



Illustrated Parts Manual

Models
400SC
460SJC

PVC
2401

P/N
31223010

June 3, 2024 - Rev B

ANSI

CE



UK
CA

AS/NZS



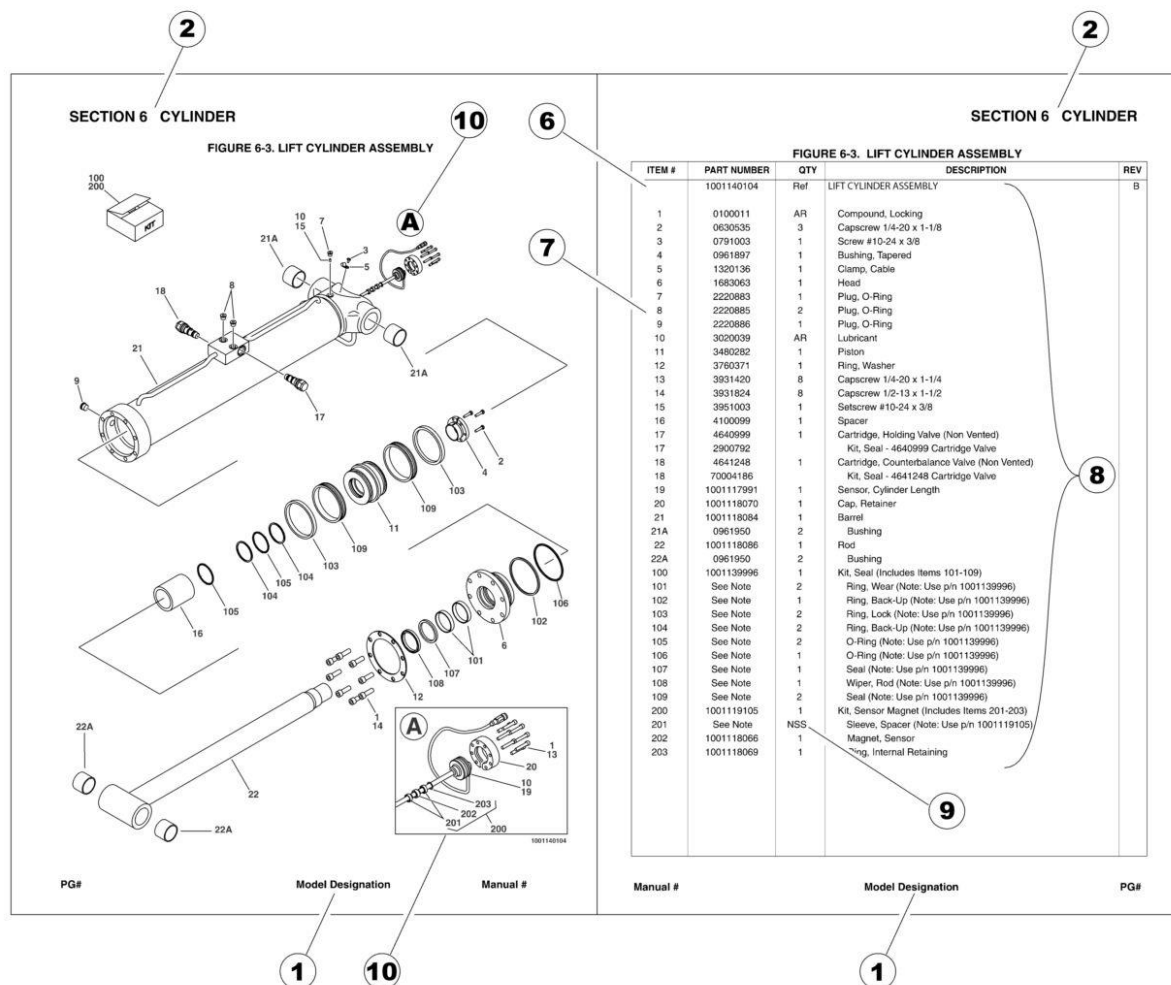
An Oshkosh Corporation Company

REVISION LOG

January 1, 2024 - A - Original Issue of Manual (Edited to B/M 1001260401 Revision V)

June 3, 2024 - B - Revised Manual (Edited to B/M 1001260401 Revision W)

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)..... Millimeter
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. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS.....	16
FIGURE 1-2. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS (NON-MARKING TRACKS).....	18
FIGURE 1-3. FRAME UNDERCARRIAGE STEEL TRACKS WITH PADS	20
FIGURE 1-4. UNDERCARRIAGE ASSEMBLY - WITH STEEL TRACKS	22
FIGURE 1-5. TRACK ASSEMBLY - STEEL	24
FIGURE 1-6. DRIVE HUB ASSEMBLY	26
FIGURE 1-7. DRIVE MOTOR ASSEMBLY	28
SECTION 2 - TURNTABLE.....	31
FIGURE 2-1. CONTROL VALVES INSTALLATION (400SC).....	32
FIGURE 2-2. CONTROL VALVES INSTALLATION (460SJC)	34
FIGURE 2-3. MAIN VALVE ASSEMBLY (400SC).....	36
FIGURE 2-4. MAIN VALVE ASSEMBLY (460SJC)	40
FIGURE 2-5. AXLE VALVE ASSEMBLY	44
FIGURE 2-6. AUXILIARY PUMP AND BATTERY INSTALLATION (WITHOUT DISCONNECT).....	46
FIGURE 2-7. AUXILIARY PUMP AND BATTERY INSTALLATION (WITH DISCONNECT)	48
FIGURE 2-8. AUXILIARY PUMP ASSEMBLY.....	50
FIGURE 2-9. SWING DRIVE INSTALLATION	52
FIGURE 2-10. SWING HUB/MOTOR ASSEMBLY.....	54
FIGURE 2-11. TURNTABLE BEARING INSTALLATION	58
FIGURE 2-12. BEARING LUBE INSTALLATION	60
FIGURE 2-13. TURNTABLE COVERS INSTALLATION	62
FIGURE 2-14. TURNTABLE LOCK INSTALLATION.....	64
FIGURE 2-15. ROTARY COUPLING INSTALLATION	66
FIGURE 2-16. TANKS INSTALLATION.....	68
FIGURE 2-17. ELECTRICAL INSTALLATION (400SC)	70
FIGURE 2-18. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) ENGINE (400SC)	72
FIGURE 2-19. ELECTRICAL INSTALLATION (460SJC)	74
FIGURE 2-20. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) ENGINE (460SJC).....	76
FIGURE 2-21. ELECTRICAL PANEL ASSEMBLY	78
FIGURE 2-22. GROUND CONTROL ASSEMBLY (400SC)	80
FIGURE 2-23. GROUND CONTROL ASSEMBLY	82
FIGURE 2-24. GROUND CONTROL ASSEMBLY (460SJC)	84
FIGURE 2-25. GROUND CONTROL ASSEMBLY - WITH DEUTZ (STAGE V) ENGINE (460SJC)	86
FIGURE 2-26. KEYSWITCH AND PANEL DECAL INSTALLATION (400SC).....	88
FIGURE 2-27. KEYSWITCH AND PANEL DECAL INSTALLATION (CE & UK CA (LRC) SPEC) (400SC).....	90
FIGURE 2-28. KEYSWITCH AND PANEL DECAL INSTALLATION - WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC) (400SC)	92
FIGURE 2-29. KEYSWITCH AND PANEL DECAL INSTALLATION (460SJC)	94
FIGURE 2-30. KEYSWITCH AND PANEL DECAL INSTALLATION (CE & UK CA (LRC) SPEC) (460SJC)	96
FIGURE 2-31. KEYSWITCH AND PANEL DECAL INSTALLATION - WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC) (460SJC).....	98
FIGURE 2-32. LIGHT PANEL INSTALLATION	100
FIGURE 2-33. GROUND CONTROL PANEL MOUNTING (400SC)	102

TABLE OF CONTENTS

FIGURE 2-34. GROUND CONTROL PANEL MOUNTING (460SJC)	104
FIGURE 2-35. GROUND CONTROL PANEL MOUNTING WITH DEUTZ (STAGE V) ENGINE	106
FIGURE 2-36. WHITE NOISE ALARM (AMBIENT) INSTALLATION	108
FIGURE 2-37. WHITE NOISE ALARM (CONSTANT) INSTALLATION	110
FIGURE 2-38. BEACON LIGHT INSTALLATION - AMBER.....	112
FIGURE 2-39. BEACON LIGHT INSTALLATION - BLUE.....	114
FIGURE 2-40. BEACON LIGHT INSTALLATION - RED.....	116
FIGURE 2-41. HOOD INSTALLATION (ABS)	118
FIGURE 2-42. HOOD INSTALLATION (STEEL).....	122
FIGURE 2-43. HOOD ASSEMBLY - ENGINE SIDE (ABS).....	126
FIGURE 2-44. HOOD ASSEMBLY - ENGINE SIDE (STEEL).....	128
FIGURE 2-45. ABS HOOD ASSEMBLY - TANK SIDE	130
FIGURE 2-46. STEEL HOOD ASSEMBLY - TANK SIDE	132
FIGURE 2-47. SOUND REDUCTION INSTALLATION - WITH STEEL HOODS (OPTIONAL).....	134
FIGURE 2-48. HOOD PLUGS INSTALLATION (HOODS WITHOUT STROBE LIGHT)	136
SECTION 3 - ENGINE	139
FIGURE 3-1. ENGINE INSTALLATION (DEUTZ D2011) (ANSI EXPORT SPECS)	140
FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY (DEUTZ D2011) (ANSI EXPORT SPECS).....	144
FIGURE 3-3. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (ANSI EXPORT SPECS).....	146
FIGURE 3-4. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS).....	150
FIGURE 3-5. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS).....	156
FIGURE 3-6. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPEC)	158
FIGURE 3-7. ENGINE COMPONENTS - DEUTZ D2011 (ANSI EXPORT SPECS)	162
FIGURE 3-8. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, CSA AND ANSI EXPORT SPECS)	166
FIGURE 3-9. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)	172
FIGURE 3-10. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)	174
FIGURE 3-11. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS).....	180
FIGURE 3-12. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)	186
FIGURE 3-13. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)	188
FIGURE 3-14. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS).....	194
FIGURE 3-15. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)	200
FIGURE 3-16. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS).....	202
FIGURE 3-17. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)	208
FIGURE 3-18. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS).....	214
FIGURE 3-19. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS).....	216
FIGURE 3-20. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)	222
FIGURE 3-21. ENGINE COMPONENTS - DEUTZ D2.9L4 ERM5 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)	226

TABLE OF CONTENTS

FIGURE 3-22. ENGINE INSTALLATION - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)	230
FIGURE 3-23. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS).....	236
FIGURE 3-24. ENGINE ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)	238
FIGURE 3-25. ENGINE COMPONENTS - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)	244
FIGURE 3-26. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITHOUT GENERATOR)	248
FIGURE 3-27. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITH GENERATOR).....	250
FIGURE 3-28. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)	252
FIGURE 3-29. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 (STAGE V) ENGINE)	254
FIGURE 3-30. GEAR PUMP ASSEMBLY	256
FIGURE 3-31. PISTON PUMP ASSEMBLY (FRONT)	258
FIGURE 3-32. PISTON PUMP ASSEMBLY (REAR).....	262
FIGURE 3-33. PUMP COUPLING KIT	266
FIGURE 3-34. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE.....	268
FIGURE 3-35. ENGINE BAFFLE INSTALLATION	270
FIGURE 3-36. ENGINE BAFFLE INSTALLATION - STEEL.....	272
FIGURE 3-37. ENGINE TRAY JACK.....	274
FIGURE 3-38. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)	276
FIGURE 3-39. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS).....	280
FIGURE 3-40. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)	284
FIGURE 3-41. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT, CE & UK CA (LRC) SPECS)	288
FIGURE 3-42. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS).....	292
FIGURE 3-43. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ (STAGE V) ENGINE) (CE & UK CA SPEC).....	296
FIGURE 3-44. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS).....	300
FIGURE 3-45. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS).....	304
FIGURE 3-46. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)	308
FIGURE 3-47. OIL COOLER INSTALLATION - DEUTZ D2011 ENGINES (ANSI EXPORT, CE & UK CA (LRC) SPECS).....	312
FIGURE 3-48. OIL COOLER INSTALLATION - DEUTZ D2.9L4 ENGINES/DEUTZ D2.9L4 (STAGE V) ENGINES (ANSI, ANSI EXPORT, CE, CSA, JAPAN & UK CA SPECS).....	314
FIGURE 3-49. SPARK ARRESTOR INSTALLATION - ANSI EXPORT SPECS	316
SECTION 4 - BOOM	319
FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION (400SC)	320
FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION (460SJC).....	322
FIGURE 4-3. MAIN BOOM ASSEMBLY (400SC).....	324
FIGURE 4-4. MAIN BOOM ASSEMBLY (460SJC).....	326
FIGURE 4-5. JIB BOOM ASSEMBLY (460SJC)	328
FIGURE 4-6. JIB BOOM ASSEMBLY (460SJC) (SN 0300307137 to Present)	330
FIGURE 4-7. ROTATOR ASSEMBLY (400SC).....	332
FIGURE 4-8. ROTATOR ASSEMBLY (460SJC).....	334
FIGURE 4-9. BOOM REST INSTALLATION	336
FIGURE 4-10. CAPACITY SWITCH INSTALLATION.....	338

TABLE OF CONTENTS

FIGURE 4-11. PLATFORM SUPPORT INSTALLATION	340
FIGURE 4-12. POWER TRACK INSTALLATION.....	342
FIGURE 4-13. TRANSPORT SWITCHES INSTALLATION	344
SECTION 5 - PLATFORM	347
FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 3FT (76CM X .91M) - DROP BAR ENTRY	348
FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) WITH SWING GATE	350
FIGURE 5-3. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE	352
FIGURE 5-4. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE	354
FIGURE 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) WITH DROP BAR	356
FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR	358
FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR	360
FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE	362
FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROPBAR	364
FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPBAR	366
FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPGATE	368
FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS).....	370
FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS).....	372
FIGURE 5-14. CONSOLE BOX INSTALLATION	374
FIGURE 5-15. CONSOLE BOX ASSEMBLY	376
FIGURE 5-16. FOOTSWITCH ASSEMBLY	378
FIGURE 5-17. LIGHT PANEL INSTALLATION.....	380
FIGURE 5-18. SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM (OPTIONAL)	382
FIGURE 5-19. SKYGUARD SYSTEM INSTALLATION	384
FIGURE 5-20. SKYGLAZIER INSTALLATION.....	386
FIGURE 5-21. SKYWELDER INSTALLATION (50HZ).....	388
FIGURE 5-22. SKYWELDER INSTALLATION (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)	390
FIGURE 5-23. SKYWELDER PREP PACKAGE (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS).....	392
FIGURE 5-24. WELDER ASSEMBLY	394
FIGURE 5-25. SKYEYE INSTALLATION	396
FIGURE 5-26. SKYLINE INSTALLATION	398
FIGURE 5-27. SKYSENSE MID TUBE SENSOR ASSEMBLY	400
FIGURE 5-28. SKYSENSE OVERHEAD SENSOR ASSEMBLY	402
FIGURE 5-29. TRAY INSTALLATION.....	404
FIGURE 5-30. USB CHARGER INSTALLATION.....	406
SECTION 6 - CYLINDER.....	409
FIGURE 6-1. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY.....	410
FIGURE 6-2. LIFT CYLINDER ASSEMBLY - MAIN BOOM.....	412
FIGURE 6-3. LIFT CYLINDER ASSEMBLY - JIB (460SJC)	414
FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB (460SJC)	416
FIGURE 6-5. MASTER CYLINDER ASSEMBLY	418
FIGURE 6-6. TELESCOPE CYLINDER ASSEMBLY	420
SECTION 7 - HYDRAULIC	423

TABLE OF CONTENTS

FIGURE 7-1. HYDRAULIC DIAGRAM (400SC)	424
FIGURE 7-2. HYDRAULIC DIAGRAM (460SJC)	432
SECTION 8 - ELECTRICAL	441
FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT, AND CSA SPECS)	442
FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)	444
FIGURE 8-3. AC BOX AT PLATFORM - 110V IEC YELLOW (CE & UK CA SPEC WITHOUT GENERATOR)	446
FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)	448
FIGURE 8-5. AC BOX AT PLATFORM - 220V IEC BLUE (CE & UK CA SPEC WITHOUT GENERATOR)	450
FIGURE 8-6. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPEC WITHOUT GENERATOR)	452
FIGURE 8-7. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPEC WITHOUT GENERATOR)	454
FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)	456
FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)	458
FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)	460
FIGURE 8-11. AC BOX AT PLATFORM - 220V AFSINT107 (CE & UK CA SPEC WITHOUT GENERATOR)	462
FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS (ANSI EXPORT AND CE & UK CA SPECS)	464
FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS)	466
FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS)	468
FIGURE 8-15. AC CABLE INSTALLATION - WITH THREE BREAKERS (CE & UK CA SPECS)	470
FIGURE 8-16. BATTERY DISCONNECT SWITCH	472
FIGURE 8-17. BEACON HARNESS - AMBER BEACON	474
FIGURE 8-18. BEACON HARNESS - BLUE & RED BEACONS	476
FIGURE 8-19. BOOM HARNESS (400SC)	478
FIGURE 8-20. BOOM HARNESS (460SJC)	480
FIGURE 8-21. BOOM CAPACITY PROXIMITY SWITCH HARNESS	482
FIGURE 8-22. BOOM TELE IN PROXIMITY SWITCH HARNESS	484
FIGURE 8-23. BREAKER BOX INSTALLATION - 16AMP BREAKER (CE & UK CA SPEC)	486
FIGURE 8-24. BREAKER BOX KIT - 16AMP BREAKER	488
FIGURE 8-25. BREAKER BOX KIT - 30MA/16 AMP	490
FIGURE 8-26. BREAKER BOX KIT WITH THREE BREAKERS	492
FIGURE 8-27. CABLES AND CLAMPS INSTALLATION -WITHOUT GENERATOR (400SC)	494
FIGURE 8-28. CABLES AND CLAMPS INSTALLATION -WITH 4000W-50HZ GENERATOR (400SC)	496
FIGURE 8-29. CABLES AND CLAMPS INSTALLATION -WITH 4000W-60HZ GENERATOR (400SC)	498
FIGURE 8-30. CABLES AND CLAMPS INSTALLATION -WITH 7500W GENERATOR (400SC)	500
FIGURE 8-31. CABLES AND CLAMPS INSTALLATION -WITHOUT GENERATOR (460SJC)	502
FIGURE 8-32. CABLES AND CLAMPS INSTALLATION - WITH 4000W GENERATOR 50HZ (460SJC)	504
FIGURE 8-33. CABLES AND CLAMPS INSTALLATION -WITH 4000W GENERATOR 60HZ (460SJC)	506
FIGURE 8-34. CABLES AND CLAMPS INSTALLATION - WITH 7500W GENERATOR (460SJC)	508
FIGURE 8-35. CLEARSKY INSTALLATION - 4G CANBUS CONNECTION (ALL SPECS)	510

TABLE OF CONTENTS

FIGURE 8-36. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (ANSI EXPORT, CE, JAPANESE & UK CA SPECS)	512
FIGURE 8-37. CLEARSKY INSTALLATION 3-WIRE GT1030 CONNECTION (ALL SPECS)	514
FIGURE 8-38. CLEARSKY HARNESS - 3G & 4G CANBUS CONNECTIONS	516
FIGURE 8-39. CLEARSKY HARNESS - 3 WIRE GT1030	518
FIGURE 8-40. ENGINE HARNESS - DEUTZ D2011	520
FIGURE 8-41. ENGINE HARNESS - DEUTZ D2.9L4	522
FIGURE 8-42. ENGINE HARNESS - DEUTZ D2.9L4 (STAGE V) ENGINE	526
FIGURE 8-43. FUEL HARNESS - DEUTZ D2.9L4 ENGINE	530
FIGURE 8-44. GROUND CONTROL BOX HARNESS	532
FIGURE 8-45. GENERATOR HARNESS - 4000W GENERATOR	534
FIGURE 8-46. GENERATOR HARNESS - 2500W GENERATOR (60HZ)	536
FIGURE 8-47. INTERFACE HARNESS - WITH 1 CELL LSS	538
FIGURE 8-48. LEFT DRIVE HARNESS	540
FIGURE 8-49. PLATFORM CONSOLE BOX HARNESS	542
FIGURE 8-50. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)	544
FIGURE 8-51. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)	546
FIGURE 8-52. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN (CE & UK CA SPEC)	548
FIGURE 8-53. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN (CE & UK CA SPEC)	550
FIGURE 8-54. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)	552
FIGURE 8-55. TURNTABLE HARNESS	554
FIGURE 8-56. VALVE HARNESS - MAIN VALVE	558
FIGURE 8-57. SKYLINE HARNESS	560
FIGURE 8-58. SKYEYE INTERMEDIATE HARNESS	562
FIGURE 8-59. SKYEYE RECEIVER HARNESS	564
FIGURE 8-60. SKYEYE EMITTER HARNESS	566
SECTION 9 - DECALS	569
FIGURE 9-1. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (400SC)	570
FIGURE 9-2. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (460SJC)	572
FIGURE 9-3. DECAL INSTALLATION - CE & UK CA SPEC (400SC)	574
FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPEC (460SJC)	576
FIGURE 9-5. DECAL INSTALLATION - CSA SPEC (400SC)	578
FIGURE 9-6. DECAL INSTALLATION - CSA SPEC (460SJC)	580
FIGURE 9-7. DECAL INSTALLATION - ANSI EXPORT - (JAPANESE SPECS) (400SC)	582
FIGURE 9-8. DECAL INSTALLATION - ANSI EXPORT - (JAPANESE SPECS) (460SJC)	584
FIGURE 9-9. DECAL INSTALLATION - ANSI EXPORT SPEC - (KOREAN SPECS) (400SC)	586
FIGURE 9-10. DECAL INSTALLATION - ANSI EXPORT SPEC - (KOREAN SPECS) (460SJC)	588
FIGURE 9-11. DECAL INSTALLATION - OPTIONS	590
FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 50HZ (ANSI EXPORT SPECS)	594
FIGURE 9-13. SKYWELDER DECAL INSTALLATION - 60HZ (ANSI EXPORT SPECS)	596
SECTION 10 - RECOMMENDED SERVICE PARTS STOCK	599
FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK	600
SECTION 11 - SPECIAL OPTIONS	603
FIGURE 11-1. SPECIAL OPTIONS/ACCESSORIES/KITS	604

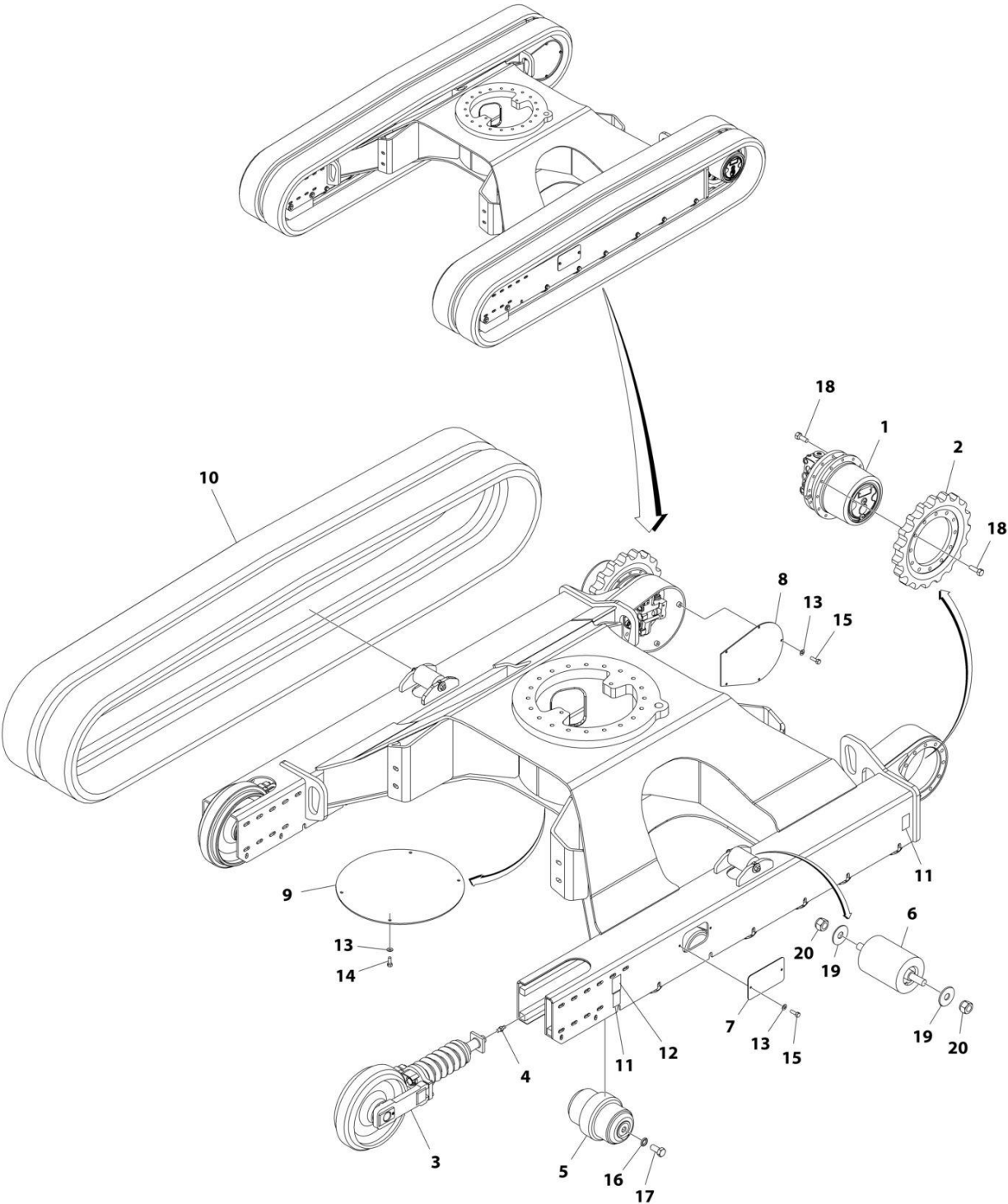
TABLE OF CONTENTS

PART NUMBER INDEX	607
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SECTION 1 - FRAME

SECTION 1 - FRAME

FIGURE 1-1. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS



ART_1001236609

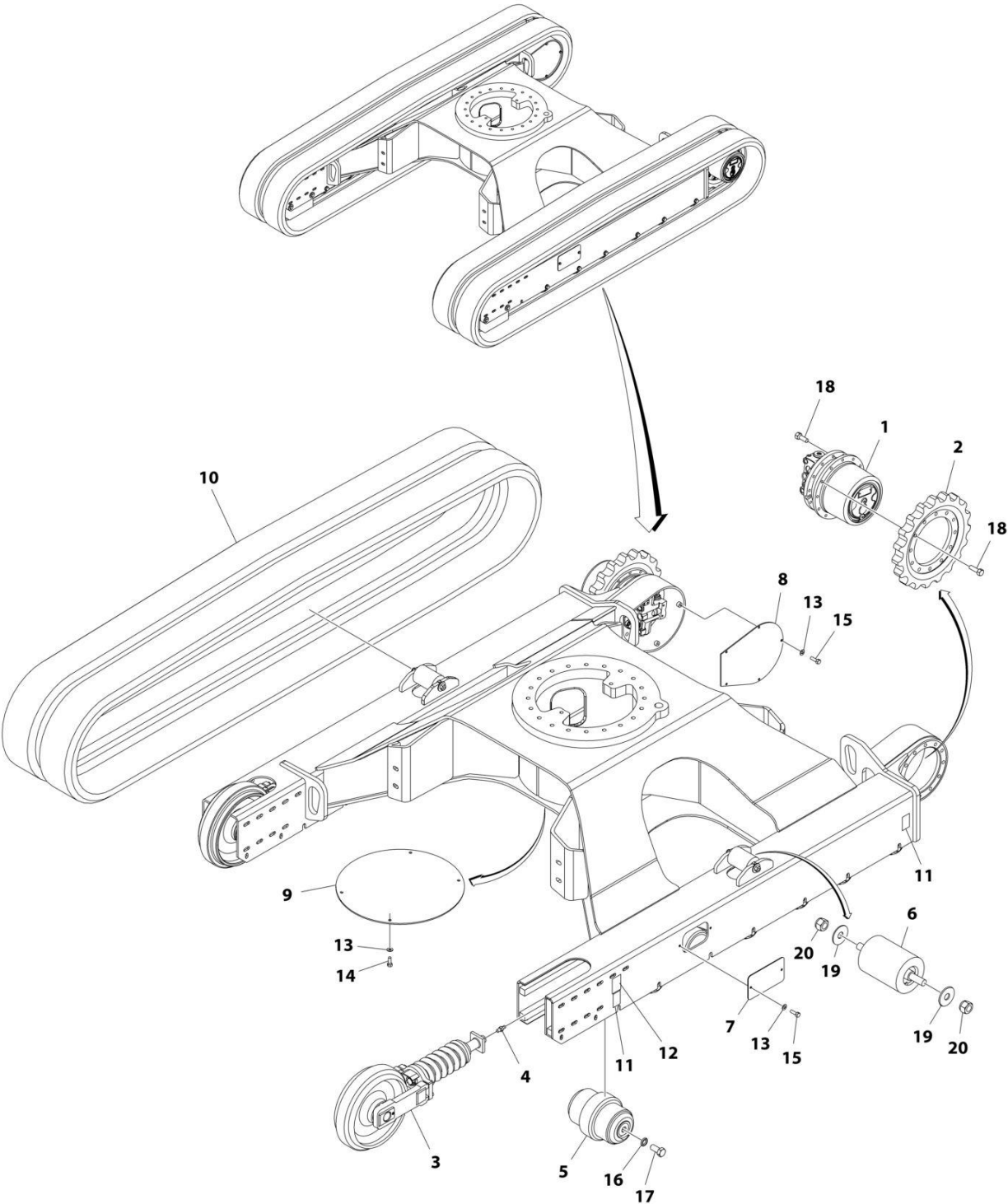
SECTION 1 - FRAME

FIGURE 1-1. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236609	Ref	UNDERCARRIAGE ASSEMBLY	D
1	70005275	2	Drive Hub Assembly (See Separate Breakdown in this Section)	
2	70005276	2	Sprocket, Drive	
3	70007471	2	Idler, Assembly	
4	70005278	2	Fitting, Grease	
5	70007472	14	Track Roller Assembly - Lower	
6	70005280	2	Track Roller Assembly - Upper	
7	70005281	2	Plate, Cover - Frame Side	
8	70005282	2	Plate, Cover - Drive Motor	
9	70005283	1	Plate, Cover - Frame Bottom	
10	1001190968	2	Track, Rubber (Bridgestone Poland)	
11	1703814	4	Decal - Tie Down	
12	1701499	2	Decal - No Lifting	
13	70005284	18	Washer M8	
14	70005285	4	Bolt M8 x 20	
15	70005286	12	Bolt M8 x 16	
16	70007406	28	Washer M16	
17	70005288	28	Bolt M16 x 35	
18	70005289	48	Bolt M14 x 40	
19	70007409	4	Washer M14	
20	70005291	4	Nut M8	

SECTION 1 - FRAME

FIGURE 1-2. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS (NON-MARKING TRACKS)



