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# Illustrated Parts Manual

***Model***  
***670SJ***

**SELF LEVELING**

**PVC**  
**2301**

**P/N**  
**31221366**

**January 8, 2024 - Rev C**

***ANSI***

**CE**



***AS/NZS***



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An Oshkosh Corporation Company





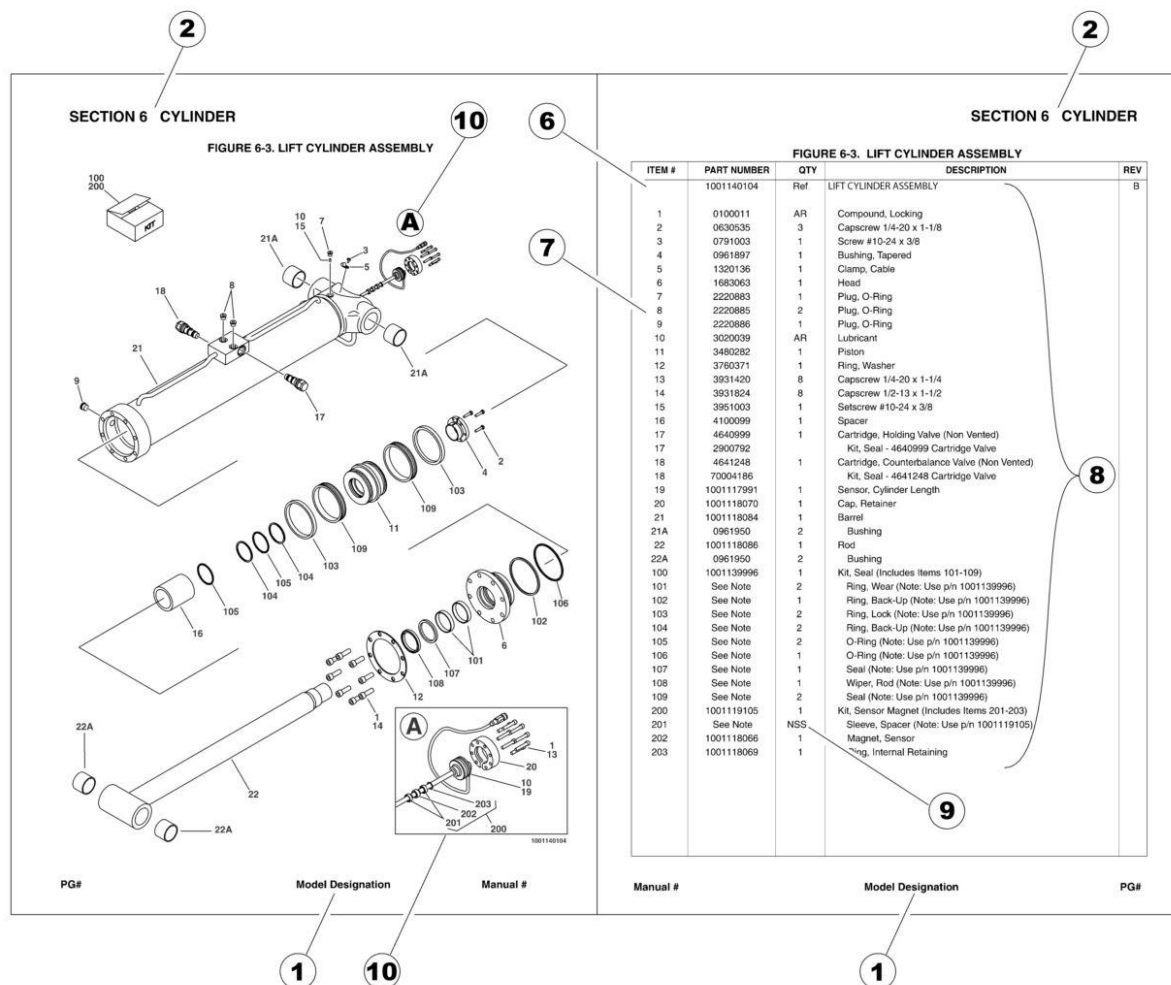
## **REVISION LOG**

January 9, 2023 - A - Original Issue of Manual (Edited to B/M 1001250660 Revision K)

July 1, 2023 - B - Revised Manual (Edited to B/M 1001250660 Revision L)

January 8, 2024 - C - Revised Manual (Edited to B/M 1001250660 Revision L)

# GENERAL INFORMATION



## 1) MACHINE IDENTIFICATION

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

## 2) PARTS MANUAL ORGANIZATION

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

## 3) TABLE OF CONTENTS (NOT SHOWN)

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

## 4) RECOMMENDED SPARE PARTS (NOT SHOWN)

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

## 5) PART NUMBER INDEX (NOT SHOWN)

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

## GENERAL INFORMATION

### 6) NON-SERVICED PARTS

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

### 7) PARTS LIST ITEM NUMBERS

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

### 8) INDENTED PARTS DESCRIPTION

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

### 9) ABBREVIATION AND SYMBOLS

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

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

### 10) ILLUSTRATION REFERENCE LETTERS

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

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



# TABLE OF CONTENTS

|                                                                                                              |     |
|--------------------------------------------------------------------------------------------------------------|-----|
| SECTION 1 - FRAME.....                                                                                       | 15  |
| FIGURE 1-1. AXLE INSTALLATION .....                                                                          | 16  |
| FIGURE 1-2. STEER INSTALLATION.....                                                                          | 18  |
| FIGURE 1-3. WHEEL DRIVE INSTALLATION .....                                                                   | 20  |
| FIGURE 1-4. DRIVE MOTOR ASSEMBLY .....                                                                       | 22  |
| FIGURE 1-5. DRIVE HUB ASSEMBLY .....                                                                         | 24  |
| FIGURE 1-6. AXLE CONTROL VALVE ASSEMBLY.....                                                                 | 28  |
| FIGURE 1-7. TRACTION VALVE ASSEMBLY .....                                                                    | 30  |
| FIGURE 1-8. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED (AVAILABLE ON ALL SPECS) .....             | 32  |
| FIGURE 1-9. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED NON-MARKING (AVAILABLE ON ALL SPECS) ..... | 34  |
| FIGURE 1-10. FRAME COVERS INSTALLATION.....                                                                  | 36  |
| SECTION 2 - TURNTABLE.....                                                                                   | 39  |
| FIGURE 2-1. VALVE INSTALLATION .....                                                                         | 40  |
| FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY.....                                                                 | 42  |
| FIGURE 2-3. SWING DRIVE INSTALLATION .....                                                                   | 44  |
| FIGURE 2-4. SWING MOTOR/HUB ASSEMBLY.....                                                                    | 46  |
| FIGURE 2-5. TURNTABLE BEARING AND LUBE INSTALLATION .....                                                    | 50  |
| FIGURE 2-6. TURNTABLE LOCK INSTALLATION.....                                                                 | 52  |
| FIGURE 2-7. ROTARY COUPLING INSTALLATION .....                                                               | 54  |
| FIGURE 2-8. ROTARY COUPLING AND COLLECTOR RING ASSEMBLY.....                                                 | 56  |
| FIGURE 2-9. TANKS INSTALLATION (WITH HELGESEN HYDRAULIC TANK) .....                                          | 58  |
| FIGURE 2-10. TANKS INSTALLATION (WITH JIANGYING HYDRAULIC TANK).....                                         | 60  |
| FIGURE 2-11. HYDRAULIC TANK ASSEMBLY - HELGESEN.....                                                         | 62  |
| FIGURE 2-12. HYDRAULIC TANK ASSEMBLY - JIANGYING .....                                                       | 64  |
| FIGURE 2-13. BATTERY AND AUXILIARY PUMP INSTALLATION.....                                                    | 66  |
| FIGURE 2-14. BATTERY AND AUXILIARY PUMP WITH DISCONNECT SWITCH INSTALLATION.....                             | 68  |
| FIGURE 2-15. GROUND CONTROL ASSEMBLY (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES).....                              | 70  |
| FIGURE 2-16. GROUND CONTROL ASSEMBLY (DEUTZ TD2.2L3 ENGINES) .....                                           | 72  |
| FIGURE 2-17. KEYSWITCH INSTALLATION (ALL SPECS EXCEPT CE SPECS) .....                                        | 74  |
| FIGURE 2-18. KEYSWITCH INSTALLATION (CE SPECS).....                                                          | 76  |
| FIGURE 2-19. CONTROLLER COVER INSTALLATION .....                                                             | 78  |
| FIGURE 2-20. STROBE LIGHT INSTALLATION - AMBER (OPTIONAL) .....                                              | 80  |
| FIGURE 2-21. STROBE LIGHT INSTALLATION - BLUE (OPTIONAL) .....                                               | 82  |
| FIGURE 2-22. STROBE LIGHT INSTALLATION - RED (OPTIONAL) .....                                                | 84  |
| FIGURE 2-23. NO STROBE LIGHT INSTALLATION.....                                                               | 86  |
| FIGURE 2-24. WHITE NOISE ALARM INSTALLATION.....                                                             | 88  |
| FIGURE 2-25. HOODS INSTALLATIONS - ABS (DEUTZ TD2.2L3 - STAGE V ENGINES) .....                               | 90  |
| FIGURE 2-26. HOODS INSTALLATIONS - ABS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES).....                            | 94  |
| FIGURE 2-27. HOOD ASSEMBLY - ENGINE SIDE (ABS) .....                                                         | 98  |
| FIGURE 2-28. HOOD ASSEMBLY - TANK SIDE (ABS) .....                                                           | 100 |
| FIGURE 2-29. HOODS INSTALLATIONS - STEEL (DEUTZ TD2.2L3 - STAGE V ENGINES).....                              | 102 |
| FIGURE 2-30. HOODS INSTALLATIONS - STEEL (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES).....                          | 106 |
| FIGURE 2-31. HOOD ASSEMBLY - ENGINE SIDE (STEEL).....                                                        | 110 |

# TABLE OF CONTENTS

|                                                                                                      |     |
|------------------------------------------------------------------------------------------------------|-----|
| FIGURE 2-32. HOOD ASSEMBLY - TANK SIDE (STEEL).....                                                  | 112 |
| FIGURE 2-33. NOISE REDUCTION PACKAGE.....                                                            | 114 |
| FIGURE 2-34. HOOD INSULATION INSTALLATION (AUSTRALIAN SPECS).....                                    | 116 |
| SECTION 3 - ENGINE.....                                                                              | 119 |
| FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION.....                                                     | 120 |
| FIGURE 3-2. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY.....                                           | 122 |
| FIGURE 3-3. DEUTZ D2011 ENGINE ASSEMBLY.....                                                         | 124 |
| FIGURE 3-4. DEUTZ D2011 ENGINE COMPONENTS.....                                                       | 128 |
| FIGURE 3-5. DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION.....                                         | 132 |
| FIGURE 3-6. DEUTZ TD2.2L3 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY.....                               | 136 |
| FIGURE 3-7. DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY.....                                             | 138 |
| FIGURE 3-8. DEUTZ TD2.2L3 (STAGE V) ENGINE COMPONENTS.....                                           | 144 |
| FIGURE 3-9. DEUTZ TD2.9L4 EMR4 ENGINE INSTALLATION.....                                              | 146 |
| FIGURE 3-10. DEUTZ TD2.9L4 EMR4 ENGINE AND PUMPS SUB-ASSEMBLY.....                                   | 150 |
| FIGURE 3-11. DEUTZ TD2.9L4 EMR4 ENGINE ASSEMBLY.....                                                 | 152 |
| FIGURE 3-12. DEUTZ TD2.9L4 EMR4 ENGINE ASSEMBLY.....                                                 | 154 |
| FIGURE 3-13. DEUTZ TD2.9L4 EMR4 ENGINE COMPONENTS.....                                               | 158 |
| FIGURE 3-14. DEUTZ TD2.9L4 EMR5 ENGINE INSTALLATION.....                                             | 164 |
| FIGURE 3-15. DEUTZ TD2.9L4 EMR5 ENGINE AND PUMPS SUB-ASSEMBLY.....                                   | 168 |
| FIGURE 3-16. DEUTZ TD2.9L4 EMR5 ENGINE ASSEMBLY.....                                                 | 170 |
| FIGURE 3-17. DEUTZ TD2.9L4 EMR5 ENGINE ASSEMBLY.....                                                 | 172 |
| FIGURE 3-18. DEUTZ TD2.9L4 EMR5 ENGINE COMPONENTS.....                                               | 176 |
| FIGURE 3-19. RADIATOR ASSEMBLY - DUETZ D2.2L3 ENGINE.....                                            | 178 |
| FIGURE 3-20. PUMP COUPLING KIT (DEUTZ ENGINES).....                                                  | 180 |
| FIGURE 3-21. PUMPS ASSEMBLY.....                                                                     | 182 |
| FIGURE 3-22. FUEL FILTER INSTALLATION (OPTIONAL).....                                                | 184 |
| FIGURE 3-23. MUFFLER INSTALLATION - SPARK ARRESTING (DEUTZ D2011 ENGINES).....                       | 186 |
| FIGURE 3-24. EXHAUST PIPE INSTALLATION - (DEUTZ D2011 ENGINES).....                                  | 188 |
| FIGURE 3-25. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ D2011 ENGINES).....                 | 190 |
| FIGURE 3-26. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES).....     | 192 |
| FIGURE 3-27. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES).....        | 194 |
| FIGURE 3-28. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ D2011 ENGINES).....                    | 196 |
| FIGURE 3-29. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES).....           | 198 |
| FIGURE 3-30. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES).....        | 200 |
| FIGURE 3-31. BREATHER HEATER INSTALLATION - DEUTZ TD2.9L4 & TD2.3L3 ENGINES) (OPTIONAL).....         | 202 |
| FIGURE 3-32. TRAY JACK INSTALLATION (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES).....                       | 204 |
| FIGURE 3-33. TRAY JACK INSTALLATION (DEUTZ TD2.2L3 ENGINES).....                                     | 206 |
| FIGURE 3-34. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)..... | 208 |
| FIGURE 3-35. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2.2L3 STAGE V ENGINES).....        | 210 |
| FIGURE 3-36. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES) .. | 212 |
| FIGURE 3-37. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2.2L3 STAGE V ENGINES).....      | 214 |
| FIGURE 3-38. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL).....          | 216 |
| FIGURE 3-39. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES) (OPTIONAL).....        | 218 |
| FIGURE 3-40. 2500W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL).....          | 222 |
| FIGURE 3-41. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL).....          | 224 |

# TABLE OF CONTENTS

|                                                                                                         |     |
|---------------------------------------------------------------------------------------------------------|-----|
| FIGURE 3-42. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES) (OPTIONAL) .....          | 228 |
| FIGURE 3-43. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL) .....            | 232 |
| FIGURE 3-44. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.2L3 (STAGE V) ENGINE) (OPTIONAL) ..... | 236 |
| FIGURE 3-45. 7500W SKYPOWER GENERATOR INSTALLATION - 110/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL).....     | 238 |
| FIGURE 3-46. 7500W SKYPOWER GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES) (OPTIONAL) .     | 242 |
| FIGURE 3-47. 7500W SKYPOWER GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL) ....    | 246 |
| FIGURE 3-48. QUICKFIT OIL DRAIN (DEUTZ ENGINES) .....                                                   | 250 |
| SECTION 4 - BOOM .....                                                                                  | 253 |
| FIGURE 4-1. BOOM INSTALLATION.....                                                                      | 254 |
| FIGURE 4-2. BOOM ASSEMBLY .....                                                                         | 258 |
| FIGURE 4-3. BOOM ASSEMBLY .....                                                                         | 260 |
| FIGURE 4-4. JIB ASSEMBLY (Prior to SN 0300292972).....                                                  | 264 |
| FIGURE 4-5. JIB ASSEMBLY (SN 0300292972 to Present) .....                                               | 266 |
| FIGURE 4-6. PLATFORM ROTATOR ASSEMBLY .....                                                             | 268 |
| FIGURE 4-7. POWER TRACK INSTALLATION .....                                                              | 270 |
| FIGURE 4-8. BOOM VALVES INSTALLATION.....                                                               | 272 |
| FIGURE 4-9. PLATFORM VALVE ASSEMBLY .....                                                               | 274 |
| FIGURE 4-10. BOOM SENSORS INSTALLATION .....                                                            | 276 |
| FIGURE 4-11. PLATFORM SUPPORT INSTALLATION .....                                                        | 278 |
| SECTION 5 - PLATFORM.....                                                                               | 281 |
| FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 3FT (76CM X .91M) - DROP BAR ENTRY.....                          | 282 |
| FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH SWING GATE.....                          | 284 |
| FIGURE 5-3. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH DROP BAR.....                            | 286 |
| FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) WITH SWING GATE.....                          | 288 |
| FIGURE 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) WITH DROP BAR.....                            | 290 |
| FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE.....                        | 292 |
| FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR.....                          | 294 |
| FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE.....              | 296 |
| FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROP BAR.....                | 298 |
| FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE.....                       | 300 |
| FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR.....                         | 302 |
| FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH SWING GATE.....             | 304 |
| FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROP BAR.....               | 306 |
| FIGURE 5-14. TRAY ASSEMBLY .....                                                                        | 308 |
| FIGURE 5-15. PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION .....                                         | 310 |
| FIGURE 5-16. CONSOLE BOX ASSEMBLY .....                                                                 | 312 |
| FIGURE 5-17. DISPLAY INSTALLATION .....                                                                 | 316 |
| FIGURE 5-18. DISPLAY PROTECTION INSTALLATION .....                                                      | 318 |
| FIGURE 5-19. CONTROLLER ASSEMBLY (DRIVE AND STEER).....                                                 | 320 |
| FIGURE 5-20. CONTROLLER ASSEMBLY (LIFT AND SWING).....                                                  | 322 |
| FIGURE 5-21. FOOTSWITCH ASSEMBLY .....                                                                  | 326 |
| FIGURE 5-22. SKYEYE INSTALLATION .....                                                                  | 328 |
| FIGURE 5-23. SKYGUARD BAR INSTALLATION .....                                                            | 330 |
| FIGURE 5-24. SKYLINE INSTALLATION .....                                                                 | 332 |

# TABLE OF CONTENTS

|                                                                                                                              |     |
|------------------------------------------------------------------------------------------------------------------------------|-----|
| FIGURE 5-25. SKYGLAZIER INSTALLATION (ANSI, AUSTRALIAN AND CSA SPECS).....                                                   | 334 |
| FIGURE 5-26. SKYWELDER INSTALLATION (50HZ).....                                                                              | 336 |
| FIGURE 5-27. SKYWELDER INSTALLATION (60HZ).....                                                                              | 338 |
| FIGURE 5-28. SKYWELDER PREP PACKAGE (60HZ).....                                                                              | 340 |
| FIGURE 5-29. WELDER ASSEMBLY.....                                                                                            | 342 |
| FIGURE 5-30. FALL ARREST INSTALLATION (BOLT-ON) (4FT/1.22M PLATFORM).....                                                    | 344 |
| FIGURE 5-31. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (5FT/1.52M PLATFORM).....                                           | 346 |
| FIGURE 5-32. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M PLATFORM).....                                           | 348 |
| FIGURE 5-33. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M TRI-ENTRY PLATFORM).....                                 | 350 |
| FIGURE 5-34. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (8FT/2.4M PLATFORM).....                                            | 352 |
| SECTION 6 - CYLINDER.....                                                                                                    | 355 |
| FIGURE 6-1. LEVEL CYLINDER ASSEMBLY - CHASSIS.....                                                                           | 356 |
| FIGURE 6-2. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE.....                                                                    | 358 |
| FIGURE 6-3. LIFT CYLINDER ASSEMBLY - BOOM.....                                                                               | 360 |
| FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB.....                                                                                | 362 |
| FIGURE 6-5. STEER CYLINDER ASSEMBLY.....                                                                                     | 364 |
| FIGURE 6-6. TELESCOPE CYLINDER ASSEMBLY.....                                                                                 | 366 |
| SECTION 7 - HYDRAULIC.....                                                                                                   | 369 |
| FIGURE 7-1. HYDRAULIC DIAGRAM - BOOM AND TURNTABLE.....                                                                      | 370 |
| FIGURE 7-2. HYDRAULIC DIAGRAM - CHASSIS.....                                                                                 | 376 |
| SECTION 8 - ELECTRICAL.....                                                                                                  | 383 |
| FIGURE 8-1. 670SJ ELECTRICAL LAYOUT.....                                                                                     | 384 |
| FIGURE 8-2. ELECTRICAL INSTALLATION (DEUTZ D2011 & DEUTZ DT2.9L4 ENGINES) (Prior to SN 0300311240).....                      | 398 |
| FIGURE 8-3. ELECTRICAL INSTALLATION (DEUTZ D2011 & DEUTZ DT2.9L4 ENGINES) (SN 0300311240 to Present).....                    | 404 |
| FIGURE 8-4. ELECTRICAL INSTALLATION (DEUTZ DT2.2L3 - STAGE V ENGINES) (Prior to SN 0300311240).....                          | 410 |
| FIGURE 8-5. ELECTRICAL INSTALLATION (DEUTZ DT2.2L3 - STAGE V ENGINES) (SN 0300311240 to Present).....                        | 416 |
| FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS AND WITHOUT 4000W GENERATOR)..... | 422 |
| FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS WITHOUT 4000W/50HZ GENERATOR).....                   | 424 |
| FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS WITH 4000W/50HZ GENERATOR).....                      | 426 |
| FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS WITHOUT 4000W/50HZ GENERATOR).....                     | 428 |
| FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS WITH 4000W/50HZ GENERATOR).....                       | 430 |
| FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE SPECS WITHOUT 4000W/50HZ GENERATOR).....  | 432 |
| FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE SPECS WITH 4000W/50HZ GENERATOR).....     | 434 |
| FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE SPECS WITHOUT 4000W/50HZ GENERATOR).....  | 436 |
| FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE SPECS WITH 4000W/50HZ GENERATOR).....     | 438 |
| FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPECS WITHOUT 4000W/50HZ GENERATOR).....                   | 440 |
| FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPECS WITH 4000W/50HZ GENERATOR).....                      | 442 |



# TABLE OF CONTENTS

|                                                                                                                                                      |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS) .....                 | 444 |
| FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS) .....                            | 446 |
| FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS) .....                   | 448 |
| FIGURE 8-20. AC BREAKER BOX INSTALLATION - SINGLE DOUBLE POLE BREAKER .....                                                                          | 450 |
| FIGURE 8-21. AC BREAKER BOX INSTALLATION - 3 BREAKERS .....                                                                                          | 452 |
| FIGURE 8-22. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS) (Prior to SN 0300292972).....                      | 454 |
| FIGURE 8-23. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS) (SN 0300292972 to Present) .....                   | 456 |
| FIGURE 8-24. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI EXPORT, AUSTRALIAN & CE SPECS) .....                                        | 458 |
| FIGURE 8-25. AC CABLES AND CLAMPS INSTALLATION - WITH 2500W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS).....                                  | 460 |
| FIGURE 8-26. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN AND CE SPECS) (Prior to SN 0300292972) .....     | 462 |
| FIGURE 8-27. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN AND CE SPECS) (SN 0300292972 to Present) .....   | 464 |
| FIGURE 8-28. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS) (Prior to SN 0300292972).....    | 466 |
| FIGURE 8-29. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS) (SN 0300292972 to Present) ..... | 468 |
| FIGURE 8-30. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR (Prior to SN 0300292972) .....                                        | 470 |
| FIGURE 8-31. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR (SN 0300292972 to Present) .....                                      | 472 |
| FIGURE 8-32. AXLE HARNESS.....                                                                                                                       | 474 |
| FIGURE 8-33. BATTERY DISCONNECT SWITCH INSTALLATION .....                                                                                            | 476 |
| FIGURE 8-34. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITHOUT 4000W/50HZ GENERATOR) .....                                                       | 478 |
| FIGURE 8-35. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITH 4000W/50HZ GENERATOR) .....                                                          | 480 |
| FIGURE 8-36. BREAKER BOX KIT - 3 BREAKERS .....                                                                                                      | 482 |
| FIGURE 8-37. BOOM ANGLE SENSOR HARNESS.....                                                                                                          | 484 |
| FIGURE 8-38. BOOM CABLE - LOWER .....                                                                                                                | 486 |
| FIGURE 8-39. BOOM CABLE - UPPER .....                                                                                                                | 488 |
| FIGURE 8-40. CAPACITY PROXIMITY HARNESS .....                                                                                                        | 490 |
| FIGURE 8-41. CAPACITY PROXIMITY HARNESS .....                                                                                                        | 492 |
| FIGURE 8-42. CHASSIS HARNESS .....                                                                                                                   | 494 |
| FIGURE 8-43. CLEARSKY TELEMATICS INSTALLATION - 3 WIRE CONNECTION.....                                                                               | 496 |
| FIGURE 8-44. CLEARSKY TELEMATICS INSTALLATION - CANBUS CONNECTION (ANSI & CSA SPECS) .....                                                           | 498 |
| FIGURE 8-45. CLEARSKY TELEMATICS INSTALLATION - CANBUS CONNECTION (AUSTRALIAN SPECS) .....                                                           | 500 |
| FIGURE 8-46. CLEARSKY TELEMATICS INSTALLATION - CANBUS CONNECTION (CE SPECS).....                                                                    | 502 |
| FIGURE 8-47. CLEARSKY HARNESS.....                                                                                                                   | 504 |
| FIGURE 8-48. CLEARSKY HARNESS.....                                                                                                                   | 506 |
| FIGURE 8-49. ECU POWER JUMPER HARNESS .....                                                                                                          | 508 |
| FIGURE 8-50. ENGINE HARNESS - DEUTZ D2011 ENGINES .....                                                                                              | 510 |
| FIGURE 8-51. ENGINE HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE.....                                                                                    | 512 |
| FIGURE 8-52. ENGINE HARNESS - DEUTZ D2.9L4 ENGINES .....                                                                                             | 516 |
| FIGURE 8-53. ENGINE HARNESS - DEUTZ TD2.9L4 EMR5 ENGINES .....                                                                                       | 520 |

# TABLE OF CONTENTS

|                                                                                             |     |
|---------------------------------------------------------------------------------------------|-----|
| FIGURE 8-54. FUEL HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE .....                            | 524 |
| FIGURE 8-55. FUEL PUMP HARNESS - DEUTZ TD2.9L4 & DEUTZ TD2.2L3 (STAGE V) ENGINES .....      | 526 |
| FIGURE 8-56. GENERATOR HARNESS - 2500W .....                                                | 528 |
| FIGURE 8-57. GENERATOR HARNESS - 4000W .....                                                | 530 |
| FIGURE 8-58. GENERATOR HARNESS - 7500W SKYPOWER .....                                       | 532 |
| FIGURE 8-59. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ONLY)..... | 534 |
| FIGURE 8-60. GROUND CONTROL HARNESS.....                                                    | 536 |
| FIGURE 8-61. LIFT CYLINDER HARNESS.....                                                     | 538 |
| FIGURE 8-62. PLATFORM BOX HARNESS .....                                                     | 540 |
| FIGURE 8-63. PLATFORM DISPLAY HARNESS.....                                                  | 544 |
| FIGURE 8-64. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC) .....                           | 546 |
| FIGURE 8-65. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC).....                              | 548 |
| FIGURE 8-66. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE SPEC) .....             | 550 |
| FIGURE 8-67. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC).....                      | 552 |
| FIGURE 8-68. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC) .....                           | 554 |
| FIGURE 8-69. SKYEYE EMITTER HARNESS .....                                                   | 556 |
| FIGURE 8-70. SKYEYE INTERMEDIATE HARNESS .....                                              | 558 |
| FIGURE 8-71. SKYEYE RECEIVER HARNESS.....                                                   | 560 |
| FIGURE 8-72. SKYGUARD INTERFACE HARNESS .....                                               | 562 |
| FIGURE 8-73. SKYLINE HARNESS .....                                                          | 564 |
| FIGURE 8-74. STEER HARNESS .....                                                            | 566 |
| FIGURE 8-75. STROBE LIGHT CONTROL HARNESS.....                                              | 568 |
| FIGURE 8-76. STROBE LIGHT JUMPER HARNESS .....                                              | 570 |
| FIGURE 8-77. STROBE LIGHT JUMPER HARNESS (BLUE & RED).....                                  | 572 |
| FIGURE 8-78. TELE PROXIMITY HARNESS.....                                                    | 574 |
| FIGURE 8-79. TURNTABLE HARNESS.....                                                         | 576 |
| FIGURE 8-80. TURNTABLE AUXILIARY HARNESS .....                                              | 580 |
| FIGURE 8-81. VALVE HARNESS - MAIN CONTROL .....                                             | 582 |
| FIGURE 8-82. VALVE HARNESS - PLATFORM .....                                                 | 584 |
| FIGURE 8-83. WHITE NOISE ALARM HARNESS .....                                                | 586 |
| SECTION 9 - DECALS .....                                                                    | 589 |
| FIGURE 9-1. DECAL INSTALLATION (ANSI SPECS - ENGLISH LANGUAGE).....                         | 590 |
| FIGURE 9-2. DECAL INSTALLATION (BRAZIL SPECS - PORTUGUESE/SPANISH LANGUAGES) .....          | 592 |
| FIGURE 9-3. DECAL INSTALLATION (CHINA SPECS - CHINESE/ENGLISH LANGUAGES) (SIMPLIFIED) ..... | 594 |
| FIGURE 9-4. DECAL INSTALLATION (CHINA SPECS - CHINESE/ENGLISH LANGUAGES) (TRADITIONAL)..... | 596 |
| FIGURE 9-5. DECAL INSTALLATION (CSA SPECS - FRENCH/ENGLISH LANGUAGES) .....                 | 598 |
| FIGURE 9-6. DECAL INSTALLATION (JAPANESE SPECS - JAPANESE/ENGLISH LANGUAGES) .....          | 600 |
| FIGURE 9-7. DECAL INSTALLATION (KOREAN SPECS - KOREAN/ENGLISH LANGUAGES) .....              | 602 |
| FIGURE 9-8. DECAL INSTALLATION (LATIN AMERICAN SPECS - SPANISH/ENGLISH LANGUAGES) .....     | 604 |
| FIGURE 9-9. DECAL INSTALLATION (AUSTRALIAN SPECS - ENGLISH LANGUAGE).....                   | 606 |
| FIGURE 9-10. DECAL INSTALLATION (CE SPECS - ENGLISH LANGUAGE) .....                         | 608 |
| FIGURE 9-11. PLATFORM BOX DECALS INSTALLATION.....                                          | 610 |
| FIGURE 9-12. DECALS INSTALLATION - OPTIONS.....                                             | 612 |
| FIGURE 9-13. DECAL INSTALLATION - SKYWELDER (50HZ) .....                                    | 616 |
| FIGURE 9-14. DECAL INSTALLATION - SKYWELDER (60HZ) .....                                    | 618 |

## TABLE OF CONTENTS

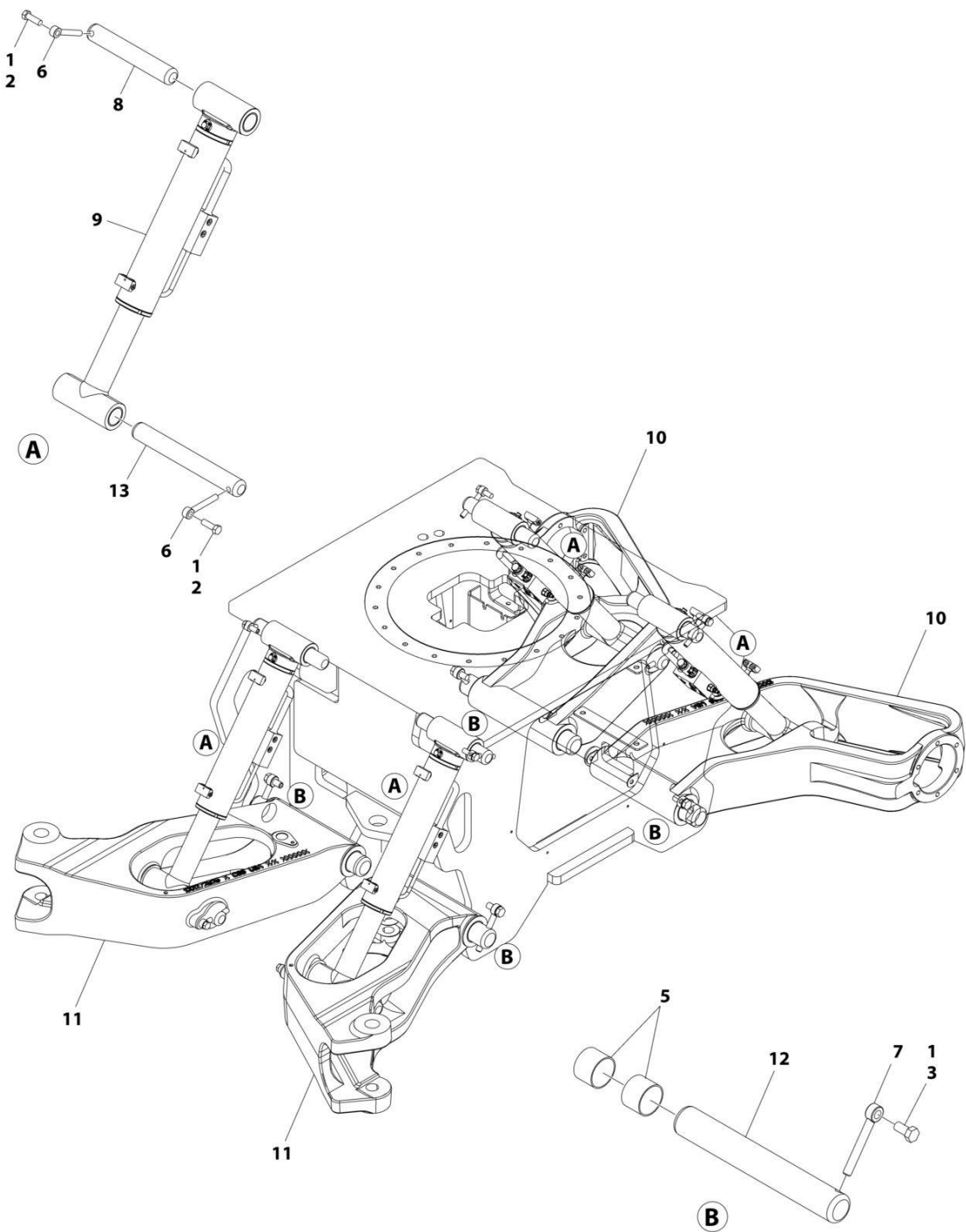
|                                                                                  |     |
|----------------------------------------------------------------------------------|-----|
| FIGURE 9-15. DECAL INSTALLATION - SOFT-TOUCH (ANSI SPECS) .....                  | 620 |
| FIGURE 9-16. DECAL INSTALLATION - SOFT-TOUCH (ALL SPECS EXCEPT ANSI SPECS) ..... | 622 |
| SECTION 10 - RECOMMENDED SERVICE PARTS STOCK .....                               | 625 |
| FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK .....                               | 626 |
| SECTION 11 - SPECIAL OPTIONS.....                                                | 629 |
| FIGURE 11-1. SPECIAL OPTIONS.....                                                | 630 |
| PART NUMBER INDEX .....                                                          | 635 |



**SECTION 1 - FRAME**

SECTION 1 - FRAME

FIGURE 1-1. AXLE INSTALLATION



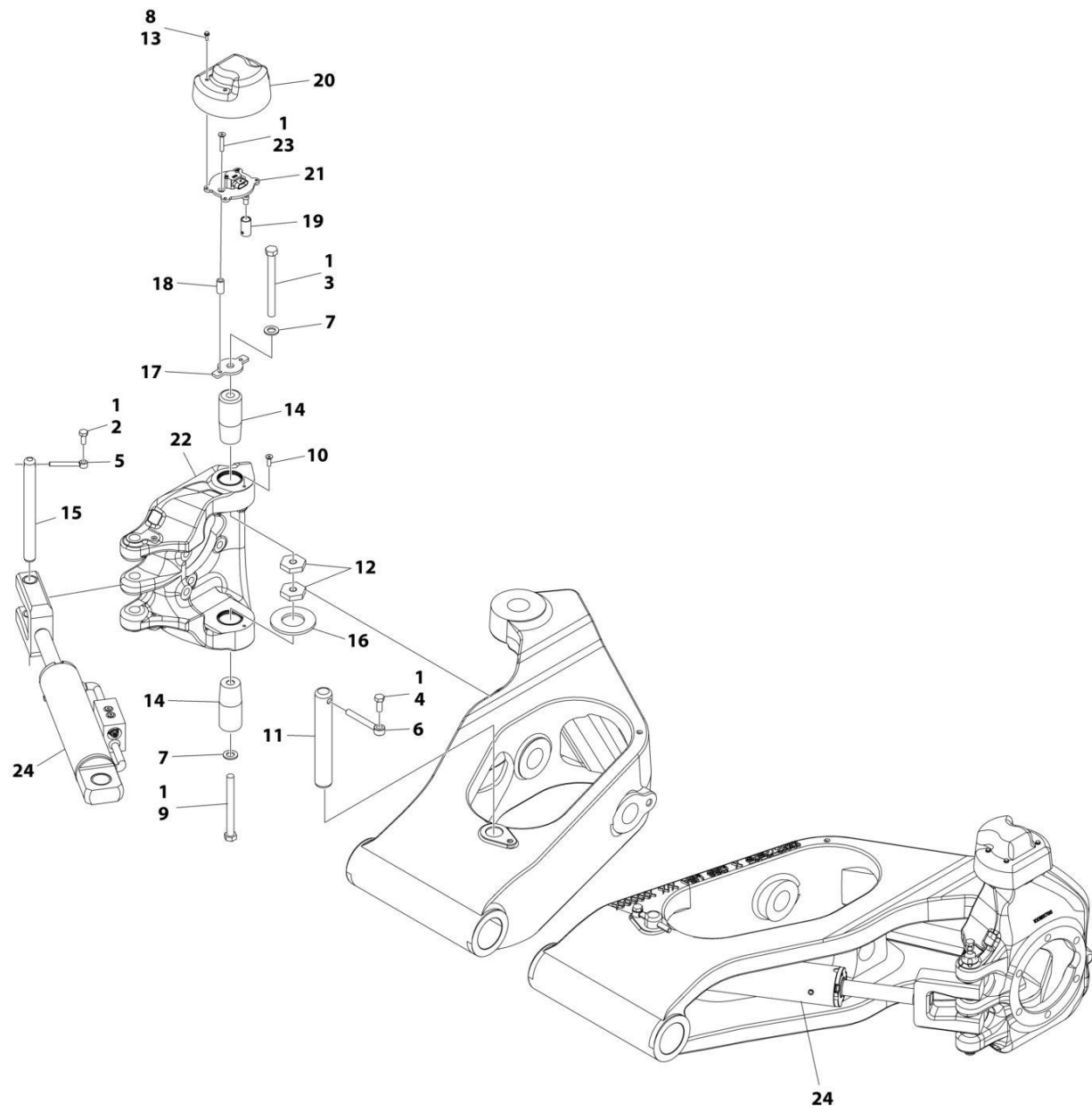
ART\_1001284558

FIGURE 1-1. AXLE INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                  | REV |
|------|-------------|-----|------------------------------------------------------------------------------|-----|
|      | 1001284558  | Ref | AXLE INSTALLATION                                                            | C   |
| 1    | 0100011     | AR  | Compound, Locking                                                            |     |
| 2    | 0761618     | 8   | Bolt M16 x 50                                                                |     |
| 4    | 0762018     | 4   | Bolt M20 x 50                                                                |     |
| 5    | 0962102     | 8   | Bushing                                                                      |     |
| 6    | 3841258     | 8   | Keeper, Pin                                                                  |     |
| 7    | 3841287     | 4   | Keeper, Pin                                                                  |     |
| 8    | 1001116548  | 4   | Pin                                                                          |     |
| 9    | 1001272273  | 4   | Chassis Level Cylinder Assembly (See Separate Breakdown in CYLINDER Section) |     |
| 10   | 1001272299  | 2   | Axle - Rear                                                                  |     |
| 11   | 1001272526  | 2   | Axle - Front                                                                 |     |
| 12   | 1001280427  | 4   | Pin                                                                          |     |
| 13   | 1001284628  | 4   | Pin                                                                          |     |

SECTION 1 - FRAME

FIGURE 1-2. STEER INSTALLATION



ART\_1001280860

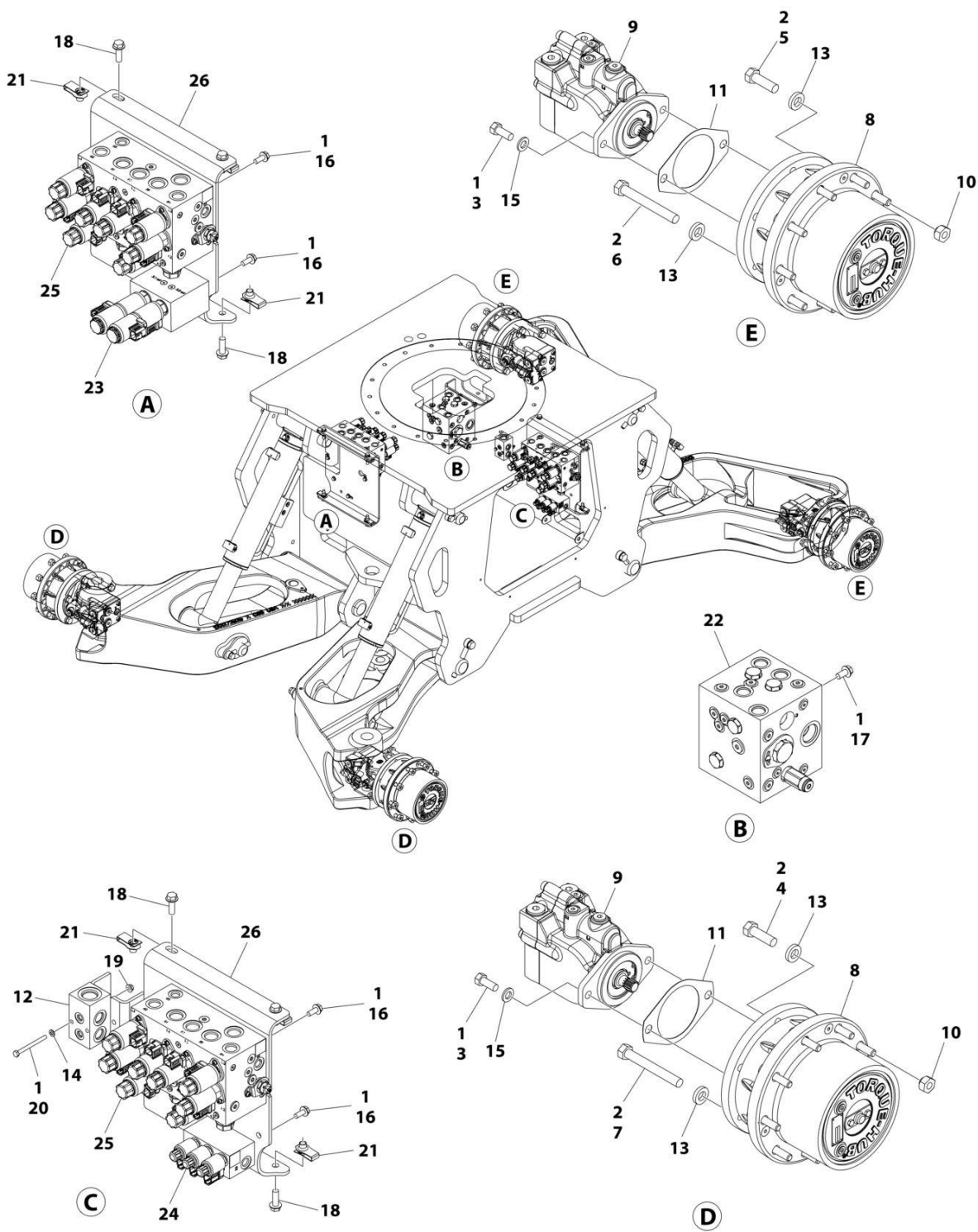


FIGURE 1-2. STEER INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                          | REV |
|------|-------------|-----|----------------------------------------------------------------------|-----|
|      | 1001280860  | Ref | STEER INSTALLATION                                                   | B   |
| 1    | 0100011     | AR  | Compound, Locking                                                    |     |
| 2    | 0701012     | 2   | Bolt M10 x 25                                                        |     |
| 3    | 0701634     | 2   | Bolt M16 x 170                                                       |     |
| 4    | 0761214     | 2   | Bolt M12 x 30                                                        |     |
| 5    | 3841143     | 2   | Keeper, Pin                                                          |     |
| 6    | 3841203     | 2   | Keeper, Pin                                                          |     |
| 7    | 5241600     | 4   | Washer M16                                                           |     |
| 8    | 5250508     | 8   | Bolt M5 x 16                                                         |     |
| 9    | 1001096456  | 2   | Bolt M16 x 160                                                       |     |
| 10   | 1001097586  | 2   | Capscrew M8 x 25                                                     |     |
| 11   | 1001156549  | 2   | Pin                                                                  |     |
| 12   | 1001176848  | 4   | Nut M16                                                              |     |
| 13   | 1001180620  | AR  | Adhesive                                                             |     |
| 14   | 1001181790  | 4   | Kingpin                                                              |     |
| 15   | 1001182697  | 2   | Pin                                                                  |     |
| 16   | 1001190194  | 2   | Bearing, Thrust                                                      |     |
| 17   | 1001236355  | 2   | Plate                                                                |     |
| 18   | 1001236356  | 4   | Spacer                                                               |     |
| 19   | 1001236357  | 2   | Adapter, Sensor                                                      |     |
| 20   | 1001236358  | 2   | Cover, Sensor                                                        |     |
| 21   | 1001236360  | 2   | Sensor, Angle                                                        |     |
| 22   | 1001237434  | 2   | Spindle                                                              |     |
| 22   | 1001181791  | 8   | Seal (4 Per Spindle)                                                 |     |
| 22   | 1001182694  | 4   | Bearing (2 Per Spindle)                                              |     |
| 23   | 1001243719  | 4   | Capscrew M8 x 45, GRD 10.9                                           |     |
| 24   | 1001278895  | 2   | Steer Cylinder Assembly (See Separate Breakdown in CYLINDER Section) |     |

SECTION 1 - FRAME

FIGURE 1-3. WHEEL DRIVE INSTALLATION



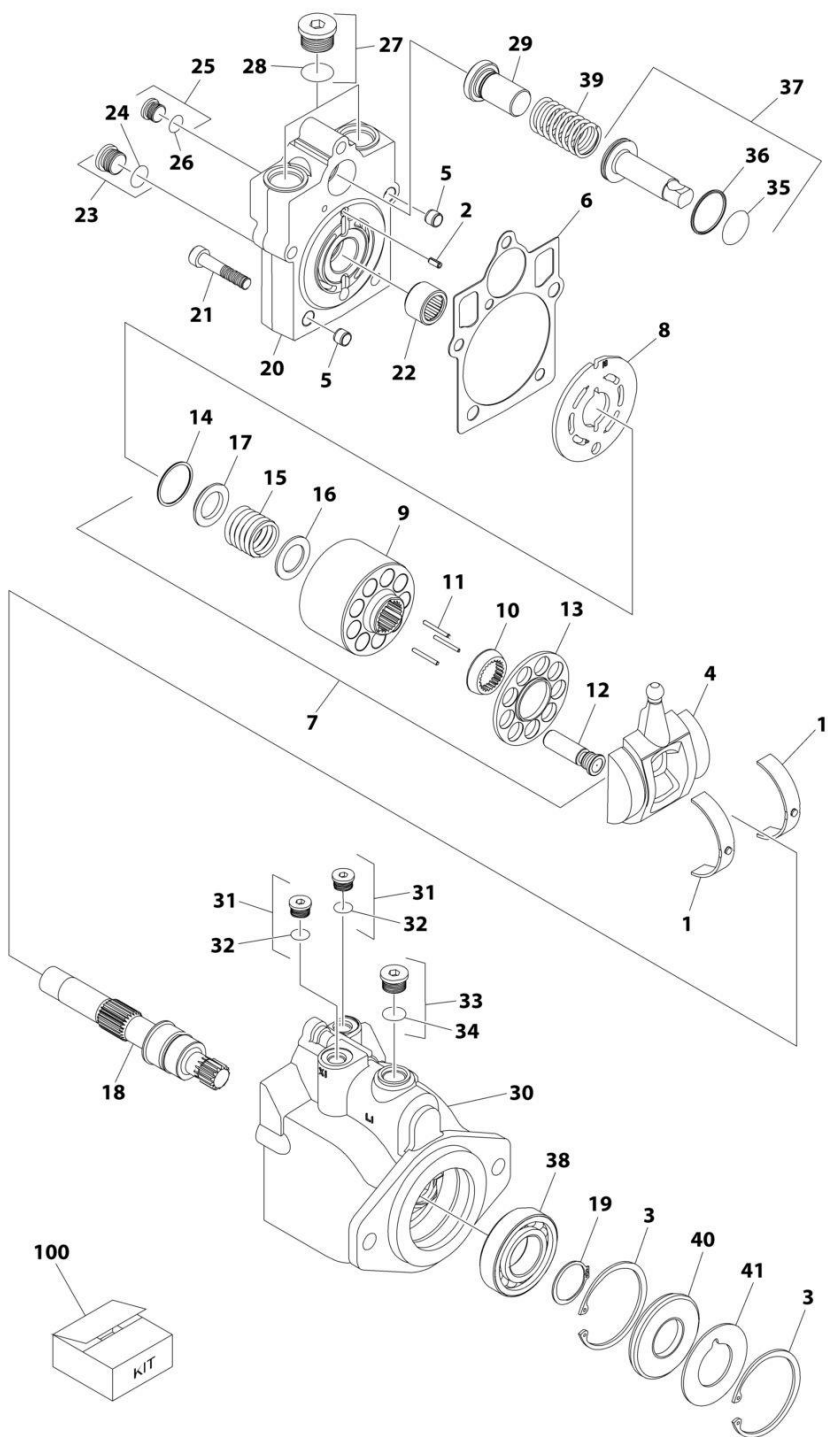
ART\_1001288231

FIGURE 1-3. WHEEL DRIVE INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                          | REV |
|------|-------------|-----|----------------------------------------------------------------------|-----|
|      | 1001288231  | Ref | WHEEL DRIVE INSTALLATION                                             | C   |
| 1    | 0100011     | AR  | Compound, Locking                                                    |     |
| 2    | 0100019     | AR  | Compound, Locking                                                    |     |
| 3    | 0681810     | 8   | Bolt 1/2 x 1-1/4                                                     |     |
| 4    | 0682016     | 8   | Bolt 5/8 x 2                                                         |     |
| 5    | 0682020     | 8   | Bolt 5/8 x 2-1/2                                                     |     |
| 6    | 0682028     | 4   | Bolt 5/8 x 3-1/2                                                     |     |
| 7    | 0682036     | 4   | Bolt 5/8 x 4-1/2                                                     |     |
| 8    | 2780269     | 4   | Drive Hub Assembly (See Separate Breakdown in this Section)          |     |
| 9    | 3160350     | 4   | Drive Motor Assembly (See Separate Breakdown in this Section)        |     |
| 10   | 3300106     | 36  | Nut, Wheel                                                           |     |
| 11   | 3960526     | 4   | Gasket                                                               |     |
| 12   | 4641155     | 1   | Valve, Junction                                                      |     |
| 13   | 4740393     | 24  | Washer                                                               |     |
| 14   | 4811700     | 2   | Washer M6                                                            |     |
| 15   | 5241200     | 8   | Washer M12                                                           |     |
| 16   | 5250810     | 12  | Bolt M8 x 20                                                         |     |
| 17   | 5251010     | 4   | Bolt M10 x 20                                                        |     |
| 18   | 5251016     | 8   | Bolt M10 x 40                                                        |     |
| 19   | 5260600     | 2   | Nut M6                                                               |     |
| 20   | 1001096653  | 2   | Bolt M6 x 70                                                         |     |
| 21   | 1001118972  | 8   | Nut, Tinnerman                                                       |     |
| 22   | 1001187521  | 1   | Traction Valve Assembly (See Separate Breakdown in this Section)     |     |
| 23   | 1001239231  | 1   | Steer Valve Assembly                                                 |     |
| 23   | 70007322    | 2   | Cartridge, Solenoid Valve                                            |     |
| 23   | 70000100    | 2   | Seal Kit - 70007322 Valve                                            |     |
| 23   | 70007323    | 2   | Coil                                                                 |     |
| 24   | 1001239232  | 1   | Brake and Two Speed Valve Assembly                                   |     |
| 24   | 70007319    | 3   | Cartridge, Solenoid Valve                                            |     |
| 24   | 70004875    | 3   | Seal Kit - 70007319 Valve                                            |     |
| 24   | 70026967    | 3   | Coil                                                                 |     |
| 25   | 1001261117  | 2   | Axle Control Valve Assembly (See Separate Breakdown in this Section) |     |
| 26   | 1001289267  | 2   | Plate                                                                |     |

SECTION 1 - FRAME

FIGURE 1-4. DRIVE MOTOR ASSEMBLY



ART\_3160350

FIGURE 1-4. DRIVE MOTOR ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                  | REV |
|------|-------------|-----|--------------------------------------------------------------|-----|
|      | 3160350     | Ref | DRIVE MOTOR ASSEMBLY                                         | D   |
| 1    | 7022302     | 2   | Bearing, Journal                                             |     |
| 2    | 7007446     | 1   | Pin                                                          |     |
| 3    | 7007438     | 2   | Ring, Retaining                                              |     |
| 4    | 70000794    | 1   | Swash Plate                                                  |     |
| 5    | See Note    | NSS | Pin (Note: Not Available for Purchase)                       |     |
| 6    | See Note    | NSS | Gasket (Note: Use Item 42)                                   |     |
| 7    | 7027740     | 1   | Cylinder Block Kit (Includes Items 9-17)                     |     |
| 8    | 7024862     | 1   | Plate, Valve                                                 |     |
| 9    | See Note    | NSS | Block, Cylinder                                              |     |
| 10   | See Note    | NSS | Guide, Slipper Retainer                                      |     |
| 11   | 7021275     | 3   | Pin, Slipper Hold Down                                       |     |
| 12   | 7024865     | 9   | Piston Assembly                                              |     |
| 13   | See Note    | NSS | Retainer, Slipper                                            |     |
| 14   | 7022311     | 1   | Ring, Retaining                                              |     |
| 15   | 7024867     | 1   | Spring                                                       |     |
| 16   | 7022313     | 1   | Washer                                                       |     |
| 17   | 7022314     | 1   | Retainer, Spring                                             |     |
| 18   | 7023910     | 1   | Shaft                                                        |     |
| 19   | 7007439     | 1   | Ring, Retaining                                              |     |
| 20   | 70000795    | 1   | Cap, End - Axial                                             |     |
| 21   | 7022368     | 5   | Screw                                                        |     |
| 22   | 7021249     | 1   | Bearing, Needle                                              |     |
| 23   | 2220886     | 1   | Plug (Includes Item 24)                                      |     |
| 24   | See Note    | NSS | O-Ring (Note: Use Item 23 or 42)                             |     |
| 25   | 2220883     | 1   | Plug (Includes Item 26)                                      |     |
| 26   | See Note    | NSS | O-Ring (Note: Use Item 25 or 42)                             |     |
| 27   | 7027419     | 2   | Plug (Includes Item 28)                                      |     |
| 28   | See Note    | NSS | O-Ring (Note: Use Item 27 or 42)                             |     |
| 29   | 7022372     | 1   | Seat, Spring                                                 |     |
| 30   | See Note    | NSS | Housing (Note: Not Available - Purchase Complete Assembly)   |     |
| 31   | 2220883     | 2   | Plug (Includes Item 32)                                      |     |
| 32   | See Note    | NSS | O-Ring (Note: Use Item 31 or 42)                             |     |
| 33   | 2220886     | 1   | Plug (Includes Item 34)                                      |     |
| 34   | See Note    | NSS | O-Ring (Note: Use Item 33 or 42)                             |     |
| 35   | See Note    | NSS | O-Ring (Note: Use Item 42)                                   |     |
| 36   | See Note    | NSS | Ring, Seal (Note: Use Item 42)                               |     |
| 37   | 7024871     | 1   | Piston, Servo                                                |     |
| 38   | 7007437     | 1   | Bearing                                                      |     |
| 39   | 7022326     | 1   | Spring                                                       |     |
| 40   | See Note    | NSS | Seal, Lip (Note: Use Item 42)                                |     |
| 41   | 7022371     | 1   | Washer, Support                                              |     |
| 100  | 7022328     | 1   | Seal Kit (Includes Items 6, 24, 26, 28, 32, 34, 35, 36 & 40) |     |

## 24

**670SJ**

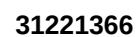


FIGURE 1-5. DRIVE HUB ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------|-----|
|      | 2780269     | Ref | DRIVE HUB/BRAKE ASSEMBLY                                                        | E   |
| 1    | See Note    | NSS | Spindle/Housing Assembly (Note: Not Available - Purchase Individual Components) |     |
| 1A   | 7024729     | 1   | Spindle                                                                         |     |
| 1B   | 70001119    | 1   | Seal, Lip                                                                       |     |
| 1C   | 7024735     | 2   | Bearing (Includes Cup and Cone)                                                 |     |
| 1D   | 2780269     | 1   | Housing (Note: Not Available for Purchase)                                      |     |
| 1E   | 7024730     | 1   | Ring, Gear                                                                      |     |
| 1F   | 7024744     | 1   | Nut, Bearing                                                                    |     |
| 1G   | See Note    | NSS | Setscrew 1/4 x 1/2 (Note: Use Item 26A, 26B, 27A or 27B)                        |     |
| 1H   | 7024732     | 9   | Stud, Wheel                                                                     |     |
| 1K   | 7024125     | 1   | Ring, Retaining                                                                 |     |
| 1L   | 7024124     | 1   | Spring                                                                          |     |
| 1M   | 7024129     | 1   | Thrustwasher                                                                    |     |
| 2    | 7024741     | 1   | Thrustwasher                                                                    |     |
| 3    | See Note    | NSS | Carrier Assembly (Note: Not Available - Purchase Individual Components)         |     |
| 3A   | 7024725     | 1   | Carrier                                                                         |     |
| 3B   | 7024127     | 6   | Thrustwasher                                                                    |     |
| 3C   | 7024733     | 42  | Bearing, Needle                                                                 |     |
| 3E   | 7024724     | 3   | Shaft, Planet                                                                   |     |
| 3F   | 7024727     | 3   | Gear, Planet                                                                    |     |
| 4    | See Note    | NSS | Planet Gear Sub-Assembly (Note: Not Available - Purchase Individual Components) |     |
| 4B   | 7024740     | 12  | Thrustwasher                                                                    |     |
| 4C   | 7024734     | 84  | Bearing, Needle                                                                 |     |
| 4D   | 7024736     | 3   | Spacer, Thrust                                                                  |     |
| 4E   | 7024726     | 3   | Shaft, Planet                                                                   |     |
| 4F   | 7024728     | 3   | Gear, Planet                                                                    |     |
| 4G   | 7001913     | 6   | Roll Pin                                                                        |     |
| 4H   | 7024742     | 1   | Thrustwasher                                                                    |     |
| 5    | 7017027     | 1   | Ring, Retaining                                                                 |     |
| 6    | See Note    | NSS | Cover Assembly (Note: Not Available - Purchase Individual Components)           |     |
| 6A   | 7024731     | 1   | Plate, Cover                                                                    |     |
| 6B   | 7017093     | 1   | Cap, Disengage                                                                  |     |
| 6C   | 7000216     | 2   | Bolt 1/2in-20NC x 1/2in                                                         |     |
| 6D   | 7024739     | 1   | Pin, Dowel                                                                      |     |
| 6E   | 7017095     | 1   | O-Ring                                                                          |     |
| 6F   | 7017072     | 2   | Plug, Pipe                                                                      |     |
| 6G   | 7024738     | 1   | Ring, Retaining                                                                 |     |
| 7    | 7024722     | 1   | Coupling                                                                        |     |
| 8    | See Note    | NSS | Brake, Input (Note: Not Available - Purchase Individual Components)             |     |
| 8A   | 70000782    | 1   | Piston, Brake                                                                   |     |
| 8B   | 7024743     | 1   | Plate, Pressure                                                                 |     |
| 8C   | See Note    | NSS | Ring, Retaining (Note: Use Item 26B, 27A or 27B)                                |     |
| 8D   | See Note    | NSS | O-Ring (Note: Use Item 26B or 27A)                                              |     |
| 8E   | See Note    | NSS | Ring, Back-up (Note: Use Item 26B or 27A)                                       |     |
| 8F   | See Note    | NSS | O-Ring (Note: Use Item 26B or 27A)                                              |     |
| 8H   | See Note    | NSS | Ring, Back-up (Note: Use Item 26B or 27A)                                       |     |

## SECTION 1 - FRAME

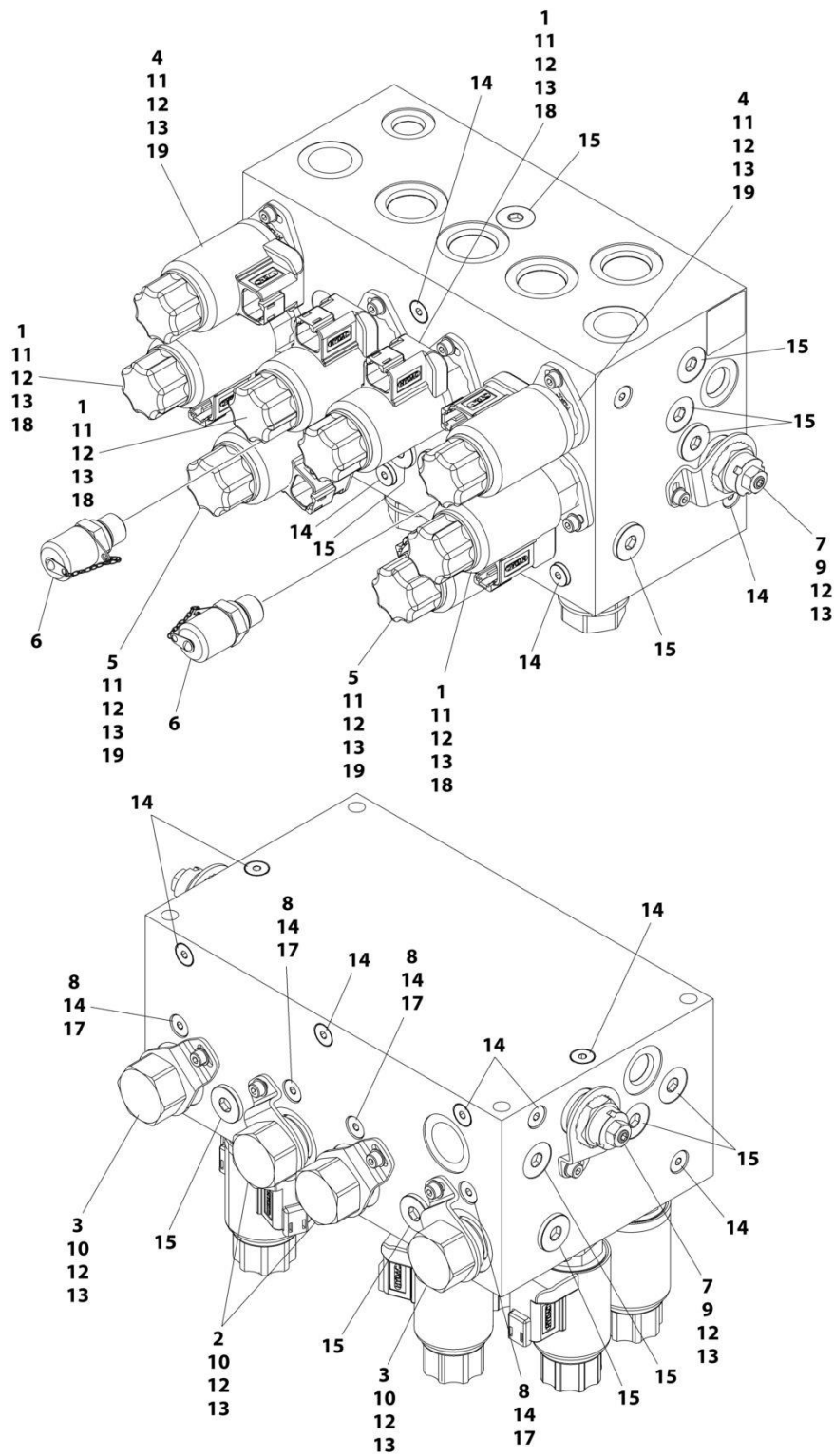
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                       | REV |
|------|-------------|-----|-------------------------------------------------------------------|-----|
| 8J   | See Note    | NSS | Rotor, Brake (Note: Use Item 27A)                                 |     |
| 8K   | See Note    | NSS | Stator, Brake (Note: Use Item 27A)                                |     |
| 8L   | See Note    | NSS | Spring, Brake (Note: Use Item 27B)                                |     |
| 9    | 7024721     | 1   | Shaft, Input                                                      |     |
| 11   | 7024723     | 1   | Gear, Sun                                                         |     |
| 12   | See Note    | NSS | Plug (Note: Not Available for Purchase)                           |     |
| 15   | See Note    | NSS | Plate, ID (Not Shown) (Note: Not Available for Purchase)          |     |
| 16   | 7000281     | 4   | Screw, Drive                                                      |     |
| 17   | 7024134     | 1   | O-Ring                                                            |     |
| 18   | See Note    | NSS | O-Ring (Note: Use Item 26A)                                       |     |
| 19   | 7017022     | 3   | Screw, Countersunk 3/8in-16NC                                     |     |
| 20   | 7024737     | 1   | Ring, Retaining                                                   |     |
| 21   | See Note    | NSS | Plug (Note: Not Available - Purchase Locally)                     |     |
| 26   |             | Ref | Seal Kit Options:                                                 |     |
| 26A  | 7024744     | 1   | Hub Seal Kit (Includes Items 1B, 1F, 1G, 17, 18 & 19)             |     |
| 26B  | 7024765     | 1   | Brake Seal Kit (Includes Items 1G, 8C, 8D, 8E, 8F & 8H)           |     |
| 27   |             | Ref | Repair Kit Options:                                               |     |
| 27A  | 7024764     | 1   | Brake Lining Kit (Includes Items 1G, 8C, 8D, 8E, 8F, 8H, 8J & 8K) |     |
| 27B  | 7024766     | 1   | Brake Spring Kit (Includes Items 1G, 8C & 8L)                     |     |





SECTION 1 - FRAME

FIGURE 1-6. AXLE CONTROL VALVE ASSEMBLY



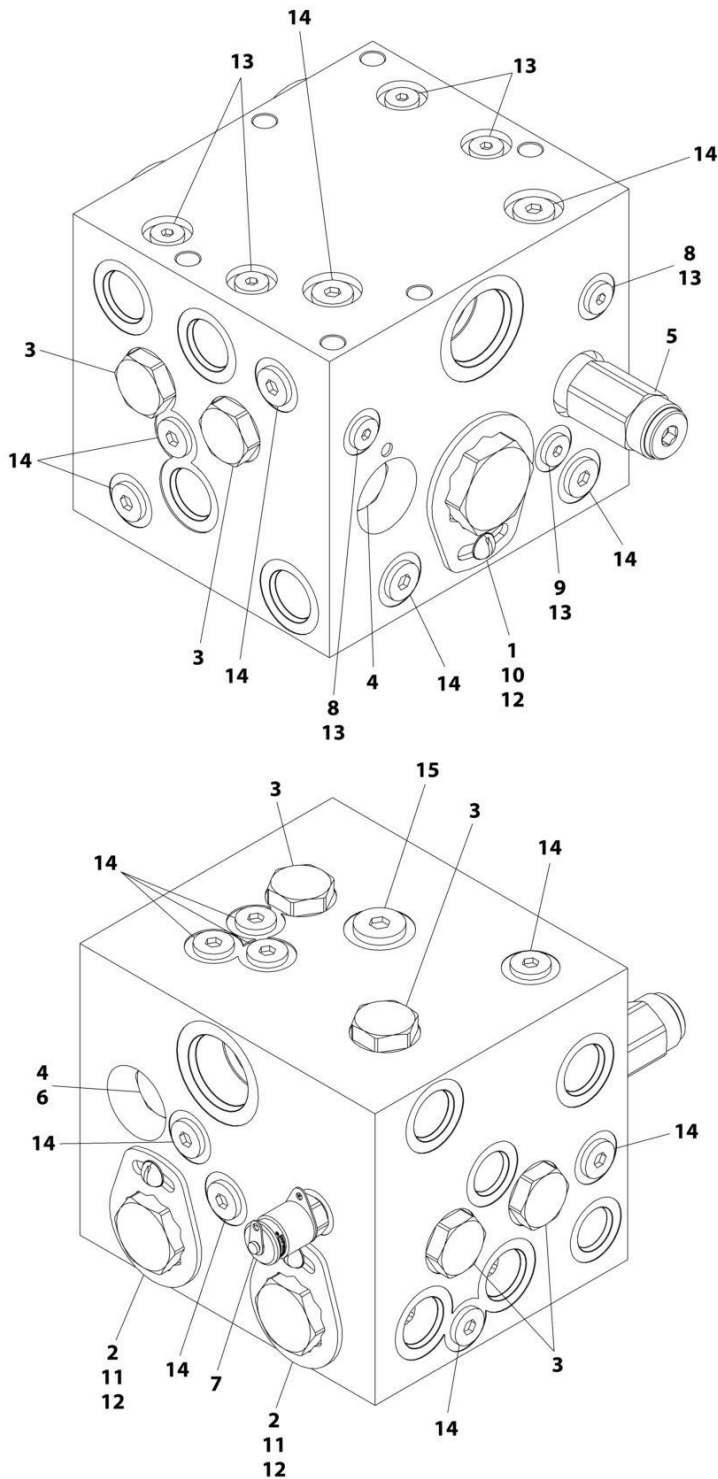
ART\_1001261117

FIGURE 1-6. AXLE CONTROL VALVE ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION                                             | REV |
|------|-------------|-----|---------------------------------------------------------|-----|
|      | 1001261117  | Ref | AXLE CONTROL VALVE ASSEMBLY                             | E   |
| 1    | 70007343    | 1   | Cartridge, Solenoid Valve (Extend/Retract Flow Control) |     |
| 2    | 70007557    | 2   | Cartridge, Valve                                        |     |
| 3    | 70007558    | 2   | Cartridge, Valve                                        |     |
| 4    | 70007559    | 2   | Cartridge, Solenoid Valve (Retract)                     |     |
| 5    | 70007560    | 2   | Cartridge, Solenoid Valve (Float)                       |     |
| 6    | 77133089    | 2   | Fitting, Test                                           |     |
| 7    |             | Ref | Cartridge, Valve                                        |     |
| 8    | 70007320    | 4   | Orifice, 0.6mm                                          |     |
| 9    | 70007561    | 2   | Lock                                                    |     |
| 10   | 70007562    | 4   | Lock                                                    |     |
| 11   | 70007563    | 8   | Lock                                                    |     |
| 12   | 70007564    | Ref | Washer M4                                               |     |
| 13   | 70007565    | Ref | Capscrew M4 x 10                                        |     |
| 14   | 2220883     | 19  | Plug #4                                                 |     |
| 15   | 2220885     | 16  | Plug #6                                                 |     |
| 17   | 0100035     | AR  | Compound, Locking                                       |     |
| 18   | 70006004    | Ref | Coil                                                    |     |
| 19   | 70007323    | Ref | Coil                                                    |     |

SECTION 1 - FRAME

FIGURE 1-7. TRACTION VALVE ASSEMBLY



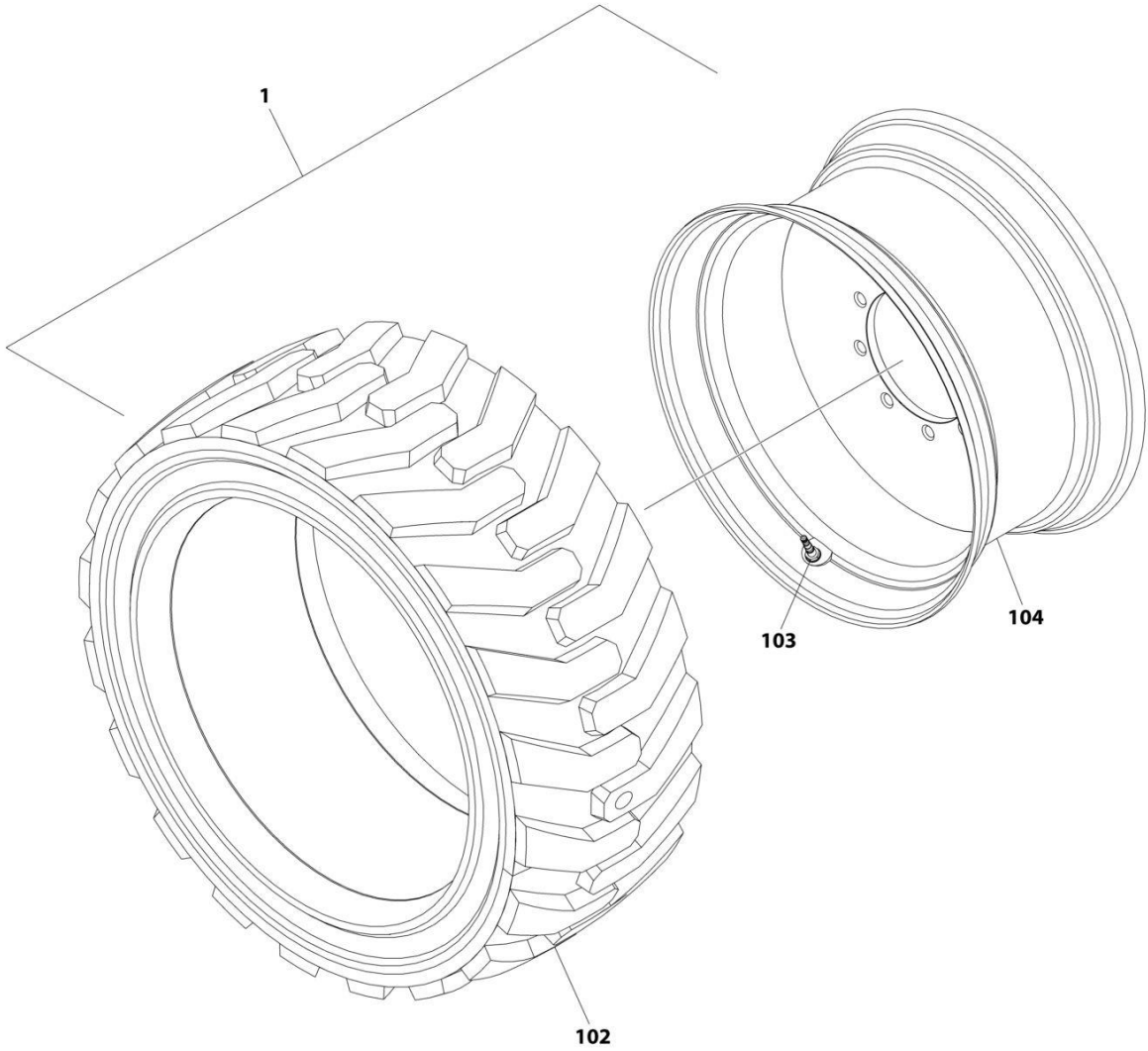
ART\_1001187521\_H

FIGURE 1-7. TRACTION VALVE ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION               | REV |
|------|-------------|-----|---------------------------|-----|
|      | 1001187521  | Ref | TRACTION VALVE ASSEMBLY   | H   |
| 1    | 70005668    | 1   | Valve, Flow Divider       |     |
| 1    | 7021625     | 1   | Seal Kit - 70005668 Valve |     |
| 2    | 70005669    | 2   | Valve, Flow Divider       |     |
| 2    | 70004577    | 2   | Seal Kit - 70005669 Valve |     |
| 3    | 70026444    | 6   | Valve, Check              |     |
| 3    | 7022399     | 6   | Seal Kit - 7022397 Valve  |     |
| 4    | 7021639     | 2   | Valve, Check              |     |
| 4    | 2900756     | 2   | Seal Kit - 7021639 Valve  |     |
| 5    | 70007507    | 1   | Valve, Relief             |     |
| 5    | 7012998     | 1   | Seal Kit - 70005670 Valve |     |
| 6    | 7024881     | 1   | Piston                    |     |
| 7    | 2221086     | 1   | Fitting, Test             |     |
| 8    | 70003975    | 2   | Orifice                   |     |
| 9    | 70002209    | 1   | Orifice                   |     |
| 10   | 70000781    | 1   | Lock Down Kit             |     |
| 11   | 70002962    | 2   | Lock Down Kit             |     |
| 12   | 70004888    | 3   | Screw                     |     |
| 13   | 2220883     | 7   | Plug                      |     |
| 14   | 2220885     | 15  | Plug                      |     |
| 15   | 2220886     | 1   | Plug                      |     |

**SECTION 1 - FRAME**

**FIGURE 1-8. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED (AVAILABLE ON ALL SPECS)**



ART\_1001185596

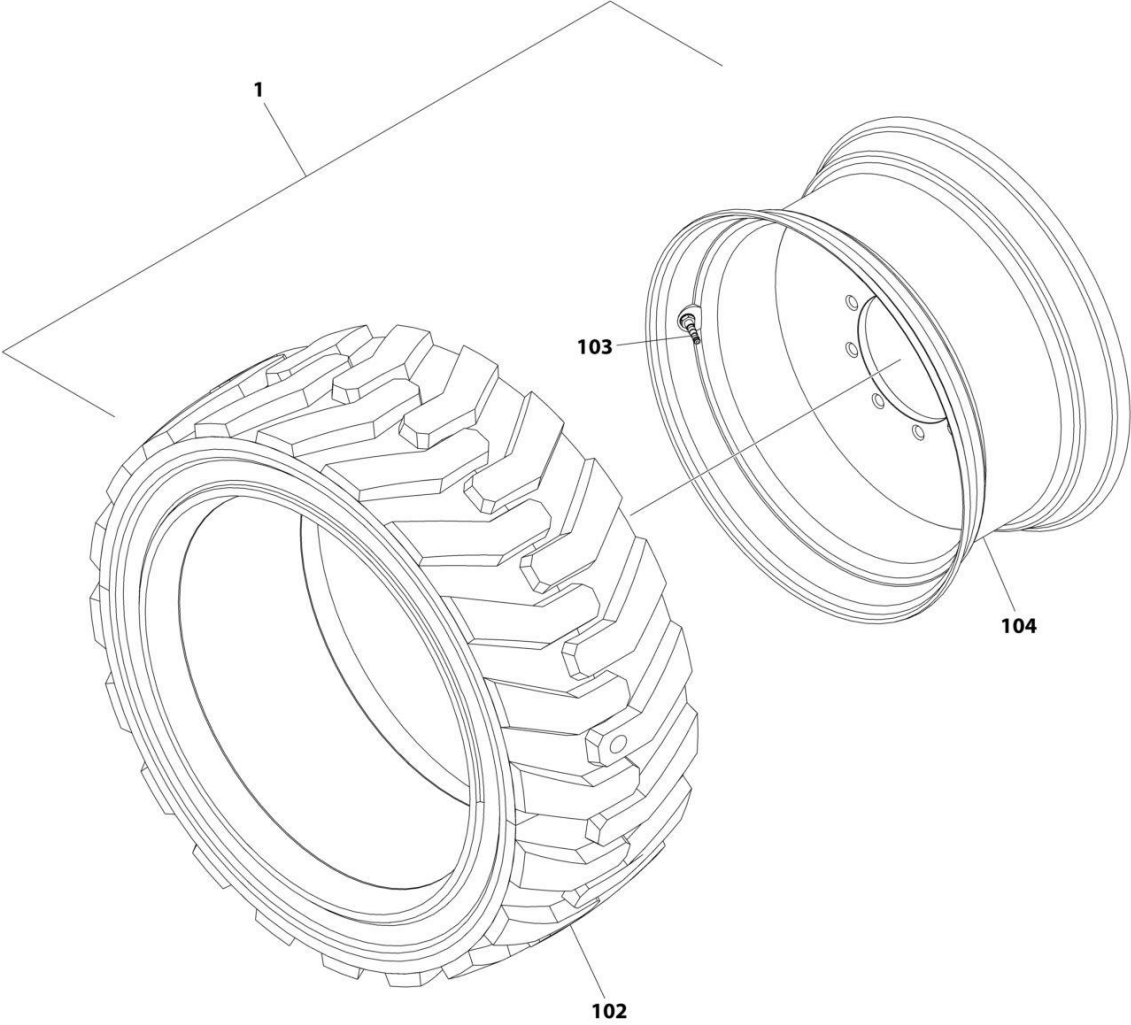
## SECTION 1 - FRAME

**FIGURE 1-8. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED (AVAILABLE ON ALL SPECS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                                            | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001185596  | Ref | TIRE & WHEEL INSTALLATION                                                                                                                                                              | A   |
|      |             | Ref | Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. |     |
|      |             | Ref | Note: Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.                                                    |     |
| 1    | 1001181795  | Ref | Tire and Wheel Assembly (LH Side)                                                                                                                                                      | D   |
| 1    | 1001181796  | Ref | Tire and Wheel Assembly (RH Side)                                                                                                                                                      | D   |
| 102  | 4520288     | 4   | Tire - IN355-55 D625                                                                                                                                                                   |     |
| 103  | 4641122     | 4   | Valve                                                                                                                                                                                  |     |
| 104  | 1001181797  | 4   | Rim, Wheel                                                                                                                                                                             |     |

**SECTION 1 - FRAME**

**FIGURE 1-9. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED NON-MARKING  
(AVAILABLE ON ALL SPECS)**



ART\_1001185597



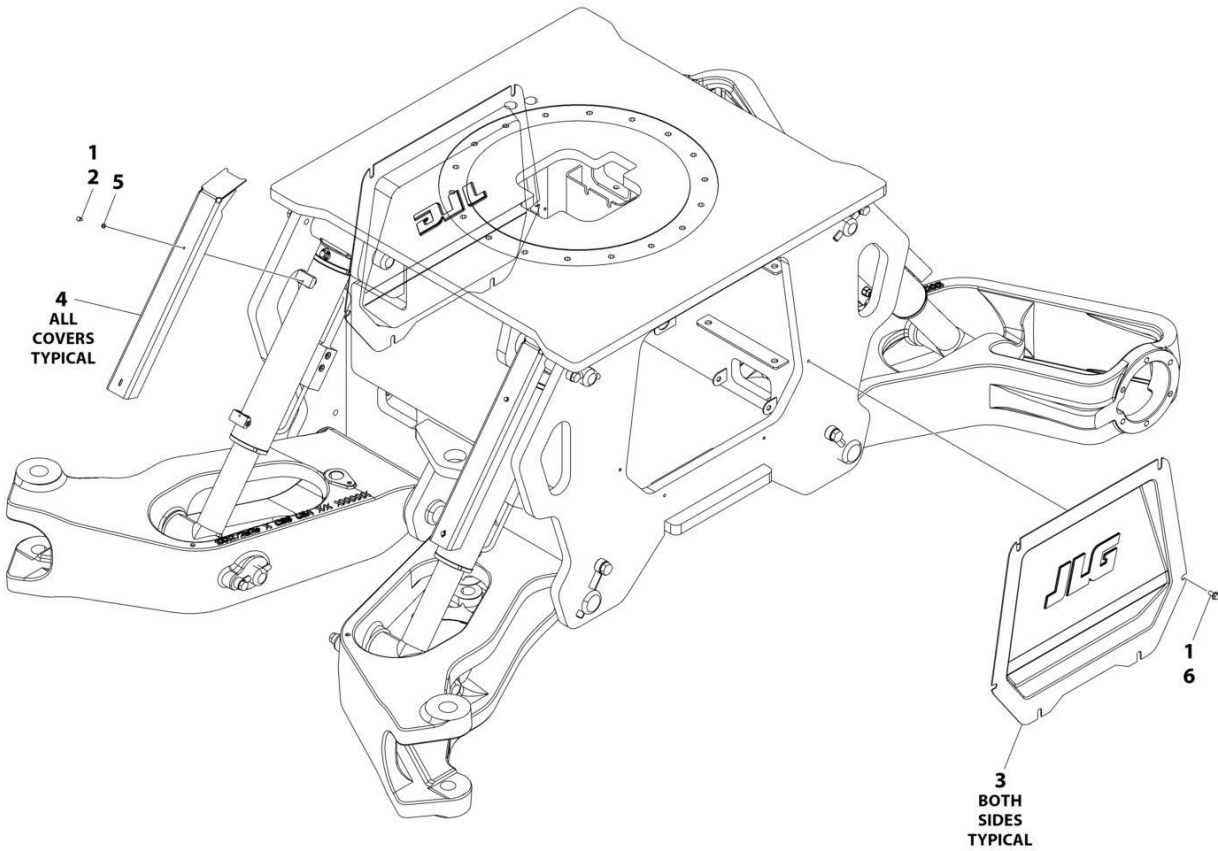
## SECTION 1 - FRAME

**FIGURE 1-9. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED NON-MARKING  
(AVAILABLE ON ALL SPECS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                                            | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001185597  | Ref | TIRE & WHEEL INSTALLATION                                                                                                                                                              | A   |
|      |             | Ref | Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. |     |
|      |             | Ref | Note: Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.                                                    |     |
| 1    | 1001184727  | Ref | Tire and Wheel Assembly (RH Side)                                                                                                                                                      | E   |
| 1    | 1001184728  | 1   | Tire and Wheel Assembly (LH Side)                                                                                                                                                      | E   |
| 102  | 1001184881  | 4   | Tire - IN355-55 D625                                                                                                                                                                   |     |
| 103  | 4641122     | 4   | Valve                                                                                                                                                                                  |     |
| 104  | 1001181797  | 4   | Rim, Wheel                                                                                                                                                                             |     |

SECTION 1 - FRAME

FIGURE 1-10. FRAME COVERS INSTALLATION



ART\_1001284557

FIGURE 1-10. FRAME COVERS INSTALLATION

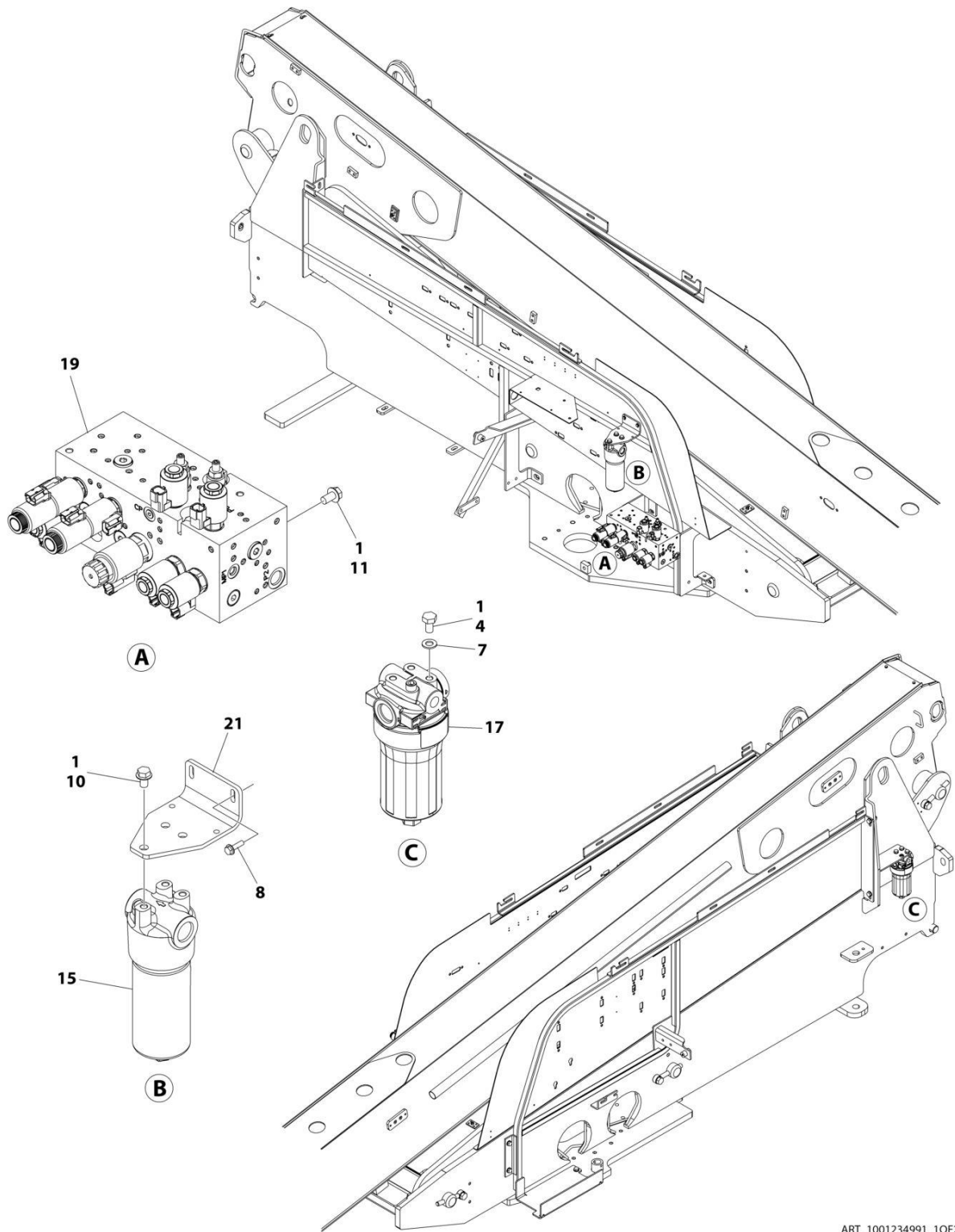
| ITEM | PART NUMBER | QTY | DESCRIPTION               | REV |
|------|-------------|-----|---------------------------|-----|
|      | 1001284557  | Ref | FRAME COVERS INSTALLATION | B   |
| 1    | 0100011     | AR  | Compound, Locking         |     |
| 2    | 0760606     | 8   | Bolt M6 x 12              |     |
| 3    | 1001278764  | 2   | Cover                     |     |
| 4    | 1001286705  | 4   | Cover                     |     |
| 5    | 4811700     | 8   | Washer M6                 |     |
| 6    | 5251010001  | 12  | Bolt M10 x 20             |     |



**SECTION 2 - TURNTABLE**

SECTION 2 - TURNTABLE

FIGURE 2-1. VALVE INSTALLATION



ART\_1001234991\_10F2

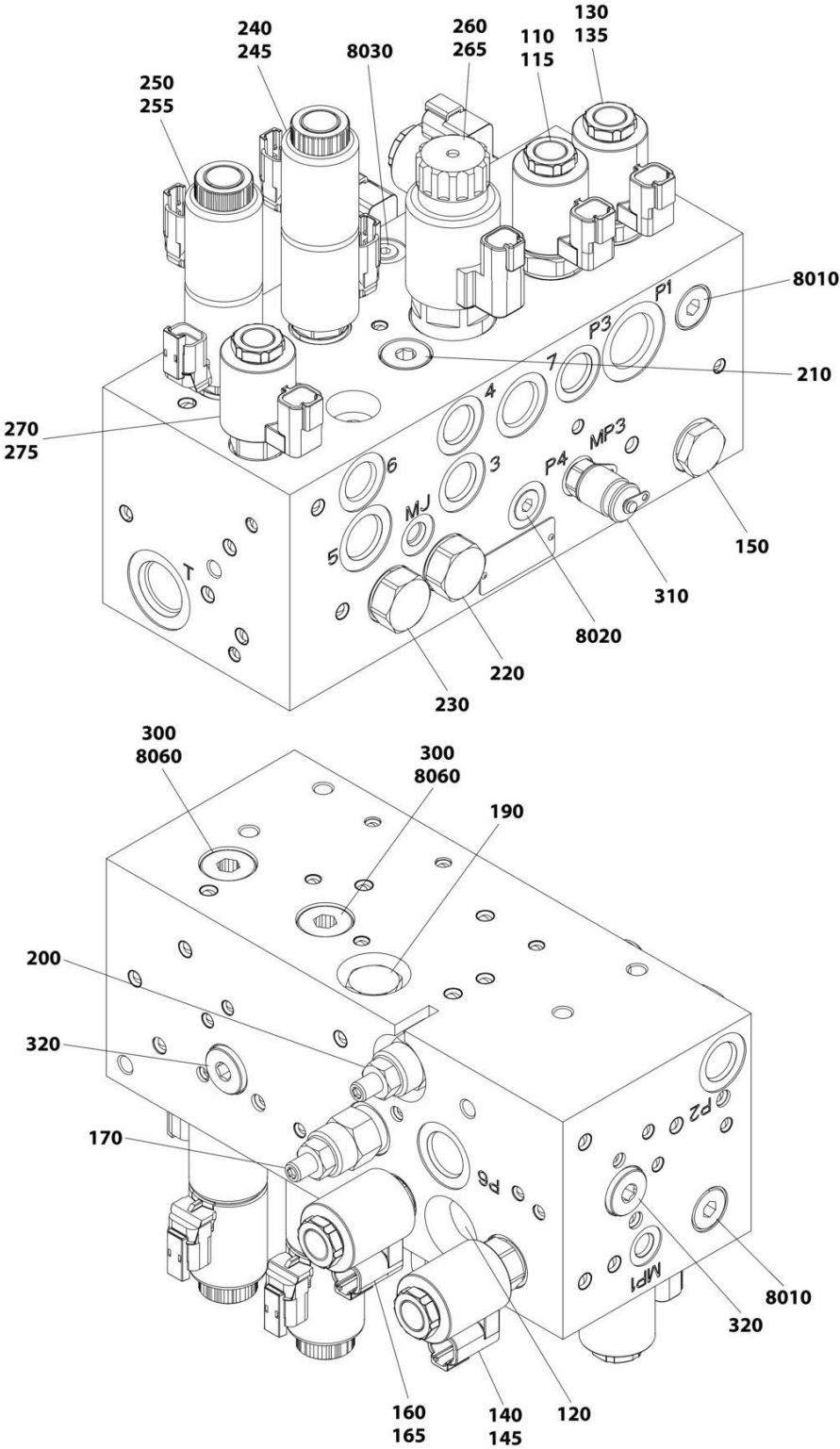
## SECTION 2 - TURNTABLE

**FIGURE 2-1. VALVE INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                  | REV |
|------|-------------|-----|--------------------------------------------------------------|-----|
|      | 1001234991  | Ref | VALVE INSTALLATION                                           | B   |
| 1    | 0100011     | AR  | Compound, Locking                                            |     |
| 4    | 0761009     | 3   | Bolt M10 x 18                                                |     |
| 7    | 4812000     | 3   | Washer M10                                                   |     |
| 8    | 5250611     | 2   | Bolt M6 x 22                                                 |     |
| 10   | 5251008     | 3   | Bolt M10 x 16                                                |     |
| 11   | 5251009     | 4   | Bolt M10 x 18                                                |     |
| 15   | 1001201484  | 1   | Filter, Hydraulic                                            |     |
| 15   | 70005336    | 1   | Element, Filter                                              |     |
| 17   | 1001208874  | 1   | Filter, Hydraulic                                            |     |
| 17   | 70010383    | 1   | Element, Filter                                              |     |
| 19   | 1001248610  | 1   | Main Valve Assembly (See Separate Breakdown in this Section) |     |
| 21   | 1001247434  | 1   | Plate                                                        |     |

SECTION 2 - TURNTABLE

FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY



ART\_1001248610



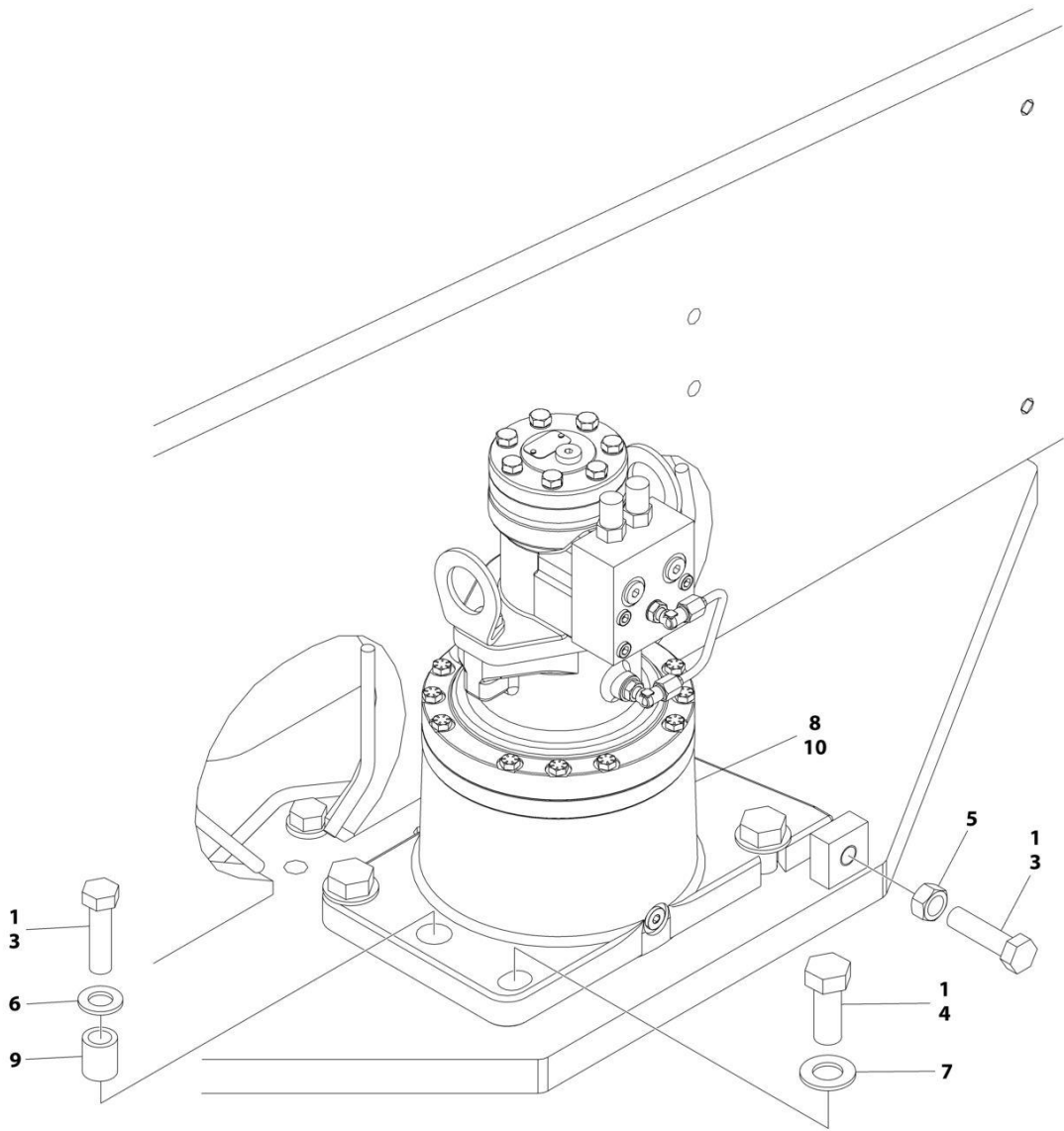
## SECTION 2 - TURNTABLE

**FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                              | REV |
|------|-------------|-----|------------------------------------------|-----|
|      | 1001248610  | Ref | MAIN CONTROL VALVE ASSEMBLY              | B   |
| 110  | 70008615    | 1   | Cartridge, Solenoid Valve (without Coil) |     |
| 115  | 70007504    | 1   | Coil                                     |     |
| 120  | 70003021    | 1   | Cartridge, Valve                         |     |
| 130  | 70008110    | 1   | Cartridge, Solenoid Valve (without Coil) |     |
| 135  | 70007504    | 1   | Coil                                     |     |
| 140  | 70008109    | 1   | Cartridge, Solenoid Valve (without Coil) |     |
| 145  | 70007504    | 1   | Coil                                     |     |
| 150  | 70005952    | 1   | Cartridge, Valve                         |     |
| 160  | 70008616    | 1   | Cartridge, Solenoid Valve (without Coil) |     |
| 165  | 70007504    | 1   | Coil                                     |     |
| 170  | 70008617    | 1   | Cartridge, Valve                         |     |
| 190  | 70003027    | 1   | Cartridge, Valve                         |     |
| 200  | 70008618    | 1   | Cartridge, Valve                         |     |
| 210  | 70023859    | 3   | Cartridge, Shuttle Valve                 |     |
| 220  | 70006114    | 1   | Cartridge, Pressure Compensator Valve    |     |
| 230  | 70006114    | 1   | Cartridge, Pressure Compensator Valve    |     |
| 240  | 70006115    | 1   | Cartridge, Solenoid Valve (without Coil) |     |
| 245  | 80434249    | 2   | Coil                                     |     |
| 250  | 70006117    | 1   | Cartridge, Solenoid Valve (without Coil) |     |
| 255  | 80434249    | 2   | Coil                                     |     |
| 260  | 70008440    | 1   | Cartridge, Solenoid Valve (without Coil) |     |
| 265  | 70004595    | 1   | Coil                                     |     |
| 270  | 70007617    | 1   | Cartridge, Solenoid Valve (without Coil) |     |
| 275  | 70007504    | 1   | Coil                                     |     |
| 300  | 70006119    | 2   | Cartridge, Valve                         |     |
| 310  | 2221086     | 1   | Fitting, Test                            |     |
| 320  | 70004613    | 2   | Cartridge, Valve                         |     |
| 8010 | 70002759    | 2   | Plug                                     |     |
| 8020 | 70004617    | 1   | Plug                                     |     |
| 8030 | 70002758    | 1   | Plug                                     |     |
| 8060 | 70006120    | 2   | Plug                                     |     |

SECTION 2 - TURNTABLE

FIGURE 2-3. SWING DRIVE INSTALLATION



ART\_1001185842

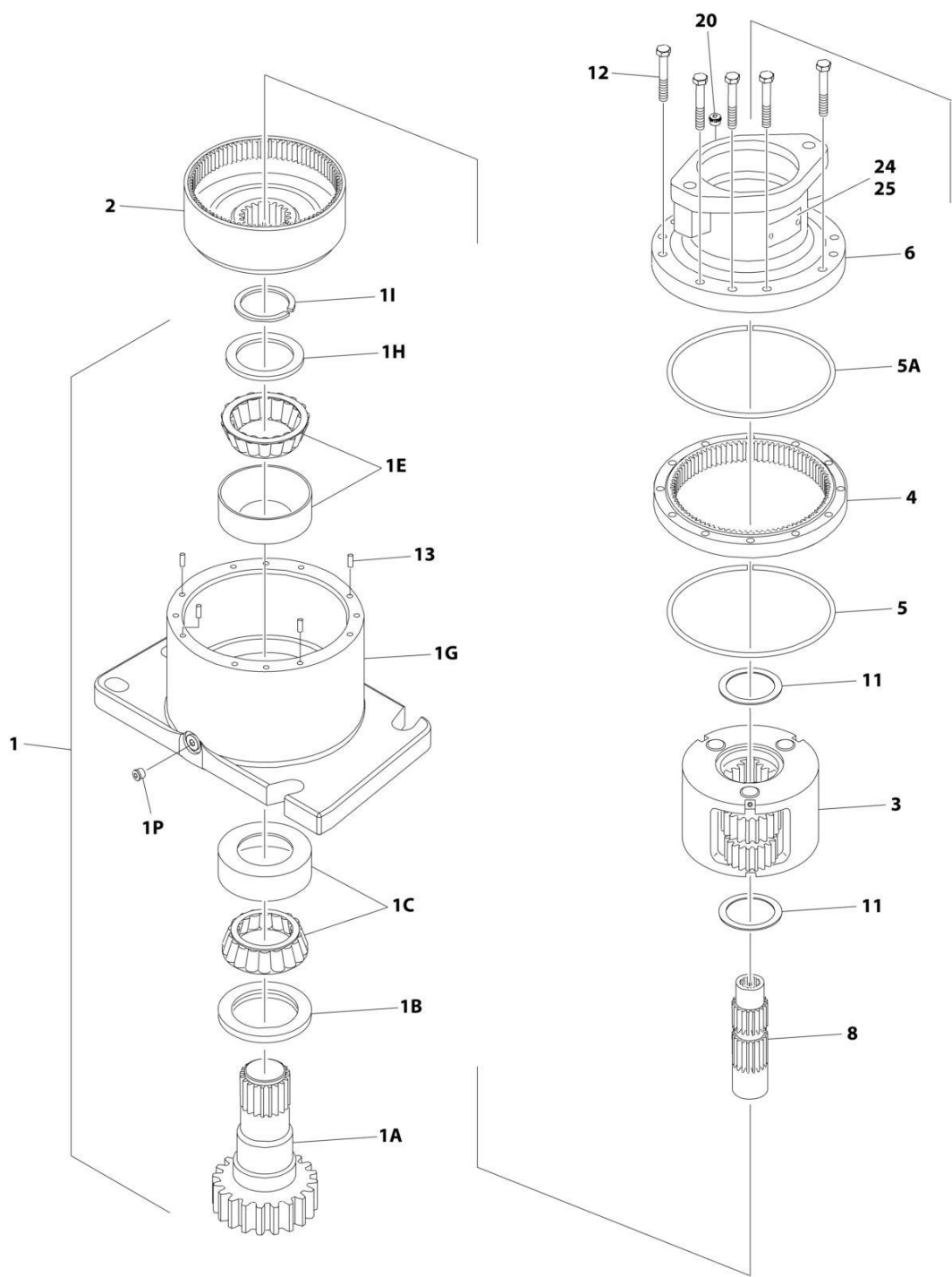
## SECTION 2 - TURNTABLE

**FIGURE 2-3. SWING DRIVE INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                       | REV |
|------|-------------|-----|-------------------------------------------------------------------|-----|
|      | 1001185842  | Ref | SWING DRIVE INSTALLATION                                          | B   |
| 1    | 0100019     | AR  | Compound, Locking                                                 |     |
| 3    | 0771620     | 2   | Bolt M16 x 60                                                     |     |
| 4    | 0772018     | 4   | Bolt M20 x 50                                                     |     |
| 5    | 3291601     | 1   | Nut M16                                                           |     |
| 6    | 5241600     | 1   | Washer M16                                                        |     |
| 7    | 5242000     | 4   | Washer M20                                                        |     |
| 8    | 1001125492  | 1   | Shim                                                              |     |
| 9    | 1001134543  | 1   | Spacer                                                            |     |
| 10   | 1001187855  | 1   | Swing Motor/Hub Assembly (See Separate Breakdown in this Section) |     |

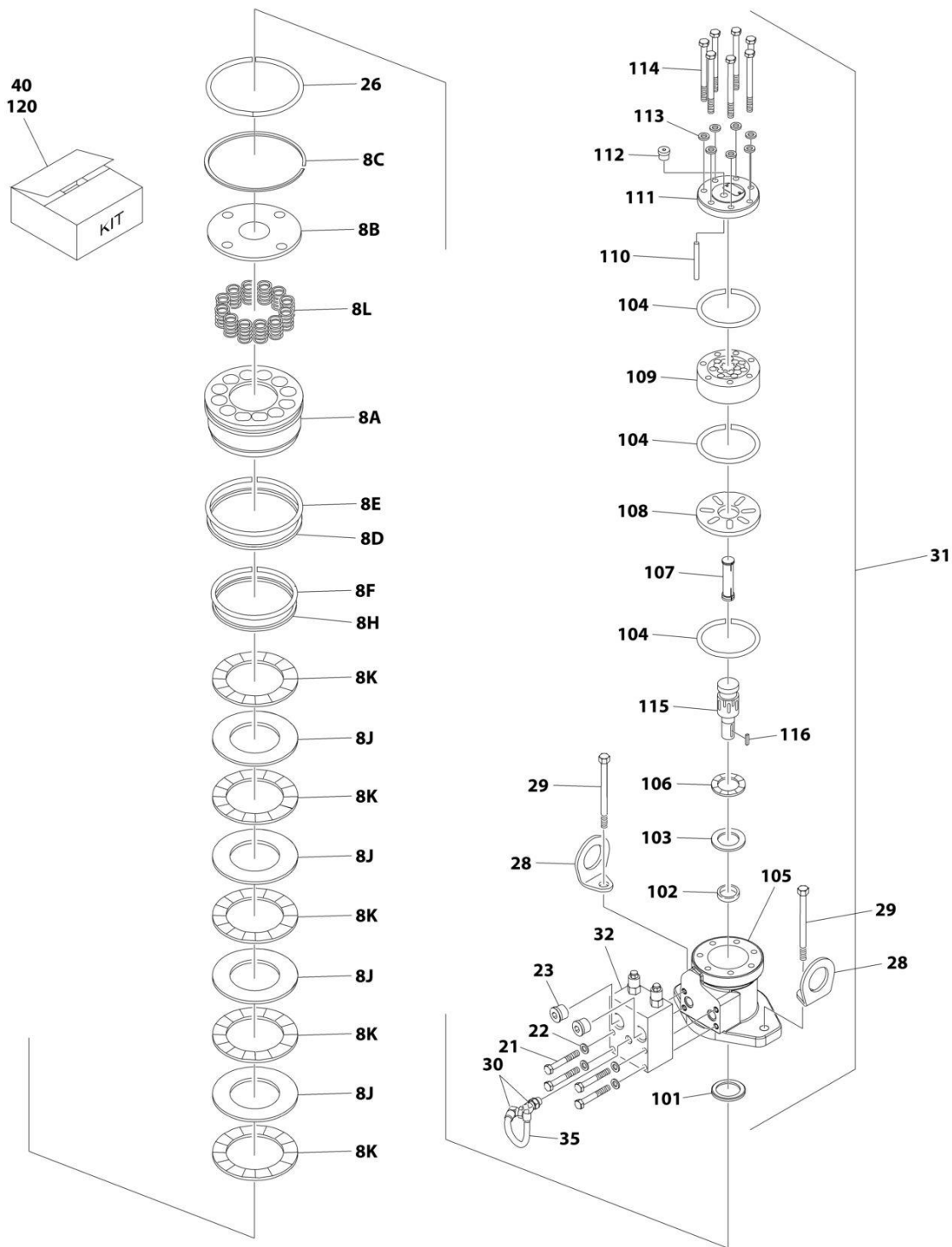
SECTION 2 - TURNTABLE

FIGURE 2-4. SWING MOTOR/HUB ASSEMBLY



ART\_1001187855\_1OF2

SECTION 2 - TURNTABLE



ART\_1001187855\_2OF2

## SECTION 2 - TURNTABLE

**FIGURE 2-4. SWING MOTOR/HUB ASSEMBLY**

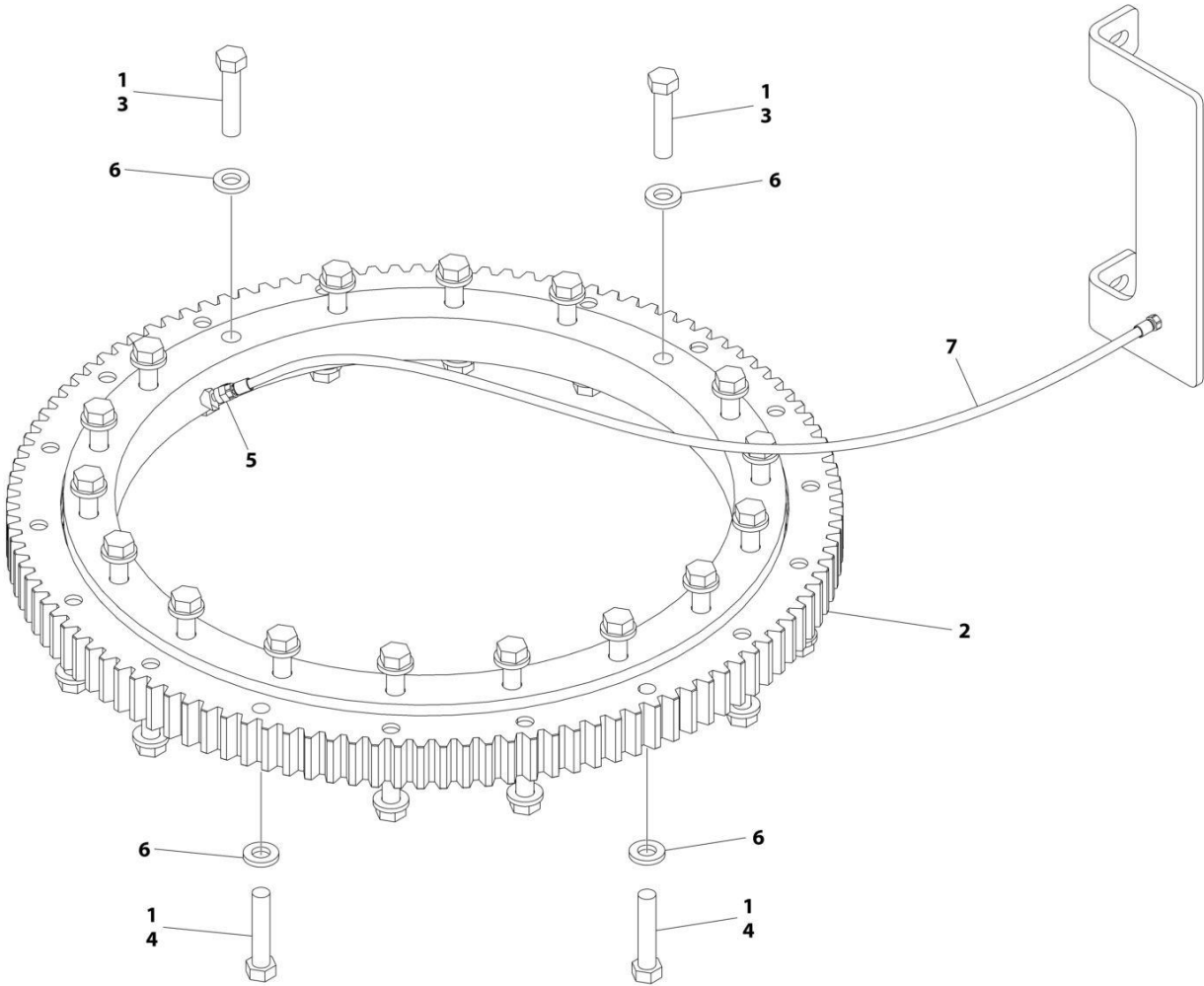
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                               | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------------|-----|
|      | 1001187855  | Ref | SWING MOTOR/HUB ASSEMBLY                                                                  | D   |
| 1    | See Note    | NSS | Housing/Shaft Assembly (Note: Not Available - Purchase Complete Swing Motor/Hub Assembly) |     |
| 1A   | 7010492     | 1   | Shaft, Output                                                                             |     |
| 1B   | 7000228     | 1   | Seal, Lip                                                                                 |     |
| 1C   | 7000255     | 1   | Bearing Kit (Includes Cup and Cone)                                                       |     |
| 1E   | 7000257     | 1   | Bearing Kit (Includes Cup and Cone)                                                       |     |
| 1G   | See Note    | 1   | Housing (Note: Not Available for Purchase)                                                |     |
| 1H   | 7007633     | 1   | Thrustwasher                                                                              |     |
| 1I   | 7000229     | 1   | Ring, Retaining                                                                           |     |
| 1P   | 7017072     | 1   | Plug, Pipe                                                                                |     |
| 2    | 7000246     | 1   | Gear, Internal                                                                            |     |
| 3    | 7000247     | 1   | Carrier Assembly                                                                          |     |
| 3A   | 7001931     | 1   | Carrier                                                                                   |     |
| 3B   | 7001985     | 6   | Washer, Tanged                                                                            |     |
| 3C   | 7001909     | 96  | Bearing, Needle                                                                           |     |
| 3D   | 7000263     | 3   | Thrustwasher                                                                              |     |
| 3E   | 7001911     | 3   | Shaft, Planet                                                                             |     |
| 3F   | 7001912     | 3   | Gear, Cluster                                                                             |     |
| 3G   | 7010474     | 3   | Roll Pin                                                                                  |     |
| 4    | 7000248     | 1   | Gear, Ring                                                                                |     |
| 5    | 7000230     | 1   | O-Ring (Black)                                                                            |     |
| 5A   | 7017070     | 1   | O-Ring (White)                                                                            |     |
| 6    | See Note    | NSS | Housing, Brake (Note: Not Available for Purchase)                                         |     |
| 7    | 70005203    | 1   | Gear, Sun                                                                                 |     |
| 8    |             | Ref | Brake Components                                                                          |     |
| 8A   | 70004037    | 1   | Piston, Brake                                                                             |     |
| 8B   | 7024743     | 1   | Plate, Pressure                                                                           |     |
| 8C   | 70004039    | 1   | Ring, Retaining                                                                           |     |
| 8D   | 70004041    | 1   | O-Ring                                                                                    |     |
| 8E   | 70004044    | 1   | Ring, Back-up                                                                             |     |
| 8F   | 70004042    | 1   | O-Ring                                                                                    |     |
| 8H   | 70004043    | 1   | Ring, Back-up                                                                             |     |
| 8J   | See Note    | NSS | Rotor, Brake (Note: Use p/n 70002085)                                                     |     |
| 8K   | See Note    | NSS | Stator, Brake (Note: Use p/n 70002085)                                                    |     |
| 8L   | 70002066    | 7   | Spring, Brake                                                                             |     |
| 11   | 7000253     | 2   | Thrustwasher                                                                              |     |
| 12   | 7000217     | 12  | Bolt, 5/16 x 2-1/4 Grade 8                                                                |     |
| 13   | 7017080     | 4   | Pin, Dowel                                                                                |     |
| 20   | 7017072     | 1   | Plug, Pipe                                                                                |     |
| 21   | 7024704     | 4   | Bolt 5/16 x 2 Grade 8                                                                     |     |
| 22   | 70004045    | 4   | Lockwasher                                                                                |     |
| 23   | 7017023     | 2   | Plug, Pipe                                                                                |     |
| 24   | See Note    | NSS | Plate, ID (Note: Not Available for Purchase)                                              |     |
| 25   | See Note    | NSS | Rivet                                                                                     |     |
| 26   | 7024763     | 1   | O-Ring                                                                                    |     |
| 28   | See Note    | NSS | Lug, Lifting (Note: Not Available for Purchase)                                           |     |
| 29   | 70004040    | 2   | Bolt 1/2 x 1-1/2 Grade 8                                                                  |     |
| 30   | 7017085     | 2   | Elbow                                                                                     |     |
| 31   | 70006304    | 1   | Motor Assembly (See Items 101-120 for Breakdown)                                          |     |

## SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION                                        | REV |
|------|-------------|-----|----------------------------------------------------|-----|
| 32   | 7024784     | 1   | Valve (No Serviceable Parts)                       |     |
| 33   | 7017082     | 1   | Plug, Pipe (Not Shown)                             |     |
| 35   | 70004047    | 1   | Tube                                               |     |
| 40   | 7024100     | 1   | Seal Kit - Hub (Includes Items 1B, 1I, 5, 5A & 11) |     |
|      | 70006304    | Ref | Motor Assembly                                     |     |
| 101  | See Note    | NSS | Seal, Dust (Note: Use Item 120)                    |     |
| 102  | See Note    | NSS | Seal, Shaft (Note: Use Item 120)                   |     |
| 103  | See Note    | NSS | Thrustwasher (Note: Use Item 120)                  |     |
| 104  | See Note    | NSS | Seal, Ring (Note: Use Item 120)                    |     |
| 105  | See Note    | NSS | Housing (Note: Purchase Complete Assembly)         |     |
| 106  | 70006306    | 1   | Bearing, Thrust                                    |     |
| 107  | 7005889     | 1   | Link, Drive                                        |     |
| 108  | 70006307    | 1   | Plate, Wear                                        |     |
| 109  | 70006310    | 1   | Rotor Set                                          |     |
| 110  | 7005891     | 1   | Pin                                                |     |
| 111  | 70006308    | 1   | Cover, End                                         |     |
| 112  | See Note    | NSS | Plug (Note: Purchase Complete Assembly)            |     |
| 113  | 70006309    | 1   | Washer Kit (Includes 7 Washers)                    |     |
| 114  | 70006313    | 1   | Bolt Kit (Includes 7 Bolts)                        |     |
| 115  | See Note    | NSS | Shaft (Note: Purchase Complete Assembly)           |     |
| 116  | See Note    | NSS | Key (Note: Purchase Complete Assembly)             |     |
| 120  | 70006305    | 1   | Seal Kit - Motor (Includes Items 101-104)          |     |

SECTION 2 - TURNTABLE

FIGURE 2-5. TURNTABLE BEARING AND LUBE INSTALLATION



ART\_1001289082



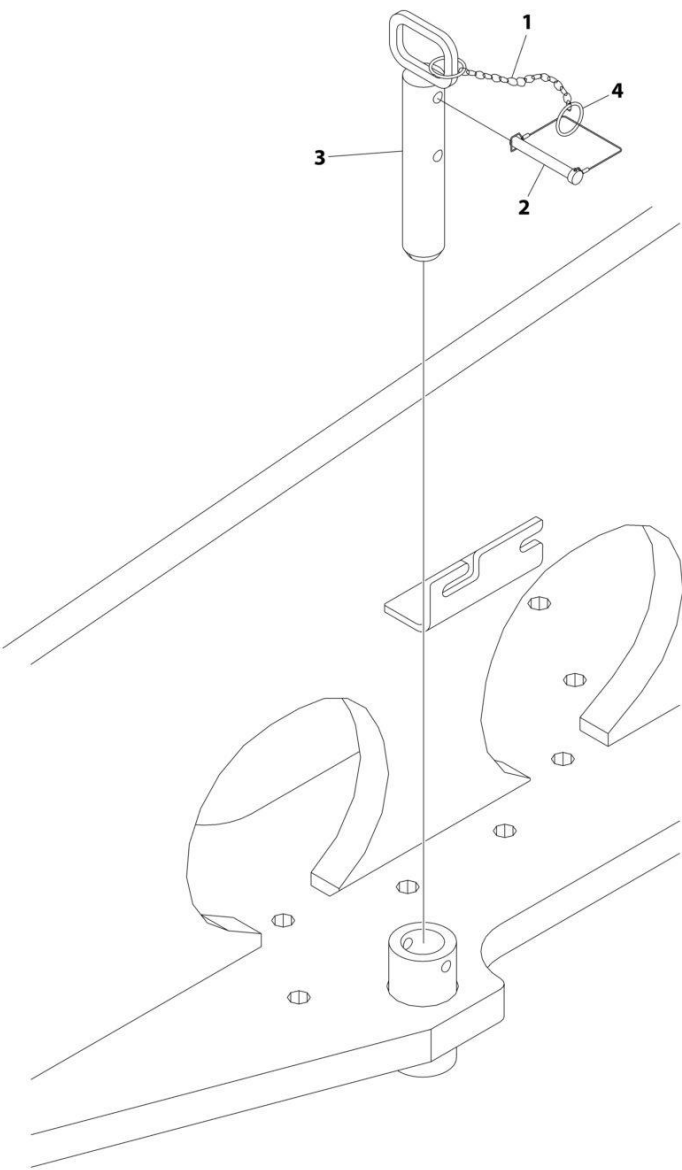
## SECTION 2 - TURNTABLE

**FIGURE 2-5. TURNTABLE BEARING AND LUBE INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                             | REV |
|------|-------------|-----|-----------------------------------------|-----|
|      | 1001289082  | Ref | TURNTABLE BEARING AND LUBE INSTALLATION | A   |
| 1    | 0100019     | AR  | Compound, Locking                       |     |
| 2    | 0440233     | 1   | Bearing, Turntable                      |     |
| 3    | 0682023     | 18  | Bolt 5/8 x 2-7/8                        |     |
| 4    | 0682024     | 18  | Bolt 5/8 x 3                            |     |
| 5    | 2220124     | 1   | Fitting, 45                             |     |
| 6    | 4892000     | 36  | Washer 5/8                              |     |
| 7    | 1001188125  | 1   | Hose                                    |     |

SECTION 2 - TURNTABLE

FIGURE 2-6. TURNTABLE LOCK INSTALLATION



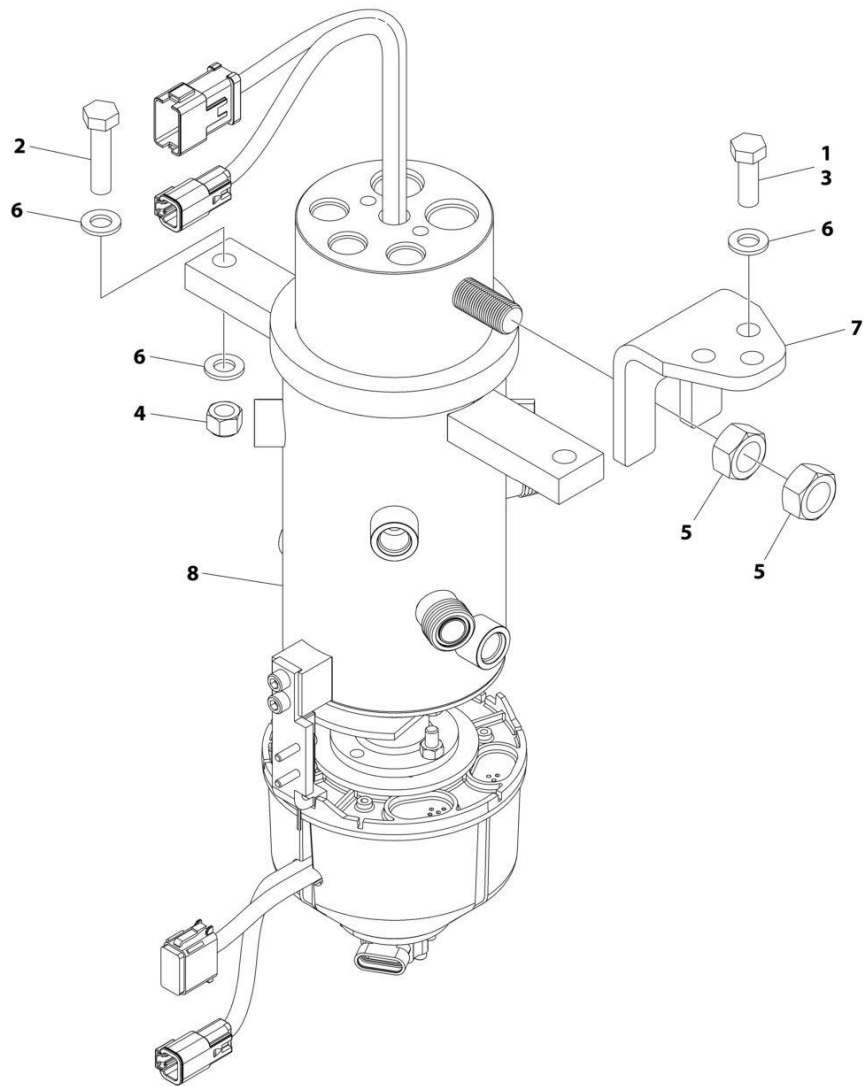
ART\_1001187022\_B

FIGURE 2-6. TURNTABLE LOCK INSTALLATION

| ITEM | PART NUMBER | QTY       | DESCRIPTION                 | REV |
|------|-------------|-----------|-----------------------------|-----|
|      | 1001187022  | Ref       | TURNTABLE LOCK INSTALLATION | B   |
| 1    | 1260017     | 9 in/23cm | Chain                       |     |
| 2    | 3421565     | 1         | Snap-Pin                    |     |
| 3    | 1001169582  | 1         | Pin, Lock                   |     |
| 4    | 3760170     | 2         | Ring                        |     |

SECTION 2 - TURNTABLE

FIGURE 2-7. ROTARY COUPLING INSTALLATION



ART\_1001284665

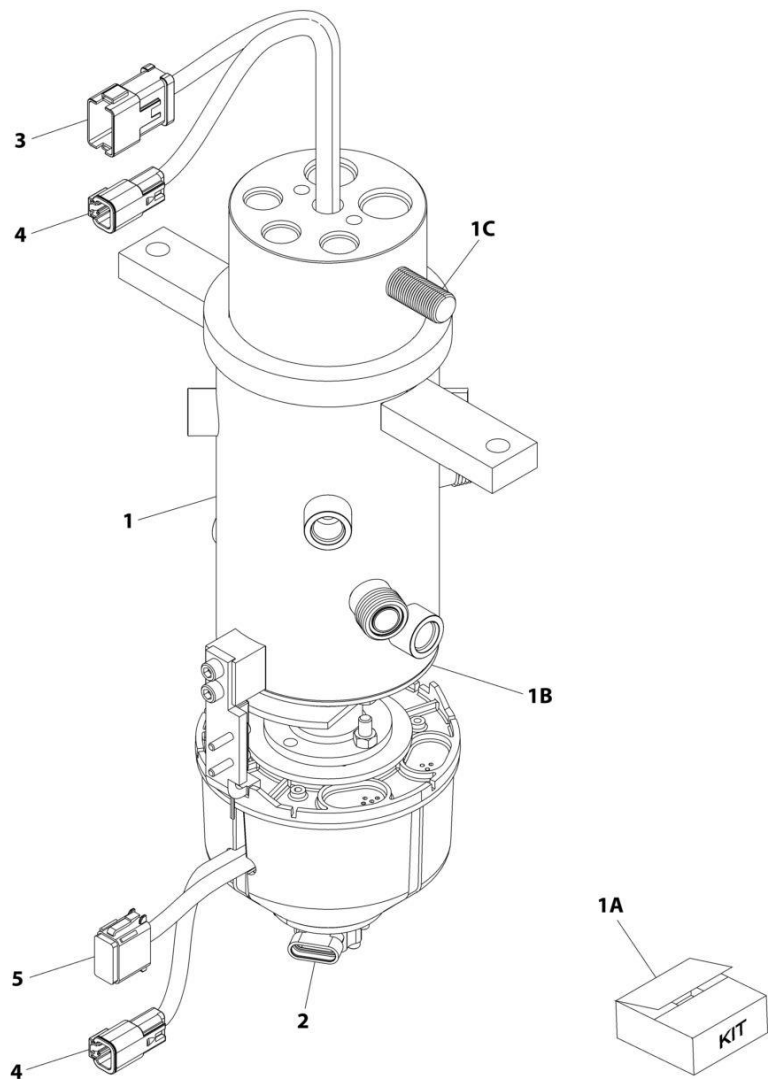
## SECTION 2 - TURNTABLE

**FIGURE 2-7. ROTARY COUPLING INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                               | REV |
|------|-------------|-----|---------------------------------------------------------------------------|-----|
|      | 1001284665  | Ref | ROTARY COUPLING INSTALLATION                                              | B   |
| 1    | 0100011     | AR  | Compound, Locking                                                         |     |
| 2    | 0761218     | 2   | Bolt M12 x 50                                                             |     |
| 3    | 0761215     | 3   | Bolt M12 x 35                                                             |     |
| 4    | 3291205     | 2   | Nut M12                                                                   |     |
| 5    | 3292001     | 2   | Nut M20                                                                   |     |
| 6    | 4812100     | 7   | Washer M12                                                                |     |
| 7    | 1001187953  | 1   | Mount                                                                     |     |
| 8    | 1001275928  | 1   | Coupling/Collector Ring Assembly (See Separate Breakdown in this Section) |     |

SECTION 2 - TURNTABLE

FIGURE 2-8. ROTARY COUPLING AND COLLECTOR RING ASSEMBLY



ART\_1001275928

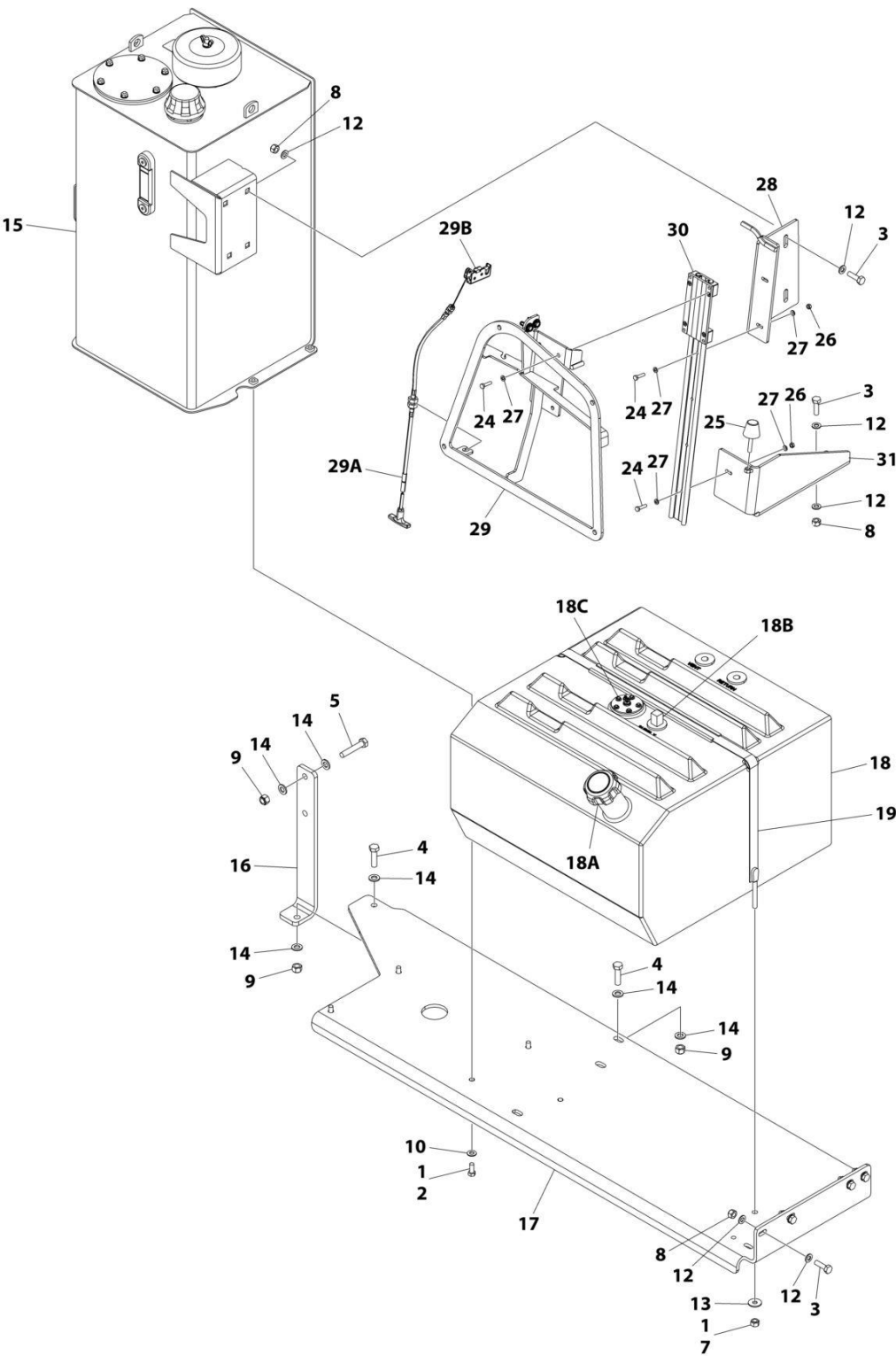
## SECTION 2 - TURNTABLE

**FIGURE 2-8. ROTARY COUPLING AND COLLECTOR RING ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                 | REV |
|------|-------------|-----|-------------------------------------------------------------|-----|
|      | 1001275928  | Ref | ROTARY COUPLING AND COLLECTOR RING ASSEMBLY                 | A   |
|      | See Note    | Ref | Note: No Other Service Parts Available at Time of Printing. |     |
| 1    | 70007511    | 1   | Coupling, Hydraulic                                         |     |
| 1A   | 70007512    | 1   | Seal Kit - 70007511 Coupling                                |     |
| 1B   | 7026503     | 2   | Ring, Thrust                                                |     |
| 1B   | 7026504     | 1   | Ring, Retaining                                             |     |
| 1C   | 70007509    | 1   | Lug, Torque                                                 |     |
| 2    | 1001133759  | 1   | Sensor                                                      |     |
| 3    | 4460950     | 1   | Connector                                                   |     |
| 3    | 4460943     | 5   | Pin                                                         |     |
| 3    | 4460516     | 1   | Pin                                                         |     |
| 3    | 4460466     | 6   | Plug, Terminal                                              |     |
| 4    | 4461017     | 2   | Connector                                                   |     |
| 4    | 4460508     | 4   | Pin                                                         |     |
| 5    | 4460836     | 1   | Connector                                                   |     |
| 5    | 4460944     | 2   | Socket                                                      |     |
| 5    | 4460465     | 6   | Socket                                                      |     |
| 5    | 4460466     | 4   | Plug, Terminal                                              |     |

SECTION 2 - TURNTABLE

FIGURE 2-9. TANKS INSTALLATION (WITH HELGESEN HYDRAULIC TANK)



ART\_1001255083\_B



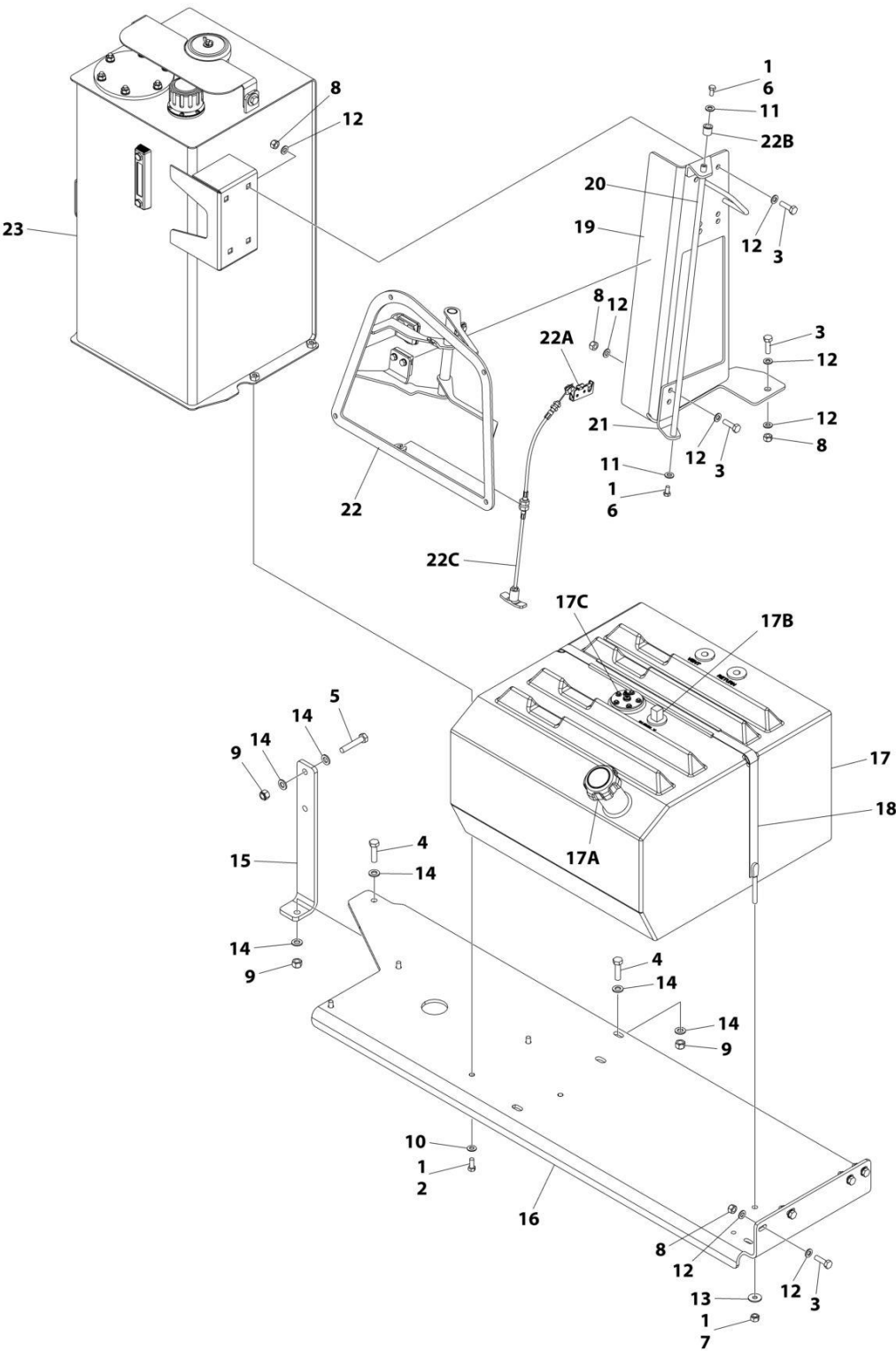
## SECTION 2 - TURNTABLE

**FIGURE 2-9. TANKS INSTALLATION (WITH HELGESEN HYDRAULIC TANK)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                                      | REV |
|------|-------------|-----------------|------------------------------------------------------------------|-----|
|      | 1001255083  | Ref             | TANKS INSTALLATION                                               | B   |
| 1    | 0100011     | AR              | Compound, Locking                                                |     |
| 2    | 0641608     | 4               | Bolt 3/8 x 1                                                     |     |
| 3    | 0701015     | 9               | Bolt M10 x 35                                                    |     |
| 4    | 0701217     | 2               | Bolt M12 x 45                                                    |     |
| 5    | 0701221     | 2               | Bolt M12 x 65                                                    |     |
| 7    | 3291001     | 2               | Nut M10                                                          |     |
| 8    | 3291005     | 9               | Nut M10                                                          |     |
| 9    | 3291205     | 4               | Nut M12                                                          |     |
| 10   | 4711600     | 4               | Washer 3/8                                                       |     |
| 12   | 4812000     | 18              | Washer M10                                                       |     |
| 13   | 4812002     | 2               | Washer M10                                                       |     |
| 14   | 4812100     | 8               | Washer M12                                                       |     |
| 15   | 1001178057  | 1               | Hydraulic Tank Assembly (See Separate Breakdown in this Section) |     |
| 16   | 1001199883  | 1               | Support                                                          |     |
| 17   | 1001199933  | 1               | Tray                                                             |     |
| 18   | 1001201325  | 1               | Tank, Fuel                                                       |     |
| 18A  | 70004414    | 1               | Cap, Fill                                                        |     |
| 18B  | 7020043     | 1               | Tube, Pickup                                                     |     |
| 18C  | 1001148607  | 1               | Sender, Fuel Level                                               |     |
| 18C  | 0731005     | 5               | Screw #10 x 5/8                                                  |     |
| 18C  | 4751000     | 5               | Washer #10                                                       |     |
| 19   | 1001238954  | 1               | Strap Assembly                                                   |     |
| 19   | 1001189119  | 1               | Strap                                                            |     |
| 19   | 4280295     | 48 in/<br>122cm | Strip, Protector                                                 |     |
| 24   | 0760612     | 7               | Bolt M6 x 25                                                     |     |
| 25   | 0940088     | 1               | Bumper,Hood                                                      |     |
| 26   | 3290601     | 3               | Nut M6                                                           |     |
| 27   | 4811700     | 10              | Washer M6                                                        |     |
| 28   | 1001274418  | 1               | Support, Control Panel Slide                                     |     |
| 29   | 1001276042  | 1               | Panel Slide Assembly                                             |     |
| 29A  | 2940098     | 1               | Latch                                                            |     |
| 29B  | 1001255432  | 1               | Cable, Release                                                   |     |
| 30   | 1001276045  | 1               | Rail, Ground Control Panel Assy                                  |     |
| 31   | 1001282393  | 1               | Bracket, Lower Control Panel                                     |     |

SECTION 2 - TURNTABLE

FIGURE 2-10. TANKS INSTALLATION (WITH JIANGYING HYDRAULIC TANK)



ART\_1001284768

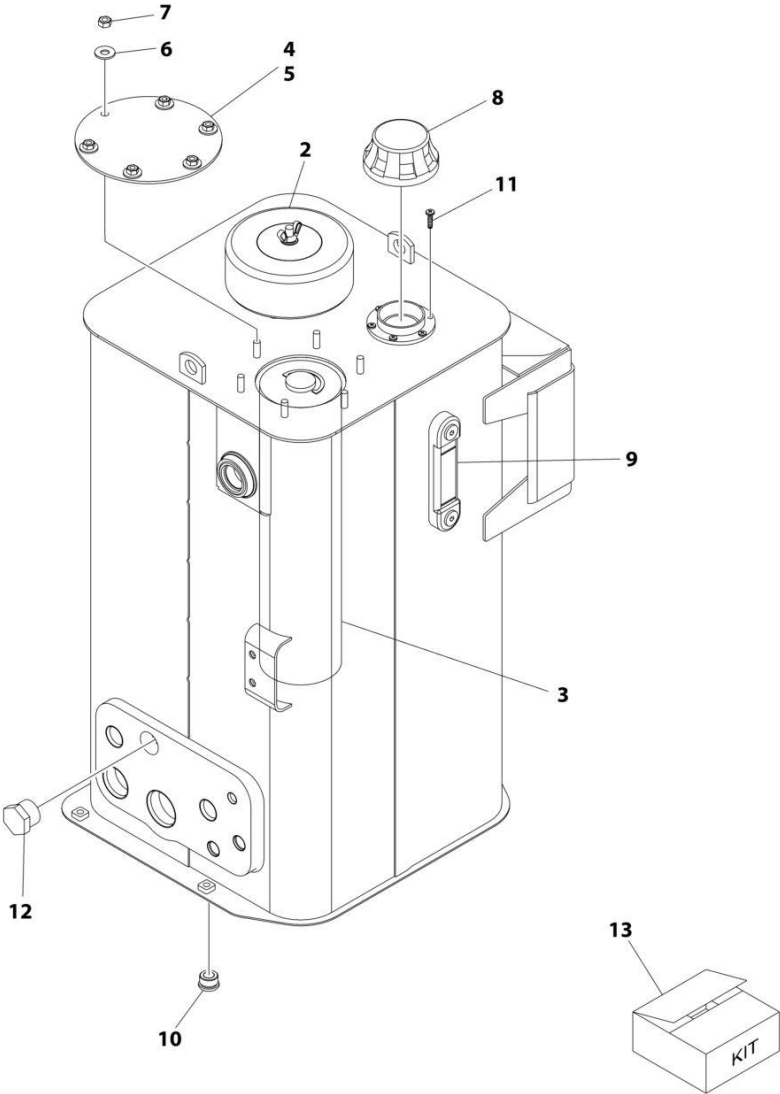
## SECTION 2 - TURNTABLE

**FIGURE 2-10. TANKS INSTALLATION (WITH JIANGYING HYDRAULIC TANK)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                                      | REV |
|------|-------------|-----------------|------------------------------------------------------------------|-----|
|      | 1001284768  | Ref             | TANKS INSTALLATION                                               | A   |
| 1    | 0100011     | AR              | Compound, Locking                                                |     |
| 2    | 0641608     | 4               | Bolt 3/8 x 1                                                     |     |
| 3    | 0701015     | 11              | Bolt M10 x 35                                                    |     |
| 4    | 0701217     | 2               | Bolt M12 x 45                                                    |     |
| 5    | 0701221     | 2               | Bolt M12 x 65                                                    |     |
| 6    | 0760808     | 2               | Bolt M8 x 16                                                     |     |
| 7    | 3291001     | 2               | Nut M10                                                          |     |
| 8    | 3291005     | 11              | Nut M10                                                          |     |
| 9    | 3291205     | 4               | Nut M12                                                          |     |
| 10   | 4711600     | 4               | Washer 3/8                                                       |     |
| 11   | 4811900     | 2               | Washer M8                                                        |     |
| 12   | 4812000     | 22              | Washer M10                                                       |     |
| 13   | 4812002     | 2               | Washer M10                                                       |     |
| 14   | 4812100     | 8               | Washer M12                                                       |     |
| 15   | 1001199883  | 1               | Support                                                          |     |
| 16   | 1001199933  | 1               | Tray                                                             |     |
| 17   | 1001201325  | 1               | Tank, Fuel                                                       |     |
| 17A  | 70004414    | 1               | Cap, Fill                                                        |     |
| 17B  | 7020043     | 1               | Tube, Pickup                                                     |     |
| 17C  | 1001148607  | 1               | Sender, Fuel Level                                               |     |
| 17C  | 0731005     | 5               | Screw #10 x 5/8                                                  |     |
| 17C  | 4751000     | 5               | Washer #10                                                       |     |
| 18   | 1001238954  | 1               | Strap Assembly                                                   |     |
| 18   | 1001189119  | 1               | Strap                                                            |     |
| 18   | 4280295     | 48 in/<br>122cm | Strip, Protector                                                 |     |
| 19   | 1001254407  | 1               | Support, Ground Control                                          |     |
| 20   | 1001255090  | 1               | Rod                                                              |     |
| 21   | 1001255091  | 1               | Plate                                                            |     |
| 22   | 1001255098  | 1               | Panel Slide Assembly                                             |     |
| 22A  | 2940098     | 1               | Latch                                                            |     |
| 22B  | 1001189738  | 2               | Bearing                                                          |     |
| 22C  | 1001255432  | 1               | Cable, Release                                                   |     |
| 23   | 1001267678  | 1               | Hydraulic Tank Assembly (See Separate Breakdown in this Section) |     |

SECTION 2 - TURNTABLE

FIGURE 2-11. HYDRAULIC TANK ASSEMBLY - HELGESEN



ART\_1001178057

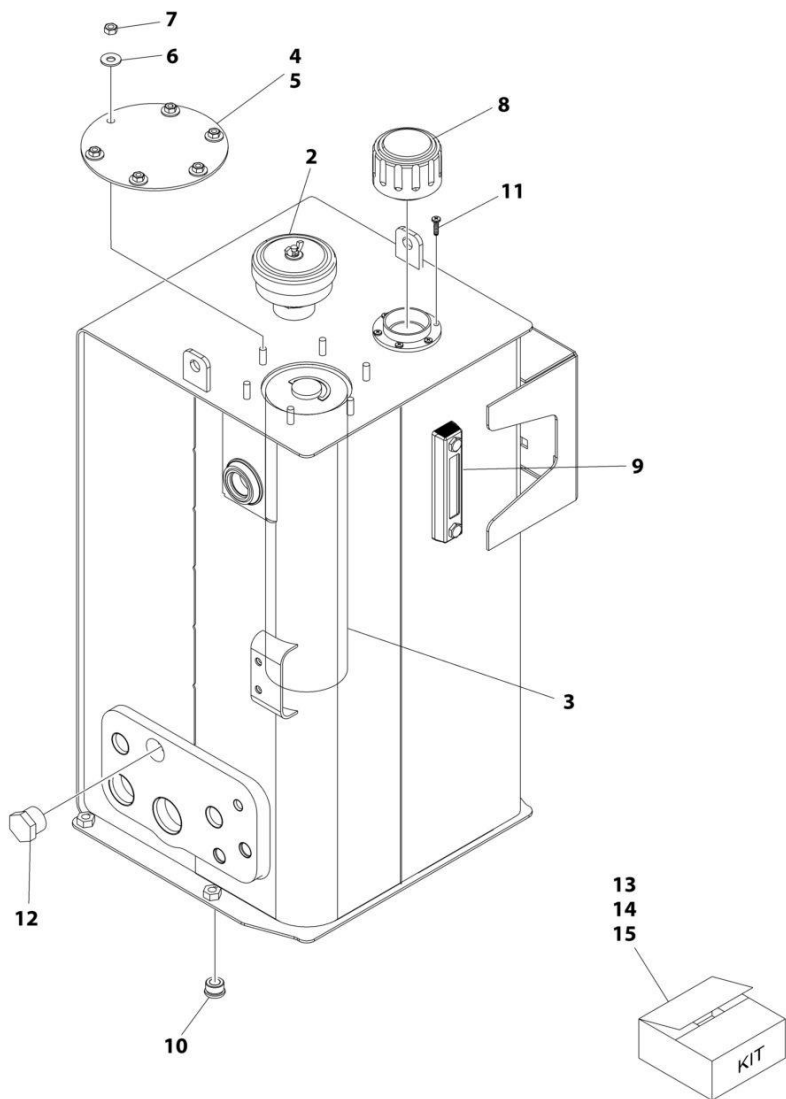
## SECTION 2 - TURNTABLE

**FIGURE 2-11. HYDRAULIC TANK ASSEMBLY - HELGESEN**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                | REV |
|------|-------------|-----|------------------------------------------------------------|-----|
|      | 1001178057  | Ref | HYDRAULIC TANK ASSEMBLY                                    | D   |
| 2    | 70005708    | 1   | Breather Assembly (Includes Breather, Element and Wingnut) |     |
| 2    | See Note    | NSS | Element, Breather (Note: Use p/n 70005708 or Item 13)      |     |
| 3    | See Note    | NSS | Element, Hydraulic (Note: Use Item 13)                     |     |
| 4    | 70002839    | 1   | Gasket                                                     |     |
| 5    | See Note    | NSS | Cover (Note: Not Available for Purchase)                   |     |
| 6    | 83304173    | 6   | Washer 5/16                                                |     |
| 7    | 70004199    | 6   | Nut 5/16                                                   |     |
| 8    | 70002838    | 1   | Cap, Fill                                                  |     |
| 9    | 7024441     | 1   | Gauge, Level                                               |     |
| 10   | 70002112    | 1   | Plug                                                       |     |
| 11   | 70004795    | 6   | Screw #10 x 3/4                                            |     |
| 12   | See Note    | NSS | Plug (Note: Not Available - Purchase Locally)              |     |
| 13   | 70002814    | 1   | Hydraulic Tank Service Kit (Includes Items 2-4)            |     |

SECTION 2 - TURNTABLE

FIGURE 2-12. HYDRAULIC TANK ASSEMBLY - JIANGYING



ART\_1001267678

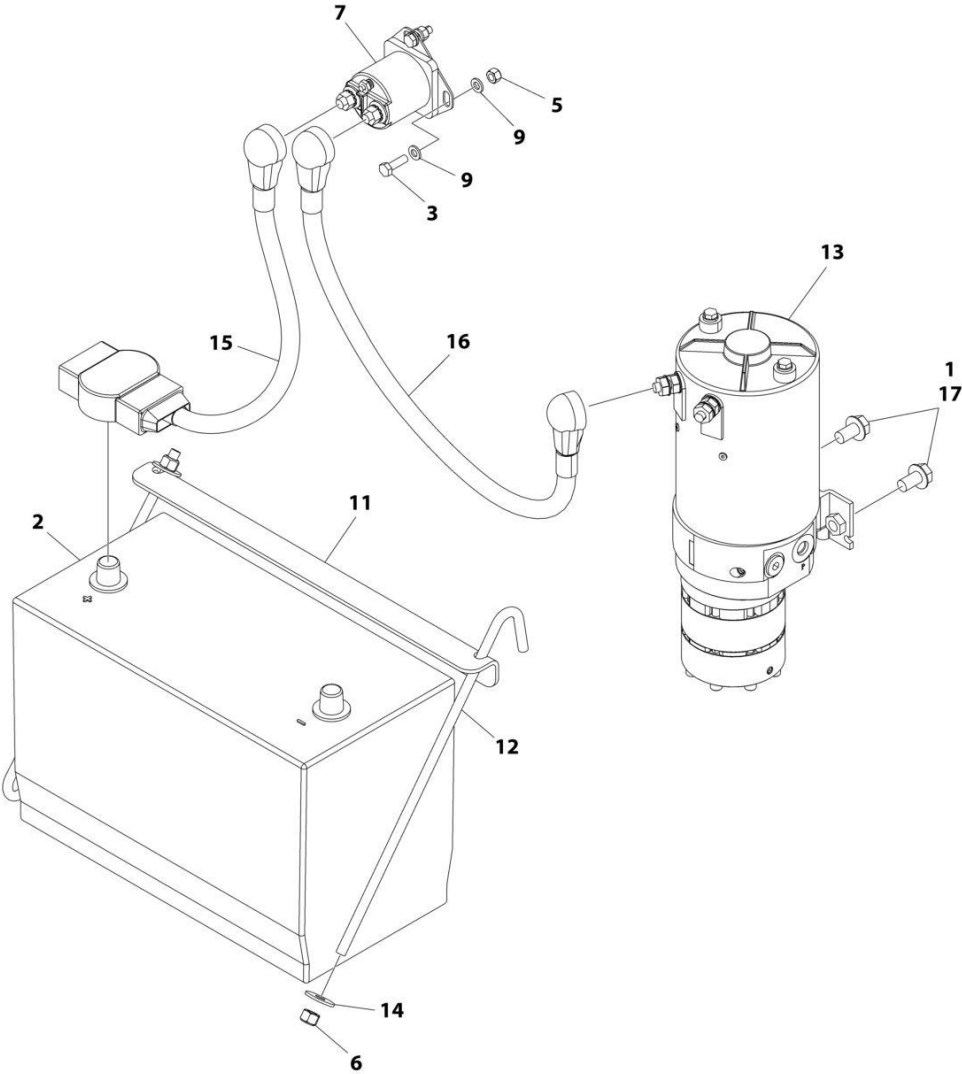
## SECTION 2 - TURNTABLE

**FIGURE 2-12. HYDRAULIC TANK ASSEMBLY - JIANGYING**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                            | REV |
|------|-------------|-----|------------------------------------------------------------------------|-----|
|      | 1001267678  | REF | HYDRAULIC TANK ASSEMBLY                                                | A   |
| 1    | See Note    | NSS | Hydraulic Tank Weldment (Not Shown) (Note: Not Available for Purchase) |     |
| 2    | See Note    | NSS | Breather Assembly (Note: Use Item 13)                                  |     |
| 3    | See Note    | NSS | Element, Filter (Note: Use Item Use Item 14)                           |     |
| 4    | 70002839    | 1   | Gasket                                                                 |     |
| 5    | See Note    | NSS | Cover (Note: Not Available for Purchase)                               |     |
| 6    | 83304173    | 6   | Washer 1/4                                                             |     |
| 7    | 70004199    | 6   | Nut 5/16                                                               |     |
| 8    | 70002838    | 1   | Cap, Fill                                                              |     |
| 9    | 70024441    | 1   | Gauge, Level                                                           |     |
| 10   | 70002112    | 1   | Plug                                                                   |     |
| 11   | 70004795    | 6   | Screw 10 x 3/4                                                         |     |
| 12   | See Note    | NSS | Plug (Note: Not Available for Purchase)                                |     |
| 13   | 70007726    | 1   | Breather Kit (Note: Includes Item 2)                                   |     |
| 14   | 70007727    | 1   | Return Filter Kit (Note: Includes Item 3)                              |     |
| 15   | 70007725    | 1   | Level Gauge Kit                                                        |     |

SECTION 2 - TURNTABLE

FIGURE 2-13. BATTERY AND AUXILIARY PUMP INSTALLATION



ART\_1001186346



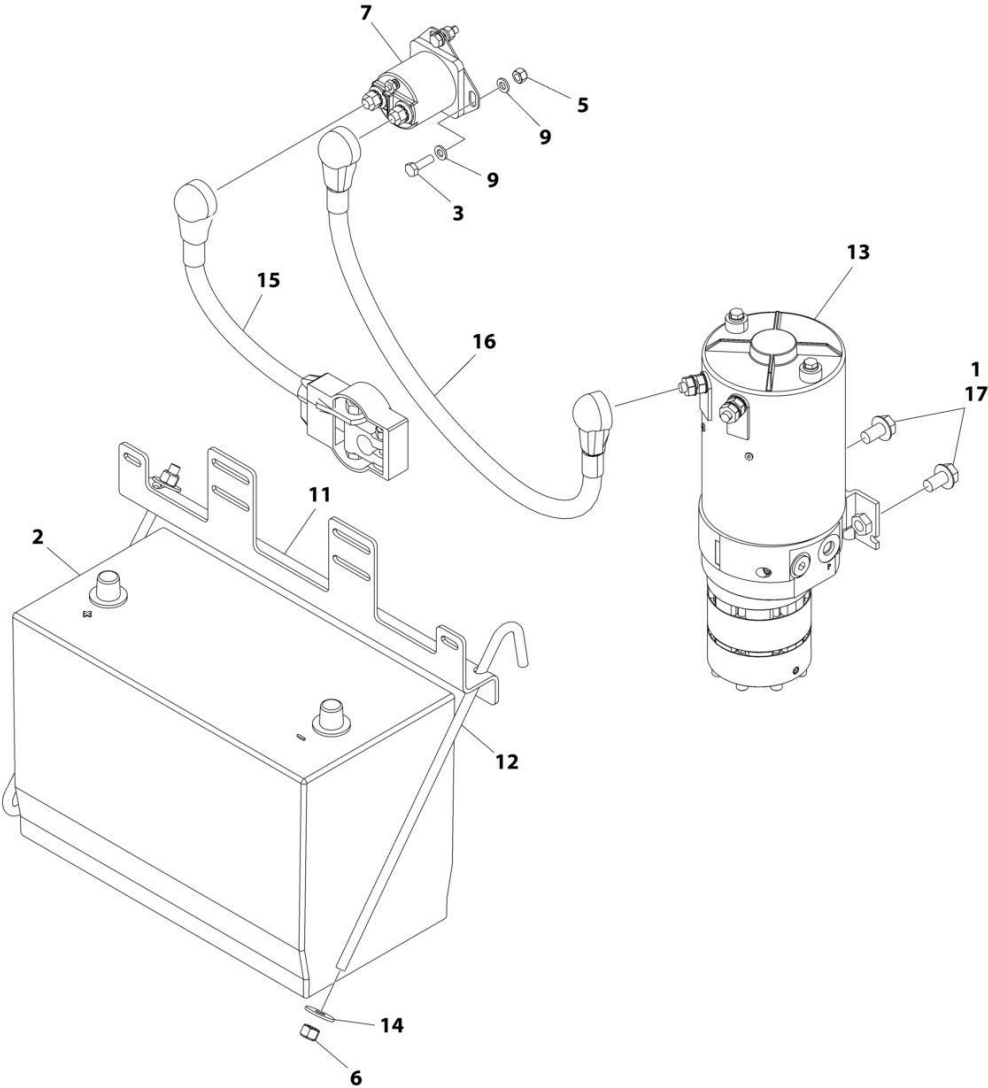
## SECTION 2 - TURNTABLE

**FIGURE 2-13. BATTERY AND AUXILIARY PUMP INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                   | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001186346  | Ref | BATTERY AND AUXILIARY PUMP INSTALLATION                                                                                                       | G   |
| 1    | 0100011     | AR  | Compound, Locking                                                                                                                             |     |
| 2    | 0400075     | 1   | Battery                                                                                                                                       |     |
| 3    | 0700610     | 2   | Bolt M6 x 20                                                                                                                                  |     |
| 5    | 3290605     | 2   | Nut M6                                                                                                                                        |     |
| 6    | 3290805     | 2   | Nut M8                                                                                                                                        |     |
| 7    | 3740067     | 1   | Relay                                                                                                                                         |     |
| 9    | 4811700     | 4   | Washer M6                                                                                                                                     |     |
| 11   | 91401281    | 1   | Bracket, Hold Down                                                                                                                            |     |
| 12   | 1001192012  | 2   | J-Bolt                                                                                                                                        |     |
| 13   | 1001187808  | 1   | Auxiliary Pump/Motor Assembly (Note: Replacement Motor is only Service Component Available. For Other Components, Replace Complete Assembly.) |     |
| 13   | 70003998    | 1   | Motor, Replacement                                                                                                                            |     |
| 14   | 4811902     | 2   | Washer M8                                                                                                                                     |     |
| 15   | 1001188664  | 1   | Cable, Battery (+)                                                                                                                            |     |
| 16   | 1001188666  | 1   | Cable, Aux Relay to Aux Pump                                                                                                                  |     |
| 17   | 5251009     | 2   | Bolt M10 x 18                                                                                                                                 |     |

SECTION 2 - TURNTABLE

FIGURE 2-14. BATTERY AND AUXILIARY PUMP WITH DISCONNECT SWITCH INSTALLATION



ART\_1001238663

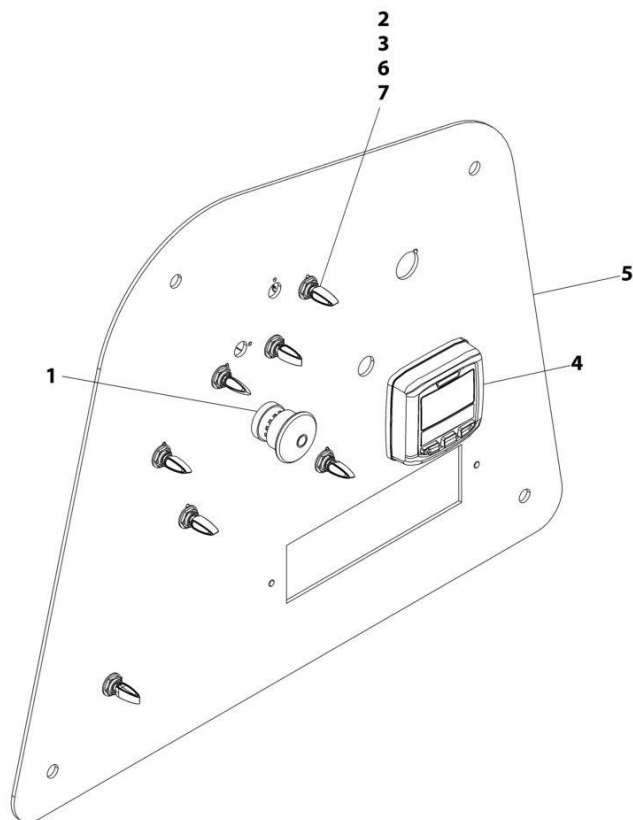
## SECTION 2 - TURNTABLE

**FIGURE 2-14. BATTERY AND AUXILIARY PUMP WITH DISCONNECT SWITCH INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                         | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001238663  | Ref | BATTERY AND AUXILIARY PUMP W/DISCONNECT SWITCH<br>INSTALLATION                                                                                      | B   |
| 1    | 0100011     | AR  | Compound, Locking                                                                                                                                   |     |
| 2    | 0400075     | 1   | Battery                                                                                                                                             |     |
| 3    | 0700610     | 2   | Bolt M6 x 20                                                                                                                                        |     |
| 5    | 3290605     | 2   | Nut M6                                                                                                                                              |     |
| 6    | 3290805     | 2   | Nut M8                                                                                                                                              |     |
| 7    | 3740067     | 1   | Relay                                                                                                                                               |     |
| 9    | 4811700     | 4   | Washer M6                                                                                                                                           |     |
| 11   | 1001236303  | 1   | Bracket, Hold Down                                                                                                                                  |     |
| 12   | 1001192012  | 2   | J-Bolt                                                                                                                                              |     |
| 13   | 1001187808  | 1   | Auxiliary Pump/Motor Assembly (Note: Replacement Motor is only<br>Service Component Available. For Other Components, Replace<br>Complete Assembly.) |     |
| 13   | 70003998    | 1   | Motor, Replacement                                                                                                                                  |     |
| 14   | 4811902     | 2   | Washer M8                                                                                                                                           |     |
| 15   | 1001188664  | 1   | Cable, Battery (+)                                                                                                                                  |     |
| 16   | 1001188666  | 1   | Cable, Aux Relay to Aux Pump                                                                                                                        |     |
| 17   | 5251009     | 2   | Bolt M10 x 18                                                                                                                                       |     |

## SECTION 2 - TURNTABLE

**FIGURE 2-15. GROUND CONTROL ASSEMBLY (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)**



**NOTE: FOR LIGHT PANEL COMPONENTS, SEE SEPARATE BREAKDOWN IN ELECTRICAL INSTALLATION OR LIGHT PANEL INSTALLATION.**

ART\_1001250273

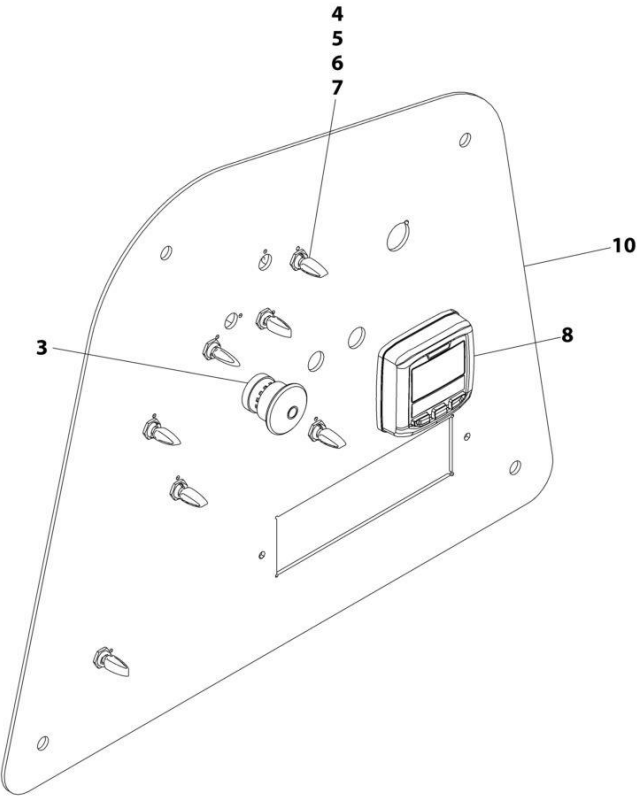
## SECTION 2 - TURNTABLE

**FIGURE 2-15. GROUND CONTROL ASSEMBLY (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                   | REV |
|------|-------------|-----|-------------------------------|-----|
|      | 1001250273  | Ref | GROUND CONTROL PANEL ASSEMBLY | B   |
| 1    | 4360475     | 1   | Switch, Emergency Stop        |     |
| 1    | 7020175     | 1   | Cap                           |     |
| 1    | 7020176     | 1   | Block, Contact                |     |
| 2    | 1001155043  | 7   | Washer                        |     |
| 3    | 1001155044  | 7   | Nut 15/32                     |     |
| 4    | 1001171482  | 1   | Gauge                         |     |
| 5    | 1001191126  | 1   | Plate                         |     |
| 6    | 4740397     | 7   | Washer                        |     |
| 7    | 1001155045  | 7   | Switch, Toggle                |     |
| 8    | 4460234     | AR  | Mount, Tie Strap (Not Shown)  |     |

SECTION 2 - TURNTABLE

FIGURE 2-16. GROUND CONTROL ASSEMBLY (DEUTZ TD2.2L3 ENGINES)



ART\_1001245775

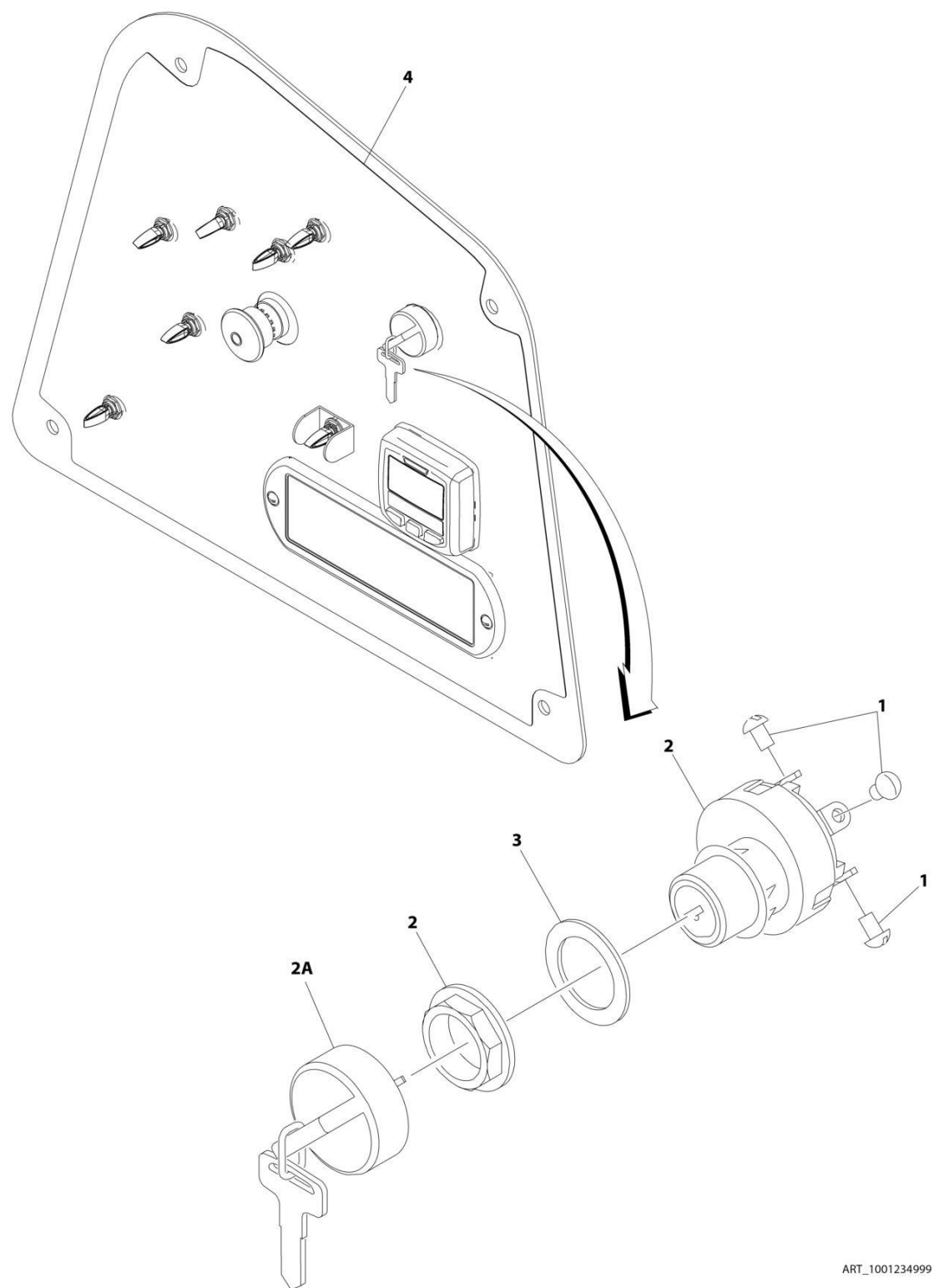
## SECTION 2 - TURNTABLE

**FIGURE 2-16. GROUND CONTROL ASSEMBLY (DEUTZ TD2.2L3 ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                   | REV |
|------|-------------|-----|-------------------------------|-----|
|      | 1001245775  | Ref | GROUND CONTROL PANEL ASSEMBLY | B   |
| 3    | 4360475     | 1   | Switch, Emergency Stop        |     |
| 3    | 7020175     | 1   | Cap                           |     |
| 3    | 7020176     | 1   | Block, Contact                |     |
| 4    | 4740397     | 7   | Washer                        |     |
| 5    | 1001155043  | 7   | Washer                        |     |
| 6    | 1001155044  | 7   | Nut 15/32                     |     |
| 7    | 1001155045  | 7   | Switch, Toggle                |     |
| 8    | 1001171482  | 1   | Gauge                         |     |
| 10   | 1001245773  | 1   | Plate                         |     |

SECTION 2 - TURNTABLE

FIGURE 2-17. KEYSWITCH INSTALLATION (ALL SPECS EXCEPT CE SPECS)



ART\_1001234999



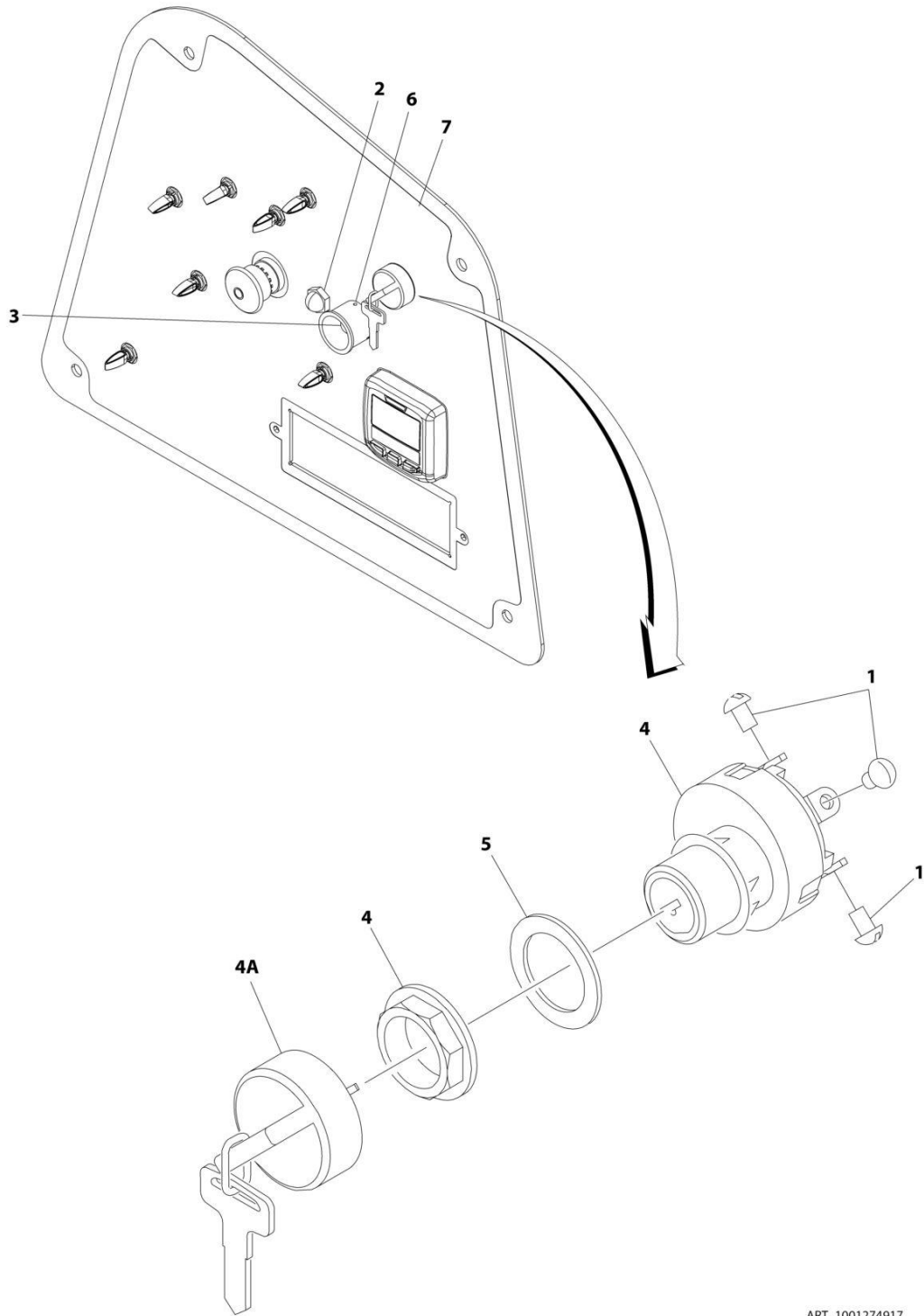
**SECTION 2 - TURNTABLE**

**FIGURE 2-17. KEYSWITCH INSTALLATION (ALL SPECS EXCEPT CE SPECS)**

| ITEM | PART NUMBER | QTY   | DESCRIPTION                  | REV |
|------|-------------|-------|------------------------------|-----|
|      | 1001234999  | Ref   | KEYSWITCH INSTALLATION       | A   |
| 1    | 3910804     | 6     | Screw #8 x 1/4               |     |
| 2    | 4360469     | 1     | Switch, Key                  |     |
| 2A   | 2860030     | 1 Set | Key, Replacement             |     |
| 3    | 1001151393  | 1     | Shim                         |     |
| 4    | 1001246393  | 1     | Decal - Ground Control Panel |     |

SECTION 2 - TURNTABLE

FIGURE 2-18. KEYSWITCH INSTALLATION (CE SPECS)



ART\_1001274917

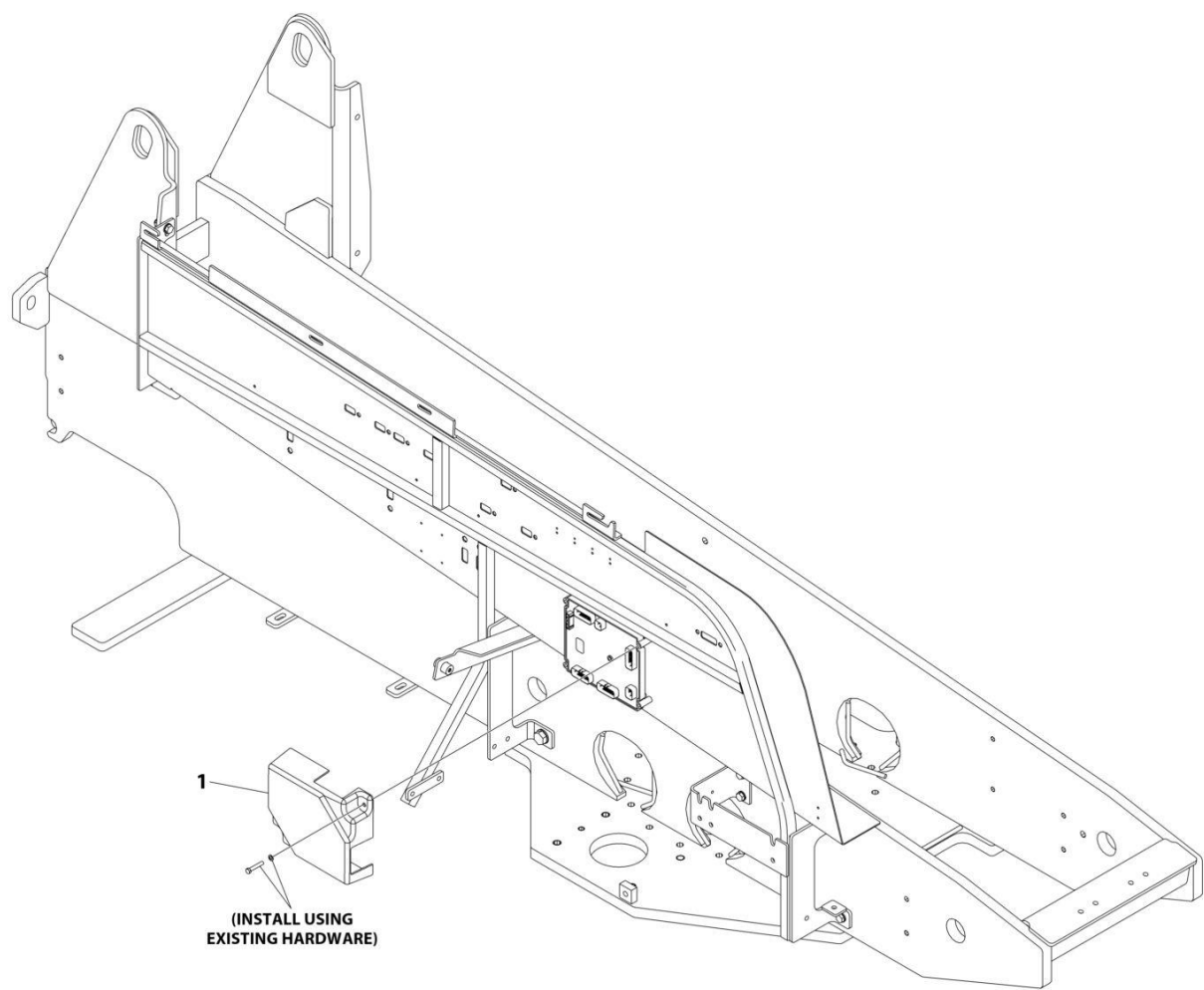
## SECTION 2 - TURNTABLE

**FIGURE 2-18. KEYSWITCH INSTALLATION (CE SPECS)**

| ITEM | PART NUMBER | QTY   | DESCRIPTION                  | REV |
|------|-------------|-------|------------------------------|-----|
|      | 1001274917  | Ref   | KEYSWITCH INSTALLATION       | A   |
| 1    | 3910804     | 6     | Screw #8 x 1/4               |     |
| 2    | 4360274     | 1     | Switch, Gray Push Button     |     |
| 3    | 4360387     | 1     | Switch, Push Button          |     |
| 4    | 4360469     | 1     | Switch, Key                  |     |
| 4A   | 2860030     | 1 Set | Key, Replacement             |     |
| 5    | 1001151393  | 1     | Shim                         |     |
| 6    | 1001176469  | 1     | Shroud, Switch               |     |
| 7    | 1001274920  | 1     | Decal - Ground Control Panel |     |

SECTION 2 - TURNTABLE

FIGURE 2-19. CONTROLLER COVER INSTALLATION



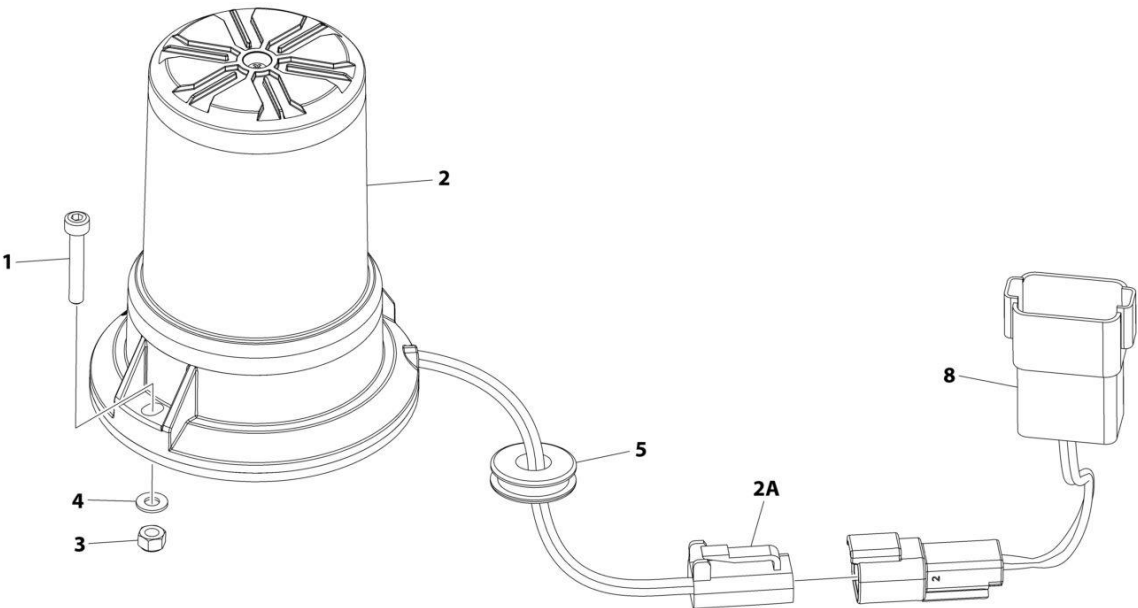
ART\_1001258085

FIGURE 2-19. CONTROLLER COVER INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION                   | REV |
|------|-------------|-----|-------------------------------|-----|
| 1    | 1001258085  | Ref | CONTROLLER COVER INSTALLATION | A   |
|      | 1001218539  | 1   | Cover, Controller             |     |

**SECTION 2 - TURNTABLE**

**FIGURE 2-20. STROBE LIGHT INSTALLATION - AMBER (OPTIONAL)**



ART\_1001191557\_F

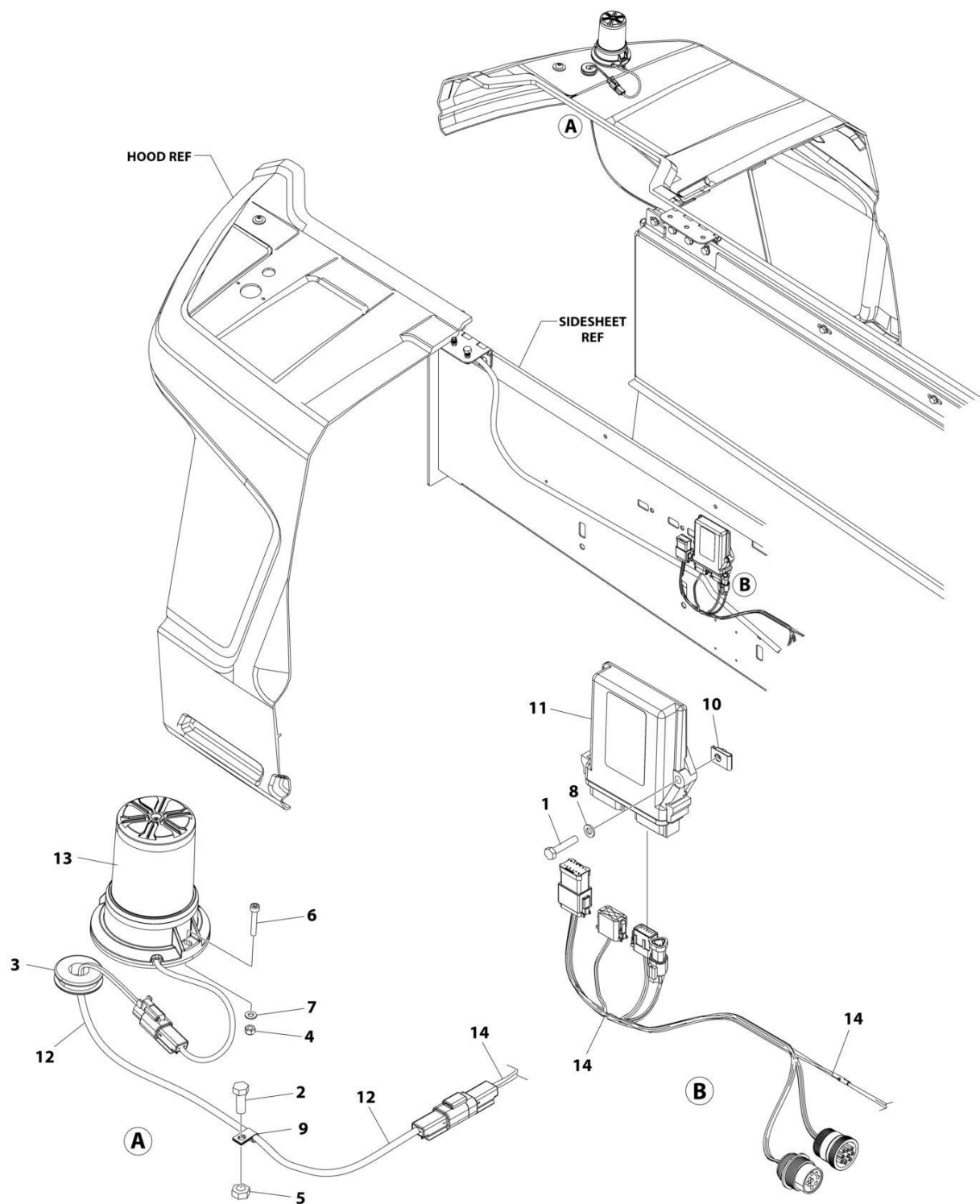
## SECTION 2 - TURNTABLE

**FIGURE 2-20. STROBE LIGHT INSTALLATION - AMBER (OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                          | REV |
|------|-------------|-----|----------------------------------------------------------------------|-----|
|      | 1001191557  | Ref | STROBE LIGHT INSTALLATION                                            | F   |
| 1    | 4031509     | 2   | Screw M4 x 25                                                        |     |
| 2    | 1001270594  | 1   | Light Strobe (Amber)                                                 |     |
| 2A   | 4460891     | 1   | Plug, Male - 2 Position                                              |     |
| 2A   | 4460465     | 2   | Socket, Female                                                       |     |
| 3    | 3290405     | 2   | Nut, Lock M4                                                         |     |
| 4    | 4811400     | 2   | Washer M4                                                            |     |
| 5    | 2540020     | 1   | Grommet                                                              |     |
| 7    | 4240099     | AR  | Tie-Strap (Not Shown)                                                |     |
| 8    | 1001283776  | 1   | Strobe Jumper Harness (See Separate Breakdown in ELECTRICAL Section) |     |

SECTION 2 - TURNTABLE

FIGURE 2-21. STROBE LIGHT INSTALLATION - BLUE (OPTIONAL)



ART\_1001243464\_C



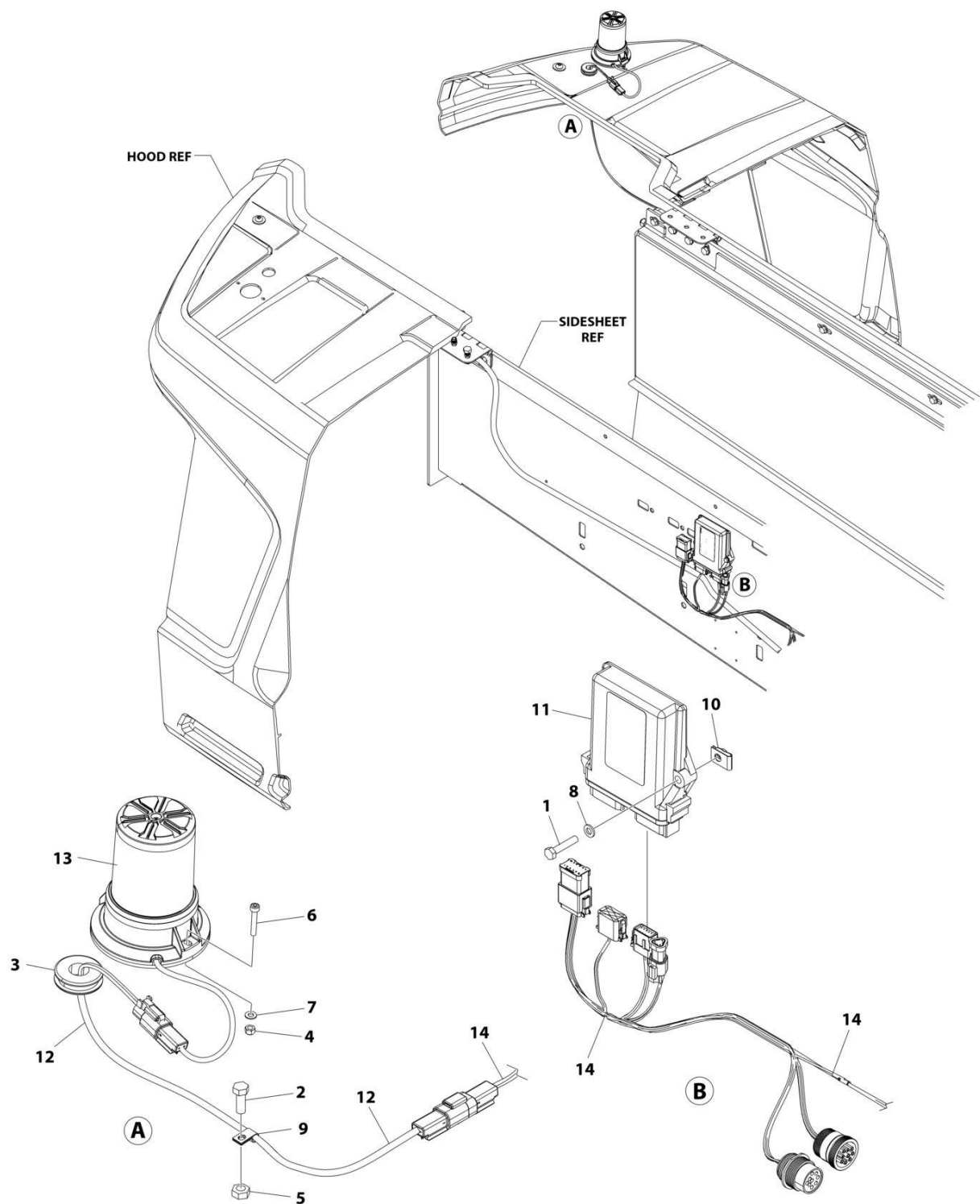
## SECTION 2 - TURNTABLE

**FIGURE 2-21. STROBE LIGHT INSTALLATION - BLUE (OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                 | REV |
|------|-------------|-----|-----------------------------------------------------------------------------|-----|
|      | 1001243464  | Ref | STROBE LIGHT INSTALLATION                                                   | C   |
| 1    | 0760614     | 2   | Bolt M6 x 30                                                                |     |
| 2    | 0761016     | 1   | Bolt M10 x 40                                                               |     |
| 3    | 2540020     | 1   | Grommet                                                                     |     |
| 4    | 3290405     | 2   | Nut, Lock M4                                                                |     |
| 5    | 3291005     | 1   | Nut, Lock M10                                                               |     |
| 6    | 4031509     | 2   | Screw M4 x 25                                                               |     |
| 7    | 4811400     | 2   | Washer M4                                                                   |     |
| 8    | 4811700     | 2   | Washer M6                                                                   |     |
| 9    | 8406110     | 1   | Clip                                                                        |     |
| 10   | 1001130220  | 2   | Nut, Tinnerman M6                                                           |     |
| 11   | 1001142683  | 1   | Module, Beacon Control                                                      |     |
| 12   | 1001142736  | 1   | Strobe Light Control Harness (See Separate Breakdown in ELECTRICAL Section) |     |
| 13   | 1001272681  | 1   | Light, Strobe (Blue)                                                        |     |
| 13   | 4460897     | 2   | Receptacle, Female - 2 Position                                             |     |
| 13   | 4460464     | 4   | Pin, Male                                                                   |     |
| 14   | 1001285733  | 1   | Strobe Jumper Harness (See Separate Breakdown in ELECTRICAL Section)        |     |

SECTION 2 - TURNTABLE

FIGURE 2-22. STROBE LIGHT INSTALLATION - RED (OPTIONAL)



ART\_1001243465\_C

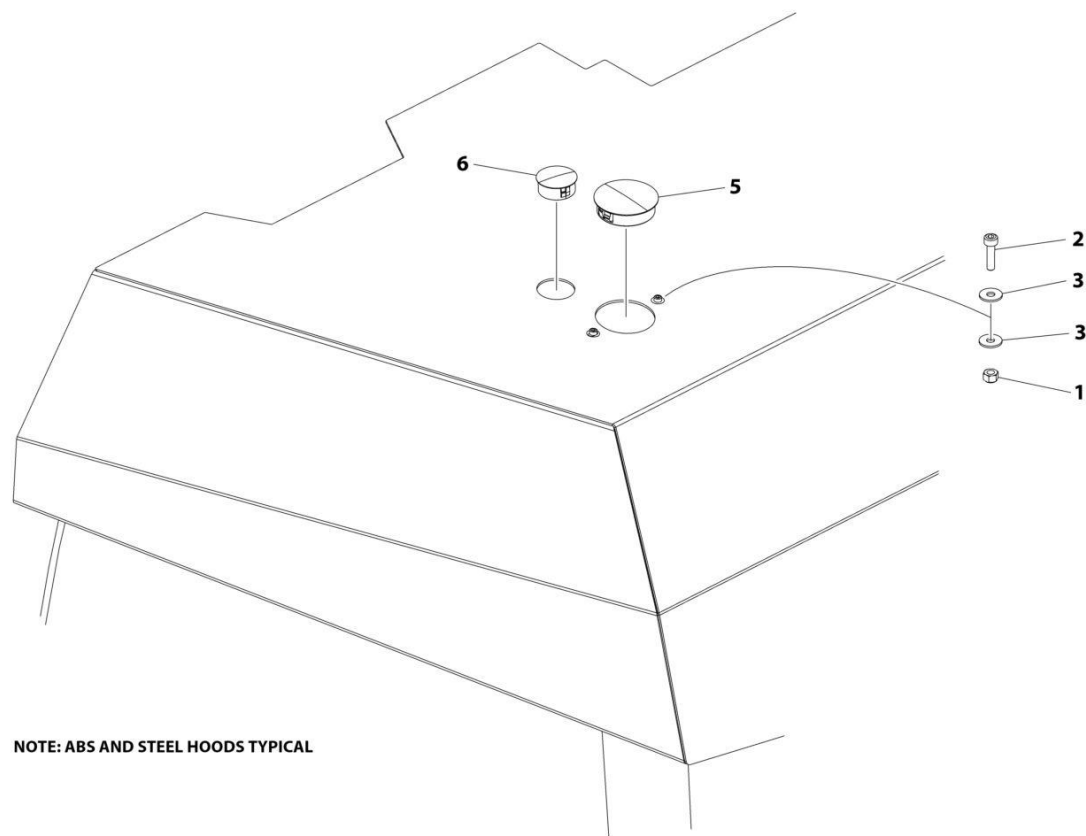
## SECTION 2 - TURNTABLE

**FIGURE 2-22. STROBE LIGHT INSTALLATION - RED (OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                 | REV |
|------|-------------|-----|-----------------------------------------------------------------------------|-----|
|      | 1001243465  | Ref | STROBE LIGHT INSTALLATION                                                   | C   |
| 1    | 0760614     | 2   | Bolt M6 x 30                                                                |     |
| 2    | 0761016     | 1   | Bolt M10 x 40                                                               |     |
| 3    | 2540020     | 1   | Grommet                                                                     |     |
| 4    | 3290405     | 2   | Nut, Lock M4                                                                |     |
| 5    | 3291005     | 1   | Nut, Lock M10                                                               |     |
| 6    | 4031509     | 2   | Screw M4 x 25                                                               |     |
| 7    | 4811400     | 2   | Washer M4                                                                   |     |
| 8    | 4811700     | 2   | Washer M6                                                                   |     |
| 9    | 8406110     | 1   | Clip                                                                        |     |
| 10   | 1001130220  | 2   | Nut, Tinnerman M6                                                           |     |
| 11   | 1001142683  | 1   | Module, Beacon Control                                                      |     |
| 12   | 1001142736  | 1   | Strobe Light Control Harness (See Separate Breakdown in ELECTRICAL Section) |     |
| 13   | 1001272682  | 1   | Light, Strobe (Red)                                                         |     |
| 13   | 4460897     | 2   | Receptacle, Female - 2 Position                                             |     |
| 13   | 4460464     | 4   | Pin, Male                                                                   |     |
| 14   | 1001285733  | 1   | Strobe Jumper Harness (See Separate Breakdown in ELECTRICAL Section)        |     |

SECTION 2 - TURNTABLE

FIGURE 2-23. NO STOBE LIGHT INSTALLATION



NOTE: ABS AND STEEL HOODS TYPICAL

ART\_1001285811

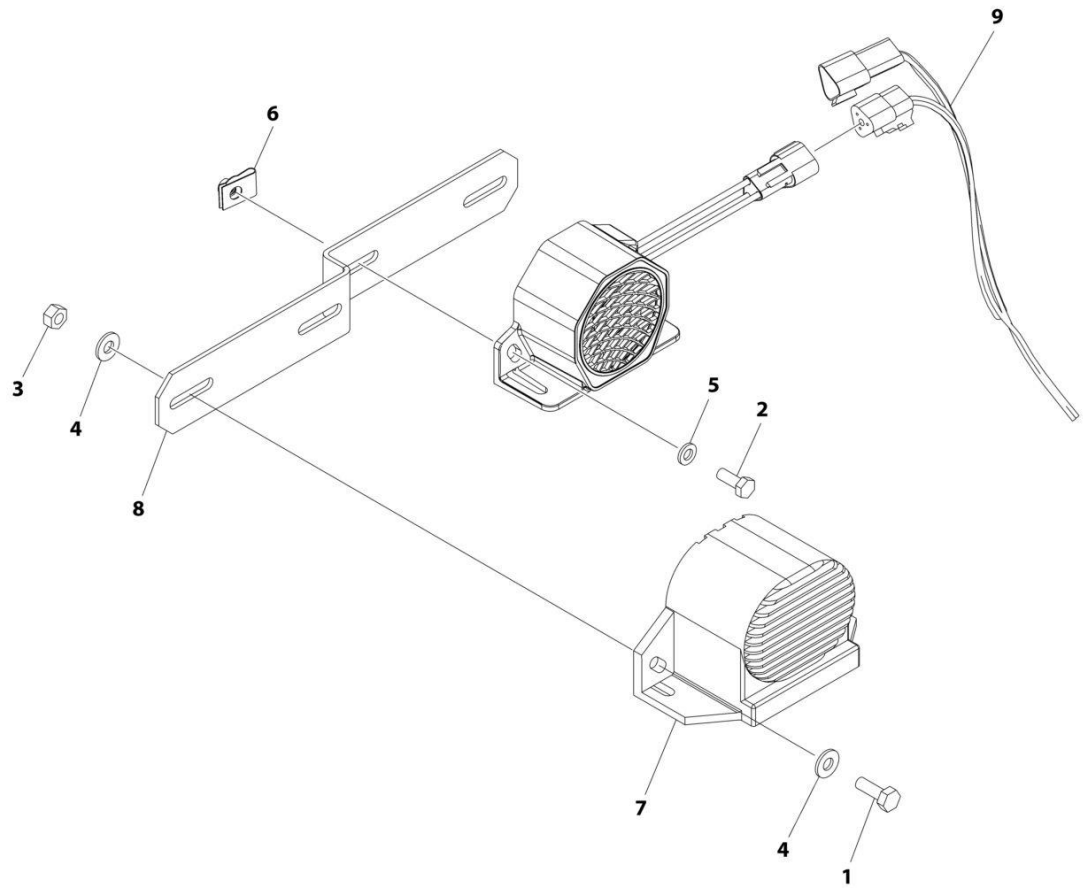
## SECTION 2 - TURNTABLE

**FIGURE 2-23. NO STOBE LIGHT INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION             | REV |
|------|-------------|-----|-------------------------|-----|
|      | 1001285811  | Ref | HOOD PLUGS INSTALLATION | A   |
| 1    | 3290405     | 2   | Nut M4                  |     |
| 2    | 4031507     | 2   | Capscrew M4 x 16        |     |
| 3    | 1001091102  | 4   | Washer M6               |     |
| 4    | 1001244462  | 1   | Cap, Dust (Not Shown)   |     |
| 5    | 1001285891  | 1   | Plug                    |     |
| 6    | 1001285892  | 1   | Plug                    |     |

SECTION 2 - TURNTABLE

FIGURE 2-24. WHITE NOISE ALARM INSTALLATION



ART\_1001247386

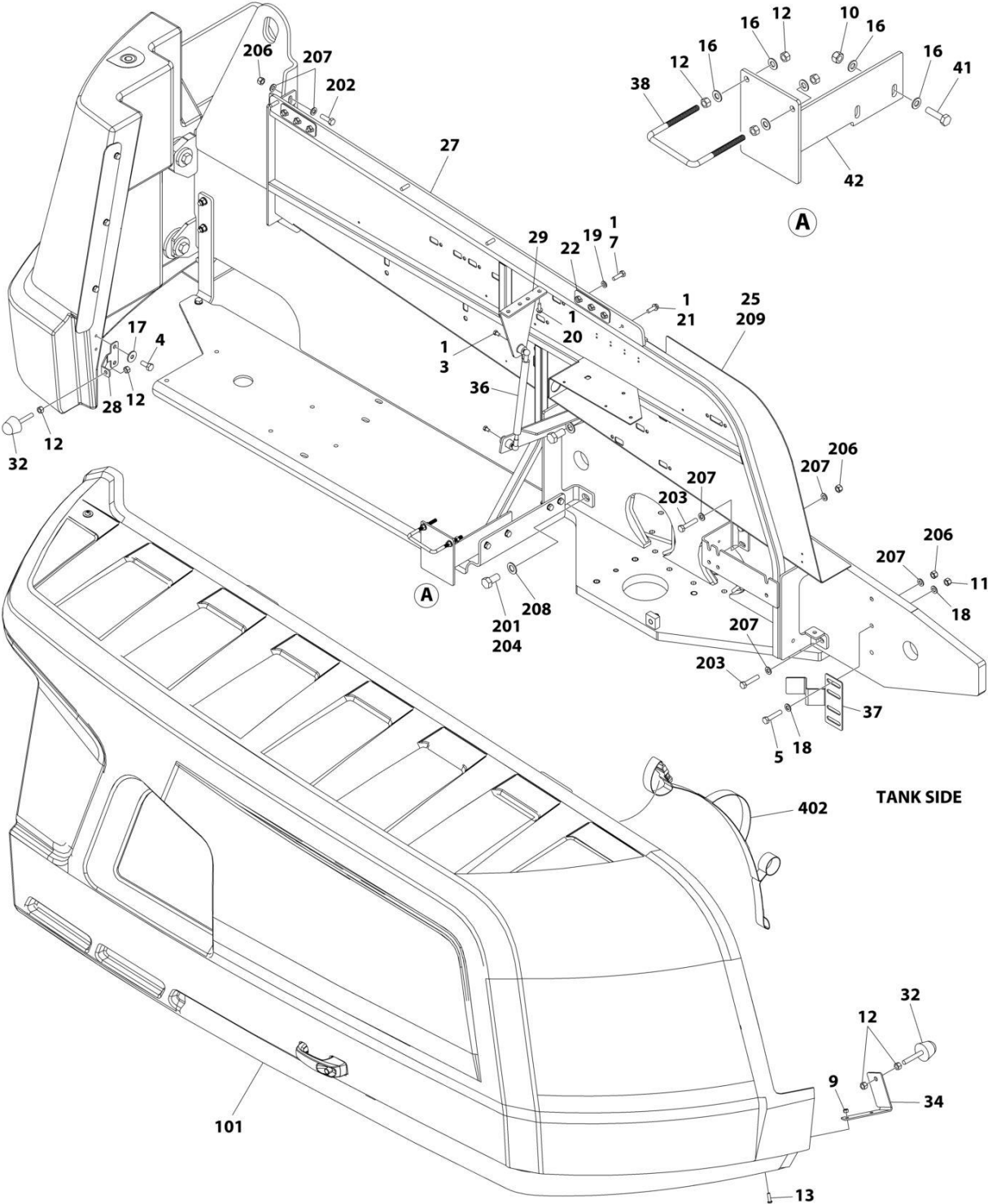
## SECTION 2 - TURNTABLE

**FIGURE 2-24. WHITE NOISE ALARM INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                              | REV |
|------|-------------|-----|--------------------------------------------------------------------------|-----|
|      | 1001247386  | Ref | WHITE NOISE ALARM INSTALLATION                                           | A   |
| 1    | 0641406     | 2   | Bolt 1/4 x 3/4                                                           |     |
| 2    | 0760608     | 2   | Bolt M6 x 16                                                             |     |
| 3    | 3311405     | 2   | Nut 1/4                                                                  |     |
| 4    | 4711400     | 4   | Washer 1/4                                                               |     |
| 5    | 4811700     | 2   | Washer M6                                                                |     |
| 6    | 1001130220  | 2   | Nut, Tinnerman M6                                                        |     |
| 7    | 1001182806  | 1   | Alarm                                                                    |     |
| 8    | 1001231711  | 1   | Bracket                                                                  |     |
| 9    | 1001243682  | 1   | White Noise Alarm Harness (See Separate Breakdown in ELECTRICAL SECTION) |     |

