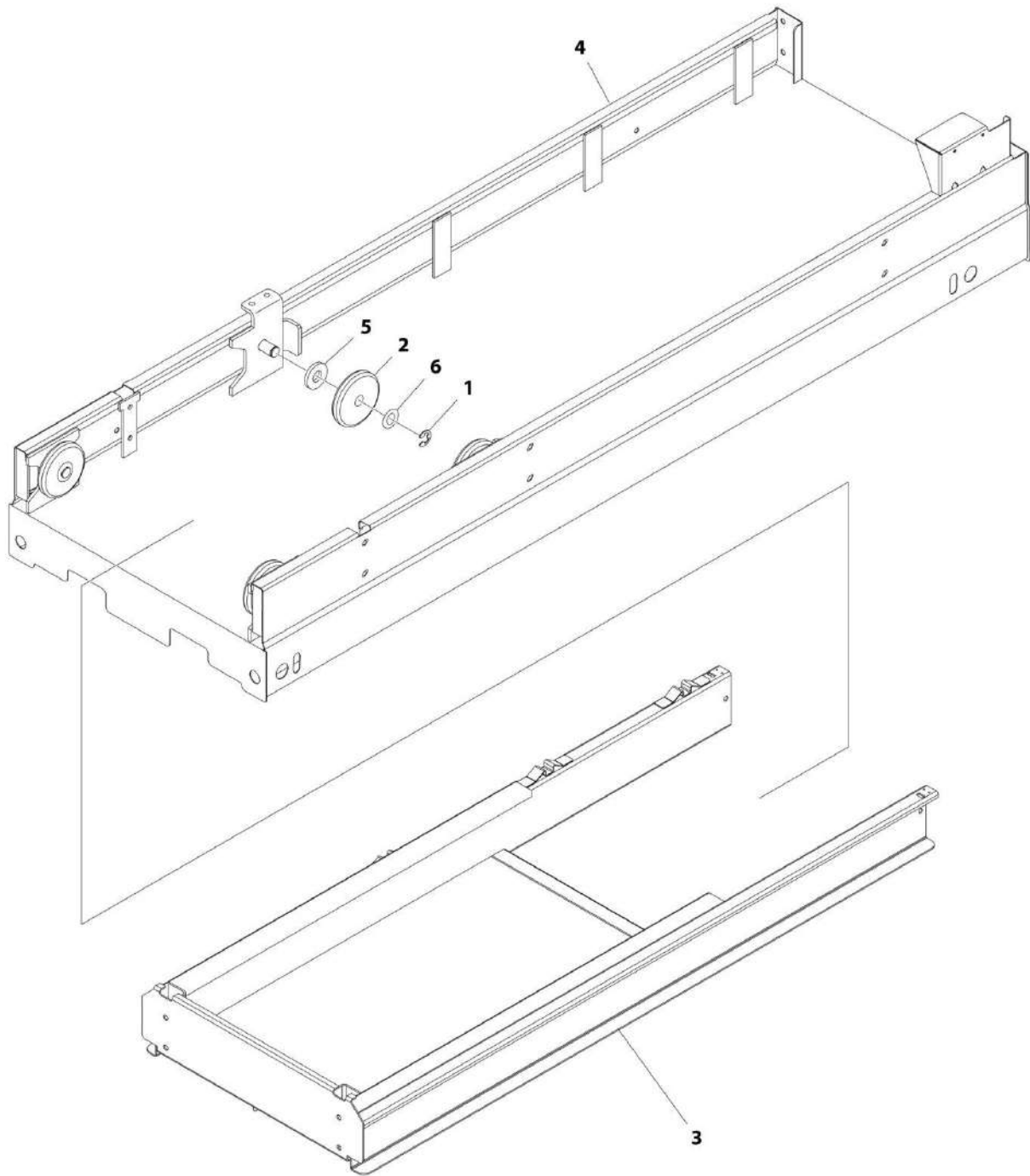
## SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216831	Ref	PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITH LSS	A
1	0100048	AR	Grease, Dielectric	
2	0700617	3	Bolt M6 x 45	
3	0701022	2	Bolt M10 x 70	
4	0701027	2	Bolt M10 x 100	
5	0761014	4	Bolt M10 x 30	
6	1320318	2	Clamp	
7	1380158	2	Clip	
8	1600387	1	Controller, Load Sense	
9	2540045	1	Grommet	
10	3290606	3	Nut M6	
11	3291005	8	Nut M10	
12	0561513	2	Block, Upper Slide	
13	3340976	2	Block, Upper Slide	
14	3422938	4	Pin	
16	4191707	2	Screw M6 x 16	
17	4240033	AR	Tie-Strap (Not Shown)	
18	3200456	1	Mount, Module	
19	4812000	10	Washer M10	
20	4923228	1	Harness, Load Sense (Not Shown - See ELECTRICAL SECTION for Breakdown)	
21	1001175188	2	Bracket, Stop	
22	1001209256	1	Latch Assembly - With Outside Extension Rails (See LATCH ASSEMBLY - WITH OUTSIDE EXTENSION RAILS for Breakdown)	
23	1001215239	1	Platform and Extension Assembly - With Outside Extension Rails (See PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS for Breakdown)	

# SECTION 4 - PLATFORM

FIGURE 4-5. PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAILS



ART\_1001175463

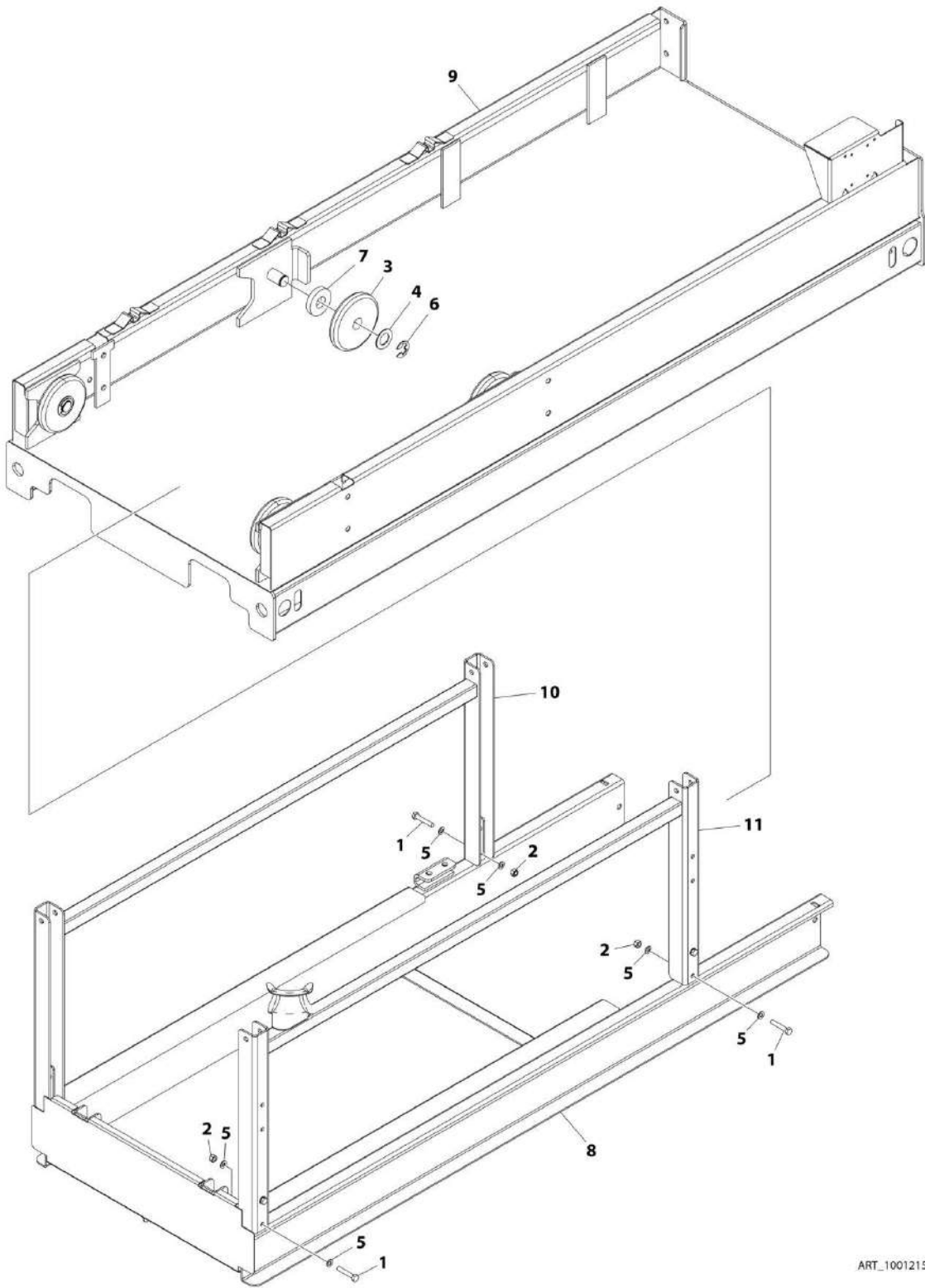
## SECTION 4 - PLATFORM

**FIGURE 4-5. PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAILS**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175463	Ref	PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAILS	M
1	1001182339	4	Clip	
2	3860118	4	Roller	
3	1001175290	1	Extension, Platform (SN 0200239382 to Present, SN 1200025021 through 1200030105, SN B200020297 through B200051292, SN M200000100 through M200019914)	
3	1001232145	1	Extension, Platform (SN 1200030106 to Present, SN B200051293 to Present, SN M200019915 to Present)	
4	1001175402	1	Platform	
5	1001182062	4	Tube, Spacer	
6	4740446	4	Washer, Thrust	

# SECTION 4 - PLATFORM

FIGURE 4-6. PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS



ART\_1001215239

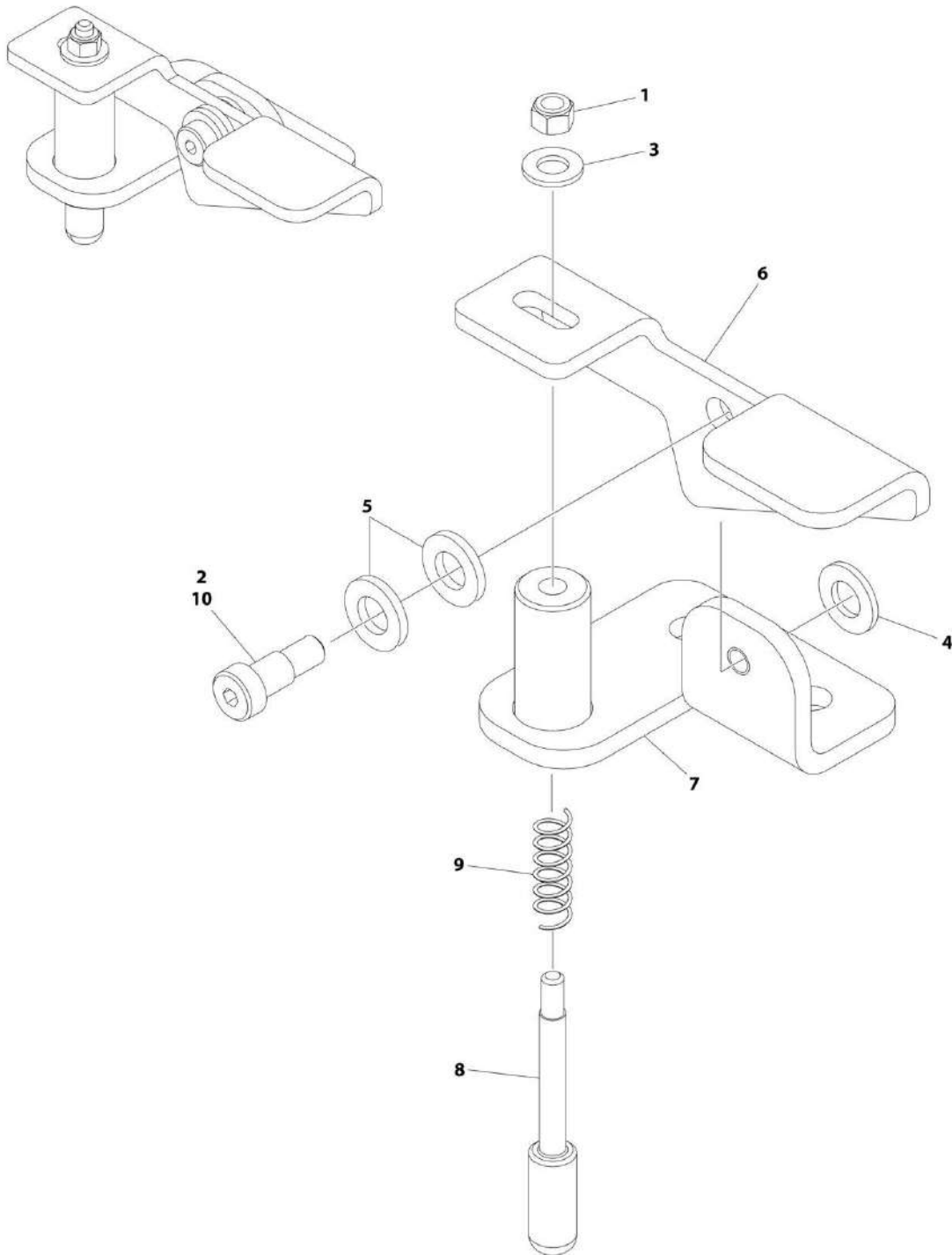
## SECTION 4 - PLATFORM

**FIGURE 4-6. PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215239	Ref	PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS	B
1	0700814	8	Bolt M8 x 30	
1	0700817	8	Bolt M8 x 45	
2	3290805	8	Nut M8	
3	3860118	4	Roller	
4	4740446	4	Washer, Thrust	
5	4811900	16	Washer M8	
6	1001182339	4	Clip	
7	1001211892	4	Tube, Spacer	
8	1001217730	1	Extension, Platform	
9	1001217745	1	Platform	
10	1001217923	1	Rail, Mid	
11	1001217924	1	Rail, Mid	

# SECTION 4 - PLATFORM

FIGURE 4-7. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS (SN 1200025021 through 1200030223, SN B200020297 through B200051193, SN M200000100 through M200021475)



ART\_1001182302

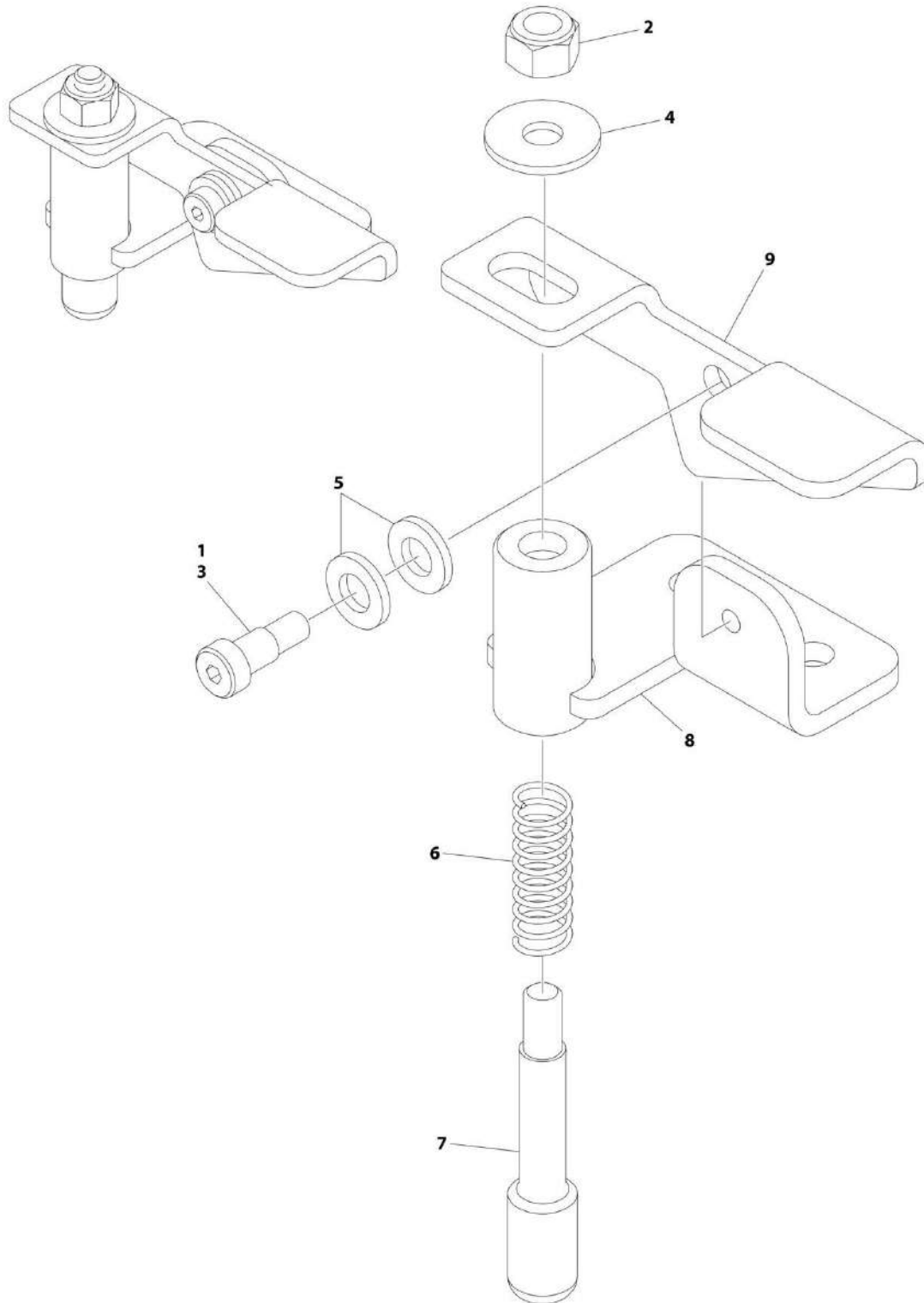
## SECTION 4 - PLATFORM

**FIGURE 4-7. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS (SN 1200025021 through 1200030223, SN B200020297 through B200051193, SN M200000100 through M200021475)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182302	Ref	LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS	G
1	3290605	1	Nut M6	
2	3900190	1	Screw	
3	4811900	1	Washer M8	
4	4812000	1	Washer M10	
5	5241000	2	Washer M10	
6	1001178323	1	Latch	
7	1001182304	1	Bracket	
8	1001182305	1	Rod, Threaded	
9	1001182338	1	Spring	
10	0100011	AR	Compound, Locking	

# SECTION 4 - PLATFORM

FIGURE 4-8. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS (SN 1200030224 to Present, SN B200051194 to Present, SN M200021476 to Present)



ART\_1001234398



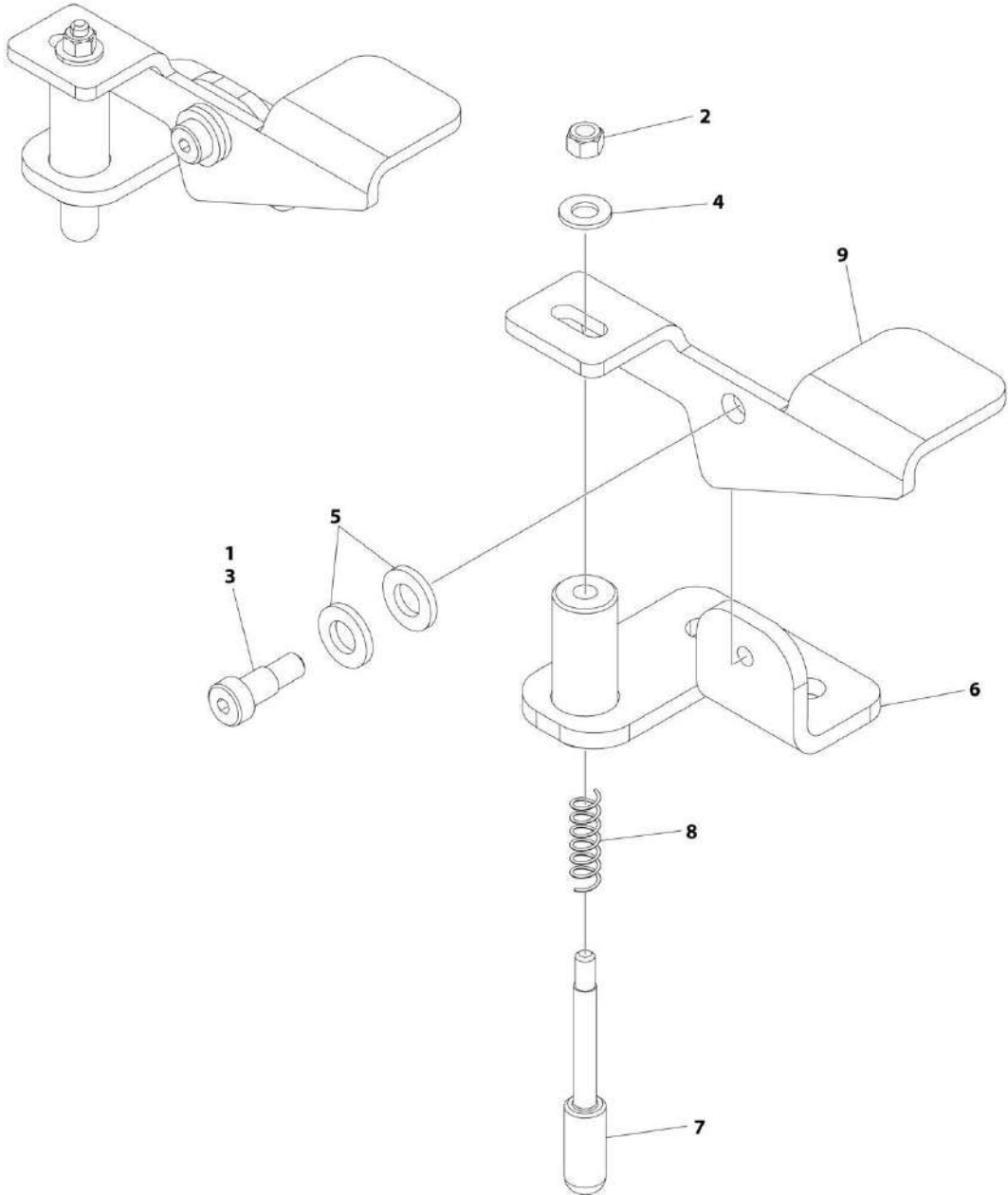
## SECTION 4 - PLATFORM

**FIGURE 4-8. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS (SN 1200030224 to Present, SN B200051194 to Present, SN M200021476 to Present)**

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	

**SECTION 4 - PLATFORM**

**FIGURE 4-9. LATCH ASSEMBLY - WITH OUTSIDE EXTENSION RAILS**



ART\_1001209256

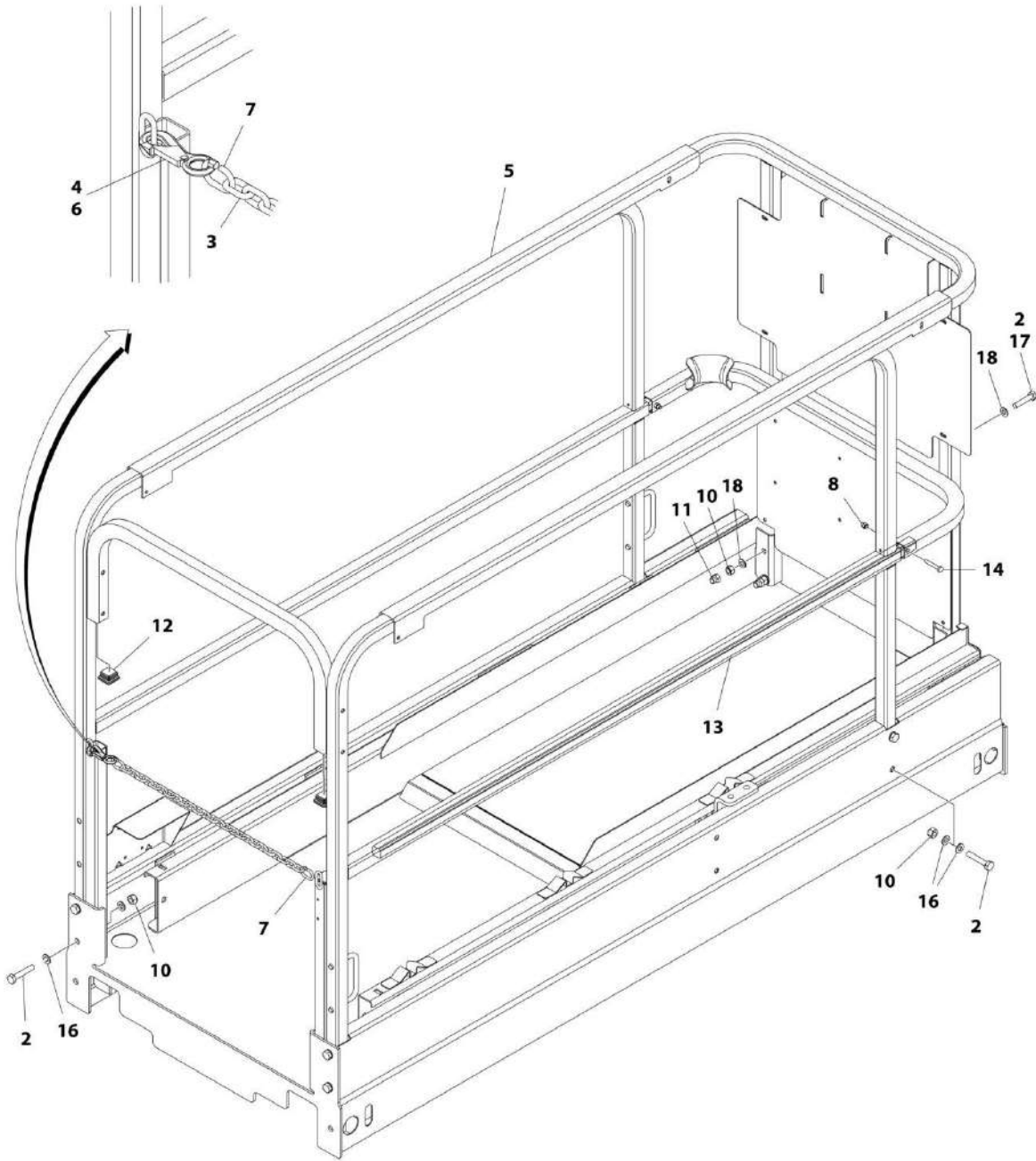
## SECTION 4 - PLATFORM

**FIGURE 4-9. 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	3290605	1	Nut M6	
2	3291005	1	Nut M10	
3	3900190	1	Screw	
4	4811900	1	Washer M8	
4	4812000	1	Washer M10	
4	4812002	1	Washer M10	
5	5241000	2	Washer M10	
6	1001182304	1	Bracket (SN 0200239382 through 0200266381, SN 1200025021 through 1200030068, SN B200020297 through B300049127, SN M200000100 through M200021508)	
6	1001234399	1	Bracket (SN 0200266382 to Present, SN 1200030069 to Present, SN B200049128 to Present, SN M200021509 to Present)	
7	1001182305	1	Rod, Threaded (SN 0200239382 through 0200266381, SN 1200025021 through 1200030068, SN 0200239382 through 0200264493, SN B200020297 through B300049127)	
7	1001221476	1	Rod, Threaded (SN 0200266382 to Present, SN 1200030069 to Present, SN 0200264494 to Present, SN B200041198 to Present, SN M200000100 to Present)	
8	1001182338	1	Spring (SN 0200239382 through 0200266381, SN 1200025021 through 1200030068, SN 0200239382 through 0200264493, SN B200020297 through B300049127)	
8	1001221475	1	Spring (SN 0200266382 to Present, SN 1200030069 to Present, SN 0200264494 to Present, SN B200041198 to Present, SN M200000100 to Present)	
9	1001209280	1	Latch	

# SECTION 4 - PLATFORM

FIGURE 4-10. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND CHAIN GATE



ART\_1001176740

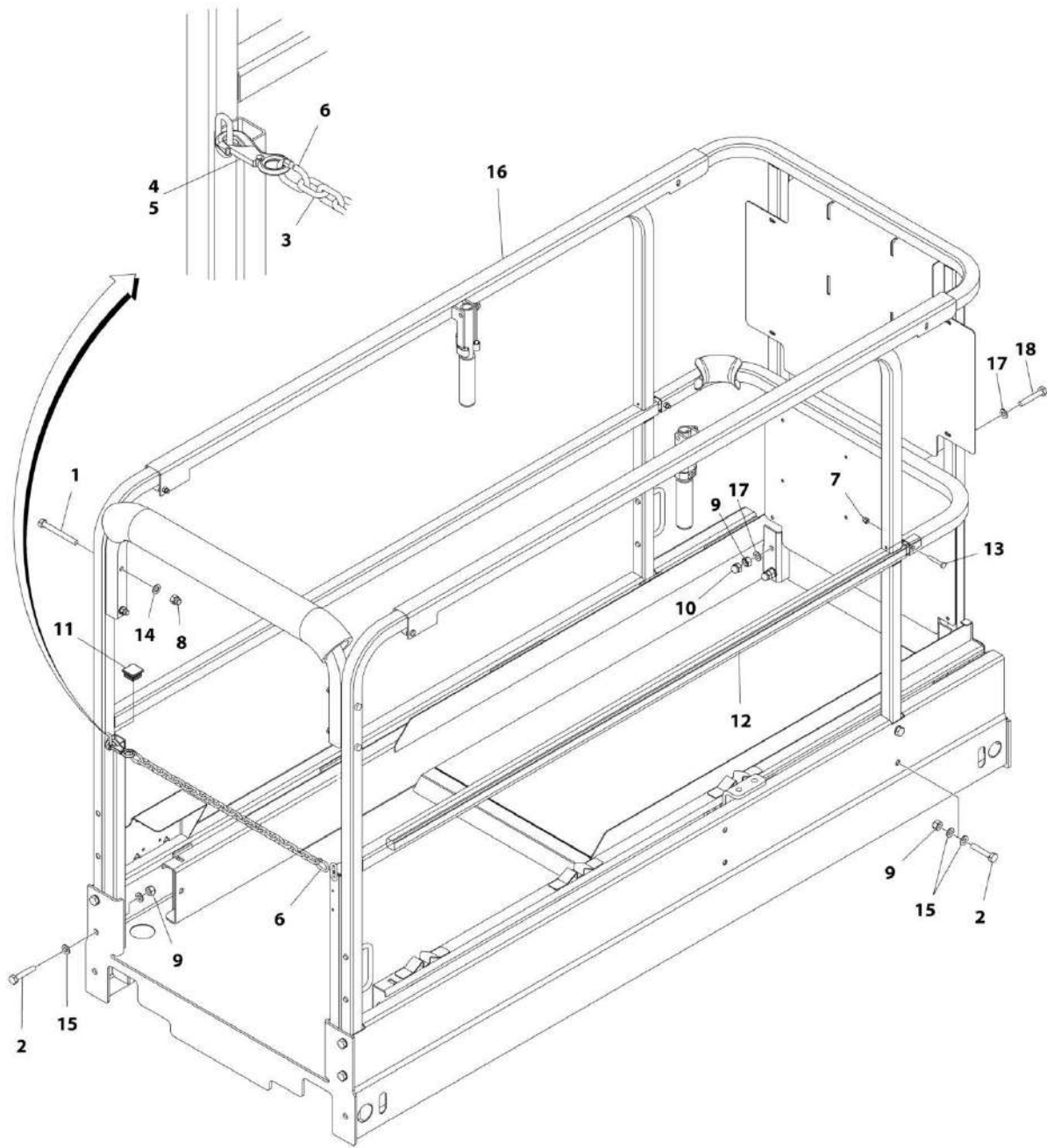
## SECTION 4 - PLATFORM

**FIGURE 4-10. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND CHAIN GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176740	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND CHAIN GATE	G
2	0701019	AR	Bolt M10 x 55	
3	1260136	21 in/ .53m	Chain	
4	2820097	20 in/ .5m	Cover, Chain	
5	1001188882	1	Rail Kit - Chain Gate (See RAIL KIT - CHAIN GATE for Breakdown)	
6	2940064	1	Latch, Snap	
7	3010088	2	Link	
8	3290606	2	Nut M6	
10	3291005	AR	Nut M10	
11	3300477	4	Nut	
11	3291006	4	Nut M10	
12	3520072	3	Plug	
13	3841716	2	Rod, Fiberglass	
14	4010616	2	Screw M6 x 40	
16	4812000	AR	Washer M10	
17	0701019	4	Bolt M10 x 55	
17	0701018	4	Bolt M10 x 50	
18	4812000	8	Washer M10	
18	4812002	8	Washer M10	

# SECTION 4 - PLATFORM

FIGURE 4-11. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE



ART\_1001212850

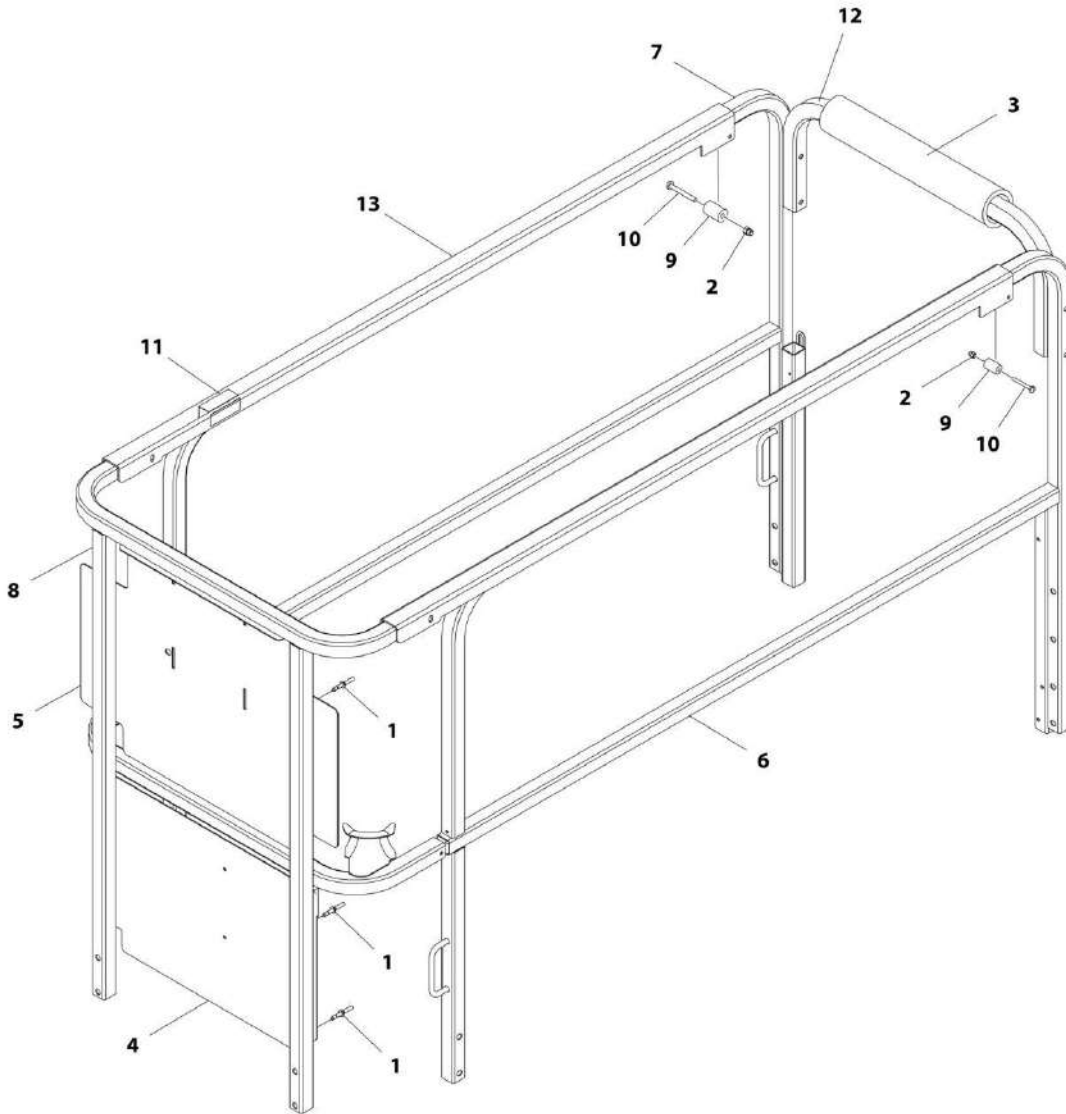
## SECTION 4 - PLATFORM

**FIGURE 4-11. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212850	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE	B
1	0700823	4	Bolt M8 x 75	
2	0701019	AR	Bolt M10 x 55	
3	1260136	21 in/ .53m	Chain	
4	2820097	20 in/ .5m	Cover, Chain	
5	2940064	1	Latch, Snap	
6	3010088	2	Link	
7	3290606	2	Nut M6	
8	3290806	4	Nut M8	
9	3291005	12	Nut M10	
10	3300477	4	Nut	
11	3520072	2	Cap	
12	3841716	2	Rod	
13	4010616	2	Screw M6 x 40	
14	4811900	4	Washer M8	
15	4812000	AR	Washer M10	
16	1001212863	1	Rail Kit - With Handle and Chain Gate (See RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE for Breakdown)	
17	4812000	8	Washer M10	
17	4812002	8	Washer M10	
18	0701019	4	Bolt M10 x 55	
18	0701021	4	Bolt M10 x 65	

# SECTION 4 - PLATFORM

FIGURE 4-12. RAIL KIT - WITH INSIDE EXTENSION RAILS AND CHAIN GATE



ART\_100188882



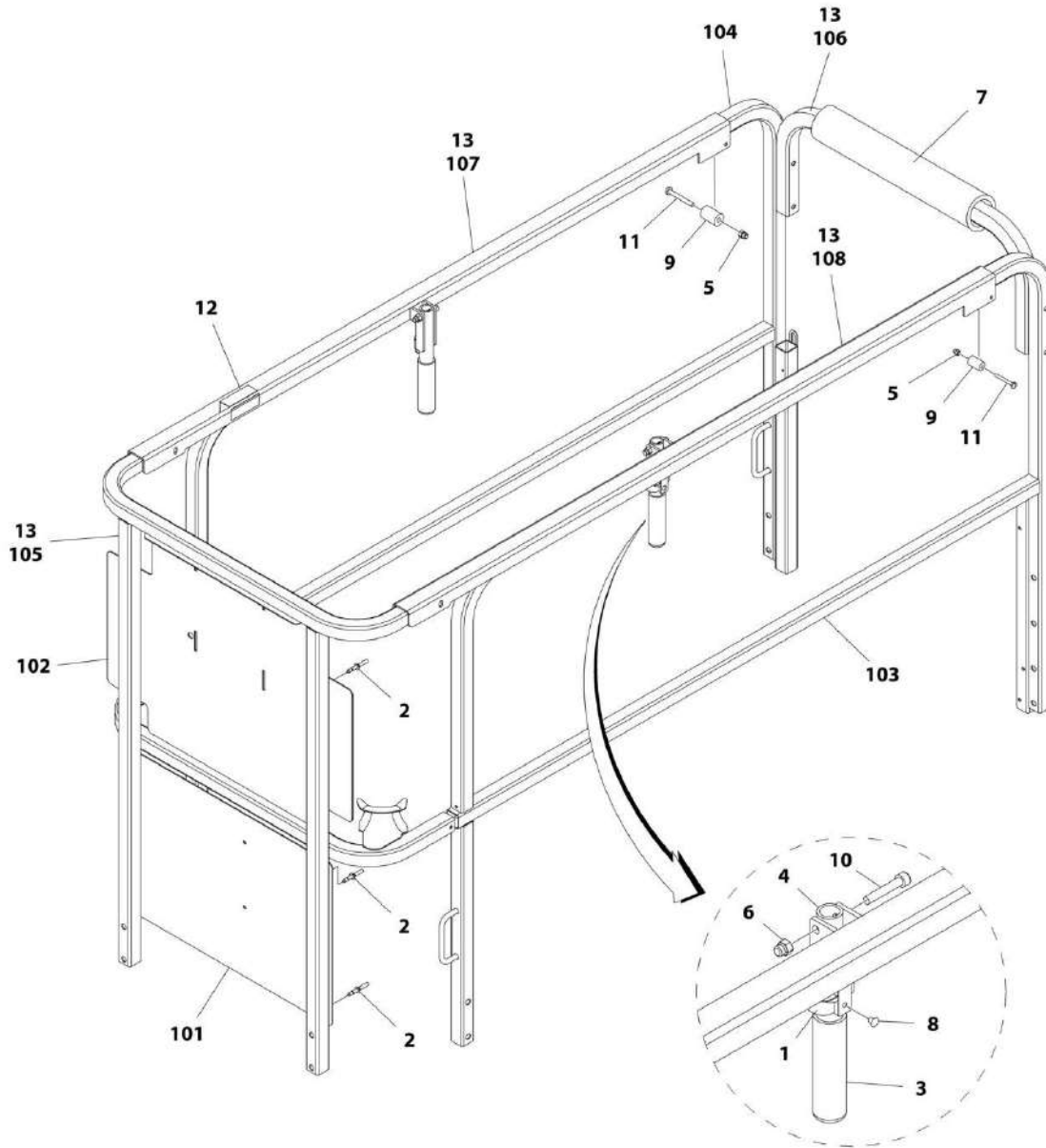
## SECTION 4 - PLATFORM

**FIGURE 4-12. RAIL KIT - WITH INSIDE EXTENSION RAILS AND CHAIN GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188882	Ref	RAIL KIT - WITH INSIDE EXTENSION RAILS AND CHAIN GATE	F
1	2080040	8	Fastener	
2	3290606	2	Nut M6	
3	3340612	18 in/ 46cm	Pad, Cover	
4	3574184	1	Plate, Lower Billboard (SN 0200239382 to Present, SN 120025021 through 1200030105, SN B200020297 through B200051292, SN M200000100 through M200019914)	
4	1001232637	1	Plate, Lower Billboard (SN 1200030106 to Present, SN B200051293 to Present, SN M200019915 to Present)	
5	3576645	1	Plate, Upper Billboard	
6	3641604	1	Rail, Left Side	
7	3641605	1	Rail, Right Side	
8	3641606	1	Rail, Extension	
9	3860111	2	Roller	
10	4010618	2	Screw M6 x 50	
11	1001189762	AR	Tape	
12	4569305	1	Tube, Drywall Gate	
13	1001182096	2	Channel, Top Rail Slide	
14	1001182099	1	Rail Kit - 1930ES Chain Gate (Includes Items 4-8 & 12-13) (Not Shown)	

# SECTION 4 - PLATFORM

FIGURE 4-13. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE



ART\_1001212863

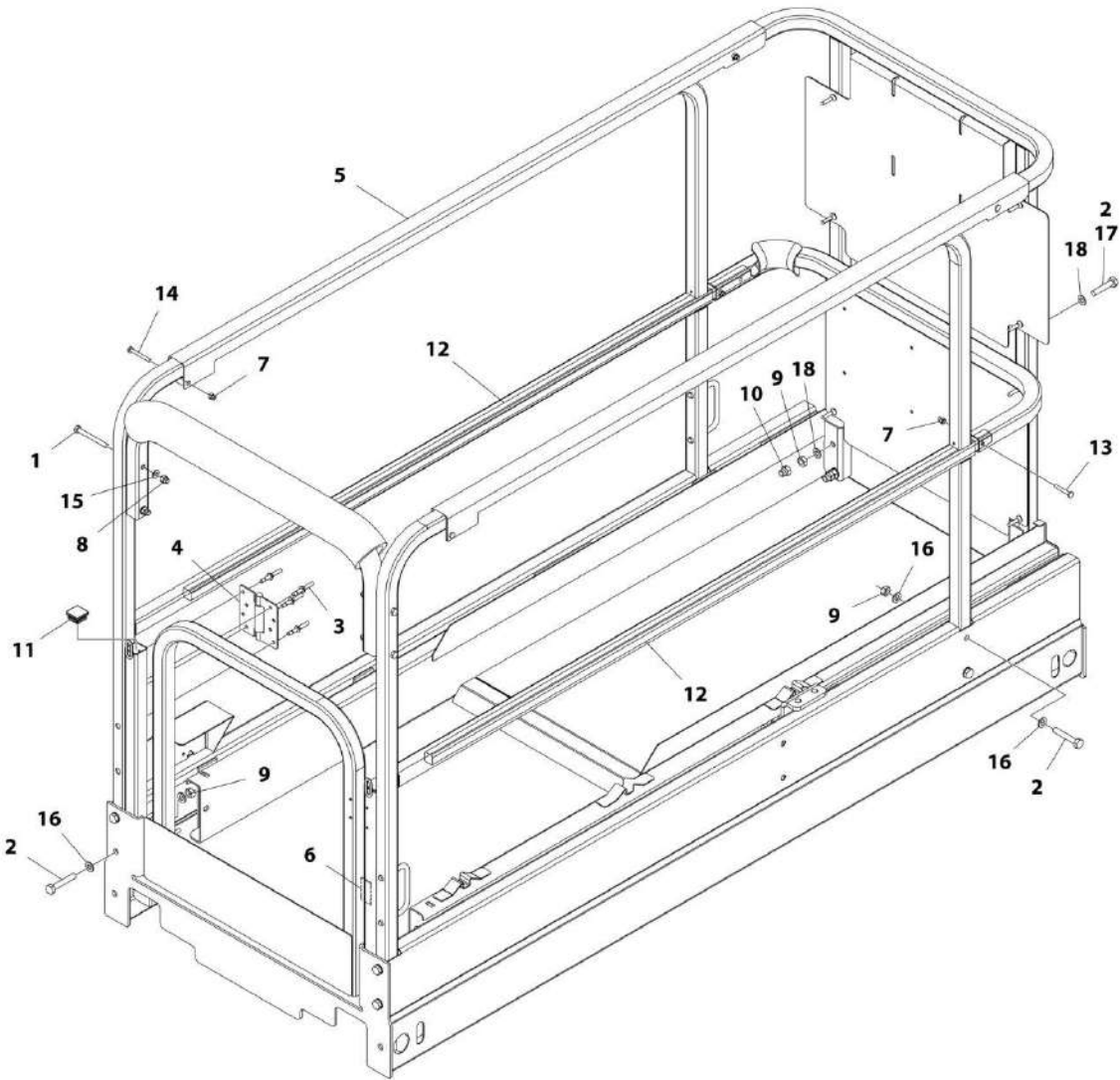
## SECTION 4 - PLATFORM

**FIGURE 4-13. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212863	Ref	RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE	C
1	1380132	2	Clip, Gripper	
2	2080040	8	Fastener, Huck	
3	2560088	2	Handle	
4	2560190	2	Handle, Platform	
5	3290606	2	Nut M6	
6	3290806	2	Nut M8	
7	3340612	18 in /45cm	Pad, Cover	
8	3820019	2	Rivet	
9	3860111	2	Roller	
10	3900345	2	Screw	
11	4010618	2	Screw M6 x 50	
12	1001189762	AR	Tape	
13	1001212860	1	Rail Kit (See 101-108 for Breakdown)	
	1001212860	Ref	RAIL KIT	D
101	3574184	1	Plate, Lower Billboard ( <b>SN 0200239382 to Present, SN 120025021 through 1200030105, SN B200020297 through B200051292, SN M200000100 through M200019914</b> )	
101	1001232637	1	Plate, Lower Billboard ( <b>SN 1200030106 to Present, SN B200051293 to Present, SN M200019915 to Present</b> )	
102	3576645	1	Plate, Upper Billboard	
103	3641604	1	Rail, Left Side ( <b>SN B200020297 through B200052394, SN M200000100 through M200027027</b> )	
103	1001241857	1	Rail, Left Side ( <b>SN B200052395 to Present, SN M200027028 to Present</b> )	
104	3641605	1	Rail, Right Side ( <b>SN B200020297 through B200052394, SN M200000100 through M200027027</b> )	
104	1001241858	1	Rail, Right Side ( <b>SN B200052395 to Present, SN M200027028 to Present</b> )	
105	3641606	1	Rail, Extension Platform	
106	4569305	1	Tube, Drywall Gate	
107	1001212861	1	Rail, Top Left Side	
108	1001212862	1	Rail, Top Right Side	

# SECTION 4 - PLATFORM

FIGURE 4-14. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART\_1001176737

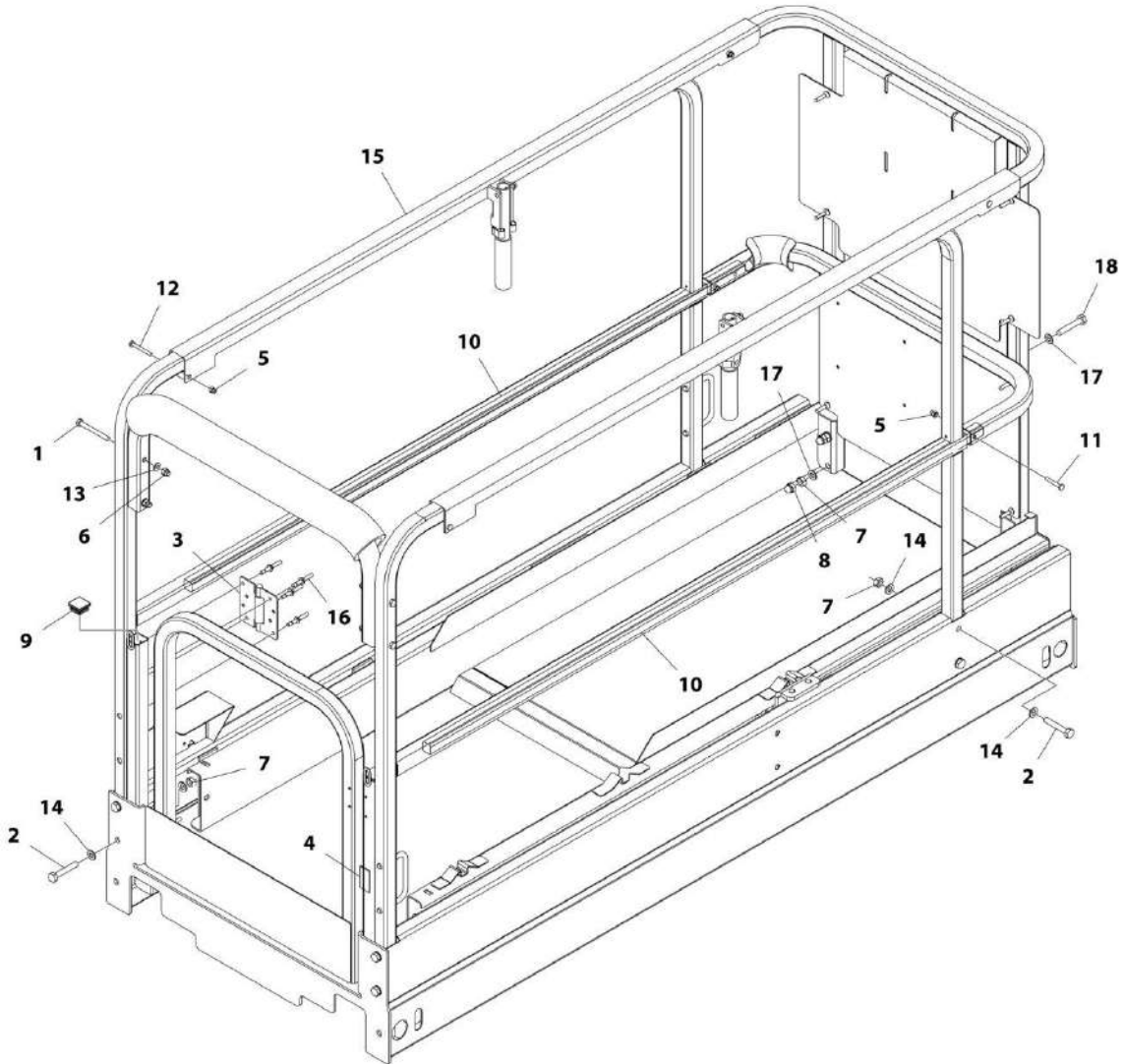
## SECTION 4 - PLATFORM

**FIGURE 4-14. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176737	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE	F
1	0700823	4	Bolt M8 x 75	
2	0701019	AR	Bolt M10 x 55	
3	2080040	8	Fastener, Huck	
4	2600281	2	Hinge	
5	1001182100	1	Rail Kit - Self Closing Gate (See RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE for Breakdown)	
6	3080007	1	Magnet	
7	3290606	4	Nut M6	
8	3290806	4	Nut M8	
9	3291001	AR	Nut M10	
10	3300477	4	Nut	
10	3291006	4	Nut M10	
11	3520072	2	Cap	
12	3841716	2	Rod	
13	4010616	2	Screw M6 x 40	
14	4010618	2	Screw M6 x 50	
15	4811900	4	Washer M8	
16	4812000	AR	Washer M10	
17	0701019	4	Bolt M10 x 55	
17	0701018	4	Bolt M10 x 50	
18	4812000	8	Washer M10	
18	4812002	8	Washer M10	

# SECTION 4 - PLATFORM

FIGURE 4-15. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE



ART\_1001212700

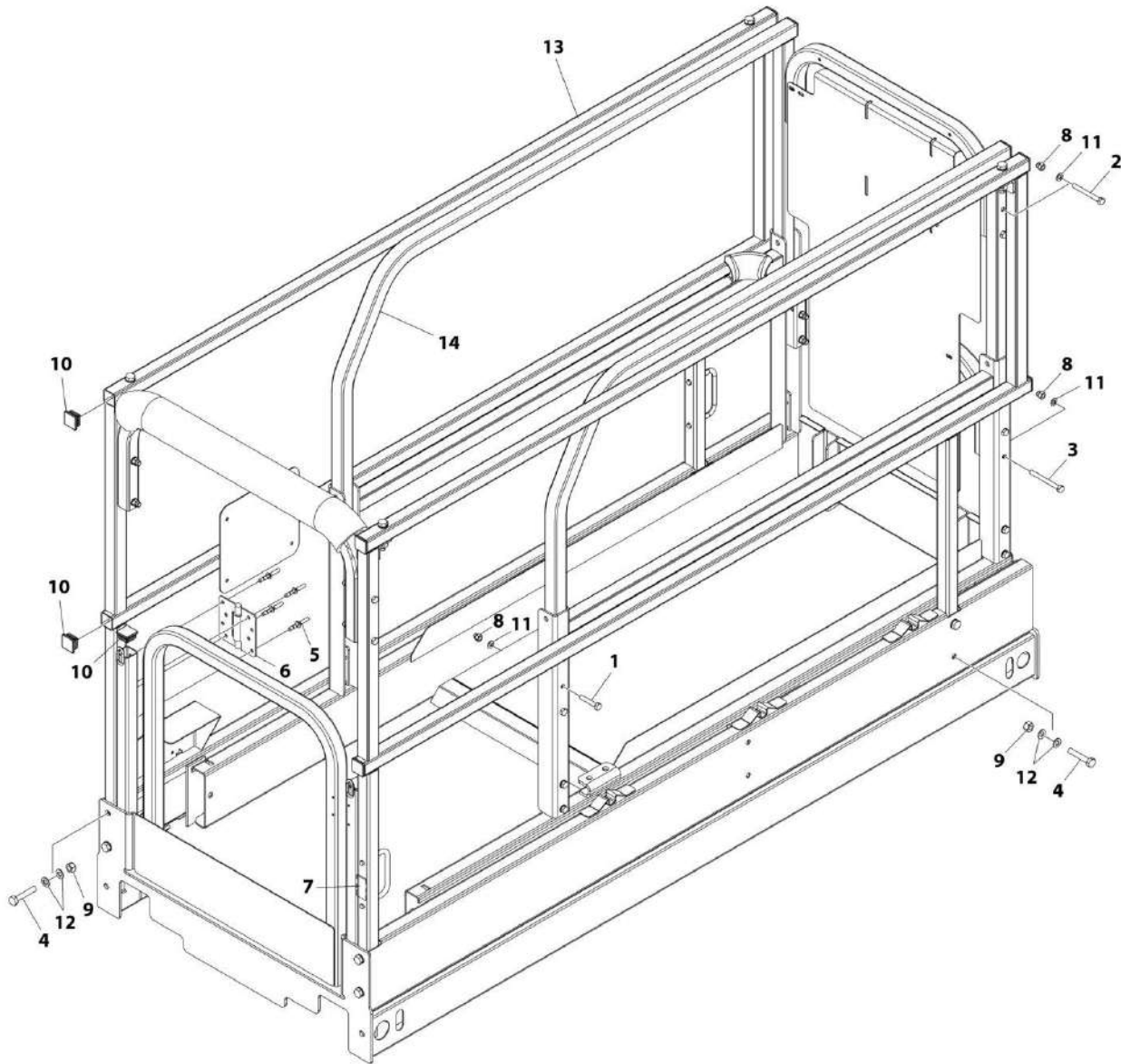
## SECTION 4 - PLATFORM

**FIGURE 4-15. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212700	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE	B
1	0700823	4	Bolt M8 x 75	
2	0701019	AR	Bolt M10 x 55	
3	2600281	2	Hinge	
4	3080007	1	Magnet	
5	3290606	4	Nut M6	
6	3290806	4	Nut M8	
7	3291001	12	Nut M10	
8	3300477	4	Nut	
9	3520072	2	Cap	
10	3841716	2	Rod	
11	4010616	2	Screw M6 x 40	
12	4010618	2	Screw M6 x 50	
13	4811900	4	Washer M8	
14	4812000	AR	Washer M10	
15	1001212859	1	Rail Kit - With Inside Extension rails, Handle and Self Closing Gate (See RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE for Breakdown)	
16	2080040	8	Fastener, Huck	
17	4812000	8	Washer M10	
17	4812002	8	Washer M10	
18	0701019	2	Bolt M10 x 55	
18	0701021	4	Bolt M10 x 65	

# SECTION 4 - PLATFORM

## FIGURE 4-16. RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART\_1001217111



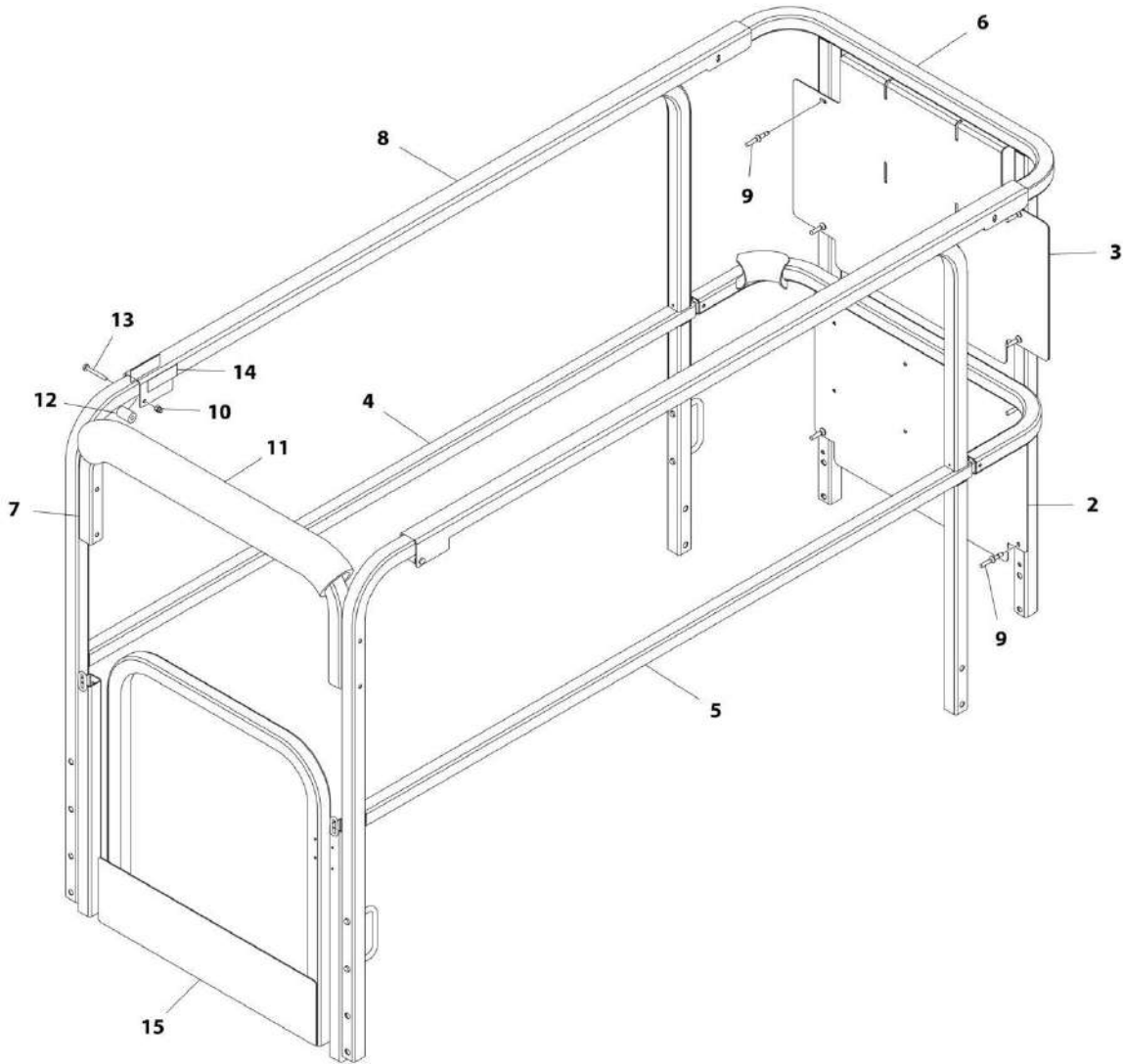
## SECTION 4 - PLATFORM

**FIGURE 4-16. RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217111	Ref	RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE	A
1	0700817	4	Bolt M8 x 45	
2	0700823	4	Bolt M8 x 75	
3	0700824	4	Bolt M8 x 80	
4	0701019	8	Bolt M10 x 55	
5	2080040	8	Fastener, Huck	
6	2600281	2	Hinge	
7	3080007	1	Magnet	
8	3290806	12	Nut M8	
9	3291005	8	Nut M10	
10	3520072	12	Cap	
11	4811900	12	Washer M8	
12	4812000	16	Washer M10	
13	1001217748	1	Rail Kit - With Outside Extension Rails and Self Closing Gate (See RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE for Breakdown)	
14	1001217749	2	Rail	

# SECTION 4 - PLATFORM

FIGURE 4-17. RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART\_1001182100

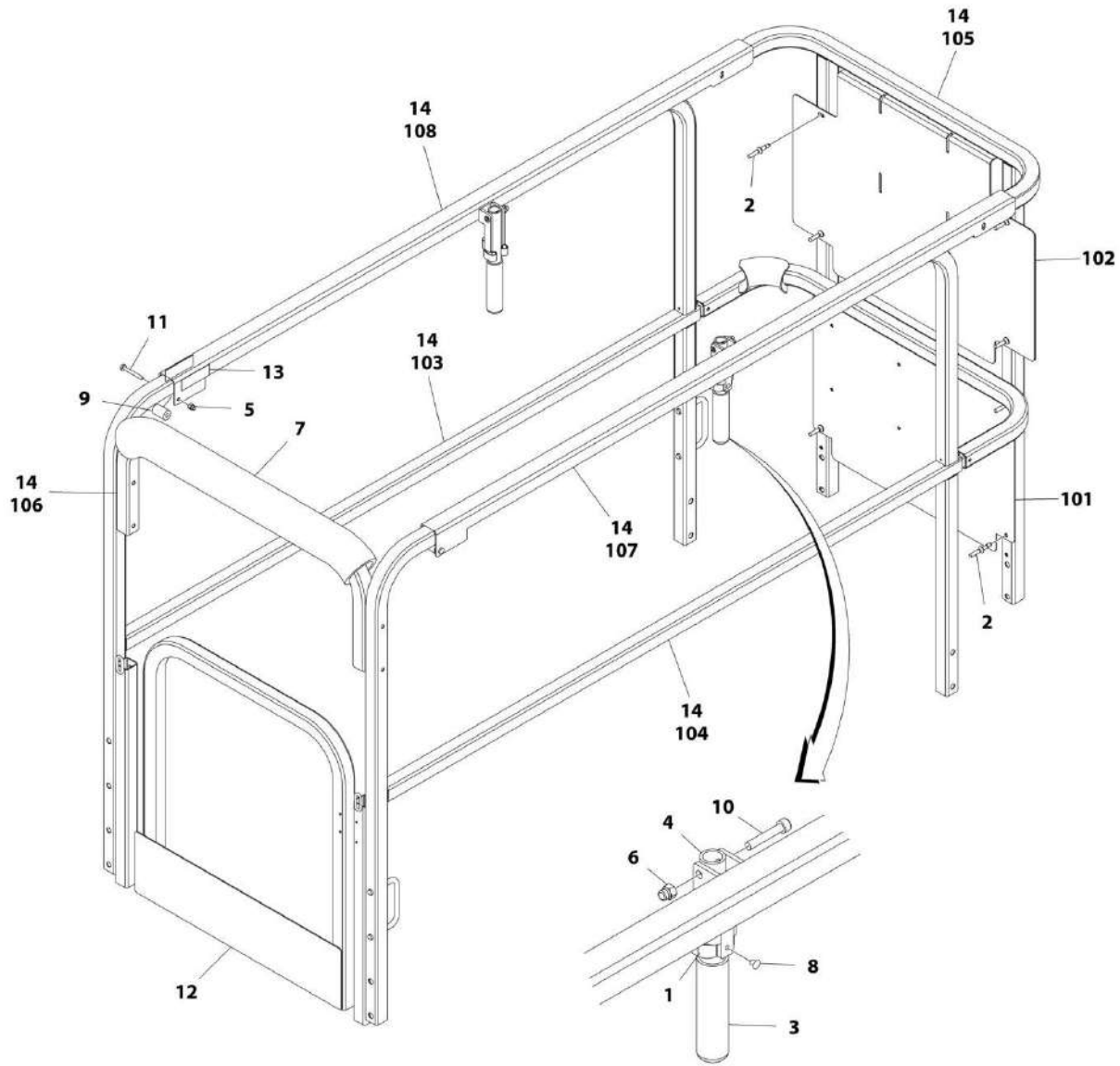
## SECTION 4 - PLATFORM

**FIGURE 4-17. RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182100	Ref	RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE	G
2	3574184	1	Plate, Lower Billboard (SN 0200239382 to Present, SN 120025021 through 1200030105, SN B200020297 through B200051292, SN M200000100 through M200019914)	
2	1001232637	1	Plate, Lower Billboard (SN 1200030106 to Present, SN B200051293 to Present, SN M200019915 to Present)	
3	3576645	1	Plate, Upper Billboard	
4	3641604	1	Rail, Left Side	
5	3641605	1	Rail, Right Side	
6	3641606	1	Rail, Extension Platform	
7	4569305	1	Tube, Drywall Gate	
8	1001182096	1	Channel, Top Rail Slide	
9	2080040	8	Fastener, Huck	
10	3290606	2	Nut M6	
11	3340612	1	Pad	
12	3860111	2	Roller	
13	4010618	2	Screw M6 x 50	
14	1001189762	AR	Tape	
15	4846723	1	Weldment, Gate	
16	1001182099	1	Rail Kit (Includes Items 2-8) (Not Shown)	