ART_1001244414

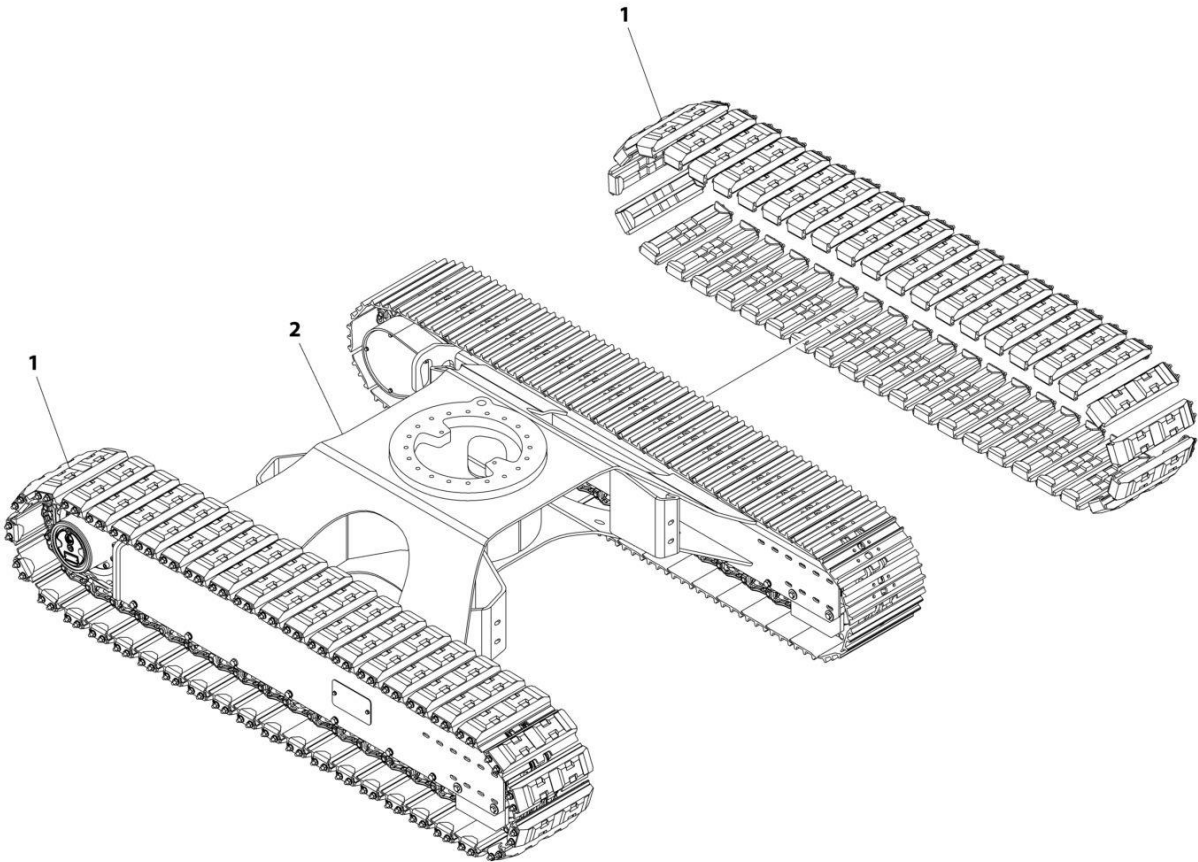
SECTION 1 - FRAME

FIGURE 1-2. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS (NON-MARKING TRACKS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244414	Ref	UNDERCARRIAGE ASSEMBLY	B
1	70005275	2	Drive Hub Assembly (See Separate Breakdown in this Section)	
2	70005276	2	Sprocket, Drive	
3	70007471	2	Idler, Assembly	
4	70005278	2	Fitting, Grease	
5	70007472	14	Track Roller Assembly - Lower	
6	70005280	2	Track Roller Assembly - Upper	
7	70005281	2	Plate, Cover - Frame Side	
8	70005282	2	Plate, Cover - Drive Motor	
9	70005283	1	Plate, Cover - Frame Bottom	
10	1001216550	2	Track, Rubber	
11	1703814	4	Decal - Tie Down	
12	1701499	2	Decal - No Lifting	
13	70005284	18	Washer M8	
14	70005285	4	Bolt M8 x 20	
15	70005286	12	Bolt M8 x 16	
16	70007406	28	Washer M16	
17	70005288	28	Bolt M16 x 35	
18	70005289	48	Bolt M14 x 40	
19	70007409	4	Washer M14	
20	70005291	4	Nut M8	

SECTION 1 - FRAME

FIGURE 1-3. FRAME UNDERCARRIAGE STEEL TRACKS WITH PADS



ART_100124421

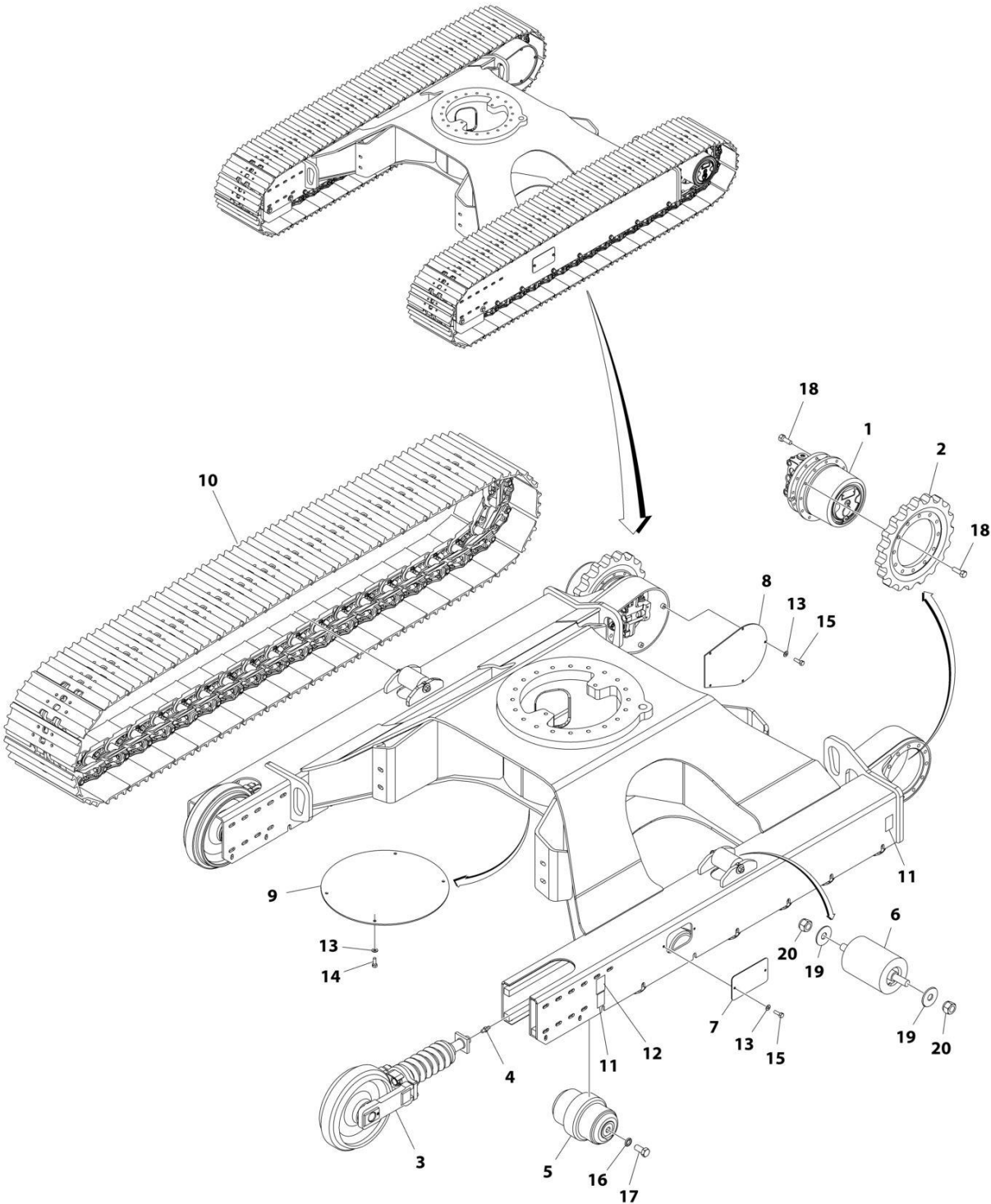
SECTION 1 - FRAME

FIGURE 1-3. FRAME UNDERCARRIAGE STEEL TRACKS WITH PADS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001244421	Ref	FRAME UNDERCARRIAGE STEEL TRACKS WITH PADS	B
	1001236608	1	Undercarriage Assembly (See Separate Breakdown in this Section)	
2	1001189805	2	Track Assembly - Steel (See Separate Breakdown in this Section)	
3	1001219904	86	Pad, Track	

SECTION 1 - FRAME

FIGURE 1-4. UNDERCARRIAGE ASSEMBLY - WITH STEEL TRACKS



ART_1001236608

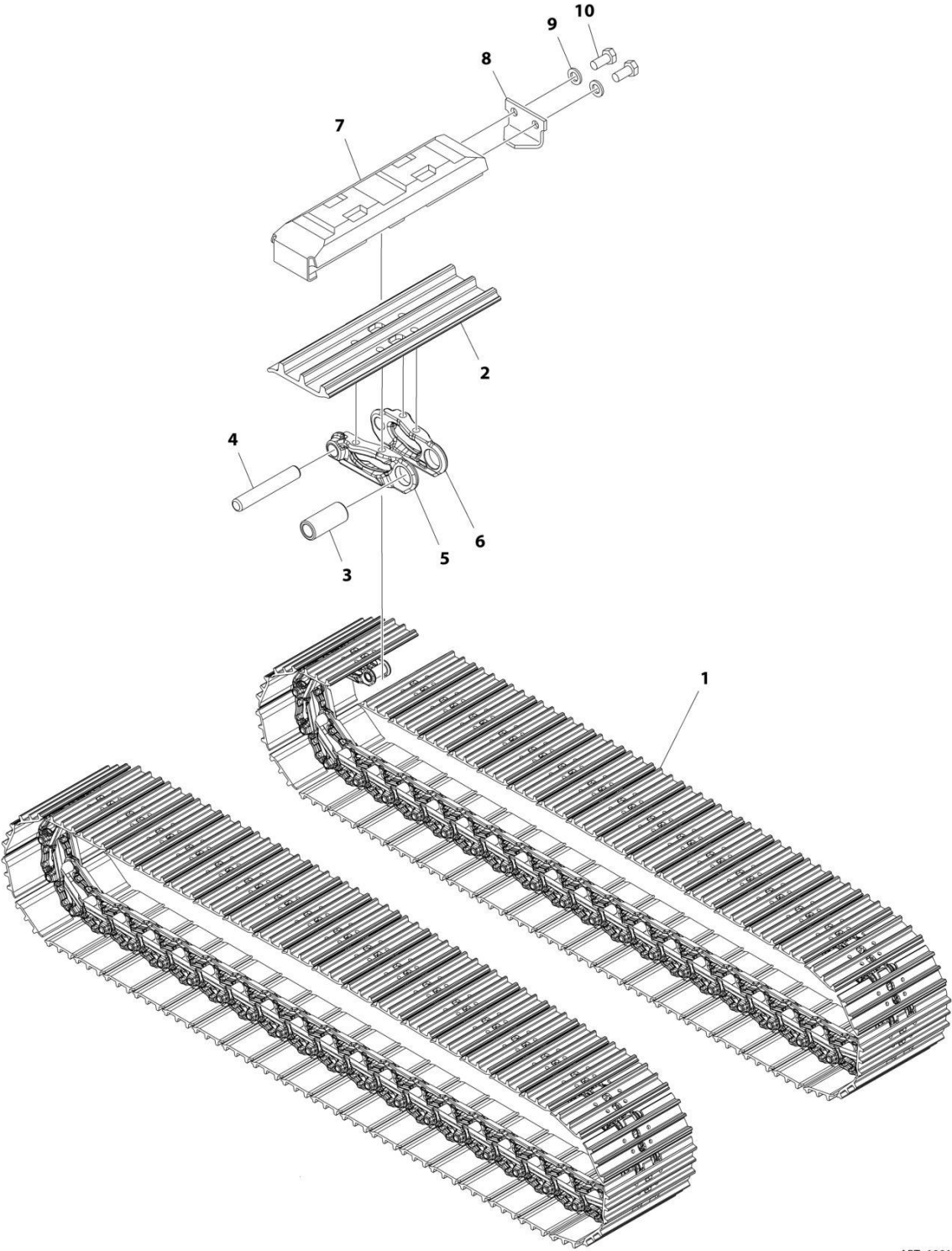
SECTION 1 - FRAME

FIGURE 1-4. UNDERCARRIAGE ASSEMBLY - WITH STEEL TRACKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236608	Ref	UNDERCARRIAGE ASSEMBLY	C
1	70005275	2	Drive Hub Assembly (See Separate Breakdown in this Section)	
2	70005276	2	Sprocket, Drive	
3	70007471	2	Idler, Assembly	
4	70005278	2	Fitting, Grease	
5	70007472	14	Track Roller Assembly - Lower	
6	70005280	2	Track Roller Assembly - Upper	
7	70005281	2	Plate, Cover - Frame Side	
8	70005282	2	Plate, Cover - Drive Motor	
9	70005283	1	Plate, Cover - Frame Bottom	
10	1001189805	2	Track, Steel (See Separate Breakdown in this Section)	
11	1703814	4	Decal - Tie Down	
12	1701499	2	Decal - No Lifting	
13	70005284	18	Washer M8	
14	70005285	4	Bolt M8 x 20	
15	70005286	12	Bolt M8 x 16	
16	70007406	28	Washer M16	
17	70005288	28	Bolt M16 x 35	
18	70005289	48	Bolt M14 x 40	
19	70007409	4	Washer M14	
20	70005291	4	Nut M8	

SECTION 1 - FRAME

FIGURE 1-5. TRACK ASSEMBLY - STEEL



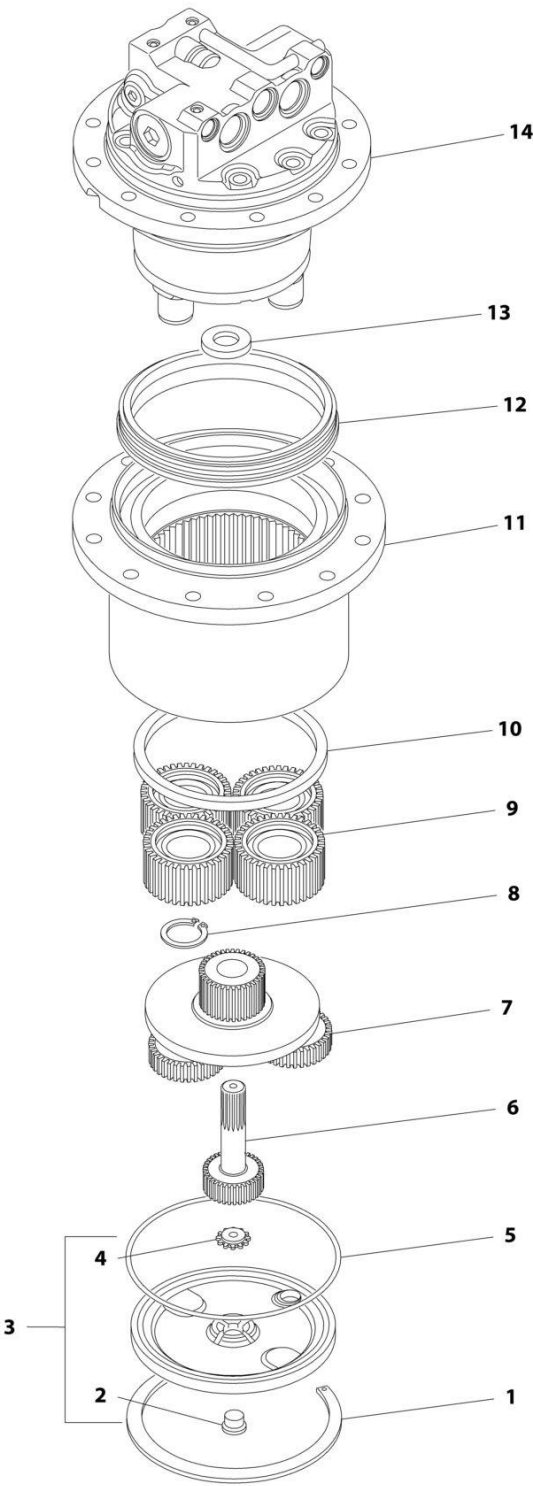
ART_1001189805

FIGURE 1-5. TRACK ASSEMBLY - STEEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189805	Ref	TRACK ASSEMBLY - STEEL	D
1	See Note	2	Track, Steel (Note: Purchase p/n 1001189805)	
2	See Note	NSS	Cleat, Track (Note: Not Available for Purchase)	
3	See Note	NSS	Bearing (Note: Not Available for Purchase)	
4	See Note	NSS	Pin, Hinge (Note: Not Available for Purchase)	
5	See Note	NSS	Link, Right (Note: Not Available for Purchase)	
6	See Note	NSS	Link, Left (Note: Not Available for Purchase)	
7	70005368	1	Pads, Rubber	
8	70005369	1	Plate, Mounting	
9	70005370	2	Washer M14	
10	70005371	2	Bolt M14 x 35	
11	70005367	1	Pad, Rubber (Not Shown)	

SECTION 1 - FRAME

FIGURE 1-6. DRIVE HUB ASSEMBLY



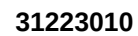
ART_70005275

FIGURE 1-6. DRIVE HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70005275	Ref	DRIVE HUB ASSEMBLY	
1	70005343	1	Retainer	
2	70005344	2	Plug	
3	70005345	1	Cover (Includes Items 2 & 4)	
4	70005346	1	Pad	
5	70005347	1	O-Ring	
6	70005348	1	Gear, Sun	
7	70005349	1	Gear, Reduction Assembly	
8	70005350	4	Retainer	
9	70005351	4	Gear, Planetary Assembly	
10	70005352	1	Nut	
11	70005353	1	Housing w/Bearing	
12	70005354	1	Gasket	
13	70005355	1	Ring, Centering	
14	70005356	1	Drive Motor Assembly (See Separate Breakdown in this Section)	

28

400SC_460SJC



ART_70005356

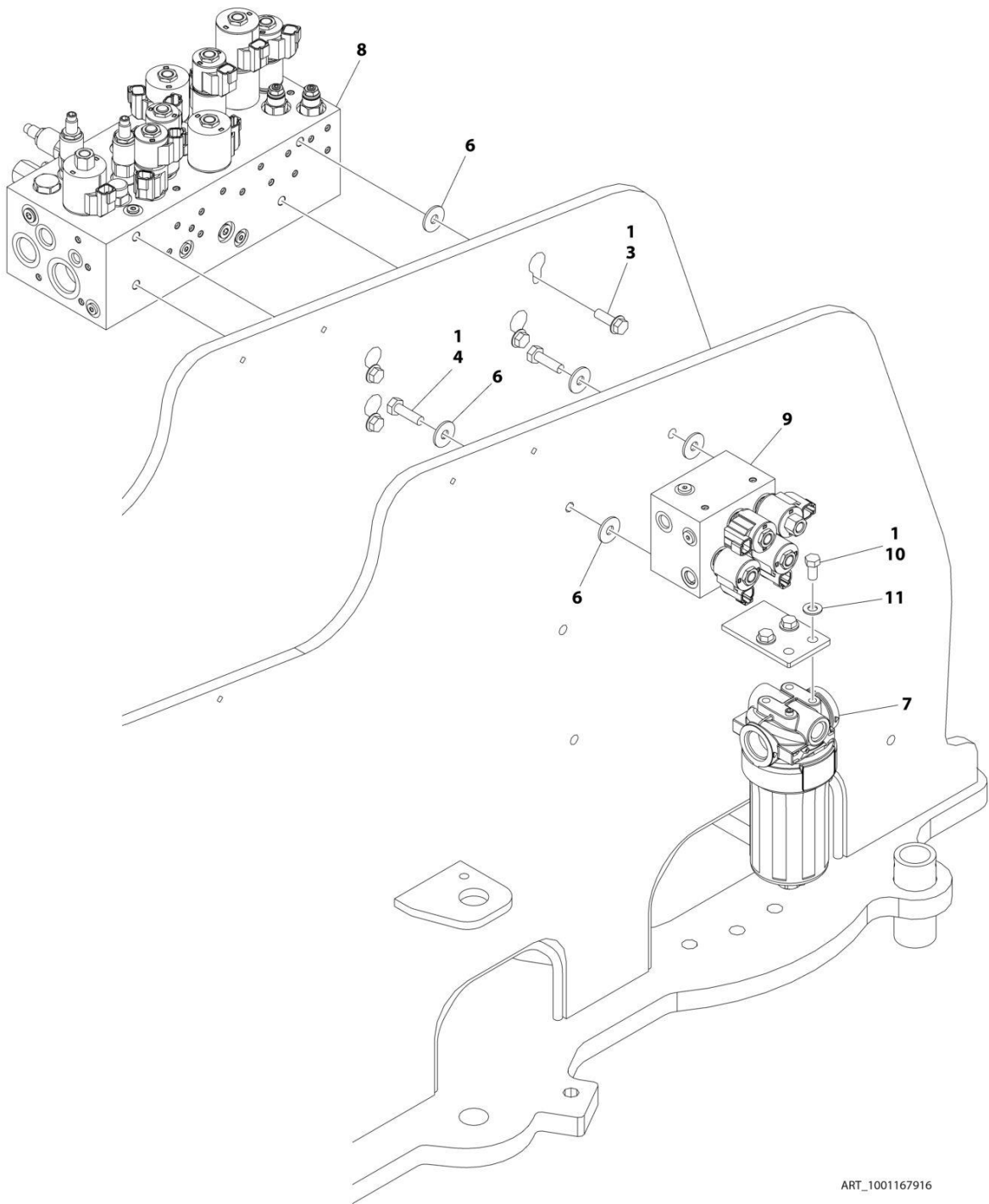
FIGURE 1-7. DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70005356	1	DRIVE MOTOR ASSEMBLY	
1	70005357	1	Base Plate Assembly	
2	70005358	1	Block, Cylinder	
3	70005359	1	Plate, Swash	
4	70005360	1	Shaft	
5	70005361	1	Seal Kit - Motor	
6	70005362	1	Bearing Kit	
7	70005363	1	Brake Kit	
8	70005364	1	Seals	
9	70005365	1	Speed Spool Kit	
10	70005366	1	Flushing Kit	
11	See Note	NSS	Housing (Note: Not Available for Purchase)	

SECTION 2 - TURNTABLE

SECTION 2 - TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATION (400SC)



ART_1001167916

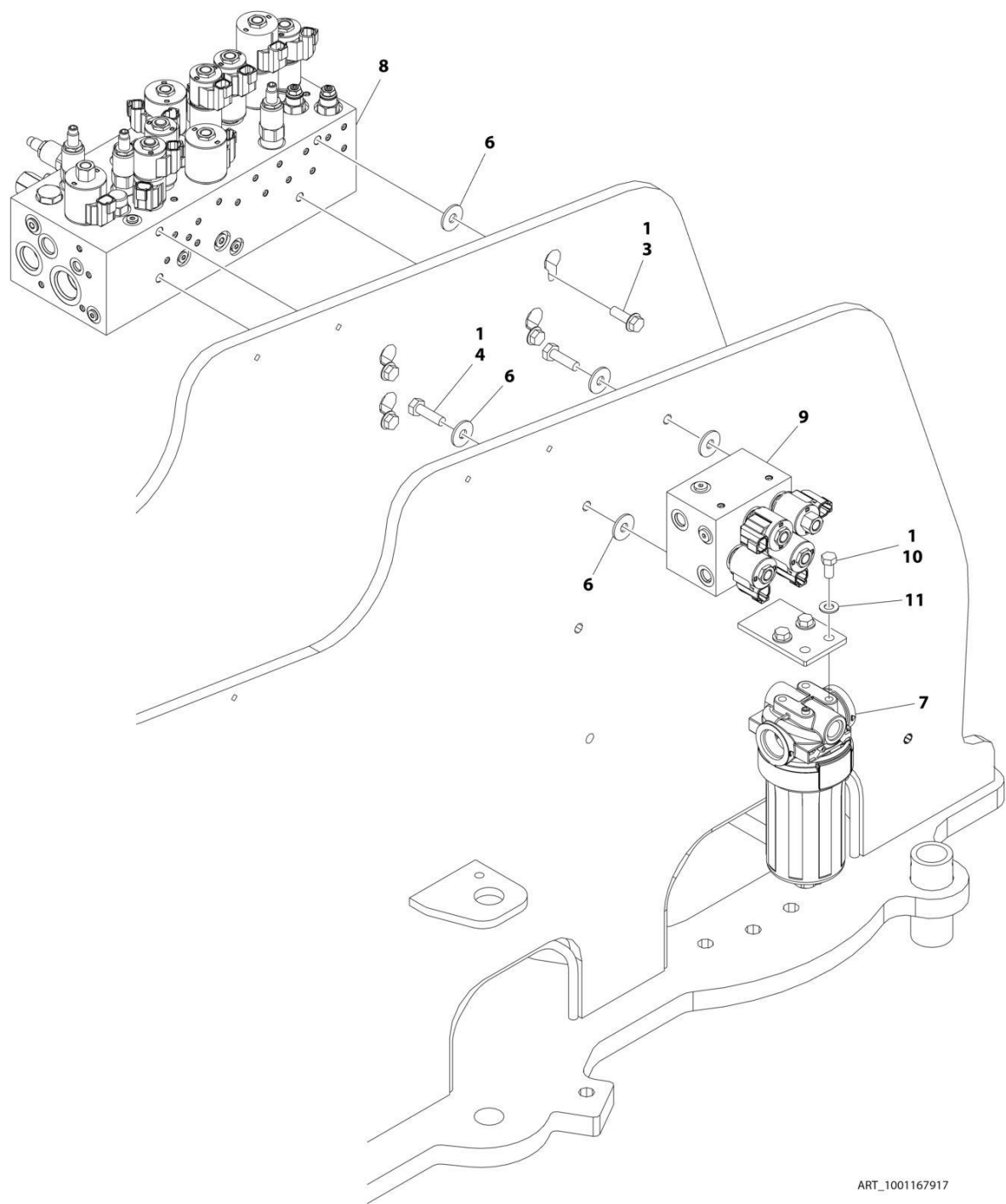
SECTION 2 - TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATION (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167916	Ref	CONTROL VALVES INSTALLATION	F
1	0100011	AR	Compound, Locking	
3	5251014	4	Bolt M10 x 30	
4	0761015	2	Bolt M10 x 35	
6	4812002	8	Washer M10	
7	1001208874	1	Filter, Charge Pump	
7	70010383	1	Element, Filter (Includes O-Ring)	
8	1001162531	1	Main Valve Assembly (See Separate Breakdown in this Section)	
9	1001162538	1	Axle Valve Assembly (See Separate Breakdown in this Section)	
10	0761010	3	Bolt M10 x 20	
11	4812000	3	Washer M10	

SECTION 2 - TURNTABLE

FIGURE 2-2. CONTROL VALVES INSTALLATION (460SJC)



ART_1001167917

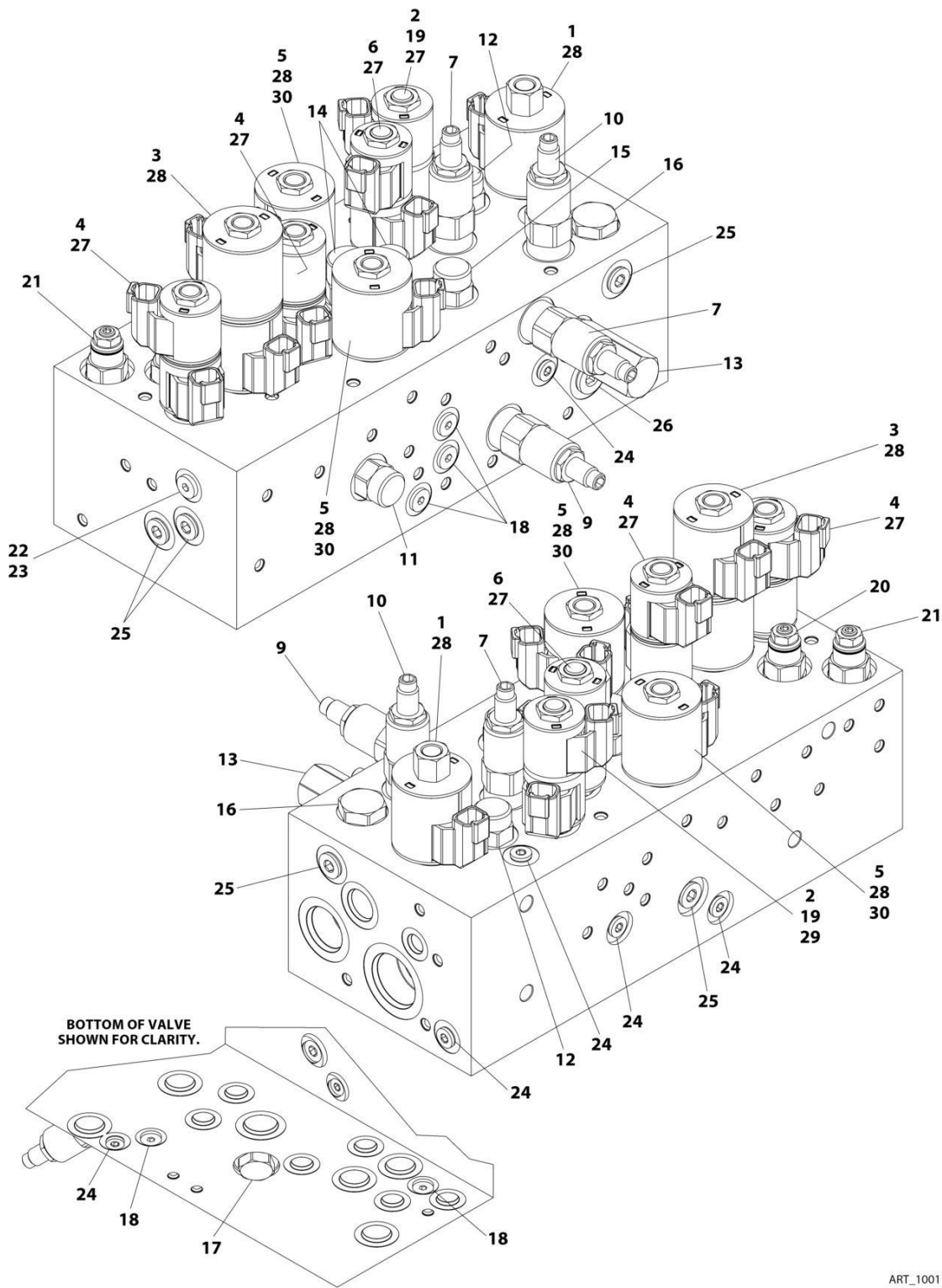
SECTION 2 - TURNTABLE

FIGURE 2-2. CONTROL VALVES INSTALLATION (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167917	Ref	CONTROL VALVES INSTALLATION	F
1	0100011	AR	Compound, Locking	
3	5251014	4	Bolt M10 x 30	
4	0761015	2	Bolt M10 x 35	
6	4812002	8	Washer M10	
7	1001208874	1	Filter, Charge Pump	
7	70010383	1	Element, Filter (Includes O-Ring)	
8	1001162532	1	Main Valve Assembly (See Separate Breakdown in this Section)	
9	1001162538	1	Axle Valve Assembly (See Separate Breakdown in this Section)	
10	0761010	3	Bolt M10 x 20	
11	4812000	3	Washer M10	