SECTION 2 - TURNTABLE

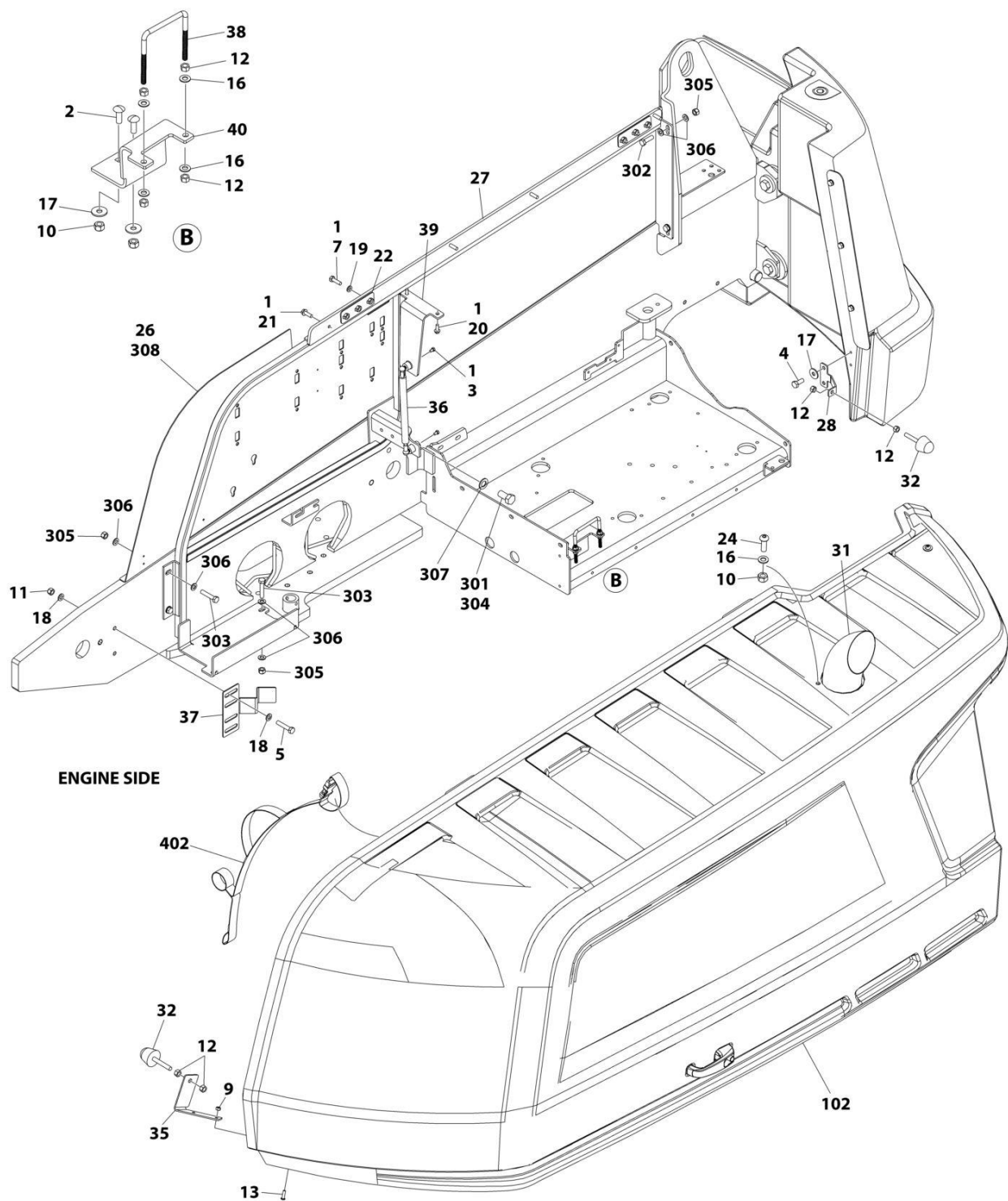
FIGURE 2-25. HOODS INSTALLATIONS - ABS (DEUTZ TD2.2L3 - STAGE V ENGINES)



ART\_1001244902\_D\_10F2



SECTION 2 - TURNTABLE



ART\_1001244902\_D\_2OF2

## SECTION 2 - TURNTABLE

**FIGURE 2-25. HOODS INSTALLATIONS - ABS (DEUTZ TD2.2L3 - STAGE V ENGINES)**

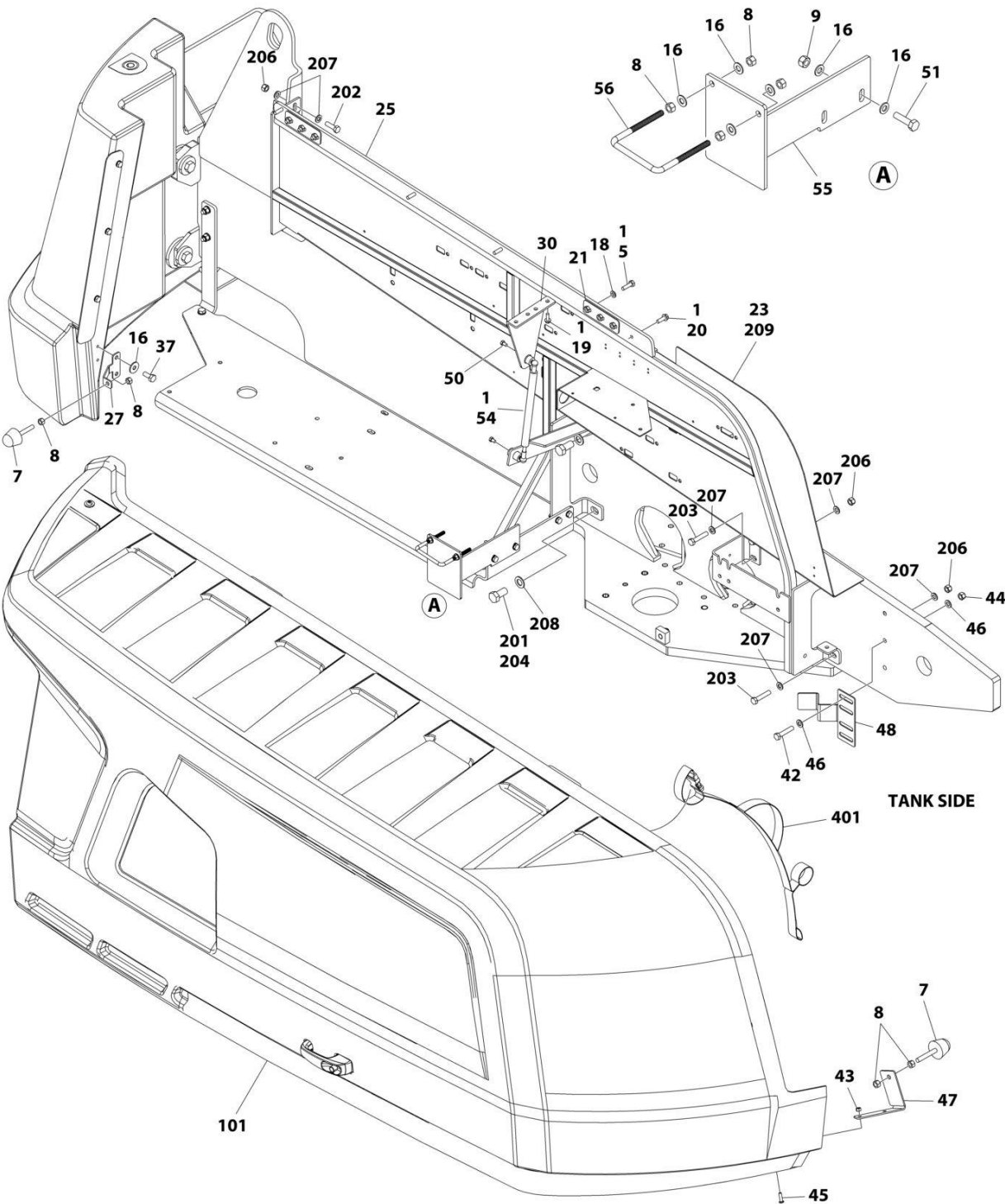
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                          | REV |
|------|-------------|-----|----------------------------------------------------------------------|-----|
|      | 1001244902  | Ref | HOODS INSTALLATIONS                                                  | D   |
| 1    | 0100011     | AR  | Compound, Locking                                                    |     |
| 2    | 0630613     | 2   | Bolt M10 x 30                                                        |     |
| 3    | 0641504     | 4   | Bolt 5/16 x 1/2                                                      |     |
| 4    | 0701012     | 2   | Bolt M10 x 25                                                        |     |
| 5    | 0701220     | 2   | Bolt M12 x 60                                                        |     |
| 7    | 0761015     | 12  | Bolt M10 x 35                                                        |     |
| 9    | 3290605     | 4   | Nut M6                                                               |     |
| 10   | 3291005     | 6   | Nut M10                                                              |     |
| 11   | 3291205     | 2   | Nut M12                                                              |     |
| 12   | 3311601     | 16  | Nut 3/8                                                              |     |
| 13   | 3900364     | 4   | Screw M6 x 20                                                        |     |
| 16   | 4812000     | 14  | Washer M10                                                           |     |
| 17   | 4812002     | 4   | Washer M10                                                           |     |
| 18   | 4812100     | 4   | Washer M12                                                           |     |
| 19   | 5241000     | 12  | Washer M10                                                           |     |
| 20   | 5250812     | 4   | Bolt M8 x 25                                                         |     |
| 21   | 5251014     | 8   | Bolt M10 x 30                                                        |     |
| 22   | 1001169046  | 4   | Nut, Hinge                                                           |     |
| 24   | 1001174673  | 2   | Screw M10 x 30                                                       |     |
| 25   | 1001187950  | 1   | Side-Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)    |     |
| 26   | 1001187951  | 1   | Side-Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)  |     |
| 27   | 1001189067  | 2   | Mount                                                                |     |
| 28   | 1001190338  | 2   | Bracket                                                              |     |
| 29   | 1001192841  | 1   | Bracket                                                              |     |
| 31   | 1001193760  | 1   | Pipe, Exhaust                                                        |     |
| 32   | 1001206314  | 4   | Bumper                                                               |     |
| 34   | 1001213543  | 1   | Bracket                                                              |     |
| 35   | 1001213744  | 1   | Bracket                                                              |     |
| 36   | 1001213794  | 2   | Spring, Gas                                                          |     |
| 37   | 1001231310  | 2   | Bracket                                                              |     |
| 38   | 1001243414  | 2   | Bolt, U-Bolt                                                         |     |
| 39   | 1001243654  | 1   | Bracket                                                              |     |
| 40   | 1001244878  | 1   | Bracket                                                              |     |
| 41   | 0701016     | 2   | Bolt M10 x 40                                                        |     |
| 42   | 1001243171  | 1   | Support                                                              |     |
| 100  | 1001285344  | 1   | Hood Kit (Not Shown)                                                 |     |
| 101  | 1001285343  | 1   | Hood Assembly - Tank Side (See Separate Breakdown in this Section)   |     |
| 102  | 1001195455  | 1   | Hood Assembly - Engine Side (See Separate Breakdown in this Section) |     |
|      | 1001187950  | Ref | SIDE-SHEET ASSEMBLY - TANK SIDE                                      | C   |
| 201  | 0100011     | AR  | Compound, Locking                                                    |     |
| 202  | 0701216     | 2   | Bolt M12 x 40                                                        |     |
| 203  | 0701220     | 4   | Bolt M12 x 60                                                        |     |
| 204  | 0762016     | 2   | Bolt M20 x 40                                                        |     |
| 206  | 3291205     | 6   | Nut M12                                                              |     |
| 207  | 4812100     | 12  | Washer M12                                                           |     |

## SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION                       | REV |
|------|-------------|-----|-----------------------------------|-----|
| 208  | 4812500     | 2   | Washer M20                        | B   |
| 209  | 1001188194  | 1   | Side-Sheet, Tank Side             |     |
|      | 1001187951  | Ref | SIDE-SHEET ASSEMBLY - ENGINE SIDE |     |
| 301  | 0100011     | AR  | Compound, Locking                 |     |
| 302  | 0701216     | 2   | Bolt M12 x 40                     |     |
| 303  | 0701220     | 3   | Bolt M12 x 60                     |     |
| 304  | 0762016     | 1   | Bolt M20 x 40                     |     |
| 305  | 3291205     | 5   | Nut M12                           |     |
| 306  | 4812100     | 10  | Washer M12                        |     |
| 307  | 4812500     | 1   | Washer M20                        |     |
| 308  | 1001188187  | 1   | Side-Sheet, Engine Side           | A   |
|      | 1001270242  | Ref | STRAP INSTALLATION                |     |
| 402  | 1001160505  | 2   | Strap, Hand                       |     |

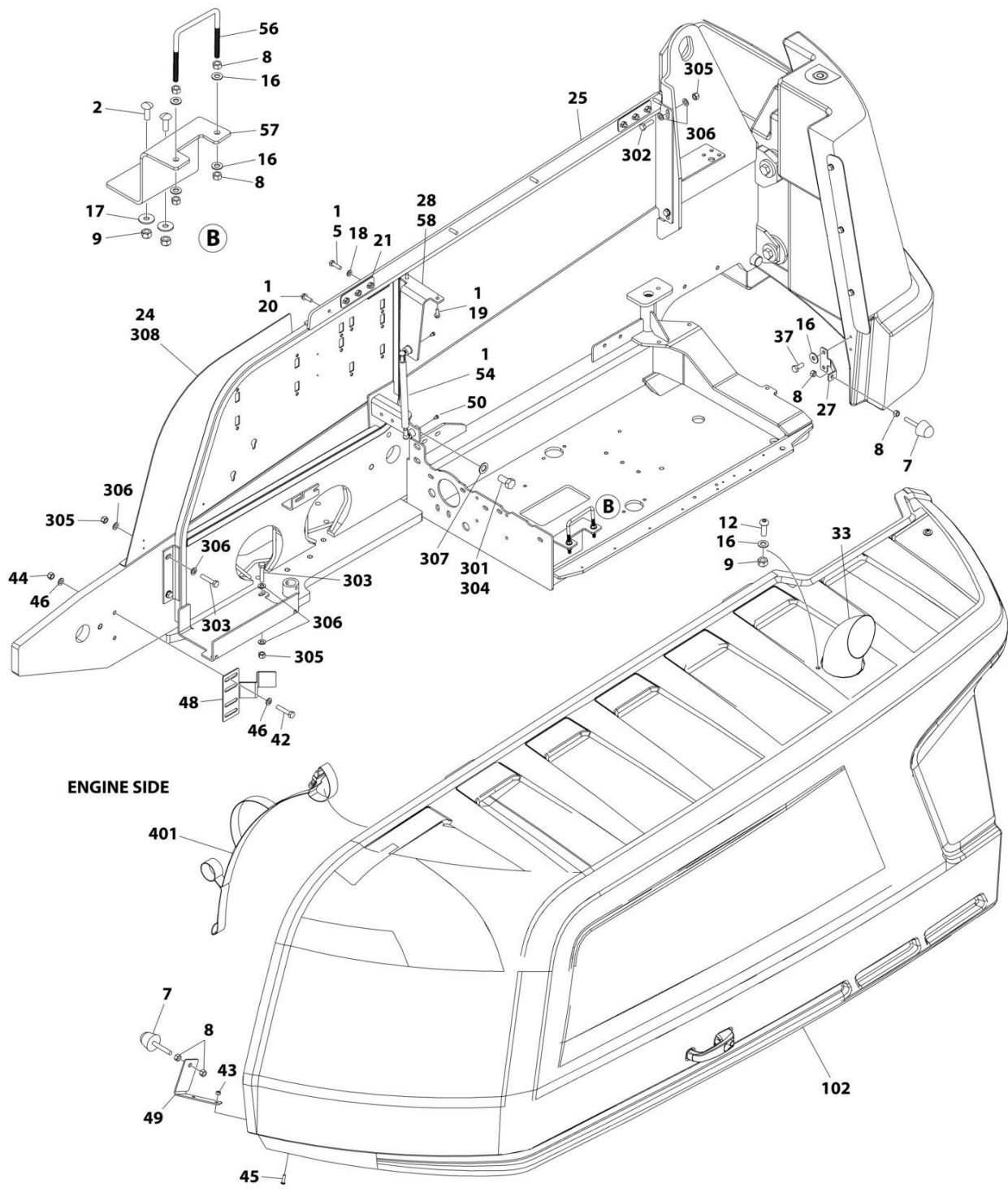
SECTION 2 - TURNTABLE

FIGURE 2-26. HOODS INSTALLATIONS - ABS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)



ART\_1001186186\_I\_1OF2

SECTION 2 - TURNTABLE



ART\_1001186186\_L\_20F2

## SECTION 2 - TURNTABLE

**FIGURE 2-26. HOODS INSTALLATIONS - ABS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)**

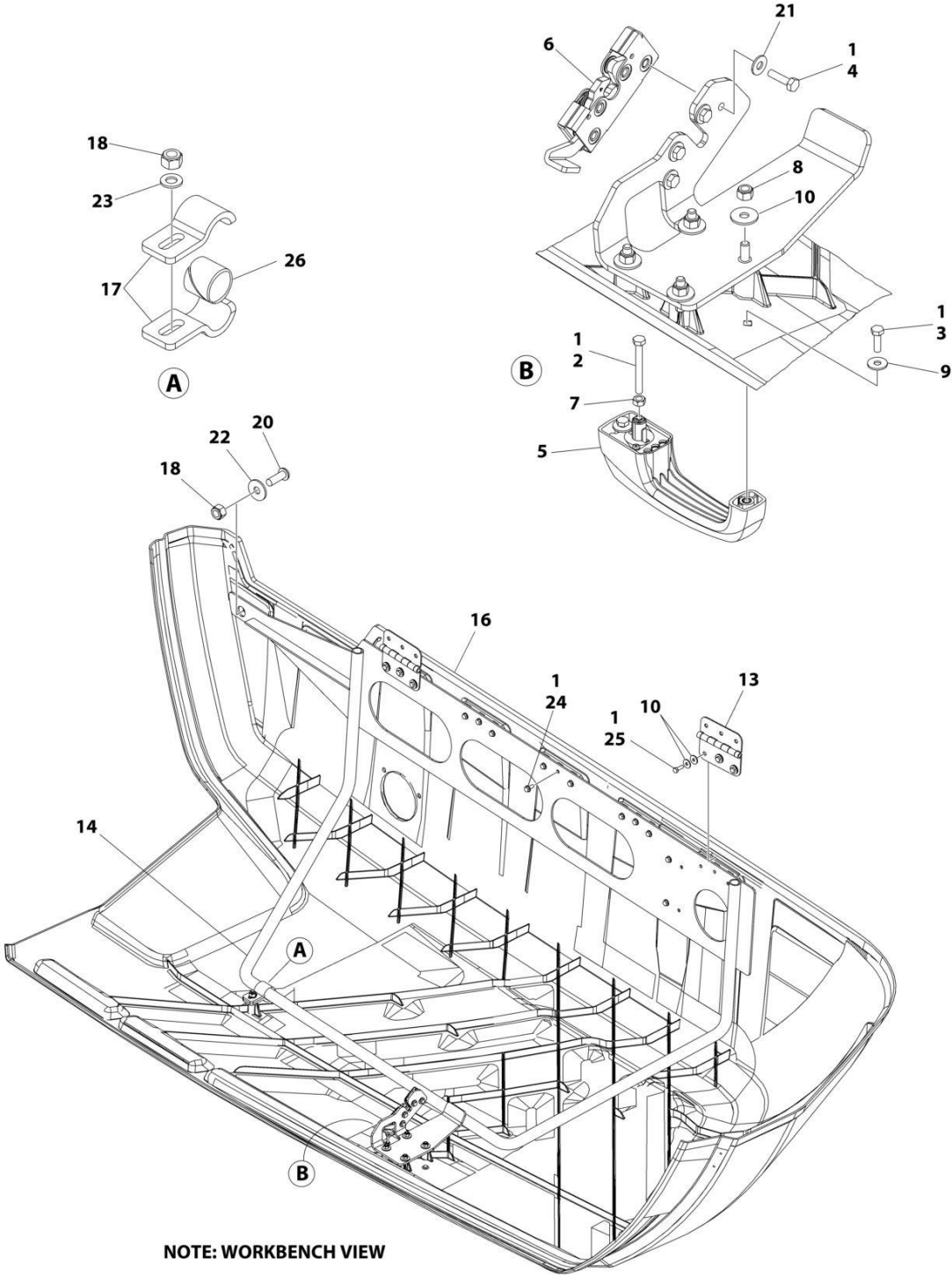
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                          | REV |
|------|-------------|-----|----------------------------------------------------------------------|-----|
|      | 1001186186  | Ref | HOODS INSTALLATIONS                                                  | I   |
| 1    | 0100011     | AR  | Compound, Locking                                                    |     |
| 2    | 0630613     | 2   | Bolt M10 x 30                                                        |     |
| 5    | 0761015     | 12  | Bolt M10 x 35                                                        |     |
| 7    | 1001206314  | 4   | Bumper                                                               |     |
| 8    | 3311601     | 16  | Nut 3/8                                                              |     |
| 9    | 3291005     | 6   | Nut M10                                                              |     |
| 12   | 1001174673  | 2   | Screw M10 x 30                                                       |     |
| 16   | 4812000     | 14  | Washer M10                                                           |     |
| 17   | 4812002     | 4   | Washer M10                                                           |     |
| 18   | 5241000     | 12  | Washer M10                                                           |     |
| 19   | 5250812     | 4   | Bolt M8 x 25                                                         |     |
| 20   | 5251014     | 8   | Bolt M10 x 30                                                        |     |
| 21   | 1001169046  | 4   | Nut, Hinge                                                           |     |
| 23   | 1001187950  | 1   | Side-Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)    |     |
| 24   | 1001187951  | 1   | Side-Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)  |     |
| 25   | 1001189067  | 2   | Mount                                                                |     |
| 27   | 1001190338  | 2   | Bracket                                                              |     |
| 30   | 1001192841  | 1   | Bracket                                                              |     |
| 33   | 1001193760  | 1   | Pipe, Exhaust                                                        |     |
| 37   | 0701012     | 2   | Bolt M10 x 25                                                        |     |
| 42   | 0701220     | 2   | Bolt M12 x 60                                                        |     |
| 43   | 3290605     | 4   | Nut M6                                                               |     |
| 44   | 3291205     | 2   | Nut M12                                                              |     |
| 45   | 3900364     | 4   | Screw M6 x 20                                                        |     |
| 46   | 4812100     | 4   | Washer M12                                                           |     |
| 47   | 1001213543  | 1   | Bracket                                                              |     |
| 48   | 1001231310  | 2   | Bracket                                                              |     |
| 49   | 1001213744  | 1   | Bracket                                                              |     |
| 50   | 0641504     | 4   | Bolt 5/16 x 1/2                                                      |     |
| 51   | 0701016     | 2   | Bolt M10 x 40                                                        |     |
| 54   | 1001213794  | 2   | Spring, Gas                                                          |     |
| 55   | 1001243171  | 1   | Support                                                              |     |
| 56   | 1001243414  | 2   | U-Bolt 3/8                                                           |     |
| 57   | 1001243522  | 1   | Bracket                                                              |     |
| 58   | 1001243654  | 1   | Bracket                                                              |     |
| 100  | 1001285344  | 1   | Hood Kit (Not Shown)                                                 |     |
| 101  | 1001285343  | 1   | Hood Assembly - Tank Side (See Separate Breakdown in this Section)   |     |
| 102  | 1001195455  | 1   | Hood Assembly - Engine Side (See Separate Breakdown in this Section) |     |
|      | 1001187950  | Ref | SIDE-SHEET ASSEMBLY - TANK SIDE                                      | C   |
| 201  | 0100011     | AR  | Compound, Locking                                                    |     |
| 202  | 0701216     | 2   | Bolt M12 x 40                                                        |     |
| 203  | 0701220     | 4   | Bolt M12 x 60                                                        |     |
| 204  | 0762016     | 2   | Bolt M20 x 40                                                        |     |
| 206  | 3291205     | 6   | Nut M12                                                              |     |
| 207  | 4812100     | 12  | Washer M12                                                           |     |

## SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION                       | REV |
|------|-------------|-----|-----------------------------------|-----|
| 208  | 4812500     | 2   | Washer M20                        | B   |
| 209  | 1001188194  | 1   | Side-Sheet, Tank Side             |     |
|      | 1001187951  | Ref | SIDE-SHEET ASSEMBLY - ENGINE SIDE |     |
| 301  | 0100011     | AR  | Compound, Locking                 |     |
| 302  | 0701216     | 2   | Bolt M12 x 40                     |     |
| 303  | 0701220     | 3   | Bolt M12 x 60                     |     |
| 304  | 0762016     | 1   | Bolt M20 x 40                     |     |
| 305  | 3291205     | 5   | Nut M12                           |     |
| 306  | 4812100     | 10  | Washer M12                        |     |
| 307  | 4812500     | 1   | Washer M20                        |     |
| 308  | 1001188187  | 1   | Side-Sheet, Engine Side           | A   |
|      | 1001253940  | Ref | STRAP INSTALLATION                |     |
| 401  | 1001160505  | 2   | Strap, Hand                       |     |

SECTION 2 - TURNTABLE

FIGURE 2-27. HOOD ASSEMBLY - ENGINE SIDE (ABS)



ART\_1001195455



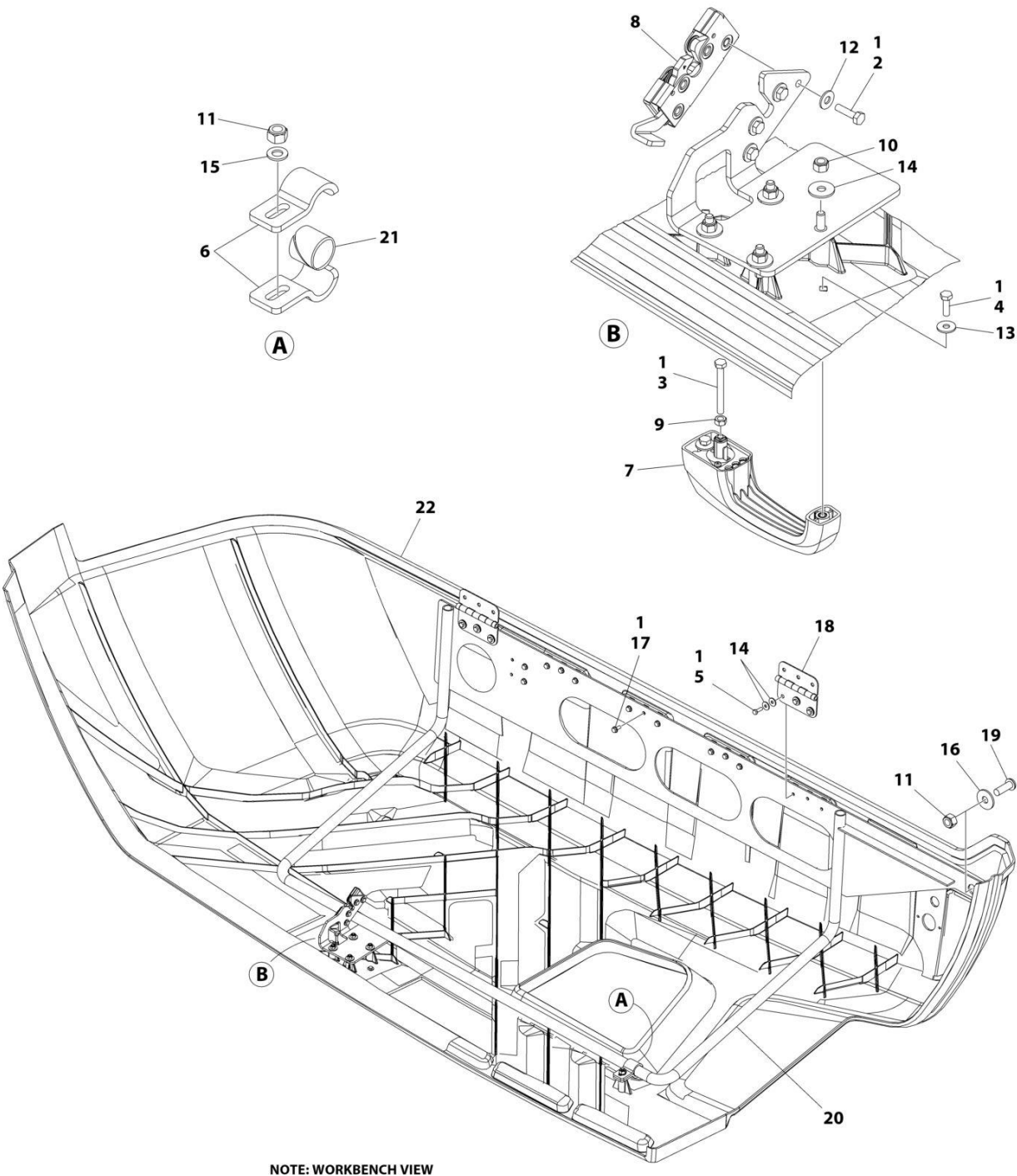
## SECTION 2 - TURNTABLE

**FIGURE 2-27. HOOD ASSEMBLY - ENGINE SIDE (ABS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION         | REV |
|------|-------------|-----|---------------------|-----|
|      | 1001195455  | Ref | HOOD ASSEMBLY       | H   |
| 1    | 0100011     | AR  | Compound, Locking   |     |
| 2    | 0700619     | 1   | Bolt M6 x 55        |     |
| 3    | 0760610     | 2   | Bolt M6 x 20        |     |
| 4    | 0641408     | 4   | Bolt 1/4 x 1        |     |
| 5    | 2560187     | 1   | Handle, Push Button |     |
| 6    | 2940173     | 1   | Latch, Rotary       |     |
| 7    | 3290601     | 1   | Nut M6              |     |
| 8    | 3290805     | 4   | Nut M8              |     |
| 9    | 4811702     | 2   | Washer M6           |     |
| 10   | 4811902     | 16  | Washer M8           |     |
| 13   | 1001139384  | 2   | Hinge               |     |
| 14   | 1001204251  | 1   | Support             |     |
| 16   | 1001193169  | 1   | Hood                |     |
| 17   | 1321384     | 2   | Clamp               |     |
| 18   | 3291005     | 2   | Nut M10             |     |
| 20   | 1001174673  | 1   | Screw M10 x 30      |     |
| 21   | 4751400     | 4   | Washer 1/4          |     |
| 22   | 4812002     | 1   | Washer M10          |     |
| 23   | 4812000     | 1   | Washer M10          |     |
| 24   | 5250810     | 11  | Bolt M8 x 20        |     |
| 25   | 0760812     | 6   | Bolt M8 x 25        |     |
| 26   | 1001227367  | 1   | Bearing             |     |

SECTION 2 - TURNTABLE

FIGURE 2-28. HOOD ASSEMBLY - TANK SIDE (ABS)



ART\_1001285343

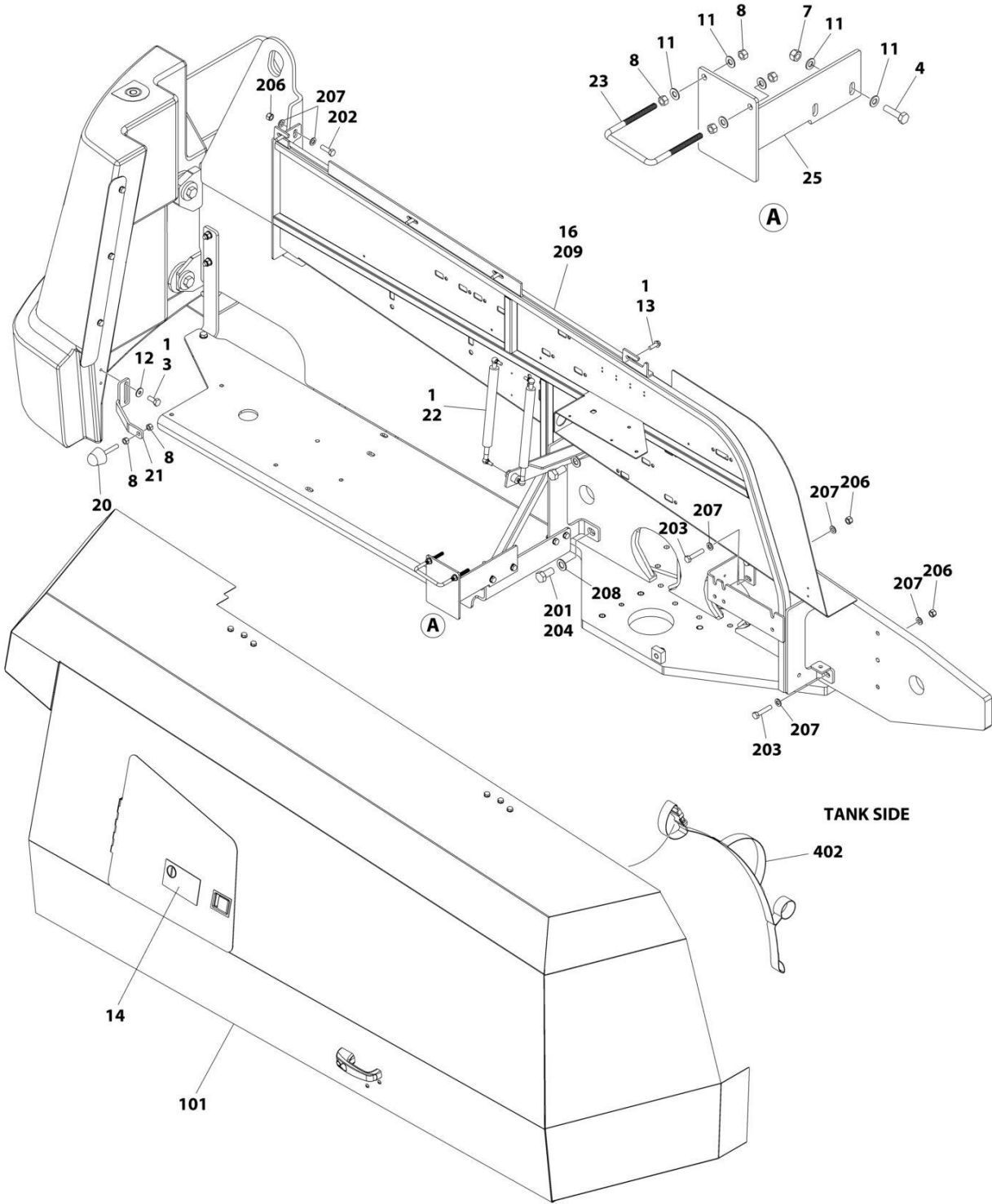
## SECTION 2 - TURNTABLE

**FIGURE 2-28. HOOD ASSEMBLY - TANK SIDE (ABS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION         | REV |
|------|-------------|-----|---------------------|-----|
|      | 1001285343  | Ref | HOOD ASSEMBLY       | A   |
| 1    | 0100011     | AR  | Compound, Locking   |     |
| 2    | 0641408     | 4   | Bolt 1/4 x 1        |     |
| 3    | 0700619     | 1   | Bolt M6 x 55        |     |
| 4    | 0760610     | 2   | Bolt M6 x 20        |     |
| 5    | 0760812     | 6   | Bolt M8 x 25        |     |
| 6    | 1321384     | 2   | Clamp               |     |
| 7    | 2560187     | 1   | Handle, Push Button |     |
| 8    | 2940173     | 1   | Latch, Rotary       |     |
| 9    | 3290601     | 1   | Nut M6              |     |
| 10   | 3290805     | 4   | Nut M8              |     |
| 11   | 3291005     | 2   | Nut M10             |     |
| 12   | 4751400     | 4   | Washer 1/4          |     |
| 13   | 4811702     | 2   | Washer M6           |     |
| 14   | 4811902     | 16  | Washer M8           |     |
| 15   | 4812000     | 1   | Washer M10          |     |
| 16   | 4812002     | 1   | Washer M10          |     |
| 17   | 5250810     | 11  | Bolt M8 x 20        |     |
| 18   | 1001139384  | 2   | Hinge               |     |
| 19   | 1001174673  | 1   | Screw M10 x 30      |     |
| 20   | 1001204303  | 1   | Support             |     |
| 21   | 1001227367  | 1   | Bearing             |     |
| 22   | 1001285342  | 1   | Hood                |     |

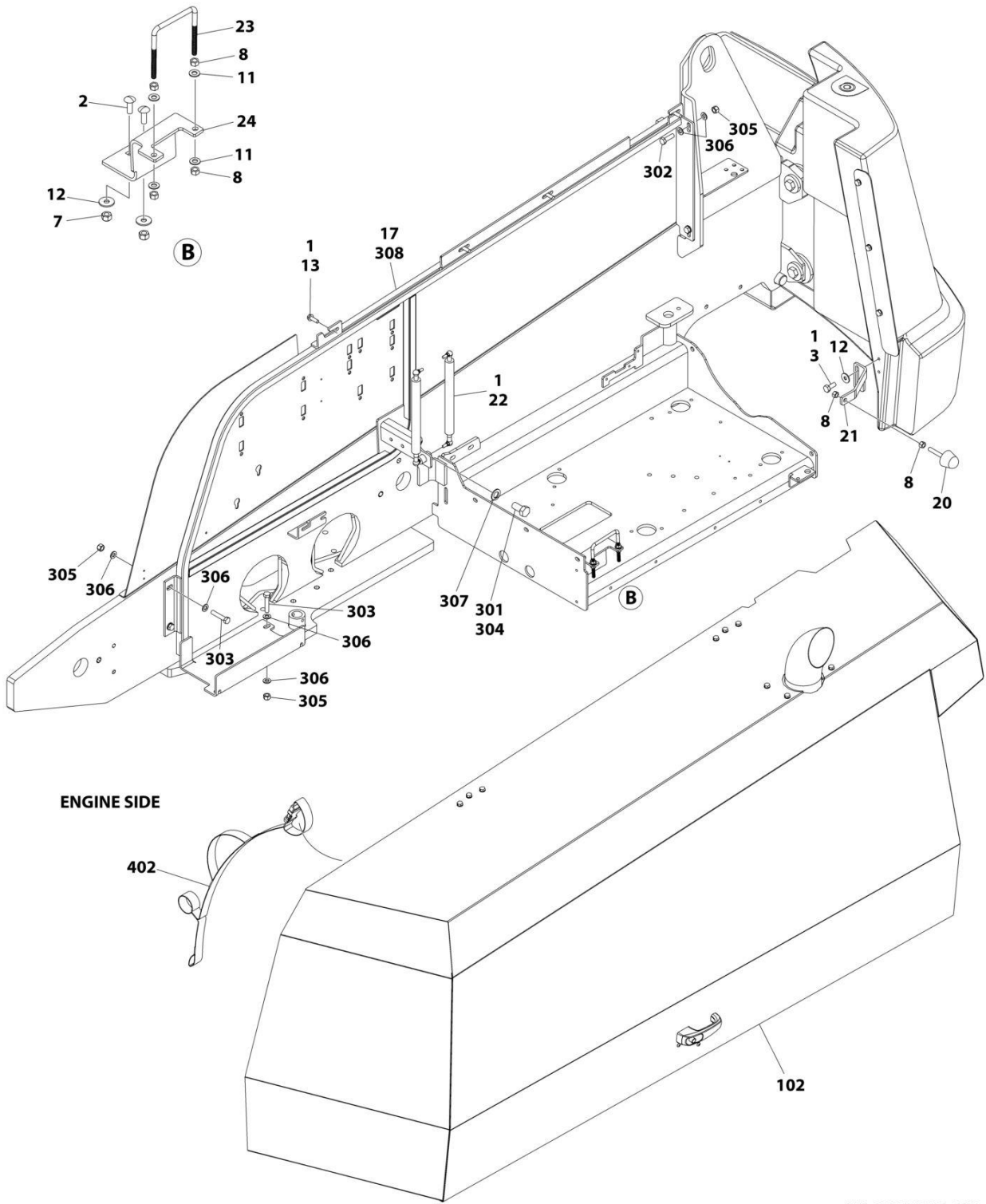
SECTION 2 - TURNTABLE

FIGURE 2-29. HOODS INSTALLATIONS - STEEL (DEUTZ TD2.2L3 - STAGE V ENGINES)



ART\_1001245076\_D\_10F2

SECTION 2 - TURNTABLE



ART\_1001245076\_D\_20F2

## SECTION 2 - TURNTABLE

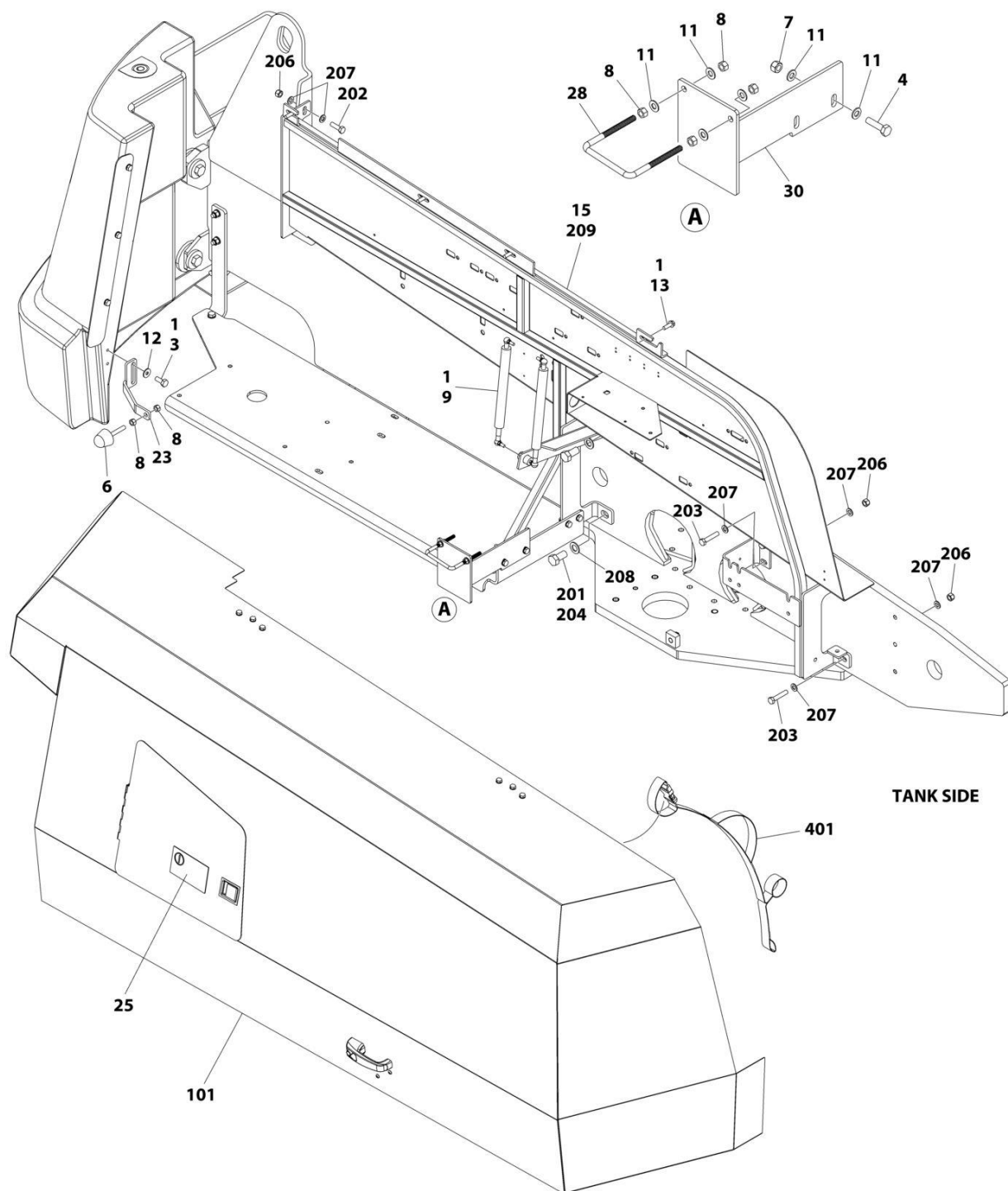
**FIGURE 2-29. HOODS INSTALLATIONS - STEEL (DEUTZ TD2.2L3 - STAGE V ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                          | REV |
|------|-------------|-----|----------------------------------------------------------------------|-----|
|      | 1001245076  | Ref | HOODS INSTALLATIONS                                                  | D   |
| 1    | 0100011     | AR  | Compound, Locking                                                    |     |
| 2    | 0630613     | 2   | Bolt M10 x 30                                                        |     |
| 3    | 0701012     | 2   | Bolt M10 x 25                                                        |     |
| 4    | 0701016     | 2   | Bolt M10 x 40                                                        |     |
| 7    | 3291005     | 4   | Nut M10                                                              |     |
| 8    | 3311601     | 12  | Nut 3/8                                                              |     |
| 11   | 4812000     | 12  | Washer M10                                                           |     |
| 12   | 4812002     | 4   | Washer M10                                                           |     |
| 13   | 5251014     | 8   | Bolt M10 x 30                                                        |     |
| 14   | 1001117307  | 1   | Decal - Emergency Stop                                               |     |
| 16   | 1001187950  | 1   | Side Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)    |     |
| 17   | 1001187951  | 1   | Side Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)  |     |
| 20   | 1001206314  | 2   | Bumper                                                               |     |
| 21   | 1001212333  | 2   | Bracket                                                              |     |
| 22   | 1001219138  | 4   | Spring, Gas                                                          |     |
| 23   | 1001243414  | 2   | Bolt, U-Bolt                                                         |     |
| 24   | 1001244878  | 1   | Bracket                                                              |     |
| 25   | 1001243171  | 1   | Support                                                              |     |
| 100  | 1001285146  | 1   | Hood Kit (Not Shown)                                                 |     |
| 101  | 1001285145  | 1   | Hood Assembly - Tank Side (See Separate Breakdown in this Section)   |     |
| 102  | 1001211774  | 1   | Hood Assembly - Engine Side (See Separate Breakdown in this Section) |     |
|      | 1001187950  | Ref | SIDE-SHEET ASSEMBLY - TANK SIDE                                      | C   |
| 201  | 0100011     | AR  | Compound, Locking                                                    |     |
| 202  | 0701216     | 2   | Bolt M12 x 40                                                        |     |
| 203  | 0701220     | 4   | Bolt M12 x 60                                                        |     |
| 204  | 0762016     | 2   | Bolt M20 x 40                                                        |     |
| 206  | 3291205     | 6   | Nut M12                                                              |     |
| 207  | 4812100     | 12  | Washer M12                                                           |     |
| 208  | 4812500     | 2   | Washer M20                                                           |     |
| 209  | 1001188194  | 1   | Side-Sheet, Tank Side                                                |     |
|      | 1001187951  | Ref | SIDE-SHEET ASSEMBLY - ENGINE SIDE                                    | B   |
| 301  | 0100011     | AR  | Compound, Locking                                                    |     |
| 302  | 0701216     | 2   | Bolt M12 x 40                                                        |     |
| 303  | 0701220     | 3   | Bolt M12 x 60                                                        |     |
| 304  | 0762016     | 1   | Bolt M20 x 40                                                        |     |
| 305  | 3291205     | 5   | Nut M12                                                              |     |
| 306  | 4812100     | 10  | Washer M12                                                           |     |
| 307  | 4812500     | 1   | Washer M20                                                           |     |
| 308  | 1001188187  | 1   | Side-Sheet, Engine Side                                              |     |
|      | 1001270243  | Ref | STRAP INSTALLATION                                                   | B   |
| 402  | 1001160505  | 2   | Strap, Hand                                                          |     |



## SECTION 2 - TURNTABLE

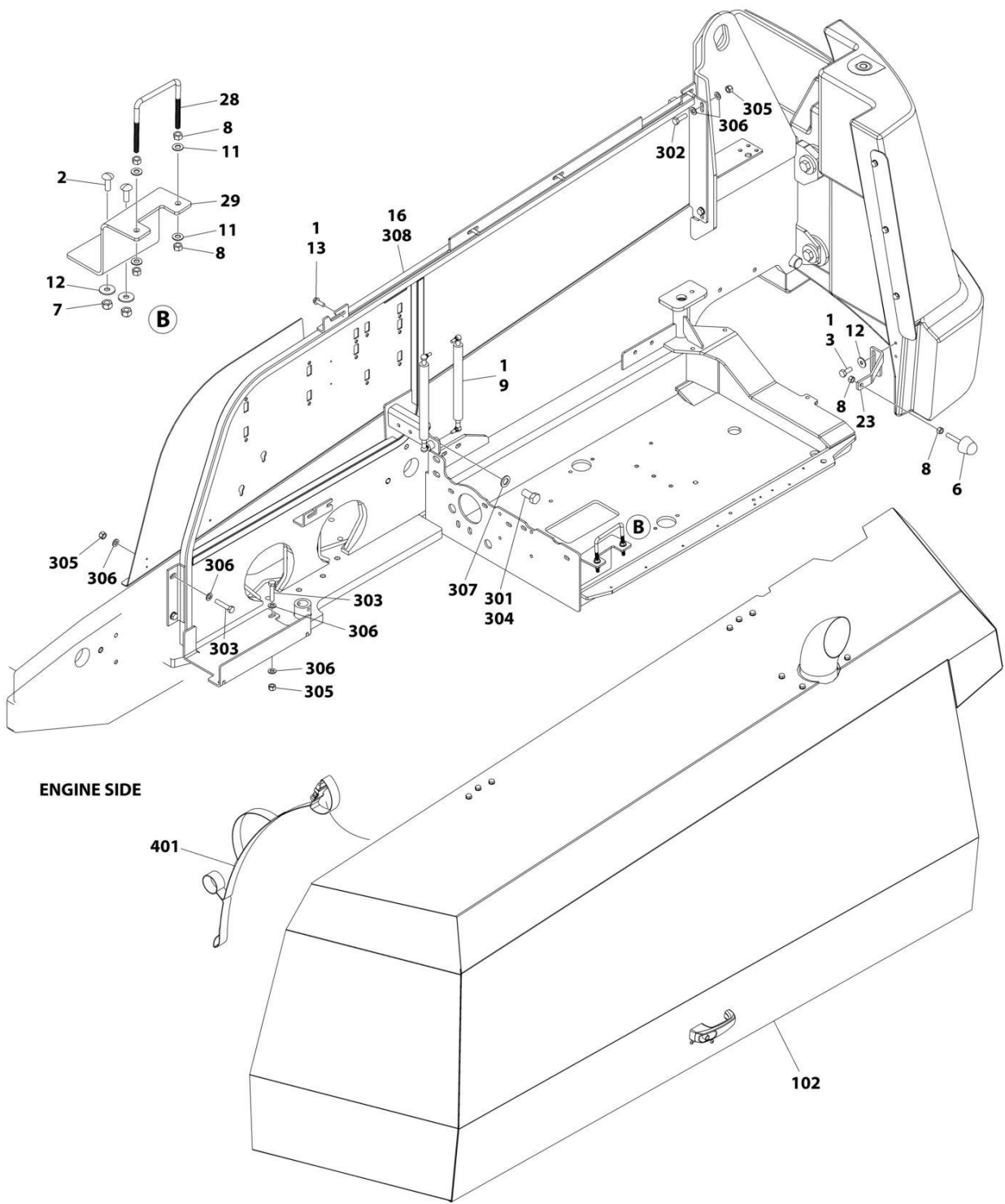
**FIGURE 2-30. HOODS INSTALLATIONS - STEEL (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)**



ART\_1001184327\_M\_1OF2



SECTION 2 - TURNTABLE



ART\_1001184327\_M\_20F2

## SECTION 2 - TURNTABLE

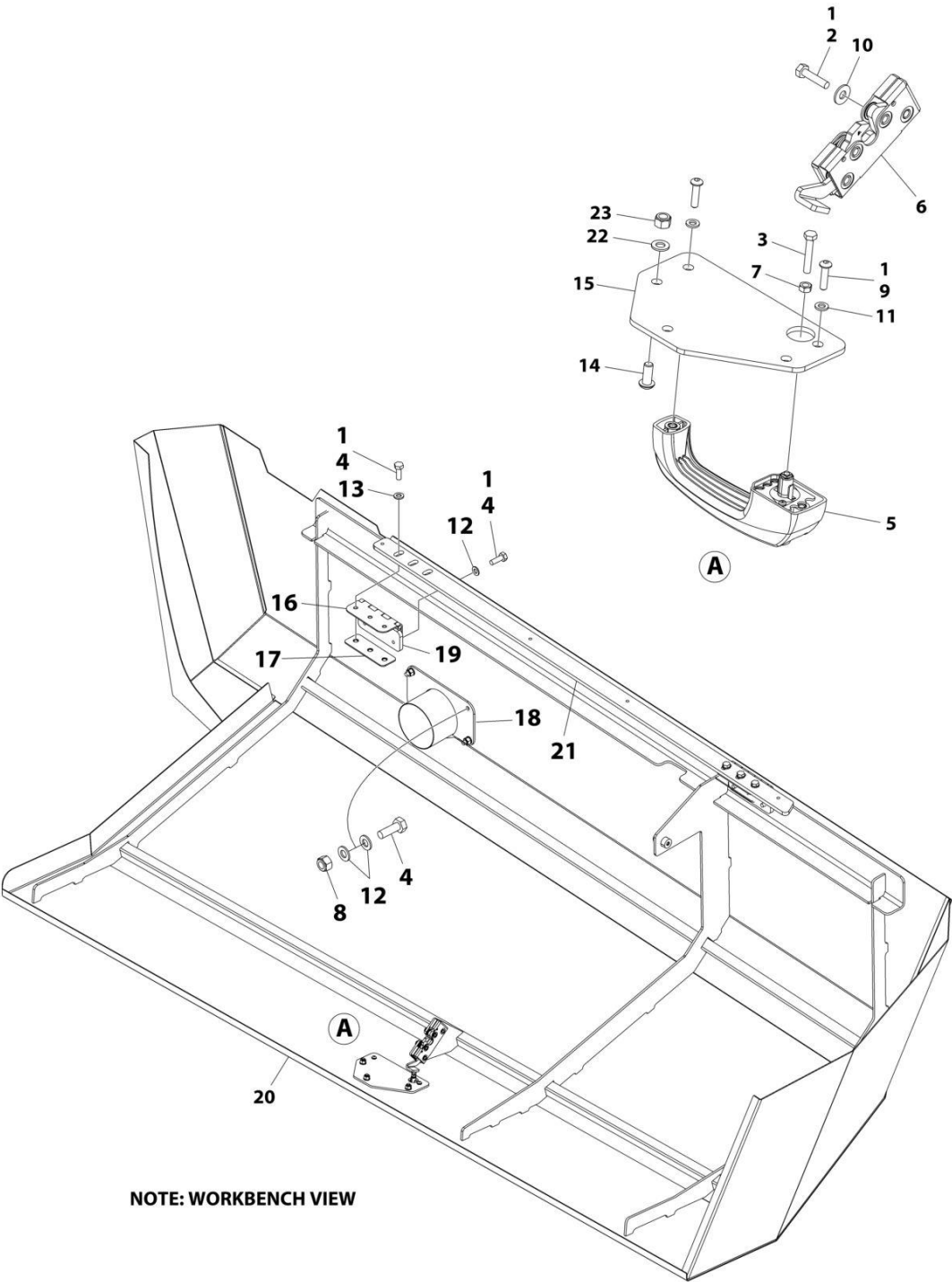
**FIGURE 2-30. HOODS INSTALLATIONS - STEEL (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                          | REV |
|------|-------------|-----|----------------------------------------------------------------------|-----|
|      | 1001184327  | Ref | HOODS INSTALLATIONS                                                  | M   |
| 1    | 0100011     | AR  | Compound, Locking                                                    |     |
| 2    | 0630613     | 2   | Bolt M10 x 30                                                        |     |
| 3    | 0701012     | 2   | Bolt M10 x 25                                                        |     |
| 4    | 0701016     | 2   | Bolt M10 x 40                                                        |     |
| 6    | 1001206314  | 2   | Bumper                                                               |     |
| 7    | 3291005     | 4   | Nut M10                                                              |     |
| 8    | 3311601     | 12  | Nut 3/8                                                              |     |
| 9    | 1001219138  | 4   | Spring, Gas                                                          |     |
| 11   | 4812000     | 12  | Washer M10                                                           |     |
| 12   | 4812002     | 4   | Washer M10                                                           |     |
| 13   | 5251014     | 8   | Bolt M10 x 30                                                        |     |
| 15   | 1001187950  | 1   | Side-Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)    |     |
| 16   | 1001187951  | 1   | Side-Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)  |     |
| 23   | 1001212333  | 2   | Bracket                                                              |     |
| 25   | 1001117307  | 1   | Decal - Emergency Stop                                               |     |
| 28   | 1001243414  | 2   | U-Bolt 3/8                                                           |     |
| 29   | 1001243522  | 1   | Bracket                                                              |     |
| 30   | 1001243171  | 1   | Support                                                              |     |
| 100  | 1001285146  | 1   | Hood Kit (Not Shown)                                                 |     |
| 101  | 1001285145  | 1   | Hood Assembly - Tank Side (See Separate Breakdown in this Section)   |     |
| 102  | 1001211774  | 1   | Hood Assembly - Engine Side (See Separate Breakdown in this Section) |     |
|      | 1001187950  | Ref | SIDE-SHEET ASSEMBLY - TANK SIDE                                      | C   |
| 201  | 0100011     | AR  | Compound, Locking                                                    |     |
| 202  | 0701216     | 2   | Bolt M12 x 40                                                        |     |
| 203  | 0701220     | 4   | Bolt M12 x 60                                                        |     |
| 204  | 0762016     | 2   | Bolt M20 x 40                                                        |     |
| 206  | 3291205     | 6   | Nut M12                                                              |     |
| 207  | 4812100     | 12  | Washer M12                                                           |     |
| 208  | 4812500     | 2   | Washer M20                                                           |     |
| 209  | 1001188194  | 1   | Side-Sheet, Tank Side                                                |     |
|      | 1001187951  | Ref | SIDE-SHEET ASSEMBLY - ENGINE SIDE                                    | B   |
| 301  | 0100011     | AR  | Compound, Locking                                                    |     |
| 302  | 0701216     | 2   | Bolt M12 x 40                                                        |     |
| 303  | 0701220     | 3   | Bolt M12 x 60                                                        |     |
| 304  | 0762016     | 1   | Bolt M20 x 40                                                        |     |
| 305  | 3291205     | 5   | Nut M12                                                              |     |
| 306  | 4812100     | 10  | Washer M12                                                           |     |
| 307  | 4812500     | 1   | Washer M20                                                           |     |
| 308  | 1001188187  | 1   | Side-Sheet, Engine Side                                              |     |
|      | 1001253953  | Ref | STRAP INSTALLATION                                                   | B   |
| 401  | 1001160505  | 2   | Strap, Hand                                                          |     |



SECTION 2 - TURNTABLE

FIGURE 2-31. HOOD ASSEMBLY - ENGINE SIDE (STEEL)



ART\_1001211774

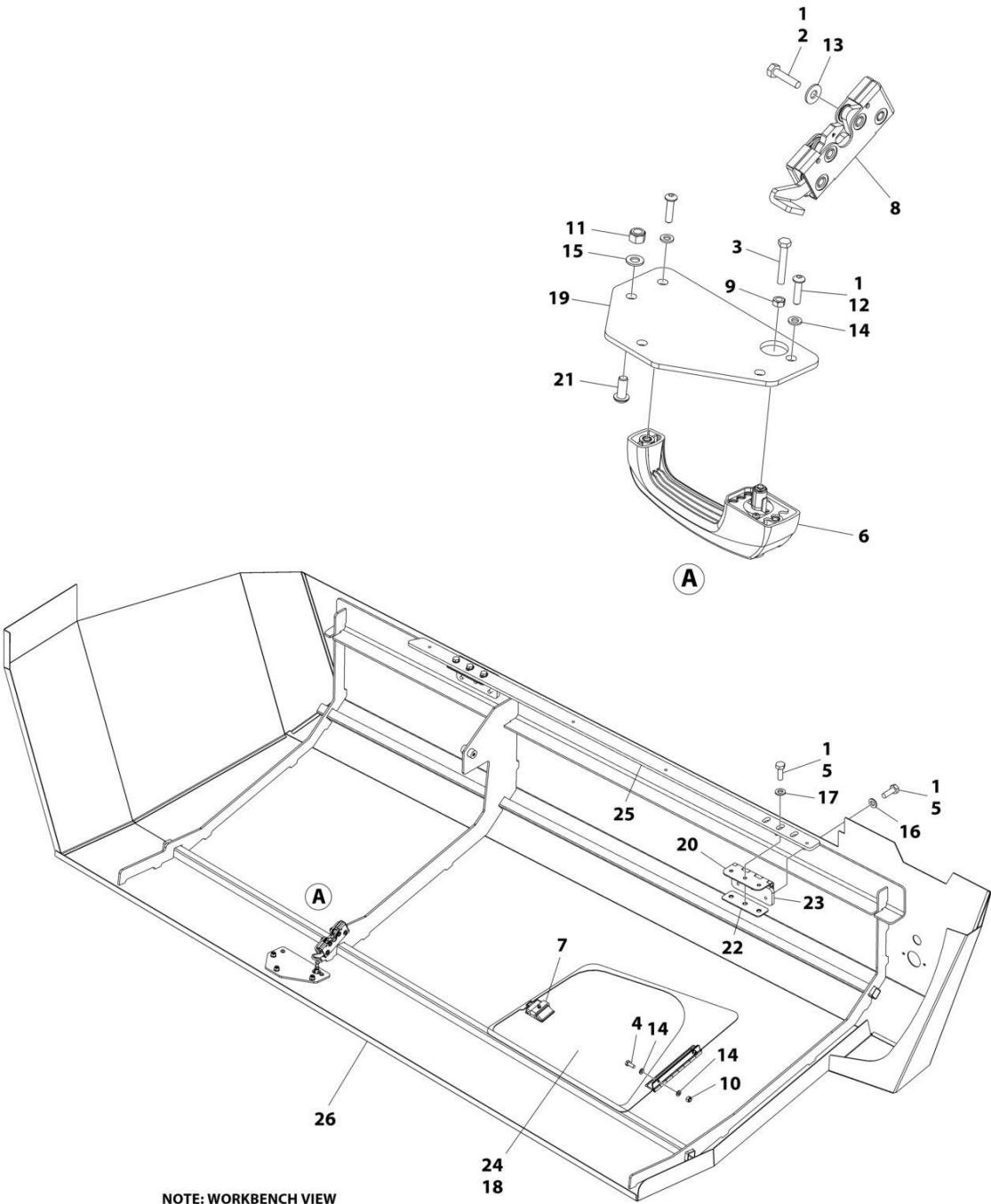
## SECTION 2 - TURNTABLE

**FIGURE 2-31. HOOD ASSEMBLY - ENGINE SIDE (STEEL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION          | REV |
|------|-------------|-----|----------------------|-----|
|      | 1001211774  | Ref | HOOD ASSEMBLY        | J   |
| 1    | 0100011     | AR  | Compound, Locking    |     |
| 2    | 0641409     | 4   | Bolt 1/4 x 1-1/8     |     |
| 3    | 0700615     | 1   | Bolt M6 x 35         |     |
| 4    | 0761014     | 16  | Bolt M10 x 30        |     |
| 5    | 2560187     | 1   | Handle , Push Button |     |
| 6    | 2940173     | 1   | Latch, Rotary        |     |
| 7    | 3290601     | 1   | Nut M6               |     |
| 8    | 3291005     | 4   | Nut M10              |     |
| 9    | 3900363     | 2   | Screw M6 x 25        |     |
| 10   | 4751400     | 4   | Washer 1/4           |     |
| 11   | 4811700     | 2   | Washer M6            |     |
| 12   | 4812000     | 14  | Washer M10           |     |
| 13   | 5241000     | 6   | Washer M10           |     |
| 14   | 1001164726  | 3   | Screw M8 x 20        |     |
| 15   | 1001116290  | 1   | Plate                |     |
| 16   | 1001139384  | 2   | Hinge                |     |
| 17   | 1001169046  | 2   | Nut, Hinge           |     |
| 18   | 1001194888  | 1   | Pipe, Exhaust        |     |
| 19   | 1001202333  | 2   | Plate, Nut           |     |
| 20   | 1001211767  | 1   | Hood                 |     |
| 21   | 1001211773  | 1   | Plate                |     |
| 22   | 4811900     | 3   | Washer M8            |     |
| 23   | 3290805     | 3   | Nut M8               |     |

SECTION 2 - TURNTABLE

FIGURE 2-32. HOOD ASSEMBLY - TANK SIDE (STEEL)



ART\_1001285145

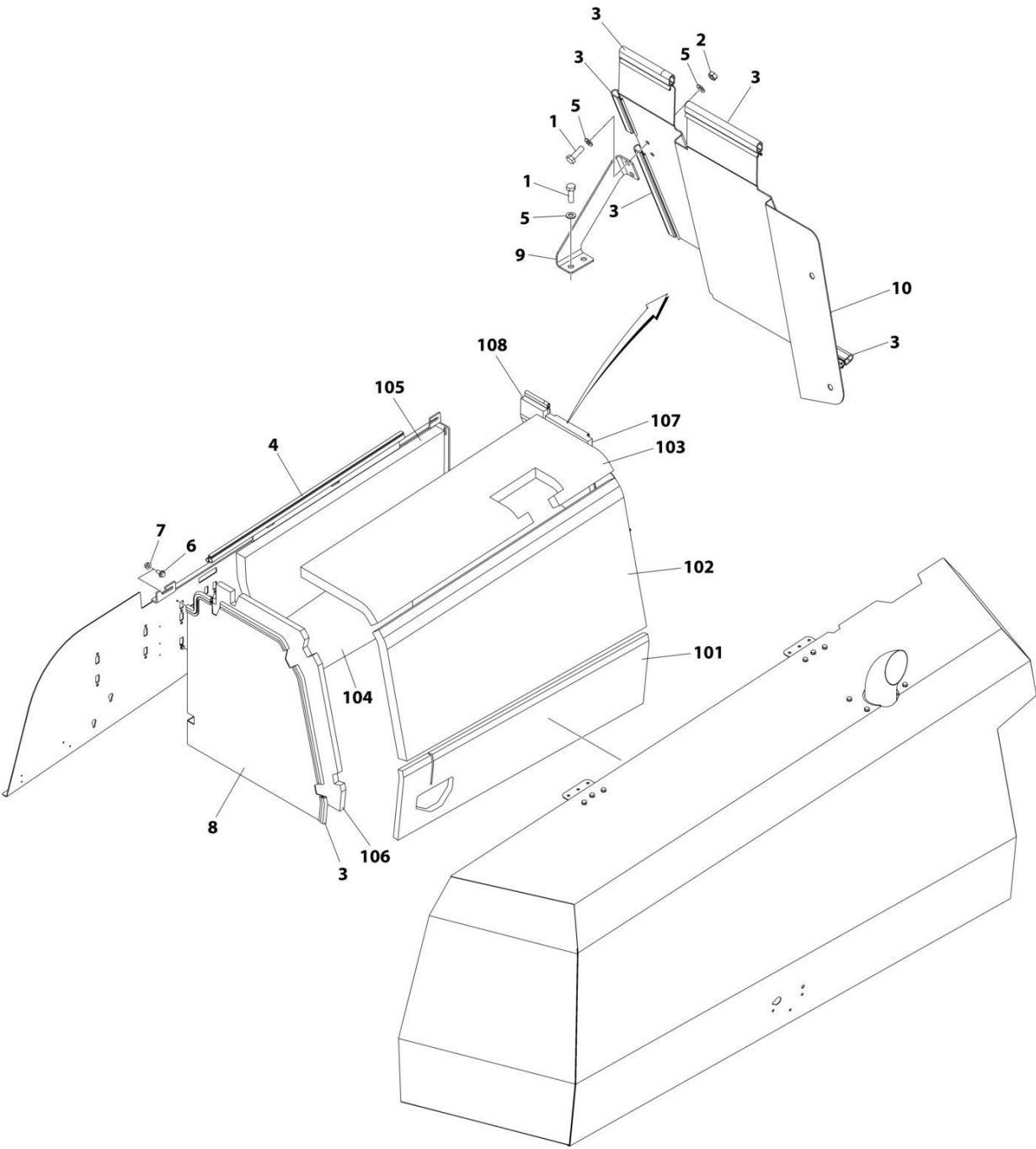
## SECTION 2 - TURNTABLE

**FIGURE 2-32. HOOD ASSEMBLY - TANK SIDE (STEEL)**

| ITEM | PART NUMBER | QTY        | DESCRIPTION         | REV |
|------|-------------|------------|---------------------|-----|
|      | 1001285145  | Ref        | HOOD ASSEMBLY       | A   |
| 1    | 0100011     | AR         | Compound, Locking   |     |
| 2    | 0641409     | 4          | Bolt 1/4 x 1-1/8    |     |
| 3    | 0700616     | 1          | Bolt M6 x 40        |     |
| 4    | 0760608     | 2          | Bolt M6 x 16        |     |
| 5    | 0761014     | 12         | Bolt M10 x 30       |     |
| 6    | 2560187     | 1          | Handle, Push Button |     |
| 7    | 2940045     | 1          | Latch, Paddle       |     |
| 8    | 2940173     | 1          | Latch, Rotary       |     |
| 9    | 3290601     | 1          | Nut M6              |     |
| 10   | 3290605     | 2          | Nut M6              |     |
| 11   | 3290805     | 3          | Nut M8              |     |
| 12   | 3900363     | 2          | Screw M6 x 25       |     |
| 13   | 4751400     | 4          | Washer 1/4          |     |
| 14   | 4811700     | 6          | Washer M6           |     |
| 15   | 4811900     | 3          | Washer M8           |     |
| 16   | 4812000     | 6          | Washer M10          |     |
| 17   | 5241000     | 6          | Washer M10          |     |
| 18   | 1001113047  | 78 in /2 m | Seal                |     |
| 19   | 1001116290  | 1          | Plate               |     |
| 20   | 1001139384  | 2          | Hinge               |     |
| 21   | 1001164726  | 3          | Screw M8 x 20       |     |
| 22   | 1001169046  | 2          | Nut, Hinge          |     |
| 23   | 1001202333  | 2          | Plate, Nut          |     |
| 24   | 1001211760  | 1          | Door                |     |
| 25   | 1001211761  | 1          | Plate               |     |
| 26   | 1001285144  | 1          | Hood                |     |

SECTION 2 - TURNTABLE

FIGURE 2-33. NOISE REDUCTION PACKAGE



ART\_1001252519



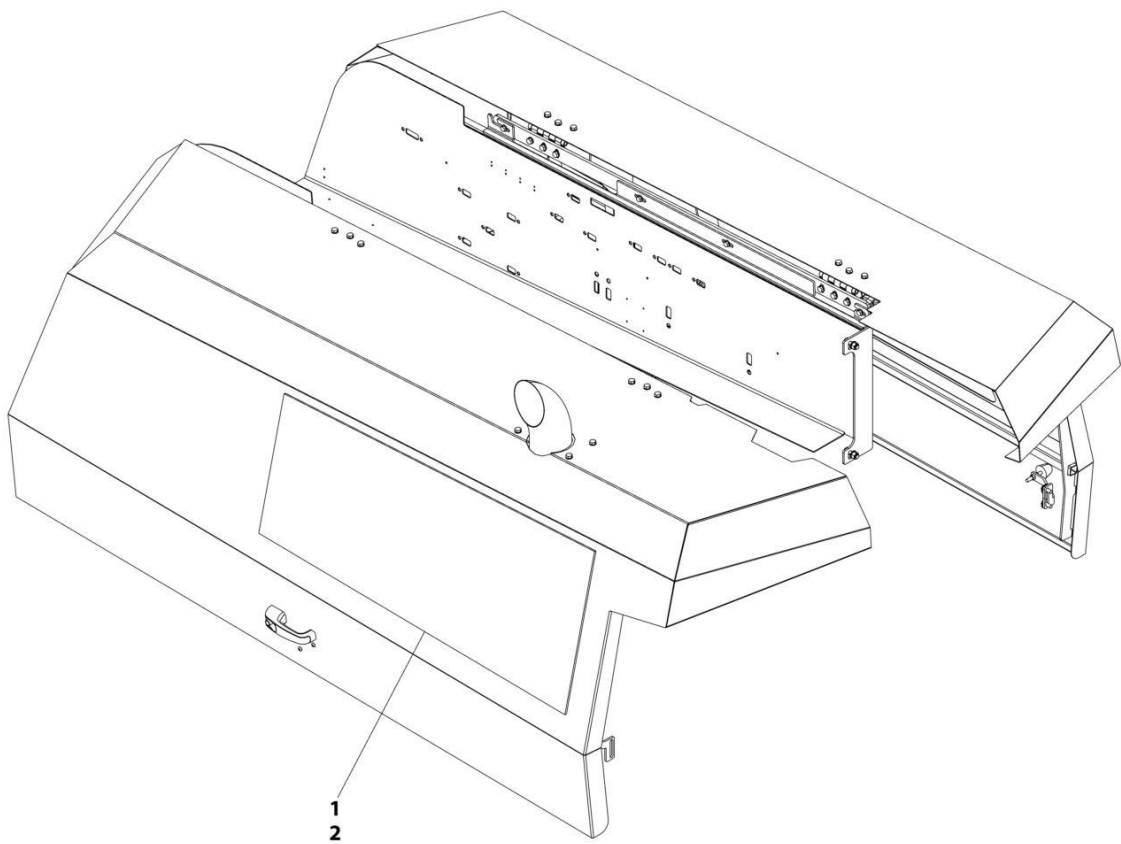
## SECTION 2 - TURNTABLE

**FIGURE 2-33. NOISE REDUCTION PACKAGE**

| ITEM | PART NUMBER | QTY              | DESCRIPTION                                      | REV |
|------|-------------|------------------|--------------------------------------------------|-----|
|      | 1001252519  | Ref              | SOUND REDUCTION PACKAGE                          | A   |
| 1    | 0760812     | 4                | Bolt M8 x 25                                     |     |
| 2    | 3290801     | 2                | Nut M8                                           |     |
| 3    | 3960389     | 8 ft<br>/2.44m   | Seal                                             |     |
| 4    | 3960464     | 3.6 ft<br>/1.10m | Seal                                             |     |
| 5    | 4811900     | 6                | Washer M8                                        |     |
| 6    | 5250808     | 2                | Bolt M8 x 16                                     |     |
| 7    | 5260800     | 2                | Nut M8                                           |     |
| 8    | 1001241729  | 1                | Plate                                            |     |
| 9    | 1001253115  | 1                | Bracket                                          |     |
| 10   | 1001253117  | 1                | Plate                                            |     |
| 100  | 1001255619  | 1                | Sound Foam Insulate Kit (Includes Items 101-108) | A   |
| 101  | 1001233953  | 1                | Insulate                                         |     |
| 102  | 1001233954  | 1                | Insulate                                         |     |
| 103  | 1001233955  | 1                | Insulate                                         |     |
| 104  | 1001233966  | 1                | Insulate                                         |     |
| 105  | 1001233967  | 1                | Insulate                                         |     |
| 106  | 1001234269  | 1                | Insulate                                         |     |
| 107  | 1001253116  | 1                | Insulate                                         |     |
| 108  | 1001253459  | 1                | Insulate                                         |     |

SECTION 2 - TURNTABLE

FIGURE 2-34. HOOD INSULATION INSTALLATION (AUSTRALIAN SPECS)



ART\_1001263325

## SECTION 2 - TURNTABLE

**FIGURE 2-34. HOOD INSULATION INSTALLATION (AUSTRALIAN SPECS)**

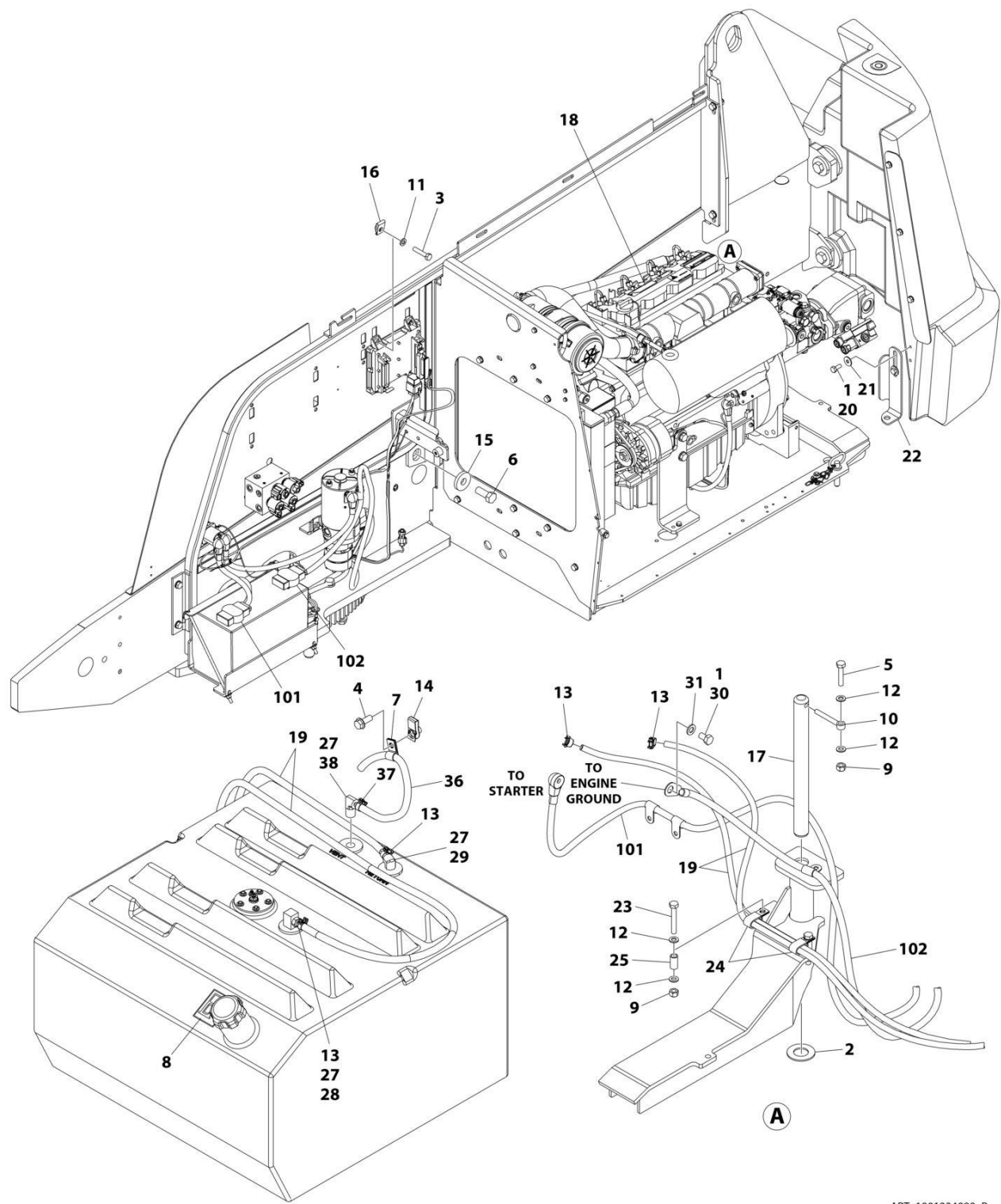
| ITEM | PART NUMBER | QTY | DESCRIPTION                  | REV |
|------|-------------|-----|------------------------------|-----|
| 1    | 1001263325  | Ref | HOOD INSULATION INSTALLATION | A   |
|      | 1001117140  | AR  | Tape, Aluminum               |     |
|      | 1001237895  | 1   | Insulate, Heat Shield        |     |



**SECTION 3 - ENGINE**

SECTION 3 - ENGINE

FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION



ART\_1001234980\_B

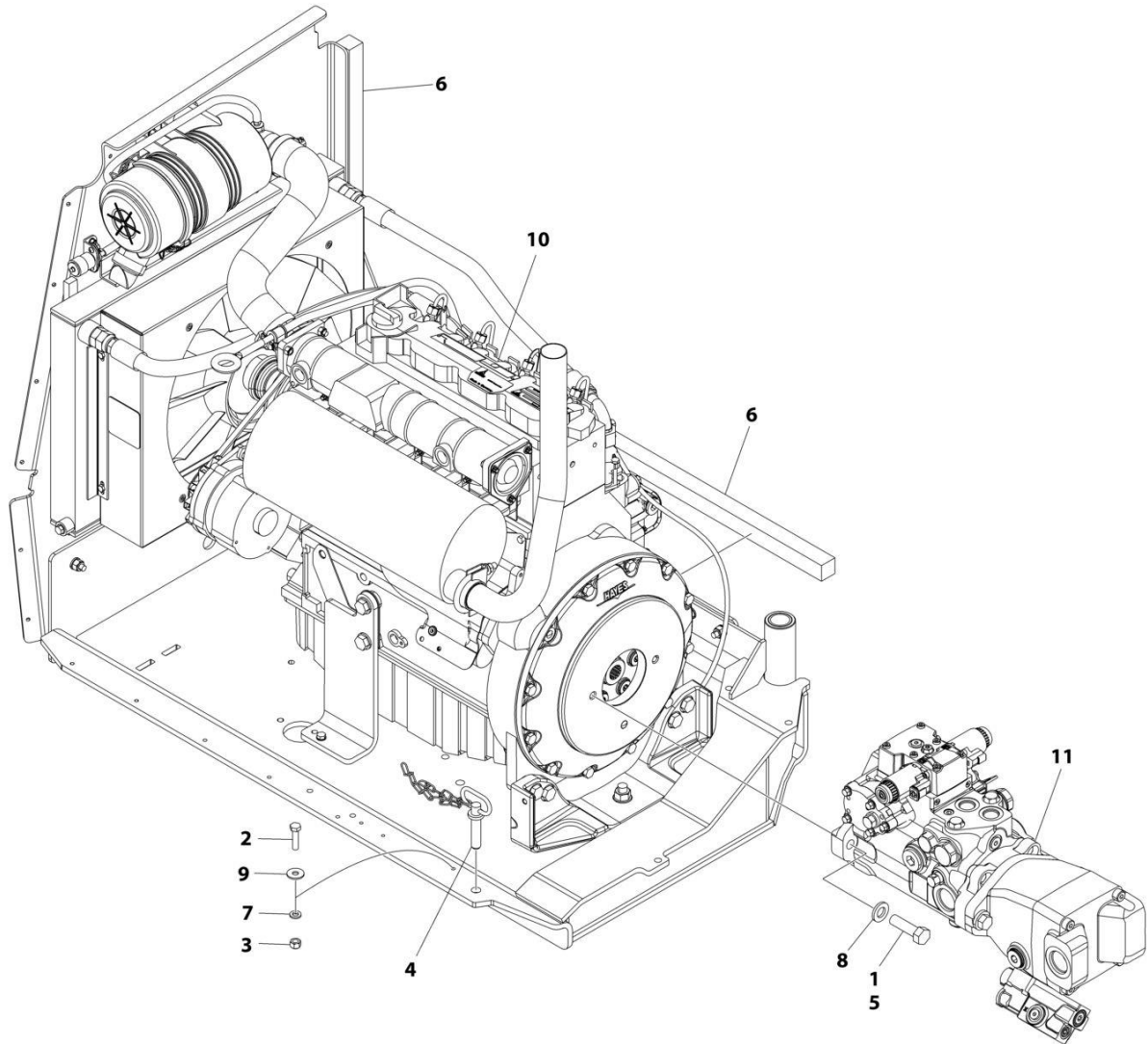
## SECTION 3 - ENGINE

**FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION**

| ITEM | PART NUMBER | QTY         | DESCRIPTION                                                                        | REV |
|------|-------------|-------------|------------------------------------------------------------------------------------|-----|
|      | 1001234980  | Ref         | DEUTZ D2011 ENGINE INSTALLATION                                                    | B   |
| 1    | 0100011     | AR          | Compound, Locking                                                                  |     |
| 2    | 0440162     | 1           | Bearing                                                                            |     |
| 3    | 0700614     | 4           | Bolt M6 x 30                                                                       |     |
| 4    | 5251012     | 1           | Bolt M10 x 25                                                                      |     |
| 5    | 0711018     | 1           | Bolt M10 x 50                                                                      |     |
| 6    | 0772018     | 1           | Bolt M20 x 50                                                                      |     |
| 7    | 1320061     | 1           | Clamp                                                                              |     |
| 8    | 1701505     | 1           | Decal - Diesel Fuel                                                                |     |
| 9    | 3291005     | 3           | Nut M10                                                                            |     |
| 10   | 3841143     | 1           | Keeper, Pin                                                                        |     |
| 11   | 4811700     | 4           | Washer M6                                                                          |     |
| 12   | 4812000     | 6           | Washer M10                                                                         |     |
| 13   | 1001174486  | 4           | Clamp                                                                              |     |
| 14   | 1001118972  | 1           | Nut, Tinnerman M10                                                                 |     |
| 15   | 1001119051  | 1           | Washer                                                                             |     |
| 16   | 1001130220  | 4           | Nut, Tinnerman M6                                                                  |     |
| 17   | 1001155094  | 1           | Pin                                                                                |     |
| 18   | 1001238267  | 1           | Deutz D2011 Engine and Pumps Sub-Assembly (See Separate Breakdown in this Section) |     |
| 19   | 2720058     | 24 ft / 7 m | Hose, Fuel                                                                         |     |
| 20   | 0701012     | 2           | Bolt M10 x 70                                                                      |     |
| 21   | 4812002     | 2           | Washer M10                                                                         |     |
| 22   | 1001196398  | 1           | Bracket                                                                            |     |
| 23   | 0701022     | 2           | Bolt M10 x 70                                                                      |     |
| 24   | 1001026127  | 2           | Clamp                                                                              |     |
| 25   | 1001200731  | 2           | Tube                                                                               |     |
| 26   | 4240099     | 5           | Tie-Strap (Not Shown)                                                              |     |
| 27   | 0100020     | AR          | Sealant                                                                            |     |
| 28   | 2180348     | 1           | Fitting, Straight NPT x Barb                                                       |     |
| 29   | 2221176     | 1           | Fitting, 90 Barbed                                                                 |     |
| 30   | 0761210     | 1           | Bolt M12 x 20                                                                      |     |
| 31   | 4812100     | 1           | Washer M12                                                                         |     |
| 36   | 1001165035  | 2 ft / 1 m  | Hose                                                                               |     |
| 37   | 1001136975  | 1           | Clamp                                                                              |     |
| 38   | 2220313     | 1           | Fitting, 90 NPTF/Barb                                                              |     |
| 100  | 1001235699  | 1           | Battery Cable Kit (Includes Items 36 & 37) (Not Shown)                             |     |
| 101  | 1001188667  | 1           | Cable, Battery (+) to Aux Relay to Starter                                         |     |
| 102  | 1001188670  | 1           | Cable, Battery (-) to Aux Pump and Ground                                          |     |
| 200  | 1001269919  | 1           | Hose Kit (Not Shown)                                                               |     |
| 201  | 1001192690  | 1           | Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)                 |     |
| 202  | 1001203431  | 1           | Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)                |     |
| 203  | 1001203432  | 1           | Hose (Drive Suction) (Not Shown)                                                   |     |
| 204  | 1001203433  | 1           | Hose (Function Suction) (Not Shown)                                                |     |

SECTION 3 - ENGINE

FIGURE 3-2. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY



ART\_1001238267



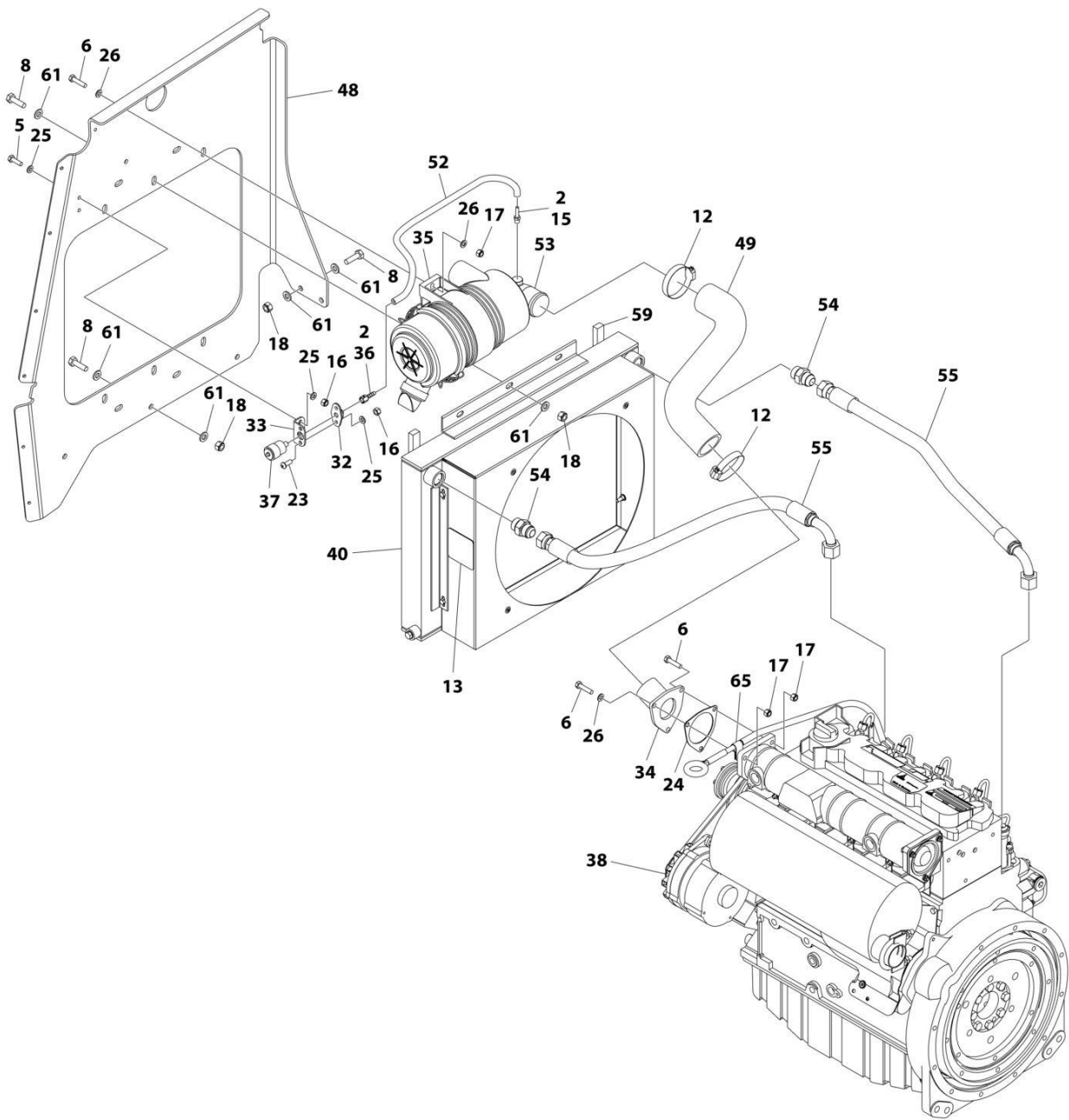
## SECTION 3 - ENGINE

**FIGURE 3-2. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                          | REV |
|------|-------------|-----|----------------------------------------------------------------------|-----|
|      | 1001238267  | Ref | DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY                            | A   |
| 1    | 0100011     | AR  | Compound, Locking                                                    |     |
| 2    | 0760612     | 1   | Bolt M6 x 25                                                         |     |
| 3    | 3290605     | 1   | Nut M6                                                               |     |
| 4    | 3422532     | 1   | Pin                                                                  |     |
| 5    | 0641814     | 2   | Bolt 1/2 x 1-3/4                                                     |     |
| 6    | 3960469     | 2   | Seal                                                                 |     |
| 7    | 4811700     | 1   | Washer M6                                                            |     |
| 8    | 5241200     | 2   | Washer M12                                                           |     |
| 9    | 4811702     | 1   | Washer M6                                                            |     |
| 10   | 1001186816  | 1   | Deutz D2011 Engine Assembly (See Separate Breakdown in this Section) |     |
| 11   | 1001239601  | 1   | Pumps Assembly (See Separate Breakdown in this Section)              |     |

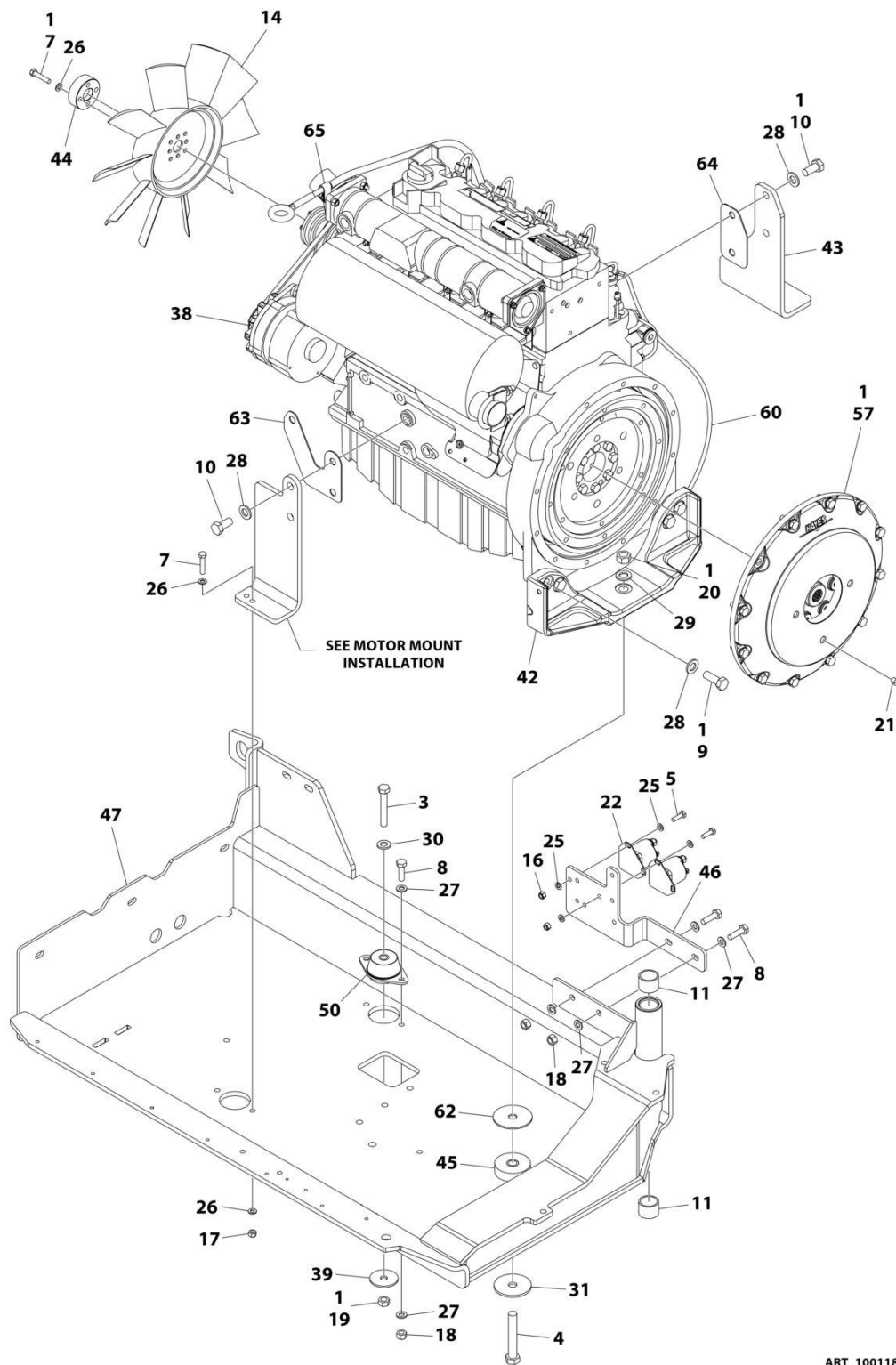
SECTION 3 - ENGINE

FIGURE 3-3. DEUTZ D2011 ENGINE ASSEMBLY



ART\_1001186816\_X\_10F2

## SECTION 3 - ENGINE



ART\_1001186816\_X\_2OF2

## SECTION 3 - ENGINE

**FIGURE 3-3. DEUTZ D2011 ENGINE ASSEMBLY**

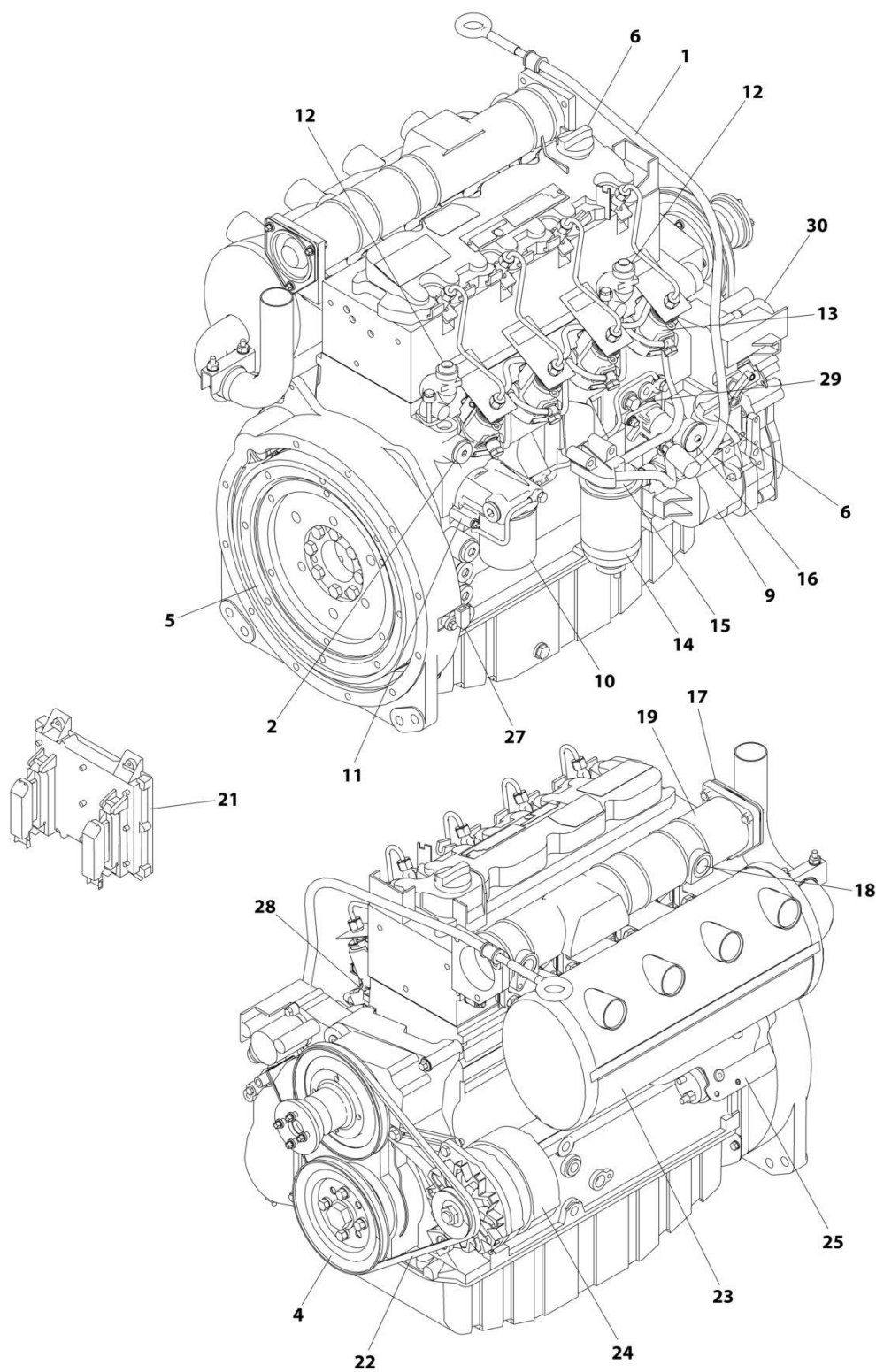
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                     | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------------------|-----|
|      | 1001186816  | Ref | DEUTZ D2011 ENGINE ASSEMBLY                                                                     | X   |
| 1    | 0100011     | AR  | Compound, Locking                                                                               |     |
| 2    | 0100020     | AR  | Sealant                                                                                         |     |
| 3    | 0711224     | 1   | Bolt M12 x 80                                                                                   |     |
| 4    | 0711627     | 1   | Bolt M16 x 100                                                                                  |     |
| 5    | 0760610     | 6   | Bolt M6 x 20                                                                                    |     |
| 6    | 0760815     | 5   | Bolt M8 x 35                                                                                    |     |
| 7    | 0760816     | 5   | Bolt M8 x 40                                                                                    |     |
| 8    | 0761015     | 15  | Bolt M10 x 35                                                                                   |     |
| 9    | 0771416     | 4   | Bolt M14 x 40                                                                                   |     |
| 10   | 0771414     | 4   | Bolt M14 x 30                                                                                   |     |
| 11   | 0961951     | 2   | Bushing                                                                                         |     |
| 12   | 8405202     | 2   | Clamp                                                                                           |     |
| 13   | 1703162     | 2   | Decal - Fan Blade                                                                               |     |
| 14   | 2060025     | 1   | Fan                                                                                             |     |
| 15   | 2220315     | 1   | Fitting, Straight Barbed                                                                        |     |
| 16   | 3290605     | 8   | Nut M6                                                                                          |     |
| 17   | 3290805     | 6   | Nut M8                                                                                          |     |
| 18   | 3291005     | 15  | Nut M10                                                                                         |     |
| 19   | 3331211     | 1   | Nut M12                                                                                         |     |
| 20   | 3331611     | 1   | Nut M16                                                                                         |     |
| 21   | 3520054     | 2   | Plug                                                                                            |     |
| 22   | 3740067     | 2   | Relay                                                                                           |     |
| 23   | 3900357     | 2   | Screw M6 x 16                                                                                   |     |
| 24   | 3960407     | 1   | Gasket, Air Intake Adapter                                                                      |     |
| 25   | 4811700     | 14  | Washer M6                                                                                       |     |
| 26   | 4811900     | 11  | Washer M8                                                                                       |     |
| 27   | 4812000     | 8   | Washer M10                                                                                      |     |
| 28   | 5241400     | 8   | Washer M14                                                                                      |     |
| 29   | 4812300     | 1   | Washer M16                                                                                      |     |
| 30   | 5241200     | 1   | Washer M12                                                                                      |     |
| 31   | 7300435     | 1   | Washer                                                                                          |     |
| 32   | 1001138173  | 1   | Support                                                                                         |     |
| 33   | 1001138175  | 1   | Bracket                                                                                         |     |
| 34   | 1001139819  | 1   | Adapter                                                                                         |     |
| 35   | 1001141694  | 1   | Clamp, Air Cleaner                                                                              |     |
| 36   | 1001141995  | 1   | Fitting, Straight NPT/Barbed                                                                    |     |
| 37   | 1001143390  | 1   | Indicator, Air Filter Service                                                                   |     |
| 38   | 1001146368  | 1   | Deutz D2011 Engine (See Separate Breakdown in this Section)                                     |     |
| 39   | 1001168018  | 1   | Washer                                                                                          |     |
| 40   | 1001187082  | 1   | Radiator                                                                                        |     |
| 41   | 1001188236  | 1   | Engine Harness - Deutz D2011 Engines (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION) |     |
| 42   | 1001188535  | 1   | Bracket, Engine - Rear                                                                          |     |
| 43   | 1001189026  | 1   | Bracket, Engine - Right                                                                         |     |
| 44   | 1001189161  | 1   | Adapter, Fan                                                                                    |     |
| 45   | 1001190164  | 1   | Mount, Motor                                                                                    |     |
| 46   | 1001203885  | 1   | Plate                                                                                           |     |
| 47   | 1001200435  | 1   | Tray                                                                                            |     |
| 48   | 1001236499  | 1   | Support, Radiator                                                                               |     |

## SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY              | DESCRIPTION                                                | REV |
|------|-------------|------------------|------------------------------------------------------------|-----|
| 49   | 1001191271  | 1                | Hose                                                       |     |
| 50   | 1001191610  | 1                | Mount, Motor                                               |     |
| 52   | 1001138248  | 21.7 in/<br>0.6m | Tube                                                       |     |
| 53   | 1001165388  | 1                | Filter, Air                                                |     |
| 53   | 70003783    | 1                | Element, Filter                                            |     |
| 54   | 2220451     | 2                | Fitting, Straight ORB/JIC                                  |     |
| 55   | 2720398     | 2                | Hose                                                       |     |
| 57   | 2902065     | 1                | Pump Coupling Kit (See Separate Breakdown in this Section) |     |
| 59   | 1001168166  | 2                | Seal                                                       |     |
| 60   | 1001234396  | 1                | Glow Plug Harness                                          |     |
| 61   | 5241000     | 22               | Washer M10                                                 |     |
| 62   | 1001197725  | 1                | Spacer                                                     |     |
| 63   | 1001201843  | 1                | Shim .079                                                  |     |
| 64   | 1001201844  | 1                | Shim .079                                                  |     |
| 65   | 1320070     | 1                | Clamp                                                      |     |

SECTION 3 - ENGINE

FIGURE 3-4. DEUTZ D2011 ENGINE COMPONENTS



ART\_1001146368

## SECTION 3 - ENGINE

**FIGURE 3-4. DEUTZ D2011 ENGINE COMPONENTS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                             | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------|-----|
|      | 1001146368  | Ref | DEUTZ D2011 ENGINE COMPONENTS                                                           | E   |
| 1    | 7026631     | 1   | Dipstick                                                                                |     |
| 1    | 7020487     | 1   | O-Ring, Dipstick                                                                        |     |
| 1    | 70001002    | 1   | Tube, Dipstick                                                                          |     |
| 1    | 7020403     | 1   | Seal, Dipstick Tube                                                                     |     |
| 2    | 70003475    | 1   | Thermostat                                                                              |     |
| 2    | 7020460     | 1   | Spring, Compression                                                                     |     |
| 3    | 70002718    | 1   | Seal, Rear Main (Not Shown)                                                             |     |
| 4    | 70005479    | 1   | Pulley                                                                                  |     |
| 5    | 70001870    | 1   | Flywheel                                                                                |     |
| 5    | 7024579     | 1   | Ring Gear                                                                               |     |
| 6    | 7020465     | 2   | Cap, Filler                                                                             |     |
| 7    | 70003456    | 1   | Gasket, Head (Not Shown)                                                                |     |
| 7    | 70003457    | 1   | Gasket, Head (Not Shown)                                                                |     |
| 7    | 70003003    | 1   | Gasket, Head (Not Shown)                                                                |     |
| 8    | 7020431     | 1   | Gasket, Valve Cover (Not Shown)                                                         |     |
| 9    | 70001850    | 1   | Pump, Oil Lube                                                                          |     |
| 9    | 7020468     | 1   | Seal Between Oil Pump and Engine Block (Not Shown)                                      |     |
| 10   | 7016331     | 1   | Filter, Oil                                                                             |     |
| 11   | 70003472    | 1   | Bracket, Oil Filter (Includes Spring, Control Valve, Temperature Sensor, Seal and Plug) |     |
| 11   | 7027236     | 1   | Sensor, Temperature                                                                     |     |
| 11   | 70003473    | 1   | Gasket, Oil Filter Bracket to Engine Block                                              |     |
| 12   | 70004268    | 2   | Fitting, Radiator Connector (Located Between Item 220 and Engine Block)                 |     |
| 12   | 70004269    | 2   | Seal for Radiator Connector Fitting                                                     |     |
| 13   | 70003478    | 4   | Injector, Fuel                                                                          |     |
| 13   | 70003136    | 4   | Seal                                                                                    |     |
| 13   |             | Ref | Pump, Injector Options:                                                                 |     |
| 13   | 70000912    | 1   | Series A Injector                                                                       |     |
| 13   | 70000913    | 4   | Series B Injector                                                                       |     |
| 13   | 70000914    | 1   | Series C Injector                                                                       |     |
| 13   | 70000915    | 1   | Series D Injector                                                                       |     |
| 14   | 7016328     | 1   | Filter, Fuel                                                                            |     |
| 15   | 70001423    | 1   | Bracket, Fuel Filter                                                                    |     |
| 16   | 70000916    | 1   | Pump Fuel Supply                                                                        |     |
| 16   | 70001435    | 1   | Repair Kit for Pump                                                                     |     |
| 16   | 70000919    | 1   | Hand Pump                                                                               |     |
| 16   | 70000918    | 1   | Seal, Hand Pump                                                                         |     |
| 16   | 70000917    | 1   | O-Seal Between Fuel Pump and Engine Block (Not Shown)                                   |     |
| 17   | 70003469    | 1   | Flange                                                                                  |     |
| 17   | 70003468    | 1   | O-Seal                                                                                  |     |
| 18   | 70025084    | 1   | Plug                                                                                    |     |
| 19   | 70003470    | 1   | Manifold, Intake                                                                        |     |
| 19   | 70001871    | 4   | Gasket, Intake Manifold to Engine Block (Not Shown)                                     |     |
| 20   | 70001847    | 1   | Breather Valve (Not Shown - Located on Front Cover)                                     |     |
| 20   | 70001126    | 1   | Seal, Breather Valve                                                                    |     |
| 21   | 7027795     | 1   | Module, Control                                                                         |     |
| 22   | 7020408     | 1   | V-Belt                                                                                  |     |
| 23   | 7000695     | 1   | Muffler (Includes Saddle Clamp)                                                         |     |

## SECTION 3 - ENGINE

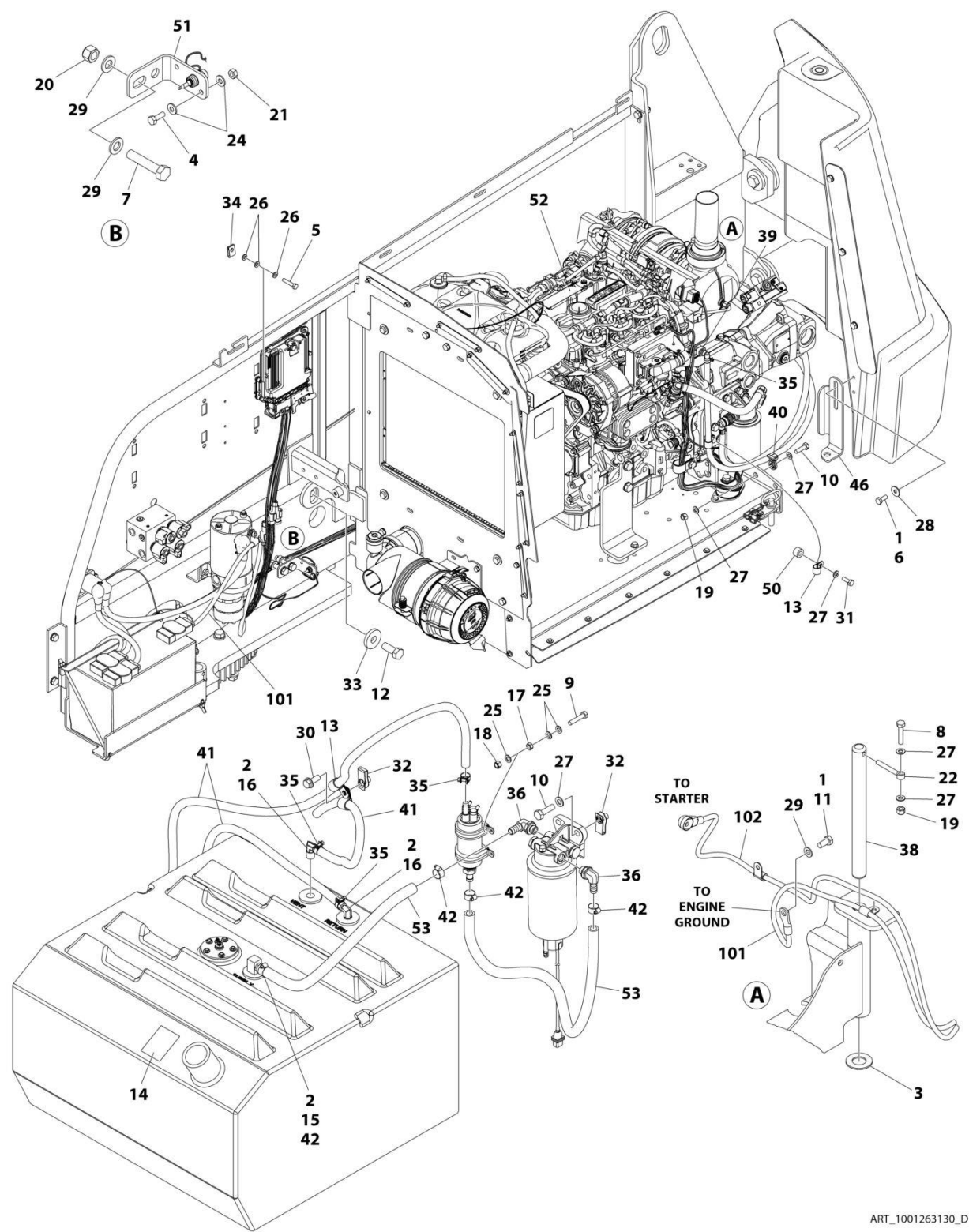
| ITEM | PART NUMBER | QTY | DESCRIPTION                                           | REV |
|------|-------------|-----|-------------------------------------------------------|-----|
| 23   | 7020471     | 4   | Gasket, Exhaust Manifold (Not Shown)                  |     |
| 23   | 70004270    | 8   | Stud, Exhaust Manifold (Not Shown)                    |     |
| 24   | 70004056    | 1   | Alternator                                            |     |
| 24   | 70001868    | 1   | Regulator, Voltage Options (Not Shown)                |     |
| 24   | 70001866    | 1   | Gasket for Voltage Regulator (Not Shown)              |     |
| 24   | 70002234    | 1   | Bracket, Adjusting (Not Shown)                        |     |
| 24   | 70000851    | 1   | Bracket, Mounting (Not Shown)                         |     |
| 25   | 7020479     | 1   | Starter                                               |     |
| 25   | 70004058    | 1   | Relay                                                 |     |
| 25   | 70001498    | 1   | Shield, Starter Heat                                  |     |
| 26   | 70004059    | 1   | Plug- In Connector for Analyzer (Not Shown)           |     |
| 26   | 7027796     | 1   | Harness, Module to Engine Harness (Not Shown)         |     |
| 26   | 70004060    | 1   | Plug- In Connector on p/n 7027796 Harness (Not Shown) |     |
| 26   | 70001872    | 1   | Harness, Engine (Not Shown)                           |     |
| 26   | 70004103    | 1   | Harness, Alternator (Not Shown)                       |     |
| 26   | 70004271    | 1   | Harness, Starter (Not Shown)                          |     |
| 27   | 70004272    | 1   | Sensor, Speed                                         |     |
| 27   | 70003932    | 1   | Spacer                                                |     |
| 28   | 7027791     | 1   | Transmitter, Temperature                              |     |
| 29   | 7027790     | 1   | Sensor, Oil Pressure                                  |     |
| 30   | 7027792     | 1   | Actuator, Throttle                                    |     |
| 30   | 7027276     | 1   | Spring, Actuator                                      |     |
| 31   | 70000345    | 4   | Plug, Glow (Not Shown)                                |     |
| 32   | 70004273    | 1   | Set, Engine Gasket (Not Shown)                        |     |





SECTION 3 - ENGINE

FIGURE 3-5. DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION



ART\_1001263130\_D

## SECTION 3 - ENGINE

**FIGURE 3-5. DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION**

| ITEM | PART NUMBER | QTY        | DESCRIPTION                                                                                                   | REV |
|------|-------------|------------|---------------------------------------------------------------------------------------------------------------|-----|
|      | 1001263130  | Ref        | DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION                                                                   | D   |
| 1    | 0100011     | AR         | Compound, Locking                                                                                             |     |
| 2    | 0100020     | AR         | Sealant                                                                                                       |     |
| 3    | 0440162     | 1          | Bearing                                                                                                       |     |
| 4    | 0641406     | 1          | Bolt 1/4 x 3/4                                                                                                |     |
| 5    | 0700614     | 4          | Bolt M6 x 30                                                                                                  |     |
| 6    | 0701012     | 2          | Bolt M10 x 25                                                                                                 |     |
| 7    | 0701220     | 2          | Bolt M12 x 60                                                                                                 |     |
| 8    | 0711018     | 1          | Bolt M10 x 50                                                                                                 |     |
| 9    | 0760512     | 4          | Bolt M5 x 25                                                                                                  |     |
| 10   | 0761015     | 3          | Bolt M10 x 35                                                                                                 |     |
| 11   | 0771212     | 1          | Bolt M12 x 25                                                                                                 |     |
| 12   | 0772018     | 1          | Bolt M20 x 50                                                                                                 |     |
| 13   | 1320061     | 3          | Clamp                                                                                                         |     |
| 14   | 1701505     | 1          | Decal - Diesel Fuel                                                                                           |     |
| 15   | 2180832     | 1          | Fitting, Straight Barbed                                                                                      |     |
| 16   | 2220313     | 2          | Fitting, 90 NPTF/Barb                                                                                         |     |
| 17   | 3290501     | 4          | Nut M5                                                                                                        |     |
| 18   | 3290505     | 4          | Nut M5                                                                                                        |     |
| 19   | 3291005     | 2          | Nut M10                                                                                                       |     |
| 20   | 3291205     | 2          | Nut M12                                                                                                       |     |
| 21   | 3311405     | 1          | Nut 1/4                                                                                                       |     |
| 22   | 3841143     | 1          | Keeper, Pin                                                                                                   |     |
| 23   | 4240099     | AR         | Tie-Strap (Not Shown)                                                                                         |     |
| 24   | 4711400     | 2          | Washer 1/4                                                                                                    |     |
| 25   | 4811600     | 12         | Washer M5                                                                                                     |     |
| 26   | 4811700     | 12         | Washer M6                                                                                                     |     |
| 27   | 4812000     | 7          | Washer M10                                                                                                    |     |
| 28   | 4812002     | 2          | Washer M10                                                                                                    |     |
| 29   | 4812100     | 5          | Washer M12                                                                                                    |     |
| 30   | 5251012     | 1          | Bolt M10 x 25                                                                                                 |     |
| 31   | 0761014     | 1          | Bolt M10 x 30                                                                                                 |     |
| 32   | 1001118972  | 3          | Nut, Tinnerman M10                                                                                            |     |
| 33   | 1001119051  | 1          | Washer                                                                                                        |     |
| 34   | 1001130220  | 4          | Nut, Tinnerman M6                                                                                             |     |
| 35   | 1001136975  | 5          | Clamp                                                                                                         |     |
| 36   | 1001142501  | 2          | Fitting, 90 Barbed                                                                                            |     |
| 37   | 1001146588  | 1          | Tie-Strap (Not Shown)                                                                                         |     |
| 38   | 1001155094  | 1          | Pin                                                                                                           |     |
| 39   | 1001155823  | 1          | Fitting, 90 Quick Connect                                                                                     |     |
| 40   | 1001156107  | 1          | Holder, Cable                                                                                                 |     |
| 41   | 1001165035  | 27 ft /9 m | Hose                                                                                                          |     |
| 42   | 8405006     | 4          | Clamp                                                                                                         |     |
| 44   | 1001190444  | 1          | Fuel Pump Harness - Deutz TD2.2L3 (Stage V) Engine (Not Shown) (See Separate Breakdown in ELECTRICAL Section) |     |
| 46   | 1001196398  | 1          | Bracket                                                                                                       |     |
| 50   | 1001220266  | 1          | Spacer                                                                                                        |     |
| 51   | 1001256879  | 1          | Bracket                                                                                                       |     |
| 52   | 1001263129  | 1          | Deutz TD2.2L3 (Stage V) Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)                 |     |

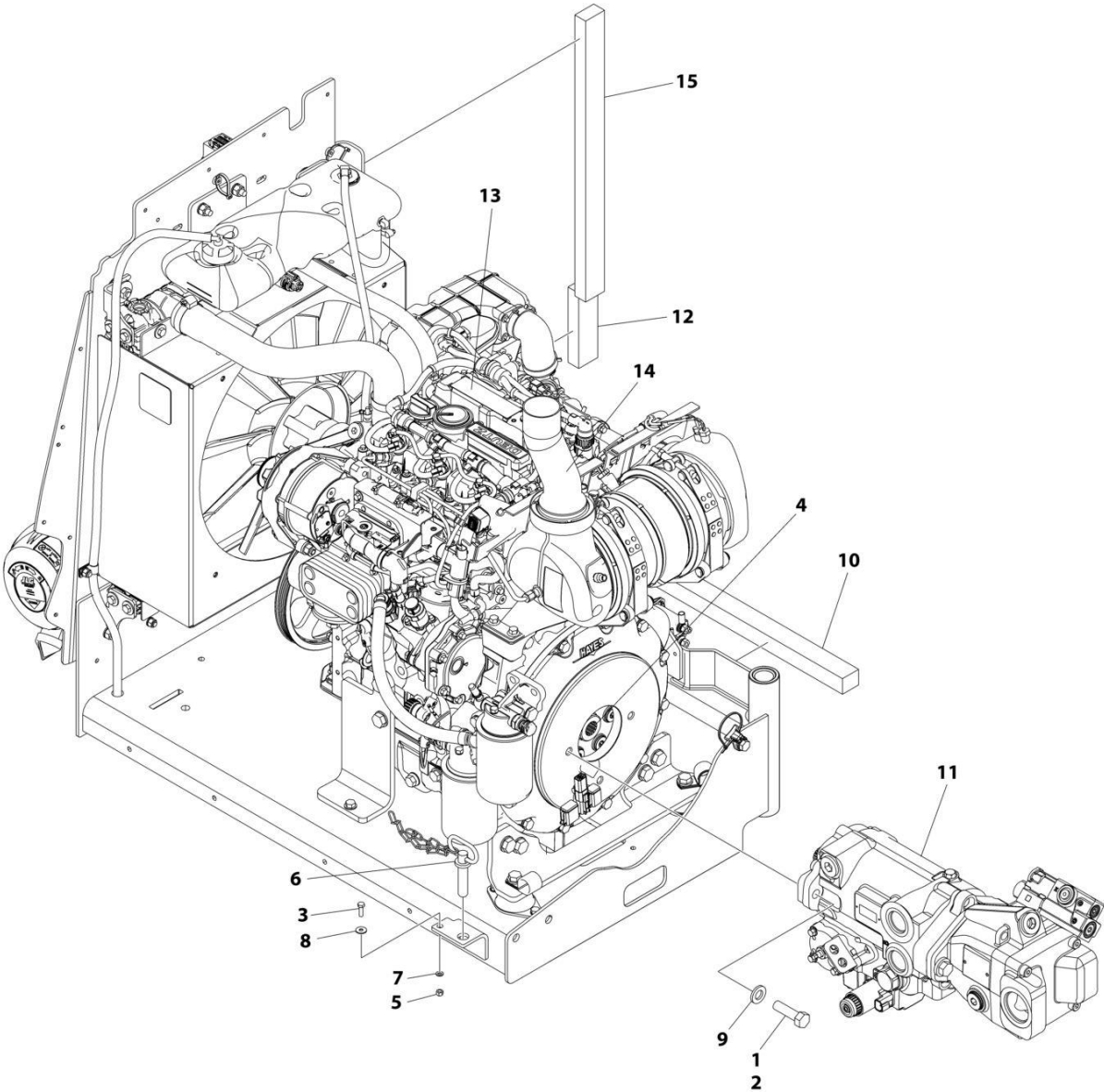
## SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY       | DESCRIPTION                                                                         | REV |
|------|-------------|-----------|-------------------------------------------------------------------------------------|-----|
| 53   | 1001154405  | 3 ft /1 m | Hose                                                                                |     |
| 54   | 1001289594  | 1         | ECU Power Jumper Harness (Not Shown) (See Separate Breakdown in ELECTRICAL Section) |     |
| 100  | 1001235532  | 1         | Battery Cable Kit (Includes Items 101 & 102) (Not Shown)                            |     |
| 101  | 1001188668  | 1         | Cable, Battery (-) to Aux Pump and Ground                                           |     |
| 102  | 1001188669  | 1         | Cable, Battery (+) to Aux Relay to Starter                                          |     |
| 200  | 1001269919  | 1         | Hose Kit (Not Shown)                                                                |     |
| 201  | 1001192690  | 1         | Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)                  |     |
| 202  | 1001203431  | 1         | Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)                 |     |
| 203  | 1001203432  | 1         | Hose (Function Suction) (Not Shown)                                                 |     |
| 204  | 1001203433  | 1         | Hose (Drive Suction) (Not Shown)                                                    |     |



SECTION 3 - ENGINE

FIGURE 3-6. DEUTZ TD2.2L3 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY



ART\_1001263129\_B

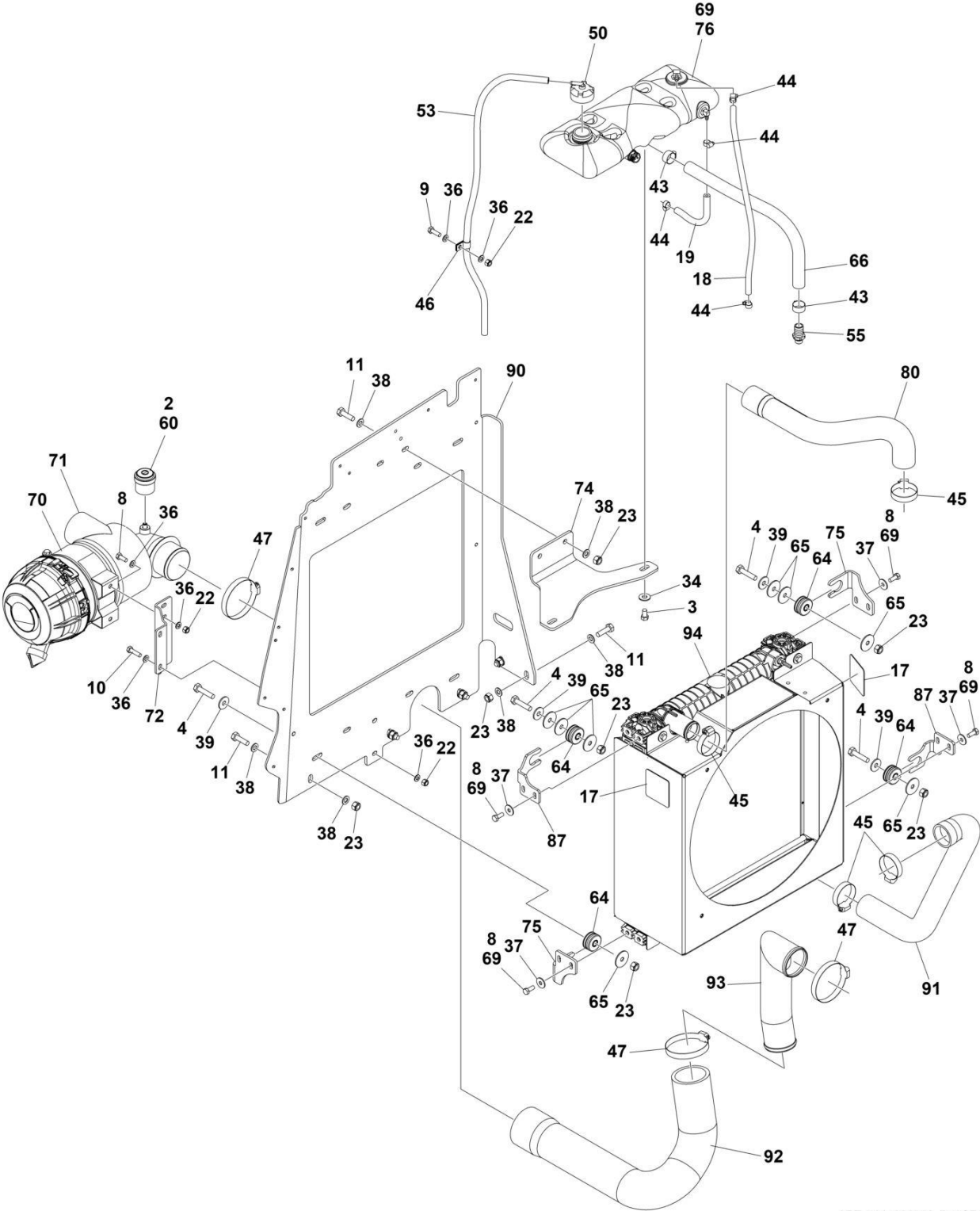
## SECTION 3 - ENGINE

**FIGURE 3-6. DEUTZ TD2.2L3 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                            | REV |
|------|-------------|-----|------------------------------------------------------------------------|-----|
|      | 1001263129  | Ref | DEUTZ TD2.2L3 ENGINE AND PUMPS SUB-ASSEMBLY                            | B   |
| 1    | 0100011     | AR  | Compound, Locking                                                      |     |
| 2    | 0641814     | 2   | Bolt 1/2 x 1-3/4                                                       |     |
| 3    | 0760610     | 1   | Bolt M6 x 20                                                           |     |
| 4    | 3020037     | AR  | Lube, Coupling Grease                                                  |     |
| 5    | 3290605     | 1   | Nut M6                                                                 |     |
| 6    | 3422532     | 1   | Pin                                                                    |     |
| 7    | 4811700     | 1   | Washer M6                                                              |     |
| 8    | 4811702     | 1   | Washer M6                                                              |     |
| 9    | 5241200     | 2   | Washer M12                                                             |     |
| 10   | 1001171953  | 1   | Seal                                                                   |     |
| 11   | 1001239601  | 1   | Pumps Assembly (See Separate Breakdown in this Section)                |     |
| 12   | 1001244508  | 1   | Seal                                                                   |     |
| 13   | 1001283636  | 1   | Deutz TD2.2L3 Engine Assembly (See Separate Breakdown in this Section) |     |
| 14   | 1001253906  | 1   | Pipe, Exhaust                                                          |     |
| 15   | 1001254279  | 1   | Seal                                                                   |     |

SECTION 3 - ENGINE

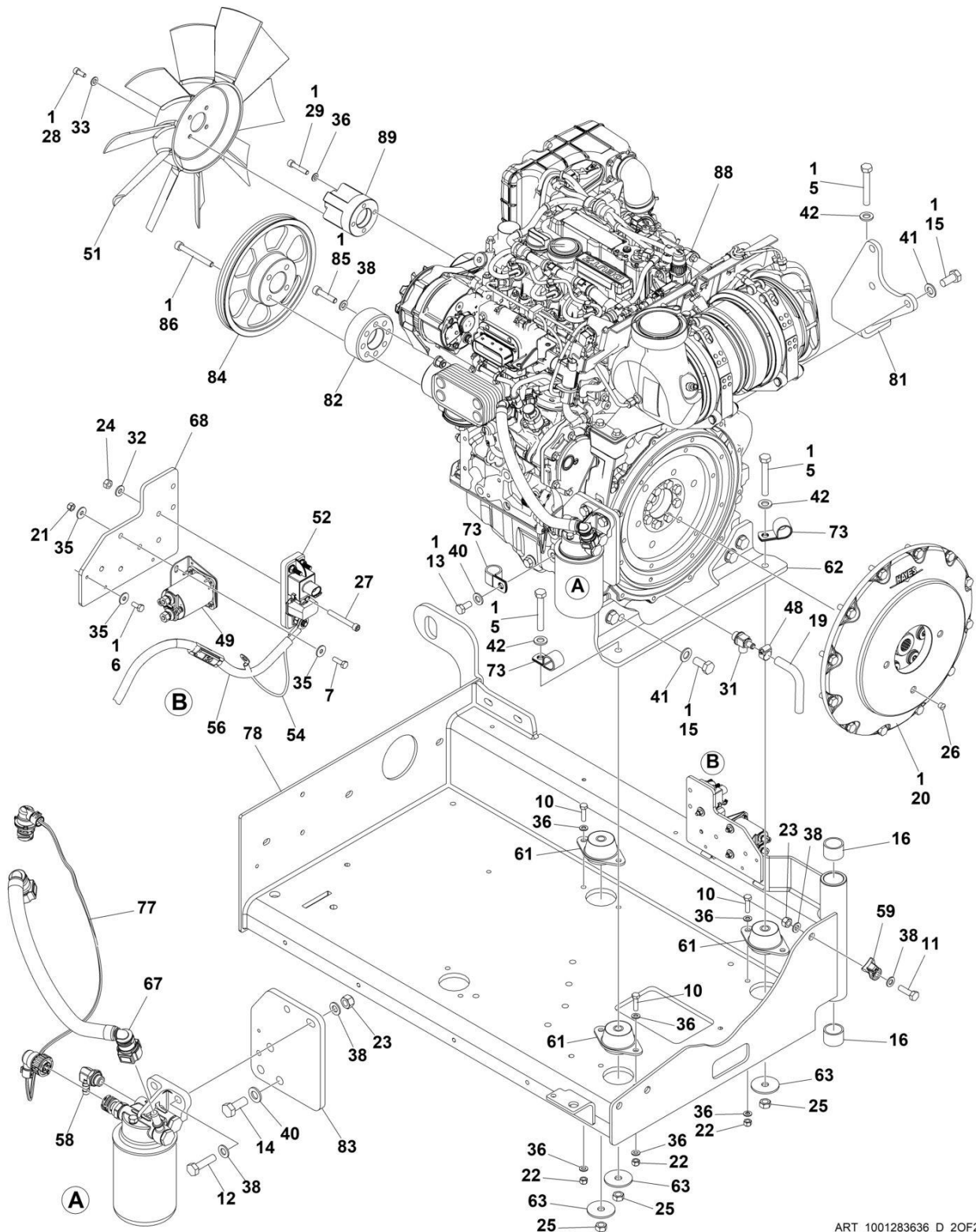
FIGURE 3-7. DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY



ART\_1001283636\_D\_10F2



# SECTION 3 - ENGINE



ART\_1001283636\_D\_20F2

## SECTION 3 - ENGINE

**FIGURE 3-7. DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY**

| ITEM | PART NUMBER | QTY         | DESCRIPTION                                                | REV |
|------|-------------|-------------|------------------------------------------------------------|-----|
|      | 1001283636  | Ref         | DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY                    | D   |
| 1    | 0100011     | AR          | Compound, Locking                                          |     |
| 2    | 0100020     | AR          | Sealant                                                    |     |
| 3    | 0681605     | 2           | Bolt 3/8 x 5/8                                             |     |
| 4    | 0701018     | 4           | Bolt M10 x 50                                              |     |
| 5    | 0711224     | 3           | Bolt M12 x 80                                              |     |
| 6    | 0760607     | 3           | Bolt M6 x 14                                               |     |
| 7    | 0760610     | 2           | Bolt M6 x 20                                               |     |
| 8    | 0760810     | 10          | Bolt M8 x 20                                               |     |
| 9    | 0760812     | 1           | Bolt M8 x 25                                               |     |
| 10   | 0760814     | 8           | Bolt M8 x 30                                               |     |
| 11   | 0761015     | 8           | Bolt M10 x 35                                              |     |
| 12   | 0761016     | 2           | Bolt M10 x 40                                              |     |
| 13   | 0761212     | 1           | Bolt M12 x 25                                              |     |
| 14   | 0761214     | 3           | Bolt M12 x 30                                              |     |
| 15   | 0771414     | 7           | Bolt M14 x 30                                              |     |
| 16   | 0961951     | 2           | Bushing                                                    |     |
| 17   | 1703162     | 2           | Decal - Fan Blade                                          |     |
| 18   | 2720015     | 3 ft /8 m   | Hose                                                       |     |
| 19   | 2720340     | 5 in /12 cm | Hose                                                       |     |
| 20   | 2902065     | 1           | Pump Coupling Kit (See Separate Breakdown in this Section) |     |
| 21   | 3290605     | 2           | Nut M6                                                     |     |
| 22   | 3290805     | 11          | Nut M8                                                     |     |
| 23   | 3291005     | 14          | Nut M10                                                    |     |
| 24   | 3311405     | 1           | Nut 1/4                                                    |     |
| 25   | 3331211     | 3           | Nut M12                                                    |     |
| 26   | 3520054     | 1           | Plug                                                       |     |
| 27   | 3931432     | 1           | Bolt 1/4 x 20                                              |     |
| 28   | 4031908     | 4           | Bolt M8 x 20                                               |     |
| 29   | 4031912     | 4           | Bolt M8 x 40                                               |     |
| 30   | 4240099     | AR          | Tie-Strap (Not Shown)                                      |     |
| 31   | 4640751     | 1           | Valve, Oil Drain                                           |     |
| 32   | 4711400     | 1           | Washer 1/4                                                 |     |
| 33   | 4711500     | 4           | Washer 5/16                                                |     |
| 34   | 4751600     | 2           | Washer 3/8                                                 |     |
| 35   | 4811702     | 7           | Washer M6                                                  |     |
| 36   | 4811900     | 26          | Washer M8                                                  |     |
| 37   | 4811902     | 8           | Washer                                                     |     |
| 38   | 4812000     | 24          | Washer M10                                                 |     |
| 39   | 4812002     | 4           | Washer M10                                                 |     |
| 40   | 4812100     | 4           | Washer M12                                                 |     |
| 41   | 4812200     | 7           | Washer M14                                                 |     |
| 42   | 5241200     | 3           | Washer M12                                                 |     |
| 43   | 8405007     | 2           | Clamp                                                      |     |
| 44   | 8405009     | 4           | Clamp                                                      |     |
| 45   | 8405104     | 4           | Clamp                                                      |     |
| 46   | 8406109     | 1           | Clip                                                       |     |
| 47   | 8410011     | 3           | Clamp                                                      |     |
| 48   | 8410013     | 1           | Clamp                                                      |     |

## SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY       | DESCRIPTION                                                                                                | REV |
|------|-------------|-----------|------------------------------------------------------------------------------------------------------------|-----|
| 49   | 1001117308  | 1         | Contactora                                                                                                 |     |
| 50   | 1001136834  | 1         | Cap, Tank                                                                                                  |     |
| 51   | 1001137276  | 1         | Fan                                                                                                        |     |
| 52   | 1001138228  | 1         | Relay                                                                                                      |     |
| 53   | 1001138248  | 4 ft /2 m | Tube Nylon                                                                                                 |     |
| 54   | 1001141304  | 1         | Wire, Glow Plug Fuse                                                                                       |     |
| 55   | 1001143797  | 1         | Fitting, Straight Barbed                                                                                   |     |
| 56   | 1001143907  | 1         | Cable                                                                                                      |     |
| 57   | 1001146588  | 5         | Tie-Strap (Not Shown)                                                                                      |     |
| 58   | 1001152489  | 1         | Fitting, 90 Barbed                                                                                         |     |
| 59   | 1001156107  | 1         | Holder, Cable                                                                                              |     |
| 60   | 1001170981  | 1         | Restriction, Indicator                                                                                     |     |
| 61   | 1001166718  | 3         | Isolator                                                                                                   |     |
| 62   | 1001166924  | 1         | Bracket, Engine - Rear                                                                                     |     |
| 63   | 1001168018  | 3         | Washer                                                                                                     |     |
| 64   | 1001169054  | 4         | Isolator                                                                                                   |     |
| 65   | 1001169138  | 8         | Pad, Snubbing                                                                                              |     |
| 66   | 1001176511  | 1         | Hose                                                                                                       |     |
| 67   | 1001177359  | 1         | Hose                                                                                                       |     |
| 68   | 1001179903  | 1         | Bracket                                                                                                    |     |
| 69   | 1001180620  | AR        | Adhesive                                                                                                   |     |
| 70   | 1001186426  | 1         | Clamp                                                                                                      |     |
| 71   | 1001189979  | 1         | Filter, Air Cleaner                                                                                        |     |
| 71   | 70005008    | 1         | Element, Filter                                                                                            |     |
| 72   | 1001190942  | 1         | Support                                                                                                    |     |
| 73   | 1001191620  | 3         | Clamp                                                                                                      |     |
| 74   | 1001192400  | 1         | Bracket                                                                                                    |     |
| 75   | 1001204325  | 2         | Bracket                                                                                                    |     |
| 76   | 1001230635  | 1         | Tank, Surge                                                                                                |     |
| 76   | 1001134488  | 1         | Fitting, 90 Barbed                                                                                         |     |
| 76   | 1001138827  | 1         | Sensor, Coolant Level                                                                                      |     |
| 76   | 1001140564  | 1         | Fitting, 90 Barbed                                                                                         |     |
| 77   | 1001245913  | 1         | Harness, Fuel Filter (Deutz TD2.2L3 (Stage V) Engine) (See Separate Breakdown in ELECTRICAL Section)       |     |
| 78   | 1001248817  | 1         | Support, Engine Tray                                                                                       |     |
| 79   | 1001276645  | 1         | Engine Harness - Deutz TD2.2L3 (Stage V) Engine (Not Shown) (See Separate Breakdown in ELECTRICAL Section) |     |
| 80   | 1001253849  | 1         | Hose, Radiator (Top)                                                                                       |     |
| 81   | 1001254878  | 1         | Bracket, Engine - Right                                                                                    |     |
| 82   | 1001258800  | 1         | Adapter                                                                                                    |     |
| 83   | 1001258804  | 1         | Mount, Fuel Filter                                                                                         |     |
| 84   | 1001281192  | 1         | Pulley                                                                                                     |     |
| 85   | 1001261045  | 4         | Capscrew M10 x 45                                                                                          |     |
| 86   | 1001261085  | 4         | Capscrew M10 x 85                                                                                          |     |
| 87   | 1001281292  | 2         | Bracket                                                                                                    |     |
| 88   | 1001282309  | 1         | Deutz TD2.2L3 (Stage V) Engine (See Separate Breakdown in this Section)                                    |     |
| 89   | 1001283651  | 1         | Adapter                                                                                                    |     |
| 90   | 1001283777  | 1         | Plate                                                                                                      |     |
| 91   | 1001283901  | 1         | Hose, Radiator (Bottom)                                                                                    |     |
| 92   | 1001283918  | 1         | Hose                                                                                                       |     |
| 93   | 1001284407  | 1         | Hose                                                                                                       |     |

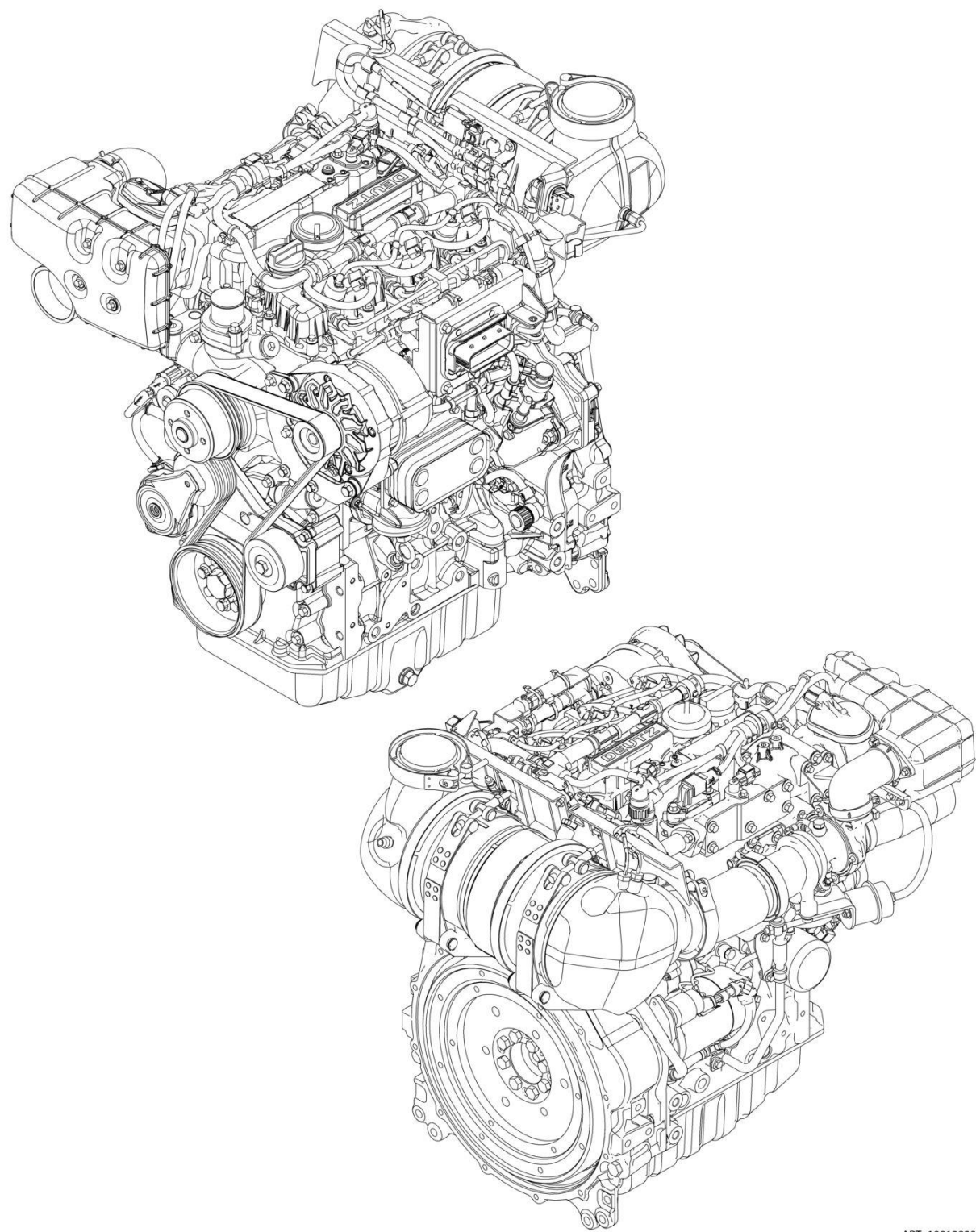
**SECTION 3 - ENGINE**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
| 94   | 1001284529  | 1   | Radiator                 |     |
| 95   | 4240032     | 1   | Tie-Strap (Not Shown)    |     |
| 96   | 1001291401  | 1   | Tag, Coolant (Not Shown) |     |



**SECTION 3 - ENGINE**

**FIGURE 3-8. DEUTZ TD2.2L3 (STAGE V) ENGINE COMPONENTS**



ART\_1001282309

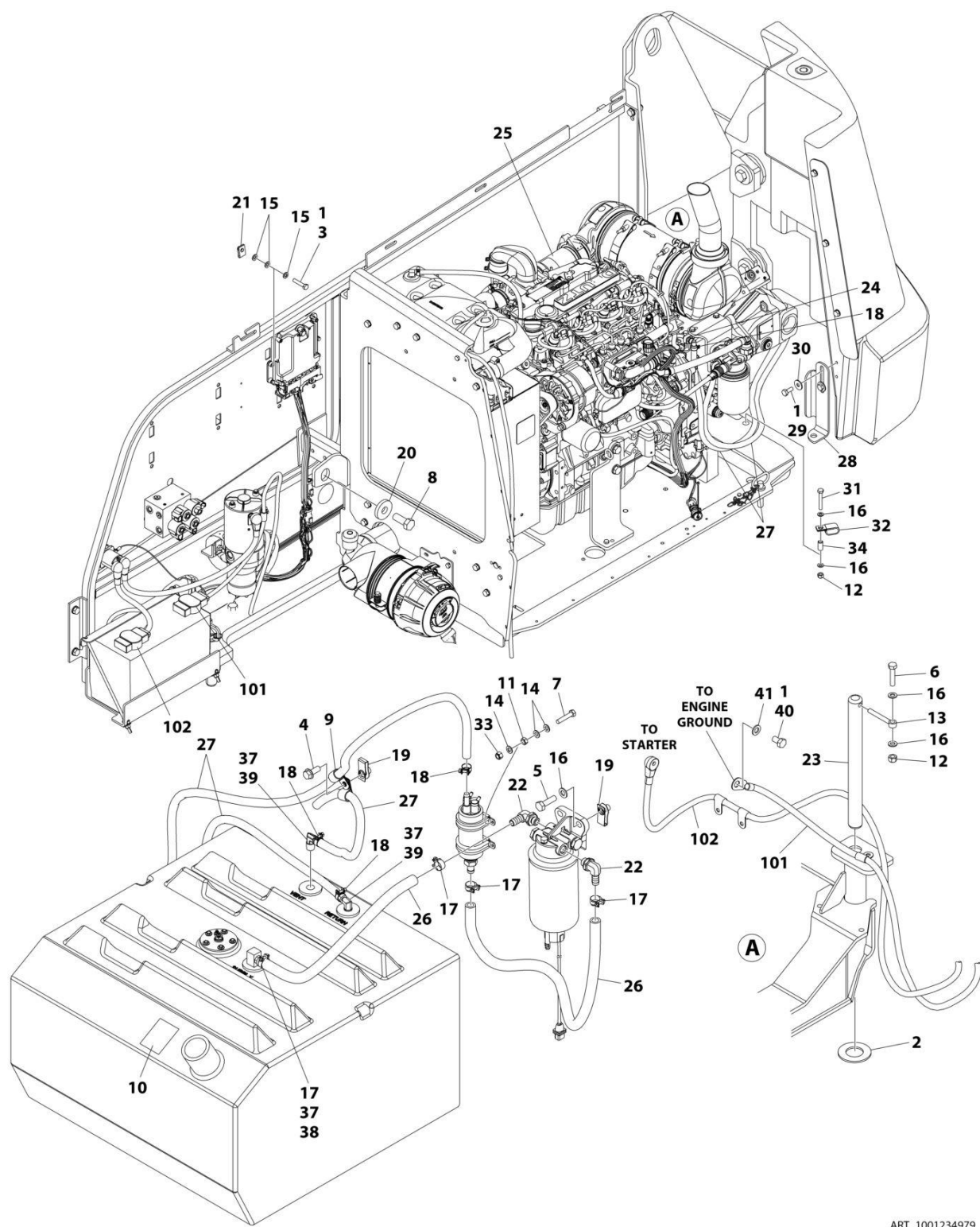
## SECTION 3 - ENGINE

**FIGURE 3-8. DEUTZ TD2.2L3 (STAGE V) ENGINE COMPONENTS**

| ITEM | PART NUMBER | QTY        | DESCRIPTION                                                                      | REV |
|------|-------------|------------|----------------------------------------------------------------------------------|-----|
|      | 1001282309  | Ref<br>Ref | DEUTZ ENGINE COMPONENTS<br>Note: No Service Parts Available At Time of Printing. | A   |

SECTION 3 - ENGINE

FIGURE 3-9. DEUTZ TD2.9L4 EMR4 ENGINE INSTALLATION



ART\_1001234979



## SECTION 3 - ENGINE

**FIGURE 3-9. DEUTZ TD2.9L4 EMR4 ENGINE INSTALLATION**

| ITEM | PART NUMBER | QTY            | DESCRIPTION                                                                                                | REV |
|------|-------------|----------------|------------------------------------------------------------------------------------------------------------|-----|
|      | 1001234979  | Ref            | DEUTZ TD2.9L4 ENGINE INSTALLATION                                                                          | D   |
| 1    | 0100011     | AR             | Compound, Locking                                                                                          |     |
| 2    | 0440162     | 1              | Bearing                                                                                                    |     |
| 3    | 0700614     | 4              | Bolt M6 x 30                                                                                               |     |
| 4    | 5251012     | 1              | Bolt M10 x 25                                                                                              |     |
| 5    | 0701015     | 2              | Bolt M10 x 35                                                                                              |     |
| 6    | 0711018     | 1              | Bolt M10 x 50                                                                                              |     |
| 7    | 0760512     | 4              | Bolt M5 x 25                                                                                               |     |
| 8    | 0772018     | 1              | Bolt M20 x 50                                                                                              |     |
| 9    | 1320061     | 2              | Clamp                                                                                                      |     |
| 10   | 1701505     | 1              | Decal - Diesel Fuel                                                                                        |     |
| 11   | 3290501     | 4              | Nut M5                                                                                                     |     |
| 12   | 3291005     | 2              | Nut M10                                                                                                    |     |
| 13   | 3841143     | 1              | Keeper, Pin                                                                                                |     |
| 14   | 4811600     | 12             | Washer M5                                                                                                  |     |
| 15   | 4811700     | 12             | Washer M6                                                                                                  |     |
| 16   | 4812000     | 6              | Washer M10                                                                                                 |     |
| 17   | 1001175568  | 4              | Clip                                                                                                       |     |
| 18   | 1001136975  | 5              | Clamp                                                                                                      |     |
| 19   | 1001118972  | 3              | Nut, Tinnerman M10                                                                                         |     |
| 20   | 1001119051  | 1              | Washer                                                                                                     |     |
| 21   | 1001130220  | 4              | Nut, Tinnerman M6                                                                                          |     |
| 22   | 1001142501  | 2              | Fitting, 90 Barbed                                                                                         |     |
| 23   | 1001155094  | 1              | Pin                                                                                                        |     |
| 24   | 1001155823  | 1              | Fitting, 90 Quick Connect                                                                                  |     |
| 25   | 1001238266  | 1              | Deutz TD2.9L4 Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)                        |     |
| 26   | 1001154405  | 3 ft/84cm      | Hose                                                                                                       |     |
| 27   | 1001165035  | 27 ft/<br>8.2m | Hose                                                                                                       |     |
| 28   | 1001196398  | 1              | Bracket                                                                                                    |     |
| 29   | 0701012     | 2              | Bolt M10 x 25                                                                                              |     |
| 30   | 4812002     | 2              | Washer M10                                                                                                 |     |
| 31   | 0701022     | 1              | Bolt M10 x 70                                                                                              |     |
| 32   | 1001026127  | 1              | Clamp                                                                                                      |     |
| 33   | 3290505     | 4              | Nut M5                                                                                                     |     |
| 34   | 1001200731  | 1              | Tube                                                                                                       |     |
| 35   | 4240099     | 1              | Tie-Strap (Not Shown)                                                                                      |     |
| 36   | 1001190444  | 1              | Fuel Pump Harness - Deutz TD2.9L4 - 67HP Engine (Not Shown) (See Separate Breakdown in ELECTRICAL Section) |     |
| 37   | 0100020     | AR             | Sealant                                                                                                    |     |
| 38   | 2180832     | 1              | Fitting, Straight Barbed                                                                                   |     |
| 39   | 2220313     | 2              | Fitting, 90 NPTF/Barb                                                                                      |     |
| 40   | 0761210     | 1              | Bolt M12 x 20                                                                                              |     |
| 41   | 4812100     | 1              | Washer M12                                                                                                 |     |
| 100  | 1001235532  | 1              | Battery Cable Kit (Includes Items 47 & 48) (Not Shown)                                                     |     |
| 101  | 1001188668  | 1              | Cable, Battery (-) to Aux Pump and Ground                                                                  |     |
| 102  | 1001188669  | 1              | Cable, Battery (+) to Aux Relay to Starter                                                                 |     |
| 200  | 1001269919  | 1              | Hose Kit (not Shown)                                                                                       |     |

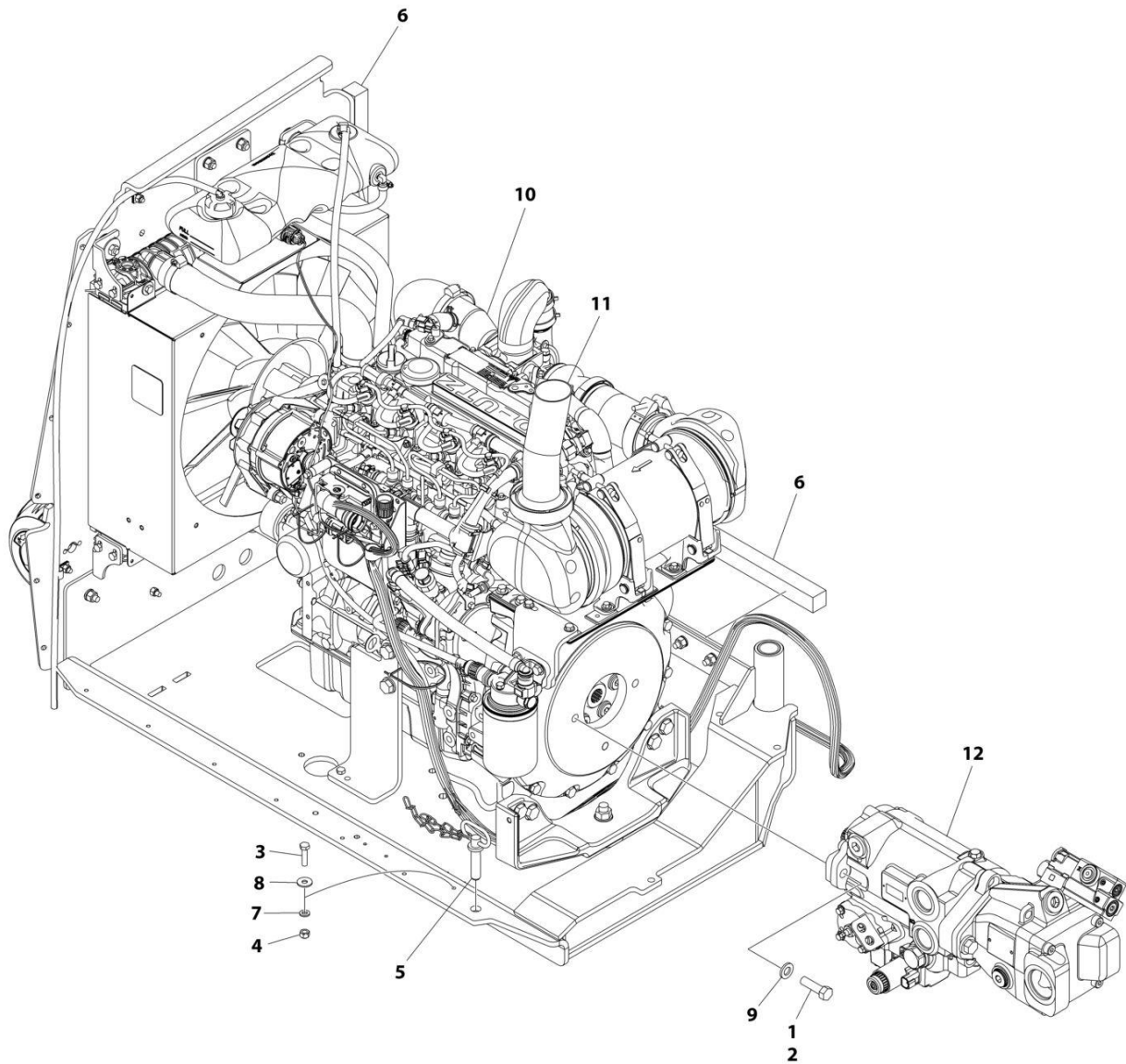
**SECTION 3 - ENGINE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                         | REV |
|------|-------------|-----|---------------------------------------------------------------------|-----|
| 201  | 1001192690  | 1   | Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)  |     |
| 202  | 1001203431  | 1   | Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown) |     |
| 203  | 1001203432  | 1   | Hose (Drive Suction) (Not Shown)                                    |     |
| 204  | 1001203433  | 1   | Hose (Function Suction) (Not Shown)                                 |     |



SECTION 3 - ENGINE

FIGURE 3-10. DEUTZ TD2.9L4 EMR4 ENGINE AND PUMPS SUB-ASSEMBLY



ART\_1001238266

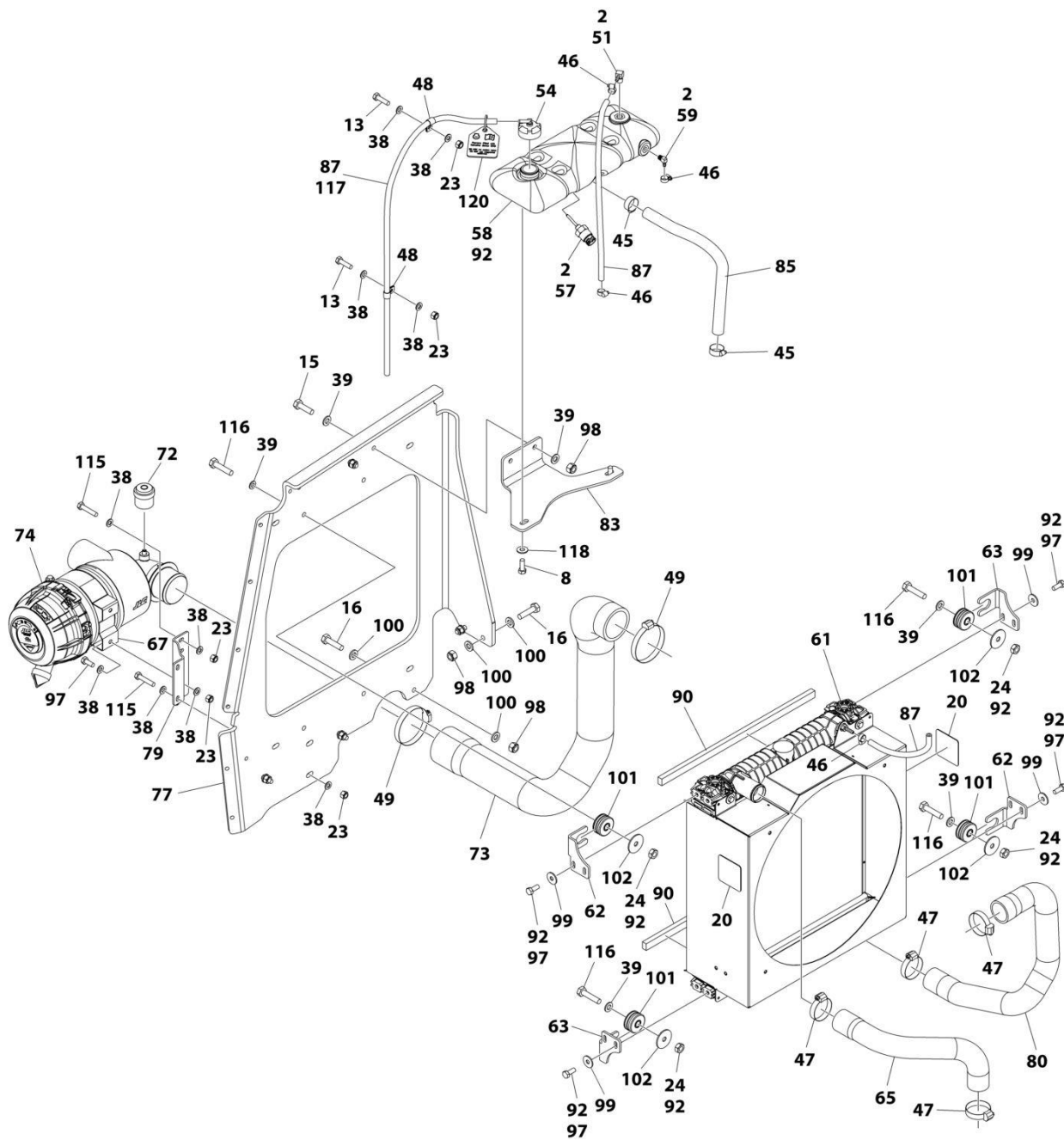
## SECTION 3 - ENGINE

**FIGURE 3-10. DEUTZ TD2.9L4 EMR4 ENGINE AND PUMPS SUB-ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                   | REV |
|------|-------------|-----|-------------------------------------------------------------------------------|-----|
|      | 1001238266  | Ref | DEUTZ TD2.9L4 ENGINE AND PUMPS SUB-ASSEMBLY                                   | C   |
| 1    | 0100011     | AR  | Compound, Locking                                                             |     |
| 2    | 0641814     | 2   | Bolt 1/2 x 1-3/4                                                              |     |
| 3    | 0760612     | 1   | Bolt M6 x 25                                                                  |     |
| 4    | 3290605     | 1   | Nut M6                                                                        |     |
| 5    | 3422532     | 1   | Pin                                                                           |     |
| 6    | 3960469     | 2   | Seal                                                                          |     |
| 7    | 4811700     | 1   | Washer M6                                                                     |     |
| 8    | 4811702     | 1   | Washer M6                                                                     |     |
| 9    | 5241200     | 2   | Washer M12                                                                    |     |
| 10   | 1001186812  | 1   | Deutz TD2.9L4 - 67HP Engine Assembly (See Separate Breakdown in this Section) |     |
| 11   | 1001239207  | 1   | Pipe, Exhaust                                                                 |     |
| 12   | 1001239601  | 1   | Pumps Assembly (See Separate Breakdown in this Section)                       |     |

SECTION 3 - ENGINE

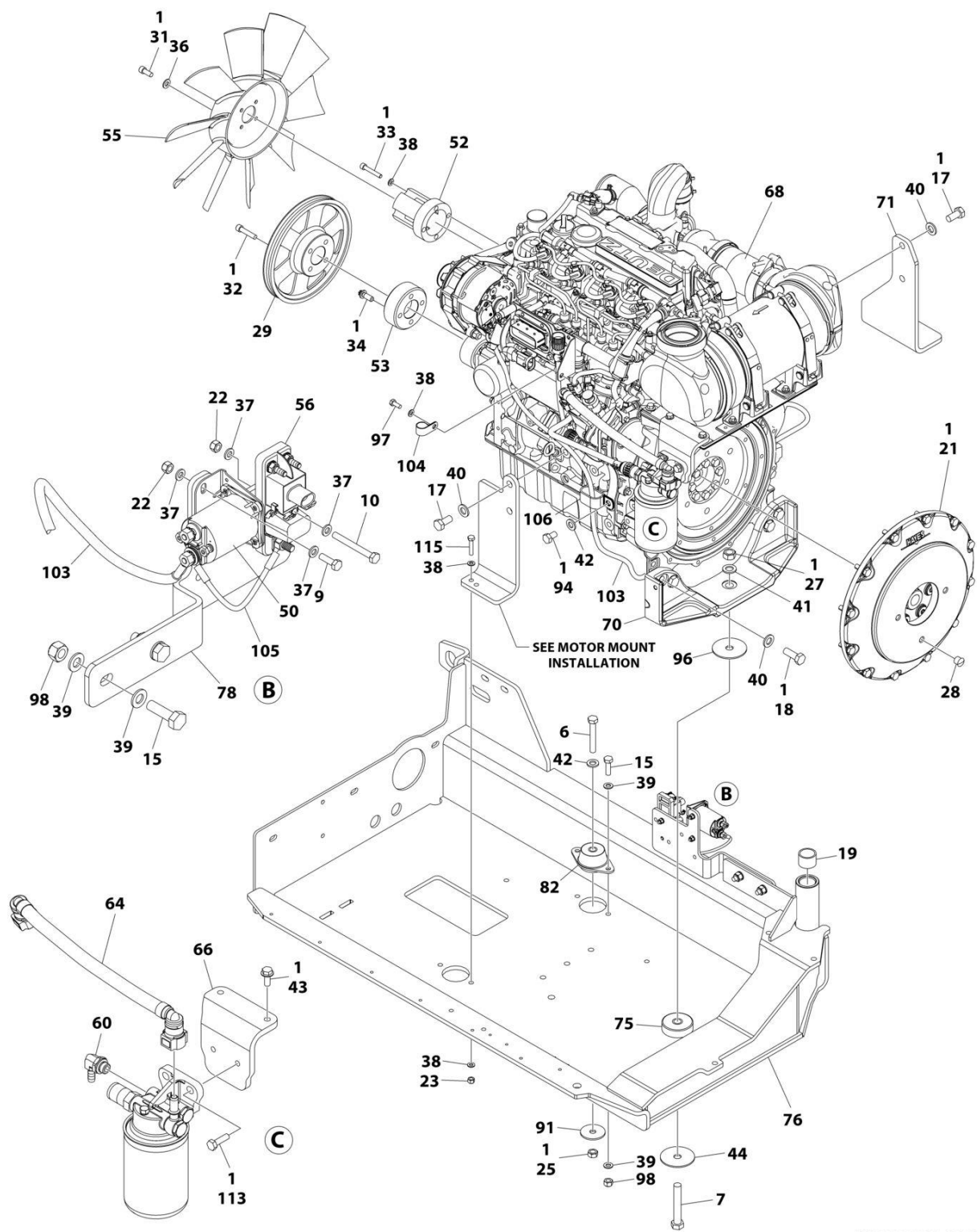
FIGURE 3-11. DEUTZ TD2.9L4 EMR4 ENGINE ASSEMBLY





SECTION 3 - ENGINE

FIGURE 3-12. DEUTZ TD2.9L4 EMR4 ENGINE ASSEMBLY



ART\_1001186812\_AA\_2OF2



## SECTION 3 - ENGINE

**FIGURE 3-12. DEUTZ TD2.9L4 EMR4 ENGINE ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                | REV |
|------|-------------|-----|------------------------------------------------------------|-----|
|      | 1001186812  | Ref | DEUTZ TD2.9L4 - 67HP ENGINE ASSEMBLY                       | AA  |
| 1    | 0100011     | AR  | Compound, Locking                                          |     |
| 2    | 0100020     | AR  | Sealant                                                    |     |
| 6    | 0711224     | 1   | Bolt M12 x 80                                              |     |
| 7    | 0711627     | 1   | Bolt M16 x 100                                             |     |
| 8    | 0681608     | 2   | Bolt 3/8 x 1                                               |     |
| 9    | 0760610     | 2   | Bolt M6 x 20                                               |     |
| 10   | 0760619     | 1   | Bolt M6 x 55                                               |     |
| 13   | 0760814     | AR  | Bolt M8 x 30                                               |     |
| 15   | 0761015     | 6   | Bolt M10 x 35                                              |     |
| 16   | 0761016     | 5   | Bolt M10 x 40                                              |     |
| 17   | 0771414     | 4   | Bolt M14 x 30                                              |     |
| 18   | 0771416     | 4   | Bolt M14 x 40                                              |     |
| 19   | 0961951     | 2   | Bushing                                                    |     |
| 20   | 1703162     | 2   | Decal - Fan Blade                                          |     |
| 21   | 2902065     | 1   | Pump Coupling Kit (See Separate Breakdown in this Section) |     |
| 22   | 3290605     | AR  | Nut M6                                                     |     |
| 23   | 3290805     | AR  | Nut M8                                                     |     |
| 24   | 3291001     | 4   | Nut M10                                                    |     |
| 25   | 3331211     | 1   | Nut M12                                                    |     |
| 27   | 3331611     | 1   | Nut M16                                                    |     |
| 28   | 3520054     | 1   | Plug                                                       |     |
| 29   | 3580320     | 1   | Pulley                                                     |     |
| 31   | 3931512     | 4   | Capscrew 5/16 x 3/4                                        |     |
| 32   | 3931628     | 4   | Capscrew 3/8 x 1-3/4                                       |     |
| 33   | 4031914     | 4   | Capscrew M8 x 50                                           |     |
| 34   | 4032014     | 4   | Capscrew M10 x 50                                          |     |
| 36   | 4711500     | 4   | Washer 5/16                                                |     |
| 37   | 4811700     | AR  | Washer M6                                                  |     |
| 38   | 4811900     | AR  | Washer M8                                                  |     |
| 39   | 4812000     | 20  | Washer M10                                                 |     |
| 40   | 5241400     | 8   | Washer M14                                                 |     |
| 41   | 4812300     | 1   | Washer M16                                                 |     |
| 42   | 5241200     | 2   | Washer M12                                                 |     |
| 43   | 5250810     | 2   | Bolt M8 x 20                                               |     |
| 44   | 7300435     | 1   | Washer                                                     |     |
| 45   | 8405007     | 2   | Clamp                                                      |     |
| 46   | 8405009     | 4   | Clamp                                                      |     |
| 47   | 8405104     | 4   | Clamp                                                      |     |
| 48   | 8406109     | AR  | Clip                                                       |     |
| 49   | 8410011     | 2   | Clamp                                                      |     |
| 50   | 1001117308  | 1   | Contactactor                                               |     |
| 51   | 1001134488  | 1   | Fitting, 90 Barbed (Part of Item 58)                       |     |
| 52   | 1001135138  | 1   | Adapter, Fan                                               |     |
| 53   | 1001135679  | 1   | Adapter                                                    |     |
| 54   | 1001136834  | 1   | Cap, Tank                                                  |     |
| 55   | 1001137276  | 1   | Fan                                                        |     |
| 56   | 1001138228  | 1   | Relay                                                      |     |
| 57   | 1001138827  | 1   | Sensor, Coolant Level (Part of Item 58)                    |     |
| 58   | 1001230635  | 1   | Tank, Surge (Include Items 51, 57 & 59)                    |     |

## SECTION 3 - ENGINE

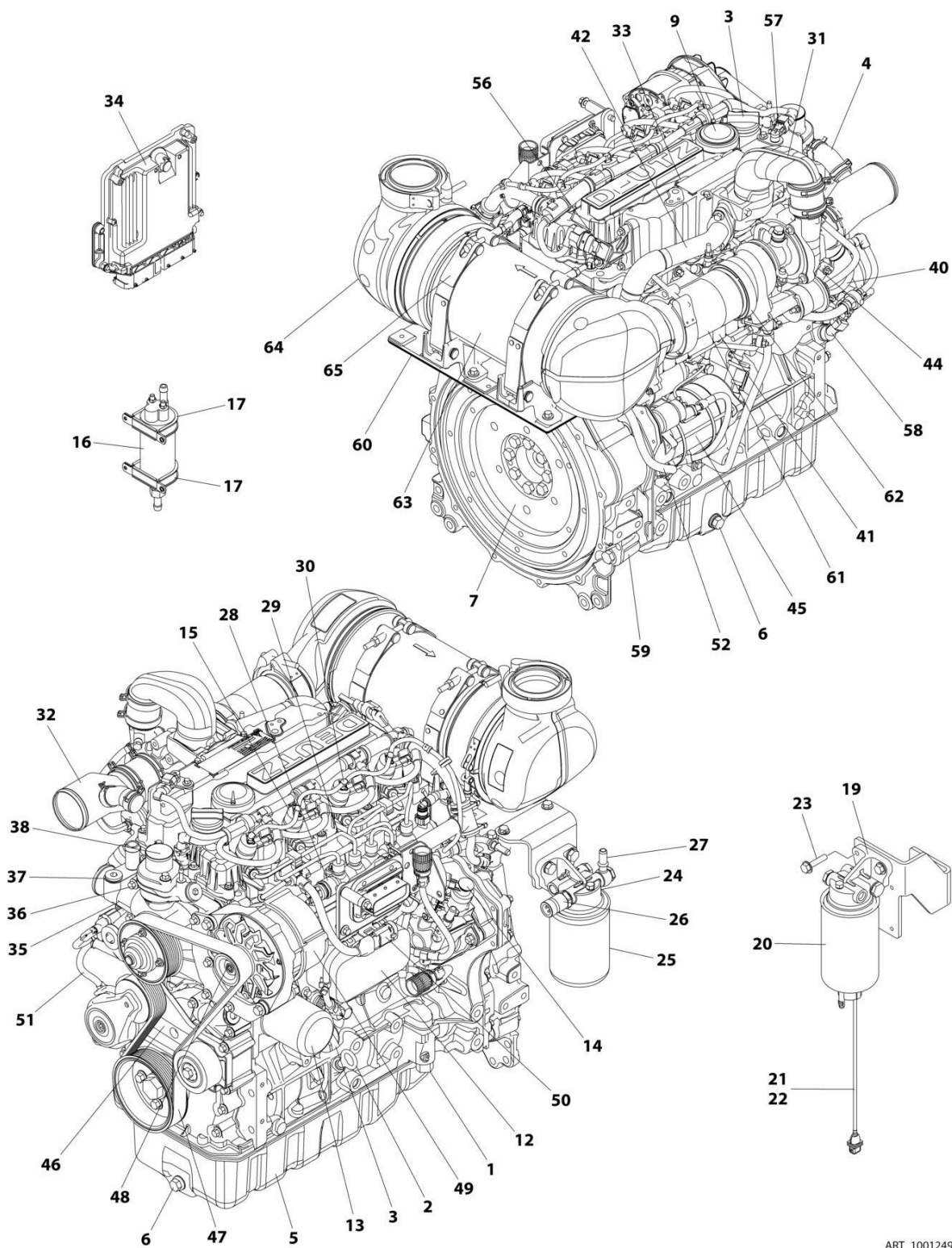
| ITEM | PART NUMBER | QTY       | DESCRIPTION                                                                                              | REV |
|------|-------------|-----------|----------------------------------------------------------------------------------------------------------|-----|
| 59   | 1001140564  | 1         | Fitting, 90 Barbed (Part of Item 58)                                                                     |     |
| 60   | 1001152489  | 1         | Fitting, 90 Barbed                                                                                       |     |
| 61   | 1001167042  | 1         | Radiator                                                                                                 |     |
| 62   | 1001169967  | 2         | Bracket                                                                                                  |     |
| 63   | 1001170035  | 2         | Bracket                                                                                                  |     |
| 64   | 1001177359  | 1         | Hose                                                                                                     |     |
| 65   | 1001177844  | 1         | Hose, Radiator (Top)                                                                                     |     |
| 66   | 1001231805  | 1         | Mount                                                                                                    |     |
| 67   | 1001186426  | 1         | Clamp, Air Cleaner                                                                                       |     |
| 68   | 1001249943  | 1         | Deutz TD2.9L4 - 67HP Engine (See Separate Breakdown in this Section)                                     |     |
| 69   | 1001233895  | 1         | Engine Harness - Deutz TD2.9L4 - 67HP Engines (Not Shown - See Separate Breakdown in ELECTRICAL Section) |     |
| 70   | 1001188535  | 1         | Bracket, Engine - Rear                                                                                   |     |
| 71   | 1001189026  | 1         | Bracket, Engine - Right                                                                                  |     |
| 72   | 1001166716  | 1         | Restriction, Indicator                                                                                   |     |
| 73   | 1001189913  | 1         | Hose                                                                                                     |     |
| 74   | 1001189979  | 1         | Filter, Air                                                                                              |     |
| 74   | 70005008    | 1         | Element, Filter                                                                                          |     |
| 75   | 1001190164  | 1         | Mount, Motor                                                                                             |     |
| 76   | 1001200745  | 1         | Tray                                                                                                     |     |
| 77   | 1001229091  | 1         | Support, Radiator                                                                                        |     |
| 78   | 1001203885  | 1         | Plate                                                                                                    |     |
| 79   | 1001190942  | 1         | Support                                                                                                  |     |
| 80   | 1001191025  | 1         | Hose, Radiator (Bottom)                                                                                  |     |
| 82   | 1001191610  | 1         | Mount, Motor                                                                                             |     |
| 83   | 1001192400  | 1         | Bracket                                                                                                  |     |
| 85   | 1001193049  | 1         | Hose                                                                                                     |     |
| 87   | 2720015     | AR        | Hose                                                                                                     |     |
| 90   | 1001168166  | 2         | Seal                                                                                                     |     |
| 91   | 1001168018  | 1         | Washer                                                                                                   |     |
| 92   | 1001180620  | AR        | Adhesive                                                                                                 |     |
| 94   | 0761210     | 1         | Bolt M12 x 20                                                                                            |     |
| 96   | 1001197725  | 1         | Spacer                                                                                                   |     |
| 97   | 0760810     | 11        | Bolt M8 x 20                                                                                             |     |
| 98   | 3291005     | 11        | Nut M10                                                                                                  |     |
| 99   | 4811902     | 8         | Washer M8                                                                                                |     |
| 100  | 5241000     | 10        | Washer M10                                                                                               |     |
| 101  | 1001169054  | 4         | Isolator                                                                                                 |     |
| 102  | 1001169138  | 4         | Pad, Snubbing                                                                                            |     |
| 103  | 1001190442  | 1         | Harness, Alternator Power                                                                                |     |
| 103  | 1001098764  | 1         | Boot - Red                                                                                               |     |
| 104  | 1320202     | 1         | Clamp                                                                                                    |     |
| 105  | 1001141304  | 1         | Harness, Glow Fuse                                                                                       |     |
| 106  | 1001181899  | 1         | Clamp                                                                                                    |     |
| 108  | 4240099     | 1         | Tie-Strap (Not Shown)                                                                                    |     |
| 113  | 5251012     | 2         | Bolt M10 x 25                                                                                            |     |
| 115  | 0760816     | 3         | Bolt M8 x 40                                                                                             |     |
| 116  | 0761017     | 4         | Bolt M10 x 45                                                                                            |     |
| 117  | 1001138248  | 4 ft /2 m | Tube                                                                                                     |     |
| 118  | 4751600     | 2         | Washer 3/8                                                                                               |     |
| 119  | 4240032     | 1         | Tie-Strap (Not Shown)                                                                                    |     |

## SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION  | REV |
|------|-------------|-----|--------------|-----|
| 120  | 1001291401  | 1   | Tag, Coolant |     |

SECTION 3 - ENGINE

FIGURE 3-13. DEUTZ TD2.9L4 EMR4 ENGINE COMPONENTS



ART\_1001249943

## SECTION 3 - ENGINE

**FIGURE 3-13. DEUTZ TD2.9L4 EMR4 ENGINE COMPONENTS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                              | REV |
|------|-------------|-----|------------------------------------------|-----|
|      | 1001249943  | Ref | ENGINE ASSEMBLY                          | A   |
| 1    | 70006265    | 1   | Spring                                   |     |
| 1    | 70006266    | 1   | Seal                                     |     |
| 1    | 70025660    | 1   | Plug                                     |     |
| 1    | 70006264    | 1   | Valve, Plunger                           |     |
| 2    | 70024904    | 1   | Dipstick                                 |     |
| 2    | 70024905    | 2   | Seal                                     |     |
| 3    | 7020465     | 1   | Cap, Fill                                |     |
| 4    | 70005920    | 1   | Line, Breather                           |     |
| 4    | 70025111    | 2   | Clamp                                    |     |
| 5    | 70025162    | 1   | Oil Pan                                  |     |
| 6    | 70005942    | 1   | Seal                                     |     |
| 6    | 70005941    | 1   | Plug                                     |     |
| 7    | 70001870    | 1   | Flywheel                                 |     |
| 7    | 7024579     | 1   | Ring Gear                                |     |
| 7    | 70025139    | 8   | Bolt                                     |     |
| 8    | 70024906    | 1   | Gasket, Cylinder Head (Not Shown)        |     |
| 9    | 70005921    | 1   | Valve Cover                              |     |
| 9    | 70025205    | 1   | Gasket                                   |     |
| 10   |             | Ref | Gasket & Seal Options (Not Shown)        |     |
| 10   | 70005938    | 1   | Gasket Kit                               |     |
| 10   | 70005171    | 1   | Gasket                                   |     |
| 10   | 70002718    | 1   | Seal, Rear Main                          |     |
| 10   | 70028185    | 1   | Gasket, Front Cover                      |     |
| 10   | 70004280    | 1   | Seal, Front Main                         |     |
| 11   | 70005172    | 1   | Pump, Lube (Not Shown - Located RH Rear) |     |
| 11   | 70025125    | 4   | Bolt                                     |     |
| 11   | 70025135    | 1   | O-Seal                                   |     |
| 11   | 70005173    | 1   | Gasket                                   |     |
| 12   | 70024494    | 1   | Cooler, Oil                              |     |
| 12   | 70024925    | 1   | Gasket, Oil Filter                       |     |
| 12   | 70025125    | 6   | Bolt                                     |     |
| 13   | 70025137    | 1   | Bushing, Oil Filter                      |     |
| 13   | 7016331     | 1   | Filter, Oil                              |     |
| 14   | 70024924    | 1   | Pump, High Pressure                      |     |
| 14   | 70024517    | 1   | Gasket (Spacer to Block)                 |     |
| 14   | 70025104    | 3   | Nut                                      |     |
| 14   | 70025152    | 1   | Gasket (Spacer to Pump)                  |     |
| 14   | 70004505    | 1   | Valve, Overflow                          |     |
| 14   | 70004506    | 1   | Gasket, Overflow                         |     |
| 14   | 70004507    | 1   | Gasket, Overflow                         |     |
| 14   | 70004508    | 1   | Valve, Volume Control                    |     |
| 14   | 70004509    | 1   | Seal, Ring                               |     |
| 14   | 70004510    | 1   | Gasket                                   |     |
| 14   | 70027415    | 2   | Bolt                                     |     |
| 15   | 70025181    | 4   | Injector                                 |     |
| 15   | 70025140    | 4   | Washer, Sealing                          |     |
| 15   | 70025146    | 4   | Clamp                                    |     |
| 15   | 70025145    | 4   | O-Seal                                   |     |
| 15   | 70025154    | 4   | Shoe/Pad, Clamping                       |     |

## SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION                    | REV |
|------|-------------|-----|--------------------------------|-----|
| 15   | 70025147    | 4   | Bolt                           |     |
| 16   | 70006144    | 1   | Pump, Fuel Supply              |     |
| 17   | 70025144    | 2   | Clip, Clamp                    |     |
| 18   | 70029393    | 2   | Receptacle Plug (Not Shown)    |     |
| 19   | 70024961    | 1   | Fuel Filter Assembly           |     |
| 20   | 1001225430  | 1   | Element, Filter                |     |
| 21   | 70024513    | 1   | Cable, Sensor                  |     |
| 22   | 70025239    | 1   | Seal, Ring                     |     |
| 23   | 70025121    | 4   | Bolt                           |     |
| 24   | 70029451    | 1   | Fuel Filter Assembly           |     |
| 25   | 1001225431  | 1   | Element, Filter                |     |
| 26   | 70028538    | 1   | Cable, Sensor                  |     |
| 26   | 70024920    | 1   | O-Seal                         |     |
| 27   | 70004513    | 2   | Seal (at Hollow Bolt)          |     |
| 28   | 70025151    | 1   | Rail, Fuel                     |     |
| 28   | 70028186    | 2   | Bolt                           |     |
| 28   | 70025235    | 1   | Repair Kit - Fuel Rail         |     |
| 28   | 70025240    | 1   | O-Ring                         |     |
| 29   | 70025182    | 1   | Tube, Fuel - Cylinders 1 & 2   |     |
| 29   | 70025183    | 1   | Tube, Fuel - Cylinders 3 & 4   |     |
| 29   | 70025184    | 1   | Tube, Fuel                     |     |
| 30   | 70024502    | 1   | Pipe, Fuel Leakage             |     |
| 30   | 70025185    | 1   | Hose, Fuel                     |     |
| 30   | 70025158    | 1   | Manifold                       |     |
| 30   | 70025109    | 2   | Clamp, Spring                  |     |
| 30   | 70025115    | 1   | Clamp                          |     |
| 30   | 70001655    | 1   | Bolt                           |     |
| 30   | 70025101    | 2   | Clamp                          |     |
| 30   | 70025148    | 1   | Connector, Plug-in             |     |
| 31   | 70005928    | 1   | Elbow, Air Charge              |     |
| 31   | 70025122    | 2   | Bolt                           |     |
| 32   | 70004501    | 1   | Sleeve, Rubber                 |     |
| 32   | 70025112    | 2   | Clamp                          |     |
| 32   | 70005926    | 1   | Elbow                          |     |
| 33   | 70005176    | 1   | O-Ring                         |     |
| 33   | 70005177    | 1   | Gasket, Charger Air Manifold   |     |
| 33   | 70005178    | 2   | Bolt                           |     |
| 33   | 70005179    | 9   | Bolt                           |     |
| 34   | 70025210    | 1   | Module, ECU                    |     |
| 35   | 70029797    | 1   | Pump, Coolant                  |     |
| 35   | 70025200    | 1   | Ring, Sealing (Pump to Block)  |     |
| 35   | 70007325    | 1   | Gasket, Coolant Pump           |     |
| 36   | 70025129    | 4   | Bolt                           |     |
| 37   | 7020492     | 2   | Ring, Sealing                  |     |
| 38   | 70005929    | 1   | Thermostat                     |     |
| 38   | 70005184    | 1   | O-Seal (Thermostat to Housing) |     |
| 38   | 70025142    | 1   | Cover, Thermostat              |     |
| 38   | 70025124    | 2   | Bolt                           |     |
| 38   | 70005931    | 1   | O-Seal (Thermostat to Pump)    |     |
| 39   | 70004282    | 1   | Manifold, Exhaust (Not Shown)  |     |
| 39   | 70025130    | 8   | Bolt, Manifold (Not Shown)     |     |

## SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION                                      | REV |
|------|-------------|-----|--------------------------------------------------|-----|
| 39   | 70025164    | 1   | Gasket, Manifold to Head (Not Shown)             |     |
| 40   | 70025179    | 1   | Gasket, Manifold to Elbow                        |     |
| 40   | 70007354    | 1   | Gasket, Elbow End                                |     |
| 41   | 70007326    | 1   | Gasket, EGR                                      |     |
| 41   | 70007327    | 1   | Valve, EGR Control                               |     |
| 41   | 70027428    | 4   | Bolt                                             |     |
| 41   | 70025106    | 4   | Bolt, EGR Module                                 |     |
| 41   | 70025155    | 2   | Plug, EGR                                        |     |
| 41   | 70025696    | 2   | Bolt, EGR Valve Housing                          |     |
| 42   | 70029557    | 2   | Gasket, Exhaust Pipe                             |     |
| 42   | 70025098    | 4   | Bolt, Exhaust Pipe                               |     |
| 43   | 70024912    | 1   | Gasket, Exhaust Manifold (Not Shown)             |     |
| 43   | 70025676    | 4   | Bolt, Exhaust Manifold (Not Shown)               |     |
| 44   | 70004276    | 1   | Turbocharger                                     |     |
| 44   | 70024509    | 1   | Gasket (Turbocharger to Oil Return Tube Housing) |     |
| 44   | 70025095    | 2   | Bolt, Turbocharger                               |     |
| 44   | 70006294    | 1   | O-Seal                                           |     |
| 45   | 70024915    | 1   | Starter                                          |     |
| 45   | 70005647    | 1   | Switch, Solenoid                                 |     |
| 45   | 70005648    | 1   | Relay                                            |     |
| 45   | 70025099    | 2   | Starter Bolt                                     |     |
| 46   | 70028699    | 1   | Belt Tensioner                                   |     |
| 47   | 70004277    | 1   | Belt                                             |     |
| 48   | 70025733    | 1   | Pulley, Alternator                               |     |
| 49   | 70006652    | 1   | Generator                                        |     |
| 49   | 70006653    | 1   | Voltage, Regulator                               |     |
| 49   | 70029015    | 1   | Fan                                              |     |
| 49   | 70029402    | 1   | Nut, Pulley                                      |     |
| 49   | 70029403    | 1   | Nut                                              |     |
| 49   | 70029404    | 1   | Washer                                           |     |
| 50   | 70025231    | 1   | Harness, Glow Plug                               |     |
| 50   | 70025233    | 1   | Connector, Plug-in                               |     |
| 50   | 70000345    | 4   | Glow Plug (Not Shown)                            |     |
| 51   | 70025226    | 1   | Plug-In Connector                                |     |
| 51   | 70007086    | 4   | Plug-In Connector                                |     |
| 51   | 70007087    | 5   | Plug-In Connector                                |     |
| 51   | 70007088    | 1   | Plug-In Connector                                |     |
| 51   | 70007089    | 1   | Plug-In Connector                                |     |
| 51   | 70027440    | 1   | Plug-In Connector                                |     |
| 51   | 70025221    | 2   | Plug-In Connector                                |     |
| 51   | 70025327    | 1   | Plug-In Connector                                |     |
| 51   | 70025216    | 1   | Adapter                                          |     |
| 51   | 70025215    | 1   | Fixing, Bracket                                  |     |
| 51   | 70025134    | 4   | Screw                                            |     |
| 51   | 70025165    | 1   | Retaining Plate                                  |     |
| 51   | 70025228    | 2   | Bracket                                          |     |
| 51   | 70025229    | 1   | Wire Fastener                                    |     |
| 51   | 70025217    | 4   | Clamping Band                                    |     |
| 51   | 70025224    | 3   | Clamping Band                                    |     |
| 51   | 70025225    | 2   | Support, Cable                                   |     |
| 51   | 70027446    | 1   | Clamp, Support                                   |     |

## SECTION 3 - ENGINE

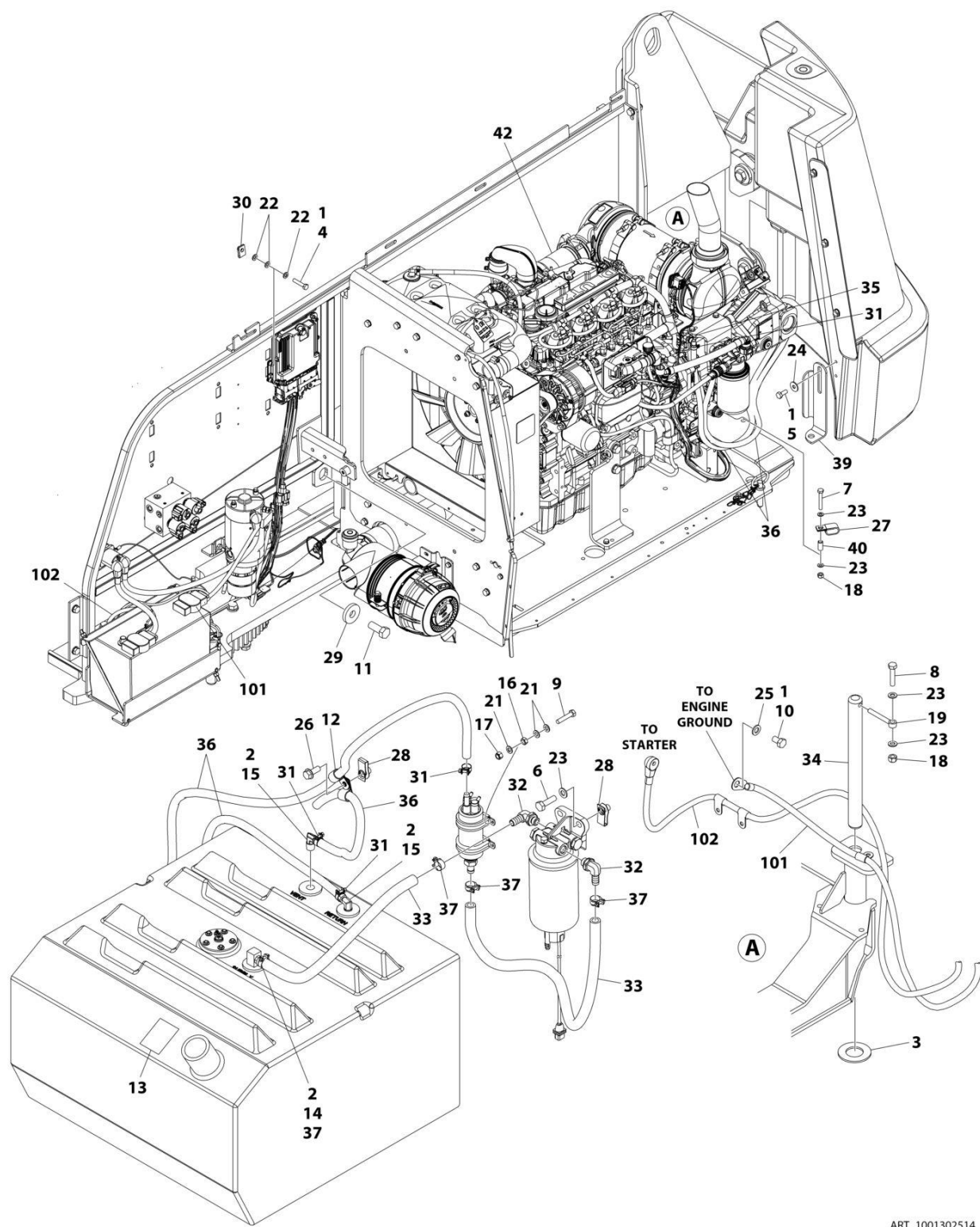
| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
| 51   | 70025214    | 1   | Cover, Cap                      |     |
| 52   | 70025166    | 1   | Angle, Support                  |     |
| 52   | 70001655    | 1   | Bolt                            |     |
| 52   | 70025126    | 6   | Bolt                            |     |
| 53   | 70028540    | 1   | Sender, Temperature (Not Shown) |     |
| 54   | 70028538    | 1   | Sensor, Pressure (Not Shown)    |     |
| 54   | 70024920    | 1   | O-Seal                          |     |
| 55   | 70026210    | 1   | Tacho-Generator (Not Shown)     |     |
| 55   | 70005191    | 1   | Ring, Seal                      |     |
| 56   | 70005179    | 2   | Bolt                            |     |
| 56   | 70005933    | 1   | Adapter                         |     |
| 56   | 70005934    | 1   | O-Seal                          |     |
| 56   | 70024507    | 1   | Sensor, Pressure                |     |
| 56   | 70025120    | 1   | O-Seal                          |     |
| 56   | 70001655    | 2   | Bolt                            |     |
| 57   | 70024922    | 1   | Sender, Temperature             |     |
| 57   | 70025212    | 1   | O-Seal                          |     |
| 58   | 70025128    | 1   | Bolt                            |     |
| 58   | 70026210    | 1   | Sensor, Speed                   |     |
| 58   | 70024917    | 1   | O-Seal                          |     |
| 59   | 70025192    | 1   | Housing                         |     |
| 59   | 70025113    | 2   | Straight, Pin                   |     |
| 59   | 70025108    | 4   | Bolt                            |     |
| 60   | 70005935    | 1   | Bracket                         |     |
| 60   | 70005936    | 4   | Bolt                            |     |
| 61   | 70004504    | 1   | Compensator                     |     |
| 61   | 70025242    | 1   | Gasket                          |     |
| 62   | 70005527    | 1   | Clip                            |     |
| 62   | 70029433    | 1   | Clip                            |     |
| 62   | 70025788    | 1   | Nut, Clip                       |     |
| 63   | 70007355    | 1   | Inlet, Muffler                  |     |
| 63   | 70029517    | 1   | Clip                            |     |
| 63   | 70029250    | 1   | Gasket, Inlet                   |     |
| 64   | 70007331    | 1   | Outlet, Muffler                 |     |
| 64   | 70029517    | 1   | Clip                            |     |
| 64   | 70029250    | 1   | Gasket, Outlet                  |     |
| 65   | 70029415    | 2   | Bracket, Muffler                |     |
| 65   | 70025098    | 8   | Bolt                            |     |





SECTION 3 - ENGINE

FIGURE 3-14. DEUTZ TD2.9L4 EMR5 ENGINE INSTALLATION



ART\_1001302514

## SECTION 3 - ENGINE

**FIGURE 3-14. DEUTZ TD2.9L4 EMR5 ENGINE INSTALLATION**

| ITEM | PART NUMBER | QTY          | DESCRIPTION                                                                         | REV |
|------|-------------|--------------|-------------------------------------------------------------------------------------|-----|
|      | 1001302514  | Ref          | DEUTZ TD2.9L4 EMR5 ENGINE INSTALLATION                                              | A   |
| 1    | 0100011     | AR           | Compound, Locking                                                                   |     |
| 2    | 0100020     | AR           | Sealant                                                                             |     |
| 3    | 0440162     | 1            | Bearing                                                                             |     |
| 4    | 0700614     | 4            | Bolt M6 x 30                                                                        |     |
| 5    | 0701012     | 2            | Bolt M10 x 25                                                                       |     |
| 6    | 0701015     | 2            | Bolt M10 x 35                                                                       |     |
| 7    | 0701022     | 1            | Bolt M10 x 70                                                                       |     |
| 8    | 0711018     | 1            | Bolt M10 x 50                                                                       |     |
| 9    | 0760512     | 4            | Bolt M5 x 25                                                                        |     |
| 10   | 0761210     | 1            | Bolt M12 x 20                                                                       |     |
| 11   | 0772018     | 1            | Bolt M20 x 50                                                                       |     |
| 12   | 1320061     | 2            | Clamp                                                                               |     |
| 13   | 1701505     | 1            | Decal - Diesel                                                                      |     |
| 14   | 2180832     | 1            | Fitting, Straight Barbed                                                            |     |
| 15   | 2220313     | 2            | Fitting, 90 NPTF/Barb                                                               |     |
| 16   | 3290501     | 4            | Nut M5                                                                              |     |
| 17   | 3290505     | 4            | Nut M5                                                                              |     |
| 18   | 3291005     | 2            | Nut M10                                                                             |     |
| 19   | 3841143     | 1            | Keeper, Pin                                                                         |     |
| 20   | 4240099     | AR           | Tie-Strap (Not Shown)                                                               |     |
| 21   | 4811600     | 12           | Washer M5                                                                           |     |
| 22   | 4811700     | 12           | Washer M6                                                                           |     |
| 23   | 4812000     | 6            | Washer M10                                                                          |     |
| 24   | 4812002     | 2            | Washer M10                                                                          |     |
| 25   | 4812100     | 1            | Washer M12                                                                          |     |
| 26   | 5251012     | 1            | Bolt M10 x 25                                                                       |     |
| 27   | 1001026127  | 1            | Clamp                                                                               |     |
| 28   | 1001118972  | 3            | Nut, Tinnerman M10                                                                  |     |
| 29   | 1001119051  | 1            | Washer                                                                              |     |
| 30   | 1001130220  | 4            | Nut, Tinnerman M6                                                                   |     |
| 31   | 1001136975  | 5            | Clamp                                                                               |     |
| 32   | 1001142501  | 2            | Fitting, 90 Barbed                                                                  |     |
| 33   | 1001154405  | 3 ft /84 cm  | Hose                                                                                |     |
| 34   | 1001155094  | 1            | Pin                                                                                 |     |
| 35   | 1001155823  | 1            | Coupling                                                                            |     |
| 36   | 1001165035  | 27 ft /8.2 m | Hose                                                                                |     |
| 37   | 1001175568  | 4            | Clip                                                                                |     |
| 38   | 1001190444  | 1            | Fuel Pump Harness (Not Shown) (See Separate Breakdown in ELECTRICAL Section)        |     |
| 39   | 1001196398  | 1            | Bracket                                                                             |     |
| 40   | 1001200731  | 1            | Tube                                                                                |     |
| 41   | 1001289594  | 1            | ECU Power Jumper Harness (Not Shown) (See Separate Breakdown in ELECTRICAL Section) |     |
| 42   | 1001302395  | 1            | Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)               |     |
| 100  | 1001235532  | 1            | Battery Cable Kit                                                                   |     |
| 101  | 1001188668  | 1            | Cable, Battery (-) to Aux Pump and Ground                                           |     |
| 102  | 1001188669  | 1            | Cable, Battery (+) to Aux Relay to Starter                                          |     |

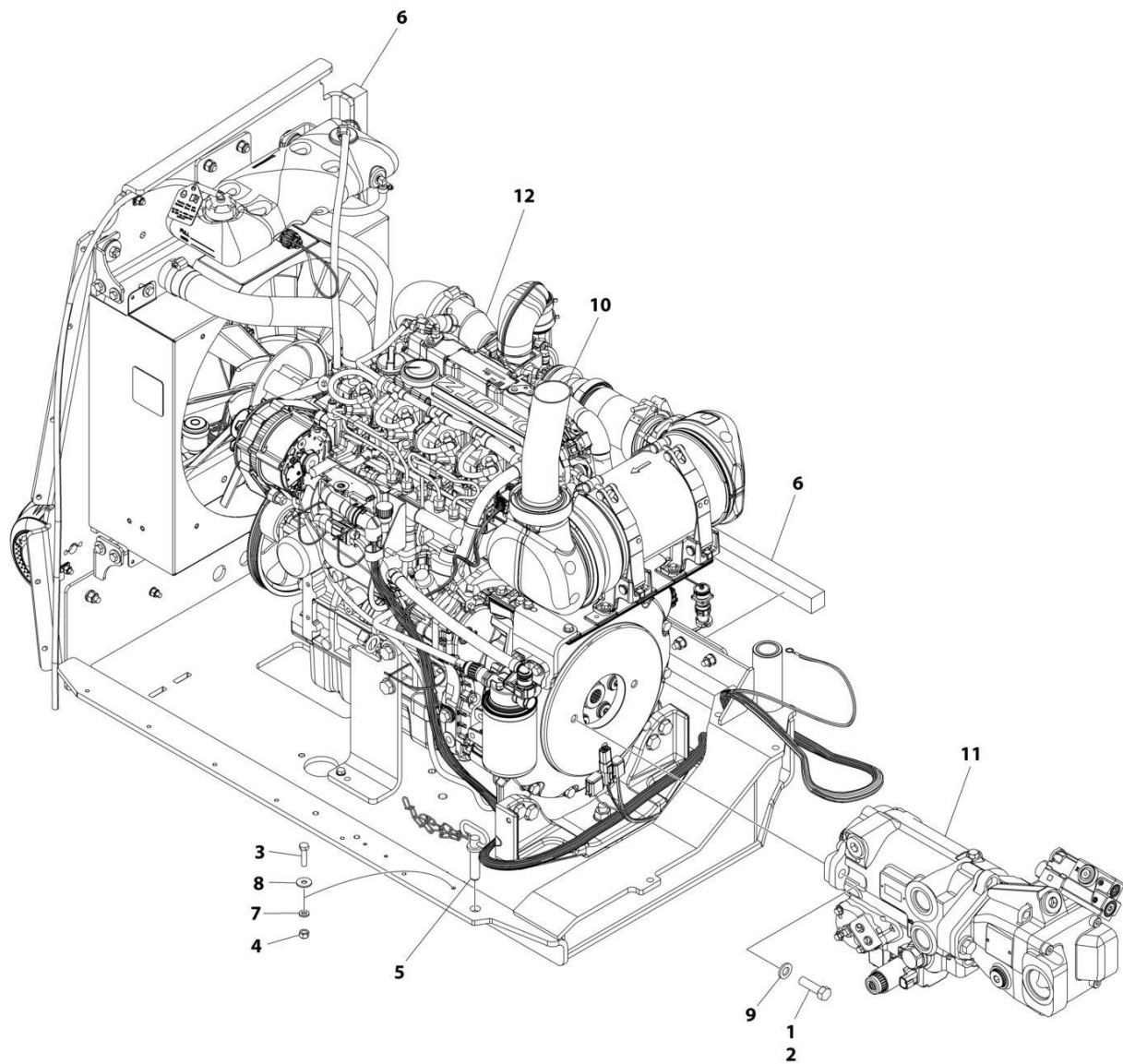
**SECTION 3 - ENGINE**

| ITEM | PART NUMBER | QTY | DESCRIPTION          | REV |
|------|-------------|-----|----------------------|-----|
| 200  | 1001269919  | 1   | Hose Kit (not Shown) |     |
| 201  | 1001192690  | 1   | Hose (Not Shown)     |     |
| 202  | 1001203431  | 1   | Hose (Not Shown)     |     |
| 203  | 1001203432  | 1   | Hose (Not Shown)     |     |
| 204  | 1001203433  | 1   | Hose (Not Shown)     |     |