# SECTION 4 - PLATFORM

FIGURE 4-18. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE



ART\_1001212859

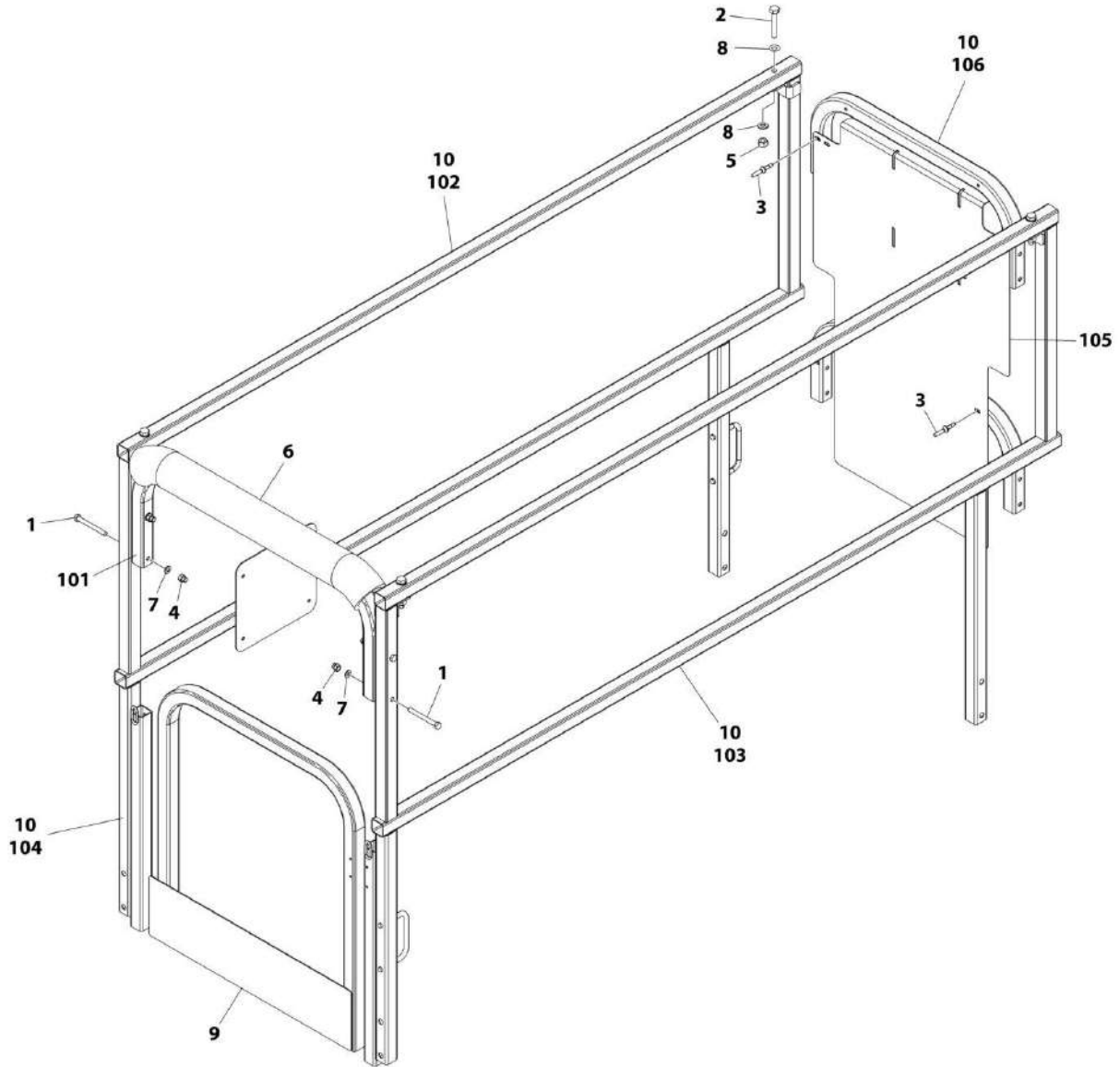
## SECTION 4 - PLATFORM

**FIGURE 4-18. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212859	Ref	RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE	C
1	1380132	2	Clip, Gripper	
2	2080040	8	Fastener, Huck	
3	2560088	2	Handle	
4	2560190	2	Handle, Platform	
5	3290606	2	Nut M6	
6	3290806	2	Nut M8	
7	3340612	18 in /45cm	Pad, Cover	
8	3820019	2	Rivet	
9	3860111	2	Roller	
10	3900345	2	Screw	
11	4010618	2	Screw M6 x 50	
12	4846723	1	Gate	
13	1001189762	AR	Tape	
14	1001212860	1	Rail Kit (See 101-108 for Breakdown)	
	1001212860	Ref	RAIL KIT	D
101	3574184	1	Plate, Lower Billboard ( <b>SN 0200239382 to Present, SN 120025021 through 1200030105, SN B200020297 through B200051292, SN M200000100 through M200019914</b> )	
101	1001232637	1	Plate, Lower Billboard ( <b>SN 1200030106 to Present, SN B200051293 to Present, SN M200019915 to Present</b> )	
102	3576645	1	Plate, Upper Billboard	
103	3641604	1	Rail, Left Side ( <b>SN B200020297 through B200052394, SN M200000100 through M200027027</b> )	
103	1001241857	1	Rail, Left Side ( <b>SN B200052395 to Present, SN M200027028 to Present</b> )	
104	3641605	1	Rail, Right Side ( <b>SN B200020297 through B200052394, SN M200000100 through M200027027</b> )	
104	1001241858	1	Rail, Right Side ( <b>SN B200052395 to Present, SN M200027028 to Present</b> )	
105	3641606	1	Rail, Extension Platform	
106	4569305	1	Tube, Drywall Gate	
107	1001212861	1	Rail, Top Left Side	
108	1001212862	1	Rail, Top Right Side	

# SECTION 4 - PLATFORM

FIGURE 4-19. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART\_1001217748

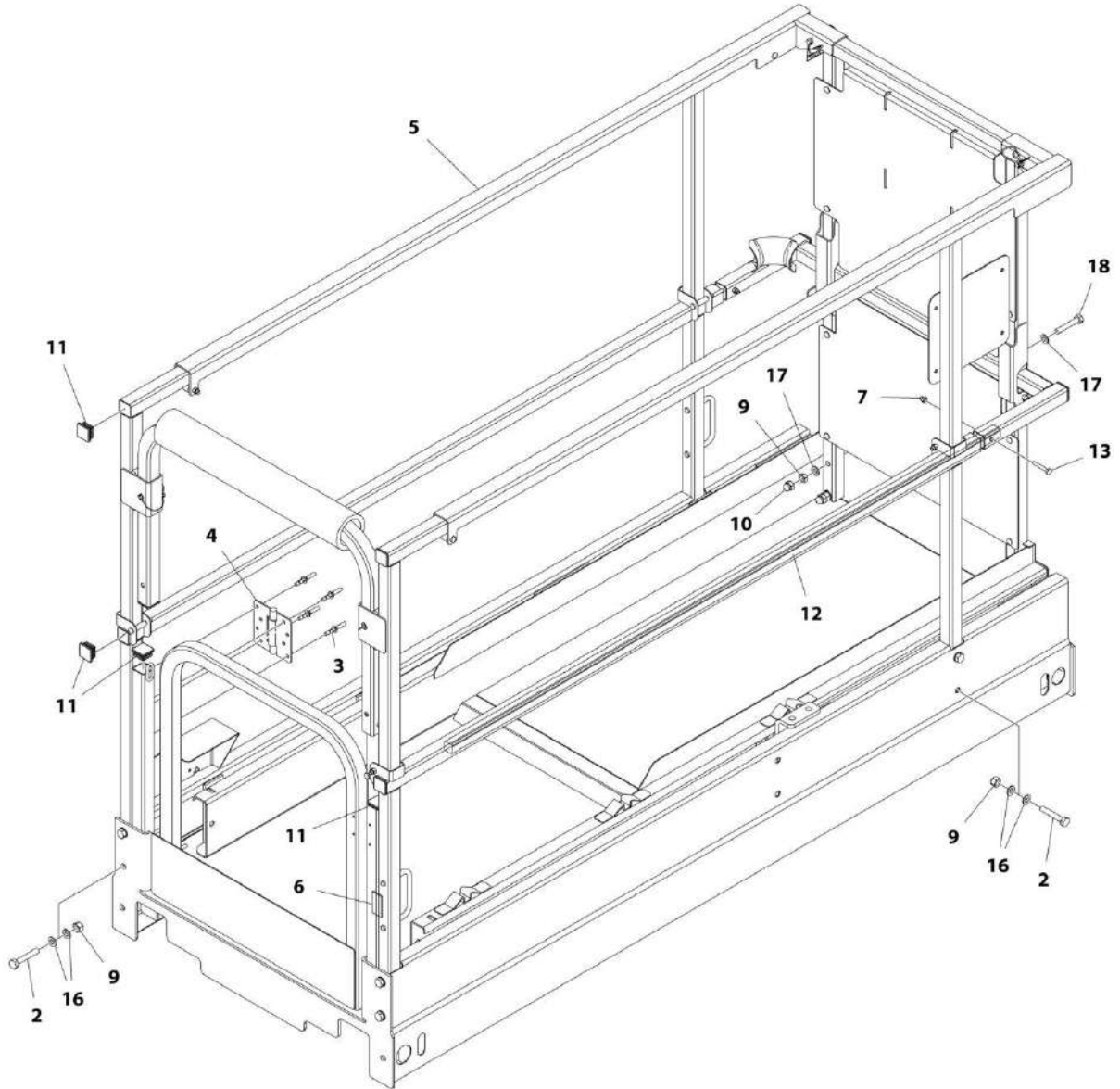
## SECTION 4 - PLATFORM

**FIGURE 4-19. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217748	Ref	RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE	B
1	0700823	4	Bolt M8 x 75	
2	0701020	4	Bolt M10 x 60	
3	2080040	4	Fastener, Huck	
4	3290806	4	Nut M8	
5	3291005	4	Nut M10	
6	3340612	1	Pad, Cover	
7	4811900	4	Washer M8	
8	4812000	8	Washer M10	
9	4846723	1	Gate	
10	1001217113	1	Rail Kit (See 101-108 for Breakdown)	
	1001217113	Ref	RAIL KIT	A
101	4569305	1	Tube, Drywall Gate	
102	1001215237	2	Rail, Mid	
103	1001217114	1	Rail, Right Side	
104	1001217115	1	Rail, Left Side	
105	1001217118	1	Plate, Lower Billboard	
106	1001217119	2	Tube	

# SECTION 4 - PLATFORM

FIGURE 4-20. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART\_1001176743



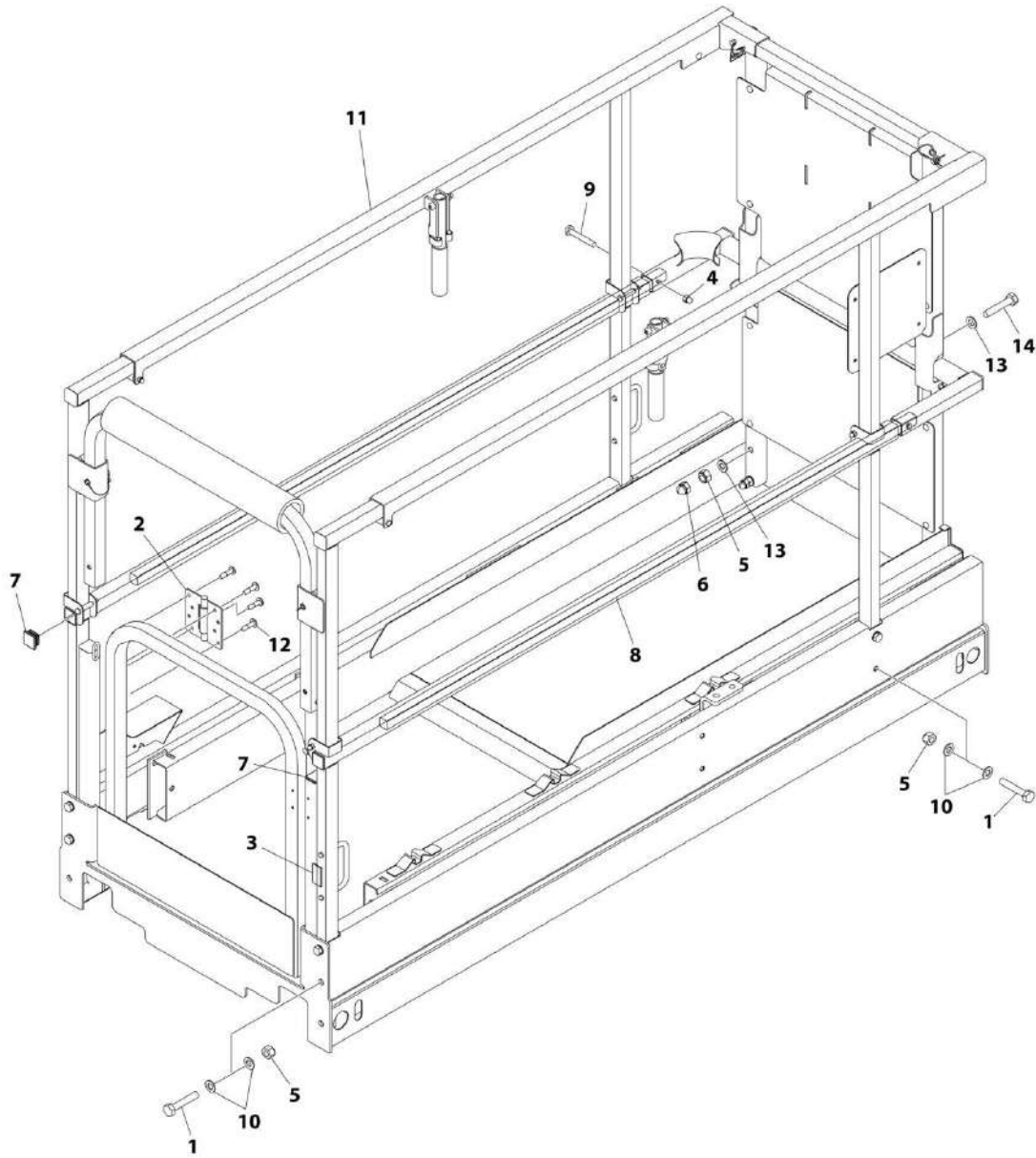
## SECTION 4 - PLATFORM

**FIGURE 4-20. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176743	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE	E
2	0701019	AR	Bolt M10 x 55	
3	2080040	8	Fastener, Huck	
4	2600281	2	Hinge	
5	1001179382	1	Rail Kit - Self Closing Gate (See RAIL KIT - SELF CLOSING GATE for Breakdown)	
6	3080007	1	Magnet	
7	3290606	2	Nut M6	
9	3291005	12	Nut M10	
10	3300477	4	Nut	
11	3520072	8	Cap	
12	3841716	2	Rod	
13	4010616	2	Screw M6 x 40	
16	4812000	AR	Washer M10	
17	4812000	8	Washer M10	
17	4812002	8	Washer M10	
18	0701019	4	Bolt M10 x 55	
18	0701021	4	Bolt M10 x 65	

# SECTION 4 - PLATFORM

FIGURE 4-21. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE



ART\_1001212853

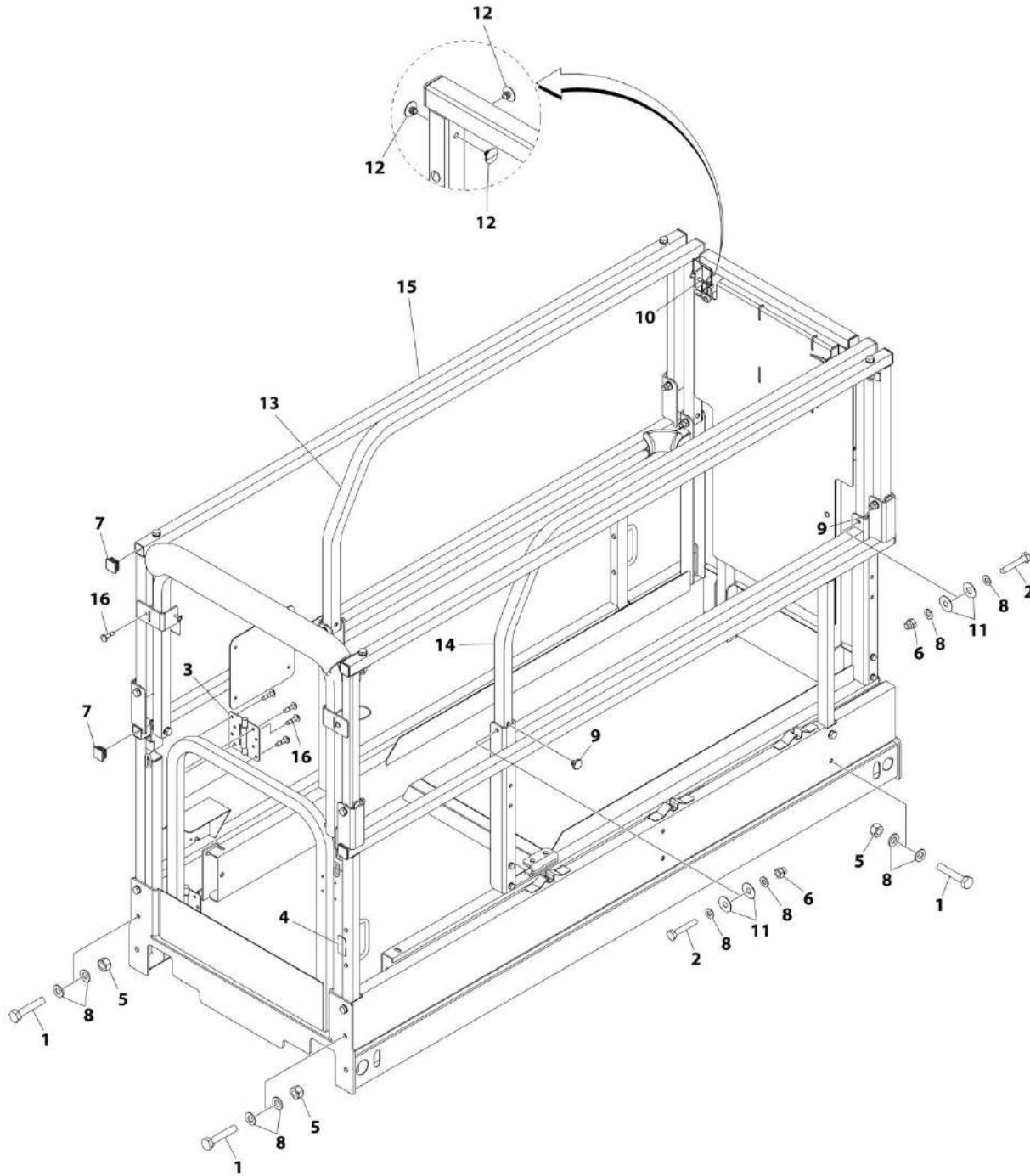
## SECTION 4 - PLATFORM

**FIGURE 4-21. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212853	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE	B
1	0701019	AR	Screw M10 x 55	
2	2600281	2	Hinge	
3	3080007	1	Magnet	
4	3290606	2	Nut M6	
5	3291005	12	Nut M10	
6	3300477	4	Nut	
7	3520072	8	Cap	
8	3841716	2	Rod	
9	4010616	2	Screw M6 x 40	
10	4812000	AR	Washer M10	
11	1001212864	1	Rail Kit - With Inside Extension Rails, Handle and Self Closing Gate (See RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE for Breakdown)	
12	2080040	8	Fastener, Huck	
13	4812000	8	Washer M10	
13	4812002	8	Washer M10	
14	0701019	4	Bolt M10 x 55	
14	0701021	4	Bolt M10 x 65	

# SECTION 4 - PLATFORM

## FIGURE 4-22. RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART\_1001215230

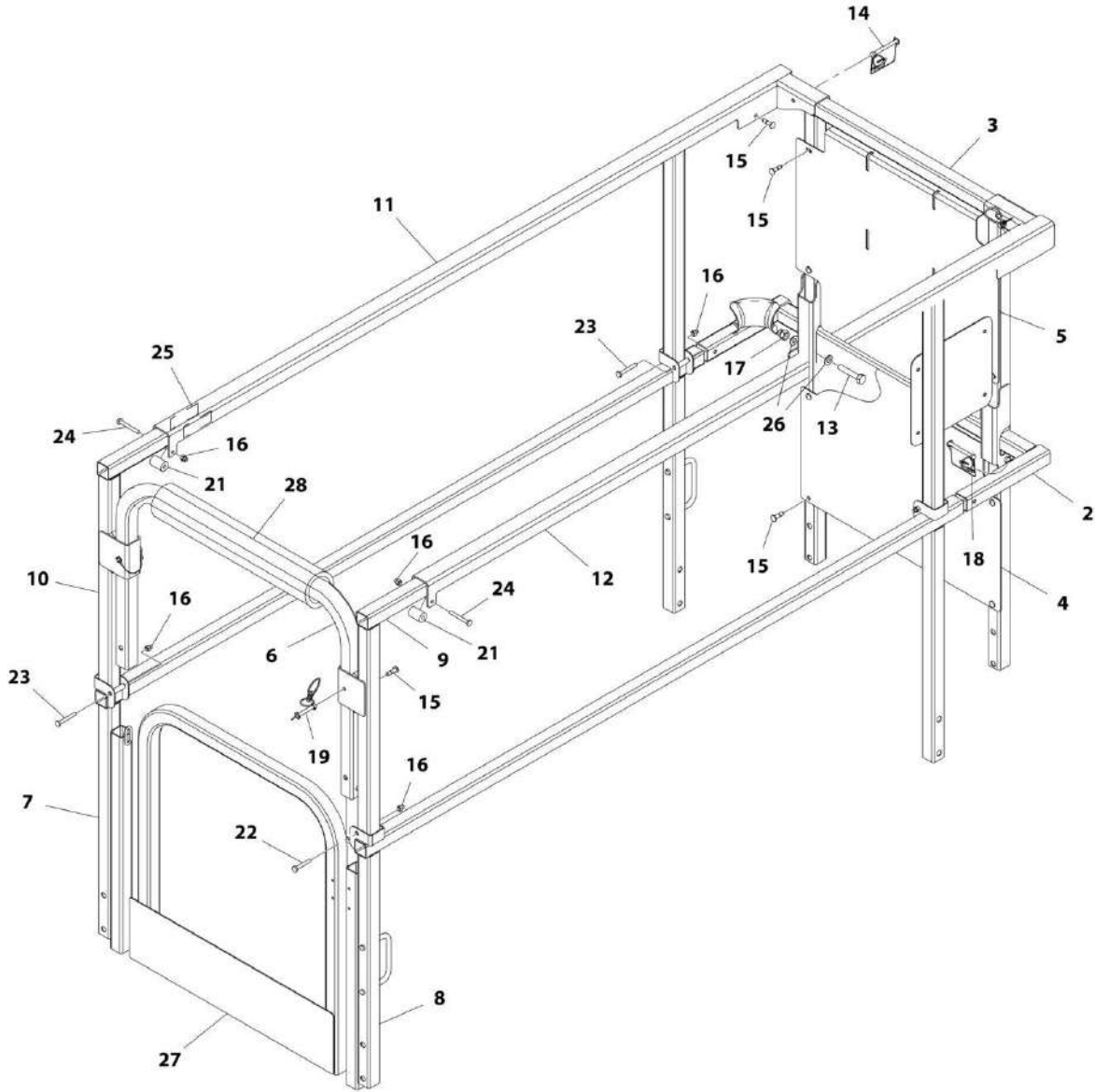
## SECTION 4 - PLATFORM

**FIGURE 4-22. RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215230	Ref	RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE	A
1	0701019	8	Screw M10 x 55	
2	0701020	4	Bolt M10 x 60	
3	2600281	2	Hinge	
4	3080007	1	Magnet	
5	3291005	8	Nut M10	
6	3291006	4	Nut M10	
7	3520072	16	Cap	
8	4812000	26	Washer M10	
9	1001137675	4	Bumper	
10	1001187587	2	Pin	
11	1001211895	8	Plate, Washer	
12	1001211896	6	Bumper	
13	1001217739	1	Rail, Left	
14	1001217740	1	Rail, Right	
15	1001217741	1	Rail Kit - With Outside Extension Rails and Self Closing Gate (See RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE for Breakdown)	
16	2080040	10	Fastener, Huck	

# SECTION 4 - PLATFORM

FIGURE 4-23. RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART\_1001179382

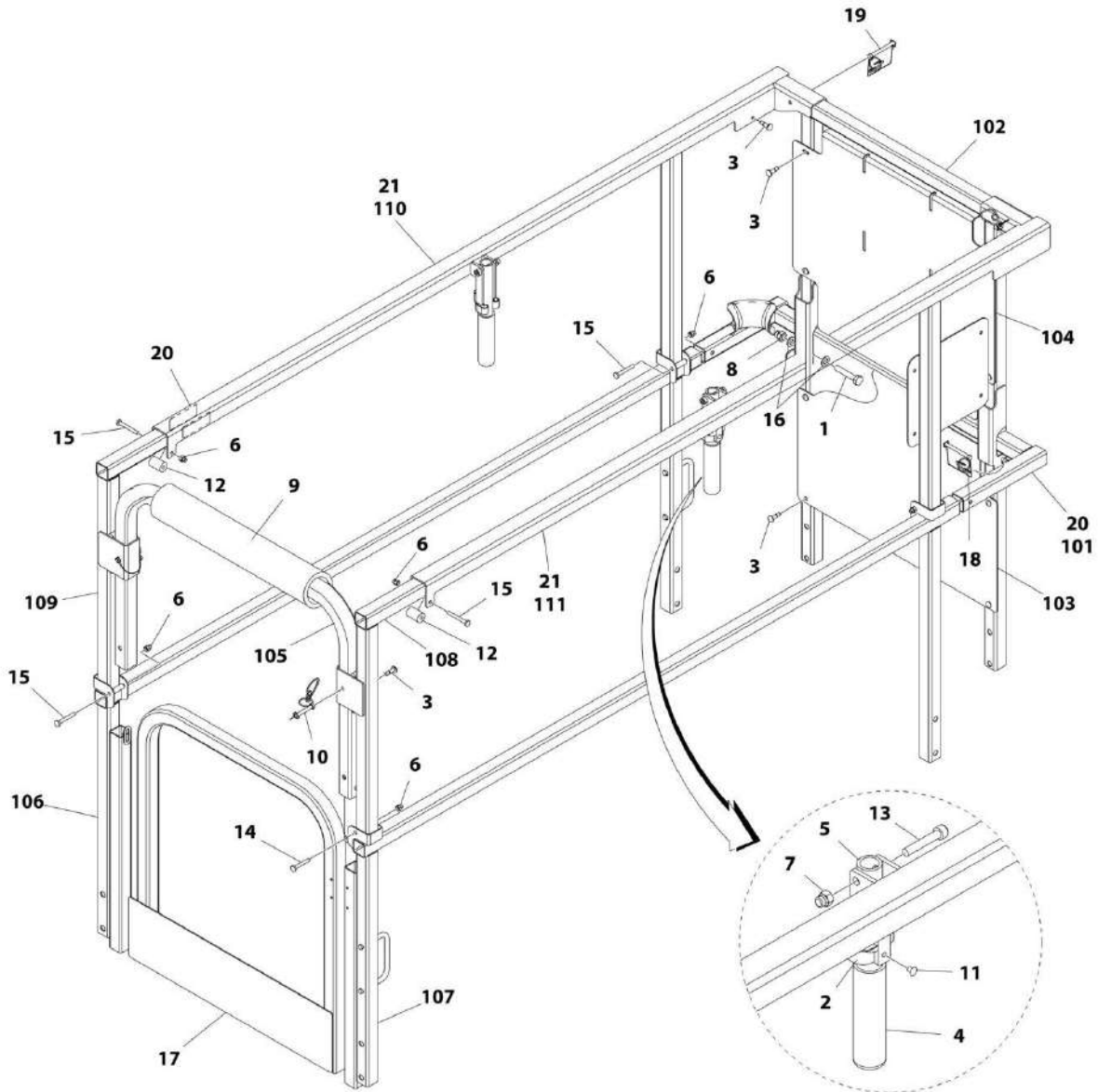
## SECTION 4 - PLATFORM

**FIGURE 4-23. RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179382	Ref	RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE	H
2	1001179277	1	Rail, Mid Bottom	
3	1001179287	1	Rail, Mid Top	
4	1001179298	1	Plate, Lower Billboard	
5	1001179299	1	Plate, Upper Billboard	
6	1001179332	1	Tube, Drywall Gate	
7	1001179384	1	Rail, Left Bottom	
8	1001179386	1	Rail, Right Bottom	
9	1001179387	1	Rail, Right Top	
10	1001179389	1	Rail, Left Top	
11	1001179390	1	Rail, Top Left Side	
12	1001179393	1	Rail, Top Right Side	
13	0701019	2	Screw M10 x 55	
14	1001187587	2	Lanyard	
15	2080040	12	Fastener, Huck	
16	3290606	7	Nut M6	
17	3291006	2	Nut M10	
18	1001187585	2	Pin	
19	3423278	2	Pin	
21	3860111	2	Roller	
22	4010616	1	Screw M6 x 40	
23	4010617	4	Screw M6 x 45	
23	4010618	4	Screw M6 x 50	
24	4010618	2	Screw M6 x 50	
25	1001189762	AR	Tape	
26	4812000	4	Washer	
27	4846723	1	Weldment, Gate	
28	3340612	18 in /45cm	Pad, Cover	
29	1001179383	1	Rail Kit (Includes Items 2-12) (Not Shown)	

# SECTION 4 - PLATFORM

FIGURE 4-24. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE



ART\_1001212864



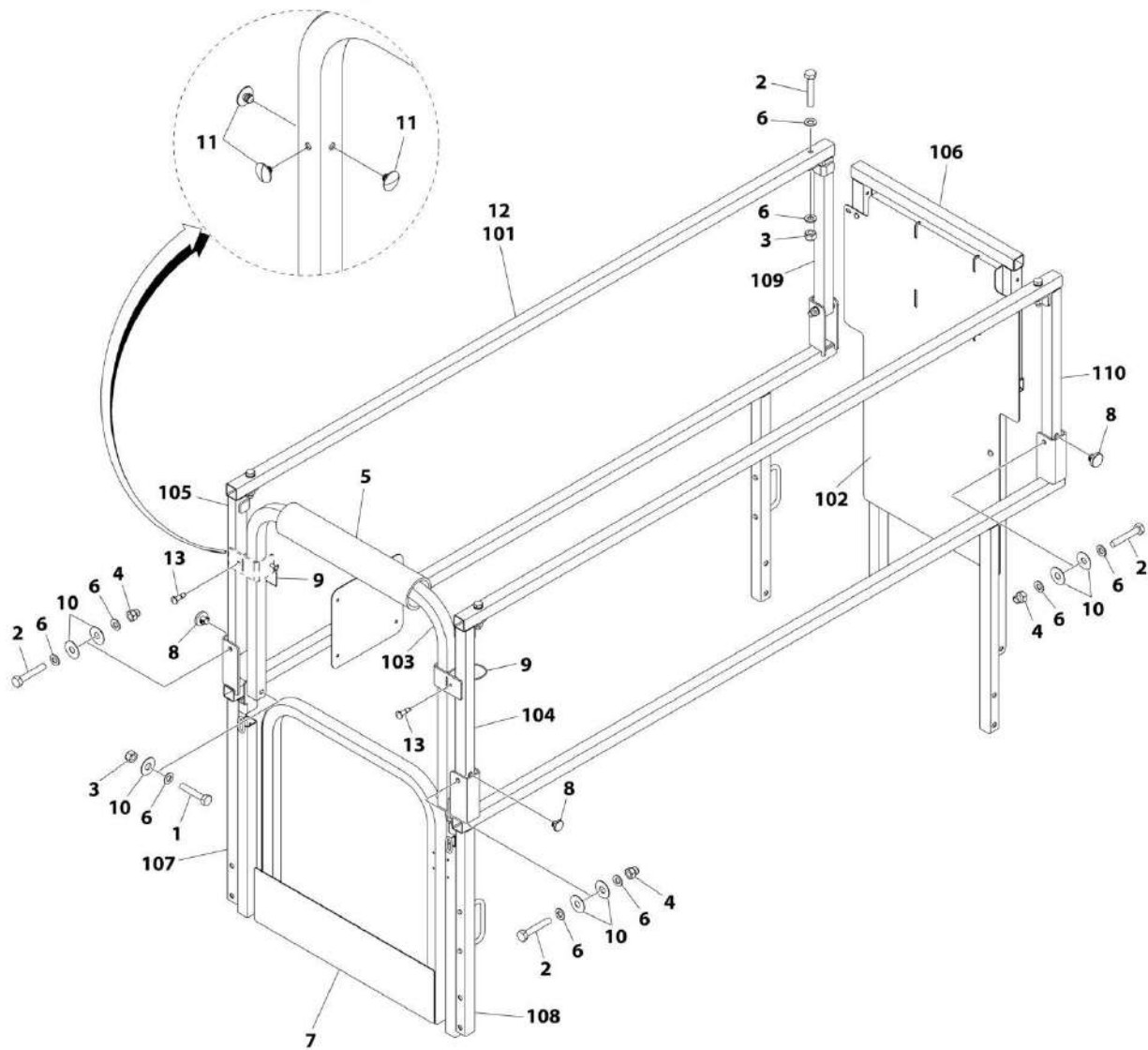
## SECTION 4 - PLATFORM

**FIGURE 4-24. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212864	Ref	RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE	A
1	0701019	2	Screw M10 x 55	
2	1380132	2	Clip, Gripper	
3	2080040	12	Fastener, Huck	
4	2560088	2	Handle	
5	2560190	2	Handle, Platform	
6	3290606	7	Nut M6	
7	3290806	2	Nut M8	
8	3291006	2	Nut M10	
9	3340612	18 in /45cm	Pad, Cover	
10	3423278	2	Pin	
11	3820019	2	Rivet	
12	3860111	2	Roller	
13	3900345	2	Screw	
14	4010616	1	Screw M6 x 40	
15	4010618	6	Screw M6 x 50	
16	4812000	4	Washer	
17	4846723	1	Gate	
18	1001187585	2	Pin	
19	1001187587	2	Pin	
20	1001189762	AR	Tape	
21	1001212865	1	Rail Kit (See Items 101-111 for Breakdown)	
	1001212865	Ref	RAIL KIT	A
101	1001179277	1	Rail, Mid Bottom	
102	1001179287	1	Rail, Mid Top	
103	1001179298	1	Plate, Lower Billboard	
104	1001179299	1	Plate, Upper Billboard	
105	1001179332	1	Tube, Drywall Gate	
106	1001179384	1	Rail, Left Bottom	
107	1001179386	1	Rail, Right Bottom	
108	1001179387	1	Rail, Right Top	
109	1001179389	1	Rail, Left Top	
110	1001212866	1	Rail, Top Left Side	
111	1001212867	1	Rail, Top Right Side	

# SECTION 4 - PLATFORM

FIGURE 4-25. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART\_1001217741

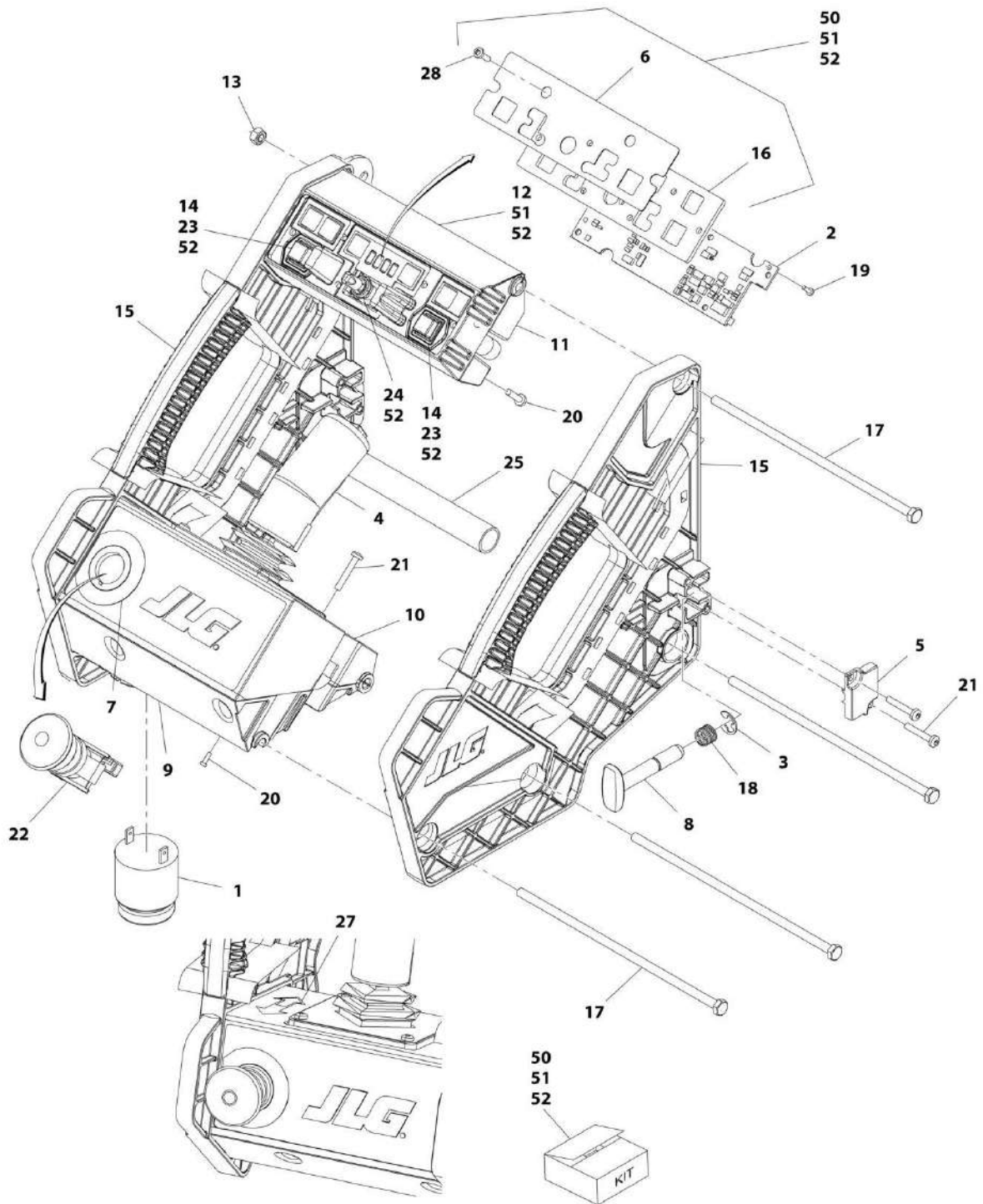
## SECTION 4 - PLATFORM

**FIGURE 4-25. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217741	Ref	RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE	B
1	0701019	2	Screw M10 x 55	
2	0701020	8	Bolt M10 x 60	
3	3291005	6	Nut M10	
4	3291006	4	Nut M10	
5	3340612	18 in/ 45cm	Pad, Cover	
6	4812000	18	Washer #10	
7	4846723	1	Gate	
8	1001137675	4	Bumper	
9	1001187587	2	Pin	
10	1001211895	10	Plate, Washer	
11	1001211896	6	Bumper	
12	1001217742	1	Rail Kit (See Items 101-110 for Breakdown)	
13	2080040	6	Fastener, Huck	
	1001217742	Ref	RAIL KIT	B
101	1001215237	2	Rail, Mid	
102	1001217118	1	Plate, Billboard	
103	1001217173	1	Tube, Drywall Gate	
104	1001217735	1	Rail, Right Entrance	
105	1001217736	1	Rail, Left Entrance	
106	1001217737	1	Rail, Front	
107	1001217743	1	Rail, Left Bottom	
108	1001217744	1	Rail, Right Bottom	
109	1001217746	1	Rail, Support	
110	1001217747	1	Rail, Support	

# SECTION 4 - PLATFORM

## FIGURE 4-26. PLATFORM CONSOLE ASSEMBLY



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

ART\_1001091153

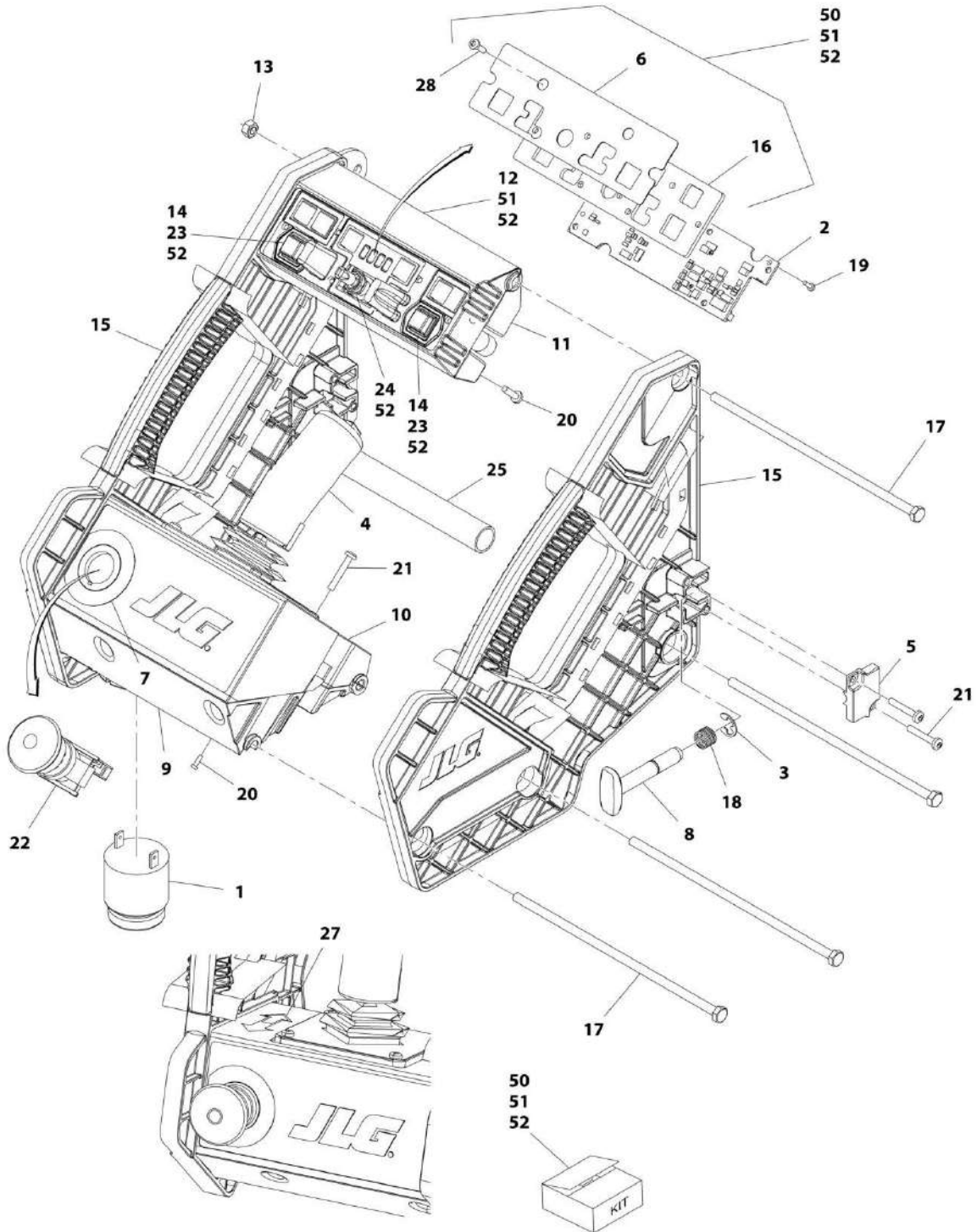
## SECTION 4 - PLATFORM

**FIGURE 4-26. PLATFORM CONSOLE ASSEMBLY**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091153	Ref	PLATFORM CONSOLE ASSEMBLY	J
		Ref	Usage Chart	
		Ref	All Specs Except CE and Australian Specs	
		Ref	China Specs ( <b>SN B200020297 through B200028908</b> )	
1	0140011	1	Alarm	
2	1600439	1	PC Board	
3	1380156	1	E-Clip	
4	1600402	1	Drive/Steer Controller Assembly (See DRIVE/STEER CONTROLLER ASSEMBLY for Breakdown)	
5	1671098	1	Latch	
6	1001091272	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 ELECTRICAL SECTION for Breakdown)	
27	1703819	1	Decal - Directional Arrow	
28	1001091396	6	Screw M3.5 x 12	
29	See Note	NSS	Decal - Control Module (Not Shown) (Note: Not Available for Purchase) ( <b>SN 1200030106 to Present, SN B200051293 to Present, SN M200023836 to Present</b> )	
50	1001091968	1	Decal Kit (Includes Items 6, 16 & 28) (Note: Two Item 6's are included in the kit - 1 for All Specs except CE/Australian Specs and 1 for CE/Australian Specs. Use decal required for applicable spec. Dispose of the decal not used)	A
51	1001091393	1	Decal and Housing Kit (Includes Items 6, 12, 16 & 28) (Note: Two Item 6's are included in the kit - 1 for All Specs except CE/Australian Specs and 1 for CE/Australian Specs. Use decal required for applicable spec. Dispose of the decal not used)	C
52	1001091965	1	Decal, Housing and PC Board Kit (Includes Items 2, 6, 12, 14, 16, 19, 23, 24 & 28) (Note: Two Item 6's are included in the kit - 1 for All Specs except CE/Australian Specs and 1 for CE/Australian Specs. Use decal required for applicable spec. Dispose of the decal not used)	C

# SECTION 4 - PLATFORM

## FIGURE 4-27. PLATFORM CONSOLE ASSEMBLY



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

ART\_1001091154

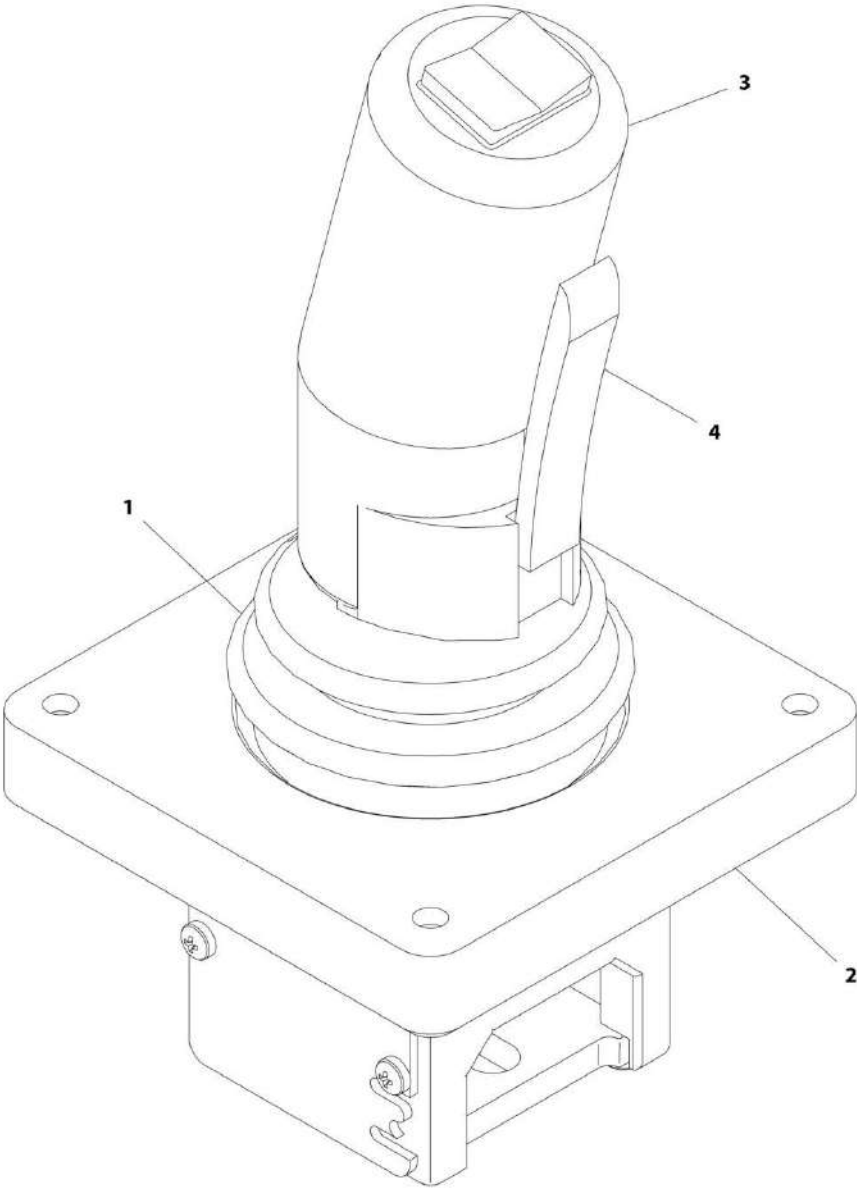
## SECTION 4 - PLATFORM

### FIGURE 4-27. PLATFORM CONSOLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091154	Ref	PLATFORM CONSOLE ASSEMBLY	H
		Ref	Usage Chart	
		Ref	Australian Specs	
		Ref	CE Specs	
		Ref	China Specs ( <b>SN B200028909 to Present</b> )	
1	0140011	1	Alarm	
2	1600439	1	PC Board	
3	1380156	1	E-Clip	
4	1600402	1	Drive/Steer Controller Assembly (See DRIVE/STEER CONTROLLER ASSEMBLY for Breakdown)	
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 ELECTRICAL SECTION for Breakdown)	
27	1703819	1	Decal - Directional Arrow	
28	1001091396	6	Screw M3.5 x 12	
29	See Note	NSS	Decal - Control Module (Not Shown) (Note: Not Available for Purchase) ( <b>SN 1200030106 to Present, SN B200051293 to Present, SN M200023836 to Present</b> )	
50	1001091968	1	Decal Kit (Includes Items 6, 16 & 28) (Note: Two Item 6's are included in the kit - 1 for All Specs except CE/Australian Specs and 1 for CE/Australian Specs. Use decal required for applicable spec. Dispose of the decal not used)	A
51	1001091393	1	Decal and Housing Kit (Includes Items 6, 12, 16 & 28) (Note: Two Item 6's are included in the kit - 1 for All Specs except CE/Australian Specs and 1 for CE/Australian Specs. Use decal required for applicable spec. Dispose of the decal not used)	C
52	1001091965	1	Decal, Housing and PC Board Kit (Includes Items 2, 6, 12, 14, 16, 19, 23, 24 & 28) (Note: Two Item 6's are included in the kit - 1 for All Specs except CE/Australian Specs and 1 for CE/Australian Specs. Use decal required for applicable spec. Dispose of the decal not used)	C

**SECTION 4 - PLATFORM**

**FIGURE 4-28. DRIVE/STEER CONTROLLER ASSEMBLY**



ART\_1600402



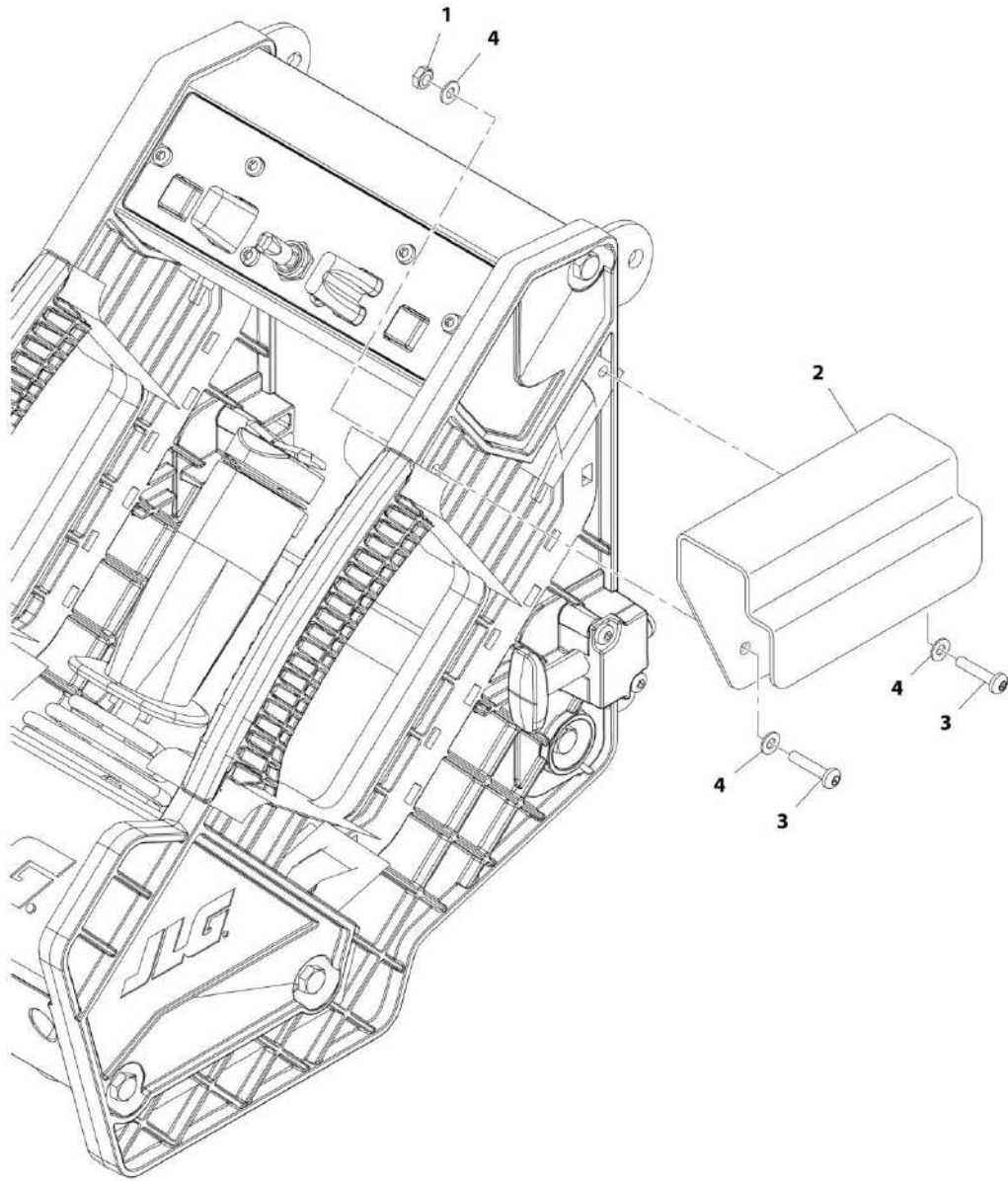
## SECTION 4 - PLATFORM

**FIGURE 4-28. 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	

# SECTION 4 - PLATFORM

## FIGURE 4-29. PLATFORM CONSOLE HANGER INSTALLATION (OPTIONAL)



ART\_0274386

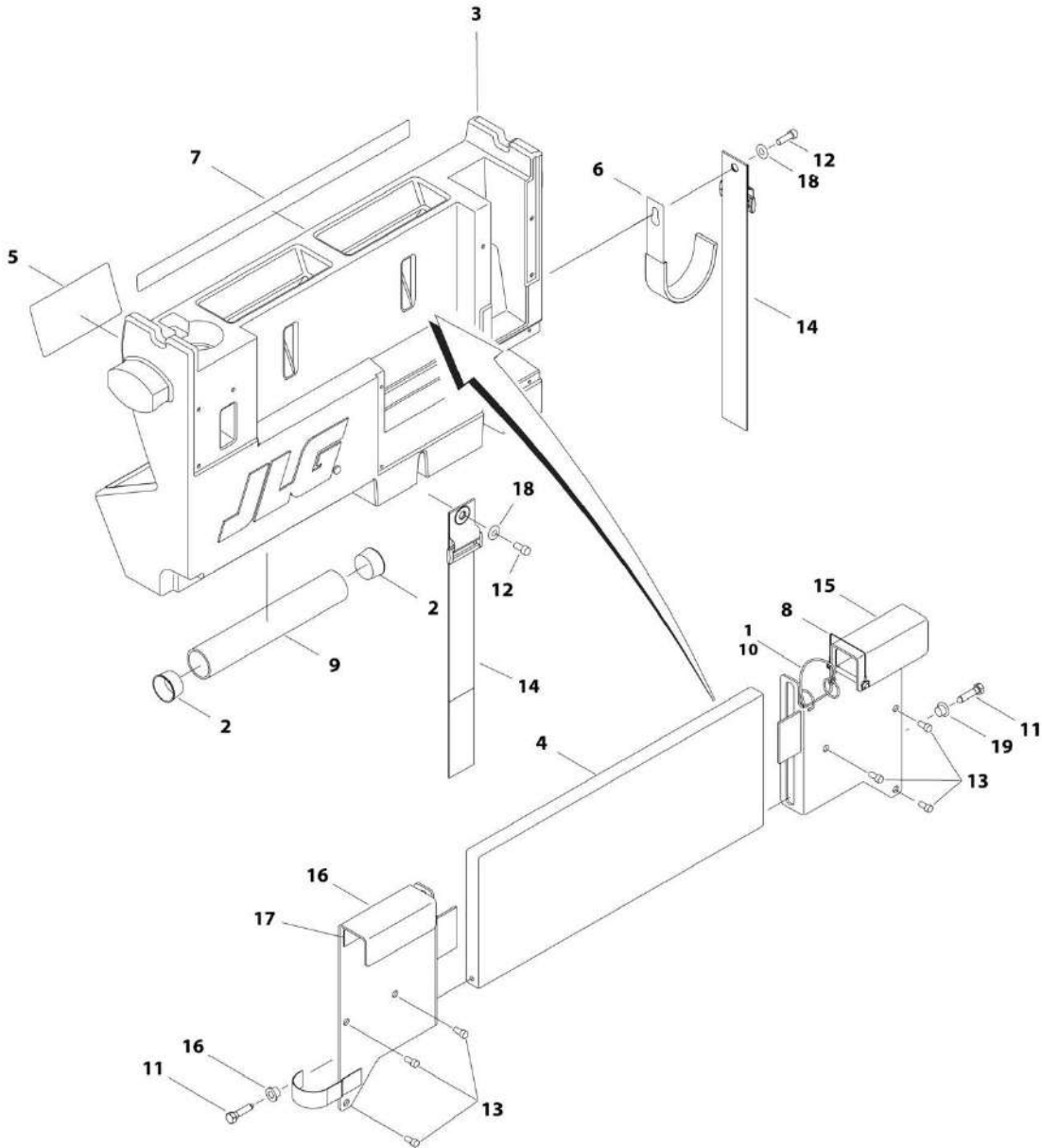
## SECTION 4 - PLATFORM

**FIGURE 4-29. PLATFORM CONSOLE HANGER INSTALLATION (OPTIONAL)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274386	Ref	PLATFORM BOX 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	

# SECTION 4 - PLATFORM

## FIGURE 4-30. WORKSTATION WITHOUT DC CONVERTER INSTALLATION



ART\_0240087

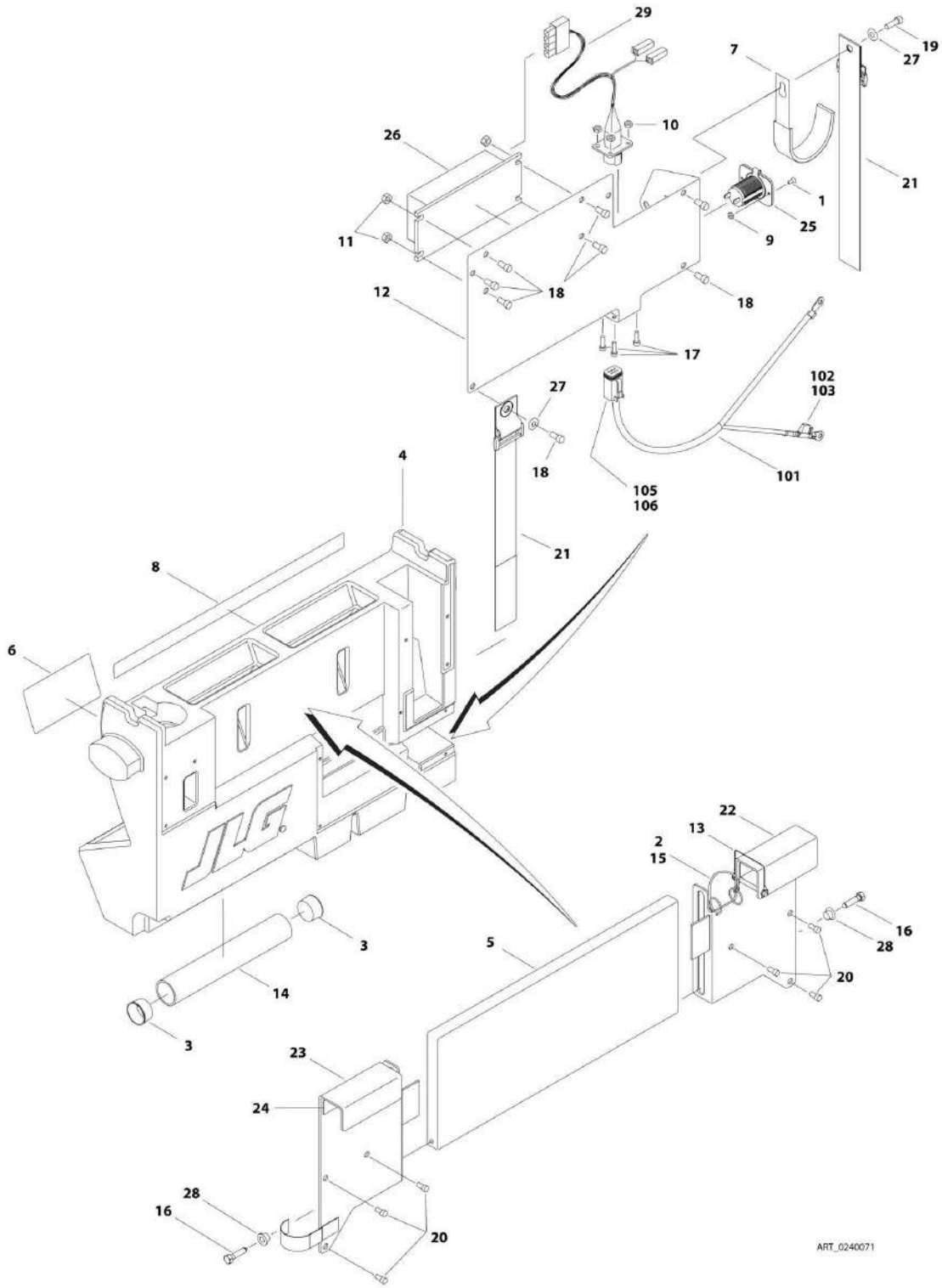
## SECTION 4 - PLATFORM

**FIGURE 4-30. WORKSTATION WITHOUT DC CONVERTER INSTALLATION**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273965	Ref	WORKSTATION INSTALLATION - REFERENCE CHART	B
	0240087	Ref	WORKSTATION WITHOUT DC CONVERTER INSTALLATION	C
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	2902348	1	Decal - Workstation Kit	
8	3422219	1	Pin	
9	3460334	1	PVC Pipe	
10	3760170	2	Ring	
11	3900355	2	Screw 5/16-9 x 1-1/2	
12	3931412	2	Bolt 1/4-20 x 3/4	
13	3931508	6	Bolt 5/16-18 x 1/2	
14	4240003	2	Strap	
15	4340853	1	Mount, RH Channel	
16	4340854	1	Mount, LH Channel	
17	4420062	3 ft/0.9m	Tape	
18	4711400	2	Washer 1/4	
19	4740480	2	Insert, Plastic	