SECTION 2 - TURNTABLE

FIGURE 2-3. MAIN VALVE ASSEMBLY (400SC)



ART_1001162531

SECTION 2 - TURNTABLE

FIGURE 2-3. MAIN VALVE ASSEMBLY (400SC)

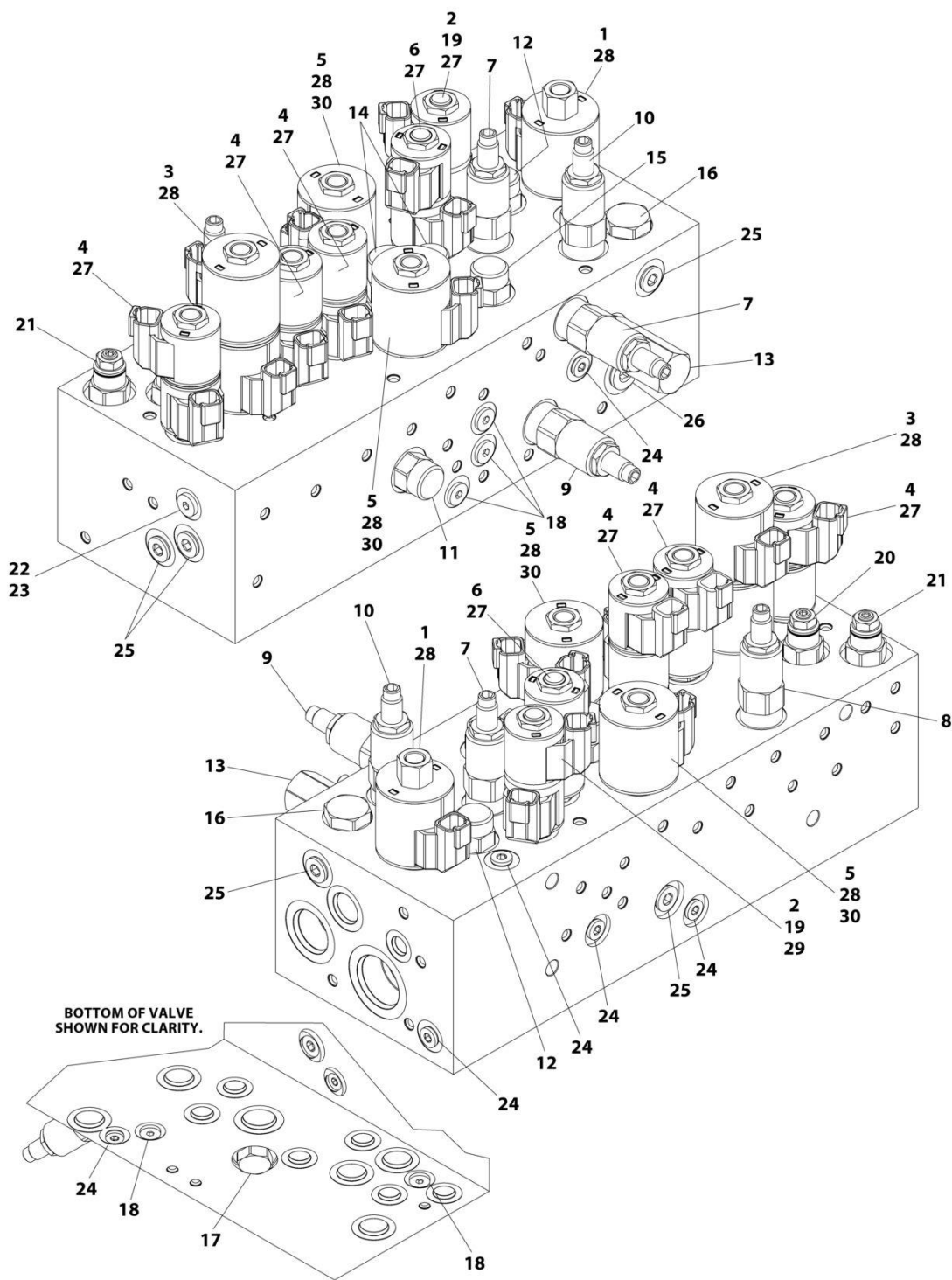
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162531	Ref	MAIN VALVE ASSEMBLY	F
1	70005069	1	Cartridge, Solenoid Less Coil (Main Dump)	
1	7022399	1	Seal Kit - 70005069 Valve	
1	70003977	1	Nut, Coil	
2	70005217	1	Cartridge, Solenoid Less Coil (Steer)	
2	70005071	1	Seal Kit - 70005217 Valve	
2	7022390	1	Nut, Coil	
3	70005072	1	Cartridge, Solenoid Less Coil (Tele)	
3	70005073	1	Seal Kit - 70005072 Valve	
3	7022390	1	Nut, Coil	
3	70003024	1	Spacer, Coil	
4	70005074	2	Cartridge, Solenoid Valve Less Coil (Platform Level and Rotate)	
4	70005075	2	Seal Kit - 70005074 Valve	
4	7022390	2	Nut, Coil	
4	70003023	2	Spacer, Coil	
5	70005076	2	Cartridge, Solenoid Less Coil (Lift Up and Flow Control)	
5	7022399	2	Seal Kit - 70005076 Valve	
5	7022390	2	Nut, Coil	
6	70005077	1	Cartridge, Solenoid Valve Less Coil (Swing)	
6	70005071	1	Seal Kit - 70005077 Valve	
6	7022390	1	Nut, Coil	
6	70003023	1	Spacer, Coil	
7	70005078	2	Cartridge, Relief Valve	
7	7023936	2	Seal Kit - 70005078 Valve	
9	70005079	1	Cartridge, Relief Valve	
9	7023936	1	Seal Kit - 70005079 Valve	
10	70005080	1	Cartridge, Relief Valve	
10	7022399	1	Seal Kit - 70005080 Valve	
11	70005081	1	Cartridge, Valve	
11	70005082	1	Seal Kit - 70005081 Valve	
12	70005218	1	Cartridge, Valve	
12	70005082	1	Seal Kit - 70005218 Valve	
13	70005084	1	Cartridge, Valve	
13	70005085	1	Seal Kit - 70005084 Valve	
14	70005086	2	Cartridge, Valve	
14	70005087	2	Seal Kit - 70005086 Valve	
15	70005088	1	Cartridge, Valve	
15	7023900	1	Seal Kit - 70005088 Valve	
16	70003408	1	Cartridge, Valve	
16	7022399	1	Seal Kit - 70005100 Valve	
17	70005089	1	Cartridge, Check Valve	
17	7023936	1	Seal Kit - 70005089 Valve	
18	70005090	5	Cartridge, Check Valve	
18	70005092	5	Seal Kit - 70005090 Valve	
19	70002974	1	Disc, Check Valve	
20	70005108	1	Cartridge, Valve	
20	2900770	1	Seal Kit - 70005108 Valve	
21	70005109	1	Cartridge, Valve	
21	2900770	1	Seal Kit - 70005109 Valve	
22	70005091	1	Orifice	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
23	2220883	1	Plug, O-Ring #4	
24	91164059	6	Plug	
25	91164079	6	Plug	
26	91164057	1	Plug	
27	70002386	6	Coil	
28	70003788	5	Coil	
29	70005219	2	Coil	
30	70005724	2	Lockdown Kit	

SECTION 2 - TURNTABLE

FIGURE 2-4. MAIN VALVE ASSEMBLY (460SJC)



ART_1001162532

SECTION 2 - TURNTABLE

FIGURE 2-4. MAIN VALVE ASSEMBLY (460SJC)

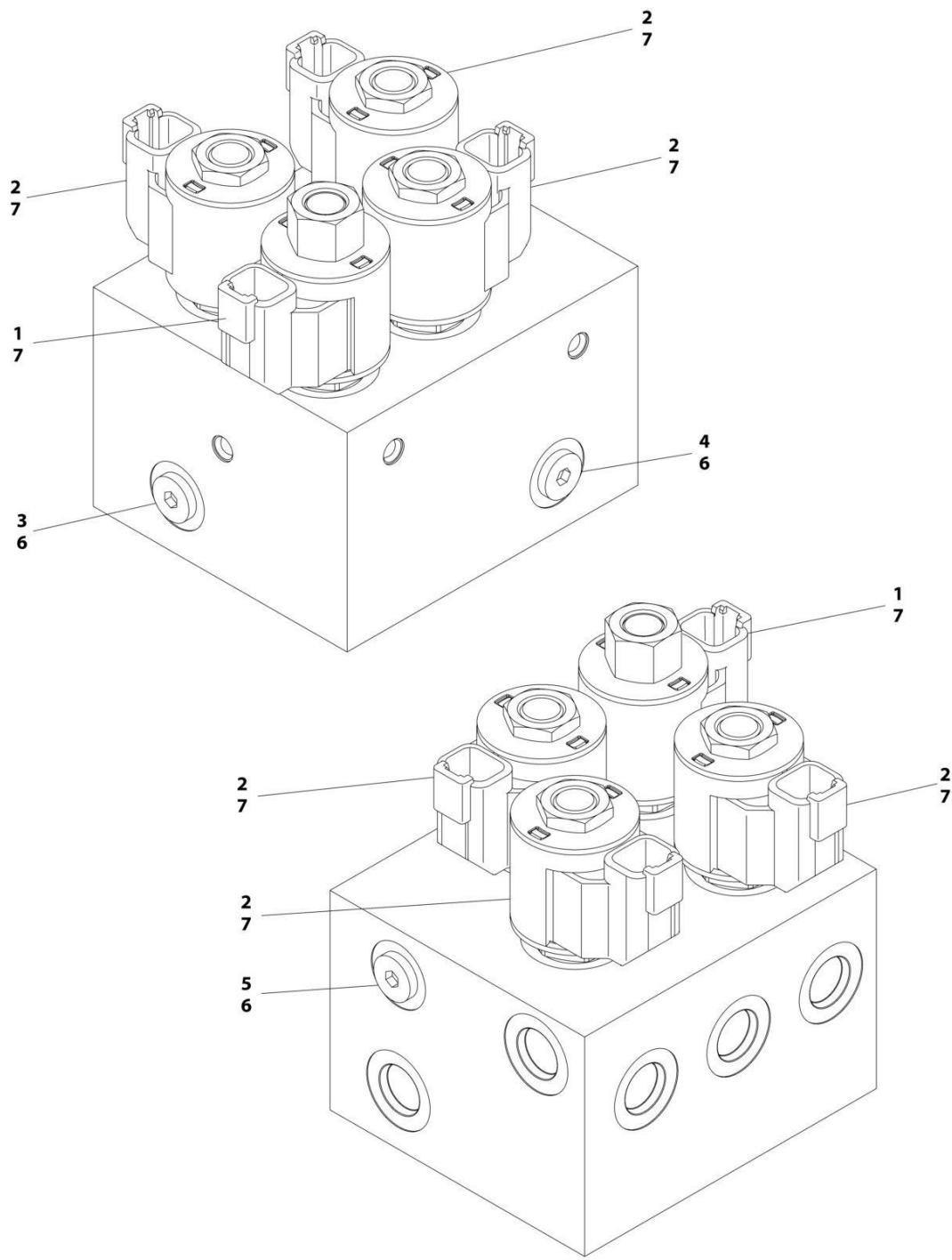
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162532	Ref	MAIN VALVE ASSEMBLY	F
1	70005069	1	Cartridge, Solenoid Less Coil (Main Dump)	
1	7022399	1	Seal Kit - 70005069 Valve	
1	70003977	1	Nut, Coil	
2	70005217	1	Cartridge, Solenoid Less Coil (Steer)	
2	70005071	1	Seal Kit - 70005217 Valve	
2	7022390	1	Nut, Coil	
3	70005072	1	Cartridge, Solenoid Less Coil (Tele)	
3	70005073	1	Seal Kit - 70005072 Valve	
3	7022390	1	Nut, Coil	
3	70003024	1	Spacer, Coil	
4	70005074	3	Cartridge, Solenoid Valve Less Coil (Platform Level, Platform Rotate and Jib Lift)	
4	70005075	3	Seal Kit - 70005074 Valve	
4	7022390	3	Nut, Coil	
4	70003023	3	Spacer, Coil	
5	70005076	2	Cartridge, Solenoid Less Coil (Lift Up and Flow Control)	
5	7022399	2	Seal Kit - 70005076 Valve	
5	7022390	2	Nut, Coil	
6	70005077	1	Cartridge, Solenoid Valve Less Coil (Swing)	
6	70005071	1	Seal Kit - 70005077 Valve	
6	7022390	1	Nut, Coil	
6	70003023	1	Spacer, Coil	
7	70005078	2	Cartridge, Relief Valve	
7	7023936	2	Seal Kit - 70005078 Valve	
8	70005093	1	Cartridge, Valve	
8	7023936	1	Seal Kit - 70005093 Valve	
9	70005079	1	Cartridge, Relief Valve	
9	7023936	1	Seal Kit - 70005079 Valve	
10	70005080	1	Cartridge, Relief Valve	
10	7022399	1	Seal Kit - 70005080 Valve	
11	70005081	1	Cartridge, Valve	
11	70005082	1	Seal Kit - 70005081 Valve	
12	70005218	1	Cartridge, Valve	
12	70005082	1	Seal Kit - 70005218 Valve	
13	70005084	1	Cartridge, Valve	
13	70005085	1	Seal Kit - 70005084 Valve	
14	70005086	2	Cartridge, Valve	
14	70005087	2	Seal Kit - 70005086 Valve	
15	70005088	1	Cartridge, Valve	
15	7023900	1	Seal Kit - 70005088 Valve	
16	70003408	1	Cartridge, Valve	
16	7022399	1	Seal Kit - 70005100 Valve	
17	70005089	1	Cartridge, Check Valve	
17	7023936	1	Seal Kit - 70005089 Valve	
18	70005090	5	Cartridge, Check Valve	
18	70005092	5	Seal Kit - 70005090 Valve	
19	70002974	1	Disc, Check Valve	
20	70005108	1	Cartridge, Valve	
20	2900770	1	Seal Kit - 70005108 Valve	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	70005109	1	Cartridge, Valve	
21	2900770	1	Seal Kit - 70005109 Valve	
22	70005091	1	Orifice	
23	2220883	1	Plug, O-Ring #4	
24	91164059	6	Plug	
25	91164079	6	Plug	
26	91164057	1	Plug	
27	70002386	8	Coil	
28	70003788	5	Coil	
29	70005219	2	Coil	
30	70005724	2	Lockdown Kit	

SECTION 2 - TURNTABLE

FIGURE 2-5. AXLE VALVE ASSEMBLY



ART_1001162538

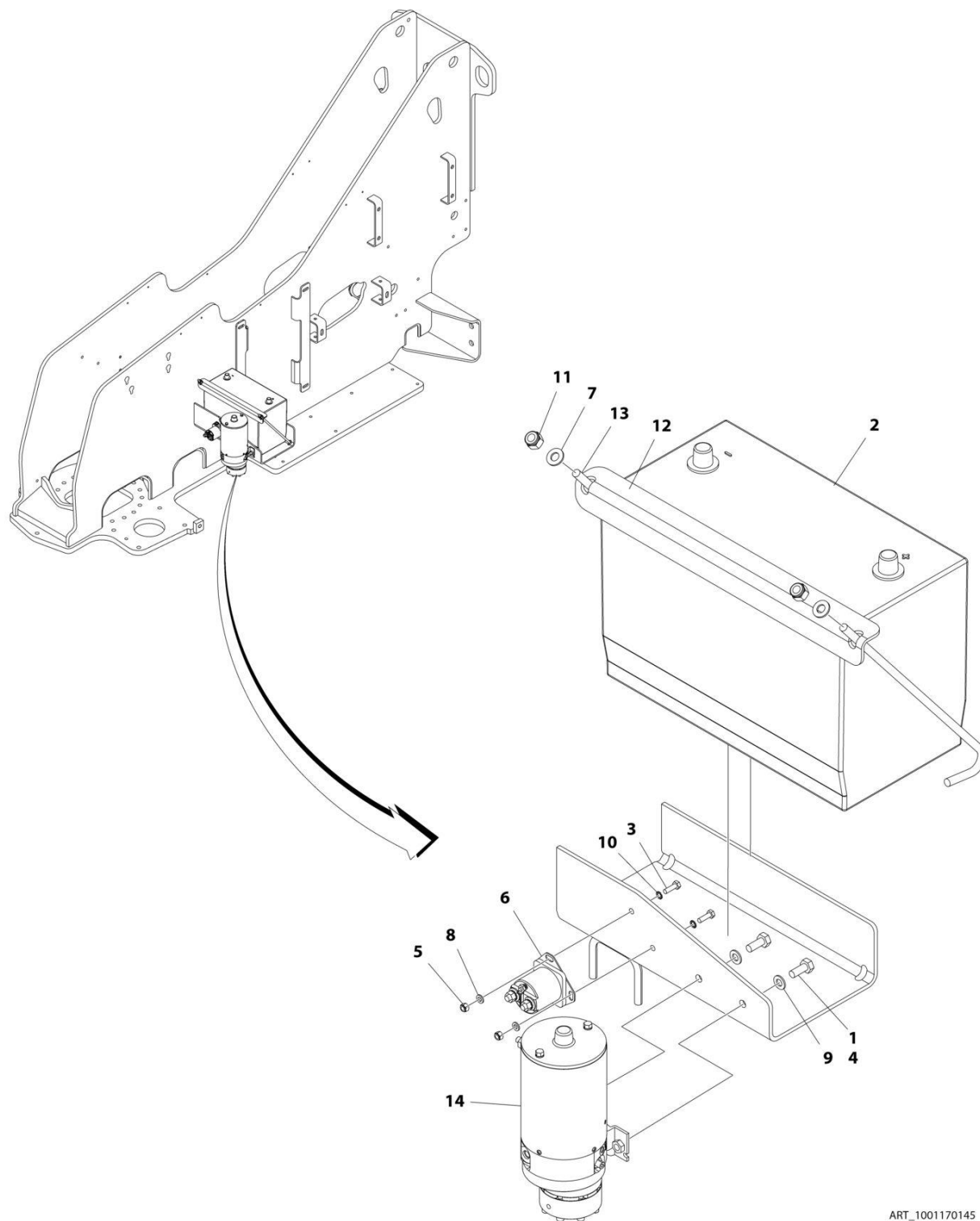
SECTION 2 - TURNTABLE

FIGURE 2-5. AXLE VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162538	Ref	AXLE VALVE ASSEMBLY	D
1	7017410	1	Cartridge, Solenoid Valve Less Coil (Secondary Axle Release)	
1	7012967	1	Seal Kit - 7017410 Valve	
2	7012941	3	Cartridge, Solenoid Valve Less Coil (Brake Release, Primary Axle Release and 2 Speed)	
2	7010543	3	Seal Kit - 7012941 Valve	
3	70004883	1	Orifice	
4	70004884	1	Orifice	
5	70002063	1	Orifice	
6	2220883	3	Plug, O-Ring #4	
7	70002386	4	Coil	

SECTION 2 - TURNTABLE

FIGURE 2-6. AUXILIARY PUMP AND BATTERY INSTALLATION (WITHOUT DISCONNECT)



ART_1001170145

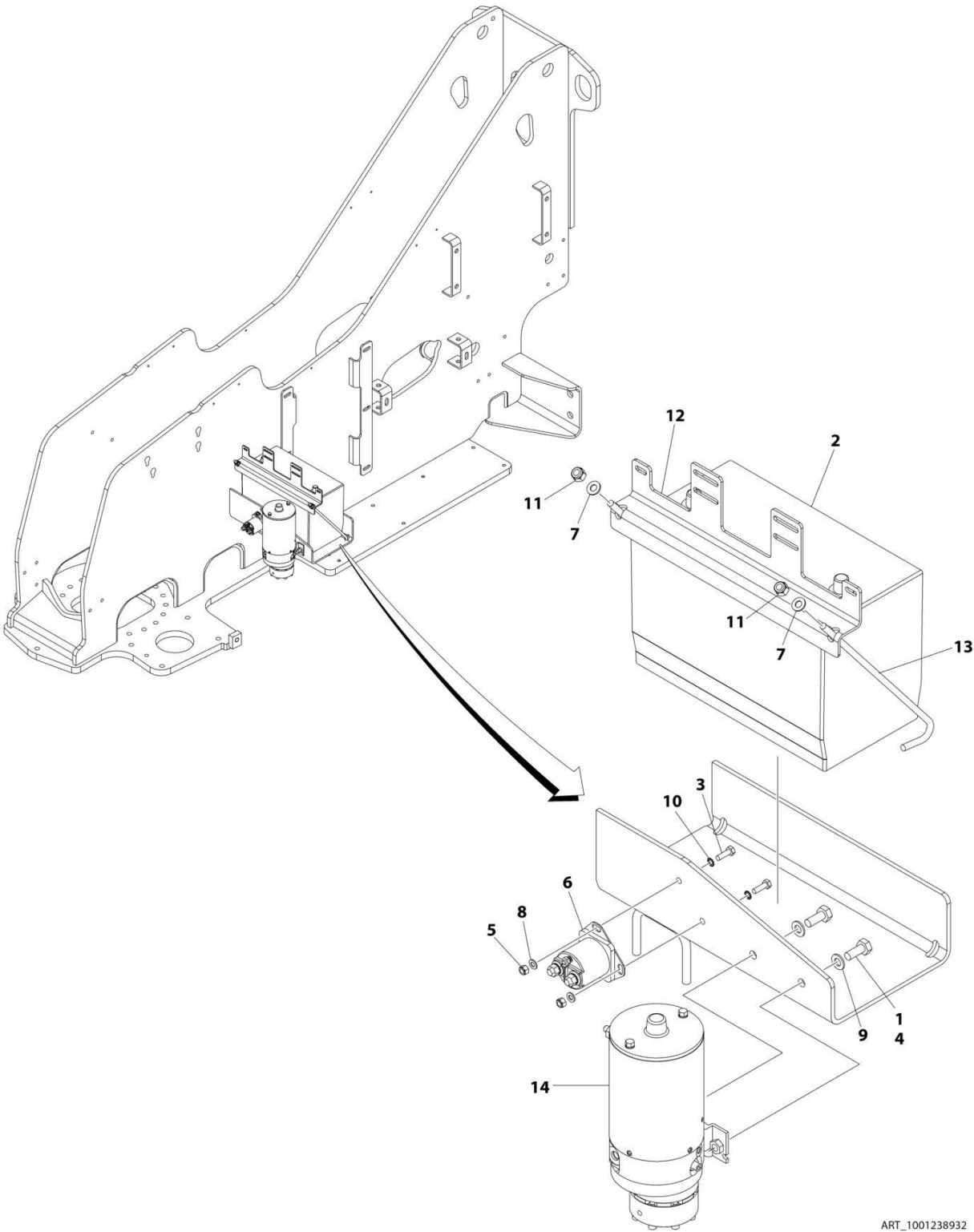
SECTION 2 - TURNTABLE

FIGURE 2-6. AUXILIARY PUMP AND BATTERY INSTALLATION (WITHOUT DISCONNECT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170145	Ref	AUXILIARY PUMP AND BATTERY INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0760610	2	Bolt M6 x 20	
4	0761012	2	Bolt M10 x 25	
5	3290605	2	Nut M6	
6	3740067	1	Relay	
6	3300220	2	Nut 3/8	
6	3321001	1	Nut #10	
6	4761000	1	Washer #10	
6	1001111424	2	Washer 3/8	
7	4711500	2	Washer 5/16	
8	4811700	2	Washer M6	
9	4812000	2	Washer M10	
10	4871700	2	Washer M6	
11	88521205	2	Nut 5/16	
12	91401281	1	Bracket	
13	1001093382	2	J-Bolt	
14	1001185821	1	Auxiliary Pump Assembly (See Separate Breakdown in this Section)	

SECTION 2 - TURNTABLE

FIGURE 2-7. AUXILIARY PUMP AND BATTERY INSTALLATION (WITH DISCONNECT)



ART_1001238932

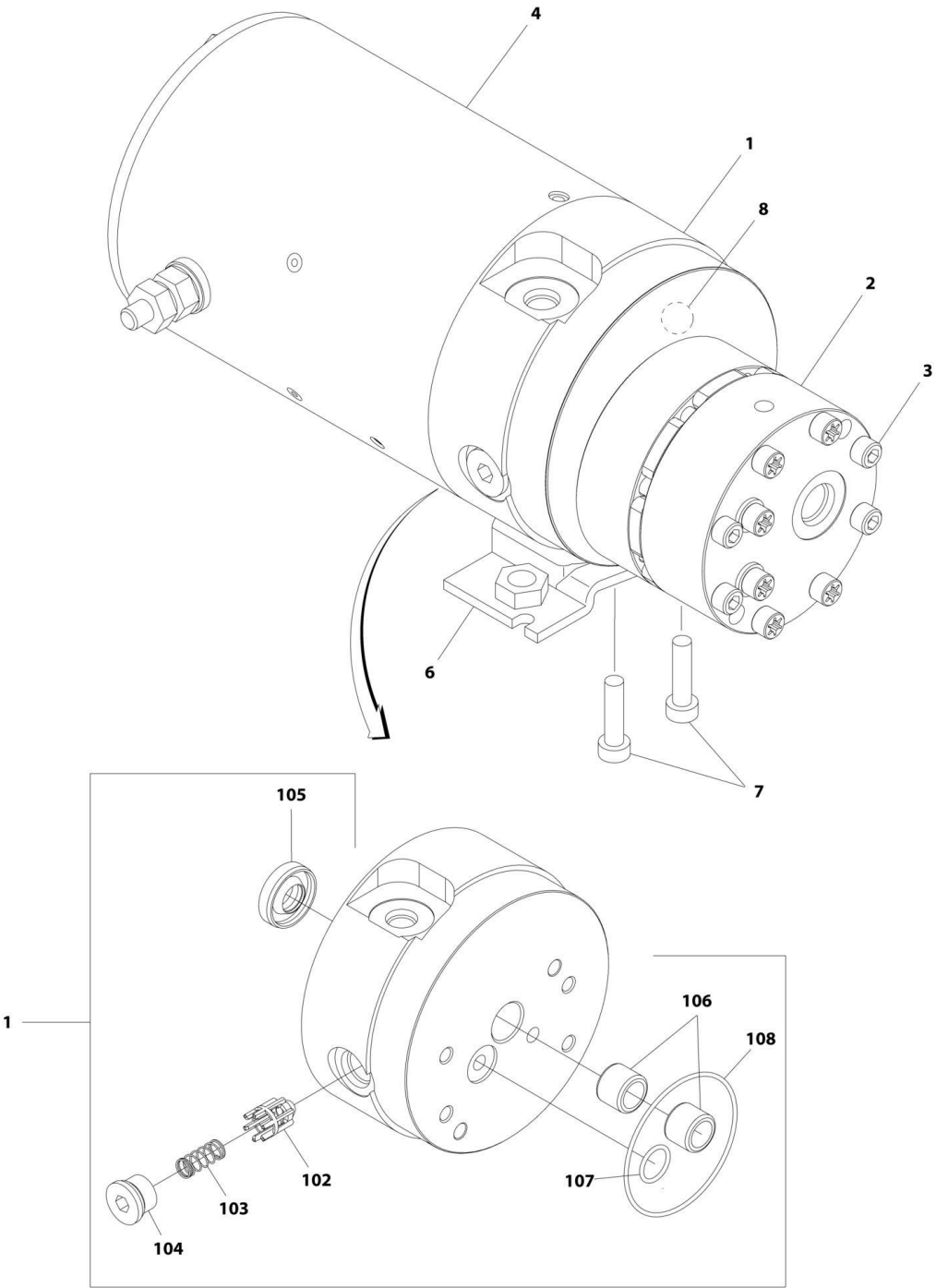
SECTION 2 - TURNTABLE

FIGURE 2-7. AUXILIARY PUMP AND BATTERY INSTALLATION (WITH DISCONNECT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238932	Ref	AUXILIARY PUMP AND BATTERY INSTALLATION WITH DISCONNECT	A
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0760610	2	Bolt M6 x 20	
4	0761012	2	Bolt M10 x 25	
5	3290605	2	Nut M6	
6	3740067	1	Relay	
6	3300220	2	Nut 3/8	
6	3321001	1	Nut #10	
6	4761000	1	Washer #10	
6	1001111424	2	Washer 3/8	
7	4711500	2	Washer 5/16	
8	4811700	2	Washer M6	
9	4812000	2	Washer M10	
10	4871700	2	Washer M6	
11	88521205	2	Nut 5/16	
12	1001236303	1	Bracket	
13	1001093382	2	J-Bolt	
14	1001185821	1	Auxiliary Pump Assembly (See Separate Breakdown in this Section)	