SECTION 3 - ENGINE

FIGURE 3-15. DEUTZ TD2.9L4 EMR5 ENGINE AND PUMPS SUB-ASSEMBLY



ART\_1001302395

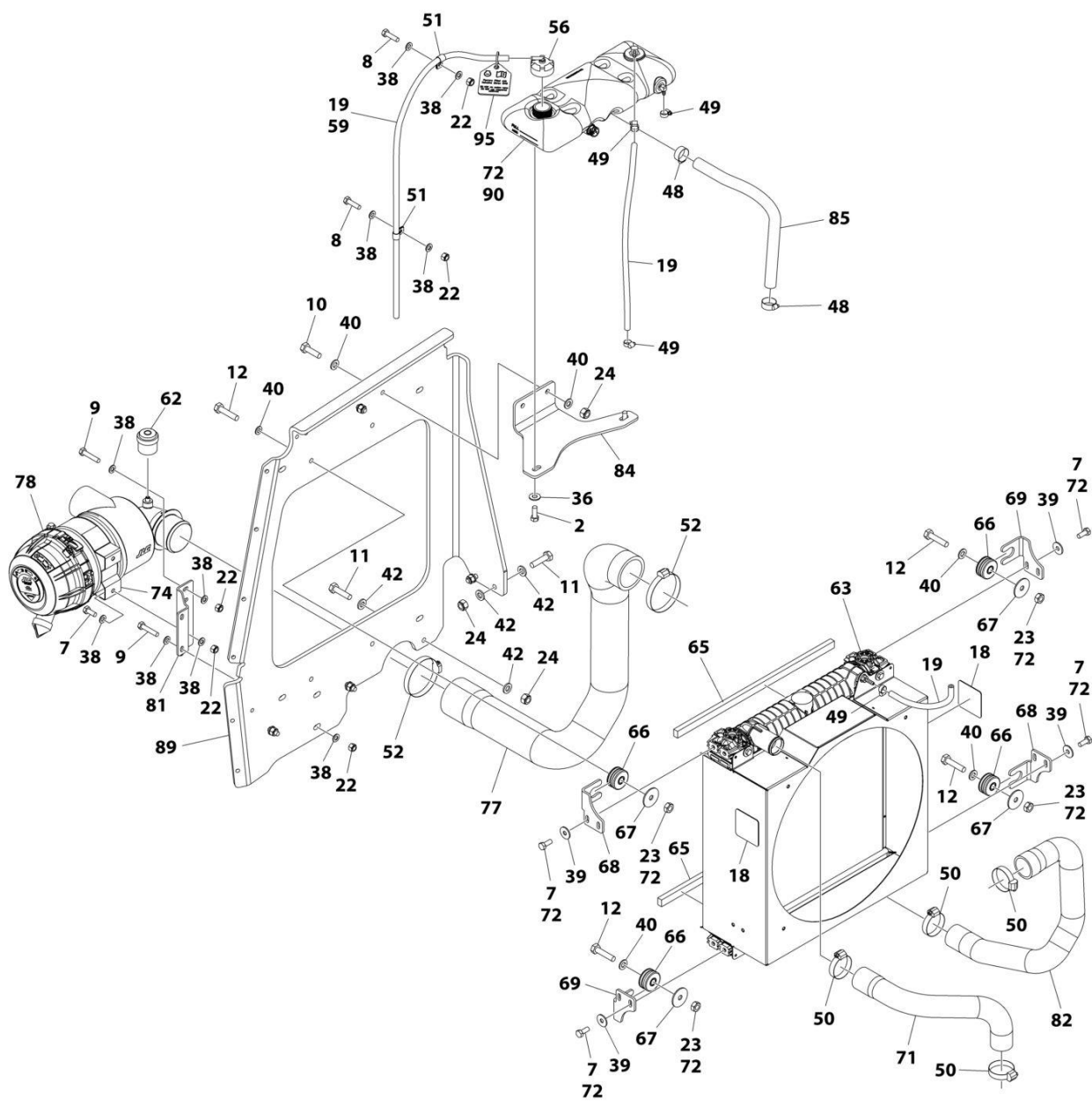
## SECTION 3 - ENGINE

**FIGURE 3-15. DEUTZ TD2.9L4 EMR5 ENGINE AND PUMPS SUB-ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                              | REV |
|------|-------------|-----|----------------------------------------------------------|-----|
|      | 1001302395  | Ref | DEUTZ TD2.9L4 EMR5 ENGINE AND PUMPS SUB-ASSEMBLY         | A   |
| 1    | 0100011     | AR  | Compound, Locking                                        |     |
| 2    | 0641814     | 2   | Bolt 1/2 x 1-3/4                                         |     |
| 3    | 0760612     | 1   | Bolt M6 x 25                                             |     |
| 4    | 3290605     | 1   | Nut M6                                                   |     |
| 5    | 3422532     | 1   | Pin                                                      |     |
| 6    | 3960469     | 2   | Seal                                                     |     |
| 7    | 4811700     | 1   | Washer M6                                                |     |
| 8    | 4811702     | 1   | Washer M6                                                |     |
| 9    | 5241200     | 2   | Washer M12                                               |     |
| 10   | 1001239207  | 1   | Pipe, Exhaust                                            |     |
| 11   | 1001239601  | 1   | Pumps Assembly (See Separate Breakdown in this Section)  |     |
| 12   | 1001302381  | 1   | Engine Assembly (See Separate Breakdown in this Section) |     |

SECTION 3 - ENGINE

FIGURE 3-16. DEUTZ TD2.9L4 EMR5 ENGINE ASSEMBLY



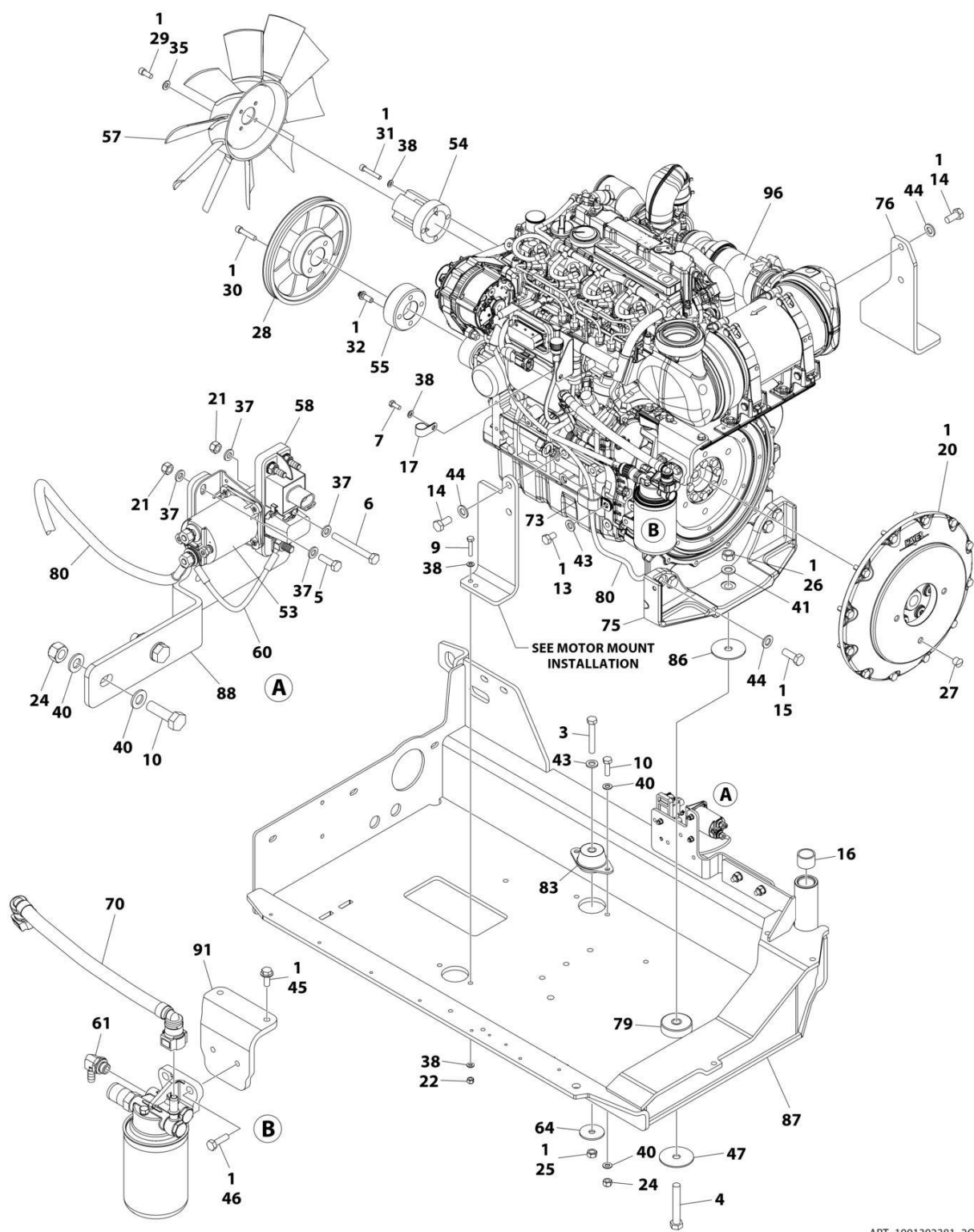
ART\_1001302381\_1OF2





SECTION 3 - ENGINE

FIGURE 3-17. DEUTZ TD2.9L4 EMR5 ENGINE ASSEMBLY



ART\_1001302381\_2OF2

## SECTION 3 - ENGINE

**FIGURE 3-17. DEUTZ TD2.9L4 EMR5 ENGINE ASSEMBLY**

| ITEM | PART NUMBER | QTY        | DESCRIPTION                                                | REV |
|------|-------------|------------|------------------------------------------------------------|-----|
|      | 1001302381  | Ref        | ENGINE AND PUMPS SUB-ASSEMBLY - EMR5 (67HP)                | A   |
| 1    | 0100011     | AR         | Compound, Locking                                          |     |
| 2    | 0681608     | 2          | Bolt 3/8 x 1                                               |     |
| 3    | 0711224     | 1          | Bolt M12 x 80                                              |     |
| 4    | 0711627     | 1          | Bolt M16 x 100                                             |     |
| 5    | 0760610     | 2          | Bolt M6 x 20                                               |     |
| 6    | 0760619     | 1          | Bolt M6 x 55                                               |     |
| 7    | 0760810     | 11         | Bolt M8 x 20                                               |     |
| 8    | 0760814     | 2          | Bolt M8 x 30                                               |     |
| 9    | 0760816     | 3          | Bolt M8 x 40                                               |     |
| 10   | 0761015     | 6          | Bolt M10 x 35                                              |     |
| 11   | 0761016     | 5          | Bolt M10 x 40                                              |     |
| 12   | 0761017     | 4          | Bolt M10 x 45                                              |     |
| 13   | 0761210     | 1          | Bolt M12 x 20                                              |     |
| 14   | 0771414     | 4          | Bolt M14 x 30                                              |     |
| 15   | 0771416     | 4          | Bolt M14 x 40                                              |     |
| 16   | 0961951     | 2          | Bushing                                                    |     |
| 17   | 1320202     | 1          | Clamp                                                      |     |
| 18   | 1703162     | 2          | Decal - Fan Blade                                          |     |
| 19   | 2720015     | 3 ft / 1 m | Hose                                                       |     |
| 20   | 2902065     | 1          | Pump Coupling Kit (See Separate Breakdown in this Section) |     |
| 21   | 3290605     | 3          | Nut M6                                                     |     |
| 22   | 3290805     | 7          | Nut M8                                                     |     |
| 23   | 3291001     | 4          | Nut M10                                                    |     |
| 24   | 3291005     | 11         | Nut M10                                                    |     |
| 25   | 3331211     | 1          | Nut M12                                                    |     |
| 26   | 3331611     | 1          | Nut M16                                                    |     |
| 27   | 3520054     | 1          | Plug                                                       |     |
| 28   | 3580320     | 1          | Pulley                                                     |     |
| 29   | 3931512     | 4          | Capscrew 5/16 x 3/4                                        |     |
| 30   | 3931628     | 4          | Capscrew 3/8 x 1-3/4                                       |     |
| 31   | 4031914     | 4          | Capscrew M8 x 50                                           |     |
| 32   | 4032014     | 4          | Capscrew M10 x 50                                          |     |
| 33   | 4240032     | AR         | Tie-Strap (Not Shown)                                      |     |
| 34   | 4240099     | AR         | Tie-Strap (Not Shown)                                      |     |
| 35   | 4711500     | 4          | Washer 5/16                                                |     |
| 36   | 4751600     | 2          | Washer 3/8                                                 |     |
| 37   | 4811700     | 6          | Washer M6                                                  |     |
| 38   | 4811900     | 19         | Washer M8                                                  |     |
| 39   | 4811902     | 8          | Washer M8                                                  |     |
| 40   | 4812000     | 20         | Washer M10                                                 |     |
| 41   | 4812300     | 1          | Washer M16                                                 |     |
| 42   | 5241000     | 10         | Washer M10                                                 |     |
| 43   | 5241200     | 2          | Washer M12                                                 |     |
| 44   | 5241400     | 8          | Washer M14                                                 |     |
| 45   | 5250810     | 2          | Bolt M8 x 20                                               |     |
| 46   | 5251012     | 2          | Bolt M10 x 25                                              |     |
| 47   | 7300435     | 1          | Washer                                                     |     |
| 48   | 8405007     | 2          | Clamp                                                      |     |
| 49   | 8405009     | 4          | Clamp                                                      |     |

## SECTION 3 - ENGINE

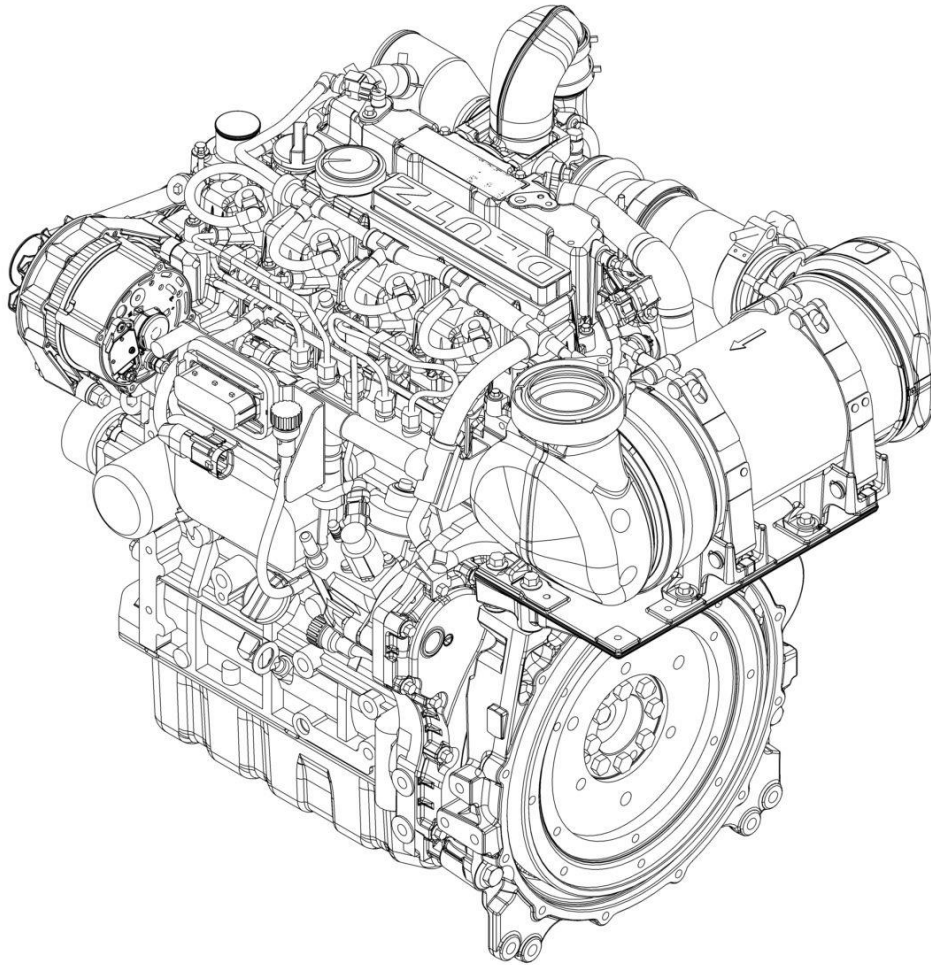
| ITEM | PART NUMBER | QTY       | DESCRIPTION                                                               | REV |
|------|-------------|-----------|---------------------------------------------------------------------------|-----|
| 50   | 8405104     | 4         | Clamp                                                                     |     |
| 51   | 8406109     | 2         | Clip                                                                      |     |
| 52   | 8410011     | 2         | Clamp                                                                     |     |
| 53   | 1001117308  | 1         | Contactactor                                                              |     |
| 54   | 1001135138  | 1         | Adapter, Fan                                                              |     |
| 55   | 1001135679  | 1         | Adapter                                                                   |     |
| 56   | 1001136834  | 1         | Cap, Tank                                                                 |     |
| 57   | 1001137276  | 1         | Fan                                                                       |     |
| 58   | 1001138228  | 1         | Relay                                                                     |     |
| 59   | 1001138248  | 4 ft /2 m | Tube                                                                      |     |
| 60   | 1001141304  | 1         | Harness, Glow Fuse                                                        |     |
| 61   | 1001152489  | 1         | Fitting, 90 Barbed                                                        |     |
| 62   | 1001166716  | 1         | Restriction, Indicator                                                    |     |
| 63   | 1001167042  | 1         | Radiator                                                                  |     |
| 64   | 1001168018  | 1         | Washer                                                                    |     |
| 65   | 1001168166  | 2         | Seal                                                                      |     |
| 66   | 1001169054  | 4         | Isolator                                                                  |     |
| 67   | 1001169138  | 4         | Pad, Snubbing                                                             |     |
| 68   | 1001169967  | 2         | Bracket                                                                   |     |
| 69   | 1001170035  | 2         | Bracket                                                                   |     |
| 70   | 1001177359  | 1         | Hose                                                                      |     |
| 71   | 1001177844  | 1         | Hose, Upper Radiator                                                      |     |
| 72   | 1001180620  | AR        | Adhesive                                                                  |     |
| 73   | 1001181899  | 1         | Clamp, Double                                                             |     |
| 74   | 1001186426  | 1         | Clamp                                                                     |     |
| 75   | 1001188535  | 1         | Bracket, Engine - Rear                                                    |     |
| 76   | 1001189026  | 1         | Bracket, Engine - Right                                                   |     |
| 77   | 1001189913  | 1         | Hose                                                                      |     |
| 78   | 1001189979  | 1         | Filter, Air                                                               |     |
| 78   | 70005008    | 1         | Element, Filter                                                           |     |
| 79   | 1001190164  | 1         | Mount                                                                     |     |
| 80   | 1001190442  | 1         | Cable, Alternator Power                                                   |     |
| 81   | 1001190942  | 1         | Support                                                                   |     |
| 82   | 1001191025  | 1         | Hose, Radiator (Bottom)                                                   |     |
| 83   | 1001191610  | 1         | Mount                                                                     |     |
| 84   | 1001192400  | 1         | Bracket                                                                   |     |
| 85   | 1001193049  | 1         | Hose                                                                      |     |
| 86   | 1001197725  | 1         | Spacer                                                                    |     |
| 87   | 1001200745  | 1         | Tray                                                                      |     |
| 88   | 1001203885  | 1         | Plate                                                                     |     |
| 89   | 1001229091  | 1         | Support                                                                   |     |
| 90   | 1001230635  | 1         | Tank                                                                      |     |
| 90   | 1001134488  | 1         | Fitting, 90 Barbed                                                        |     |
| 90   | 1001138827  | 1         | Sensor, Coolant Level                                                     |     |
| 90   | 1001140564  | 1         | Fitting, 90 Barbed                                                        |     |
| 91   | 1001231805  | 1         | Bracket                                                                   |     |
| 92   | 1001276644  | 1         | Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section) |     |
| 93   | 1001281985  | 1         | Connector (Not Shown)                                                     |     |
| 94   | 1001281986  | 1         | Connector (Not Shown)                                                     |     |
| 95   | 1001291401  | 1         | Tag, Coolant                                                              |     |

## SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                | REV |
|------|-------------|-----|----------------------------------------------------------------------------|-----|
| 96   | 1001301727  | 1   | Deutz D2.9L4 - EMR5 (67HP) Engine (See Separate Breakdown in this Section) |     |

## SECTION 3 - ENGINE

FIGURE 3-18. DEUTZ TD2.9L4 EMR5 ENGINE COMPONENTS



ART\_1001301727

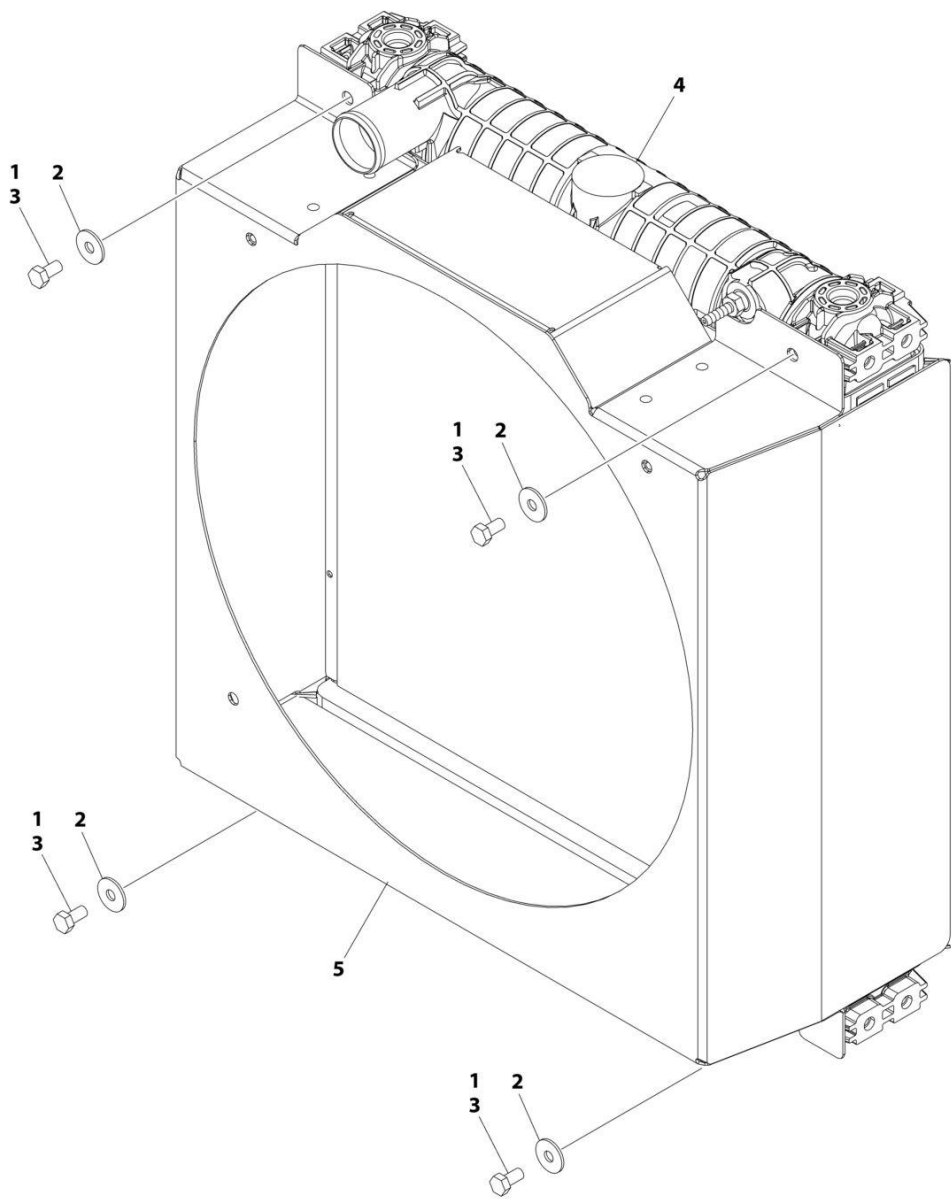
## SECTION 3 - ENGINE

**FIGURE 3-18. DEUTZ TD2.9L4 EMR5 ENGINE COMPONENTS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                          | REV |
|------|-------------|-----|------------------------------------------------------|-----|
|      | 1001301727  | Ref | ENGINE COMPONENTS - DEUTZ D2.9L4 EMR5 ENGINE         | A   |
|      | See Note    | Ref | Note: No Service Parts Available at Time of Printing |     |

SECTION 3 - ENGINE

FIGURE 3-19. RADIATOR ASSEMBLY - DUETZ D2.2L3 ENGINE



ART\_1001284529



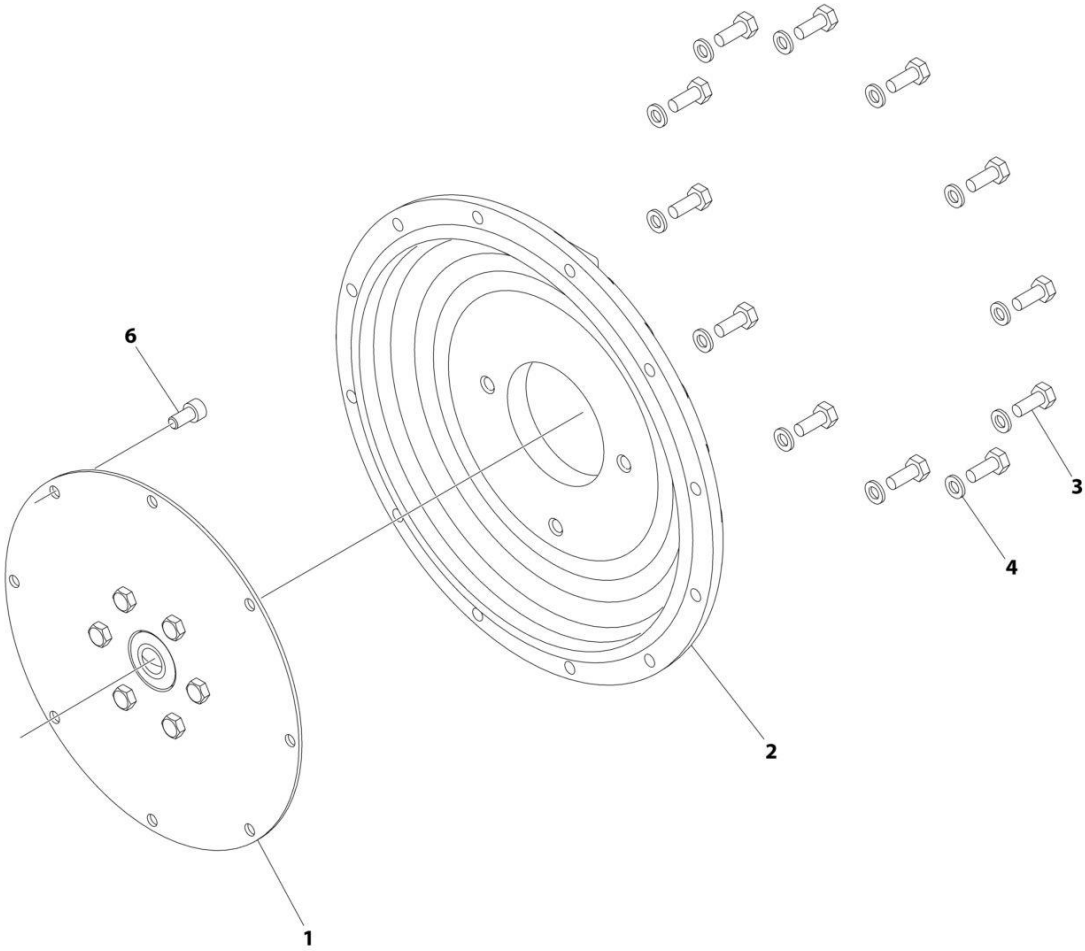
## SECTION 3 - ENGINE

**FIGURE 3-19. RADIATOR ASSEMBLY - DUETZ D2.2L3 ENGINE**

| ITEM | PART NUMBER | QTY | DESCRIPTION       | REV |
|------|-------------|-----|-------------------|-----|
|      | 1001284529  | Ref | RADIATOR ASSEMBLY | A   |
| 1    | 0760808     | 4   | Bolt M8 x 16      |     |
| 2    | 4811902     | 4   | Washer M8         |     |
| 3    | 1001180620  | AR  | Compound, Locking |     |
| 4    | 1001203495  | 1   | Radiator          |     |
| 5    | 1001281291  | 1   | Shroud            |     |

SECTION 3 - ENGINE

FIGURE 3-20. PUMP COUPLING KIT (DEUTZ ENGINES)



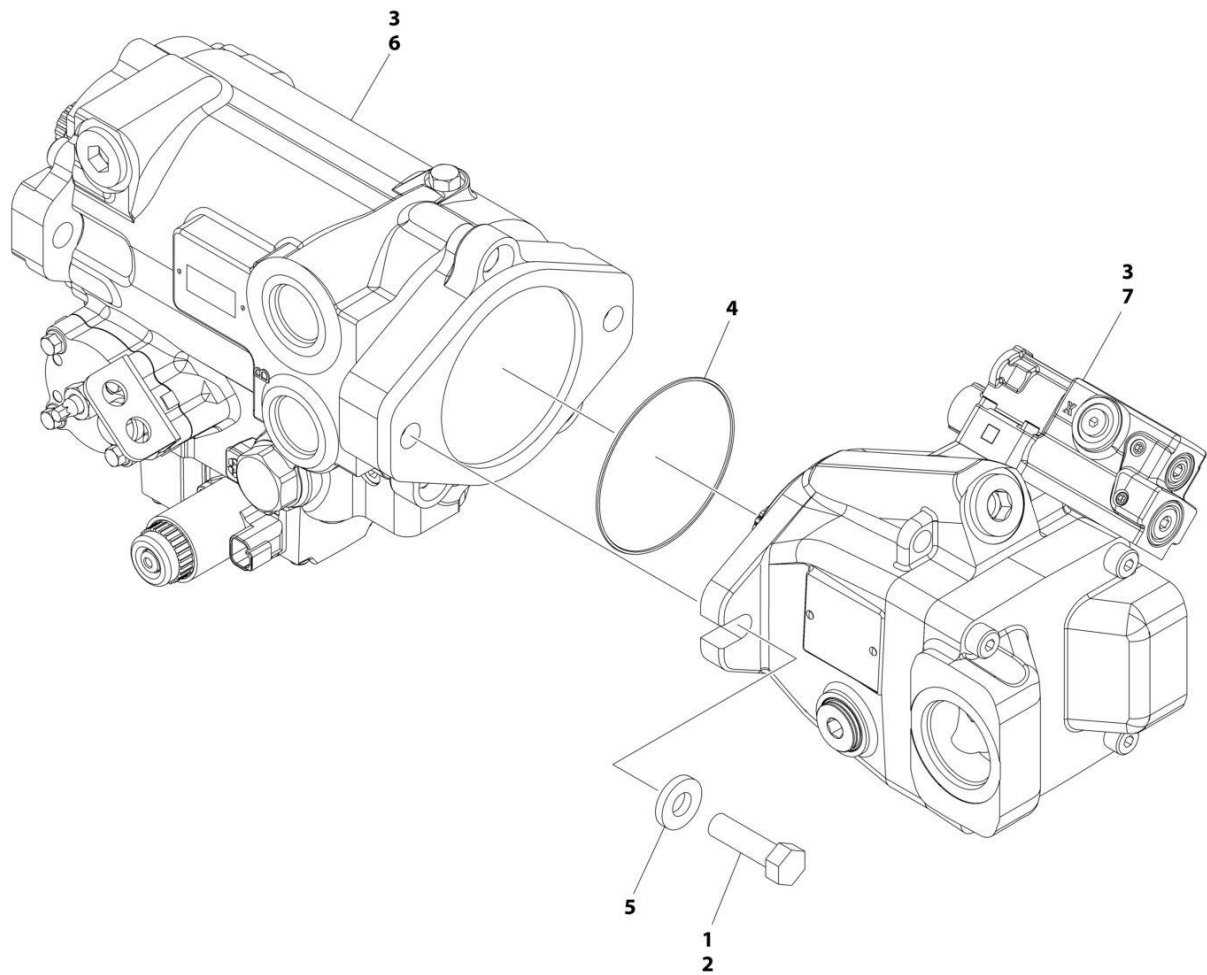
ART\_2902065

## SECTION 3 - ENGINE

**FIGURE 3-20. PUMP COUPLING KIT (DEUTZ ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                      | REV |
|------|-------------|-----|--------------------------------------------------|-----|
|      | 2902065     | Ref | PUMP COUPLING KIT                                | L   |
| 1    | 70000793    | 1   | Coupling, Hayes                                  |     |
| 2    | See Note    | NSS | Plate, Pump Adapter (Note: Use p/n 2902065)      |     |
| 3    | See Note    | NSS | Bolt M10 x 30 Grade 10.9 (Note: Use p/n 2902065) |     |
| 4    | See Note    | NSS | Washer M10 (Note: Use p/n 2902065)               |     |
| 6    | See Note    | NSS | Bolt M10 x 20 Grade 10.9 (Note: Use p/n 2902065) |     |

FIGURE 3-21. PUMPS ASSEMBLY



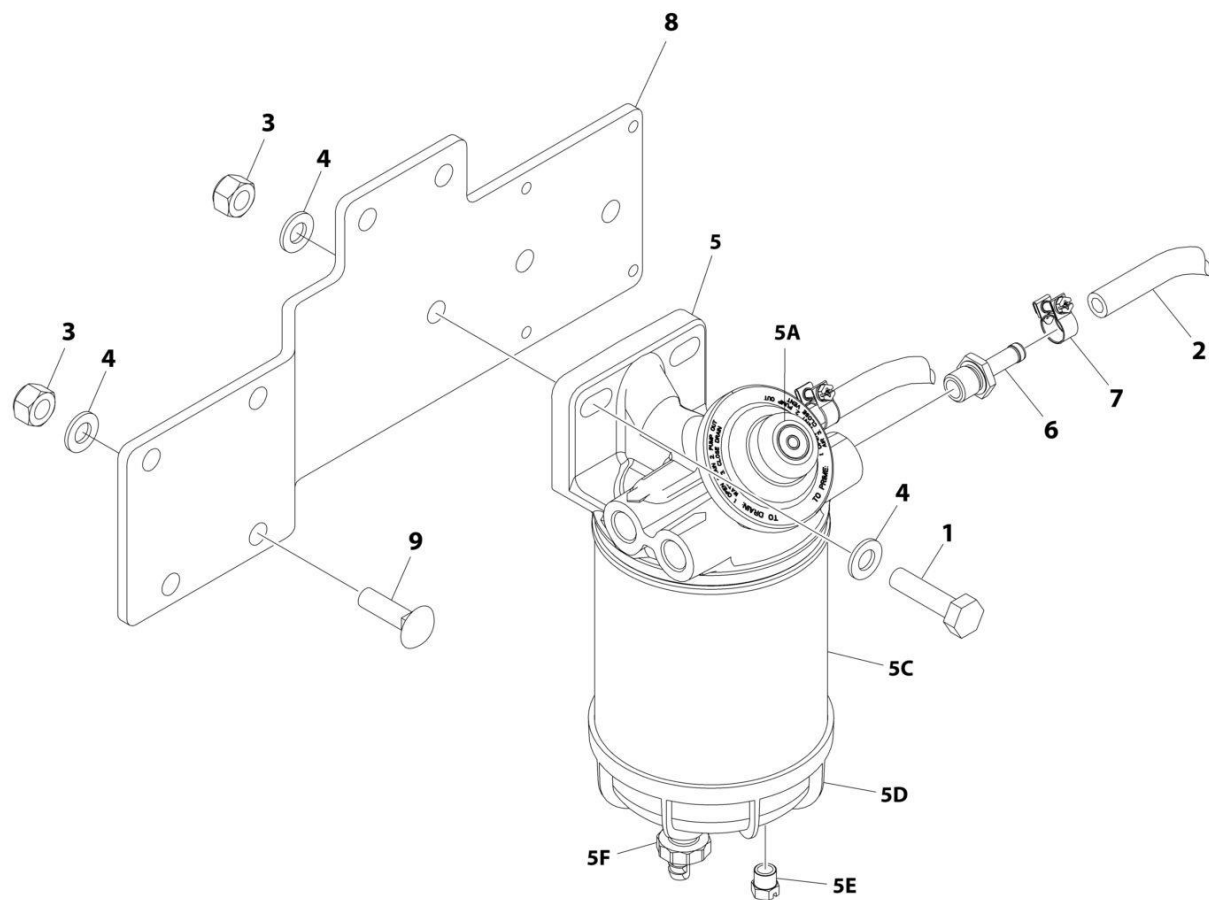
ART\_1001239601

FIGURE 3-21. PUMPS ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION                                               | REV |
|------|-------------|-----|-----------------------------------------------------------|-----|
|      | 1001239601  | Ref | PUMPS ASSEMBLY                                            | A   |
| 1    | 0100011     | AR  | Compound, Locking                                         |     |
| 2    | 0641814     | 2   | Bolt 1/2 x 1-3/4                                          |     |
| 3    | 3020037     | AR  | Lube, Coupling Grease                                     |     |
| 4    | 3790044     | 1   | O-Ring                                                    |     |
| 5    | 4891800     | 2   | Washer 1/2                                                |     |
| 6    | 1001236425  | 1   | Piston Pump Assembly (Note: No service Parts Available)   |     |
| 7    | 1001238622  | 1   | Function Pump Assembly (Note: No service Parts Available) |     |

SECTION 3 - ENGINE

FIGURE 3-22. FUEL FILTER INSTALLATION (OPTIONAL)



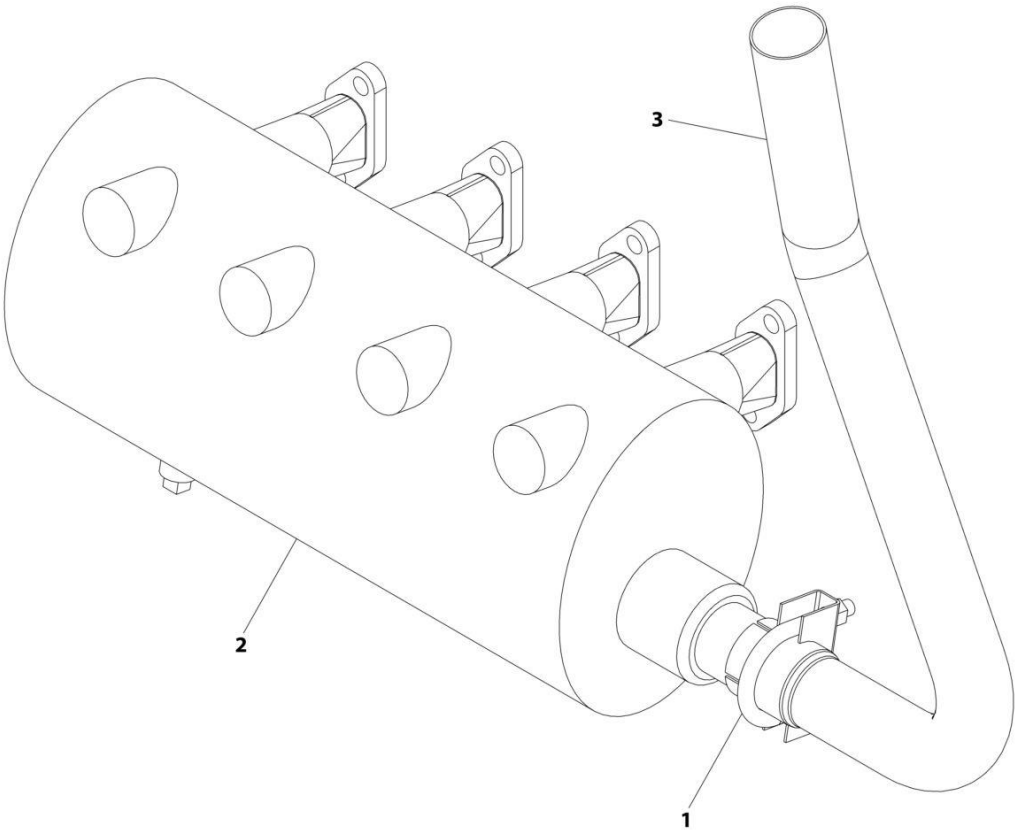
ART\_1001224200

FIGURE 3-22. FUEL FILTER INSTALLATION (OPTIONAL)

| ITEM | PART NUMBER | QTY        | DESCRIPTION                                       | REV |
|------|-------------|------------|---------------------------------------------------|-----|
|      | 1001224200  | Ref        | FUEL FILTER INSTALLATION                          | B   |
| 1    | 0761016     | 2          | Bolt M10 x 40                                     |     |
| 2    | 2720058     | 46 in/1.2m | Hose, Fuel Line                                   |     |
| 3    | 3291005     | 4          | Nut M10                                           |     |
| 4    | 4812000     | 6          | Washer M10                                        |     |
| 5    | 1001149452  | 1          | Fuel Filter/Water Separator Assembly              |     |
| 5A   | See Note    | NSS        | Indicator, Restriction (Note: Use p/n 1001149452) |     |
| 5B   | 70004064    | 1          | Bypass Valve Kit (Not Shown)                      |     |
| 5C   | 70004065    | 1          | Gasket, Head to Element                           |     |
| 5C   | 70004066    | 1          | Element, Filter                                   |     |
| 5D   | 70004067    | 1          | Gasket Element to Bowl                            |     |
| 5D   | 70004068    | 1          | Bowl Kit (Includes Bowl, Element and Plug)        |     |
| 5E   | 70004069    | 1          | Plug                                              |     |
| 5F   | 70004070    | 1          | Drain                                             |     |
| 6    | 1001149469  | 2          | Fitting, Straight Barbed                          |     |
| 7    | 1001174486  | 2          | Clamp                                             |     |
| 8    | 1001224967  | 1          | Bracket                                           |     |
| 9    | 1001228406  | 2          | Bolt M10 x 35                                     |     |

**SECTION 3 - ENGINE**

**FIGURE 3-23. MUFFLER INSTALLATION - SPARK ARRESTING (DEUTZ D2011 ENGINES)**



ART\_1001192284



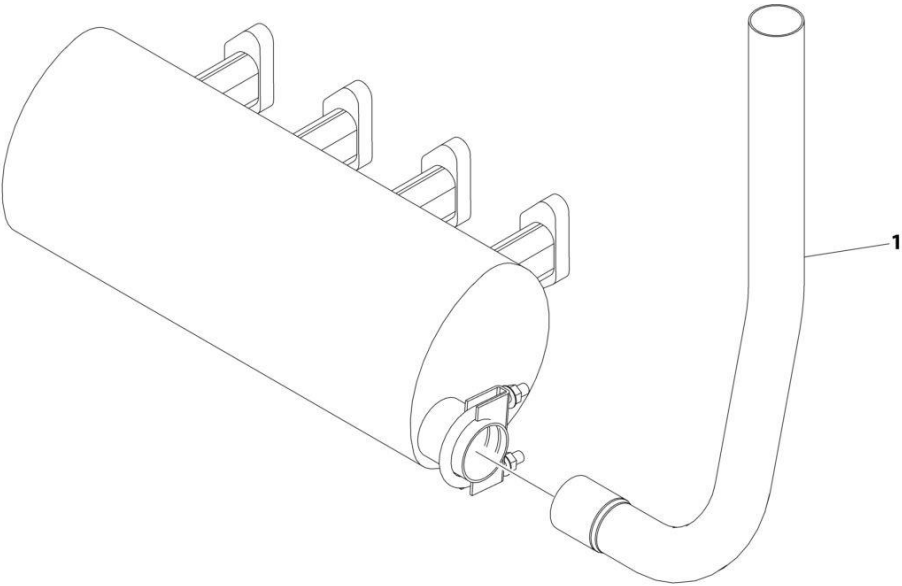
## SECTION 3 - ENGINE

**FIGURE 3-23. MUFFLER INSTALLATION - SPARK ARRESTING (DEUTZ D2011 ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001192284  | Ref | MUFFLER INSTALLATION     | B   |
| 1    | 1320176     | 1   | Clamp                    |     |
| 2    | 1001191156  | 1   | Muffler, Spark Arresting |     |
| 3    | 1001195763  | 1   | Pipe, Exhaust            |     |

**SECTION 3 - ENGINE**

**FIGURE 3-24. EXHAUST PIPE INSTALLATION - (DEUTZ D2011 ENGINES)**



ART\_1001239563

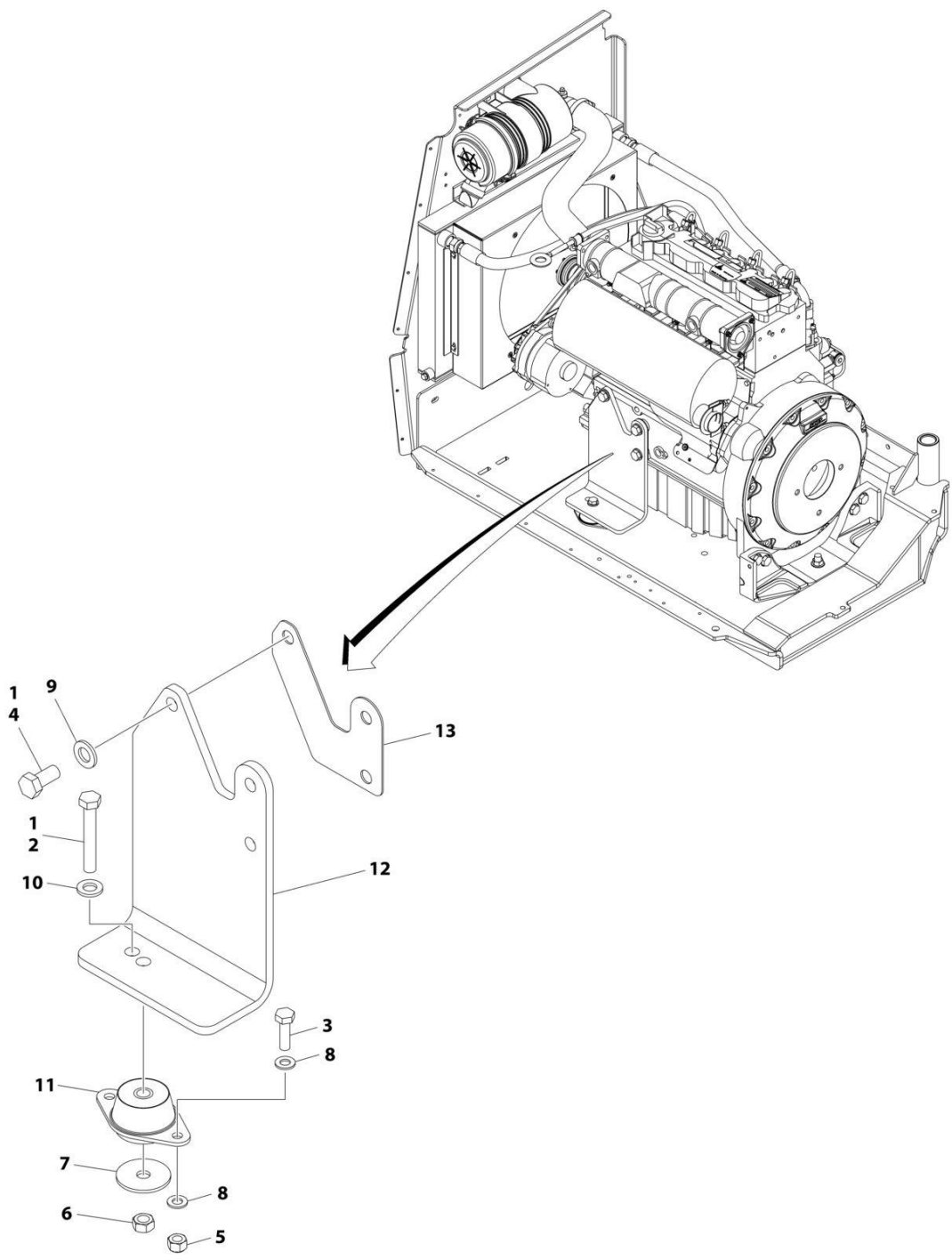
## SECTION 3 - ENGINE

**FIGURE 3-24. EXHAUST PIPE INSTALLATION - (DEUTZ D2011 ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION          | REV |
|------|-------------|-----|----------------------|-----|
| 1    | 1001239563  | Ref | MUFFLER INSTALLATION | A   |
|      | 1001191273  | 1   | Pipe, Exhaust        |     |

SECTION 3 - ENGINE

FIGURE 3-25. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ D2011 ENGINES)



ART\_1001192443

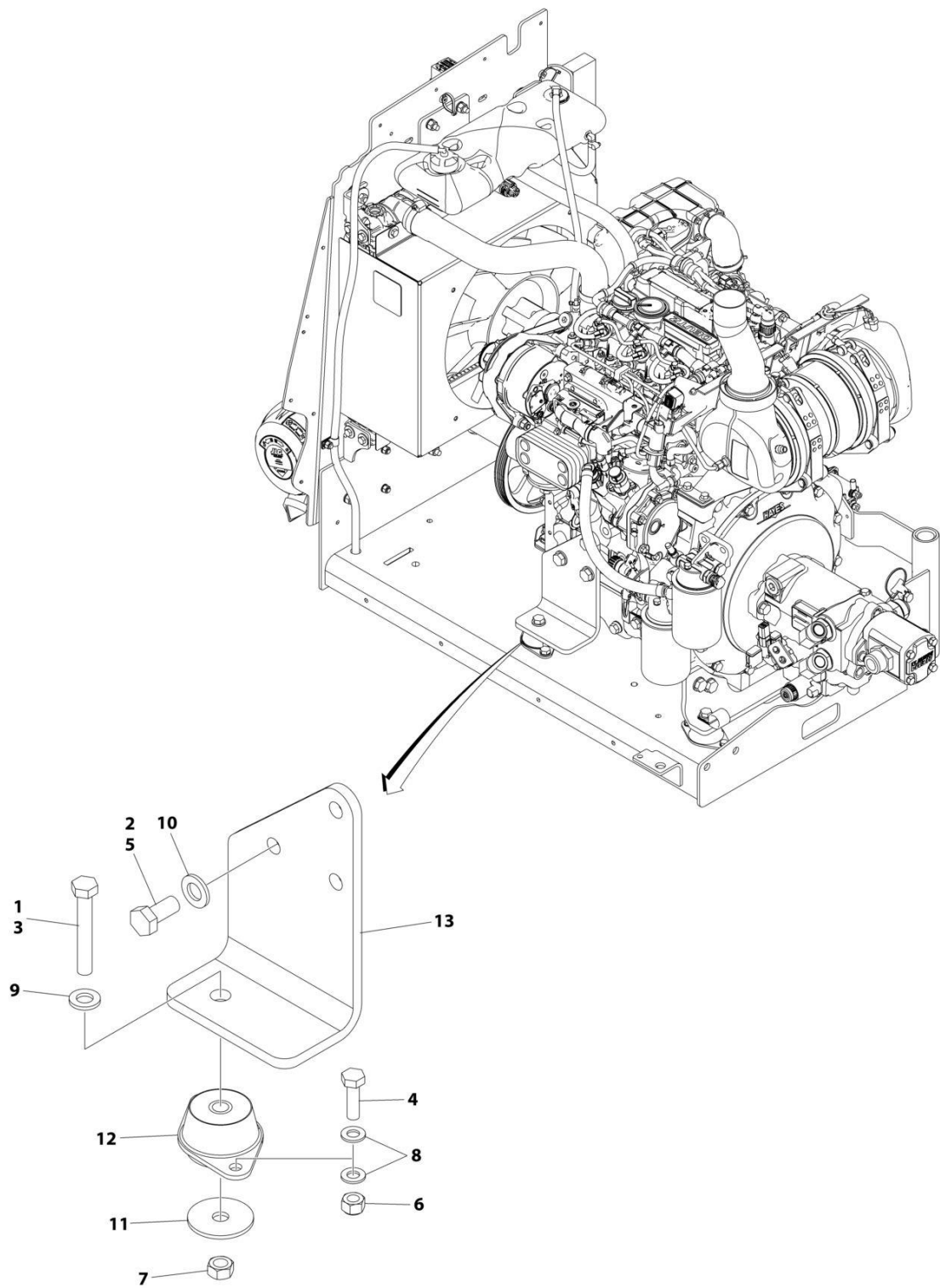
## SECTION 3 - ENGINE

**FIGURE 3-25. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ D2011 ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001192443  | Ref | MOTOR MOUNT INSTALLATION | D   |
| 1    | 0100011     | AR  | Compound, Locking        |     |
| 2    | 0711224     | 1   | Bolt M12 x 80            |     |
| 3    | 0761015     | 2   | Bolt M10 x 35            |     |
| 4    | 0771414     | 3   | Bolt M14 x 30            |     |
| 5    | 3291005     | 2   | Nut M10                  |     |
| 6    | 3331211     | 1   | Nut M12                  |     |
| 7    | 1001168018  | 1   | Washer                   |     |
| 8    | 4812000     | 4   | Washer M10               |     |
| 9    | 5241400     | 3   | Washer M14               |     |
| 10   | 5241200     | 1   | Washer M12               |     |
| 11   | 1001191610  | 1   | Mount, Motor             |     |
| 12   | 1001189227  | 1   | Mount                    |     |
| 13   | 1001201843  | 1   | Shim                     |     |

SECTION 3 - ENGINE

FIGURE 3-26. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)



ART\_1001255281

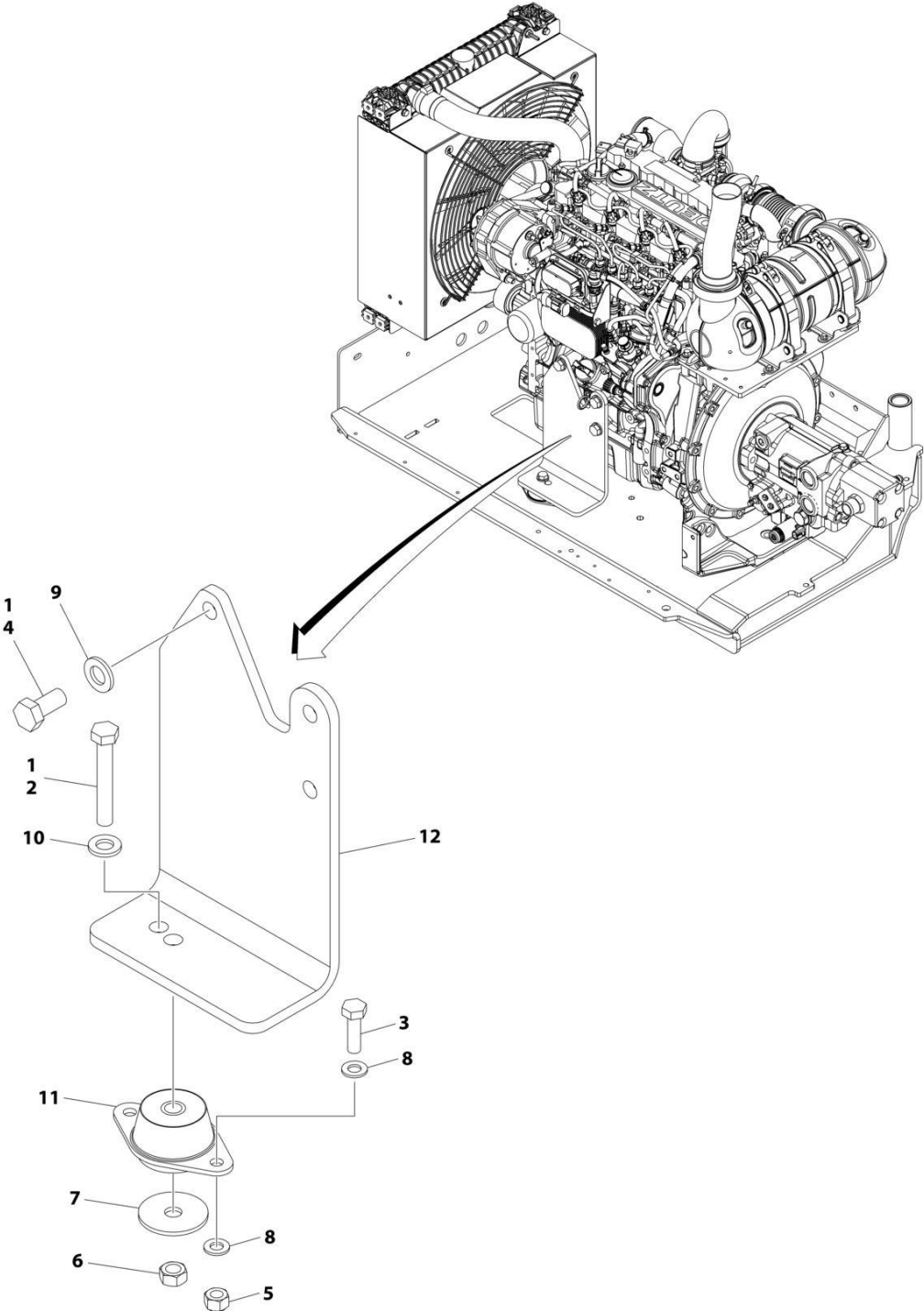
## SECTION 3 - ENGINE

**FIGURE 3-26. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001255281  | Ref | MOTOR MOUNT INSTALLATION | C   |
| 1    | 0100011     | AR  | Compound, Locking        |     |
| 2    | 0100019     | AR  | Compound, Locking        |     |
| 3    | 0711224     | 1   | Bolt M12 x 80            |     |
| 4    | 0761015     | 2   | Bolt M10 x 35            |     |
| 5    | 0771414     | 3   | Bolt M14 x 30            |     |
| 6    | 3291005     | 2   | Nut M10                  |     |
| 7    | 3331211     | 1   | Nut M12                  |     |
| 8    | 4812000     | 4   | Washer M10               |     |
| 9    | 5241200     | 1   | Washer M12               |     |
| 10   | 5241400     | 3   | Washer M14               |     |
| 11   | 1001168018  | 1   | Washer                   |     |
| 12   | 1001166718  | 1   | Mount, Motor             |     |
| 13   | 1001254423  | 1   | Mount                    |     |

SECTION 3 - ENGINE

FIGURE 3-27. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)



ART\_1001192442



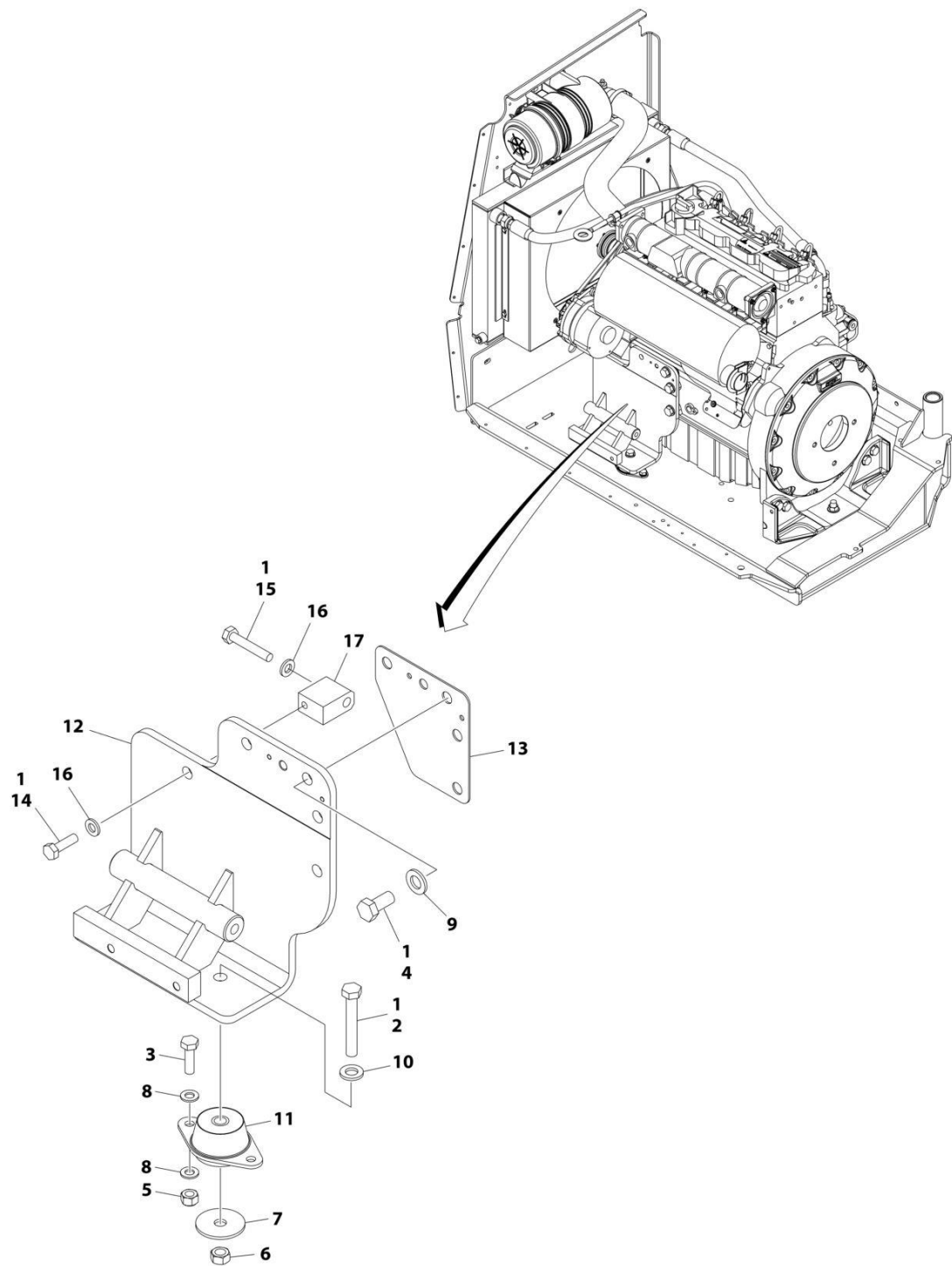
## SECTION 3 - ENGINE

**FIGURE 3-27. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001192442  | Ref | MOTOR MOUNT INSTALLATION | D   |
| 1    | 0100011     | AR  | Compound, Locking        |     |
| 2    | 0711224     | 1   | Bolt M12 x 80            |     |
| 3    | 0761015     | 2   | Bolt M10 x 35            |     |
| 4    | 0771414     | 3   | Bolt M14 x 30            |     |
| 5    | 3291005     | 2   | Nut M10                  |     |
| 6    | 3331211     | 1   | Nut M12                  |     |
| 7    | 1001168018  | 1   | Washer                   |     |
| 8    | 4812000     | 4   | Washer M10               |     |
| 9    | 5241400     | 3   | Washer M14               |     |
| 10   | 5241200     | 1   | Washer M12               |     |
| 11   | 1001191610  | 1   | Mount, Motor             |     |
| 12   | 1001189227  | 1   | Mount                    |     |

SECTION 3 - ENGINE

FIGURE 3-28. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ D2011 ENGINES)



ART\_1001191856

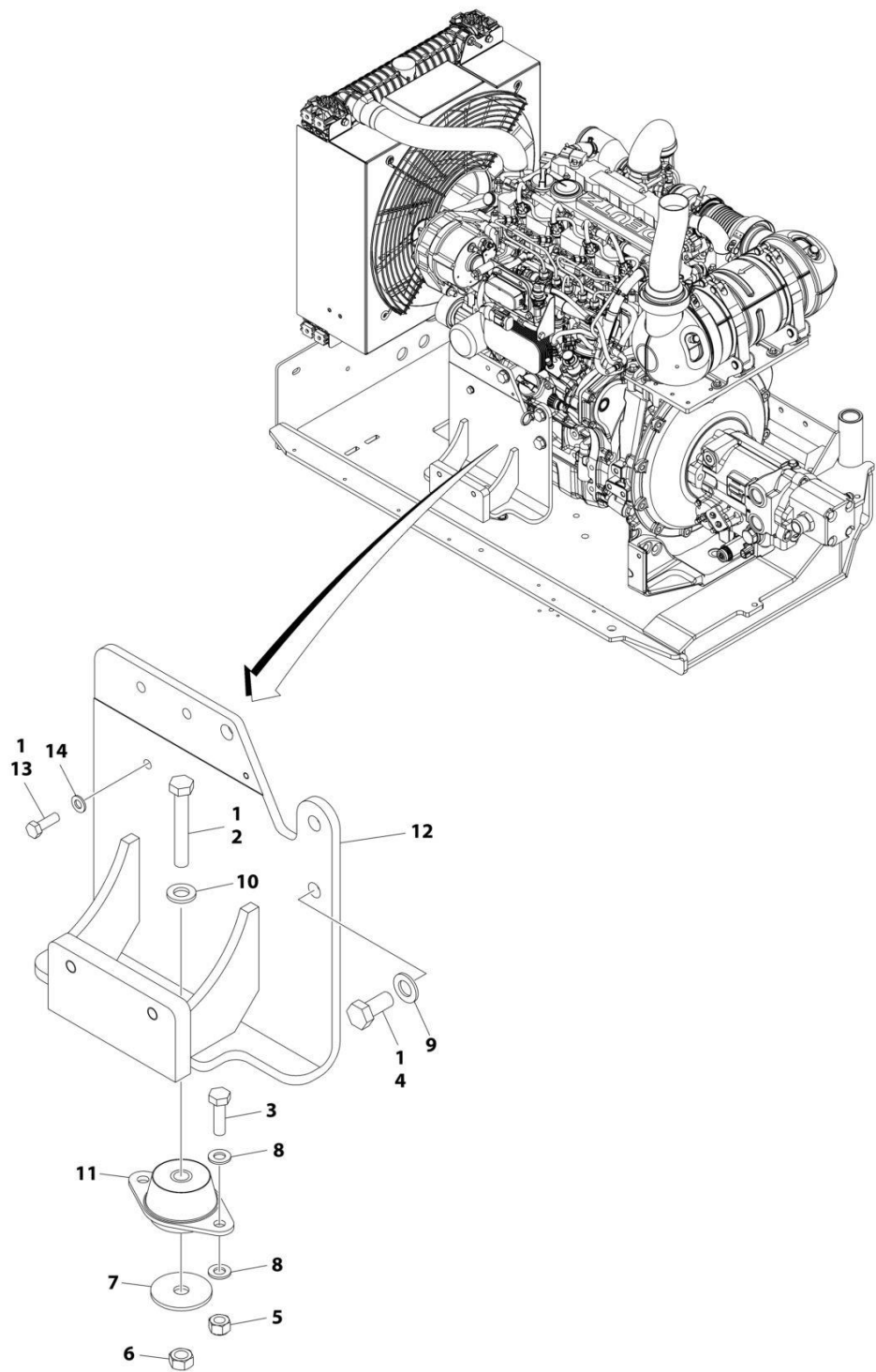
## SECTION 3 - ENGINE

**FIGURE 3-28. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ D2011 ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001191856  | Ref | MOTOR MOUNT INSTALLATION | F   |
| 1    | 0100011     | AR  | Compound, Locking        |     |
| 2    | 0711224     | 1   | Bolt M12 x 80            |     |
| 3    | 0761015     | 2   | Bolt M10 x 35            |     |
| 4    | 0771415     | 3   | Bolt M14 x 35            |     |
| 5    | 3291005     | 2   | Nut M10                  |     |
| 6    | 3331211     | 1   | Nut M12                  |     |
| 7    | 1001168018  | 1   | Washer                   |     |
| 8    | 4812000     | 4   | Washer M10               |     |
| 9    | 5241400     | 3   | Washer M14               |     |
| 10   | 5241200     | 1   | Washer M12               |     |
| 11   | 1001191610  | 1   | Mount, Engine            |     |
| 12   | 1001239710  | 1   | Bracket                  |     |
| 13   | 1001205957  | 1   | Shim                     |     |
| 14   | 0711015     | 1   | Bolt M10 x 35            |     |
| 15   | 0711020     | 1   | Bolt M10 x 60            |     |
| 16   | 5241000     | 2   | Washer M10               |     |
| 17   | 1001239715  | 1   | Block                    |     |

SECTION 3 - ENGINE

FIGURE 3-29. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)



ART\_1001192008

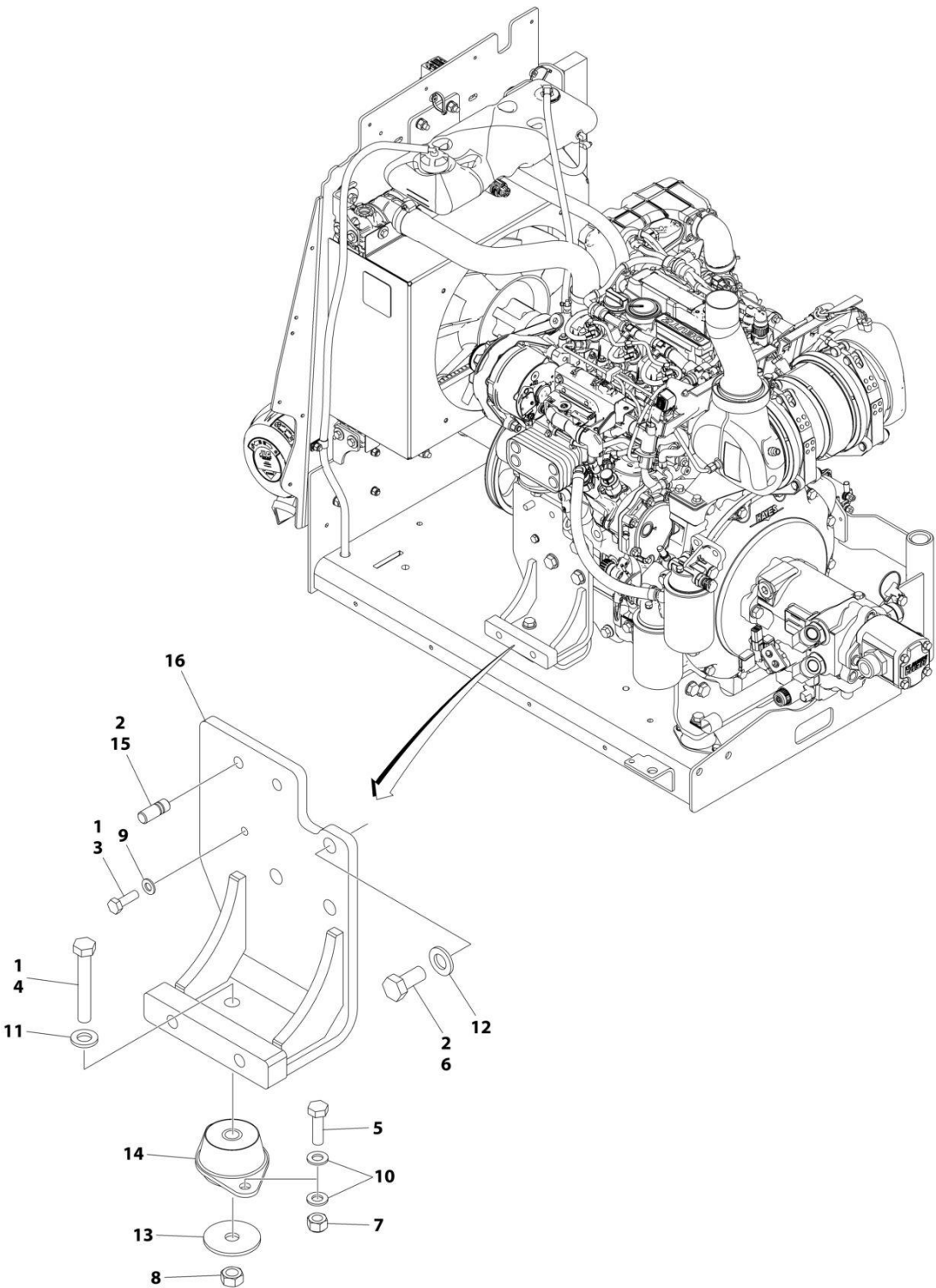
## SECTION 3 - ENGINE

**FIGURE 3-29. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001192008  | Ref | MOTOR MOUNT INSTALLATION | F   |
| 1    | 0100011     | AR  | Compound, Locking        |     |
| 2    | 0711224     | 1   | Bolt M12 x 80            |     |
| 3    | 0761015     | 2   | Bolt M10 x 35            |     |
| 4    | 0771415     | 3   | Bolt M14 x 35            |     |
| 5    | 3291005     | 2   | Nut M10                  |     |
| 6    | 3331211     | 1   | Nut M12                  |     |
| 7    | 1001168018  | 1   | Washer                   |     |
| 8    | 4812000     | 4   | Washer M10               |     |
| 9    | 5241400     | 3   | Washer M14               |     |
| 10   | 5241200     | 1   | Washer M12               |     |
| 11   | 1001191610  | 1   | Mount, Motor             |     |
| 12   | 1001209016  | 1   | Mount                    |     |
| 13   | 0770814     | 1   | Bolt M8 x 30             |     |
| 14   | 5240800     | 1   | Washer M8                |     |

SECTION 3 - ENGINE

FIGURE 3-30. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)



ART\_1001255280

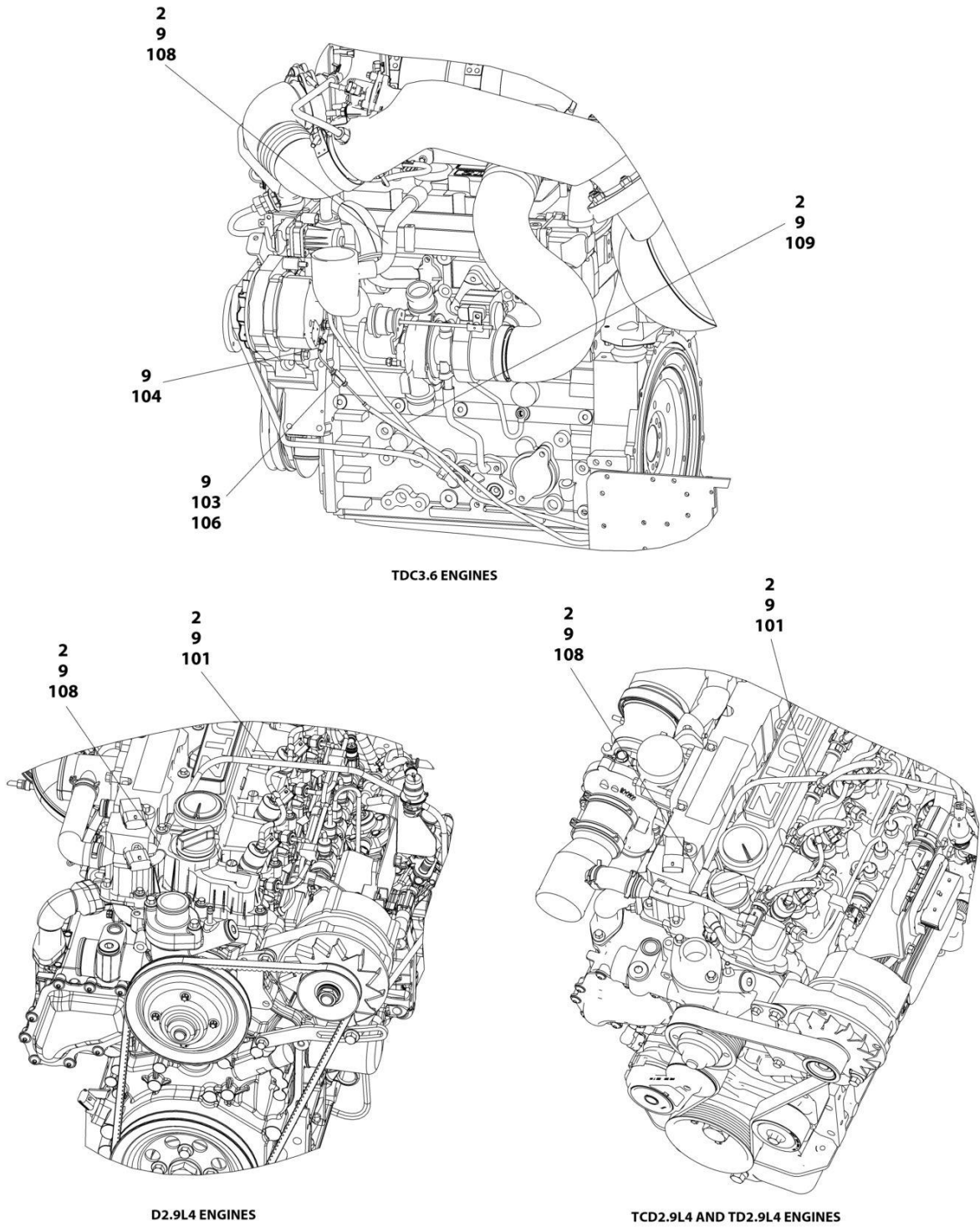
## SECTION 3 - ENGINE

**FIGURE 3-30. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001255280  | Ref | MOTOR MOUNT INSTALLATION | C   |
| 1    | 0100011     | AR  | Compound, Locking        |     |
| 2    | 0100019     | AR  | Compound, Locking        |     |
| 3    | 0700812     | 1   | Bolt M8 x 25             |     |
| 4    | 0711224     | 1   | Bolt M12 x 80            |     |
| 5    | 0761015     | 2   | Bolt M10 x 35            |     |
| 6    | 0771414     | 3   | Bolt M14 x 30            |     |
| 7    | 3291005     | 2   | Nut M10                  |     |
| 8    | 3331211     | 1   | Nut M12                  |     |
| 9    | 4811900     | 1   | Washer M8                |     |
| 10   | 4812000     | 4   | Washer M10               |     |
| 11   | 5241200     | 1   | Washer M12               |     |
| 12   | 5241400     | 1   | Washer M14               |     |
| 13   | 1001168018  | 1   | Washer                   |     |
| 14   | 1001166718  | 1   | Mount, Motor             |     |
| 15   | 1001196382  | 1   | Stud                     |     |
| 16   | 1001254899  | 1   | Mount                    |     |

SECTION 3 - ENGINE

FIGURE 3-31. BREATHER HEATER INSTALLATION - DEUTZ TD2.9L4 & TD2.3L3 ENGINES)  
(OPTIONAL)



ART\_1001233763



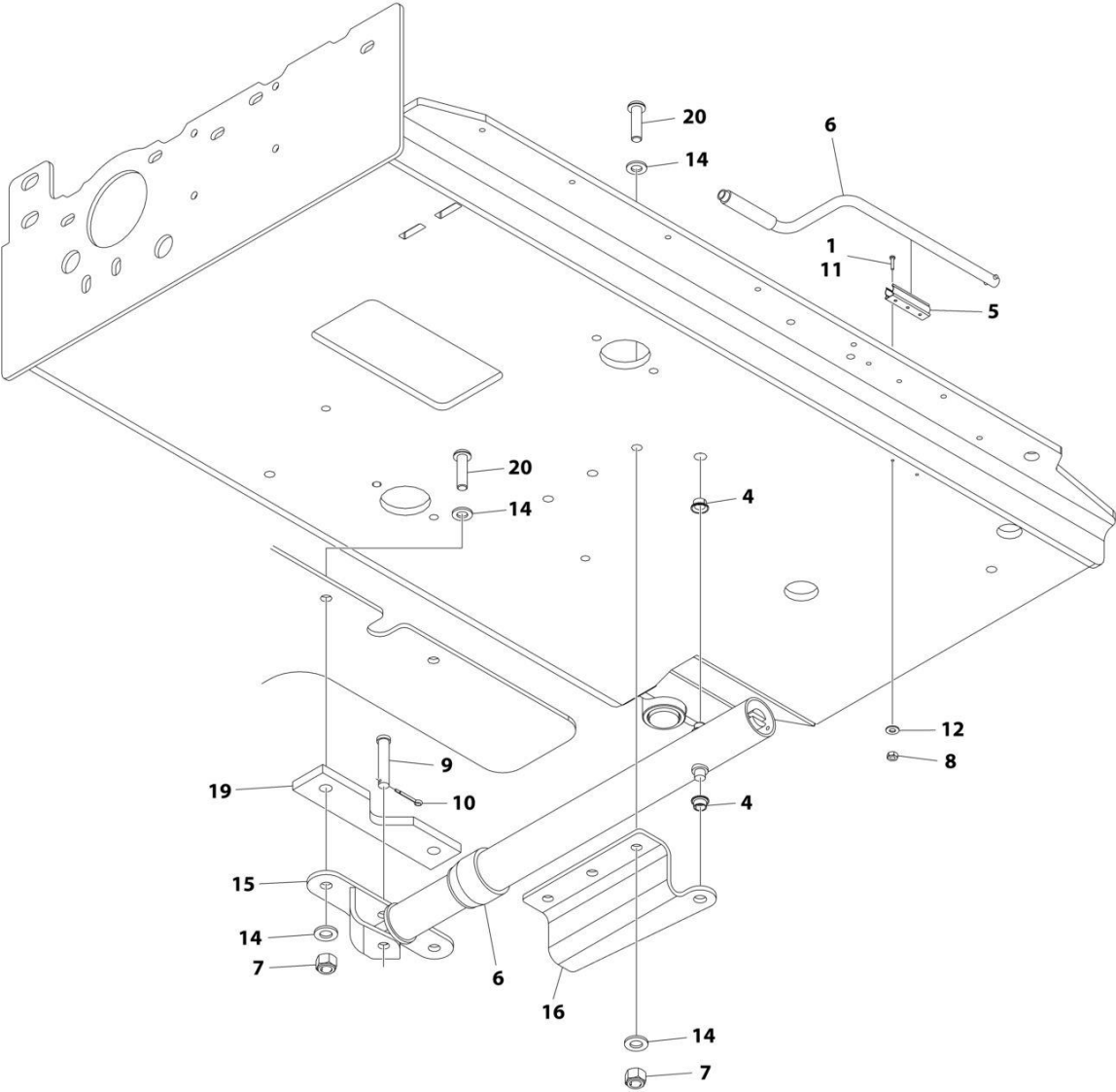
## SECTION 3 - ENGINE

**FIGURE 3-31. BREATHER HEATER INSTALLATION - DEUTZ TD2.9L4 & TD2.3L3 ENGINES)  
(OPTIONAL)**

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

SECTION 3 - ENGINE

FIGURE 3-32. TRAY JACK INSTALLATION (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)



ART\_1001186980\_E

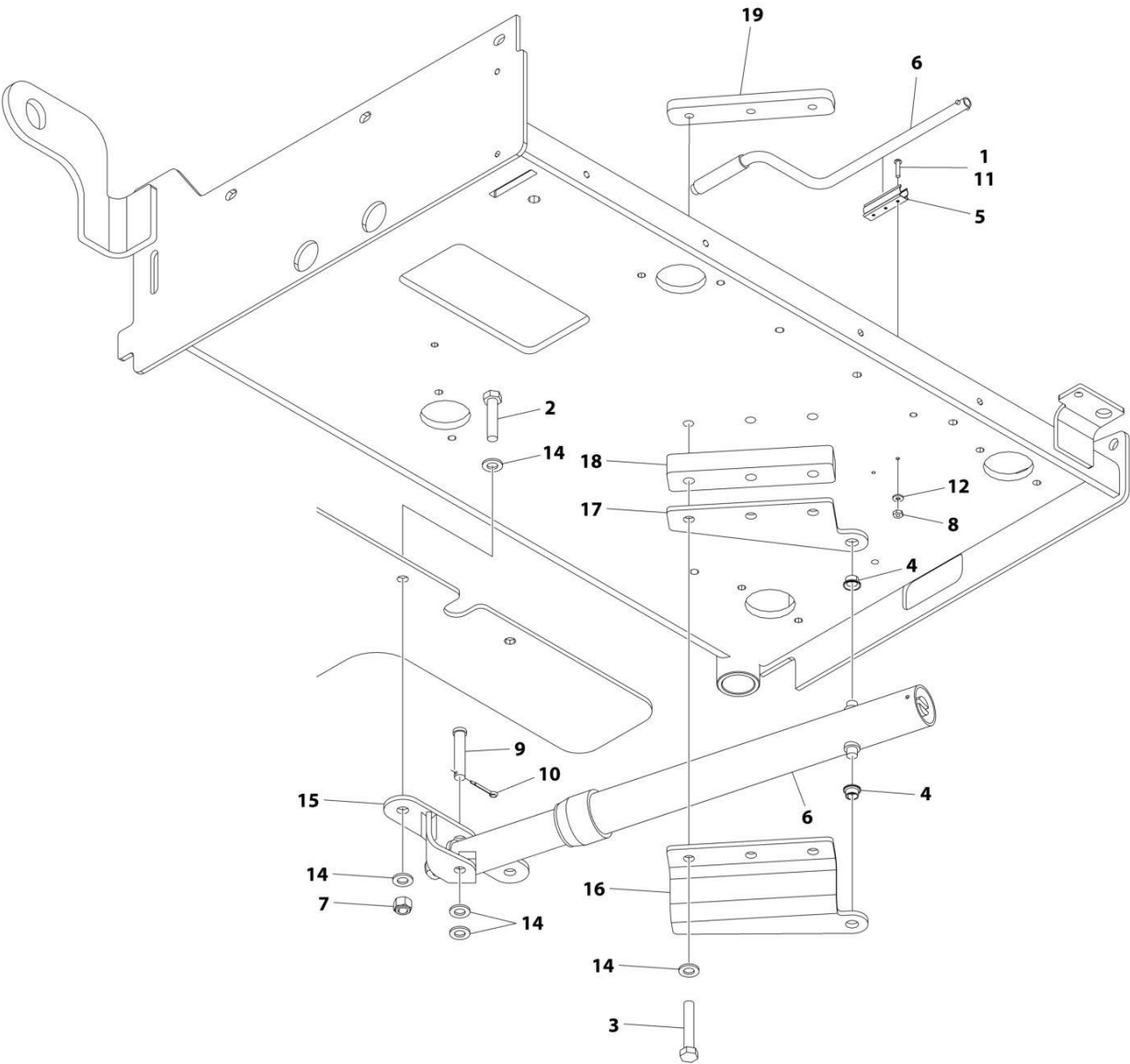
## SECTION 3 - ENGINE

**FIGURE 3-32. TRAY JACK INSTALLATION (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION               | REV |
|------|-------------|-----|---------------------------|-----|
|      | 1001186980  | Ref | TRAY JACK INSTALLATION    | E   |
| 1    | 0100011     | AR  | Compound, Locking         |     |
| 4    | 0962051     | 2   | Bearing                   |     |
| 5    | 1380147     | 1   | Clip                      |     |
| 6    | 2840016     | 1   | Jack and Handle Assembly  |     |
| 6    | 7024598     | 1   | Handle                    |     |
| 7    | 3291205     | 5   | Nut M12                   |     |
| 8    | 3290301     | 2   | Nut M3                    |     |
| 9    | 3430820     | 1   | Pin                       |     |
| 10   | 1001236121  | 1   | Pin                       |     |
| 11   | 4010308     | 2   | Screw M3 x 16             |     |
| 12   | 4811400     | 2   | Washer M4                 |     |
| 14   | 4812100     | 10  | Washer M12                |     |
| 15   | 1001166894  | 1   | Support                   |     |
| 16   | 1001175073  | 1   | Support                   |     |
| 19   | 1001186981  | 1   | Plate                     |     |
| 20   | 1001102978  | 5   | Screw M12 x 45 Grade 10.9 |     |

SECTION 3 - ENGINE

FIGURE 3-33. TRAY JACK INSTALLATION (DEUTZ TD2.2.L3 ENGINES)



ART\_1001244023\_C

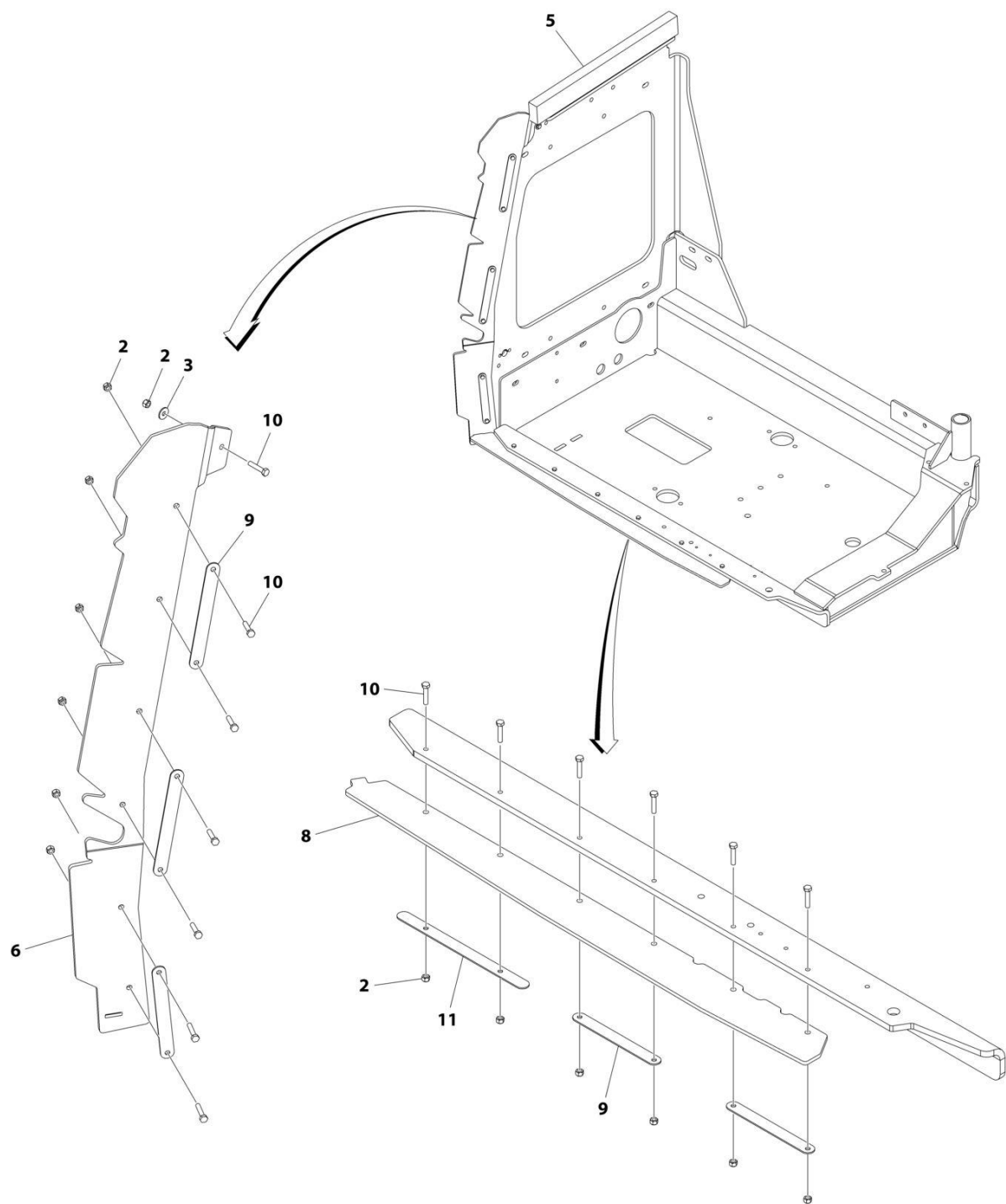
## SECTION 3 - ENGINE

**FIGURE 3-33. TRAY JACK INSTALLATION (DEUTZ TD2.2.L3 ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001244023  | Ref | TRAY JACK INSTALLATION   | C   |
| 1    | 0100011     | AR  | Compound, Locking        |     |
| 2    | 1001102978  | 2   | Bolt M12 x 45            |     |
| 3    | 0701222     | 3   | Bolt M12 x 70            |     |
| 4    | 0962051     | 2   | Bearing                  |     |
| 5    | 1380147     | 1   | Clip                     |     |
| 6    | 2840016     | 1   | Jack and Handle Assembly |     |
| 6    | 7024598     | 1   | Handle                   |     |
| 7    | 3291205     | 2   | Nut M12                  |     |
| 8    | 3290301     | 2   | Nut M3                   |     |
| 9    | 3430820     | 1   | Pin                      |     |
| 10   | 1001236121  | 1   | Pin                      |     |
| 11   | 4010308     | 2   | Screw M3 x 16            |     |
| 12   | 4811400     | 1   | Washer M4                |     |
| 14   | 4812100     | 9   | Washer M12               |     |
| 15   | 1001166894  | 1   | Support                  |     |
| 16   | 1001175073  | 1   | Support                  |     |
| 17   | 1001175074  | 1   | Support                  |     |
| 18   | 1001244025  | 1   | Shim                     |     |
| 19   | 1001254719  | 1   | Plate, Nut               |     |

SECTION 3 - ENGINE

FIGURE 3-34. ENGINE HOOD Baffles INSTALLATION - ABS HOODS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)



ART\_1001197268\_G

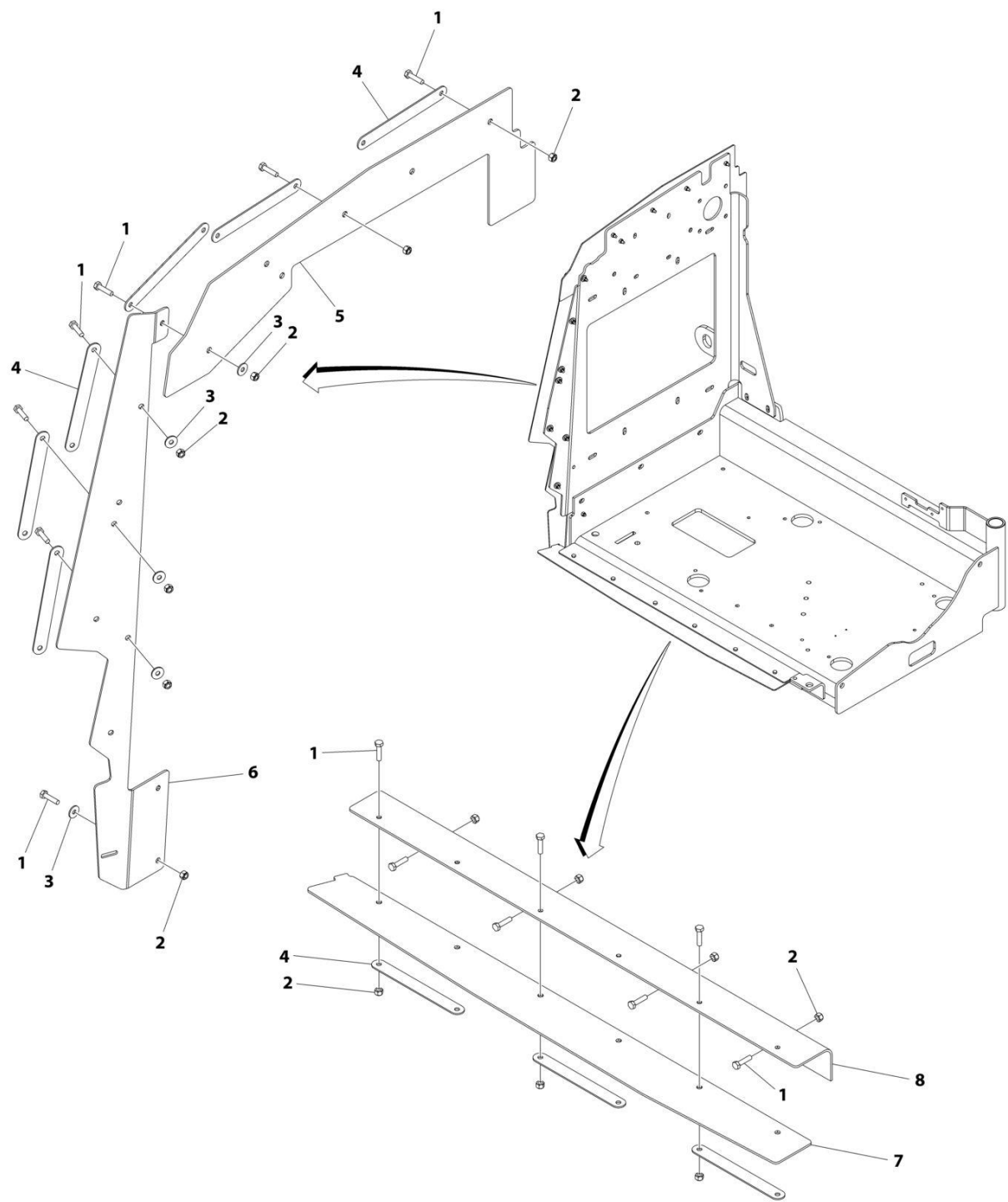
## SECTION 3 - ENGINE

**FIGURE 3-34. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                      | REV |
|------|-------------|-----|----------------------------------|-----|
|      | 1001197268  | Ref | ENGINE HOOD BAFFLES INSTALLATION | G   |
| 2    | 3290605     | 13  | Nut M6                           |     |
| 3    | 4811702     | 8   | Washer M6                        |     |
| 5    | 1001197389  | 1   | Seal                             |     |
| 6    | 1001234370  | 1   | Seal                             |     |
| 8    | 1001234371  | 1   | Seal                             |     |
| 9    | 1001167164  | 5   | Support                          |     |
| 10   | 0760614     | 13  | Bolt M6 x 30                     |     |
| 11   | 1001233429  | 1   | Support                          |     |

SECTION 3 - ENGINE

FIGURE 3-35. ENGINE HOOD Baffles INSTALLATION - ABS HOODS (DEUTZ D2.2L3 STAGE V ENGINES)



ART\_1001244119



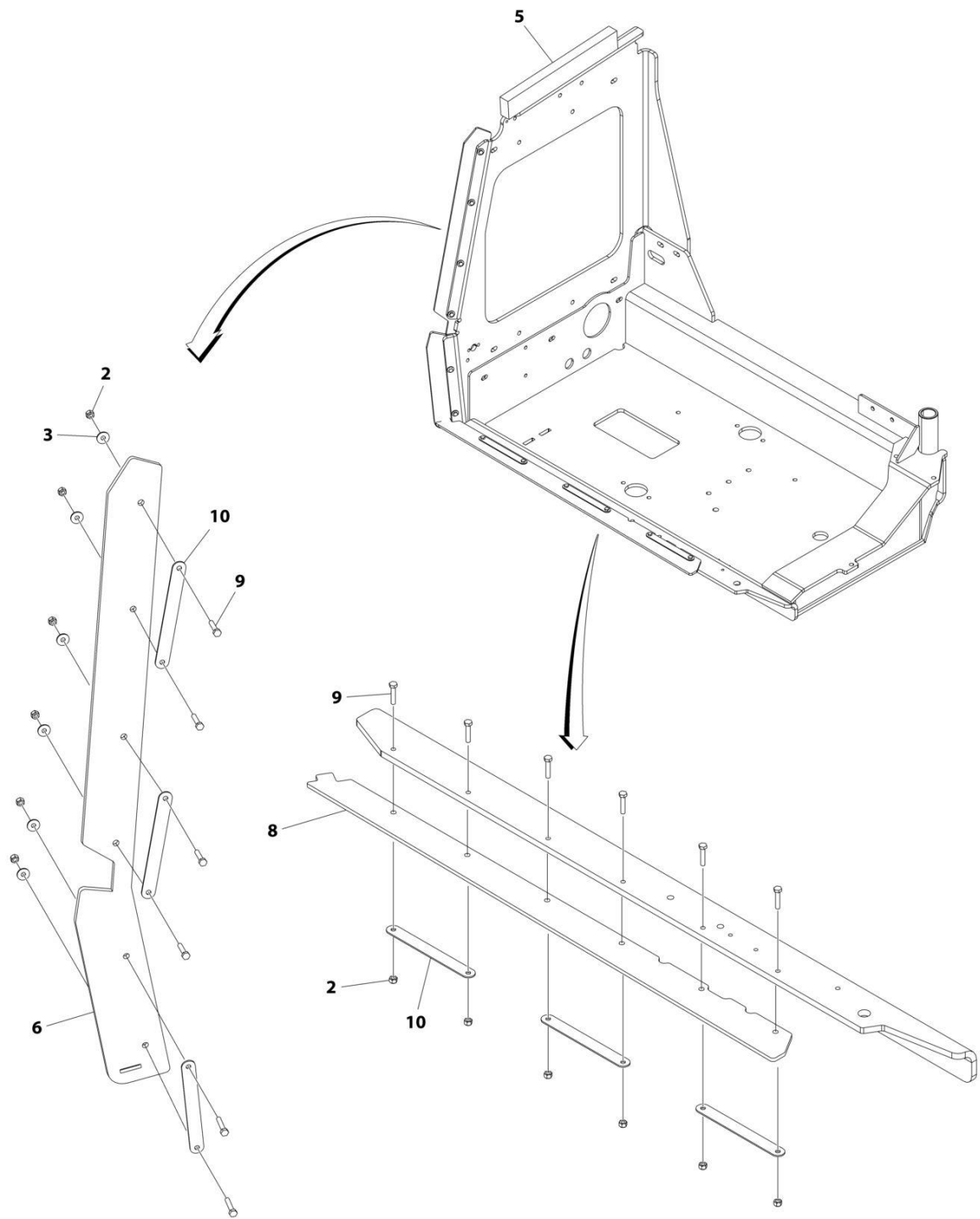
## SECTION 3 - ENGINE

**FIGURE 3-35. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2.2L3 STAGE V ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                      | REV |
|------|-------------|-----|----------------------------------|-----|
|      | 1001244119  | Ref | ENGINE HOOD BAFFLES INSTALLATION | B   |
| 1    | 0760612     | 24  | Bolt M6 x 25                     |     |
| 2    | 3290605     | 24  | Nut M6                           |     |
| 3    | 4811702     | 30  | Washer M6                        |     |
| 4    | 1001167164  | 9   | Support                          |     |
| 5    | 1001244120  | 1   | Seal                             |     |
| 6    | 1001244121  | 1   | Seal                             |     |
| 7    | 1001244122  | 1   | Seal                             |     |
| 8    | 1001244123  | 1   | Plate                            |     |

SECTION 3 - ENGINE

FIGURE 3-36. ENGINE HOOD Baffles INSTALLATION - STEEL HOODS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)



ART\_1001197269\_F

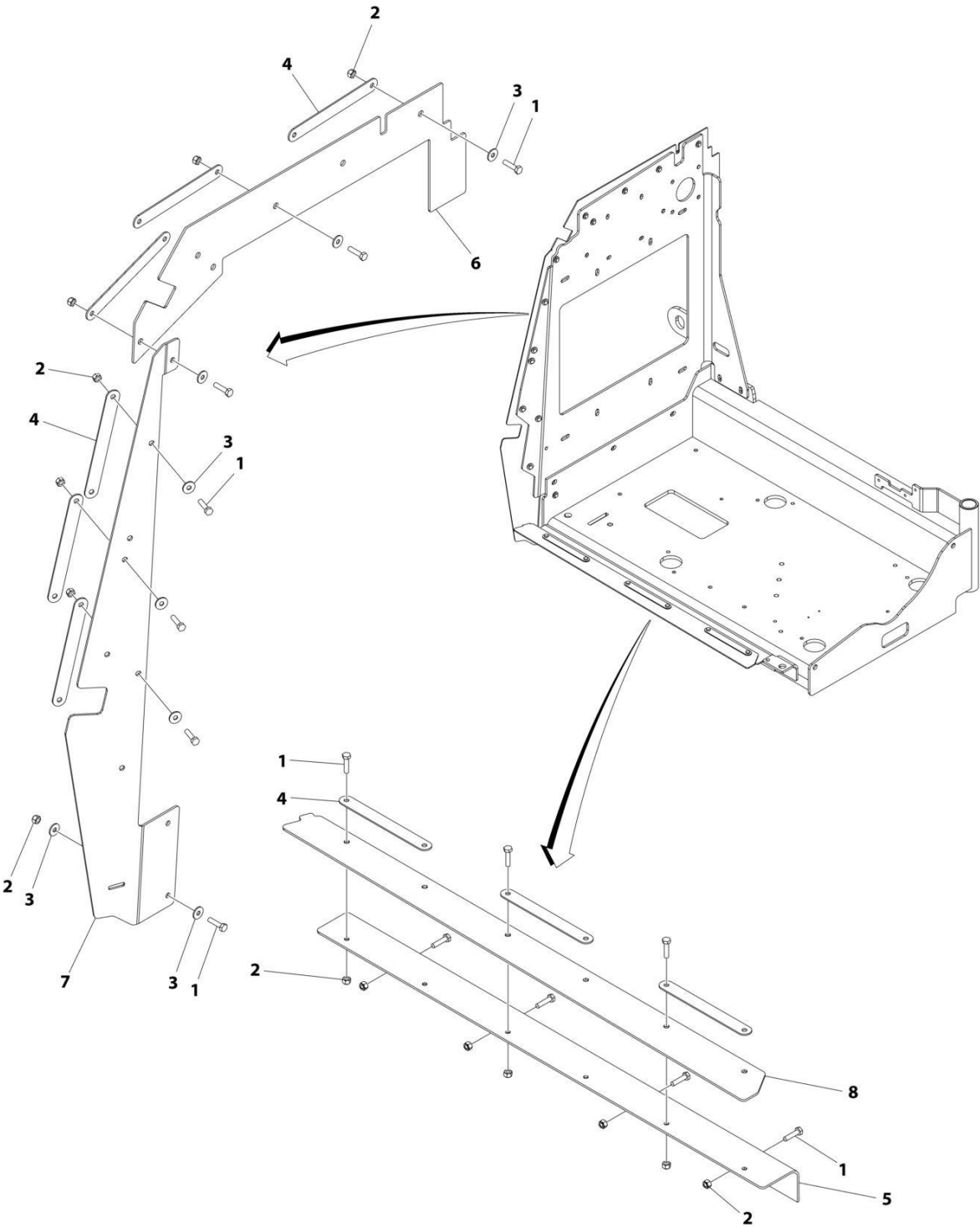
## SECTION 3 - ENGINE

**FIGURE 3-36. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2011 & DEUTZ TD2.9L4 ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                      | REV |
|------|-------------|-----|----------------------------------|-----|
|      | 1001197269  | Ref | ENGINE HOOD BAFFLES INSTALLATION | F   |
| 2    | 3290605     | AR  | Nut M6                           |     |
| 3    | 4811702     | AR  | Washer M6                        |     |
| 5    | 1001234281  | 1   | Seal                             |     |
| 6    | 1001234299  | 1   | Seal                             |     |
| 8    | 1001234283  | 1   | Seal                             |     |
| 9    | 0760614     | AR  | Bolt M6 x 30                     |     |
| 10   | 1001167164  | 6   | Support                          |     |

SECTION 3 - ENGINE

FIGURE 3-37. ENGINE HOOD Baffles INSTALLATION - STEEL HOODS (DEUTZ D2.2L3 STAGE V ENGINES)



ART\_1001244464

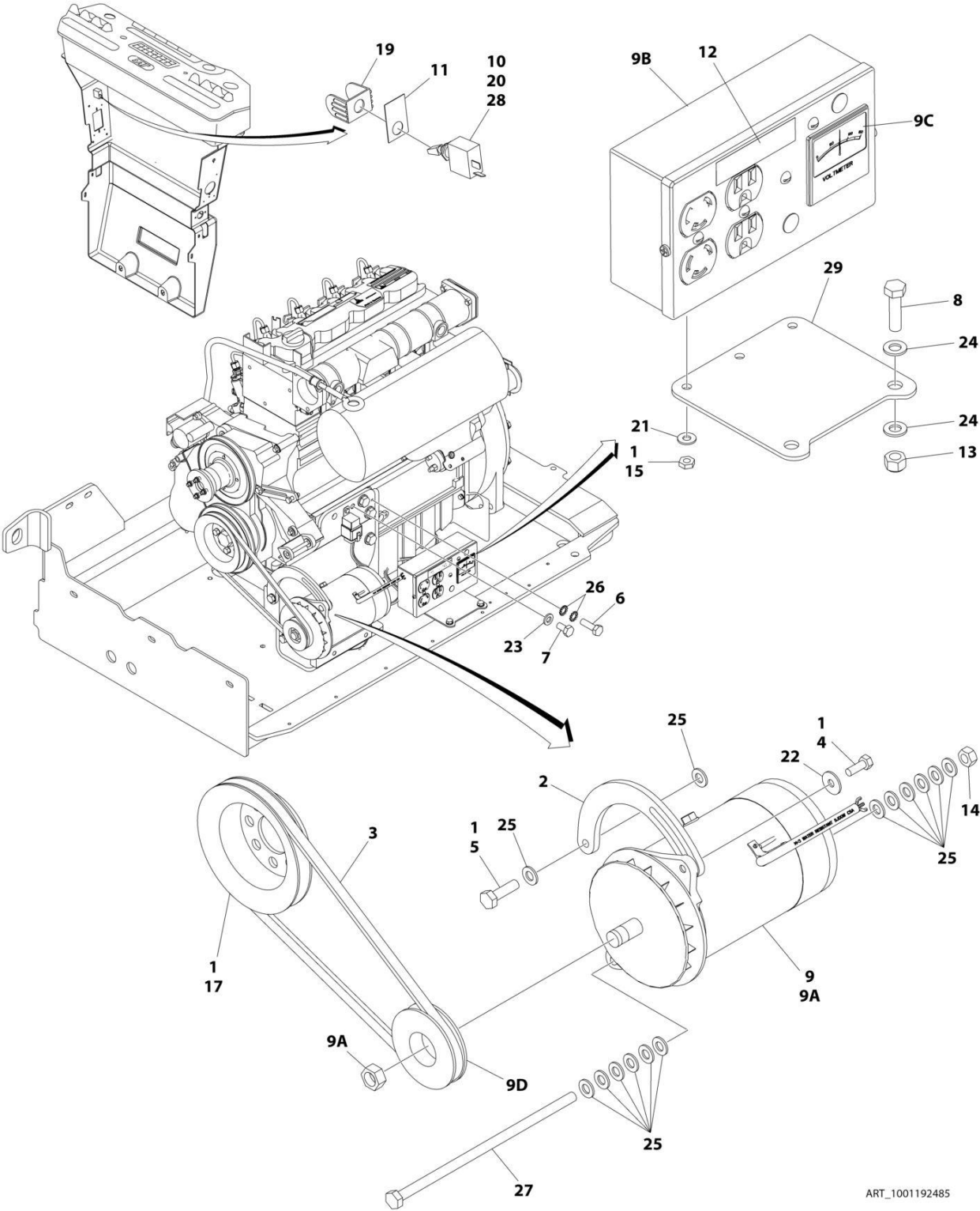
## SECTION 3 - ENGINE

**FIGURE 3-37. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2.2L3 STAGE V ENGINES)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                      | REV |
|------|-------------|-----|----------------------------------|-----|
|      | 1001244464  | Ref | ENGINE HOOD BAFFLES INSTALLATION | B   |
| 1    | 0760612     | 24  | Bolt M6 x 25                     |     |
| 2    | 3290605     | 24  | Nut M6                           |     |
| 3    | 4811702     | 30  | Washer M6                        |     |
| 4    | 1001167164  | 9   | Support                          |     |
| 5    | 1001244123  | 1   | Plate                            |     |
| 6    | 1001244468  | 1   | Seal                             |     |
| 7    | 1001244469  | 1   | Seal                             |     |
| 8    | 1001244470  | 1   | Seal                             |     |

SECTION 3 - ENGINE

FIGURE 3-38. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES)  
(OPTIONAL)



ART\_1001192485

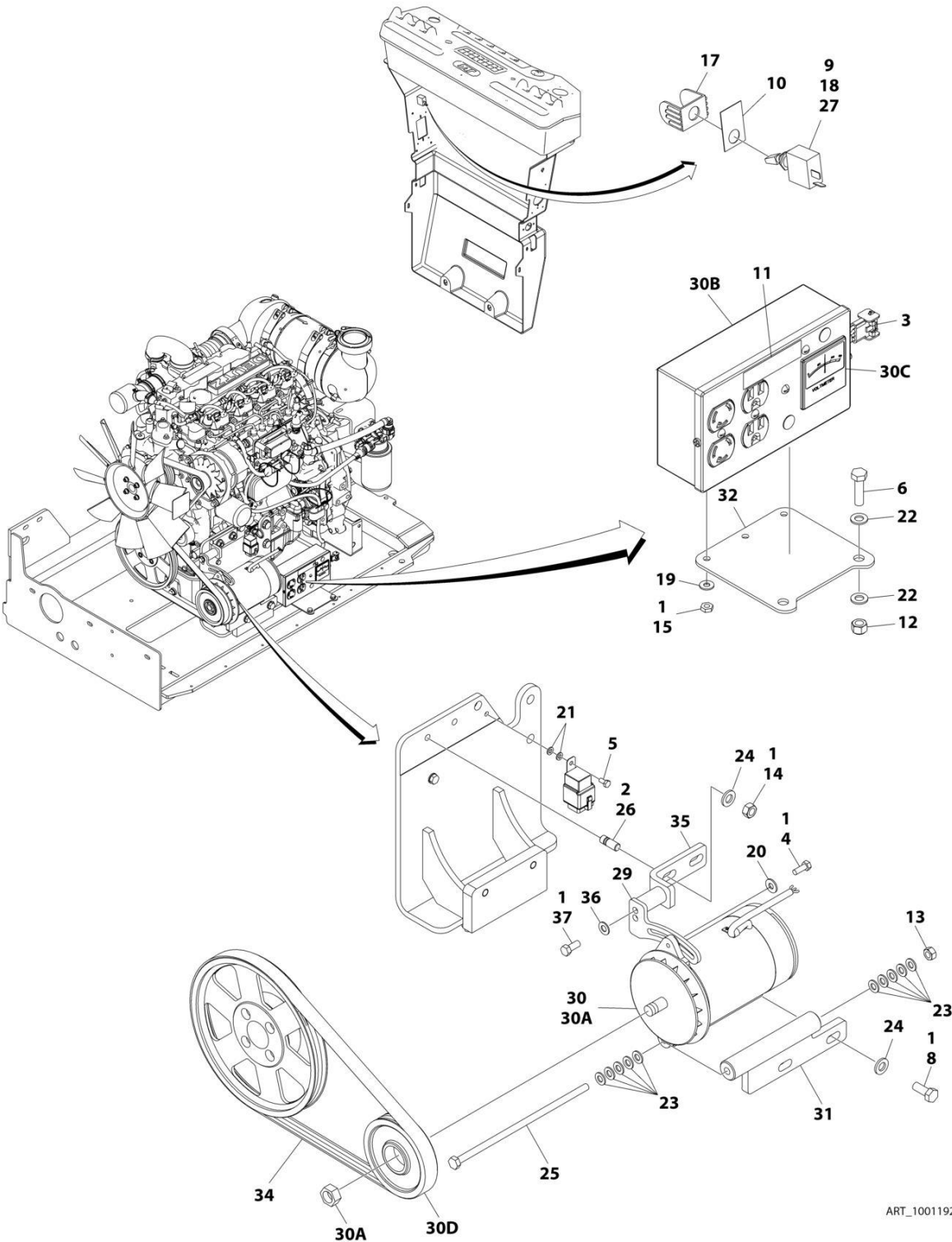
## SECTION 3 - ENGINE

**FIGURE 3-38. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES)  
(OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                             | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001192485  | Ref | 2500W GENERATOR INSTALLATION                                                                                                                            | F   |
| 1    | 0100011     | AR  | Compound, Locking                                                                                                                                       |     |
| 2    | 1001239716  | 1   | Arm, Adjusting                                                                                                                                          |     |
| 3    | 0480124     | 1   | Belt                                                                                                                                                    |     |
| 4    | 0641508     | 1   | Bolt 5/16 x 1                                                                                                                                           |     |
| 5    | 0761012     | 1   | Bolt M10 x 25                                                                                                                                           |     |
| 6    | 0700610     | 1   | Bolt M6 x 20                                                                                                                                            |     |
| 7    | 0760606     | 1   | Bolt M6 x 12                                                                                                                                            |     |
| 8    | 0760814     | 2   | Bolt M8 x 30                                                                                                                                            |     |
| 9    | 2460055     | 1   | Generator and Control Box Assembly                                                                                                                      |     |
| 9A   | 7012558     | 1   | Generator, Replacement                                                                                                                                  |     |
| 9A   |             | Ref | Note: Replacement Generators come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below. |     |
| 9A   | 7012513     | 4   | Cap, Brush Holder                                                                                                                                       |     |
| 9A   | 7020108     | 4   | Brush                                                                                                                                                   |     |
| 9A   | 7020109     | 4   | Holder, Brush                                                                                                                                           |     |
| 9A   | 7012514     | 1   | Fan                                                                                                                                                     |     |
| 9A   | 7020190     | 2   | Bearing                                                                                                                                                 |     |
| 9A   | 7020110     | 1   | Bell, Front                                                                                                                                             |     |
| 9A   | 7020111     | 1   | Bell, Rear                                                                                                                                              |     |
| 9B   | 7019680     | 1   | Box, Control                                                                                                                                            |     |
| 9B   | 4360542     | 1   | Breaker, Circuit                                                                                                                                        |     |
| 9B   | 4460190     | AR  | Receptacle, Standard                                                                                                                                    |     |
| 9B   | 4460027     | AR  | Receptacle, Twistlock                                                                                                                                   |     |
| 9C   | 2420203     | 1   | Voltmeter                                                                                                                                               |     |
| 9D   | 3580276     | 1   | Pulley                                                                                                                                                  |     |
| 9D   | 7027887     | 1   | Key, Woodruff                                                                                                                                           |     |
| 10   | 2820031     | AR  | Heat Shrink                                                                                                                                             |     |
| 11   | 3251102     | 1   | Nameplate - Generator On/Off                                                                                                                            |     |
| 12   | 3251243     | 1   | Decal - 120V-60Hz                                                                                                                                       |     |
| 13   | 3290805     | 2   | Nut M8                                                                                                                                                  |     |
| 14   | 3291007     | 1   | Nut M10                                                                                                                                                 |     |
| 15   | 3311001     | 2   | Nut #10                                                                                                                                                 |     |
| 17   | 3580158     | 1   | Pulley                                                                                                                                                  |     |
| 19   | 4060802     | 1   | Guard, Switch                                                                                                                                           |     |
| 20   | 4360336     | 1   | Switch, Toggle                                                                                                                                          |     |
| 21   | 4751000     | 1   | Washer #10                                                                                                                                              |     |
| 22   | 4811902     | 1   | Washer M8                                                                                                                                               |     |
| 23   | 4811700     | 1   | Washer M6                                                                                                                                               |     |
| 24   | 4811900     | 4   | Washer M8                                                                                                                                               |     |
| 25   | 4812000     | 14  | Washer M10                                                                                                                                              |     |
| 26   | 4871700     | 2   | Washer M6                                                                                                                                               |     |
| 27   | 1001119280  | 1   | Bolt M10 x 260                                                                                                                                          |     |
| 28   | 4922641     | 1   | Generator Switch Harness                                                                                                                                |     |
| 29   | 1001193167  | 1   | Plate, Mounting                                                                                                                                         |     |
| 30   | 1001194114  | 1   | Generator Harness - 2500W (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)                                                                    |     |

SECTION 3 - ENGINE

FIGURE 3-39. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES)  
(OPTIONAL)





## SECTION 3 - ENGINE

**FIGURE 3-39. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES)  
(OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                             | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001192280  | Ref | 2500W GENERATOR INSTALLATION                                                                                                                            | F   |
| 1    | 0100011     | AR  | Compound, Locking                                                                                                                                       |     |
| 2    | 0100019     | AR  | Compound, Locking                                                                                                                                       |     |
| 3    | 0100048     | AR  | Silicone                                                                                                                                                |     |
| 4    | 0641507     | 1   | Bolt 5/16 x 7/8                                                                                                                                         |     |
| 5    | 0760606     | 1   | Bolt M6 x 12                                                                                                                                            |     |
| 6    | 0760814     | 2   | Bolt M8 x 30                                                                                                                                            |     |
| 8    | 0761214     | 2   | Bolt M12 x 30                                                                                                                                           |     |
| 9    | 2820031     | AR  | Heat Shrink                                                                                                                                             |     |
| 10   | 3251102     | 1   | Nameplate - Generator On/Off                                                                                                                            |     |
| 11   | 3251243     | 1   | Decal - 120V-60Hz                                                                                                                                       |     |
| 12   | 3290805     | 2   | Nut M8                                                                                                                                                  |     |
| 13   | 3291007     | 1   | Nut M10                                                                                                                                                 |     |
| 14   | 3291201     | 2   | Nut M12                                                                                                                                                 |     |
| 15   | 3311001     | 2   | Nut #10                                                                                                                                                 |     |
| 17   | 4060802     | 1   | Guard, Switch                                                                                                                                           |     |
| 18   | 4360336     | 1   | Switch, Toggle                                                                                                                                          |     |
| 19   | 4751000     | 2   | Washer #10                                                                                                                                              |     |
| 20   | 4751500     | 1   | Washer 5/16                                                                                                                                             |     |
| 21   | 4811700     | 2   | Washer M6                                                                                                                                               |     |
| 22   | 4811900     | 4   | Washer M8                                                                                                                                               |     |
| 23   | 4812000     | 10  | Washer M10                                                                                                                                              |     |
| 24   | 5241200     | 4   | Washer M12                                                                                                                                              |     |
| 25   | 1001119280  | 1   | Bolt M10 x 260                                                                                                                                          |     |
| 26   | 1001196382  | 2   | Stud                                                                                                                                                    |     |
| 27   | 4922641     | 1   | Generator Switch Harness                                                                                                                                |     |
| 29   | 1001179837  | 1   | Arm, Adjusting                                                                                                                                          |     |
| 30   | 1001180001  | 1   | Generator and Control Box Assembly                                                                                                                      |     |
| 30A  | 7012558     | 1   | Generator, Replacement                                                                                                                                  |     |
| 30A  |             | Ref | Note: Replacement Generators come standard with p/n 3580134 pulley. This Pulley may not be correct for all applications. Refer to Pulley options below. |     |
| 30A  | 7026199     | 1   | Armature with Slip Rings                                                                                                                                |     |
| 30A  | 7012513     | 4   | Cap, Brush Holder                                                                                                                                       |     |
| 30A  | 7020108     | 4   | Brush                                                                                                                                                   |     |
| 30A  | 7020109     | 4   | Holder, Brush                                                                                                                                           |     |
| 30A  | 7012514     | 1   | Fan                                                                                                                                                     |     |
| 30A  | 7020110     | 1   | Bell, Front                                                                                                                                             |     |
| 30A  | 7020111     | 1   | Bell, Rear                                                                                                                                              |     |
| 30A  | 7020190     | 2   | Bearing                                                                                                                                                 |     |
| 30B  | 7019680     | 1   | Box, Control                                                                                                                                            |     |
| 30B  |             | Ref | Receptacle Options:                                                                                                                                     |     |
| 30B  | 4460190     | 1   | Receptacle, Standard                                                                                                                                    |     |
| 30B  | 4460027     | 1   | Receptacle, Twistlock                                                                                                                                   |     |
| 30B  | 4360542     | 1   | Breaker, Circuit                                                                                                                                        |     |
| 30B  | 3520028     | 1   | Plug, Hole                                                                                                                                              |     |
| 30C  | 2420203     | 1   | Voltmeter                                                                                                                                               |     |
| 30D  | 3580276     | 1   | Pulley                                                                                                                                                  |     |
| 30D  | 7027887     | 1   | Key, Woodruff                                                                                                                                           |     |

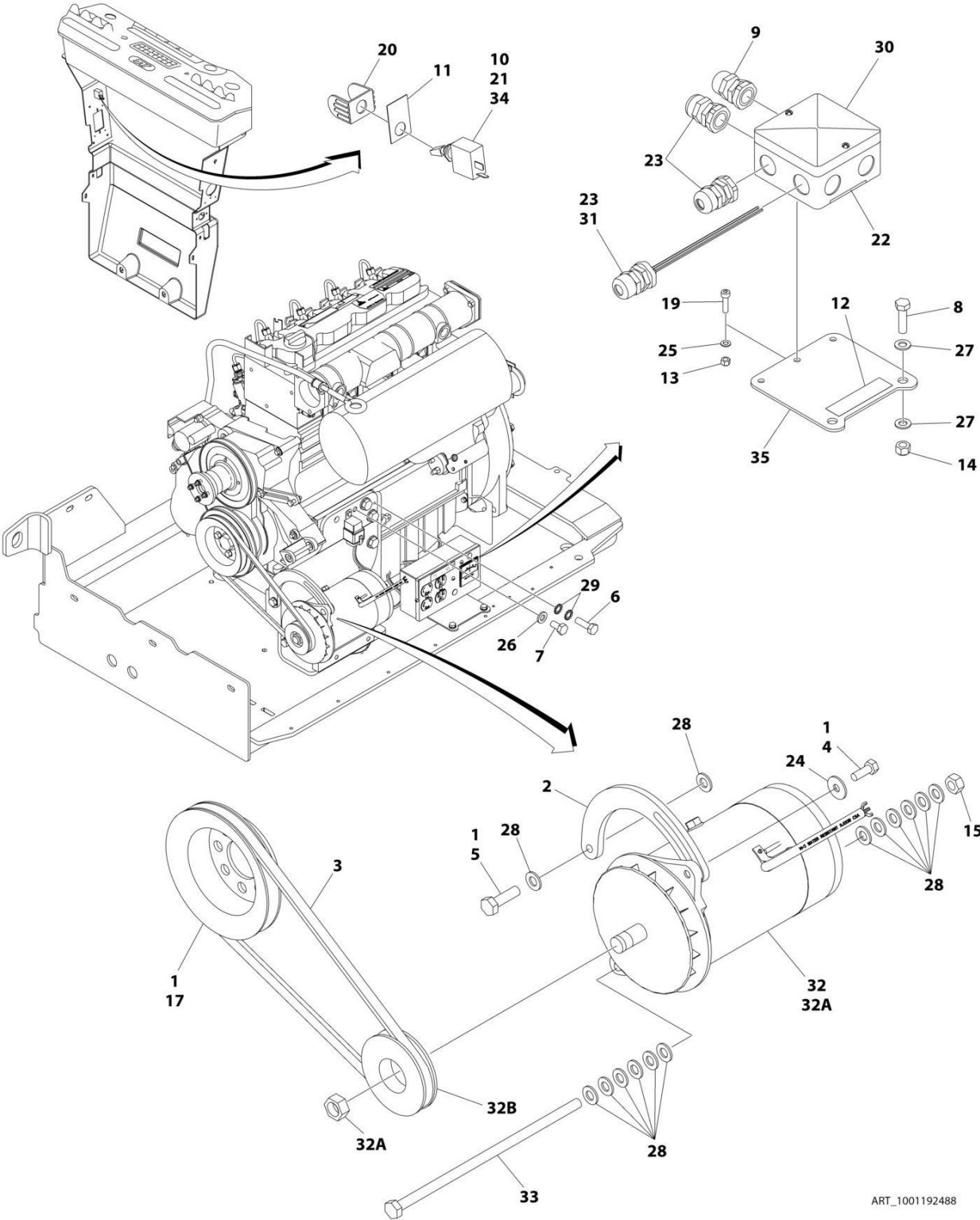
## SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                          | REV |
|------|-------------|-----|--------------------------------------------------------------------------------------|-----|
| 31   | 1001181243  | 1   | Mount (Lower)                                                                        |     |
| 32   | 1001193167  | 1   | Plate                                                                                |     |
| 33   | 1001194114  | 1   | Generator Harness - 2500W (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION) |     |
| 34   | 1001148138  | 1   | Belt                                                                                 |     |
| 35   | 1001216015  | 1   | Mount (Upper)                                                                        |     |
| 36   | 4711600     | 1   | Washer 3/8                                                                           |     |
| 37   | 0641607     | 1   | Bolt 3/8 x 7/8                                                                       |     |



SECTION 3 - ENGINE

FIGURE 3-40. 2500W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES)  
(OPTIONAL)



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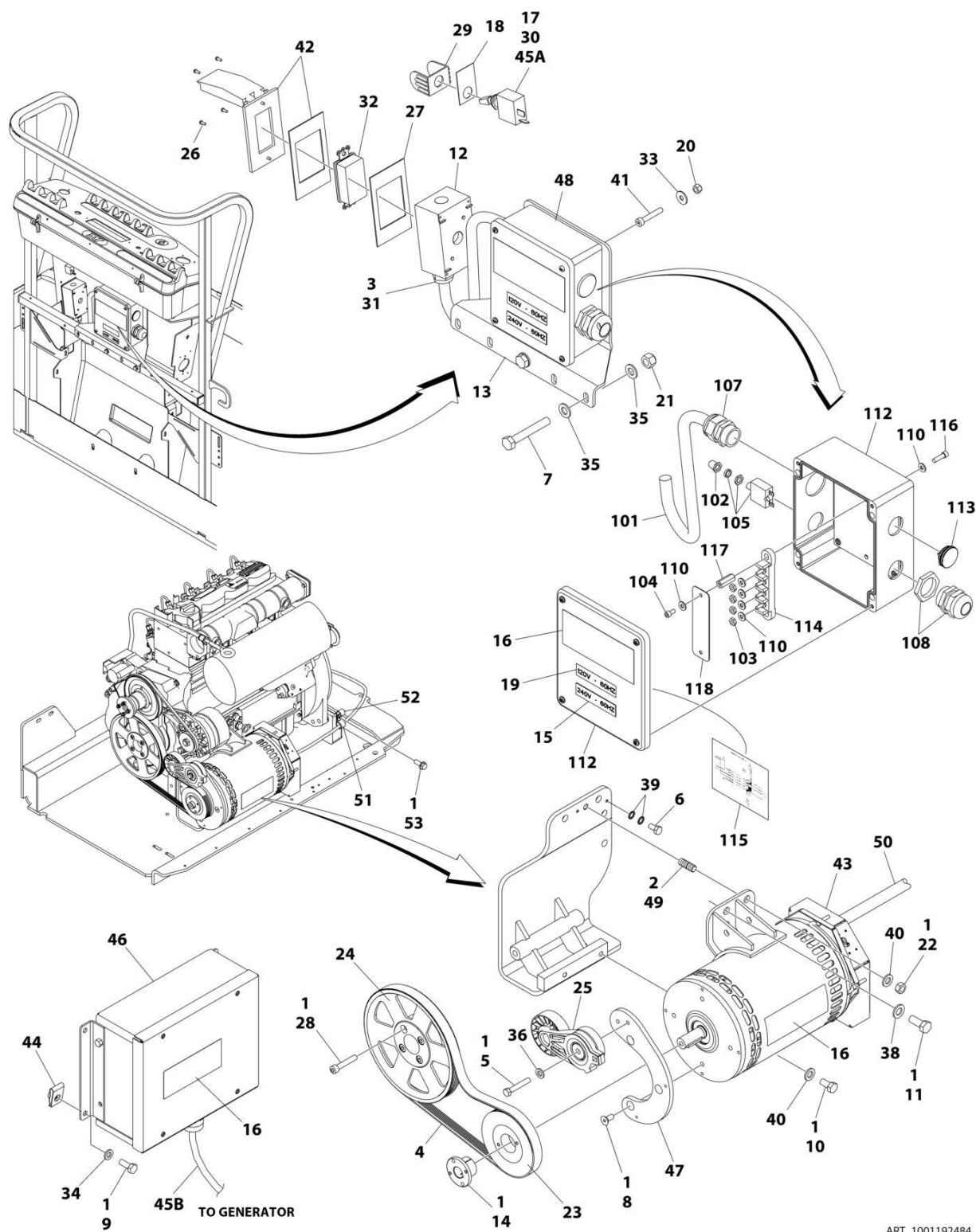
## SECTION 3 - ENGINE

**FIGURE 3-40. 2500W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES)  
(OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                             | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001192488  | Ref | 2500W GENERATOR INSTALLATION                                                                                                                            | F   |
| 1    | 0100011     | AR  | Compound, Locking                                                                                                                                       |     |
| 2    | 1001239716  | 1   | Arm, Adjusting                                                                                                                                          |     |
| 3    | 0480124     | 1   | Belt, Generator                                                                                                                                         |     |
| 4    | 0641508     | 1   | Bolt 5/16 x 1                                                                                                                                           |     |
| 5    | 0761012     | 1   | Bolt M10 x 25                                                                                                                                           |     |
| 6    | 0700610     | 1   | Bolt M6 x 20                                                                                                                                            |     |
| 7    | 0760606     | 1   | Bolt M6 x 12                                                                                                                                            |     |
| 8    | 0760814     | 2   | Bolt M8 x 30                                                                                                                                            |     |
| 9    | 0962449     | 1   | Bushing                                                                                                                                                 |     |
| 10   | 2820031     | AR  | Heat Shrink                                                                                                                                             |     |
| 11   | 3251102     | 1   | Nameplate - Generator On/Off                                                                                                                            |     |
| 12   | 3252507     | 1   | Decal - 220 Volt                                                                                                                                        |     |
| 13   | 3290505     | 1   | Nut M5                                                                                                                                                  |     |
| 14   | 3290805     | 2   | Nut M8                                                                                                                                                  |     |
| 15   | 3291007     | 1   | Nut M10                                                                                                                                                 |     |
| 17   | 3580158     | 1   | Pulley                                                                                                                                                  |     |
| 19   | 4031608     | 1   | Capscrew M5 x 20                                                                                                                                        |     |
| 20   | 4060802     | 1   | Guard, Switch                                                                                                                                           |     |
| 21   | 4360336     | 1   | Switch, Toggle                                                                                                                                          |     |
| 22   | 4420060     | 1   | Tape                                                                                                                                                    |     |
| 23   | 4460968     | 3   | Connector, Strain Relief                                                                                                                                |     |
| 24   | 4811902     | 1   | Washer M8                                                                                                                                               |     |
| 25   | 4811600     | 1   | Washer M5                                                                                                                                               |     |
| 26   | 4811700     | 1   | Washer M6                                                                                                                                               |     |
| 27   | 4811900     | 4   | Washer M8                                                                                                                                               |     |
| 28   | 4812000     | 14  | Washer M10                                                                                                                                              |     |
| 29   | 4871700     | 2   | Washer M6                                                                                                                                               |     |
| 30   | 1001099869  | 1   | Box, Junction                                                                                                                                           |     |
| 31   | 1001100234  | 1   | Lamp, Red                                                                                                                                               |     |
| 32   | 1001100321  | 1   | Generator Assembly                                                                                                                                      |     |
| 32A  |             | Ref | Note: Replacement Generators come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below. |     |
| 32A  | 70000123    | 1   | Armature with Slip Rings                                                                                                                                |     |
| 32A  | 7012513     | 4   | Cap, Brush Holder                                                                                                                                       |     |
| 32A  | 7020108     | 4   | Brush                                                                                                                                                   |     |
| 32A  | 7020109     | 4   | Holder, Brush                                                                                                                                           |     |
| 32A  | 7012514     | 1   | Fan                                                                                                                                                     |     |
| 32A  | 7020110     | 1   | Bell, Front                                                                                                                                             |     |
| 32A  | 7020111     | 1   | Bell, Rear                                                                                                                                              |     |
| 32A  | 7020190     | 2   | Bearing                                                                                                                                                 |     |
| 32B  | 3580134     | 1   | Pulley                                                                                                                                                  |     |
| 32B  | 7027887     | 1   | Key, Woodruff                                                                                                                                           |     |
| 33   | 1001119280  | 1   | Bolt M10 x 260                                                                                                                                          |     |
| 34   | 4922641     | 1   | Generator Switch Harness                                                                                                                                |     |
| 35   | 1001193167  | 1   | Plate                                                                                                                                                   |     |
| 36   | 1001194114  | 1   | Generator Harness - 2500W (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)                                                                    |     |

SECTION 3 - ENGINE

FIGURE 3-41. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES)  
(OPTIONAL)



ART\_1001192484

## SECTION 3 - ENGINE

**FIGURE 3-41. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES)  
(OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                  | REV |
|------|-------------|-----|------------------------------|-----|
|      | 1001192484  | Ref | 4000W GENERATOR INSTALLATION | H   |
| 1    | 0100011     | AR  | Compound, Locking            |     |
| 2    | 0100019     | AR  | Compound, Locking            |     |
| 3    | 0100079     | AR  | Sealant                      |     |
| 4    | 1001136356  | 1   | Belt                         |     |
| 5    | 0641618     | 1   | Bolt 3/8 x 2-1/4             |     |
| 6    | 0760606     | 1   | Bolt M6 x 12                 |     |
| 7    | 0700819     | 1   | Bolt M8 x 55                 |     |
| 8    | 0741607     | 3   | Screw 3/8 x 7/8              |     |
| 9    | 0760608     | 4   | Bolt M6 x 16                 |     |
| 10   | 0761212     | 2   | Bolt M12 x 25                |     |
| 11   | 0771415     | 1   | Bolt M14 x 35                |     |
| 12   | 0860038     | 1   | Box, Receptacle              |     |
| 13   | 0902888     | 1   | Bracket                      |     |
| 14   | 0962520     | 1   | Bushing, Split               |     |
| 15   | 1705374     | 1   | Decal - 240V-60Hz            |     |
| 16   | 1705387     | 3   | Decal - Hazardous Voltage    |     |
| 17   | 2820031     | AR  | Heat Shrink                  |     |
| 18   | 3251102     | 1   | Nameplate - Generator On/Off |     |
| 19   | 3251243     | 1   | Decal - 120V-60Hz            |     |
| 20   | 3290505     | 4   | Nut M5                       |     |
| 21   | 3290805     | 2   | Nut M8                       |     |
| 22   | 3291201     | 1   | Nut M12                      |     |
| 23   | 3580318     | 1   | Pulley                       |     |
| 24   | 3580320     | 1   | Pulley                       |     |
| 25   | 3580317     | 1   | Tensioner, Belt              |     |
| 26   | 3910606     | 4   | Screw #6 x 3/8               |     |
| 27   | 3960422     | 1   | Gasket                       |     |
| 28   | 4032015     | 4   | Capscrew M10 x 55            |     |
| 29   | 4060802     | 1   | Guard, Switch                |     |
| 30   | 4360336     | 1   | Switch, Toggle               |     |
| 31   | 4460071     | 1   | Connector, Strain Relief     |     |
| 32   | 4460346     | 1   | Receptacle                   |     |
| 33   | 4811602     | 4   | Washer M5                    |     |
| 34   | 4811700     | 4   | Washer M6                    |     |
| 35   | 4811900     | 4   | Washer M8                    |     |
| 36   | 5241000     | 1   | Washer M10                   |     |
| 38   | 5241400     | 1   | Washer M14                   |     |
| 39   | 4871700     | 2   | Washer M6                    |     |
| 40   | 5241200     | 3   | Washer M12                   |     |
| 41   | 1001104029  | 4   | Capscrew M5 x 30 Grade 12.9  |     |
| 42   | 1001110873  | 1   | Cover, Receptacle            |     |
| 43   | 1001129858  | 1   | Generator Assembly (60Hz)    |     |
| 43   | 70003709    | 1   | Ring, Retaining (External)   |     |
| 43   | 70003708    | 1   | Ring, Retaining (Internal)   |     |
| 43   | 70001966    | 1   | Bearing                      |     |
| 43   | 70004092    | 1   | Endbell (Shaft End)          |     |
| 43   | 70004171    | 1   | Key                          |     |
| 43   | 70004676    | 1   | Rotor                        |     |

## SECTION 3 - ENGINE

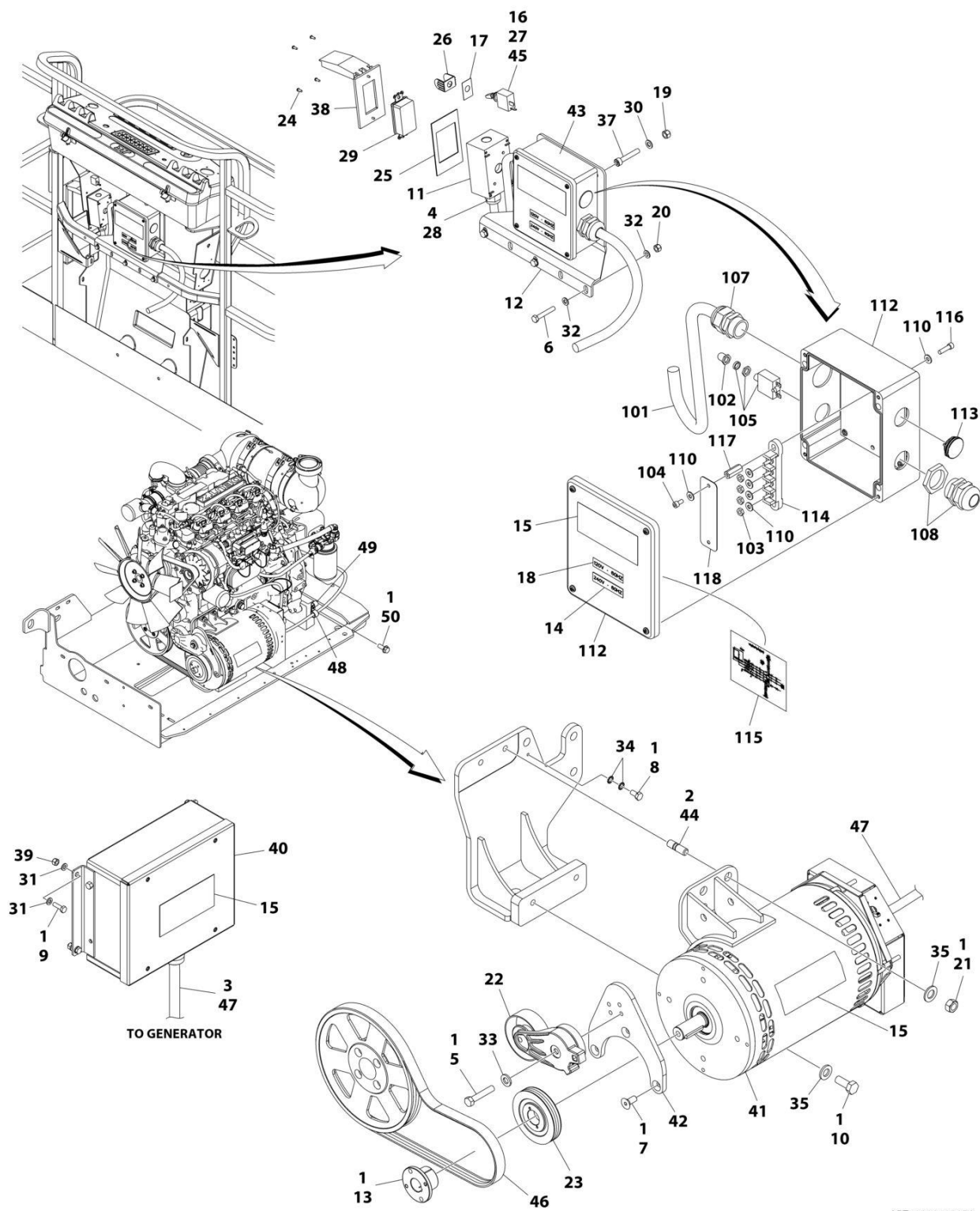
| ITEM | PART NUMBER | QTY             | DESCRIPTION                                                      | REV |
|------|-------------|-----------------|------------------------------------------------------------------|-----|
| 43   | 70004684    | 1               | Stator                                                           |     |
| 43   | 70004678    | 1               | Endbell (Rear)                                                   |     |
| 43   | 70004679    | 1               | Cover, Endbell (Rear)                                            |     |
| 43   | 70004680    | 1               | Enclosure, Wiring                                                |     |
| 43   | 70004685    | 1               | Cover, Enclosure                                                 |     |
| 43   | 70004682    | 1               | Switch, Reset (Located on Enclosure Cover)                       |     |
| 43   | 70004098    | 1               | Connector, Strain Relief (Located on Enclosure Cover)            |     |
| 44   | 1001130220  | 4               | Nut, Tinnerman M6                                                |     |
| 45A  | 4922641     | 1               | Generator Switch Harness                                         |     |
| 45B  | 1001153197  | 1               | Generator to Engine Harness                                      |     |
| 45B  | 4460967     | 1               | Connector - 3 Position                                           |     |
| 45B  | 4460465     | 2               | Socket, Female                                                   |     |
| 46   | 1001138566  | 1               | Box, Control                                                     |     |
| 46   | 70006552    | 1               | Capacitor                                                        |     |
| 46   | 70006553    | 1               | Relay                                                            |     |
| 47   | 1001139357  | 1               | Mount                                                            |     |
| 48   | 1001152457  | 1               | Junction Box Assembly (See Items 101-118 for Breakdown)          |     |
| 49   | 1001196382  | 1               | Stud                                                             |     |
| 50   | 1001152532  | 1               | Generator Harness (See Separate Breakdown in ELECTRICAL SECTION) |     |
| 51   | 7274000040  | 1               | Clamp                                                            |     |
| 52   | 1320061     | 1               | Clamp                                                            |     |
| 53   | 5251012     | 1               | Bolt M10 x 25                                                    |     |
|      | 1001152457  | Ref             | JUNCTION BOX ASSEMBLY                                            |     |
| 101  | 1001179154  | 2.5 ft/<br>0.8m | Cable, Electrical - 12/3                                         |     |
| 102  | 3300396     | 1               | Cover, Breaker                                                   |     |
| 103  | 3311001     | 4               | Nut #10                                                          |     |
| 104  | 3900300     | 2               | Screw                                                            |     |
| 105  | 4360070     | 1               | Breaker, Circuit - 15Amp                                         |     |
| 107  | 4460425     | 1               | Connector, Strain Relief (LH Side)                               |     |
| 108  | 4460426     | 1               | Connector, Strain Relief (RH Side)                               |     |
| 110  | 4711000     | 8               | Washer #10                                                       |     |
| 112  | 1001152456  | 1               | Box, Junction                                                    |     |
| 113  | 1001152525  | 1               | Plug                                                             |     |
| 114  | 1001152530  | 1               | Terminal, Block                                                  |     |
| 115  | 1001153260  | 1               | Decal - Wiring Diagram                                           |     |
| 116  | 3900267     | 2               | Screw                                                            |     |
| 117  | 1001158008  | 2               | Stand-Off                                                        |     |
| 118  | 1001158363  | 1               | Cover, Terminal Block                                            |     |





SECTION 3 - ENGINE

FIGURE 3-42. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES)  
(OPTIONAL)



## SECTION 3 - ENGINE

**FIGURE 3-42. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES)  
(OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                  | REV |
|------|-------------|-----|------------------------------|-----|
|      | 1001192279  | Ref | 4000W GENERATOR INSTALLATION | F   |
| 1    | 0100011     | AR  | Compound, Locking            |     |
| 2    | 0100019     | AR  | Compound, Locking            |     |
| 3    | 0100048     | AR  | Compound, Locking            |     |
| 4    | 0100079     | AR  | Sealant                      |     |
| 5    | 0641616     | 1   | Bolt 3/8 x 2                 |     |
| 6    | 0700819     | 2   | Bolt M8 x 55                 |     |
| 7    | 0741607     | 3   | Screw 3/8 x 7/8              |     |
| 8    | 0760606     | 1   | Bolt M6 x 12                 |     |
| 9    | 0760608     | 4   | Bolt M6 x 16                 |     |
| 10   | 0761212     | 2   | Bolt M12 x 25                |     |
| 11   | 0860038     | 1   | Box, Receptacle              |     |
| 12   | 0902888     | 1   | Bracket                      |     |
| 13   | 0962520     | 1   | Bushing, Split               |     |
| 14   | 1705374     | 1   | Decal - 240V-60Hz            |     |
| 15   | 1705387     | 3   | Decal - Hazardous Voltage    |     |
| 16   | 2820031     | AR  | Heat Shrink                  |     |
| 17   | 3251102     | 1   | Nameplate - Generator On/Off |     |
| 18   | 3251243     | 1   | Decal - 120V-60Hz            |     |
| 19   | 3290505     | 4   | Nut M5                       |     |
| 20   | 3290805     | 2   | Nut M8                       |     |
| 21   | 3291201     | 2   | Nut M12                      |     |
| 22   | 3580317     | 1   | Tensioner, Belt              |     |
| 23   | 3580318     | 1   | Pulley                       |     |
| 24   | 3910606     | 4   | Screw #6 x 3/8               |     |
| 25   | 3960422     | 1   | Gasket                       |     |
| 26   | 4060802     | 1   | Guard, Switch                |     |
| 27   | 4360336     | 1   | Switch, Toggle               |     |
| 28   | 4460071     | 1   | Connector, Strain Relief     |     |
| 29   | 4460346     | 1   | Receptacle                   |     |
| 30   | 4811602     | 4   | Washer M5                    |     |
| 31   | 4811700     | 4   | Washer M6                    |     |
| 32   | 4811900     | 4   | Washer M8                    |     |
| 33   | 5241000     | 1   | Washer M10                   |     |
| 34   | 4871700     | 2   | Washer M6                    |     |
| 35   | 5241200     | 4   | Washer M12                   |     |
| 37   | 1001104029  | 4   | Capscrew M5 x 30 Grade 12.9  |     |
| 38   | 1001110873  | 1   | Cover                        |     |
| 39   | 1001130220  | 4   | Nut, Tinnerman M6            |     |
| 40   | 1001138566  | 1   | Box, Control                 |     |
| 40   | 70006552    | 1   | Capacitor                    |     |
| 40   | 70006553    | 1   | Relay                        |     |
| 41   | 1001140346  | 1   | Generator Assembly (60Hz)    |     |
| 41   | 70003709    | 1   | Ring, Retaining (External)   |     |
| 41   | 70003708    | 1   | Ring, Retaining (Internal)   |     |
| 41   | 70001966    | 1   | Bearing                      |     |
| 41   | 70004092    | 1   | Endbell (Shaft End)          |     |
| 41   | 70004099    | 1   | Key                          |     |
| 41   | 70004676    | 1   | Rotor                        |     |

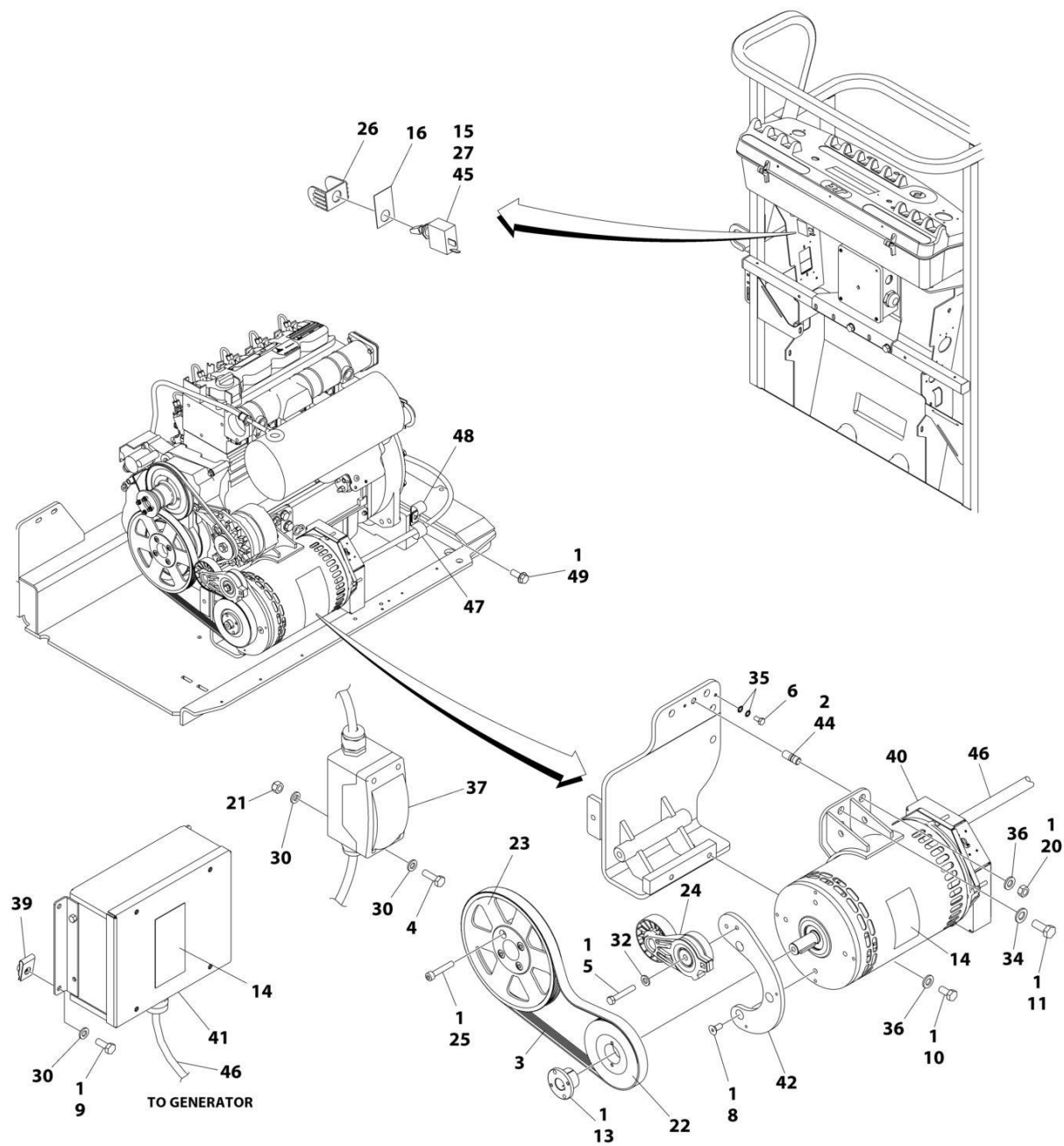
## SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                                      | REV |
|------|-------------|-----------------|------------------------------------------------------------------|-----|
| 41   | 70004687    | 1               | Stator                                                           |     |
| 41   | 70004678    | 1               | Endbell (Rear)                                                   |     |
| 41   | 70004679    | 1               | Cover, Endbell (Rear)                                            |     |
| 41   | 70004680    | 1               | Enclosure, Wiring                                                |     |
| 41   | 70004685    | 1               | Cover, Enclosure                                                 |     |
| 41   | 70004682    | 1               | Switch, Reset (Located on Enclosure Cover)                       |     |
| 41   | 70004098    | 1               | Connector, Strain Relief (Located on Enclosure Cover)            |     |
| 42   | 1001142643  | 1               | Support                                                          |     |
| 43   | 1001152457  | 1               | Junction Box Assembly (See Items 101-118 for Breakdown)          |     |
| 44   | 1001196382  | 2               | Stud                                                             |     |
| 45   | 4922641     | 1               | Generator Switch Harness                                         |     |
| 46   | 1001142646  | 1               | Belt                                                             |     |
| 47   | 1001152532  | 1               | Generator Harness (See Separate Breakdown in ELECTRICAL SECTION) |     |
| 48   | 7274000040  | 1               | Clamp                                                            |     |
| 49   | 1320061     | 1               | Clamp                                                            |     |
| 50   | 5251012     | 1               | Bolt M10 x 25                                                    |     |
|      | 1001152457  | Ref             | JUNCTION BOX ASSEMBLY                                            |     |
| 101  | 1001179154  | 2.5 ft/<br>0.8m | Cable, Electrical - 12/3                                         |     |
| 102  | 3300396     | 1               | Cover, Breaker                                                   |     |
| 103  | 3311001     | 4               | Nut #10                                                          |     |
| 104  | 3900300     | 2               | Screw                                                            |     |
| 105  | 4360070     | 1               | Breaker, Circuit - 15Amp                                         |     |
| 107  | 4460425     | 1               | Connector, Strain Relief (LH Side)                               |     |
| 108  | 4460426     | 1               | Connector, Strain Relief (RH Side)                               |     |
| 110  | 4711000     | 8               | Washer #10                                                       |     |
| 112  | 1001152456  | 1               | Box, Junction                                                    |     |
| 113  | 1001152525  | 1               | Plug                                                             |     |
| 114  | 1001152530  | 1               | Terminal, Block                                                  |     |
| 115  | 1001153260  | 1               | Decal - Wiring Diagram                                           |     |
| 116  | 3900267     | 2               | Screw                                                            |     |
| 117  | 1001158008  | 2               | Stand-Off                                                        |     |
| 118  | 1001158363  | 1               | Cover, Terminal Block                                            |     |



SECTION 3 - ENGINE

FIGURE 3-43. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES)  
(OPTIONAL)



ART\_1001192487

## SECTION 3 - ENGINE

**FIGURE 3-43. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES)  
(OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                    | REV |
|------|-------------|-----|----------------------------------------------------------------|-----|
|      | 1001192487  | Ref | 4000W GENERATOR INSTALLATION                                   | H   |
| 1    | 0100011     | AR  | Compound, Locking                                              |     |
| 2    | 0100019     | AR  | Compound, Locking                                              |     |
| 3    | 1001141814  | 1   | Belt                                                           |     |
| 4    | 0760610     | 2   | Bolt M6 x 20                                                   |     |
| 5    | 0641618     | 1   | Bolt 3/8 x 2-1/4                                               |     |
| 6    | 0760606     | 1   | Bolt M6 x 12                                                   |     |
| 8    | 0741607     | 3   | Screw 3/8 x 7/8                                                |     |
| 9    | 0760608     | 4   | Bolt M6 x 16                                                   |     |
| 10   | 0761212     | 2   | Bolt M12 x 25                                                  |     |
| 11   | 0771415     | 1   | Bolt 14 x 35                                                   |     |
| 13   | 0962520     | 1   | Bushing, Split                                                 |     |
| 14   | 1705489     | 2   | Decal - Hazardous Voltage                                      |     |
| 15   | 2820031     | AR  | Heat Shrink                                                    |     |
| 16   | 3251102     | 1   | Nameplate - Generator On/Off                                   |     |
| 20   | 3291201     | 1   | Nut M12                                                        |     |
| 21   | 3290605     | 2   | Nut M6                                                         |     |
| 22   | 3580319     | 1   | Pulley                                                         |     |
| 23   | 3580320     | 1   | Pulley                                                         |     |
| 24   | 3580317     | 1   | Tensioner, Belt                                                |     |
| 25   | 4032015     | 4   | Capscrew M10 x 55                                              |     |
| 26   | 4060802     | 1   | Guard, Switch                                                  |     |
| 27   | 4360336     | 1   | Switch, Toggle                                                 |     |
| 30   | 4811700     | 8   | Washer M6                                                      |     |
| 32   | 5241000     | 1   | Washer M10                                                     |     |
| 34   | 5241400     | 1   | Washer M14                                                     |     |
| 35   | 4871700     | 2   | Washer M6                                                      |     |
| 36   | 5241200     | 3   | Washer M12                                                     |     |
| 37   | 1001096070  | 1   | Breaker Box Kit (See Separate Breakdown in ELECTRICAL SECTION) |     |
| 39   | 1001130220  | 4   | Nut, Tinnerman M6                                              |     |
| 40   | 1001138565  | 1   | Generator Assembly (50Hz)                                      |     |
| 40   | 70003709    | 1   | Ring, Retaining (External)                                     |     |
| 40   | 70003708    | 1   | Ring, Retaining (Internal)                                     |     |
| 40   | 70001966    | 1   | Bearing                                                        |     |
| 40   | 70004092    | 1   | Endbell (Shaft End)                                            |     |
| 40   | 70004171    | 1   | Key                                                            |     |
| 40   | 70004676    | 1   | Rotor                                                          |     |
| 40   | 70004677    | 1   | Stator                                                         |     |
| 40   | 70004678    | 1   | Endbell (Rear)                                                 |     |
| 40   | 70004679    | 1   | Cover, Endbell (Rear)                                          |     |
| 40   | 70004680    | 1   | Enclosure, Wiring                                              |     |
| 40   | 70004681    | 1   | Cover, Enclosure                                               |     |
| 40   | 70004682    | 1   | Switch, Reset (Located on Enclosure Cover)                     |     |
| 40   | 70004683    | 1   | Connector, Strain Relief (Located on Enclosure Cover)          |     |
| 41   | 1001138566  | 1   | Box, Control                                                   |     |
| 41   | 70006552    | 1   | Capacitor                                                      |     |
| 41   | 70006553    | 1   | Relay                                                          |     |
| 42   | 1001139357  | 1   | Mount                                                          |     |

**SECTION 3 - ENGINE**

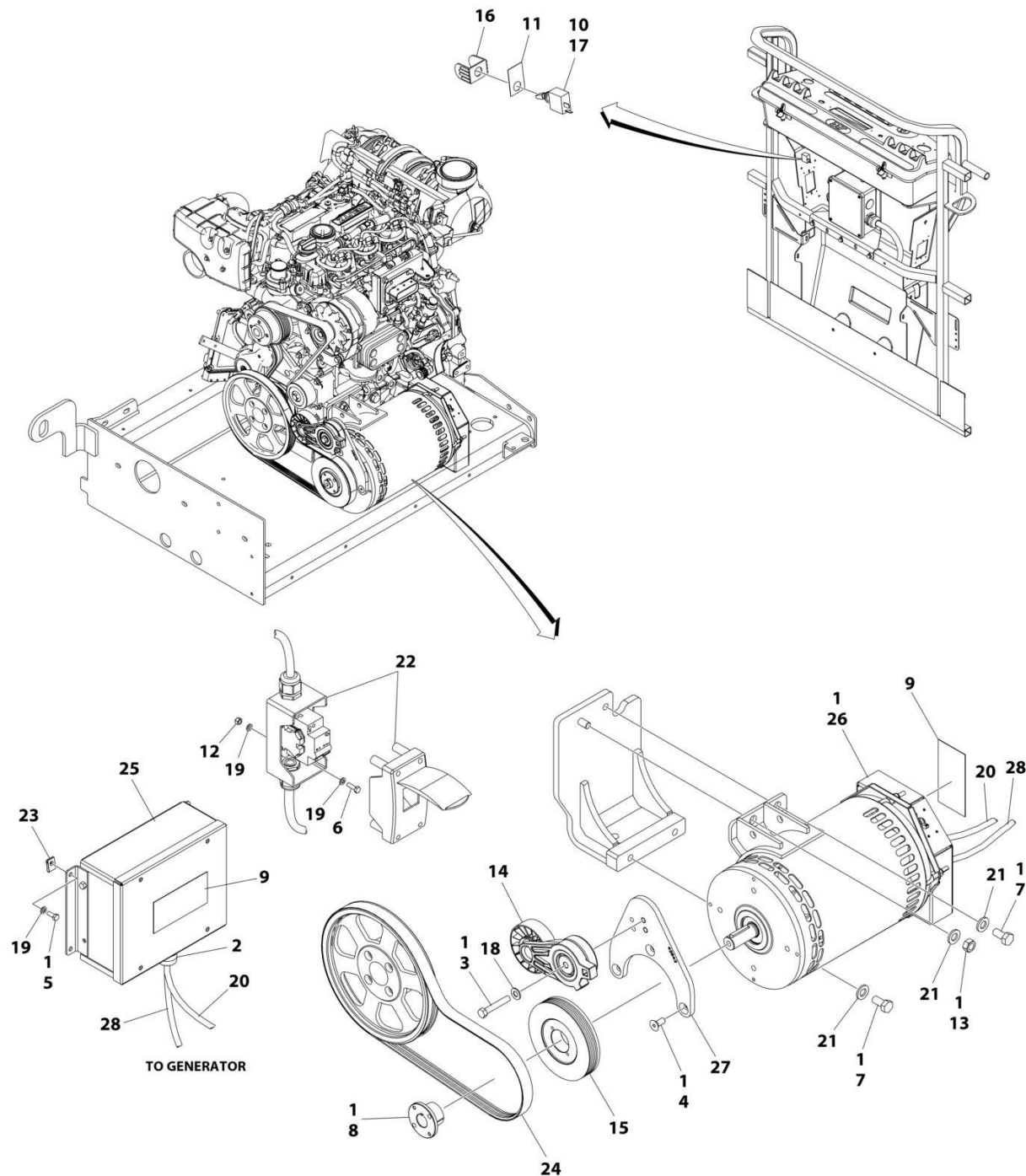
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                      | REV |
|------|-------------|-----|------------------------------------------------------------------|-----|
| 44   | 1001196382  | 1   | Stud                                                             |     |
| 45   | 4922641     | 1   | Generator Switch Harness                                         |     |
| 46   | 1001152532  | 1   | Generator Harness (See Separate Breakdown in ELECTRICAL SECTION) |     |
| 47   | 7274000040  | 1   | Clamp                                                            |     |
| 48   | 1320061     | 1   | Clamp                                                            |     |
| 49   | 5251012     | 1   | Bolt M10 x 25                                                    |     |





SECTION 3 - ENGINE

FIGURE 3-44. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.2L3 (STAGE V) ENGINE) (OPTIONAL)



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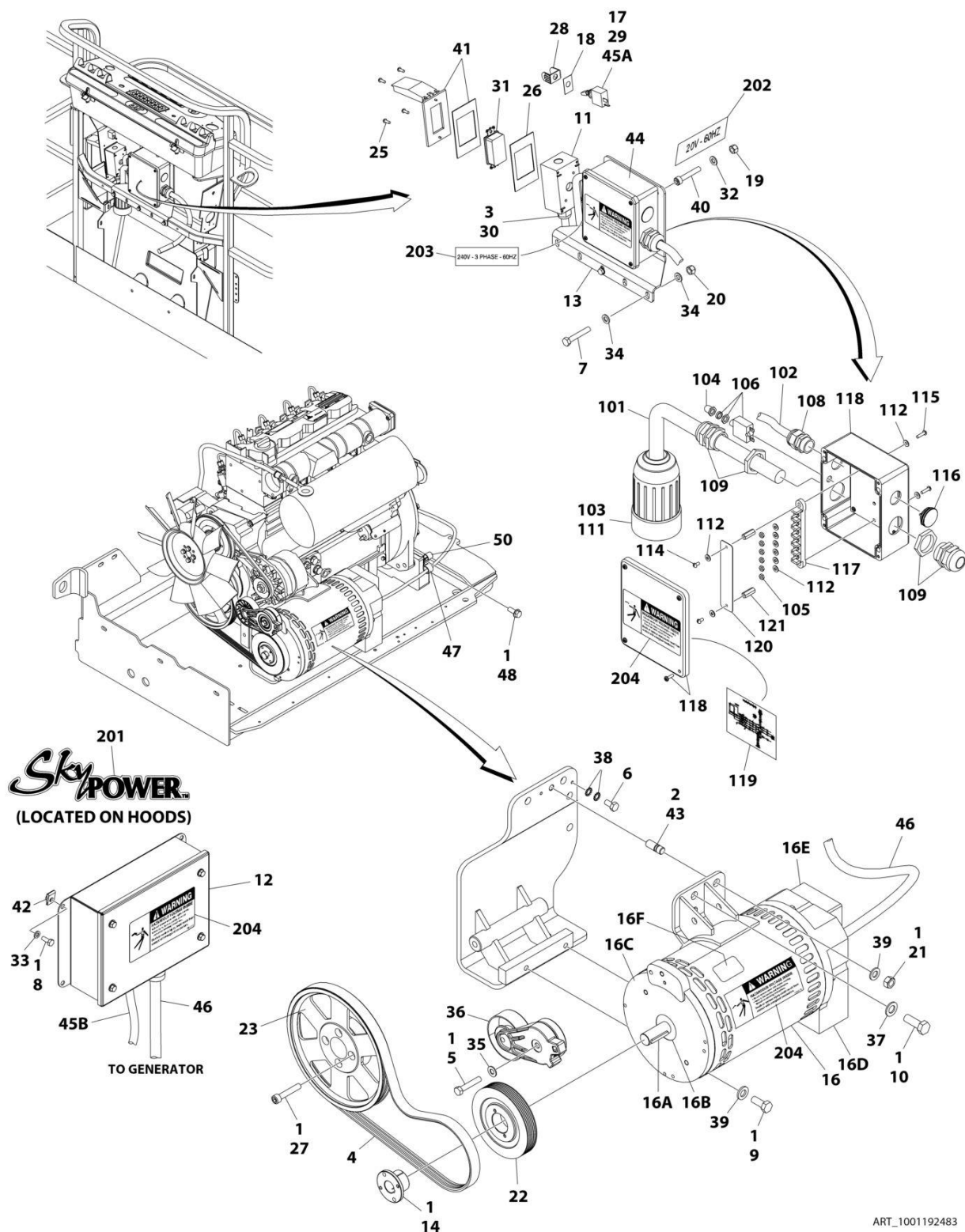
## SECTION 3 - ENGINE

**FIGURE 3-44. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.2L3 (STAGE V) ENGINE) (OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                      | REV |
|------|-------------|-----|------------------------------------------------------------------|-----|
|      | 1001255871  | Ref | 4000W GENERATOR INSTALLATION                                     | B   |
| 1    | 0100011     | AR  | Compound, Locking                                                |     |
| 2    | 0100048     | AR  | Grease, Terminal                                                 |     |
| 3    | 0641618     | 1   | Bolt 3/8 x 2-1/4                                                 |     |
| 4    | 0741607     | 3   | Screw 3/8 x 7/8                                                  |     |
| 5    | 0760608     | 4   | Bolt M6 x 16                                                     |     |
| 6    | 0760610     | 2   | Bolt M6 x 20                                                     |     |
| 7    | 0761212     | 3   | Bolt M12 x 25                                                    |     |
| 8    | 0962520     | 1   | Bushing, Split                                                   |     |
| 9    | 1705489     | 2   | Decal - Hazardous Voltage                                        |     |
| 10   | 2820031     | AR  | Heatshrink                                                       |     |
| 11   | 3252764     | 1   | Nameplate - AC & Weld                                            |     |
| 12   | 3290605     | 2   | Nut M6                                                           |     |
| 13   | 3291201     | 1   | Nut M12                                                          |     |
| 14   | 3580317     | 1   | Tensioner, Belt                                                  |     |
| 15   | 3580319     | 1   | Pulley                                                           |     |
| 16   | 4060802     | 1   | Guard, Switch                                                    |     |
| 17   | 4360336     | 1   | Switch, Toggle                                                   |     |
| 18   | 4711600     | 1   | Washer 3/8                                                       |     |
| 19   | 4811700     | 8   | Washer M6                                                        |     |
| 20   | 4922925     | 1   | Generator Harness (See Separate Breakdown in ELECTRICAL SECTION) |     |
| 21   | 5241200     | 4   | Washer M12                                                       |     |
| 22   | 1001096070  | 1   | Box & Breaker Kit (See Separate Breakdown in ELECTRICAL SECTION) |     |
| 23   | 1001130220  | 4   | Nut, Tinnerman M6                                                |     |
| 24   | 1001136356  | 1   | Belt                                                             |     |
| 25   | 1001138566  | 1   | Box, Control                                                     |     |
| 25   | 70006552    | 1   | Capacitor                                                        |     |
| 25   | 70006553    | 1   | Relay                                                            |     |
| 26   | 1001140347  | 1   | Generator Assembly - 50Hz                                        |     |
| 26   | 70003709    | 1   | Ring, Retaining (External)                                       |     |
| 26   | 70003708    | 1   | Ring, Retaining (Internal)                                       |     |
| 26   | 70001966    | 1   | Bearing                                                          |     |
| 26   | 70004092    | 1   | Endbell (Shaft End)                                              |     |
| 26   | 70004099    | 1   | Key                                                              |     |
| 26   | 70004676    | 1   | Rotor                                                            |     |
| 26   | 70004686    | 1   | Stator                                                           |     |
| 26   | 70004678    | 1   | Endbell (Rear)                                                   |     |
| 26   | 70004679    | 1   | Cover, Endbell (Rear)                                            |     |
| 26   | 70004680    | 1   | Enclosure, Wiring                                                |     |
| 26   | 70004681    | 1   | Cover, Enclosure                                                 |     |
| 26   | 70004682    | 1   | Switch, Reset (Located on Enclosure Cover)                       |     |
| 26   | 70004683    | 1   | Connector, Strain Relief (Located on Enclosure Cover)            |     |
| 26   | 4460224     | 1   | Connector - 6 Position (Located on Enclosure Cover)              |     |
| 26   | 4460294     | 1   | Pin, Male (Located on Enclosure Cover)                           |     |
| 27   | 1001142643  | 1   | Support                                                          |     |
| 28   | 1001152532  | 1   | Generator Harness (See Separate Breakdown in ELECTRICAL SECTION) |     |

## SECTION 3 - ENGINE

**FIGURE 3-45. 7500W SKYPOWER GENERATOR INSTALLATION - 110/60HZ (DEUTZ D2011 ENGINES)  
(OPTIONAL)**



ART\_1001192483

## SECTION 3 - ENGINE

**FIGURE 3-45. 7500W SKYPOWER GENERATOR INSTALLATION - 110/60HZ (DEUTZ D2011 ENGINES)  
(OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                            | REV |
|------|-------------|-----|------------------------------------------------------------------------|-----|
|      | 1001192483  | Ref | 7500W SKYPOWER GENERATOR INSTALLATION                                  | I   |
| 1    | 0100011     | AR  | Compound, Locking                                                      |     |
| 2    | 0100019     | AR  | Compound, Locking                                                      |     |
| 3    | 0100079     | AR  | Sealant                                                                |     |
| 4    | 1001136356  | 1   | Belt                                                                   |     |
| 5    | 0641618     | 1   | Bolt 3/8 x 2-1/4                                                       |     |
| 6    | 0760606     | 1   | Bolt M6 x 12                                                           |     |
| 7    | 0700819     | 2   | Bolt M8 x 55                                                           |     |
| 8    | 0760608     | 4   | Bolt M6 x 16                                                           |     |
| 9    | 0761212     | 2   | Bolt M12 x 25                                                          |     |
| 10   | 0771415     | 1   | Bolt M14 x 35                                                          |     |
| 11   | 0860038     | 1   | Box, Receptacle                                                        |     |
| 12   | 0861538     | 1   | Control Box Assembly                                                   |     |
| 12   | 7024488     | 1   | Card, Circuit - Generator Power                                        |     |
| 12   | See Note    | NSS | Fuse (Note: Not Available - Purchase Locally)                          |     |
| 12   | 7024489     | 1   | Card, Circuit - Control                                                |     |
| 12   | 70000619    | 1   | Harness, Control Box (Internal)                                        |     |
| 13   | 0902888     | 1   | Bracket                                                                |     |
| 14   | 0962520     | 1   | Bushing, Split                                                         |     |
| 16   | 2460048     | 1   | Generator Assembly                                                     |     |
| 16   | 70001100    | 1   | Rotor (Includes p/n 70001384 & 70000863) (Not Shown)                   |     |
| 16   | 70001384    | 1   | Bearing, Ball Radial (Not Shown)                                       |     |
| 16   | 70000863    | 1   | Fan (Not Shown)                                                        |     |
| 16   | 70002088    | 1   | Stator (Not Shown)                                                     |     |
| 16   | 70002297    | 1   | Stud                                                                   |     |
| 16   | 70003631    | 1   | Brushholder Assembly (Not Shown)                                       |     |
| 16A  | 70004171    | 1   | Key                                                                    |     |
| 16B  | 70001966    | 1   | Bearing, Ball Radial (Located in Belt Tensioner Endbell)               |     |
| 16B  | 70003708    | 1   | Ring, Internal Retaining (Located in Belt Tensioner Endbell)           |     |
| 16B  | 70003709    | 1   | Ring, External Retaining (Located in Belt Tensioner Endbell)           |     |
| 16C  | 70001953    | 1   | Endbell, Belt Tensioner                                                |     |
| 16D  | 70004169    | 1   | Endbell, Brush Block                                                   |     |
| 16E  | 70004169    | 1   | Shroud                                                                 |     |
| 16E  | See Note    | NSS | Insulator, Endbell (Note: Not Available for Purchase)                  |     |
| 16E  | 7027799     | 1   | Block, Connector - 6 Position (Not Shown)                              |     |
| 16E  | 70002460    | 1   | Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)                 |     |
| 16E  | 7024485     | 1   | Breaker, Circuit 30Amp (Not Shown)                                     |     |
| 16E  | 70001696    | 1   | Boot, Breaker (Not Shown)                                              |     |
| 16E  | 7026626     | 1   | Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 39) |     |
| 16E  | 7026597     | 1   | Connector, with Leads (Not Shown)                                      |     |
| 16E  | 7026188     | 1   | Clamp, Cable Options (Not Shown)                                       |     |
| 16E  | 70004169    | 1   | Plate, End Panel                                                       |     |
| 16E  | 70001974    | 1   | Decal - Terminal Connections                                           |     |
| 16F  | 70001973    | 1   | Decal - Warning Moving Parts                                           |     |
| 17   | 2820031     | AR  | Heat Shrink                                                            |     |
| 18   | 3252764     | 1   | Nameplate - AC & Weld                                                  |     |
| 19   | 3290505     | 4   | Nut M5                                                                 |     |
| 20   | 3290805     | 2   | Nut M8                                                                 |     |

## SECTION 3 - ENGINE

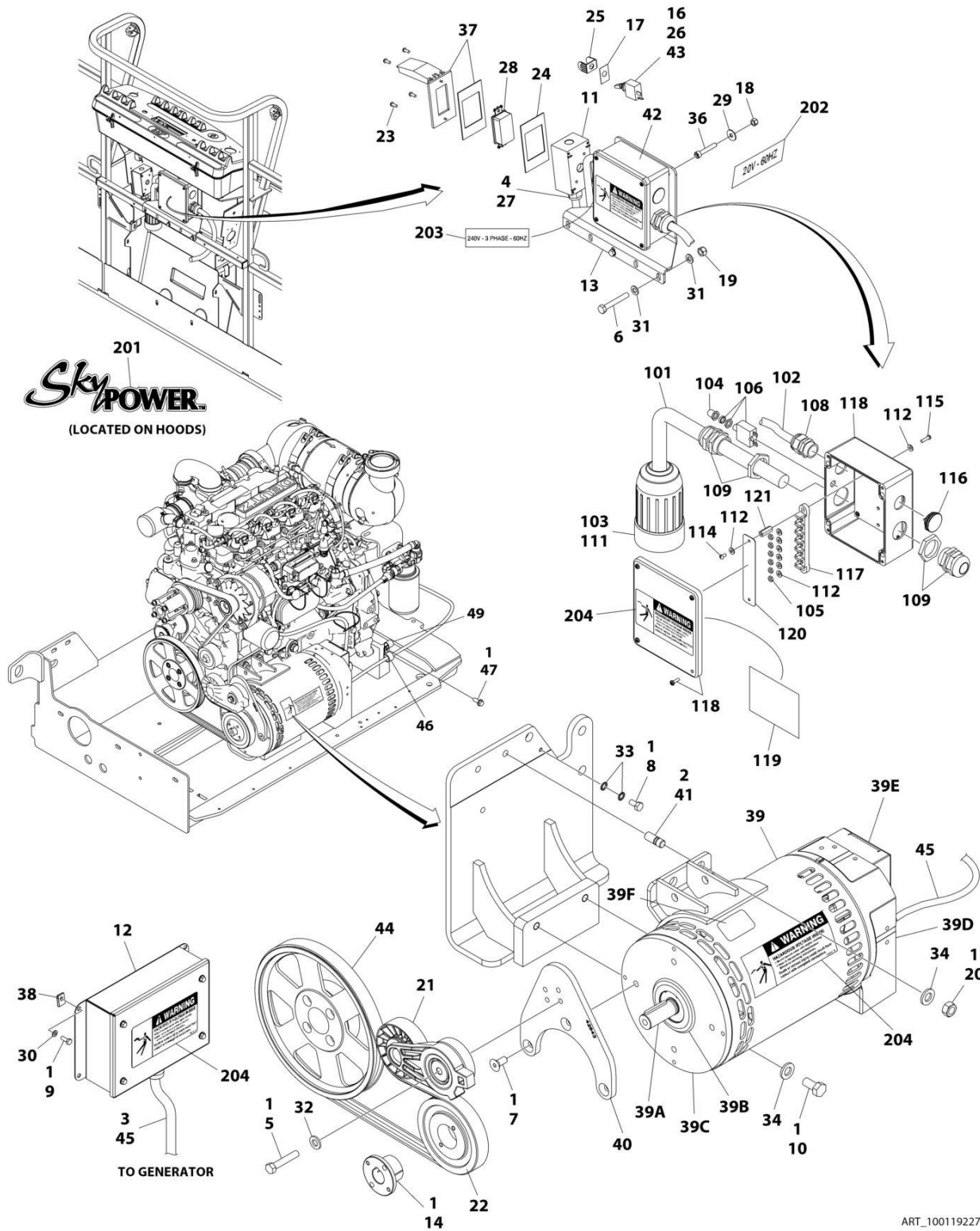
| ITEM | PART NUMBER | QTY             | DESCRIPTION                                                                | REV |
|------|-------------|-----------------|----------------------------------------------------------------------------|-----|
| 21   | 3291201     | 1               | Nut M12                                                                    | C   |
| 22   | 3580318     | 1               | Pulley                                                                     |     |
| 23   | 3580320     | 1               | Pulley                                                                     |     |
| 25   | 3910606     | 4               | Screw #6 x 3/8                                                             |     |
| 26   | 3960422     | 1               | Gasket                                                                     |     |
| 27   | 4032015     | 4               | Capscrew M10 x 55                                                          |     |
| 28   | 4060802     | 1               | Guard, Switch                                                              |     |
| 29   | 4360336     | 1               | Switch, Toggle                                                             |     |
| 30   | 4460071     | 1               | Connector, Strain Relief                                                   |     |
| 31   | 4460346     | 1               | Receptacle                                                                 |     |
| 32   | 4811602     | 4               | Washer M5                                                                  |     |
| 33   | 4811700     | 4               | Washer M6                                                                  |     |
| 34   | 4811900     | 4               | Washer M8                                                                  |     |
| 35   | 5241000     | 1               | Washer M10                                                                 |     |
| 36   | 3580317     | 1               | Tensioner, Belt                                                            |     |
| 37   | 5241400     | 1               | Washer M14                                                                 |     |
| 38   | 4871700     | 2               | Washer M6                                                                  |     |
| 39   | 5241200     | 3               | Washer M12                                                                 |     |
| 40   | 1001104029  | 4               | Capscrew M5 x 30 Grade 12.9                                                |     |
| 41   | 1001110873  | 1               | Cover                                                                      |     |
| 42   | 1001130220  | 4               | Nut, Tinnerman M6                                                          |     |
| 43   | 1001196382  | 1               | Stud                                                                       |     |
| 44   | 1001157592  | 1               | Junction Box Assembly (See Items 101-121 for Breakdown)                    |     |
| 45A  | 4922641     | 1               | Generator Switch Harness                                                   |     |
| 45B  | 1001152429  | 1               | Generator to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION) |     |
| 46   | 4922925     | 1               | Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)           |     |
| 47   | 7274000040  | 1               | Clamp                                                                      |     |
| 48   | 5251012     | 1               | Bolt M10 x 25                                                              |     |
| 50   | 1320061     | 1               | Clamp                                                                      |     |
|      | 1001157592  | Ref             | JUNCTION BOX ASSEMBLY                                                      |     |
| 101  | 1060343     | 1.5 ft/<br>0.5m | Cable, Electrical 10/4                                                     |     |
| 102  | 1001179154  | 2.5 ft/<br>0.8m | Cable, Electrical 12/3                                                     |     |
| 103  | 1671092     | 1               | Cover                                                                      |     |
| 104  | 3300396     | 1               | Cover, Fuse                                                                |     |
| 105  | 3311001     | 6               | Nut #10                                                                    |     |
| 106  | 4360070     | 1               | Circuit Breaker - 15Amp                                                    |     |
| 108  | 4460425     | 1               | Connector, Strain Relief                                                   |     |
| 109  | 4460426     | 2               | Connector, Strain Relief                                                   |     |
| 111  | 4460963     | 1               | Connector                                                                  |     |
| 112  | 4711000     | 10              | Washer #10                                                                 |     |
| 114  | 10702077    | 2               | Screw #10 x 3/8                                                            |     |
| 115  | 10702082    | 2               | Screw #10 x 3/4                                                            |     |
| 116  | 1001152525  | 1               | Plug                                                                       |     |
| 117  | 1001157520  | 1               | Block, Terminal                                                            |     |
| 118  | 1001157521  | 1               | Box, Junction                                                              |     |
| 119  | 1001157528  | 1               | Decal - Wiring Schematic                                                   |     |
| 120  | 1001158007  | 1               | Cover, PVC                                                                 |     |
| 121  | 1001158008  | 2               | Stand-Off                                                                  |     |

### SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION                   | REV |
|------|-------------|-----|-------------------------------|-----|
|      | 0272435     | Ref | DECAL INSTALLATION            | D   |
| 201  | 1705460     | 2   | Decal - SkyPower              |     |
| 202  | 3251243     | 1   | Decal - 120V-60Hz             |     |
| 203  | 1705375     | 1   | Decal - 240V - 3 Phase - 60Hz |     |
| 204  | 1705387     | 3   | Decal - Hazardous Voltage     |     |

SECTION 3 - ENGINE

FIGURE 3-46. 7500W SKYPOWER GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES) (OPTIONAL)



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## SECTION 3 - ENGINE

**FIGURE 3-46. 7500W SKYPOWER GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 ENGINES) (OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                            | REV |
|------|-------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001192278  | Ref | 7500W SKYPOWER GENERATOR INSTALLATION                                                                                                                  | G   |
| 1    | 0100011     | AR  | Compound, Locking                                                                                                                                      |     |
| 2    | 0100019     | AR  | Compound, Locking                                                                                                                                      |     |
| 3    | 0100048     | AR  | Compound Terminal                                                                                                                                      |     |
| 4    | 0100079     | AR  | Sealant                                                                                                                                                |     |
| 5    | 0641616     | 1   | Bolt 3/8 x 2                                                                                                                                           |     |
| 6    | 0700819     | 2   | Bolt M8 x 55                                                                                                                                           |     |
| 7    | 0741607     | 3   | Screw 3/8 x 7/8                                                                                                                                        |     |
| 8    | 0760606     | 1   | Bolt M6 x 12                                                                                                                                           |     |
| 9    | 0760608     | 4   | Bolt M6 x 16                                                                                                                                           |     |
| 10   | 0761212     | 2   | Bolt M12 x 25                                                                                                                                          |     |
| 11   | 0860038     | 1   | Box, Receptacle                                                                                                                                        |     |
| 12   | 0861538     | 1   | Control Box Assembly                                                                                                                                   |     |
| 12   | 7024488     | 1   | Card, Circuit - Generator Power                                                                                                                        |     |
| 12   | See Note    | NSS | Fuse (Note: Not Available - Purchase Locally)                                                                                                          |     |
| 12   | 7024489     | 1   | Card, Circuit - Control                                                                                                                                |     |
| 12   | 70000619    | 1   | Harness, Control Box (Internal)                                                                                                                        |     |
|      |             | Ref | Note: Same Circuit Card (P/N 7024489) is used for both 60Hz and 50Hz. When replacing card, rocker switch on card must be set for required application. |     |
| 13   | 0902888     | 1   | Bracket                                                                                                                                                |     |
| 14   | 0962520     | 1   | Bushing, Split                                                                                                                                         |     |
| 16   | 2820031     | AR  | Heat Shrink                                                                                                                                            |     |
| 17   | 3252764     | 1   | Nameplate - AC & Weld                                                                                                                                  |     |
| 18   | 3290505     | 4   | Nut M5                                                                                                                                                 |     |
| 19   | 3290805     | 2   | Nut M8                                                                                                                                                 |     |
| 20   | 3291201     | 2   | Nut M12                                                                                                                                                |     |
| 21   | 3580317     | 1   | Tensioner, Belt                                                                                                                                        |     |
| 22   | 3580318     | 1   | Pulley                                                                                                                                                 |     |
| 23   | 3910606     | 4   | Screw #6 x 3/8                                                                                                                                         |     |
| 24   | 3960422     | 1   | Gasket                                                                                                                                                 |     |
| 25   | 4060802     | 1   | Guard, Switch                                                                                                                                          |     |
| 26   | 4360336     | 1   | Switch, Toggle                                                                                                                                         |     |
| 27   | 4460071     | 1   | Connector, Strain Relief                                                                                                                               |     |
| 28   | 4460346     | 1   | Receptacle                                                                                                                                             |     |
| 29   | 4811602     | 4   | Washer M5                                                                                                                                              |     |
| 30   | 4811700     | 4   | Washer M6                                                                                                                                              |     |
| 31   | 4811900     | 4   | Washer M8                                                                                                                                              |     |
| 32   | 5241000     | 1   | Washer M10                                                                                                                                             |     |
| 33   | 4871700     | 2   | Washer M6                                                                                                                                              |     |
| 34   | 5241200     | 4   | Washer M12                                                                                                                                             |     |
| 36   | 1001104029  | 1   | Capscrew M5 x 30 Grade 12.9                                                                                                                            |     |
| 37   | 1001110873  | 1   | Cover                                                                                                                                                  |     |
| 38   | 1001130220  | 4   | Nut, Tinnerman M6                                                                                                                                      |     |
| 39   | 1001212223  | 1   | Generator Assembly                                                                                                                                     |     |
| 39   | 70001100    | 1   | Rotor (Includes p/n 70001384 & 70000863) (Not Shown)                                                                                                   |     |
| 39   | 70001384    | 1   | Bearing, Ball Radial (Not Shown)                                                                                                                       |     |
| 39   | 70000863    | 1   | Fan (Not Shown)                                                                                                                                        |     |

## SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                                            | REV |
|------|-------------|-----------------|------------------------------------------------------------------------|-----|
| 39   | 70006093    | 1               | Stator (Not Shown)                                                     | C   |
| 39   | 70002297    | 1               | Stud                                                                   |     |
| 39   | 70003631    | 1               | Brushholder Assembly (Not Shown) (was p/n 7024484)                     |     |
| 39A  | 70004099    | 1               | Key                                                                    |     |
| 39B  | 70001966    | 1               | Bearing, Ball Radial (Located in Belt Tensioner Endbell)               |     |
| 39B  | 70003708    | 1               | Ring, Internal Retaining (Located in Belt Tensioner Endbell)           |     |
| 39B  | 70003709    | 1               | Ring, External Retaining (Located in Belt Tensioner Endbell)           |     |
| 39C  | 70004092    | 1               | Endbell, Belt Tensioner                                                |     |
| 39D  | 70004094    | 1               | Endbell, Brush Block                                                   |     |
| 39E  | 70006094    | 1               | Shroud                                                                 |     |
| 39E  | 70002291    | 1               | Insulator, Endbell                                                     |     |
| 39E  | 7027799     | 1               | Block, Connector - 6 Position (Not Shown)                              |     |
| 39E  | 70002460    | 1               | Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)                 |     |
| 39E  | 70006095    | 1               | Breaker, Circuit 30Amp (Not Shown)                                     |     |
| 39E  | 70006096    | 1               | Boot, Breaker (Not Shown)                                              |     |
| 39E  | 7026626     | 1               | Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 45) |     |
| 39E  | 7026597     | 1               | Connector with Leads (Not Shown)                                       |     |
| 39E  | 70004098    | 1               | Clamp, Cable (Not Shown)                                               |     |
| 39E  | 70006097    | 1               | Plate, End Panel                                                       |     |
| 39E  | 70001974    | 1               | Decal - Terminal Connections                                           |     |
| 39F  | 70001973    | 1               | Decal - Warning Moving Parts                                           |     |
| 40   | 1001142643  | 1               | Support                                                                |     |
| 41   | 1001196382  | 2               | Stud                                                                   |     |
| 42   | 1001157592  | 1               | Junction Box Assembly (See Items 101-121 for Breakdown)                |     |
| 43   | 4922641     | 1               | Generator Switch Harness                                               |     |
| 44   | 1001142646  | 1               | Belt                                                                   |     |
| 45   | 4922925     | 1               | Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)       |     |
| 46   | 7274000040  | 1               | Clamp                                                                  |     |
| 47   | 5251012     | 1               | Bolt M10 x 25                                                          |     |
| 49   | 1320061     | 1               | Clamp                                                                  |     |
|      | 1001157592  | Ref             | JUNCTION BOX ASSEMBLY                                                  |     |
| 101  | 1060343     | 1.5 ft/<br>0.5m | Cable, Electrical 10/4                                                 |     |
| 102  | 1001179154  | 2.5 ft/<br>76cm | Cable, Electrical 12/3                                                 |     |
| 103  | 1671092     | 1               | Cover, Connector                                                       |     |
| 104  | 3300396     | 1               | Cover, Fuse                                                            |     |
| 105  | 3311001     | 6               | Nut #10                                                                |     |
| 106  | 4360070     | 1               | Circuit Breaker - 15Amp                                                |     |
| 108  | 4460425     | 1               | Connector, Strain Relief                                               |     |
| 109  | 4460426     | 2               | Connector, Strain Relief                                               |     |
| 111  | 4460963     | 1               | Connector                                                              |     |
| 112  | 4711000     | 4               | Washer #10                                                             |     |
| 114  | 10702077    | 2               | Screw #10 x 3/8                                                        |     |
| 115  | 10702082    | 2               | Screw #10 x 3/4                                                        |     |
| 116  | 1001152525  | 1               | Plug                                                                   |     |
| 117  | 1001157520  | 1               | Block, Terminal                                                        |     |
| 118  | 1001157521  | 1               | Box, Junction                                                          |     |
| 119  | 1001157528  | 1               | Decal - Wiring Schematic                                               |     |
| 120  | 1001158007  | 1               | Cover, PVC                                                             |     |

### SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION                   | REV |
|------|-------------|-----|-------------------------------|-----|
| 121  | 1001158008  | 1   | Stand-Off                     | D   |
|      | 0272435     | Ref | DECAL INSTALLATION            |     |
| 201  | 1705460     | 2   | Decal - SkyPower              |     |
| 202  | 3251243     | 1   | Decal - 120V-60Hz             |     |
| 203  | 1705375     | 1   | Decal - 240V - 3 Phase - 60Hz |     |
| 204  | 1705387     | 3   | Decal - Hazardous Voltage     |     |

## 246

**670SJ**



## SECTION 3 - ENGINE

**FIGURE 3-47. 7500W SKYPOWER GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                            | REV |
|------|-------------|-----|------------------------------------------------------------------------|-----|
|      | 1001192486  | Ref | 7500W SKYPOWER GENERATOR INSTALLATION                                  | I   |
| 1    | 0100011     | AR  | Compound, Locking                                                      |     |
| 2    | 0100019     | AR  | Compound, Locking                                                      |     |
| 3    | 1001141814  | 1   | Belt                                                                   |     |
| 4    | 0641618     | 1   | Bolt 3/8 x 2-1/4                                                       |     |
| 5    | 0760606     | 1   | Bolt M6 x 12                                                           |     |
| 6    | 0700819     | 2   | Bolt M8 x 55                                                           |     |
| 7    | 0760608     | 4   | Bolt M6 x 16                                                           |     |
| 8    | 0761212     | 2   | Bolt M12 x 25                                                          |     |
| 9    | 0771415     | 1   | Bolt M14 x 35                                                          |     |
| 10   | 0861572     | 1   | Control Box Assembly                                                   |     |
| 10   | 7024488     | 1   | Card, Circuit - Generator Power                                        |     |
| 10   | See Note    | NSS | Fuse (Note: Not Available - Purchase Locally)                          |     |
| 10   | 7024489     | 1   | Card, Circuit - Control                                                |     |
| 10   | 70000619    | 1   | Harness, Control Box (Internal)                                        |     |
| 11   | 0902888     | 1   | Bracket                                                                |     |
| 12   | 0962520     | 1   | Bushing, Split                                                         |     |
| 14   | 2460048     | 1   | Generator Assembly                                                     |     |
| 14   | 70001100    | 1   | Rotor (Includes p/n 70001384 & 70000863) (Not Shown)                   |     |
| 14   | 70001384    | 1   | Bearing, Ball Radial (Not Shown)                                       |     |
| 14   | 70000863    | 1   | Fan (Not Shown)                                                        |     |
| 14   | 70002088    | 1   | Stator (Not Shown)                                                     |     |
| 14   | 70002297    | 1   | Stud                                                                   |     |
| 14   | 70003631    | 1   | Brushholder Assembly (Not Shown)                                       |     |
| 14A  | 70004171    | 1   | Key                                                                    |     |
| 14B  | 70001966    | 1   | Bearing, Ball Radial (Located in Belt Tensioner Endbell)               |     |
| 14B  | 70003708    | 1   | Ring, Internal Retaining (Located in Belt Tensioner Endbell)           |     |
| 14B  | 70003709    | 1   | Ring, External Retaining (Located in Belt Tensioner Endbell)           |     |
| 14C  | 70001953    | 1   | Endbell, Belt Tensioner                                                |     |
| 14D  | 70004169    | 1   | Endbell, Brush Block                                                   |     |
| 14E  | 70004169    | 1   | Shroud                                                                 |     |
| 14E  | See Note    | NSS | Insulator, Endbell (Note: Not Available for Purchase)                  |     |
| 14E  | 7027799     | 1   | Block, Connector 6 Position (Not Shown)                                |     |
| 14E  | 70002460    | 1   | Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)                 |     |
| 14E  | 7024485     | 1   | Breaker, Circuit 30Amp (Not Shown)                                     |     |
| 14E  | 70001696    | 1   | Boot, Breaker (Not Shown)                                              |     |
| 14E  | 7026626     | 1   | Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 39) |     |
| 14E  | 7026597     | 1   | Connector, with Leads (Not Shown)                                      |     |
| 14E  | 7026188     | 1   | Clamp, Cable Options (Not Shown)                                       |     |
| 14E  | 70004169    | 1   | Plate, End Panel                                                       |     |
| 14E  | 70001974    | 1   | Decal - Terminal Connections                                           |     |
| 14F  | 70001973    | 1   | Decal - Warning Moving Parts                                           |     |
| 15   | 2820031     | AR  | Heat Shrink                                                            |     |
| 16   | 3252764     | 1   | Nameplate - AC & Weld                                                  |     |
| 17   | 3290505     | 4   | Nut M5                                                                 |     |
| 18   | 3290805     | 2   | Nut M8                                                                 |     |
| 19   | 3291201     | 1   | Nut M12                                                                |     |
| 20   | 3580319     | 1   | Pulley                                                                 |     |

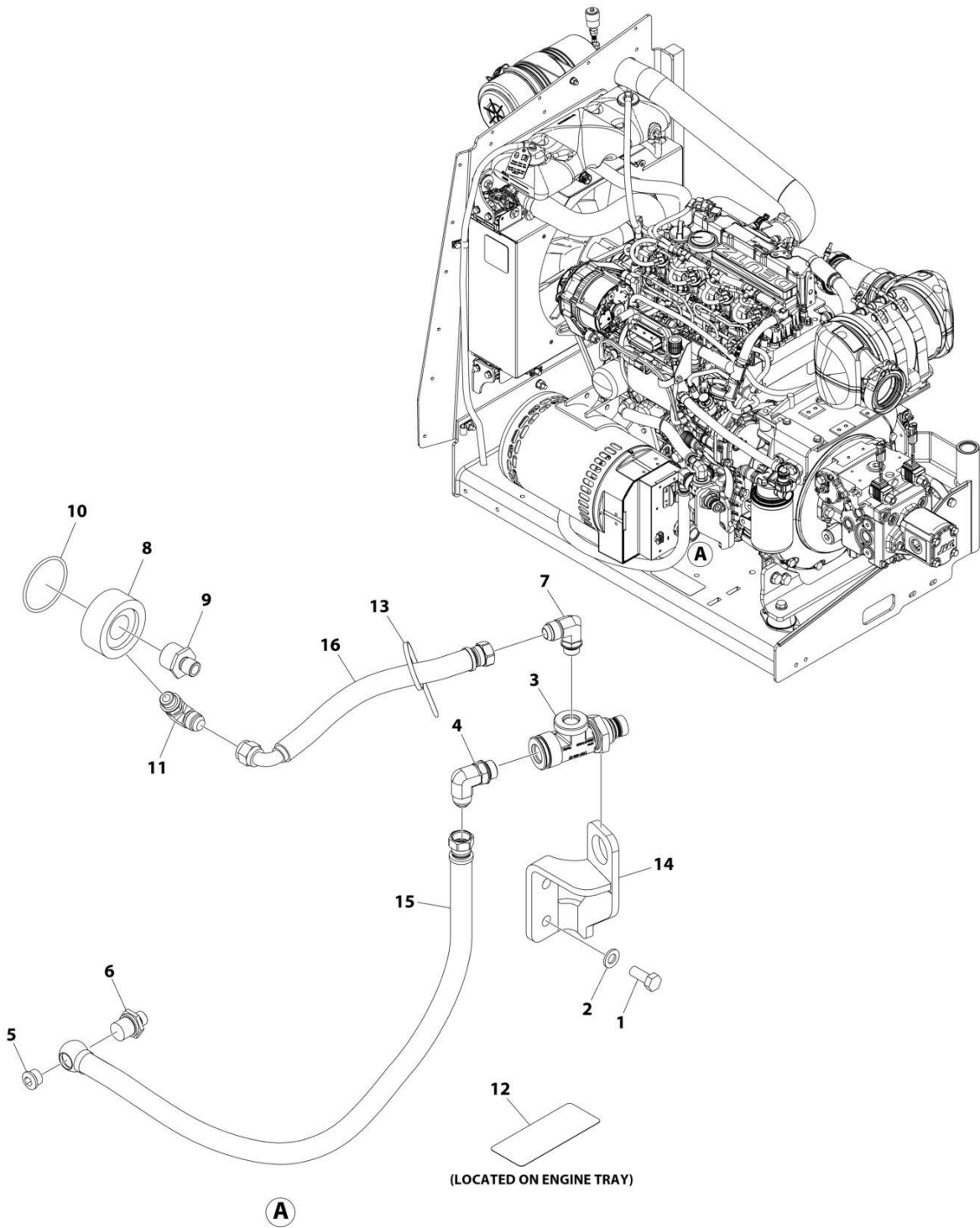
## SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                | REV |
|------|-------------|-----|----------------------------------------------------------------------------|-----|
| 21   | 3580320     | 1   | Pulley                                                                     | B   |
| 22   | 3580317     | 1   | Tensioner, Belt                                                            |     |
| 23   | 4032015     | 4   | Capscrew M10 x 55                                                          |     |
| 24   | 4060802     | 1   | Guard, Switch                                                              |     |
| 25   | 4360336     | 1   | Switch, Toggle                                                             |     |
| 26   | 4811602     | 4   | Washer M5                                                                  |     |
| 27   | 4811700     | 4   | Washer M6                                                                  |     |
| 28   | 4811900     | 4   | Washer M8                                                                  |     |
| 29   | 5241000     | 1   | Washer M10                                                                 |     |
| 31   | 5241400     | 1   | Washer M14                                                                 |     |
| 32   | 4871700     | 2   | Washer M6                                                                  |     |
| 33   | 5241200     | 3   | Washer M12                                                                 |     |
| 34   | 1001104029  | 4   | Capscrew M5 x 30 Grade 12.9                                                |     |
| 35   | 1001130220  | 4   | Nut, Tinnerman M6                                                          |     |
| 36   | 1001196382  | 1   | Stud                                                                       |     |
| 37   | 1001157525  | 1   | Junction Box Assembly (See Items 101-117 for Breakdown)                    |     |
| 38A  | 4922641     | 1   | Generator Switch Harness                                                   |     |
| 38B  | 1001152429  | 1   | Generator to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION) |     |
| 39   | 4922925     | 1   | Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)           |     |
| 40   | 5251012     | 1   | Bolt M10 x 25                                                              |     |
| 41   | 7274000040  | 1   | Clamp                                                                      |     |
| 43   | 1320061     | 1   | Clamp                                                                      |     |
|      | 1001157525  | Ref | JUNCTION BOX ASSEMBLY                                                      |     |
| 101  | 3300396     | 1   | Cover, Fuse                                                                |     |
| 102  | 3311001     | 6   | Nut #10                                                                    |     |
| 103  | 3520189     | 1   | Plug                                                                       |     |
| 104  | 3520192     | 1   | Plug                                                                       |     |
| 105  | 4360070     | 1   | Circuit Breaker - 15Amp                                                    |     |
| 106  | 4460425     | 1   | Connector, Strain Relief                                                   |     |
| 107  | 4460426     | 2   | Connector, Strain Relief                                                   |     |
| 109  | 4711000     | 10  | Washer #10                                                                 |     |
| 110  | 10702077    | 2   | Screw #10 x 3/8                                                            |     |
| 111  | 10702082    | 2   | Screw #10 x 3/4                                                            |     |
| 112  | 1001152525  | 1   | Plug                                                                       |     |
| 113  | 1001152520  | 1   | Block, Terminal                                                            |     |
| 114  | 1001157521  | 1   | Box, Junction                                                              |     |
| 115  | 1001157528  | 1   | Decal - Wiring Schematic                                                   |     |
| 116  | 1001158007  | 1   | Cover, PVC                                                                 |     |
| 117  | 1001158008  | 2   | Stand-Off                                                                  |     |
|      | 0272589     | Ref | DECAL INSTALLATION                                                         | A   |
| 201  | 1705460     | 2   | Decal - SkyPower                                                           |     |
| 202  | 1705461     | 1   | Decal - 240V - 3 Phase - 50Hz                                              |     |
| 203  | 1705489     | 3   | Decal - Hazardous Voltage                                                  |     |



SECTION 3 - ENGINE

FIGURE 3-48. QUICKFIT OIL DRAIN (DEUTZ ENGINES)



ART\_1001285636



## SECTION 3 - ENGINE

**FIGURE 3-48. QUICKFIT OIL DRAIN (DEUTZ ENGINES)**

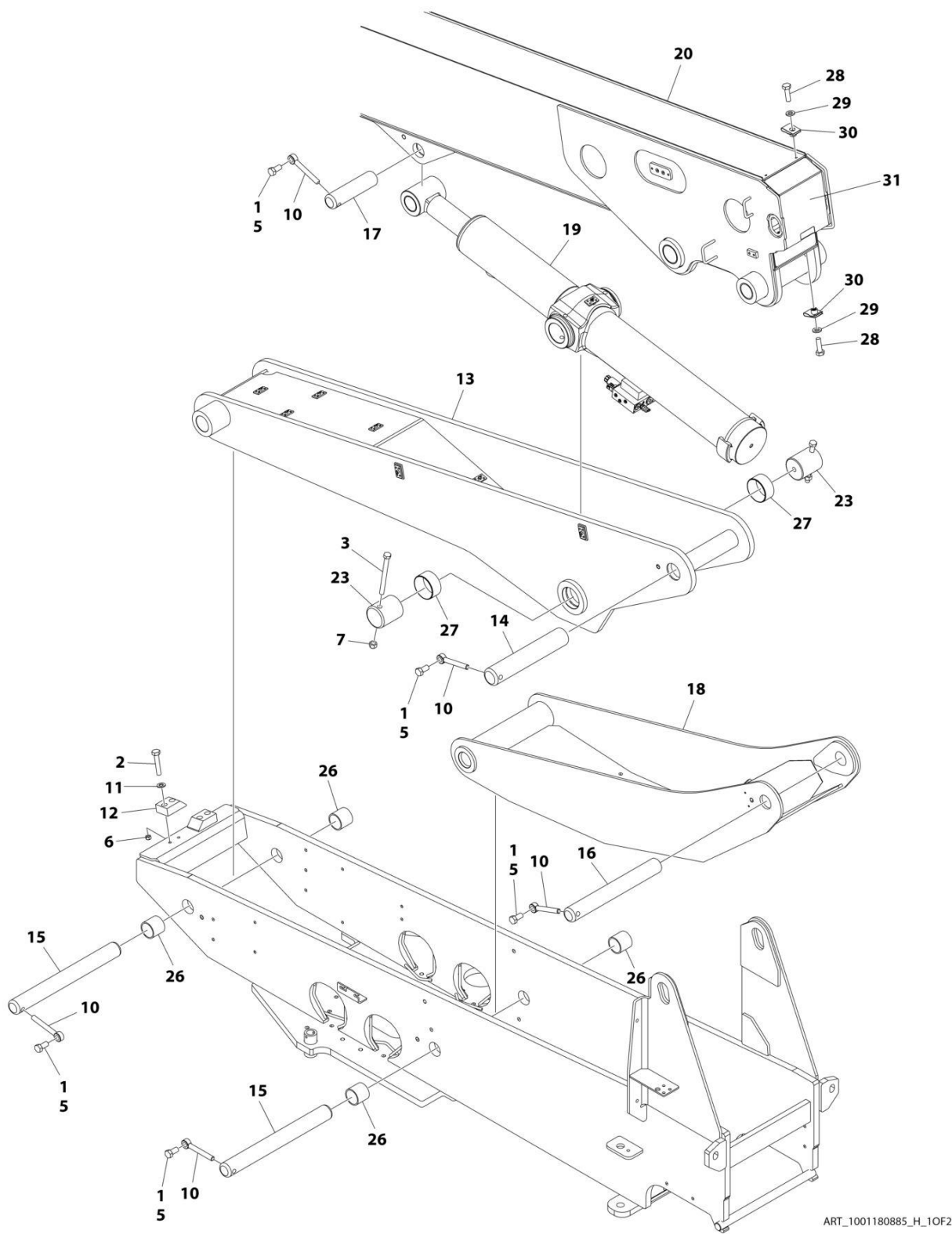
| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001285636  | Ref | QUICKFIT OIL DRAIN INSTALLATION | A   |
| 1    | 0761214     | 2   | Bolt M12 x 30                   |     |
| 2    | 4812100     | 2   | Washer M12                      |     |
| 3    | 1001281298  | 1   | Valve, Quickfit                 |     |
| 4    | 1001281301  | 1   | Fitting, 90                     |     |
| 5    | 1001281304  | 1   | Plug                            |     |
| 6    | 1001281305  | 1   | Fitting, Banjo                  |     |
| 7    | 1001281307  | 1   | Fitting, 90                     |     |
| 8    | 1001281309  | 1   | Filter, Ring                    |     |
| 9    | 1001281310  | 1   | Fitting, Straight               |     |
| 10   | 1001281311  | 1   | O-Ring                          |     |
| 11   | 1001281359  | 1   | Valve, Check                    |     |
| 12   | 1001281360  | 1   | Decal - RPM Quickfit            |     |
| 13   | 1001281656  | 1   | Tie-Strap                       |     |
| 14   | 1001287536  | 1   | Bracket                         |     |
| 15   | 1001287552  | 1   | Hose                            |     |
| 16   | 1001288113  | 1   | Hose                            |     |