# SECTION 4 - PLATFORM

## FIGURE 4-31. WORKSTATION WITH DC CONBERTER INSTALLATION



ART\_0240071

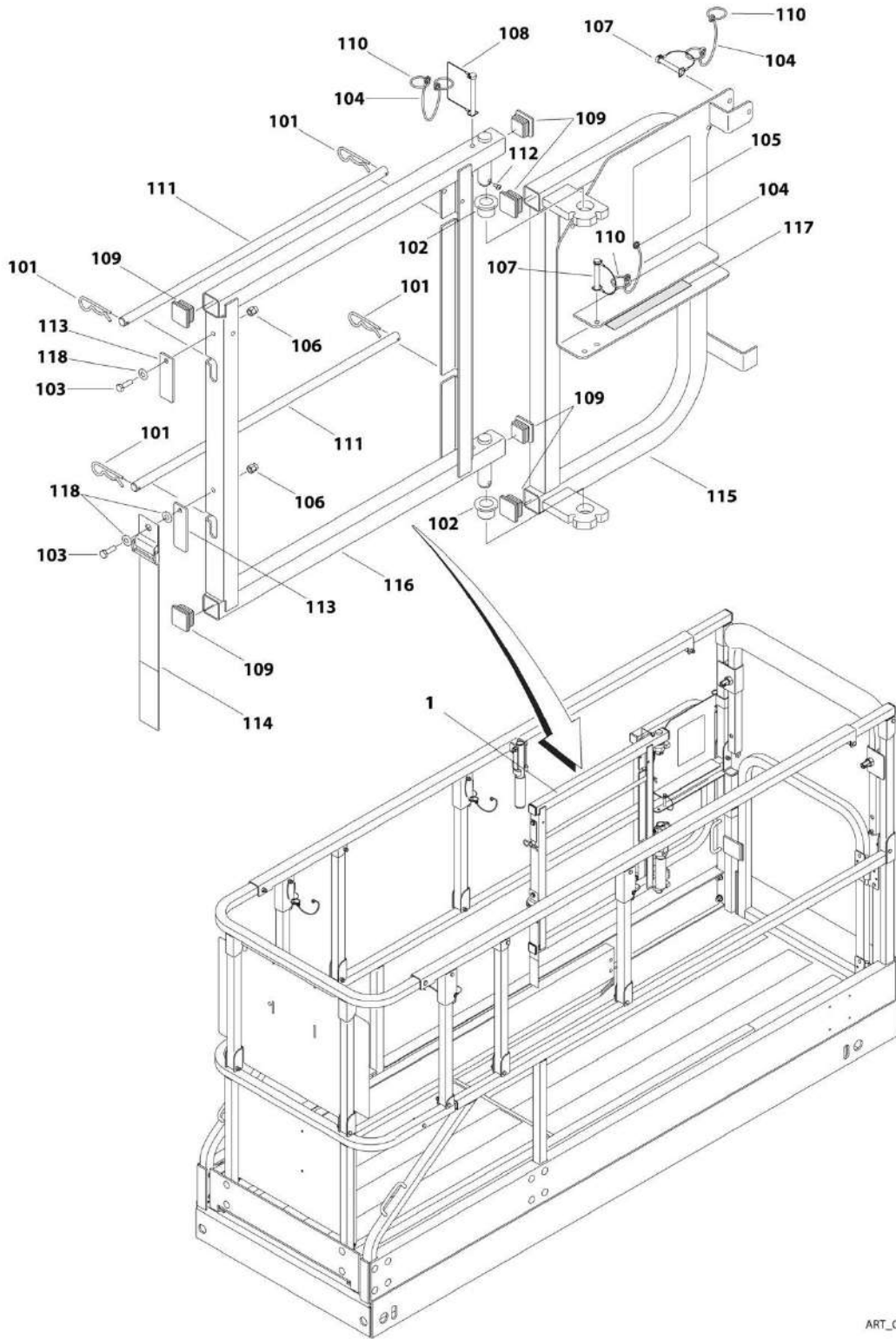
## SECTION 4 - PLATFORM

**FIGURE 4-31. WORKSTATION WITH DC CONBERTER INSTALLATION**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273955	Ref	WORKSTATION POWERED INSTALLATION - REFERENCE CHART	B
	0240071	Ref	WORKSTATION WITH DC CONVERTER INSTALLATION	D
1	0740603	2	Screw #6-32 x 3/4	
2	1060379	1	Cable, Lanyard	
3	1120555	2	Cap, Manual Storage	
4	1580023	1	Container	
5	1580024	1	Tray	
6	1705997	1	Decal - Workstation	
7	2700100	1	Hook, Hanger	
8	2902348	1	Decal - Workstation Kit	
9	3310601	2	Nut #6-32	
10	3311005	4	Nut #10-24	
11	3311405	4	Nut 1/4-20	
12	3380527	1	Panel, Converter/Receptacle	
13	3422219	1	Pin	
14	3460334	1	PVC Pipe	
15	3760170	2	Ring	
16	3900355	2	Screw 5/16-9 x 1-1/2	
17	3931010	4	Bolt #10-24 x 5/8	
18	3931408	9	Bolt 1/4-20 x 1/2	
19	3931412	1	Bolt 1/4-20 x 3/4	
20	3931508	6	Bolt 5/16-18 x 1/2	
21	4240003	2	Strap	
22	4340853	1	Mount, RH Channel	
23	4340854	1	Mount, LH Channel	
24	4420062	3 ft/0.9m	Tape	
25	4461012	1	Receptacle	
26	4530026	1	Transformer	
27	4711400	2	Washer 1/4	
28	4740480	2	Insert, Plastic	
29	4923121	1	Harness, Workstation Power (See ELECTRICAL SECTION for Breakdown)	
	4923114	Ref	WORKSTATION POWER CABLE INSTALLATION	B
101	1060331	60 ft /18.3m	Cable, 16/4	
102	2400061	1	Fuse - 10 Amp	
103	2400066	1	Holder, Fuse	
105	4460465	1	Socket, Female	
106	4460884	1	Connector - 4 Position	

# SECTION 4 - PLATFORM

## FIGURE 4-32. ELECTRICIAN'S TREE INSTALLATION



ART\_0274153



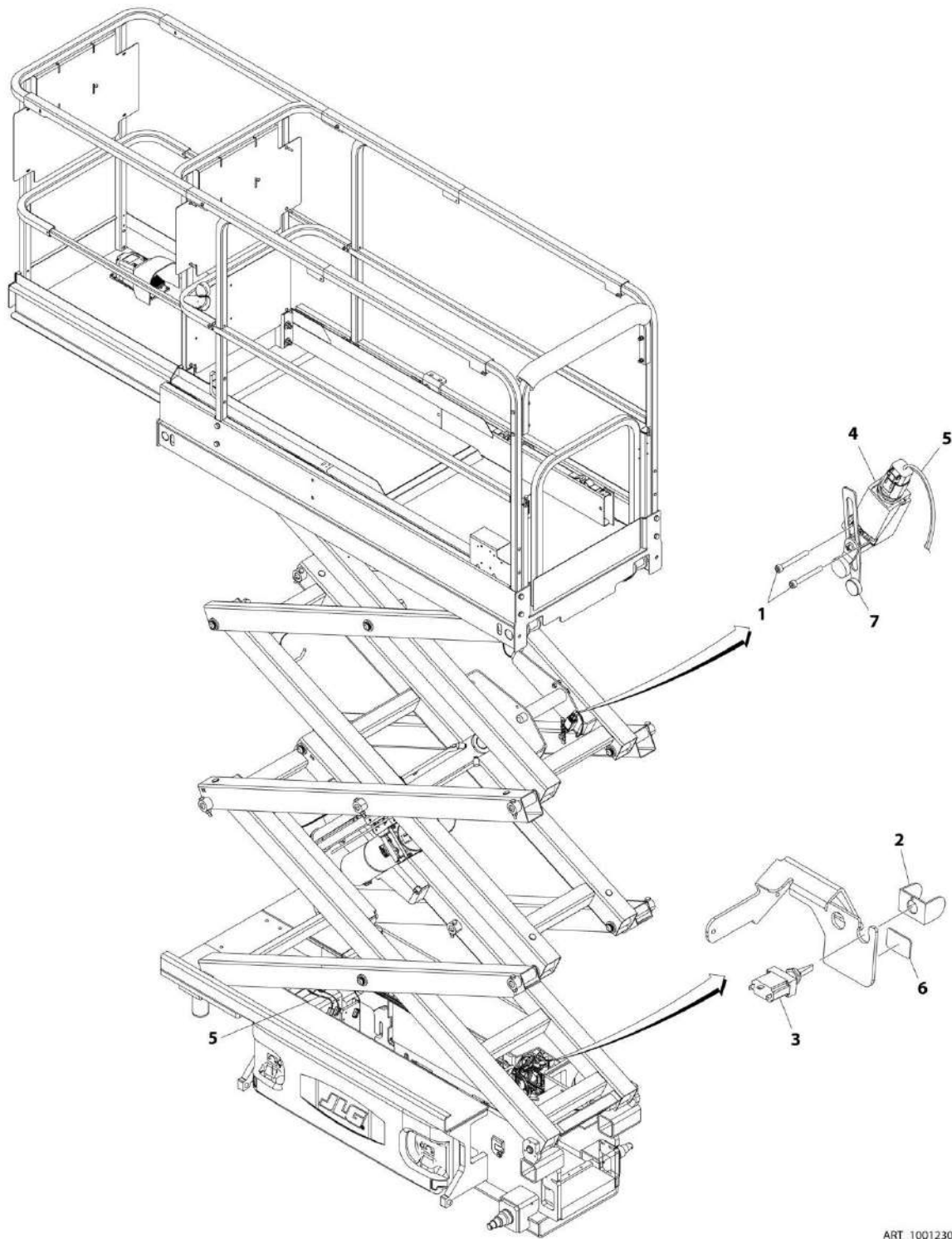
## SECTION 4 - PLATFORM

**FIGURE 4-32. ELECTRICIAN'S TREE INSTALLATION**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274153	Ref	ELECTRICIAN'S TREE INSTALLATION	B
1	0240102	NLA	Electrician's Tree (Use p/n 1001234783) (See Items 101-118 for Breakdown)	
	0240102	Ref	ELECTRICIAN'S TREE	C
101	80325	4	Hairpin, Cotter	
102	0440223	2	Bushing	
103	0700610	3	Bolt M6 x 20	
104	1060379	3	Cable, Lanyard	
105	2902386	1	Decal - Electrician's Tree Kit	
106	3290606	3	Nut M6	
107	3421453	2	Pin	
108	3422219	1	Pin	
109	3520072	6	Plug	
110	3760170	5	Ring	
111	3841675	2	Rod, Spool	
112	4191706	1	Screw M6 x 12	
113	4220227	2	Stop, Spool Rod	
114	4240003	1	Strap	
115	4340946	1	Mount, Base Pivot	
116	4340947	1	Mount, Spool Rack	
117	4420062	AR	Tape, UHMW	
118	4711400	3	Washer 1/4	
200	1001234783	1	Electrician's Tree Kit (Not Shown - Includes Items 101-108)	

# SECTION 4 - PLATFORM

## FIGURE 4-33. LOW HEIGHT DRIVE CUTOUT (JAPANESE SPECS ONLY)



ART\_1001230753

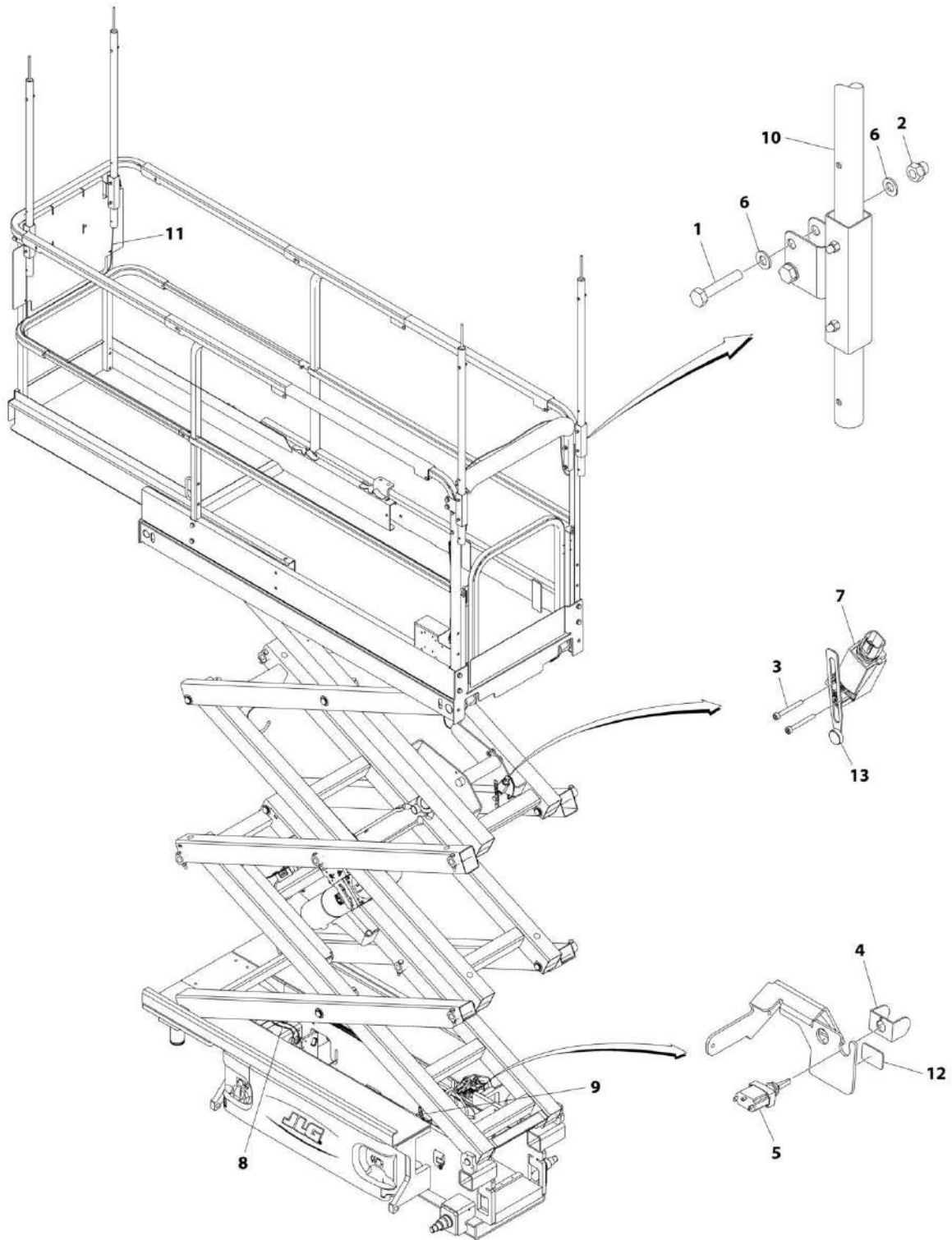
## SECTION 4 - PLATFORM

**FIGURE 4-33. LOW HEIGHT DRIVE CUTOUT (JAPANESE SPECS ONLY)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230753	Ref	LOW HEIGHT DRIVE CUTOUT (JAPANESE SPECS ONLY)	A
1	4031511	2	Capscrew M4 x 35	
2	4060906	1	Guard, Switch	
3	4360345	1	Switch	
4	1001130614	1	Switch, Limit	
5	1001213391	1	Harness, Low Height	
5	4460418	1	Connector - 6 Position	
5	4460419	3	Terminal	
5	4460884	2	Connector - 4 Position	
5	4460465	4	Socket, Female	
5	4460466	4	Seal	
5	4460932	2	Connector - 4 Position	
5	4460464	3	Pin, Male	
5	4460466	5	Seal	
6	1001214409	1	Decal - Low Drive Cutout	
7	1001231234	1	Lever, Switch	

# SECTION 4 - PLATFORM

FIGURE 4-34. OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY)



ART\_1001214119

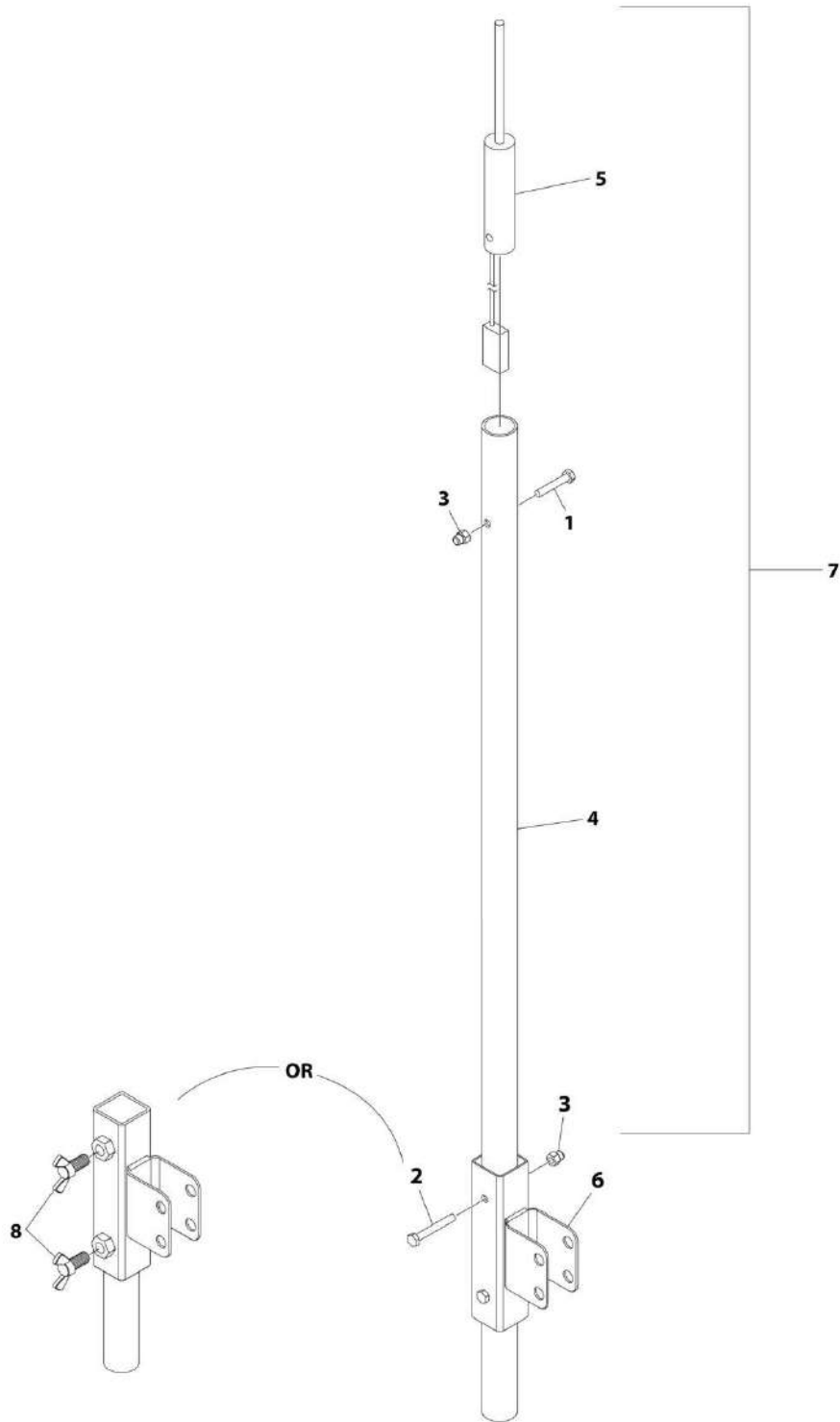
## SECTION 4 - PLATFORM

**FIGURE 4-34. OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214119	Ref	OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY)	B
1	0701019	8	Bolt M10 x 55	
2	3291006	8	Nut M10	
3	4031511	2	Capscrew M4 x 35	
4	4060906	1	Guard, Switch	
5	4360345	1	Switch	
6	4812000	16	Washer #10	
7	1001130614	1	Switch, Limit	
8	1001213391	1	Harness, Low Height	
8	4460418	1	Connector - 6 Position	
8	4460419	3	Terminal	
8	4460884	2	Connector - 4 Position	
8	4460465	4	Socket, Female	
8	4460466	4	Seal	
8	4460932	2	Connector - 4 Position	
8	4460464	3	Pin, Male	
8	4460466	5	Seal	
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	4	Overhead Switch Kit (See OVERHEAD SWITCH KIT (FRONT) for Breakdown)	
11	1001214340	1	Cable, Overhead Switches	
11	4460891	4	Connector - 2 Position	
11	4460465	8	Socket, Female	
12	1001214409	1	Decal - Low Drive Cutout	
13	1001231234	1	Lever, Switch (SN B200046649 to Present)	

# SECTION 4 - PLATFORM

## FIGURE 4-35. OVERHEAD SWITCH KIT (FRONT)



ART\_1001214311

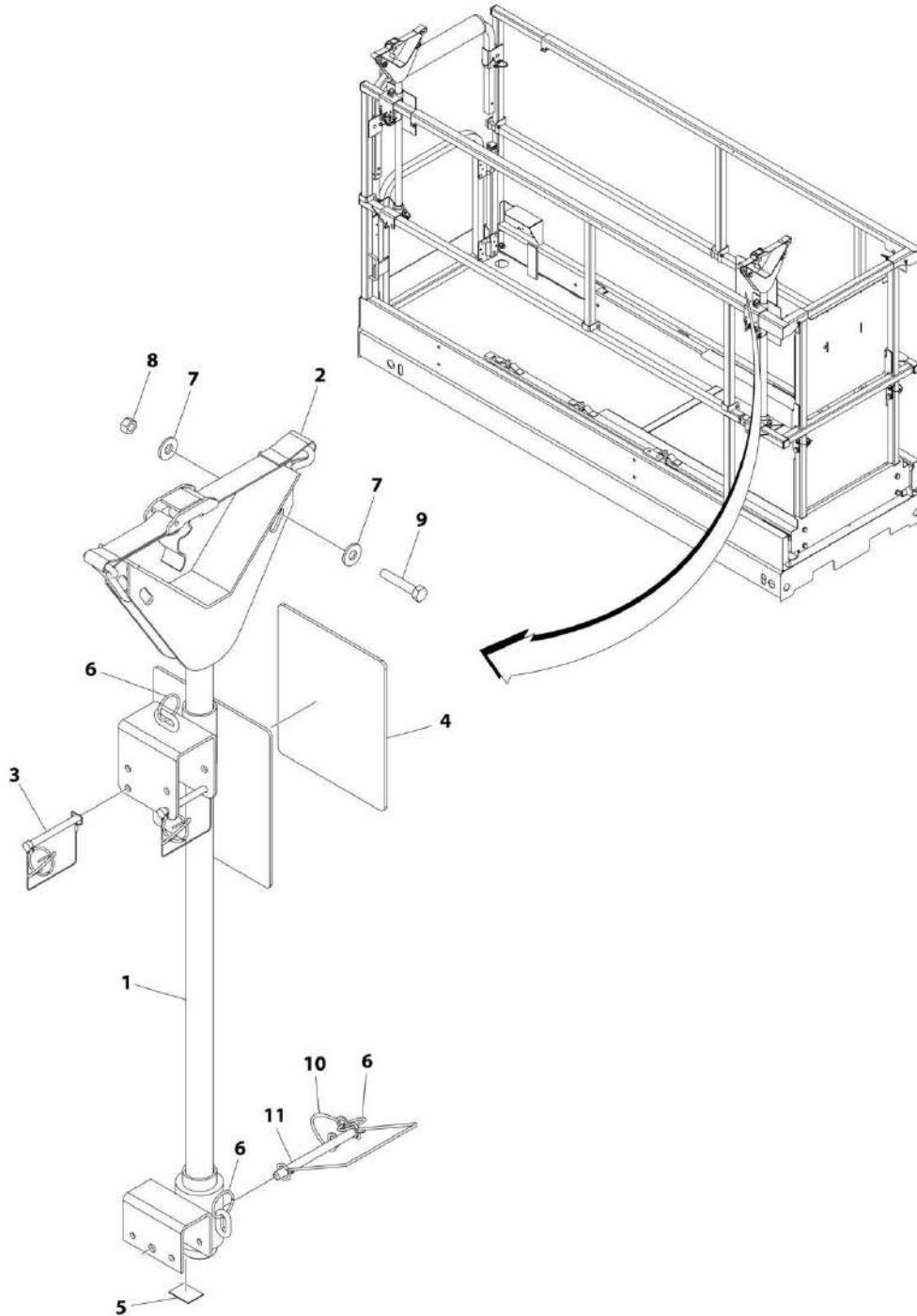
## SECTION 4 - PLATFORM

**FIGURE 4-35. OVERHEAD SWITCH KIT (FRONT)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214311	Ref	OVERHEAD SWITCH KIT (FRONT)	C
1	0700615	1	Bolt M6 x 35	
2	0710617	2	Bolt M6 x 45 <b>(SN B200020297 through B200046648)</b>	
3	3290606	AR	Nut M6	
4	1001213821	1	Tube	
5	1001213822	1	Switch	
5	7028909	1	Connector - 2 Position	
5	77363228	2	Terminal	
6	1001214310	1	Bracket	
7	1001217666	1	Switch Kit (Includes Items 1, 3, 4 & 5)	
8	1001222914	1	Screw, Thumb <b>(SN B200046649 to Present)</b>	

# SECTION 4 - PLATFORM

## FIGURE 4-36. PIPE RACK INSTALLATION (AUSTRALIAN AND CE SPECS)



ART\_1001229469



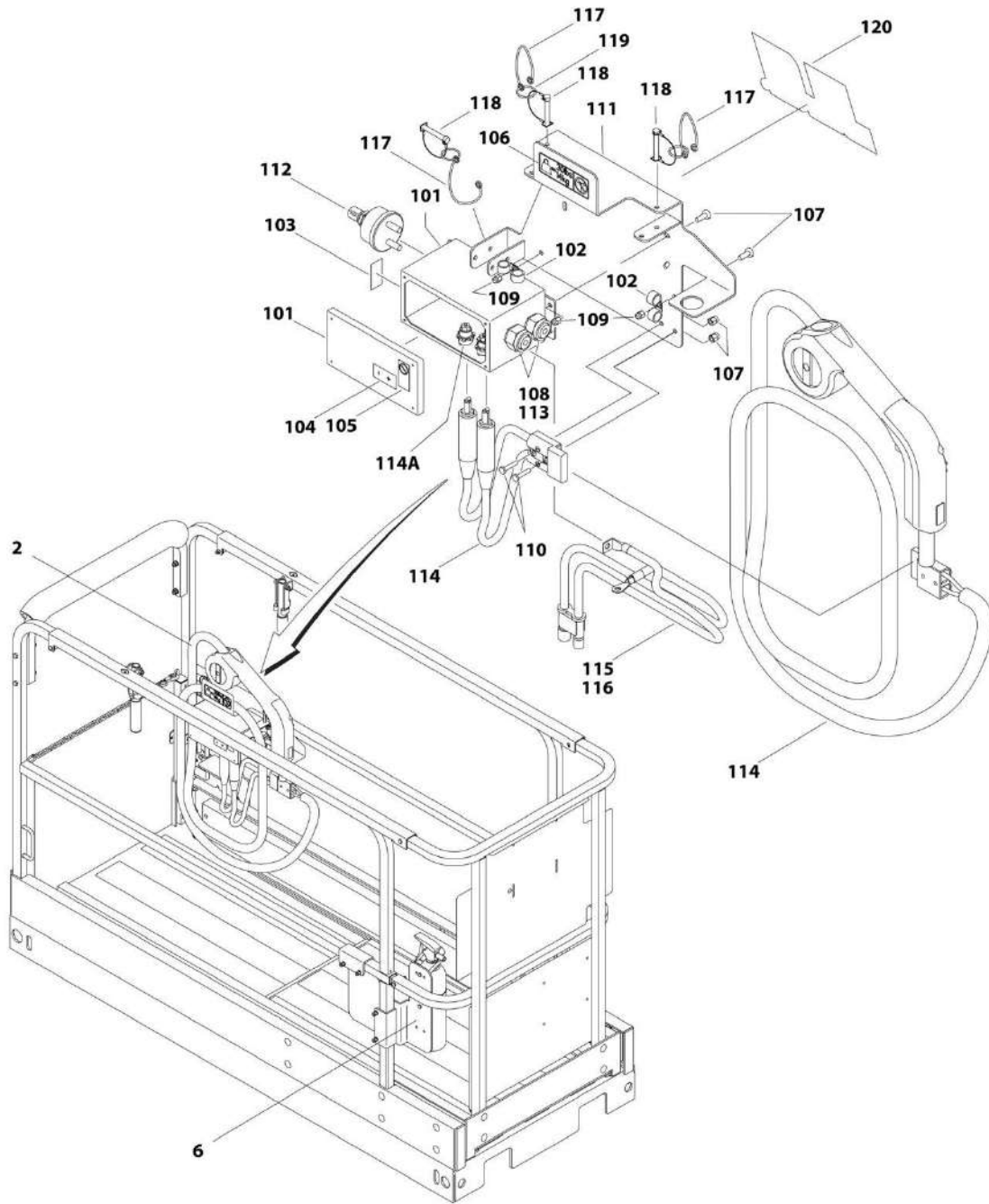
## SECTION 4 - PLATFORM

**FIGURE 4-36. PIPE RACK INSTALLATION (AUSTRALIAN AND CE SPECS)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229469	Ref	PIPE RACK INSTALLATION	A
1	1001199189	2	Rack, Pipe	
2	0480100	2	Tie-Down	
3	1001187587	4	Pin, Lanyard	
4	1001229441	2	Decal - Capacity	
5	4420062	AR	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 4-37. QUIK WELDER INSTALLATION



ART\_0272879

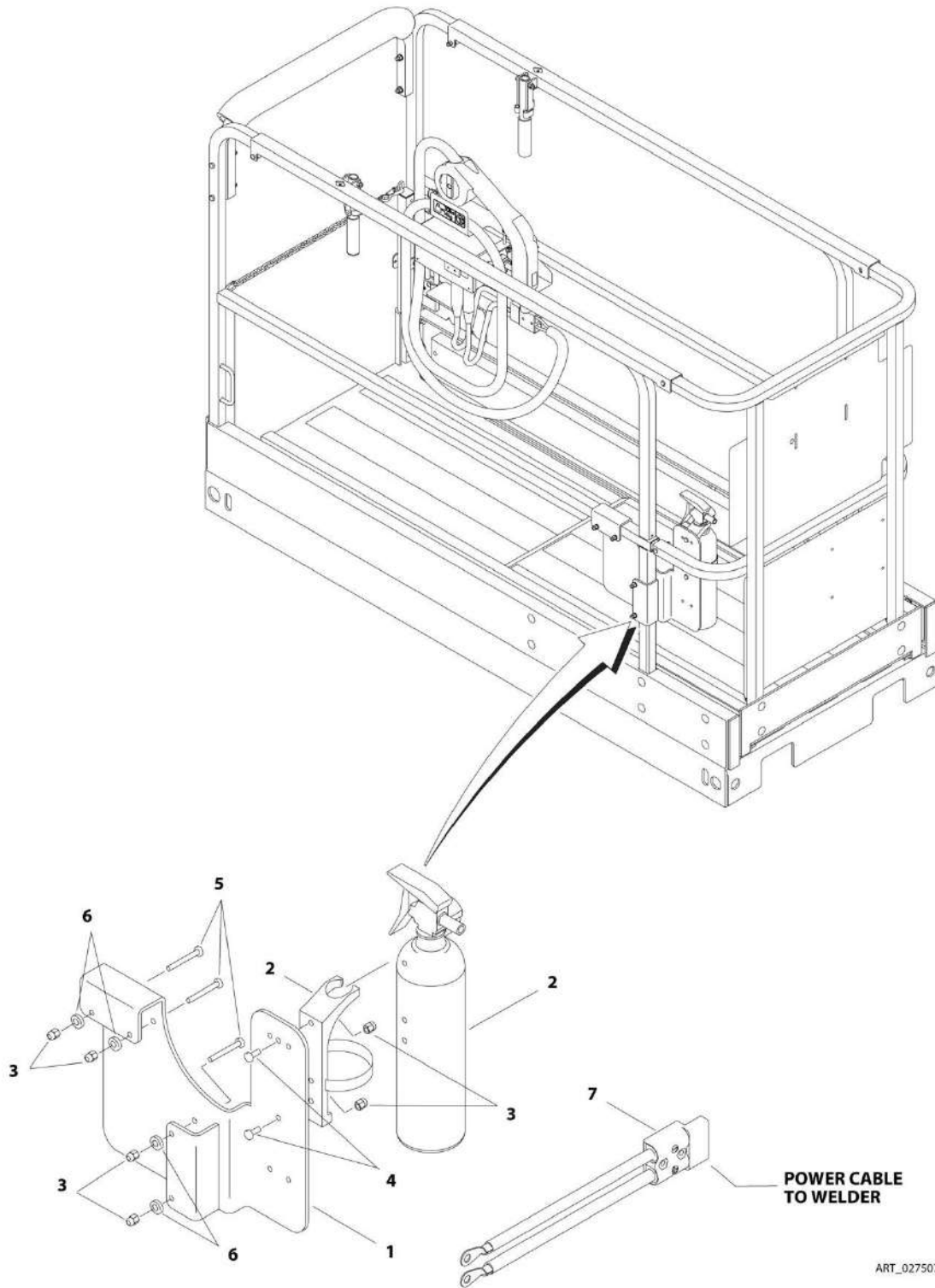
## SECTION 4 - PLATFORM

**FIGURE 4-37. QUIK WELDER INSTALLATION**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272879	Ref	QUIK WELDER INSTALLATION	D
2	2902334	1	Kit, Quik Welder (See Items 101-120 for Breakdown)	
6	0275072	1	Quik Welder Ready (See QUIK WELDER READY for Breakdown)	
	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	

# SECTION 4 - PLATFORM

## FIGURE 4-38. QUIK WELDER READY INSTALLATION



## SECTION 4 - PLATFORM

### FIGURE 4-38. QUIK WELDER READY INSTALLATION

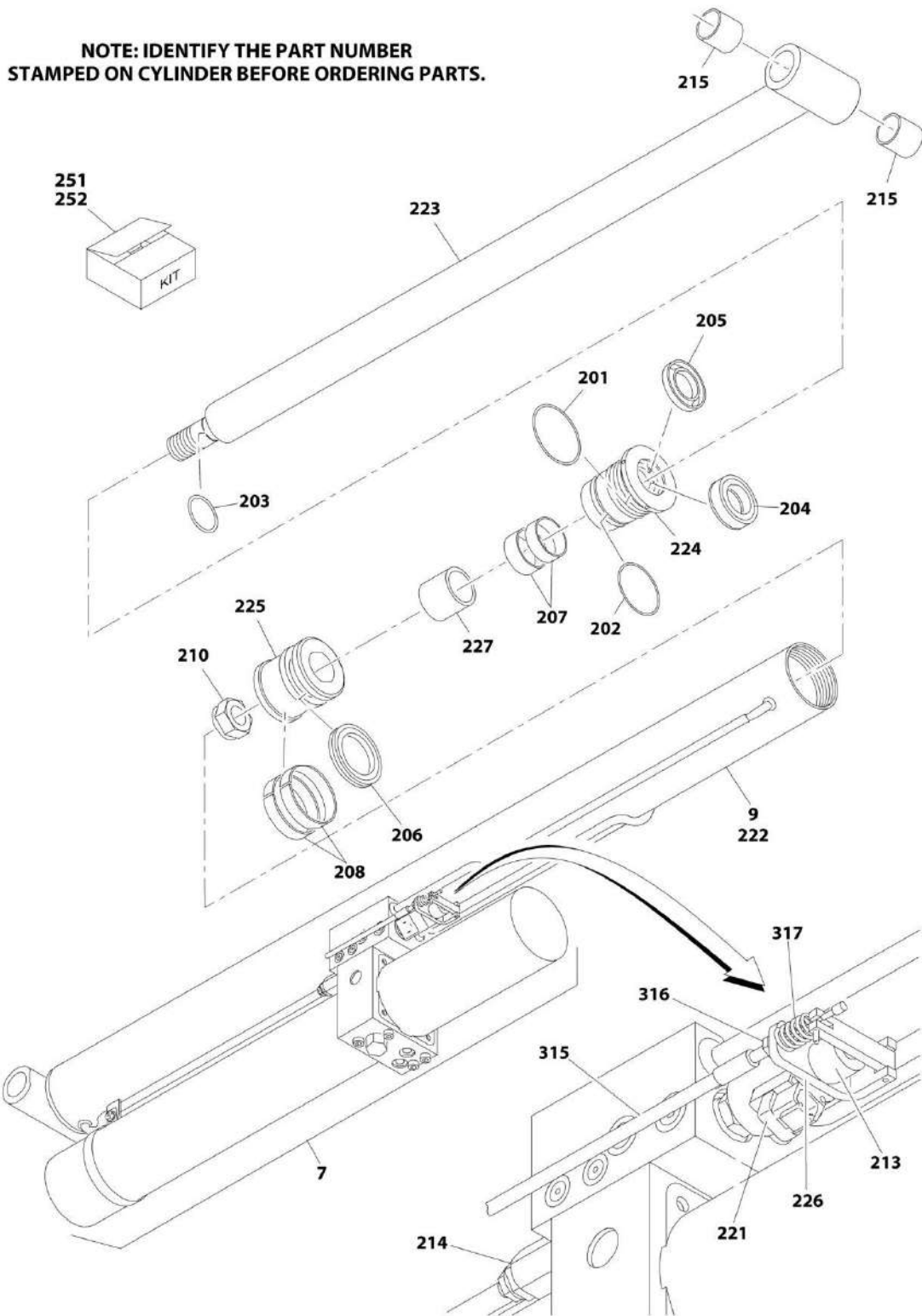
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275072	Ref	QUIK WELDER READY INSTALLATION	B
1	0903416	1	Bracket, Fire Extinguisher Mount	
2	2030010	1	Extinguisher, Fire	
3	3290606	6	Nut M6 x 1	
4	4010608	2	Screw M6 x 16	
5	4010618	4	Screw M6 x 50	
6	4811700	4	Washer M6	
7	4923049	1	Cable, Quik Welder Power	



**SECTION 5 - CYLINDER**

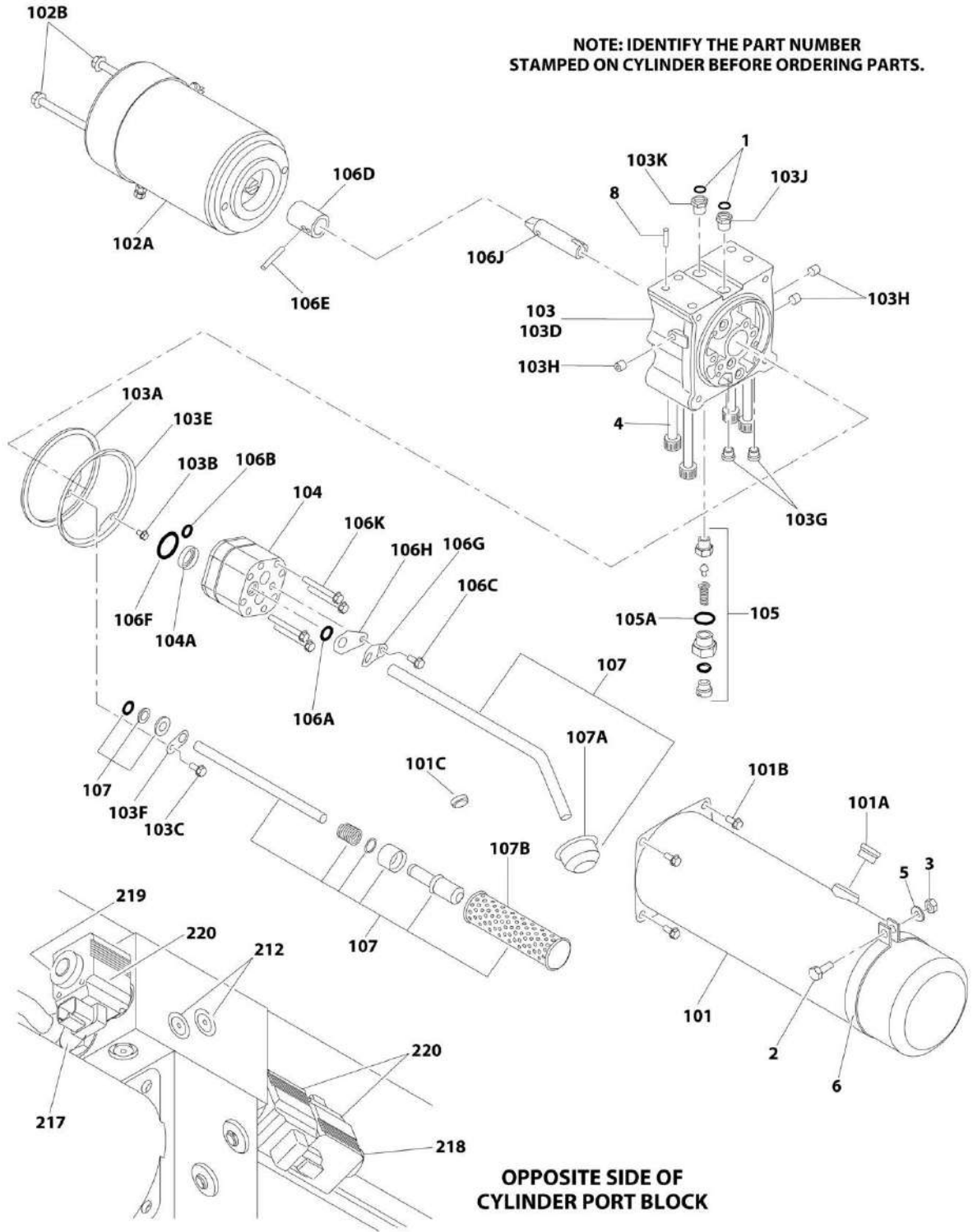
# SECTION 5 - CYLINDER

## FIGURE 5-1. LIFT CYLINDER ASSEMBLY- 1930ES (TEXAS HYDRAULICS)





# SECTION 5 - CYLINDER



# SECTION 5 - CYLINDER

## FIGURE 5-1. LIFT CYLINDER ASSEMBLY- 1930ES (TEXAS HYDRAULICS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	LIFT CYLINDER ASSEMBLY - 1930ES (TEXAS HYDRAULICS)	
	1684484	Ref	Lift Cylinder Assembly 1930ES with Standard Hydraulic Oil	H
	1684526	Ref	Lift Cylinder Assembly 1930ES with Biodegradeable Hydraulic Oil	G
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	7023577	2	O-Ring	
2	See Note	NSS	Capscrew (Note: Purchase Locally)	
3	See Note	NSS	Locknut (Note: Purchase Locally)	
4	7023589	4	Capscrew	
5	See Note	NSS	Flatwasher (Note: Purchase Locally)	
6	See Note	NLA	Clamp (Note: Not Available)	
7		Ref	Power Pack Assembly - Complete Options (See Items 101-107B for Breakdown):	
7	7023558	1	Power Pack Assembly - Complete	
8	70003646	2	Pin, Dowel	
8	70003645	2	Roll Pin	
9	See Note	NSS	Cylinder Assembly Only (Note: See Items 201-227 for Breakdown)	
		Ref	POWER PACK ASSEMBLY - COMPLETE	
	7023558	Ref	Power Pack Assembly - Complete (1684484/1684526 Cylinders)	
101		Ref	Tank Kit Options (Note: Includes Tank and Items 101A-101C):	
101	7023569	1	Tank Kit	
101A	7023593	1	Plug, Fill	
101B	See Note	NSS	Screw (Note: Use Item 101)	
101C	See Note	NSS	Magnet (Note: Use Item 101)	
102		Ref	Motor Options:	
102A	7023570	1	Motor	
102A	70000658	1	Brush Kit - 7023570 Motor	
102B	See Note	NSS	Screw (Note: Use Item 102A Motor)	
103	7023571	1	Adapter Kit	
103A	70000335	1	O-Ring	
103B	See Note	NSS	Screw (Note: Use Item 103)	
103C	See Note	NSS	Screw (Note: Use Item 103)	
103D	See Note	NSS	Adapter (Note: Use Item 103)	
103E	See Note	1	Seal (Note: Use Item 252)	
103F	See Note	NSS	Retainer (Note: Use Item 103)	
103G	2220883	2	Plug	
103H	See Note	NSS	Plug (Note: Use Item 103)	
103J	See Note	NSS	Breather 9/16 - 12UNC (Note: Use Item 103)	
103K	See Note	NSS	Breather 9/16 - 18SAE (Note: Use Item 103)	
104		Ref	Pump Options: (Note: Shaft Seal is only Repair Part Available. No Other Service Parts Available - Replace Complete Pump)	
104	7023572	1	Pump	
104A	See Note	1	Seal, Shaft (Note: Use Item 252)	
105	7023573	1	Relief Valve Assembly	
105A	7023591	1	Sealing Washer	
106		Ref	Power Pack Miscellaneous Service Parts	
106A	See Note	NSS	Seal (Note: Use Item 7)	
106B	See Note	1	Seal (Note: Use Item 252)	
106C	See Note	NSS	Seal (Note: Use Item 7)	

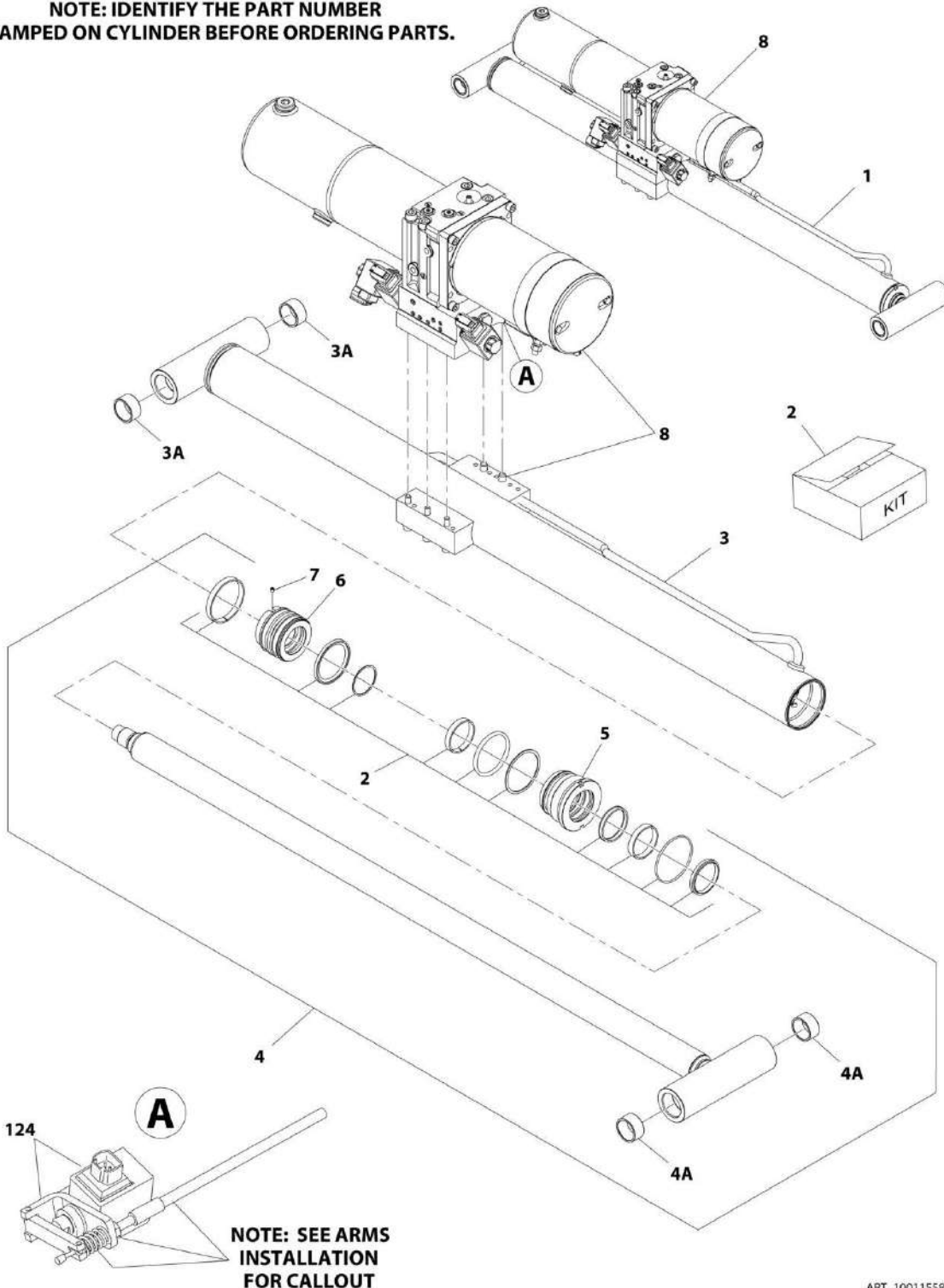
## SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106D	See Note	NSS	Sleeve (Note: Use Item 106J)	
106E	See Note	NSS	Roll Pin (Note: Use Item 106J)	
106F	See Note	1	Seal (Note: Use Item 252)	
106G	See Note	NSS	Tab, Locking (Note: Use Item 7)	
106H	See Note	NSS	Retainer, Tube (Note: Use Item 7)	
106J	7023574	1	Coupler Kit (Includes Items 106D & 106E)	
106K	See Note	NSS	Screw (Note: Use Item 7)	
107	7023575	1	Tube Kit	
107A	See Note	NSS	Strainer (Note: Use Item 107)	
107B	7023576	1	Filter Element (Includes Seal)	
		Ref	CYLINDER ASSEMBLY ONLY COMPONENTS	
201	See Note	1	O-Ring (Note: Use Item 251)	
202	See Note	1	O-Ring (Note: Use Item 251)	
203	See Note	2	O-Ring (Note: Use Item 251)	
204	See Note	1	Seal (Note: Use Item 251)	
205	See Note	1	Wiper (Note: Use Item 251)	
206	See Note	1	Seal (Note: Use Item 251) (Note: This is a 3 piece seal. Assembly may be required)	
207	See Note	2	Ring, Wear (Note: Use Item 251)	
208	See Note	2	Ring, Wear (Note: Use Item 251)	
210	See Note	NSS	Locknut (Note: Purchase Complete Assembly)	
211	2220883	4	Plug, Steel (SAE #4) (Not Shown)	
212	2220882	8	Plug, Steel (SAE #3)	
213	7023543	1	Valve, Proportional (Lift Down)	
214	7023542	1	Valve, Relief (Steer)	
215	0962257	2	Bushing	
217	7023538	1	Valve, Check	
218	7023537	1	Directional Control Valve (Steer)	
219	7023536	1	Directional Control Valve (Lift Up)	
220	70000798	3	Coil (Steer and Lift Up)	
221	70000799	1	Coil (Lift Down)	
222	7023553	1	Barrel	
223	7023552	1	Rod	
224	7023551	1	Head	
225	7023550	1	Piston	
226	7023530	1	Emergency Release Assembly	
227	Not Required	0	Spacer	
		Ref	SEAL KIT OPTIONS	
251	7023554	1	Seal Kit - Cylinder (Includes Items 201-208)	
252	70001709	Ref	Seal Kit - Reservoir/Pump Options (Includes 103A, 103E, 104A, 106B & 106F)	
		Ref	MANUAL DESCENT COMPONENTS	
	0274874	Ref	Manual Descent Components with Standard Hydraulic Oil	G
	0275692	Ref	Manual Descent Components with Biodegradable Hydraulic Oil	E
315		Ref	Cable, Pull Options:	
315	1061036	1	Cable, Pull - 9ft/2.74m Length	
315	7020218	1	T-Handle (With 1/4in-20 Threads)	
315	70001878	1	T-Handle (With 5mm Threads)	
316	3321402	1	Nut, Jam 1/4in-18NF	
317	4160078	1	Spring	

# SECTION 5 - CYLINDER

**FIGURE 5-2. LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SERTA) (SN 0200239382 through 0200258871, SN B200020297 through B200032100, SN M200000100 through M200003501)**

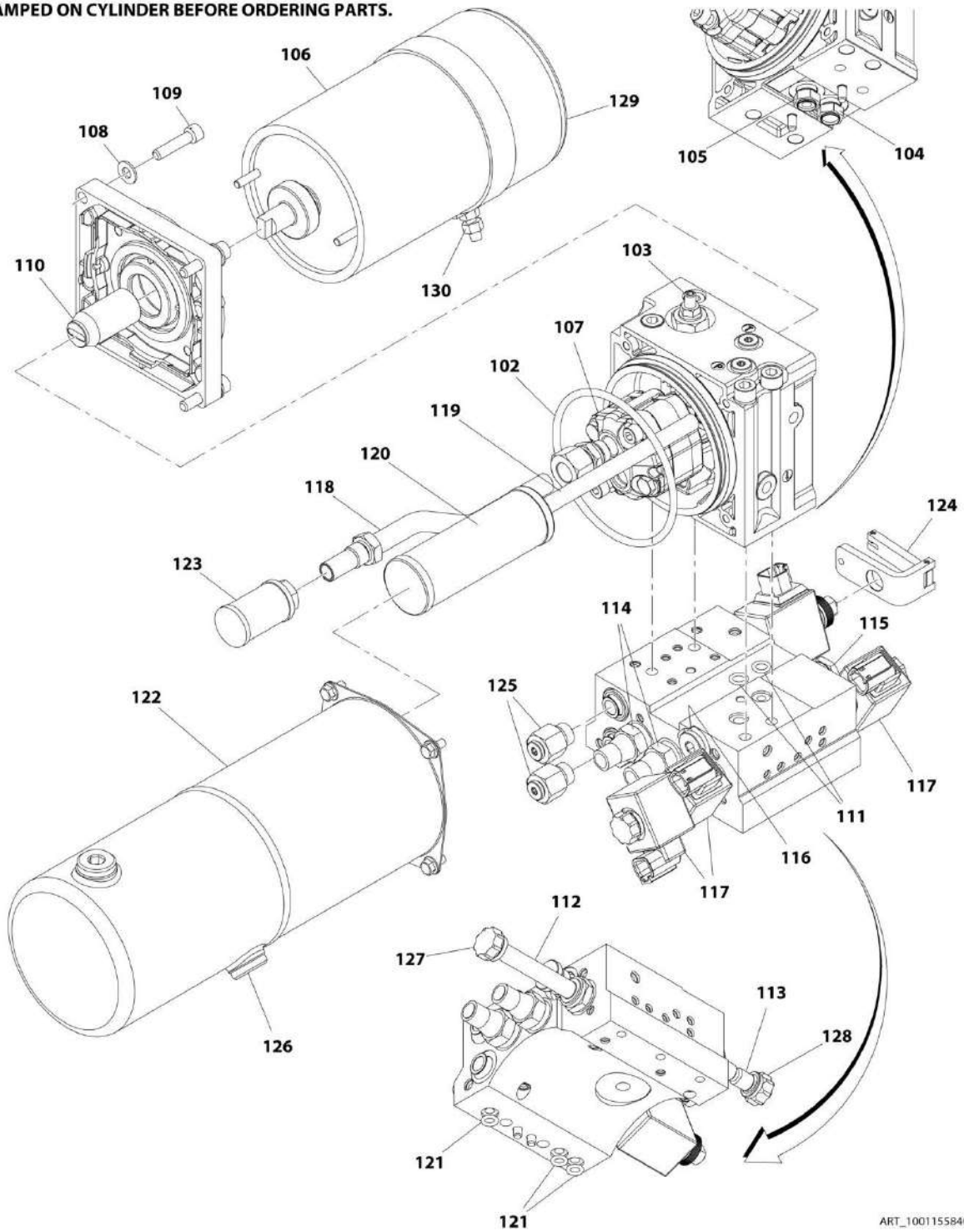
**NOTE: IDENTIFY THE PART NUMBER STAMPED ON CYLINDER BEFORE ORDERING PARTS.**



ART\_1001155840\_1

# SECTION 5 - CYLINDER

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



ART\_1001155840\_2

## SECTION 5 - CYLINDER

**FIGURE 5-2. LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SERTA) (SN 0200239382 through 0200258871, SN B200020297 through B200032100, SN M200000100 through M200003501)**

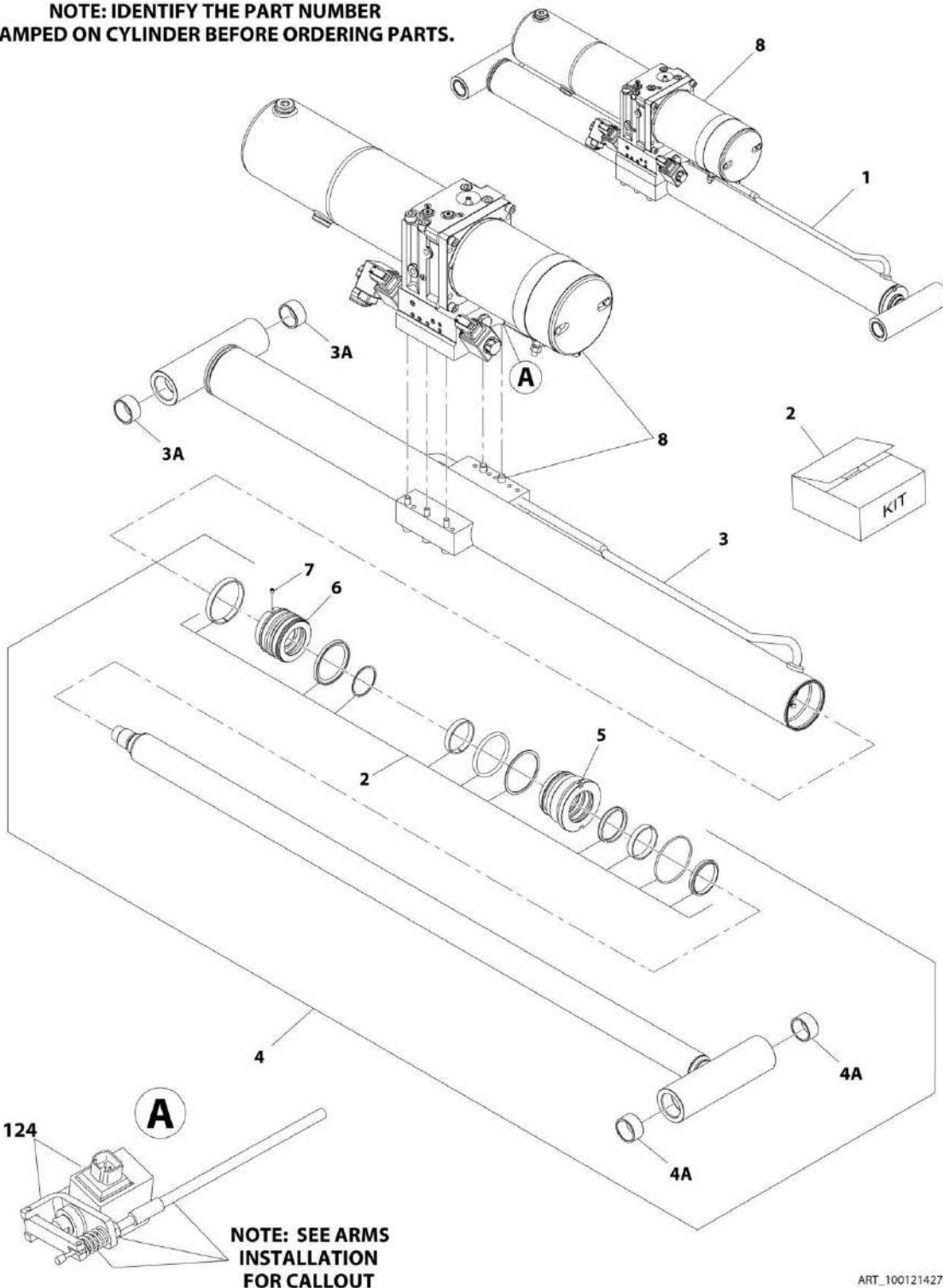
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155840	Ref	LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SERTA) (SN 0200239382 through 0200258871, SN B200020297 through B200032100, SN M200000100 through M200003501)	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004721	1	Cylinder Assembly Less Powerpack	
2	70004720	1	Seal Kit	
3	70004719	1	Barrel	
3A	0962257	2	Bushing	
4	70004718	1	Rod Assembly (Includes Items 2, 4A, 5, 6 & 7)	
4A	0962257	1	Bushing	
5	70006083	1	Head, Cylinder	
6	70006082	1	Piston	
7	70023915	1	Screw	
8	70004938	1	Motor/Pump/Tank Assembly( Includes Items 102-121)	
		Ref	MOTOR/PUMP/TANK ASSEMBLY	
	70004938	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	70004970	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	70004932	1	Pipe, Suction	
119	70004934	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005234	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 - 1930ES WITH STANDARD HYDRAULIC OIL (SERTA) (SN 0200258872 to Present, SN B200032101 to Present, SN M200003501 to Present)

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

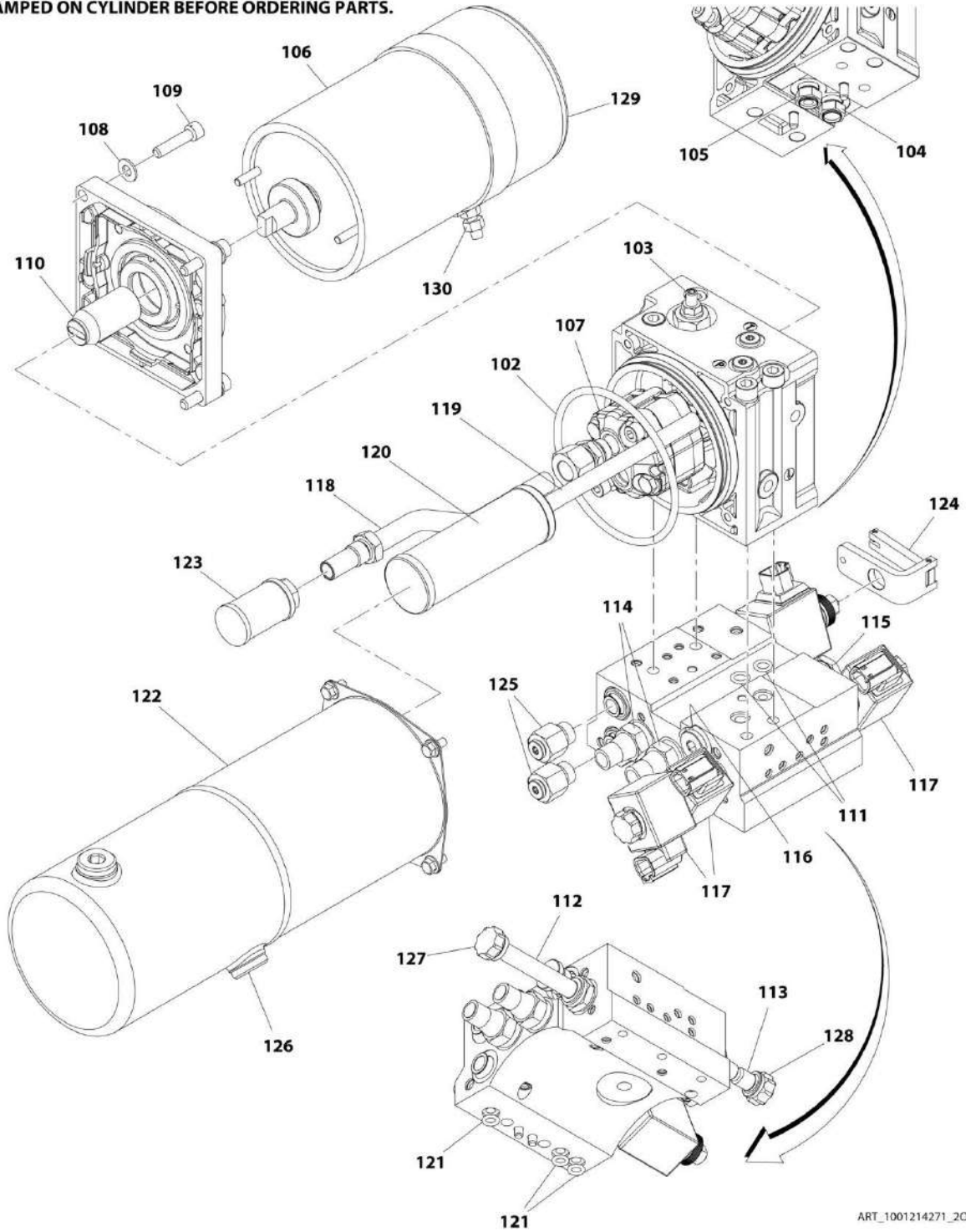


ART\_1001214271\_10F2



# SECTION 5 - CYLINDER

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



ART\_1001214271\_20F2

## SECTION 5 - CYLINDER

**FIGURE 5-3. LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SERTA) (SN 0200258872 to Present, SN B200032101 to Present, SN M200003501 to Present)**