SECTION 2 - TURNTABLE

FIGURE 2-8. AUXILIARY PUMP ASSEMBLY



ART_1001185821

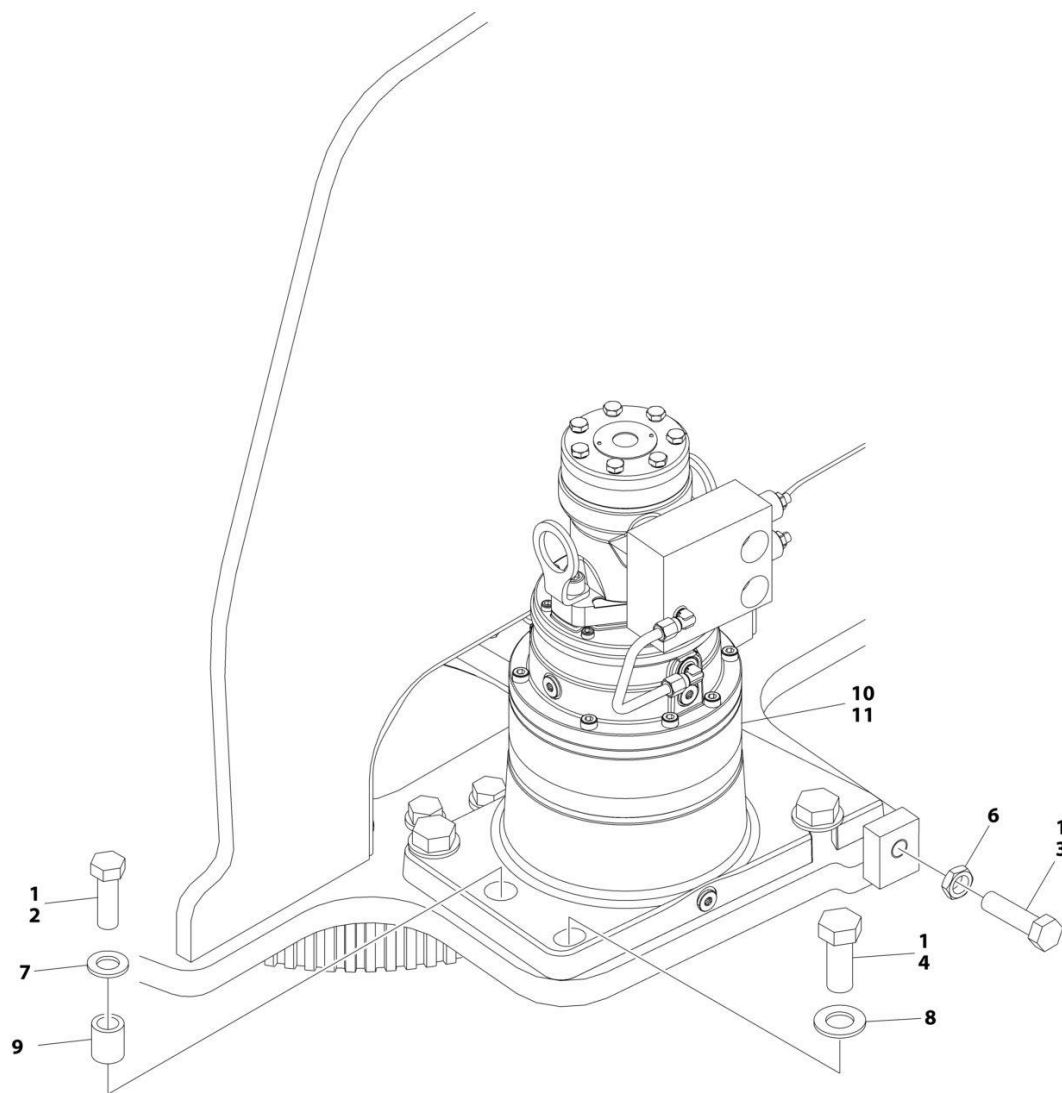
SECTION 2 - TURNTABLE

FIGURE 2-8. AUXILIARY PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185821	Ref	AUXILIARY PUMP ASSEMBLY	B
1	70005065	1	Base Assembly (See Items 102-108 for Breakdown)	
2	70005066	1	Pump Assembly (Note: No Seal Kit or Internal Components are Available - Purchase Complete Pump Assembly)	
3	70005067	4	Capscrew 1/4 x 2-3/4	
4	70004013	1	Motor Assembly (Note: No Internal Components are Available - Purchase Complete Motor Assembly)	
6	70004014	1	Bracket	
7	70004000	2	Capscrew 3/8 x 1	
8	70005068	1	Relief Valve Assembly	
	70005065	Ref	BASE ASSEMBLY	
102	See Note	NSS	Poppet, Check (Note: Use p/n 70005065)	
103	See Note	NSS	Spring (Note: Use p/n 70005065)	
104	See Note	NSS	Plug (Note: Use p/n 70005065)	
105	7026330	1	Seal, Shaft	
106	70005139	2	Bearing	
107	70003612	1	O-Ring	
108	70004267	1	O-Ring	

SECTION 2 - TURNTABLE

FIGURE 2-9. SWING DRIVE INSTALLATION



ART_1001228492

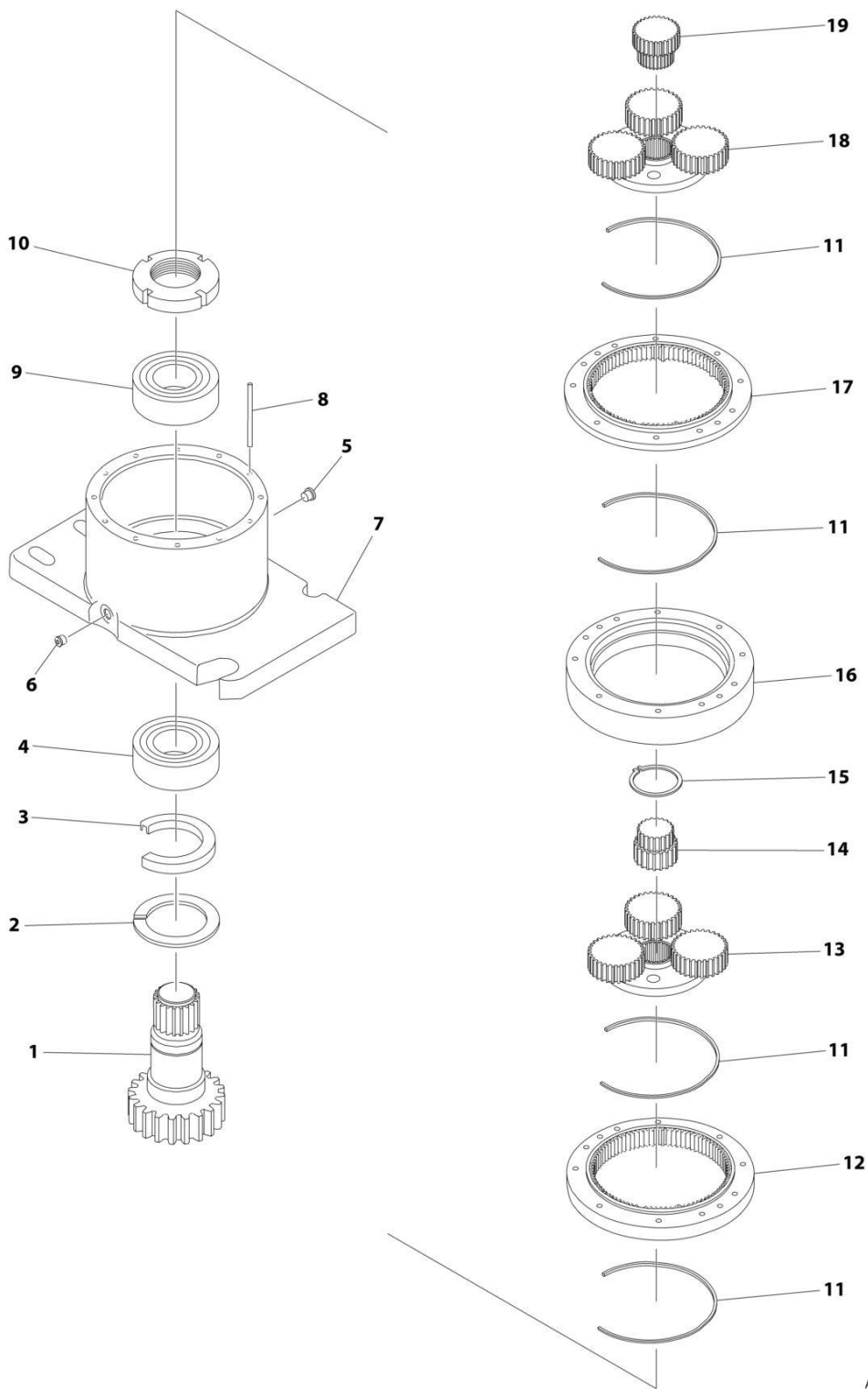
SECTION 2 - TURNTABLE

FIGURE 2-9. SWING DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228492	Ref	SWING DRIVE INSTALLATION	C
1	0100019	AR	Compound, Locking	
2	0701618	1	Bolt M16 x 50	
3	0761620	1	Bolt M16 x 60	
4	0772018	4	Bolt M20 x 50 Grade 10.9	
6	3291602	1	Nut M16	
7	5241600	1	Washer M16	
8	5242000	4	Washer M20	
9	1001134543	1	Sleeve, Spacer	
10	4071009	1	Shim	
11	1001228487	1	Swing Hub/Motor Assembly (See Separate Breakdown in this Section)	

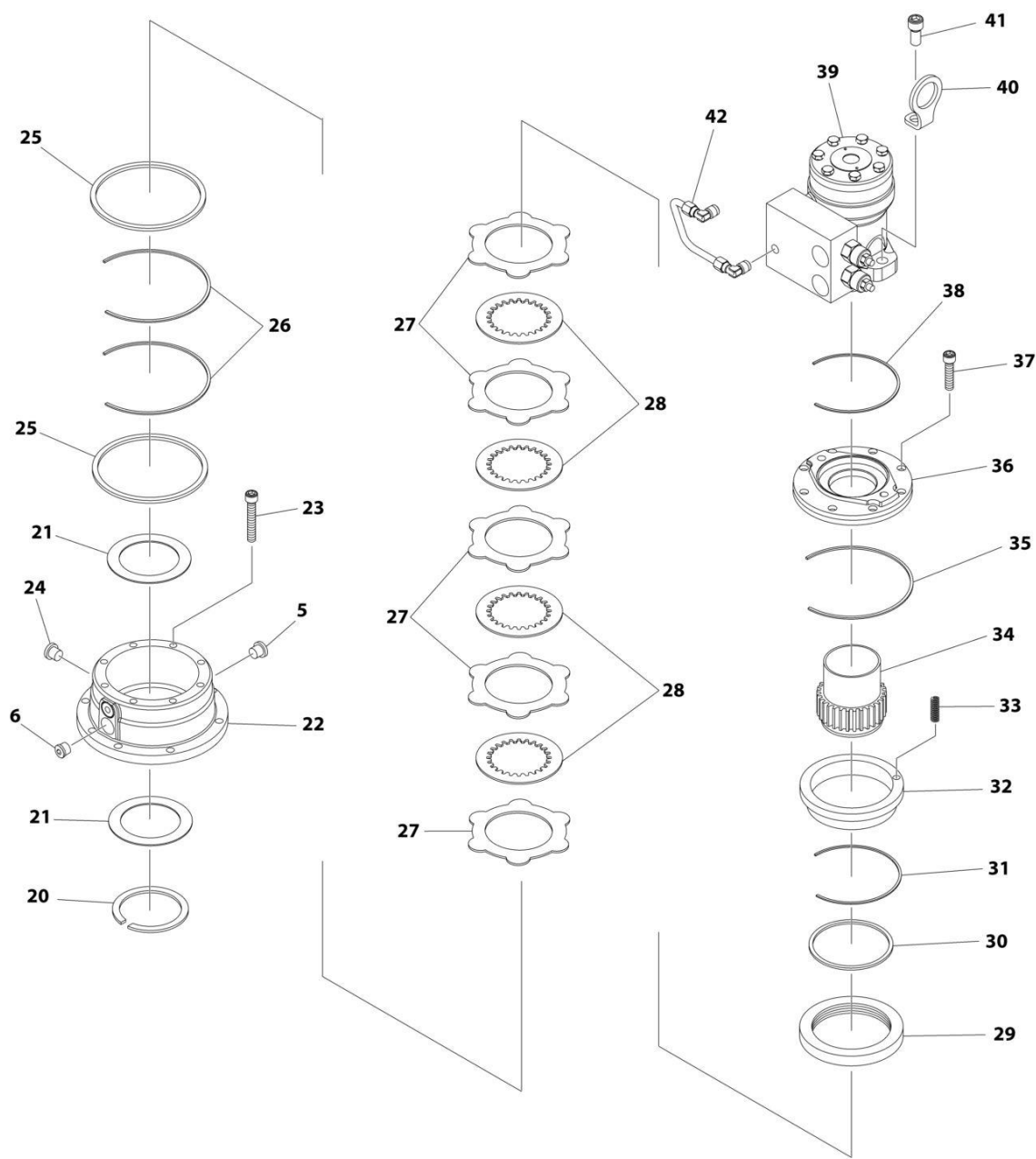
SECTION 2 - TURNTABLE

FIGURE 2-10. SWING HUB/MOTOR ASSEMBLY



ART_1001228487_1OF2

SECTION 2 - TURNTABLE



ART_1001228487_2OF2

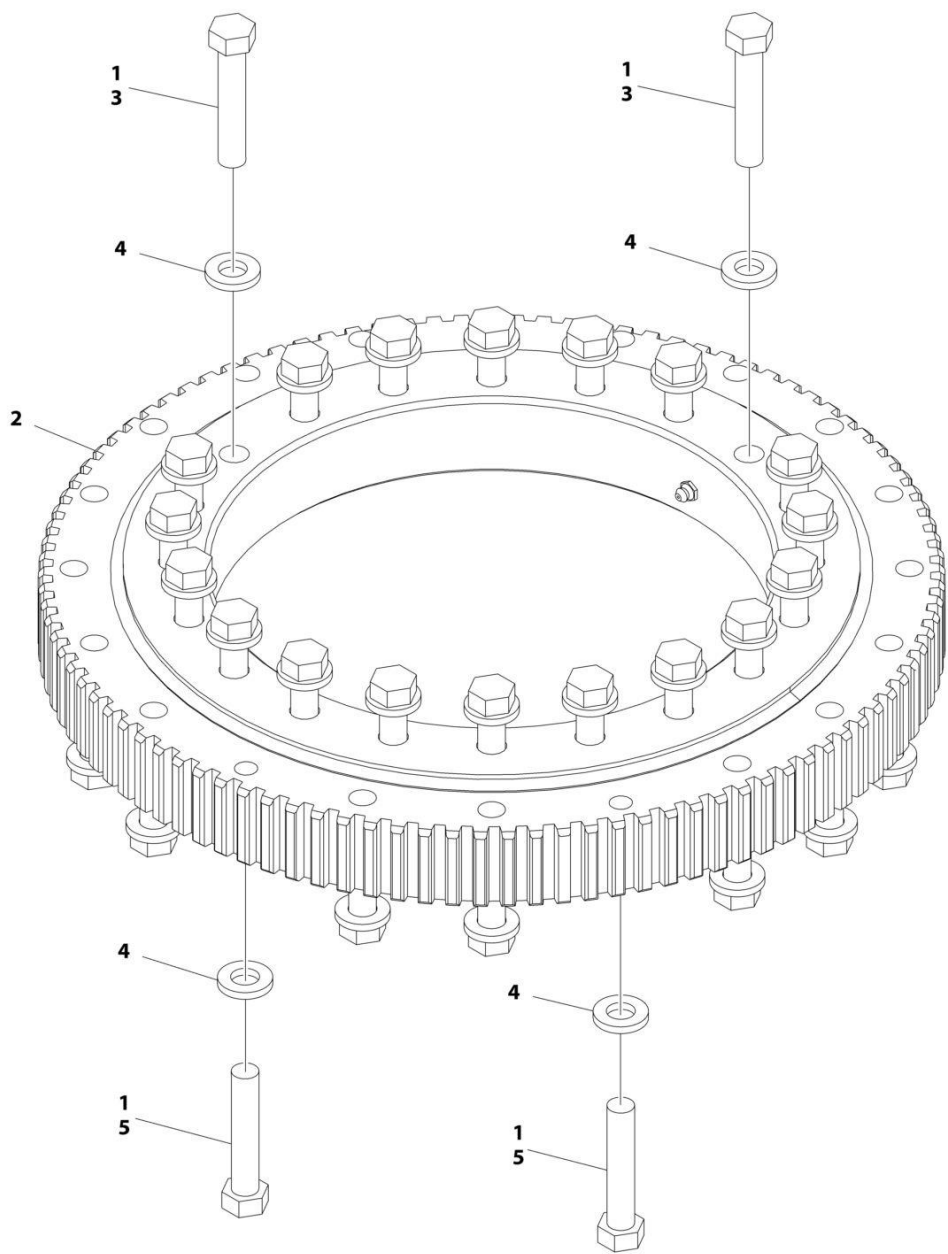
SECTION 2 - TURNTABLE

FIGURE 2-10. SWING HUB/MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228487	Ref	SWING HUB/MOTOR ASSEMBLY	C
1	70007022	1	Output Shaft	
2	70007023	1	Ring	
3		Ref	Oil Seal	
4	70007024	1	Tapered Roller Bearing	
5	70004469	2	Magnetic Plug with O-Ring	
6	70002057	4	Plug with O-Ring	
7	NSS	1	Output Support	
8	70007025	2	Spring Pin	
9	70007026	1	Tapered Roller Bearing	
10	70007027	1	Ring Nut	
11		Ref	O-Ring	
12	70006990	1	Planetary Ring	
13	70007028	1	Complete Reduction	
14	70007029	1	Pinion	
15	70007030	1	Seeger	
16	70006994	1	Spacer	
17	70004481	1	Planetary Ring	
18	70004482	1	Complete Reduction	
19	70007031	1	Pinion	
20	70006997	1	Ring	
21	70006998	2	Washer	
22	NSS	1	Brake Housing	
23	70007032	8	Screw	
24	70006999	1	Level Oil Plug	
25		Ref	Parbak	
26		Ref	O-Ring	
27		Ref	Iron Disc	
28		Ref	Sintered Disc	
29	70005317	1	Brake Spacer	
30		Ref	Parbak	
31		Ref	O-Ring	
32	70005318	1	Brake Piston	
33		Ref	Brake Spring	
34	70007001	1	Input Shaft	
35		Ref	O-Ring	
36	70007002	1	Cover	
37	70007003	8	Screw	
38		Ref	O-Ring	
39		Ref	Motor with Valve	
40	NSS	2	Vertical Lift Support	
41	70004494	2	Screw	
42	70007004	1	Brake/Valve Adapter	
43	70007046	1	Seal Kit	
44	70007006	1	Kit, Brake Repair	

SECTION 2 - TURNTABLE

FIGURE 2-11. TURNTABLE BEARING INSTALLATION



ART_1001202494

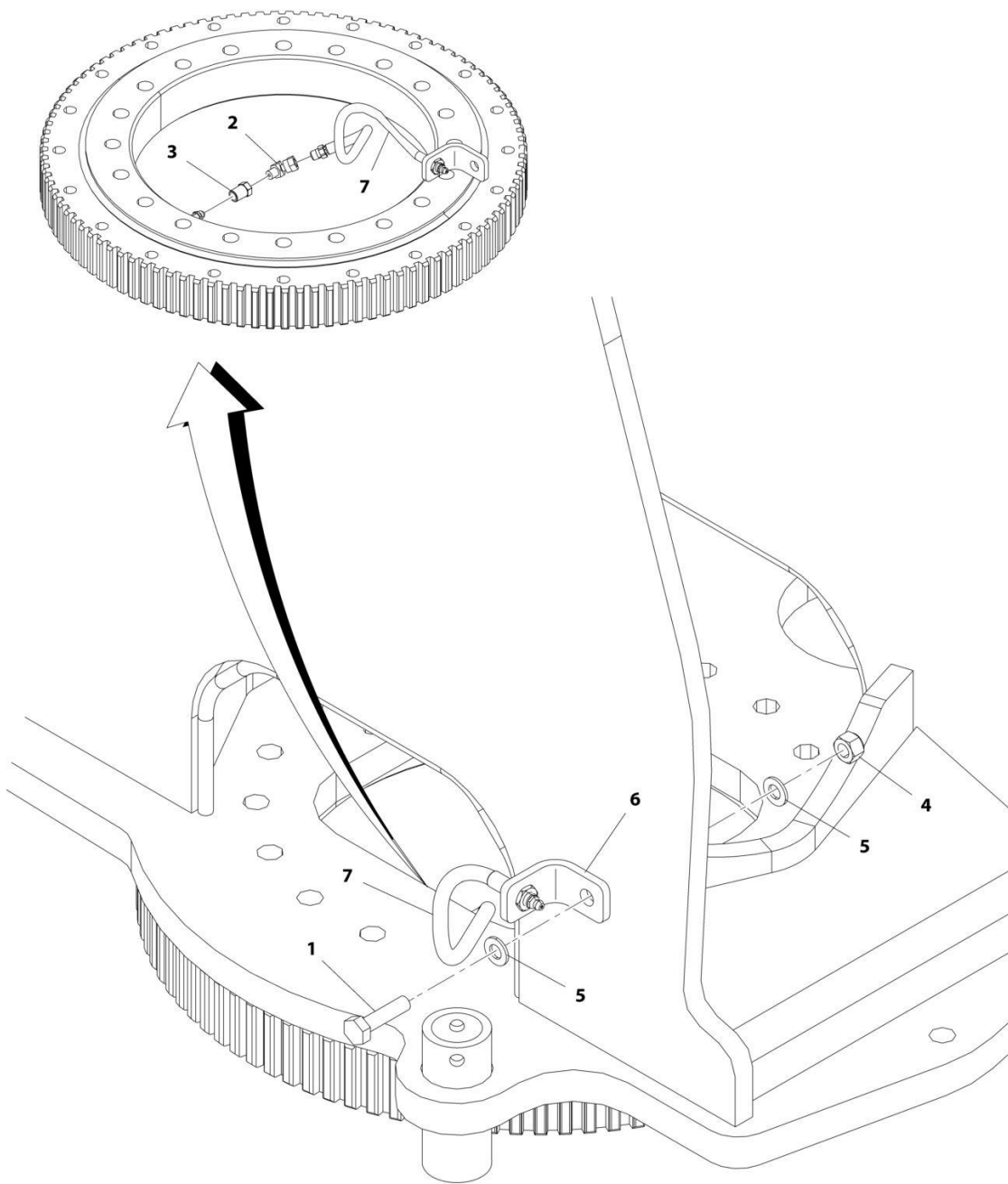
SECTION 2 - TURNTABLE

FIGURE 2-11. TURNTABLE BEARING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202494	Ref	TURNTABLE BEARING INSTALLATION	A
1	0100019	AR	Compound, Locking	
2	0440240	1	Bearing, Turntable	
3	0682026	20	Bolt 5/8 x 3-1/4 (Grade 8)	
4	4892000	40	Washer 5/8	
5	0682034	20	Bolt 5/8 x 4-1/4	

SECTION 2 - TURNTABLE

FIGURE 2-12. BEARING LUBE INSTALLATION



ART_1001169191

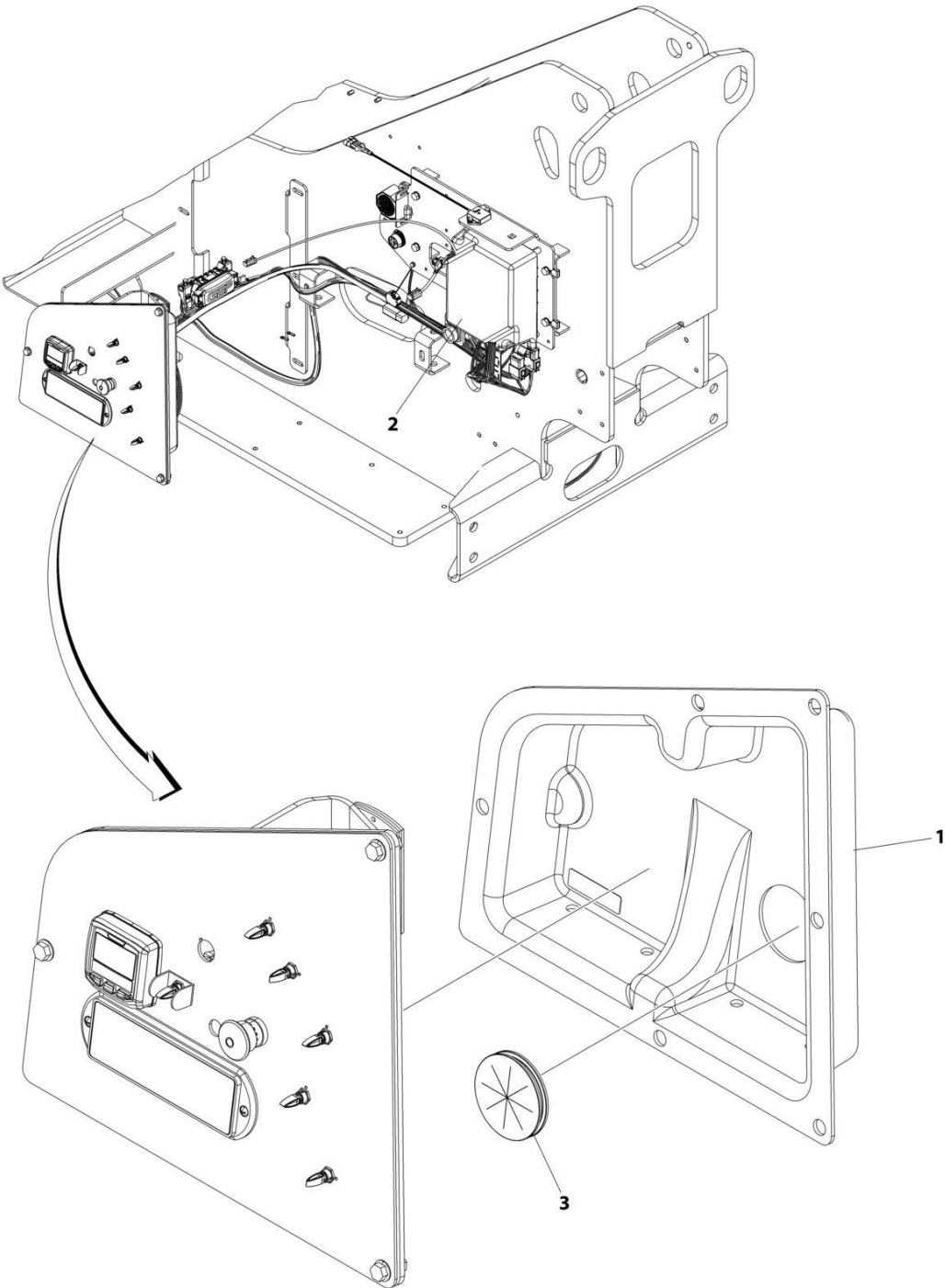
SECTION 2 - TURNTABLE

FIGURE 2-12. BEARING LUBE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169191	Ref	BEARING LUBE INSTALLATION	A
1	0761016	1	Bolt M10 x 40	
2	2220124	1	Fitting, 45 1/8NPT	
3	2220273	1	Fitting, Straight FNPTF/NPTF	
4	3291005	1	Nut M10	
5	4812000	2	Washer M10	
6	1001169192	1	Mount, Bulkhead	
7	1001169193	1	Hose	

SECTION 2 - TURNTABLE

FIGURE 2-13. TURNTABLE COVERS INSTALLATION



ART_1001219130_C

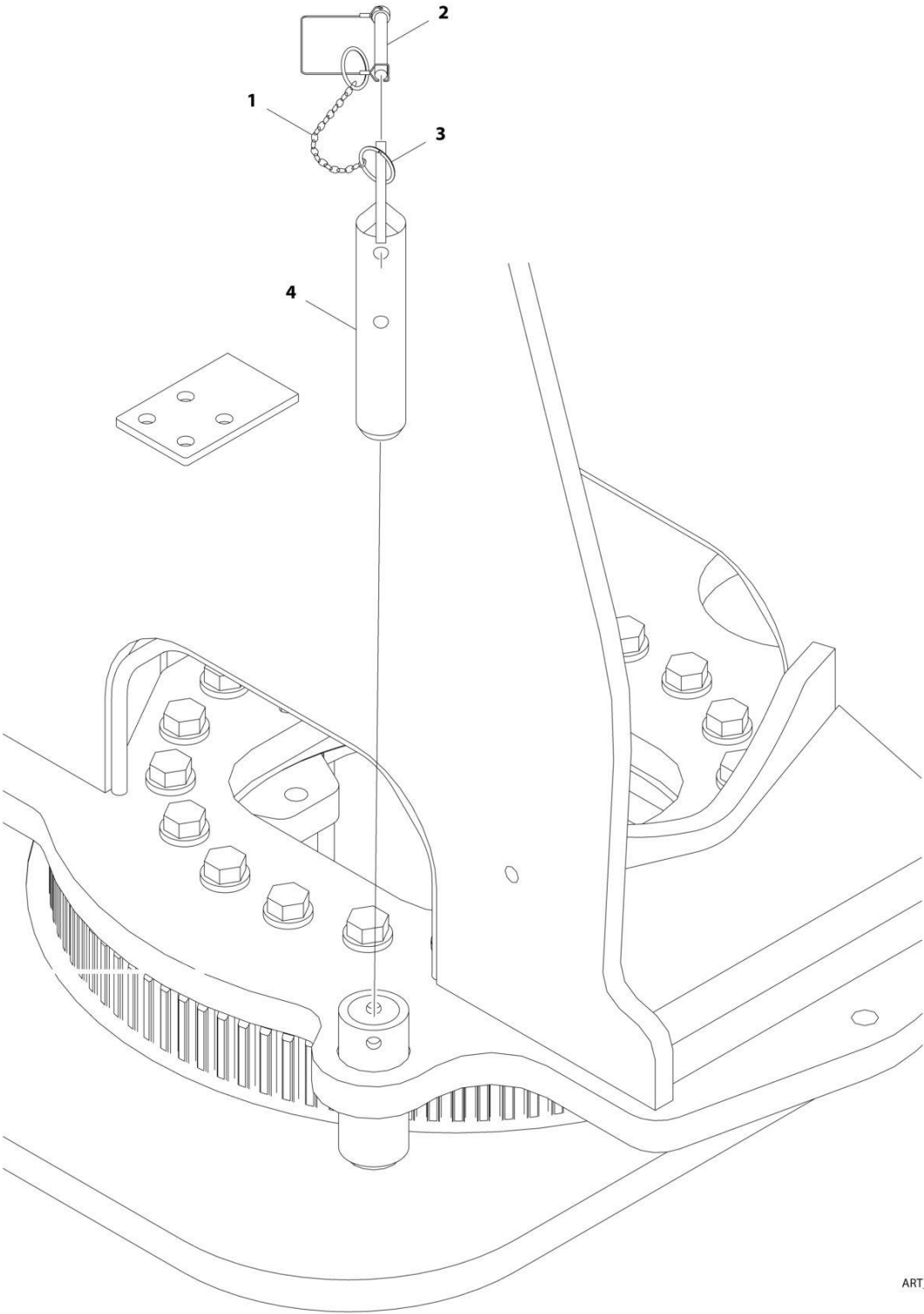
SECTION 2 - TURNTABLE

FIGURE 2-13. TURNTABLE COVERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219130	Ref	TURNTABLE COVERS INSTALLATION	B
1	1001246087	1	Cover, Control Panel	
2	1001218538	1	Cover, Controller	
3	1001218676	1	Grommet	

SECTION 2 - TURNTABLE

FIGURE 2-14. TURNTABLE LOCK INSTALLATION



ART_1001169496

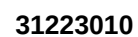
SECTION 2 - TURNTABLE

FIGURE 2-14. TURNTABLE LOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169496	Ref	TURNTABLE LOCK INSTALLATION	B
1	1260017	1	Chain	
2	3421565	1	Pin, Snap	
3	3760170	2	Ring, Split	
4	1001169582	1	Pin	