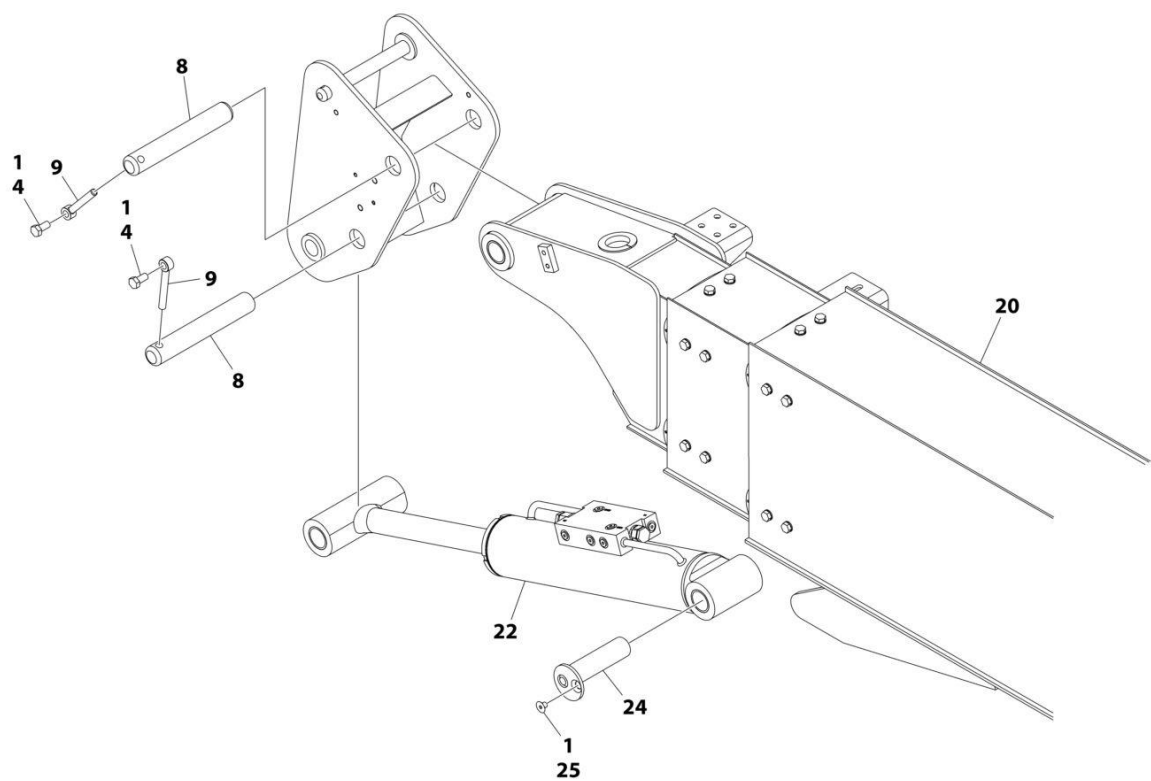
**SECTION 4 - BOOM**

SECTION 4 - BOOM

FIGURE 4-1. BOOM INSTALLATION



ART\_1001180885\_H\_10F2



ART\_1001180885\_H\_20F2

## SECTION 4 - BOOM

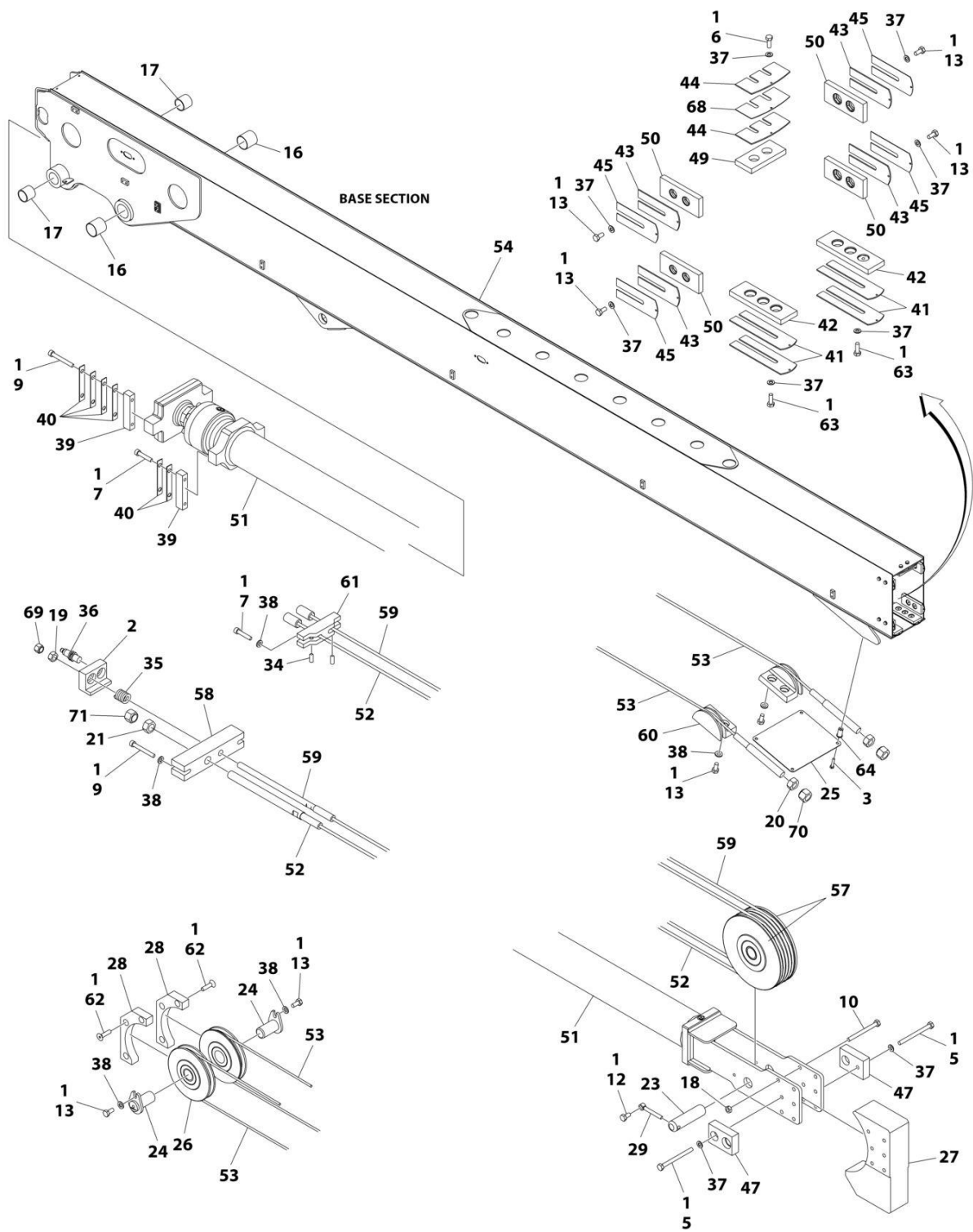
**FIGURE 4-1. BOOM INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                           | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------|-----|
|      | 1001180885  | Ref | BOOM INSTALLATION                                                                     | H   |
| 1    | 0100011     | AR  | Compound, Locking                                                                     |     |
| 2    | 0701019     | 4   | Bolt M10 x 55                                                                         |     |
| 3    | 0711635     | 2   | Bolt M16 x 180                                                                        |     |
| 4    | 0761212     | 2   | Bolt M12 x 25                                                                         |     |
| 5    | 0762016     | 5   | Bolt M20 x 40                                                                         |     |
| 6    | 3291005     | 4   | Nut M10                                                                               |     |
| 7    | 3291605     | 2   | Nut M16                                                                               |     |
| 8    | 3422793     | 2   | Pin                                                                                   |     |
| 9    | 3841203     | 2   | Keeper, Pin                                                                           |     |
| 10   | 3841287     | 5   | Keeper, Pin                                                                           |     |
| 11   | 4812000     | 4   | Washer M10                                                                            |     |
| 12   | 1001138459  | 2   | Pad                                                                                   |     |
| 13   | 1001174231  | 1   | Link                                                                                  |     |
| 14   | 1001174250  | 1   | Pin                                                                                   |     |
| 15   | 1001174252  | 2   | Pin                                                                                   |     |
| 16   | 1001174253  | 1   | Pin                                                                                   |     |
| 17   | 1001174254  | 1   | Pin                                                                                   |     |
| 18   | 1001174256  | 1   | Link                                                                                  |     |
| 19   | 1001272076  | 1   | Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section)                   |     |
| 20   | 1001176217  | 1   | Boom Assembly (See Separate Breakdown in this Section)                                |     |
| 22   | 1001184957  | 1   | Level Cylinder Assembly - Platform Slave (See Separate Breakdown in CYLINDER Section) |     |
| 23   | 1001183926  | 2   | Pin                                                                                   |     |
| 24   | 1001192052  | 1   | Pin                                                                                   |     |
| 25   | 1001192027  | 1   | Screw M10 x 12                                                                        |     |
| 26   | 0962423     | 4   | Bearing                                                                               |     |
| 27   | 1001174251  | 2   | Bearing                                                                               |     |
| 28   | 0760610     | 4   | Bolt M6 x 20                                                                          |     |
| 29   | 4811700     | 4   | Washer M6                                                                             |     |
| 30   | 1001130220  | 4   | Nut - Tinnerman M6                                                                    |     |
| 31   | 1001228177  | 1   | Cover                                                                                 |     |



SECTION 4 - BOOM

FIGURE 4-2. BOOM ASSEMBLY



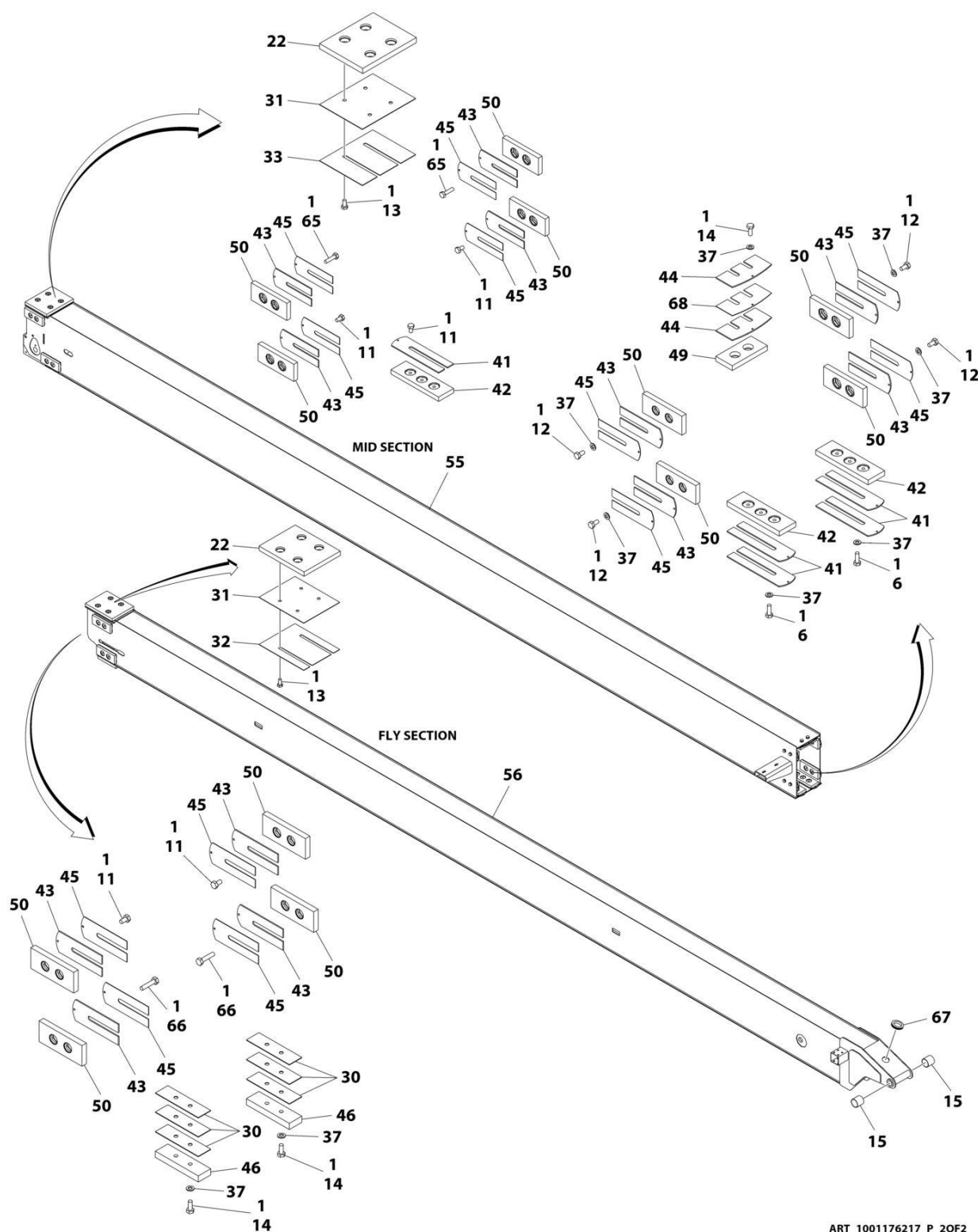
ART\_1001176217\_P\_10F2





SECTION 4 - BOOM

FIGURE 4-3. BOOM ASSEMBLY



ART\_1001176217\_P\_20F2

FIGURE 4-3. BOOM ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION             | REV |
|------|-------------|-----|-------------------------|-----|
|      | 1001176217  | Ref | BOOM ASSEMBLY           | P   |
| 1    | 0100011     | AR  | Compound, Locking       |     |
| 2    | 0561508     | 1   | Block                   |     |
| 3    | 0760614     | 4   | Bolt M6 x 30            |     |
| 5    | 0701029     | 2   | Bolt M10 x 120          |     |
| 6    | 0701013     | 8   | Bolt M10 x 28           |     |
| 7    | 4032014     | 6   | Capscrew M10 x 50       |     |
| 9    | 4032020     | 6   | Capscrew M10 x 80       |     |
| 10   | 0701028     | 4   | Bolt M10 x 110          |     |
| 11   | 0761009     | 10  | Bolt M10 x 18           |     |
| 12   | 0761010     | 9   | Bolt M10 x 20           |     |
| 13   | 0761011     | 22  | Bolt M10 x 22           |     |
| 14   | 0761012     | 6   | Bolt M10 x 25           |     |
| 15   | 0961948     | 2   | Bearing                 |     |
| 16   | 0962033     | 2   | Bushing                 |     |
| 17   | 0962423     | 2   | Bearing                 |     |
| 18   | 3291001     | 4   | Nut M10                 |     |
| 19   | 3291601     | 1   | Nut M16                 |     |
| 20   | 3292001     | 2   | Nut M20                 |     |
| 21   | 3292201     | 1   | Nut M22                 |     |
| 22   | 1001191385  | 2   | Pad, Wear               |     |
| 23   | 3422417     | 1   | Pin                     |     |
| 24   | 3422424     | 2   | Pin                     |     |
| 25   | 3539622     | 1   | Cover                   |     |
| 26   | 3580243     | 2   | Sheave, Retract         |     |
| 26   | 0961951     | 2   | Bushing (1 Per Sheave)  |     |
| 27   | 3580248     | 1   | Guard, Sheave (Extend)  |     |
| 28   | 3580249     | 2   | Guard, Sheave (Retract) |     |
| 29   | 3841143     | 1   | Keeper, Pin             |     |
| 30   | 4070895     | 6   | Shim 16Ga               |     |
| 31   | 4070896     | 2   | Shim .06                |     |
| 32   | 4070939     | 1   | Shim 16Ga               |     |
| 33   | 4070940     | 1   | Shim 16Ga               |     |
| 34   | 4092009     | 2   | Setscrew M10 x 25       |     |
| 35   | 4160149     | 1   | Spring                  |     |
| 36   | 1001285877  | 1   | Switch, Proximity       |     |
| 37   | 4812000     | 38  | Washer M10              |     |
| 38   | 5241000     | 10  | Washer M10              |     |
| 39   | 1001135488  | 4   | Block                   |     |
| 40   | 1001136571  | 12  | Shim 16Ga               |     |
| 41   | 1001136575  | 9   | Shim 11Ga               |     |
| 42   | 1001136583  | 5   | Pad, Wear               |     |
| 43   | 4070898     | 16  | Shim, Wear Pad          |     |
| 44   | 1001138436  | 4   | Shim 11Ga               |     |
| 45   | 4070897     | 16  | Shim, Wear Pad          |     |
| 46   | 1001148650  | 2   | Pad, Wear               |     |
| 47   | 1001191384  | 2   | Pad, Wear               |     |
| 49   | 1001136587  | 2   | Pad, Wear               |     |
| 50   | 1001153398  | 16  | Pad, Wear               |     |

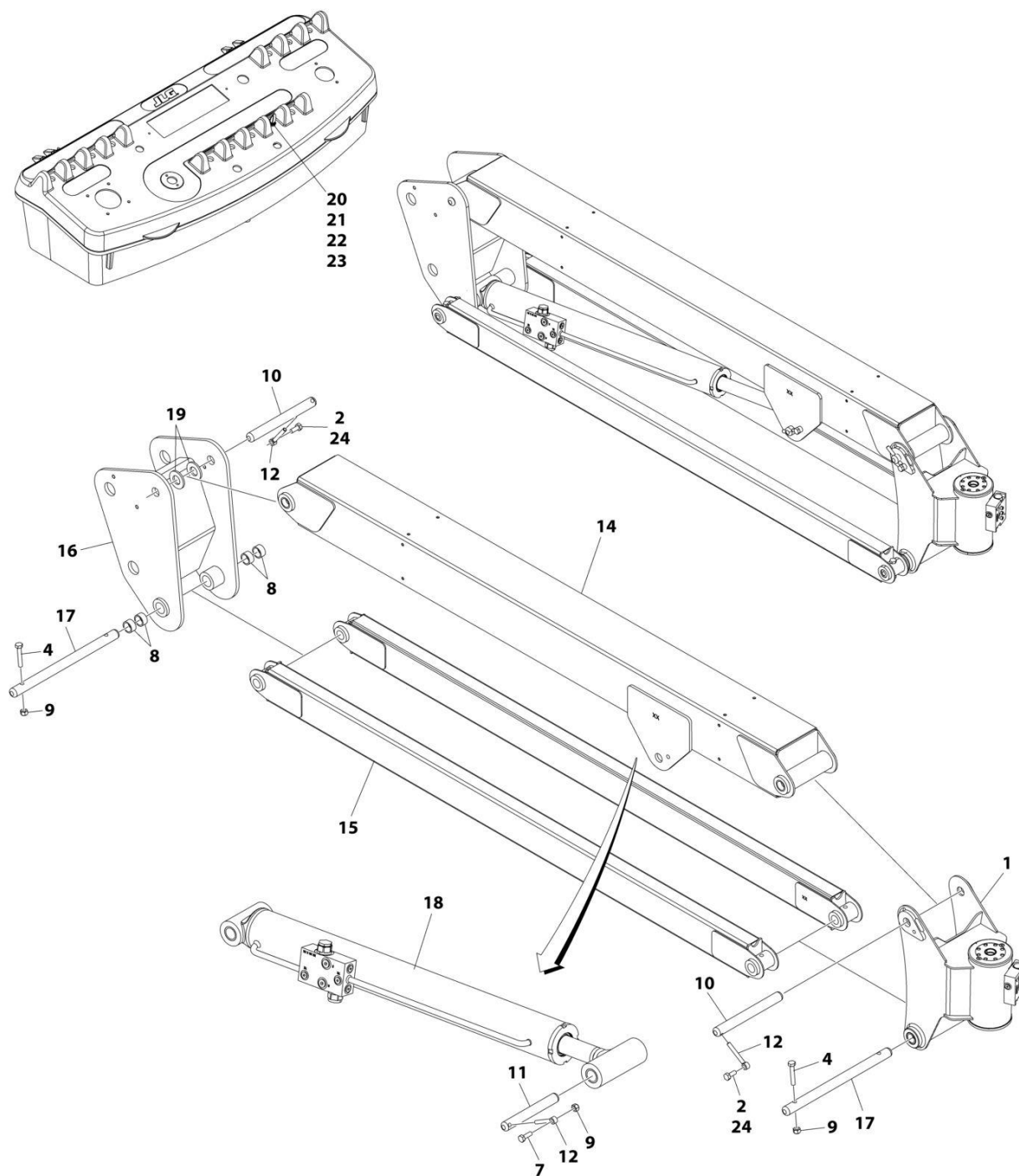
## SECTION 4 - BOOM

| ITEM | PART NUMBER | QTY        | DESCRIPTION                                                              | REV |
|------|-------------|------------|--------------------------------------------------------------------------|-----|
| 51   | 1001251079  | 1          | Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section) |     |
| 52   | 1001175998  | 1          | Rope, Wire (Extend)                                                      |     |
| 53   | 1001175999  | 2          | Rope, Wire (Retract)                                                     |     |
| 54   | 1001176208  | 1          | Base, Boom                                                               |     |
| 55   | 1001176212  | 1          | Mid, Boom                                                                |     |
| 56   | 1001176216  | 1          | Fly, Boom                                                                |     |
| 57   | 1001184913  | 2          | Sheave, Extend                                                           |     |
| 57   | 1001184918  | 2          | Bushing (1 per Sheave)                                                   |     |
| 57   | 1001184917  | 2          | Sleeve, Bronze (1 per Sheave)                                            |     |
| 57   | 1001184915  | 2          | Ring, Retaining (1 per Sheave)                                           |     |
| 58   | 1001186541  | 1          | Block                                                                    |     |
| 59   | 1001189859  | 1          | Rope, Wire (Extend)                                                      |     |
| 60   | 1001191048  | 2          | Sheave, Block                                                            |     |
| 61   | 1001191202  | 1          | Block                                                                    |     |
| 62   | 1001191205  | 6          | Screw M10 x 40                                                           |     |
| 63   | 0761014     | 6          | Bolt M10 x 30                                                            |     |
| 64   | 1001203719  | 4          | Wellnut M6                                                               |     |
| 65   | 0761016     | 4          | Bolt M10 x 40                                                            |     |
| 66   | 0761017     | 4          | Bolt M10 x45                                                             |     |
| 67   | 4060805     | 6 in/ 16cm | Flex - Trim                                                              |     |
| 68   | 1001136590  | 2          | Shim                                                                     |     |
| 69   | 3291605     | 1          | Nut M16                                                                  |     |
| 70   | 3292005     | 2          | Nut M20                                                                  |     |
| 71   | 3292205     | 1          | Nut M22                                                                  |     |



## SECTION 4 - BOOM

**FIGURE 4-4. JIB ASSEMBLY (Prior to SN 0300292972)**



ART\_1001182046\_I

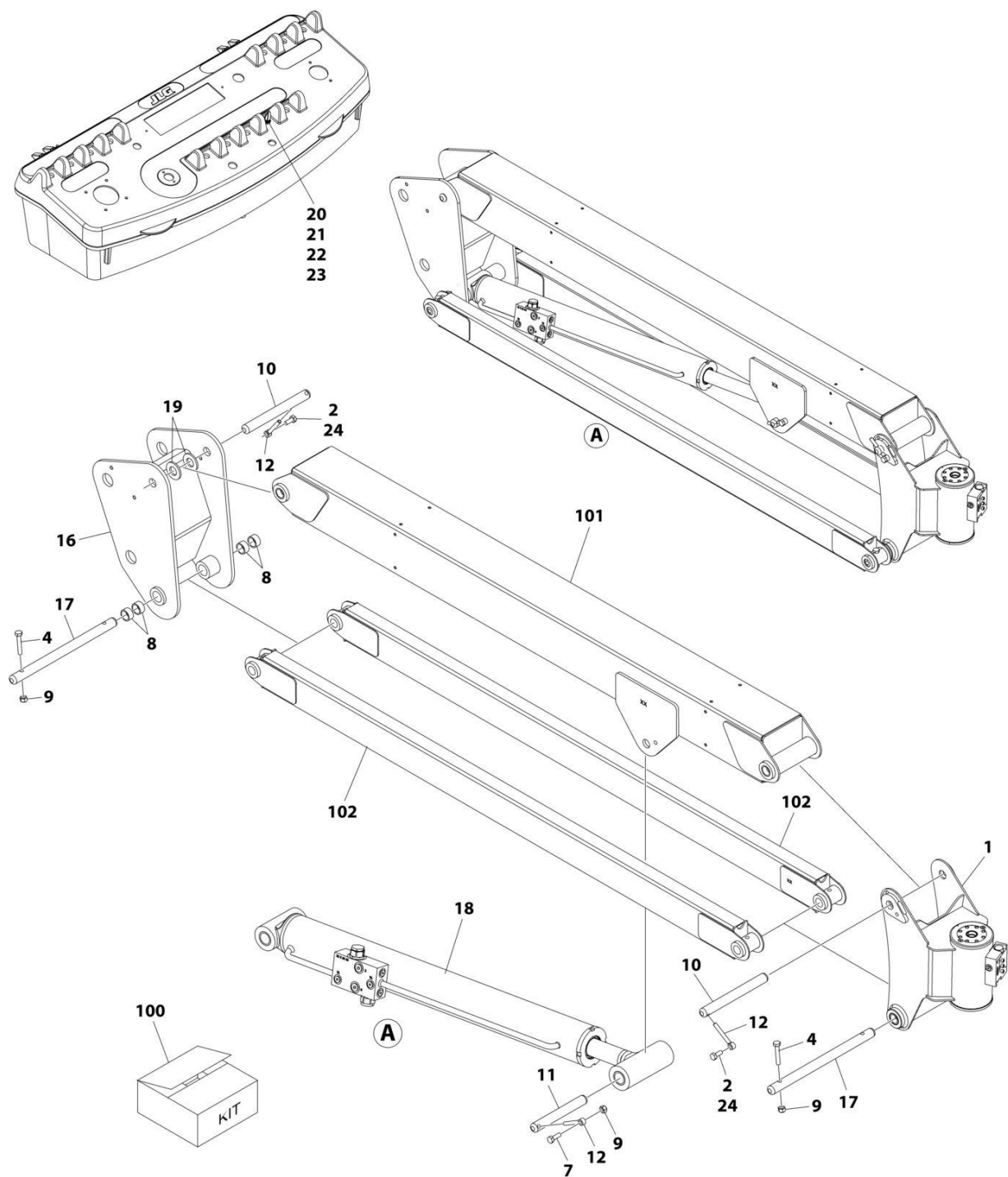
## SECTION 4 - BOOM

**FIGURE 4-4. JIB ASSEMBLY (Prior to SN 0300292972)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                               | REV |
|------|-------------|-----|---------------------------------------------------------------------------|-----|
|      | 1001182046  | Ref | JIB ASSEMBLY                                                              | I   |
| 1    | 1001190580  | 1   | Platform Rotator Assembly (See Separate Breakdown in this Section)        |     |
| 2    | 0100011     | AR  | Compound, Locking                                                         |     |
| 4    | 0701020     | 4   | Bolt M10 x 60                                                             |     |
| 7    | 0761014     | 1   | Bolt M10 x 30                                                             |     |
| 8    | 0961947     | 4   | Bearing                                                                   |     |
| 9    | 3291005     | 1   | Nut M10                                                                   |     |
| 10   | 3422860     | 2   | Pin                                                                       |     |
| 11   | 3422867     | 1   | Pin                                                                       |     |
| 12   | 3841143     | 3   | Keeper, Pin                                                               |     |
| 14   | 4844816     | 1   | Tube, JIB                                                                 |     |
| 14   | 0962335     | 4   | Bushing                                                                   |     |
| 15   | 4844817     | 2   | Link                                                                      |     |
| 16   | 1001181962  | 1   | Pivot                                                                     |     |
| 17   | 3422861     | 2   | Pin                                                                       |     |
| 18   | 1001251013  | 1   | Lift Cylinder Assembly - JIB (See Separate Breakdown in CYLINDER Section) |     |
| 19   | 4740439     | 2   | Washer                                                                    |     |
| 20   | 3790012     | 1   | O-Ring                                                                    |     |
| 21   | 4740397     | 1   | Spacer                                                                    |     |
| 22   | 1001155044  | 1   | Nut 15/32                                                                 |     |
| 23   | 1001155045  | 1   | Switch, Toggle                                                            |     |
| 24   | 0761012     | 2   | Bolt M10 x 25                                                             |     |

SECTION 4 - BOOM

FIGURE 4-5. JIB ASSEMBLY (SN 0300292972 to Present)



ART\_1001182046\_J



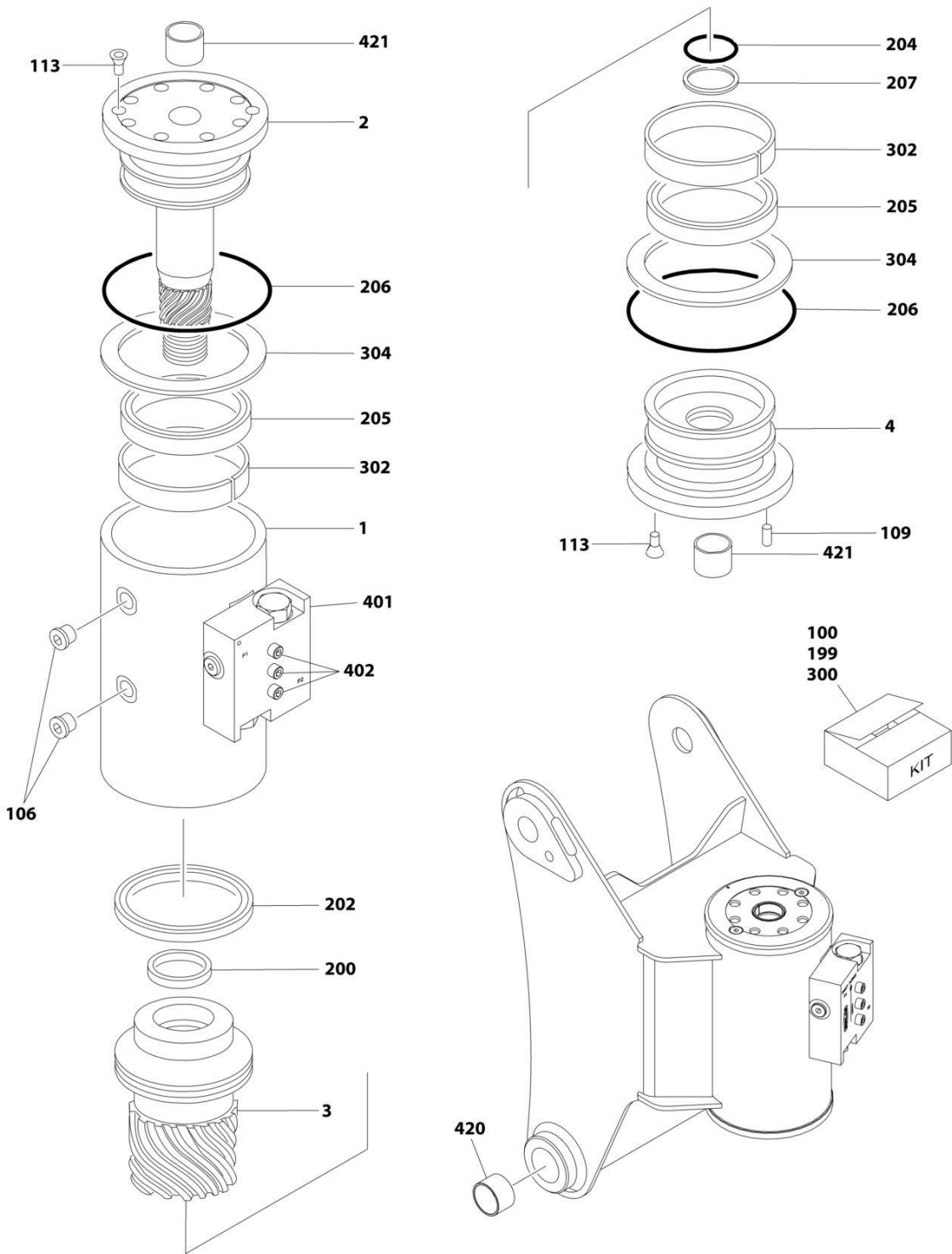
## SECTION 4 - BOOM

**FIGURE 4-5. JIB ASSEMBLY (SN 0300292972 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                               | REV |
|------|-------------|-----|---------------------------------------------------------------------------|-----|
|      | 1001182046  | Ref | JIB ASSEMBLY                                                              | J   |
| 1    | 1001190580  | 1   | Platform Rotator Assembly (See Separate Breakdown in this Section)        |     |
| 2    | 0100011     | AR  | Compound, Locking                                                         |     |
| 4    | 0701020     | 4   | Bolt M10 x 60                                                             |     |
| 7    | 0761014     | 1   | Bolt M10 x 30                                                             |     |
| 8    | 0961947     | 4   | Bearing                                                                   |     |
| 9    | 3291005     | 1   | Nut M10                                                                   |     |
| 10   | 3422860     | 2   | Pin                                                                       |     |
| 11   | 3422867     | 1   | Pin                                                                       |     |
| 12   | 3841143     | 3   | Keeper, Pin                                                               |     |
| 16   | 1001181962  | 1   | Pivot                                                                     |     |
| 17   | 3422861     | 2   | Pin                                                                       |     |
| 18   | 1001251013  | 1   | Lift Cylinder Assembly - JIB (See Separate Breakdown in CYLINDER Section) |     |
| 19   | 4740439     | 2   | Washer                                                                    |     |
| 20   | 3790012     | 1   | O-Ring                                                                    |     |
| 21   | 4740397     | 1   | Spacer                                                                    |     |
| 22   | 1001155044  | 1   | Nut 15/32                                                                 |     |
| 23   | 1001155045  | 1   | Switch, Toggle                                                            |     |
| 24   | 0761012     | 2   | Bolt M10 x 25                                                             |     |
| 100  | 1001295242  | 1   | Tube Kit (Includes Items 101 & 102)                                       |     |
| 101  | 4844816     | 1   | Tube, Top                                                                 |     |
| 101  | 0962335     | 4   | Bushing                                                                   |     |
| 102  | 4844817     | 2   | Tube, Bottom                                                              |     |

SECTION 4 - BOOM

FIGURE 4-6. PLATFORM ROTATOR ASSEMBLY



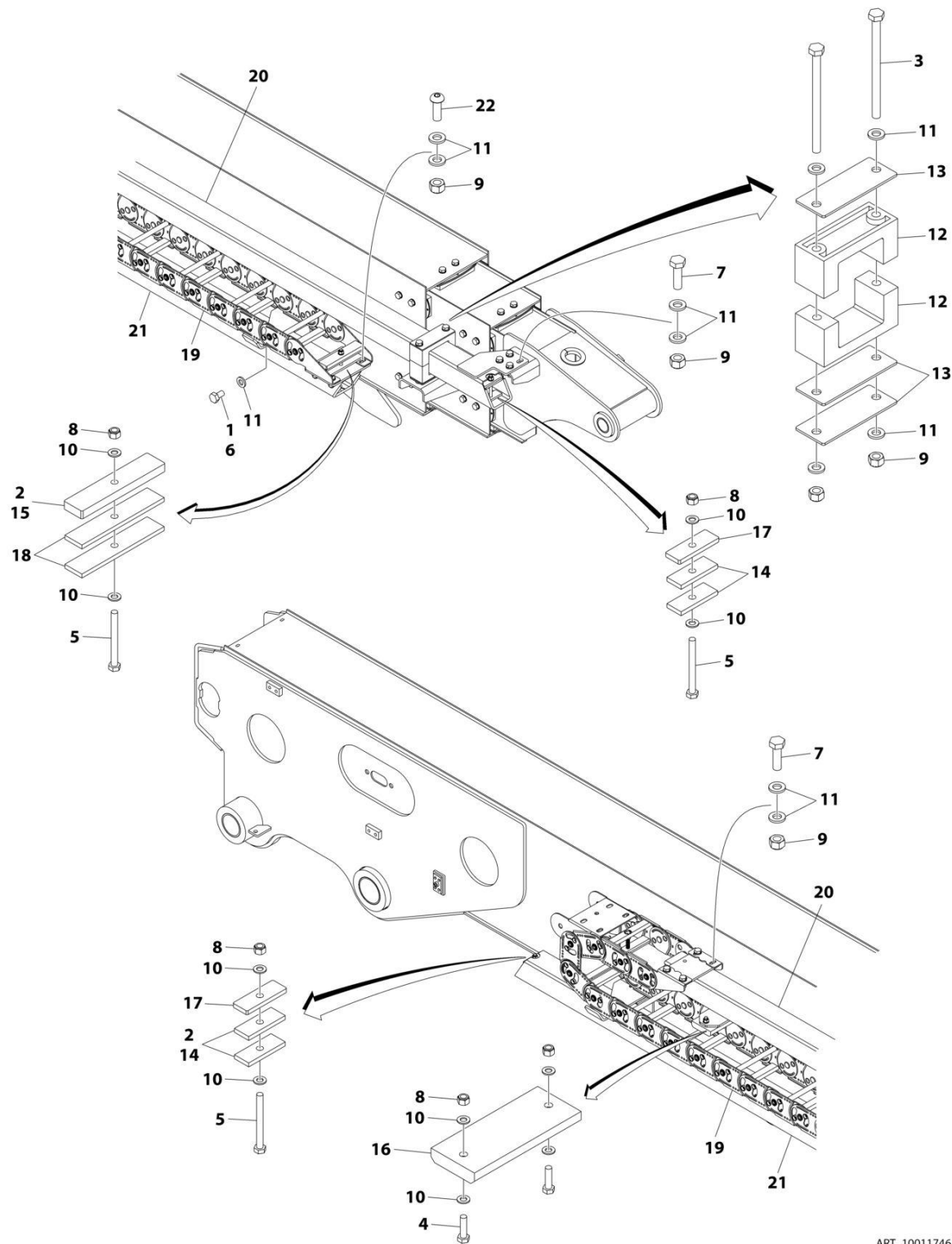
ART\_1001190580

FIGURE 4-6. PLATFORM ROTATOR ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                               | REV |
|------|-------------|-----|---------------------------------------------------------------------------|-----|
|      | 1001190580  | Ref | PLATFORM ROTATOR ASSEMBLY                                                 | F   |
| 1    | See Note    | NSS | Housing/Ring Gear (Note: Purchase Complete Assembly)                      |     |
| 2    | 7017162     | 1   | Shaft                                                                     |     |
| 3    | 7017163     | 1   | Piston                                                                    |     |
| 4    | 7017164     | 1   | Cap                                                                       |     |
| 100  | 7017142     | 1   | Hardware Kit (Includes Items 106-109)                                     |     |
| 106  | See Note    | NSS | Plug (Note: Use Item 100)                                                 |     |
| 109  | See Note    | NSS | Pin, Dowel (Note: Use Item 100)                                           |     |
| 113  | 70001697    | 6   | Screw 1/4 x 3/8                                                           |     |
| 199  | 70000342    | 1   | Seal Kit - Low Temperature (Includes Items 200-207)                       |     |
| 200  | See Note    | NSS | T-Seal (Note: Use Item 199)                                               |     |
| 202  | See Note    | NSS | T-Seal (Note: Use Item 199)                                               |     |
| 204  | See Note    | NSS | O-Ring (Note: Use Item 199)                                               |     |
| 205  | See Note    | NSS | Seal (Note: Use Item 199)                                                 |     |
| 206  | See Note    | NSS | Ring, Back-up (Note: Use Item 199)                                        |     |
| 207  | See Note    | NSS | Ring, Back-up (Note: Use Item 199)                                        |     |
| 300  | 7017159     | 1   | Bearing Kit (Includes Items 302-304)                                      |     |
| 302  | See Note    | NSS | Bearing (Note: Use Item 300)                                              |     |
| 304  | See Note    | NSS | Washer, Thrust (Note: Use Item 300)                                       |     |
| 401  | 7017172     | 1   | Valve, Control (Note: Sold as Assembly Only)                              |     |
| 401  | 7017192     | 2   | Cartridge, Valve - Counterbalance (Seal Kit Not Available)                |     |
| 401  | See Note    | 1   | Cartridge, Valve - Check (Seal Kit Not Available) (Note: Use p/n 7017172) |     |
| 402  | See Note    | NSS | Bolt 1/4 x 1-1/2 Grade 8 (Note: Purchase Locally)                         |     |
| 420  | 0961947     | 2   | Bushing                                                                   |     |
| 421  | 7017195     | 1   | Bushing                                                                   |     |

SECTION 4 - BOOM

FIGURE 4-7. POWER TRACK INSTALLATION



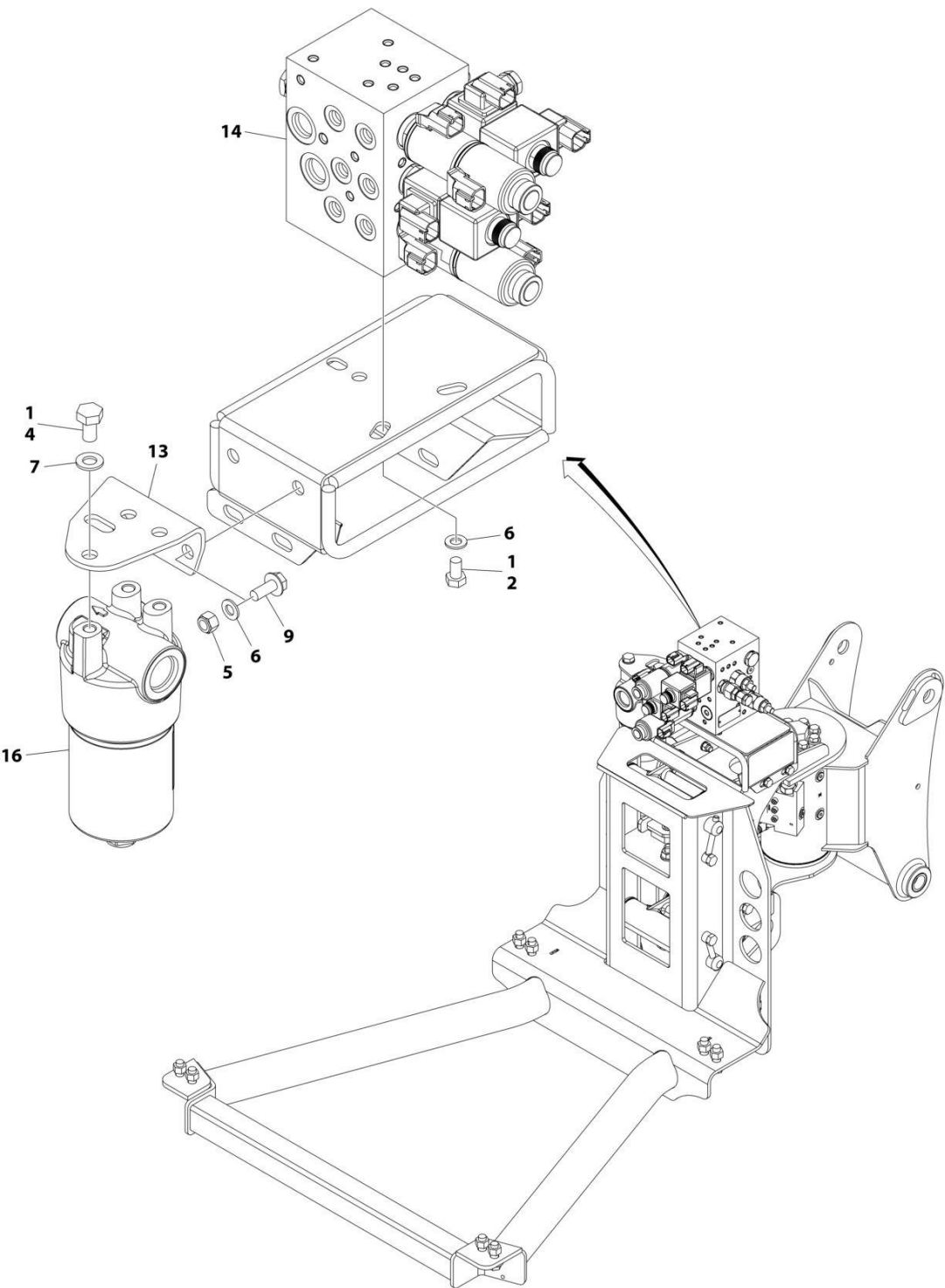
ART\_1001174630\_H

FIGURE 4-7. POWER TRACK INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                      | REV |
|------|-------------|-----|------------------------------------------------------------------|-----|
|      | 1001174630  | Ref | POWER TRACK INSTALLATION                                         | H   |
| 1    | 0100011     | AR  | Compound, Locking                                                |     |
| 2    | 0100081     | AR  | Adhesive                                                         |     |
| 3    | 0701032     | 2   | Bolt M10 x 150                                                   |     |
| 4    | 0760814     | 2   | Bolt M8 x 30                                                     |     |
| 5    | 0700823     | 3   | Bolt M8 x 75                                                     |     |
| 6    | 0761009     | 8   | Bolt M10 x 18                                                    |     |
| 7    | 0761015     | 8   | Bolt M10 x 35                                                    |     |
| 8    | 3290805     | 5   | Nut M8                                                           |     |
| 9    | 3291005     | 14  | Nut M10                                                          |     |
| 10   | 4811900     | 10  | Washer M8                                                        |     |
| 11   | 5241000     | 36  | Washer M10                                                       |     |
| 12   | 3340764     | 2   | Pad                                                              |     |
| 13   | 1001136400  | AR  | Plate                                                            |     |
| 14   | 1001136402  | 4   | Pad                                                              |     |
| 15   | 1001136461  | 1   | Plate                                                            |     |
| 16   | 3340787     | 1   | Pad, Wear                                                        |     |
| 17   | 1001139078  | 2   | Plate                                                            |     |
| 18   | 1001151192  | 2   | Pad                                                              |     |
| 19   | 1001174631  | 1   | Powertrack Assembly                                              |     |
| 19   | 70005683    | AR  | Repair Section - Power Track                                     |     |
| 19   | 70005684    | 1   | Mounting Kit - Power Track (Includes Mounting Feet and Hardware) |     |
| 20   | 1001174632  | 1   | Tube, Push                                                       |     |
| 21   | 1001174636  | 1   | Support                                                          |     |
| 22   | 1001174673  | 4   | Screw M10 x 30                                                   |     |

SECTION 4 - BOOM

FIGURE 4-8. BOOM VALVES INSTALLATION



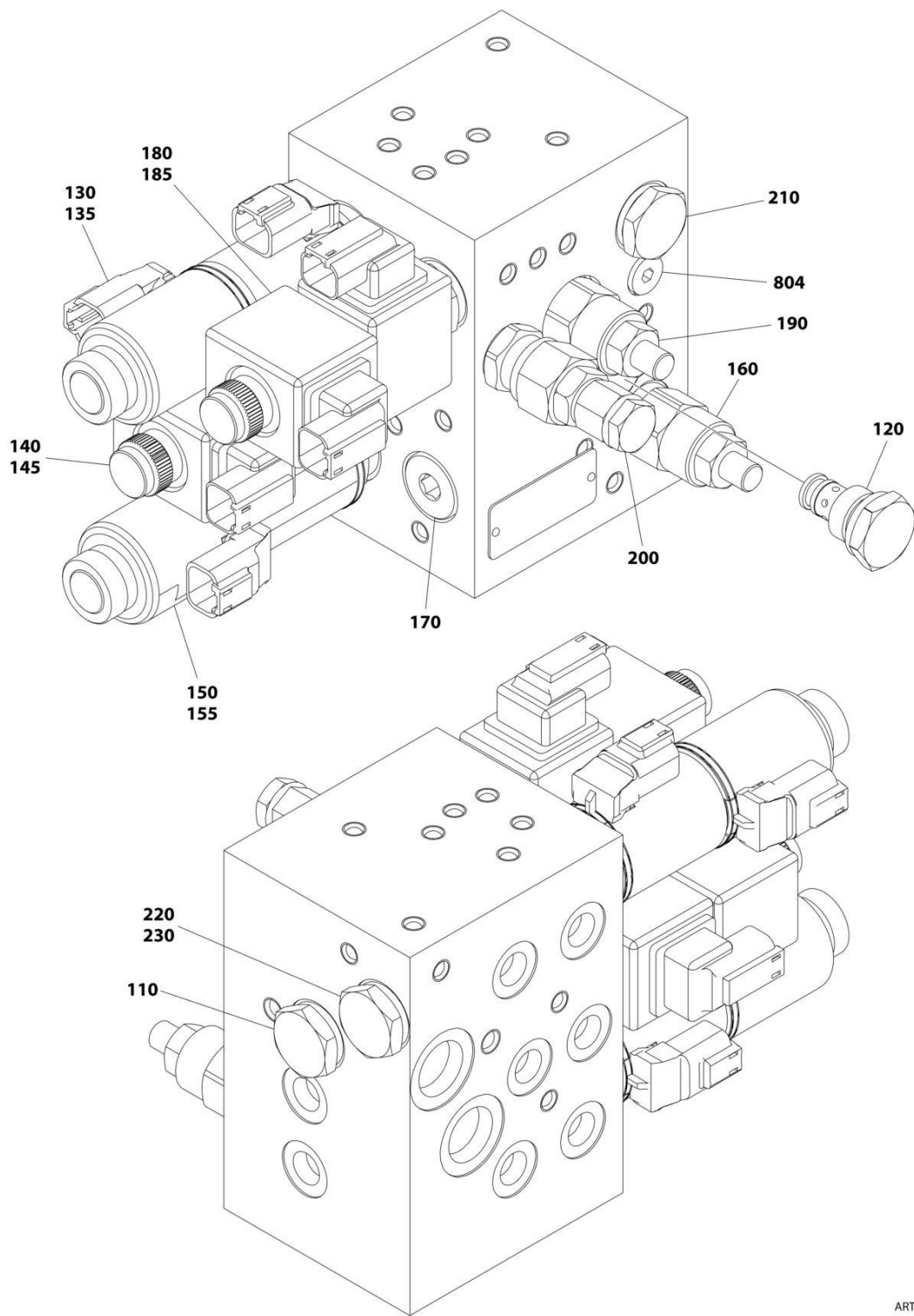
ART\_1001234991\_2OF2

FIGURE 4-8. BOOM VALVES INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                      | REV |
|------|-------------|-----|------------------------------------------------------------------|-----|
|      | 1001234991  | Ref | BOOM VALVES INSTALLATION                                         | B   |
| 1    | 0100011     | AR  | Compound, Locking                                                |     |
| 2    | 0760807     | 3   | Bolt M8 x 14                                                     |     |
| 4    | 0761009     | 3   | Bolt M10 x 18                                                    |     |
| 5    | 3290805     | 2   | Nut M8                                                           |     |
| 6    | 4811900     | 5   | Washer M8                                                        |     |
| 7    | 4812000     | 3   | Washer M10                                                       |     |
| 9    | 5250810     | 2   | Bolt M8 x 20                                                     |     |
| 13   | 1001188302  | 1   | Plate                                                            |     |
| 14   | 1001190286  | 1   | Platform Valve Assembly (See Separate Breakdown in this Section) |     |
| 16   | 1001201511  | 1   | Filter, High Pressure                                            |     |
| 16   | 70005335    | 1   | Element, Filter                                                  |     |
| 16   | 70005682    | 1   | Repair Kit (Includes Element O-Ring, Bowl O-Ring & Back-up Ring) |     |

SECTION 4 - BOOM

FIGURE 4-9. PLATFORM VALVE ASSEMBLY



ART\_1001190286

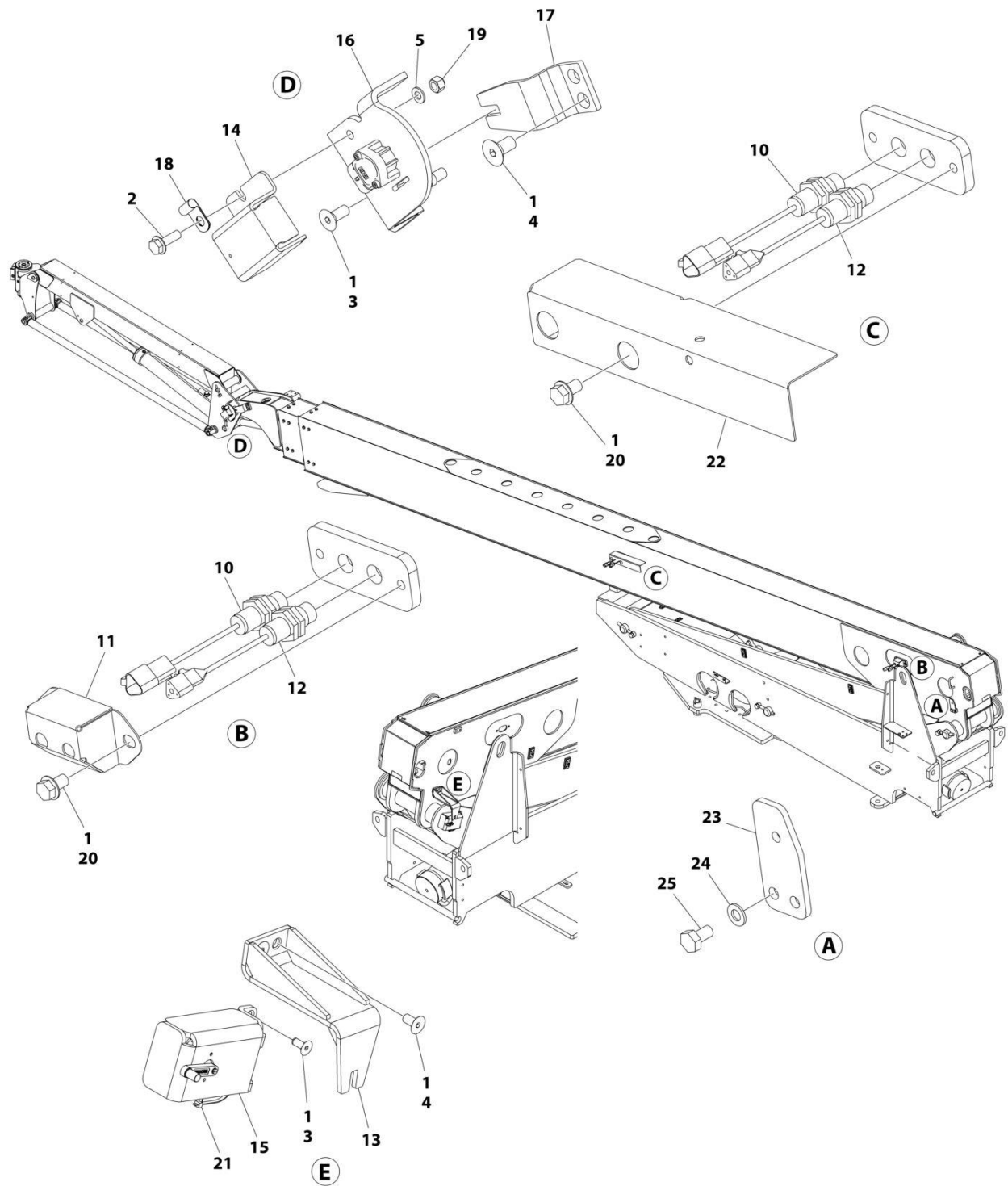


FIGURE 4-9. PLATFORM VALVE ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION                      | REV |
|------|-------------|-----|----------------------------------|-----|
|      | 1001190286  | Ref | PLATFORM VALVE ASSEMBLY          | D   |
| 110  | 70005951    | 1   | Valve, Check                     |     |
| 110  | 70004052    | 1   | Seal Kit - 70005951 Valve        |     |
| 120  | 70003027    | 1   | Valve, Flow/Pressure Control     |     |
| 120  | 70004052    | 1   | Seal Kit - 70003027 Valve        |     |
| 130  | 70006121    | 1   | Valve, Solenoid (Platform Level) |     |
| 130  | 70006116    | 1   | Seal Kit - 70006121 Valve        |     |
| 135  | 70006122    | 2   | Coil                             |     |
| 140  | 70005627    | 1   | Valve, Solenoid (Platform Swing) |     |
| 140  | 70004053    | 1   | Seal Kit - 70005627 Valve        |     |
| 140  | 70006123    | 1   | Coil Nut & Pole Tube O-Ring Kit  |     |
| 145  | 70004653    | 2   | Coil                             |     |
| 150  | 70006121    | 1   | Valve, Solenoid (JIB Up/Down)    |     |
| 150  | 70006116    | 1   | Seal Kit - 70006121 Valve        |     |
| 155  | 70006122    | 2   | Coil                             |     |
| 160  | 70003019    | 1   | Valve, Relief                    |     |
| 160  | 70004052    | 1   | Seal Kit - 70003019 Valve        |     |
| 170  | 70004613    | 1   | Valve, Relief                    |     |
| 170  | 70023860    | 1   | Seal Kit - 70004613 Valve        |     |
| 180  | 70006124    | 1   | Valve, Solenoid                  |     |
| 180  | 70023862    | 1   | Seal Kit - 70006124 Valve        |     |
| 180  | 70006123    | 1   | Coil Nut & Pole Tube O-Ring Kit  |     |
| 185  | 70004653    | 2   | Coil                             |     |
| 190  | 70003019    | 1   | Valve, Relief                    |     |
| 190  | 70004052    | 1   | Seal Kit - 70003019 Valve        |     |
| 200  | 70006125    | 1   | Valve, Relief                    |     |
| 200  | 70006126    | 1   | Seal Kit - 70006125 Valve        |     |
| 210  | 70005952    | 1   | Valve, Check                     |     |
| 210  | 70004052    | 1   | Seal Kit - 70003019 Valve        |     |
| 220  | 7022524     | 1   | Orifice 0.5mm                    |     |
| 230  | 70005952    | 1   | Valve, Check                     |     |
| 230  | 70004052    | 1   | Seal Kit - 70005952 Valve        |     |
| 804  | 70005200    | 1   | Plug                             |     |

SECTION 4 - BOOM

FIGURE 4-10. BOOM SENSORS INSTALLATION



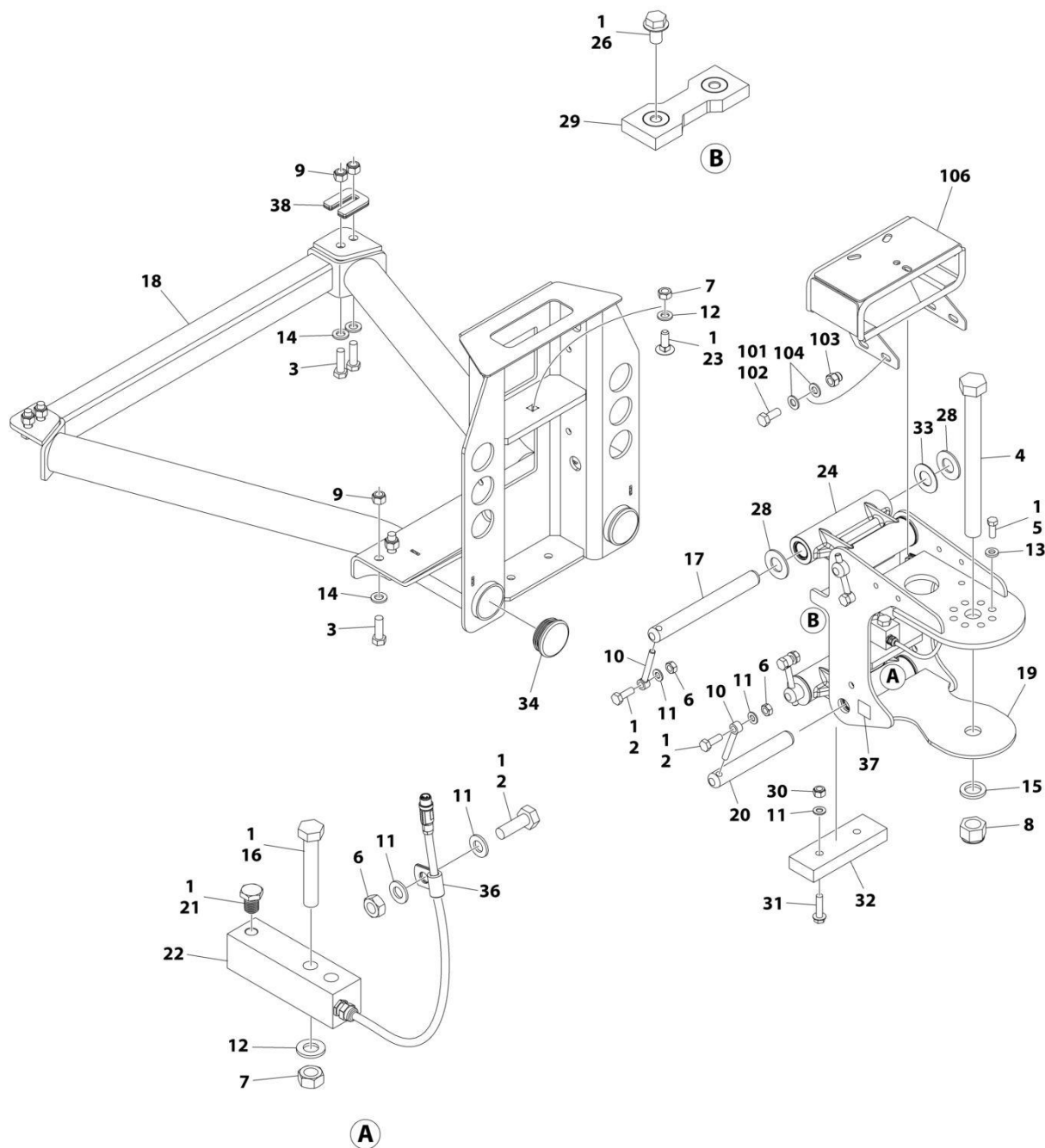
ART\_1001187606\_F

FIGURE 4-10. BOOM SENSORS INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION               | REV |
|------|-------------|-----|---------------------------|-----|
|      | 1001187606  | Ref | BOOM SENSORS INSTALLATION | F   |
| 1    | 0100011     | AR  | Compound, Locking         |     |
| 2    | 5250812     | 1   | Bolt M8 x 25              |     |
| 3    | 1001137125  | 4   | Screw M8 x 20             |     |
| 4    | 1001155441  | 4   | Screw M10 x 20 Grade 10.9 |     |
| 5    | 4811900     | 1   | Washer M8                 |     |
| 10   | 1001170847  | 2   | Sensor, Proximity         |     |
| 11   | 1001204715  | 1   | Bracket                   |     |
| 12   | 1001182570  | 2   | Sensor, Proximity         |     |
| 13   | 1001272835  | 1   | Plate                     |     |
| 14   | 1001211588  | 1   | Shield                    |     |
| 15   | 1001277991  | 1   | Sensor (Lower)            |     |
| 15   | 4010303     | 1   | Screw Posi-drive M3 x 6   |     |
| 15   | 1001204939  | 1   | Sensor, Angle             |     |
| 15   | 1001273619  | 1   | Bracket                   |     |
| 15   | 1001211582  | 1   | Link, Angle Sensor Arm    |     |
| 16   | 1001211579  | 1   | Sensor (Upper)            |     |
| 16   | 4010303     | 1   | Screw Posi-drive M3 x 6   |     |
| 16   | 1001191020  | 1   | Sensor, Angle             |     |
| 16   | 1001211581  | 1   | Bracket                   |     |
| 16   | 1001211584  | 1   | Link, Angle Sensor Arm    |     |
| 17   | 1001211587  | 1   | Plate                     |     |
| 18   | 8406003     | 1   | Clip                      |     |
| 19   | 3290805     | 1   | Nut M8                    |     |
| 20   | 5251008     | 4   | Bolt M10 x 16             |     |
| 21   | 4240033     | 2   | Tie-Strap (Not Shown)     |     |
| 22   | 1001227792  | 1   | Plate                     |     |
| 23   | 1001278387  | 1   | Plate                     |     |
| 24   | 4812000     | 2   | Washer M10                |     |
| 25   | 0761009     | 2   | Bolt M10 x 18             |     |

SECTION 4 - BOOM

FIGURE 4-11. PLATFORM SUPPORT INSTALLATION



ART\_1001167596\_N

FIGURE 4-11. PLATFORM SUPPORT INSTALLATION

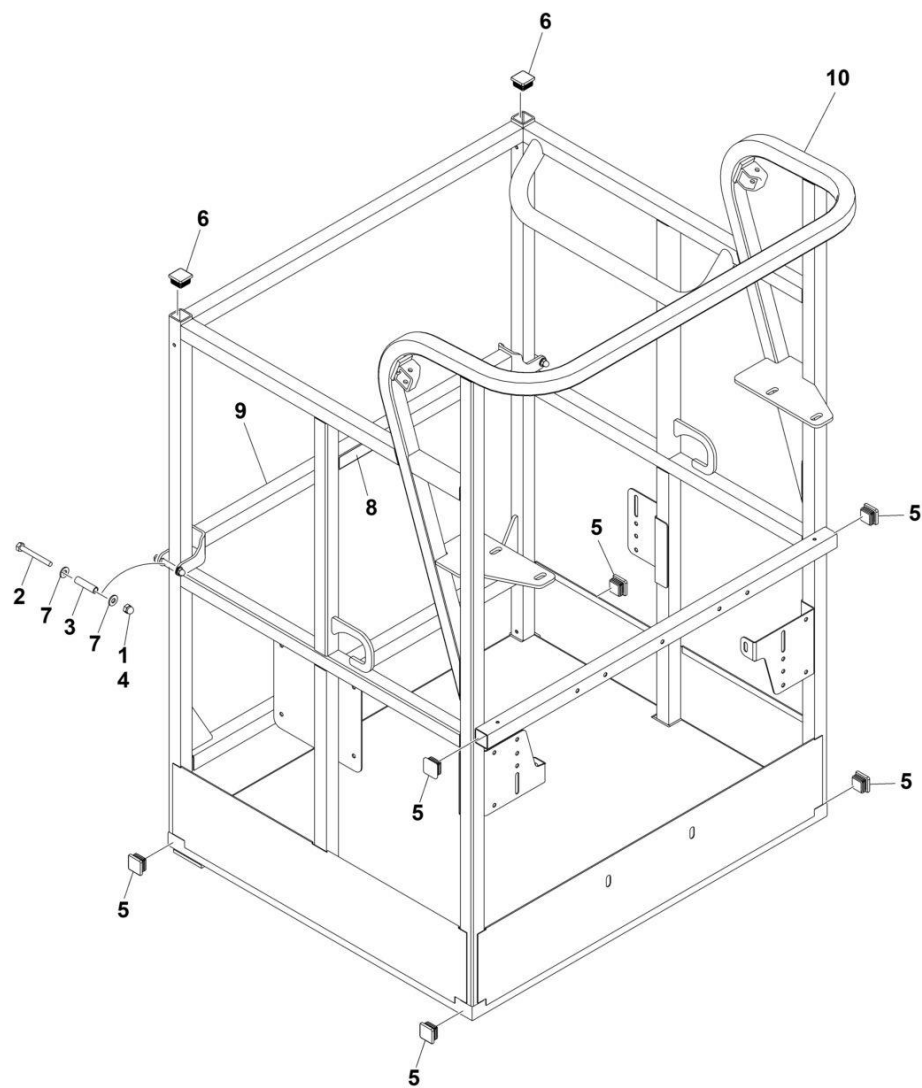
| ITEM | PART NUMBER | QTY | DESCRIPTION                        | REV |
|------|-------------|-----|------------------------------------|-----|
|      | 1001167596  | Ref | PLATFORM SUPPORT INSTALLATION      | N   |
| 1    | 0100011     | AR  | Compound, Locking                  |     |
| 2    | 0761014     | 5   | Bolt M10 x 30                      |     |
| 3    | 0761216     | 8   | Bolt M12 x 40                      |     |
| 4    | 1001255133  | 1   | Bolt 1 x 11 GRD8                   |     |
| 5    | 0681608     | 8   | Bolt 3/8 x 1 GRD8                  |     |
| 6    | 3291001     | 5   | Nut M10                            |     |
| 7    | 3291201     | 3   | Nut M12                            |     |
| 8    | 1001174040  | 1   | Nut 1                              |     |
| 9    | 3291205     | 8   | Nut M12                            |     |
| 10   | 3841143     | 4   | Keeper, Pin                        |     |
| 11   | 4812000     | 8   | Washer M10                         |     |
| 12   | 4812100     | 3   | Washer M12                         |     |
| 13   | 4891600     | 8   | Washer 3/8                         |     |
| 14   | 5241200     | 8   | Washer M12                         |     |
| 15   | 4892600001  | 1   | Washer 1                           |     |
| 16   | 1001098828  | 2   | Bolt M12 x 70 CL10.9               |     |
| 17   | 1001167565  | 2   | Pin                                |     |
| 18   | 1001200494  | 1   | Support, Platform                  |     |
| 19   | 1001167567  | 1   | Support, Rotator                   |     |
| 20   | 1001168402  | 2   | Pin                                |     |
| 21   | 1001188622  | 1   | Screw                              |     |
| 22   | 1001247468  | 1   | Loadcell                           |     |
| 23   | 1001188844  | 1   | Bolt M12 x 35                      |     |
| 24   | 1001201351  | 2   | Link                               |     |
| 24   | 1001187382  | 4   | Bearing                            |     |
| 24   | 1001187383  | 4   | Seal                               |     |
| 26   | 5251008     | 2   | Bolt M10 x 16 CL10.9               |     |
| 28   | 1001189002  | 8   | Bearing                            |     |
| 29   | 1001190985  | 1   | Pad, Wear                          |     |
| 30   | 3291005     | 2   | Nut M10                            |     |
| 31   | 5251016     | 2   | Bolt M10 x 40 CL10.9               |     |
| 32   | 1001200491  | 1   | Pad, Wear                          |     |
| 33   | 1001189001  | 4   | Bearing                            |     |
| 34   | 1001204725  | 2   | Plug                               |     |
| 36   | 91203039    | 1   | Clamp                              |     |
| 37   | 1001216630  | 2   | Decal - Tie Down/No Lift           |     |
| 38   | 1001238421  | Ref | Kit, Platform Leveling (Not Shown) |     |
|      | 1001202687  | Ref | VALVE MOUNT INSTALLATION           | B   |
| 101  | 0100011     | AR  | Compound, Locking                  |     |
| 102  | 0760810     | 4   | Bolt M8 x 20                       |     |
| 103  | 3290806     | 4   | Nut M8                             |     |
| 104  | 4811900     | 8   | Washer M8                          |     |
| 106  | 1001208994  | 1   | Mount, Valve                       |     |



**SECTION 5 - PLATFORM**

SECTION 5 - PLATFORM

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



ART\_1001228215



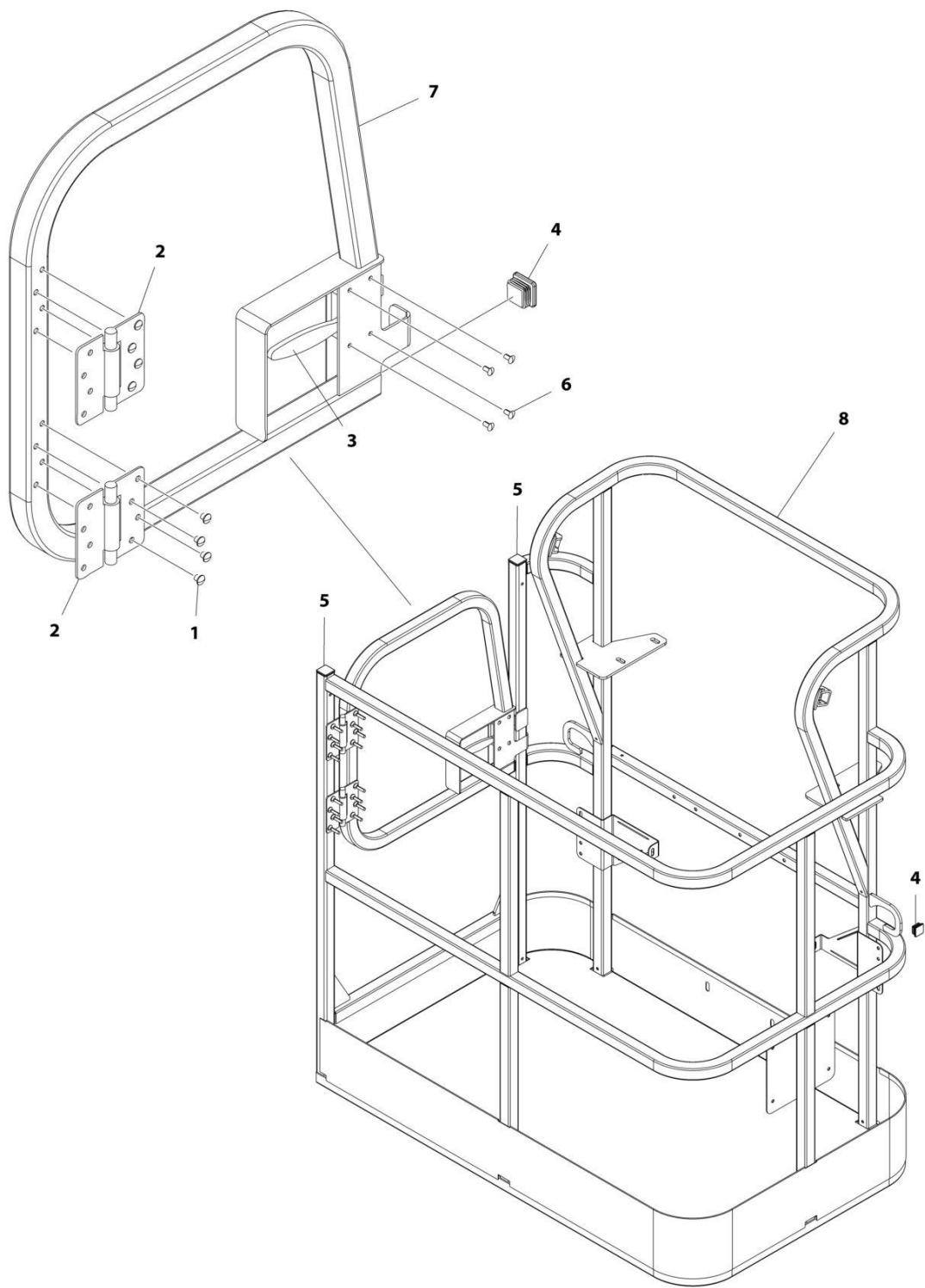
## SECTION 5 - PLATFORM

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

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

SECTION 5 - PLATFORM

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



ART\_1001186387

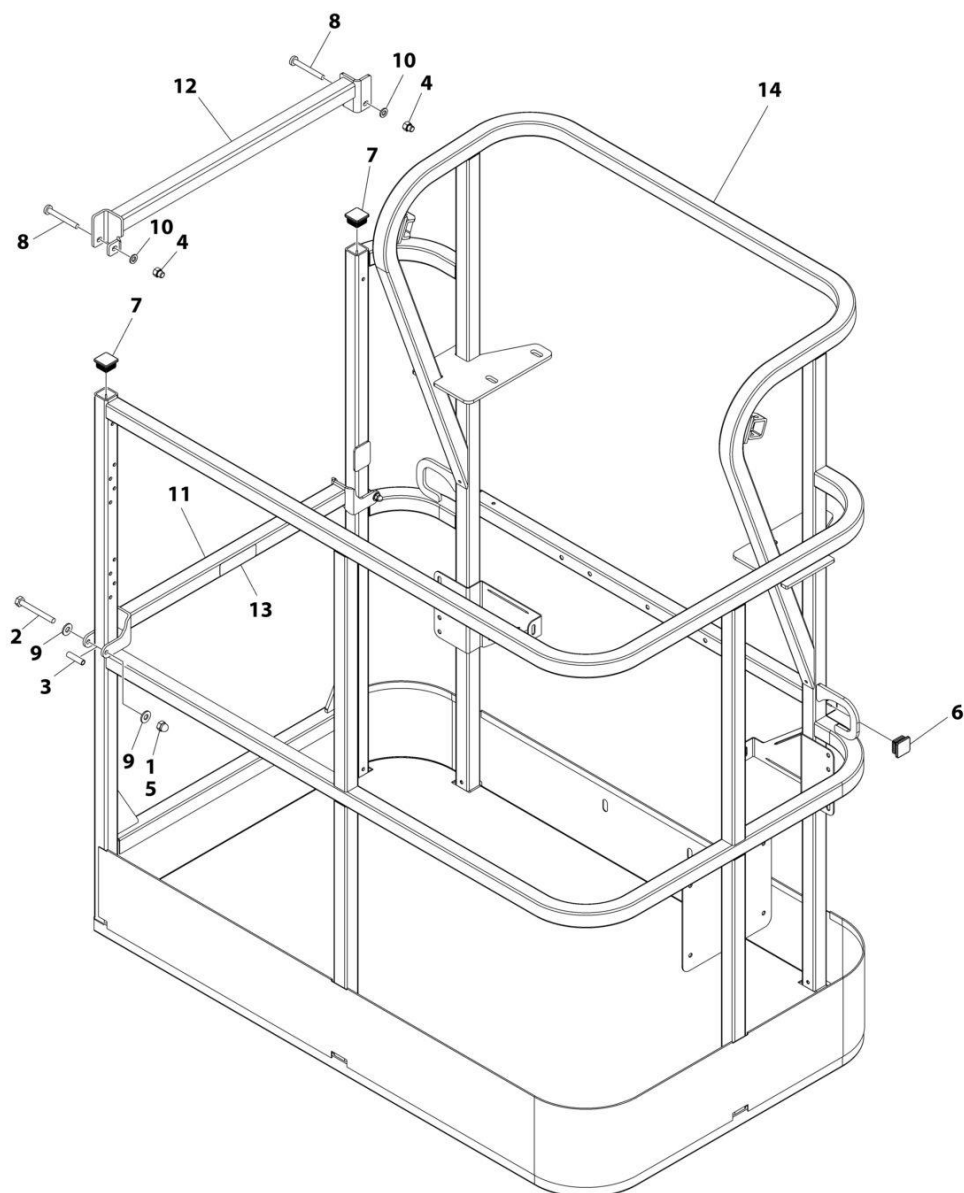
## SECTION 5 - PLATFORM

**FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH SWING GATE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001186387  | Ref | PLATFORM ASSEMBLY                                                                                                               | C   |
|      |             | Ref | Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations. |     |
|      |             | Ref | Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.                                                       |     |
| 1    | 2080040     | 16  | Fastener, Huck                                                                                                                  |     |
| 2    | 2600281     | 2   | Hinge, Self-Closing                                                                                                             |     |
| 3    | 2940074     | 1   | Latch                                                                                                                           |     |
| 4    | 3520072     | 3   | Plug                                                                                                                            |     |
| 5    | 3520198     | 2   | Plug                                                                                                                            |     |
| 6    | 3820020     | 4   | Rivet                                                                                                                           |     |
| 7    | 1001144629  | 1   | Gate                                                                                                                            |     |
| 8    | See Note    | 1   | Platform (Note: Not Available - Purchase Platform Assembly)                                                                     |     |

SECTION 5 - PLATFORM

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



ART\_1001186375

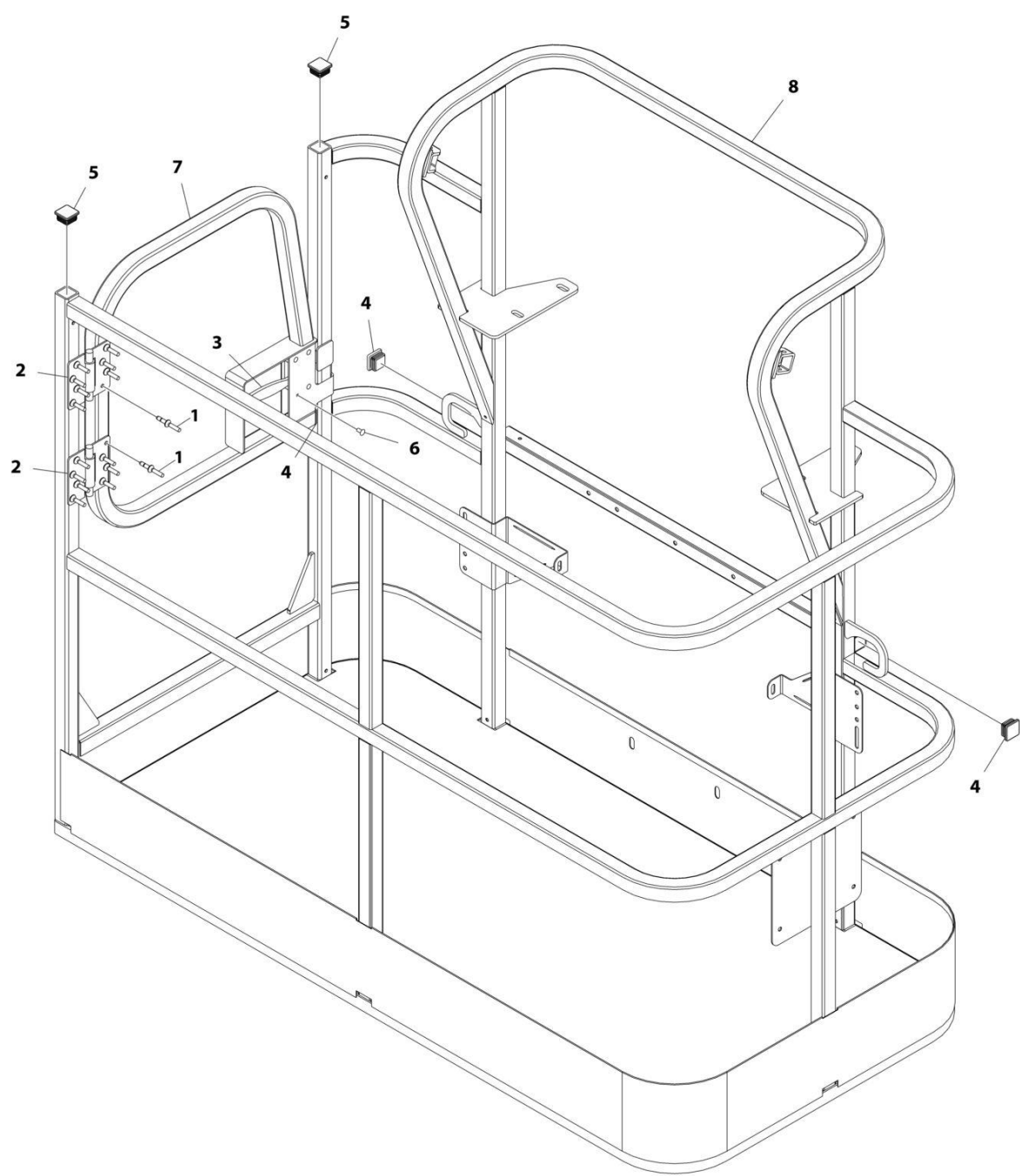
## SECTION 5 - PLATFORM

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

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001186375  | Ref | PLATFORM ASSEMBLY                                                                                                               | B   |
|      |             | Ref | Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations. |     |
|      |             | Ref | Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.                                                       |     |
| 1    | 0100011     | AR  | Compound, Locking                                                                                                               |     |
| 2    | 0641418     | 2   | Bolt 1/4 x 2-1/4                                                                                                                |     |
| 3    | 0961845     | 2   | Bushing                                                                                                                         |     |
| 4    | 3290606     | 2   | Nut M6                                                                                                                          |     |
| 5    | 3300151     | 2   | Nut 1/4                                                                                                                         |     |
| 6    | 3520072     | 2   | Plug                                                                                                                            |     |
| 7    | 3520198     | 2   | Plug                                                                                                                            |     |
| 8    | 4010618     | 2   | Screw M6 x 50                                                                                                                   |     |
| 9    | 4711400     | 4   | Washer 1/4                                                                                                                      |     |
| 10   | 4811700     | 2   | Washer M6                                                                                                                       |     |
| 11   | 1001138494  | 1   | Bar, Drop                                                                                                                       |     |
| 12   | 1001138514  | 1   | Rail - Top                                                                                                                      |     |
| 13   | 1001140429  | 1   | Decal - Drop Bar                                                                                                                |     |
| 14   | See Note    | 1   | Platform (Note: Not Available - Purchase Platform Assembly)                                                                     |     |

SECTION 5 - PLATFORM

FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) WITH SWING GATE



ART\_1001186386

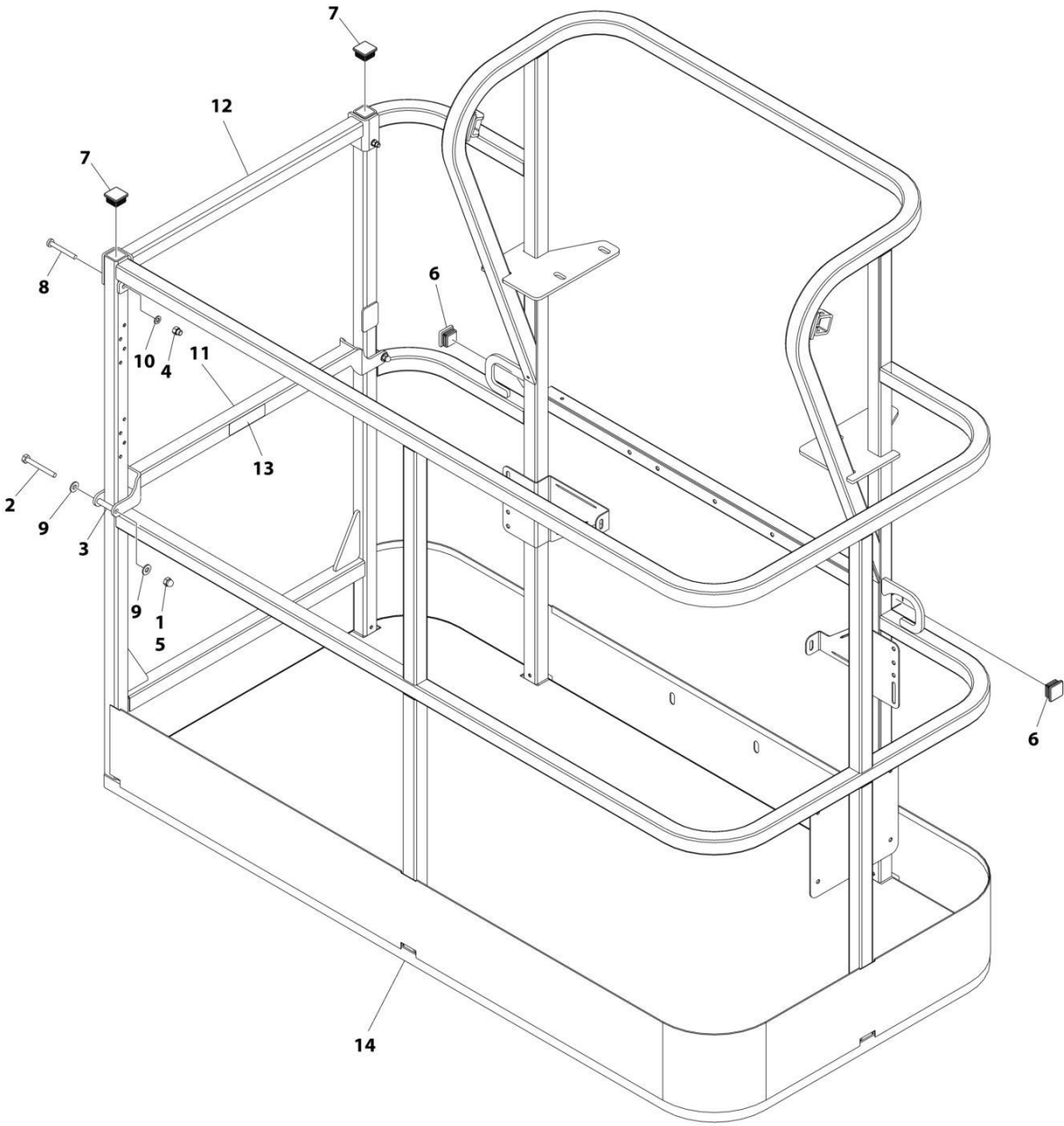
## SECTION 5 - PLATFORM

**FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) WITH SWING GATE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001186386  | Ref | PLATFORM ASSEMBLY                                                                                                               | C   |
|      |             | Ref | Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations. |     |
|      |             | Ref | Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.                                                       |     |
| 1    | 2080040     | 16  | Fastener, Huck                                                                                                                  |     |
| 2    | 2600281     | 2   | Hinge, Self-Closing                                                                                                             |     |
| 3    | 2940074     | 1   | Latch                                                                                                                           |     |
| 4    | 3520072     | 3   | Plug                                                                                                                            |     |
| 5    | 3520198     | 2   | Plug                                                                                                                            |     |
| 6    | 3820020     | 4   | Rivet                                                                                                                           |     |
| 7    | 1001144629  | 1   | Gate                                                                                                                            |     |
| 8    | See Note    | NSS | Platform (Note: Not Available - Purchase Platform Assembly)                                                                     |     |

SECTION 5 - PLATFORM

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



ART\_1001186377



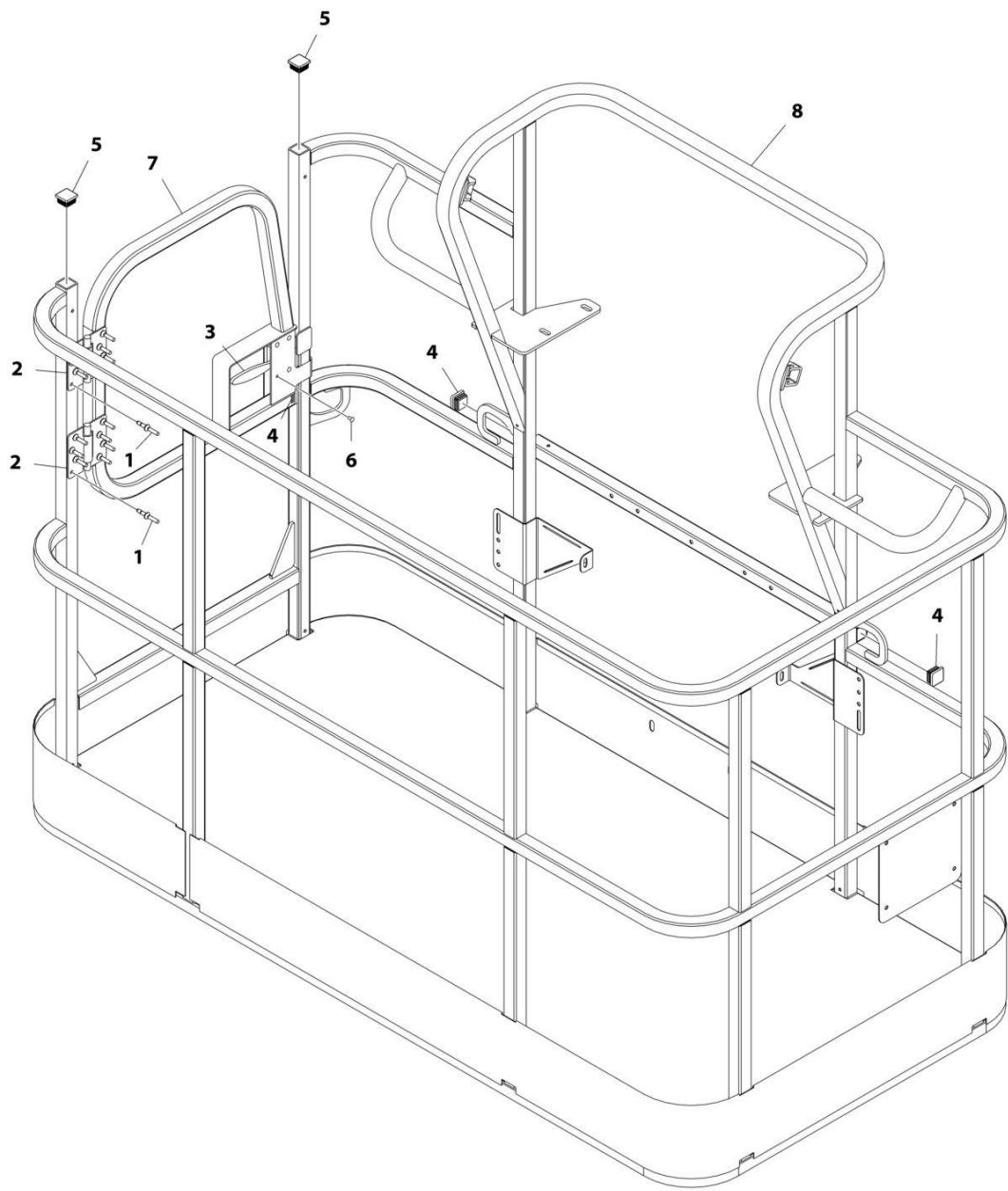
## SECTION 5 - PLATFORM

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

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001186377  | Ref | PLATFORM ASSEMBLY                                                                                                               | C   |
|      |             | Ref | Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations. |     |
|      |             | Ref | Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.                                                       |     |
| 1    | 0100011     | AR  | Compound, Locking                                                                                                               |     |
| 2    | 0641420     | 2   | Bolt 1/4 x 2-1/2                                                                                                                |     |
| 3    | 0961845     | 2   | Bushing                                                                                                                         |     |
| 4    | 3290606     | 2   | Nut M6                                                                                                                          |     |
| 5    | 3300151     | 2   | Nut 1/4                                                                                                                         |     |
| 6    | 3520072     | 2   | Plug                                                                                                                            |     |
| 7    | 3520198     | 2   | Plug                                                                                                                            |     |
| 8    | 4010618     | 2   | Screw M6 x 50                                                                                                                   |     |
| 9    | 4711400     | 4   | Washer 1/4                                                                                                                      |     |
| 10   | 4811700     | 2   | Washer M6                                                                                                                       |     |
| 11   | 1001138494  | 1   | Bar, Drop                                                                                                                       |     |
| 12   | 1001138514  | 1   | Rail (Top)                                                                                                                      |     |
| 13   | 1001140429  | 1   | Decal - Drop Bar                                                                                                                |     |
| 14   | See Note    | NSS | Platform (Note: Not Available - Purchase Platform Assembly)                                                                     |     |

SECTION 5 - PLATFORM

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



ART\_1001186384

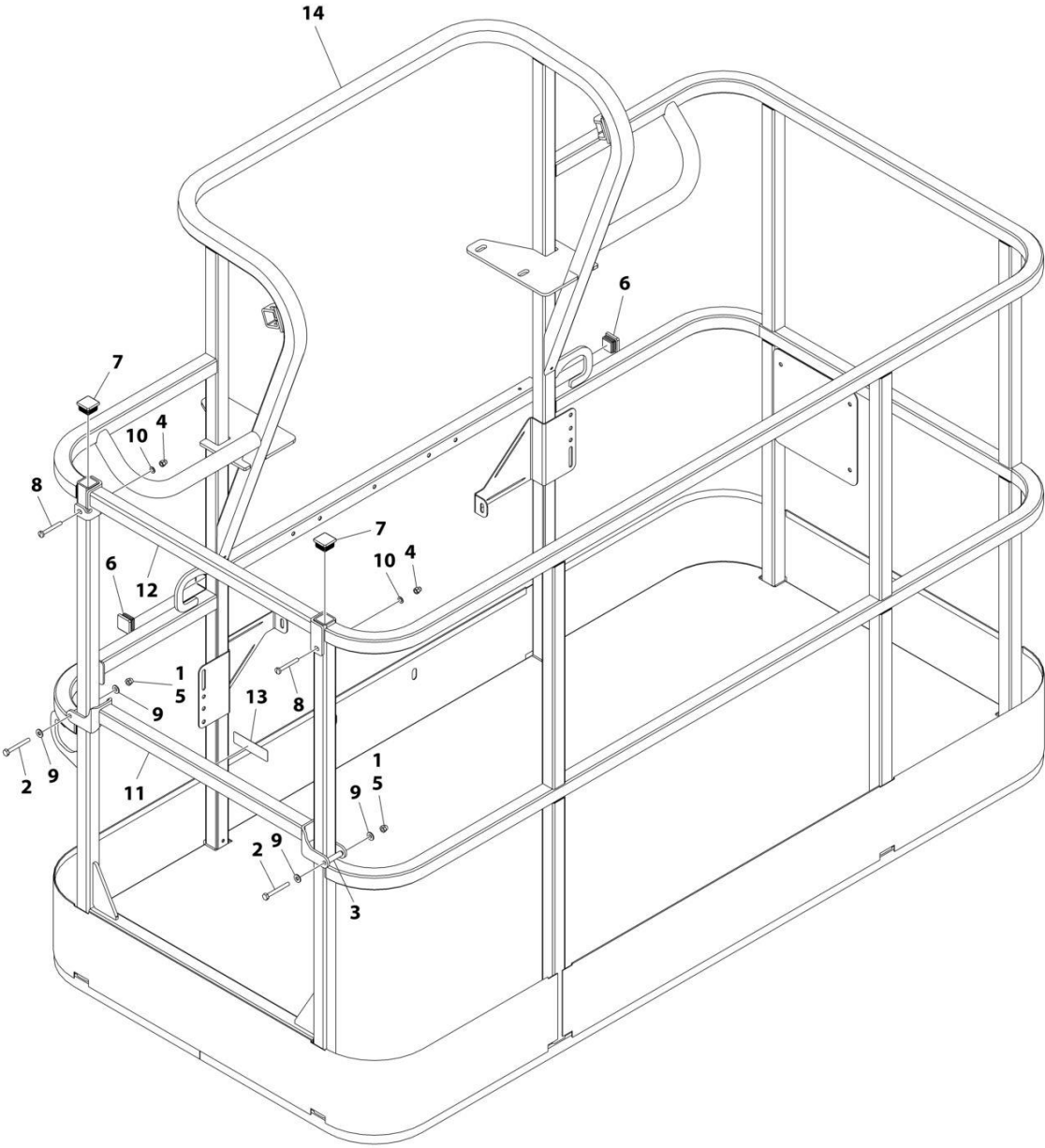
## SECTION 5 - PLATFORM

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

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001186384  | Ref | PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE                                                                 | C   |
|      | See Note    | Ref | Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations. |     |
|      | See Note    | Ref | Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.                                                       |     |
| 1    | 2080040     | 16  | Fastener, Huck                                                                                                                  |     |
| 2    | 2600281     | 2   | Hinge                                                                                                                           |     |
| 3    | 2940074     | 1   | Latch                                                                                                                           |     |
| 4    | 3520072     | 3   | Plug                                                                                                                            |     |
| 5    | 3520198     | 2   | Plug                                                                                                                            |     |
| 6    | 3820020     | 4   | Rivet                                                                                                                           |     |
| 7    | 1001144629  | 1   | Gate                                                                                                                            |     |
| 8    | See Note    | NSS | Platform (Note: Not Available - Purchase Platform Assembly)                                                                     |     |

SECTION 5 - PLATFORM

FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR



ART\_1001186379

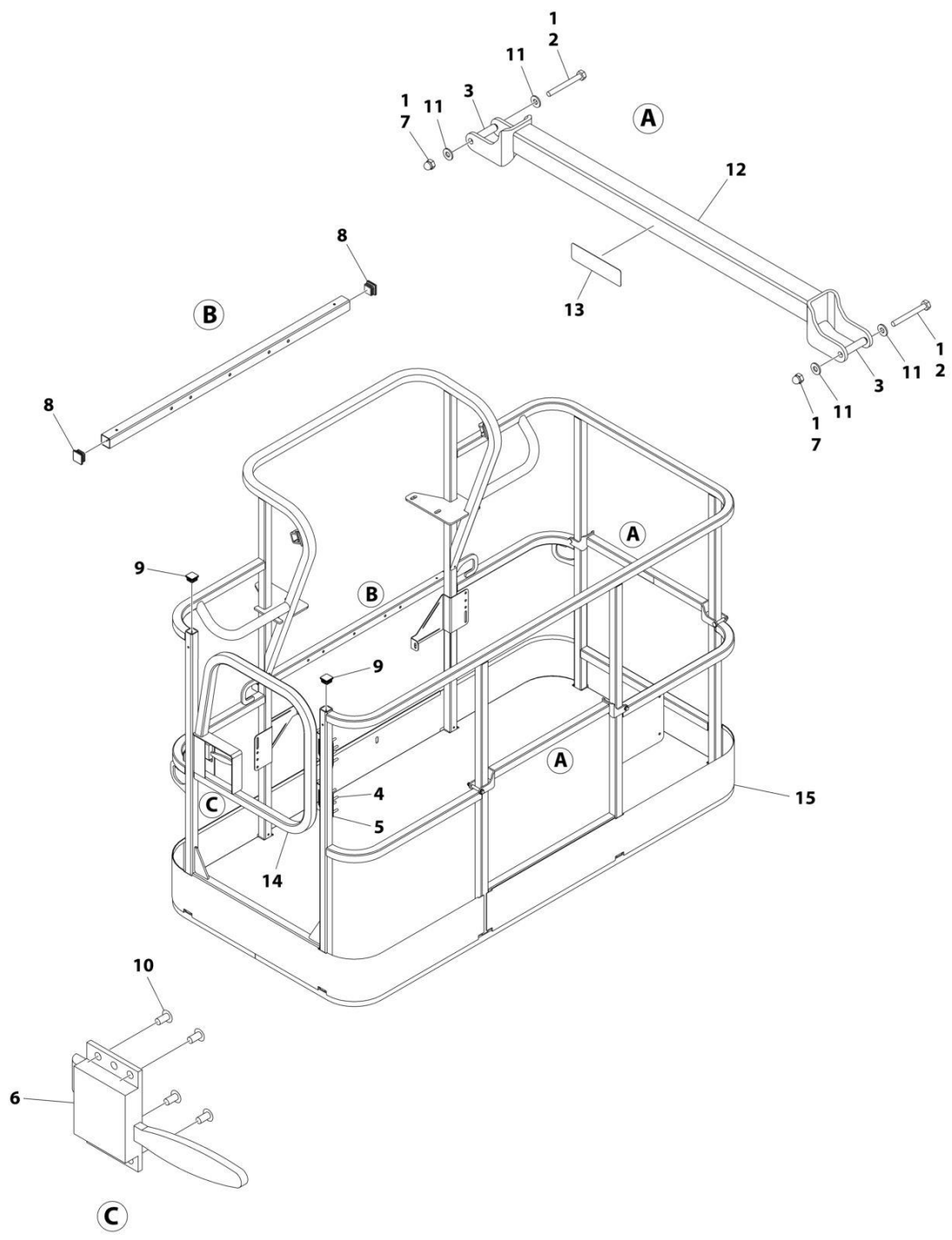
## SECTION 5 - PLATFORM

**FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001186379  | Ref | PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR                                                                   | B   |
|      |             | Ref | Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations. |     |
|      |             | Ref | Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.                                                       |     |
| 1    | 0100011     | AR  | Compound, Locking                                                                                                               |     |
| 2    | 0641418     | 2   | Bolt 1/4 x 2-1/4                                                                                                                |     |
| 3    | 0961845     | 2   | Bushing                                                                                                                         |     |
| 4    | 3290606     | 2   | Nut M6                                                                                                                          |     |
| 5    | 3300151     | 2   | Nut 1/4                                                                                                                         |     |
| 6    | 3520072     | 2   | Plug                                                                                                                            |     |
| 7    | 3520198     | 2   | Plug                                                                                                                            |     |
| 8    | 4010618     | 2   | Screw M6 x 50                                                                                                                   |     |
| 9    | 4711400     | 4   | Washer 1/4                                                                                                                      |     |
| 10   | 4811700     | 2   | Washer M6                                                                                                                       |     |
| 11   | 1001138494  | 1   | Bar, Drop                                                                                                                       |     |
| 12   | 1001138514  | 1   | Rail (Top)                                                                                                                      |     |
| 13   | 1001140429  | 1   | Decal - Drop Bar                                                                                                                |     |
| 14   | See Note    | NSS | Platform (Note: Not Available - Purchase Platform Assembly)                                                                     |     |

SECTION 5 - PLATFORM

FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE



ART\_1001228376

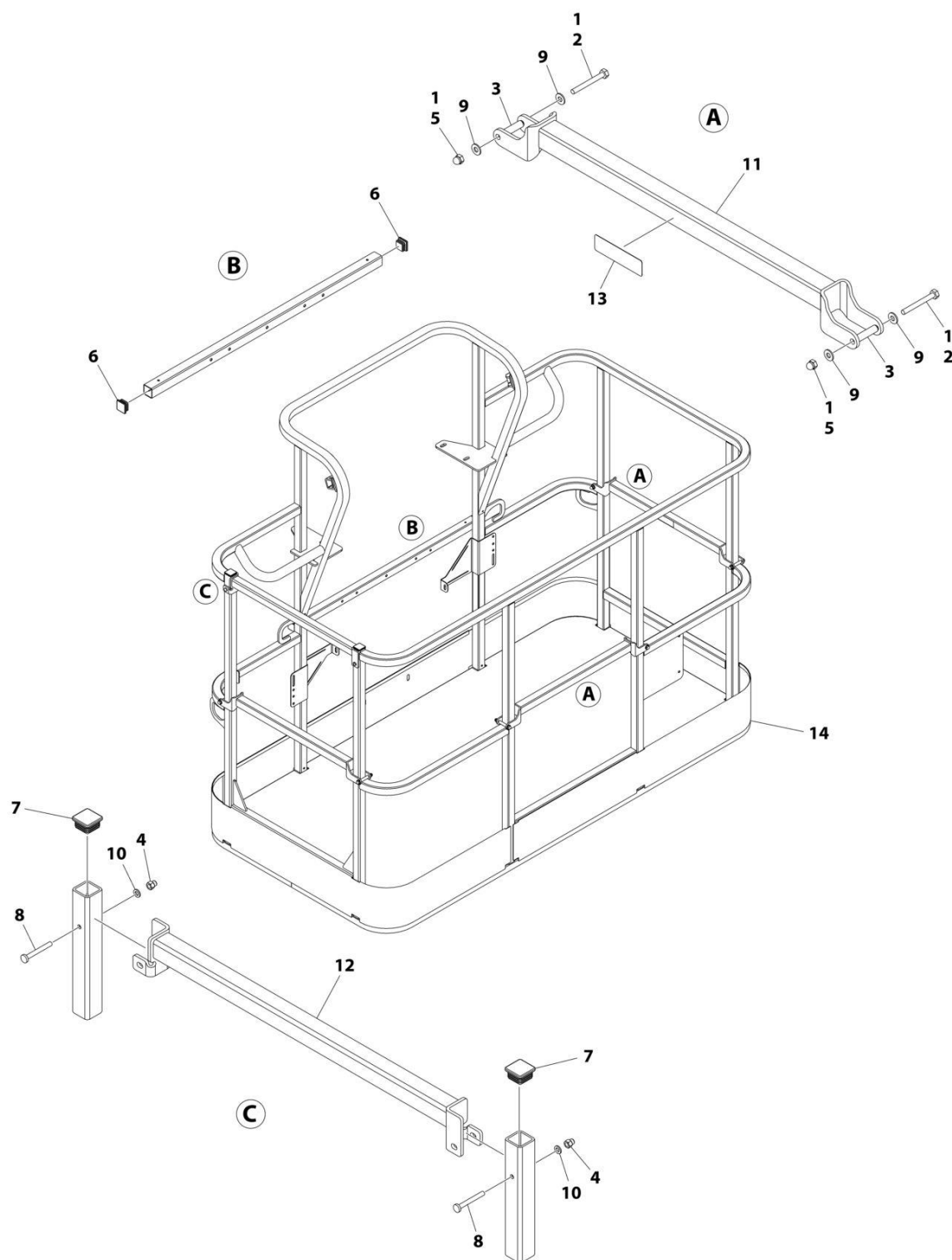
## SECTION 5 - PLATFORM

**FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE**

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

SECTION 5 - PLATFORM

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



ART\_1001228377



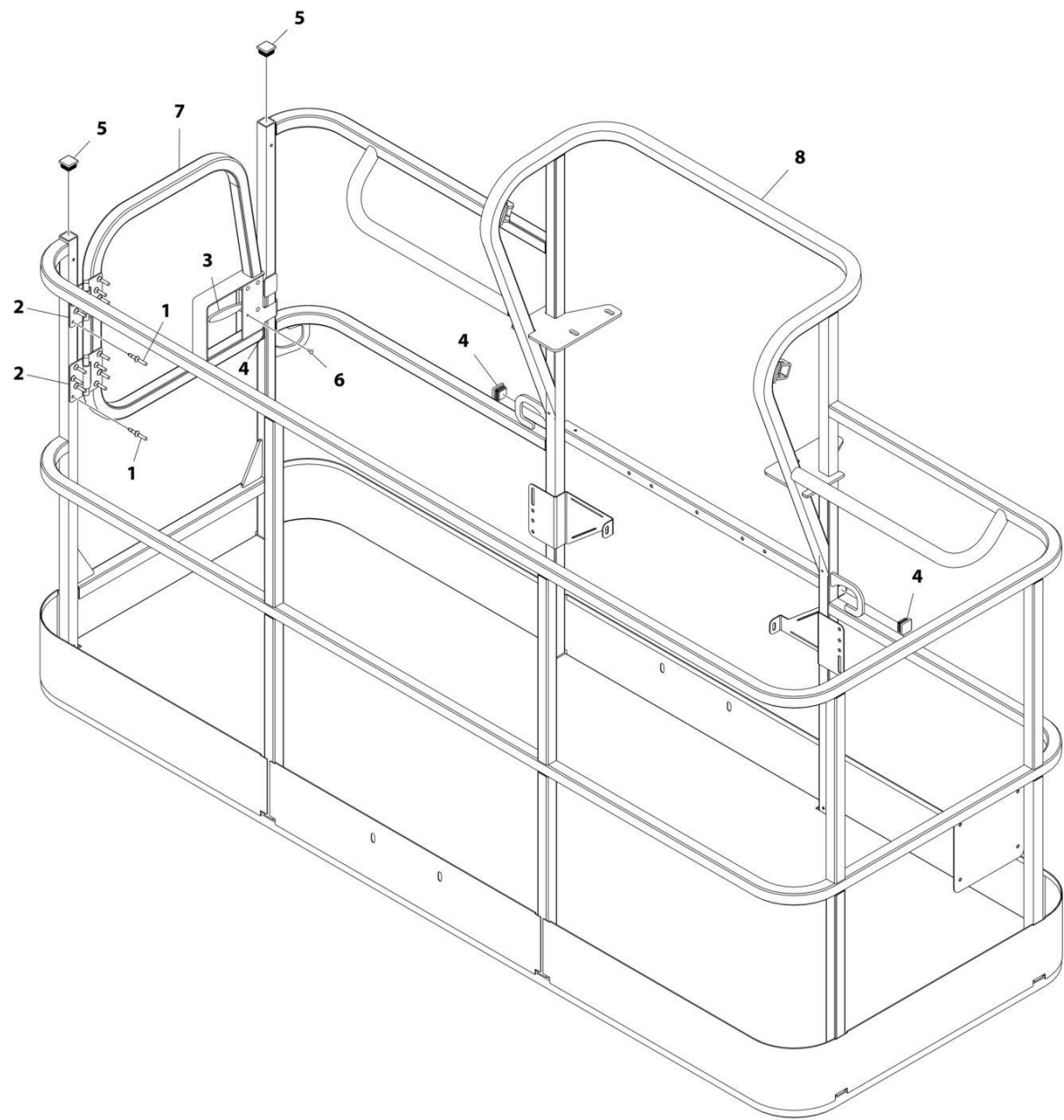
## SECTION 5 - PLATFORM

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

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

SECTION 5 - PLATFORM

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



ART\_1001186383

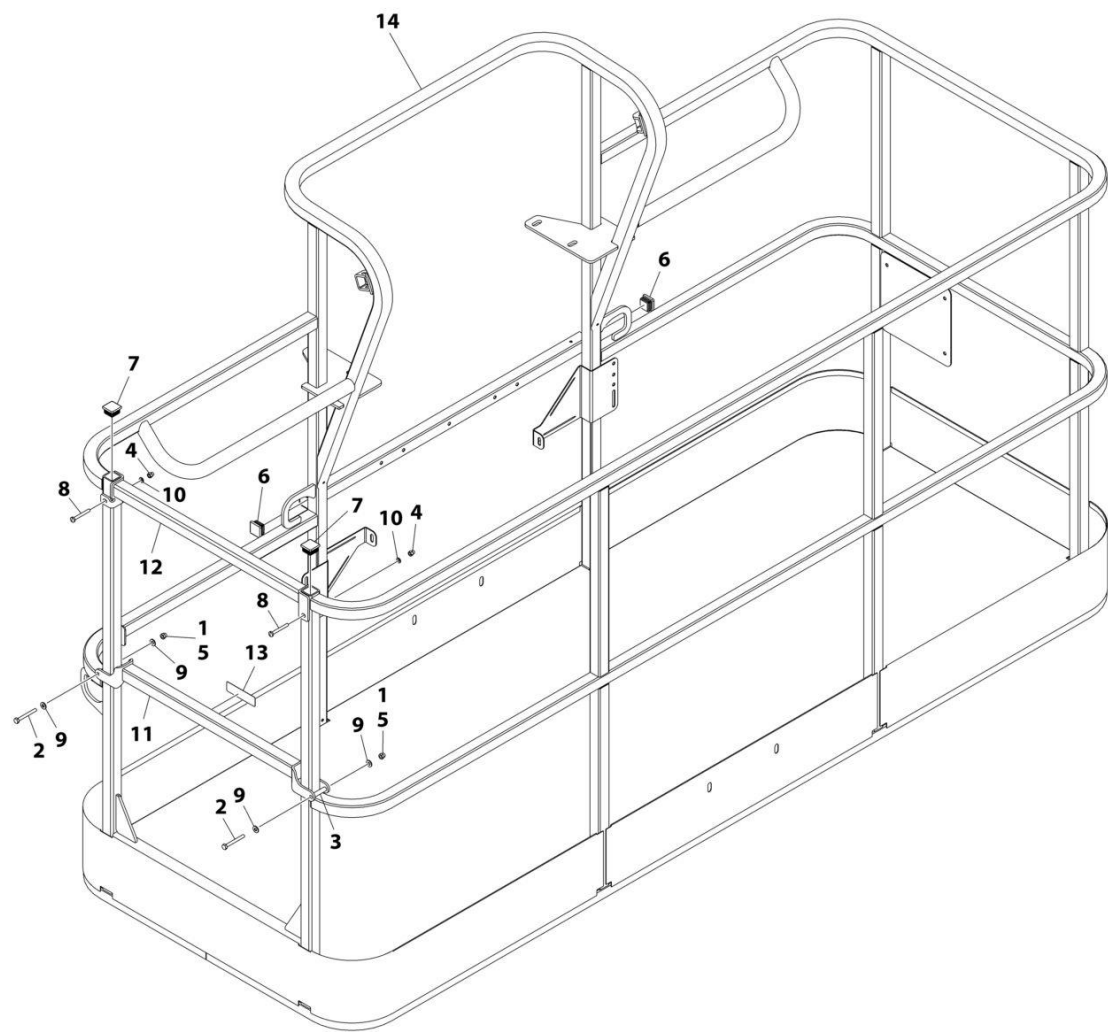
## SECTION 5 - PLATFORM

**FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001186383  | Ref | PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE                                                                 | D   |
|      |             | Ref | Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations. |     |
|      |             | Ref | Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.                                                       |     |
| 1    | 2080040     | 16  | Fastener, Huck                                                                                                                  |     |
| 2    | 2600281     | 2   | Hinge                                                                                                                           |     |
| 3    | 2940074     | 1   | Latch                                                                                                                           |     |
| 4    | 3520072     | 3   | Plug                                                                                                                            |     |
| 5    | 3520198     | 2   | Plug                                                                                                                            |     |
| 6    | 3820020     | 4   | Rivet                                                                                                                           |     |
| 7    | 1001144629  | 1   | Gate                                                                                                                            |     |
| 8    | See Note    | NSS | Platform (Note: Not Available - Purchase Platform Assembly)                                                                     |     |

SECTION 5 - PLATFORM

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



ART\_1001186382

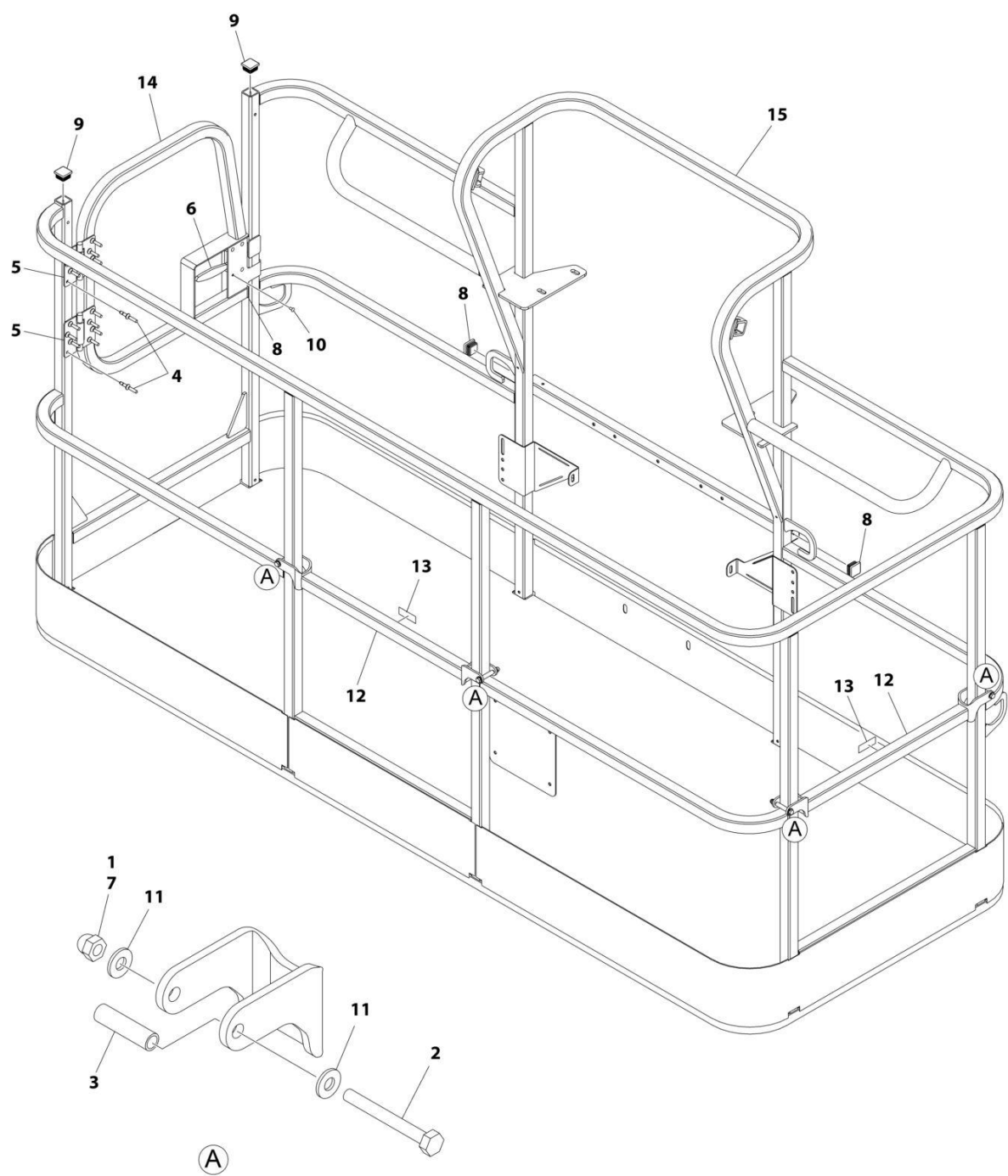
## SECTION 5 - PLATFORM

**FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001186382  | Ref | PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR                                                                   | C   |
|      |             | Ref | Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations. |     |
|      |             | Ref | Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.                                                       |     |
| 1    | 0100011     | AR  | Compound, Locking                                                                                                               |     |
| 2    | 0641418     | 2   | Bolt 1/4 x 2-1/4                                                                                                                |     |
| 3    | 0961845     | 2   | Bushing                                                                                                                         |     |
| 4    | 3290606     | 2   | Nut M6                                                                                                                          |     |
| 5    | 3300151     | 2   | Nut 1/4                                                                                                                         |     |
| 6    | 3520072     | 2   | Plug                                                                                                                            |     |
| 7    | 3520198     | 2   | Plug                                                                                                                            |     |
| 8    | 4010618     | 2   | Screw M6 x 50                                                                                                                   |     |
| 9    | 4711400     | 4   | Washer 1/4                                                                                                                      |     |
| 10   | 4811700     | 2   | Washer M6                                                                                                                       |     |
| 11   | 1001138494  | 1   | Bar, Drop                                                                                                                       |     |
| 12   | 1001138514  | 1   | Rail (Top)                                                                                                                      |     |
| 13   | 1001140429  | 1   | Decal - Drop Bar                                                                                                                |     |
| 14   | See Note    | NSS | Platform (Note: Not Available - Purchase Platform Assembly)                                                                     |     |

SECTION 5 - PLATFORM

FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH SWING GATE



ART\_1001228243

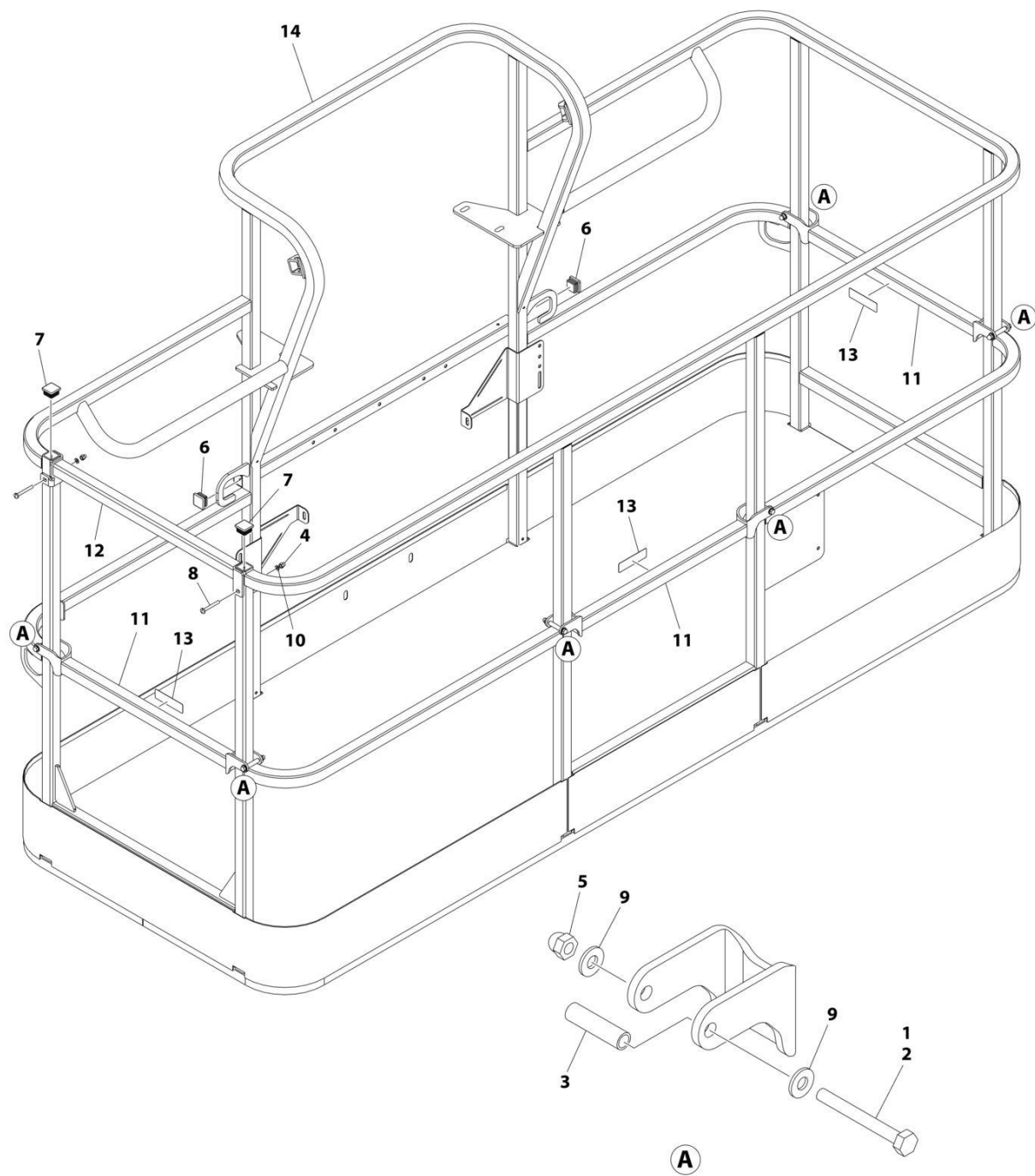
## SECTION 5 - PLATFORM

**FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH SWING GATE**

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

SECTION 5 - PLATFORM

FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROP BAR



ART\_1001228375

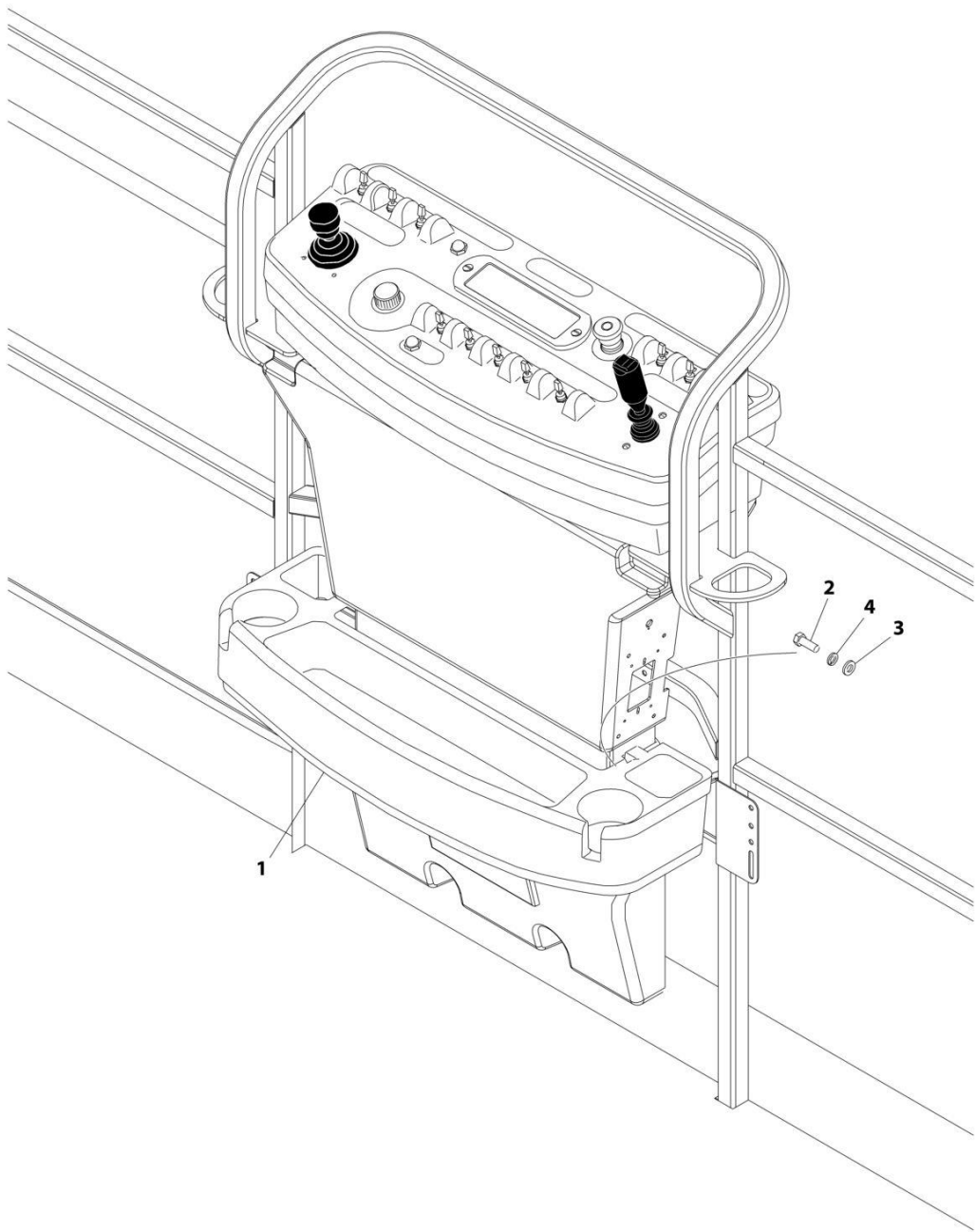


## SECTION 5 - PLATFORM

**FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROP BAR**

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

FIGURE 5-14. TRAY ASSEMBLY



ART\_1580012

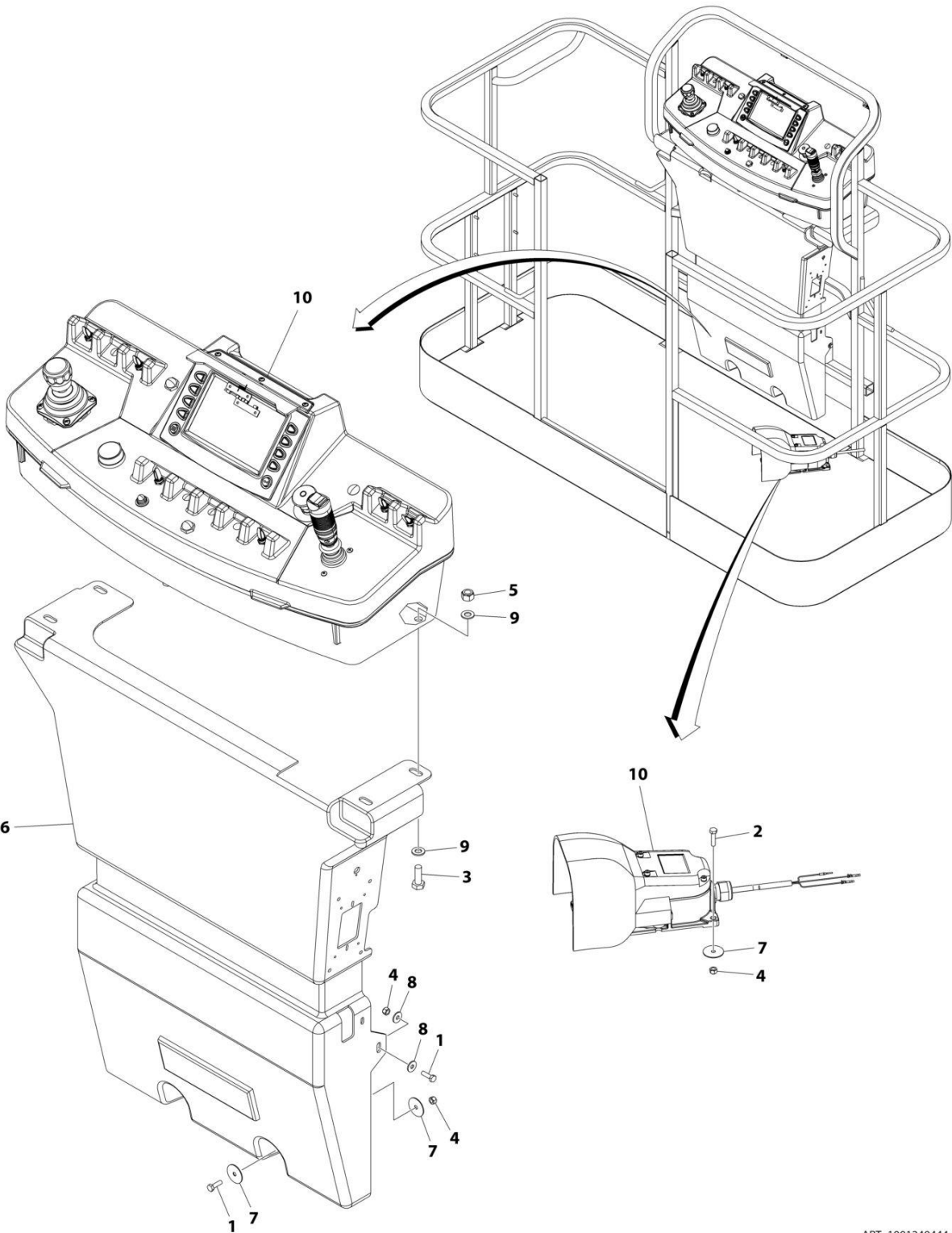
## SECTION 5 - PLATFORM

**FIGURE 5-14. TRAY ASSEMBLY**

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

SECTION 5 - PLATFORM

FIGURE 5-15. PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION



ART\_1001249444

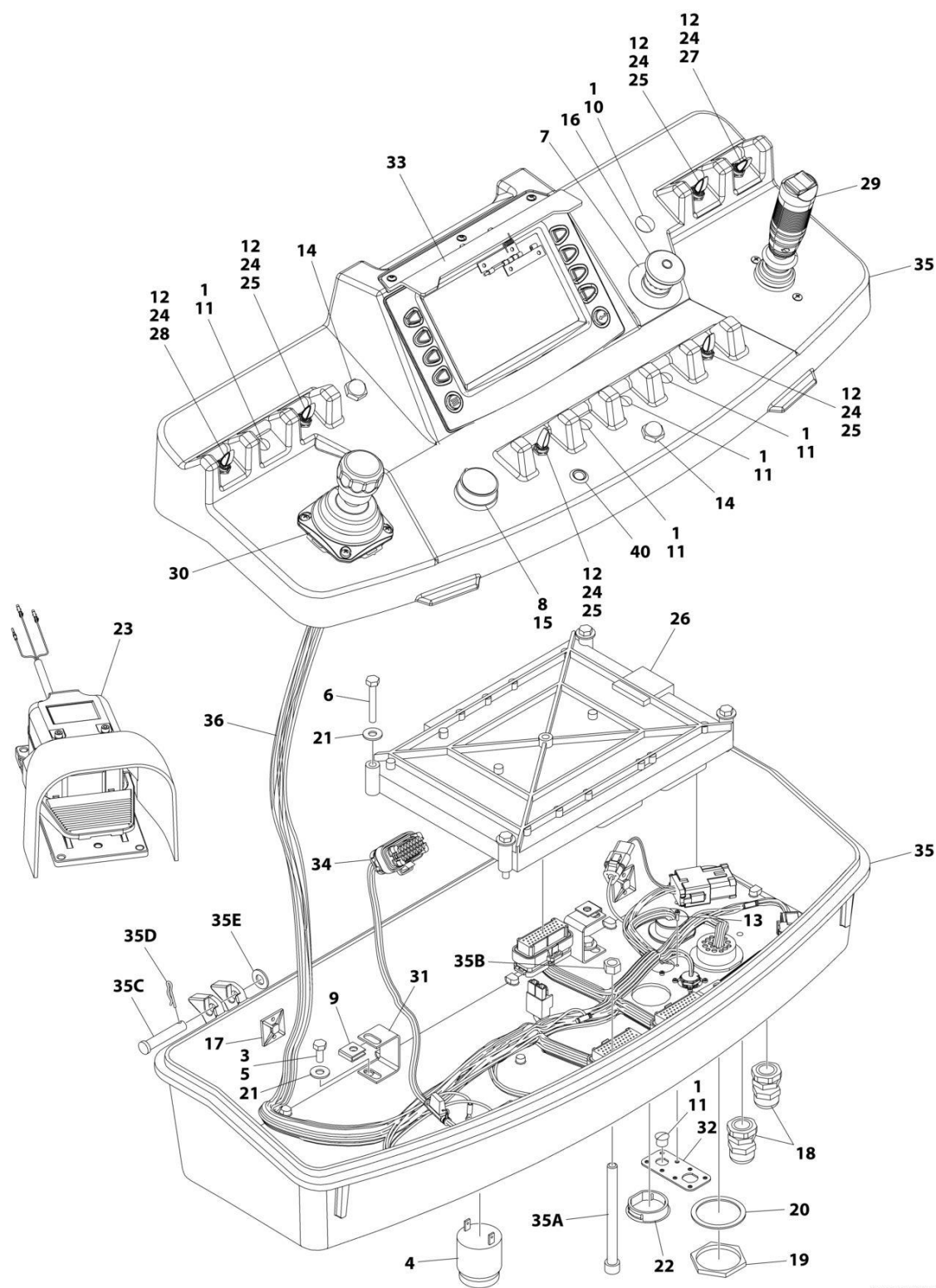
## SECTION 5 - PLATFORM

**FIGURE 5-15. PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                        | REV |
|------|-------------|-----|--------------------------------------------------------------------|-----|
|      | 1001249444  | Ref | PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION                       | B   |
| 1    | 0700610     | 4   | Bolt M6 x 20                                                       |     |
| 2    | 0700612     | 3   | Bolt M6 x 25                                                       |     |
| 3    | 0701014     | 4   | Bolt M10 x 30                                                      |     |
| 4    | 3290605     | 7   | Nut M6                                                             |     |
| 5    | 3291005     | 4   | Nut M10                                                            |     |
| 6    | 3380434     | 1   | Panel                                                              |     |
| 7    | 4740362     | 7   | Washer                                                             |     |
| 8    | 4811702     | 4   | Washer M6                                                          |     |
| 9    | 4812000     | 8   | Washer M10                                                         |     |
| 10   | 1001249443  | 1   | Platform Console Assembly (See Separate Breakdown in this Section) |     |

SECTION 5 - PLATFORM

FIGURE 5-16. CONSOLE BOX ASSEMBLY



ART\_1001249443\_C

## SECTION 5 - PLATFORM

**FIGURE 5-16. CONSOLE BOX ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                         | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------|-----|
|      | 1001249443  | Ref | CONSOLE BOX ASSEMBLY                                                                                | C   |
| 1    | 0100009     | AR  | Sealant                                                                                             |     |
| 3    | 0100035     | AR  | Adhesive                                                                                            |     |
| 4    | 0140011     | 1   | Alarm                                                                                               |     |
| 5    | 0641405     | 4   | Bolt 1/4 x 5/8                                                                                      |     |
| 6    | 0641414     | 4   | Bolt 1/4 x 1-3/4                                                                                    |     |
| 7    | 1704260     | 1   | Decal - Emergency Stop                                                                              |     |
| 8    | 2560136     | 1   | Handle, Knob                                                                                        |     |
| 9    | 3300353     | 4   | Nut, Tinnerman                                                                                      |     |
| 10   | 3520027     | 1   | Plug                                                                                                |     |
| 11   | 3520054     | 5   | Plug                                                                                                |     |
| 12   | 3790012     | 6   | O-Ring                                                                                              |     |
| 13   | 3900349     | 8   | Capscrew M2.5 x 8                                                                                   |     |
| 14   | 4360387     | 2   | Switch, Push Button                                                                                 |     |
| 15   | 4360407     | 1   | Controller, Speed                                                                                   |     |
| 15   | 4460224     | 1   | Receptacle, Female - 6 Position                                                                     |     |
| 15   | 4460226     | 6   | Socket, Female                                                                                      |     |
| 15   | See Note    | 1   | Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)        |     |
| 15   | 70003784    | 1   | Seal                                                                                                |     |
| 16   | 1001274559  | 1   | Switch, Emergency Stop                                                                              |     |
| 17   | 4460234     | 6   | Mount, Tie-Strap                                                                                    |     |
| 18   | 4460428     | 2   | Connector, Strain Relief                                                                            |     |
| 19   | 4460470     | 1   | Nut, Terminal                                                                                       |     |
| 20   | 4460471     | 1   | Washer, Terminal                                                                                    |     |
| 21   | 4751400     | 8   | Washer 1/4                                                                                          |     |
| 22   | 1001110434  | 1   | Plug                                                                                                |     |
| 23   | 1001117174  | 1   | Footswitch Assembly (See Separate Breakdown in this Section)                                        |     |
| 24   | 1001155044  | 6   | Nut 15/32                                                                                           |     |
| 25   | 1001155045  | 4   | Switch, Toggle                                                                                      |     |
| 26   | 1001185726  | 1   | Module, Platform (Note: Re-calibration Required when Replaced)                                      |     |
| 27   | 1001159256  | 1   | Switch, Toggle                                                                                      |     |
| 28   | 1001161709  | 1   | Switch, Toggle                                                                                      |     |
| 29   | 1001166538  | NLA | Controller Assembly (Drive and Steer) (Use p/n 1001212415) (See Separate Breakdown in this Section) |     |
| 30   | 1001166539  | NLA | Controller Assembly (Lift and Swing) (Use p/n 1001129555) (See Separate Breakdown in this Section)  |     |
| 31   | 1001172760  | 4   | Bracket                                                                                             |     |
| 32   | 1001213882  | 1   | Mount, Connector                                                                                    |     |
| 33   | 1001239366  | Ref | Display Installation (See Separate Breakdown in this Section)                                       |     |
| 34   | 1001241530  | 1   | Platform Display Harness (See Separate Breakdown in ELECTRICAL Section)                             |     |
| 35   | 1001243042  | 1   | Console Box Assembly                                                                                |     |
| 35A  | 0630568     | 1   | Capscrew 3/8 x 4-1/2                                                                                |     |
| 35B  | 3311601     | 1   | Nut 3/8                                                                                             |     |
| 35C  | 3430616     | 2   | Pin                                                                                                 |     |
| 35D  | 3470003     | 2   | Hairpin                                                                                             |     |
| 35E  | 4711600     | 2   | Washer 3/8                                                                                          |     |
| 36   | 1001238409  | 1   | Platform Console Harness (See Separate Breakdown in ELECTRICAL Section)                             |     |
| 39   | 4240099     | AR  | Tie-Strap (Not Shown)                                                                               |     |

**SECTION 5 - PLATFORM**

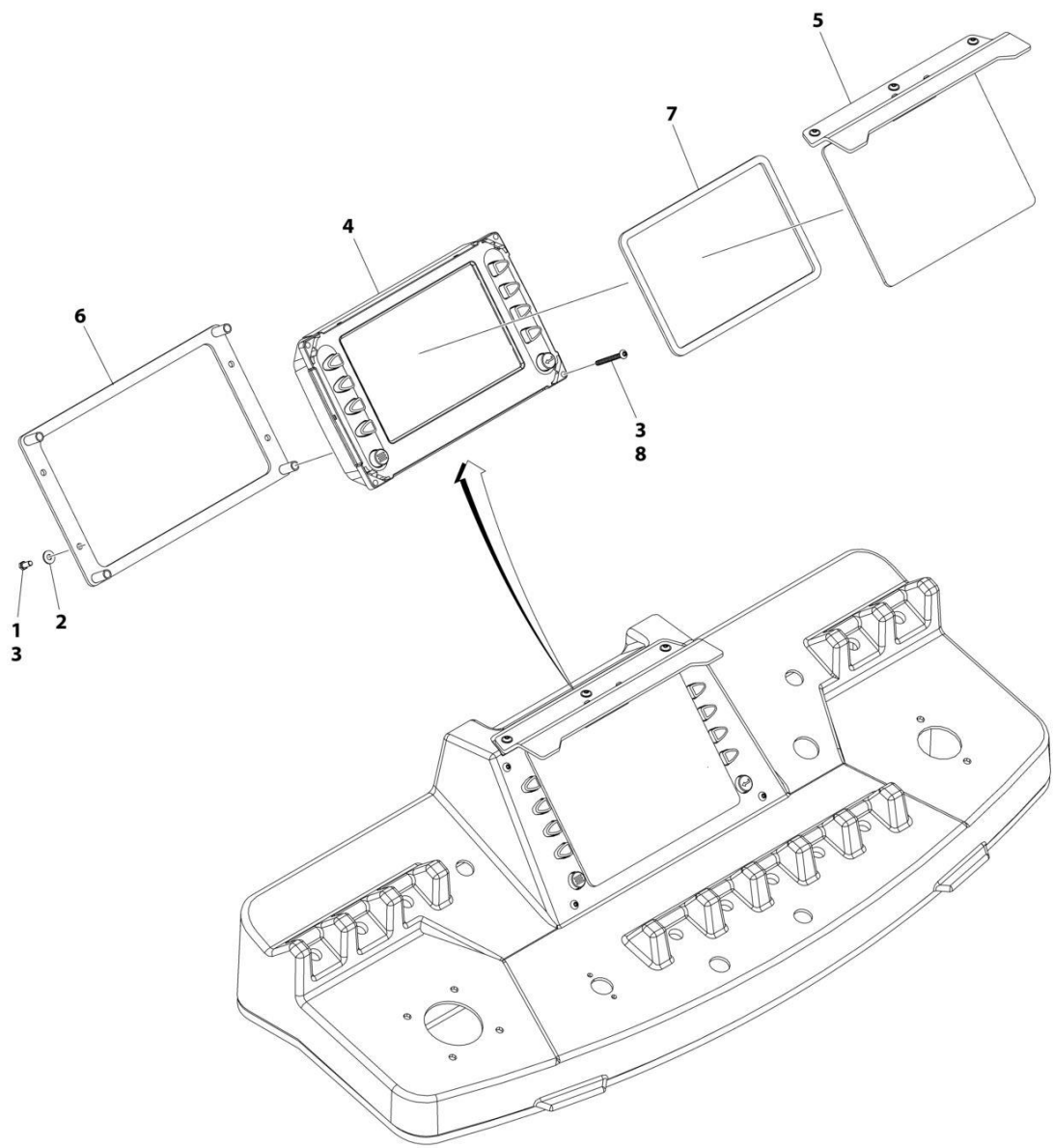
| ITEM | PART NUMBER | QTY | DESCRIPTION                | REV |
|------|-------------|-----|----------------------------|-----|
| 40   | 1001206532  | 1   | Lamp, LED Indicator Yellow |     |





SECTION 5 - PLATFORM

FIGURE 5-17. DISPLAY INSTALLATION



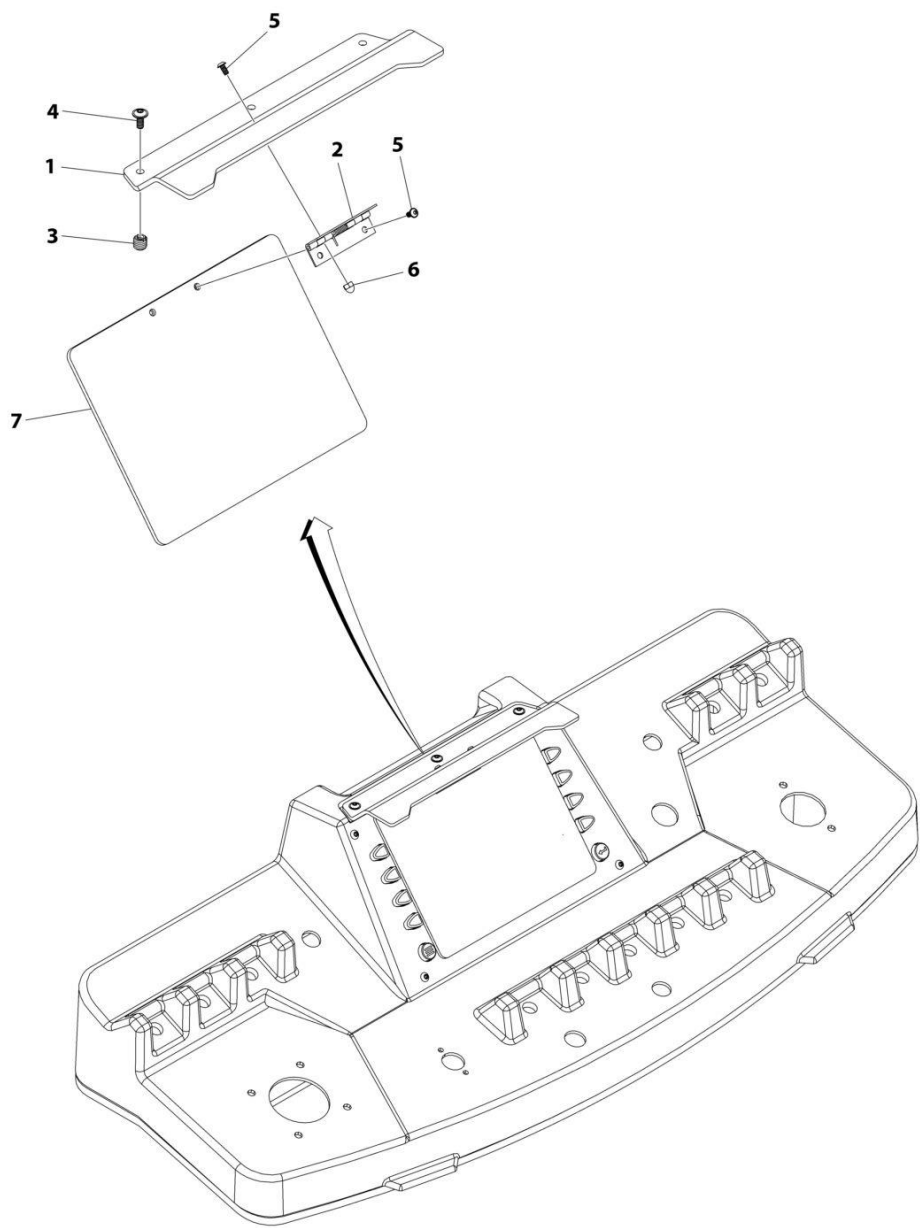
ART\_1001239366

**FIGURE 5-17. DISPLAY INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                              | REV |
|------|-------------|-----|--------------------------------------------------------------------------|-----|
|      | 1001239366  | Ref | DISPLAY INSTALLATION                                                     | B   |
| 1    | 0720803     | 4   | Screw #8 x 3/8                                                           |     |
| 2    | 4750800     | 4   | Washer #8                                                                |     |
| 3    | 1001180620  | AR  | Adhesive                                                                 |     |
| 4    | 1001239365  | 1   | Display                                                                  |     |
| 5    | 1001244861  | Ref | Display Protection Installation (See Separate Breakdown in this Section) |     |
| 6    | 1001244891  | 1   | Bracket                                                                  |     |
| 7    | 1001244927  | 1   | Gasket                                                                   |     |
| 8    | 1001253881  | 4   | Screw M4 x 40                                                            |     |

SECTION 5 - PLATFORM

FIGURE 5-18. DISPLAY PROTECTION INSTALLATION



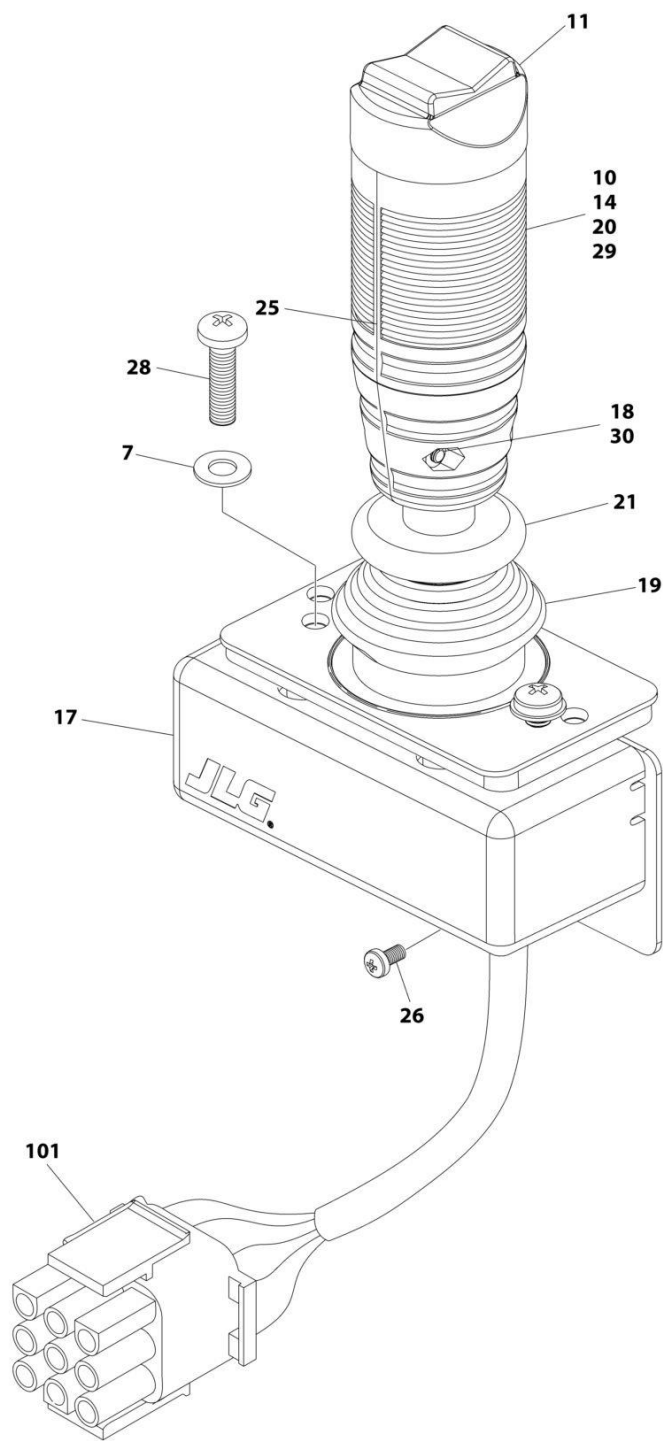
ART\_1001244861

**FIGURE 5-18. DISPLAY PROTECTION INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001244861  | Ref | DISPLAY PROTECTION INSTALLATION | A   |
| 1    | 1001244772  | 1   | Shield, Screen                  |     |
| 2    | 1001244774  | 1   | Hinge                           |     |
| 3    | 1001244866  | 3   | Fastener                        |     |
| 4    | 1001244868  | 3   | Screw M4 x 10                   |     |
| 5    | 1001244870  | 4   | Screw M3 x 6                    |     |
| 6    | 1001244872  | 2   | Nut M3                          |     |
| 7    | 1001245271  | 1   | Cover, Display                  |     |

SECTION 5 - PLATFORM

FIGURE 5-19. CONTROLLER ASSEMBLY (DRIVE AND STEER)



ART\_1001166538

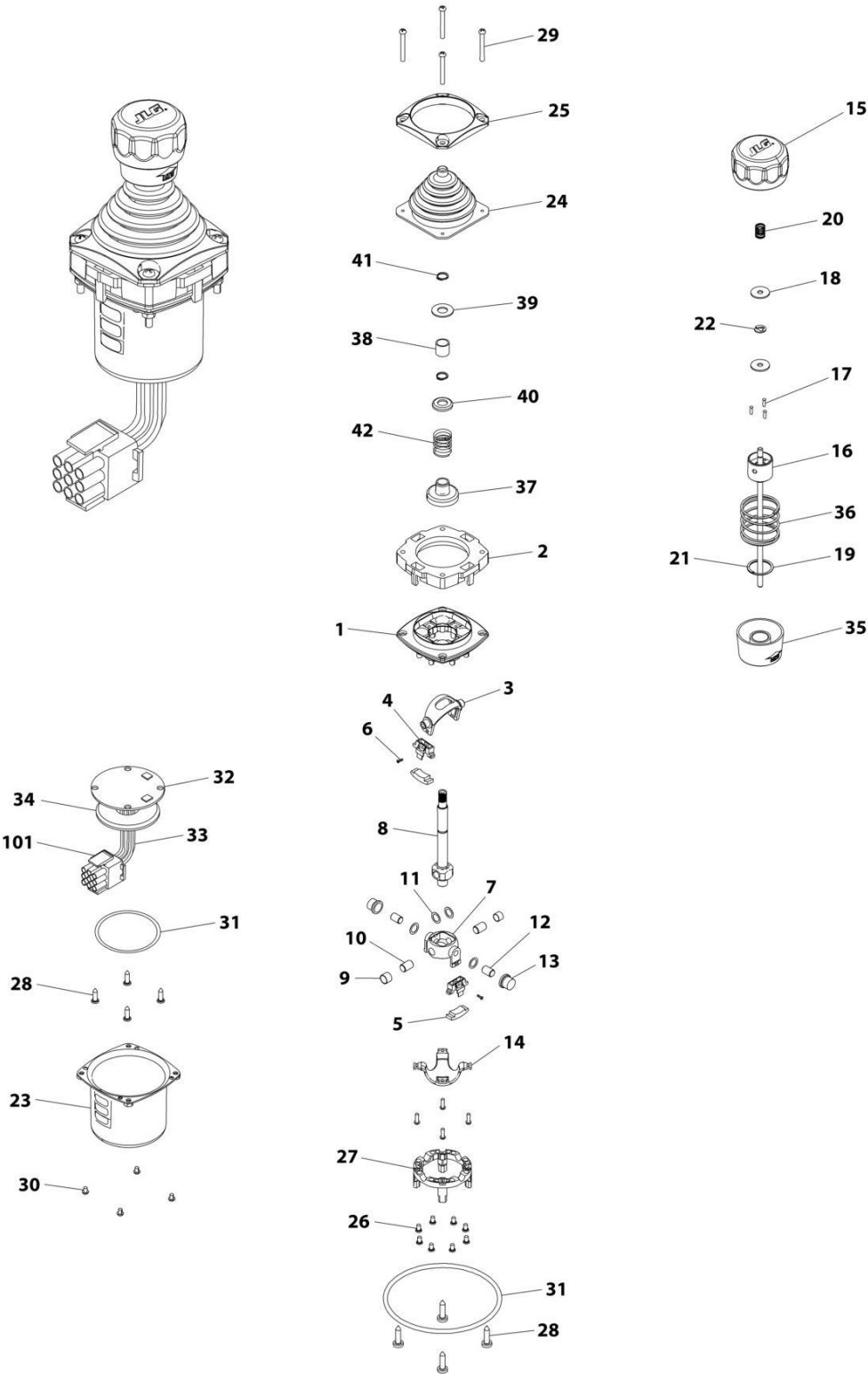
## SECTION 5 - PLATFORM

**FIGURE 5-19. CONTROLLER ASSEMBLY (DRIVE AND STEER)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                            | REV |
|------|-------------|-----|--------------------------------------------------------|-----|
|      | 1001166538  | Ref | CONTROLLER ASSEMBLY - DRIVE AND STEER                  | G   |
|      |             | Ref | Note: For Replacement, Use p/n 1001212415.             |     |
| 7    | 70004738    | 2   | Washer                                                 |     |
| 10   | 70004739    | 1   | Roller                                                 |     |
| 11   | 70004740    | 1   | Boot, Switch                                           |     |
| 14   | 70004741    | 2   | Half, Handle                                           |     |
| 17   | 70004742    | 1   | Enclosure                                              |     |
| 18   | 70004743    | 4   | Nut                                                    |     |
| 19   | 70004744    | NLA | Boot, Controller (Use p/n 70005230 Boot/Base Assembly) |     |
| 20   | 70004745    | NLA | Tube, Locking (Use p/n 70005230 Boot/Base Assembly)    |     |
| 21   | 70004746    | NLA | Disc, Locking (Use p/n 70005230 Boot/Base Assembly)    |     |
| 25   | 70004747    | 2   | Seal, Rope                                             |     |
| 26   | 70004748    | 1   | Screw M3 x 6                                           |     |
| 28   | 70004749    | 2   | Screw M5 x 20                                          |     |
| 29   | 70004750    | 1   | Pin, Dowel                                             |     |
| 30   | 70004751    | 4   | Screw M3 x 16                                          |     |
| 101  | 4460265     | 1   | Connector - 9 Position                                 |     |
| 101  | 4460226     | 7   | Socket, Female                                         |     |

SECTION 5 - PLATFORM

FIGURE 5-20. CONTROLLER ASSEMBLY (LIFT AND SWING)



ART\_1001166539



## SECTION 5 - PLATFORM

**FIGURE 5-20. CONTROLLER ASSEMBLY (LIFT AND SWING)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                         | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001166539  | Ref | CONTROLLER ASSEMBLY                                                                                                                                 | E   |
|      |             | Ref | Note: Original Equipment Controller May Have Been Replaced with Service Replacement Controller. Visually Identify Controller Before Ordering Parts. |     |
|      |             | Ref | Note: For Replacement, Use p/n 1001129555                                                                                                           |     |
| 1    | See Note    | NSS | Main Cast Body (Note: Not Available - Purchase Complete Assembly)                                                                                   |     |
| 2    | 70004752    | 1   | Adapter                                                                                                                                             |     |
| 3    | See Note    | NSS | Pivot Arm, Plastic (Note: Not Available - Purchase Complete Assembly)                                                                               |     |
| 4    | See Note    | NSS | Holder, Magnet (Note: Not Available - Purchase Complete Assembly)                                                                                   |     |
| 5    | See Note    | NSS | Arc, Magnet (Note: Not Available - Purchase Complete Assembly)                                                                                      |     |
| 6    | See Note    | NSS | Screw (Note: Not Available for Purchase)                                                                                                            |     |
| 7    | See Note    | NSS | Pivot Arm, Cast (Note: Not Available - Purchase Complete Assembly)                                                                                  |     |
| 8    | See Note    | NSS | Shaft, Main (Note: Not Available - Purchase Complete Assembly)                                                                                      |     |
| 9    | See Note    | NSS | Bearing (Note: Not Available - Purchase Complete Assembly)                                                                                          |     |
| 10   | See Note    | NSS | Pin (Note: Not Available - Purchase Complete Assembly)                                                                                              |     |
| 11   | See Note    | NSS | Shim (Note: Not Available - Purchase Complete Assembly)                                                                                             |     |
| 12   | See Note    | NSS | Pin (Note: Not Available - Purchase Complete Assembly)                                                                                              |     |
| 13   | See Note    | NSS | Bearing (Note: Not Available - Purchase Complete Assembly)                                                                                          |     |
| 14   | See Note    | NSS | Dome, Centering (Note: Not Available - Purchase Complete Assembly)                                                                                  |     |
| 15   | 70004753    | 1   | Cap                                                                                                                                                 |     |
| 16   | 70004754    | 1   | Insert, Cap                                                                                                                                         |     |
| 17   | 70004755    | 3   | Pin                                                                                                                                                 |     |
| 18   | 70004756    | 2   | Washer                                                                                                                                              |     |
| 19   | 70004757    | 1   | Pin, Centering                                                                                                                                      |     |
| 20   | 70004758    | 1   | Spring                                                                                                                                              |     |
| 21   | 70004759    | 1   | Ring, Retaining                                                                                                                                     |     |
| 22   | 70004760    | 1   | E-Ring                                                                                                                                              |     |
| 23   | 70004761    | 1   | Can, Enclosure                                                                                                                                      |     |
| 24   | 70004762    | 1   | Boot                                                                                                                                                |     |
| 25   | 70004763    | 1   | Bezel                                                                                                                                               |     |
| 26   | See Note    | NSS | Screw (Note: Not Available for Purchase)                                                                                                            |     |
| 27   | See Note    | NSS | Base Mounting (Note: Not Available - Purchase Complete Assembly)                                                                                    |     |
| 28   | See Note    | NSS | Screw (Note: Not Available for Purchase)                                                                                                            |     |
| 29   | 70004764    | 4   | Screw                                                                                                                                               |     |
| 30   | 70004765    | 4   | Screw                                                                                                                                               |     |
| 31   | 70004766    | 1   | O-Ring                                                                                                                                              |     |
| 32   | See Note    | NSS | Plate (Note: Not Available - Purchase Complete Assembly)                                                                                            |     |
| 33   | See Note    | NSS | Harness (Note: Not Available - Purchase Complete Assembly)                                                                                          |     |
| 34   | 70004767    | 1   | Grommet, Rubber                                                                                                                                     |     |
| 35   | 70004768    | 1   | Housing                                                                                                                                             |     |
| 36   | 70004769    | 1   | Spring                                                                                                                                              |     |
| 37   | 70004770    | 1   | Stopper                                                                                                                                             |     |
| 38   | 70004771    | 1   | Spacer                                                                                                                                              |     |
| 39   | 70004772    | 1   | Washer                                                                                                                                              |     |
| 40   | 70004773    | 1   | Disc                                                                                                                                                |     |

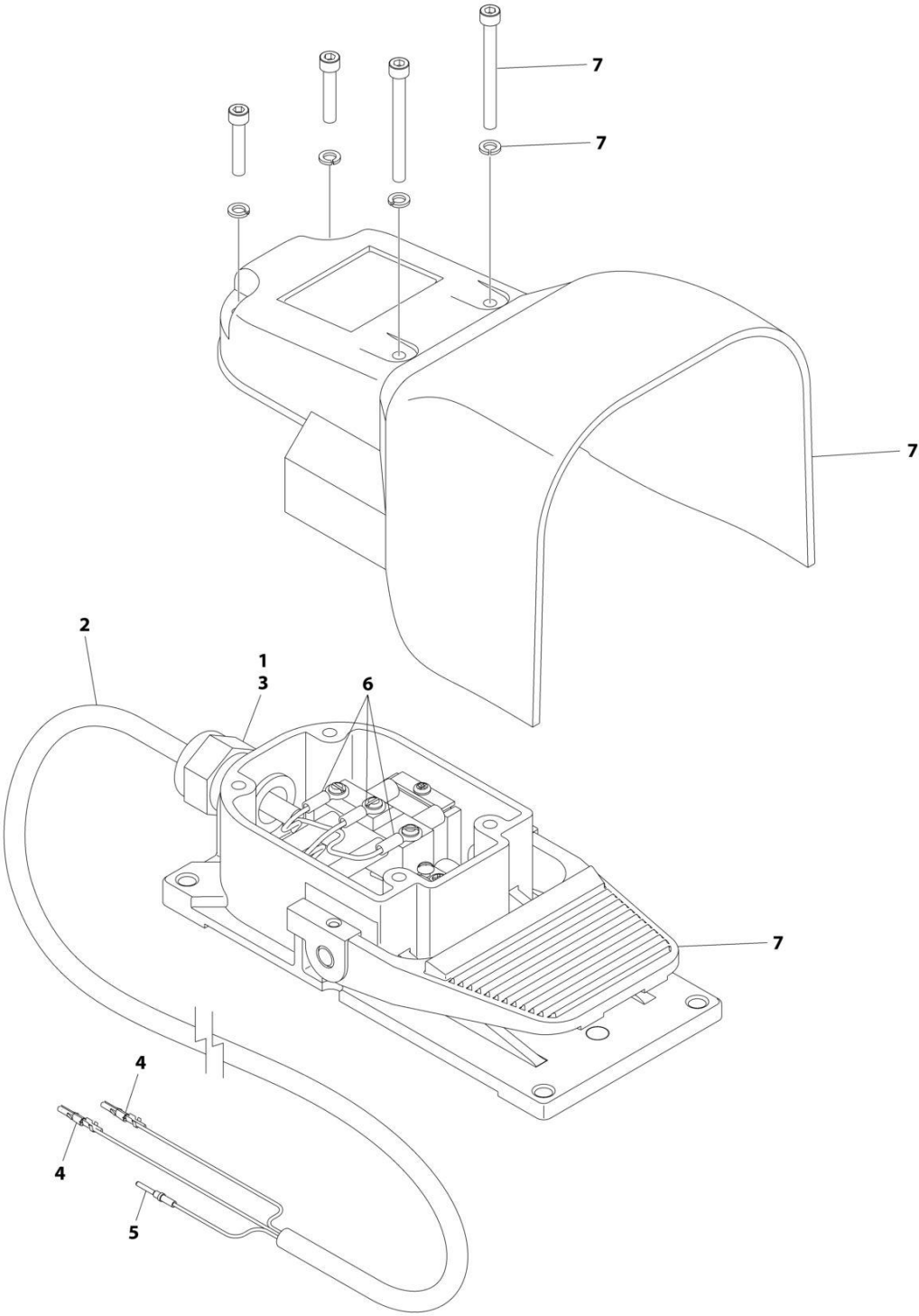
SECTION 5 - PLATFORM

| ITEM | PART NUMBER | QTY | DESCRIPTION            | REV |
|------|-------------|-----|------------------------|-----|
| 41   | 70004774    | 2   | Ring, Retaining        |     |
| 42   | 70004775    | 1   | Spring                 |     |
| 101  | 4460265     | 1   | Connector - 9 Position |     |
| 101  | 4460226     | 6   | Socket, Female         |     |



SECTION 5 - PLATFORM

FIGURE 5-21. FOOTSWITCH ASSEMBLY



ART\_1001117174

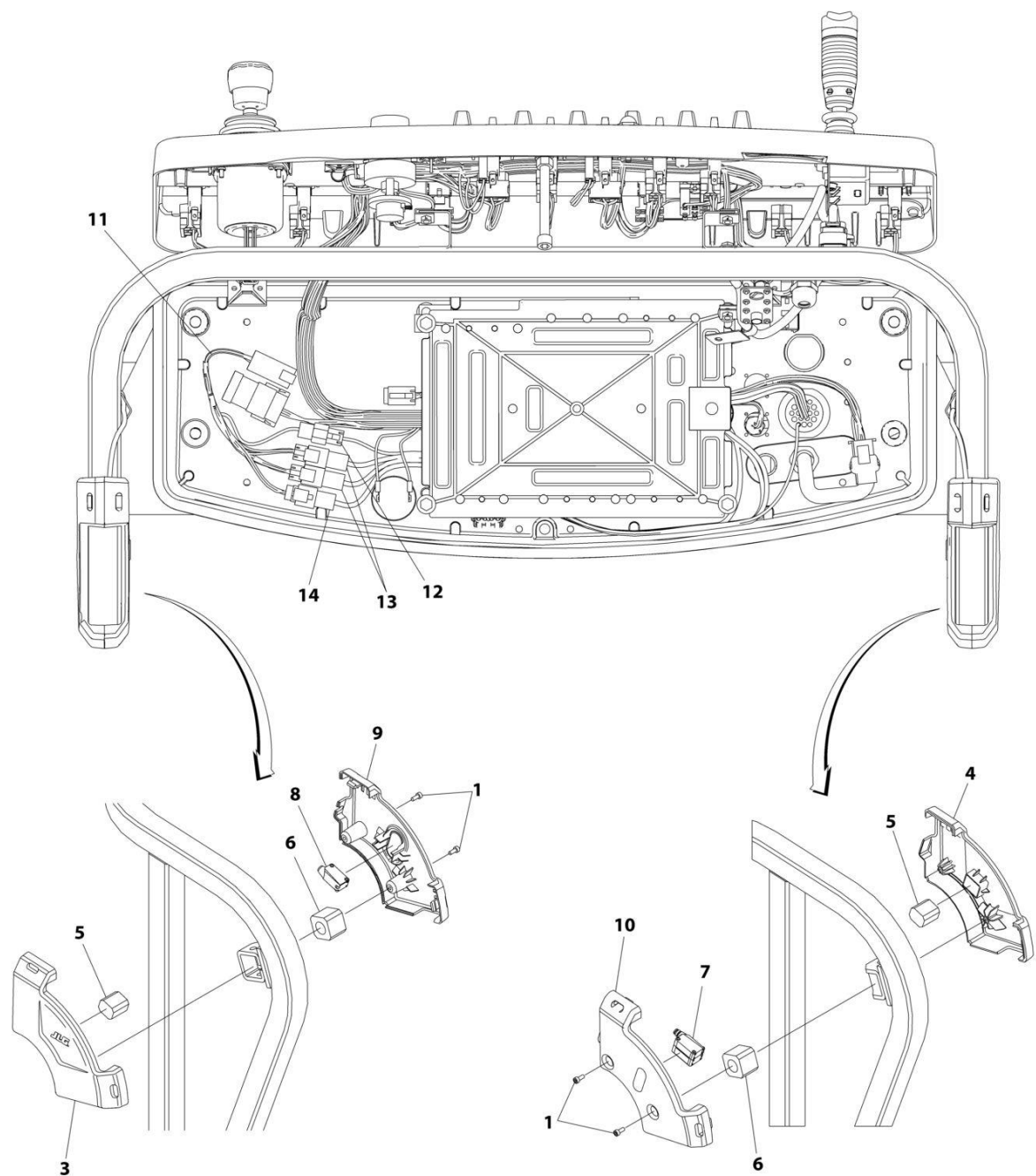
## SECTION 5 - PLATFORM

**FIGURE 5-21. FOOTSWITCH ASSEMBLY**

| ITEM | PART NUMBER | QTY             | DESCRIPTION              | REV |
|------|-------------|-----------------|--------------------------|-----|
|      | 1001117174  | Ref             | FOOTSWITCH ASSEMBLY      | C   |
| 1    | 0100020     | AR              | Sealant                  |     |
| 2    | 1060918     | 7.5 ft/<br>2.3m | Cable, Electrical - 18/3 |     |
| 3    | 4460071     | 1               | Connector, Strain Relief |     |
| 4    | 4460226     | 2               | Socket, Female           |     |
| 5    | 4460464     | 1               | Pin, Male                |     |
| 6    | 1001098122  | 3               | Terminal                 |     |
| 7    | 1001117172  | 1               | Footswitch               |     |
| 7    | 70002902    | 1               | Switch, 20Amp            |     |
| 7    | 70002903    | 1               | Gasket                   |     |
| 7    | 70002905    | 1               | Cover                    |     |
| 7    | 70002904    | 1               | Kit, Replacement Bolt    |     |

SECTION 5 - PLATFORM

FIGURE 5-22. SKYEYE INSTALLATION



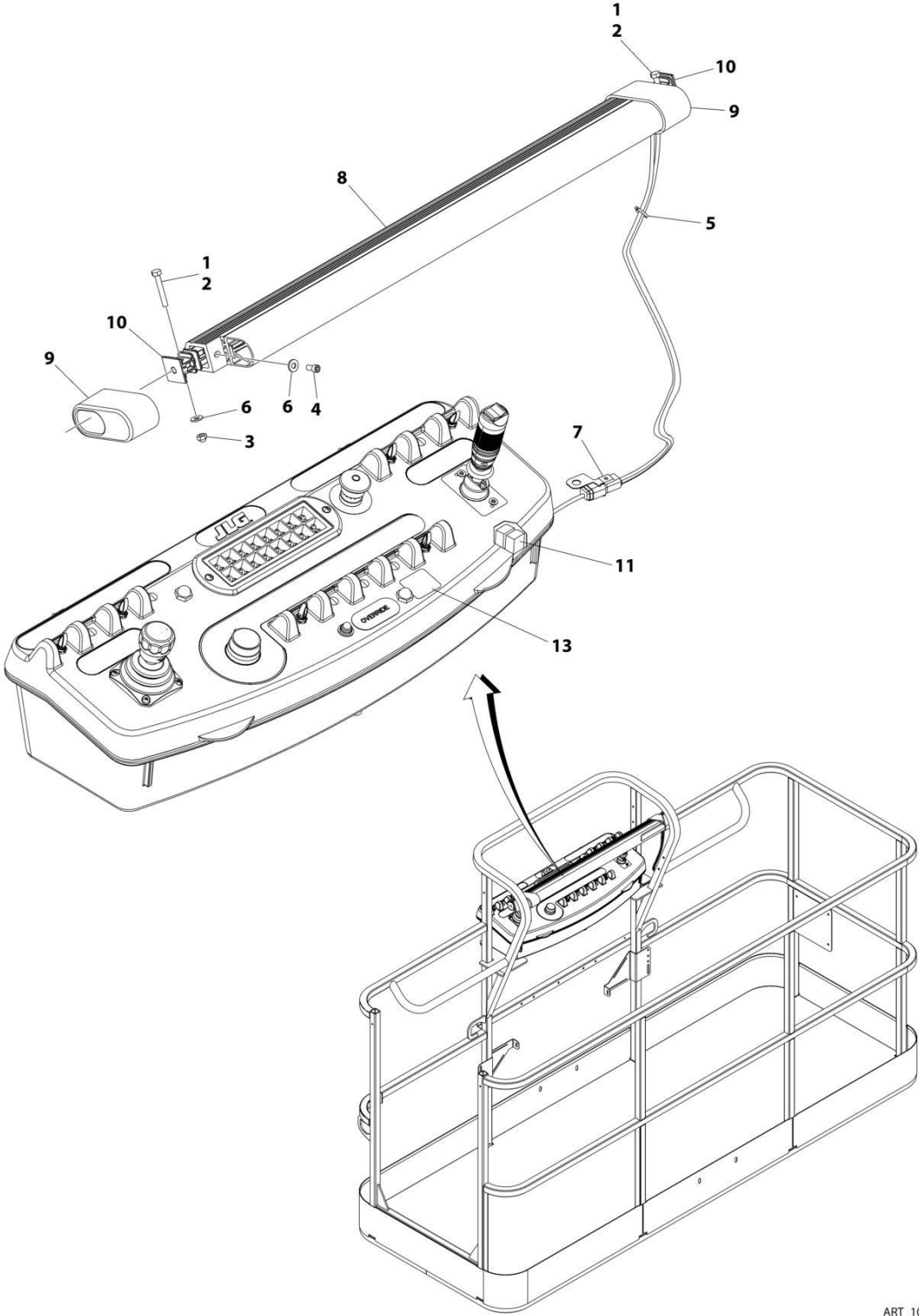
ART\_1001229341

FIGURE 5-22. SKYEYE INSTALLATION

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

SECTION 5 - PLATFORM

FIGURE 5-23. SKYGUARD BAR INSTALLATION



ART\_1001238495

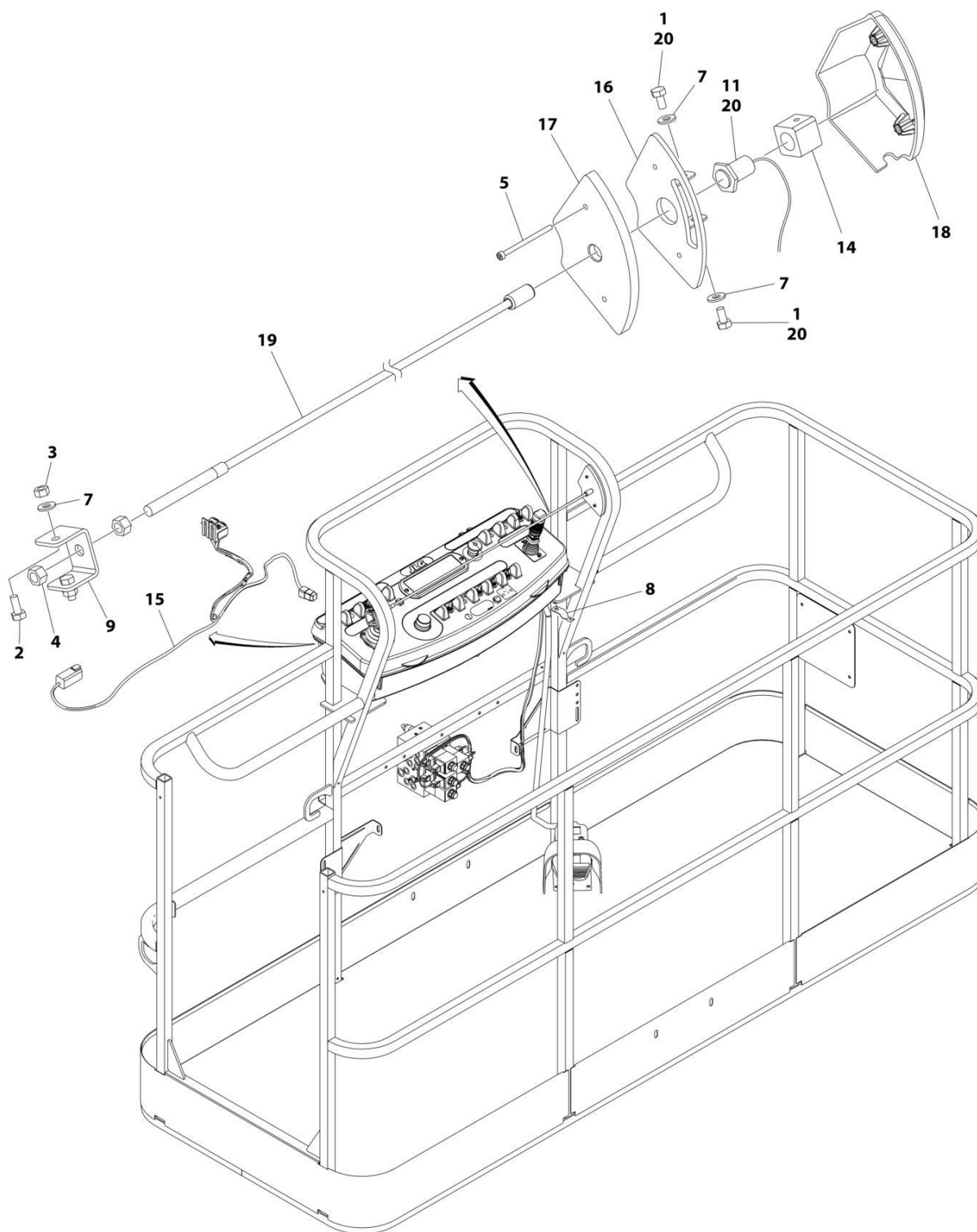


FIGURE 5-23. SKYGUARD BAR INSTALLATION

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

## SECTION 5 - PLATFORM

### FIGURE 5-24. SKYLINE INSTALLATION



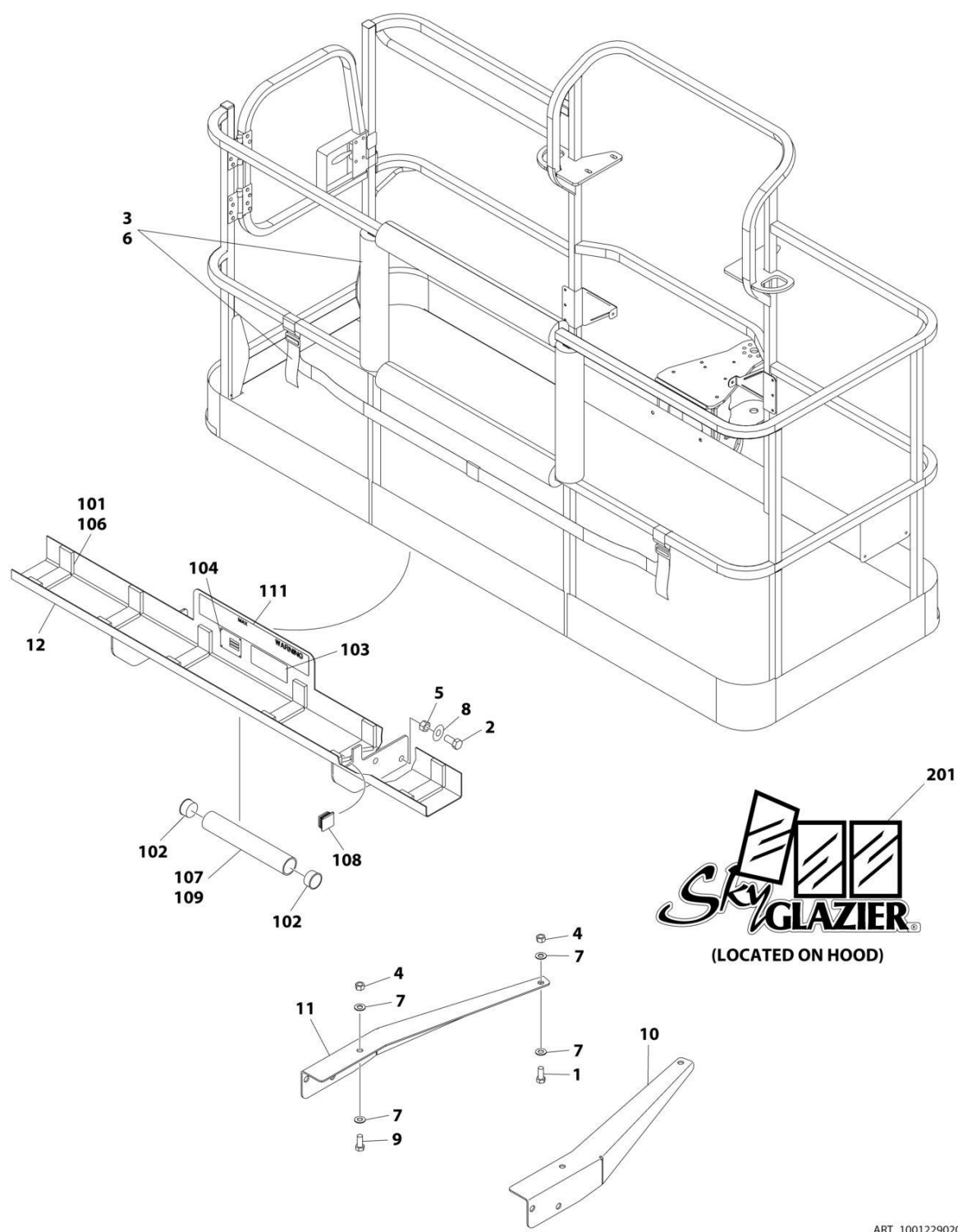
ART\_1001238559\_D

**FIGURE 5-24. SKYLINE INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                     | REV |
|------|-------------|-----|-----------------------------------------------------------------|-----|
|      | 1001238559  | Ref | SKYLINE INSTALLATION                                            | D   |
| 1    | 0641404     | 2   | Bolt 1/4 x 1/2                                                  |     |
| 2    | 0641405     | 2   | Bolt 1/4 x 5/8                                                  |     |
| 3    | 3311405     | 2   | Nut 1/4                                                         |     |
| 4    | 3311601     | 2   | Nut 3/8                                                         |     |
| 5    | 4031516     | 2   | Capscrew M4 x 60                                                |     |
| 6    | 4240033     | AR  | Tie-Strap (Not Shown)                                           |     |
| 7    | 4711400     | 4   | Washer 1/4                                                      |     |
| 8    | 1001120328  | 1   | Mount                                                           |     |
| 9    | 1001232642  | 1   | Bracket                                                         |     |
| 11   | 1001232667  | 1   | Sensor, Proximity                                               |     |
| 11   | 1001311034  | 1   | Sensor, Proximity                                               |     |
| 14   | 1001236552  | 1   | Block                                                           |     |
| 15   | 1001238418  | 1   | Harness, Skyline (See Separate Breakdown in ELECTRICAL Section) |     |
| 16   | 1001238472  | 1   | Mount                                                           |     |
| 17   | 1001254473  | 1   | Housing, LH                                                     |     |
| 18   | 1001241965  | 1   | Housing, RH                                                     |     |
| 19   | 1001254472  | 1   | Rod                                                             |     |
| 20   | 0100011     | AR  | Compound, Locking                                               |     |

SECTION 5 - PLATFORM

FIGURE 5-25. SKYGLAZIER INSTALLATION (ANSI, AUSTRALIAN AND CSA SPECS)



ART\_1001229020

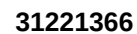
## SECTION 5 - PLATFORM

**FIGURE 5-25. SKYGLAZIER INSTALLATION (ANSI, AUSTRALIAN AND CSA SPECS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                  | REV |
|------|-------------|-----|--------------------------------------------------------------|-----|
|      | 1001229020  | Ref | SKYGLAZIER INSTALLATION                                      | A   |
| 1    | 0642012     | 2   | Bolt 5/8 x 1-1/2                                             |     |
| 2    | 0642212     | 4   | Bolt 3/4 x 1-1/2                                             |     |
| 3    | 2902212     | 1   | Bumpers and Strap Kit                                        |     |
| 3    | 0940102     | 1   | Bumper Only                                                  |     |
| 3    | 4240149     | 1   | Strap Only                                                   |     |
| 4    | 3312005     | 4   | Nut 5/8                                                      |     |
| 5    | 3312205     | 4   | Nut 3/4                                                      |     |
| 6    | 4420014     | AR  | Tape                                                         |     |
| 7    | 4712000     | 6   | Washer 5/8                                                   |     |
| 8    | 4712200     | 8   | Washer 3/4                                                   |     |
| 9    | 8310129     | 2   | Bolt 3/4 x 2-1/2                                             |     |
| 10   | 1001099366  | 1   | Support                                                      | B   |
| 11   | 1001099367  | 1   | Support                                                      |     |
| 12   | 1001229082  | 1   | Tray Assembly (See Items 101-111 for Breakdown)              |     |
|      | 1001229082  | Ref | TRAY ASSEMBLY                                                |     |
| 101  | 0100081     | AR  | Adhesive                                                     |     |
| 102  | 1120555     | 2   | Cap, Tube                                                    |     |
| 103  | 1701509     | 1   | Decal - Manual                                               |     |
| 104  | See Note    | NSS | Nameplate - Serial Number (Note: Not Available for Purchase) |     |
| 106  | 3340956     | 1   | Pad Kit                                                      |     |
| 107  | 3460334     | 1   | Tube                                                         |     |
| 108  | 3520071     | 2   | Plug                                                         |     |
| 109  | 4420066     | AR  | Tape, Double Sided                                           |     |
| 111  | 1001199035  | 2   | Decal - Glazier Capacity                                     | 4   |
|      | 0272418     | Ref | SKYGLAZIER DECAL INSTALLATION                                |     |
| 201  | 1705358     | 2   | Decal - SkyGlazier                                           |     |

## 336

**670SJ**



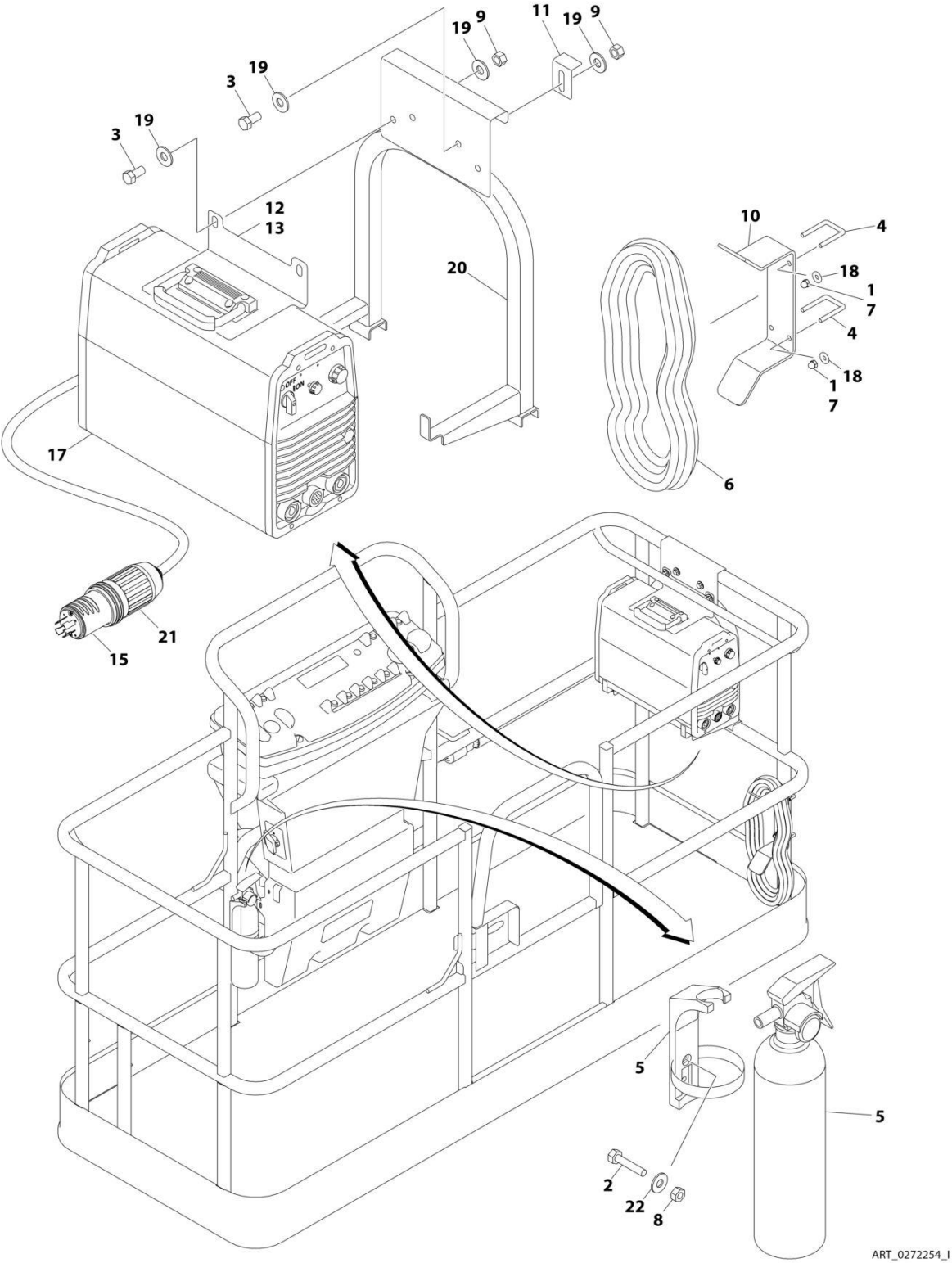
## SECTION 5 - PLATFORM

**FIGURE 5-26. SKYWELDER INSTALLATION (50HZ)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                              | REV |
|------|-------------|-----|----------------------------------------------------------|-----|
|      | 0272521     | Ref | SKYWELDER INSTALLATION                                   | F   |
| 1    | 0100011     | AR  | Compound, Locking                                        |     |
| 2    | 0630518     | 2   | Screw #10 x 3/4                                          |     |
| 3    | 0641606     | 4   | Bolt 3/8 x 3/4                                           |     |
| 4    | 1320302     | 2   | U-Clamp                                                  |     |
| 5    | 2030010     | 1   | Extinguisher, Fire                                       |     |
| 6    | 2902217     | 1   | Weld Leads Kit                                           |     |
| 7    | 3300151     | 4   | Nut 1/4                                                  |     |
| 8    | 3311005     | 2   | Nut #10                                                  |     |
| 9    | 3311605     | 4   | Nut 3/8                                                  |     |
| 10   | 3573400     | 1   | Bracket                                                  |     |
| 11   | 3577121     | 2   | Angle                                                    |     |
| 12   | 3573642     | 1   | Plate                                                    |     |
| 13   | 4240099     | AR  | Tie-Strap (Not Shown)                                    |     |
| 14   | 4420037     | AR  | Tape                                                     |     |
| 15   | 4530028     | 1   | Welder Assembly (See Separate Breakdown in this Section) |     |
| 16   | 4751400     | 4   | Washer 1/4                                               |     |
| 17   | 4751600     | 8   | Washer 3/8                                               |     |
| 18   | 4846627     | 1   | Support                                                  |     |
| 19   | 4751000     | 2   | Washer #10                                               |     |

SECTION 5 - PLATFORM

FIGURE 5-27. SKYWELDER INSTALLATION (60HZ)



ART\_0272254\_I



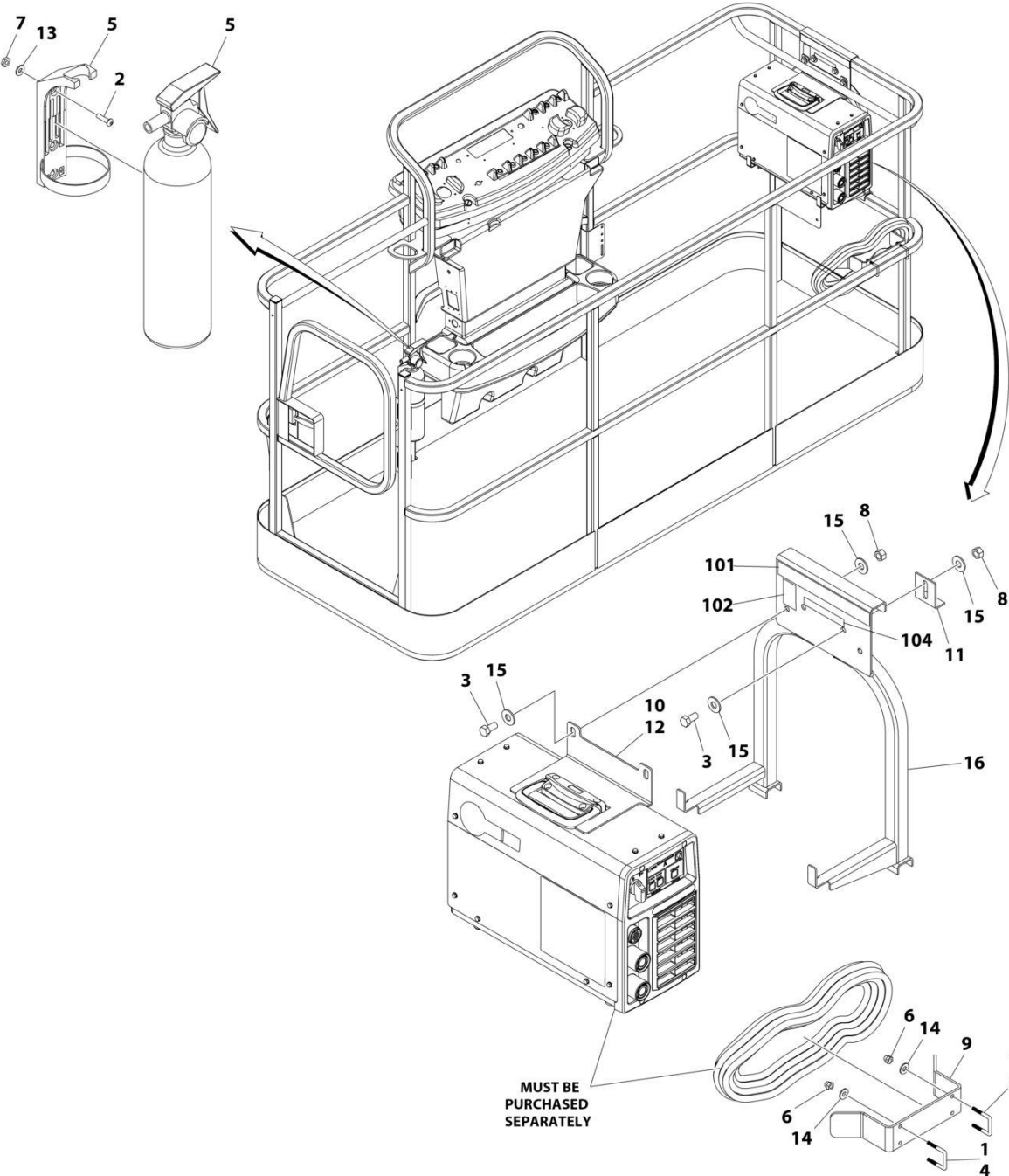
## SECTION 5 - PLATFORM

**FIGURE 5-27. SKYWELDER INSTALLATION (60HZ)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                              | REV |
|------|-------------|-----|----------------------------------------------------------|-----|
|      | 0272254     | Ref | SKYWELDER INSTALLATION                                   | I   |
| 1    | 0100011     | AR  | Compound, Locking                                        |     |
| 2    | 0630518     | 2   | Screw #10 x 3/4                                          |     |
| 3    | 0641606     | 4   | Bolt 3/8 x 3/4                                           |     |
| 4    | 1320302     | 2   | U-Clamp                                                  |     |
| 5    | 2030010     | 1   | Extinguisher, Fire                                       |     |
| 6    | 2902217     | 1   | Weld Leads Kit                                           |     |
| 7    | 3300151     | 4   | Nut 1/4                                                  |     |
| 8    | 3311005     | 2   | Nut #10                                                  |     |
| 9    | 3311605     | 4   | Nut 3/8                                                  |     |
| 10   | 3573400     | 1   | Bracket                                                  |     |
| 11   | 3577121     | 2   | Angle                                                    |     |
| 12   | 3573642     | 1   | Plate                                                    |     |
| 13   | 4420037     | AR  | Tape                                                     |     |
| 14   | 4240099     | AR  | Tie-Strap (Not Shown)                                    |     |
| 15   | 4460962     | 1   | Plug, Male Twistlock                                     |     |
| 17   | 4530028     | 1   | Welder Assembly (See Separate Breakdown in this Section) |     |
| 18   | 4751400     | 4   | Washer 1/4                                               |     |
| 19   | 4751600     | 8   | Washer 3/8                                               |     |
| 20   | 4846627     | 1   | Support                                                  |     |
| 21   | 1671093     | 1   | Cover, Plug                                              |     |
| 22   | 4751000     | 2   | Washer #10                                               |     |

SECTION 5 - PLATFORM

FIGURE 5-28. SKYWELDER PREP PACKAGE (60HZ)



ART\_1001128527\_C

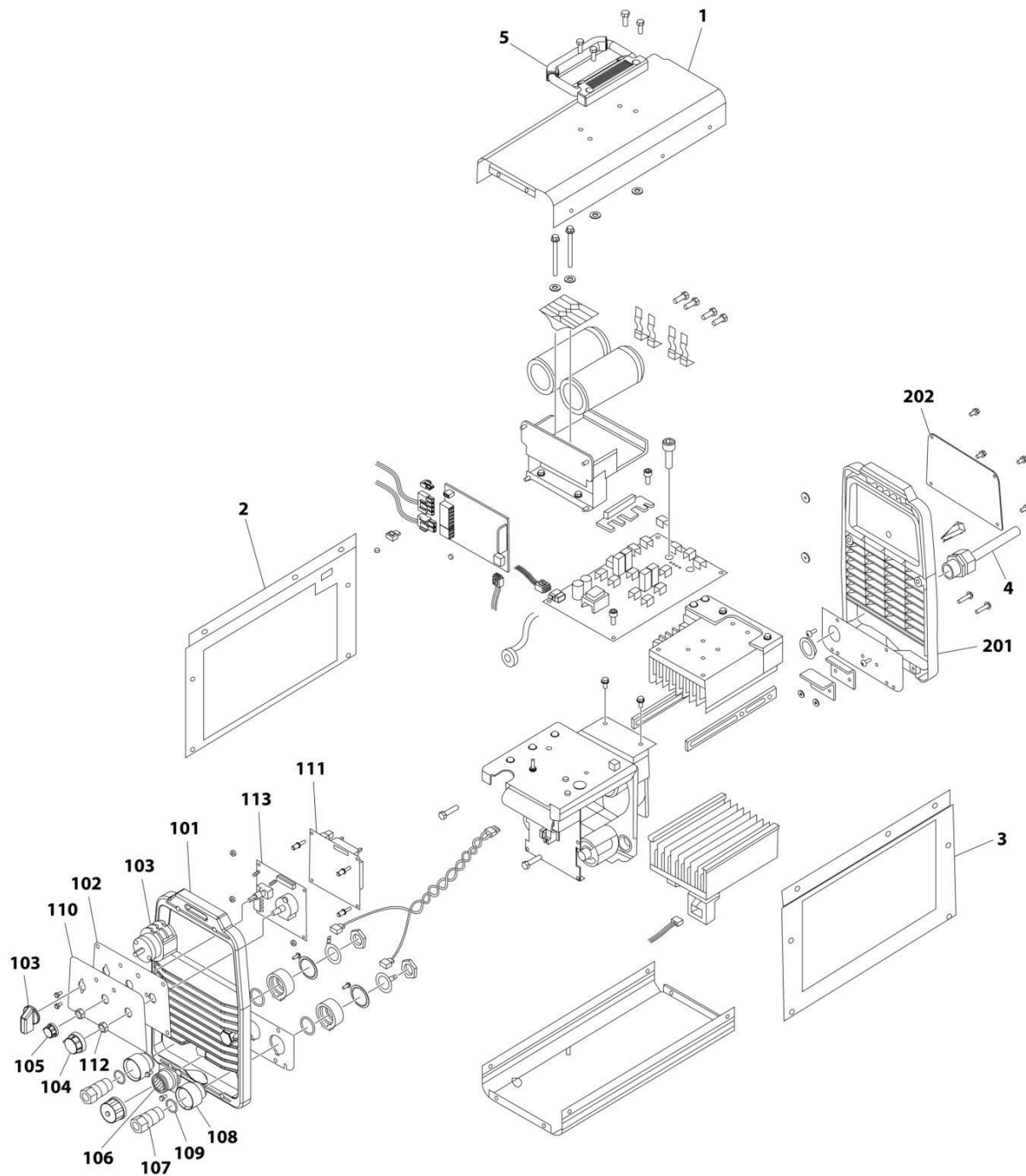
## SECTION 5 - PLATFORM

**FIGURE 5-28. SKYWELDER PREP PACKAGE (60HZ)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                  | REV |
|------|-------------|-----|------------------------------|-----|
|      | 1001128527  | Ref | SKYWELDER PREP PACKAGE       | C   |
| 1    | 0100011     | AR  | Compound, Locking            |     |
| 2    | 0630518     | 2   | Screw #10 x 3/4              |     |
| 3    | 0641606     | 4   | Bolt 3/8 x 3/4               |     |
| 4    | 1320302     | 2   | U-Clamp                      |     |
| 5    | 2030010     | 1   | Extinguisher, Fire           |     |
| 6    | 3300151     | 4   | Nut 1/4                      |     |
| 7    | 3311005     | 2   | Nut #10                      |     |
| 8    | 3311605     | 4   | Nut 3/8                      |     |
| 9    | 3573400     | 1   | Bracket                      |     |
| 10   | 1001269573  | 1   | Plate                        |     |
| 11   | 3577121     | 2   | Angle                        |     |
| 12   | 4420037     | AR  | Tape                         |     |
| 13   | 4751000     | 2   | Washer #10                   |     |
| 14   | 4751400     | 4   | Washer 1/4                   |     |
| 15   | 4751600     | 8   | Washer 3/8                   |     |
| 16   | 1001269322  | 1   | Support                      |     |
|      | 1001128556  | Ref | SKYWELDER DECAL INSTALLATION | D   |
| 101  | 1702868     | 1   | Decal - No Hands             |     |
| 102  | 1705305     | 1   | Decal - Weld Lead            |     |
| 104  | 1001228988  | 1   | Decal - Weight               |     |

SECTION 5 - PLATFORM

FIGURE 5-29. WELDER ASSEMBLY



ART\_4530028

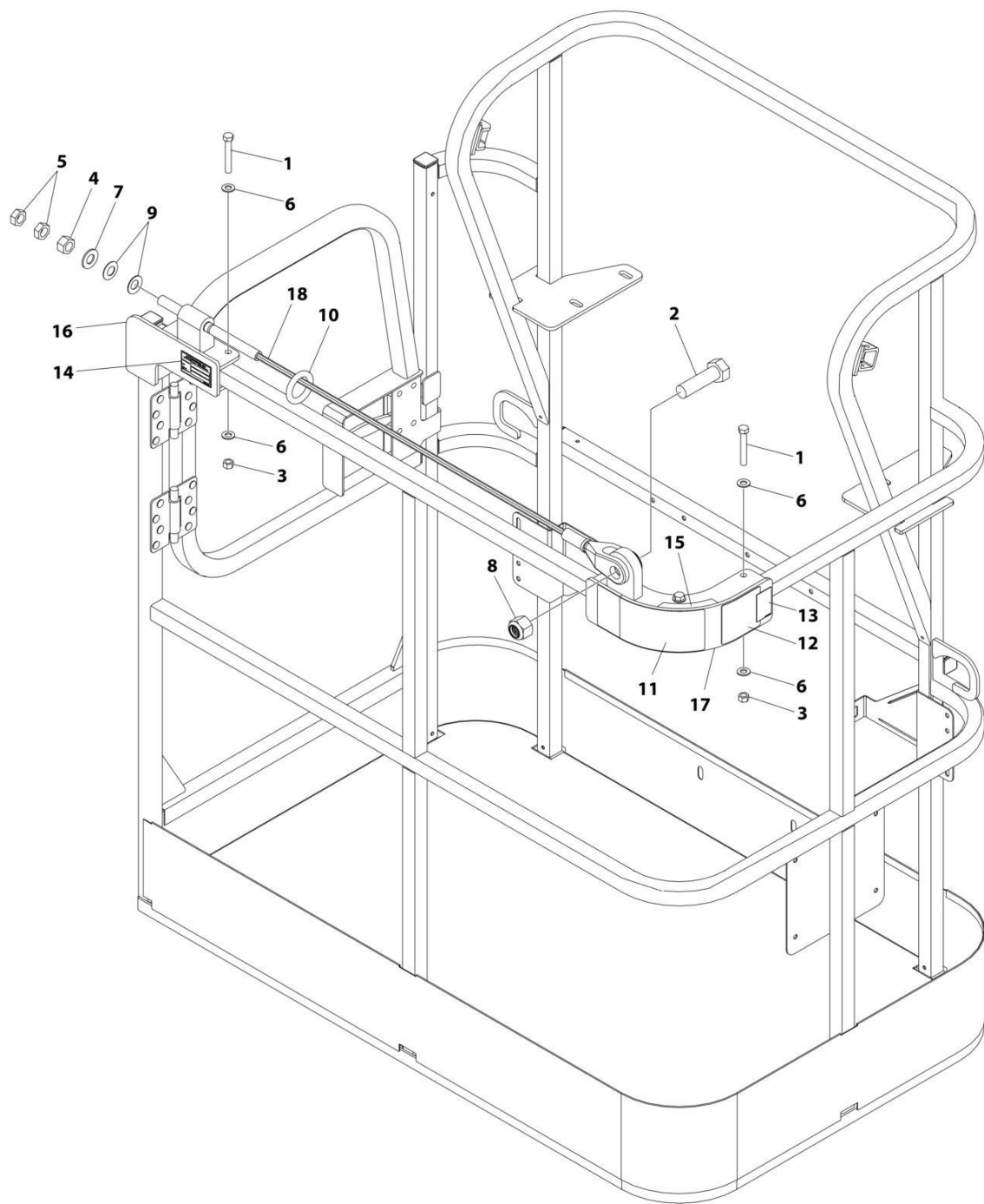
## SECTION 5 - PLATFORM

**FIGURE 5-29. WELDER ASSEMBLY**

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

SECTION 5 - PLATFORM

FIGURE 5-30. FALL ARREST INSTALLATION (BOLT-ON) (4FT/1.22M PLATFORM)