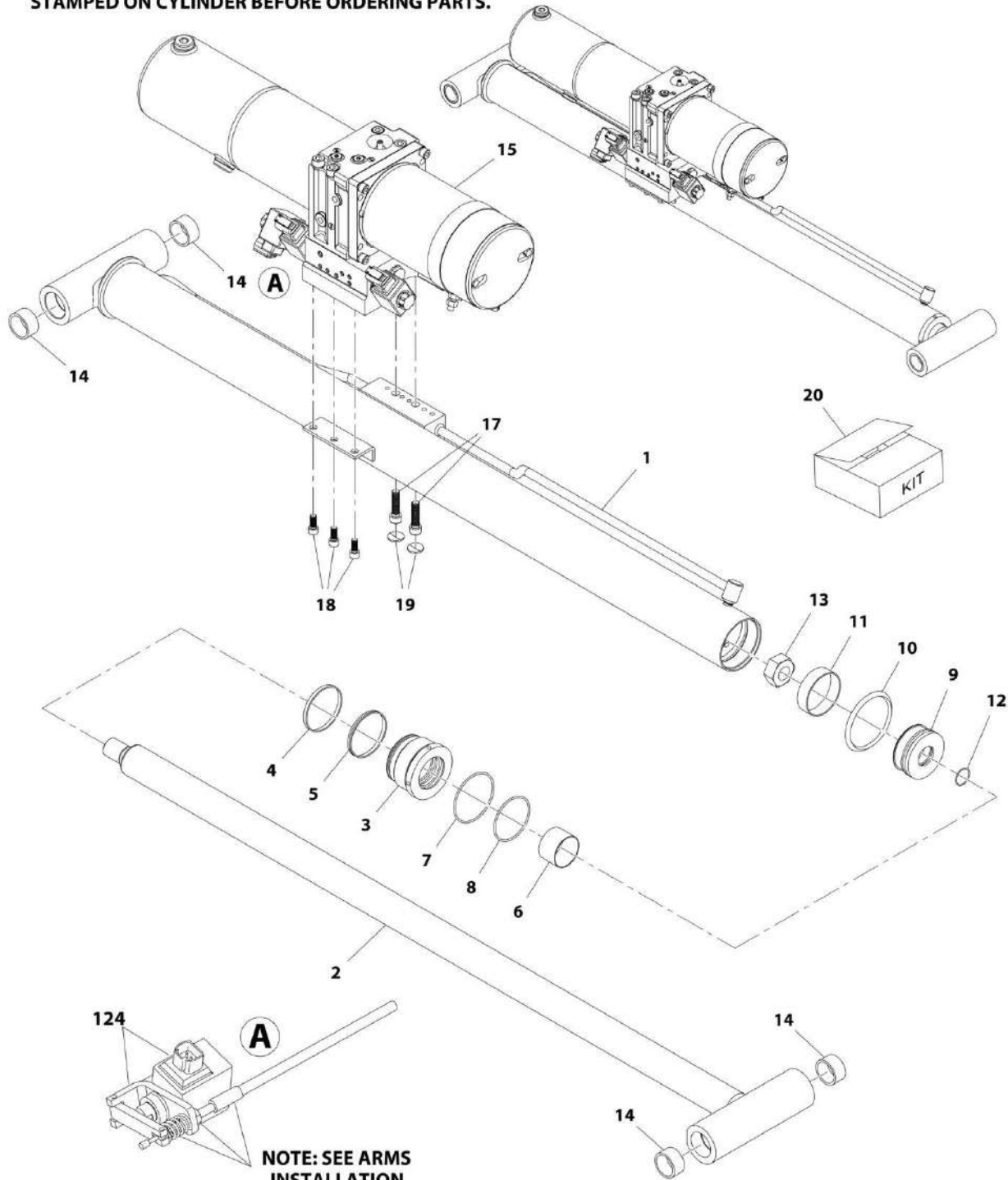
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214271	Ref	LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SERTA) (SN 0200258872 to Present, SN B200032101 to Present, SN M200003502 to Present)	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005969	1	Cylinder Assembly Less Powerpack	
2	70004720	1	Seal Kit	
3	70005968	1	Barrel	
3A	0962257	2	Bushing	
4	70004718	1	Rod Assembly (Includes Items 2, 4A, 5, 6 & 7)	
4A	0962257	1	Bushing	
5	70006083	1	Head, Cylinder	
6	70006082	1	Piston	
7	70023915	1	Screw	
8	70004938	1	Motor/Pump/Tank Assembly (Includes Items 102-121)	
8	70005970	1	Screw, Mounting	
8	70005971	1	Screw, Mounting	
		Ref	MOTOR/PUMP/TANK ASSEMBLY	
	70004938	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	70004970	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	70004932	1	Pipe, Suction	
119	70004934	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005234	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 5-4. LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SH-PAC) (SN 0200239382 through 0200258871, SN B200020297 through B200032100, SN M200000100 through M200003501)

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

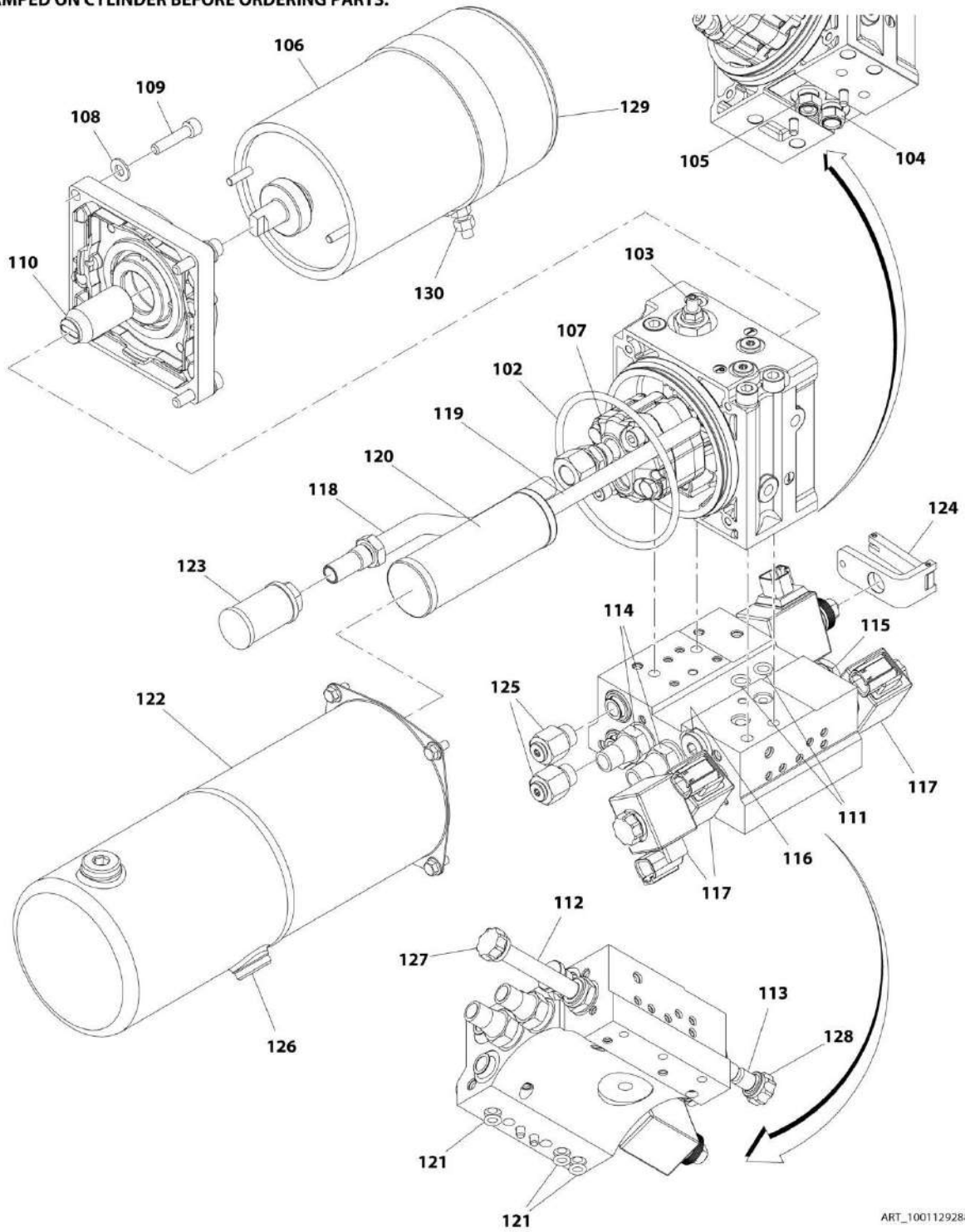


**NOTE: SEE ARMS INSTALLATION FOR CALLOUTS**

ART\_1001129288\_1

# SECTION 5 - CYLINDER

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



ART\_1001129288\_2

## SECTION 5 - CYLINDER

**FIGURE 5-4. LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SH-PAC) (SN 0200239382 through 0200258871, SN B200020297 through B200032100, SN M200000100 through M200003501)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129288	Ref	LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SH-PAC) (SN 0200239382 through 0200258871, SN B200020297 through B200032100, SN M200000100 through M200003501)	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004620	1	Barrel	
2	70004621	1	Rod	
3	70004622	1	Head, Cylinder	
4	See Note	NSS	Seal, Dust (Note: Use Item 20)	
5	See Note	NSS	Seal (Note: Use Item 20)	
6	70004237	1	Bearing	
7	See Note	NSS	O-Ring (Note: Use Item 20)	
8	See Note	NSS	O-Ring (Note: Use Item 20)	
9	70004623	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	0962257	4	Bushing	
15	70004938	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
16	See Note	1	O-Ring (Note: Use Item 20)	
17	70004624	2	Capscrew M10 x 40	
18	70004625	3	Capscrew M8 x 20	
19	70004626	2	Plug, Extension	
20	70004627	1	Seal Kit - Cylinder (Includes Items 4, 5, 7, 8, 10, 11, 12 & 16)	
		Ref	MOTOR/PUMP/TANK ASSEMBLY	
	70004938	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	70004970	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	70004932	1	Pipe, Suction	
119	70004934	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	

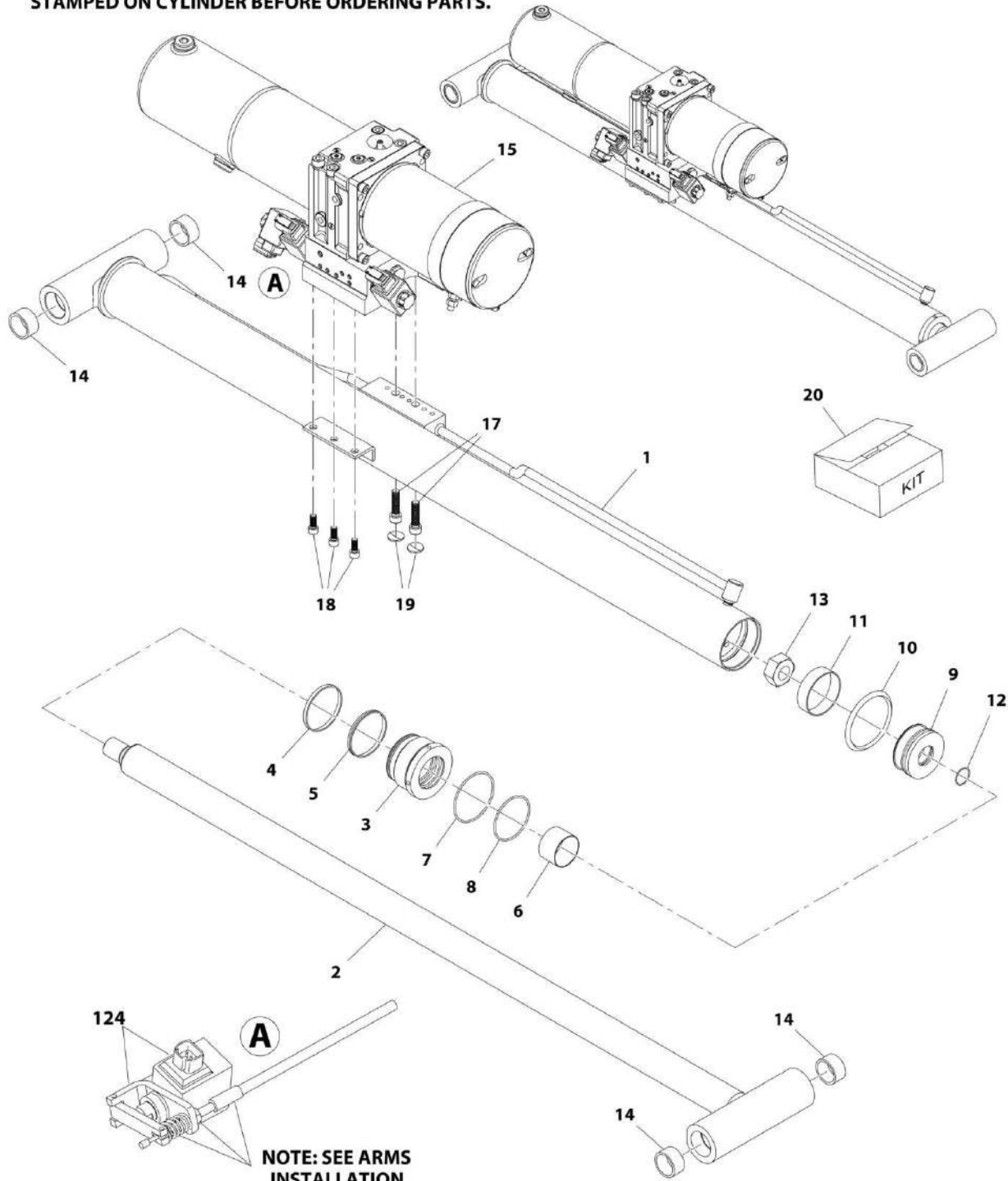
## SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
122	70005234	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	

# SECTION 5 - CYLINDER

FIGURE 5-5. LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SH-PAC) (SN 0200258872 to Present, SN 1200025021 to Present, SN B200032101 to Present, SN M200003502 to Present)

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



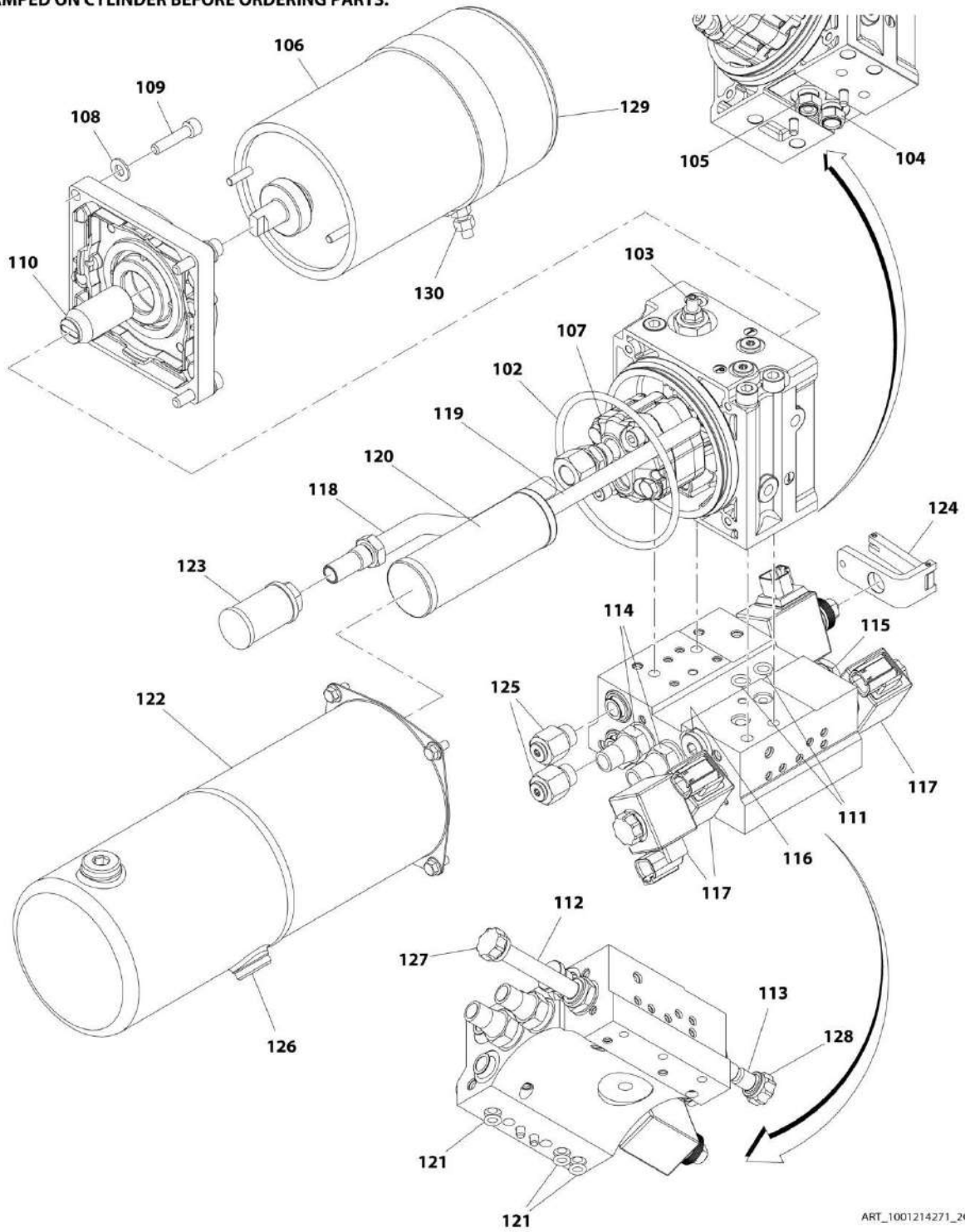
**NOTE: SEE ARMS INSTALLATION FOR CALLOUTS**

ART\_1001214270\_10F2



# SECTION 5 - CYLINDER

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



ART\_1001214271\_20F2

## SECTION 5 - CYLINDER

**FIGURE 5-5. LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SH-PAC) (SN 0200258872 to Present, SN 1200025021 to Present, SN B200032101 to Present, SN M200003502 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214270	Ref	LIFT CYLINDER ASSEMBLY - 1930ES WITH STANDARD HYDRAULIC OIL (SH-PAC) (SN 0200258872 to Present, SN 1200025021 to Present, SN B200032101 to Present, SN M200003502 to Present)	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005975	1	Barrel	
2	70004621	1	Rod	
3	70004622	1	Head, Cylinder	
4	See Note	NSS	Seal, Dust (Note: Use Item 20)	
5	See Note	NSS	Seal (Note: Use Item 20)	
6	70004237	1	Bearing	
7	See Note	NSS	O-Ring (Note: Use Item 20)	
8	See Note	NSS	O-Ring (Note: Use Item 20)	
9	70004623	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	0962257	1	Bushing	
15	70004938	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
16	See Note	1	O-Ring (Note: Use Item 20)	
17	70004624	2	Capscrew M10 x 40	
18	70004625	3	Capscrew M8 x 20	
19	70004626	2	Plug, Extension	
20	See Note	1	Seal Kit - Cylinder (Includes Items 4, 5, 7, 8, 10, 11, 12 & 16)	
		Ref	MOTOR/PUMP/TANK ASSEMBLY	
	70004938	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	70004970	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	70004932	1	Pipe, Suction	
119	70004934	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	

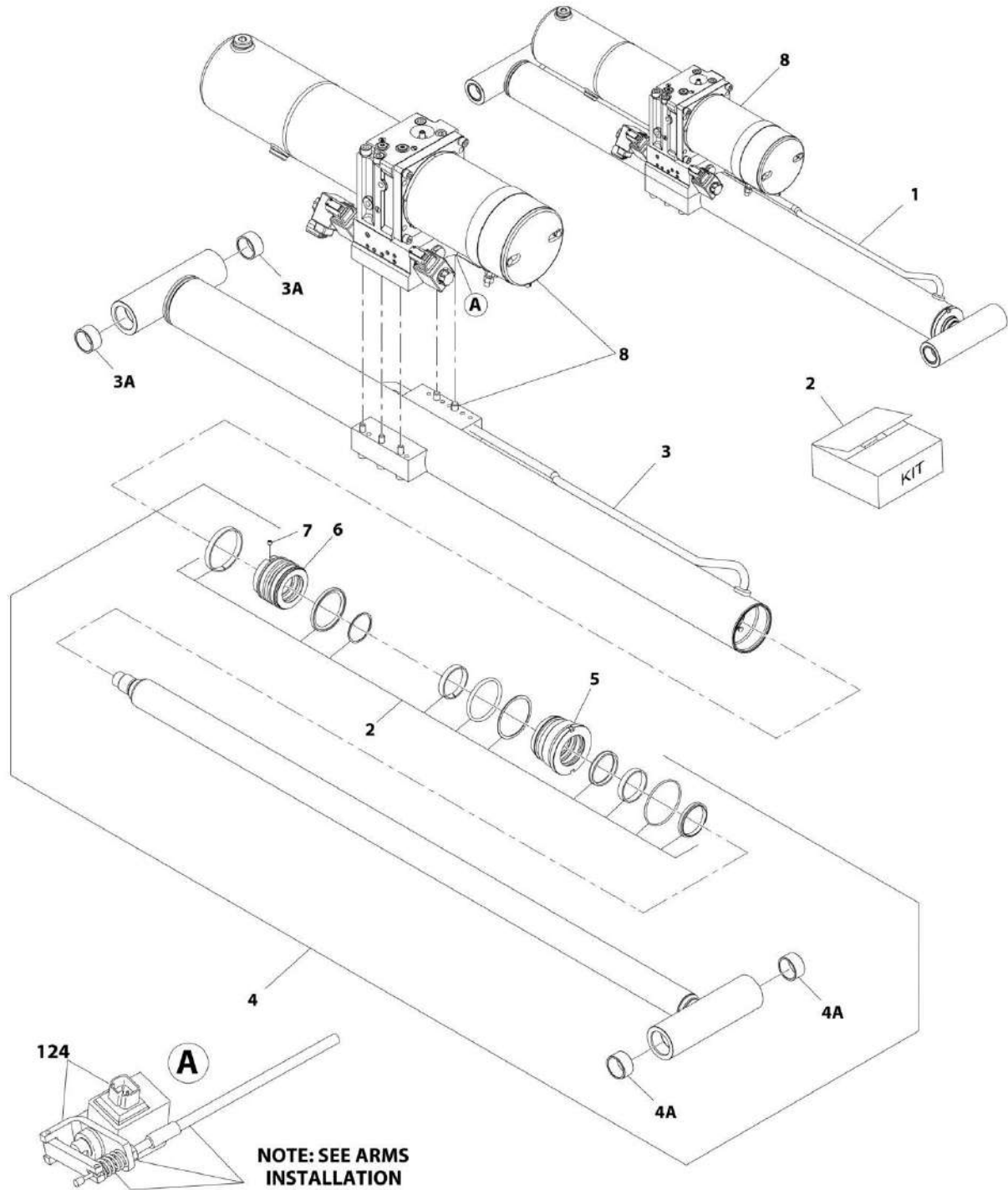
## SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
122	70005234	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	

# SECTION 5 - CYLINDER

FIGURE 5-6. LIFT CYLINDER ASSEMBLY - 1930ES WITH BIODEGRADABLE HYDRAULIC OIL (SERTA)

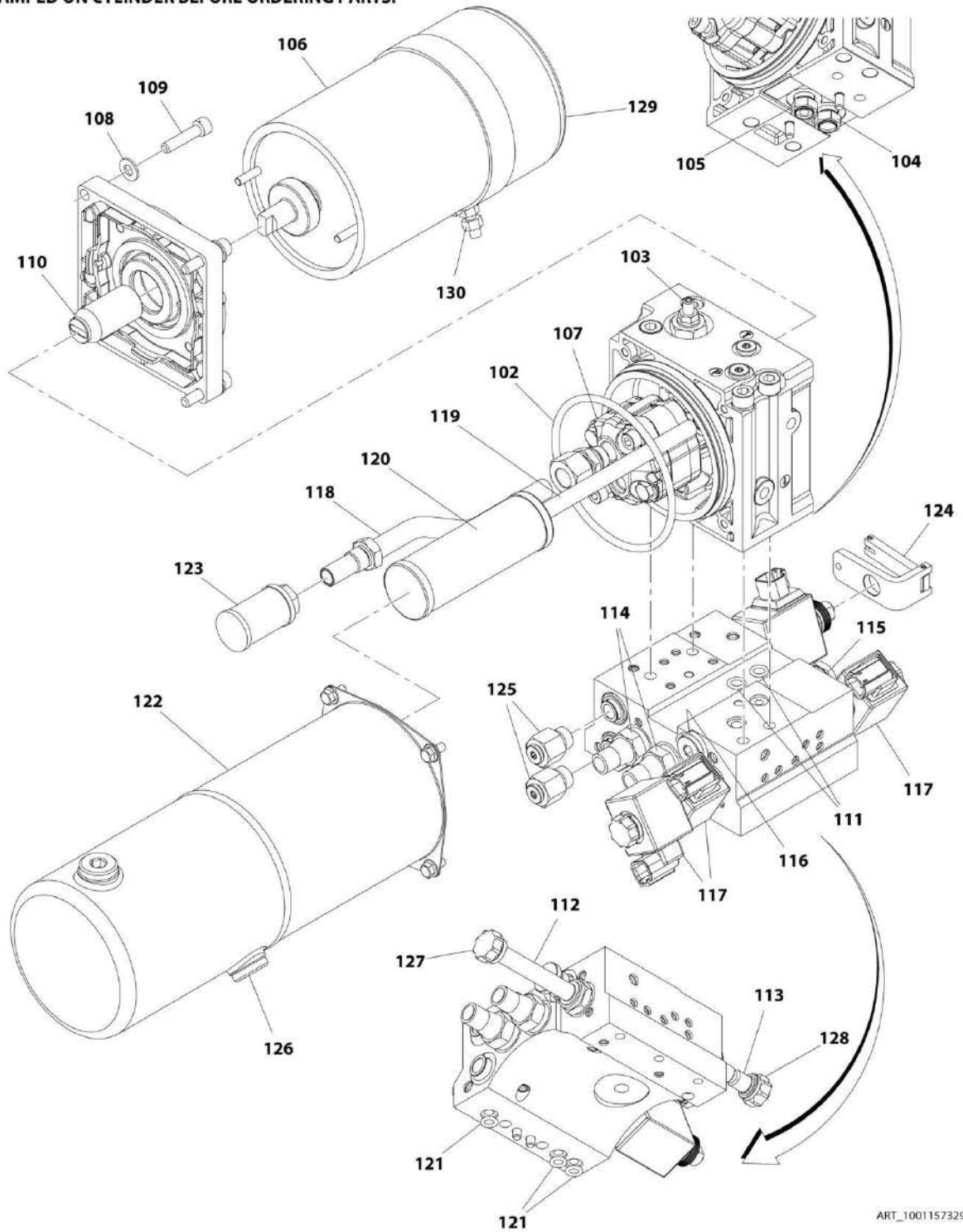
NOTE: IDENTIFY THE PART NUMBER STAMPED ON CYLINDER BEFORE ORDERING PARTS.



ART\_1001157329\_1

# SECTION 5 - CYLINDER

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



ART\_1001157329\_2

## SECTION 5 - CYLINDER

**FIGURE 5-6. LIFT CYLINDER ASSEMBLY - 1930ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA)**

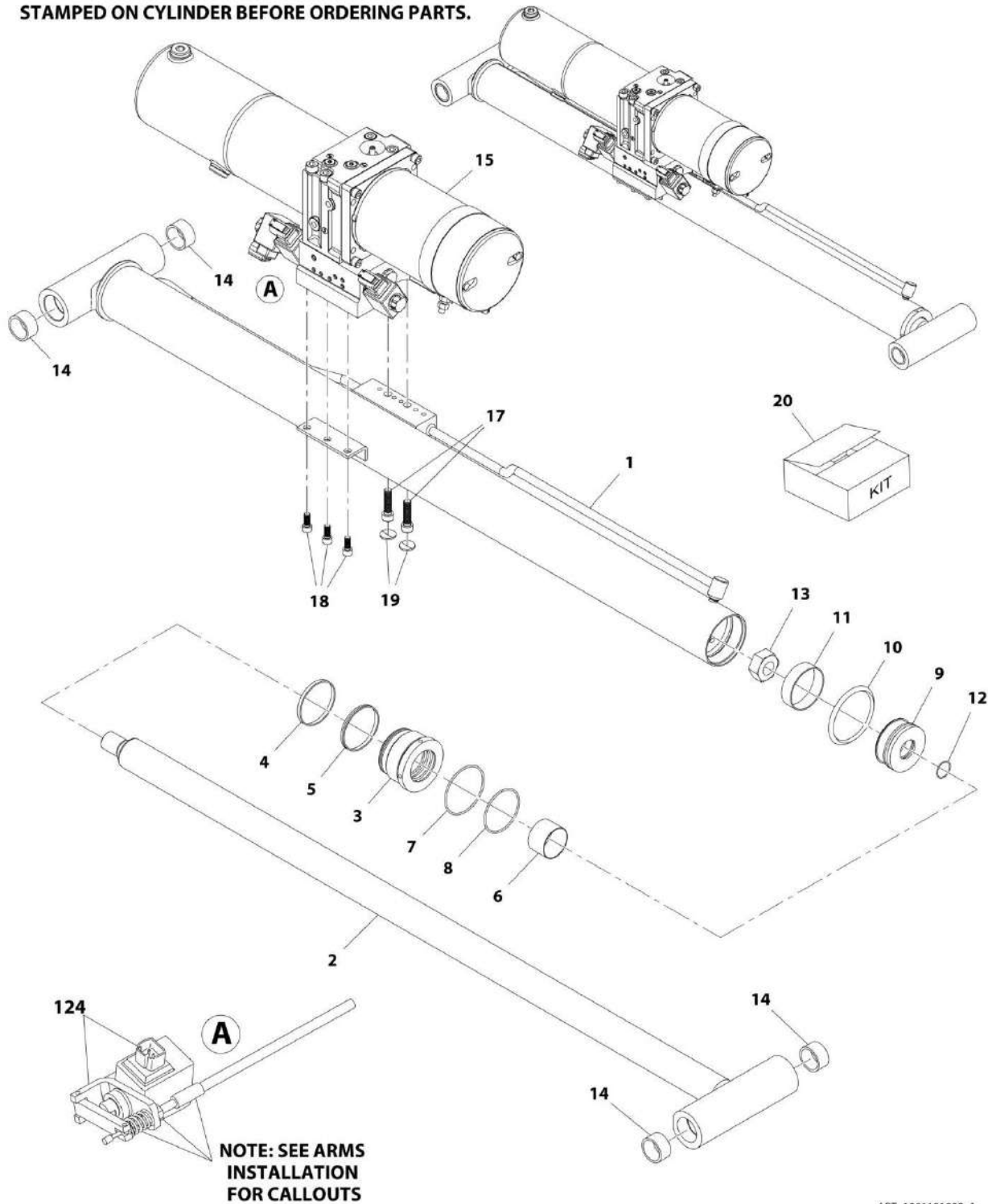
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157329	Ref	LIFT CYLINDER ASSEMBLY - 1930ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA)	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004721	1	Cylinder Assembly Less Powerpack	
2	70004720	1	Seal Kit	
3	70004719	1	Barrel	
3A	0962257	2	Bushing	
4	70004718	1	Rod Assembly (Includes Items 2, 4A, 5, 6 & 7)	
4A	0962257	1	Bushing	
5	70006083	1	Head, Cylinder	
6	70006082	1	Piston	
7	70023915	1	Screw	
8	70004938	1	Motor/Pump/Tank Assembly (Includes Items 102-121)	
		Ref	MOTOR/PUMP/TANK ASSEMBLY	
	70004938	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	70004970	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	70004932	1	Pipe, Suction	
119	70004934	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005234	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 5-7. LIFT CYLINDER ASSEMBLY - 1930ES WITH BIODEGRADABLE HYDRAULIC OIL (SH-PAC)

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

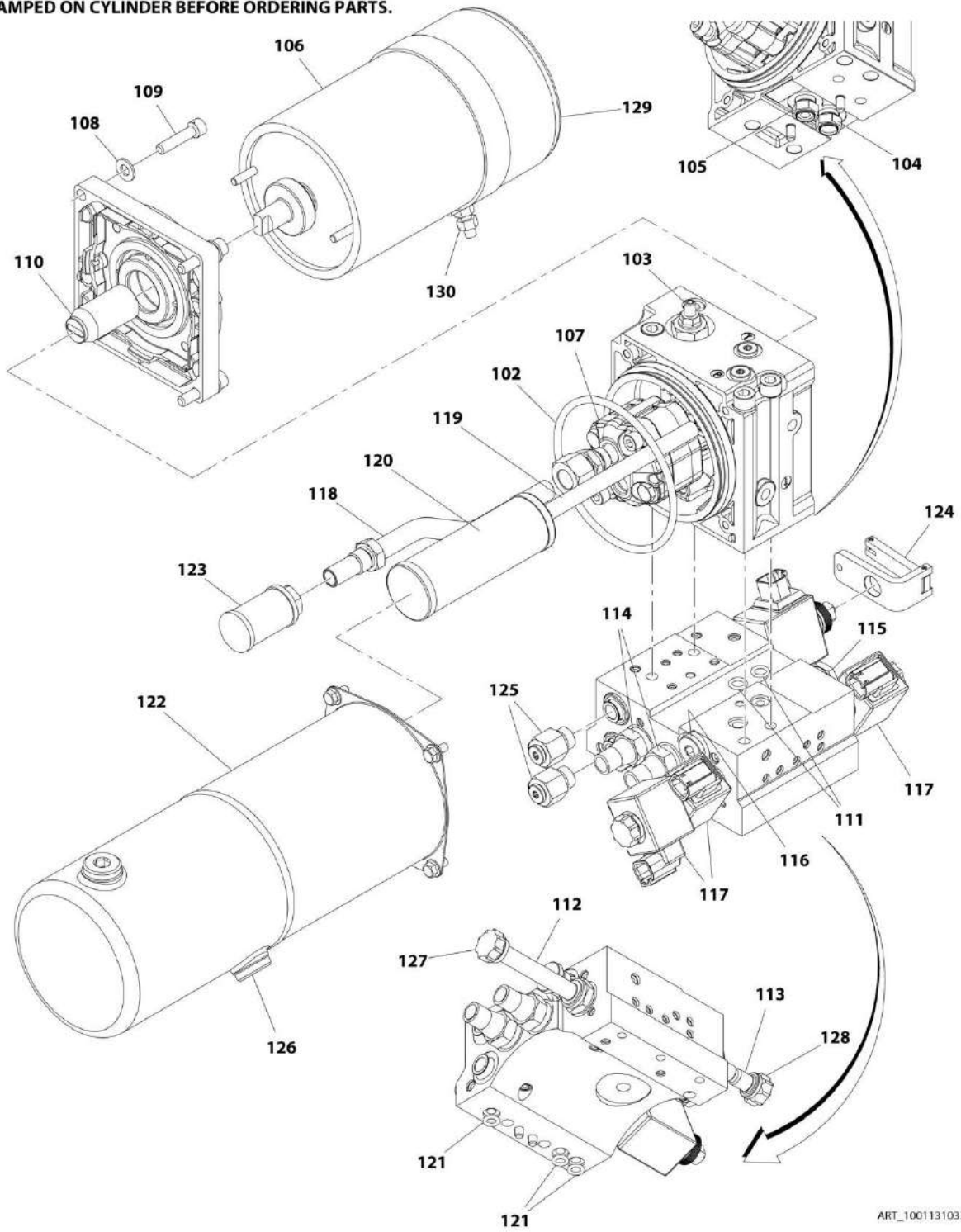


ART\_1001131033\_1



# SECTION 5 - CYLINDER

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



ART\_1001131033\_2

## SECTION 5 - CYLINDER

**FIGURE 5-7. LIFT CYLINDER ASSEMBLY - 1930ES WITH BIODEGRADABLE HYDRAULIC OIL (SH-PAC)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131033	Ref	LIFT CYLINDER ASSEMBLY - 1930ES WITH BIODEGRADABLE HYDRAULIC OIL (SH-PAC)	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004620	1	Barrel	
2	70004621	1	Rod	
3	70004622	1	Head, Cylinder	
4	See Note	NSS	Seal, Dust (Note: Use Item 20)	
5	See Note	NSS	Seal (Note: Use Item 20)	
6	70004237	1	Bearing	
7	See Note	NSS	O-Ring (Note: Use Item 20)	
8	See Note	NSS	O-Ring (Note: Use Item 20)	
9	70004623	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	0962257	4	Bushing	
15	70004938	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
16	See Note	1	O-Ring (Note: Use Item 20)	
17	70004624	2	Capscrew M10 x 40	
18	70004625	3	Capscrew M8 x 20	
19	70004626	2	Plug, Extension	
20	70004627	1	Seal Kit - Cylinder (Includes Items 4, 5, 7, 8, 10, 11, 12 & 16)	
		Ref	MOTOR/PUMP/TANK ASSEMBLY	
	70004938	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	70004970	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	70004932	1	Pipe, Suction	
119	70004934	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005234	1	Kit, Tank (Includes tank, plug, "o"-ring and screws)	
123	70005235	1	Kit, Filter (Includes strainer and seal ring)	

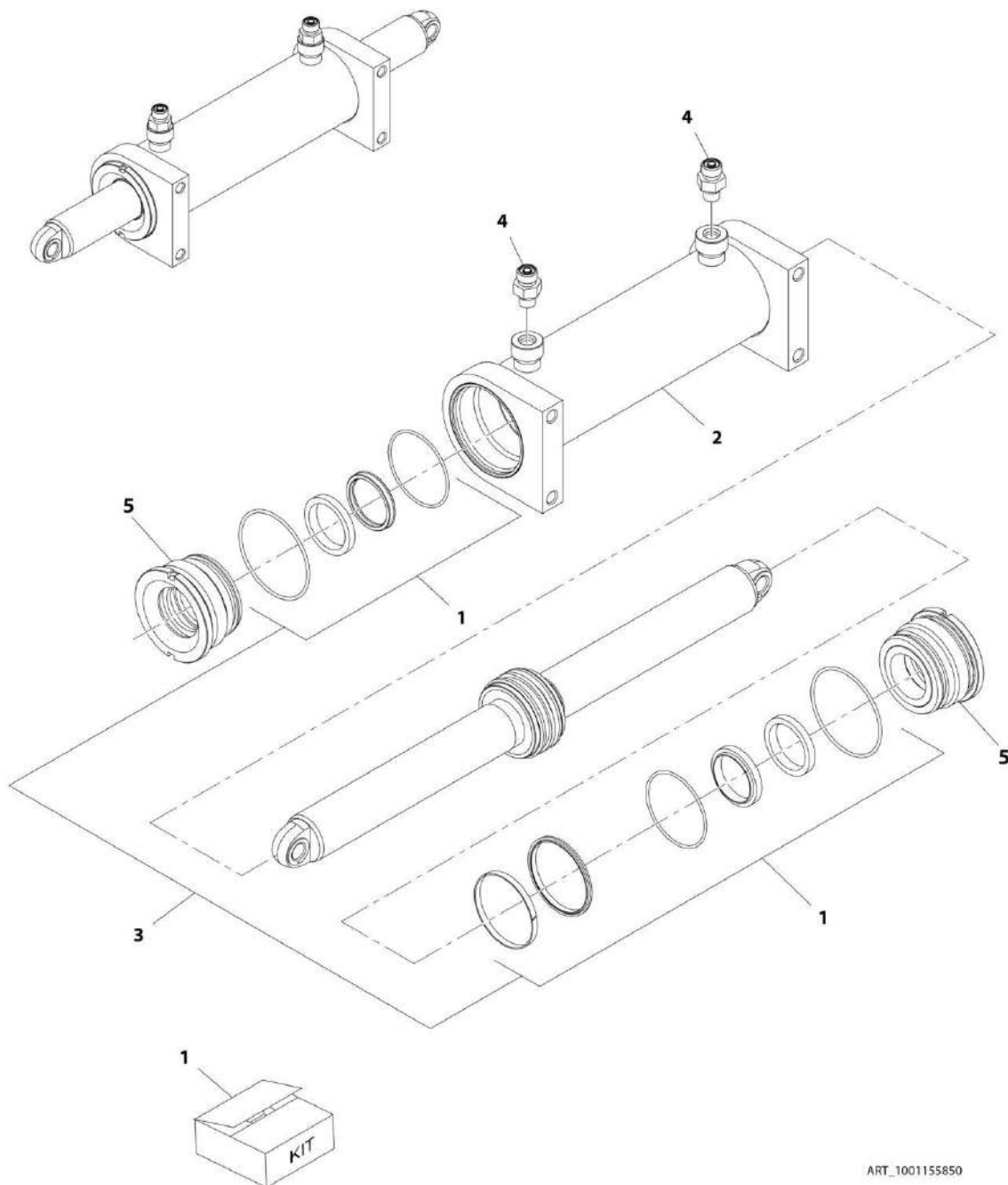
## SECTION 5 - CYLINDER

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	

# SECTION 5 - CYLINDER

## FIGURE 5-8. STEER CYLINDER ASSEMBLY (SERTA)

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



ART\_1001155850

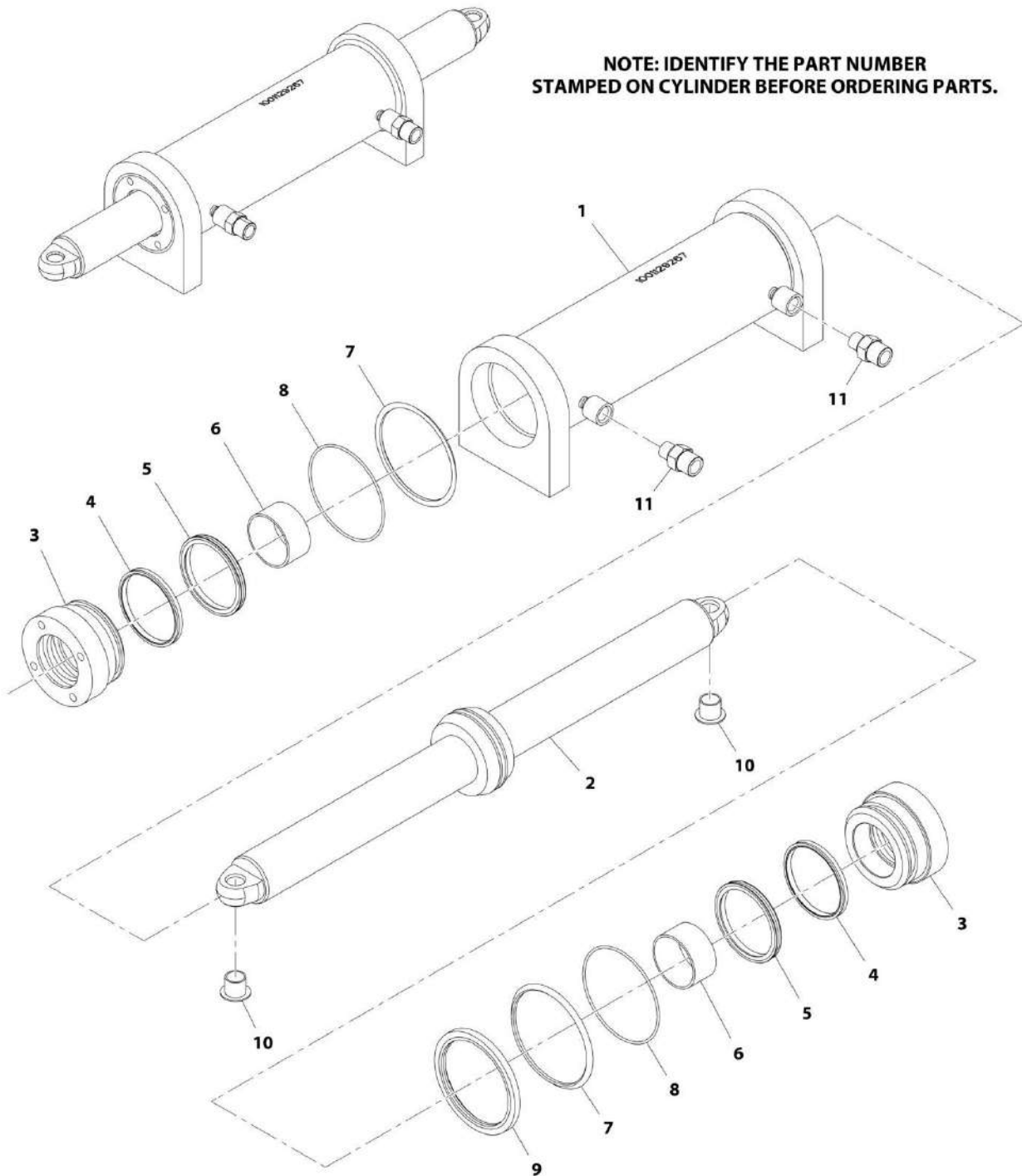
## SECTION 5 - CYLINDER

### FIGURE 5-8. STEER CYLINDER ASSEMBLY (SERTA)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155850	Ref	STEER CYLINDER ASSEMBLY (SERTA)	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004779	1	Seal Kit - Cylinder	
2	70004781	1	Barrel, Cylinder	
3	70004780	1	Rod, Cylinder	
4	2110404	2	Fitting, Straight ORFS/ORB	
5	70006342	2	Head, Cylinder	

# SECTION 5 - CYLINDER

## FIGURE 5-9. STEER CYLINDER ASSEMBLY (SH-PAC)



ART\_1001129267

## SECTION 5 - CYLINDER

**FIGURE 5-9. STEER CYLINDER ASSEMBLY (SH-PAC)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129267	Ref	STEER CYLINDER ASSEMBLY (SH-PAC)	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004245	1	Barrel, Cylinder	
2	70004244	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)	





**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 - USA Built Machines (Not Shown - See Service Manual)	
	1001143663	Ref	Hydraulic Schematic - China Built Machines (Not Shown - See Service Manual)	

**SECTION 7 - ELECTRICAL**

## SECTION 7 - ELECTRICAL

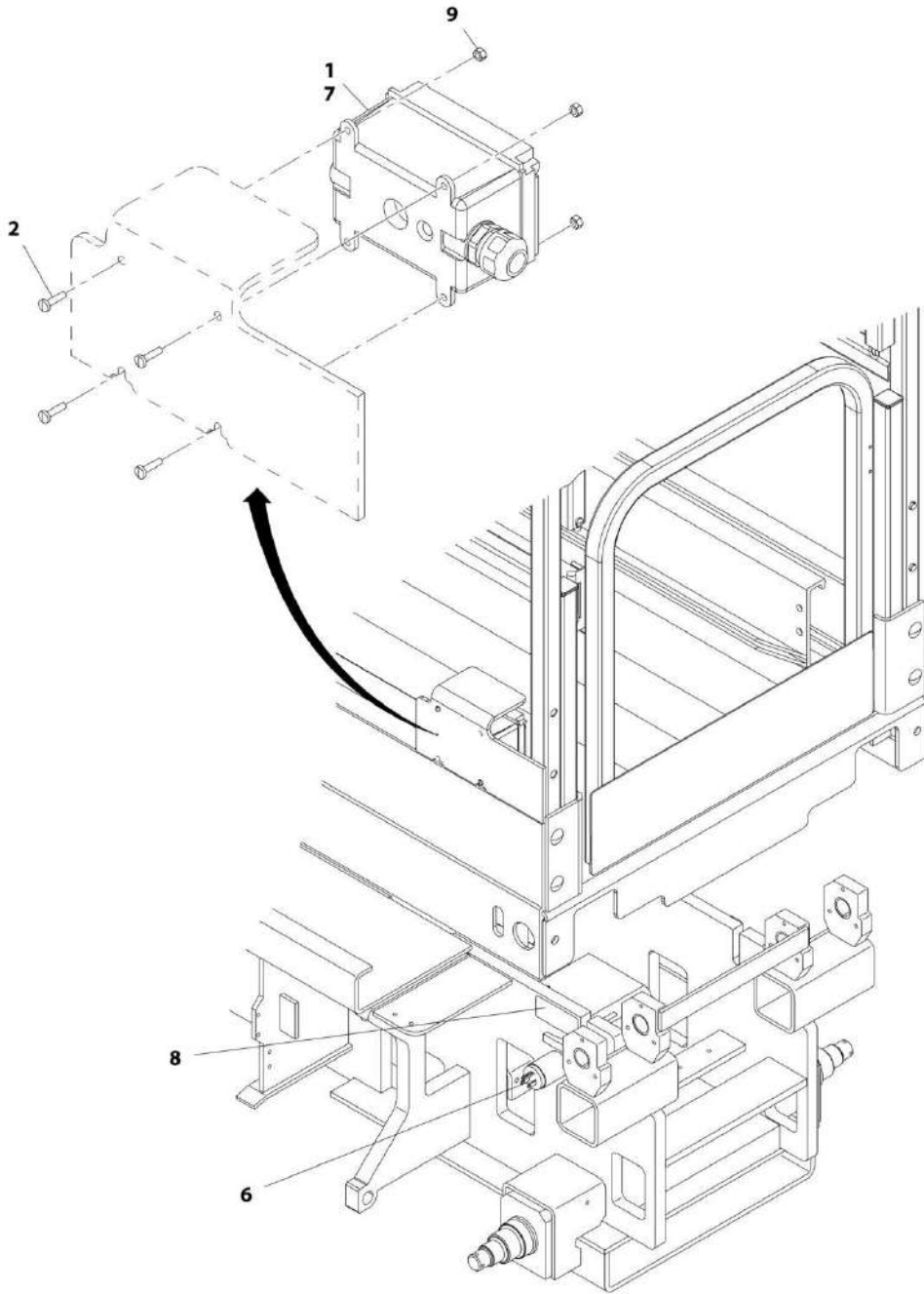
**FIGURE 7-1. ELECTRICAL DIAGRAM LIST**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ELECTRICAL DIAGRAM LIST	
		Ref	Note: See Service Manual for schematic. For information on diagrams, contact JLG Service Parts Department.	
	0272839	Ref	AC Box at Platform Installation - 110V GFI	
	0275487	Ref	AC to Platform Electrical Diagram - 110 IEC Yellow (CE Spec Only)	
	0275488	Ref	AC to Platform Electrical Diagram - 220V IEC Blue (CE Spec Only)	
	0275486	Ref	AC to Platform Electrical Diagram - 220V AFSINT107 (CE Spec Only)	
	1001162447	Ref	AC to Platform Electrical Diagram - 220V CEE7 Side Ground (CE Spec Only)	
	1001162449	Ref	AC to Platform Electrical Diagram - 220V CEE7 Post Ground (CE Spec Only)	
	1001166759	Ref	Electrical Schematic (Not Shown - See Service Manual)	



# SECTION 7 - ELECTRICAL

## FIGURE 7-2. AC BOX AT PLATFORM INSTALLATION - 110V GFI



ART\_0272839

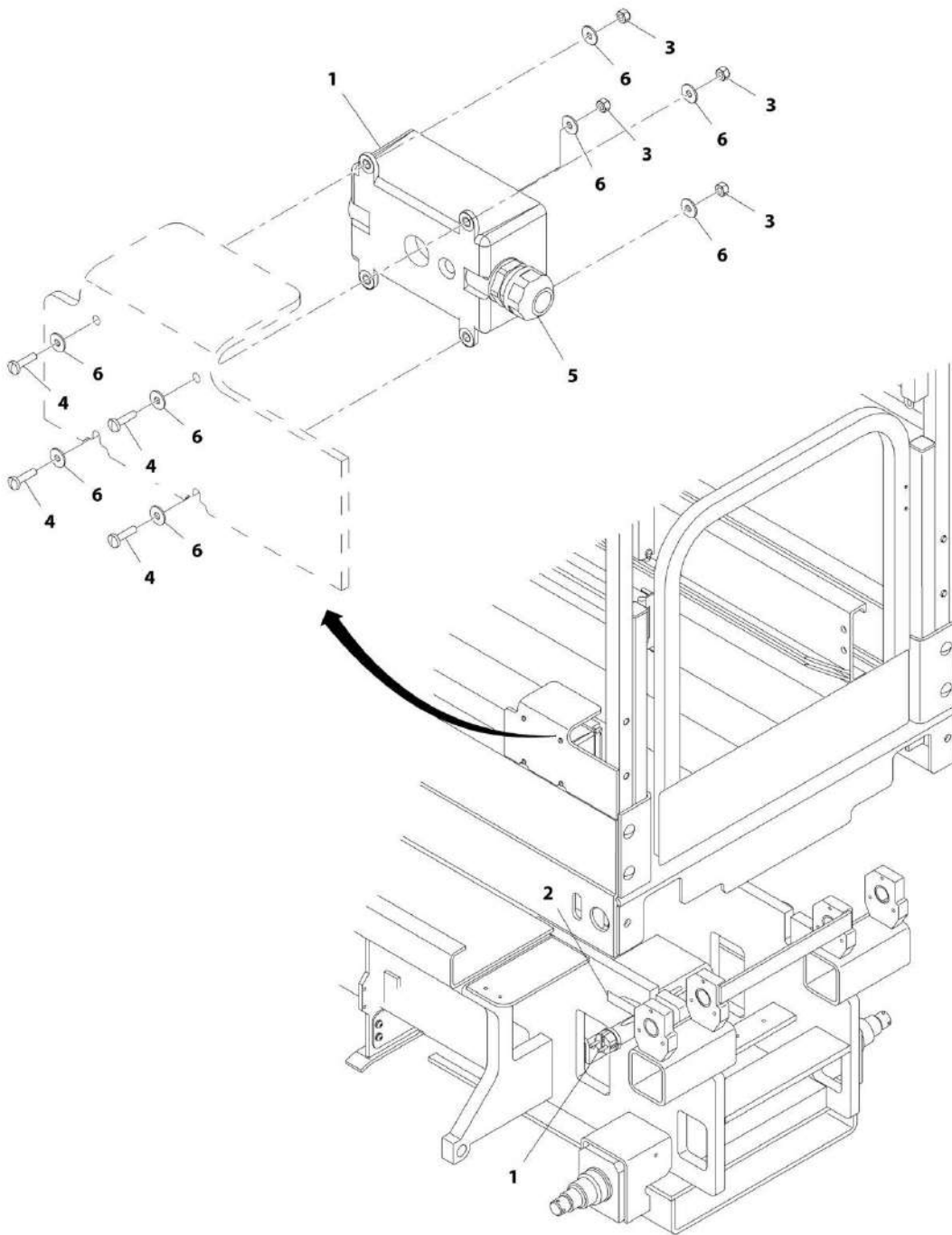
## SECTION 7 - ELECTRICAL

**FIGURE 7-2. 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 RECEPTACLE BOX KIT - 110V GFI for Breakdown)	
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 7-3. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE (ANSI EXPORT SPEC ONLY)



ART\_1001162447



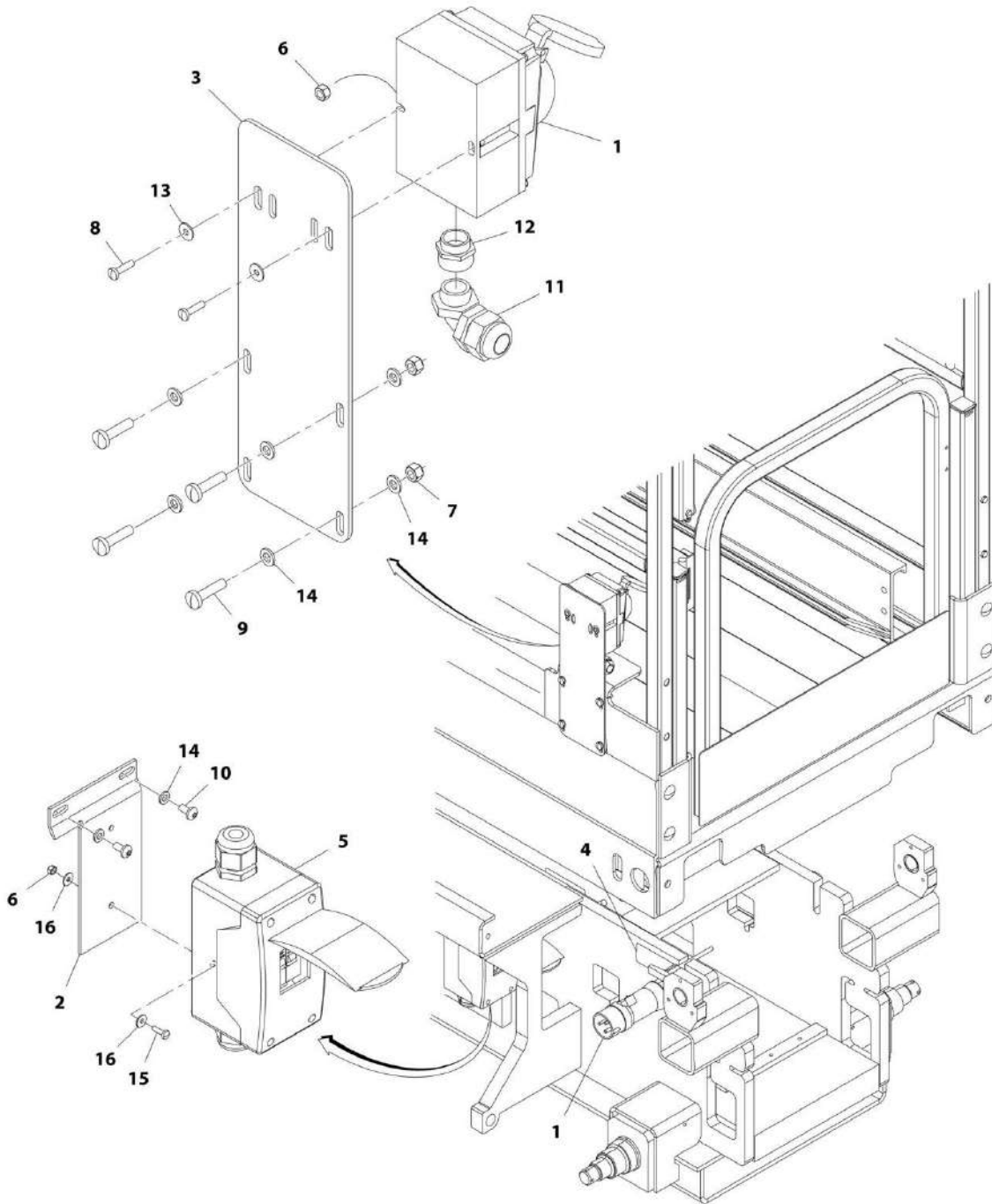
## SECTION 7 - ELECTRICAL

**FIGURE 7-3. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE (ANSI EXPORT SPEC ONLY)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211593	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD (ANSI EXPORT SPEC ONLY)	A
1	0275453	1	Receptacle Box Kit - 220V CEE7 Side Ground (See RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND for Breakdown)	
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 7-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY)



ART\_0275487

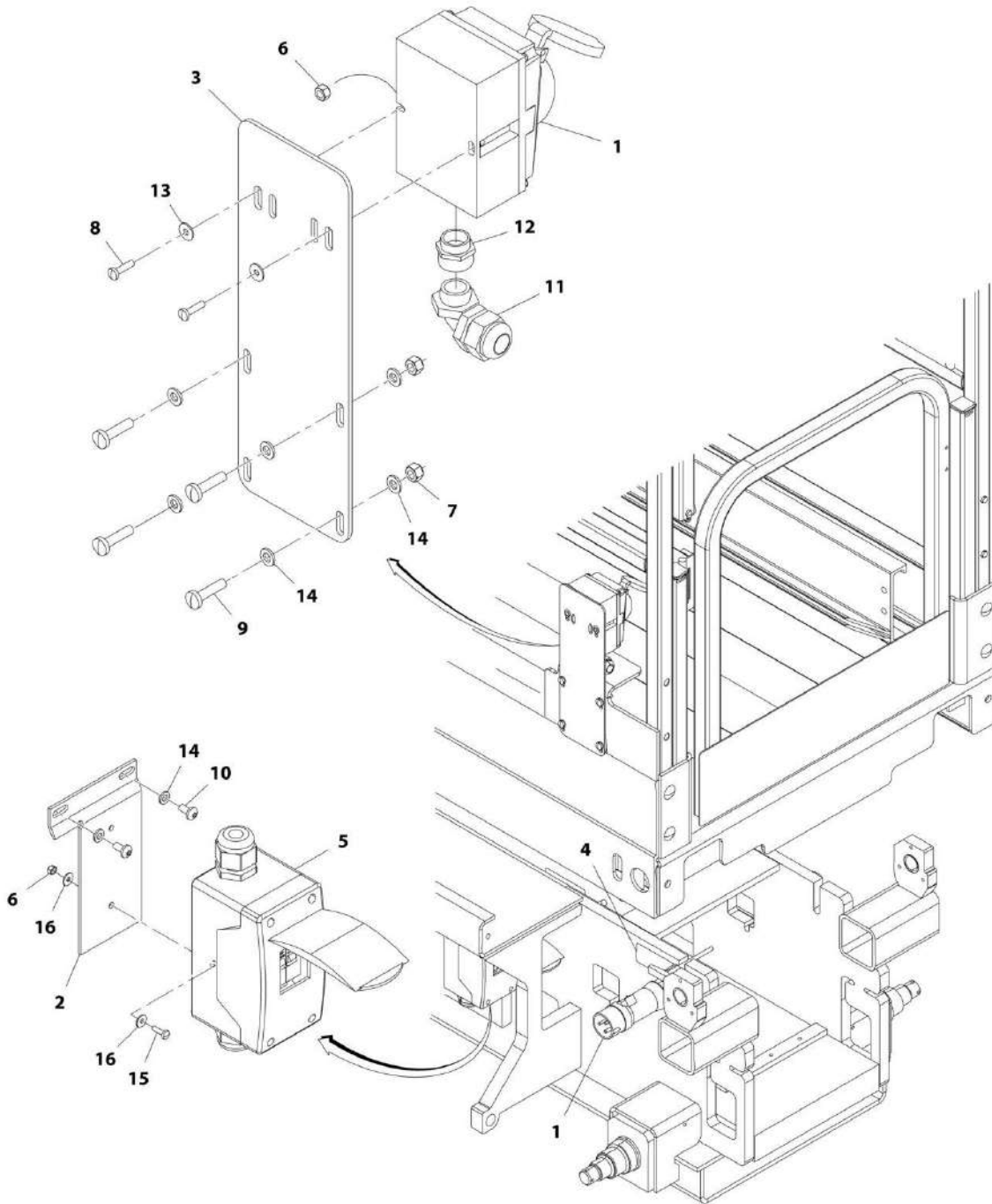
## SECTION 7 - ELECTRICAL

**FIGURE 7-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275487	Ref	AC BOX AT PLATZFORM INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY)	E
1	0275216	1	Receptacle Box Kit - 110V IEC Yellow (See RECEPTACLE BOX KIT - 110V IEC YELLOW for Breakdown)	
2	0903566	1	Bracket	
3	0903569	1	Bracket	
4	1703464	1	Decal - 120V-60Hz	
5	2902541	1	Breaker Box Kit (See BREAKER BOX KIT WITH TWO BREAKERS - CE SPEC ONLY for Breakdown)	
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 7-5. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPEC ONLY)