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400SC_460SJC



ART_1001189521

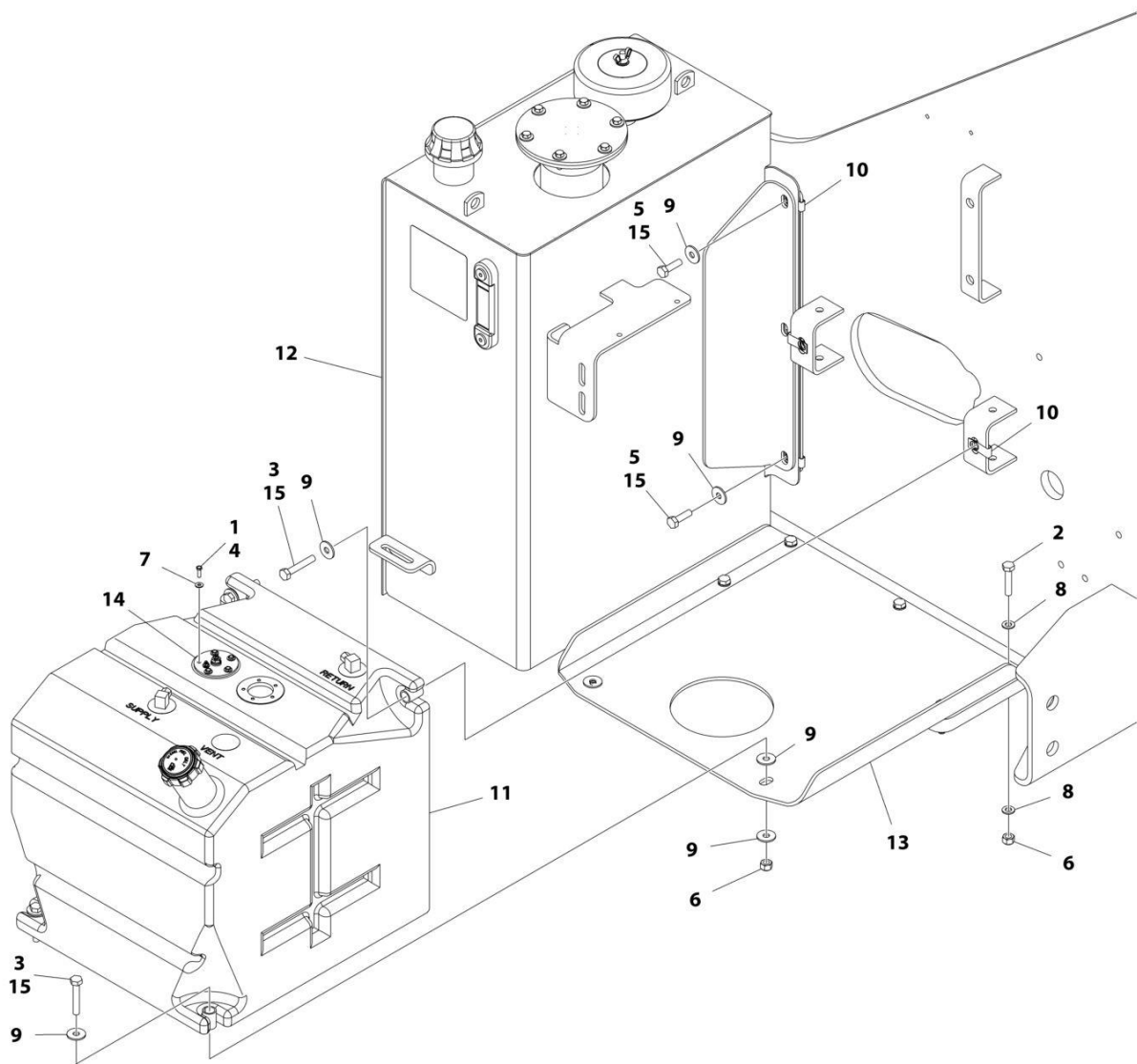
SECTION 2 - TURNTABLE

FIGURE 2-15. ROTARY COUPLING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189521	Ref	ROTARY COUPLING INSTALLATION (WITHOUT TURNTABLE BEARING SPACER)	G
1	0100011	AR	Compound, Locking	
2	0701224	3	Bolt M12 x 80	
3	0761227	2	Bolt M12 x 100	
3	0701225	2	Bolt M12 x 85	
4	3291207	2	Nut M12	
5	3322201	2	Nut 3/4	
6	4812100	7	Washer M12	
7	1001106837	1	Mount, Swivel	
8	1001189522	5	Shim, Swivel Mount	
9	1001189523	1	Coupling, Swivel 7 Port	
9A	70005244	1	Lug	
9B	70003454	1	Bracket, Switch Mounting	
9C	4360517	1	Switch, Proximity	
9D	2200221	2	Plug	
9E	3311005	2	Nut, Lock #10	
9F	4711000	2	Washer #10	
9G	3931008	2	Screw #10 x 1/2	
9H	70005322	1	Seal Kit - 1001189523 Coupling	
10	2111212	2	Adapter	
11	2131212	2	Fitting, 90 ORFS/ORB	
12	2220998	1	Fitting, 90 JIC/ORB	
13	2220473	1	Fitting, 90 JIC/ORB	
14	2220726	1	Fitting, 90 JIC/ORB	

SECTION 2 - TURNTABLE

FIGURE 2-16. TANKS INSTALLATION



ART_1001163939

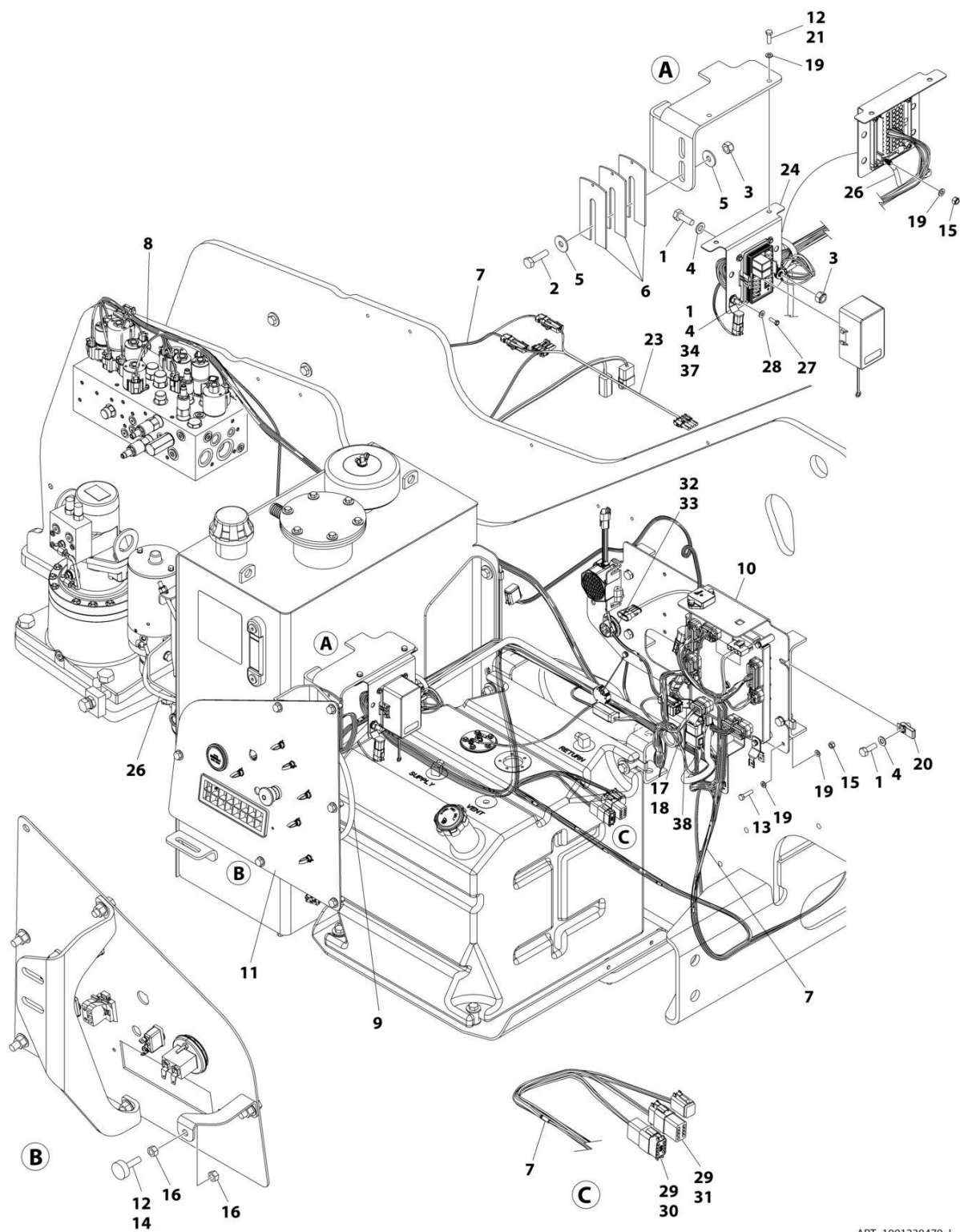
SECTION 2 - TURNTABLE

FIGURE 2-16. TANKS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163939	Ref	TANKS INSTALLATION	G
1	0100035	AR	Compound, Locking	
2	0701018	5	Bolt M10 x 50	
3	0701020	4	Bolt M10 x 60	
4	0731005	5	Screw #10 x .625	
5	0761015	4	Bolt M10 x 35	
6	3291005	7	Nut M10	
7	4751000	5	Washer #10	
8	4812000	10	Washer M10	
9	4812002	12	Washer M10	
10	1001118972	6	Nut M10	
11	1001163418	1	Tank, Fuel	
11	1001193336	1	Cap, Fill with Chain and Stop Spring	
11	70004794	1	Tube, Pick-up	
12	1001166031	1	Tank, Hydraulic	
12	70003614	1	Filter Kit (Includes Hydraulic Filter Element, Breather Element and Gasket)	
12	70002838	1	Cap, Fill (Includes Cap, Chain and Fill Basket)	
12	7024441	1	Gauge, Sight	
13	1001166710	1	Plate	
14	1001231195	1	Sensor, Fuel Level	
15	0100011	AR	Compound, Locking	

SECTION 2 - TURNTABLE

FIGURE 2-17. ELECTRICAL INSTALLATION (400SC)



ART_1001238479_I

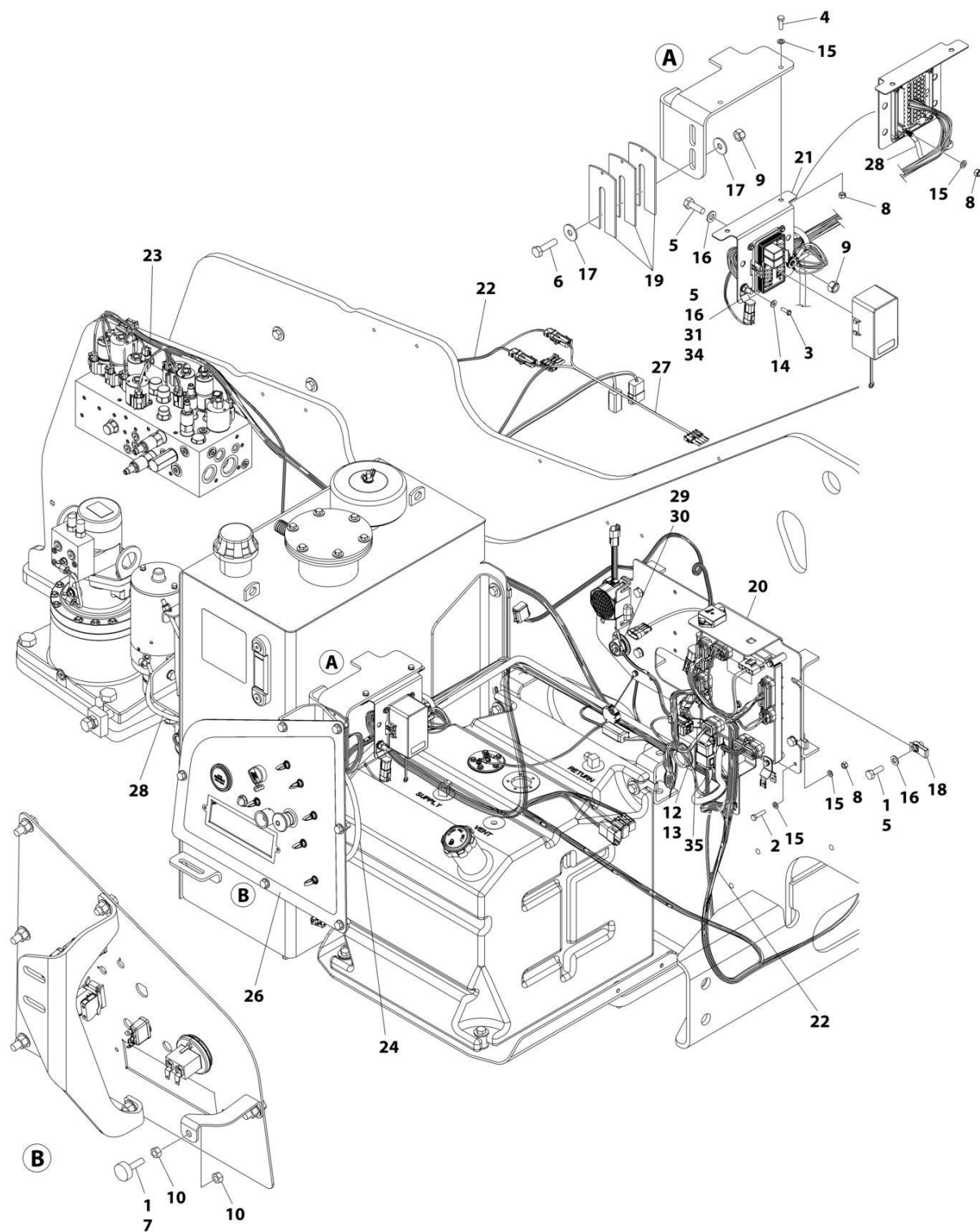
SECTION 2 - TURNTABLE

FIGURE 2-17. ELECTRICAL INSTALLATION (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238479	Ref	ELECTRICAL INSTALLATION	I
1	0761014	6	Bolt M10 x 30	
2	0761016	2	Bolt M10 x 40	
3	3291005	3	Nut M10	
4	4812000	7	Washer M10	
5	4812002	4	Washer M10	
6	1001150324	AR	Shim	
7	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
8	1001284823	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
9	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
10	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
11	1001239294	1	Ground Control Assembly (See Separate Breakdown in this Section)	
12	0100011	AR	Compound, Locking	
13	0700612	1	Bolt M6 x 25	
14	0940049	1	Stopper, Hood	
15	3290605	2	Nut M6	
16	3311501	2	Nut 5/16	
17	4460470	1	Nut, Terminal	
18	4460471	1	Washer, Terminal	
19	4811700	5	Washer M6	
20	1001118972	4	Nut M10	
21	0760610	2	Bolt M6 x 20	
22	1001239512	1	Decal - Fuse Box (Not Shown)	
23	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL Section)	
24	1001237822	1	Plate, Fuse Box	
25	1001144295	2	Cap, Connector (Not Shown)	
26	1001250681	1	Cable, Battery Negative	
27	0731005	4	Screw #10 x 5/8	
28	4711000	4	Washer #10	
29	4460466	16	Plug	
30	4460930	1	Connector	
31	4460931	1	Connector	
32	4460496	1	Washer	
33	4460497	1	Nut, Terminal	
34	3291001	1	Nut M10	
35	4240032	AR	Tie Strap (Not Shown)	
36	4460234	AR	Mount, Tie Strap (Not Shown)	
37	1001120328	1	Mount, Connector	
38	1001155743	1	Mount, Connector	
40	4240099	AR	Tie-Strap (Not Shown)	
41	1001213448	1	Connector (Not Shown)	

SECTION 2 - TURNTABLE

FIGURE 2-18. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) ENGINE (400SC)



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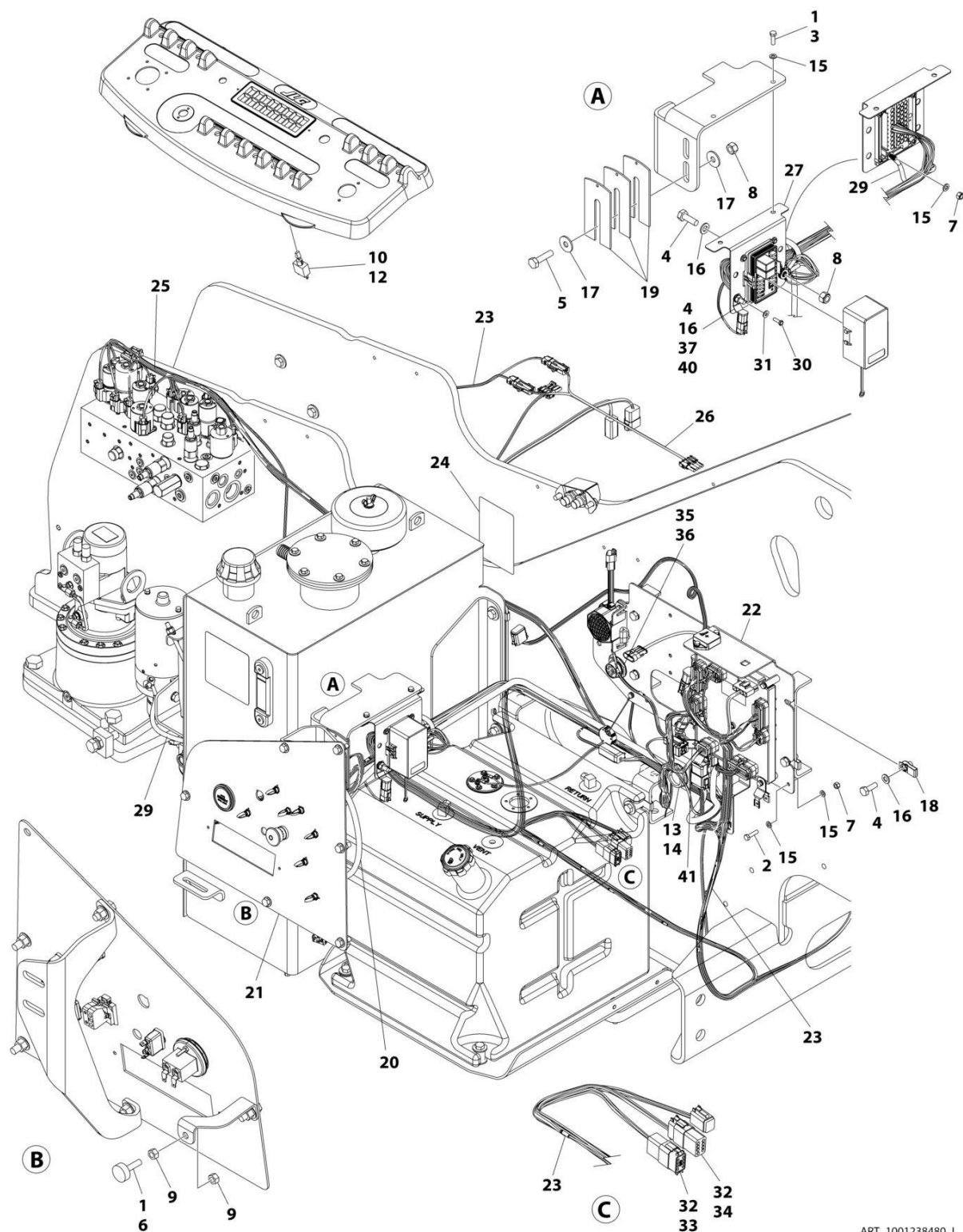
SECTION 2 - TURNTABLE

FIGURE 2-18. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) ENGINE (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245990	Ref	ELECTRICAL INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0700612	1	Bolt M6 x 25	
3	0731005	4	Screw #10 x 5/8	
4	0760610	2	Bolt M6 x 20	
5	0761014	6	Bolt M10 x 30	
6	0761016	2	Bolt M10 x 40	
7	0940049	1	Stopper, Hood	
8	3290605	4	Nut M6	
9	3291005	3	Nut M10	
10	3311501	2	Nut 5/16	
11	4240099	AR	Tie-Strap (Not Shown)	
12	4460470	1	Nut, Terminal	
13	4460471	1	Washer, Terminal	
14	4711000	4	Washer #10	
15	4811700	7	Washer M6	
16	4812000	7	Washer M10	
17	4812002	4	Washer M10	
18	1001118972	4	Nut M10	
19	1001150324	AR	Shim	
20	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
21	1001237822	1	Plate, Fuse Box	
22	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
23	1001284823	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
24	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
25	1001239512	1	Decal - Fuse Box (Not Shown)	
26	1001245988	1	Ground Control Assembly (See Separate Breakdown in this Section)	
27	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL Section)	
28	1001250681	1	Cable, Battery Negative	
29	4460496	1	Washer	
30	4460497	1	Nut, Terminal	
31	3291001	1	Nut M10	
32	4240032	AR	Tie Strap (Not Shown)	
33	4460234	AR	Mount, Tie Strap (Not Shown)	
34	1001120328	1	Mount, Connector	
35	1001155743	1	Mount, Connector	
37	1001213448	1	Connector (Not Shown)	

SECTION 2 - TURNTABLE

FIGURE 2-19. ELECTRICAL INSTALLATION (460SJC)



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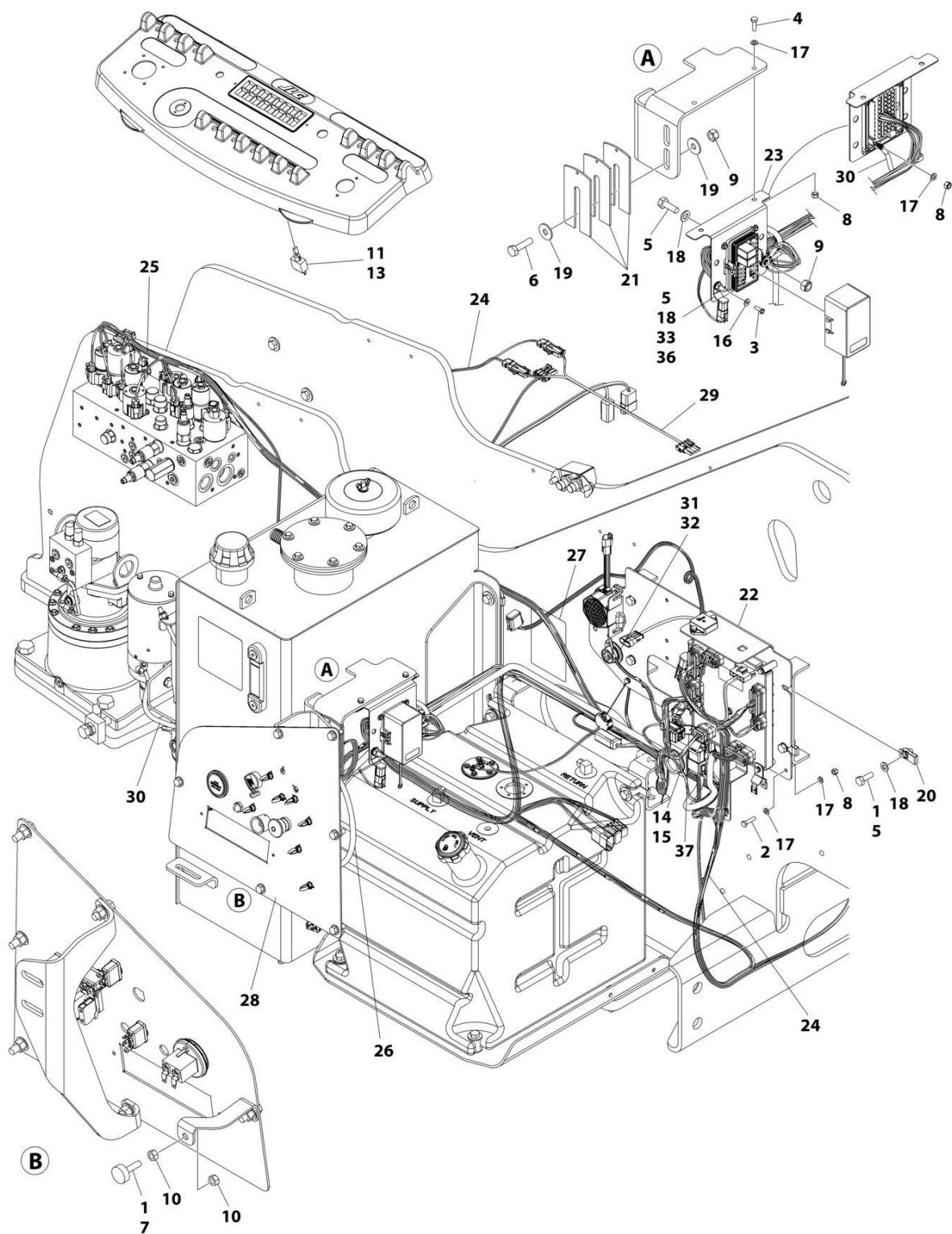
SECTION 2 - TURNTABLE

FIGURE 2-19. ELECTRICAL INSTALLATION (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238480	Ref	ELECTRICAL INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0700612	1	Bolt M6 x 25	
3	0760610	2	Bolt M6 x 20	
4	0761014	6	Bolt M10 x 30	
5	0761016	2	Bolt M10 x 40	
6	0940049	1	Stopper, Hood	
7	3290605	1	Nut M6	
8	3291005	2	Nut M10	
9	3311501	2	Nut 5/16	
10	3790012	1	O-Ring	
11	4240099	AR	Tie-Strap (Not Shown)	
12	4360328	1	Switch, Toggle	
13	4460470	1	Nut, Terminal	
14	4460471	1	Washer	
15	4811700	4	Washer M6	
16	4812000	7	Washer M10	
17	4812002	4	Washer M10	
18	1001118972	4	Nut M10	
19	1001150324	3	Shim	
20	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
21	1001239293	1	Ground Control Assembly (See Separate Breakdown in this Section)	
22	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
23	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
24	1001196637	1	Decal, Fuse Box	
25	1001284823	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
26	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL Section)	
27	1001237822	1	Plate, Fuse Box	
29	1001250681	1	Cable, Battery Negative	
30	0731005	4	Screw #10 x 5/8	
31	4711000	4	Washer #10	
32	4460466	16	Plug	
33	4460930	1	Connector	
34	4460931	1	Connector	
35	4460496	1	Washer	
36	4460497	1	Nut, Terminal	
37	3291001	1	Nut M10	
38	4240032	AR	Tie Strap (Not Shown)	
39	4460234	AR	Mount, Tie Strap (Not Shown)	
40	1001120328	1	Mount, Connector	
41	1001155743	1	Mount, Connector	
43	1001213448	1	Connector (Not Shown)	

SECTION 2 - TURNTABLE

FIGURE 2-20. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) ENGINE (460SJC)



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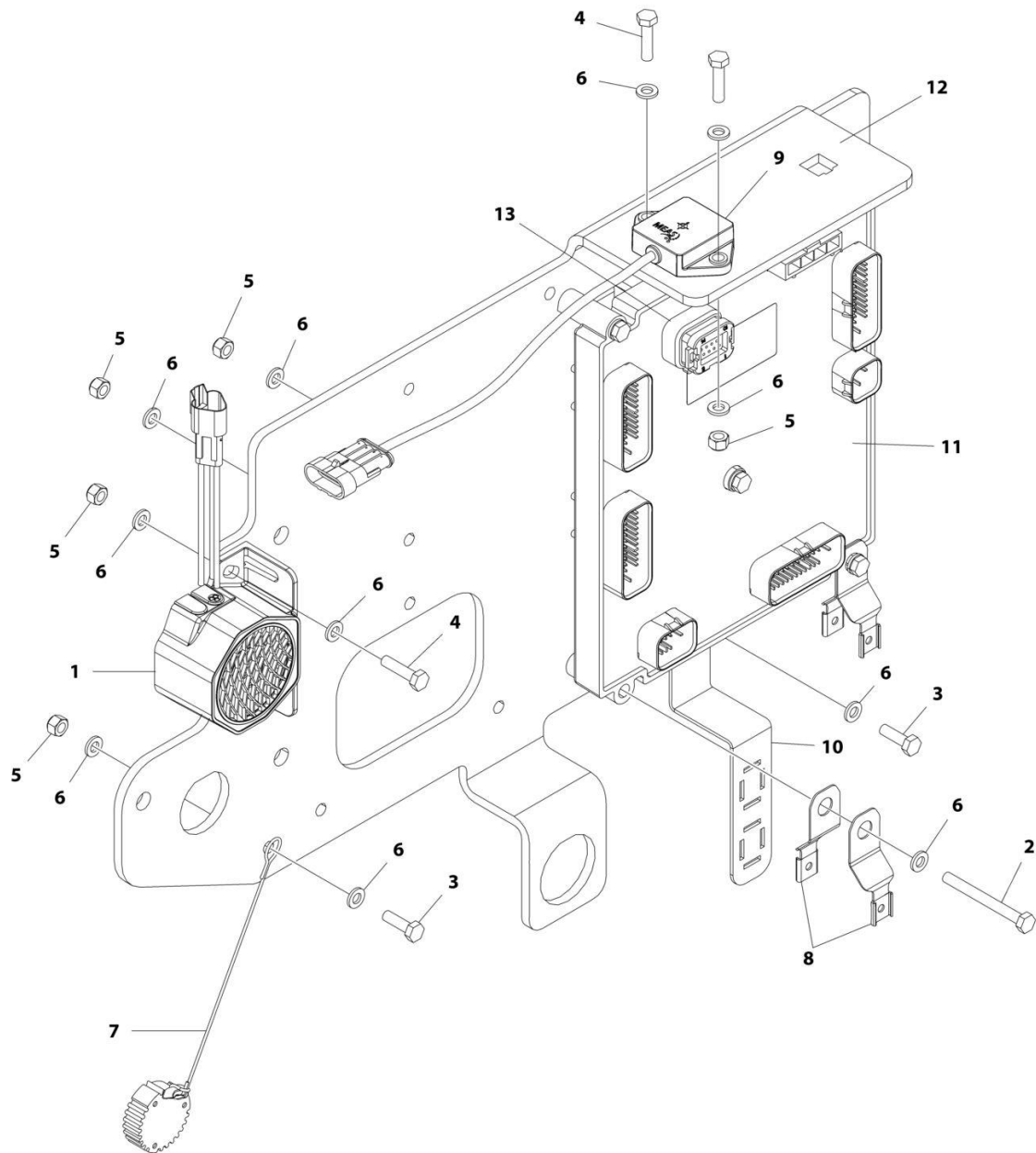
SECTION 2 - TURNTABLE

FIGURE 2-20. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) ENGINE (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245992	Ref	ELECTRICAL INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0700612	1	Bolt M6 x 25	
3	0731005	4	Screw #10 x 5/8	
4	0760610	2	Bolt M6 x 20	
5	0761014	6	Bolt M10 x 30	
6	0761016	2	Bolt M10 x 40	
7	0940049	1	Stopper, Hood	
8	3290605	4	Nut M6	
9	3291005	3	Nut M10	
10	3311501	2	Nut 5/16	
11	3790012	1	O-Ring	
12	4240099	AR	Tie-Strap (Not Shown)	
13	4360328	1	Switch, Toggle	
14	4460470	1	Nut, Terminal	
15	4460471	1	Washer	
16	4711000	4	Washer #10	
17	4811700	7	Washer M6	
18	4812000	7	Washer M10	
19	4812002	4	Washer M10	
20	1001118972	4	Nut M10	
21	1001150324	3	Shim	
22	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
23	1001237822	1	Plate, Fuse Box	
24	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
25	1001284823	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
26	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
27	1001239512	1	Decal, Fuse Box	
28	1001245380	1	Ground Control Assembly (See Separate Breakdown in this Section)	
29	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL Section)	
30	1001250681	1	Cable, Battery Negative	
31	4460496	1	Washer	
32	4460497	1	Nut, Terminal	
33	3291001	1	Nut M10	
34	4240032	AR	Tie Strap (Not Shown)	
35	4460234	AR	Mount, Tie Strap (Not Shown)	
36	1001120328	1	Mount, Connector	
37	1001155743	1	Mount, Connector	
39	1001213448	1	Connector (Not Shown)	

