



Illustrated Parts Manual

Model
2646ES
3246ES

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

P/N
3121683

October 1, 2018 - Rev O

ANSI



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: 2646ES & 3246ES 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3121167 has been replaced by multiple manuals.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 3121245.

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 3121683 (2646ES and 3246ES)

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 1200025022 - Use manual p/n 3121248.

Belgium Built Machines SN 1200025023 to present - Use manual p/n 3121681.

China Built Machines SN B200000100 to SN B200020296- Use manual p/n 3121275.

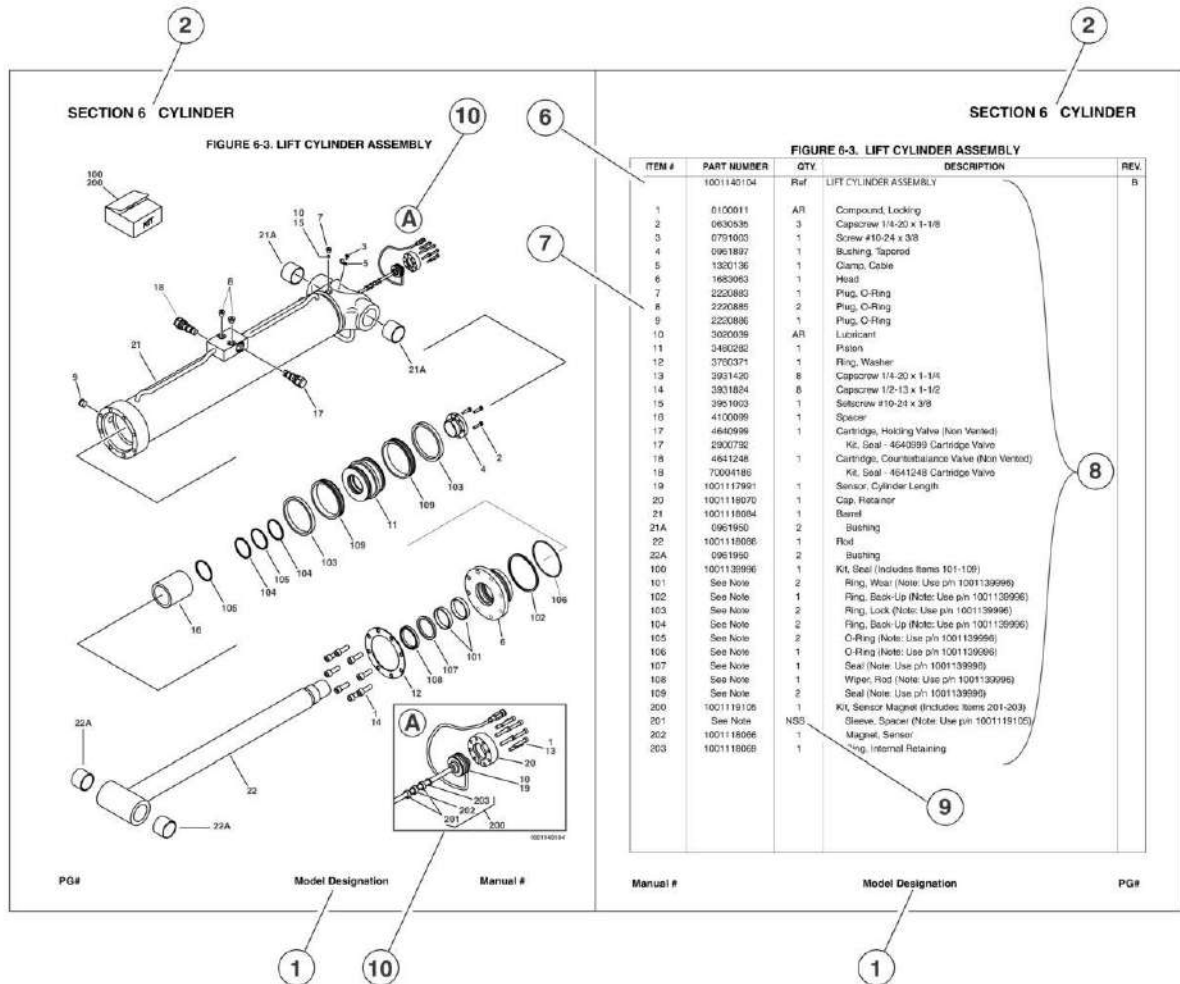
China Built Machines SN B200020297 to Present - Use manual p/n 3121683 (2646ES and 3246ES)

Mexico Built Machines SN M200000100 to Present - Use manual p/n 3121683 (2646ES and 3246ES)

MANUAL REVISION LOG:

July 1, 2015 - A - Original Issue of Manual (Edited to B/M 1001180000 Revision G)
September 15, 2015 - B - Revised Manual (Edited to B/M 1001180000 Revision W) (Revision 1)
December 2, 2015 - C - Revised Manual (Edited to B/M 1001180000 Revision X) (Revision 3)
March 21, 2016 - D - Revised Manual (Edited to B/M 1001180000 Revision AE) (Revision 2)
June 30, 2016 - E - Revised Manual (Edited to B/M 1001180000 Revision AI) (Revision 2)
September 9, 2016 - F - Revised Manual (Edited to B/M 1001180000 Revision AI) (Revision 2)
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August 4, 2017 - J - Revised Manual (Edited to B/M 1001180000 Revision AW and 1001215518 Revision B) (Revision 2)
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December 8, 2017 - L - Revised Manual (Edited to B/M 1001180000 Revision BA and 1001215518 Revision C) (Revision 2)
April 12, 2018 - M - Revised Manual (Edited to B/M 1001180000 Revision BF and 1001215518 Revision C) (Revision 1)
June 8, 2018 - N - Revised Manual (Edited to B/M 1001180000 Revision BF and 1001215518 Revision D) (Revision 2)
October 1, 2018 - O - Revised Manual (Edited to B/M 1001180000 Revision BL and 1001215518 Revision E) (Revision 1)

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

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

10) ILLUSTRATION 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.....	13
FIGURE 1-1. STEERING INSTALLATION (USA AND MEXICO BUILT MACHINES)	14
FIGURE 1-2. STEERING INSTALLATION (BELGIUM, CHINA AND MEXICO BUILT MACHINES)	16
FIGURE 1-3. DRIVE HUB AND MODULE INSTALLATION	18
FIGURE 1-4. DRIVE HUB AND MODULE INSTALLATION (BELGIUM BUILT MACHINES ONLY)	20
FIGURE 1-5. DRIVE MOTOR/HUB ASSEMBLY	22
FIGURE 1-6. HUB ASSEMBLY - REAR	26
FIGURE 1-7. TIRE AND WHEEL ASSEMBLY	28
FIGURE 1-8. POTHOLE PROTECTION INSTALLATION - NON-UL	30
FIGURE 1-9. POTHOLE PROTECTION INSTALLATION - UL	32
FIGURE 1-10. BATTERY CHARGER INSTALLATION WITH 110V PLUG AND DELTA-Q CHARGER (ANSI, ANSI EXPORT, CSA, JAPANESE AND UL SPECS)	34
FIGURE 1-11. BATTERY CHARGER INSTALLATION WITH 110V PLUG AND EAGLE PERFORMANCE CHARGER (ANSI AND CSA SPECS).....	36
FIGURE 1-12. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG AND DELTA-Q CHARGER (ANSI, ANSI EXPORT, CSA AND CE SPECS)	38
FIGURE 1-13. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG AND EAGLE PERFORMANCE CHARGER (ANSI AND CSA SPECS).....	40
FIGURE 1-14. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG (AUSTRALIAN SPEC)	42
FIGURE 1-15. BATTERY CHARGER INSTALLATION WITH CHINESE PLUG (CHINESE SPEC).....	44
FIGURE 1-16. BATTERY CHARGER ASSEMBLY - DELTA-Q.....	46
FIGURE 1-17. BATTERY CHARGER ASSEMBLY - EAGLE PERFORMANCE	48
FIGURE 1-18. CHARGER (INVERTER) INSTALLATION (ANSI, ANSI EXPORT, CSA SPECS)	50
FIGURE 1-19. BEACON (AMBER) LIGHT INSTALLATION (OPTIONAL)	52
FIGURE 1-20. LADDER INSTALLATION	54
SECTION 2 - GROUND COMPONENTS.....	57
FIGURE 2-1. GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN 0200239382 to Present, SN B200023346 to Present, SN M200000100 to Present)	58
FIGURE 2-2. GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN B200020297 through B200023345)	60
FIGURE 2-3. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN 0200239382 to Present, SN B200023346 to Present, SN M200000100 to Present).....	62
FIGURE 2-4. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN B200020297 through B200023345)	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 1200025021 to Present)	72
FIGURE 2-9. GROUND CONTROL BOX ASSEMBLY - NO LSS (SN 0200239382 to Present, SN B200023346 to Present, SN M200000100 to Present)	74
FIGURE 2-10. GROUND CONTROL BOX ASSEMBLY - NO LSS (SN B200020297 through B200023345).....	76
FIGURE 2-11. GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE SPECS) (SN 0200239382 to Present, SN B200023346 to Present, SN M200000100 to Present).....	78
FIGURE 2-12. GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE SPECS) (SN B200020297 through B200023345)	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 - EV TYPE - 244 AH RATING (NON-LOCKING COVERS)	94
FIGURE 2-20. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-UL LOCKING COVERS).....	96
FIGURE 2-21. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (UL LOCKING COVERS).....	98
FIGURE 2-22. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON LOCKING COVERS).....	100
FIGURE 2-23. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON-UL LOCKING COVERS)	102
FIGURE 2-24. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (UL LOCKING COVERS)	104
FIGURE 2-25. BATTERIES INSTALLATION - 220 AH RATING WITHOUT BATTERIES (NON LOCKING COVERS)	106
FIGURE 2-26. BATTERY TRAY ASSEMBLY - NON-UL	108
FIGURE 2-27. BATTERY TRAY ASSEMBLY - UL	110
FIGURE 2-28. BATTERY COVER ASSEMBLY - NON-LOCKING	112
FIGURE 2-29. BATTERY COVER ASSEMBLY - LOCKING	114

TABLE OF CONTENTS

FIGURE 2-30. BRAKE DISCONNECT AND MDI (MULTIFUNCTION DIGITAL INDICATOR) GAUGE INSTALLATION	116
FIGURE 2-31. BRAKE CABLE INSTALLATION (OPTIONAL)	118
SECTION 3 - SCISSOR ARMS	121
FIGURE 3-1. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	122
FIGURE 3-2. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	124
FIGURE 3-3. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 through M200022030)	126
FIGURE 3-4. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	128
FIGURE 3-5. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	130
FIGURE 3-6. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	132
FIGURE 3-7. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES) (SN 1200025021 to Present, SN B200020982 to Present, SN M200022031 to Present)	134
FIGURE 3-8. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)	136
FIGURE 3-9. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	138
FIGURE 3-10. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	140
FIGURE 3-11. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	142
FIGURE 3-12. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	144
FIGURE 3-13. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	146
FIGURE 3-14. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	148
FIGURE 3-15. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)	150
FIGURE 3-16. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)	152
FIGURE 3-17. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	154
FIGURE 3-18. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	156
FIGURE 3-19. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 through M200022032)	160
FIGURE 3-20. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	162
FIGURE 3-21. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	166
FIGURE 3-22. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	168
FIGURE 3-23. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES) (SN 1200025021 to Present, SN B200020982 to Present, SN M200022033 to Present)	172
FIGURE 3-24. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)	174
FIGURE 3-25. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	178
FIGURE 3-26. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	180
FIGURE 3-27. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	184
FIGURE 3-28. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	186
FIGURE 3-29. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	190
FIGURE 3-30. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	192
FIGURE 3-31. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)	196

TABLE OF CONTENTS

FIGURE 3-32. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present).....	198
SECTION 4 - PLATFORM.....	201
FIGURE 4-1. PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITHOUT LSS.....	202
FIGURE 4-2. PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITHOUT LSS.....	204
FIGURE 4-3. PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITH LSS.....	206
FIGURE 4-4. PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITH LSS.....	208
FIGURE 4-5. PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAILS.....	210
FIGURE 4-6. PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS.....	212
FIGURE 4-7. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS (SN 1200025021 through 1200030233, SN B200020297 through B200051184, SN M200000100 through M200021520).....	214
FIGURE 4-8. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS (SN 1200030234 to Present, SN B200051185 to Present, SN M200021521 to Present).....	216
FIGURE 4-9. LATCH ASSEMBLY - WITH OUTSIDE EXTENSION RAILS.....	218
FIGURE 4-10. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND CHAIN GATE.....	220
FIGURE 4-11. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE.....	222
FIGURE 4-12. RAIL KIT - WITH INSIDE EXTENSION RAILS AND CHAIN GATE.....	224
FIGURE 4-13. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE.....	226
FIGURE 4-14. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE.....	228
FIGURE 4-15. RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE.....	230
FIGURE 4-16. RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE.....	232
FIGURE 4-17. RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE.....	234
FIGURE 4-18. RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE.....	236
FIGURE 4-19. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE (SN 0200239382 through 0200264570, SN 1200025023 through 1200030201, SN B200020297 through B200041196).....	238
FIGURE 4-20. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE (SN 0200264571 to Present, SN 1200030202 to Present, SN B200041197 to Present).....	240
FIGURE 4-21. PLATFORM CONSOLE ASSEMBLY.....	242
FIGURE 4-22. PLATFORM CONSOLE ASSEMBLY.....	244
FIGURE 4-23. DRIVE/STEER CONTROLLER ASSEMBLY.....	246
FIGURE 4-24. PLATFORM CONSOLE HANGER INSTALLATION (OPTIONAL).....	248
FIGURE 4-25. WORKSTATION WITHOUT DC CONVERTER INSTALLATION.....	250
FIGURE 4-26. WORKSTATION WITH DC CONVERTER INSTALLATION.....	252
FIGURE 4-27. ELECTRICIAN'S TREE INSTALLATION.....	254
FIGURE 4-28. VISE INSTALLATION (ELECTRICAL, PLUMBERS AND PLANT PACKAGE).....	256
FIGURE 4-29. LOW HEIGHT DRIVE CUTOUT (JAPANESE SPECS ONLY).....	258
FIGURE 4-30. OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY).....	260
FIGURE 4-31. OVERHEAD SWITCH KIT (FRONT) (SN B200020297 through B200046829).....	262
FIGURE 4-32. OVERHEAD SWITCH KIT (REAR) (SN B200020297 through B200046829).....	264
FIGURE 4-33. OVERHEAD SWITCH KIT (FRONT/REAR) (SN B200046830 to Present).....	266
FIGURE 4-34. PANEL INSTALLATION (ANSI, ANSI EXPORT, CHINESE, CSA AND KOREA SPECS).....	268
FIGURE 4-35. PANEL INSTALLATION (AUSTRALIAN, CE AND JAPANESES SPECS).....	270
FIGURE 4-36. PIPE RACKS INSTALLATION (FACTORY INSTALLED).....	272
FIGURE 4-37. PIPE RACK INSTALLATION (FACTORY INSTALLED).....	274
FIGURE 4-38. QUIK WELDER INSTALLATION.....	276
FIGURE 4-39. QUIK WELDER READY INSTALLATION.....	278
SECTION 5 - CYLINDER.....	281
FIGURE 5-1. LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (TEXAS HYDRAULICS).....	282
FIGURE 5-2. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (TEXAS HYDRAULICS).....	286
FIGURE 5-3. LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (TEXAS HYDRAULICS).....	290
FIGURE 5-4. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (TEXAS HYDRAULICS).....	294
FIGURE 5-5. LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (SERTA).....	298
FIGURE 5-6. LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (SH-PAC).....	302
FIGURE 5-7. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA).....	306
FIGURE 5-8. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC).....	310
FIGURE 5-9. LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (SERTA).....	314
FIGURE 5-10. LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (SH-PAC).....	318
FIGURE 5-11. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA).....	322
FIGURE 5-12. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC).....	326
FIGURE 5-13. STEER CYLINDER ASSEMBLY (SERTA).....	330
FIGURE 5-14. STEER CYLINDER ASSEMBLY (SH-PAC).....	332
SECTION 6 - HYDRAULIC.....	335

TABLE OF CONTENTS

FIGURE 6-1. HYDRAULIC DIAGRAM LIST.....	336
SECTION 7 - ELECTRICAL.....	337
FIGURE 7-1. ELECTRICAL DIAGRAM LIST	338
FIGURE 7-2. AC BOX AT PLATFORM INSTALLATION - 110V GFI.....	340
FIGURE 7-3. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD (ANSI EXPORT SPEC ONLY).....	342
FIGURE 7-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY)	344
FIGURE 7-5. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPEC ONLY).....	346
FIGURE 7-6. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPEC ONLY).....	348
FIGURE 7-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD (CE SPEC ONLY).....	350
FIGURE 7-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GRD (CE SPEC ONLY)	352
FIGURE 7-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD - DUAL OUTLET (CE SPEC - 2646ES ONLY).....	354
FIGURE 7-10. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI EXPORT AND CHINESE SPECS ONLY)	356
FIGURE 7-11. BATTERY CABLE KIT.....	358
FIGURE 7-12. BRAKE DISCONNECT HARNESS	360
FIGURE 7-13. BREAKER BOX KIT WITH TWO BREAKERS (CE SPEC ONLY).....	362
FIGURE 7-14. BREAKER BOX KIT WITH THREE BREAKERS (CE SPEC ONLY).....	364
FIGURE 7-15. CABLES INSTALLATION	366
FIGURE 7-16. CABLES INSTALLATION	368
FIGURE 7-17. CABLES INSTALLATION	370
FIGURE 7-18. CABLES INSTALLATION	372
FIGURE 7-19. CABLES INSTALLATION	374
FIGURE 7-20. CABLES INSTALLATION	376
FIGURE 7-21. CHARGER CORD PLUG INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY).....	378
FIGURE 7-22. CHARGER CORD PLUG INSTALLATION - 220V IEC BLUE (CE SPEC)	380
FIGURE 7-23. CHARGER CORD PLUG INSTALLATION - 220V AFSINT 107 (CE SPEC).....	382
FIGURE 7-24. CHARGER CORD PLUG INSTALLATION - 220V CEE7 POST GROUND (CE SPEC).....	384
FIGURE 7-25. CHARGER CORD PLUG INSTALLATION - 220V POST GROUND (CE SPEC).....	386
FIGURE 7-26. CHARGER CORD PLUG INSTALLATION (KOREA SPEC)	388
FIGURE 7-27. CHASSIS HARNESS.....	390
FIGURE 7-28. CHASSIS HARNESS - UL SPEC	392
FIGURE 7-29. CYLINDER HARNESS	394
FIGURE 7-30. DRIVE CABLE ASSEMBLY.....	396
FIGURE 7-31. DRIVE FIELD CONNECTION HARNESS	398
FIGURE 7-32. GROUND CONTROL BOX HARNESS (SN B200020297 through B200023345)	400
FIGURE 7-33. GROUND CONTROL BOX HARNESS (SN 0200239382 to Present, SN 1200025021 to Present, SN B200023346 to Present, SN M200000100 to Present).....	402
FIGURE 7-34. GROUND CONTROL BOX HARNESS - NO LSS (SN 0200266380 to Present, SN B200043104 to Present, SN M200012171 to Present).....	404
FIGURE 7-35. GROUND TO PLATFORM HARNESS	406
FIGURE 7-36. GROUND TO PLATFORM HARNESS	408
FIGURE 7-37. MDI (MULTIFUNCTION DIGITAL INDICATOR) HARNESS.....	410
FIGURE 7-38. PLATFORM BOX HARNESS	412
FIGURE 7-39. PLATFORM CABLE ASSEMBLY (SN 0200239382 through 0200262555, SN 1200025024 to Present, SN B200020297 to Present, SN M200000100 through M200010214).....	414
FIGURE 7-40. PLATFORM CABLE ASSEMBLY (SN 0200262556 to Present, SN M200010215 to Present).....	416
FIGURE 7-41. PUMP POWER CABLE ASSEMBLY	418
FIGURE 7-42. RECEPTACLE BOX KIT - 110V GFI	420
FIGURE 7-43. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC)	422
FIGURE 7-44. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC).....	424
FIGURE 7-45. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)	426
FIGURE 7-46. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC) AND DUAL OUTLET (CE SPEC - 2646ES).....	428
FIGURE 7-47. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND (CE SPEC)	430
FIGURE 7-48. WORKSTATION POWER HARNESS	432
SECTION 8 - DECALS	435
FIGURE 8-1. DECAL INSTALLATION - ANSI SPEC (ENGLISH).....	436
FIGURE 8-2. DECAL INSTALLATION - AUSTRALIAN SPEC (ENGLISH).....	438
FIGURE 8-3. DECAL INSTALLATION - BRAZIL SPEC (PORTUGUESE/SPANISH).....	440
FIGURE 8-4. DECAL INSTALLATION - CE SPEC (ENGLISH)	442
FIGURE 8-5. DECAL INSTALLATION - CHINA SPEC (GB).....	444
FIGURE 8-6. DECAL INSTALLATION - CHINESE SPEC (CHINESE/ENGLISH)	446
FIGURE 8-7. DECAL INSTALLATION - CSA SPEC (ENGLISH/FRENCH).....	448
FIGURE 8-8. DECAL INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH)	450

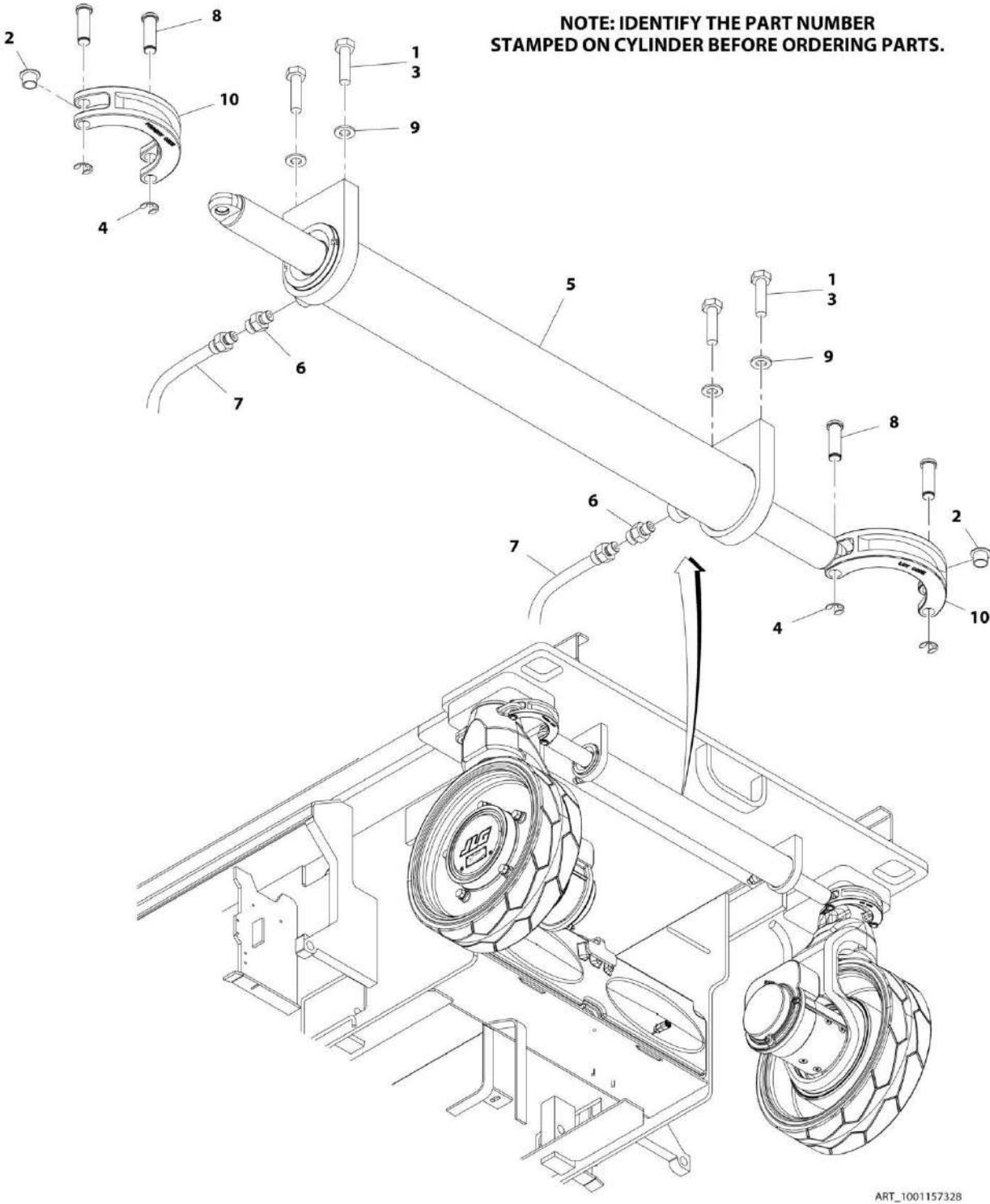
TABLE OF CONTENTS

FIGURE 8-9. DECAL INSTALLATION - LATIN AMERICAN SPEC (ENGLISH/SPANISH)	452
FIGURE 8-10. DECAL INSTALLATION – OPTIONS.....	454
SECTION 9 - RECOMMENDED SERVICE PARTS STOCK	457
FIGURE 9-1. RECOMMENDED SERVICE PARTS STOCK	458
SECTION 10 - SPECIAL OPTIONS.....	459
FIGURE 10-1. SPECIAL OPTIONS.....	460
PART NUMBER INDEX	463

SECTION 1 - FRAME

SECTION 1 - FRAME

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



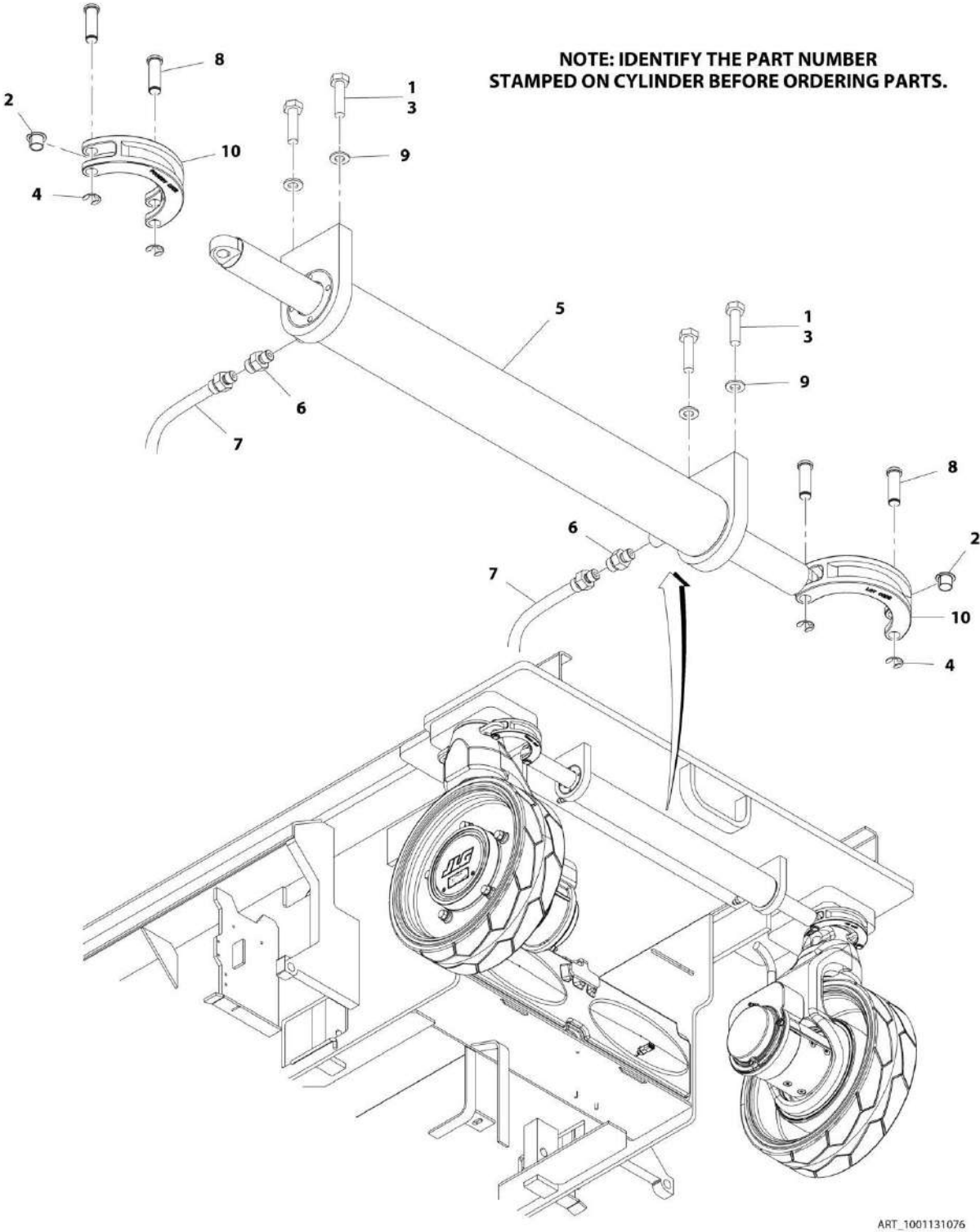
SECTION 1 - FRAME

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157328	Ref	STEERING INSTALLATION (USA AND MEXICO BUILT MACHINES)	B
1	0100011	AR	Compound, Locking	
2	0440259	2	Bearing	
3	0701016	4	Bolt M10 x 40	
4	1380153	4	Clip	
5	1001155851	1	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
6	2110404	2	Fitting, Straight ORFS/ORB	
7	2753883	2	Steering Hose Assembly	
8	3423037	4	Pin, Clevis	
9	4812000	4	Washer M10	
10	4846757	2	Lug, Steer	

SECTION 1 - FRAME

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



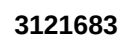
SECTION 1 - FRAME

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

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

18

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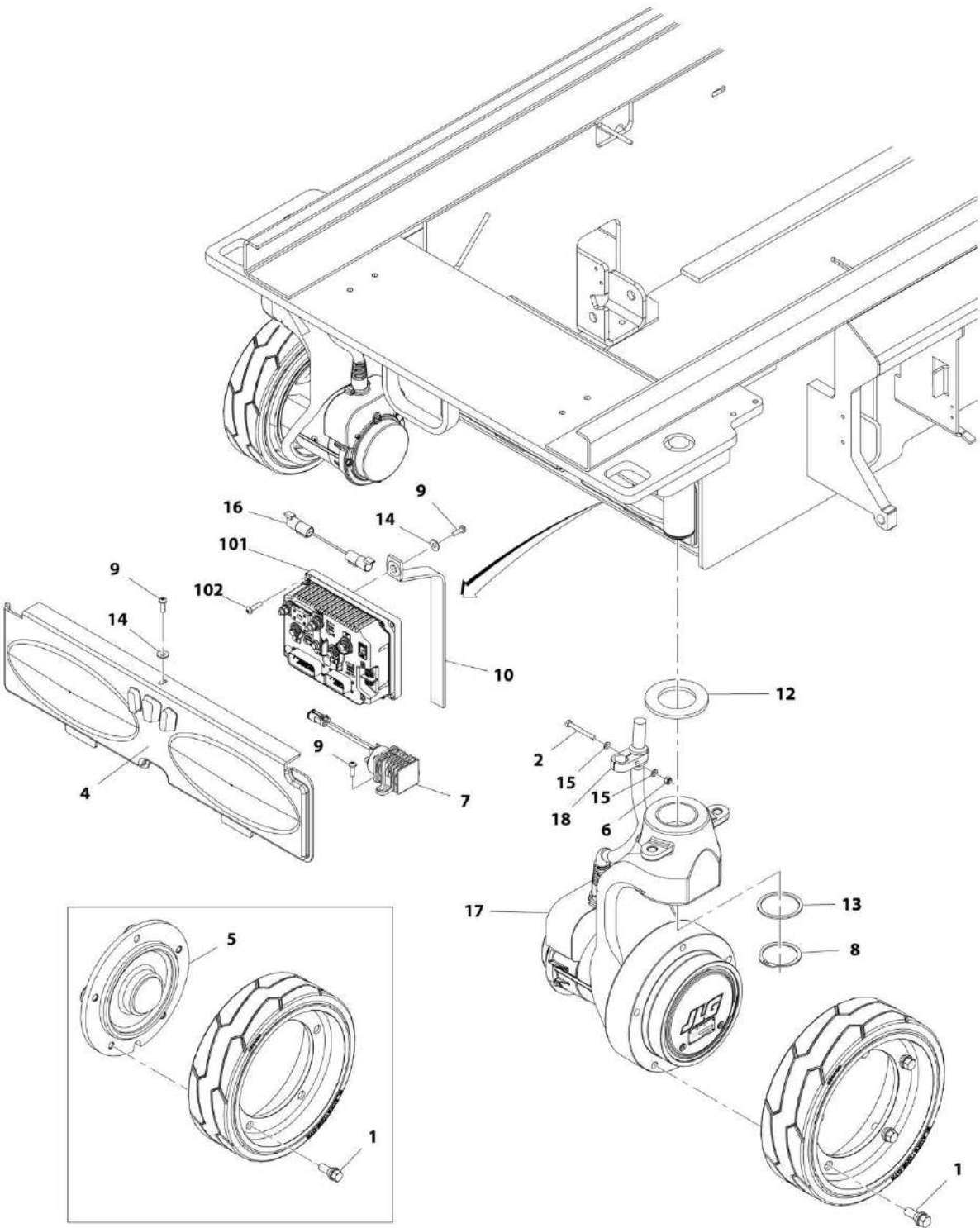
ART_1001117033

FIGURE 1-3. DRIVE HUB AND MODULE INSTALLATION

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

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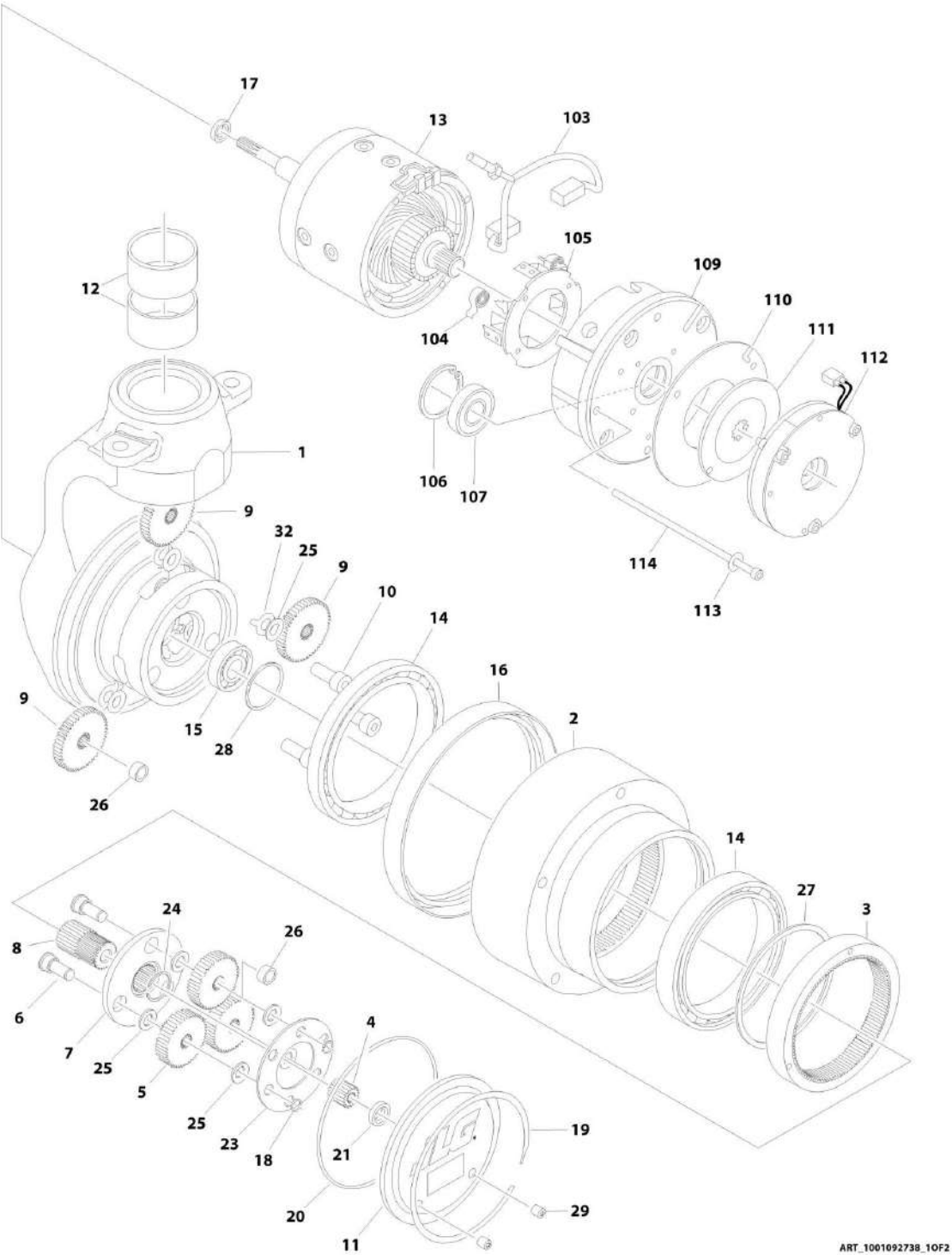
SECTION 1 - FRAME

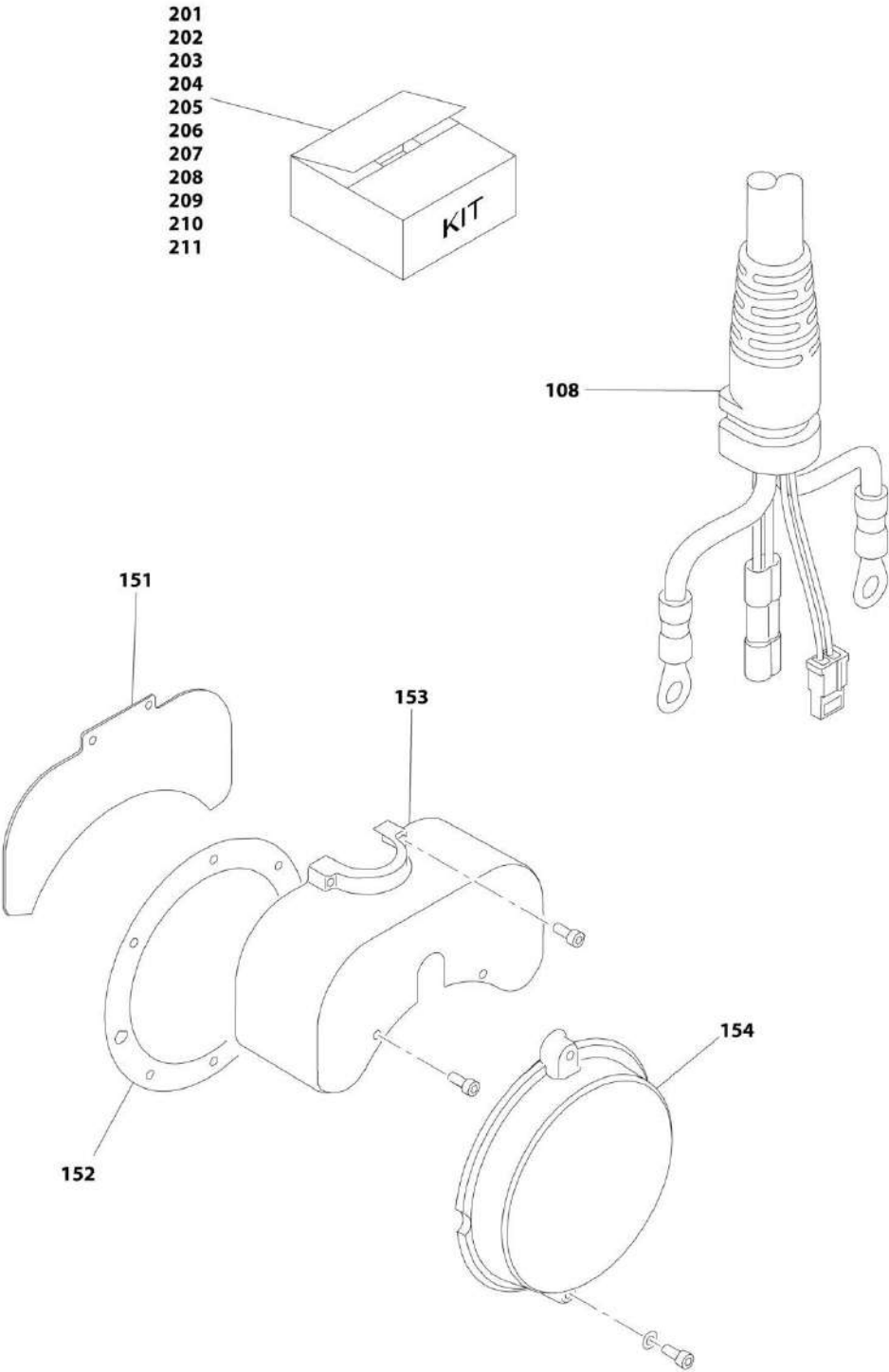
FIGURE 1-4. DRIVE HUB AND MODULE INSTALLATION (BELGIUM BUILT MACHINES ONLY)

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

SECTION 1 - FRAME

FIGURE 1-5. DRIVE MOTOR/HUB ASSEMBLY





ART_1001092738_2OF2

SECTION 1 - FRAME

FIGURE 1-5. DRIVE MOTOR/HUB ASSEMBLY

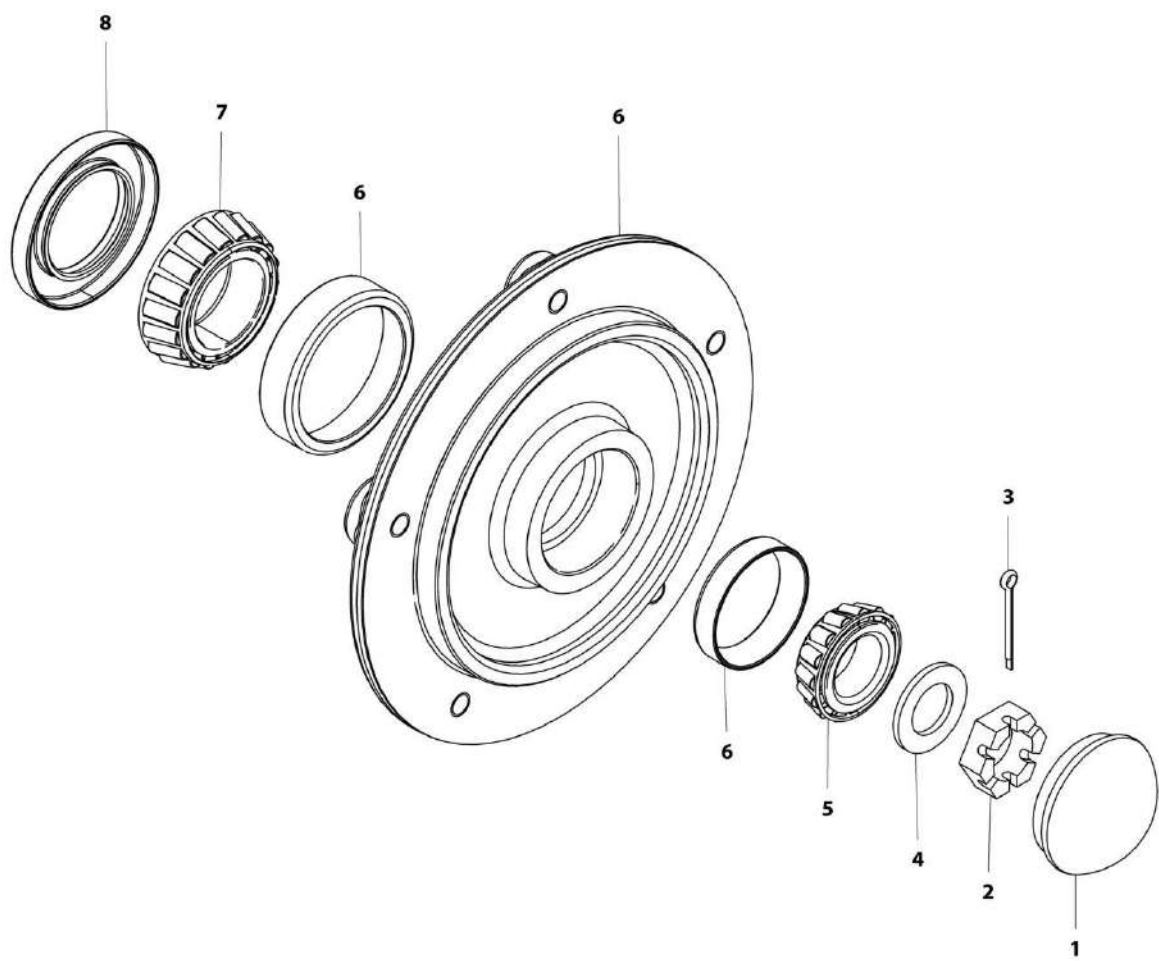
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001092738	Ref	DRIVE MOTOR/HUB ASSEMBLY	K
		Ref	HUB ASSEMBLY	
1	See Note	NSS	Spindle (Note: Purchase Complete Assembly)	
2	See Note	NSS	Hub (Note: Use Item 206)	
3	See Note	NSS	Ring, Input (Note: Use Item 204)	
4	See Note	NSS	Gear, Input Sun (Note: Use Item 203)	
5	See Note	NSS	Gear, Input Planet (Note: Use Item 203)	
6	See Note	NSS	Pin, Planet Gear (Note: Use Item 203)	
7	See Note	NSS	Carrier (Note: Use Item 203)	
8	See Note	NSS	Gear, Output Sun (Note: Use Item 203)	
9	See Note	NSS	Gear, Output Planet (Note: Use Item 207)	
10	See Note	NSS	Pin, Output Planet (Note: Use Item 207)	
11	See Note	NSS	Cover (Note: Use Item 201)	
12	7024757	1	Bushing Kit, Kingpin (Includes 2 Bushings)	
13	See Note	NSS	Motor, Electric (Note: Use Item 205)	
14	See Note	NSS	Bearing, Main (Note: Use Item 202, 204, 206 or 207)	
15	See Note	NSS	Bearing, Shaft (Note: Use Item 207)	
16	70001739	1	Seal, Lip	
17	7024786	1	Seal, Lip	
18	See Note	NSS	Ring, Retaining (Note: Use Item 203)	
19	See Note	NSS	Ring, Retaining (Note: Use Item 201)	
20	70000191	1	O-Ring	
21	See Note	NSS	Washer, Thrust (Note: Use Item 201)	
23	See Note	NSS	Plate, Thrust (Note: Use Item 203)	
24	See Note	NSS	Ring, Retaining (Note: Use Item 203)	
25	See Note	NSS	Washer, Thrust (Note: Use Item 203 or 207)	
26	See Note	NSS	Bushing (Note: Use Item 203 or 207)	
27	See Note	NSS	Ring, Retaining (Note: Use Item 204, 206 or 207)	
28	See Note	NSS	Ring, Retaining (Note: Use Item 207)	
29	See Note	NSS	Plug (Note: Use Item 201)	
32	See Note	NSS	Washer, Tanged (Note: Use Item 207)	
		Ref	BRAKE AND MOTOR COMPONENTS	
103	See Note	NSS	Brush and Terminal Assembly (Note: Use Item 208)	
104	70000790	2	Spring, Brush	
105	70000791	1	Box, Brush	
106	See Note	NSS	Ring, Retaining (Note: Use Item 208)	
107	See Note	NSS	Bearing (Note: Use Item 208)	
108	1001132439	1	Harness, Drive Motor (See 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	70001345	1	Motor Kit (Includes Items 13,17,103-114,151, 152 & 154)	
206	7024756	1	Hub Kit (Includes Items 2, 16, 20, 27 & Qty 1 of Item 14)	
207	7024750	1	Output Planet Kit (Includes Items 9, 10, 15, 20, 25-28, 32 & Qty 1 of Item 14)	
208	7024771	1	Motor Brush and Bearing Kit (Includes Items 103, 106 & 107)	
209	7024772	1	Brake Kit (Includes Items 110, 111 & 112)	
210	7024776	1	Motor Hardware Kit (Includes Items 113 & 114)	
211	70001265	1	Brake Cover Kit (Includes Items 151, 152 & 154)	

SECTION 1 - FRAME

FIGURE 1-6. HUB ASSEMBLY - REAR



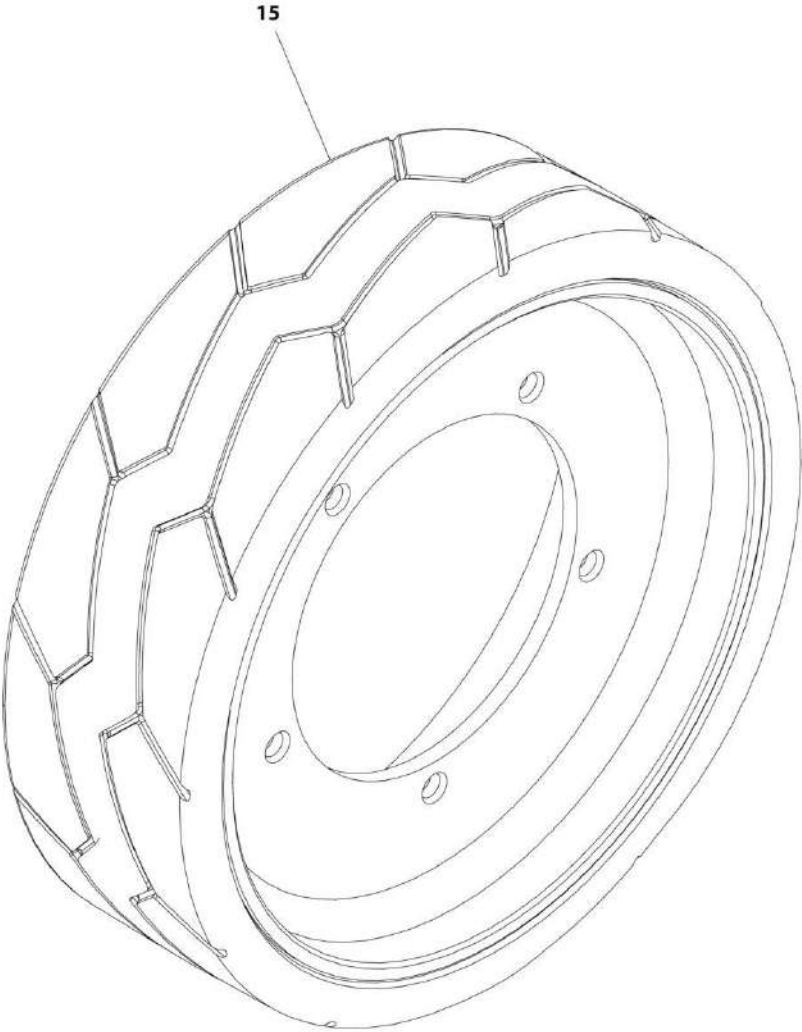
ART_2780266

FIGURE 1-6. HUB ASSEMBLY - REAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780266	Ref	HUB ASSEMBLY - REAR	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



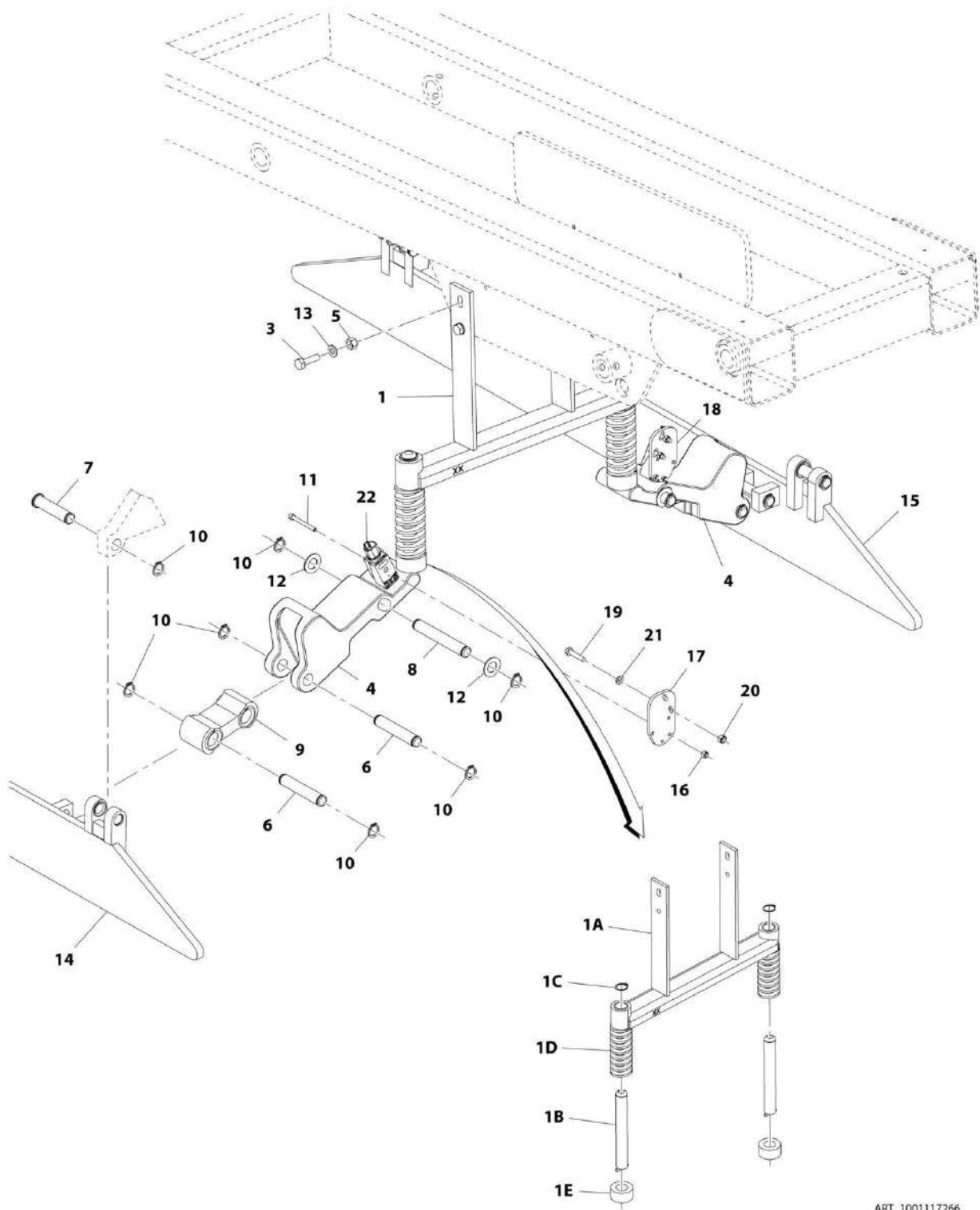
ART_1001114466

FIGURE 1-7. TIRE AND WHEEL ASSEMBLY

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

SECTION 1 - FRAME

FIGURE 1-8. POTHOLE PROTECTION INSTALLATION - NON-UL



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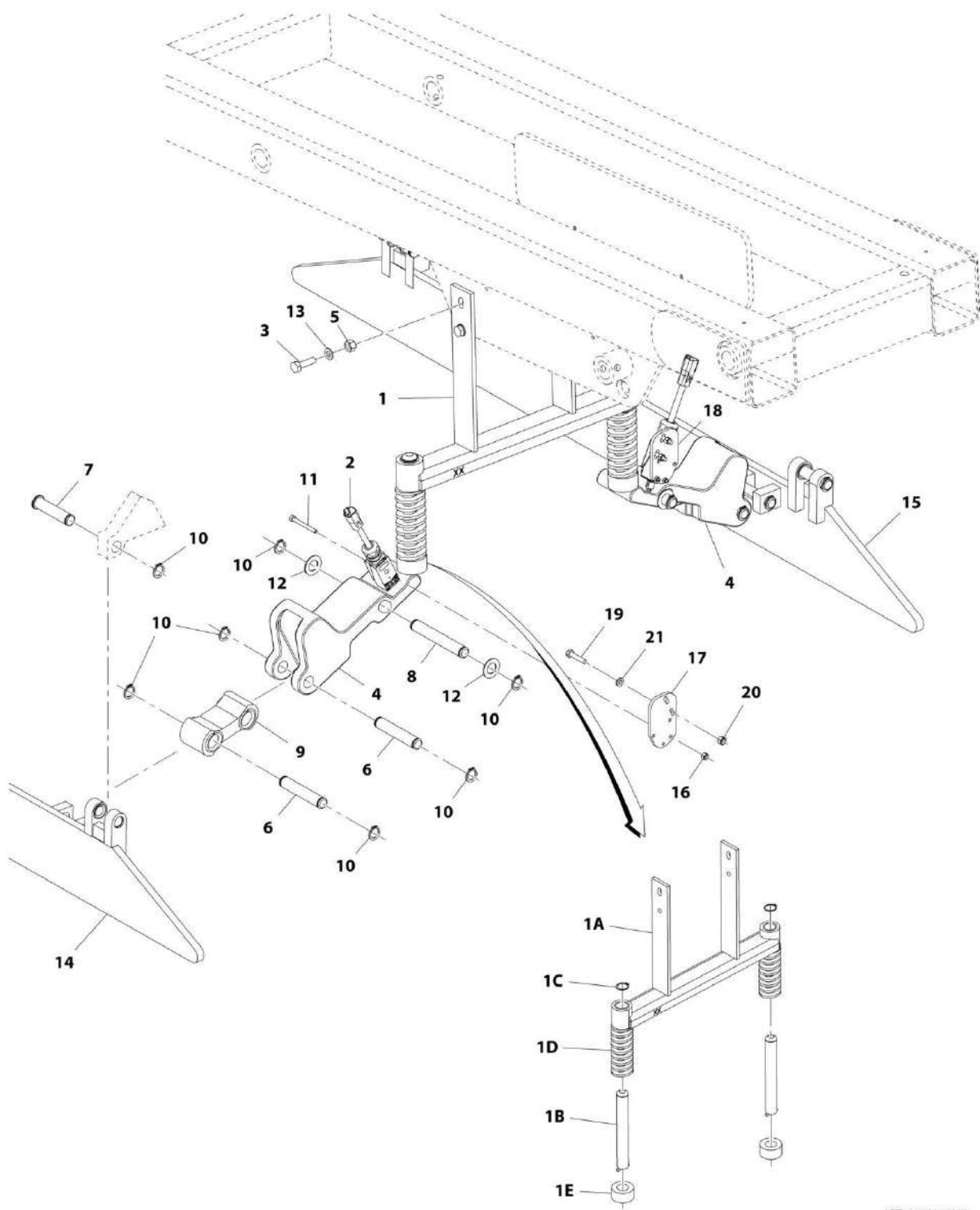
SECTION 1 - FRAME

FIGURE 1-8. POTHOLE PROTECTION INSTALLATION - NON-UL

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

SECTION 1 - FRAME

FIGURE 1-9. POTHOLE PROTECTION INSTALLATION - UL



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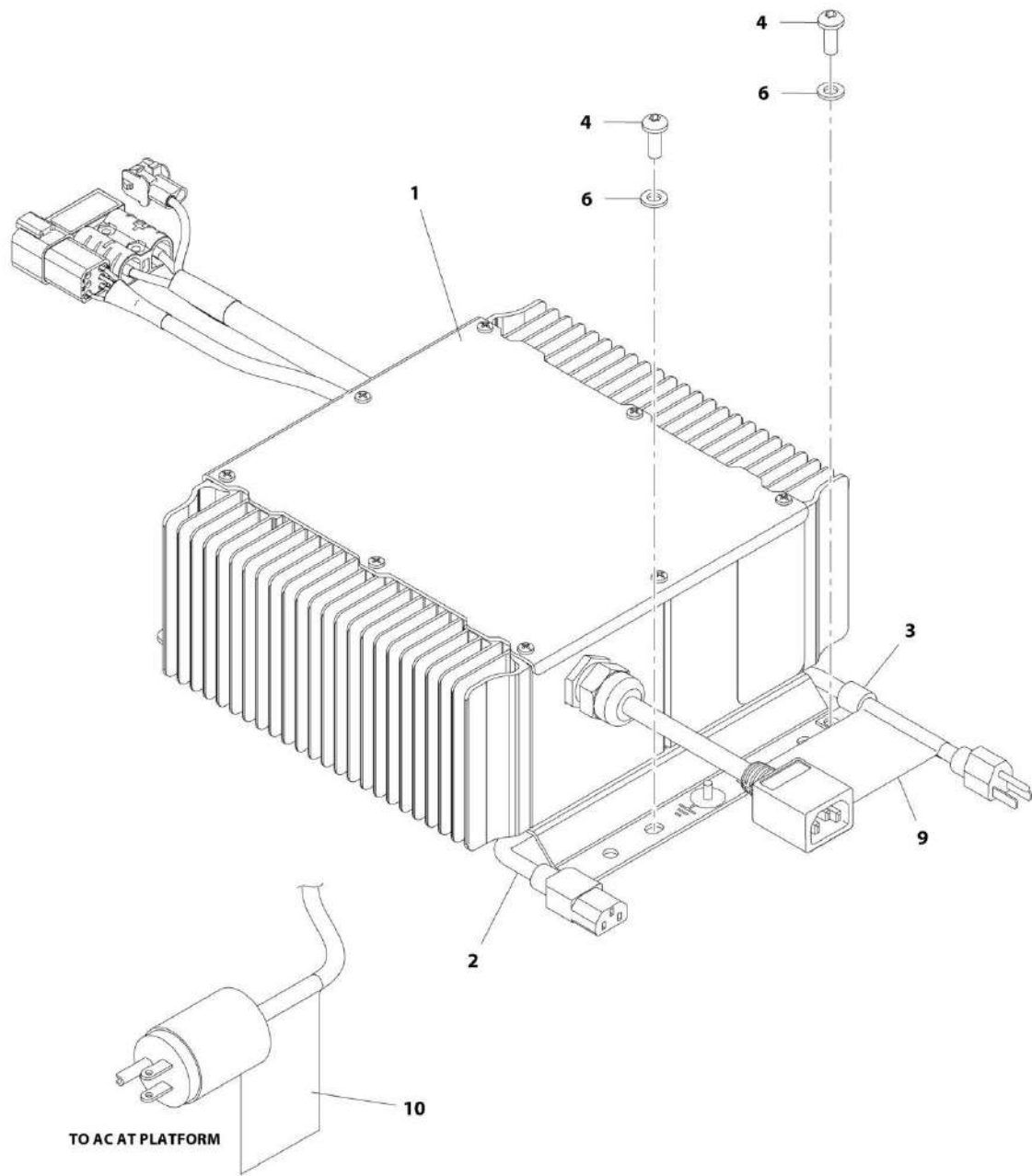
SECTION 1 - FRAME

FIGURE 1-9. POTHOLE PROTECTION INSTALLATION - UL

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

SECTION 1 - FRAME

FIGURE 1-10. BATTERY CHARGER INSTALLATION WITH 110V PLUG AND DELTA-Q CHARGER
(ANSI, ANSI EXPORT, CSA, JAPANESE AND UL SPECS)



ART_0272874

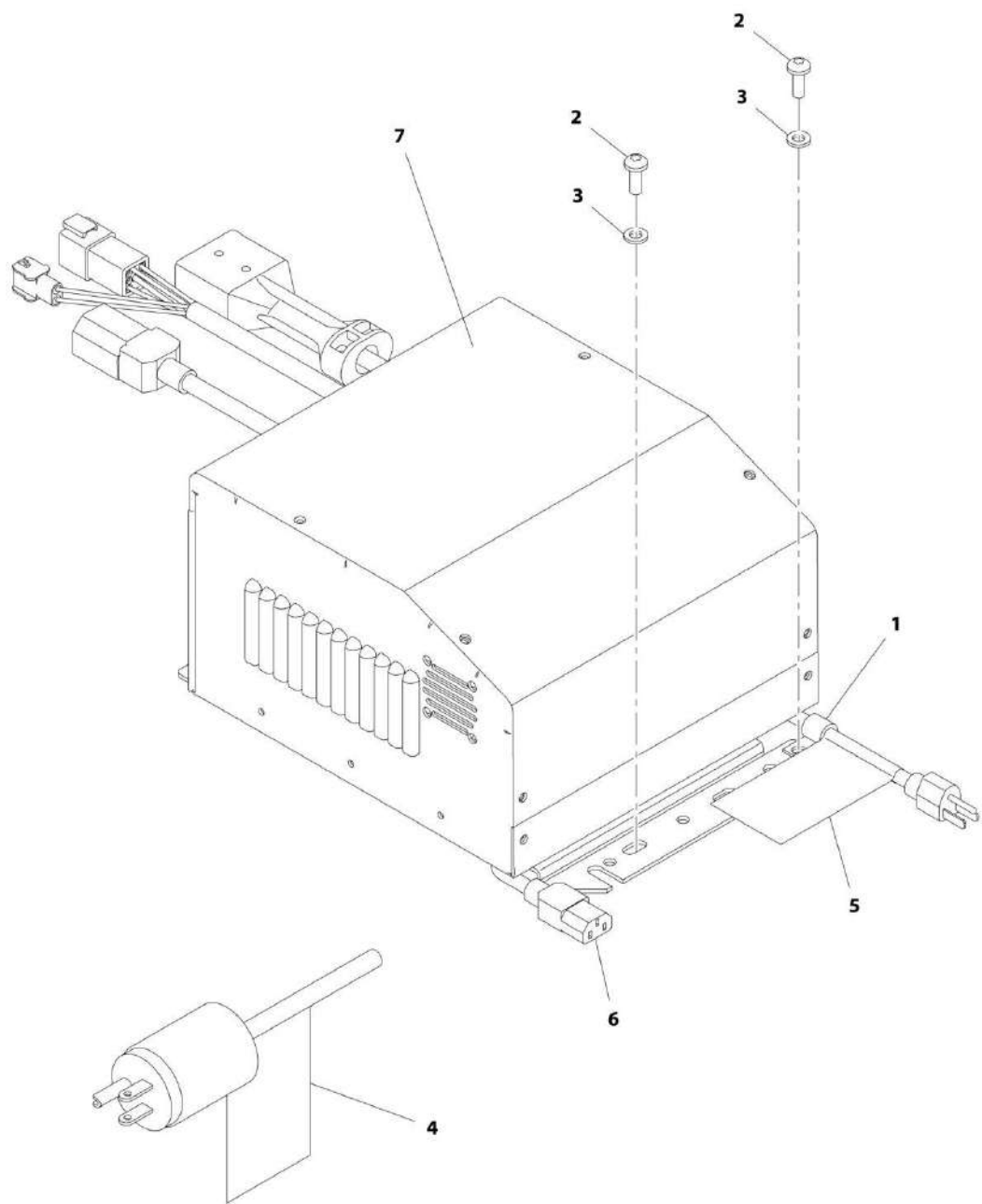
SECTION 1 - FRAME

**FIGURE 1-10. BATTERY CHARGER INSTALLATION WITH 110V PLUG AND DELTA-Q CHARGER
(ANSI, ANSI EXPORT, CSA, JAPANESE AND UL SPECS)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272874	Ref	BATTERY CHARGER INSTALLATION WITH 110V PLUG AND DELTA-Q CHARGER (ANSI, ANSI EXPORT, CSA, JAPANESE AND UL SPECS)	N
1	1001112111	1	Battery Charger Assembly (See BATTERY CHARGER ASSEMBLY - DELTA-Q for Breakdown)	
2	1001103257	1	Cable, Charger (AC Input)	
3	1321293	1	Clamp	
4	4191707	2	Screw M6 x 16	
6	4811700	2	Washer M6	
9	1001102489	1	Decal - Charger Plug (SN 0200239382 through 0200257822, SN B200020297 through B200037370, SN M200000100 through M200002934)	
9	1001215870	1	Decal - Charger Plug (SN 0200257823 to Present, SN B200037371 to Present, SN M200002935 to Present)	
10	1001102258	1	Decal - AC to Platform	
11	1001112113	1	Sensor, Temperature (Not Shown - Located on Negative Battery Terminal) (SN 0200266434 to Present, SN B200045240 to Present, SN M200014363 to Present)	

SECTION 1 - FRAME

FIGURE 1-11. BATTERY CHARGER INSTALLATION WITH 110V PLUG AND EAGLE PERFORMANCE CHARGER (ANSI AND CSA SPECS)



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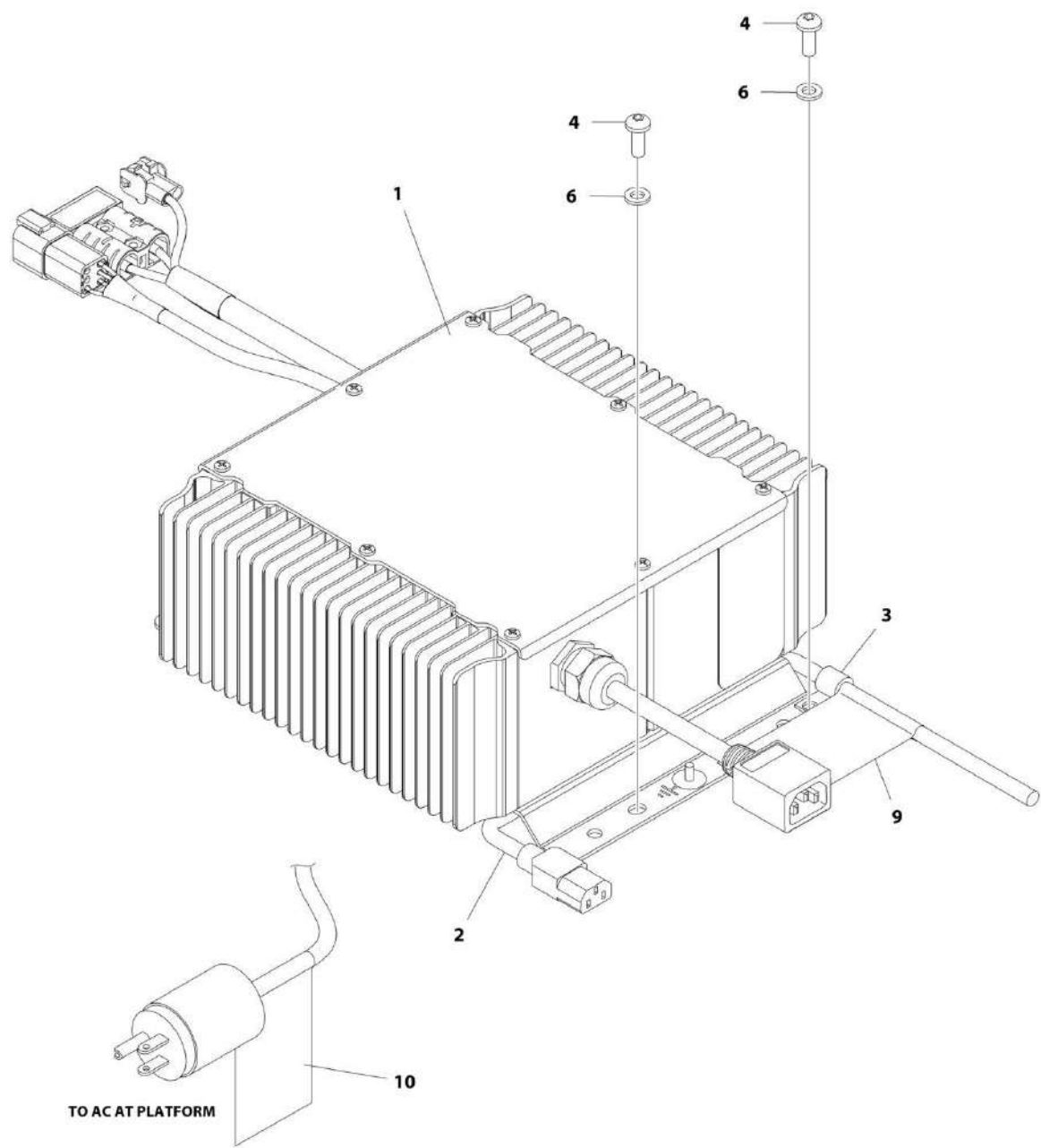
SECTION 1 - FRAME

FIGURE 1-11. BATTERY CHARGER INSTALLATION WITH 110V PLUG AND EAGLE PERFORMANCE CHARGER (ANSI AND CSA SPECS)

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

SECTION 1 - FRAME

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



ART_0272875

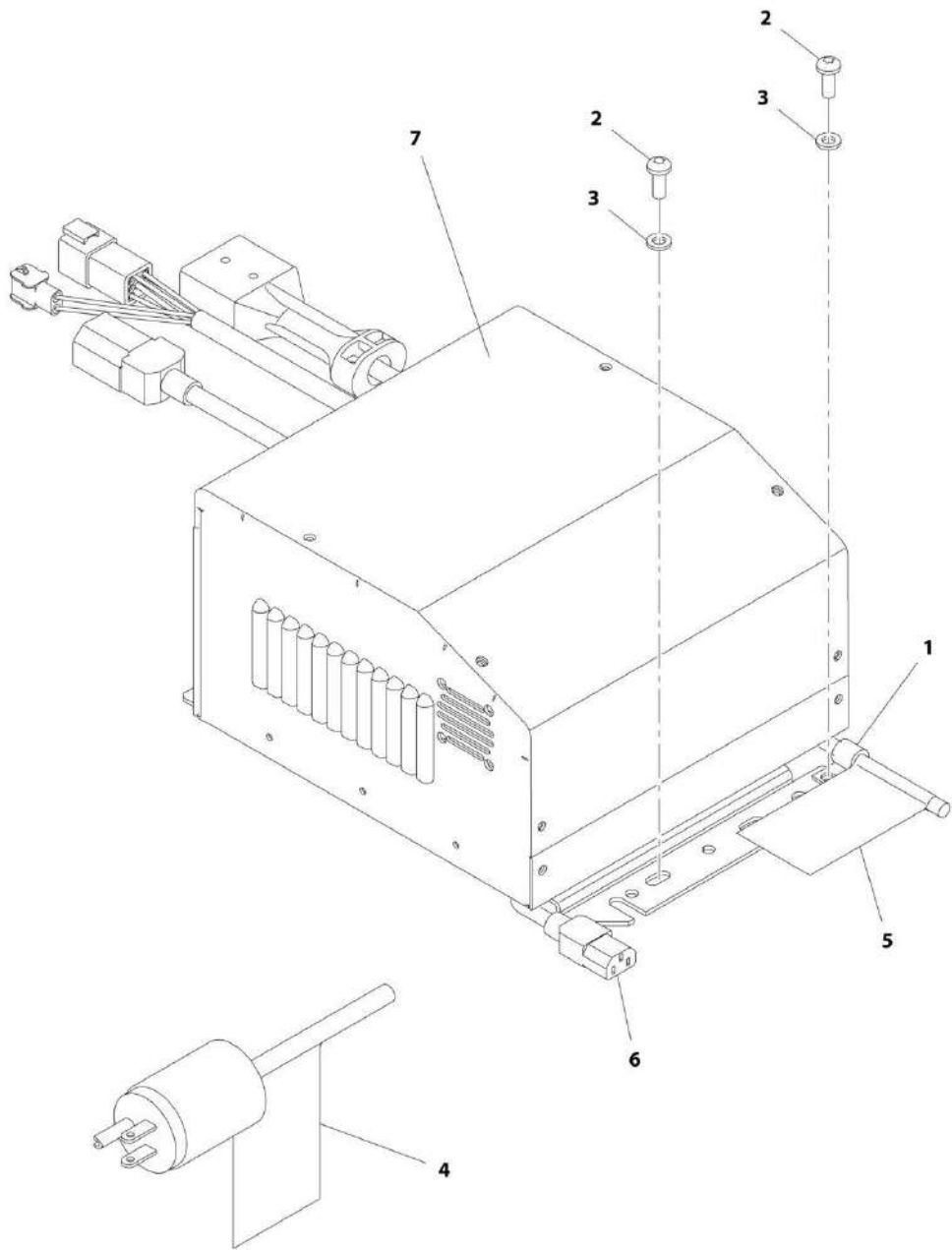
SECTION 1 - FRAME

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272875	Ref	BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG AND DELTA-Q CHARGER (ANSI, ANSI EXPORT, CSA AND CE SPECS)	N
1	1001112111	1	Battery Charger Assembly (See BATTERY CHARGER ASSEMBLY - DELTA-Q for Breakdown)	
2	1001103258	1	Cable, Charger (AC Input)	
3	1320136	1	Clamp (USA Built Machines)	
3	1321293	1	Clamp	
4	4191707	2	Screw M6 x 16	
6	4811700	2	Washer M6	
9	1001102489	1	Decal - Charger Plug (SN 0200239382 through 0200257822, SN B200020297 through B200037370, SN M200000100 through M200002934)	
9	1001215870	1	Decal - Charger Plug (SN 0200257823 to Present, SN B200037371 to Present, SN 1200025021 to Present, SN M200002835 to Present)	
10	1001102258	1	Decal - AC to Platform	
11	1001112113	1	Sensor, Temperature (Not Shown - Located on Negative Battery Terminal) (SN 0200266434 to Present, SN 1200026952 to Present, SN B200045240 to Present, SN M200014363 to Present)	

SECTION 1 - FRAME

FIGURE 1-13. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG AND EAGLE PERFORMANCE CHARGER (ANSI AND CSA SPECS)



ART_1001180312

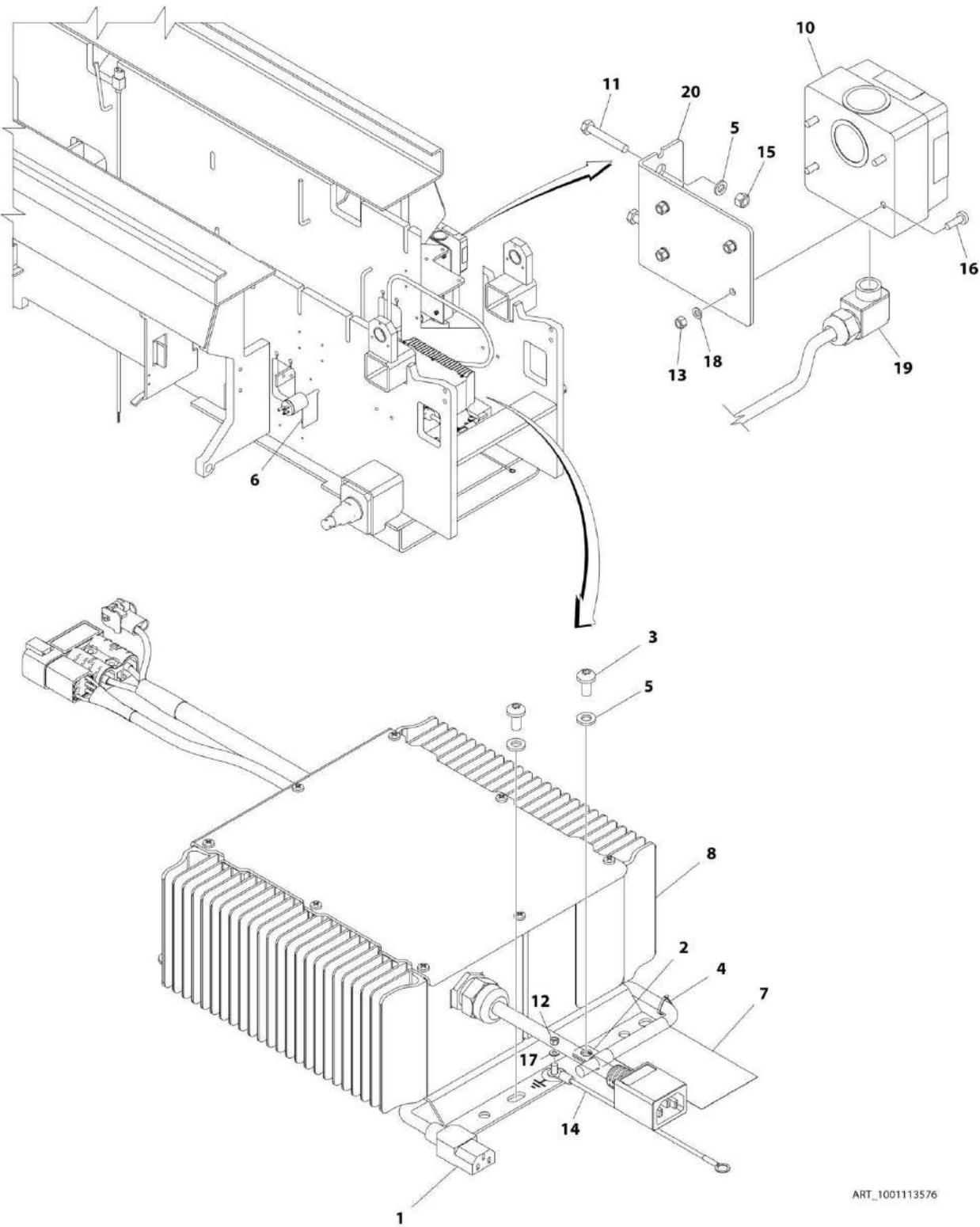
SECTION 1 - FRAME

FIGURE 1-13. BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG AND EAGLE PERFORMANCE CHARGER (ANSI AND CSA SPECS)

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

SECTION 1 - FRAME

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



ART_1001113576

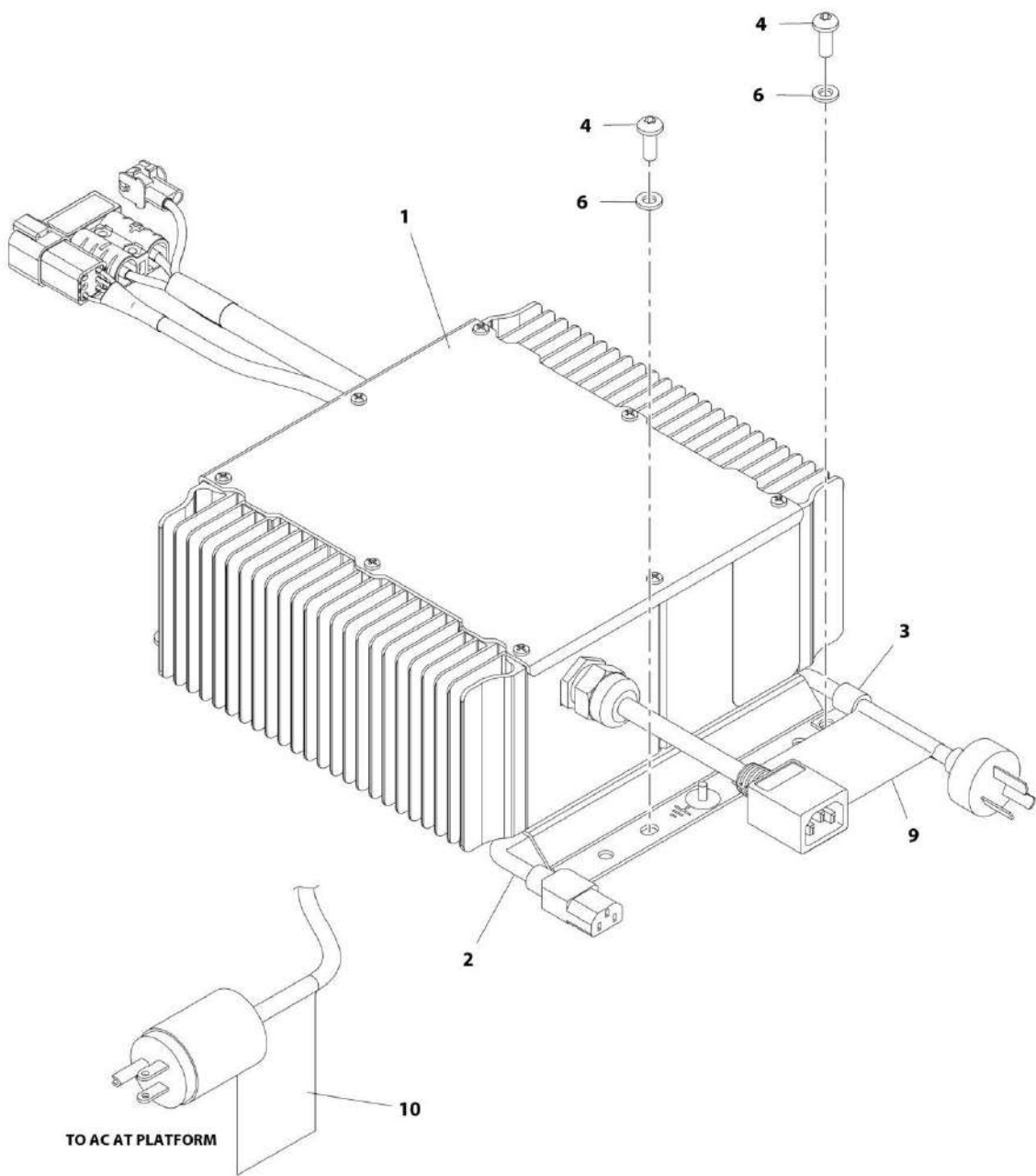
SECTION 1 - FRAME

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001113576	Ref	BATTERY CHARGER INSTALLATION WITH LOCALLY SUPPLIED PLUG (AUSTRALIAN SPEC)	G
1	1060689	1	Cable, Charger (AC Input)	
2	1320136	1	Clamp (USA Built Machines)	
2	1321293	1	Clamp	
3	4191707	2	Screw M6 x 16	
4	4240033	2	Tie-Strap	
5	4811700	AR	Washer M6	
6	1001102258	1	Decal - AC to Platform	
7	1001102489	1	Decal - Charger Plug (SN 0200239382 through 0200257822, SN B200020297 through B200037370, SN M200000100 through M200002934)	
7	1001215870	1	Decal - Charger Plug (SN 0200257823 to Present, SN B200037371 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 B200045240 to Present, SN M200014363 to Present)	
10	1001227267	1	Electric Assembly (SN B200052307 to Present, SN M200022372 to Present)	
11	0700616	4	Bolt M6 x 40	
12	3290405	1	Nut M4	
13	3290505	8	Nut M5	
14	1001227219	1	Earth/Ground Harness (SN B200052307 to Present, SN M200022372 to Present)	
15	3290605	4	Nut M6	
16	3900381	8	Screw M5 x 16	
17	4811400	1	Washer M4	
18	4831600	8	Washer M5	
19	1001103471	1	Connector, Strain Relief (SN B200052307 to Present, SN M200022372 to Present)	
20	1001227213	1	Bracket (SN B200052307 to Present, SN M200022372 to Present)	

SECTION 1 - FRAME

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



ART_1001172008

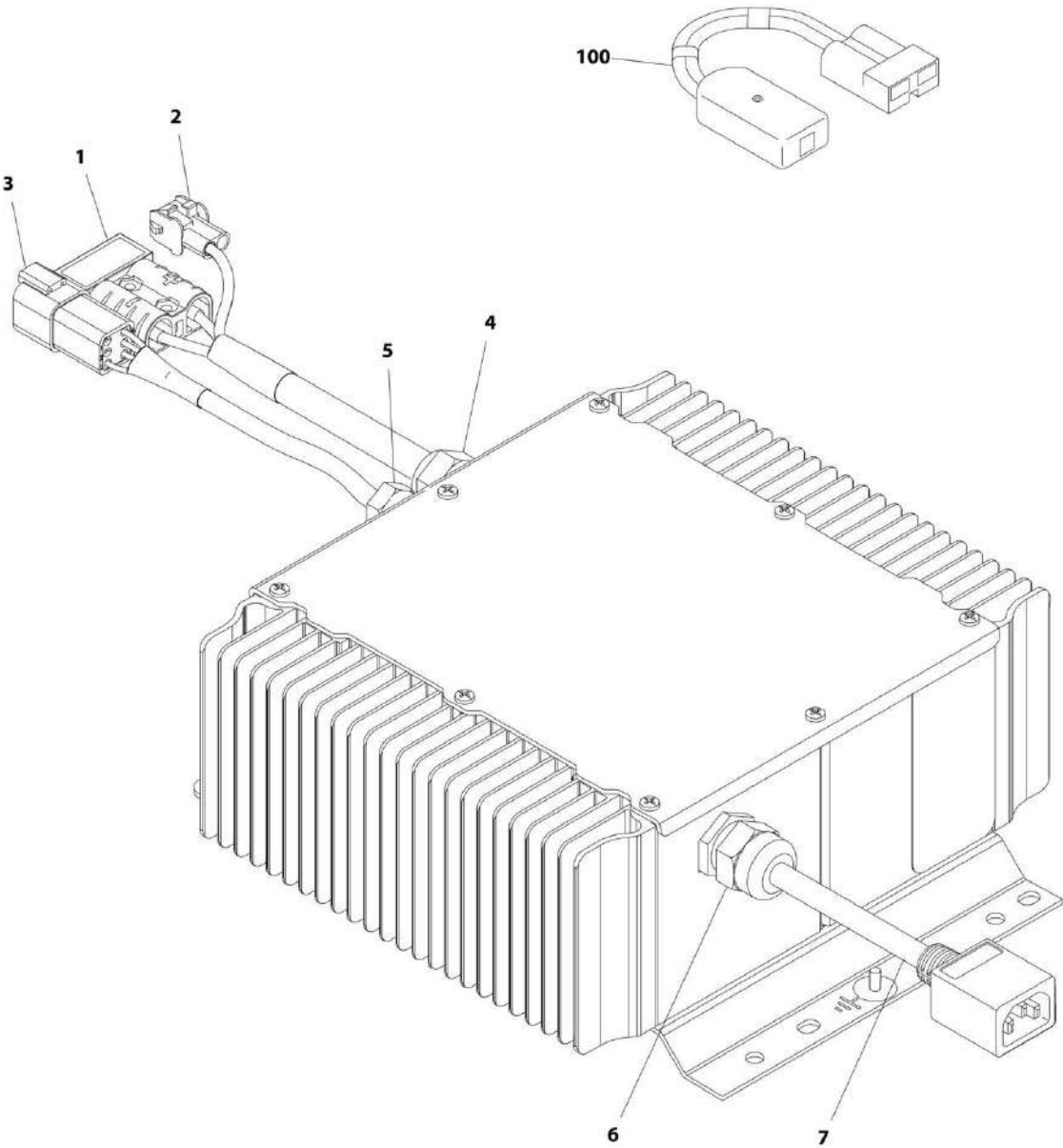
SECTION 1 - FRAME

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172008	Ref	BATTERY CHARGER INSTALLATION WITH CHINESE PLUG (CHINESE SPEC)	E
1	1001112111	1	Battery Charger Assembly (See BATTERY CHARGER ASSEMBLY - DELTA-Q for Breakdown)	
2	1001172010	1	Cable, Charger (AC Input)	
3	1321293	1	Clamp	
4	4191707	2	Screw M6 x 16	
6	4811700	2	Washer M6	
9	1001102489	1	Decal - Charger Plug (SN 0200239382 through 0200257822, SN B200020297 through B200037370, SN M200000100 through M200002934)	
9	1001215870	1	Decal - Charger Plug (SN 0200257823 to Present, SN M200002935 to Present)	
10	1001102258	1	Decal - AC to Platform	
11	1001112113	1	Sensor, Temperature (Not Shown - Located on Negative Battery Terminal) (SN 0200266434 to Present, SN 1200026952 to Present, SN B200045240 to Present, SN M200014363 to Present)	

SECTION 1 - FRAME

FIGURE 1-16. BATTERY CHARGER ASSEMBLY - DELTA-Q



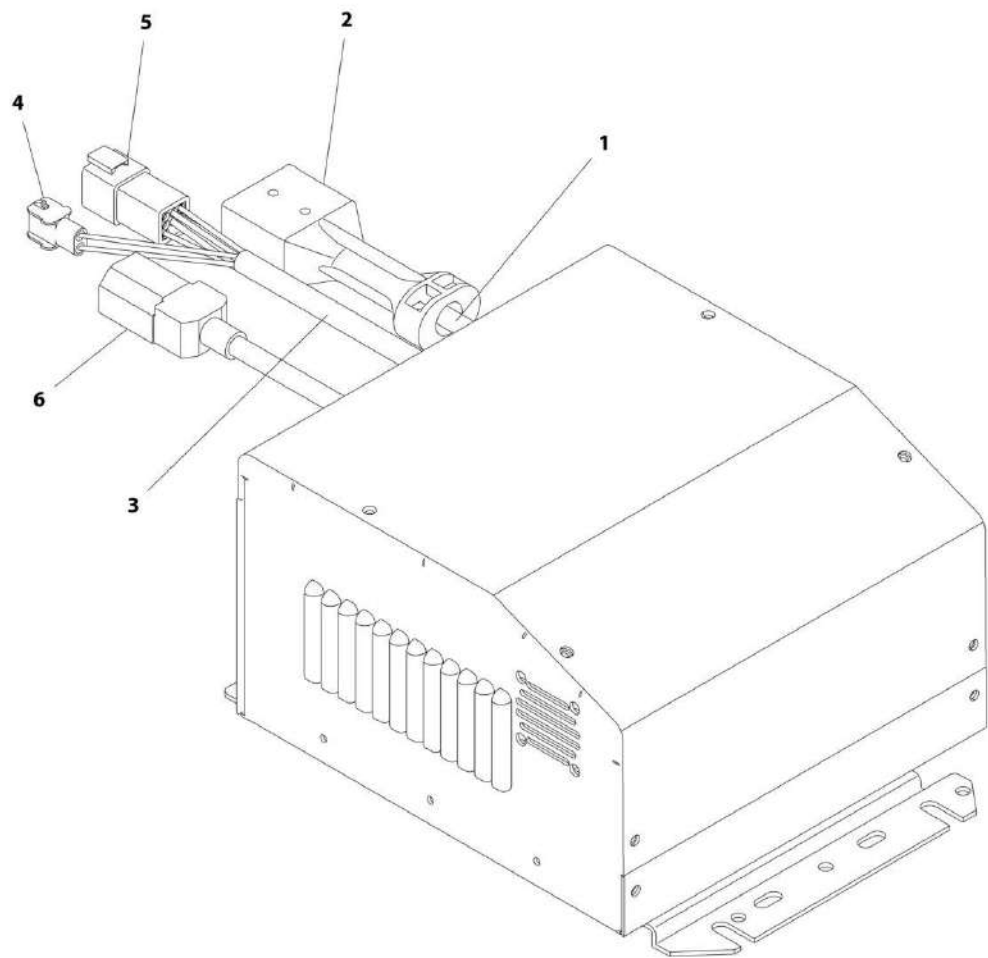
ART_1001112111

FIGURE 1-16. 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 Cable	
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 1-17. BATTERY CHARGER ASSEMBLY - EAGLE PERFORMANCE



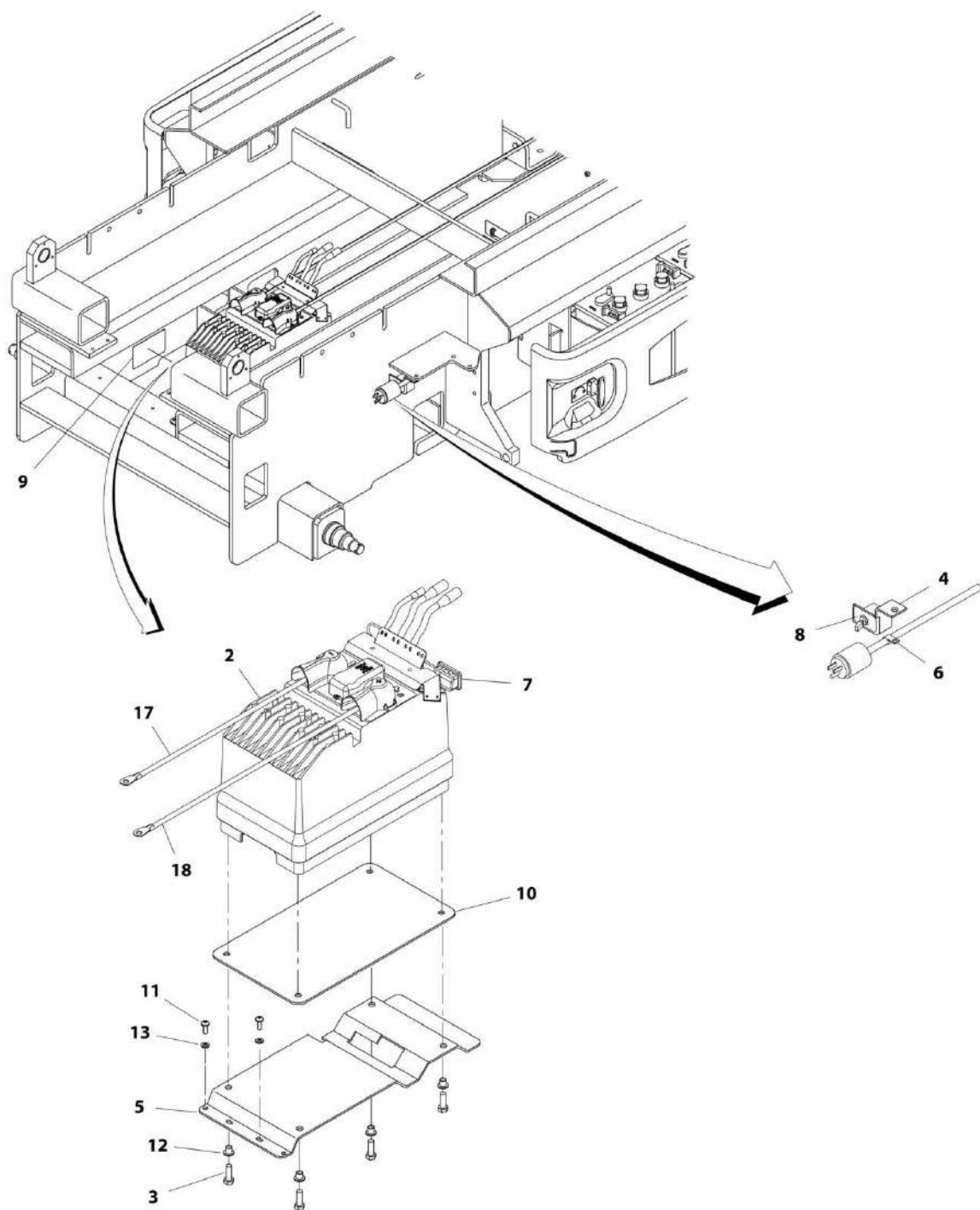
ART_1001177842

FIGURE 1-17. 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 1-18. CHARGER (INVERTER) INSTALLATION (ANSI, ANSI EXPORT, CSA SPECS)



ART_0275105

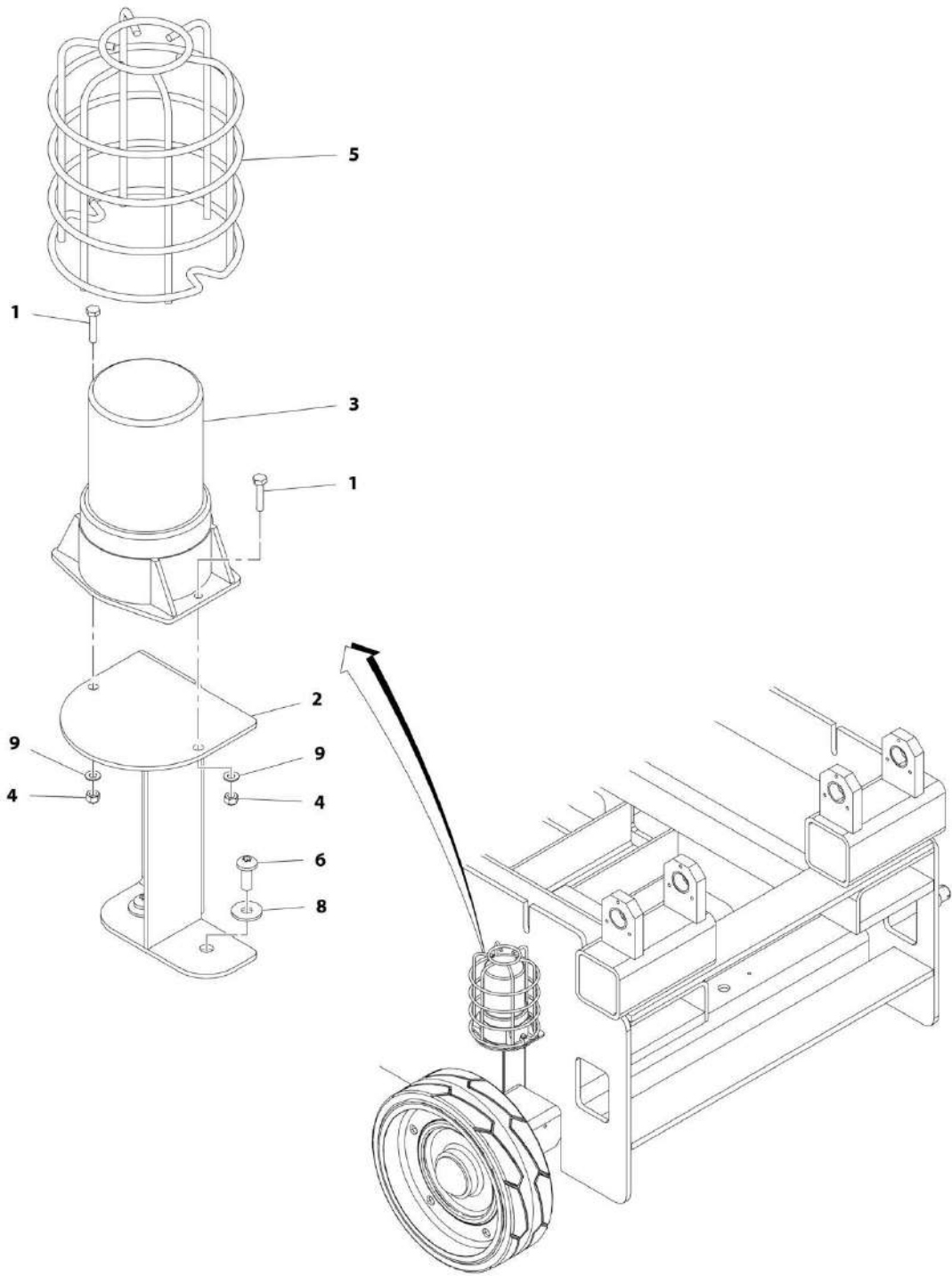
SECTION 1 - FRAME

FIGURE 1-18. CHARGER (INVERTER) INSTALLATION (ANSI, ANSI EXPORT, CSA SPECS)

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

SECTION 1 - FRAME

FIGURE 1-19. BEACON (AMBER) LIGHT INSTALLATION (OPTIONAL)



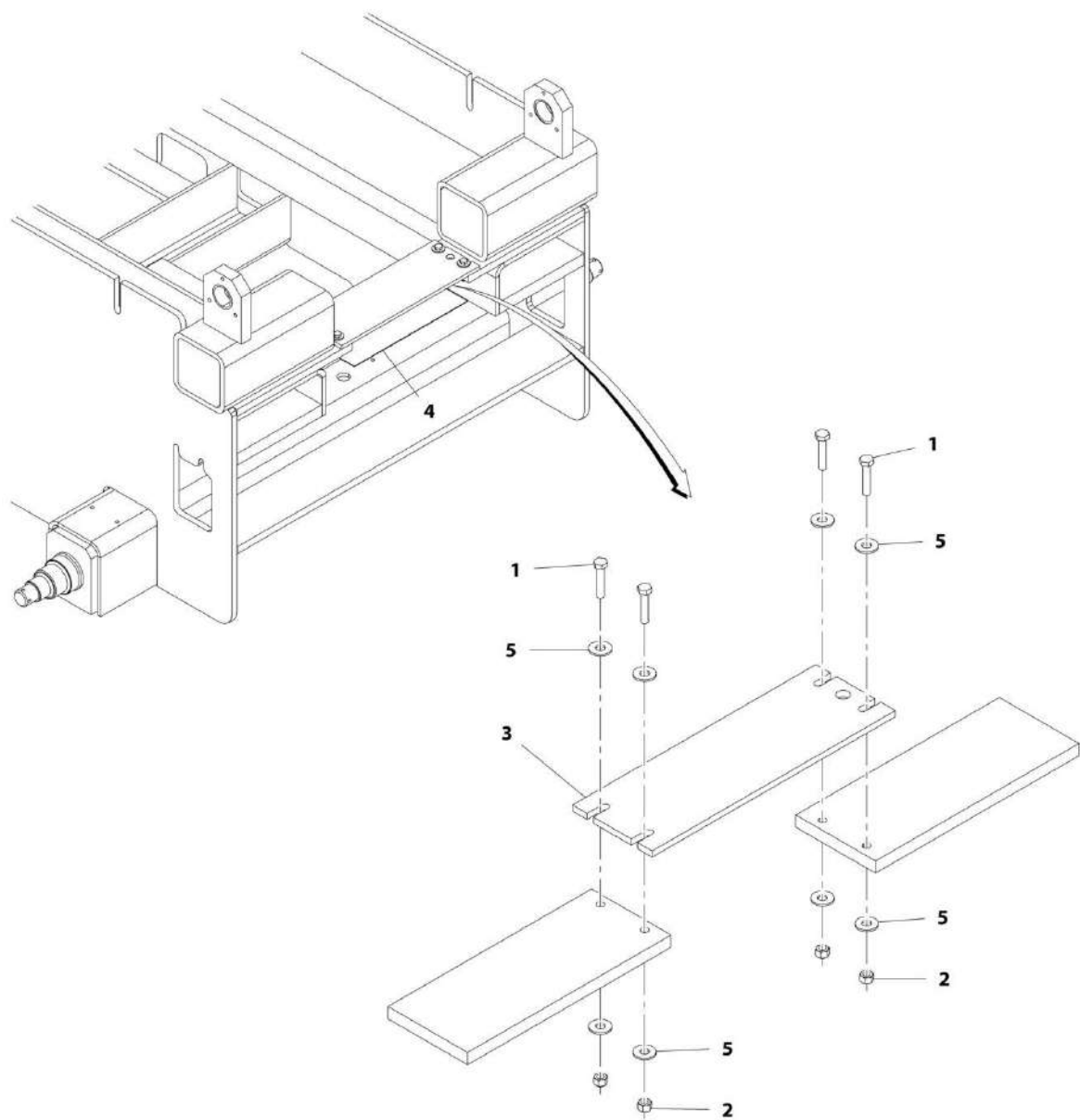
ART_0272980

FIGURE 1-19. BEACON (AMBER) LIGHT INSTALLATION (OPTIONAL)

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

SECTION 1 - FRAME

FIGURE 1-20. LADDER INSTALLATION



ART_1001177412

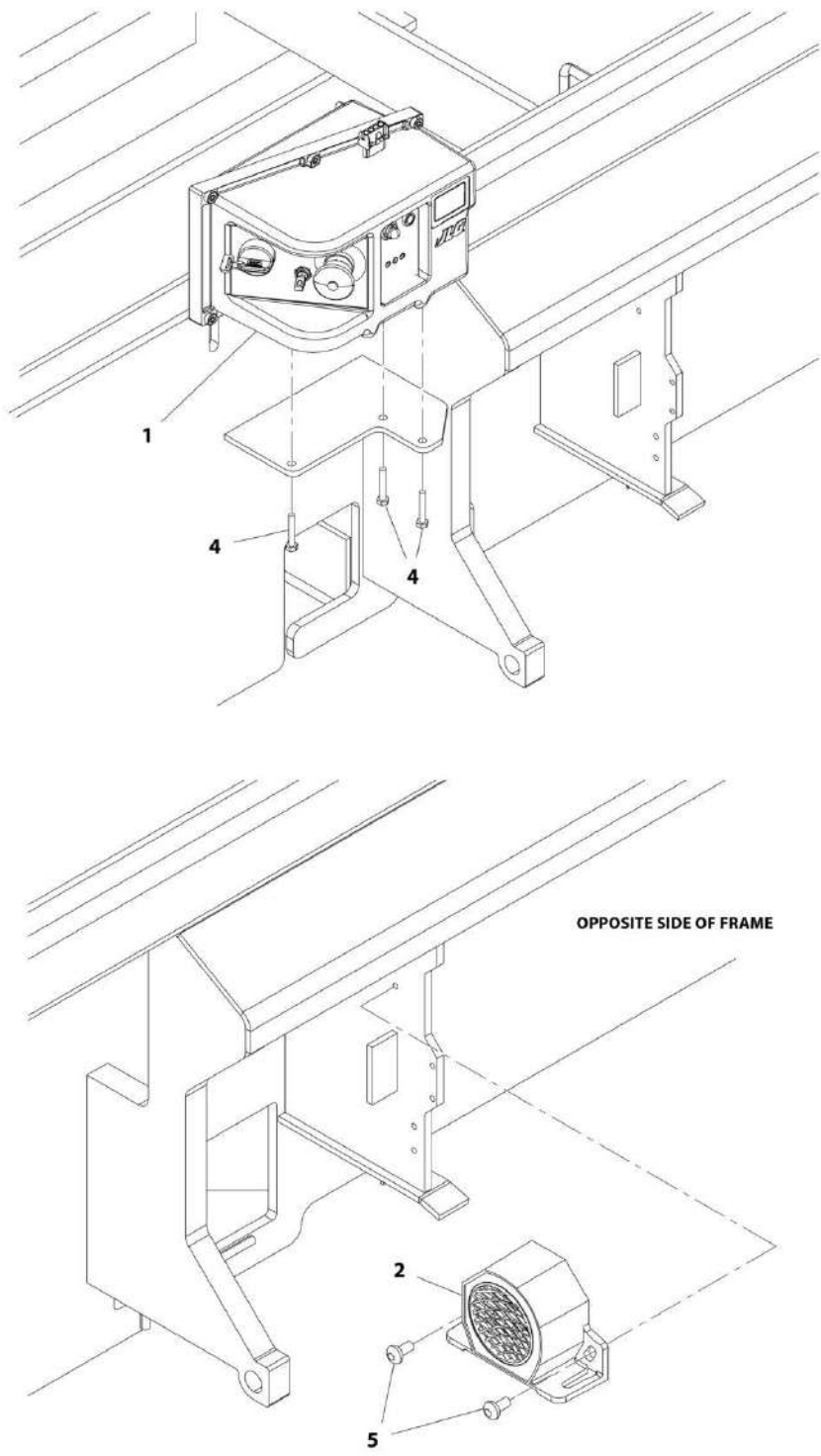
FIGURE 1-20. LADDER INSTALLATION

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

SECTION 2 - GROUND COMPONENTS

SECTION 2 - GROUND COMPONENTS

FIGURE 2-1. GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN 0200239382 to Present, SN B200023346 to Present, SN M200000100 to Present)



ART_1001166823

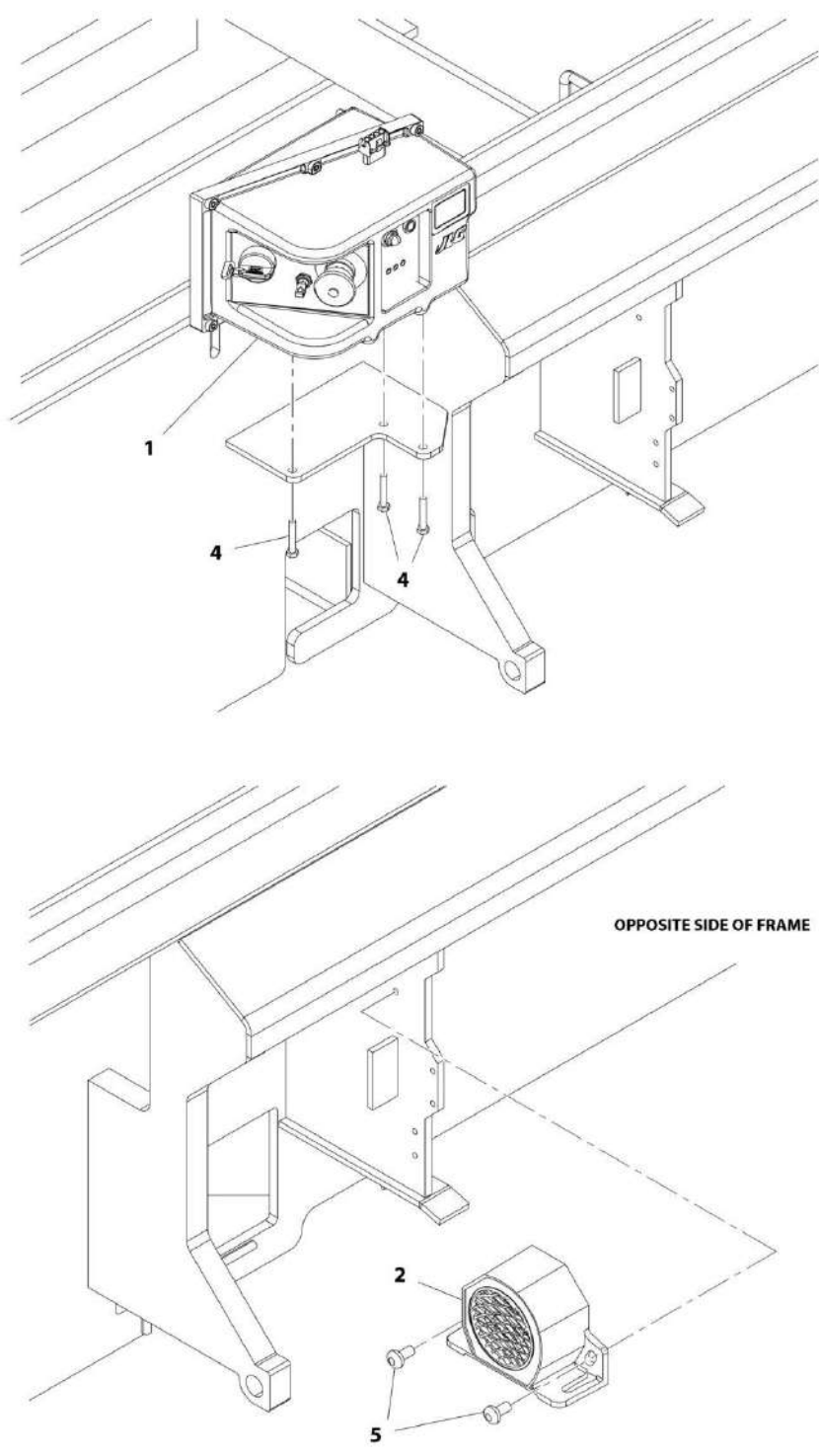
SECTION 2 - GROUND COMPONENTS

FIGURE 2-1. GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN 0200239382 to Present, SN B200023346 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 B200023346 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	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 B200023345)



ART_1001114885

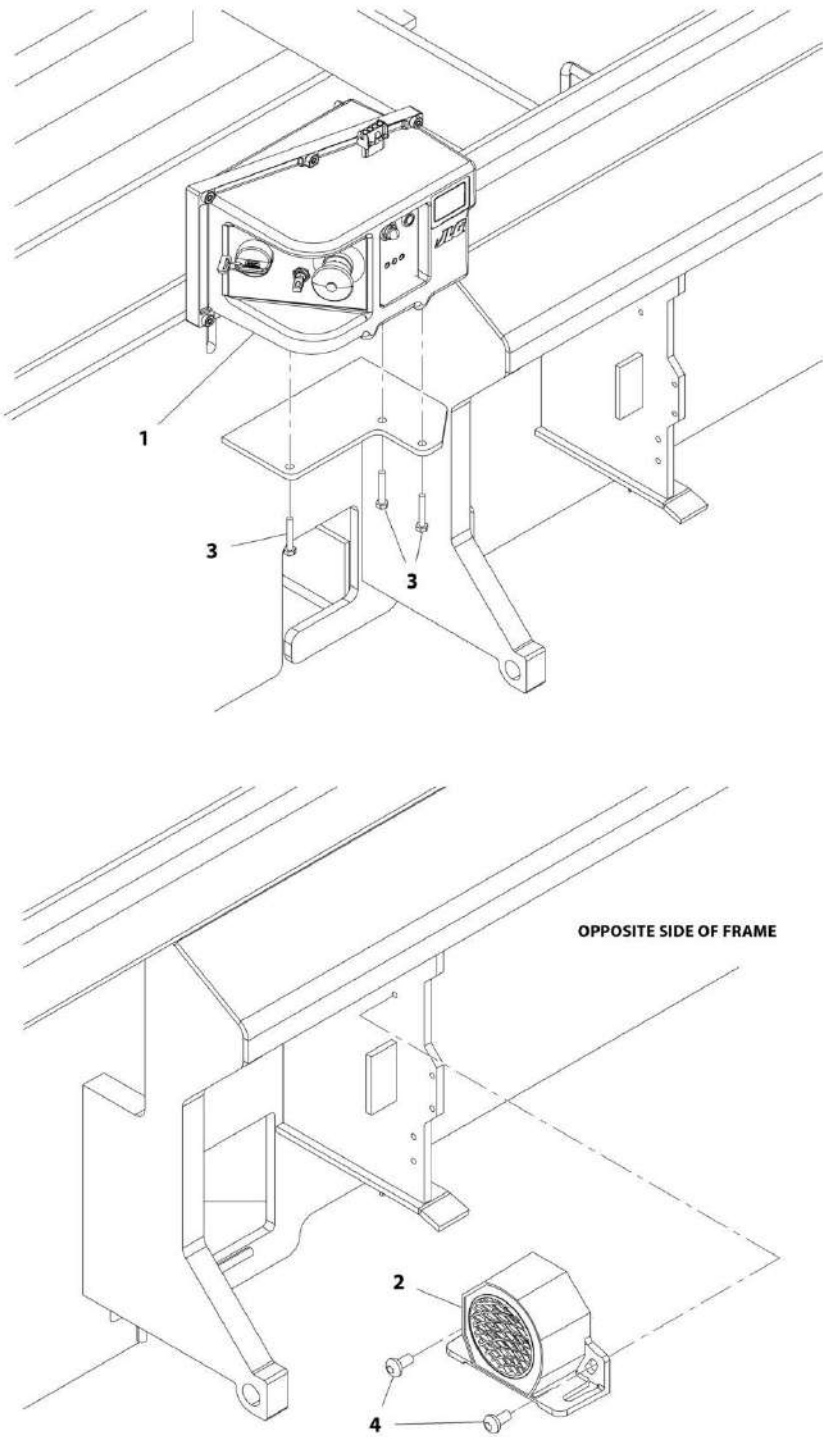
SECTION 2 - GROUND COMPONENTS

FIGURE 2-2. GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN B200020297 through B200023345)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114885	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - NO LSS (SN B200020297 through B200023345) 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 B200023346 to Present, SN M200000100 to Present)