ART\_0275488

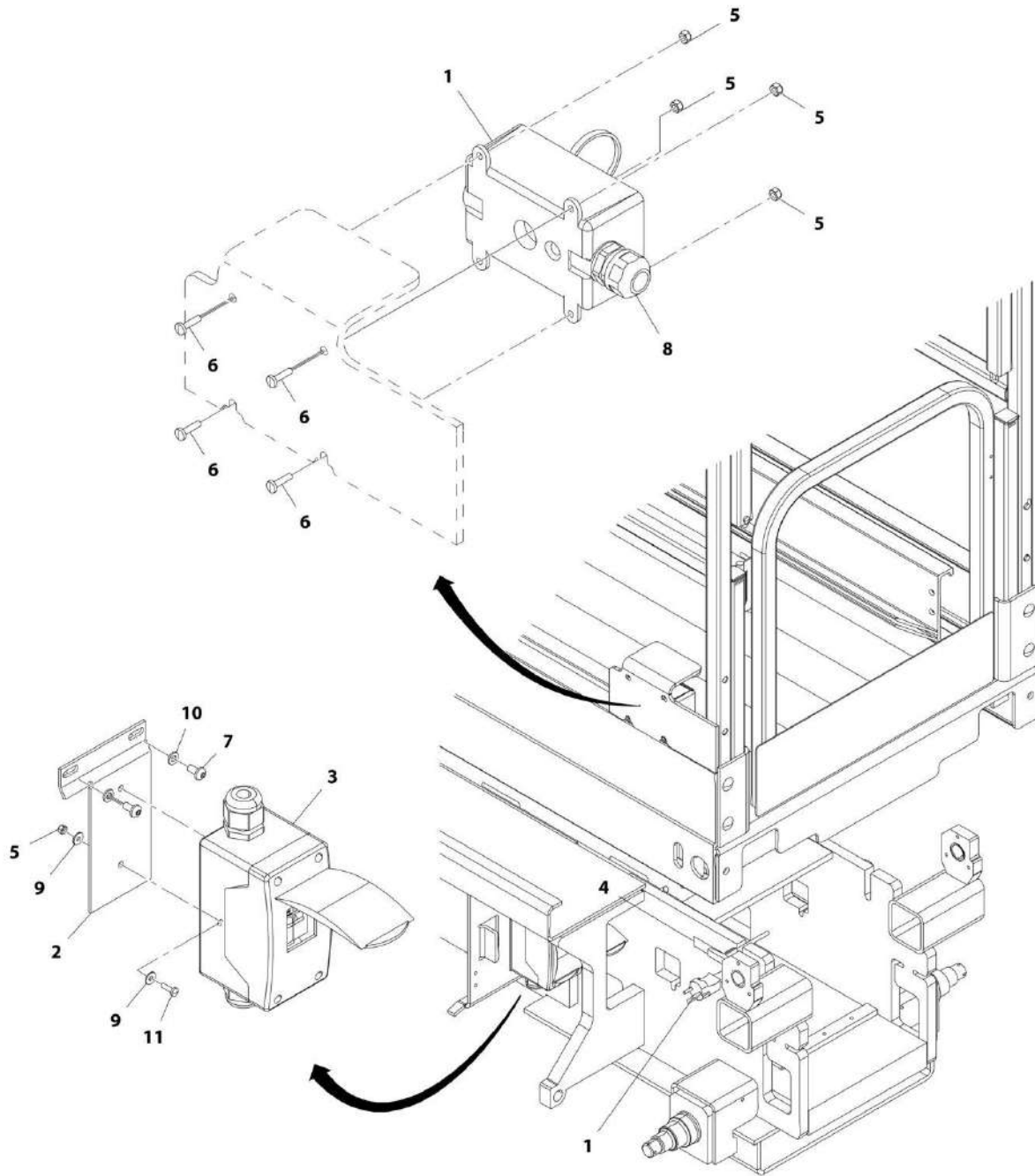
## SECTION 7 - ELECTRICAL

**FIGURE 7-5. 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 (CE SPEC ONLY)	E
1	0275217	1	Receptacle Box Kit - 220V IEC Blue (See RECEPTACLE BOX KIT - 220V IEC BLUE for Breakdown)	
2	0903566	1	Bracket	
3	0903569	1	Bracket	
4	3252507	1	Decal - 220V-50/60Hz	
5	2902541	1	Breaker Box Kit (See BREAKER BOX KIT WITH TWO BREAKERS - CE SPEC ONLY for Breakdown)	
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 7-6. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPEC ONLY)



ART\_0275486

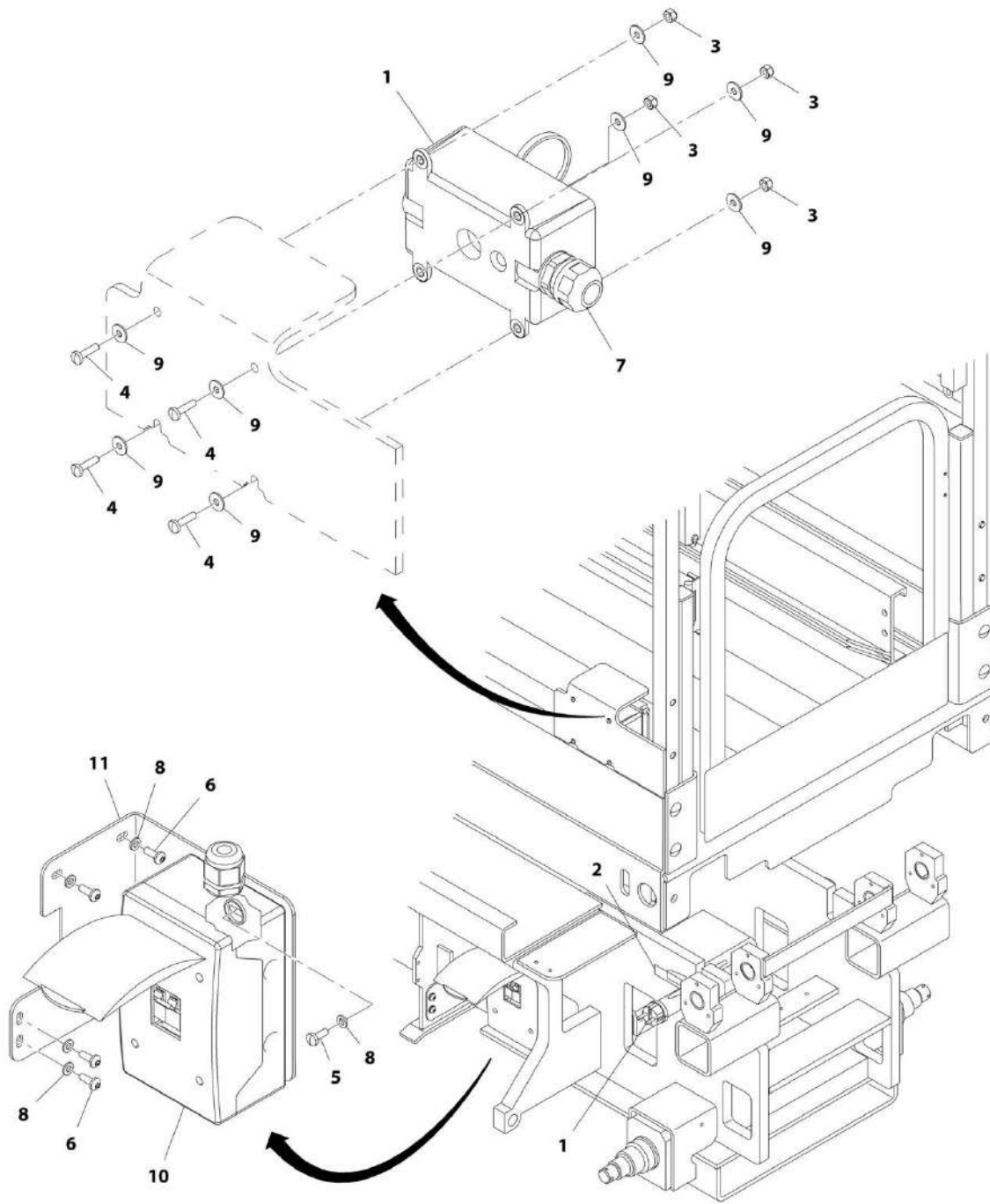
## SECTION 7 - ELECTRICAL

**FIGURE 7-6. 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 (CE SPEC ONLY)	E
1	0275454	1	Receptacle Box Kit - 220V AFSINT107 (See RECEPTACLE BOX KIT - 220V AFSINT (CE SPEC) for Breakdown)	
2	0903566	1	Bracket	
3	2902541	1	Breaker Box Kit (See BREAKER BOX KIT WITH TWO BREAKERS - CE SPEC ONLY for Breakdown)	
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 ft /0.60m	Screw M4 x 14	

# SECTION 7 - ELECTRICAL

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



ART\_1001162447



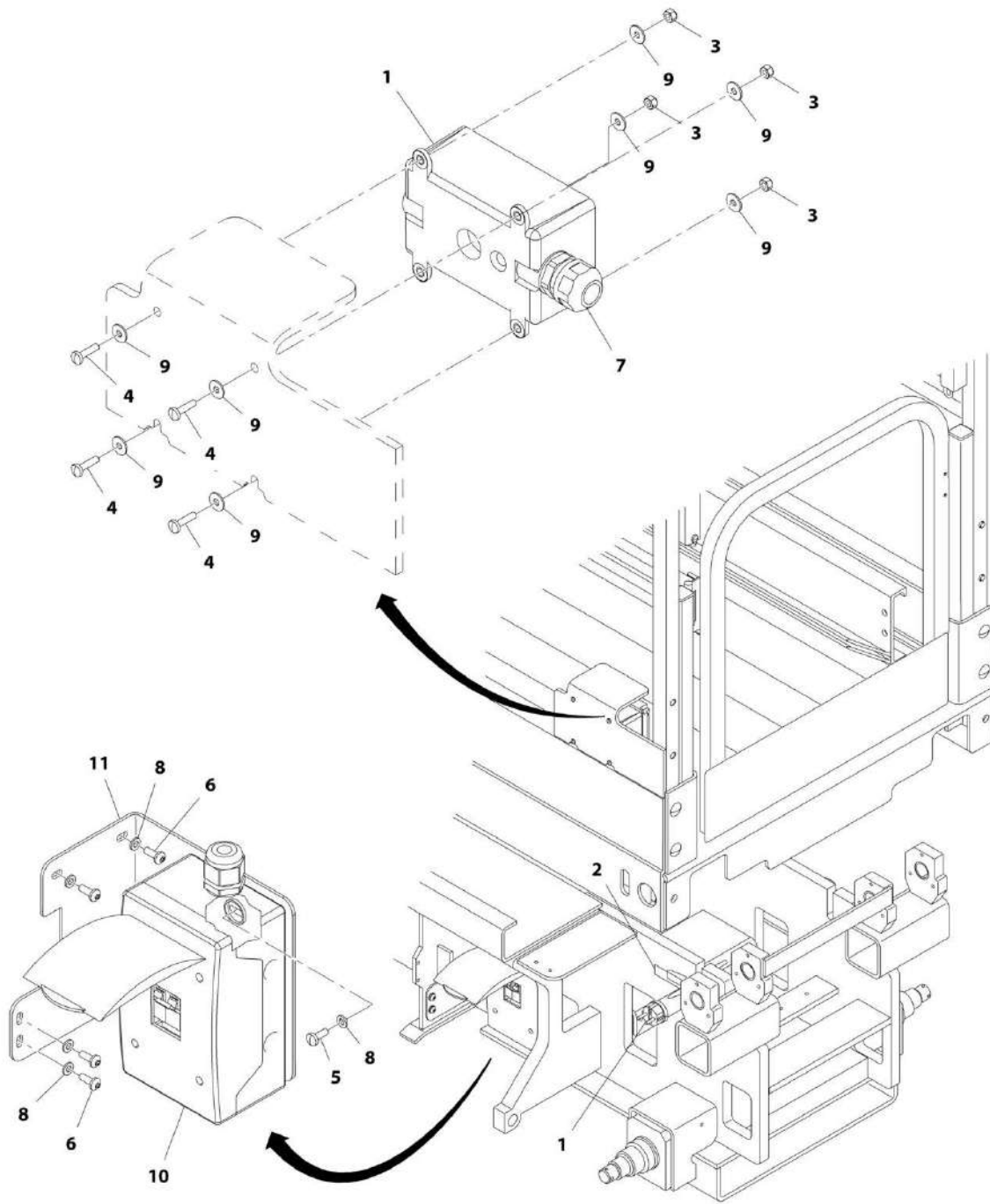
## SECTION 7 - ELECTRICAL

**FIGURE 7-7. 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 (CE SPEC ONLY)	A
1	0275453	1	Receptacle Box Kit - 220V CEE7 Side Ground (See RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND for Breakdown)	
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 BREAKER BOX KIT WITH THREE BREAKERS - CE SPEC ONLY for Breakdown)	
11	1001162362	1	Bracket	

# SECTION 7 - ELECTRICAL

FIGURE 7-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GRD (CE SPEC ONLY)



ART\_1001162449

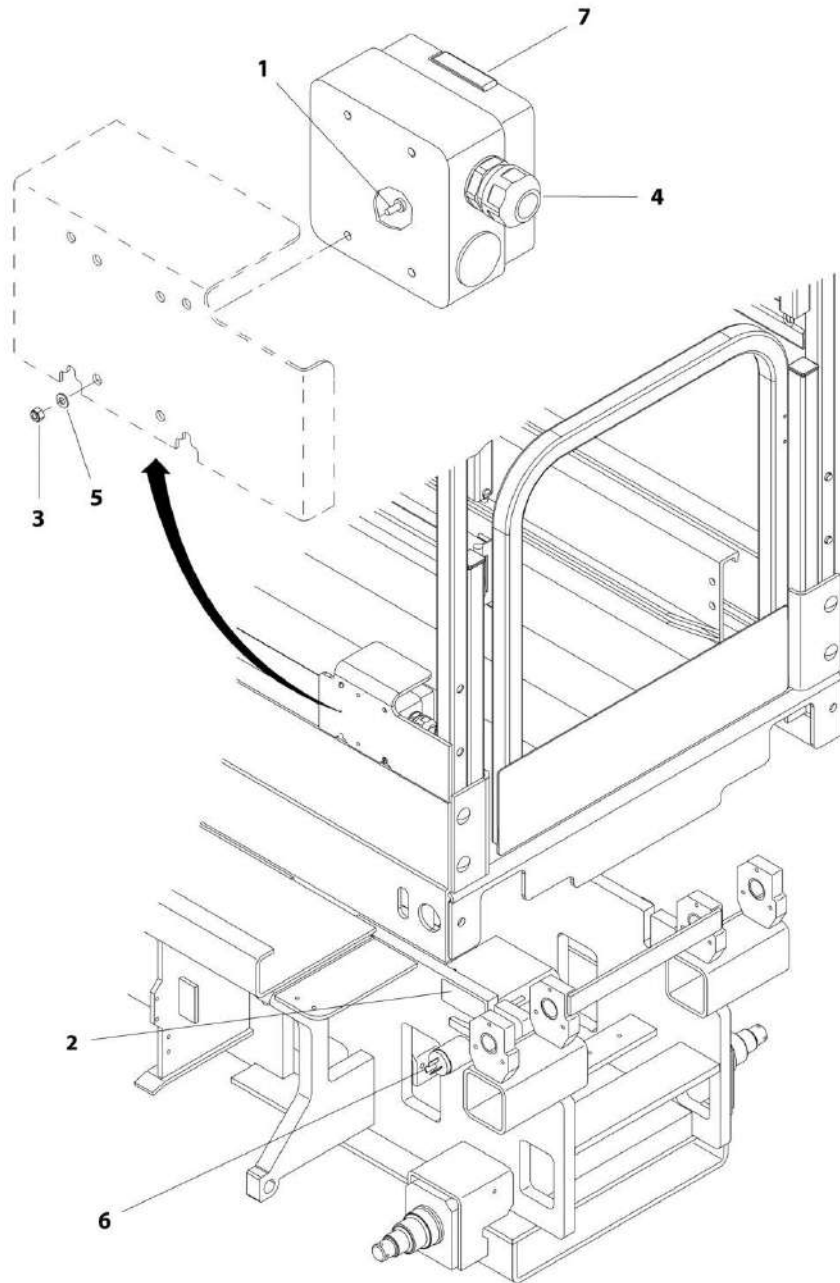
## SECTION 7 - ELECTRICAL

**FIGURE 7-8. 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 (CE SPEC ONLY)	A
1	0275452	1	Receptacle Box Kit - 220V CEE7 Post Ground (See RECEPTACLE BOX KIT - 220V CEE7 POST GROUND for Breakdown)	
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 BREAKER BOX KIT WITH THREE BREAKERS - CE SPEC ONLY for Breakdown)	
11	1001162362	1	Bracket	

# SECTION 7 - ELECTRICAL

FIGURE 7-9. AC BOX AT PLATFORM INSTALLATION - 220V (CHINESE SPEC ONLY)



ART\_1001198711

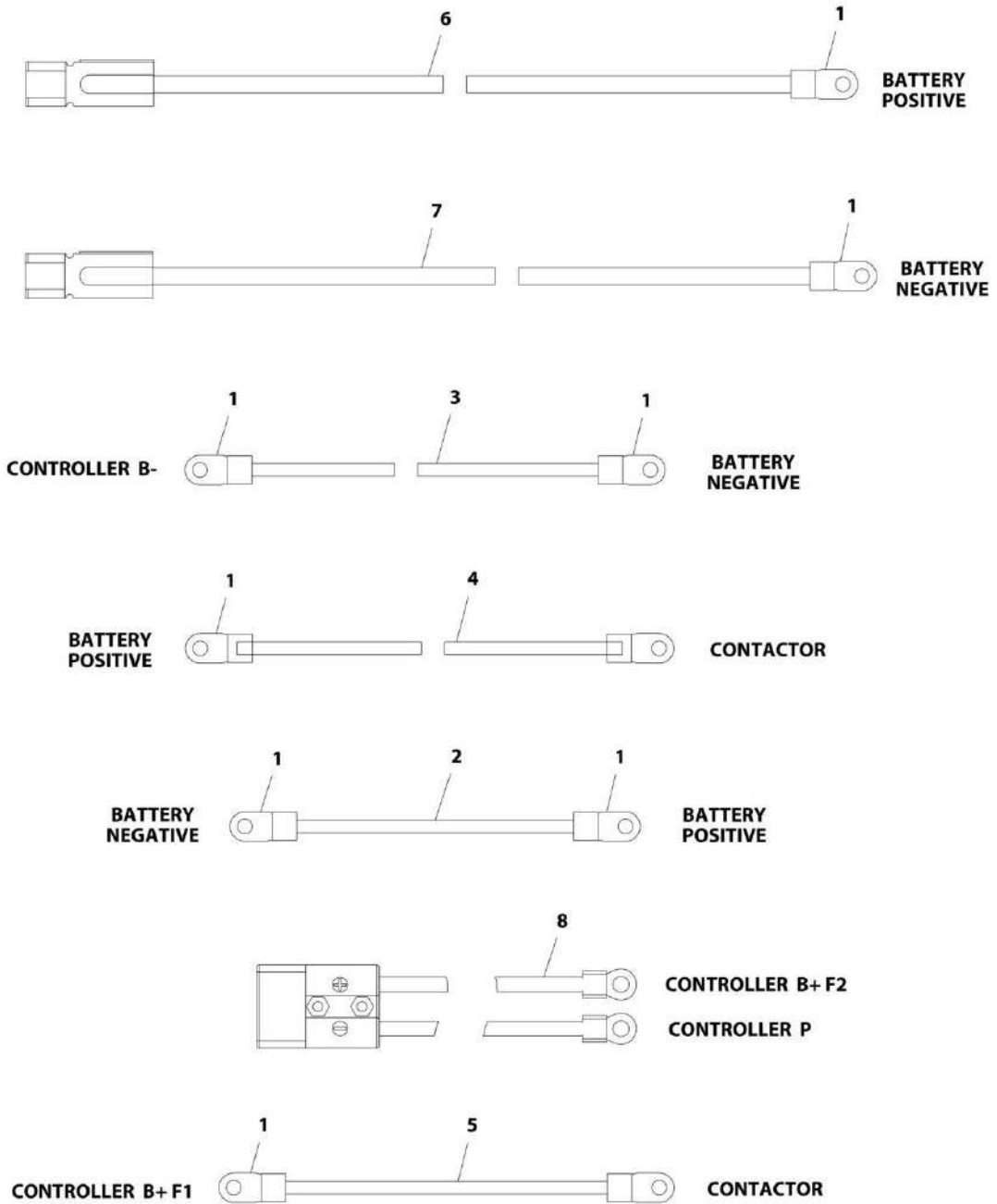
## SECTION 7 - ELECTRICAL

**FIGURE 7-9. AC BOX AT PLATFORM INSTALLATION - 220V (CHINESE SPEC ONLY)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001198711	Ref	AC BOX AT PLATFORM INSTALLATION - 220V (ANSI EXPORT AND CHINESE SPEC ONLY)	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	

# SECTION 7 - ELECTRICAL

## FIGURE 7-10. BATTERY CABLE KIT



ART\_1001178535

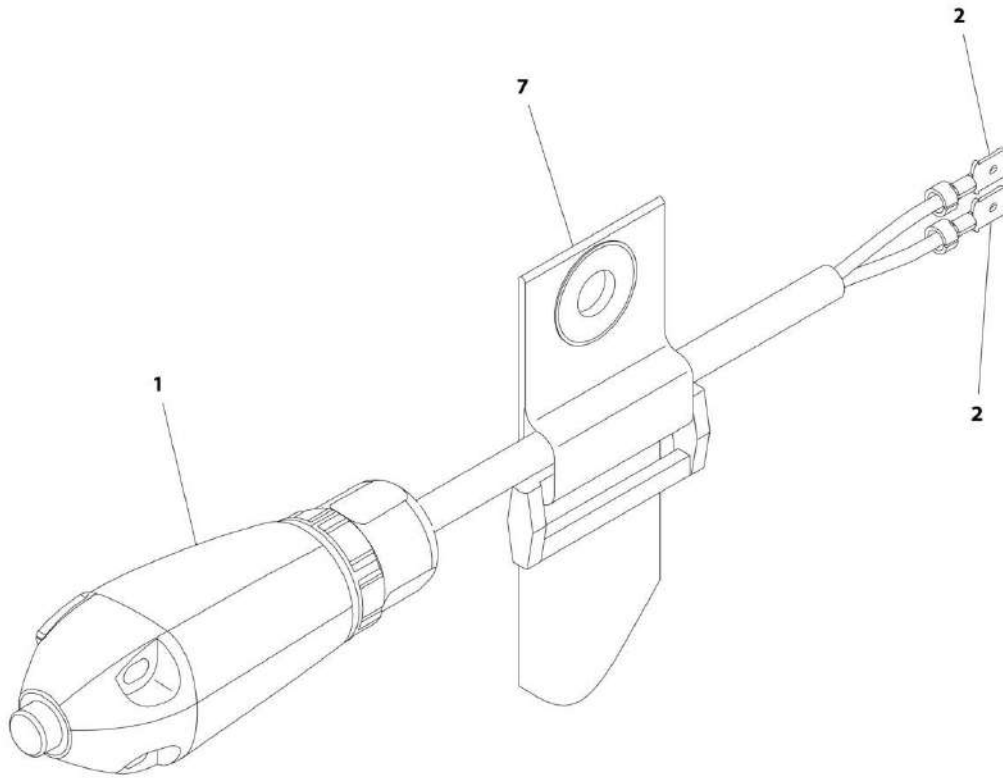
## SECTION 7 - ELECTRICAL

### FIGURE 7-10. BATTERY CABLE KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178535	Ref	BATTERY CABLE KIT	E
1	0840060	8	Boot, Terminal	
2	1060998	2	Cable, Battery	
3	4923367	1	Cable, Negative to Controller	
4	4923374	1	Cable, B Positive to Contactor	
5	1001114992	1	Cable, Battery	
6	1001178532	1	Cable, Battery	
7	1001178533	1	Cable, Battery	
8	1001178534	1	Cable, Pump Power	

# SECTION 7 - ELECTRICAL

## FIGURE 7-11. BRAKE DISCONNECT HARNESS



ART\_4922944



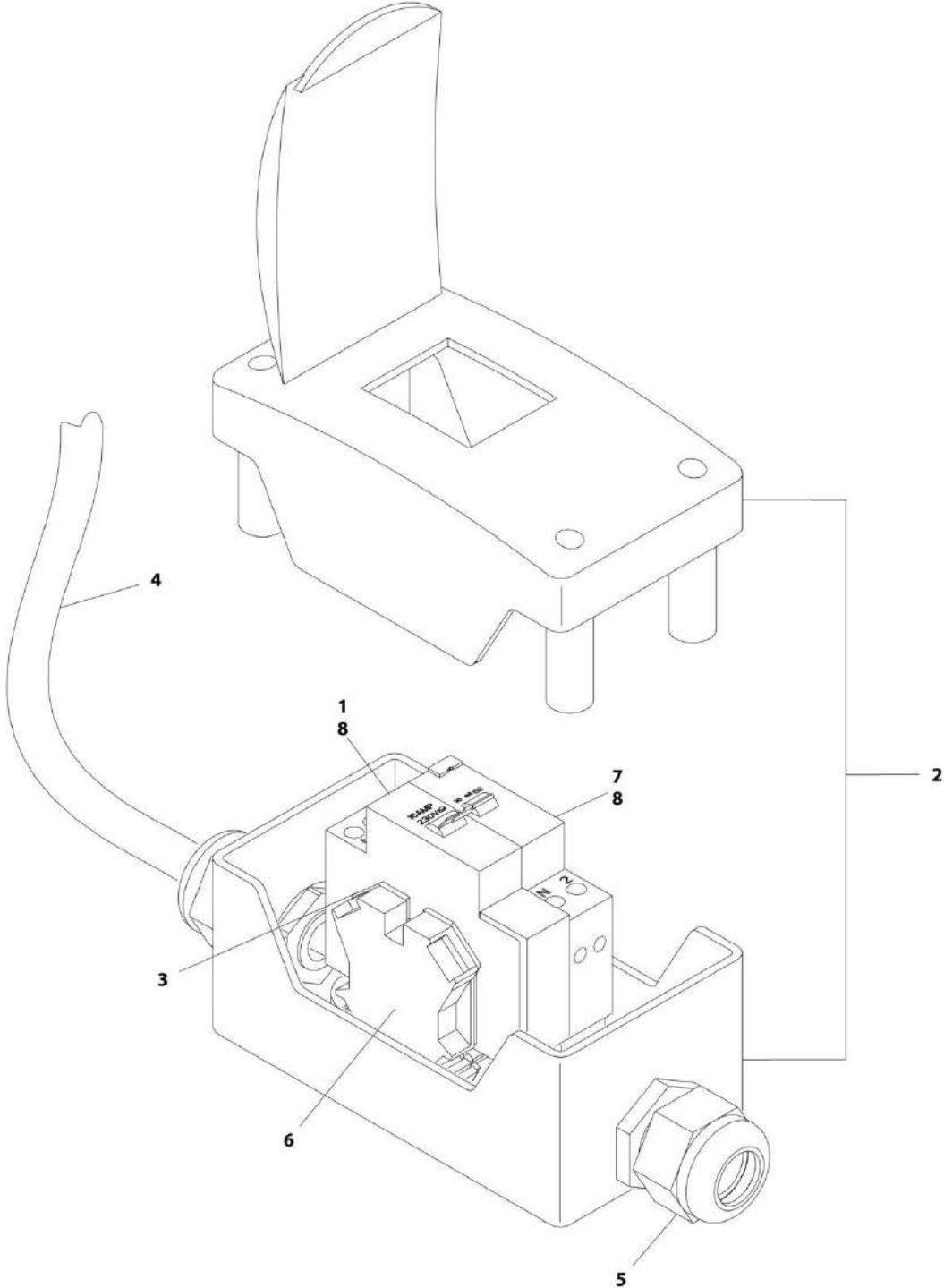
## SECTION 7 - ELECTRICAL

### 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	

**SECTION 7 - ELECTRICAL**

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



ART\_2902541

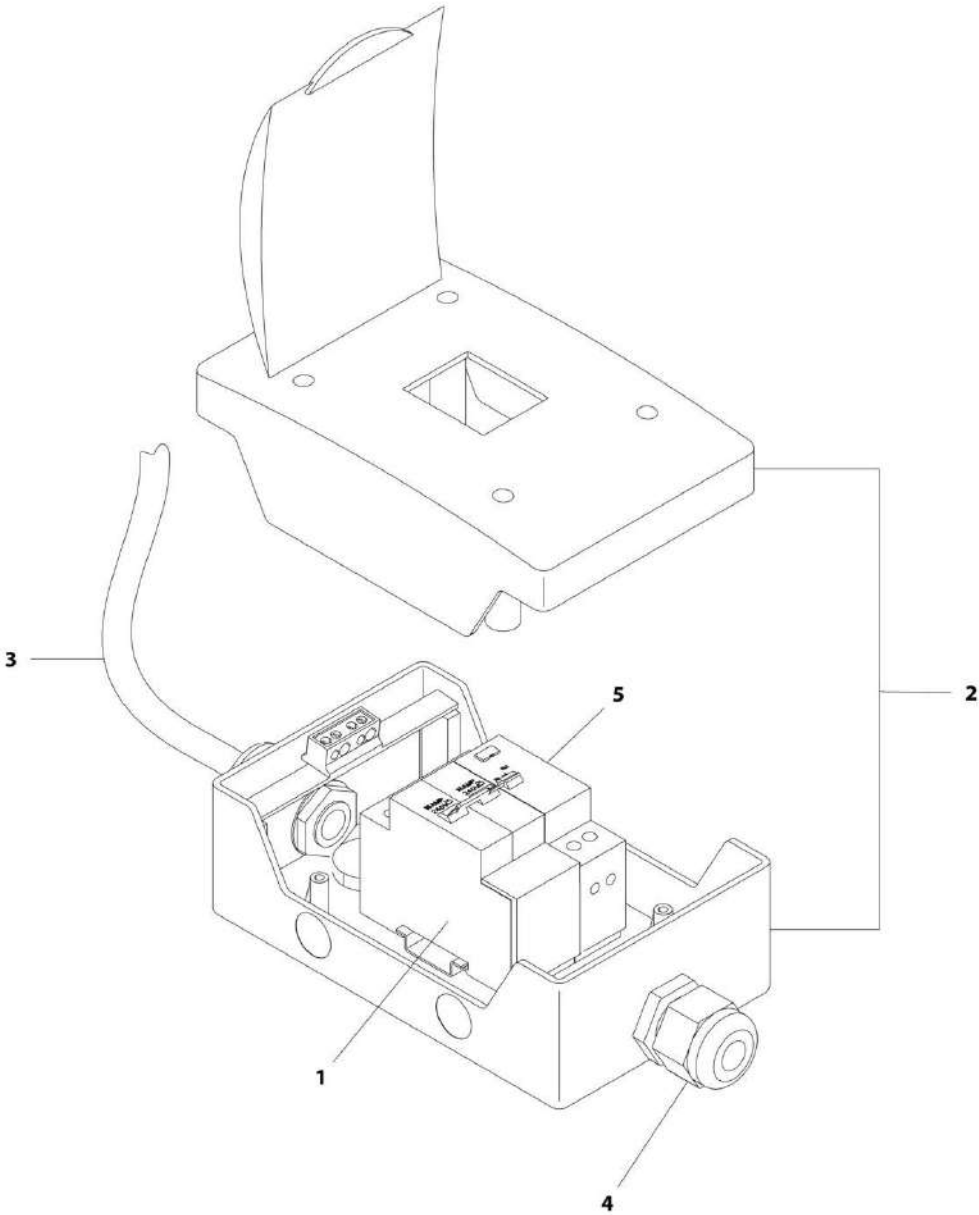
## SECTION 7 - ELECTRICAL

**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 - CE SPEC ONLY	G
1	1001109475	NLA	Breaker, 16 Amp (Use p/n 1001181045) <b>(SN 0200239382 through 0200245768)</b>	
1	1001109475	NLA	Breaker, 16 Amp (Use p/n 1001181045) <b>(SN B200020297 through B200022928)</b>	
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	
7	1001109482	NLA	Breaker, 30mA (Use p/n 1001181045) <b>(SN 0200239382 through 0200245768)</b>	
7	1001109482	NLA	Breaker, 30mA (Use p/n 1001181045) <b>(SN B200020297 through B200022928)</b>	
8	1001181045	1	Breaker, 16A/30mA Combination <b>(SN 0200245769 to Present, SN 1200025021 to Present, SN B200022929 to Present, SN M200000100 to Present)</b>	

**SECTION 7 - ELECTRICAL**

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



ART\_1001152485

## SECTION 7 - ELECTRICAL

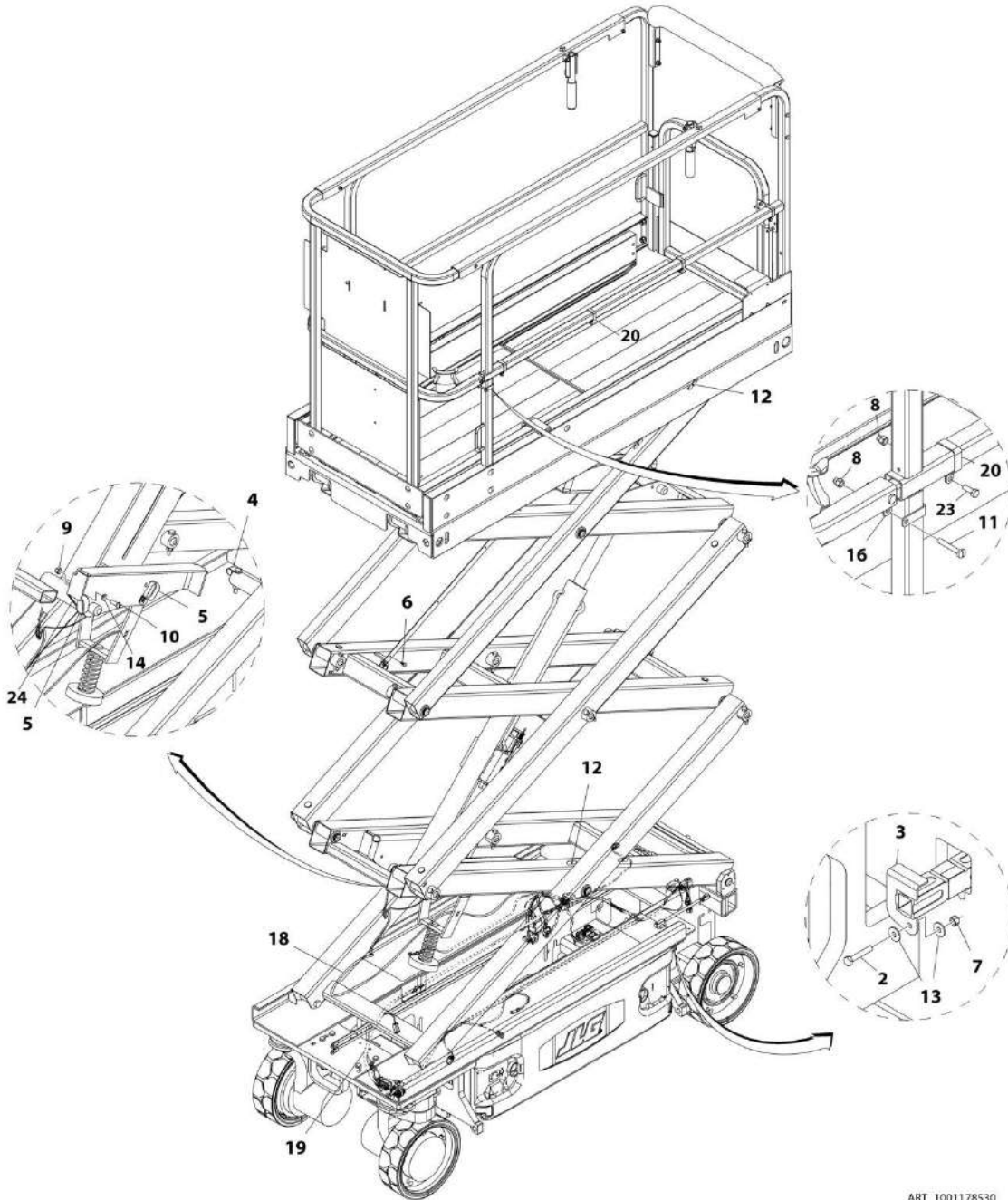
**FIGURE 7-13. BREAKER BOX KIT WITH THREE BREAKERS (CE SPEC ONLY)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001152485	Ref	BREAKER BOX KIT WITH THREE BREAKERS - CE SPEC ONLY	D
	1001152479	NLA		
1	1001189172	1	Breaker 16 Amp Double (Use p/n 1001189172) (SN 0200239382 through 0200248240, SN B200020297 through B200024248, SN M200000100 through M200000139)	
2	1001152483	1	Box	
3	1060908	6 ft/1.8m	Cable, 12/3	
4	1001097150	2	Connector, Strain Relief	
5	1001152482	NLA	Breaker, 30mA (Use p/n 1001189171) (SN 0200239382 through 0200248240, SN B200020297 through B200024248, SN M200000100 through M200000139)	
5	1001189171	1	Breaker, 30mA (SN 0200248241 to Present, SN 1200025021 to Present, SN B200024249 to Present, SN M200000140 to Present)	

# SECTION 7 - ELECTRICAL

## FIGURE 7-14. CABLES INSTALLATION

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



ART\_1001178530

## SECTION 7 - ELECTRICAL

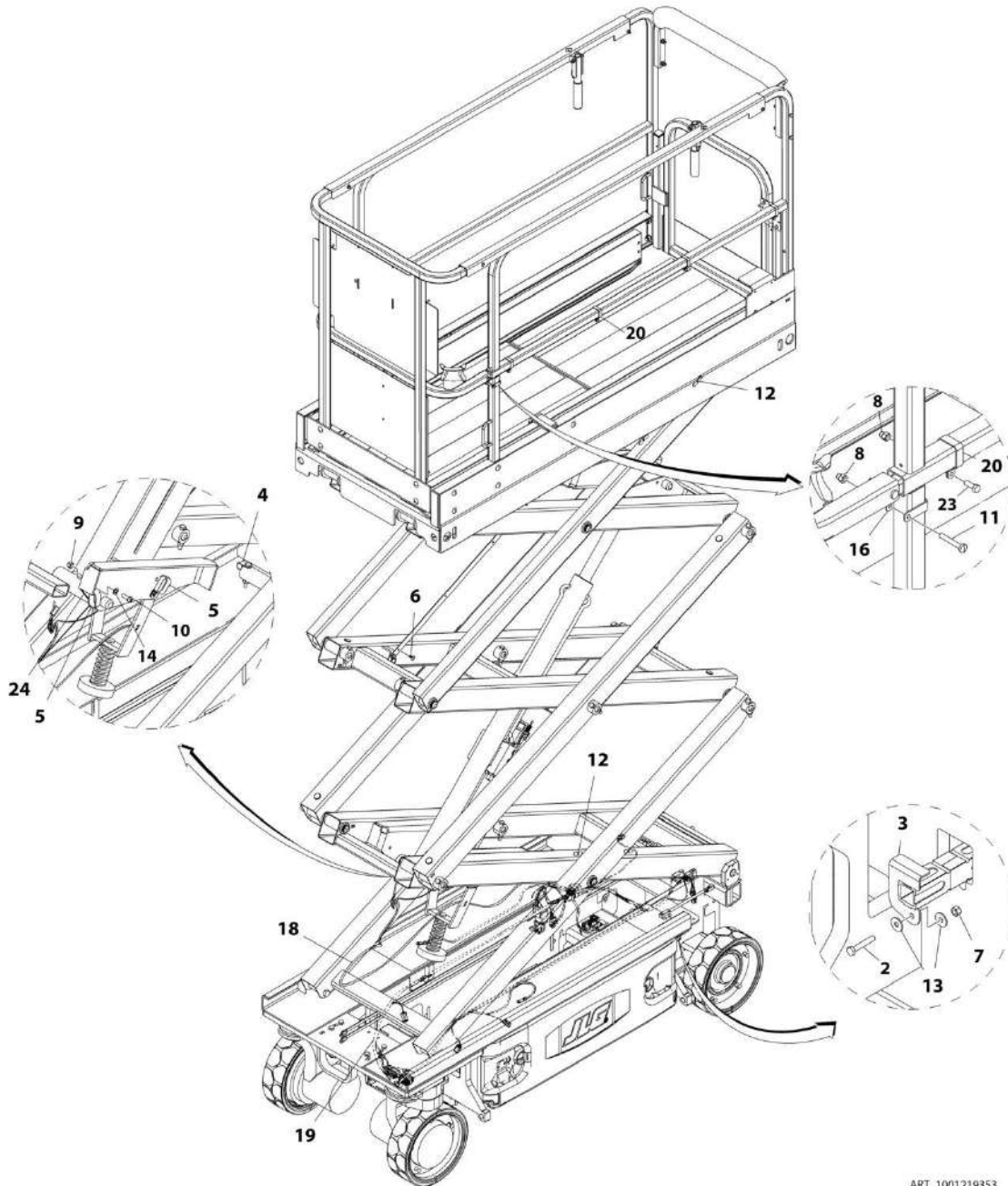
### FIGURE 7-14. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178530	Ref	CABLES INSTALLATION	F
		Ref	Usage Chart	
		Ref	China Built Machines ( <b>SN B200020297 through B200035278</b> )	
		Ref	Mexico Built Machines	
		Ref	USA Built Machines	
		Ref	ANSI and CSA Specs (All Machines)	
		Ref	Japanese Specs ( <b>SN 0200239382 through 0200258069</b> )	
		Ref	ANSI Export and China Specs ( <b>SN 0200239382 through 0200248240</b> )	
1	0100048	AR	Grease, Dielectric (Not Shown)	
2	0700615	1	Screw, M6 x 35	
3	0903339	1	Bracket, Battery	
4	1320318	1	Clamp	
5	1321716	2	Clamp	
6	1380158	11	Clip	
7	3290605	1	Nut M6	
8	3290606	5	Cap Nut, M6	
9	3291005	1	Nut, M10	
10	3900351	1	Screw, M10 x 30	
11	4010616	1	Screw, M6 x 40	
12	4740545	4	Washer	
13	4811702	2	Washer M6	
14	4812000	1	Washer M10	
15	1001178685	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
16	1001094175	1	Clamp	
17	1001096705	1	Platform Harness (Includes Item 20) (Not Shown - See PLATFORM HARNESS for Breakdown) ( <b>SN 0200239382 through 0200262428, SN B200020297 through B200035278, SN M200000100 through M200010194</b> )	
17	1001201242	1	Platform Harness (Includes Item 20) (Not Shown - See PLATFORM HARNESS for Breakdown) ( <b>SN 0200262429 to Present, SN M200010195 to Present</b> )	
18	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
19	1001187203	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	
20	1001094180	NLA	Clamp (Use p/n 1001210760) ( <b>SN 0200239382 through 0200257625, SN B200020297 through B200035278, SN M200000100 through M200002832</b> )	
20	1001210433	NLA	Clamp (Use p/n 1001210760) ( <b>SN 0200257626 to Present, SN M200002833 to Present</b> )	
21	1001178535	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
22	1001178536	1	Cable, Pump Power (Not Shown - See PUMP POWER CABLE ASSEMBLY for Breakdown)	
23	0760606	4	Bolt M6 x 12	
24	4060805	8 in/20cm	Flex-Trim ( <b>SN 0200259948 to Present, SN M200002805 to Present</b> )	

# SECTION 7 - ELECTRICAL

## FIGURE 7-15. CABLES INSTALLATION

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



ART\_1001219353



## SECTION 7 - ELECTRICAL

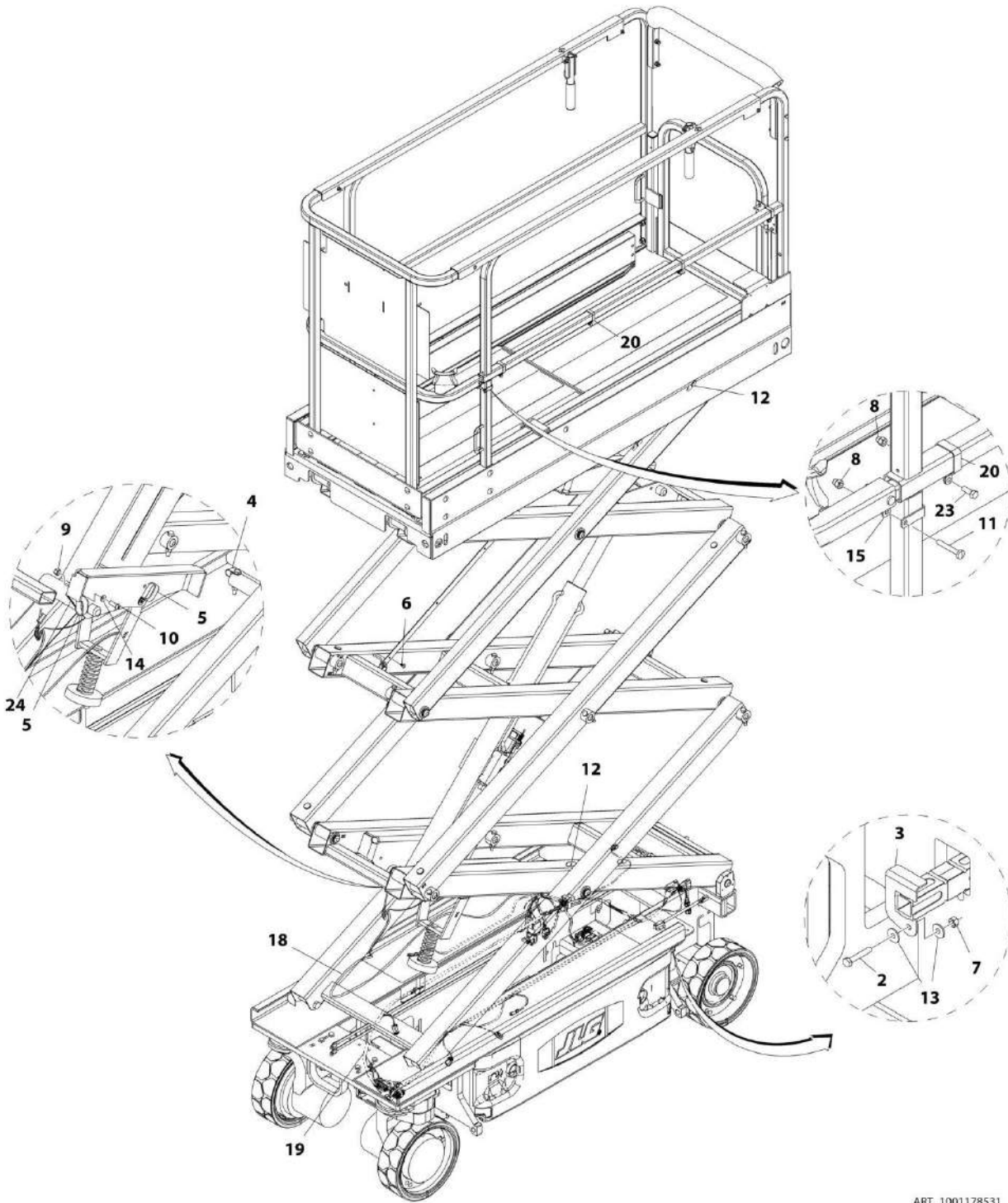
### FIGURE 7-15. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219353	Ref	CABLES INSTALLATION	C
		Ref	Usage Chart	
		Ref	China Built Machines <b>(SN B200035279 to Present)</b>	
		Ref	ANSI and CSA Specs	
1	0100048	AR	Grease, Dielectric (Not Shown)	
2	0700615	1	Screw, M6 x 35	
3	0903339	1	Bracket, Battery	
4	1320318	1	Clamp	
5	1321716	2	Clamp	
6	1380158	11	Clip	
7	3290605	1	Nut M6	
8	3290606	5	Cap Nut, M6	
9	3291005	1	Nut, M10	
10	3900351	1	Screw, M10 x 30	
11	4010616	1	Screw, M6 x 40	
12	4740545	4	Washer	
13	4811702	2	Washer M6	
14	4812000	1	Washer M10	
15	1001178685	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
16	1001094175	1	Clamp	
17	1001096705	1	Platform Harness (Includes Item 20) (Not Shown - See PLATFORM HARNESS for Breakdown)	
18	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
19	1001187203	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	
20	1001220668	4	Clamp	
21	1001178535	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
22	1001178536	1	Cable, Pump Power (Not Shown - See PUMP POWER CABLE ASSEMBLY for Breakdown)	
23	0760606	4	Bolt M6 x 12	
23	0760605	4	Bolt M6 x 10	
24	4060805	8 in/20cm	Flex-Trim <b>(SN B200038196 to Present)</b>	

# SECTION 7 - ELECTRICAL

## FIGURE 7-16. CABLES INSTALLATION

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



ART\_1001178531

## SECTION 7 - ELECTRICAL

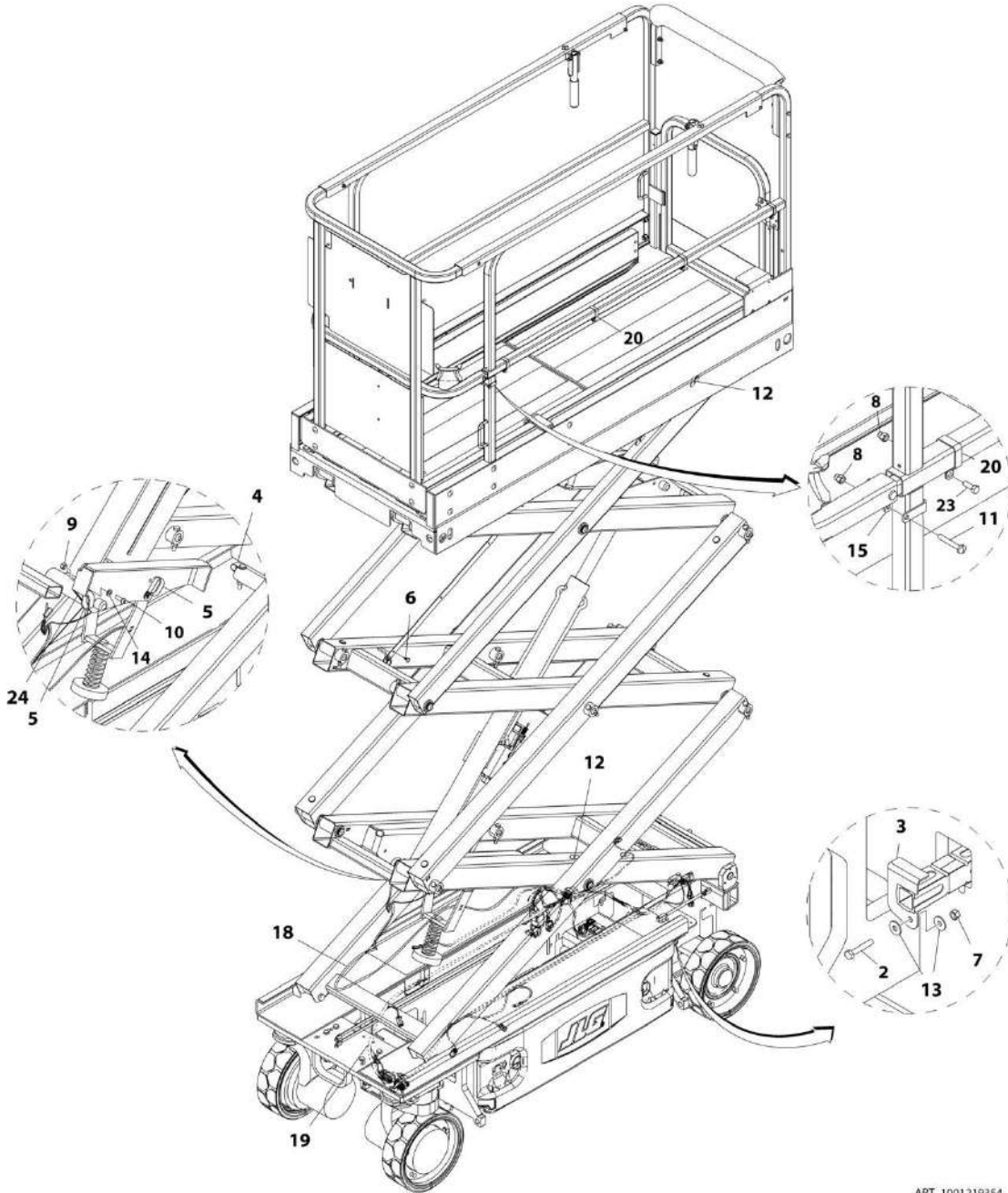
### FIGURE 7-16. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178531	Ref	CABLES INSTALLATION	F
		Ref	Usage Chart	
		Ref	Belgium Built Machines (SN 1200025021 through 1200025120)	
		Ref	China Built Machines (SN B200020297 through B200035278)	
		Ref	Mexico Built Machines	
		Ref	Korea Specs (SN M200017711 to Present)	
		Ref	USA Built Machines	
		Ref	ANSI Export and China Specs (SN 0200248241 to Present)	
		Ref	Japanese Specs (SN 0200258070 to Present)	
		Ref	Australian and CE Specs (All Machines)	
1	0100048	AR	Grease, Dielectric (Not Shown)	
2	0700615	1	Screw, M6 x 35	
3	0903339	1	Bracket, Battery	
4	1320318	1	Clamp	
5	1321716	2	Clamp	
6	1380158	11	Clip	
7	3290605	1	Nut M6	
8	3290606	5	Cap Nut, M6	
9	3291005	1	Nut M10	
10	3900351	1	Screw, M10 x 30	
11	4010616	1	Screw, M6 x 40	
12	4740545	4	Washer	
13	4811702	2	Washer M6	
14	4812000	1	Washer M10	
15	1001094175	1	Clamp	
16	1001178683	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
17	1001096705	1	Platform Harness (Includes Item 20) (Not Shown - See PLATFORM HARNESS for Breakdown) (SN 0200239382 through 0200262428, SN 1200025021 through 1200025120, SN B200020297 through B200035278, SN M200000100 through M200010194)	
17	1001201242	1	Platform Harness (Includes Item 20) (Not Shown - See PLATFORM HARNESS for Breakdown) (SN 0200262429 to Present, SN M200010195 to Present)	
18	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
19	1001187203	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	
20	1001094180	NLA	Clamp (Use p/n 1001210760) (SN 0200239382 through 0200257625, SN 1200025021 through 1200025120, SN B200020297 through B200035278, SN M200000100 through M200002832)	
20	1001210433	NLA	Clamp (Use p/n 1001210760) (SN 0200257626 to Present, SN M200002833 to Present)	
21	1001178535	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
22	1001178536	1	Cable, Pump Power (Not Shown - See PUMP POWER CABLE ASSEMBLY for Breakdown)	
23	0760606	4	Bolt M6 x 12	
24	4060805	8 in/20cm	Flex-Trim (SN 0200259948 to Present, SN 1200026043 to Present, SN M200002805 to Present)	

# SECTION 7 - ELECTRICAL

## FIGURE 7-17. CABLES INSTALLATION

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



ART\_1001219354

## SECTION 7 - ELECTRICAL

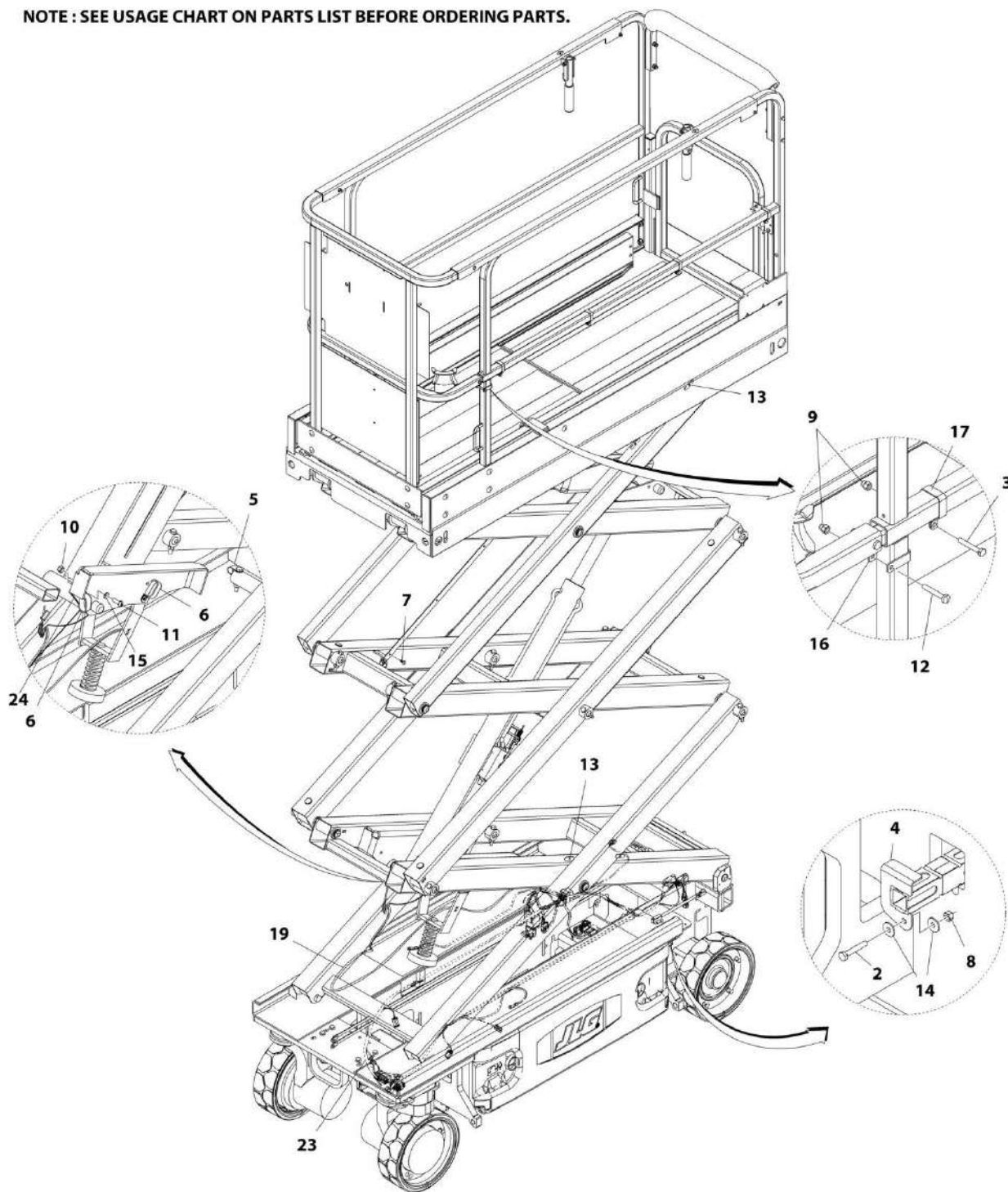
### FIGURE 7-17. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219354	Ref	CABLES INSTALLATION	C
		Ref	Usage Chart	
		Ref	Belgium Built Machines <b>(SN 1200025121 to Present)</b>	
		Ref	China Built Machines <b>(SN B200035279 to Present)</b>	
		Ref	ANSI Export, Australian, CE, Japanese, Korea and China Specs	
1	0100048	AR	Grease, Dielectric (Not Shown)	
2	0700615	1	Screw, M6 x 35	
3	0903339	1	Bracket, Battery	
4	1320318	1	Clamp	
5	1321716	2	Clamp	
6	1380158	11	Clip	
7	3290605	1	Nut M6	
8	3290606	5	Cap Nut, M6	
9	3291005	1	Nut M10	
10	3900351	1	Screw, M10 x 30	
11	4010616	1	Screw, M6 x 40	
12	4740545	4	Washer	
13	4811702	2	Washer M6	
14	4812000	1	Washer M10	
15	1001094175	1	Clamp	
16	1001178683	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
17	1001096705	1	Platform Harness (Includes Item 20) (Not Shown - See PLATFORM HARNESS for Breakdown)	
18	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
19	1001187203	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	
20	1001220668	4	Clamp	
21	1001178535	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
22	1001178536	1	Cable, Pump Power (Not Shown - See PUMP POWER CABLE ASSEMBLY for Breakdown)	
23	0760606	4	Bolt M6 x 12	
23	0760605	4	Bolt M6 x 10	
24	4060805	8 in/20cm	Flex-Trim <b>(SN B200038196 to Present, SN 1200025121 to Present)</b>	

# SECTION 7 - ELECTRICAL

## FIGURE 7-18. CABLES INSTALLATION

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



ART\_1001196865

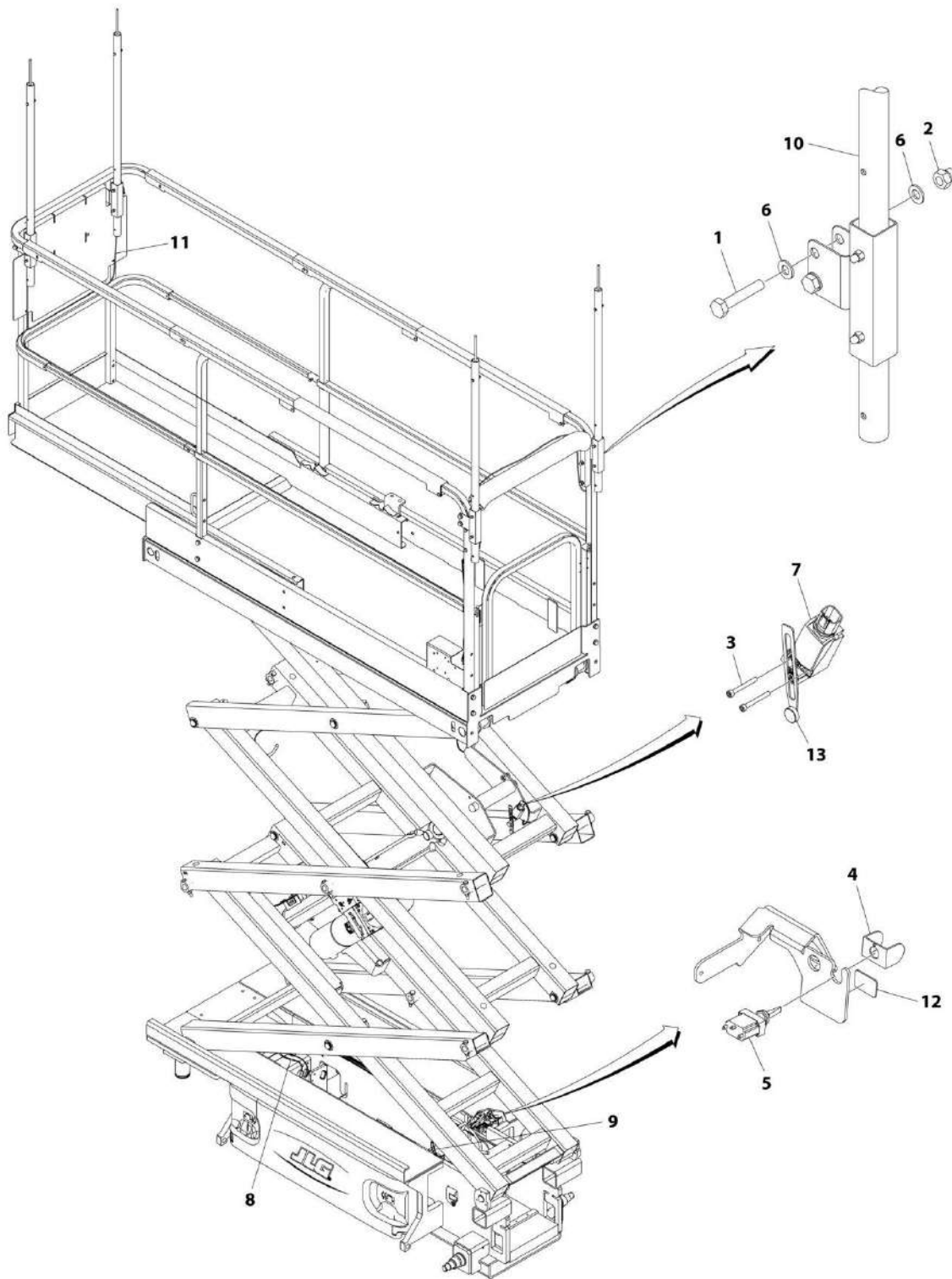
## SECTION 7 - ELECTRICAL

### FIGURE 7-18. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196865	Ref	CABLES INSTALLATION	C
		Ref	Usage Chart	
		Ref	China Built Machines ( <b>SN B200020297 through B200035278</b> )	
		Ref	Mexico Built Machines	
		Ref	USA Built Machines	
		Ref	UL Machines (All Machines)	
1	0100048	AR	Grease, Dielectric (Not Shown)	
2	0700615	1	Screw M6 x 35	
3	0760606	4	Screw M6 x 12	
4	0903339	1	Bracket, Battery	
5	1320318	1	Clamp	
6	1321716	2	Clamp	
7	1380158	11	Clip	
8	3290605	1	Nut M6	
9	3290606	5	Cap Nut, M6	
10	3291005	1	Nut M10	
11	3900351	1	Screw M10 x 30	
12	4010616	1	Screw M6 x 40	
13	4740545	4	Washer	
14	4811702	2	Washer M6	
15	4812000	1	Washer M10	
16	1001094175	1	Clamp	
17	1001094180	NLA	Clamp (Use p/n 1001210760) ( <b>SN 0200239382 through 0200257625, SN B200020297 through B200035278, SN M200000100 through M200002832</b> )	
17	1001210433	NLA	Clamp (Use p/n 1001210760) ( <b>SN 0200257626 to Present, SN M200002833 to Present</b> )	
18	1001096705	1	Platform Harness (Includes Item 17) (Not Shown - See PLATFORM HARNESS for Breakdown) ( <b>SN 0200239382 through 0200262428, SN B200020297 through B200035278, SN M200000100 through M200010194</b> )	
18	1001201242	1	Platform Harness (Includes Item 17) (Not Shown - See PLATFORM HARNESS for Breakdown) ( <b>SN 0200262429 to Present, SN M200010195 to Present</b> )	
19	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
20	1001178535	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
21	1001178536	1	Cable, Pump Power (Not Shown - See PUMP POWER CABLE ASSEMBLY for Breakdown)	
22	1001178685	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
23	1001196836	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	
24	4060805	8 in/20cm	Flex-Trim ( <b>SN 0200259948 to Present, SN M200002805 to Present</b> )	