SECTION 2 - TURNTABLE

FIGURE 2-21. ELECTRICAL PANEL ASSEMBLY



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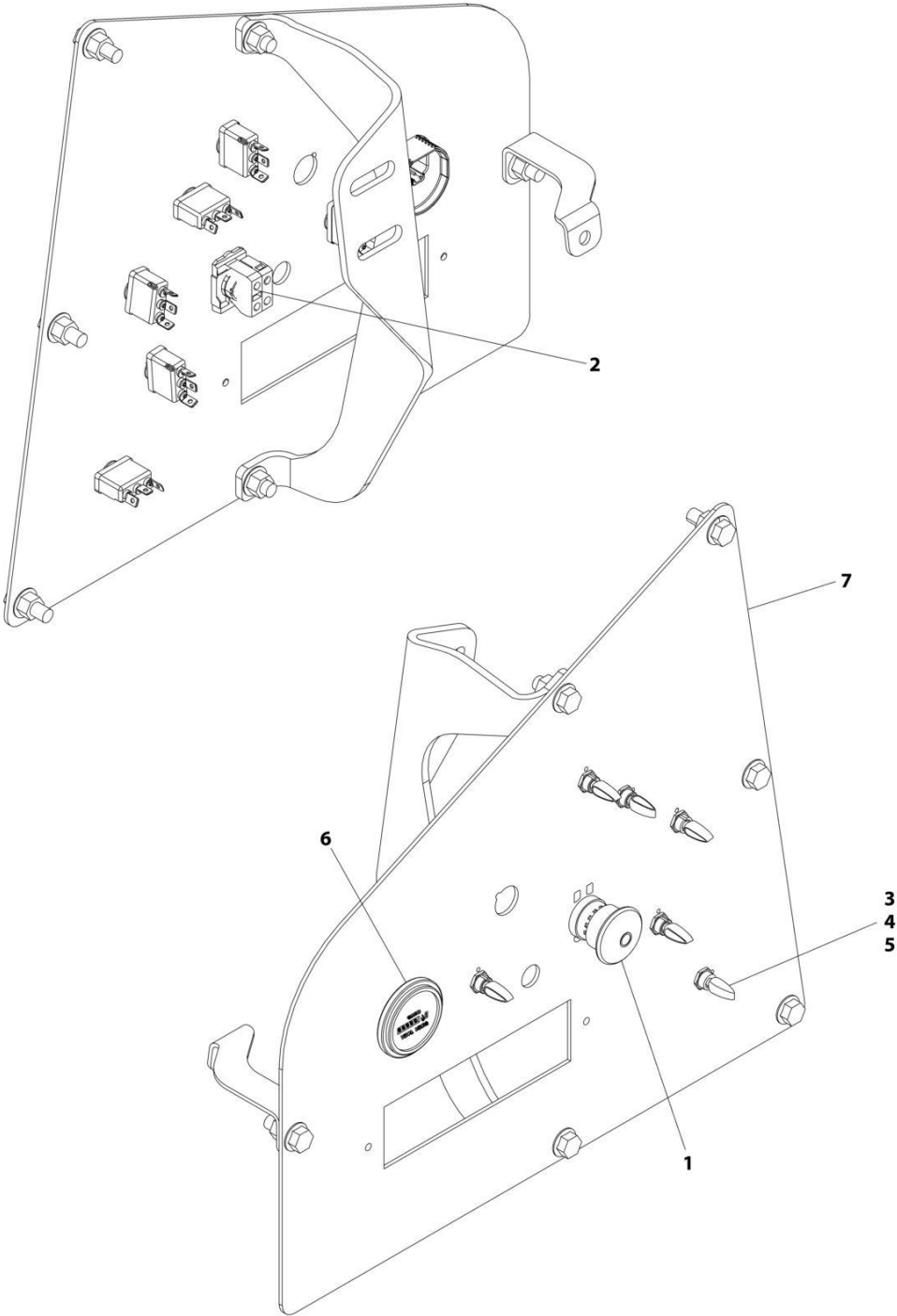
SECTION 2 - TURNTABLE

FIGURE 2-21. ELECTRICAL PANEL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172757	Ref	ELECTRICAL PANEL ASSEMBLY	F
1	0140043	1	Alarm	
1	4460536	1	Plug, Male - 3 Position	
1	4460943	3	Terminal	
2	0700620	5	Bolt M6 x 60	
3	0760610	2	Bolt M6 x 20	
4	0760612	4	Bolt M6 x 25	
5	3290605	11	Nut M6	
6	4811700	22	Washer M6	
7	1001106736	1	Cap, Dust	
8	1001120328	4	Clip, Mounting	
9	1001219601	1	Sensor	
10	1001159162	1	Bracket	
11	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced.)	
12	1001215373	1	Plate	
13	1001246859	1	Connector, 14 Position	

SECTION 2 - TURNTABLE

FIGURE 2-22. GROUND CONTROL ASSEMBLY (400SC)



ART_1001239294_C

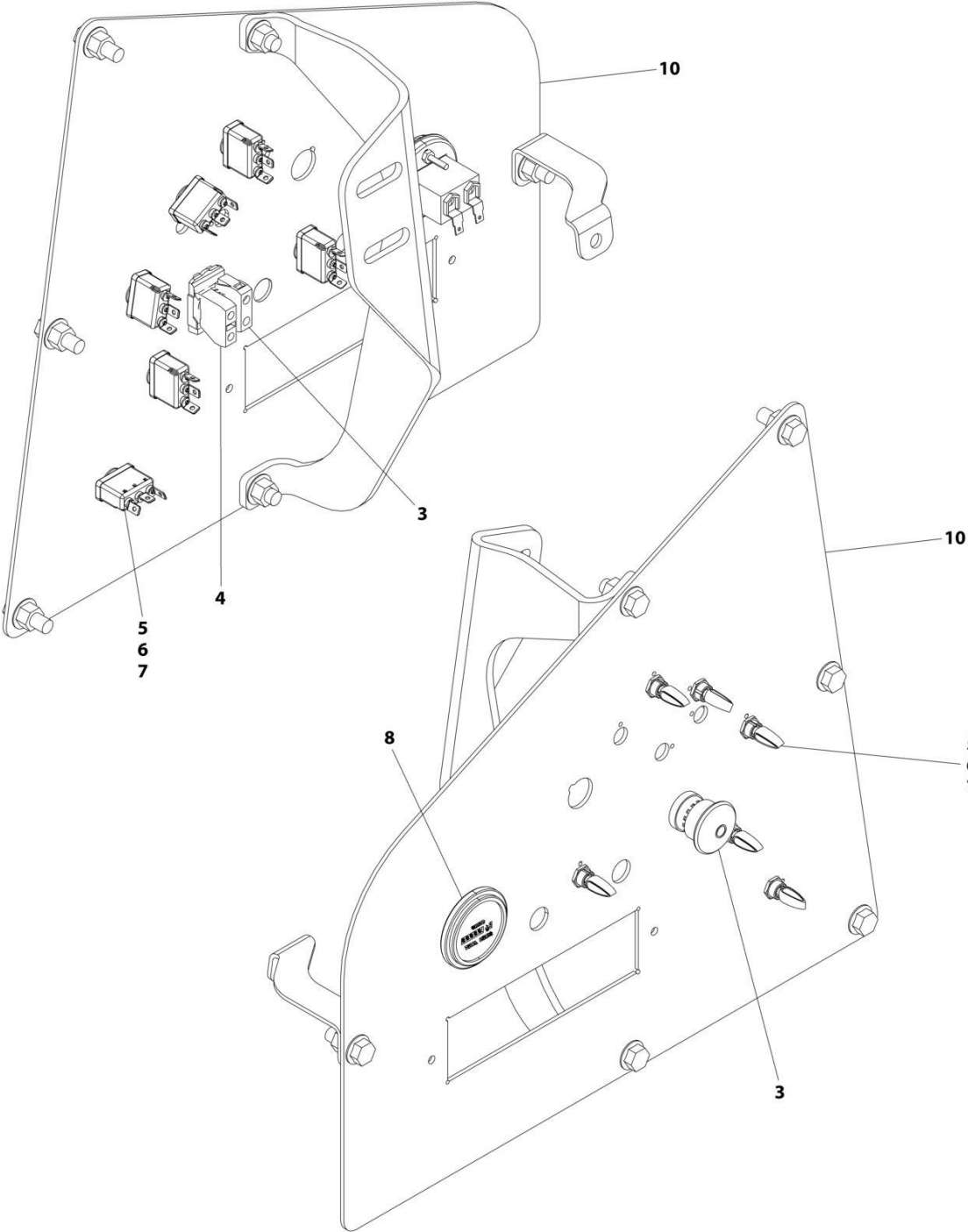
SECTION 2 - TURNTABLE

FIGURE 2-22. GROUND CONTROL ASSEMBLY (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239294	Ref	GROUND CONTROL ASSEMBLY - 400S	C
1	1001274559	1	Switch, Emergency Stop	
2	4360476	1	Block, Contact	
3	1001155043	6	Washer	
4	1001155044	6	Nut 15/32	
5	1001155045	6	Switch, Toggle	
6	10836804	1	Gauge	
7	1001238887	1	Mount, Ground Control Panel (See Separate Breakdown in this Section)	

SECTION 2 - TURNTABLE

FIGURE 2-23. GROUND CONTROL ASSEMBLY



ART_1001245988_D

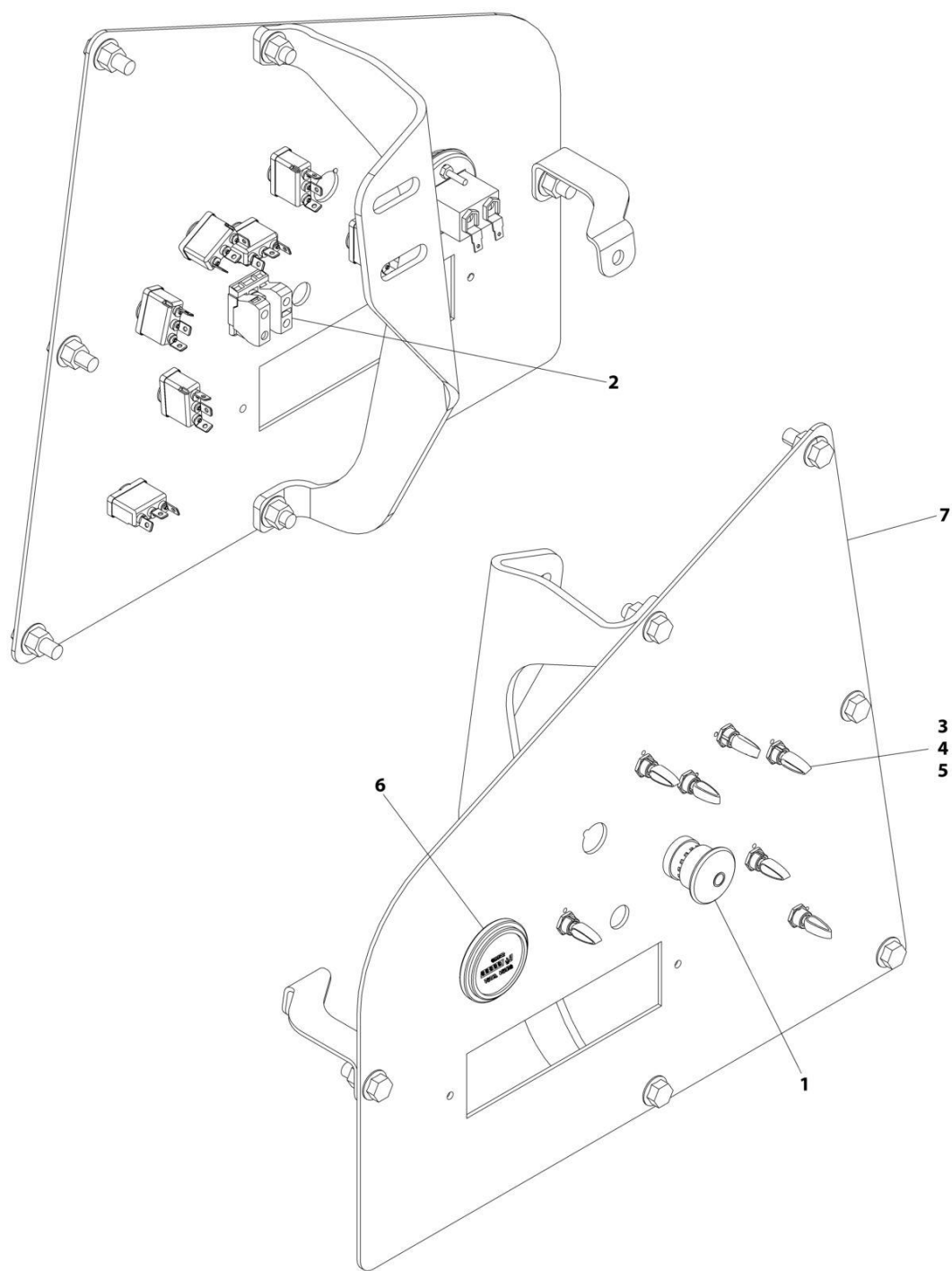
SECTION 2 - TURNTABLE

FIGURE 2-23. GROUND CONTROL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245988	Ref	GROUND CONTROL ASSEMBLY	D
3	1001274559	1	Switch, Emergency Stop	
4	4360476	1	Block, Contact	
5	1001155043	6	Washer	
6	1001155044	6	Nut 15/32	
7	1001155045	6	Switch, Toggle	
8	10836804	1	Gauge	
10	1001245379	1	Mount, Ground Control Panel (See Separate Breakdown in this Section)	

SECTION 2 - TURNTABLE

FIGURE 2-24. GROUND CONTROL ASSEMBLY (460SJC)



ART_1001239293_C

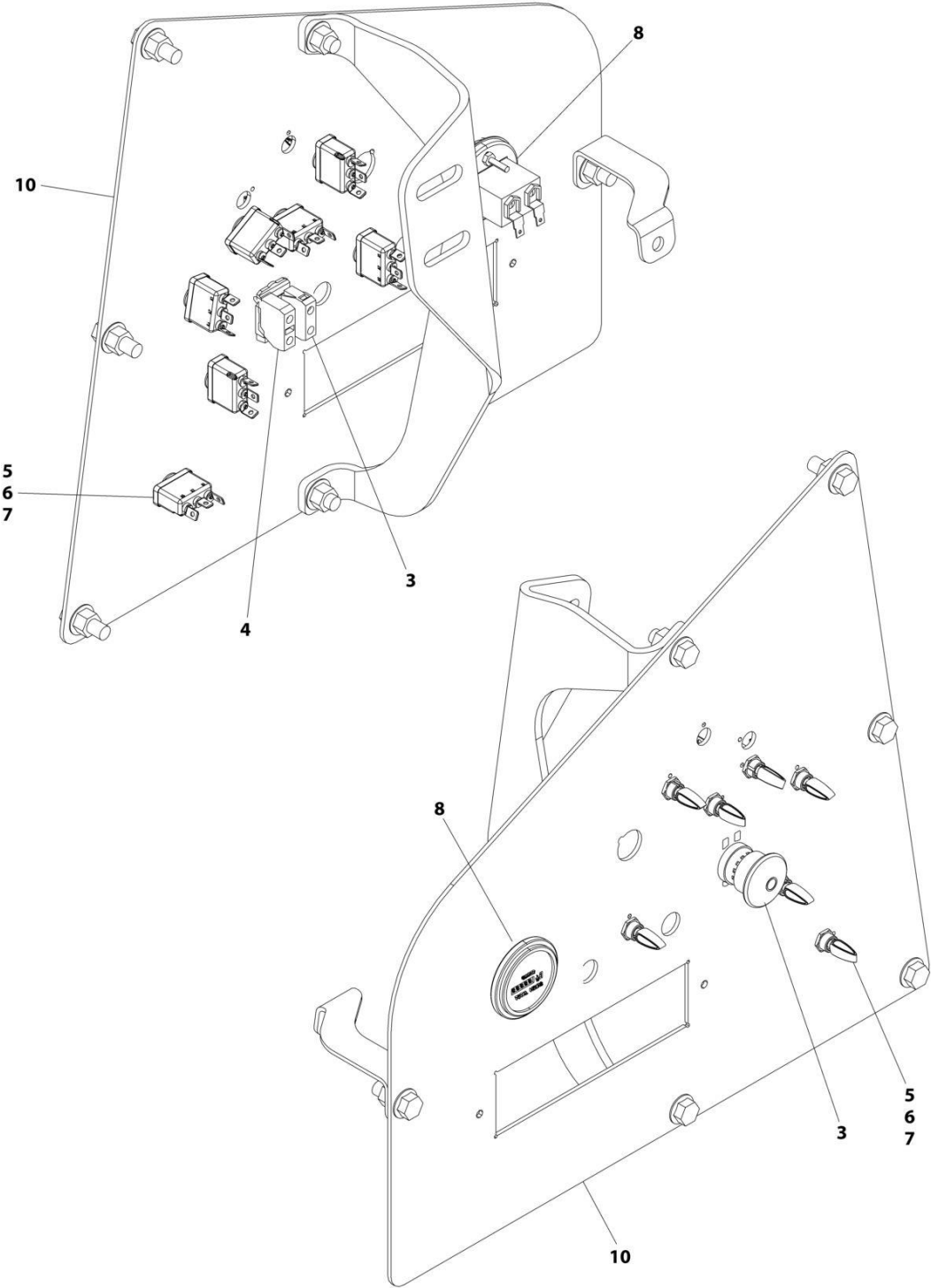
SECTION 2 - TURNTABLE

FIGURE 2-24. GROUND CONTROL ASSEMBLY (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239293	Ref	GROUND CONTROL ASSEMBLY - 460SJ	C
1	1001274559	1	Switch, Emergency Stop	
2	4360476	1	Block, Contact	
3	1001155043	7	Washer	
4	1001155044	7	Nut 15/32	
5	1001155045	7	Switch, Toggle	
6	10836804	1	Gauge	
7	1001235531	1	Mount, Ground Control Panel (See Separate Breakdown in this Section)	

SECTION 2 - TURNTABLE

FIGURE 2-25. GROUND CONTROL ASSEMBLY - WITH DEUTZ (STAGE V) ENGINE (460SJC)



ART_1001245380_D

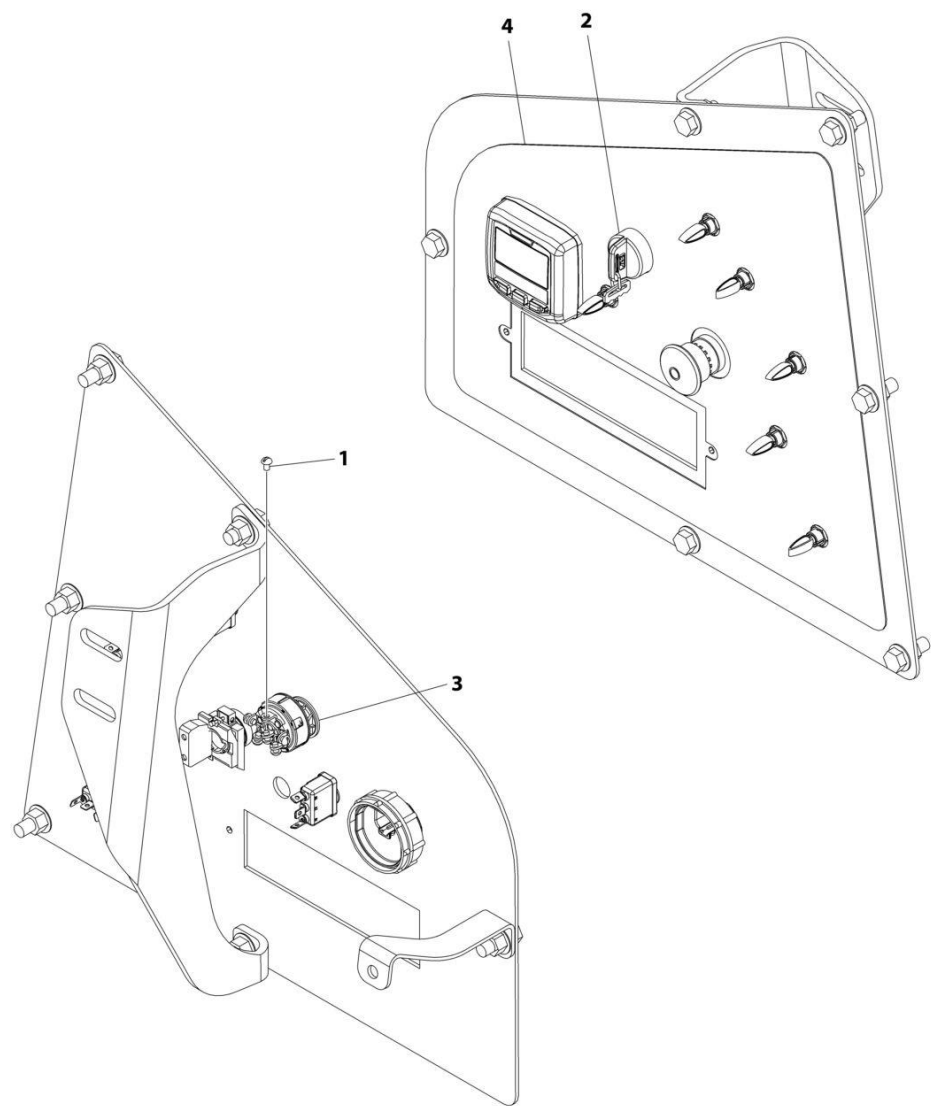
SECTION 2 - TURNTABLE

FIGURE 2-25. GROUND CONTROL ASSEMBLY - WITH DEUTZ (STAGE V) ENGINE (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245380	Ref	GROUND CONTROL ASSEMBLY	D
3	1001274559	1	Switch, Emergency Stop	
4	4360476	1	Block, Contact	
5	1001155043	7	Washer	
6	1001155044	7	Nut 15/32	
7	1001155045	7	Switch, Toggle	
8	10836804	1	Gauge	
10	1001245379	1	Ground Control Mounting (See Separate Breakdown in this Section)	

SECTION 2 - TURNTABLE

FIGURE 2-26. KEYSWITCH AND PANEL DECAL INSTALLATION (400SC)



ART_1001222145

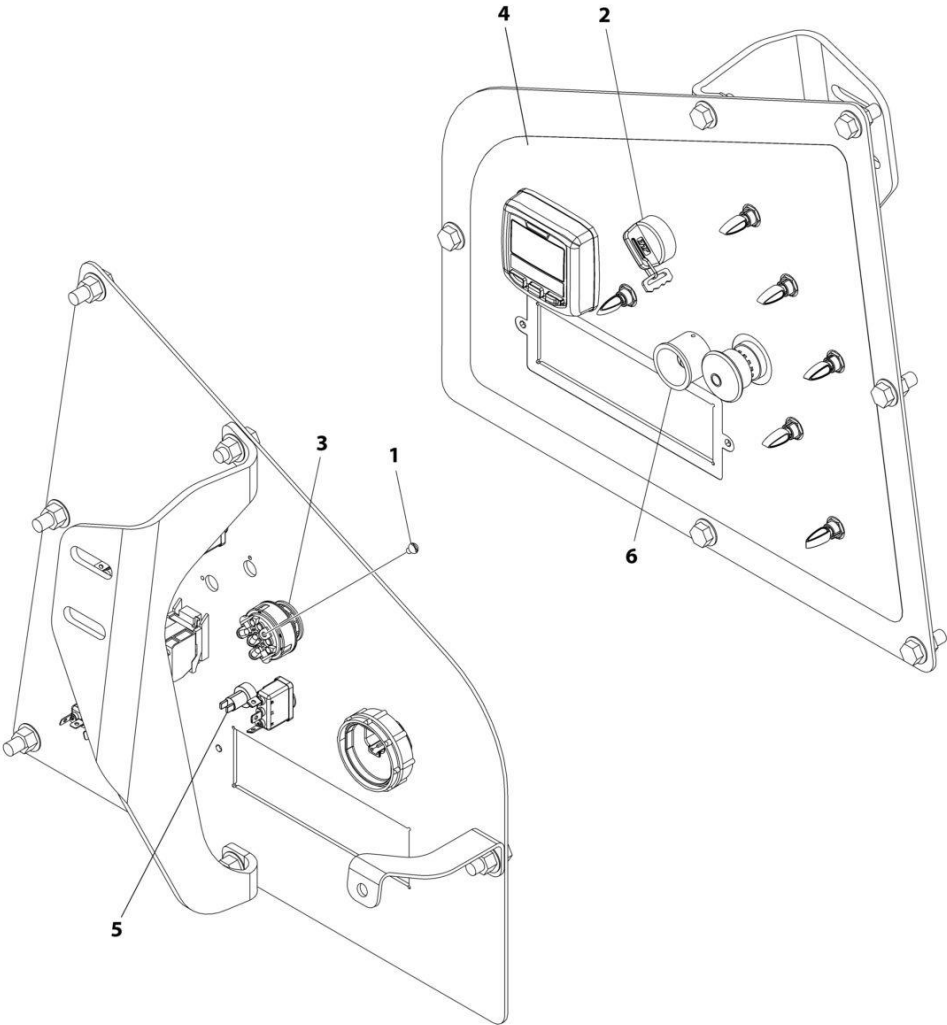
SECTION 2 - TURNTABLE

FIGURE 2-26. KEYSWITCH AND PANEL DECAL INSTALLATION (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222145	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2	2860030	1	Key, Replacement	
3	1001151393	1	Shim .063	
4	1001221408	1	Decal - Ground Control	

SECTION 2 - TURNTABLE

FIGURE 2-27. KEYSWITCH AND PANEL DECAL INSTALLATION (CE & UK CA (LRC) SPEC) (400SC)



ART_1001222143

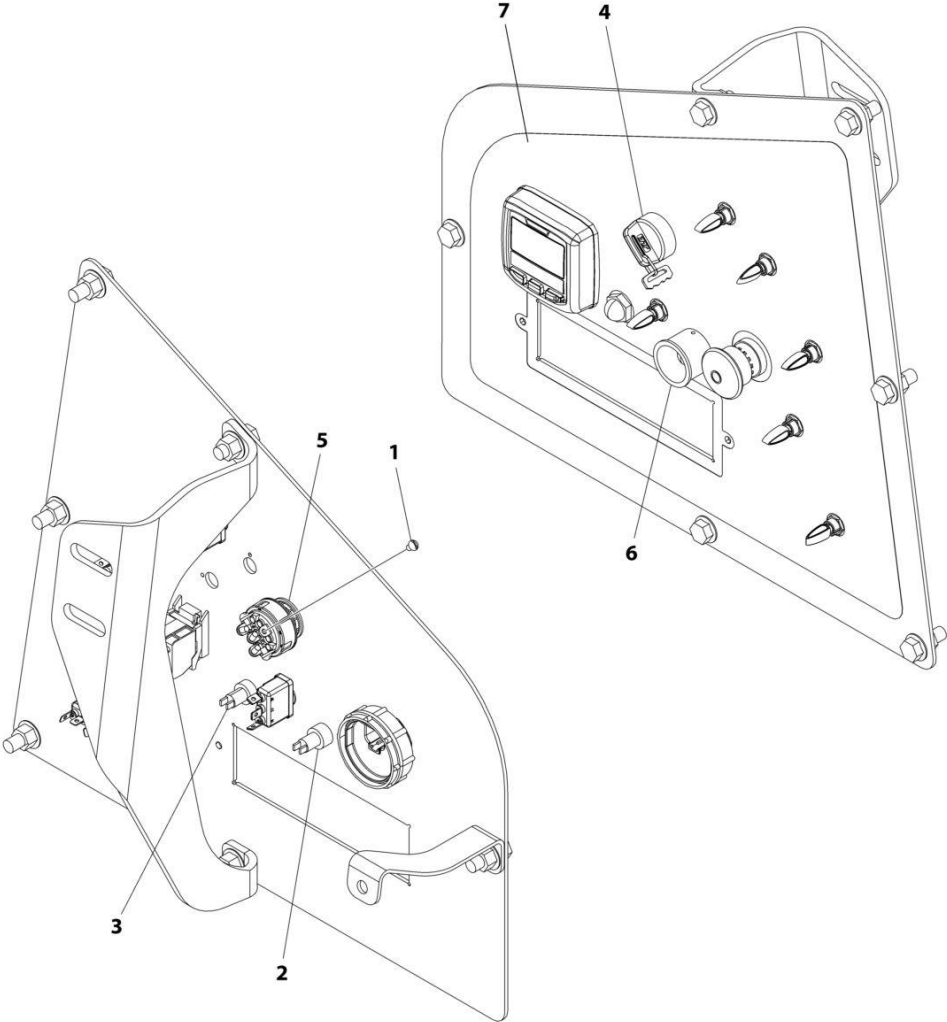
SECTION 2 - TURNTABLE

FIGURE 2-27. KEYSWITCH AND PANEL DECAL INSTALLATION (CE & UK CA (LRC) SPEC) (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222143	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2	2860030	1	Key, Replacement	
3	1001151393	1	Shim .063	
4	1001221406	1	Decal - Ground Control	
5	4360387	1	Switch, Push Button	
6	1001176469	1	Shroud, Switch	

SECTION 2 - TURNTABLE

FIGURE 2-28. KEYSWITCH AND PANEL DECAL INSTALLATION - WITH DEUTZ D2.9L4 (STAGE V)
ENGINES (CE & UK CA SPEC) (400SC)



ART_1001245832

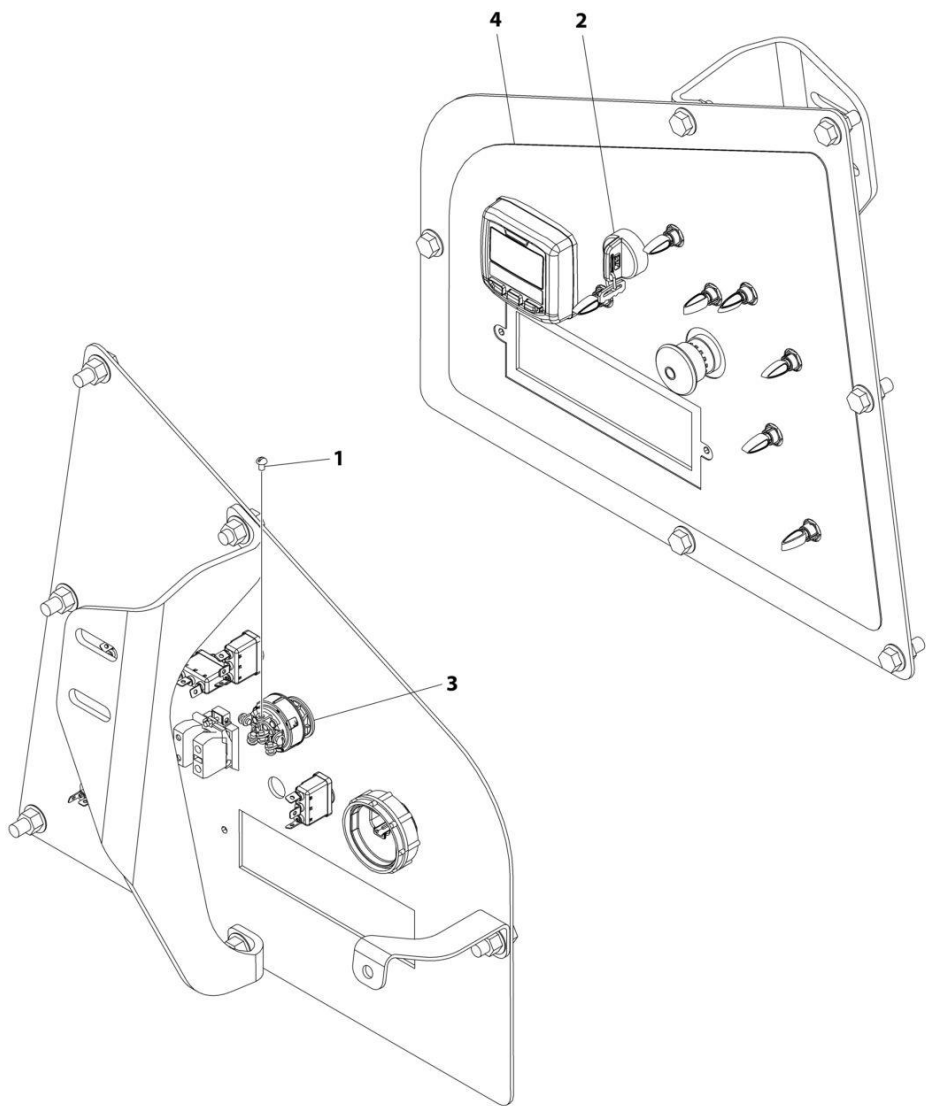
SECTION 2 - TURNTABLE

**FIGURE 2-28. KEYSWITCH AND PANEL DECAL INSTALLATION - WITH DEUTZ D2.9L4 (STAGE V)
ENGINES (CE & UK CA SPEC) (400SC)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245832	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360274	1	Switch, Push Button	
3	4360387	1	Switch, Push Button	
4	4360469	1	Switch, Key	
4	2860030	1	Key, Replacement	
5	1001151393	1	Shim .063	
6	1001176469	1	Shroud, Switch	
7	1001245828	1	Decal - Ground Control	