ART_1001166828

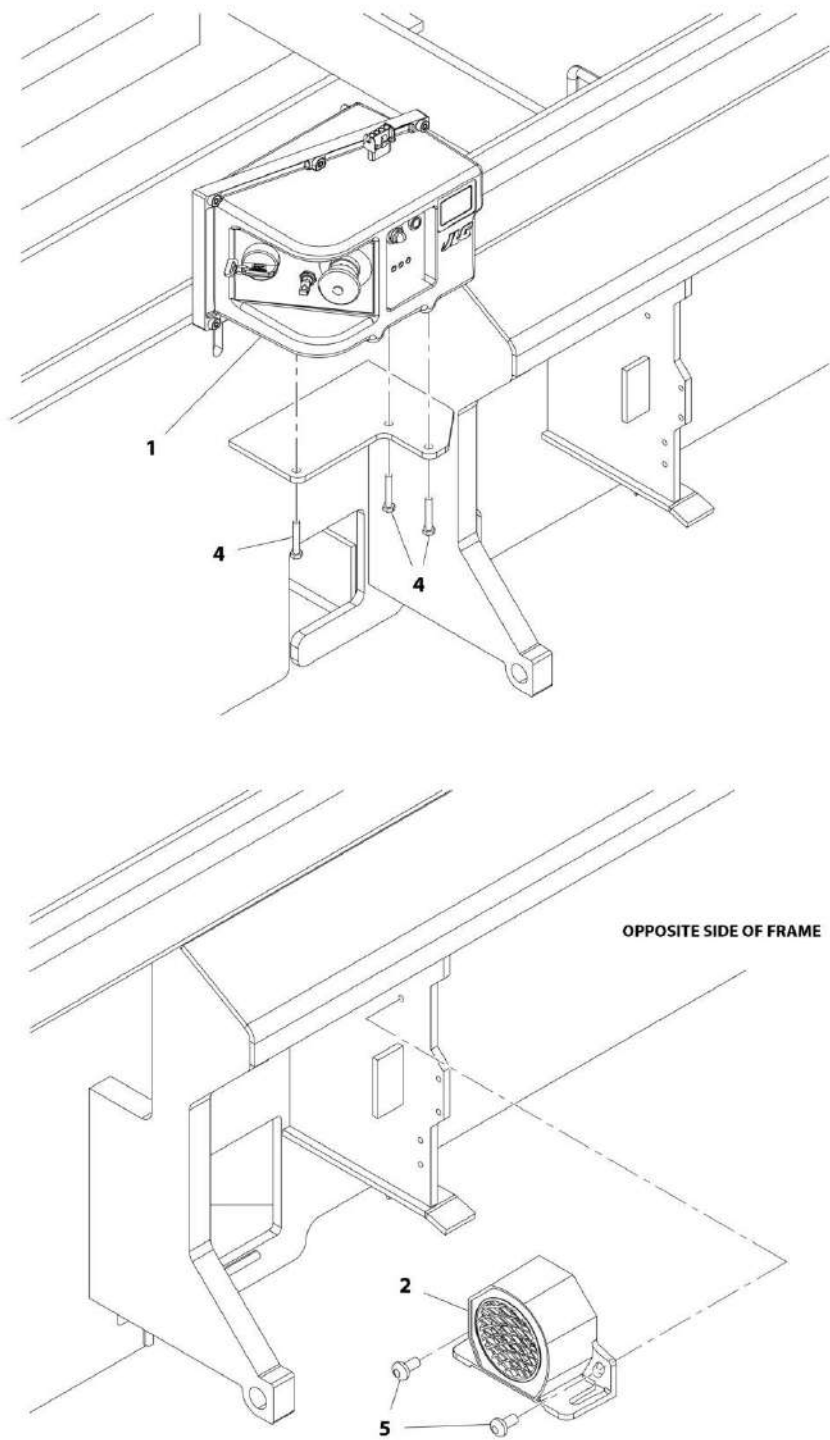
SECTION 2 - GROUND COMPONENTS

FIGURE 2-3. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN 0200239382 to Present, SN B200023346 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 B200023346 to Present, SN M200000100 to Present)	B
		Ref		
1	1001166197	1	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. Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT 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 B200023345)



ART_1001114886

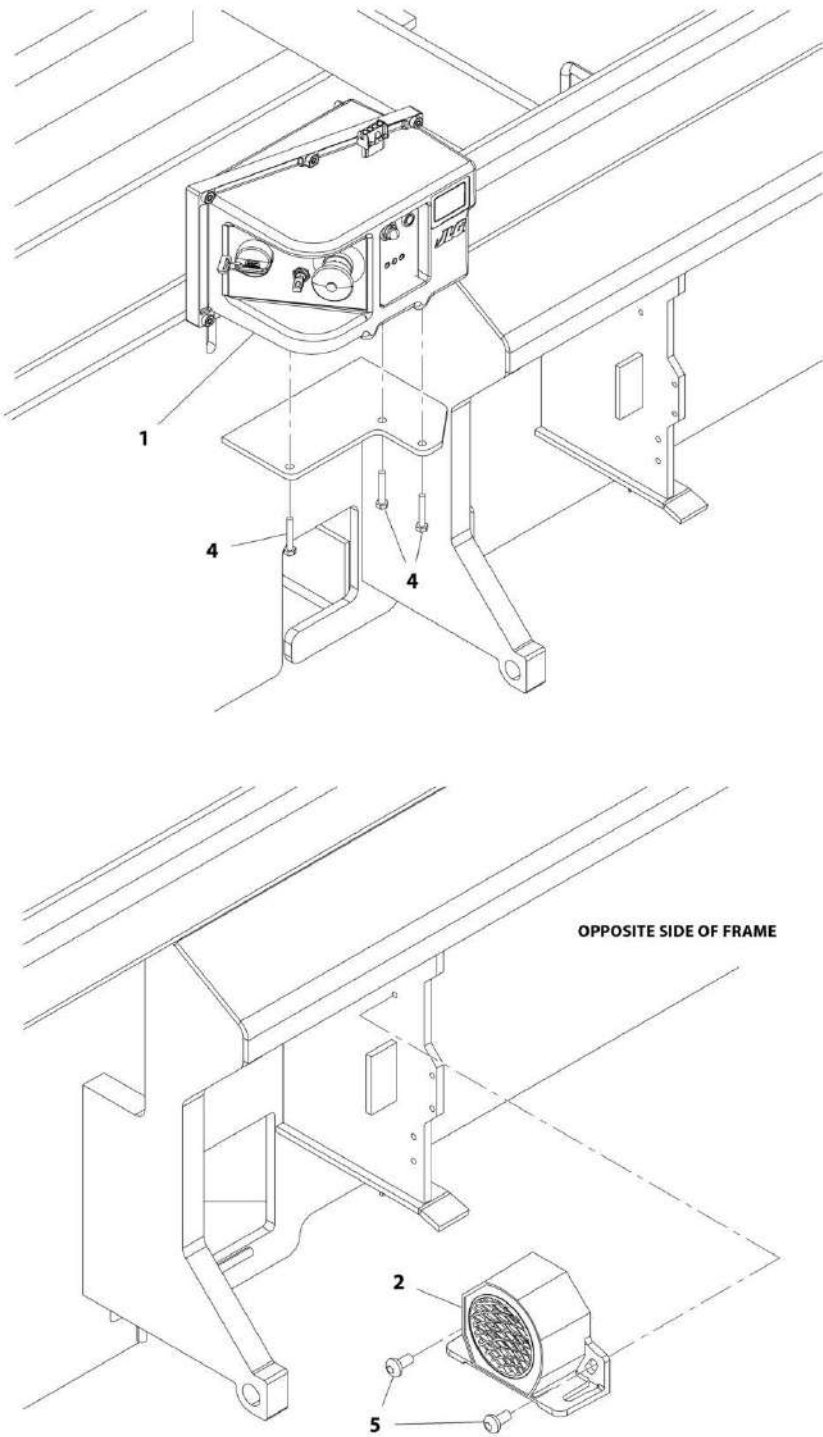
SECTION 2 - GROUND COMPONENTS

FIGURE 2-4. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN B200020297 through B200023345)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114886	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - LSS (ALL SPECS EXCEPT CE SPECS) (SN B200020297 through B200023345)	A
		Ref		
1	1001114932	1	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. Ground Control Box Assembly (See GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT 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 2-5. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPEC) (SN 0200239382 through 0200241828)



ART_1001166825

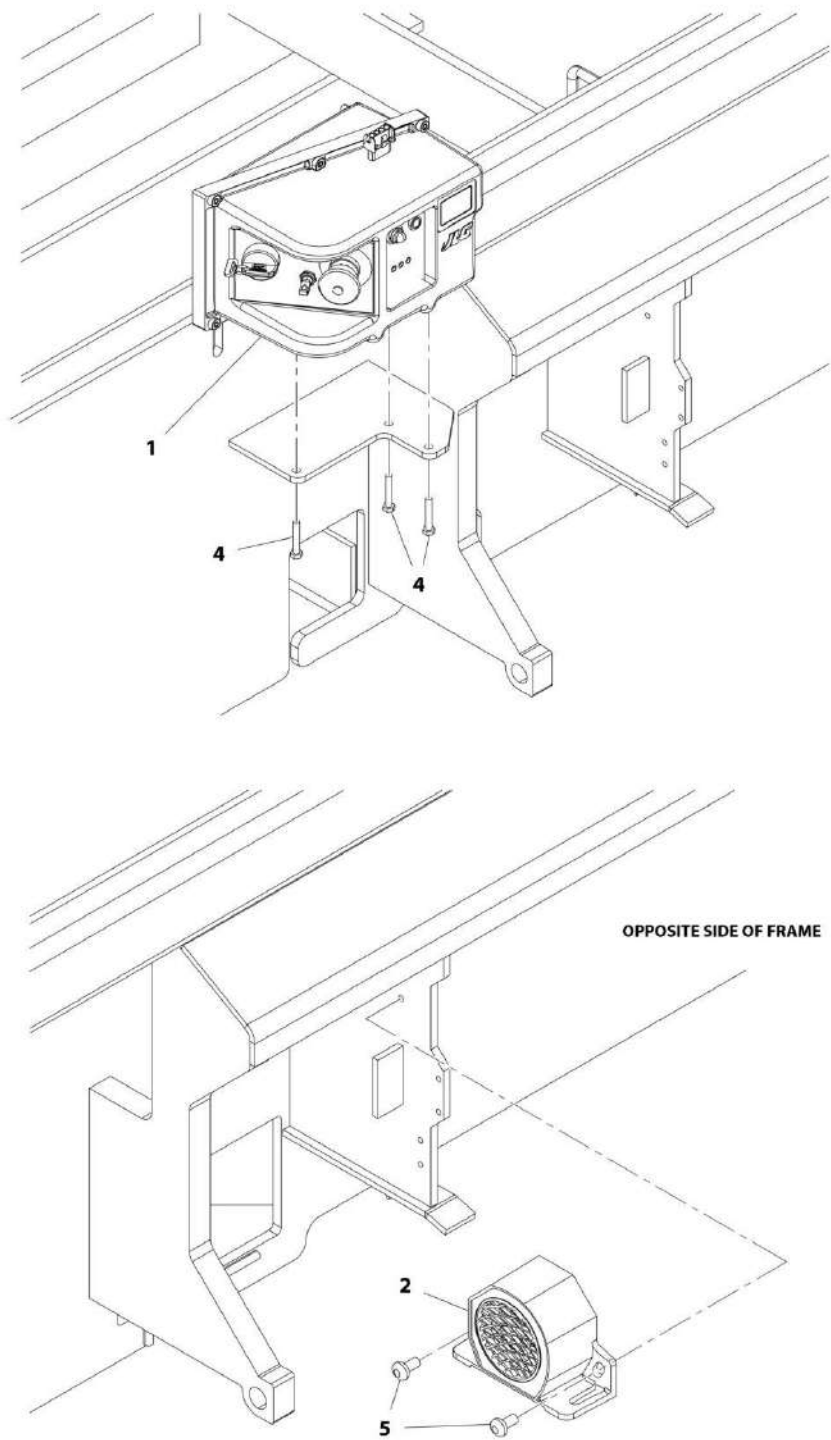
SECTION 2 - GROUND COMPONENTS

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) (SN 0200239382 through 0200241828)	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 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 2-6. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPEC) (SN B200020297 through B200021650)



ART_1001114925

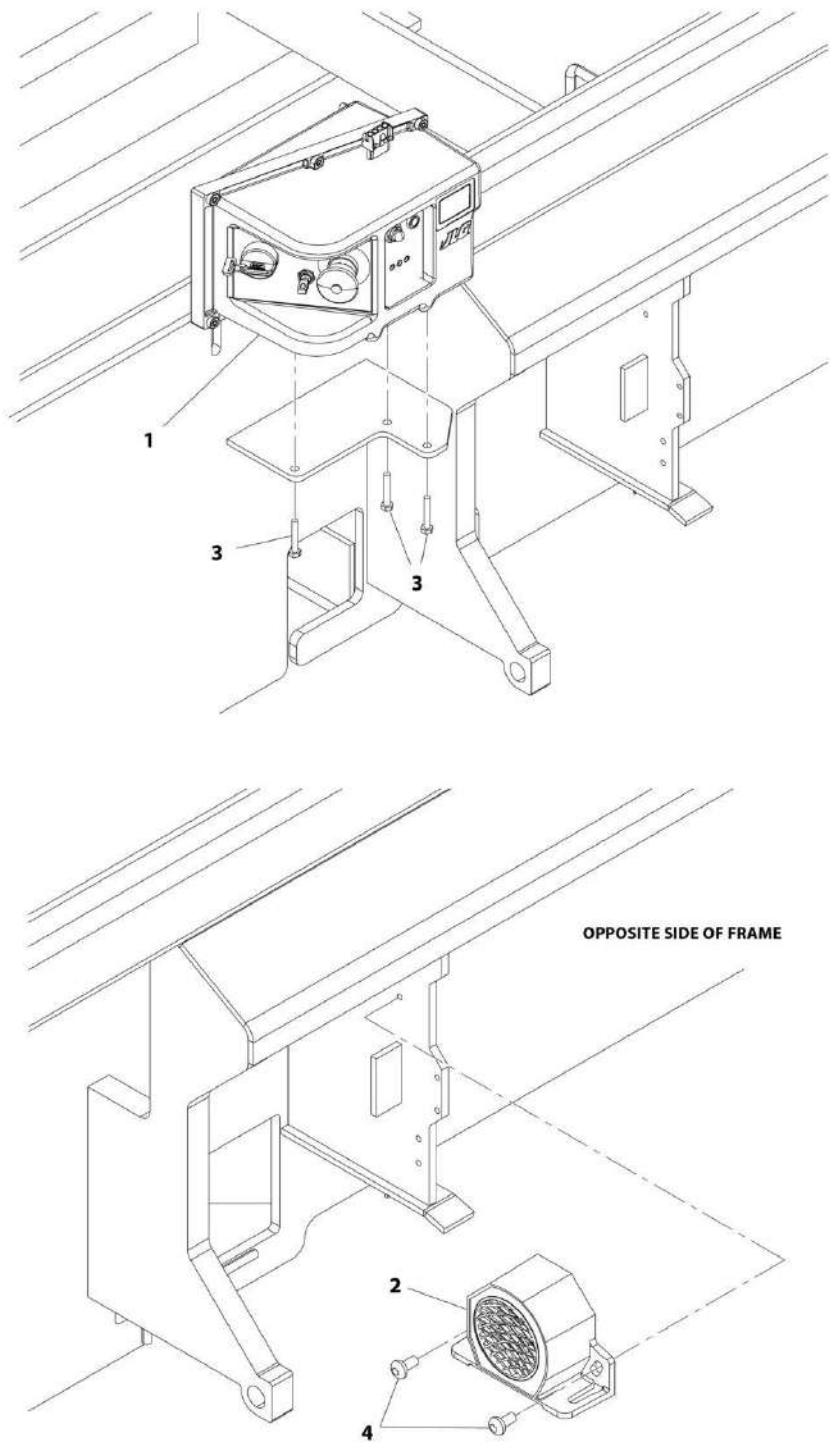
SECTION 2 - GROUND COMPONENTS

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) (SN B200020297 through B200021650)	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

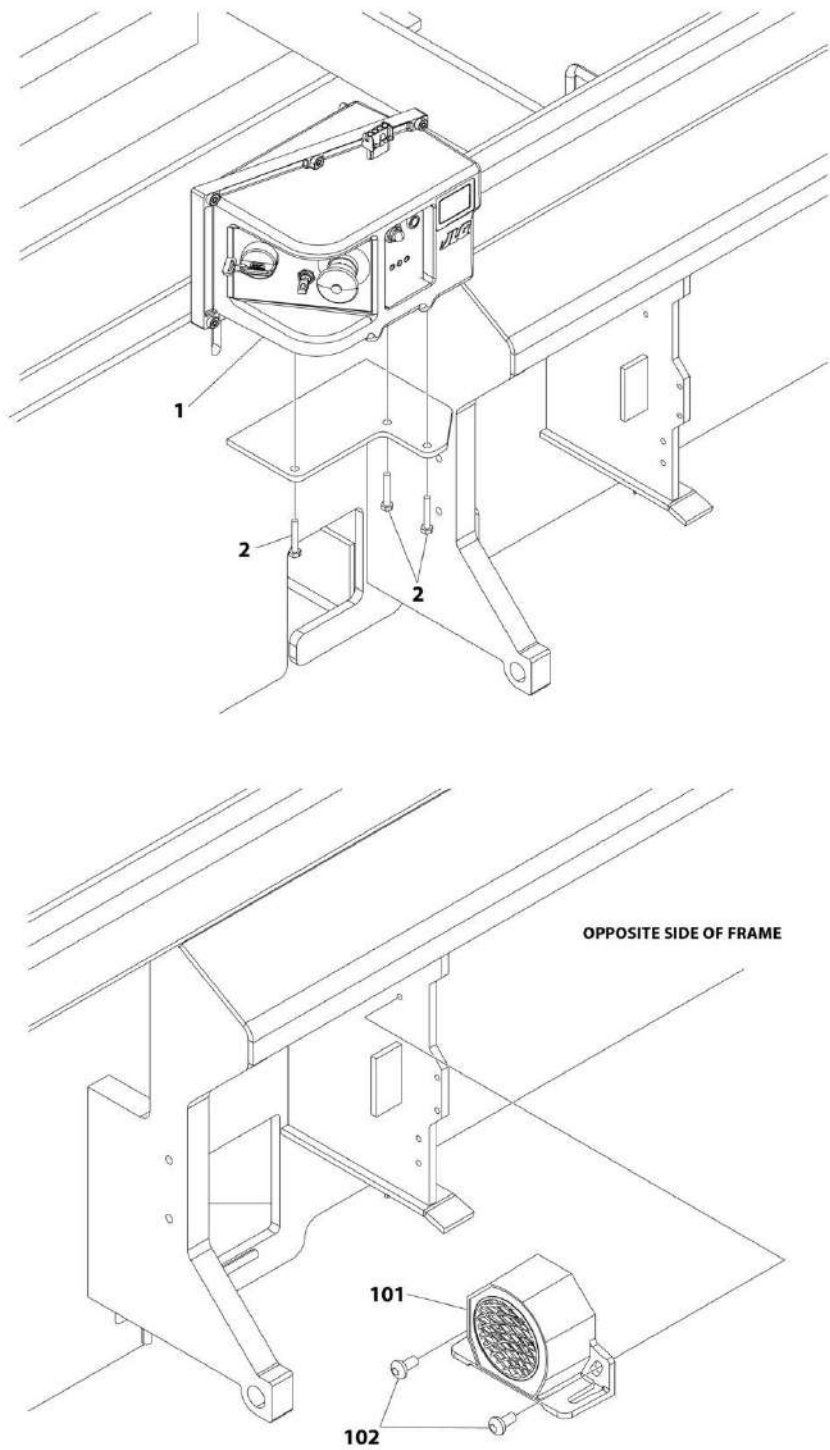
SECTION 2 - GROUND COMPONENTS

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 1200025021 to Present)



ART_1001215247

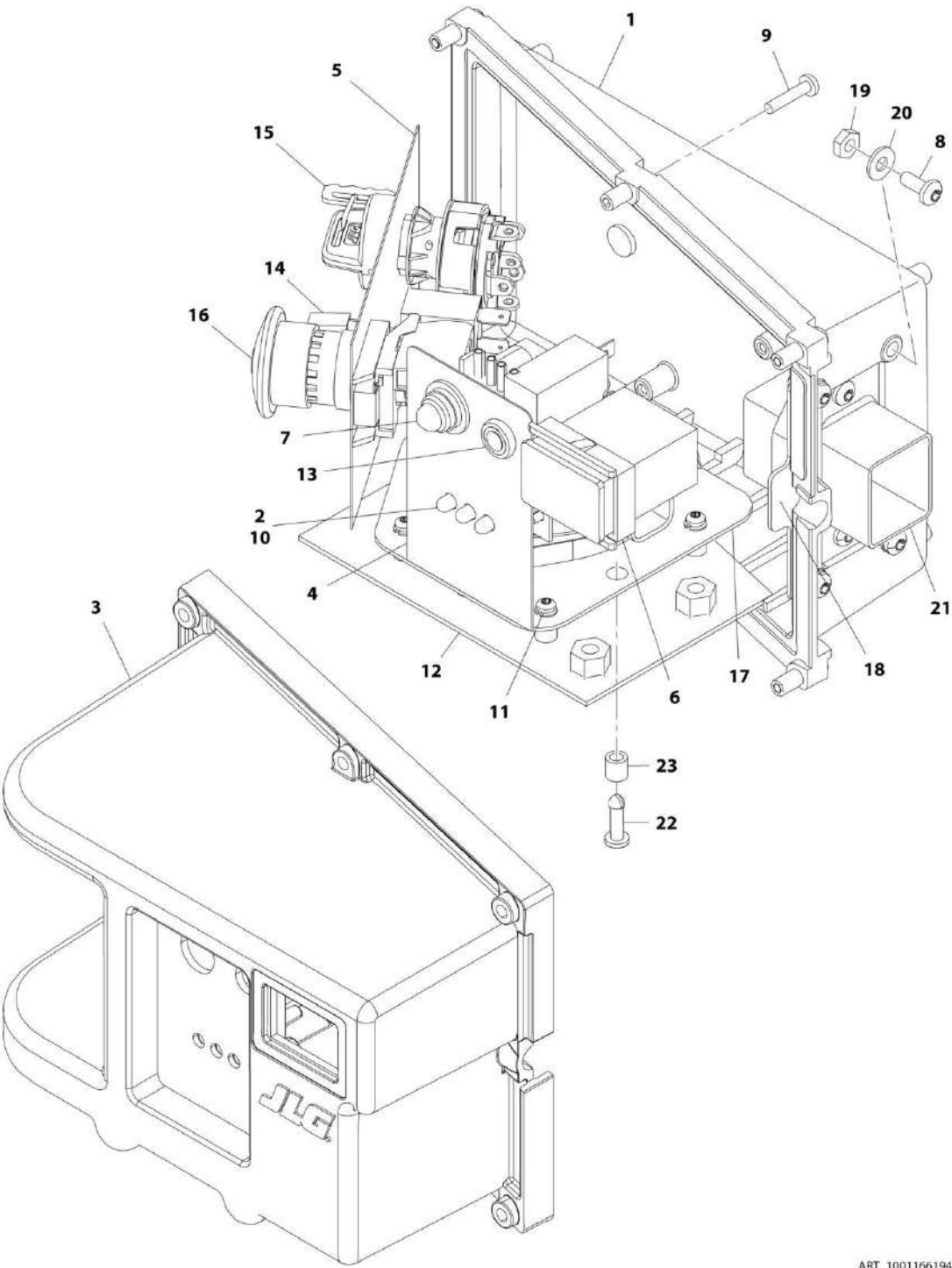
SECTION 2 - GROUND COMPONENTS

FIGURE 2-8. GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPECS) (SN 1200025021 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215247	Ref	GROUND CONTROL BOX/ALARM INSTALLATION - LSS (CE SPECS) (SN 1200025021 to Present)	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 (SN 1200025021 to Present)	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 B200023346 to Present, SN M200000100 to Present)



ART_1001166194

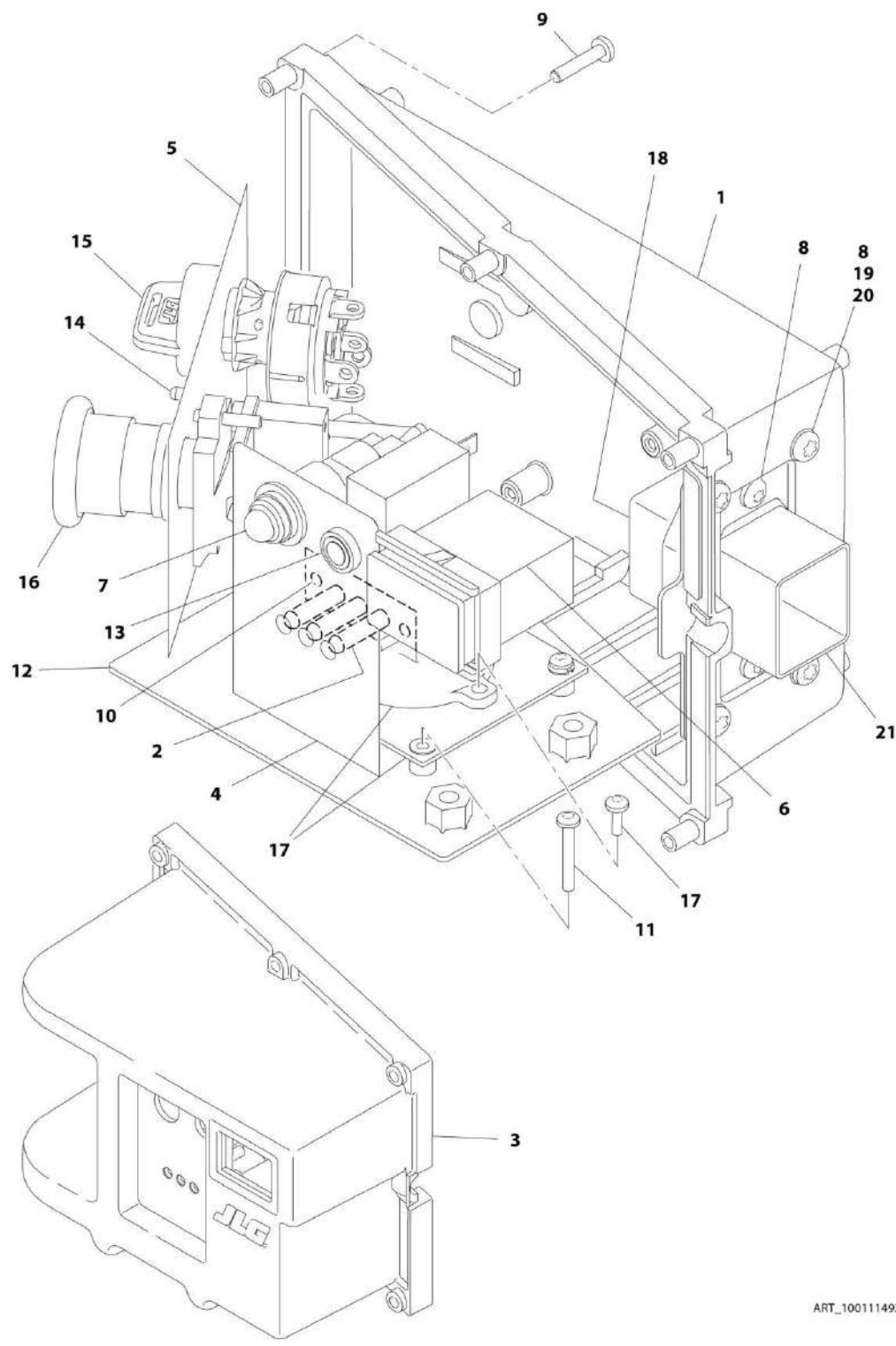
SECTION 2 - GROUND COMPONENTS

FIGURE 2-9. GROUND CONTROL BOX ASSEMBLY - NO LSS (SN 0200239382 to Present, SN B200023346 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 B200023346 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 10Amp	
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	
20	4751000	4	Washer #10	
21	1001167256	1	Harness, Ground Control Box (See ELECTRICAL SECTION for Breakdown) (SN 0200239382 through 0200266379, SN B200020297 through B200043103, SN M200000100 through M200012170)	
21	1001208641	1	Harness, Ground Control Box (See ELECTRICAL SECTION for Breakdown) (SN 0200266380 to Present, SN B200043104 to Present, SN M200012171 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 B200023345)



ART_1001114929

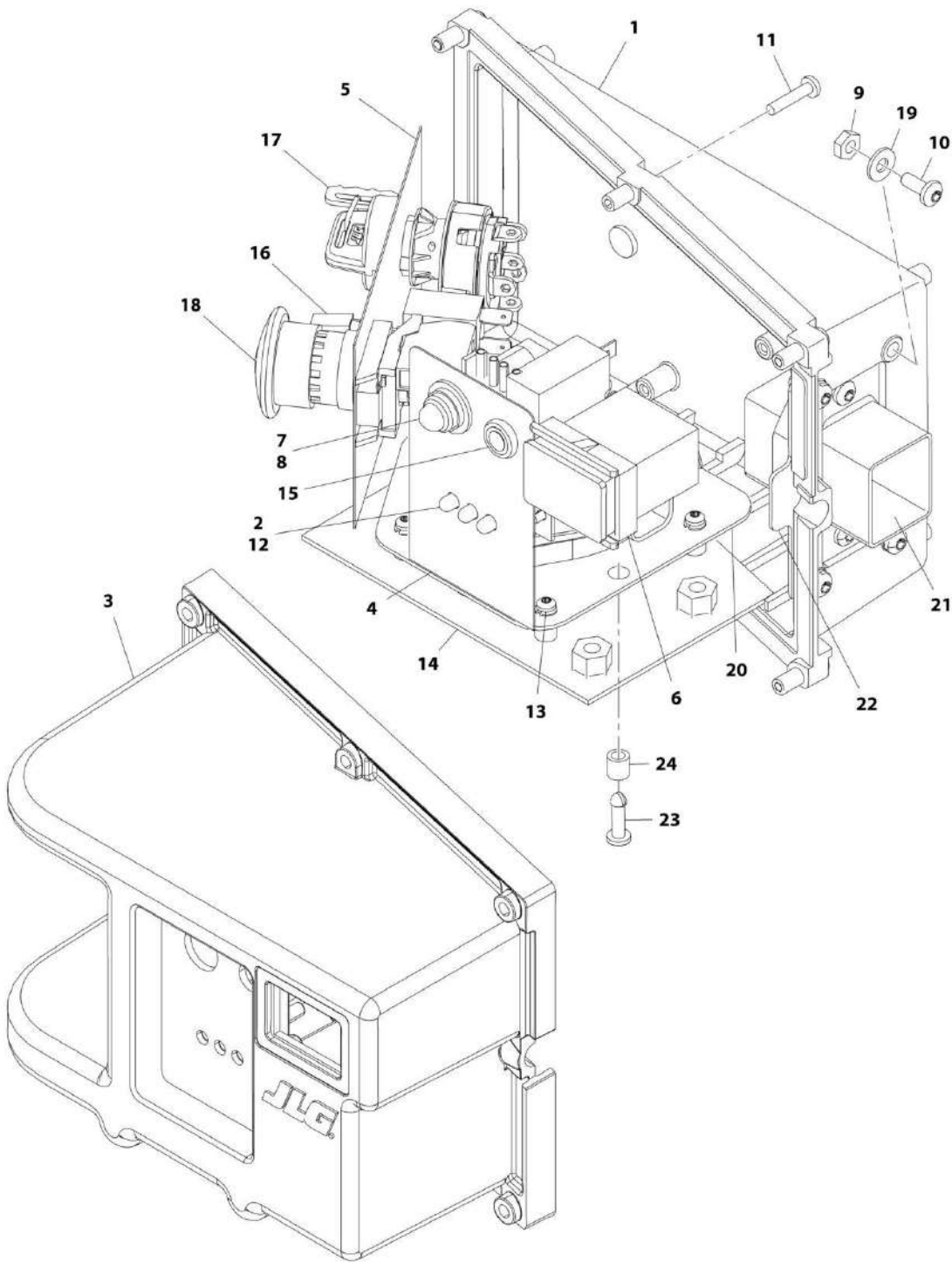
SECTION 2 - GROUND COMPONENTS

FIGURE 2-10. GROUND CONTROL BOX ASSEMBLY - NO LSS (SN B200020297 through B200023345)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114929	Ref	GROUND CONTROL BOX ASSEMBLY - NO LSS (SN B200020297 through B200023345)	B
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	
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 SPECS) (SN 0200239382 to Present, SN B200023346 to Present, SN M200000100 to Present)



ART_1001166197

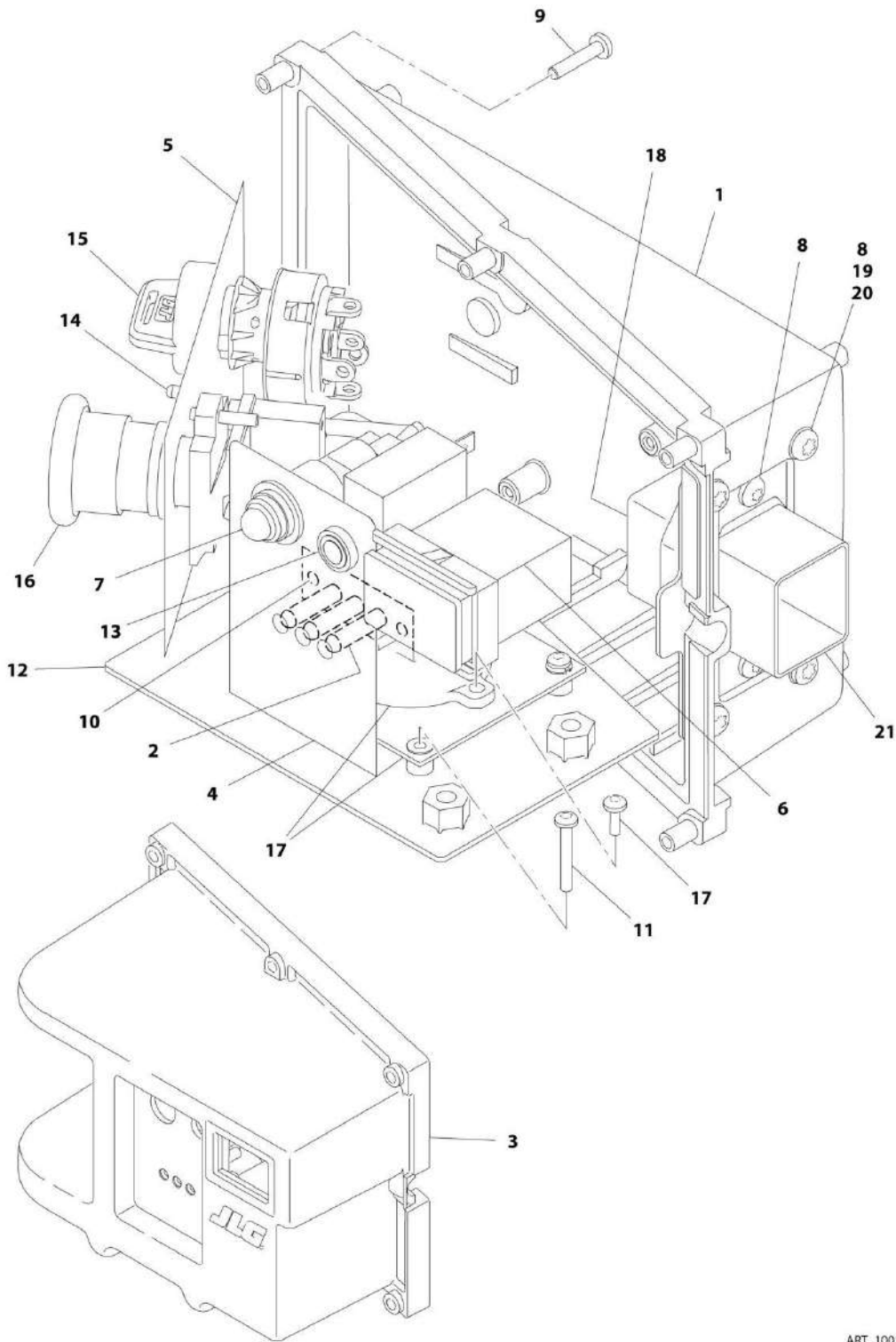
SECTION 2 - GROUND COMPONENTS

FIGURE 2-11. GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE SPECS) (SN 0200239382 to Present, SN B200023346 to Present, SN M200000100 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166197	Ref	GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE SPECS) (SN 0200239382 to Present, SN B200023346 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	
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 2-12. GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE SPECS) (SN B200020297 through B200023345)



ART_1001114932

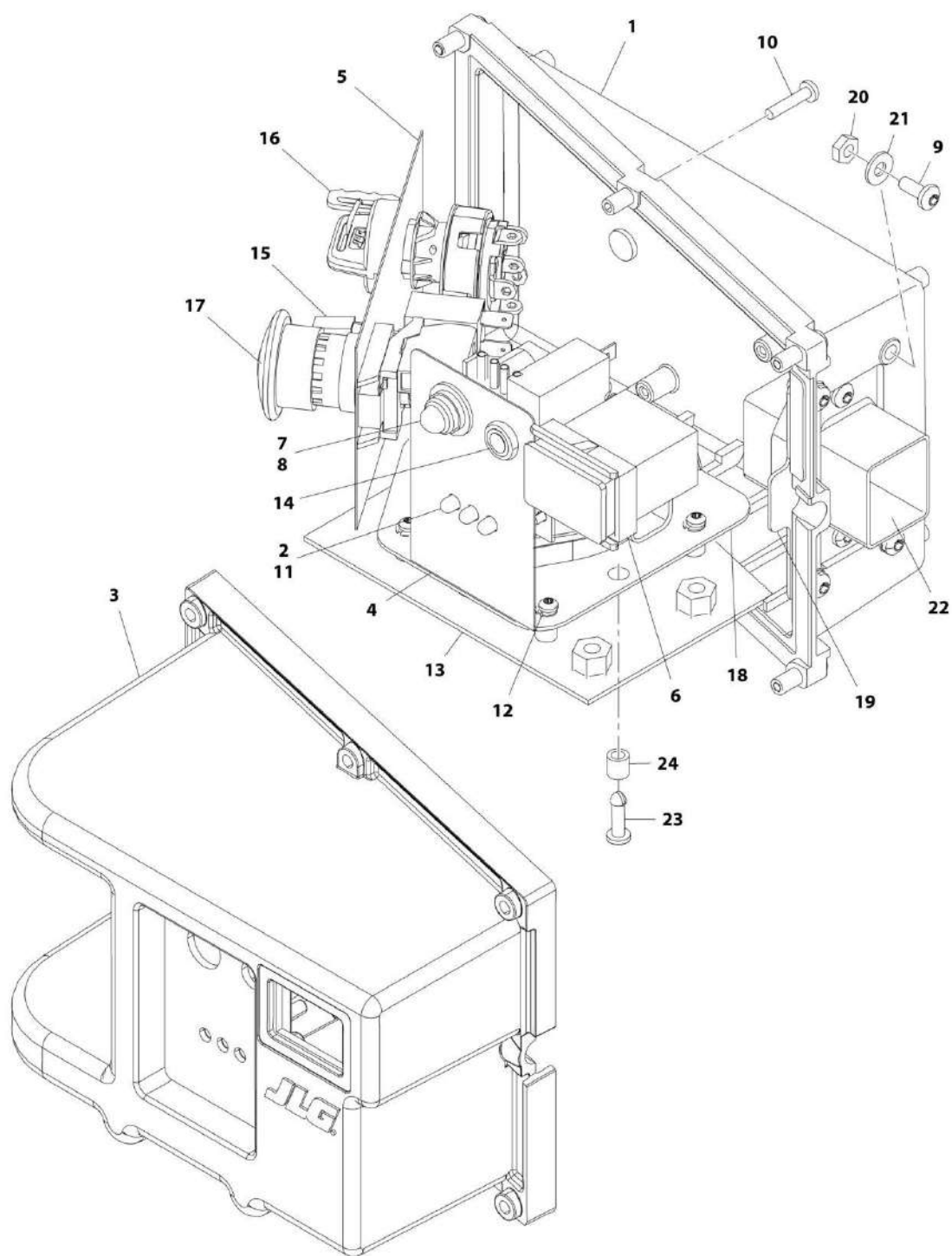
SECTION 2 - GROUND COMPONENTS

FIGURE 2-12. GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE SPECS) (SN B200020297 through B200023345)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114932	Ref	GROUND CONTROL BOX ASSEMBLY - LSS (ALL SPECS EXCEPT CE SPECS) (SN B200020297 through B200023345)	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 - 10 Amp	
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

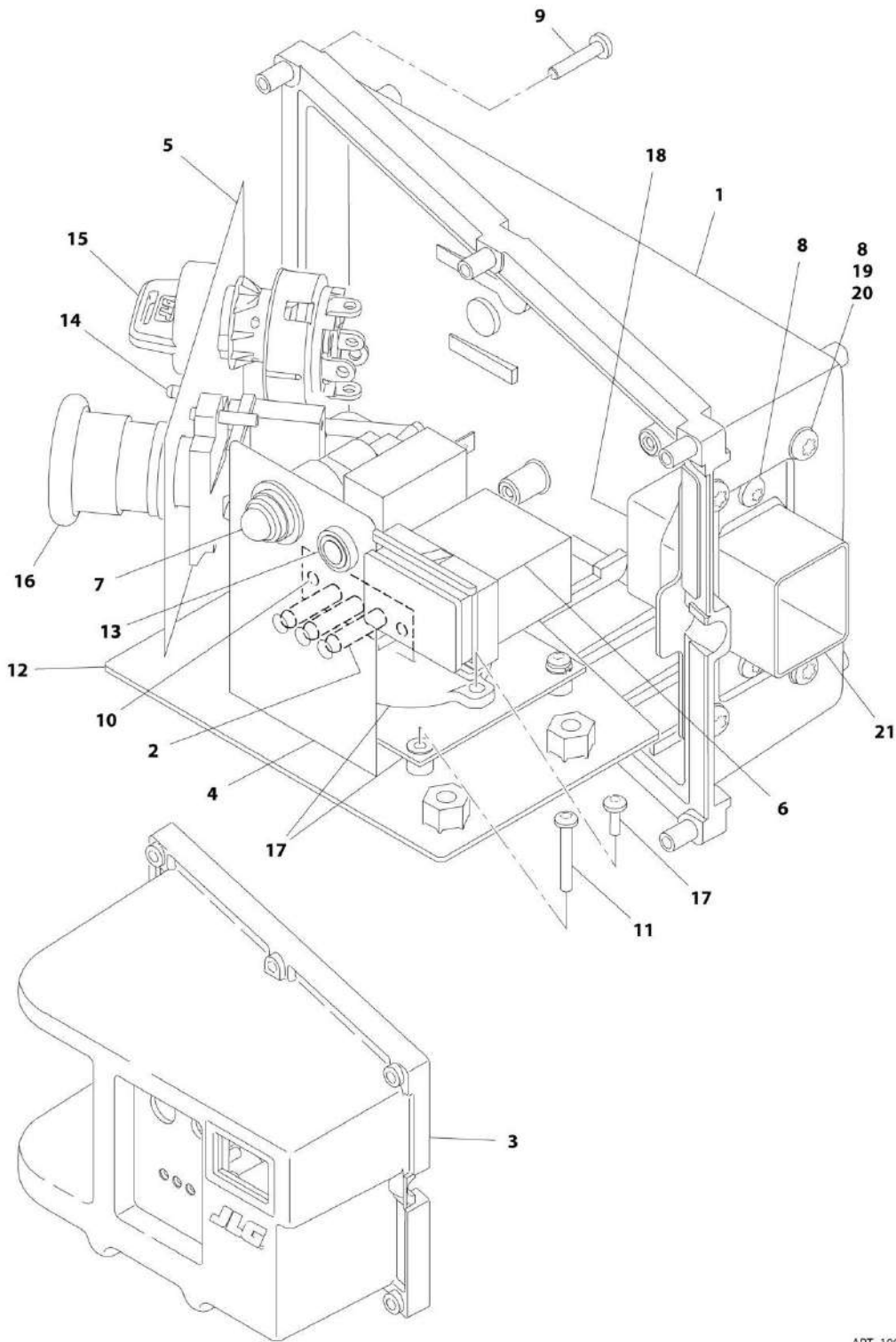
SECTION 2 - GROUND COMPONENTS

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 10Amp	
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

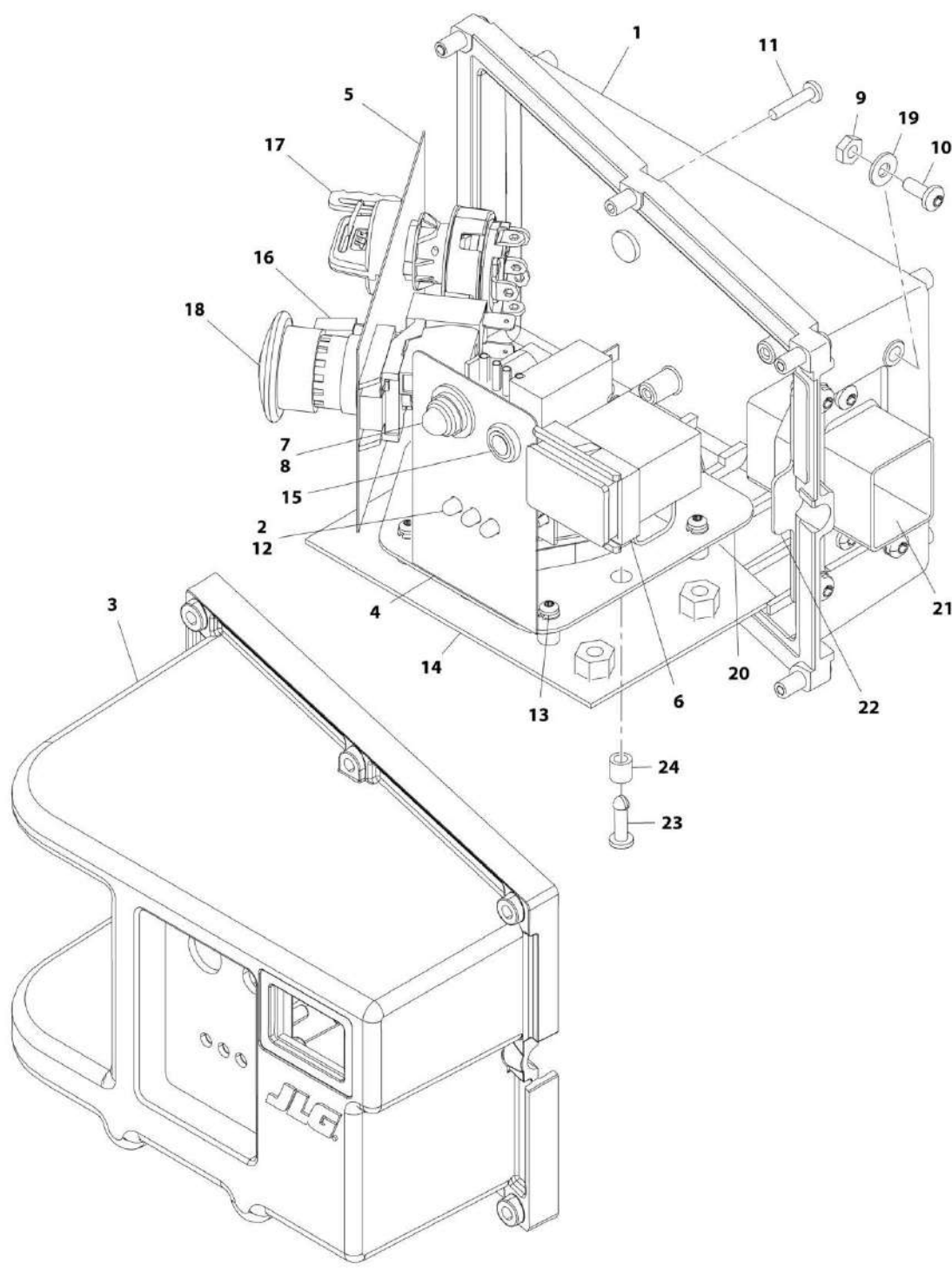
SECTION 2 - GROUND COMPONENTS

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114930	Ref	GROUND CONTROL BOX ASSEMBLY - LSS (CE SPECS) (SN B200020297 through B200021650)	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 - 10 Amp	
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

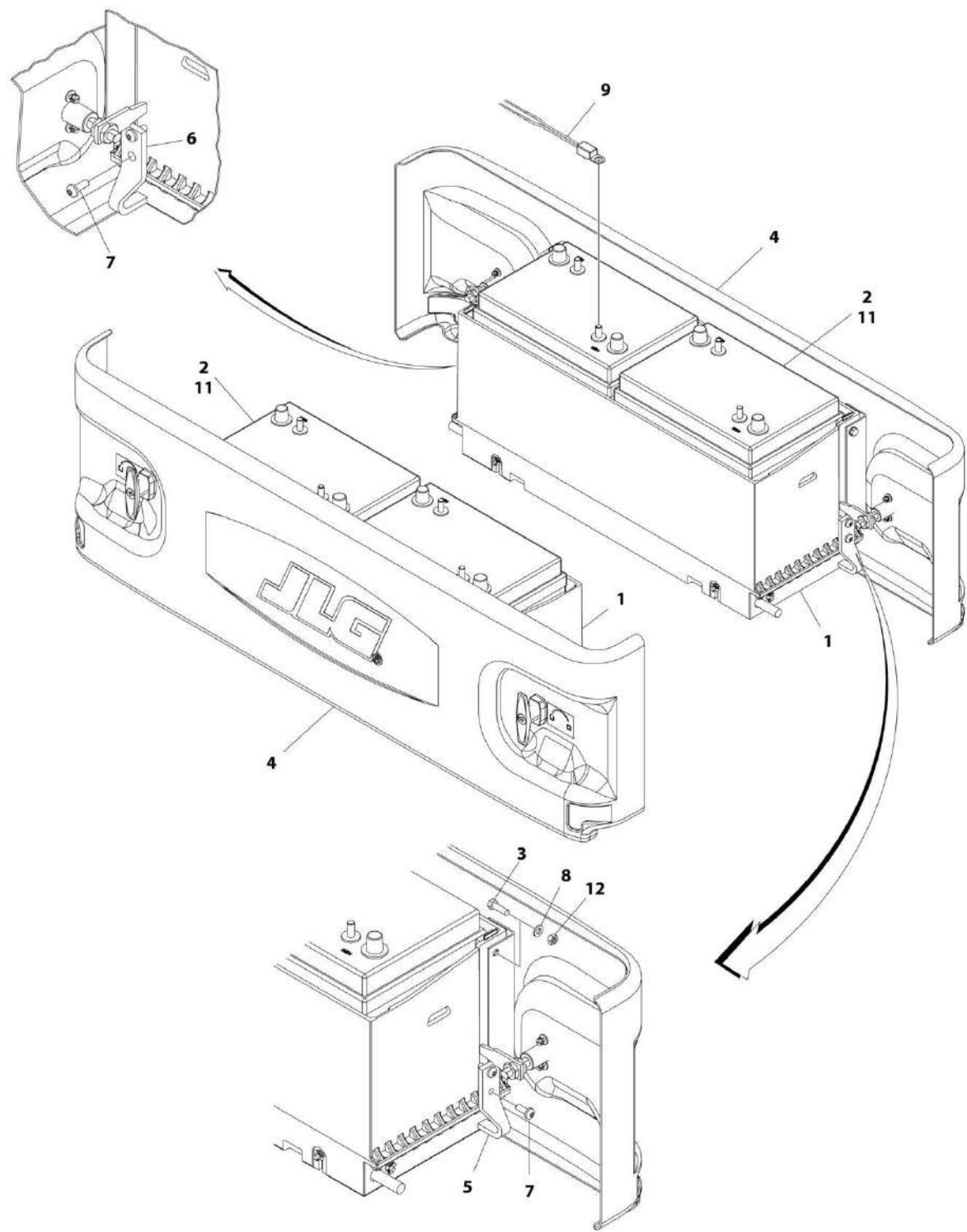
SECTION 2 - GROUND COMPONENTS

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 SPECS) (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	
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	1	Screw 1/4 x 3/4	
20	1001163095	1	Sensor	
20	1001165316	1	Mount, Sensor	
20	1001166776	1	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

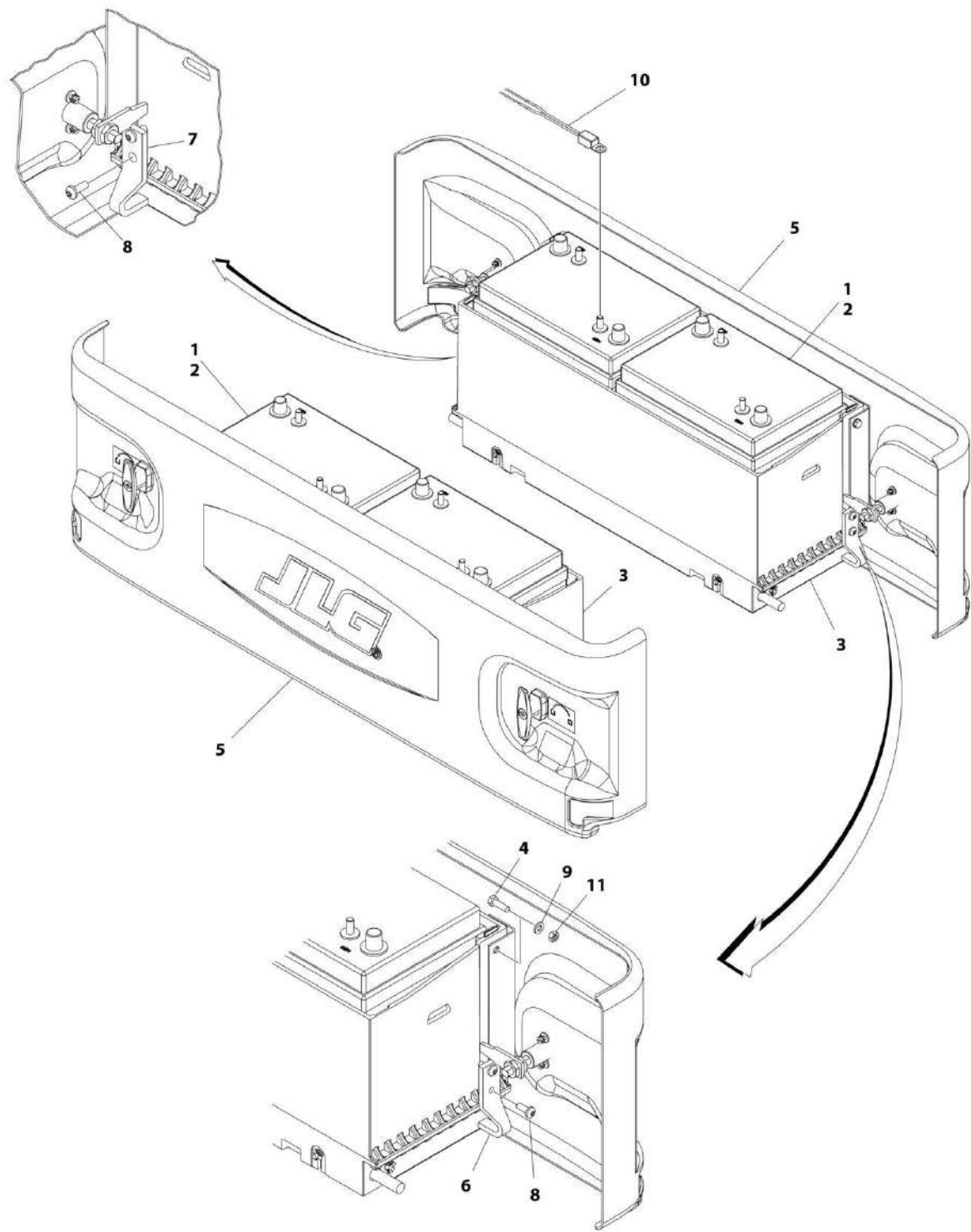
SECTION 2 - GROUND COMPONENTS

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 1200026952, SN B200020297 through B200045240, SN M200000100 through M200014363)	
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

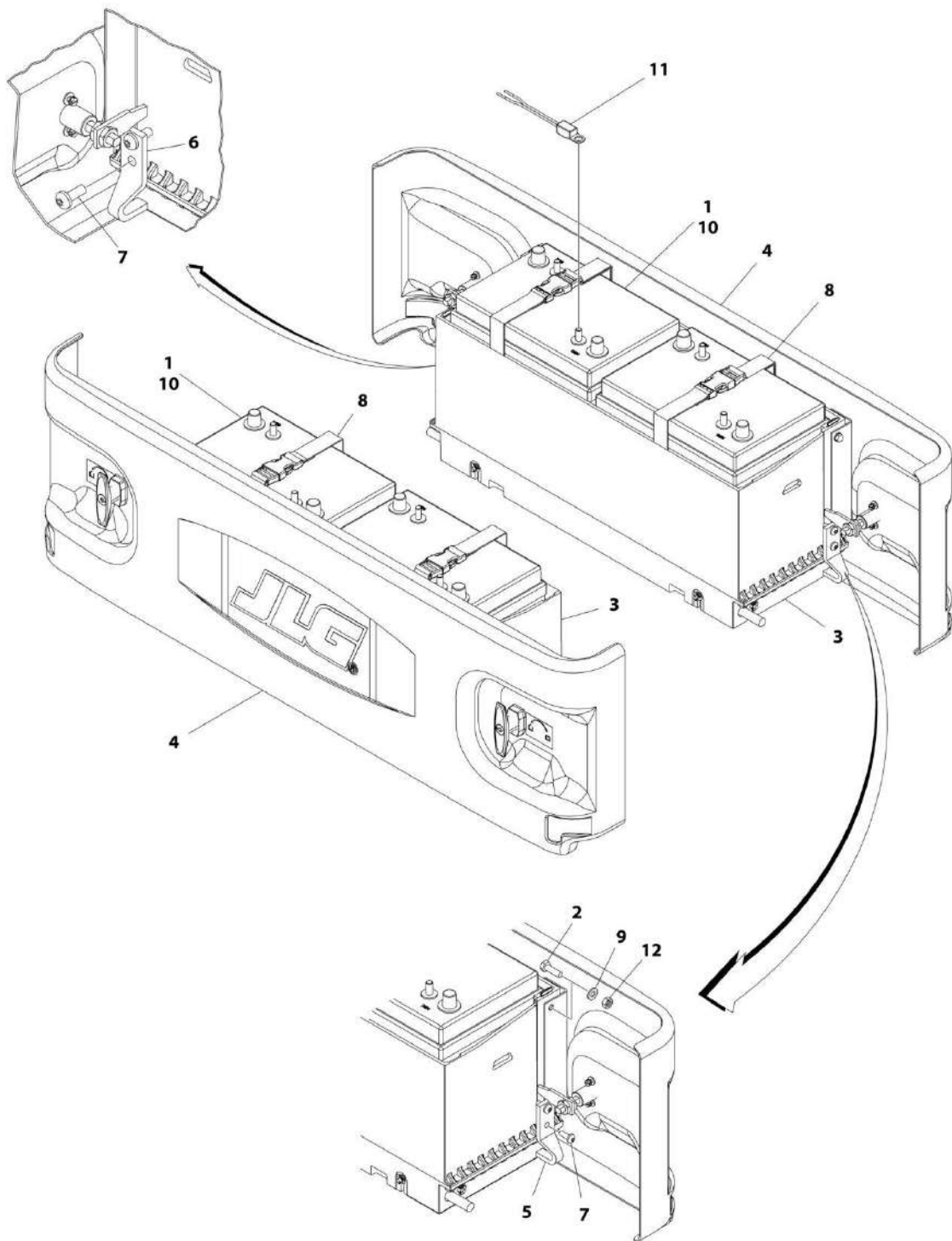
SECTION 2 - GROUND COMPONENTS

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 1200026952, SN B200020297 through B200045240, SN M200000100 through M200014363)	
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

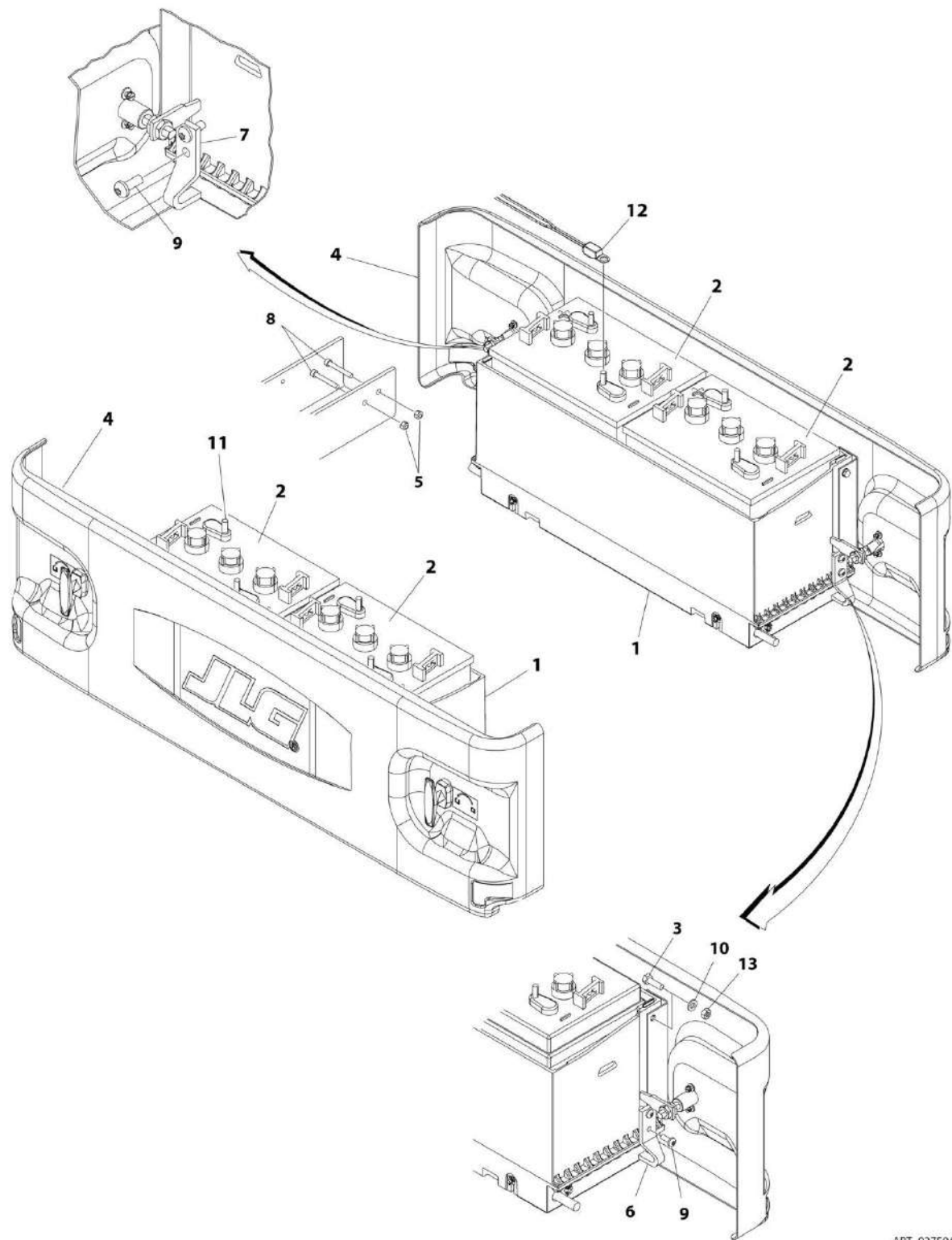
SECTION 2 - GROUND COMPONENTS

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 B200045240, SN M200000100 through M200014363)	
12	3290605	8	Nut M6	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-19. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-LOCKING COVERS)



ART_0275042

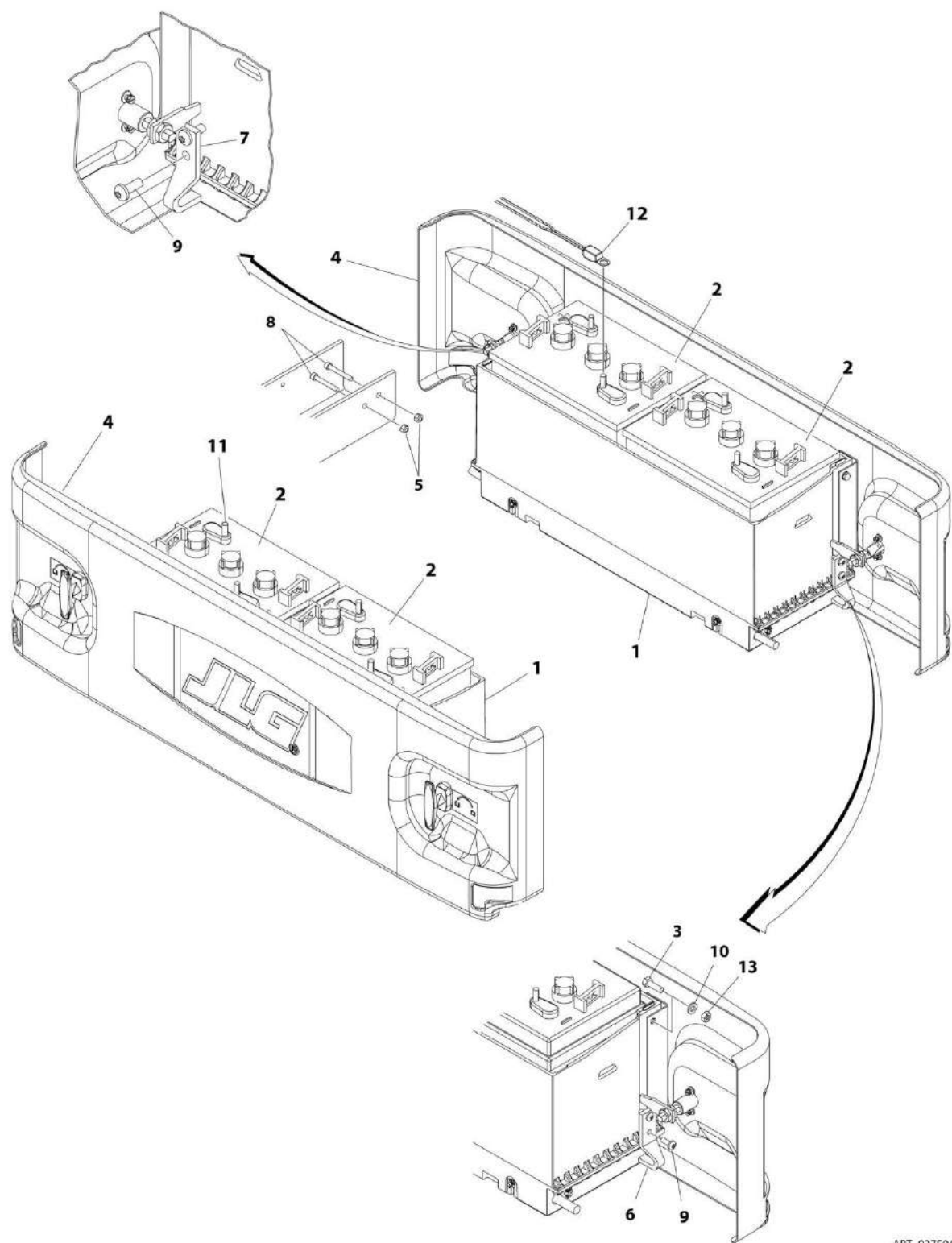
SECTION 2 - GROUND COMPONENTS

FIGURE 2-19. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275042	Ref	BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-LOCKING COVERS)	F
1	0273698	2	Tray Assembly (See BATTERY TRAY ASSEMBLY - NON UL for Breakdown)	
2	0400216	4	Battery Type EV-145-WNL	
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	3290605	2	Nut M6	
6	3574981	2	Plate, Slide Stop (LH)	
7	3574984	2	Plate, Slide Stop (RH)	
8	4031713	2	Capscrew M6 x 45	
9	4191707	8	Screw M6 x 16	
10	4811700	8	Washer M6	
11	0100051	AR	Grease, Terminal	
12	1001112113	1	Sensor, Temperature (SN 0200239382 through 0200266434, SN 1200025021 through 1200026952, SN B200020297 through B200045240, SN M200000100 through M200014363)	
13	3290605	8	Nut M6	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-20. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-UL LOCKING COVERS)



ART_0275044

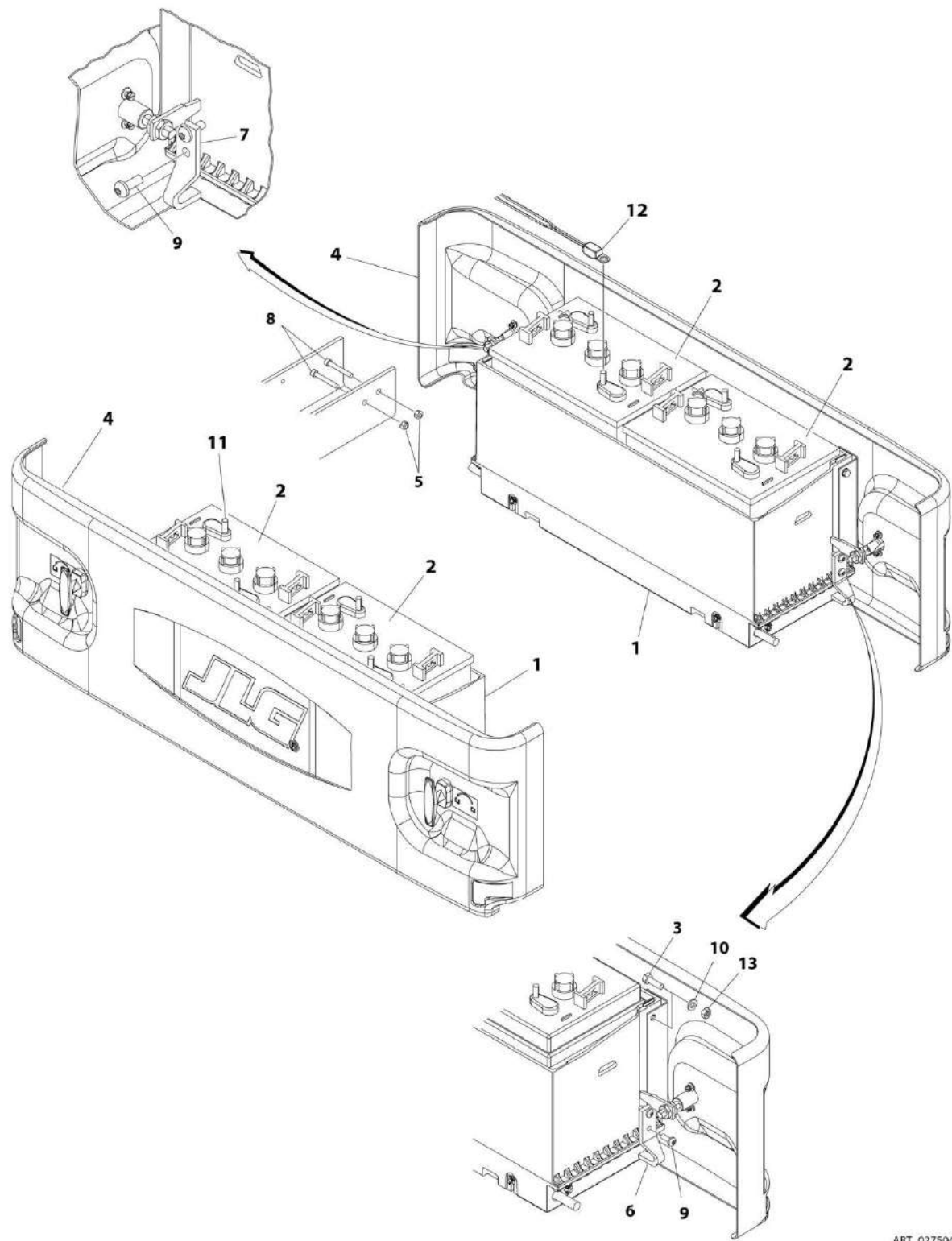
SECTION 2 - GROUND COMPONENTS

FIGURE 2-20. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-UL LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275044	Ref	BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (NON-UL LOCKING COVERS)	F
1	0273698	2	Tray Assembly (See BATTERY TRAY ASSEMBLY - NON UL for Breakdown)	
2	0400216	4	Battery Type EV-145-WNL	
3	0760610	8	Bolt M6 x 20	
3	1001100451	8	Bolt M6 x 20	
4	1671204	2	Cover Assembly (See BATTERY COVER ASSEMBLY - LOCKING for Breakdown)	
5	3290605	2	Nut M6	
6	3574981	2	Plate, Slide Stop (LH)	
7	3574984	2	Plate, Slide Stop (RH)	
8	4031713	2	Capscrew M6 x 45	
9	4191707	8	Screw M6 x 16	
10	4811700	8	Washer M6	
11	0100051	AR	Grease, Terminal	
12	1001112113	1	Sensor, Temperature (SN 0200239382 through 0200266434, SN 1200025021 through 1200026952, SN B200020297 through B200045240, SN M200000100 through M200014363)	
13	3290605	8	Nut M6	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-21. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (UL LOCKING COVERS)



ART_0275043

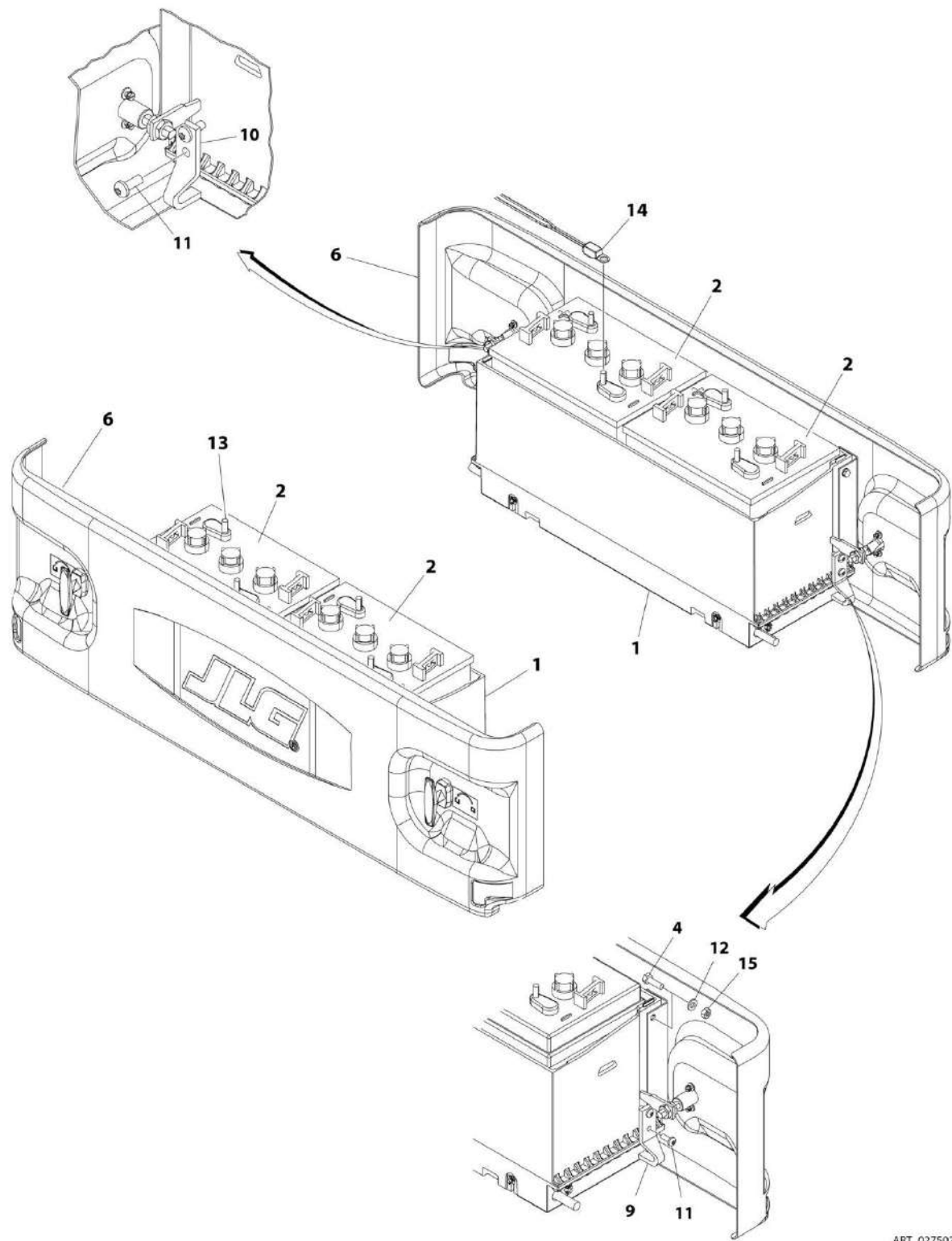
SECTION 2 - GROUND COMPONENTS

FIGURE 2-21. BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (UL LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275043	Ref	BATTERIES INSTALLATION - EV TYPE - 244 AH RATING (UL LOCKING COVERS)	F
1	0861678	2	Tray Assembly (See BATTERY TRAY ASSEMBLY - UL for Breakdown)	
2	0400216	4	Battery Type EV-145-WNL	
3	0760610	8	Bolt M6 x 20	
3	1001100451	8	Bolt M6 x 20	
4	1671204	2	Cover Assembly (See BATTERY COVER ASSEMBLY - LOCKING for Breakdown)	
5	3290605	2	Nut M6	
6	3574981	2	Plate, Slide Stop (LH)	
7	3574984	2	Plate, Slide Stop (RH)	
8	4031713	2	Capscrew M6 x 45	
9	4191707	8	Screw M6 x 16	
10	4811700	8	Washer M6	
11	0100051	AR	Grease, Terminal	
12	1001112113	1	Sensor, Temperature (SN 0200239382 through 0200266434, SN B200020297 through B200045240, SN M200000100 through M200014363)	
13	3290605	8	Nut M6	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-22. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON LOCKING COVERS)



ART_0275020

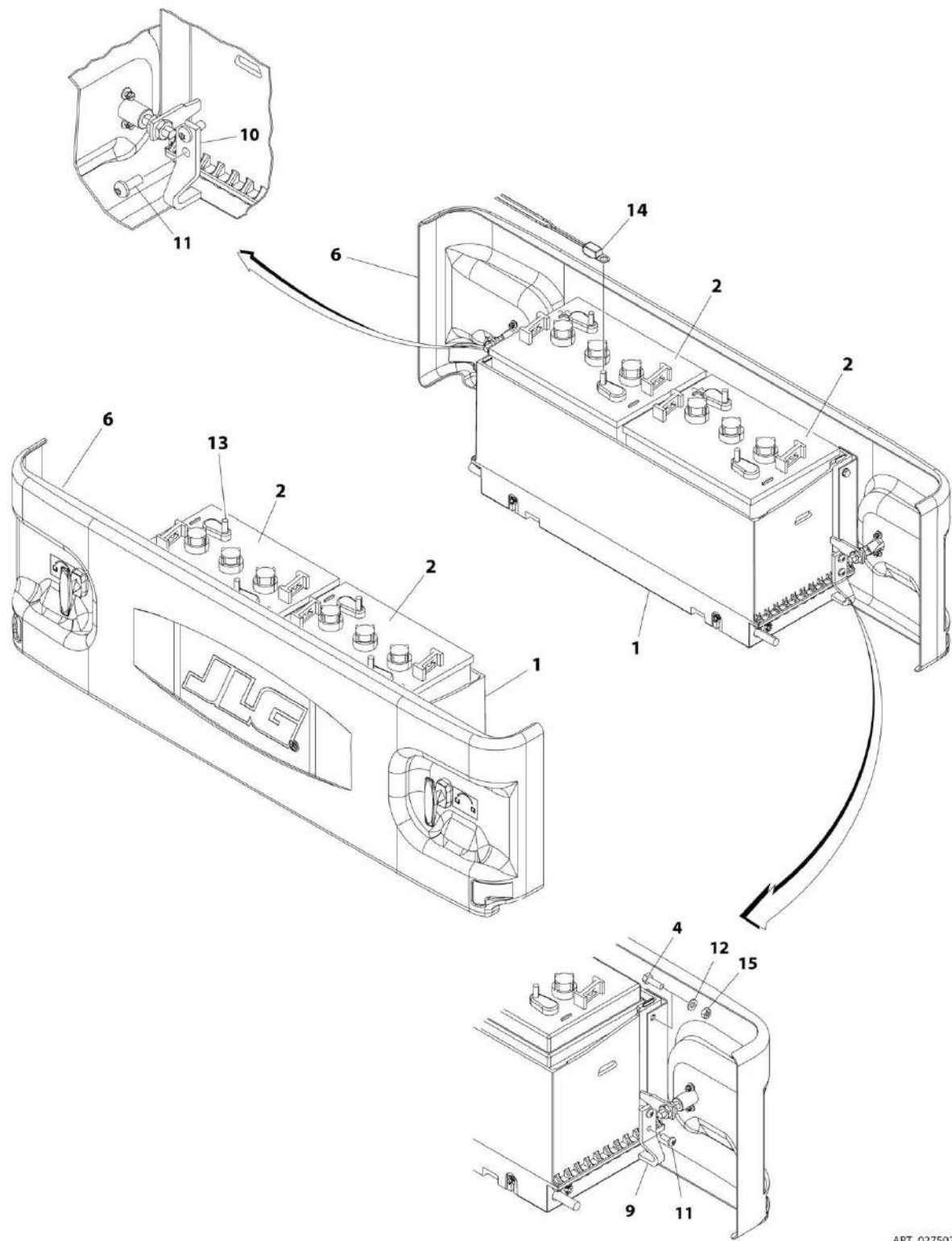
SECTION 2 - GROUND COMPONENTS

FIGURE 2-22. 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 1200026952, SN B200020297 through B200045240, SN M200000100 through M200014363)	
15	3290605	8	Nut M6	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-23. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (NON-UL LOCKING COVERS)



ART_0275022

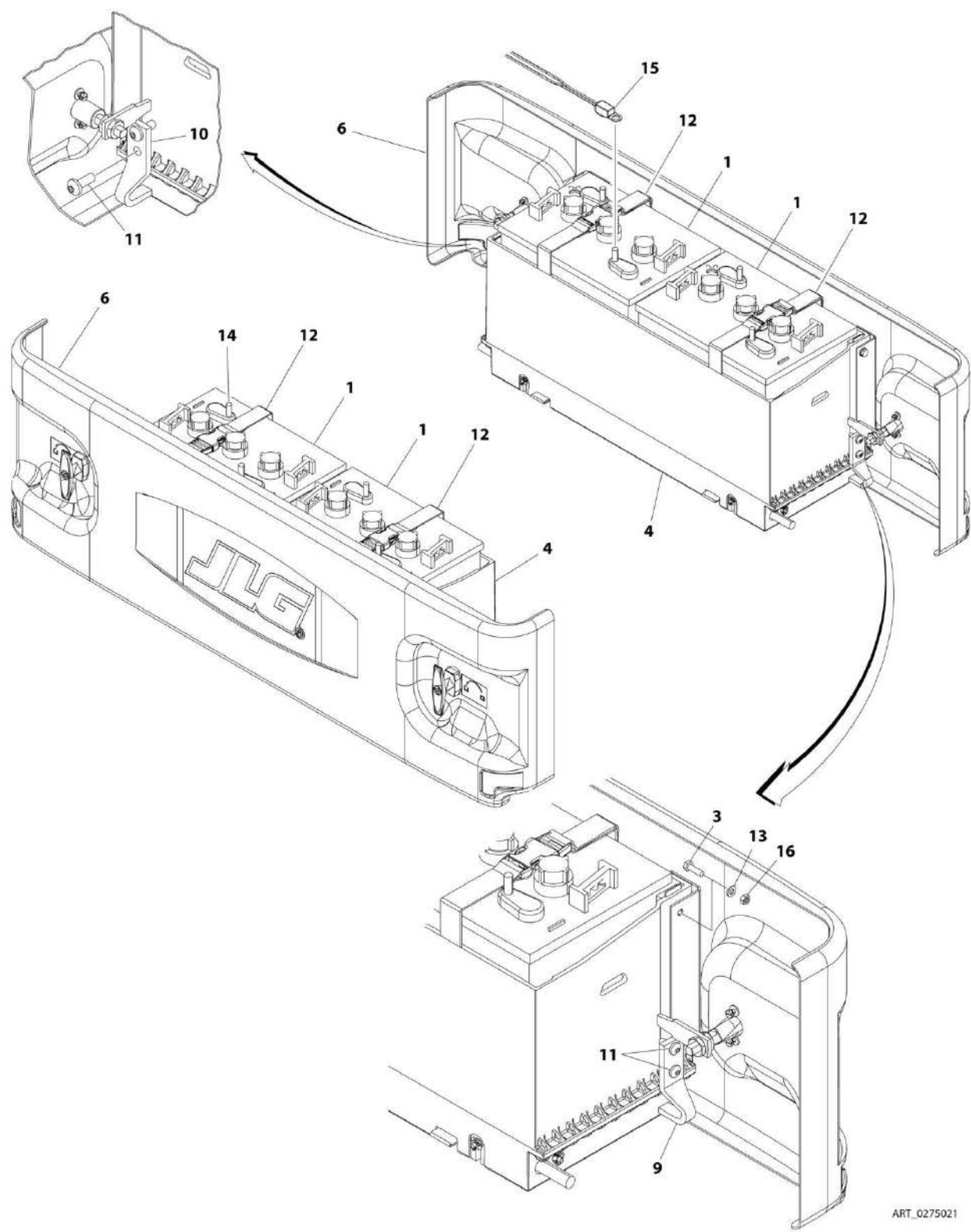
SECTION 2 - GROUND COMPONENTS

FIGURE 2-23. 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 1200026952, SN B200020297 through B200045240, SN M200000100 through M200014363)	
15	3290605	8	Nut M6	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-24. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (UL LOCKING COVERS)



ART_0275021

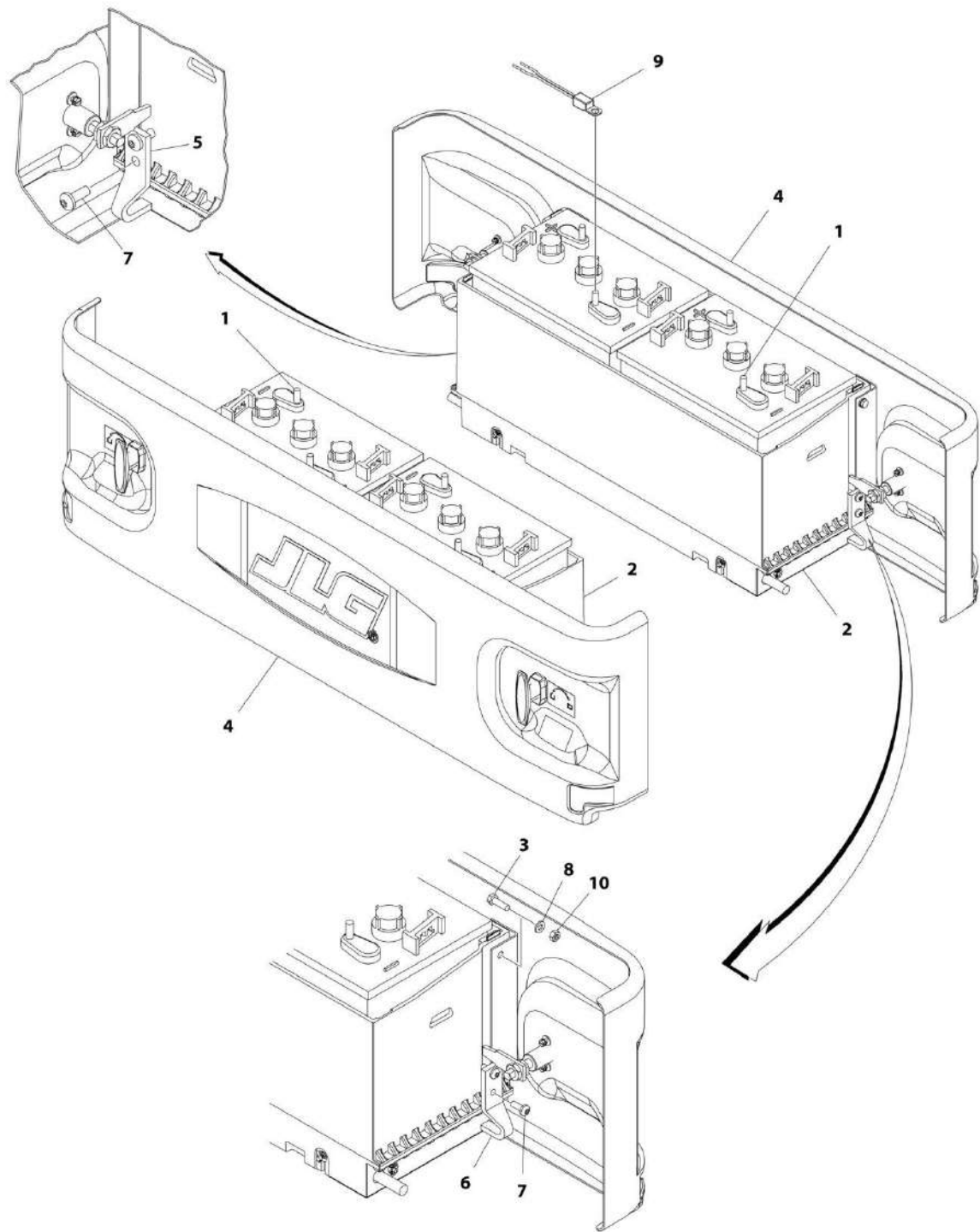
SECTION 2 - GROUND COMPONENTS

FIGURE 2-24. BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (UL LOCKING COVERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275021	Ref	BATTERIES INSTALLATION - GC TYPE - 225 AH RATING (UL LOCKING COVERS)	G
1	0400215	4	Battery Type GC-110-WNL	
3	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	2	Strap	
13	4811700	8	Washer M6	
14	0100051	AR	Grease, Terminal	
15	1001112113	1	Sensor, Temperature (SN 0200239382 through 0200266434, SN B200020297 through B200045240, SN M200000100 through M200014363)	
16	3290605	8	Nut M6	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-25. BATTERIES INSTALLATION - 220 AH RATING WITHOUT BATTERIES (NON LOCKING COVERS)



ART_1001209104

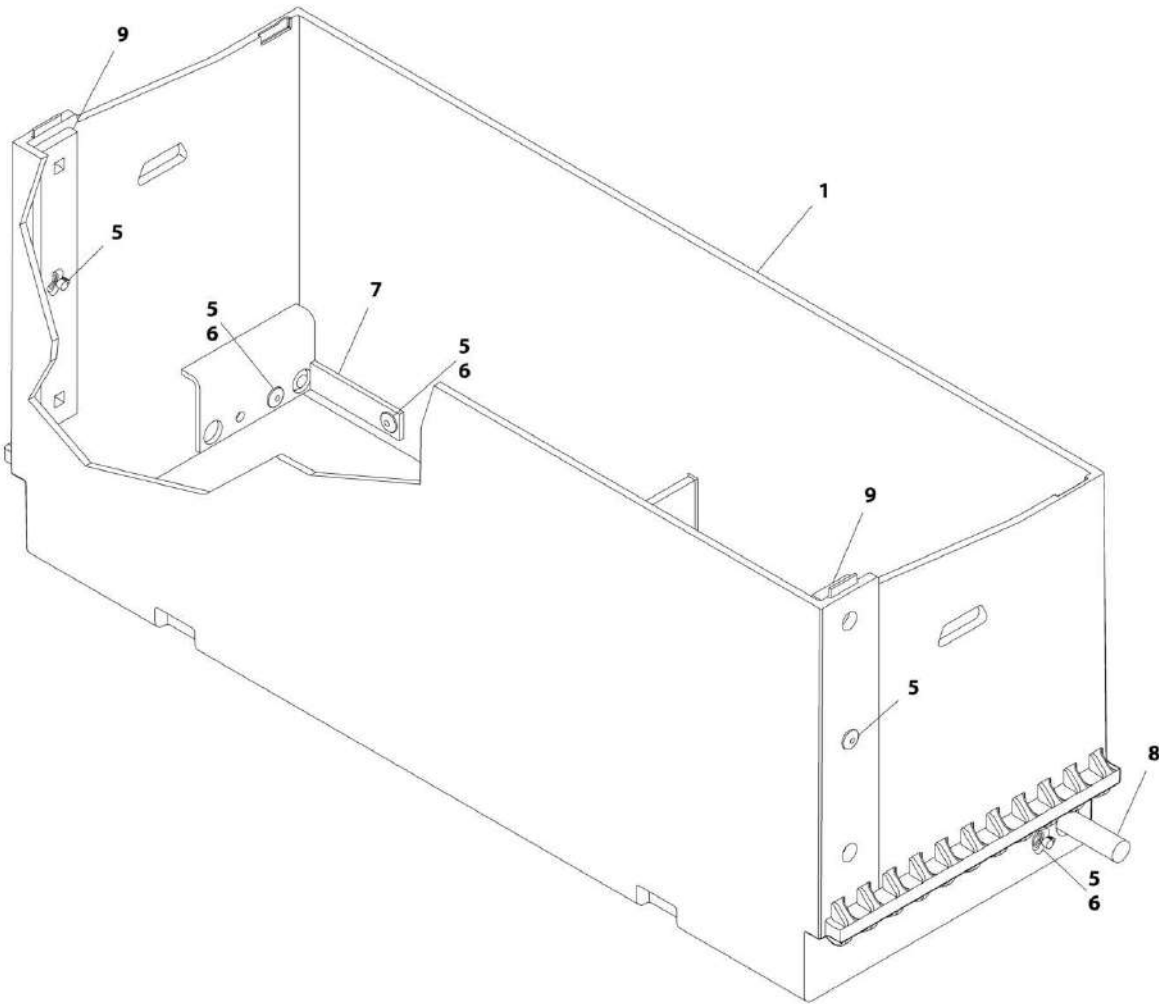
SECTION 2 - GROUND COMPONENTS

FIGURE 2-25. 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 B200020297 through B200045240)	
10	3290605	8	Nut M6	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-26. BATTERY TRAY ASSEMBLY - NON-UL



ART_0273698

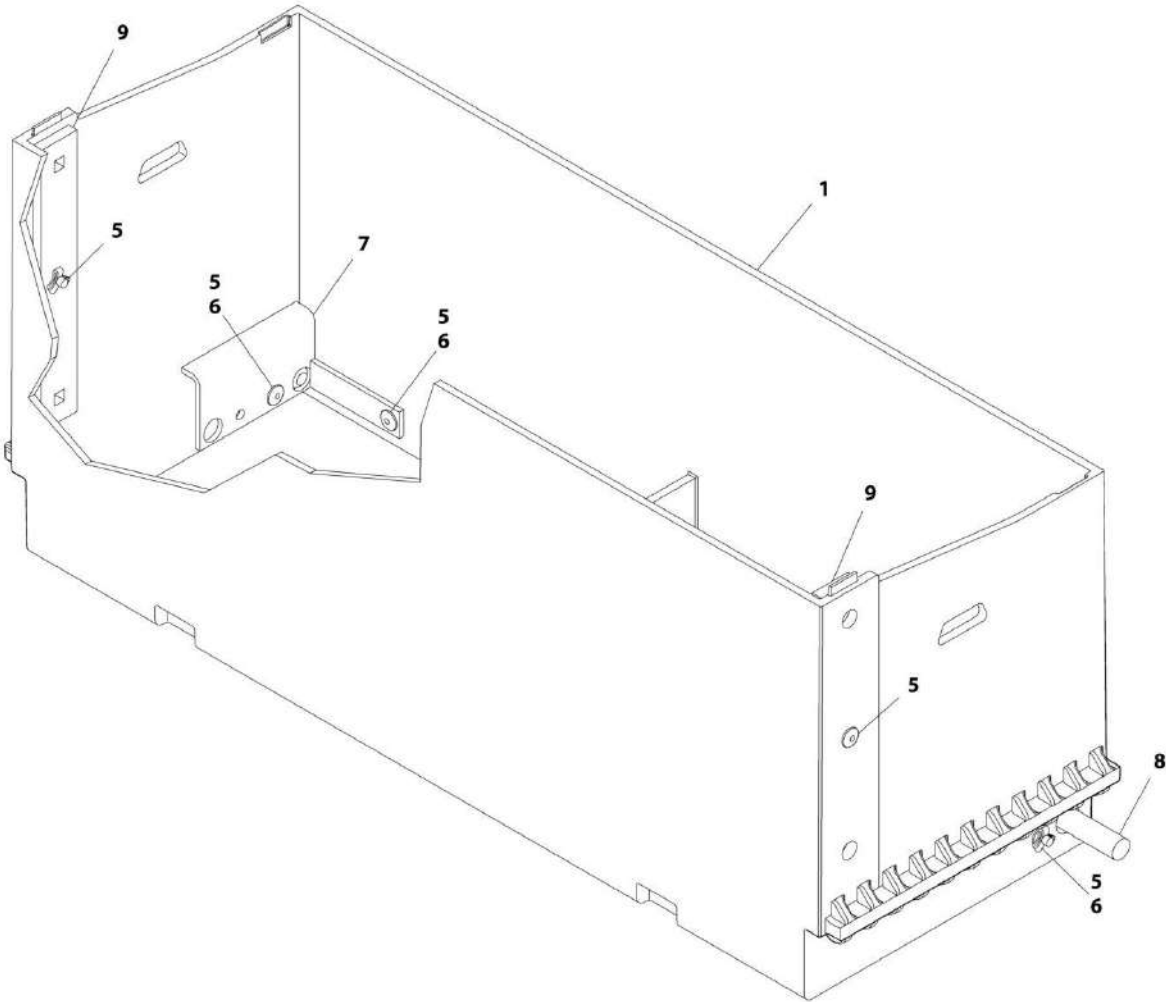
SECTION 2 - GROUND COMPONENTS

FIGURE 2-26. 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 1200030217, SN B200020297 through B200049756, SN M200000100 through M200026260)	
9	1001233888	2	Bar (SN 0200266382 to Present, SN 1200030218 to Present, SN B200049757 to Present, Including M200026261)	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-27. BATTERY TRAY ASSEMBLY - UL



ART_0861678

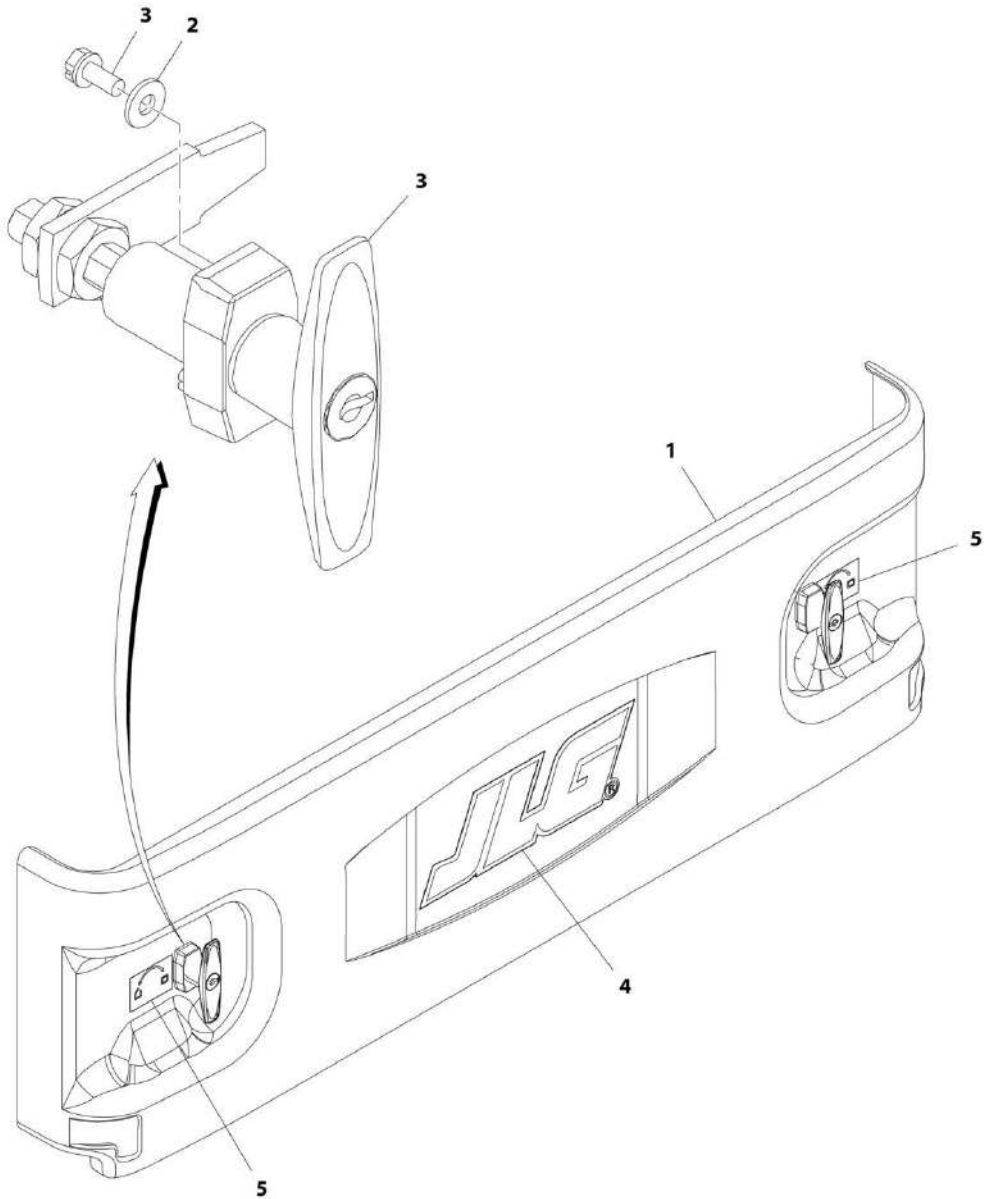
SECTION 2 - GROUND COMPONENTS

FIGURE 2-27. 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 1200030217, SN B200020297 through B200049756, SN M200000100 through M200026260)	
9	1001233888	2	Bar (SN 0200266382 to Present, SN 1200030218 to Present, SN B200049757 to Present, SN M200026261 to Present)	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-28. BATTERY COVER ASSEMBLY - NON-LOCKING



ART_1671202

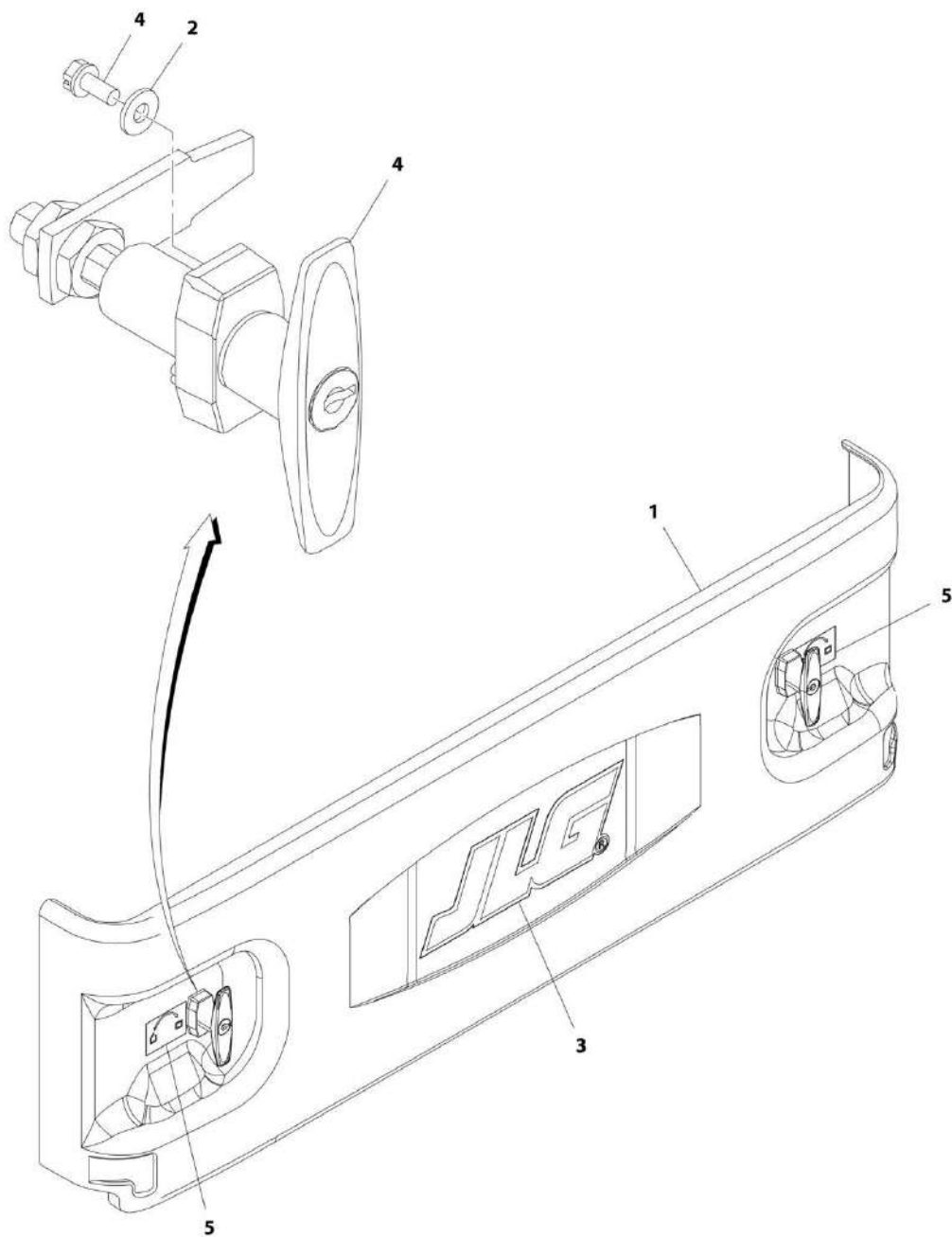
SECTION 2 - GROUND COMPONENTS

FIGURE 2-28. BATTERY COVER ASSEMBLY - NON-LOCKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1671202	Ref	BATTERY COVER ASSEMBLY - NON-LOCKING	I
1	1671203	1	Cover, Battery Less Decals and Latches	
2	4750800	4	Washer #8	
3	2940174	2	Latch, T-Handle	
4	1705754	1	Decal - JLG (SN 0200239382 through 0200262285, SN B200020297 through B200038299, SN M200000100 through M200007989)	
5	1706350	2	Decal - Cover	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-29. BATTERY COVER ASSEMBLY - LOCKING



ART_1671204

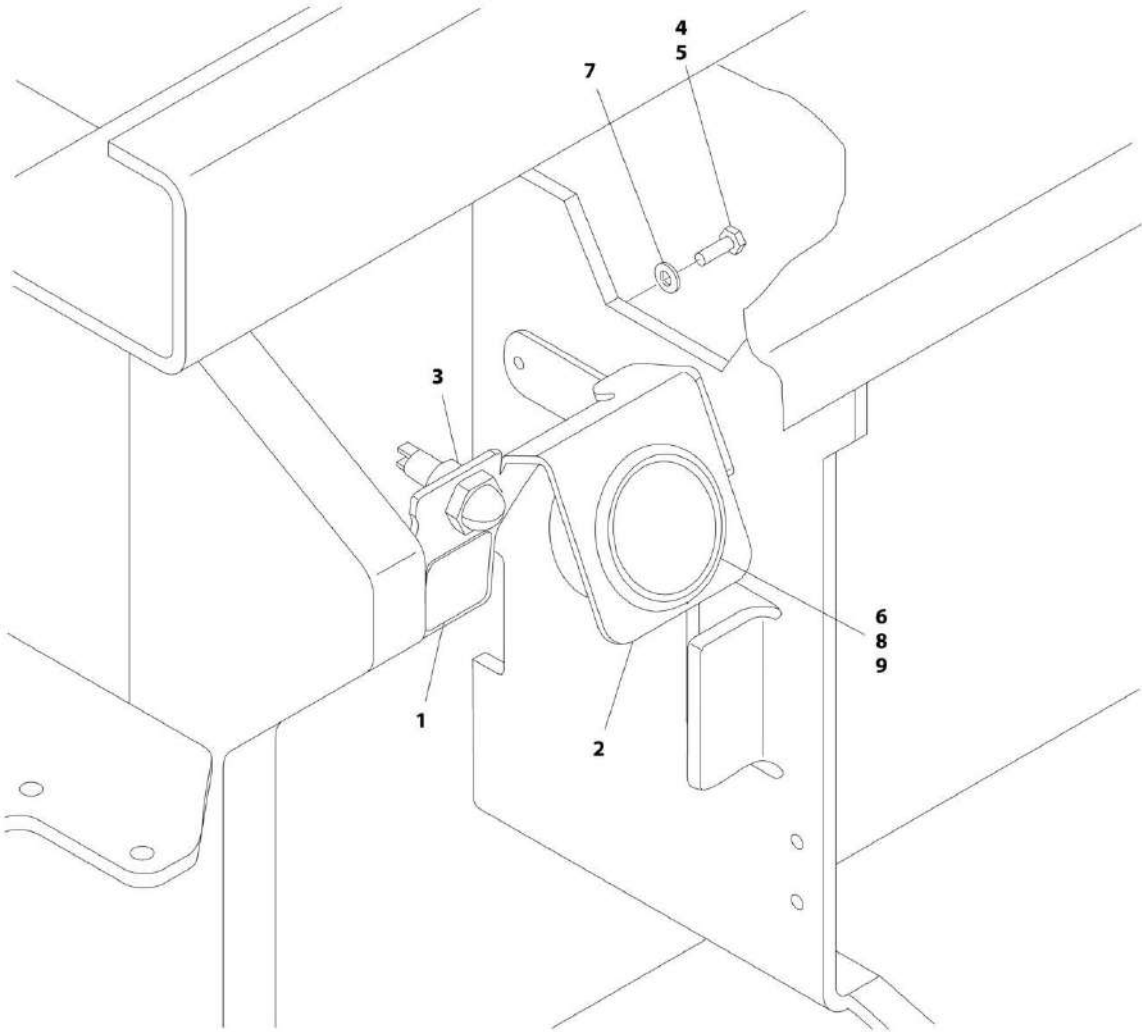
SECTION 2 - GROUND COMPONENTS

FIGURE 2-29. BATTERY COVER ASSEMBLY - LOCKING

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

SECTION 2 - GROUND COMPONENTS

FIGURE 2-30. BRAKE DISCONNECT AND MDI (MULTIFUNCTION DIGITAL INDICATOR) GAUGE INSTALLATION



ART_0275530

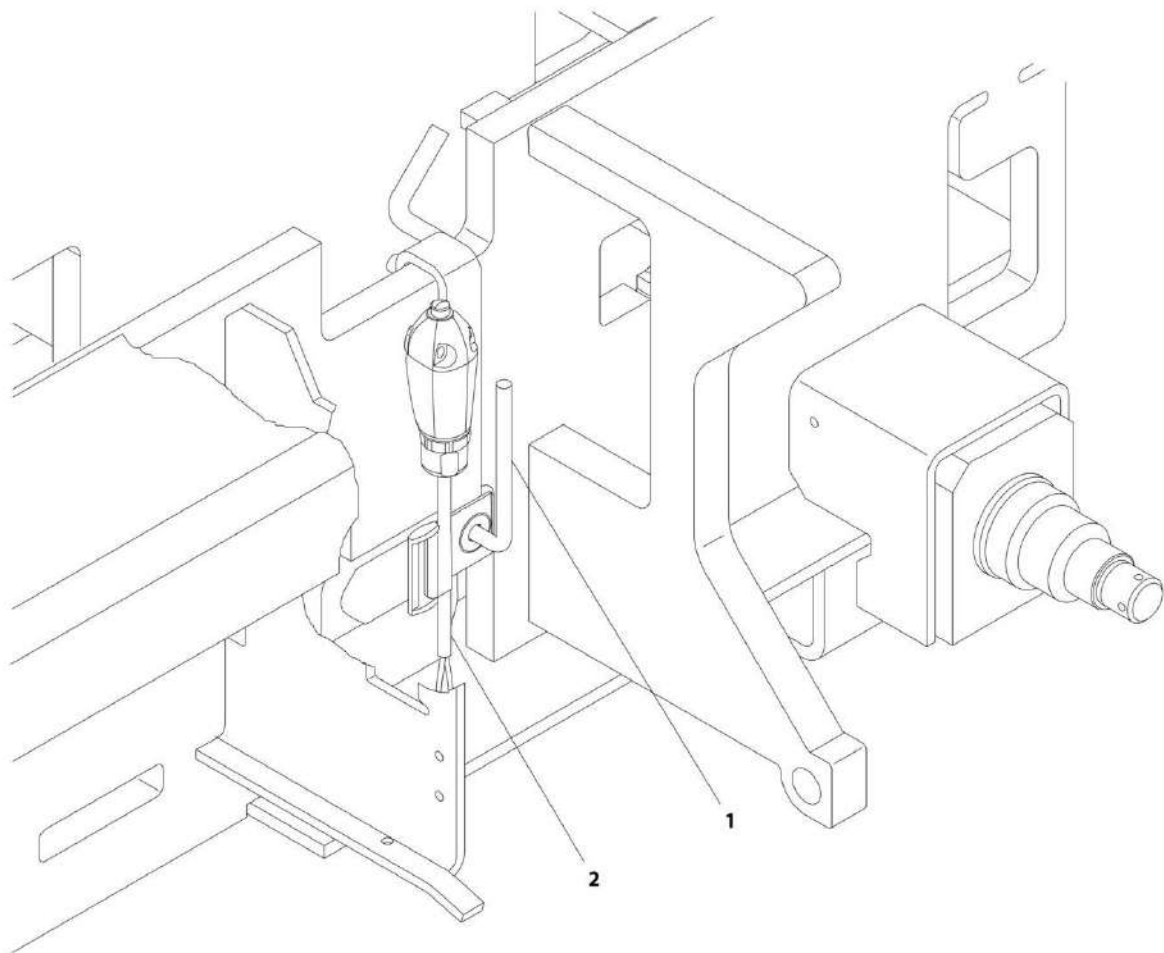
SECTION 2 - GROUND COMPONENTS

FIGURE 2-30. 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 2-31. BRAKE CABLE INSTALLATION (OPTIONAL)



ART_0275432

SECTION 2 - GROUND COMPONENTS

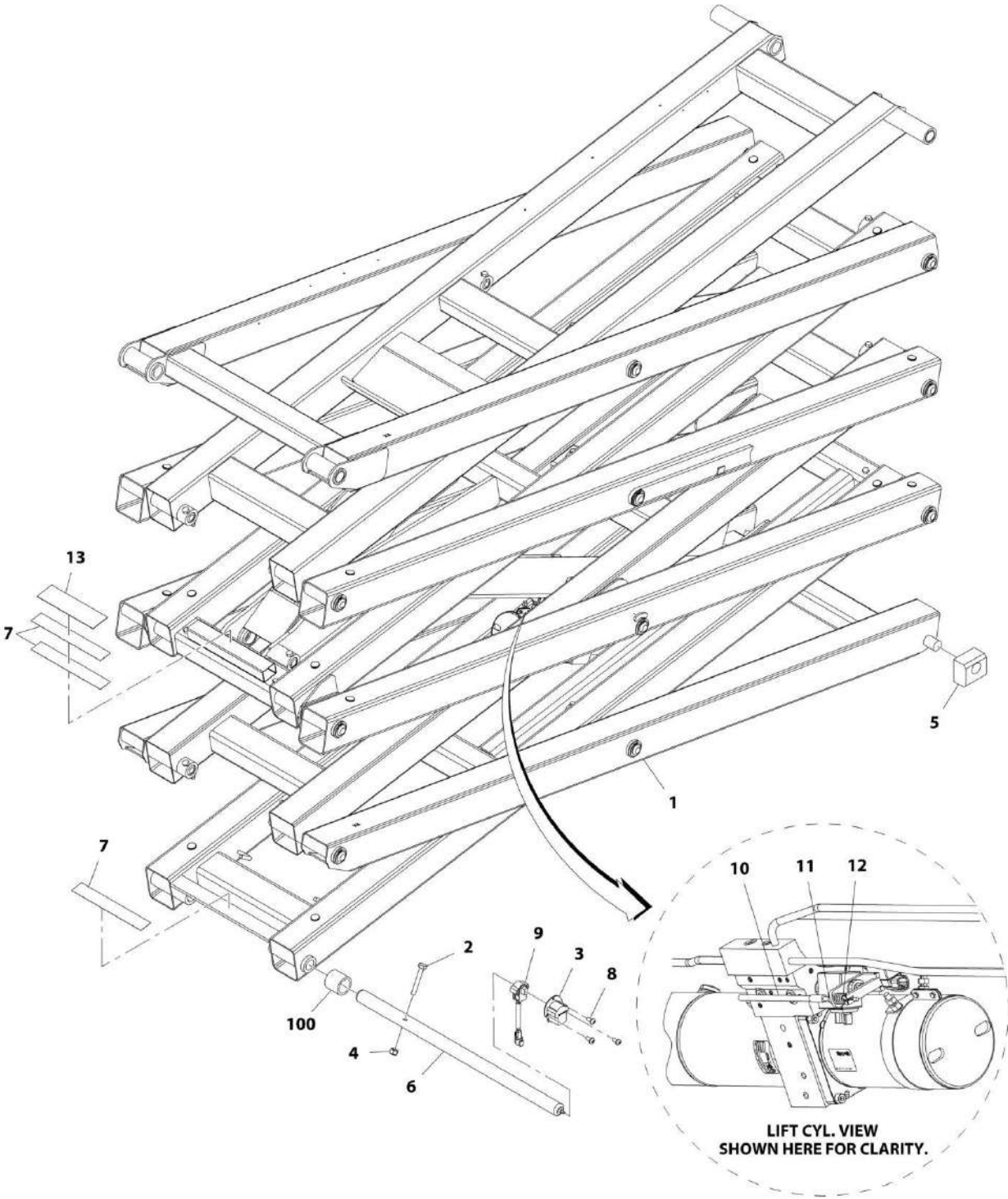
FIGURE 2-31. BRAKE CABLE INSTALLATION (OPTIONAL)

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 - SCISSOR ARMS

SECTION 3 - SCISSOR ARMS

FIGURE 3-1. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)