# SECTION 7 - ELECTRICAL

## FIGURE 7-19. CABLES INSTALLATION



ART\_1001214119



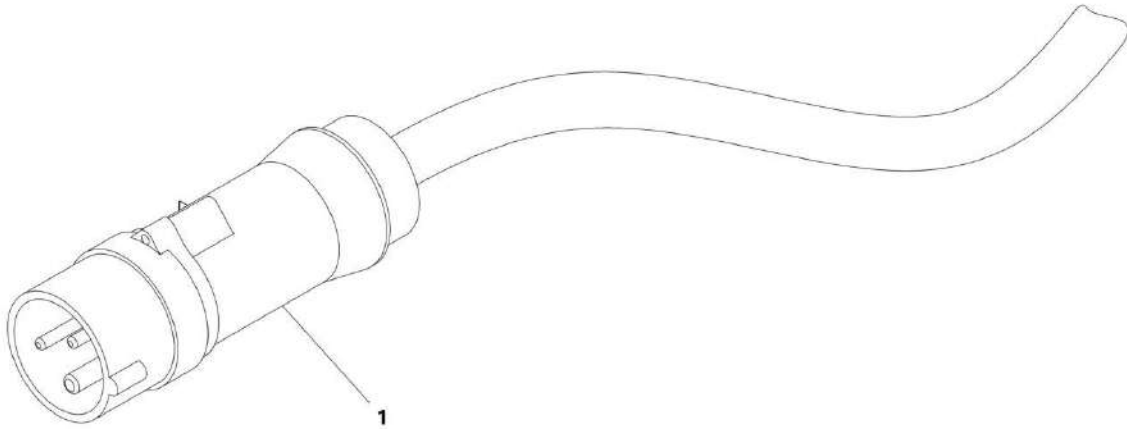
## SECTION 7 - ELECTRICAL

### FIGURE 7-19. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219357	Ref	CABLES INSTALLATION	C
		Ref	Usage Chart	
		Ref	China Built Machines ( <b>SN B200035279 to Present</b> )	
		Ref	UL Machines	
1	0100048	AR	Grease, Dielectric (Not Shown)	
2	0700615	1	Screw M6 x 35	
3	0760606	4	Screw M6 x 12	
3	0760605	4	Bolt M6 x 10	
4	0903339	1	Bracket, Battery	
5	1320318	1	Clamp	
6	1321716	2	Clamp	
7	1380158	11	Clip	
8	3290605	1	Nut M6	
9	3290606	5	Cap Nut, M6	
10	3291005	1	Nut M10	
11	3900351	1	Screw M10 x 30	
12	4010616	1	Screw M6 x 40	
13	4740545	4	Washer	
14	4811702	2	Washer M6	
15	4812000	1	Washer M10	
16	1001094175	1	Clamp	
17	1001220668	4	Clamp	
18	1001096705	1	Platform Harness (Includes Item 17) (Not Shown - See PLATFORM HARNESS for Breakdown)	
19	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
20	1001178535	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
21	1001178536	1	Cable, Pump Power (Not Shown - See PUMP POWER CABLE ASSEMBLY for Breakdown)	
22	1001178685	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
23	1001196836	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	
24	4060805	8 in/20cm	Flex-Trim ( <b>SN B200038196 to Present</b> )	

## SECTION 7 - ELECTRICAL

FIGURE 7-20. CHARGER CORD PLUG INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY)



ART\_0275666

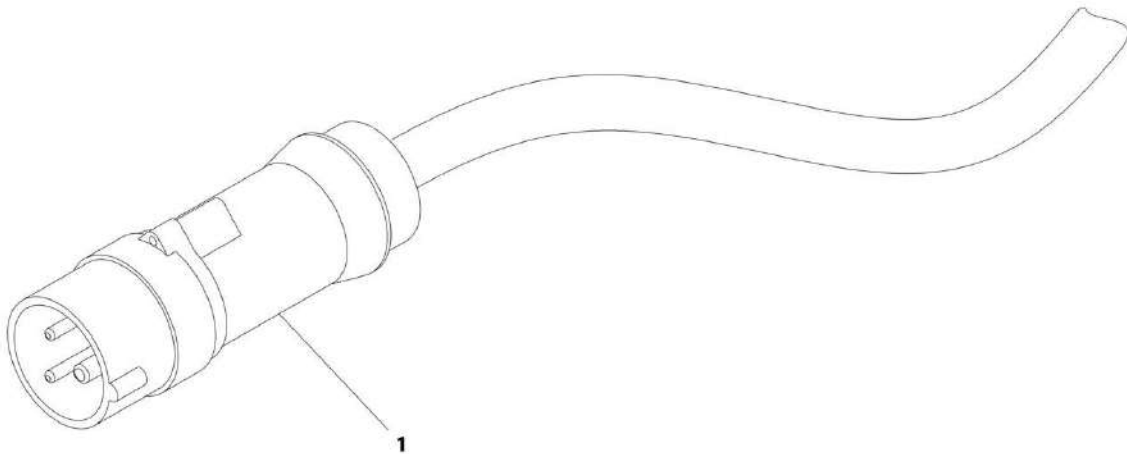
## SECTION 7 - ELECTRICAL

**FIGURE 7-20. 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 (CE SPEC)	A
1	4461196	1	Plug	

## SECTION 7 - ELECTRICAL

FIGURE 7-21. CHARGER CORD PLUG INSTALLATION - 220V IEC BLUE (CE SPEC)



ART\_0275667

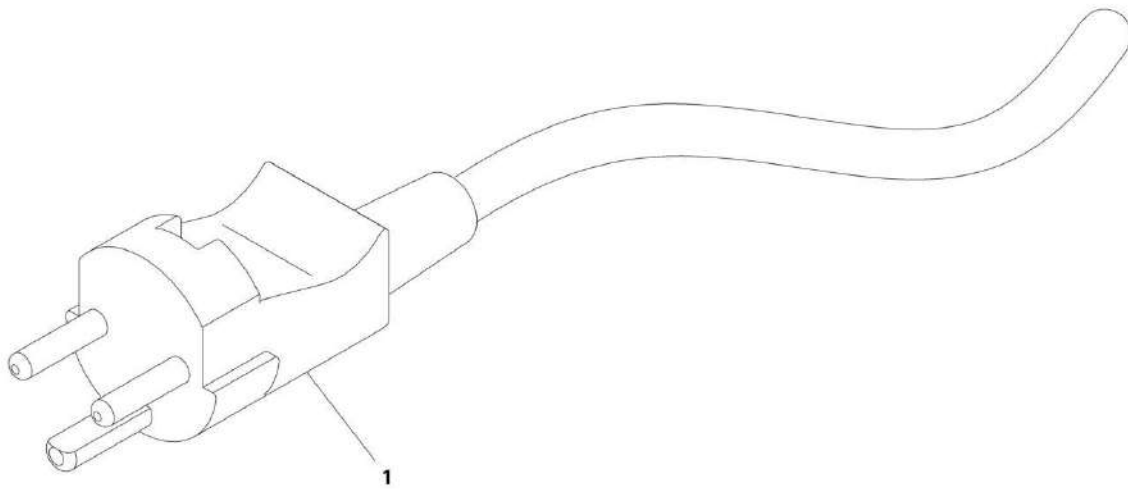
## SECTION 7 - ELECTRICAL

**FIGURE 7-21. CHARGER CORD PLUG INSTALLATION - 220V IEC BLUE (CE SPEC)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275667	Ref	CHARGER CORD PLUG INSTALLATION - 220V IEC BLUE (CE SPEC)	A
1	4461199	1	Plug	

## SECTION 7 - ELECTRICAL

FIGURE 7-22. CHARGER CORD PLUG INSTALLATION - 220V AFSINT 107 (CE SPEC)



ART\_0275665

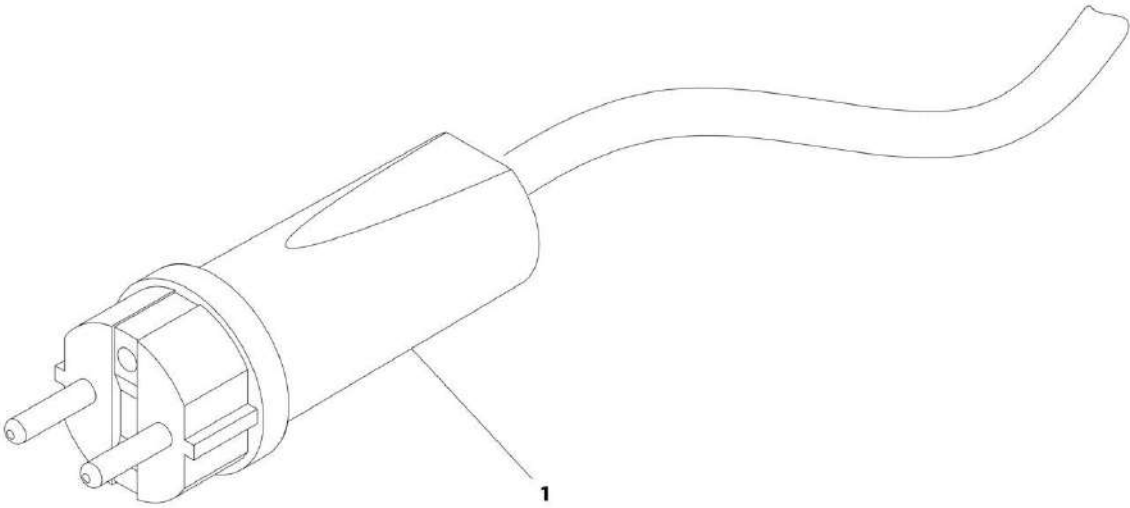
## SECTION 7 - ELECTRICAL

**FIGURE 7-22. CHARGER CORD PLUG INSTALLATION - 220V AFSINT 107 (CE SPEC)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275665	Ref	CHARGER CORD PLUG INSTALLATION - 220V AFSINT 107 (CE SPEC)	A
1	4461249	1	Plug	

**SECTION 7 - ELECTRICAL**

**FIGURE 7-23. CHARGER CORD PLUG INSTALLATION - 220V CEE7 POST GROUND (CE SPEC)**



ART\_0275664



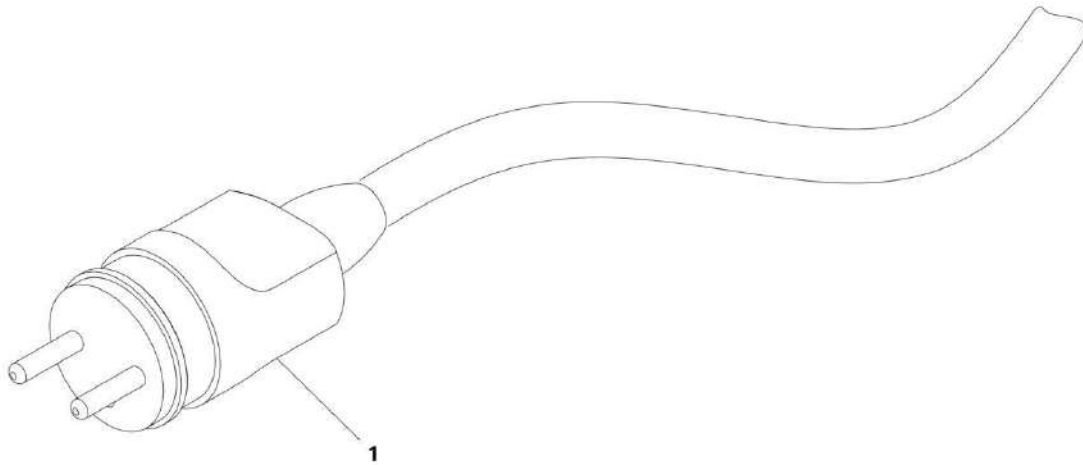
## SECTION 7 - ELECTRICAL

**FIGURE 7-23. CHARGER CORD PLUG INSTALLATION - 220V CEE7 POST GROUND (CE SPEC)**

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

## SECTION 7 - ELECTRICAL

FIGURE 7-24. CHARGER CORD PLUG INSTALLATION - 220V POST GROUND (CE SPEC)



ART\_0275663

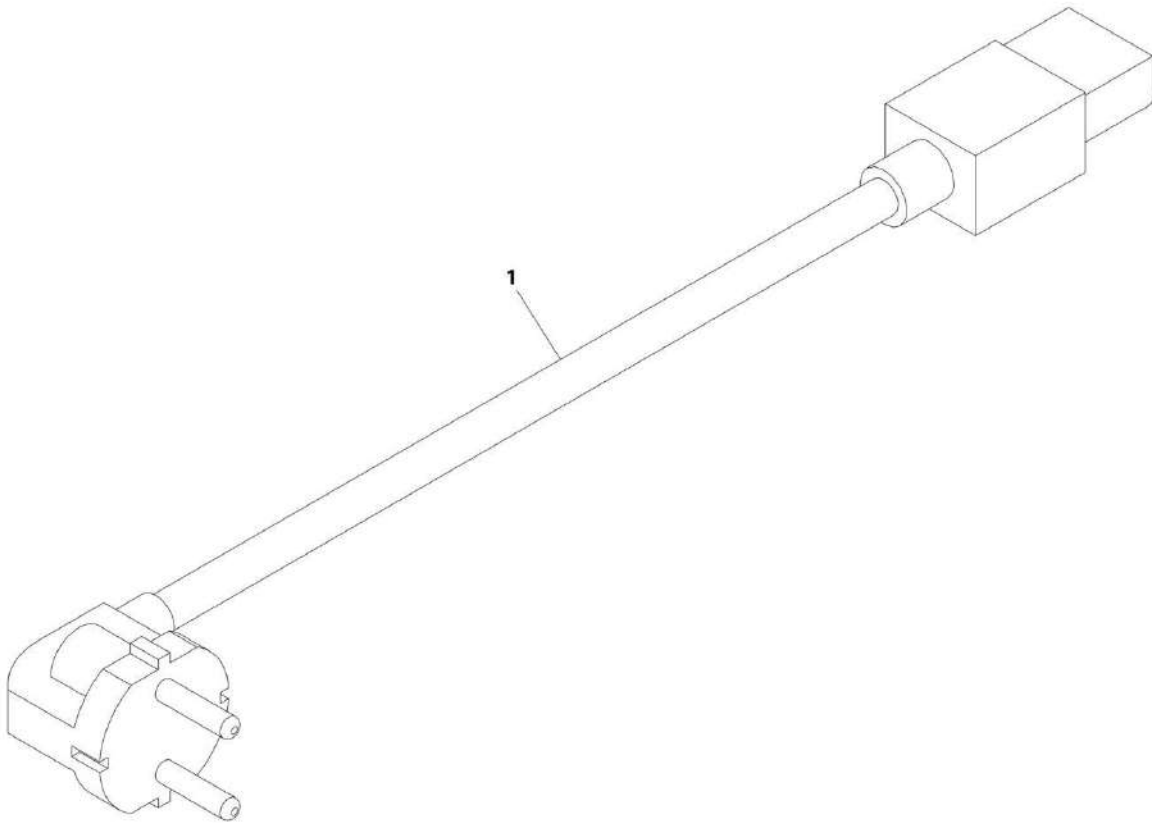
## SECTION 7 - ELECTRICAL

**FIGURE 7-24. CHARGER CORD PLUG INSTALLATION - 220V POST GROUND (CE SPEC)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275663	Ref	CHARGER CORD PLUG INSTALLATION - 220V POST GROUND (CE SPEC)	C
1	4461202	NLA	Plug (Use p/n 4461205) (SN 0200239382 through 0200256617, SN B200020297 through B200037242, SN M200000100 through M200002249)	
1	4461205	1	Plug (SN 0200256618 to Present, SN 1200025021 to Present, SN B2000037243 to Present, SN M200002250 to Present)	

## SECTION 7 - ELECTRICAL

FIGURE 7-25. CHARGER CORD PLUG INSTALLATION (KOREA SPEC)



ART\_1001221984

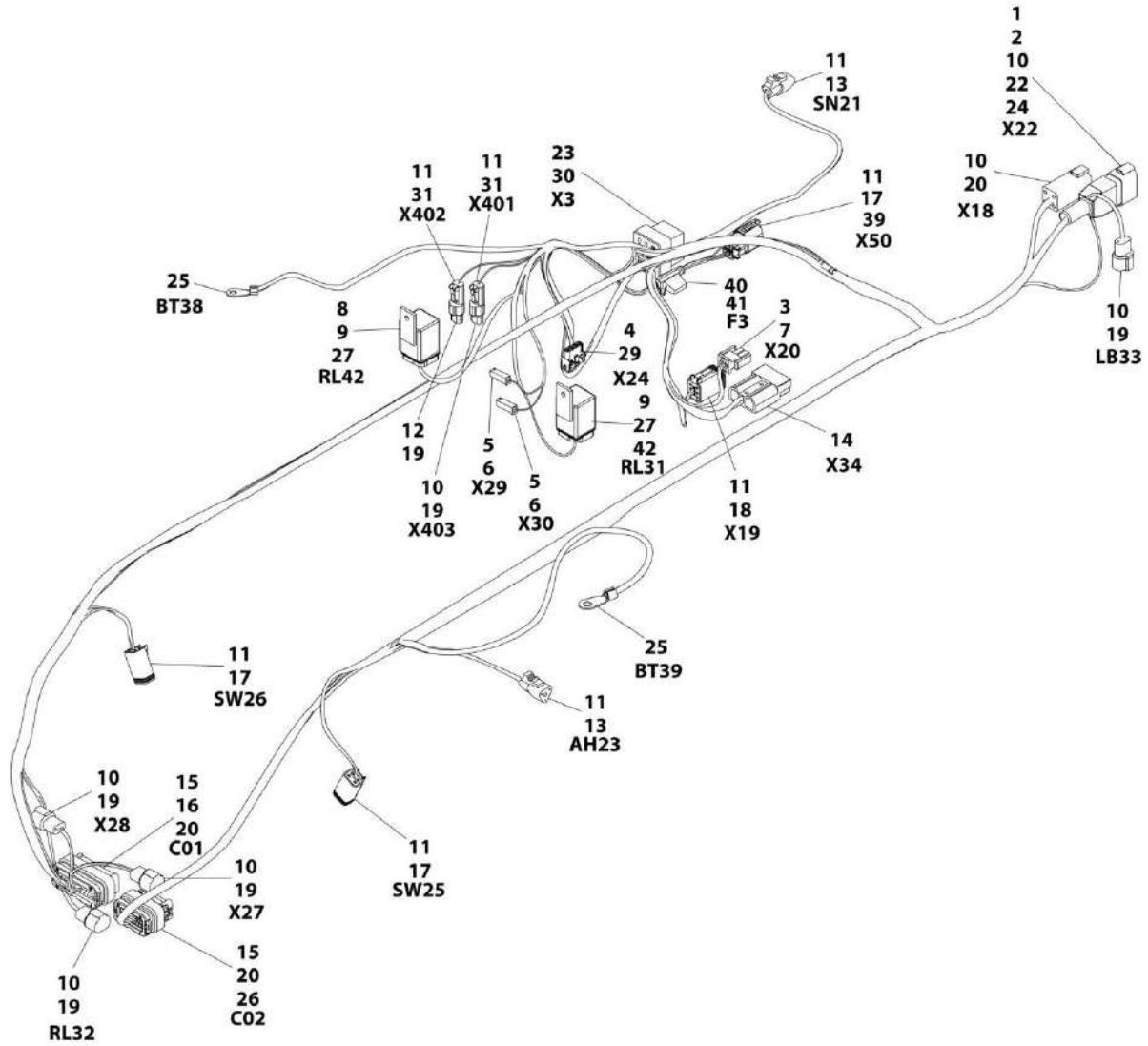
## SECTION 7 - ELECTRICAL

**FIGURE 7-25. CHARGER CORD PLUG INSTALLATION (KOREA SPEC)**

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

# SECTION 7 - ELECTRICAL

## FIGURE 7-26. CHASSIS HARNESS



ART\_1001187203

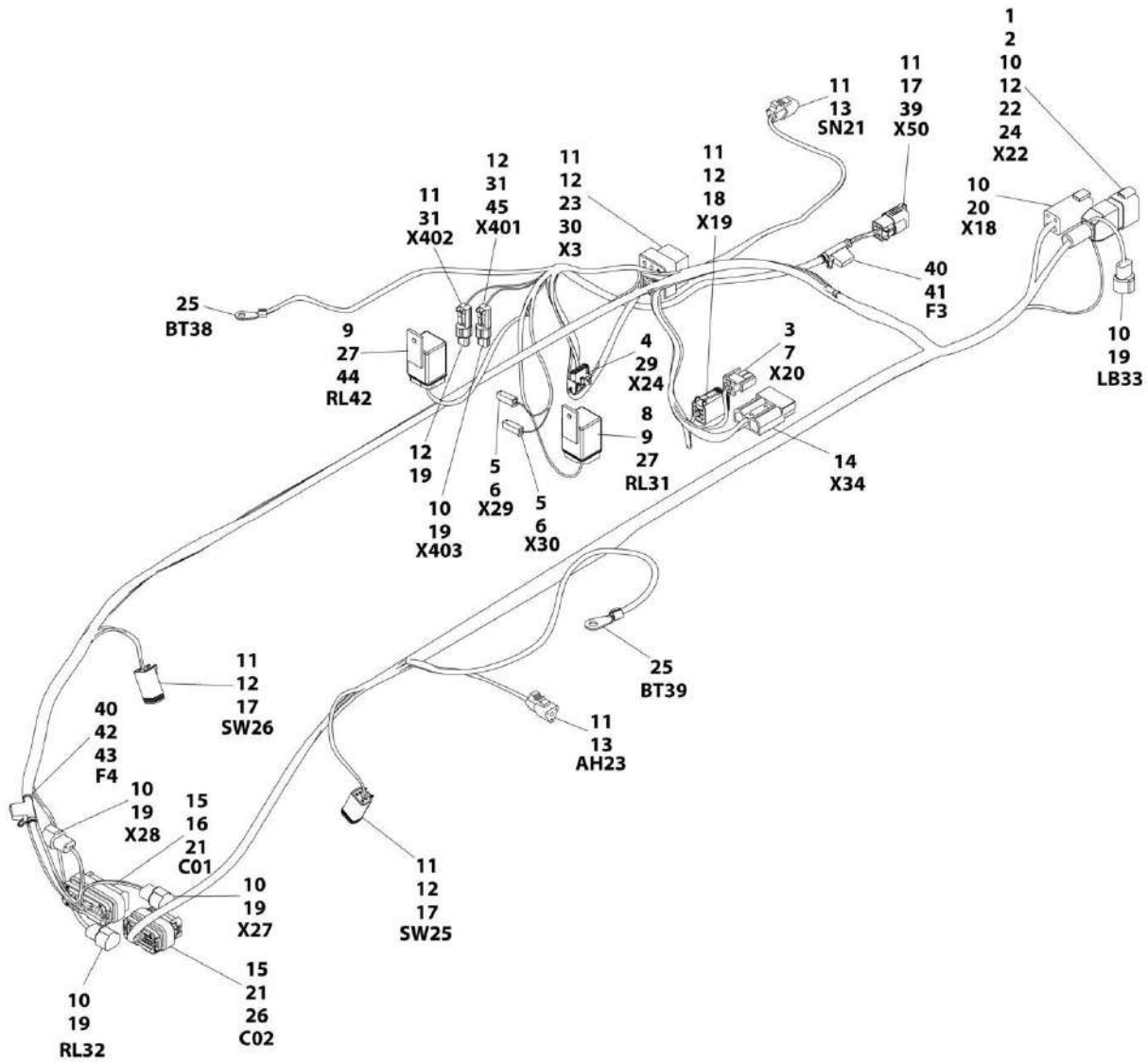
## SECTION 7 - ELECTRICAL

### FIGURE 7-26. CHASSIS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187203	Ref	CHASSIS HARNESS	F
1	0840058	1	Boot	
2	2820028	1	Heat Shrink	
3	4460226	2	Socket, Female	
4	4460227	4	Pin, Male	
5	4460259	2	Terminal	
6	4460260	2	Terminal	
7	4460320	1	Terminal	
8	4460374	1	Plug, Relay	
9	4460375	8	Terminal	
10	4460464	18	Pin, Male	
11	4460465	AR	Socket, Female	
12	4460466	11	Seal	
13	4460539	2	Plug, Male - 3 Position	
14	4460648	1	Connector, Anderson	
15	4460871	39	Socket, Female	
16	4460873	1	Connector - 35 Position (Black)	
17	4460884	AR	Plug, Male - 4 Position	
18	4460894	1	Plug, Male - 6 Position	
19	4460897	6	Receptacle, Female - 2 Position	
20	4460899	1	Receptacle, Female - 6 Position	
21	4460905	20	Seal	
22	4460931	1	Receptacle, Female - 8 Position	
23	4460942	2	Socket, Female	
24	4460943	2	Pin, Male	
25	4460986	2	Terminal, Ring	
26	1001096138	1	Connector, 23 Position	
27	1001097347	2	Relay	
29	4460761	1	Receptacle, Female - 4 Position	
30	1001115076	1	Connector, 18 Position	
31	4460891	2	Plug, Male - 2 Position	
39	1001192401	1	Cap, Dust (SN 0200248842 to Present, SN 1200025021 to Present, SN M200000140 to Present, SN B200024964 to Present)	
40	2400060	1	Fuseholder with Cover (SN 0200248842 to Present, SN 1200025021 to Present, SN M200000140 to Present, SN B200024964 to Present)	
41	8229242	1	Fuse 5Amp (SN 0200248842 to Present, SN 1200025021 to Present, SN M200000140 to Present, SN B200024964 to Present)	
42	4460374	1	Plug, Relay (SN 0200239382 through 0200253043, SN B200020297 through B200028157, SN M200000100 through M200000687)	
42	1001117057	1	Plug, Relay (SN 0200253044 to Present, SN 1200025021 to Present, SN B200028158 to Present, SN M200000688 to Present)	

# SECTION 7 - ELECTRICAL

## FIGURE 7-27. CHASSIS HARNESS - UL MACHINES



ART\_1001196836



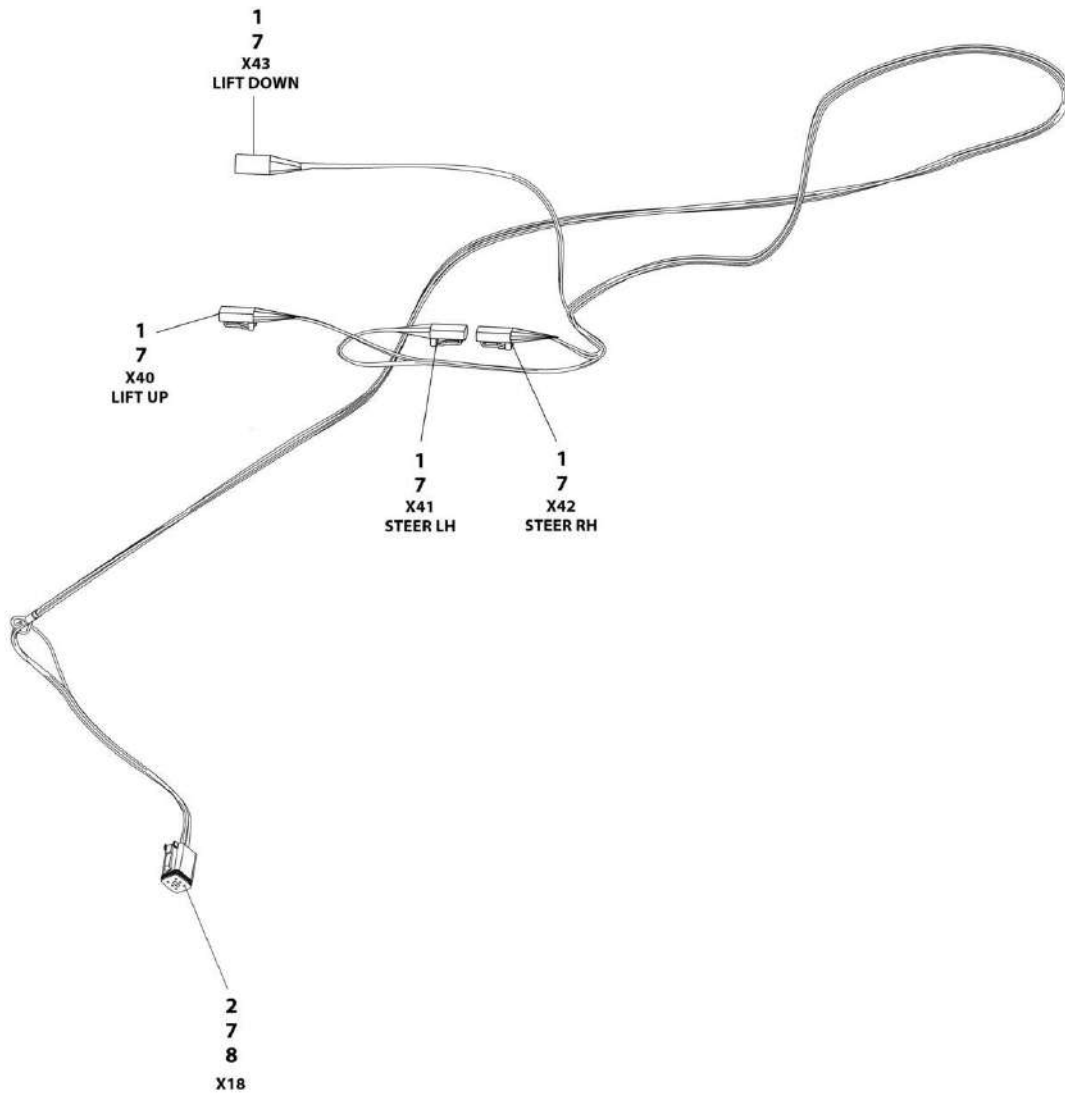
## SECTION 7 - ELECTRICAL

**FIGURE 7-27. CHASSIS HARNESS - UL MACHINES**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196836	Ref	CHASSIS HARNESS - UL MACHINES	E
1	0840058	1	Boot	
2	2820028	1	Heat Shrink	
3	4460226	2	Socket, Female	
4	4460227	4	Terminal	
5	4460259	2	Terminal	
6	4460260	2	Terminal	
7	4460320	1	Terminal	
8	4460374	1	Plug, Relay	
9	4460375	AR	Terminal	
10	4460464	AR	Pin, Male	
11	4460465	AR	Socket, Female	
12	4460466	AR	Seal	
13	4460539	2	Plug, Male - 3 Position	
14	4460648	1	Connector, Anderson	
15	4460871	39	Socket, Female	
16	4460873	1	Connector - 35 Position (Black)	
17	4460884	3	Plug, Male - 4 position	
18	4460894	1	Plug, Male - 6 Position	
19	4460897	6	Receptacle, Female - 2 Position	
20	4460899	1	Receptacle, Female - 6 Position	
21	4460905	AR	Seal	
22	4460931	1	Receptacle, Female - 8 Position	
23	4460942	2	Socket, Female	
24	4460943	AR	Pin, Male	
25	4460986	2	Terminal, Ring	
26	1001096138	1	Connector - 23 Position	
27	1001197347	2	Relay	
29	4460761	1	Receptacle, Female - 4 Position	
30	1001115076	1	Connector - 18 Position	
31	4460891	2	Plug, Male - 2 Position	
39	1001192401	1	Cap, Dust	
40	2400060	2	Fuseholder	
41	8229242	1	Fuse - 5 Amp	
42	1001196838	1	Fuse - 3 Amp	
43	2820152	AR	Heat Shrink	
44	1001117057	1	Connector - 4 Position	
45	1001157890	1	Terminal	

# SECTION 7 - ELECTRICAL

## FIGURE 7-28. CYLINDER HARNESS



ART\_1001115002

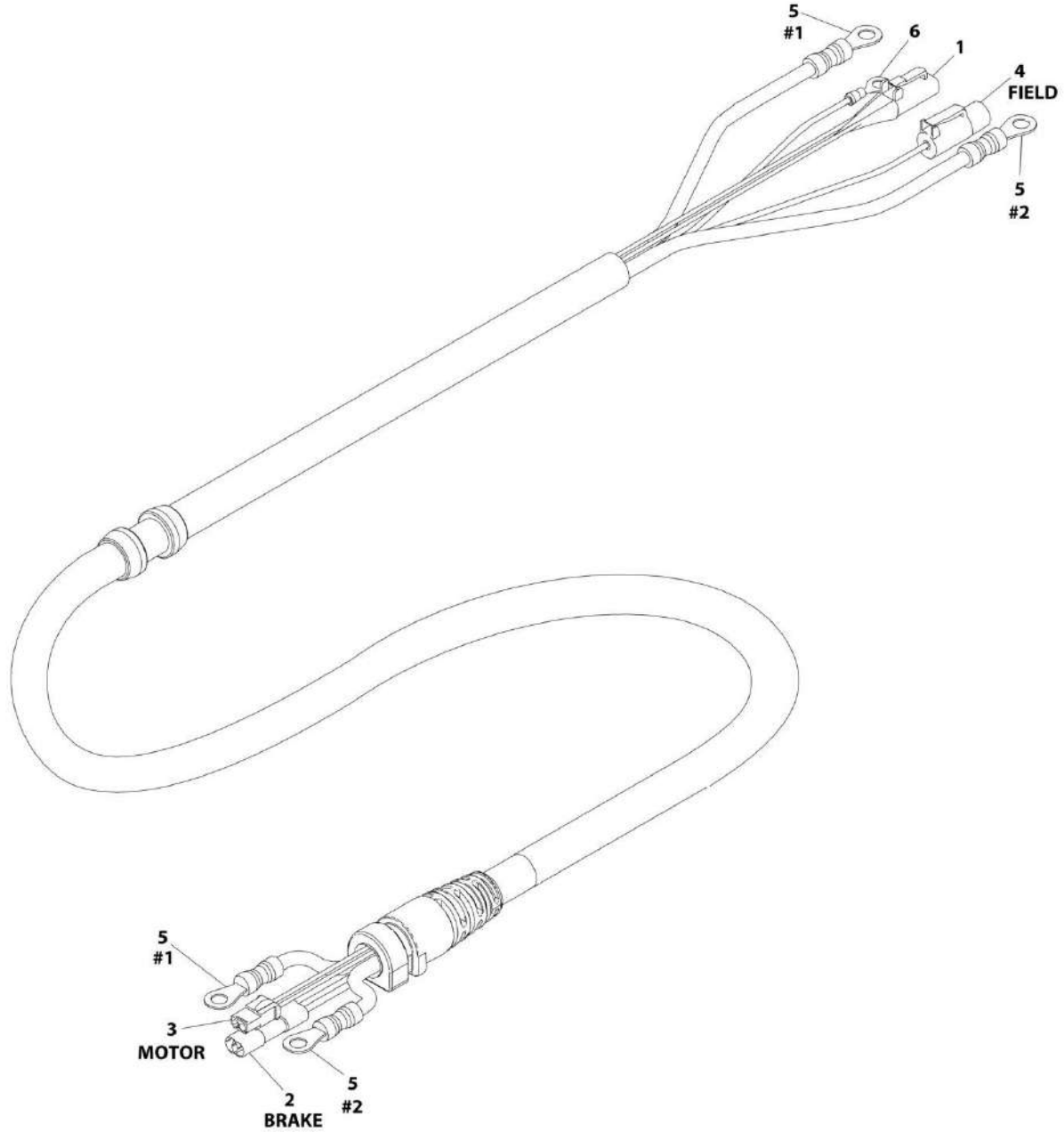
## SECTION 7 - ELECTRICAL

### FIGURE 7-28. CYLINDER HARNESS

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

# SECTION 7 - ELECTRICAL

## FIGURE 7-29. DRIVE CABLE ASSEMBLY



ART\_1001091502

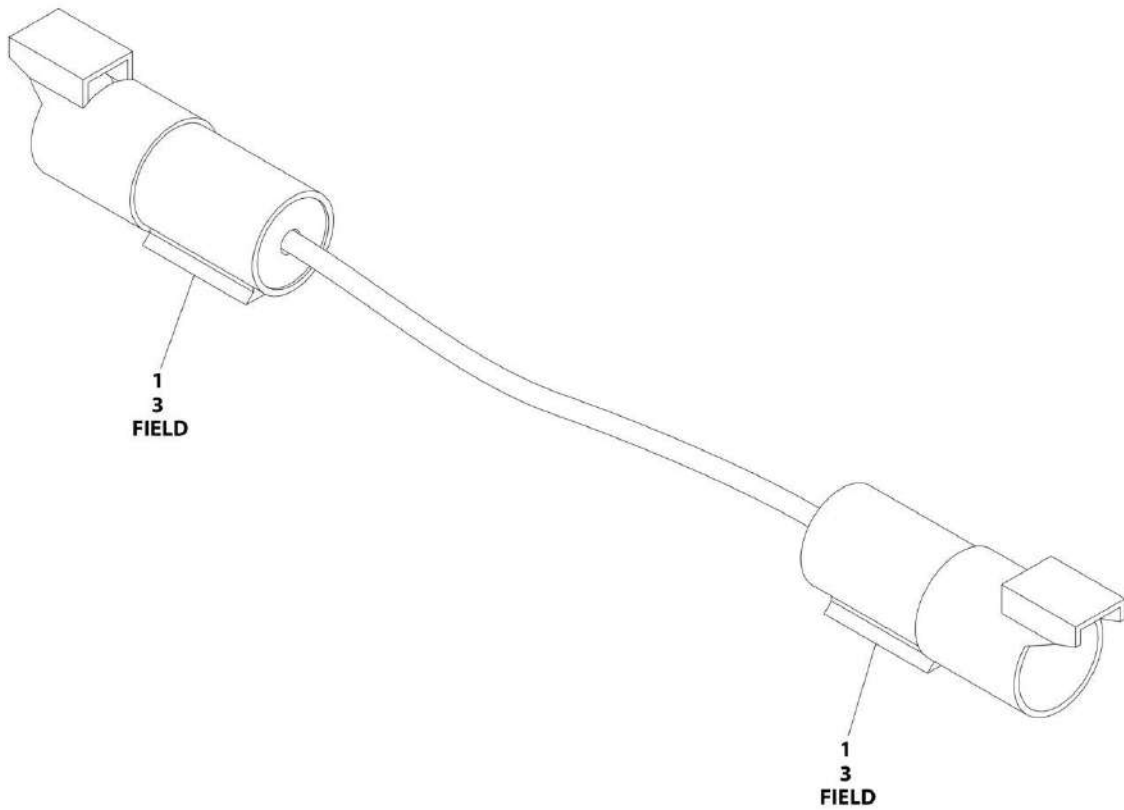
## SECTION 7 - ELECTRICAL

### FIGURE 7-29. DRIVE CABLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091502	Ref	DRIVE CABLE ASSEMBLY	F
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	
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 7-30. DRIVE FIELD CONNECTION HARNESS



ART\_4923602

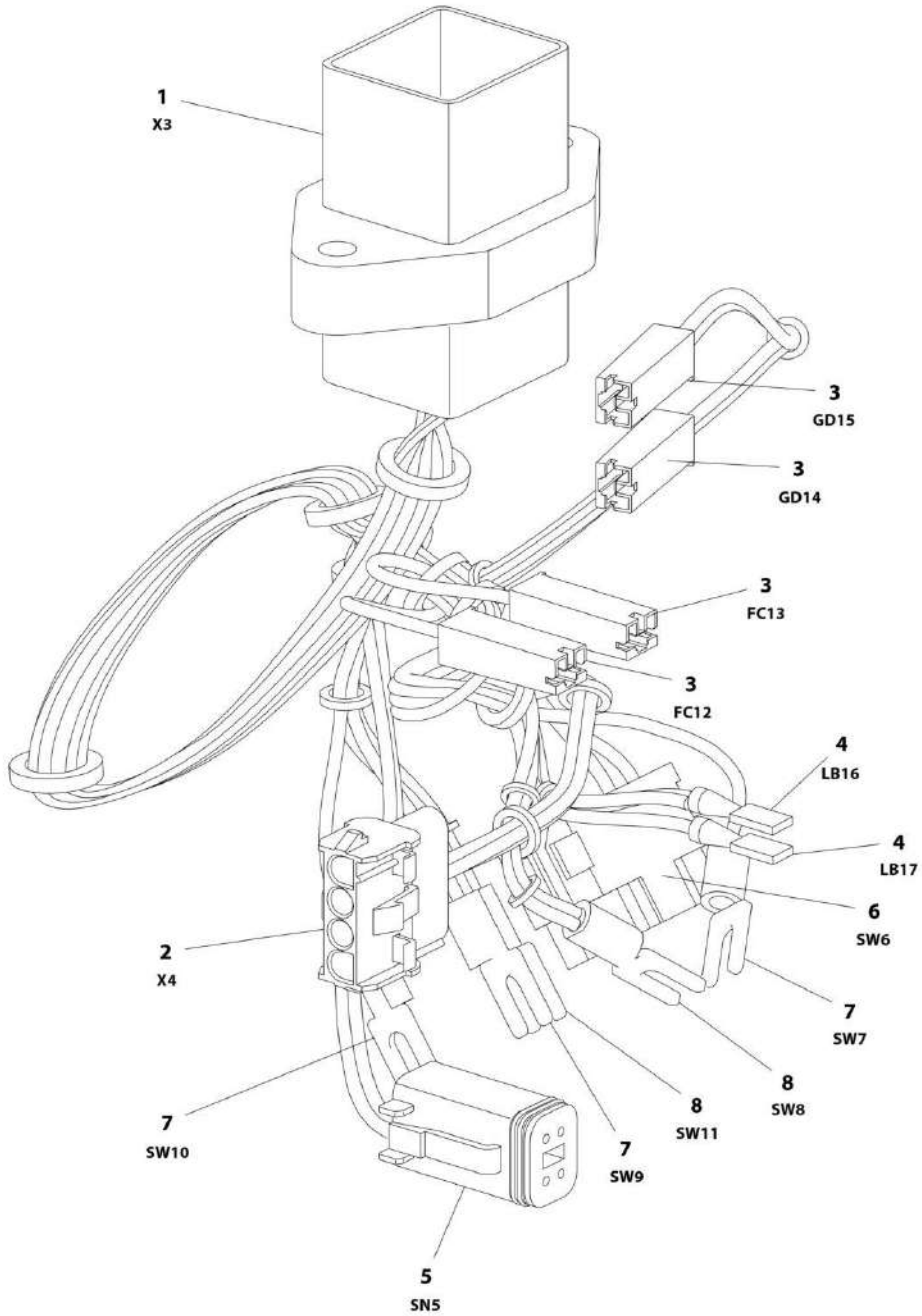
## SECTION 7 - ELECTRICAL

### FIGURE 7-30. 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 7-31. GROUND CONTROL BOX HARNESS (SN B200020297 through B200023284)



ART\_1001114935



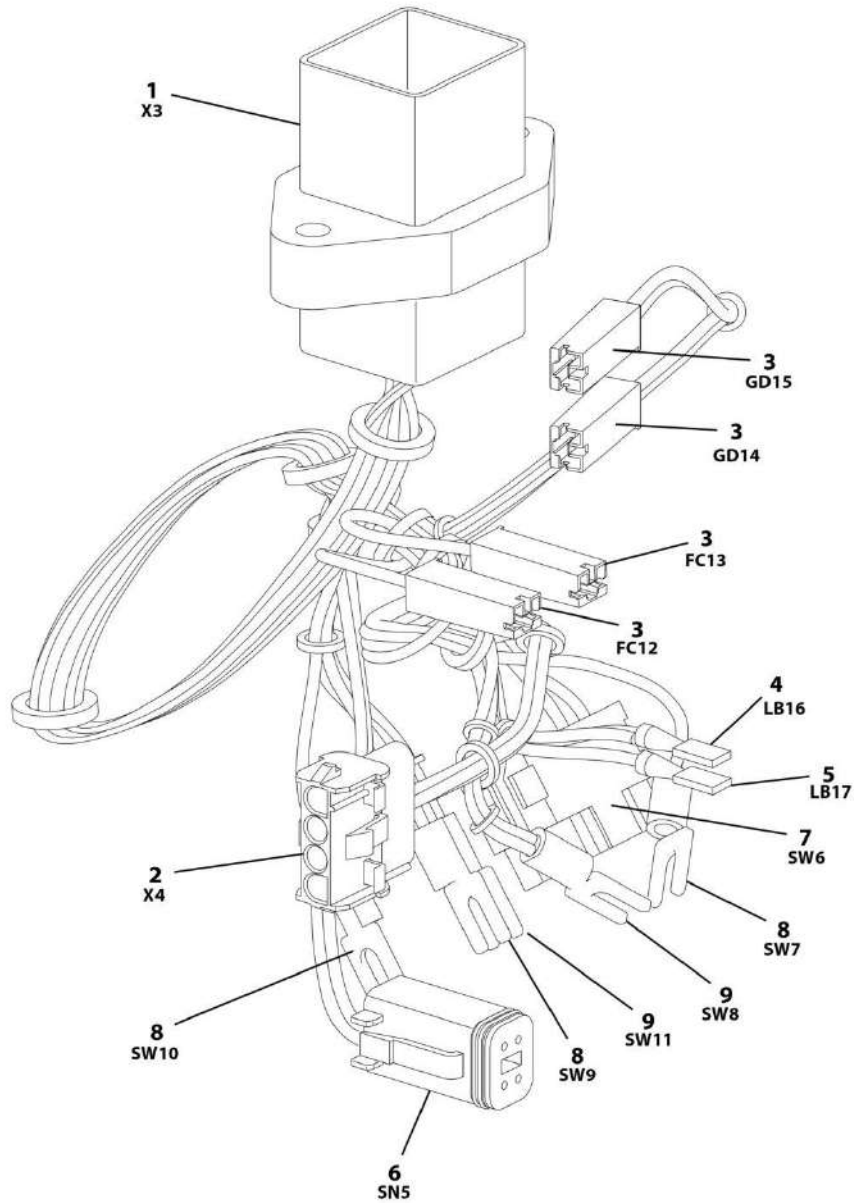
## SECTION 7 - ELECTRICAL

**FIGURE 7-31. GROUND CONTROL BOX HARNESS (SN B200020297 through B200023284)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114935	Ref	GROUND CONTROL BOX HARNESS (SN B200020297 through B200023284)	B
1	See Note	NSS	Connector - 18 Position (Note: Not Available for Purchase)	
1	See Note	NSS	Terminal (Note: Not Available for Purchase)	
2	4460961	1	Receptacle, Female - 4 Position	
2	4460267	4	Pin, Male	
3	4460260	4	Housing, Terminal	
3	4460259	4	Terminal	
4	See Note	NSS	Terminal	
5	4461077	1	Plug, Male - 4 Position	
5	4460944	4	Socket, Female	
6	4460418	1	Connector - 6 Position	
6	4460419	3	Terminal	
7	See Note	NSS	Terminal, Fork (Note: Not Available for Purchase)	
8	See Note	NSS	Terminal, Fork (Note: Not Available for Purchase)	

## SECTION 7 - ELECTRICAL

FIGURE 7-32. GROUND CONTROL BOX HARNESS (SN 0200239382 to Present, SN 1200025021 to Present, SN B200023285 to Present, SN M200000100 to Present)



ART\_1001167256

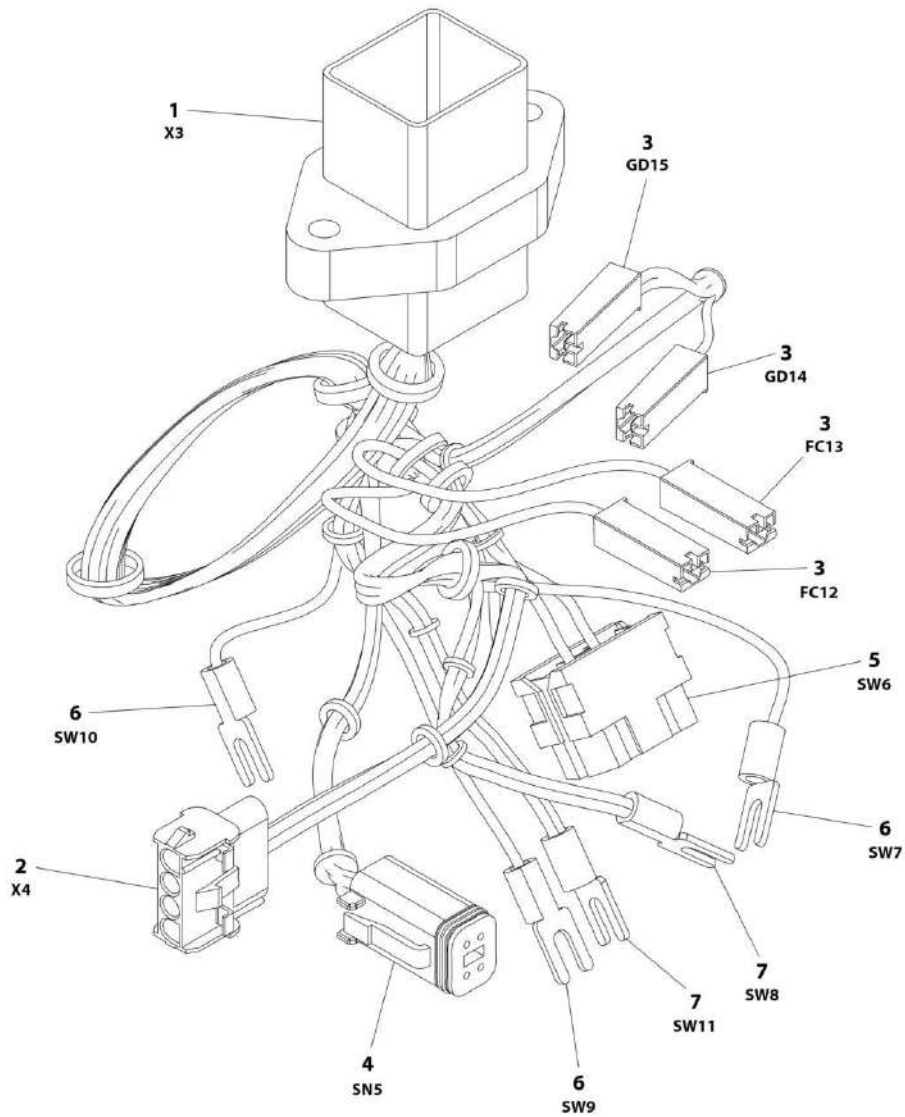
## SECTION 7 - ELECTRICAL

**FIGURE 7-32. GROUND CONTROL BOX HARNESS (SN 0200239382 to Present, SN 1200025021 to Present, SN B200023285 to Present, SN M200000100 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167256	Ref	GROUND CONTROL BOX HARNESS (SN 0200239382 to Present, SN 1200025021 to Present, SN B200023285 to Present, SN M200000100 to Present)	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	4461077	1	Connector - 4 Position (SN 0200239382 through 0200261430, SN B200023285 through B200038041, SN M200000100 through M200007496)	
6	4460884	1	Connector - 4 Position (SN 0200261430 to Present, SN 1200025021 to Present, SN B200038042 to Present, SN M200007497 to Present)	
6	4460918	4	Socket, Female	
7	4460418	1	Connector - 6 Position	
7	1001159186	3	Terminal	
8	4460183	3	Terminal, Fork	
9	4460115	2	Terminal, Fork	

## SECTION 7 - ELECTRICAL

FIGURE 7-33. GROUND CONTROL BOX HARNESS - NO LSS (SN 0200266380 to Present, SN B200042931 to Present, SN M200012180 to Present)



ART\_1001208641

## SECTION 7 - ELECTRICAL

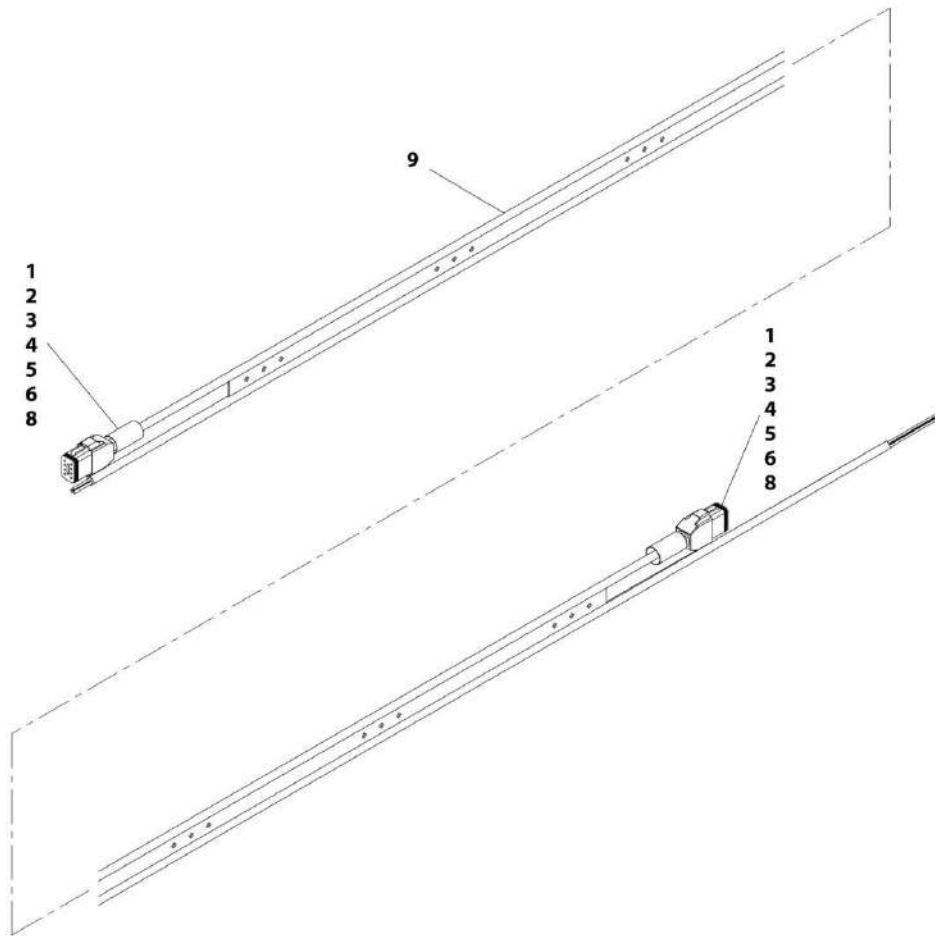
**FIGURE 7-33. GROUND CONTROL BOX HARNESS - NO LSS (SN 0200266380 to Present, SN B200042931 to Present, SN M200012180 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208641	Ref	GROUND CONTROL BOX HARNESS -NO LSS (SN 0200266380 to Present, SN B200042931 to Present, SN M200012180 to Present)	A
1	1001115077	1	Connector - 18 Position	
1	4460464	13	Pin, Male	
1	4460943	2	Pin, Male	
1	4460466	3	Seal	
2	1001119032	1	Connector - 4 Position	
2	4460268	4	Socket, Female	
3	4460260	4	Housing, Terminal	
3	4460259	4	Terminal	
4	4460884	1	Connector - 4 Position	
4	4460918	4	Socket, Female	
5	4460418	1	Connector - 6 Position	
5	1001159186	3	Terminal	
6	4460183	3	Terminal, Fork	
7	4460115	2	Terminal, Fork	

# SECTION 7 - ELECTRICAL

## FIGURE 7-34. GROUND TO PLATFORM HARNESS

**USAGE CHART:**  
ANSI, CSA, JAPANESE AND UL SPECS (ALL MACHINES)  
ANSI EXPORT AND CHINA SPECS  
(SN 0200239382 THROUGH 0200248240,  
SN B200020296 THROUGH B200024249,  
SN M200000100 THROUGH M200000140)



ART\_1001178685

## SECTION 7 - ELECTRICAL

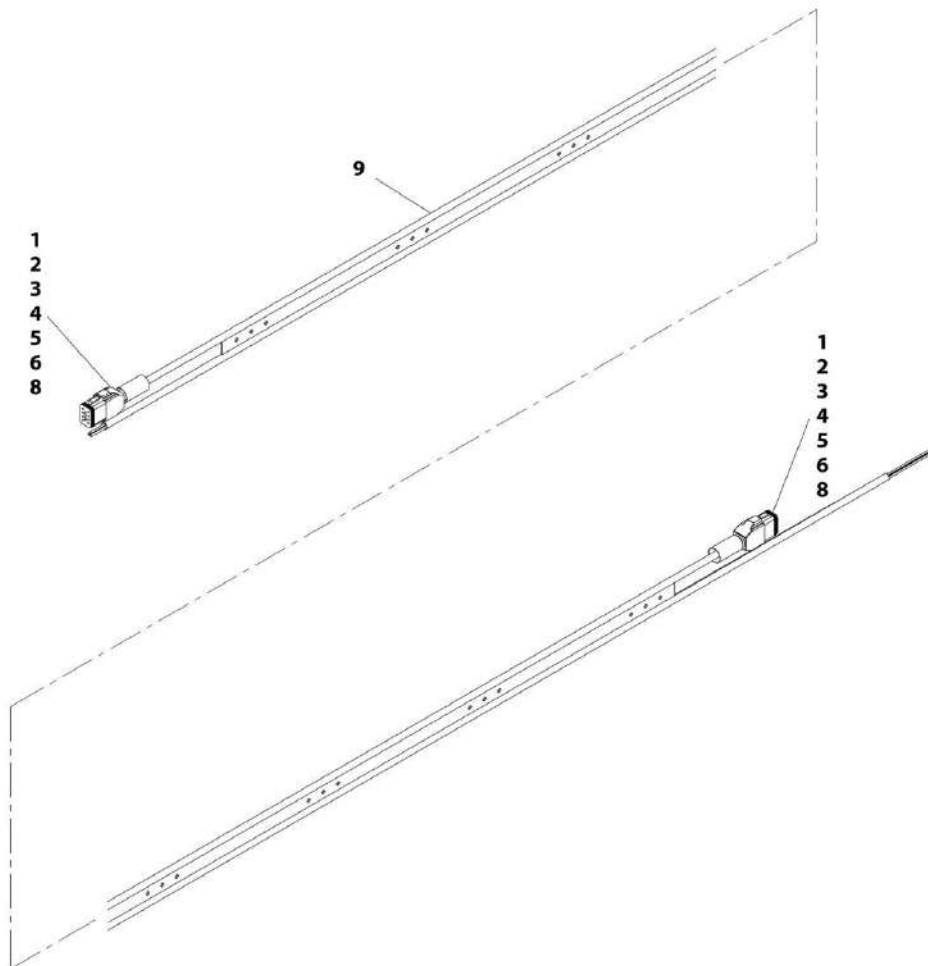
### FIGURE 7-34. GROUND TO PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178685	Ref	GROUND TO PLATFORM HARNESS	D
		Ref	Usage Chart	
		Ref	ANSI, CSA, Japanese and UL Specs (All Machines)	
		Ref	ANSI Export and China Spec <b>(SN 0200239382 through 0200248240, SN B200020296 through B200024249, SN M200000100 through M200000140)</b>	
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	AR	Cable	

# SECTION 7 - ELECTRICAL

## FIGURE 7-35. GROUND TO PLATFORM HARNESS

**USAGE CHART:**  
ANSI EXPORT AND CHINA SPECS  
(SN 0200248241 TO PRESENT,  
SN B200024250 TO PRESENT,  
SN M200000141 TO PRESENT)  
AUSTRALIAN AND CE SPECS (ALL MACHINES)



ART\_1001178683



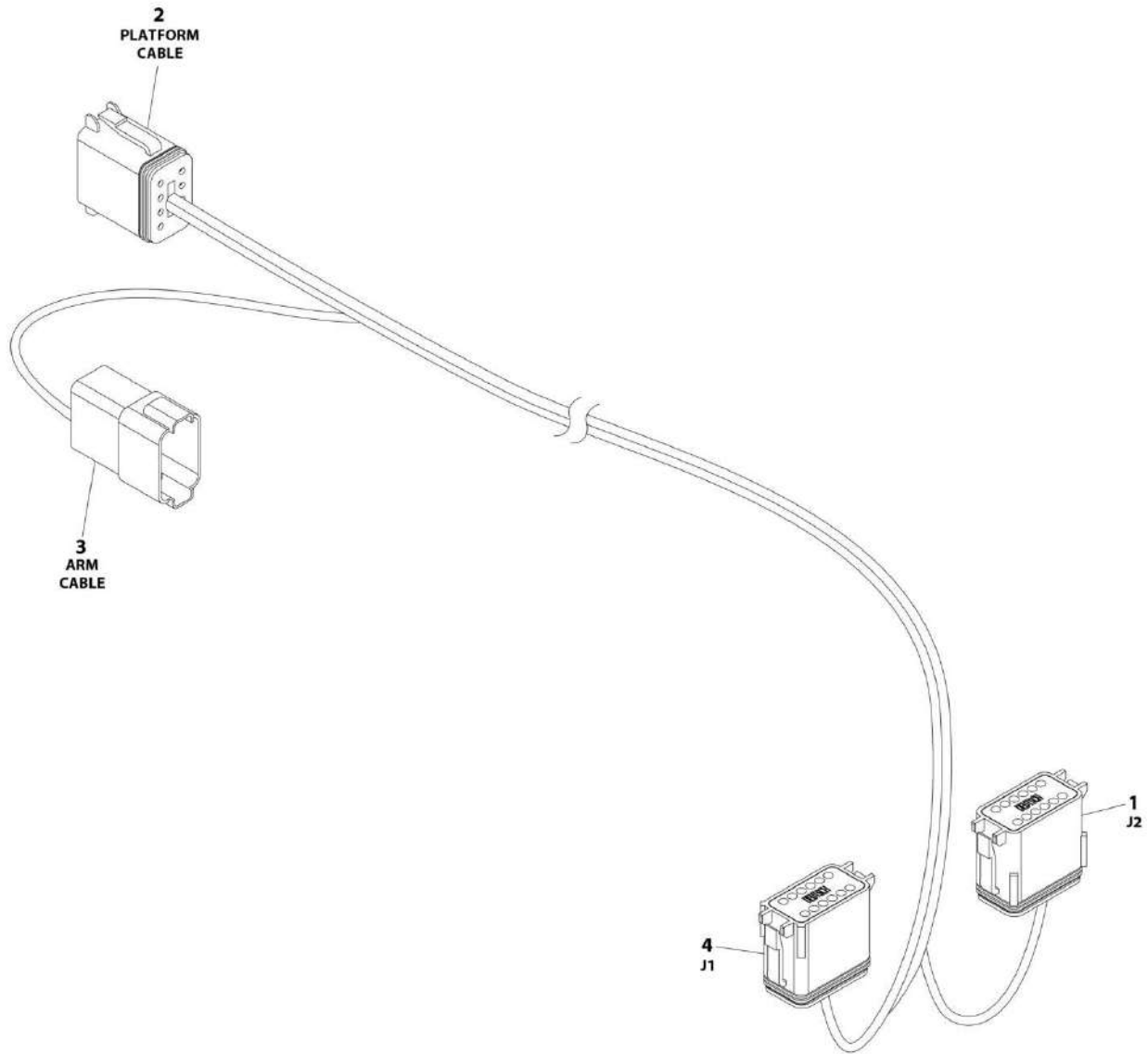
## SECTION 7 - ELECTRICAL

### FIGURE 7-35. GROUND TO PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178683	Ref	GROUND TO PLATFORM HARNESS	C
		Ref	Usage Chart	
		Ref	ANSI Export and China Specs ( <b>SN 0200248241 to Present, SN B200024250 to Present, SN M200000141 to Present</b> )	
		Ref	Australian and CE Spec (All Machines)	
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	AR	Cable	