SECTION 2 - TURNTABLE

FIGURE 2-29. KEYSWITCH AND PANEL DECAL INSTALLATION (460SJC)



ART_1001222144

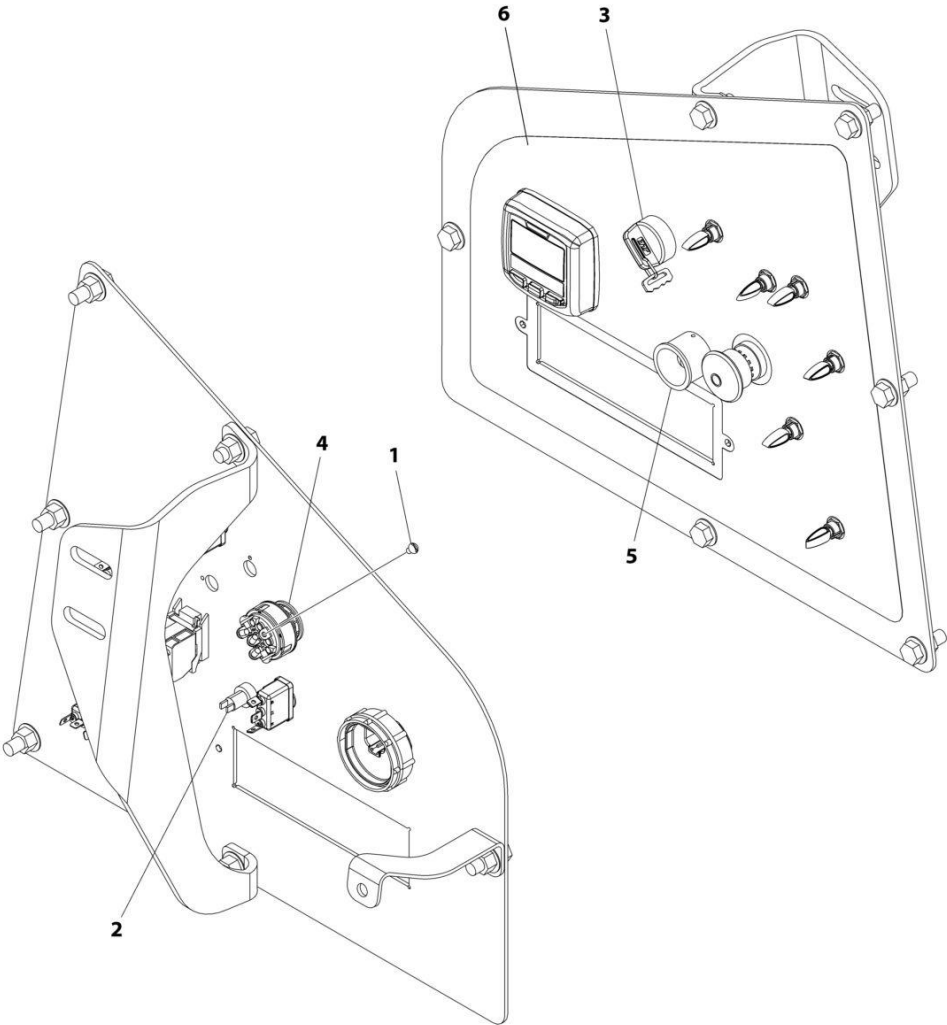
SECTION 2 - TURNTABLE

FIGURE 2-29. KEYSWITCH AND PANEL DECAL INSTALLATION (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222144	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2	2860030	1	Key, Replacement	
3	1001151393	1	Shim .063	
4	1001221407	1	Decal - Ground Control	

SECTION 2 - TURNTABLE

FIGURE 2-30. KEYSWITCH AND PANEL DECAL INSTALLATION (CE & UK CA (LRC) SPEC) (460SJC)



ART_1001238914

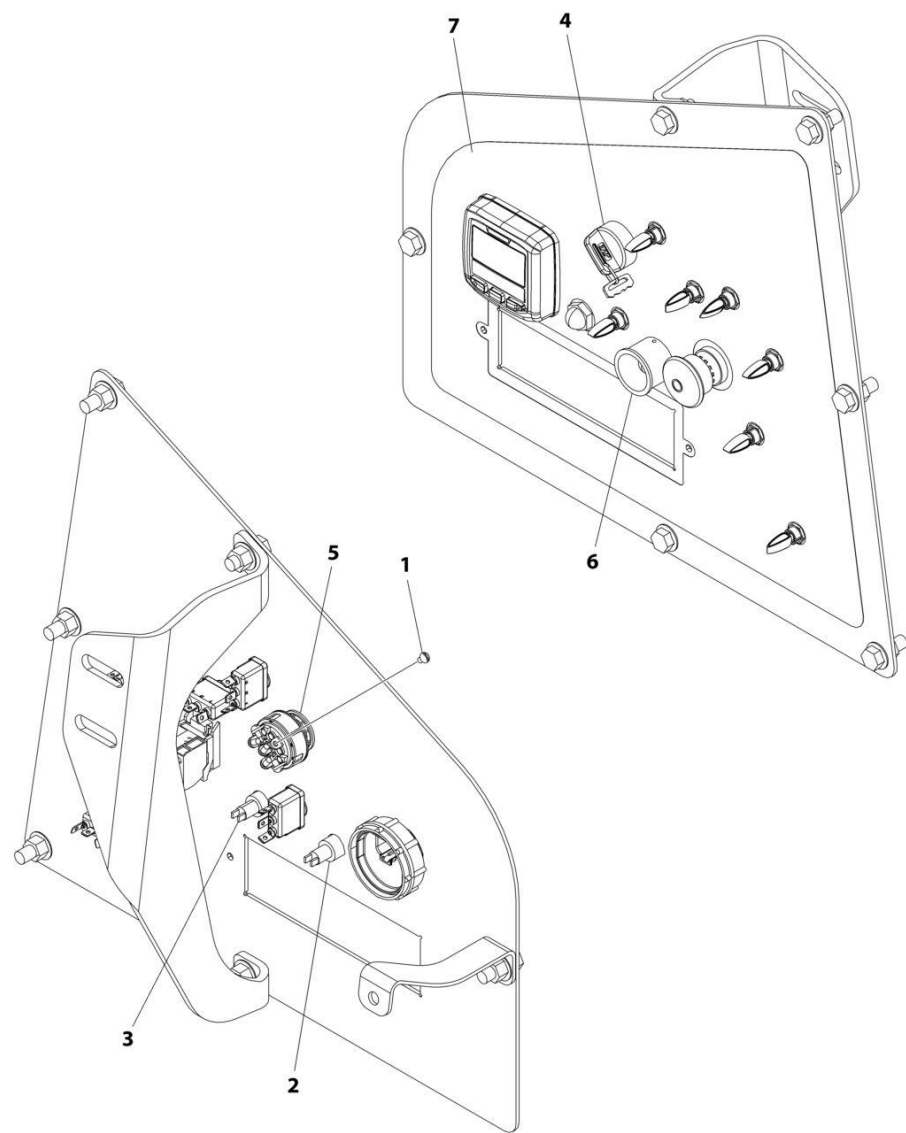
SECTION 2 - TURNTABLE

FIGURE 2-30. KEYSWITCH AND PANEL DECAL INSTALLATION (CE & UK CA (LRC) SPEC) (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238914	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360387	1	Switch, Push Button	
3	4360469	1	Switch, Key	
3	2860030	1	Key, Replacement	
4	1001151393	1	Shim .063	
5	1001176469	1	Shroud, Switch	
6	1001238913	1	Decal - Ground Control	

SECTION 2 - TURNTABLE

FIGURE 2-31. KEYSWITCH AND PANEL DECAL INSTALLATION - WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC) (460SJC)



ART_1001245833

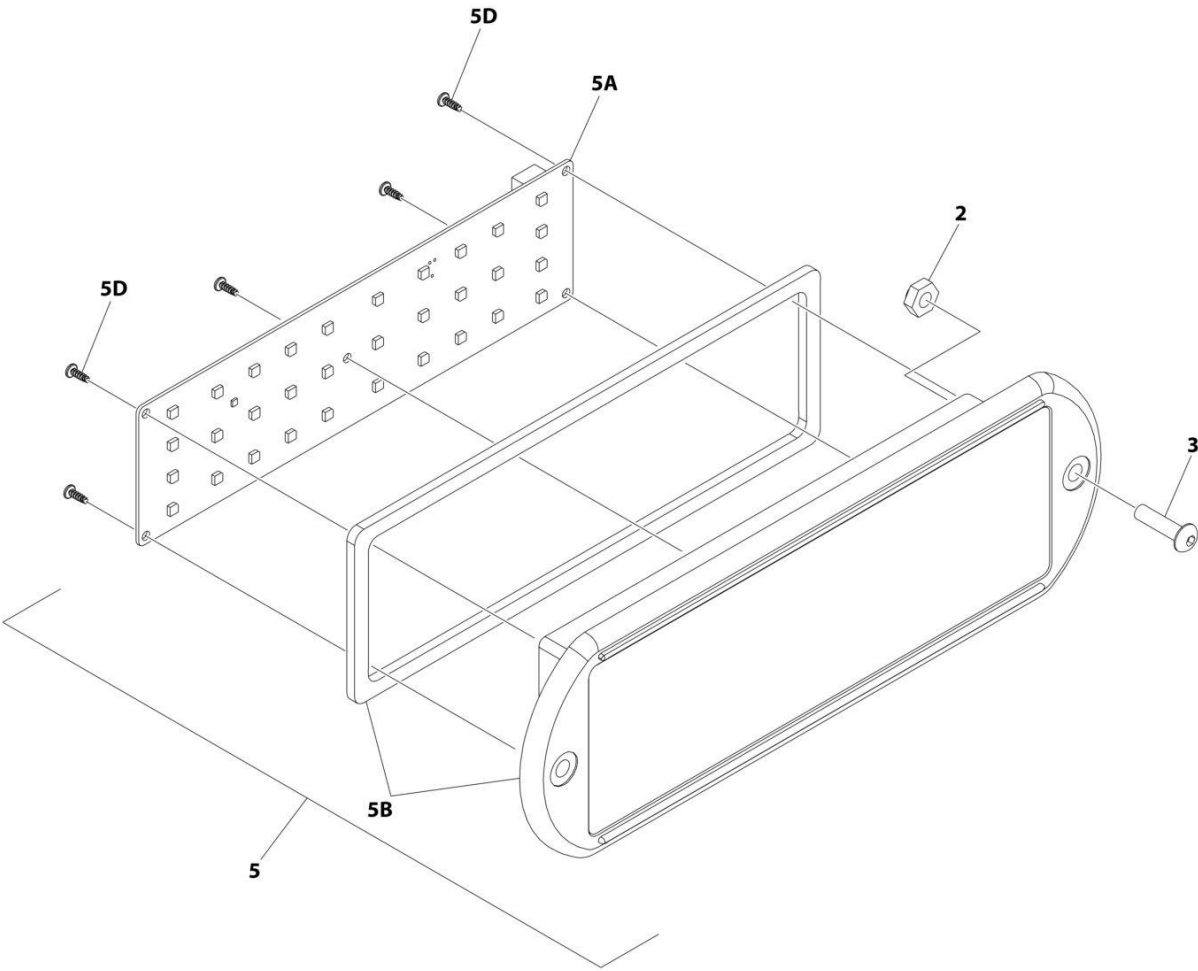
SECTION 2 - TURNTABLE

**FIGURE 2-31. KEYSWITCH AND PANEL DECAL INSTALLATION - WITH DEUTZ D2.9L4 (STAGE V)
ENGINES (CE & UK CA SPEC) (460SJC)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245833	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360274	1	Switch, Push Button	
3	4360387	1	Switch, Push Button	
4	4360469	1	Switch, Key	
4	2860030	1	Key, Replacement	
5	1001151393	1	Shim .063	
6	1001176469	1	Shroud, Switch	
7	1001245829	1	Decal - Ground Control	

SECTION 2 - TURNTABLE

FIGURE 2-32. LIGHT PANEL INSTALLATION



ART_1001233959_D_1OF2

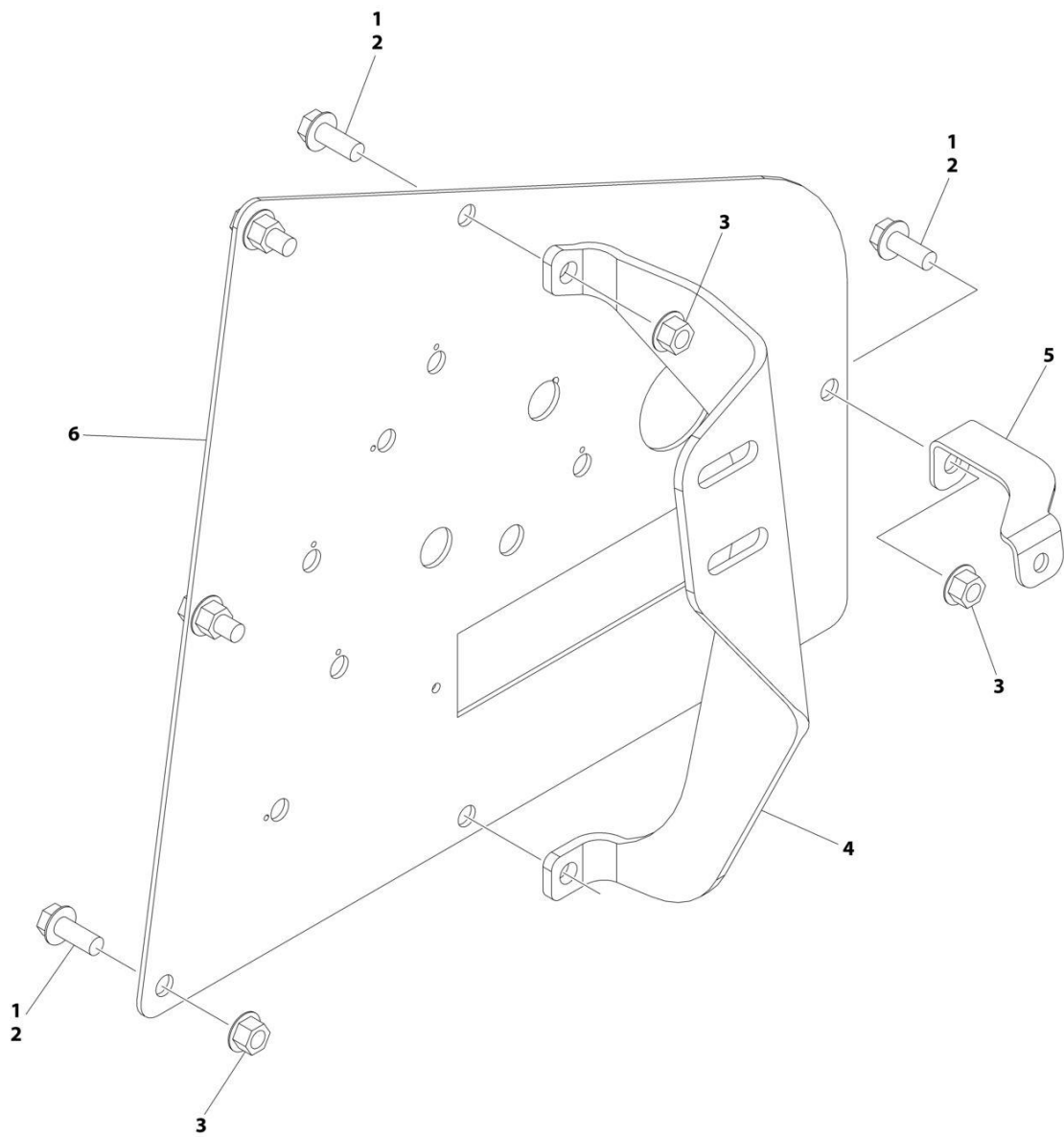
SECTION 2 - TURNTABLE

FIGURE 2-32. LIGHT PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233959	Ref	LIGHT PANEL INSTALLATION	D
2	3300408	2	Nut, Nylon Insert	
3	0630518	2	Screw #10 x 3/4	
5	1001237546	1	Light Panel Assembly	J
5A	1001282106	1	Panel, LED Light	
5B	1001236091	1	Lens, Icon (Includes Gasket)	
5D		Ref	Screw	

SECTION 2 - TURNTABLE

FIGURE 2-33. GROUND CONTROL PANEL MOUNTING (400SC)



ART_1001238887_8

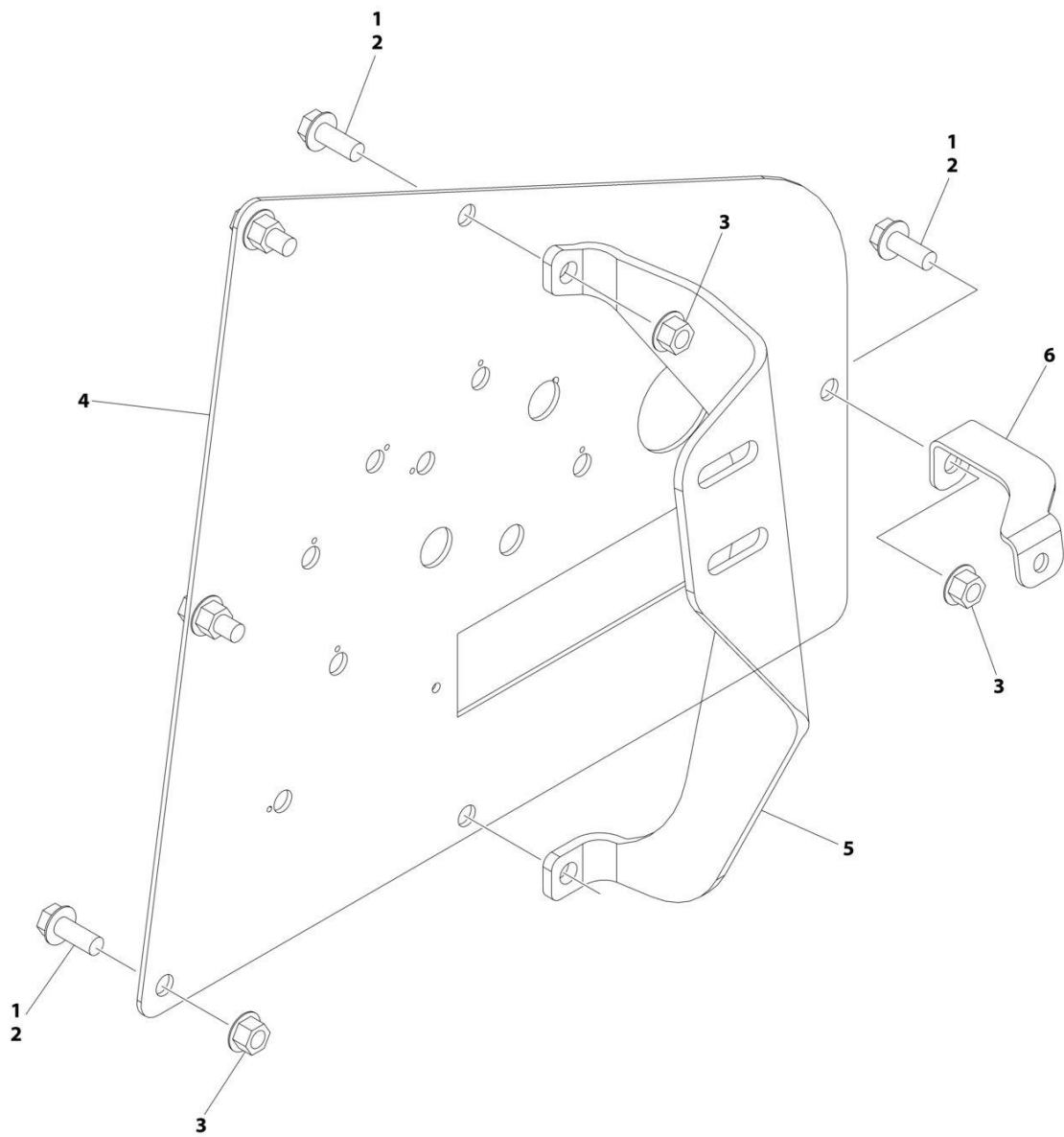
SECTION 2 - TURNTABLE

FIGURE 2-33. GROUND CONTROL PANEL MOUNTING (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238887	Ref	GROUND CONTROL PANEL MOUNTING	B
1	0100011	AR	Compound, Locking	
2	5251012	6	Bolt M10 x 25	
3	5261000	6	Nut M10	
4	1001235528	1	Support	
5	1001235529	1	Bracket	
6	1001297390	1	Plate, Ground Control	

SECTION 2 - TURNTABLE

FIGURE 2-34. GROUND CONTROL PANEL MOUNTING (460SJC)



ART_1001235531_C

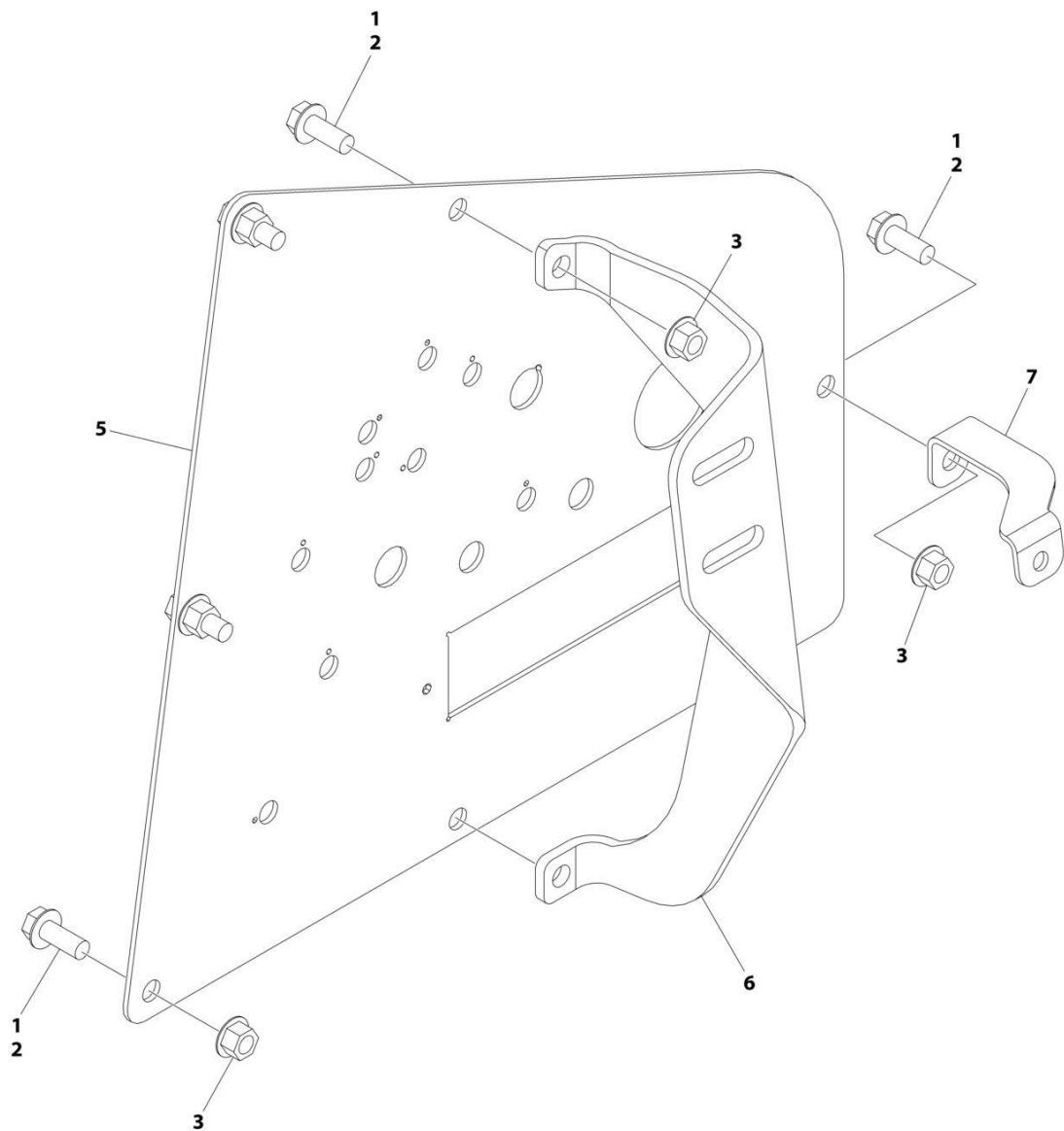
SECTION 2 - TURNTABLE

FIGURE 2-34. GROUND CONTROL PANEL MOUNTING (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235531	Ref	GROUND CONTORL MOUNTING - 460SJ	C
1	0100011	AR	Compound, Locking	
2	5251012	6	Bolt M10 x 25	
3	5261000	6	Nut M10	
4	1001297385	1	Plate, Ground Control	
5	1001235528	1	Support	
6	1001235529	1	Bracket	

SECTION 2 - TURNTABLE

FIGURE 2-35. GROUND CONTROL PANEL MOUNTING WITH DEUTZ (STAGE V) ENGINE



ART_1001245379_C

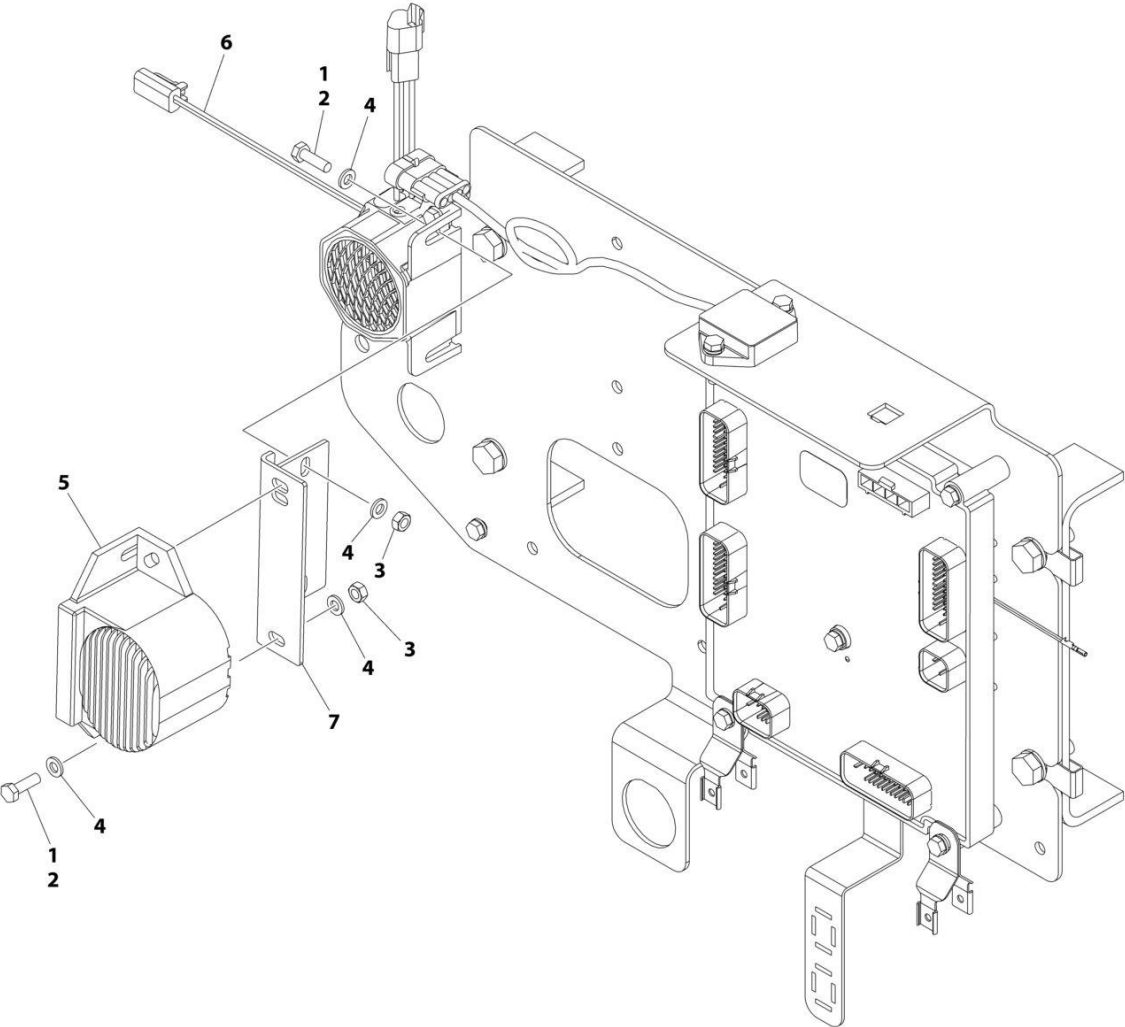
SECTION 2 - TURNTABLE

FIGURE 2-35. GROUND CONTROL PANEL MOUNTING WITH DEUTZ (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245379	Ref	GROUND CONTORL MOUNTING	C
1	0100035	AR	Compound, Locking	
2	5251012	6	Bolt M10 x 25	
3	5261000	6	Nut M10	
5	1001297386	1	Plate, Ground Control	
6	1001235528	1	Support	
7	1001235529	1	Bracket	