ART\_1001261338

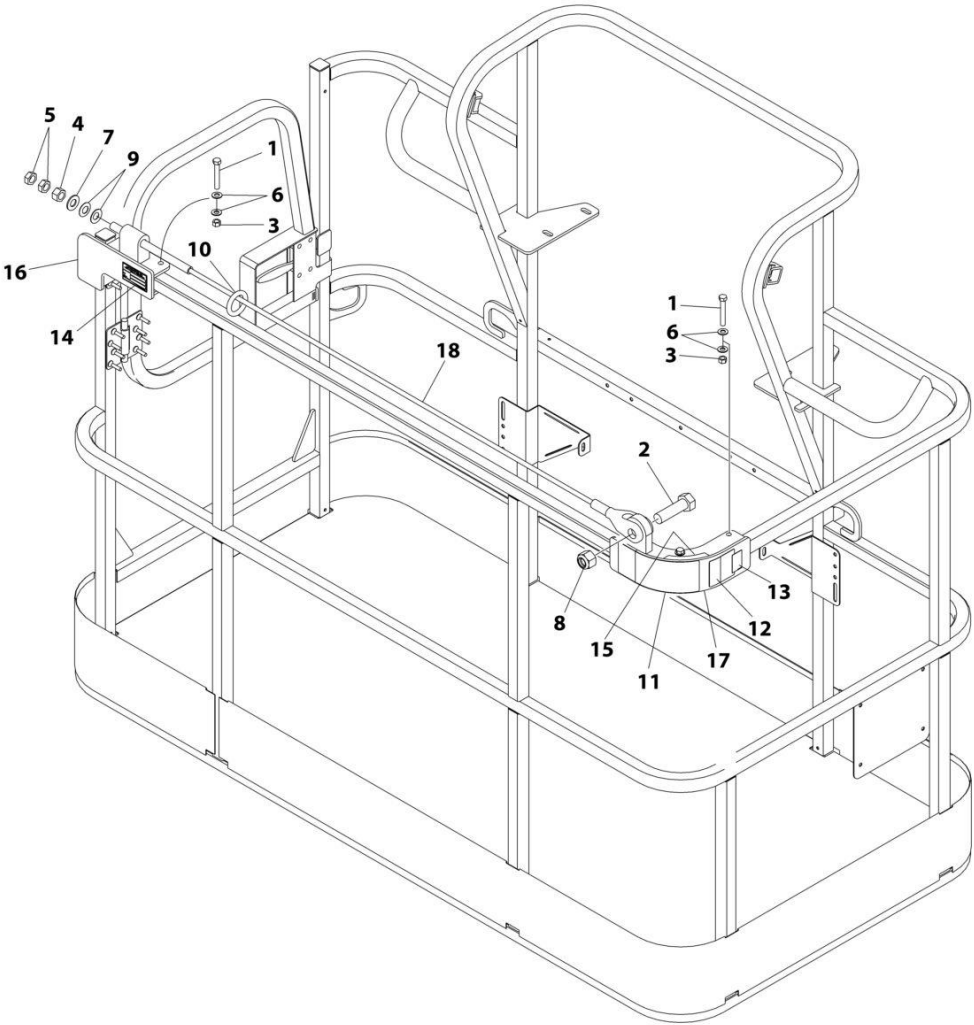
## SECTION 5 - PLATFORM

**FIGURE 5-30. FALL ARREST INSTALLATION (BOLT-ON) (4FT/1.22M PLATFORM)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                | REV |
|------|-------------|-----|----------------------------------------------------------------------------|-----|
|      | 1001261338  | Ref | FALL ARREST INSTALLATION                                                   | A   |
| 1    | 0681620     | 6   | Bolt 3/8 x 2-1/2                                                           |     |
| 2    | 0682424     | 1   | Bolt 7/8 x 3                                                               |     |
| 3    | 3271605     | 6   | Nut 3/8                                                                    |     |
| 4    | 3272001     | 1   | Nut 5/8                                                                    |     |
| 5    | 3312002     | 2   | Nut 5/8                                                                    |     |
| 6    | 4711600     | 12  | Washer 3/8                                                                 |     |
| 7    | 4712000     | 1   | Washer 5/8                                                                 |     |
| 8    | 88521214    | 1   | Nut 7/8                                                                    |     |
| 9    | 1001236891  | 2   | Washer                                                                     |     |
| 10   | 1001236895  | 1   | Ring                                                                       |     |
| 11   | 1001238263  | 1   | Decal - Warning Falling Hazard                                             |     |
| 12   | 1001248140  | 1   | Decal - Bolt Fall Arrest Re-Cert                                           |     |
| 13   | 1001248141  | 1   | Decal - Incrption                                                          |     |
| 14   | See Note    | NSS | Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase) |     |
| 15   | 1001252629  | 1   | Decal - Weight                                                             |     |
| 16   | 1001257271  | 1   | Bracket (RH)                                                               |     |
| 17   | 1001257274  | 1   | Bracket (LH)                                                               |     |
| 18   | 1001261335  | 1   | Rope                                                                       |     |

SECTION 5 - PLATFORM

FIGURE 5-31. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (5FT/1.52M PLATFORM)



ART\_1001257275



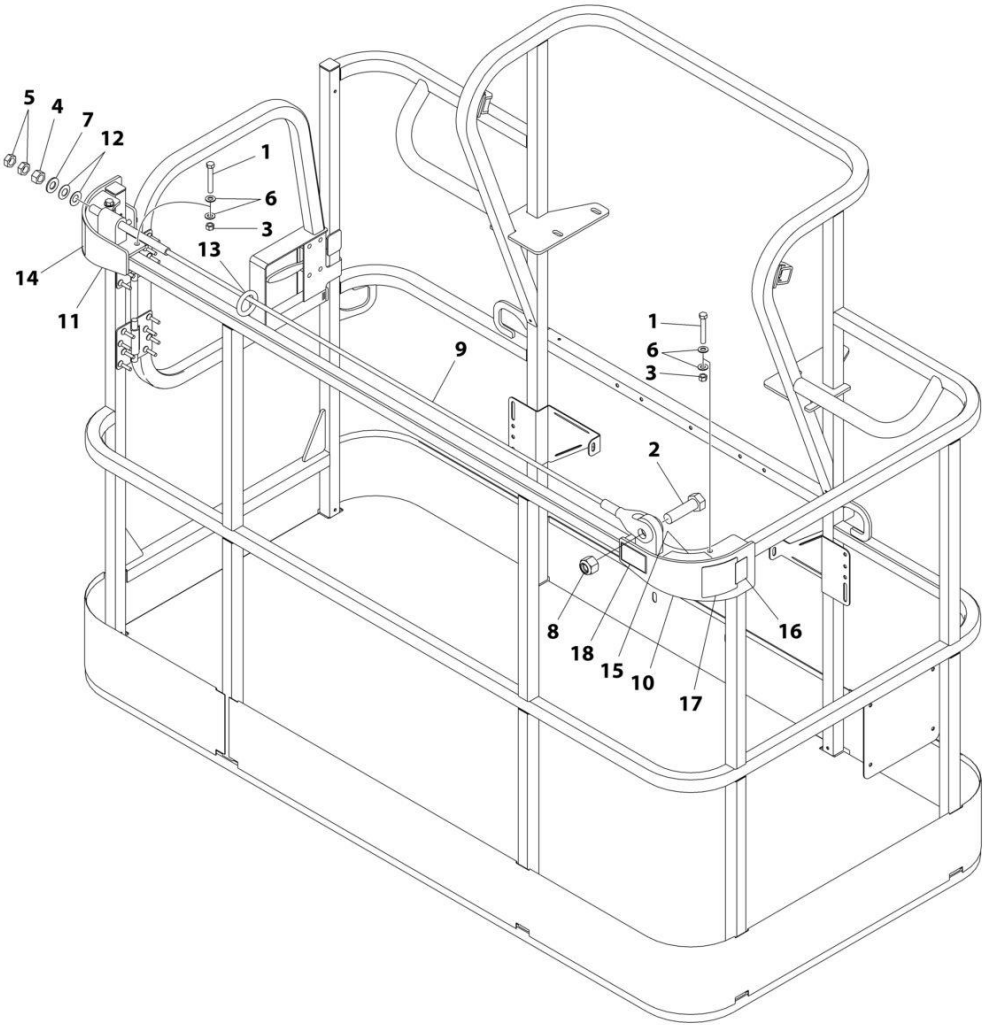
## SECTION 5 - PLATFORM

**FIGURE 5-31. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (5FT/1.52M PLATFORM)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                | REV |
|------|-------------|-----|----------------------------------------------------------------------------|-----|
|      | 1001257275  | Ref | FALL ARREST INSTALLATION (BOLT - ON) 6FT/1.82M PLATFORM                    | A   |
| 1    | 0681620     | 6   | Bolt 3/8 x 2-1/2                                                           |     |
| 2    | 0682424     | 1   | Bolt 7/8 x 3                                                               |     |
| 3    | 3271605     | 6   | Nut 3/8                                                                    |     |
| 4    | 3272001     | 1   | Nut 5/8                                                                    |     |
| 5    | 3312002     | 2   | Nut 5/8                                                                    |     |
| 6    | 4711600     | 12  | Washer 3/8                                                                 |     |
| 7    | 4712000     | 1   | Washer 5/8                                                                 |     |
| 8    | 88521214    | 1   | Nut 7/8                                                                    |     |
| 9    | 1001236891  | 2   | Washer                                                                     |     |
| 10   | 1001236895  | 1   | Ring                                                                       |     |
| 11   | 1001238263  | 1   | Decal - Warning Falling Hazard                                             |     |
| 12   | 1001248140  | 1   | Decal - Bolt Fall Arrest Re-Cert                                           |     |
| 13   | 1001248141  | 1   | Decal - Incrption                                                          |     |
| 14   | See Note    | NSS | Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase) |     |
| 15   | 1001252629  | 1   | Decal - Weight                                                             |     |
| 16   | 1001257271  | 1   | Bracket (RH)                                                               |     |
| 17   | 1001257274  | 1   | Bracket (LH)                                                               |     |
| 18   | 1001258005  | 1   | Rope                                                                       |     |

SECTION 5 - PLATFORM

FIGURE 5-32. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M PLATFORM)



ART\_1001236747

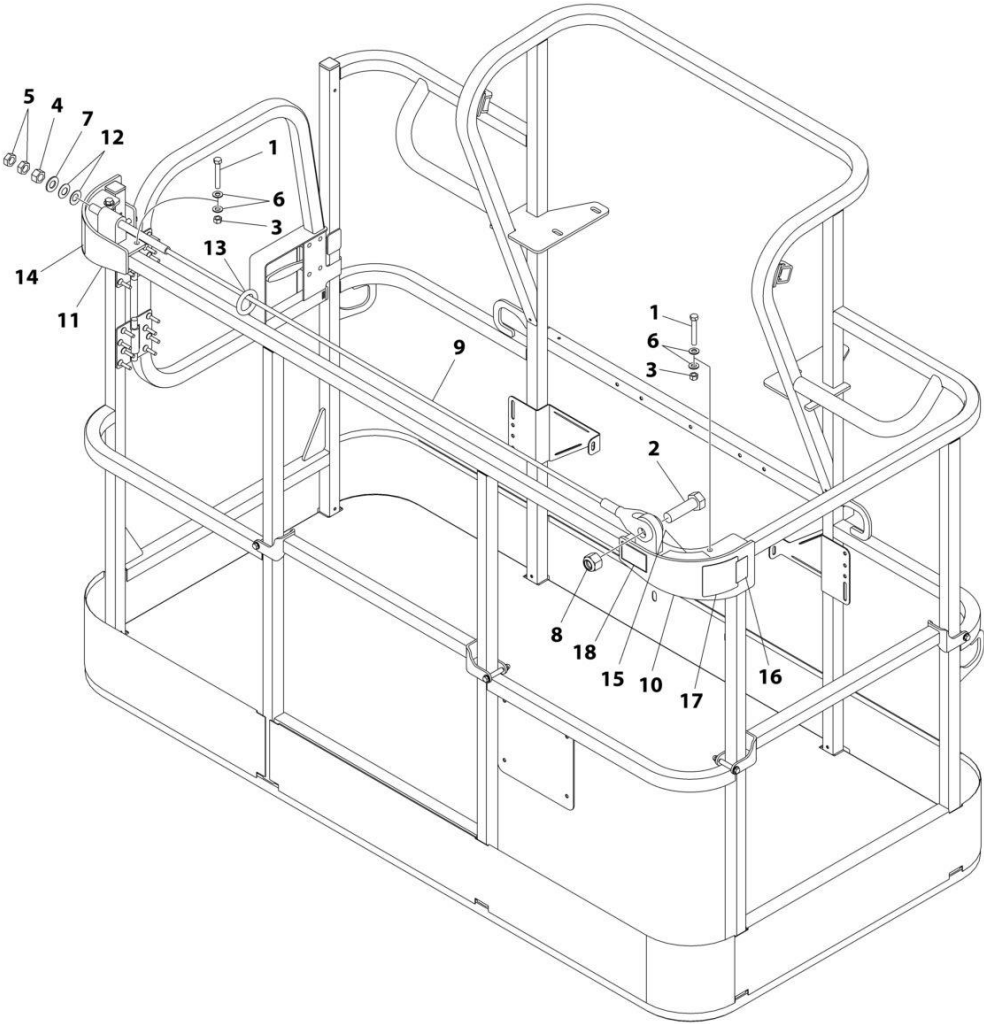
## SECTION 5 - PLATFORM

**FIGURE 5-32. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M PLATFORM)**

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

SECTION 5 - PLATFORM

FIGURE 5-33. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M TRI-ENTRY PLATFORM)



ART\_1001238463

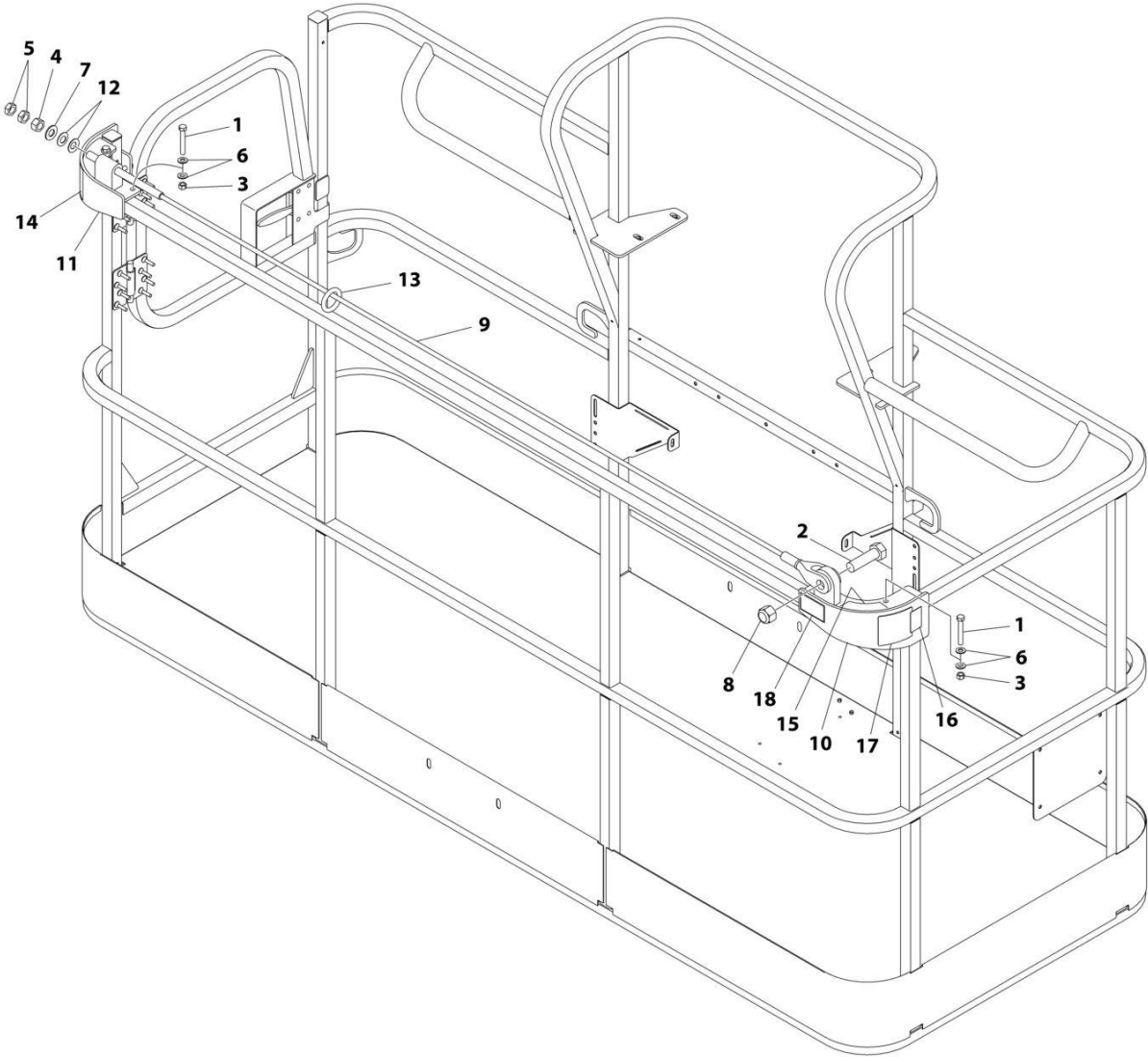
## SECTION 5 - PLATFORM

**FIGURE 5-33. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M TRI-ENTRY PLATFORM)**

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

SECTION 5 - PLATFORM

FIGURE 5-34. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (8FT/2.4M PLATFORM)



ART\_1001236746

## SECTION 5 - PLATFORM

**FIGURE 5-34. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (8FT/2.4M PLATFORM)**

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

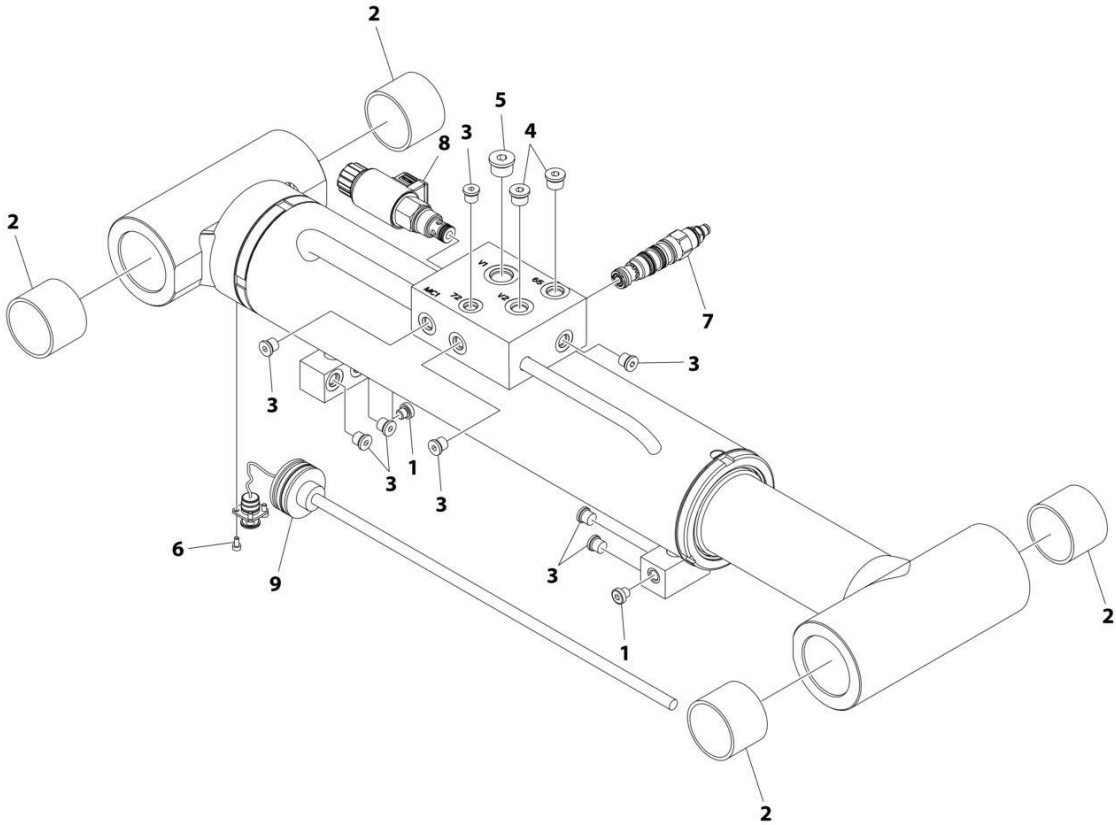




**SECTION 6 - CYLINDER**

SECTION 6 - CYLINDER

FIGURE 6-1. LEVEL CYLINDER ASSEMBLY - CHASSIS



ART\_1001272273

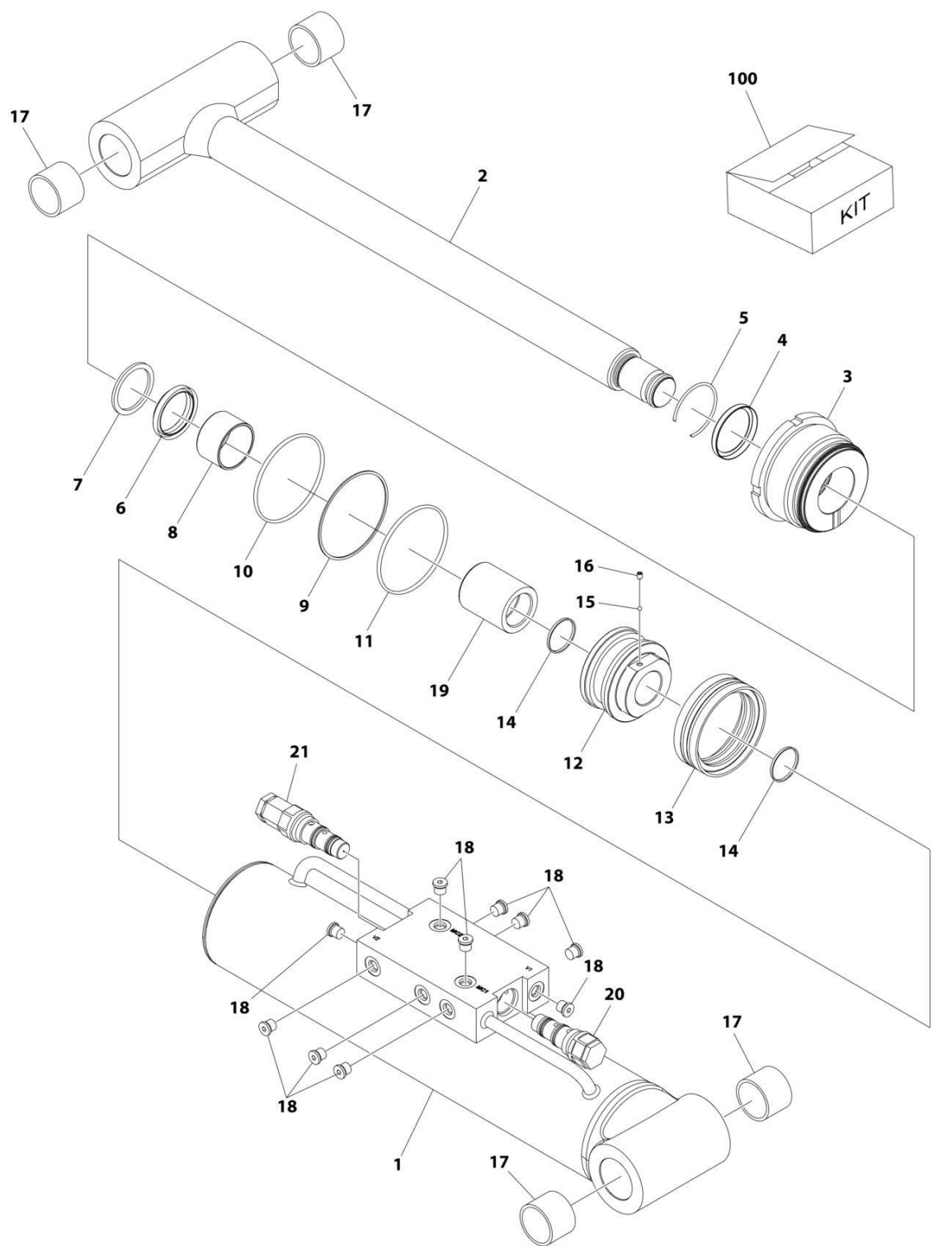
## SECTION 6 - CYLINDER

**FIGURE 6-1. LEVEL CYLINDER ASSEMBLY - CHASSIS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001272273  | Ref | LEVEL CYLINDER ASSEMBLY - CHASSIS                                                                                               | C   |
|      |             | Ref | Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts. |     |
|      |             | Ref | Note: No Other Service Parts Available at Time of Printing.                                                                     |     |
| 1    | 300163      | 2   | Plug 1/8                                                                                                                        |     |
| 2    | 0961950     | 4   | Bushing                                                                                                                         |     |
| 3    | 2220883     | 8   | Plug #4                                                                                                                         |     |
| 4    | 2220885     | 2   | Plug #6                                                                                                                         |     |
| 5    | 2220886     | 1   | Plug #8                                                                                                                         |     |
| 6    | 4031504     | 4   | Capscrew M4 x 8                                                                                                                 |     |
| 7    | 1001239521  | 1   | Valve, Counterbalance Cartridge                                                                                                 |     |
| 7    | 70006099    | 1   | Seal Kit - 1001239521 Valve                                                                                                     |     |
| 8    | 1001239598  | 1   | Valve, Solenoid Cartridge                                                                                                       |     |
| 8    | 70007317    | 1   | Cartridge Less Coil                                                                                                             |     |
| 8    | 7024503     | 1   | Seal Kit - 1001239598 & 70007317 Valve                                                                                          |     |
| 8    | 70007318    | 1   | Coil (Includes Nut)                                                                                                             |     |
| 9    | 1001239956  | 1   | Transducer                                                                                                                      |     |

SECTION 6 - CYLINDER

FIGURE 6-2. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE



ART\_1001184957

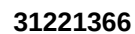
## SECTION 6 - CYLINDER

**FIGURE 6-2. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001184957  | Ref | LEVEL CYLINDER ASSEMBLY                                                                                                         | D   |
|      |             | Ref | Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts. |     |
| 1    | 70005698    | 1   | Barrel                                                                                                                          |     |
| 2    | 70005699    | 1   | Rod                                                                                                                             |     |
| 3    | 70005700    | 1   | Head                                                                                                                            |     |
| 4    | See Note    | NSS | Wiper (Note: Use Item 100)                                                                                                      |     |
| 5    | 70002410    | 1   | Ring, Retaining                                                                                                                 |     |
| 6    | See Note    | NSS | Seal, Rod (Note: Use Item 100)                                                                                                  |     |
| 7    | See Note    | NSS | Ring, Back-up (Note: Use Item 100)                                                                                              |     |
| 8    | 70004237    | 1   | Bearing                                                                                                                         |     |
| 9    | See Note    | NSS | O-Ring (Note: Use Item 100)                                                                                                     |     |
| 10   | See Note    | NSS | Ring, Back-up (Note: Use Item 100)                                                                                              |     |
| 11   | See Note    | NSS | O-Ring (Note: Use Item 100)                                                                                                     |     |
| 12   | 70005701    | 1   | Piston                                                                                                                          |     |
| 13   | See Note    | NSS | Seal, Piston (Note: Use Item 100)                                                                                               |     |
| 14   | See Note    | NSS | O-Ring (Note: Use Item 100)                                                                                                     |     |
| 15   | 70022564    | 1   | Ball                                                                                                                            |     |
| 16   | 70023369    | 1   | Setscrew                                                                                                                        |     |
| 17   | 0961948     | 4   | Bearing                                                                                                                         |     |
| 18   | 2220883     | 10  | Plug                                                                                                                            |     |
| 19   | 70005702    | 1   | Spacer                                                                                                                          |     |
| 20   | 4640999     | 1   | Valve, Counterbalance                                                                                                           |     |
| 20   | 2900792     | 1   | Seal Kit - 4640999 Valve                                                                                                        |     |
| 21   | 4640932     | 1   | Valve, Counterbalance                                                                                                           |     |
| 21   | 7011112     | 1   | Seal Kit - 4640932 Valve                                                                                                        |     |
| 100  | 70005703    | 1   | Seal Kit - 1001184957 Cylinder (Include Items 4, 6, 7, 9, 10, 11, 13 & 14)                                                      |     |

## 360

**670SJ**



ART\_1001272076

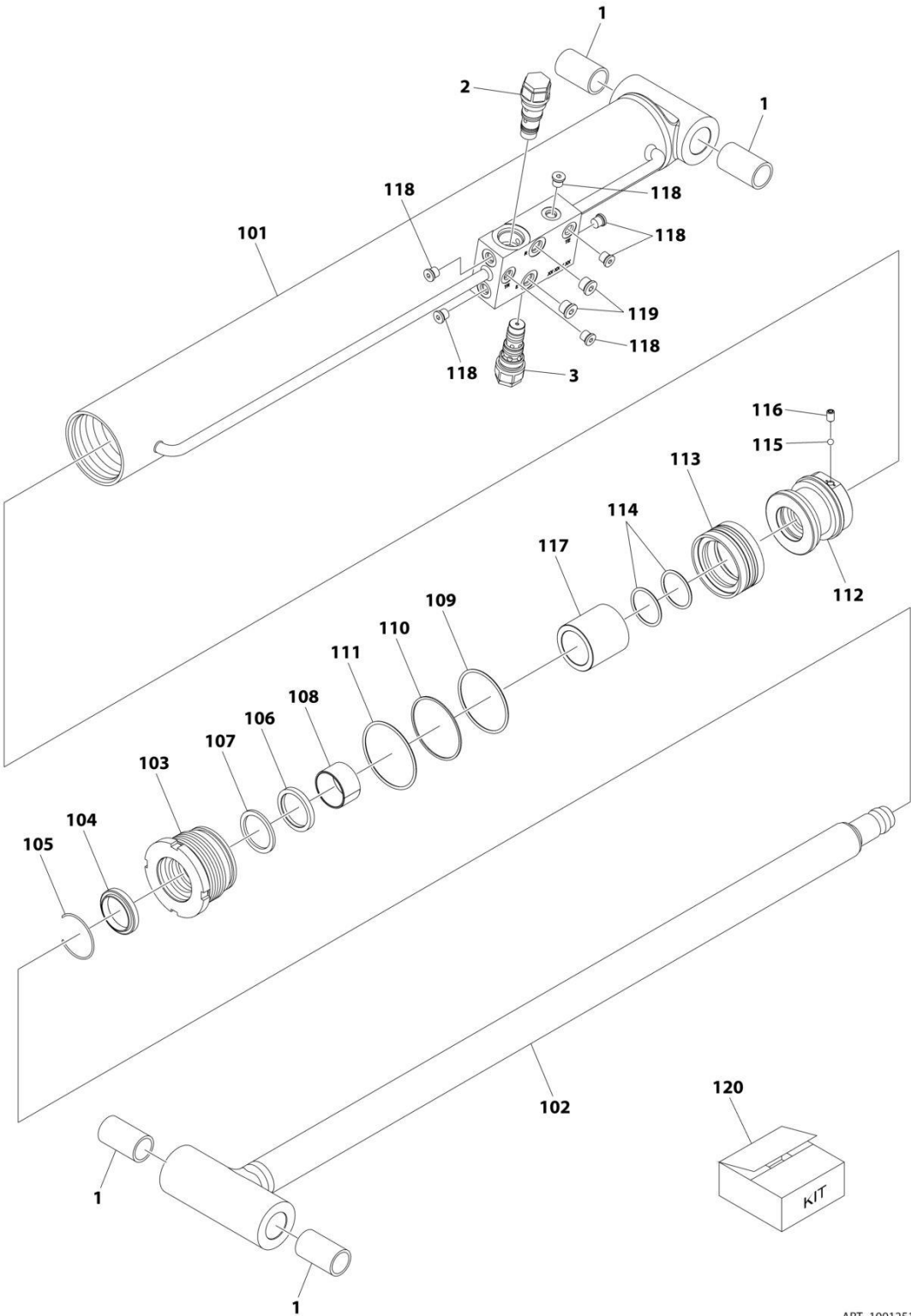
## SECTION 6 - CYLINDER

**FIGURE 6-3. LIFT CYLINDER ASSEMBLY - BOOM**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001272076  | Ref | LIFT CYLINDER ASSEMBLY                                                                                                          | B   |
|      |             | Ref | Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts. |     |
| 1    | See Note    | NSS | Barrel (Note: Use PN 1001272076)                                                                                                |     |
| 2    | See Note    | NSS | Rod (Note: Use PN 1001272076)                                                                                                   |     |
| 4    | 70005572    | 1   | Head                                                                                                                            |     |
| 5    | 70025580    | 1   | Piston                                                                                                                          |     |
| 14   | 70026164    | 1   | Lock                                                                                                                            |     |
| 16   | 70000699    | 1   | Ring, Retaining                                                                                                                 |     |
| 21   | 70025582    | 1   | Set Screw M10 x 20                                                                                                              |     |
| 23   | 70007838    | 2   | Bushing                                                                                                                         |     |
| 24   | See Note    | NSS | Valve Assembly (Note: Complete Assembly Not Available - Purchase Individual Components) (See Items 320-410)                     |     |
| 32   | 70006260    | 1   | Spacer                                                                                                                          |     |
| 33   | 70005575    | 1   | Ring, Retaining                                                                                                                 |     |
| 38   | 70007334    | 4   | Capscrew M8 x 55                                                                                                                |     |
| 50   | 70005563    | 1   | Seal Kit - 1001272076 Cylinder (Includes Items 100-200)                                                                         |     |
| 100  | See Note    | NSS | O-Ring (Note: Use Item 50)                                                                                                      |     |
| 110  | See Note    | NSS | Ring, Back-Up (Note: Use Item 50)                                                                                               |     |
| 120  | See Note    | NSS | Ring, Wear (Note: Use Item 50)                                                                                                  |     |
| 130  | See Note    | NSS | Seal (Note: Use Item 50)                                                                                                        |     |
| 135  | See Note    | NSS | Ring, Wear (Note: Use Item 50)                                                                                                  |     |
| 150  | See Note    | NSS | Wiper (Note: Use Item 50)                                                                                                       |     |
| 175  | See Note    | NSS | O-Ring (Note: Use Item 50)                                                                                                      |     |
| 180  | See Note    | NSS | O-Ring (Note: Use Item 50)                                                                                                      |     |
| 185  | See Note    | NSS | O-Ring (Note: Use Item 50)                                                                                                      |     |
| 190  | See Note    | NSS | Ring (Note: Use Item 50)                                                                                                        |     |
| 200  | See Note    | NSS | Seal (Note: Use Item 50)                                                                                                        |     |
| 320  | 70007341    | 1   | Cartridge                                                                                                                       |     |
| 320  | 70004867    | 1   | Seal Kit - 70007341 Valve                                                                                                       |     |
| 330  | 70007342    | 1   | Cartridge, Relief                                                                                                               |     |
| 330  | 7024502     | 1   | Seal Kit - 70007342 Valve                                                                                                       |     |
| 340  | 70007343    | 1   | Cartridge, Solenoid                                                                                                             |     |
| 350  | 1001271454  | 1   | Plug                                                                                                                            |     |
| 360  | 70007345    | 1   | Cartridge, Solenoid                                                                                                             |     |
| 360  | 7024503     | 1   | Seal Kit - 70007345 Valve                                                                                                       |     |
| 370  | 2221086     | 2   | Fitting, Test                                                                                                                   |     |
| 380  | 70007323    | 1   | Coil                                                                                                                            |     |
| 381  | 70006004    | 1   | Coil                                                                                                                            |     |
| 390  | 70007346    | 2   | Orifice                                                                                                                         |     |
| 400  | 70026973    | 6   | Plug 1/8                                                                                                                        |     |
| 410  | 70007347    | 2   | O-Ring                                                                                                                          |     |

SECTION 6 - CYLINDER

FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB



ART\_1001251013



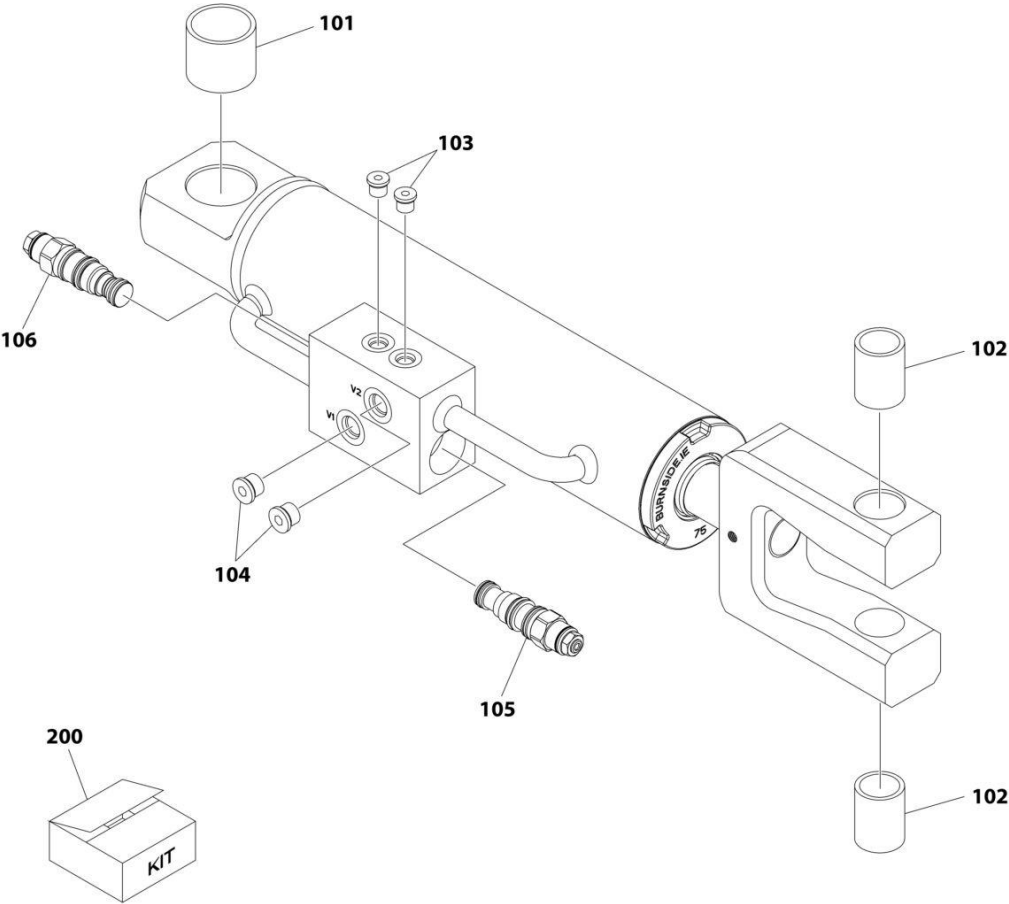
## SECTION 6 - CYLINDER

**FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001251013  | Ref | LIFT CYLINDER ASSEMBLY                                                                                                          | A   |
|      |             | Ref | Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts. |     |
| 1    | 0962336     | 4   | Bushing                                                                                                                         |     |
| 2    | 4640509     | 1   | Cartridge, Valve                                                                                                                |     |
| 2    | 2900792     | 1   | Seal Kit - 4640509 Valve                                                                                                        |     |
| 3    | 1001231963  | 1   | Cartridge, Valve                                                                                                                |     |
| 3    | 70004186    | 1   | Seal Kit - 1001231963 Valve                                                                                                     |     |
| 101  | See Note    | NSS | Tube (Note: Not Available for Purchase)                                                                                         |     |
| 102  | 70008175    | 1   | Rod                                                                                                                             |     |
| 103  | 70008176    | 1   | Head                                                                                                                            |     |
| 104  | See Note    | NSS | Wiper, Dust (Note: Use Item 120)                                                                                                |     |
| 105  | 70002373    | 1   | Ring, Retaining                                                                                                                 |     |
| 106  | See Note    | NSS | Seal, Rod (Note: Use Item 120)                                                                                                  |     |
| 107  | See Note    | NSS | Ring, Backup (Note: Use Item 120)                                                                                               |     |
| 108  | 70005871    | 1   | Bushing                                                                                                                         |     |
| 109  | See Note    | NSS | O-Ring (Note: Use Item 120)                                                                                                     |     |
| 110  | See Note    | NSS | Ring, Backup (Note: Use Item 120)                                                                                               |     |
| 111  | See Note    | NSS | O-Ring (Note: Use Item 120)                                                                                                     |     |
| 112  | 70008177    | 1   | Piston                                                                                                                          |     |
| 113  | See Note    | NSS | Seal, Piston (Note: Use Item 120)                                                                                               |     |
| 114  | See Note    | NSS | O-Ring (Note: Use Item 120)                                                                                                     |     |
| 115  | 70022564    | 1   | Ball, Steel                                                                                                                     |     |
| 116  | 70006596    | 1   | Setscrew                                                                                                                        |     |
| 117  | 70008178    | 1   | Spacer                                                                                                                          |     |
| 118  | 2220883     | 6   | Plug 7/16                                                                                                                       |     |
| 119  | 2220885     | 2   | Plug 9/16                                                                                                                       |     |
| 120  | 70008179    | 1   | Seal Kit (Includes Items 104, 106-107, 109-111 & 113-114)                                                                       |     |

SECTION 6 - CYLINDER

FIGURE 6-5. STEER CYLINDER ASSEMBLY



ART\_1001278895

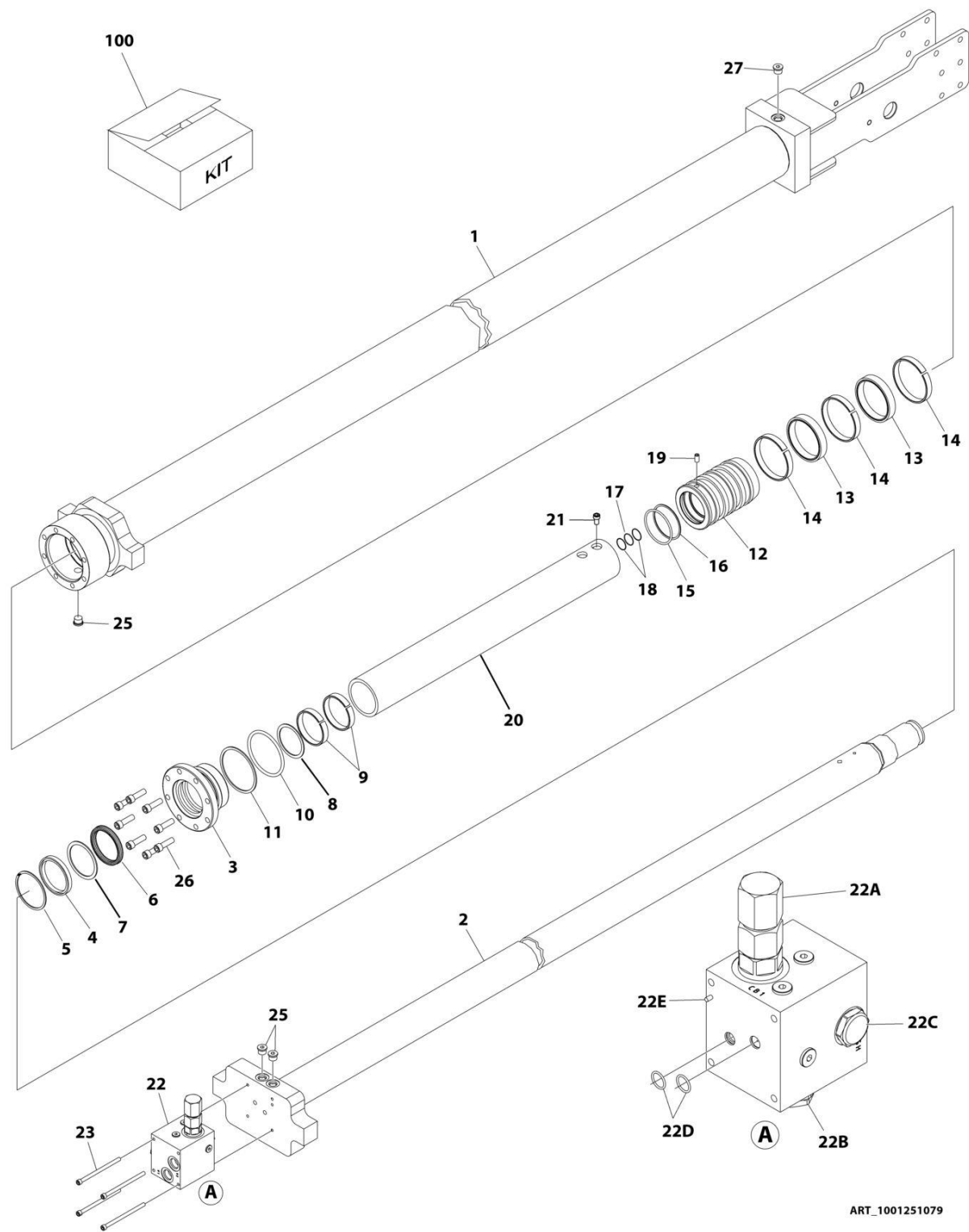
## SECTION 6 - CYLINDER

**FIGURE 6-5. STEER CYLINDER ASSEMBLY**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001278895  | Ref | STEER CYLINDER                                                                                                                  | C   |
|      |             | Ref | Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts. |     |
|      |             | Ref | Note: No Other Service Parts Available At Time of Printing.                                                                     |     |
| 101  | 0962272     | 1   | Bushing                                                                                                                         |     |
| 102  | 0962422     | 2   | Bushing                                                                                                                         |     |
| 103  | 2220883     | 2   | Plug #4 (Note: No Other Service Parts Available at Time of Printing)                                                            |     |
| 104  | 2220885     | 2   | Plug #6                                                                                                                         |     |
| 105  | 1001239514  | 1   | Valve (Counterbalance Cartridge)                                                                                                |     |
| 105  | 2900770     | 1   | Seal Kit - 1001239514 Valve                                                                                                     |     |
| 106  | 1001239515  | 1   | Valve (Counterbalance Cartridge)                                                                                                |     |
| 106  | 2900770     | 1   | Seal Kit - 1001239515 Valve                                                                                                     |     |
| 200  | 70007457    | AR  | Seal Kit - 1001278895 Cylinder                                                                                                  |     |

SECTION 6 - CYLINDER

FIGURE 6-6. TELESCOPE CYLINDER ASSEMBLY



ART\_1001251079

## SECTION 6 - CYLINDER

**FIGURE 6-6. TELESCOPE CYLINDER ASSEMBLY**

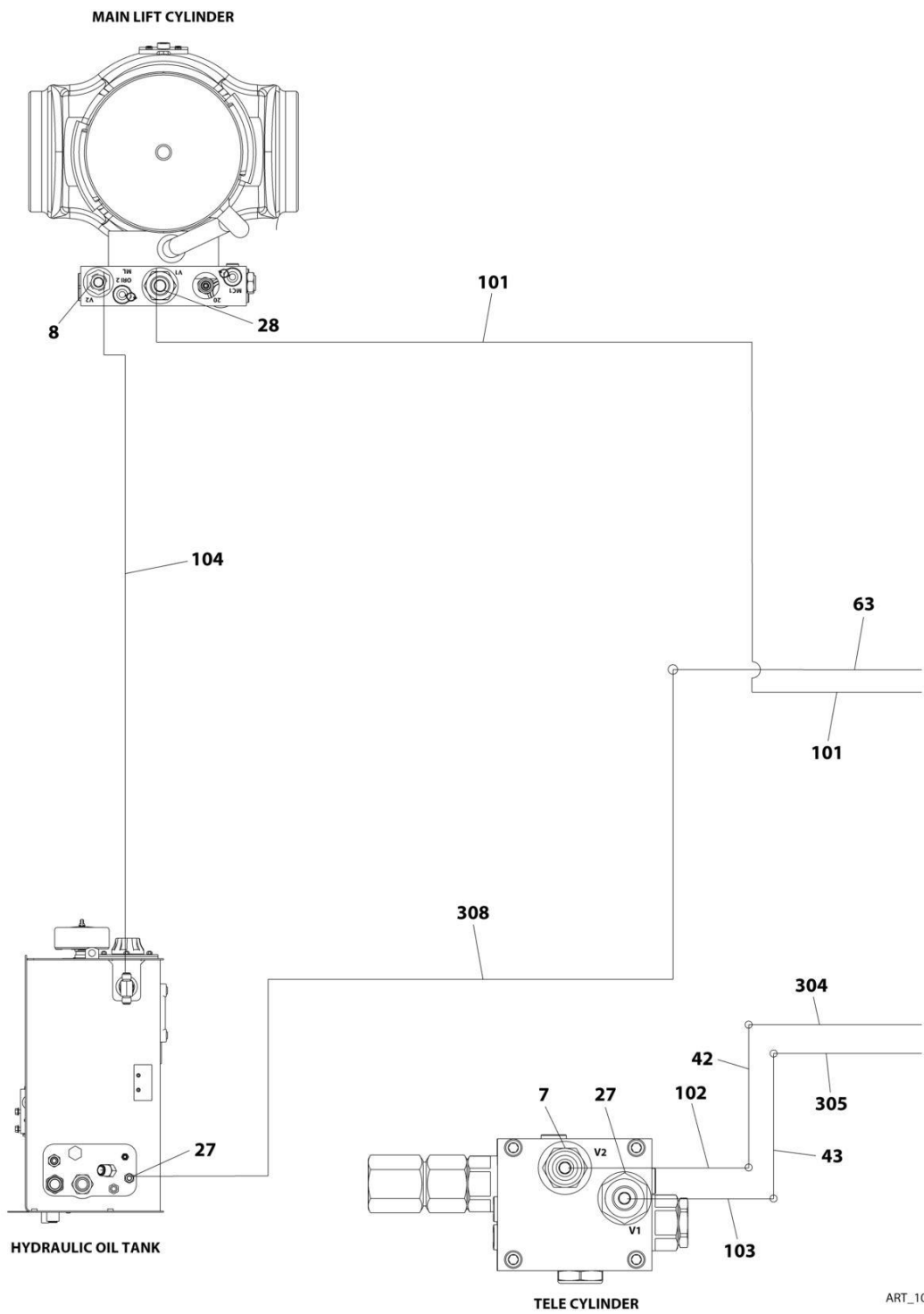
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                     | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001251079  | Ref | TELESCOPE CYLINDER ASSEMBLY                                                                                                     | B   |
|      | See Note    | Ref | Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts. |     |
| 1    | See Note    | NSS | Barrel (Note: Use PN 1001251079)                                                                                                |     |
| 2    | 70006978    | 1   | Rod                                                                                                                             |     |
| 3    | 70006979    | 1   | Head                                                                                                                            |     |
| 4    | See Note    | NSS | Wiper (Note: Use Item 100)                                                                                                      |     |
| 5    | 70050795    | 1   | Ring, Retaining                                                                                                                 |     |
| 6    | See Note    | NSS | Seal, Rod (Note: Use Item 100)                                                                                                  |     |
| 7    | See Note    | NSS | Ring, Back-up (Note: Use Item 100)                                                                                              |     |
| 8    | See Note    | NSS | Ring, Buffer (Note: Use Item 100)                                                                                               |     |
| 9    | See Note    | NSS | Ring, Wear (Note: Use Item 100)                                                                                                 |     |
| 10   | See Note    | NSS | O-Ring (Note: Use Item 100)                                                                                                     |     |
| 11   | See Note    | NSS | Ring, Back-up (Note: Use Item 100)                                                                                              |     |
| 12   | 70006980    | 1   | Piston                                                                                                                          |     |
| 13   | See Note    | NSS | Seal, Piston (Note: Use Item 100)                                                                                               |     |
| 14   | See Note    | NSS | Ring, Wear (Note: Use Item 100)                                                                                                 |     |
| 15   | See Note    | NSS | O-Ring (Note: Use Item 100)                                                                                                     |     |
| 16   | See Note    | NSS | Ring, Back-up (Note: Use Item 100)                                                                                              |     |
| 17   | See Note    | NSS | O-Ring (Note: Use Item 100)                                                                                                     |     |
| 18   | See Note    | NSS | Ring, Back-up (Note: Use Item 100)                                                                                              |     |
| 19   | 70005839    | 1   | Setscrew M8 x 12                                                                                                                |     |
| 20   | 70006981    | 1   | Spacer                                                                                                                          |     |
| 21   | 70006731    | 1   | Bolt M8 x 12                                                                                                                    |     |
| 22   | 1001133245  | 1   | Valve Assembly                                                                                                                  |     |
| 22A  | 70003926    | 1   | Cartridge, Valve                                                                                                                |     |
| 22A  | 70004186    | 1   | Seal Kit - 70003926 Valve                                                                                                       |     |
| 22B  | 70004155    | 1   | Cartridge, Valve                                                                                                                |     |
| 22B  | 70004186    | 1   | Seal Kit - 70004155 Valve                                                                                                       |     |
| 22C  | 70003928    | 1   | Cartridge, Valve                                                                                                                |     |
| 22C  | 70003929    | 1   | Seal Kit - 70003928 Valve                                                                                                       |     |
| 22D  | 70003982    | 2   | Seal                                                                                                                            |     |
| 22E  | 70003930    | 1   | Roll Pin                                                                                                                        |     |
| 23   | 70005595    | 4   | Bolt M6 x 100                                                                                                                   |     |
| 25   | 2220885     | 3   | Plug 9/16                                                                                                                       |     |
| 26   | 70006982    | 8   | Bolt M10 x 45                                                                                                                   |     |
| 27   | 2220883     | 1   | Plug 7/16                                                                                                                       |     |
| 100  | 70006983    | 1   | Seal Kit - 1001251079 Cylinder (Includes Items 4, 6-11 & 13-18)                                                                 |     |



**SECTION 7 - HYDRAULIC**

SECTION 7 - HYDRAULIC

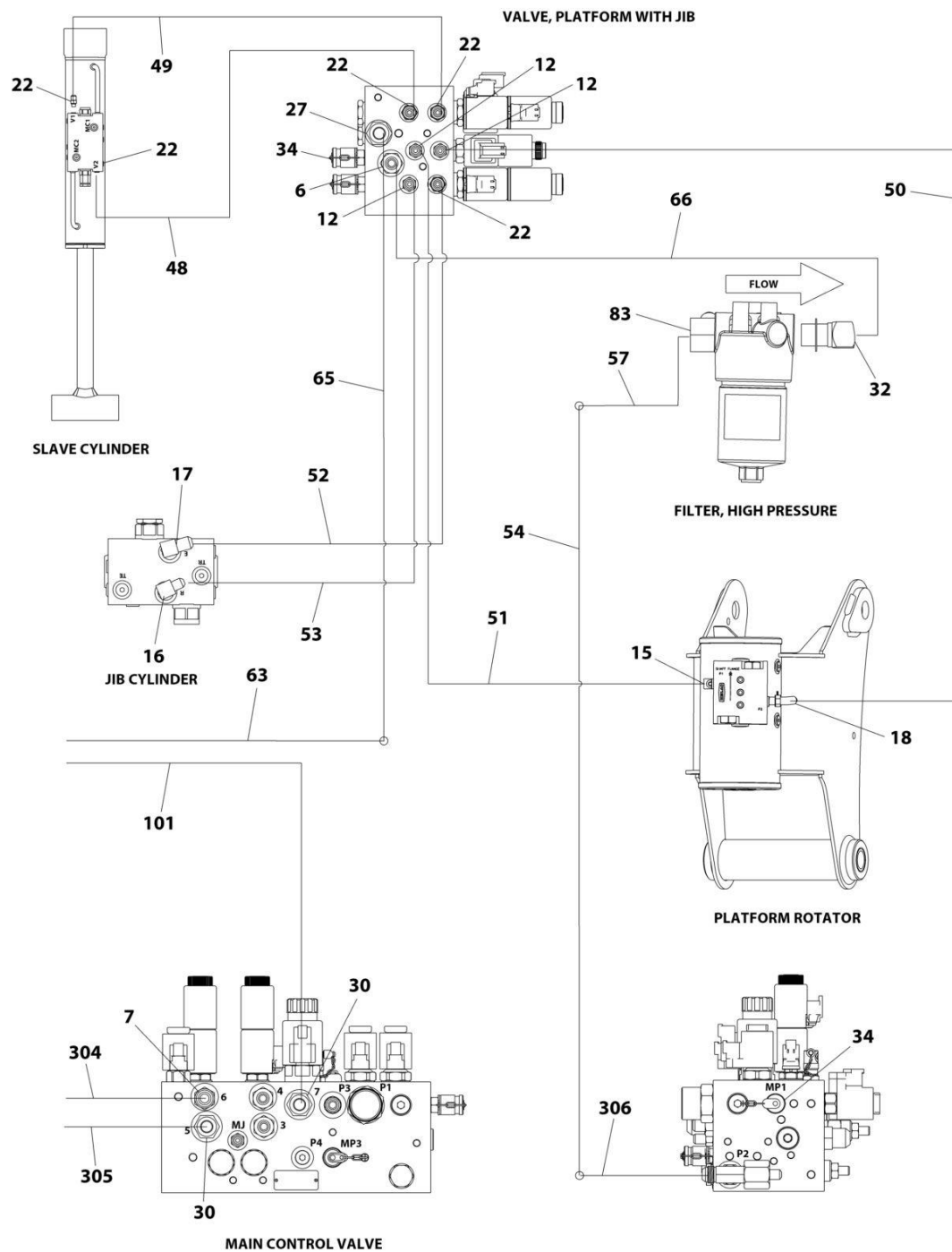
FIGURE 7-1. HYDRAULIC DIAGRAM - BOOM AND TURNTABLE



ART\_1001234994\_J\_10F4

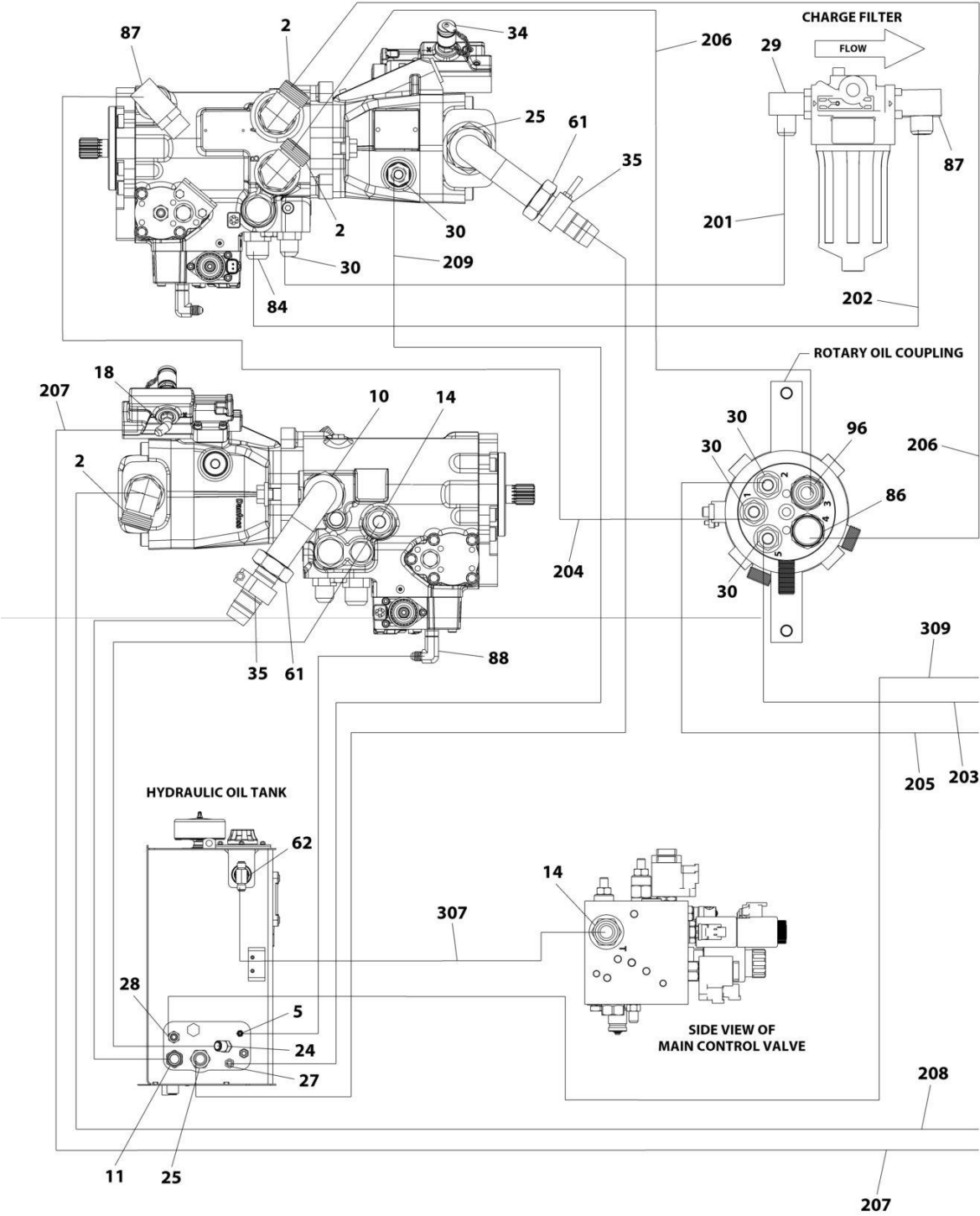


# SECTION 7 - HYDRAULIC



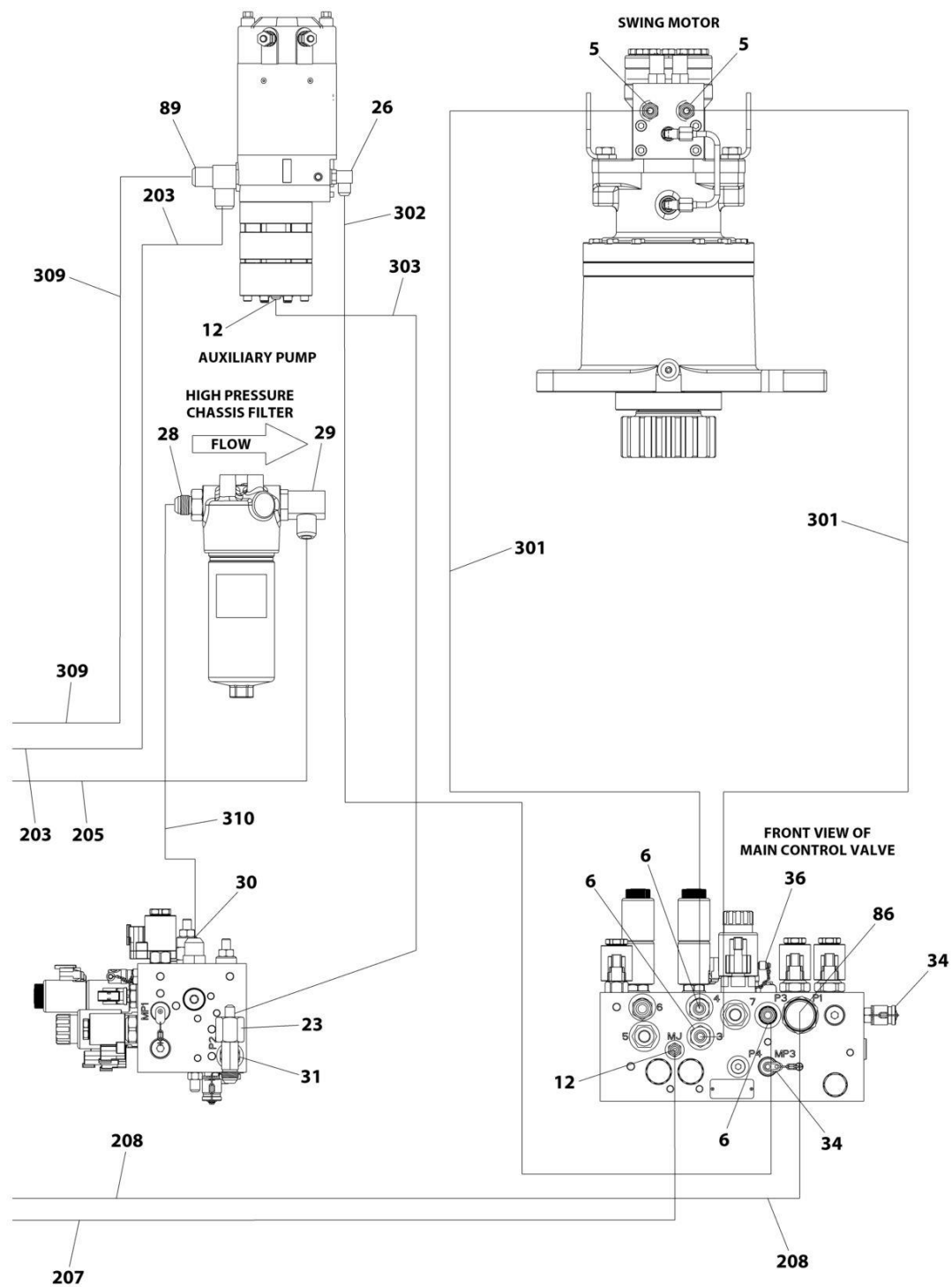
ART\_1001234994\_J\_2OF4

SECTION 7 - HYDRAULIC



ART\_1001234994\_J\_30F4

## SECTION 7 - HYDRAULIC



ART\_1001234994\_J\_4OF4

## SECTION 7 - HYDRAULIC

**FIGURE 7-1. HYDRAULIC DIAGRAM - BOOM AND TURNTABLE**

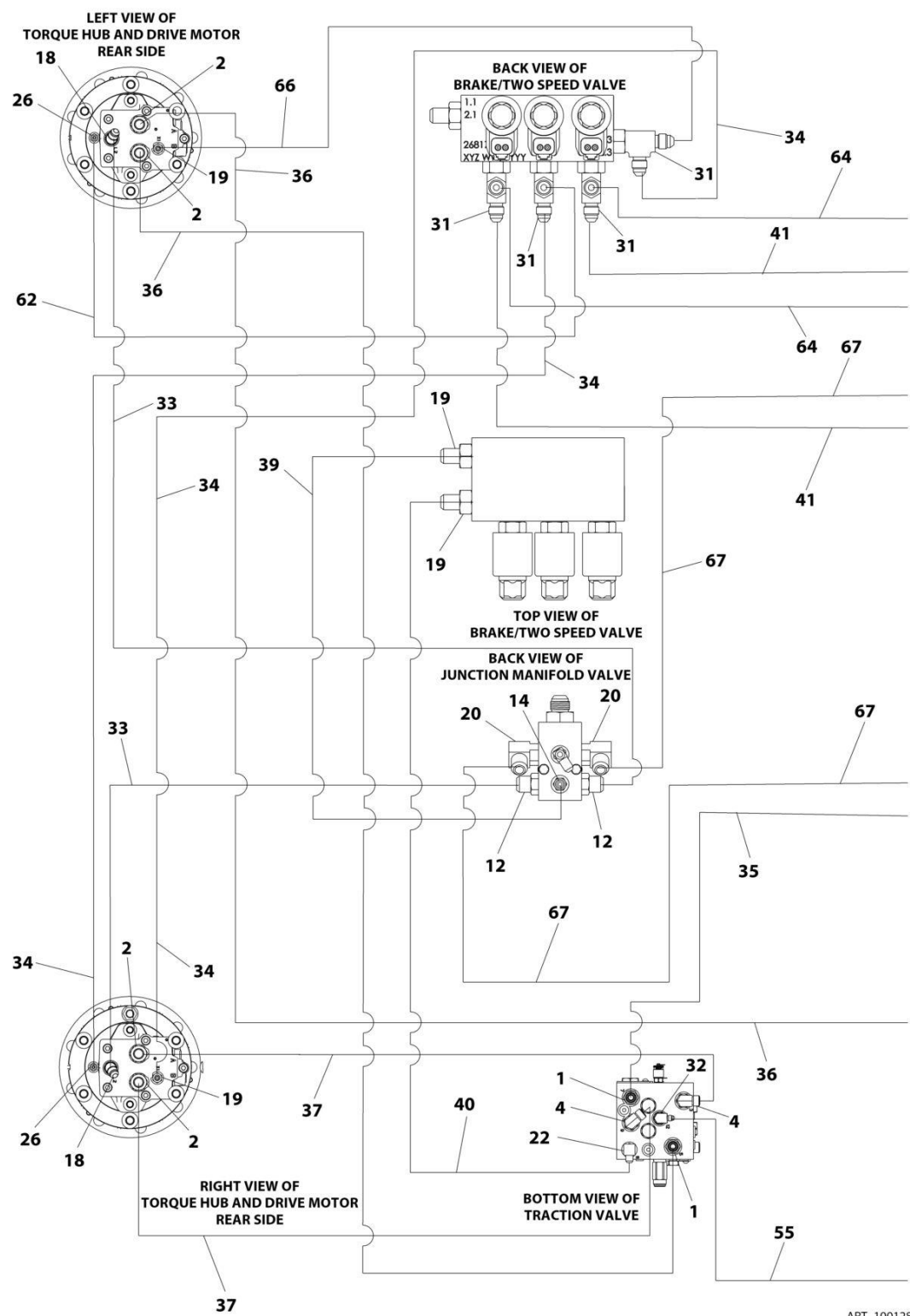
| ITEM | PART NUMBER | QTY | DESCRIPTION                            | REV |
|------|-------------|-----|----------------------------------------|-----|
|      | 1001234994  | Ref | HYDRAULIC DIAGRAM - BOOM AND TURNTABLE | J   |
| 2    | 2131616     | 3   | Fitting, 90 ORFS/ORB                   |     |
| 5    | 2220371     | 3   | Fitting, Straight JIC/ORB              |     |
| 6    | 2220372     | 4   | Fitting, Straight JIC/ORB              |     |
| 7    | 2220373     | 2   | Fitting, Straight JIC/ORB              |     |
| 8    | 2220374     | 1   | Fitting, Straight JIC/ORB              |     |
| 10   | 2220479     | 1   | Fitting, Straight JIC/ORB              |     |
| 11   | 2220380     | 1   | Fitting, Straight JIC/ORB              |     |
| 12   | 2220415     | 5   | Fitting, Straight JIC/ORB              |     |
| 14   | 2220451     | 2   | Fitting, Straight JIC/ORB              |     |
| 15   | 2220466     | 1   | Fitting, 90 JIC/ORB                    |     |
| 16   | 2220472     | 1   | Fitting, 90 JIC/ORB                    |     |
| 17   | 2220473     | 1   | Fitting, 90 JIC/ORB                    |     |
| 18   | 2220502     | 2   | Fitting, 45 JIC/ORB                    |     |
| 22   | 2220603     | 5   | Fitting, Straight JIC/ORB              |     |
| 23   | 2220618     | 1   | Fitting, Straight JIC/FSJIC            |     |
| 24   | 2220637     | 1   | Fitting                                |     |
| 25   | 2220733     | 2   | Fitting, Straight JIC/ORB              |     |
| 26   | 2220775     | 1   | Fitting, 90 JIC/ORB                    |     |
| 27   | 2220852     | 4   | Fitting, Straight JIC/ORB              |     |
| 28   | 2220865     | 3   | Fitting, Straight JIC/ORB              |     |
| 29   | 2220906     | 2   | Fitting, 90 JIC/ORB                    |     |
| 30   | 2220947     | 8   | Fitting, Straight JIC/ORB              |     |
| 31   | 2220999     | 1   | Fitting, Tee JIC/ORB/JIC               |     |
| 32   | 2221048     | 1   | Fitting, 90 JIC/ORB                    |     |
| 34   | 2221086     | 5   | Fitting, Test                          |     |
| 35   | 80633030    | 2   | Clamp                                  |     |
| 36   | 1001119455  | 1   | Valve, Oil Sampling                    |     |
| 42   | 1001192693  | 1   | Tube                                   |     |
| 43   | 1001192694  | 1   | Tube                                   |     |
| 48   | 1001193927  | 1   | Hose                                   |     |
| 49   | 1001193928  | 1   | Hose                                   |     |
| 50   | 1001193929  | 1   | Hose                                   |     |
| 51   | 1001193930  | 1   | Hose                                   |     |
| 52   | 1001269096  | 1   | Hose                                   |     |
| 53   | 1001269097  | 1   | Hose                                   |     |
| 54   | 1001201255  | 1   | Tube                                   |     |
| 57   | 1001203426  | 1   | Hose                                   |     |
| 61   | 1001205824  | 2   | Fitting, 90 Barb                       |     |
| 62   | 1001214408  | 1   | Fitting, Tee JIC/ORB/JIC               |     |
| 63   | 1001220903  | 1   | Tube                                   |     |
| 65   | 1001221016  | 1   | Hose                                   |     |
| 66   | 1001222522  | 1   | Hose                                   |     |
| 83   | 2220366     | 1   | Fitting, 90 JIC/ORB                    |     |
| 84   | 2220408     | 1   | Fitting, Straight JIC/ORB              |     |
| 86   | 2111612     | 2   | Fitting, Straight ORFS/ORB             |     |
| 87   | 2220578     | 2   | Fitting, 90 JIC/ORB                    |     |
| 88   | 2220940     | 1   | Fitting, 90 JIC/ORB                    |     |
| 89   | 2221051     | 1   | Fitting, Tee Run                       |     |
| 96   | 88662327    | 1   | Fitting, Straight ORFS/ORB             |     |

## SECTION 7 - HYDRAULIC

| ITEM | PART NUMBER | QTY | DESCRIPTION          | REV |
|------|-------------|-----|----------------------|-----|
| 100  | 1001269914  | 1   | Hose Kit (Not Shown) |     |
| 101  | 1001192641  | 1   | Hose                 |     |
| 102  | 1001192696  | 1   | Hose                 |     |
| 103  | 1001192699  | 1   | Hose                 |     |
| 104  | 1001204645  | 1   | Hose                 |     |
| 200  | 1001293599  | 1   | Hose Kit (Not Shown) |     |
| 201  | 1001192667  | 1   | Hose                 |     |
| 202  | 1001192669  | 1   | Hose                 |     |
| 203  | 1001246156  | 1   | Hose                 |     |
| 204  | 1001246157  | 1   | Hose                 |     |
| 205  | 1001246158  | 1   | Hose                 |     |
| 206  | 1001246161  | 2   | Hose                 |     |
| 207  | 1001246163  | 1   | Hose                 |     |
| 208  | 1001249255  | 1   | Hose                 |     |
| 209  | 1001273630  | 1   | Hose                 |     |
| 300  | 1001293601  | 1   | Hose Kit (Not Shown) |     |
| 301  | 1001192651  | 2   | Hose                 |     |
| 302  | 1001192654  | 1   | Hose                 |     |
| 303  | 1001192655  | 1   | Hose                 |     |
| 304  | 1001192695  | 1   | Hose                 |     |
| 305  | 1001192698  | 1   | Hose                 |     |
| 306  | 1001203424  | 1   | Hose                 |     |
| 307  | 1001203430  | 1   | Hose                 |     |
| 308  | 1001220912  | 1   | Hose                 |     |
| 309  | 1001228226  | 1   | Hose                 |     |
| 310  | 1001247450  | 1   | Hose                 |     |

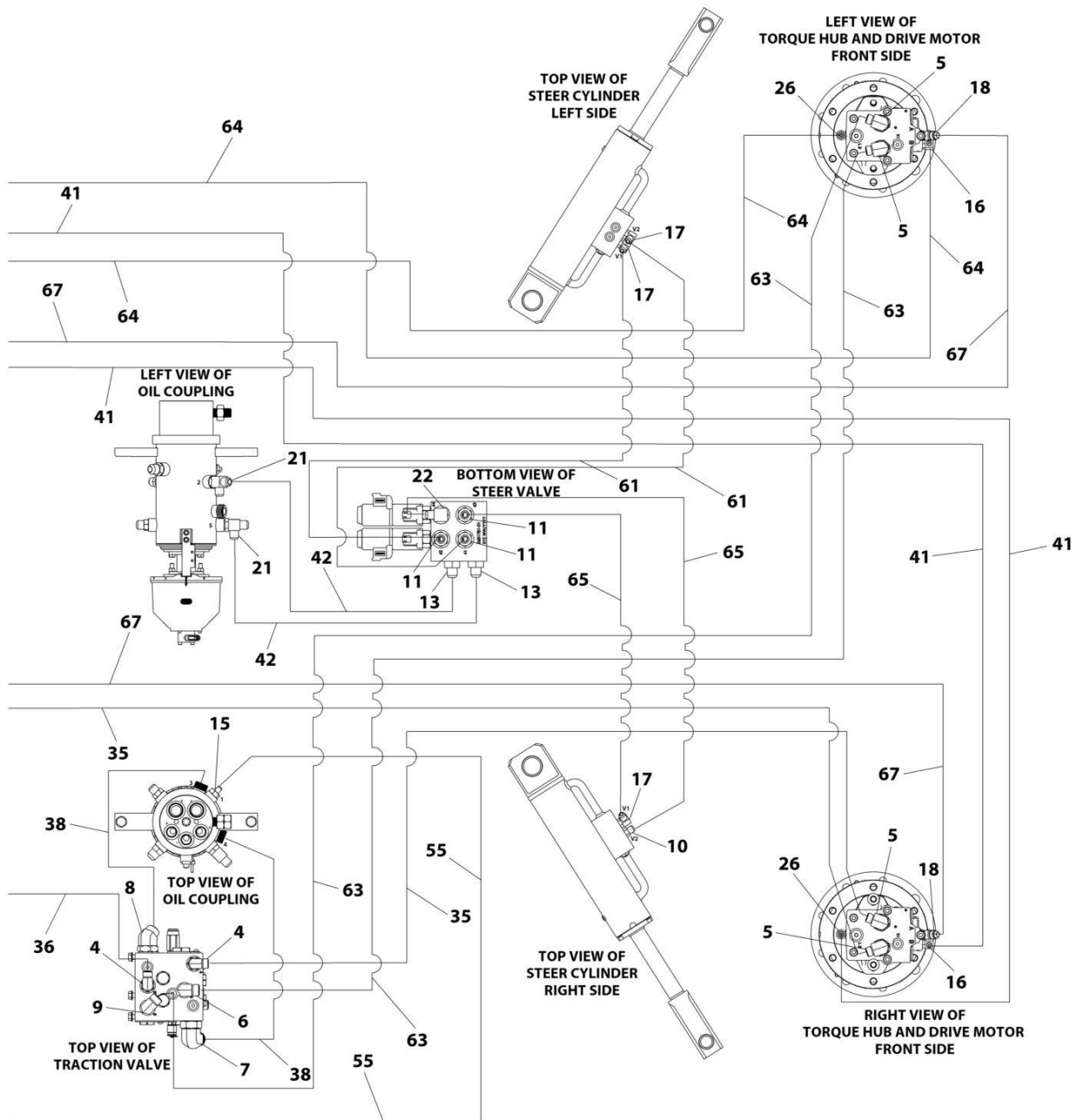
SECTION 7 - HYDRAULIC

FIGURE 7-2. HYDRAULIC DIAGRAM - CHASSIS



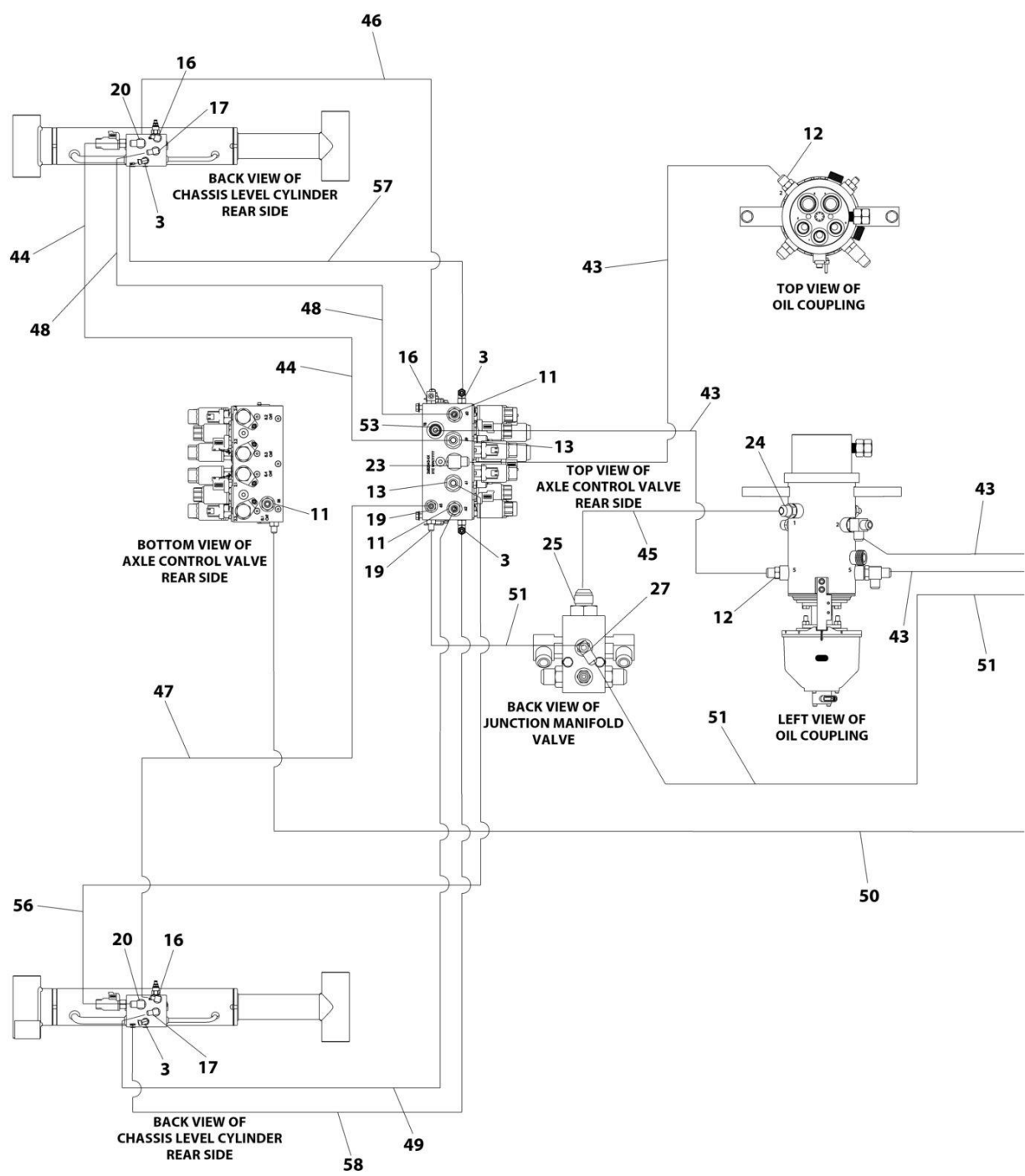
ART\_1001288230\_1 OF 4

# SECTION 7 - HYDRAULIC



ART\_1001288230\_20F4

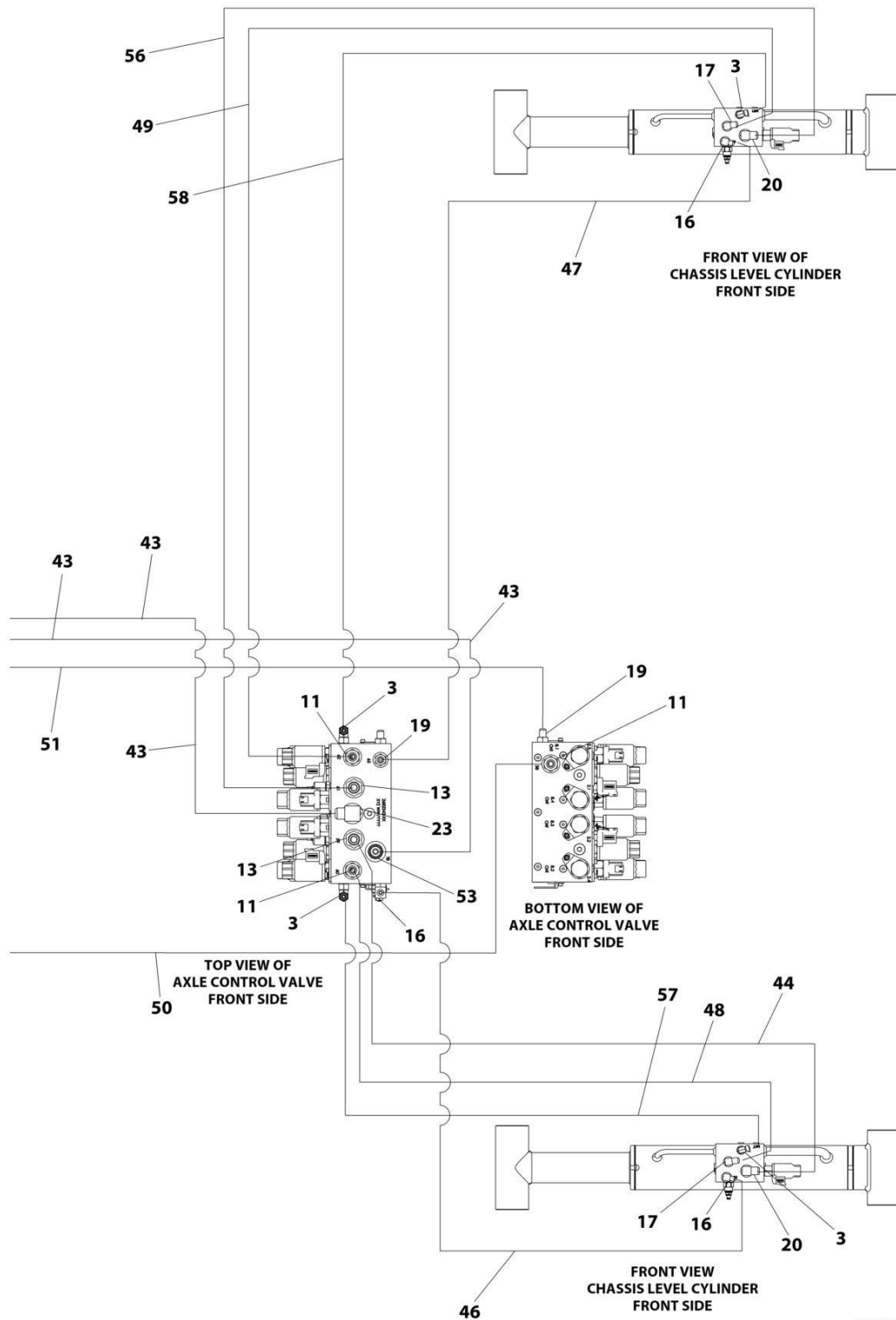
SECTION 7 - HYDRAULIC



ART\_1001288230\_3OF4



# SECTION 7 - HYDRAULIC



ART\_1001288230\_4OF4

## SECTION 7 - HYDRAULIC

FIGURE 7-2. HYDRAULIC DIAGRAM - CHASSIS

| ITEM | PART NUMBER | QTY | DESCRIPTION                 | REV |
|------|-------------|-----|-----------------------------|-----|
|      | 1001288230  | Ref | HYDRAULIC DIAGRAM - CHASSIS | C   |
| 1    | 2110810     | 2   | Fitting, Straight ORFS/ORB  |     |
| 2    | 2110812     | 4   | Fitting, Straight ORFS/ORB  |     |
| 3    | 2130404     | 8   | Fitting, 90 ORFS/ORB        |     |
| 4    | 2130810     | 4   | Fitting, 90 ORFS/ORB        |     |
| 5    | 2130812     | 4   | Fitting, 90 ORFS/ORB        |     |
| 6    | 2131010     | 1   | Fitting, 90 ORFS/ORB        |     |
| 7    | 2131216     | 1   | Fitting, 90 ORFS/ORB        |     |
| 8    | 2151216     | 1   | Fitting, 45 ORFS/ORB        |     |
| 9    | 2170210     | 1   | Fitting, 90                 |     |
| 10   | 2220371     | 1   | Fitting, Straight JIC/ORB   |     |
| 11   | 2220372     | 9   | Fitting, Straight JIC/ORB   |     |
| 12   | 2220373     | 4   | Fitting, Straight JIC/ORB   |     |
| 13   | 2220374     | 6   | Fitting, Straight JIC/ORB   |     |
| 14   | 2220415     | 1   | Fitting, Straight JIC/ORB   |     |
| 15   | 2220468     | 1   | Fitting, Straight JIC/ORB   |     |
| 16   | 2220472     | 8   | Fitting, 90 JIC/ORB         |     |
| 17   | 2220473     | 7   | Fitting, 90 JIC/ORB         |     |
| 18   | 2220500     | 4   | Fitting, 45 JIC/ORB         |     |
| 19   | 2220582     | 8   | Fitting, Straight JIC/ORB   |     |
| 20   | 2220596     | 6   | Fitting, 90 JIC/ORB         |     |
| 21   | 2220602     | 2   | Fitting, Tee JIC/ORB/JIC    |     |
| 22   | 2220628     | 2   | Fitting, 90 JIC/ORB         |     |
| 23   | 2220671     | 2   | Fitting, 90 JIC/ORB         |     |
| 24   | 2220852     | 1   | Fitting, Straight JIC/ORB   |     |
| 25   | 2220865     | 1   | Fitting, Straight JIC/ORB   |     |
| 26   | 2220923     | 4   | Fitting, Straight JIC/ORB   |     |
| 27   | 2221034     | 1   | Fitting, Tee                |     |
| 28   | 3450306     | 8   | Pin, Cotter                 |     |
| 29   | 3841347     | 4   | Rod                         |     |
| 30   | 4751800     | 8   | Washer 1/2                  |     |
| 31   | 1001210823  | 4   | Fitting, Tee JIC/ORB/JIC    |     |
| 32   | 1001211139  | 1   | Fitting, 90 JIC/ORB         |     |
| 33   | 1001239017  | 2   | Hose                        |     |
| 34   | 1001239020  | 2   | Hose                        |     |
| 35   | 1001239022  | 2   | Hose                        |     |
| 36   | 1001239023  | 2   | Hose                        |     |
| 37   | 1001239025  | 2   | Hose                        |     |
| 38   | 1001239028  | 2   | Hose                        |     |
| 39   | 1001239032  | 1   | Hose                        |     |
| 40   | 1001239034  | 1   | Hose                        |     |
| 41   | 1001239035  | 2   | Hose                        |     |
| 42   | 1001239039  | 2   | Hose                        |     |
| 43   | 1001239041  | 4   | Hose                        |     |
| 44   | 1001239043  | 2   | Hose                        |     |
| 45   | 1001239045  | 1   | Hose                        |     |
| 46   | 1001239048  | 2   | Hose                        |     |
| 47   | 1001239049  | 2   | Hose                        |     |
| 48   | 1001241638  | 2   | Hose                        |     |
| 49   | 1001241639  | 2   | Hose                        |     |

## SECTION 7 - HYDRAULIC

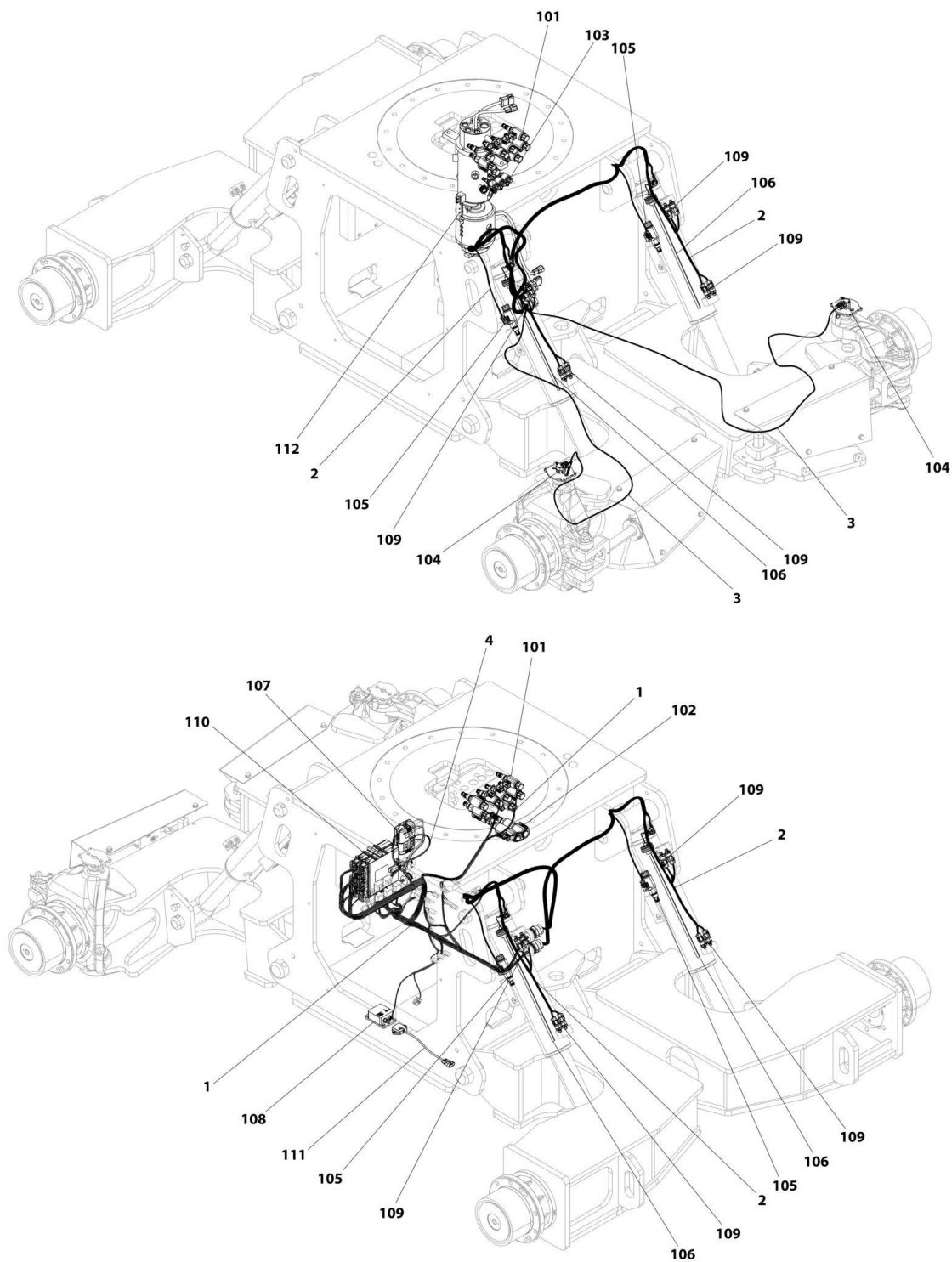
| ITEM | PART NUMBER | QTY      | DESCRIPTION                     | REV |
|------|-------------|----------|---------------------------------|-----|
| 50   | 1001241640  | 1        | Hose                            |     |
| 51   | 1001241641  | 2        | Hose                            |     |
| 52   | 1001246819  | 4        | Cover, Hose 1IN DIA (Not Shown) |     |
| 53   | 1001249284  | 2        | Valve, Check Adapter            |     |
| 54   | 4100026     | 7 ft/ 2m | Sleeve, Hose Protector          |     |
| 55   | 1001264725  | 1        | Hose                            |     |
| 56   | 1001264992  | 2        | Hose                            |     |
| 57   | 1001273655  | 2        | Hose                            |     |
| 58   | 1001273656  | 2        | Hose                            |     |
| 59   | 1001289268  | 4        | Tube                            |     |
| 60   | 1001289293  | 4        | Shield, Hose (Not Shown)        |     |
| 61   | 1001289297  | 2        | Hose                            |     |
| 62   | 1001289307  | 1        | Hose                            |     |
| 63   | 1001289308  | 2        | Hose                            |     |
| 64   | 1001289310  | 2        | Hose                            |     |
| 65   | 1001289315  | 2        | Hose                            |     |
| 66   | 1001289316  | 1        | Hose                            |     |
| 67   | 1001289317  | 2        | Hose                            |     |



**SECTION 8 - ELECTRICAL**

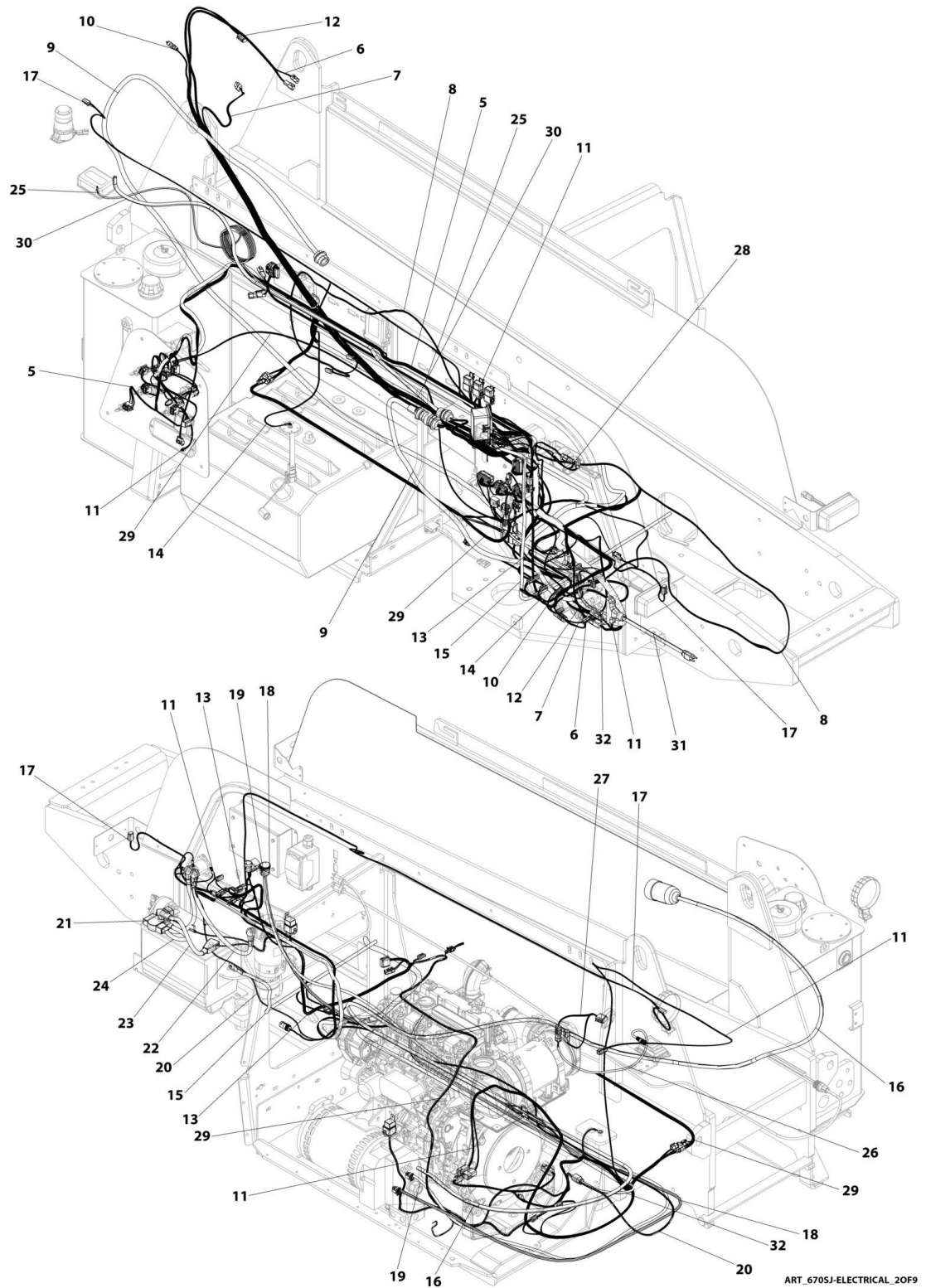
SECTION 8 - ELECTRICAL

FIGURE 8-1. 670SJ ELECTRICAL LAYOUT

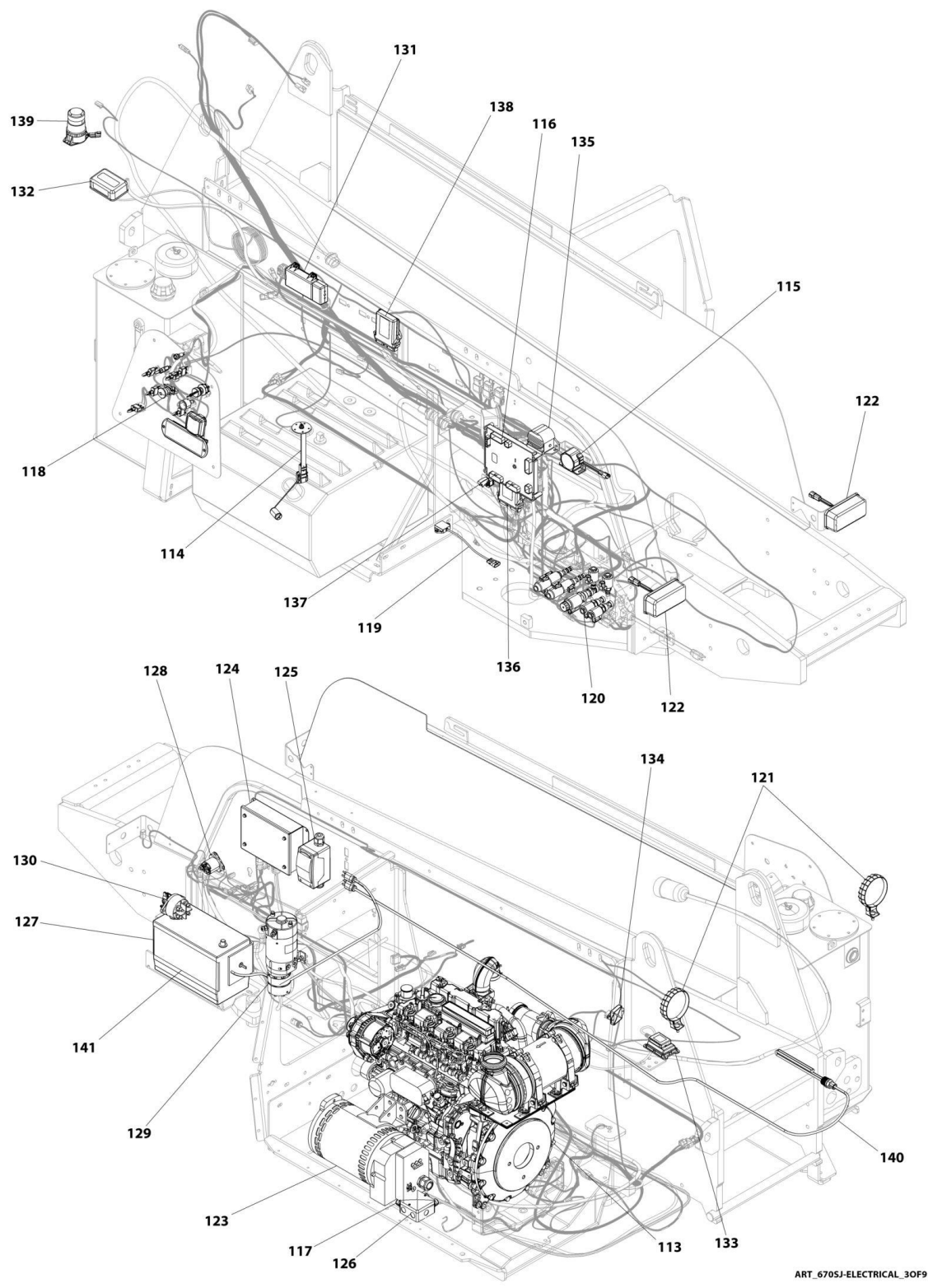


ART\_670SJ-ELECTRICAL\_10F9

## SECTION 8 - ELECTRICAL



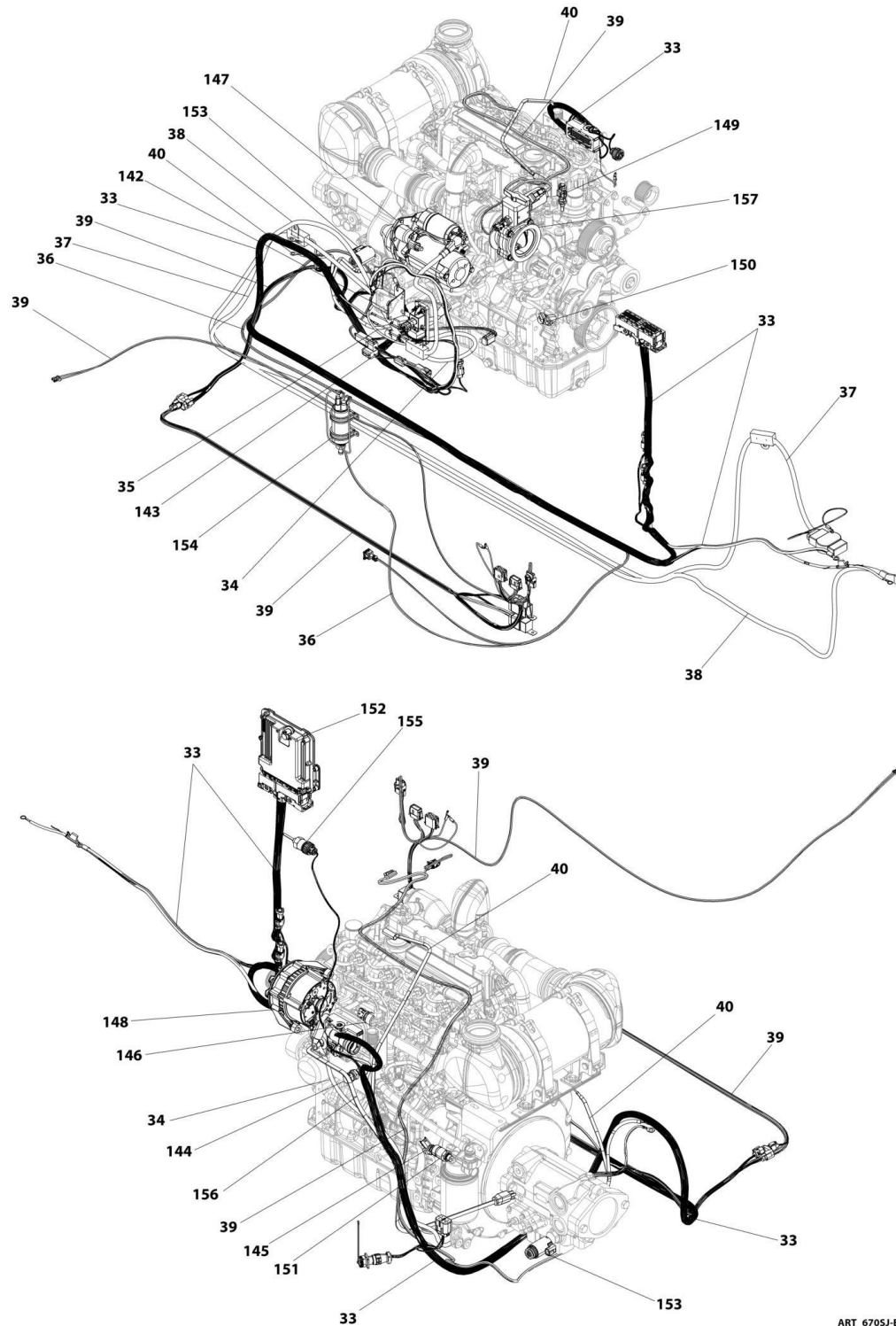
SECTION 8 - ELECTRICAL



ART\_670SJ-ELECTRICAL\_30F9

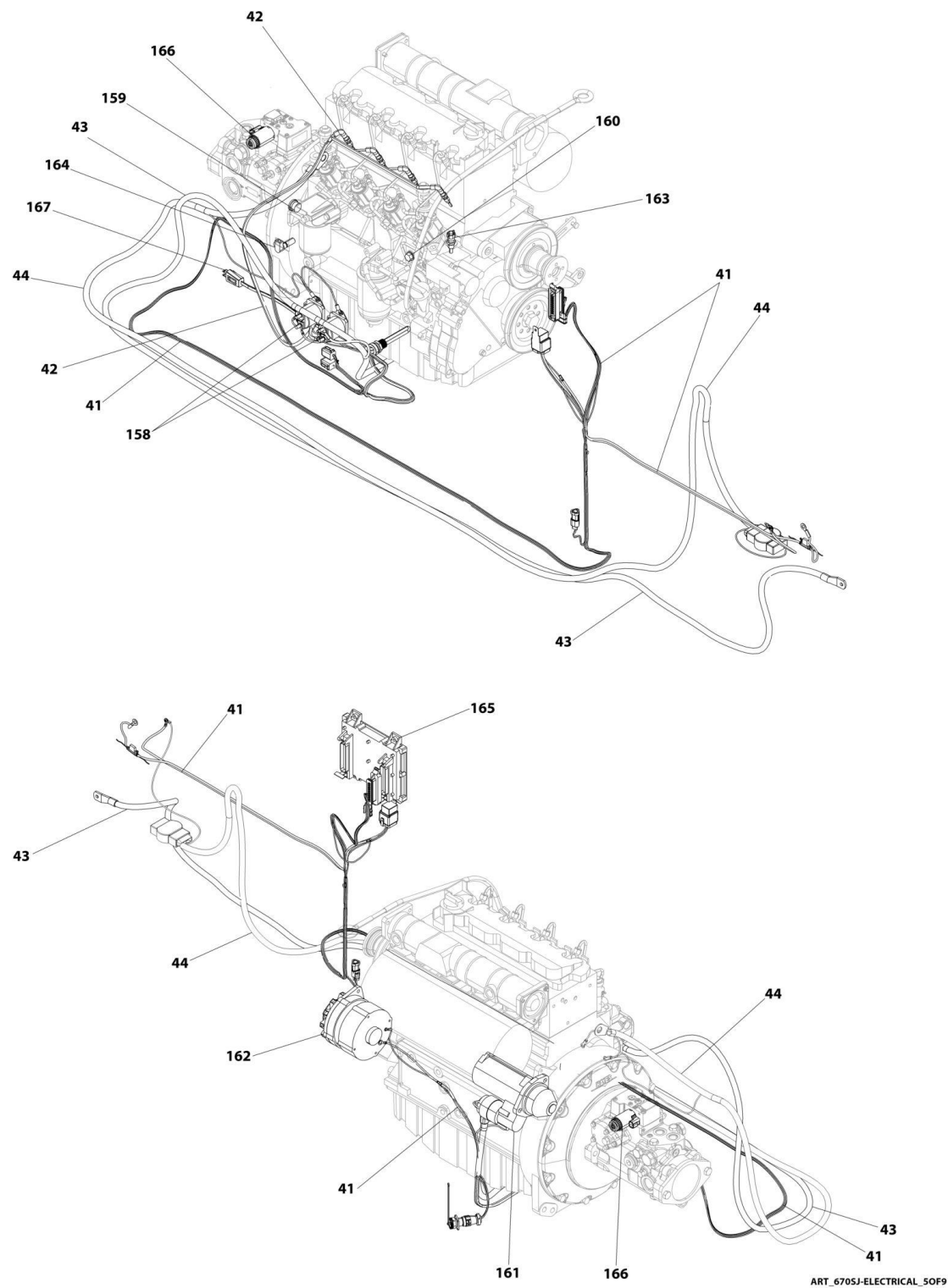


# SECTION 8 - ELECTRICAL

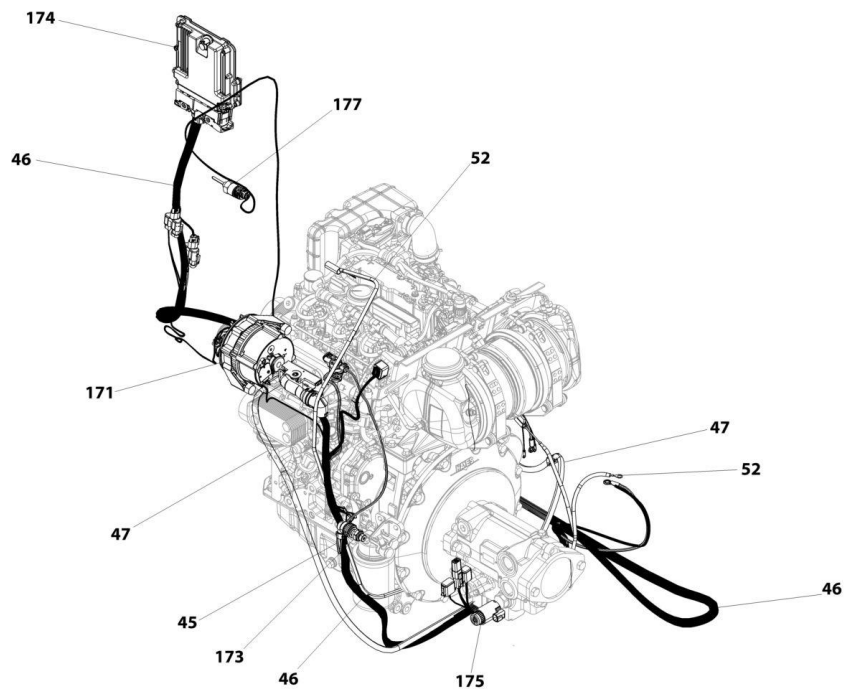
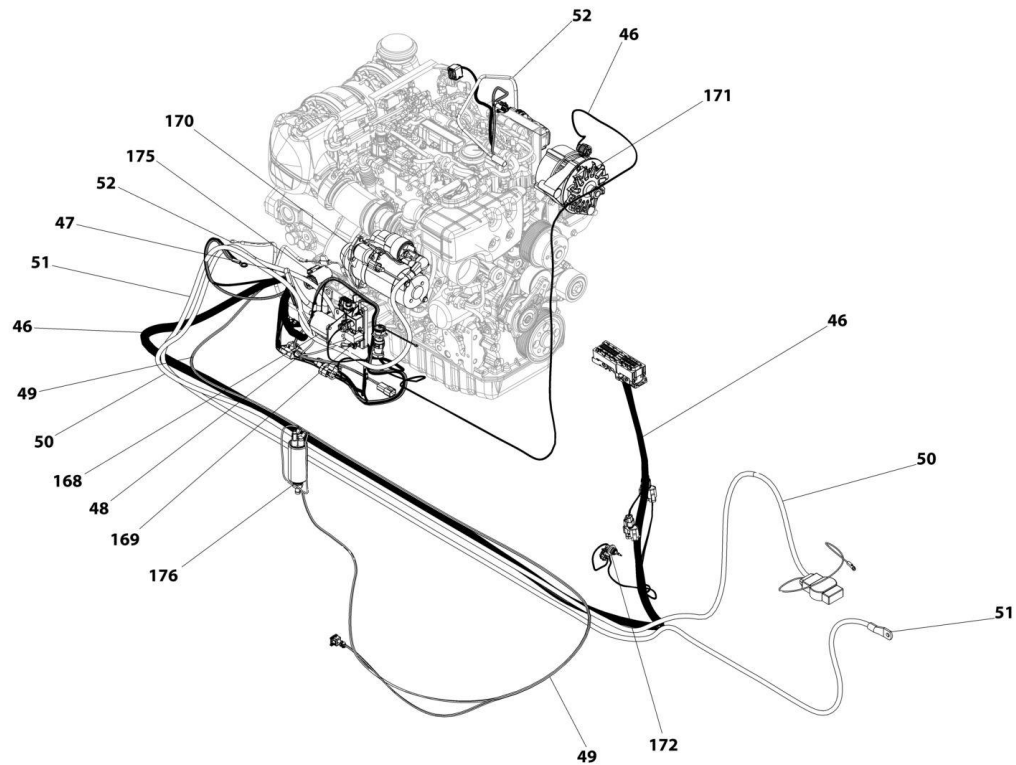


ART\_670SJ-ELECTRICAL\_40F9

SECTION 8 - ELECTRICAL

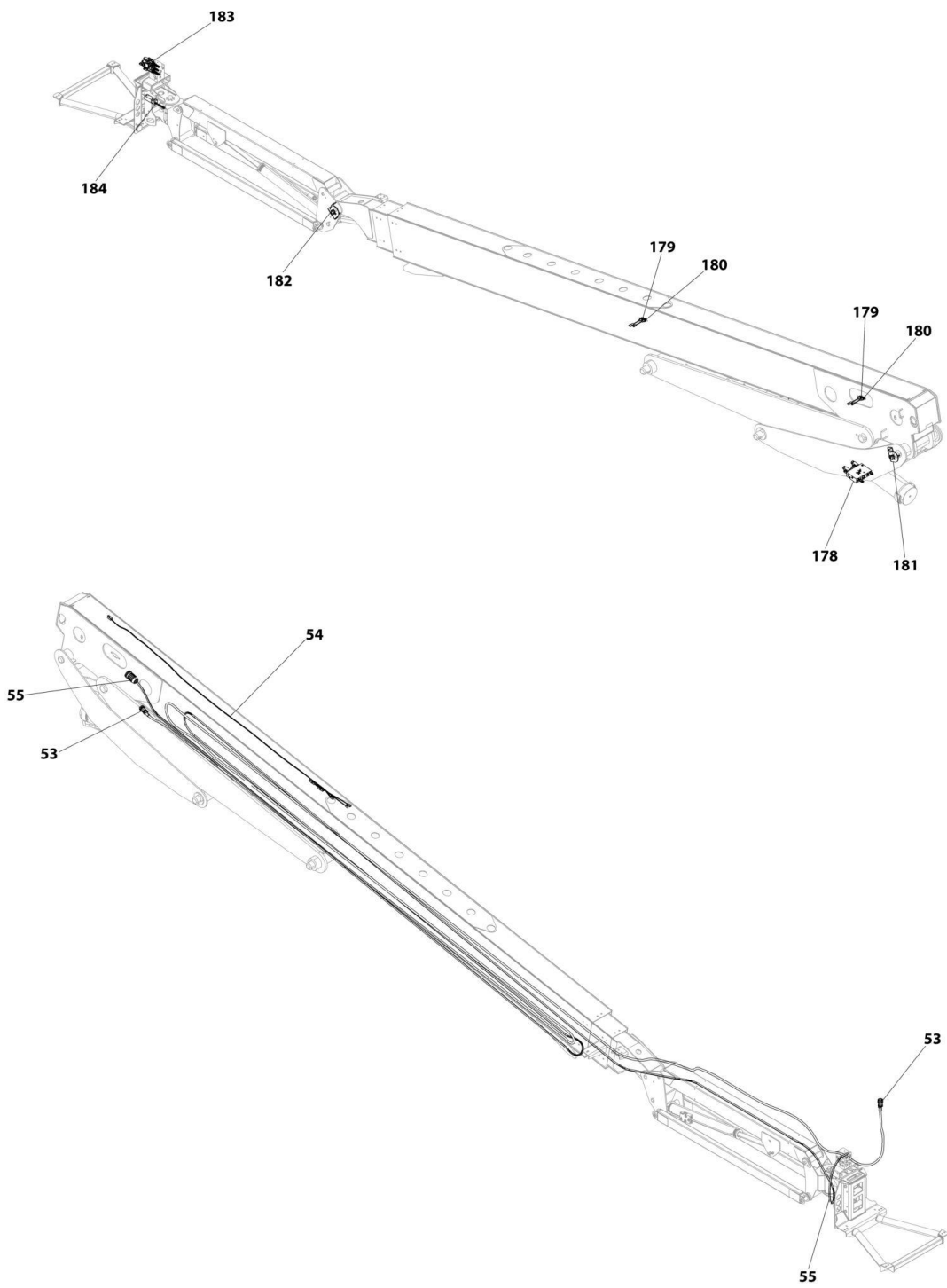


## SECTION 8 - ELECTRICAL



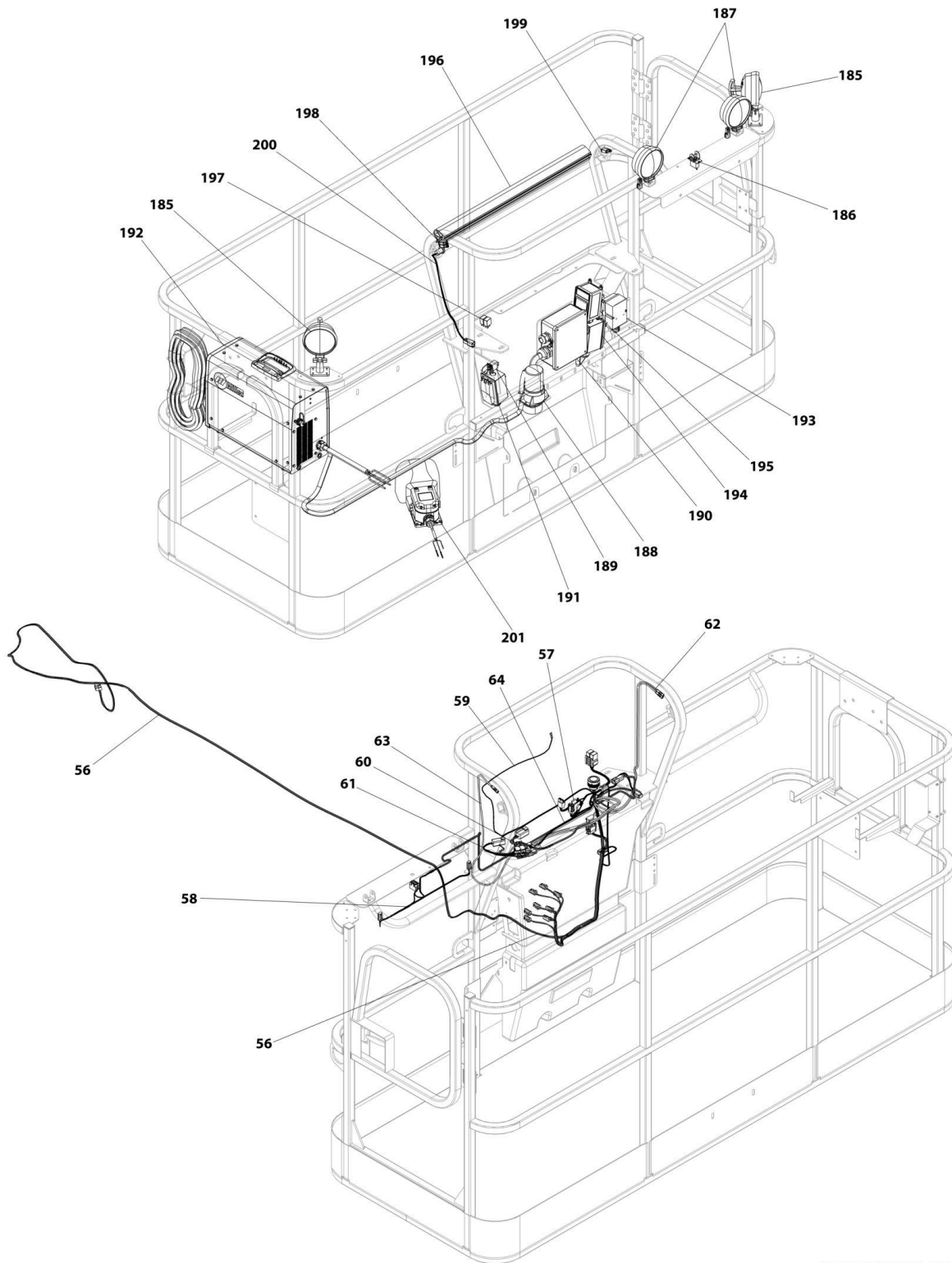
ART\_670SJ-ELECTRICAL\_6OF9

SECTION 8 - ELECTRICAL



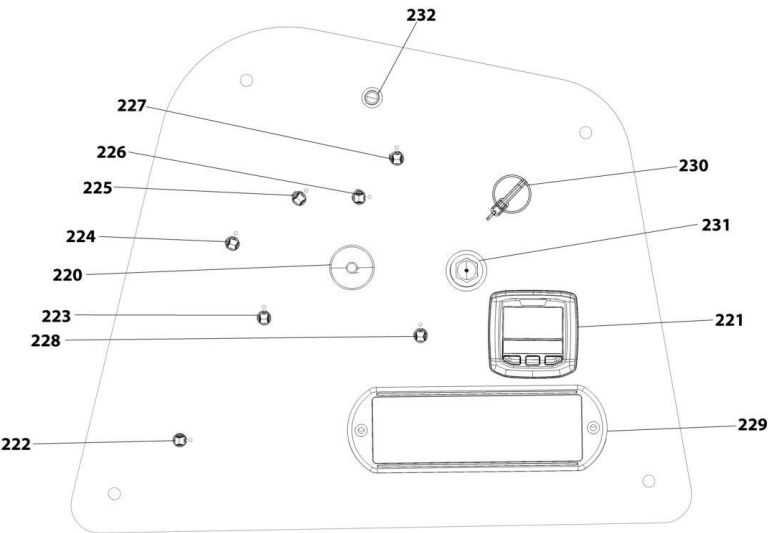
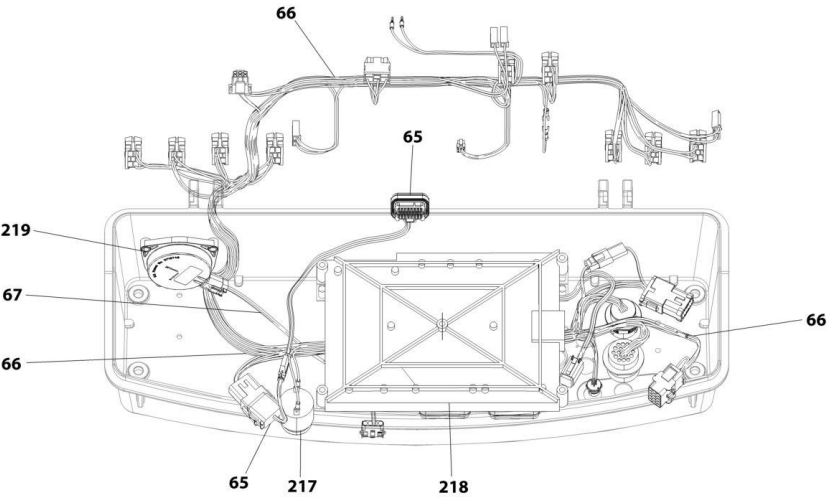
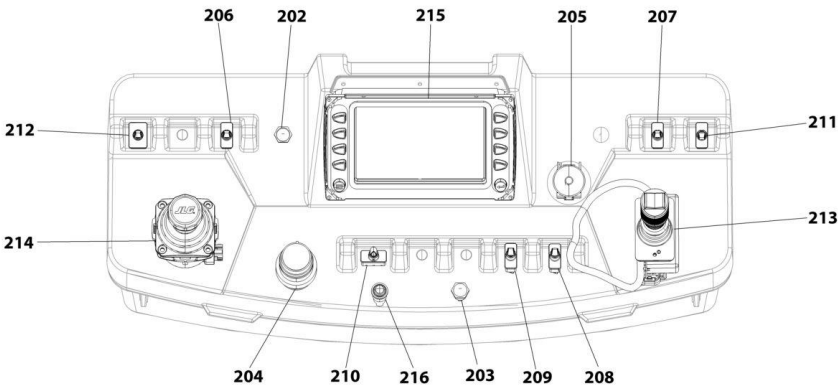
ART\_670SJ-ELECTRICAL\_70F9

## SECTION 8 - ELECTRICAL



ART\_670SJ-ELECTRICAL\_8OF9

SECTION 8 - ELECTRICAL



ART\_670SJ-ELECTRICAL\_90F9

## SECTION 8 - ELECTRICAL

**FIGURE 8-1. 670SJ ELECTRICAL LAYOUT**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                        | REV |
|------|-------------|-----|----------------------------------------------------|-----|
|      |             | Ref | HARNESS LIST                                       |     |
|      |             | Ref | Note: This figure is for part identification only. |     |
| 1    |             | Ref | Harness, Chassis                                   |     |
| 2    |             | Ref | Harness, Axle                                      |     |
| 3    |             | Ref | Harness, Steer                                     |     |
| 4    |             | Ref | Harness, Frame Module                              |     |
| 5    |             | Ref | Harness, Ground Control                            |     |
| 6    |             | Ref | Harness, Tele Retract                              |     |
| 7    |             | Ref | Harness, Boom Angle Sensor                         |     |
| 8    |             | Ref | Harness, Lift Cylinder                             |     |
| 9    |             | Ref | Cable, Boom (Lower)                                |     |
| 10   |             | Ref | Harness, Boom Cable Service                        |     |
| 11   |             | Ref | Harness, Turntable                                 |     |
| 12   |             | Ref | Harness, Capacity (Lower)                          |     |
| 13   |             | Ref | Harness, SLC Auxiliary Turntable                   |     |
| 14   |             | Ref | Harness, Main Valve                                |     |
| 15   |             | Ref | Harness, Ground Module                             |     |
| 16   |             | Ref | Cable, AC Ground to Platform                       |     |
| 17   |             | Ref | Harness, Head and Tail Light                       |     |
| 18   |             | Ref | Harness, 7500W Generator                           |     |
| 19   |             | Ref | Harness, 4000W Generator                           |     |
| 20   |             | Ref | Harness, 2500W Generator                           |     |
| 21   |             | Ref | Cable, Battery (+) to Aux Relay                    |     |
| 22   |             | Ref | Cable, Aux Relay to Aux Pump                       |     |
| 23   |             | Ref | Cable, Battery (+) to Disconnect                   |     |
| 24   |             | Ref | Cable, Battery (-) to Disconnect                   |     |
| 25   |             | Ref | Harness, Clearsky                                  |     |
| 26   |             | Ref | Harness, Telematics                                |     |
| 27   |             | Ref | Harness, Xirgo Jumper                              |     |
| 28   |             | Ref | Harness, White Noise Alarm                         |     |
| 29   |             | Ref | Harness, ASOV                                      |     |
| 30   |             | Ref | Harness, Strobe Light Control                      |     |
| 31   |             | Ref | 3-Way Plug                                         |     |
| 32   |             | Ref | Cable, Extension                                   |     |
| 33   |             | Ref | Harness, Engine                                    |     |
| 34   |             | Ref | Harness, Alternator Power                          |     |
| 35   |             | Ref | Harness, Glow Plug Fuse                            |     |
| 36   |             | Ref | Harness, Fuel Pump                                 |     |
| 37   |             | Ref | Cable, Battery (-) to Aux Pump to Ground           |     |
| 38   |             | Ref | Cable, Battery (+) to Relay to Starter             |     |
| 39   |             | Ref | Harness, ASOV                                      |     |
| 40   |             | Ref | Breather Tube Heater                               |     |
| 41   |             | Ref | Harness, Engine                                    |     |
| 42   |             | Ref | Harness, Glow Plug Fuse                            |     |
| 43   |             | Ref | Cable, Battery (+) to Relay to Starter             |     |
| 44   |             | Ref | Cable, Battery (-) to Aux Pump to Ground           |     |
| 45   |             | Ref | Harness, Fuel Filter                               |     |
| 46   |             | Ref | Harness, Engine                                    |     |
| 47   |             | Ref | Harness, Alternator Power                          |     |
| 48   |             | Ref | Harness, Glow Plug Fuse                            |     |

## SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION                              | REV |
|------|-------------|-----|------------------------------------------|-----|
| 49   |             | Ref | Harness, Fuel Pump                       |     |
| 50   |             | Ref | Cable, Battery (-) to Aux Pump to Ground |     |
| 51   |             | Ref | Cable, Battery (+) to Relay to Starter   |     |
| 52   |             | Ref | Breather Tube Heater                     |     |
| 53   |             | Ref | Cable, Boom (Upper)                      |     |
| 54   |             | Ref | Harness, Capacity (Upper)                |     |
| 55   |             | Ref | Cable, AC Ground to Platform             |     |
| 56   |             | Ref | Harness, Platform Valve                  |     |
| 57   |             | Ref | Harness, Platform Work Light             |     |
| 58   |             | Ref | Harness, Platform Flood Light            |     |
| 59   |             | Ref | Harness, Platform Strobe Light           |     |
| 60   |             | Ref | Harness, SkyGuard                        |     |
| 61   |             | Ref | Harness, SkyEye Intermediate             |     |
| 62   |             | Ref | Harness, SkyEye Receiver                 |     |
| 63   |             | Ref | Harness, SkyEye Emitter                  |     |
| 64   |             | Ref | Harness, SkyLine                         |     |
| 65   |             | Ref | Harness, Platform Display                |     |
| 66   |             | Ref | Harness, Platform Console                |     |
| 67   |             | Ref | Harness, Tilt Sensor                     |     |
|      |             | Ref | COMPONENT LIST                           |     |
| 101  |             | Ref | Solenoids, Axle Control Valve            |     |
| 102  |             | Ref | Solenoids, Steer Valve                   |     |
| 103  |             | Ref | Solenoids, Brake and Two Speed Valve     |     |
| 104  |             | Ref | Sensor, Steer Angle                      |     |
| 105  |             | Ref | Solenoid, Chassis Level Cylinder         |     |
| 106  |             | Ref | Transducer                               |     |
| 107  |             | Ref | Fuse Box                                 |     |
| 108  |             | Ref | Sensor, Inclinator                       |     |
| 109  |             | Ref | Sensor, Pressure Transducer              |     |
| 110  |             | Ref | Module, Frame                            |     |
| 111  |             | Ref | Sensor, Tilt                             |     |
| 112  |             | Ref | Rotary Coupling                          |     |
| 113  |             | Ref | Engine                                   |     |
| 114  |             | Ref | Sensor, Fuel Level                       |     |
| 115  |             | Ref | Alarm                                    |     |
| 116  |             | Ref | Module, Ground Control                   |     |
| 117  |             | Ref | Light, Generator                         |     |
| 118  |             | Ref | Ground Control Panel                     |     |
| 119  |             | Ref | Sensor, Tilt                             |     |
| 120  |             | Ref | Solenoids, Main Control Valve            |     |
| 121  |             | Ref | Headlight                                |     |
| 122  |             | Ref | Taillight                                |     |
| 123  |             | Ref | Generator                                |     |
| 124  |             | Ref | Box, Generator Control                   |     |
| 125  |             | Ref | AC Breaker Box                           |     |
| 126  |             | Ref | Generator Junction Box                   |     |
| 127  |             | Ref | Battery                                  |     |
| 128  |             | Ref | Relay                                    |     |
| 129  |             | Ref | Auxiliary Pump/Motor                     |     |
| 130  |             | Ref | Switch, Battery Disconnect               |     |
| 131  |             | Ref | Module, ClearSky Telematics CANBUS       |     |



## SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION                            | REV |
|------|-------------|-----|----------------------------------------|-----|
| 132  |             | Ref | Antenna, ClearSky Telematics           |     |
| 133  |             | Ref | Module, ClearSky Telematics 3-Wire     |     |
| 134  |             | Ref | Voltage Regulator, ClearSky Telematics |     |
| 135  |             | Ref | Alarm, White Noise                     |     |
| 136  |             | Ref | Module, ASOV Control                   |     |
| 137  |             | Ref | Switch, ASOV                           |     |
| 138  |             | Ref | Module, Strobe Control                 |     |
| 139  |             | Ref | Light, Strobe                          |     |
| 140  |             | Ref | Heater, Immersion                      |     |
| 141  |             | Ref | Heater, Battery                        |     |
| 142  |             | Ref | Contactactor                           |     |
| 143  |             | Ref | Relay                                  |     |
| 144  |             | Ref | Sensor, Oil Pressure                   |     |
| 145  |             | Ref | Sensor, Speed                          |     |
| 146  |             | Ref | Sensor, Fuel Rail Pressure             |     |
| 147  |             | Ref | Starter                                |     |
| 148  |             | Ref | Alternator                             |     |
| 149  |             | Ref | Engine Coolant Temperature Sensor      |     |
| 150  |             | Ref | Sensor, Speed                          |     |
| 151  |             | Ref | Sensor, Fuel Pressure                  |     |
| 152  |             | Ref | Module, Engine Control                 |     |
| 153  |             | Ref | Solenoids, Piston Pump                 |     |
| 154  |             | Ref | Fuel Pump                              |     |
| 155  |             | Ref | Sensor, Coolant Level                  |     |
| 156  |             | Ref | Heater, Engine Block                   |     |
| 157  |             | Ref | Air Shut Off Valve (ASOV)              |     |
| 158  |             | Ref | Relay                                  |     |
| 159  |             | Ref | Sensor, Temperature                    |     |
| 160  |             | Ref | Sensor, Oil Pressure                   |     |
| 161  |             | Ref | Starter                                |     |
| 162  |             | Ref | Alternator                             |     |
| 163  |             | Ref | Engine Coolant Temperature Sensor      |     |
| 164  |             | Ref | Sensor, Speed                          |     |
| 165  |             | Ref | Module, Engine Control                 |     |
| 166  |             | Ref | Solenoids, Gear Pump                   |     |
| 167  |             | Ref | Heater, Engine Block                   |     |
| 168  |             | Ref | Contactactor                           |     |
| 169  |             | Ref | Relay                                  |     |
| 170  |             | Ref | Starter                                |     |
| 171  |             | Ref | Alternator                             |     |
| 172  |             | Ref | Sensor, Ambient Air Temperature        |     |
| 173  |             | Ref | Sensor, Fuel Pressure                  |     |
| 174  |             | Ref | Module, Engine Control                 |     |
| 175  |             | Ref | Solenoids, Variable Pump               |     |
| 176  |             | Ref | Fuel Pump                              |     |
| 177  |             | Ref | Sensor, Coolant Level                  |     |
| 178  |             | Ref | Solenoid, Lift Cylinder                |     |
| 179  |             | Ref | Sensor, Proximity                      |     |
| 180  |             | Ref | Sensor, Proximity                      |     |
| 181  |             | Ref | Sensor, Lower Angle                    |     |
| 182  |             | Ref | Sensor, Upper Angle                    |     |

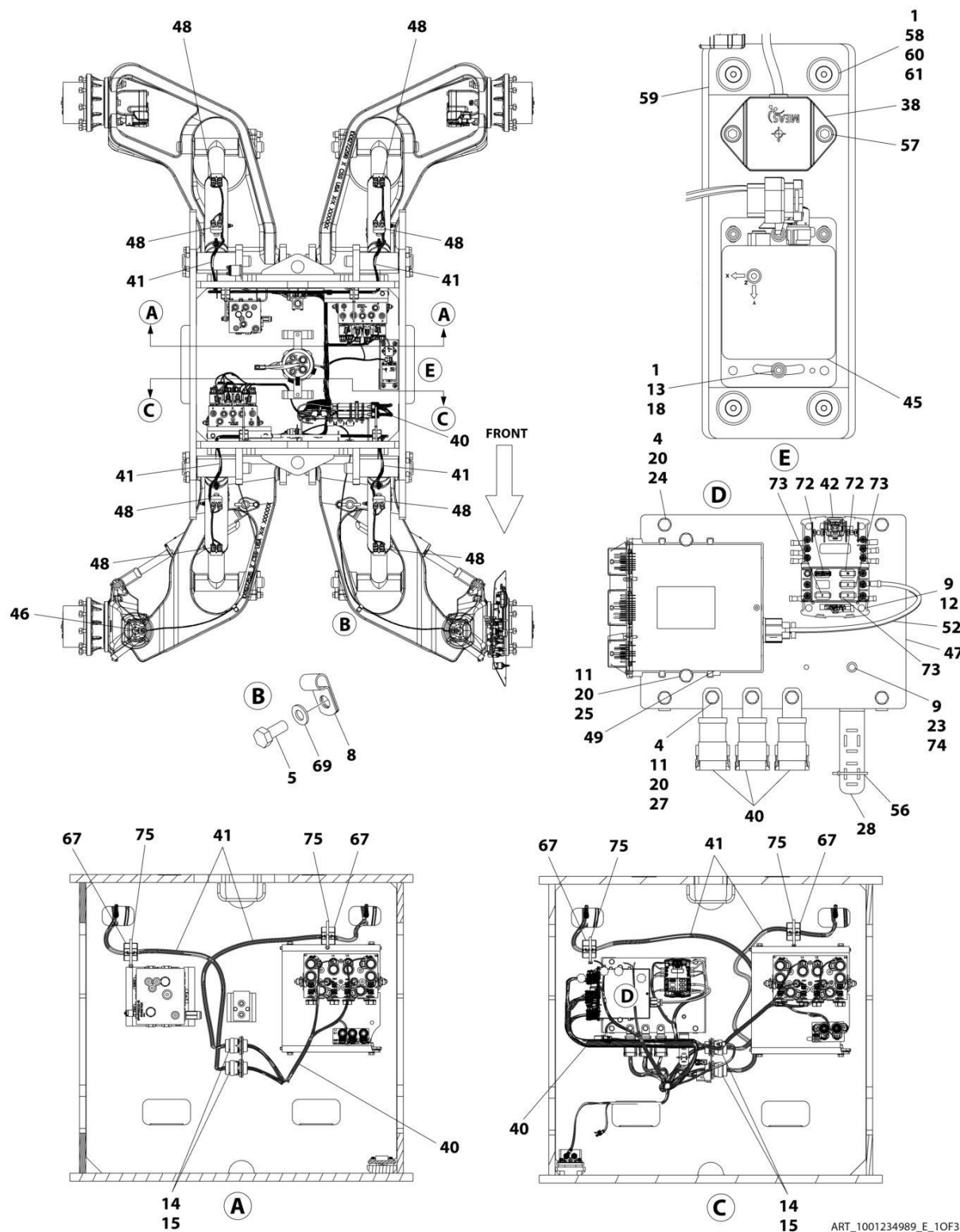
## SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION                                   | REV |
|------|-------------|-----|-----------------------------------------------|-----|
| 183  |             | Ref | Solenoids, Platform Valve                     |     |
| 184  |             | Ref | Cell, Load Sensing                            |     |
| 185  |             | Ref | Platform Work Light                           |     |
| 186  |             | Ref | Switch, Platform Flood Light                  |     |
| 187  |             | Ref | Platform Flood Light                          |     |
| 188  |             | Ref | Light, Platform Strobe                        |     |
| 189  |             | Ref | Switch, Generator                             |     |
| 190  |             | Ref | Junction Box                                  |     |
| 191  |             | Ref | AC Receptacle                                 |     |
| 192  |             | Ref | Welding Machine                               |     |
| 193  |             | Ref | AC Receptacle                                 |     |
| 194  |             | Ref | AC Receptacle                                 |     |
| 195  |             | Ref | AC Receptacle/Breaker Box                     |     |
| 196  |             | Ref | Switch, SkyGuard                              |     |
| 197  |             | Ref | Relay                                         |     |
| 198  |             | Ref | Sensor, SkyEye Receiver                       |     |
| 199  |             | Ref | Sensor, SkyEye Emitter                        |     |
| 200  |             | Ref | Sensor, SkyLine Proximity                     |     |
| 201  |             | Ref | Footswitch                                    |     |
| 202  |             | Ref | Switch, Horn                                  |     |
| 203  |             | Ref | Switch, SkyGuard Override                     |     |
| 204  |             | Ref | Switch, Function Speed Control                |     |
| 205  |             | Ref | Switch, Power/Emergency Stop                  |     |
| 206  |             | Ref | Switch, Platform Leveling Override            |     |
| 207  |             | Ref | Switch, Start/Auxilliary Power                |     |
| 208  |             | Ref | Switch, Boom Telescope                        |     |
| 209  |             | Ref | Switch, Jib Up/Down                           |     |
| 210  |             | Ref | Switch, Platform Rotate                       |     |
| 211  |             | Ref | Switch, Drive Orientation Override            |     |
| 212  |             | Ref | Switch, Drive Speed/ Torque Select            |     |
| 213  |             | Ref | Controller, Drive/Steer                       |     |
| 214  |             | Ref | Controller, Main Lift/Swing                   |     |
| 215  |             | Ref | Display, Platform                             |     |
| 216  |             | Ref | Light, SkyGaurd Indicator                     |     |
| 217  |             | Ref | Alarm                                         |     |
| 218  |             | Ref | Module, Platform                              |     |
| 219  |             | Ref | Sensor, Tilt                                  |     |
| 220  |             | Ref | Switch, Emergency Stop                        |     |
| 221  |             | Ref | Display, Ground                               |     |
| 222  |             | Ref | Switch, Turntable Swing                       |     |
| 223  |             | Ref | Switch, Boom Lift                             |     |
| 224  |             | Ref | Switch, Boom Telescope                        |     |
| 225  |             | Ref | Switch, Jib Up/Down                           |     |
| 226  |             | Ref | Switch, Platform Rotate                       |     |
| 227  |             | Ref | Switch, Platform Leveling Override            |     |
| 228  |             | Ref | Switch, Engine Start/ Auxiliary Power         |     |
| 229  |             | Ref | Indicator Panel                               |     |
| 230  |             | Ref | Switch, Key                                   |     |
| 231  |             | Ref | Switch, Machine Safety System Override (MSSO) |     |
| 232  |             | Ref | Light, ASOV                                   |     |



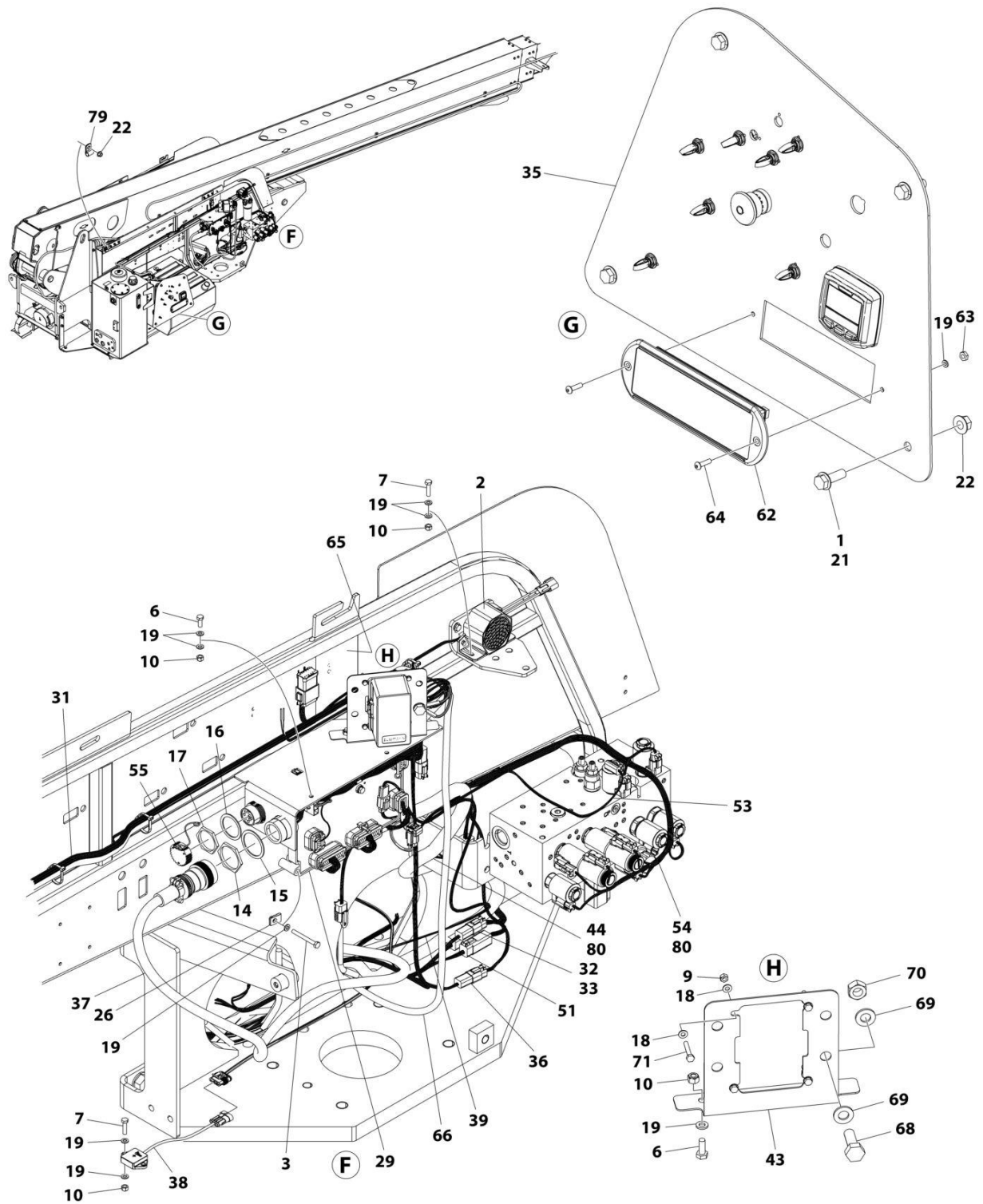
SECTION 8 - ELECTRICAL

FIGURE 8-2. ELECTRICAL INSTALLATION (DEUTZ D2011 & DEUTZ DT2.9L4 ENGINES) (Prior to SN 0300311240)



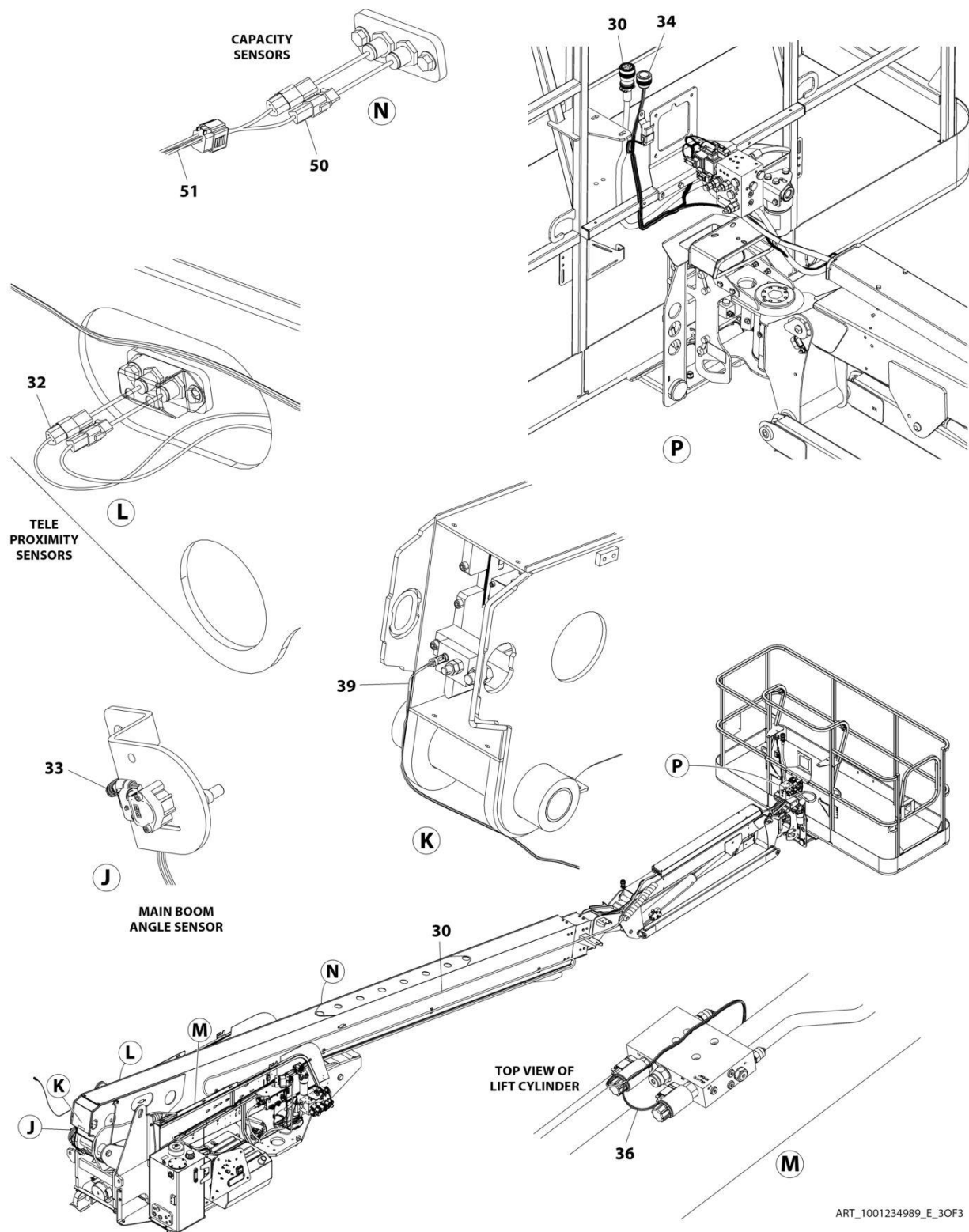
ART\_1001234989\_E\_10F3

## SECTION 8 - ELECTRICAL



ART\_1001234989\_E\_20F3

SECTION 8 - ELECTRICAL



ART\_1001234989\_E\_3OF3

## SECTION 8 - ELECTRICAL

**FIGURE 8-2. ELECTRICAL INSTALLATION (DEUTZ D2011 & DEUTZ DT2.9L4 ENGINES) (Prior to SN 0300311240)**

| ITEM | PART NUMBER | QTY  | DESCRIPTION                                                                 | REV |
|------|-------------|------|-----------------------------------------------------------------------------|-----|
|      | 1001234989  | Ref  | ELECTRICAL INSTALLATION                                                     | E   |
| 1    | 0100011     | AR   | Compound, Locking                                                           |     |
| 2    | 0140043     | 1    | Alarm                                                                       |     |
| 3    | 0700619     | 5    | Bolt M6 x 55                                                                |     |
| 4    | 0700812     | 7    | Bolt M8 x 25                                                                |     |
| 5    | 0701010     | 2    | Bolt M10 x 20                                                               |     |
| 6    | 0760608     | 3    | Bolt M6 x 16                                                                |     |
| 7    | 0760612     | 4    | Bolt M6 x 25                                                                |     |
| 8    | 1320263     | 2    | Clamp                                                                       |     |
| 9    | 3290405     | 9    | Nut M4                                                                      |     |
| 10   | 3290605     | 7    | Nut M6                                                                      |     |
| 11   | 3290805     | 5    | Nut M8                                                                      |     |
| 12   | 4010408     | 4    | Screw M4 x 16                                                               |     |
| 13   | 4031507     | 4    | Capscrew M4 x 16                                                            |     |
| 14   | 4460470     | 5    | Nut, Terminal                                                               |     |
| 15   | 4460471     | 5    | Washer, Terminal                                                            |     |
| 16   | 4460496     | 1    | Washer, Terminal                                                            |     |
| 17   | 4460497     | 1    | Nut, Terminal                                                               |     |
| 18   | 4811400     | 12   | Washer M4                                                                   |     |
| 19   | 4811700     | 19   | Washer M6                                                                   |     |
| 20   | 4811900     | 14   | Washer M8                                                                   |     |
| 21   | 5251014     | 4    | Bolt M10 x 30                                                               |     |
| 22   | 5261000     | 5    | Nut M10                                                                     |     |
| 23   | 1001101540  | 1 ft | Screw M4 x 14                                                               |     |
| 24   | 1001118274  | 4    | Nut, Terminal M8                                                            |     |
| 25   | 1001127624  | 2    | Bolt M8 x 95                                                                |     |
| 26   | 1001130220  | 5    | Nut, Terminal M6                                                            |     |
| 27   | 1001120328  | 6    | Mount                                                                       |     |
| 28   | 1001159162  | 1    | Bracket                                                                     |     |
| 29   | 1001187200  | 1    | Module, Ground Control (Note: Re-calibration Required when Replaced)        |     |
| 29   | 1001280340  | 1    | Module, Ground Control (Note: Re-calibration Required when Replaced)        |     |
| 30   | 1001188534  | 1    | Boom Cable - Upper (See Separate Breakdown in this Section)                 |     |
| 31   | 1001238408  | 1    | Ground Control Harness (See Separate Breakdown in this Section)             |     |
| 32   | 1001189003  | 1    | Tele Proximity Harness (See Separate Breakdown in this Section)             |     |
| 33   | 1001189005  | 1    | Boom Angle Sensor Harness (See Separate Breakdown in this Section)          |     |
| 34   | 1001264338  | 1    | Valve Harness - Platform (See Separate Breakdown in this Section)           |     |
| 35   | 1001250273  | 1    | Ground Control Panel Assembly (See Separate Breakdown in TURNTABLE Section) |     |
| 36   | 1001205923  | 1    | Lift Cylinder Harness (See Separate Breakdown in this Section)              |     |
| 37   | 1001206082  | 1    | Boom Cable - Lower (See Separate Breakdown in this Section)                 |     |
| 38   | 1001219601  | 2    | Sensor, Tilt                                                                |     |
| 39   | 1001227527  | 1    | Service Cable                                                               |     |
| 40   | 1001236347  | 1    | Chassis Harness (See Separate Breakdown in this Section)                    |     |
| 41   | 1001236349  | 4    | Axle Harness (See Separate Breakdown in this Section)                       |     |
| 42   | 1001236432  | 1    | Fuse Holder/Circuit Box                                                     |     |

## SECTION 8 - ELECTRICAL

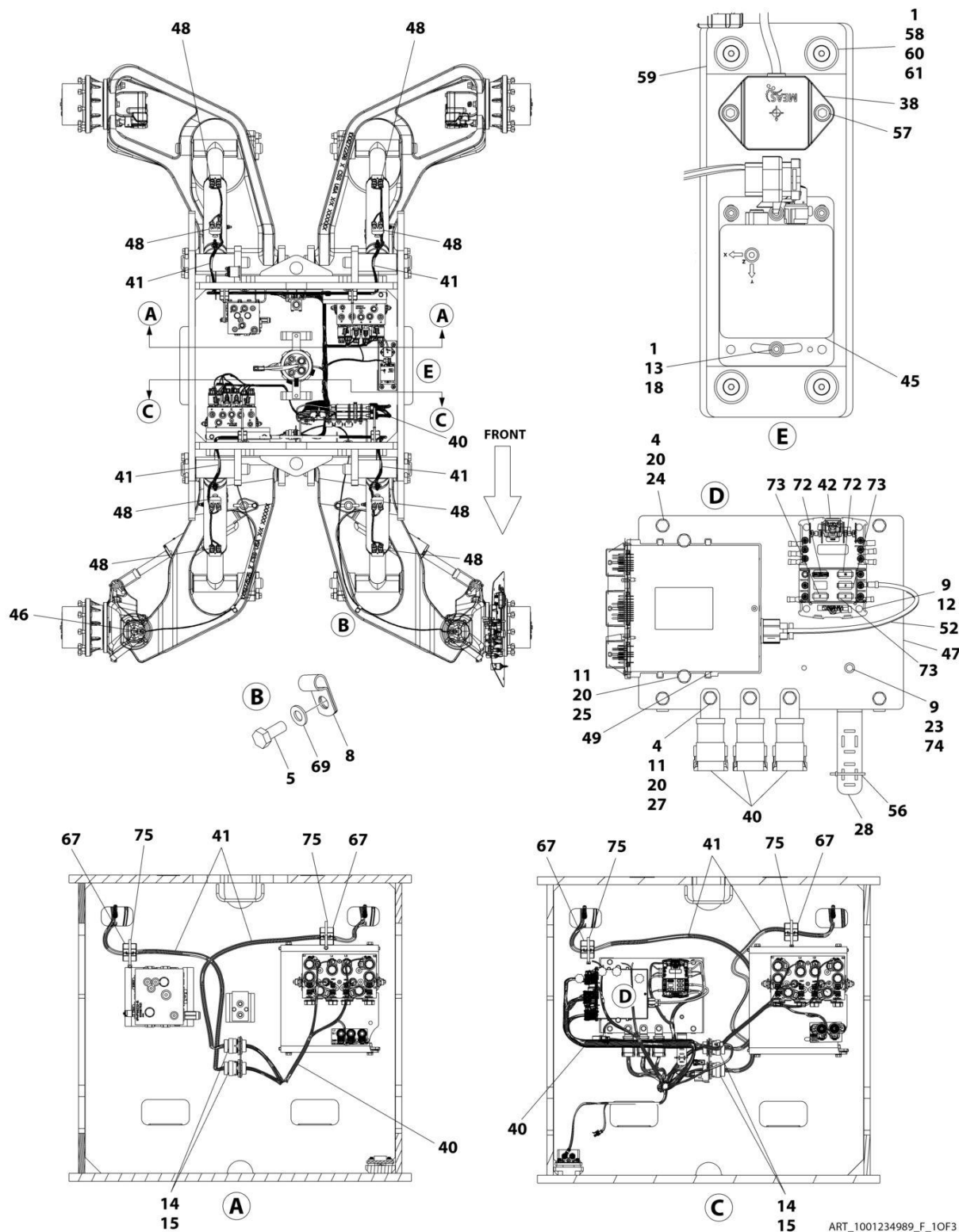
| ITEM | PART NUMBER | QTY | DESCRIPTION                                                           | REV |
|------|-------------|-----|-----------------------------------------------------------------------|-----|
| 43   | 1001237822  | 1   | Plate                                                                 |     |
| 44   | 1001282065  | 1   | Turntable Harness (See Separate Breakdown in this Section)            |     |
| 45   | 1001238623  | 1   | Sensor Inclinator                                                     |     |
| 46   | 1001239268  | 2   | Steer Harness (See Separate Breakdown in this Section)                |     |
| 47   | 1001239377  | 1   | Plate, Mounting                                                       |     |
| 48   | 1001239532  | 16  | Sensor, Pressure Transducer                                           |     |
| 49   | 1001239562  | 2   | Module, Frame Control (Note: Re-calibration Required when Replaced)   |     |
| 50   | 1001238191  | 1   | Capacity Proximity Harness (See Separate Breakdown in this Section)   |     |
| 51   | 1001242908  | 1   | Capacity Proximity Harness (See Separate Breakdown in this Section)   |     |
| 52   | 1001245838  | 2   | Module Pwr Harness                                                    |     |
| 53   | 1001248178  | 1   | Turntable Auxiliary Harness (See Separate Breakdown in this Section)  |     |
| 54   | 1001284773  | 1   | Valve Harness - Main Control (See Separate Breakdown in this Section) |     |
| 55   | 1001106736  | 1   | Cap, Dust                                                             |     |
| 56   | 4240099     | AR  | Tie-Strap (Not Shown)                                                 |     |
| 57   | 4031707     | 2   | Bolt M6 x 16                                                          |     |
| 58   | 4811702     | 4   | Washer M6                                                             |     |
| 59   | 1001254537  | 1   | Plate, Mounting                                                       |     |
| 60   | 1001254538  | 4   | Isolator                                                              |     |
| 61   | 1001254539  | 4   | Screw M5 x 20                                                         |     |
| 62   | 1001237546  | 1   | Light Panel Assembly (Includes Housing, Lens, Seal and PC Board)      |     |
| 63   | 3300408     | 2   | Nut                                                                   |     |
| 64   | 0630518     | 2   | Screw #10 x 3/4                                                       |     |
| 65   | 1001239512  | 1   | Decal - Fuse Box                                                      |     |
| 66   | 1001239290  | 1   | UGM Ground Cable                                                      |     |
| 67   | 1001261120  | 4   | Connector, Ferrite                                                    |     |
| 68   | 0761014     | 1   | Bolt M10 x 30                                                         |     |
| 69   | 4812000     | 4   | Washer M10                                                            |     |
| 70   | 3291001     | 1   | Nut M10                                                               |     |
| 71   | 0700412     | 4   | Bolt M4 x 25                                                          |     |
| 72   | 8229237     | 2   | Fuse 15Amp                                                            |     |
| 73   | 1001227788  | 3   | Fuse 2Amp                                                             |     |
| 74   | 1001091102  | 2   | Washer M4                                                             |     |
| 75   | 1062255     | 4   | Tie-Strap                                                             |     |
| 77   | 4240032     | AR  | Tie-Strap (Not Shown)                                                 |     |
| 78   | 4460234     | AR  | Mount, Cable Tie (Not Shown)                                          |     |
| 79   | 1001080996  | 1   | Clamp                                                                 |     |
| 80   | 0100048     | AR  | Compound, Locking                                                     |     |





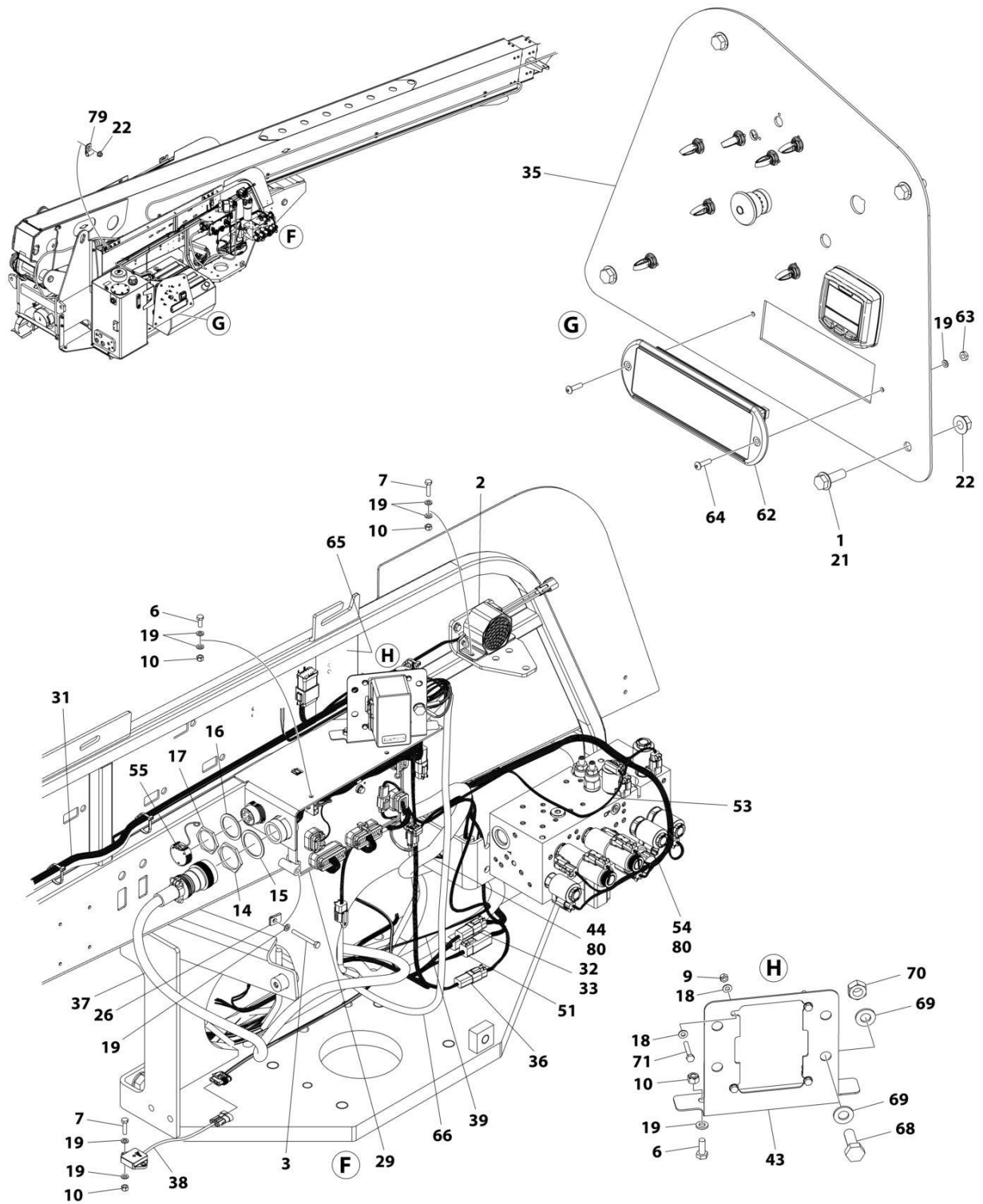
SECTION 8 - ELECTRICAL

FIGURE 8-3. ELECTRICAL INSTALLATION (DEUTZ D2011 & DEUTZ DT2.9L4 ENGINES) (SN 0300311240 to Present)



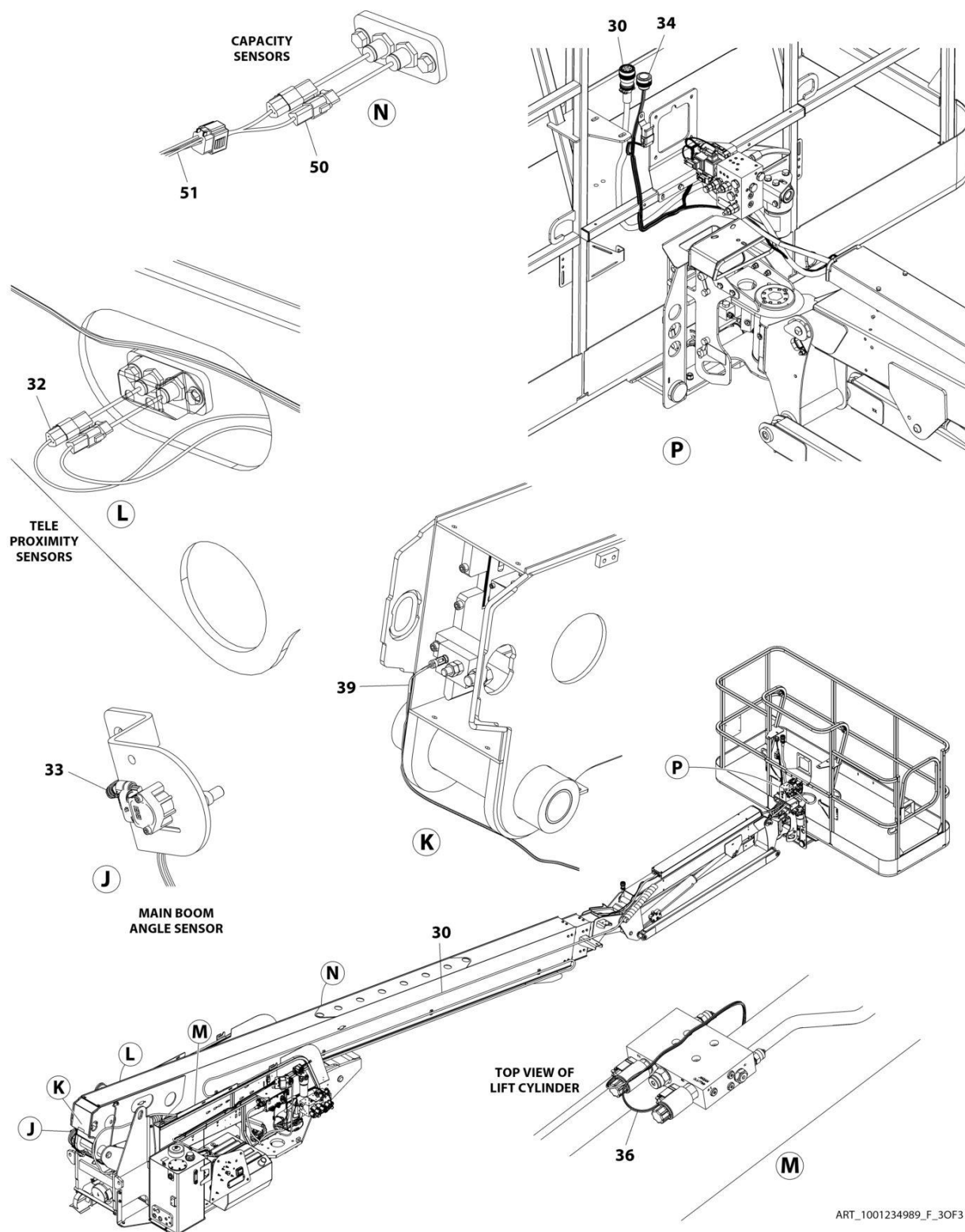
ART\_1001234989\_F\_10F3

## SECTION 8 - ELECTRICAL



ART\_1001234989\_F\_20F3

## SECTION 8 - ELECTRICAL



## SECTION 8 - ELECTRICAL

**FIGURE 8-3. ELECTRICAL INSTALLATION (DEUTZ D2011 & DEUTZ DT2.9L4 ENGINES) (SN 0300311240 to Present)**

| ITEM | PART NUMBER | QTY  | DESCRIPTION                                                                 | REV |
|------|-------------|------|-----------------------------------------------------------------------------|-----|
|      | 1001234989  | Ref  | ELECTRICAL INSTALLATION                                                     | F   |
| 1    | 0100011     | AR   | Compound, Locking                                                           |     |
| 2    | 0140043     | 1    | Alarm                                                                       |     |
| 3    | 0700619     | 5    | Bolt M6 x 55                                                                |     |
| 4    | 0700812     | 7    | Bolt M8 x 25                                                                |     |
| 5    | 0701010     | 2    | Bolt M10 x 20                                                               |     |
| 6    | 0760608     | 3    | Bolt M6 x 16                                                                |     |
| 7    | 0760612     | 4    | Bolt M6 x 25                                                                |     |
| 8    | 1320263     | 2    | Clamp                                                                       |     |
| 9    | 3290405     | 9    | Nut M4                                                                      |     |
| 10   | 3290605     | 7    | Nut M6                                                                      |     |
| 11   | 3290805     | 5    | Nut M8                                                                      |     |
| 12   | 4010408     | 4    | Screw M4 x 16                                                               |     |
| 13   | 4031507     | 4    | Capscrew M4 x 16                                                            |     |
| 14   | 4460470     | 5    | Nut, Terminal                                                               |     |
| 15   | 4460471     | 5    | Washer, Terminal                                                            |     |
| 16   | 4460496     | 1    | Washer, Terminal                                                            |     |
| 17   | 4460497     | 1    | Nut, Terminal                                                               |     |
| 18   | 4811400     | 12   | Washer M4                                                                   |     |
| 19   | 4811700     | 19   | Washer M6                                                                   |     |
| 20   | 4811900     | 14   | Washer M8                                                                   |     |
| 21   | 5251014     | 4    | Bolt M10 x 30                                                               |     |
| 22   | 5261000     | 5    | Nut M10                                                                     |     |
| 23   | 1001101540  | 1 ft | Screw M4 x 14                                                               |     |
| 24   | 1001118274  | 4    | Nut, Terminal M8                                                            |     |
| 25   | 1001127624  | 2    | Bolt M8 x 95                                                                |     |
| 26   | 1001130220  | 5    | Nut, Terminal M6                                                            |     |
| 27   | 1001120328  | 6    | Mount                                                                       |     |
| 28   | 1001159162  | 1    | Bracket                                                                     |     |
| 29   | 1001187200  | 1    | Module, Ground Control (Note: Re-calibration Required when Replaced)        |     |
| 29   | 1001280340  | 1    | Module, Ground Control (Note: Re-calibration Required when Replaced)        |     |
| 30   | 1001188534  | 1    | Boom Cable - Upper (See Separate Breakdown in this Section)                 |     |
| 31   | 1001238408  | 1    | Ground Control Harness (See Separate Breakdown in this Section)             |     |
| 32   | 1001189003  | 1    | Tele Proximity Harness (See Separate Breakdown in this Section)             |     |
| 33   | 1001189005  | 1    | Boom Angle Sensor Harness (See Separate Breakdown in this Section)          |     |
| 34   | 1001264338  | 1    | Valve Harness - Platform (See Separate Breakdown in this Section)           |     |
| 35   | 1001250273  | 1    | Ground Control Panel Assembly (See Separate Breakdown in TURNTABLE Section) |     |
| 36   | 1001205923  | 1    | Lift Cylinder Harness (See Separate Breakdown in this Section)              |     |
| 37   | 1001206082  | 1    | Boom Cable - Lower (See Separate Breakdown in this Section)                 |     |
| 38   | 1001219601  | 2    | Sensor, Tilt                                                                |     |
| 39   | 1001227527  | 1    | Service Cable                                                               |     |
| 40   | 1001236347  | 1    | Chassis Harness (See Separate Breakdown in this Section)                    |     |
| 41   | 1001236349  | 4    | Axle Harness (See Separate Breakdown in this Section)                       |     |
| 42   | 1001236432  | 1    | Fuse Holder/Circuit Box                                                     |     |

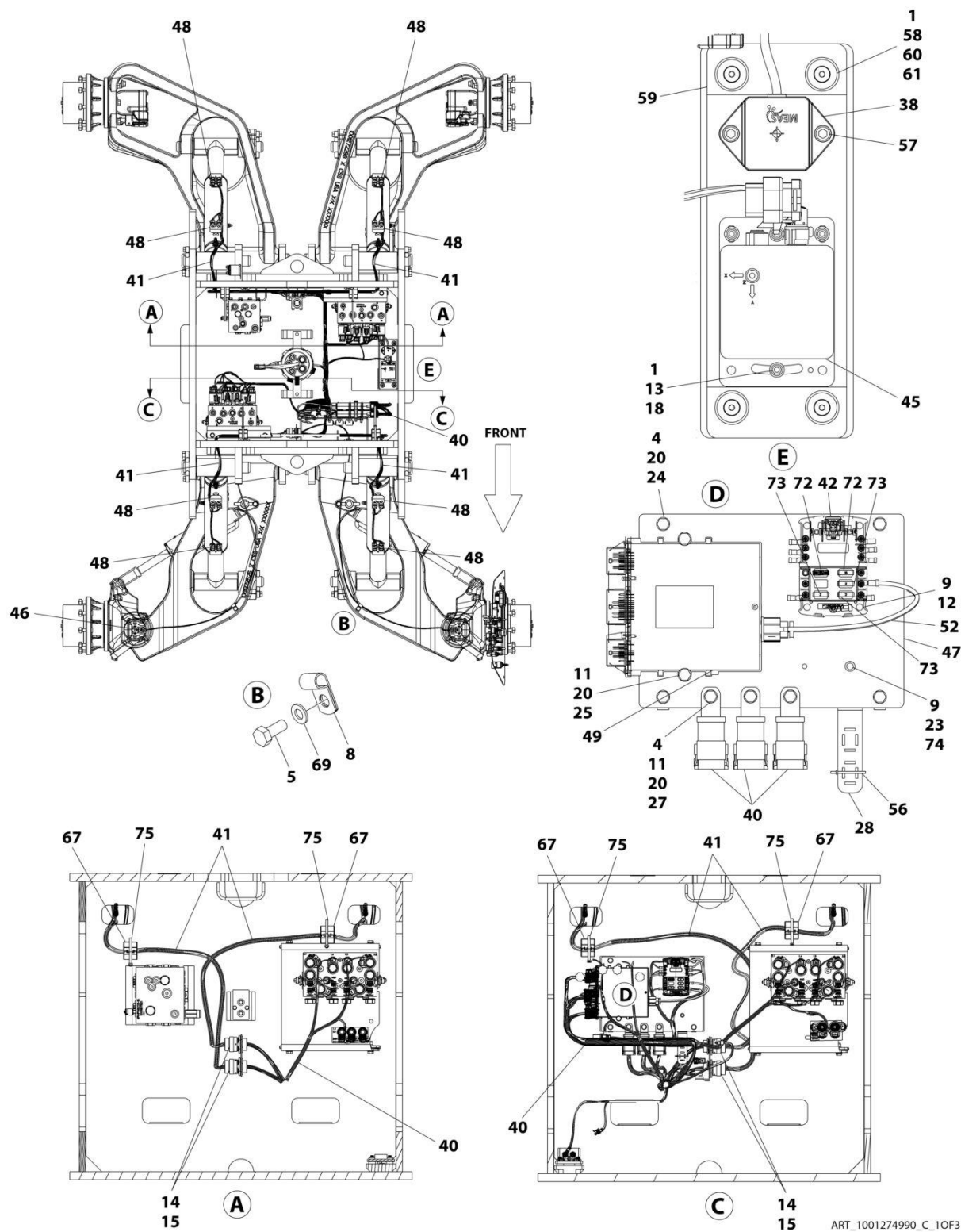
## SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                           | REV |
|------|-------------|-----|-----------------------------------------------------------------------|-----|
| 43   | 1001237822  | 1   | Plate                                                                 |     |
| 44   | 1001282065  | 1   | Turntable Harness (See Separate Breakdown in this Section)            |     |
| 45   | 1001238623  | 1   | Sensor Inclinator                                                     |     |
| 46   | 1001239268  | 2   | Steer Harness (See Separate Breakdown in this Section)                |     |
| 47   | 1001239377  | 1   | Plate, Mounting                                                       |     |
| 48   | 1001239532  | 16  | Sensor, Pressure Transducer                                           |     |
| 49   | 1001239562  | 2   | Module, Frame Control (Note: Re-calibration Required when Replaced)   |     |
| 50   | 1001238191  | 1   | Capacity Proximity Harness (See Separate Breakdown in this Section)   |     |
| 51   | 1001242908  | 1   | Capacity Proximity Harness (See Separate Breakdown in this Section)   |     |
| 52   | 1001245838  | 2   | Module Pwr Harness                                                    |     |
| 53   | 1001248178  | 1   | Turntable Auxiliary Harness (See Separate Breakdown in this Section)  |     |
| 54   | 1001284773  | 1   | Valve Harness - Main Control (See Separate Breakdown in this Section) |     |
| 55   | 1001106736  | 1   | Cap, Dust                                                             |     |
| 56   | 4240099     | AR  | Tie-Strap (Not Shown)                                                 |     |
| 57   | 4031707     | 2   | Bolt M6 x 16                                                          |     |
| 58   | 1001307537  | 8   | Washer M6                                                             |     |
| 59   | 1001307536  | 1   | Plate, Mounting                                                       |     |
| 60   | 1001307535  | 4   | Isolator                                                              |     |
| 61   | 1001307538  | 4   | Screw M5 x 20                                                         |     |
| 62   | 1001237546  | 1   | Light Panel Assembly (Includes Housing, Lens, Seal and PC Board)      |     |
| 63   | 3300408     | 2   | Nut                                                                   |     |
| 64   | 0630518     | 2   | Screw #10 x 3/4                                                       |     |
| 65   | 1001239512  | 1   | Decal - Fuse Box                                                      |     |
| 66   | 1001239290  | 1   | UGM Ground Cable                                                      |     |
| 67   | 1001261120  | 4   | Connector, Ferrite                                                    |     |
| 68   | 0761014     | 1   | Bolt M10 x 30                                                         |     |
| 69   | 4812000     | 4   | Washer M10                                                            |     |
| 70   | 3291001     | 1   | Nut M10                                                               |     |
| 71   | 0700412     | 4   | Bolt M4 x 25                                                          |     |
| 72   | 8229237     | 2   | Fuse 15Amp                                                            |     |
| 73   | 1001227788  | 3   | Fuse 2Amp                                                             |     |
| 74   | 1001091102  | 2   | Washer M4                                                             |     |
| 75   | 1062255     | 4   | Tie-Strap                                                             |     |
| 77   | 4240032     | AR  | Tie-Strap (Not Shown)                                                 |     |
| 78   | 4460234     | AR  | Mount, Cable Tie (Not Shown)                                          |     |
| 79   | 1001080996  | 1   | Clamp                                                                 |     |
| 80   | 0100048     | AR  | Compound, Locking                                                     |     |



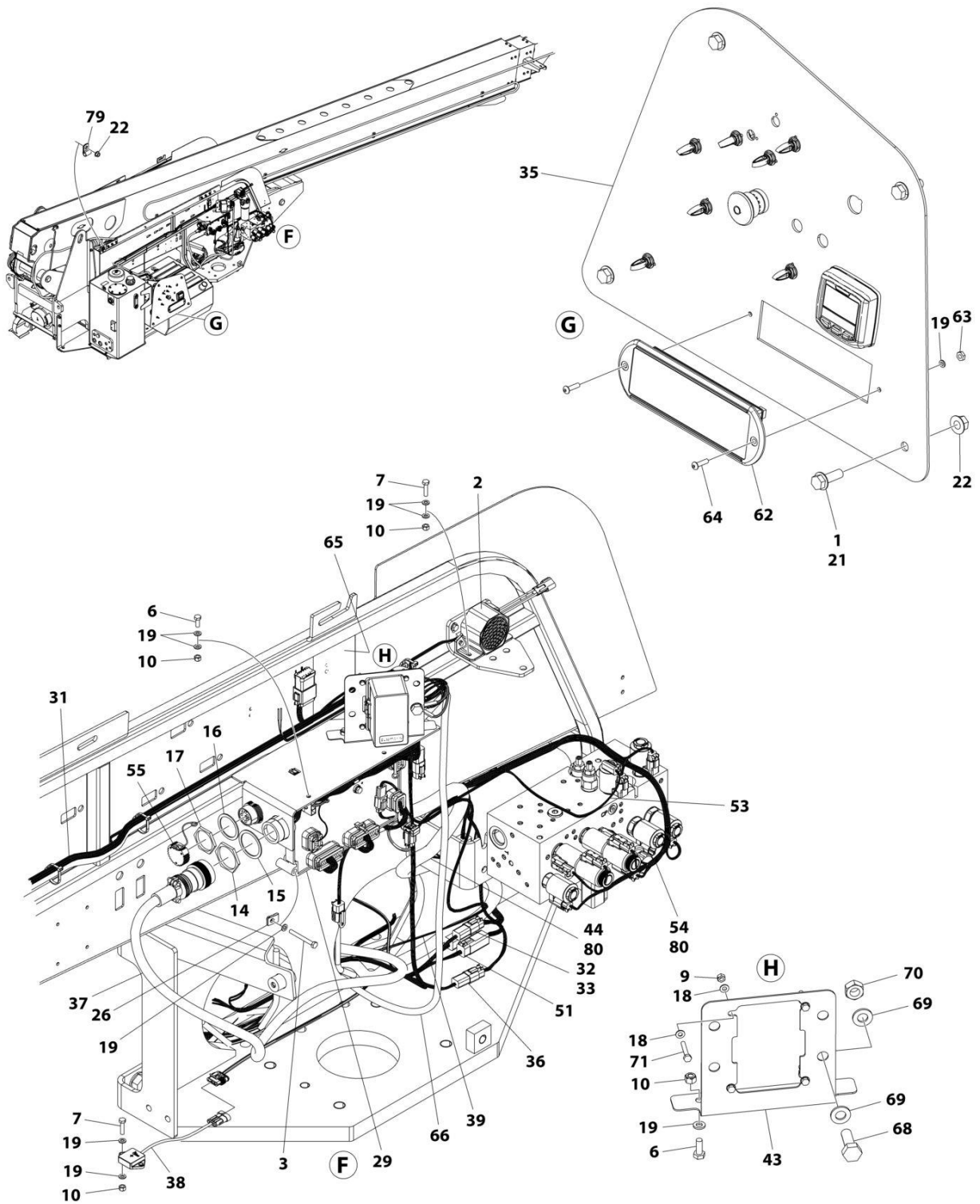
SECTION 8 - ELECTRICAL

FIGURE 8-4. ELECTRICAL INSTALLATION (DEUTZ DT2.2L3 - STAGE V ENGINES) (Prior to SN 0300311240)



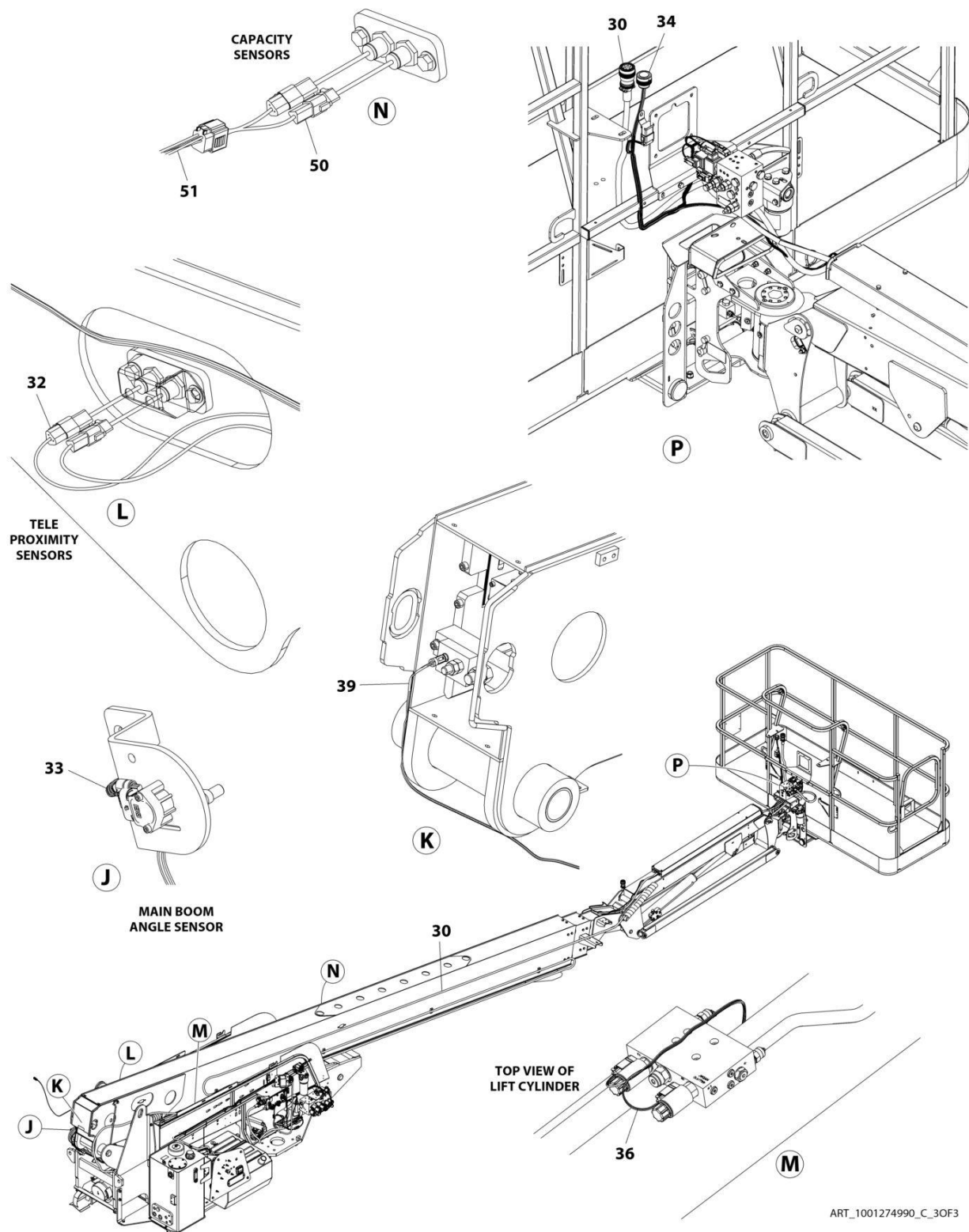


## SECTION 8 - ELECTRICAL



ART\_1001274990\_C\_20F3

SECTION 8 - ELECTRICAL



ART\_1001274990\_C\_30F3

## SECTION 8 - ELECTRICAL

**FIGURE 8-4. ELECTRICAL INSTALLATION (DEUTZ DT2.2L3 - STAGE V ENGINES) (Prior to SN 0300311240)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                 | REV |
|------|-------------|-----|-----------------------------------------------------------------------------|-----|
|      | 1001274990  | Ref | ELECTRICAL INSTALLATION                                                     | C   |
| 1    | 0100011     | AR  | Compound, Locking                                                           |     |
| 2    | 0140043     | 1   | Alarm                                                                       |     |
| 3    | 0700619     | 5   | Bolt M6 x 55                                                                |     |
| 4    | 0700812     | 7   | Bolt M8 x 25                                                                |     |
| 5    | 0701010     | 2   | Bolt M10 x 20                                                               |     |
| 6    | 0760608     | 3   | Bolt M6 x 16                                                                |     |
| 7    | 0760612     | 4   | Bolt M6 x 25                                                                |     |
| 8    | 1320263     | 2   | Clamp                                                                       |     |
| 9    | 3290405     | 9   | Nut M4                                                                      |     |
| 10   | 3290605     | 7   | Nut M6                                                                      |     |
| 11   | 3290805     | 5   | Nut M8                                                                      |     |
| 12   | 4010408     | 4   | Screw M4 x 16                                                               |     |
| 13   | 4031507     | 4   | Capscrew M4 x 16                                                            |     |
| 14   | 4460470     | 5   | Nut, Terminal                                                               |     |
| 15   | 4460471     | 5   | Washer, Terminal                                                            |     |
| 16   | 4460496     | 1   | Washer, Terminal                                                            |     |
| 17   | 4460497     | 1   | Nut, Terminal                                                               |     |
| 18   | 4811400     | 12  | Washer M4                                                                   |     |
| 19   | 4811700     | 19  | Washer M6                                                                   |     |
| 20   | 4811900     | 14  | Washer M8                                                                   |     |
| 21   | 5251014     | 4   | Bolt M10 x 30                                                               |     |
| 22   | 5261000     | 5   | Nut M10                                                                     |     |
| 23   | 1001101540  | 1   | Screw M4 x 14                                                               |     |
| 24   | 1001118274  | 4   | Nut, Terminal M8                                                            |     |
| 25   | 1001127624  | 2   | Bolt M8 x 95                                                                |     |
| 26   | 1001130220  | 5   | Nut, Terminal M6                                                            |     |
| 27   | 1001120328  | 6   | Mount                                                                       |     |
| 28   | 1001159162  | 1   | Bracket                                                                     |     |
| 29   | 1001187200  | 1   | Module, Ground Control (Note: Re-calibration Required when Replaced)        |     |
| 29   | 1001280340  | 1   | Module, Ground Control (Note: Re-calibration Required when Replaced)        |     |
| 30   | 1001188534  | 1   | Boom Cable - Upper (See Separate Breakdown in this Section)                 |     |
| 31   | 1001238408  | 1   | Ground Control Harness (See Separate Breakdown in this Section)             |     |
| 32   | 1001189003  | 1   | Tele Proximity Harness (See Separate Breakdown in this Section)             |     |
| 33   | 1001189005  | 1   | Boom Angle Sensor Harness (See Separate Breakdown in this Section)          |     |
| 34   | 1001264338  | 1   | Valve Harness - Platform (See Separate Breakdown in this Section)           |     |
| 35   | 1001245775  | 1   | Ground Control Panel Assembly (See Separate Breakdown in TURNTABLE Section) |     |
| 36   | 1001205923  | 1   | Lift Cylinder Harness (See Separate Breakdown in this Section)              |     |
| 37   | 1001206082  | 1   | Boom Cable - Lower (See Separate Breakdown in this Section)                 |     |
| 38   | 1001219601  | 2   | Sensor, Tilt                                                                |     |
| 39   | 1001227527  | 1   | Service Cable                                                               |     |
| 40   | 1001236347  | 1   | Chassis Harness (See Separate Breakdown in this Section)                    |     |
| 41   | 1001236349  | 4   | Axle Harness (See Separate Breakdown in this Section)                       |     |
| 42   | 1001236432  | 1   | Fuse Holder/Circuit Box                                                     |     |

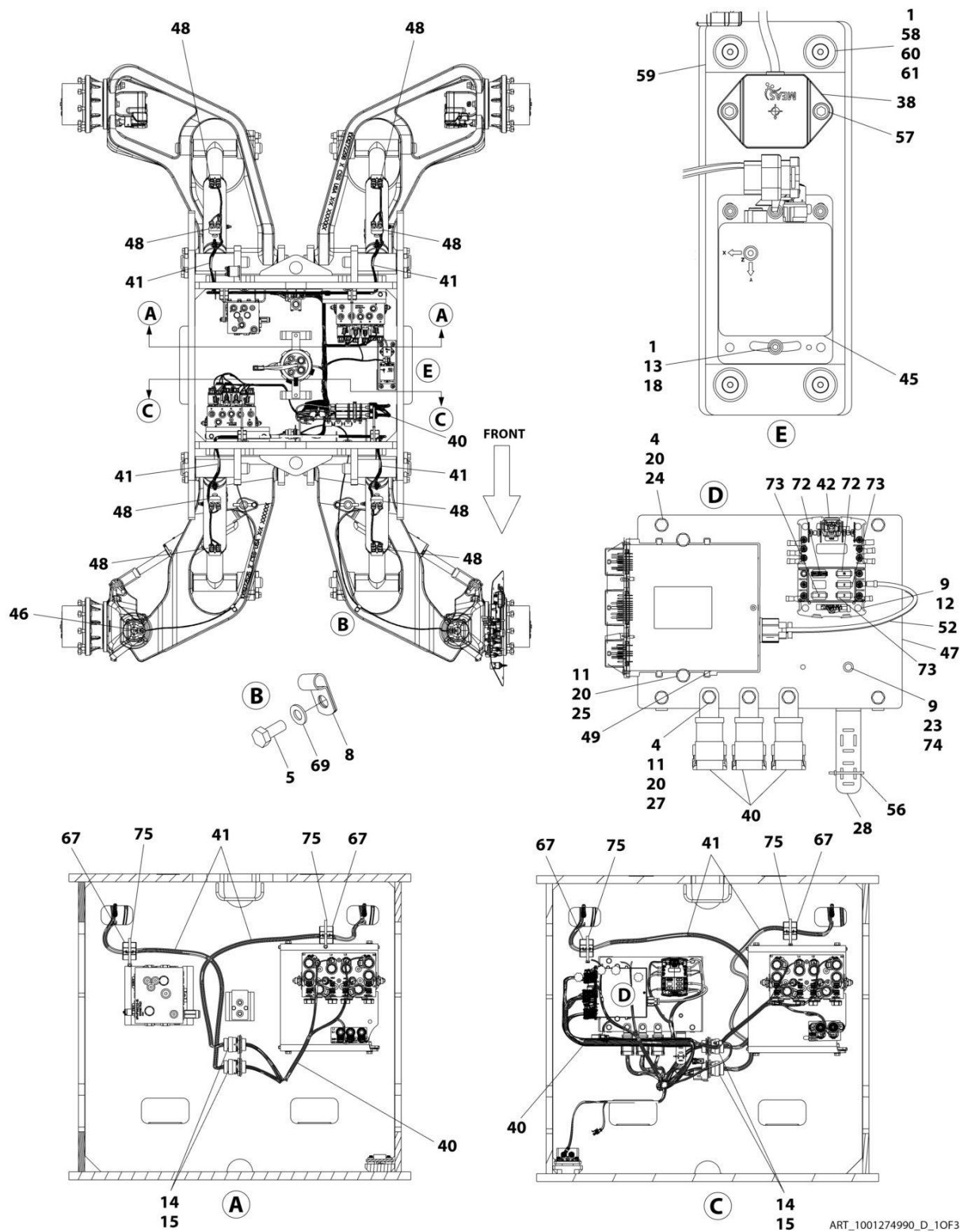
## SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                           | REV |
|------|-------------|-----|-----------------------------------------------------------------------|-----|
| 43   | 1001237822  | 1   | Plate                                                                 |     |
| 44   | 1001282065  | 1   | Turntable Harness (See Separate Breakdown in this Section)            |     |
| 45   | 1001238623  | 1   | Sensor Inclinator                                                     |     |
| 46   | 1001239268  | 2   | Steer Harness (See Separate Breakdown in this Section)                |     |
| 47   | 1001239377  | 1   | Plate, Mounting                                                       |     |
| 48   | 1001239532  | 16  | Sensor, Pressure Transducer                                           |     |
| 49   | 1001239562  | 2   | Module, Frame Control (Note: Re-calibration Required when Replaced)   |     |
| 50   | 1001238191  | 1   | Capacity Proximity Harness (See Separate Breakdown in this Section)   |     |
| 51   | 1001242908  | 1   | Capacity Proximity Harness (See Separate Breakdown in this Section)   |     |
| 52   | 1001245838  | 2   | Module Pwr Harness                                                    |     |
| 53   | 1001248178  | 1   | Turntable Auxiliary Harness (See Separate Breakdown in this Section)  |     |
| 54   | 1001284773  | 1   | Valve Harness - Main Control (See Separate Breakdown in this Section) |     |
| 55   | 1001106736  | 1   | Cap, Dust                                                             |     |
| 56   | 4240099     | AR  | Tie-Strap (Not Shown)                                                 |     |
| 57   | 4031707     | 2   | Bolt M6 x 16                                                          |     |
| 58   | 4811702     | 4   | Washer M6                                                             |     |
| 59   | 1001254537  | 1   | Plate, Mounting                                                       |     |
| 60   | 1001254538  | 4   | Isolator                                                              |     |
| 61   | 1001254539  | 4   | Screw M5 x 20                                                         |     |
| 62   | 1001237546  | 1   | Light Panel Assembly (Includes Housing, Lens, Seal and PC Board)      |     |
| 63   | 3300408     | 2   | Nut                                                                   |     |
| 64   | 0630518     | 2   | Screw #10 x 3/4                                                       |     |
| 65   | 1001239512  | 1   | Decal - Fuse Box                                                      |     |
| 66   | 1001239290  | 1   | UGM Ground Cable                                                      |     |
| 67   | 1001261120  | 4   | Connector, Ferrite                                                    |     |
| 68   | 0761014     | 1   | Bolt M10 x 30                                                         |     |
| 69   | 4812000     | 4   | Washer M10                                                            |     |
| 70   | 3291001     | 1   | Nut M10                                                               |     |
| 71   | 0700412     | 4   | Bolt M4 x 25                                                          |     |
| 72   | 8229237     | 2   | Fuse 15Amp                                                            |     |
| 73   | 1001227788  | 3   | Fuse 2Amp                                                             |     |
| 74   | 1001091102  | 2   | Washer M4                                                             |     |
| 75   | 1062255     | 4   | Tie-Strap                                                             |     |
| 77   | 4240032     | AR  | Tie-Strap (Not Shown)                                                 |     |
| 78   | 4460234     | AR  | Mount, Cable Tie (Not Shown)                                          |     |
| 79   | 1001080996  | 1   | Clamp                                                                 |     |
| 80   | 0100048     | AR  | Compound, Locking                                                     |     |

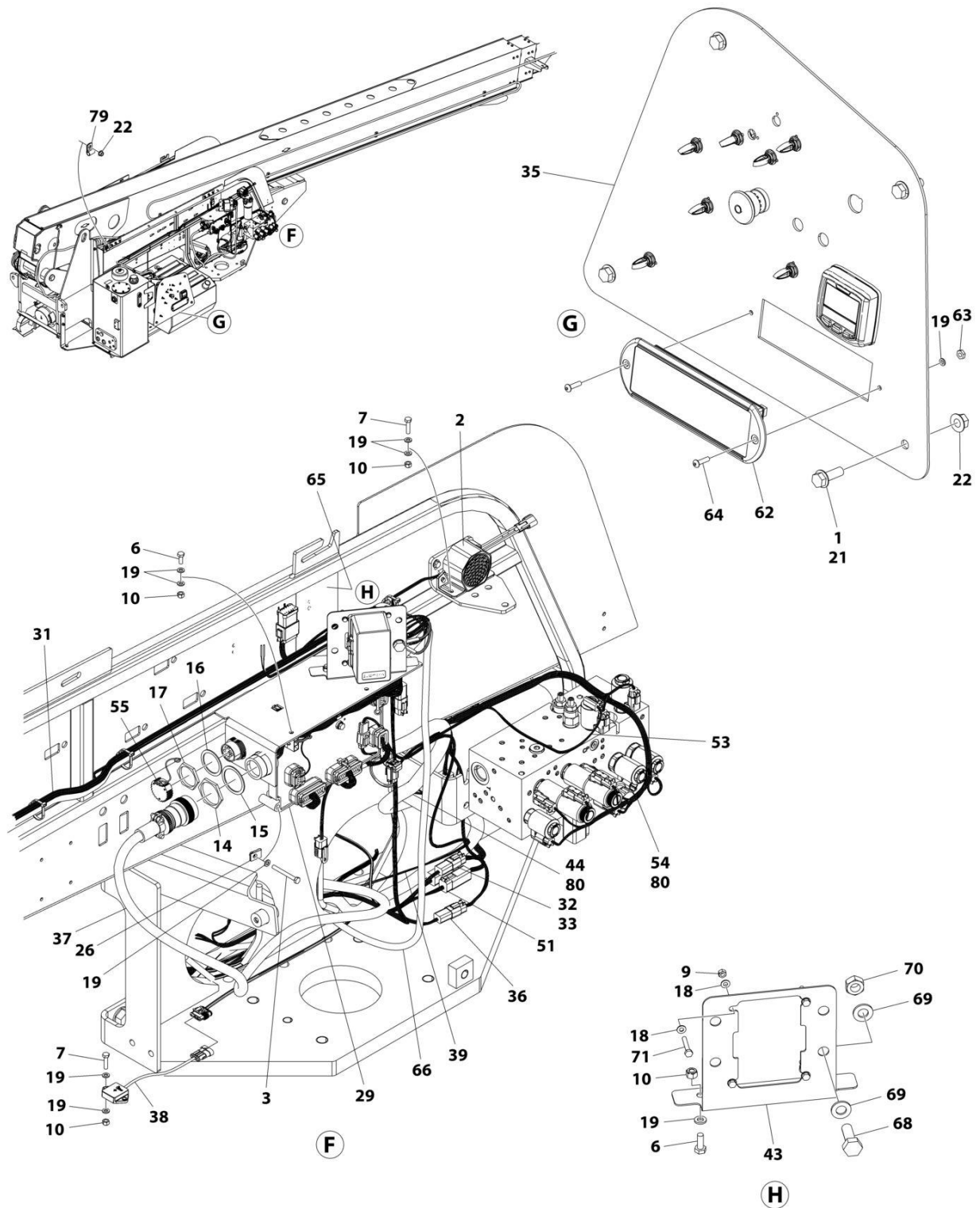


SECTION 8 - ELECTRICAL

FIGURE 8-5. ELECTRICAL INSTALLATION (DEUTZ DT2.2L3 - STAGE V ENGINES) (SN 0300311240 to Present)

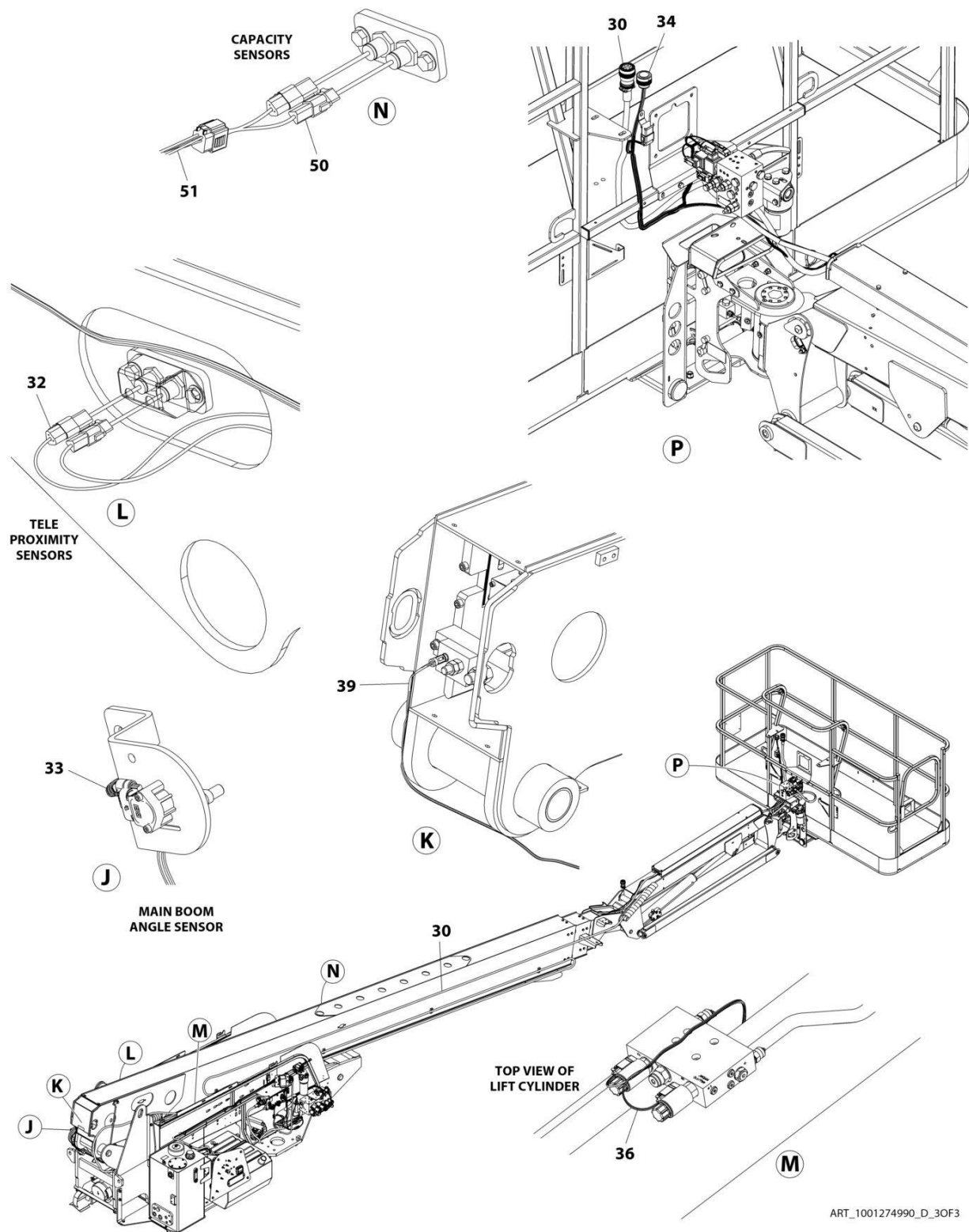


## SECTION 8 - ELECTRICAL



ART\_1001274990\_D\_20F3

SECTION 8 - ELECTRICAL



ART\_1001274990\_D\_30F3



## SECTION 8 - ELECTRICAL

**FIGURE 8-5. ELECTRICAL INSTALLATION (DEUTZ DT2.2L3 - STAGE V ENGINES) (SN 0300311240 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                 | REV |
|------|-------------|-----|-----------------------------------------------------------------------------|-----|
|      | 1001274990  | Ref | ELECTRICAL INSTALLATION                                                     | D   |
| 1    | 0100011     | AR  | Compound, Locking                                                           |     |
| 2    | 0140043     | 1   | Alarm                                                                       |     |
| 3    | 0700619     | 5   | Bolt M6 x 55                                                                |     |
| 4    | 0700812     | 7   | Bolt M8 x 25                                                                |     |
| 5    | 0701010     | 2   | Bolt M10 x 20                                                               |     |
| 6    | 0760608     | 3   | Bolt M6 x 16                                                                |     |
| 7    | 0760612     | 4   | Bolt M6 x 25                                                                |     |
| 8    | 1320263     | 2   | Clamp                                                                       |     |
| 9    | 3290405     | 9   | Nut M4                                                                      |     |
| 10   | 3290605     | 7   | Nut M6                                                                      |     |
| 11   | 3290805     | 5   | Nut M8                                                                      |     |
| 12   | 4010408     | 4   | Screw M4 x 16                                                               |     |
| 13   | 4031507     | 4   | Capscrew M4 x 16                                                            |     |
| 14   | 4460470     | 5   | Nut, Terminal                                                               |     |
| 15   | 4460471     | 5   | Washer, Terminal                                                            |     |
| 16   | 4460496     | 1   | Washer, Terminal                                                            |     |
| 17   | 4460497     | 1   | Nut, Terminal                                                               |     |
| 18   | 4811400     | 12  | Washer M4                                                                   |     |
| 19   | 4811700     | 19  | Washer M6                                                                   |     |
| 20   | 4811900     | 14  | Washer M8                                                                   |     |
| 21   | 5251014     | 4   | Bolt M10 x 30                                                               |     |
| 22   | 5261000     | 5   | Nut M10                                                                     |     |
| 23   | 1001101540  | 1   | Screw M4 x 14                                                               |     |
| 24   | 1001118274  | 4   | Nut, Terminal M8                                                            |     |
| 25   | 1001127624  | 2   | Bolt M8 x 95                                                                |     |
| 26   | 1001130220  | 5   | Nut, Terminal M6                                                            |     |
| 27   | 1001120328  | 6   | Mount                                                                       |     |
| 28   | 1001159162  | 1   | Bracket                                                                     |     |
| 29   | 1001187200  | 1   | Module, Ground Control (Note: Re-calibration Required when Replaced)        |     |
| 29   | 1001280340  | 1   | Module, Ground Control (Note: Re-calibration Required when Replaced)        |     |
| 30   | 1001188534  | 1   | Boom Cable - Upper (See Separate Breakdown in this Section)                 |     |
| 31   | 1001238408  | 1   | Ground Control Harness (See Separate Breakdown in this Section)             |     |
| 32   | 1001189003  | 1   | Tele Proximity Harness (See Separate Breakdown in this Section)             |     |
| 33   | 1001189005  | 1   | Boom Angle Sensor Harness (See Separate Breakdown in this Section)          |     |
| 34   | 1001264338  | 1   | Valve Harness - Platform (See Separate Breakdown in this Section)           |     |
| 35   | 1001245775  | 1   | Ground Control Panel Assembly (See Separate Breakdown in TURNTABLE Section) |     |
| 36   | 1001205923  | 1   | Lift Cylinder Harness (See Separate Breakdown in this Section)              |     |
| 37   | 1001206082  | 1   | Boom Cable - Lower (See Separate Breakdown in this Section)                 |     |
| 38   | 1001219601  | 2   | Sensor, Tilt                                                                |     |
| 39   | 1001227527  | 1   | Service Cable                                                               |     |
| 40   | 1001236347  | 1   | Chassis Harness (See Separate Breakdown in this Section)                    |     |
| 41   | 1001236349  | 4   | Axle Harness (See Separate Breakdown in this Section)                       |     |
| 42   | 1001236432  | 1   | Fuse Holder/Circuit Box                                                     |     |