ART_1001157324

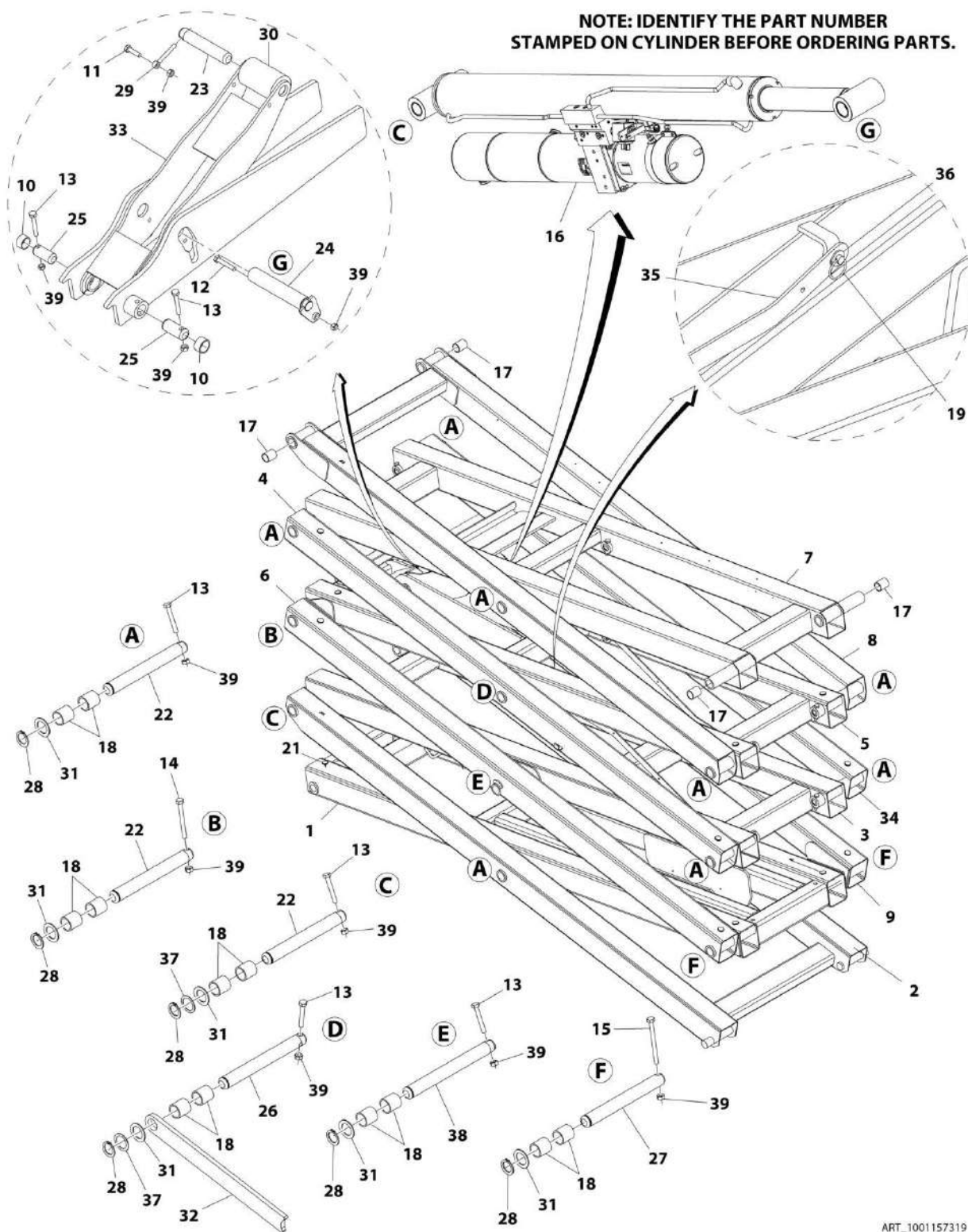
SECTION 3 - SCISSOR ARMS

FIGURE 3-1. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157324	Ref	SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	C
1	1001157319	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) for Breakdown)	
2	0701022	1	Bolt M10 x 70	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3340957	2	Pad, Slide	
6	3423255	1	Pin, Sensor	
7	4420070	3	Tape, Anti-Skid	
8	4191706	3	Screw M6 x 12	
9	1001092354	1	Switch, Rotary Angle Sensor	
9	4460536	1	Receptacle, Female - 3 Position	
9	4460464	3	Pin, Male	
10	1061034	1	Cable, Manual Descent	
10	7020218	1	T-Handle (With 1/4-20 Threads)	
10	70001878	1	T-Handle (With 5mm Threads)	
11	3321402	1	Nut 1/4-28	
12	4160078	1	Spring, Compression	
13	4420080	1	Tape, Safety Tread Step	
100	0440265	2	Bushing (Part of Frame Weldment)	

SECTION 3 - SCISSOR ARMS

FIGURE 3-2. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)



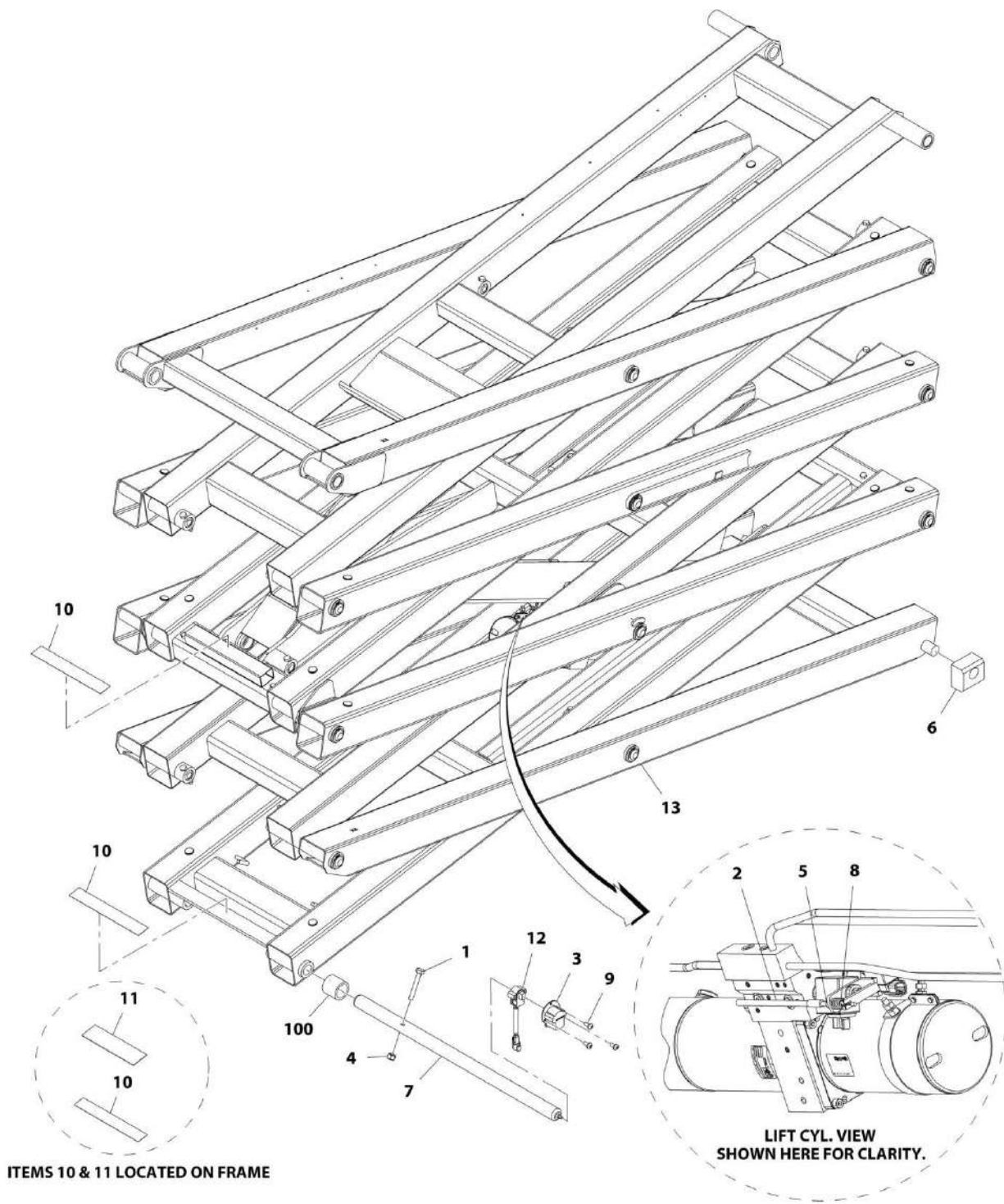
SECTION 3 - SCISSOR ARMS

FIGURE 3-2. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157319	Ref	SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	D
1	0200832	1	Arm - Lower Inboard	
2	0200783	1	Arm - Lower Outboard	
3	0200831	1	Arm - Lower Mid Inboard	
4	0200830	1	Arm - Upper Mid Outboard (Right Side)	
5	0200829	1	Arm - Upper Mid Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200827	1	Arm - Upper Inboard	
8	0200789	1	Arm - Upper Outboard	
9	0200826	1	Arm - Lower Mid Outboard (Left Side)	
10	0440257	2	Bearing	
11	0701016	1	Bolt M10 x 40	
12	0701020	1	Bolt M10 x 60	
13	0701022	19	Bolt M10 x 70	
14	0701027	2	Bolt M10 x 100	
15	0701029	2	Bolt M10 x 120	
16	1001155843	1	Lift Cylinder Assembly - Standard Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
17	0440266	4	Bearing	
18	0440267	40	Bearing	
19	3760170	4	Ring, Split	
21	3340962	24	Pad, Arm	
22	3422997	17	Pin	
23	3422998	1	Pin	
24	3423009	NLA	Pin (Use p/n 1001226707)	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3760387	20	Ring, Retaining	
29	3841143	1	Keeper, Pin	
30	3860104	1	Roller, Arm Kicker	
31	4740438	20	Washer	
32	3574161	1	Bar, Prop Attach	
33	4846684	1	Weld, Kicker	
34	0200820	1	Arm - Upper Mid Outboard (Left Side)	
35	1180380	2	Carrier, Cable	
36	4812000	4	Washer M10	
37	4071094	AR	Shim, Spacer	
38	3423170	1	Pin	
39	3291007	25	Nut M10	

SECTION 3 - SCISSOR ARMS

FIGURE 3-3. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 through M200022030)



ART_1001191067

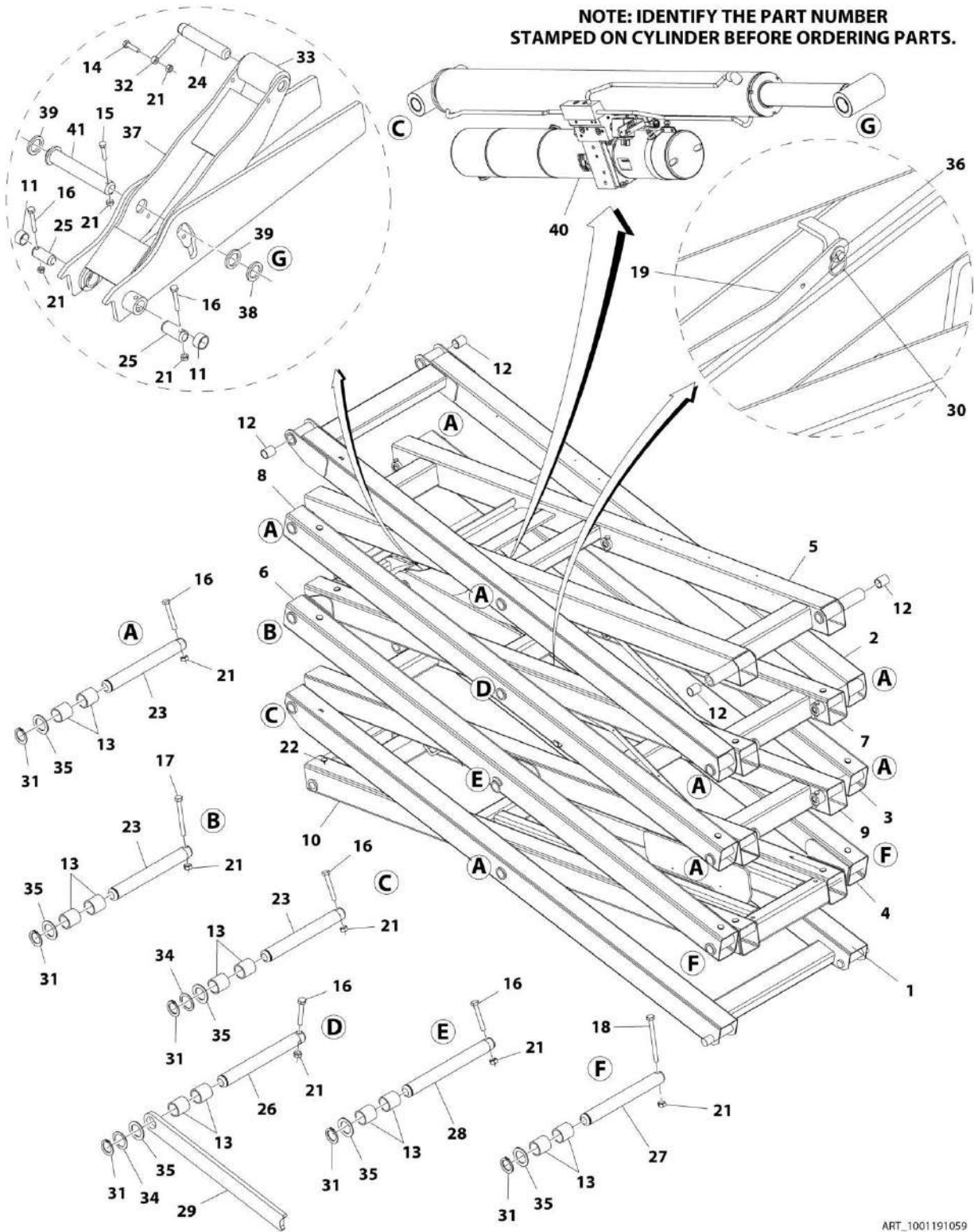
SECTION 3 - SCISSOR ARMS

FIGURE 3-3. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 through M200022030)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191067	Ref	SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 through M200022030)	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4-28	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Tread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191059	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) for Breakdown)	
100	0440265	2	Bushing (Part of Frame Weldment)	

SECTION 3 - SCISSOR ARMS

FIGURE 3-4. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)



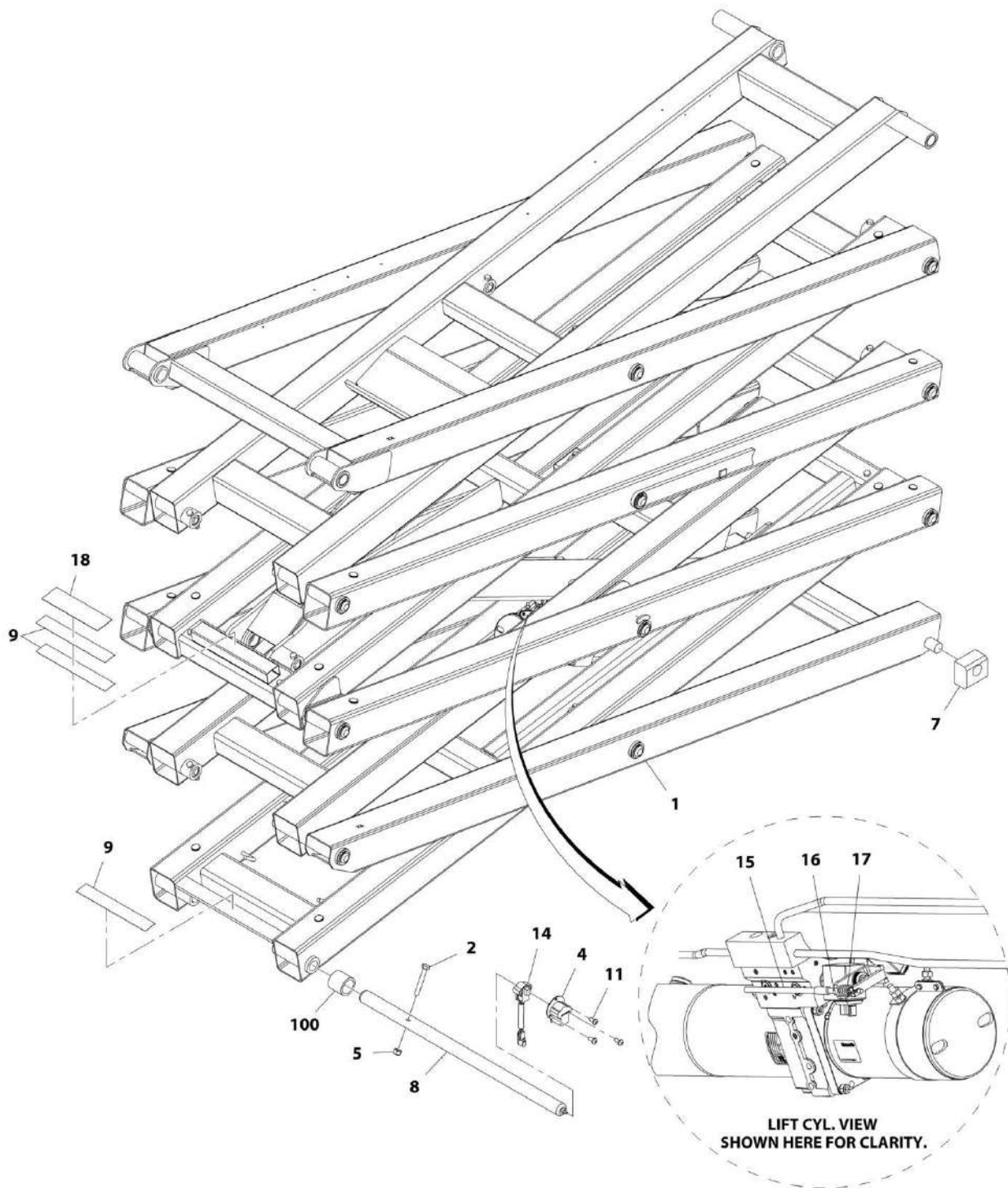
SECTION 3 - SCISSOR ARMS

FIGURE 3-4. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191059	Ref	SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	B
1	0200783	1	Arm - Lower Outboard (SN 0200241221 through 02000260978, SN M200000100 through M200006323)	
1	1001219386	1	Arm - Lower Outboard (SN 02000260979 to Present, SN M200006324 to Present)	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291007	25	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3423170	1	Pin	
29	3574161	1	Bar, Prop Attach	
30	3760170	4	Ring, Split	
31	3760387	20	Ring, Retaining	
32	3841143	1	Keeper, Pin	
33	3860104	1	Roller, Arm Kicker	
34	4071094	AR	Shim, Spacer	
35	4740438	20	Washer	
36	4812000	4	Washer M10	
37	4846684	1	Kicker Weldment	
38	1001139000	1	Plate	
39	1001139002	2	Washer	
40	1001155843	1	Lift Cylinder Assembly - Standard Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
41	1001191121	1	Pin	

SECTION 3 - SCISSOR ARMS

FIGURE 3-5. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES (SN B200020297 through B200020981)



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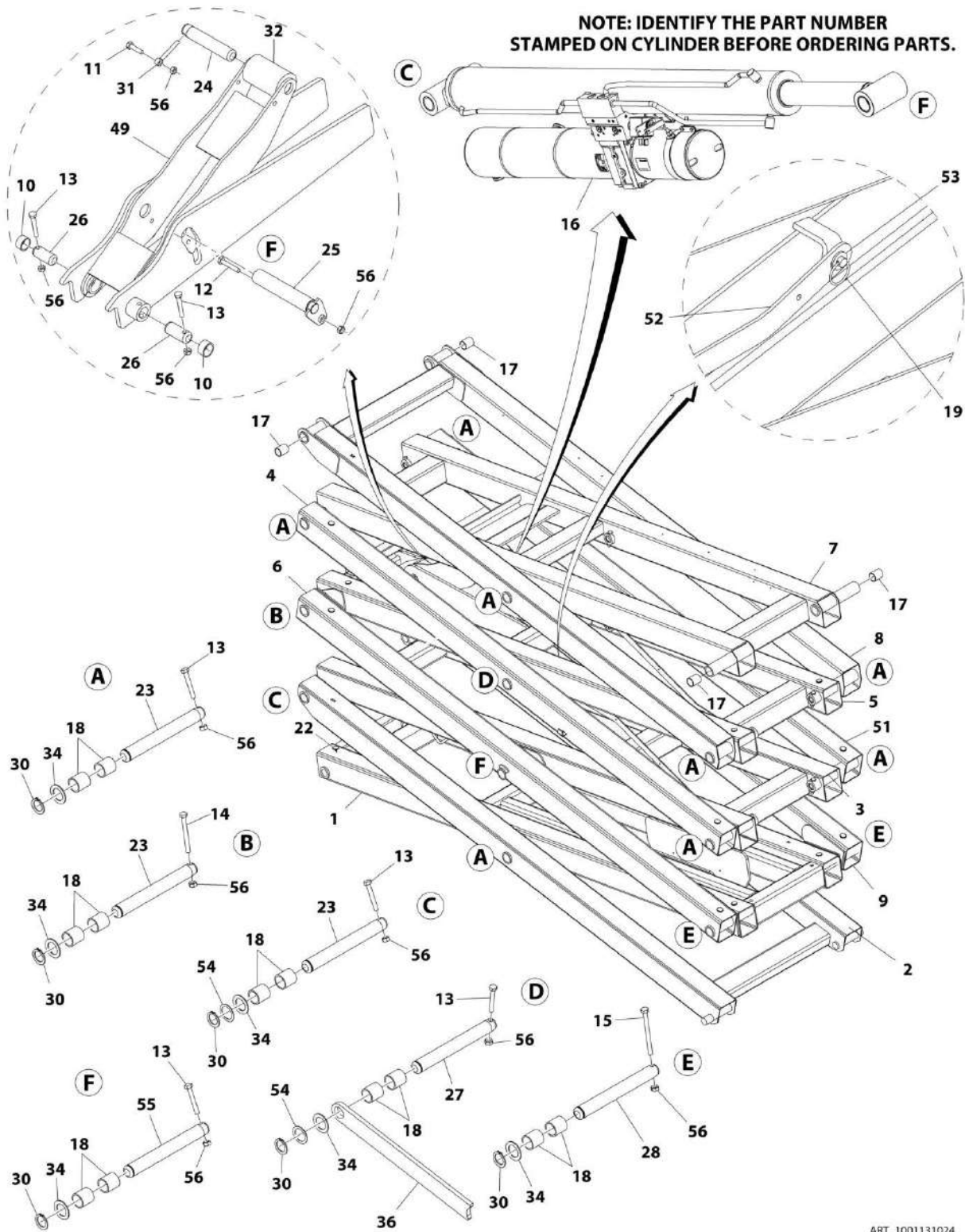
SECTION 3 - SCISSOR ARMS

FIGURE 3-5. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES (SN B200020297 through B200020981)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131007	Ref	SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	F
1	1001131024	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) for Breakdown)	
2	0701022	1	Bolt M10 x 70	
4	3200454	1	Mount, Switch	
5	3291005	1	Nut M10	
7	3340957	2	Pad, Slide	
8	3423255	1	Pin, Sensor	
9	4420070	3	Tape, Anti-Skid	
11	4191706	3	Screw M6 x 12	
14	1001092354	1	Switch, Rotary Angle Sensor	
14	4460536	1	Receptacle, Female - 3 Position	
14	4460464	3	Pin, Male	
15	1061034	1	Cable, Manual Descent	
15	7020218	1	T-Handle (With 1/4-20 Threads)	
15	70001878	1	T-Handle (With 5mm Threads)	
16	3321402	1	Nut 1/4-28	
17	4160078	1	Spring, Compression	
18	4420080	1	Tape, Safety Tread Step	
100	0440265	2	Bushing (Part of Frame Weldment)	

SECTION 3 - SCISSOR ARMS

FIGURE 3-6. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)



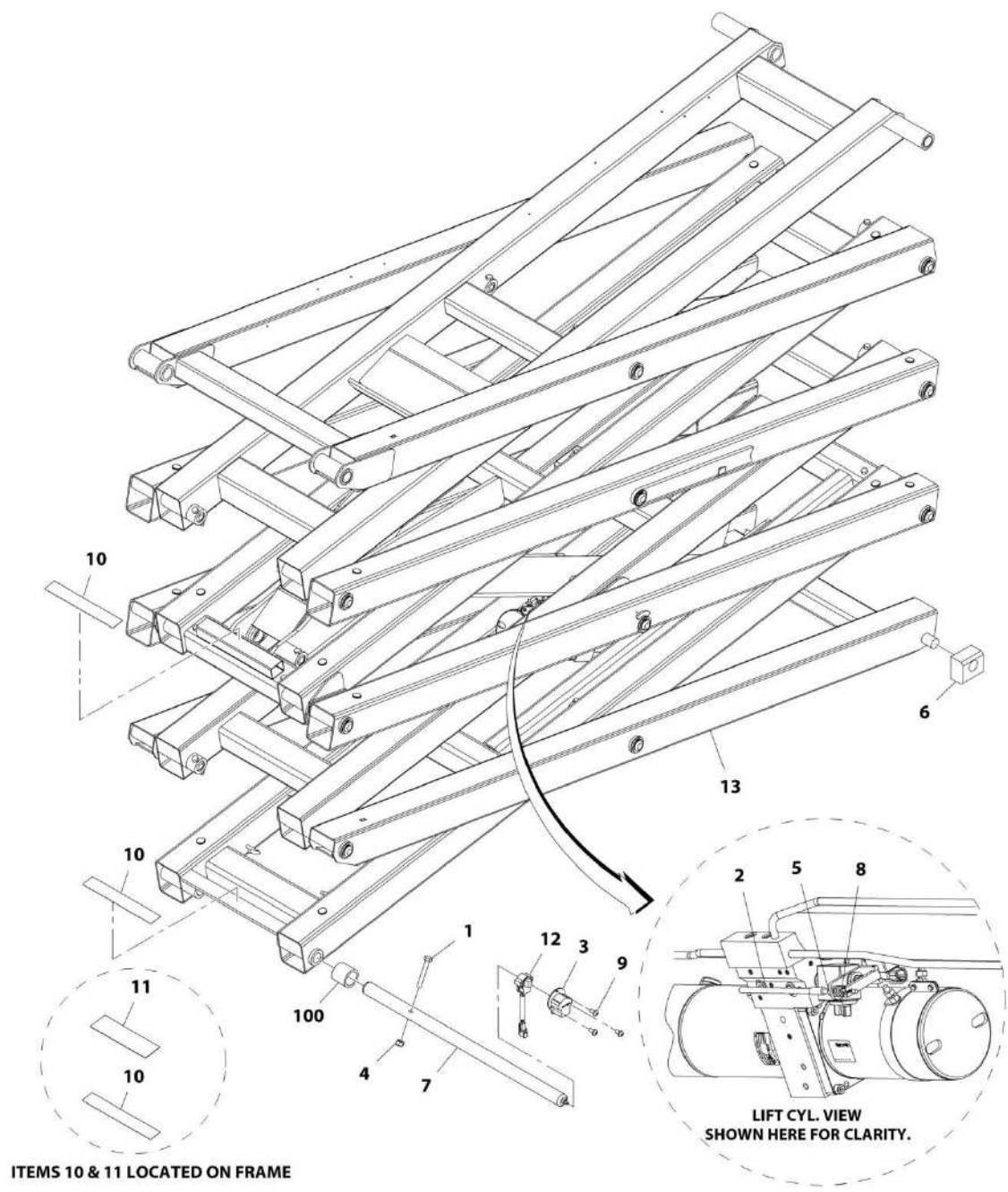
SECTION 3 - SCISSOR ARMS

FIGURE 3-6. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131024	Ref	SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	G
1	0200832	1	Arm - Lower Inboard	
2	0200783	1	Arm - Upper Outboard	
3	0200831	1	Arm - Lower Mid Inboard	
4	0200830	1	Arm - Upper Mid Outboard (Right Side)	
5	0200829	1	Arm - Upper Mid Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200827	1	Arm - Upper Inboard	
8	0200789	1	Arm - Upper Outboard	
9	0200826	1	Arm - Lower Mid Outboard (Left Side)	
10	0440257	2	Bearing	
11	0701016	1	Bolt M10 x 40	
12	0701020	1	Bolt M10 x 60	
13	0701022	19	Bolt M10 x 70	
14	0701027	2	Bolt M10 x 100	
15	0701029	2	Bolt M10 x 120	
16	1001129291	1	Lift Cylinder Assembly - Standard Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
17	0440266	1	Bearing	
18	0440267	40	Bearing	
19	3760170	4	Ring, Split	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423009	NLA	Pin (Use p/n 1001226707)	
26	3423011	2	Pin	
27	3423014	1	Pin	
28	3423026	2	Pin	
30	3760387	20	Ring, Retaining	
31	3841143	1	Keeper, Pin	
32	3860104	1	Roller, Arm Kicker	
34	4740438	20	Washer	
36	3574161	1	Bar, Prop Attach	
49	4846684	1	Weld, Kicker	
51	0200820	1	Arm - Upper Mid Outboard (Left Side)	
52	1180380	2	Carrier, Cable	
53	4812000	4	Washer M10	
54	4071094	1	Shim, Spacer	
55	3423170	1	Pin	
56	3291007	25	Nut M10	

SECTION 3 - SCISSOR ARMS

FIGURE 3-7. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES) (SN 1200025021 to Present, SN B200020982 to Present, SN M200022031 to Present)



ART_1001191063

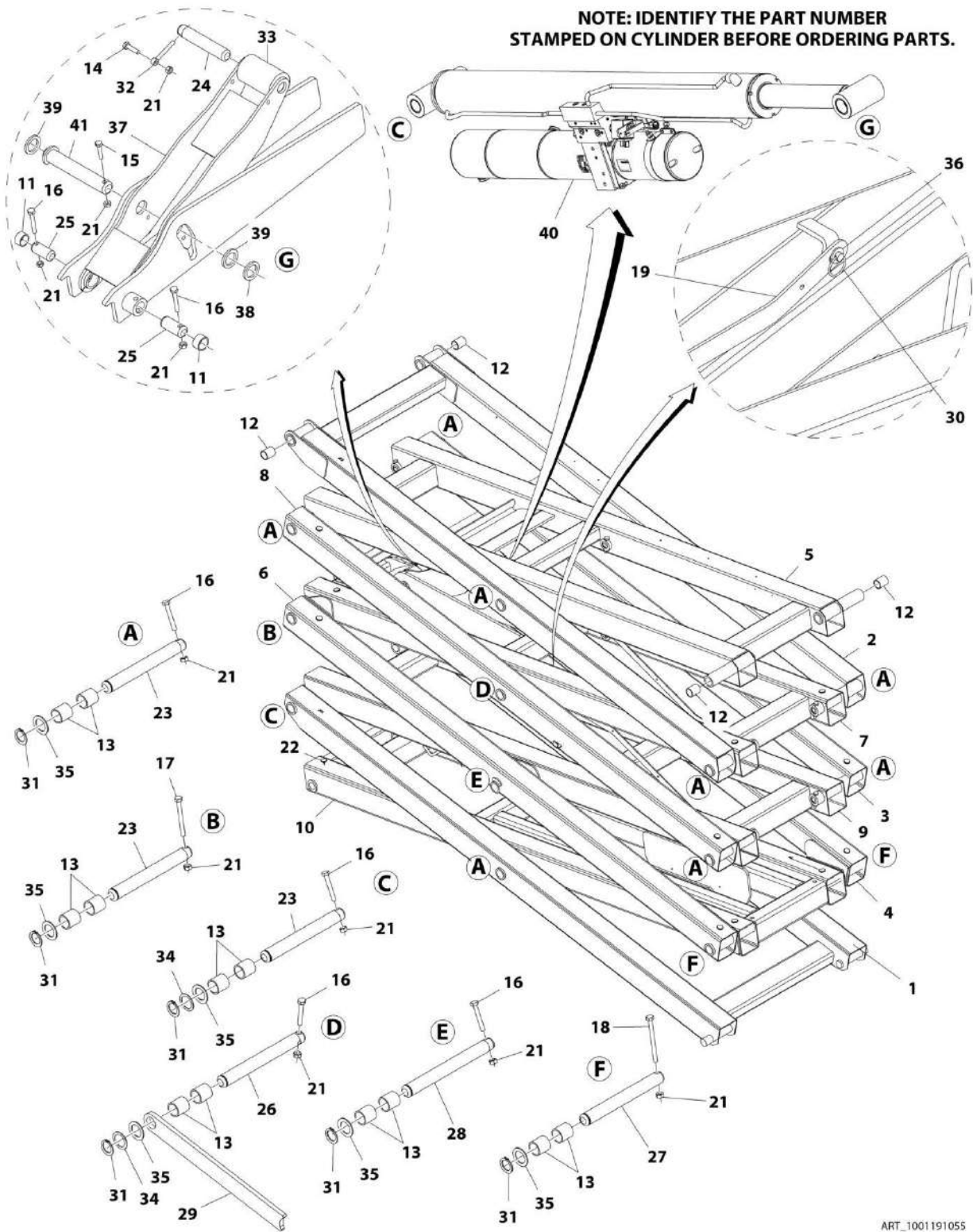
SECTION 3 - SCISSOR ARMS

FIGURE 3-7. SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES) (SN 1200025021 to Present, SN B200020982 to Present, SN M200022031 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191063	Ref	SCISSORS ARMS INSTALLATION - 2646ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES) (SN 1200025021 to Present, SN B200020982 to Present, SN M200022031 to Present)	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Tread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191055	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) for Breakdown)	
100	0440265	2	Bushing (Part of Frame Weldment)	

SECTION 3 - SCISSOR ARMS

FIGURE 3-8. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)



ART_1001191055

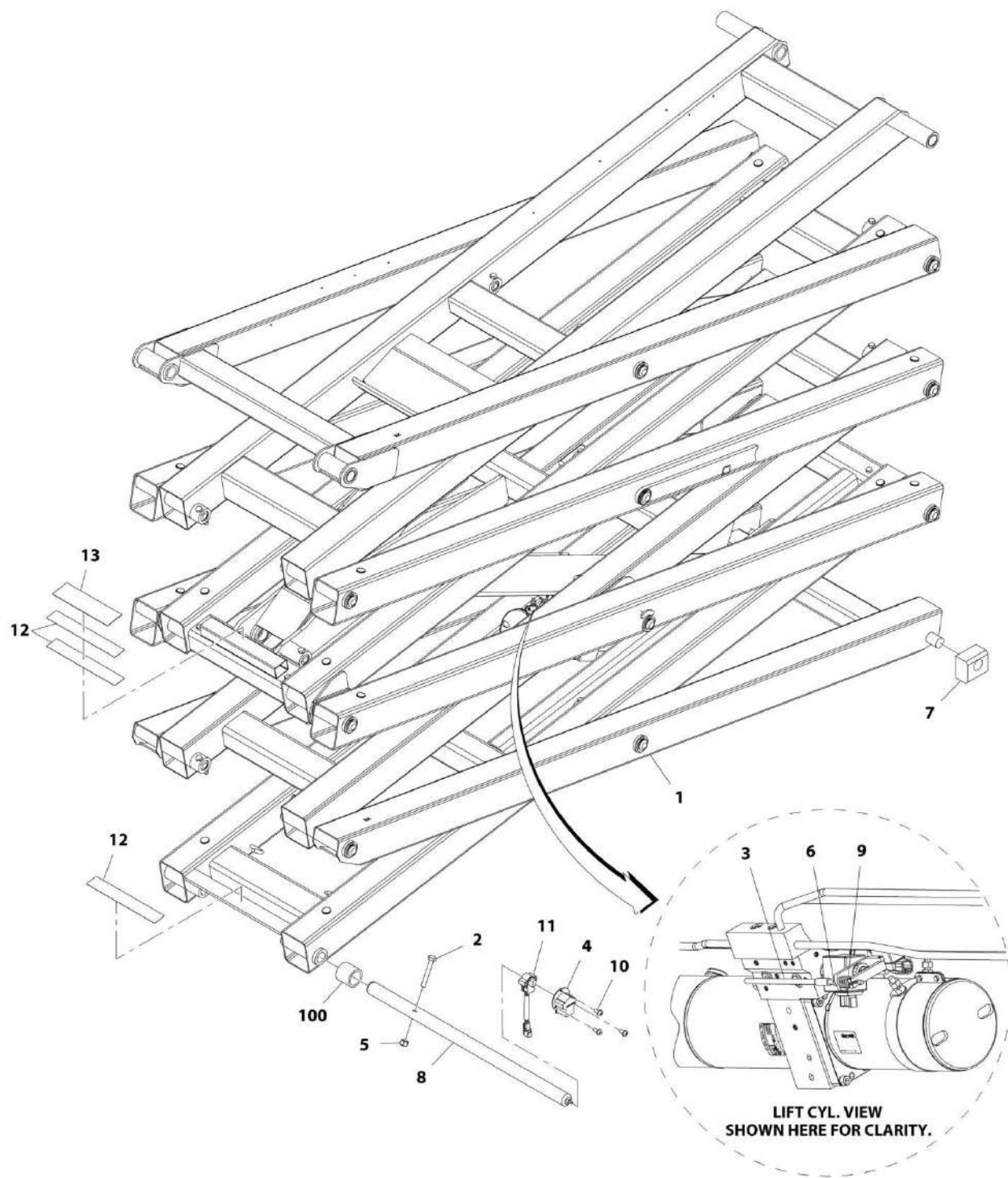
SECTION 3 - SCISSOR ARMS

FIGURE 3-8. SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191055	Ref	SCISSORS ARMS ASSEMBLY - 2646ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)	B
1	0200783	1	Arm - Lower Outboard (SN B200020982 through B200037621)	
1	1001219386	1	Arm - Lower Outboard (SN B200037622 to Present)	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291007	25	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3760170	1	Pin	
29	3574161	1	Bar, Prop Attach	
30	3423170	4	Right, Split	
31	3760387	20	Ring, Retaining	
32	3841143	1	Keeper, Pin	
33	3860104	1	Roller, Arm Kicker	
34	4071094	AR	Shim, Spacer	
35	4740438	20	Washer	
36	4812000	4	Washer M10	
37	4846684	1	Kicker Weldment	
38	1001139000	1	Plate	
39	1001139002	2	Washer	
40	1001129291	1	Life Cylinder Assembly - Standard Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
41	1001191121	1	Pin	

SECTION 3 - SCISSOR ARMS

FIGURE 3-9. SCISSOR ARMS INSTALLATION - 2646ES BIODEGRADABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)



ART_1001157342

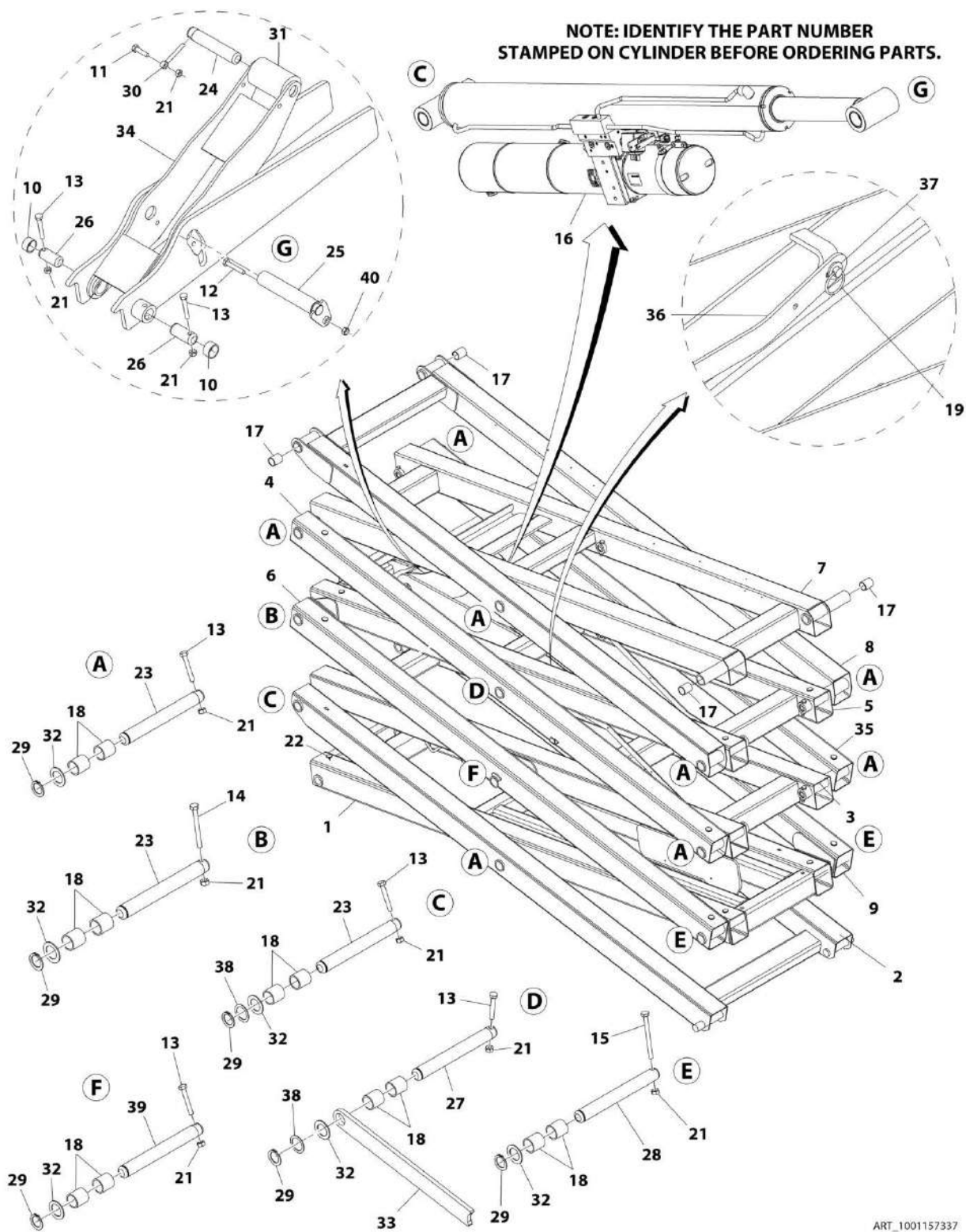
SECTION 3 - SCISSOR ARMS

FIGURE 3-9. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157342	Ref	SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	B
1	1001157337	1	Arm Assembly (See SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADABLE HYDRAULIC OIL (USA BUILT MACHINES) for Breakdown)	
2	0701022	1	Bolt M10 x 70	
3	1061034	1	Cable, Manual Descent	
3	7020218	1	T-Handle (With 1/4-20 Threads)	
3	70001878	1	T-Handle (With 5mm Threads)	
4	3200454	1	Mount, Switch	
5	3291005	1	Nut M10	
6	3321402	1	Nut 1/4	
7	3340957	2	Pad, Slide	
8	3423255	1	Pin, Sensor	
9	4160078	1	Spring, Compression	
10	4191706	3	Screw M6 x 12	
11	1001092354	1	Switch, Rotary Angle Sensor	
11	4460536	1	Receptacle, Female - 3 Position	
11	4460464	3	Pin, Male	
12	4420070	3	Tape, Anti-Skid	
13	4420080	1	Tape, Safety Tread Step	
100	0440265	2	Bushing (Part of Frame Weldment)	

SECTION 3 - SCISSOR ARMS

FIGURE 3-10. SCISSOR ARMS ASSEMBLY - 2646ES BIODEGRADABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)



ART_1001157337

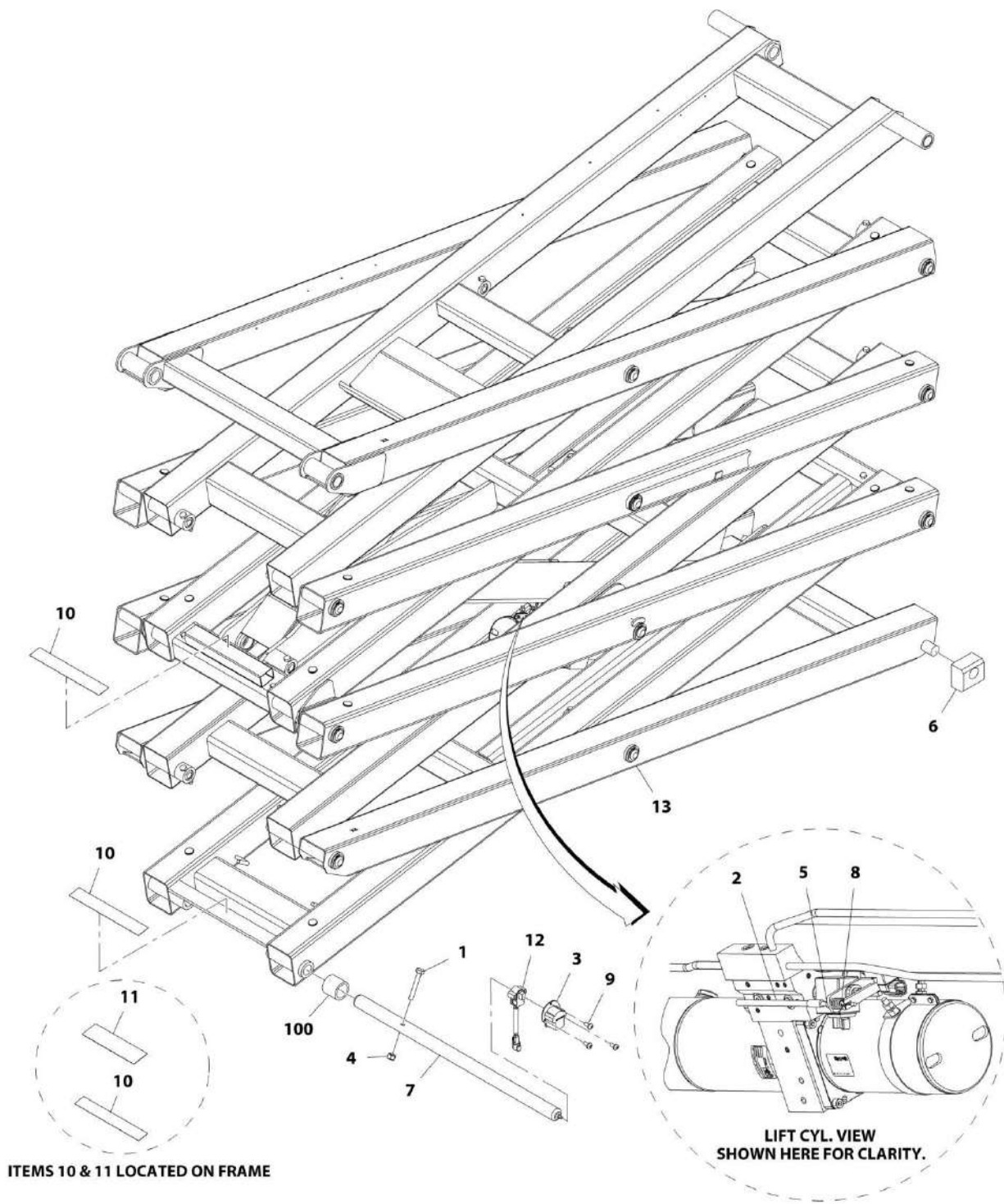
SECTION 3 - SCISSOR ARMS

FIGURE 3-10. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157337	Ref	SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	B
1	0200832	1	Arm - Lower Inboard	
2	0200783	1	Arm - Upper Outboard	
3	0200831	1	Arm - Lower Mid Inboard	
4	0200830	1	Arm - Upper Mid Outboard (Right Side)	
5	0200829	1	Arm - Upper Mid Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200827	1	Arm - Upper Inboard	
8	0200789	1	Arm - Upper Outboard	
9	0200826	1	Arm - Lower Mid Outboard (Left Side)	
10	0440257	2	Bearing	
11	0701016	1	Bolt M10 x 40	
12	0701020	1	Bolt M10 x 60	
13	0701022	19	Bolt M10 x 70	
14	0701027	2	Bolt M10 x 100	
15	0701029	2	Bolt M10 x 120	
16	1001157332	1	Lift Cylinder Assembly - Biodegradeable Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
17	0440266	4	Bearing	
18	0440267	40	Bearing	
19	3760170	4	Ring, Split	
21	3291005	24	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423009	NLA	Pin (Use p/n 1001226707)	
26	3423011	2	Pin	
27	3423014	1	Pin	
28	3423026	2	Pin	
29	3760387	20	Ring, Retaining	
30	3841143	1	Keeper, Pin	
31	3860104	1	Roller, Arm Kicker	
32	4740438	20	Washer	
33	3574161	1	Bar, Prop Attach	
34	4846684	1	Weld, Kicker	
35	0200820	1	Arm - Upper Mid Outboard (Left Side)	
36	1180380	2	Carrier, Cable	
37	4812000	4	Washer M10	
38	4071094	1	Shim, Spacer	
39	3423170	1	Pin	
40	3291007	1	Nut M10	

SECTION 3 - SCISSOR ARMS

FIGURE 3-11. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)



ART_1001191069

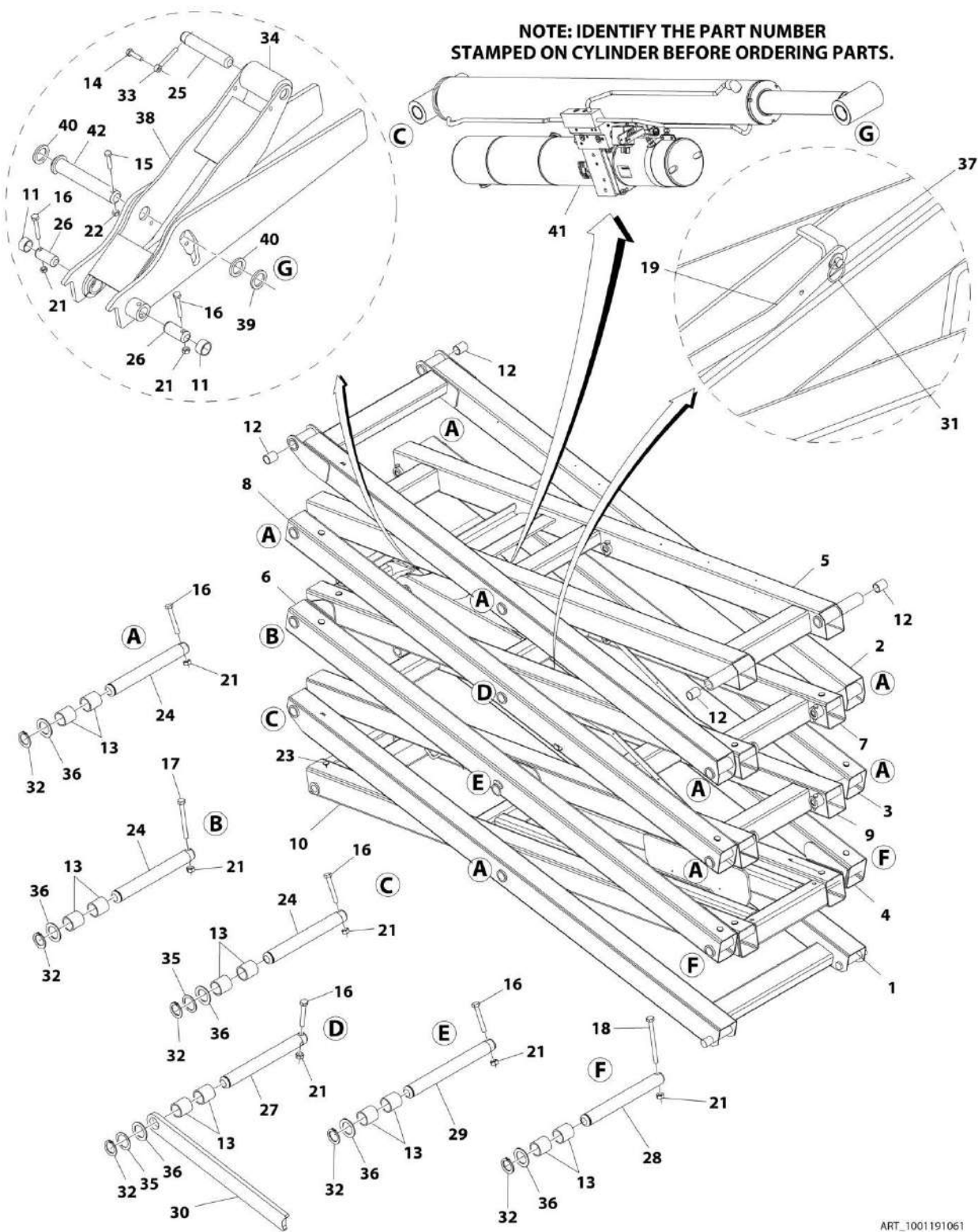
SECTION 3 - SCISSOR ARMS

FIGURE 3-11. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191069	Ref	SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Thread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191061	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) for Breakdown)	
100	0440265	2	Bushing (Part of Frame Weldment)	

SECTION 3 - SCISSOR ARMS

FIGURE 3-12. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)



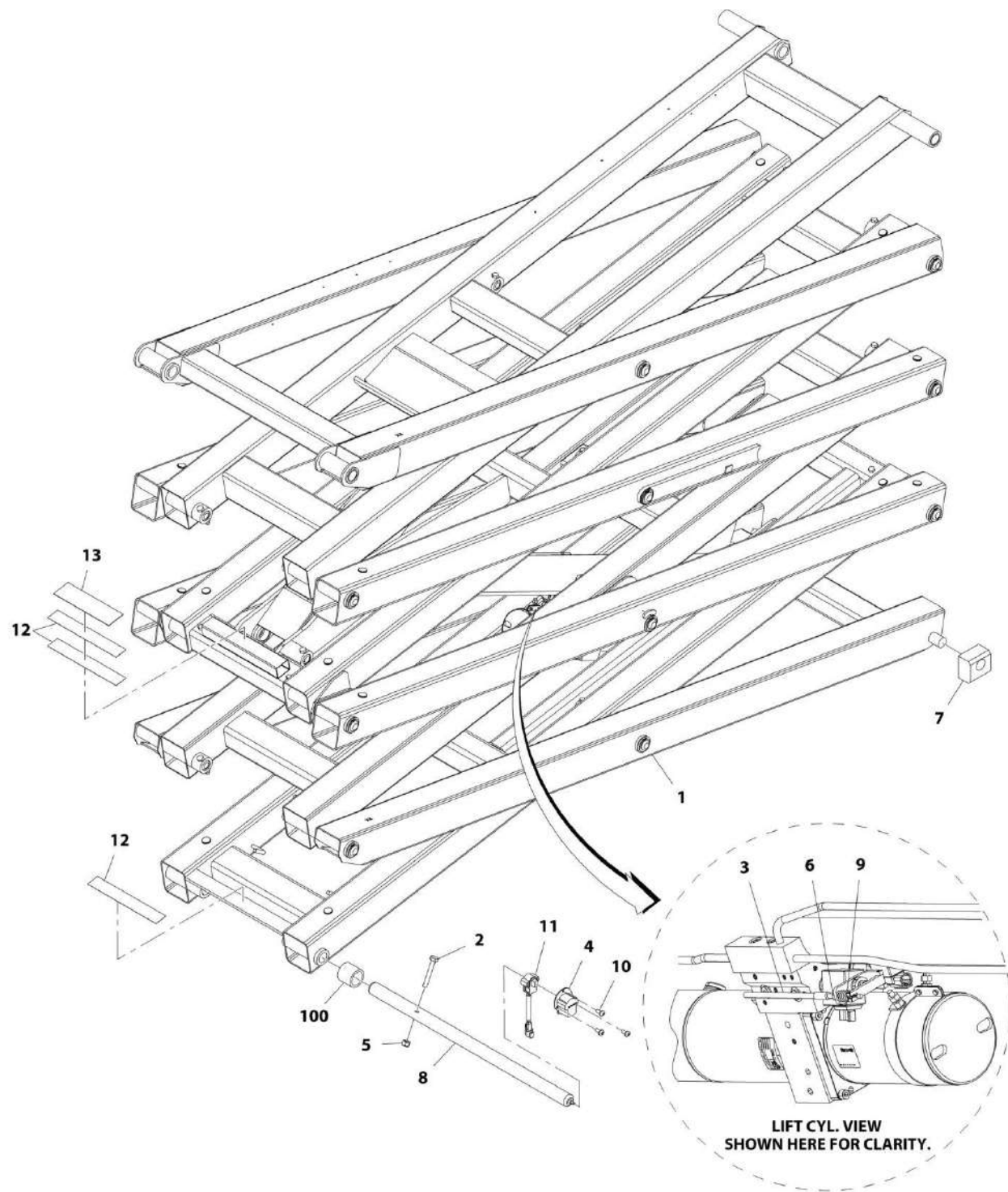
SECTION 3 - SCISSOR ARMS

FIGURE 3-12. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191061	Ref	SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	B
1	0200783	1	Arm - Lower Outboard (SN 0200241221 through 0200260973, SN M200000100 through M200006323)	
1	1001219386	1	Arm - Lower Outboard (SN 0200260974 to Present, SN M200006324 to Present)	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291005	24	Nut M10	
22	3291007	1	Nut M10	
23	3340962	24	Pad, Arm	
24	3422997	17	Pin	
25	3422998	1	Pin	
26	3423011	2	Pin	
27	3423014	1	Pin	
28	3423026	2	Pin	
29	3423170	1	Pin	
30	3574161	1	Bar, Prop Attach	
31	3760170	4	Ring, Split	
32	3760387	20	Ring, Retaining	
33	3841143	1	Keeper, Pin	
34	3860104	1	Roller, Arm Kicker	
35	4071094	AR	Shim, Spacer	
36	4740438	20	Washer	
37	4812000	4	Washer M10	
38	4846684	1	Kicker Weldment	
39	1001139000	1	Plate	
40	1001139002	2	Washer	
41	1001157332	1	Life Cylinder Assembly - Biodegradeable Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
42	1001191121	1	Pin	

SECTION 3 - SCISSOR ARMS

FIGURE 3-13. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL
(CHINA BUILT MACHINES) (SN B200020297 through B200020981)



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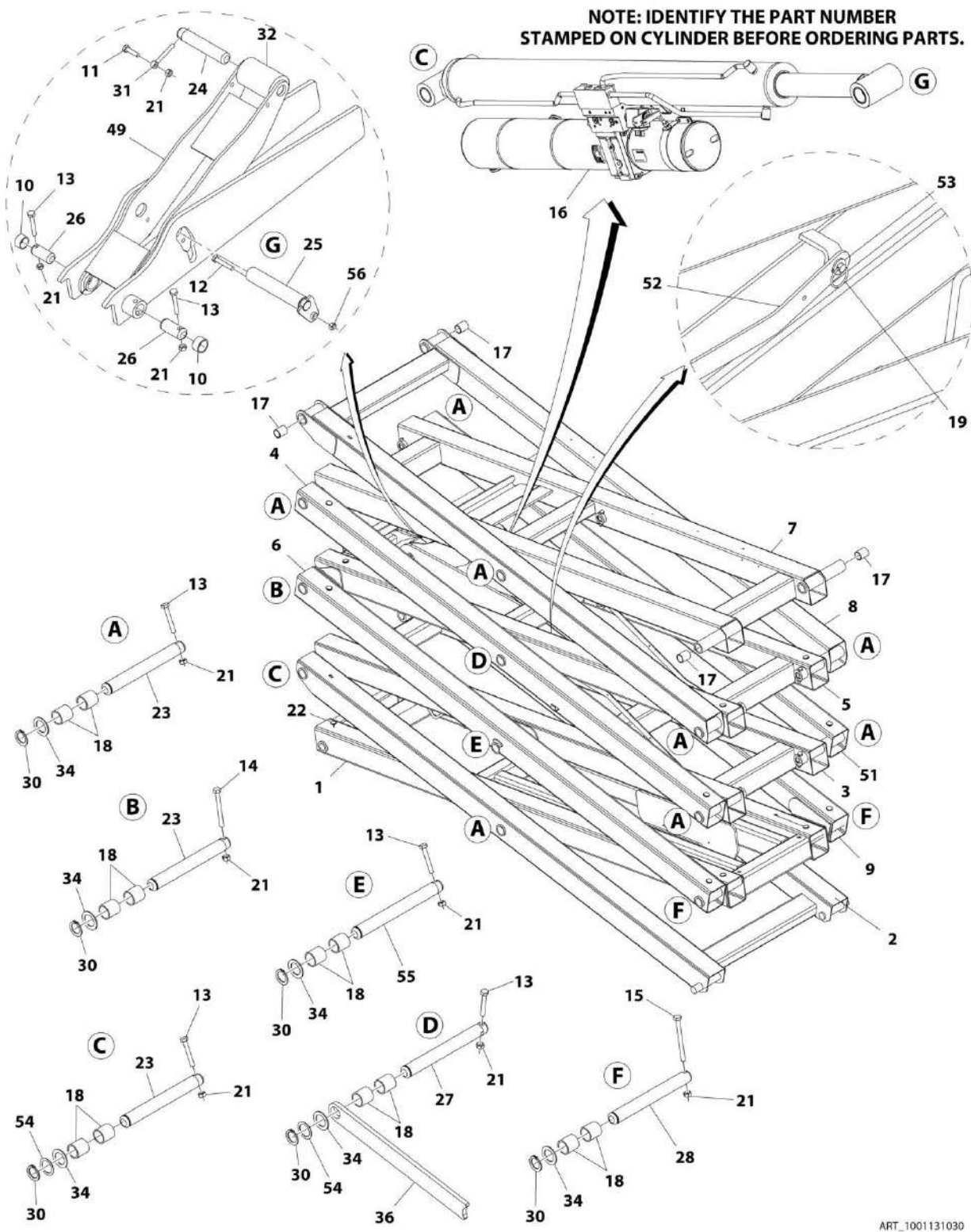
SECTION 3 - SCISSOR ARMS

FIGURE 3-13. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131012	Ref	SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	D
1	1001131030	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) for Breakdown)	
2	0701022	1	Bolt M10 x 70	
3	1061034	1	Cable, Manual Descent	
3	7020218	1	T-Handle (With 1/4-20 Threads)	
3	70001878	1	T-Handle (With 5mm Threads)	
4	3200454	1	Mount, Switch	
5	3291005	1	Nut M10	
6	3321402	1	Nut 1/4	
7	3340957	2	Pad, Slide	
8	3423255	1	Pin, Sensor	
9	4160078	1	Spring, Compression	
10	4191706	3	Screw M6 x 12	
11	1001092354	1	Switch, Rotary Angle Sensor	
11	4460536	1	Receptacle, Female - 3 Position	
11	4460464	3	Pin, Male	
12	4420070	3	Tape, Anti-Skid	
13	4420080	1	Tape, Safety Tread Step	
100	0440265	2	Bushing (Part of Frame Weldment)	

SECTION 3 - SCISSOR ARMS

FIGURE 3-14. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)



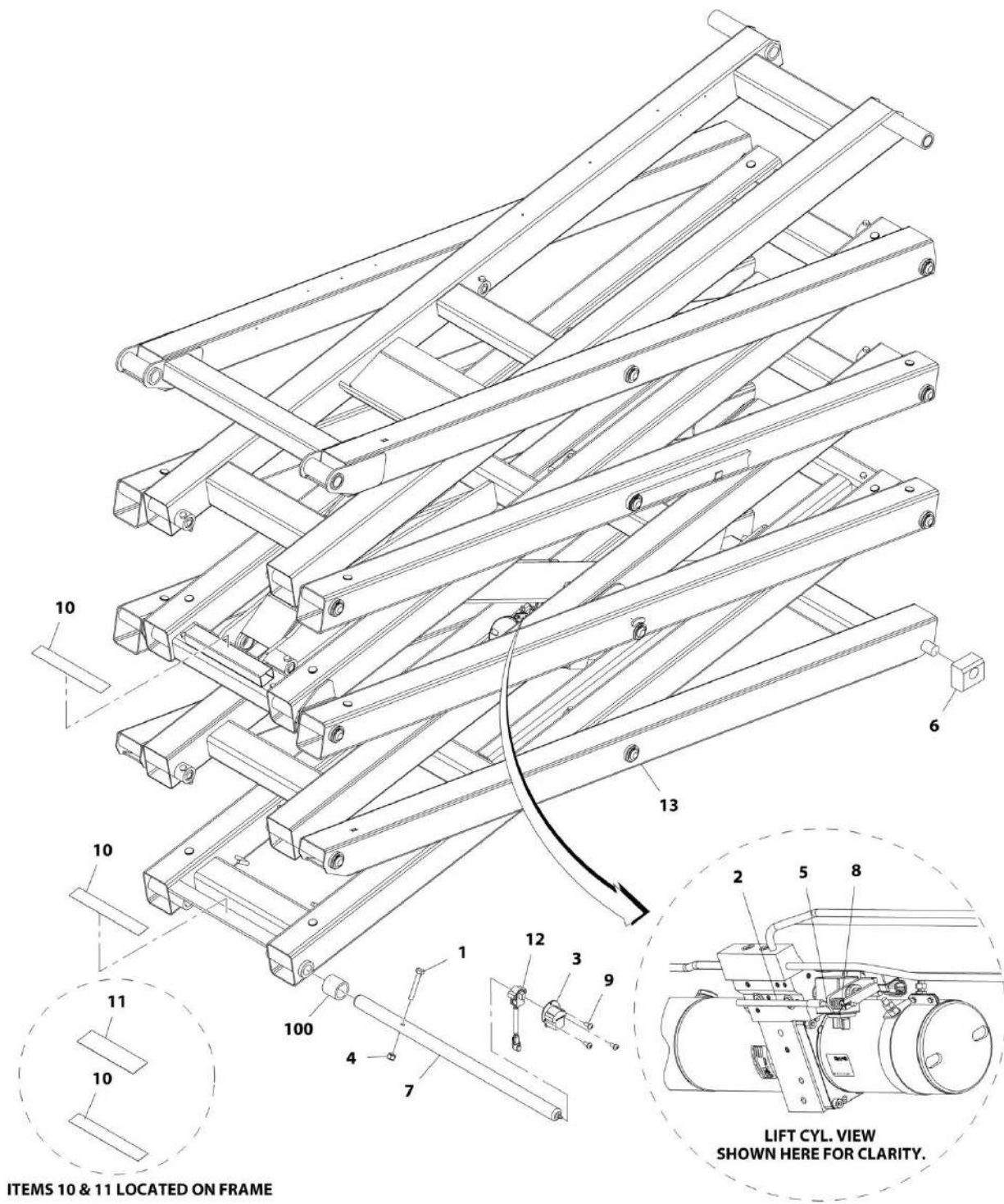
SECTION 3 - SCISSOR ARMS

FIGURE 3-14. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131030	Ref	SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	E
1	0200832	1	Arm - Lower Inboard	
2	0200783	1	Arm - Upper Outboard	
3	0200831	1	Arm - Lower Mid Inboard	
4	0200830	1	Arm - Upper Mid Outboard (Right Side)	
5	0200829	1	Arm - Upper Mid Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200827	1	Arm - Upper Inboard	
8	0200789	1	Arm - Upper Outboard	
9	0200826	1	Arm - Lower Mid Outboard (Left Side)	
10	0440257	2	Bearing	
11	0701016	1	Bolt M10 x 40	
12	0701020	1	Bolt M10 x 60	
13	0701022	19	Bolt M10 x 70	
14	0701027	2	Bolt M10 x 100	
15	0701029	2	Bolt M10 x 120	
16	1001131036	1	Lift Cylinder Assembly - Biodegradeable Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
17	0440266	4	Bearing	
18	0440267	40	Bearing	
19	3760170	4	Ring, Split	
21	3291005	24	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423009	NLA	Pin (Use p/n 1001226707)	
26	3423011	2	Pin	
27	3423014	1	Pin	
28	3423026	2	Pin	
30	3760387	20	Ring, Retaining	
31	3841143	1	Keeper, Pin	
32	3860104	1	Roller, Arm Kicker	
34	4740438	20	Washer	
36	3574161	1	Bar, Prop Attach	
49	4846684	1	Weld, Kicker	
51	0200820	1	Arm - Upper Mid Outboard (Left Side)	
52	1180380	2	Carrier, Cable	
53	4812000	4	Washer M10	
54	4071094	1	Shim, Spacer	
55	3423170	1	Pin	
56	3291007	1	Nut M10	

SECTION 3 - SCISSOR ARMS

FIGURE 3-15. SCISSOR ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL
(CHINA BUILT MACHINES) (SN B200020982 to Present)



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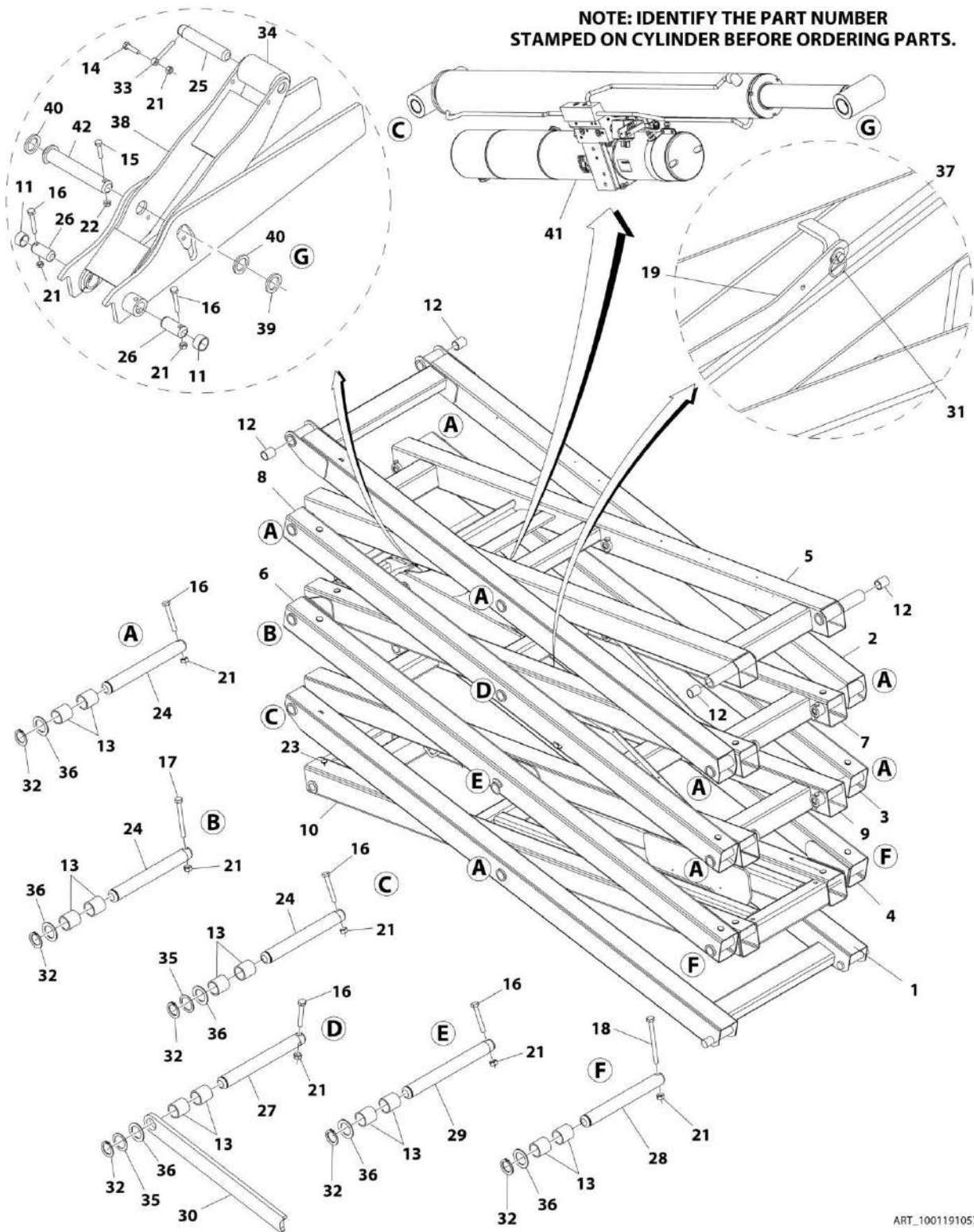
SECTION 3 - SCISSOR ARMS

**FIGURE 3-15. SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL
(CHINA BUILT MACHINES) (SN B200020982 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191065	Ref	SCISSORS ARMS INSTALLATION - 2646ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Tread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191057	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) for Breakdown)	
100	0440265	2	Bushing (Part of Frame Weldment)	

SECTION 3 - SCISSOR ARMS

FIGURE 3-16. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)



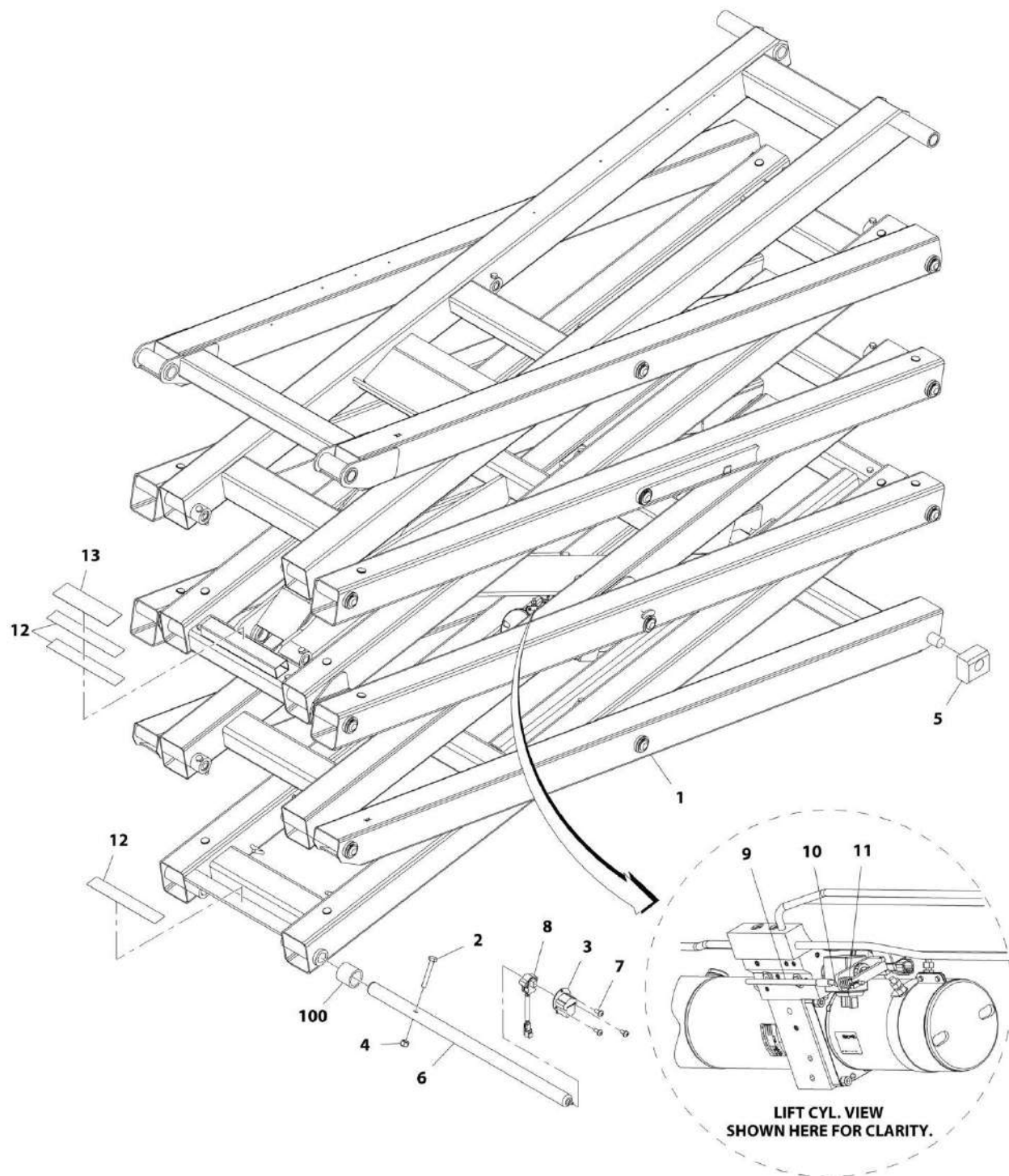
SECTION 3 - SCISSOR ARMS

FIGURE 3-16. SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191057	Ref	SCISSORS ARMS ASSEMBLY - 2646ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)	B
1	0200783	1	Arm - Lower Outboard (SN B200020982 through B200037621)	
1	1001219386	1	Arm - Lower Outboard (SN B200037622 to Present)	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291005	24	Nut M10	
22	3291007	1	Nut M10	
23	3340962	24	Pad, Arm	
24	3422997	17	Pin	
25	3422998	1	Pin	
26	3423011	2	Pin	
27	3423014	1	Pin	
28	3423026	2	Pin	
29	3423170	1	Pin	
30	3574161	1	Bar, Prop Attach	
31	3760170	4	Ring, Split	
32	3760387	20	Ring, Retaining	
33	3841143	1	Keeper, Pin	
34	3860104	1	Roller, Arm Kicker	
35	4071094	AR	Shim, Spacer	
36	4740438	20	Washer	
37	4812000	4	Washer M10	
38	4846684	1	Kicker Weldment	
39	1001139000	1	Plate	
40	1001139002	2	Washer	
41	1001131036	1	Life Cylinder Assembly - Biodegradeable Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
42	1001191121	1	Pin	

SECTION 3 - SCISSOR ARMS

FIGURE 3-17. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)



ART_1001157325

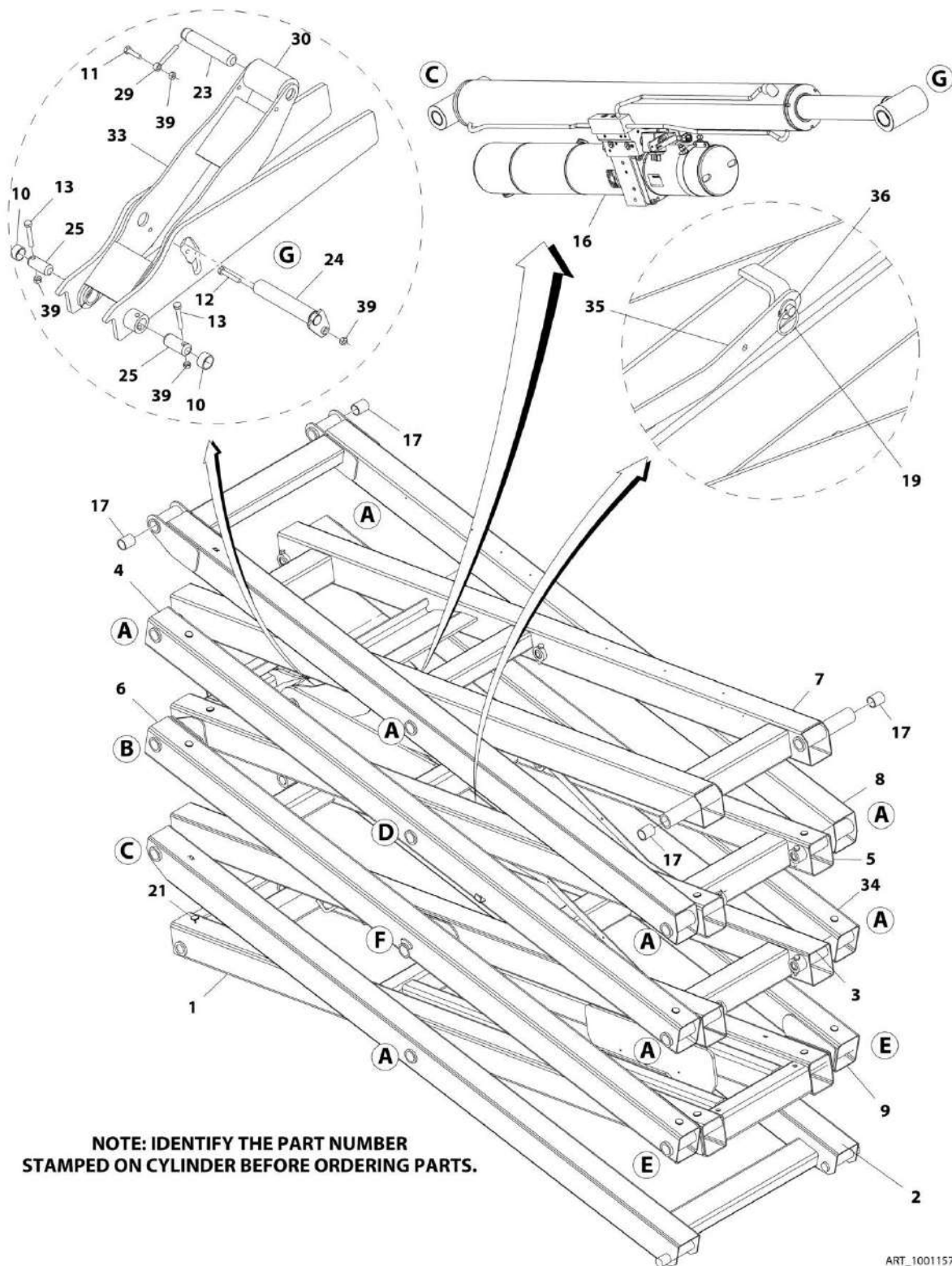
SECTION 3 - SCISSOR ARMS

FIGURE 3-17. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)

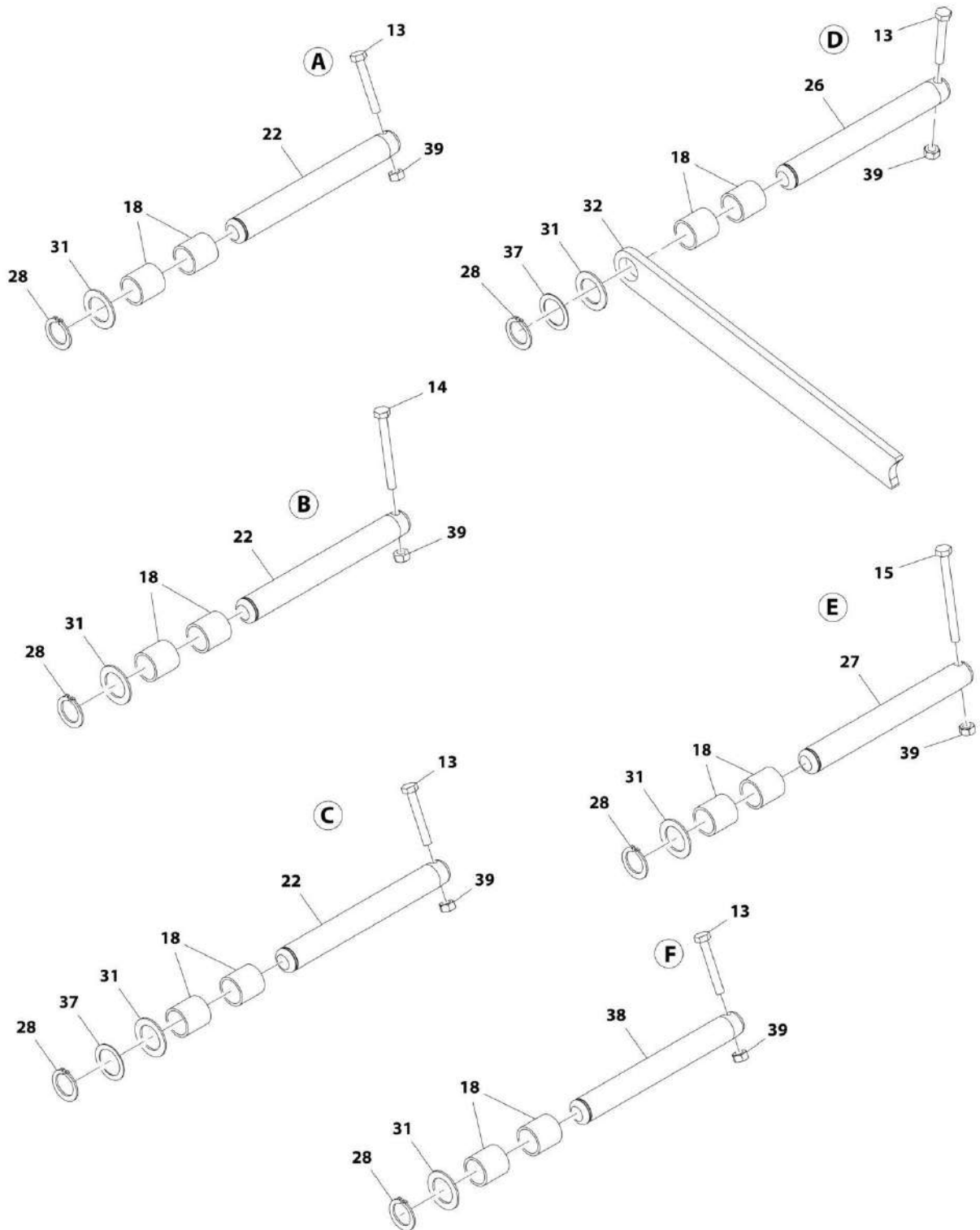
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157325	Ref	SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	C
1	1001157320	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) for Breakdown)	
2	0701022	1	Bolt M10 x 70	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3340957	2	Pad, Slide	
6	3423255	1	Pin, Sensor	
7	4191706	3	Screw M6 x 12	
8	1001092354	1	Switch, Rotary Angle Sensor	
8	4460536	1	Receptacle, Female - 3 Position	
8	4460464	3	Pin, Male	
9	1061034	1	Cable, Manual Descent	
9	7020218	1	T-Handle (With 1/4-20 Threads)	
9	70001878	1	T-Handle (With 5mm Threads)	
10	3321402	1	Nut 1/4-28	
11	4160078	1	Spring, Compression	
12	4420070	3	Tape, Anti-Skid	
13	4420080	1	Tape, Safety Tread Step	
100	0440265	2	Bushing (Part of Frame Weldment)	

SECTION 3 - SCISSOR ARMS

FIGURE 3-18. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)



SECTION 3 - SCISSOR ARMS



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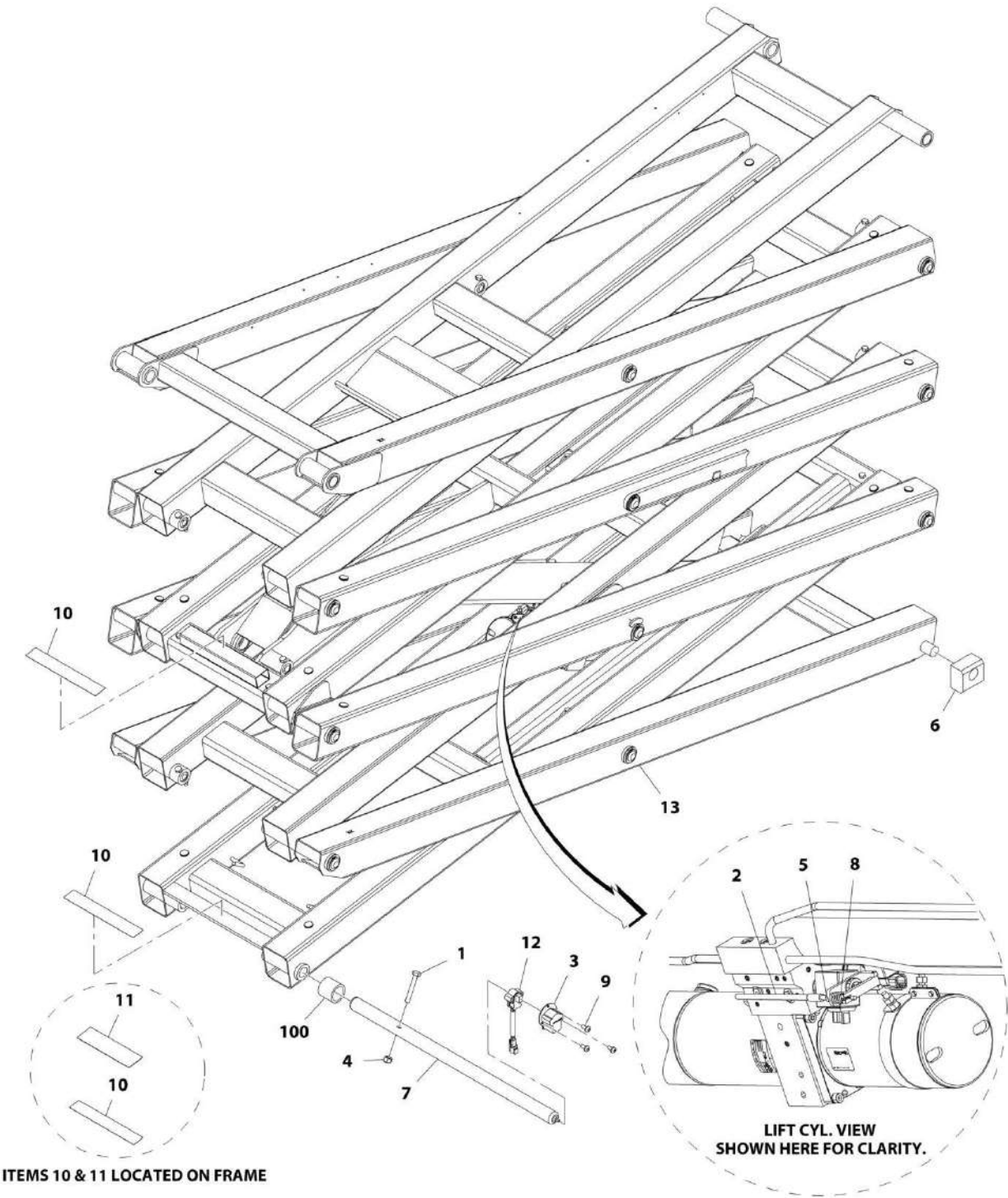
SECTION 3 - SCISSOR ARMS

FIGURE 3-18. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157320	Ref	SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	D
1	0200832	1	Arm - Lower Inboard	
2	0200783	1	Arm - Lower Outboard	
3	0200831	1	Arm - Lower Mid Inboard	
4	0200830	1	Arm - Upper Mid Outboard (Right Side)	
5	0200829	1	Arm - Upper Mid Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200827	1	Arm - Upper Inboard	
8	0200789	1	Arm - Upper Outboard	
9	0200826	1	Arm - Lower Mid Outboard (Left Side)	
10	0440257	2	Bearing	
11	0701016	1	Bolt M10 x 40	
12	0701020	1	Bolt M10 x 60	
13	0701022	19	Bolt M10 x 70	
14	0701027	2	Bolt M10 x 100	
15	0701029	2	Bolt M10 x 120	
16	1001155844	1	Lift Cylinder Assembly - Standard Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
17	0440266	4	Bearing	
18	0440267	40	Bearing	
19	3760170	4	Ring, Split	
21	3340962	24	Pad, Arm	
22	3422997	17	Pin	
23	3422998	1	Pin	
24	3423009	NLA	Pin (Use p/n 1001226707)	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3760387	20	Ring, Retaining	
29	3841143	1	Keeper, Pin	
30	3860104	1	Roller, Arm Kicker	
31	4740438	20	Washer	
32	3574161	1	Bar, Prop Attach	
33	4846684	1	Weld, Kicker	
34	0200820	1	Arm - Upper Mid Outboard (Left Side)	
35	1180380	2	Carrier, Cable	
36	4812000	4	Washer M10	
37	4071094	1	Shim, Spacer	
38	3423170	1	Pin	
39	3291007	25	Nut M10	

SECTION 3 - SCISSOR ARMS

FIGURE 3-19. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 through M200022032)



ART_1001191068

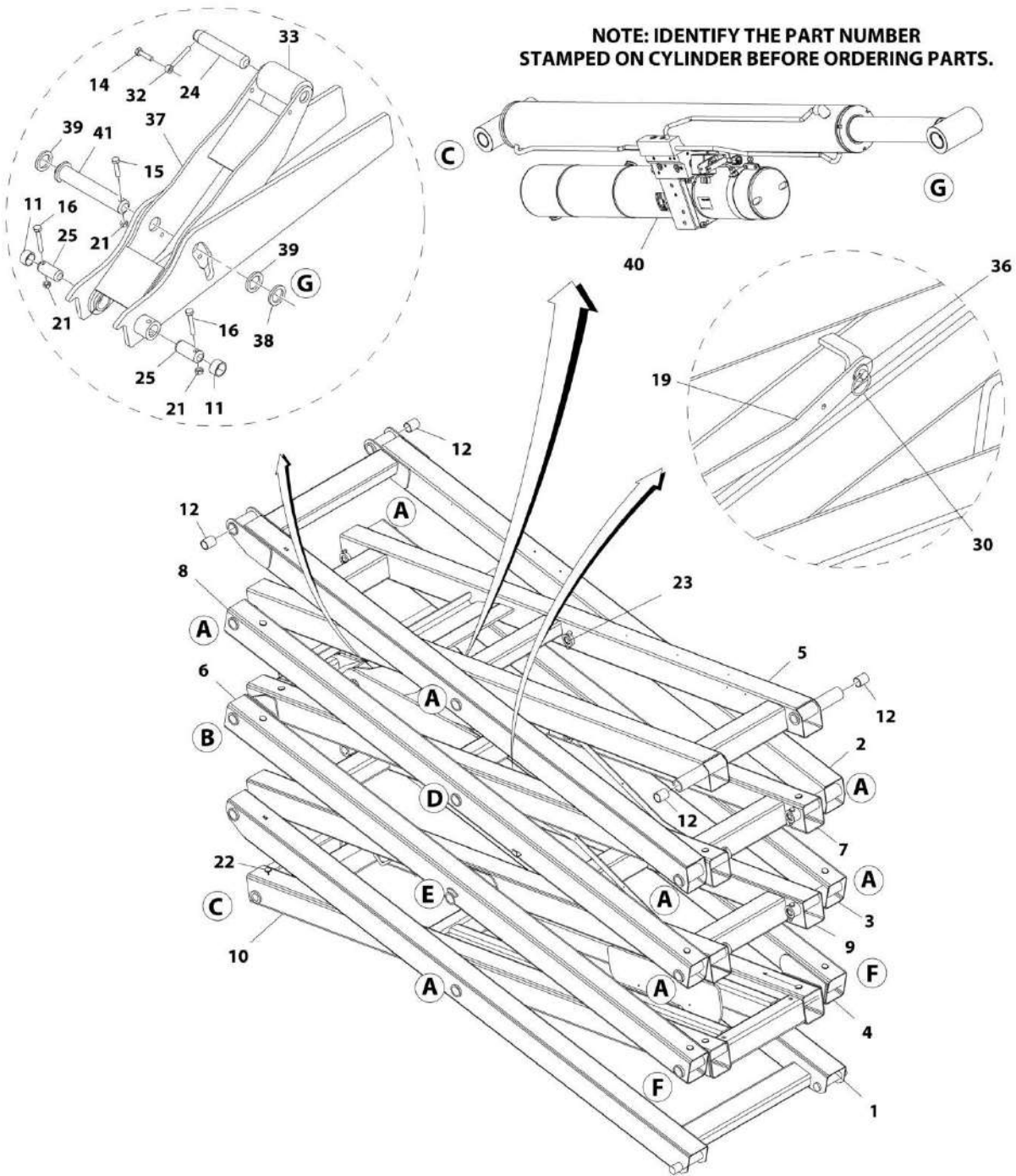
SECTION 3 - SCISSOR ARMS

FIGURE 3-19. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 through M200022032)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191068	Ref	SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 through M200022032)	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Thread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191060	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) for Breakdown)	
100	0440265	2	Bushing (Part of Flame Weldment)	

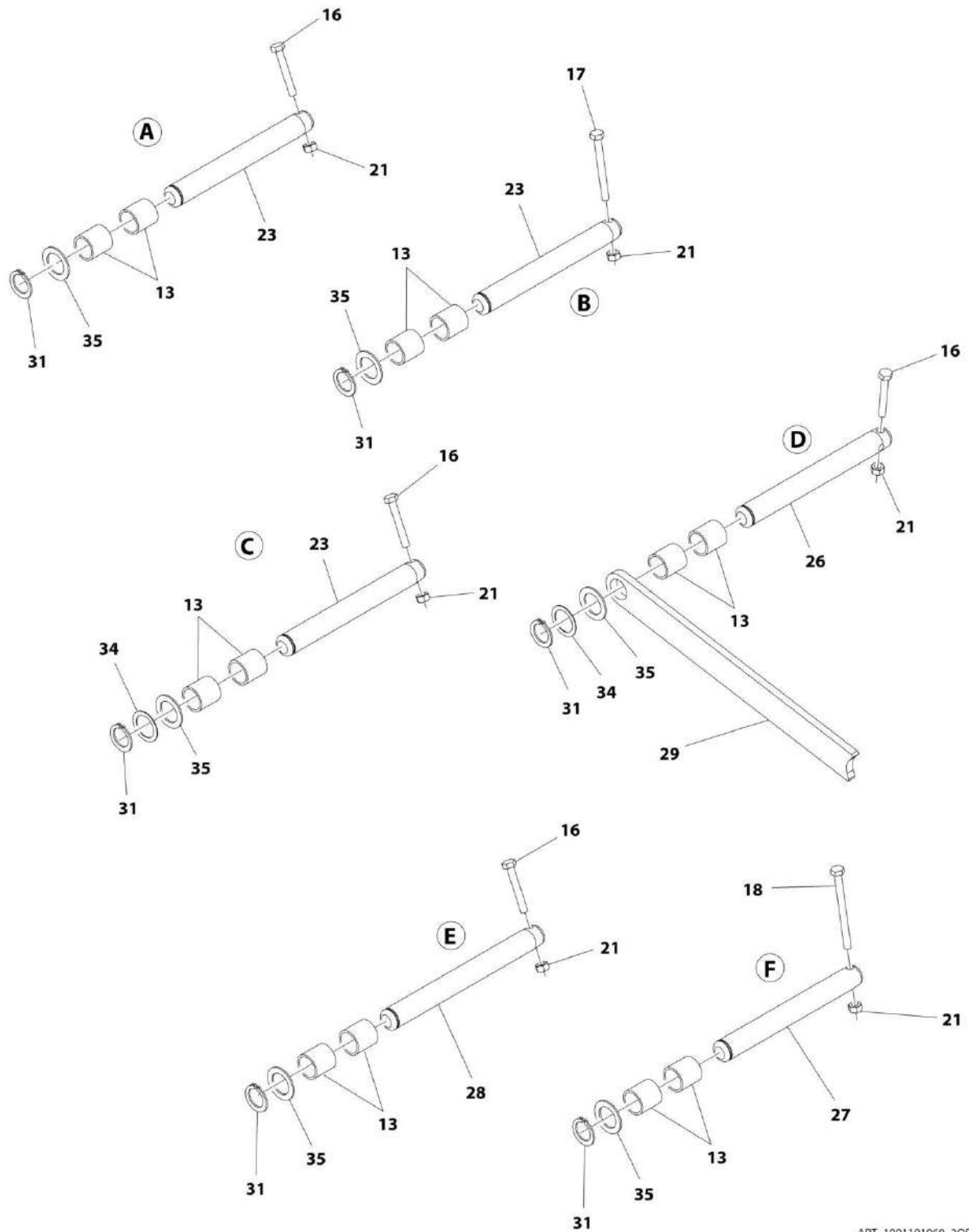
SECTION 3 - SCISSOR ARMS

FIGURE 3-20. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)



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SECTION 3 - SCISSOR ARMS



ART_1001191060_2OF2

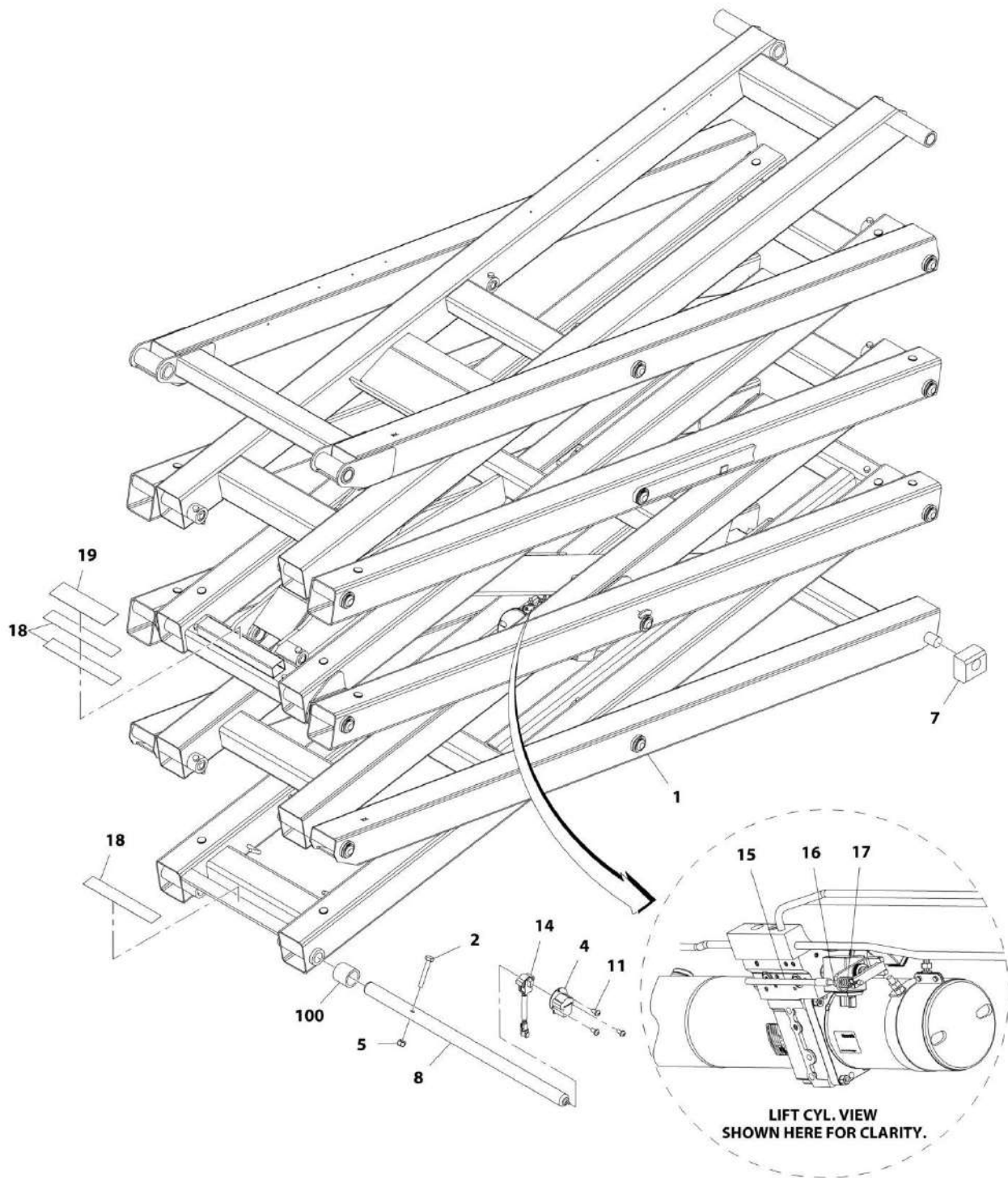
SECTION 3 - SCISSOR ARMS

FIGURE 3-20. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191060	Ref	SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	B
1	0200783	1	Arm - Lower Outboard (SN 0200241221 through 0200260988, SN M200000100 through M200006323)	
1	1001219386	1	Arm - Lower Outboard (SN 0200260989 to Present, SN M200006324 to Present)	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291007	25	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3423170	1	Pin	
29	3574161	1	Bar, Prop Attach	
30	3760170	4	Ring, Split	
31	3760387	20	Ring, Retaining	
32	3841143	1	Keeper, Pin	
33	3860104	1	Roller, Arm Kicker	
34	4071094	AR	Shim, Spacer	
35	4740438	20	Washer	
36	4812000	4	Washer M10	
37	4846684	1	Kicker, Weldment	
38	1001139000	1	Plate	
39	1001139002	2	Washer	
40	1001155844	1	Lift Cylinder Assembly - Standard Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
41	1001191121	1	Pin	

SECTION 3 - SCISSOR ARMS

FIGURE 3-21. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)



ART_1001131008

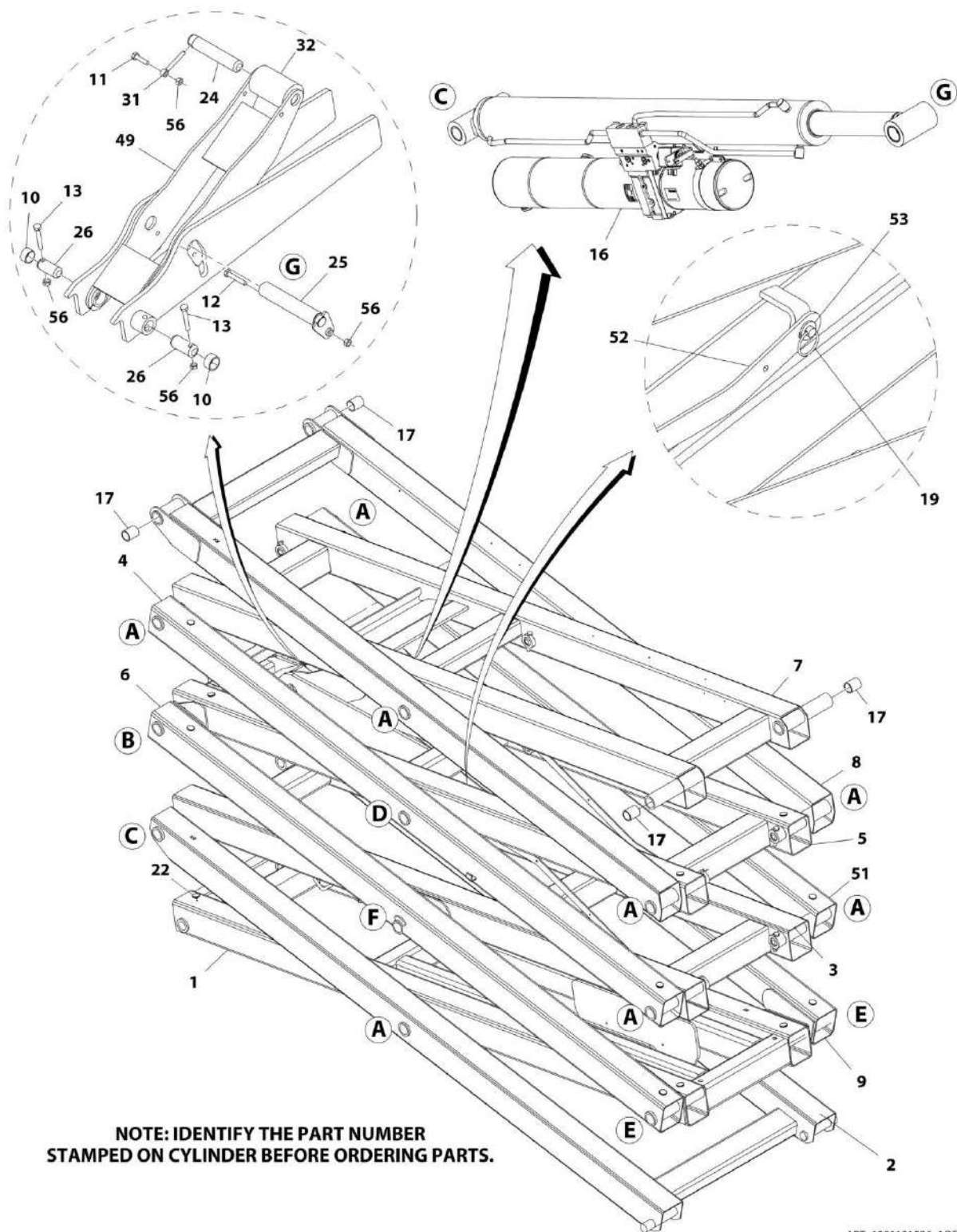
SECTION 3 - SCISSOR ARMS

FIGURE 3-21. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131008	Ref	SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	E
1	1001131026	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL for Breakdown)	
2	0701022	1	Bolt M10 x 70	
4	3200454	1	Mount, Switch	
5	3291005	1	Nut M10	
7	3340957	2	Pad, Slide	
8	3423255	1	Pin, Sensor	
11	4191706	3	Screw M6 x 12	
14	1001092354	1	Switch, Rotary Angle Sensor	
14	4460536	1	Receptacle, Female - 3 Position	
14	4460464	3	Pin, Male	
15	1061034	1	Cable, Manual Descent	
15	7020218	1	T-Handle (With 1/4-20 Threads)	
15	70001878	1	T-Handle (With 5mm Threads)	
16	3321402	1	Nut 1/4-28	
17	4160078	1	Spring, Compression	
18	4420070	3	Tape, Anti-Skid	
19	4420080	1	Tape, Safety Tread Step	
100	0440265	2	Bushing (Part of Frame Weldment)	

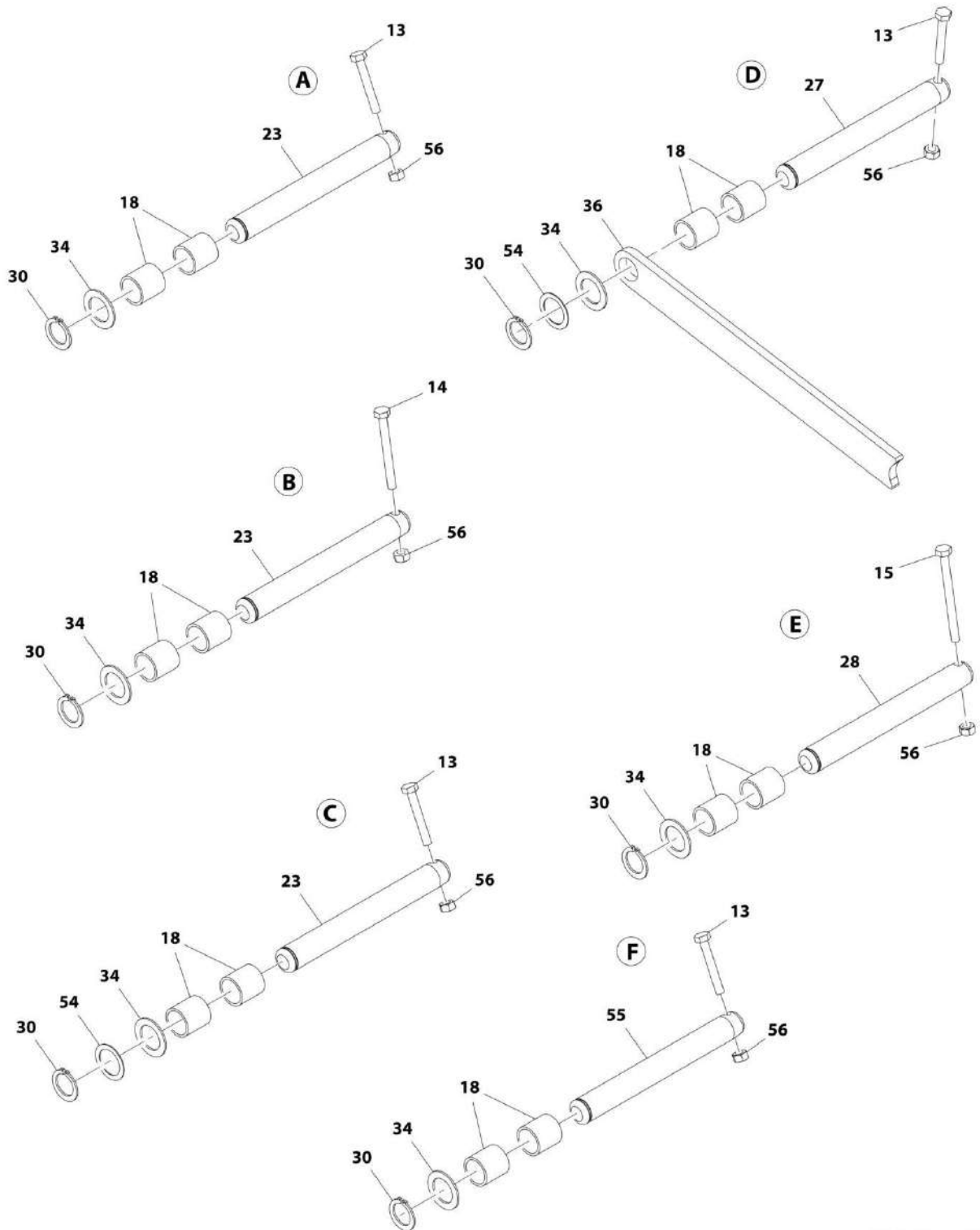
SECTION 3 - SCISSOR ARMS

FIGURE 3-22. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)



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SECTION 3 - SCISSOR ARMS



ART_1001131026_2OF2

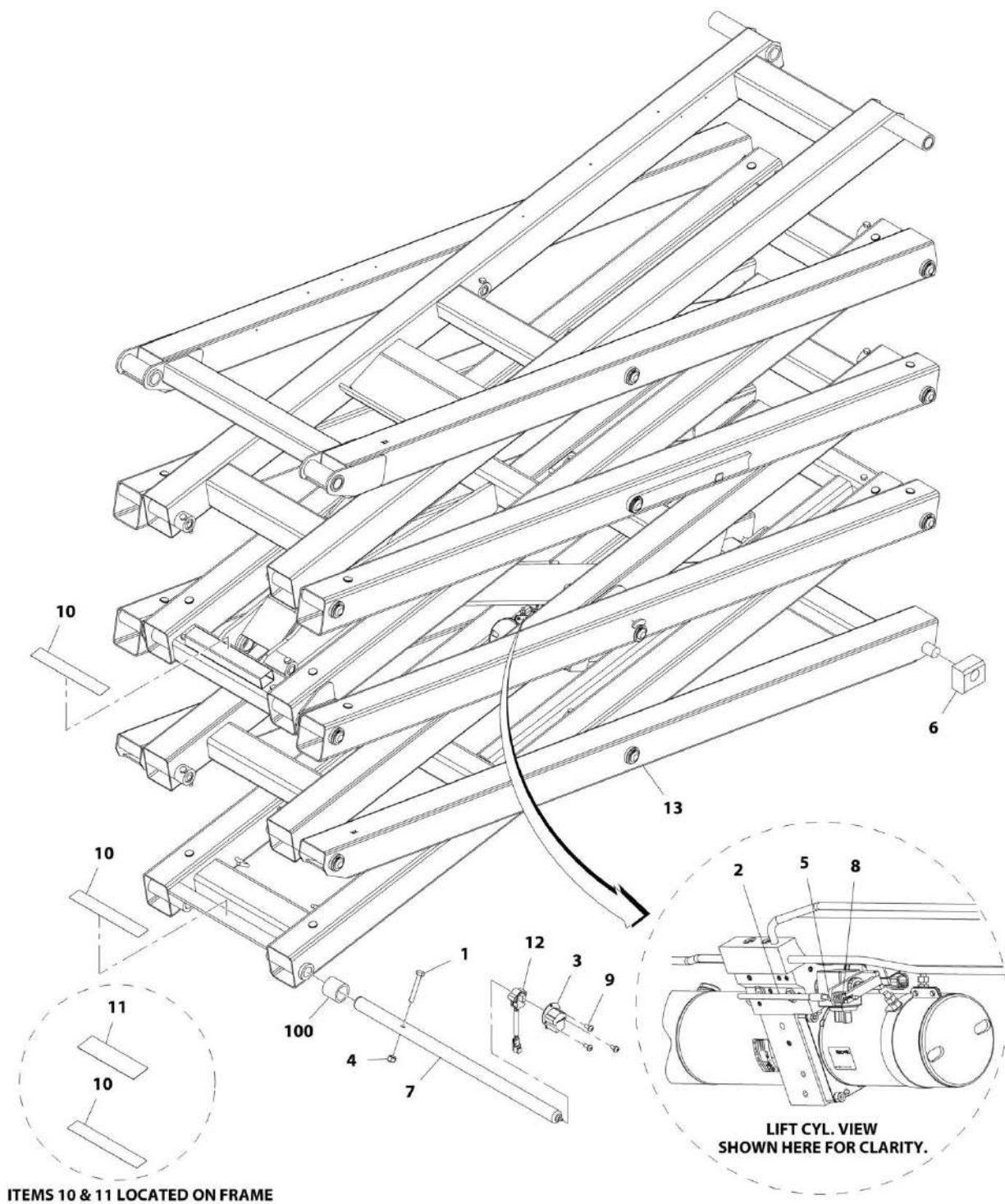
SECTION 3 - SCISSOR ARMS

FIGURE 3-22. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131026	Ref	SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	G
1	0200832	1	Arm - Lower Inboard	
2	0200783	1	Arm - Lower Outboard	
3	0200831	1	Arm - Lower Mid Inboard	
4	0200830	1	Arm - Upper Mid Outboard (Right Side)	
5	0200829	1	Arm - Upper Mid Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200827	1	Arm - Upper Inboard	
8	0200789	1	Arm - Upper Outboard	
9	0200826	1	Arm - Lower Mid Outboard (Left Side)	
10	0440257	2	Bearing	
11	0701016	1	Bolt M10 x 40	
12	0701020	1	Bolt M10 x 60	
13	0701022	19	Bolt M10 x 70	
14	0701027	2	Bolt M10 x 100	
15	0701029	2	Bolt M10 x 120	
16	1001129292	1	Lift Cylinder Assembly - Standard Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
17	0440266	4	Bearing	
18	0440267	40	Bearing	
19	3760170	4	Ring, Split	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423009	NLA	Pin (Use p/n 1001226707)	
26	3423011	2	Pin	
27	3423014	1	Pin	
28	3423026	2	Pin	
30	3760387	20	Ring, Retaining	
31	3841143	1	Keeper, Pin	
32	3860104	1	Roller, Arm Kicker	
34	4740438	20	Washer	
36	3574161	1	Bar, Prop Attach	
49	4846684	1	Weld, Kicker	
51	0200820	1	Arm - Upper Mid Outboard (Left Side)	
52	1180380	2	Carrier, Cable	
53	4812000	4	Washer M10	
54	4071094	1	Shim, Spacer	
55	3423170	1	Pin	
56	3291007	25	Nut M10	

SECTION 3 - SCISSOR ARMS

FIGURE 3-23. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES) (SN 1200025021 to Present, SN B200020982 to Present, SN M200022033 to Present)