# SECTION 7 - ELECTRICAL

## FIGURE 7-36. LOAD SENSE HARNESS



ART\_4923228

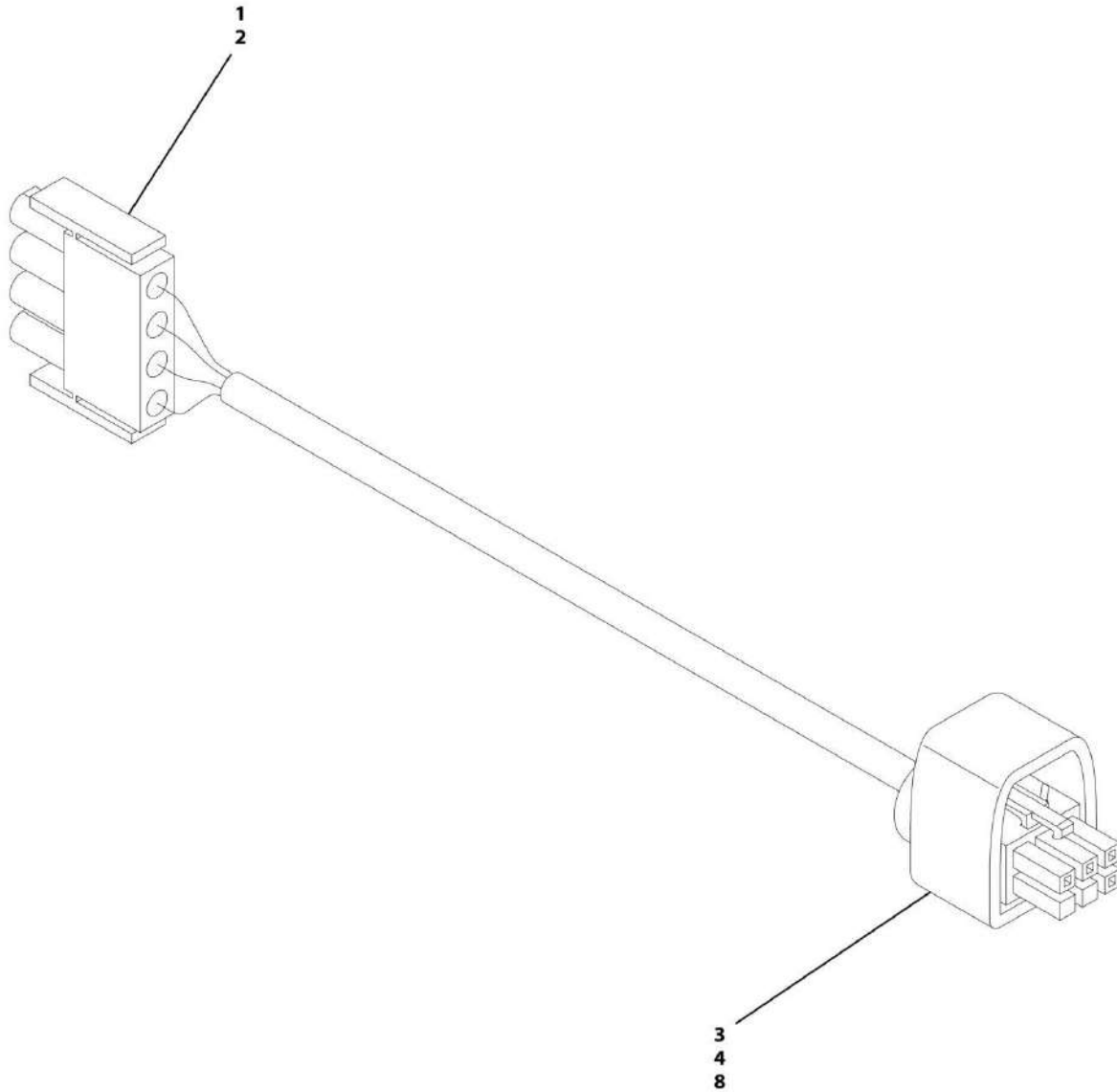
## SECTION 7 - ELECTRICAL

### FIGURE 7-36. LOAD SENSE HARNESS

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 7-37. MDI (MULTIFUNCTION DIGITAL INDICATOR) HARNESS



ART\_1001093556

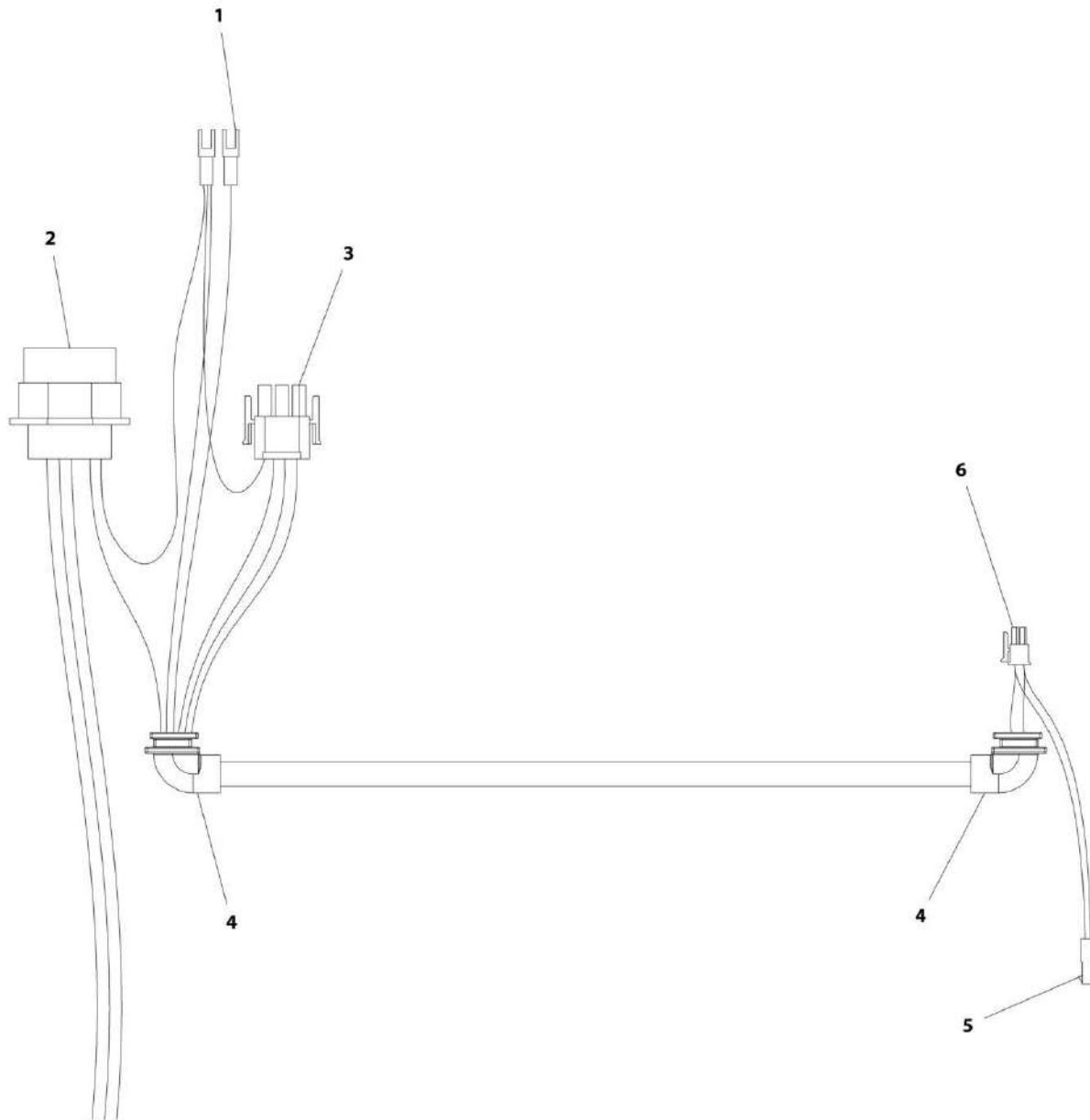
## SECTION 7 - ELECTRICAL

**FIGURE 7-37. MDI (MULTIFUNCTION DIGITAL INDICATOR) HARNESS**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001093556	Ref	MDI (MULTIFUNCTION DIGITAL INDICATOR) HARNESS	C
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	

# SECTION 7 - ELECTRICAL

## FIGURE 7-38. PLATFORM BOX HARNESS



ART\_4922870

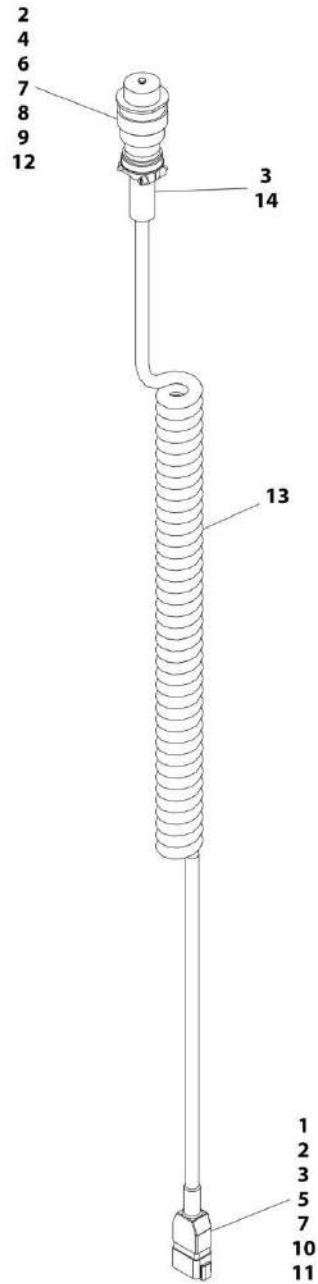
## SECTION 7 - ELECTRICAL

### FIGURE 7-38. PLATFORM BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922870	Ref	PLATFORM BOX HARNESS	D
1	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	

# SECTION 7 - ELECTRICAL

FIGURE 7-39. PLATFORM CABLE ASSEMBLY (SN 0200239382 through 0200262428, SN 1200025021 to Present, SN B200020297 to Present, SN M200000100 through M200010194)



ART\_1001096705



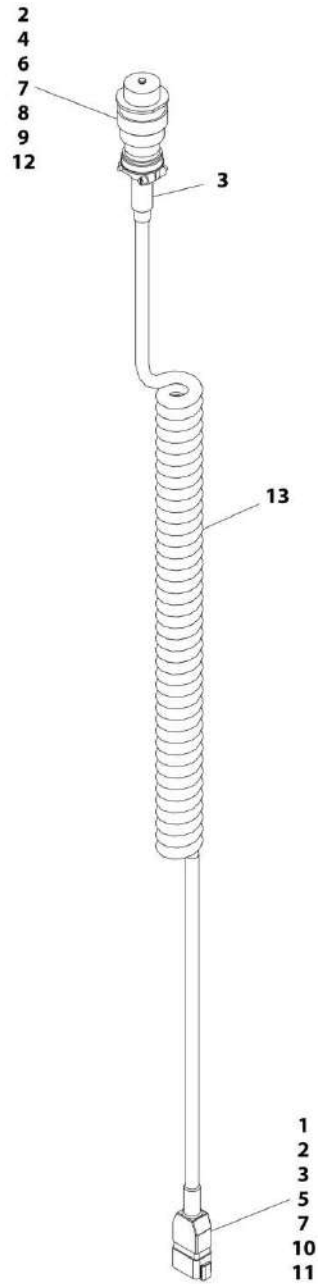
## SECTION 7 - ELECTRICAL

**FIGURE 7-39. PLATFORM CABLE ASSEMBLY (SN 0200239382 through 0200262428, SN 1200025021 to Present, SN B200020297 to Present, SN M200000100 through M200010194)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096705	Ref	PLATFORM CABLE ASSEMBLY (SN 0200239382 through 0200262428, SN 1200025021 to Present, SN B200020297 to Present, SN M200000100 through M200010194)	G
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	1001094167	1	Cable, Platform Coil	
14	1001226400	1	Insulate, Heat Shrink	

# SECTION 7 - ELECTRICAL

FIGURE 7-40. PLATFORM CABLE ASSEMBLY (SN 0200262429 to Present, SN M200010195 to Present)



ART\_1001201242

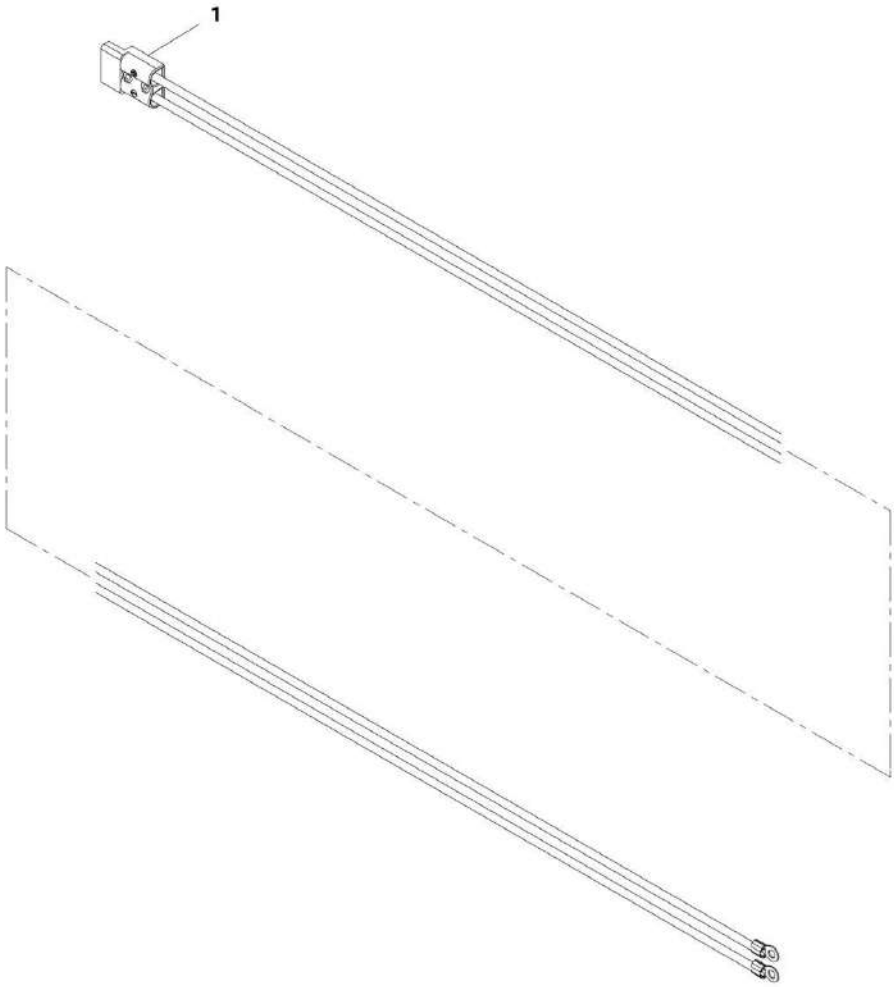
## SECTION 7 - ELECTRICAL

**FIGURE 7-40. PLATFORM CABLE ASSEMBLY (SN 0200262429 to Present, SN M200010195 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201242	Ref	PLATFORM CABLE ASSEMBLY (SN 0200262429 to Present, SN M200010195 to Present)	B
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	1001201239	1	Cable, Platform Coil	

**SECTION 7 - ELECTRICAL**

**FIGURE 7-41. PUMP POWER CABLE ASSEMBLY**



ART\_1001178536

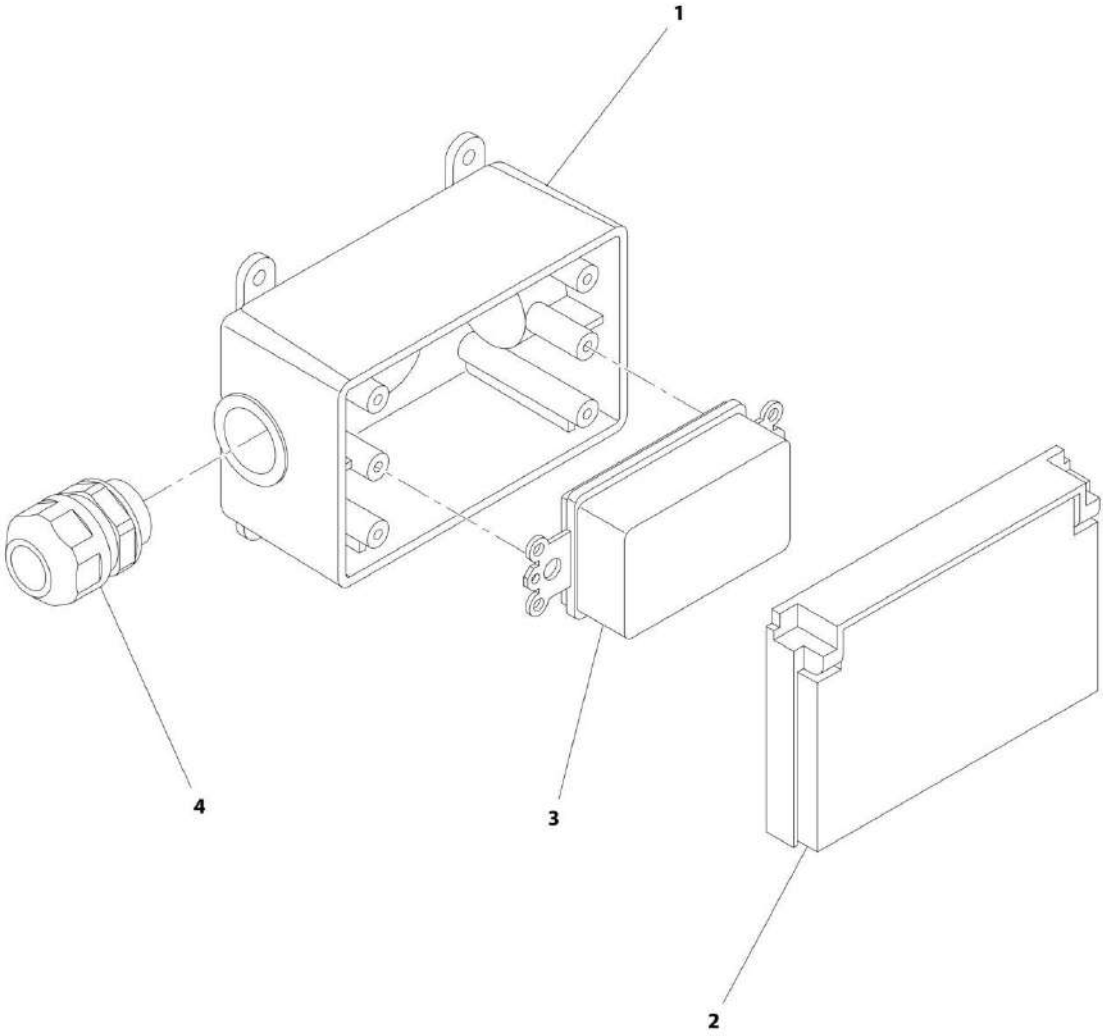
## SECTION 7 - ELECTRICAL

### FIGURE 7-41. PUMP POWER CABLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001178536 4460778	Ref 1	PUMP POWER CABLE ASSEMBLY Connector, Anderson	B

**SECTION 7 - ELECTRICAL**

**FIGURE 7-42. RECEPTACLE BOX KIT – 110V GFI**



ART\_2902431

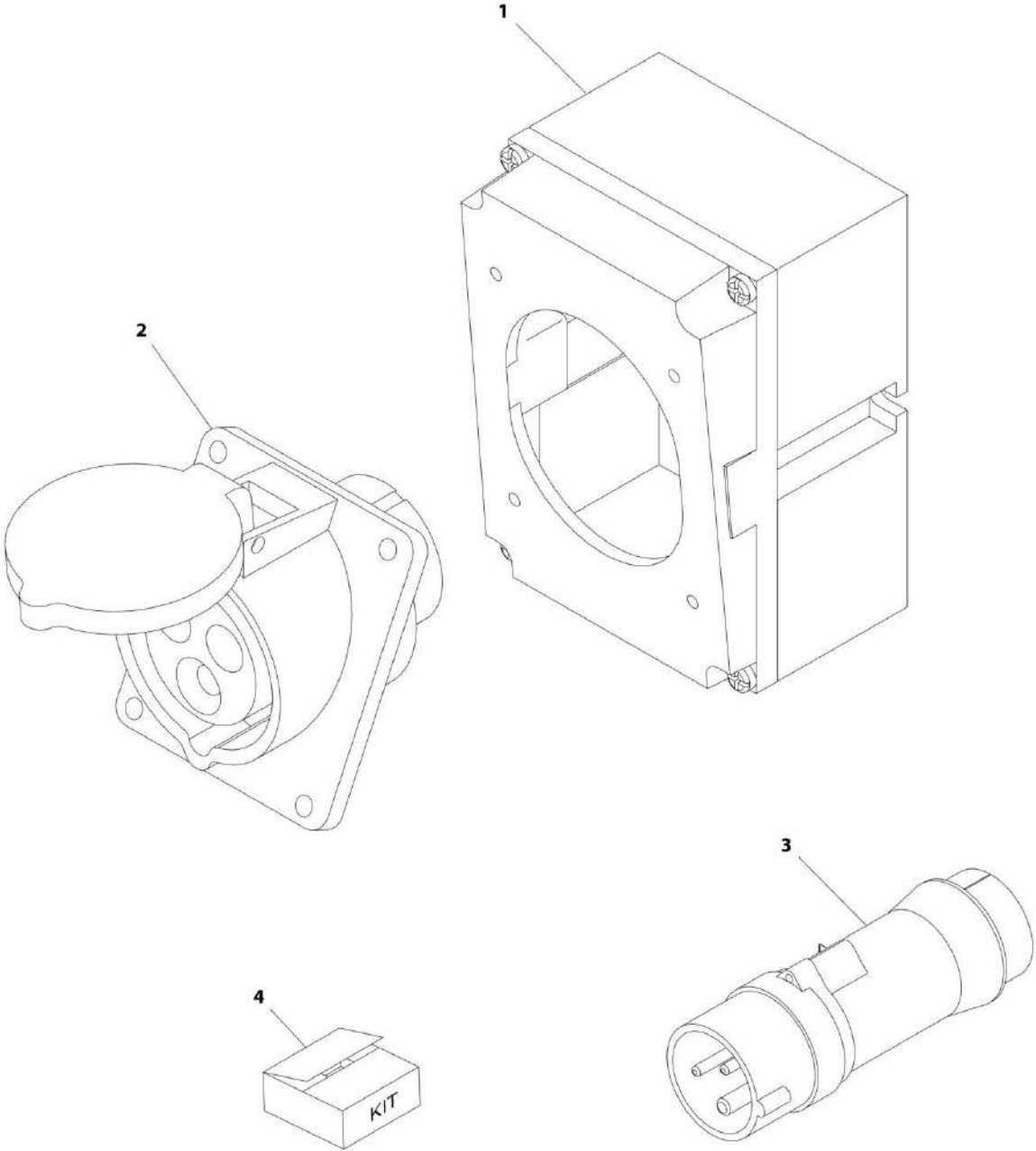
## SECTION 7 - ELECTRICAL

### FIGURE 7-42. RECEPTACLE BOX KIT – 110V GFI

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

**SECTION 7 - ELECTRICAL**

**FIGURE 7-43. RECEPTACLE BOX KIT – 110V IEC YELLOW (CE SPEC)**



ART\_0275216



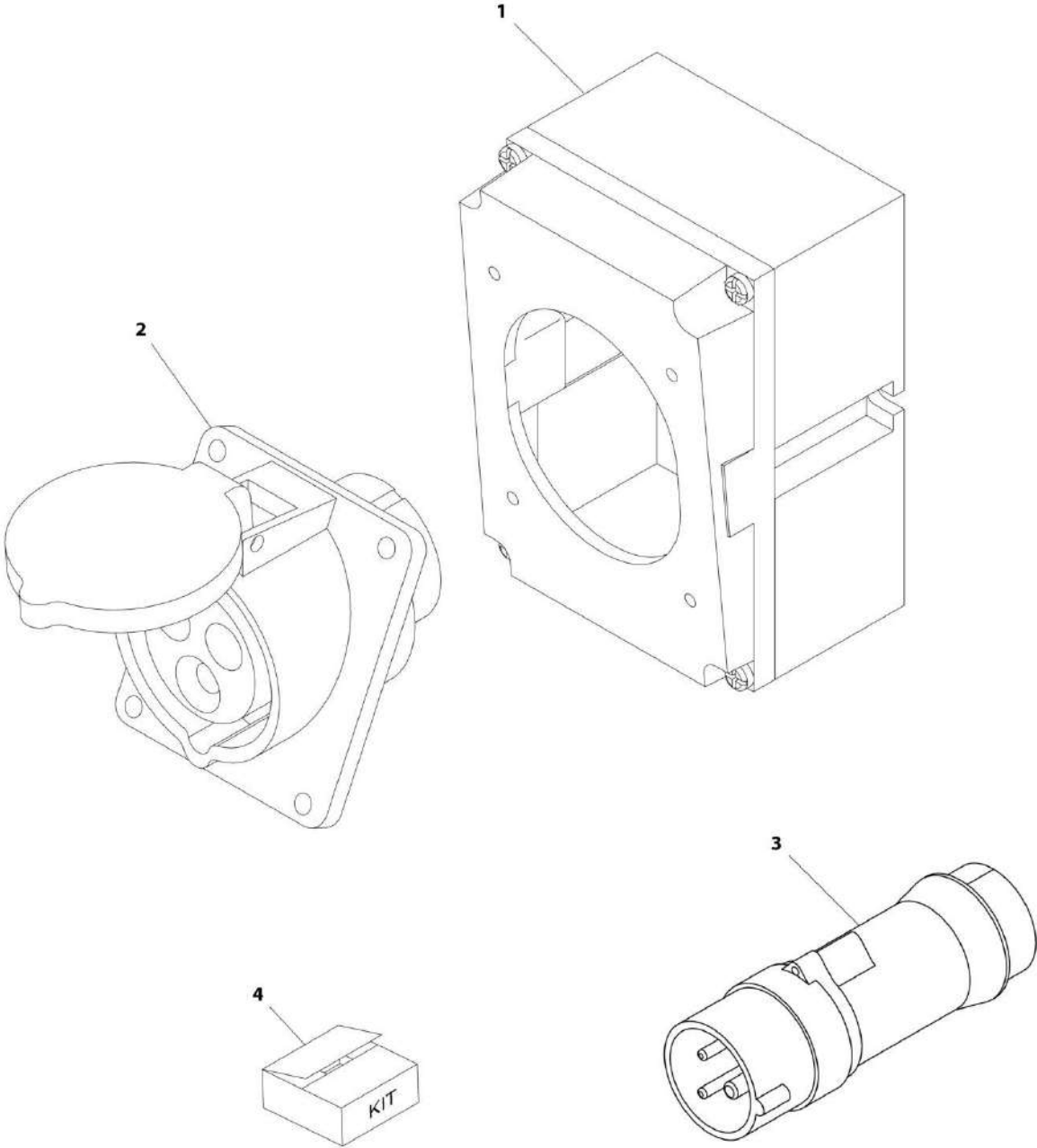
## SECTION 7 - ELECTRICAL

**FIGURE 7-43. RECEPTACLE BOX KIT – 110V IEC YELLOW (CE SPEC)**

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

**SECTION 7 - ELECTRICAL**

**FIGURE 7-44. RECEPTACLE BOX KIT – 220V IEC BLUE (CE SPEC)**



ART\_0275217

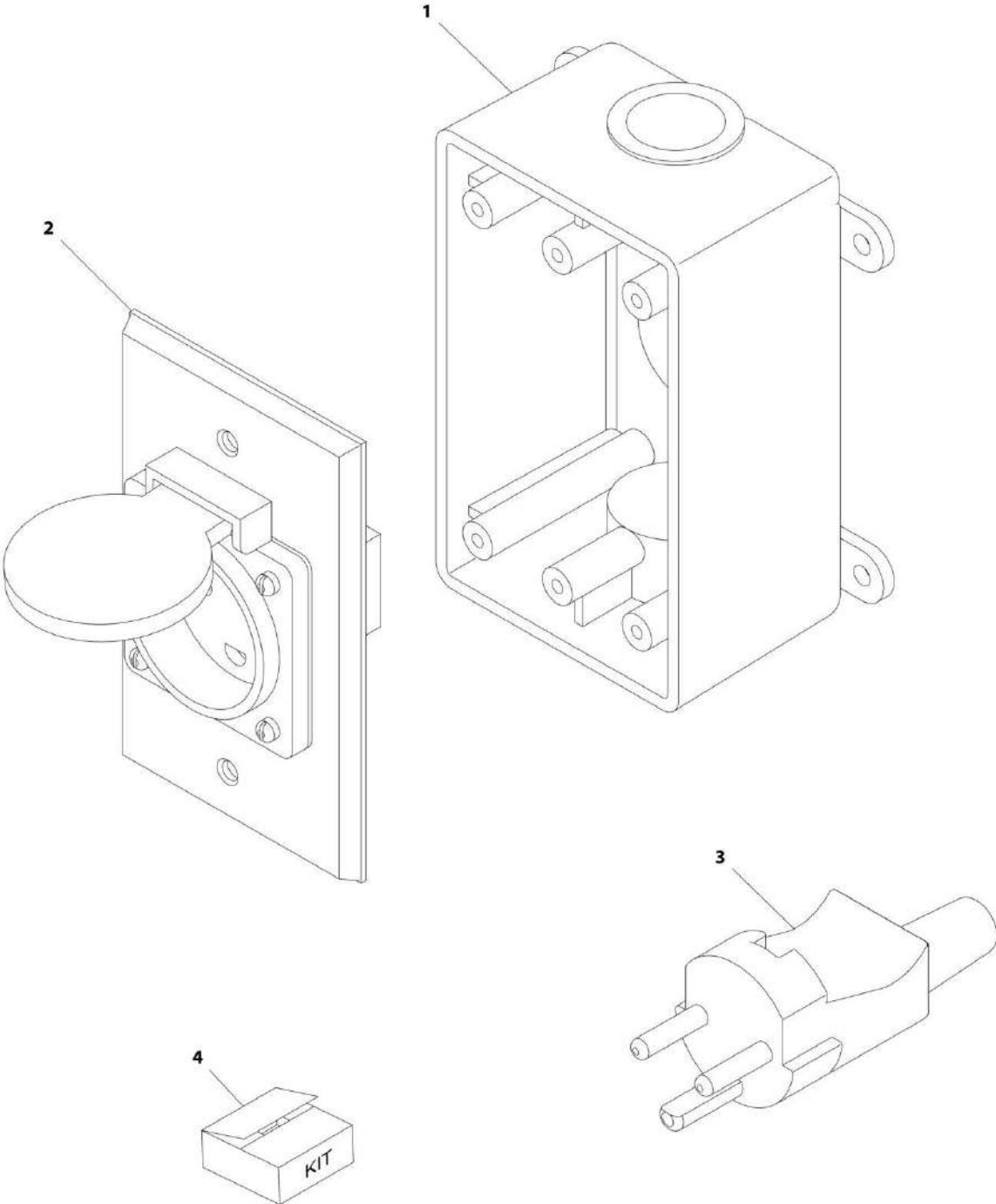
## SECTION 7 - ELECTRICAL

**FIGURE 7-44. RECEPTACLE BOX KIT – 220V IEC BLUE (CE SPEC)**

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

**SECTION 7 - ELECTRICAL**

**FIGURE 7-45. RECEPTACLE BOX KIT – 220V AFSINT 107 (CE SPEC)**



ART\_0275454

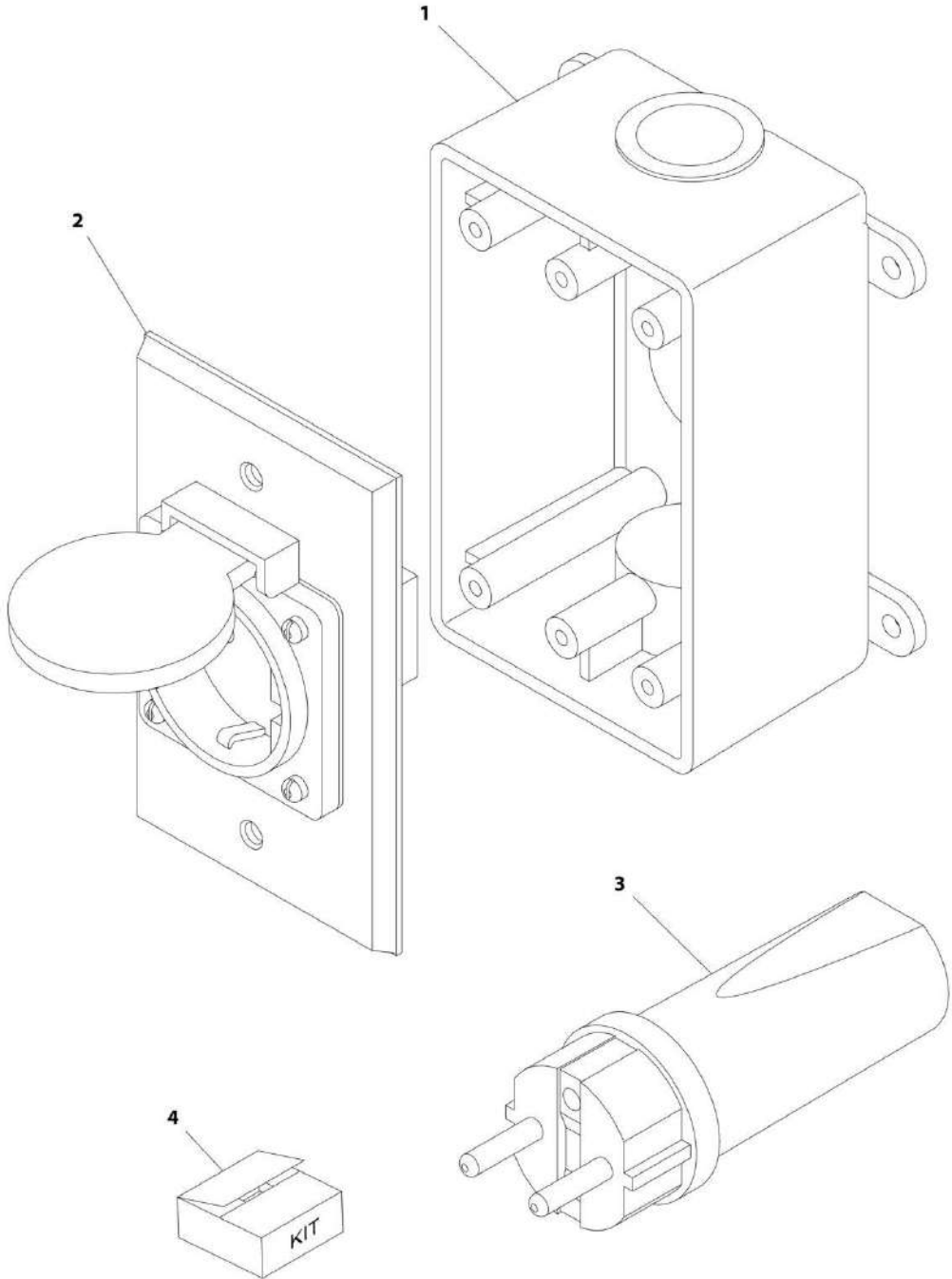
## SECTION 7 - ELECTRICAL

**FIGURE 7-45. RECEPTACLE BOX KIT – 220V AFSINT 107 (CE SPEC)**

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

**SECTION 7 - ELECTRICAL**

**FIGURE 7-46. RECEPTACLE BOX KIT – 220V CEE7 SIDE GROUND (CE SPEC)**



ART\_0275453

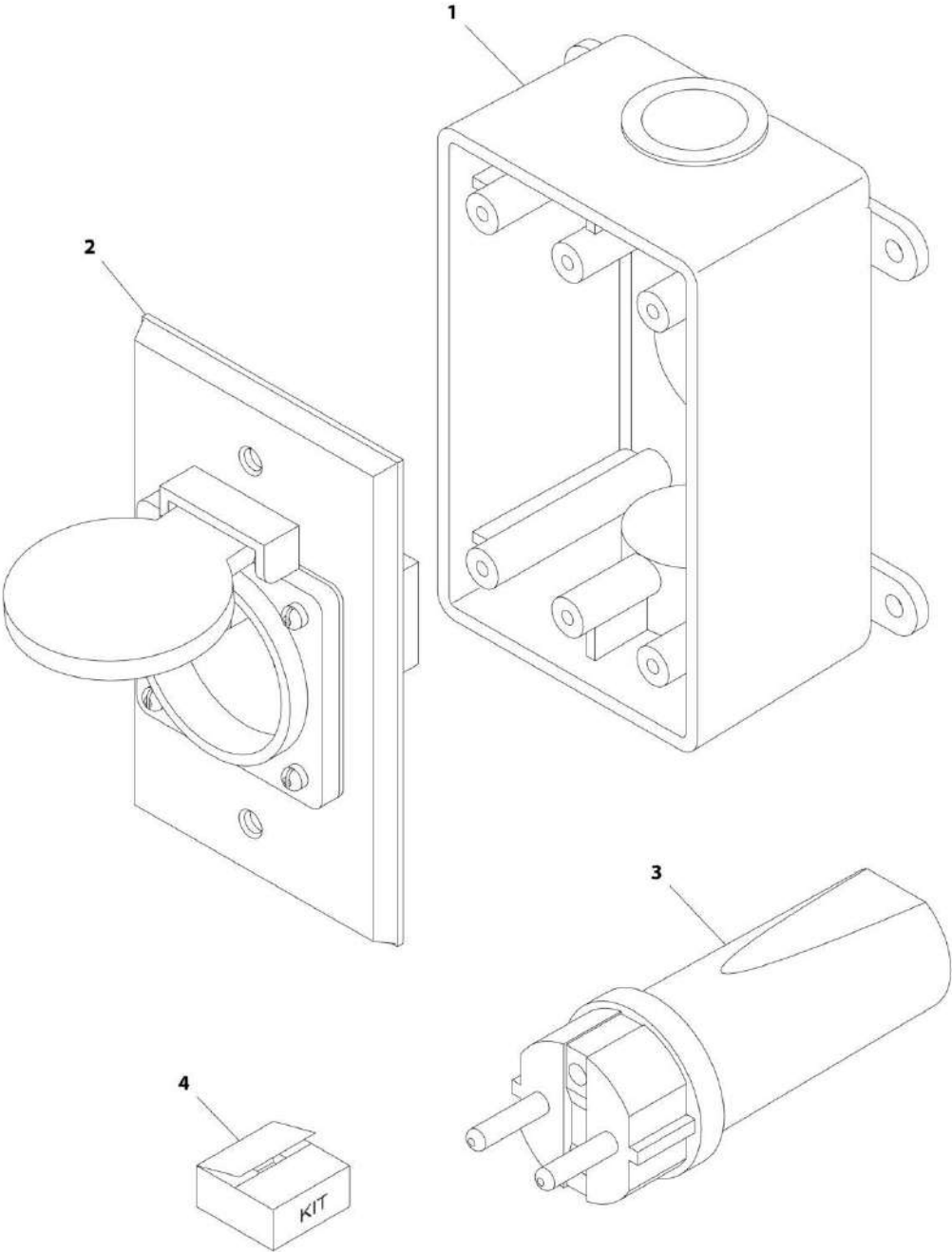
## SECTION 7 - ELECTRICAL

**FIGURE 7-46. RECEPTACLE BOX KIT – 220V CEE7 SIDE GROUND (CE SPEC)**

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

**SECTION 7 - ELECTRICAL**

**FIGURE 7-47. RECEPTACLE BOX KIT – 220V CEE7 POST GROUND (CE SPEC)**



ART\_0275452



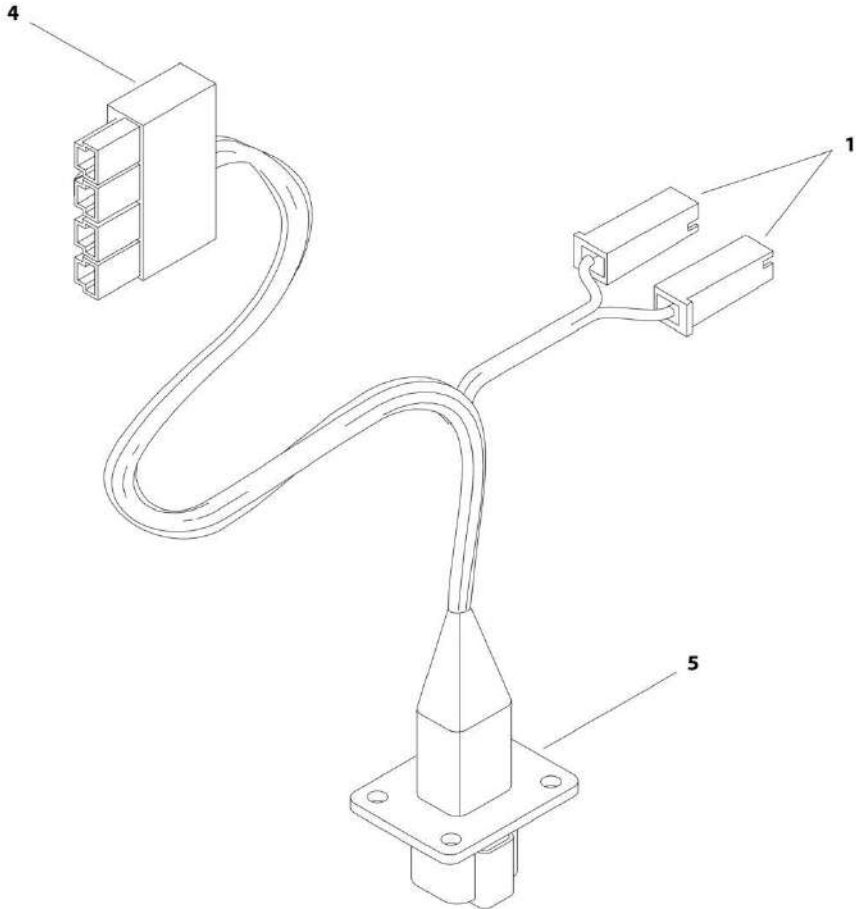
## SECTION 7 - ELECTRICAL

**FIGURE 7-47. RECEPTACLE BOX KIT – 220V CEE7 POST GROUND (CE SPEC)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275452	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND (CE SPEC)	C
1	0861731	1	Box, Switch	
2	4461244	1	Receptacle	
3	4461202	1	Plug, Male (Use p/n 4461205) <b>(SN 0200239382 through 0200256617, SN B200020297 through B200037242, SN M200000100 through M200002249)</b>	
3	4461205	1	Plug, Male <b>(SN 0200256618 to Present, SN B200037243 to Present, SN M200002250 to Present)</b>	
4	1001100345	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461206)	

**SECTION 7 - ELECTRICAL**

**FIGURE 7-48. WORKSTATION POWER HARNESS**



ART\_4923121

## SECTION 7 - ELECTRICAL

### FIGURE 7-48. WORKSTATION POWER HARNESS

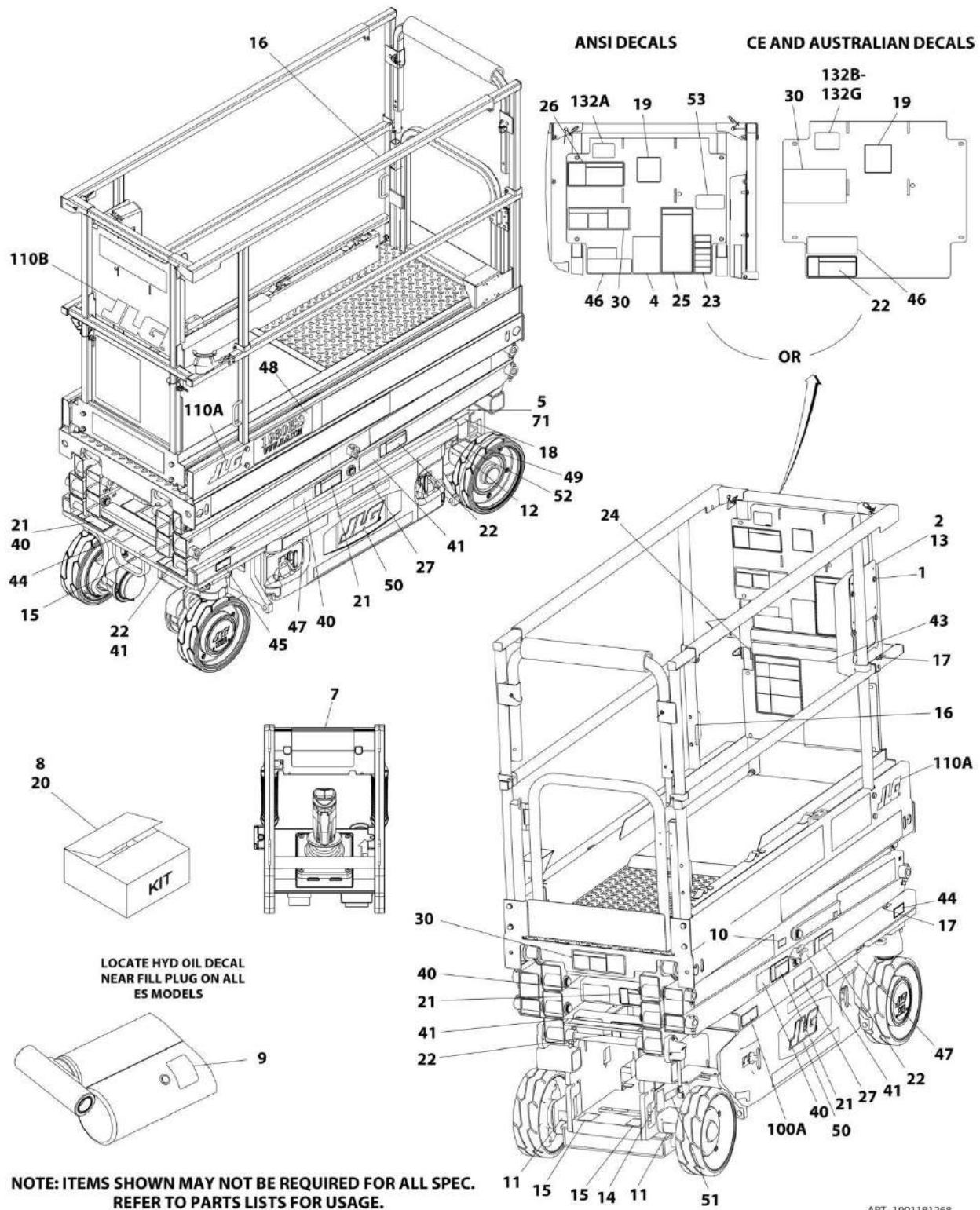
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4923121	Ref	WORKSTATION POWER HARNESS	B
1	4460260	2	Housing, Terminal	
1	4460297	2	Terminal	
4	4460878	1	Connector - 4 Position	
4	4460887	4	Terminal	
5	4460885	1	Connector - 4 Position	
5	4460464	4	Pin, Male	



**SECTION 8 - DECALS**

# SECTION 8 - DECALS

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



ART\_1001181268

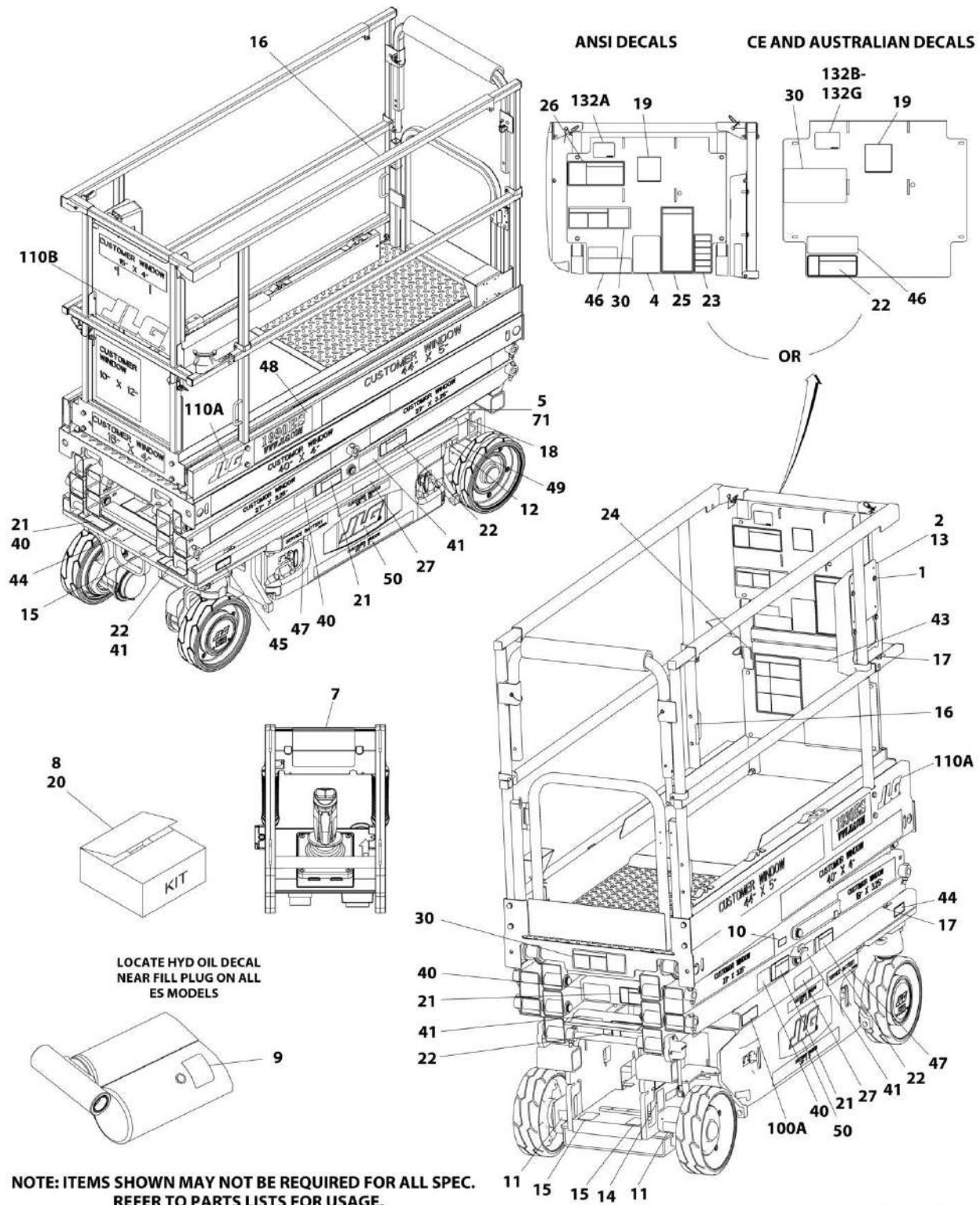
## SECTION 8 - DECALS

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181268	Ref	DECAL INSTALLATION - ANSI SPEC (ENGLISH)	G
		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 (SN 0200257823 to Present, SN B200037273 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262153 to Present, SN B200038196 to Present, SN M200007969 to Present)	
51	1001223055	1	Decal - Yearly Inspection (SN B200045817 to Present, SN M2000151192 to Present)	
52	1001228370	1	Decal - CSA Ices (SN B200045817 to Present, SN M2000151192 to Present)	
53	1001231801	1	Decal - Prop 65 (SN B200051677 to Present, SN M200025388 to Present)	

# SECTION 8 - DECALS

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





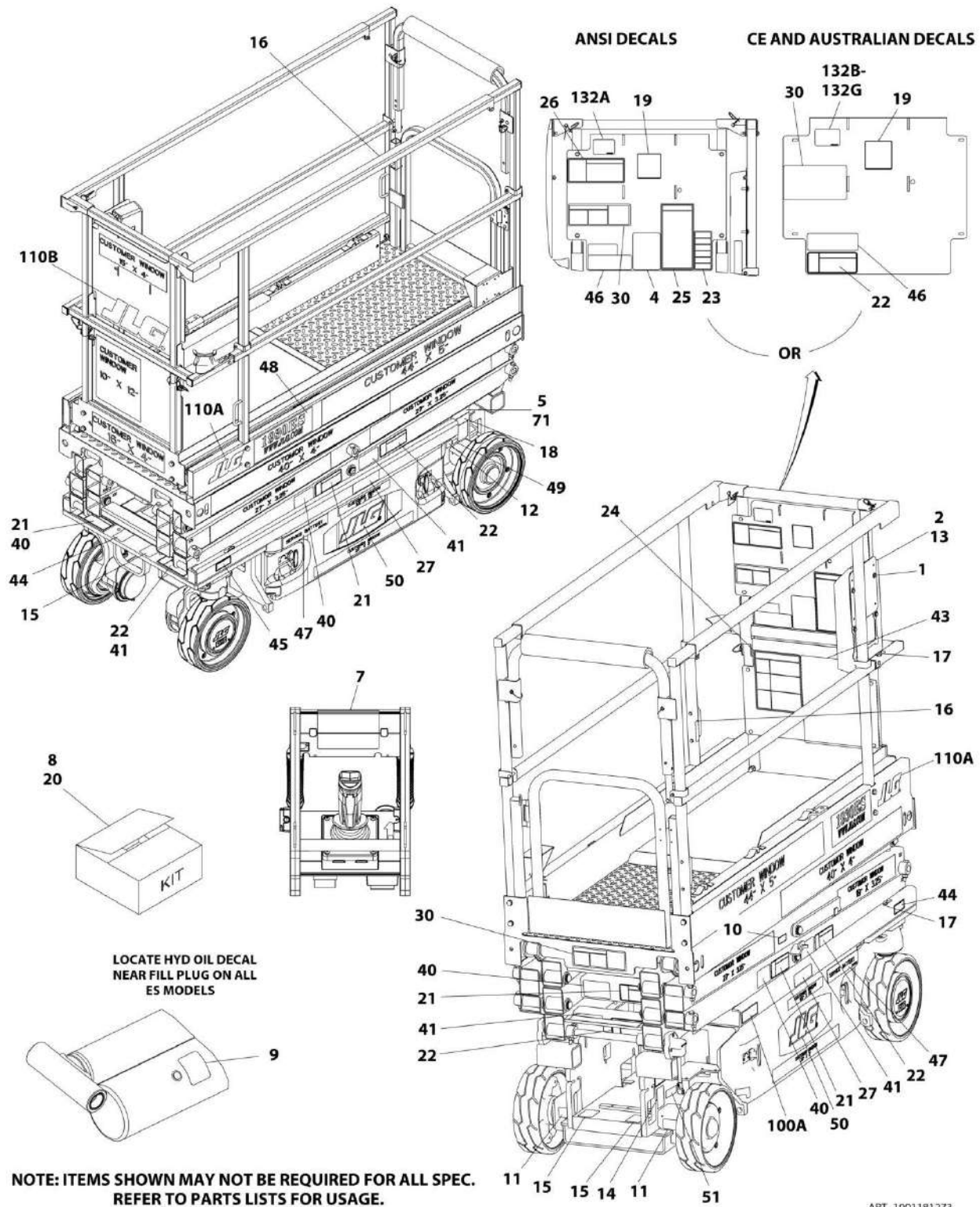
## SECTION 8 - DECALS

**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	8	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 - Fork Lift	
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 <b>(SN 0200257823 to Present, SN B200037273 to Present, SN M200002935 to Present)</b>	
50	1705754	2	Decal - JLG <b>(SN 0200262153 to Present, SN B200038196 to Present, SN M200007969 to Present)</b>	

# SECTION 8 - DECALS

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



ART\_1001181273

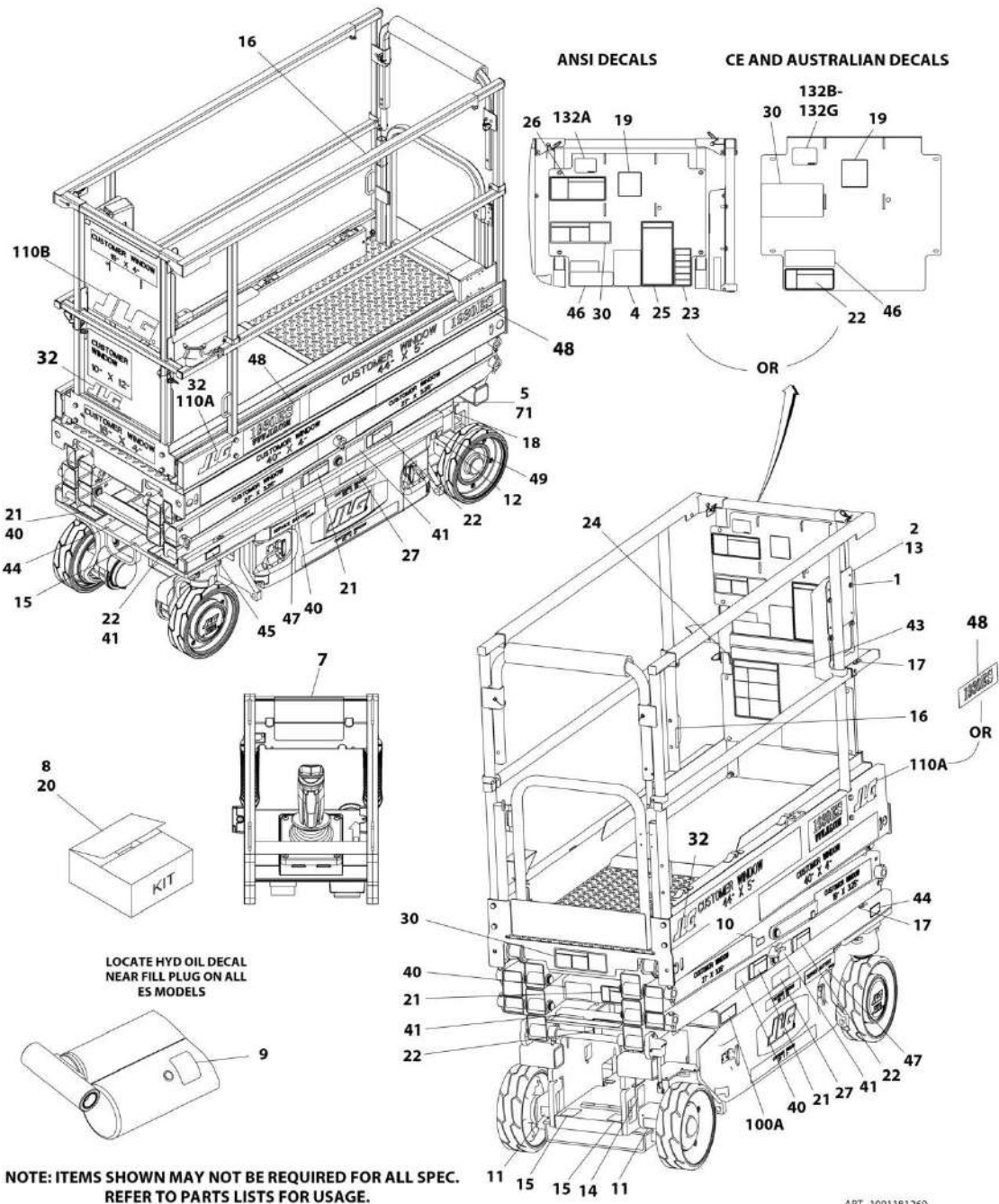
## SECTION 8 - DECALS

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181273	Ref	DECAL INSTALLATION - BRAZIL SPEC (PORTUGUESE/SPANISH)	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	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 - Electrocutation	
27	1704341	2	Decal - Warning Battery Ventilation	
40	1705725	4	Decal - Crushing Hazard	
41	1705724	4	Decal - Electrocutation	
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 (SN 0200257823 to Present, SN B200037273 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262153 to Present, SN B200038196 to Present, SN M200007969 to Present)	
51	1001224052	1	Decal - Yearly Inspection (SN B200045817 to Present, SN M2000151192 to Present)	

# SECTION 8 - DECALS

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



ART\_1001181269

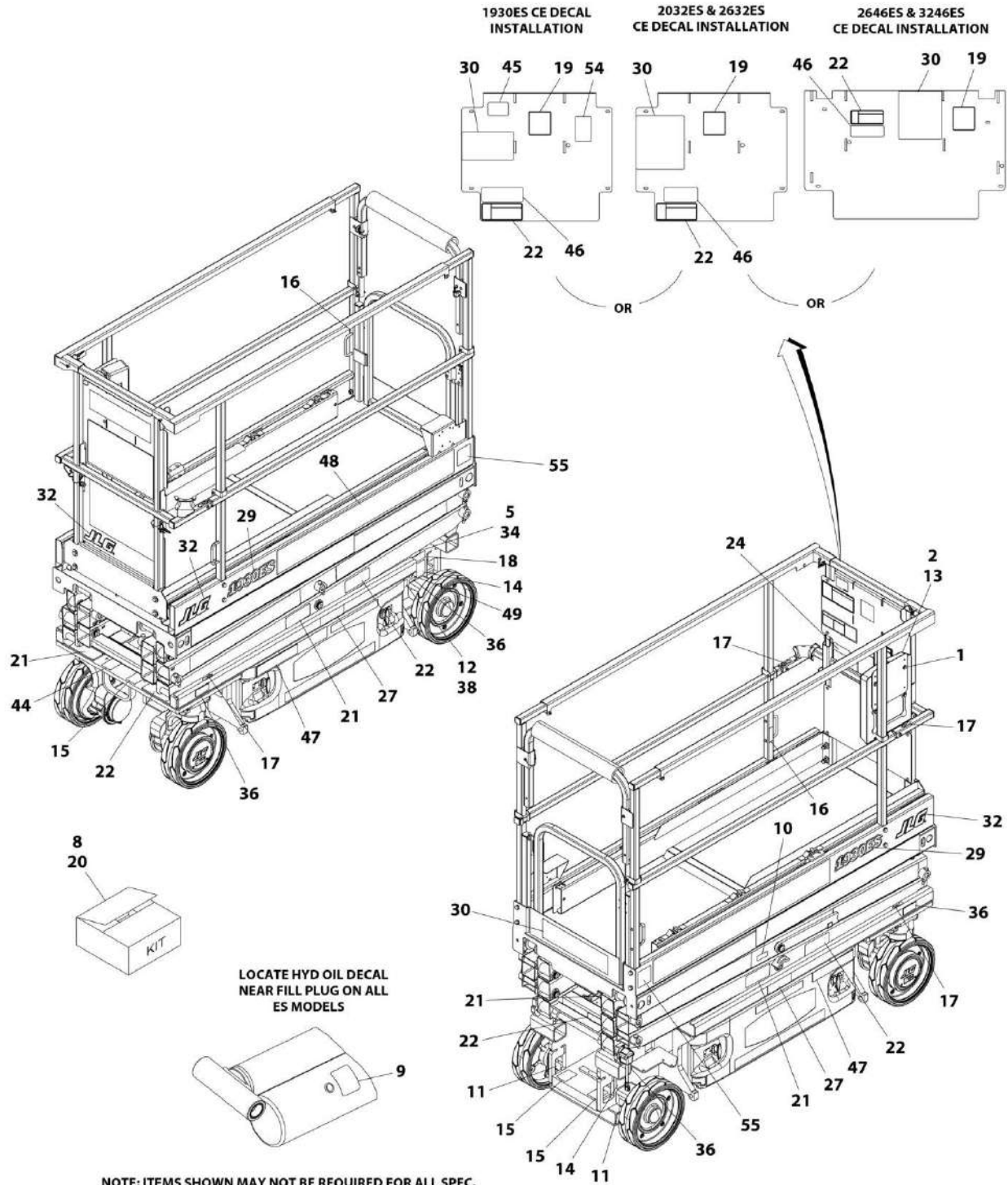
## SECTION 8 - DECALS

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181267	Ref	DECAL INSTALLATION – REFERENCE (SN 0200239382 through 0200262152, SN B200020297 through B200038195, SN M200000100 through M200007968)	H
	1001217327	Ref	DECAL INSTALLATION - REFERENCE (SN 0200262153 to Present, SN 1200025121 to Present, SN B200038196 to Present, SN M200007969 to Present)	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 - Electrocutation	
27	1705670	2	Decal - Warning Battery Ventilation/Fire Hazard	
32	1705781	3	Decal - JLG (SN 0200262153 to Present, SN 1200025121 to Present, SN B200038196 to Present, SN M200007969 to Present)	
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 (SN 0200257823 to Present, SN 1200025121 to Present, SN B200037273 to Present, SN M200002935 to Present)	