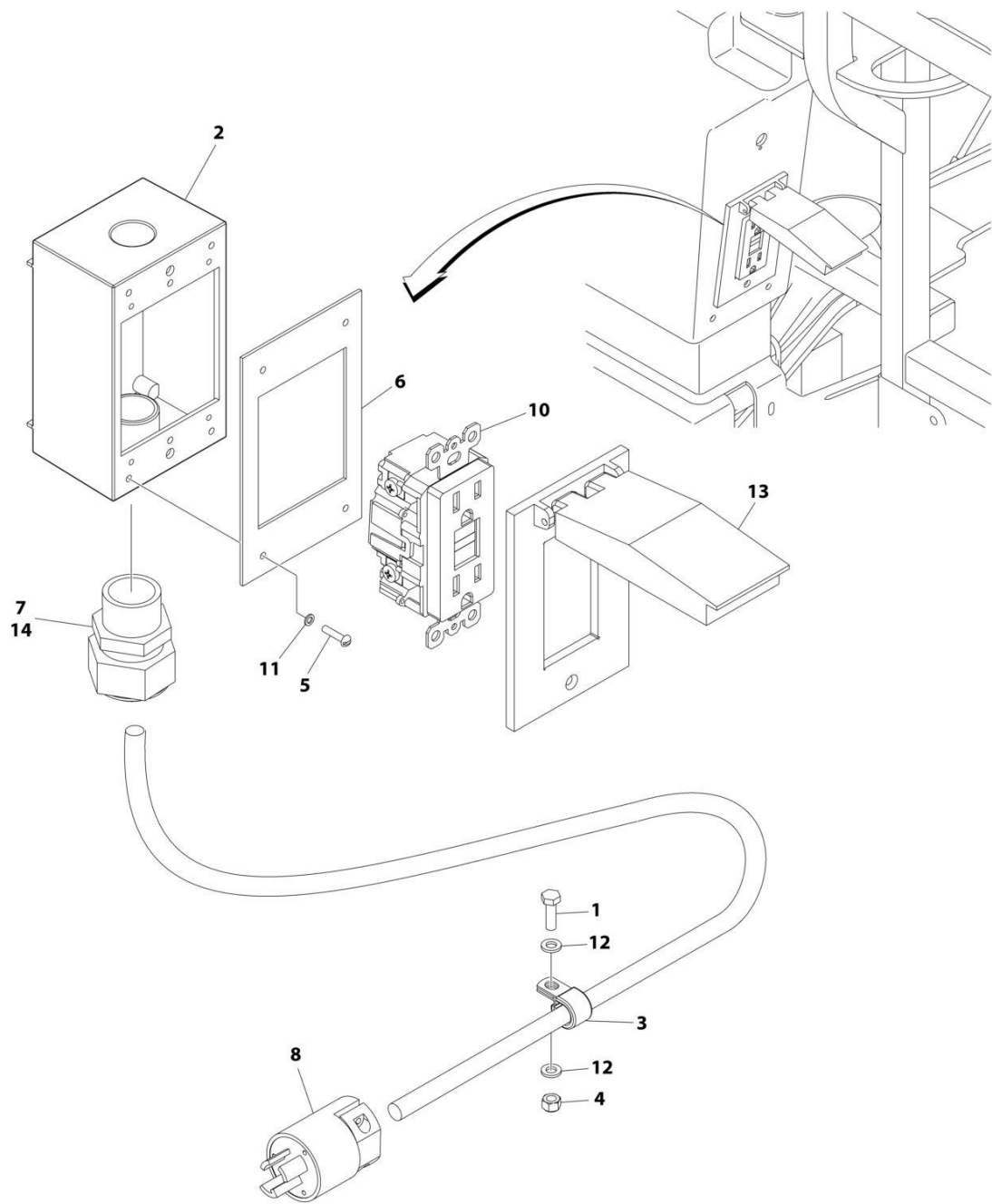
## SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                           | REV |
|------|-------------|-----|-----------------------------------------------------------------------|-----|
| 43   | 1001237822  | 1   | Plate                                                                 |     |
| 44   | 1001282065  | 1   | Turntable Harness (See Separate Breakdown in this Section)            |     |
| 45   | 1001238623  | 1   | Sensor Inclinator                                                     |     |
| 46   | 1001239268  | 2   | Steer Harness (See Separate Breakdown in this Section)                |     |
| 47   | 1001239377  | 1   | Plate, Mounting                                                       |     |
| 48   | 1001239532  | 16  | Sensor, Pressure Transducer                                           |     |
| 49   | 1001239562  | 2   | Module, Frame Control (Note: Re-calibration Required when Replaced)   |     |
| 50   | 1001238191  | 1   | Capacity Proximity Harness (See Separate Breakdown in this Section)   |     |
| 51   | 1001242908  | 1   | Capacity Proximity Harness (See Separate Breakdown in this Section)   |     |
| 52   | 1001245838  | 2   | Module Pwr Harness                                                    |     |
| 53   | 1001248178  | 1   | Turntable Auxiliary Harness (See Separate Breakdown in this Section)  |     |
| 54   | 1001284773  | 1   | Valve Harness - Main Control (See Separate Breakdown in this Section) |     |
| 55   | 1001106736  | 1   | Cap, Dust                                                             |     |
| 56   | 4240099     | AR  | Tie-Strap (Not Shown)                                                 |     |
| 57   | 4031707     | 2   | Bolt M6 x 16                                                          |     |
| 58   | 1001307537  | 8   | Washer M6                                                             |     |
| 59   | 1001307536  | 1   | Plate, Mounting                                                       |     |
| 60   | 1001307535  | 4   | Isolator                                                              |     |
| 61   | 1001307538  | 4   | Screw M5 x 20                                                         |     |
| 62   | 1001237546  | 1   | Light Panel Assembly (Includes Housing, Lens, Seal and PC Board)      |     |
| 63   | 3300408     | 2   | Nut                                                                   |     |
| 64   | 0630518     | 2   | Screw #10 x 3/4                                                       |     |
| 65   | 1001239512  | 1   | Decal - Fuse Box                                                      |     |
| 66   | 1001239290  | 1   | UGM Ground Cable                                                      |     |
| 67   | 1001261120  | 4   | Connector, Ferrite                                                    |     |
| 68   | 0761014     | 1   | Bolt M10 x 30                                                         |     |
| 69   | 4812000     | 4   | Washer M10                                                            |     |
| 70   | 3291001     | 1   | Nut M10                                                               |     |
| 71   | 0700412     | 4   | Bolt M4 x 25                                                          |     |
| 72   | 8229237     | 2   | Fuse 15Amp                                                            |     |
| 73   | 1001227788  | 3   | Fuse 2Amp                                                             |     |
| 74   | 1001091102  | 2   | Washer M4                                                             |     |
| 75   | 1062255     | 4   | Tie-Strap                                                             |     |
| 77   | 4240032     | AR  | Tie-Strap (Not Shown)                                                 |     |
| 78   | 4460234     | AR  | Mount, Cable Tie (Not Shown)                                          |     |
| 79   | 1001080996  | 1   | Clamp                                                                 |     |
| 80   | 0100048     | AR  | Compound, Locking                                                     |     |



SECTION 8 - ELECTRICAL

FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS AND WITHOUT 4000W GENERATOR)



ART\_1001190773

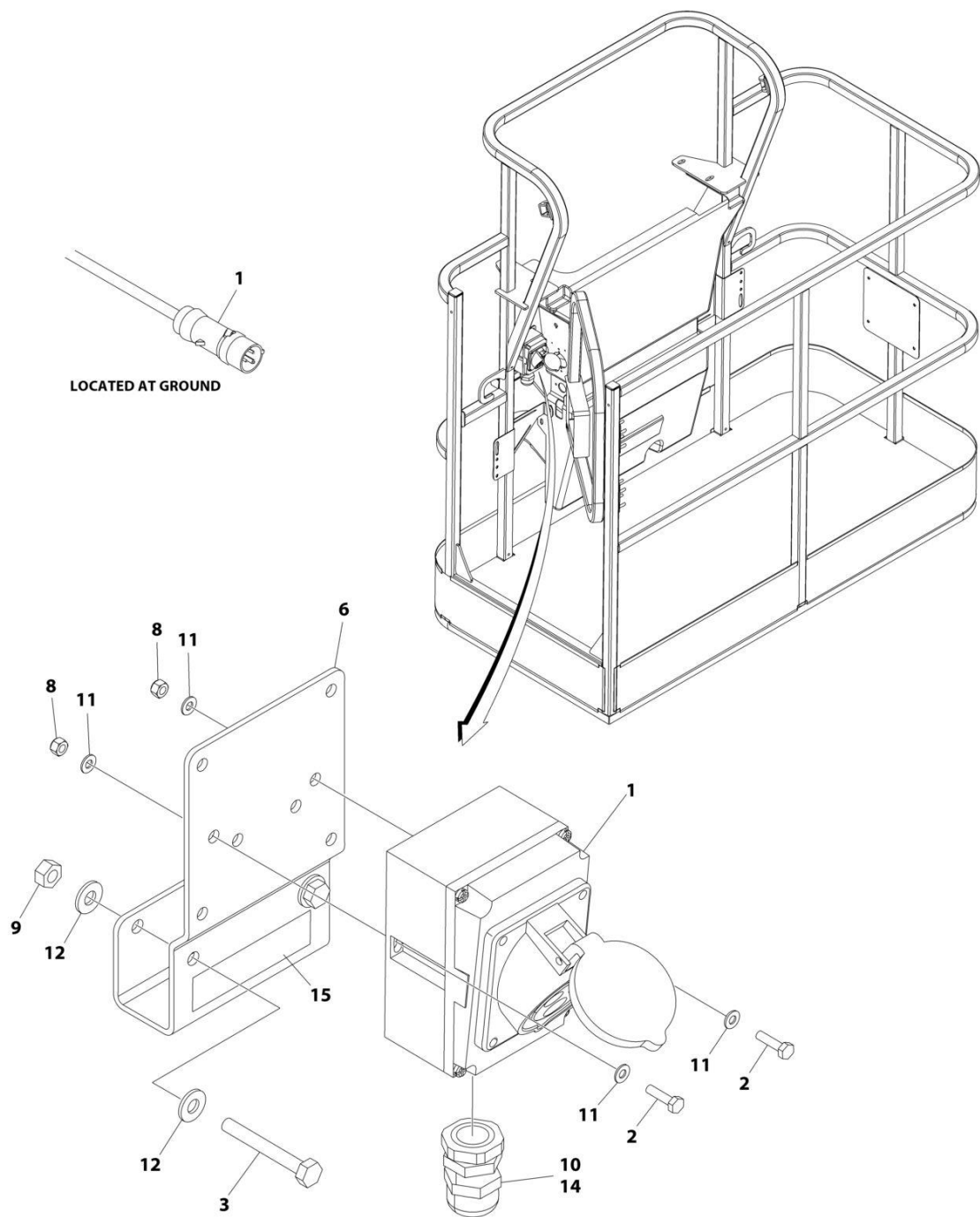
## SECTION 8 - ELECTRICAL

**FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS AND WITHOUT 4000W GENERATOR)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001190773  | Ref | AC BOX AT PLATFORM INSTALLATION | C   |
| 1    | 0760610     | 1   | Bolt M6 x 20                    |     |
| 2    | 0860038     | 1   | Box, Switch                     |     |
| 3    | 1320041     | 1   | Clamp                           |     |
| 4    | 3290605     | 1   | Nut M6                          |     |
| 5    | 3910610     | 4   | Screw #6 x 5/8                  |     |
| 6    | 3960422     | 1   | Gasket                          |     |
| 7    | 4460071     | 1   | Connector, Strain Relief        |     |
| 8    | 4460205     | 1   | Plug, Male                      |     |
| 9    | 4460315     | 1   | Terminal, Spade (Not Shown)     |     |
| 10   | 4460346     | 1   | Receptacle                      |     |
| 11   | 4760600     | 4   | Washer #6                       |     |
| 12   | 4811700     | 2   | Washer M6                       |     |
| 13   | 1001110873  | 1   | Shield, Cover                   |     |
| 14   | 0100079     | AR  | Sealant                         |     |

SECTION 8 - ELECTRICAL

FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS WITHOUT 4000W/50HZ GENERATOR)



ART\_1001190493

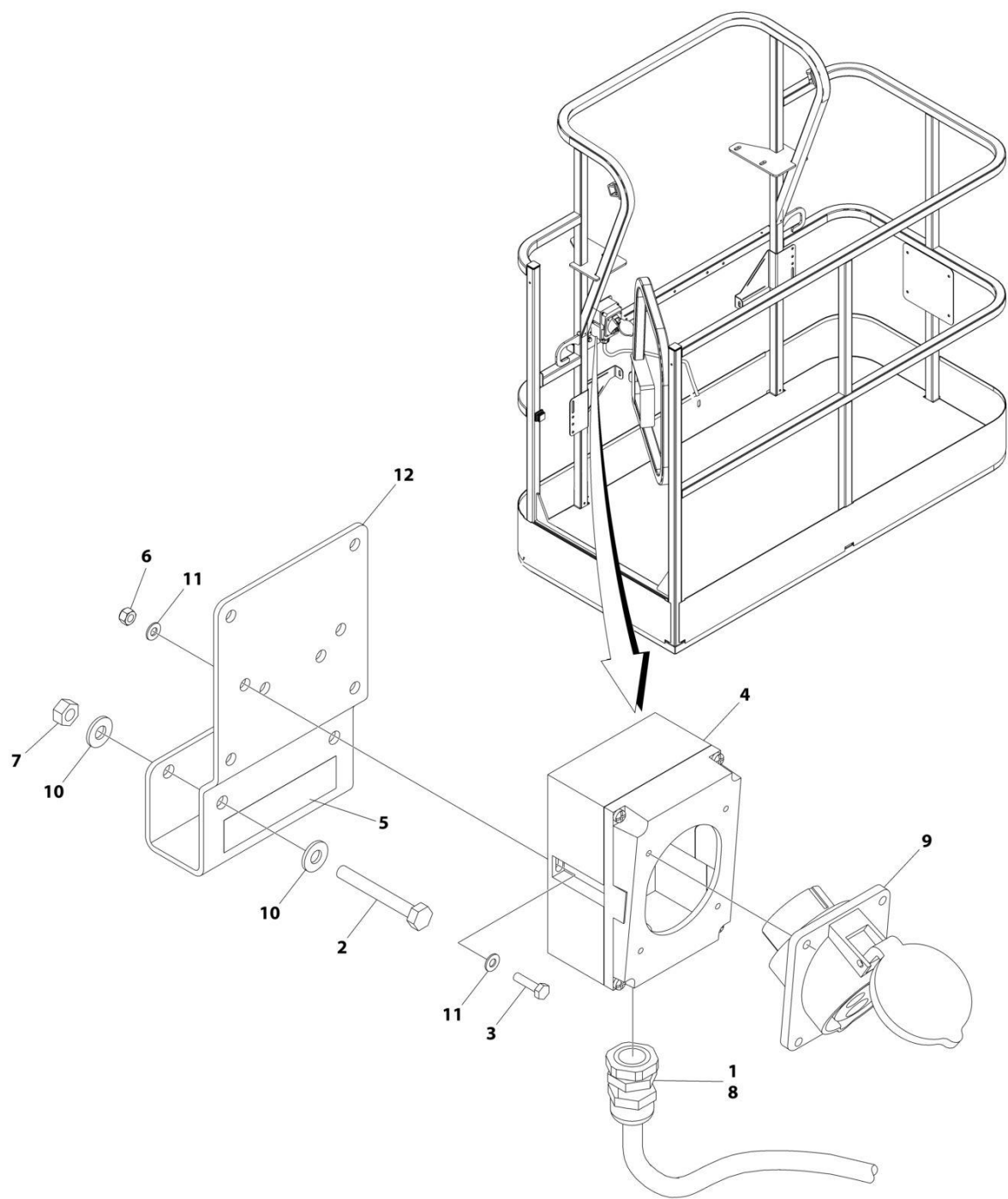
## SECTION 8 - ELECTRICAL

**FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS WITHOUT 4000W/50HZ GENERATOR)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                   | REV |
|------|-------------|-----|-------------------------------------------------------------------------------|-----|
|      | 1001190493  | Ref | AC BOX AT PLATFORM INSTALLATION                                               | C   |
| 1    | 0275216     | 1   | Receptacle Box Kit - 110V IEC Yellow (See Separate Breakdown in this Section) |     |
| 2    | 0700408     | 2   | Bolt M4 x 16                                                                  |     |
| 3    | 0700618     | 2   | Bolt M6 x 50                                                                  |     |
| 6    | 1001193018  | 1   | Bracket                                                                       |     |
| 8    | 3290405     | 2   | Nut M4                                                                        |     |
| 9    | 3290605     | 2   | Nut M6                                                                        |     |
| 10   | 4460968     | 1   | Connector, Strain Relief                                                      |     |
| 11   | 4811400     | 4   | Washer M4                                                                     |     |
| 12   | 4811700     | 4   | Washer M6                                                                     |     |
| 14   | 0100079     | AR  | Sealant                                                                       |     |
| 15   | 1705325     | 1   | Decal - 110V                                                                  |     |

SECTION 8 - ELECTRICAL

FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS WITH 4000W/50HZ GENERATOR)



ART\_1001194203



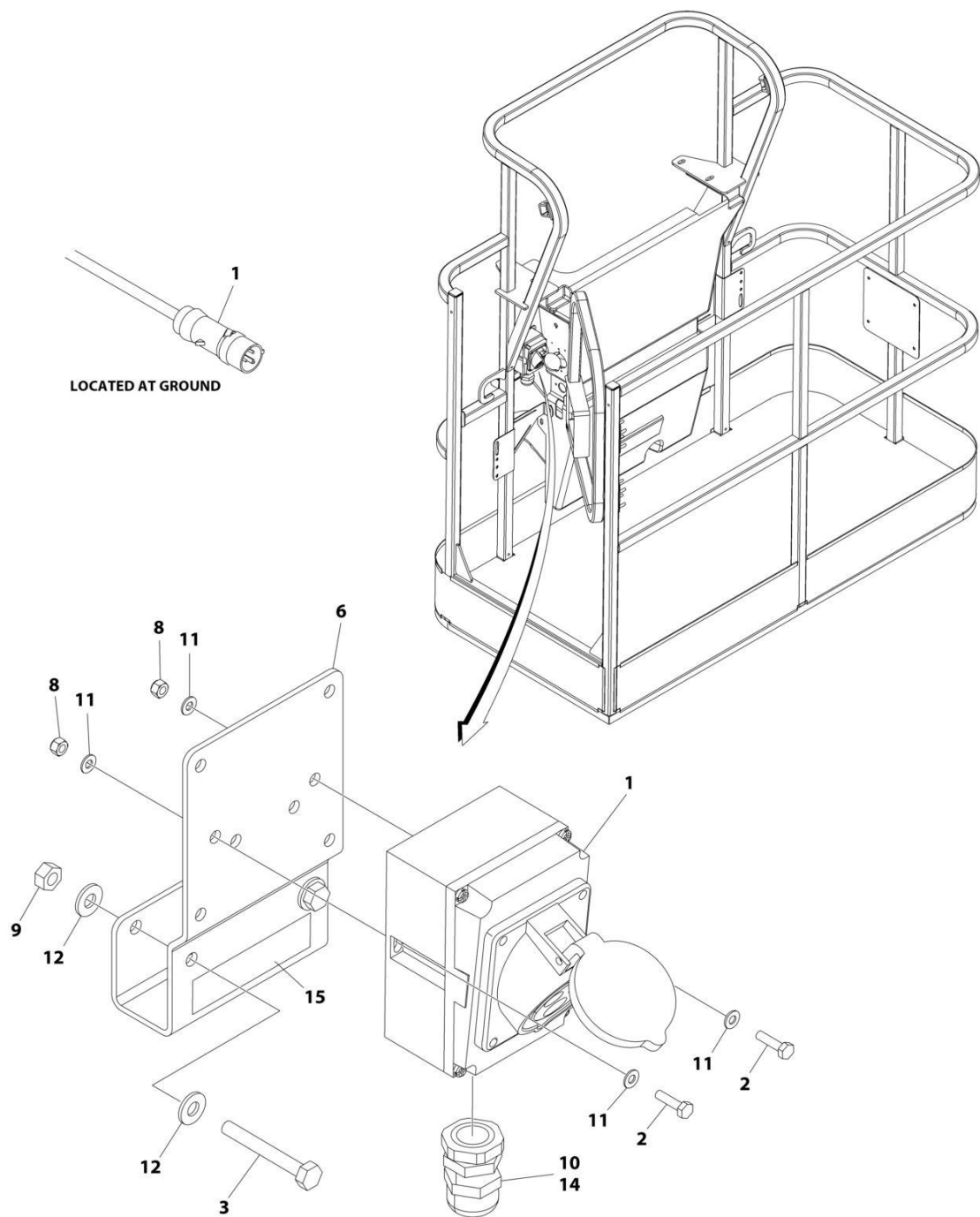
## SECTION 8 - ELECTRICAL

**FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS WITH 4000W/50HZ GENERATOR)**

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

SECTION 8 - ELECTRICAL

FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS WITHOUT 4000W/50HZ GENERATOR)



ART\_1001190495

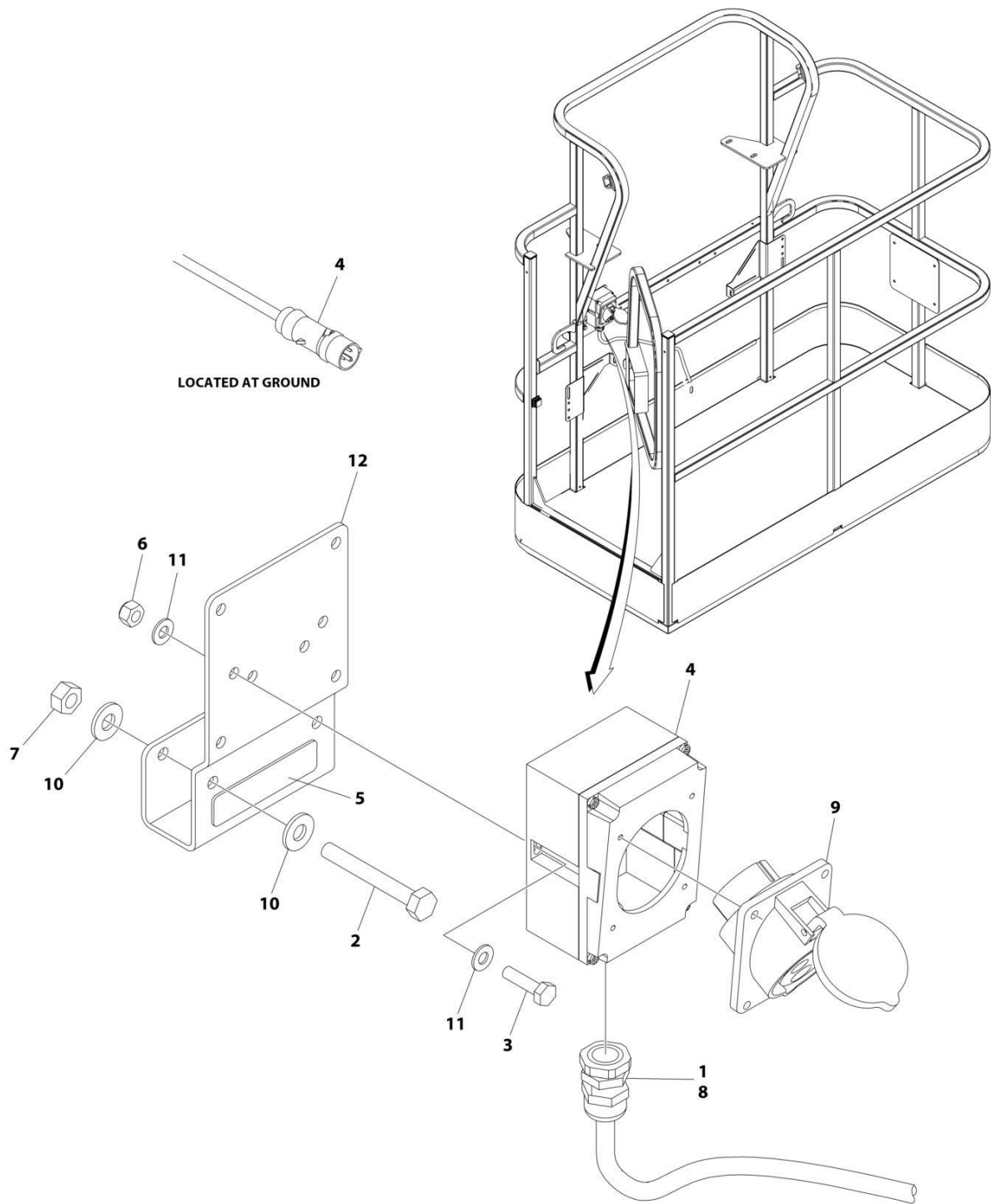
## SECTION 8 - ELECTRICAL

**FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS WITHOUT 4000W/50HZ GENERATOR)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                 | REV |
|------|-------------|-----|-----------------------------------------------------------------------------|-----|
|      | 1001190495  | Ref | AC BOX AT PLATFORM INSTALLATION                                             | C   |
| 1    | 0275217     | 1   | Receptacle Box Kit - 220V IEC Blue (See Separate Breakdown in this Section) |     |
| 2    | 0700408     | 2   | Bolt M4 x 16                                                                |     |
| 3    | 0700618     | 2   | Bolt M6 x 50                                                                |     |
| 6    | 1001193018  | 1   | Bracket                                                                     |     |
| 8    | 3290405     | 2   | Nut M4                                                                      |     |
| 9    | 3290605     | 2   | Nut M6                                                                      |     |
| 10   | 4460968     | 1   | Connector, Strain Relief                                                    |     |
| 11   | 4811400     | 4   | Washer M4                                                                   |     |
| 12   | 4811700     | 4   | Washer M6                                                                   |     |
| 14   | 0100079     | AR  | Sealant                                                                     |     |
| 15   | 3252507     | 1   | Decal - 220 Volt                                                            |     |

SECTION 8 - ELECTRICAL

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS WITH 4000W/50HZ GENERATOR)



ART\_1001194204

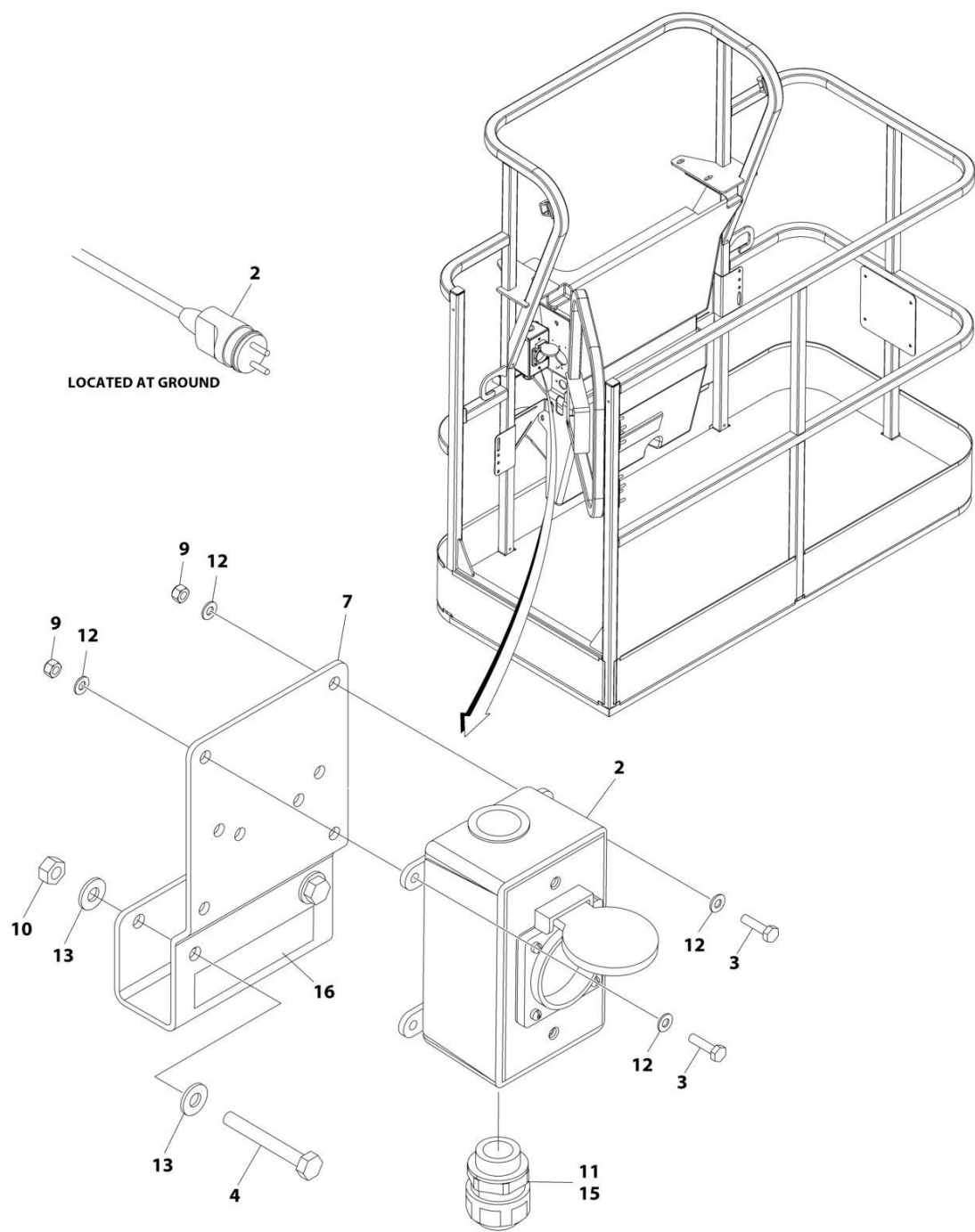
## SECTION 8 - ELECTRICAL

**FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS WITH 4000W/50HZ GENERATOR)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001194204  | Ref | AC BOX AT PLATFORM INSTALLATION | B   |
| 1    | 0100020     | AR  | Sealant, Pipe                   |     |
| 2    | 0641416     | 2   | Bolt 1/4 x 2                    |     |
| 3    | 0700408     | 2   | Bolt M4 x 16                    |     |
| 4    | 0861781     | 1   | Box, Switch                     |     |
| 5    | 3251242     | 1   | Decal - 240V/50Hz               |     |
| 6    | 3290405     | 2   | Nut M4                          |     |
| 7    | 3311405     | 2   | Nut 1/4                         |     |
| 8    | 4460968     | 1   | Connector, Strain Relief        |     |
| 9    | 4461201     | 1   | Receptacle                      |     |
| 10   | 4711400     | 4   | Washer 1/4                      |     |
| 11   | 4811400     | 4   | Washer M4                       |     |
| 12   | 1001193018  | 1   | Bracket, AC Receptacle          |     |

SECTION 8 - ELECTRICAL

FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE SPECS WITHOUT 4000W/50HZ GENERATOR)



ART\_1001190441

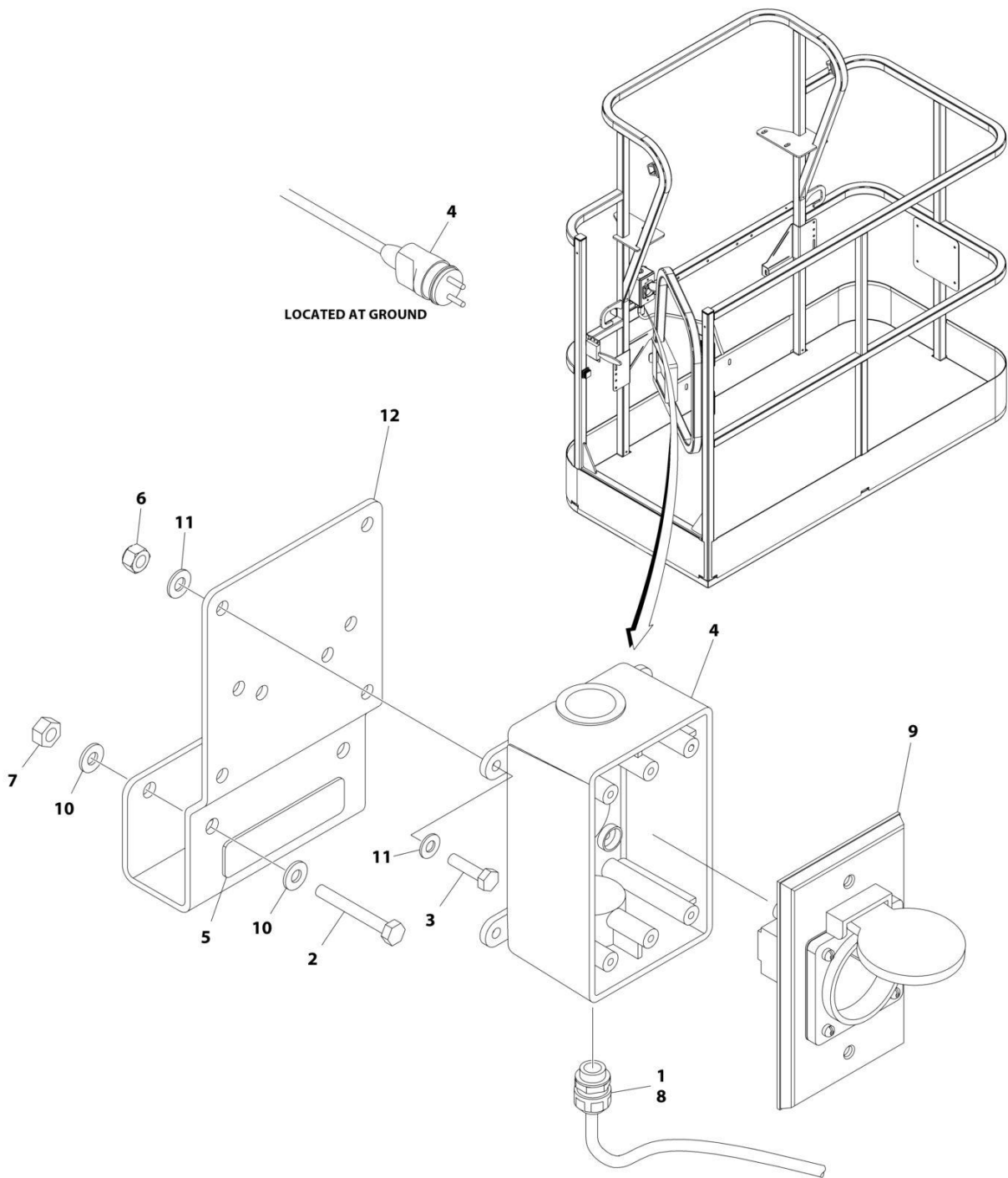
## SECTION 8 - ELECTRICAL

**FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE SPECS WITHOUT 4000W/50HZ GENERATOR)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                   | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------|-----|
|      | 1001190441  | Ref | AC BOX AT PLATFORM INSTALLATION                                                               | D   |
| 2    | 0275452     | 1   | Receptacle Box Kit - 220V CEE7 Post Ground 2in x 4in (See Separate Breakdown in this Section) |     |
| 3    | 0700408     | 4   | Bolt M4 x 16                                                                                  |     |
| 4    | 0700618     | 2   | Bolt M6 x 50                                                                                  |     |
| 7    | 1001193018  | 1   | Bracket                                                                                       |     |
| 9    | 3290405     | 4   | Nut M4                                                                                        |     |
| 10   | 3290605     | 2   | Nut M6                                                                                        |     |
| 11   | 4460662     | 1   | Connector, Strain Relief                                                                      |     |
| 12   | 4811400     | 8   | Washer M4                                                                                     |     |
| 13   | 4811700     | 4   | Washer M6                                                                                     |     |
| 15   | 0100079     | AR  | Sealant                                                                                       |     |
| 16   | 3252507     | 1   | Decal - 220 Volt                                                                              |     |

SECTION 8 - ELECTRICAL

FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE SPECS WITH 4000W/50HZ GENERATOR)



ART\_1001194197



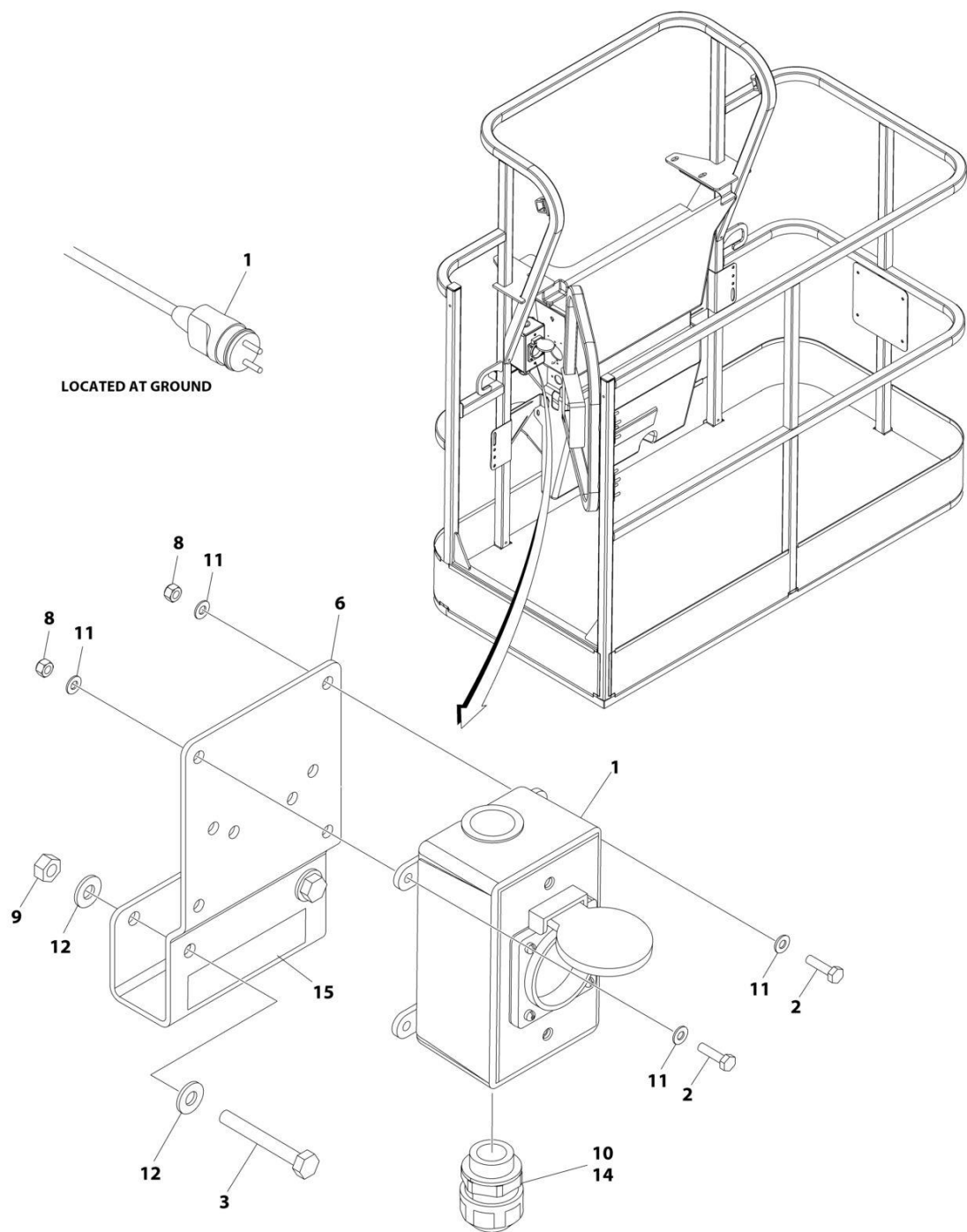
## SECTION 8 - ELECTRICAL

**FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE SPECS WITH 4000W/50HZ GENERATOR)**

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

SECTION 8 - ELECTRICAL

FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE SPECS WITHOUT 4000W/50HZ GENERATOR)



ART\_1001190484

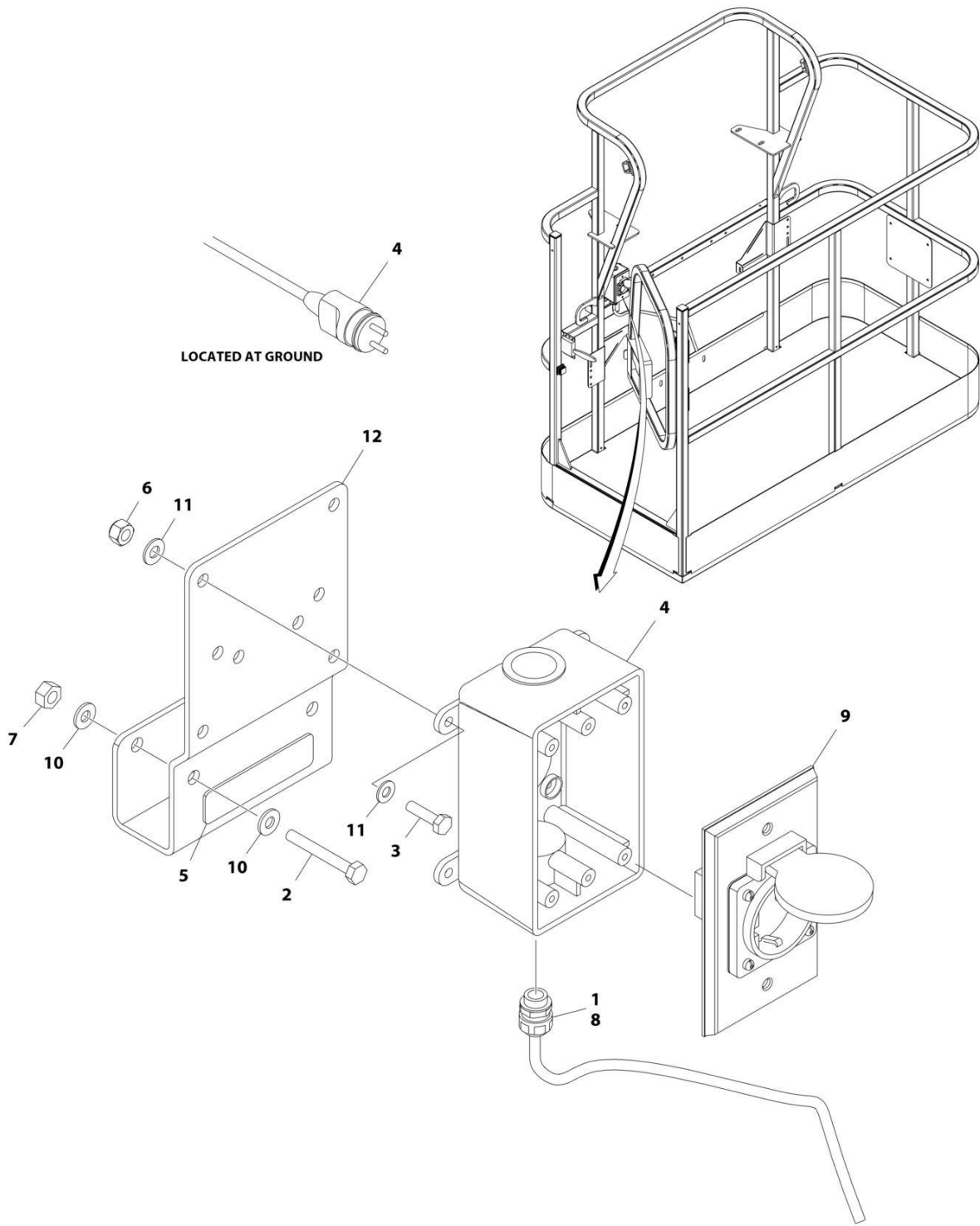
## SECTION 8 - ELECTRICAL

**FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE SPECS WITHOUT 4000W/50HZ GENERATOR)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                   | REV |
|------|-------------|-----|-----------------------------------------------------------------------------------------------|-----|
|      | 1001190484  | Ref | AC BOX AT PLATFORM INSTALLATION                                                               | D   |
| 1    | 0275453     | 1   | Receptacle Box Kit - 220V CEE7 Side Ground 2in x 4in (See Separate Breakdown in this Section) |     |
| 2    | 0700408     | 4   | Bolt M4 x 16                                                                                  |     |
| 3    | 0700618     | 2   | Bolt M6 x 50                                                                                  |     |
| 6    | 1001193018  | 1   | Bracket                                                                                       |     |
| 8    | 3290405     | 4   | Nut M4                                                                                        |     |
| 9    | 3290605     | 2   | Nut M6                                                                                        |     |
| 10   | 4460662     | 1   | Connector, Strain Relief                                                                      |     |
| 11   | 4811400     | 8   | Washer M4                                                                                     |     |
| 12   | 4811700     | 4   | Washer M6                                                                                     |     |
| 14   | 0100079     | AR  | Sealant                                                                                       |     |
| 15   | 3252507     | 1   | Decal - 220 Volt                                                                              |     |

SECTION 8 - ELECTRICAL

FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE SPECS WITH 4000W/50HZ GENERATOR)



ART\_1001194198

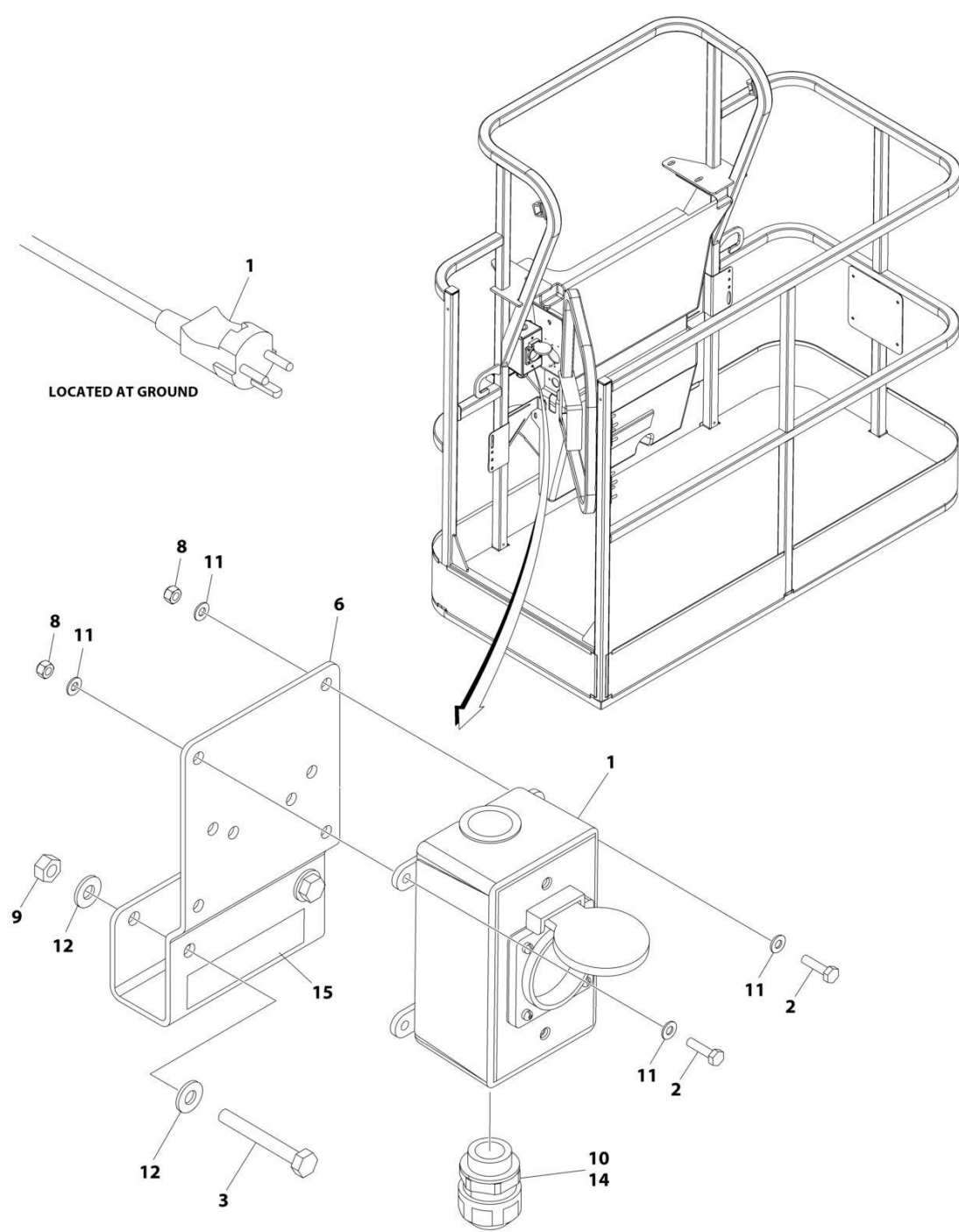
## SECTION 8 - ELECTRICAL

**FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE SPECS WITH 4000W/50HZ GENERATOR)**

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

SECTION 8 - ELECTRICAL

FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPECS WITHOUT 4000W/50HZ GENERATOR)



ART\_1001190485

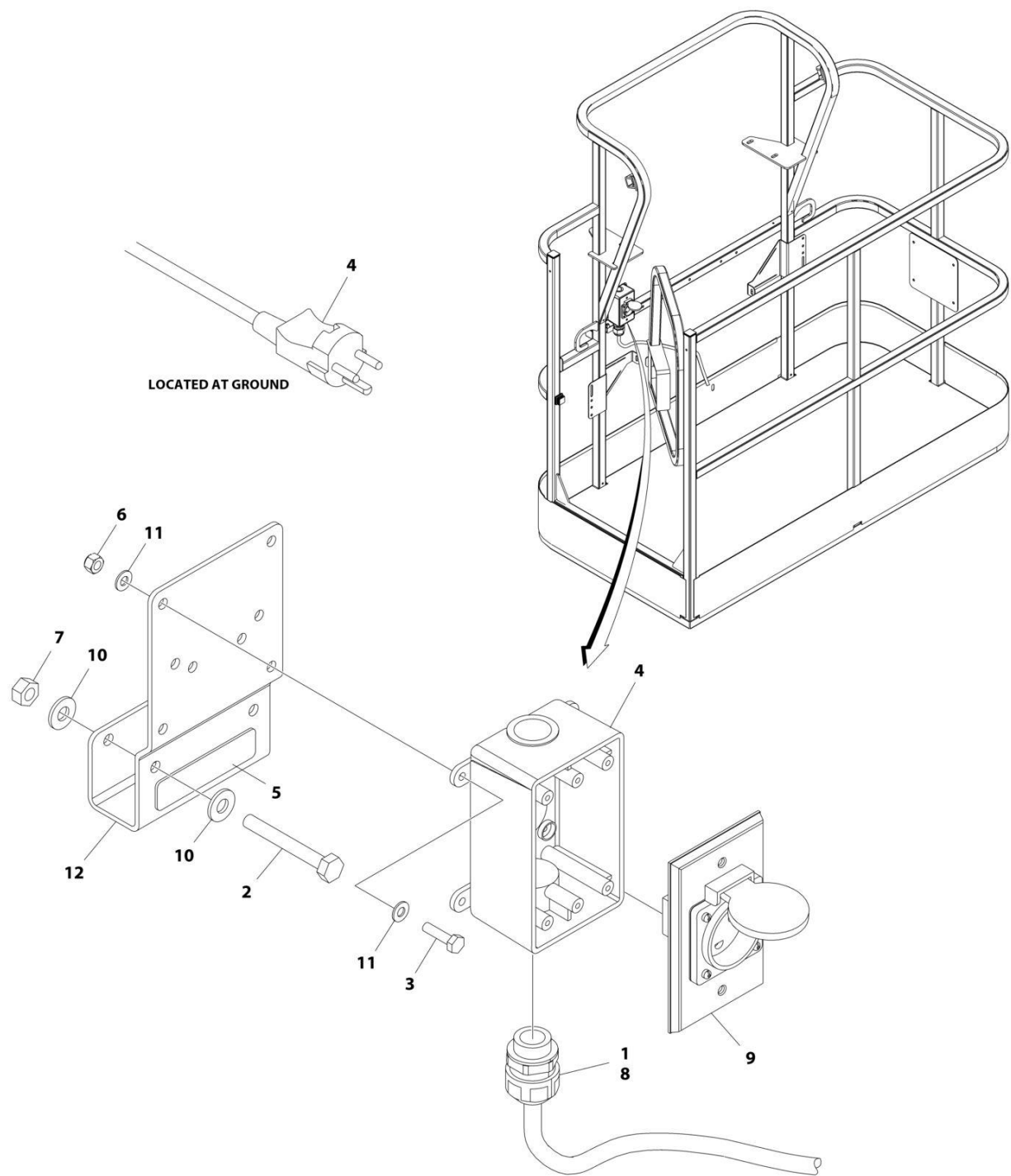
## SECTION 8 - ELECTRICAL

**FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPECS WITHOUT 4000W/50HZ GENERATOR)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                  | REV |
|------|-------------|-----|------------------------------------------------------------------------------|-----|
|      | 1001190485  | Ref | AC BOX AT PLATFORM INSTALLATION                                              | C   |
| 1    | 0275454     | 1   | Receptacle Box Kit - 220V AFSINT107 (See Separate Breakdown in this Section) |     |
| 2    | 0700408     | 4   | Bolt M4 x 16                                                                 |     |
| 3    | 0700618     | 2   | Bolt M6 x 50                                                                 |     |
| 6    | 1001193018  | 1   | Bracket                                                                      |     |
| 8    | 3290405     | 4   | Nut M4                                                                       |     |
| 9    | 3290605     | 2   | Nut M6                                                                       |     |
| 10   | 4460662     | 1   | Connector, Strain Relief                                                     |     |
| 11   | 4811400     | 8   | Washer M4                                                                    |     |
| 12   | 4811700     | 4   | Washer M6                                                                    |     |
| 14   | 0100079     | AR  | Sealant                                                                      |     |
| 15   | 3252507     | 1   | Decal - 220 Volt                                                             |     |

SECTION 8 - ELECTRICAL

FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPECS WITH 4000W/50HZ GENERATOR)



ART\_1001194200



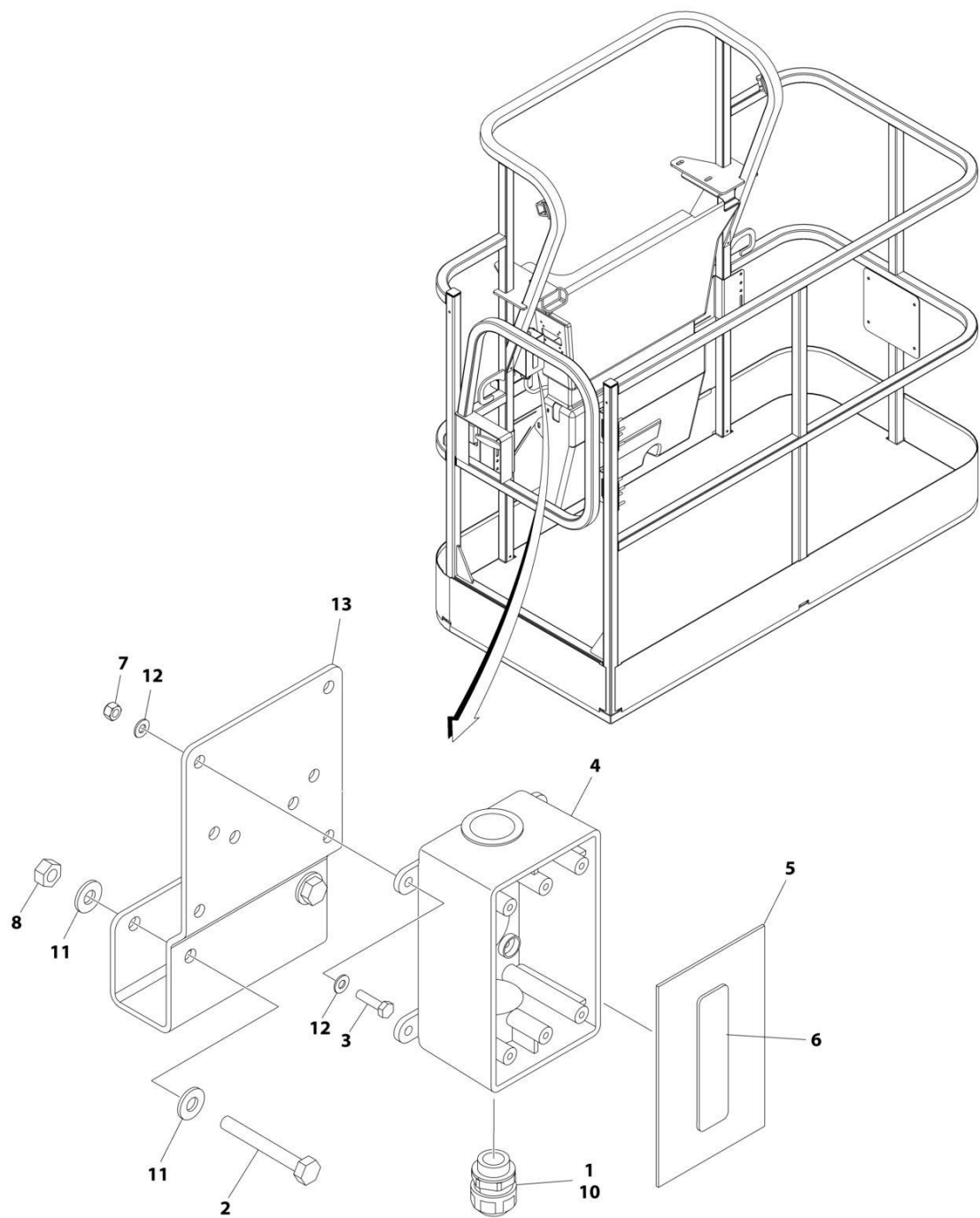
## SECTION 8 - ELECTRICAL

**FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPECS WITH 4000W/50HZ GENERATOR)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001194200  | Ref | AC BOX AT PLATFORM INSTALLATION | B   |
| 1    | 0100020     | AR  | Sealant, Pipe                   |     |
| 2    | 0641416     | 2   | Bolt 1/4 x 2                    |     |
| 3    | 0700408     | 4   | Bolt M4 x 16                    |     |
| 4    | 0861731     | 1   | Box, Switch                     |     |
| 5    | 3251242     | 1   | Decal - 240V/50Hz               |     |
| 6    | 3290405     | 4   | Nut M4                          |     |
| 7    | 3311405     | 2   | Nut 1/4                         |     |
| 8    | 4460662     | 1   | Connector, Strain Relief        |     |
| 9    | 4461246     | 1   | Receptacle                      |     |
| 10   | 4711400     | 4   | Washer 1/4                      |     |
| 11   | 4811400     | 8   | Washer M4                       |     |
| 12   | 1001193018  | 1   | Bracket, AC Receptacle          |     |
| 13   | 1001205958  | 1   | Terminal (Not Shown)            |     |

SECTION 8 - ELECTRICAL

FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS  
(ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)



ART\_1001194365

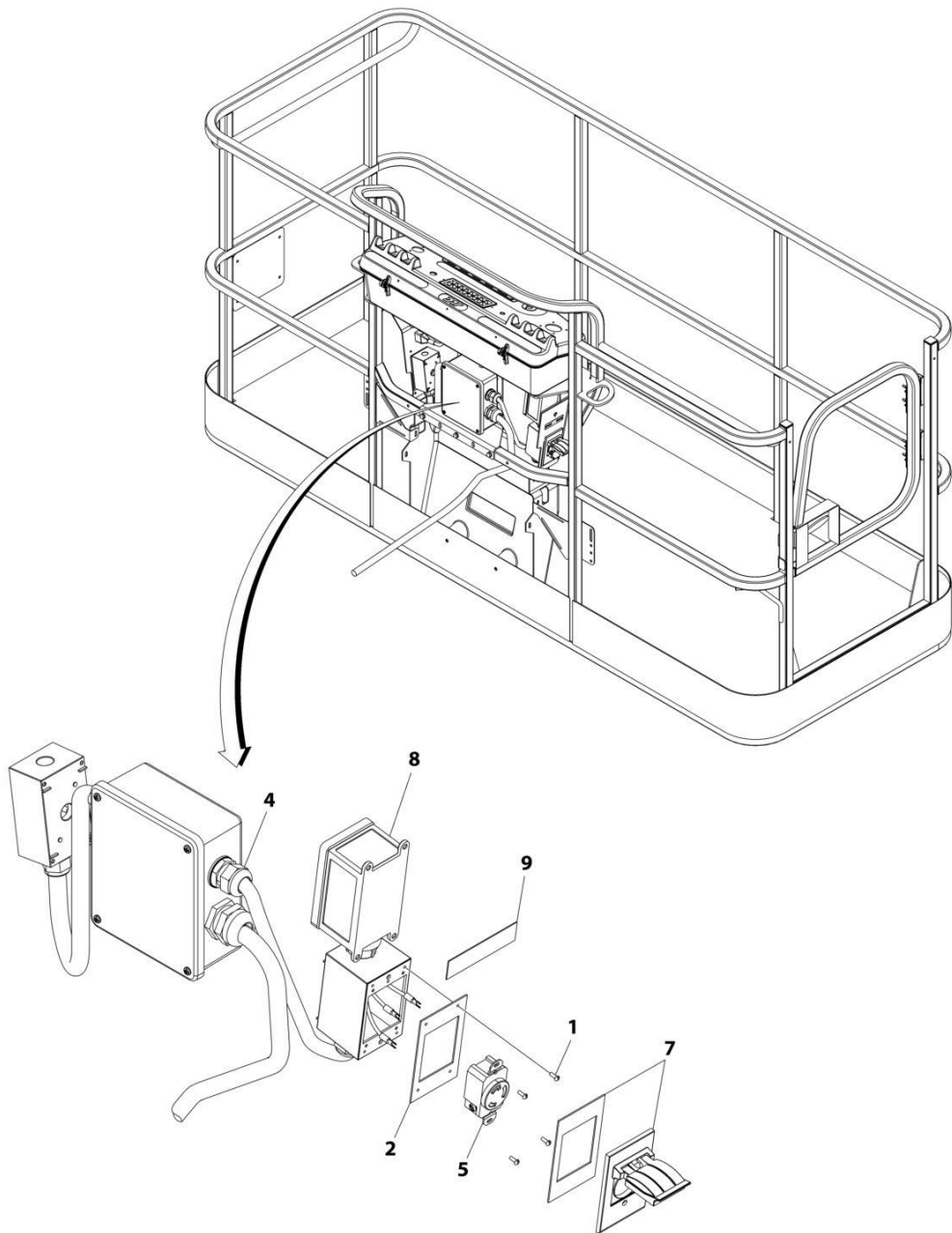
## SECTION 8 - ELECTRICAL

**FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS  
(ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS)**

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

SECTION 8 - ELECTRICAL

FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)



ART\_1001171131

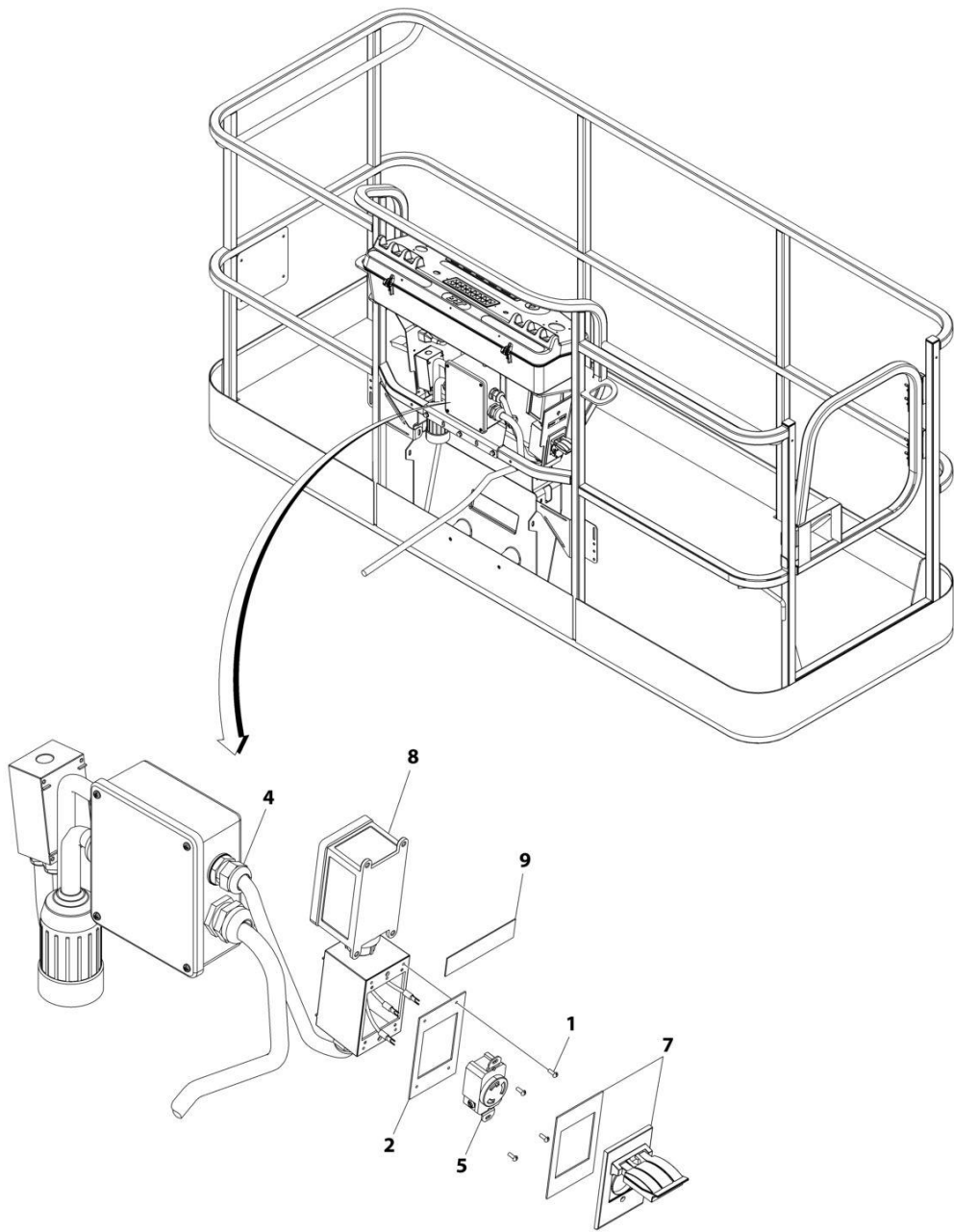
## SECTION 8 - ELECTRICAL

**FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                       | REV |
|------|-------------|-----|---------------------------------------------------|-----|
|      | 1001171131  | Ref | AC BOX AT PLATFORM INSTALLATION - 240V RECEPTACLE | B   |
| 1    | 3910606     | 4   | Screw 6 x 3/8                                     |     |
| 2    | 3960422     | 1   | Gasket                                            |     |
| 3    | 4240018     | AR  | Tie-Strap (Not Shown)                             |     |
| 4    | 4460425     | 1   | Connector, Strain Relief                          |     |
| 5    | 1001176862  | 1   | Receptacle                                        |     |
| 7    | 1001110872  | 1   | Cover, Receptacle                                 |     |
| 8    | 1001159120  | 1   | Receptacle/Breaker Box Assembly                   |     |
| 8    | 1001148675  | 1   | Box, Receptacle                                   |     |
| 8    | 1001159118  | 1   | Breaker GFCI 30Amp 240VAC                         |     |
| 8    | 4460612     | 1   | Connector, Strain Relief                          |     |
| 8    | 1001159119  | 1   | Connector (Between Boxes)                         |     |
| 9    | 1705374     | 1   | Decal - 240V/60Hz                                 |     |

SECTION 8 - ELECTRICAL

FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)



ART\_1001159121

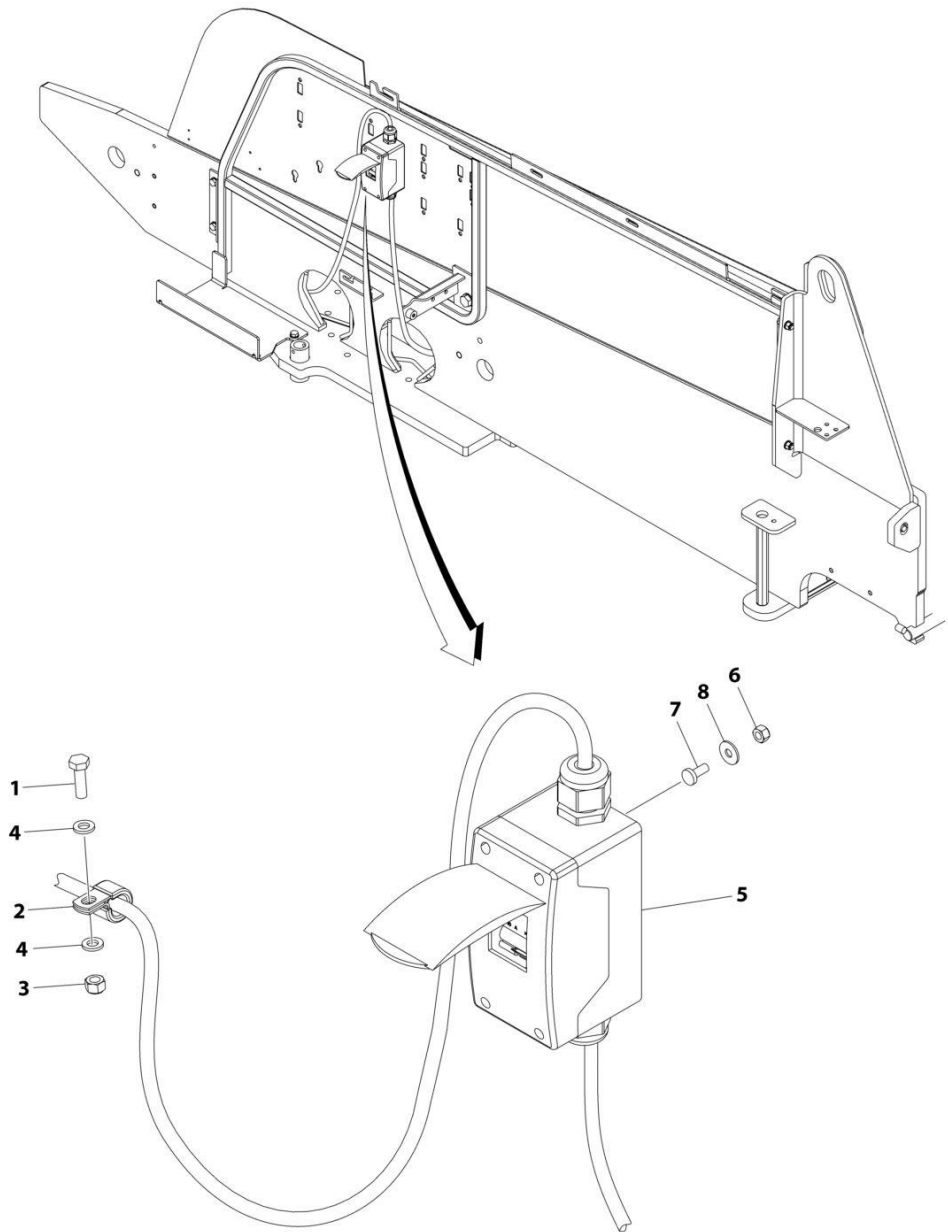
## SECTION 8 - ELECTRICAL

**FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                       | REV |
|------|-------------|-----|---------------------------------------------------|-----|
|      | 1001159121  | Ref | AC BOX AT PLATFORM INSTALLATION - 240V RECEPTACLE | B   |
| 1    | 3910606     | 4   | Screw 6 x 3/8                                     |     |
| 2    | 3960422     | 1   | Gasket                                            |     |
| 3    | 4240018     | AR  | Tie-Strap (Not Shown)                             |     |
| 4    | 4460425     | 1   | Connector, Strain Relief                          |     |
| 5    | 4460958     | 1   | Receptacle                                        |     |
| 7    | 1001110872  | 1   | Cover, Receptacle                                 |     |
| 8    | 1001159120  | 1   | Receptacle/Breaker Box Assembly                   |     |
| 8    | 1001148675  | 1   | Box, Receptacle                                   |     |
| 8    | 1001159118  | 1   | Breaker Box Assembly                              |     |
| 8    | 4460612     | 1   | Connector, Strain Relief                          |     |
| 8    | 1001159119  | 1   | Connector (Between Boxes)                         |     |
| 9    | 1705374     | 1   | Decal - 240V/60Hz                                 |     |

SECTION 8 - ELECTRICAL

FIGURE 8-20. AC BREAKER BOX INSTALLATION - SINGLE DOUBLE POLE BREAKER



ART\_1001190774



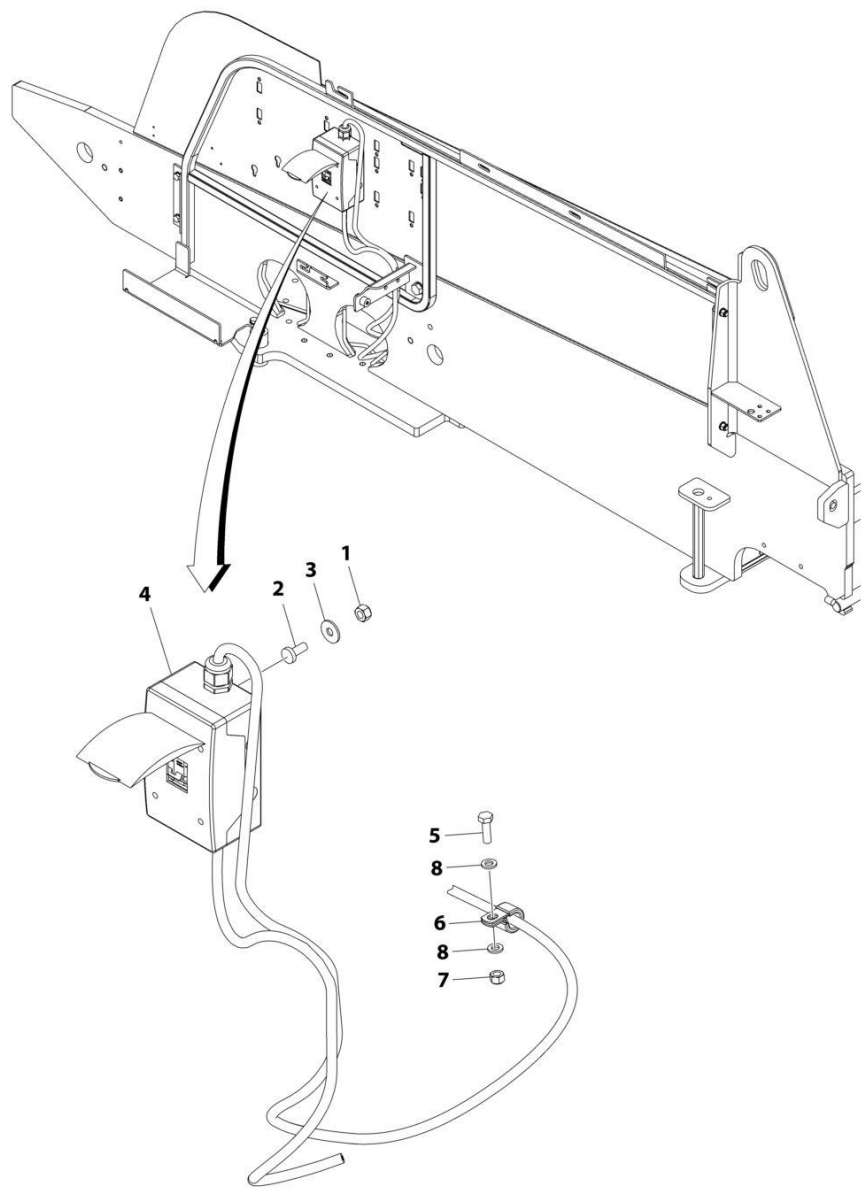
## SECTION 8 - ELECTRICAL

**FIGURE 8-20. AC BREAKER BOX INSTALLATION - SINGLE DOUBLE POLE BREAKER**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                           | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------|-----|
|      | 1001190774  | Ref | AC BREAKER BOX INSTALLATION                                                           | C   |
| 1    | 0760610     | 1   | Bolt M6 x 20                                                                          |     |
| 2    | 1320041     | 1   | Clamp                                                                                 |     |
| 3    | 3290605     | 1   | Nut M6                                                                                |     |
| 4    | 4811700     | 2   | Washer M6                                                                             |     |
| 5    | 2902549     | 1   | Breaker Box Kit - Single Double Pole Breaker (See Separate Breakdown in this Section) |     |
| 6    | 3290405     | 2   | Nut M4                                                                                |     |
| 7    | 4010405     | 2   | Screw M4 x 10                                                                         |     |
| 8    | 1001091102  | 2   | Washer M4                                                                             |     |

SECTION 8 - ELECTRICAL

FIGURE 8-21. AC BREAKER BOX INSTALLATION - 3 BREAKERS



ART\_1001211049\_C

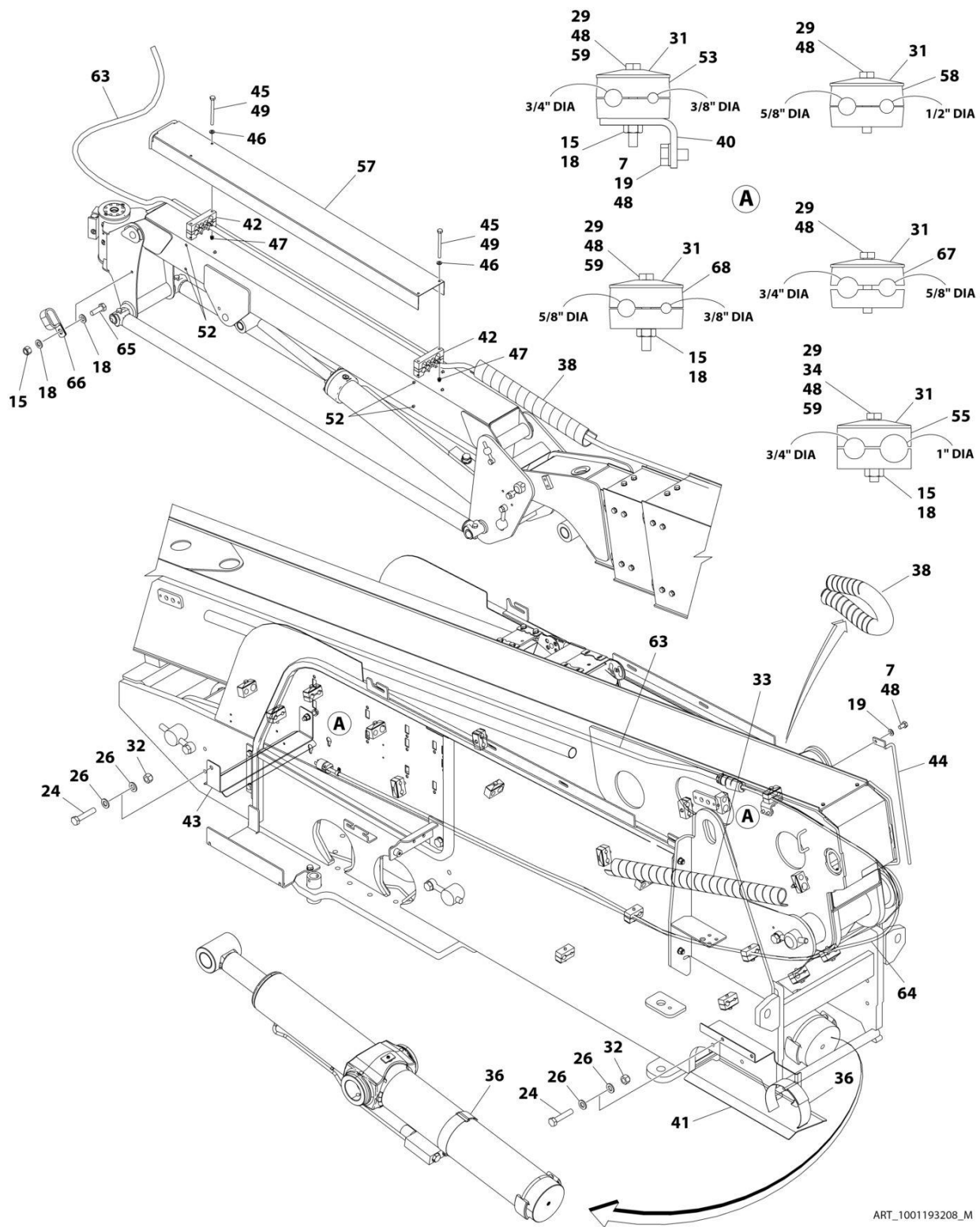
## SECTION 8 - ELECTRICAL

**FIGURE 8-21. AC BREAKER BOX INSTALLATION - 3 BREAKERS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                           | REV |
|------|-------------|-----|-----------------------------------------------------------------------|-----|
|      | 1001211049  | Ref | AC BREAKER BOX INSTALLATION                                           | C   |
| 1    | 3290405     | 2   | Nut M4                                                                |     |
| 2    | 4010405     | 2   | Screw M4 x 10                                                         |     |
| 3    | 1001091102  | 2   | Washer M4                                                             |     |
| 4    | 1001152486  | 1   | Breaker Box Kit - 3 Breakers (See Separate Breakdown in this Section) |     |
| 5    | 0760610     | 1   | Bolt M6 x 20                                                          |     |
| 6    | 1320041     | 1   | Clamp                                                                 |     |
| 7    | 3290605     | 1   | Nut M6                                                                |     |
| 8    | 4811700     | 2   | Washer M6                                                             |     |

SECTION 8 - ELECTRICAL

FIGURE 8-22. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS) (Prior to SN 0300292972)



ART\_1001193208\_M

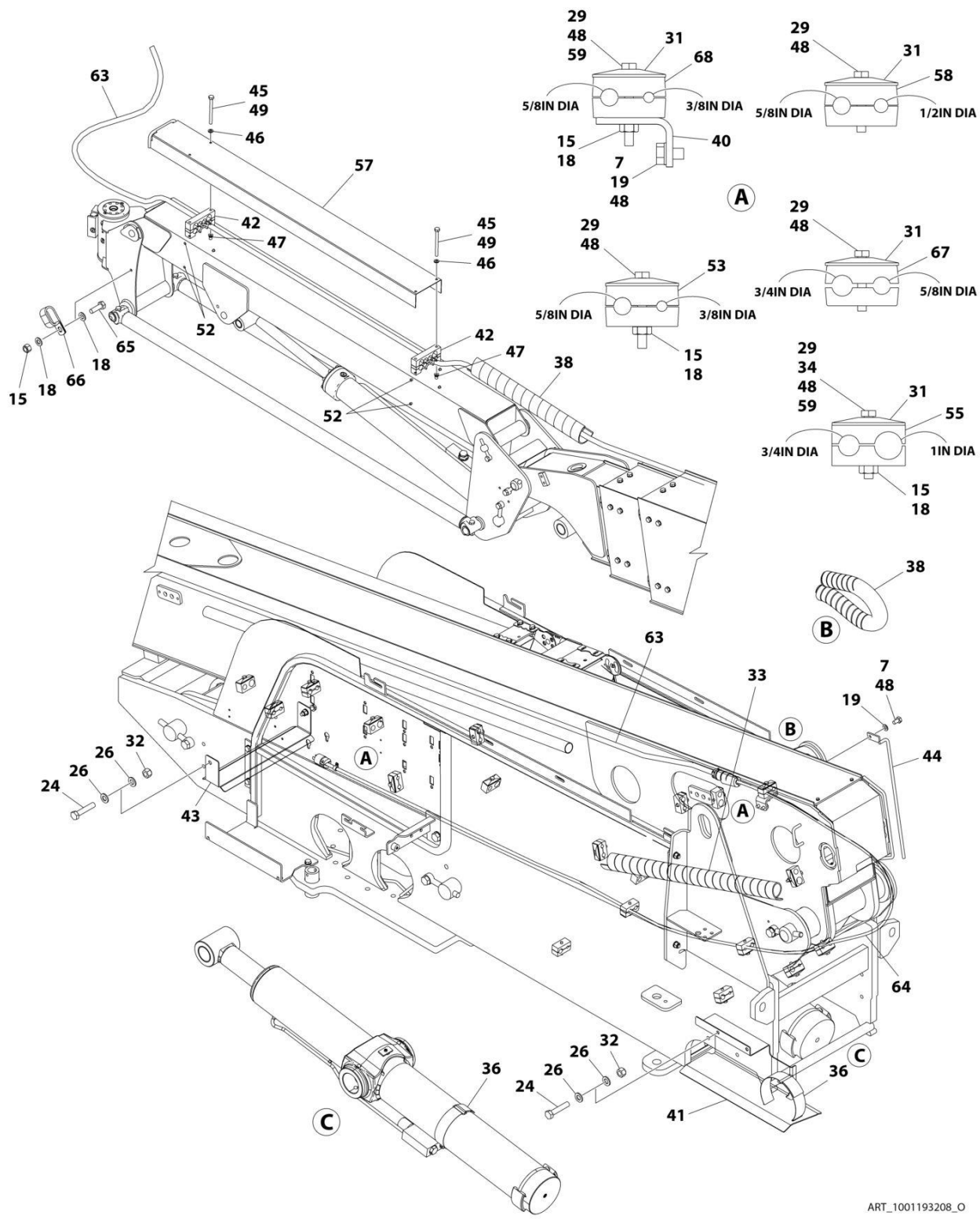
## SECTION 8 - ELECTRICAL

**FIGURE 8-22. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS) (Prior to SN 0300292972)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 1001193208  | Ref | AC CABLES AND CLAMPS INSTALLATION   | M   |
| 7    | 0761009     | 3   | Bolt M10 x 18                       |     |
| 15   | 3290805     | 3   | Nut M8                              |     |
| 18   | 4811900     | 3   | Washer M8                           |     |
| 19   | 4812000     | 3   | Washer M10                          |     |
| 20   | 1001146588  | 4   | Tie-Strap (Not Shown)               |     |
| 24   | 0701220     | 4   | Bolt M12 x 60                       |     |
| 26   | 4812100     | 8   | Washer M12                          |     |
| 29   | 0700818     | 16  | Bolt M8 x 50                        |     |
| 31   | 77133137    | 19  | Cover, Clamp                        |     |
| 32   | 3291205     | 4   | Nut M12                             |     |
| 33   | 1001204690  | 1   | Shield, Tube                        |     |
| 34   | 5281918     | 1   | Capscrew M8 x 70                    |     |
| 36   | 1001143645  | 2   | Strap, Cinch                        |     |
| 38   | 1001181923  | AR  | Shield, Tube                        |     |
| 40   | 1001229637  | 1   | Bracket                             |     |
| 41   | 1001252945  | 1   | Support                             |     |
| 42   | 1001201090  | 2   | Block, Clamp                        |     |
| 43   | 1001201342  | 1   | Support                             |     |
| 44   | 1001202936  | 1   | Guide                               |     |
| 45   | 0641424     | 4   | Bolt 1/4 x 3                        |     |
| 46   | 4811700     | 4   | Washer M6                           |     |
| 47   | 2080044     | 4   | Rivet - Nut 1/4                     |     |
| 48   | 0100011     | AR  | Compound, Locking                   |     |
| 49   | 0100035     | AR  | Compound, Locking                   |     |
| 51   | 4240018     | 4   | Tie-Strap (Not Shown)               |     |
| 52   | 3520034     | 8   | Plug                                |     |
| 53   | 1001209948  | 3   | Clamp                               |     |
| 55   | 1001209951  | 6   | Clamp                               |     |
| 57   | 1001209957  | 1   | Cover                               |     |
| 58   | 1001209953  | 3   | Clamp                               |     |
| 59   | 0700822     | 2   | Bolt M8 x 70                        |     |
| 63   | 1001195228  | 1   | AC Ground to Platform Cable (Upper) |     |
| 63   | 1001120204  | 1   | Plug, Male                          |     |
| 64   | 1001195525  | 1   | AC Ground to Platform Cable (Lower) |     |
| 64   | 1001120205  | 1   | Receptacle, Female                  |     |
| 65   | 0760812     | 1   | Bolt M8 x 25                        |     |
| 66   | 1001116792  | 1   | Clamp                               |     |
| 67   | 1001209949  | 3   | Clamp                               |     |
| 68   | 1001228809  | 4   | Clamp                               |     |

SECTION 8 - ELECTRICAL

FIGURE 8-23. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS) (SN 0300292972 to Present)



ART\_1001193208\_O

## SECTION 8 - ELECTRICAL

**FIGURE 8-23. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS) (SN 0300292972 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 1001193208  | Ref | AC CABLES AND CLAMPS INSTALLATION   | O   |
| 7    | 0761009     | 3   | Bolt M10 x 18                       |     |
| 15   | 3290805     | 3   | Nut M8                              |     |
| 18   | 4811900     | 3   | Washer M8                           |     |
| 19   | 4812000     | 3   | Washer M10                          |     |
| 20   | 1001146588  | 4   | Tie-Strap (Not Shown)               |     |
| 24   | 0701220     | 4   | Bolt M12 x 60                       |     |
| 26   | 4812100     | 8   | Washer M12                          |     |
| 29   | 0700818     | 16  | Bolt M8 x 50                        |     |
| 31   | 77133137    | 13  | Cover, Clamp                        |     |
| 32   | 3291205     | 4   | Nut M12                             |     |
| 33   | 1001204690  | 1   | Shield, Tube                        |     |
| 34   | 5281918     | 1   | Capscrew M8 x 70                    |     |
| 36   | 1001143645  | 2   | Strap, Cinch                        |     |
| 38   | 1001181923  | AR  | Shield, Tube                        |     |
| 40   | 1001229637  | 1   | Bracket                             |     |
| 41   | 1001252945  | 1   | Support                             |     |
| 42   | 1001201090  | 2   | Block, Clamp                        |     |
| 43   | 1001201342  | 1   | Support                             |     |
| 44   | 1001202936  | 1   | Guide                               |     |
| 45   | 0700626     | 4   | Bolt M6 x 90                        |     |
| 46   | 4811700     | 4   | Washer M6                           |     |
| 47   | 1001260680  | 4   | Rivet M6                            |     |
| 48   | 0100011     | AR  | Compound, Locking                   |     |
| 49   | 0100035     | AR  | Compound, Locking                   |     |
| 51   | 4240018     | 4   | Tie-Strap (Not Shown)               |     |
| 52   | 3520034     | 8   | Plug                                |     |
| 53   | 1001209948  | 3   | Clamp                               |     |
| 55   | 1001209951  | 6   | Clamp                               |     |
| 57   | 1001209957  | 1   | Cover                               |     |
| 58   | 1001209953  | 3   | Clamp                               |     |
| 59   | 0700822     | 2   | Bolt M8 x 70                        |     |
| 63   | 1001195228  | 1   | AC Ground to Platform Cable (Upper) |     |
| 63   | 1001120204  | 1   | Plug, Male                          |     |
| 64   | 1001195525  | 1   | AC Ground to Platform Cable (Lower) |     |
| 64   | 1001120205  | 1   | Receptacle, Female                  |     |
| 65   | 0760812     | 1   | Bolt M8 x 25                        |     |
| 66   | 1001116792  | 1   | Clamp                               |     |
| 67   | 1001209949  | 3   | Clamp                               |     |
| 68   | 1001228809  | 4   | Clamp                               |     |

**FIGURE 8-24. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI EXPORT, AUSTRALIAN & CE SPECS)**





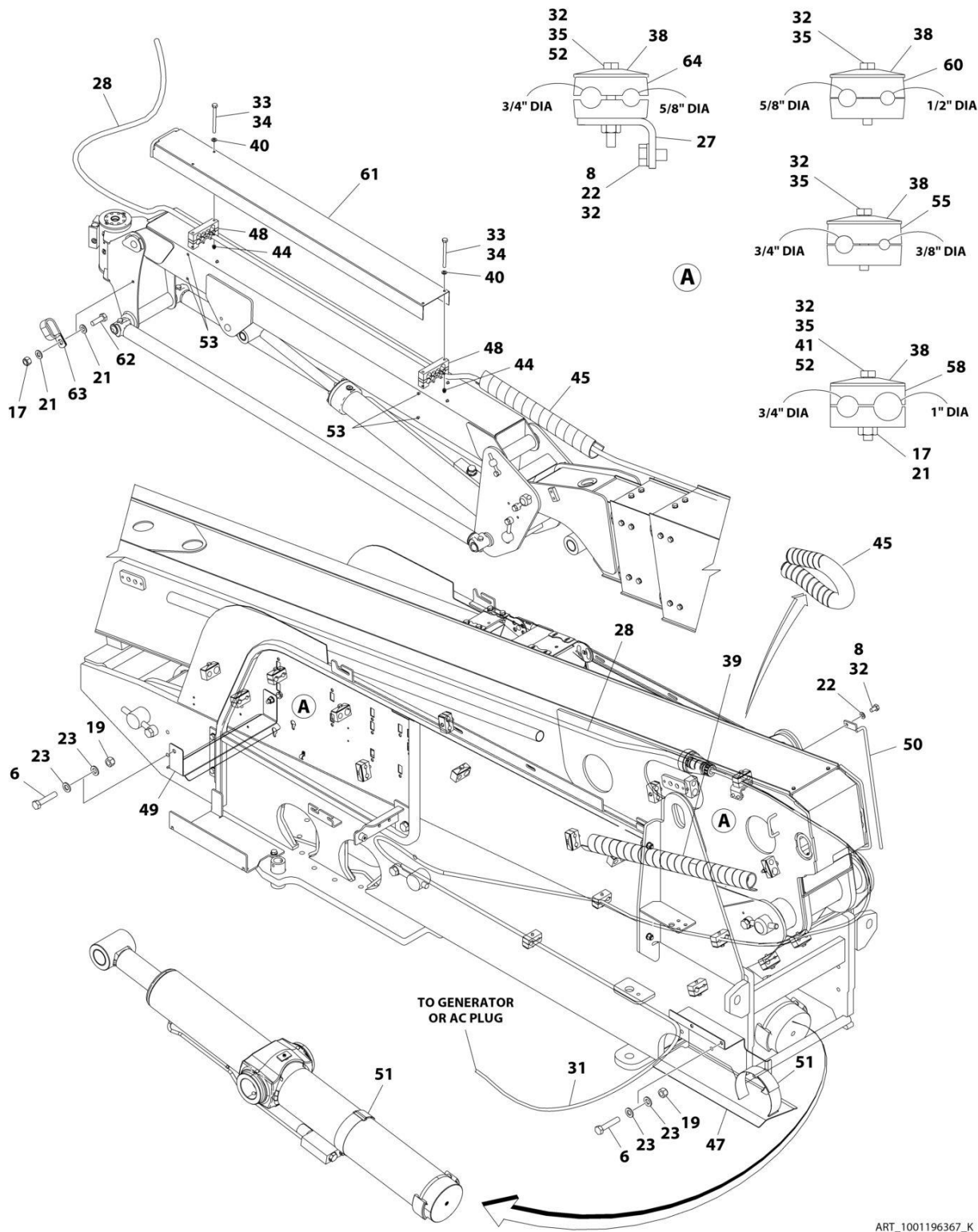
## SECTION 8 - ELECTRICAL

**FIGURE 8-24. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI EXPORT, AUSTRALIAN & CE SPECS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 1001196367  | Ref | AC CABLES AND CLAMPS INSTALLATION   | K   |
| 6    | 0701220     | 4   | Bolt M12 x 60                       |     |
| 8    | 0761009     | 3   | Bolt M10 x 18                       |     |
| 17   | 3290805     | 4   | Nut M8                              |     |
| 19   | 3291205     | 4   | Nut M12                             |     |
| 21   | 4811900     | 5   | Washer M8                           |     |
| 22   | 4812000     | 3   | Washer M10                          |     |
| 23   | 4812100     | 8   | Washer M12                          |     |
| 24   | 1001146588  | 4   | Tie-Strap (Not Shown)               |     |
| 27   | 1001229637  | 1   | Bracket                             |     |
| 28   | 1001195226  | 1   | AC Ground to Platform Cable (Upper) |     |
| 28   | 1001214095  | 1   | Plug, Male                          |     |
| 31   | 1001196368  | 1   | AC Ground to Platform Cable (Lower) |     |
| 31   | 1001214096  | 1   | Receptacle, Female                  |     |
| 32   | 0100011     | AR  | Compound, Locking                   |     |
| 33   | 0100035     | AR  | Compound, Locking                   |     |
| 34   | 0700626     | AR  | Bolt M6 x 90                        |     |
| 34   | 0641424     | AR  | Bolt 1/4 x 3                        |     |
| 35   | 0700818     | 16  | Bolt M8 x 50                        |     |
| 38   | 77133137    | AR  | Cover, Clamp                        |     |
| 39   | 1001204690  | 1   | Shield, Tube                        |     |
| 40   | 4811700     | 4   | Washer M6                           |     |
| 41   | 5281918     | 1   | Capscrew M8 x 70                    |     |
| 44   | 1001176636  | AR  | Rivet - Nut M6                      |     |
| 44   | 2080044     | AR  | Rivet - Nut 1/4                     |     |
| 45   | 1001181923  | AR  | Shield, Tube                        |     |
| 47   | 1001252945  | 1   | Support                             |     |
| 48   | 1001201090  | 2   | Block, Clamp                        |     |
| 49   | 1001201342  | 1   | Support                             |     |
| 50   | 1001202936  | 1   | Guide                               |     |
| 51   | 1001143645  | 2   | Strap, Cinch                        |     |
| 52   | 0700822     | 2   | Bolt M8 x 70                        |     |
| 53   | 3520034     | 8   | Plug                                |     |
| 54   | 4240018     | 4   | Tie-Strap (Not Shown)               |     |
| 55   | 1001209948  | 3   | Clamp                               |     |
| 58   | 1001209951  | 6   | Clamp                               |     |
| 60   | 1001209953  | 7   | Clamp                               |     |
| 61   | 1001209957  | 1   | Cover                               |     |
| 62   | 0760812     | 1   | Bolt M8 x 25                        |     |
| 63   | 1001116792  | 1   | Clamp                               |     |
| 64   | 1001209949  | 3   | Clamp                               |     |

SECTION 8 - ELECTRICAL

FIGURE 8-25. AC CABLES AND CLAMPS INSTALLATION - WITH 2500W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)



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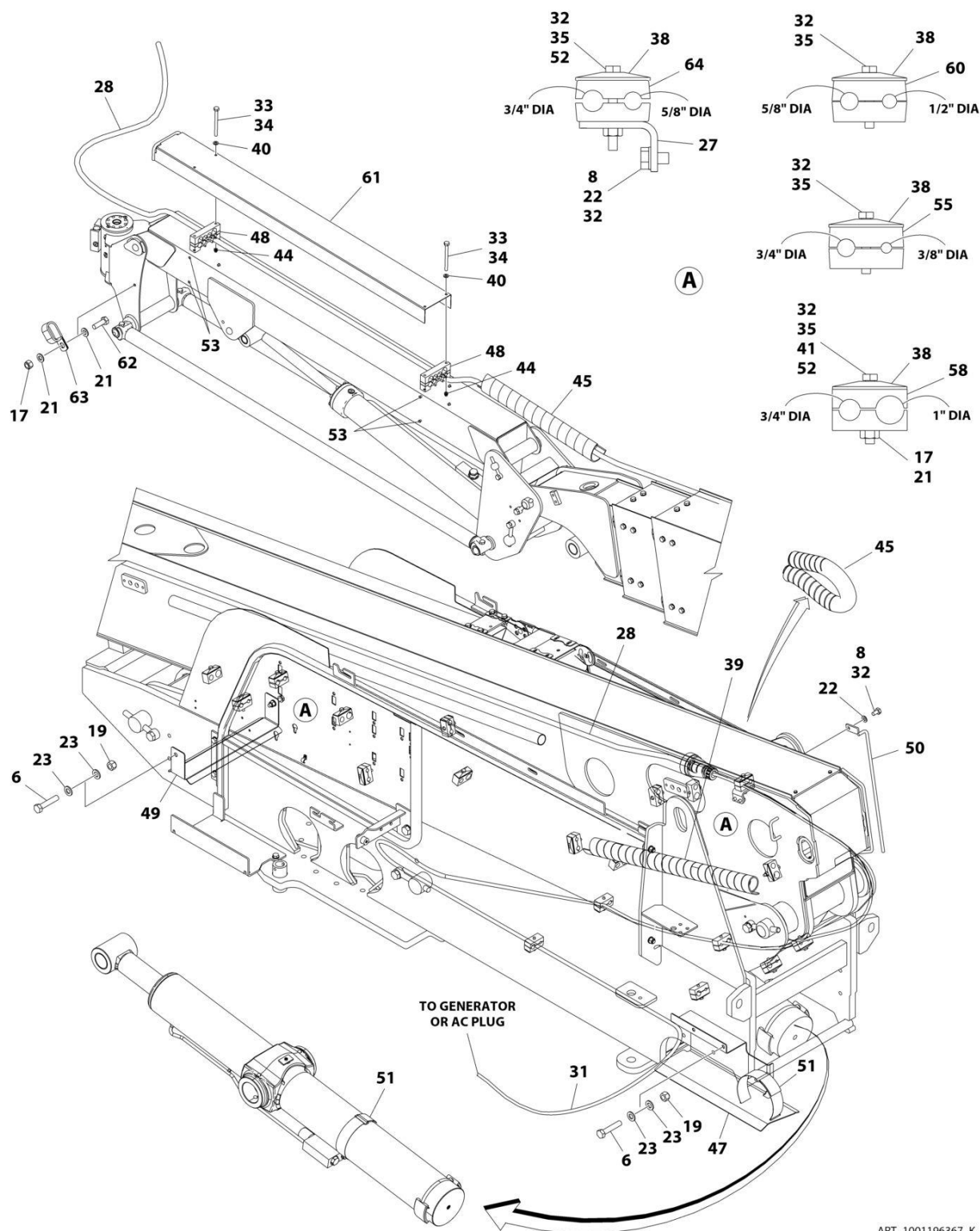
## SECTION 8 - ELECTRICAL

**FIGURE 8-25. AC CABLES AND CLAMPS INSTALLATION - WITH 2500W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 1001196367  | Ref | AC CABLES AND CLAMPS INSTALLATION   | K   |
| 6    | 0701220     | 4   | Bolt M12 x 60                       |     |
| 8    | 0761009     | 3   | Bolt M10 x 18                       |     |
| 17   | 3290805     | 4   | Nut M8                              |     |
| 19   | 3291205     | 4   | Nut M12                             |     |
| 21   | 4811900     | 5   | Washer M8                           |     |
| 22   | 4812000     | 3   | Washer M10                          |     |
| 23   | 4812100     | 8   | Washer M12                          |     |
| 24   | 1001146588  | 4   | Tie-Strap (Not Shown)               |     |
| 27   | 1001229637  | 1   | Bracket                             |     |
| 28   | 1001195226  | 1   | AC Ground to Platform Cable (Upper) |     |
| 28   | 1001214095  | 1   | Plug, Male                          |     |
| 31   | 1001196368  | 1   | AC Ground to Platform Cable (Lower) |     |
| 31   | 1001214096  | 1   | Receptacle, Female                  |     |
| 32   | 0100011     | AR  | Compound, Locking                   |     |
| 33   | 0100035     | AR  | Compound, Locking                   |     |
| 34   | 0700626     | AR  | Bolt M6 x 90                        |     |
| 34   | 0641424     | AR  | Bolt 1/4 x 3                        |     |
| 35   | 0700818     | 16  | Bolt M8 x 50                        |     |
| 38   | 77133137    | AR  | Cover, Clamp                        |     |
| 39   | 1001204690  | 1   | Shield, Tube                        |     |
| 40   | 4811700     | 4   | Washer M6                           |     |
| 41   | 5281918     | 1   | Capscrew M8 x 70                    |     |
| 44   | 1001176636  | AR  | Rivet - Nut M6                      |     |
| 44   | 2080044     | AR  | Rivet - Nut 1/4                     |     |
| 45   | 1001181923  | AR  | Shield, Tube                        |     |
| 47   | 1001252945  | 1   | Support                             |     |
| 48   | 1001201090  | 2   | Block, Clamp                        |     |
| 49   | 1001201342  | 1   | Support                             |     |
| 50   | 1001202936  | 1   | Guide                               |     |
| 51   | 1001143645  | 2   | Strap, Cinch                        |     |
| 52   | 0700822     | 2   | Bolt M8 x 70                        |     |
| 53   | 3520034     | 8   | Plug                                |     |
| 54   | 4240018     | 4   | Tie-Strap (Not Shown)               |     |
| 55   | 1001209948  | 3   | Clamp                               |     |
| 58   | 1001209951  | 6   | Clamp                               |     |
| 60   | 1001209953  | 7   | Clamp                               |     |
| 61   | 1001209957  | 1   | Cover                               |     |
| 62   | 0760812     | 1   | Bolt M8 x 25                        |     |
| 63   | 1001116792  | 1   | Clamp                               |     |
| 64   | 1001209949  | 3   | Clamp                               |     |

## SECTION 8 - ELECTRICAL

**FIGURE 8-26. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN AND CE SPECS) (Prior to SN 0300292972)**



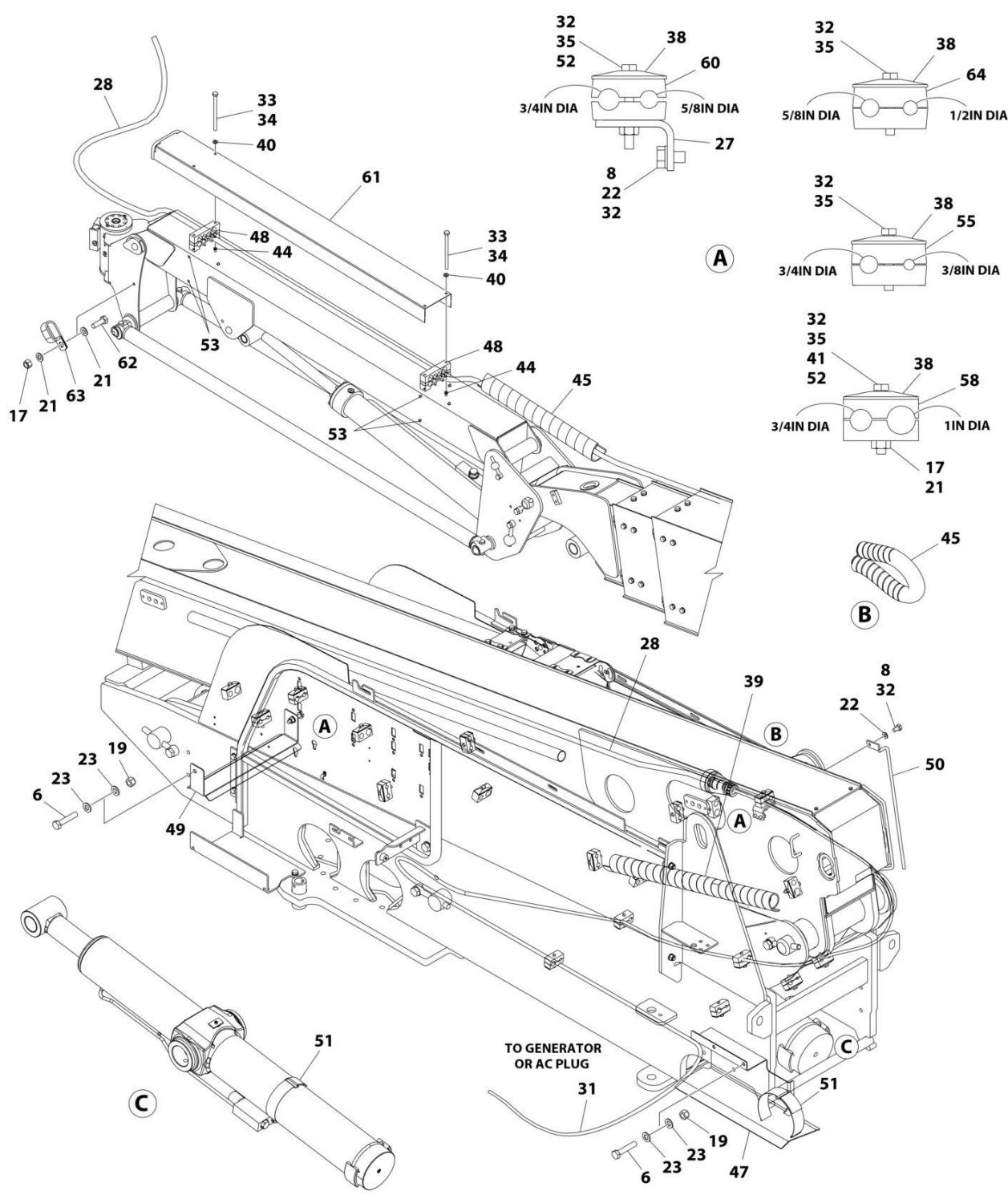
## SECTION 8 - ELECTRICAL

**FIGURE 8-26. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN AND CE SPECS) (Prior to SN 0300292972)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 1001196367  | Ref | AC CABLES AND CLAMPS INSTALLATION   | K   |
| 6    | 0701220     | 4   | Bolt M12 x 60                       |     |
| 8    | 0761009     | 3   | Bolt M10 x 18                       |     |
| 17   | 3290805     | 4   | Nut M8                              |     |
| 19   | 3291205     | 4   | Nut M12                             |     |
| 21   | 4811900     | 5   | Washer M8                           |     |
| 22   | 4812000     | 3   | Washer M10                          |     |
| 23   | 4812100     | 8   | Washer M12                          |     |
| 24   | 1001146588  | 4   | Tie-Strap (Not Shown)               |     |
| 27   | 1001229637  | 1   | Bracket                             |     |
| 28   | 1001195226  | 1   | AC Ground to Platform Cable (Upper) |     |
| 28   | 1001214095  | 1   | Plug, Male                          |     |
| 31   | 1001196368  | 1   | AC Ground to Platform Cable (Lower) |     |
| 31   | 1001214096  | 1   | Receptacle, Female                  |     |
| 32   | 0100011     | AR  | Compound, Locking                   |     |
| 33   | 0100035     | AR  | Compound, Locking                   |     |
| 34   | 0700626     | AR  | Bolt M6 x 90                        |     |
| 34   | 0641424     | AR  | Bolt 1/4 x 3                        |     |
| 35   | 0700818     | 16  | Bolt M8 x 50                        |     |
| 38   | 77133137    | AR  | Cover, Clamp                        |     |
| 39   | 1001204690  | 1   | Shield, Tube                        |     |
| 40   | 4811700     | 4   | Washer M6                           |     |
| 41   | 5281918     | 1   | Capscrew M8 x 70                    |     |
| 44   | 1001176636  | AR  | Rivet - Nut M6                      |     |
| 44   | 2080044     | AR  | Rivet - Nut 1/4                     |     |
| 45   | 1001181923  | AR  | Shield, Tube                        |     |
| 47   | 1001252945  | 1   | Support                             |     |
| 48   | 1001201090  | 2   | Block, Clamp                        |     |
| 49   | 1001201342  | 1   | Support                             |     |
| 50   | 1001202936  | 1   | Guide                               |     |
| 51   | 1001143645  | 2   | Strap, Cinch                        |     |
| 52   | 0700822     | 2   | Bolt M8 x 70                        |     |
| 53   | 3520034     | 8   | Plug                                |     |
| 54   | 4240018     | 4   | Tie-Strap (Not Shown)               |     |
| 55   | 1001209948  | 3   | Clamp                               |     |
| 58   | 1001209951  | 6   | Clamp                               |     |
| 60   | 1001209953  | 7   | Clamp                               |     |
| 61   | 1001209957  | 1   | Cover                               |     |
| 62   | 0760812     | 1   | Bolt M8 x 25                        |     |
| 63   | 1001116792  | 1   | Clamp                               |     |
| 64   | 1001209949  | 3   | Clamp                               |     |

SECTION 8 - ELECTRICAL

FIGURE 8-27. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN AND CE SPECS) (SN 0300292972 to Present)



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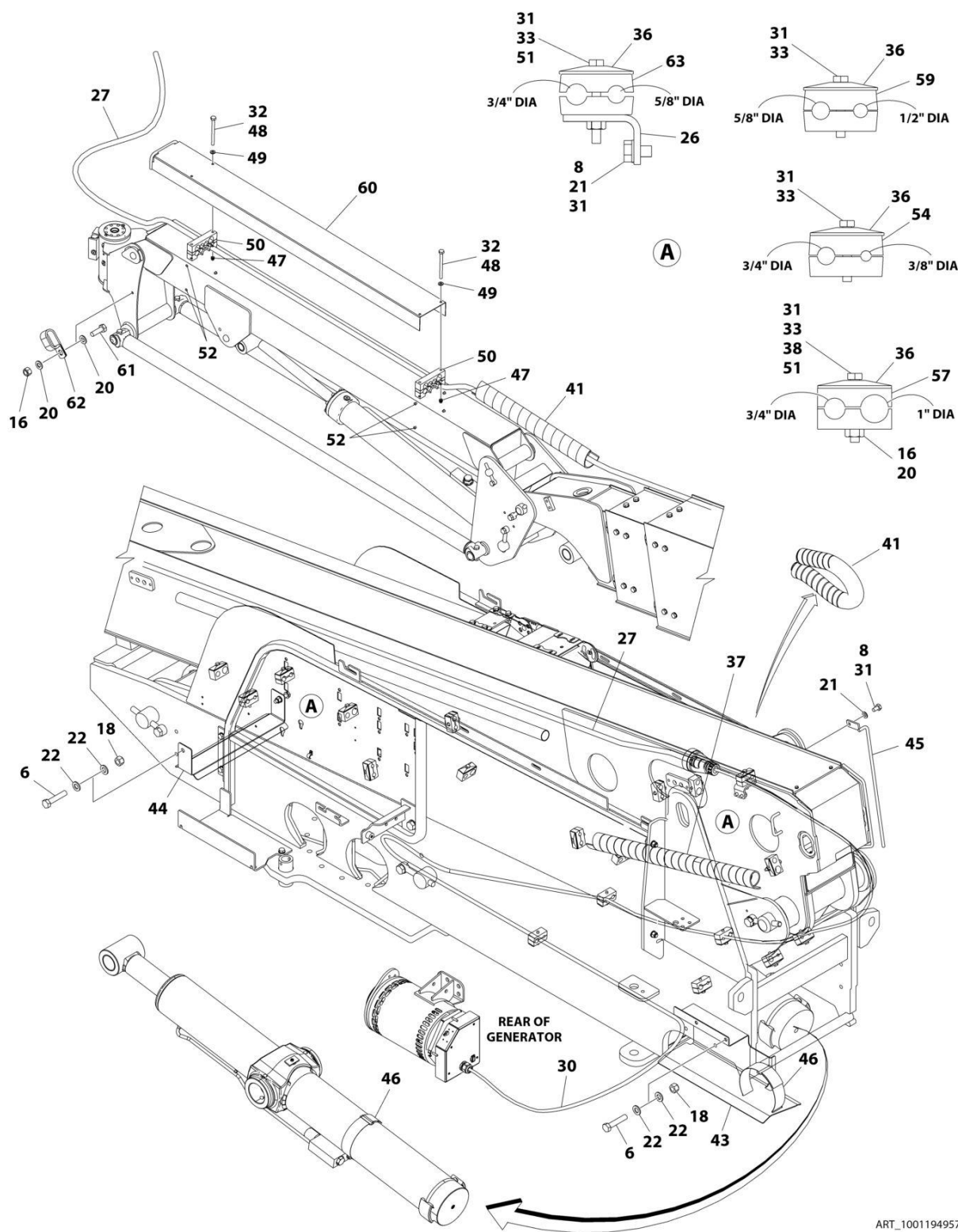
## SECTION 8 - ELECTRICAL

**FIGURE 8-27. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN AND CE SPECS) (SN 0300292972 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 1001196367  | Ref | AC CABLES AND CLAMPS INSTALLATION   | M   |
| 6    | 0701220     | 4   | Bolt M12 x 60                       |     |
| 8    | 0761009     | 3   | Bolt M10 x 18                       |     |
| 17   | 3290805     | 4   | Nut M8                              |     |
| 19   | 3291205     | 4   | Nut M12                             |     |
| 21   | 4811900     | 5   | Washer M8                           |     |
| 22   | 4812000     | 3   | Washer M10                          |     |
| 23   | 4812100     | 8   | Washer M12                          |     |
| 24   | 1001146588  | 4   | Tie-Strap (Not Shown)               |     |
| 27   | 1001229637  | 1   | Bracket                             |     |
| 28   | 1001195226  | 1   | AC Ground to Platform Cable (Upper) |     |
| 28   | 1001214095  | 1   | Plug, Male                          |     |
| 31   | 1001196368  | 1   | AC Ground to Platform Cable (Lower) |     |
| 31   | 1001214096  | 1   | Receptacle, Female                  |     |
| 32   | 0100011     | AR  | Compound, Locking                   |     |
| 33   | 0100035     | AR  | Compound, Locking                   |     |
| 34   | 0700626     | 4   | Bolt M6 x 90                        |     |
| 35   | 0700818     | 16  | Bolt M8 x 50                        |     |
| 38   | 77133137    | 13  | Cover, Clamp                        |     |
| 39   | 1001204690  | 1   | Shield, Tube                        |     |
| 40   | 4811700     | 4   | Washer M6                           |     |
| 41   | 5281918     | 1   | Capscrew M8 x 70                    |     |
| 44   | 1001260680  | 4   | Rivet - Nut M6                      |     |
| 45   | 1001181923  | AR  | Shield, Tube                        |     |
| 47   | 1001252945  | 1   | Support                             |     |
| 48   | 1001201090  | 2   | Block, Clamp                        |     |
| 49   | 1001201342  | 1   | Support                             |     |
| 50   | 1001202936  | 1   | Guide                               |     |
| 51   | 1001143645  | 2   | Strap, Cinch                        |     |
| 52   | 0700822     | 2   | Bolt M8 x 70                        |     |
| 53   | 3520034     | 8   | Plug                                |     |
| 54   | 4240018     | 4   | Tie-Strap (Not Shown)               |     |
| 55   | 1001209948  | 3   | Clamp                               |     |
| 58   | 1001209951  | 6   | Clamp                               |     |
| 60   | 1001209953  | 7   | Clamp                               |     |
| 61   | 1001209957  | 1   | Cover                               |     |
| 62   | 0760812     | 1   | Bolt M8 x 25                        |     |
| 63   | 1001116792  | 1   | Clamp                               |     |
| 64   | 1001209949  | 3   | Clamp                               |     |
| 65   | 0700819     | 1   | Bolt M8 x 55 (Not Shown)            |     |

SECTION 8 - ELECTRICAL

FIGURE 8-28. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS) (Prior to SN 0300292972)



ART\_1001194957\_K



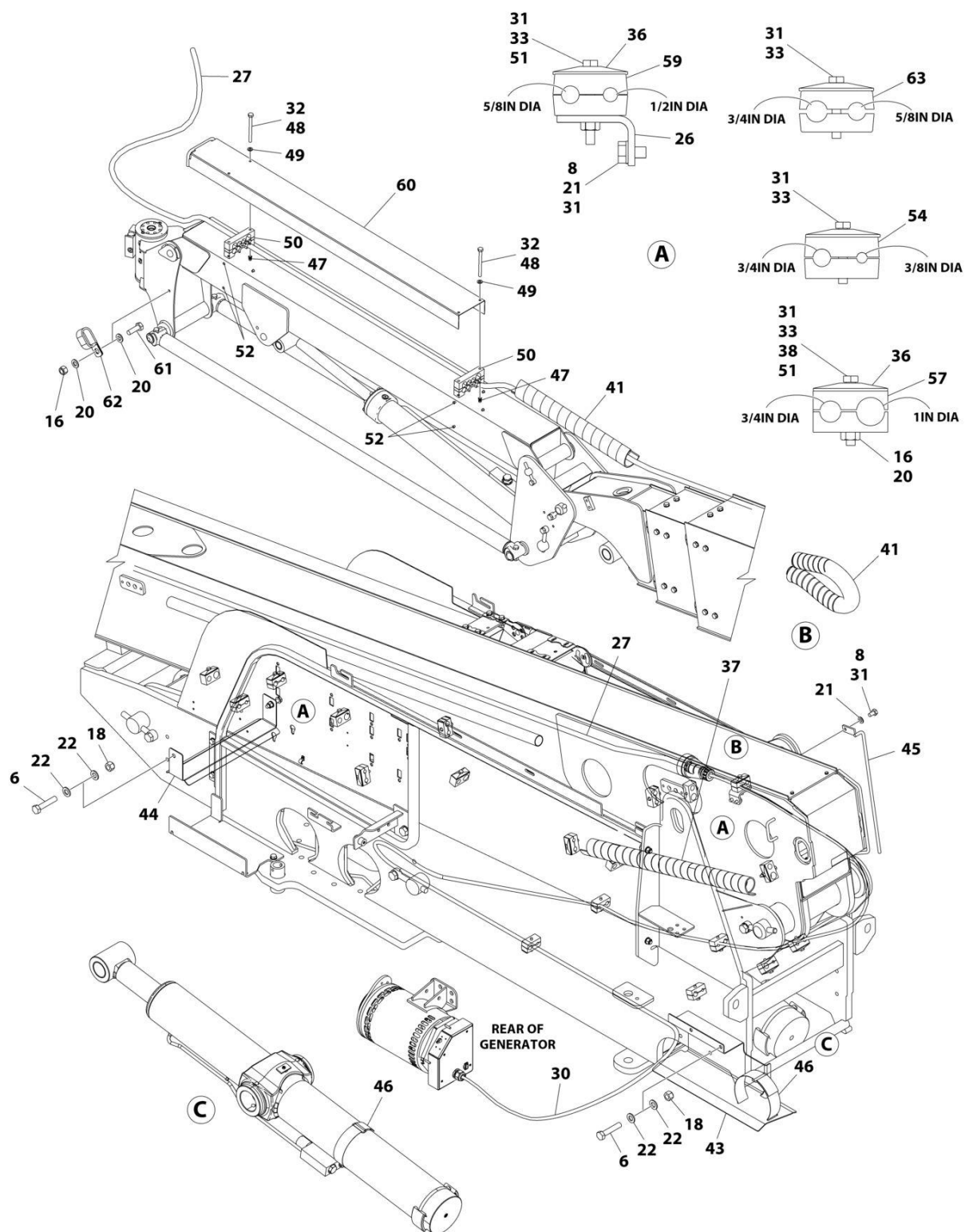
## SECTION 8 - ELECTRICAL

**FIGURE 8-28. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS) (Prior to SN 0300292972)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 1001194957  | Ref | AC CABLES AND CLAMPS INSTALLATION   | K   |
| 6    | 0701220     | 4   | Bolt M12 x 60                       |     |
| 8    | 0761009     | 3   | Bolt M10 x 18                       |     |
| 16   | 3290805     | 4   | Nut M8                              |     |
| 18   | 3291205     | 4   | Nut M12                             |     |
| 20   | 4811900     | 5   | Washer M8                           |     |
| 21   | 4812000     | 3   | Washer M10                          |     |
| 22   | 4812100     | 8   | Washer M12                          |     |
| 23   | 1001146588  | 4   | Tie-Strap (Not Shown)               |     |
| 26   | 1001229637  | 1   | Bracket                             |     |
| 27   | 1001228187  | 1   | AC Ground to Platform Cable (Upper) |     |
| 27   | 4460959     | 1   | Plug, Male                          |     |
| 27   | 1671093     | 1   | Cover, Plug                         |     |
| 30   | 1001228188  | 1   | AC Ground to Platform Cable (Lower) |     |
| 30   | 4460960     | 1   | Receptacle, Female                  |     |
| 30   | 1671092     | 1   | Cover, Receptacle                   |     |
| 31   | 0100011     | AR  | Compound, Locking                   |     |
| 32   | 0100035     | AR  | Compound, Locking                   |     |
| 33   | 0700818     | 16  | Bolt M8 x 50                        |     |
| 36   | 77133137    | 19  | Cover, Clamp                        |     |
| 37   | 1001204690  | 1   | Shield, Tube                        |     |
| 38   | 5281918     | 1   | Capscrew M8 x 70                    |     |
| 41   | 1001181923  | AR  | Shield, Tube                        |     |
| 43   | 1001252945  | 1   | Support                             |     |
| 44   | 1001201342  | 1   | Support                             |     |
| 45   | 1001202936  | 1   | Guide                               |     |
| 46   | 1001143645  | 2   | Strap, Cinch                        |     |
| 47   | 2080044     | 4   | Rivet - Nut 1/4                     |     |
| 48   | 0641424     | 4   | Bolt 1/4 x 3                        |     |
| 49   | 4811700     | 4   | Washer M6                           |     |
| 50   | 1001201090  | 2   | Block, Clamp                        |     |
| 51   | 0700822     | 2   | Bolt M8 x 70                        |     |
| 52   | 3520034     | 8   | Plug                                |     |
| 53   | 4240018     | 4   | Tie-Strap (Not Shown)               |     |
| 54   | 1001209948  | 3   | Clamp                               |     |
| 57   | 1001209951  | 6   | Clamp                               |     |
| 59   | 1001209953  | 7   | Clamp                               |     |
| 60   | 1001209957  | 1   | Cover                               |     |
| 61   | 0760812     | 1   | Bolt M8 x 25                        |     |
| 62   | 1001116792  | 1   | Clamp                               |     |
| 63   | 1001209949  | 3   | Clamp                               |     |

SECTION 8 - ELECTRICAL

FIGURE 8-29. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS) (SN 0300292972 to Present)



ART\_1001194957\_M

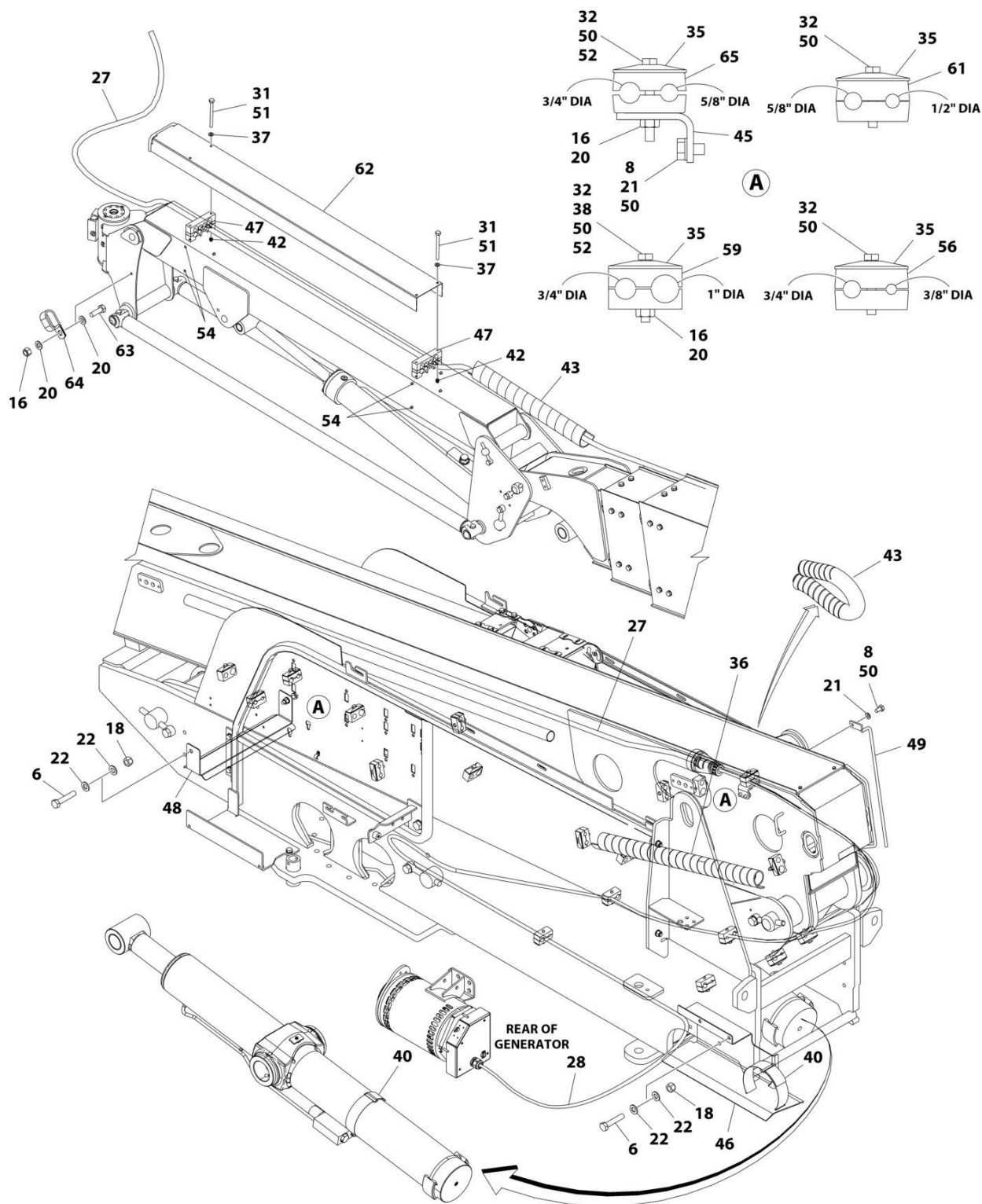
## SECTION 8 - ELECTRICAL

**FIGURE 8-29. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN & CE SPECS) (SN 0300292972 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 1001194957  | Ref | AC CABLES AND CLAMPS INSTALLATION   | M   |
| 6    | 0701220     | 4   | Bolt M12 x 60                       |     |
| 8    | 0761009     | 3   | Bolt M10 x 18                       |     |
| 16   | 3290805     | 4   | Nut M8                              |     |
| 18   | 3291205     | 4   | Nut M12                             |     |
| 20   | 4811900     | 5   | Washer M8                           |     |
| 21   | 4812000     | 3   | Washer M10                          |     |
| 22   | 4812100     | 8   | Washer M12                          |     |
| 23   | 1001146588  | 4   | Tie-Strap (Not Shown)               |     |
| 26   | 1001229637  | 1   | Bracket                             |     |
| 27   | 1001228187  | 1   | AC Ground to Platform Cable (Upper) |     |
| 27   | 4460959     | 1   | Plug, Male                          |     |
| 27   | 1671093     | 1   | Cover, Plug                         |     |
| 30   | 1001228188  | 1   | AC Ground to Platform Cable (Lower) |     |
| 30   | 4460960     | 1   | Receptacle, Female                  |     |
| 30   | 1671092     | 1   | Cover, Receptacle                   |     |
| 31   | 0100011     | AR  | Compound, Locking                   |     |
| 32   | 0100035     | AR  | Compound, Locking                   |     |
| 33   | 0700818     | 16  | Bolt M8 x 50                        |     |
| 36   | 77133137    | 13  | Cover, Clamp                        |     |
| 37   | 1001204690  | 1   | Shield, Tube                        |     |
| 38   | 5281918     | 1   | Capscrew M8 x 70                    |     |
| 41   | 1001181923  | AR  | Shield, Tube                        |     |
| 43   | 1001252945  | 1   | Support                             |     |
| 44   | 1001201342  | 1   | Support                             |     |
| 45   | 1001202936  | 1   | Guide                               |     |
| 46   | 1001143645  | 2   | Strap, Cinch                        |     |
| 47   | 1001260680  | 4   | Rivet M6                            |     |
| 48   | 0700626     | 4   | Bolt M6 x 90                        |     |
| 49   | 4811700     | 4   | Washer M6                           |     |
| 50   | 1001201090  | 2   | Block, Clamp                        |     |
| 51   | 0700822     | 2   | Bolt M8 x 70                        |     |
| 52   | 3520034     | 8   | Plug                                |     |
| 53   | 4240018     | AR  | Tie-Strap (Not Shown)               |     |
| 54   | 1001209948  | 3   | Clamp                               |     |
| 57   | 1001209951  | 6   | Clamp                               |     |
| 59   | 1001209953  | 7   | Clamp                               |     |
| 60   | 1001209957  | 1   | Cover                               |     |
| 61   | 0760812     | 1   | Bolt M8 x 25                        |     |
| 62   | 1001116792  | 1   | Clamp                               |     |
| 63   | 1001209949  | 3   | Clamp                               |     |
| 64   | 0700819     | 1   | Bolt M8 x 55 (Not Shown)            |     |

SECTION 8 - ELECTRICAL

FIGURE 8-30. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR  
(Prior to SN 0300292972)



ART\_1001194962\_L

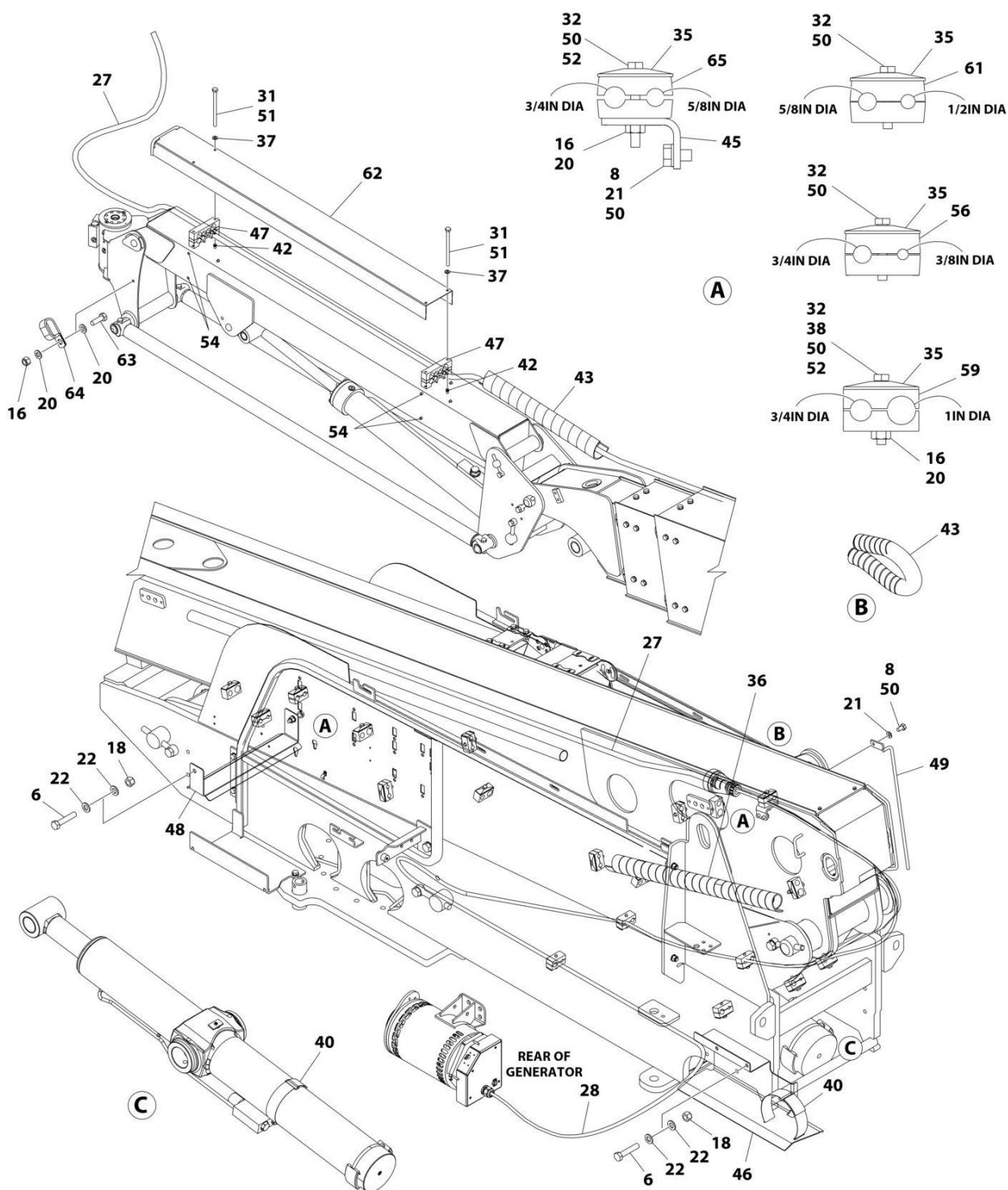
## SECTION 8 - ELECTRICAL

**FIGURE 8-30. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR  
(Prior to SN 0300292972)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 1001194962  | Ref | AC CABLES AND CLAMPS INSTALLATION   | L   |
| 6    | 0701220     | 4   | Bolt M12 x 60                       |     |
| 8    | 0761009     | 3   | Bolt M10 x 18                       |     |
| 16   | 3290805     | 4   | Nut M8                              |     |
| 18   | 3291205     | 4   | Nut M12                             |     |
| 20   | 4811900     | 5   | Washer M8                           |     |
| 21   | 4812000     | 3   | Washer M10                          |     |
| 22   | 4812100     | 8   | Washer M12                          |     |
| 23   | 1001146588  | 4   | Tie-Strap (Not Shown)               |     |
| 27   | 1001227075  | 1   | AC Ground to Platform Cable (Upper) |     |
| 27   | 4460959     | 1   | Plug, Male                          |     |
| 27   | 1671093     | 1   | Cover, Plug                         |     |
| 28   | 1001226304  | 1   | AC Ground to Platform Cable (Lower) |     |
| 28   | 4460960     | 1   | Receptacle, Female                  |     |
| 28   | 1671092     | 1   | Cover, Receptacle                   |     |
| 31   | 0700626     | AR  | Bolt M6 x 90                        |     |
| 31   | 0641424     | AR  | Bolt 1/4 x 3                        |     |
| 32   | 0700818     | 16  | Bolt M8 x 50                        |     |
| 35   | 77133137    | AR  | Cover, Clamp                        |     |
| 36   | 1001204690  | 1   | Shield, Tube                        |     |
| 37   | 4811700     | 4   | Washer M6                           |     |
| 38   | 5281918     | 1   | Capscrew M8 x 70                    |     |
| 40   | 1001143645  | 2   | Strap, Cinch                        |     |
| 42   | 1001176636  | AR  | Rivet - Nut M6                      |     |
| 42   | 2080044     | AR  | Rivet - Nut 1/4                     |     |
| 43   | 1001181923  | AR  | Shield, Tube                        |     |
| 45   | 1001229637  | 1   | Bracket                             |     |
| 46   | 1001252945  | 1   | Support                             |     |
| 47   | 1001201090  | 2   | Block, Clamp                        |     |
| 48   | 1001201342  | 1   | Support                             |     |
| 49   | 1001202936  | 1   | Guide                               |     |
| 50   | 0100011     | AR  | Compound, Locking                   |     |
| 51   | 0100035     | AR  | Compound, Locking                   |     |
| 52   | 0700822     | 2   | Bolt M8 x 70                        |     |
| 54   | 3520034     | 8   | Plug                                |     |
| 55   | 4240018     | 4   | Tie-Strap (Not Shown)               |     |
| 56   | 1001209948  | 3   | Clamp                               |     |
| 59   | 1001209951  | 6   | Clamp                               |     |
| 61   | 1001209953  | 3   | Clamp                               |     |
| 62   | 1001209957  | 1   | Cover                               |     |
| 63   | 0760812     | 1   | Bolt M8 x 25                        |     |
| 64   | 1001116792  | 1   | Clamp                               |     |
| 65   | 1001209949  | 7   | Clamp                               |     |
| 66   | 0700819     | 1   | Bolt M8 x 55 (Not Shown)            |     |

## SECTION 8 - ELECTRICAL

**FIGURE 8-31. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR  
(SN 0300292972 to Present)**



ART\_1001194962\_N

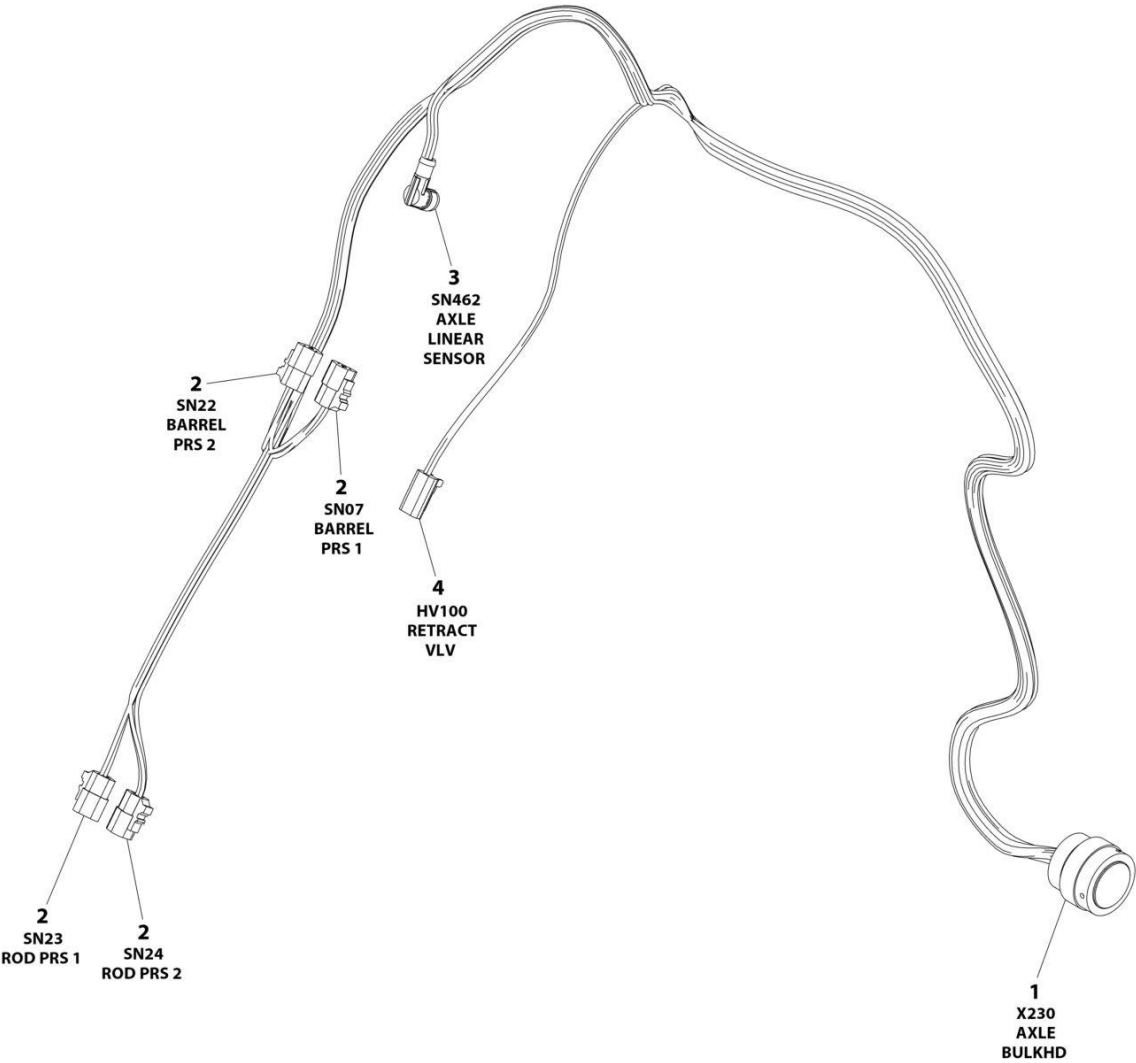
## SECTION 8 - ELECTRICAL

**FIGURE 8-31. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR  
(SN 0300292972 to Present)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 1001194962  | Ref | AC CABLES AND CLAMPS INSTALLATION   | N   |
| 6    | 0701220     | 4   | Bolt M12 x 60                       |     |
| 8    | 0761009     | 3   | Bolt M10 x 18                       |     |
| 16   | 3290805     | 4   | Nut M8                              |     |
| 18   | 3291205     | 4   | Nut M12                             |     |
| 20   | 4811900     | 5   | Washer M8                           |     |
| 21   | 4812000     | 3   | Washer M10                          |     |
| 22   | 4812100     | 8   | Washer M12                          |     |
| 23   | 1001146588  | 4   | Tie-Strap (Not Shown)               |     |
| 27   | 1001227075  | 1   | AC Ground to Platform Cable (Upper) |     |
| 27   | 4460959     | 1   | Plug, Male                          |     |
| 27   | 1671093     | 1   | Cover, Plug                         |     |
| 28   | 1001226304  | 1   | AC Ground to Platform Cable (Lower) |     |
| 28   | 4460960     | 1   | Receptacle, Female                  |     |
| 28   | 1671092     | 1   | Cover, Receptacle                   |     |
| 31   | 0700626     | 4   | Bolt M6 x 90                        |     |
| 32   | 0700818     | 16  | Bolt M8 x 50                        |     |
| 35   | 77133137    | 9   | Cover, Clamp                        |     |
| 36   | 1001204690  | 1   | Shield, Tube                        |     |
| 37   | 4811700     | 4   | Washer M6                           |     |
| 38   | 5281918     | 1   | Capscrew M8 x 70                    |     |
| 40   | 1001143645  | 2   | Strap, Cinch                        |     |
| 42   | 1001260680  | 4   | Rivet M6                            |     |
| 43   | 1001181923  | AR  | Shield, Tube                        |     |
| 45   | 1001229637  | 1   | Bracket                             |     |
| 46   | 1001252945  | 1   | Support                             |     |
| 47   | 1001201090  | 2   | Block, Clamp                        |     |
| 48   | 1001201342  | 1   | Support                             |     |
| 49   | 1001202936  | 1   | Guide                               |     |
| 50   | 0100011     | AR  | Compound, Locking                   |     |
| 51   | 0100035     | AR  | Compound, Locking                   |     |
| 52   | 0700822     | 2   | Bolt M8 x 70                        |     |
| 54   | 3520034     | 8   | Plug                                |     |
| 55   | 4240018     | AR  | Tie-Strap (Not Shown)               |     |
| 56   | 1001209948  | 3   | Clamp                               |     |
| 59   | 1001209951  | 6   | Clamp                               |     |
| 61   | 1001209953  | 3   | Clamp                               |     |
| 62   | 1001209957  | 1   | Cover                               |     |
| 63   | 0760812     | 1   | Bolt M8 x 25                        |     |
| 64   | 1001116792  | 1   | Clamp                               |     |
| 65   | 1001209949  | 7   | Clamp                               |     |
| 66   | 0700819     | 1   | Bolt M8 x 55 (Not Shown)            |     |

SECTION 8 - ELECTRICAL

FIGURE 8-32. AXLE HARNESS



ART\_1001236349



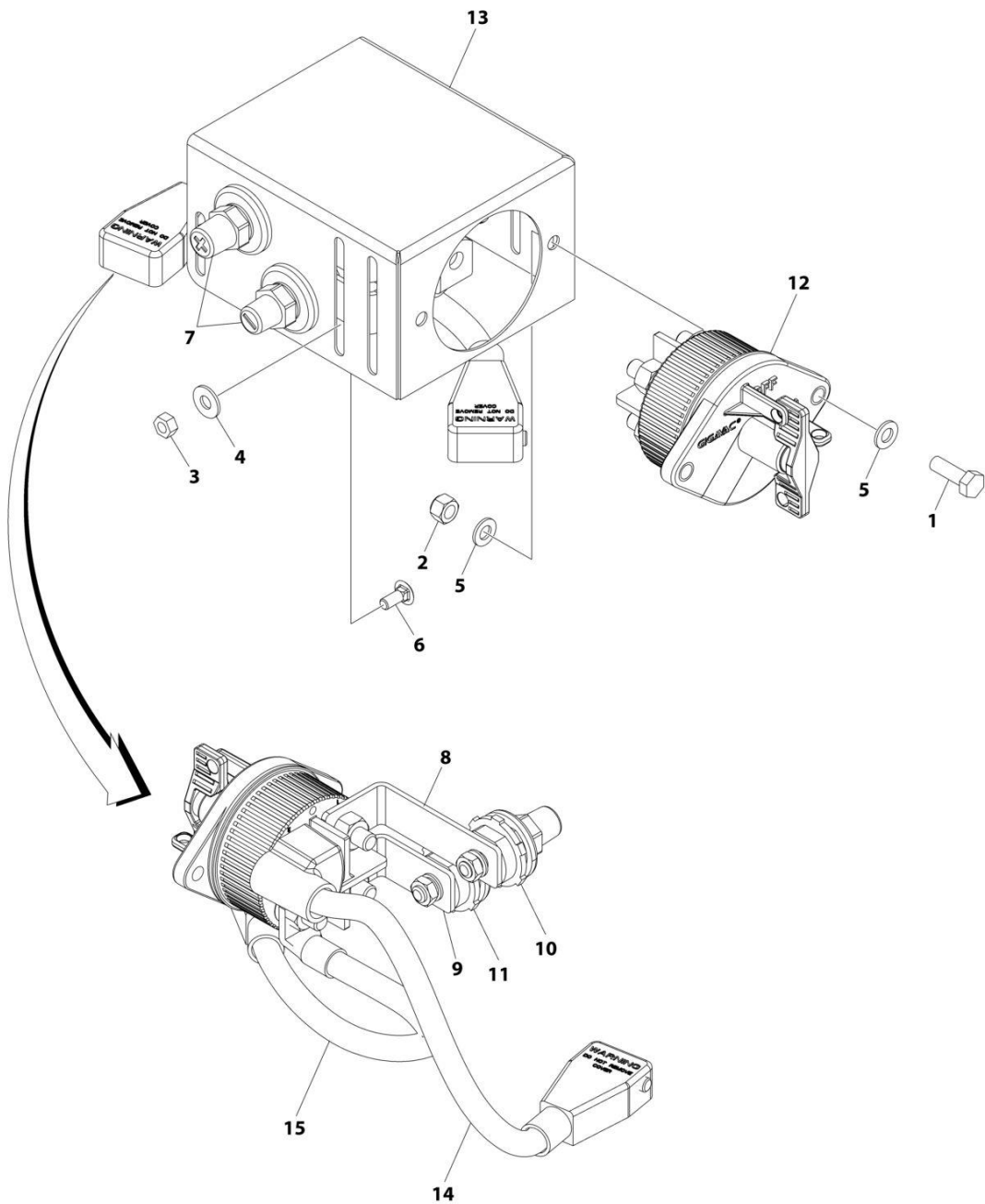
## SECTION 8 - ELECTRICAL

**FIGURE 8-32. AXLE HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                  | REV |
|------|-------------|-----|------------------------------|-----|
|      | 1001236349  | Ref | AXLE HARNESS                 | E   |
| 1    | 1001147923  | 1   | Connector - 23 Position      |     |
| 1    | 4460465     | 19  | Socket, Female               |     |
| 1    | 4460466     | 4   | Plug, Terminal               |     |
| 2    | 4460539     | 4   | Plug, Male - 3 Position      |     |
| 2    | 4460465     | 12  | Socket, Female               |     |
| 3    | 1001242578  | 1   | Plug - 5 Position with Cable |     |
| 4    | 4460891     | 1   | Plug, Male - 2 Position      |     |
| 4    | 4460465     | 2   | Socket, Female               |     |

SECTION 8 - ELECTRICAL

FIGURE 8-33. BATTERY DISCONNECT SWITCH INSTALLATION



ART\_1001236304

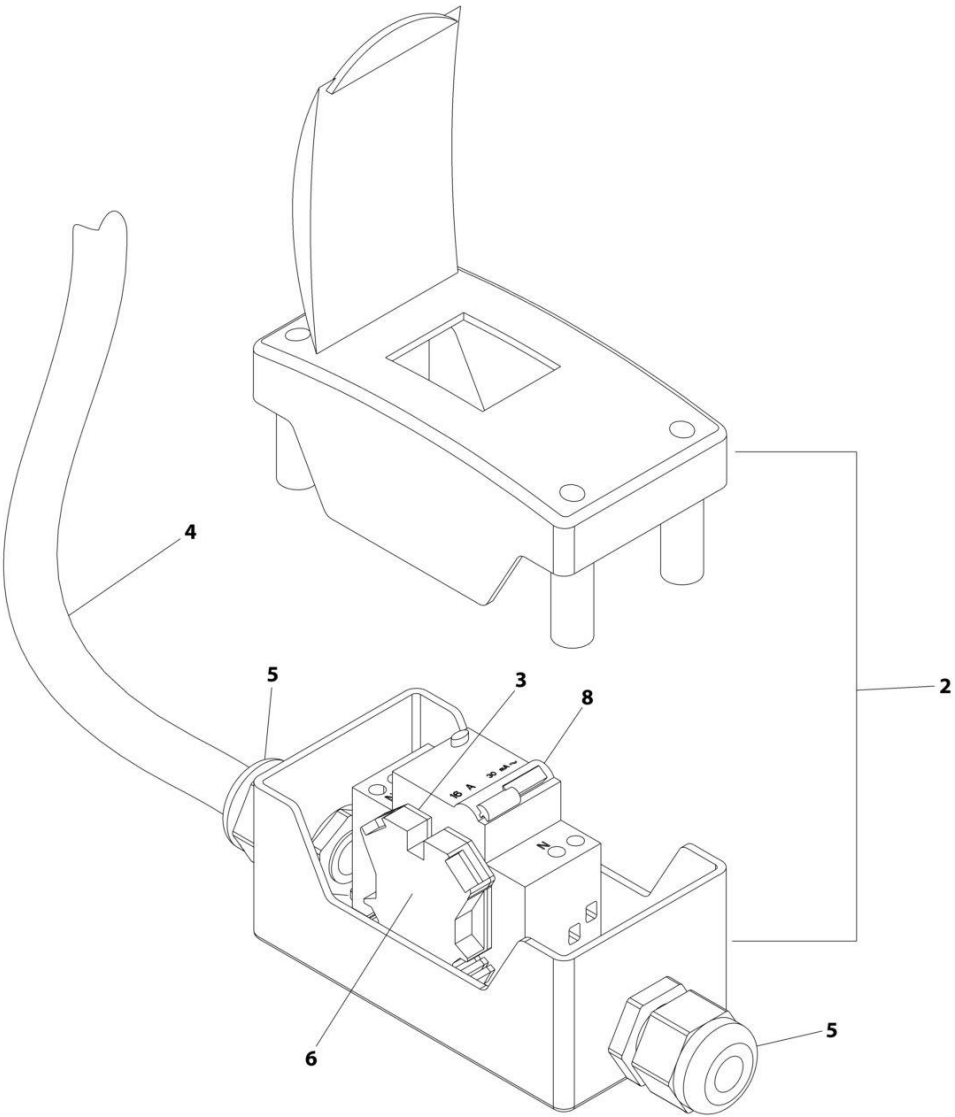
## SECTION 8 - ELECTRICAL

**FIGURE 8-33. BATTERY DISCONNECT SWITCH INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                            | REV |
|------|-------------|-----|----------------------------------------|-----|
|      | 1001236304  | Ref | BATTERY DISCONNECT SWITCH INSTALLATION | A   |
| 1    | 0760812     | 2   | Bolt M8 x 25                           |     |
| 2    | 3290805     | 2   | Nut M8                                 |     |
| 3    | 3311405     | 3   | Nut 1/4                                |     |
| 4    | 4751400     | 3   | Washer 1/4                             |     |
| 5    | 4811900     | 4   | Washer M8                              |     |
| 6    | 88411013    | 3   | Bolt 1/4 x 3/4                         |     |
| 7    | 1001206476  | 1   | Connectors, Post                       |     |
| 8    | 1001209432  | 1   | Bussbar                                |     |
| 9    | 1001209474  | 1   | Bussbar                                |     |
| 10   | 1001214570  | 1   | Connector (Red)                        |     |
| 11   | 1001214571  | 1   | Connector (Black)                      |     |
| 12   | 1001225346  | 1   | Switch, Battery                        |     |
| 13   | 1001226531  | 1   | Mount                                  |     |
| 14   | 1001236504  | 1   | Cable, Battery (+)                     |     |
| 15   | 1001236505  | 1   | Cable, Battery (-)                     |     |

**SECTION 8 - ELECTRICAL**

**FIGURE 8-34. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITHOUT 4000W/50HZ GENERATOR)**



ART\_2902549\_F

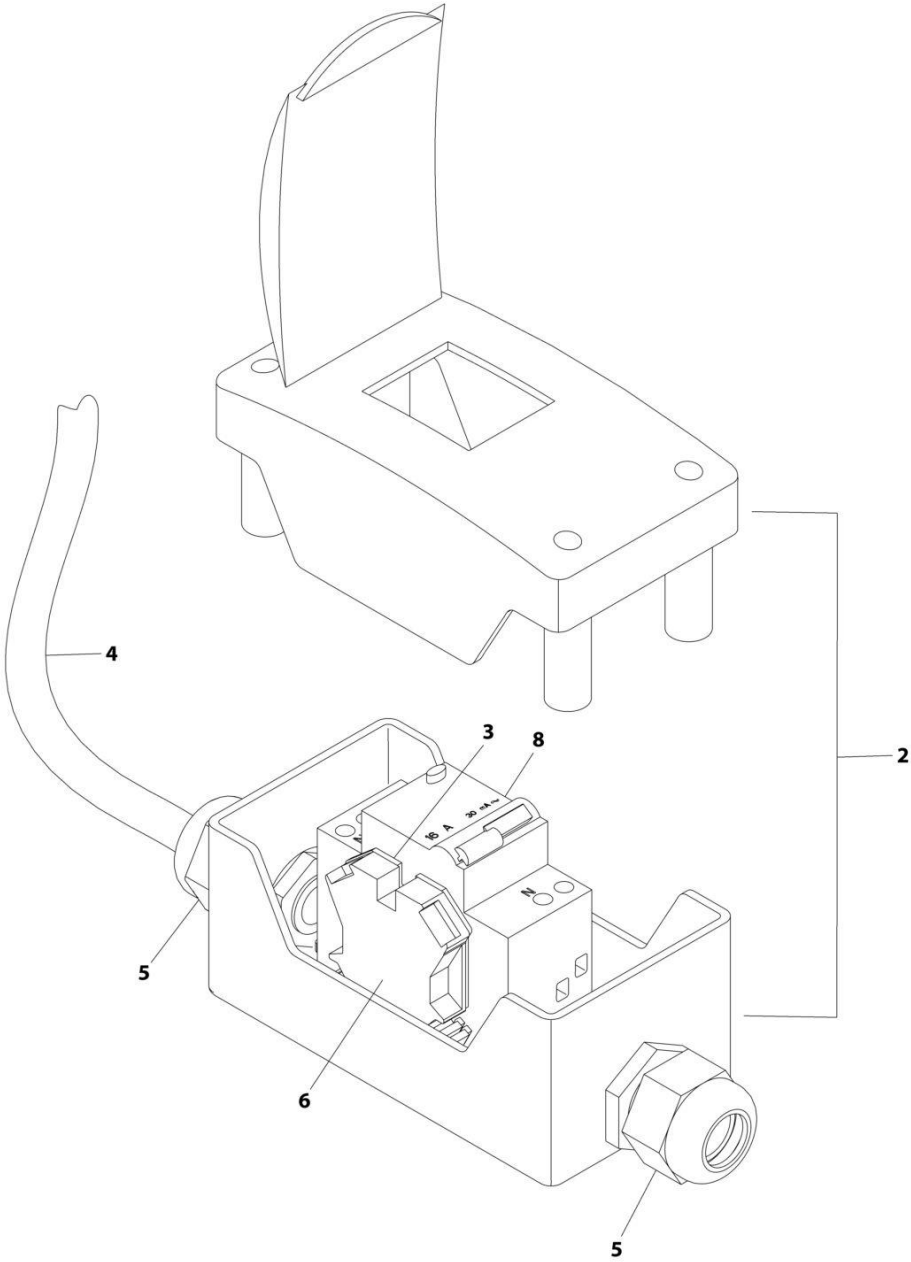
## SECTION 8 - ELECTRICAL

**FIGURE 8-34. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITHOUT 4000W/50HZ GENERATOR)**

| ITEM | PART NUMBER | QTY       | DESCRIPTION              | REV |
|------|-------------|-----------|--------------------------|-----|
|      | 2902549     | Ref       | BREAKER BOX KIT          | F   |
| 2    | 0861880     | 1         | Box                      |     |
| 3    | 4460956     | 1         | Barrier, Terminal        |     |
| 4    | 1060908     | 6 ft/1.8m | Cable, 12/3              |     |
| 5    | 1001097150  | 2         | Connector, Strain Relief |     |
| 6    | 4460957     | 1         | Block, Terminal          |     |
| 8    | 1001181045  | 1         | Breaker, 16Amp           |     |

SECTION 8 - ELECTRICAL

FIGURE 8-35. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITH 4000W/50HZ GENERATOR)



ART\_1001096070

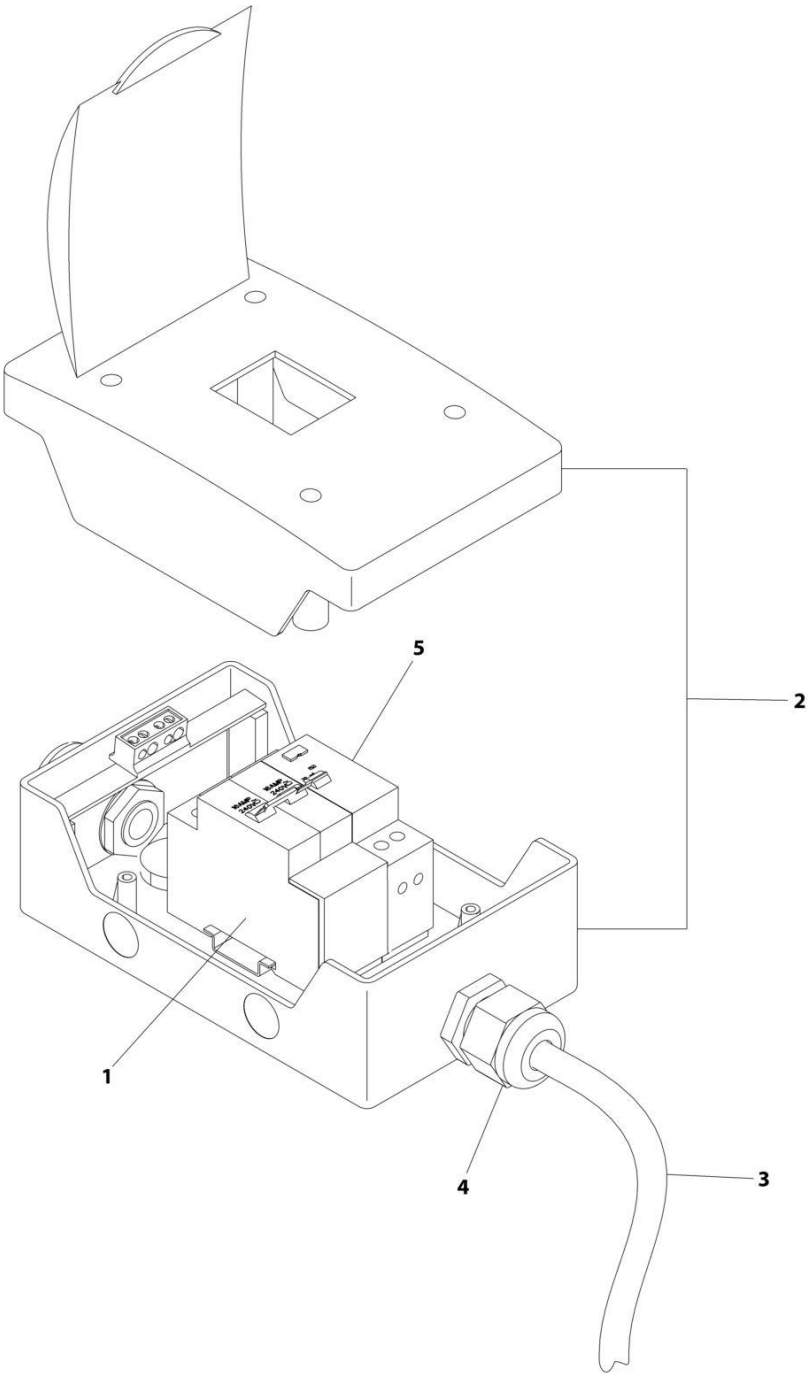
## SECTION 8 - ELECTRICAL

**FIGURE 8-35. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITH 4000W/50HZ GENERATOR)**

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

SECTION 8 - ELECTRICAL

FIGURE 8-36. BREAKER BOX KIT - 3 BREAKERS



ART\_1001152486\_C



## SECTION 8 - ELECTRICAL

**FIGURE 8-36. BREAKER BOX KIT - 3 BREAKERS**

| ITEM | PART NUMBER | QTY             | DESCRIPTION              | REV |
|------|-------------|-----------------|--------------------------|-----|
|      | 1001152486  | Ref             | BREAKER BOX KIT          | C   |
| 1    | 1001189172  | 1               | Breaker, 16 Amp (Double) |     |
| 2    | 1001152483  | 1               | Box                      |     |
| 3    | 1060908     | 12 ft/<br>3.66m | Cable, 12/3              |     |
| 4    | 1001097150  | 1               | Connector, Strain Relief |     |
| 5    | 1001189171  | 1               | Breaker, 30mA            |     |

SECTION 8 - ELECTRICAL

FIGURE 8-37. BOOM ANGLE SENSOR HARNESS



ART\_1001189005

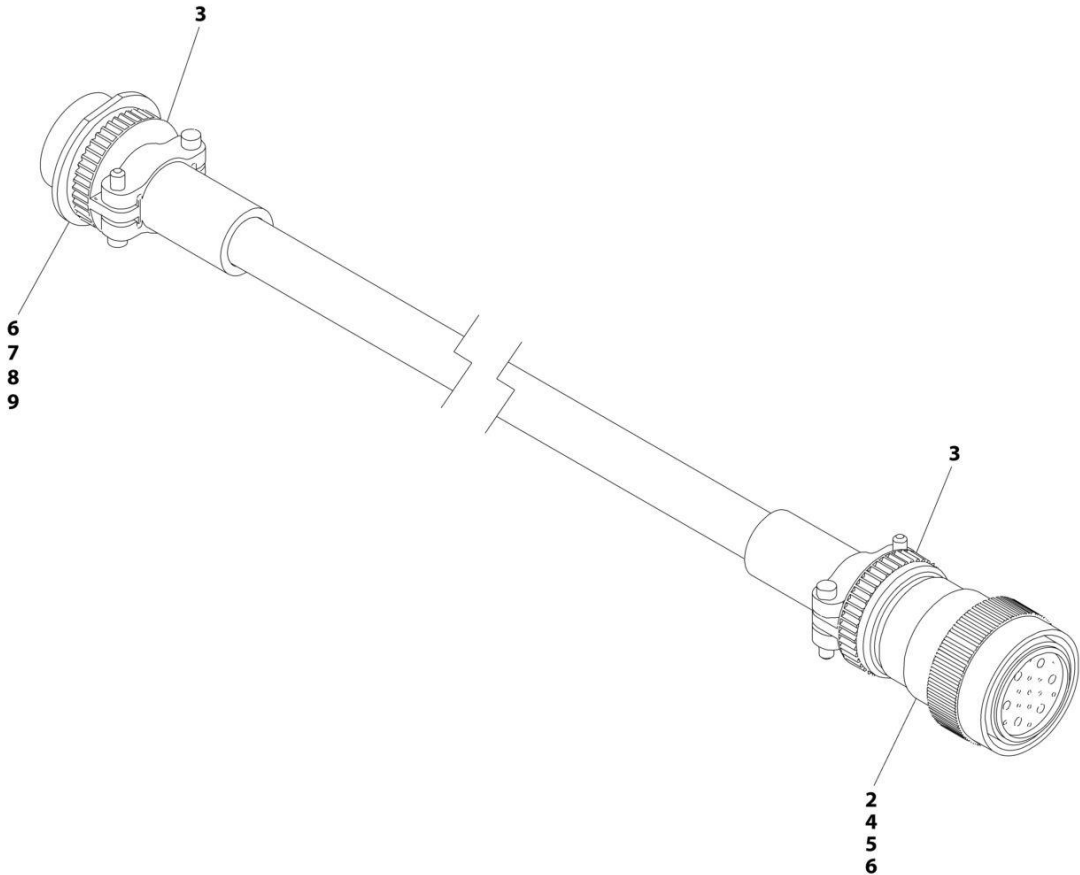
## SECTION 8 - ELECTRICAL

**FIGURE 8-37. BOOM ANGLE SENSOR HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001189005  | Ref | BOOM ANGLE SENSOR HARNESS       | D   |
| 1    | 1001230931  | 1   | Plug, Male - 6 Position         |     |
| 1    | 1001116748  | 6   | Terminal                        |     |
| 2    | 4460932     | 1   | Receptacle, Female - 4 Position |     |
| 2    | 4460464     | 4   | Pin, Male                       |     |

SECTION 8 - ELECTRICAL

FIGURE 8-38. BOOM CABLE - LOWER



ART\_1001206082

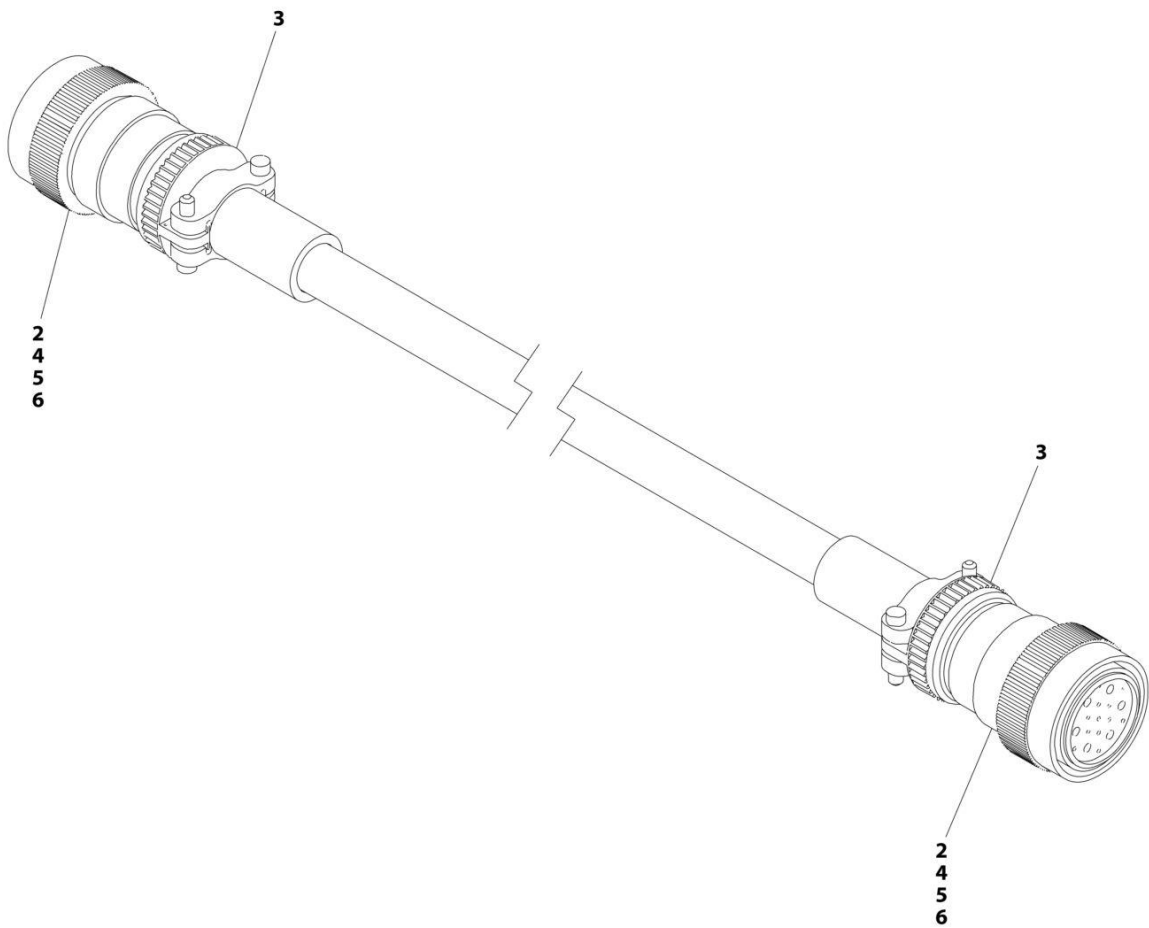
## SECTION 8 - ELECTRICAL

**FIGURE 8-38. BOOM CABLE - LOWER**

| ITEM | PART NUMBER | QTY | DESCRIPTION             | REV |
|------|-------------|-----|-------------------------|-----|
|      | 1001206082  | Ref | BOOM CABLE              | C   |
| 2    | 4460865     | 1   | Connector - 19 Position |     |
| 3    | 4460473     | 2   | Clamp                   |     |
| 4    | 4460465     | 10  | Socket, Female          |     |
| 5    | 4460509     | 4   | Socket, Female          |     |
| 6    | 4460466     | 10  | Plug, Socket            |     |
| 7    | 4460866     | 1   | Connector - 19 Position |     |
| 8    | 4460508     | 4   | Pin, Male               |     |
| 9    | 4460464     | 10  | Pin, Male               |     |

SECTION 8 - ELECTRICAL

FIGURE 8-39. BOOM CABLE - UPPER



ART\_1001188534

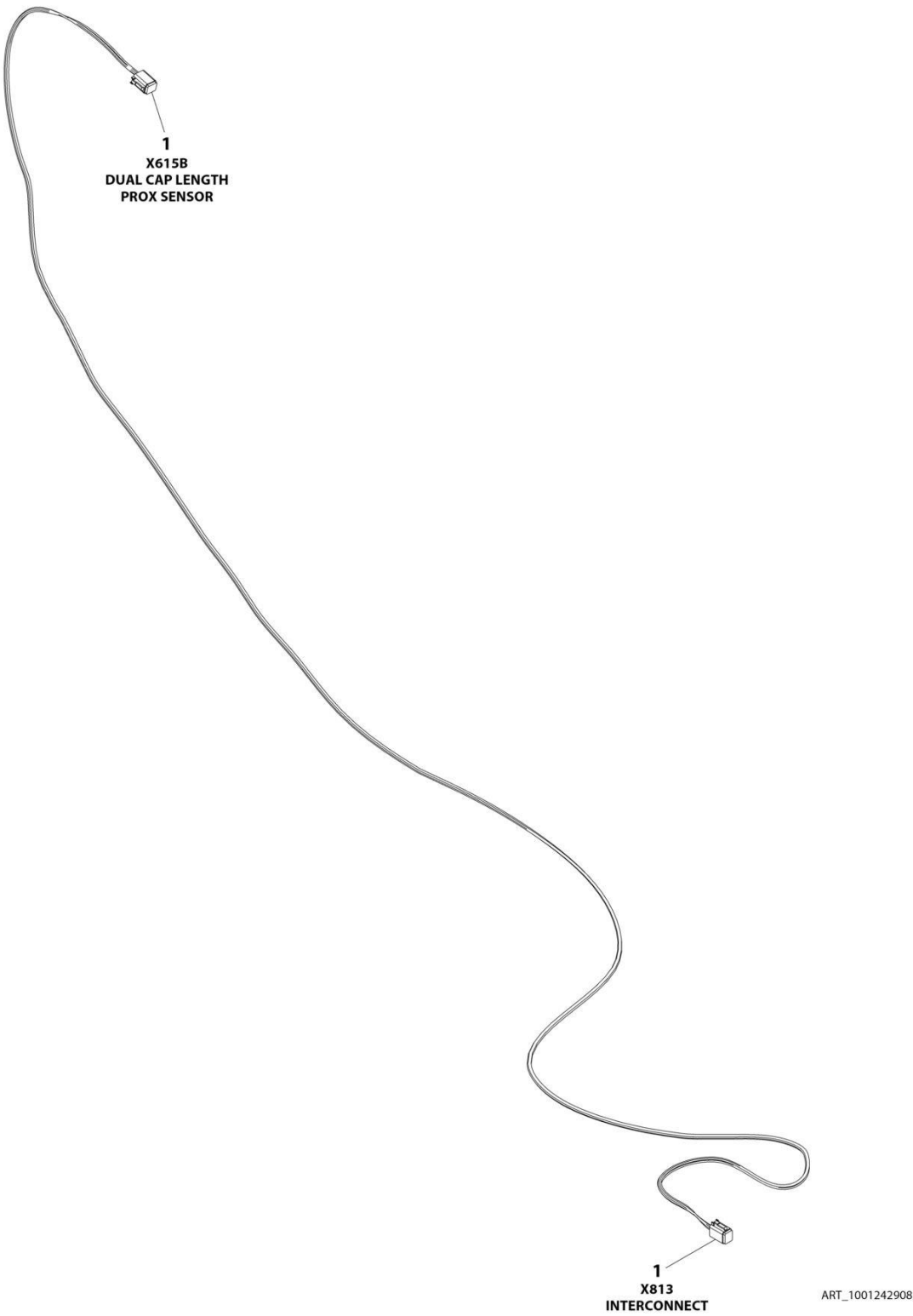
## SECTION 8 - ELECTRICAL

**FIGURE 8-39. BOOM CABLE - UPPER**

| ITEM | PART NUMBER | QTY | DESCRIPTION             | REV |
|------|-------------|-----|-------------------------|-----|
|      | 1001188534  | Ref | BOOM CABLE              | C   |
| 2    | 4460865     | 2   | Connector - 19 Position |     |
| 3    | 4460473     | 2   | Clamp                   |     |
| 4    | 4460465     | 20  | Socket, Female          |     |
| 5    | 4460509     | 8   | Socket, Female          |     |
| 6    | 4460466     | 10  | Plug, Socket            |     |
| 7    | 1001226400  | 2   | Heat Shirnk (Not Shown) |     |

SECTION 8 - ELECTRICAL

FIGURE 8-40. CAPACITY PROXIMITY HARNESS





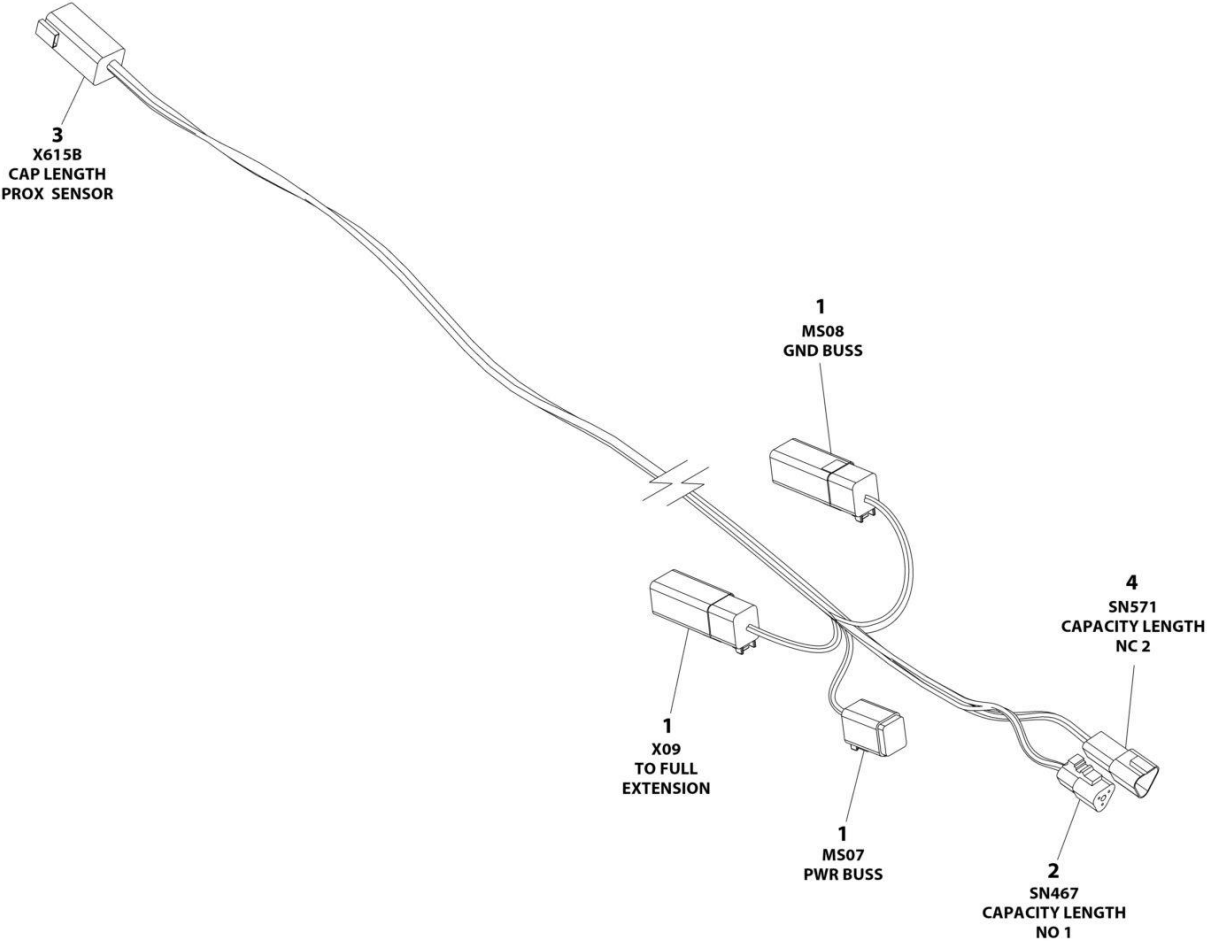
## SECTION 8 - ELECTRICAL

**FIGURE 8-40. CAPACITY PROXIMITY HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                | REV |
|------|-------------|-----|----------------------------|-----|
|      | 1001242908  | Ref | CAPACITY PROXIMITY HARNESS | B   |
| 1    | 4460894     | 2   | Plug, Male - 6 Position    |     |
| 1    | 4460465     | 12  | Socket, Female             |     |

SECTION 8 - ELECTRICAL

FIGURE 8-41. CAPACITY PROXIMITY HARNESS



ART\_1001238191

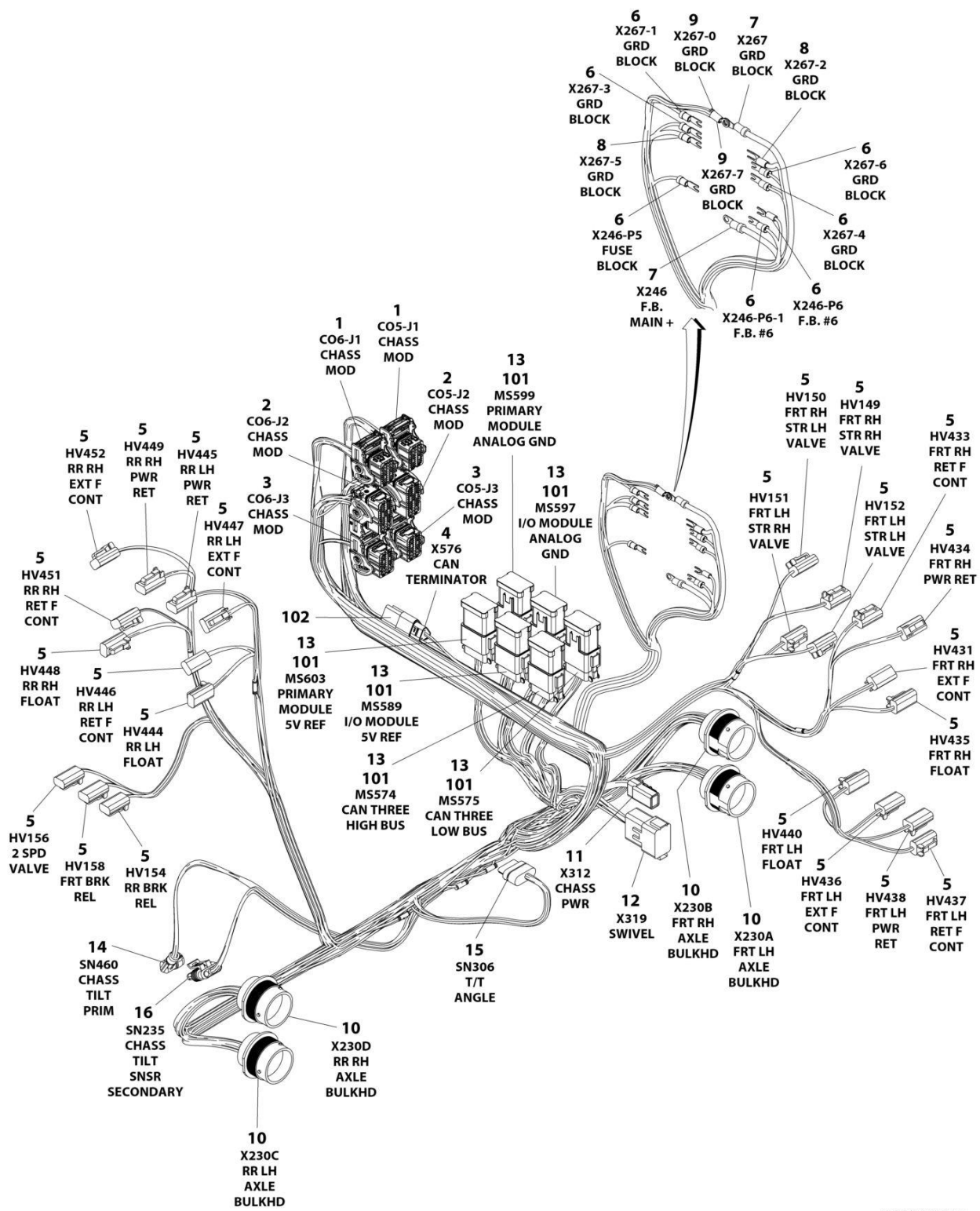
## SECTION 8 - ELECTRICAL

**FIGURE 8-41. CAPACITY PROXIMITY HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001238191  | Ref | CAPACITY PROXIMITY HARNESS      | D   |
| 1    | 4460894     | 3   | Plug, Male - 6 Position         |     |
| 1    | 4460465     | 16  | Socket, Female                  |     |
| 1    | 4460466     | 2   | Plug, Terminal                  |     |
| 1    | 4460892     | 2   | Bussbar - 6 Position            |     |
| 2    | 4460539     | 1   | Plug, Male - 3 Position         |     |
| 2    | 4460465     | 3   | Socket, Female                  |     |
| 3    | 4460899     | 1   | Receptacle, Female - 6 Position |     |
| 3    | 4460464     | 6   | Pin, Male                       |     |
| 4    | 4460536     | 1   | Receptacle, Female - 3 Position |     |
| 4    | 4640464     | 3   | Pin, Male                       |     |

SECTION 8 - ELECTRICAL

FIGURE 8-42. CHASSIS HARNESS



ART\_1001236347

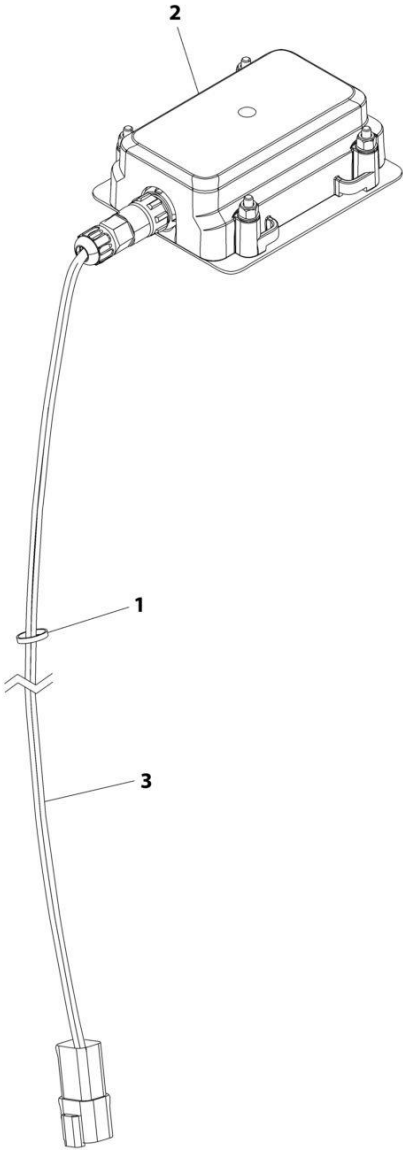
## SECTION 8 - ELECTRICAL

**FIGURE 8-42. CHASSIS HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                      | REV |
|------|-------------|-----|----------------------------------|-----|
|      | 1001236347  | Ref | CHASSIS HARNESS                  | G   |
| 1    | 1001161957  | 2   | Connector - 32 Position          |     |
| 1    | 1001161097  | 26  | Terminal                         |     |
| 1    | 1001161098  | 2   | Terminal                         |     |
| 1    | 1001161101  | 36  | Plug, Terminal                   |     |
| 2    | 1001161963  | 2   | Connector - 48 Position          |     |
| 2    | 1001161097  | 34  | Terminal                         |     |
| 2    | 1001161098  | 8   | Terminal                         |     |
| 2    | 1001161101  | 54  | Plug, Terminal                   |     |
| 3    | 1001160500  | 2   | Connector - 32 Position          |     |
| 3    | 1001161097  | 12  | Terminal                         |     |
| 3    | 1001161098  | 1   | Terminal                         |     |
| 3    | 1001161101  | 51  | Plug, Terminal                   |     |
| 4    | 1001116812  | 1   | Plug, Male - 3 Position          |     |
| 4    | 4460465     | 2   | Socket, Female                   |     |
| 4    | 4460466     | 1   | Plug, Terminal                   |     |
| 5    | 4460891     | 23  | Plug, Male - 2 Position          |     |
| 5    | 4460465     | 46  | Socket, Female                   |     |
| 6    | 1001242590  | 7   | Terminal, Fork                   |     |
| 7    | 4460142     | 2   | Terminal, Ring                   |     |
| 8    | 1001152595  | 2   | Terminal, Fork                   |     |
| 9    | 4460247     | 2   | Terminal, Ring                   |     |
| 10   | 1001148106  | 4   | Connector - 23 Position          |     |
| 10   | 4460464     | 78  | Pin, Male                        |     |
| 10   | 4460466     | 14  | Plug, Terminal                   |     |
| 11   | 1001242578  | 1   | Connector - 2 Position           |     |
| 11   | 1001150611  | 2   | Socket, Female                   |     |
| 12   | 4460950     | 1   | Receptacle, Female - 12 Position |     |
| 12   | 4460464     | 7   | Pin, Male                        |     |
| 12   | 4460466     | 5   | Plug, Terminal                   |     |
| 13   | 4460836     | 6   | Plug, Male - 12 Position         |     |
| 13   | 4460465     | 54  | Socket, Female                   |     |
| 13   | 4460466     | 18  | Plug, Terminal                   |     |
| 14   | 1001242578  | 1   | Plug - 5 Position with Cable     |     |
| 15   | 1001200931  | 1   | Connector - 6 Position           |     |
| 15   | 1001116748  | 6   | Terminal                         |     |
| 16   | 1001103012  | 1   | Connector - 4 Position           |     |
| 16   | 1001116697  | 2   | Terminal                         |     |
| 16   | 1001237212  | 2   | Terminal                         |     |
| 16   | 1001104498  | 4   | Seal                             |     |
| 101  | 1001249244  | 6   | Connector, Bussbar - 12 Position |     |
| 102  | 4461070     | 1   | Connector, Resistor - 3 Position |     |

SECTION 8 - ELECTRICAL

FIGURE 8-43. CLEARSKY TELEMATICS INSTALLATION - 3 WIRE CONNECTION



ART\_1001276610

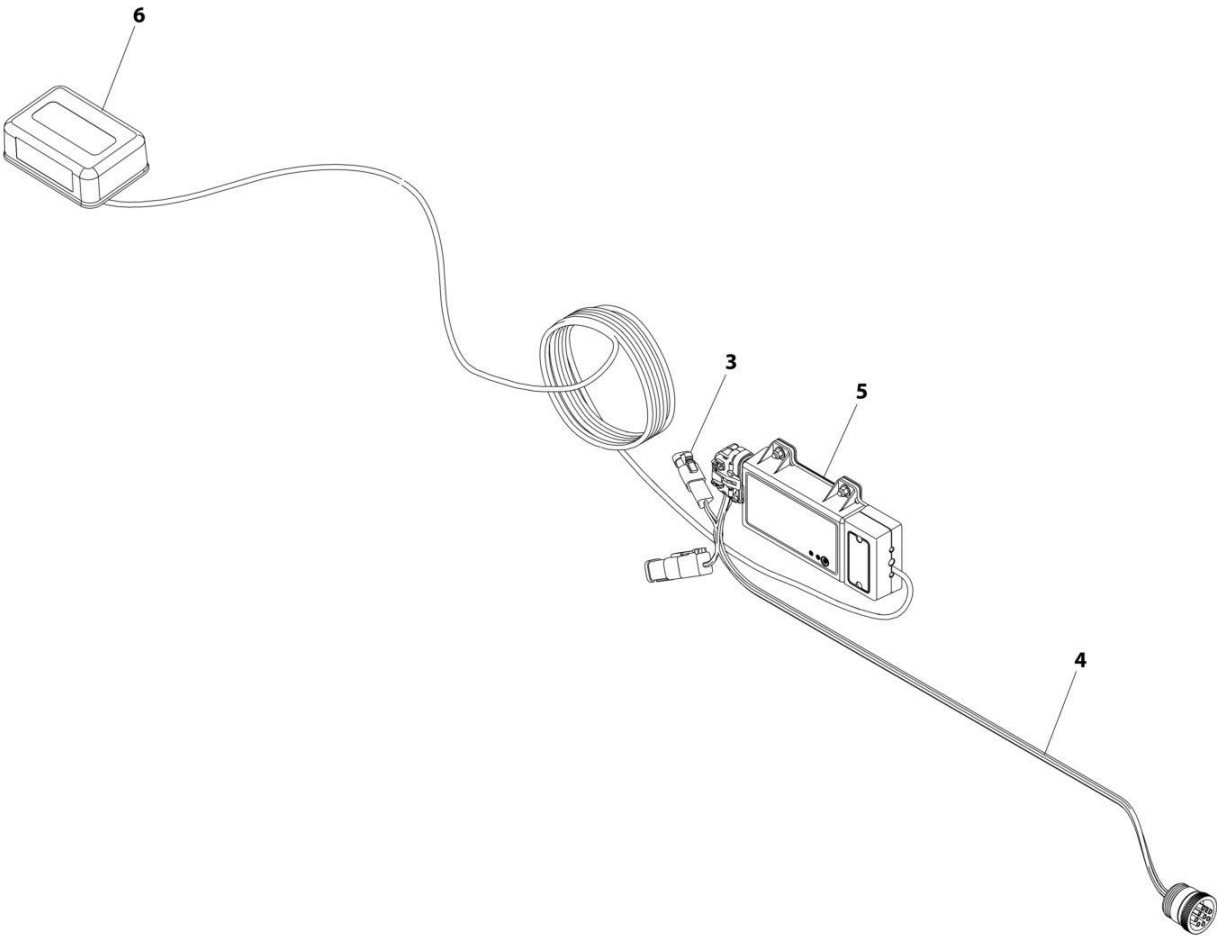
## SECTION 8 - ELECTRICAL

**FIGURE 8-43. CLEARSKY TELEMATICS INSTALLATION - 3 WIRE CONNECTION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                      | REV |
|------|-------------|-----|----------------------------------------------------------------------------------|-----|
|      | 1001276610  | Ref | CLEARSKY INSTALLATION 3-WIRE CONNECTION                                          | A   |
| 1    | 4240032     | AR  | Tie-Strap                                                                        |     |
| 2    | 1001272659  | 1   | Telematics Control Module Assembly (Note: Re-calibration Required when Replaced) |     |
| 3    | 1001273012  | 1   | ClearSky Harness (See Separate Breakdown in this Section)                        |     |

SECTION 8 - ELECTRICAL

FIGURE 8-44. CLEARSKY TELEMATICS INSTALLATION - CANBUS CONNECTION (ANSI & CSA SPECS)



ART\_1001227404



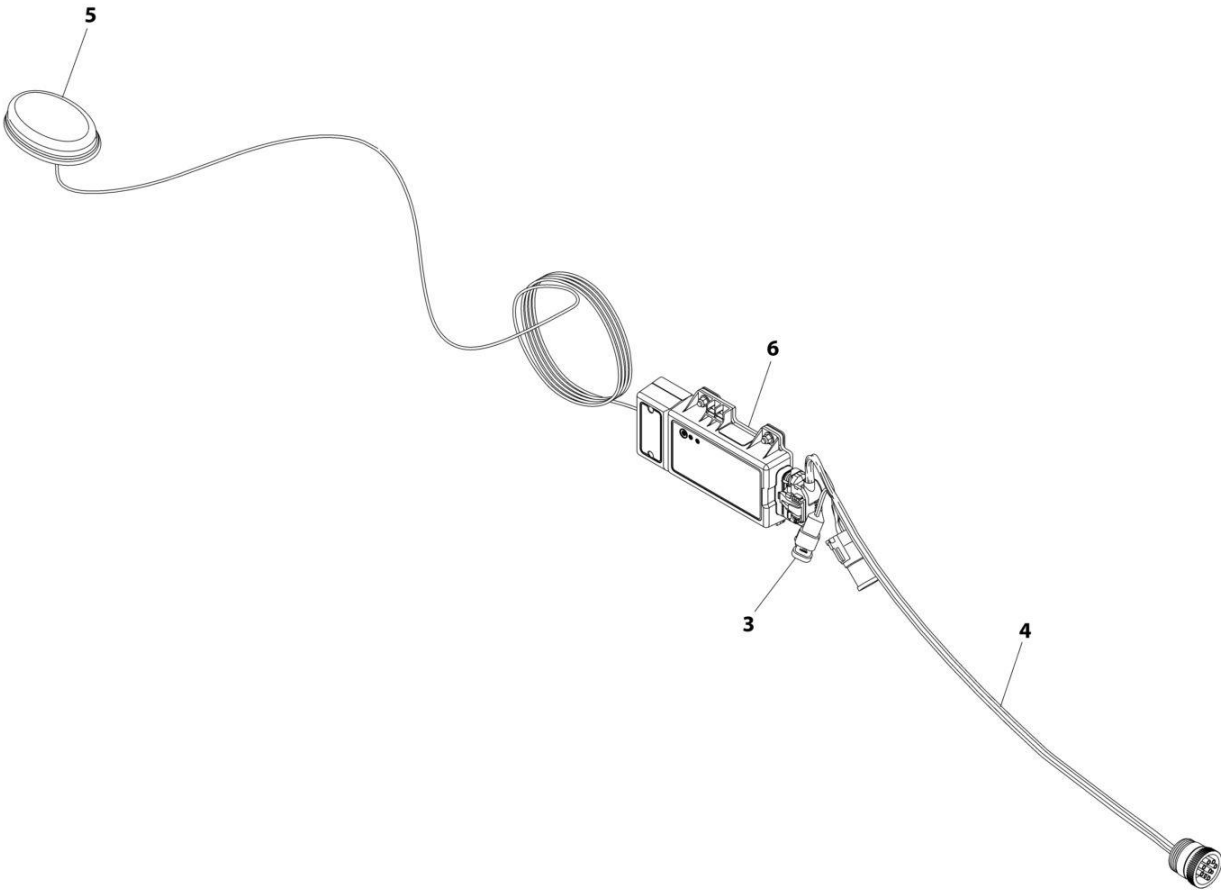
## SECTION 8 - ELECTRICAL

**FIGURE 8-44. CLEARSKY TELEMATICS INSTALLATION - CANBUS CONNECTION (ANSI & CSA SPECS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                     | REV |
|------|-------------|-----|-----------------------------------------------------------------|-----|
|      | 1001227404  | Ref | CLEARSKY INSTALLATION                                           | B   |
| 1    | 4240032     | AR  | Tie-Strap (Not Shown)                                           |     |
| 2    | 4460234     | AR  | Mount, Tie-Strap (Not Shown)                                    |     |
| 3    | 1001129408  | 1   | Connector                                                       |     |
| 4    | 1001226739  | 1   | ClearSky Harness (See Separate Breakdown in ELECTRICAL Section) |     |
| 5    | 1001262322  | 1   | ClearSky Module                                                 |     |
| 6    | 1001262326  | 1   | Antenna                                                         |     |

SECTION 8 - ELECTRICAL

FIGURE 8-45. CLEARSKY TELEMATICS INSTALLATION - CANBUS CONNECTION (AUSTRALIAN SPECS)



ART\_1001246524

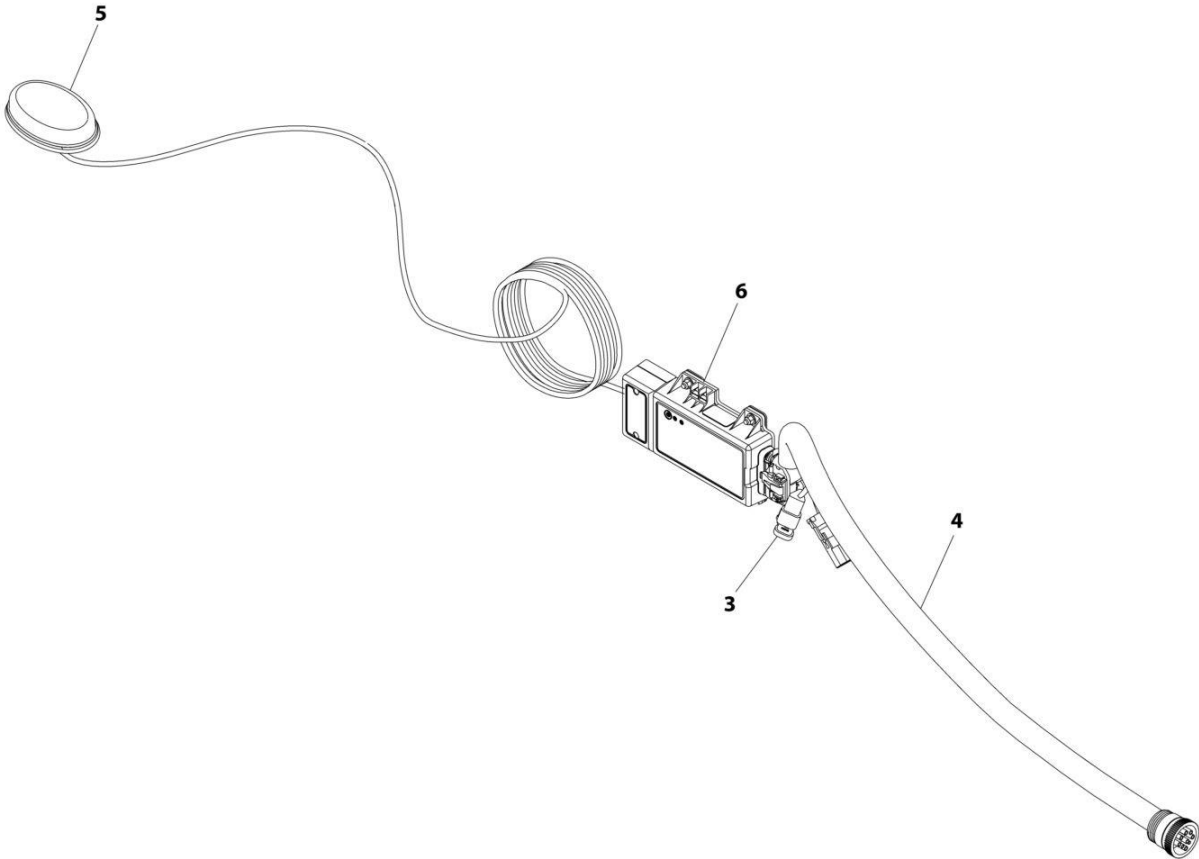
## SECTION 8 - ELECTRICAL

**FIGURE 8-45. CLEARSKY TELEMATICS INSTALLATION - CANBUS CONNECTION (AUSTRALIAN SPECS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                     | REV |
|------|-------------|-----|-----------------------------------------------------------------|-----|
|      | 1001246524  | Ref | CLEARSKY INSTALLATION                                           | A   |
| 1    | 4240032     | AR  | Tie-Strap (Not Shown)                                           |     |
| 2    | 4460234     | AR  | Mount, Tie-Strap (Not Shown)                                    |     |
| 3    | 1001116815  | 1   | Connector                                                       |     |
| 4    | 1001226739  | 1   | ClearSky Harness (See Separate Breakdown in ELECTRICAL Section) |     |
| 5    | 1001226799  | 1   | Antenna                                                         |     |
| 6    | 1001246144  | 1   | ClearSky Module                                                 |     |

SECTION 8 - ELECTRICAL

FIGURE 8-46. CLEARSKY TELEMATICS INSTALLATION - CANBUS CONNECTION (CE SPECS)