ART_1001191064

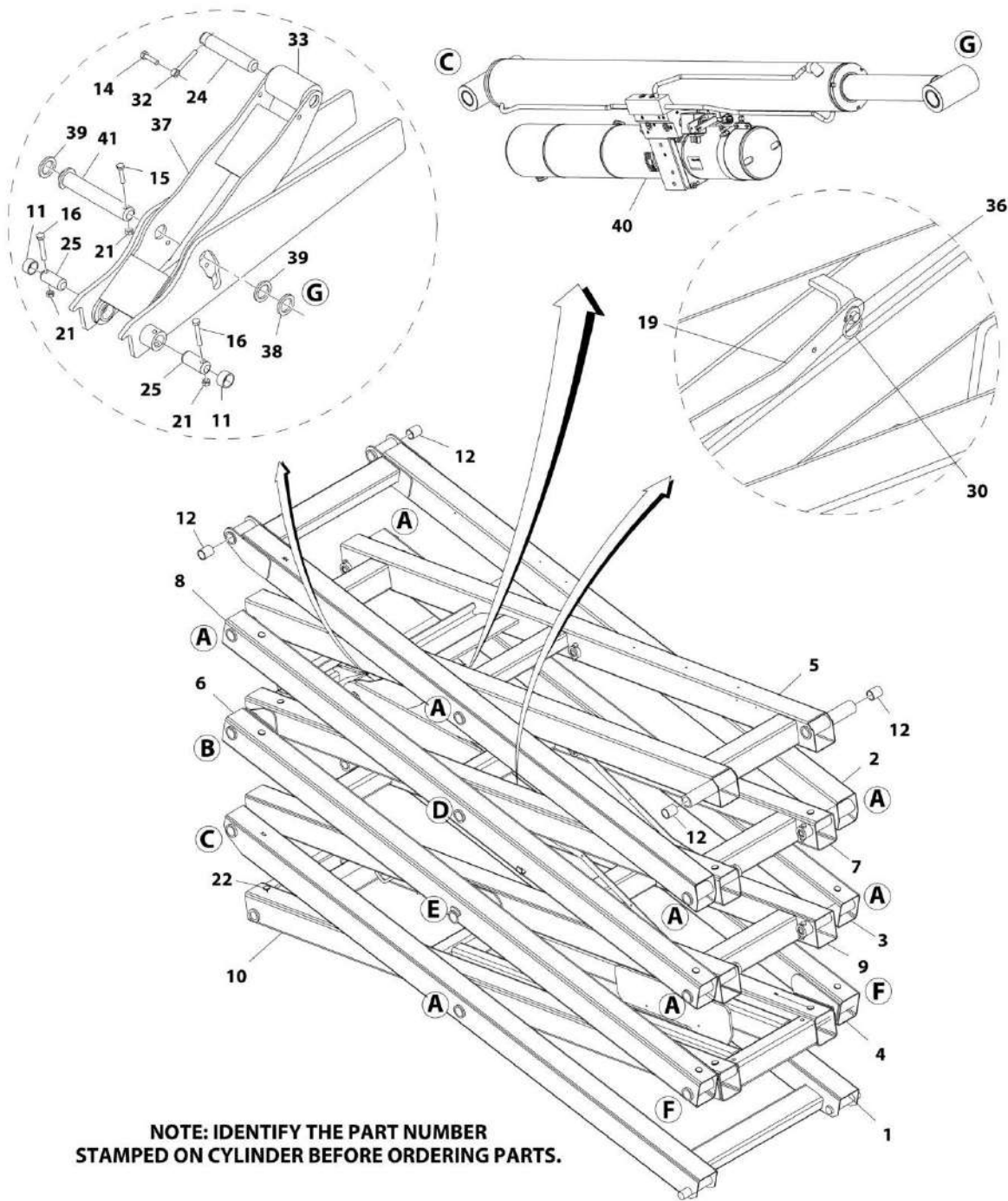
SECTION 3 - SCISSOR ARMS

FIGURE 3-23. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES) (SN 1200025021 to Present, SN B200020982 to Present, SN M200022033 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191064	Ref	SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (BELGIUM, CHINA AND MEXICO BUILT MACHINES) (SN 1200025021 to Present, SN B200020982 to Present, SN M200022033 to Present)	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Tread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191056	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) for Breakdown)	
100	0440265	2	Bushing (Part of Frame Weldment)	

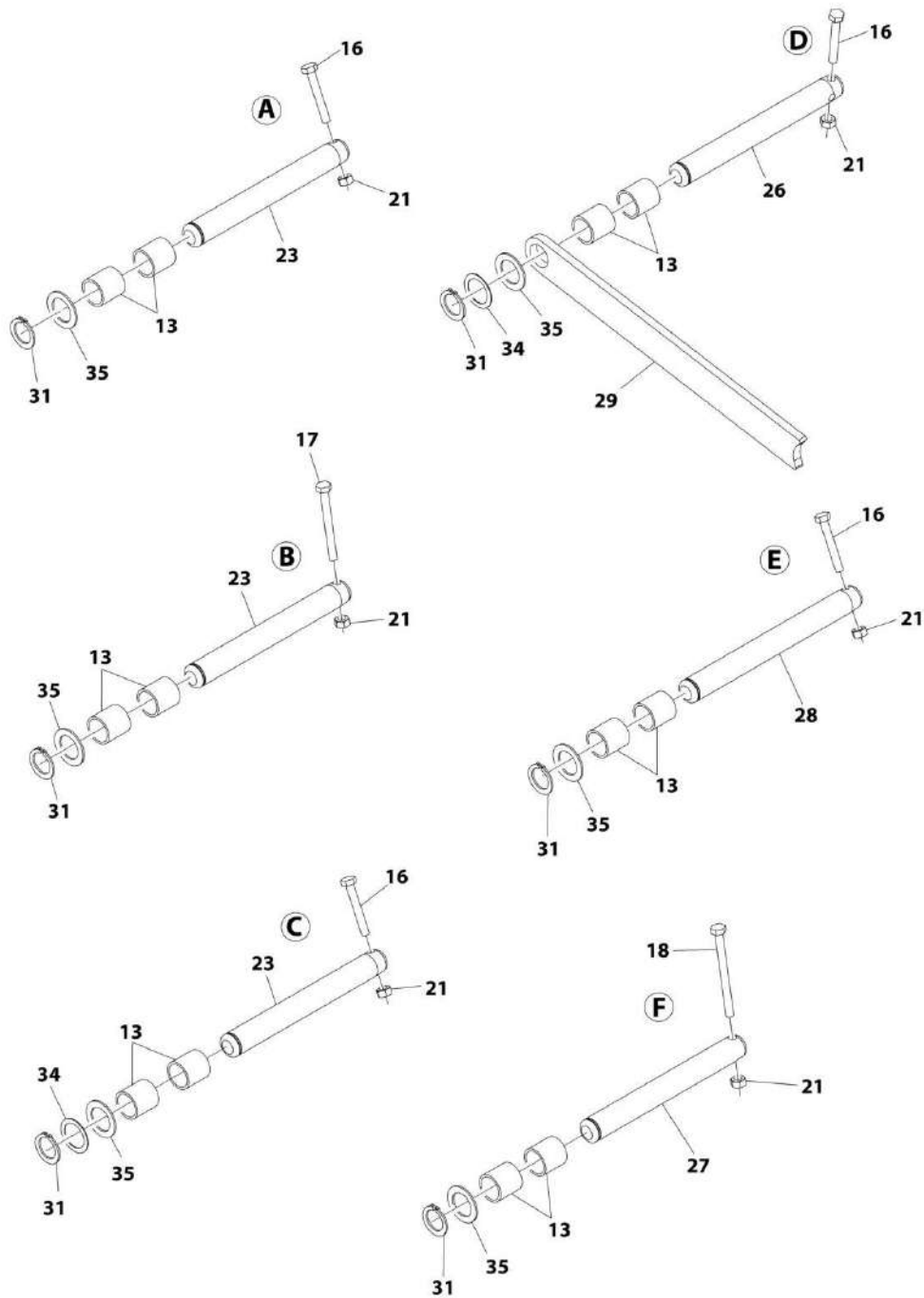
SECTION 3 - SCISSOR ARMS

FIGURE 3-24. SCISSORS ARMS INSTALLATION - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)



ART_1001191056_10F2

SECTION 3 - SCISSOR ARMS



ART_1001191056_20F2

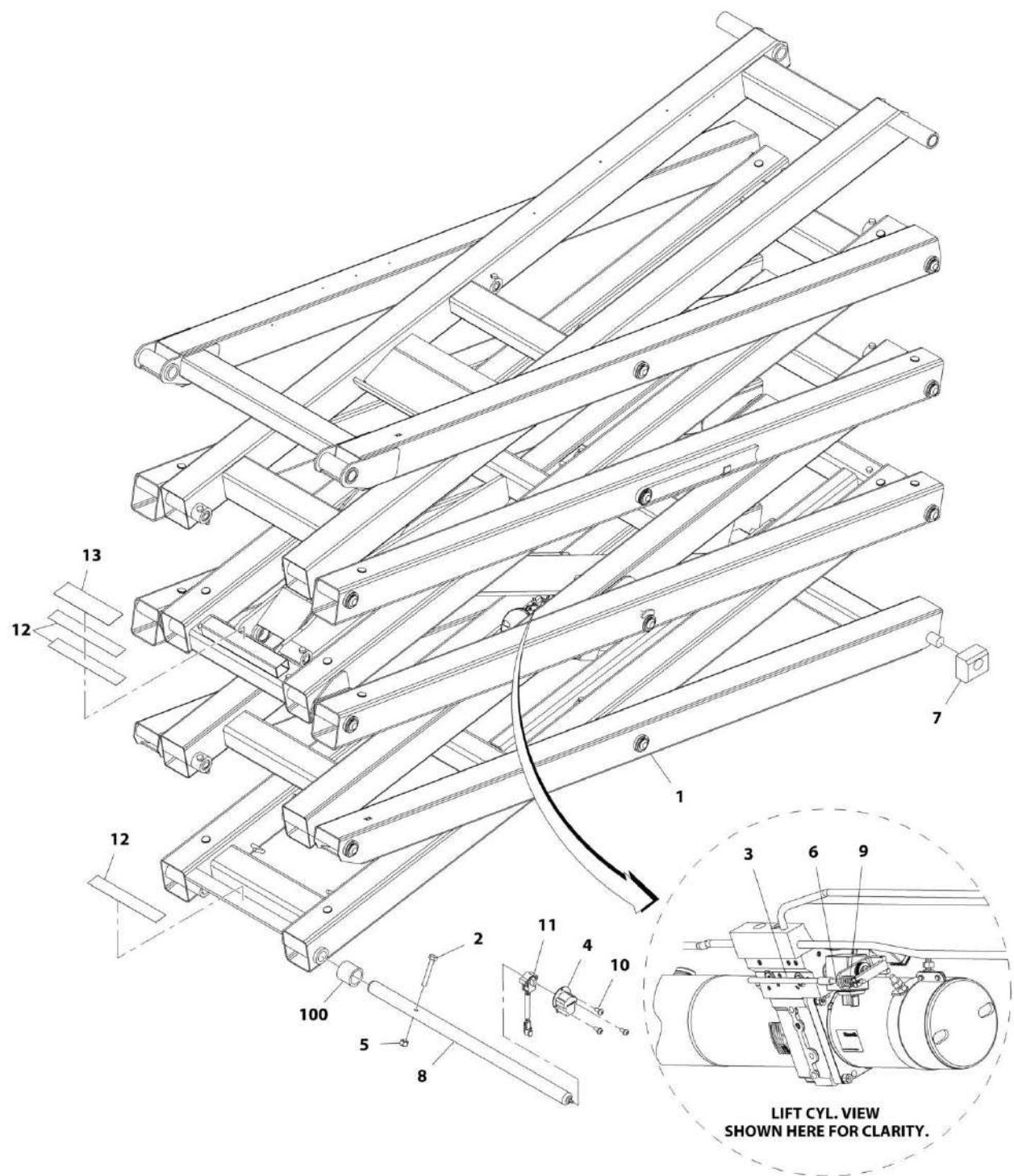
SECTION 3 - SCISSOR ARMS

FIGURE 3-24. SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191056	Ref	SCISSORS ARMS ASSEMBLY - 3246ES STANDARD HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)	B
1	0200783	1	Arm - Lower Outboard (SN B200020982 through B200037413)	
1	1001219386	1	Arm - Lower Outboard (SN B200037414 to Present)	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291007	25	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3760170	1	Pin	
29	3574161	1	Bar, Prop Attach	
30	3423170	4	Right, Split	
31	3760387	20	Ring, Retaining	
32	3841143	1	Keeper, Pin	
33	3860104	1	Roller, Arm Kicker	
34	4071094	AR	Shim, Spacer	
35	4740438	20	Washer	
36	4812000	4	Washer M10	
37	4846684	1	Kicker Weldment	
38	1001139000	1	Plate	
39	1001139002	2	Washer	
40	1001129292	1	Life Cylinder Assembly - Standard Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
41	1001191121	1	Pin	

SECTION 3 - SCISSOR ARMS

FIGURE 3-25. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)



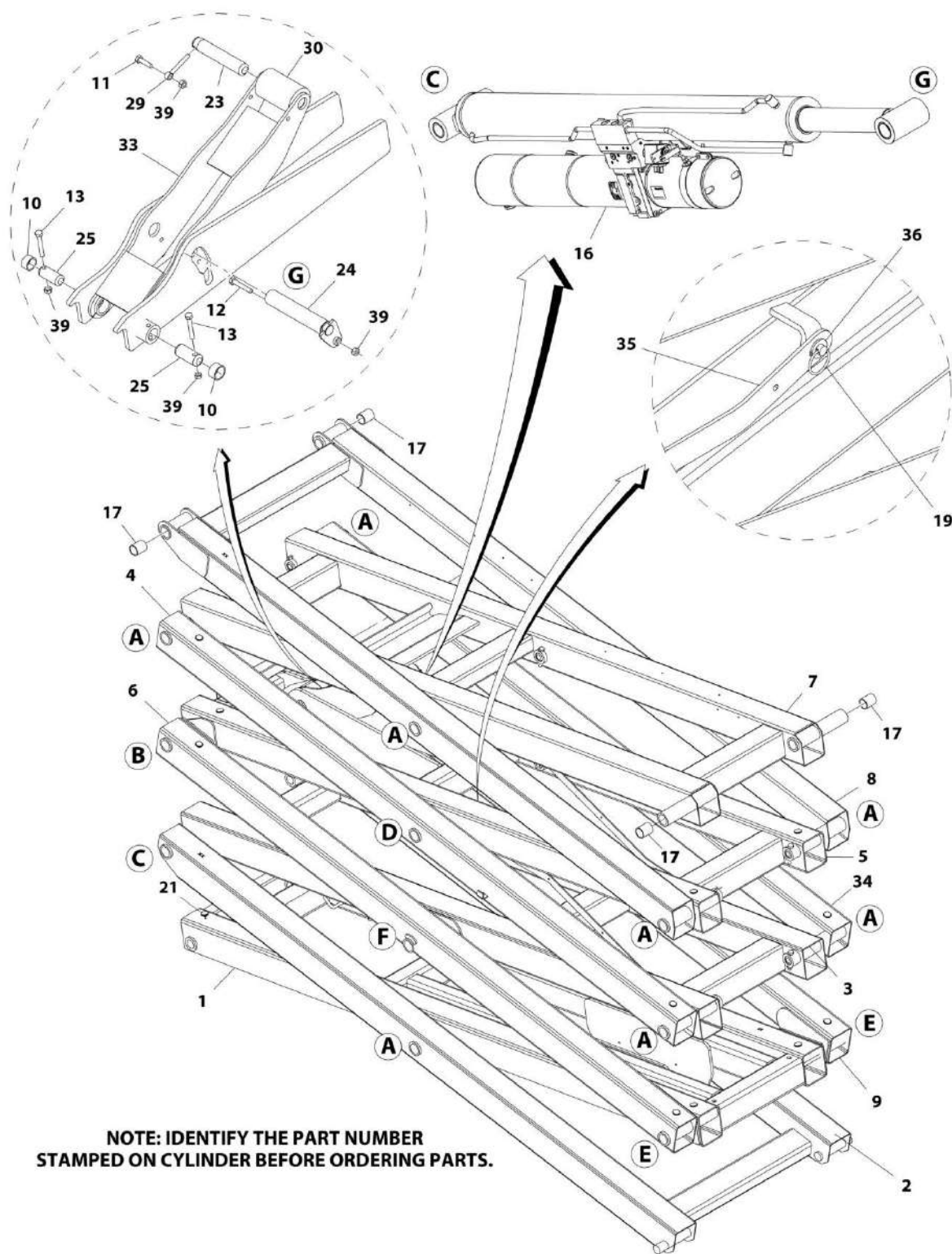
SECTION 3 - SCISSOR ARMS

FIGURE 3-25. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157343	Ref	SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	B
1	1001157338	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) for Breakdown)	
2	0701022	1	Bolt M10 x 70	
3	1061034	1	Cable, Manual Descent	
3	7020218	1	T-Handle (With 1/4-20 Threads)	
3	70001878	1	T-Handle (With 5mm Threads)	
4	3200454	1	Mount, Switch	
5	3291005	1	Nut M10	
6	3321402	1	Nut 1/4-28	
7	3340957	2	Pad, Slide	
8	3423255	1	Pin, Sensor	
9	4160078	1	Spring, Compression	
10	4191706	3	Screw M6 x 12	
11	1001092354	1	Switch, Rotary Angle Sensor	
11	4460536	1	Receptacle, Female - 3 Position	
11	4460464	3	Pin, Male	
12	4420070	3	Tape, Anti-Skid	
13	4420080	1	Tape, Safety Tread Step	
100	0440265	2	Bushing (Part of Frame Weldment)	

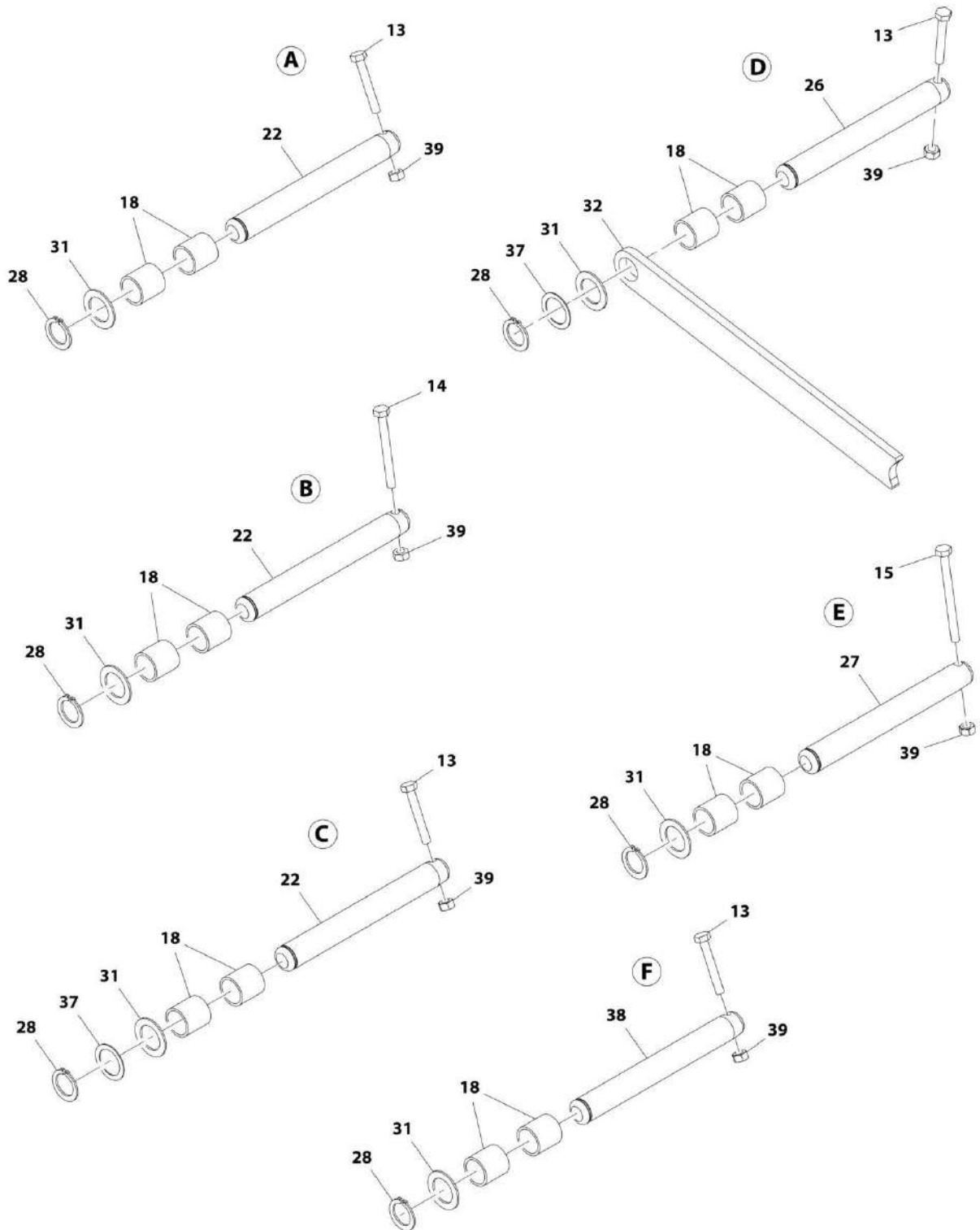
SECTION 3 - SCISSOR ARMS

FIGURE 3-26. SCISSOR ARMS ASSEMBLY - 3246ES BIODEGRADABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)



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SECTION 3 - SCISSOR ARMS



ART_1001157338_2OF2

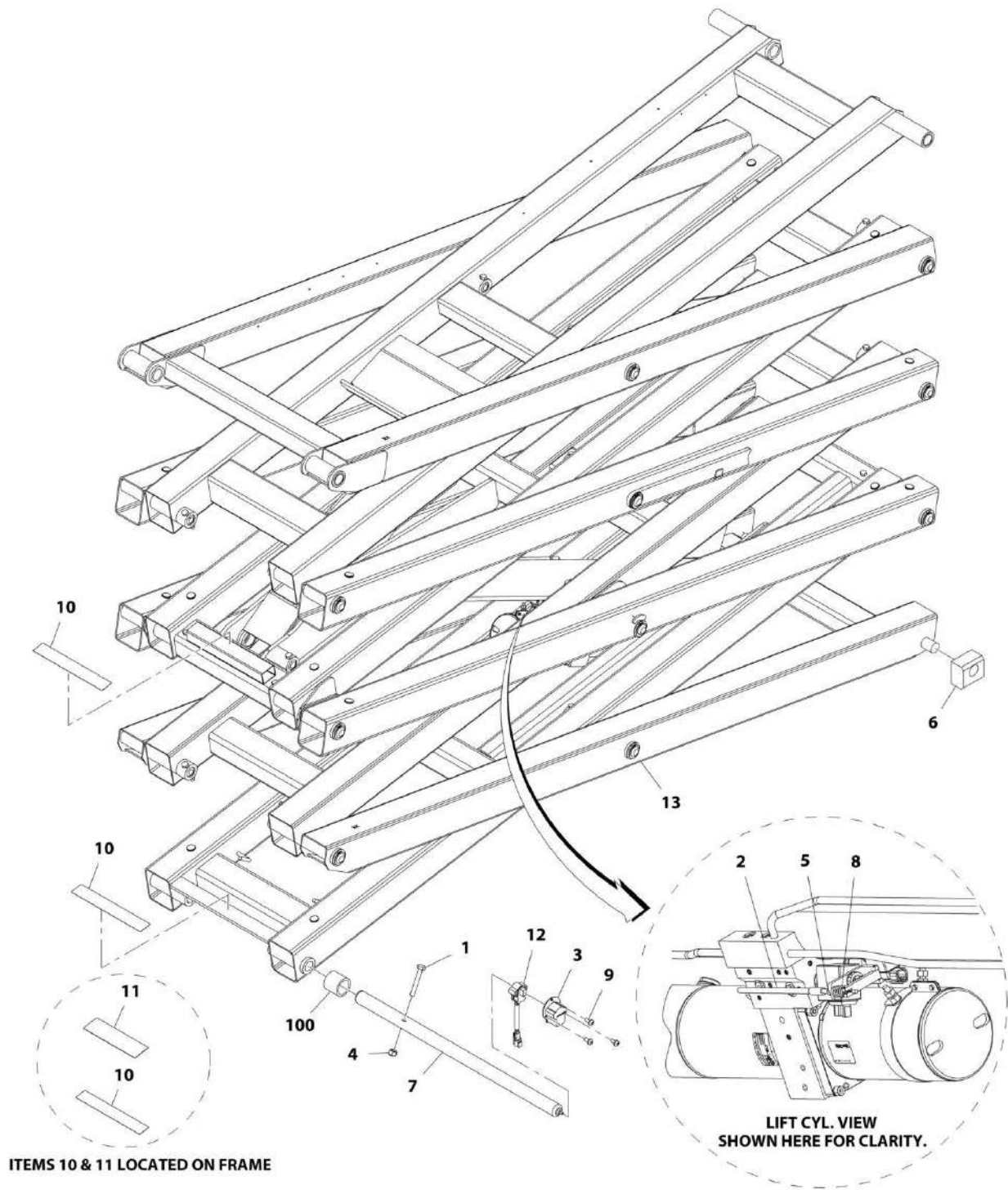
SECTION 3 - SCISSOR ARMS

FIGURE 3-26. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157338	Ref	SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA BUILT MACHINES) (SN 0200239382 through 0200241220)	B
1	0200832	1	Arm - Lower Inboard	
2	0200783	1	Arm - Lower Outboard	
3	0200831	1	Arm - Lower Mid Inboard	
4	0200830	1	Arm - Upper Mid Outboard (Right Side)	
5	0200829	1	Arm - Upper Mid Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200827	1	Arm - Upper Inboard	
8	0200789	1	Arm - Upper Outboard	
9	0200826	1	Arm - Lower Mid Outboard (Left Side)	
10	0440257	2	Bearing	
11	0701016	1	Bolt M10 x 40	
12	0701020	1	Bolt M10 x 60	
13	0701022	19	Bolt M10 x 70	
14	0701027	2	Bolt M10 x 100	
15	0701029	2	Bolt M10 x 120	
16	1001157333	1	Lift Cylinder Assembly - Biodegradeable Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
17	0440266	4	Bearing	
18	0440267	40	Bearing	
19	3760170	4	Ring, Split	
21	3340962	24	Pad, Arm	
22	3422997	17	Pin	
23	3422998	1	Pin	
24	3423009	NLA	Pin (Use p/n 1001226707)	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3760387	20	Ring, Retaining	
29	3841143	1	Keeper, Pin	
30	3860104	1	Roller, Arm Kicker	
31	4740438	20	Washer	
32	3574161	1	Bar, Prop Attach	
33	4846684	1	Weld, Kicker	
34	0200820	1	Arm - Upper Mid Outboard (Left Side)	
35	1180380	2	Carrier, Cable	
36	4812000	4	Washer M10	
37	4071094	1	Shim, Spacer	
38	3423170	1	Pin	
39	3291007	25	Nut M10	

SECTION 3 - SCISSOR ARMS

FIGURE 3-27. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)



ART_1001191070

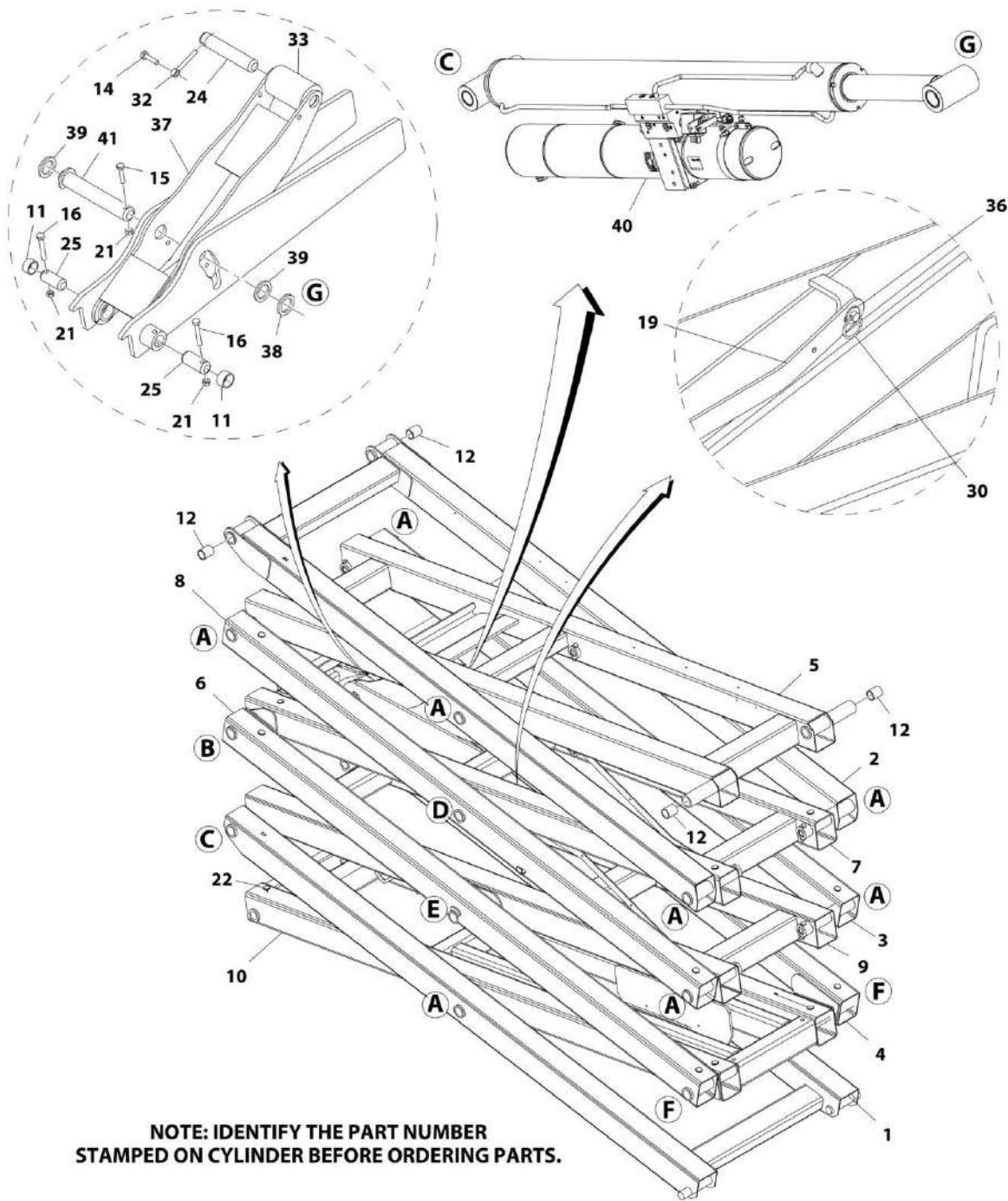
SECTION 3 - SCISSOR ARMS

FIGURE 3-27. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191070	Ref	SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Tread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191062	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) for Breakdown)	
100	0440265	2	Bushing (Part of Frame Weldment)	

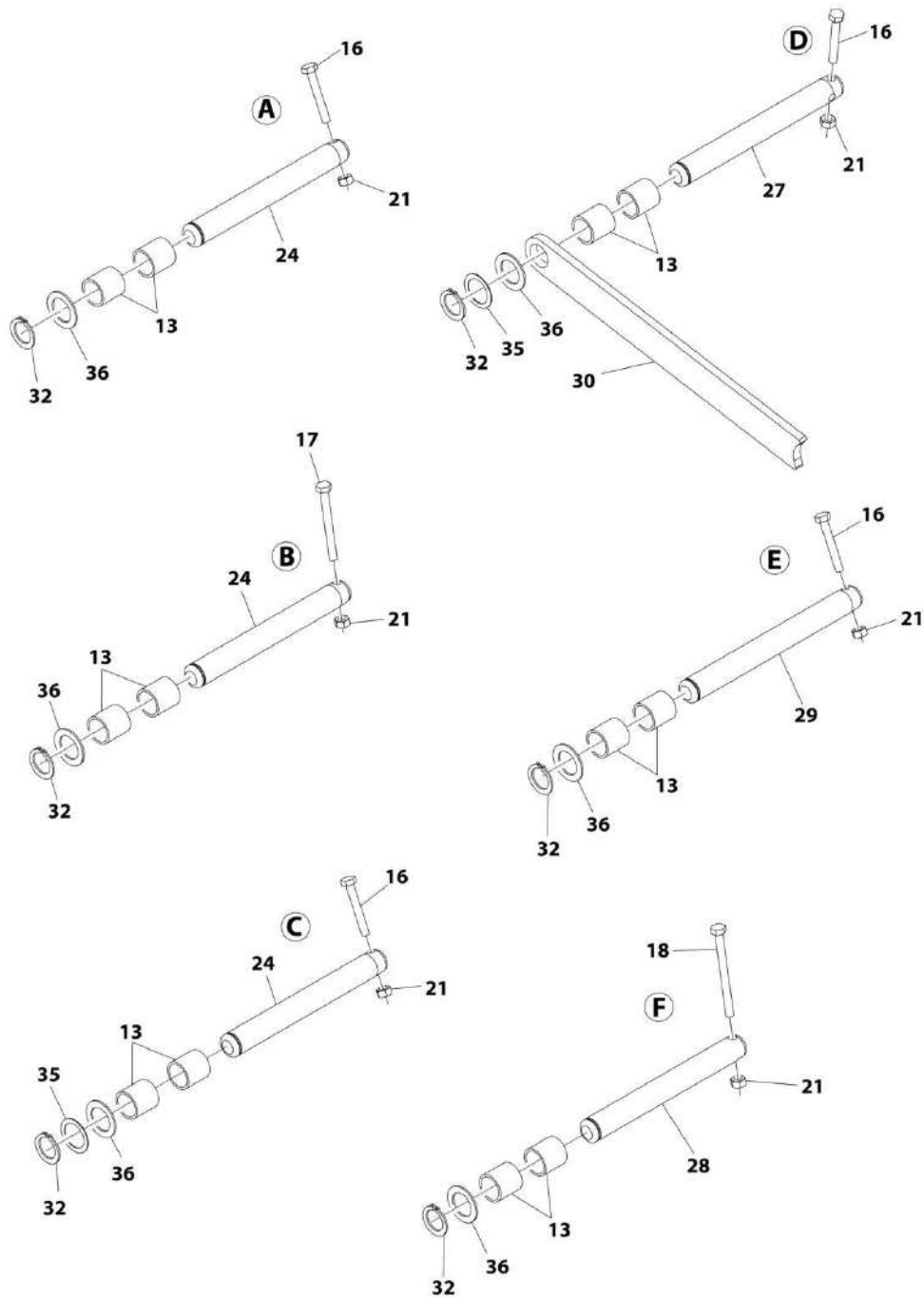
SECTION 3 - SCISSOR ARMS

FIGURE 3-28. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)



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SECTION 3 - SCISSOR ARMS



ART_1001191062_20F2

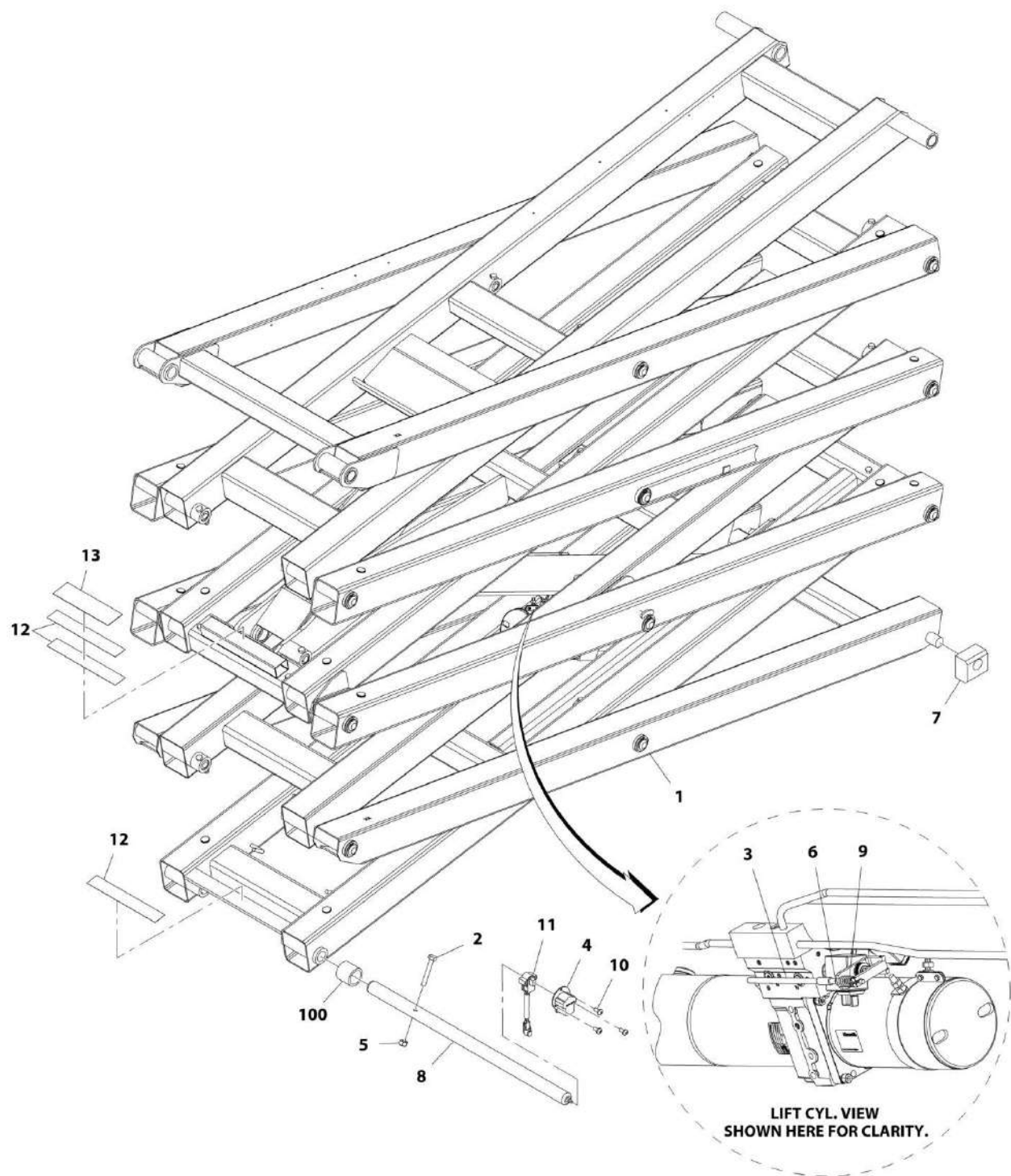
SECTION 3 - SCISSOR ARMS

FIGURE 3-28. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191062	Ref	SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (USA AND MEXICO BUILT MACHINES) (SN 0200241221 to Present, SN M200000100 to Present)	B
1	0200783	1	Arm - Lower Outboard (SN 0200241221 through 0200260988, SN M200000100 through M200006323)	
1	1001219386	1	Arm - Lower Outboard (SN 0200260989 to Present, SN M200006324 to Present)	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291007	25	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3760170	1	Pin	
29	3574161	1	Bar, Prop Attach	
30	3423170	4	Right, Split	
31	3760387	20	Ring, Retaining	
32	3841143	1	Keeper, Pin	
33	3860104	1	Roller, Arm Kicker	
34	4071094	AR	Shim, Spacer	
35	4740438	20	Washer	
36	4812000	4	Washer M10	
37	4846684	1	Kicker Weldment	
38	1001139000	1	Plate	
39	1001139002	2	Washer	
40	1001157333	1	Life Cylinder Assembly - Biodegradeable Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
41	1001191121	1	Pin	

SECTION 3 - SCISSOR ARMS

FIGURE 3-29. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL
(CHINA BUILT MACHINES) (SN B200020297 through B200020981)



ART_1001131013

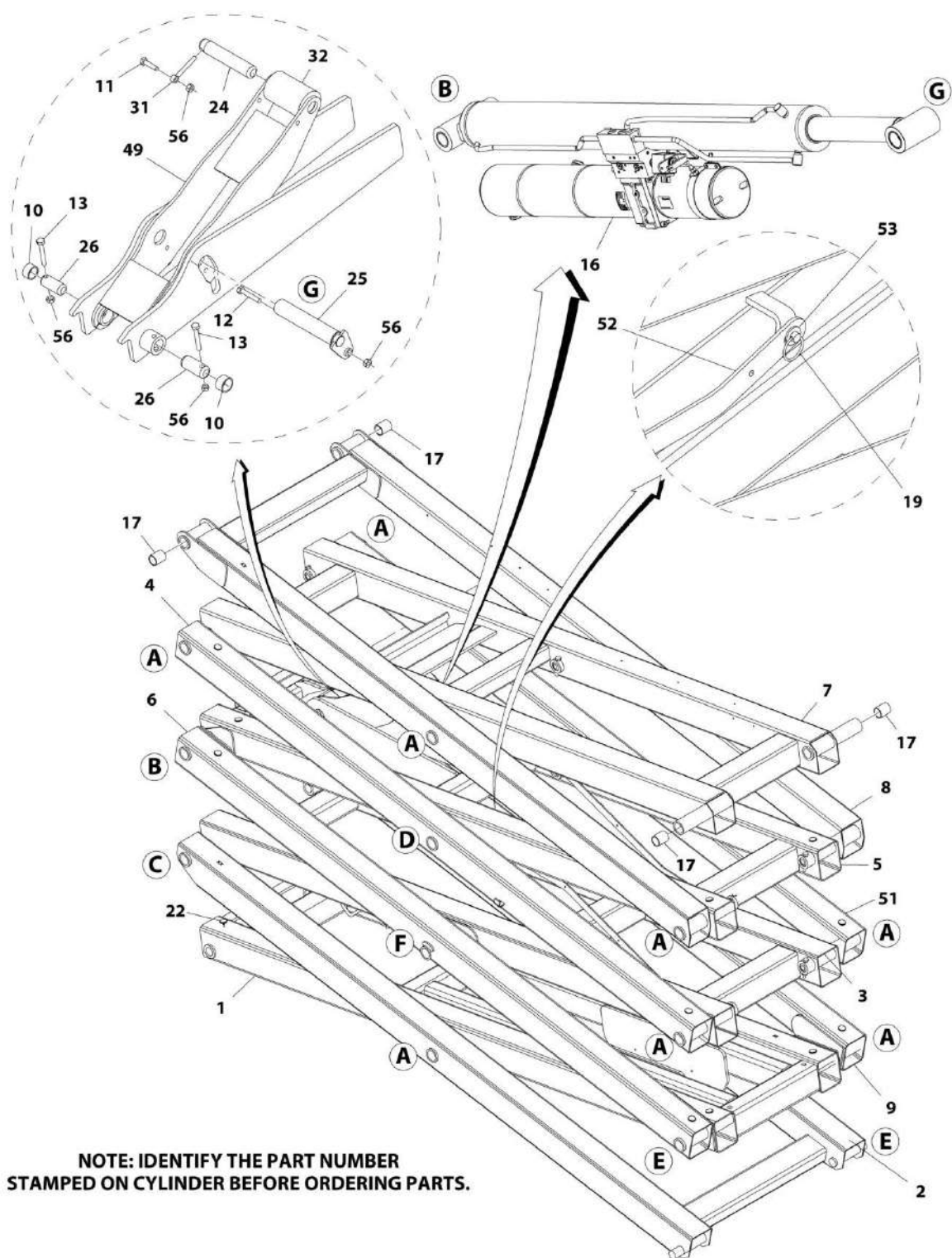
SECTION 3 - SCISSOR ARMS

FIGURE 3-29. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131013	Ref	SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	D
1	1001131031	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADABLE HYDRAULIC OIL for Breakdown)	
2	0701022	1	Bolt M10 x 70	
3	1061034	1	Cable, Manual Descent	
3	7020218	1	T-Handle (With 1/4-20 Threads)	
3	70001878	1	T-Handle (With 5mm Threads)	
4	3200454	1	Mount, Switch	
5	3291005	1	Nut M10	
6	3321402	1	Nut 1/4-28	
7	3340957	2	Pad, Slide	
8	3423255	1	Pin, Sensor	
9	4160078	1	Spring, Compression	
10	4191706	3	Screw M6 x 12	
11	1001092354	1	Switch, Rotary Angle Sensor	
11	4460536	1	Receptacle, Female - 3 Position	
11	4460464	3	Pin, Male	
12	4420070	3	Tape, Anti-Skid	
13	4420080	1	Tape, Safety Tread Step	
100	0440265	2	Bushing (Part of Frame Weldment)	

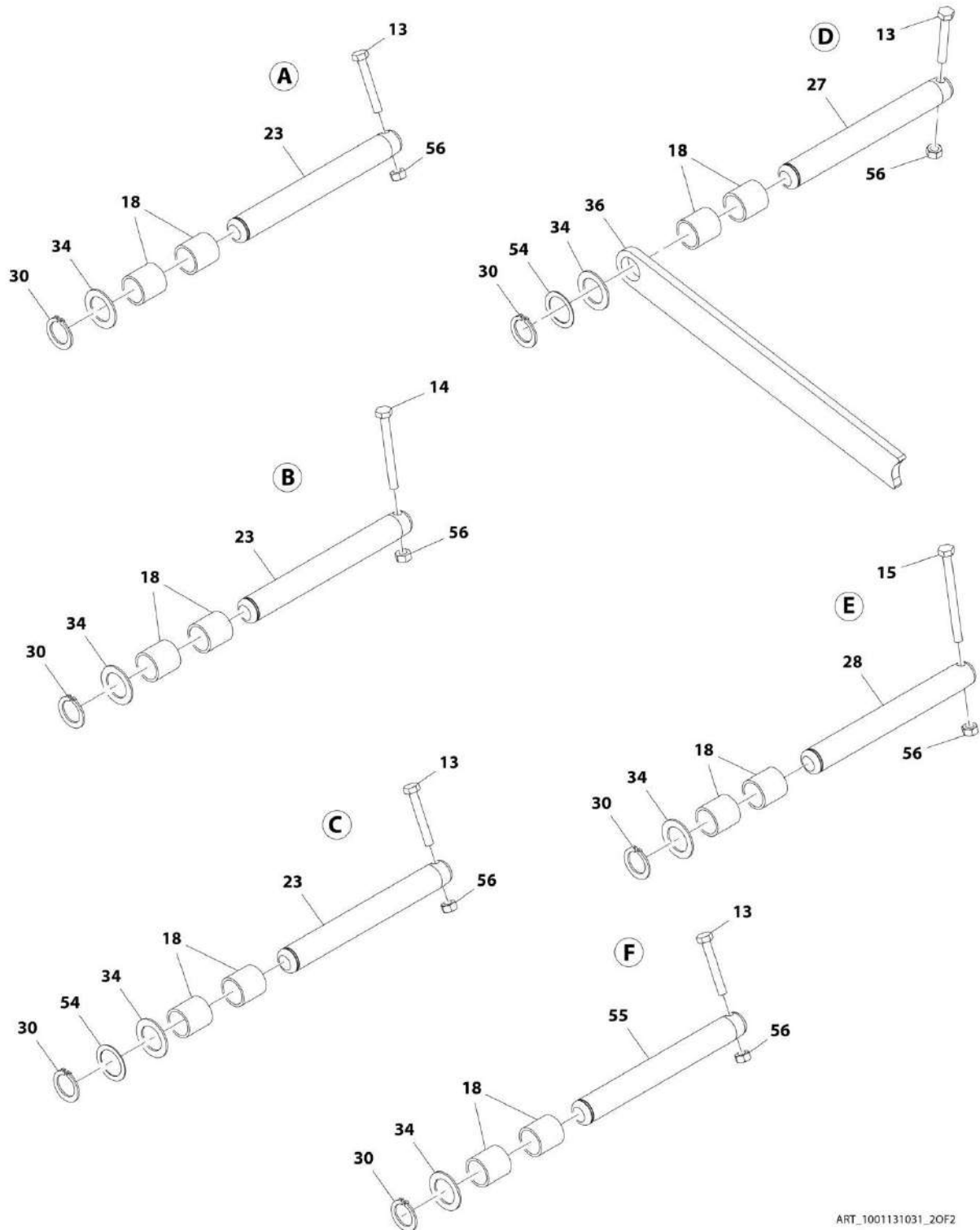
SECTION 3 - SCISSOR ARMS

FIGURE 3-30. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)



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SECTION 3 - SCISSOR ARMS



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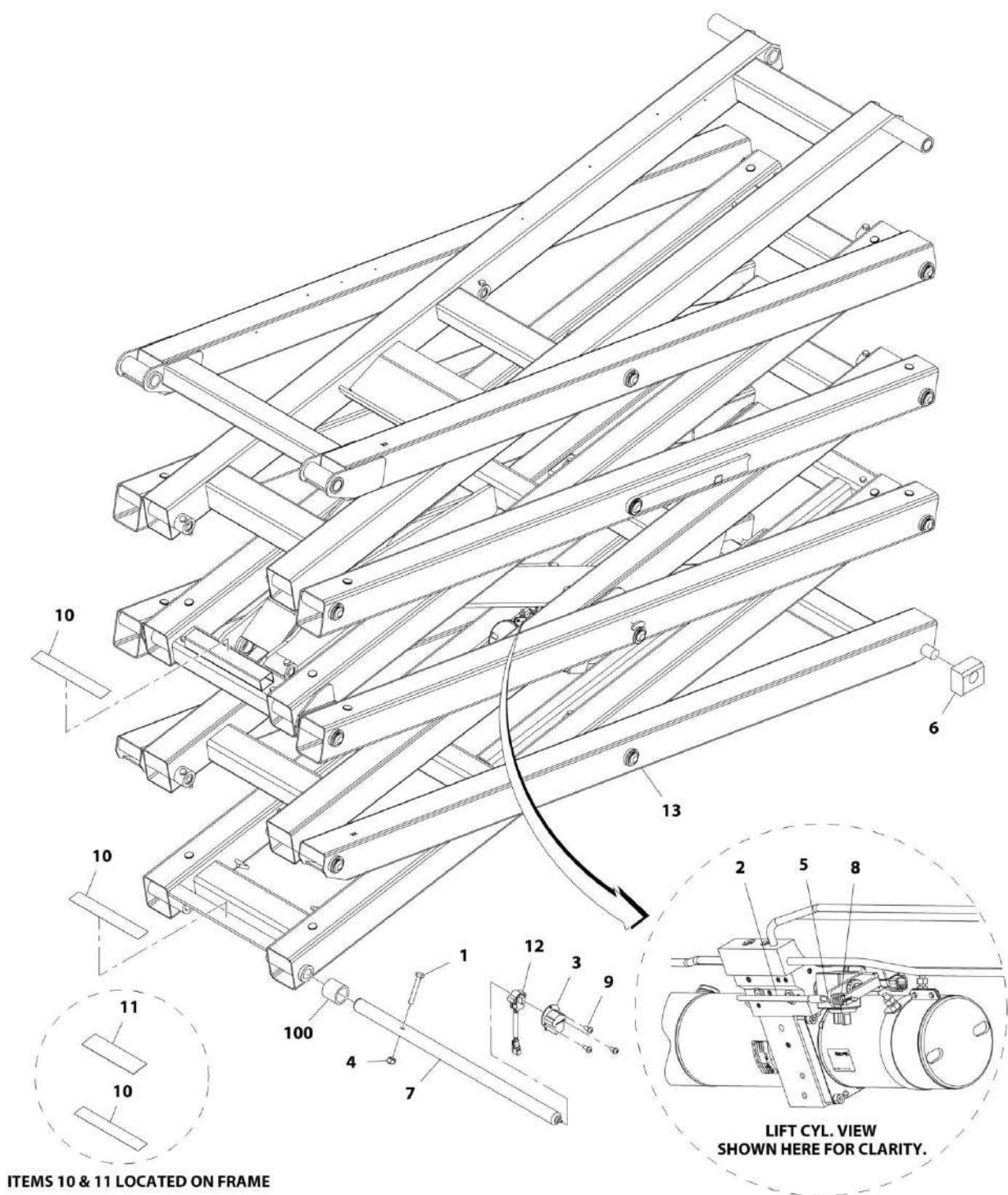
SECTION 3 - SCISSOR ARMS

FIGURE 3-30. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131031	Ref	SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020297 through B200020981)	E
1	0200832	1	Arm - Lower Inboard	
2	0200783	1	Arm - Upper Outboard	
3	0200831	1	Arm - Lower Mid Inboard	
4	0200830	1	Arm - Upper Mid Outboard (Right Side)	
5	0200829	1	Arm - Upper Mid Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200827	1	Arm - Upper Inboard	
8	0200789	1	Arm - Upper Outboard	
9	0200826	1	Arm - Lower Mid Outboard (Left Side)	
10	0440257	2	Bearing	
11	0701016	1	Bolt M10 x 40	
12	0701020	1	Bolt M10 x 60	
13	0701022	19	Bolt M10 x 70	
14	0701027	2	Bolt M10 x 100	
15	0701029	2	Bolt M10 x 120	
16	1001131037	1	Lift Cylinder Assembly - Biodegradeable Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
17	0440266	4	Bearing	
18	0440267	40	Bearing	
19	3760170	4	Ring, Split	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423009	NLA	Pin (Use p/n 1001226707)	
26	3423011	2	Pin	
27	3423014	1	Pin	
28	3423026	2	Pin	
30	3760387	20	Ring, Retaining	
31	3841143	1	Keeper, Pin	
32	3860104	1	Roller, Arm Kicker	
34	4740438	20	Washer	
36	3574161	1	Bar, Prop Attach	
49	4846684	1	Weld, Kicker	
51	0200820	1	Arm - Upper Mid Outboard (Left Side)	
52	1180380	2	Carrier, Cable	
53	4812000	4	Washer M10	
54	4071094	1	Shim, Spacer	
55	3423170	1	Pin	
56	3291007	25	Nut M10	

SECTION 3 - SCISSOR ARMS

FIGURE 3-31. SCISSOR ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL
(CHINA BUILT MACHINES) (SN B200020982 to Present)



ART_1001191066

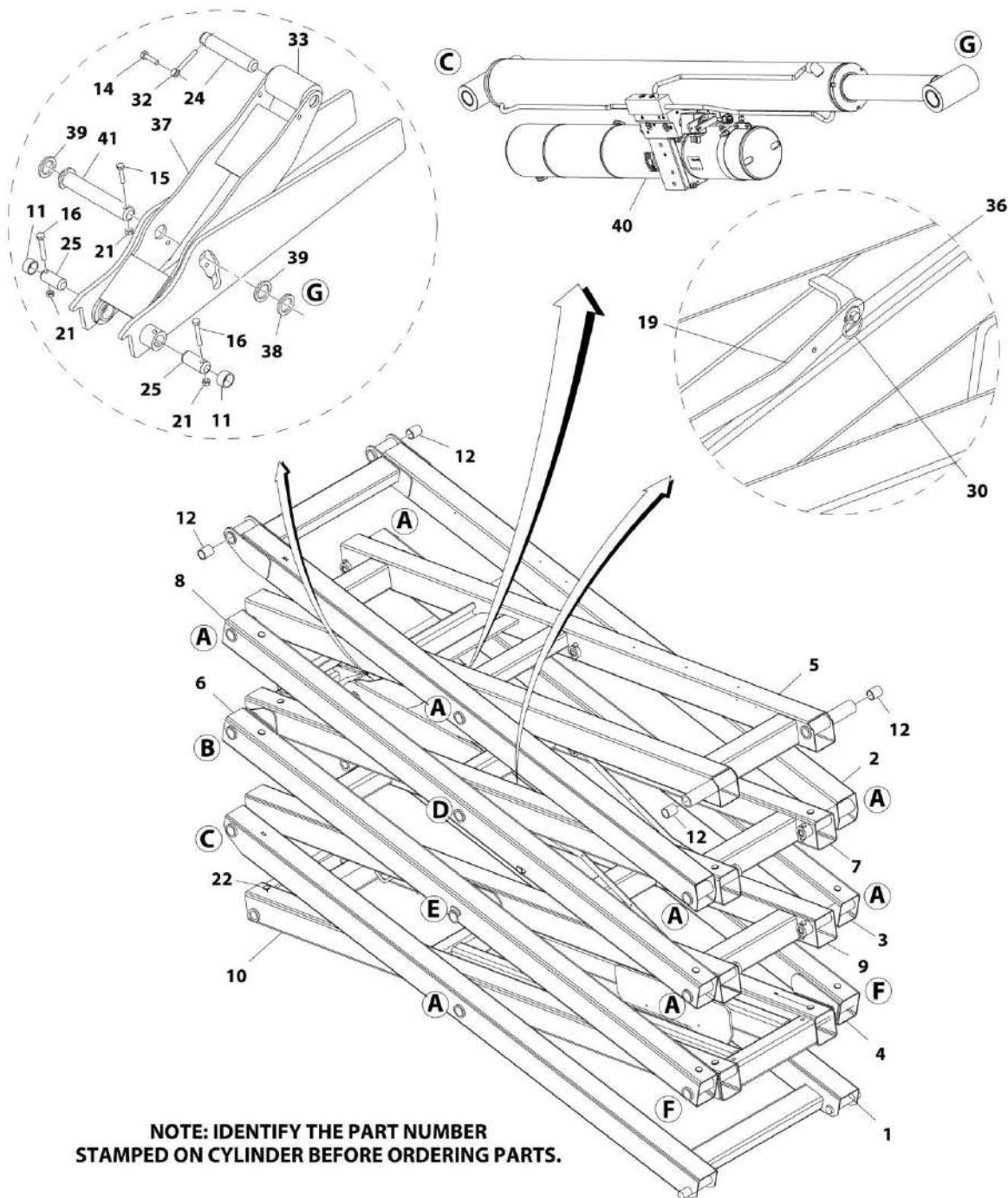
SECTION 3 - SCISSOR ARMS

FIGURE 3-31. SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191066	Ref	SCISSORS ARMS INSTALLATION - 3246ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)	B
1	0701022	1	Bolt M10 x 70	
2	1061034	1	Cable, Manual Descent	
2	7020218	1	T-Handle (With 1/4-20 Threads)	
2	70001878	1	T-Handle (With 5mm Threads)	
3	3200454	1	Mount, Switch	
4	3291005	1	Nut M10	
5	3321402	1	Nut 1/4-28	
6	3340957	2	Pad, Slide	
7	3423255	1	Pin, Sensor	
8	4160078	1	Spring, Compression	
9	4191706	3	Screw M6 x 12	
10	4420070	3	Tape, Anti-Skid	
11	4420080	1	Tape, Safety Tread Step	
12	1001092354	1	Switch, Rotary Angle Sensor	
12	4460536	1	Receptacle, Female - 3 Position	
12	4460464	3	Pin, Male	
13	1001191058	1	Arms Assembly (See SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) for Breakdown)	
100	0440265	2	Bushing (Part of Frame Weldment)	

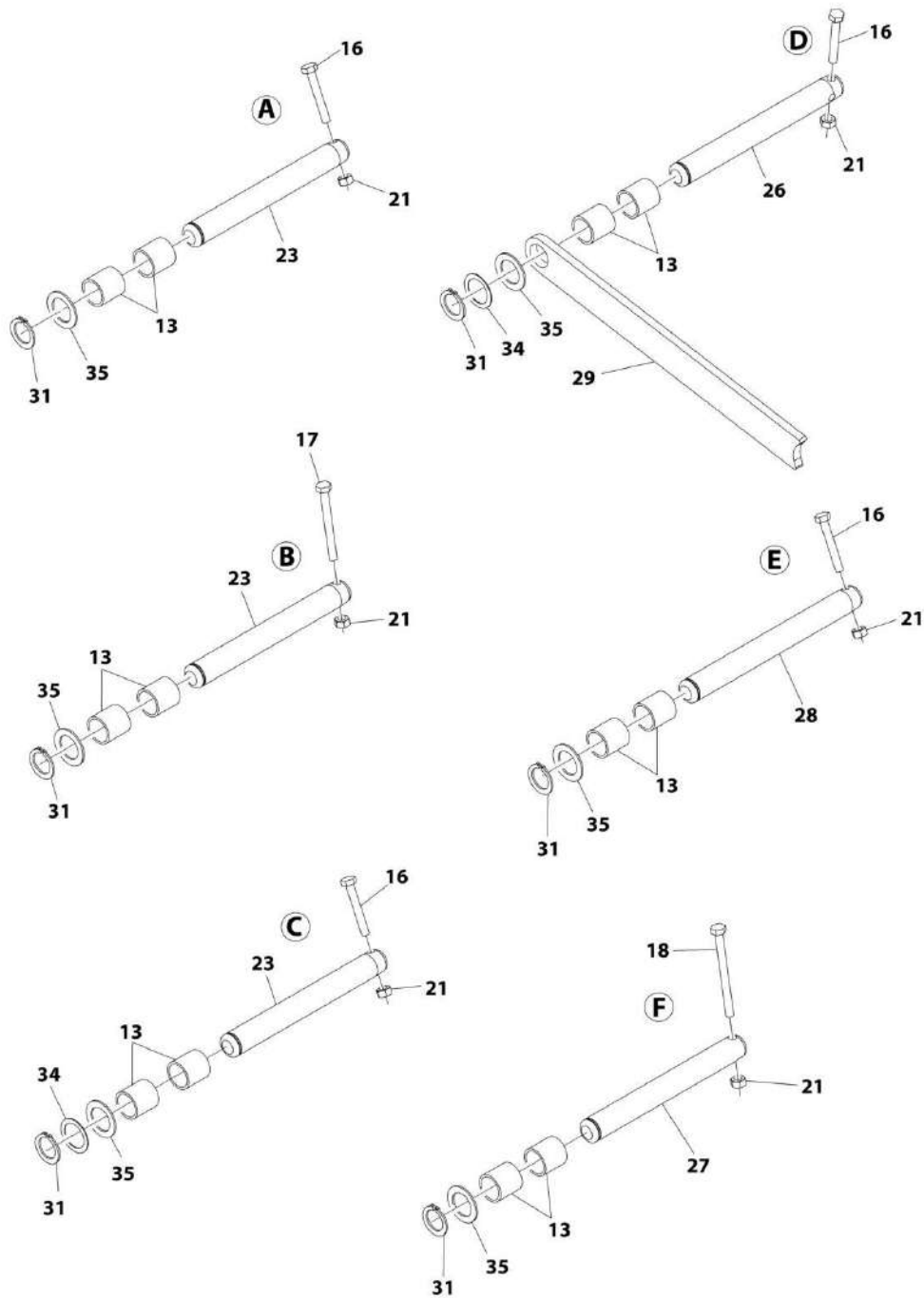
SECTION 3 - SCISSOR ARMS

FIGURE 3-32. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)



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SECTION 3 - SCISSOR ARMS



ART_1001191058_20F2

SECTION 3 - SCISSOR ARMS

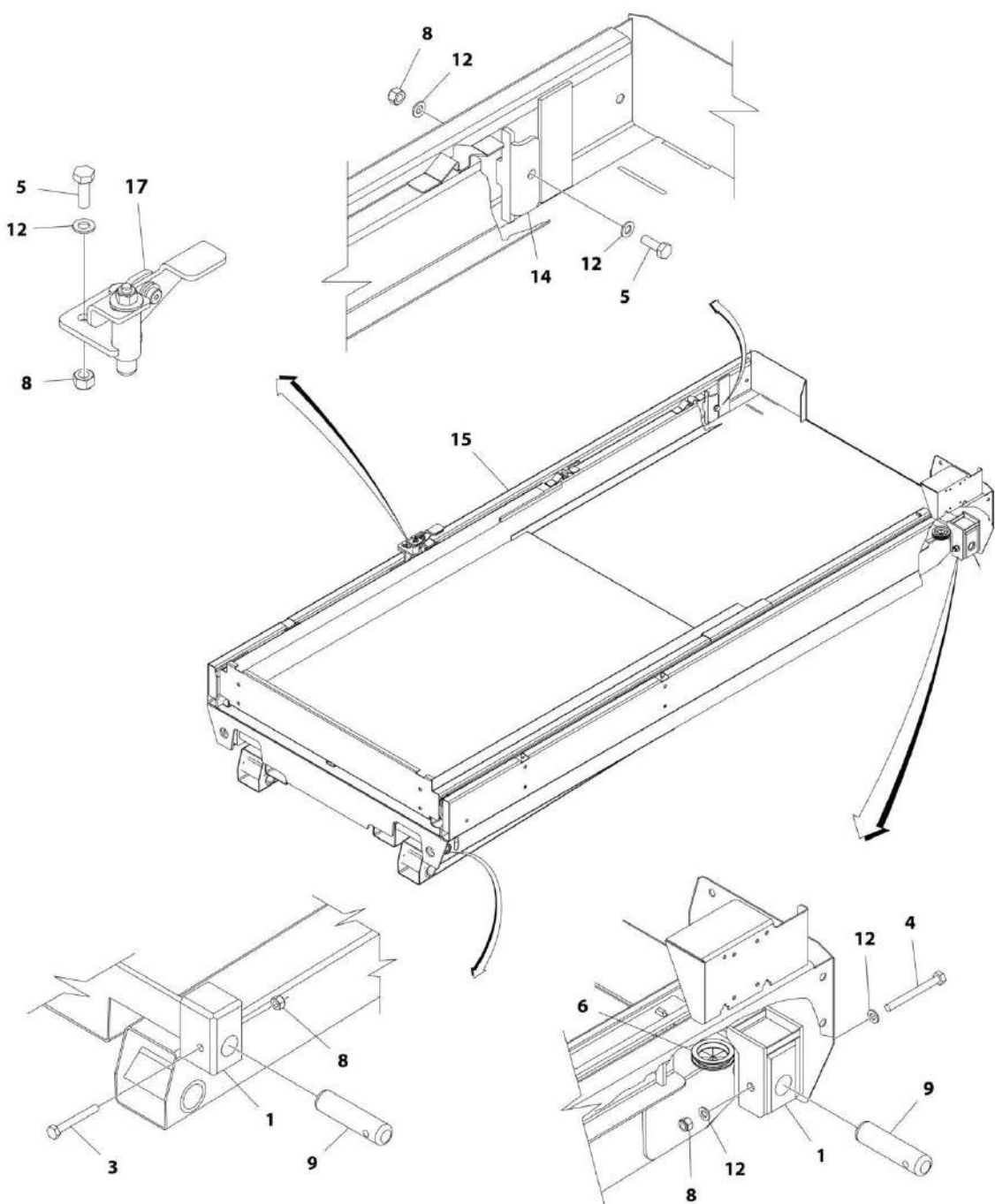
FIGURE 3-32. SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191058	Ref	SCISSORS ARMS ASSEMBLY - 3246ES BIODEGRADEABLE HYDRAULIC OIL (CHINA BUILT MACHINES) (SN B200020982 to Present)	B
1	0200783	1	Arm - Lower Outboard (SN B200020982 through B200037413)	
1	1001219386	1	Arm - Lower Outboard (SN B200037414 to Present)	
2	0200789	1	Arm - Upper Outboard	
3	0200820	1	Arm - Upper Mid Outboard (Left Side)	
4	0200826	1	Arm - Lower Mid Outboard (Left Side)	
5	0200827	1	Arm - Upper Inboard	
6	0200828	1	Arm - Lower Mid Outboard (Right Side)	
7	0200829	1	Arm - Upper Mid Inboard	
8	0200830	1	Arm - Upper Mid Outboard (Right Side)	
9	0200831	1	Arm - Lower Mid Inboard	
10	0200832	1	Arm - Lower Inboard	
11	0440257	2	Bearing	
12	0440266	4	Bearing	
13	0440267	40	Bearing	
14	0701016	1	Bolt M10 x 40	
15	0701018	1	Bolt M10 x 50	
16	0701022	19	Bolt M10 x 70	
17	0701027	2	Bolt M10 x 100	
18	0701029	2	Bolt M10 x 120	
19	1180380	2	Carrier, Cable	
21	3291007	25	Nut M10	
22	3340962	24	Pad, Arm	
23	3422997	17	Pin	
24	3422998	1	Pin	
25	3423011	2	Pin	
26	3423014	1	Pin	
27	3423026	2	Pin	
28	3423170	1	Pin	
29	3574161	1	Bar, Prop Attach	
30	3760170	4	Right, Split	
31	3760387	20	Ring, Retaining	
32	3841143	1	Keeper, Pin	
33	3860104	1	Roller, Arm Kicker	
34	4071094	AR	Shim, Spacer	
35	4740438	20	Washer	
36	4812000	4	Washer M10	
37	4846684	1	Kicker Weldment	
38	1001139000	1	Plate	
39	1001139002	2	Washer	
40	1001131037	1	Life Cylinder Assembly - Biodegradeable Hydraulic Oil (See CYLINDER SECTION for Breakdown)	
41	1001191121	1	Pin	

SECTION 4 - PLATFORM

SECTION 4 - PLATFORM

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



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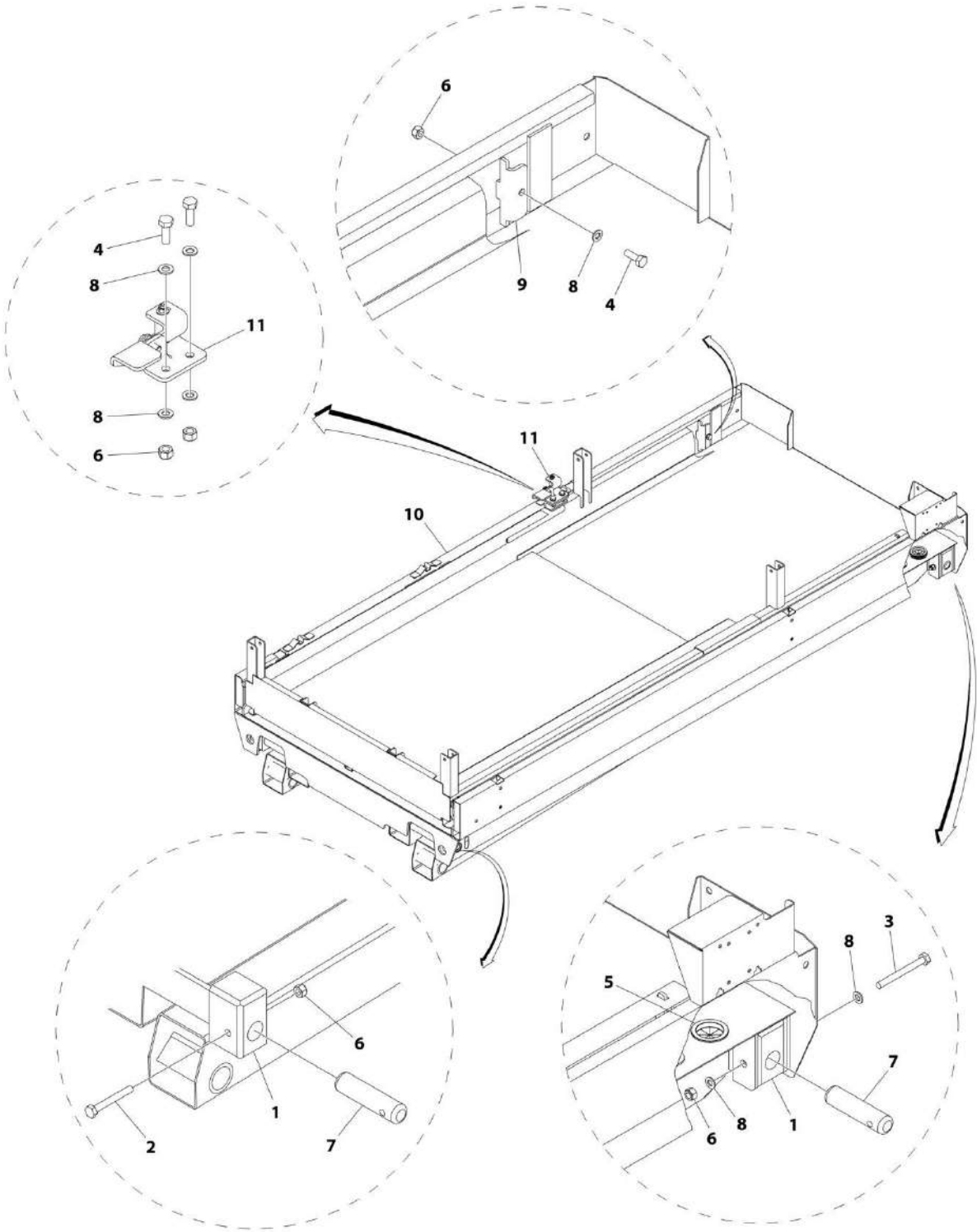
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177180	Ref	PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITHOUT LSS	F
1	0561520	4	Block, Slide	
3	0701024	2	Bolt M10 x 80	
4	0701027	2	Bolt M10 x 100	
5	0761014	4	Bolt M10 x 30	
6	2540045	1	Grommet	
8	3291005	8	Nut M10	
9	3423049	4	Pin, Latch	
12	4812000	10	Washer M10	
14	1001175188	2	Bracket, Stop	
15	1001175461	1	Platform and Extension Assembly - With Inside Extension Rails (See PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAILS for Breakdown)	
17	1001182302	1	Latch Assembly - With Inside Extension Rails (See LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS for Breakdown) (SN 1200025021 through 1200030233, SN B200020297 through B200051184, SN M200000100 through M200021520)	
17	1001234398	1	Latch Assembly - With Inside Extension Rails (See LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS for Breakdown) (SN 1200030234 to Present, SN B200051185 to Present, SN M200021521 to Present)	

SECTION 4 - PLATFORM

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



ART_1001216200

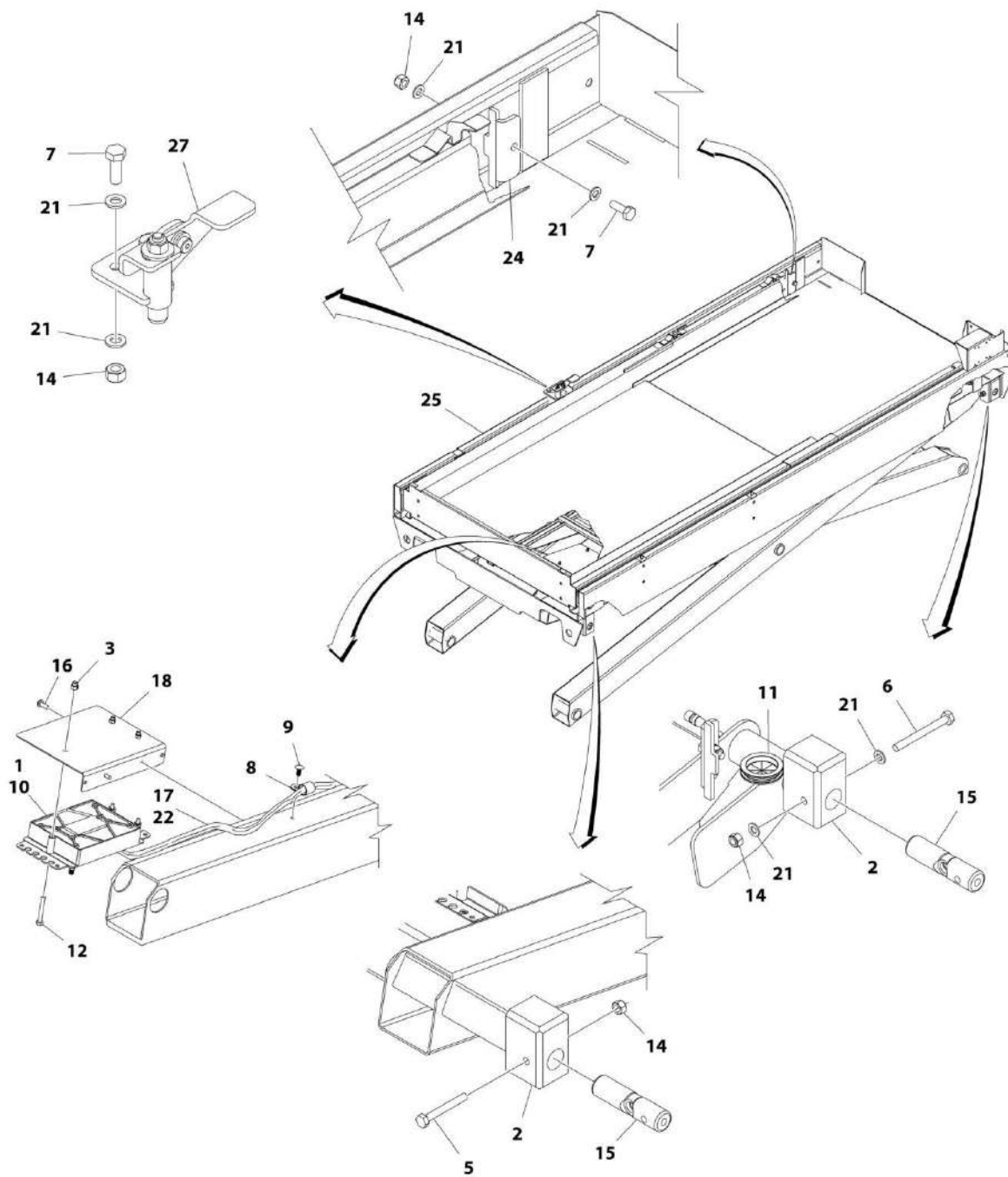
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216200	Ref	PLATFORM INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND WITHOUT LSS	A
1	0561520	4	Block, Slide	
2	0701024	2	Bolt M10 x 80	
3	0701027	2	Bolt M10 x 100	
4	0761014	4	Bolt M10 x 30	
5	2540045	1	Grommet	
6	3291005	8	Nut M10	
7	3423049	4	Pin, Latch	
8	4812000	10	Washer M10	
9	1001175188	2	Bracket, Stop	
10	1001209252	1	Platform and Extension Assembly - With Outside Extension Rails (See PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS for Breakdown)	
11	1001209256	1	Latch Assembly - With Outside Extension Rails (See LATCH ASSEMBLY - WITH OUTSIDE EXTENSION RAILS for Breakdown)	

SECTION 4 - PLATFORM

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



ART_1001177181

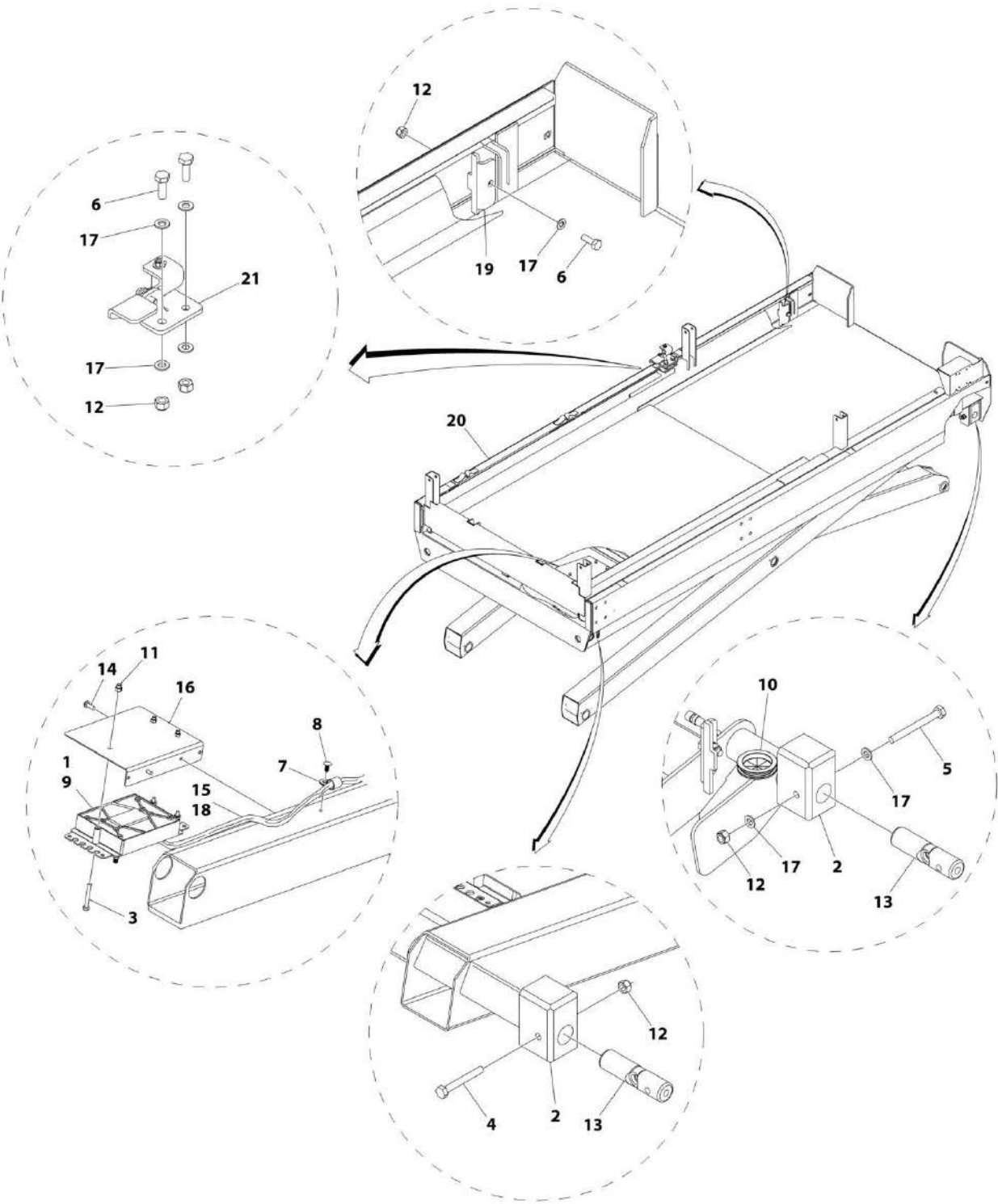
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177181	Ref	PLATFORM INSTALLATION - WITH INSIDE EXTENSION RAILS AND WITH LSS	E
1	0100048	AR	Compound, Sealing	
2	0561520	4	Block, Slide	
3	0700617	3	Bolt M6 x 45	
5	0701024	2	Bolt M10 x 80	
6	0701027	2	Bolt M10 x 100	
7	0761014	4	Bolt M10 x 30	
8	1320318	3	Clamp	
9	1380158	3	Clip, Retainer	
10	1600387	1	Controller, Load Sense	
11	2540045	1	Grommet	
12	3290606	3	Nut M6	
14	3291005	8	Nut M10	
15	3422938	4	Pin, Load Management, 1.25	
16	4191707	2	Screw M6 x 16	
17	4240033	AR	Tie-Strap	
18	4340931	1	Mount, LSS Module	
21	4812000	10	Washer M10	
22	4923228	1	Harness, Load Sense	
24	1001175188	2	Bracket, Stop	
25	1001175461	1	Platform and Extension Assembly - With Inside Extension Rails (See PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAILS for Breakdown)	
27	1001182302	1	Latch Assembly - With Inside Extension Rails (See LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS for Breakdown) (SN 1200025021 through 1200030233, SN B200020297 through B200051184, SN M200000100 through M200021520)	
27	1001234398	1	Latch Assembly - With Inside Extension Rails (See LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS for Breakdown) (SN 1200030234 to Present, SN B200051185 to Present, SN M200021521 to Present)	

SECTION 4 - PLATFORM

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



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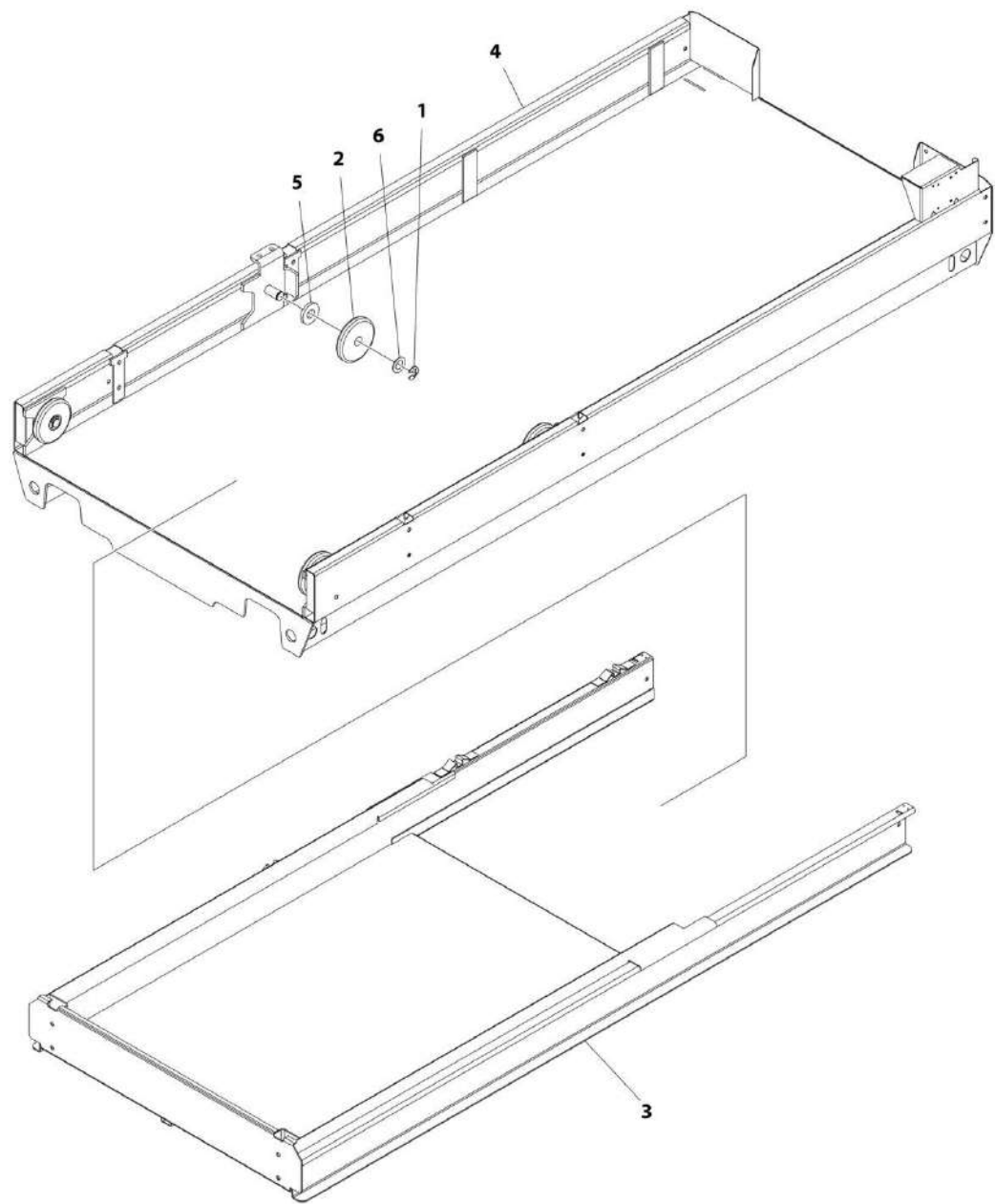
SECTION 4 - PLATFORM

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

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

SECTION 4 - PLATFORM

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



ART_1001175461

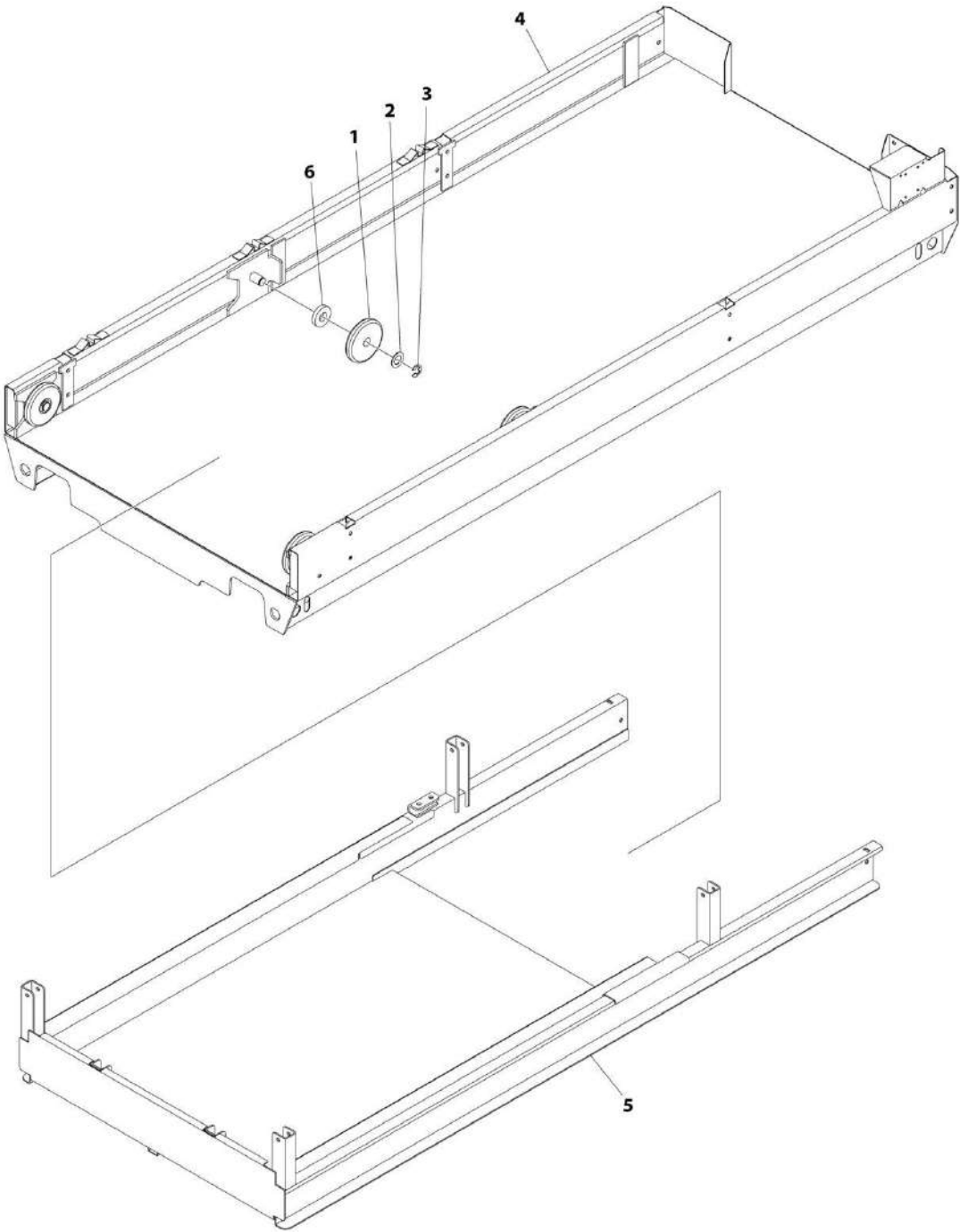
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175461	Ref	PLATFORM AND EXTENSION ASSEMBLY - WITH INSIDE EXTENSION RAILS	O
1	1001182339	4	Clip	
2	3860118	4	Roller	
3	1001175191	1	Extension, Platform (SN 0200239382 to Present, SN 1200025021 through 1200030201, SN B200020297 through B200051184, SN M200000100 through M200019953)	
3	1001232146	1	Extension, Platform (SN 1200030202 to Present, SN B200051185 to Present, SN M200019954 to Present)	
4	1001175192	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_1001209252

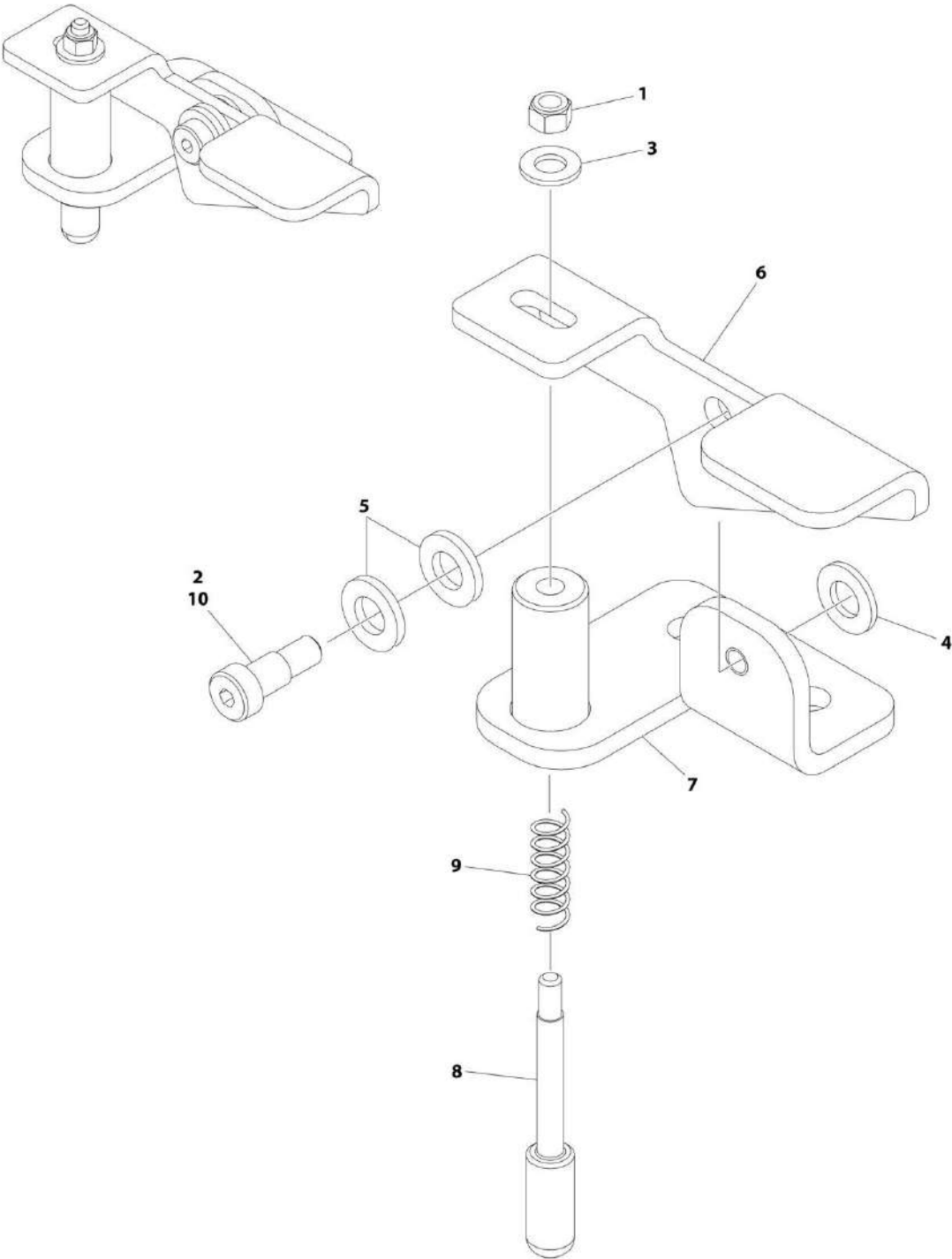
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209252	Ref	PLATFORM AND EXTENSION ASSEMBLY - WITH OUTSIDE EXTENSION RAILS	C
1	3860118	4	Roller	
2	4740446	4	Washer, Thrust	
3	1001182339	4	Clip	
4	1001209257	1	Platform	
5	1001209262	1	Extension, Platform	
6	1001211892	4	Tube, Spacer	

SECTION 4 - PLATFORM

FIGURE 4-7. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS (SN 1200025021 through 1200030233, SN B200020297 through B200051184, SN M200000100 through M200021520)



ART_1001182302

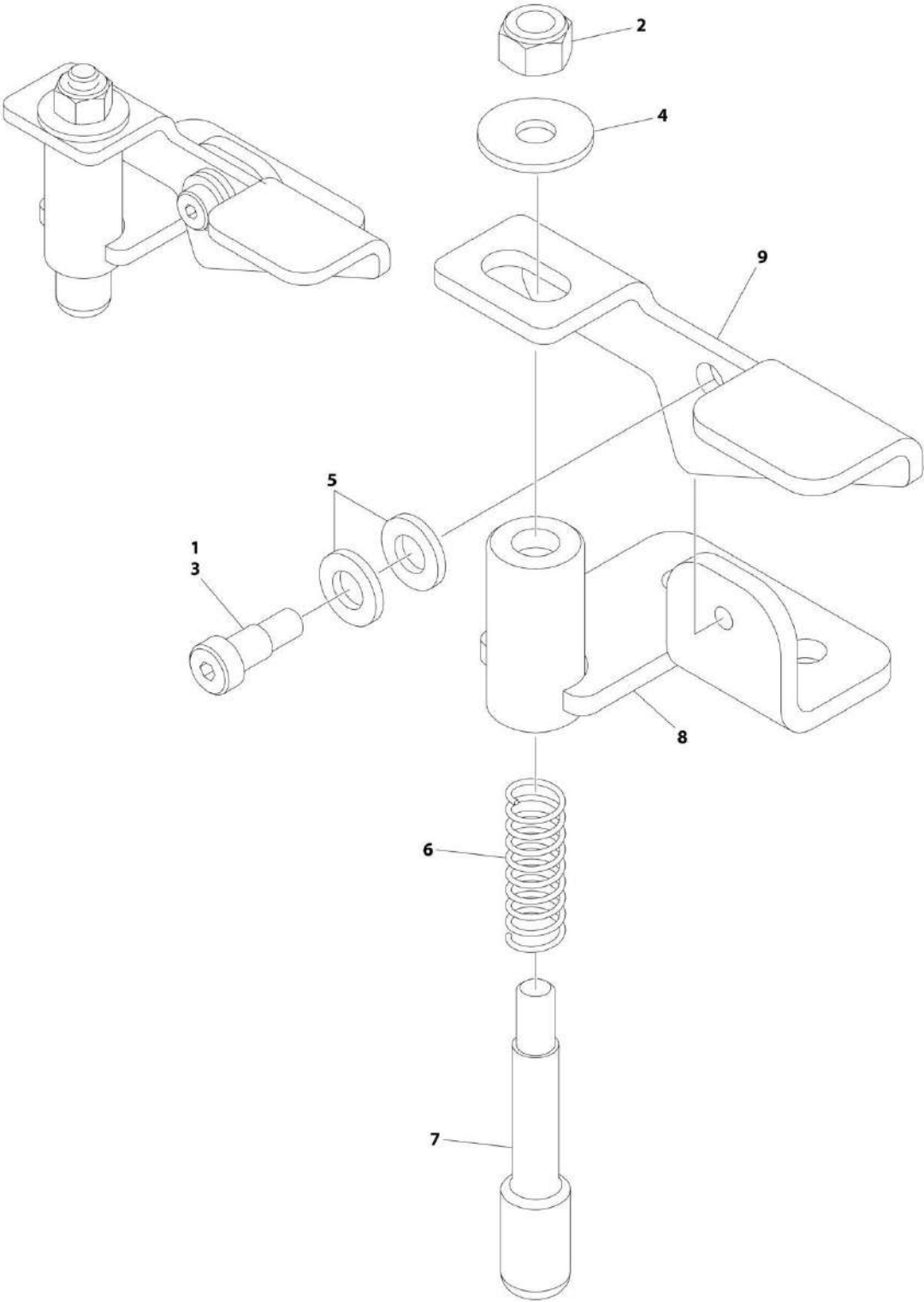
SECTION 4 - PLATFORM

FIGURE 4-7. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS (SN 1200025021 through 1200030233, SN B200020297 through B200051184, SN M200000100 through M200021520)

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 1200030234 to Present, SN B200051185 to Present, SN M200021521 to Present)



ART_1001234398

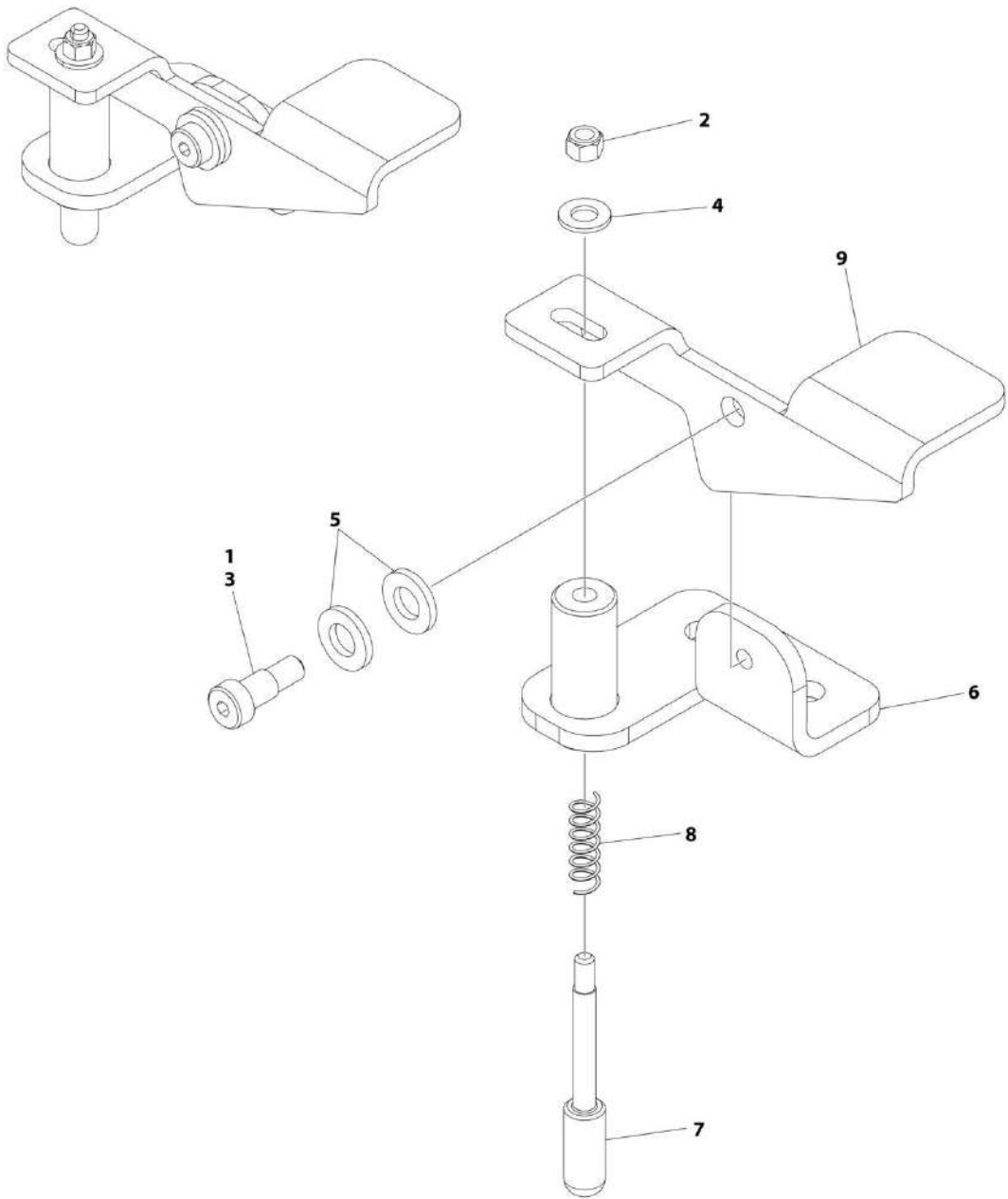
SECTION 4 - PLATFORM

FIGURE 4-8. LATCH ASSEMBLY - WITH INSIDE EXTENSION RAILS (SN 1200030234 to Present, SN B200051185 to Present, SN M200021521 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

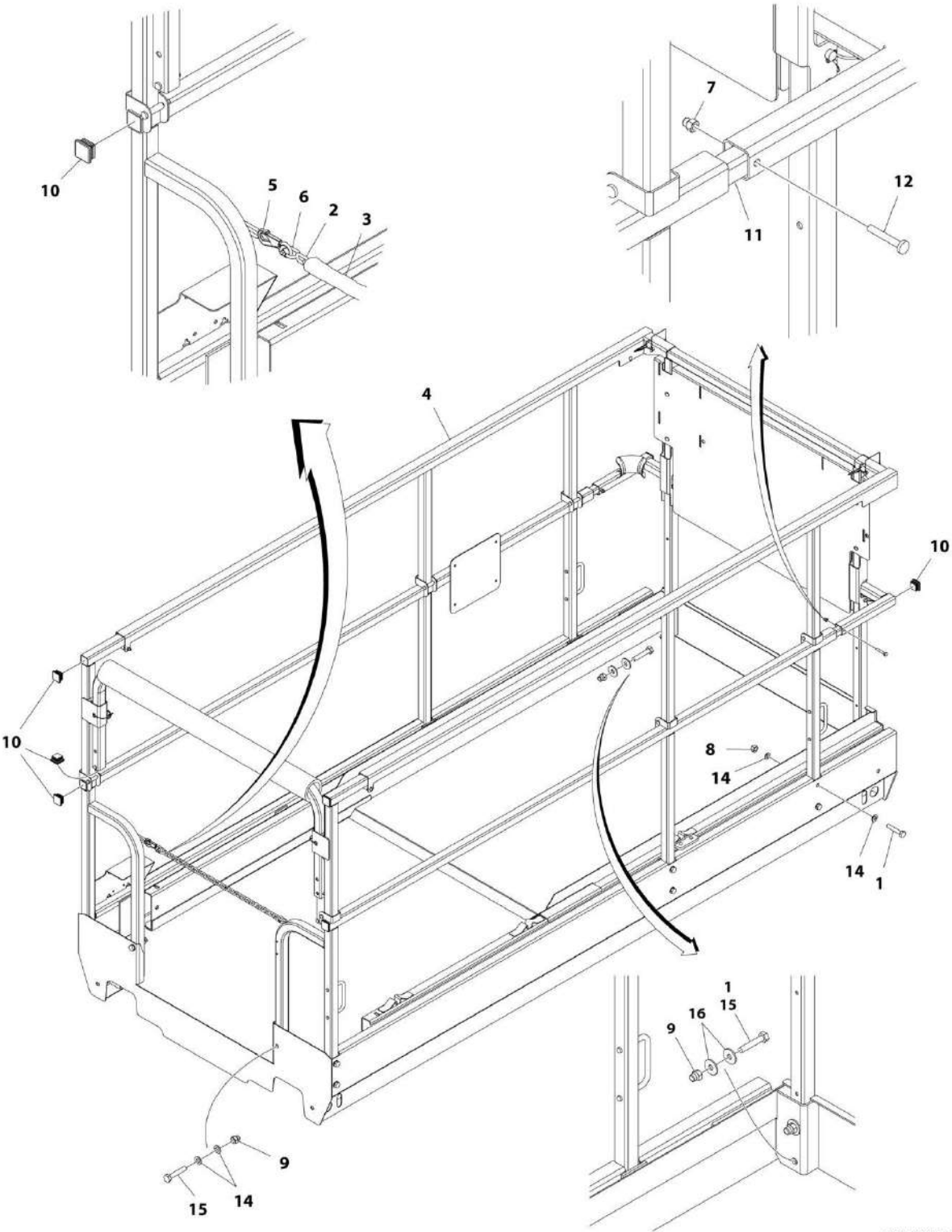
SECTION 4 - PLATFORM

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 B200020297 through B300049127, SN M200000100 through M200021508)	
7	1001221476	1	Rod, Threaded (SN 0200266382 to Present, SN 1200030069 to Present, SN B200049128 to Present, SN M200021509 to Present)	
8	1001182338	1	Spring (SN 0200239382 through 0200266381, SN 1200025021 through 1200030068, SN B200020297 through B300049127, SN M200000100 through M200021508)	
8	1001221475	1	Spring (SN 0200266382 to Present, SN 1200030069 to Present, SN B200049128 to Present, SN M200021509 to Present)	
9	1001209280	1	Latch	

SECTION 4 - PLATFORM

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



ART_1001176742

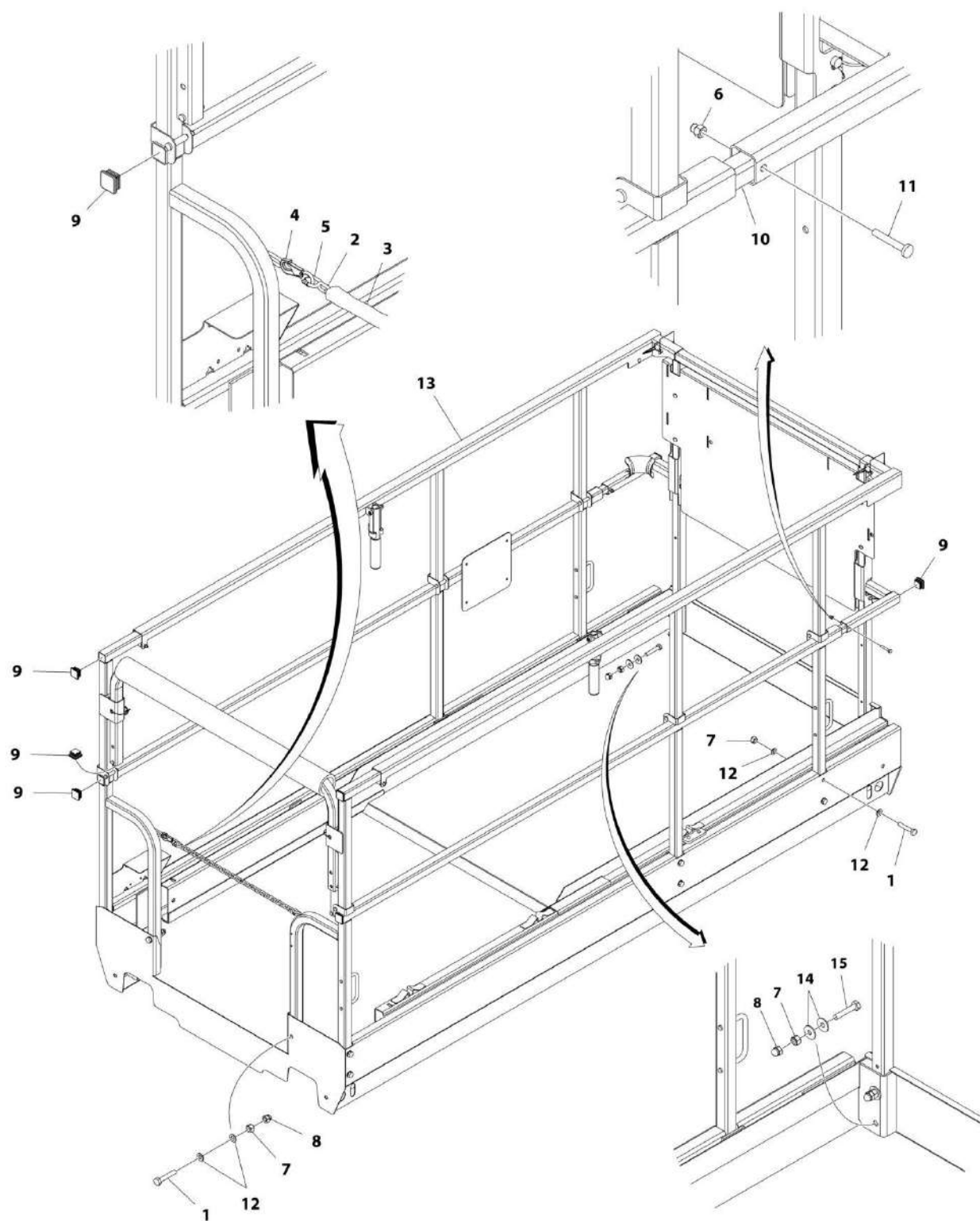
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176742	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND CHAIN GATE	F
1	0701019	AR	Bolt M10 x 55	
2	1260136	20 in/.5m	Chain	
3	2820097	19 in/.5m	Cover, Chain	
4	1001179838	1	Rail Kit - With Inside Extension Rails and Chain Gate (See RAIL KIT - WITH INSIDE EXTENSION RAILS AND CHAIN GATE for Breakdown)	
5	2940064	1	Latch, Snap	
6	3010088	2	Link	
7	3290606	2	Nut M6	
8	3291005	AR	Nut M10	
9	3300477	6	Nut	
9	3291006	6	Nut M10	
10	3520072	6	Plug	
11	3841716	2	Rod, Fiberglass	
12	4010616	2	Screw M6 x 40	
14	4812000	AR	Washer M10	
15	0701019	6	Bolt M10 x 55	
15	0701018	6	Bolt M10 x 50	
16	4812000	8	Washer M10	
16	4812002	8	Washer M10	

SECTION 4 - PLATFORM

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



ART_1001212852

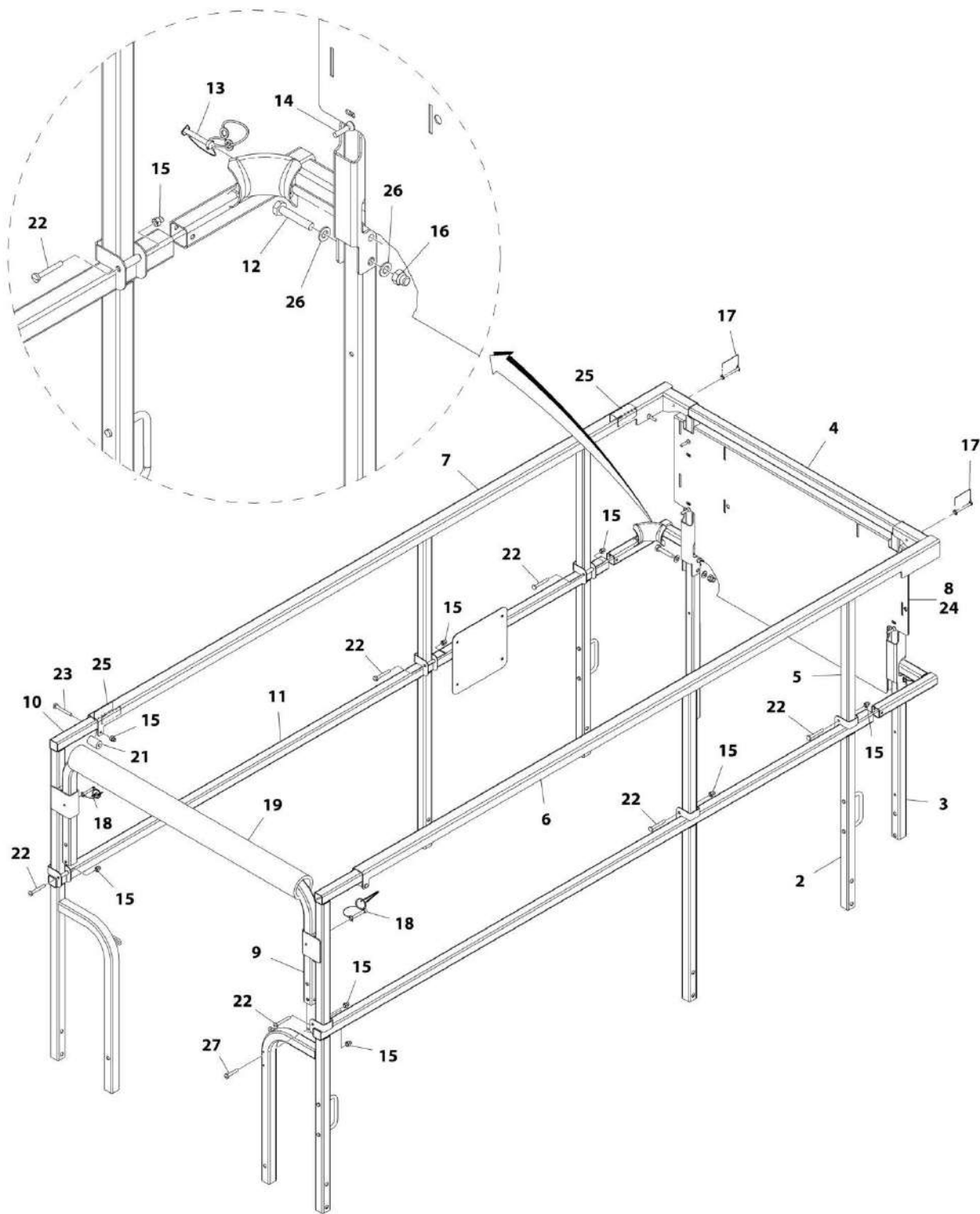
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212852	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE	B
1	0701019	AR	Bolt M10 x 55	
2	1260136	20 in/ .5m	Chain	
3	2820097	19 in/ .5m	Cover, Chain	
4	2940064	1	Latch, Snap	
5	3010088	2	Link	
6	3290606	2	Nut M6	
7	3291005	18	Nut M10	
8	3300477	6	Nut	
9	3520072	6	Plug	
10	3841716	2	Rod, Fiberglass	
11	4010616	2	Screw M6 x 40	
12	4812000	AR	Washer M10	
13	1001212877	1	Rail Kit - With Inside Extension Rails, Handle and Chain Gate (See RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE for Breakdown)	
14	4812000	8	Washer M10	
14	4812002	8	Washer M10	
15	0701019	4	Bolt M10 x 55	
15	0701021	4	Bolt M10 x 65	

SECTION 4 - PLATFORM

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



ART_1001179838

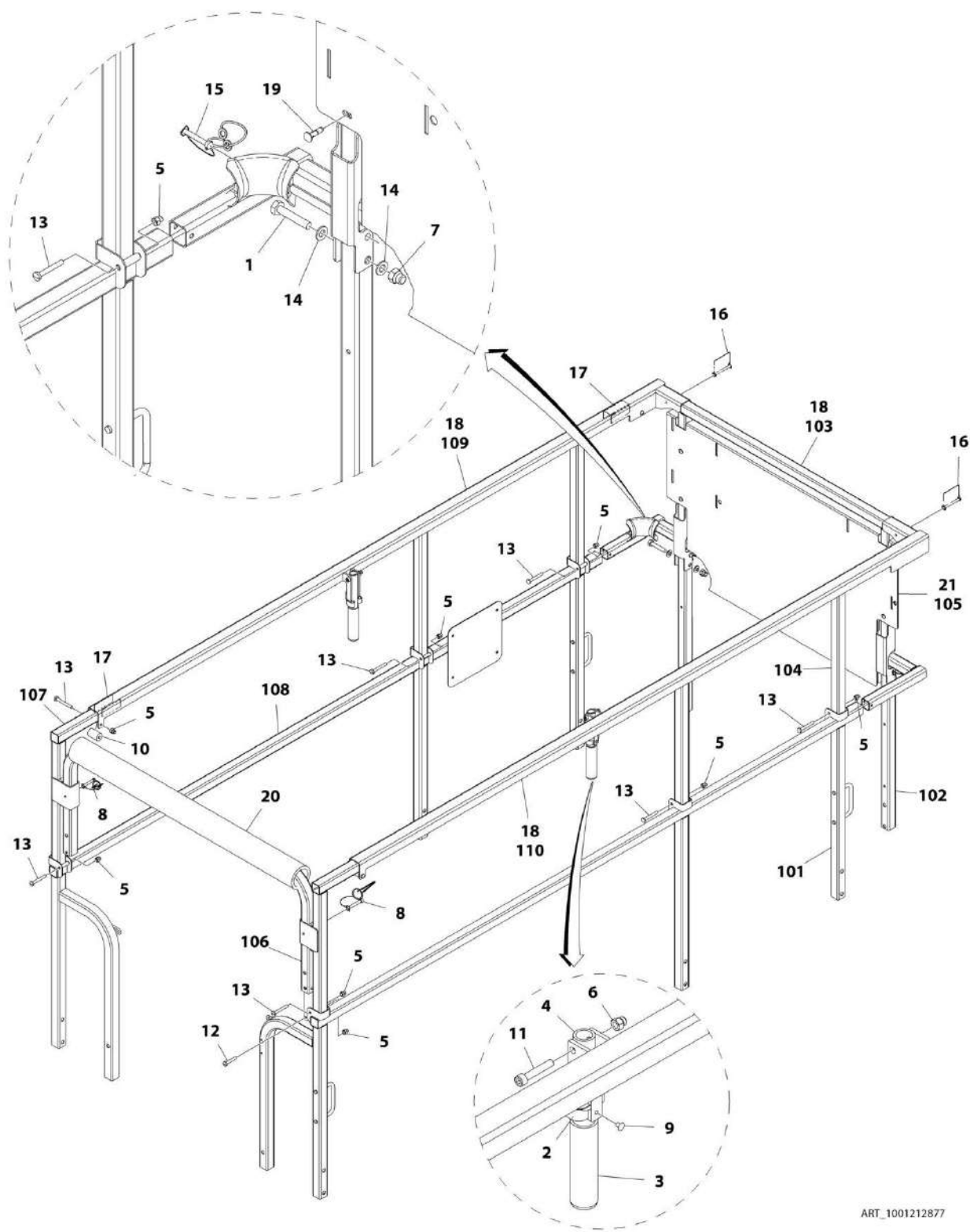
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179838	Ref	RAIL KIT - WITH INSIDE EXTENSION RAILS AND CHAIN GATE	H
1	1001179441	1	Rail Kit Less Hardware (Not Shown - Includes Items 2-11)	H
2	1001179400	1	Rail, Bottom Rear RH	
3	1001179402	1	Rail, Bottom Front	
4	1001179409	1	Rail, Top Front	
5	1001179410	1	Rail, Top RH	
6	1001179411	1	Rail, Top RH Slide	
7	1001179414	1	Rail, Top LH Slide	
8	1001179415	1	Plate, Placard	
9	1001179417	1	Tube, Drywall Gate	
10	1001179437	1	Rail, Top LH	
11	1001179442	1	Rail, Bottom Rear LH	
12	0701019	2	Bolt M10 x 55	
13	1001187585	2	Lanyard	
14	2080040	8	Fastener, Huck	
15	3290606	9	Nut M6	
16	3291006	2	Nut M10 Grade 8	
17	1001187587	2	Pin, Snap	
18	3423278	2	Pin, Snap	
19	3340612	3 ft /91cm	Pad, Rail	
21	3860111	2	Roller	
22	4010617	6	Screw M6 x 45	
22	4010618	6	Screw M6 x 50	
23	4010618	2	Screw M6 x 50	
24	4420037	1	Tape, Insulation	
25	1001189762	AR	Tape	
26	4812000	4	Washer M10	
27	4010616	1	Screw M6 x 40	