# SECTION 8 - DECALS

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



ART\_1001232541

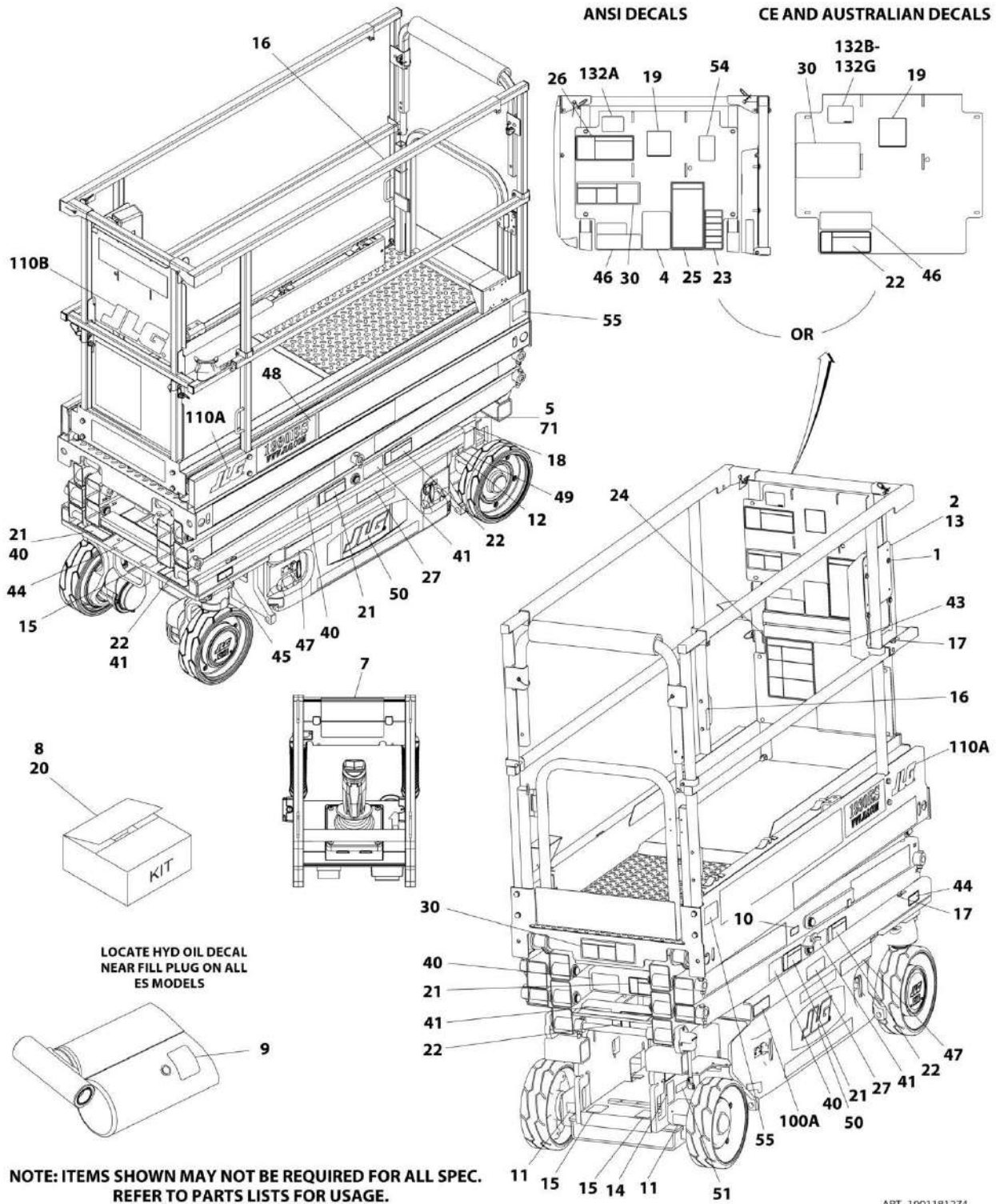
## SECTION 8 - DECALS

**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 <b>(SN B200051677 to Present, SN M200025388 to Present)</b>	
55	1001244298	2	Decal - Wechat <b>(SN B200051677 to Present, SN M200025388 to Present)</b>	

# SECTION 8 - DECALS

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



ART\_1001181274



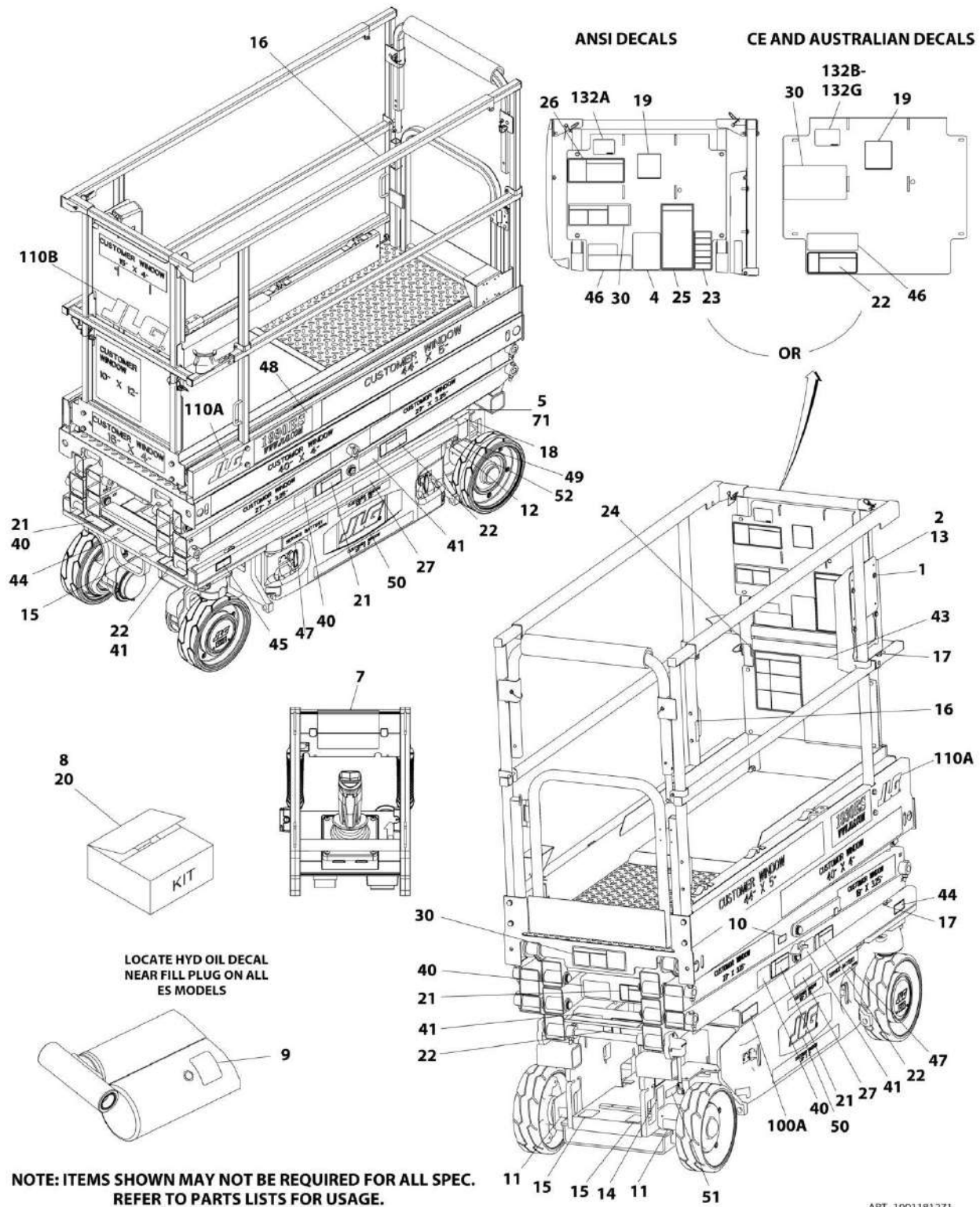
## SECTION 8 - DECALS

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181274	Ref	DECAL INSTALLATION - CHINESE SPEC (CHINESE/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	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 (SN 0200257823 to Present, SN B200037273 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262153 to Present, SN B200038196 to Present, SN M200007969 to Present)	
51	1001224050	1	Decal - Yearly Inspection (SN B200045817 to Present, SN M2000151192 to Present)	
54	1001244301	1	Decal - No Over the Rail to Ground (SN B200051677 to Present, SN M200025388 to Present)	
55	1001244298	2	Decal - Wechat (SN B200051677 to Present, SN M200025388 to Present)	

# SECTION 8 - DECALS

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



ART\_1001181271

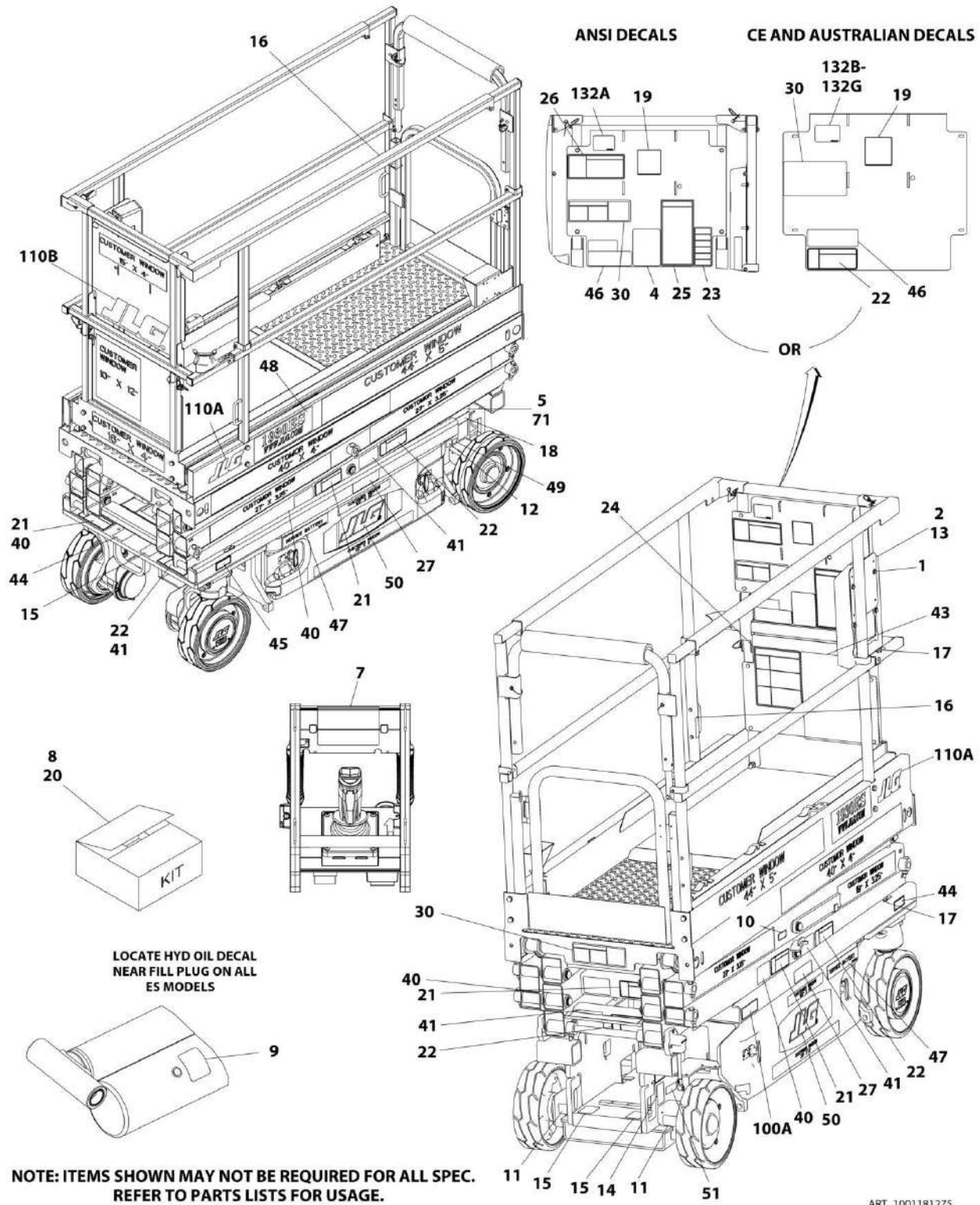
## SECTION 8 - DECALS

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181271	Ref	DECAL INSTALLATION - CSA SPEC (ENGLISH/FRENCH)	H
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
4	1001191270	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 (SN 0200257823 to Present, SN B200037273 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262153 to Present, SN B200038196 to Present, SN M200007969 to Present)	
51	1001223971	1	Decal - Yearly Inspection (SN B200045817 to Present, SN M2000151192 to Present)	
52	1001228370	1	Decal - CSA Ices (SN B200045817 to Present, SN M2000151192 to Present)	

# SECTION 8 - DECALS

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



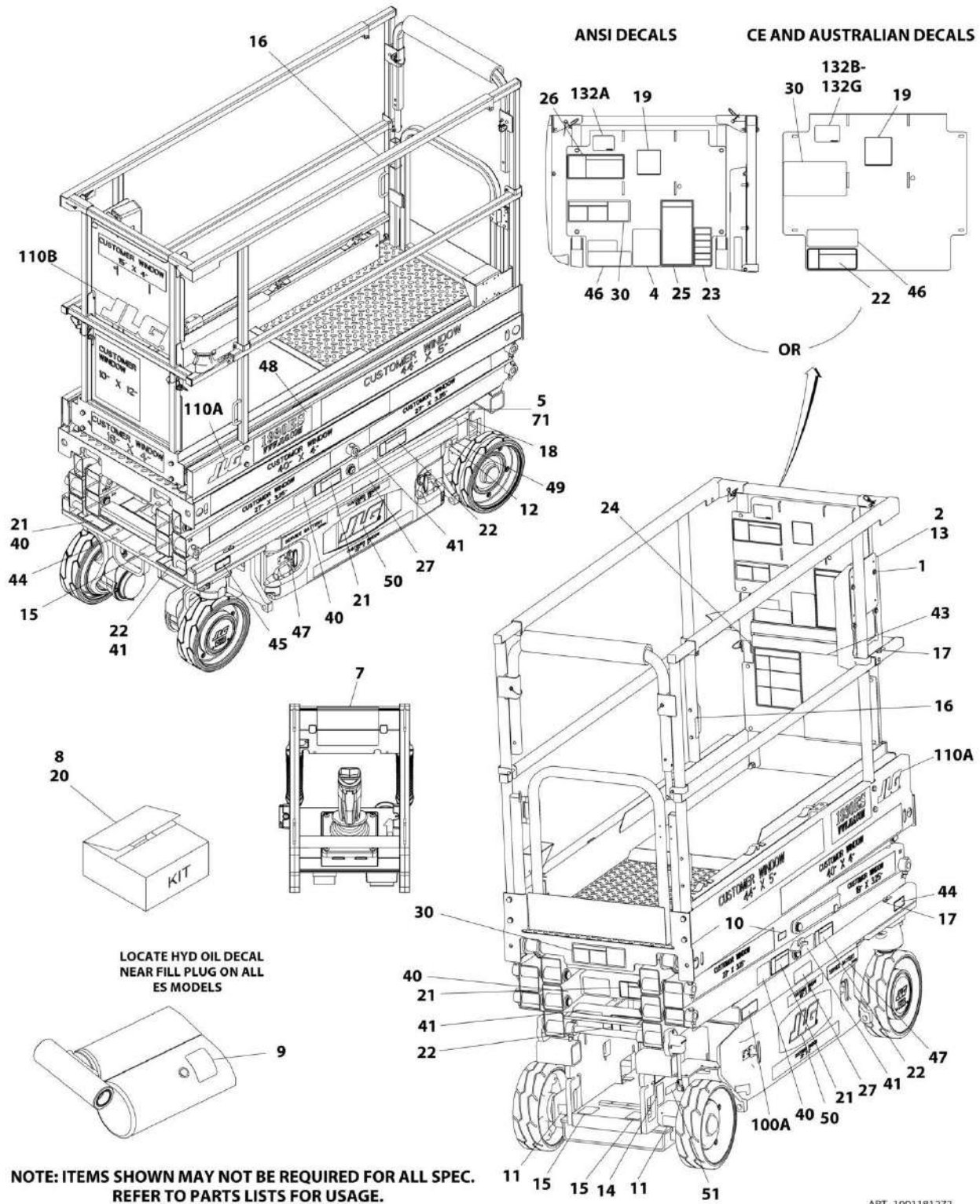
## SECTION 8 - DECALS

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181275	Ref	DECAL INSTALLATION - KOREAN SPEC (KOREAN/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 Decal) (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 (SN 0200257823 to Present, SN B20037273 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262153 to Present, SN B200038196 to Present, SN M200007969 to Present)	
51	1001224048	1	Decal - Yearly Inspection (SN B200045817 to Present, SN M2000151192 to Present)	

# SECTION 8 - DECALS

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



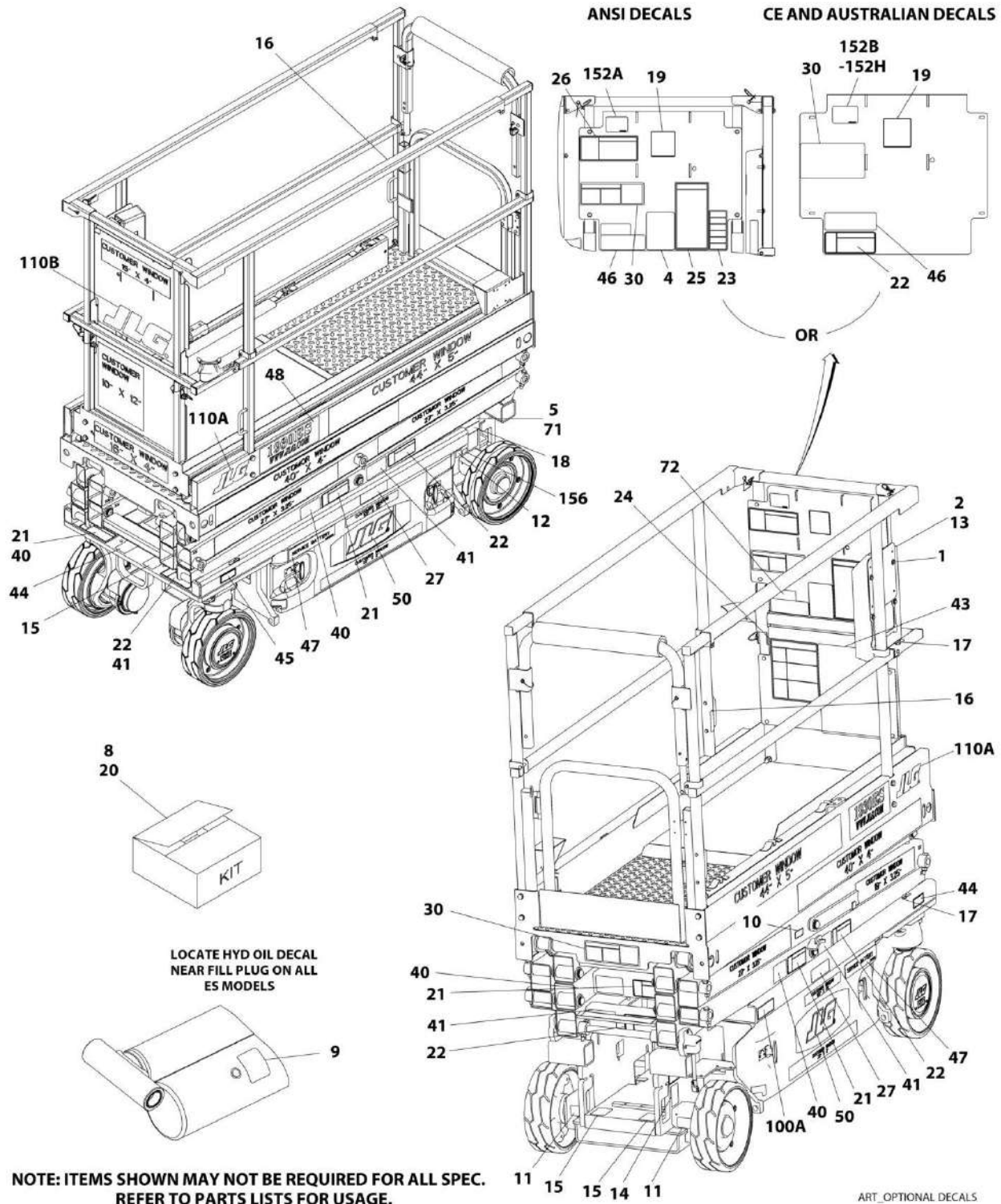
## SECTION 8 - DECALS

**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)	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	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 (SN 0200257823 to Present, SN B200037273 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262153 to Present, SN B200038196 to Present, SN M200007969 to Present)	
51	1001224049	1	Decal - Yearly Inspection (SN B200045817 to Present, SN M2000151192 to Present)	

# SECTION 8 - DECALS

## FIGURE 8-10. DECAL INSTALLATION - OPTIONS





## SECTION 8 - DECALS

**FIGURE 8-10. DECAL INSTALLATION - OPTIONS**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DECAL INSTALLATION - OPTIONS	
25	0272721	Ref	Corner Safety Stripes Installation	C
25	4420051	51 in/1.3m	Tape, Safety (Not Shown - Located on Platform Extension)	
30	1705638	3	Decal - 500LB Capacity (All Specs except Australian, CE and China Specs)	
30	1705666	1	Decal - 360KG (Australian/CE Specs)	
45	1705647	4	Decal - Maximum Tire Load (All Specs except Australian, CE and China Specs)	
45	1705648	4	Decal - Maximum Tire Load (Australian, CE and China Specs)	
48	1001099919	2	Decal - Model Designation	
71	See Note	1	Decal - Serial Number (Note: Not Available for Purchase)	
72	1705303	1	Decal - CSA (CSA Spec Only)	
74	3251813	1	Decal - USA (Not Shown) <b>(SN 0200239382 through 0200243057)</b>	
100A	1705699	1	Decal - 500LB Capacity MTB (All Specs except Australian/CE Specs)	
110	0272870	Ref	JLG Logo Installation	2
110	1001228965	Ref	JLG Logo Installation (China Specs)	A
110A	1705781	2	Decal - JLG (2.75 inch)	
110B	1702773	1	Decal - JLG (5 inch)	
110B	1705754	1	Decal - JLG (3.5 inch) (China Specs)	
		Ref	Decal - No Pipe Racks Allowed Options:	A
152A	1001092071	1	Decal - No Pipe Racks Allowed - English (ANSI/ANSI Export/UL/China Specs)	
152B	1001092497	1	Decal - No Pipe Racks Allowed (CE/Australian/Japanese Specs)	
152C	1001092580	1	Decal - No Pipe Racks Allowed (CSA Specs)	
152D	1001120621	1	Decal - No Pipe Racks Allowed - English/Korean (ANSI Export, China and Korea Specs)	
152E	1001120622	1	Decal - No Pipe Racks Allowed - English/Chinese (ANSI Export/China/CE Specs)	
152F	1001120623	1	Decal - No Pipe Racks Allowed - Portuguese/Spanish (ANSI Export/China Specs)	
152G	1001120629	1	Decal - No Pipe Racks Allowed - English/Spanish (ANSI Export/China Specs)	
152H	1001231066	1	Decal - No Panel Carrier Allowed (Australian and CE 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**

# 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 - 10 Amp	
	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	
	70003706	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)	
	4360470	1	Switch, Key (CE Specs)	
	1001163095	1	Sensor, Tilt (USA Built Machines)	
	1001169392	1	Sensor, Tilt (China Built Machines)	
	2940064	1	Latch, Snap (Machines with Chain Gate)	
	1600439	1	PC Board, Console Box	
	4360613	1	Switch, Limit (Brake Disconnect)	
	1001109475	1	Breaker, Circuit - 16 Amp (CE Spec Only)	
	1001109482	1	Breaker, Circuit - 30mA (CE Spec Only)	
	1001152479	1	Breaker, Circuit - Double 16 Amp (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)	
	0274516	Ref	Airline Installation	
	1001183458	Ref	Alarm Installation - Ambient Adjusting (Available on All Specs except UL Spec)	
	0272913	Ref	Alarm Installation - Motion (See Ground Control Box /Alarm Installation for Components)	
	1001185053	Ref	Alarm Installation - White Noise (Available on All Specs except UL Spec)	
	1001183458	Ref	Ambient Adjusting Motion Alarm Kit	
	0272878	Ref	Antivandalism Package (ANSI Export, CE, Australian, UL, China and Korea Specs Only)	
	1001213525	Ref	Antivandalism Package (ANSI Export, China and Korea Specs)	
	1001188716	Ref	Arm Guards Installation (China Built Machines)	
	1001190009	Ref	Beacon Light Installation with 2 Lights	
	1001229107	Ref	ClearSky Telematics (Factory Installed) (ANSI and CSA Specs)	
	1001233237	Ref	ClearSky Telematics (Factory Installed) (ANSI Export, CE and 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, Chinese and Korea Specs)	
	1001230981	Ref	Decal - Quick Start Reference (Dutch Spec)	
	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)	
	1001126013	Ref	Decals - UL (China Built Machines) (UL Specs)	
	1001200363	Ref	Decals - UL (Mexico Built Machines) (UL Specs)	
	0274126	Ref	Decals - UL (USA Built Machines) (UL Specs)	
		Ref	Decal Kits	
	1001149795	Ref	Decal Kit - Complete 1930ES	
	2902522	1	Decal Kit - Country Spec (ANSI)	
	2902523	Ref	Decal Kit - Country Spec (Australian/CE)	
	2902526	Ref	Decal Kit - Country Spec (Brazil)	
	2902528	1	Decal Kit - Country Spec (Chinese)	
	2902524	Ref	Decal Kit - Country Spec (CSA)	
	2902532	1	Decal Kit - Country Spec (Korean)	
	2902525	Ref	Decal Kit - Country Spec (Latin American)	
	2902267	1	Decal Kit - Master	

## SECTION 10 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091968	Ref	Decal Kit - Platform Box	
	1001091393	Ref	Decal and Housing Kit - Platform Box	
	1001091965	Ref	Decal, Housing and PC Board Kit - Platform Box	
	1001233512	Ref	Drive Motor Covers	
	2915042	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	
	1001099628	Ref	ES Drive Cable Upgrade	
	1001109345	Ref	ES Pothole Protection Switch Kit	
	1001109218	Ref	ES Pothole Protection Switch and Harness Kit	
	0274849	Ref	Fire Extinguisher Installation (ANSI Spec Only) <b>(SN 0200239382 through 0200245234)</b>	
	1001189484	Ref	Fire Extinguisher Installation (ANSI Spec Only) <b>(SN 0200245235 to Present)</b>	
	0273761	Ref	Footswitch Installation with LSS (ANSI Export, Japanese and Korea Specs)	
	1001185661	Ref	Footswitch Installation without LSS (Factory Installed) (Japanese Spec Only)	
	1001192497	Ref	Footswitch Installation without LSS (Add-on Kit)/(Japanese Spec Only)	
	1001219169	Ref	Frame Protective Cover (All Specs Except CE Specs)	
	2300028	Ref	Hydraulic Fluid - Mobil DTE 10 Excel 15 (Machines with Standard Oil)	
	2300042	Ref	Hydraulic Fluid - Mobil EAL H 32 (Machines with Biodegradeable Oil)	
	0273859	Ref	Hydraulic Pressure Checks Installation (All Specs except Australian AND CE Specs)	
	1001154515	Ref	Inverter/Battery Charger (900W-60Hz) Installation (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)	
	1001229207	Ref	Lifting Lug Add-On Kit (Customer Installed) (All Specs except Australian Specs)	
	1001135753	Ref	Lifting Lugs Installation (Australian Specs Only)	
	1001215518	Ref	Machine Kit	C
	1001215519	1	1930ES Machine Sub-Assembly	C
	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)	
	2940175	1	Battery Cover Latch (Locking)	
	1001214119	Ref	Overhead Protection and Low Height Drive Cutout (Korea Specs Only)	
	1001238848	Ref	Platform Chain Entry Kit	
	1001118216	Ref	Platform Control Box Cover Installation (ANSI Export, CE, Chinese, Japanese, Korea AND UL Specs)	
	1001104466	Ref	Platform Corner Hook Kit	
	1001231786	Ref	Platform Extension Block Installation	

## SECTION 10 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214536	Ref	Platform Extension Lock Replacement Kit	
	1001214311	Ref	Platform Overhead Switch Kit	
	1001204094	Ref	Platform Pad Guide Kit	
	1001176744	Ref	Platform Rail Padding Installation (Available on All Specs)	
	1001176753	Ref	Platform Rail Padding with Limit Switches (ANSI AND UL Specs)	
	1001176749	Ref	Platform Rail Padding with Limit Switches (ANSI, ANSI Export, Chinese and Korea Specs)	
	1001232571	Ref	Platform Soft Touch Kit (ANSI, ANSI Export and China Specs)	
	1001180071	Ref	Platform Worklights Installation (Note: Not Available on UL Machines)	
	1001220687	Ref	Platform Worklights Installation 24 Volt (Fixed) (Available on All Specs Except UL Specs)	
	1001171015	Ref	RCD Box Installation (Brazil Spec Only)	
	3125053	Ref	Video, Operators (ANSI, ANSI Export AND UL Specs)	
	1001212460	Ref	Voltage Guard Installation (ANSI Export and Korea Specs)	
	1001196958	Ref	Voltage Guard Installation (ANSI Export, Chinese and Korea Specs)	
	1001185053	Ref	White Noise Motion Alarm Kit	
	1001193039	Ref	Zapi Programming Harness	



**PART NUMBER INDEX**

# PART NUMBER INDEX

0060090.....31, 33	0275530 ..... 111	0860520 ... 347, 349, 351,	1001097347.....299, 368
0100011..13, 15, 39, 111,	0275663 ..... 295	353, 355, 357, 359,	1001099628.....371
147, 149, 151	0275664 ..... 293	361, 363	1001099919.....365
0100048....111, 139, 141,	0275665 ..... 291	0861527 ..... 207	1001100341.....333
275, 277, 279, 281,	0275666 ..... 287	0861650 ..... 103	1001100342.....335
283, 285	0275667 ..... 289	0861677 ..... 105	1001100345.....341
0100051....89, 91, 93, 95,	0275692 ..... 215	0861678 ..... 93, 99, 105	1001100346.....337
97, 99, 101	0380025 ... 75, 77, 79, 81,	0861731 ... 331, 337, 339,	1001100347.....339
0140011.....185, 187	83, 85, 87	341	1001100451....89, 91, 93,
0140043....59, 61, 63, 65,	0400215 ..... 95, 97, 99	0861781 ..... 333, 335	95, 97, 99, 101
67, 69, 71, 73	0440223 ..... 197	0861880 ..... 271	1001101540.....255, 257,
0200810....119, 123, 127,	0440259 ..... 13, 15, 243	0902780 ..... 39	259
131	0440264 ... 119, 123, 127,	0902905 ..... 53	1001102258....35, 37, 41,
0200815....119, 123, 127,	131	0903339 ... 275, 277, 279,	43, 45, 47
131	0440266 ... 119, 123, 127,	281, 283, 285	1001102349.....25
0200821....119, 123, 127,	131	0903416 ..... 209	1001102351.....25
131	0480100 ..... 205	0903444 ..... 39	1001102353.....25
0200822....119, 123, 127,	0561513 ..... 137, 141	0903566 .... 255, 257, 259	1001102354.....25
131	0610161 ... 75, 77, 79, 81,	0903569 ..... 255, 257	1001102489....35, 37, 41,
0200823....119, 123, 127,	83, 85, 87, 368	0962257 ... 215, 218, 222,	43, 45, 47
131	0630580 ..... 17, 19	226, 230, 234, 238	1001103257.....35, 45
0200824....119, 123, 127,	0641514 ..... 205	1001091102 .... 253, 255,	1001103258.....37, 47
131	0700610 ..... 197	257, 259, 261, 263	1001103471.....41
0200825....119, 123, 127,	0700614 ..... 31, 33	1001091153 ..... 185	1001104466.....371
131	0700615 ... 59, 61, 63, 65,	1001091154 ..... 187	1001109088.....31, 368
0240071.....195	67, 69, 71, 73, 203,	1001091272 ..... 185	1001109218.....371
0240087.....193	275, 277, 279, 281,	1001091275 ..... 187	1001109232.....31, 33
0240102.....197	283, 285	1001091277 ..... 185, 187	1001109233.....31, 33
0272309.....53	0700617 .55, 99, 139, 141	1001091278 ..... 185, 187	1001109345.....371
0272721.....365	0700624 ..... 17, 19	1001091279 ..... 185, 187	1001109475.....271, 368
0272839.....248, 251	0700814 ..... 145	1001091280 ..... 185, 187	1001109482.....271, 368
0272843.....370	0700817 ..... 145, 165	1001091283 ..... 185, 187	1001110826.....99
0272870.....365	0700823 ... 155, 161, 163,	1001091393 ..... 185, 187,	1001112111....35, 37, 41,
0272878.....370	165, 171	371	43, 49
0272879.....207	0700824 ..... 165	1001091396 ..... 185, 187	1001112112....89, 91, 93
0272913.....370	0701016 ..... 13, 15	1001091479 ..... 39	1001112113....35, 37, 41,
0273454.....371	0701018 ..... 153, 161	1001091502 ..... 22, 305	89, 91, 93, 95, 97, 99,
0273698....89, 91, 95, 97,	0701019 ... 153, 155, 161,	1001091965 ..... 185, 187,	101
101, 103	163, 165, 173, 175,	371	1001113574.....41
0273761.....371	177, 179, 181, 183, 201	1001091968 ..... 185, 187,	1001114467.....27
0273859.....371	0701020 ... 171, 177, 183	371	1001114885.....61
0273955.....195	0701021 ... 155, 163, 173,	1001092071 ..... 365	1001114886.....65
0273965.....193	175	1001092354 .... 117, 121,	1001114925.....69
0274126.....370	0701022 ... 117, 119, 121,	125, 129, 368	1001114929.....61, 77
0274153.....197	123, 125, 127, 129,	1001092454 ..... 111	1001114930.....69, 85
0274386.....191	131, 135, 137, 139, 141	1001092456 .. 17, 19, 368	1001114932.....65, 81
0274516.....370	0701027 ... 135, 137, 139,	1001092497 ..... 365	1001114933.....77, 81, 85
0274849.....371	141	1001092580 ..... 365	1001114935....77, 81, 85,
0274874.....215	0710617 ..... 203	1001092737 ... 17, 19, 22	309
0275020.....95	0740603 ..... 195	1001093556 ..... 111, 321	1001114937....75, 77, 79,
0275022.....97	0760410 ..... 53	1001093839 ..... 39	81, 83, 85, 87
0275072.....207, 209	0760605 ... 277, 281, 285	1001094105 ..... 321	1001114992.....267
0275079.....35	0760606 .... 41, 275, 277,	1001094167 ..... 325	1001115002.....275, 277,
0275088.....37	279, 281, 283, 285	1001094175 .... 275, 277,	279, 281, 283, 285, 303
0275103.....39	0760610 ... 89, 91, 93, 95,	279, 281, 283, 285	1001115076.....299, 301
0275216.....255, 333	97, 99, 101	1001094180 ..... 275, 279,	1001115077.....311, 313
0275217.....257, 335	0760812 ..... 39	283	1001115170.....17, 19
0275401.....89	0761014 ... 119, 123, 127,	1001094203 ..... 111	1001117032.....17
0275432.....113	131, 135, 137, 139, 141	1001094301 ..... 17, 19	1001117057.....299, 301
0275452.....263, 341	0840055 ..... 319	1001094359 .... 347, 349,	1001117265.....31
0275453....253, 261, 339	0840058 ... 299, 301, 319,	351, 353, 355, 357,	1001118216.....371
0275454.....259, 337	325, 327	359, 361, 363	1001119032.....311, 313
0275480.....99	0840059 ..... 303	1001096138 ..... 299, 301	1001120621.....365
0275486.....248, 259	0840060 ..... 267	1001096705 ..... 275, 277,	1001120622.....365
0275487.....248, 255	0840061 ... 315, 317, 319	279, 281, 283, 285, 325	1001120623.....365
0275488.....248, 257		1001097150 ..... 271, 273	1001120629.....365

## PART NUMBER INDEX

1001126013 ..... 370	1001166759..... 248	1001181270..... 349	1001212853 ..... 175
1001126898 ..... 33	1001166776.... 75, 79, 83, 87	1001181271 ..... 359	1001212859 ..... 163, 169
1001126905 ..... 33, 368	1001166823..... 59	1001181272 ..... 363	1001212860 ..... 159, 169
1001127523 ..... 99	1001166825..... 67	1001181273 ..... 351	1001212861 ..... 159, 169
1001129267 ..... 15, 243	1001166828..... 63, 71	1001181274 ..... 357	1001212862 ..... 159, 169
1001129288 ..... 123, 226	1001167256.... 75, 79, 83, 87, 311	1001181275 ..... 361	1001212863 ..... 155, 159
1001130614 ..... 199, 201, 368	1001169392..... 368	1001182062 ..... 143	1001212864 ..... 175, 181
1001131004 ..... 121	1001171015..... 372	1001182096 ..... 157, 167	1001212865 ..... 181
1001131009 ..... 125	1001172007..... 43	1001182099 ..... 157, 167	1001212866 ..... 181
1001131019 ..... 121, 123	1001172010..... 43	1001182100 ..... 161, 167	1001212867 ..... 181
1001131027 ..... 125, 127	1001173703..... 365	1001182302 ..... 135, 139, 147	1001213391 ..... 199, 201
1001131033 ..... 127, 238	1001175188..... 135, 137, 139, 141	1001182304 ..... 147, 151	1001213525 ..... 370
1001131074 ..... 15	1001175290..... 143	1001182305 ..... 147, 151	1001213660 ..... 201
1001131270 ..... 347	1001175402..... 143	1001182338 ..... 147, 151	1001213821 ..... 203
1001132233 ..... 91	1001175463..... 135, 139, 143	1001182339 ..... 143, 145	1001213822 ..... 203
1001135753 ..... 371	1001176737..... 161	1001183458 ..... 370	1001214029 ..... 365
1001136847 ..... 370	1001176740..... 153	1001185053 ..... 370, 372	1001214119 ..... 201, 371
1001137675 ..... 177, 183	1001176743..... 173	1001185661 ..... 371	1001214270 ..... 123, 230
1001140336 ..... 371	1001176744..... 372	1001187203 ..... 275, 277, 279, 281, 299	1001214271 ..... 119, 222
1001143663 ..... 246	1001176749..... 372	1001187585 ..... 179, 181	1001214310 ..... 203
1001146794 ..... 347, 349, 351, 355, 357, 359, 361, 363	1001176753..... 372	1001187587 ..... 177, 179, 181, 183, 205	1001214311 ..... 201, 203, 372
1001146795 ..... 353	1001177175..... 135	1001187816 ..... 265	1001214340 ..... 201
1001148902 ..... 371	1001177176..... 139	1001188116 ..... 265	1001214409 ..... 199, 201
1001148903 ..... 371	1001177410..... 55	1001188716 ..... 370	1001214536 ..... 372
1001148904 ..... 371	1001177418..... 55	1001188882 ..... 153, 157	1001215230 ..... 177
1001148905 ..... 371	1001177842.... 45, 47, 51	1001189171 ..... 273	1001215237 ..... 171, 183
1001148906 ..... 371	1001178323..... 147	1001189172 ..... 273	1001215239 ..... 137, 141, 145
1001149795 ..... 370	1001178530..... 275	1001189484 ..... 371	1001215241 ..... 371
1001152479 ..... 273, 368	1001178531..... 279	1001189762 ..... 157, 159, 167, 169, 179, 181	1001215242 ..... 371
1001152482 ..... 273	1001178532..... 267	1001190009 ..... 370	1001215243 ..... 371
1001152483 ..... 273	1001178533..... 267	1001191270 ..... 359	1001215247 ..... 73
1001152485 ..... 261, 263, 273	1001178534..... 267	1001192401 ..... 299, 301	1001215248 ..... 73
1001154515 ..... 371	1001178535..... 267, 275, 277, 279, 281, 283, 285	1001192497 ..... 371	1001215518 ..... 371
1001155840 ..... 119, 218	1001178536..... 275, 277, 279, 281, 283, 285, 329	1001193039 ..... 372	1001215519 ..... 371
1001155850 ..... 13, 241	1001178682..... 315, 317	1001196836 ..... 283, 285, 301	1001215870 ... 35, 37, 41, 43
1001157315 ..... 117, 119	1001178683..... 279, 281, 317	1001196838 ..... 301	1001216313 ..... 347, 349, 351, 353, 355, 357, 359, 361, 363
1001157321 ..... 117	1001178685..... 275, 277, 283, 285, 315	1001196865 ..... 283	1001216829 ..... 137
1001157326 ..... 13	1001179277..... 179, 181	1001196958 ..... 372	1001216831 ..... 141
1001157329 ..... 131, 234	1001179287..... 179, 181	1001197347 ..... 301	1001217111 ..... 165
1001157334 ..... 129, 131	1001179298..... 179, 181	1001198711 ..... 265	1001217113 ..... 171
1001157339 ..... 129	1001179299..... 179, 181	1001199189 ..... 205	1001217114 ..... 171
1001157890 ..... 301	1001179332..... 179, 181	1001200363 ..... 370	1001217115 ..... 171
1001159186 ..... 311, 313	1001179382..... 173, 179	1001201239 ..... 327	1001217118 ..... 171, 183
1001159192 ..... 93	1001179383..... 179	1001201242 ..... 275, 279, 283, 327	1001217119 ..... 171
1001162362 ..... 261, 263	1001179384..... 179, 181	1001202618 ..... 311	1001217173 ..... 183
1001162447 ..... 248, 261	1001179386..... 179, 181	1001202619 ..... 311	1001217327 ..... 353
1001162449 ..... 248, 263	1001179387..... 179, 181	1001204094 ..... 372	1001217666 ..... 203
1001163095 ... 75, 79, 83, 87, 368	1001179389..... 179, 181	1001208641 ..... 75, 313	1001217730 ..... 145
1001165284 ... 75, 79, 83, 87	1001179390..... 179	1001209104 ..... 101	1001217735 ..... 183
1001165286 ... 75, 79, 83, 87	1001179393..... 179	1001209256 ..... 137, 141, 151	1001217736 ..... 183
1001165315 ... 75, 79, 83, 87	1001179427..... 45	1001209280 ..... 151	1001217737 ..... 183
1001165316 ... 75, 79, 83, 87	1001180071..... 372	1001210433 ..... 275, 279, 283	1001217739 ..... 177
1001166194 ..... 59, 75	1001180090.... 75, 79, 83, 87	1001211593 ..... 253	1001217740 ..... 177
1001166195 ..... 67, 83	1001180313..... 47	1001211892 ..... 145	1001217741 ..... 177, 183
1001166197 ... 63, 71, 73, 79, 87	1001181045..... 271	1001211895 ..... 177, 183	1001217742 ..... 183
1001166255 ... 75, 79, 83, 87	1001181267..... 353	1001211896 ..... 177, 183	1001217743 ..... 183
	1001181268..... 347	1001212460 ..... 372	1001217744 ..... 183
	1001181269..... 353	1001212700 ..... 163	1001217745 ..... 145
		1001212850 ..... 155	1001217746 ..... 183
			1001217747 ..... 183
			1001217748 ..... 165, 171
			1001217749 ..... 165

# PART NUMBER INDEX

1001217923.....145	1060379 ... 193, 195, 197, 205, 207	1704016 ... 347, 349, 351, 353, 355, 357, 359, 361, 363	1705944.....357
1001217924.....145	1060689.....41	1704277 ... 347, 349, 351, 353, 355, 357, 359, 361, 363	1705945.....357
1001219122.....19	1060908 ..... 271, 273	1704339 ..... 363	1705946.....357
1001219125.....371	1060957 ..... 207	1704340 ..... 359	1705953.....207
1001219169.....371	1060998 ..... 267	1704341 ..... 351	1705997.....193, 195
1001219353.....277	1061036 ... 117, 121, 125, 129, 215	1704344 ..... 357	1706052.....361
1001219354.....281	1120555 ..... 193, 195	1704412 ... 347, 349, 351, 353, 355, 357, 359, 361, 363	1706053.....361
1001219357.....285	1260136 ..... 153, 155	1705052 ..... 39	1706056.....361
1001219582.....29	1320043 ..... 39	1705213 ..... 207	1706057.....361
1001220668.....277, 281, 285	1320136 ..... 37, 41, 47	1705214 ..... 207	1706350.....107, 109
1001220687.....372	1320224 ..... 99, 207	1705303 ..... 365	1706679.....111
1001221475.....149, 151	1320318 ... 139, 141, 275, 277, 279, 281, 283, 285	1705304 ..... 370	1706749.....39
1001221476.....149, 151	1321293 ... 35, 37, 41, 43, 45	1705305 ..... 207	1706765.....370
1001221949.....297	1321716 ... 275, 277, 279, 281, 283, 285	1705638 ..... 365	1706922.....370
1001221984.....297	1380132 ... 159, 169, 181	1705647 ..... 365	1707022.....361
1001222914.....203	1380153 ..... 13, 15	1705648 ..... 365	2030010.....209
1001223055.....347	1380156 ..... 185, 187	1705666 ..... 365	2080040....157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 347, 349, 351, 353, 355, 357, 359, 361, 363
1001223971.....359	1380158 ... 139, 141, 275, 277, 279, 281, 283, 285	1705670 ... 349, 353, 355	2080057....347, 349, 351, 353, 355, 357, 359, 361, 363
1001224048.....361	1580023 ..... 193, 195	1705671 ... 349, 353, 355	2110404.13, 15, 241, 243
1001224049.....363	1580024 ..... 193, 195	1705673 ... 349, 353, 355	2220882.....215
1001224050.....357	1600387 ..... 139, 141	1705676 ..... 185, 187	2220883.....214, 215
1001224052.....351	1600402 ... 185, 187, 189, 368	1705679 ... 347, 357, 359, 361, 363	2300028.....371
1001226400.....325	1600439 ... 185, 187, 368	1705680 ... 347, 357, 359, 361, 363	2300042.....371
1001226419.....370	1671098 ..... 185, 187	1705681 ... 347, 357, 359, 361, 363	2400060.....299, 301
1001227213.....41	1671105 ... 75, 77, 79, 81, 83, 85, 87	1705686 ..... 347	2400061.....195
1001227219.....41	1671202 .89, 95, 101, 107	1705692 ... 347, 349, 351, 353, 355, 357, 359, 361, 363	2400066.....195
1001227267.....41	1671203 ..... 107, 109	1705693 ... 347, 349, 351, 353, 355, 357, 359, 361, 363	2420172....75, 77, 79, 81, 83, 85, 87
1001228370.....347, 359	1671204 ... 91, 93, 97, 99, 109	1705694 ... 347, 357, 359, 361, 363	2540042.....323
1001228965.....365	1671207 ..... 331	1705695 ... 347, 357, 359, 361, 363	2540045....135, 137, 139, 141
1001229107.....370	1671266 ..... 39	1705696 ..... 75, 77	2560088....159, 169, 181
1001229207.....371	1684484 ..... 119, 214	1705697 ... 79, 81, 83, 85, 87	2560179.....185, 187
1001229441.....205	1684526 ..... 131, 214	1705698 ... 75, 77, 79, 81, 83, 85, 87	2560190....159, 169, 181
1001229469.....205	1701499 ... 347, 349, 351, 353, 355, 357, 359, 361, 363	1705699 ..... 365	2600281....161, 163, 165, 173, 175, 177
1001229696.....370	1701509 ... 347, 349, 351, 353, 355, 357, 359, 361, 363	1705717 ..... 359	2700100.....193, 195
1001230753.....199	1702155 ... 347, 349, 351, 353, 355, 357, 359, 361, 363	1705718 ..... 359	2755056.....13, 15
1001230975.....370	1702773 ..... 365	1705719 ..... 351, 363	2780266.....17, 19, 25
1001230980.....370	1703464 ..... 251, 255	1705720 ..... 363	2792599.....246
1001230981.....370	1703811 ... 347, 349, 351, 353, 355, 357, 359, 361, 363	1705721 ..... 351	2820026....315, 317, 325, 327
1001230982.....370	1703813 ..... 347	1705722 ..... 351	2820028....299, 301, 315, 317, 325, 327
1001230983.....370	1703814 ... 347, 349, 351, 353, 355, 357, 359, 361, 363	1705723 ..... 359	2820097.....153, 155
1001230984.....370	1703819 ... 185, 187, 347, 349, 351, 353, 355, 357, 359, 361, 363	1705724 ..... 351, 363	2820152.....301
1001231066.....365	1703822 ... 347, 349, 351, 353, 355, 357, 359, 361, 363	1705725 ..... 351, 363	2820239.....39
1001231234.....199, 201	1703834 ..... 351	1705726 ..... 351	2820240.....39
1001231786.....371		1705727 ..... 351	2860030....75, 77, 79, 81, 83, 85, 87, 368
1001231801.....347		1705754 ... 107, 109, 207, 347, 349, 351, 357, 359, 361, 363, 365	2902267....347, 349, 351, 353, 355, 357, 359, 361, 363, 370
1001232145.....143		1705781 .... 353, 355, 365	2902331.....113
1001232541.....355		1705894 ..... 351	2902334.....207
1001232571.....372		1705943 ..... 357	2902348.....193, 195
1001232637.....157, 159, 167, 169			2902386.....197
1001233237.....370			2902431.....251, 331
1001233512.....371			2902455....119, 123, 127, 131
1001233888.....103, 105			
1001234398.....135, 139, 149			
1001234399.....149, 151			
1001234401.....149			
1001234783.....197			
1001238848.....371			
1001241857.....159, 169			
1001241858.....159, 169			
1001244298.....355, 357			
1001244301.....355, 357			
1060331.....195			

# PART NUMBER INDEX

2902522 ..... 347, 370	3300473 ..... 185, 187	3641605.... 157, 159, 167, 169	4160202 ..... 31, 33
2902523 ... 349, 353, 355, 370	3300477 ... 153, 155, 161, 163, 173, 175	3641606.... 157, 159, 167, 169	4160203 ..... 185, 187
2902524 ..... 359, 370	3310601 ..... 195	3730119..... 325, 327	4191306 ..... 185, 187
2902525 ..... 363, 370	3311005 ..... 195	3740150..... 17, 19	4191407 ..... 185, 187
2902526 ..... 351, 370	3311405 ..... 195	3760115 31, 33, 119, 123, 127, 131	4191409 ..... 185, 187
2902528 ..... 357, 370	3311505 ..... 205	3760170.... 119, 123, 127, 131, 193, 195, 197, 205, 207	4191706 ... 35, 37, 39, 41, 43, 45, 47, 59, 61, 63, 65, 67, 69, 71, 73, 117, 121, 125, 129, 197, 255, 257, 259, 263
2902532 ..... 361, 370	3321005 ... 75, 77, 79, 81, 83, 85, 87	3760348..... 31, 33	4191707 ... 53, 89, 91, 93, 95, 97, 99, 101, 139, 141, 261
2902541 ... 255, 257, 259, 271	3321402 ... 117, 121, 125, 129, 215	3760463..... 17, 19	4191708 ..... 17, 19
2915012 ..... 27	3340612 ... 157, 159, 167, 169, 171, 179, 181, 183	3820019..... 159, 169, 181	4191709 ..... 17, 19
2915042 ..... 371	3340962 ... 119, 123, 127, 131	3820032..... 103, 105	4220227 ..... 197
2915230 ..... 49	3340964 ... 117, 121, 125, 129	3841143.... 119, 123, 127, 131	4220252 ..... 103, 105
2920026 ... 79, 81, 83, 85, 87	3340965 ..... 135, 139	3841675..... 197	4220253 ..... 103, 105
2920094 ... 79, 81, 83, 85, 87	3340968 ..... 185, 187	3841716.... 153, 155, 161, 163, 173, 175	4220287 ..... 31, 33
2920161 ..... 53	3340976 ... 135, 137, 139, 141	3860111 .... 157, 159, 167, 169, 179, 181	4240003 ... 193, 195, 197, 269
2940064 .... 153, 155, 368	3380475 ..... 185, 187	3860118..... 143, 145	4240033 ..... 41, 139, 141
2940174 ..... 107	3380527 ..... 195	3900190.... 147, 149, 151	4240147 ..... 17, 19
2940175 ..... 109, 371	3421453 ..... 197, 207	3900333..... 185, 187	4240172 ..... 93, 99
3010088 ..... 153, 155	3421854 ..... 205	3900336.... 75, 77, 79, 81, 83, 85, 87	4340739 ..... 77, 81, 85
3010158 ..... 31, 33	3422219 .... 193, 195, 197	3900338.... 75, 77, 79, 81, 83, 85, 87, 191	4340853 ..... 193, 195
3080007 ... 161, 163, 165, 173, 175, 177	3422938 ..... 139, 141	3900339.... 75, 77, 79, 81, 83, 85, 87	4340854 ..... 193, 195
3125053 ..... 372	3423031 ... 119, 123, 127, 131	3900351 31, 33, 275, 277, 279, 281, 283, 285	4340931 ..... 139
3200454 ... 117, 121, 125, 129	3423032 ... 119, 123, 127, 131	3900355..... 193, 195	4340938 ..... 207
3200456 ..... 141	3423037 ..... 13, 15	3900356..... 77, 81, 85	4340946 ..... 197
3251813 ..... 365	3423038 ... 119, 123, 127, 131	3900381..... 41	4340947 ..... 197
3252098 ..... 359	3423042 ... 119, 123, 127, 131	3931010..... 195	4360069 ... 75, 77, 79, 81, 83, 85, 87, 368
3252507 ... 253, 257, 259, 261, 263, 265	3423045 ..... 31, 33	3931408..... 195	4360155 ..... 207
3290405 ... 31, 33, 41, 53, 191, 251, 253, 255, 257, 259, 261, 263, 265	3423049 ..... 135, 137	3931412.... 75, 79, 83, 87, 193, 195	4360328 ... 75, 77, 79, 81, 83, 85, 87, 368
3290505 ..... 41	3423189 ..... 31, 33	3931508..... 193, 195	4360345 ..... 199, 201
3290605 ... 31, 33, 89, 91, 93, 95, 97, 99, 101, 147, 151, 255, 257, 275, 277, 279, 281, 283, 285	3423239 ... 117, 121, 125, 129	3951608..... 113	4360387 ..... 111, 368
3290606 17, 19, 139, 141, 153, 155, 157, 159, 161, 163, 167, 169, 173, 175, 179, 181, 197, 203, 207, 209, 275, 277, 279, 281, 283, 285	3423267 ..... 31, 33	4010405..... 265	4360469 ... 75, 77, 79, 81, 87, 368
3290607 ..... 55, 99	3423278 ..... 179, 181	4010408.... 251, 253, 255, 257, 259, 261, 263	4360470 ..... 83, 85, 368
3290805 ..... 145	3450406 ..... 25	4010608.... 207, 209, 261, 263	4360475 ... 75, 77, 79, 81, 83, 85, 87, 185, 187, 368
3290806 ... 155, 159, 161, 163, 165, 169, 171, 181	3460334 ..... 193, 195	4010612..... 255, 257	4360538 .... 185, 187, 368
3291001 ..... 161, 163	3520072 ... 153, 155, 161, 163, 165, 173, 175, 177, 197	4010614..... 207	4360539 .... 185, 187, 368
3291005 31, 33, 117, 121, 125, 129, 135, 137, 139, 141, 149, 151, 153, 155, 165, 171, 173, 175, 177, 183, 275, 277, 279, 281, 283, 285	3520193 ..... 75, 77	4010616.... 153, 155, 161, 163, 173, 175, 179, 181, 275, 277, 279, 281, 283, 285	4360613 ..... 269, 368
3291006 ... 153, 161, 177, 179, 181, 183, 201	3574159 ... 119, 123, 127, 131	4010617 ..... 179	4420051 ..... 365
3291007 ... 119, 123, 127, 131	3574176 ..... 31, 33	4010618.... 157, 159, 161, 163, 167, 169, 179, 181, 209	4420062 ... 193, 195, 197, 205
3300048 ..... 207	3574184 ... 157, 159, 167, 169	4031511..... 199, 201	4420070 ... 117, 121, 125, 129
3300423 ..... 25	3574981 ... 89, 91, 93, 95, 97, 99, 101	4031512..... 31, 33	4420080 ..... 55
	3574984 ... 89, 91, 93, 95, 97, 99, 101	4031607 ..... 111	4460115 ..... 311, 313
	3575794 ..... 191	4060805.... 275, 277, 279, 281, 283, 285	4460138 ..... 251
	3576093 ... 119, 123, 127, 131	4060865..... 53	4460183 ..... 311, 313
	3576645 ... 157, 159, 167, 169	4060906..... 199, 201	4460226 ... 201, 299, 301, 321
	3577076 ..... 103, 105	4160078.... 117, 121, 125, 129, 215	4460227 49, 51, 201, 299, 301
	3641604 ... 157, 159, 167, 169		4460259 ... 299, 301, 309, 311, 313
			4460260 ... 299, 301, 309, 311, 313, 343
			4460265 ..... 323
			4460267 ..... 309, 323

# PART NUMBER INDEX

4460268....75, 79, 83, 87, 311, 313	4460944 ... 309, 315, 317, 319, 325, 327	181, 183, 201, 275, 277, 279, 281, 283, 285	70004244.....243
4460297.....343	4460956 ..... 271	4812002 ... 149, 151, 153, 155, 161, 163, 173, 175	70004245.....243
4460315.....251	4460957 ..... 271	4831600 ..... 41	70004585..218, 222, 226, 230, 234, 238
4460320.....201, 299, 301	4460961 ..... 309	4831700 ..... 17, 19	70004620.....226, 238
4460321....75, 79, 83, 87, 321	4460968 ..... 265	4841700 ..... 41	70004621...226, 230, 238
4460328.....207	4460986 ..... 299, 301	4846723 ... 167, 169, 171, 179, 181, 183	70004622...226, 230, 238
4460346.....331	4461002 ..... 269	4846757 ..... 13, 15	70004623...226, 230, 238
4460374.....299, 301	4461012 ..... 195	4846775 ..... 31, 33	70004624...226, 230, 238
4460375.....299, 301	4461016 ..... 323	4846861 ..... 31, 33	70004625...226, 230, 238
4460418....199, 201, 309, 311, 313	4461057 ..... 323	4922870 .... 185, 187, 323	70004626...226, 230, 238
4460419....199, 201, 309	4461077 ..... 309, 311	4922944 ..... 113, 269	70004627.....226, 238
4460424.....49, 51, 201	4461196 ..... 287, 333	4923048 ..... 207	70004654..218, 222, 227, 231, 234, 239
4460464....33, 49, 51, 59, 61, 63, 65, 67, 69, 71, 73, 199, 201, 299, 301, 311, 313, 319, 323, 325, 327, 343	4461198 ..... 333	4923049 ..... 209	70004718...218, 222, 234
4460465....195, 199, 201, 299, 301, 303, 305, 315, 317, 319, 325, 327	4461199 ..... 289, 335	4923114 ..... 195	70004719.....218, 234
4460466....199, 201, 299, 301, 311, 313, 315, 317, 319, 323, 325, 327	4461201 ..... 335	4923121 ..... 195, 343	70004720...218, 222, 234
4460493.....325, 327	4461202 ..... 295, 341	4923228 .... 139, 141, 319	70004721.....218, 234
4460496.....323	4461205... 293, 295, 339, 341	4923367 ..... 267	70004779.....241
4460497.....323	4461244 ..... 341	4923374 ..... 267	70004780.....241
4460508.....307	4461245 ..... 339	4923390 ..... 39	70004781.....241
4460509.....305	4461246 ..... 337	4923391 ..... 39	70004914..218, 222, 226, 230, 234, 238
4460535.....33	4461249 ..... 291, 337	4923392 ..... 39	70004915..218, 222, 226, 230, 234, 238
4460536....59, 61, 63, 65, 67, 69, 71, 73	4461257 ..... 255, 257	4923393 ..... 39	70004916..218, 222, 226, 230, 234, 238
4460539.....299, 301	4461258 ..... 255, 257	4923414 ..... 99	70004917..218, 222, 226, 230, 234, 238
4460648.....49, 299, 301	4461260 ..... 307	4923602 ..... 17, 19, 307	70004921..218, 222, 227, 231, 234, 239
4460662....253, 259, 261, 263, 331	4461261 ..... 305	5241000 .... 147, 149, 151	70004925..218, 222, 226, 230, 234, 238
4460754.....325, 327	4530021 ..... 207	70000082 ..... 189	70004926..218, 222, 226, 230, 234, 238
4460761.....299, 301	4530026 ..... 195	70000084 ..... 189	70004927..218, 222, 226, 230, 234, 238
4460778.....329	4568738 ..... 185, 187	70000191 ..... 22	70004928..218, 222, 226, 230, 234, 238, 368
4460836.....319	4569305 ... 157, 159, 167, 169, 171	70000335 ..... 214	70004932..218, 222, 226, 230, 234, 238
4460868.....321	4711400 .... 193, 195, 197	70000658 ..... 214	70004934..218, 222, 226, 230, 234, 238
4460871.....299, 301	4740086 ..... 31, 33	70000683 ..... 189	70004935..218, 222, 226, 230, 234, 238
4460873.....299, 301	4740446 ..... 143, 145	70000684 ..... 189	70004936..218, 222, 226, 230, 234, 238
4460877.....321	4740468 ..... 25	70000685 ..... 189	70004938..218, 222, 226, 230, 234, 238
4460878.....343	4740480 ..... 193, 195	70000686 ..... 189	70004970..218, 222, 226, 230, 234, 238
4460884....195, 199, 201, 299, 301, 311, 313	4740524 ..... 17, 19	70000790 ..... 22	70004971..218, 222, 227, 231, 234, 239
4460885.....343	4740531 ... 119, 123, 127, 131	70000791 ..... 22	70004972..218, 222, 227, 231, 234, 239
4460887.....343	4740545 ... 275, 277, 279, 281, 283, 285	70000792 ..... 22	70004973..218, 222, 226, 230, 234, 238
4460891 17, 19, 201, 299, 301, 303, 305	4740562 ..... 39	70000798 ..... 215	70004974..218, 222, 226, 230, 234, 238
4460894....299, 301, 303	4740564 ..... 17, 19	70000799 ..... 215	70004975..218, 222, 226, 230, 234, 238
4460897.....299, 301	4750800 ..... 53, 107, 109	70001250 ..... 189	70005233..218, 222, 226, 230, 234, 238
4460899.49, 51, 299, 301	4751000 ... 75, 77, 79, 81, 83, 85, 87	70001251 ..... 189	70005234..218, 222, 227, 231, 234, 238
4460905.....299, 301	4751400 ..... 17, 19, 55	70001252 ..... 189	70005235..218, 222, 227, 231, 234, 238
4460918.....311, 313	4751500 ..... 205	70001253 ..... 189	
4460930....315, 317, 319	4811400 .... 41, 191, 255, 257, 265	70001263 ..... 23	
4460931....299, 301, 319, 325, 327	4811600 .... 103, 105, 111	70001265 ..... 23	
4460932.....199, 201	4811700 ... 17, 19, 31, 33, 35, 37, 39, 41, 43, 45, 47, 53, 89, 91, 93, 95, 97, 99, 101, 209, 255, 257, 259, 261, 263	70001442 ..... 305	
4460933.....319	4811702... 275, 277, 279, 281, 283, 285	70001443 ..... 305	
4460942.....299, 301	4811900 ... 145, 147, 151, 155, 161, 163, 165, 171	70001709 ..... 215	
4460943....299, 301, 311, 313, 315, 317, 319, 325, 327	4812000 ... 13, 15, 31, 33, 119, 123, 127, 131, 135, 137, 139, 141, 147, 151, 153, 155, 161, 163, 165, 171, 173, 175, 177, 179,	70001739 ..... 22	
		70001878 . 117, 121, 125, 129, 215	
		70001949 ..... 22	
		70003028 . 218, 222, 226, 230, 234, 238	
		70003645 ..... 214	
		70003646 ..... 214	
		70003650 ..... 189	
		70003663 .. 226, 230, 238	
		70003706 ..... 368	
		70003707 . 218, 222, 226, 230, 234, 238, 368	
		70004237 .. 226, 230, 238	
		70004239 ..... 243	
		70004241 ..... 243	

## PART NUMBER INDEX

70005236 . 218, 222, 227, 231, 234, 239	7020176 ... 75, 77, 79, 81, 83, 85, 87, 185, 187	7023571 .....214	7024772 ..... 23
70005237 . 218, 222, 227, 231, 234, 239	7020218 ... 117, 121, 125, 129, 215	7023572 .....214	7024773 ..... 23
70005238 . 218, 222, 227, 231, 234, 239	7023530 ..... 215	7023573 .....214	7024785 ..... 22
70005968 ..... 222	7023536 ..... 215	7023574 .....215	7024786 ..... 22
70005969 ..... 222	7023537 ..... 215	7023575 .....215	7027303 ..... 207
70005970 ..... 222	7023538 ..... 215	7023576 .....215	7027365 ..... 189
70005971 ..... 222	7023542 ..... 215	7023577 .....214	7027367 ..... 189
70005975 ..... 230	7023543 ..... 215	7023589 .....214	7027765 ..... 189
70006082 .. 218, 222, 234	7023550 ..... 215	7023591 .....214	7027766 ..... 189
70006083 .. 218, 222, 234	7023551 ..... 215	7023593 .....214	7027863 ..... 109
70006342 ..... 241	7023552 ..... 215	7024747 .....23	7028909 ..... 203
70006426 ..... 22	7023553 ..... 215	7024748 .....23	77363228 ..... 203
70023915 .. 218, 222, 234	7023554 ..... 215	7024749 .....23	80325 ..... 197
7020175 ... 75, 77, 79, 81, 83, 85, 87, 185, 187	7023558 ..... 214	7024750 .....23	8229242 ..... 299, 301
	7023569 ..... 214	7024756 .....23	
	7023570 ..... 214	7024757 .....22	
		7024758 .....23	
		7024771 .....23	



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