ART\_1001228947

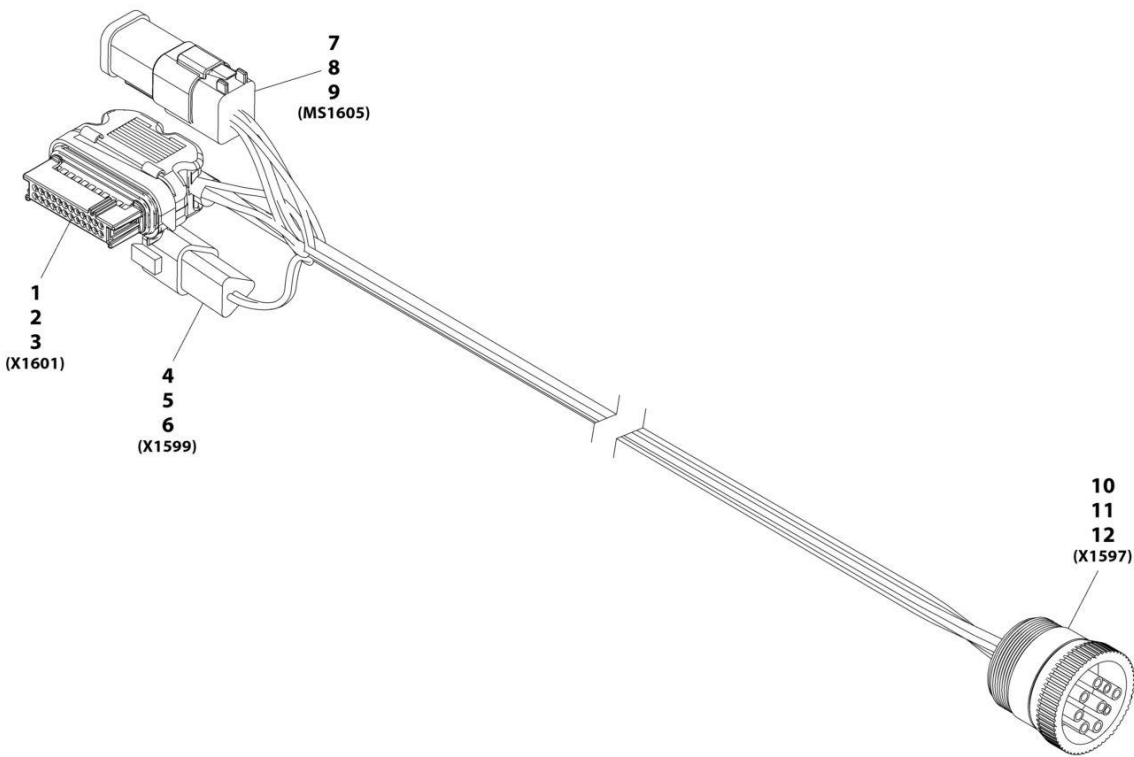
## SECTION 8 - ELECTRICAL

**FIGURE 8-46. CLEARSKY TELEMATICS INSTALLATION - CANBUS CONNECTION (CE SPECS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                     | REV |
|------|-------------|-----|-----------------------------------------------------------------|-----|
|      | 1001228947  | Ref | CLEARSKY INSTALLATION                                           | A   |
| 1    | 4240032     | AR  | Tie-Strap (Not Shown)                                           |     |
| 2    | 4460234     | AR  | Mount, Tie-Strap (Not Shown)                                    |     |
| 3    | 1001116815  | 1   | Connector                                                       |     |
| 4    | 1001226739  | 1   | ClearSky Harness (See Separate Breakdown in ELECTRICAL Section) |     |
| 5    | 1001226799  | 1   | Antenna                                                         |     |
| 6    | 1001228954  | 1   | ClearSky Module                                                 |     |

SECTION 8 - ELECTRICAL

FIGURE 8-47. CLEARSKY HARNESS



ART\_1001226739-A

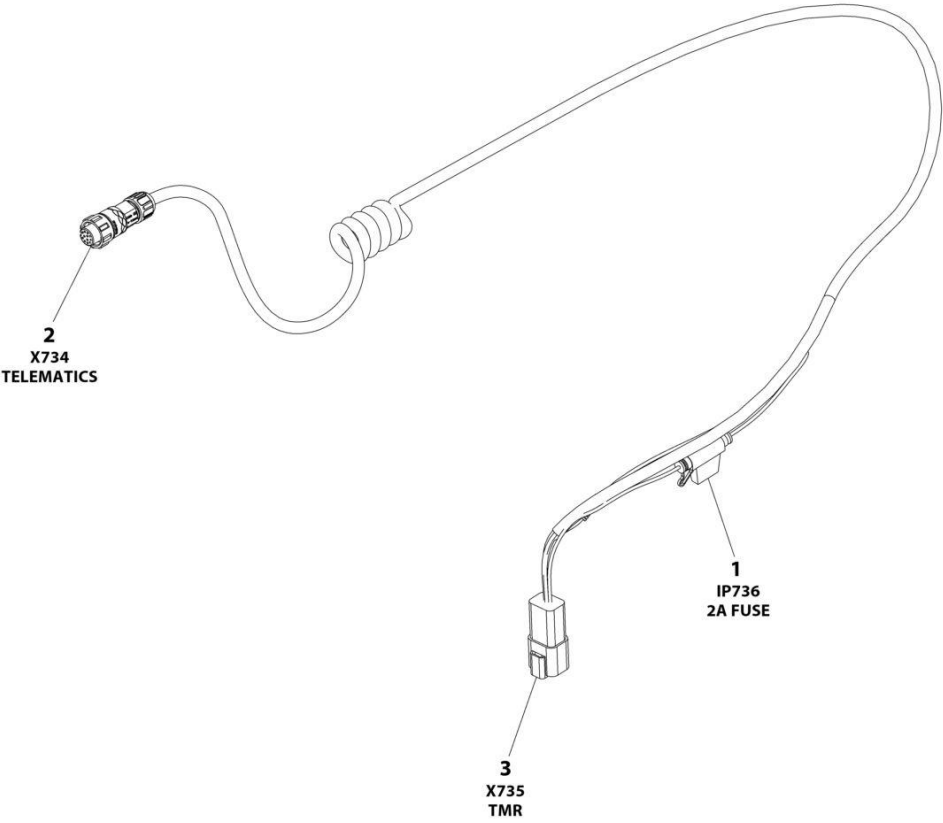
## SECTION 8 - ELECTRICAL

**FIGURE 8-47. CLEARSKY HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001226739  | Ref | Clearsky Harness         | A   |
| 1    | 1001226636  | 1   | Connector                |     |
| 2    | 1001116731  | 16  | Plug, Terminal           |     |
| 3    | 1001226637  | 8   | Terminal                 |     |
| 4    | 1001144147  | 1   | Connector                |     |
| 5    | 4460464     | 2   | Terminal                 |     |
| 6    | 4460466     | 1   | Plug, Terminal           |     |
| 7    | 4460894     | 1   | Connector                |     |
| 8    | 4460465     | 6   | Terminal                 |     |
| 9    | 1001226541  | 1   | Connector- 6 Pin Bussbar |     |
| 10   | 1001112796  | 1   | Connector                |     |
| 11   | 4460465     | 8   | Terminal                 |     |
| 12   | 4460466     | 1   | Plug, Terminal           |     |

SECTION 8 - ELECTRICAL

FIGURE 8-48. CLEARSKY HARNESS



ART\_1001273012



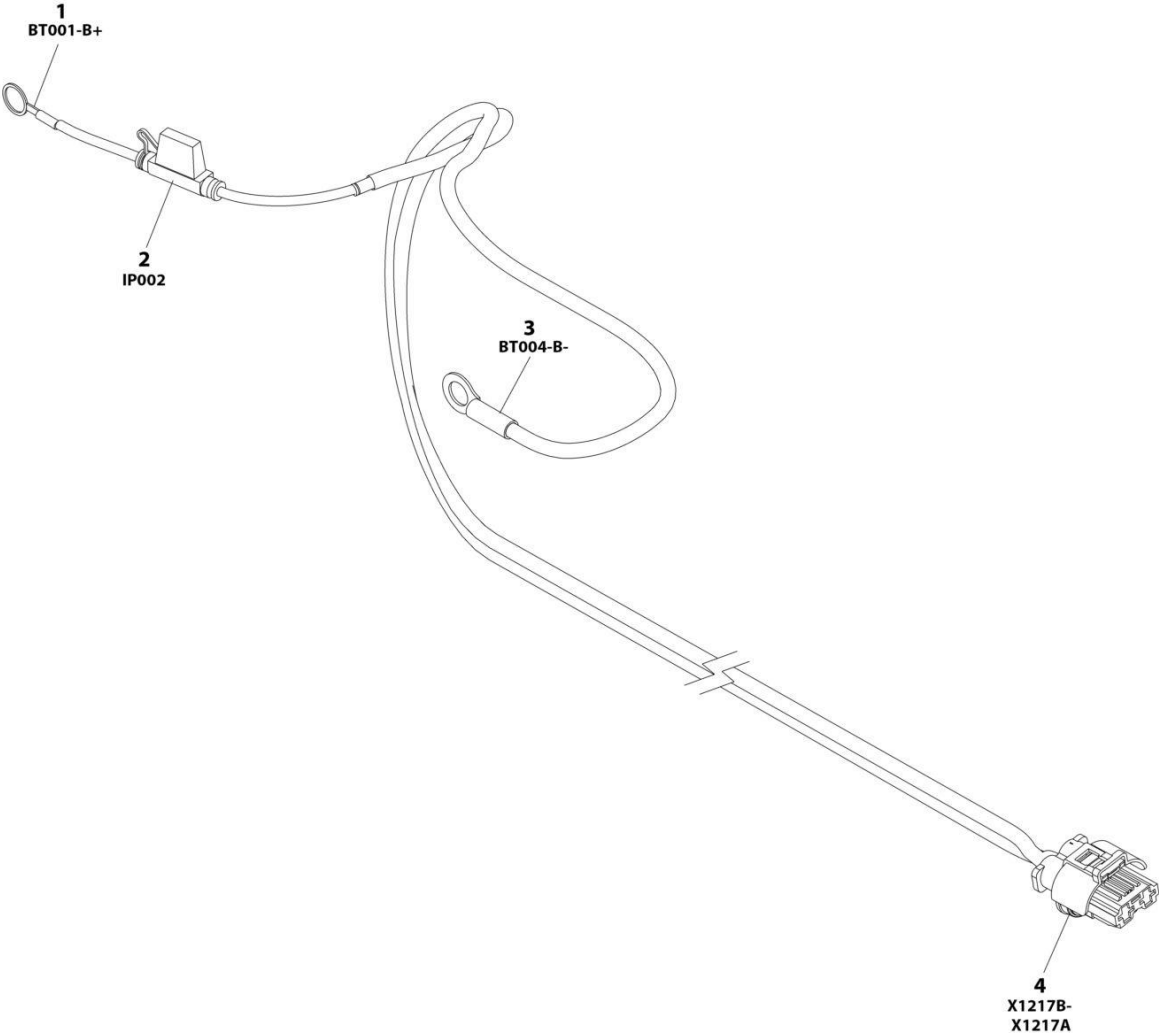
## SECTION 8 - ELECTRICAL

**FIGURE 8-48. CLEARSKY HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                          | REV |
|------|-------------|-----|--------------------------------------|-----|
|      | 1001273012  | Ref | CLEARSKY TELEMATICS HARNESS - GT1030 | D   |
| 1    | 1001255901  | 1   | Fuseholder                           |     |
| 1    | 1001196634  | 1   | Fuse - 2Amp                          |     |
| 2    | 1001272997  | 1   | Connector - 12 Position              |     |
| 2    |             | Ref | Terminal                             |     |
| 3    | 4460932     | 1   | Receptacle, Female - 4 Position      |     |
| 3    | 4460464     | 4   | Pin, Male                            |     |

SECTION 8 - ELECTRICAL

FIGURE 8-49. ECU POWER JUMPER HARNESS



ART\_1001289594

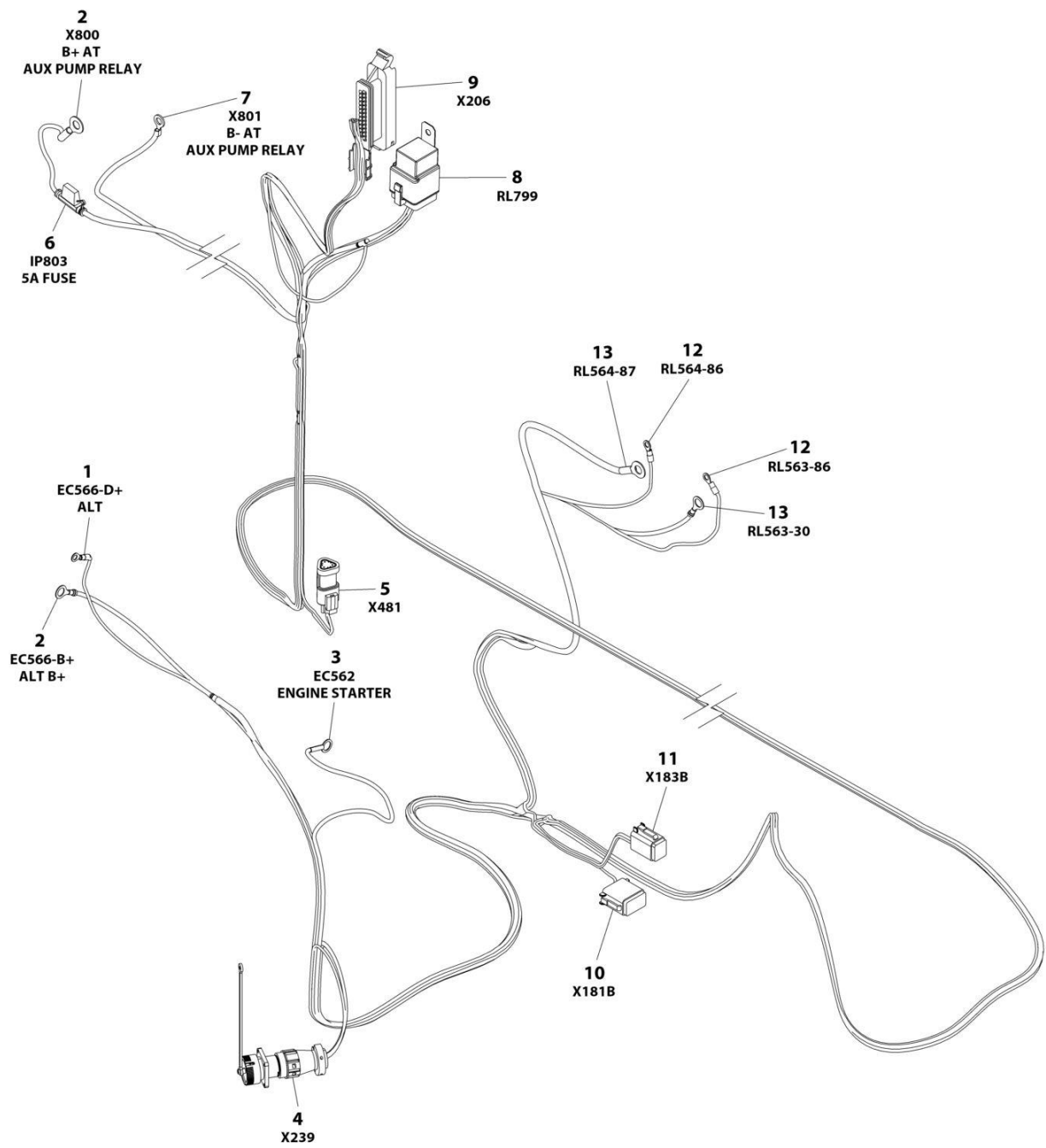
## SECTION 8 - ELECTRICAL

**FIGURE 8-49. ECU POWER JUMPER HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001289594  | Ref | ECU POWER JUMPER HARNESS | A   |
| 1    | 4460019     | 1   | Terminal Ring            |     |
| 2    | 1001172064  | 1   | Fuse Holder              |     |
| 2    | 1001172065  | 1   | Fuse 30Amp               |     |
| 3    | 8220164     | 1   | Terminal Ring            |     |
| 4    | 1001142938  | 1   | Connector                |     |
| 4    | 1001142940  | 2   | Terminal                 |     |
| 4    | 1001142941  | 2   | Seal                     |     |

SECTION 8 - ELECTRICAL

FIGURE 8-50. ENGINE HARNESS - DEUTZ D2011 ENGINES



ART\_1001188236\_F

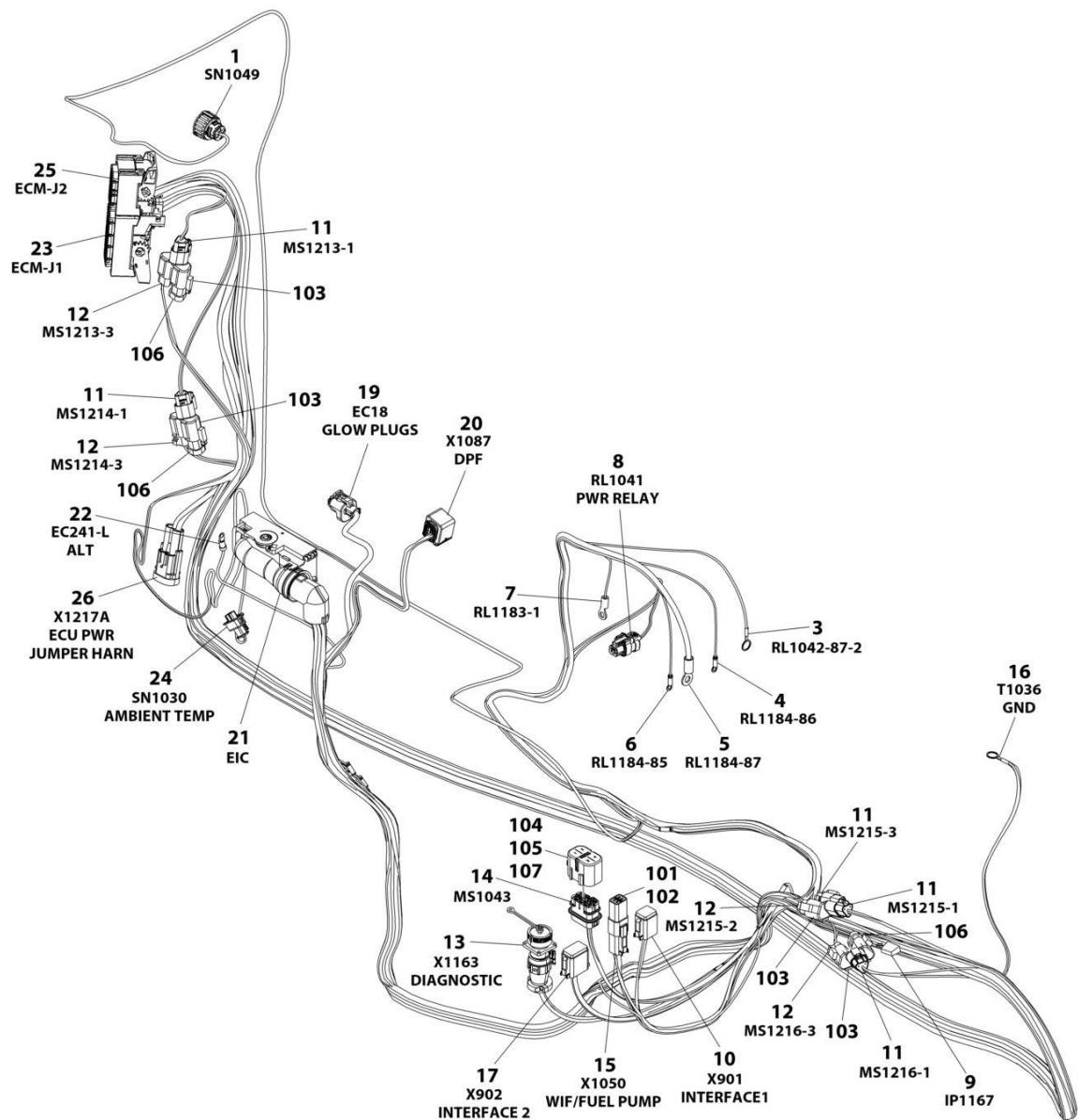
## SECTION 8 - ELECTRICAL

**FIGURE 8-50. ENGINE HARNESS - DEUTZ D2011 ENGINES**

| ITEM | PART NUMBER | QTY | DESCRIPTION                          | REV |
|------|-------------|-----|--------------------------------------|-----|
|      | 1001188236  | Ref | ENGINE HARNESS                       | F   |
| 1    | 4460042     | 1   | Terminal, Ring                       |     |
| 2    | 8220045     | 2   | Terminal, Ring                       |     |
| 3    | 4460142     | 1   | Terminal, Ring                       |     |
| 4    | 2902443     | 1   | Receptacle Kit                       |     |
| 4    | 4461073     | 1   | Cap, Dust                            |     |
| 5    | 4461095     | 1   | Plug, Male - 3 Position              |     |
| 5    | 4460944     | 2   | Socket, Female                       |     |
| 5    | 4460466     | 1   | Plug, Terminal                       |     |
| 5    | 4461070     | 1   | Receptacle, Female - 3 Position      |     |
| 5    | 4460943     | 3   | Pin, Male                            |     |
| 6    | 2600066     | 2   | Fuseholder with 5Amp Fuse            |     |
| 6    | See Note    | NSS | Fuse - 5Amp (Note: Purchase Locally) |     |
| 7    | 4460312     | 1   | Terminal, Ring                       |     |
| 8    | 1001117025  | 1   | Plug, Relay                          |     |
| 8    | 1001116734  | 1   | Terminal                             |     |
| 8    | 1001116732  | 3   | Terminal                             |     |
| 8    | 1001128128  | 1   | Plug, Terminal                       |     |
| 9    | 4461052     | 1   | Connector - 25 Position              |     |
| 9    | 4461060     | 1   | Terminal                             |     |
| 9    | 4461005     | 6   | Terminal                             |     |
| 9    | 4461008     | 18  | Plug, Terminal                       |     |
| 9    | 4461054     | 1   | Seal                                 |     |
| 9    | 4461006     | 6   | Seal                                 |     |
| 9    | 4461053     | 1   | Cover                                |     |
| 10   | 4460930     | 1   | Plug, Male - 8 Position              |     |
| 10   | 4460465     | 8   | Socket, Female                       |     |
| 10   | 4460466     | 7   | Plug, Terminal                       |     |
| 11   | 4460894     | 1   | Plug, Male - 6 Position              |     |
| 11   | 4460465     | 3   | Socket, Female                       |     |
| 11   | 4460944     | 2   | Socket, Female                       |     |
| 11   | 4460466     | 1   | Plug, Terminal                       |     |
| 12   | 4460313     | 2   | Terminal, Ring                       |     |
| 13   | 8220164     | 2   | Terminal, Ring                       |     |

SECTION 8 - ELECTRICAL

FIGURE 8-51. ENGINE HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE



ART\_1001276645\_B

## SECTION 8 - ELECTRICAL

**FIGURE 8-51. ENGINE HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE**

| ITEM | PART NUMBER | QTY | DESCRIPTION       | REV |
|------|-------------|-----|-------------------|-----|
|      | 1001276645  | Ref | ENGINE HARNESS    | B   |
| 1    | 1001133714  | 1   | Connector         |     |
| 1    | 1001133715  | 3   | Terminal          |     |
| 1    | 1001135651  | 1   | Plug              |     |
| 1    | 1001135650  | 3   | Seal              |     |
| 3    | 4460703     | 1   | Terminal, Ring    |     |
| 4    | 4460247     | 1   | Terminal, Ring    |     |
| 5    | 1001117107  | 1   | Terminal, Ring    |     |
| 6    | 4460247     | 1   | Terminal, Ring    |     |
| 7    | 4460043     | 1   | Terminal, Ring    |     |
| 8    | 1001116952  | 1   | Connector         |     |
| 8    | 4460465     | 2   | Socket            |     |
| 9    | 1001170764  | 1   | Holder, Fuse      |     |
| 9    | 1001197719  | 1   | Resistor 0.5 Watt |     |
| 10   | 4460894     | 1   | Connector         |     |
| 10   | 4460465     | 2   | Socket            |     |
| 10   | 4460944     | 2   | Socket            |     |
| 10   | 4460466     | 2   | Plug              |     |
| 11   | 1001116812  | 5   | Connector         |     |
| 11   | 4460944     | 10  | Socket            |     |
| 11   | 4460466     | 5   | Plug, Terminal    |     |
| 12   | 4460539     | 4   | Connector         |     |
| 12   | 4460944     | 8   | Socket            |     |
| 12   | 4460466     | 4   | Plug              |     |
| 13   | 2902443     | 1   | Receptacle Kit    |     |
| 13   | 4461071     | 6   | Terminal          |     |
| 14   | 80484084    | 1   | Connector         |     |
| 14   | 1001116728  | 4   | Terminal          |     |
| 14   | 1001116727  | 4   | Plug              |     |
| 14   | 4460458     | 4   | Plug              |     |
| 15   | 4460884     | 1   | Connector         |     |
| 15   | 4460465     | 2   | Socket            |     |
| 15   | 4460942     | 1   | Socket            |     |
| 16   | 4460019     | 1   | Terminal, Ring    |     |
| 17   | 4460930     | 1   | Connector         |     |
| 17   | 4460465     | 7   | Socket            |     |
| 17   | 4460466     | 1   | Plug              |     |
| 19   | 1001253873  | 1   | Connector         |     |
| 19   | 1001142940  | 1   | Terminal          |     |
| 19   | 1001142941  | 1   | Seal              |     |
| 20   | 1001239202  | 1   | Connector         |     |
| 20   | 1001126363  | 7   | Terminal          |     |
| 20   | 1001126391  | 1   | Seal, Terminal    |     |
| 20   | 1001126364  | 7   | Seal, Terminal    |     |
| 21   | 1001126362  | 1   | Connector         |     |
| 21   | 1001126363  | 37  | Terminal          |     |
| 21   | 1001126365  | 2   | Terminal          |     |
| 21   | 1001126391  | 9   | Plug              |     |
| 21   | 4461008     | 4   | Plug              |     |
| 21   | 1001126392  | 10  | Terminal          |     |

## SECTION 8 - ELECTRICAL

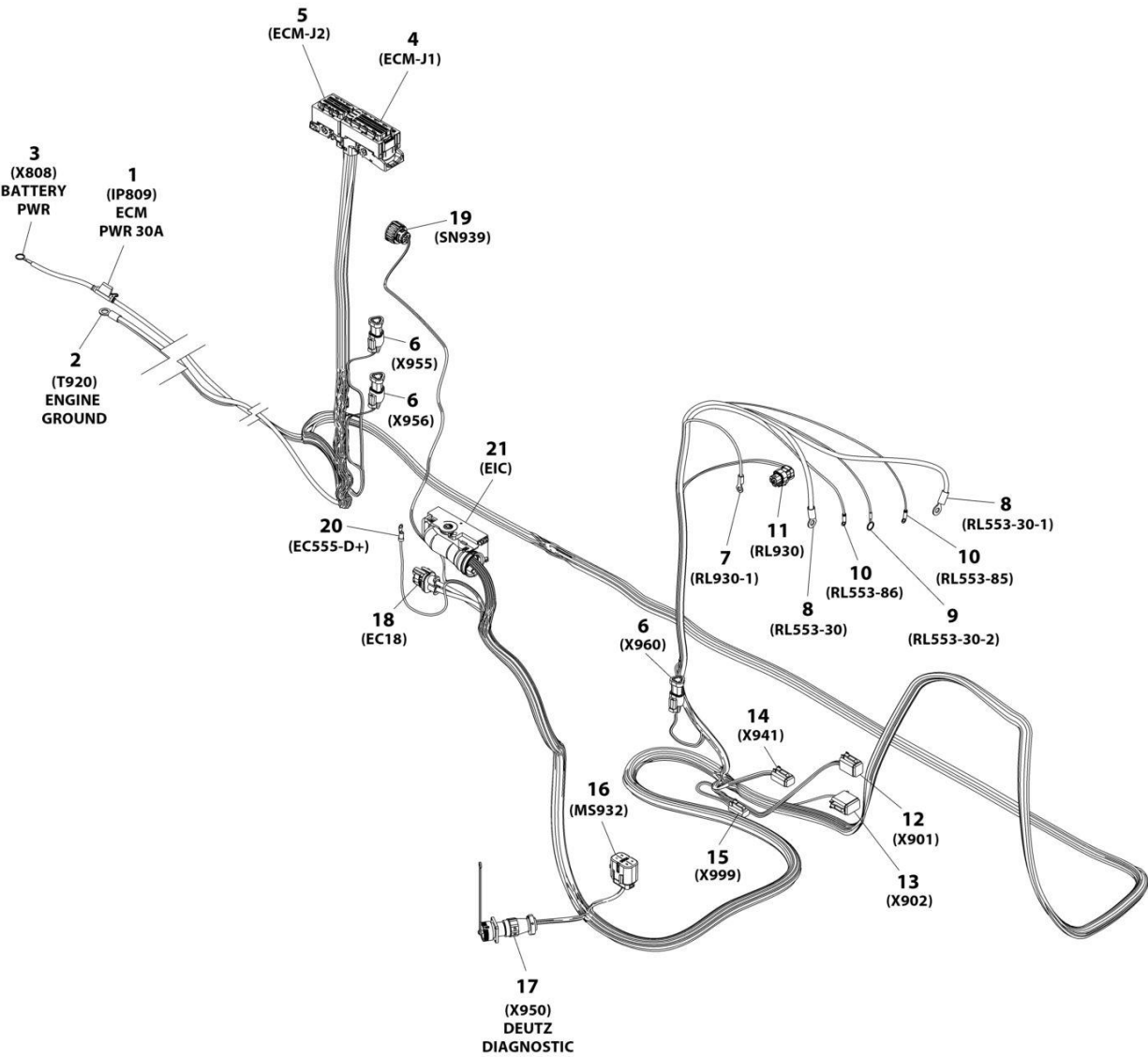
| ITEM | PART NUMBER | QTY | DESCRIPTION    | REV |
|------|-------------|-----|----------------|-----|
| 21   | 1001126364  | 37  | Seal, Terminal |     |
| 21   | 1001223459  | 10  | Seal, Terminal |     |
| 21   | 4461054     | 2   | Seal           |     |
| 22   | 4460042     | 1   | Terminal, Ring |     |
| 23   | 1001133956  | 1   | Connector      |     |
| 23   | 1001126351  | 3   | Terminal       |     |
| 23   | 1001182361  | 6   | Terminal       |     |
| 23   | 1001252527  | 4   | Terminal       |     |
| 23   | 1001230934  | 25  | Terminal       |     |
| 23   | 1001230935  | 55  | Plug           |     |
| 23   | 1001230936  | 1   | Plug           |     |
| 23   | 1001182365  | 6   | Seal, Terminal |     |
| 24   | 1001126487  | 1   | Connector      |     |
| 24   | 1001167635  | 2   | Terminal       |     |
| 24   | 1001126485  | 2   | Seal           |     |
| 25   | 1001133957  | 1   | Connector      |     |
| 25   | 1001126351  | 11  | Terminal       |     |
| 25   | 1001230934  | 26  | Terminal       |     |
| 25   | 1001230935  | 10  | Plug           |     |
| 25   | 1001230936  | 13  | Plug           |     |
| 26   | 1001289552  | 1   | Connector      |     |
| 26   | 1001289553  | 2   | Socket         |     |
| 26   | 1001142941  | 2   | Plug           |     |
| 101  | 4460466     | 4   | Plug           |     |
| 102  | 4460932     | 1   | Connector      |     |
| 103  | 4460945     | 4   | Receptacle     |     |
| 104  | 8229242     | 1   | Fuse, 5Amp     |     |
| 105  | 80983191    | 1   | Fuse, 10Amp    |     |
| 106  | 1001116815  | 3   | Connector      |     |
| 107  | 1001147264  | 1   | Cap            |     |





SECTION 8 - ELECTRICAL

FIGURE 8-52. ENGINE HARNESS - DEUTZ D2.9L4 ENGINES



ART\_1001233895\_H

## SECTION 8 - ELECTRICAL

**FIGURE 8-52. ENGINE HARNESS - DEUTZ D2.9L4 ENGINES**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001233895  | Ref | ENGINE HARNESS                  | H   |
| 1    | 1001172064  | 1   | Fuseholder with 30Amp Fuse      |     |
| 1    | 1001172065  | 1   | Fuse - 30A                      |     |
| 2    | 8220115     | 1   | Terminal, Ring                  |     |
| 3    | 4460019     | 1   | Terminal, Ring                  |     |
| 4    | 1001133956  | 1   | Connector - 94 Position         |     |
| 4    | 1001182361  | 6   | Terminal                        |     |
| 4    | 1001230934  | 17  | Terminal                        |     |
| 4    | 1001126351  | 2   | Terminal                        |     |
| 4    | 1001256507  | 4   | Terminal                        |     |
| 4    | 1001230936  | 2   | Plug, Terminal                  |     |
| 4    | 1001230935  | 63  | Plug, Terminal                  |     |
| 4    | 1001182365  | 6   | Seal, Terminal                  |     |
| 5    | 1001133957  | 1   | Connector - 60 Position         |     |
| 5    | 1001126351  | 13  | Terminal                        |     |
| 5    | 1001230934  | 11  | Terminal                        |     |
| 5    | 1001252527  | 4   | Terminal                        |     |
| 5    | 1001256507  | 2   | Terminal                        |     |
| 5    | 1001230936  | 11  | Plug, Terminal                  |     |
| 5    | 1001230935  | 19  | Plug, Terminal                  |     |
| 6    | 4461095     | 3   | Plug, Male - 3 Position         |     |
| 6    | 4460944     | 6   | Socket, Female                  |     |
| 6    | 4460466     | 3   | Plug, Terminal                  |     |
| 6    | 4461070     | 3   | Receptacle, Female - 3 Position |     |
| 7    | 4460043     | 1   | Terminal, Ring                  |     |
| 8    | 1001117107  | 2   | Terminal, Ring                  |     |
| 9    | 4460703     | 1   | Terminal, Ring                  |     |
| 10   | 4460313     | 2   | Terminal, Ring                  |     |
| 11   | 1001116952  | 1   | Plug, Male - 2 Position         |     |
| 11   | 4460465     | 2   | Socket, Female                  |     |
| 12   | 4460894     | 1   | Plug, Male - 6 Position         |     |
| 12   | 4460465     | 3   | Socket, Female                  |     |
| 12   | 4460944     | 2   | Socket, Female                  |     |
| 12   | 4460466     | 1   | Plug, Terminal                  |     |
| 13   | 4460930     | 1   | Plug, Male - 8 Position         |     |
| 13   | 4460465     | 1   | Socket, Female                  |     |
| 13   | 4460466     | 7   | Plug, Terminal                  |     |
| 14   | 1001220379  | 1   | Plug, Male - 4 Position         |     |
| 14   | 4460465     | 2   | Socket, Female                  |     |
| 14   | 4460942     | 2   | Socket, Female                  |     |
| 15   | 4460891     | 1   | Plug, Male - 4 Position         |     |
| 15   | 4460465     | 2   | Socket, Female                  |     |
| 16   | 80484084    | 1   | Plug, Male - 8 Position         |     |
| 16   | 8229242     | 1   | Fuse - 5Amp                     |     |
| 16   | 80983191    | 1   | Fuse - 10Amp                    |     |
| 16   | 4460746     | 3   | Socket, Female                  |     |
| 16   | 1001234800  | 1   | Socket, Female                  |     |
| 16   | 4460748     | 4   | Plug, Terminal                  |     |
| 16   | 4460458     | 4   | Plug, Terminal                  |     |
| 16   | 1001147264  | 1   | Cap                             |     |

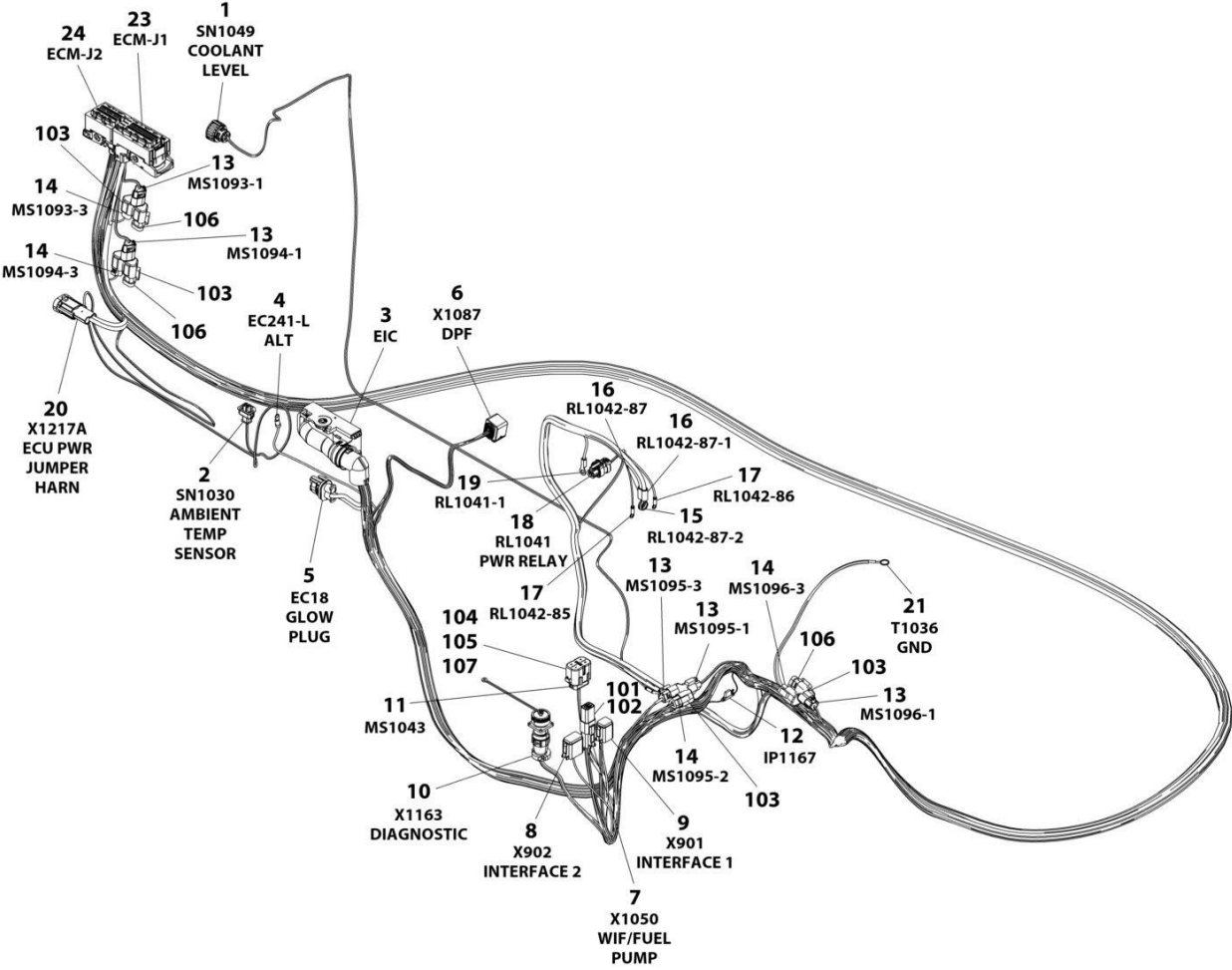
## SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION             | REV |
|------|-------------|-----|-------------------------|-----|
| 17   | 2902443     | 1   | Receptacle Kit          |     |
| 17   | 4461073     | 1   | Cap, Dust               |     |
| 17   | 4461071     | 6   | Terminal                |     |
| 18   | 1001142938  | 1   | Plug, Male - 2 Position |     |
| 18   | 1001142940  | 2   | Terminal                |     |
| 18   | 1001142941  | 2   | Seal                    |     |
| 19   | 1001133714  | 1   | Connector - 4 Position  |     |
| 19   | 1001133715  | 3   | Terminal                |     |
| 19   | 1001135651  | 1   | Plug, Terminal          |     |
| 19   | 1001135650  | 3   | Seal, Terminal          |     |
| 20   | 4460042     | 1   | Terminal, Ring          |     |
| 21   | 1001126362  | 1   | Connector - 62 Position |     |
| 21   | 1001126363  | 25  | Terminal                |     |
| 21   | 1001126392  | 10  | Terminal                |     |
| 21   | 1001126365  | 2   | Terminal                |     |
| 21   | 1001126391  | 21  | Plug, Terminal          |     |
| 21   | 4461008     | 4   | Plug, Terminal          |     |
| 21   | 1001223459  | 10  | Seal                    |     |
| 21   | 4461054     | 2   | Seal                    |     |
| 21   | 1001126364  | 23  | Seal, Terminal          |     |
| 21   | 1001256506  | 2   | Seal, Terminal          |     |
| 21   | 1001151856  | 1   | Elbow                   |     |



SECTION 8 - ELECTRICAL

FIGURE 8-53. ENGINE HARNESS - DEUTZ TD2.9L4 EMR5 ENGINES



ART\_1001276644

## SECTION 8 - ELECTRICAL

**FIGURE 8-53. ENGINE HARNESS - DEUTZ TD2.9L4 EMR5 ENGINES**

| ITEM | PART NUMBER | QTY | DESCRIPTION                    | REV |
|------|-------------|-----|--------------------------------|-----|
|      | 1001276644  | Ref | Engine Harness - Deutz Engines | B   |
| 1    | 1001133714  | 1   | Connector                      |     |
| 1    | 1001133715  | 3   | Terminal                       |     |
| 1    | 1001135650  | 3   | Seal, Terminal                 |     |
| 1    | 1001135651  | 1   | Plug, Terminal                 |     |
| 2    | 1001126487  | 1   | Connector                      |     |
| 2    | 1001167635  | 2   | Terminal                       |     |
| 2    | 1001126485  | 2   | Seal, Terminal                 |     |
| 3    | 1001126362  | 1   | Connector                      |     |
| 3    | 1001126363  | 37  | Terminal                       |     |
| 3    | 1001126392  | 12  | Terminal                       |     |
| 3    | 1001126391  | 7   | Plug, Terminal                 |     |
| 3    | 4461008     | 4   | Plug, Terminal                 |     |
| 3    | 1001167632  | 2   | Terminal                       |     |
| 3    | 1001126364  | 37  | Seal, Terminal                 |     |
| 3    | 1001223459  | 12  | Seal, Terminal                 |     |
| 3    | 4461054     | 2   | Seal, Terminal                 |     |
| 4    | 4460042     | 1   | Terminal, Ring                 |     |
| 5    | 1001142938  | 1   | Plug                           |     |
| 5    | 1001142940  | 2   | Terminal                       |     |
| 5    | 1001142941  | 2   | Seal                           |     |
| 6    | 1001239202  | 1   | Connector                      |     |
| 6    | 1001126363  | 7   | Terminal                       |     |
| 6    | 1001126391  | 1   | Plug, Terminal                 |     |
| 6    | 1001126364  | 7   | Seal, Terminal                 |     |
| 7    | 4460884     | 1   | Connector                      |     |
| 7    | 4460465     | 2   | Socket                         |     |
| 7    | 4460942     | 2   | Socket                         |     |
| 8    | 4460930     | 1   | Plug                           |     |
| 8    | 4460465     | 1   | Socket                         |     |
| 8    | 4460466     | 7   | Plug, Terminal                 |     |
| 9    | 4460894     | 1   | Plug                           |     |
| 9    | 4460465     | 2   | Socket                         |     |
| 9    | 4460944     | 2   | Socket                         |     |
| 9    | 4460466     | 2   | Plug, Terminal                 |     |
| 10   | 2902443     | 1   | Receptacle Kit                 |     |
| 10   | 4461073     | 1   | Cap, Dust                      |     |
| 10   | 4461071     | 6   | Terminal                       |     |
| 11   | 80484084    | 1   | Plug                           |     |
| 11   | 4460748     | 4   | Seal, Terminal                 |     |
| 11   | 4460746     | 3   | Terminal                       |     |
| 11   | 1001234800  | 1   | Terminal                       |     |
| 11   | 4460458     | 4   | Seal, Terminal                 |     |
| 12   | 1001170764  | 1   | Fuse Holder, Includes Resistor |     |
| 12   | 1001197719  | 1   | Resistor 0.5W                  |     |
| 13   | 1001116812  | 5   | Plug                           |     |
| 13   | 4460944     | 10  | Socket                         |     |
| 13   | 4460466     | 5   | Plug, Terminal                 |     |
| 14   | 4460539     | 4   | Connector                      |     |
| 14   | 4460944     | 8   | Socket                         |     |

## SECTION 8 - ELECTRICAL

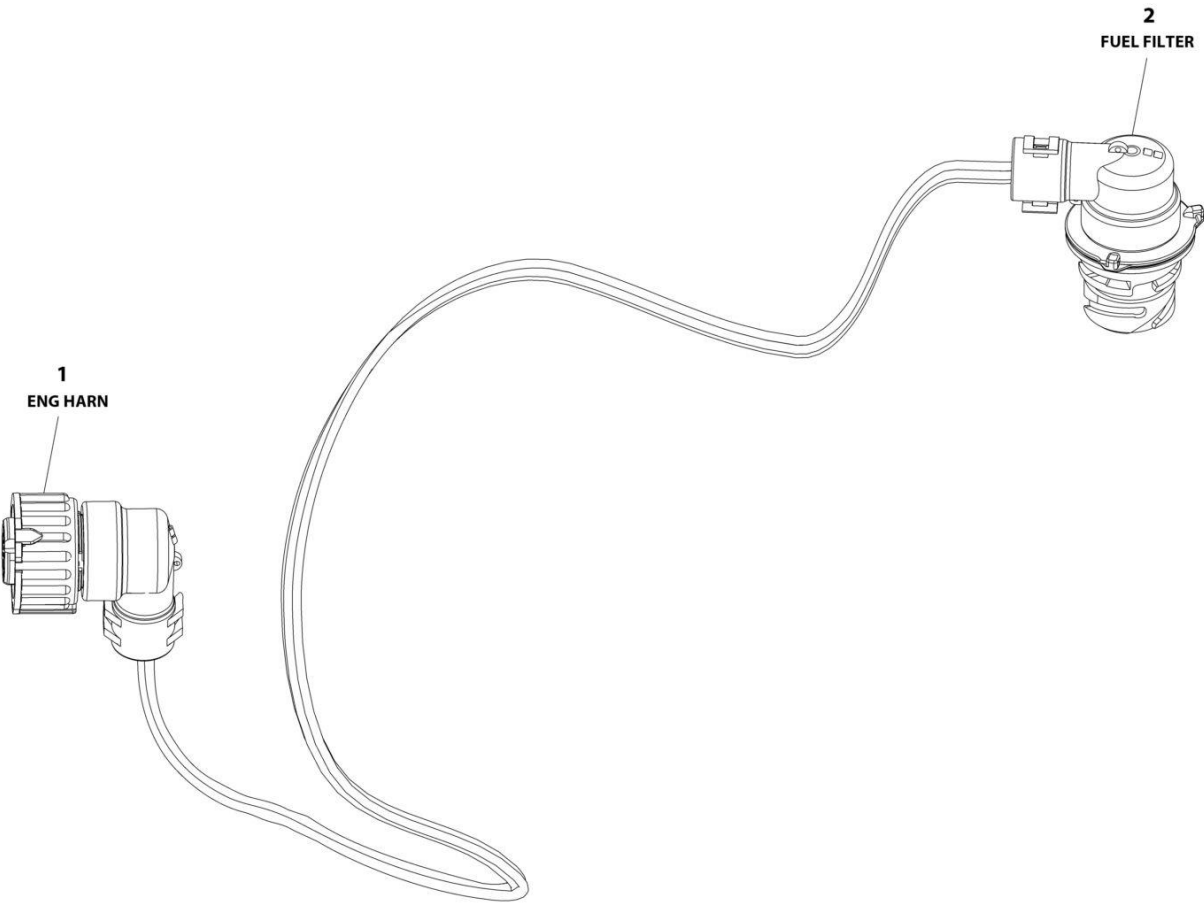
| ITEM | PART NUMBER | QTY | DESCRIPTION    | REV |
|------|-------------|-----|----------------|-----|
| 14   | 4460466     | 4   | Plug, Terminal |     |
| 15   | 4460703     | 1   | Terminal, Ring |     |
| 16   | 1001117107  | 2   | Terminal, Ring |     |
| 17   | 4460247     | 2   | Terminal, Ring |     |
| 18   | 1001116952  | 1   | Plug           |     |
| 18   | 4460465     | 2   | Socket         |     |
| 19   | 4460043     | 1   | Terminal, Ring |     |
| 20   | 1001289552  | 1   | Connector      |     |
| 20   | 1001289553  | 2   | Socket         |     |
| 20   | 1001142941  | 2   | Seal           |     |
| 21   | 4460019     | 1   | Terminal, Ring |     |
| 23   | 1001133956  | 1   | Connector      |     |
| 23   | 1001126351  | 3   | Terminal       |     |
| 23   | 1001182361  | 6   | Terminal       |     |
| 23   | 1001230934  | 25  | Terminal       |     |
| 23   | 1001230935  | 55  | Plug, Terminal |     |
| 23   | 1001252527  | 4   | Terminal       |     |
| 23   | 1001230936  | 1   | Plug, Terminal |     |
| 23   | 1001182365  | 6   | Seal, Terminal |     |
| 24   | 1001133957  | 1   | Connector      |     |
| 24   | 1001126351  | 13  | Terminal       |     |
| 24   | 1001230935  | 10  | Plug, Terminal |     |
| 24   | 1001230934  | 26  | Terminal       |     |
| 24   | 1001230936  | 11  | Plug, Terminal |     |
| 101  | 4460466     | 4   | Seal, Terminal |     |
| 102  | 4460932     | 1   | Connector      |     |
| 103  | 4460945     | 4   | Receptacle     |     |
| 104  | 8229242     | 1   | Fuse - 5Amp    |     |
| 105  | 80983191    | 1   | Fuse - 10Amp   |     |
| 106  | 1001116815  | 3   | Connector      |     |
| 107  | 1001147264  | 1   | Cap            |     |





SECTION 8 - ELECTRICAL

FIGURE 8-54. FUEL HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE



ART\_1001245913

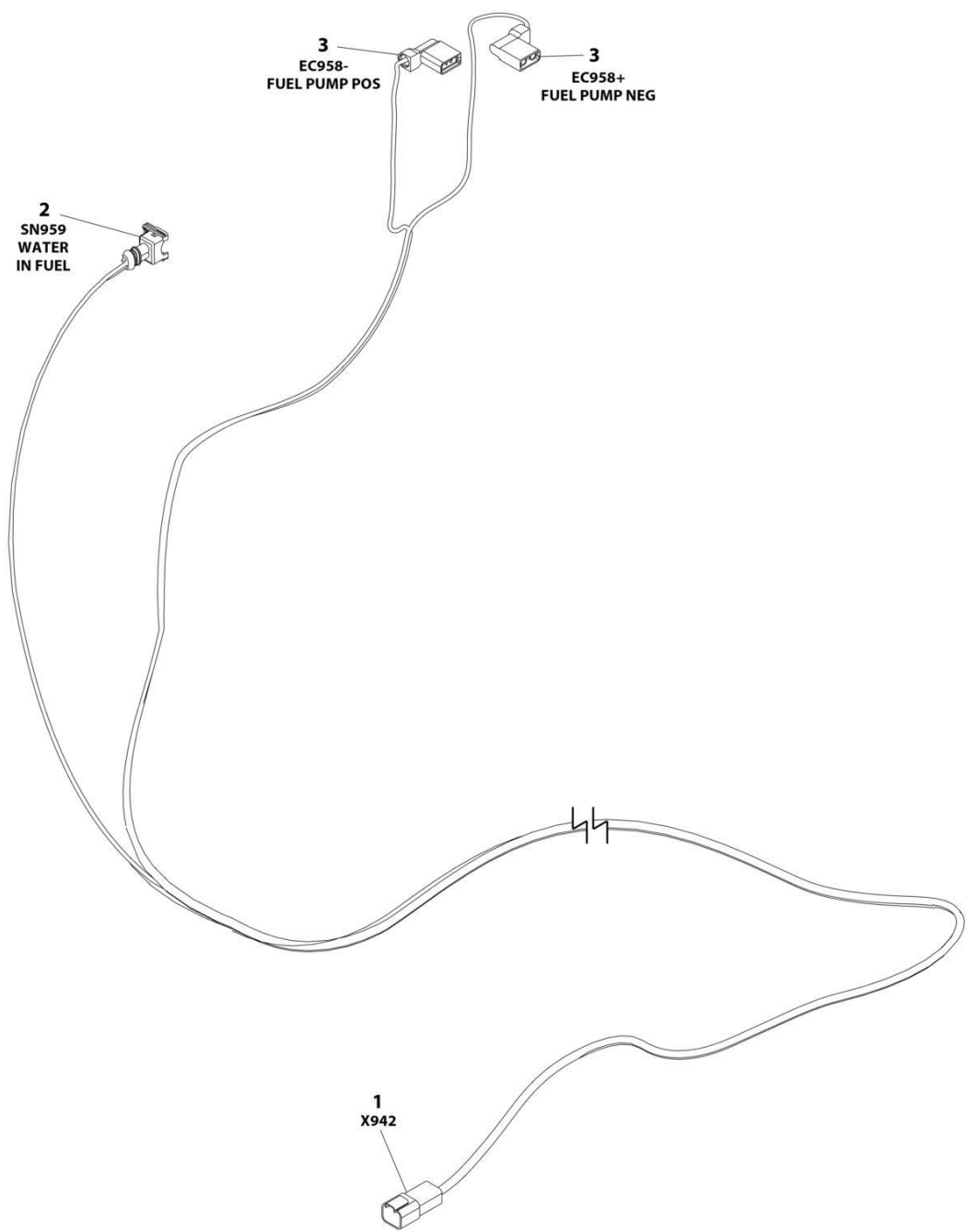
## SECTION 8 - ELECTRICAL

**FIGURE 8-54. FUEL HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE**

| ITEM | PART NUMBER | QTY | DESCRIPTION                           | REV |
|------|-------------|-----|---------------------------------------|-----|
|      | 1001245913  | Ref | FUEL HARNESS - DEUTZ (STAGE V) ENGINE | D   |
| 1    | 1001148842  | 1   | Connector - 4 Position                |     |
| 1    | 1001148841  | 4   | Pin, Male                             |     |
| 1    | 1001135650  | 4   | Seal                                  |     |
| 2    | 1001133714  | 1   | Plug, Male - 4 Position               |     |
| 2    | 1001133715  | 4   | Socket, Female                        |     |
| 2    | 1001135650  | 4   | Seal                                  |     |

SECTION 8 - ELECTRICAL

FIGURE 8-55. FUEL PUMP HARNESS - DEUTZ TD2.9L4 & DEUTZ TD2.2L3 (STAGE V) ENGINES



ART\_1001190444

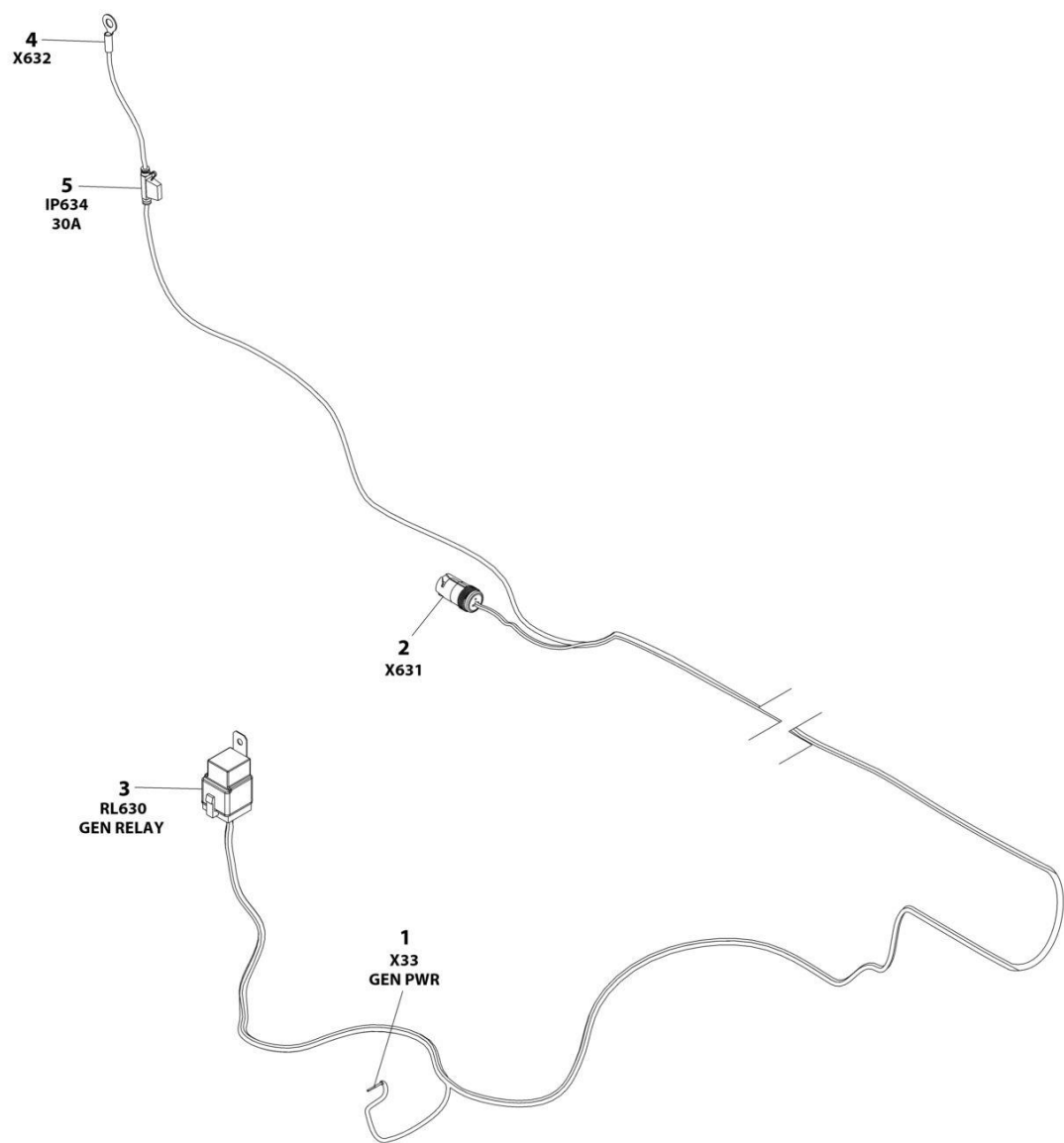
## SECTION 8 - ELECTRICAL

**FIGURE 8-55. FUEL PUMP HARNESS - DEUTZ TD2.9L4 & DEUTZ TD2.2L3 (STAGE V) ENGINES**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001190444  | Ref | FUEL PUMP HARNESS               | D   |
| 1    | 4460932     | 1   | Receptacle, Female - 4 Position |     |
| 1    | 4460941     | 4   | Pin, Male                       |     |
| 2    | 1001116983  | 1   | Plug, Male - 2 Posiiton         |     |
| 2    | 1001227507  | 2   | Socket, Female                  |     |
| 2    | 4461054     | 2   | Seal                            |     |
| 3    | 1001223045  | 2   | Connector                       |     |

SECTION 8 - ELECTRICAL

FIGURE 8-56. GENERATOR HARNESS - 2500W



ART\_1001194114\_B

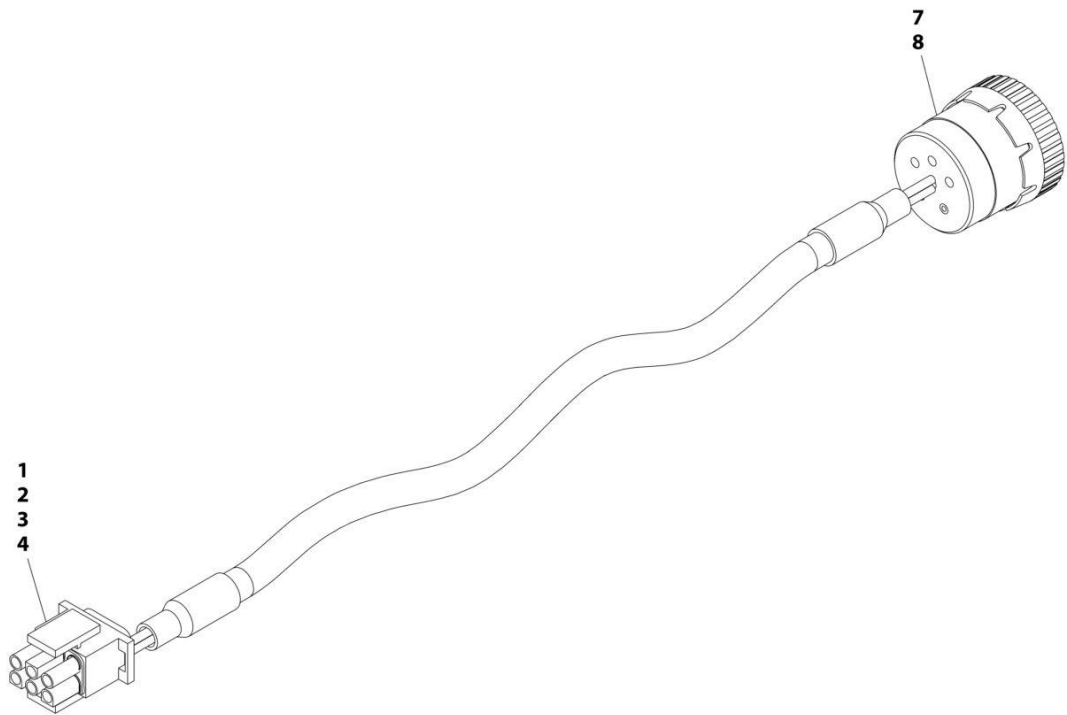
## SECTION 8 - ELECTRICAL

**FIGURE 8-56. GENERATOR HARNESS - 2500W**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 1001194114  | Ref | GENERATOR HARNESS                   | B   |
| 1    | 4460906     | 1   | Socket, Female                      |     |
| 2    | 1001154726  | 1   | Receptacle, Female - 3 Position     |     |
| 2    | 4460464     | 2   | Pin, Male                           |     |
| 2    | 4460466     | 1   | Plug, Terminal                      |     |
| 3    | 1001120851  | 1   | Connector, Relay                    |     |
| 3    | 1001116734  | 2   | Terminal                            |     |
| 3    | 1001116732  | 2   | Terminal                            |     |
| 3    | 3740080     | 1   | Relay                               |     |
| 4    | 8220045     | 1   | Terminal, Ring                      |     |
| 5    | 2400060     | 1   | Fuseholder - 30Amp (Includes Cover) |     |
| 5    | 8229245     | 1   | Fuse - 30Amp                        |     |

**SECTION 8 - ELECTRICAL**

**FIGURE 8-57. GENERATOR HARNESS - 4000W**



ART\_1001152532



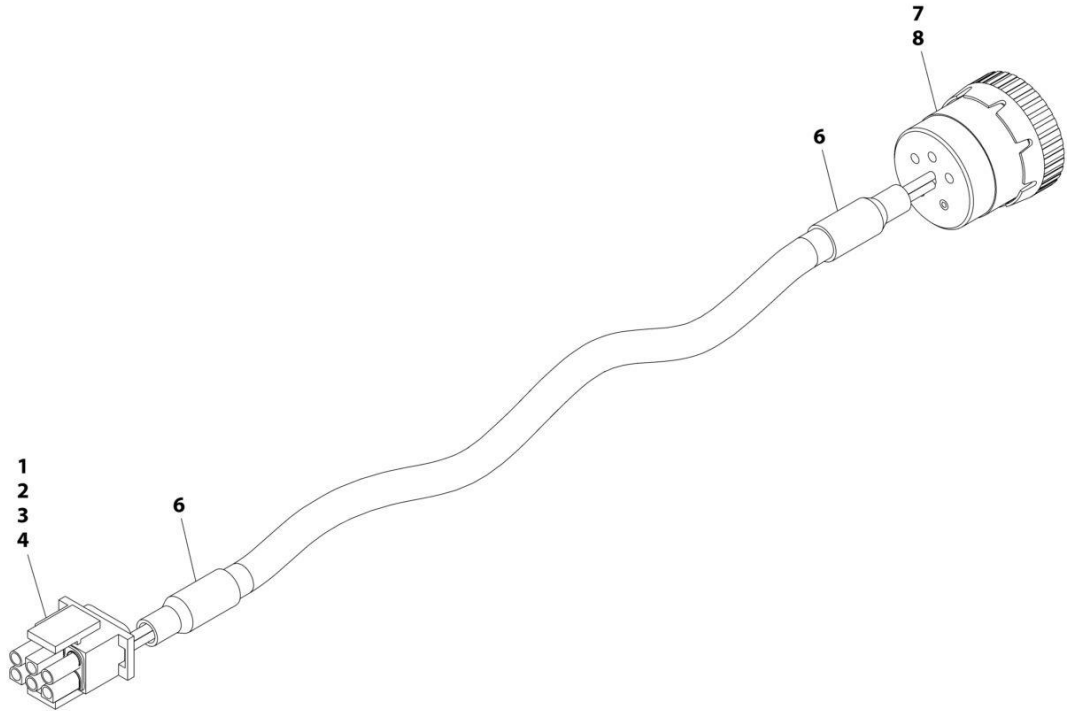
## SECTION 8 - ELECTRICAL

**FIGURE 8-57. GENERATOR HARNESS - 4000W**

| ITEM | PART NUMBER | QTY | DESCRIPTION            | REV |
|------|-------------|-----|------------------------|-----|
|      | 1001152532  | Ref | GENERATOR HARNESS      | A   |
| 1    | 4460225     | 1   | Connector - 6 Position |     |
| 2    | 4460268     | 2   | Socket, Female         |     |
| 3    | 4460807     | 1   | Seal                   |     |
| 4    | 4460808     | 1   | Seal                   |     |
| 7    | 4460465     | 2   | Socket, Female         |     |
| 8    | 77363233    | 1   | Connector - 6 Position |     |

SECTION 8 - ELECTRICAL

FIGURE 8-58. GENERATOR HARNESS - 7500W SKYPOWER



ART\_4922925

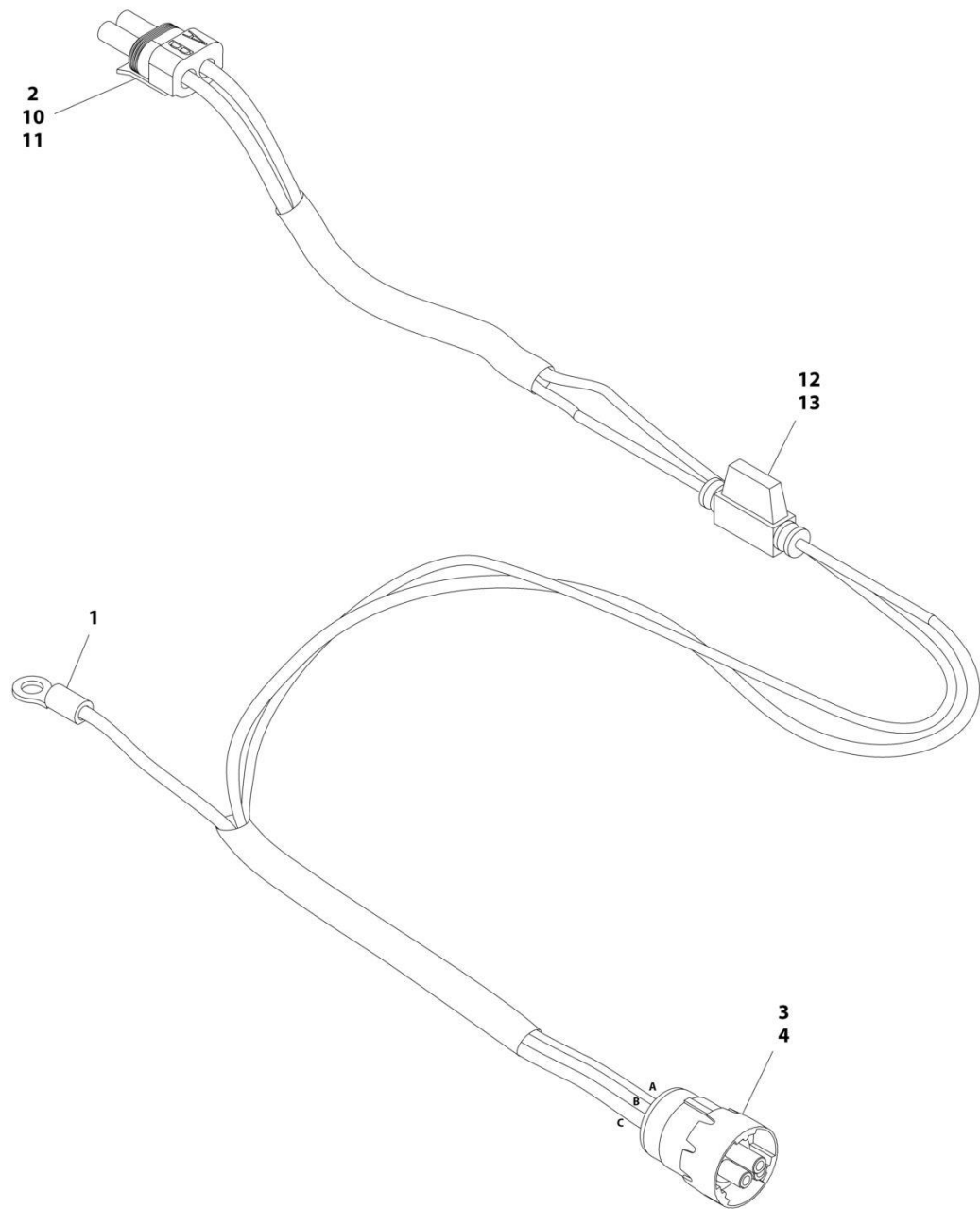
## SECTION 8 - ELECTRICAL

**FIGURE 8-58. GENERATOR HARNESS - 7500W SKYPOWER**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                        | REV |
|------|-------------|-----|----------------------------------------------------|-----|
|      | 4922925     | Ref | GENERATOR TO CONTROL BOX HARNESS (7500W GENERATOR) | C   |
| 1    | 4460225     | 1   | Plug, Male - 2 Position                            |     |
| 2    | 4460268     | 6   | Socket, Female                                     |     |
| 3    | 4460807     | 1   | Seal                                               |     |
| 4    | 4460808     | 1   | Seal                                               |     |
| 6    | 2820019     | AR  | Heat Shrink                                        |     |
| 7    | 4460465     | 6   | Socket, Female                                     |     |
| 8    | 77363233    | 1   | Connector - 6 Position                             |     |

SECTION 8 - ELECTRICAL

FIGURE 8-59. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ONLY)



ART\_1001152429

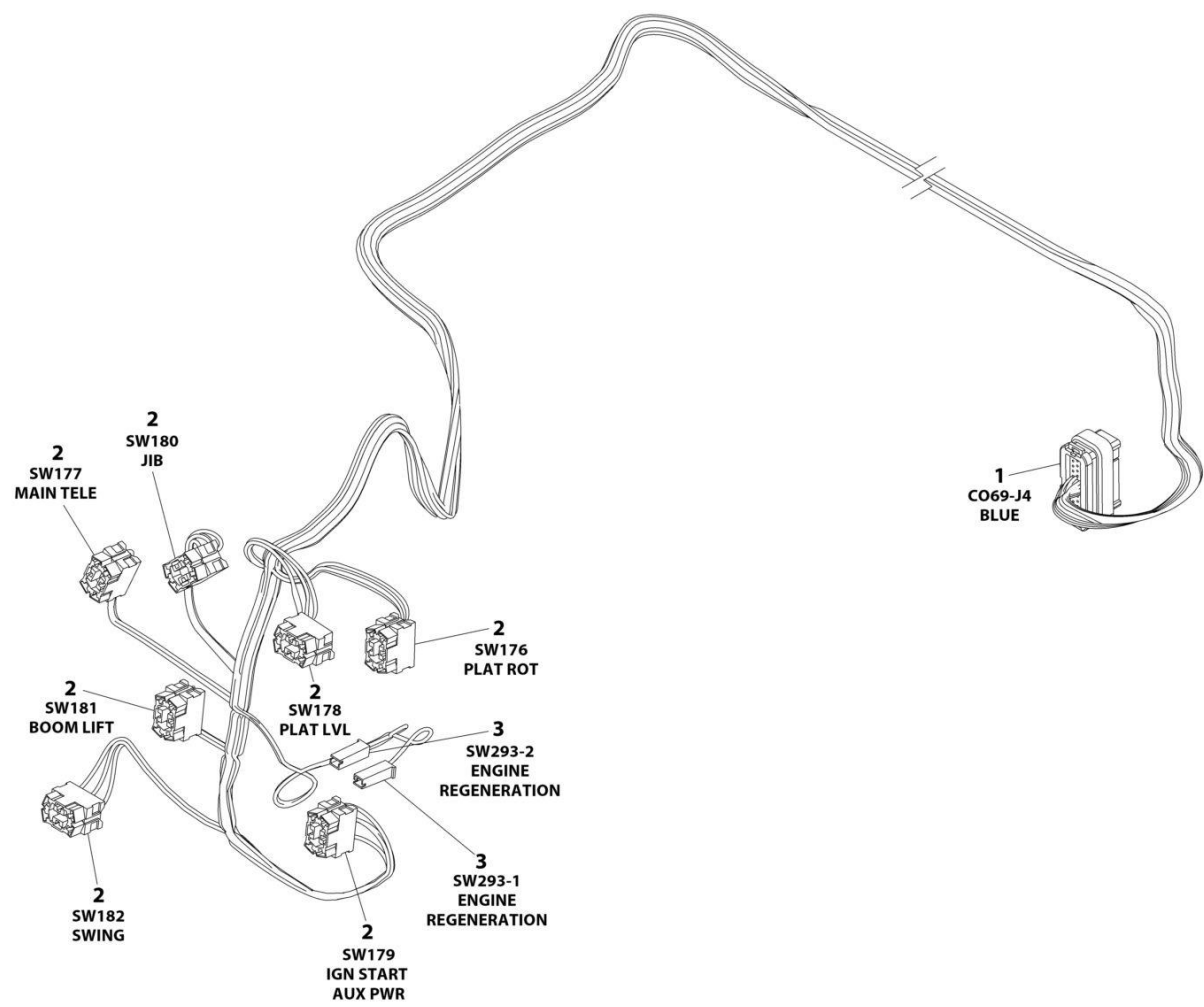
## SECTION 8 - ELECTRICAL

**FIGURE 8-59. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ONLY)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                 | REV |
|------|-------------|-----|-----------------------------|-----|
|      | 1001152429  | Ref | GENERATOR TO ENGINE HARNESS | C   |
| 1    | 4460043     | 1   | Terminal, Ring              |     |
| 2    | 4460742     | 1   | Plug, Male - 2 Position     |     |
| 3    | 4460967     | 1   | Connector - 3 Position      |     |
| 4    | 4460465     | 3   | Socket, Female              |     |
| 10   | 4460743     | 2   | Terminal, Female            |     |
| 11   | 4460458     | 2   | Seal                        |     |
| 12   | 2400060     | 1   | Fuseholder (Includes Cover) |     |
| 13   | 2400064     | 1   | Fuse - 5Amp                 |     |
|      |             |     |                             |     |
|      |             |     |                             |     |
|      |             |     |                             |     |
|      |             |     |                             |     |

SECTION 8 - ELECTRICAL

FIGURE 8-60. GROUND CONTROL HARNESS



ART\_1001238408

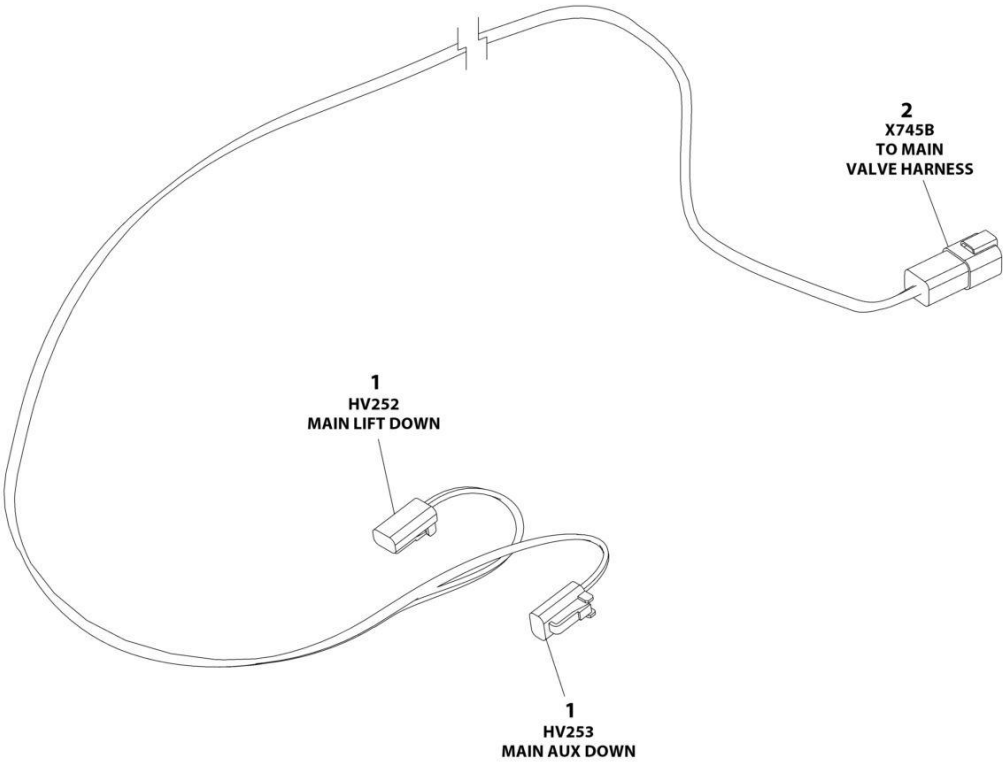
## SECTION 8 - ELECTRICAL

**FIGURE 8-60. GROUND CONTROL HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION             | REV |
|------|-------------|-----|-------------------------|-----|
|      | 1001238408  | Ref | GROUND CONTROL HARNESS  | B   |
| 1    | 4460876     | 1   | Connector - 35 Position |     |
| 1    | 4460871     | 16  | Socket, Female          |     |
| 1    | 4460905     | 19  | Plug, Terminal          |     |
| 2    | 4460418     | 7   | Connector, Switch       |     |
| 2    | 4460419     | 14  | Terminal                |     |
| 2    | 1001159186  | 14  | Terminal                |     |
| 3    | 4460260     | 2   | Terminal                |     |
| 3    | 4460259     | 2   | Terminal                |     |

SECTION 8 - ELECTRICAL

FIGURE 8-61. LIFT CYLINDER HARNESS



ART\_1001205923\_C



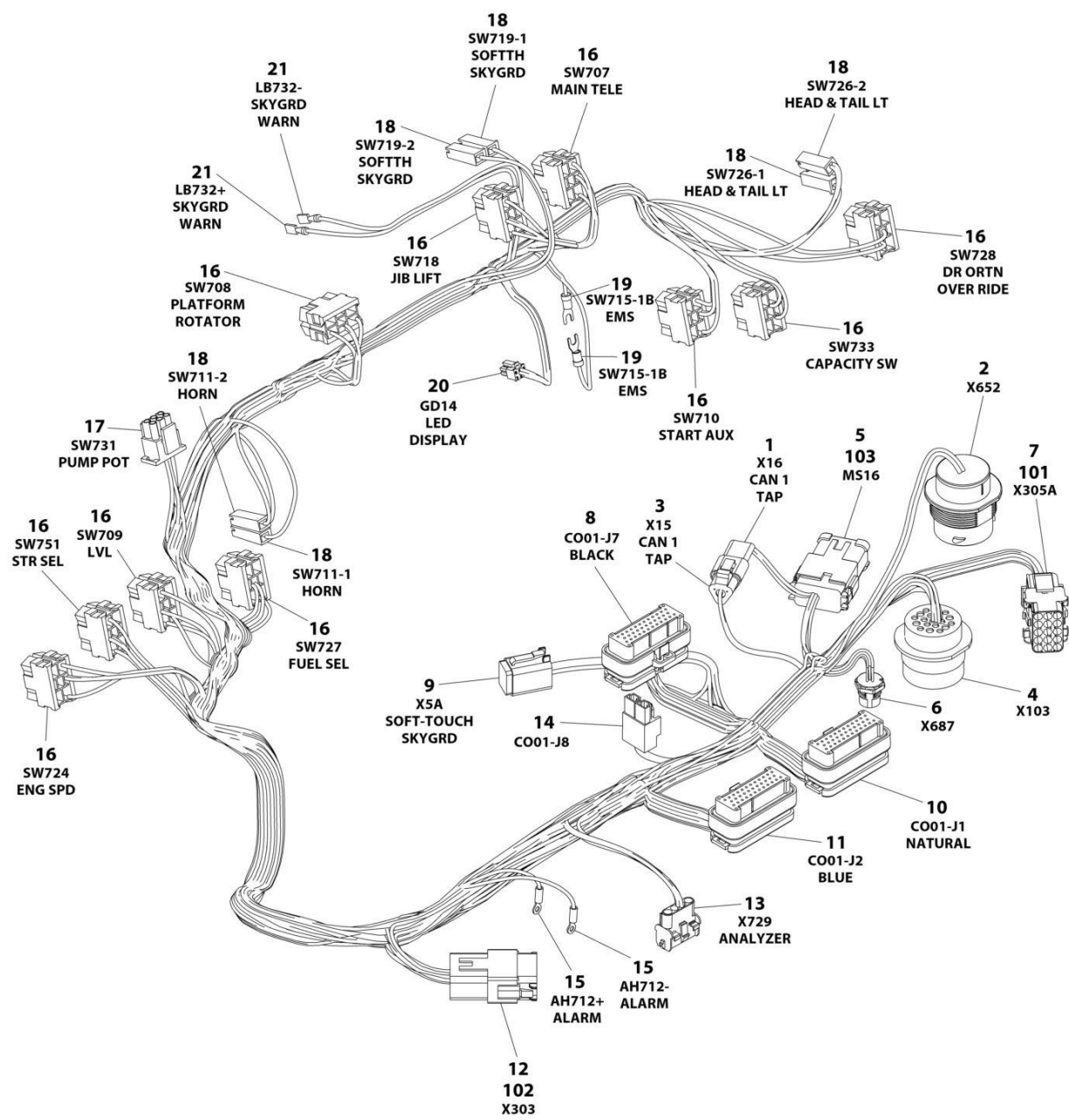
## SECTION 8 - ELECTRICAL

**FIGURE 8-61. LIFT CYLINDER HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001205923  | Ref | LIFT CYLINDER HARNESS           | C   |
| 1    | 4460891     | 2   | Plug, Male - 2 Position         |     |
| 1    | 4460465     | 4   | Socket, Female                  |     |
| 2    | 4460932     | 1   | Receptacle, Female - 4 Position |     |
| 2    | 4460464     | 4   | Pin, Male                       |     |

SECTION 8 - ELECTRICAL

FIGURE 8-62. PLATFORM BOX HARNESS



ART\_1001238409

## SECTION 8 - ELECTRICAL

**FIGURE 8-62. PLATFORM BOX HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                  | REV |
|------|-------------|-----|--------------------------------------------------------------|-----|
|      | 1001238409  | Ref | PLATFORM CONSOLE HARNESS                                     | J   |
| 1    | 4460536     | 1   | Receptacle, Female - 3 Position                              |     |
| 1    | 4460943     | 2   | Pin, Male                                                    |     |
| 1    | 4460466     | 1   | Plug, Terminal                                               |     |
| 2    | 4460925     | 1   | Connector - 21 Position                                      |     |
| 2    | 1001116695  | 15  | Pin, Male                                                    |     |
| 2    | 4460518     | 6   | Plug, Terminal                                               |     |
| 3    | 4460539     | 1   | Plug, Male - 3 Position                                      |     |
| 3    | 4460944     | 2   | Socket, Female                                               |     |
| 3    | 4460466     | 1   | Plug, Terminal                                               |     |
| 4    | 4460866     | 1   | Connector - 19 Position                                      |     |
| 4    | 4460464     | 7   | Pin, Male                                                    |     |
| 4    | 4460943     | 2   | Pin, Male                                                    |     |
| 4    | 4460508     | 1   | Pin, Male                                                    |     |
| 4    | 4460466     | 8   | Plug, Terminal                                               |     |
| 5    | 4460933     | 1   | Plug, Male - 12 Position                                     |     |
| 5    | 4460465     | 10  | Socket, Female                                               |     |
| 5    | 4460466     | 2   | Plug, Terminal                                               |     |
| 6    | 1001213447  | 1   | Connector - 4 Position                                       |     |
| 6    | See Note    | NSS | Terminal (Note: Purchase p/n 1001213447)                     |     |
| 7    | 4460434     | 1   | Connector - 15 Position                                      |     |
| 7    | 4460267     | 8   | Pin, Male                                                    |     |
| 8    | 4460873     | 1   | Connector - 35 Position                                      |     |
| 8    | 4460871     | 24  | Socket, Female                                               |     |
| 8    | 4460905     | 11  | Plug, Terminal                                               |     |
| 9    | 4460894     | 1   | Plug, Male - 6 Position                                      |     |
| 9    | 4460465     | 6   | Socket, Female                                               |     |
| 10   | 4460874     | 1   | Connector - 35 Position                                      |     |
| 10   | 4460871     | 29  | Socket, Female                                               |     |
| 10   | 4460905     | 6   | Plug, Terminal                                               |     |
| 11   | 4460876     | 1   | Connector - 35 Position                                      |     |
| 11   | 4460871     | 12  | Socket, Female                                               |     |
| 11   | 4460905     | 23  | Plug, Terminal                                               |     |
| 12   | 4460970     | 1   | Receptacle, Female - 12 Position                             |     |
| 12   | 1001116693  | 6   | Pin, Male                                                    |     |
| 12   | 4460466     | 6   | Plug, Terminal                                               |     |
| 13   | 4460761     | 1   | Receptacle, Female - 4 Position                              |     |
| 13   | 1001118378  | 4   | Pin, Male                                                    |     |
| 14   | 4460879     | 1   | Plug, Male - 2 Position                                      |     |
| 14   | 4460887     | 2   | Terminal                                                     |     |
| 15   | 1001098122  | 2   | Terminal, Ring                                               |     |
| 16   | 4460418     | 10  | Connector - 6 Position                                       |     |
| 16   | 4460419     | 20  | Terminal                                                     |     |
| 16   | 1001159186  | 18  | Terminal                                                     |     |
| 17   | 4460225     | 1   | Plug, Male - 6 Position                                      |     |
| 17   | 4460227     | 6   | Pin, Male (Note: Used on Pump Potentiometer Connection Only) |     |
| 17   | 4460267     | 2   | Terminal                                                     |     |
| 18   | 4460260     | 6   | Housing, Terminal                                            |     |
| 18   | 4460259     | 6   | Terminal                                                     |     |
| 19   | 4460183     | 2   | Terminal, Fork                                               |     |

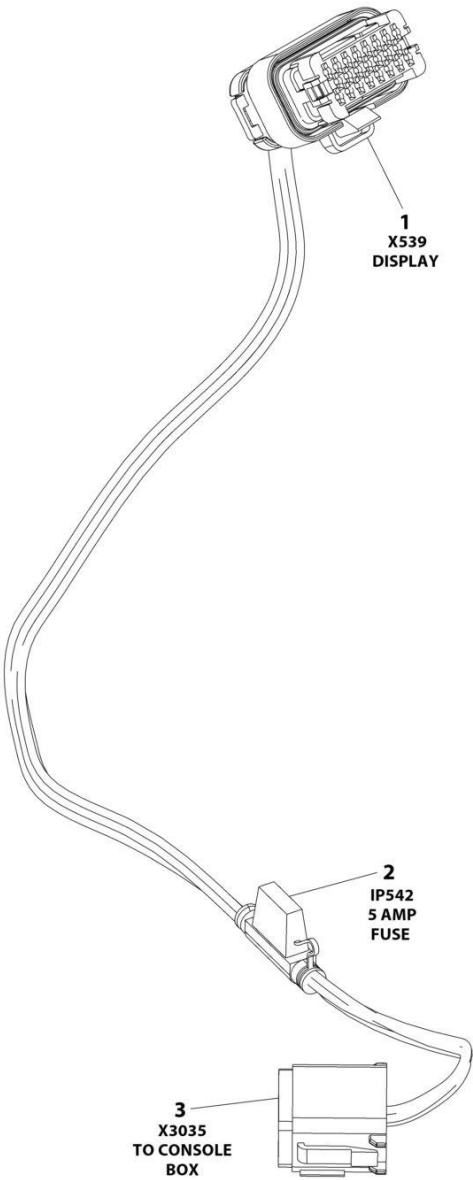
SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
| 20   | 1001237667  | 1   | Connector - 6 Position   |     |
| 20   | 1001237668  | 4   | Terminal                 |     |
| 21   | 1001271497  | 1   | Terminal                 |     |
| 101  | 4460708     | 1   | Connector - 12 Position  |     |
| 102  | 4460933     | 1   | Plug, Male - 12 Position |     |
| 103  | 1001125677  | 1   | Connector, Bussbar       |     |



SECTION 8 - ELECTRICAL

FIGURE 8-63. PLATFORM DISPLAY HARNESS



ART\_1001241530

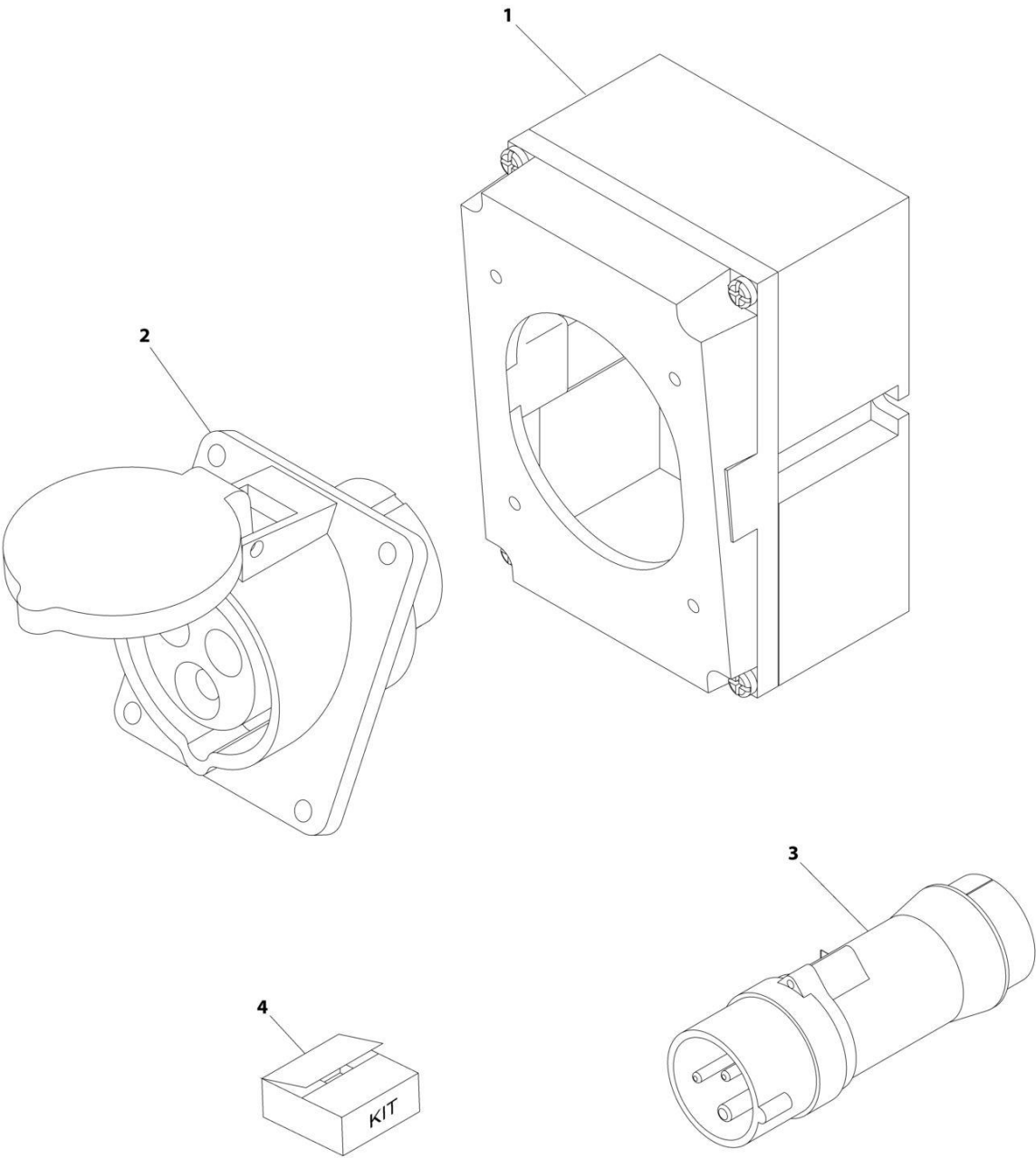
## SECTION 8 - ELECTRICAL

**FIGURE 8-63. PLATFORM DISPLAY HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001241530  | Ref | PLATFORM DISPLAY HARNESS | C   |
| 1    | 1001116994  | 1   | Connector - 23 Position  |     |
| 1    | 4460871     | 5   | Terminal                 |     |
| 1    | 4460905     | 18  | Plug, Terminal           |     |
| 2    | 1001170764  | 1   | Fuse Holder with Cover   |     |
| 2    | 8229242     | 1   | Fuse - 5Amp              |     |
| 3    | 4460933     | 1   | Plug, Male - 12 Position |     |
| 3    | 4460465     | 4   | Socket, Female           |     |
| 3    | 4460466     | 8   | Plug, Terminal           |     |

SECTION 8 - ELECTRICAL

FIGURE 8-64. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC)



ART\_0275216



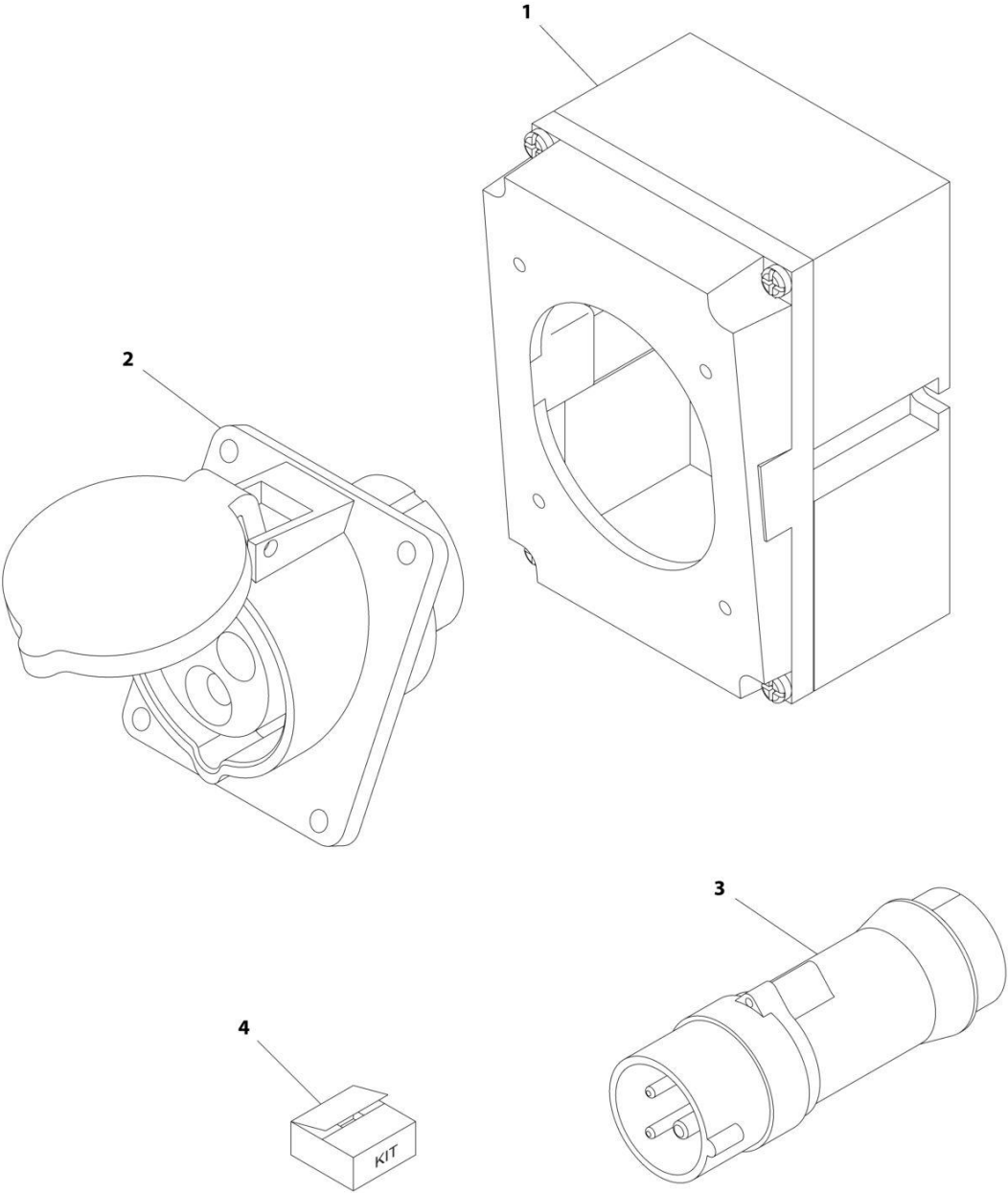
## SECTION 8 - ELECTRICAL

**FIGURE 8-64. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC)**

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

SECTION 8 - ELECTRICAL

FIGURE 8-65. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC)



ART\_0275217

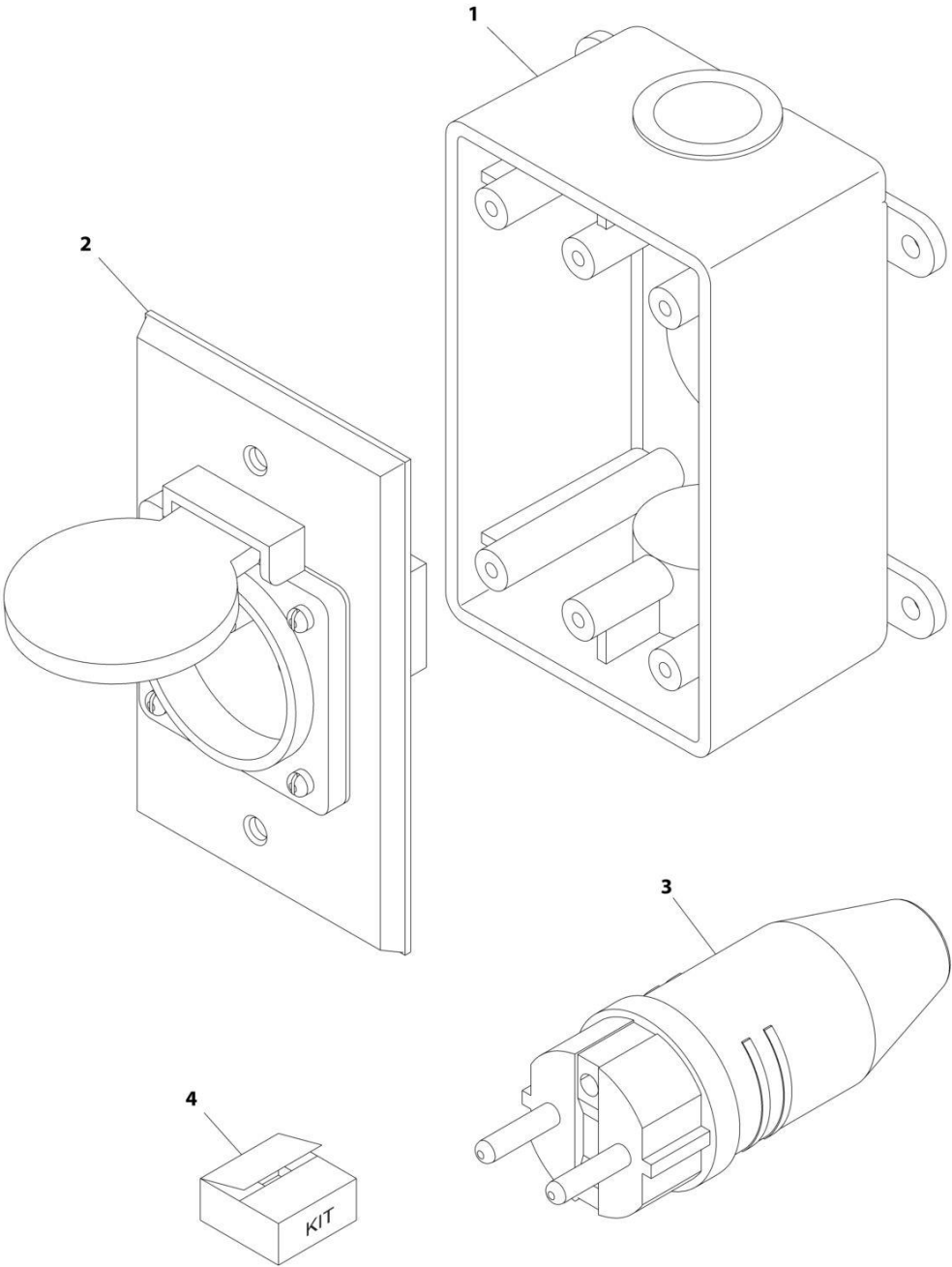
## SECTION 8 - ELECTRICAL

**FIGURE 8-65. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC)**

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

SECTION 8 - ELECTRICAL

FIGURE 8-66. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE SPEC)



ART\_0275452-C

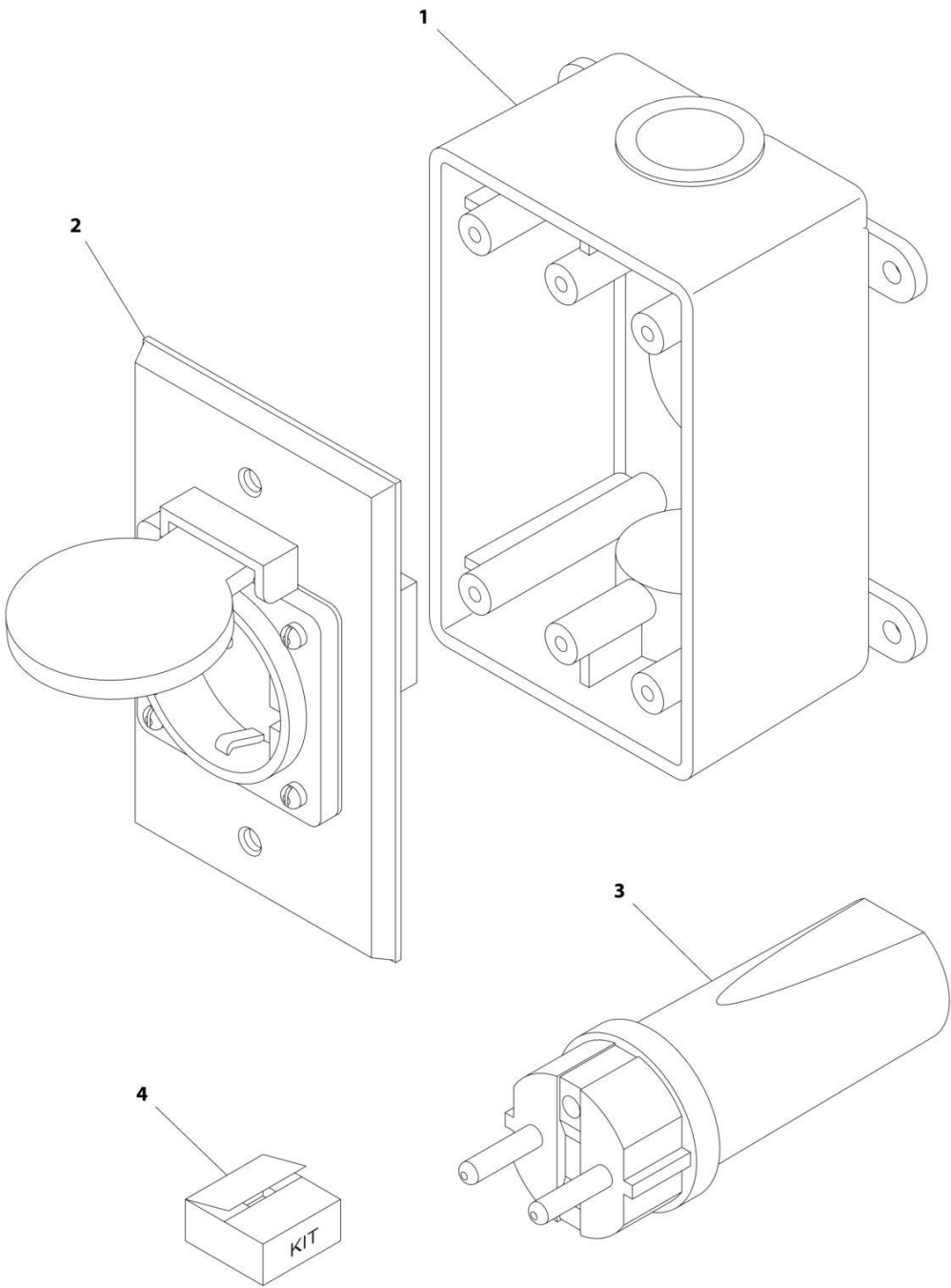
## SECTION 8 - ELECTRICAL

**FIGURE 8-66. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE SPEC)**

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

SECTION 8 - ELECTRICAL

FIGURE 8-67. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC)



ART\_0275453

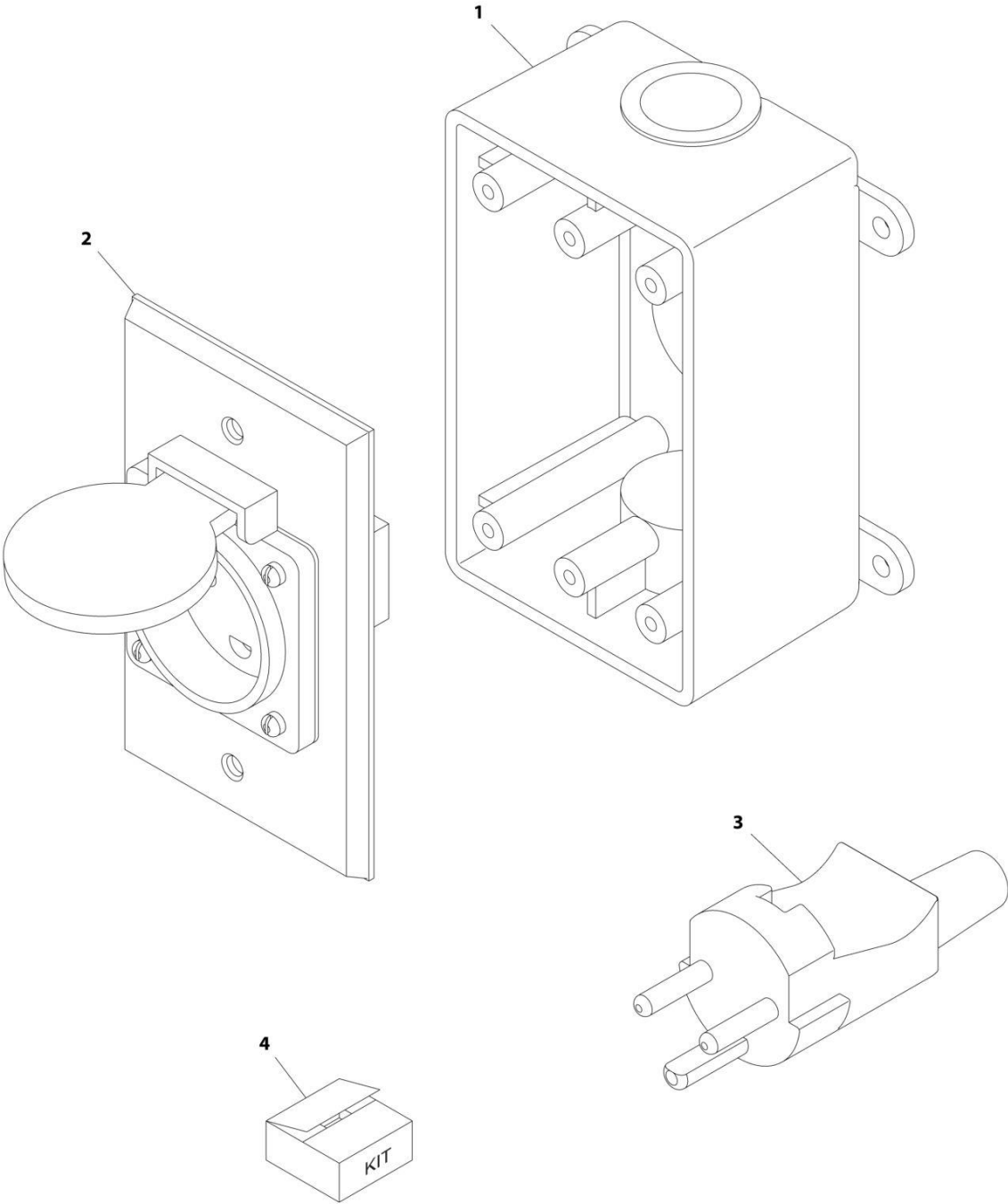
## SECTION 8 - ELECTRICAL

**FIGURE 8-67. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC)**

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

SECTION 8 - ELECTRICAL

FIGURE 8-68. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)



ART\_0275454



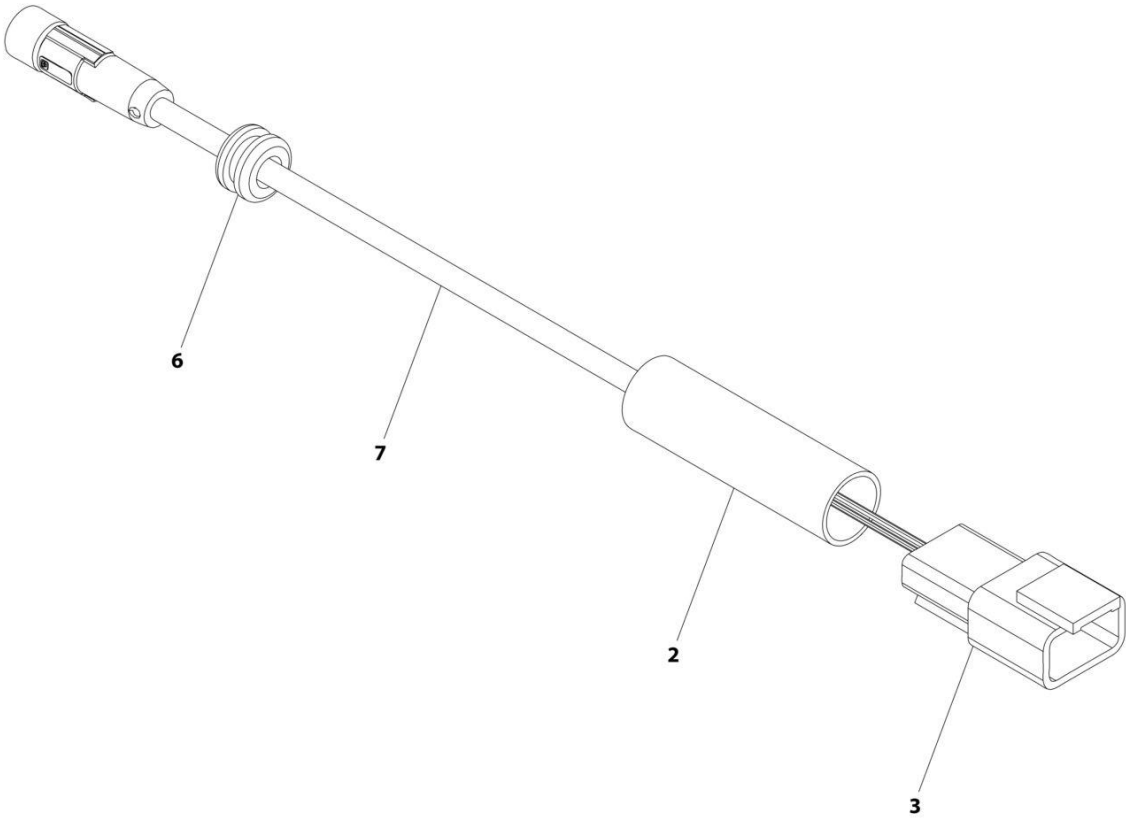
## SECTION 8 - ELECTRICAL

**FIGURE 8-68. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)**

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

SECTION 8 - ELECTRICAL

FIGURE 8-69. SKYEYE EMITTER HARNESS



ART\_1001237864

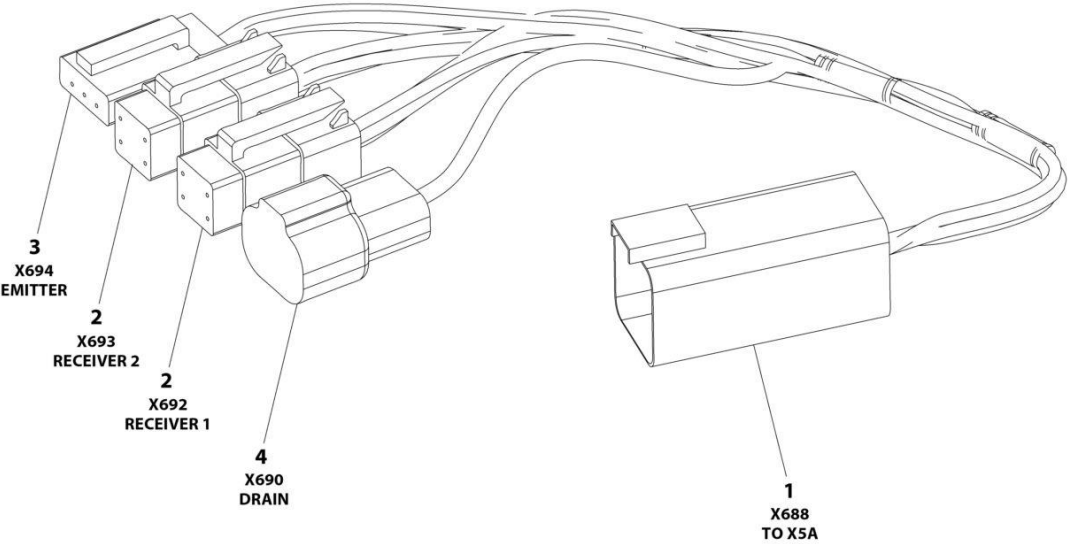
## SECTION 8 - ELECTRICAL

**FIGURE 8-69. SKYEYE EMITTER HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001237864  | Ref | SKYEYE EMITTER HARNESS   | A   |
| 2    | 2820247     | AR  | Tubing, Heat Shrink      |     |
| 3    | 4460910     | 1   | Connector - 3 Position   |     |
| 3    | 1001119620  | 3   | Pin, Male                |     |
| 6    | 1001227996  | 1   | Grommet                  |     |
| 7    | 1001237862  | 1   | Cable, M8 Female Cordset |     |

SECTION 8 - ELECTRICAL

FIGURE 8-70. SKYEYE INTERMEDIATE HARNESS



ART\_1001237865

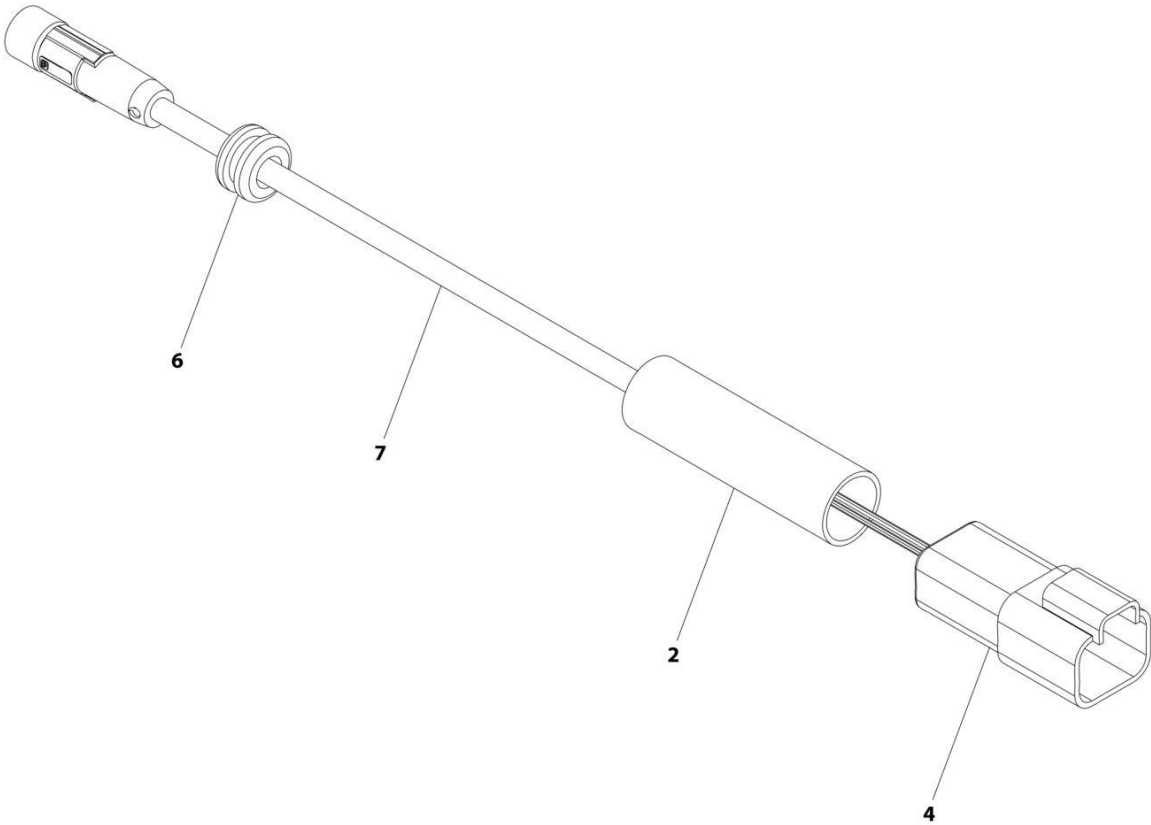
## SECTION 8 - ELECTRICAL

**FIGURE 8-70. SKYEYE INTERMEDIATE HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                 | REV |
|------|-------------|-----|-----------------------------|-----|
|      | 1001237865  | Ref | SKYEYE INTERMEDIATE HARNESS | A   |
| 1    | 4460899     | 1   | Connector - 6 Position      |     |
| 1    | 4460943     | 4   | Pin, Male                   |     |
| 1    | 4460466     | 2   | Plug, Terminal              |     |
| 2    | 4461077     | 2   | Connector - 4 Position      |     |
| 2    | 1001119619  | 8   | Socket, Female              |     |
| 3    | 4460911     | 1   | Connector - 3 Position      |     |
| 3    | 1001119619  | 3   | Socket, Female              |     |
| 4    | 1001187681  | 1   | Connector - 2 Position      |     |
| 4    | 4460941     | 1   | Pin, Male                   |     |
| 4    | 4460466     | 1   | Plug, Terminal              |     |

SECTION 8 - ELECTRICAL

FIGURE 8-71. SKYEYE RECEIVER HARNESS



ART\_1001237863

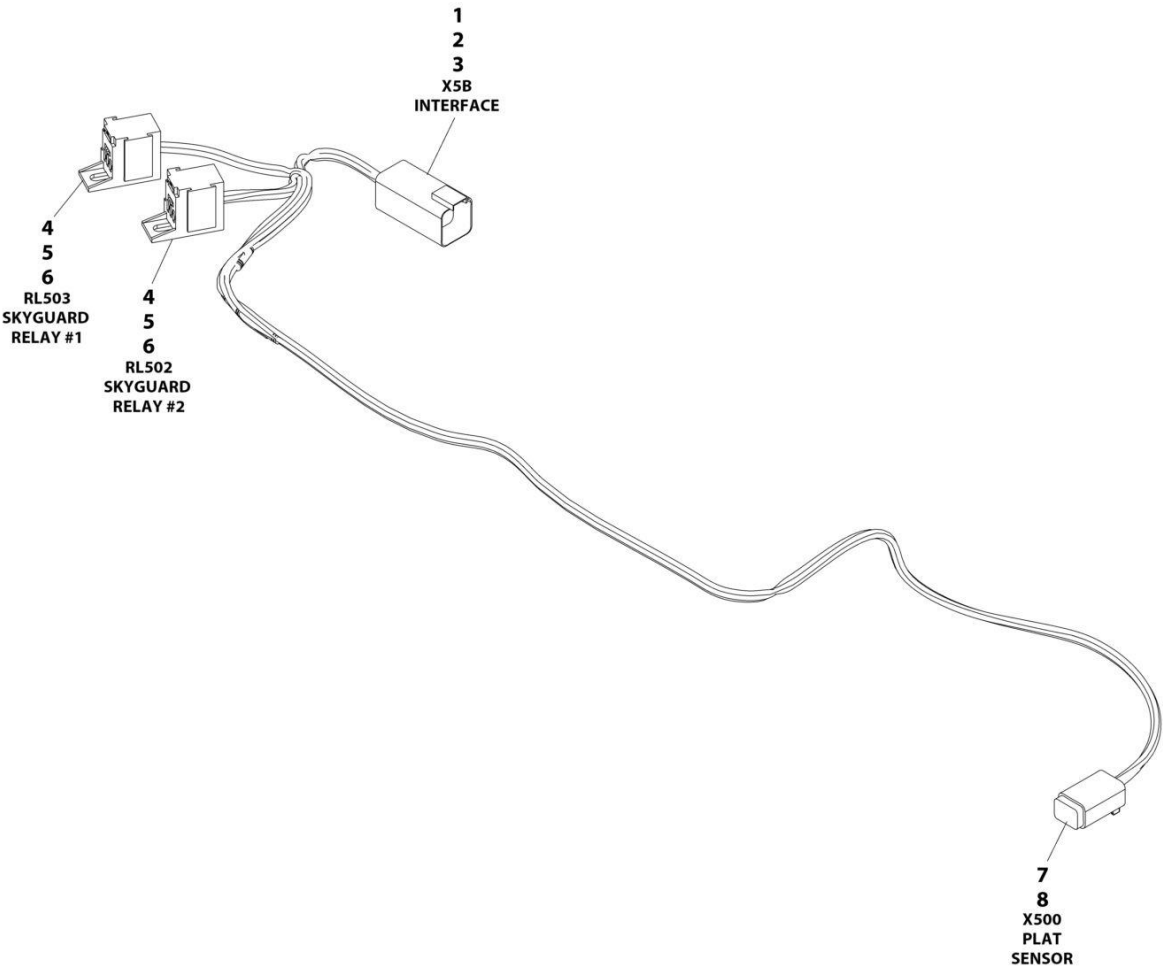
## SECTION 8 - ELECTRICAL

**FIGURE 8-71. SKYEYE RECEIVER HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION              | REV |
|------|-------------|-----|--------------------------|-----|
|      | 1001237863  | Ref | SKYEYE RECEIVER HARNESS  | A   |
| 2    | 2820247     | AR  | Tubing, Heat Shrink      |     |
| 4    | 1001097051  | 1   | Connector - 4 Position   |     |
| 4    | 1001119620  | 4   | Pin, Male                |     |
| 6    | 1001227996  | 1   | Grommet                  |     |
| 7    | 1001237862  | 1   | Cable, M8 Female Cordset |     |

SECTION 8 - ELECTRICAL

FIGURE 8-72. SKYGUARD INTERFACE HARNESS



ART\_1001225580



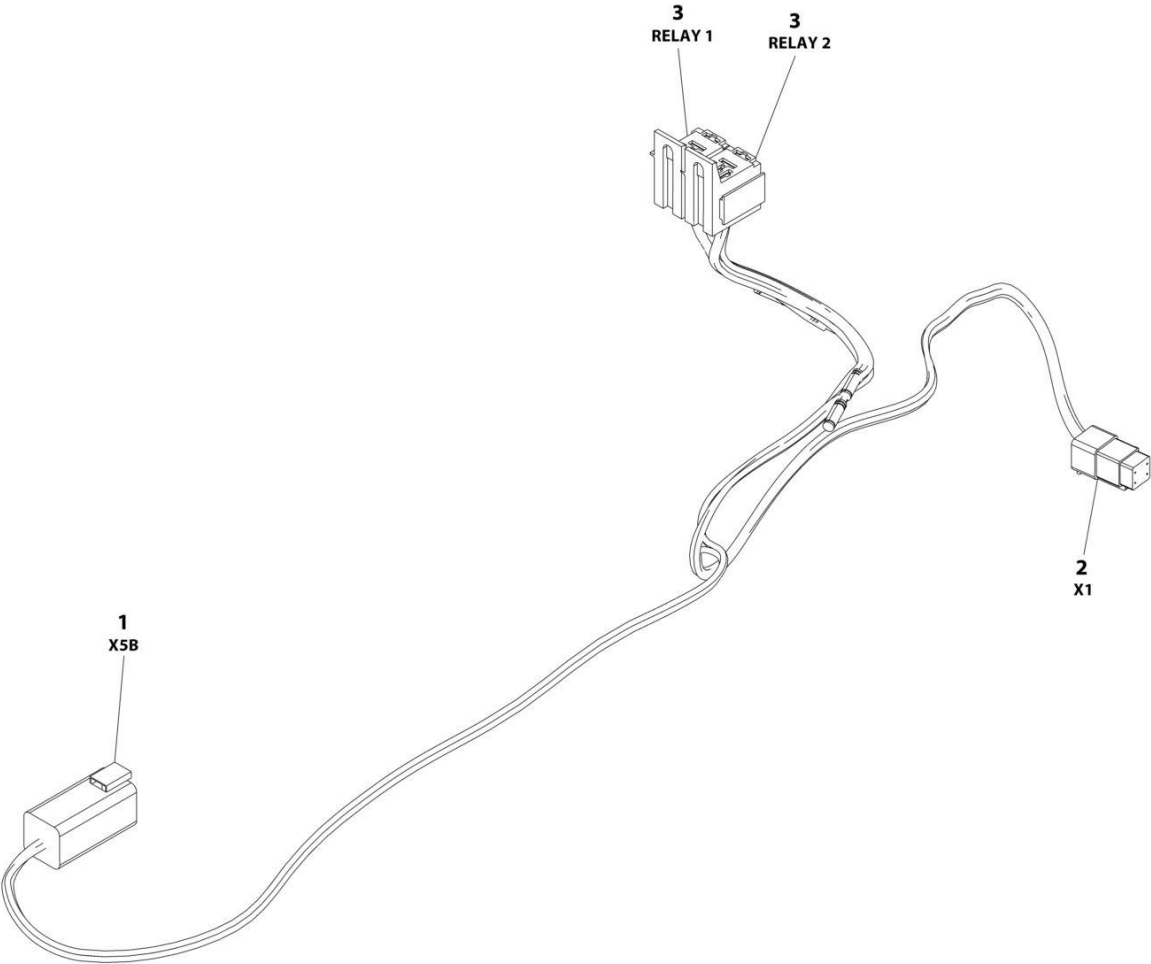
## SECTION 8 - ELECTRICAL

**FIGURE 8-72. SKYGUARD INTERFACE HARNESS**

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

SECTION 8 - ELECTRICAL

FIGURE 8-73. SKYLINE HARNESS



ART\_1001238418

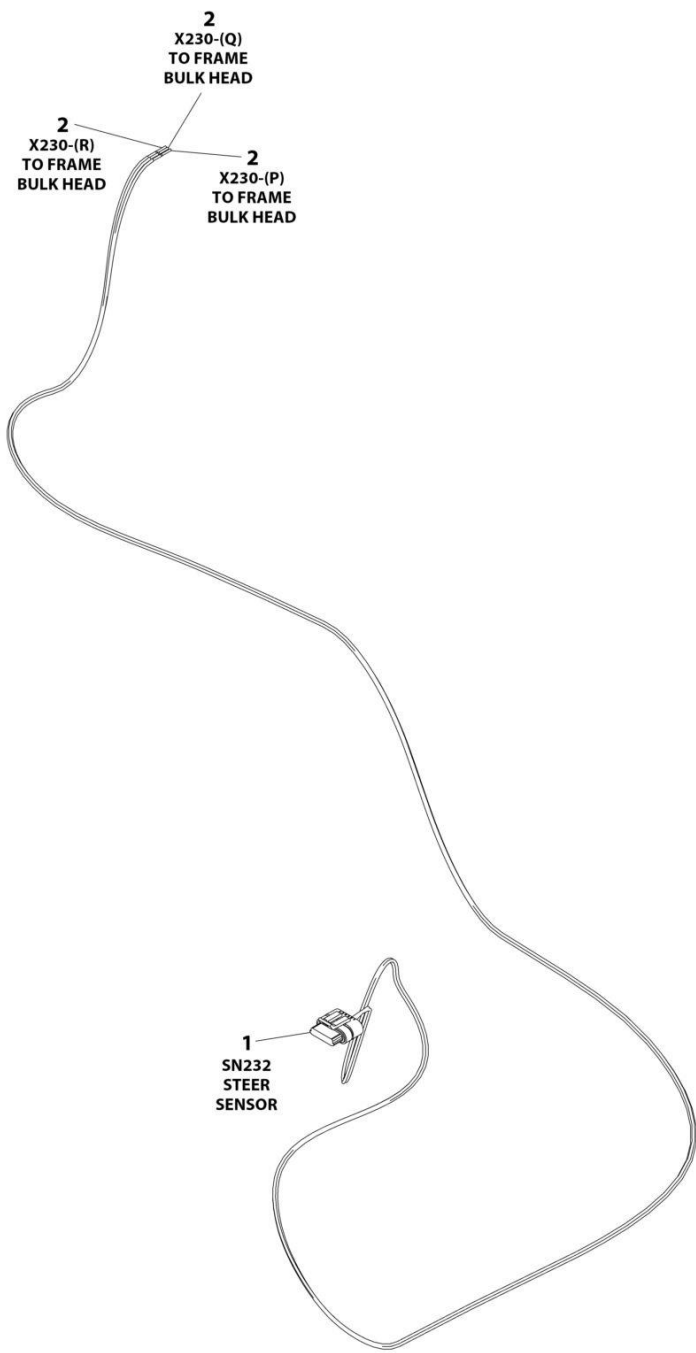
## SECTION 8 - ELECTRICAL

**FIGURE 8-73. SKYLINE HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION            | REV |
|------|-------------|-----|------------------------|-----|
|      | 1001238418  | Ref | SKYLINE HARNESS        | B   |
| 1    | 4460899     | 1   | Connector - 6 Position |     |
| 1    | 4460464     | 4   | Pin, Male              |     |
| 1    | 4460466     | 2   | Plug, Terminal         |     |
| 2    | 4461077     | 1   | Connector - 4 Position |     |
| 2    | 1001126009  | 4   | Socket, Female         |     |
| 3    | 1001186432  | 2   | Plug, Relay            |     |
| 3    | 1001118388  | 5   | Terminal               |     |
| 3    | 1001118384  | 3   | Terminal               |     |
| 3    | 3740086     | 2   | Relay                  |     |

SECTION 8 - ELECTRICAL

FIGURE 8-74. STEER HARNESS



ART\_1001239268

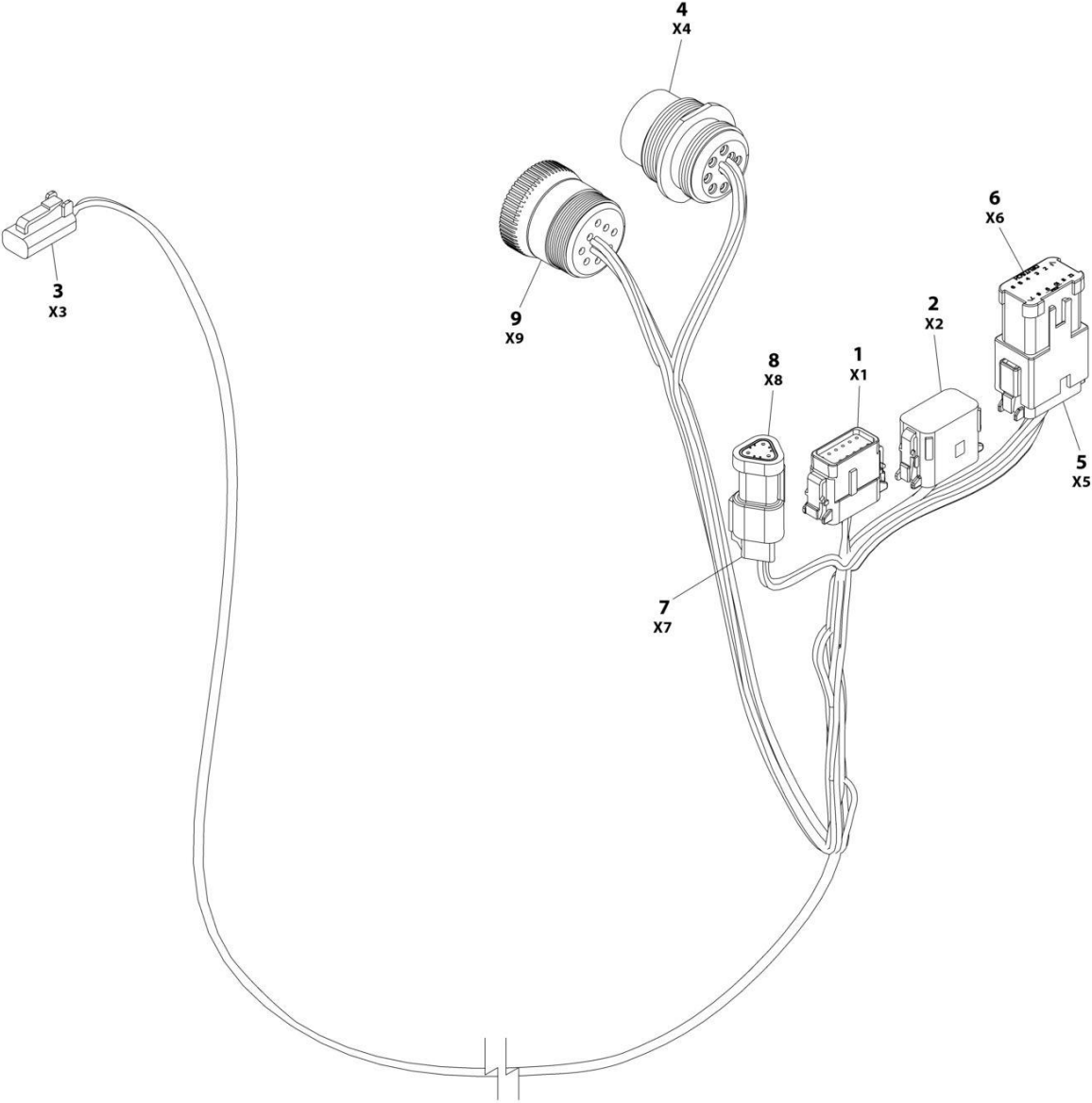
## SECTION 8 - ELECTRICAL

**FIGURE 8-74. STEER HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION             | REV |
|------|-------------|-----|-------------------------|-----|
|      | 1001239268  | Ref | STEER HARNESS           | E   |
| 1    | 1001230931  | 1   | Plug, Male - 6 Position |     |
| 1    | 1001116748  | 3   | Terminal                |     |
| 1    | 1001128128  | 3   | Plug, Terminal          |     |
| 2    | 4460465     | 3   | Socket, Female          |     |

SECTION 8 - ELECTRICAL

FIGURE 8-75. STROBE LIGHT CONTROL HARNESS



ART\_1001142736

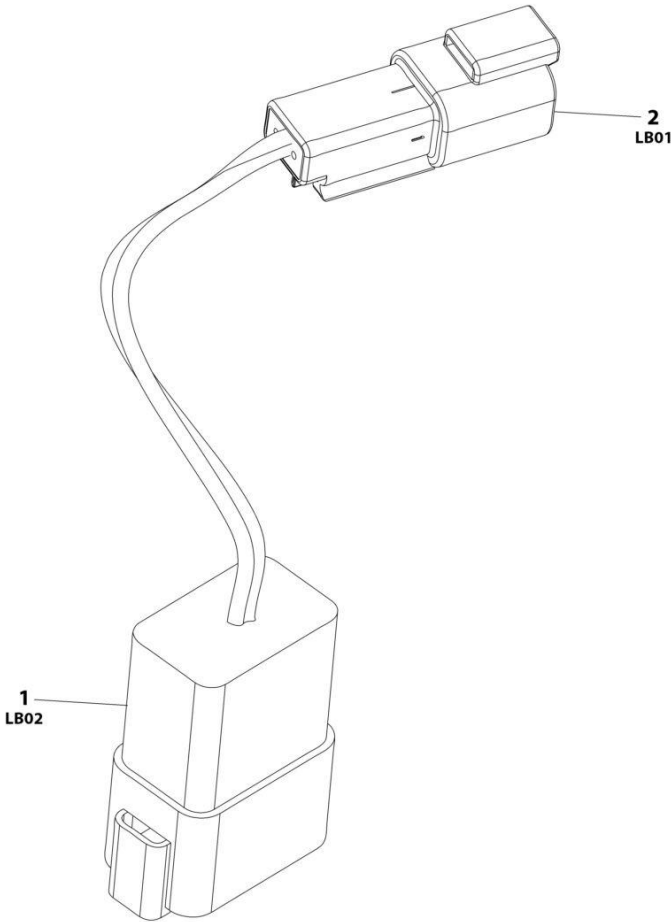
## SECTION 8 - ELECTRICAL

**FIGURE 8-75. STROBE LIGHT CONTROL HARNESS**

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

SECTION 8 - ELECTRICAL

FIGURE 8-76. STROBE LIGHT JUMPER HARNESS



ART\_1001283776



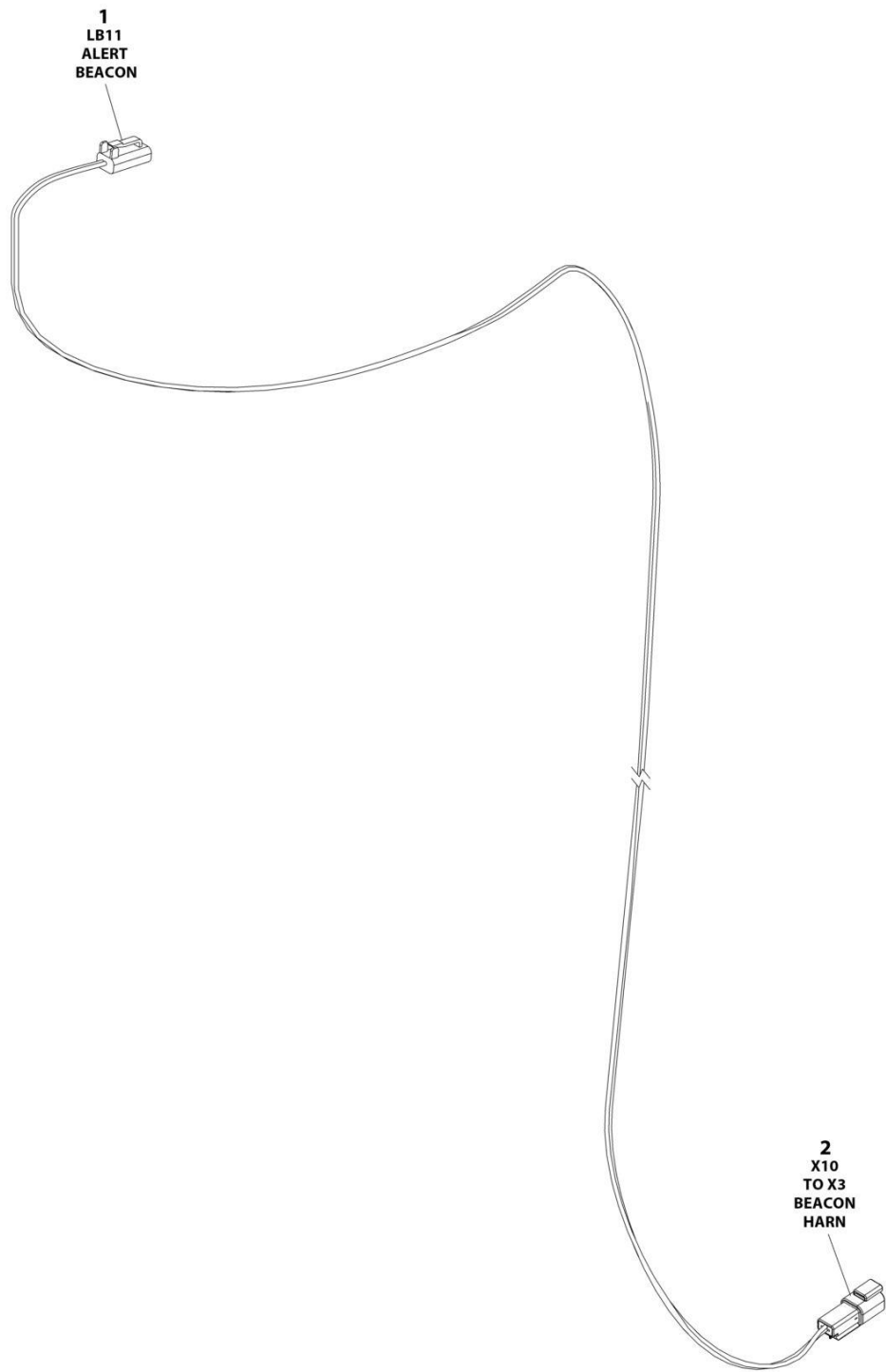
## SECTION 8 - ELECTRICAL

**FIGURE 8-76. STROBE LIGHT JUMPER HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                  | REV |
|------|-------------|-----|------------------------------|-----|
|      | 1001283776  | Ref | STROBE LIGHT HARNESS (AMBER) | A   |
| 1    | 4460931     | 1   | Connector                    |     |
| 1    | 4460464     | 2   | Pin                          |     |
| 1    | 4460466     | 6   | Plug                         |     |
| 2    | 4460897     | 1   | Connector                    |     |
| 2    | 4460464     | 2   | Pin                          |     |

SECTION 8 - ELECTRICAL

FIGURE 8-77. STROBE LIGHT JUMPER HARNESS (BLUE & RED)



ART\_1001285733

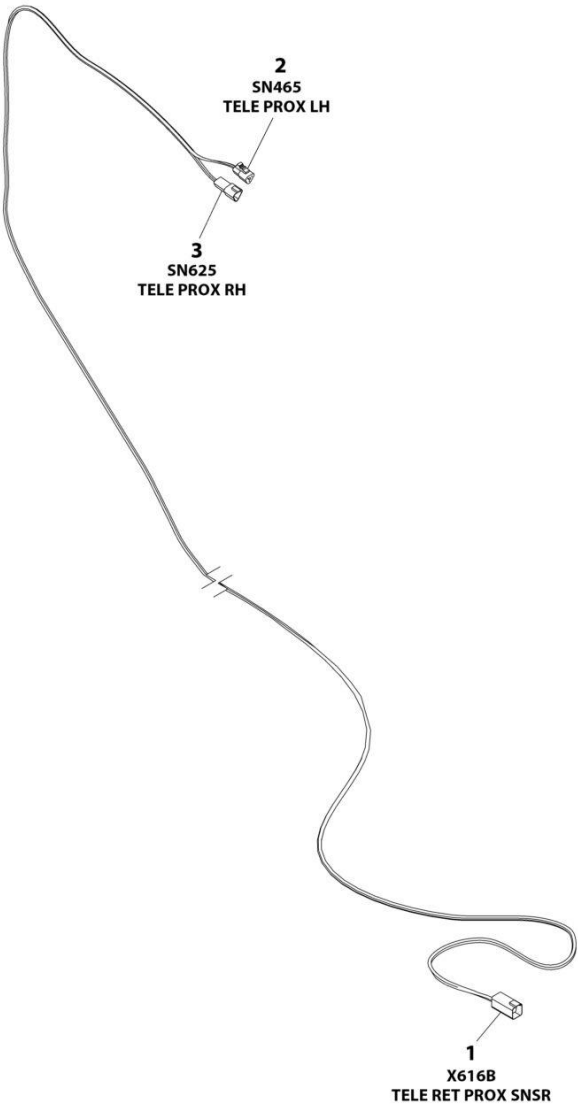
## SECTION 8 - ELECTRICAL

**FIGURE 8-77. STROBE LIGHT JUMPER HARNESS (BLUE & RED)**

| ITEM | PART NUMBER | QTY | DESCRIPTION           | REV |
|------|-------------|-----|-----------------------|-----|
|      | 1001285733  | Ref | BEACON JUMPER HARNESS | A   |
| 1    | 4460891     | 1   | Connector             |     |
| 1    | 4460465     | 2   | Socket                |     |
| 2    | 4460897     | 1   | Connector             |     |
| 2    | 4460464     | 2   | Pin                   |     |

SECTION 8 - ELECTRICAL

FIGURE 8-78. TELE PROXIMITY HARNESS



ART\_1001189003

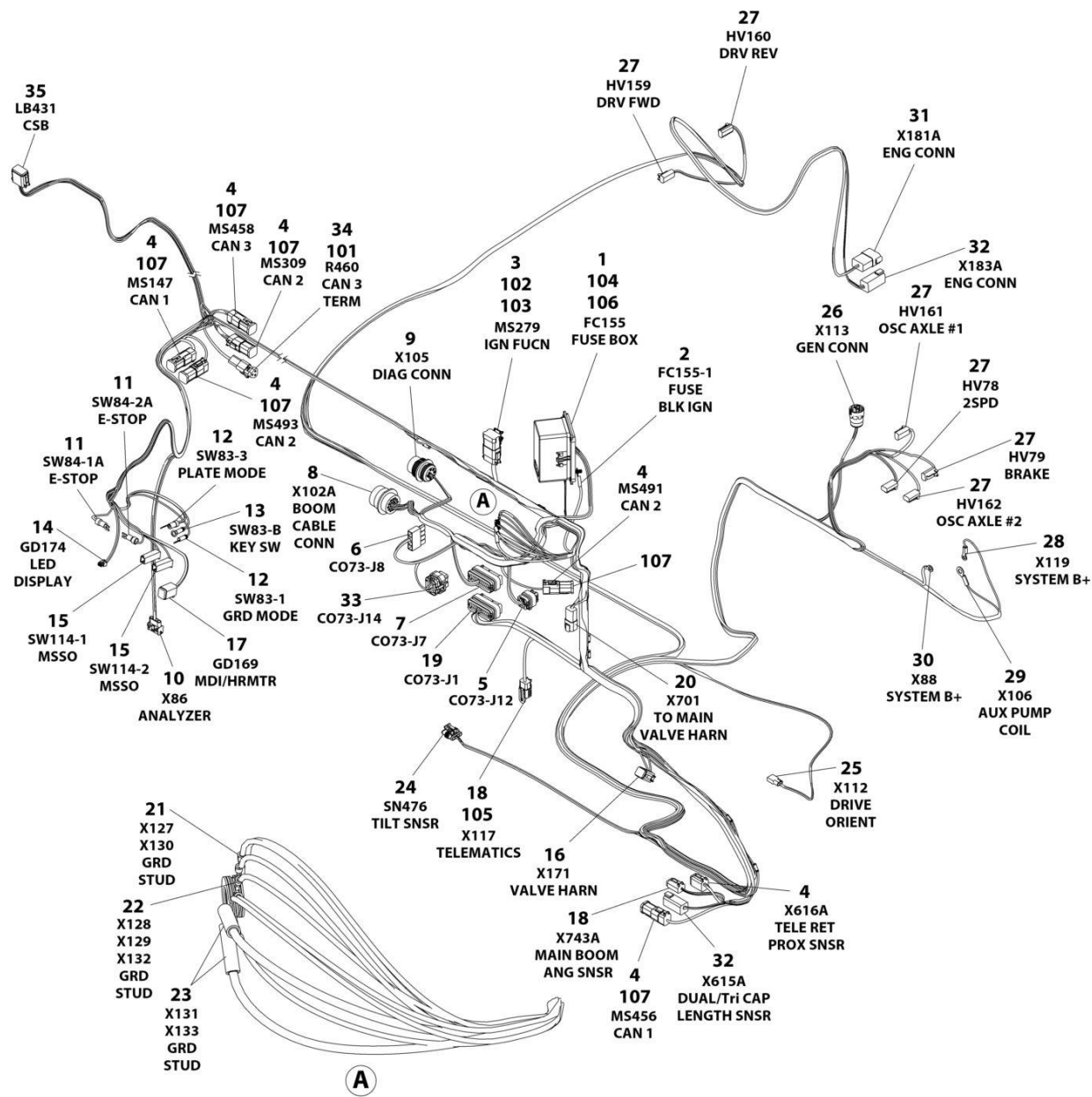
## SECTION 8 - ELECTRICAL

**FIGURE 8-78. TELE PROXIMITY HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001189003  | Ref | TELE PROXIMITY HARNESS          | E   |
| 1    | 4460899     | 1   | Receptacle, Female - 6 Position |     |
| 1    | 4460464     | 6   | Pin, Male                       |     |
| 2    | 4460539     | 1   | Plug, Male - 3 Position         |     |
| 2    | 4460465     | 3   | Socket, Female                  |     |
| 3    | 4460536     | 1   | Receptacle, Female - 3 Position |     |
| 3    | 4460464     | 3   | Pin, Male                       |     |

SECTION 8 - ELECTRICAL

FIGURE 8-79. TURNTABLE HARNESS



ART\_1001282065

## SECTION 8 - ELECTRICAL

**FIGURE 8-79. TURNTABLE HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION          | REV |
|------|-------------|-----|----------------------|-----|
|      | 1001282065  | Ref | TURNTABLE HARNESS    | B   |
| 1    | 1001196602  | 1   | Box, Fuse Less Fuses |     |
| 1    | 1001196604  | 1   | Cover, Box           |     |
| 1    | 1001190921  | 1   | Spacer, Foam         |     |
| 1    | 1001196634  | 2   | Fuse 2 Amp           |     |
| 1    | 8229242     | 7   | Fuse 5 Amp           |     |
| 1    | 8229244     | 2   | Fuse 15Amp           |     |
| 1    | 1001095704  | 2   | Relay                |     |
| 1    | 1001196636  | 2   | Diode 1 Amp          |     |
| 1    | 8220098     | 6   | Terminal             |     |
| 1    | 8220089     | 6   | Seal, Terminal       |     |
| 1    | 8220097     | 19  | Terminal             |     |
| 1    | 4460458     | 19  | Seal, Terminal       |     |
| 1    | 4460748     | 10  | Plug, Terminal       |     |
| 2    | 1001117106  | 1   | Terminal, Ring       |     |
| 3    | 4460933     | 1   | Connector            |     |
| 3    | 4460465     | 8   | Socket               |     |
| 3    | 4460466     | 4   | Seal, Terminal       |     |
| 4    | 4460894     | 7   | Connector            |     |
| 4    | 4460465     | 42  | Socket               |     |
| 5    | 1001113961  | 1   | Connector            |     |
| 5    | 4460871     | 5   | Socket               |     |
| 5    | 4460905     | 3   | Plug, Terminal       |     |
| 6    | 4460878     | 1   | Connector            |     |
| 6    | 4460887     | 2   | Socket               |     |
| 7    | 4460873     | 1   | Connector            |     |
| 7    | 4460871     | 26  | Socket               |     |
| 7    | 4460905     | 9   | Plug, Terminal       |     |
| 8    | 4460866     | 1   | Connector            |     |
| 8    | 4460464     | 10  | Pin                  |     |
| 8    | 4460508     | 2   | Pin                  |     |
| 8    | 4460466     | 7   | Plug, Terminal       |     |
| 9    | 1001112612  | 1   | Connector            |     |
| 9    | 4460464     | 5   | Pin                  |     |
| 9    | 4460466     | 4   | Plug, Terminal       |     |
| 10   | 1001119032  | 1   | Connector            |     |
| 10   | 1001118378  | 4   | Pin                  |     |
| 11   | 4460183     | 2   | Terminal, Ring       |     |
| 12   | 4460042     | 2   | Terminal, Ring       |     |
| 13   | 4460247     | 1   | Terminal, Ring       |     |
| 14   | 1001237667  | 1   | Connector            |     |
| 14   | 1001237668  | 5   | Terminal             |     |
| 15   | 4460260     | 2   | Cover, Terminal      |     |
| 15   | 4460259     | 2   | Terminal             |     |
| 16   | 4460930     | 1   | Connector            |     |
| 16   | 4460465     | 4   | Plug, Terminal       |     |
| 16   | 4460466     | 4   | Plug, Terminal       |     |
| 17   | 4460894     | 1   | Connector            |     |
| 17   | 4460465     | 4   | Socket               |     |
| 17   | 4460466     | 2   | Plug, Terminal       |     |

## SECTION 8 - ELECTRICAL

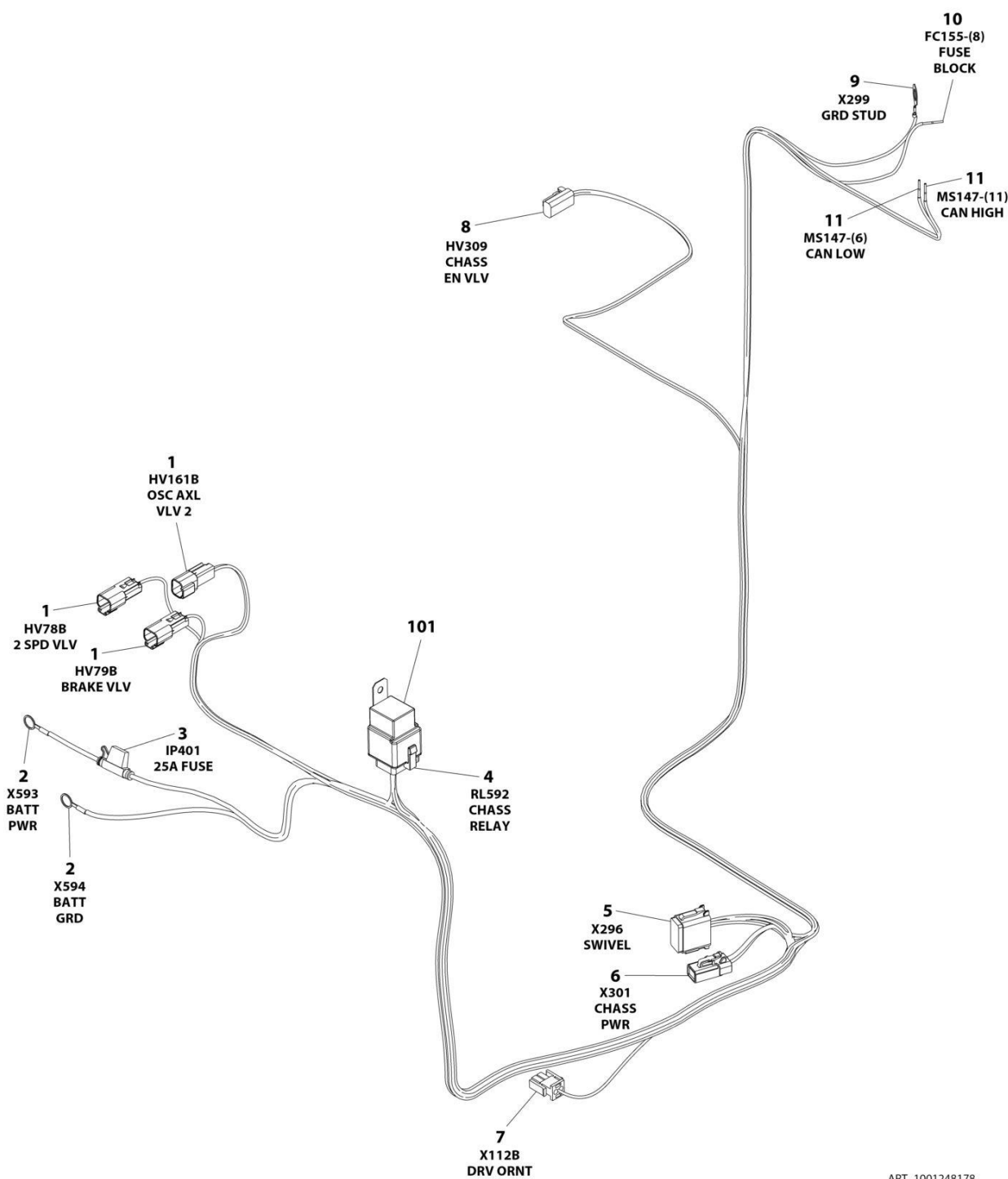
| ITEM | PART NUMBER | QTY | DESCRIPTION        | REV |
|------|-------------|-----|--------------------|-----|
| 18   | 4460884     | 2   | Connector          |     |
| 18   | 4460465     | 8   | Socket             |     |
| 19   | 4460874     | 1   | Connector          |     |
| 19   | 4460871     | 21  | Socket             |     |
| 19   | 4460905     | 14  | Plug, Terminal     |     |
| 20   | 4460932     | 1   | Connector          |     |
| 20   | 4460464     | 4   | Pin                |     |
| 21   | 1001187078  | 2   | Terminal, Ring     |     |
| 22   | 1001187077  | 3   | Terminal, Ring     |     |
| 23   | 1001117110  | 2   | Terminal, Ring     |     |
| 24   | 1001103012  | 1   | Connector          |     |
| 24   | 1001107854  | 4   | Socket             |     |
| 25   | 4460424     | 1   | Connector          |     |
| 25   | 4460226     | 2   | Socket             |     |
| 26   | 4460967     | 1   | Connector          |     |
| 26   | 4460465     | 3   | Socket             |     |
| 27   | 4460891     | 6   | Connector          |     |
| 27   | 4460465     | 12  | Socket             |     |
| 28   | 4460703     | 1   | Terminal, Ring     |     |
| 29   | 4460702     | 1   | Terminal, Ring     |     |
| 30   | 8220045     | 1   | Terminal, Ring     |     |
| 31   | 4460931     | 1   | Connector          |     |
| 31   | 4460464     | 5   | Pin                |     |
| 31   | 4460466     | 3   | Socket             |     |
| 32   | 4460899     | 2   | Connector          |     |
| 32   | 4460464     | 11  | Pin                |     |
| 32   | 4460466     | 1   | Seal, Terminal     |     |
| 33   | 1001246859  | 1   | Connector          |     |
| 33   | 4460871     | 4   | Socket             |     |
| 33   | 4460905     | 10  | Plug               |     |
| 34   | 1001144147  | 1   | Connector          |     |
| 34   | 4460943     | 2   | Pin                |     |
| 34   | 4460466     | 1   | Plug, Terminal     |     |
| 35   | 4460930     | 1   | Connector          |     |
| 35   | 4460465     | 6   | Socket             |     |
| 101  | 1001116815  | 1   | Connector          |     |
| 102  | 1001121172  | 1   | Mounting, Bracket  |     |
| 103  | 1001125677  | 1   | Connector          |     |
| 104  | 1001190921  | 1   | Seal               |     |
| 105  | 1001192401  | 1   | Connector          |     |
| 106  | 1001196604  | 1   | Cover              |     |
| 107  | 1001226541  | 6   | Connector, Bussbar |     |





SECTION 8 - ELECTRICAL

FIGURE 8-80. TURNTABLE AUXILIARY HARNESS



ART\_1001248178

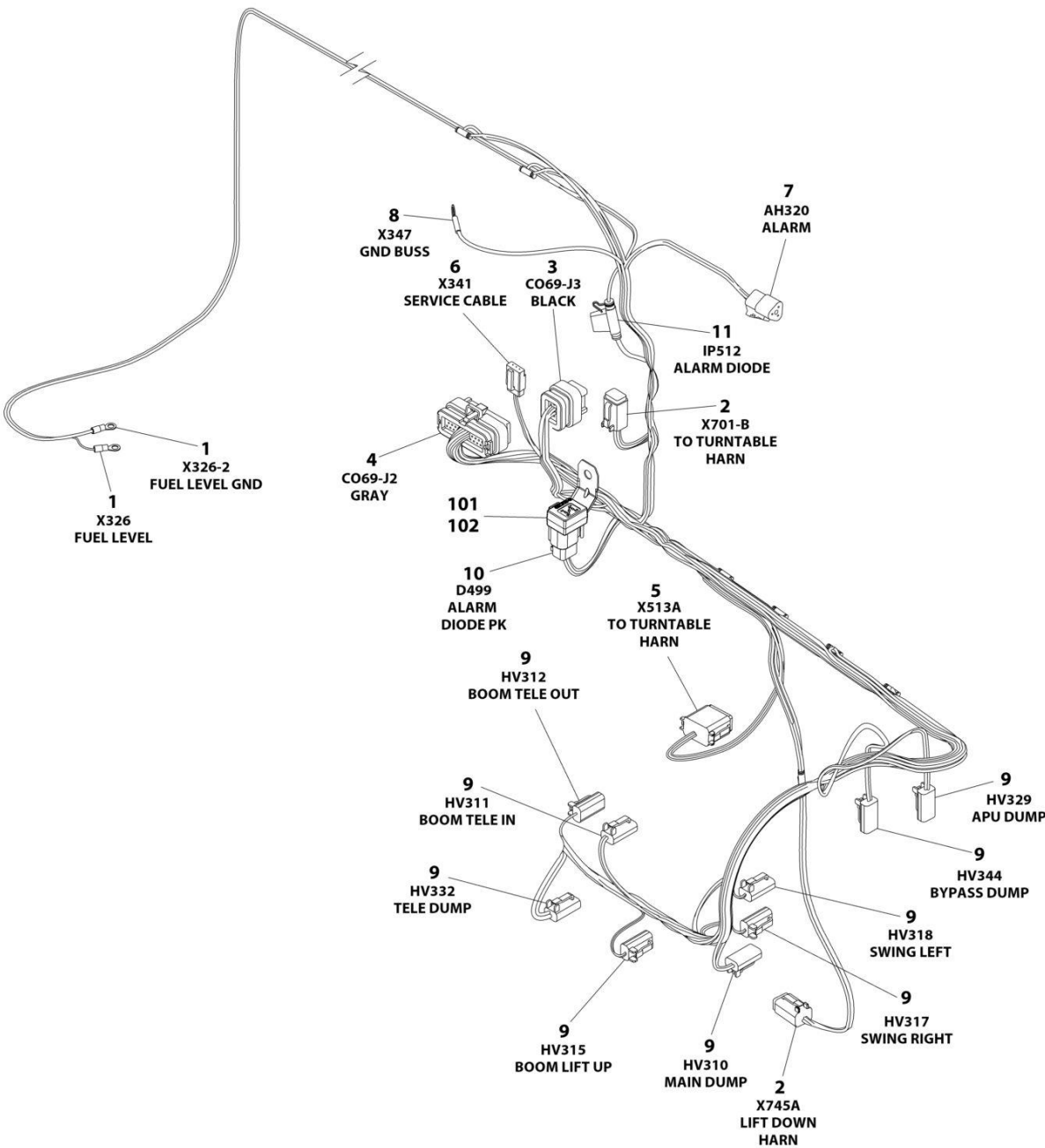
## SECTION 8 - ELECTRICAL

**FIGURE 8-80. TURNTABLE AUXILIARY HARNESS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001248178  | Ref | TURNTABLE AUXILIARY HARNESS     | B   |
| 1    | 4460897     | 3   | Receptacle, Female - 2 Position |     |
| 1    | 4460464     | 6   | Pin, Male                       |     |
| 2    | 4460019     | 2   | Terminal, Ring                  |     |
| 3    | 2400066     | 1   | Fuseholder with Cover           |     |
| 3    |             | Ref | Fuse 25Amp                      |     |
| 4    | 4460374     | 1   | Connector, Relay                |     |
| 4    | 1001116734  | 2   | Terminal                        |     |
| 4    | 1001116733  | 2   | Terminal                        |     |
| 4    | 1001128128  | 1   | Plug, Terminal                  |     |
| 5    | 4460836     | 1   | Plug, Male - 12 Position        |     |
| 5    | 4460465     | 5   | Socket, Female                  |     |
| 5    | 4460466     | 7   | Plug, Terminal                  |     |
| 6    | 4461018     | 1   | Plug, Male - 2 Position         |     |
| 6    | 1001150611  | 2   | Terminal                        |     |
| 7    | 4460320     | 1   | Plug, Male - 2 Position         |     |
| 7    | 4460227     | 1   | Terminal                        |     |
| 8    | 4460891     | 1   | Plug, Male - 2 Position         |     |
| 8    | 4460465     | 2   | Socket, Female                  |     |
| 9    | 1001187077  | 1   | Terminal, Ring                  |     |
| 10   | 8220097     | 1   | Terminal                        |     |
| 10   | 4460458     | 1   | Seal                            |     |
| 11   | 4460465     | 1   | Socket, Female                  |     |
| 101  | 3740080     | 1   | Relay                           |     |

SECTION 8 - ELECTRICAL

FIGURE 8-81. VALVE HARNESS - MAIN CONTROL



ART\_1001284773

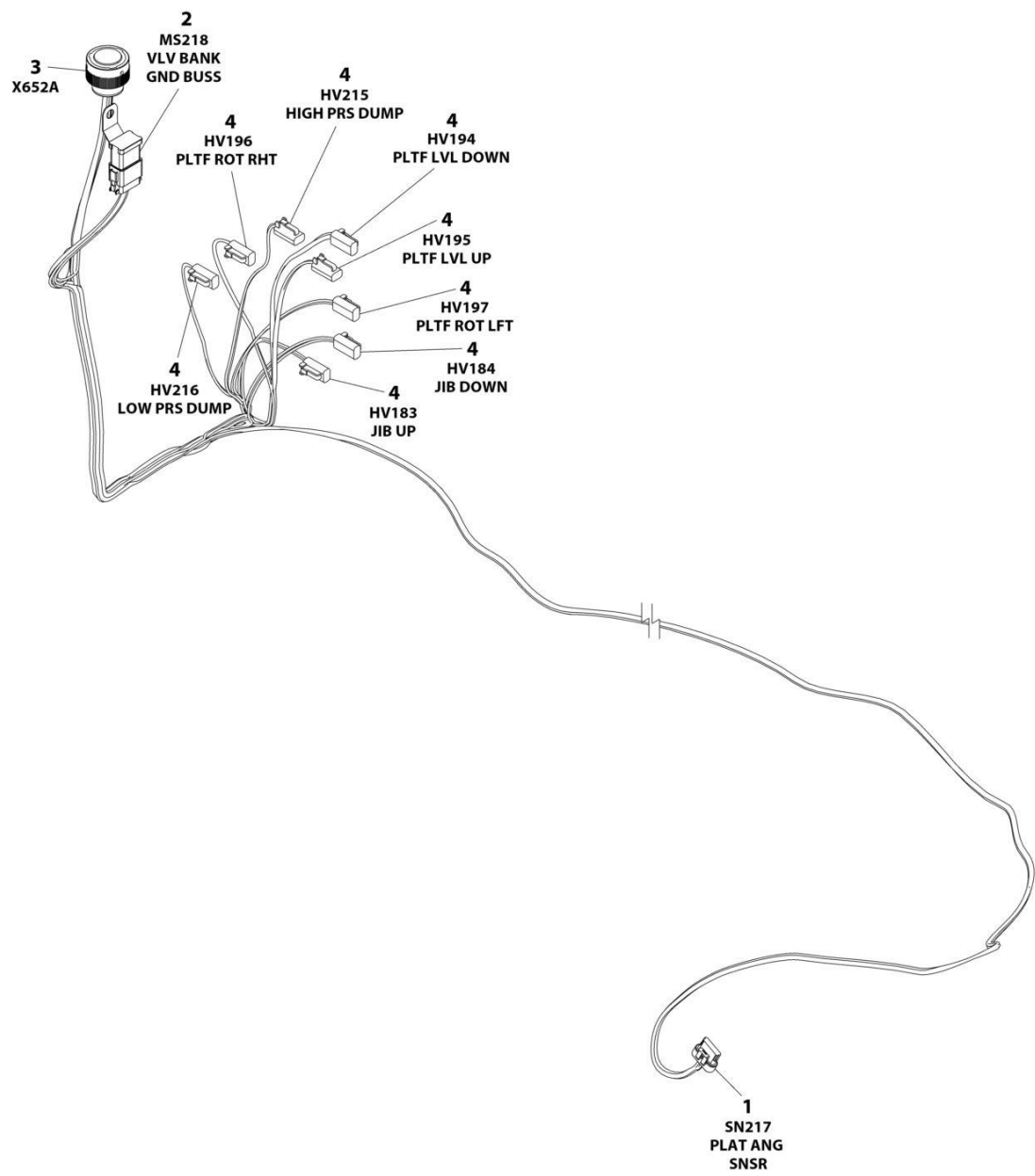
## SECTION 8 - ELECTRICAL

**FIGURE 8-81. VALVE HARNESS - MAIN CONTROL**

| ITEM | PART NUMBER | QTY | DESCRIPTION        | REV |
|------|-------------|-----|--------------------|-----|
|      | 1001284773  | Ref | MAIN VALVE HARNESS | A   |
| 1    | 4460313     | 2   | Terminal, Ring     |     |
| 2    | 4460884     | 2   | Connector          |     |
| 2    | 4460465     | 8   | Socket             |     |
| 3    | 4460872     | 1   | Connector          |     |
| 3    | 4460871     | 10  | Socket             |     |
| 3    | 4460905     | 4   | Plug               |     |
| 4    | 4460875     | 1   | Connector          |     |
| 4    | 4460871     | 21  | Socket             |     |
| 4    | 4460905     | 14  | Plug               |     |
| 5    | 4460930     | 1   | Connector          |     |
| 5    | 4460465     | 7   | Socket             |     |
| 5    | 4460466     | 1   | Plug               |     |
| 6    | 4460911     | 1   | Connector          |     |
| 6    | 1001116694  | 3   | Socket             |     |
| 7    | 4460539     | 1   | Connector          |     |
| 7    | 4460465     | 3   | Socket             |     |
| 8    | 4460256     | 1   | Terminal, Ring     |     |
| 9    | 4460891     | 9   | Connector          |     |
| 9    | 4460465     | 18  | Socket             |     |
| 10   | 4460884     | 1   | Connector          |     |
| 10   | 4460465     | 4   | Socket             |     |
| 11   | 1001196636  | 1   | Connector          |     |
| 101  | 1001152266  | 1   | Connector          |     |
| 102  | 1001155743  | 1   | Terminal, Holder   |     |

SECTION 8 - ELECTRICAL

FIGURE 8-82. VALVE HARNESS - PLATFORM



ART\_1001264338\_B

## SECTION 8 - ELECTRICAL

**FIGURE 8-82. VALVE HARNESS - PLATFORM**

| ITEM | PART NUMBER | QTY | DESCRIPTION            | REV |
|------|-------------|-----|------------------------|-----|
|      | 1001264338  | Ref | PLATFORM VALVE HARNESS | B   |
| 1    | 1001230931  | 1   | Plug                   |     |
| 1    | 1001116748  | 6   | Terminal               |     |
| 2    | 4460836     | 1   | Plug                   |     |
| 2    | 4460465     | 9   | Socket                 |     |
| 2    | 4460466     | 3   | Plug                   |     |
| 2    | 4460837     | 1   | Connector              |     |
| 2    | 1001120328  | 1   | Clip, Mounting         |     |
| 3    | 1001283549  | 1   | Connector              |     |
| 3    | 4460492     | 1   | Clamp                  |     |
| 3    | 4460928     | 15  | Socket                 |     |
| 3    | 4460518     | 6   | Plug                   |     |
| 4    | 4460891     | 8   | Plug                   |     |
| 4    | 4460465     | 16  | Socket                 |     |

SECTION 8 - ELECTRICAL

FIGURE 8-83. WHITE NOISE ALARM HARNESS



ART\_1001243682



## SECTION 8 - ELECTRICAL

**FIGURE 8-83. WHITE NOISE ALARM HARNESS**

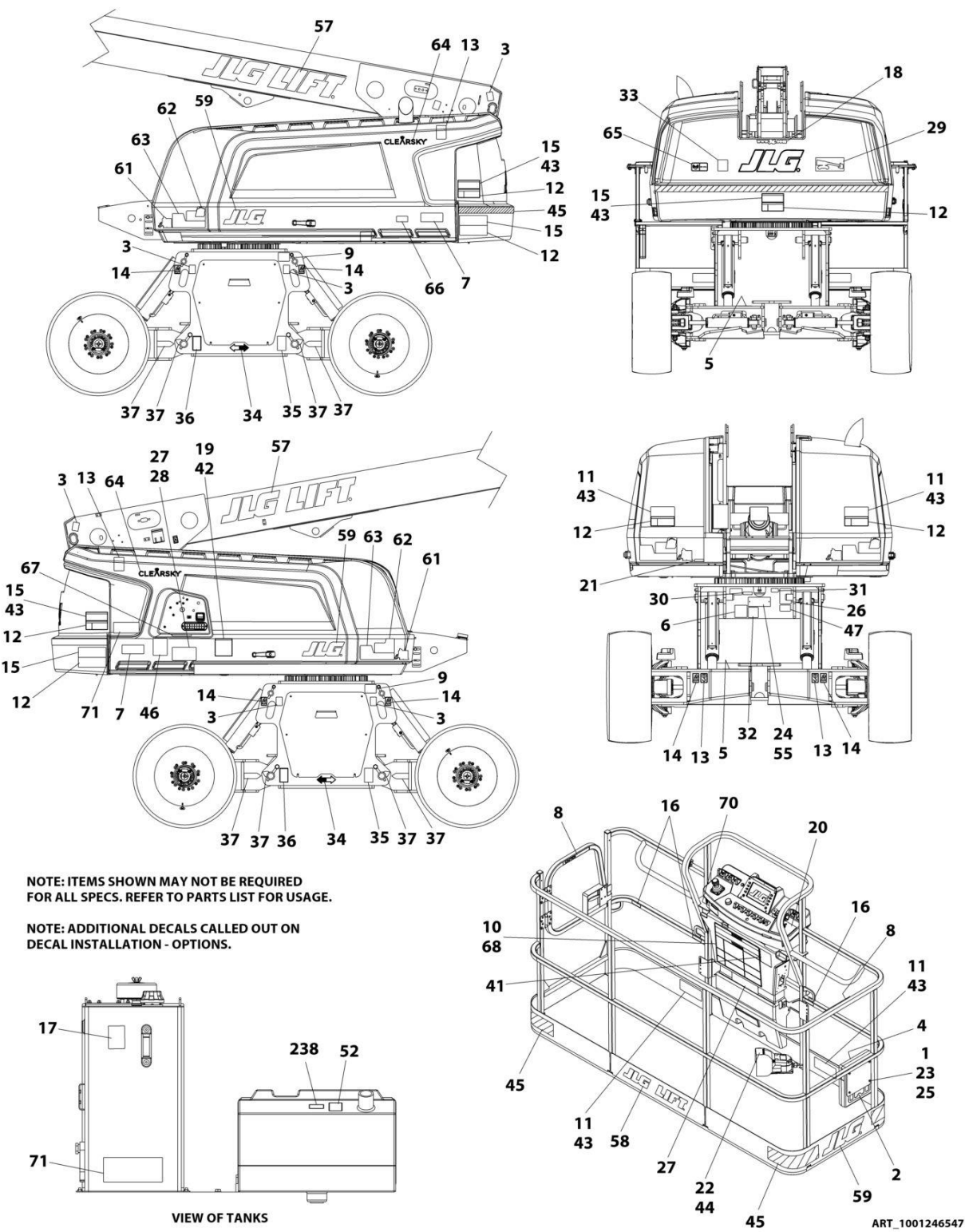
| ITEM | PART NUMBER | QTY | DESCRIPTION                    | REV |
|------|-------------|-----|--------------------------------|-----|
|      | 1001243682  | Ref | WHITE NOISE ALARM HARNESS      | A   |
| 1    | 4460891     | 1   | Plug, Male - 2 Position        |     |
| 1    | 4460465     | 2   | Socket, Female                 |     |
| 2    | 4460871     | 1   | Terminal                       |     |
| 3    | 4460539     | 1   | Plug, Male- 3 Position         |     |
| 3    | 4460465     | 3   | Socket, Female                 |     |
| 4    | 4460536     | 1   | Receptacle, Female- 3 Position |     |
| 4    | 4460464     | 3   | Pin, Male                      |     |



**SECTION 9 - DECALS**

SECTION 9 - DECALS

FIGURE 9-1. DECAL INSTALLATION (ANSI SPECS - ENGLISH LANGUAGE)



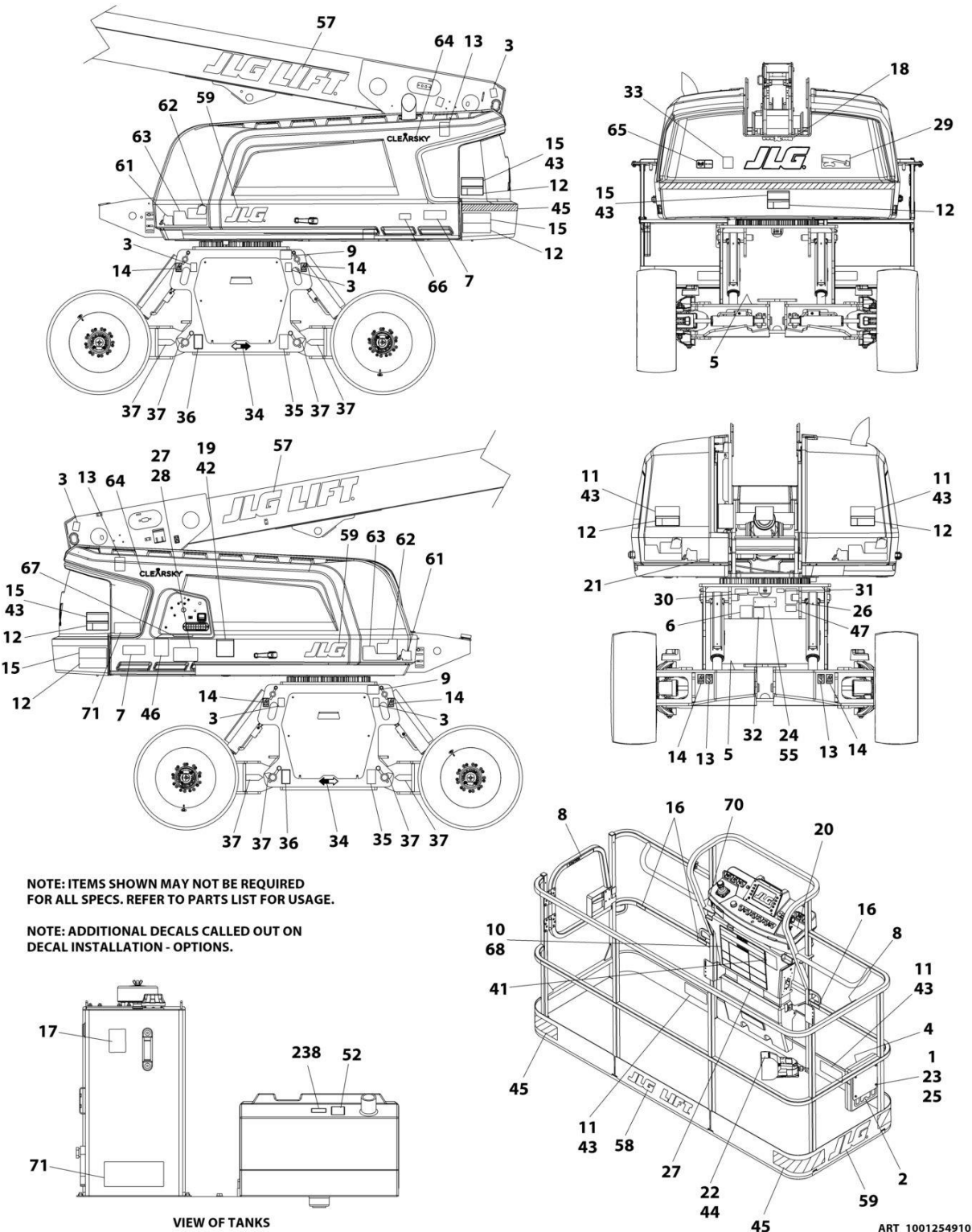
## SECTION 9 - DECALS

**FIGURE 9-1. DECAL INSTALLATION (ANSI SPECS - ENGLISH LANGUAGE)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                         | REV |
|------|-------------|-----------------|-----------------------------------------------------|-----|
|      | 1001246547  | Ref             | DECAL INSTALLATION                                  | F   |
|      | 1001246546  | Ref             | DECAL REFERENCE CHART                               | G   |
| 1    | 0700610     | 4               | Bolt M6 x 20                                        |     |
| 2    | 91403230    | 1               | Box, Manual Storage                                 |     |
| 3    | 1701499     | 6               | Decal - No Tie Down/Lift                            |     |
| 4    | 1701509     | 1               | Decal - Manual                                      |     |
| 5    | 1701529     | 2               | Decal - Arrow                                       |     |
| 6    | See Note    | NSS             | Decal - Bar Code (Note: Not Available for Purchase) |     |
| 7    | 1001271526  | 2               | Decal - 670SJ Self Leveling                         |     |
| 8    | 1702868     | 2               | Decal - No Hands                                    |     |
| 9    | 1001216060  | 2               | Decal - Maximum Tire Load                           |     |
| 10   | 1001244726  | 1               | Decal - Danger/Warning                              |     |
| 11   | 1703804     | 4               | Decal - Warning/Crushing                            |     |
| 12   | 1703805     | 5               | Decal - Electrocution                               |     |
| 13   | 1703811     | 4               | Decal - Lifting Hug                                 |     |
| 14   | 1702300     | 6               | Decal -Tie Down                                     |     |
| 15   | 1703953     | 3               | Decal - Warning/Crushing                            |     |
| 16   | 1704277     | 3               | Decal - Lanyard Attach                              |     |
| 17   | 1704412     | 1               | Decal - Hydraulic Oil                               |     |
| 18   | 1704885     | 1               | Decal - Website                                     |     |
| 19   | 1705336     | 1               | Decal - Danger/Warning                              |     |
| 20   | 1001244727  | 1               | Decal - Drive/Steer Instruction                     |     |
| 21   | 3251243     | 1               | Decal - 120V/60Hz                                   |     |
| 22   | 3252347     | 1               | Nameplate - Footswitch                              |     |
| 23   | 3290605     | 4               | Nut M6                                              |     |
| 24   | 2080057     | 2               | Fastener                                            |     |
| 25   | 4811700     | 8               | Washer M6                                           |     |
| 26   | 1001131269  | 1               | Decal - Patent                                      |     |
| 27   | 1001255220  | 1               | Decal - Warning Dual Capacity                       |     |
| 28   | 1001255221  | 1               | Decal - Warning Dual Capacity                       |     |
| 29   | 1001262643  | 1               | Decal - Lift Diagram                                |     |
| 30   | 1705514     | AR              | Decal - CSA                                         |     |
| 31   | 1001223453  | 1               | Decal - ICES (Canada)                               |     |
| 32   | 1001223055  | 1               | Decal - Yearly Inspection                           |     |
| 34   | 1703687     | 2               | Decal - Arrow                                       |     |
| 35   | 1001244728  | 2               | Decal - Foot Crushing                               |     |
| 36   | 1001244729  | 2               | Decal - Shipping Mode                               |     |
| 37   | 1001289794  | 8               | Decal - Warning Arrow                               |     |
| 45   | 4420051     | 208 in<br>/5.3m | Tape, Safety                                        |     |
| 71   | 1001258434  | 2               | Decal - Control Panel                               |     |

SECTION 9 - DECALS

FIGURE 9-2. DECAL INSTALLATION (BRAZIL SPECS - PORTUGUESE/SPANISH LANGUAGES)



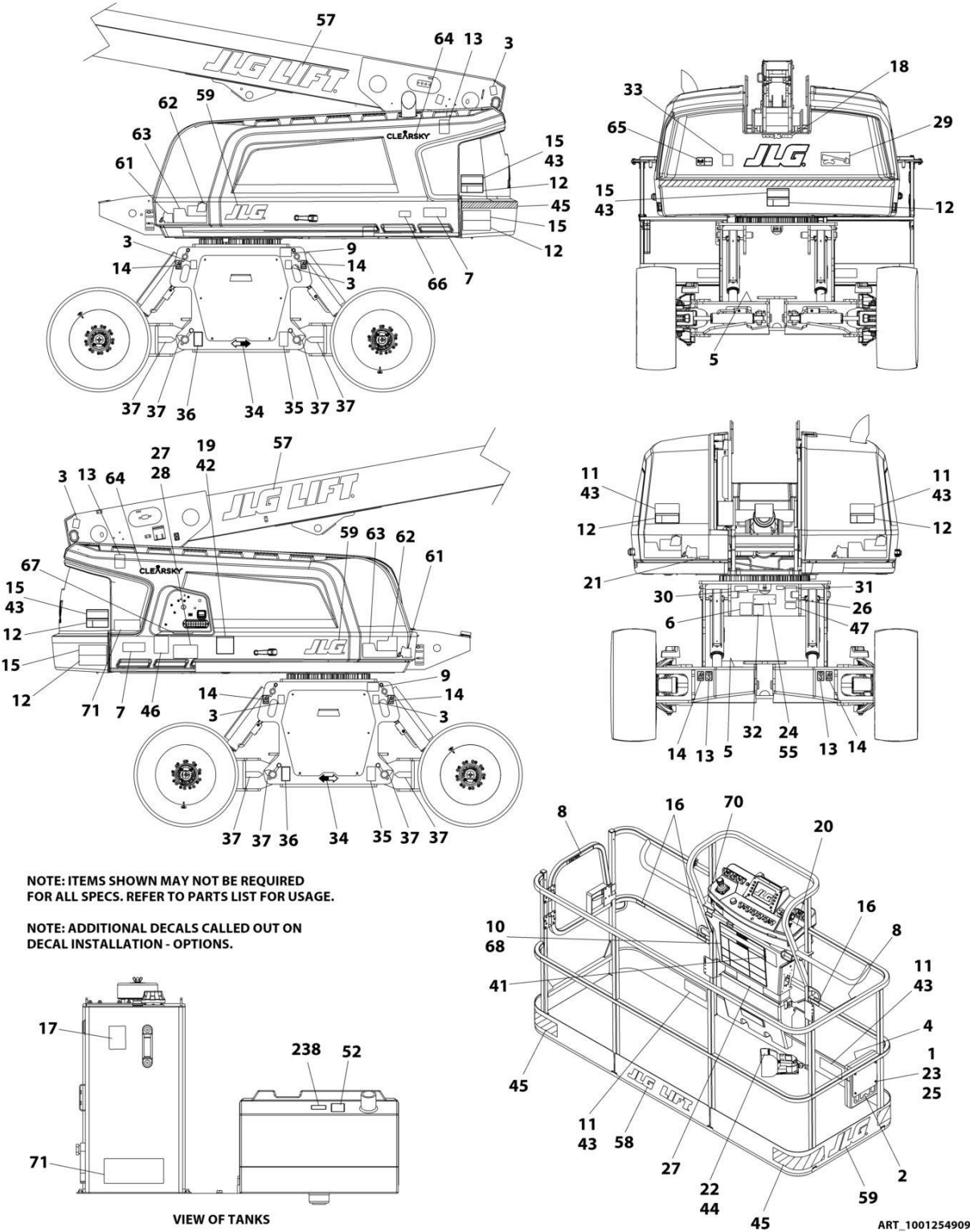
## SECTION 9 - DECALS

**FIGURE 9-2. DECAL INSTALLATION (BRAZIL SPECS - PORTUGUESE/SPANISH LANGUAGES)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                         | REV |
|------|-------------|-----------------|-----------------------------------------------------|-----|
|      | 1001254910  | Ref             | DECAL INSTALLATION                                  | B   |
|      | 1001246546  | Ref             | DECAL REFERENCE CHART                               | G   |
| 1    | 0700610     | 4               | Bolt M6 x 20                                        |     |
| 2    | 91403230    | 1               | Box, Manual Storage                                 |     |
| 3    | 1701499     | 6               | Decal - No Tie Down/Lift                            |     |
| 4    | 1701509     | 1               | Decal - Manual                                      |     |
| 5    | 1701529     | 2               | Decal - Arrow                                       |     |
| 6    | See Note    | NSS             | Decal - Bar Code (Note: Not Available for Purchase) |     |
| 7    | 1001271526  | 2               | Decal - 670SJ Self Leveling                         |     |
| 8    | 1704002     | 2               | Decal - No Hands                                    |     |
| 9    | 1001216060  | 2               | Decal - Maximum Tire Load                           |     |
| 10   | 1001270726  | 1               | Decal - Danger/Warning                              |     |
| 11   | 1703952     | 4               | Decal - Warning/Crushing                            |     |
| 12   | 1703940     | 5               | Decal - Electrocution                               |     |
| 13   | 1703811     | 4               | Decal - Lifting Hug                                 |     |
| 14   | 1702300     | 6               | Decal -Tie Down                                     |     |
| 15   | 1703946     | 3               | Decal - Warning/Crushing                            |     |
| 16   | 1704277     | 3               | Decal - Lanyard Attach                              |     |
| 17   | 1704412     | 1               | Decal - Hydraulic Oil                               |     |
| 18   | 1704885     | 1               | Decal - Website                                     |     |
| 19   | 1705349     | 1               | Decal - Danger/Warning                              |     |
| 20   | 1001270280  | 1               | Decal - Drive/Steer Instruction                     |     |
| 21   | 3251243     | 1               | Decal - 120V/60Hz                                   |     |
| 22   | 1703985     | 1               | Nameplate - Footswitch                              |     |
| 23   | 3290605     | 4               | Nut M6                                              |     |
| 24   | 2080057     | 2               | Fastener                                            |     |
| 25   | 4811700     | 8               | Washer M6                                           |     |
| 26   | 1001131269  | 1               | Decal - Patent                                      |     |
| 27   | 1001255230  | 1               | Decal - Warning Dual Capacity                       |     |
| 28   | 1001255231  | 1               | Decal - Warning Dual Capacity                       |     |
| 29   | 1001262643  | 1               | Decal - Lift Diagram                                |     |
| 32   | 1001224052  | 1               | Decal - Yearly Inspection                           |     |
| 34   | 1703687     | 2               | Decal - Arrow                                       |     |
| 35   | 1001244728  | 2               | Decal - Foot Crushing                               |     |
| 36   | 1001244729  | 2               | Decal - Shipping Mode                               |     |
| 37   | 1001289794  | 8               | Decal - Warning Arrow                               |     |
| 45   | 4420051     | 208 in<br>/5.3m | Tape, Safety                                        |     |
| 71   | 1001258434  | 2               | Decal - Control Panel                               |     |

SECTION 9 - DECALS

FIGURE 9-3. DECAL INSTALLATION (CHINA SPECS - CHINESE/ENGLISH LANGUAGES)  
(SIMPLIFIED)





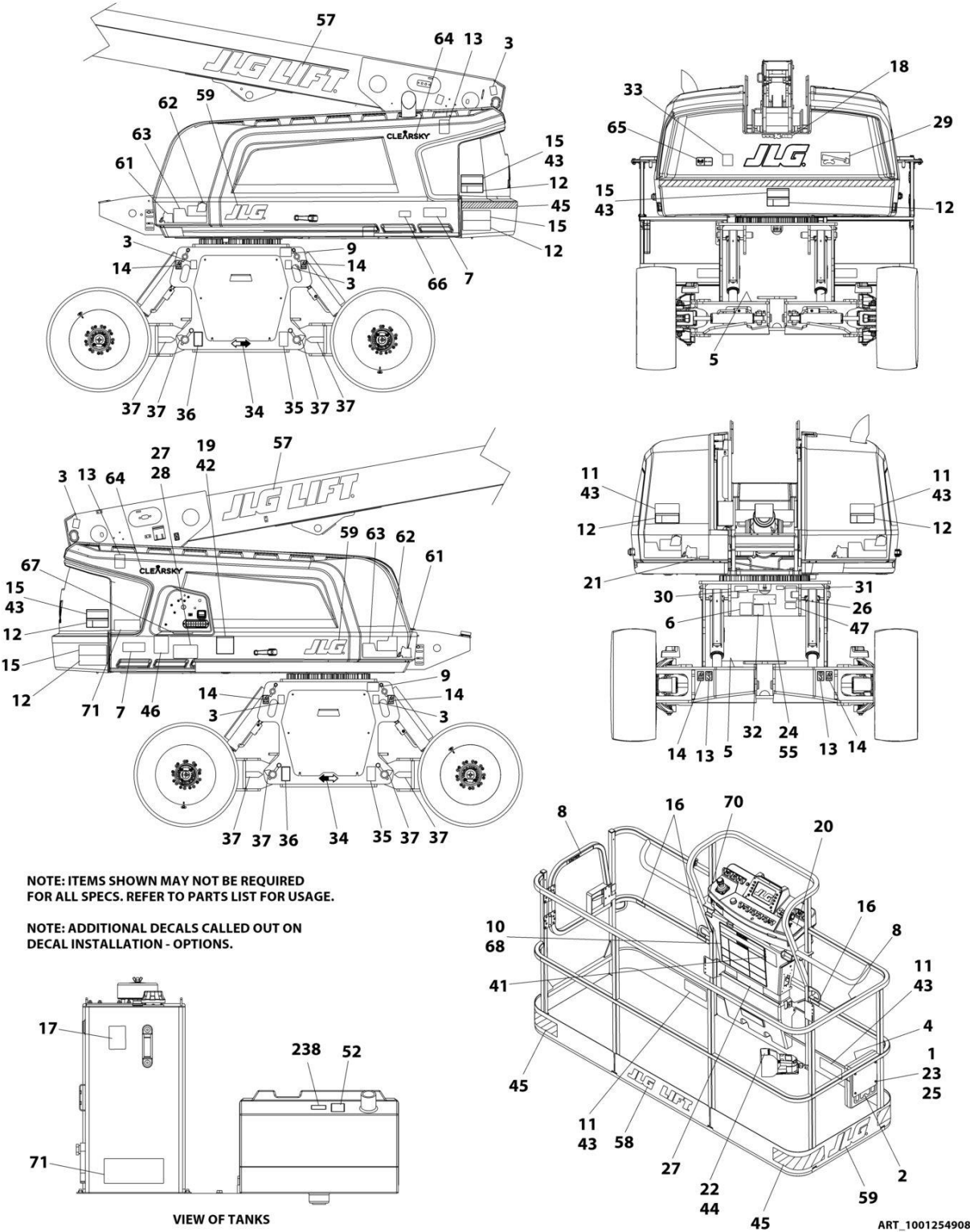
## SECTION 9 - DECALS

**FIGURE 9-3. DECAL INSTALLATION (CHINA SPECS - CHINESE/ENGLISH LANGUAGES)  
(SIMPLIFIED)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                         | REV |
|------|-------------|-----------------|-----------------------------------------------------|-----|
|      | 1001254909  | Ref             | DECAL INSTALLATION                                  | B   |
|      | 1001246546  | Ref             | DECAL REFERENCE CHART                               | G   |
| 1    | 0700610     | 4               | Bolt M6 x 20                                        |     |
| 2    | 91403230    | 1               | Box, Manual Storage                                 |     |
| 3    | 1701499     | 6               | Decal - No Tie Down/Lift                            |     |
| 4    | 1701509     | 1               | Decal - Manual                                      |     |
| 5    | 1701529     | 2               | Decal - Arrow                                       |     |
| 6    | See Note    | NSS             | Decal - Bar Code (Note: Not Available for Purchase) |     |
| 7    | 1001271526  | 2               | Decal - 670SJ Self Leveling                         |     |
| 8    | 1705968     | 2               | Decal - No Hands                                    |     |
| 9    | 1001216060  | 2               | Decal - Maximum Tire Load                           |     |
| 10   | 1001270725  | 1               | Decal - Danger/Warning                              |     |
| 11   | 1001116850  | 4               | Decal - Warning/Crushing                            |     |
| 12   | 1703937     | 5               | Decal - Electrocution                               |     |
| 13   | 1703811     | 4               | Decal - Lifting Hug                                 |     |
| 14   | 1702300     | 6               | Decal -Tie Down                                     |     |
| 15   | 1001116845  | 3               | Decal - Warning/Crushing                            |     |
| 16   | 1704277     | 3               | Decal - Lanyard Attach                              |     |
| 17   | 1704412     | 1               | Decal - Hydraulic Oil                               |     |
| 18   | 1704885     | 1               | Decal - Website                                     |     |
| 19   | 1001116848  | 1               | Decal - Danger/Warning                              |     |
| 20   | 1001270279  | 1               | Decal - Drive/Steer Instruction                     |     |
| 21   | 3251243     | 1               | Decal - 120V/60Hz                                   |     |
| 22   | 1001116852  | 1               | Nameplate - Footswitch                              |     |
| 23   | 3290605     | 4               | Nut M6                                              |     |
| 24   | 2080057     | 2               | Fastener                                            |     |
| 25   | 4811700     | 8               | Washer M6                                           |     |
| 26   | 1001131269  | 1               | Decal - Patent                                      |     |
| 27   | 1001255228  | 1               | Decal - Warning Dual Capacity                       |     |
| 28   | 1001255229  | 1               | Decal - Warning Dual Capacity                       |     |
| 29   | 1001262643  | 1               | Decal - Lift Diagram                                |     |
| 32   | 1001224051  | 1               | Decal - Yearly Inspection                           |     |
| 34   | 1703687     | 2               | Decal - Arrow                                       |     |
| 35   | 1001244728  | 2               | Decal - Foot Crushing                               |     |
| 36   | 1001244729  | 2               | Decal - Shipping Mode                               |     |
| 37   | 1001289794  | 8               | Decal - Warning Arrow                               |     |
| 45   | 4420051     | 208 in<br>/5.3m | Tape, Safety                                        |     |
| 71   | 1001258434  | 2               | Decal - Control Panel                               |     |

SECTION 9 - DECALS

FIGURE 9-4. DECAL INSTALLATION (CHINA SPECS - CHINESE/ENGLISH LANGUAGES)  
(TRADITIONAL)



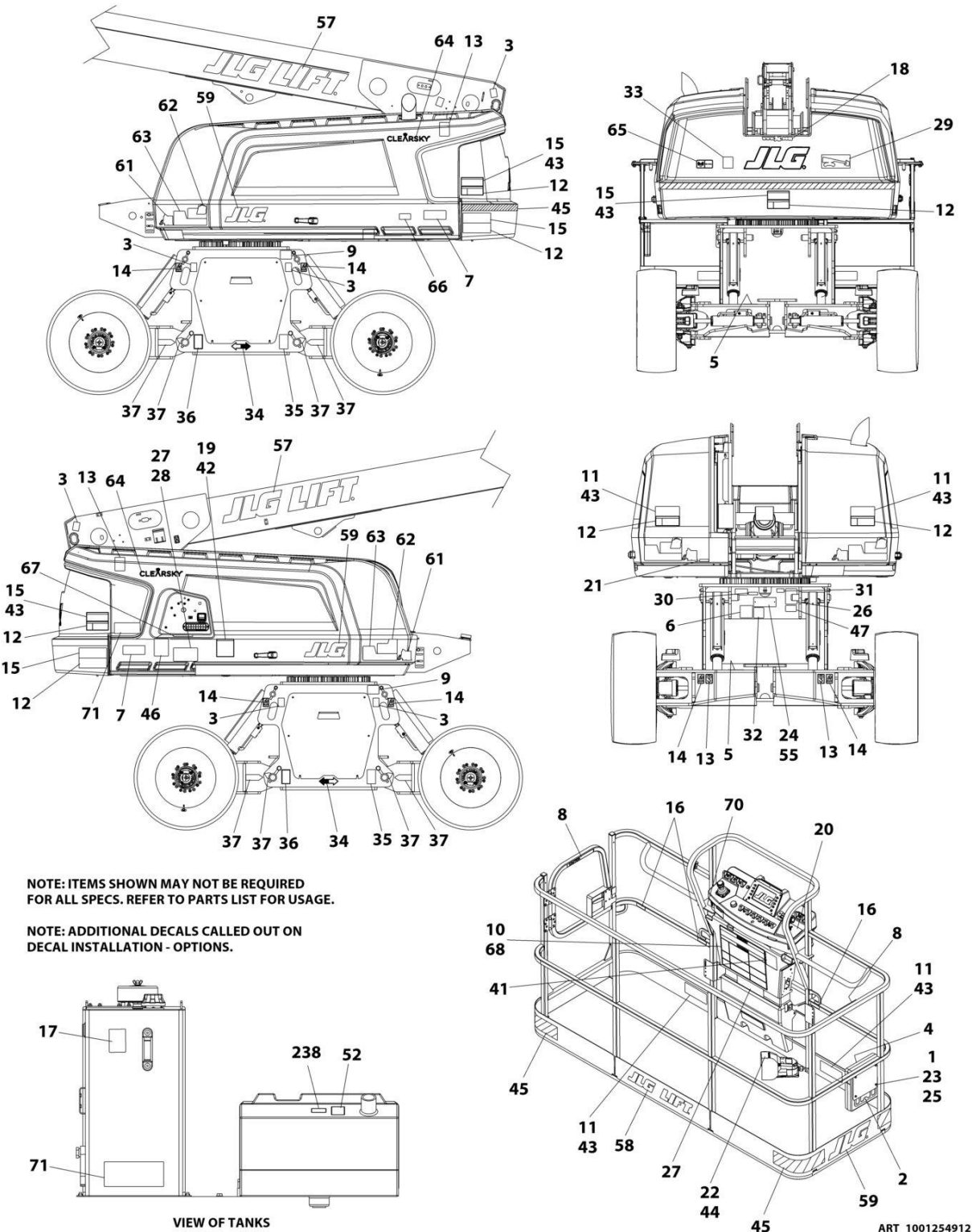
## SECTION 9 - DECALS

**FIGURE 9-4. DECAL INSTALLATION (CHINA SPECS - CHINESE/ENGLISH LANGUAGES)  
(TRADITIONAL)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                         | REV |
|------|-------------|-----------------|-----------------------------------------------------|-----|
|      | 1001254908  | Ref             | DECAL INSTALLATION                                  | B   |
|      | 1001246546  | Ref             | DECAL REFERENCE CHART                               | G   |
| 1    | 0700610     | 4               | Bolt M6 x 20                                        |     |
| 2    | 91403230    | 1               | Box, Manual Storage                                 |     |
| 3    | 1701499     | 6               | Decal - No Tie Down/Lift                            |     |
| 4    | 1701509     | 1               | Decal - Manual                                      |     |
| 5    | 1701529     | 2               | Decal - Arrow                                       |     |
| 6    | See Note    | NSS             | Decal - Bar Code (Note: Not Available for Purchase) |     |
| 7    | 1001271526  | 2               | Decal - 670SJ Self Leveling                         |     |
| 8    | 1001116846  | 2               | Decal - No Hands                                    |     |
| 9    | 1001216060  | 2               | Decal - Maximum Tire Load                           |     |
| 10   | 1001270724  | 1               | Decal - Danger/Warning                              |     |
| 11   | 1703949     | 4               | Decal - Warning/Crushing                            |     |
| 12   | 1001116851  | 5               | Decal - Electrocution                               |     |
| 13   | 1703811     | 4               | Decal - Lifting Hug                                 |     |
| 14   | 1702300     | 6               | Decal -Tie Down                                     |     |
| 15   | 1703943     | 3               | Decal - Warning/Crushing                            |     |
| 16   | 1704277     | 3               | Decal - Lanyard Attach                              |     |
| 17   | 1704412     | 1               | Decal - Hydraulic Oil                               |     |
| 18   | 1704885     | 1               | Decal - Website                                     |     |
| 19   | 1001116849  | 1               | Decal - Danger/Warning                              |     |
| 20   | 1001270278  | 1               | Decal - Drive/Steer Instruction                     |     |
| 21   | 3251243     | 1               | Decal - 120V/60Hz                                   |     |
| 22   | 1703982     | 1               | Nameplate - Footswitch                              |     |
| 23   | 3290605     | 4               | Nut M6                                              |     |
| 24   | 2080057     | 2               | Fastener                                            |     |
| 25   | 4811700     | 8               | Washer M6                                           |     |
| 26   | 1001131269  | 1               | Decal - Patent                                      |     |
| 27   | 1001255226  | 1               | Decal - Warning Dual Capacity                       |     |
| 28   | 1001255227  | 1               | Decal - Warning Dual Capacity                       |     |
| 29   | 1001262643  | 1               | Decal - Lift Diagram                                |     |
| 32   | 1001224050  | 1               | Decal - Yearly Inspection                           |     |
| 34   | 1703687     | 2               | Decal - Arrow                                       |     |
| 35   | 1001244728  | 2               | Decal - Foot Crushing                               |     |
| 36   | 1001244729  | 2               | Decal - Shipping Mode                               |     |
| 37   | 1001289794  | 8               | Decal - Warning Arrow                               |     |
| 45   | 4420051     | 208 in<br>/5.3m | Tape, Safety                                        |     |
| 71   | 1001258434  | 2               | Decal - Control Panel                               |     |

SECTION 9 - DECALS

FIGURE 9-5. DECAL INSTALLATION (CSA SPECS - FRENCH/ENGLISH LANGUAGES)



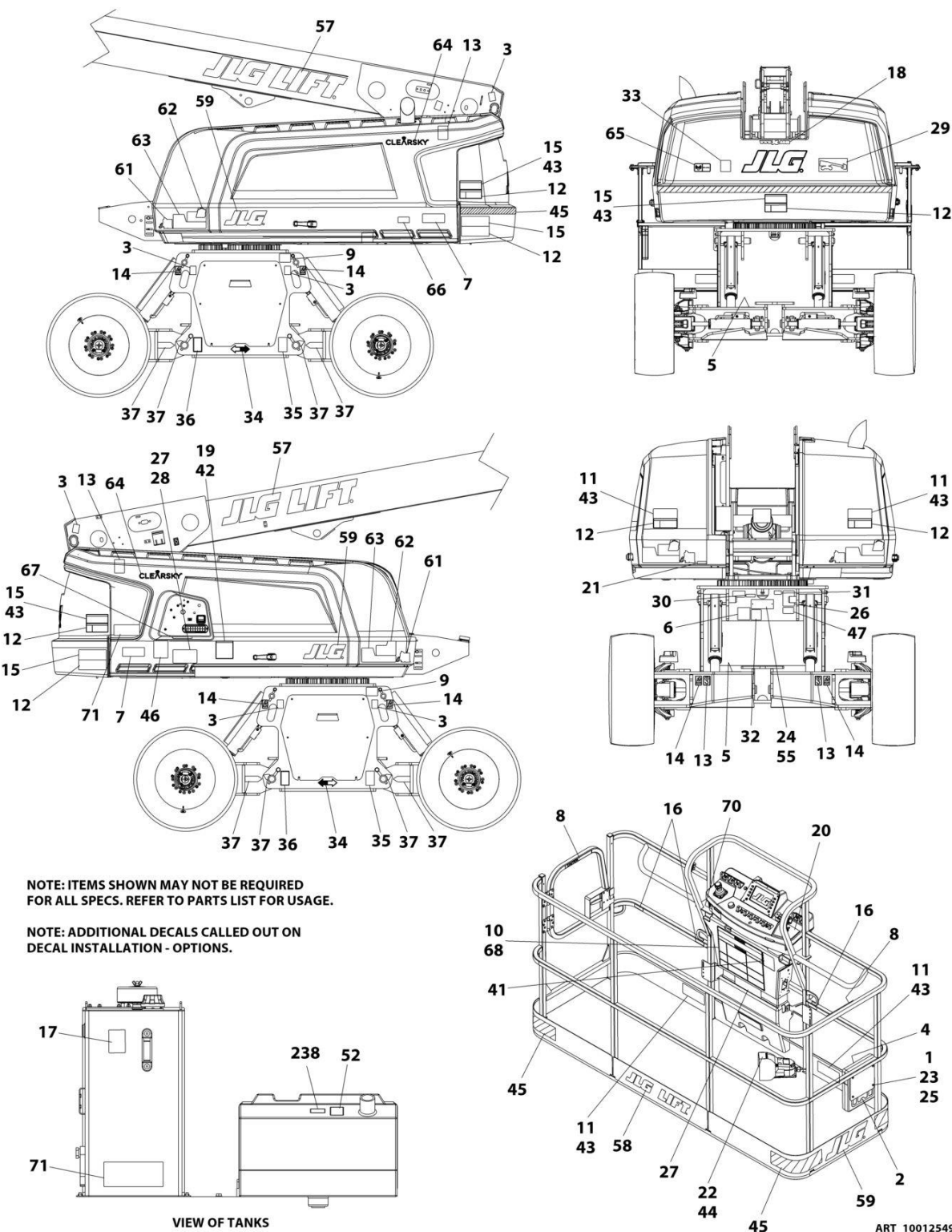
## SECTION 9 - DECALS

**FIGURE 9-5. DECAL INSTALLATION (CSA SPECS - FRENCH/ENGLISH LANGUAGES)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                         | REV |
|------|-------------|-----------------|-----------------------------------------------------|-----|
|      | 1001254912  | Ref             | DECAL INSTALLATION                                  | C   |
|      | 1001246546  | Ref             | DECAL REFERENCE CHART                               | G   |
| 1    | 0700610     | 4               | Bolt M6 x 20                                        |     |
| 2    | 91403230    | 1               | Box, Manual Storage                                 |     |
| 3    | 1701499     | 6               | Decal - No Tie Down/Lift                            |     |
| 4    | 1701509     | 1               | Decal - Manual                                      |     |
| 5    | 1701529     | 2               | Decal - Arrow                                       |     |
| 6    | See Note    | NSS             | Decal - Bar Code (Note: Not Available for Purchase) |     |
| 7    | 1001271526  | 2               | Decal - 670SJ Self Leveling                         |     |
| 8    | 1704000     | 2               | Decal - No Hands                                    |     |
| 9    | 1001216060  | 2               | Decal - Maximum Tire Load                           |     |
| 10   | 1001270728  | 1               | Decal - Danger/Warning                              |     |
| 11   | 1703948     | 4               | Decal - Warning/Crushing                            |     |
| 12   | 1703936     | 5               | Decal - Electrocution                               |     |
| 13   | 1703811     | 4               | Decal - Lifting Hug                                 |     |
| 14   | 1702300     | 6               | Decal -Tie Down                                     |     |
| 15   | 1703942     | 3               | Decal - Warning/Crushing                            |     |
| 16   | 1704277     | 3               | Decal - Lanyard Attach                              |     |
| 17   | 1704412     | 1               | Decal - Hydraulic Oil                               |     |
| 18   | 1704885     | 1               | Decal - Website                                     |     |
| 19   | 1705347     | 1               | Decal - Danger/Warning                              |     |
| 20   | 1001270282  | 1               | Decal - Drive/Steer Instruction                     |     |
| 21   | 3251243     | 1               | Decal - 120V/60Hz                                   |     |
| 22   | 1703984     | 1               | Nameplate - Footswitch                              |     |
| 23   | 3290605     | 4               | Nut M6                                              |     |
| 24   | 2080057     | 2               | Fastener                                            |     |
| 25   | 4811700     | 8               | Washer M6                                           |     |
| 26   | 1001131269  | 1               | Decal - Patent                                      |     |
| 27   | 1001255222  | 1               | Decal - Warning Dual Capacity                       |     |
| 28   | 1001255223  | 1               | Decal - Warning Dual Capacity                       |     |
| 29   | 1001262643  | 1               | Decal - Lift Diagram                                |     |
| 30   | 1705514     | AR              | Decal - CSA                                         |     |
| 31   | 1001223453  | 1               | Decal - ICES (Canada)                               |     |
| 32   | 1001223971  | 1               | Decal - Yearly Inspection                           |     |
| 34   | 1703687     | 2               | Decal - Arrow                                       |     |
| 35   | 1001244728  | 2               | Decal - Foot Crushing                               |     |
| 36   | 1001244729  | 2               | Decal - Shipping Mode                               |     |
| 37   | 1001289794  | 8               | Decal - Warning Arrow                               |     |
| 45   | 4420051     | 208 in<br>/5.3m | Tape, Safety                                        |     |
| 71   | 1001258434  | 2               | Decal - Control Panel                               |     |