SECTION 4 - PLATFORM

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



ART_1001212877

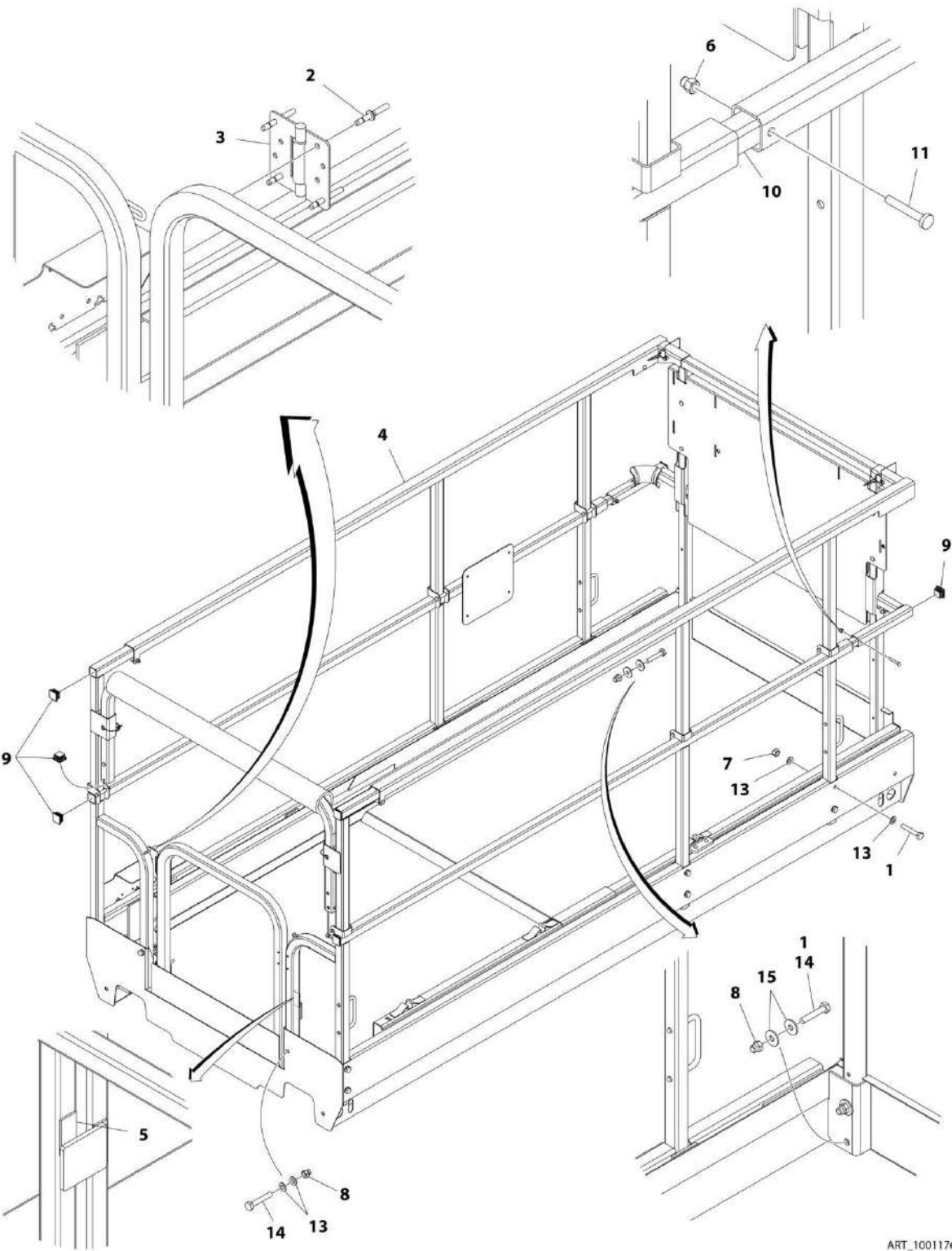
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212877	Ref	RAIL KIT - WITH INSIDE EXTENSION RAILS, HANDLE AND CHAIN GATE	A
1	0701019	2	Bolt M10 x 55	
2	1380132	2	Clip, Gripper	
3	2560088	2	Handle	
4	2560190	2	Handle, Platform	
5	3290606	9	Nut M6	
6	3290806	2	Nut M8	
7	3291006	2	Nut M10 Grade 8	
8	3423278	2	Pin, Snap	
9	3820019	2	Rivet	
10	3860111	2	Roller	
11	3900345	2	Screw	
12	4010616	1	Screw M6 x 40	
13	4010618	8	Screw M6 x 50	
14	4812000	4	Washer M10	
15	1001187585	2	Pin, Snap	
16	1001187587	2	Pin, Snap	
17	1001189762	AR	Tape	
18	1001212874	1	Rail Kit (See Items 101-110 for Breakdown)	
19	2080040	8	Fastener, Huck	
20	3340612	3 ft/91cm	Pad, Rail	
21	4420037	1	Tape, Insulation	
	1001212874	Ref	RAIL KIT	C
101	1001179400	1	Rail, Bottom Rear RH	
102	1001179402	1	Rail, Bottom Front	
103	1001179409	1	Rail, Top Front	
104	1001179410	1	Rail, Top RH	
105	1001179415	1	Plate, Placard	
106	1001179417	1	Tube, Drywall Gate	
107	1001179437	1	Rail, Top LH	
108	1001179442	1	Rail, Bottom Rear LH	
109	1001212875	1	Rail, Top LH Slide	
110	1001212876	1	Rail, Top RH Slide	

SECTION 4 - PLATFORM

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



ART_1001176739

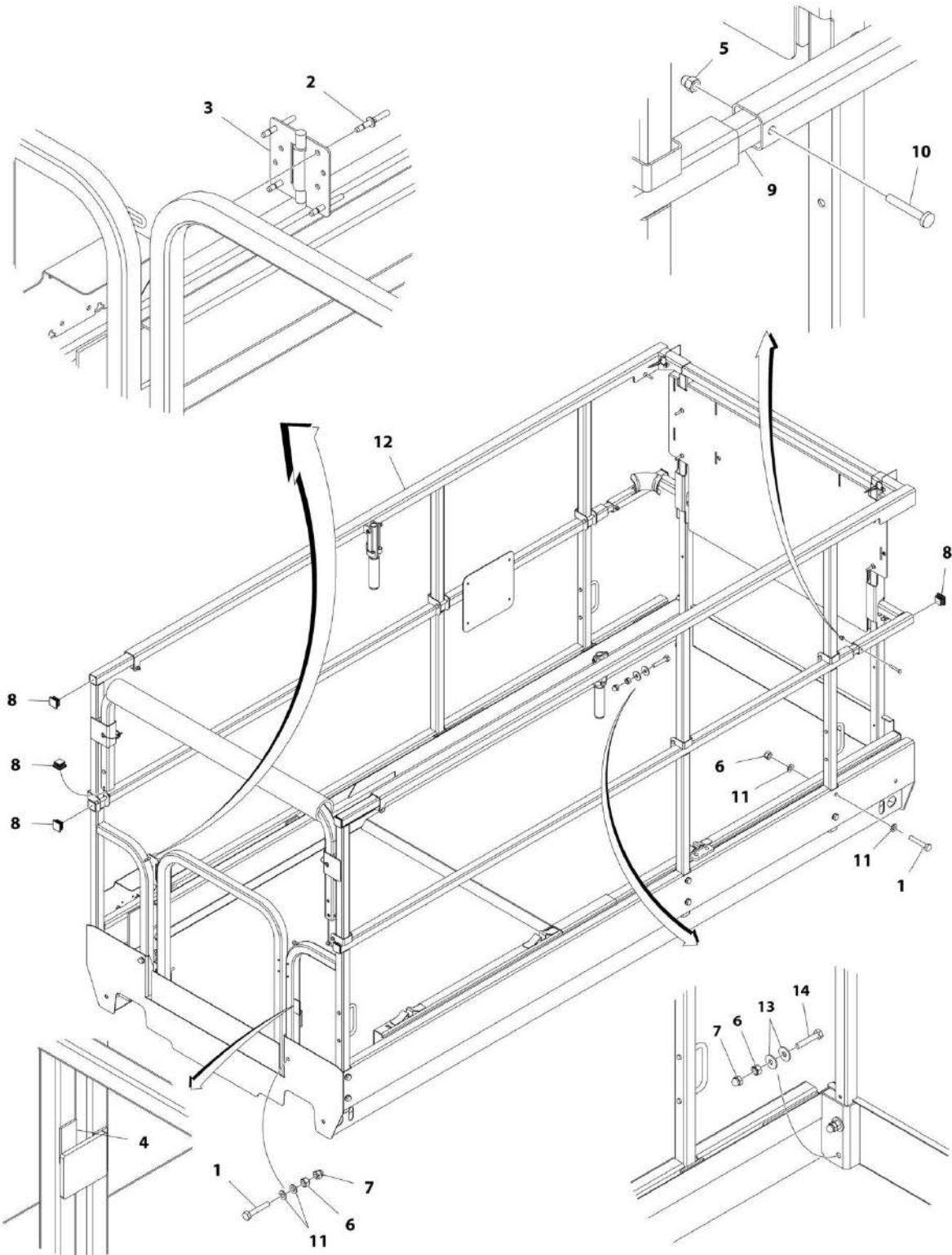
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176739	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE	F
1	0701019	AR	Bolt M10 x 55	
2	2080040	8	Fastener, Huck	
3	2600281	2	Hinge	
4	1001179420	1	Rail Kit - With Inside Extension Rails and Self Closing Gate (See RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE for Breakdown)	
5	3080007	1	Magnet	
6	3290606	2	Nut M6	
7	3291005	AR	Nut M10	
8	3300477	6	Nut	
8	3291006	6	Nut M10	
9	3520072	6	Plug	
10	3841716	2	Rod, Fiberglass	
11	4010616	2	Screw M6 x 40	
13	4812000	AR	Washer M10	
14	0701019	6	Bolt M10 x 55	
14	0701018	6	Bolt M10 x 50	
15	4812000	8	Washer M10	
15	4812002	8	Washer M10	

SECTION 4 - PLATFORM

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



ART_1001212702

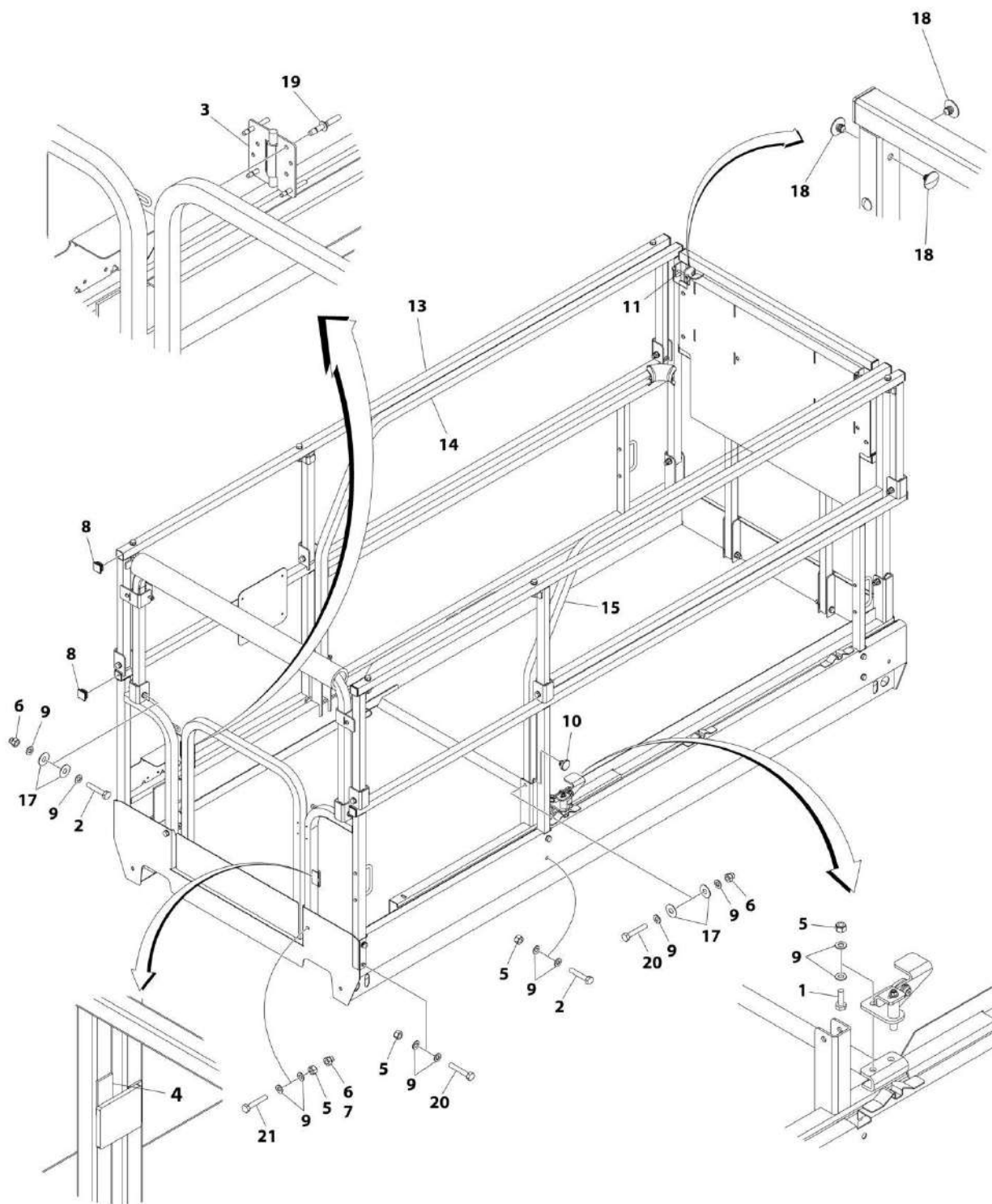
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212702	Ref	RAILS INSTALLATION - WITH INSIDE EXTENSION RAILS, HANDLE AND SELF CLOSING GATE	B
1	0701019	AR	Bolt M10 x 55	
2	2080040	8	Fastener, Huck	
3	2600281	2	Hinge	
4	3080007	1	Magnet	
5	3290606	2	Nut M6	
6	3291005	18	Nut M10	
7	3300477	6	Nut	
8	3520072	6	Plug	
9	3841716	2	Rod, Fiberglass	
10	4010616	2	Screw M6 x 40	
11	4812000	AR	Washer M10	
12	1001212873	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)	
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 4-16. RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE



ART_1001209251

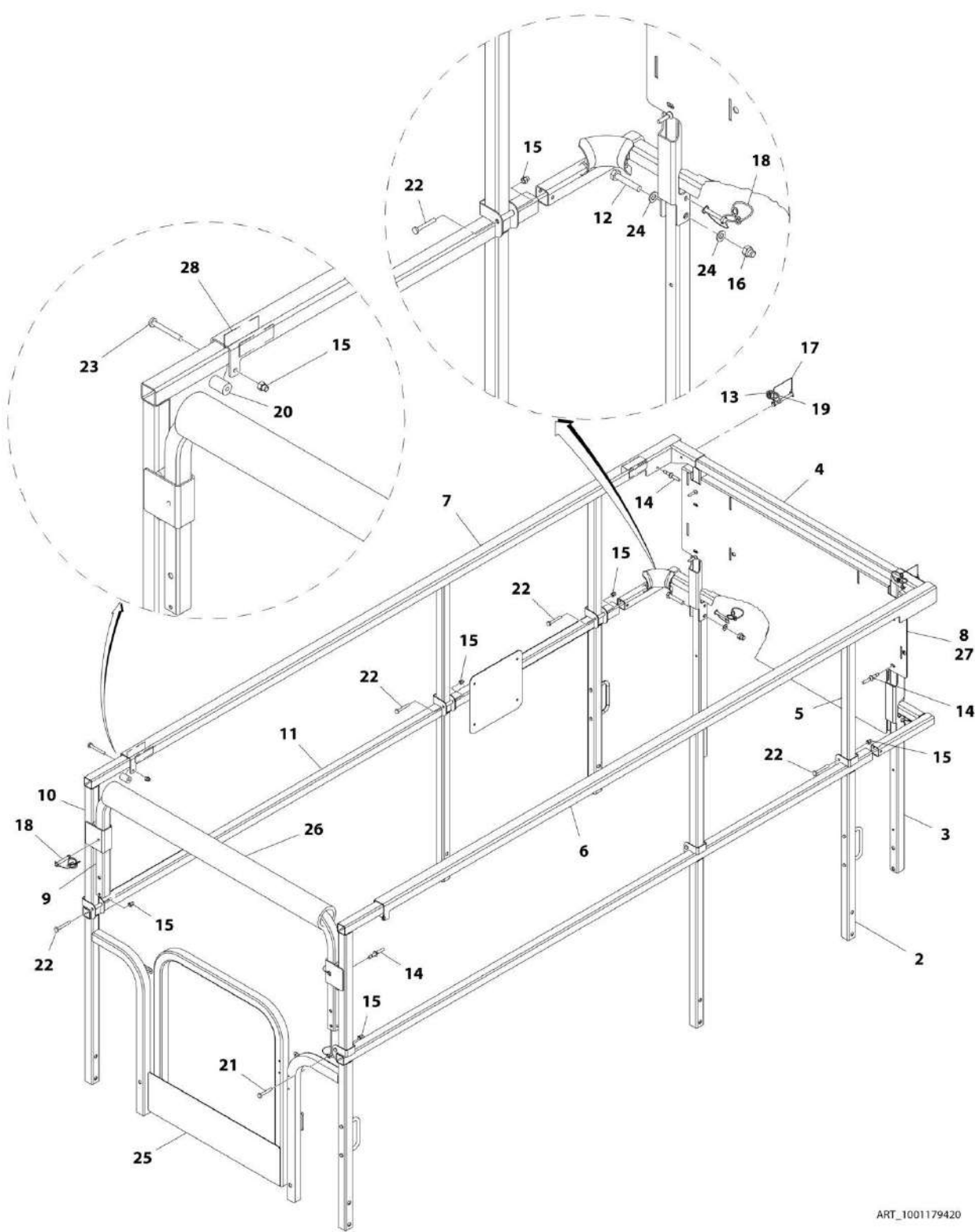
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209251	Ref	RAILS INSTALLATION - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE	D
1	0701014	4	Bolt M10 x 30	
2	0701019	4	Bolt M10 x 55	
3	2600281	2	Hinge	
4	3080007	1	Magnet	
5	3291005	AR	Nut M10	
6	3291006	AR	Nut M10	
7	3300477	2	Nut	
7	3291006	2	Nut M10	
8	3520072	14	Plug	
9	4812000	44	Washer M10	
10	1001137675	4	Bumper	
11	1001187587	2	Pin, Snap	
13	1001209253	1	Rail Kit - With Outside Extension Rails and Self Closing Gate (See RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE for Breakdown) (SN 0200239382 through 0200264570, SN 1200025023 through 1200030201, SN B200020297 through B200041196)	
13	1001218388	1	Rail Kit - With Outside Extension Rails and Self Closing Gate (See RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE for Breakdown) (SN 0200264571 to Present, SN 1200030202 to Present, SN B200041197 to Present)	
14	1001209254	1	Rail, Left	
15	1001209255	1	Rail, Right	
17	1001211895	28	Plate, Washer	
18	1001211896	12	Bumper	
19	2080040	10	Fastener, Huck	
20	0701020	AR	Bolt M10 x 60	
21	0701020	2	Bolt M10 x 60	
21	0701018	2	Bolt M10 x 50	

SECTION 4 - PLATFORM

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



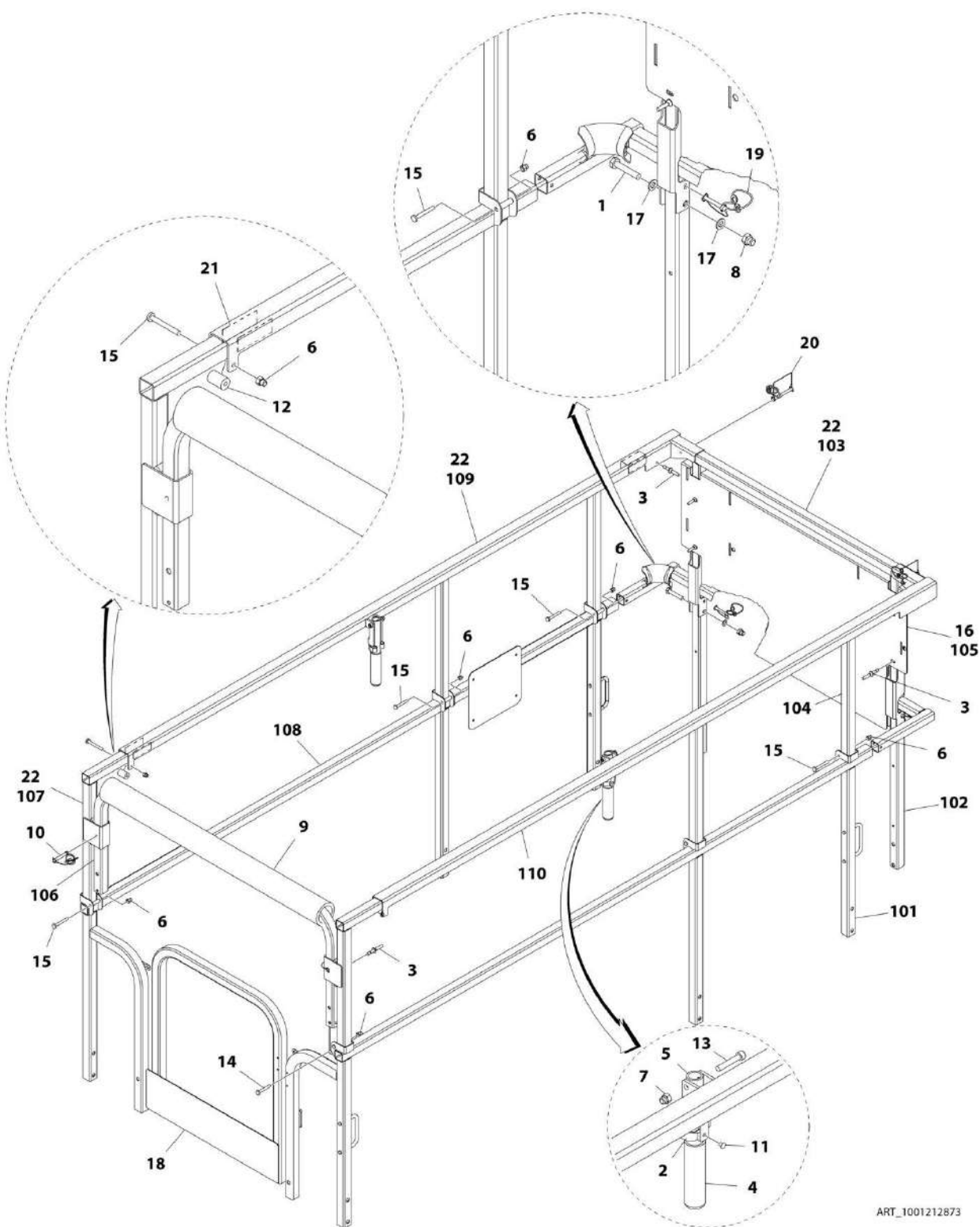
SECTION 4 - PLATFORM

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179420	Ref	RAIL KIT - WITH INSIDE EXTENSION RAILS AND SELF CLOSING GATE	H
1	1001179441	1	Rail Kit Less Hardware (Not Shown - Includes Items 2-11)	H
2	1001179400	1	Rail, Right Bottom	
3	1001179402	1	Rail, Mid Bottom	
4	1001179409	1	Rail, Mid Top	
5	1001179410	1	Rail, Right Top	
6	1001179411	1	Rail, Top RH	
7	1001179414	1	Rail, Top LH	
8	1001179415	1	Plate, Placard	
9	1001179417	1	Tube, Drywall Gate	
10	1001179437	1	Rail, Left Top	
11	1001179442	1	Rail, Left Bottom	
12	0701019	2	Bolt M10 x 55	
13	1001187585	2	Lanyard	
14	2080040	8	Fastener, Huck	
15	3290606	9	Nut M6	
16	3291006	2	Nut M10 Grade 8	
17	1001187587	2	Pin, Snap	
18	3423278	2	Pin, Snap	
19	3760170	2	Ring	
20	3860111	2	Roller	
21	4010616	1	Screw M6 x 40	
22	4010617	6	Screw M6 x 45	
22	4010618	6	Screw M6 x 50	
23	4010618	2	Screw M6 x 50	
24	4812000	4	Washer M10	
25	4846723	1	Gate	
26	3340612	36 in /91cm	Pad, Black Nylon Cover	
27	4420037	1	Tape, Insulation	
28	1001189762	AR	Tape	

SECTION 4 - PLATFORM

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



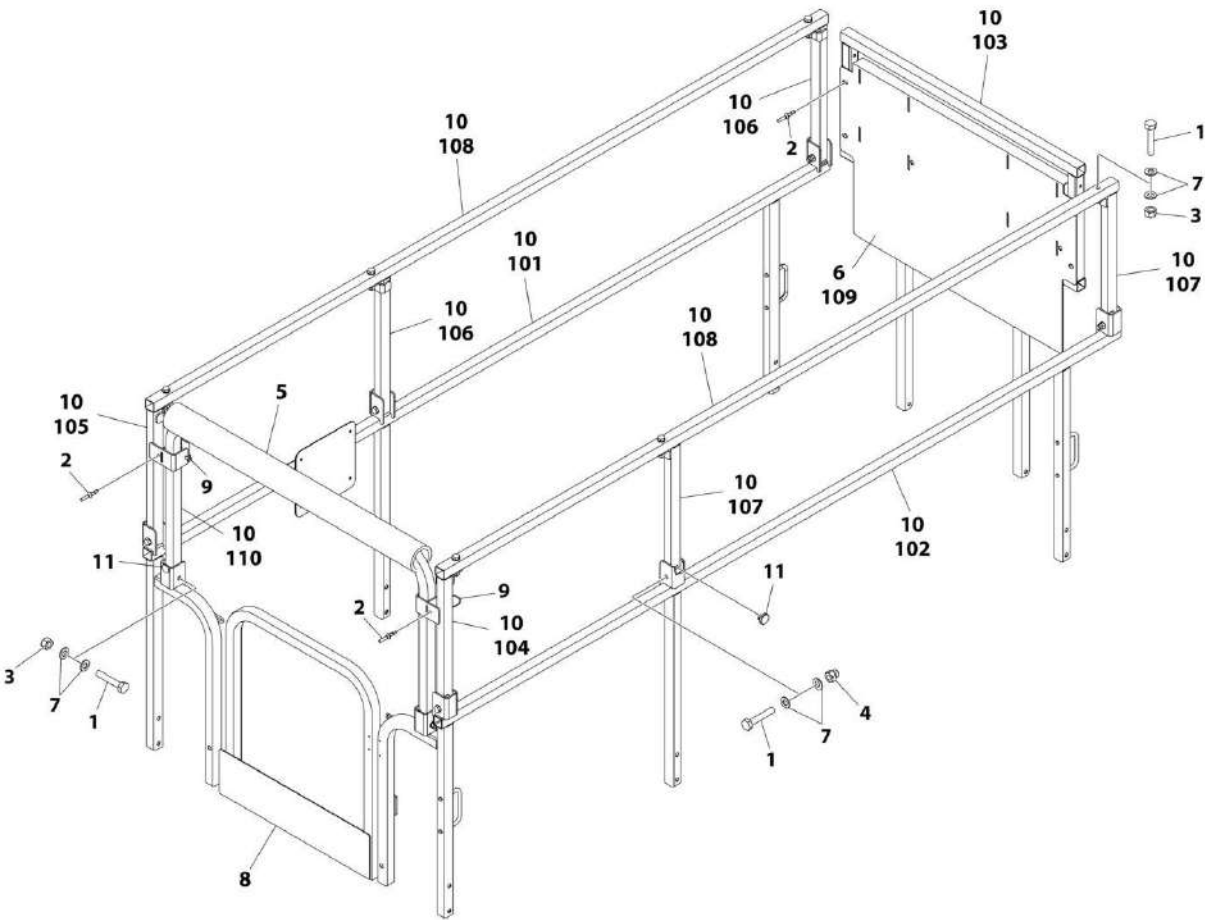
SECTION 4 - PLATFORM

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

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

SECTION 4 - PLATFORM

FIGURE 4-19. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE (SN 0200239382 through 0200264570, SN 1200025023 through 1200030201, SN B200020297 through B200041196)



ART_1001209253

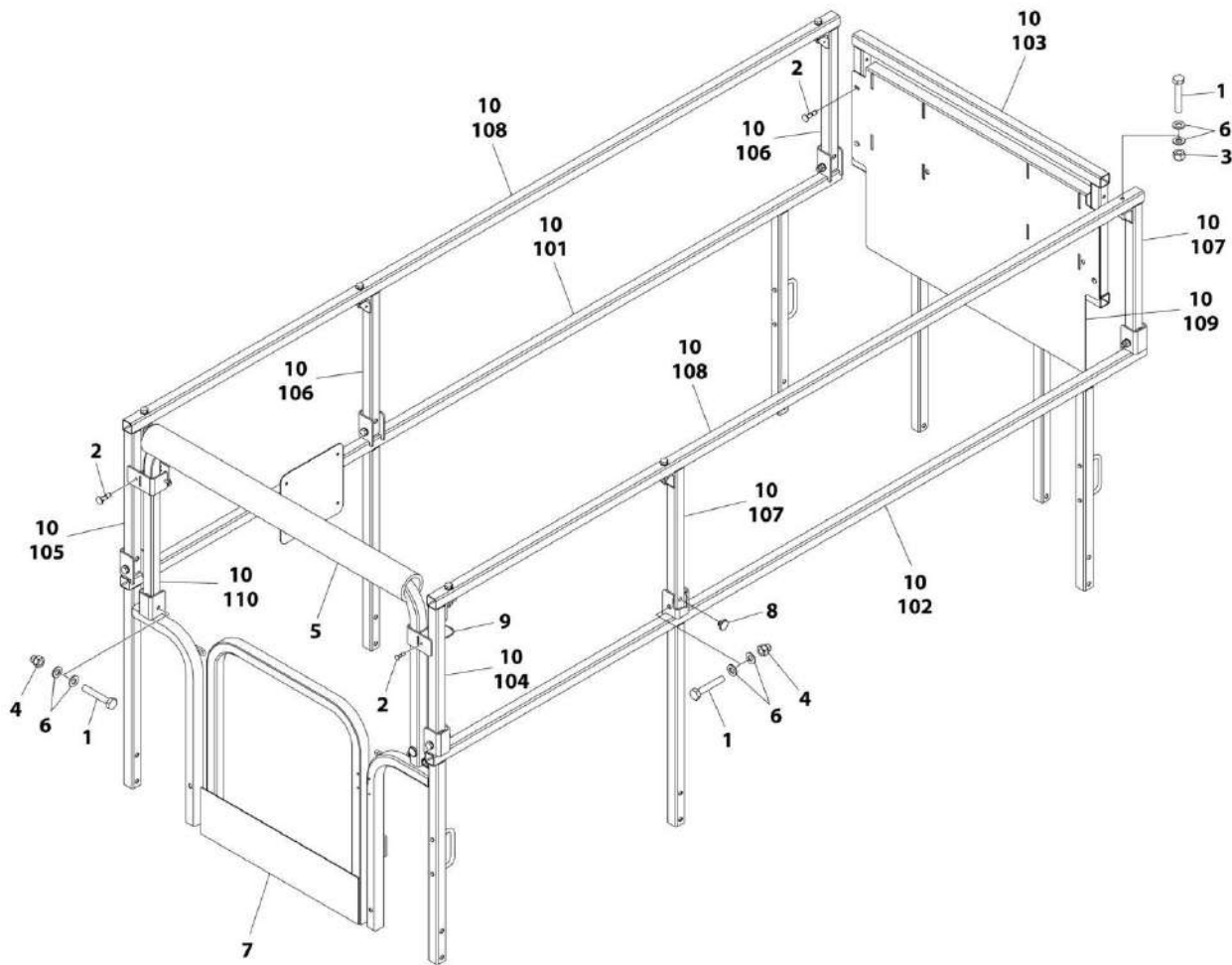
SECTION 4 - PLATFORM

FIGURE 4-19. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE (SN 0200239382 through 0200264570, SN 1200025023 through 1200030201, SN B200020297 through B200041196)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209253	Ref	RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE (SN 0200239382 through 0200264570, SN 1200025023 through 1200030201, SN B200020297 through B200041196)	B
1	0701019	14	Bolt M10 x 55	
2	2080040	6	Fastener, Huck	
3	3291005	6	Nut M10	
4	3291006	8	Nut M10	
5	3340612	3 ft/0.9m	Pad, Cover	
6	4420037	1	Tape, Insulation	
7	4812000	28	Washer M10	
8	4846723	1	Gate	
9	1001187587	2	Pin, Snap	
10	1001209265	1	Rail Kit (See Items 101-110 for Breakdown)	
11	1001137675	8	Bumper	
	1001209265	Ref	RAIL KIT	C
101	1001209266	1	Rail, Left Bottom	
102	1001209267	1	Rail, Right Bottom	
103	1001209269	1	Rail, Mid Top	
104	1001209270	1	Rail, Right Entrance	
105	1001209271	1	Rail, Left Entrance	
106	1001209272	2	Rail, Support	
107	1001209273	2	Rail, Support	
108	1001209274	2	Rail, Top	
109	1001209275	1	Plate, Placard	
110	1001210378	1	Tube, Drywall Gate	

SECTION 4 - PLATFORM

FIGURE 4-20. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE (SN 0200264571 to Present, SN 1200030202 to Present, SN B200041197 to Present)



ART_1001218388

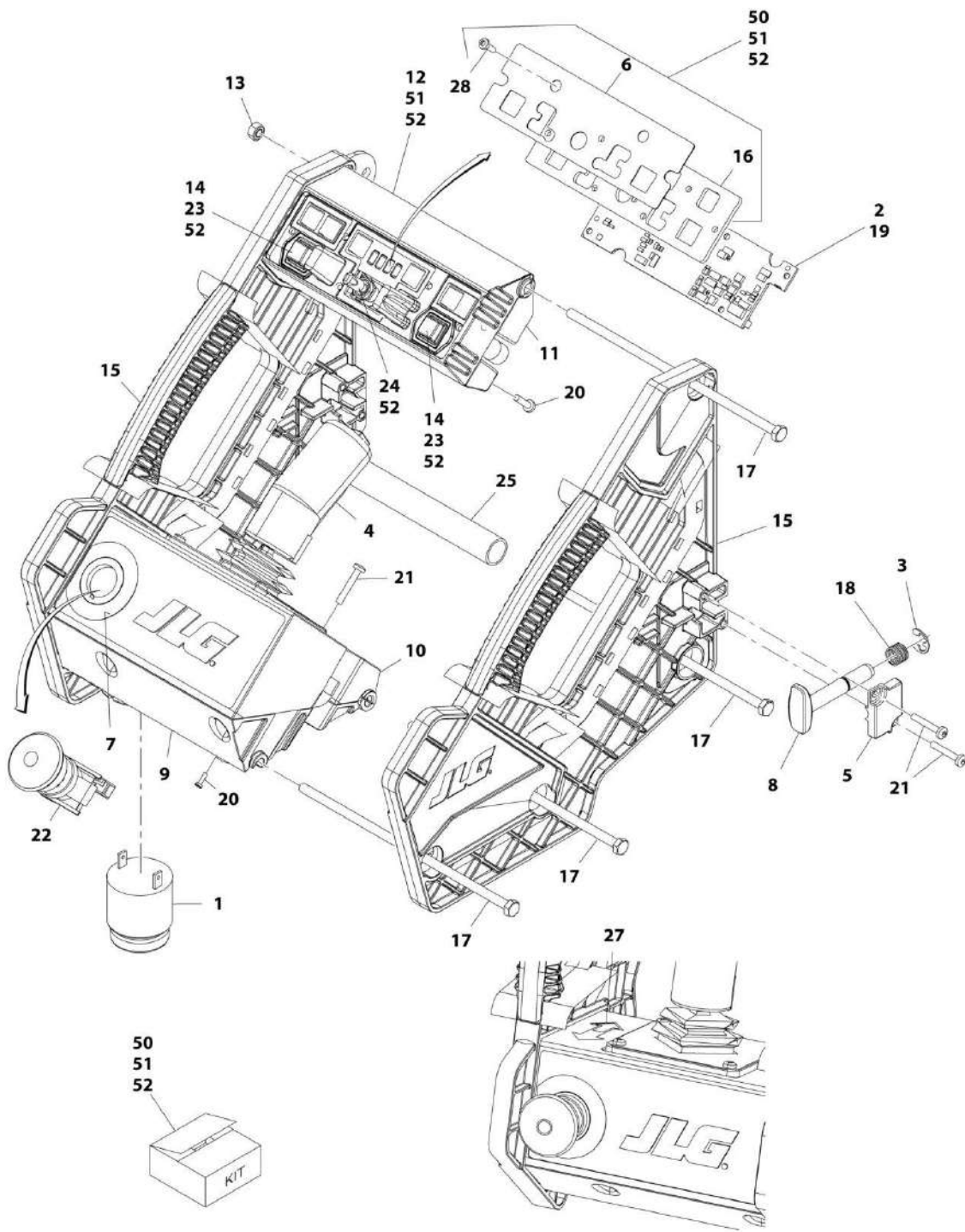
SECTION 4 - PLATFORM

FIGURE 4-20. RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE (SN 0200264571 to Present, SN 1200030202 to Present, SN B200041197 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001218388	Ref	RAIL KIT - WITH OUTSIDE EXTENSION RAILS AND SELF CLOSING GATE (SN 0200264571 to Present, SN 1200030202 to Present, SN B200041197 to Present)	B
1	0701020	14	Bolt M10 x 60	
2	2080040	6	Fastener, Huck	
3	3291005	6	Nut M10	
4	3291006	8	Nut M10	
5	3340612	3 ft/0.9m	Pad, Cover	
6	4812000	28	Washer M10	
7	4846723	1	Gate	
8	1001137675	8	Bumper	
9	1001187587	2	Pin, Snap	
10	1001209265	1	Rail Kit (See Items 101-110 for Breakdown)	
	1001209265	Ref	RAIL KIT	C
101	1001209266	1	Rail, Left Bottom	
102	1001209267	1	Rail, Right Bottom	
103	1001209269	1	Rail, Mid Top	
104	1001209270	1	Rail, Right Entrance	
105	1001209271	1	Rail, Left Entrance	
106	1001209272	2	Rail, Support	
107	1001209273	2	Rail, Support	
108	1001209274	2	Rail, Top	
109	1001209275	1	Plate, Placard	
110	1001210378	1	Tube, Drywall Gate	

SECTION 4 - PLATFORM

FIGURE 4-21. PLATFORM CONSOLE ASSEMBLY



ART_1001091153

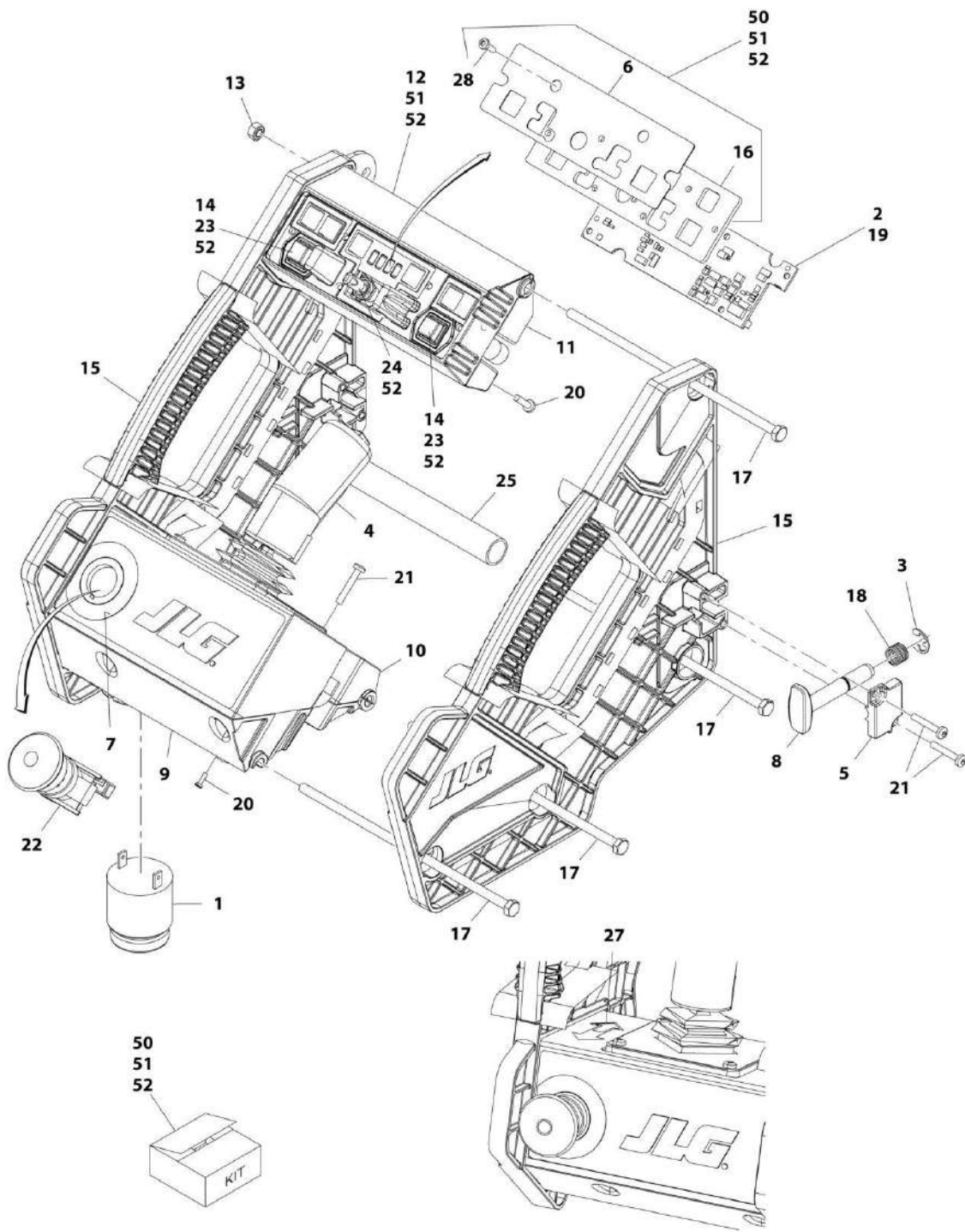
SECTION 4 - PLATFORM

FIGURE 4-21. 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 (SN B200020297 through B200028887)	
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) (SN 1200030202 to Present, SN B200051211 to Present, SN M200023870 to Present)	
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 4-22. PLATFORM CONSOLE ASSEMBLY



ART_1001091154

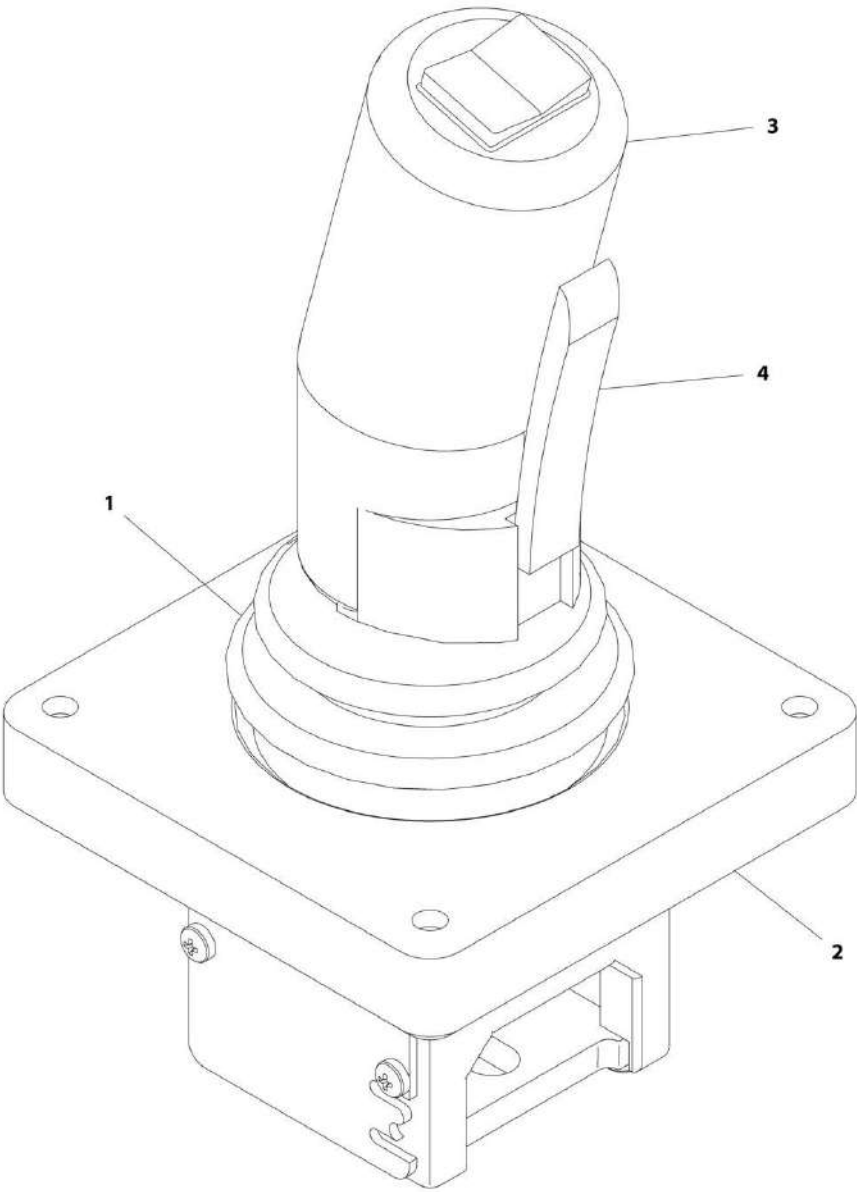
SECTION 4 - PLATFORM

FIGURE 4-22. 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 (SN B200028888 to Present)	
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) (SN 1200030202 to Present, SN B200051211 to Present, SN M200023870 to Present)	
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 4-23. DRIVE/STEER CONTROLLER ASSEMBLY



ART_1600402

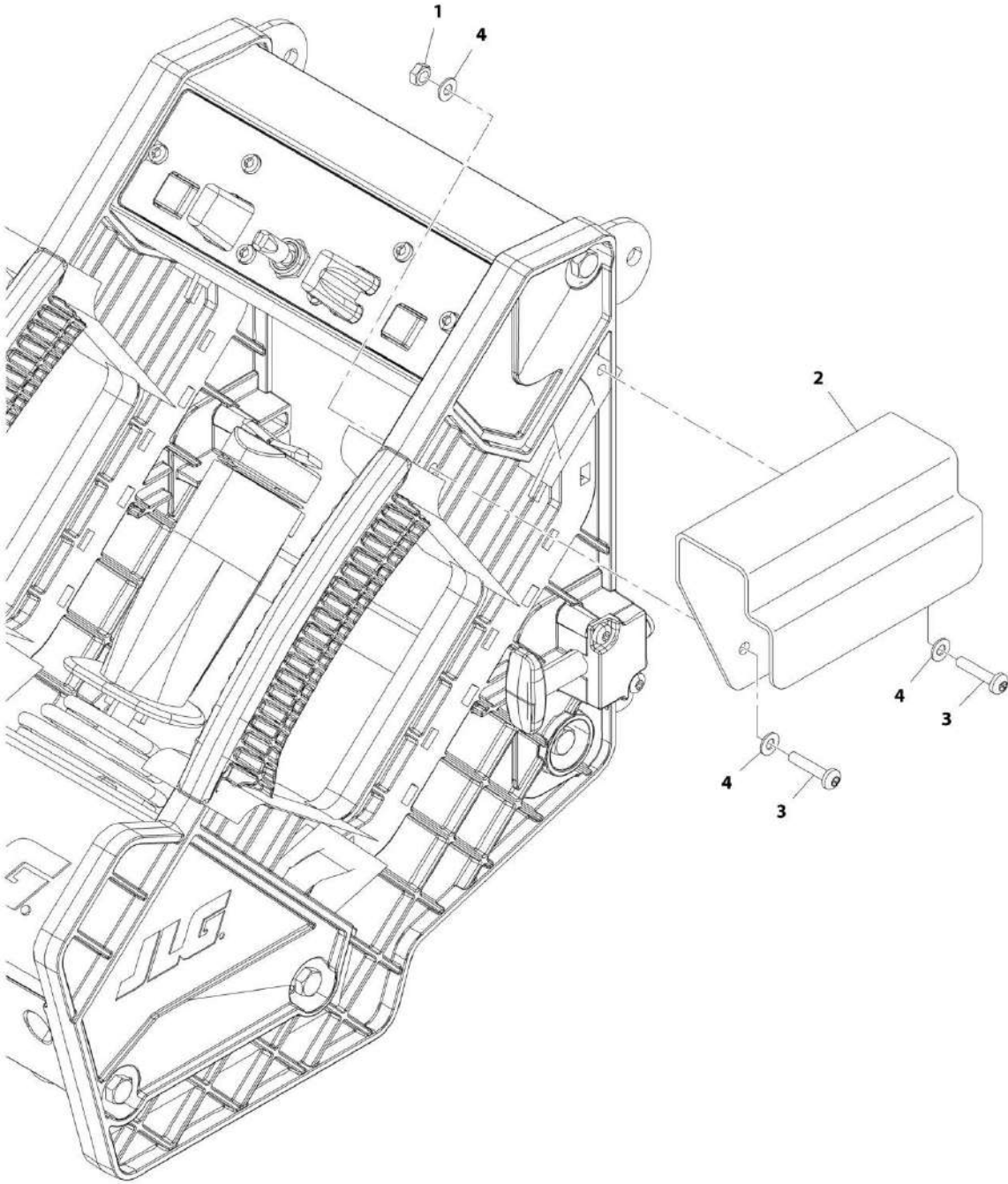
SECTION 4 - PLATFORM

FIGURE 4-23. 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 4-24. PLATFORM CONSOLE HANGER INSTALLATION (OPTIONAL)



ART_0274386

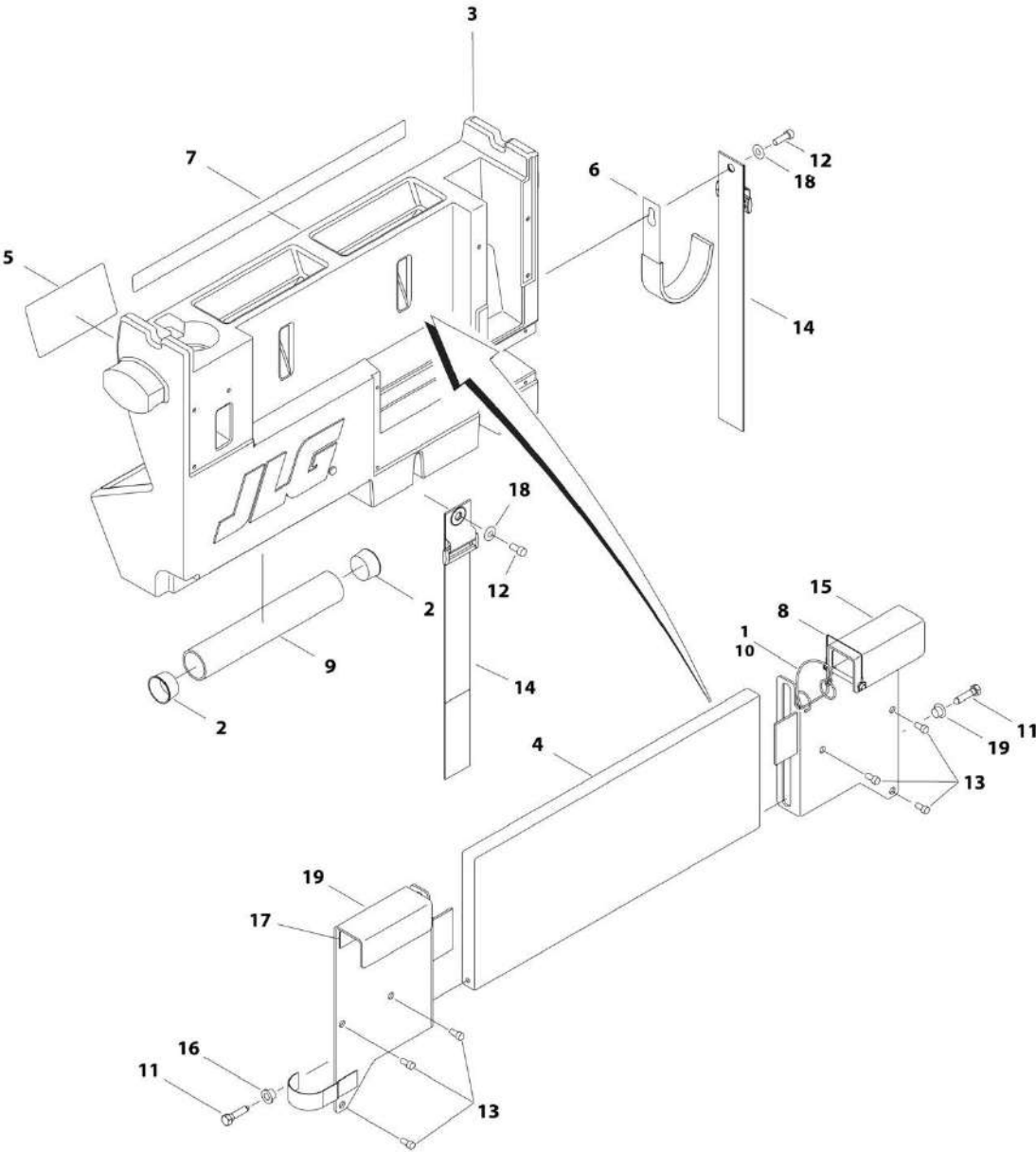
SECTION 4 - PLATFORM

FIGURE 4-24. PLATFORM CONSOLE HANGER INSTALLATION (OPTIONAL)

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

SECTION 4 - PLATFORM

FIGURE 4-25. WORKSTATION WITHOUT DC CONVERTER INSTALLATION



ART_0240087

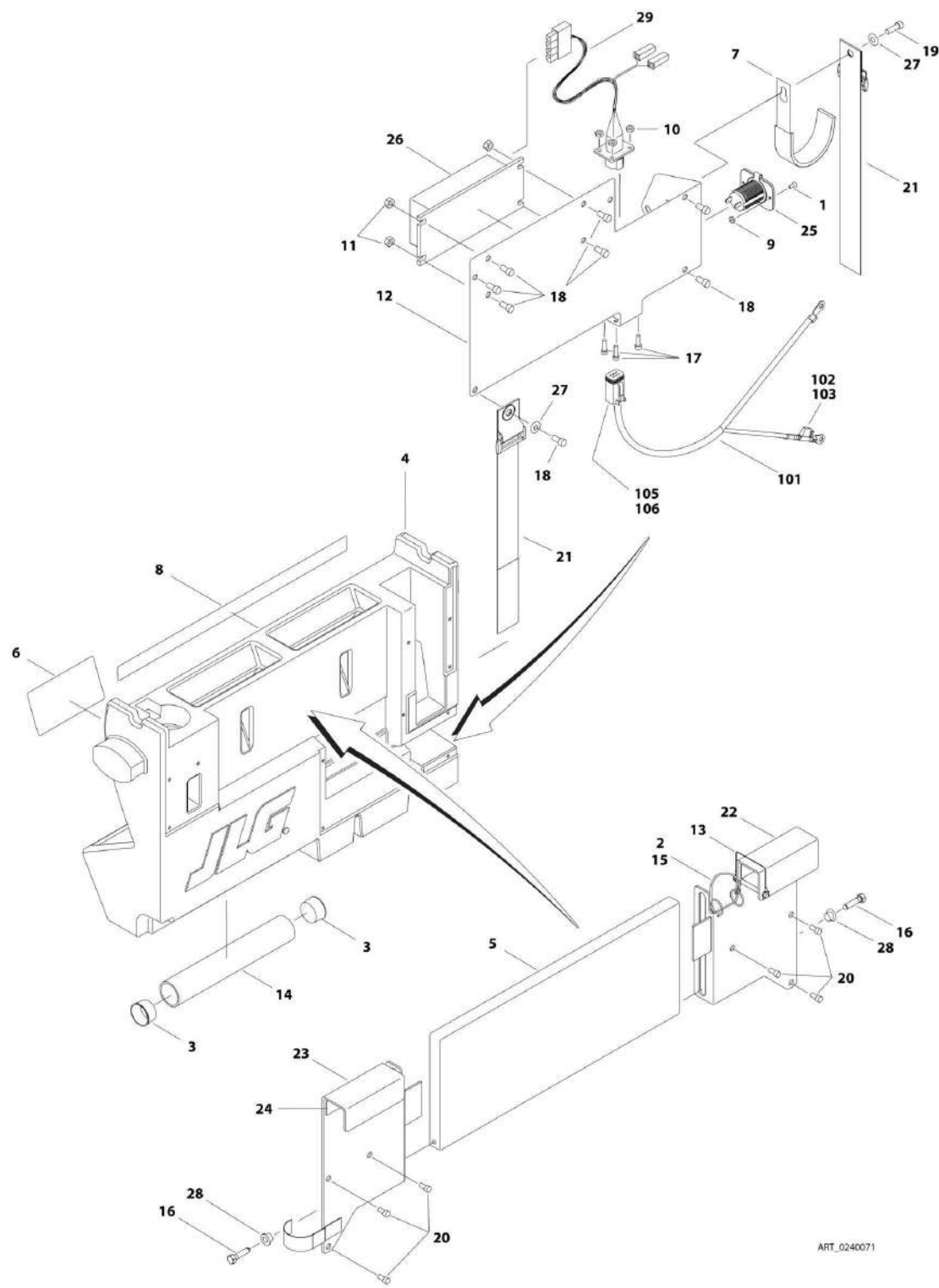
SECTION 4 - PLATFORM

FIGURE 4-25. 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 4-26. WORKSTATION WITH DC CONVERTER INSTALLATION



ART_0240071

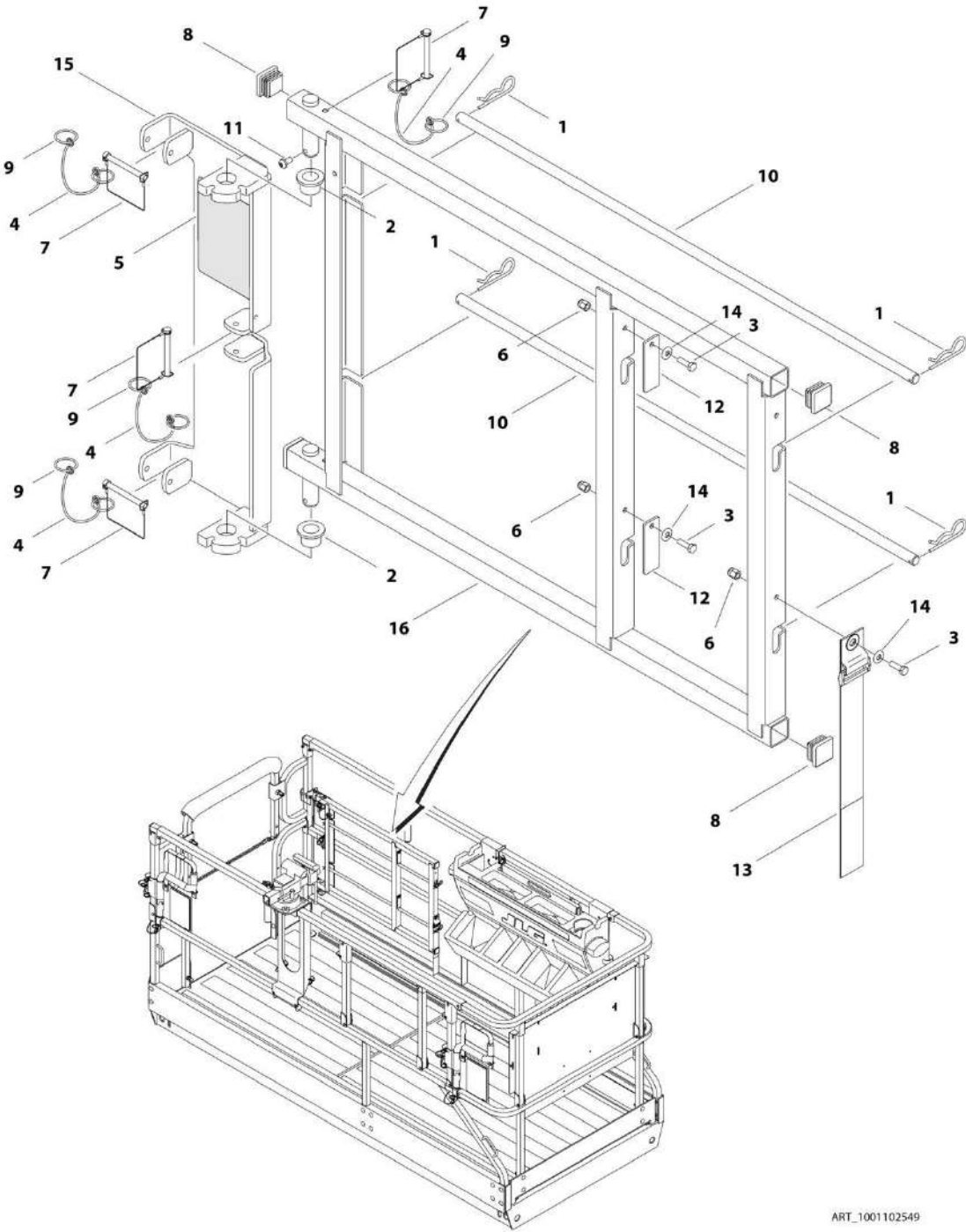
SECTION 4 - PLATFORM

FIGURE 4-26. WORKSTATION WITH DC CONVERTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273956	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)	
	4923115	1	WORKSTATION POWER CABLE INSTALLATIONS	B
101	1060331	70 ft /21.3m	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 4-27. ELECTRICIAN'S TREE INSTALLATION



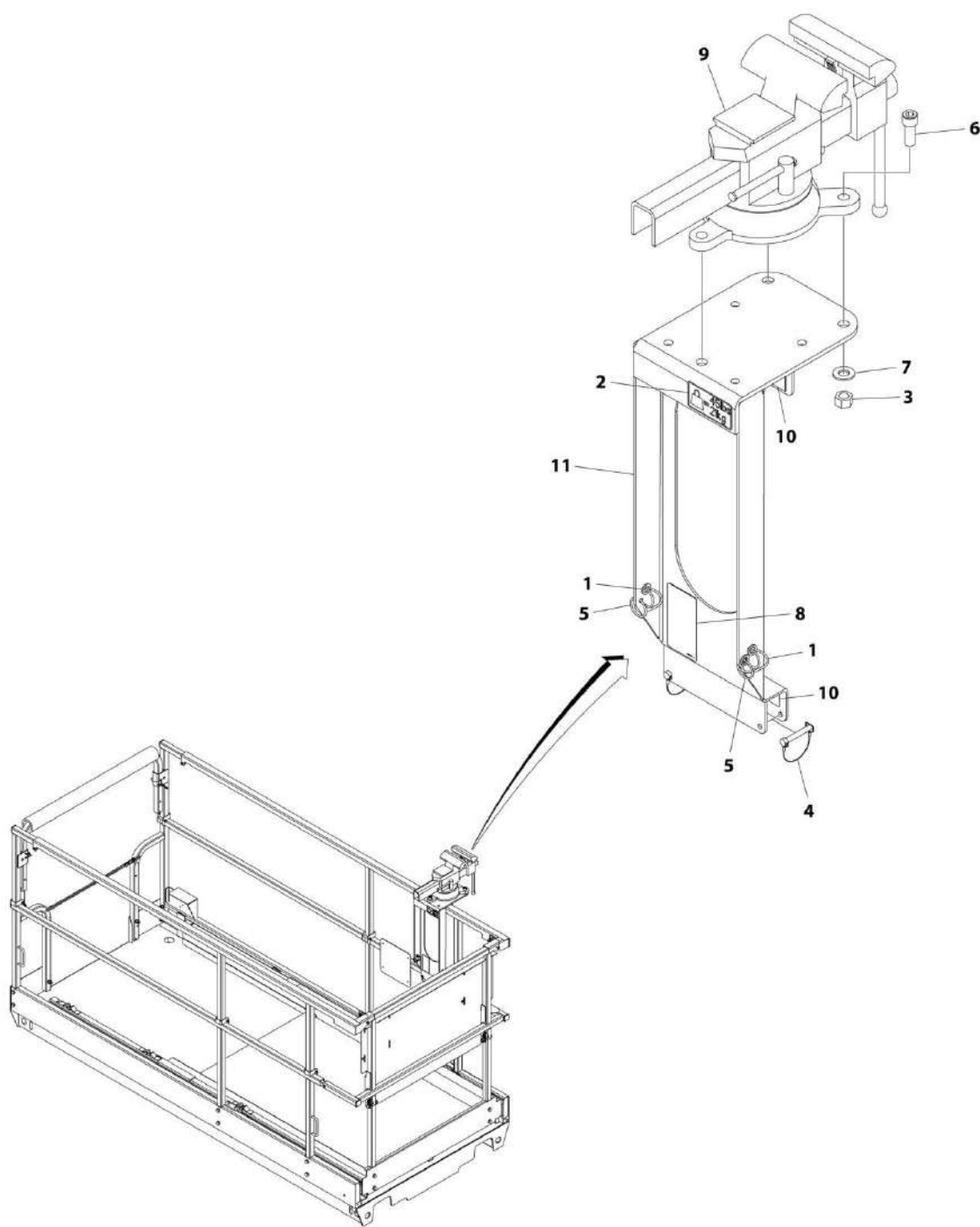
SECTION 4 - PLATFORM

FIGURE 4-27. ELECTRICIAN'S TREE INSTALLATION

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

SECTION 4 - PLATFORM

FIGURE 4-28. VISE INSTALLATION (ELECTRICAL, PLUMBERS AND PLANT PACKAGE)



ART_1001190138

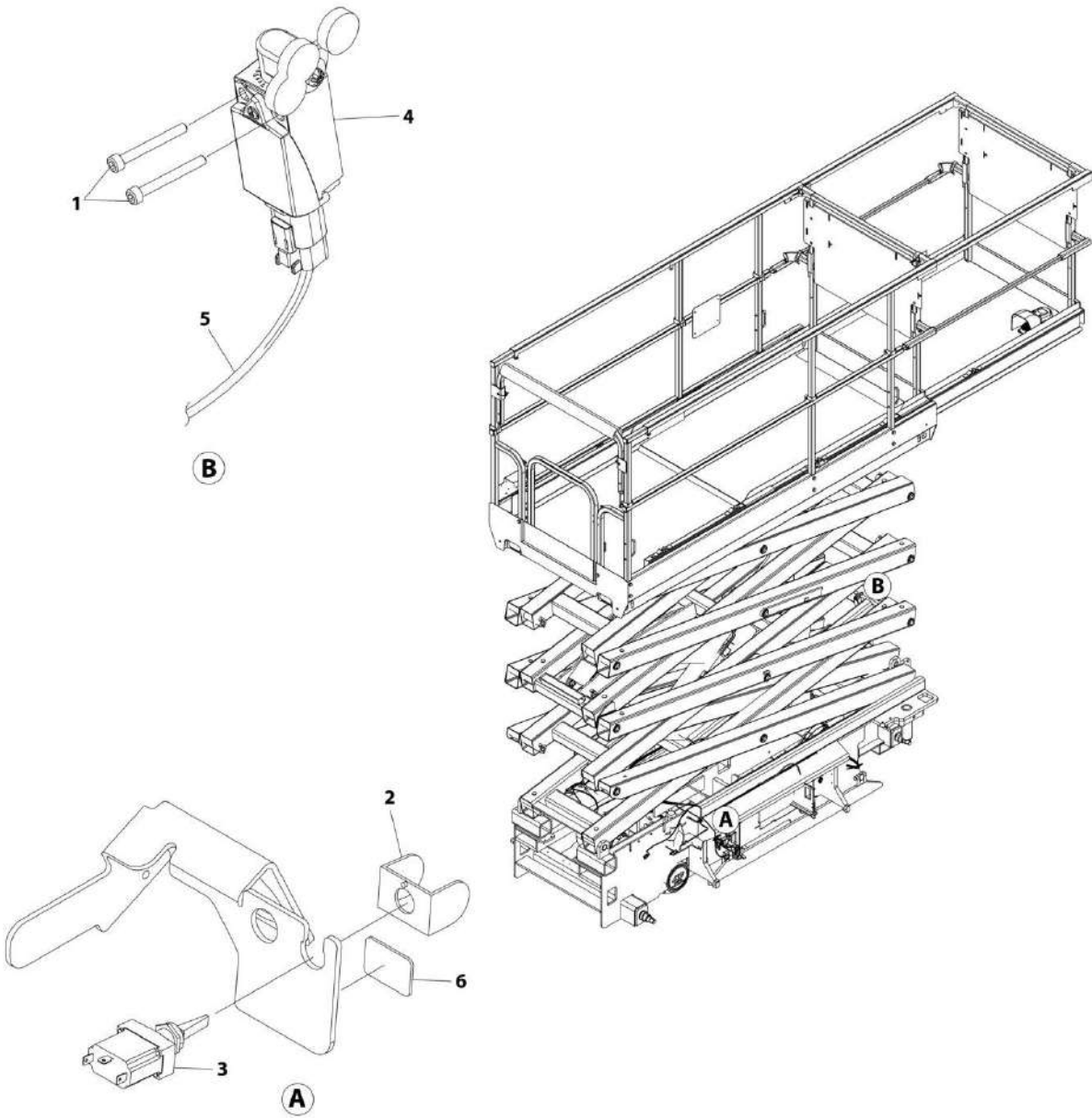
SECTION 4 - PLATFORM

FIGURE 4-28. VISE INSTALLATION (ELECTRICAL, PLUMBERS AND PLANT PACKAGE)

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

SECTION 4 - PLATFORM

FIGURE 4-29. LOW HEIGHT DRIVE CUTOUT (JAPANESE SPECS ONLY)



ART_1001230756

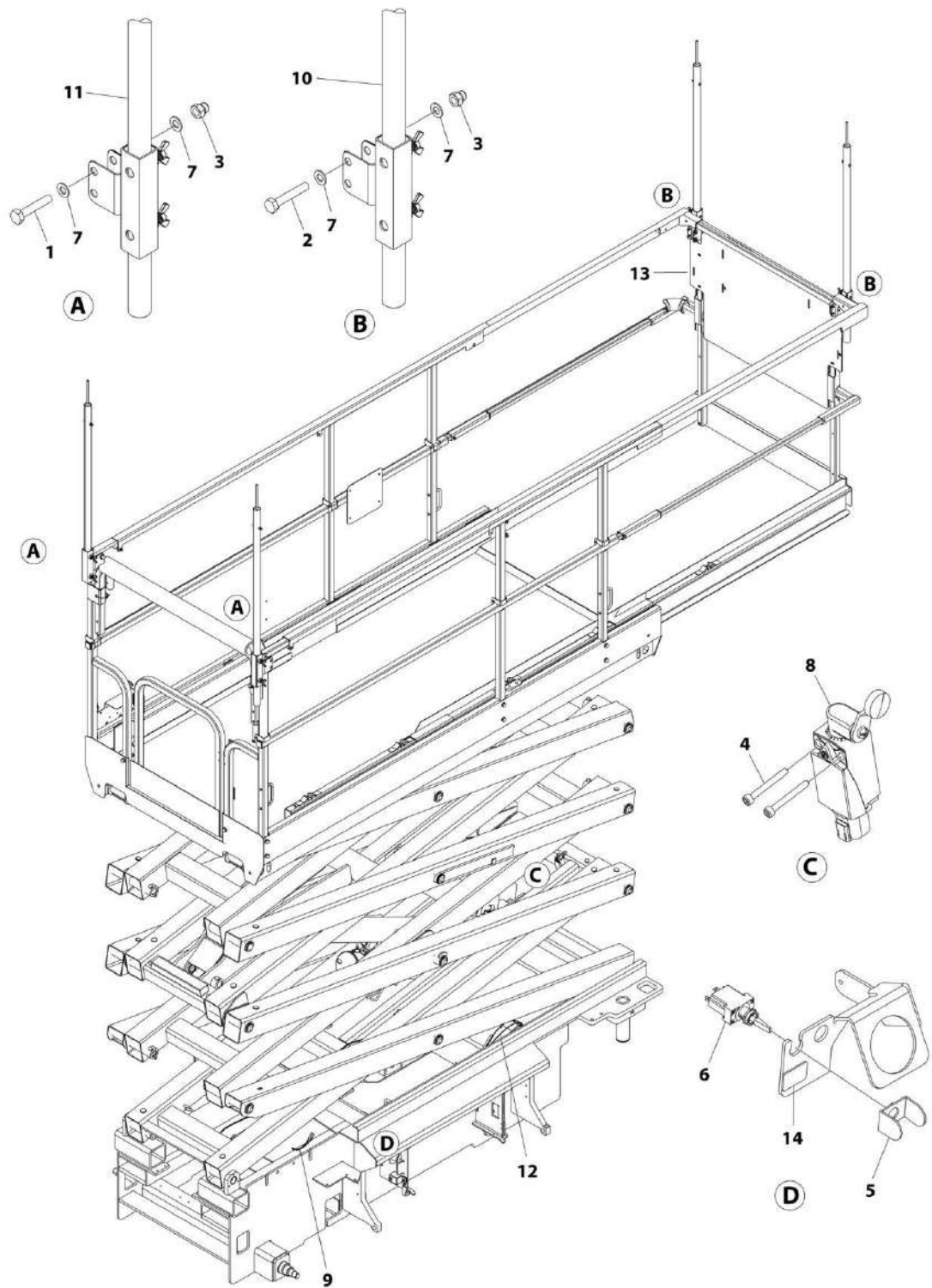
SECTION 4 - PLATFORM

FIGURE 4-29. LOW HEIGHT DRIVE CUTOUT (JAPANESE SPECS ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230756	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	1001214339	1	Harness, Low Height	
5	4460884	3	Connector - 4 Position	
5	4460465	6	Socket, Female	
5	4460466	6	Seal	
5	4460932	2	Connector - 4 Position	
5	4460464	3	Pin, Male	
5	4460466	5	Seal	
5	4460418	1	Connector - 6 Position	
5	4460419	3	Terminal	
6	1001214409	1	Decal - Low Drive Cutout	

SECTION 4 - PLATFORM

FIGURE 4-30. OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY)



ART_1001214121

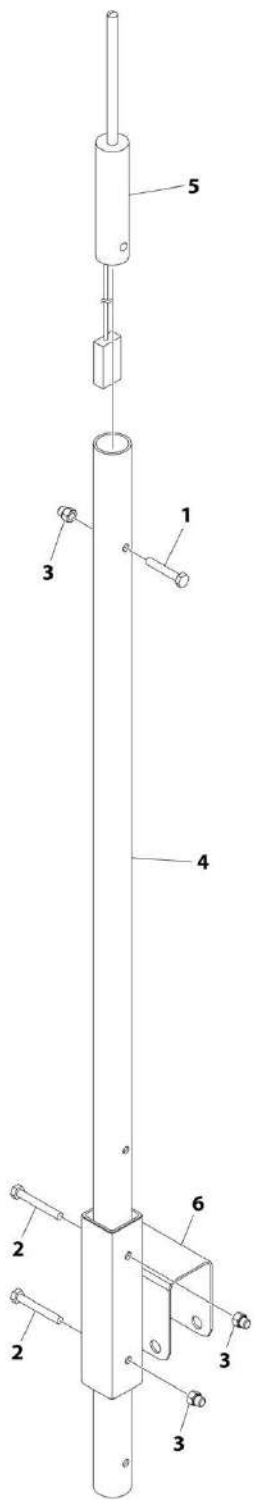
SECTION 4 - PLATFORM

FIGURE 4-30. OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214121	Ref	OVERHEAD PROTECTION AND LOW HEIGHT DRIVE CUTOUT (KOREA SPECS ONLY)	B
1	0701019	4	Bolt M10 x 55	
2	0701020	4	Bolt M10 x 60	
2	0701019	4	Bolt M10 x 55	
3	3291006	8	Nut M10	
4	4031511	2	Capscrew M4 x 35	
5	4060906	1	Guard, Switch	
6	4360345	1	Switch	
7	4812000	16	Washer #10	
8	1001130614	1	Switch, Limit	
9	1001213660	1	Harness, Overhead	
9	4460424	1	Connector, Female - 2 Position	
9	4460227	1	Pin, Male	
9	4460320	1	Plug, Male - 2 Position	
9	4460226	1	Socket, Female	
10	1001213818	2	Overhead Switch Kit (Front) (See OVERHEAD SWITCH KIT (FRONT) for Breakdown) (SN B200020297 through B200046829)	
10	1001214311	2	Overhead Switch Kit (Front) (See OVERHEAD SWITCH KIT (FRONT) for Breakdown) (SN B200046830 to Present)	
11	1001213858	2	Overhead Switch Kit (Rear) (See OVERHEAD SWITCH KIT (REAR) for Breakdown) (SN B200020297 through B200046829)	
11	1001214311	2	Overhead Switch Kit (Rear) (See OVERHEAD SWITCH KIT (REAR) for Breakdown) (SN B200046830 to Present)	
12	1001214339	1	Harness, Low Height	
12	4460884	3	Connector - 4 Position	
12	4460465	6	Socket, Female	
12	4460466	6	Seal	
12	4460932	2	Connector - 4 Position	
12	4460464	3	Pin, Male	
12	4460466	5	Seal	
12	4460418	1	Connector - 6 Position	
12	4460419	3	Terminal	
13	1001214342	1	Cable, Overhead Switches	
13	4460891	1	Connector - 2 Position	
13	4460465	8	Socket, Female	
14	1001214409	1	Decal - Low Drive Cutout	

SECTION 4 - PLATFORM

FIGURE 4-31. OVERHEAD SWITCH KIT (FRONT) (SN B200020297 through B200046829)



ART_1001213818

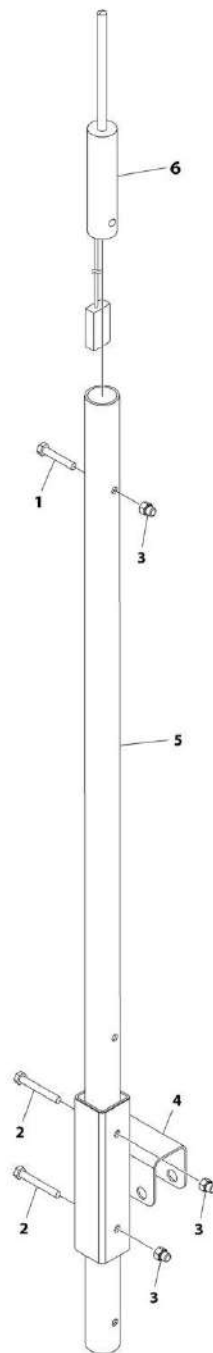
SECTION 4 - PLATFORM

FIGURE 4-31. OVERHEAD SWITCH KIT (FRONT) (SN B200020297 through B200046829)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213818	Ref	OVERHEAD SWITCH KIT (FRONT) (SN B200020297 through B200046829)	A
1	0700615	1	Bolt M6 x 35	
2	0710617	2	Bolt M6 x 45	
3	3290606	3	Nut M6	
4	1001213821	1	Tube	
5	1001213822	1	Switch	
5	7028909	1	Connector - 2 Position	
5	77363228	2	Terminal	
6	1001213857	1	Bracket	

SECTION 4 - PLATFORM

FIGURE 4-32. OVERHEAD SWITCH KIT (REAR) (SN B200020297 through B200046829)



ART_1001213858

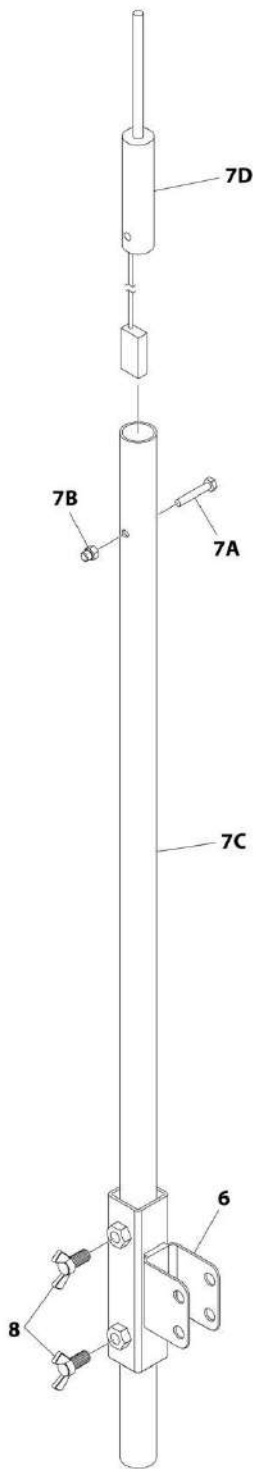
SECTION 4 - PLATFORM

FIGURE 4-32. OVERHEAD SWITCH KIT (REAR) (SN B200020297 through B200046829)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213858	Ref	OVERHEAD SWITCH KIT (REAR)	A
1	0700615	1	Bolt M6 x 35	
2	0710617	2	Bolt M6 x 45	
3	3290606	3	Nut M6	
4	1001213820	1	Bracket	
5	1001213821	1	Tube	
6	1001213822	1	Switch	
6	7028909	1	Connector - 2 Position	
6	77363228	2	Terminal	

SECTION 4 - PLATFORM

FIGURE 4-33. OVERHEAD SWITCH KIT (FRONT/REAR) (SN B200046830 to Present)



ART_1001214311

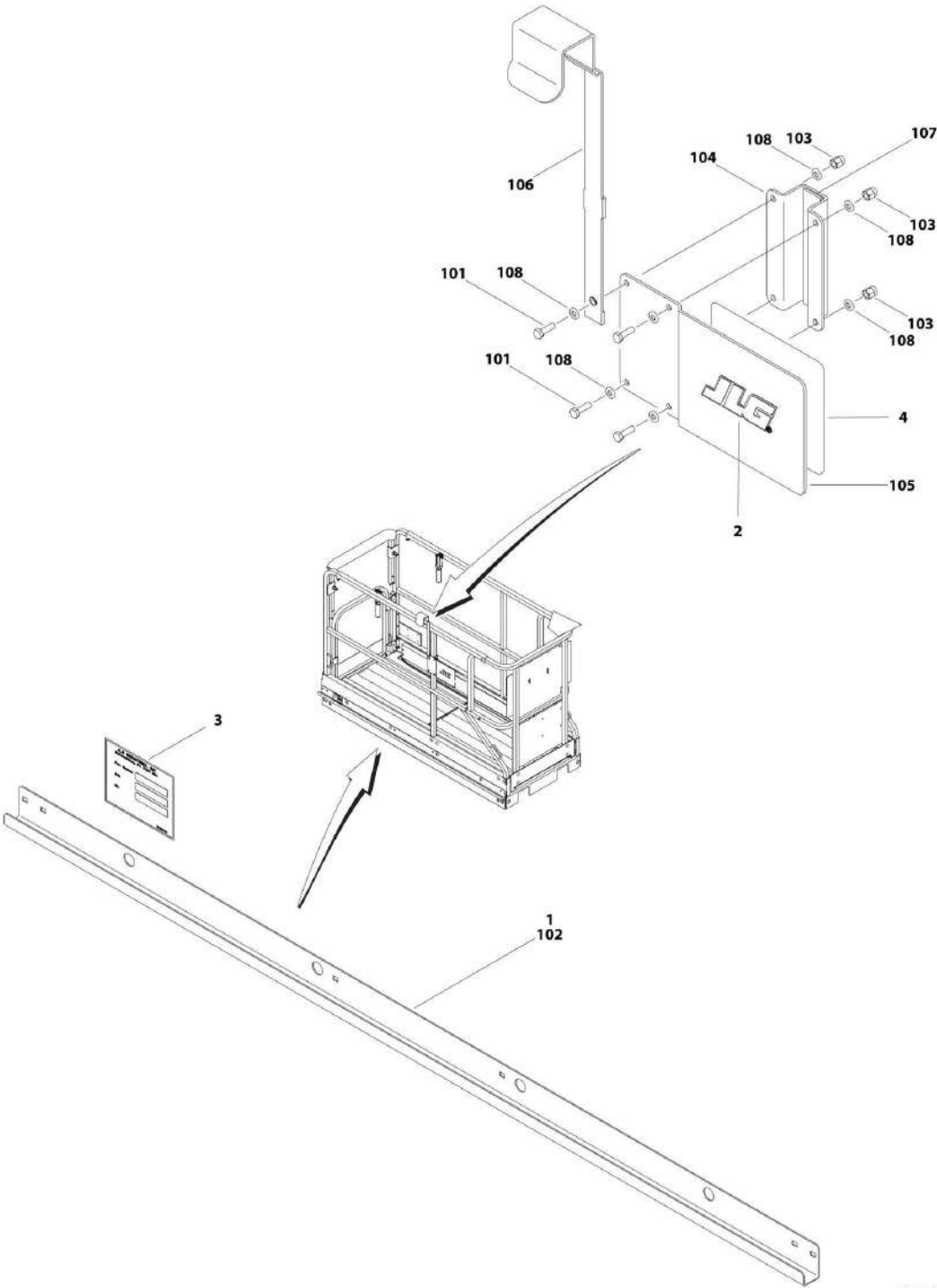
SECTION 4 - PLATFORM

FIGURE 4-33. OVERHEAD SWITCH KIT (FRONT/REAR) (SN B200046830 to Present)

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

SECTION 4 - PLATFORM

FIGURE 4-34. PANEL INSTALLATION (ANSI, ANSI EXPORT, CHINESE, CSA AND KOREA SPECS)



ART_1001178164

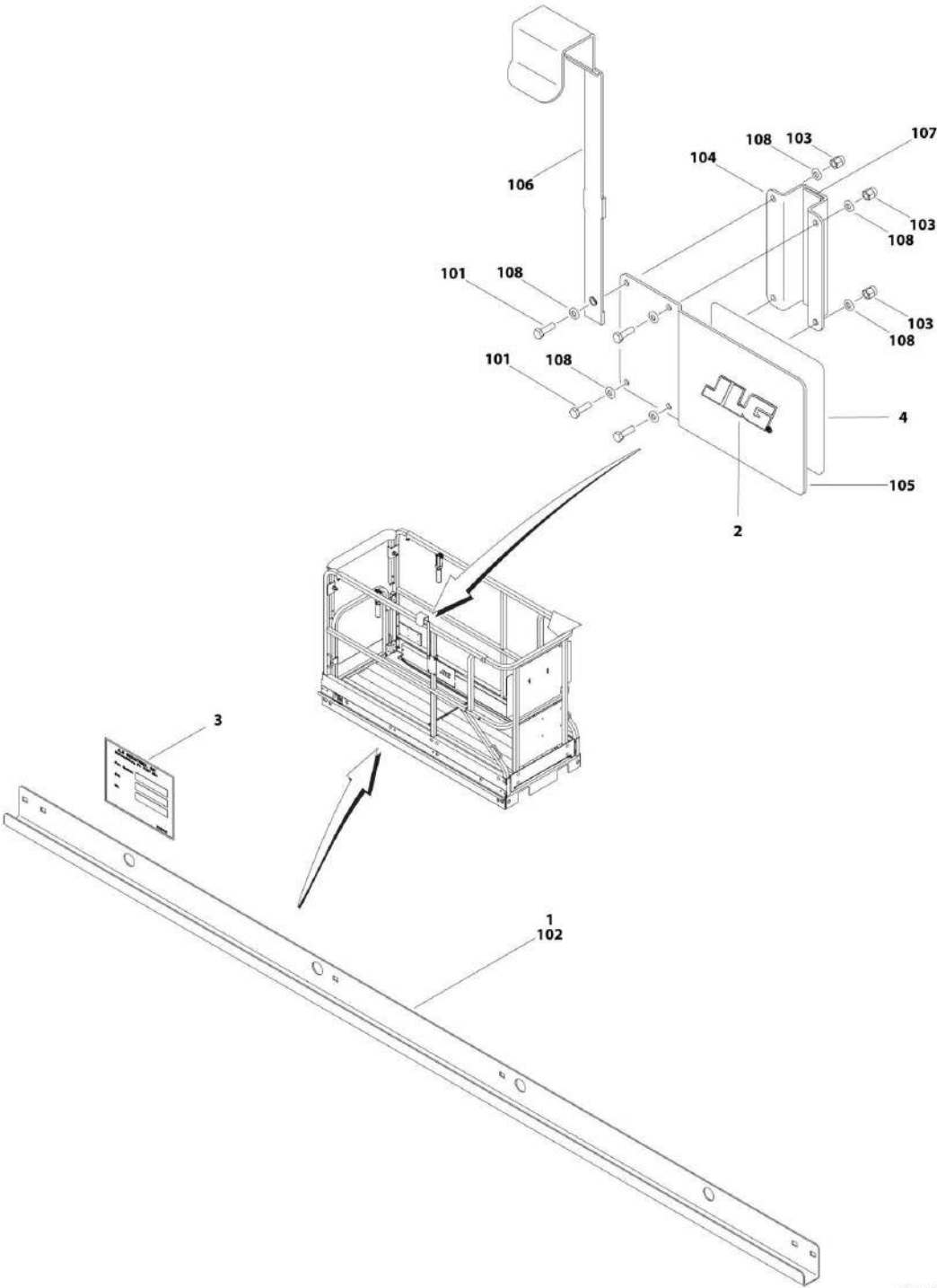
SECTION 4 - PLATFORM

FIGURE 4-34. PANEL INSTALLATION (ANSI, ANSI EXPORT, CHINESE, CSA AND KOREA SPECS)

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

SECTION 4 - PLATFORM

FIGURE 4-35. PANEL INSTALLATION (AUSTRALIAN, CE AND JAPANESES SPECS)



ART_1001176756

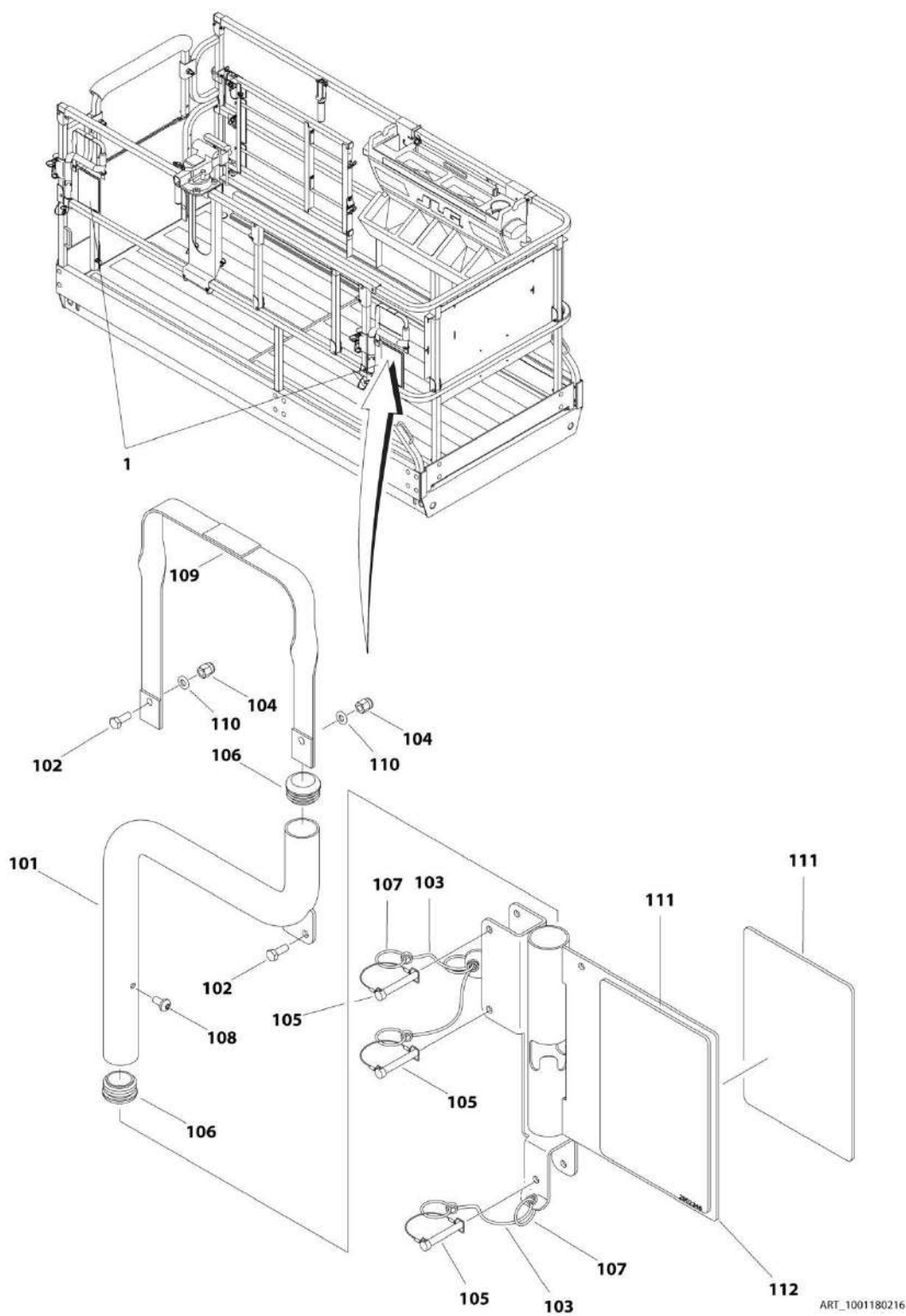
SECTION 4 - PLATFORM

FIGURE 4-35. PANEL INSTALLATION (AUSTRALIAN, CE AND JAPANESES SPECS)

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

SECTION 4 - PLATFORM

FIGURE 4-36. PIPE RACKS INSTALLATION (FACTORY INSTALLED)



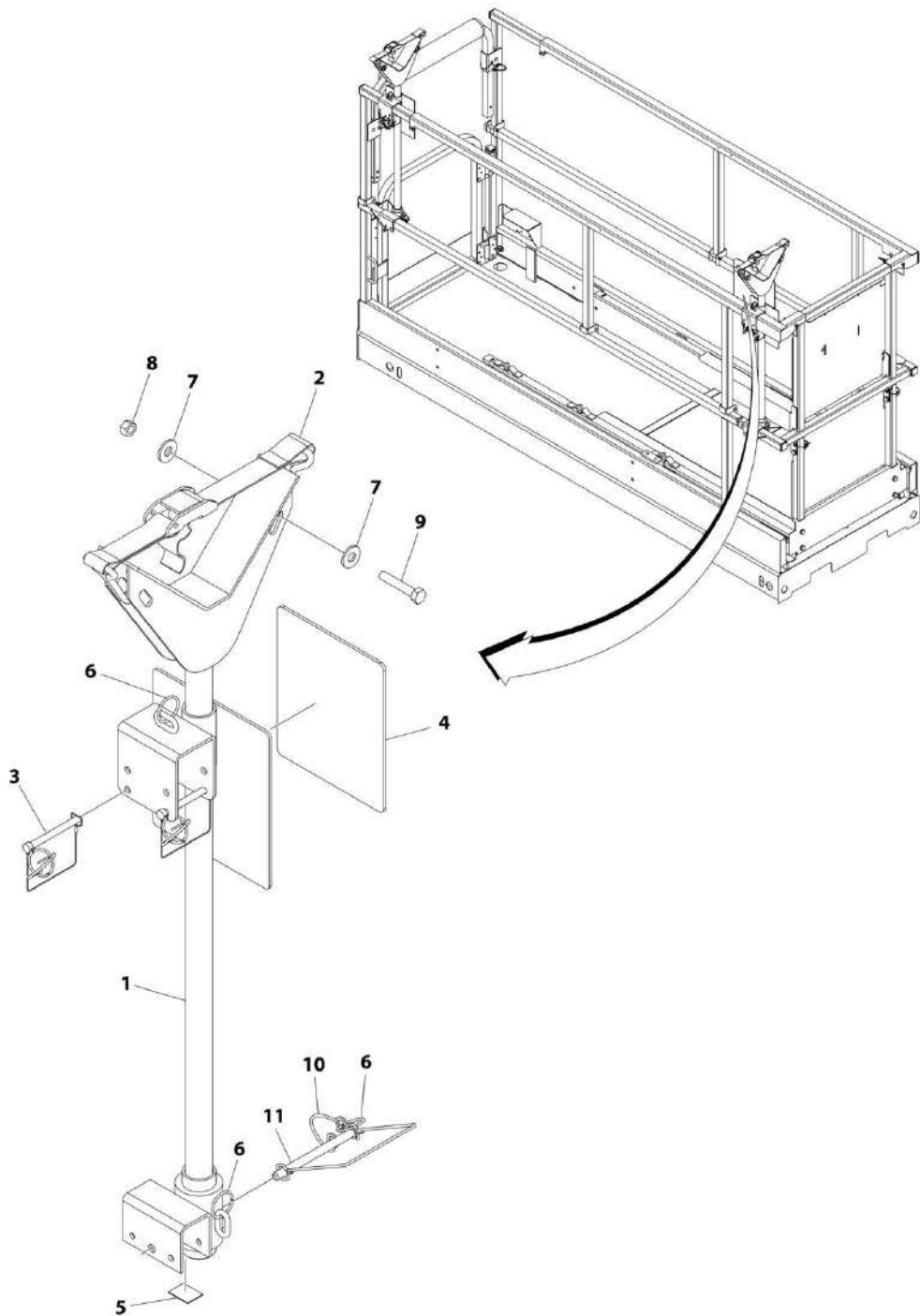
SECTION 4 - PLATFORM

FIGURE 4-36. PIPE RACKS INSTALLATION (FACTORY INSTALLED)

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

SECTION 4 - PLATFORM

FIGURE 4-37. PIPE RACK INSTALLATION (FACTORY INSTALLED)



ART_1001229469

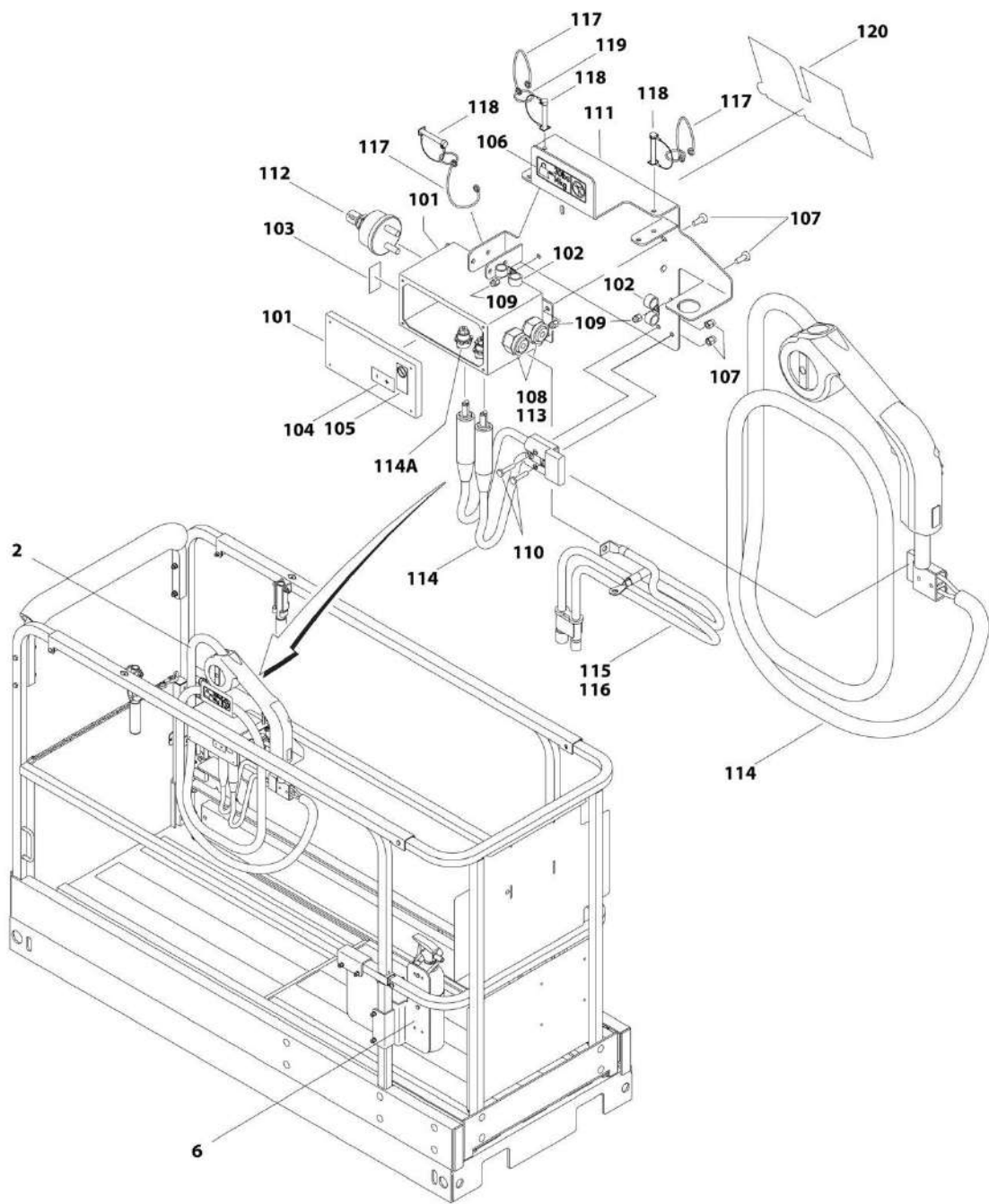
SECTION 4 - PLATFORM

FIGURE 4-37. PIPE RACK INSTALLATION (FACTORY INSTALLED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229469	Ref	PIPE RACK INSTALLATION	A
1	1001199189	2	Rack, Pipe	
2	0480100	2	Tie-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 4-38. QUIK WELDER INSTALLATION



ART_0272882

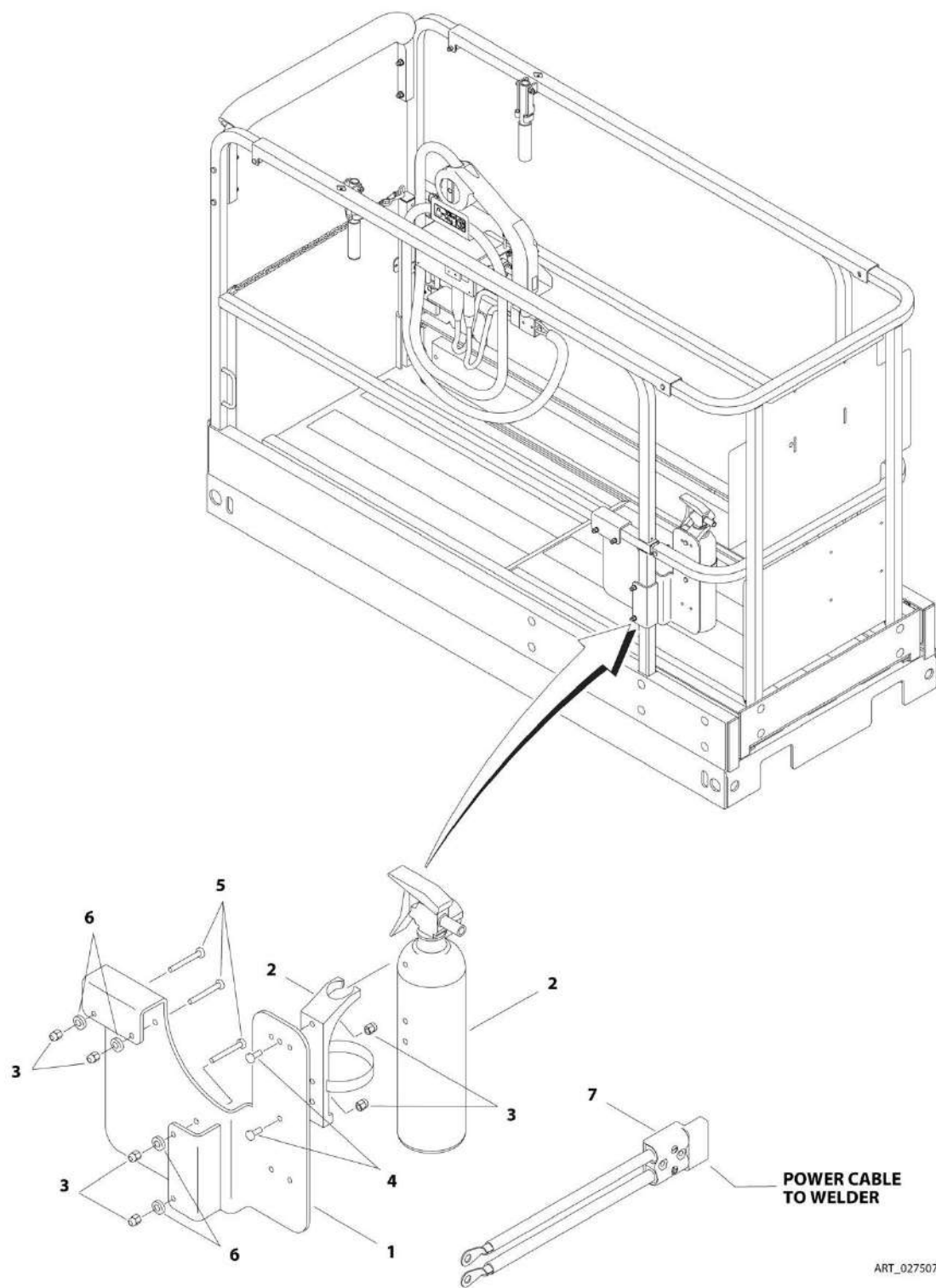
SECTION 4 - PLATFORM

FIGURE 4-38. QUIK WELDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272882	Ref	QUIK WELDER INSTALLATION	D
2	2902334	1	Kit, Quik Welder (See Items 101-120 for Breakdown)	
6	0275075	1	Quik Welder Ready (See 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 4-39. QUIK WELDER READY INSTALLATION



SECTION 4 - PLATFORM

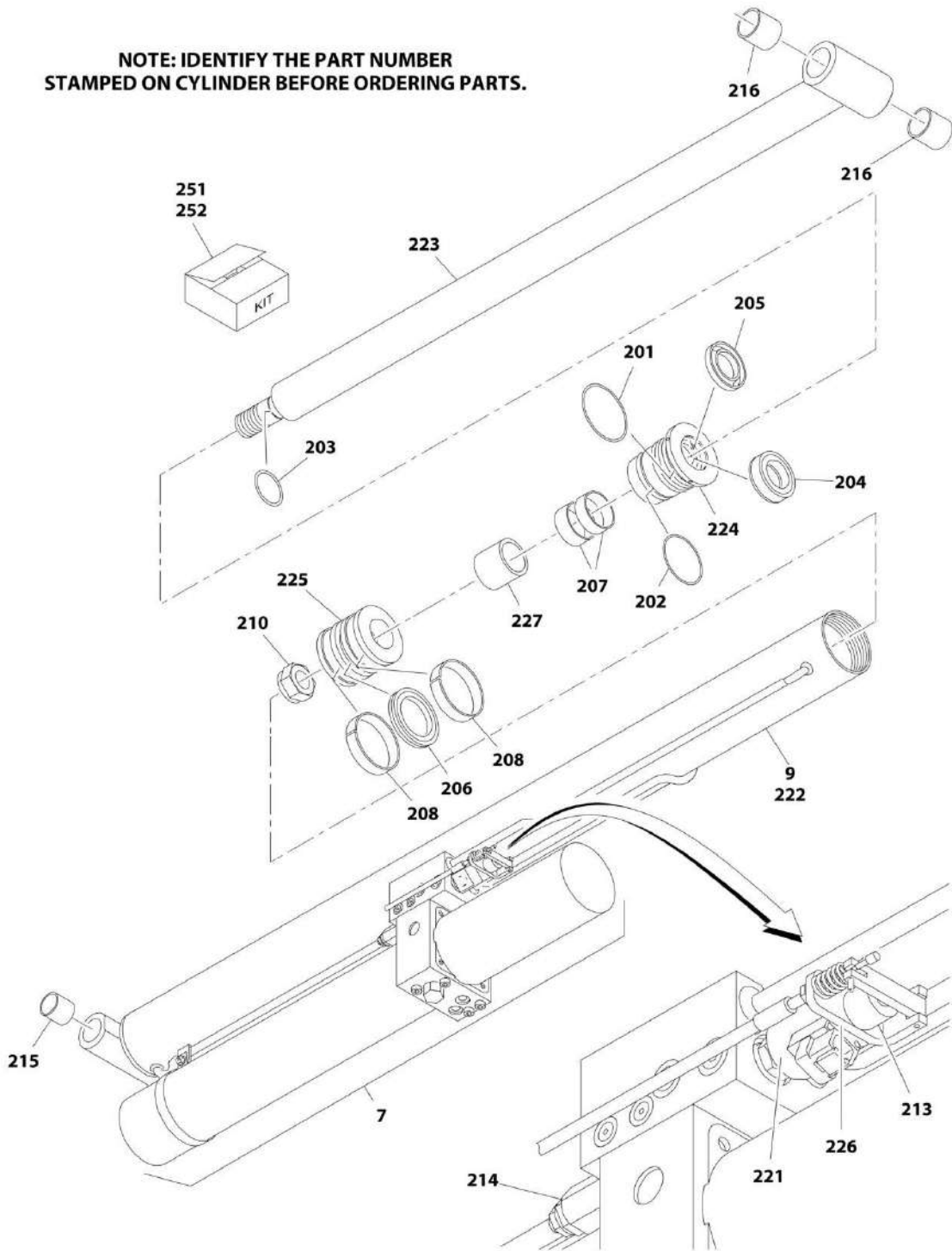
FIGURE 4-39. QUIK WELDER READY INSTALLATION

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

SECTION 5 - CYLINDER

SECTION 5 - CYLINDER

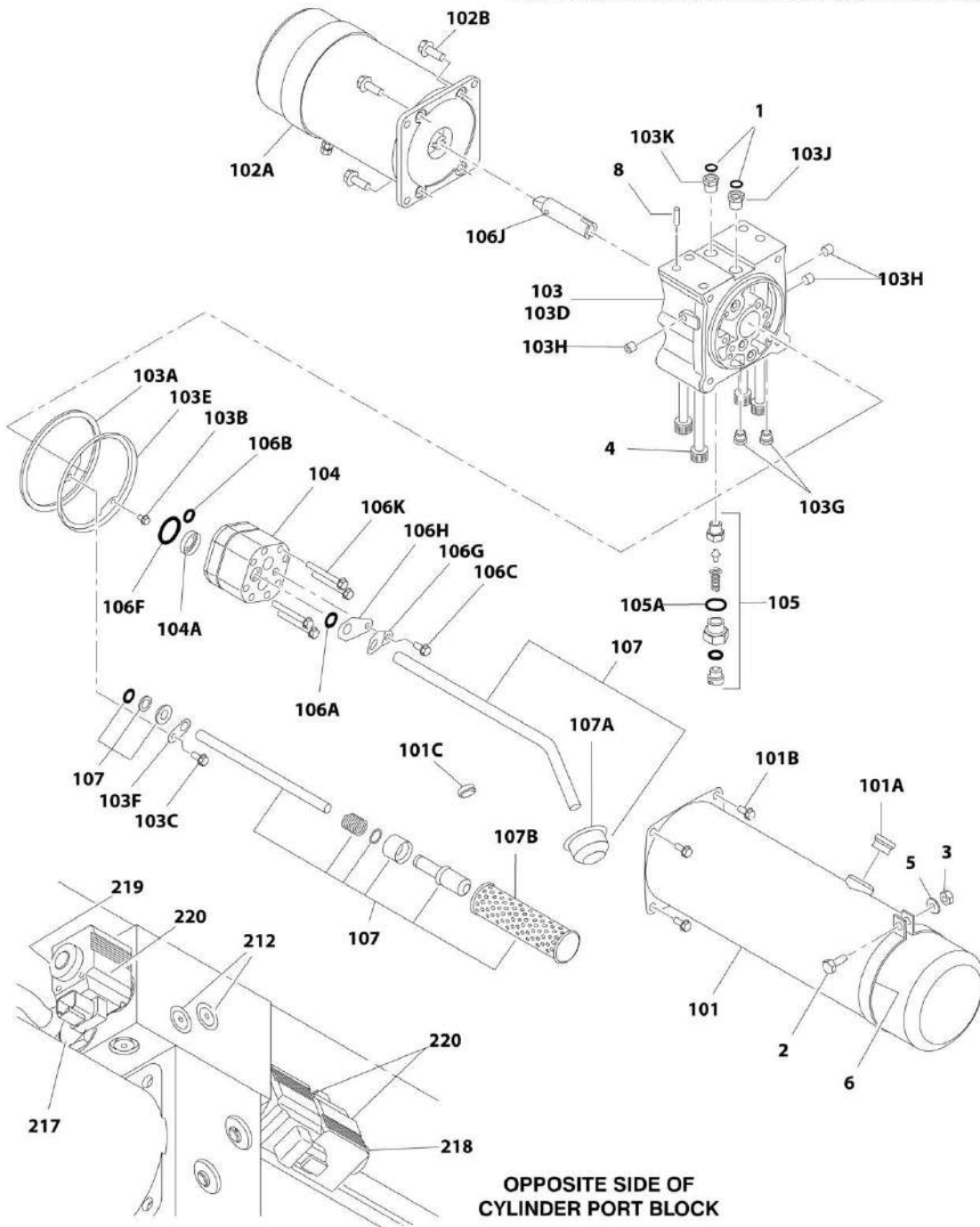
FIGURE 5-1. LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (TEXAS HYDRAULICS)



ART_1684489_10F2

SECTION 5 - CYLINDER

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



ART_1684489_2OF2

SECTION 5 - CYLINDER

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

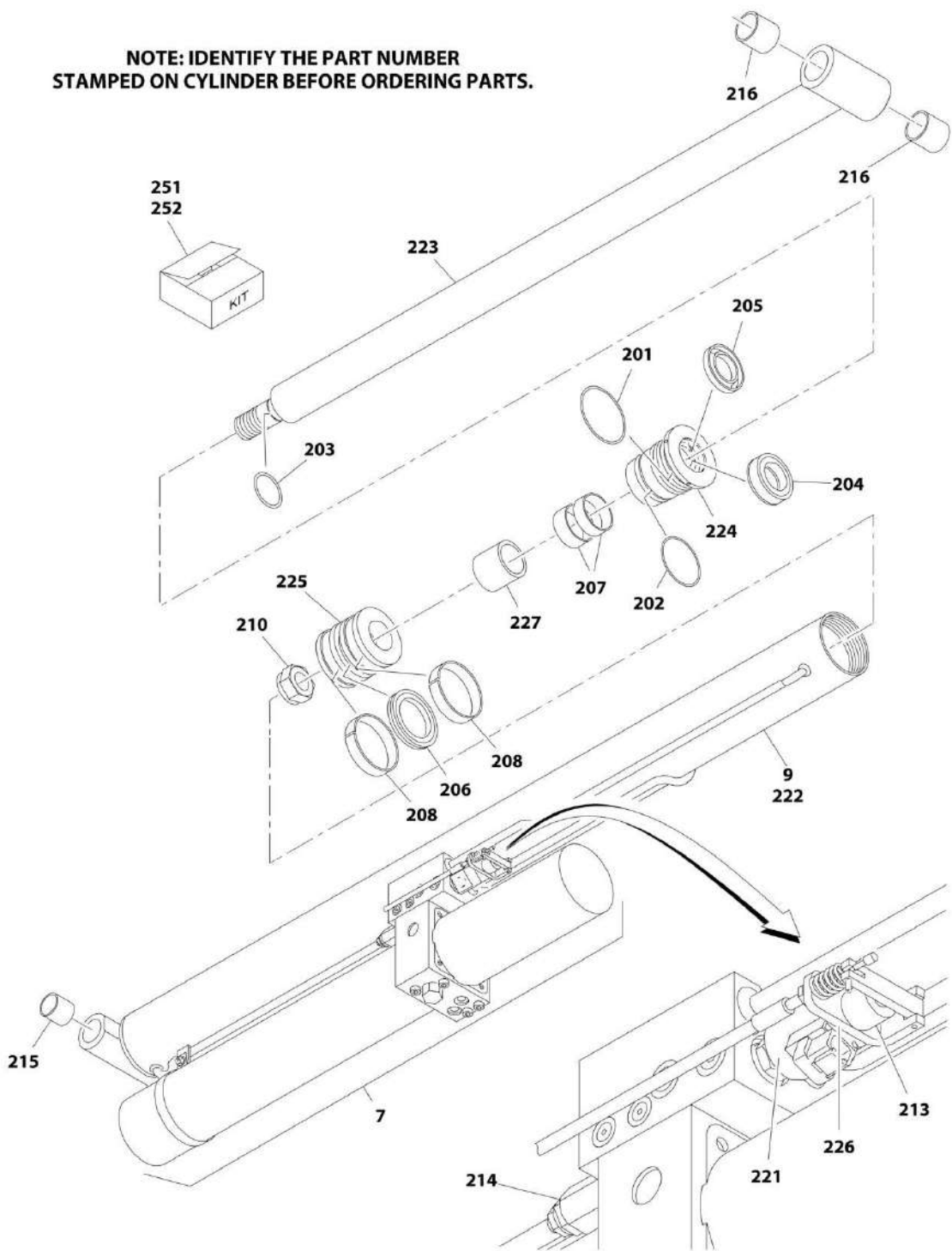
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684489	Ref	LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (TEXAS HYDRAULICS)	H
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	7023577	2	O-Ring	
2	See Note	NSS	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	7023539	1	Clamp	
7	7023557	1	Power Pack Assembly - Complete (See Items 101-107B for Breakdown)	
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	
	7023557	Ref	Power Pack Assembly - Complete (1684489/1684529 Cylinders)	
101	7023578	1	Tank Kit (Note: Includes Tank and Items 101A-101C)	
101A	7023593	1	Plug, Fill	
101B	See Note	NSS	Screw (Note: Use Item 101)	
101C	See Note	NSS	Magnet (Note: Use Item 101)	
102A	7023579	1	Motor	
102A	70000659	1	Brush Kit - 7023579 Motor	
102B	See Note	NSS	Screw (Note: Use Item 102A Motor)	
102B	See Note	NSS	Washer (Note: Use Item 102A Motor)	
103	7023571	1	Adapter Kit	
103A	70000335	1	O-Ring (Note: Use Item 252)	
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	7023580	1	Pump (Note: Shaft Seal is only Repair Part Available. No Other Service Parts Available - Replace Complete 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	Screw (Note: Use Item 7)	
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)	

SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106J	7023581	1	Coupler Kit	
106K	See Note	NSS	Screw (Note: Use Item 7)	
107	7023582	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	0962006	2	Bushing	
216	0962181	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	7023556	1	Barrel	
223	7023533	1	Rod	
224	7023532	1	Head	
225	7023531	1	Piston	
226	7023530	1	Emergency Release Assembly	
227	Not Required	0	Spacer	
		Ref	SEAL KIT OPTIONS	
251	7023528	1	Seal Kit - Cylinder (Includes Items 201-208)	
252	70001982	1	Seal Kit - Reservoir/Pump (Includes Items 103A, 103E, 104A, 106B & 106F)	

SECTION 5 - CYLINDER

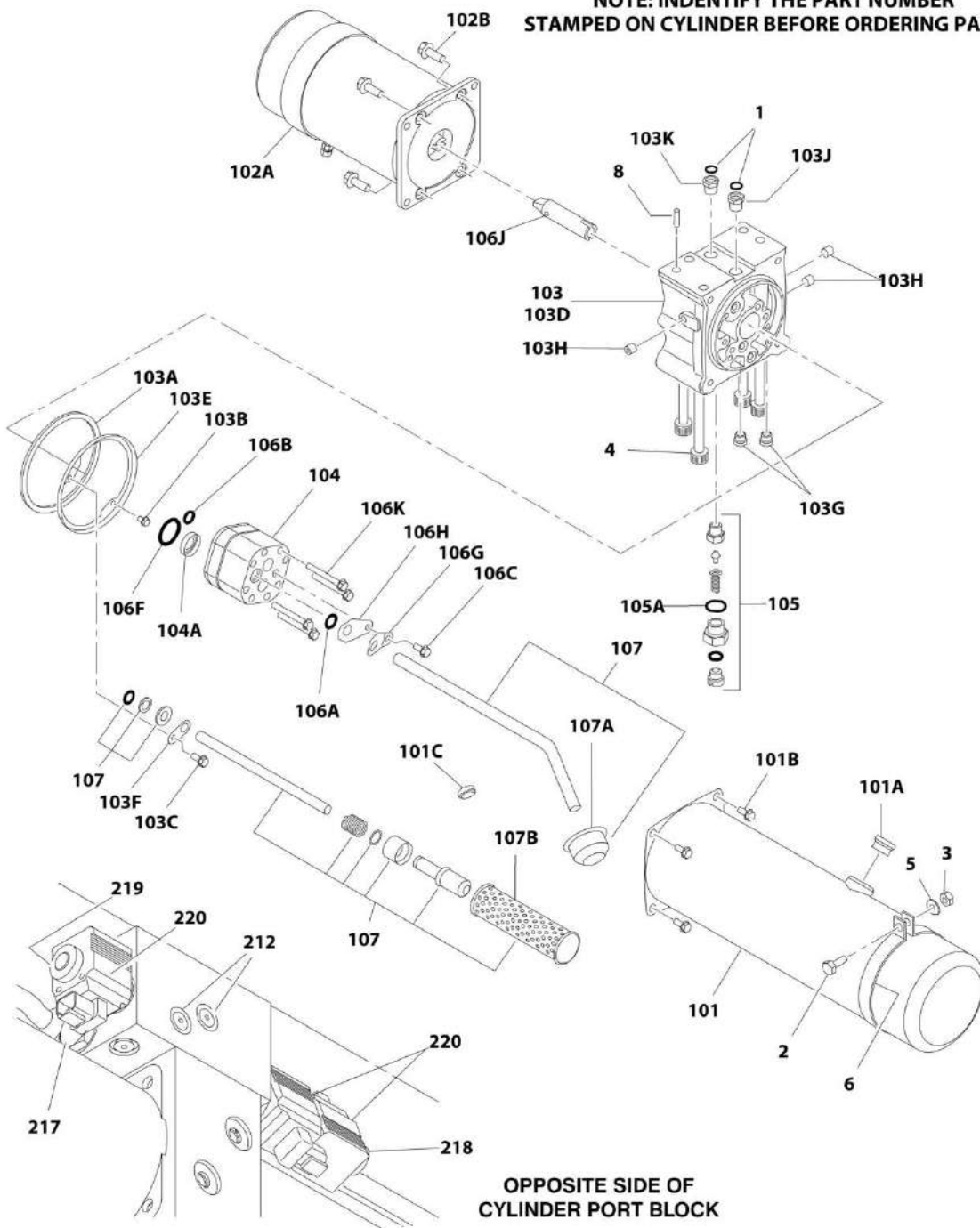
FIGURE 5-2. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADABLE HYDRAULIC OIL (TEXAS HYDRAULICS)



ART_1684529_10F2

SECTION 5 - CYLINDER

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



ART_1684529_20F2

SECTION 5 - CYLINDER

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

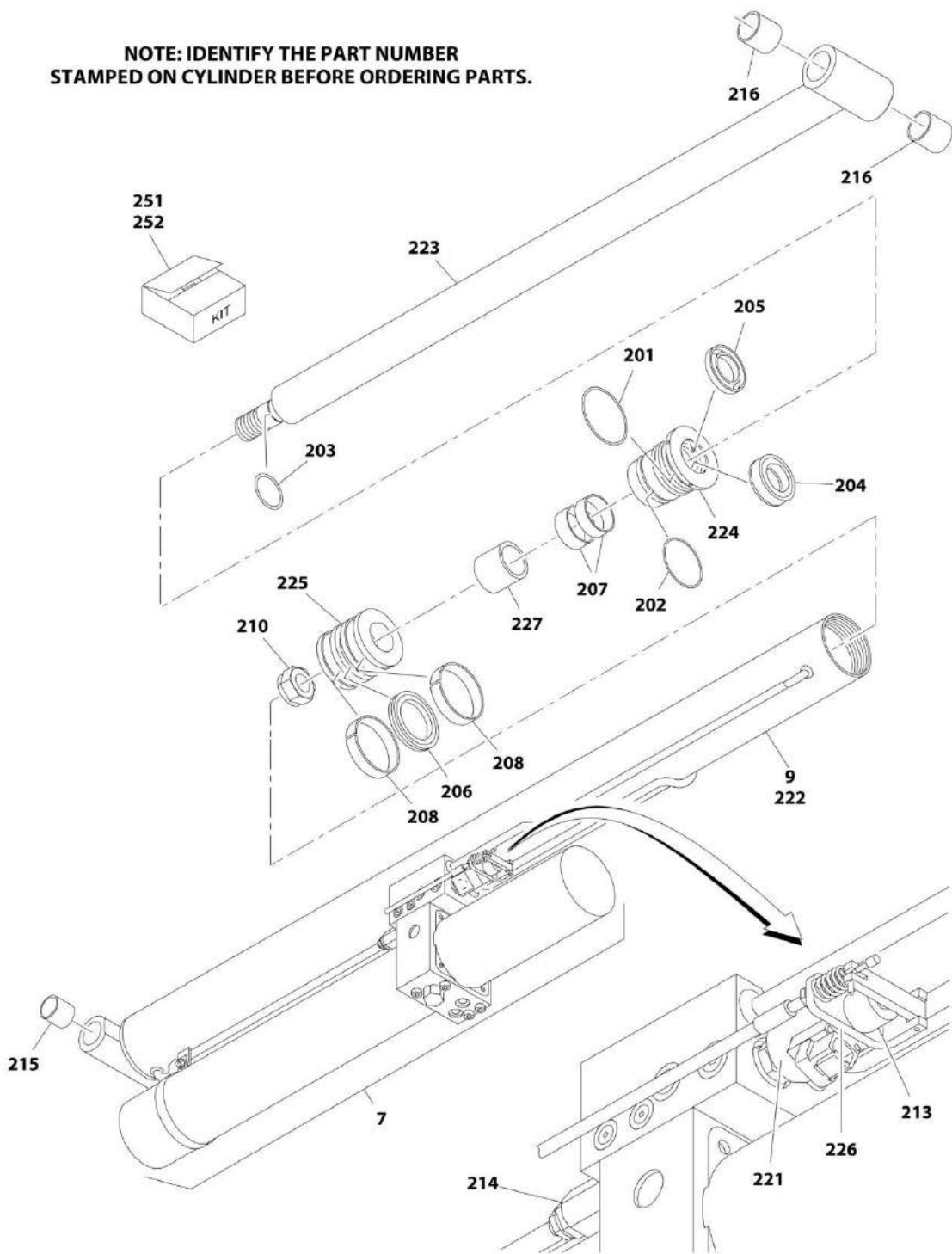
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684529	Ref	LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (TEXAS HYDRAULICS)	G
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	7023577	2	O-Ring	
2	See Note	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	7023539	1	Clamp	
7	7023557	1	Power Pack Assembly - Complete (See Items 101-107B for Breakdown)	
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	
	7023557	Ref	Power Pack Assembly - Complete (1684489/1684529 Cylinders)	
101	7023578	1	Tank Kit (Note: Includes Tank and Items 101A-101C)	
101A	7023593	1	Plug, Fill	
101B	See Note	NSS	Screw (Note: Use Item 101)	
101C	See Note	NSS	Magnet (Note: Use Item 101)	
102A	7023579	1	Motor	
102A	70000659	1	Brush Kit - 7023579 Motor	
102B	See Note	NSS	Screw (Note: Use Item 102A Motor)	
102B	See Note	NSS	Washer (Note: Use Item 102A Motor)	
103	7023571	1	Adapter Kit	
103A	70000335	1	O-Ring (Note: Use Item 252)	
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	7023580	1	Pump (Note: Shaft Seal is only Repair Part Available. No Other Service Parts Available - Replace Complete 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	Screw (Note: Use Item 7)	
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)	

SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106J	7023581	1	Coupler Kit	
106K	See Note	NSS	Screw (Note: Use Item 7)	
107	7023582	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	0962006	2	Bushing	
216	0962181	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	7023556	1	Barrel	
223	7023533	1	Rod	
224	7023532	1	Head	
225	7023531	1	Piston	
226	7023530	1	Emergency Release Assembly	
227	Not Required	0	Spacer	
		Ref	SEAL KIT OPTIONS	
251	7023528	1	Seal Kit - Cylinder (Includes Items 201-208)	
252	70001982	1	Seal Kit - Reservoir/Pump (Includes Items 103A, 103E, 104A, 106B & 106F)	

SECTION 5 - CYLINDER

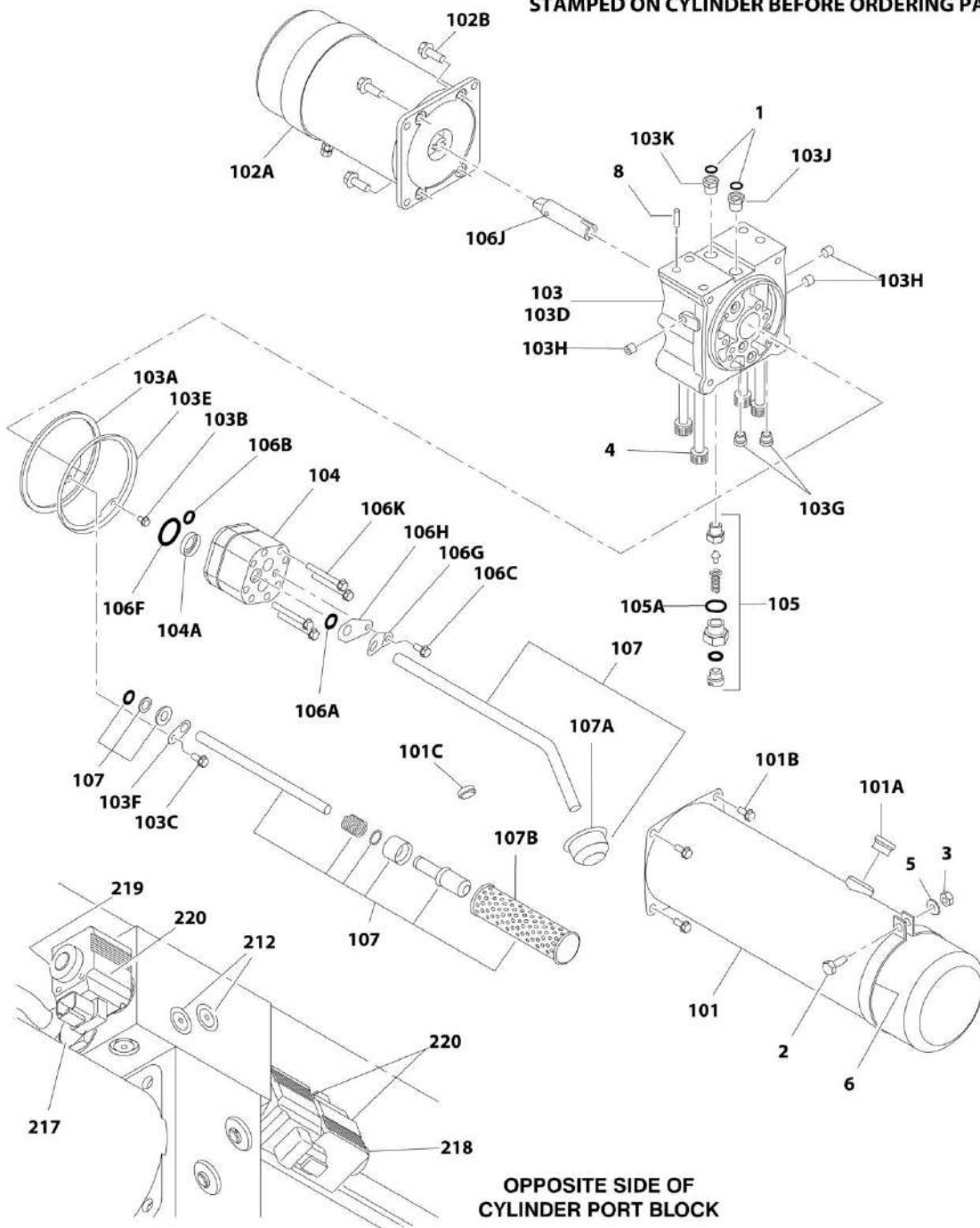
FIGURE 5-3. LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (TEXAS HYDRAULICS)



ART_1684490_10F2

SECTION 5 - CYLINDER

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



**OPPOSITE SIDE OF
CYLINDER PORT BLOCK**

ART_1684490_2OF2

SECTION 5 - CYLINDER

FIGURE 5-3. LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (TEXAS HYDRAULICS)

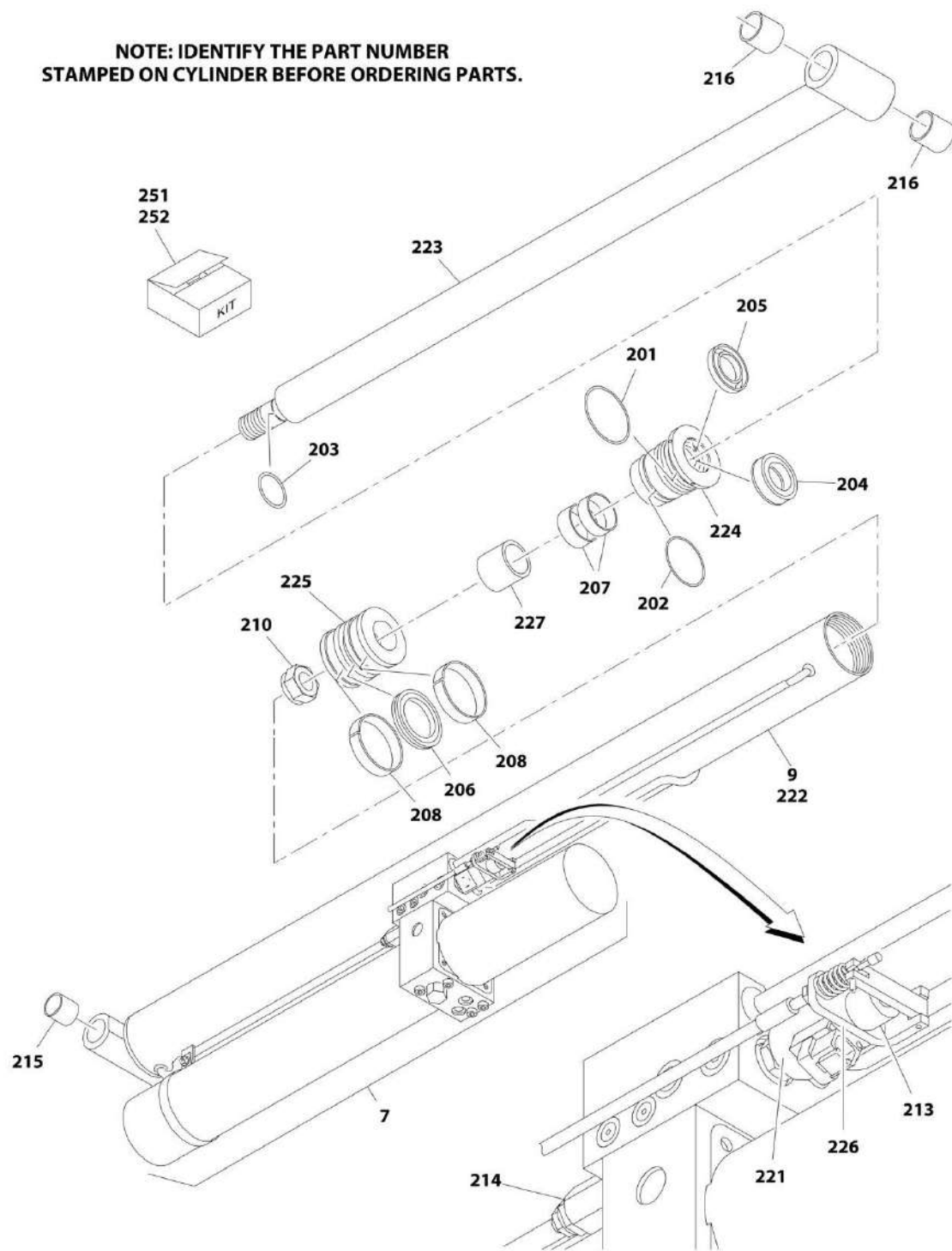
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684490	Ref	LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (TEXAS HYDRAULICS)	H
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	7023577	2	O-Ring	
2	See Note	NSS	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	7023539	1	Clamp	
7	7023535	1	Power Pack Assembly - Complete (See Items 101-107B for Breakdown)	
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	
	7023535	Ref	Power Pack Assembly - Complete (1684490/1684530 Cylinders)	
101	7023583	1	Tank Kit (Note: Includes Tank and Items 101A-101C)	
101A	7023593	1	Plug, Fill	
101B	See Note	NSS	Screw (Note: Use Item 101)	
101C	See Note	NSS	Magnet (Note: Use Item 101)	
102A	7023579	1	Motor	
102A	70000659	1	Brush Kit - 7023579 Motor	
102B	See Note	NSS	Screw (Note: Use Item 102A Motor)	
102B	See Note	NSS	Washer (Note: Use Item 102A Motor)	
103	7023571	1	Adapter Kit	
103A	70000335	1	O-Ring (Note: Use Item 252)	
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	7023580	1	Pump (Note: Shaft Seal is only Repair Part Available. No Other Service Parts Available - Replace Complete 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	Screw (Note: Use Item 7)	
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)	

SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106J	7023581	1	Coupler Kit	
106K	See Note	NSS	Screw (Note: Use Item 7)	
107	7023584	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	0962006	2	Bushing	
216	0962181	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	7023534	1	Barrel	
223	7023533	1	Rod	
224	7023532	1	Head	
225	7023531	1	Piston	
226	7023530	1	Emergency Release Assembly	
227	7023529	1	Spacer	
		Ref	SEAL KIT OPTIONS	
251	7023528	1	Seal Kit - Cylinder (Includes Items 201-208)	
252	70001982	1	Seal Kit - Reservoir/Pump (Includes Items 103A, 103E, 104A, 106B & 106F)	

SECTION 5 - CYLINDER

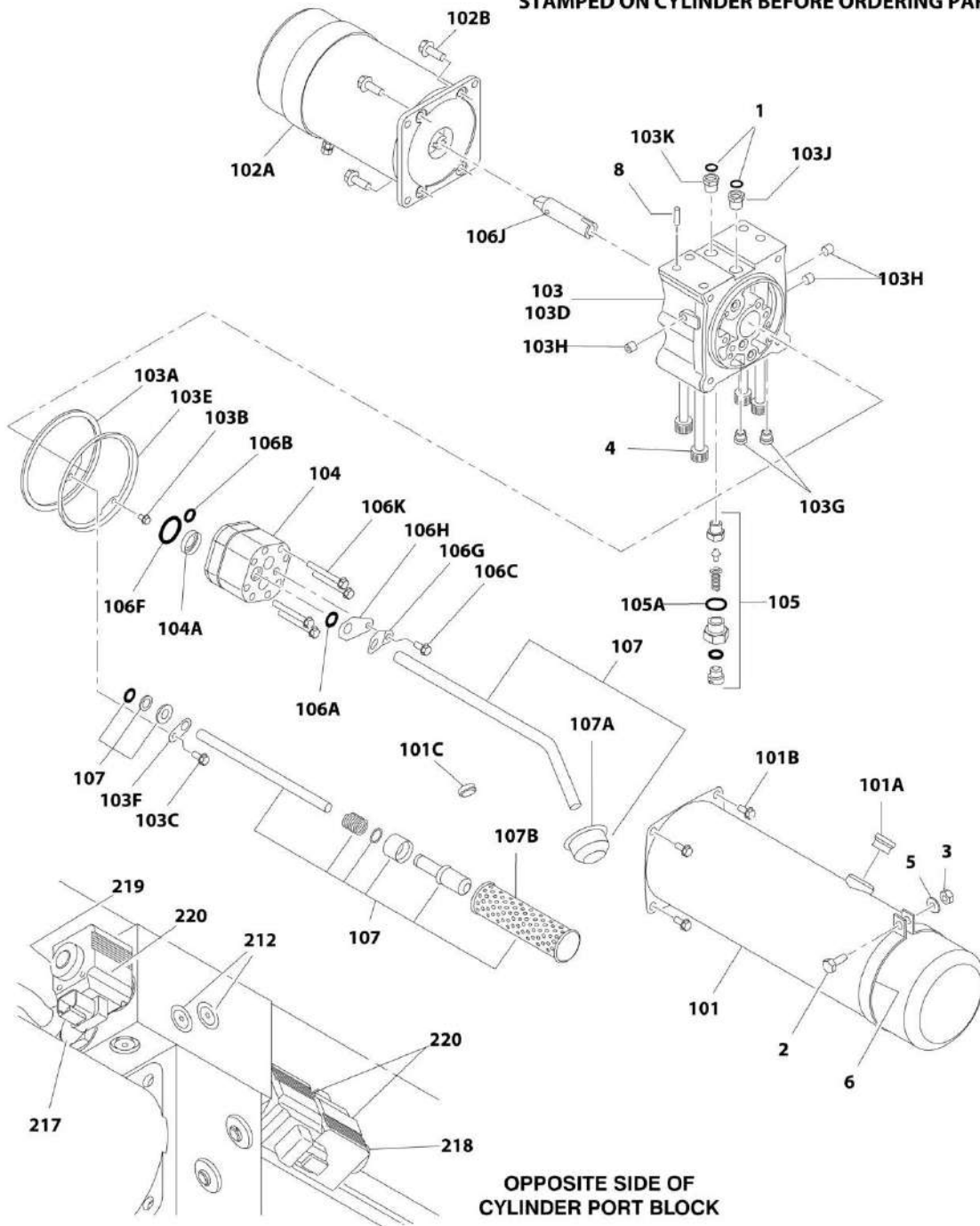
FIGURE 5-4. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADABLE HYDRAULIC OIL (TEXAS HYDRAULICS)



ART_1684530_10F2

SECTION 5 - CYLINDER

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



ART_1684530_2OF2

SECTION 5 - CYLINDER

FIGURE 5-4. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (TEXAS HYDRAULICS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684530	Ref	LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (TEXAS HYDRAULICS)	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	7023539	1	Clamp	
7	7023535	1	Power Pack Assembly - Complete (See Items 101-107B for Breakdown)	
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	
	7023535	Ref	Power Pack Assembly - Complete (1684490/1684530 Cylinders)	
101	7023583	1	Tank Kit (Note: Includes Tank and Items 101A-101C)	
101A	7023593	1	Plug, Fill	
101B	See Note	NSS	Screw (Note: Use Item 101)	
101C	See Note	NSS	Magnet (Note: Use Item 101)	
102A	7023579	1	Motor	
102A	70000659	1	Brush Kit - 7023579 Motor	
102B	See Note	NSS	Screw (Note: Use Item 102A Motor)	
102B	See Note	NSS	Washer (Note: Use Item 102A Motor)	
103	7023571	1	Adapter Kit	
103A	70000335	1	O-Ring (Note: Use Item 252)	
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 9/16in - 12UNC (Note: Use Item 103)	
103K	See Note	NSS	Breather 9/16in - 18SAE (Note: Use Item 103)	
104	7023580	1	Pump (Note: Shaft Seal is only Repair Part Available. No Other Service Parts Available - Replace Complete 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	Screw (Note: Use Item 7)	
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)	

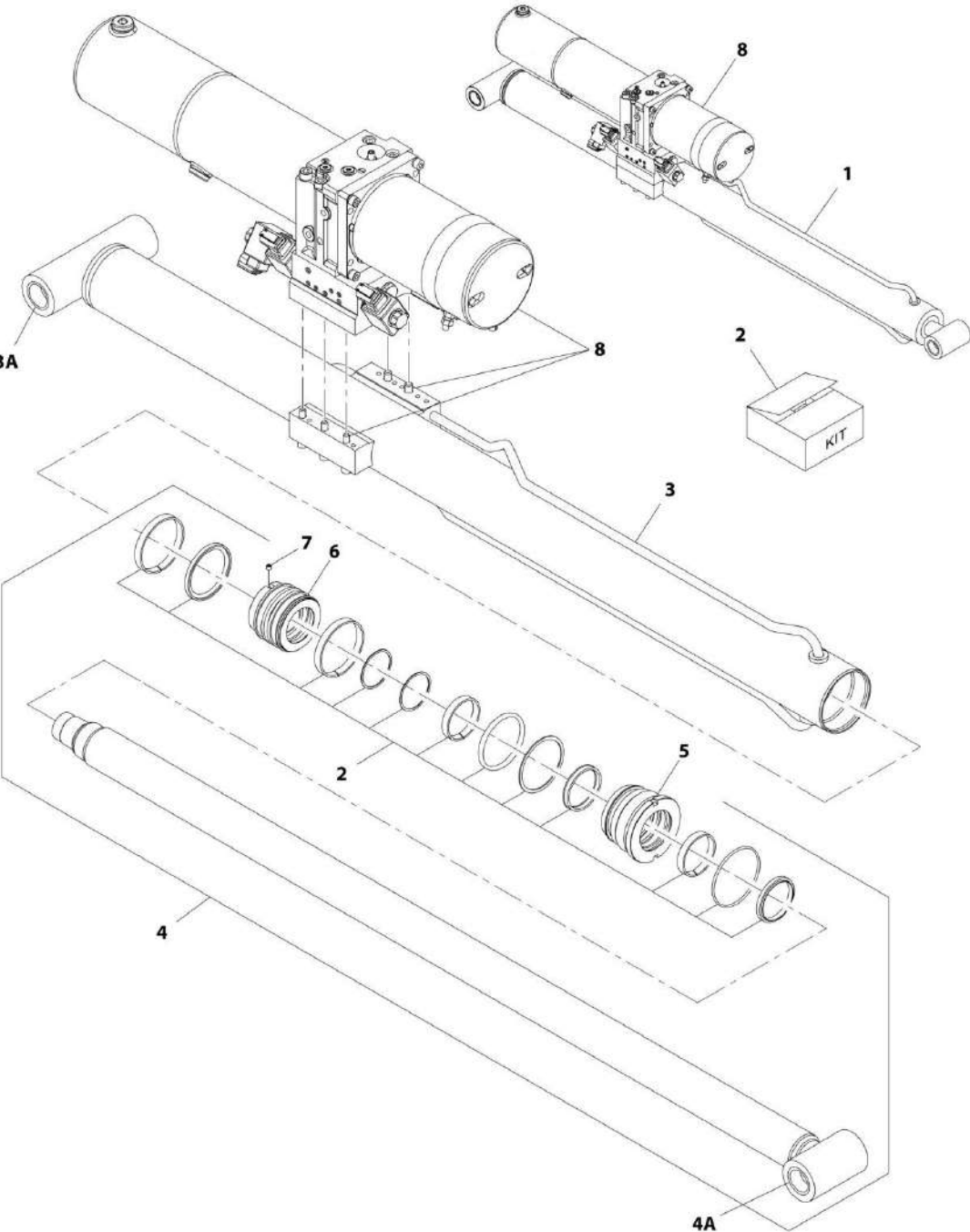
SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106J	7023581	1	Coupler Kit	
106K	See Note	NSS	Screw (Note: Use Item 7)	
107	7023584	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	0962006	2	Bushing	
216	0962181	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	7023534	1	Barrel	
223	7023533	1	Rod	
224	7023532	1	Head	
225	7023531	1	Piston	
226	7023530	1	Emergency Release Assembly	
227	7023529	1	Spacer	
		Ref	SEAL KIT OPTIONS	
251	7023528	1	Seal Kit - Cylinder (Includes Items 201-208)	
252	70001982	1	Seal Kit - Reservoir/Pump (Includes Items 103A, 103E, 104A, 106B & 106F)	

SECTION 5 - CYLINDER

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

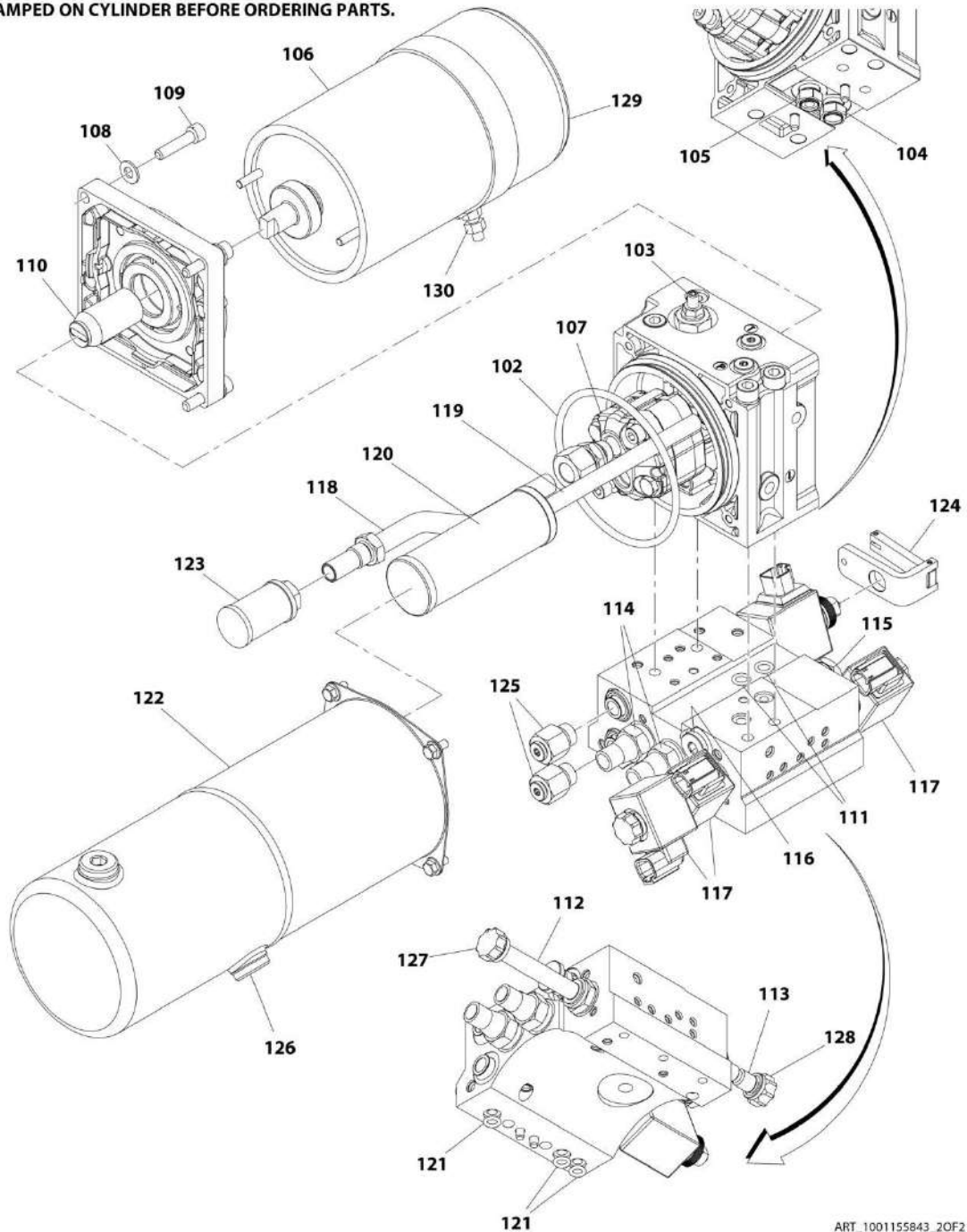
NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.



ART_1001155843_1OF2

SECTION 5 - CYLINDER

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



ART_1001155843_20F2

SECTION 5 - CYLINDER

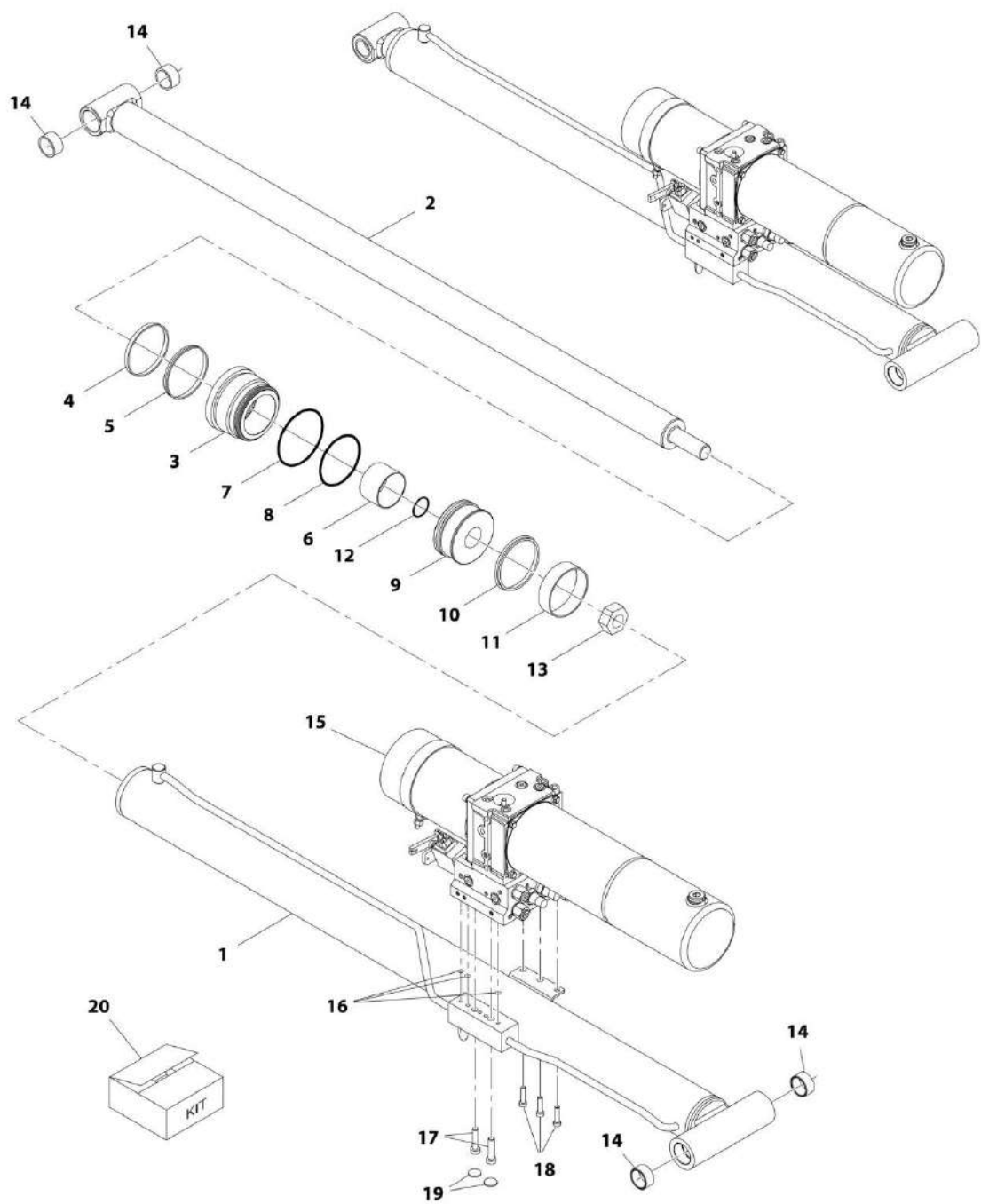
FIGURE 5-5. LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (SERTA)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155843	Ref	LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (SERTA)	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004733	1	Cylinder Assembly Less Powerpack	
2	70004736	1	Seal Kit	
3	70004731	1	Barrel (Includes Item 3A)	
3A	0962006	2	Bushing	
4	70004734	1	Rod (Includes Items 2, 4A, 5, 6 & 7)	
4A	0962181	2	Bushing	
5	70006092	1	Head, Cylinder	
6	70006091	1	Piston	
7	70020438	1	Screw	
8	70004949	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
		Ref	MOTOR/PUMP/TANK ASSEMBLIES	
	70004949	Ref	Motor/Pump/Tank Assembly	
102	70004914	1	O-Ring	
103	70004915	1	Cartridge, Valve (Main Relief)	
104	70004916	1	Cartridge, Valve (Breather Vacuum Check)	
105	70004917	1	Cartridge, Valve (Breather Pressure Check)	
106	70004980	1	Kit, Motor (Includes motor, flange and ring)	
107	70005233	1	Kit, Pump (Includes pump and hardware)	
108	70004974	4	Washer M8	
109	70004975	4	Capscrew M8 x 60	
110	70004973	1	Shaft Coupling	
111	70004925	2	O-Ring	
112	70003028	1	Cartridge, Solenoid Valve Less Coil (Steer)	
113	70004926	1	Cartridge, Solenoid Valve Less Coil (Lift)	
114	70004927	2	Cartridge, Valve (Steer Relief)	
115	70004585	1	Cartridge, Valve (Lift Check)	
116	70004928	1	Filter 300 micron	
117	70003704	3	Coil	
118	70004947	1	Pipe, Suction	
119	70004948	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005241	1	Kit, Tank (Includes tank, plug, "o"-ring and screws)	
123	70005235	1	Kit, Filter (Includes strainer and seal ring)	
124	70005236	1	Kit, Solenoid Valve (Includes solenoid, coil and lever)	
125	70005237	2	Kit, Fitting (Includes adapter, seal washer and plug)	
126	70004921	1	Plug	
127	70004654	1	Nut, Coil (for Item #112)	
128	70005238	1	Nut, Retaining (for Item #113)	
129	70004971	1	Kit, Brush	
130	70004972	1	Nut M8	

SECTION 5 - CYLINDER

FIGURE 5-6. LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (SH-PAC)

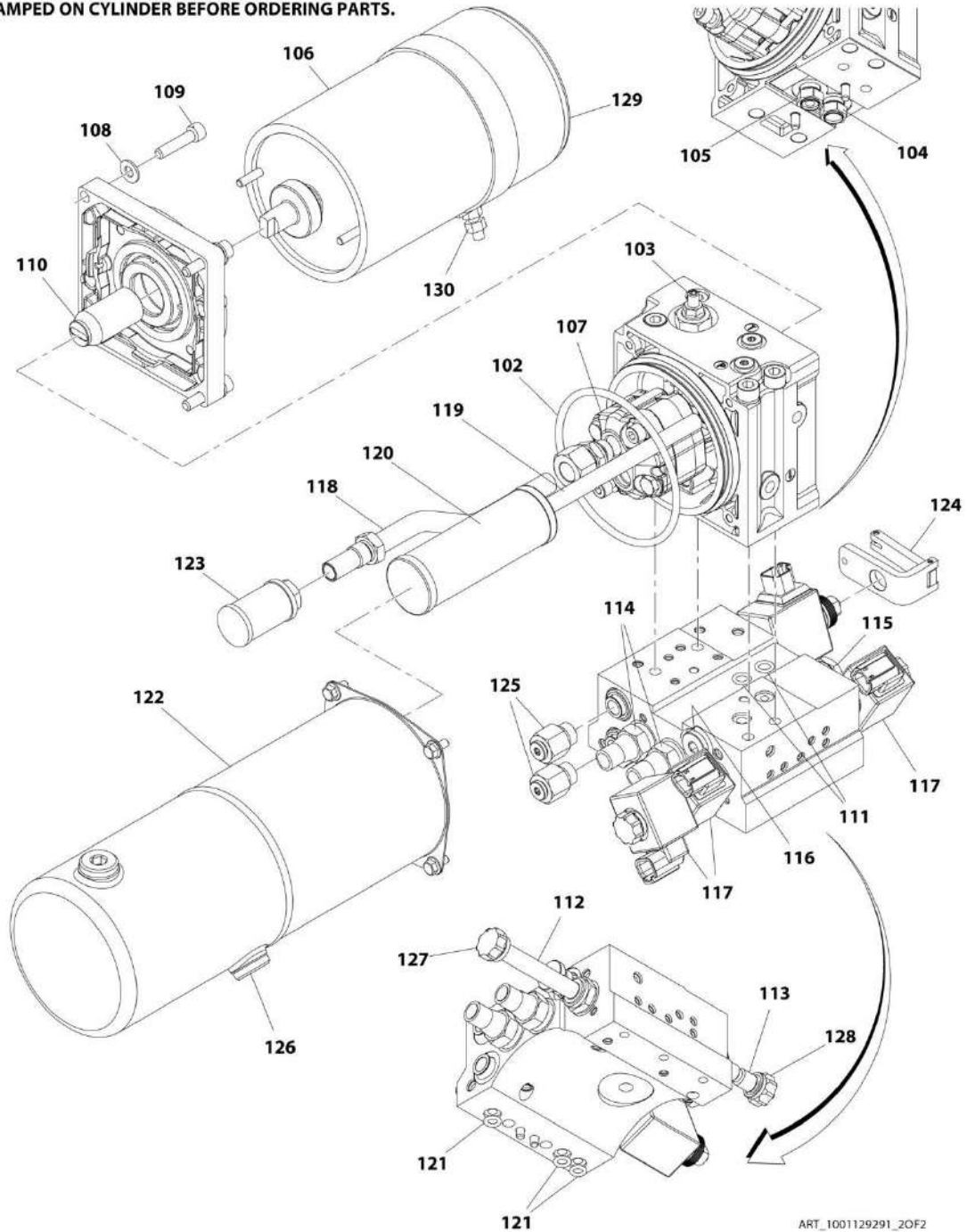
NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.



ART_1001129291_10F2

SECTION 5 - CYLINDER

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



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SECTION 5 - CYLINDER

FIGURE 5-6. LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (SH-PAC)

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

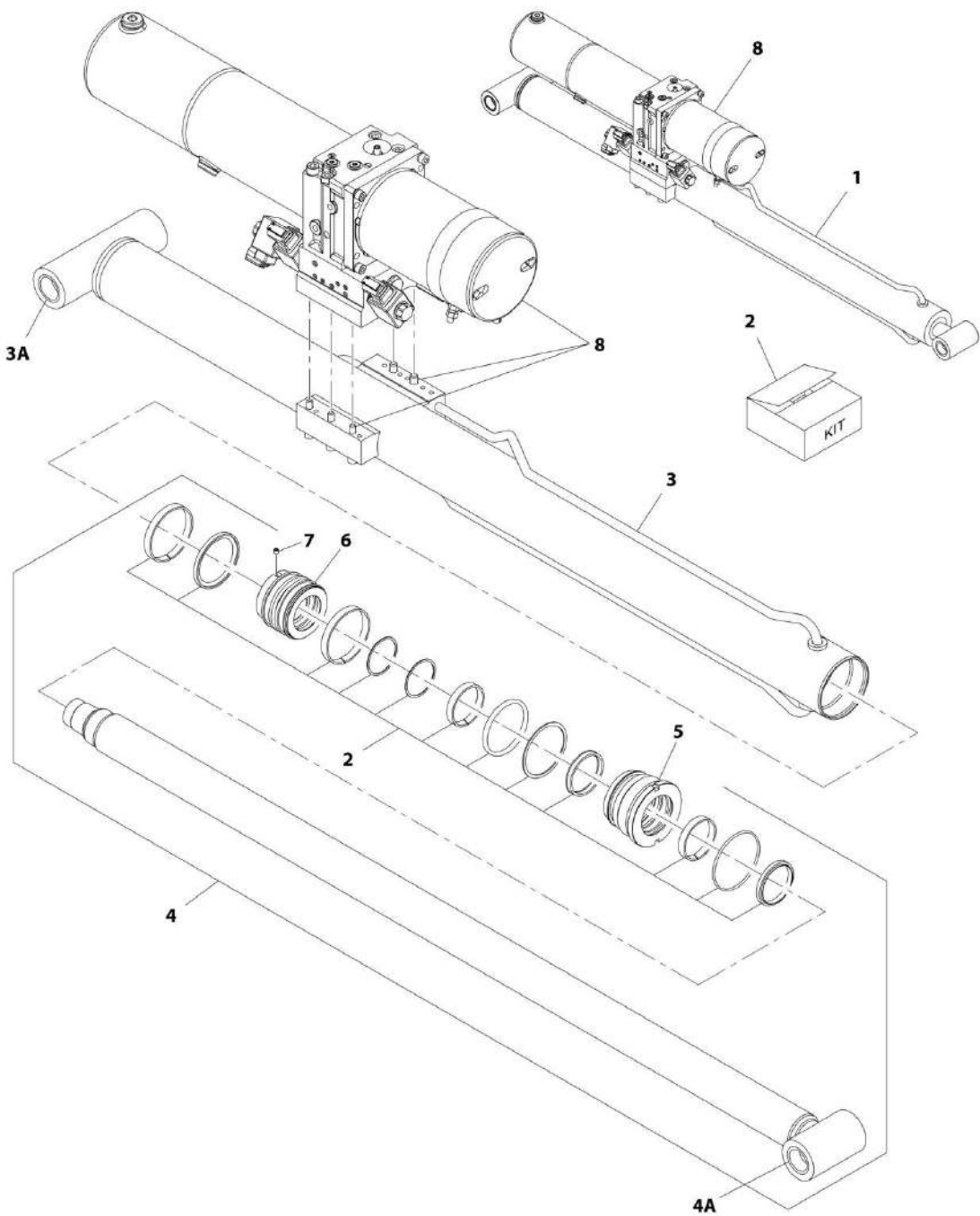
SECTION 5 - CYLINDER

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

SECTION 5 - CYLINDER

FIGURE 5-7. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADABLE HYDRAULIC OIL (SERTA)

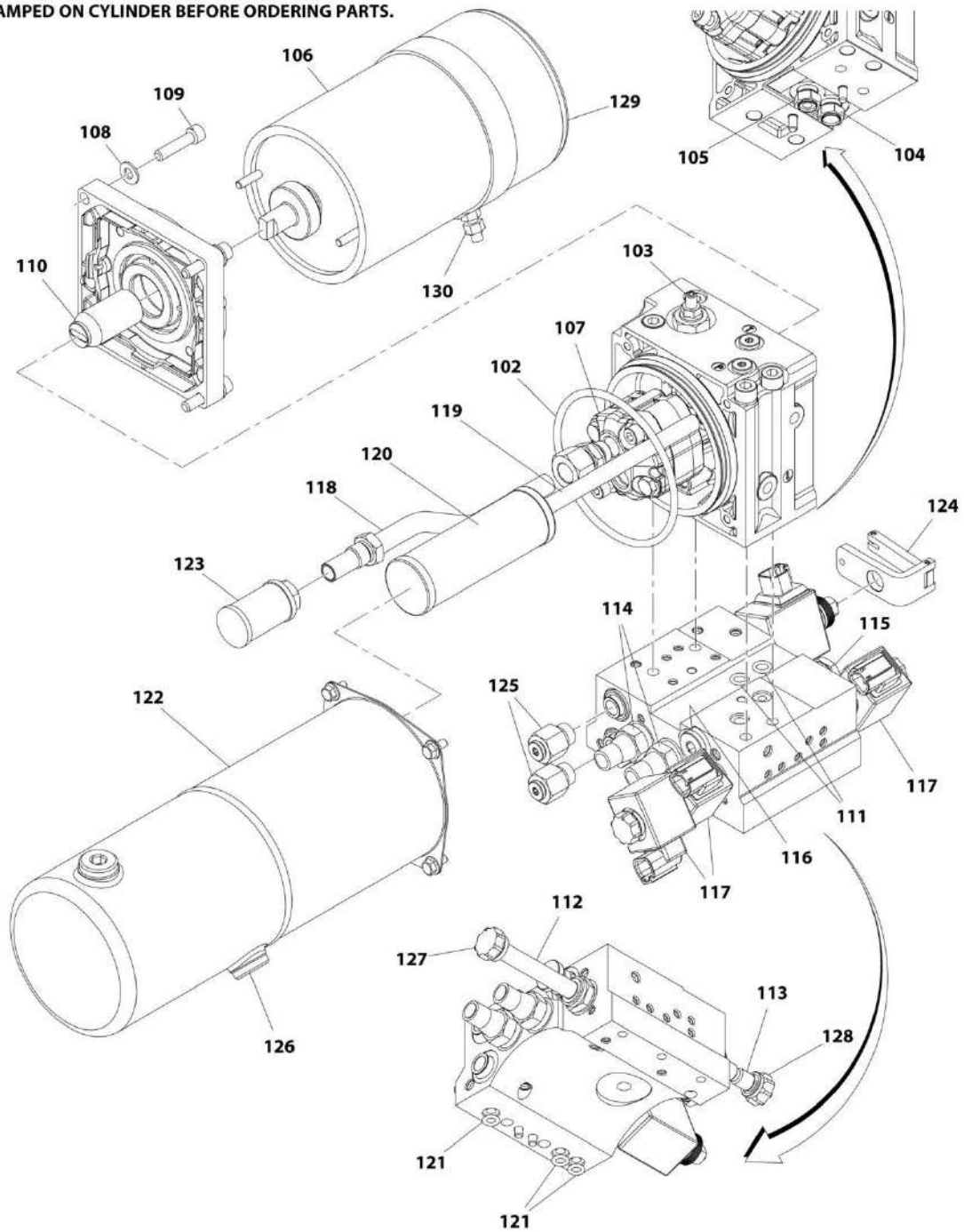
NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.



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SECTION 5 - CYLINDER

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



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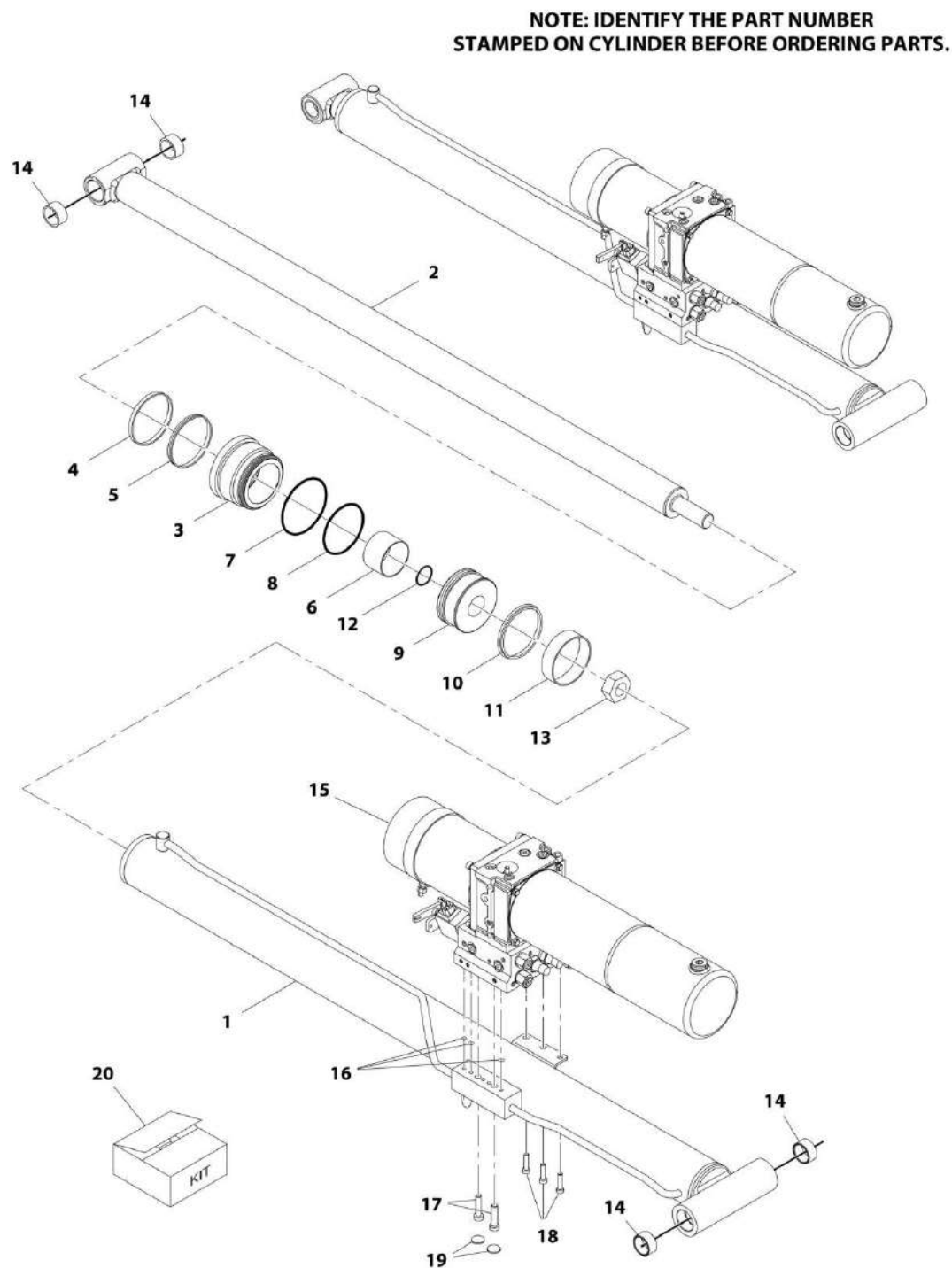
SECTION 5 - CYLINDER

FIGURE 5-7. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA)

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

SECTION 5 - CYLINDER

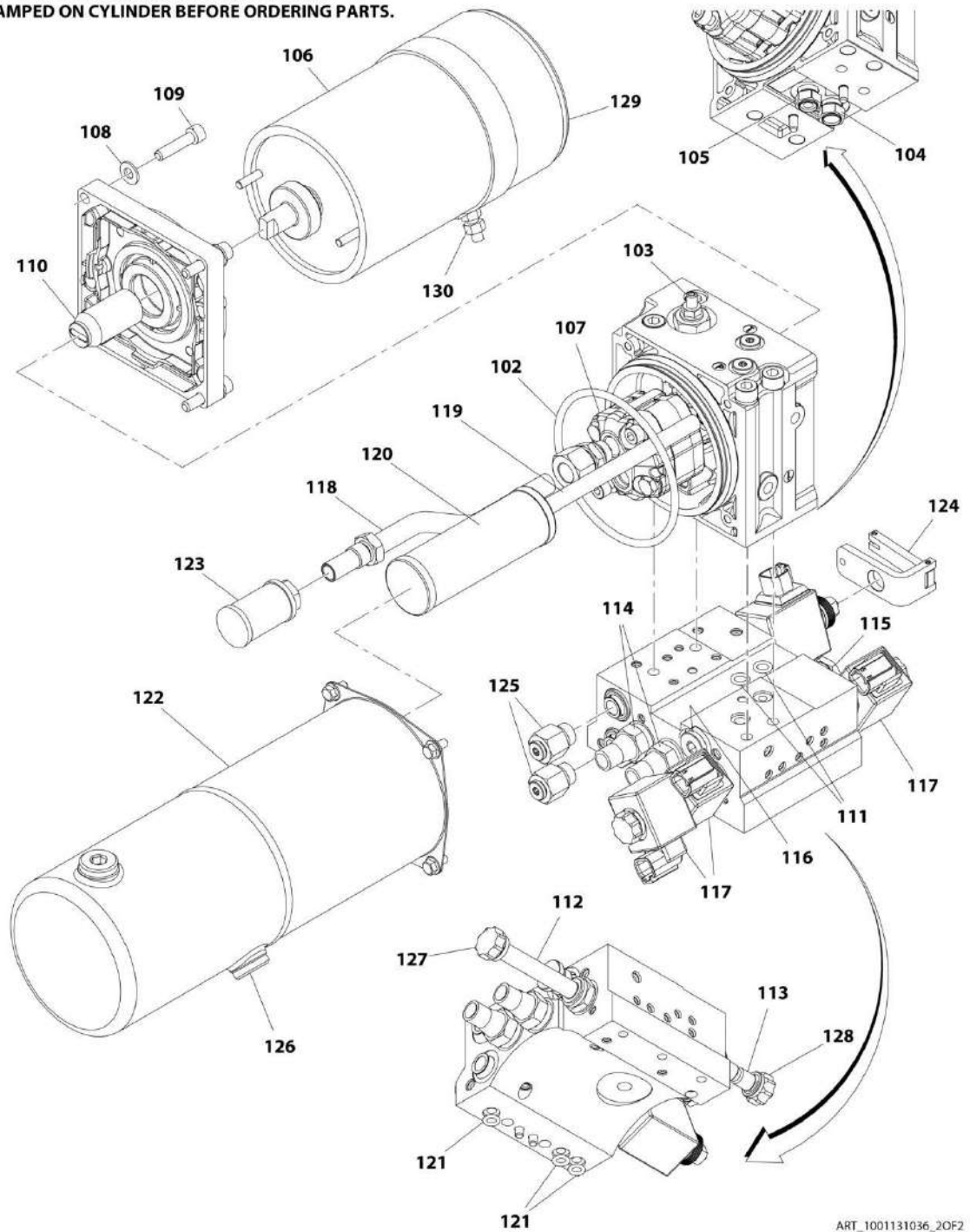
FIGURE 5-8. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC)



ART_1001131036_10F2

SECTION 5 - CYLINDER

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



ART_1001131036_2OF2

SECTION 5 - CYLINDER

FIGURE 5-8. LIFT CYLINDER ASSEMBLY - 2646ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC)

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

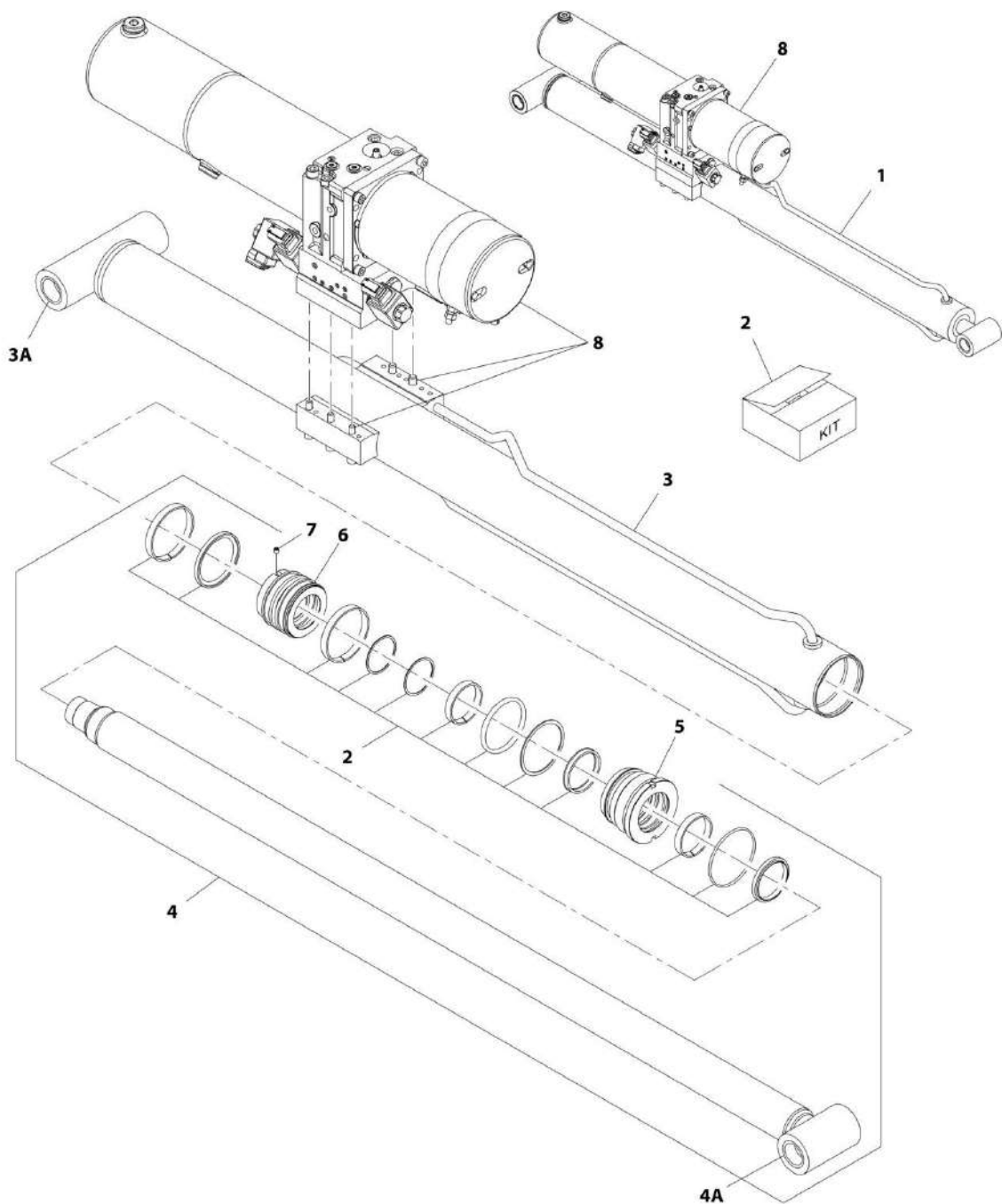
SECTION 5 - CYLINDER

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

SECTION 5 - CYLINDER

FIGURE 5-9. LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (SERTA)

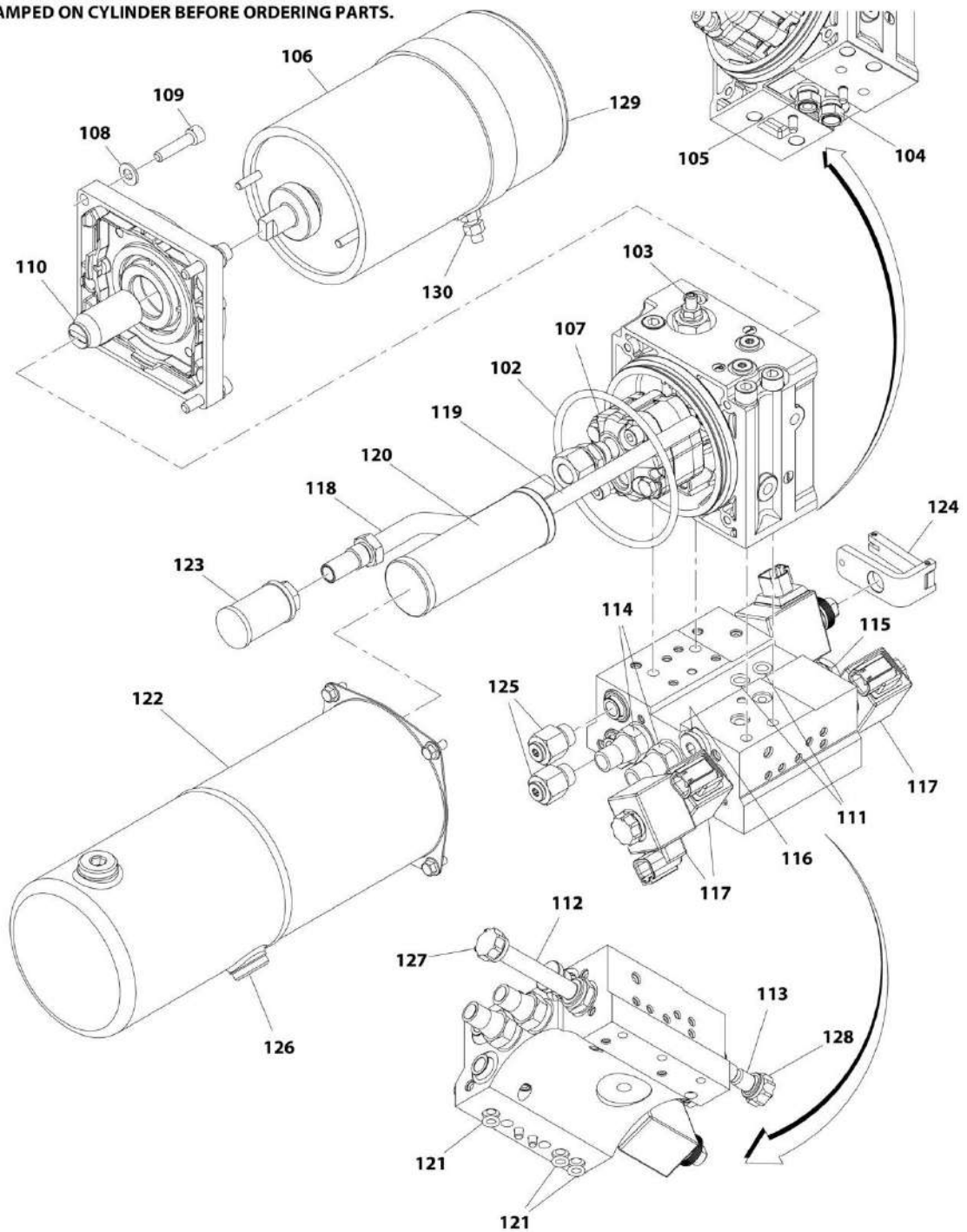
NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.



ART_1001155844_1OF2

SECTION 5 - CYLINDER

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



ART_1001155844_20F2

SECTION 5 - CYLINDER

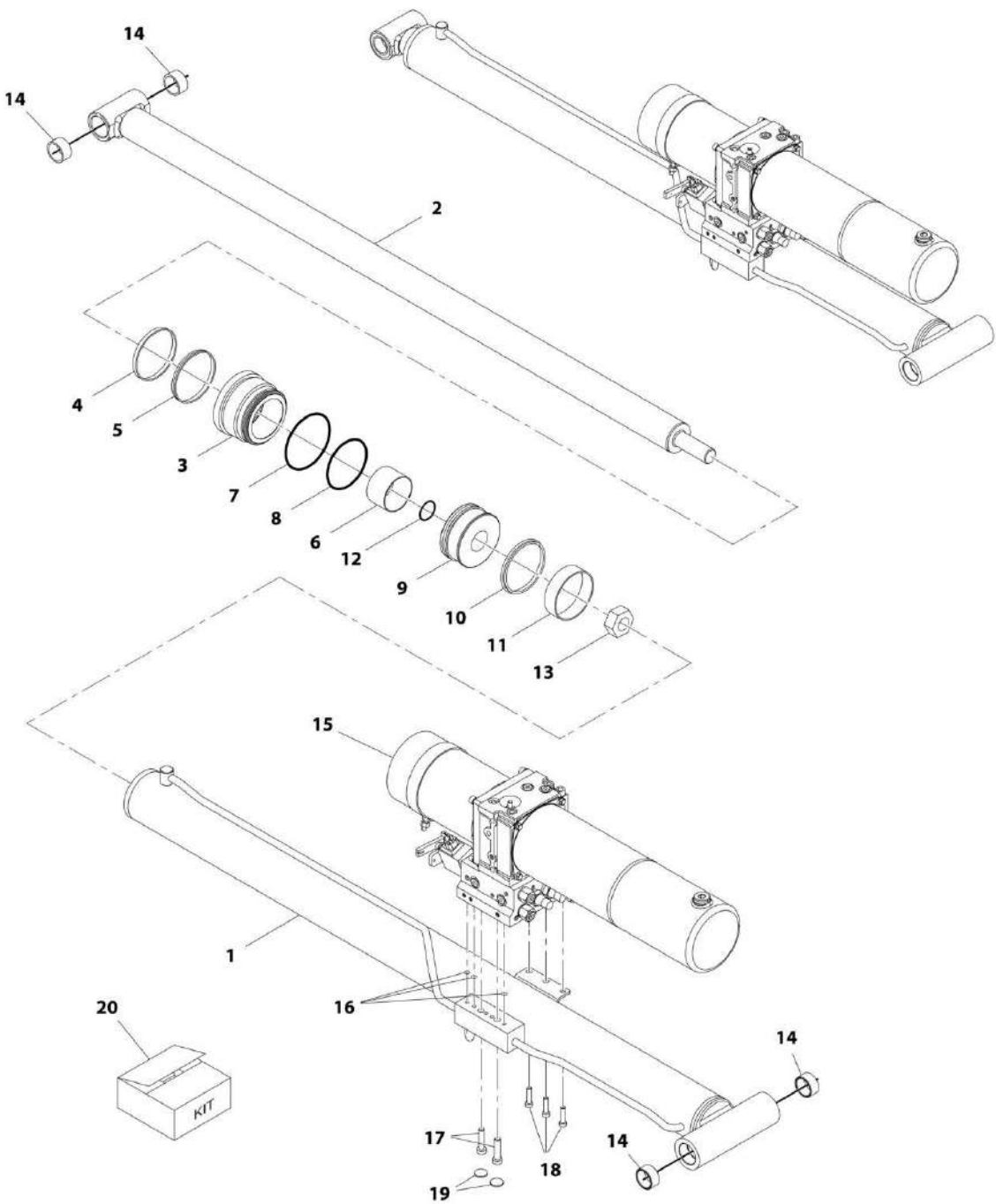
FIGURE 5-9. LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (SERTA)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155844	Ref	LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (SERTA)	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004737	1	Cylinder Assembly Less Powerpack	
2	70004736	1	Seal Kit	
3	70004735	1	Barrel (Includes Item 3A)	
3A	0962006	2	Bushing	
4	70004734	1	Rod (Includes Items 2, 4A, 5, 6 & 7)	
4A	0962181	2	Bushing	
5	70006092	1	Head, Cylinder	
6	70006091	1	Piston	
7	70020438	1	Screw	
8	70004953	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
		Ref	MOTOR/PUMP/TANK ASSEMBLIES	
	70004953	Ref	Motor/Pump/Tank Assembly	
102	70004914	1	O-Ring	
103	70004915	1	Cartridge, Valve (Main Relief)	
104	70004916	1	Cartridge, Valve (Breather Vacuum Check)	
105	70004917	1	Cartridge, Valve (Breather Pressure Check)	
106	70004980	1	Kit, Motor (Includes motor, flange and ring)	
107	70005233	1	Kit, Pump (Includes pump and hardware)	
108	70004974	4	Washer M8	
109	70004975	4	Capscrew M8 x 60	
110	70004973	1	Shaft Coupling	
111	70004925	2	O-Ring	
112	70003028	1	Cartridge, Solenoid Valve Less Coil (Steer)	
113	70004926	1	Cartridge, Solenoid Valve Less Coil (Lift)	
114	70004927	2	Cartridge, Valve (Steer Relief)	
115	70004585	1	Cartridge, Valve (Lift Check)	
116	70004928	1	Filter 300 micron	
117	70003707	3	Coil	
118	70004951	1	Pipe, Suction	
119	70004952	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005242	1	Kit, Tank (Includes tank, plug, "o"-ring and screws)	
123	70005235	1	Kit, Filter (Includes strainer and seal ring)	
124	70005236	1	Kit, Solenoid Valve (Includes solenoid, coil and lever)	
125	70005237	2	Kit, Fitting (Includes adapter, seal washer and plug)	
126	70004921	1	Plug	
127	70004654	1	Nut, Coil (for Item #112)	
128	70005238	1	Nut, Retaining (for Item #113)	
129	70004971	1	Kit, Brush	
130	70004972	1	Nut M8	

SECTION 5 - CYLINDER

FIGURE 5-10. LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (SH-PAC)

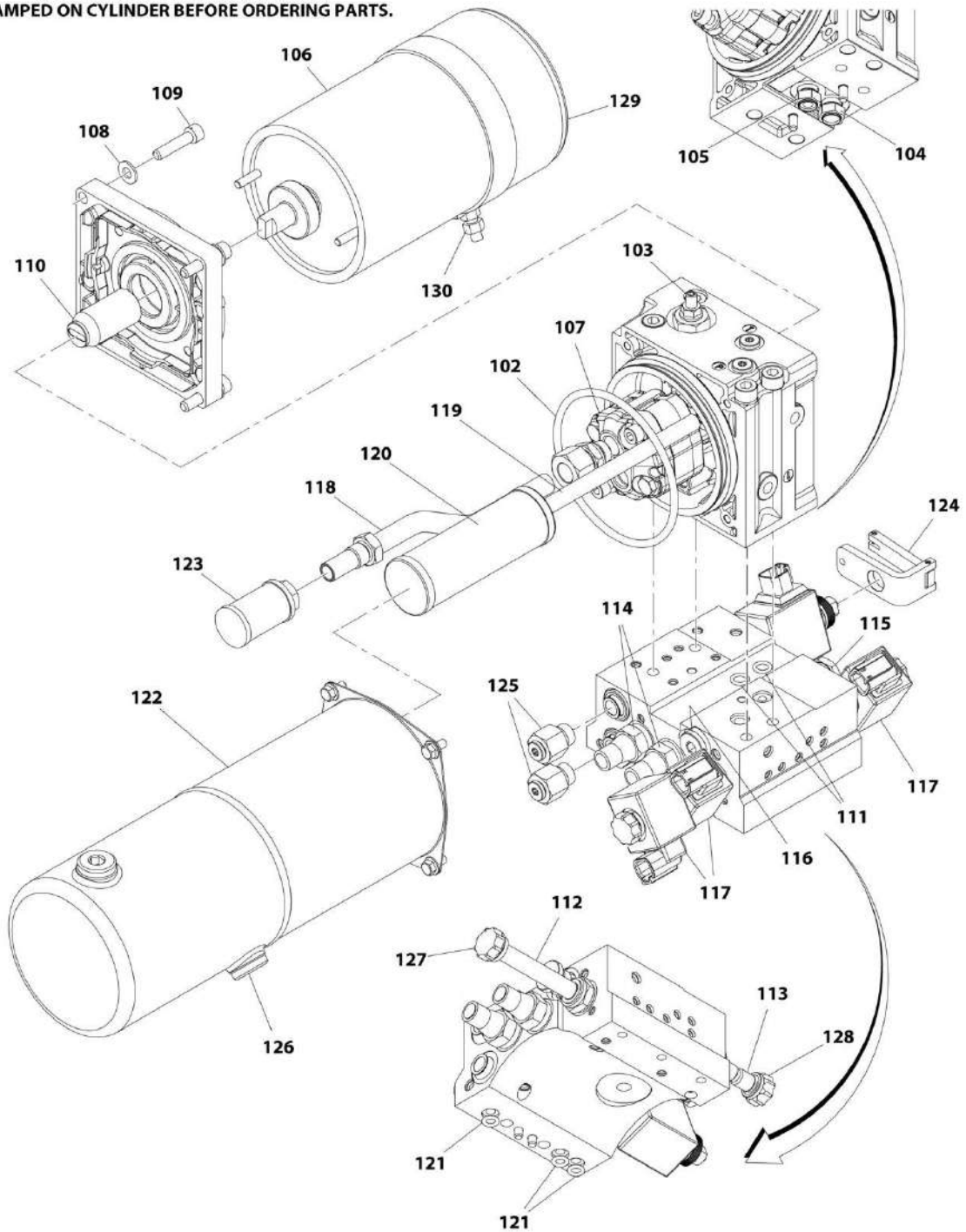
NOTE: IDENTIFY THE PART NUMBER
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SECTION 5 - CYLINDER

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



ART_1001129292_2OF2

SECTION 5 - CYLINDER

FIGURE 5-10. LIFT CYLINDER ASSEMBLY - 3246ES WITH STANDARD HYDRAULIC OIL (SH-PAC)

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

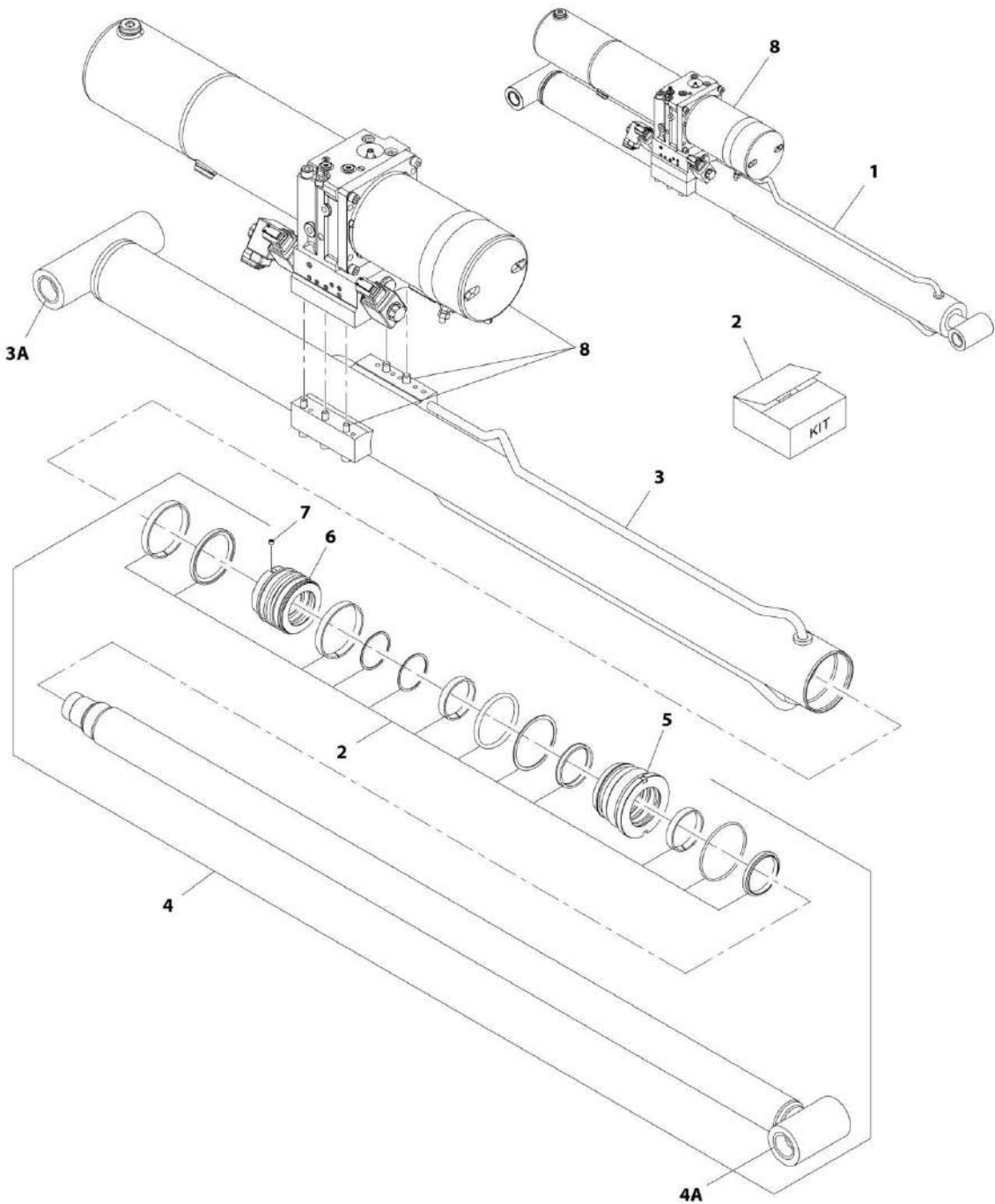
SECTION 5 - CYLINDER

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

SECTION 5 - CYLINDER

FIGURE 5-11. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA)

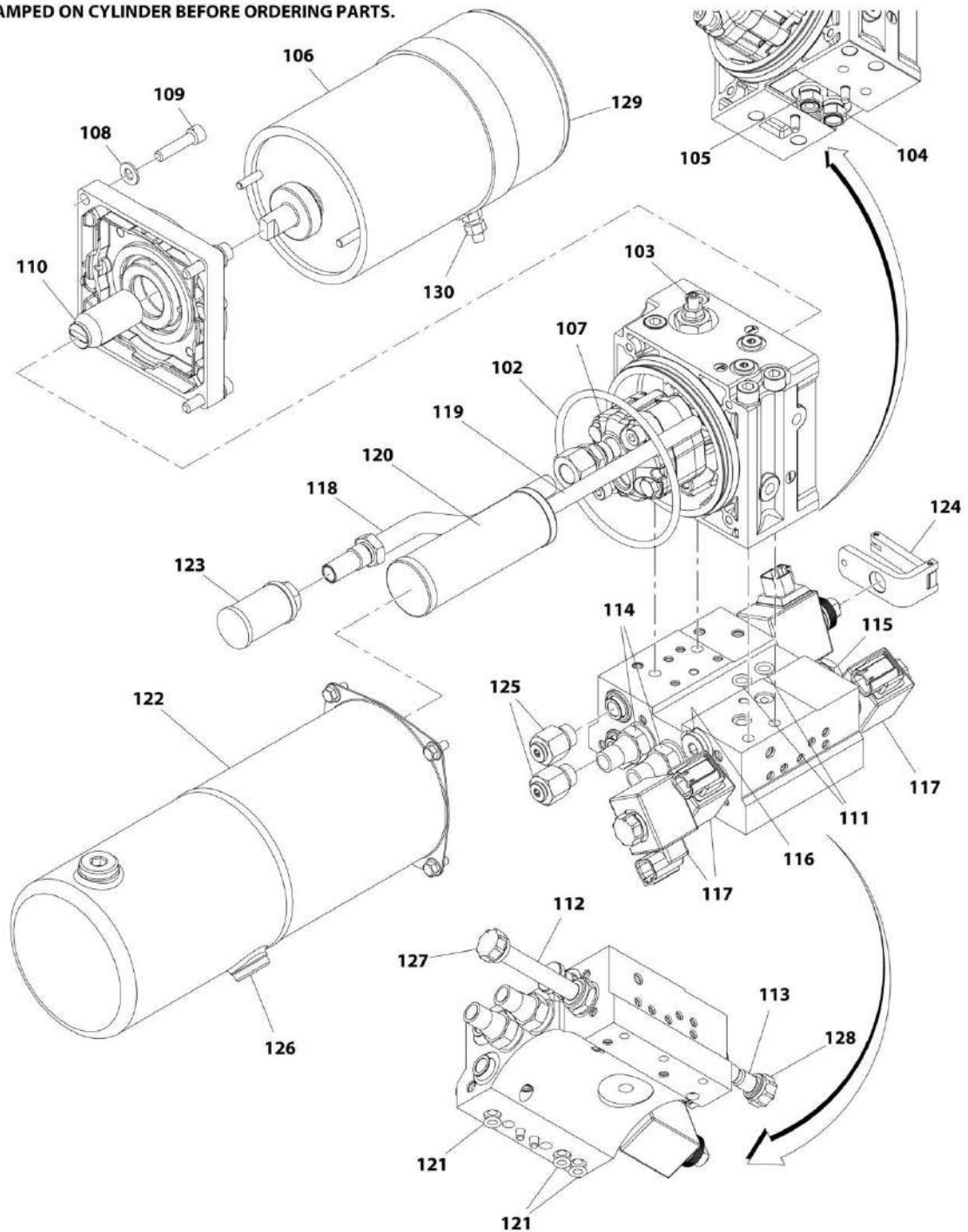
NOTE: IDENTIFY THE PART NUMBER
STAMPED ON CYLINDER BEFORE ORDERING PARTS.



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SECTION 5 - CYLINDER

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



ART_1001157333_2OF2

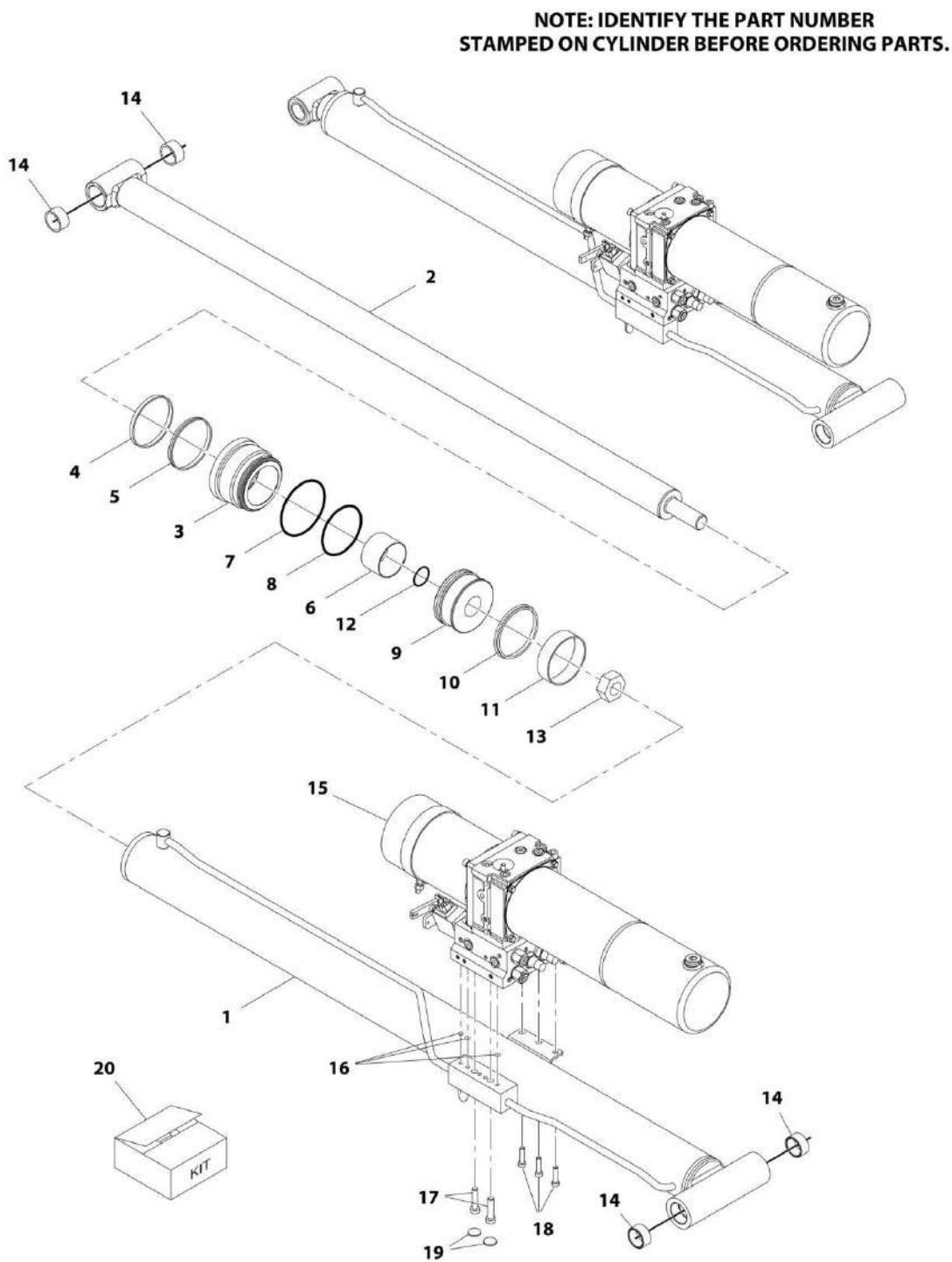
SECTION 5 - CYLINDER

FIGURE 5-11. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SERTA)

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

SECTION 5 - CYLINDER

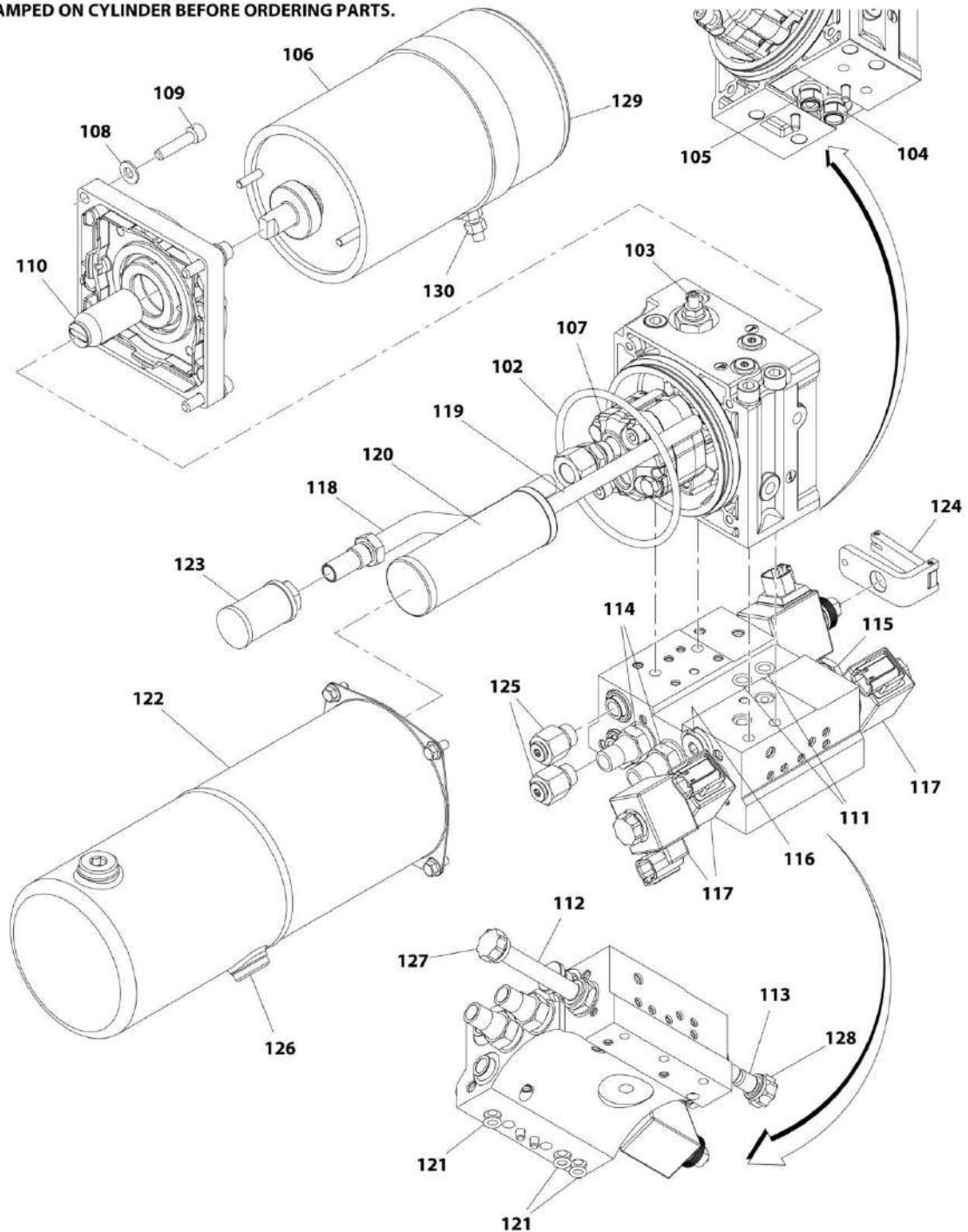
FIGURE 5-12. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC)



ART_1001131037_10F2

SECTION 5 - CYLINDER

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



ART_1001131037_20F2

SECTION 5 - CYLINDER

FIGURE 5-12. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC)

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

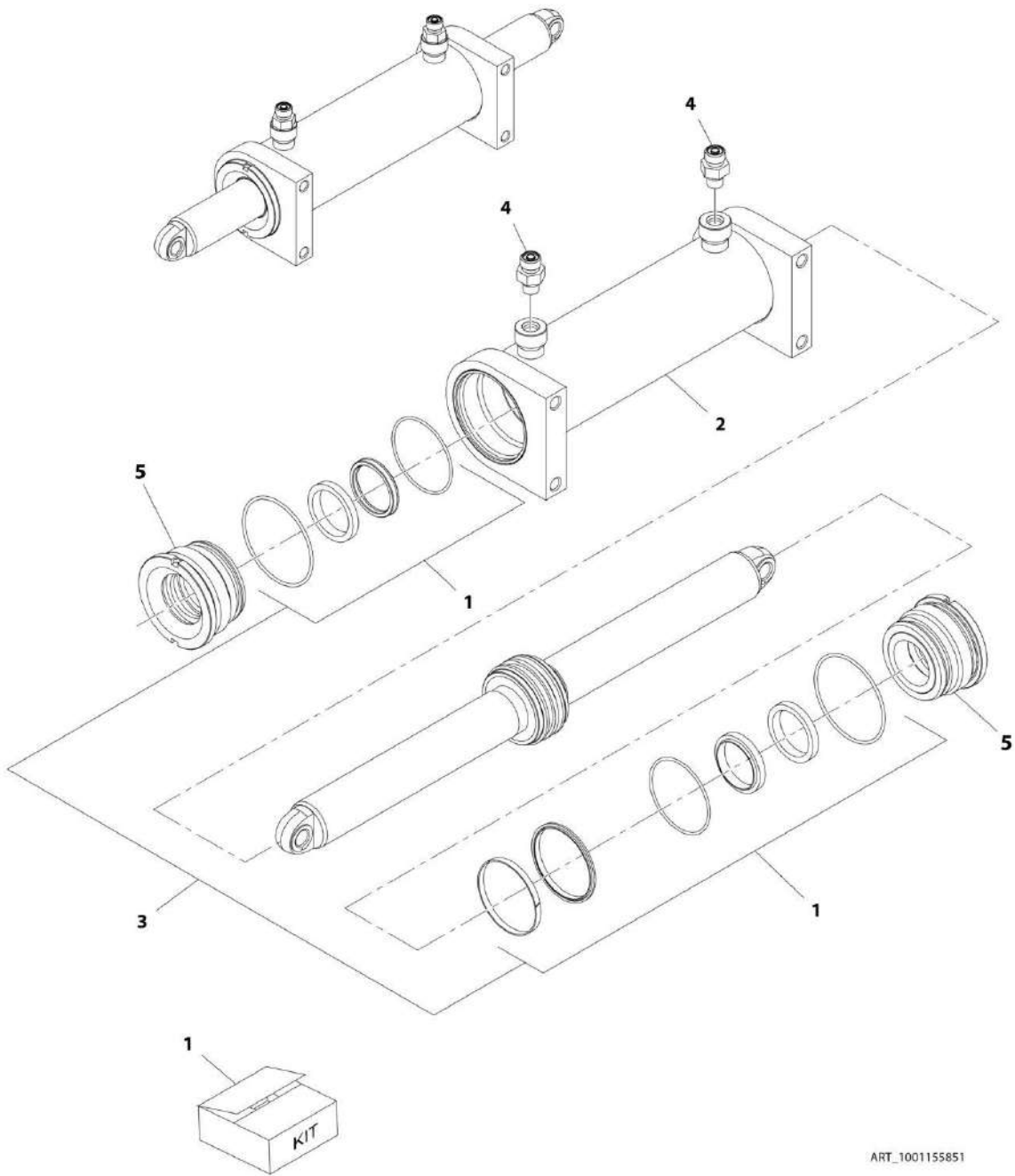
SECTION 5 - CYLINDER

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

SECTION 5 - CYLINDER

FIGURE 5-13. STEER CYLINDER ASSEMBLY (SERTA)

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



ART_1001155851

SECTION 5 - CYLINDER

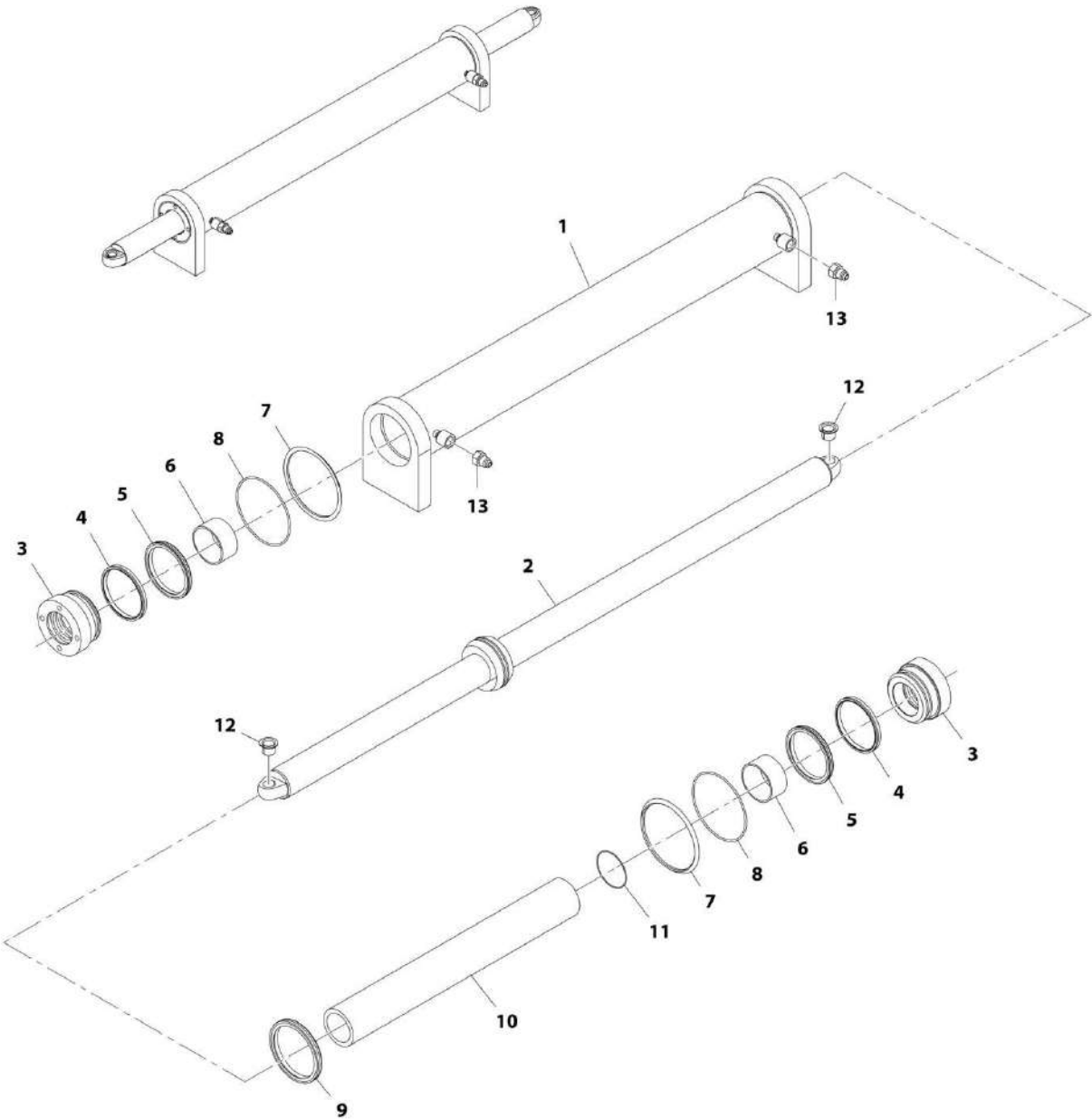
FIGURE 5-13. STEER CYLINDER ASSEMBLY (SERTA)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155851	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	70004784	1	Seal Kit - Cylinder	
2	70004783	1	Barrel, Cylinder	
3	70004782	1	Rod, Cylinder	
4	2110404	2	Fitting, Straight ORFS/ORB	
5	70006342	2	Head	

SECTION 5 - CYLINDER

FIGURE 5-14. STEER CYLINDER ASSEMBLY (SH-PAC)

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



ART_1001129268

SECTION 5 - CYLINDER

FIGURE 5-14. STEER CYLINDER ASSEMBLY (SH-PAC)

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

SECTION 6 - HYDRAULIC

SECTION 6 - HYDRAULIC

FIGURE 6-1. HYDRAULIC DIAGRAM LIST

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

SECTION 7 - ELECTRICAL

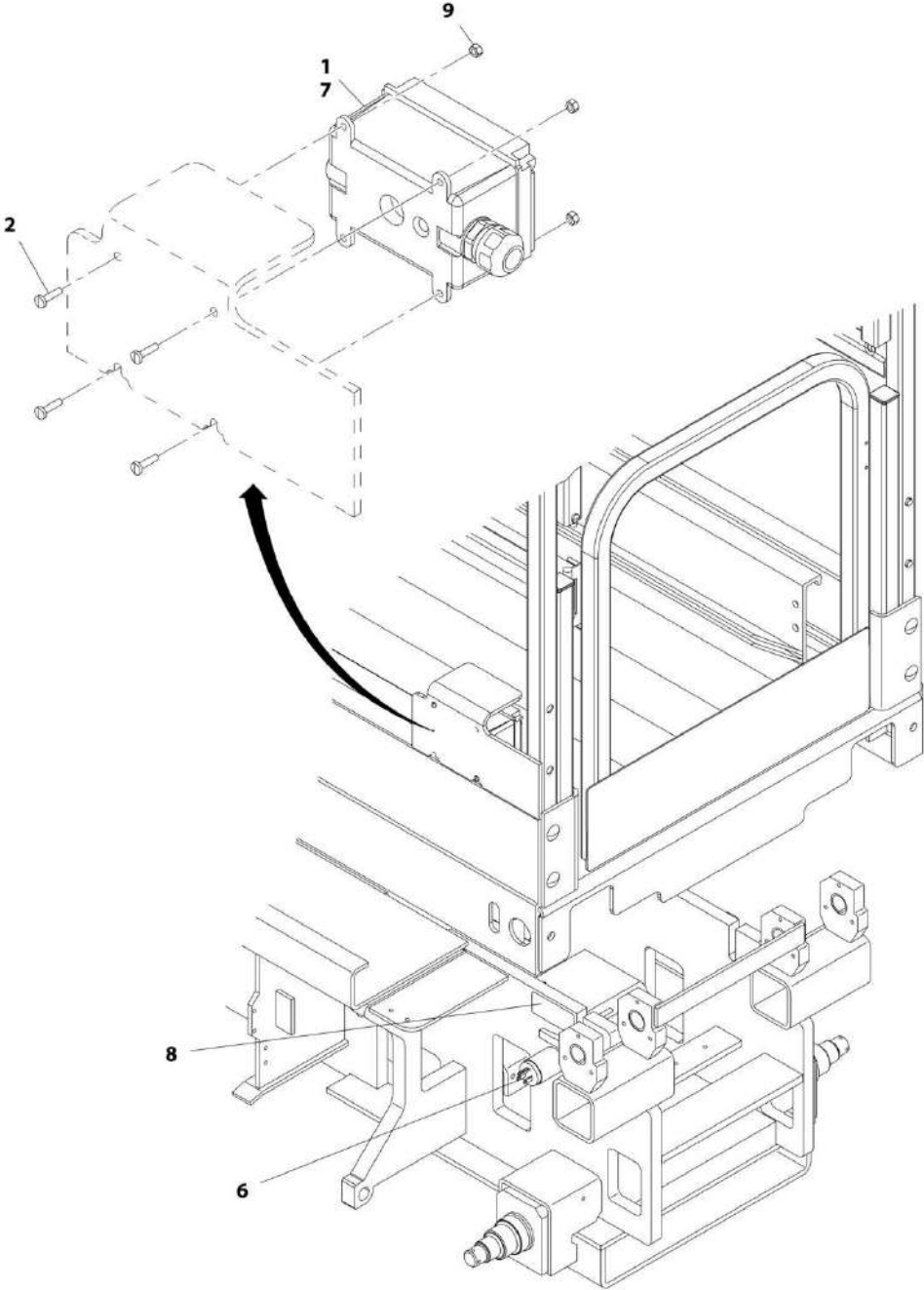
SECTION 7 - ELECTRICAL

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)	
	1001096628	Ref	AC to Platform Electrical Diagram - (Dual) 220V CEE7 Side Ground (CE Spec Only) - 2646ES	
	1001166759	Ref	Electrical Schematic (Not Shown - See Service Manual)	

SECTION 7 - ELECTRICAL

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



ART_0272839

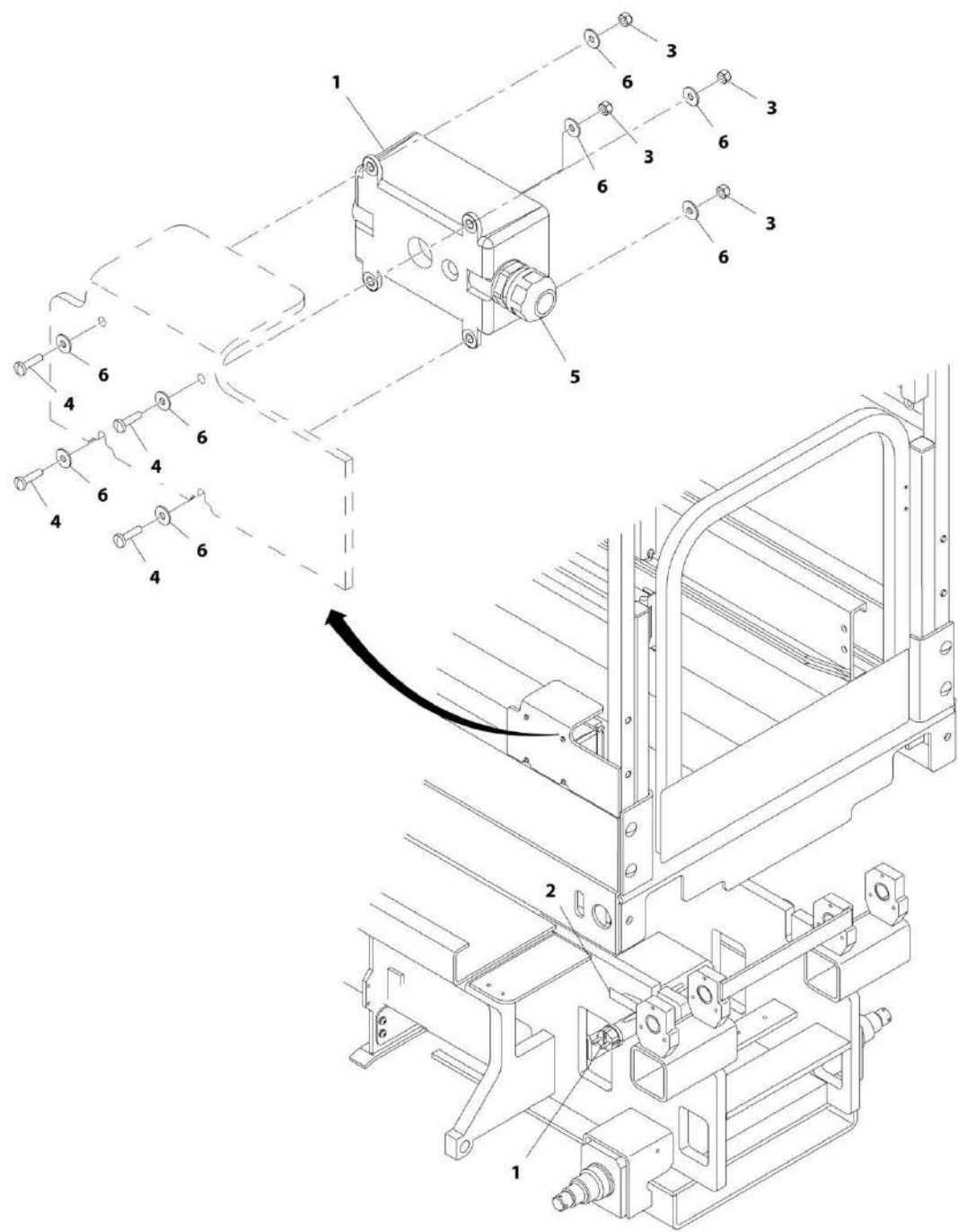
SECTION 7 - ELECTRICAL

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 GRD (ANSI EXPORT SPEC ONLY)



ART_1001162447

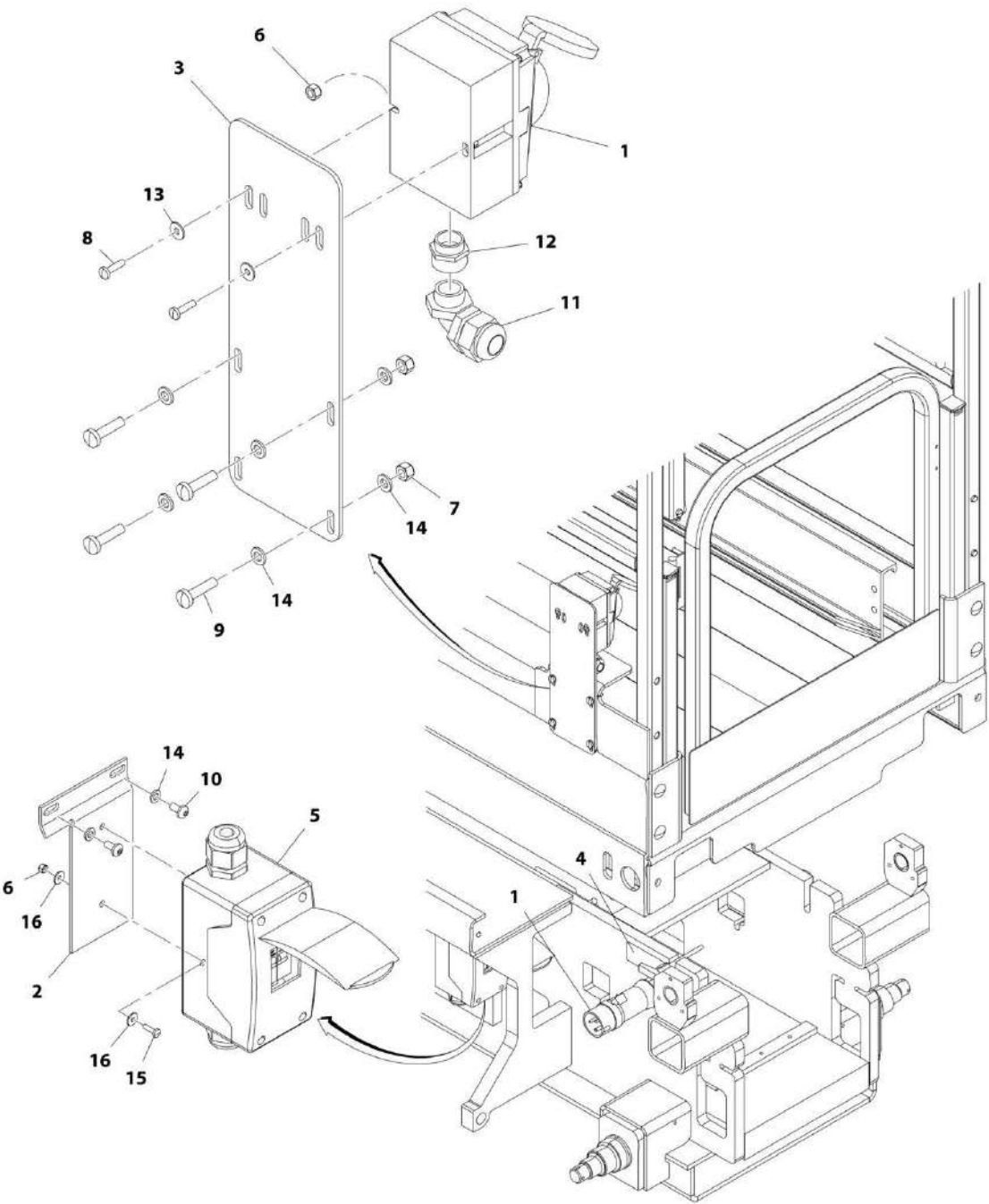
SECTION 7 - ELECTRICAL

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211593	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD (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

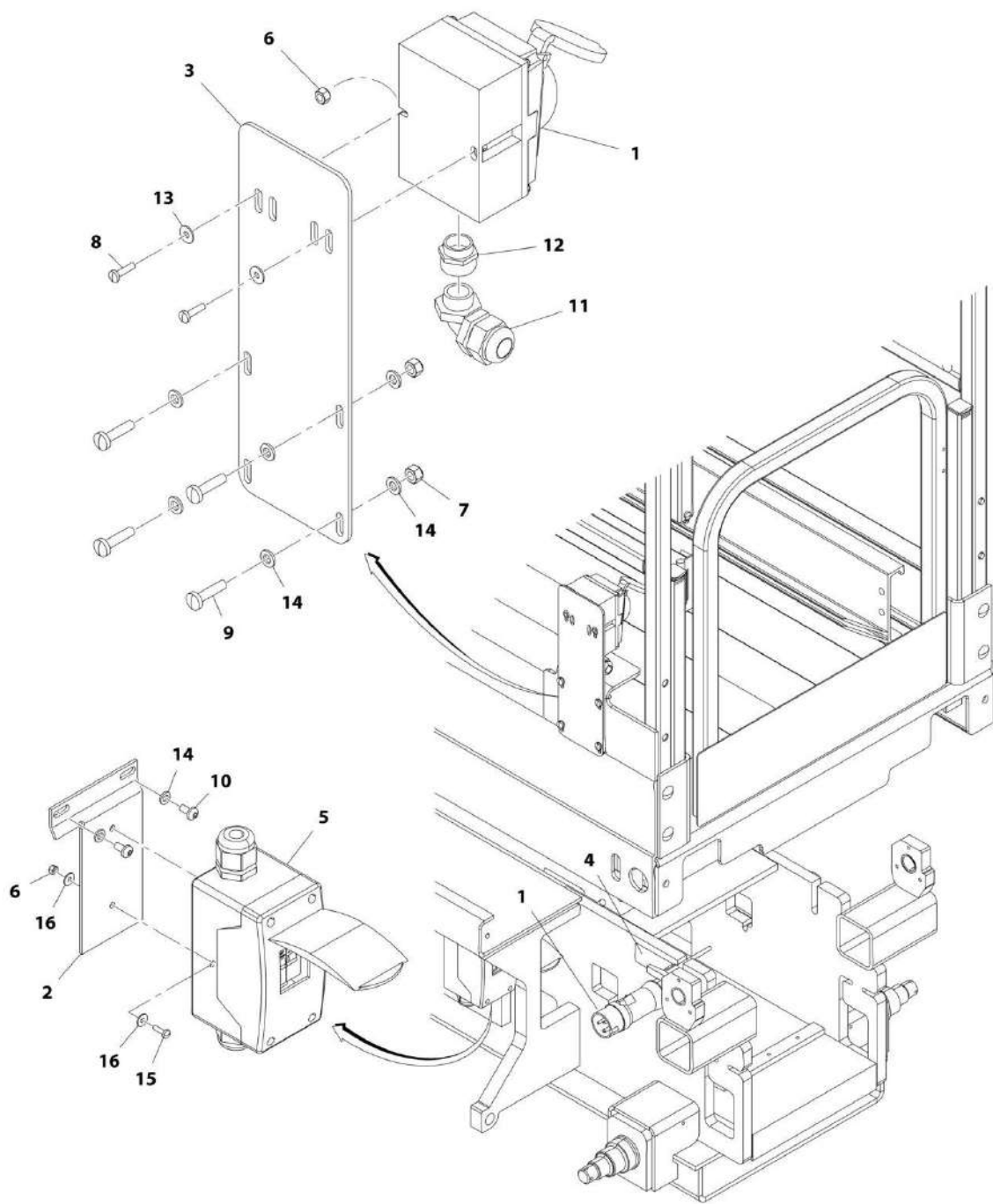
SECTION 7 - ELECTRICAL

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 PLATFORM 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

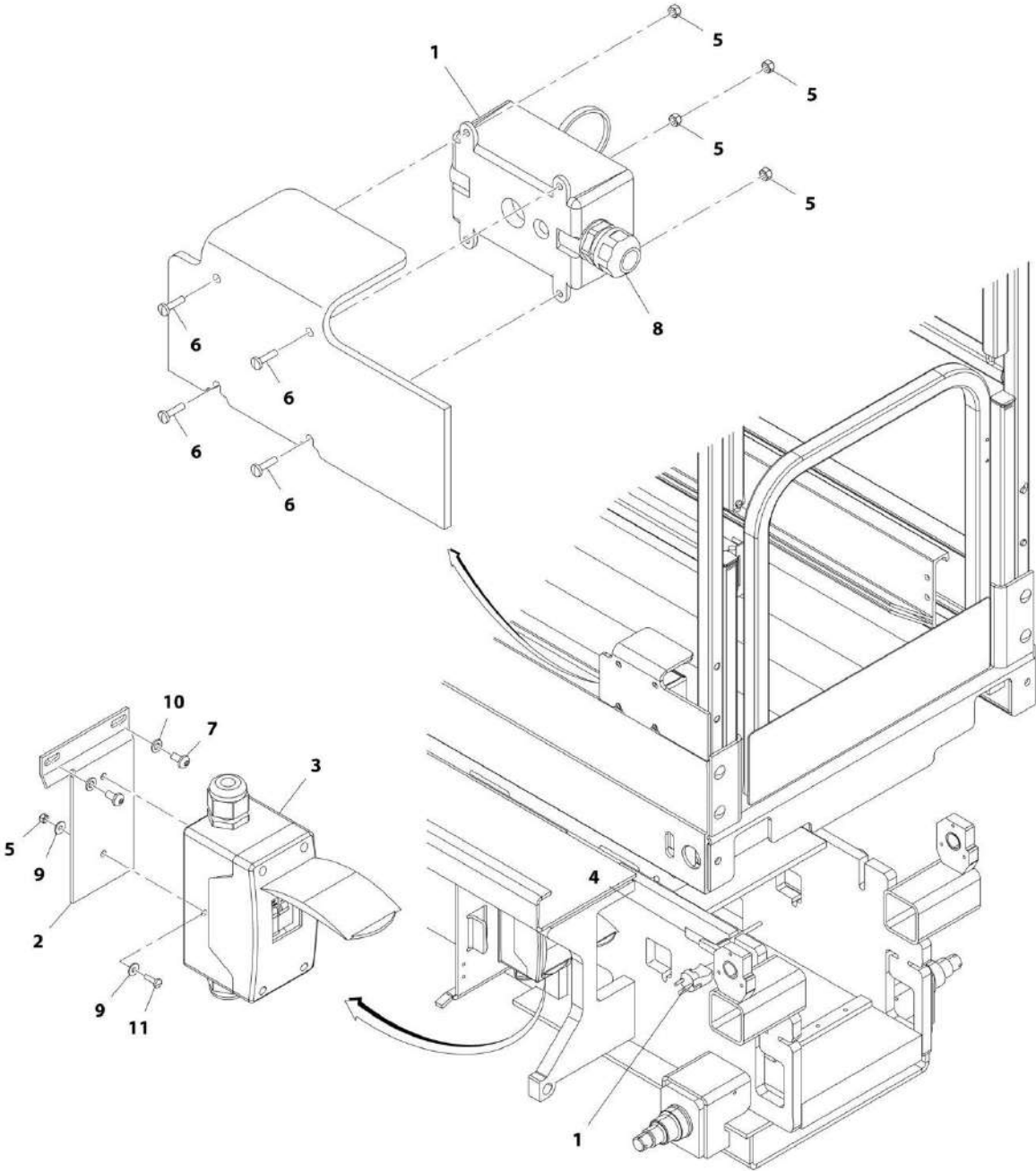
SECTION 7 - ELECTRICAL

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

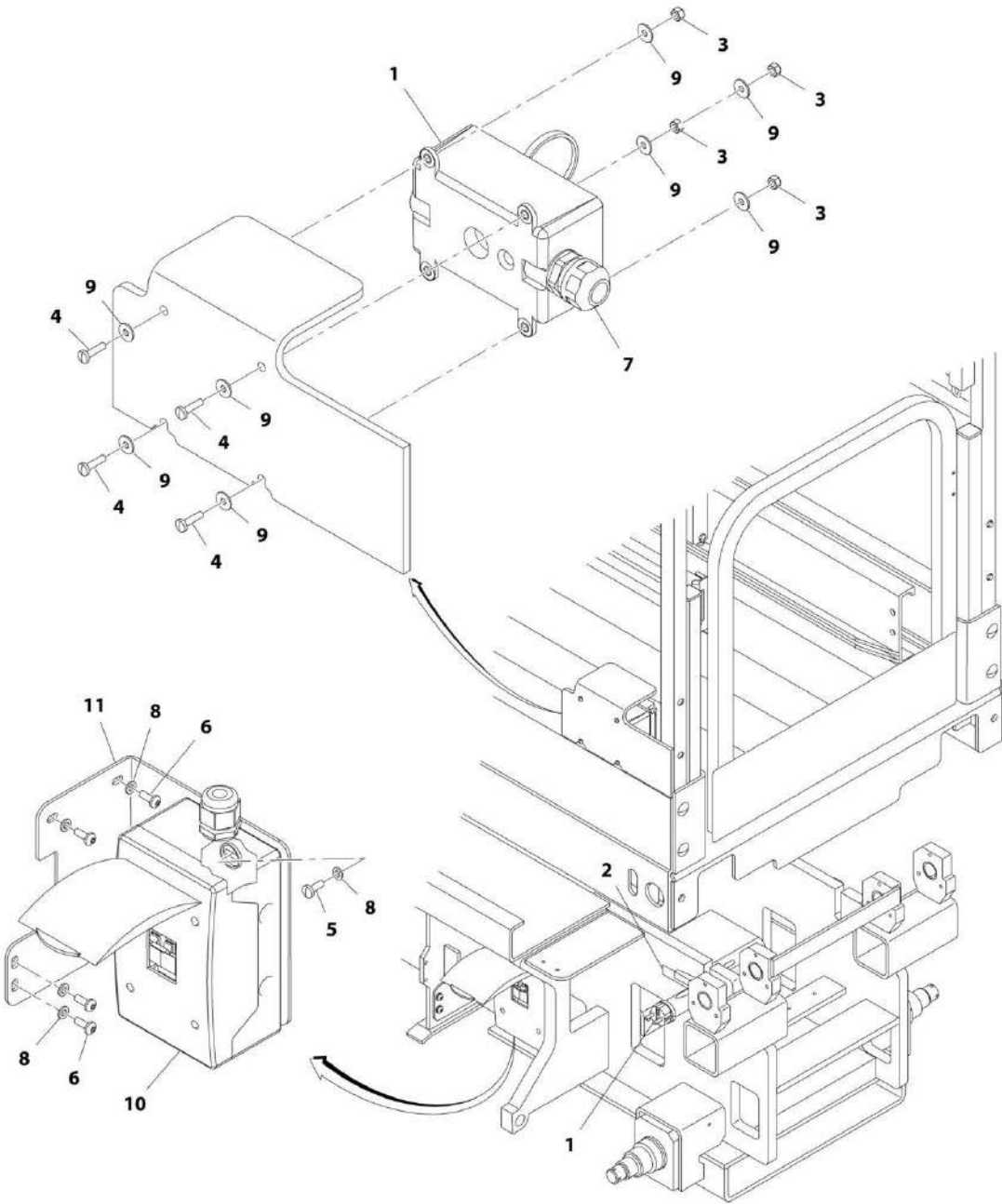
SECTION 7 - ELECTRICAL

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	Screw M4 x 14	

SECTION 7 - ELECTRICAL

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



ART_1001162447

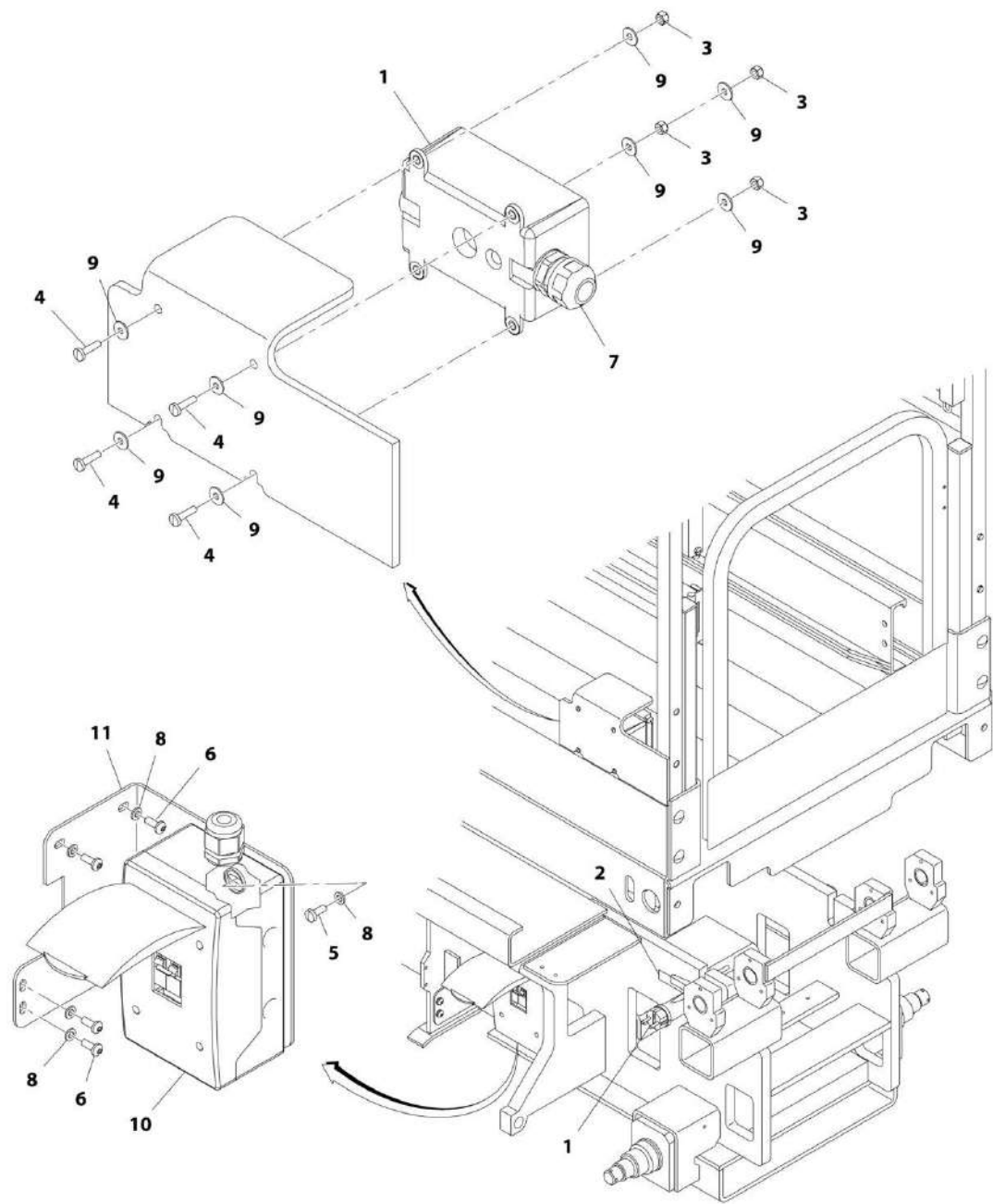
SECTION 7 - ELECTRICAL

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

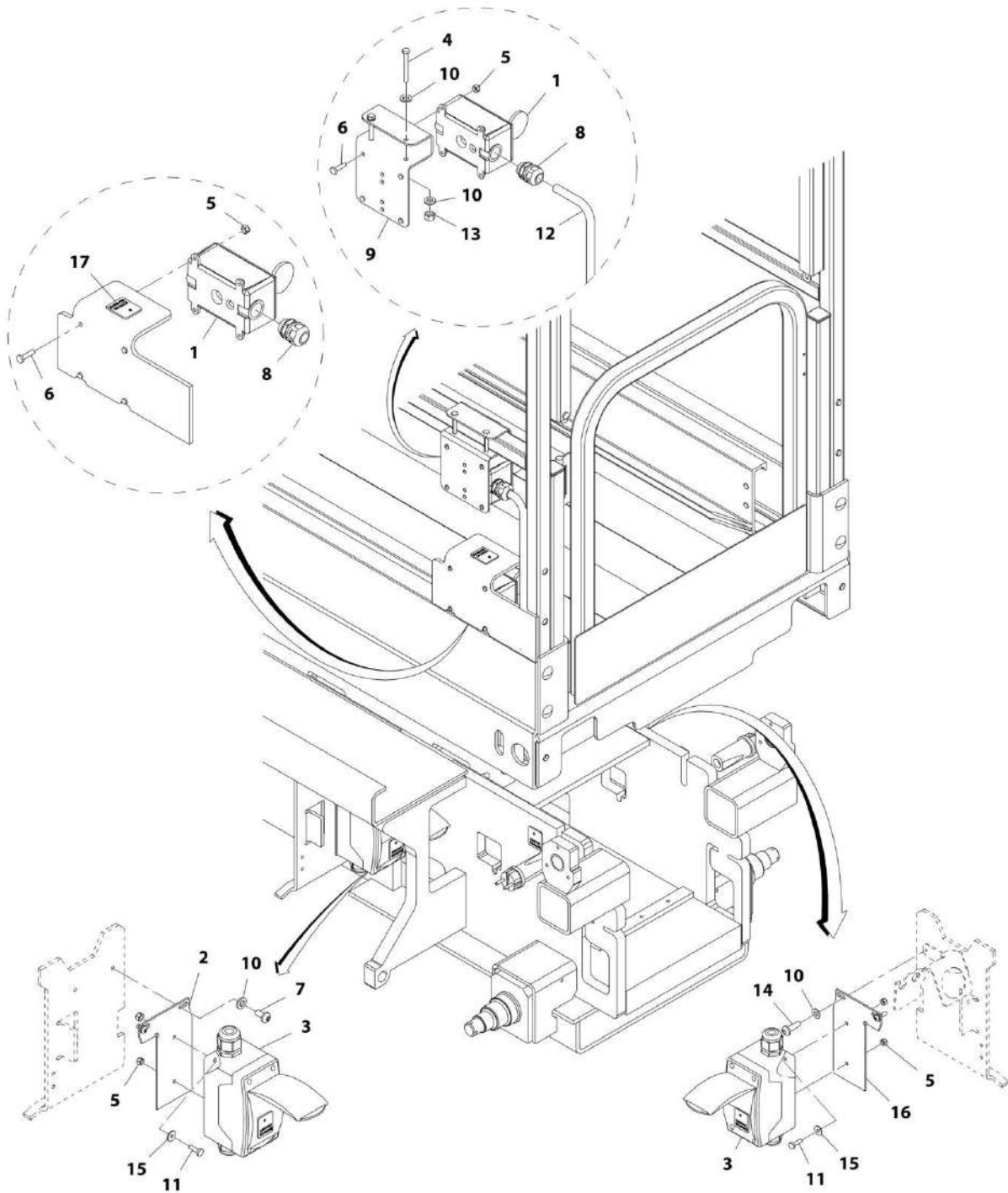
SECTION 7 - ELECTRICAL

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 CEE7 SIDE GRD - DUAL OUTLET (CE SPEC - 2646ES ONLY)



ART_1001096628

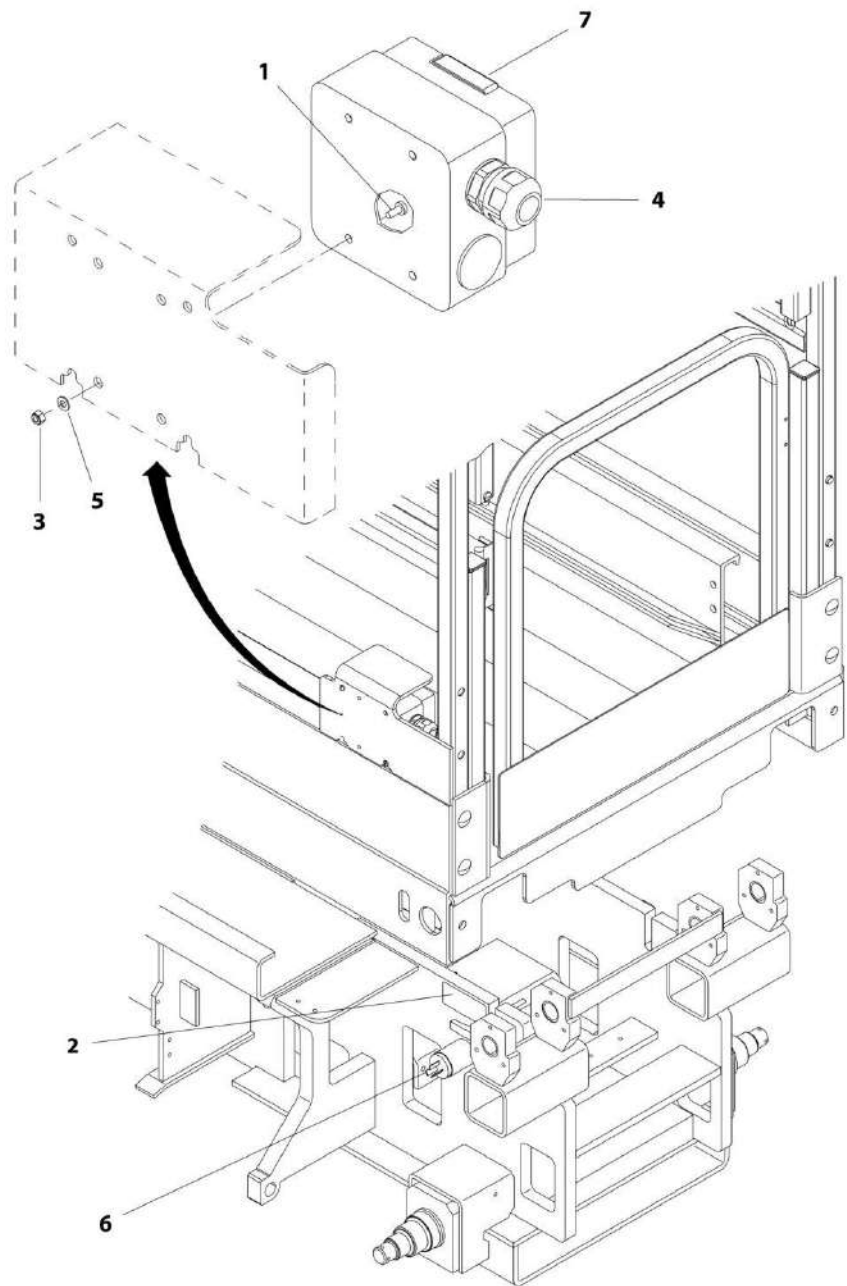
SECTION 7 - ELECTRICAL

FIGURE 7-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD - DUAL OUTLET (CE SPEC - 2646ES ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096628	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GRD - DUAL OUTLET (CE SPEC - 2646ES ONLY)	C
1	0275453	2	Receptacle Box Kit - 220V CEE7 Side Ground (See RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND for Breakdown)	
2	0903566	1	Bracket	
3	2902541	2	Breaker Box Kit (See BREAKER BOX KIT WITH TWO BREAKERS - CE SPEC ONLY for Breakdown)	
4	0760619	2	Bolt M6 x 55	
5	3290405	12	Nut M4	
6	4010408	8	Screw M4 x 16	
7	4191706	2	Screw M6 x 12	
8	4460662	2	Connector, Strain Relief	
9	0903484	1	Bracket	
10	4811700	8	Washer M6	
11	1001101540	4	Screw M4 x 14	
12	1060908	46 ft/14m	Cable, 12/3	
13	3290607	2	Nut M6	
14	4191708	2	Screw M6 x 20	
15	1001091102	4	Washer M4	
16	1001096627	1	Bracket	
17	1001096926	3	Decal - 220V-50/60Hz	

SECTION 7 - ELECTRICAL

FIGURE 7-10. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI EXPORT AND CHINESE SPECS ONLY)



ART_1001198711

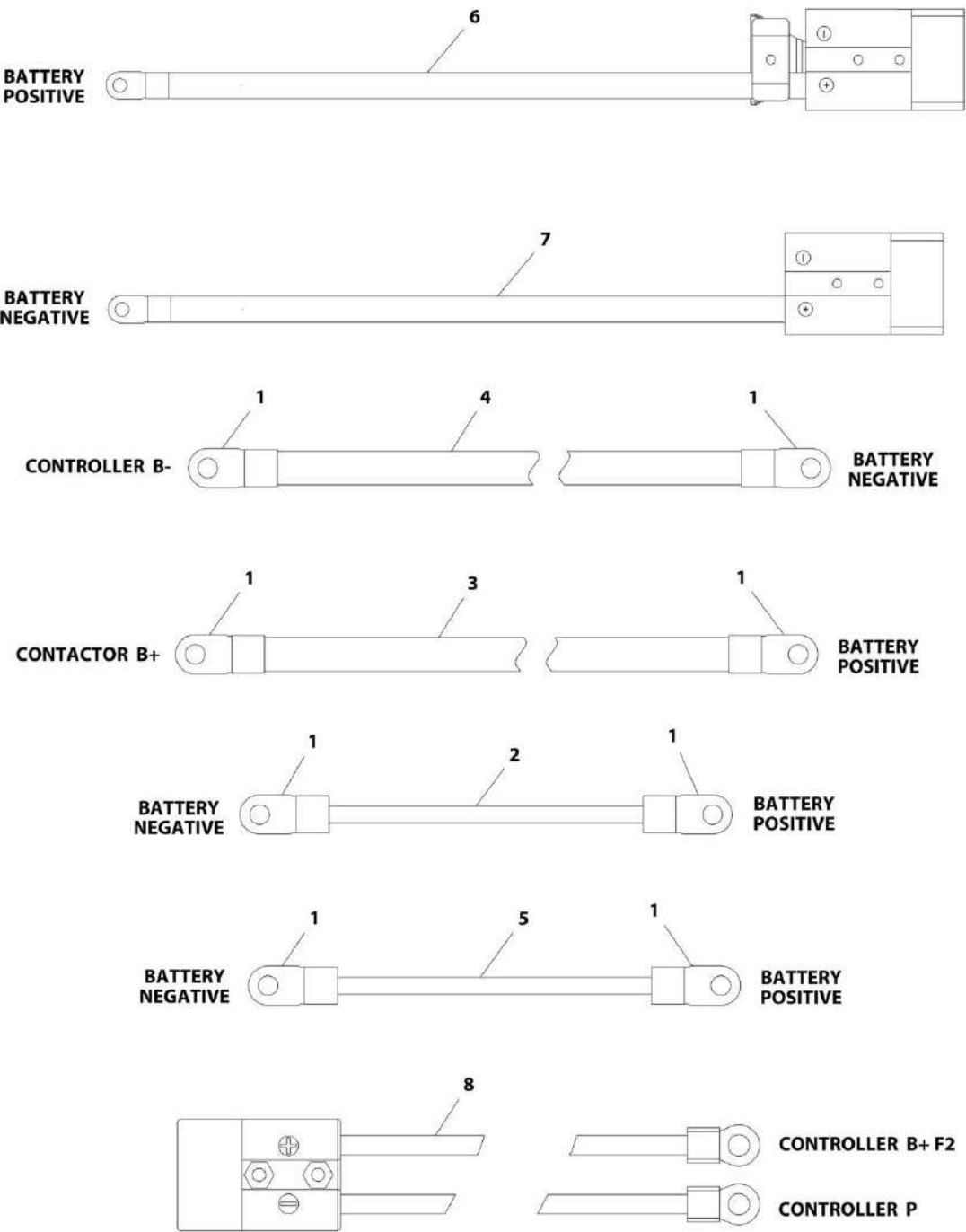
SECTION 7 - ELECTRICAL

FIGURE 7-10. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI EXPORT AND CHINESE SPECS ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001198711	Ref	AC BOX AT PLATFORM INSTALLATION - 220V (ANSI EXPORT AND CHINESE SPECS ONLY)	B
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 7-11. BATTERY CABLE KIT



ART_1001178539

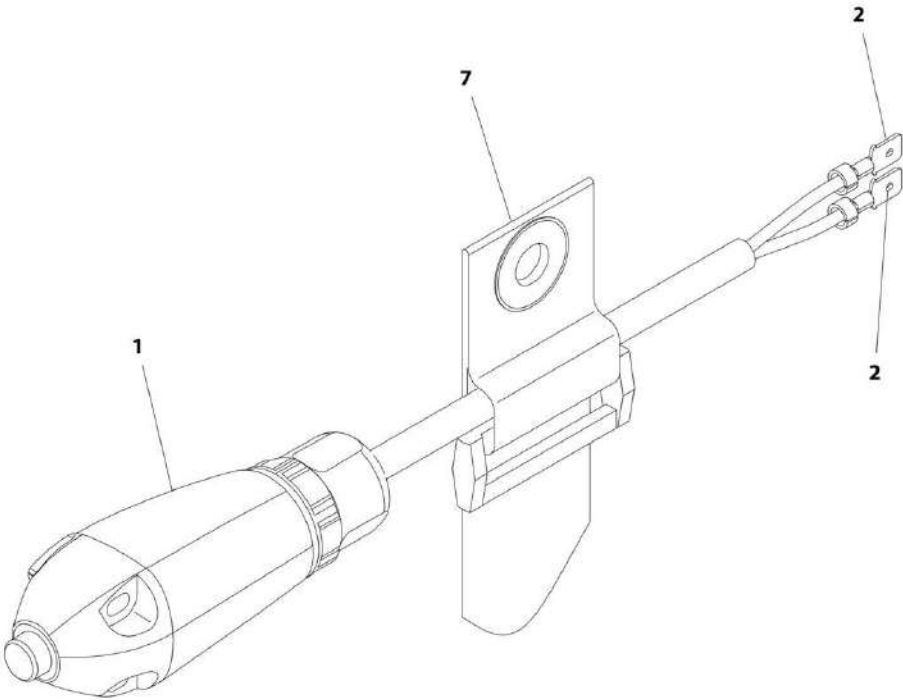
SECTION 7 - ELECTRICAL

FIGURE 7-11. BATTERY CABLE KIT

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

SECTION 7 - ELECTRICAL

FIGURE 7-12. BRAKE DISCONNECT HARNESS



ART_4922944

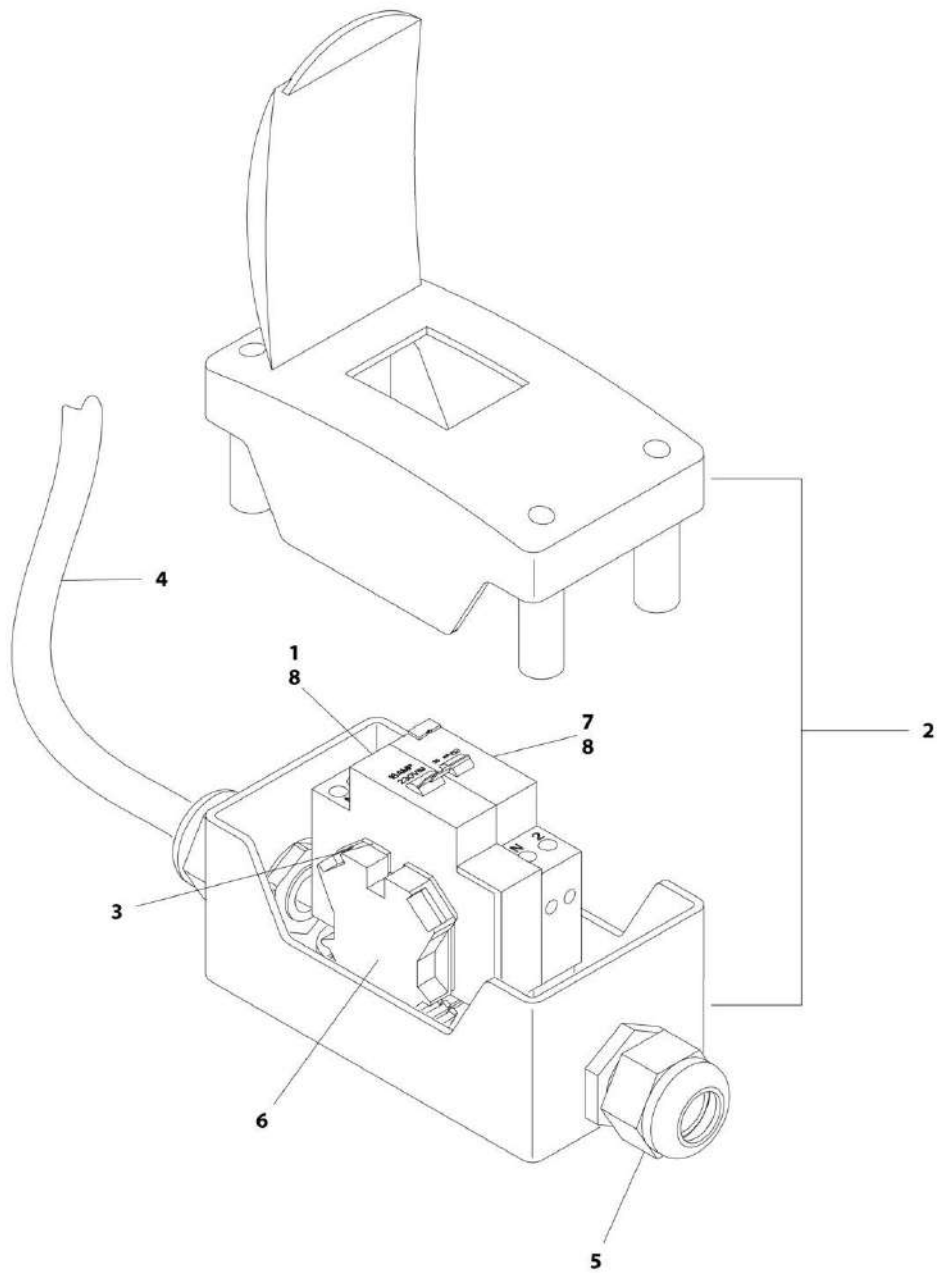
SECTION 7 - ELECTRICAL

FIGURE 7-12. 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 7-13. BREAKER BOX KIT WITH TWO BREAKERS (CE SPEC ONLY)



ART_2902541

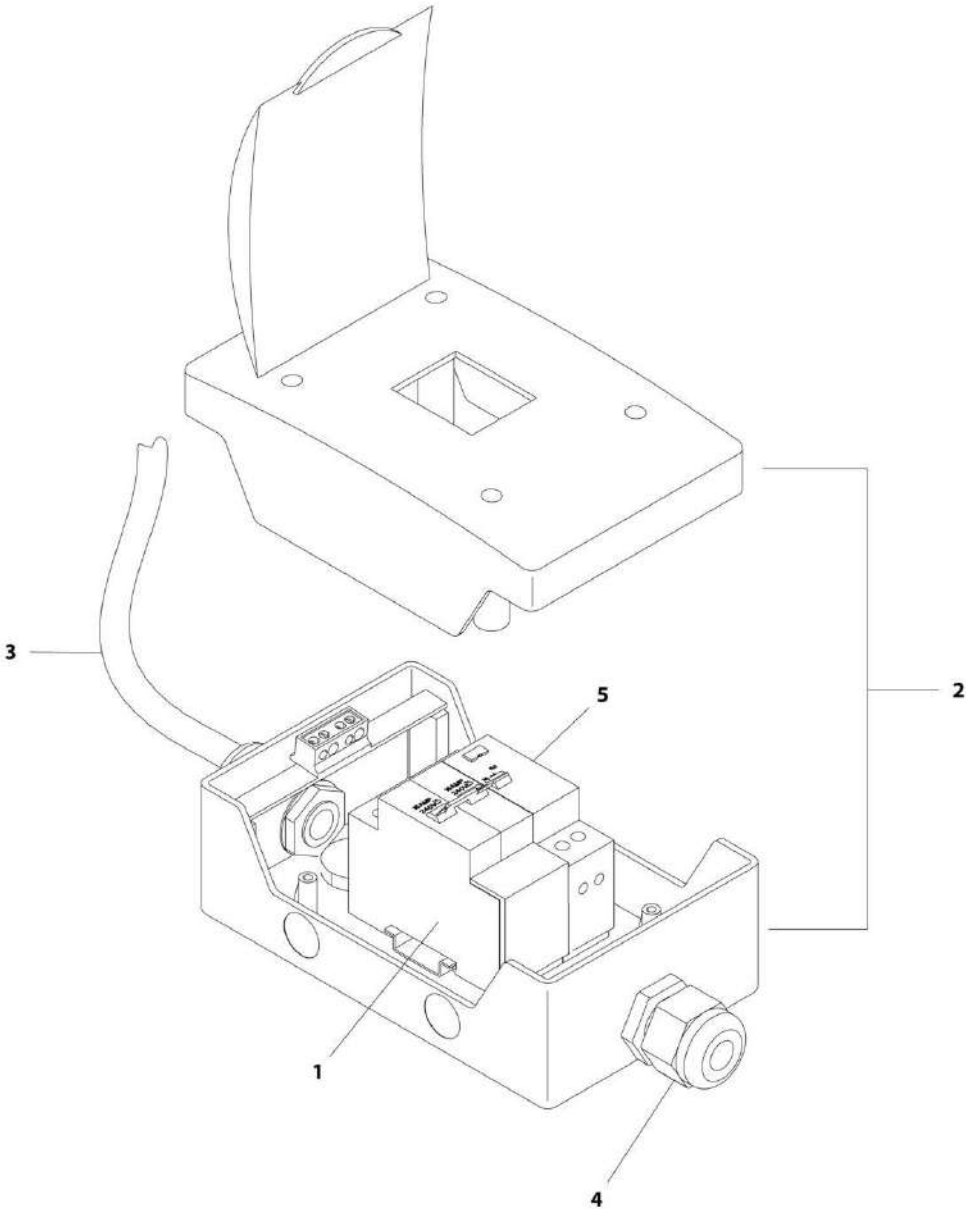
SECTION 7 - ELECTRICAL

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2902541 1001109475	Ref NLA	BREAKER BOX KIT WITH TWO BREAKERS (CE SPEC ONLY) Breaker, 16Amp (Use p/n 1001181045) (SN 0200239382 through 0200245768, SN B200020297 through B200022928)	G
2	0861880	1	Box	
3	4460956	1	Barrier, Terminal	
4	1060908	4.6 ft /1.4m	Cable, 12/3	
5	1001097150	2	Connector, Strain Relief	
6	4460957	1	Block, Terminal	
7	1001109482	NLA	Breaker, 30mA (Use p/n 1001181045) (SN 0200239382 through 0200245768, SN B200020297 through B200022928)	
8	1001181045	1	Breaker, 16A/30mA Combination (SN 0200245769 to Present, SN 1200025021 to Present, SN B200022929 to Present, SN M200000100 to Present)	

SECTION 7 - ELECTRICAL

FIGURE 7-14. BREAKER BOX KIT WITH THREE BREAKERS (CE SPEC ONLY)



ART_1001152485

SECTION 7 - ELECTRICAL

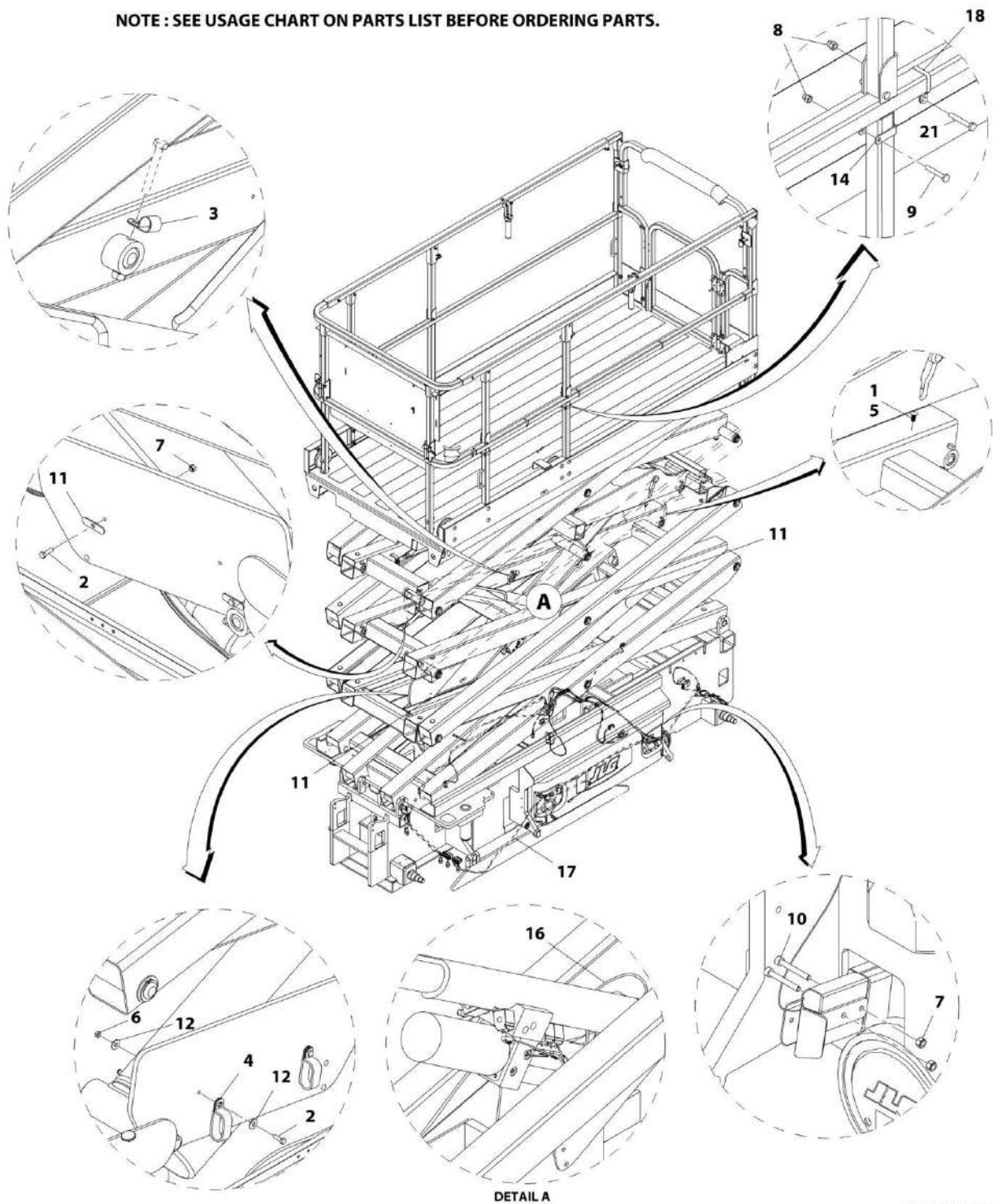
FIGURE 7-14. BREAKER BOX KIT WITH THREE BREAKERS (CE SPEC ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001152485	Ref	BREAKER BOX KIT WITH THREE BREAKERS (CE SPEC ONLY)	D
	1001152479	NLA	Breaker 16Amp Double (Use p/n 1001189172) (SN 0200239382 through 0200248240, SN B200020297 through B200024263, SN M200000100 through M200000139)	
1	1001189172	1	Breaker 16Amp Double (SN 0200248241 to Present, SN 1200025021 to Present, SN B200024264 to Present, SN M200000140 to Present)	
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 B200024263, SN M200000100 through M200000139)	
5	1001189171	1	Breaker, 30mA (SN 0200248241 to Present, SN 1200025021 to Present, SN B200024264 to Present, SN M200000140 to Present)	

SECTION 7 - ELECTRICAL

FIGURE 7-15. CABLES INSTALLATION

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



ART_1001178537

SECTION 7 - ELECTRICAL

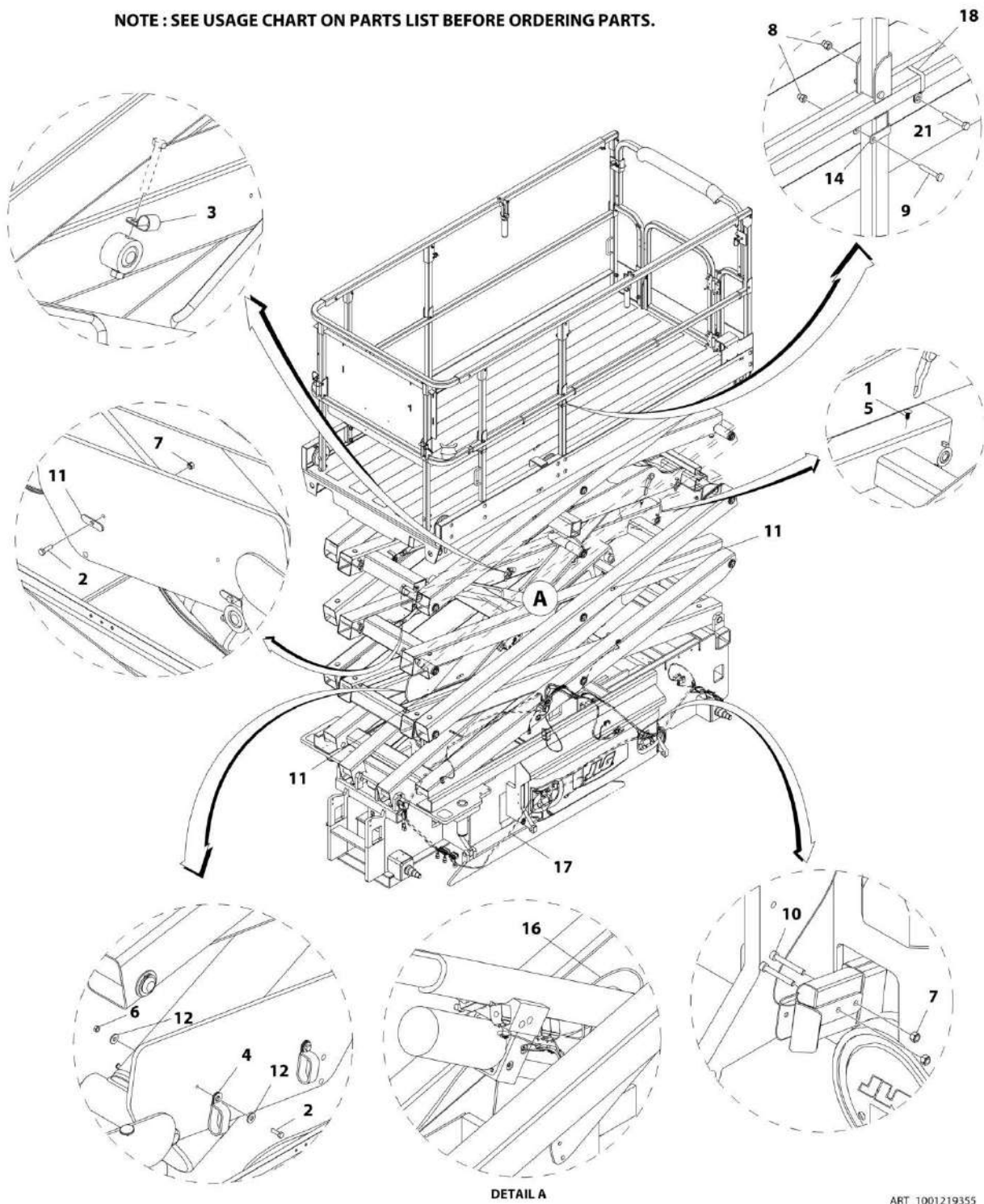
FIGURE 7-15. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178537	Ref	CABLES INSTALLATION	E
		Ref	Usage Chart	
		Ref	China Built Machines (SN B200020297 through B200035317)	
		Ref	Mexico Built Machines	
		Ref	USA Built Machines	
		Ref	ANSI and CSA Specs (All Machines)	
		Ref	Japanese Specs (SN 0200239382 through 0200258069)	
		Ref	ANSI Export and China Specs (SN 0200239382 through 0200248240)	
1	0100048	AR	Compound, Sealing	
2	0760610	4	Bolt M6 x 20	
3	1320318	1	Clamp	
4	1321716	2	Clamp	
5	1380158	21	Clip, Retainer	
6	3290601	2	Nut M6	
7	3290605	4	Nut M6	
8	3290606	6	Nut M6	
9	4010616	2	Screw M6 x 40	
10	4031713	2	Capscrew M6 x 45	
11	4740545	8	Washer	
12	4751400	4	Washer 1/4	
13	1001178686	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
14	1001094175	2	Clamp	
15	1001096707	1	Platform Harness (Includes Item 18) (Not Shown - See PLATFORM HARNESS for Breakdown) (SN 0200239382 through 0200262555, SN B200020297 through B200035317, SN M200000100 through M200010214)	
15	1001201244	1	Platform Harness (Includes Item 18) (Not Shown - See PLATFORM HARNESS for Breakdown) (SN 0200262556 to Present, SN M200010215 to Present)	
16	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
17	1001187231	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	
18	1001094180	NLA	Clamp (Use p/n 1001210760) (SN 0200239382 through 0200257625, SN B200020297 through B200035317, SN M200000100 through M200002832)	
18	1001210433	NLA	Clamp (Use p/n 1001210760) (SN 0200257626 to Present, SN M200002833 to Present)	
19	1001178539	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
20	1001178543	1	Pump Power Harness (Not Shown - See PUMP POWER HARNESS for Breakdown)	
21	0760606	4	Bolt M6 x 12	

SECTION 7 - ELECTRICAL

FIGURE 7-16. CABLES INSTALLATION

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



SECTION 7 - ELECTRICAL

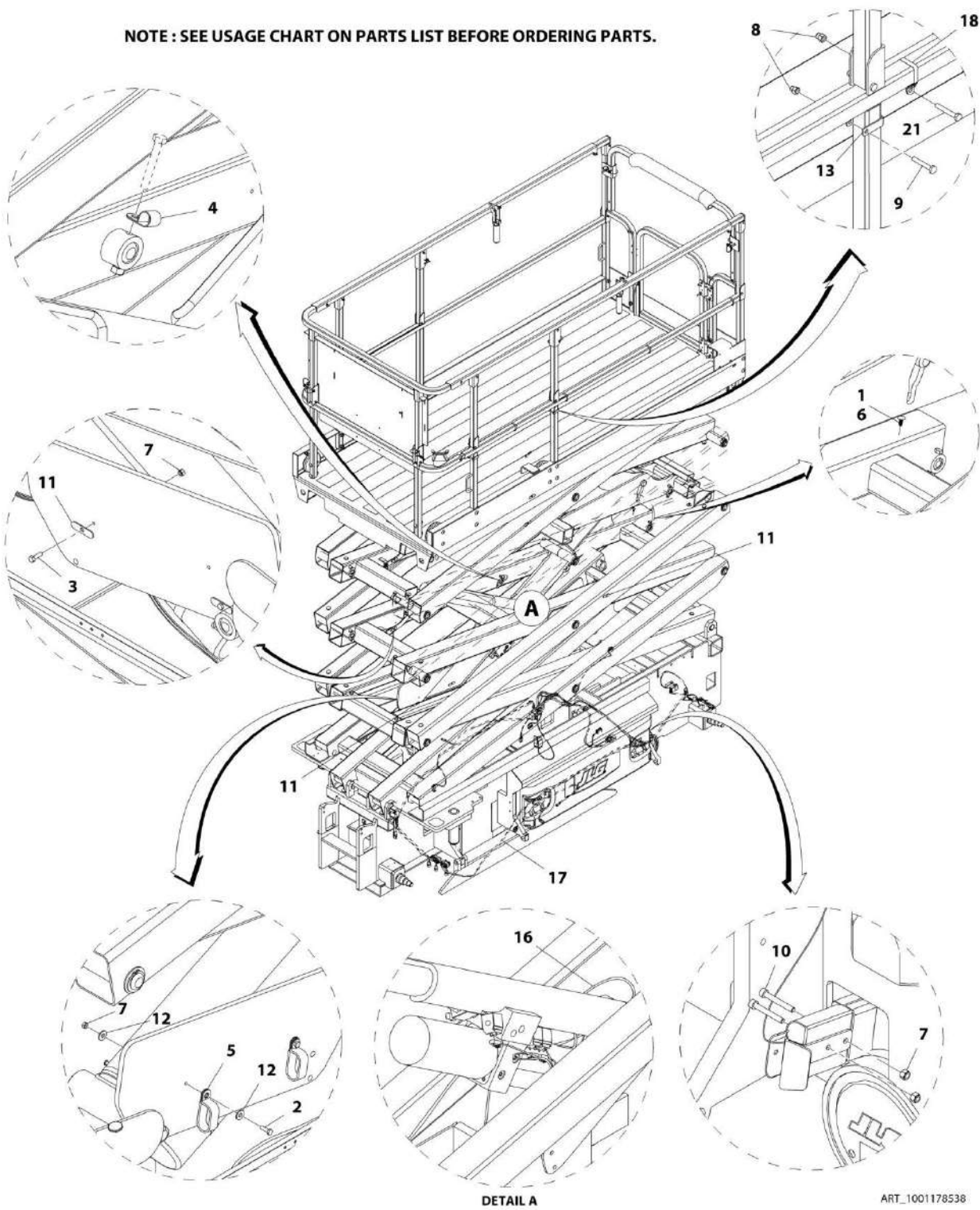
FIGURE 7-16. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219355	Ref	CABLES INSTALLATION	B
		Ref	Usage Chart	
		Ref	China Built Machines (SN B200035318 to Present)	
		Ref	ANSI and CSA Specs	
1	0100048	AR	Compound, Sealing	
2	0760610	4	Bolt M6 x 20	
3	1320318	1	Clamp	
4	1321716	2	Clamp	
5	1380158	21	Clip, Retainer	
6	3290601	2	Nut M6	
7	3290605	4	Nut M6	
8	3290606	6	Nut M6	
9	4010616	2	Screw M6 x 40	
10	4031713	2	Capscrew M6 x 45	
11	4740545	8	Washer	
12	4751400	4	Washer 1/4	
13	1001178686	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
14	1001094175	2	Clamp	
15	1001096707	1	Platform Harness (Includes Item 18) (Not Shown - See PLATFORM HARNESS for Breakdown)	
16	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
17	1001187231	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	
18	1001220668	4	Clamp	
19	1001178539	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
20	1001178543	1	Pump Power Harness (Not Shown - See PUMP POWER HARNESS for Breakdown)	
21	0760606	4	Bolt M6 x 12	
21	0760605	4	Bolt M6 x 10	

SECTION 7 - ELECTRICAL

FIGURE 7-17. CABLES INSTALLATION

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



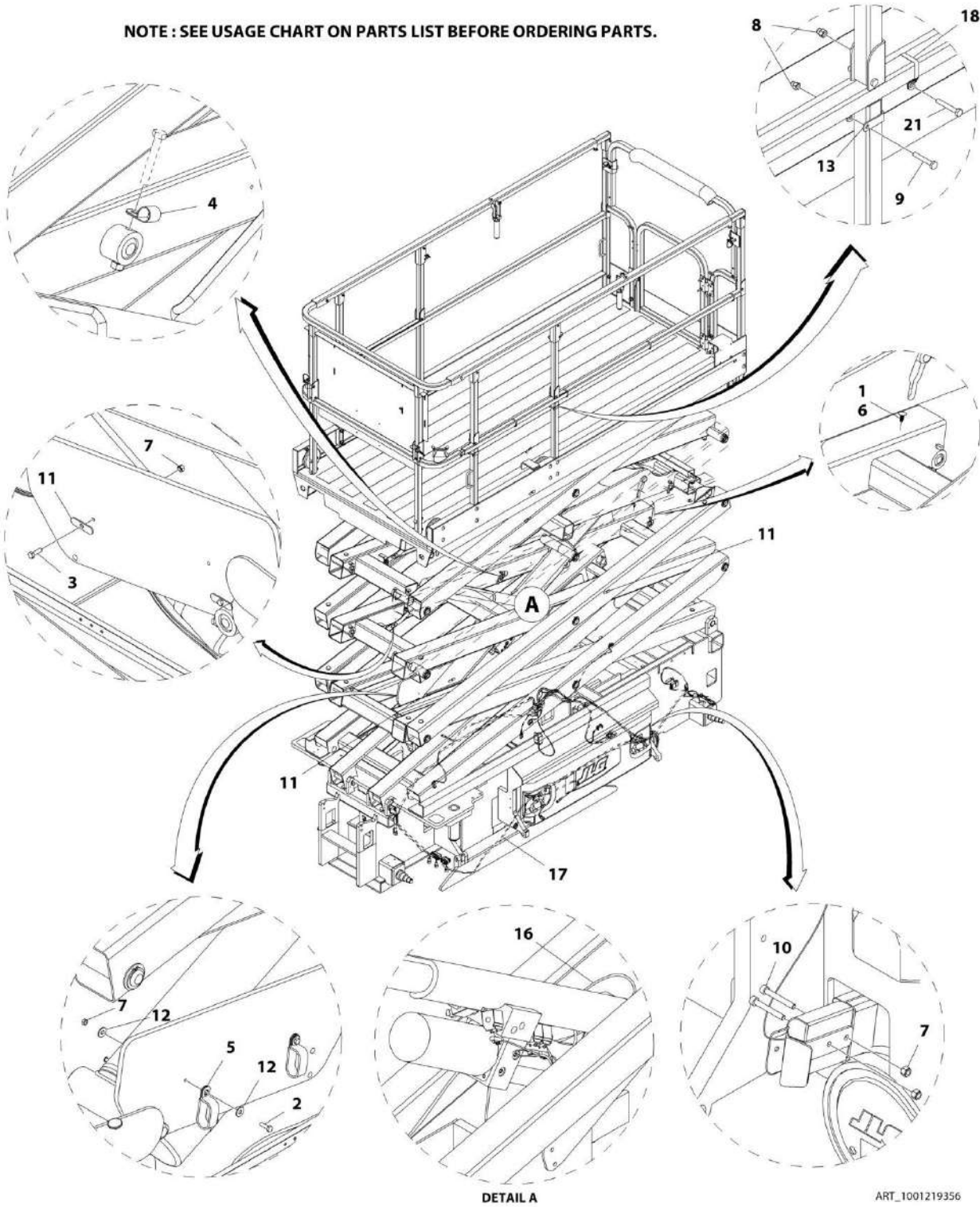
SECTION 7 - ELECTRICAL

FIGURE 7-17. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178538	Ref	CABLE INSTALLATION	E
		Ref	Usage Chart	
		Ref	Belgium Built Machines (SN 1200025024 through 1200025120)	
		Ref	China Built Machines (SN B200020297 through B200035317)	
		Ref	Mexico Built Machines	
		Ref	Korea Specs (SN M200017748 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	Compound, Sealing	
2	0700614	2	Bolt, M6 x 30	
3	0760610	2	Bolt M6 x 20	
4	1320318	1	Clamp	
5	1321716	2	Clamp	
6	1380158	21	Clip, Retainer	
7	3290605	6	Nut M6	
8	3290606	6	Nut M6	
9	4010616	2	Screw M6 x 40	
10	4031713	2	Capscrew M6 x 45	
11	4740545	8	Washer	
12	4751400	4	Washer 1/4	
13	1001094175	2	Clamp	
14	1001178684	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
15	1001096707	1	Platform Harness (Includes Item 18) (Not Shown - See PLATFORM HARNESS for Breakdown) (SN 0200239382 through 0200262556, SN 1200025024 through 1200025120, SN B200020297 through B200035317, SN M200000100 through M200010214)	
15	1001201244	1	Platform Harness (Includes Item 18) (Not Shown - See PLATFORM HARNESS for Breakdown) (SN 0200262556 to Present, SN M200010215 to Present)	
16	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
17	1001187231	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	
18	1001094180	NLA	Clamp (Use p/n 1001210760) (SN 0200239382 through 0200257625, SN 1200025024 through 1200025120, SN B200020297 through B200035317, SN M200000100 through M200002833)	
18	1001210433	NLA	Clamp (Use p/n 1001210760) (SN 0200257626 to Present, SN M200002833 to Present)	
19	1001178539	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
20	1001178543	1	Pump Power Harness (Not Shown - See PUMP POWER HARNESS for Breakdown)	
21	0760606	4	Bolt M6 x 12	

SECTION 7 - ELECTRICAL

FIGURE 7-18. CABLES INSTALLATION



SECTION 7 - ELECTRICAL

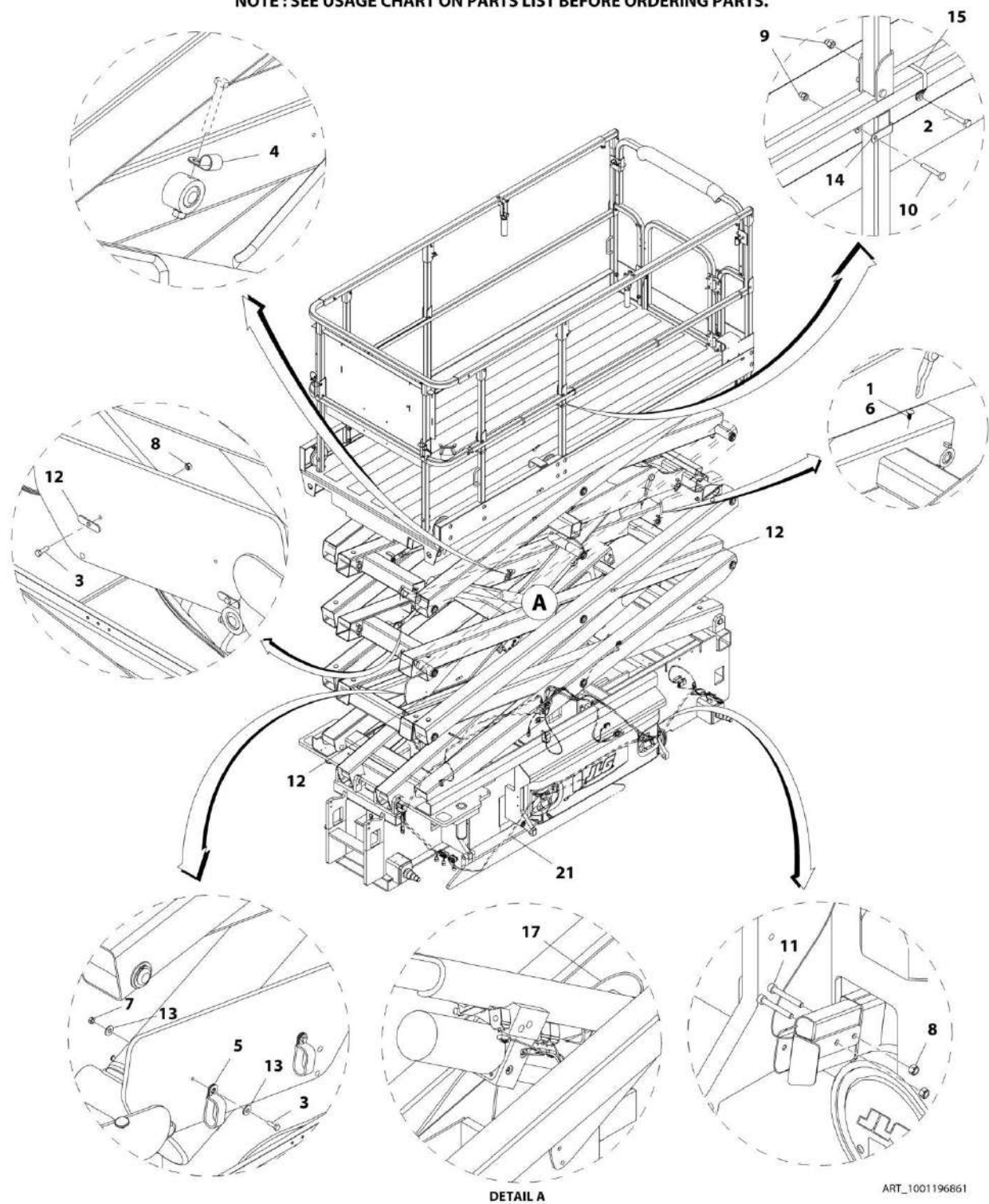
FIGURE 7-18. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219356	Ref	CABLE INSTALLATION	B
		Ref	Usage Chart	
		Ref	Belgium Built Machines (SN 1200025121 to Present)	
		Ref	China Built Machines (SN B200035318 to Present)	
		Ref	ANSI Export, Australian, CE, Japanese, Korea and China Specs	
1	0100048	AR	Compound, Sealing	
2	0700614	2	Bolt, M6 x 30	
3	0760610	2	Bolt M6 x 20	
4	1320318	1	Clamp	
5	1321716	2	Clamp	
6	1380158	21	Clip, Retainer	
7	3290605	6	Nut M6	
8	3290606	6	Nut M6	
9	4010616	2	Screw M6 x 40	
10	4031713	2	Capscrew M6 x 45	
11	4740545	8	Washer	
12	4751400	4	Washer 1/4	
13	1001094175	2	Clamp	
14	1001178684	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
15	1001096707	1	Platform Harness (Includes Item 18) (Not Shown - See PLATFORM HARNESS for Breakdown)	
16	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
17	1001187231	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	
18	1001220668	4	Clamp	
19	1001178539	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
20	1001178543	1	Pump Power Harness (Not Shown - See PUMP POWER HARNESS for Breakdown)	
21	0760606	4	Bolt M6 x 12	
21	0760605	4	Bolt M6 x 10	

SECTION 7 - ELECTRICAL

FIGURE 7-19. CABLES INSTALLATION

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



SECTION 7 - ELECTRICAL

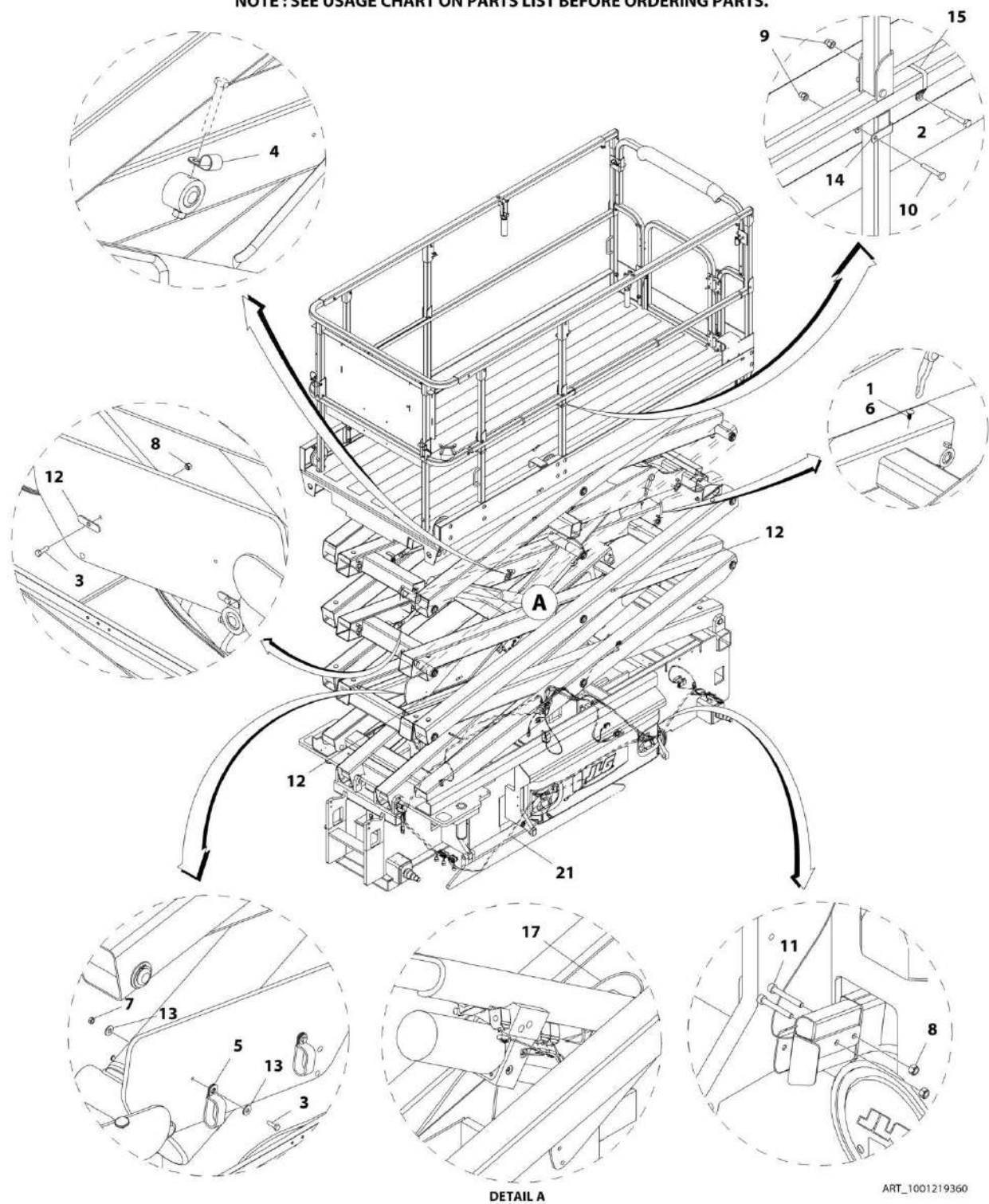
FIGURE 7-19. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196861	Ref	CABLE INSTALLATION	B
		Ref	Usage Chart	
		Ref	China Built Machines (SN B200020297 through B200035317)	
		Ref	Mexico Built Machines	
		Ref	USA Built Machines	
		Ref	UL Machines (All Machines)	
1	0100048	1	Compound, Sealing	
2	0760606	4	Bolt M6 x 12	
3	0760610	4	Bolt M6 x 20	
4	1320318	1	Clamp	
5	1321716	2	Clamp	
6	1380158	21	Clip, Retainer	
7	3290601	2	Nut M6	
8	3290605	4	Nut M6	
9	3290606	6	Nut M6	
10	4010616	2	Screw M6 x 40	
11	4031713	2	Capscrew M6 x 45	
12	4740545	8	Washer	
13	4751400	4	Washer 1/4	
14	1001094175	2	Clamp	
15	1001194180	NLA	Clamp (Use p/n 1001210760) (SN 0200239382 through 0200257625, SN B200020297 through B200035317, SN M200000100 through M200002832)	
15	1001210433	NLA	Clamp (Use p/n 1001210760) (SN 0200257626 to Present, SN M200002833 to Present)	
16	1001096707	1	Platform Harness (Includes Item 15) (Not Shown - See PLATFORM HARNESS for Breakdown) (SN 0200239382 through 0200262555, SN B200020297 through B200035317, SN M200000100 through M200010214)	
16	1001201244	1	Platform Harness (Includes Item 15) (Not Shown - See PLATFORM HARNESS for Breakdown) (SN 0200262556 to Present, SN M200010215 to Present)	
17	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
18	1001178539	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
19	1001178543	1	Pump Power Harness (Not Shown - See Pump Power Harness for Breakdown)	
20	1001178686	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
21	1001196837	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	

SECTION 7 - ELECTRICAL

FIGURE 7-20. CABLES INSTALLATION

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



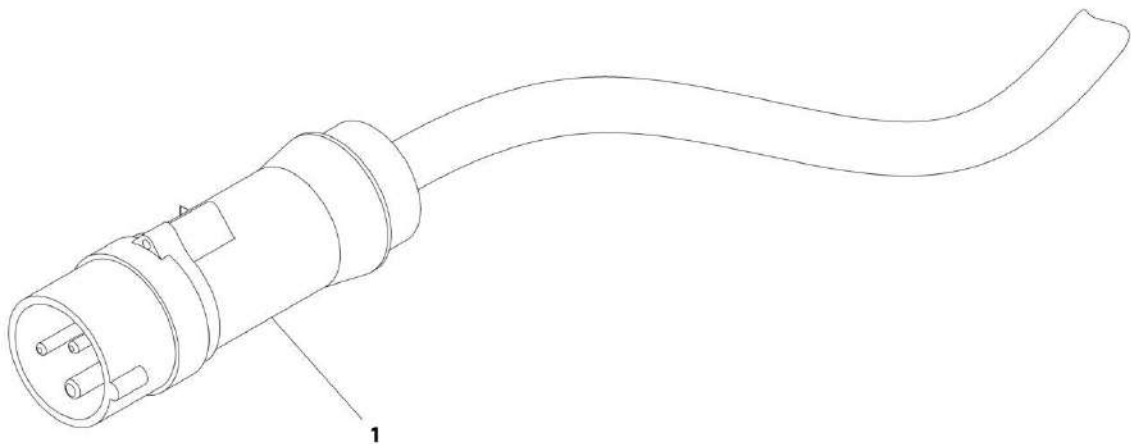
SECTION 7 - ELECTRICAL

FIGURE 7-20. CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219360	Ref	CABLE INSTALLATION	C
		Ref	Usage Chart	
		Ref	China Built Machines (SN B200035318 to Present)	
		Ref	UL Machines	
1	0100048	AR	Compound, Sealing	
2	0760606	4	Bolt M6 x 12	
2	0760605	4	Bolt M6 x 10	
3	0760610	4	Bolt M6 x 20	
4	1320318	1	Clamp	
5	1321716	2	Clamp	
6	1380158	21	Clip, Retainer	
7	3290601	2	Nut M6	
8	3290605	4	Nut M6	
9	3290606	6	Nut M6	
10	4010616	2	Screw M6 x 40	
11	4031713	2	Capscrew M6 x 45	
12	4740545	8	Washer	
13	4751400	4	Washer 1/4	
14	1001094175	2	Clamp	
15	1001220668	4	Clamp	
16	1001096707	1	Platform Harness (Includes Item 15) (Not Shown - See PLATFORM HARNESS for Breakdown)	
17	1001115002	1	Cylinder Harness (See CYLINDER HARNESS for Breakdown)	
18	1001178539	1	Battery Cable Kit (Not Shown - See BATTERY CABLE KIT for Breakdown)	
19	1001178543	1	Pump Power Harness (Not Shown - See Pump Power Harness for Breakdown)	
20	1001178686	1	Ground to Platform Harness (Not Shown - See GROUND TO PLATFORM HARNESS for Breakdown)	
21	1001196837	1	Chassis Harness (See CHASSIS HARNESS for Breakdown)	

SECTION 7 - ELECTRICAL

FIGURE 7-21. CHARGER CORD PLUG INSTALLATION - 110V IEC YELLOW (CE SPEC ONLY)



ART_0275666

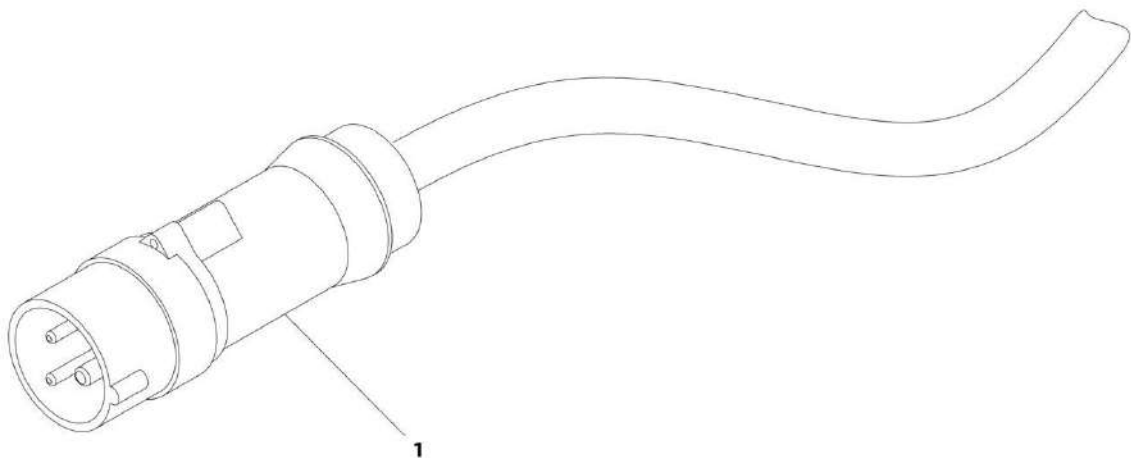
SECTION 7 - ELECTRICAL

FIGURE 7-21. 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 ONLY)	A
1	4461196	1	Plug	

SECTION 7 - ELECTRICAL

FIGURE 7-22. CHARGER CORD PLUG INSTALLATION - 220V IEC BLUE (CE SPEC)



ART_0275667

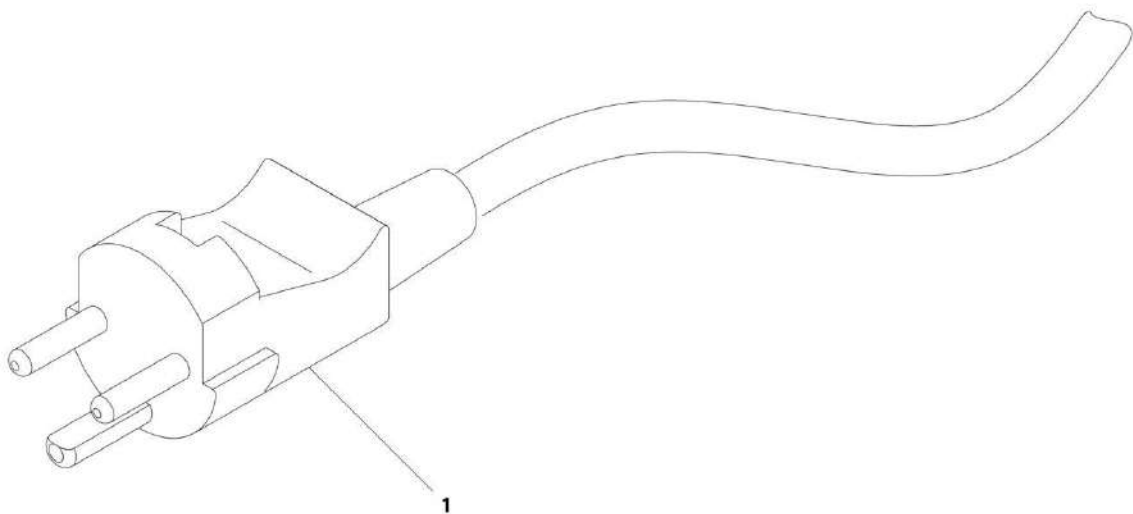
SECTION 7 - ELECTRICAL

FIGURE 7-22. 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 7-23. CHARGER CORD PLUG INSTALLATION - 220V AFSINT 107 (CE SPEC)



ART_0275665

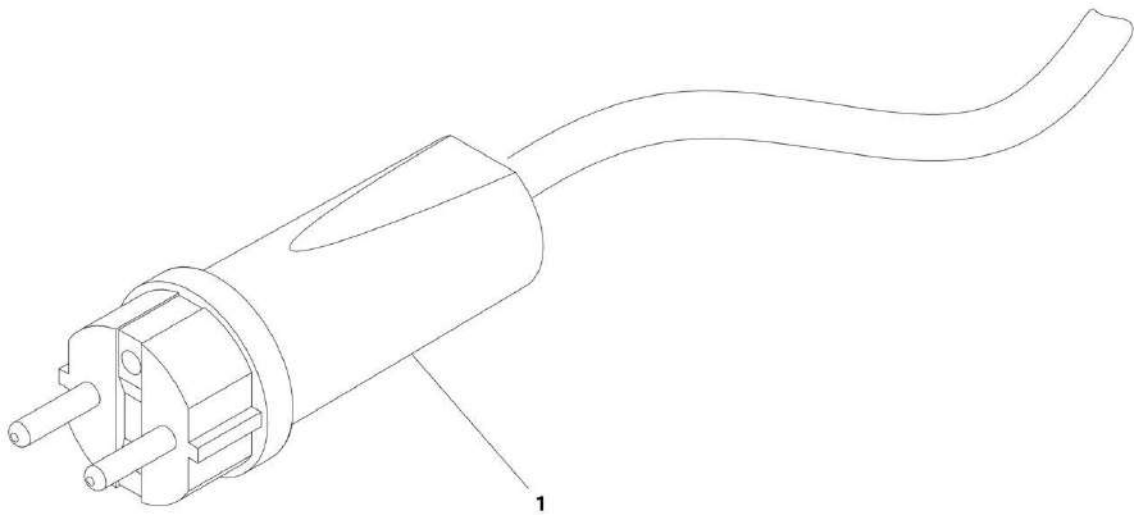
SECTION 7 - ELECTRICAL

FIGURE 7-23. 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 7-24. CHARGER CORD PLUG INSTALLATION - 220V CEE7 POST GROUND (CE SPEC)



ART_0275664

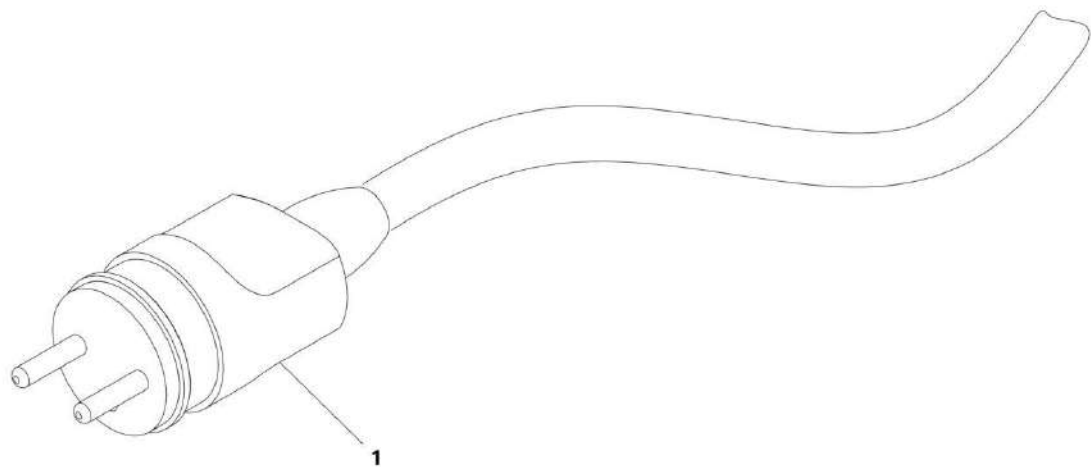
SECTION 7 - ELECTRICAL

FIGURE 7-24. CHARGER CORD PLUG INSTALLATION - 220V CEE7 POST GROUND (CE SPEC)

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

SECTION 7 - ELECTRICAL

FIGURE 7-25. CHARGER CORD PLUG INSTALLATION - 220V POST GROUND (CE SPEC)



ART_0275663

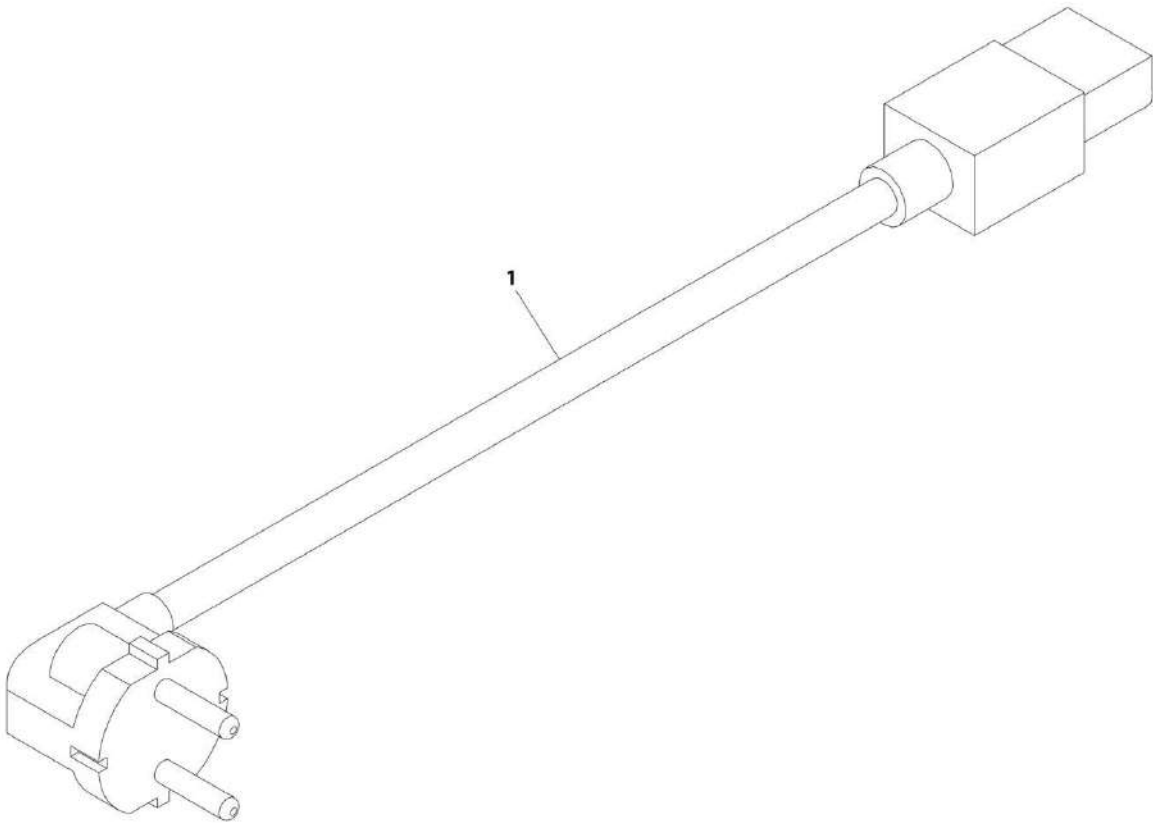
SECTION 7 - ELECTRICAL

FIGURE 7-25. 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 44601205) (SN 0200239382 through 0200256617, SN B200020297 through B200037371, SN M200000100 through M200002249)	
1	4461205	1	Plug (SN 0200256618 to Present, SN 1200025021 to Present, SN B200037372 to Present, SN M200002250 to Present)	

SECTION 7 - ELECTRICAL

FIGURE 7-26. CHARGER CORD PLUG INSTALLATION (KOREA SPEC)



ART_1001221984

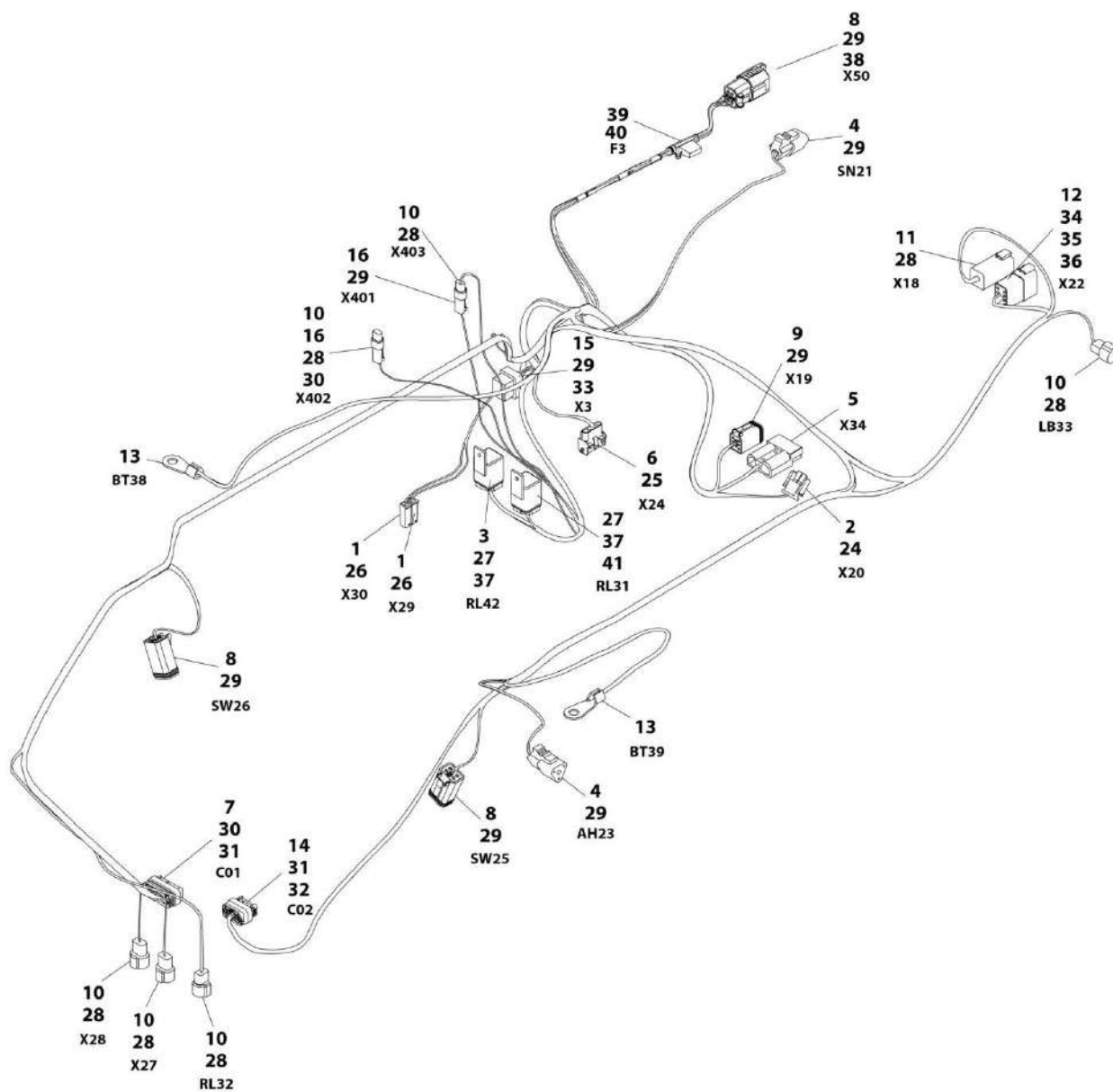
SECTION 7 - ELECTRICAL

FIGURE 7-26. CHARGER CORD PLUG INSTALLATION (KOREA SPEC)

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

SECTION 7 - ELECTRICAL

FIGURE 7-27. CHASSIS HARNESS



ART_1001187231

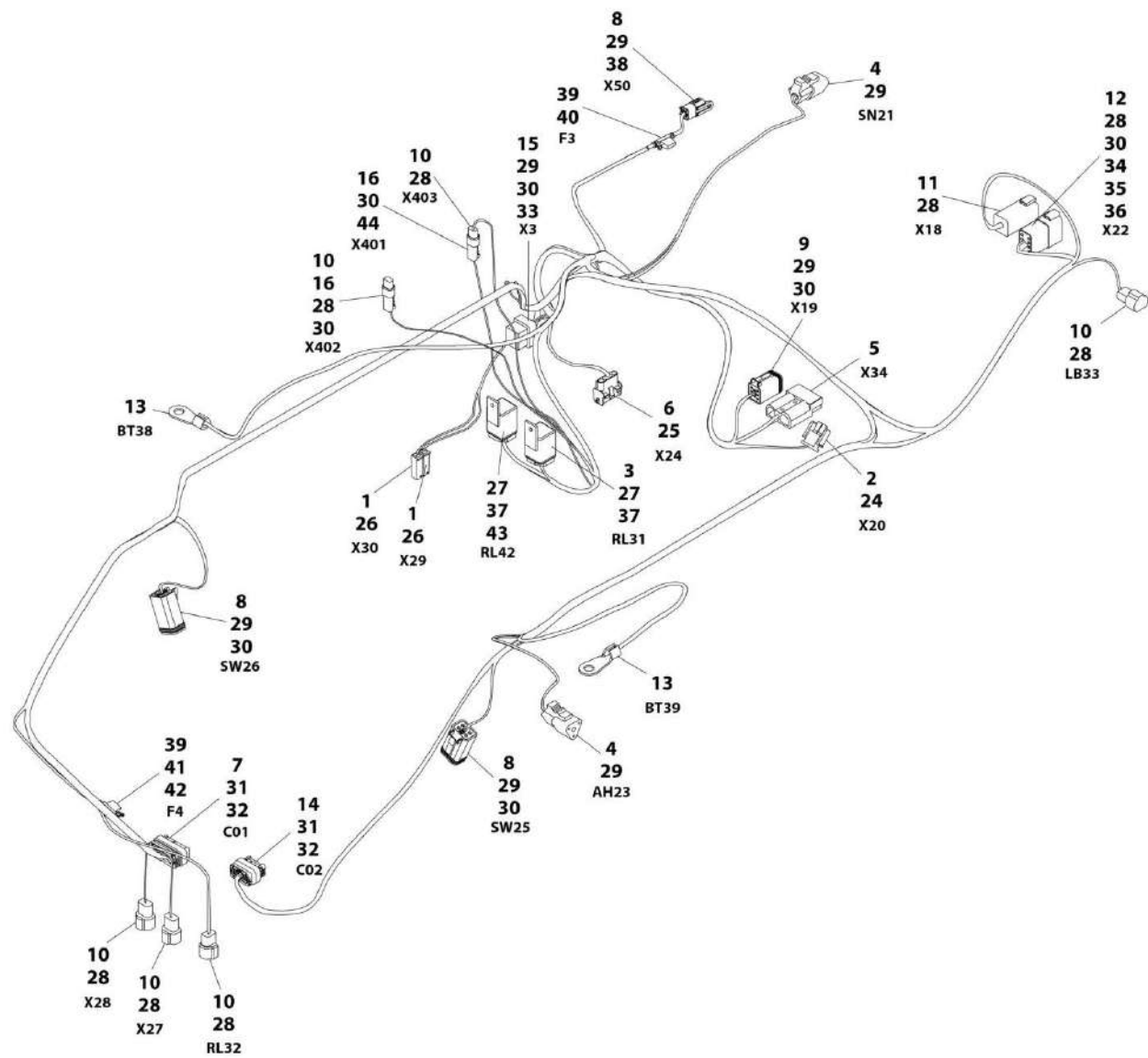
SECTION 7 - ELECTRICAL

FIGURE 7-27. CHASSIS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187231	Ref	CHASSIS HARNESS	H
1	4460260	2	Housing, Terminal	
2	4460320	1	Plug, Male - 2 Position	
3	4460374	1	Plug, Relay	
4	4460539	2	Plug, Male - 3 Position	
5	4460648	1	Connector, Anderson	
6	4460761	1	Receptacle, Female - 4 Position	
7	4460873	1	Connector - 35 Position (Black)	
8	4460884	AR	Plug, Male - 4 Position	
9	4460894	1	Plug, Male - 6 Position	
10	4460897	5	Receptacle, Female - 2 Position	
11	4460899	1	Receptacle, Female - 6 Position	
12	4460931	1	Receptacle, Female - 8 Position	
13	4460986	2	Terminal, Ring	
14	1001096138	1	Connector - 23 Position	
15	1001115076	1	Connector - 18 Position	
16	4460891	2	Plug, Male - 2 Position	
24	4460226	2	Socket, Female	
25	4460227	4	Pin, Male	
26	4460259	2	Terminal	
27	4460375	8	Terminal	
28	4460464	18	Pin, Male	
29	4460465	AR	Socket, Female	
30	4460466	9	Seal	
31	4460871	39	Socket, Female	
32	4460905	20	Seal	
33	4460942	2	Socket, Female	
34	4460943	3	Pin, Male	
35	0840058	1	Boot	
36	2820028	3 ft/0.9m	Heat Shrink	
37	1001097347	2	Relay	
38	1001192401	1	Cap, Dust (SN 0200248842 to Present, SN 1200025021 to Present, SN B200025575 to Present, SN M200000140 to Present)	
39	2400060	1	Fuseholder with Cover (SN 0200248842 to Present, SN 1200025021 to Present, SN B200025575 to Present, SN M200000140 to Present)	
40	8229242	1	Fuse 5Amp (SN 0200248842 to Present, SN 1200025021 to Present, SN B200025575 to Present, SN M200000140 to Present)	
41	4460374	1	Plug, Relay (SN 0200239382 through 0200253043, SN B200020297 through B200028157, SN M200000100 through M200000687)	
41	1001117057	1	Plug, Relay (SN 0200253044 to Present, SN 1200025021 to Present, SN B2000281158 to Present, SN M200000688 to Present)	

SECTION 7 - ELECTRICAL

FIGURE 7-28. CHASSIS HARNESS - UL SPEC



ART_1001196837

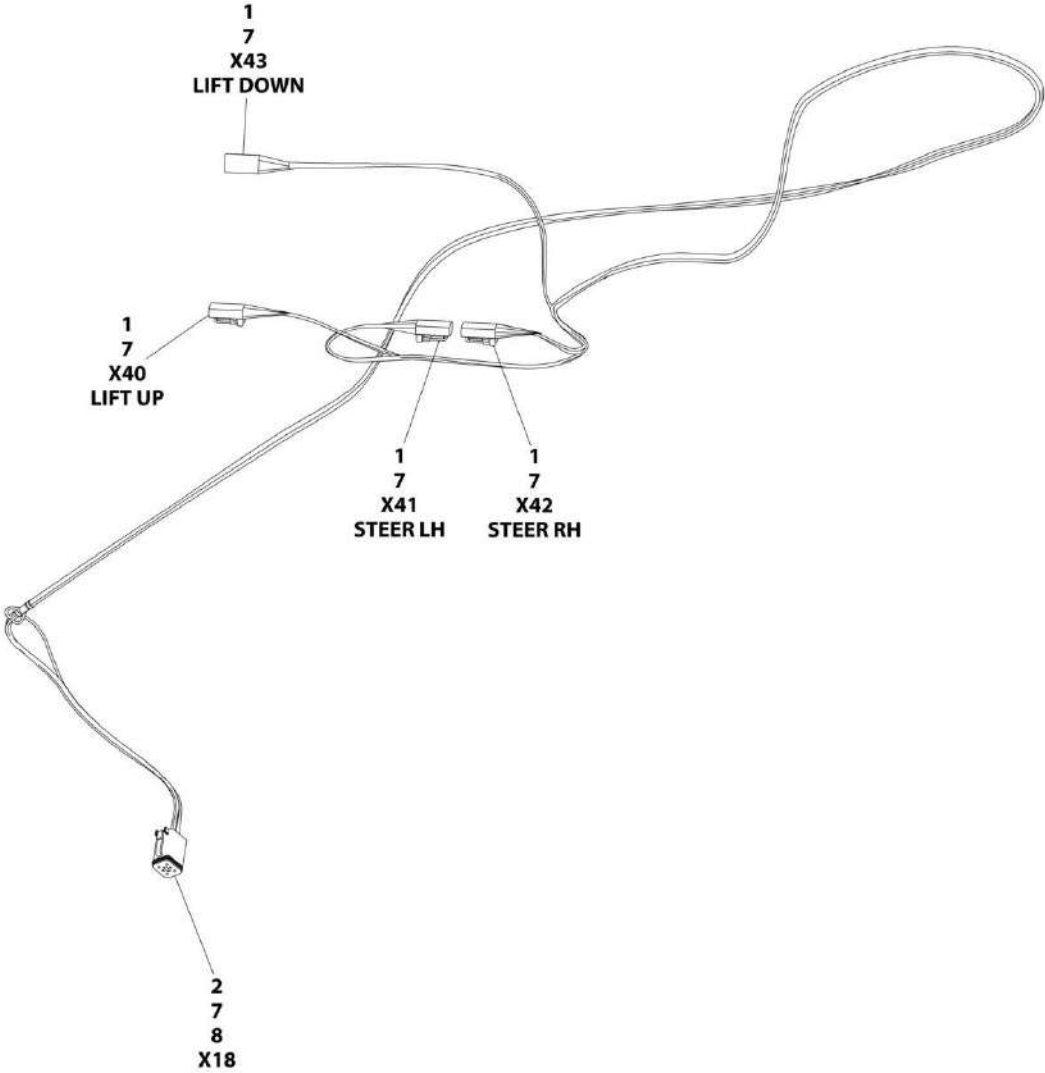
SECTION 7 - ELECTRICAL

FIGURE 7-28. CHASSIS HARNESS - UL SPEC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196837	Ref	CHASSIS HARNESS - UL SPEC	D
1	4460260	2	Housing, Terminal	
2	4460320	1	Plug, Male - 2 Position	
3	4460374	1	Plug, Relay	
4	4460539	2	Plug, Male - 3 Position	
5	4460648	1	Connector, Anderson	
6	4460761	1	Receptacle, Female - 4 Position	
7	4460873	1	Connector - 35 Position (Black)	
8	4460884	3	Plug, Male - 4 Position	
9	4460894	1	Plug, Male - 6 Position	
10	4460897	6	Receptacle, Female - 2 Position	
11	4460899	1	Receptacle, Female - 6 Position	
12	4460931	1	Receptacle, Female - 8 Position	
13	4460986	2	Terminal, Ring	
14	1001096138	1	Connector - 23 Position	
15	1001115076	1	Connector - 18 Position	
16	4460891	2	Plug, Male - 2 Position	
24	4460226	2	Socket, Female	
25	4460227	4	Pin, Male	
26	4460259	2	Terminal	
27	4460375	AR	Terminal	
28	4460464	AR	Pin, Male	
29	4460465	AR	Socket, Female	
30	4460466	AR	Seal	
31	4460871	39	Socket, Female	
32	4460905	AR	Seal	
33	4460942	2	Socket, Female	
34	4460943	3	Pin, Male	
35	0840058	1	Boot	
36	2820028	3 ft/0.9m	Heat Shrink	
37	1001097347	2	Relay	
38	1001192401	1	Cap, Dust	
39	2400060	2	Fuse Holder with Cover	
40	8229242	1	Fuse 5Amp	
41	1001196838	1	Fuse 3Amp	
42	2820152	AR	Heat Shrink	
43	4460374	1	Plug, Relay (SN 0200239382 through 0200260033, SN B200020297 through B200034609, SN M200000100 through M200005829)	
43	1001117057	1	Plug, Relay (SN 0200260033 to Present, SN B200034609 to Present, SN M200005829 to Present)	
44	1001157890	1	Terminal (SN 0200260033 to Present, SN B200034609 to Present, SN M200005829 to Present)	

SECTION 7 - ELECTRICAL

FIGURE 7-29. CYLINDER HARNESS



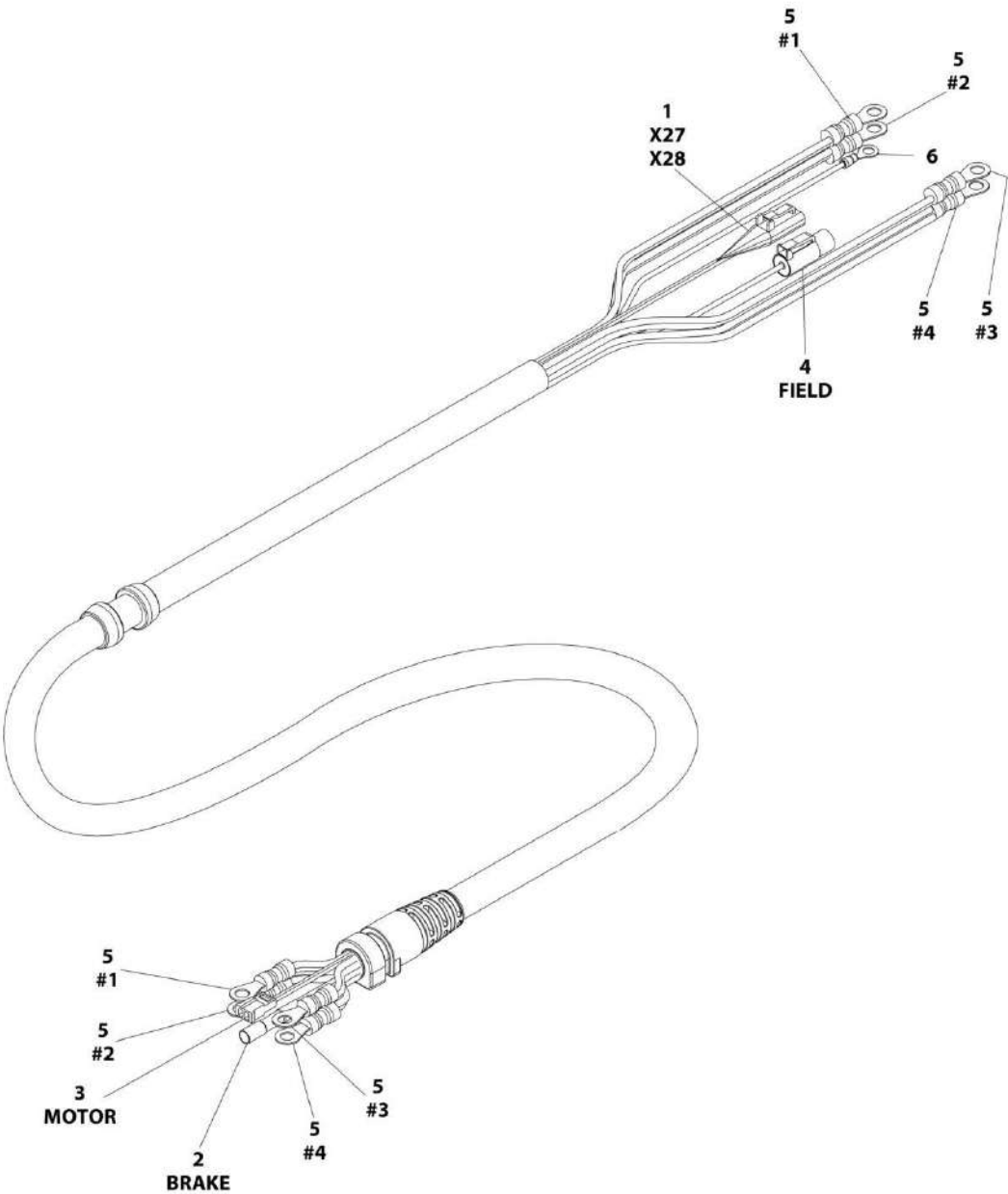
ART_1001115002

FIGURE 7-29. 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 7-30. DRIVE CABLE ASSEMBLY



ART_1001132439

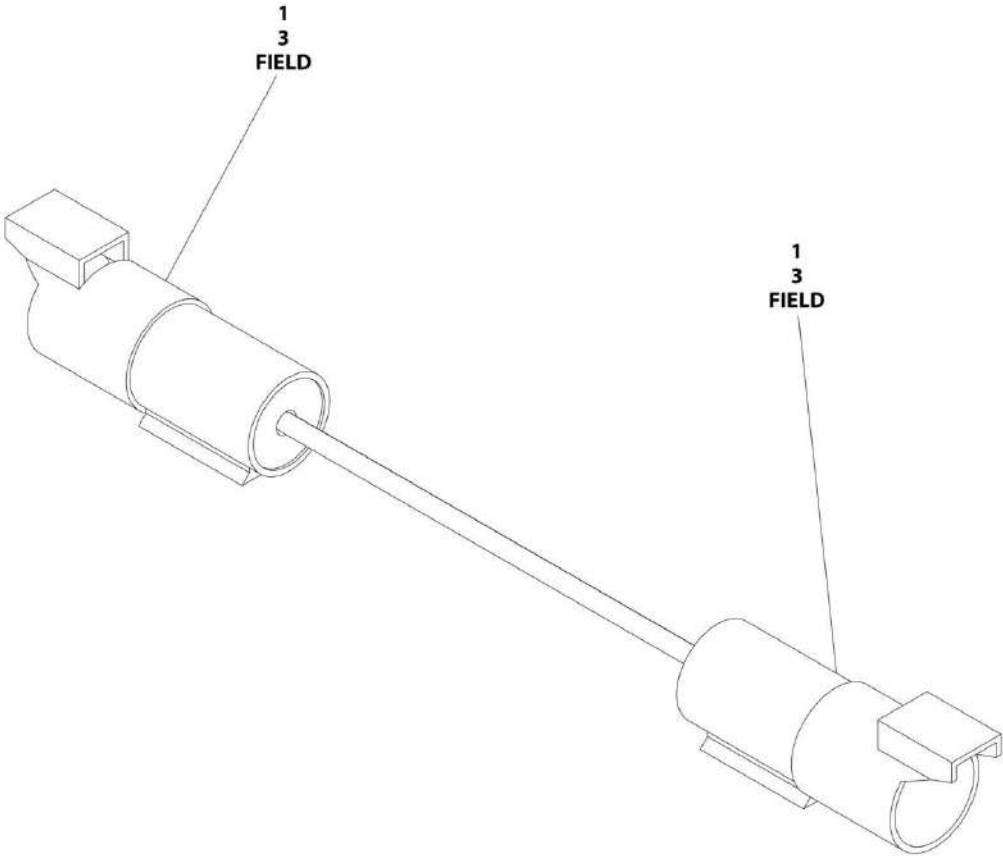
SECTION 7 - ELECTRICAL

FIGURE 7-30. DRIVE CABLE ASSEMBLY

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

SECTION 7 - ELECTRICAL

FIGURE 7-31. DRIVE FIELD CONNECTION HARNESS



ART_4923602

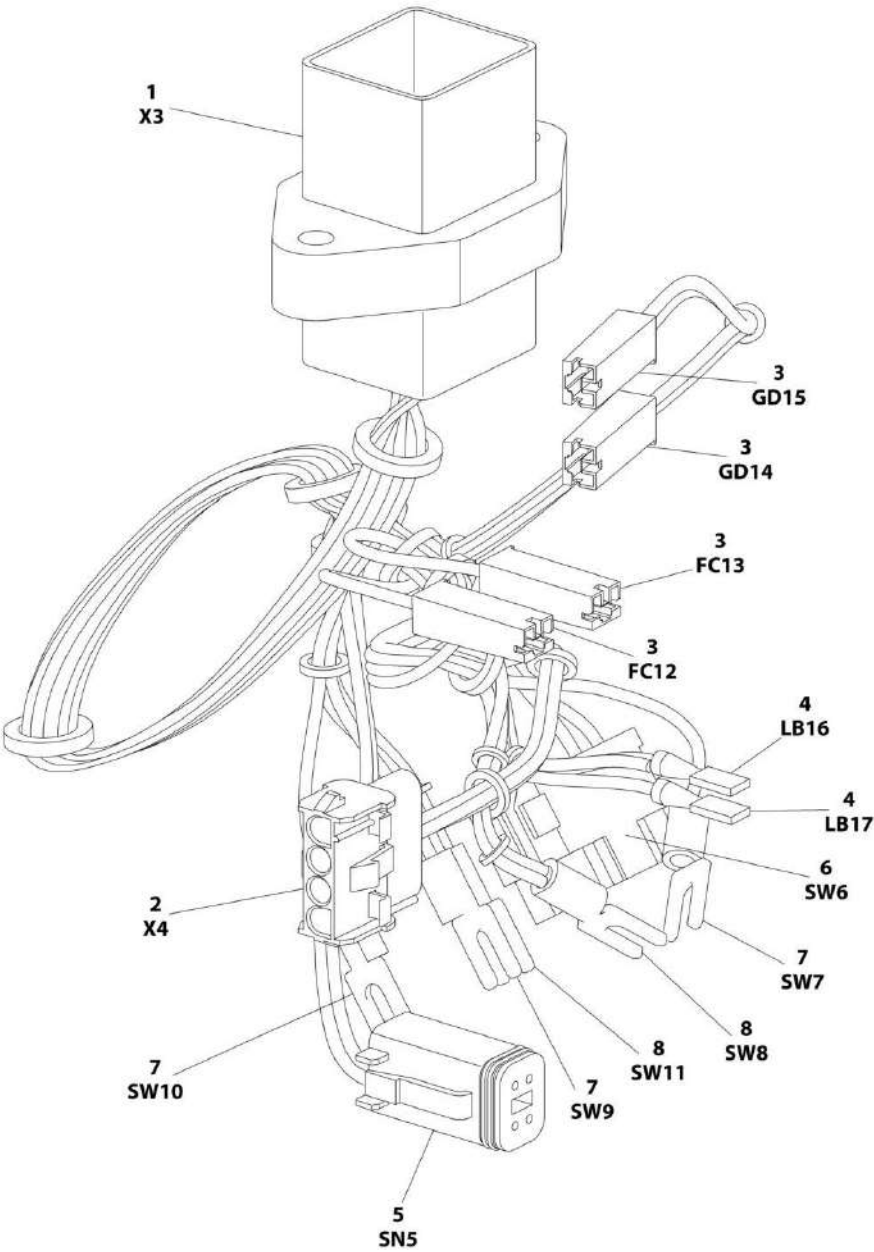
SECTION 7 - ELECTRICAL

FIGURE 7-31. 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 7-32. GROUND CONTROL BOX HARNESS (SN B200020297 through B200023345)



ART_1001114935

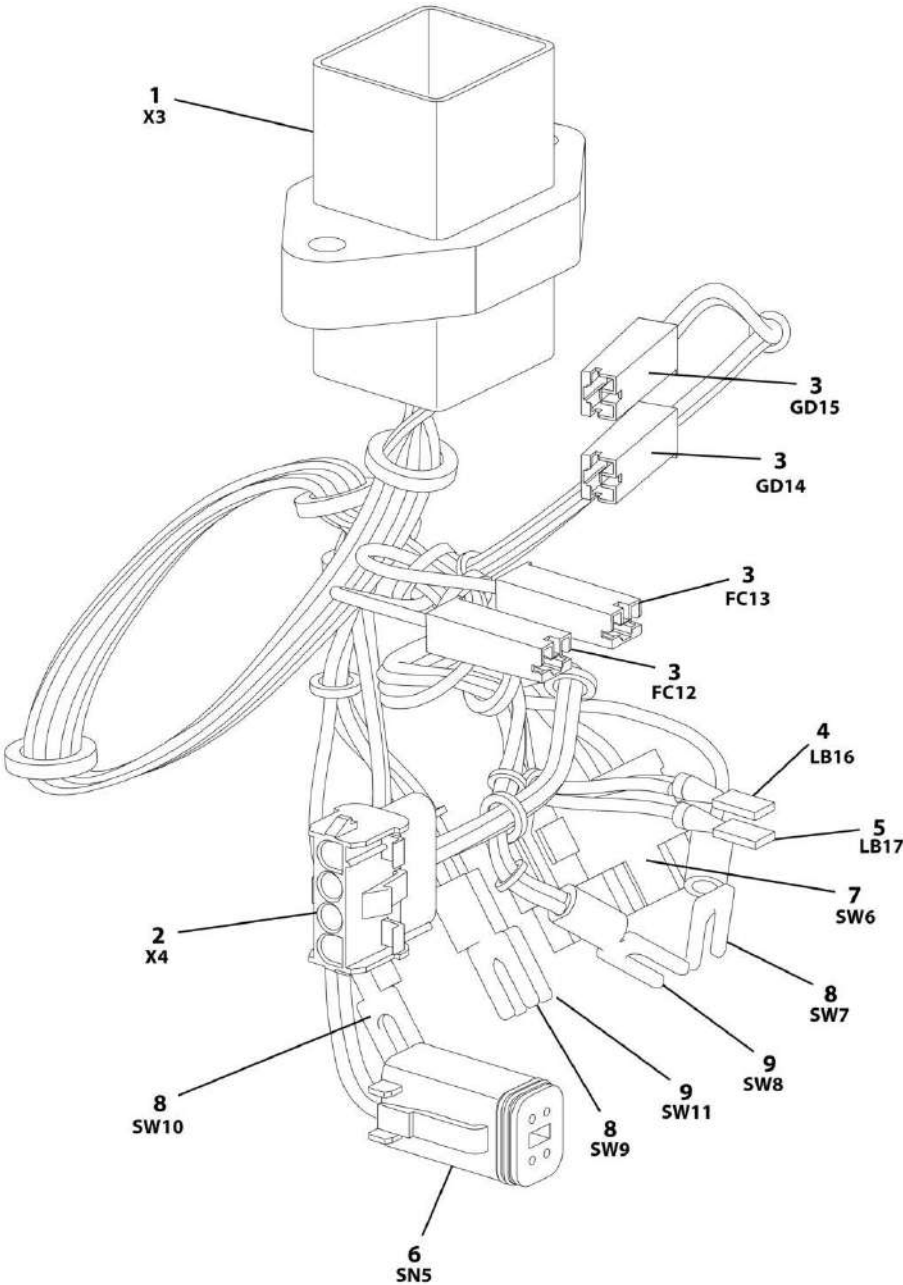
SECTION 7 - ELECTRICAL

FIGURE 7-32. GROUND CONTROL BOX HARNESS (SN B200020297 through B200023345)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001114935	Ref	GROUND CONTROL BOX HARNESS (SN B200020297 through B200023345)	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 7-33. GROUND CONTROL BOX HARNESS (SN 0200239382 to Present, SN 1200025021 to Present, SN B200023346 to Present, SN M200000100 to Present)



ART_1001167256

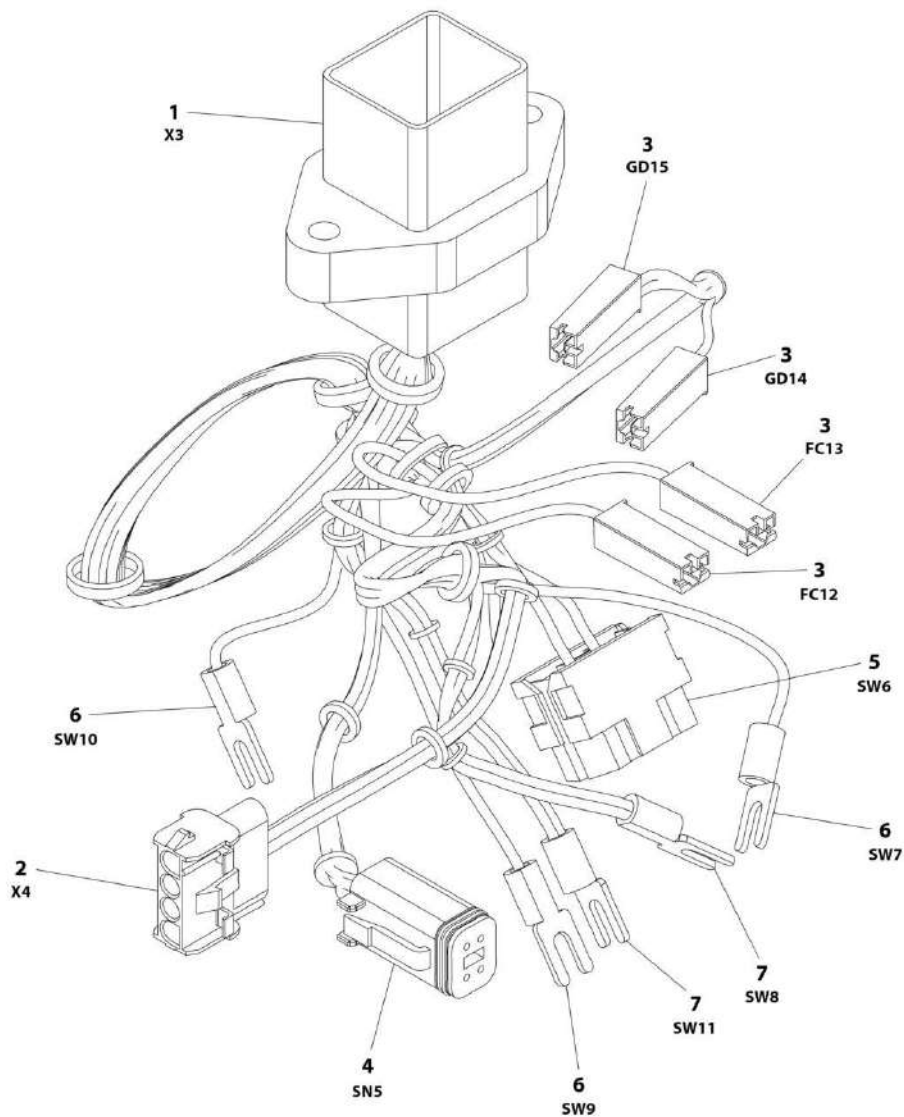
SECTION 7 - ELECTRICAL

FIGURE 7-33. GROUND CONTROL BOX HARNESS (SN 0200239382 to Present, SN 1200025021 to Present, SN B200023346 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 B200023346 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 0200261547, SN B200023346 through B200038259, SN M200000100 through M200007511)	
6	4460884	1	Connector - 4 Position (SN 0200261548 to Present, SN 1200025021 to Present, SN B200038260 to Present, SN M200007512 to Present)	
6	4460918	4	Socket, Female	
6	4460418	1	Connector - 6 Position	
7	1001159186	3	Terminal	
8	4460183	3	Terminal, Fork	
9	4460115	2	Terminal, Fork	

SECTION 7 - ELECTRICAL

FIGURE 7-34. GROUND CONTROL BOX HARNESS - NO LSS (SN 0200266380 to Present, SN B200043104 to Present, SN M200012171 to Present)



ART_1001208641

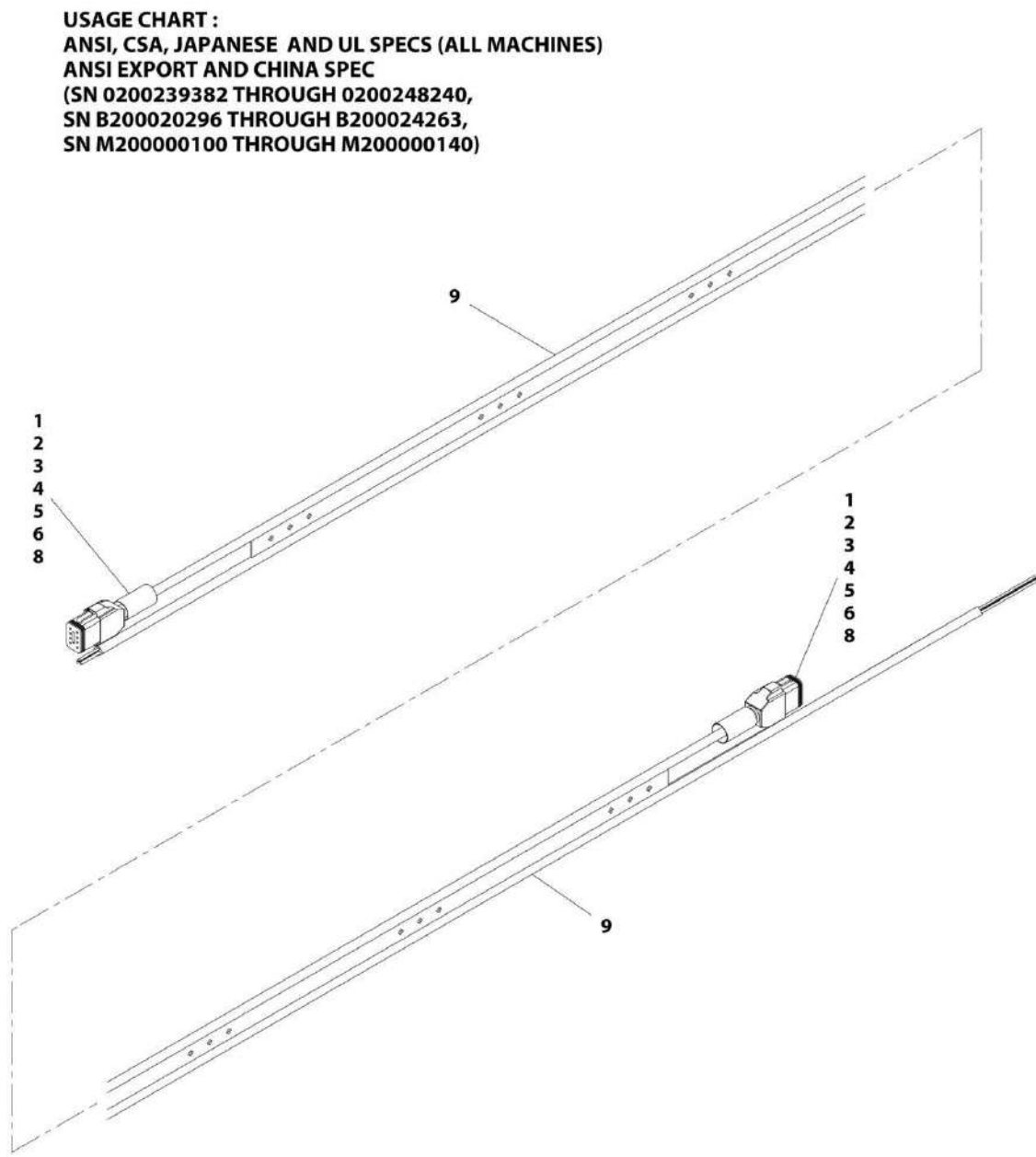
SECTION 7 - ELECTRICAL

FIGURE 7-34. GROUND CONTROL BOX HARNESS - NO LSS (SN 0200266380 to Present, SN B200043104 to Present, SN M200012171 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208641	Ref	GROUND CONTROL BOX HARNESS - NO LSS (SN 0200266380 to Present, SN B200043104 to Present, SN M200012171 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 7-35. GROUND TO PLATFORM HARNESS