SECTION 9 - DECALS

FIGURE 9-6. DECAL INSTALLATION (JAPANESE SPECS - JAPANESE/ENGLISH LANGUAGES)



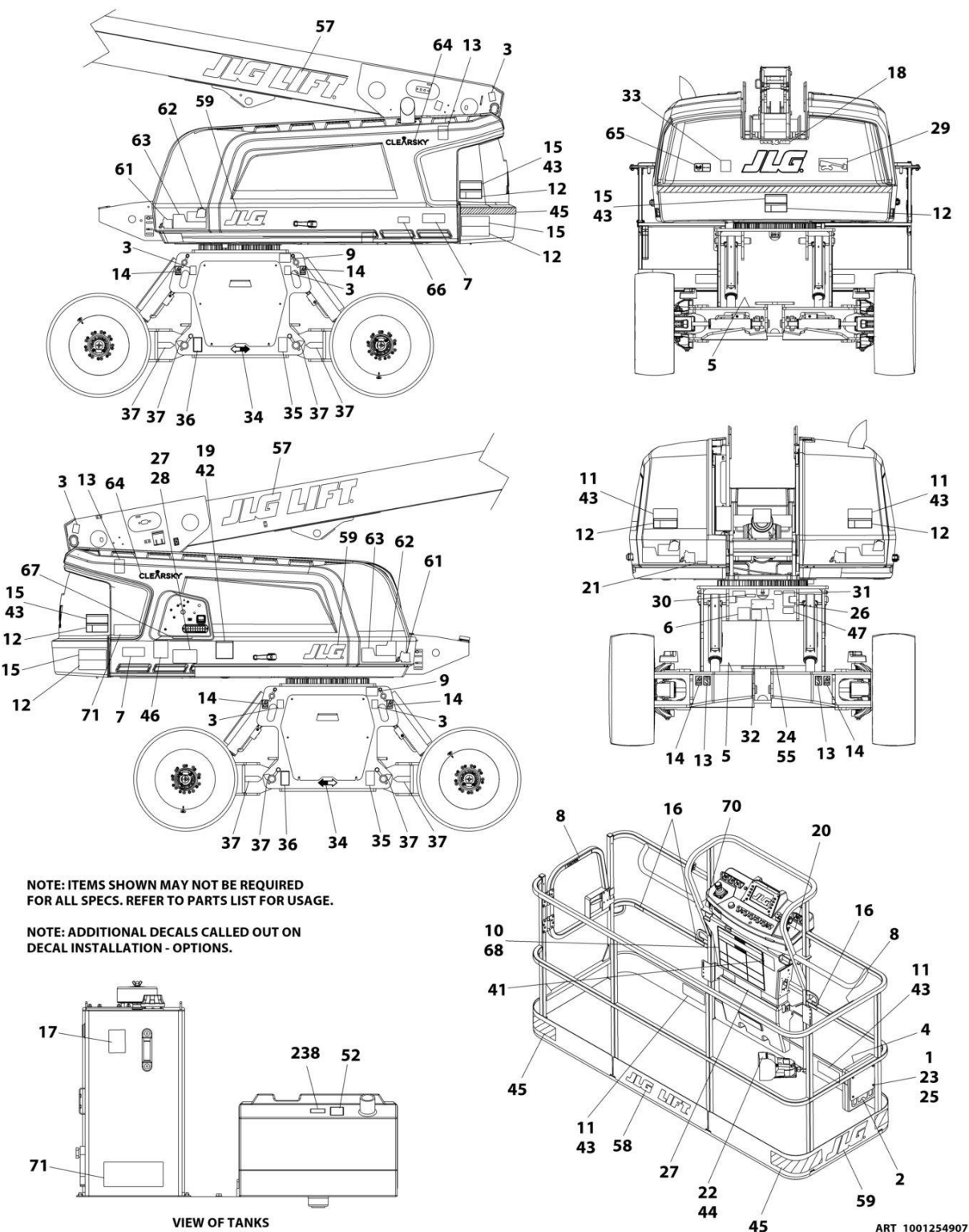
## SECTION 9 - DECALS

**FIGURE 9-6. DECAL INSTALLATION (JAPANESE SPECS - JAPANESE/ENGLISH LANGUAGES)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                         | REV |
|------|-------------|-----------------|-----------------------------------------------------|-----|
|      | 1001254913  | Ref             | DECAL INSTALLATION                                  | B   |
|      | 1001246546  | Ref             | DECAL REFERENCE CHART                               | G   |
| 1    | 0700610     | 4               | Bolt M6 x 20                                        |     |
| 2    | 91403230    | 1               | Box, Manual Storage                                 |     |
| 3    | 1701499     | 6               | Decal - No Tie Down/Lift                            |     |
| 4    | 1701509     | 1               | Decal - Manual                                      |     |
| 5    | 1701529     | 2               | Decal - Arrow                                       |     |
| 6    | See Note    | NSS             | Decal - Bar Code (Note: Not Available for Purchase) |     |
| 7    | 1001271526  | 2               | Decal - 670SJ Self Leveling                         |     |
| 9    | 1001216060  | 2               | Decal - Maximum Tire Load                           |     |
| 10   | 1001270729  | 1               | Decal - Danger/Warning                              |     |
| 11   | 1703950     | 4               | Decal - Warning/Crushing                            |     |
| 12   | 1703938     | 5               | Decal - Electrocution                               |     |
| 13   | 1703811     | 4               | Decal - Lifting Hug                                 |     |
| 14   | 1702300     | 6               | Decal -Tie Down                                     |     |
| 15   | 1703944     | 3               | Decal - Warning/Crushing                            |     |
| 16   | 1704277     | 3               | Decal - Lanyard Attach                              |     |
| 17   | 1704412     | 1               | Decal - Hydraulic Oil                               |     |
| 18   | 1704885     | 1               | Decal - Website                                     |     |
| 19   | 1705344     | 1               | Decal - Danger/Warning                              |     |
| 20   | 1001270283  | 1               | Decal - Drive/Steer Instruction                     |     |
| 21   | 3251243     | 1               | Decal - 120V/60Hz                                   |     |
| 22   | 1703980     | 1               | Nameplate - Footswitch                              |     |
| 23   | 3290605     | 4               | Nut M6                                              |     |
| 24   | 2080057     | 2               | Fastener                                            |     |
| 25   | 4811700     | 8               | Washer M6                                           |     |
| 26   | 1001131269  | 1               | Decal - Patent                                      |     |
| 27   | 1001255234  | 1               | Decal - Warning Dual Capacity                       |     |
| 28   | 1001255235  | 1               | Decal - Warning Dual Capacity                       |     |
| 29   | 1001262643  | 1               | Decal - Lift Diagram                                |     |
| 32   | 1001224053  | 1               | Decal - Yearly Inspection                           |     |
| 34   | 1703687     | 2               | Decal - Arrow                                       |     |
| 35   | 1001244728  | 2               | Decal - Foot Crushing                               |     |
| 36   | 1001244729  | 2               | Decal - Shipping Mode                               |     |
| 37   | 1001289794  | 8               | Decal - Warning Arrow                               |     |
| 45   | 4420051     | 208 in<br>/5.3m | Tape, Safety                                        |     |
| 71   | 1001258434  | 2               | Decal - Control Panel                               |     |

SECTION 9 - DECALS

FIGURE 9-7. DECAL INSTALLATION (KOREAN SPECS - KOREAN/ENGLISH LANGUAGES)





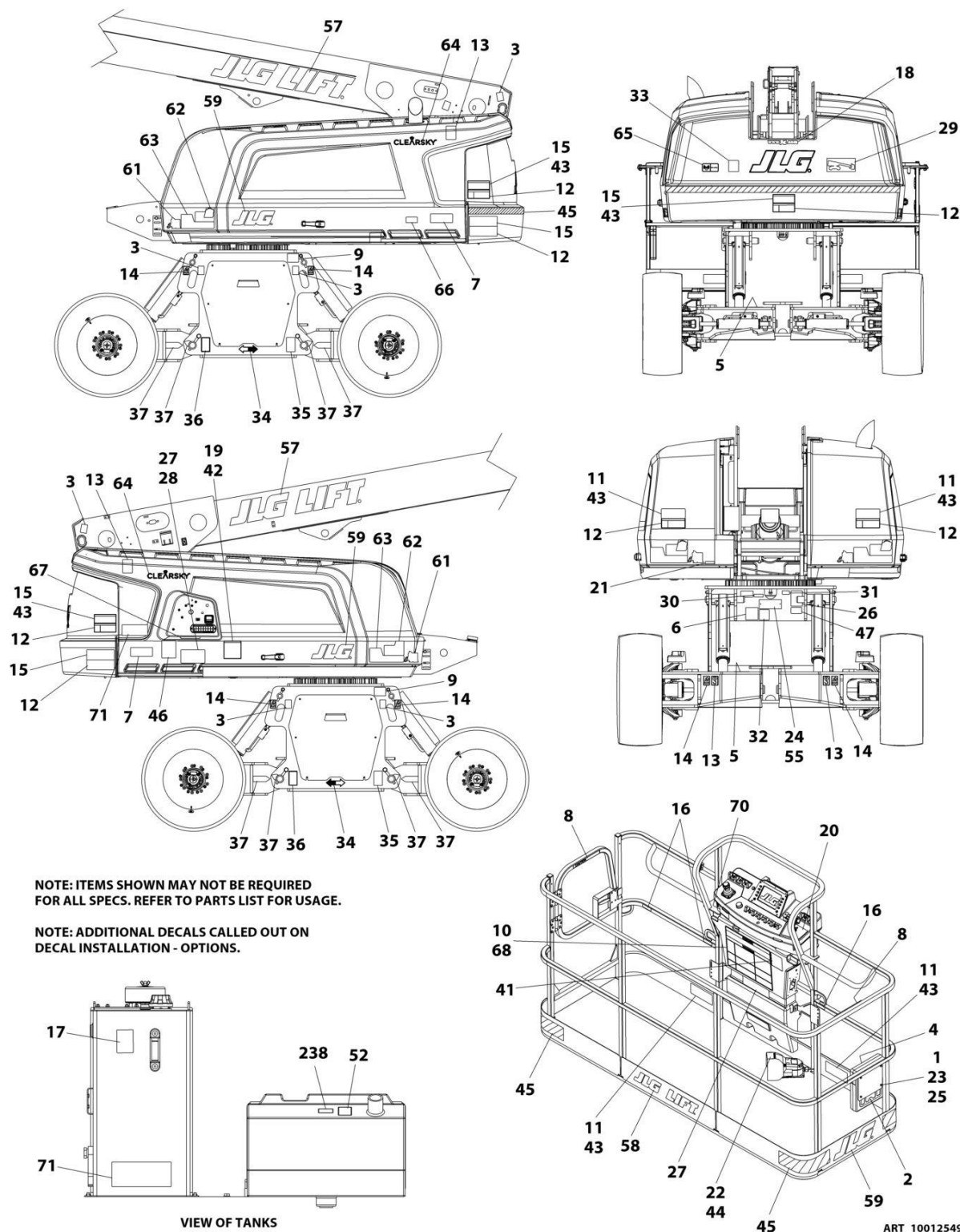
## SECTION 9 - DECALS

**FIGURE 9-7. DECAL INSTALLATION (KOREAN SPECS - KOREAN/ENGLISH LANGUAGES)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                         | REV |
|------|-------------|-----------------|-----------------------------------------------------|-----|
|      | 1001254907  | Ref             | DECAL INSTALLATION                                  | B   |
|      | 1001246546  | Ref             | DECAL REFERENCE CHART                               | G   |
| 1    | 0700610     | 4               | Bolt M6 x 20                                        |     |
| 2    | 91403230    | 1               | Box, Manual Storage                                 |     |
| 3    | 1701499     | 6               | Decal - No Tie Down/Lift                            |     |
| 4    | 1701509     | 1               | Decal - Manual                                      |     |
| 5    | 1701529     | 2               | Decal - Arrow                                       |     |
| 6    | See Note    | NSS             | Decal - Bar Code (Note: Not Available for Purchase) |     |
| 7    | 1001271526  | 2               | Decal - 670SJ Self Leveling                         |     |
| 8    | 1705969     | 2               | Decal - No Hands                                    |     |
| 9    | 1001216060  | 2               | Decal - Maximum Tire Load                           |     |
| 10   | 1001270723  | 1               | Decal - Danger/Warning                              |     |
| 11   | 1703951     | 4               | Decal - Warning/Crushing                            |     |
| 12   | 1703939     | 5               | Decal - Electrocution                               |     |
| 13   | 1703811     | 4               | Decal - Lifting Hug                                 |     |
| 14   | 1702300     | 6               | Decal -Tie Down                                     |     |
| 15   | 1703945     | 3               | Decal - Warning/Crushing                            |     |
| 16   | 1704277     | 3               | Decal - Lanyard Attach                              |     |
| 17   | 1704412     | 1               | Decal - Hydraulic Oil                               |     |
| 18   | 1704885     | 1               | Decal - Website                                     |     |
| 19   | 1705345     | 1               | Decal - Danger/Warning                              |     |
| 20   | 1001270277  | 1               | Decal - Drive/Steer Instruction                     |     |
| 22   | 1703981     | 1               | Nameplate - Footswitch                              |     |
| 23   | 3290605     | 4               | Nut M6                                              |     |
| 24   | 2080057     | 2               | Fastener                                            |     |
| 25   | 4811700     | 8               | Washer M6                                           |     |
| 26   | 1001131269  | 1               | Decal - Patent                                      |     |
| 27   | 1001255224  | 1               | Decal - Warning Dual Capacity                       |     |
| 28   | 1001255225  | 1               | Decal - Warning Dual Capacity                       |     |
| 29   | 1001262643  | 1               | Decal - Lift Diagram                                |     |
| 32   | 1001224048  | 1               | Decal - Yearly Inspection                           |     |
| 34   | 1703687     | 2               | Decal - Arrow                                       |     |
| 35   | 1001244728  | 2               | Decal - Foot Crushing                               |     |
| 36   | 1001244729  | 2               | Decal - Shipping Mode                               |     |
| 37   | 1001289794  | 8               | Decal - Warning Arrow                               |     |
| 45   | 4420051     | 208 in<br>/5.3m | Tape, Safety                                        |     |
| 71   | 1001258434  | 2               | Decal - Control Panel                               |     |

SECTION 9 - DECALS

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



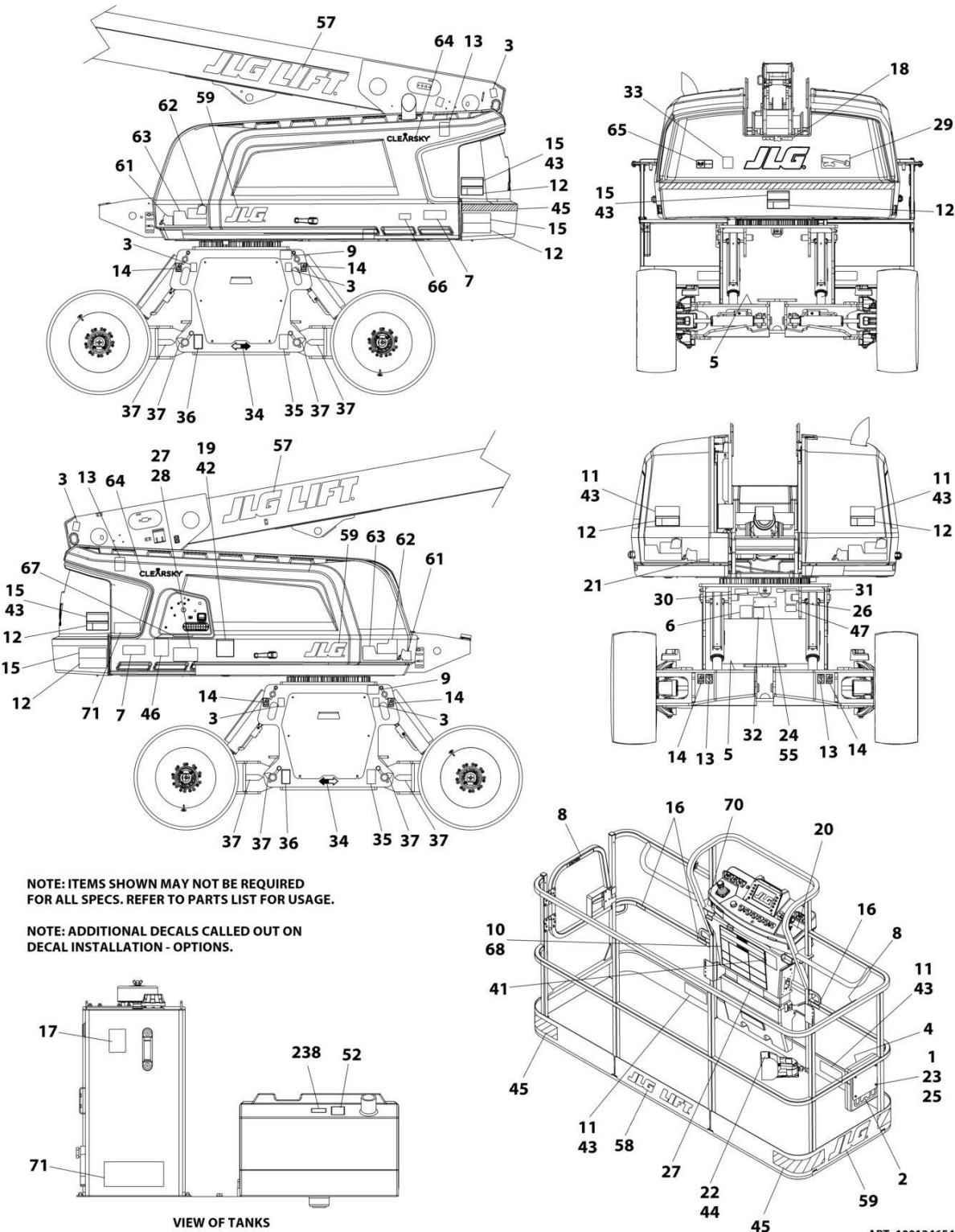
## SECTION 9 - DECALS

**FIGURE 9-8. DECAL INSTALLATION (LATIN AMERICAN SPECS - SPANISH/ENGLISH LANGUAGES)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                         | REV |
|------|-------------|-----------------|-----------------------------------------------------|-----|
|      | 1001254911  | Ref             | DECAL INSTALLATION                                  | B   |
|      | 1001246546  | Ref             | DECAL REFERENCE CHART                               | G   |
| 1    | 0700610     | 4               | Bolt M6 x 20                                        |     |
| 2    | 91403230    | 1               | Box, Manual Storage                                 |     |
| 3    | 1701499     | 6               | Decal - No Tie Down/Lift                            |     |
| 4    | 1701509     | 1               | Decal - Manual                                      |     |
| 5    | 1701529     | 2               | Decal - Arrow                                       |     |
| 6    | See Note    | NSS             | Decal - Bar Code (Note: Not Available for Purchase) |     |
| 7    | 1001271526  | 2               | Decal - 670SJ Self Leveling                         |     |
| 8    | 1704001     | 2               | Decal - No Hands                                    |     |
| 9    | 1001216060  | 2               | Decal - Maximum Tire Load                           |     |
| 10   | 1001270727  | 1               | Decal - Danger/Warning                              |     |
| 11   | 1703947     | 4               | Decal - Warning/Crushing                            |     |
| 12   | 1703935     | 5               | Decal - Electrocution                               |     |
| 13   | 1703811     | 4               | Decal - Lifting Hug                                 |     |
| 14   | 1702300     | 6               | Decal -Tie Down                                     |     |
| 15   | 1703941     | 3               | Decal - Warning/Crushing                            |     |
| 16   | 1704277     | 3               | Decal - Lanyard Attach                              |     |
| 17   | 1704412     | 1               | Decal - Hydraulic Oil                               |     |
| 18   | 1704885     | 1               | Decal - Website                                     |     |
| 19   | 1705917     | 1               | Decal - Danger/Warning                              |     |
| 20   | 1001270281  | 1               | Decal - Drive/Steer Instruction                     |     |
| 21   | 3251243     | 1               | Decal - 120V/60Hz                                   |     |
| 22   | 1703983     | 1               | Nameplate - Footswitch                              |     |
| 23   | 3290605     | 4               | Nut M6                                              |     |
| 24   | 2080057     | 2               | Fastener                                            |     |
| 25   | 4811700     | 8               | Washer M6                                           |     |
| 26   | 1001131269  | 1               | Decal - Patent                                      |     |
| 27   | 1001255232  | 1               | Decal - Warning Dual Capacity                       |     |
| 28   | 1001255233  | 1               | Decal - Warning Dual Capacity                       |     |
| 29   | 1001262643  | 1               | Decal - Lift Diagram                                |     |
| 32   | 1001224049  | 1               | Decal - Yearly Inspection                           |     |
| 34   | 1703687     | 2               | Decal - Arrow                                       |     |
| 35   | 1001244728  | 2               | Decal - Foot Crushing                               |     |
| 36   | 1001244729  | 2               | Decal - Shipping Mode                               |     |
| 37   | 1001289794  | 8               | Decal - Warning Arrow                               |     |
| 45   | 4420051     | 208 in<br>/5.3m | Tape, Safety                                        |     |
| 71   | 1001258434  | 2               | Decal - Control Panel                               |     |

SECTION 9 - DECALS

FIGURE 9-9. DECAL INSTALLATION (AUSTRALIAN SPECS - ENGLISH LANGUAGE)



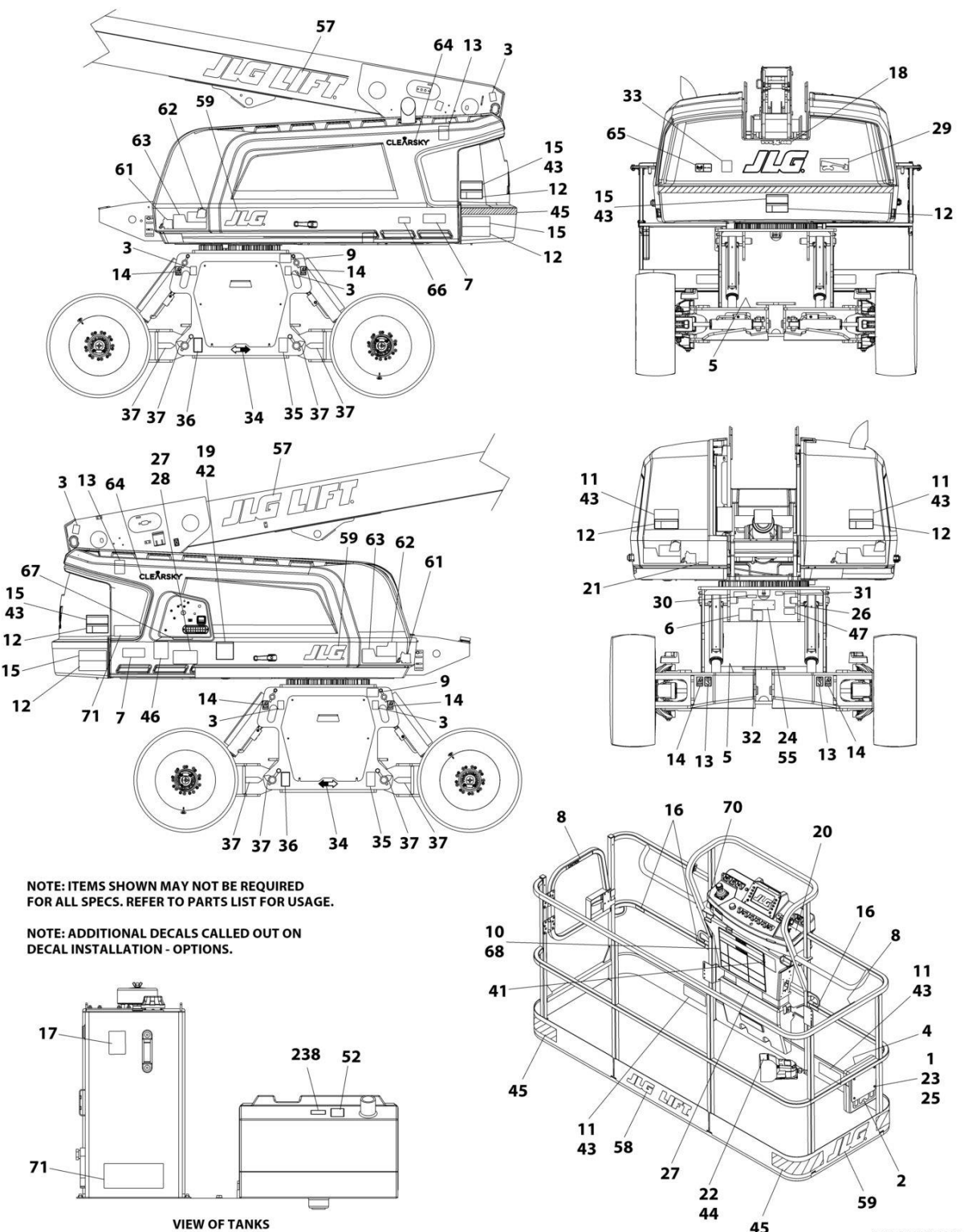
## SECTION 9 - DECALS

**FIGURE 9-9. DECAL INSTALLATION (AUSTRALIAN SPECS - ENGLISH LANGUAGE)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                         | REV |
|------|-------------|-----------------|-----------------------------------------------------|-----|
|      | 1001246549  | Ref             | DECAL INSTALLATION                                  | E   |
|      | 1001246546  | Ref             | DECAL REFERENCE CHART                               | G   |
| 1    | 0700610     | 4               | Bolt M6 x 20                                        |     |
| 2    | 91403230    | 1               | Box, Manual Storage                                 |     |
| 3    | 1701499     | 6               | Decal - No Tie Down/Lift                            |     |
| 4    | 1701509     | 1               | Decal - Manual                                      |     |
| 5    | 1701529     | 2               | Decal - Arrow                                       |     |
| 6    | See Note    | NSS             | Decal - Bar Code (Note: Not Available for Purchase) |     |
| 7    | 1001271526  | 2               | Decal - 670SJ Self Leveling                         |     |
| 9    | 1001216060  | 2               | Decal - Maximum Tire Load                           |     |
| 12   | 1705961     | 1               | Decal - Electrocution                               |     |
| 13   | 1703811     | 4               | Decal - Lifting Lug                                 |     |
| 14   | 1702300     | 6               | Decal - Tie Down                                    |     |
| 16   | 1704277     | 3               | Decal - Lanyard Attach                              |     |
| 17   | 1704412     | 1               | Decal - Hydraulic Oil                               |     |
| 18   | 1704885     | 1               | Decal - Website                                     |     |
| 23   | 3290605     | 4               | Nut M6                                              |     |
| 24   | 2080057     | 2               | Fastener                                            |     |
| 25   | 4811700     | 8               | Washer M6                                           |     |
| 27   | 1001194236  | 2               | Decal - Capacity                                    |     |
| 29   | 1001262643  | 1               | Decal - Lift Diagram                                |     |
| 34   | 1703687     | 2               | Decal - Arrow                                       |     |
| 35   | 1001244728  | 2               | Decal - Foot Crushing                               |     |
| 36   | 1001244729  | 2               | Decal - Shipping Mode                               |     |
| 37   | 1001289794  | 8               | Decal - Warning Arrow                               |     |
| 41   | 1001244796  | 1               | Decal - Tipping/Electrocution                       |     |
| 42   | 1705822     | 1               | Decal - Electrocution/Safety Manual                 |     |
| 43   | 1701518     | 7               | Decal - Crushing                                    |     |
| 44   | 1705828     | 1               | Nameplate - Footswitch                              |     |
| 45   | 4420051     | 208 in<br>/5.3m | Tape, Safety                                        |     |
| 46   | 1001112551  | 1               | Decal - Emergency Controls                          |     |
| 47   | 1001231422  | 1               | Decal - Wheel Assembly Mass                         |     |
| 71   | 1001258434  | 2               | Decal - Control Panel                               |     |

SECTION 9 - DECALS

FIGURE 9-10. DECAL INSTALLATION (CE SPECS - ENGLISH LANGUAGE)



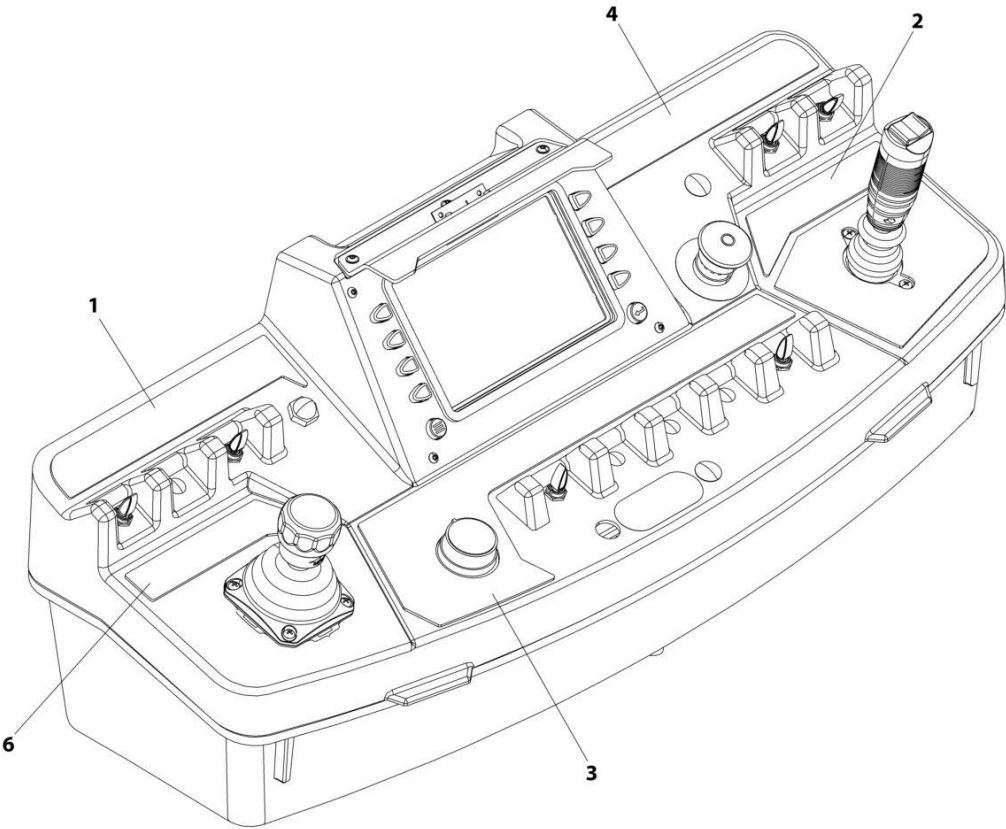
## SECTION 9 - DECALS

**FIGURE 9-10. DECAL INSTALLATION (CE SPECS - ENGLISH LANGUAGE)**

| ITEM | PART NUMBER | QTY             | DESCRIPTION                                         | REV |
|------|-------------|-----------------|-----------------------------------------------------|-----|
|      | 1001246548  | Ref             | DECAL INSTALLATION                                  | E   |
|      | 1001246546  | Ref             | DECAL REFERENCE CHART                               | G   |
| 1    | 0700610     | 4               | Bolt M6 x 20                                        |     |
| 2    | 91403230    | 1               | Box, Manual Storage                                 |     |
| 3    | 1701499     | 6               | Decal - No Tie Down/Lift                            |     |
| 4    | 1701509     | 1               | Decal - Manual                                      |     |
| 5    | 1701529     | 2               | Decal - Arrow                                       |     |
| 6    | See Note    | NSS             | Decal - Bar Code (Note: Not Available for Purchase) |     |
| 7    | 1001271526  | 2               | Decal - 670SJ Self Leveling                         |     |
| 9    | 1001216060  | 2               | Decal - Maximum Tire Load                           |     |
| 12   | 1705961     | 1               | Decal - Electrocution                               |     |
| 13   | 1703811     | 4               | Decal - Lifting Lug                                 |     |
| 14   | 1702300     | 6               | Decal - Tie Down                                    |     |
| 16   | 1704277     | 3               | Decal - Lanyard Attach                              |     |
| 17   | 1704412     | 1               | Decal - Hydraulic Oil                               |     |
| 23   | 3290605     | 4               | Nut M6                                              |     |
| 24   | 2080057     | 2               | Fastener                                            |     |
| 25   | 4811700     | 8               | Washer M6                                           |     |
| 27   | 1001194236  | 2               | Decal - Capacity                                    |     |
| 29   | 1001262643  | 1               | Decal - Lift Diagram                                |     |
| 34   | 1703687     | 2               | Decal - Arrow                                       |     |
| 35   | 1001244728  | 2               | Decal - Foot Crushing                               |     |
| 36   | 1001244729  | 2               | Decal - Shipping Mode                               |     |
| 37   | 1001289794  | 8               | Decal - Warning Arrow                               |     |
| 41   | 1001244796  | 1               | Decal - Tipping/Electrocution                       |     |
| 42   | 1705822     | 1               | Decal - Electrocution/Safety Manual                 |     |
| 43   | 1701518     | 7               | Decal - Crushing                                    |     |
| 44   | 1705828     | 1               | Nameplate - Footswitch                              |     |
| 45   | 4420051     | 208 in<br>/5.3m | Tape, Safety                                        |     |
| 57   | 1001159323  | 2               | Decal - JLG                                         |     |
| 59   | 1702773     | 3               | Decal - JLG                                         |     |
| 71   | 1001258434  | 2               | Decal - Control Panel                               |     |

SECTION 9 - DECALS

FIGURE 9-11. PLATFORM BOX DECALS INSTALLATION



ART\_1001245704



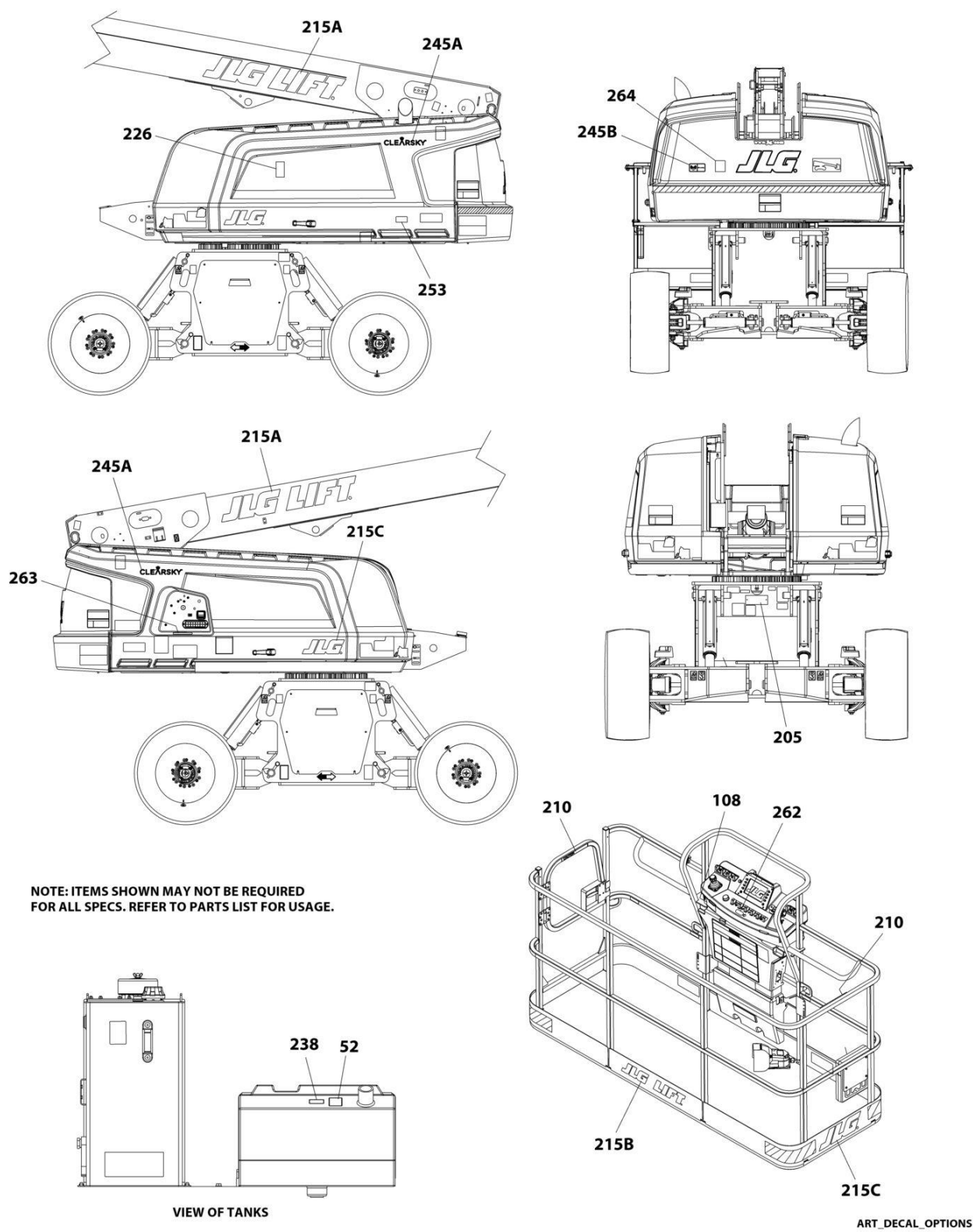
## SECTION 9 - DECALS

**FIGURE 9-11. PLATFORM BOX DECALS INSTALLATION**

| ITEM | PART NUMBER | QTY | DESCRIPTION                      | REV |
|------|-------------|-----|----------------------------------|-----|
|      | 1001245704  | Ref | PLATFORM BOX DECALS INSTALLATION | B   |
| 1    | 1001244798  | 1   | Decal - Horn                     |     |
| 2    | 1001244799  | 1   | Decal - Drive & Steer            |     |
| 3    | 1001244800  | 1   | Decal - Function Speed           |     |
| 4    | 1001244801  | 1   | Decal - Stop & Aux Power         |     |
| 6    | 1001245695  | 1   | Decal - Lift & Swing             |     |

SECTION 9 - DECALS

FIGURE 9-12. DECALS INSTALLATION - OPTIONS



## SECTION 9 - DECALS

**FIGURE 9-12. DECALS INSTALLATION - OPTIONS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                     | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------------------|-----|
|      | 1001250660  | Ref | DECAL INSTALLATION - OPTIONS                                                                    | G   |
|      | 1001246546  | Ref | DECAL REFERENCE CHART                                                                           | E   |
| 52   | 1701505     | 1   | Decal - Diesel Fuel                                                                             |     |
| 108  | 1001231801  | 1   | Decal - Proposition 65 Warning (Diesel Engines)                                                 |     |
| 205  | See Note    | NSS | Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)                      |     |
| 210  |             | Ref | Decal - No Hands Options (Machines with Platform Mesh/Soft-Touch Options):                      |     |
| 210  | 1702868     | 2   | Decal - No Hands (ANSI/ANSI Export/Australian/CE Specs) (English Language)                      |     |
| 210  | 1704002     | 2   | Decal - No Hands (Brazil Specs) (Portuguese & Spanish Languages)                                |     |
| 210  | 1705968     | 2   | Decal - No Hands (China Specs) (English & Simplified Chinese Languages)                         |     |
| 210  | 1001116846  | 2   | Decal - No Hands (China Specs) (English & Traditional Chinese Languages)                        |     |
| 210  | 1704000     | 2   | Decal - No Hands (CSA Specs) (English & French Languages)                                       |     |
| 210  | 1705969     | 2   | Decal - No Hands (Korean Specs) (English & Korean Languages)                                    |     |
| 210  | 1704001     | 2   | Decal - No Hands (Latin American Specs) (English & Spanish Languages)                           |     |
|      | 1001206816  | Ref | Decal Installation - JLG Logo (Not Shown) (All Specs except CE Specs)                           | A   |
| 215A | 1702861     | AR  | Decal - JLG Lift                                                                                |     |
| 215B | 1702774     | 1   | Decal - JLG Lift                                                                                |     |
| 215C | 1702773     | AR  | Decal - JLG                                                                                     |     |
| 226  |             | Ref | Decal - Warning Explosion/Fire Options (Diesel Engine Machines Only):                           |     |
| 226  | 1704972     | 1   | Decal - Warning Explosion/Fire (ANSI, ANSI Export and China Specs)                              |     |
| 226  | 1706098     | 1   | Decal - Warning Explosion/Fire (Australian and CE Specs)                                        |     |
| 226  | 1706059     | 1   | Decal - Warning Explosion/Fire (Brazil Spec - Dual Language English/Portuguese)                 |     |
| 226  | 1706060     | 1   | Decal - Warning Explosion/Fire (Chinese Spec - Dual Language English/Chinese)                   |     |
| 226  | 1706064     | 1   | Decal - Warning Explosion/Fire (CSA Spec - Dual Language English/French)                        |     |
| 226  | 1706062     | 1   | Decal - Warning Explosion/Fire (Japanese Spec - Dual Language English/Japanese)                 |     |
| 226  | 1706061     | 1   | Decal - Warning Explosion/Fire (Korean Spec - Dual Language English/Korean)                     |     |
| 226  | 1706063     | 1   | Decal - Warning Explosion/Fire (Latin American - Dual Language English/Spanish)                 |     |
| 238  | 1001125387  | 1   | Decal - Ultra Low Sulfur Fuel (ANSI & CSA Specs)                                                |     |
| 238  | 1001139654  | 1   | Decal - Ultra Low Sulfur Fuel (ANSI Export HRC, CE & Japanese Specs)                            |     |
| 245  | 1001120992  | Ref | Decal Installation - ClearSky                                                                   |     |
| 245A | 1001116208  | 2   | Decal - ClearSky                                                                                |     |
| 245B | 1001120989  | 1   | Decal - Radio Frequency                                                                         |     |
| 253  | 1001143852  | 1   | Decal - Emission Compliance (Machines with Diesel Engines) (ANSI Export, Australian & CE Specs) |     |
| 262  | 1001270337  | 1   | Decal - SkyGuard Override                                                                       |     |
| 263  | 1001197408  | 1   | Decal - MSSO (CE Specs)                                                                         |     |

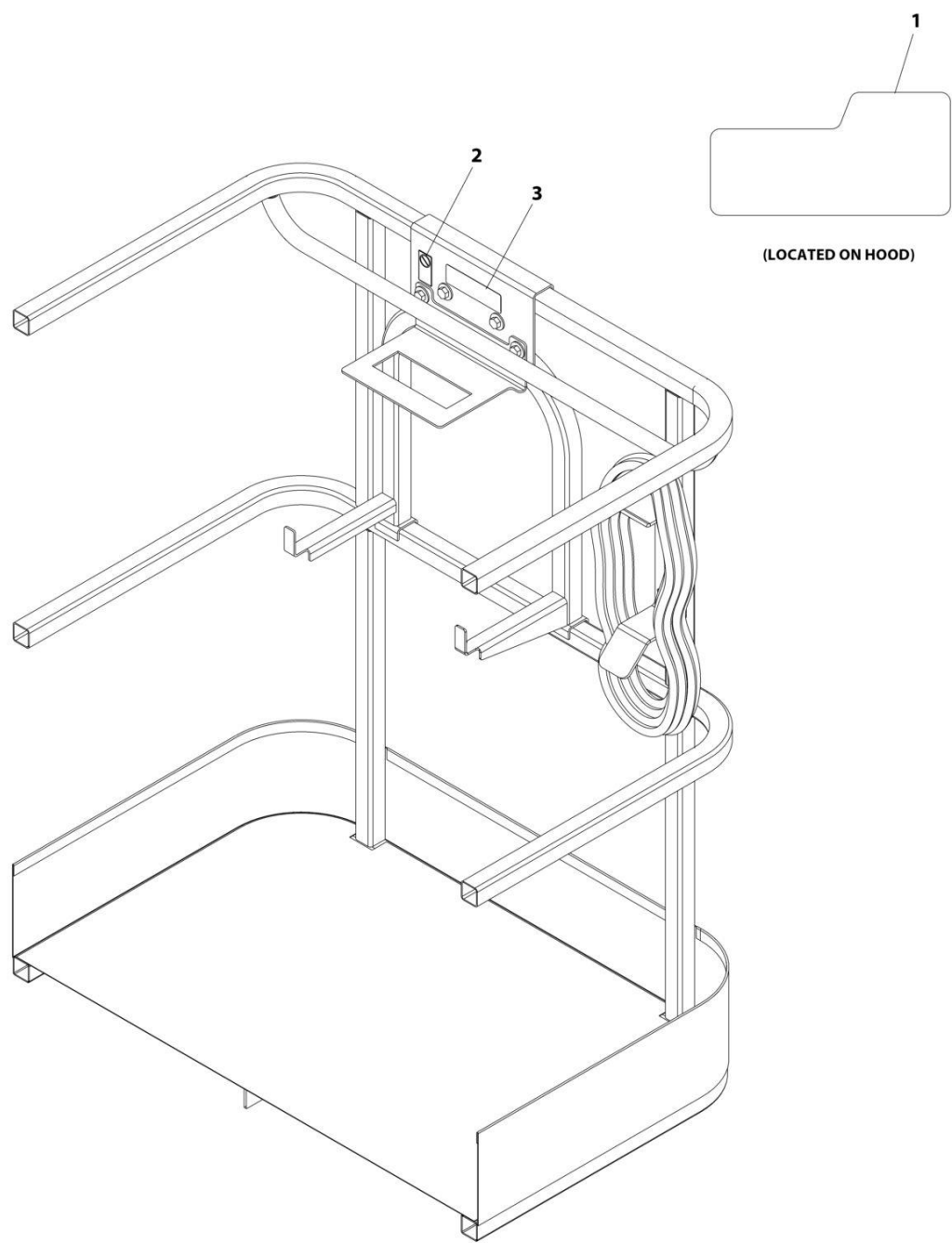
## SECTION 9 - DECALS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                    | REV |
|------|-------------|-----|--------------------------------------------------------------------------------------------------------------------------------|-----|
| 264  | 1001130492  | 1   | Decal - Sound Power (Deutz D2011 Engines) (ANSI Export' Australian, CE and China Specs)                                        |     |
| 264  | 1705515     | 1   | Decal - Sound Power (Deutz TD2.9L4 Engines and Deutz TD2.2L3 (Stage V) Engine) (ANSI, ANSI Export, CE, CSA and Japanese Specs) |     |
| 274  | 1001214030  | Ref | Decal - EAC Installation (CIS and Russia Specs) (Not Shown)                                                                    |     |
| 274  | 1001173703  | 1   | Decal - EAC (Not Shown)                                                                                                        |     |



SECTION 9 - DECALS

FIGURE 9-13. DECAL INSTALLATION - SKYWELDER (50HZ)



ART\_0272588

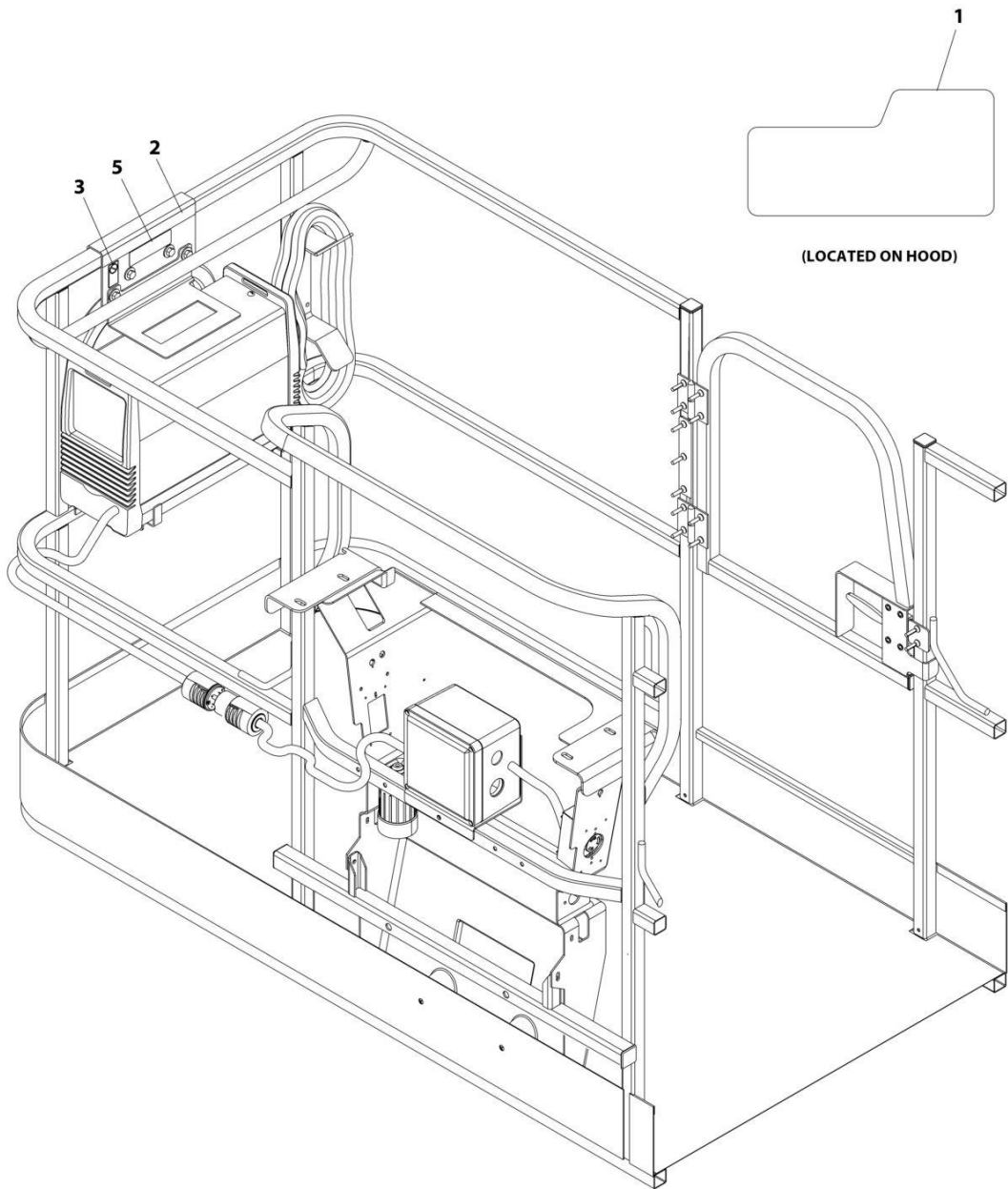
## SECTION 9 - DECALS

**FIGURE 9-13. DECAL INSTALLATION - SKYWELDER (50HZ)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 0272588     | Ref | SKYWELDER DECAL INSTALLATION - 50Hz | B   |
| 1    | 1705355     | 2   | Decal - SkyWelder                   |     |
| 2    | 1705305     | 1   | Decal - Weld Lead                   |     |
| 3    | 1001228988  | 1   | Decal - Weight                      |     |

SECTION 9 - DECALS

FIGURE 9-14. DECAL INSTALLATION - SKYWELDER (60HZ)



(LOCATED ON HOOD)

ART\_0272448\_D



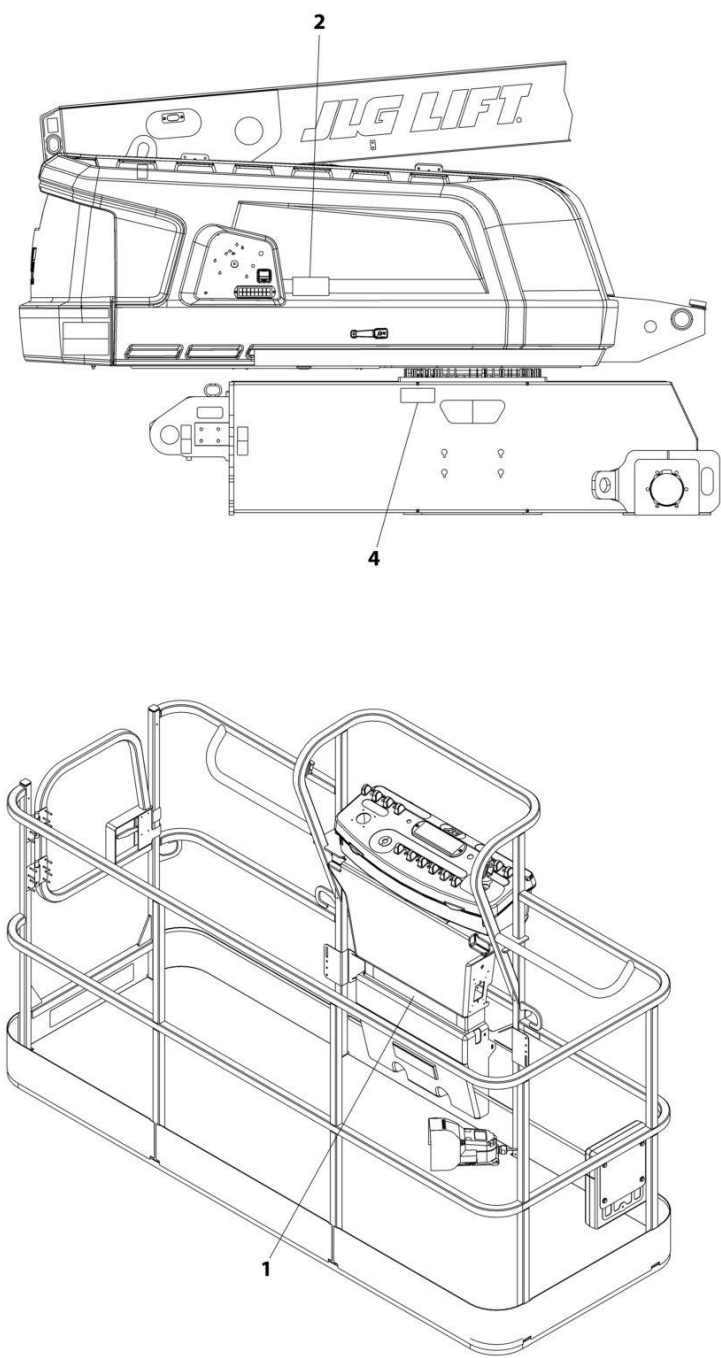
## SECTION 9 - DECALS

**FIGURE 9-14. DECAL INSTALLATION - SKYWELDER (60HZ)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                         | REV |
|------|-------------|-----|-------------------------------------|-----|
|      | 0272448     | Ref | SKYWELDER DECAL INSTALLATION - 60Hz | D   |
| 1    | 1705355     | 2   | Decal - SkyWelder                   |     |
| 2    | 1702868     | 1   | Decal - No Hands                    |     |
| 3    | 1705305     | 1   | Decal - Weld Lead                   |     |
| 5    | 1001228988  | 1   | Decal - Weight                      |     |

SECTION 9 - DECALS

FIGURE 9-15. DECAL INSTALLATION - SOFT-TOUCH (ANSI SPECS)



ART\_1001256940

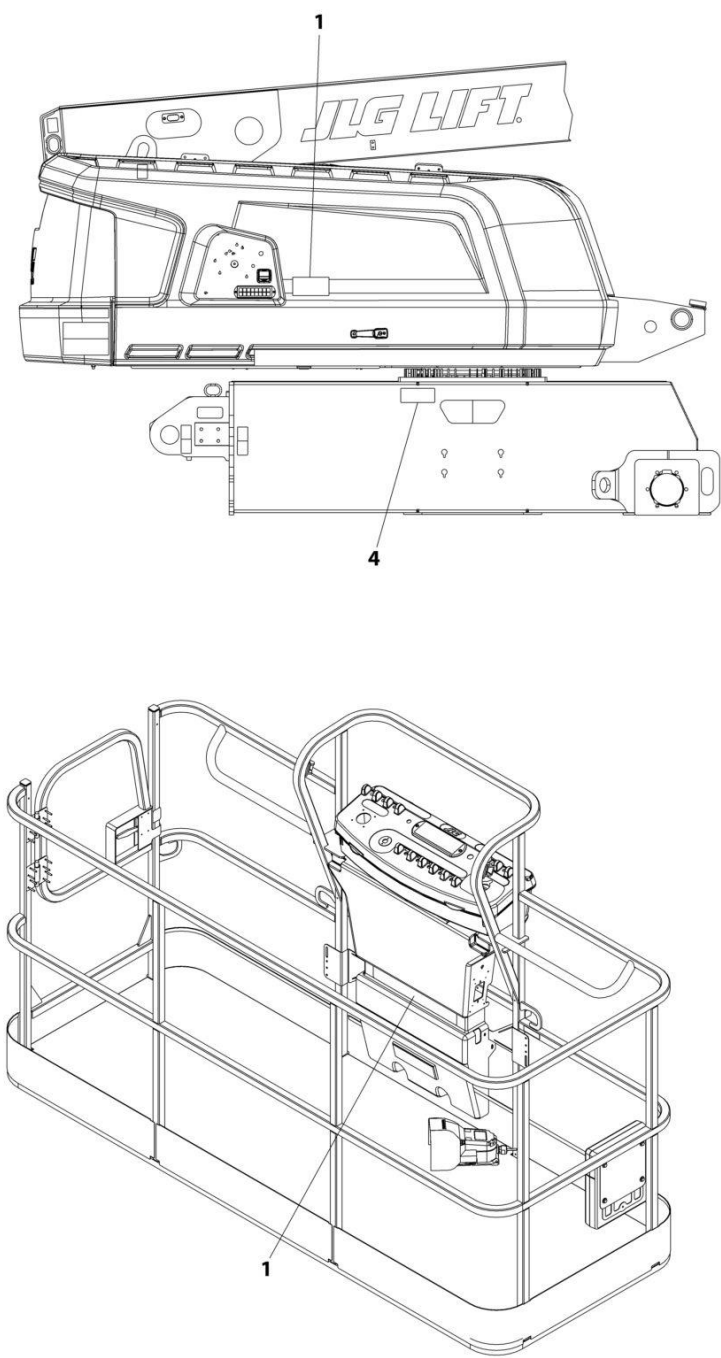
## SECTION 9 - DECALS

**FIGURE 9-15. DECAL INSTALLATION - SOFT-TOUCH (ANSI SPECS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                     | REV |
|------|-------------|-----|---------------------------------|-----|
|      | 1001256940  | Ref | DECAL INSTALLATION - SOFT-TOUCH | A   |
| 1    | 1001256933  | 1   | Decal - Warning Dual Capacity   |     |
| 2    | 1001256934  | 1   | Decal - Warning Dual Capacity   |     |
| 4    | 1001195491  | 1   | Decal - Notice                  |     |

SECTION 9 - DECALS

FIGURE 9-16. DECAL INSTALLATION - SOFT-TOUCH (ALL SPECS EXCEPT ANSI SPECS)



ART\_1001256941

## SECTION 9 - DECALS

**FIGURE 9-16. DECAL INSTALLATION - SOFT-TOUCH (ALL SPECS EXCEPT ANSI SPECS)**

| ITEM | PART NUMBER | QTY | DESCRIPTION                      | REV |
|------|-------------|-----|----------------------------------|-----|
|      | 1001256941  | Ref | DECAL INSTALLATION - SOFT-TOUCH  | A   |
| 1    | 1001195483  | 2   | Decal - Warning Maximum Capacity |     |
| 4    | 1001195490  | 1   | Decal - Notice                   |     |



## **SECTION 10 - RECOMMENDED SERVICE PARTS STOCK**

## **SECTION 10 - RECOMMENDED SERVICE PARTS STOCK**

## SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK

| ITEM | PART NUMBER | QTY   | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                   | REV |
|------|-------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      |             | Ref   | Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department. |     |
|      |             | Ref   | STANDARD PARTS                                                                                                                                                                                                                                                                                                                                                                |     |
|      | 70007323    | 1     | Coil (Steer Valve, Axle Valve, Lift Cylinder)                                                                                                                                                                                                                                                                                                                                 |     |
|      | 70026967    | 1     | Coil (Brake/2Speed Valve)                                                                                                                                                                                                                                                                                                                                                     |     |
|      | 70006004    | 1     | Coil (Axle Valve, Lift Cylinder)                                                                                                                                                                                                                                                                                                                                              |     |
|      | 70005336    | 12    | Element, Filter                                                                                                                                                                                                                                                                                                                                                               |     |
|      | 70010383    | 12    | Element, Filter (Includes O-Ring)                                                                                                                                                                                                                                                                                                                                             |     |
|      | 70002814    | 12    | Hydraulic Tank Service Kit                                                                                                                                                                                                                                                                                                                                                    |     |
|      | 3740067     | 12    | Relay                                                                                                                                                                                                                                                                                                                                                                         |     |
|      | 4360475     | 1     | Switch, Mushroom                                                                                                                                                                                                                                                                                                                                                              |     |
|      | 1001155045  | 1     | Switch, Toggle                                                                                                                                                                                                                                                                                                                                                                |     |
|      | 4360469     | 1     | Switch, Key                                                                                                                                                                                                                                                                                                                                                                   |     |
|      | 2860030     | 1 Set | Key, Replacement                                                                                                                                                                                                                                                                                                                                                              |     |
|      | 4360387     | 1     | Switch, Push Button                                                                                                                                                                                                                                                                                                                                                           |     |
|      | 70005683    | 1     | Repair Section - Powertrack                                                                                                                                                                                                                                                                                                                                                   |     |
|      | 70006122    | 1     | Coil (Platform Valve)                                                                                                                                                                                                                                                                                                                                                         |     |
|      | 70004653    | 1     | Coil (Platform Valve)                                                                                                                                                                                                                                                                                                                                                         |     |
|      | 4360407     | 1     | Controller, Speed                                                                                                                                                                                                                                                                                                                                                             |     |
|      | 1001159256  | 1     | Switch, Toggle                                                                                                                                                                                                                                                                                                                                                                |     |
|      | 1001161709  | 1     | Switch, Toggle                                                                                                                                                                                                                                                                                                                                                                |     |
|      | 1001212415  | 1     | Controller, Drive and Steer                                                                                                                                                                                                                                                                                                                                                   |     |
|      | 1001129555  | 1     | Controller, Lift and Swing                                                                                                                                                                                                                                                                                                                                                    |     |
|      | 70007318    | 1     | Coil with Nut (Chassis Cylinder)                                                                                                                                                                                                                                                                                                                                              |     |
|      | 8229237     | 2     | Fuse 15Amp                                                                                                                                                                                                                                                                                                                                                                    |     |
|      | 1001196634  | 2     | Fuse- 2Amp                                                                                                                                                                                                                                                                                                                                                                    |     |
|      | 1001227788  | 2     | Fuse 2Amp                                                                                                                                                                                                                                                                                                                                                                     |     |
|      | 8229242     | 2     | Fuse 5Amp                                                                                                                                                                                                                                                                                                                                                                     |     |
|      | 8229244     | 2     | Fuse 15Amp                                                                                                                                                                                                                                                                                                                                                                    |     |
|      | 1001196636  | 2     | Diode 1Amp                                                                                                                                                                                                                                                                                                                                                                    |     |
|      | 3740080     | 1     | Relay                                                                                                                                                                                                                                                                                                                                                                         |     |
|      | 1001095704  | 1     | Relay                                                                                                                                                                                                                                                                                                                                                                         |     |
|      |             | Ref   | VARIABLE PARTS                                                                                                                                                                                                                                                                                                                                                                |     |
|      | 1001236360  | 1     | Sensor, Steer Angle                                                                                                                                                                                                                                                                                                                                                           |     |
|      | 7026031     | 1     | Sensor, Proximity (Swivel)                                                                                                                                                                                                                                                                                                                                                    |     |
|      | 1001133759  | 1     | Sensor, Angle (Swivel)                                                                                                                                                                                                                                                                                                                                                        |     |
|      | 70005708    | 1     | Breather Assembly (Includes Breather, Element & Wingnut) (Hydraulic Tank)                                                                                                                                                                                                                                                                                                     |     |
|      | 1001142683  | 1     | Module (Used with Blue or Red Beacons)                                                                                                                                                                                                                                                                                                                                        |     |
|      | 70003783    | 12    | Element, Air Cleaner Filter (Deutz D2011 Engines)                                                                                                                                                                                                                                                                                                                             |     |
|      | 7016328     | 12    | Filter, Fuel (Deutz D2011 Engines)                                                                                                                                                                                                                                                                                                                                            |     |
|      | 7016331     | 12    | Element, Oil Filter (Deutz D2011 Engine)                                                                                                                                                                                                                                                                                                                                      |     |
|      | 7027795     | 1     | Module, Engine Control (ECU) (Deutz D2011 Engines)                                                                                                                                                                                                                                                                                                                            |     |
|      | 1001117308  | 1     | Contactor (Relay (Deutz TD2.3L3 Stage V & Deutz TD2.9L4 Engines)                                                                                                                                                                                                                                                                                                              |     |



## SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                 | REV |
|------|-------------|-----|-----------------------------------------------------------------------------|-----|
|      | 70005008    | 12  | Element, Air Cleaner Filter (Deutz TD2.3L3 Stage V & Deutz TD2.9L4 Engines) |     |
|      | 1001225430  | 12  | Filter, Fuel (Primary) (Deutz TD2.9L4 Engines))                             |     |
|      | 1001225431  | 12  | Filter, Fuel (Secondary) (Deutz TD2.9L4 Engines)                            |     |
|      | 7016331     | 12  | Filter, Oil (Deutz TD2.9L4 Engines)                                         |     |
|      | 70025210    | 1   | Module, Engine Control (ECM/ECU) (Deutz TD2.9L4 Engines)                    |     |
|      | 1001138228  | 1   | Relay (Deutz TD2.3L3 Stage V Engines)                                       |     |
|      | 70004066    | 12  | Element, Filter (Optional Remoye Mounted Filter)                            |     |
|      | 4360336     | 1   | Switch, Toggle (Generator Options)                                          |     |
|      | 4360070     | 1   | Circuit Breaker 15Amp (Machines with 4000W or 7500W Generator)              |     |
|      | 1001214831  | 1   | Switch, Proximity (Boom)                                                    |     |
|      | 70005335    | 12  | Element, High Pressure Filter (Boom)                                        |     |
|      | 1001170847  | 1   | Sensor, Proximity (Boom)                                                    |     |
|      | 1001182570  | 1   | Sensor, Proximity (Boom)                                                    |     |
|      | 1001211577  | 1   | Sensor (Lower) (Boom)                                                       |     |
|      | 1001211579  | 1   | Sensor (Upper) (Boom)                                                       |     |
|      | 1001247468  | 1   | Loadcell (Platform)                                                         |     |
|      | 2940074     | 1   | Latch (Machines with Gate Entry Platform)                                   |     |
|      | 1001117174  | 1   | Footswitch Assembly                                                         |     |
|      | 1001185726  | 1   | Module, Platform                                                            |     |
|      | 1001239365  | 1   | Display, Platofrm                                                           |     |
|      | 1001228224  | 1   | Sensor, Receiver (Machines with SkyEye)                                     |     |
|      | 1001228225  | 1   | Sensor, Emitter (Machines with SkyEye)                                      |     |
|      | 1001137673  | 1   | Switch (Machines with SkyGuard)                                             |     |
|      | 1001186431  | 1   | Relay (Machines with SkyGuard)                                              |     |
|      | 1001232667  | 1   | Sensor, Proximity (Machines with SkyLine)                                   |     |
|      | 1001187200  | 1   | Module, Ground Control                                                      |     |
|      | 1001219601  | 1   | Sensor, Tilt (Chassis)                                                      |     |
|      | 1001238623  | 1   | Sensor, Inclinator                                                          |     |
|      | 1001239532  | 1   | Sensor, Pressure (Chassis)                                                  |     |
|      | 1001239562  | 1   | Module, Frame/Chassis                                                       |     |
|      | 1001181045  | 1   | Breaker, Circuit 16A (CE Specs Machines with Single Breaker Box)            |     |
|      | 1001152479  | 1   | Breaker, Circuit 16A Double (CE Specs Machines with 3 Breaker Box)          |     |
|      | 1001152482  | 1   | Breaker, Circuit 30mA (CE Specs Machines with 3 Breaker Box)                |     |
|      | 1001172065  | 2   | Fuse - 30Amp (Deutz D2.9L4 Engines)                                         |     |
|      | 80983191    | 2   | Fuse - 10Amp (Deutz D2.9L4 Engines)                                         |     |
|      | 8229245     | 2   | Fuse 30Amp (Machines with 2500W Generator)                                  |     |
|      | 2400064     | 2   | Fuse 5A (Deutz D2011 Engine Machines with 7500W SkyPower Generator)         |     |
|      | 3740086     | 1   | Relay (Machines with SkyLine)                                               |     |



**SECTION 11 - SPECIAL OPTIONS**

## SECTION 11 - SPECIAL OPTIONS

**FIGURE 11-1. SPECIAL OPTIONS**

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                                               | REV |
|------|-------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      |             | Ref | Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department. |     |
|      |             | Ref | MISCELLANEOUS SPECIAL OPTIONS                                                                                                                                                             |     |
|      |             | Ref | Airline to Platform Installation Options:                                                                                                                                                 |     |
|      | 1001193215  | Ref | Airline Installation                                                                                                                                                                      |     |
|      | 1001194045  | Ref | Airline Installation (Arctic Package)                                                                                                                                                     |     |
|      | 1001235884  | Ref | Air Intake Shutoff Valve (Deutz TD2.9L4 Engines)                                                                                                                                          |     |
|      | 1001205021  | Ref | Arctic Package Installation Kit - Deutz TD2.9L4 Engines & Without SkyPower                                                                                                                |     |
|      | 1001205020  | Ref | Arctic Package Installation Kit - Deutz TD2.9L4 Engines & Without SkyPower                                                                                                                |     |
|      | 1001189170  | Ref | Bellows Installation - Boom                                                                                                                                                               |     |
|      | 1001244537  | Ref | Bellows Installation - Chassis                                                                                                                                                            |     |
|      | 1001199095  | Ref | Boom Cable/Hose Protection Installation                                                                                                                                                   |     |
|      | 1001195235  | Ref | Boom Wipers Installation                                                                                                                                                                  |     |
|      | 1001233047  | Ref | Breather Heater Kit (Deutz Engines)                                                                                                                                                       |     |
|      |             | Ref | ClearSky (Telematics) Add-on Kits (Dealer Installed)                                                                                                                                      |     |
|      | 1001265378  | Ref | ClearSky (Telematics) Added-on Kit (Dealer Installed) (ANSI, ANSI Export, CSA and CE Specs)                                                                                               |     |
|      | 1001246142  | Ref | ClearSky (Telematics) Add-on Kit (Australian Specs) (Dealer Installed)                                                                                                                    |     |
|      | 1001243184  | Ref | ClearSky (Telematics) Added-on Kit (Dealer Installed) (CE Specs)                                                                                                                          |     |
|      | 1001242639  | Ref | ClearSky (Telematics) Access Control Add-on Kit (Dealer Installed)                                                                                                                        |     |
|      |             | Ref | Cold Weather Package Installation Options:                                                                                                                                                |     |
|      | 1001192489  | Ref | Cold Weather Package Installation (Deutz D20114 Engine Machines)                                                                                                                          |     |
|      | 1001256385  | Ref | Cold Weather Package Installation (Deutz D2.2L3 Engines Machines)                                                                                                                         |     |
|      | 1001192475  | Ref | Cold Weather Package Installation (Deutz D2.9L4 Engines Machines)                                                                                                                         |     |
|      | 1001276007  | Ref | Controller Service Kit - Drive/Steer                                                                                                                                                      |     |
|      | 1001276008  | Ref | Controller Service Kit - Lift/Swing                                                                                                                                                       |     |
|      |             | Ref | Decal Installations Options:                                                                                                                                                              |     |
|      | 0257195     | Ref | Decal - Government Warranty                                                                                                                                                               |     |
|      | 1001200131  | Ref | Decal - Quick Reference (Danish) (Lomax Rentals)                                                                                                                                          |     |
|      | 1001200129  | Ref | Decal - Quick Reference (Dutch) (Lomax Rentals)                                                                                                                                           |     |
|      | 1001181145  | Ref | Decal - Quick Reference (English) (Lomax Rentals)                                                                                                                                         |     |
|      | 1001200128  | Ref | Decal - Quick Reference (French) (Lomax Rentals)                                                                                                                                          |     |
|      | 1001200130  | Ref | Decal - Quick Reference (German) (Lomax Rentals)                                                                                                                                          |     |
|      | 1001200134  | Ref | Decal - Quick Reference (Norwegian) (Lomax Rentals)                                                                                                                                       |     |
|      | 1001200133  | Ref | Decal - Quick Reference (Spanish) (Lomax Rentals)                                                                                                                                         |     |
|      | 1001200132  | Ref | Decal - Quick Reference (Swedish) (Lomax Rentals)                                                                                                                                         |     |
|      | 1001109259  | Ref | Drive Orientation Kit                                                                                                                                                                     |     |
|      |             | 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                                                                                                                                                          |     |

## SECTION 11 - SPECIAL OPTIONS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                                                                                    | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|      | 1001148906  | Ref | Various Electrical Connectors Kit                                                                                                                              |     |
|      | 1001269630  | Ref | Fall Arrest (Bolt-on) Add-on Kit (30in x 4ft Platform (ANSI, ANSI Export, China, CSA & Japanese Specs Only) (Fits Platform p/ns 1001186384 & 1001228376)       |     |
|      | 1001269629  | Ref | Fall Arrest (Bolt-on) Add-on Kit (30in x 5ft Platform (ANSI, ANSI Export, China, CSA & Japanese Specs Only) (Fits Platform p/ns 1001186384 & 1001228376)       |     |
|      | 1001237883  | Ref | Fall Arrest (Bolt-on) Add-on Kit (36in x 6ft/1.82m Platform (ANSI, ANSI Export, China, CSA & Japanese Specs Only) (Fits Platform p/ns 1001186384 & 1001228376) |     |
|      | 1001237882  | Ref | Fall Arrest (Bolt-on) Add-on Kit (38in x 8ft/2.4m Platform (ANSI, ANSI Export, China, CSA & Japanese Specs Only) (Fits Platform p/ns 1001186383)               |     |
|      | 1001192482  | Ref | Fan Grille Installation (Deutz D2011 Engines)                                                                                                                  |     |
|      | 1001256272  | Ref | Fan Grille Installation (Deutz D2011 Engines) (Australian Specs)                                                                                               |     |
|      | 1001192610  | Ref | Fan Grille Installation (Deutz TD2.9L4 Engines)                                                                                                                |     |
|      | 1001282840  | Ref | Fan Spacer Service Kit (Deutz)                                                                                                                                 |     |
|      |             | Ref | Filter Kits:                                                                                                                                                   |     |
|      |             | Ref | Combined Filter Kit (Hydraulic/Air and Fuel/Engine Oil)                                                                                                        |     |
|      | 1001238957  | 1   | Deutz D2011 Engines                                                                                                                                            |     |
|      | 1001238961  | 1   | Deutz TD2.9L4 - 67HP Engines                                                                                                                                   |     |
|      | 1001109692  | 1   | Hydraulic/Air Filter                                                                                                                                           |     |
|      | 1001110133  | 1   | Fuel/Engine Oil Filter (Deutz Engines Only)                                                                                                                    |     |
|      | 1001139099  | Ref | Fire Extinguisher installation (Platform Mounted)                                                                                                              |     |
|      | 1001202749  | Ref | Fuel Cap Cover Installation (Black) (Note: Lock p/n 1001102157 must be Purchased Separately)                                                                   |     |
|      | 1001191395  | Ref | Fuel Cap Cover Installation (Green) (Diesel Machines) (Note: Lock p/n 1001102157 must be Purchased Separately)                                                 |     |
|      | 1001281467  | Ref | Hood Latch Kit                                                                                                                                                 |     |
|      |             | Ref | Hose Kit Options:                                                                                                                                              |     |
|      | 1001238906  | Ref | Hose Kit - Platform Valve                                                                                                                                      |     |
|      | 1001238904  | Ref | Hose Kit - Upper Power Track                                                                                                                                   |     |
|      |             | Ref | Hostile Environment Installation Options:                                                                                                                      |     |
|      | 1001238929  | Ref | Hostile Environment Add-on Kit (Dealer Installed)                                                                                                              |     |
|      | 1001195237  | Ref | Hostile Package (Extreme) Installation                                                                                                                         |     |
|      | 1001189615  | Ref | Kingpin Removal Kit                                                                                                                                            |     |
|      | 1001148971  | Ref | Lanyard (Bolt-On) Kit Installation                                                                                                                             |     |
|      | 1001271456  | Ref | Lift Cylinder Enhancement Kit                                                                                                                                  |     |
|      |             | Ref | Light Options:                                                                                                                                                 |     |
|      | 1001263073  | Ref | Chassis Illumination Lights Installation                                                                                                                       |     |
|      | 1001263074  | Ref | Headlights & Taillights Installation                                                                                                                           |     |
|      | 1001120467  | Ref | Platform Floodlights Installation                                                                                                                              |     |
|      | 1001178951  | Ref | Platform Mounted Strobe Light Installation                                                                                                                     |     |
|      | 1001120466  | Ref | Platform Worklights Installation                                                                                                                               |     |
|      | 1001183407  | Ref | Low Temperature Cutout Installation (Russian Specs)                                                                                                            |     |
|      |             | Ref | Oil Cooler Options:                                                                                                                                            |     |
|      | 1001263799  | Ref | Oil Cooler Installation (Deutz TD2011 Engine)                                                                                                                  |     |
|      | 1001263957  | Ref | Oil Cooler Installation (Deutz TD2.2L3 (Stage V) Engine)                                                                                                       |     |
|      | 1001263798  | Ref | Oil Cooler Installation (Deutz TD2.9L4 Engine)                                                                                                                 |     |
|      | 1001233035  | Ref | Pinion Shield Installation                                                                                                                                     |     |
|      |             | Ref | Platform Console Cover Installations                                                                                                                           |     |
|      | 1001195304  | Ref | Platform Console Cover Installation (Clear Polycarbonate)                                                                                                      |     |
|      | 1001266290  | Ref | Platform Console Cover Installation (Steel) (All Specs)                                                                                                        |     |
|      | 1001270482  | Ref | Platform Console Cover Add-on Kit (Dealer Installed)                                                                                                           |     |

## SECTION 11 - SPECIAL OPTIONS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                             | REV |
|------|-------------|-----|---------------------------------------------------------------------------------------------------------|-----|
|      |             | Ref | Platform Entry Kit                                                                                      |     |
|      | 1001142504  | Ref | Platform Entry Kit - Replace Swing Gate with Drop Bar                                                   |     |
|      | 1001142505  | Ref | Platform Entry Kit - Replace Drop Bar with Swing Gate                                                   |     |
|      |             | Ref | Platform Extension (Top Rail)                                                                           |     |
|      | 0272733     | Ref | 36in x 72in Platforms                                                                                   |     |
|      | 0272725     | Ref | 36in x 96in Platforms                                                                                   |     |
|      | 1001274833  | Ref | Platform Floormat Add-on Kit 30IN x 48IN Platform (Dealer Installed)                                    |     |
|      | 1001274832  | Ref | Platform Floormat Add-on Kit 30IN x 60IN Platform (Dealer Installed)                                    |     |
|      | 1001274830  | Ref | Platform Floormat Add-on Kit 36IN x 72IN Platform (Dealer Installed)                                    |     |
|      | 1001274829  | Ref | Platform Floormat Add-on Kit 36IN x 96IN Platform (Dealer Installed)                                    |     |
|      |             | Ref | Platform Mesh to Top Rail Add-on Kit Options (Dealer Installed)                                         |     |
|      | 1001281456  | Ref | Platform Mesh (Steel) to Top Rail Add-on Kit - 30in x 4ft (76cm x 1.22m) with Gate (Dealer Installed)   |     |
|      | 1001281455  | Ref | Platform Mesh (Steel) to Top Rail Add-on Kit - 30in x 5ft (76cm x 1.52m) with Gate (Dealer Installed)   |     |
|      | 1001281454  | Ref | Platform Mesh (Steel) to Top Rail Add-on Kit - 30in x 6ft (76cm x 1.83m) with Gate (Dealer Installed)   |     |
|      | 1001281453  | Ref | Platform Mesh (Steel) to Top Rail Add-on Kit - 36in x 6ft (91.5cm x 1.83m) with Gate (Dealer Installed) |     |
|      |             | Ref | Platform Mesh (Steel) to Top Rail Installation Options (Factory Installed)                              |     |
|      | 1001272182  | Ref | Platform Mesh (Steel) to Top Rail Installation - 30in x 4ft (76cm x 1.22m) (Factory Installed)          |     |
|      | 1001266807  | Ref | Platform Mesh (Plastic) to Top Rail Installation - 30in x 4ft (76cm x 1.22m) (Factory Installed)        |     |
|      | 1001271888  | Ref | Platform Mesh (Steel) to Top Rail Installation - 30in x 5ft (76cm x 1.52m) (Factory Installed)          |     |
|      | 1001266801  | Ref | Platform Mesh (Plastic) to Top Rail Installation - 30in x 5ft (76cm x 1.52m) (Factory Installed)        |     |
|      | 1001271642  | Ref | Platform Mesh (Steel) to Top Rail Installation - 36in x 6ft (91.5cm x 1.83m) (Factory Installed)        |     |
|      | 1001266489  | Ref | Platform Mesh (Plastic) to Top Rail Installation - 36in x 6ft (91.5cm x 1.83m) (Factory Installed)      |     |
|      | 1001269187  | Ref | Platform Mesh (Steel) to Top Rail Installation - 36in x 8ft (91.5cm x 2.44m) (Factory Installed)        |     |
|      | 1001266056  | Ref | Platform Mesh (Plastic) to Top Rail Installation - 36in x 8ft (91.5cm x 2.44m) (Factory Installed)      |     |
|      |             | Ref | Platform Mesh to Mid Rail Add-on Kit Options (Dealer Installed)                                         |     |
|      | 1001281461  | Ref | Platform Mesh to Mid (Steel) Rail Add-on Kit - 30in x 4ft (76cm x 1.22m) with Gate (Dealer Installed)   |     |
|      | 1001281460  | Ref | Platform Mesh (Steel) to Mid Rail Add-on Kit - 30in x 5ft (76cm x 1.52m) with Gate (Dealer Installed)   |     |
|      | 1001281458  | Ref | Platform Mesh (Steel) to Mid Rail Add-on Kit - 36in x 6ft (91.5cm x 1.83m) with Gate (Dealer Installed) |     |
|      | 1001281457  | Ref | Platform Mesh (Steel) to Mid Rail Add-on Kit - 36in x 8ft (91.5cm x 2.44m) with Gate (Dealer Installed) |     |
|      |             | Ref | Platform Mesh to Mid Rail Installation Options (Factory Installed)                                      |     |
|      | 1001272274  | Ref | Platform Mesh (Steel) to Mid Rail Installation - 30in x 4ft (76cm x 1.22m) (Factory Installed)          |     |
|      | 1001266969  | Ref | Platform Mesh (Plastic) to Mid Rail Installation - 30in x 4ft (76cm x 1.22m) (Factory Installed)        |     |
|      | 1001272178  | Ref | Platform Mesh (Steel) to Mid Rail Installation - 30in x 5ft (76cm x 1.52m) (Factory Installed)          |     |

## SECTION 11 - SPECIAL OPTIONS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                                                        | REV |
|------|-------------|-----|----------------------------------------------------------------------------------------------------|-----|
|      | 1001266799  | Ref | Platform Mesh (Plastic) to Mid Rail Installation - 30in x 5ft (76cm x 1.52m) (Factory Installed)   | AB  |
|      | 1001271760  | Ref | Platform Mesh (Steel) to Mid Rail Installation - 36in x 6ft (91.5cm x 1.83m) (Factory Installed)   |     |
|      | 1001266284  | Ref | Platform Mesh (Plastic) to Mid Rail Installation - 36in x 6ft (91.5cm x 1.83m) (Factory Installed) |     |
|      | 1001269389  | Ref | Platform Mesh (Steel) to Mid Rail Installation - 36in x 8ft (91.5cm x 2.44m) (Factory Installed)   |     |
|      | 1001266098  | Ref | Platform Mesh (Plastic) to Mid Rail Installation - 36in x 8ft (91.5cm x 2.44m) (Factory Installed) |     |
|      | 1580013     | Ref | Platform Storage Tray (Corner Mounted)                                                             |     |
|      | 1001211366  | Ref | Service Kits                                                                                       |     |
|      | 1001247073  | Ref | SkyEye Add-on Kit (Dealer Installed)                                                               |     |
|      | 1001241547  | Ref | SkyEye Repair Kit (LH Side)                                                                        |     |
|      | 1001241548  | Ref | SkyEye Repair Kit (RH Side)                                                                        |     |
|      | 2902232     | Ref | SkyGlazier Kit (Includes 36in x 8ft (91.5cm x 2.44m) Platform)                                     |     |
|      | 1001101422  | Ref | SkyGlazier Kit (Platform not Included)                                                             |     |
|      | 1001205492  | Ref | SkyGlazier Kit (Platform not Included)                                                             |     |
|      | 1001249052  | Ref | SkyGuard Add-on Kit (Dealer Installed)                                                             |     |
|      | 1001197016  | Ref | SkyGuard Installation Kit (New Style Platform)                                                     |     |
|      | 1001263794  | Ref | SkyGuard Blue Beacon Installation Kit                                                              |     |
|      | 1001263795  | Ref | SkyGuard Red Beacon Installation Kit                                                               |     |
|      | 1001262016  | Ref | SkyLine Add-on Kit (Dealer Installed)                                                              |     |
|      | 1001217055  | Ref | SkyPower Kit (Deutz TD2.9L4 Engine)                                                                |     |
|      | 1001250465  | Ref | SkySense Enhanced Detection System (EDS) Level 1 (2-Bar) Installation (Factory Installed)          |     |
|      | 1001269655  | Ref | SkySense Bumper Padding 36x96                                                                      |     |
|      | 1001231235  | Ref | SkyWelder Locking Bracket Installation                                                             |     |
|      | 1001281070  | Ref | Strobe/Beacon Replacement Kit                                                                      |     |
|      |             | Ref | Tools for Service                                                                                  |     |
|      | 1001249695  | 1   | Analyzer and Cable Kit                                                                             |     |
|      | 1001249941  | 1   | Analyzer and Cable Kit (Battery Powered)                                                           |     |
|      | 1001137005  | 1   | Software Cable Kit                                                                                 |     |
|      | 7002840     | 1   | Anti-Rotation Pin Removal Tool                                                                     |     |
|      | 8896941     | 1   | Wire Stripper                                                                                      |     |
|      | 7002821     | 1   | Wire Crimper (To install wire ends to wires)                                                       |     |
|      | 7002823     | 1   | Pin/Socket Extractor - Universal (To Remove Pins/Sockets from Connectors)                          |     |
|      | 4460467     | 1   | Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)                       |     |
|      | 4460510     | 1   | Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)                       |     |
|      | 7002822     | 1   | Screwdriver, Potentiometer (To Adjust Drive Controllers)                                           |     |
|      | 7016654     | 1   | Screwdriver, Magnetic                                                                              |     |
|      | 7004275     | 1   | Seal Installation Tool - 1in                                                                       |     |
|      | 7004276     | 1   | Seal Installation Tool - 1-1/2in                                                                   |     |
|      | 7002826     | 1   | Seal Installation Tool - 2in                                                                       |     |
|      | 7016655     | 1   | Wire Rope Sheave Gauge                                                                             |     |
|      | 7016652     | 1   | Huck Bolt Faster (For Small Huck Bolts Only)                                                       |     |
|      | 1001228580  | Ref | Telematics Gateway (Dealer Installed)                                                              |     |
|      | 1001284517  | Ref | Telematics Gateway Plus (Dealer Installed)                                                         |     |
|      | 2915096     | Ref | Turntable Bearing Kit                                                                              |     |
|      | 1001277839  | Ref | UGM Retrofit Kit (1001187200 Module)                                                               |     |

SECTION 11 - SPECIAL OPTIONS

| ITEM | PART NUMBER | QTY | DESCRIPTION                                                   | REV |
|------|-------------|-----|---------------------------------------------------------------|-----|
|      | 1001277840  | Ref | UGM Retrofit Kit (1001103667 Module)                          |     |
|      | 1001277848  | Ref | UGM Retrofit Kit (1600312, 1600327, 1600364, 1600411 Modules) |     |
|      | 1001262959  | Ref | Voltage Regulator Relocation Kit (ClearSky)                   |     |
|      | 1001238898  | Ref | Wear Pad Kit                                                  |     |
|      | 1001270717  | Ref | White Noise Alarm Add-on Kit ( Dealer Installed)              |     |
|      | 1001270718  | Ref | White Noise Alarm (Ambient) Add-on Kit ( Dealer Installed)    |     |
|      | 1001238907  | Ref | Wire Rope Kit                                                 |     |



**PART NUMBER INDEX**

## SECTION 11 - SPECIAL OPTIONS

|                               |     |                                |                               |               |                               |
|-------------------------------|-----|--------------------------------|-------------------------------|---------------|-------------------------------|
| 0100009 .....                 | 313 | 0641418 283, 287, 295, 297,    | 0701018 .....                 | 140           | 0761014 111, 113, 133, 262,   |
| 0100011 ..17, 19, 21, 37, 41, |     | 299, 303, 305, 307             | 0701019 .....                 | 256           | 265, 267, 279, 402, 408,      |
| 55, 59, 61, 67, 69, 92, 93,   |     | 0641420 .....                  | 0701020 .....                 | 265, 267      | 414, 420                      |
| 96, 97, 99, 101, 104, 108,    |     | 0641424 455, 459, 461, 463,    | 0701022 .....                 | 121, 147, 165 | 0761015.... 92, 96, 126, 133, |
| 111, 113, 121, 123, 126,      |     | 467, 471                       | 0701028 .....                 | 261           | 140, 155, 173, 191, 193,      |
| 133, 137, 140, 147, 151,      |     | 0641504 .....                  | 0701029 .....                 | 261           | 195, 197, 199, 201, 271       |
| 155, 165, 169, 173, 183,      |     | 0641507 .....                  | 0701032 .....                 | 271           | 0761016.... 83, 85, 140, 155, |
| 191, 193, 195, 197, 199,      |     | 0641508 .....                  | 0701216 92, 93, 96, 97, 104,  |               | 173, 185, 262                 |
| 201, 205, 207, 217, 219,      |     | 0641606 .....                  | 108                           |               | 0761017..... 156, 173, 262    |
| 223, 225, 229, 233, 237,      |     | 0641607 .....                  | 0701217 .....                 | 59, 61        | 0761210 121, 147, 156, 165,   |
| 239, 243, 247, 256, 261,      |     | 0641608 .....                  | 0701220 92, 93, 96, 97, 104,  |               | 173                           |
| 265, 267, 271, 273, 277,      |     | 0641616 .....                  | 108, 133, 455, 457, 459,      |               | 0761212 140, 225, 229, 233,   |
| 279, 283, 287, 291, 295,      |     | 0641618 225, 233, 237, 239,    | 461, 463, 465, 467, 469,      |               | 237, 239, 243, 247, 256       |
| 297, 299, 303, 305, 307,      |     | 247                            | 471, 473                      |               | 0761214... 19, 140, 219, 251  |
| 331, 333, 337, 339, 341,      |     | 0641814 123, 137, 151, 169,    | 0701221 .....                 | 59, 61        | 0761215..... 55               |
| 401, 407, 413, 419, 455,      |     | 183                            | 0701222 .....                 | 207           | 0761216..... 279              |
| 457, 459, 461, 463, 465,      |     | 0642012 .....                  | 0701634 .....                 | 19            | 0761218..... 55               |
| 467, 469, 471, 473            |     | 0642212 .....                  | 0711015 .....                 | 197           | 0761618..... 17               |
| 0100019 .....21, 45, 51, 193, |     | 0681605 .....                  | 0711018 .121, 133, 147, 165   |               | 0762016 92, 93, 96, 97, 104,  |
| 201, 219, 225, 229, 233,      |     | 0681608 .....                  | 0711020 .....                 | 197           | 108, 256                      |
| 239, 243, 247                 |     | 0681620 345, 347, 349, 351,    | 0711224 126, 140, 155, 173,   |               | 0762018..... 17               |
| 0100020 121, 126, 133, 140,   |     | 353                            | 191, 193, 195, 197, 199,      |               | 0770814..... 199              |
| 147, 155, 165, 327, 427,      |     | 0681810 .....                  | 201                           |               | 0771212..... 133              |
| 431, 435, 439, 443, 445       |     | 0682016 .....                  | 0711627 .....126, 155, 173    |               | 0771414 126, 140, 155, 173,   |
| 0100035 ..29, 313, 455, 457,  |     | 0682020 .....                  | 0711635 .....                 | 256           | 191, 193, 195, 201            |
| 459, 461, 463, 465, 467,      |     | 0682023 .....                  | 0720803 .....                 | 317           | 0771415 197, 199, 225, 233,   |
| 469, 471, 473                 |     | 0682024 .....                  | 0731005 .....                 | 59, 61        | 239, 247                      |
| 0100048 219, 229, 237, 243,   |     | 0682028 .....                  | 0741607 225, 229, 233, 237,   |               | 0771416..... 126, 155, 173    |
| 402, 408, 414, 420            |     | 0682036 .....                  | 243                           |               | 0771620..... 45               |
| 0100079 225, 229, 239, 243,   |     | 0682424 345, 347, 349, 351,    | 0760512 .....133, 147, 165    |               | 0772018.. 45, 121, 133, 147,  |
| 423, 425, 429, 433, 437,      |     | 353                            | 0760606 ..37, 217, 219, 223,  |               | 165                           |
| 441                           |     | 0700408 425, 427, 429, 431,    | 225, 229, 233, 239, 243,      |               | 0860038 225, 229, 239, 243,   |
| 0100081 ..... 271, 335        |     | 433, 435, 437, 439, 441,       | 247                           |               | 423                           |
| 0140011 ..... 313             |     | 443, 445                       | 0760607 .....140              |               | 0861538..... 239, 243         |
| 0140043 .401, 407, 413, 419   |     | 0700412 .402, 408, 414, 420    | 0760608 ..89, 113, 225, 229,  |               | 0861572..... 247              |
| 0257195 ..... 630             |     | 0700610 .... 67, 69, 217, 223, | 233, 237, 239, 243, 247,      |               | 0861731 435, 439, 443, 445,   |
| 0272254 ..... 339             |     | 311, 591, 593, 595, 597,       | 401, 407, 413, 419            |               | 551, 553, 555                 |
| 0272418 ..... 335             |     | 599, 601, 603, 605, 607,       | 0760610 ..99, 101, 126, 137,  |               | 0861781 .427, 431, 547, 549   |
| 0272435 ..... 241, 245        |     | 609                            | 140, 155, 173, 233, 237,      |               | 0861880..... 479, 481         |
| 0272448 ..... 619             |     | 0700612 .....311               | 256, 423, 451, 453            |               | 0902888 225, 229, 239, 243,   |
| 0272521 ..... 337             |     | 0700614 .121, 133, 147, 165    | 0760612 ..59, 123, 151, 169,  |               | 247                           |
| 0272588 ..... 617             |     | 0700615 ..... 111              | 211, 215, 401, 407, 413,      |               | 0940088..... 59               |
| 0272589 ..... 248             |     | 0700616 ..... 113              | 419                           |               | 0940102..... 335              |
| 0272725 ..... 632             |     | 0700618 425, 429, 433, 437,    | 0760614 ....83, 85, 209, 213, |               | 0961845 283, 287, 291, 295,   |
| 0272733 ..... 632             |     | 441                            | 261                           |               | 297, 299, 303, 305, 307       |
| 0275216 ..... 425, 547        |     | 0700619 ..99, 101, 401, 407,   | 0760619 .....155, 173         |               | 0961947..... 265, 267, 269    |
| 0275217 ..... 429, 549        |     | 413, 419                       | 0760807 .....273              |               | 0961948..... 261, 359         |
| 0275452 ..... 433, 551        |     | 0700626 457, 459, 461, 463,    | 0760808 .....61, 179          |               | 0961950..... 357              |
| 0275453 ..... 437, 553        |     | 465, 469, 471, 473             | 0760810 .140, 156, 173, 279   |               | 0961951 126, 140, 155, 173,   |
| 0275454 ..... 441, 555        |     | 0700812 201, 401, 407, 413,    | 0760812 ..99, 101, 115, 140,  |               | 261                           |
| 0400075 ..... 67, 69          |     | 419                            | 455, 457, 459, 461, 463,      |               | 0962033..... 261              |
| 0440162 .121, 133, 147, 165   |     | 0700818 455, 457, 459, 461,    | 465, 467, 469, 471, 473,      |               | 0962051..... 205, 207         |
| 0440233 ..... 51              |     | 463, 465, 467, 469, 471,       | 477                           |               | 0962102..... 17               |
| 0480124 ..... 217, 223        |     | 473                            | 0760814 140, 155, 173, 217,   |               | 0962272..... 365              |
| 0561508 ..... 261             |     | 0700819 225, 229, 239, 243,    | 219, 223, 271                 |               | 0962335..... 265, 267         |
| 0630518 337, 339, 341, 402,   |     | 247, 465, 469, 471, 473        | 0760815 .....126              |               | 0962336..... 363              |
| 408, 414, 420                 |     | 0700822 455, 457, 459, 461,    | 0760816 .....126, 156, 173    |               | 0962422..... 365              |
| 0630568 ..... 313             |     | 463, 465, 467, 469, 471,       | 0761009 ..41, 261, 271, 273,  |               | 0962423..... 256, 261         |
| 0630613 .....92, 96, 104, 108 |     | 473                            | 277, 455, 457, 459, 461,      |               | 0962449..... 223              |
| 0641404 ..... 333             |     | 0700823 .....271               | 463, 465, 467, 469, 471,      |               | 0962520 225, 229, 233, 237,   |
| 0641405 ..... 313, 333        |     | 0701010 .401, 407, 413, 419    | 473                           |               | 239, 243, 247                 |
| 0641406 .....89, 133, 309     |     | 0701012 ..... 19, 92, 96, 104, | 0761010 .....261              |               | 1001026127... 121, 147, 165   |
| 0641408 ..... 99, 101         |     | 108, 121, 133, 147, 165        | 0761011 .....261              |               | 1001080996.. 402, 408, 414,   |
| 0641409 ..... 111, 113        |     | 0701013 .....261               | 0761012 217, 223, 261, 265,   |               | 420                           |
| 0641414 ..... 313, 331        |     | 0701014 .....311               | 267                           |               | 1001091102.... 87, 402, 408,  |
| 0641416 427, 431, 435, 439,   |     | 0701015 ..... 59, 61, 147, 165 |                               |               | 414, 420, 451, 453            |
| 443, 445                      |     | 0701016 ..... 92, 96, 104, 108 |                               |               | 1001095704..... 577, 626      |

## SECTION 11 - SPECIAL OPTIONS

|                              |                              |                             |                             |
|------------------------------|------------------------------|-----------------------------|-----------------------------|
| 1001096070 ... 233, 237, 481 | 1001116846.....597, 613      | 1001130220 83, 85, 89, 121, | 1001140564 ...141, 156, 174 |
| 1001096456.....19            | 1001116848.....595           | 133, 147, 165, 226, 229,    | 1001141304 ...141, 156, 174 |
| 1001096653.....21            | 1001116849.....597           | 233, 237, 240, 243, 248,    | 1001141694 .....126         |
| 1001097051.....561           | 1001116850.....595           | 256, 401, 407, 413, 419     | 1001141814 .....233, 247    |
| 1001097150 ... 479, 481, 483 | 1001116851.....597           | 1001130492.....614          | 1001141995 .....126         |
| 1001097586.....19            | 1001116852.....595           | 1001131269..591, 593, 595,  | 1001142501 ...133, 147, 165 |
| 1001098122.....327, 541      | 1001116952...513, 517, 522   | 597, 599, 601, 603, 605     | 1001142504 .....632         |
| 1001098764.....156           | 1001116983.....527           | 1001133245.....367          | 1001142505 .....632         |
| 1001098828.....279           | 1001116994.....545           | 1001133714..513, 518, 521,  | 1001142643 ...230, 237, 244 |
| 1001099366.....335           | 1001117025.....511           | 525                         | 1001142646 .....230, 244    |
| 1001099367.....335           | 1001117106.....577           | 1001133715..513, 518, 521,  | 1001142683 .....83, 85, 626 |
| 1001099869.....223           | 1001117107...513, 517, 522   | 525                         | 1001142736 .....83, 85, 569 |
| 1001100234.....223           | 1001117110.....578           | 1001133759.....57, 626      | 1001142938 ...509, 518, 521 |
| 1001100321.....223           | 1001117140.....117           | 1001133956...514, 517, 522  | 1001142940 ..509, 513, 518, |
| 1001100341.....547           | 1001117172.....327           | 1001133957...514, 517, 522  | 521                         |
| 1001100342.....549           | 1001117174...313, 327, 627   | 1001134488...141, 155, 174  | 1001142941 ..509, 513, 514, |
| 1001100345.....551           | 1001117307.....104, 108      | 1001134543.....45           | 518, 521, 522               |
| 1001100346.....555           | 1001117308...141, 155, 174,  | 1001135138.....155, 174     | 1001143390 .....126         |
| 1001100347.....553           | 626                          | 1001135488.....261          | 1001143645 ..455, 457, 459, |
| 1001101422.....633           | 1001118274...401, 407, 413,  | 1001135650..513, 518, 521,  | 461, 463, 465, 467, 469,    |
| 1001101540 ..401, 407, 413,  | 419                          | 525                         | 471, 473                    |
| 419                          | 1001118378.....541, 577      | 1001135651...513, 518, 521  | 1001143797 .....141         |
| 1001102978.....205, 207      | 1001118384.....565           | 1001135679.....155, 174     | 1001143852 .....613         |
| 1001103012.....495, 578      | 1001118388.....563, 565      | 1001136356...225, 237, 239  | 1001143907 .....141         |
| 1001104029..225, 229, 240,   | 1001118972.....21, 121, 133, | 1001136400.....271          | 1001144147 .....505, 578    |
| 243, 248                     | 147, 165                     | 1001136402.....271          | 1001144433 .....331         |
| 1001104498.....495           | 1001119020.....569           | 1001136461.....271          | 1001144629 ..285, 289, 293, |
| 1001106736..402, 408, 414,   | 1001119032.....577           | 1001136571.....261          | 297, 301, 305               |
| 420                          | 1001119051...121, 133, 147,  | 1001136575.....261          | 1001146368 .....126, 129    |
| 1001107854.....578           | 165                          | 1001136583.....261          | 1001146588 ..133, 141, 455, |
| 1001109259.....630           | 1001119280...217, 219, 223   | 1001136587.....261          | 457, 459, 461, 463, 465,    |
| 1001109692.....631           | 1001119455.....374           | 1001136590.....262          | 467, 469, 471, 473          |
| 1001110133.....631           | 1001119619.....559           | 1001136834...141, 155, 174  | 1001147264 ...514, 517, 522 |
| 1001110434.....313           | 1001119620.....557, 561      | 1001136975..121, 133, 147,  | 1001147923 .....475         |
| 1001110872.....447, 449      | 1001120204.....455, 457      | 165                         | 1001148106 .....495         |
| 1001110873..225, 229, 240,   | 1001120205.....455, 457      | 1001137005.....633          | 1001148138 .....220         |
| 243, 423                     | 1001120328...331, 333, 401,  | 1001137125.....277          | 1001148607 .....59, 61      |
| 1001112551.....607           | 407, 413, 419, 585           | 1001137276...141, 155, 174  | 1001148650 .....261         |
| 1001112612.....569, 577      | 1001120466.....631           | 1001137673.....331, 627     | 1001148675 .....447, 449    |
| 1001112796.....505, 569      | 1001120467.....631           | 1001138173.....126          | 1001148841 .....525         |
| 1001113047.....113           | 1001120851.....529           | 1001138175.....126          | 1001148842 .....525         |
| 1001113961.....577           | 1001120989.....613           | 1001138228..141, 155, 174,  | 1001148902 .....630         |
| 1001116208.....613           | 1001120992.....613           | 627                         | 1001148903 .....630         |
| 1001116290.....111, 113      | 1001121172.....578           | 1001138248..127, 141, 156,  | 1001148904 .....630         |
| 1001116548.....17            | 1001125387.....613           | 174                         | 1001148905 .....630         |
| 1001116693.....541           | 1001125492.....45            | 1001138436.....261          | 1001148906 .....631         |
| 1001116694.....583           | 1001125677.....542, 578      | 1001138459.....256          | 1001148971 .....631         |
| 1001116695.....541           | 1001126009.....565           | 1001138494..287, 291, 295,  | 1001149452 .....185         |
| 1001116697.....495           | 1001126351...514, 517, 522   | 297, 299, 303, 305, 307     | 1001149469 .....185         |
| 1001116720.....563           | 1001126362...513, 518, 521   | 1001138514..287, 291, 295,  | 1001150611 .....495, 581    |
| 1001116727.....513           | 1001126363...513, 518, 521   | 299, 303, 307               | 1001151192 .....271         |
| 1001116728.....513           | 1001126364...513, 514, 518,  | 1001138565.....233          | 1001151393 .....75, 77      |
| 1001116731.....505           | 521                          | 1001138566..226, 229, 233,  | 1001151856 .....518         |
| 1001116732.....511, 529      | 1001126365.....513, 518      | 237                         | 1001152266 .....583         |
| 1001116733.....581           | 1001126391...513, 518, 521   | 1001138827...141, 155, 174  | 1001152429 ...240, 248, 535 |
| 1001116734...511, 529, 581   | 1001126392...513, 518, 521   | 1001139078.....271          | 1001152456 .....226, 230    |
| 1001116748..485, 495, 567,   | 1001126485.....514, 521      | 1001139099.....631          | 1001152457 .....226, 230    |
| 585                          | 1001126487.....514, 521      | 1001139357.....226, 233     | 1001152479 .....627         |
| 1001116774.....569           | 1001127624...401, 407, 413,  | 1001139384....99, 101, 111, | 1001152482 .....627         |
| 1001116792..455, 457, 459,   | 419                          | 113                         | 1001152483 .....483         |
| 461, 463, 465, 467, 469,     | 1001128128...511, 567, 581   | 1001139654.....613          | 1001152486 .....453, 483    |
| 471, 473                     | 1001128527.....341           | 1001139819.....126          | 1001152489 ...141, 156, 174 |
| 1001116808.....569           | 1001128556.....341           | 1001140346.....229          | 1001152520 .....248         |
| 1001116812...495, 513, 521   | 1001129408.....499           | 1001140347.....237          | 1001152525 ..226, 230, 240, |
| 1001116815...501, 503, 514,  | 1001129555.....626           | 1001140429..283, 287, 291,  | 244, 248                    |
| 522, 578                     | 1001129858.....225           | 295, 297, 299, 303, 305,    | 1001152530 .....226, 230    |
| 1001116845.....595           |                              | 307                         |                             |

## SECTION 11 - SPECIAL OPTIONS

|                                                                     |                                              |                                                                     |                                                   |
|---------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------|
| 1001152532...226, 230, 234,<br>237, 531                             | 1001168166... 127, 156, 174                  | 1001181797 .....33, 35                                              | 100118819493, 97, 104, 108                        |
| 1001152595..... 495                                                 | 1001168402 .....279                          | 1001181899 .....156, 174                                            | 1001188236..... 126, 511                          |
| 1001153197..... 226                                                 | 100116904692, 96, 111, 113                   | 1001181923 ..455, 457, 459,<br>461, 463, 465, 467, 469,<br>471, 473 | 1001188302..... 273                               |
| 1001153260..... 226, 230                                            | 1001169138... 141, 156, 174                  | 1001181962 .....265, 267                                            | 1001188534.. 401, 407, 413,<br>419, 489           |
| 1001153398..... 261                                                 | 1001169582 .....53                           | 1001182046 .....265, 267                                            | 1001188535... 126, 156, 174                       |
| 1001154405...134, 147, 165                                          | 1001169967 ..... 156, 174                    | 1001182361 ..514, 517, 522                                          | 1001188622..... 279                               |
| 1001154726..... 529                                                 | 1001170035..... 156, 174                     | 1001182365 ..514, 517, 522                                          | 1001188664..... 67, 69                            |
| 1001155043..... 71, 73                                              | 1001170764... 513, 521, 545                  | 1001182570 .....277, 627                                            | 1001188666..... 67, 69                            |
| 1001155044.....71, 73, 265,<br>267, 313                             | 1001170847 ..... 277, 627                    | 1001182694 .....19                                                  | 1001188667 .....121                               |
| 1001155045.....71, 73, 265,<br>267, 313, 626                        | 1001170981 ..... 141                         | 1001182697 .....19                                                  | 1001188668... 134, 147, 165                       |
| 1001155094...121, 133, 147,<br>165                                  | 1001171131 .....447                          | 1001182806 .....89                                                  | 1001188669... 134, 147, 165                       |
| 1001155441..... 277                                                 | 1001171482 ..... 71, 73                      | 1001183407 .....631                                                 | 1001188670 .....121                               |
| 1001155743..... 583                                                 | 1001171953 .....137                          | 1001183926 .....256                                                 | 1001188844..... 279                               |
| 1001155823...133, 147, 165                                          | 1001172064 ..... 509, 517                    | 1001184327 .....108                                                 | 1001189001..... 279                               |
| 1001156107..... 133, 141                                            | 1001172065... 509, 517, 627                  | 1001184727 .....35                                                  | 1001189002..... 279                               |
| 1001156549..... 19                                                  | 1001172760 .....313                          | 1001184728 .....35                                                  | 1001189003.. 401, 407, 413,<br>419, 575           |
| 1001157520..... 240, 244                                            | 1001173703 .....614                          | 1001184881 .....35                                                  | 1001189005.. 401, 407, 413,<br>419, 485           |
| 1001157521...240, 244, 248                                          | 1001174040 .....279                          | 1001184913 .....262                                                 | 1001189026... 126, 156, 174                       |
| 1001157525..... 248                                                 | 1001174231 .....256                          | 1001184915 .....262                                                 | 1001189067 ..... 92, 96                           |
| 1001157528...240, 244, 248                                          | 1001174250 .....256                          | 1001184917 .....262                                                 | 1001189119 ..... 59, 61                           |
| 1001157592..... 240, 244                                            | 1001174251 .....256                          | 1001184957 .....256, 359                                            | 1001189161 .....126                               |
| 1001158007...240, 244, 248                                          | 1001174252 .....256                          | 1001185596 .....33                                                  | 1001189170 .....630                               |
| 1001158008...226, 230, 240,<br>245, 248                             | 1001174253 .....256                          | 1001185597 .....35                                                  | 1001189171 .....483                               |
| 1001158363..... 226, 230                                            | 1001174254 .....256                          | 1001185726 .....313, 627                                            | 1001189172 .....483                               |
| 1001159118..... 447, 449                                            | 1001174256 .....256                          | 1001185842 .....45                                                  | 1001189227 ..... 191, 195                         |
| 1001159119..... 447, 449                                            | 1001174486 ..... 121, 185                    | 1001186186 .....96                                                  | 1001189615 .....631                               |
| 1001159120..... 447, 449                                            | 1001174630 .....271                          | 1001186346 .....67                                                  | 1001189738 .....61                                |
| 1001159121..... 449                                                 | 1001174631 .....271                          | 1001186375 .....287                                                 | 1001189859 .....262                               |
| 1001159162...401, 407, 413,<br>419                                  | 1001174632 .....271                          | 1001186377 .....291                                                 | 1001189913 ..... 156, 174                         |
| 1001159186..... 537, 541                                            | 1001174673 92, 96, 99, 101,<br>271           | 1001186379 .....295                                                 | 1001189979... 141, 156, 174                       |
| 1001159256..... 313, 626                                            | 1001175073 ..... 205, 207                    | 1001186382 .....303                                                 | 1001190164... 126, 156, 174                       |
| 1001159323..... 609                                                 | 1001175074 .....207                          | 1001186383 .....301                                                 | 1001190194 ..... 19                               |
| 1001160500..... 495                                                 | 1001175568 ..... 147, 165                    | 1001186384 .....293                                                 | 1001190286 ..... 273, 275                         |
| 100116050593, 97, 104, 108                                          | 1001175998 .....262                          | 1001186386 .....289                                                 | 1001190338 ..... 92, 96                           |
| 1001161097..... 495                                                 | 1001175999 .....262                          | 1001186387 .....285                                                 | 1001190441 .....433                               |
| 1001161098..... 495                                                 | 1001176208 .....262                          | 1001186426 ..141, 156, 174                                          | 1001190442 ..... 156, 174                         |
| 1001161101..... 495                                                 | 1001176212 .....262                          | 1001186431 .....331, 627                                            | 1001190444.. 133, 147, 165,<br>527                |
| 1001161709..... 313, 626                                            | 1001176216 .....262                          | 1001186432 .....563, 565                                            | 1001190484 .....437                               |
| 1001161957..... 495                                                 | 1001176217 ..... 256, 261                    | 1001186517 .....331                                                 | 1001190485 .....441                               |
| 1001161963..... 495                                                 | 1001176469 .....77                           | 1001186541 .....262                                                 | 1001190493 .....425                               |
| 1001164726..... 111, 113                                            | 1001176511 ..... 141                         | 1001186812 .....151, 155                                            | 1001190495 .....429                               |
| 1001165035...121, 133, 147,<br>165                                  | 1001176636.. 459, 461, 463,<br>471           | 1001186816 .....123, 126                                            | 1001190580... 265, 267, 269                       |
| 1001165388..... 127                                                 | 1001176848 ..... 19                          | 1001186980 .....205                                                 | 1001190773 .....423                               |
| 1001166538..... 313, 321                                            | 1001176862 .....447                          | 1001186981 .....205                                                 | 1001190774 .....451                               |
| 1001166539..... 313, 323                                            | 1001177359... 141, 156, 174                  | 1001187022 .....53                                                  | 1001190921 ..... 577, 578                         |
| 1001166716..... 156, 174                                            | 1001177844 ..... 156, 174                    | 1001187077 .....578, 581                                            | 1001190942... 141, 156, 174                       |
| 1001166718...141, 193, 201                                          | 1001178057 ..... 59, 63                      | 1001187078 .....578                                                 | 1001190985 ..... 279                              |
| 1001166894..... 205, 207                                            | 1001178951 .....631                          | 1001187082 .....126                                                 | 1001191020 .....277                               |
| 1001166924..... 141                                                 | 1001179154.. 226, 230, 240,<br>244           | 1001187200 ..401, 407, 413,<br>419, 627                             | 1001191025 ..... 156, 174                         |
| 1001167042..... 156, 174                                            | 1001179837 .....219                          | 1001187382 .....279                                                 | 1001191048 .....262                               |
| 1001167164...209, 211, 213,<br>215                                  | 1001179903 ..... 141                         | 1001187383 .....279                                                 | 1001191126 ..... 71                               |
| 1001167565..... 279                                                 | 1001180001 .....219                          | 1001187521 .....21, 31                                              | 1001191156 .....187                               |
| 1001167567..... 279                                                 | 1001180620... 19, 141, 156,<br>174, 179, 317 | 1001187606 .....277                                                 | 1001191202 .....262                               |
| 1001167596..... 279                                                 | 1001180885 .....256                          | 1001187674 .....329                                                 | 1001191205 .....262                               |
| 1001167632..... 521                                                 | 1001181045... 479, 481, 627                  | 1001187681 .....559                                                 | 1001191271 .....127                               |
| 1001167635..... 514, 521                                            | 1001181145 .....630                          | 1001187808 .....67, 69                                              | 1001191273 .....189                               |
| 1001168018...126, 141, 156,<br>174, 191, 193, 195, 197,<br>199, 201 | 1001181243 .....220                          | 1001187855 .....45, 48                                              | 1001191384 .....261                               |
|                                                                     | 1001181790 ..... 19                          | 100118795092, 96, 104, 108                                          | 1001191385 .....261                               |
|                                                                     | 1001181791 ..... 19                          | 1001187951 ..92, 93, 96, 97,<br>104, 108                            | 1001191395 .....631                               |
|                                                                     | 1001181795 .....33                           | 1001187953 .....55                                                  | 1001191557 .....81                                |
|                                                                     | 1001181796 .....33                           | 1001188125 .....51                                                  | 1001191610.. 127, 156, 174,<br>191, 195, 197, 199 |
|                                                                     |                                              | 100118818793, 97, 104, 108                                          | 1001191620 .....141                               |

## SECTION 11 - SPECIAL OPTIONS

|                                                                          |                                                                     |                                                                     |                                                                     |
|--------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| 1001191856.....197                                                       | 1001195235..... 630                                                 | 1001203430.....375                                                  | 1001211761 .....113                                                 |
| 1001192008.....199                                                       | 1001195237..... 631                                                 | 1001203431.. 121, 134, 148,<br>166                                  | 1001211767 .....111                                                 |
| 1001192012.....67, 69                                                    | 1001195304..... 631                                                 | 1001203432.. 121, 134, 148,<br>166                                  | 1001211773 .....111                                                 |
| 1001192027.....256                                                       | 1001195455.....92, 96, 99                                           | 1001203433.. 121, 134, 148,<br>166                                  | 1001211774 ..104, 108, 111                                          |
| 1001192052.....256                                                       | 1001195483..... 623                                                 | 1001203495..... 179                                                 | 1001212223 .....243                                                 |
| 1001192278.....243                                                       | 1001195490..... 623                                                 | 1001203719..... 262                                                 | 1001212333 .....104, 108                                            |
| 1001192279.....229                                                       | 1001195491..... 621                                                 | 1001203885... 126, 156, 174                                         | 1001212415 .....626                                                 |
| 1001192280.....219                                                       | 1001195525.....455, 457                                             | 1001204251..... 99                                                  | 1001213447 .....541                                                 |
| 1001192284.....187                                                       | 1001195763..... 187                                                 | 1001204303..... 101                                                 | 1001213543 .....92, 96                                              |
| 1001192400... 141, 156, 174                                              | 1001196367...459, 461, 463,<br>465                                  | 1001204325..... 141                                                 | 1001213744 .....92, 96                                              |
| 1001192401.....578                                                       | 1001196368...459, 461, 463,<br>465                                  | 1001204645..... 375                                                 | 1001213794 .....92, 96                                              |
| 1001192442.....195                                                       | 1001196382...201, 219, 226,<br>230, 234, 240, 244, 248              | 1001204690.. 455, 457, 459,<br>461, 463, 465, 467, 469,<br>471, 473 | 1001213882 .....313                                                 |
| 1001192443.....191                                                       | 1001196398...121, 133, 147,<br>165                                  | 1001204715..... 277                                                 | 1001214030 .....614                                                 |
| 1001192475.....630                                                       | 1001196602..... 577                                                 | 1001204725..... 279                                                 | 1001214095 ..459, 461, 463,<br>465                                  |
| 1001192482.....631                                                       | 1001196604.....577, 578                                             | 1001204939..... 277                                                 | 1001214096 ..459, 461, 463,<br>465                                  |
| 1001192483.....239                                                       | 1001196634...203, 507, 577,<br>626                                  | 1001205020..... 630                                                 | 1001214408 .....374                                                 |
| 1001192484.....225                                                       | 1001196636...577, 583, 626                                          | 1001205021..... 630                                                 | 1001214570 .....477                                                 |
| 1001192485.....217                                                       | 1001197016..... 633                                                 | 1001205492..... 633                                                 | 1001214571 .....477                                                 |
| 1001192486.....247                                                       | 1001197268..... 209                                                 | 1001205824..... 374                                                 | 1001214831 .....627                                                 |
| 1001192487.....233                                                       | 1001197269..... 213                                                 | 1001205923.. 401, 407, 413,<br>419, 539                             | 1001216015 .....220                                                 |
| 1001192488.....223                                                       | 1001197389..... 209                                                 | 1001205957..... 197                                                 | 1001216060 ..591, 593, 595,<br>597, 599, 601, 603, 605,<br>607, 609 |
| 1001192489.....630                                                       | 1001197408..... 613                                                 | 1001205958... 435, 439, 443                                         | 1001216630 .....279                                                 |
| 1001192610.....631                                                       | 1001197719.....513, 521                                             | 1001206082.. 401, 407, 413,<br>419, 487                             | 1001217055 .....633                                                 |
| 1001192641.....375                                                       | 1001197725...127, 156, 174                                          | 100120631492, 96, 104, 108                                          | 1001218539 .....79                                                  |
| 1001192651.....375                                                       | 1001199035..... 335                                                 | 1001206476..... 477                                                 | 1001219138 .....104, 108                                            |
| 1001192654.....375                                                       | 1001199095..... 630                                                 | 1001206532..... 314                                                 | 1001219601 ..401, 407, 413,<br>419, 627                             |
| 1001192655.....375                                                       | 1001199883..... 59, 61                                              | 1001206816..... 613                                                 | 1001220266 .....133                                                 |
| 1001192667.....375                                                       | 1001199933..... 59, 61                                              | 1001208874..... 41                                                  | 1001220379 .....517                                                 |
| 1001192669.....375                                                       | 1001200128..... 630                                                 | 1001208994..... 279                                                 | 1001220903 .....374                                                 |
| 1001192690.. 121, 134, 148,<br>166                                       | 1001200129..... 630                                                 | 1001209016..... 199                                                 | 1001220912 .....375                                                 |
| 1001192693.....374                                                       | 1001200130..... 630                                                 | 1001209432..... 477                                                 | 1001221016 .....374                                                 |
| 1001192694.....374                                                       | 1001200131..... 630                                                 | 1001209474..... 477                                                 | 1001222522 .....374                                                 |
| 1001192695.....375                                                       | 1001200132..... 630                                                 | 1001209664..... 331                                                 | 1001223045 .....527                                                 |
| 1001192696.....375                                                       | 1001200133..... 630                                                 | 1001209948.. 455, 457, 459,<br>461, 463, 465, 467, 469,<br>471, 473 | 1001223055 .....591                                                 |
| 1001192698.....375                                                       | 1001200134..... 630                                                 | 1001209949.. 455, 457, 459,<br>461, 463, 465, 467, 469,<br>471, 473 | 1001223453 .....591, 599                                            |
| 1001192699.....375                                                       | 1001200435..... 126                                                 | 1001209951.. 455, 457, 459,<br>461, 463, 465, 467, 469,<br>471, 473 | 1001223459 ..514, 518, 521                                          |
| 1001192841 .....92, 96                                                   | 1001200491..... 279                                                 | 1001209953.. 455, 457, 459,<br>461, 463, 465, 467, 469,<br>471, 473 | 1001223971 .....599                                                 |
| 1001193018.. 425, 427, 429,<br>431, 433, 435, 437, 439,<br>441, 443, 445 | 1001200494..... 279                                                 | 1001209957.. 455, 457, 459,<br>461, 463, 465, 467, 469,<br>471, 473 | 1001224048 .....603                                                 |
| 1001193049..... 156, 174                                                 | 1001200731...121, 147, 165                                          | 1001210823..... 380                                                 | 1001224049 .....605                                                 |
| 1001193167... 217, 220, 223                                              | 1001200745.....156, 174                                             | 1001211049..... 453                                                 | 1001224050 .....597                                                 |
| 1001193169.....99                                                        | 1001200931..... 495                                                 | 1001211139..... 380                                                 | 1001224051 .....595                                                 |
| 1001193208..... 455, 457                                                 | 1001201090...455, 457, 459,<br>461, 463, 465, 467, 469,<br>471, 473 | 1001211366..... 633                                                 | 1001224052 .....593                                                 |
| 1001193215.....630                                                       | 1001201255..... 374                                                 | 1001211577..... 627                                                 | 1001224053 .....601                                                 |
| 1001193760.....92, 96                                                    | 1001201325..... 59, 61                                              | 1001211579..... 277, 627                                            | 1001224200 .....185                                                 |
| 1001193927.....374                                                       | 1001201342...455, 457, 459,<br>461, 463, 465, 467, 469,<br>471, 473 | 1001211581..... 277                                                 | 1001224967 .....185                                                 |
| 1001193928.....374                                                       | 1001201351..... 279                                                 | 1001211582..... 277                                                 | 1001225346 .....477                                                 |
| 1001193929.....374                                                       | 1001201484..... 41                                                  | 1001211584..... 277                                                 | 1001225430 .....160, 627                                            |
| 1001193930.....374                                                       | 1001201511..... 273                                                 | 1001211587..... 277                                                 | 1001225431 .....160, 627                                            |
| 1001194045.....630                                                       | 1001201843.....127, 191                                             | 1001211588..... 277                                                 | 1001225580 .....331, 563                                            |
| 1001194114... 217, 220, 223,<br>529                                      | 1001201844..... 127                                                 | 1001211760..... 113                                                 | 1001226304 .....471, 473                                            |
| 1001194197.....435                                                       | 1001202333.....111, 113                                             |                                                                     | 1001226400 .....489                                                 |
| 1001194198.....439                                                       | 1001202687..... 279                                                 |                                                                     | 1001226531 .....477                                                 |
| 1001194200.....443                                                       | 1001202749..... 631                                                 |                                                                     | 1001226541 .....505, 578                                            |
| 1001194203.....427                                                       | 1001202936...455, 457, 459,<br>461, 463, 465, 467, 469,<br>471, 473 |                                                                     | 1001226636 .....505                                                 |
| 1001194204.....431                                                       | 1001203424..... 375                                                 |                                                                     | 1001226637 .....505                                                 |
| 1001194236..... 607, 609                                                 | 1001203426..... 374                                                 |                                                                     | 1001226739 ..499, 501, 503,<br>505                                  |
| 1001194365.....445                                                       |                                                                     |                                                                     | 1001226799 .....501, 503                                            |
| 1001194888..... 111                                                      |                                                                     |                                                                     | 1001226872 .....283                                                 |
| 1001194957..... 467, 469                                                 |                                                                     |                                                                     | 1001227075 .....471, 473                                            |
| 1001194962..... 471, 473                                                 |                                                                     |                                                                     | 1001227367 .....99, 101                                             |
| 1001195226.. 459, 461, 463,<br>465                                       |                                                                     |                                                                     | 1001227404 .....499                                                 |
| 1001195228..... 455, 457                                                 |                                                                     |                                                                     |                                                                     |

## SECTION 11 - SPECIAL OPTIONS

|                                                               |          |                                      |          |                                     |          |                                                               |          |
|---------------------------------------------------------------|----------|--------------------------------------|----------|-------------------------------------|----------|---------------------------------------------------------------|----------|
| 1001227507.....                                               | 527      | 1001234281.....                      | 213      | 1001238421.....                     | 279      | 1001241641.....                                               | 381      |
| 1001227527...401, 407, 413, 419                               |          | 1001234283.....                      | 213      | 1001238463.....                     | 351      | 1001241729.....                                               | 115      |
| 1001227633.....                                               | 329      | 1001234299.....                      | 213      | 1001238472.....                     | 333      | 1001241965.....                                               | 333      |
| 1001227634.....                                               | 329      | 1001234370.....                      | 209      | 1001238495.....                     | 331      | 1001242578.....                                               | 475, 495 |
| 1001227788...402, 408, 414, 420, 626                          |          | 1001234371.....                      | 209      | 1001238559.....                     | 333      | 1001242590.....                                               | 495      |
| 1001227792.....                                               | 277      | 1001234396.....                      | 127      | 1001238622.....                     | 183      | 1001242639.....                                               | 630      |
| 1001227985.....                                               | 329      | 1001234800.....                      | 517, 521 | 1001238623..402, 408, 414, 420, 627 |          | 1001242908.. 402, 408, 414, 420, 491                          |          |
| 1001227987.....                                               | 329      | 1001234979.....                      | 147      | 1001238663.....                     | 69       | 1001243042.....                                               | 313      |
| 1001227996.....                                               | 557, 561 | 1001234980.....                      | 121      | 1001238898.....                     | 634      | 100124317192, 96, 104, 108                                    |          |
| 1001228177.....                                               | 256      | 1001234989.....                      | 401, 407 | 1001238904.....                     | 631      | 1001243184.....                                               | 630      |
| 1001228187.....                                               | 467, 469 | 1001234991.....                      | 41, 273  | 1001238906.....                     | 631      | 100124341492, 96, 104, 108                                    |          |
| 1001228188.....                                               | 467, 469 | 1001234994.....                      | 374      | 1001238907.....                     | 634      | 1001243464.....                                               | 83       |
| 1001228215.....                                               | 283      | 1001234999.....                      | 75       | 1001238929.....                     | 631      | 1001243465.....                                               | 85       |
| 1001228224.....                                               | 329, 627 | 1001235532... 134, 147, 165          |          | 1001238954.....                     | 59, 61   | 1001243522.....                                               | 96, 108  |
| 1001228225.....                                               | 329, 627 | 1001235699.....                      | 121      | 1001238957.....                     | 631      | 1001243654.....                                               | 92, 96   |
| 1001228226.....                                               | 375      | 1001235884.....                      | 630      | 1001238961.....                     | 631      | 1001243682.....                                               | 89, 587  |
| 1001228243.....                                               | 305      | 1001236121.....                      | 205, 207 | 1001239017.....                     | 380      | 1001243719.....                                               | 19       |
| 1001228375.....                                               | 307      | 1001236303.....                      | 69       | 1001239020.....                     | 380      | 1001243895.....                                               | 203      |
| 1001228376.....                                               | 297      | 1001236304.....                      | 477      | 1001239022.....                     | 380      | 1001244023.....                                               | 207      |
| 1001228377.....                                               | 299      | 1001236347.. 401, 407, 413, 419, 495 |          | 1001239023.....                     | 380      | 1001244025.....                                               | 207      |
| 1001228406.....                                               | 185      | 1001236349.. 401, 407, 413, 419, 475 |          | 1001239025.....                     | 380      | 1001244119.....                                               | 211      |
| 1001228580.....                                               | 633      | 1001236355.....                      | 19       | 1001239028.....                     | 380      | 1001244120.....                                               | 211      |
| 1001228809.....                                               | 455, 457 | 1001236356.....                      | 19       | 1001239032.....                     | 380      | 1001244121.....                                               | 211      |
| 1001228947.....                                               | 503      | 1001236357.....                      | 19       | 1001239034.....                     | 380      | 1001244122.....                                               | 211      |
| 1001228954.....                                               | 503      | 1001236358.....                      | 19       | 1001239035.....                     | 380      | 1001244123.....                                               | 211, 215 |
| 1001228988...341, 617, 619                                    |          | 1001236358.....                      | 19       | 1001239039.....                     | 380      | 1001244462.....                                               | 87       |
| 1001229020.....                                               | 335      | 1001236360.....                      | 19, 626  | 1001239041.....                     | 380      | 1001244464.....                                               | 215      |
| 1001229082.....                                               | 335      | 1001236425.....                      | 183      | 1001239043.....                     | 380      | 1001244468.....                                               | 215      |
| 1001229091.....                                               | 156, 174 | 1001236432.. 401, 407, 413, 419      |          | 1001239045.....                     | 380      | 1001244469.....                                               | 215      |
| 1001229341.....                                               | 329      | 1001236499.....                      | 126      | 1001239048.....                     | 380      | 1001244470.....                                               | 215      |
| 1001229637...455, 457, 459, 461, 463, 465, 467, 469, 471, 473 |          | 1001236504.....                      | 477      | 1001239049.....                     | 380      | 1001244508.....                                               | 137      |
| 1001230635...141, 155, 174                                    |          | 1001236505.....                      | 477      | 1001239202.....                     | 513, 521 | 1001244537.....                                               | 630      |
| 1001230931...485, 567, 585                                    |          | 1001236552.....                      | 333      | 1001239207.....                     | 151, 169 | 1001244726.....                                               | 591      |
| 1001230934...514, 517, 522                                    |          | 1001236746.....                      | 353      | 1001239231.....                     | 21       | 1001244727.....                                               | 591      |
| 1001230935...514, 517, 522                                    |          | 1001236747.....                      | 349      | 1001239232.....                     | 21       | 1001244728.. 591, 593, 595, 597, 599, 601, 603, 605, 607, 609 |          |
| 1001230936...514, 517, 522                                    |          | 1001236891.. 345, 347, 349, 351, 353 |          | 1001239268..402, 408, 414, 420, 567 |          | 1001244729.. 591, 593, 595, 597, 599, 601, 603, 605, 607, 609 |          |
| 1001231235.....                                               | 633      | 1001236895.. 345, 347, 349, 351, 353 |          | 1001239290..402, 408, 414, 420      |          | 1001244772.....                                               | 319      |
| 1001231310.....                                               | 92, 96   | 1001237212.....                      | 495      | 1001239365.....                     | 317, 627 | 1001244774.....                                               | 319      |
| 1001231422.....                                               | 607      | 1001237212.....                      | 495      | 1001239366.....                     | 313, 317 | 1001244796.....                                               | 607, 609 |
| 1001231711.....                                               | 89       | 1001237434.....                      | 19       | 1001239377..402, 408, 414, 420      |          | 1001244798.....                                               | 611      |
| 1001231801.....                                               | 613      | 1001237546.. 402, 408, 414, 420      |          | 1001239512..402, 408, 414, 420      |          | 1001244799.....                                               | 611      |
| 1001231805.....                                               | 156, 174 | 1001237667.....                      | 542, 577 | 1001239514.....                     | 365      | 1001244800.....                                               | 611      |
| 1001231949.....                                               | 353      | 1001237668.....                      | 542, 577 | 1001239515.....                     | 365      | 1001244801.....                                               | 611      |
| 1001231950.....                                               | 349, 351 | 1001237822.. 402, 408, 414, 420      |          | 1001239521.....                     | 357      | 1001244861.....                                               | 317, 319 |
| 1001231963.....                                               | 363      | 1001237862.....                      | 557, 561 | 1001239532..402, 408, 414, 420, 627 |          | 1001244866.....                                               | 319      |
| 1001232010...349, 351, 353                                    |          | 1001237863.....                      | 329, 561 | 1001239562..402, 408, 414, 420, 627 |          | 1001244868.....                                               | 319      |
| 1001232011...349, 351, 353                                    |          | 1001237864.....                      | 329, 557 | 1001239563.....                     | 189      | 1001244870.....                                               | 319      |
| 1001232164.....                                               | 329      | 1001237865.....                      | 329, 559 | 1001239598.....                     | 357      | 1001244872.....                                               | 319      |
| 1001232165.....                                               | 329      | 1001237882.....                      | 631      | 1001239601..123, 137, 151, 169, 183 |          | 1001244878.....                                               | 92, 104  |
| 1001232642.....                                               | 333      | 1001237883.....                      | 631      | 1001239710.....                     | 197      | 1001244891.....                                               | 317      |
| 1001232667.....                                               | 333, 627 | 1001237895.....                      | 117      | 1001239715.....                     | 197      | 1001244902.....                                               | 92       |
| 1001232842.....                                               | 203      | 1001238191.. 402, 408, 414, 420, 493 |          | 1001239716.....                     | 217, 223 | 1001244927.....                                               | 317      |
| 1001233035.....                                               | 631      | 1001238263.. 345, 347, 349, 351, 353 |          | 1001239956.....                     | 357      | 1001245076.....                                               | 104      |
| 1001233047.....                                               | 630      | 1001238266.....                      | 147, 151 | 1001241530.....                     | 313, 545 | 1001245271.....                                               | 319      |
| 1001233429.....                                               | 209      | 1001238267.....                      | 121, 123 | 1001241547.....                     | 633      | 1001245695.....                                               | 611      |
| 1001233763.....                                               | 203      | 1001238319.....                      | 329      | 1001241548.....                     | 633      | 1001245704.....                                               | 611      |
| 1001233895.....                                               | 156, 517 | 1001238408.. 401, 407, 413, 419, 537 |          | 1001241638.....                     | 380      | 1001245773.....                                               | 73       |
| 1001233953.....                                               | 115      | 1001238409.....                      | 313, 541 | 1001241639.....                     | 380      | 1001245775.... 73, 413, 419                                   |          |
| 1001233954.....                                               | 115      | 1001238418.....                      | 333, 565 | 1001241640.....                     | 381      | 1001245838.. 402, 408, 414, 420                               |          |
| 1001233955.....                                               | 115      |                                      |          |                                     |          | 1001245913.....                                               | 141, 525 |
| 1001233966.....                                               | 115      |                                      |          |                                     |          | 1001246142.....                                               | 630      |
| 1001233967.....                                               | 115      |                                      |          |                                     |          |                                                               |          |
| 1001234269.....                                               | 115      |                                      |          |                                     |          |                                                               |          |

## SECTION 11 - SPECIAL OPTIONS

|                             |                            |                            |                             |
|-----------------------------|----------------------------|----------------------------|-----------------------------|
| 1001246144.....501          | 1001254539.....402, 414    | 1001262322.....499         | 1001271526 ..591, 593, 595, |
| 1001246156.....375          | 1001254719.....207         | 1001262326.....499         | 597, 599, 601, 603, 605,    |
| 1001246157.....375          | 1001254878.....141         | 1001262643..591, 593, 595, | 607, 609                    |
| 1001246158.....375          | 1001254899.....201         | 597, 599, 601, 603, 605,   | 1001271642 .....632         |
| 1001246161.....375          | 1001254907.....603         | 607, 609                   | 1001271760 .....633         |
| 1001246163.....375          | 1001254908.....597         | 1001262959.....634         | 1001271888 .....632         |
| 1001246393.....75           | 1001254909.....595         | 1001263073.....631         | 1001272076 .....256, 361    |
| 1001246524.....501          | 1001254910.....593         | 1001263074.....631         | 1001272178 .....632         |
| 1001246546..591, 593, 595,  | 1001254911.....605         | 1001263129.....133, 137    | 1001272182 .....632         |
| 597, 599, 601, 603, 605,    | 1001254912.....599         | 1001263130.....133         | 1001272273 .....17, 357     |
| 607, 609, 613               | 1001254913.....601         | 1001263325.....117         | 1001272274 .....632         |
| 1001246547.....591          | 1001255083.....59          | 1001263794.....633         | 1001272299 .....17          |
| 1001246548.....609          | 1001255090.....61          | 1001263795.....633         | 1001272526 .....17          |
| 1001246549.....607          | 1001255091.....61          | 1001263798.....631         | 1001272659 .....497         |
| 1001246819.....381          | 1001255098.....61          | 1001263799.....631         | 1001272681 .....83          |
| 1001246859.....578          | 1001255133.....279         | 1001263957.....631         | 1001272682 .....85          |
| 1001247073.....633          | 1001255220.....591         | 1001264338..401, 407, 413, | 1001272835 .....277         |
| 1001247386.....89           | 1001255221.....591         | 419, 585                   | 1001272997 .....507         |
| 1001247434.....41           | 1001255222.....599         | 1001264725.....381         | 1001273012 .....497, 507    |
| 1001247450.....375          | 1001255223.....599         | 1001264992.....381         | 1001273619 .....277         |
| 1001247468.....279, 627     | 1001255224.....603         | 1001265378.....630         | 1001273630 .....375         |
| 1001248140..345, 347, 349,  | 1001255225.....603         | 1001266056.....632         | 1001273655 .....381         |
| 351, 353                    | 1001255226.....597         | 1001266098.....633         | 1001273656 .....381         |
| 1001248141..345, 347, 349,  | 1001255227.....597         | 1001266284.....633         | 1001274418 .....59          |
| 351, 353                    | 1001255228.....595         | 1001266290.....631         | 1001274559 .....313         |
| 1001248178..402, 408, 414,  | 1001255229.....595         | 1001266489.....632         | 1001274829 .....632         |
| 420, 581                    | 1001255230.....593         | 1001266799.....633         | 1001274830 .....632         |
| 1001248610.....41, 43       | 1001255231.....593         | 1001266801.....632         | 1001274832 .....632         |
| 1001248817.....141          | 1001255232.....605         | 1001266807.....632         | 1001274833 .....632         |
| 1001249052.....633          | 1001255233.....605         | 1001266969.....632         | 1001274917 .....77          |
| 1001249244.....495          | 1001255234.....601         | 1001267678.....61, 65      | 1001274920 .....77          |
| 1001249255.....375          | 1001255235.....601         | 1001269096.....374         | 1001274990 .....413, 419    |
| 1001249284.....381          | 1001255280.....201         | 1001269097.....374         | 1001275928 .....55, 57      |
| 1001249443.....311, 313     | 1001255281.....193         | 1001269187.....632         | 1001276007 .....630         |
| 1001249444.....311          | 1001255432.....59, 61      | 1001269322.....341         | 1001276008 .....630         |
| 1001249695.....633          | 1001255619.....115         | 1001269389.....633         | 1001276042 .....59          |
| 1001249941.....633          | 1001255871.....237         | 1001269573.....341         | 1001276045 .....59          |
| 1001249943.....156, 159     | 1001255901.....507         | 1001269629.....631         | 1001276610 .....497         |
| 1001250273.....71, 401, 407 | 1001256272.....631         | 1001269630.....631         | 1001276644 .....174, 521    |
| 1001250465.....633          | 1001256385.....630         | 1001269655.....633         | 1001276645 .....141, 513    |
| 1001250660.....613          | 1001256506.....518         | 1001269914.....375         | 1001277839 .....633         |
| 1001251013...265, 267, 363  | 1001256507.....517         | 1001269919..121, 134, 147, | 1001277840 .....634         |
| 1001251079.....262, 367     | 1001256879.....133         | 166                        | 1001277848 .....634         |
| 1001252519.....115          | 1001256933.....621         | 1001270242.....93          | 1001277991 .....277         |
| 1001252527...514, 517, 522  | 1001256934.....621         | 1001270243.....104         | 1001278387 .....277         |
| 1001252629..345, 347, 349,  | 1001256940.....621         | 1001270277.....603         | 1001278764 .....37          |
| 351, 353                    | 1001256941.....623         | 1001270278.....597         | 1001278895 .....19, 365     |
| 1001252945..455, 457, 459,  | 1001257271.....345, 347    | 1001270279.....595         | 1001280340 ..401, 407, 413, |
| 461, 463, 465, 467, 469,    | 1001257274.....345, 347    | 1001270280.....593         | 419                         |
| 471, 473                    | 1001257275.....347         | 1001270281.....605         | 1001280427 .....17          |
| 1001253115.....115          | 1001258005.....347         | 1001270282.....599         | 1001280860 .....19          |
| 1001253116.....115          | 1001258085.....79          | 1001270283.....601         | 1001281070 .....633         |
| 1001253117.....115          | 1001258434..591, 593, 595, | 1001270337.....613         | 1001281192 .....141         |
| 1001253459.....115          | 597, 599, 601, 603, 605,   | 1001270482.....631         | 1001281291 .....179         |
| 1001253849.....141          | 607, 609                   | 1001270594.....81          | 1001281292 .....141         |
| 1001253873.....513          | 1001258800.....141         | 1001270717.....634         | 1001281298 .....251         |
| 1001253881.....317          | 1001258804.....141         | 1001270718.....634         | 1001281301 .....251         |
| 1001253906.....137          | 1001260680..457, 465, 469, | 1001270723.....603         | 1001281304 .....251         |
| 1001253940.....97           | 473                        | 1001270724.....597         | 1001281305 .....251         |
| 1001253953.....108          | 1001261045.....141         | 1001270725.....595         | 1001281307 .....251         |
| 1001254279.....137          | 1001261085.....141         | 1001270726.....593         | 1001281309 .....251         |
| 1001254407.....61           | 1001261117.....21, 29      | 1001270727.....605         | 1001281310 .....251         |
| 1001254423.....193          | 1001261120..402, 408, 414, | 1001270728.....599         | 1001281311 .....251         |
| 1001254472.....333          | 420                        | 1001270729.....601         | 1001281359 .....251         |
| 1001254473.....333          | 1001261335.....345         | 1001271454.....361         | 1001281360 .....251         |
| 1001254537.....402, 414     | 1001261338.....345         | 1001271456.....631         | 1001281453 .....632         |
| 1001254538.....402, 414     | 1001262016.....633         | 1001271497.....542         | 1001281454 .....632         |

## SECTION 11 - SPECIAL OPTIONS

|                             |             |                             |               |                             |               |                              |                  |
|-----------------------------|-------------|-----------------------------|---------------|-----------------------------|---------------|------------------------------|------------------|
| 1001281455.....             | 632         | 1001291401 ...              | 142, 157, 174 | 1703935 .....               | 605           | 1706098.....                 | 613              |
| 1001281456.....             | 632         | 1001293599.....             | 375           | 1703936 .....               | 599           | 2030010.....                 | 337, 339, 341    |
| 1001281457.....             | 632         | 1001293601.....             | 375           | 1703937 .....               | 595           | 2060025.....                 | 126              |
| 1001281458.....             | 632         | 1001295242.....             | 267           | 1703938 .....               | 601           | 2080040 285, 289, 293, 297,  |                  |
| 1001281460.....             | 632         | 1001301727.....             | 175, 177      | 1703939 .....               | 603           | 301, 305                     |                  |
| 1001281461.....             | 632         | 1001302381.....             | 169, 173      | 1703940 .....               | 593           | 2080044 455, 459, 461, 463,  |                  |
| 1001281467.....             | 631         | 1001302395.....             | 165, 169      | 1703941 .....               | 605           | 467, 471                     |                  |
| 1001281656.....             | 251         | 1001302514.....             | 165           | 1703942 .....               | 599           | 2080057 591, 593, 595, 597,  |                  |
| 1001281985.....             | 174         | 1001307535.....             | 408, 420      | 1703943 .....               | 597           | 599, 601, 603, 605, 607,     |                  |
| 1001281986.....             | 174         | 1001307536.....             | 408, 420      | 1703944 .....               | 601           | 609                          |                  |
| 1001282065...402, 408, 414, |             | 1001307537.....             | 408, 420      | 1703945 .....               | 603           | 2110810.....                 | 380              |
| 420, 577                    |             | 1001307538.....             | 408, 420      | 1703946 .....               | 593           | 2110812.....                 | 380              |
| 1001282309.....             | 141, 145    | 1001311034.....             | 333           | 1703947 .....               | 605           | 2111612.....                 | 374              |
| 1001282393.....             | 59          | 1060343.....                | 240, 244      | 1703948 .....               | 599           | 2130404.....                 | 380              |
| 1001282840.....             | 631         | 1060908.....                | 479, 481, 483 | 1703949 .....               | 597           | 2130810.....                 | 380              |
| 1001283549.....             | 585         | 1060918.....                | 327           | 1703950 .....               | 601           | 2130812.....                 | 380              |
| 1001283636.....             | 137, 140    | 1062255. 402, 408, 414, 420 |               | 1703951 .....               | 603           | 2131010.....                 | 380              |
| 1001283651.....             | 141         | 10702077.....               | 240, 244, 248 | 1703952 .....               | 593           | 2131216.....                 | 380              |
| 1001283776.....             | 81, 571     | 10702082.....               | 240, 244, 248 | 1703953 .....               | 591           | 2131616.....                 | 374              |
| 1001283777.....             | 141         | 1120555.....                | 335           | 1703980 .....               | 601           | 2151216.....                 | 380              |
| 1001283901.....             | 141         | 1260017.....                | 53            | 1703981 .....               | 603           | 2170210.....                 | 380              |
| 1001283918.....             | 141         | 1320041.....                | 423, 451, 453 | 1703982 .....               | 597           | 2180348.....                 | 121              |
| 1001284407.....             | 141         | 1320061 121, 133, 147, 165, |               | 1703983 .....               | 605           | 2180832.....                 | 133, 147, 165    |
| 1001284517.....             | 633         | 226, 230, 234, 240, 244,    |               | 1703984 .....               | 599           | 2220124.....                 | 51               |
| 1001284529.....             | 142, 179    | 248                         |               | 1703985 .....               | 593           | 2220313. 121, 133, 147, 165  |                  |
| 1001284557.....             | 37          | 1320070.....                | 127           | 1704000 .....               | 599, 613      | 2220315.....                 | 126              |
| 1001284558.....             | 17          | 1320176.....                | 187           | 1704001 .....               | 605, 613      | 2220366.....                 | 374              |
| 1001284628.....             | 17          | 1320202.....                | 156, 173      | 1704002 .....               | 593, 613      | 2220371.....                 | 374, 380         |
| 1001284665.....             | 55          | 1320263. 401, 407, 413, 419 |               | 1704260 .....               | 313           | 2220372.....                 | 374, 380         |
| 1001284768.....             | 61          | 1320302.....                | 337, 339, 341 | 1704277 591, 593, 595, 597, |               | 2220373.....                 | 374, 380         |
| 1001284773...402, 408, 414, |             | 1321384.....                | 99, 101       | 599, 601, 603, 605, 607,    |               | 2220374.....                 | 374, 380         |
| 420, 583                    |             | 1380147.....                | 205, 207      | 609                         |               | 2220380.....                 | 374              |
| 1001285144.....             | 113         | 1580012.....                | 309           | 1704412 591, 593, 595, 597, |               | 2220408.....                 | 374              |
| 1001285145...104, 108, 113  |             | 1580013.....                | 633           | 599, 601, 603, 605, 607,    |               | 2220415.....                 | 374, 380         |
| 1001285146.....             | 104, 108    | 1670603.....                | 445           | 609                         |               | 2220451.....                 | 127, 374         |
| 1001285342.....             | 101         | 1671092 240, 244, 467, 469, |               | 1704885 591, 593, 595, 597, |               | 2220466.....                 | 374              |
| 1001285343.....             | 92, 96, 101 | 471, 473                    |               | 599, 601, 603, 605, 607     |               | 2220468.....                 | 380              |
| 1001285344.....             | 92, 96      | 1671093 339, 467, 469, 471, |               | 1704972 .....               | 613           | 2220472.....                 | 374, 380         |
| 1001285636.....             | 251         | 473                         |               | 1705305 .....               | 341, 617, 619 | 2220473.....                 | 374, 380         |
| 1001285733.....             | 83, 85, 573 | 1701499 591, 593, 595, 597, |               | 1705325 .....               | 425, 427      | 2220479.....                 | 374              |
| 1001285811.....             | 87          | 599, 601, 603, 605, 607,    |               | 1705336 .....               | 591           | 2220500.....                 | 380              |
| 1001285877.....             | 261         | 609                         |               | 1705344 .....               | 601           | 2220502.....                 | 374              |
| 1001285891.....             | 87          | 1701505 121, 133, 147, 165, |               | 1705345 .....               | 603           | 2220578.....                 | 374              |
| 1001285892.....             | 87          | 613                         |               | 1705347 .....               | 599           | 2220582.....                 | 380              |
| 1001286705.....             | 37          | 1701509 335, 591, 593, 595, |               | 1705349 .....               | 593           | 2220596.....                 | 380              |
| 1001287536.....             | 251         | 597, 599, 601, 603, 605,    |               | 1705355 .....               | 617, 619      | 2220602.....                 | 380              |
| 1001287552.....             | 251         | 607, 609                    |               | 1705358 .....               | 335           | 2220603.....                 | 374              |
| 1001288113.....             | 251         | 1701518.....                | 607, 609      | 1705374. 225, 229, 447, 449 |               | 2220618.....                 | 374              |
| 1001288230.....             | 380         | 1701529 591, 593, 595, 597, |               | 1705375 .....               | 241, 245      | 2220628.....                 | 380              |
| 1001288231.....             | 21          | 599, 601, 603, 605, 607,    |               | 1705387. 225, 229, 241, 245 |               | 2220637.....                 | 374              |
| 1001289082.....             | 51          | 609                         |               | 1705460 .....               | 241, 245, 248 | 2220671.....                 | 380              |
| 1001289267.....             | 21          | 1702300 591, 593, 595, 597, |               | 1705461 .....               | 248           | 2220733.....                 | 374              |
| 1001289268.....             | 381         | 599, 601, 603, 605, 607,    |               | 1705489 .....               | 233, 237, 248 | 2220775.....                 | 374              |
| 1001289293.....             | 381         | 609                         |               | 1705514 .....               | 591, 599      | 2220852.....                 | 374, 380         |
| 1001289297.....             | 381         | 1702773.....                | 609, 613      | 1705515 .....               | 614           | 2220865.....                 | 374, 380         |
| 1001289307.....             | 381         | 1702774.....                | 613           | 1705822 .....               | 607, 609      | 2220883.....                 | 23, 29, 31, 357, |
| 1001289308.....             | 381         | 1702861.....                | 613           | 1705828 .....               | 607, 609      | 359, 363, 365, 367           |                  |
| 1001289310.....             | 381         | 1702868. 341, 591, 613, 619 |               | 1705917 .....               | 605           | 2220885... 29, 31, 357, 363, |                  |
| 1001289315.....             | 381         | 1703162. 126, 140, 155, 173 |               | 1705961 .....               | 607, 609      | 365, 367                     |                  |
| 1001289316.....             | 381         | 1703687 591, 593, 595, 597, |               | 1705968 .....               | 595, 613      | 2220886.....                 | 23, 31, 357      |
| 1001289317.....             | 381         | 599, 601, 603, 605, 607,    |               | 1705969 .....               | 603, 613      | 2220906.....                 | 374              |
| 1001289552.....             | 514, 522    | 609                         |               | 1706059 .....               | 613           | 2220923.....                 | 380              |
| 1001289553.....             | 514, 522    | 1703804.....                | 591           | 1706060 .....               | 613           | 2220940.....                 | 374              |
| 1001289594...134, 165, 509  |             | 1703805.....                | 591           | 1706061 .....               | 613           | 2220947.....                 | 374              |
| 1001289794...591, 593, 595, |             | 1703811 591, 593, 595, 597, |               | 1706062 .....               | 613           | 2220999.....                 | 374              |
| 597, 599, 601, 603, 605,    |             | 599, 601, 603, 605, 607,    |               | 1706063 .....               | 613           | 2221034.....                 | 380              |
| 607, 609                    |             | 609                         |               | 1706064 .....               | 613           | 2221048.....                 | 374              |



## SECTION 11 - SPECIAL OPTIONS

|                                                                                |                                                                                                                                                                                                                      |                                                                         |                                                                    |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------|
| 2221051.....374                                                                | 439, 441, 443, 445, 451, 453                                                                                                                                                                                         | 3311601.... 92, 96, 104, 108, 313, 333                                  | 3820020 285, 289, 293, 297, 301, 305                               |
| 2221086..... 31, 43, 361, 374                                                  | 3290501 .....133, 147, 165                                                                                                                                                                                           | 3311605..... 337, 339, 341                                              | 3841143..19, 121, 133, 147, 165, 261, 265, 267, 279                |
| 2221176..... 121                                                               | 3290505 133, 147, 165, 223, 225, 229, 239, 243, 247                                                                                                                                                                  | 3312002 345, 347, 349, 351, 353                                         | 3841203.....19, 256                                                |
| 2400060..... 203, 529, 535                                                     | 3290601 ....59, 99, 101, 111, 113                                                                                                                                                                                    | 3312005..... 335                                                        | 3841258.....17                                                     |
| 2400064..... 535, 627                                                          | 3290605 67, 69, 92, 96, 113, 123, 126, 137, 140, 151, 155, 169, 173, 209, 211, 213, 215, 233, 237, 311, 401, 407, 413, 419, 423, 425, 429, 433, 437, 441, 451, 453, 591, 593, 595, 597, 599, 601, 603, 605, 607, 609 | 3312205..... 335                                                        | 3841287.....17, 256                                                |
| 2400066..... 581                                                               | 3290606 287, 291, 295, 299, 303, 307                                                                                                                                                                                 | 3331211 126, 140, 155, 173, 191, 193, 195, 197, 199, 201                | 3841347.....380                                                    |
| 2420203..... 217, 219                                                          | 3290801 ..... 115                                                                                                                                                                                                    | 3331611..... 126, 155, 173                                              | 3900267.....226, 230                                               |
| 2460048..... 239, 247                                                          | 3290805 .....67, 69, 99, 101, 111, 113, 126, 140, 155, 173, 217, 219, 223, 225, 229, 239, 243, 247, 271, 273, 277, 401, 407, 413, 419, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473, 477                         | 3340764..... 271                                                        | 3900300.....226, 230                                               |
| 2460055..... 217                                                               | 3290806 ..... 279                                                                                                                                                                                                    | 3340787..... 271                                                        | 3900349.....313                                                    |
| 2540020..... 81, 83, 85                                                        | 3291001 ....59, 61, 155, 173, 261, 279, 402, 408, 414, 420                                                                                                                                                           | 3340956..... 335                                                        | 3900357.....126                                                    |
| 2560136..... 313                                                               | 3291005 ..59, 61, 83, 85, 92, 96, 99, 101, 104, 108, 111, 121, 126, 133, 140, 147, 156, 165, 173, 185, 191, 193, 195, 197, 199, 201, 256, 265, 267, 271, 279, 311                                                    | 3380434..... 311                                                        | 3900363.....111, 113                                               |
| 2560187... 99, 101, 111, 113                                                   | 3291007 .....217, 219, 223, 237, 240, 243, 247, 279                                                                                                                                                                  | 3421565..... 53                                                         | 3900364.....92, 96                                                 |
| 2600066..... 511                                                               | 3291201 219, 225, 229, 233, 237, 240, 243, 247, 279                                                                                                                                                                  | 3422417..... 261                                                        | 3910606 225, 229, 240, 243, 447, 449                               |
| 2600281 285, 289, 293, 297, 301, 305                                           | 3291205 ..55, 59, 61, 92, 93, 96, 97, 104, 108, 133, 205, 207, 279, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473                                                                                                 | 3422424..... 261                                                        | 3910610 .....423                                                   |
| 2720015..... 140, 156, 173                                                     | 3291205 ..55, 59, 61, 92, 93, 96, 97, 104, 108, 133, 205, 207, 279, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473                                                                                                 | 3422532. 123, 137, 151, 169                                             | 3910804 .....75, 77                                                |
| 2720058..... 121, 185                                                          | 3291601 .....45, 261                                                                                                                                                                                                 | 3422793..... 256                                                        | 3931408 .....331                                                   |
| 2720340..... 140                                                               | 3291605 .....256, 262                                                                                                                                                                                                | 3422860..... 265, 267                                                   | 3931432 .....140                                                   |
| 2720398..... 127                                                               | 3292001 .....55, 261                                                                                                                                                                                                 | 3422861..... 265, 267                                                   | 3931512 .....155, 173                                              |
| 2780269..... 21, 25                                                            | 3292005 ..... 262                                                                                                                                                                                                    | 3422867..... 265, 267                                                   | 3931628 .....155, 173                                              |
| 2820019..... 533                                                               | 3292201 ..... 261                                                                                                                                                                                                    | 3430616..... 313                                                        | 3960389 .....115                                                   |
| 2820031 217, 219, 223, 225, 229, 233, 237, 239, 243, 247                       | 3292205 ..... 262                                                                                                                                                                                                    | 3430820..... 205, 207                                                   | 3960407 .....126                                                   |
| 2820035..... 203                                                               | 3300106 ..... 21                                                                                                                                                                                                     | 3450306..... 380                                                        | 3960422 225, 229, 240, 243, 423, 447, 449                          |
| 2820247..... 557, 561                                                          | 3300151 283, 287, 291, 295, 297, 299, 303, 305, 307, 337, 339, 341                                                                                                                                                   | 3460334..... 335                                                        | 3960464 .....115                                                   |
| 2840016..... 205, 207                                                          | 3300353 ..... 313                                                                                                                                                                                                    | 3470003..... 313                                                        | 3960469 .....123, 151, 169                                         |
| 2860030..... 75, 77, 626                                                       | 3300396 226, 230, 240, 244, 248                                                                                                                                                                                      | 3520027..... 313                                                        | 3960526 .....21                                                    |
| 2900756..... 31                                                                | 3300408 .402, 408, 414, 420                                                                                                                                                                                          | 3520028..... 219                                                        | 4010303 .....277                                                   |
| 2900770..... 365                                                               | 3300430 ..... 331                                                                                                                                                                                                    | 3520034 455, 457, 459, 461, 463, 465, 467, 469, 471, 473                | 4010308 .....205, 207                                              |
| 2900792..... 359, 363                                                          | 3311001 217, 219, 226, 230, 240, 244, 248                                                                                                                                                                            | 3520054 126, 140, 155, 173, 313                                         | 4010405 .....451, 453                                              |
| 2902065 127, 140, 155, 173, 181                                                | 3311005 .....337, 339, 341                                                                                                                                                                                           | 3520071..... 335                                                        | 4010408 .401, 407, 413, 419                                        |
| 2902212..... 335                                                               | 3311405 ..89, 133, 140, 333, 427, 431, 435, 439, 443, 445, 477                                                                                                                                                       | 3520072 283, 285, 287, 289, 291, 293, 295, 297, 299, 301, 303, 305, 307 | 4010618 287, 291, 295, 299, 303, 307                               |
| 2902217..... 337, 339                                                          |                                                                                                                                                                                                                      | 3520189..... 248                                                        | 4031504 .....357                                                   |
| 2902232..... 633                                                               |                                                                                                                                                                                                                      | 3520192..... 248                                                        | 4031505 .....329                                                   |
| 2902443 .511, 513, 518, 521                                                    |                                                                                                                                                                                                                      | 3520198 283, 285, 287, 289, 291, 293, 295, 297, 299, 301, 303, 305, 307 | 4031507 ..87, 401, 407, 413, 419                                   |
| 2902549..... 451, 479                                                          |                                                                                                                                                                                                                      | 3539622..... 261                                                        | 4031509 .....81, 83, 85                                            |
| 2915096..... 633                                                               |                                                                                                                                                                                                                      | 3573400..... 337, 339, 341                                              | 4031516 .....333                                                   |
| 2940045..... 113                                                               |                                                                                                                                                                                                                      | 3573642..... 337, 339                                                   | 4031608 .....223                                                   |
| 2940074 285, 289, 293, 297, 301, 305, 627                                      |                                                                                                                                                                                                                      | 3577121..... 337, 339, 341                                              | 4031707 .402, 408, 414, 420                                        |
| 2940098.....59, 61                                                             |                                                                                                                                                                                                                      | 3580134..... 223                                                        | 4031908 .....140                                                   |
| 2940173... 99, 101, 111, 113                                                   |                                                                                                                                                                                                                      | 3580158..... 217, 223                                                   | 4031912 .....140                                                   |
| 300163..... 357                                                                |                                                                                                                                                                                                                      | 3580243..... 261                                                        | 4031914 .....155, 173                                              |
| 3020037..... 137, 183                                                          |                                                                                                                                                                                                                      | 3580248..... 261                                                        | 4032014 .....155, 173, 261                                         |
| 3160350..... 21, 23                                                            |                                                                                                                                                                                                                      | 3580249..... 261                                                        | 4032015 .225, 233, 240, 248                                        |
| 3251102 217, 219, 223, 225, 229, 233                                           |                                                                                                                                                                                                                      | 3580276..... 217, 219                                                   | 4032020 .....261                                                   |
| 3251242 431, 435, 439, 443, 445                                                |                                                                                                                                                                                                                      | 3580317 225, 229, 233, 237, 240, 243, 248                               | 4060802 217, 219, 223, 225, 229, 233, 237, 240, 243, 248           |
| 3251243 217, 219, 225, 229, 241, 245, 591, 593, 595, 597, 599, 601, 605        |                                                                                                                                                                                                                      | 3580318. 225, 229, 240, 243                                             | 4060805 .....262                                                   |
| 3252347..... 591                                                               |                                                                                                                                                                                                                      | 3580319..... 233, 237, 247                                              | 4070895 .....261                                                   |
| 3252507 223, 429, 433, 437, 441                                                |                                                                                                                                                                                                                      | 3580320 155, 173, 225, 233, 240, 248                                    | 4070896 .....261                                                   |
| 3252764 .237, 239, 243, 247                                                    |                                                                                                                                                                                                                      | 3740067.... 67, 69, 126, 626                                            | 4070897 .....261                                                   |
| 3271605 345, 347, 349, 351, 353                                                |                                                                                                                                                                                                                      | 3740080..... 529, 581, 626                                              | 4070898 .....261                                                   |
| 3272001 345, 347, 349, 351, 353                                                |                                                                                                                                                                                                                      | 3740086..... 565, 627                                                   | 4070939 .....261                                                   |
| 3290301..... 205, 207                                                          |                                                                                                                                                                                                                      | 3760170..... 53                                                         | 4070940 .....261                                                   |
| 3290405 81, 83, 85, 87, 401, 407, 413, 419, 425, 427, 429, 431, 433, 435, 437, |                                                                                                                                                                                                                      | 3790012..... 265, 267, 313                                              | 4092009 .....261                                                   |
|                                                                                |                                                                                                                                                                                                                      | 3790044..... 183                                                        | 4100026 .....381                                                   |
|                                                                                |                                                                                                                                                                                                                      |                                                                         | 4160149 .....261                                                   |
|                                                                                |                                                                                                                                                                                                                      |                                                                         | 4240018 447, 449, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473 |

## SECTION 11 - SPECIAL OPTIONS

|                                                                                                 |                                                                                                                                                                                            |                                                                           |                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4240032 142, 156, 173, 402,<br>408, 414, 420, 497, 499,<br>501, 503                             | 4460425 226, 230, 240, 244,<br>248, 447, 449                                                                                                                                               | 4460874 .....541, 578                                                     | 4461198..... 427, 547                                                                                                                                                                                                                                                                                                                               |
| 4240033 .277, 329, 331, 333                                                                     | 4460426 226, 230, 240, 244,<br>248                                                                                                                                                         | 4460875 .....583                                                          | 4461199..... 549                                                                                                                                                                                                                                                                                                                                    |
| 4240099 .81, 121, 133, 140,<br>147, 156, 165, 173, 203,<br>313, 337, 339, 402, 408,<br>414, 420 | 4460428 .....313                                                                                                                                                                           | 4460876 .....537, 541                                                     | 4461201..... 431, 549                                                                                                                                                                                                                                                                                                                               |
| 4240149 ..... 335                                                                               | 4460434.....541                                                                                                                                                                            | 4460878 .....577                                                          | 4461205..... 551, 553                                                                                                                                                                                                                                                                                                                               |
| 4280295 ..... 59, 61                                                                            | 4460458 513, 517, 521, 535,<br>577, 581                                                                                                                                                    | 4460879 .....541                                                          | 4461244..... 435, 551                                                                                                                                                                                                                                                                                                                               |
| 4360070 226, 230, 240, 244,<br>248, 627                                                         | 4460464.... 83, 85, 327, 485,<br>487, 493, 495, 505, 507,<br>529, 539, 541, 563, 565,<br>569, 571, 573, 575, 577,<br>578, 581, 587                                                         | 4460884 513, 521, 563, 578,<br>583                                        | 4461245..... 439, 553                                                                                                                                                                                                                                                                                                                               |
| 4360274 ..... 77                                                                                | 4460465.... 57, 81, 226, 475,<br>487, 489, 491, 493, 495,<br>505, 511, 513, 517, 521,<br>522, 531, 533, 535, 539,<br>541, 545, 563, 567, 569,<br>573, 575, 577, 578, 581,<br>583, 585, 587 | 4460887 .....541, 577                                                     | 4461246..... 443, 555                                                                                                                                                                                                                                                                                                                               |
| 4360336 217, 219, 223, 225,<br>229, 233, 237, 240, 243,<br>248, 627                             | 4460466.. 57, 329, 475, 487,<br>489, 493, 495, 505, 511,<br>513, 514, 517, 521, 522,<br>529, 541, 545, 559, 563,<br>565, 569, 571, 577, 578,<br>581, 583, 585                              | 4460891 ..81, 475, 495, 517,<br>539, 569, 573, 578, 581,<br>583, 585, 587 | 4461249..... 555                                                                                                                                                                                                                                                                                                                                    |
| 4360387 .....77, 313, 626                                                                       | 4460467 .....633                                                                                                                                                                           | 4460892 .....493                                                          | 4520288..... 33                                                                                                                                                                                                                                                                                                                                     |
| 4360407 ..... 313, 626                                                                          | 4460470 313, 401, 407, 413,<br>419                                                                                                                                                         | 4460894 491, 493, 505, 511,<br>513, 517, 521, 541, 577                    | 4530028..... 337, 339, 343                                                                                                                                                                                                                                                                                                                          |
| 4360469 .....75, 77, 626                                                                        | 4460471 313, 401, 407, 413,<br>419                                                                                                                                                         | 4460897 ....83, 85, 571, 573,<br>581                                      | 4640464..... 493                                                                                                                                                                                                                                                                                                                                    |
| 4360475 .....71, 73, 626                                                                        | 4460473 .....487, 489                                                                                                                                                                      | 4460899 493, 559, 563, 565,<br>575, 578                                   | 4640509..... 363                                                                                                                                                                                                                                                                                                                                    |
| 4360542 ..... 217, 219                                                                          | 4460492 .....585                                                                                                                                                                           | 4460905 537, 541, 545, 577,<br>578, 583                                   | 4640751..... 140                                                                                                                                                                                                                                                                                                                                    |
| 4420014 ..... 335                                                                               | 4460496 .401, 407, 413, 419                                                                                                                                                                | 4460906 .....529                                                          | 4640932..... 359                                                                                                                                                                                                                                                                                                                                    |
| 4420037 .....337, 339, 341                                                                      | 4460497 .401, 407, 413, 419                                                                                                                                                                | 4460910 .....557                                                          | 4640999..... 359                                                                                                                                                                                                                                                                                                                                    |
| 4420051 591, 593, 595, 597,<br>599, 601, 603, 605, 607,<br>609                                  | 4460508.. 57, 329, 487, 541,<br>577                                                                                                                                                        | 4460911 .....559, 583                                                     | 4641122..... 33, 35                                                                                                                                                                                                                                                                                                                                 |
| 4420060 ..... 223                                                                               | 4460509 .....487, 489                                                                                                                                                                      | 4460925 .....541                                                          | 4641155..... 21                                                                                                                                                                                                                                                                                                                                     |
| 4420066 ..... 335                                                                               | 4460510 .....633                                                                                                                                                                           | 4460928 .....569, 585                                                     | 4711000 226, 230, 240, 244,<br>248                                                                                                                                                                                                                                                                                                                  |
| 4460019 509, 513, 517, 522,<br>581                                                              | 4460516 .....57                                                                                                                                                                            | 4460930 511, 513, 517, 521,<br>577, 578, 583                              | 4711400.. 89, 133, 140, 283,<br>287, 291, 295, 297, 299,<br>303, 305, 307, 331, 333,<br>427, 431, 435, 439, 443,<br>445                                                                                                                                                                                                                             |
| 4460027 ..... 217, 219                                                                          | 4460518 .....541, 569, 585                                                                                                                                                                 | 4460931 .....571, 578                                                     | 4711500..... 140, 155, 173                                                                                                                                                                                                                                                                                                                          |
| 4460042 511, 514, 518, 521,<br>577                                                              | 4460536 .493, 541, 575, 587                                                                                                                                                                | 4460932 485, 507, 514, 522,<br>527, 539, 578                              | 4711600.... 59, 61, 220, 237,<br>313, 345, 347, 349, 351,<br>353                                                                                                                                                                                                                                                                                    |
| 4460043 203, 513, 517, 522,<br>535                                                              | 4460539 475, 493, 513, 521,<br>541, 575, 583, 587                                                                                                                                          | 4460933 541, 542, 545, 569,<br>577                                        | 4712000 335, 345, 347, 349,<br>351, 353                                                                                                                                                                                                                                                                                                             |
| 4460071 225, 229, 240, 243,<br>327, 423                                                         | 4460612 .....447, 449                                                                                                                                                                      | 4460941 .....527, 559                                                     | 4712200..... 335                                                                                                                                                                                                                                                                                                                                    |
| 4460142 ..... 495, 511                                                                          | 4460662 433, 435, 437, 439,<br>441, 443, 445                                                                                                                                               | 4460942 .329, 513, 517, 521                                               | 4740362..... 311                                                                                                                                                                                                                                                                                                                                    |
| 4460183 ..... 541, 577                                                                          | 4460702 .....578                                                                                                                                                                           | 4460943 ..57, 511, 541, 559,<br>578                                       | 4740393..... 21                                                                                                                                                                                                                                                                                                                                     |
| 4460190 ..... 217, 219                                                                          | 4460703 .513, 517, 522, 578                                                                                                                                                                | 4460944 ..57, 511, 513, 517,<br>521, 541                                  | 4740397.... 71, 73, 265, 267                                                                                                                                                                                                                                                                                                                        |
| 4460205 ..... 423                                                                               | 4460708 .....542                                                                                                                                                                           | 4460945 .....514, 522                                                     | 4740439..... 265, 267                                                                                                                                                                                                                                                                                                                               |
| 4460224 ..... 237, 313                                                                          | 4460722 .....203                                                                                                                                                                           | 4460950 .....57, 495                                                      | 4750800..... 317                                                                                                                                                                                                                                                                                                                                    |
| 4460225 .....531, 533, 541                                                                      | 4460742 .....535                                                                                                                                                                           | 4460956 .....479, 481                                                     | 4751000.... 59, 61, 217, 219,<br>337, 339, 341                                                                                                                                                                                                                                                                                                      |
| 4460226 313, 321, 324, 327,<br>578                                                              | 4460743 .....535                                                                                                                                                                           | 4460957 .....479, 481                                                     | 4751400.. 99, 101, 111, 113,<br>309, 313, 337, 339, 341,<br>477                                                                                                                                                                                                                                                                                     |
| 4460227 ..... 541, 581                                                                          | 4460746 .....517, 521                                                                                                                                                                      | 4460958 .....449                                                          | 4751500..... 219                                                                                                                                                                                                                                                                                                                                    |
| 4460234 ..71, 313, 402, 408,<br>414, 420, 499, 501, 503                                         | 4460748 .....517, 521, 577                                                                                                                                                                 | 4460959 .467, 469, 471, 473                                               | 4751600 140, 156, 173, 337,<br>339, 341                                                                                                                                                                                                                                                                                                             |
| 4460247 .495, 513, 522, 577                                                                     | 4460761 .....541                                                                                                                                                                           | 4460960 .467, 469, 471, 473                                               | 4751800..... 380                                                                                                                                                                                                                                                                                                                                    |
| 4460256 ..... 583                                                                               | 4460806 .....435, 439                                                                                                                                                                      | 4460962 .....339                                                          | 4760600..... 423                                                                                                                                                                                                                                                                                                                                    |
| 4460259 .....537, 541, 577                                                                      | 4460807 .....531, 533                                                                                                                                                                      | 4460963 .....240, 244                                                     | 4761400..... 309                                                                                                                                                                                                                                                                                                                                    |
| 4460260 .....537, 541, 577                                                                      | 4460808 .....531, 533                                                                                                                                                                      | 4460967 .....226, 535, 578                                                | 4811400..... 81, 83, 85, 205,<br>207, 401, 407, 413, 419,<br>425, 427, 429, 431, 433,<br>435, 437, 439, 441, 443,<br>445                                                                                                                                                                                                                            |
| 4460265 ..... 321, 324                                                                          | 4460836... 57, 495, 581, 585                                                                                                                                                               | 4461005 .....511                                                          | 4811600. 133, 147, 165, 223                                                                                                                                                                                                                                                                                                                         |
| 4460267 ..... 541                                                                               | 4460837 .....585                                                                                                                                                                           | 4461006 .....511                                                          | 4811602 225, 229, 240, 243,<br>248                                                                                                                                                                                                                                                                                                                  |
| 4460268 ..... 531, 533                                                                          | 4460865 .....487, 489                                                                                                                                                                      | 4461008 .511, 513, 518, 521                                               | 4811700.. 21, 37, 59, 67, 69,<br>83, 85, 89, 111, 113, 121,<br>123, 126, 133, 137, 147,<br>151, 155, 165, 169, 173,<br>217, 219, 223, 225, 229,<br>233, 237, 240, 243, 248,<br>256, 287, 291, 295, 299,<br>303, 307, 401, 407, 413,<br>419, 423, 425, 429, 433,<br>437, 441, 451, 453, 455,<br>457, 459, 461, 463, 465,<br>467, 469, 471, 473, 591, |
| 4460294 ..... 237                                                                               | 4460866 .....487, 541, 577                                                                                                                                                                 | 4461017 .....57                                                           |                                                                                                                                                                                                                                                                                                                                                     |
| 4460312 ..... 511                                                                               | 4460871 537, 541, 545, 577,<br>578, 583, 587                                                                                                                                               | 4461018 .....581                                                          |                                                                                                                                                                                                                                                                                                                                                     |
| 4460313 .....511, 517, 583                                                                      | 4460872 .....583                                                                                                                                                                           | 4461052 .....511                                                          |                                                                                                                                                                                                                                                                                                                                                     |
| 4460315 ..... 423                                                                               | 4460873 .....541, 577                                                                                                                                                                      | 4461053 .....511                                                          |                                                                                                                                                                                                                                                                                                                                                     |
| 4460320 ..... 581                                                                               |                                                                                                                                                                                            | 4461054 511, 514, 518, 521,<br>527                                        |                                                                                                                                                                                                                                                                                                                                                     |
| 4460346 225, 229, 240, 243,<br>423                                                              |                                                                                                                                                                                            | 4461060 .....511                                                          |                                                                                                                                                                                                                                                                                                                                                     |
| 4460374 ..... 581                                                                               |                                                                                                                                                                                            | 4461070 .495, 511, 517, 569                                               |                                                                                                                                                                                                                                                                                                                                                     |
| 4460384 ..... 445                                                                               |                                                                                                                                                                                            | 4461071 .....513, 518, 521                                                |                                                                                                                                                                                                                                                                                                                                                     |
| 4460418 ..... 537, 541                                                                          |                                                                                                                                                                                            | 4461073 .....511, 518, 521                                                |                                                                                                                                                                                                                                                                                                                                                     |
| 4460419 ..... 537, 541                                                                          |                                                                                                                                                                                            | 4461077 .....559, 565                                                     |                                                                                                                                                                                                                                                                                                                                                     |
| 4460424 ..... 578                                                                               |                                                                                                                                                                                            | 4461095 .....511, 517, 569                                                |                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                 |                                                                                                                                                                                            | 4461196 .....547                                                          |                                                                                                                                                                                                                                                                                                                                                     |

## SECTION 11 - SPECIAL OPTIONS

|                                                                                                                                                                                                                                                                                   |                                                                          |                                                     |                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------|
| 593, 595, 597, 599, 601,<br>603, 605, 607, 609                                                                                                                                                                                                                                    | 5250611 ..... 41                                                         | 70002112 ..... 63, 65                               | 70004044 ..... 48                         |
| 4811702..99, 101, 123, 137,<br>140, 151, 169, 209, 211,<br>213, 215, 311, 402, 414                                                                                                                                                                                                | 5250808 ..... 115                                                        | 7000216 ..... 25                                    | 70004045 ..... 48                         |
| 4811900..61, 111, 113, 115,<br>126, 140, 155, 173, 201,<br>217, 219, 223, 225, 229,<br>240, 243, 248, 271, 273,<br>277, 279, 401, 407, 413,<br>419, 455, 457, 459, 461,<br>463, 465, 467, 469, 471,<br>473, 477                                                                   | 5250810 ....21, 99, 101, 155,<br>173, 273                                | 7000217 ..... 48                                    | 70004047 ..... 49                         |
| 4811902.....67, 69, 99, 101,<br>140, 156, 173, 179, 217,<br>223                                                                                                                                                                                                                   | 5250812 .....92, 96, 277                                                 | 70002209 ..... 31                                   | 70004052 ..... 275                        |
| 4812000..41, 59, 61, 92, 96,<br>99, 101, 104, 108, 111,<br>113, 121, 126, 133, 140,<br>147, 155, 165, 173, 185,<br>191, 193, 195, 197, 199,<br>201, 217, 219, 223, 256,<br>261, 273, 277, 279, 311,<br>402, 408, 414, 420, 455,<br>457, 459, 461, 463, 465,<br>467, 469, 471, 473 | 5251008 .....41, 277, 279                                                | 70002234 ..... 130                                  | 70004053 ..... 275                        |
| 4812002..59, 61, 92, 96, 99,<br>101, 104, 108, 121, 133,<br>140, 147, 165                                                                                                                                                                                                         | 5251009 .....41, 67, 69                                                  | 7000228 ..... 48                                    | 70004056 ..... 130                        |
| 4812100..55, 59, 61, 92, 93,<br>96, 97, 104, 108, 121,<br>133, 140, 147, 165, 205,<br>207, 251, 279, 455, 457,<br>459, 461, 463, 465, 467,<br>469, 471, 473                                                                                                                       | 5251010 ..... 21                                                         | 7000229 ..... 48                                    | 70004058 ..... 130                        |
| 4812200 ..... 140                                                                                                                                                                                                                                                                 | 5251010001..... 37                                                       | 70002291 ..... 244                                  | 70004059 ..... 130                        |
| 4812300 ..... 126, 155, 173                                                                                                                                                                                                                                                       | 5251012 121, 133, 147, 156,<br>165, 173, 226, 230, 234,<br>240, 244, 248 | 70002297 ..... 239, 244, 247                        | 70004060 ..... 130                        |
| 4812500 ..... 93, 97, 104, 108                                                                                                                                                                                                                                                    | 5251014 ....92, 96, 104, 108,<br>401, 407, 413, 419                      | 7000230 ..... 48                                    | 70004064 ..... 185                        |
| 4844816 ..... 265, 267                                                                                                                                                                                                                                                            | 5251016 .....21, 279                                                     | 70002373 ..... 363                                  | 70004065 ..... 185                        |
| 4844817 ..... 265, 267                                                                                                                                                                                                                                                            | 5260600 ..... 21                                                         | 70002410 ..... 359                                  | 70004066 ..... 185, 627                   |
| 4846627 ..... 337, 339                                                                                                                                                                                                                                                            | 5260800 ..... 115                                                        | 7000246 ..... 48                                    | 70004067 ..... 185                        |
| 4871700 217, 223, 225, 229,<br>233, 240, 243, 248                                                                                                                                                                                                                                 | 5261000 .401, 407, 413, 419                                              | 70002460 ..... 239, 244, 247                        | 70004068 ..... 185                        |
| 4891600 ..... 279                                                                                                                                                                                                                                                                 | 5281918 455, 457, 459, 461,<br>463, 465, 467, 469, 471,<br>473           | 7000247 ..... 48                                    | 70004069 ..... 185                        |
| 4891800 ..... 183                                                                                                                                                                                                                                                                 | 70000100 ..... 21                                                        | 7000248 ..... 48                                    | 70004070 ..... 185                        |
| 4892000 ..... 51                                                                                                                                                                                                                                                                  | 70000123 ..... 223                                                       | 7000253 ..... 48                                    | 70004092 ..... 225, 229, 233,<br>237, 244 |
| 4892600001 ..... 279                                                                                                                                                                                                                                                              | 70000342 ..... 269                                                       | 7000255 ..... 48                                    | 70004094 ..... 244                        |
| 4922641 217, 219, 223, 226,<br>230, 234, 240, 244, 248                                                                                                                                                                                                                            | 70000345 ..... 130, 161                                                  | 7000257 ..... 48                                    | 70004098 ..... 226, 230, 244              |
| 4922925 237, 240, 244, 248,<br>533                                                                                                                                                                                                                                                | 70000619 ..... 239, 243, 247                                             | 7000263 ..... 48                                    | 70004099 ..... 229, 237, 244              |
| 5240800 ..... 199                                                                                                                                                                                                                                                                 | 70000699 ..... 361                                                       | 70002718 ..... 129, 159                             | 70004103 ..... 130                        |
| 5241000 ....92, 96, 111, 113,<br>127, 156, 173, 197, 225,<br>229, 233, 240, 243, 248,<br>261, 271                                                                                                                                                                                 | 70000781 ..... 31                                                        | 70002758 ..... 43                                   | 70004155 ..... 367                        |
| 5241200..21, 123, 126, 137,<br>140, 151, 155, 169, 173,<br>191, 193, 195, 197, 199,<br>201, 219, 225, 229, 233,<br>237, 240, 243, 248, 279                                                                                                                                        | 70000782 ..... 25                                                        | 70002759 ..... 43                                   | 70004169 ..... 239, 247                   |
| 5241400 126, 155, 173, 191,<br>193, 195, 197, 199, 201,<br>225, 233, 240, 248                                                                                                                                                                                                     | 70000793 ..... 181                                                       | 70002814 ..... 63, 626                              | 70004171225, 233, 239, 247                |
| 5241600 ..... 19, 45                                                                                                                                                                                                                                                              | 70000794 ..... 23                                                        | 70002838 ..... 63, 65                               | 70004186 ..... 363, 367                   |
| 5242000 ..... 45                                                                                                                                                                                                                                                                  | 70000795 ..... 23                                                        | 70002839 ..... 63, 65                               | 70004199 ..... 63, 65                     |
| 5250508 ..... 19                                                                                                                                                                                                                                                                  | 70000851 ..... 130                                                       | 70002902 ..... 327                                  | 70004237 ..... 359                        |
|                                                                                                                                                                                                                                                                                   | 70000863 ..... 239, 243, 247                                             | 70002903 ..... 327                                  | 70004268 ..... 129                        |
|                                                                                                                                                                                                                                                                                   | 70000912 ..... 129                                                       | 70002904 ..... 327                                  | 70004269 ..... 129                        |
|                                                                                                                                                                                                                                                                                   | 70000913 ..... 129                                                       | 70002905 ..... 327                                  | 70004270 ..... 130                        |
|                                                                                                                                                                                                                                                                                   | 70000914 ..... 129                                                       | 70002962 ..... 31                                   | 70004271 ..... 130                        |
|                                                                                                                                                                                                                                                                                   | 70000915 ..... 129                                                       | 70003003 ..... 129                                  | 70004272 ..... 130                        |
|                                                                                                                                                                                                                                                                                   | 70000916 ..... 129                                                       | 70003019 ..... 275                                  | 70004273 ..... 130                        |
|                                                                                                                                                                                                                                                                                   | 70000917 ..... 129                                                       | 70003021 ..... 43                                   | 70004276 ..... 161                        |
|                                                                                                                                                                                                                                                                                   | 70000918 ..... 129                                                       | 70003027 ..... 43, 275                              | 70004277 ..... 161                        |
|                                                                                                                                                                                                                                                                                   | 70000919 ..... 129                                                       | 70003136 ..... 129                                  | 70004280 ..... 159                        |
|                                                                                                                                                                                                                                                                                   | 70001002 ..... 129                                                       | 70003456 ..... 129                                  | 70004282 ..... 160                        |
|                                                                                                                                                                                                                                                                                   | 70001100 ..... 239, 243, 247                                             | 70003457 ..... 129                                  | 70004414 ..... 59, 61                     |
|                                                                                                                                                                                                                                                                                   | 70001119 ..... 25                                                        | 70003468 ..... 129                                  | 70004501 ..... 160                        |
|                                                                                                                                                                                                                                                                                   | 70001126 ..... 129                                                       | 70003469 ..... 129                                  | 70004504 ..... 162                        |
|                                                                                                                                                                                                                                                                                   | 70001384 ..... 239, 243, 247                                             | 70003470 ..... 129                                  | 70004505 ..... 159                        |
|                                                                                                                                                                                                                                                                                   | 70001423 ..... 129                                                       | 70003472 ..... 129                                  | 70004506 ..... 159                        |
|                                                                                                                                                                                                                                                                                   | 70001435 ..... 129                                                       | 70003473 ..... 129                                  | 70004507 ..... 159                        |
|                                                                                                                                                                                                                                                                                   | 70001498 ..... 130                                                       | 70003475 ..... 129                                  | 70004508 ..... 159                        |
|                                                                                                                                                                                                                                                                                   | 70001655 ..... 160, 162                                                  | 70003478 ..... 129                                  | 70004509 ..... 159                        |
|                                                                                                                                                                                                                                                                                   | 70001696 ..... 239, 247                                                  | 70003631 ..... 239, 244, 247                        | 70004510 ..... 159                        |
|                                                                                                                                                                                                                                                                                   | 70001697 ..... 269                                                       | 70003708 ..... 225, 229, 233,<br>237, 239, 244, 247 | 70004513 ..... 160                        |
|                                                                                                                                                                                                                                                                                   | 70001847 ..... 129                                                       | 70003709 ..... 225, 229, 233,<br>237, 239, 244, 247 | 70004577 ..... 31                         |
|                                                                                                                                                                                                                                                                                   | 70001850 ..... 129                                                       | 70003783 ..... 127, 626                             | 70004595 ..... 43                         |
|                                                                                                                                                                                                                                                                                   | 70001866 ..... 130                                                       | 70003784 ..... 313                                  | 70004613 ..... 43, 275                    |
|                                                                                                                                                                                                                                                                                   | 70001868 ..... 130                                                       | 70003926 ..... 367                                  | 70004617 ..... 43                         |
|                                                                                                                                                                                                                                                                                   | 70001870 ..... 129, 159                                                  | 70003928 ..... 367                                  | 70004653 ..... 275, 626                   |
|                                                                                                                                                                                                                                                                                   | 70001871 ..... 129                                                       | 70003929 ..... 367                                  | 70004676225, 229, 233, 237                |
|                                                                                                                                                                                                                                                                                   | 70001872 ..... 130                                                       | 70003930 ..... 367                                  | 70004677 ..... 233                        |
|                                                                                                                                                                                                                                                                                   | 70001953 ..... 239, 247                                                  | 70003932 ..... 130                                  | 70004678226, 230, 233, 237                |
|                                                                                                                                                                                                                                                                                   | 70001966 ..... 225, 229, 233,<br>237, 239, 244, 247                      | 70003975 ..... 31                                   | 70004679226, 230, 233, 237                |
|                                                                                                                                                                                                                                                                                   | 70001973 ..... 239, 244, 247                                             | 70003982 ..... 367                                  | 70004680226, 230, 233, 237                |
|                                                                                                                                                                                                                                                                                   | 70001974 ..... 239, 244, 247                                             | 70003998 ..... 67, 69                               | 70004681 ..... 233, 237                   |
|                                                                                                                                                                                                                                                                                   | 70002066 ..... 48                                                        | 70004037 ..... 48                                   | 70004682226, 230, 233, 237                |
|                                                                                                                                                                                                                                                                                   | 70002088 ..... 239, 247                                                  | 70004039 ..... 48                                   | 70004683 ..... 233, 237                   |
|                                                                                                                                                                                                                                                                                   |                                                                          | 70004040 ..... 48                                   | 70004684 ..... 226                        |
|                                                                                                                                                                                                                                                                                   |                                                                          | 70004041 ..... 48                                   | 70004685 ..... 226, 230                   |
|                                                                                                                                                                                                                                                                                   |                                                                          | 70004042 ..... 48                                   | 70004686 ..... 237                        |
|                                                                                                                                                                                                                                                                                   |                                                                          | 70004043 ..... 48                                   | 70004687 ..... 230                        |
|                                                                                                                                                                                                                                                                                   |                                                                          |                                                     | 70004738 ..... 321                        |
|                                                                                                                                                                                                                                                                                   |                                                                          |                                                     | 70004739 ..... 321                        |

## SECTION 11 - SPECIAL OPTIONS

|                            |          |                            |              |               |                  |               |          |
|----------------------------|----------|----------------------------|--------------|---------------|------------------|---------------|----------|
| 70004740.....              | 321      | 70005684.....              | 271          | 70006980..... | 367              | 70023369..... | 359      |
| 70004741.....              | 321      | 70005698.....              | 359          | 70006981..... | 367              | 70023859..... | 43       |
| 70004742.....              | 321      | 70005699.....              | 359          | 70006982..... | 367              | 70023860..... | 275      |
| 70004743.....              | 321      | 70005700.....              | 359          | 70006983..... | 367              | 70023862..... | 275      |
| 70004744.....              | 321      | 70005701.....              | 359          | 70007086..... | 161              | 70024441..... | 65       |
| 70004745.....              | 321      | 70005702.....              | 359          | 70007087..... | 161              | 70024494..... | 159      |
| 70004746.....              | 321      | 70005703.....              | 359          | 70007088..... | 161              | 70024502..... | 160      |
| 70004747.....              | 321      | 70005708.....              | 63, 626      | 70007089..... | 161              | 70024507..... | 162      |
| 70004748.....              | 321      | 70005839.....              | 367          | 70007317..... | 357              | 70024509..... | 161      |
| 70004749.....              | 321      | 70005871.....              | 363          | 70007318..... | 357, 626         | 70024513..... | 160      |
| 70004750.....              | 321      | 70005920.....              | 159          | 70007319..... | 21               | 70024517..... | 159      |
| 70004751.....              | 321      | 70005921.....              | 159          | 70007320..... | 29               | 70024904..... | 159      |
| 70004752.....              | 323      | 70005926.....              | 160          | 70007322..... | 21               | 70024905..... | 159      |
| 70004753.....              | 323      | 70005928.....              | 160          | 70007323..... | 21, 29, 361, 626 | 70024906..... | 159      |
| 70004754.....              | 323      | 70005929.....              | 160          | 70007325..... | 160              | 70024912..... | 161      |
| 70004755.....              | 323      | 70005931.....              | 160          | 70007326..... | 161              | 70024915..... | 161      |
| 70004756.....              | 323      | 70005933.....              | 162          | 70007327..... | 161              | 70024917..... | 162      |
| 70004757.....              | 323      | 70005934.....              | 162          | 70007331..... | 162              | 70024920..... | 160, 162 |
| 70004758.....              | 323      | 70005935.....              | 162          | 70007334..... | 361              | 70024922..... | 162      |
| 70004759.....              | 323      | 70005936.....              | 162          | 70007341..... | 361              | 70024924..... | 159      |
| 70004760.....              | 323      | 70005938.....              | 159          | 70007342..... | 361              | 70024925..... | 159      |
| 70004761.....              | 323      | 70005941.....              | 159          | 70007343..... | 29, 361          | 70024961..... | 160      |
| 70004762.....              | 323      | 70005942.....              | 159          | 70007345..... | 361              | 70025084..... | 129      |
| 70004763.....              | 323      | 70005951.....              | 275          | 70007346..... | 361              | 70025095..... | 161      |
| 70004764.....              | 323      | 70005952.....              | 43, 275      | 70007347..... | 361              | 70025098..... | 161, 162 |
| 70004765.....              | 323      | 70006004.....              | 29, 361, 626 | 70007354..... | 161              | 70025099..... | 161      |
| 70004766.....              | 323      | 70006093.....              | 244          | 70007355..... | 162              | 70025101..... | 160      |
| 70004767.....              | 323      | 70006094.....              | 244          | 70007457..... | 365              | 70025104..... | 159      |
| 70004768.....              | 323      | 70006095.....              | 244          | 70007504..... | 43               | 70025106..... | 161      |
| 70004769.....              | 323      | 70006096.....              | 244          | 70007507..... | 31               | 70025108..... | 162      |
| 70004770.....              | 323      | 70006097.....              | 244          | 70007509..... | 57               | 70025109..... | 160      |
| 70004771.....              | 323      | 70006099.....              | 357          | 70007511..... | 57               | 70025111..... | 159      |
| 70004772.....              | 323      | 70006114.....              | 43           | 70007512..... | 57               | 70025112..... | 160      |
| 70004773.....              | 323      | 70006115.....              | 43           | 70007557..... | 29               | 70025113..... | 162      |
| 70004774.....              | 324      | 70006116.....              | 275          | 70007558..... | 29               | 70025115..... | 160      |
| 70004775.....              | 324      | 70006117.....              | 43           | 70007559..... | 29               | 70025120..... | 162      |
| 70004795.....              | 63, 65   | 70006119.....              | 43           | 70007560..... | 29               | 70025121..... | 160      |
| 70004867.....              | 361      | 70006120.....              | 43           | 70007561..... | 29               | 70025122..... | 160      |
| 70004875.....              | 21       | 70006121.....              | 275          | 70007562..... | 29               | 70025124..... | 160      |
| 70004888.....              | 31       | 70006122.....              | 275, 626     | 70007563..... | 29               | 70025125..... | 159      |
| 70005008141, 156, 174, 627 |          | 70006123.....              | 275          | 70007564..... | 29               | 70025126..... | 162      |
| 70005171.....              | 159      | 70006124.....              | 275          | 70007565..... | 29               | 70025128..... | 162      |
| 70005172.....              | 159      | 70006125.....              | 275          | 70007617..... | 43               | 70025129..... | 160      |
| 70005173.....              | 159      | 70006126.....              | 275          | 70007725..... | 65               | 70025130..... | 160      |
| 70005176.....              | 160      | 70006144.....              | 160          | 70007726..... | 65               | 70025134..... | 161      |
| 70005177.....              | 160      | 70006260.....              | 361          | 70007727..... | 65               | 70025135..... | 159      |
| 70005178.....              | 160      | 70006264.....              | 159          | 70007838..... | 361              | 70025137..... | 159      |
| 70005179.....              | 160, 162 | 70006265.....              | 159          | 70008109..... | 43               | 70025139..... | 159      |
| 70005184.....              | 160      | 70006266.....              | 159          | 70008110..... | 43               | 70025140..... | 159      |
| 70005191.....              | 162      | 70006294.....              | 161          | 70008175..... | 363              | 70025142..... | 160      |
| 70005200.....              | 275      | 70006304.....              | 48, 49       | 70008176..... | 363              | 70025144..... | 160      |
| 70005203.....              | 48       | 70006305.....              | 49           | 70008177..... | 363              | 70025145..... | 159      |
| 70005335.....              | 273, 627 | 70006306.....              | 49           | 70008178..... | 363              | 70025146..... | 159      |
| 70005336.....              | 41, 626  | 70006307.....              | 49           | 70008179..... | 363              | 70025147..... | 160      |
| 70005479.....              | 129      | 70006308.....              | 49           | 70008440..... | 43               | 70025148..... | 160      |
| 70005527.....              | 162      | 70006309.....              | 49           | 70008615..... | 43               | 70025151..... | 160      |
| 70005563.....              | 361      | 70006310.....              | 49           | 70008616..... | 43               | 70025152..... | 159      |
| 70005572.....              | 361      | 70006313.....              | 49           | 70008617..... | 43               | 70025154..... | 159      |
| 70005575.....              | 361      | 70006552226, 229, 233, 237 |              | 70008618..... | 43               | 70025155..... | 161      |
| 70005595.....              | 367      | 70006553226, 229, 233, 237 |              | 70010383..... | 41, 626          | 70025158..... | 160      |
| 70005627.....              | 275      | 70006596.....              | 363          | 7001909.....  | 48               | 70025162..... | 159      |
| 70005647.....              | 161      | 70006652.....              | 161          | 7001911.....  | 48               | 70025164..... | 161      |
| 70005648.....              | 161      | 70006653.....              | 161          | 7001912.....  | 48               | 70025165..... | 161      |
| 70005668.....              | 31       | 70006731.....              | 367          | 7001913.....  | 25               | 70025166..... | 162      |
| 70005669.....              | 31       | 7000695.....               | 129          | 7001931.....  | 48               | 70025179..... | 161      |
| 70005682.....              | 273      | 70006978.....              | 367          | 7001985.....  | 48               | 70025181..... | 159      |
| 70005683.....              | 271, 626 | 70006979.....              | 367          | 70022564..... | 359, 363         | 70025182..... | 160      |

## SECTION 11 - SPECIAL OPTIONS

|               |          |              |                    |              |               |                  |                                                  |
|---------------|----------|--------------|--------------------|--------------|---------------|------------------|--------------------------------------------------|
| 70025183..... | 160      | 7005891..... | 49                 | 7022372..... | 23            | 7026503.....     | 57                                               |
| 70025184..... | 160      | 7007437..... | 23                 | 7022399..... | 31            | 7026504.....     | 57                                               |
| 70025185..... | 160      | 7007438..... | 23                 | 7022524..... | 275           | 7026597.....     | 239, 244, 247                                    |
| 70025192..... | 162      | 7007439..... | 23                 | 7023910..... | 23            | 7026626.....     | 239, 244, 247                                    |
| 70025200..... | 160      | 7007446..... | 23                 | 7024100..... | 49            | 7026631.....     | 129                                              |
| 70025205..... | 159      | 7007633..... | 48                 | 7024124..... | 25            | 7027236.....     | 129                                              |
| 70025210..... | 160, 627 | 7010474..... | 48                 | 7024125..... | 25            | 7027276.....     | 130                                              |
| 70025212..... | 162      | 7010492..... | 48                 | 7024127..... | 25            | 7027419.....     | 23                                               |
| 70025214..... | 162      | 7011112..... | 359                | 7024129..... | 25            | 7027740.....     | 23                                               |
| 70025215..... | 161      | 7012513..... | 217, 219, 223      | 7024134..... | 26            | 7027773.....     | 343                                              |
| 70025216..... | 161      | 7012514..... | 217, 219, 223      | 7024441..... | 63            | 7027774.....     | 343                                              |
| 70025217..... | 161      | 7012558..... | 217, 219           | 7024462..... | 343           | 7027775.....     | 343                                              |
| 70025221..... | 161      | 7012998..... | 31                 | 7024463..... | 343           | 7027776.....     | 343                                              |
| 70025224..... | 161      | 7016328..... | 129, 626           | 7024467..... | 343           | 7027777.....     | 343                                              |
| 70025225..... | 161      | 7016331..... | 129, 159, 626, 627 | 7024469..... | 343           | 7027778.....     | 343                                              |
| 70025226..... | 161      | 7016652..... | 633                | 7024470..... | 343           | 7027779.....     | 343                                              |
| 70025228..... | 161      | 7016654..... | 633                | 7024471..... | 343           | 7027780.....     | 343                                              |
| 70025229..... | 161      | 7016655..... | 633                | 7024472..... | 343           | 7027790.....     | 130                                              |
| 70025231..... | 161      | 7017022..... | 26                 | 7024473..... | 343           | 7027791.....     | 130                                              |
| 70025233..... | 161      | 7017023..... | 48                 | 7024474..... | 343           | 7027792.....     | 130                                              |
| 70025235..... | 160      | 7017027..... | 25                 | 7024475..... | 343           | 7027795.....     | 129, 626                                         |
| 70025239..... | 160      | 7017070..... | 48                 | 7024478..... | 343           | 7027796.....     | 130                                              |
| 70025240..... | 160      | 7017072..... | 25, 48             | 7024485..... | 239, 247      | 7027799.....     | 239, 244, 247                                    |
| 70025242..... | 162      | 7017080..... | 48                 | 7024488..... | 239, 243, 247 | 7027887.....     | 217, 219, 223                                    |
| 70025327..... | 161      | 7017082..... | 49                 | 7024489..... | 239, 243, 247 | 7274000040.....  | 226, 230, 234, 240, 244, 248                     |
| 70025580..... | 361      | 7017085..... | 48                 | 7024502..... | 361           | 7300435.....     | 126, 155, 173                                    |
| 70025582..... | 361      | 7017093..... | 25                 | 7024503..... | 357, 361      | 77133089.....    | 29                                               |
| 70025660..... | 159      | 7017095..... | 25                 | 7024579..... | 129, 159      | 77133137.....    | 455, 457, 459, 461, 463, 465, 467, 469, 471, 473 |
| 70025676..... | 161      | 7017142..... | 269                | 7024598..... | 205, 207      | 77363233.....    | 531, 533                                         |
| 70025696..... | 161      | 7017159..... | 269                | 7024704..... | 48            | 80434249.....    | 43                                               |
| 70025733..... | 161      | 7017162..... | 269                | 7024721..... | 26            | 80484084.....    | 513, 517, 521                                    |
| 70025788..... | 162      | 7017163..... | 269                | 7024722..... | 25            | 80633030.....    | 374                                              |
| 70026164..... | 361      | 7017164..... | 269                | 7024723..... | 26            | 80983191514..... | 517, 522, 627                                    |
| 70026210..... | 162      | 7017172..... | 269                | 7024724..... | 25            | 8220045.....     | 511, 529, 578                                    |
| 70026444..... | 31       | 7017192..... | 269                | 7024725..... | 25            | 8220089.....     | 577                                              |
| 70026967..... | 21, 626  | 7017195..... | 269                | 7024726..... | 25            | 8220097.....     | 577, 581                                         |
| 70026973..... | 361      | 7019680..... | 217, 219           | 7024727..... | 25            | 8220098.....     | 577                                              |
| 70027415..... | 159      | 7020043..... | 59, 61             | 7024728..... | 25            | 8220115.....     | 517                                              |
| 70027428..... | 161      | 7020108..... | 217, 219, 223      | 7024729..... | 25            | 8220164.....     | 509, 511                                         |
| 70027440..... | 161      | 7020109..... | 217, 219, 223      | 7024730..... | 25            | 8229237.....     | 402, 408, 414, 420, 626                          |
| 70027446..... | 161      | 7020110..... | 217, 219, 223      | 7024731..... | 25            | 8229242.....     | 514, 517, 522, 545, 577, 626                     |
| 70028185..... | 159      | 7020111..... | 217, 219, 223      | 7024732..... | 25            | 8229244.....     | 577, 626                                         |
| 70028186..... | 160      | 7020175..... | 71, 73             | 7024733..... | 25            | 8229245.....     | 529, 627                                         |
| 7002821.....  | 633      | 7020176..... | 71, 73             | 7024734..... | 25            | 8310129.....     | 335                                              |
| 7002822.....  | 633      | 7020190..... | 217, 219, 223      | 7024735..... | 25            | 83304173.....    | 63, 65                                           |
| 7002823.....  | 633      | 7020403..... | 129                | 7024736..... | 25            | 8405006.....     | 133                                              |
| 7002826.....  | 633      | 7020408..... | 129                | 7024737..... | 26            | 8405007.....     | 140, 155, 173                                    |
| 7002840.....  | 633      | 7020431..... | 129                | 7024738..... | 25            | 8405009.....     | 140, 155, 173                                    |
| 70028538..... | 160, 162 | 7020460..... | 129                | 7024739..... | 25            | 8405104.....     | 140, 155, 174                                    |
| 70028540..... | 162      | 7020465..... | 129, 159           | 7024740..... | 25            | 8405202.....     | 126                                              |
| 70028699..... | 161      | 7020468..... | 129                | 7024741..... | 25            | 8406003.....     | 277                                              |
| 70029015..... | 161      | 7020471..... | 130                | 7024742..... | 25            | 8406109.....     | 140, 155, 174                                    |
| 70029250..... | 162      | 7020479..... | 130                | 7024743..... | 25, 48        | 8406110.....     | 83, 85                                           |
| 70029393..... | 160      | 7020487..... | 129                | 7024744..... | 25, 26        | 8410011.....     | 140, 155, 174                                    |
| 70029402..... | 161      | 7020492..... | 160                | 7024763..... | 48            | 8410013.....     | 140                                              |
| 70029403..... | 161      | 7021249..... | 23                 | 7024764..... | 26            | 88411013.....    | 477                                              |
| 70029404..... | 161      | 7021275..... | 23                 | 7024765..... | 26            | 88521214.....    | 345, 347, 349, 351, 353                          |
| 70029415..... | 162      | 7021625..... | 31                 | 7024766..... | 26            | 88662327.....    | 374                                              |
| 70029433..... | 162      | 7021639..... | 31                 | 7024784..... | 49            | 8896941.....     | 633                                              |
| 70029451..... | 160      | 7022302..... | 23                 | 7024862..... | 23            | 91203039.....    | 279                                              |
| 70029517..... | 162      | 7022311..... | 23                 | 7024865..... | 23            | 91401281.....    | 67                                               |
| 70029557..... | 161      | 7022313..... | 23                 | 7024867..... | 23            |                  |                                                  |
| 70029797..... | 160      | 7022314..... | 23                 | 7024871..... | 23            |                  |                                                  |
| 7004275.....  | 633      | 7022326..... | 23                 | 7024881..... | 31            |                  |                                                  |
| 7004276.....  | 633      | 7022328..... | 23                 | 7026031..... | 626           |                  |                                                  |
| 70050795..... | 367      | 7022368..... | 23                 | 7026188..... | 239, 247      |                  |                                                  |
| 7005889.....  | 49       | 7022371..... | 23                 | 7026199..... | 219           |                  |                                                  |

**SECTION 11 - SPECIAL OPTIONS**

91403230.....591, 593, 595,  
597, 599, 601, 603, 605,  
607, 609





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