ART_1001178686

SECTION 7 - ELECTRICAL

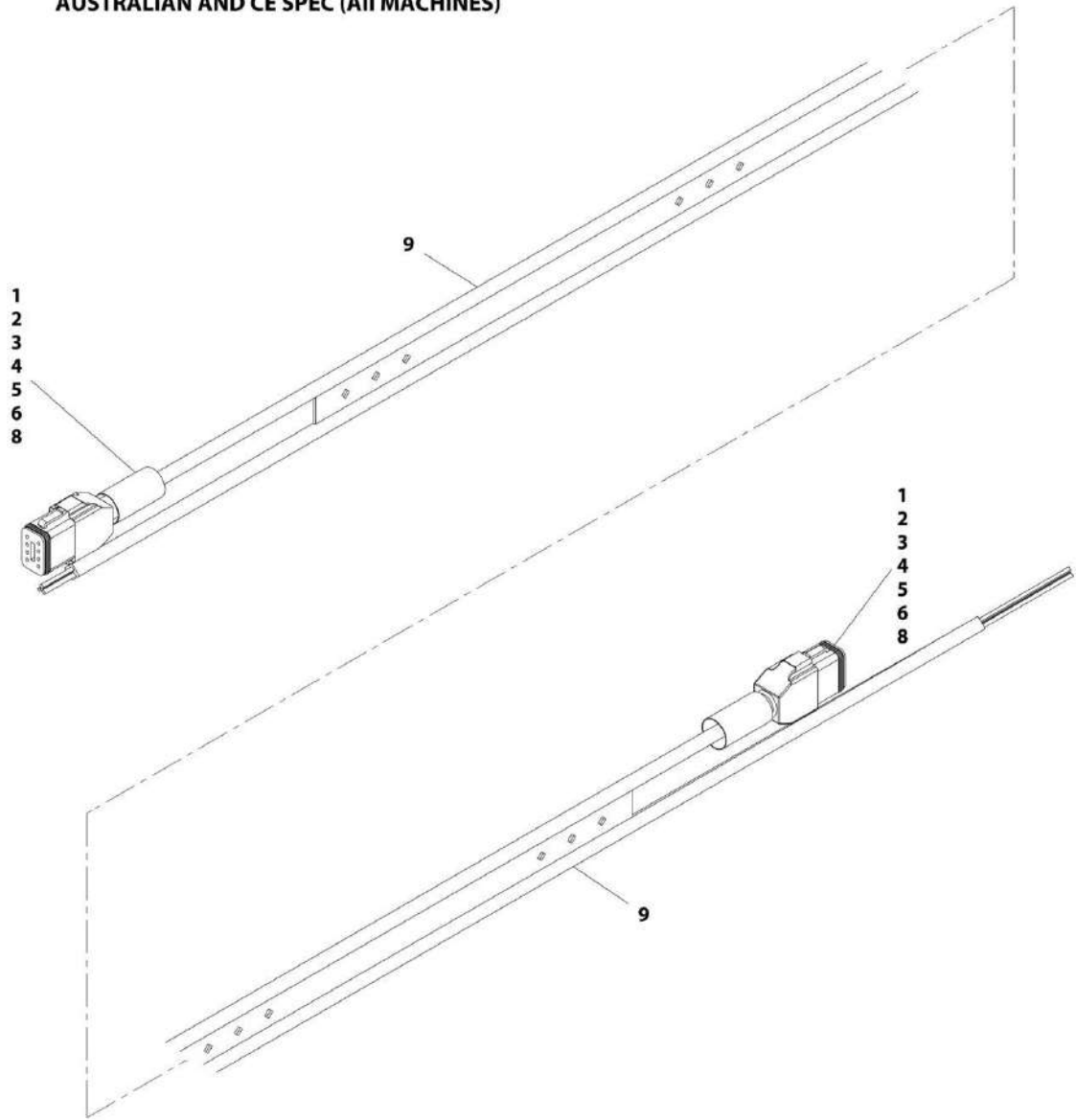
FIGURE 7-35. GROUND TO PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178686	Ref	GROUND TO PLATFORM HARNESS	E
		Ref	Usage Chart	
		Ref	ANSI, CSA, Japanese and UL Specs (All Machines)	
		Ref	ANSI, Export and China Spec (SN 0200239382 through 0200248240, SN B200020296 through B200024263, SN M200000100 through M200000140)	
1	0840061	2	Boot	
2	2820026	AR	Insulator, Clear Tubing	
3	2820028	AR	Heat Shrink	
4	4460465	8	Socket, Female	
5	4460466	2	Plug, Terminal	
6	4460930	2	Plug, Male - 8 Position	
7	4460943	3	Pin, Male (Not Shown)	
8	4460944	6	Socket, Female (Gold)	
9	1001178682	1	Cable	

SECTION 7 - ELECTRICAL

FIGURE 7-36. GROUND TO PLATFORM HARNESS

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



ART_1001178684

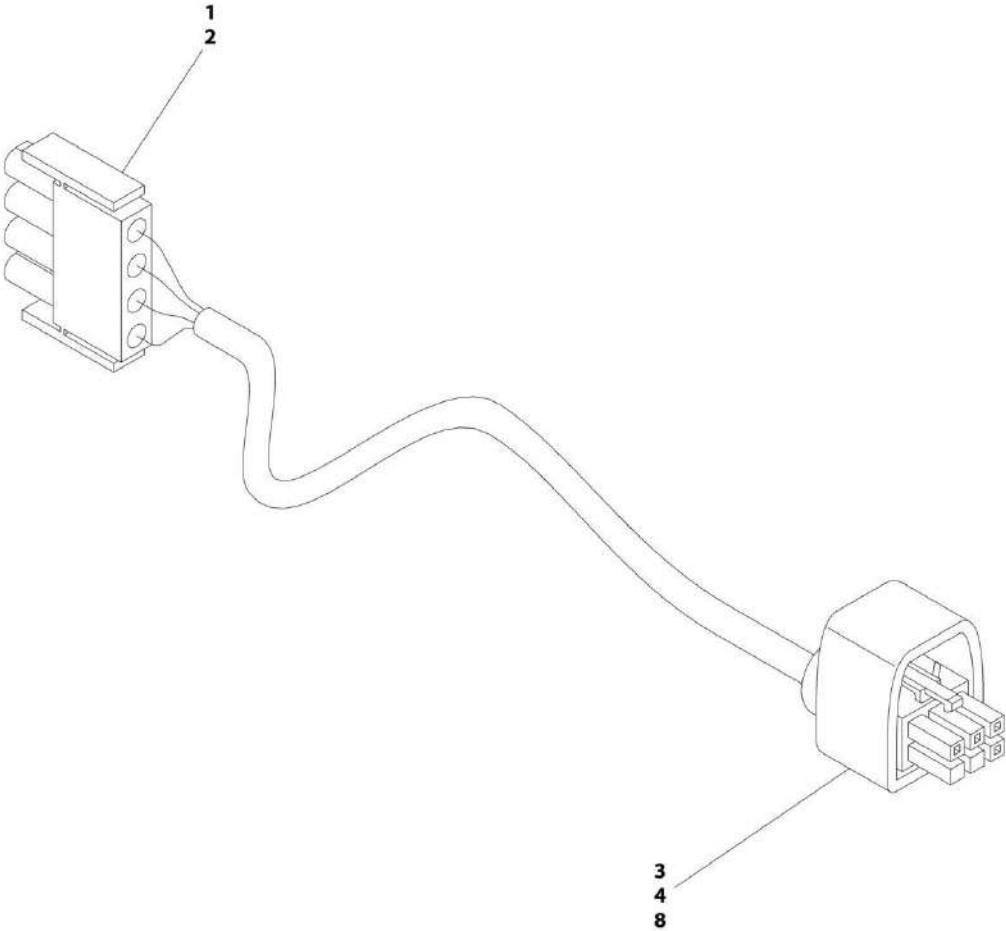
SECTION 7 - ELECTRICAL

FIGURE 7-36. GROUND TO PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178684	Ref	GROUND TO PLATFORM HARNESS	D
		Ref	Usage Chart	
		Ref	ANSI Export and China Spec (SN 0200248241 to Present, SN 1200025021 to Present, SN B200024264 to Present, SN M200000141 to Present)	
		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	1	Cable	

SECTION 7 - ELECTRICAL

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



ART_1001093556

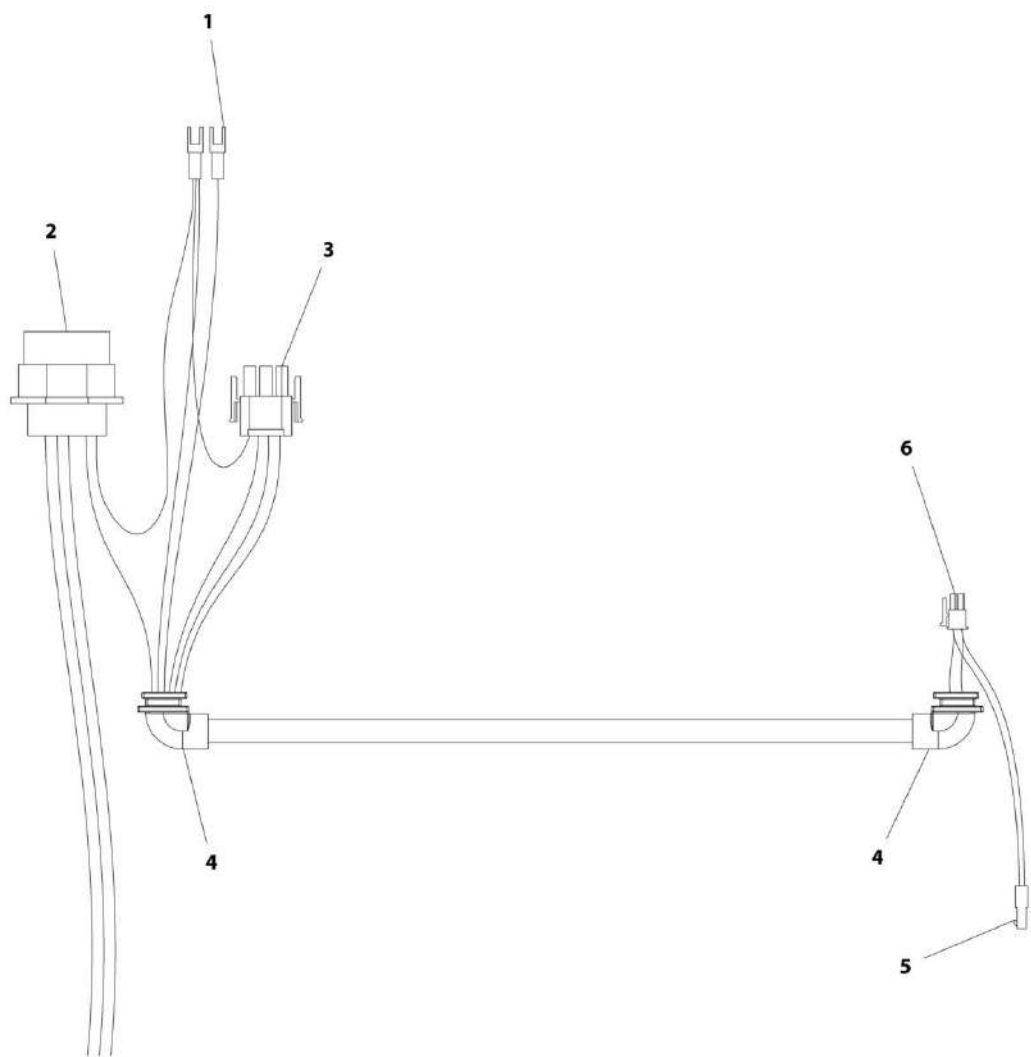
SECTION 7 - ELECTRICAL

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

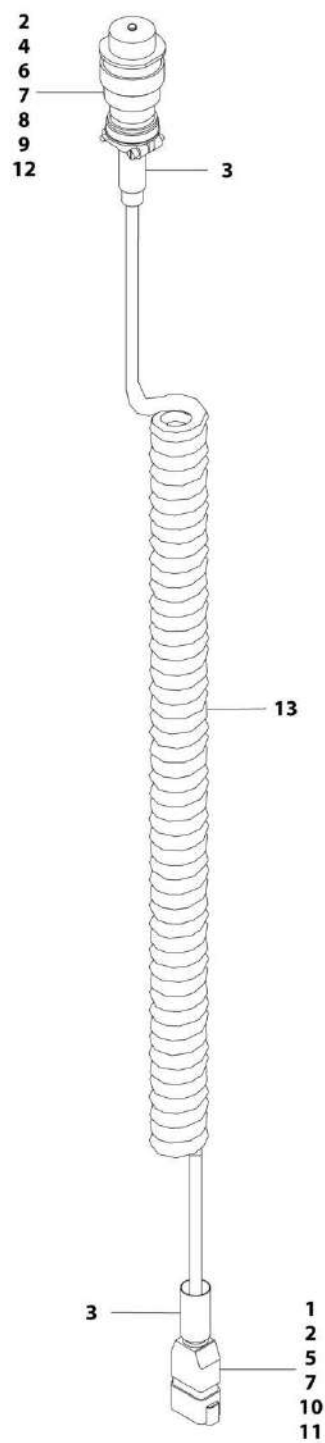
SECTION 7 - ELECTRICAL

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 - 3 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 0200262555, SN 1200025024 to Present, SN B200020297 to Present, SN M200000100 through M200010214)



ART_1001096707

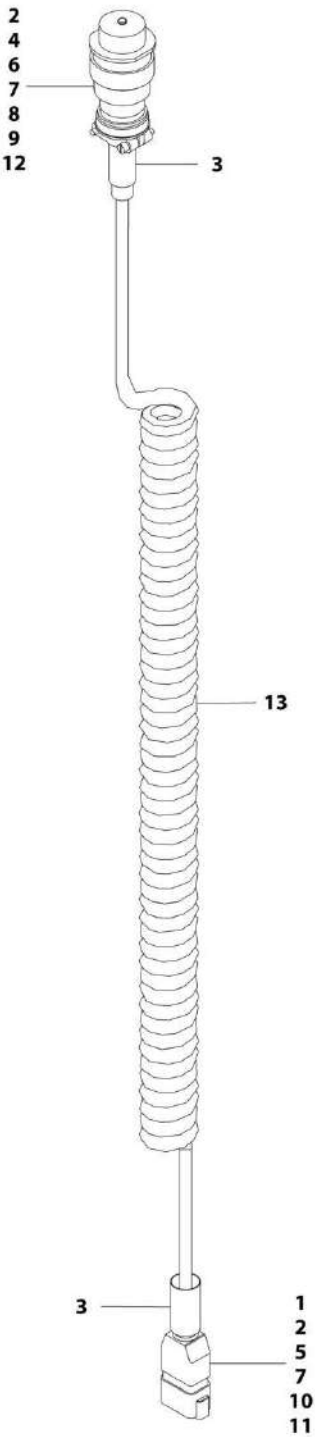
SECTION 7 - ELECTRICAL

FIGURE 7-39. PLATFORM CABLE ASSEMBLY (SN 0200239382 through 0200262555, SN 1200025024 to Present, SN B200020297 to Present, SN M200000100 through M200010214)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096707	Ref	PLATFORM CABLE ASSEMBLY (SN 0200239382 through 0200262555, SN 1200025024 to Present, SN B200020297 to Present, SN M200000100 through M200010214)	F
1	0840058	1	Boot, 8 Position Receptacle	
2	2820026	AR	Insulation, Clear Tubing	
3	2820028	AR	Heat Shrink	
4	3730119	1	Resistor	
5	4460464	4	Pin, Male	
6	4460465	4	Socket, Female	
7	4460466	5	Plug, Sealing	
8	4460493	1	Cap, Dust	
9	4460754	1	Connector -14 Position	
10	4460931	1	Receptacle, Female - 8 Position	
11	4460943	3	Pin, Male (Gold)	
12	4460944	3	Socket, Female	
13	1001094169	1	Cable	

SECTION 7 - ELECTRICAL

FIGURE 7-40. PLATFORM CABLE ASSEMBLY (SN 0200262556 to Present, SN M200010215 to Present)



ART_1001201244

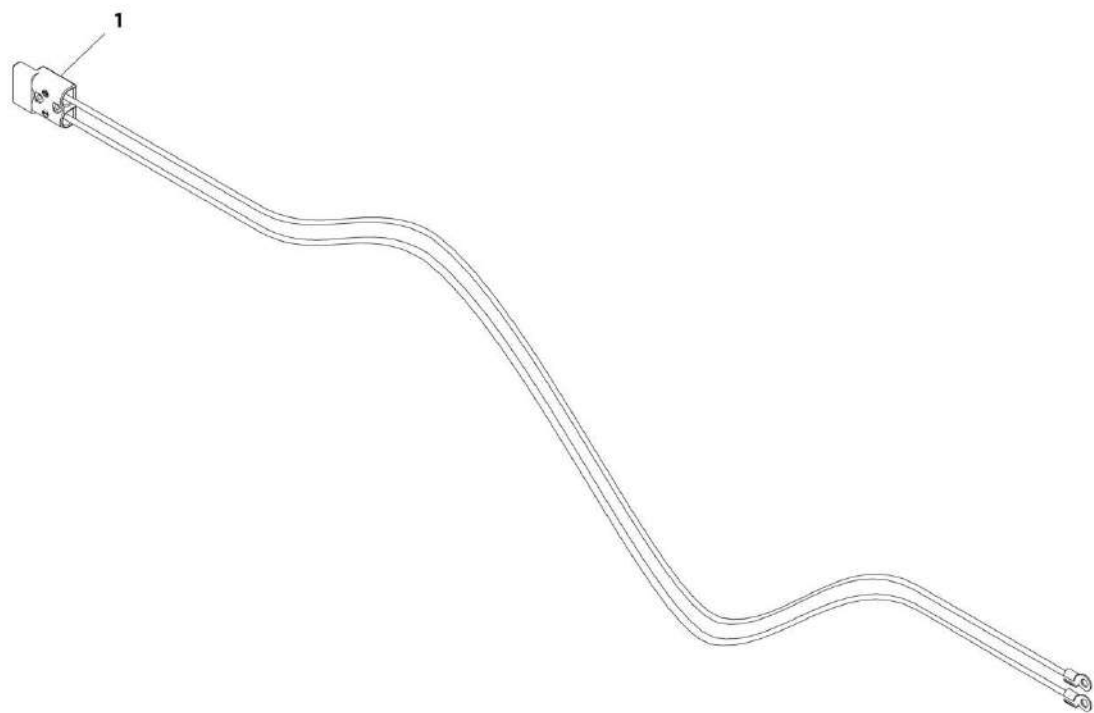
SECTION 7 - ELECTRICAL

FIGURE 7-40. PLATFORM CABLE ASSEMBLY (SN 0200262556 to Present, SN M200010215 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201244	Ref	PLATFORM CABLE ASSEMBLY (SN 0200262556 to Present, SN M200010215 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	1001201241	1	Cable	

SECTION 7 - ELECTRICAL

FIGURE 7-41. PUMP POWER CABLE ASSEMBLY



ART_1001178543

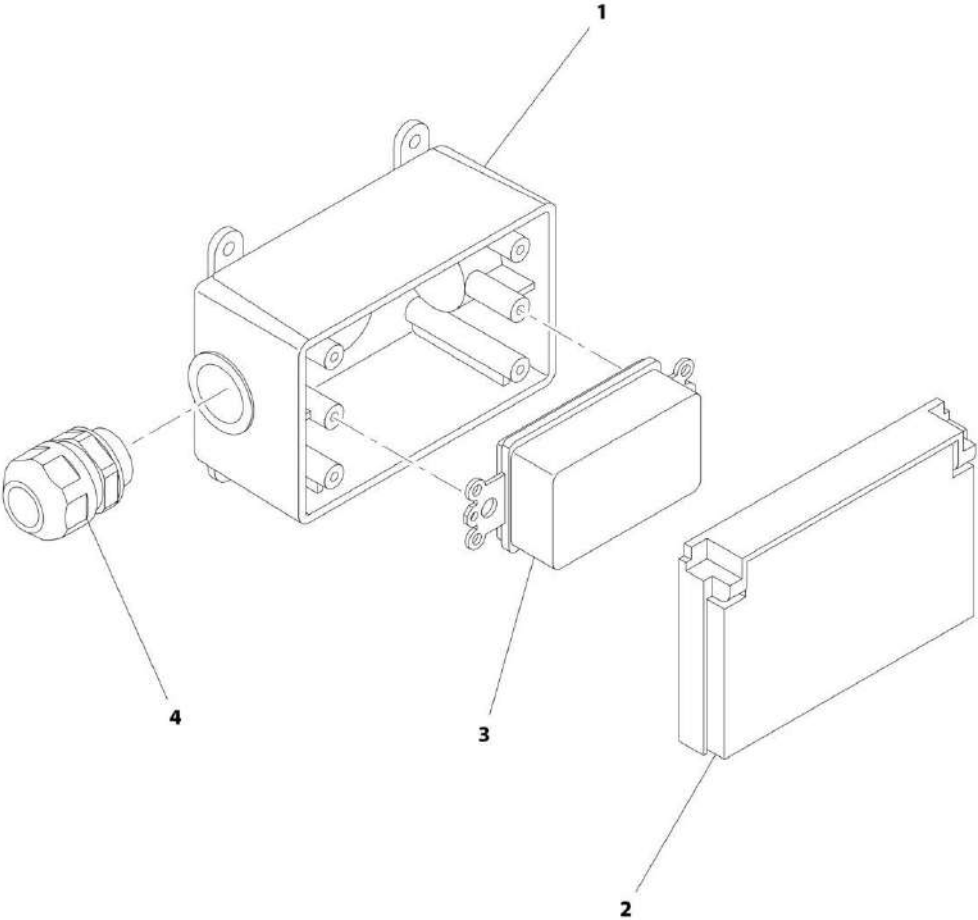
SECTION 7 - ELECTRICAL

FIGURE 7-41. PUMP POWER CABLE ASSEMBLY

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

SECTION 7 - ELECTRICAL

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



ART_2902431

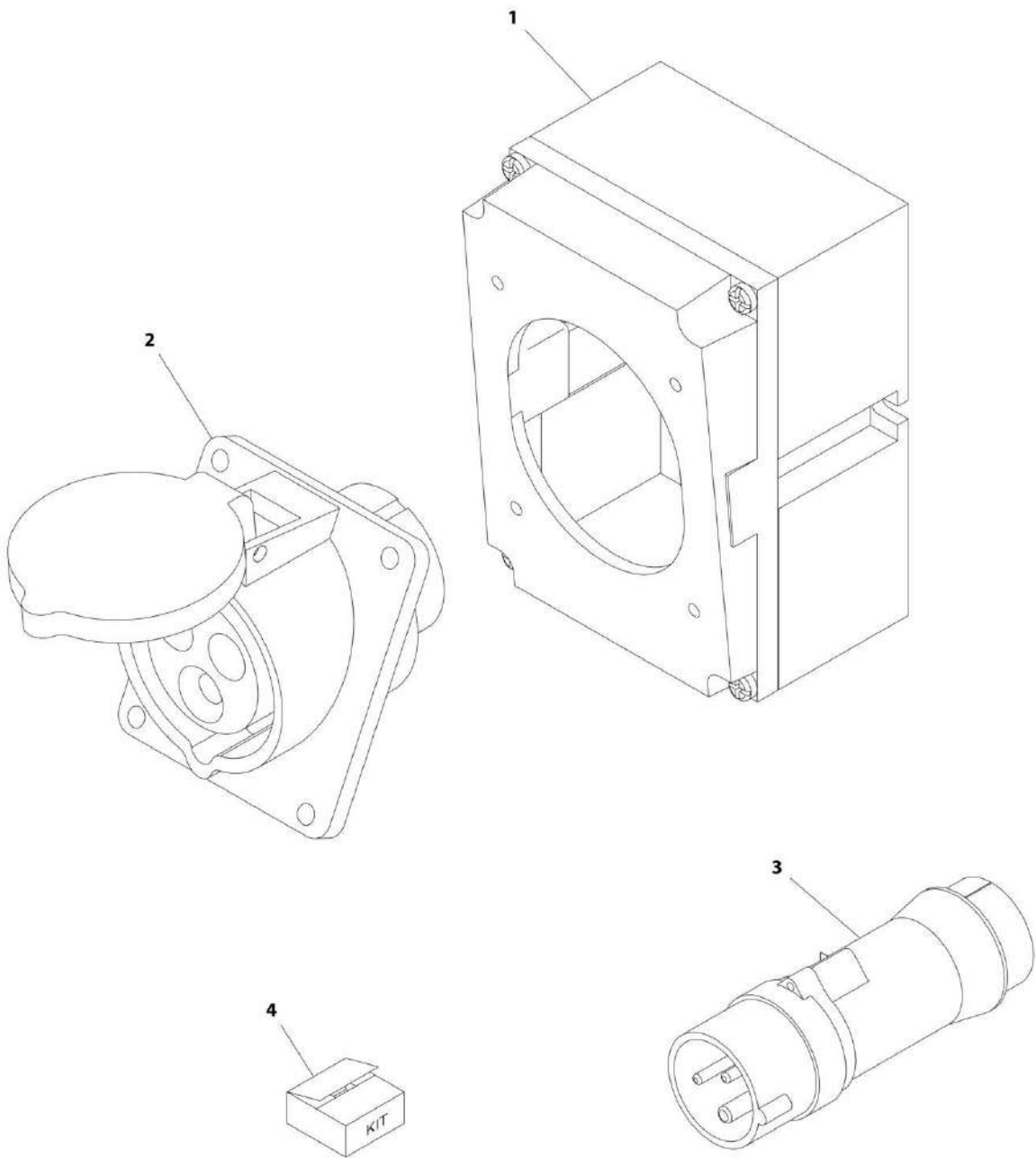
SECTION 7 - ELECTRICAL

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

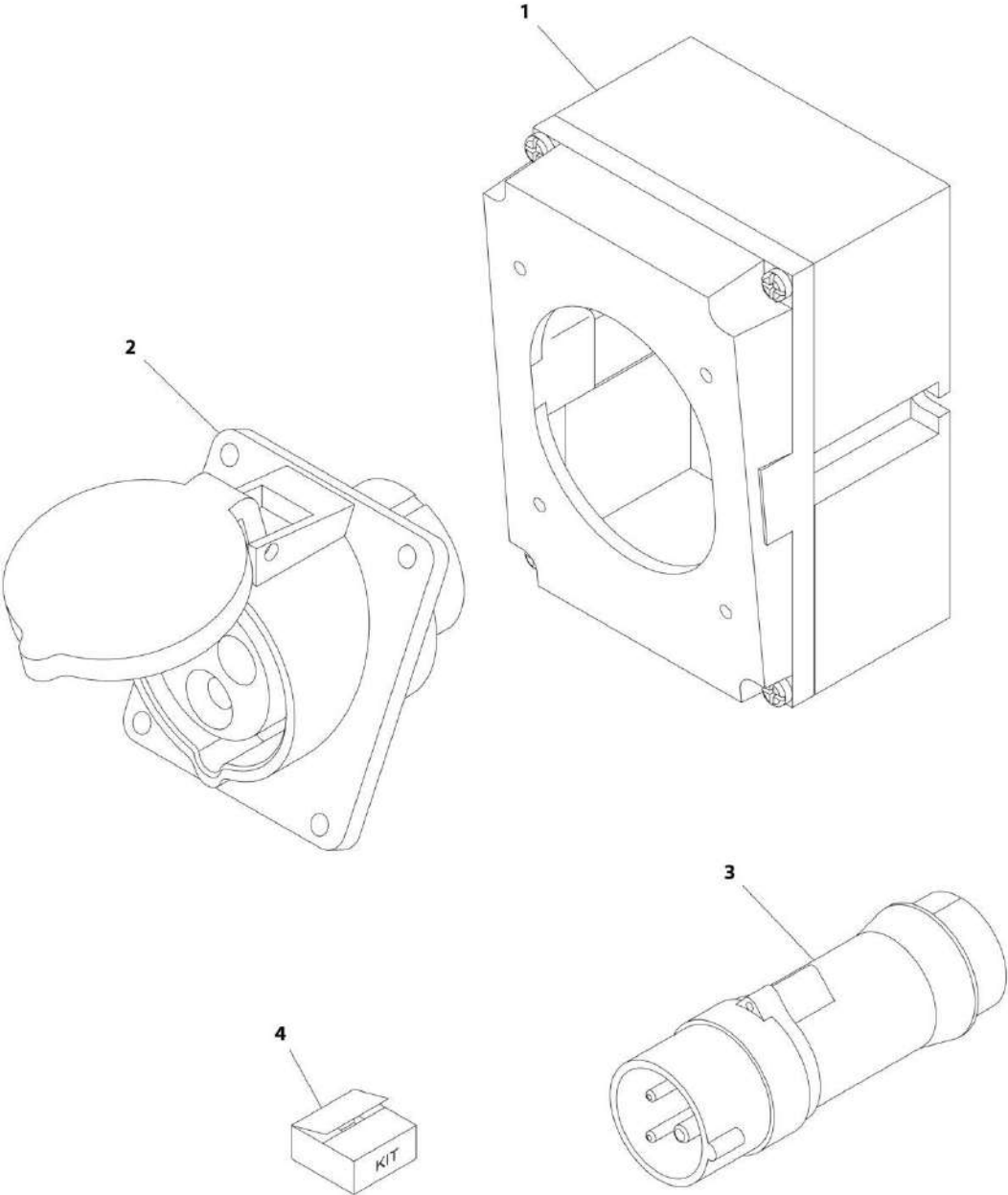
SECTION 7 - ELECTRICAL

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

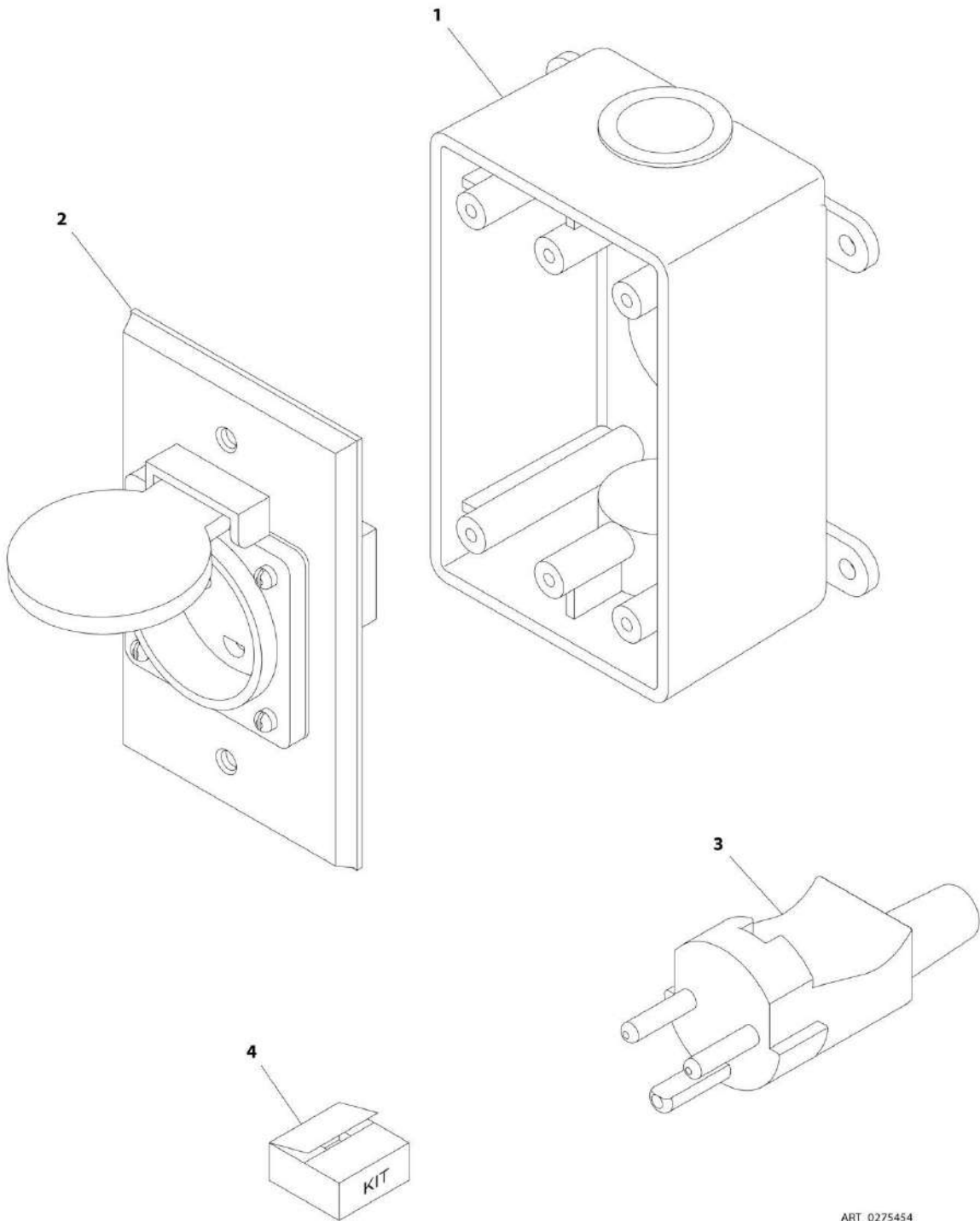
SECTION 7 - ELECTRICAL

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

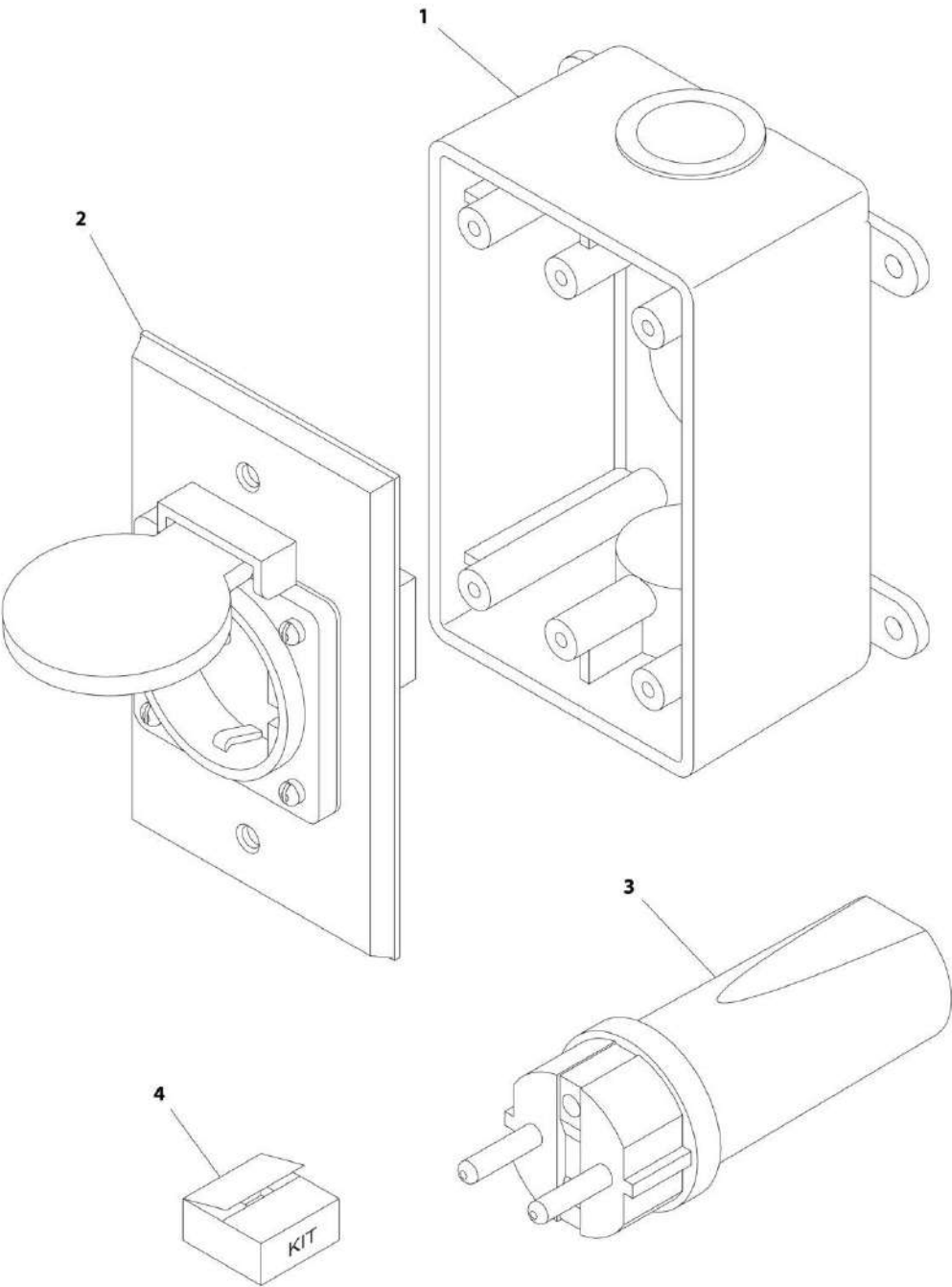
SECTION 7 - ELECTRICAL

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) AND DUAL OUTLET
(CE SPEC - 2646ES)**



ART_0275453

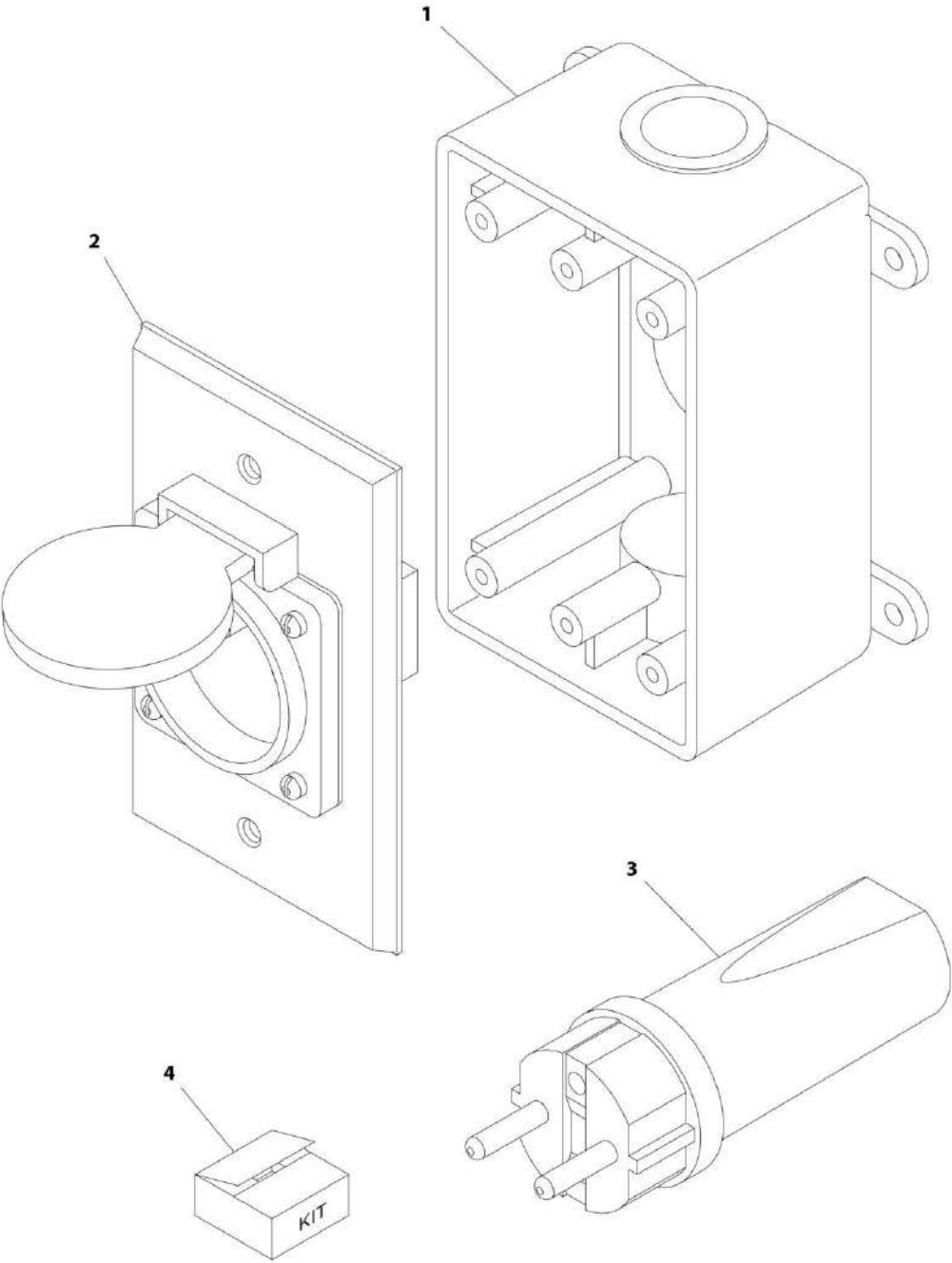
SECTION 7 - ELECTRICAL

FIGURE 7-46. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC) AND DUAL OUTLET (CE SPEC - 2646ES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275453	Ref	RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC) AND DUAL OUTLET (CE SPEC - 2646ES)	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

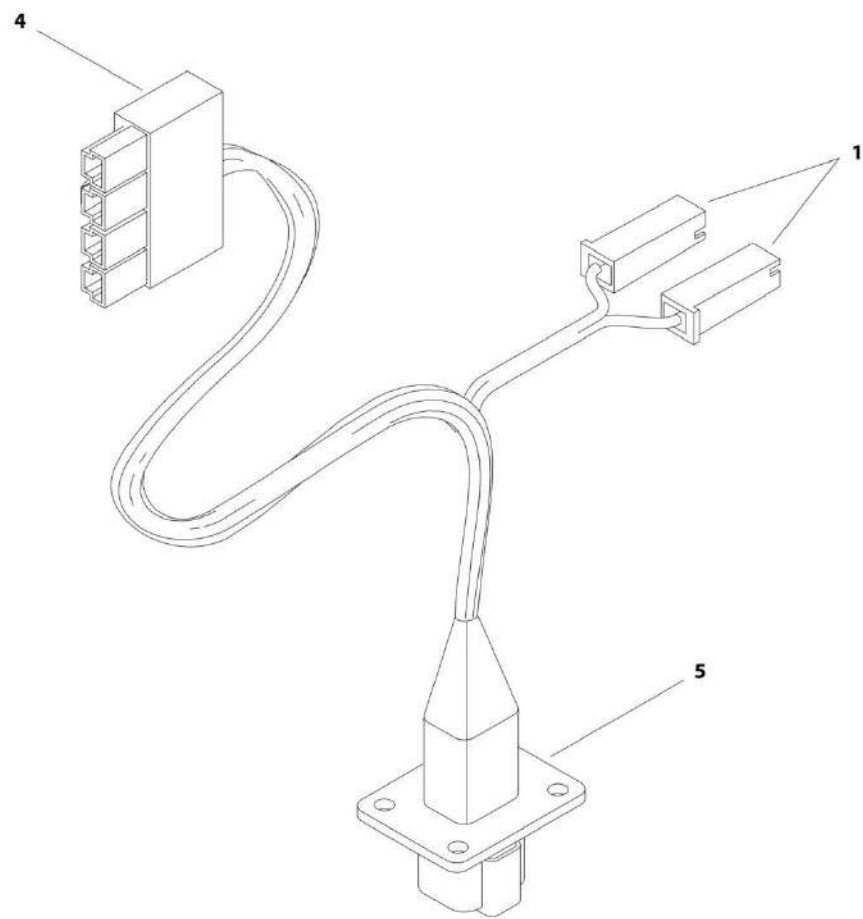
SECTION 7 - ELECTRICAL

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)	1
1	0861731	1	Box, Switch	
2	4461244	1	Receptacle	
3	4461202	NLA	Plug, Male (Use p/n 4461205) (SN 0200239382 through 0200256617, SN B200020297 through B200037371, SN M200000100 through M200002249)	
3	4461205	1	Plug, Male (SN 0200256618 to Present, SN B200037372 to Present, SN M200002250 to Present)	
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

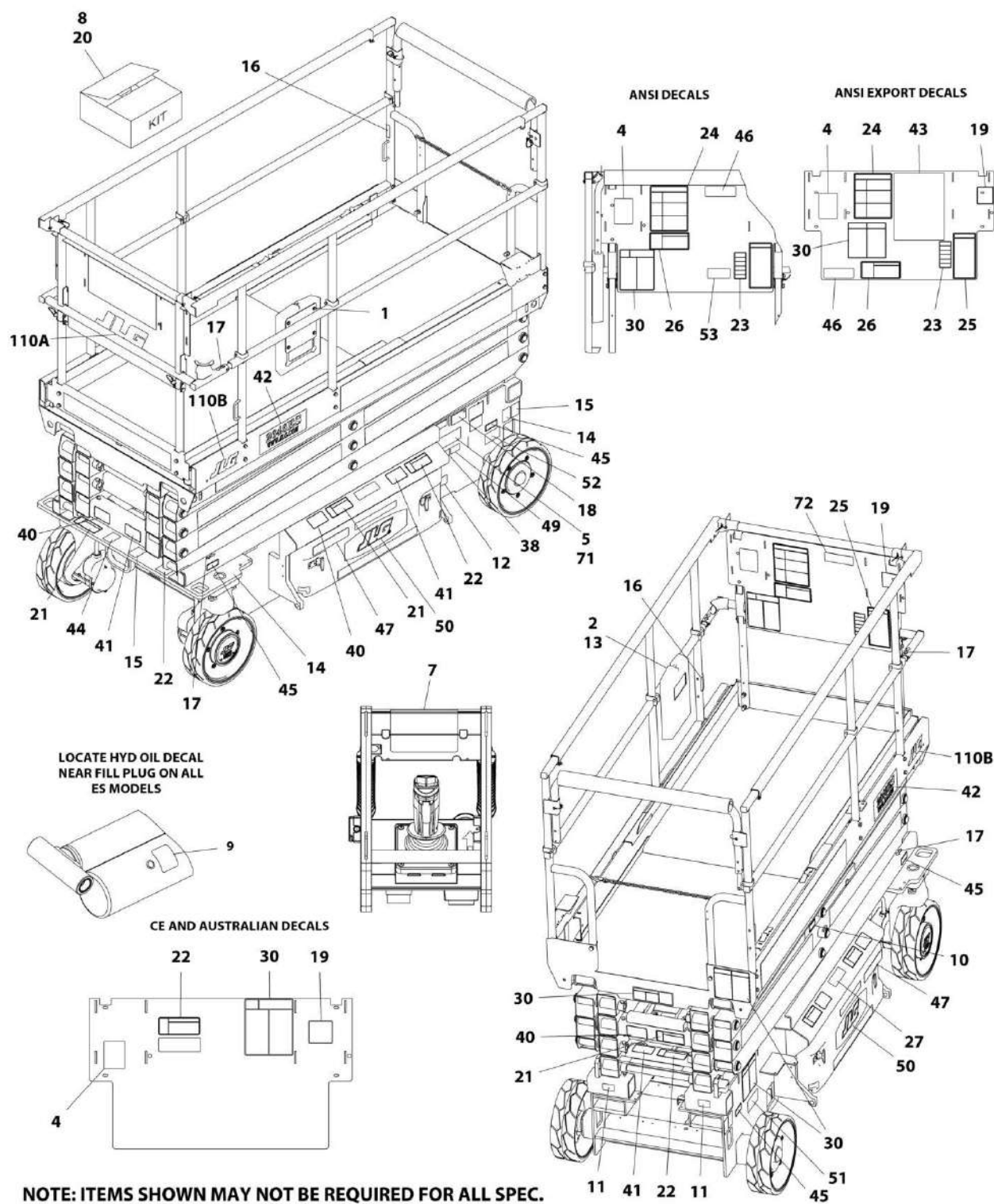
FIGURE 7-48. WORKSTATION POWER HARNESS

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

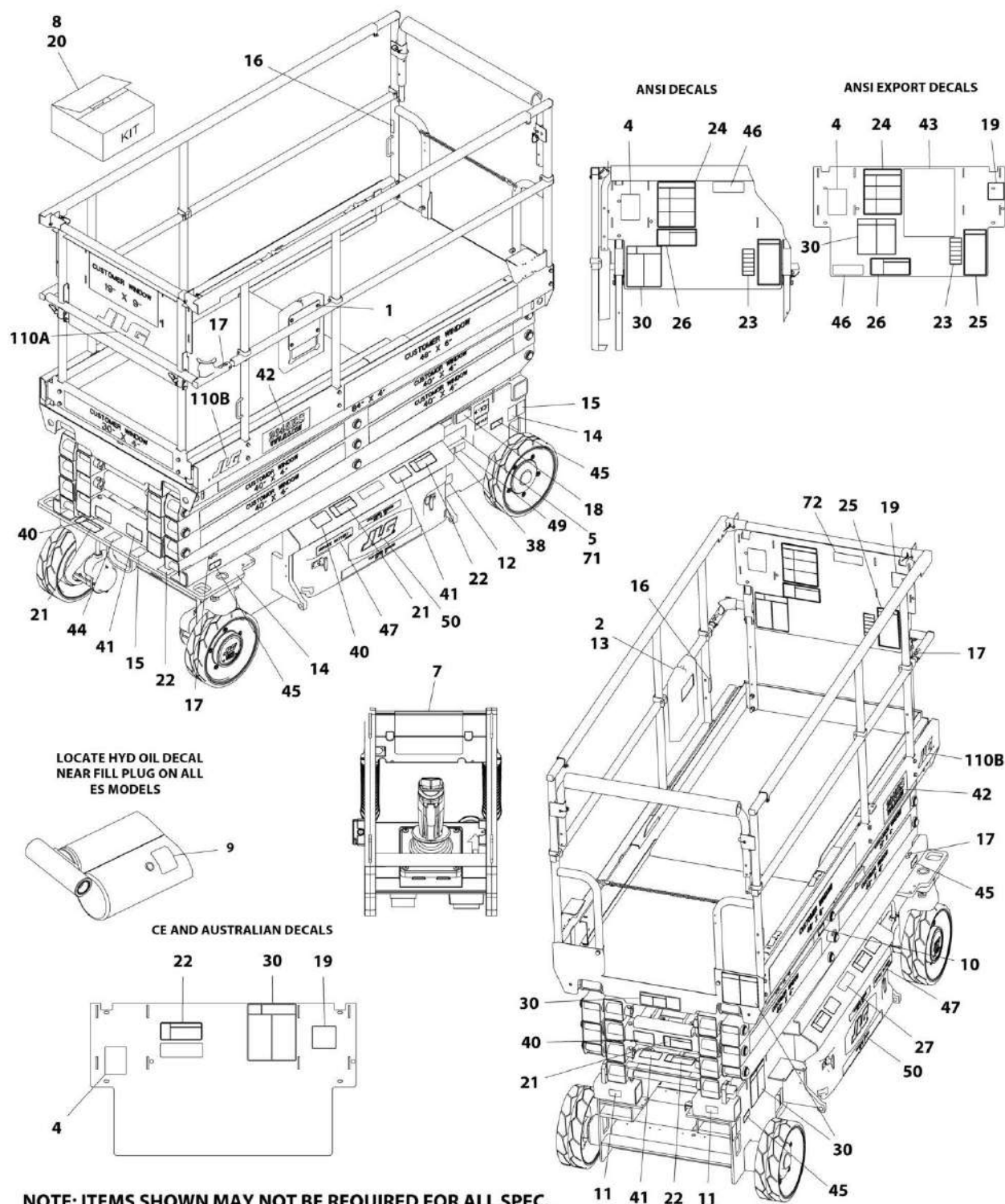
SECTION 8 - DECALS

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 B200037385 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262285 to Present, SN B200038299 to Present, SN M200007989 to Present)	
51	1001223055	1	Decal - Yearly Inspection (SN B200045808 to Present, SN M200015195 to Present)	
52	1001228370	1	Decal - CSA Ices (SN B200045808 to Present, SN M200015195 to Present)	
53	1001231801	1	Decal - Prop 65 (SN B200051668 to Present, SN M200025412 to Present)	

SECTION 8 - DECALS

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



ART_1001181270

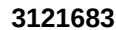
SECTION 8 - DECALS

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181270	Ref	DECAL INSTALLATION - AUSTRALIAN SPEC (ENGLISH)	H
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
5	2080057	4	Fastener	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902523	1	Decal Kit - Australian Spec (Includes Items 21, 22 & 27)	2
21	1705673	4	Decal - Crushing	
22	1705671	5	Decal - Electrocution	
27	1705670	2	Decal - Warning Battery Ventilation/Fire Hazard	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts (SN 0200257823 to Present, SN B200037385 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262285 to Present, SN B200038299 to Present, SN M200007989 to Present)	

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2646ES/3246ES



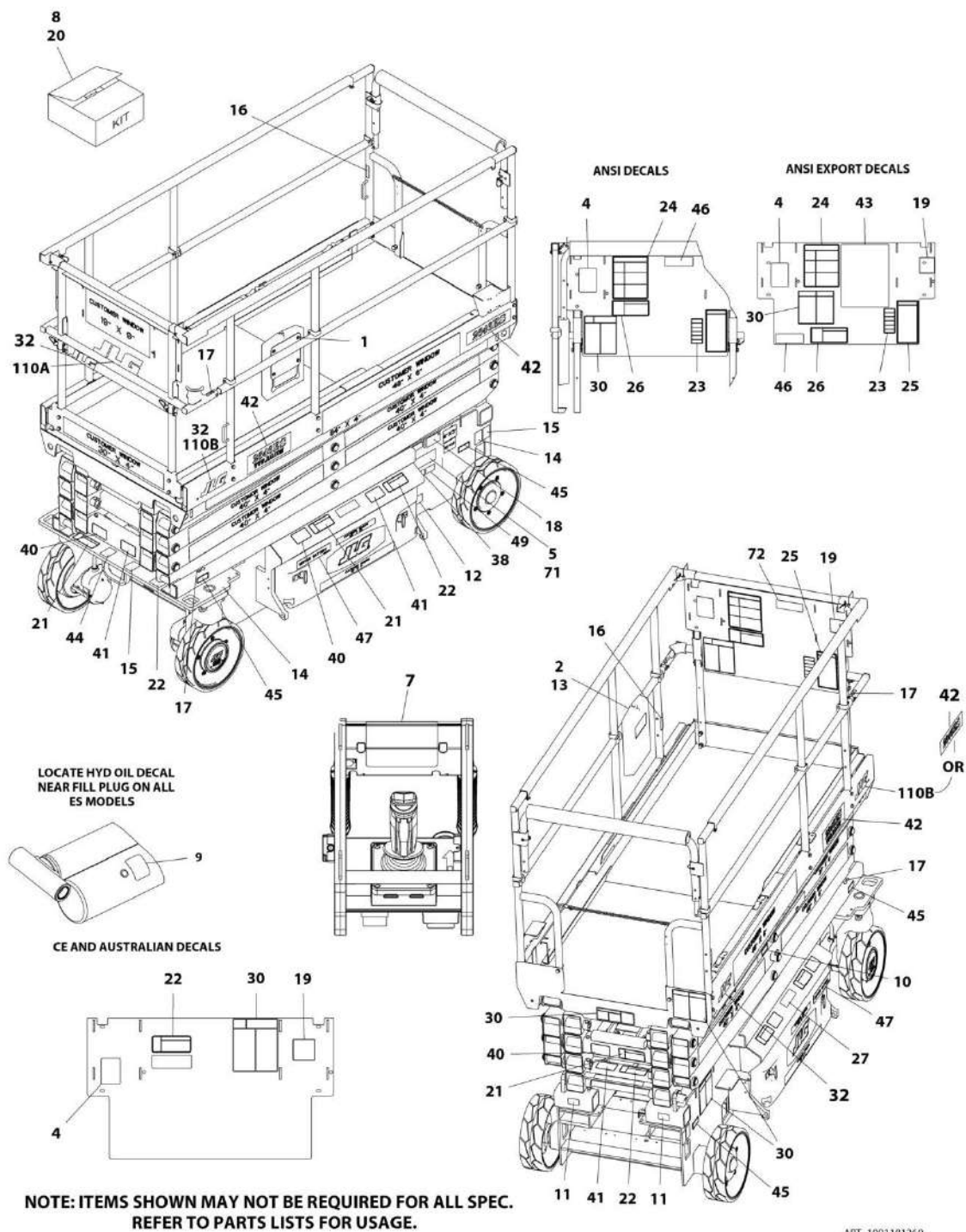
SECTION 8 - DECALS

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 - Electrocution	
27	1704341	2	Decal - Warning Battery Ventilation	
40	1705725	4	Decal - Crushing Hazard	
41	1705724	4	Decal - Electrocution	
43	1705719	1	Decal - Danger/Warning	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts (SN 0200257823 to Present, SN B200037385 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262285 to Present, SN B200038299 to Present, SN M200007989 to Present)	
51	1001224052	1	Decal - Yearly Inspection (SN B200045808 to Present, SN M200015195 to Present)	

SECTION 8 - DECALS

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



ART_1001181269

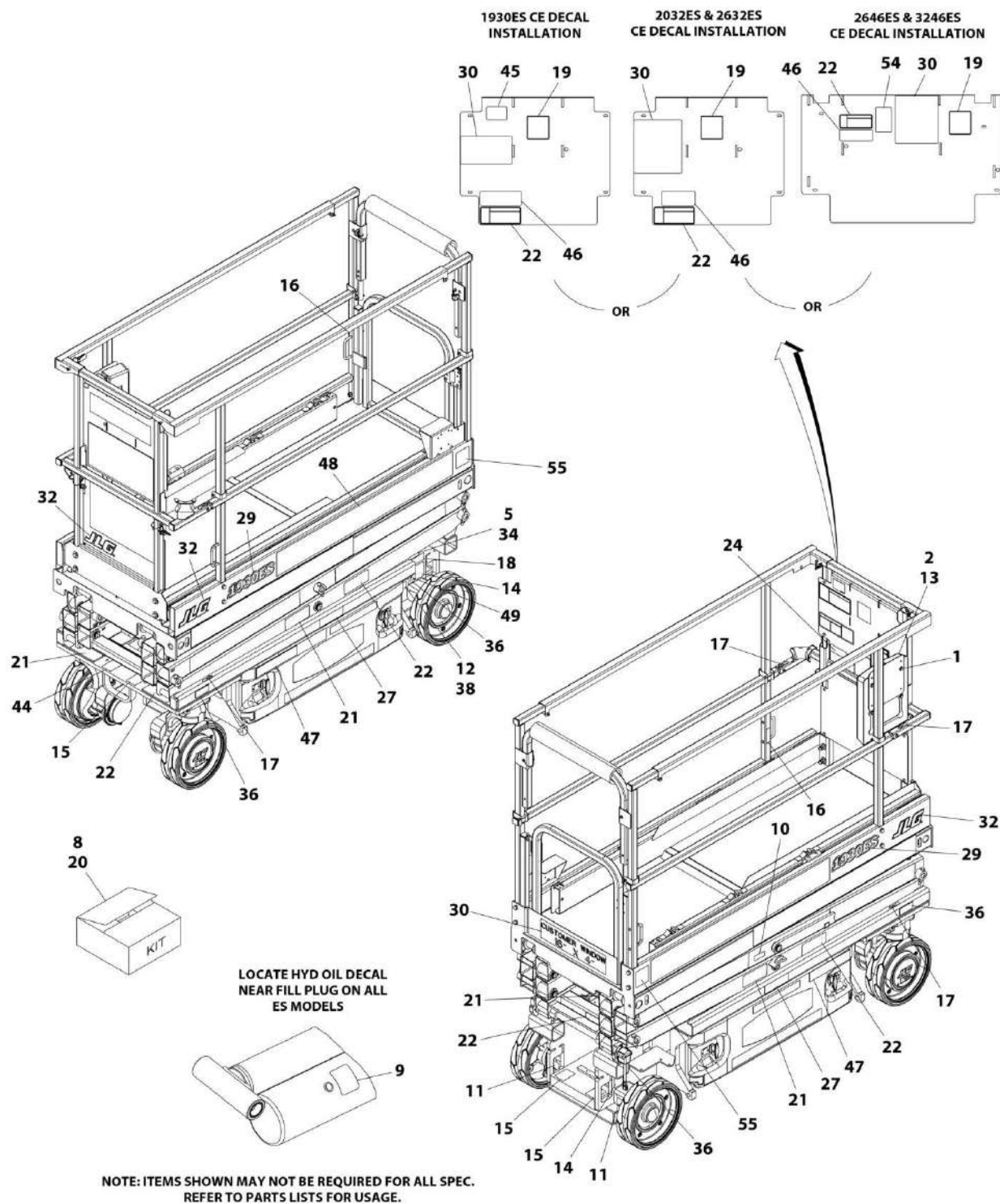
SECTION 8 - DECALS

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181267	Ref	DECAL INSTALLATION – REFERENCE (SN 0200239382 through 0200262222, SN B200020297 through B200038734, SN M200000100 through M200007980)	H
	1001217327	Ref	DECAL INSTALLATION – REFERENCE (SN 0200262223 to Present, SN 1200025021 to Present, SN B200037735 to Present, SN M200007981 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 - Electrocution	
27	1705670	2	Decal - Warning Battery Ventilation/Fire Hazard	
32	1705781	3	Decal - JLG (SN 0200262223 to Present, SN 1200025021 to Present, SN B200038735 to Present, SN M200007981 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 1200025021 to Present, SN B200037385 to Present, SN M200002935 to Present)	

SECTION 8 - DECALS

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



ART_1001232541

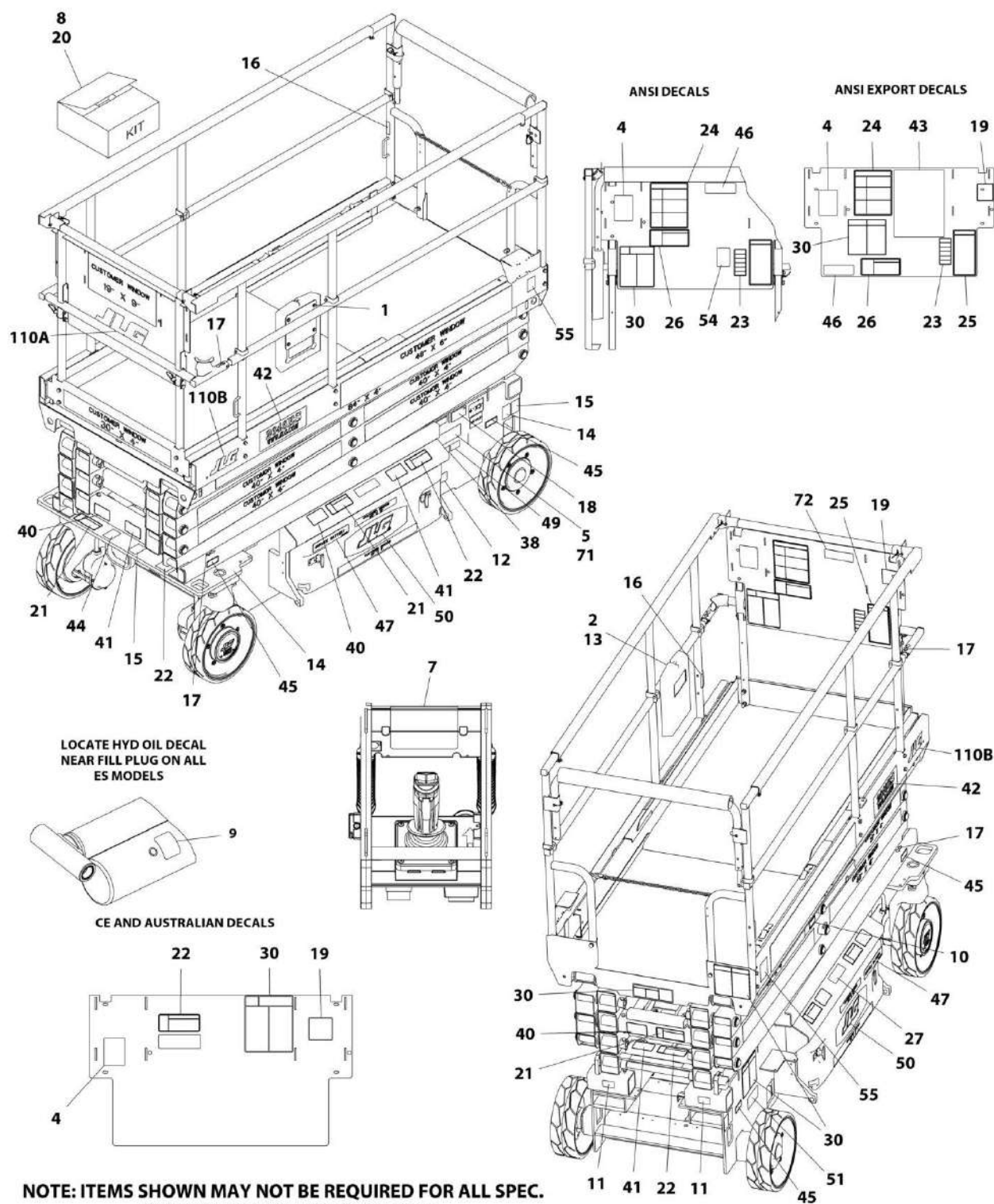
SECTION 8 - DECALS

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 (SN B200051668 to Present, SN M200025412 to Present)	
55	1001244298	1	Decal - Wechat (SN B200051668 to Present, SN M200025412 to Present)	

SECTION 8 - DECALS

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



ART_1001181274

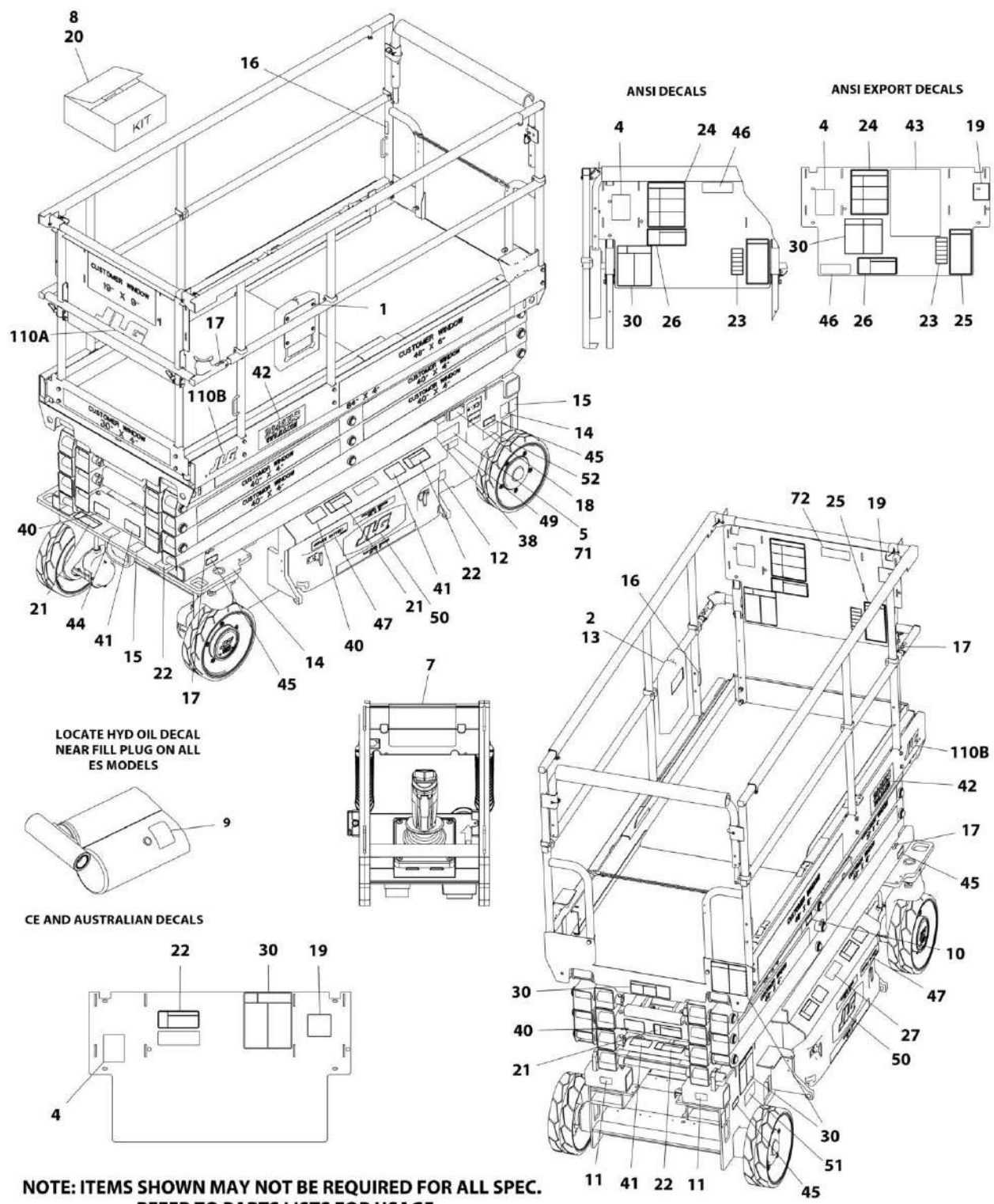
SECTION 8 - DECALS

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 B200037385 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262285 to Present, SN B200038299 to Present, SN M200007989 to Present)	
51	1001224050	1	Decal - Yearly Inspection (SN B200045808 to Present, SN M200015195 to Present)	
54	1001244301	1	Decal - No Over the Rail to Ground (SN B200051668 to Present, SN M200025412 to Present)	
55	1001244298	1	Decal - Wechat (SN B200051668 to Present, SN M200025412 to Present)	

SECTION 8 - DECALS

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



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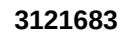
SECTION 8 - DECALS

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	1001131270	1	Decal - Patent	
5	2080057	4	Fastener	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902524	1	Decal Kit - CSA Spec (Includes Items 21-27, 40 & 41)	B
21	1705694	4	Decal - Crushing	
22	1705695	4	Decal - Warning/Danger	
23	1705723	1	Decal - Legend	
24	1705680	1	Decal - Danger/Warning	
25	1705679	1	Decal - Inspection	
26	1705681	1	Decal - Electrocution	
27	1704340	2	Decal - Warning Battery Ventilation	
40	1705717	4	Decal - Crushing	
41	1705718	4	Decal - Electrocution	
43	3252098	1	Nameplate - Warning/Danger	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts (SN 0200257823 to Present, SN B200037385 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262285 to Present, SN B200038299 to Present, SN M200007989 to Present)	
51	1001223971	1	Decal - Yearly Inspection (SN B200045808 to Present, SN M200015195 to Present)	
52	1001228370	1	Decal - CSA Ices (SN B200045808 to Present, SN M200015195 to Present)	

450

2646ES/3246ES



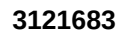
SECTION 8 - DECALS

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 Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902532	1	Decal Kit - Korean Spec (Includes Items 21-27, 40 & 41)	2
21	1705694	4	Decal - Crushing	
22	1705695	4	Decal - Danger Electrocution	
23	1706057	1	Decal - Legend	
24	1705680	1	Decal - Danger/Warning	
25	1705679	1	Decal - Inspection	
26	1705681	1	Decal - Electrocution	
27	1707022	2	Decal - Warning Battery Ventilation	
40	1706052	4	Decal - Crushing Hazard	
41	1706056	4	Decal - Danger Electrocution	
43	1706053	1	Decal - Danger/Warning	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts (SN 0200257823 to Present, SN B200037385 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262285 to Present, SN B200038299 to Present, SN M200007989 to Present)	
51	1001224048	1	Decal - Yearly Inspection (SN B200045808 to Present, SN M200015195 to Present)	

452

2646ES/3246ES



ART 1001181272

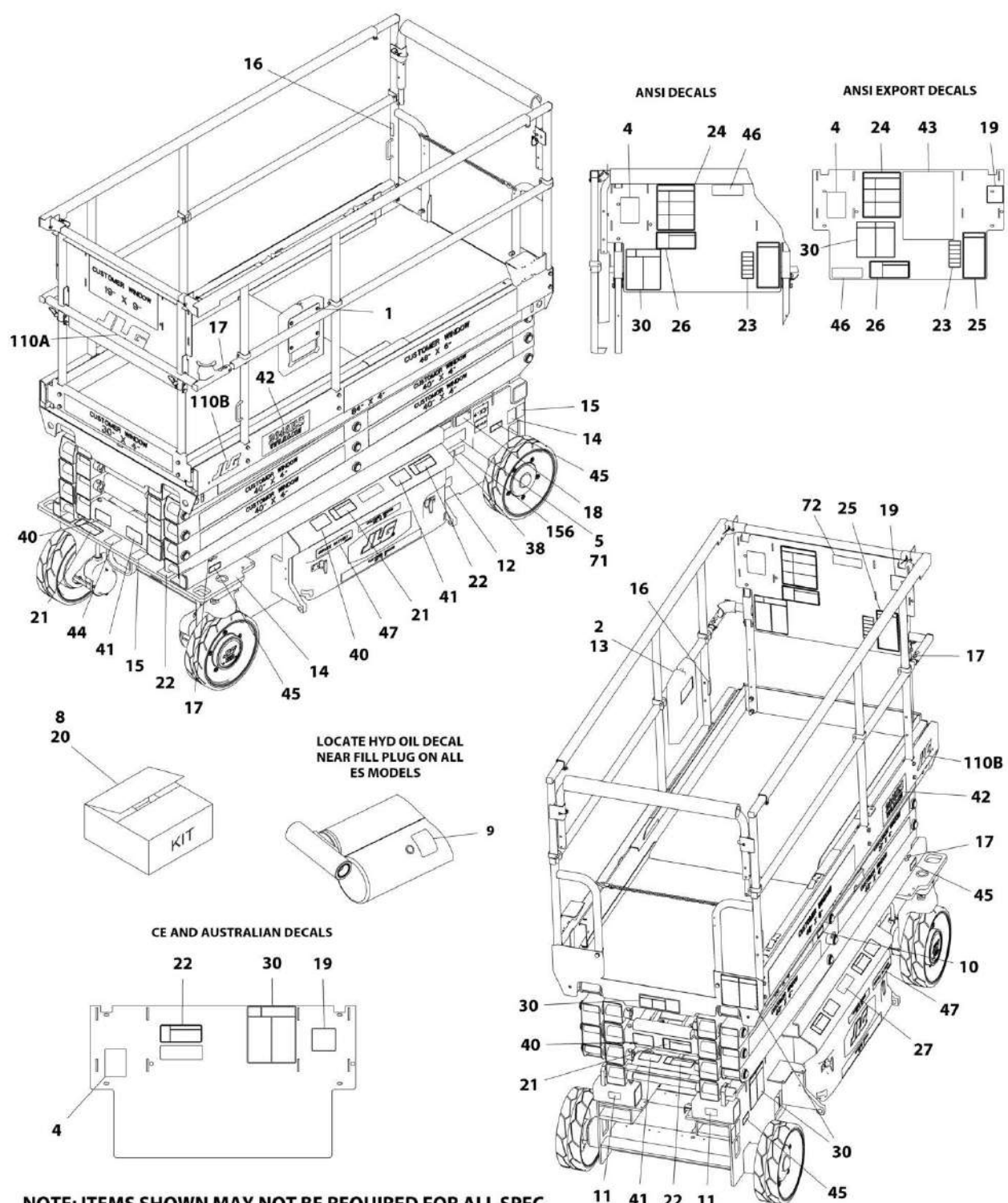
SECTION 8 - DECALS

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 B200037385 to Present, SN M200002935 to Present)	
50	1705754	2	Decal - JLG (SN 0200262285 to Present, SN B200038299 to Present, SN M200007989 to Present)	
51	1001224049	1	Decal - Yearly Inspection (SN B200045808 to Present, SN M200015195 to Present)	

SECTION 8 - DECALS

FIGURE 8-10. DECAL INSTALLATION – OPTIONS



ART_OPTIONAL DECALS

SECTION 8 - DECALS

FIGURE 8-10. DECAL INSTALLATION – OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DECAL INSTALLATION - OPTIONS	
25	0272862	Ref	Corner Safety Stripes Installation	C
25	4420051	51 in/1.3m	Tape, Safety (Not Shown - Located on Platform Extension)	
30	1705640	3	Decal - 1000LB Capacity (2646ES All Specs except Australian, CE and China Specs)	
30	1705668	1	Decal - 450KG (2646ES Australian/CE Specs)	
30	1705641	2	Decal - 1000LB/317KG Capacity (3246ES All Specs except Australian, CE and China Specs)	
30	1705704	1	Decal - 320KG Capacity (3246ES Australian/CE Specs)	
42	1001099922	2	Decal - 2646ES Model Designation	
42	1001099923	2	Decal - 3246ES Model Designation	
45	1706311	4	Decal - Maximum Tire Load (2646/3246ES All Specs except Australian, CE and China Specs)	
45	1706312	4	Decal - Maximum Tire Load (2646/3246ES Australian, CE and China Specs)	
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) (SN 0200239382 through 0200243057)	
110	0272870	Ref	JLG Logo Installation (All Specs Except China Specs)	2
110	1001228965	Ref	JLG Logo Installation (China Specs)	A
110A	1702773	1	Decal - JLG (5 inch) (All Specs Except China Specs)	
110A	1705754	1	Decal – JLG (3.5 inch) (China Specs)	
110B	1705781	2	Decal - JLG (2.75 inch) (All Specs)	
156	1001214029	1	Decal Installation - EAC (Russian/CIS Specs)	A
156	1001173703	1	Decal - EAC (Russian/CIS Specs)	

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 9-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
		Ref	STANDARD PARTS	
	4360069	1	Breaker, Circuit - 10Amp	
	4360328	1	Switch, Toggle	
	2860030	1	Key, Replacement	
	4360475	1	Switch, Mushroom	
	4360387	1	Switch, Push Button	
	1001092354	1	Switch, Rotary Angle Sensor	
	1600402	1	Controller, Drive/Steer	
	4360538	1	Switch and Membrane	
	4360539	1	Switch, Toggle	
	1001097347	1	Relay	
	70004928	1	Filter - 300 Micron	
	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 - 16Amp (CE Spec Only)	
	1001109482	1	Breaker, Circuit - 30mA (CE Spec Only)	
	1001152479	1	Breaker, Circuit - Double 16Amp (CE Spec Only)	

SECTION 10 - SPECIAL OPTIONS

SECTION 10 - SPECIAL OPTIONS

FIGURE 10-1. SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact the JLG Parts Department.	
		Ref	SPECIAL OPTIONS	
	0272843	Ref	AC Plug and Receptacle Installation (Customer Supplied Plug and Receptacle)	
	0274446	Ref	Airline Installation (2646/3246ES)	
	0272913	Ref	Alarm Installation - Motion (See GROUND CONTROL BOX /ALARM INSTALLATION for Components)	
	1001183458	Ref	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)	
	1001191850	Ref	Arm Guards Installation (China Built Machines)	
	1001190010	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	
	1001149798	Ref	Decal Kit - Complete (2646ES)	
	1001149799	Ref	Decal Kit - Complete (3246ES)	
	2902522	Ref	Decal Kit - Country Spec (ANSI)	
	2902523	Ref	Decal Kit - Country Spec (Australian/CE)	
	2902526	Ref	Decal Kit - Country Spec (Brazil)	
	2902528	Ref	Decal Kit - Country Spec (Chinese)	
	2902524	1	Decal Kit - Country Spec (CSA)	
	2902532	Ref	Decal Kit - Country Spec (Korean)	
	2902525	1	Decal Kit - Country Spec (Latin American)	
	2902267	Ref	Decal Kit - Master	
	1001091968	Ref	Decal Kit - Platform Box	
	1001091393	Ref	Decal and Housing Kit - Platform Box	

SECTION 10 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091965	Ref	Decal, Housing and PC Board Kit - Platform Box	
	1001233087	Ref	INSTALL,MOTOR COVER,ES3246	
	2915043	Ref	Drive Motors Replacing Kit (Peerless Motors)	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Amp/Tyco Electrical Connector Kit	
	1001148903	Ref	Deutsch DT Electrical Connector Kit	
	1001148904	Ref	Deutsch HD Electrical Connector Kit	
	1001148905	Ref	Packard Electrical Connector Kit	
	1001148906	Ref	Various Electrical Connectors Kit	
	1001184842	Ref	Electrician's Package without Power (Note: See PLATFORM SECTION)	
	1001184843	Ref	Electrician's Package with 12VDC Power (Note: See PLATFORM SECTION)	
	1001109345	Ref	ES Pothole Protection Switch Kit	
	0274849	Ref	Fire Extinguisher Installation (ANSI Spec Only) (SN 0200239382 through 0200245234)	
	1001189484	Ref	Fire Extinguisher Installation (ANSI Spec Only) (SN 0200245235 to Present)	
	0273762	Ref	Footswitch Installation with LSS (ANSI Export, Japanese and Korea Specs)	
	1001185669	Ref	Footswitch Installation without LSS (Factory Installed) (Japanese Spec Only)	
	1001192500	Ref	Footswitch Installation without LSS (Add-on Kit) (Japanese Spec Only)	
	1001219426	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)	
	1001154518	Ref	Inverter/Battery Charger (900W-60Hz) Installation (2646/3246ES ANSI Spec Only)	
	1001140336	Ref	Latch, Magnetic Gate (ANSI, ANSI Export, Australian, China, Japanese and Korea Specs)	
	0273454	Ref	Lifting Lugs Installation (Factory Installed) (All Specs except Australian Specs)	
	1001229207	Ref	Lifting Lug Add-On Kit (Customer Installed) (All Specs except Australian Specs)	
	1001215518	Ref	Machine Kit	C
	1001215522	1	2646ES Machine Sub-Assembly	B
	1001215524	1	3246ES Machine Sub-Assembly	B
	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)	
	1001199182	Ref	Pipe Rack Installation Kit (Customer Installed)	
	1001184845	Ref	Plant Maintenance Package (Note: See PLATFORM SECTION)	
	1001238848	Ref	Platform Chain Entry Kit	
	1001118216	Ref	Platform Control Box Cover Installation (ANSI Export, CE, Chinese, Japanese, Korea and UL Specs)	
	1001104468	Ref	Platform Corner Hook Kit	
	1001231786	Ref	Platform Extension Block Installation	
	1001214536	Ref	Platform Extension Lock Replacement Kit	

SECTION 10 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213818	Ref	Platform Overhead Switch Kit	
	1001213858	Ref	Platform Overhead Switch Kit	
	1001176745	Ref	Platform Rail Padding Installation (Available on All Specs)	
	1001176750	Ref	Platform Rail Padding with Limit Switches (ANSI and UL Specs)	
	1001176748	Ref	Platform Rail Padding with Limit Switches (ANSI, ANSI Export, Chinese and Korea Specs)	
	1001232572	Ref	Platform Soft Touch Kit (ANSI, ANSI Export and China Specs)	
	1001180073	Ref	Platform Worklights Installation (Note: Not Available on UL Machines)	
	1001182326	Ref	Platform Worklights Installation (Available on All Specs)	
	1001220688	Ref	Platform Worklights Installation - 24Volt (Dual) (ANSI Export, China and Korea Specs Only)	
	1001184844	Ref	Plumber's Package (Note: See PLATFORM SECTION)	
	1001176752	Ref	Rail Pads with Proximity Switch Installation (CE and Australian Specs)	
	1001176754	Ref	Rail Pads with Proximity Switch Installation - 2646ES (ANSI Export, Chinese and Korea Specs)	
	1001171015	Ref	RCD Box Installation (Brazil Spec Only)	
	3125053	Ref	Video, Operators (ANSI, ANSI Export and UL Specs)	
	1001212459	Ref	Voltage Guard Installation (ANSI Export and Korea Specs)	
	1001186498	Ref	Voltage Guard Installation (Green Power) (Chinese Spec)	
	1001186498	Ref	Voltage Guard Installation (Green Power (ANSI Export Specs) (SN 0200238382 through 0200261035, SN B200020297 through B200036742, SN M200000100 through M200007339)	
	1001221857	Ref	Voltage Guard Installation (ANSI Export and Korea Specs)	
	1001221857	Ref	Voltage Guard Installation (Chinese Specs) (SN M200000100 through B200046724)	
	1001185053	Ref	White Noise Motion Alarm Kit	
	1001193039	Ref	ZAPI Programming Harness	

PART NUMBER INDEX

PART NUMBER INDEX

0060092.....31, 33	0272980..... 53	0641514 275	0860520.... 437, 439, 441,
0060093.....31, 33	0273454 461	0700608 273	443, 445, 447, 449,
0100011...15, 17, 51, 117,	0273698 ... 89, 91, 95, 97,	0700610 255	451, 453
215, 217, 219	101, 103, 107, 109	0700614 . 31, 33, 55, 371,	0861527.....277
0100048....117, 207, 209,	0273762 461	373	0861650.....109
367, 369, 371, 373,	0273859 461	0700615 ... 59, 61, 63, 65,	0861677.....111
375, 377	0273956 253	67, 69, 71, 73, 263,	0861678.93, 99, 105, 111
0100051....89, 91, 93, 95,	0273965 251	265, 267	0861731.... 421, 427, 429,
97, 99, 101, 103, 105,	0274126 460	0700616 43	431
107	0274386 249	0700617 207, 209	0861781..... 423, 425
0140011.....243, 245	0274446 460	0700619 19, 21	0861880.....363
0140043....59, 61, 63, 65,	0274849 461	0701014 233	0902780.....51
67, 69, 71, 73	0275020 101	0701015 31, 33	0902906.....53
0200783....125, 129, 133,	0275021 105	0701016 15, 17, 125, 129,	0903319.....51
137, 141, 145, 149,	0275022 103	133, 137, 141, 145,	0903416.....279
153, 158, 164, 170,	0275042 95	149, 153, 158, 164,	0903484.....355
176, 182, 188, 194, 200	0275043 99	170, 176, 182, 188,	0903566.... 345, 347, 349,
0200789....125, 129, 133,	0275044 97	194, 200	355
137, 141, 145, 149,	0275075 277, 279	0701018 ... 129, 137, 145,	0903569.....345, 347
153, 158, 164, 170,	0275105 51	153, 164, 176, 188,	0962006.... 285, 289, 293,
176, 182, 188, 194, 200	0275216 345, 423	200, 221, 229, 233	297, 300, 304, 308,
0200820....125, 129, 133,	0275217 347, 425	0701019 ... 221, 223, 225,	312, 316, 320, 324, 328
137, 141, 145, 149,	0275401 89	227, 229, 231, 233,	0962181.... 285, 289, 293,
153, 158, 164, 170,	0275432 119	235, 237, 239, 261	297, 300, 304, 308,
176, 182, 188, 194, 200	0275452 353, 431	0701020 ... 125, 133, 141,	312, 316, 320, 324, 328
0200826....125, 129, 133,	0275453 ... 343, 351, 355,	149, 158, 170, 182,	1001091102.....343, 345,
137, 141, 145, 149,	429	194, 233, 241, 261	347, 349, 351, 353, 355
153, 158, 164, 170,	0275454 349, 427	0701021 223, 231	1001091153.....243
176, 182, 188, 194, 200	0275486 338, 349	0701022 ... 123, 125, 127,	1001091154.....245
0200827....125, 129, 133,	0275487 338, 345	129, 131, 133, 135,	1001091272.....243
137, 141, 145, 149,	0275488 338, 347	137, 139, 141, 143,	1001091275.....245
153, 158, 164, 170,	0275530 117	145, 147, 149, 151,	1001091277..... 243, 245
176, 182, 188, 194, 200	0275663 387	153, 155, 158, 161,	1001091278..... 243, 245
0200828....125, 129, 133,	0275664 385	164, 167, 170, 173,	1001091279..... 243, 245
137, 141, 145, 149,	0275665 383	176, 179, 182, 185,	1001091280..... 243, 245
153, 158, 164, 170,	0275666 379	188, 191, 194, 197, 200	1001091283..... 243, 245
176, 182, 188, 194, 200	0275667 381	0701024 ... 203, 205, 207,	1001091393..... 243, 245,
0200829....125, 129, 133,	0275883 17	209	460
137, 141, 145, 149,	0380025 ... 75, 77, 79, 81,	0701027 ... 125, 129, 133,	1001091396..... 243, 245
153, 158, 164, 170,	83, 85, 87	137, 141, 145, 149,	1001091479.....51
176, 182, 188, 194, 200	0400215 ... 101, 103, 105	153, 158, 164, 170,	1001091965..... 243, 245,
0200830....125, 129, 133,	0400216 95, 97, 99	176, 182, 188, 194,	461
137, 141, 145, 149,	0440223 255	200, 203, 205, 207, 209	1001091968..... 243, 245,
153, 158, 164, 170,	0440257 ... 125, 129, 133,	0701029 ... 125, 129, 133,	460
176, 182, 188, 194, 200	137, 141, 145, 149,	137, 141, 145, 149,	1001092354.....123, 127,
0200831....125, 129, 133,	153, 158, 164, 170,	153, 158, 164, 170,	131, 135, 139, 143,
137, 141, 145, 149,	176, 182, 188, 194, 200	176, 182, 188, 194, 200	147, 151, 155, 161,
153, 158, 164, 170,	0440259 15, 17, 333	0710617 263, 265	167, 173, 179, 185,
176, 182, 188, 194, 200	0440265 ... 123, 127, 131,	0740603 253	191, 197, 458
0200832....125, 129, 133,	135, 139, 143, 147,	0760410 53	1001092454.....117
137, 141, 145, 149,	151, 155, 161, 167,	0760605 369, 373, 377	1001092456...19, 21, 458
153, 158, 164, 170,	173, 179, 185, 191, 197	0760606 367, 369, 371,	1001092738....19, 21, 24
176, 182, 188, 194, 200	0440266 ... 125, 129, 133,	373, 375, 377	1001093556.....117, 411
0240054.....273	137, 141, 145, 149,	0760610 ... 89, 91, 93, 95,	1001093839.....51
0240071.....253	153, 158, 164, 170,	97, 99, 101, 103, 105,	1001094105.....411
0240087.....251	176, 182, 188, 194, 200	107, 269, 271, 367,	1001094169.....415
0240142.....269, 271	0440267 ... 125, 129, 133,	369, 371, 373, 375, 377	1001094175.....367, 369,
0272839.....338, 341	137, 141, 145, 149,	0760619 355	371, 373, 375, 377
0272843.....460	153, 158, 164, 170,	0760812 51	1001094180.....367, 371
0272862.....455	176, 182, 188, 194, 200	0761014 ... 203, 205, 207,	1001094203.....117
0272870.....455	0480100 275	209	1001094301.....19, 21
0272874.....35	0561520 ... 203, 205, 207,	0840058 ... 391, 393, 415,	1001094359..... 437, 439,
0272875.....39	209	417	441, 443, 445, 447,
0272878.....460	0610161 ... 75, 77, 79, 81,	0840059 395	449, 451, 453
0272882.....277	83, 85, 87, 458	0840060 359	1001096138..... 391, 393
0272913.....460	0630580 19, 21	0840061 407, 409	1001096627.....355

PART NUMBER INDEX

1001096628 338, 355	1001118216 461	1001157332 141, 145, 308	1001178540 359
1001096707 367, 369, 371, 373, 375, 377, 415	1001119032 403, 405	1001157333 182, 188, 324	1001178541 359
1001096926 355	1001126013 460	1001157337 139, 141	1001178542 359
1001097150 363, 365	1001126903 33	1001157338 179, 182	1001178543 367, 369, 371, 373, 375, 377, 419
1001097347 391, 393, 458	1001126905 33, 458	1001157342 139	1001178682 407, 409
1001099922 455	1001129268 17, 333	1001157343 179	1001178684 371, 373, 409
1001099923 455	1001129291 133, 137, 304	1001157890 393	1001178686 367, 369, 375, 377, 407
1001100341 423	1001129292 170, 176, 320	1001159186 403, 405	1001179400 225, 227, 235, 237
1001100342 425	1001130614 259, 261, 458	1001159192 93	1001179402 225, 227, 235, 237
1001100345 431	1001131007 131	1001162362 351, 353	1001179409 225, 227, 235, 237
1001100346 427	1001131008 167	1001162447 338, 351	1001179410 225, 227, 235, 237
1001100347 429	1001131012 147	1001162449 338, 353	1001179411 225, 235
1001100451 ... 89, 91, 93, 95, 97, 99, 101, 103, 105, 107	1001131013 191	1001163095 ... 75, 79, 83, 87, 458	1001179414 225, 235
1001101540 345, 347, 349, 355	1001131024 131, 133	1001165284 ... 75, 79, 83, 87	1001179415 225, 227, 235, 237
1001102258 ... 35, 37, 39, 41, 43, 45	1001131026 167, 170	1001165286 ... 75, 79, 83, 87	1001179417 225, 227, 235, 237
1001102349 27	1001131030 147, 149	1001165315 ... 75, 79, 83, 87	1001179420 229, 235
1001102351 27	1001131031 191, 194	1001165316 ... 75, 79, 83, 87	1001179428 37
1001102353 27	1001131036 149, 153, 312	1001166194 59, 75	1001179437 225, 227, 235, 237
1001102354 27	1001131037 194, 200, 328	1001166195 67, 83	1001179441 225, 235
1001102489 ... 35, 37, 39, 41, 43, 45	1001131076 17	1001166197 ... 63, 71, 73, 79, 87	1001179442 225, 227, 235, 237
1001102516 255	1001132233 91	1001166255 ... 75, 79, 83, 87	1001179838 221, 225
1001102549 255	1001132439 24, 397	1001166759 338	1001180073 462
1001102562 255	1001136847 460	1001166776 ... 75, 79, 83, 87	1001180090 ... 75, 79, 83, 87
1001103257 35, 37	1001137675 233, 239, 241	1001166823 59	1001180197 273
1001103258 39, 41	1001139000 129, 137, 145, 153, 164, 176, 188, 200	1001166825 67	1001180205 273
1001103471 43	1001139002 129, 137, 145, 153, 164, 176, 188, 200	1001166828 63, 71	1001180216 273
1001104468 461	1001140336 461	1001167256 ... 75, 79, 83, 87, 403	1001180312 41
1001109088 31, 458	1001143663 336	1001169392 458	1001181045 363
1001109232 31, 33	1001146794 437, 439, 441, 445, 447, 449, 451, 453	1001171015 462	1001181267 443
1001109233 31, 33	1001146795 443	1001172008 45	1001181268 437
1001109345 461	1001148902 461	1001172010 45	1001181269 443
1001109475 363, 458	1001148903 461	1001173703 455	1001181270 439
1001109482 363, 458	1001148904 461	1001175188 203, 205, 207, 209	1001181271 449
1001112111 ... 35, 39, 43, 45, 47	1001148905 461	1001175191 211	1001181272 453
1001112112 ... 89, 91, 93	1001148906 461	1001175192 211	1001181273 441
1001112113 ... 35, 39, 43, 45, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107	1001149798 460	1001175461 203, 207, 211	1001181274 447
1001113576 43	1001149799 460	1001176739 229	1001181275 451
1001114466 29	1001152479 365, 458	1001176742 221	1001182062 211
1001114885 61	1001152482 365	1001176745 462	1001182302 203, 207, 215
1001114886 65	1001152483 365	1001176748 462	1001182304 215, 219
1001114925 69	1001152485 351, 353, 365	1001176750 462	1001182305 215, 219
1001114929 61, 77	1001154518 461	1001176752 462	1001182326 462
1001114930 69, 85	1001155843 125, 129, 300	1001176754 462	1001182338 215, 219
1001114932 65, 81	1001155844 158, 164, 316	1001176756 271	1001182339 211, 213
1001114933 ... 77, 81, 85	1001155851 15, 331	1001177180 203	1001182847 273
1001114935 ... 77, 81, 85, 401	1001157050 257	1001177181 207	1001183458 460
1001114937 ... 75, 77, 79, 81, 83, 85, 87	1001157319 123, 125	1001177412 55	1001184842 461
1001114992 359	1001157320 155, 158	1001177842 37, 41, 49	1001184843 461
1001115002 367, 369, 371, 373, 375, 377, 395	1001157324 123	1001178164 269	1001184844 462
1001115076 391, 393	1001157325 155	1001178323 215	1001184845 461
1001115077 403, 405	1001157328 15	1001178537 367	1001185053 462
1001117033 19		1001178538 371	1001185669 461
1001117057 391, 393		1001178539 359, 367, 369, 371, 373, 375, 377	1001186498 462
1001117266 31			

PART NUMBER INDEX

1001187231.....367, 369, 371, 373, 391	1001209266 239, 241	1001219360 377	1180380....125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200
1001187585.....225, 227, 235, 237	1001209267 239, 241	1001219386 129, 137, 145, 153, 164, 176, 188, 200	1260136.....221, 223
1001187587.....225, 227, 233, 235, 237, 239, 241, 275	1001209269 239, 241	1001219426 461	1271630.....269, 271
1001187816.....357	1001209270 239, 241	1001220668 369, 373, 377	1320043.....51
1001188116.....357	1001209271 239, 241	1001220688 462	1320136.....39, 41, 43
1001189171.....365	1001209272 239, 241	1001221475 217, 219	1320224.....277
1001189172.....365	1001209273 239, 241	1001221476 217, 219	1320318....207, 209, 367, 369, 371, 373, 375, 377
1001189484.....461	1001209274 239, 241	1001221857 462	1321293....35, 37, 39, 43, 45
1001189762.....225, 227, 235, 237, 257	1001209275 239, 241	1001221949 389	1321716....367, 369, 371, 373, 375, 377
1001190010.....460	1001209280 219	1001221984 389	1380132.....227, 237
1001190137.....257	1001209281 209	1001222914 267	1380153.....15, 17
1001190138.....257	1001210378 239, 241	1001223055 437	1380156.....243, 245
1001191055.....135, 137	1001210433 367, 371, 375	1001223971 449	1380158....207, 209, 367, 369, 371, 373, 375, 377
1001191056.....173, 176	1001211593 343	1001224048 451	1580023.....251, 253
1001191057.....151, 153	1001211892 213	1001224049 453	1580024.....251, 253
1001191058.....197, 200	1001211895 233	1001224050 447	1600387.....207, 209
1001191059.....127, 129	1001211896 233	1001224052 441	1600402....243, 245, 247, 458
1001191060.....161, 164	1001212459 462	1001226419 460	1600439....243, 245, 458
1001191061.....143, 145	1001212702 231	1001227213 43	1671098.....243, 245
1001191062.....185, 188	1001212852 223	1001227219 43	1671105....75, 77, 79, 81, 83, 85, 87
1001191063.....135	1001212873 231, 237	1001227267 43	1671133.....19, 21
1001191064.....173	1001212874 227, 237	1001228370 437, 449	167120289, 95, 101, 107, 113
1001191065.....151	1001212875 227, 237	1001228965 455	1671203.....113, 115
1001191066.....197	1001212876 227, 237	1001229107 460	1671204....91, 93, 97, 99, 103, 105, 115
1001191067.....127	1001212877 223, 227	1001229207 461	1671207.....421
1001191068.....161	1001213525 460	1001229441 275	1671266.....51
1001191069.....143	1001213660 261	1001229469 275	1684489.....284
1001191070.....185	1001213818 261, 263, 462	1001229696 460	1684490.....292
1001191121.....129, 137, 145, 153, 164, 176, 188, 200	1001213820 265	1001230756 259	1684529.....288
1001191850.....460	1001213821 263, 265, 267	1001230975 460	1684530.....296
1001192401.....391, 393	1001213822 263, 265, 267	1001230979 460	1701499....437, 439, 441, 443, 445, 447, 449, 451, 453
1001192500.....461	1001213857 263	1001230980 460	1701509....437, 439, 441, 443, 445, 447, 449, 451, 453
1001193039.....462	1001213858 261, 265, 462	1001230981 460	1702010.....269, 271
1001194180.....375	1001214029 455	1001230982 460	1702155....437, 439, 441, 443, 445, 447, 449, 451, 453
1001196837.....375, 377, 393	1001214121 261	1001230983 460	1702773.....455
1001196838.....393	1001214310 267	1001230984 460	1703464.....341, 345
1001196861.....375	1001214311 261, 267	1001231786 461	1703811....437, 439, 441, 443, 445, 447, 449, 451, 453
1001198711.....357	1001214339 259, 261	1001232146 211	1703813.....437
1001199182.....461	1001214342 261	1001232541 445	1703814....437, 439, 441, 443, 445, 447, 449, 451, 453
1001199189.....275	1001214342 261	1001232572 462	1703819....243, 245, 437, 439, 441, 443, 445, 447, 449, 451, 453
1001200363.....460	1001214409 259, 261	1001233087 461	1703822....437, 439, 441, 443, 445, 447, 449, 451, 453
1001201241.....417	1001214536 461	1001233237 460	1703834.....441
1001201244.....367, 371, 375, 417	1001215241 461	1001233888 109, 111	
1001202618.....403	1001215242 461	1001234398 203, 207, 217	
1001202619.....403	1001215243 461	1001234399 217, 219	
1001208641.....75, 405	1001215247 73	1001234401 217	
1001209104.....107	1001215248 73	1001238848 461	
1001209251.....233	1001215518 461	1001244298 445, 447	
1001209252.....205, 209, 213	1001215522 461	1001244301 445, 447	
1001209253.....233, 239	1001215524 461	1060331 253	
1001209254.....233	1001215870 ... 35, 39, 43, 45	1060379 ... 251, 253, 255, 257, 273, 275, 277	
1001209255.....233	1001216200 205	1060689 43	
1001209256.....205, 209, 219	1001216313 437, 439, 441, 443, 445, 447, 449, 451, 453	1060908 355, 363, 365	
1001209257.....213	1001217327 443	1060957 277	
1001209262.....213	1001217666 267	1060998 359	
1001209265.....239, 241	1001218388 233, 241	1061034 ... 123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197	
	1001219124 21	1120555 251, 253	
	1001219125 461		
	1001219355 369		
	1001219356 373		

PART NUMBER INDEX

1704016 ... 437, 439, 441, 443, 445, 447, 449, 451, 453	1705943 447	2902431 341, 421	3291006 ... 221, 225, 227, 229, 233, 235, 237, 239, 241, 261
1704277 ... 437, 439, 441, 443, 445, 447, 449, 451, 453	1705944 447	2902522 437, 460	3291007 ... 125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200
1704339 453	1705945 447	2902523 439, 443, 445, 460	3300048 277
1704340 449	1705946 447	2902524 449, 460	3300423 27
1704341 441	1705953 277	2902525 453, 460	3300473 243, 245
1704344 447	1705985 257	2902526 441, 460	3300477 ... 221, 223, 229, 231, 233
1704412 ... 437, 439, 441, 443, 445, 447, 449, 451, 453	1705997 251, 253	2902528 447, 460	3310601 253
1705052 51	1706052 451	2902532 451, 460	3311005 253
1705213 277	1706056 451	2902541 345, 347, 349, 355, 363	3311405 253
1705214 277	1706057 451	2915013 29	3311505 275
1705303 455	1706311 455	2915043 461	3321005 ... 75, 77, 79, 81, 83, 85, 87
1705304 460	1706312 455	2915230 47	3321402 ... 123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197
1705305 277	1706350 113, 115	2920026 79, 81, 83, 85, 87	3340612 ... 225, 227, 235, 237, 239, 241
1705640 455	1706679 117	2920094 79, 81, 83, 85, 87	3340957 ... 123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197
1705641 455	1706749 51	2920161 53	3340962 ... 125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200
1705668 455	1706765 460	2940064 221, 223, 458	3340968 243, 245
1705670 439, 443, 445	1706922 460	2940174 113	3380475 243, 245
1705671 439, 443, 445	1707022 451	2940175 115, 461	3380527 253
1705673 439, 443, 445	2030010 279	3010088 221, 223	3421453 257, 273, 277
1705676 243, 245	2080040 ... 225, 227, 229, 231, 233, 235, 237, 239, 241, 437, 439, 441, 443, 445, 447, 449, 451, 453	3010158 31, 33	3421854 275
1705679 ... 437, 447, 449, 451, 453	2080057 ... 437, 439, 441, 443, 445, 447, 449, 451, 453	3080007 229, 231, 233	3422219 ... 251, 253, 255
1705680 ... 437, 447, 449, 451, 453	2110404 15, 17, 331, 333	3125053 462	3422938 207, 209
1705681 ... 437, 447, 449, 451, 453	2220882 ... 285, 289, 293, 297	3200454 123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197	3422997 ... 125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200
1705686 437	2220883 ... 284, 285, 288, 289, 292, 293, 296, 297	3251813 455	3422998 ... 125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200
1705692 ... 437, 439, 441, 443, 445, 447, 449, 451, 453	2300028 461	3252098 449	3423009 ... 125, 133, 141, 149, 158, 170, 182, 194
1705693 ... 437, 439, 441, 443, 445, 447, 449, 451, 453	2300042 461	3252507 343, 347, 349, 351, 353, 357	3423011 ... 125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200
1705694 ... 437, 447, 449, 451, 453	2400060 391, 393	3271805 257	3423014 ... 125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200
1705695 ... 437, 447, 449, 451, 453	2400061 253	3290405 31, 33, 43, 53, 249, 341, 343, 345, 347, 349, 351, 353, 355, 357	3423026 ... 125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200
1705696 75, 77	2400066 253	3290505 43	3423037 15, 17
1705697 ... 79, 81, 83, 85, 87	2420172 ... 75, 77, 79, 81, 83, 85, 87	3290601 367, 369, 375, 377	3423045 31, 33
1705698 ... 75, 77, 79, 81, 83, 85, 87	2540042 413	3290605 19, 21, 31, 33, 43, 55, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 215, 219, 345, 347, 367, 369, 371, 373, 375, 377	3423049 203, 205
1705704 455	2540045 ... 203, 205, 207, 209	3290606 207, 209, 221, 223, 225, 227, 229, 231, 235, 237, 255, 263, 265, 267, 269, 271, 273, 277, 279, 367, 369, 371, 373, 375, 377	3423170 ... 125, 129, 133, 137, 141, 145, 149,
1705717 449	2560088 227, 237	3290607 355	
1705718 449	2560179 243, 245	3290806 227, 237	
1705719 441, 453	2560190 227, 237	3291005 31, 33, 123, 127, 131, 135, 139, 141, 143, 145, 147, 149, 151, 153, 155, 161, 167, 173, 179, 185, 191, 197, 203, 205, 207, 209, 217, 219, 221, 223, 229, 231, 233, 239, 241	
1705720 453	2600281 229, 231, 233		
1705721 441	2700100 251, 253		
1705722 441	2753883 15		
1705723 449	2780266 19, 21, 27		
1705724 441, 453	2792599 336		
1705725 441, 453	2820026 ... 407, 409, 415, 417		
1705726 441	2820028 ... 391, 393, 407, 409, 415, 417		
1705727 441	2820097 221, 223		
1705754 ... 113, 115, 277, 437, 439, 441, 447, 449, 451, 453, 455	2820152 393		
1705781 443, 445, 455	2820239 51		
1705792 269	2860030 ... 75, 77, 79, 81, 83, 85, 87, 458		
1705793 271	2902267 ... 437, 439, 441, 443, 445, 447, 449, 451, 453, 460		
1705894 441	2902331 119		
	2902334 277		
	2902347 255		
	2902348 251, 253		

PART NUMBER INDEX

153, 158, 164, 170, 176, 182, 188, 194, 200	3900336 ... 75, 77, 79, 81, 83, 85, 87	4220252 109, 111	4460375.....391, 393
3423189.....31, 33	3900338 ... 75, 77, 79, 81, 83, 85, 87, 249	4220253 109, 111	4460418....259, 261, 401, 403, 405
3423255....123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197	3900339 ... 75, 77, 79, 81, 83, 85, 87	4220293 31, 33	4460419....259, 261, 401
3423267.....31, 33	3900345 227, 237	4240003 ... 251, 253, 255, 361	4460424.....47, 49, 261
3423278....225, 227, 235, 237	3900355 251, 253	4240033 43, 207, 209	4460464....47, 49, 59, 61, 63, 65, 67, 69, 71, 73, 123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197, 259, 261, 391, 393, 403, 405, 413, 415, 417, 433
3423289.....31, 33	3900356 77, 81, 85	4240147 19, 21	4460465....253, 259, 261, 391, 393, 395, 397, 407, 409, 415, 417
3450406.....27	3900381 43	4240164 273	4460466....259, 261, 391, 393, 403, 405, 407, 409, 413, 415, 417
3460334.....251, 253	3931010 253	4240172 93, 105	4460493.....415, 417
3520072....221, 223, 229, 231, 233, 255	3931408 253	4340739 77, 81, 85	4460496.....413
3520176.....273	3931412... 75, 79, 83, 87, 251, 253	4340853 251, 253	4460497.....413
3520193.....75, 77	3931508 251, 253	4340854 251, 253	4460508.....399
3574161....125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200	3931820 257	4340931 207, 209	4460509.....397
3574176.....31, 33	3951608 119	4340938 277	4460536....59, 61, 63, 65, 67, 69, 71, 73, 123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197
3574505.....269, 271	4010405 357	4360069 ... 75, 77, 79, 81, 83, 85, 87, 458	4460539.....391, 393
3574506.....269, 271	4010408 ... 341, 343, 345, 347, 349, 351, 353, 355	4360155 277	4460648.....47, 391, 393
3574981....89, 91, 93, 95, 97, 99, 101, 103, 105, 107	4010608 ... 277, 279, 351, 353	4360328 ... 75, 77, 79, 81, 83, 85, 87, 458	4460662....343, 349, 351, 353, 355, 421
3574984....89, 91, 93, 95, 97, 99, 101, 103, 105, 107	4010612 345, 347	4360345 259, 261	4460754.....415, 417
3575794.....249	4010614 277	4360387 117, 458	4460761.....391, 393
3576349.....55	4010616 ... 221, 223, 225, 227, 229, 231, 235, 237, 367, 369, 371, 373, 375, 377	4360469 ... 75, 77, 79, 81, 87, 458	4460778.....419
3577076.....109, 111	4010617 225, 235	4360470 83, 85, 458	4460868.....411
3730119.....415, 417	4010618 ... 225, 227, 235, 237, 279	4360475 ... 75, 77, 79, 81, 83, 85, 87, 243, 245, 458	4460871.....391, 393
3740150.....19, 21	4031511 259, 261	4360538 243, 245, 458	4460873.....391, 393
3760115.....31, 33	4031512 31, 33	4360539 243, 245, 458	4460877.....411
3760170....125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200, 235, 251, 253, 255, 257, 273, 275, 277	4031607 117	4360613 361, 458	4460878.....433
3760348.....31, 33	4031713, 95, 97, 99, 367, 369, 371, 373, 375, 377	4420037 ... 225, 227, 235, 237, 239, 269, 271	4460884....253, 259, 261, 391, 393, 403, 405
3760387....125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200	4060865 53	4420051 455	4460885.....433
3760463.....19, 21	4060906 259, 261	4420062 251, 253, 275	4460887.....433
3820019.....227, 237	4071094 ... 125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200	4420070 ... 123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197	4460891....261, 391, 393, 395, 397
3820032.....109, 111	4160078 ... 123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197	4460227 47, 49, 261, 391, 393	4460894....391, 393, 395
3841143....125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200	4160202 31, 33	4460259 ... 391, 393, 401, 403, 405	4460897.....391, 393
3841667.....255	4160203 243, 245	4460138 341	4460899.47, 49, 391, 393
3841716....221, 223, 229, 231	4191306 243, 245	4460183 403, 405	4460905.....391, 393
3860104....125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200	4191407 243, 245	4460226 ... 261, 391, 393, 411	4460918.....403, 405
3860111....225, 227, 235, 237	4191409 243, 245	4460227 47, 49, 261, 391, 393	4460930.....407, 409
3860118.....211, 213	4191706 ... 59, 61, 63, 65, 67, 69, 71, 73, 123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197, 255, 273, 345, 347, 349, 353, 355	4460265 413	4460931....391, 393, 415, 417
3900190....215, 217, 219	4191707 ... 35, 37, 39, 41, 43, 45, 51, 53, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 207, 209, 351	4460267 401, 413	4460932.....259, 261
3900333.....243, 245	4191708 19, 21, 355	4460268 ... 75, 79, 83, 87, 403, 405	4460942.....391, 393
	4191709 19, 21	4460297 433	4460943....391, 393, 403, 405, 407, 409, 415, 417
	4220227 255	4460315 341	4460944....401, 407, 409, 415, 417
		4460320 261, 391, 393	4460956.....363
		4460321 ... 75, 79, 83, 87, 411	4460957.....363
		4460328 277	4460961.....401
		4460346 421	4460968.....357
		4460374 391, 393	

PART NUMBER INDEX

4460986 391, 393	4812002 ... 217, 219, 221, 223, 229, 231	70003646..284, 288, 292, 296	70004935. 300, 304, 308, 312, 316, 320, 324, 328
4461002 361	4831600 43	70003650.....247	70004936. 300, 304, 308, 312, 316, 320, 324, 328
4461012 253	4846684 ... 125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200	70003663..304, 312, 320, 328	70004947. 300, 304, 308, 312
4461016 413	4846723 ... 235, 237, 239, 241	70003704.....300	70004948. 300, 304, 308, 312
4461077 401, 403	4846757 15, 17	70003706.....458	70004949. 300, 304, 308, 312
4461196 379, 423	4846811 31, 33	70003707..304, 308, 312, 316, 320, 324, 328, 458	70004951. 316, 320, 324, 328
4461198 423	4846862 31, 33	70004239.....333	70004952. 316, 320, 324, 328
4461199 381, 425	4922870 243, 245, 413	70004240.....333	70004953. 316, 320, 324, 328
4461201 425	4922944 119, 361	70004241.....333	70004971. 300, 305, 308, 313, 316, 321, 324, 329
4461202 387, 431	4923048 277	70004242.....333	70004972. 300, 305, 308, 313, 316, 321, 324, 329
4461205 ... 385, 387, 429, 431	4923052 279	70004243.....333	70004973. 300, 304, 308, 312, 316, 320, 324, 328
4461244 431	4923115 253	70004585..300, 304, 308, 312, 316, 320, 324, 328	70004974. 300, 304, 308, 312, 316, 320, 324, 328
4461245 429	4923121 253, 433	70004625..304, 312, 320, 328	70004975. 300, 304, 308, 312, 316, 320, 324, 328
4461246 427	4923228 207, 209	70004626..304, 312, 320, 328	70004980. 300, 304, 308, 312, 316, 320, 324, 328
4461249 383, 427	4923390 51	70004634.....304, 312	70005233. 300, 304, 308, 312, 316, 320, 324, 328
4461257 345, 347	4923391 51	70004635..304, 312, 320, 328	70005235. 300, 304, 308, 313, 316, 320, 324, 329
4461258 345, 347	4923392 51	70004636..304, 312, 320, 328	70005236. 300, 305, 308, 313, 316, 321, 324, 329
4461260 399	4923393 51	70004637..304, 312, 320, 328	70005237. 300, 305, 308, 313, 316, 321, 324, 329
4461261 397	4923406 359	70004638..304, 312, 320, 328	70005238. 300, 305, 308, 313, 316, 321, 324, 329
4530021 277	4923409 359	70004639..304, 312, 320, 328	70005241. 300, 304, 308, 312
4530026 253	4923602 19, 21, 399	70004640..304, 312, 320, 328	70005242. 316, 320, 324, 328
4568738 243, 245	5241000 ... 215, 217, 219	70004641.....320, 328	70006091. 300, 308, 316, 324
4711400 ... 251, 253, 255	70000082 247	70004654. 300, 305, 308, 313, 316, 321, 324, 329	70006092. 300, 308, 316, 324
4711800 257	70000084 247	70004731.....300, 308	70006342 331
4740086 31, 33	70000191 24	70004733.....300, 308	70006426 24
4740438 ... 125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200	70000335 .284, 288, 292, 296	70004734..300, 308, 316, 324	70020438. 300, 308, 316, 324
4740446 211, 213	70000659 .284, 288, 292, 296	70004735.....316, 324	7016319 53
4740468 27	70000683 247	70004736..300, 308, 316, 324	7016372 53
4740480 251, 253	70000684 247	70004737.....316, 324	7020175 ... 75, 77, 79, 81, 83, 85, 87, 243, 245
4740524 19, 21	70000685 247	70004782.....331	7020176 ... 75, 77, 79, 81, 83, 85, 87, 243, 245
4740545 ... 367, 369, 371, 373, 375, 377	70000686 247	70004783.....331	7020218 ... 123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197
4740562 51	70000790 24	70004784.....331	7023528 ... 285, 289, 293, 297
4740564 19, 21	70000791 24	70004914..300, 304, 308, 312, 316, 320, 324, 328	7023529 293, 297
4750800 53, 113, 115	70000792 24	70004915..300, 304, 308, 312, 316, 320, 324, 328	7023530 ... 285, 289, 293, 297
4751000 ... 75, 77, 79, 81, 83, 85, 87	70000798 .285, 289, 293, 297	70004916..300, 304, 308, 312, 316, 320, 324, 328	7023531 ... 285, 289, 293, 297
4751400 . 19, 21, 55, 367, 369, 371, 373, 375, 377	70000799 .285, 289, 293, 297	70004917..300, 304, 308, 312, 316, 324, 328	
4751500 275	70001250 247	70004921..300, 305, 308, 313, 316, 321, 324, 329	
4811400 43, 249, 345, 347, 357	70001251 247	70004925..300, 304, 308, 312, 316, 320, 324, 328	
4811600 ... 109, 111, 117	70001252 247	70004926..300, 304, 308, 312, 316, 320, 324, 328	
4811700 ... 19, 21, 31, 33, 35, 37, 39, 41, 43, 45, 51, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 269, 271, 273, 279, 345, 347, 349, 351, 353, 355	70001253 247	70004927..300, 304, 308, 312, 316, 320, 324, 328	
4811702 53	70001265 25	70004928..300, 304, 308, 312, 316, 320, 324, 328, 458	
4811900 215, 219	70001345 25		
4812000 ... 15, 17, 31, 33, 125, 129, 133, 137, 141, 145, 149, 153, 158, 164, 170, 176, 182, 188, 194, 200, 203, 205, 207, 209, 215, 219, 221, 223, 225, 227, 229, 231, 233, 235, 237, 239, 241, 261	70001442 397		
	70001443 397		
	70001444 397		
	70001739 24		
	70001878 .123, 127, 131, 135, 139, 143, 147, 151, 155, 161, 167, 173, 179, 185, 191, 197		
	70001917 320		
	70001949 24		
	70001982 .285, 289, 293, 297		
	70003028 .300, 304, 308, 312, 316, 320, 324, 328		
	70003645 .284, 288, 292, 296		

PART NUMBER INDEX

7023532285, 289, 293, 297	7023543 ... 285, 289, 293, 297	7023581 ... 285, 289, 293, 297	7024758.....25
7023533285, 289, 293, 297	7023556 285, 289	7023582 285, 289	7024771.....25
7023534293, 297	7023557 284, 288	7023583 292, 296	7024772.....25
7023535292, 296	7023571 ... 284, 288, 292, 296	7023584 293, 297	7024776.....25
7023536285, 289, 293, 297	7023573 ... 284, 288, 292, 296	7023589 ... 284, 288, 292, 296	7024785.....24
7023537285, 289, 293, 297	7023576 ... 285, 289, 293, 297	7023591 ... 284, 288, 292, 296	7024786.....24
7023538285, 289, 293, 297	7023577 ... 284, 288, 292, 296	7023593 ... 284, 288, 292, 296	7027303.....277
7023539284, 288, 292, 296	7023578 284, 288	7024747 25	7027365.....247
7023542285, 289, 293, 297	7023579 ... 284, 288, 292, 296	7024748 25	7027367.....247
	7023580 ... 284, 288, 292, 296	7024749 25	7027765.....247
		7024750 25	7027766.....247
		7024756 25	7027863.....115
		7024757 24	7028909.....263, 265, 267
			77363228...263, 265, 267
			8005670.....257
			80325.....255
			8229242.....391, 393



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