SECTION 2 - TURNTABLE

FIGURE 2-36. WHITE NOISE ALARM (AMBIENT) INSTALLATION



ART_1001209618

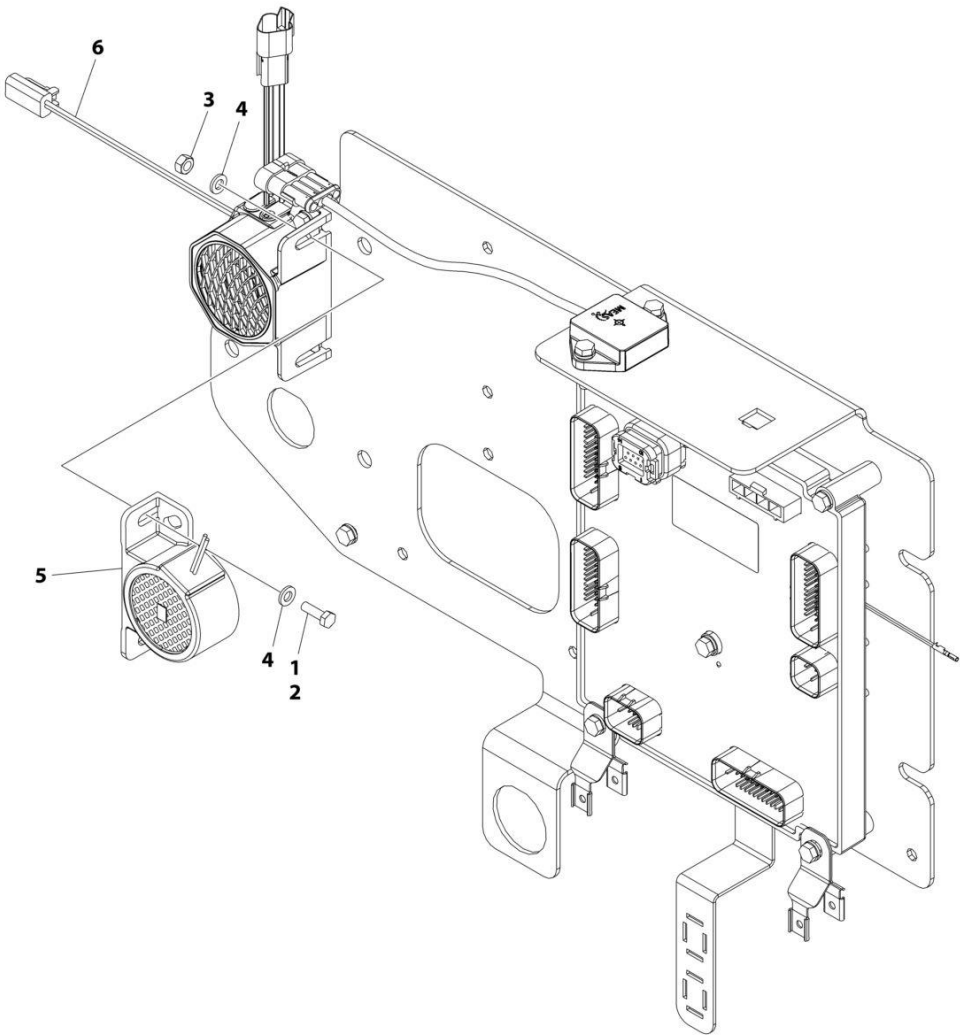
SECTION 2 - TURNTABLE

FIGURE 2-36. WHITE NOISE ALARM (AMBIENT) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209618	Ref	WHITE NOISE ALARM INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0760610	4	Bolt M6 x 20	
3	3290601	4	Nut M6	
4	4811700	8	Washer M6	
5	1001182806	1	Alarm	
6	1001190663	1	Harness, Jumper	
6	4460891	1	Connector - 2 Position	
6	4460465	2	Socket, Female	
6	4460871	2	Socket, Female	
7	1001231886	1	Plate	

SECTION 2 - TURNTABLE

FIGURE 2-37. WHITE NOISE ALARM (CONSTANT) INSTALLATION



ART_1001263176

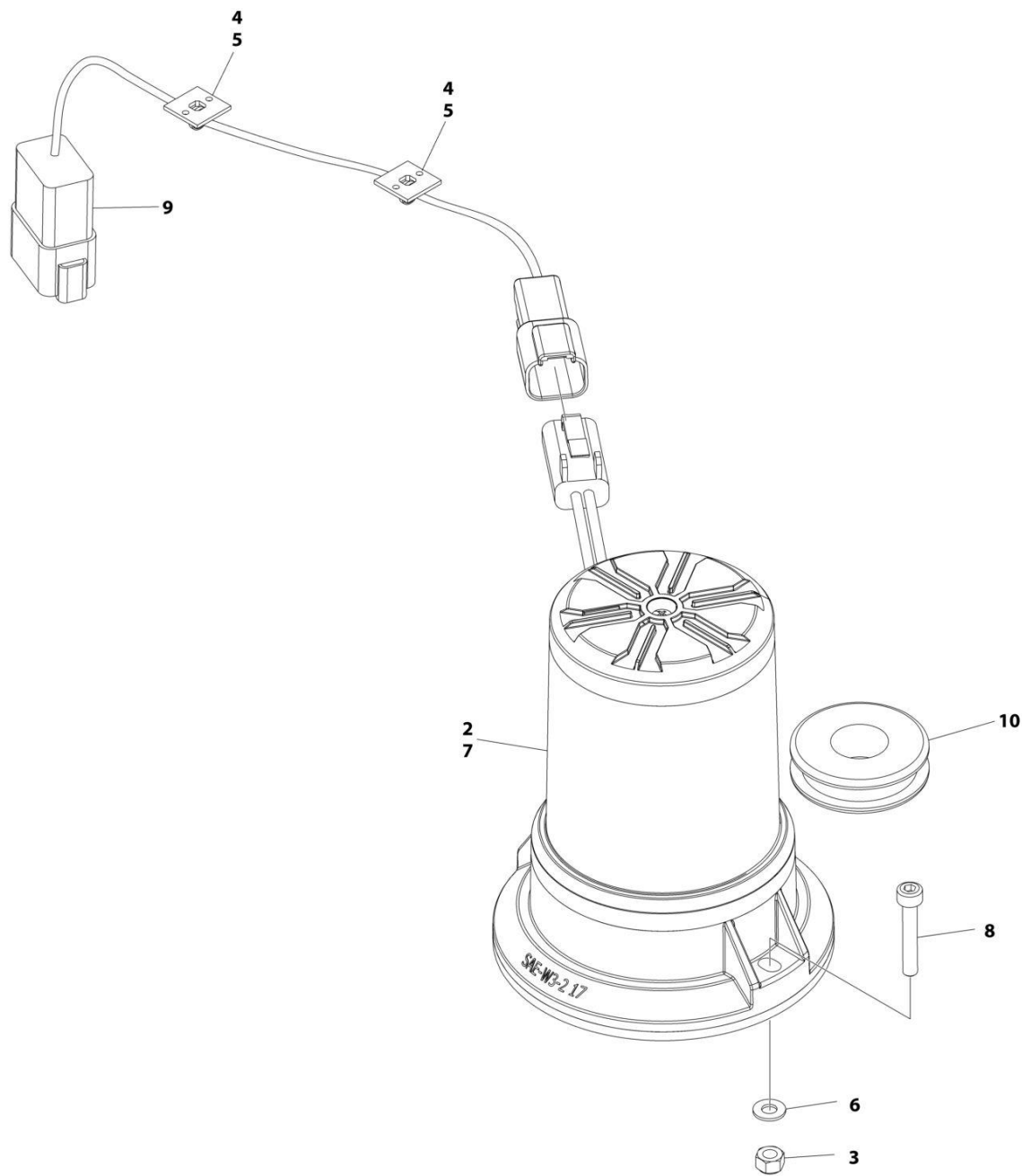
SECTION 2 - TURNTABLE

FIGURE 2-37. WHITE NOISE ALARM (CONSTANT) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263176	Ref	WHITE NOISE ALARM INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0760610	2	Bolt M6 x 20	
3	3290601	2	Nut M6	
4	4811700	4	Washer M6	
5	1001184682	1	Alarm	
6	1001190663	1	Harness, Jumper	
6	4460891	2	Connector - 2 Position	
6	4460465	2	Socket, Female	
6	4460871	1	Socket, Female	

SECTION 2 - TURNTABLE

FIGURE 2-38. BEACON LIGHT INSTALLATION - AMBER



ART_1001172816_E

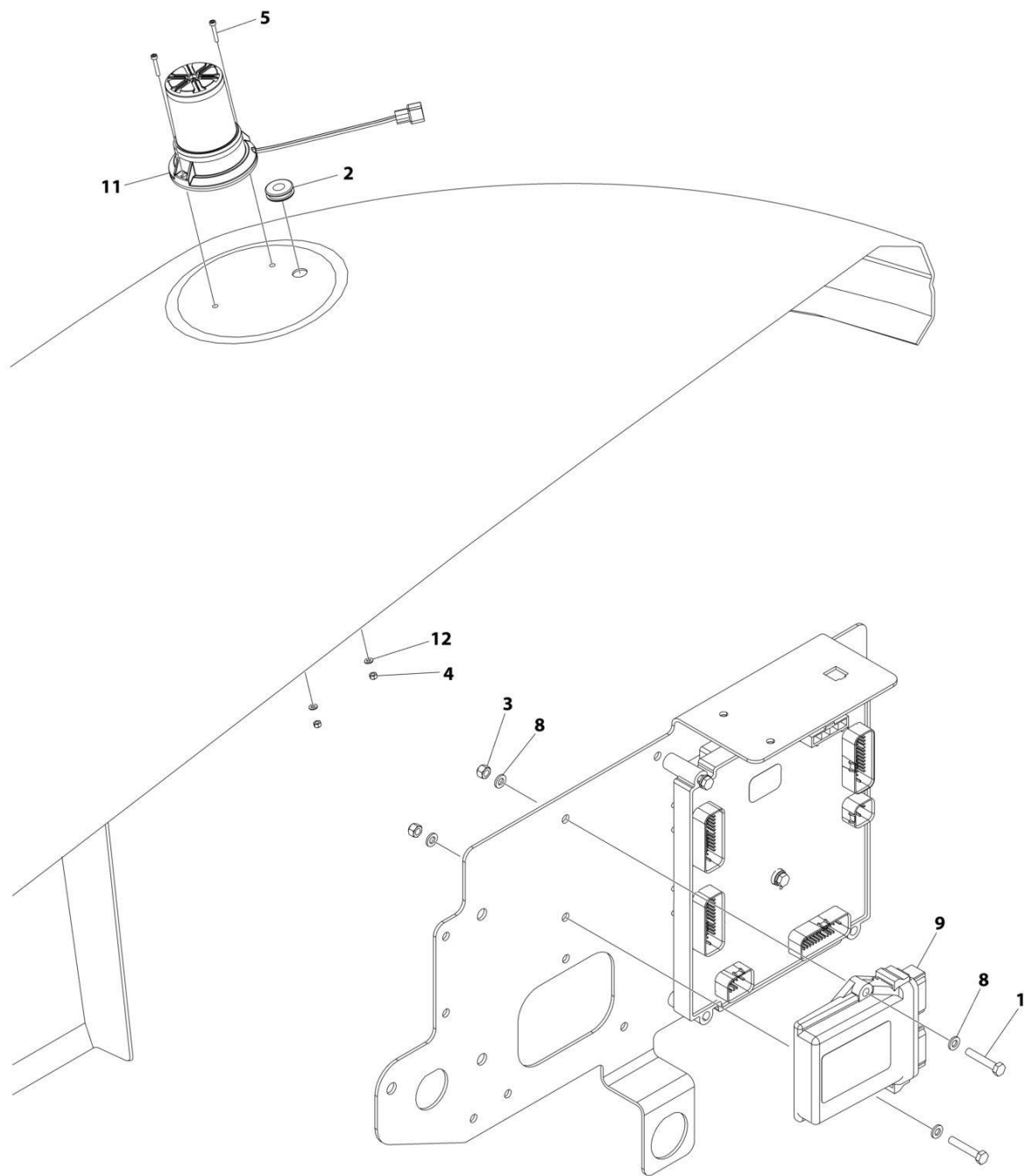
SECTION 2 - TURNTABLE

FIGURE 2-38. BEACON LIGHT INSTALLATION - AMBER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172816	Ref	BEACON LIGHT INSTALLATION - AMBER	E
2	1001270594	1	Light, Strobe (Amber)	
2	4460891	1	Connector	
2	4460465	2	Socket	
3	3290405	2	Nut M4	
4	4240032	AR	Tie-Strap	
5	4460234	2	Mount, Tie-Strap	
6	4811400	2	Washer M4	
7	0100048	AR	Grease, Terminal	
8	4031509	2	Capscrew M4 x 25	
9	1001283776	1	Beacon Harness (See Separate Breakdown in ELECTRICAL Section)	
10	2540020	1	Grommet	

SECTION 2 - TURNTABLE

FIGURE 2-39. BEACON LIGHT INSTALLATION - BLUE



ART_1001242851_B

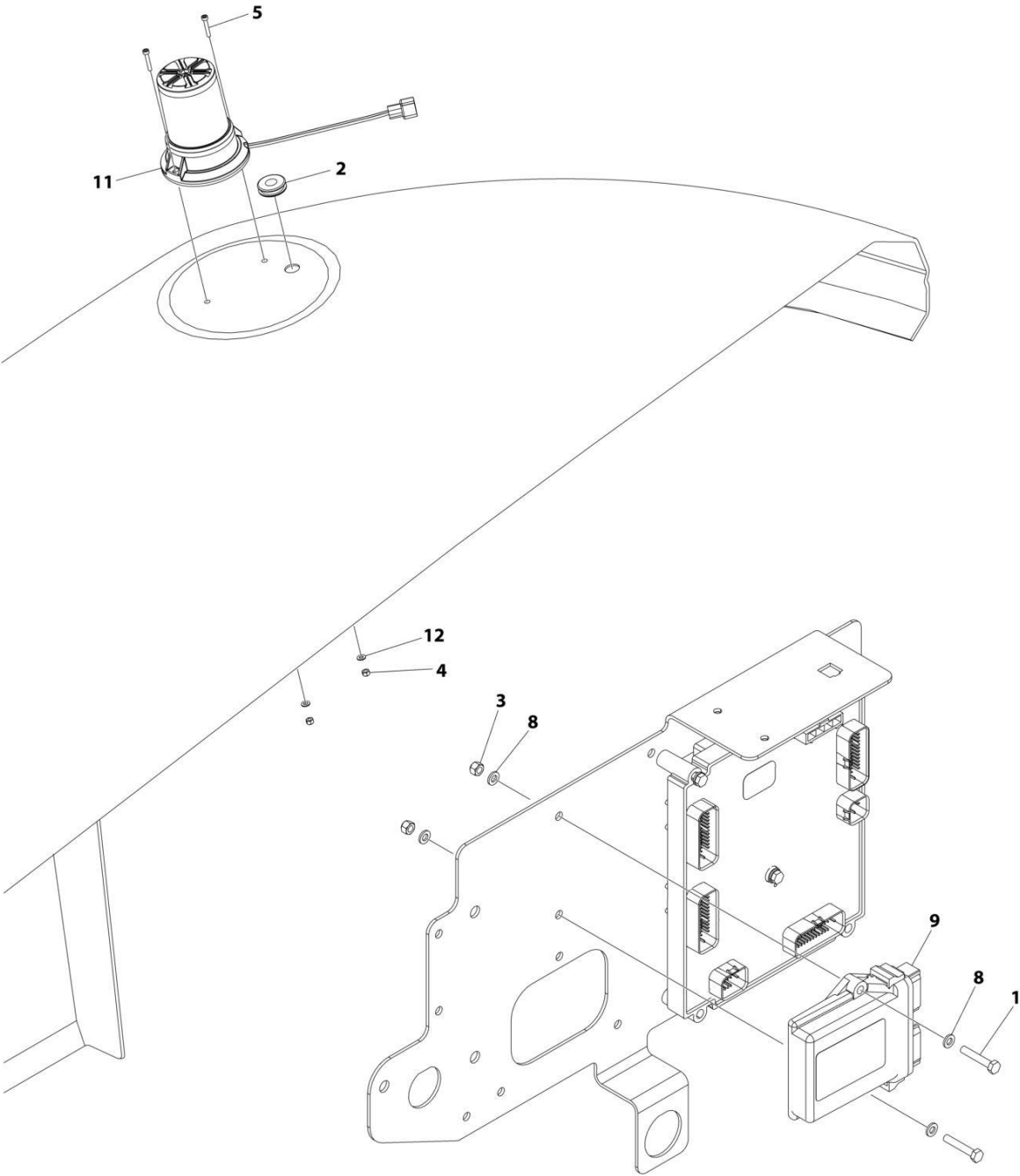
SECTION 2 - TURNTABLE

FIGURE 2-39. BEACON LIGHT INSTALLATION - BLUE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242851	Ref	BEACON LIGHT INSTALLATION - BLUE	B
1	0760615	2	Bolt M6 x 35	
2	2540020	1	Grommet, Insulation	
3	3290605	2	Nut M6	
4	3290405	2	Nut M4	
5	4031509	2	Capscrew M4 x 25	
6	4240099	AR	Tie-Strap (Not Shown)	
8	4811700	4	Washer M6	
9	1001142683	1	Control Module (Note: Re-calibration Required when Replaced)	
10	1001142736	1	Beacon Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
11	1001272681	1	Light, Beacon	
11	4460897	1	Receptacle, Female - 2 Position	
11	4460464	2	Pin, Male	
12	4811400	2	Washer M4	

SECTION 2 - TURNTABLE

FIGURE 2-40. BEACON LIGHT INSTALLATION - RED



ART_1001242852_B

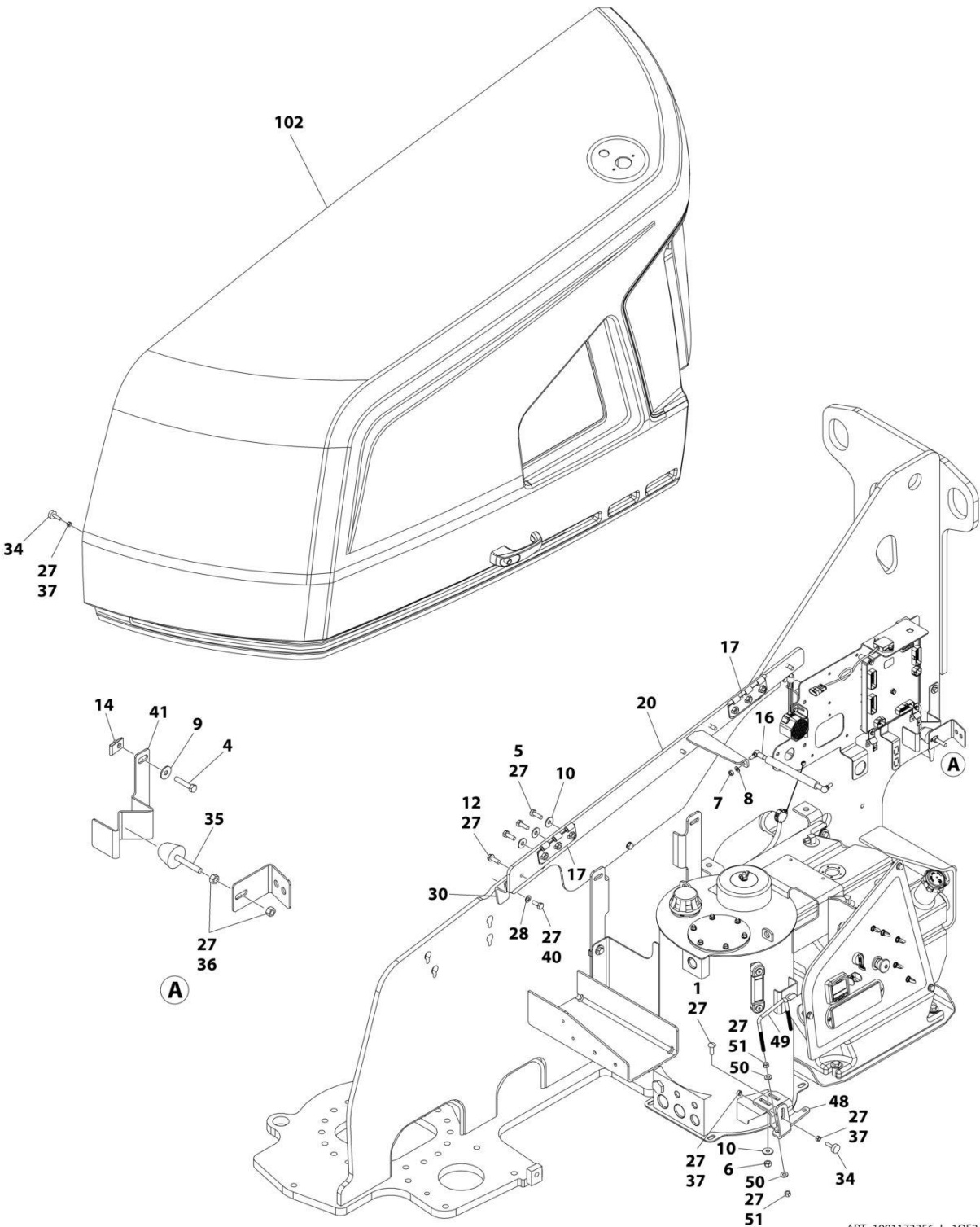
SECTION 2 - TURNTABLE

FIGURE 2-40. BEACON LIGHT INSTALLATION - RED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242852	Ref	BEACON LIGHT INSTALLATION - RED	B
1	0760615	2	Bolt M6 x 35	
2	2540020	1	Grommet, Insulation	
3	3290605	2	Nut M6	
4	3290405	2	Nut M4	
5	4031509	2	Capscrew M4 x 25	
6	4240099	AR	Tie-Strap (Not Shown)	
8	4811700	4	Washer M6	
9	1001142683	1	Control Module (Note: Re-calibration Required when Replaced)	
10	1001142736	1	Beacon Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
11	1001272682	1	Light, Beacon	
11	4460897	1	Receptacle, Female - 2 Position	
11	4460464	2	Pin, Male	
12	4811400	2	Washer M4	

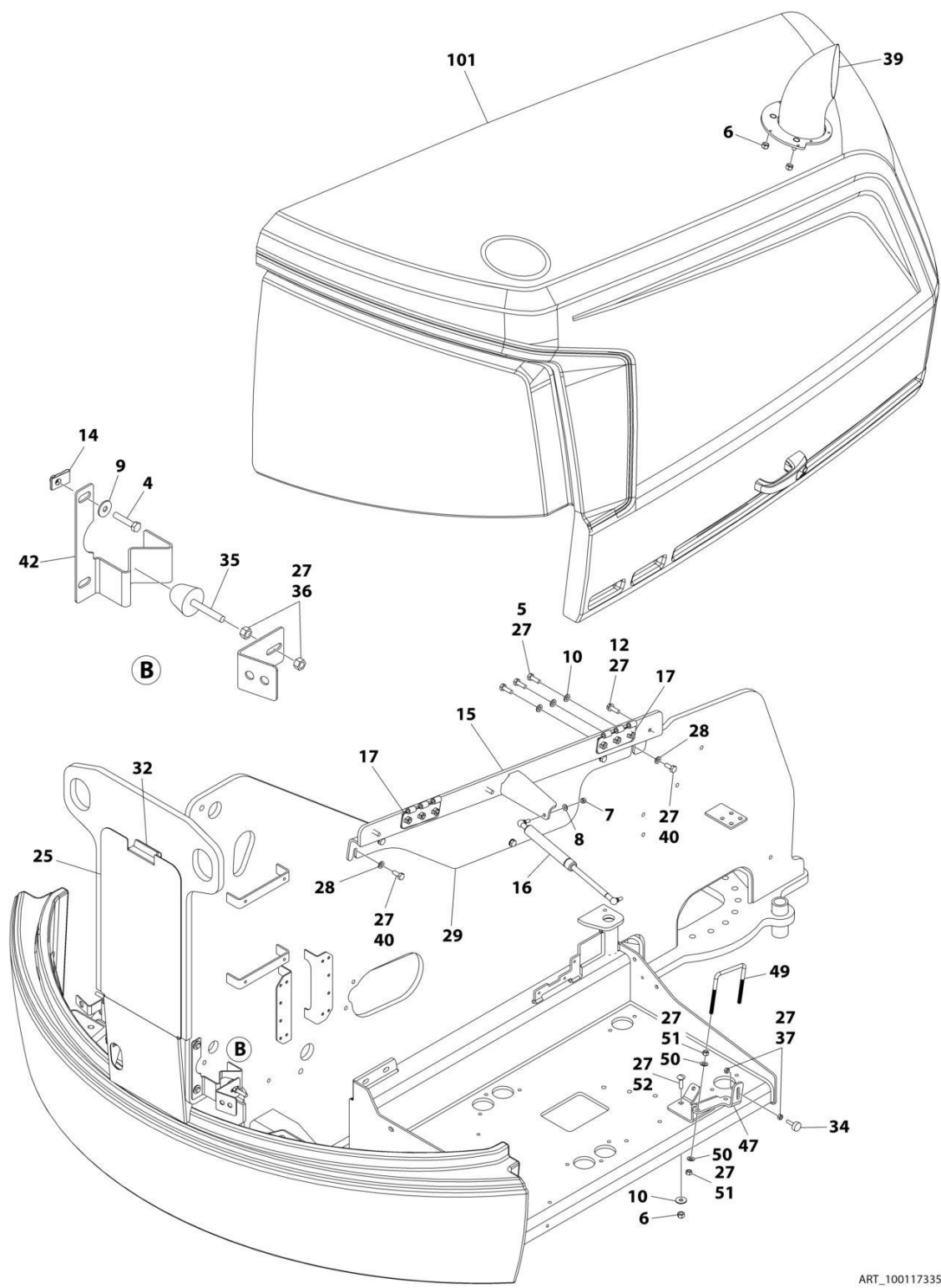
SECTION 2 - TURNTABLE

FIGURE 2-41. HOOD INSTALLATION (ABS)



ART_1001173356_L_10F2

SECTION 2 - TURNTABLE



ART_1001173356_L_20F2

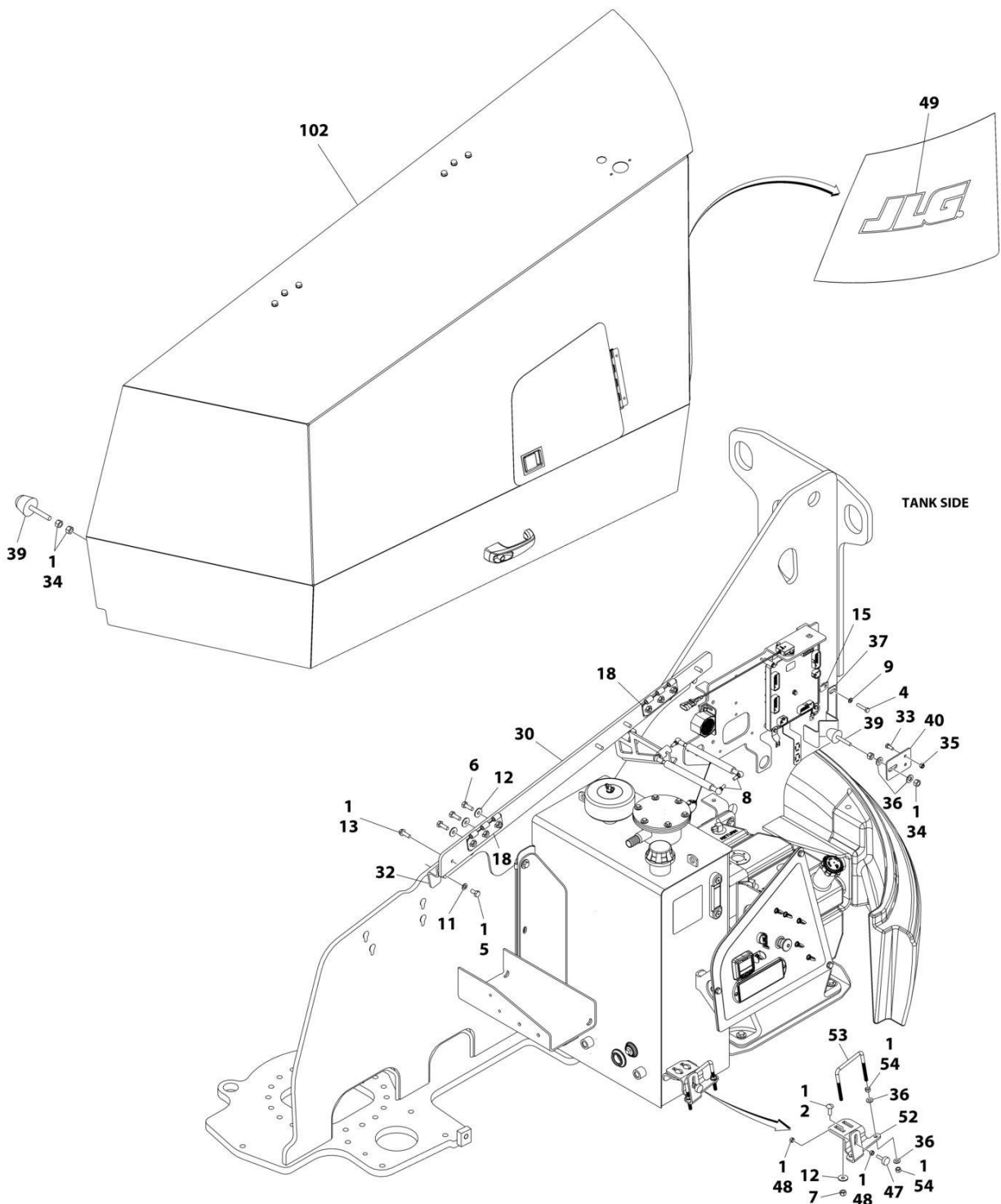
SECTION 2 - TURNTABLE

FIGURE 2-41. HOOD INSTALLATION (ABS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173356	Ref	HOOD INSTALLATION	L
1	0630613	2	Bolt M10 x 30	
4	0760816	4	Bolt M8 x 40	
5	0761014	12	Bolt M10 x 30	
6	3291005	7	Nut M10	
7	3311505	2	Nut 5/16	
8	4711500	2	Washer 5/16	
9	4811902	4	Washer M8	
10	4812002	16	Washer M10	
12	5251014	8	Bolt M10 x 30	
14	1001149160	4	Nut, Tinnerman M8	
15	1001167159	1	Mount, Adjustment	
16	4160182	2	Spring, Gas	
17	1001169046	4	Nut	
20	1001170850	1	Mount, Adjustment	
25	1001173354	1	Cover	
27	0100011	AR	Compound, Locking	
28	4812000	10	Washer M10	
29	1001165060	1	Plate	
30	1001168173	1	Mount, Hinge	
32	90200755	3.35 in/ 8.5cm	Tape, Gasket	
34	0940049	4	Stopper	
35	1001206314	2	Bumper	
36	3271601	4	Nut 3/8	
37	3311501	8	Nut 5/16	
39	1001174098	1	Outlet, Exhaust	
40	0761012	10	Bolt M10 x 25	
41	1001199207	1	Bracket, Bumper	
42	1001199901	1	Bracket, Bumper	
47	1001250287	1	Bracket, Engine	
48	1001250289	1	Bracket, Tank	
49	1001243414	2	Bolt, U-Bolt	
50	4711600	8	Washer 3/8	
51	3311601	8	Nut 3/8	
52	1001228406	2	Bolt M10 x 35	
100	1001285518	1	Hood Kit (Not Shown) (Includes Items 101-102)	
101	1001170551	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001285517	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

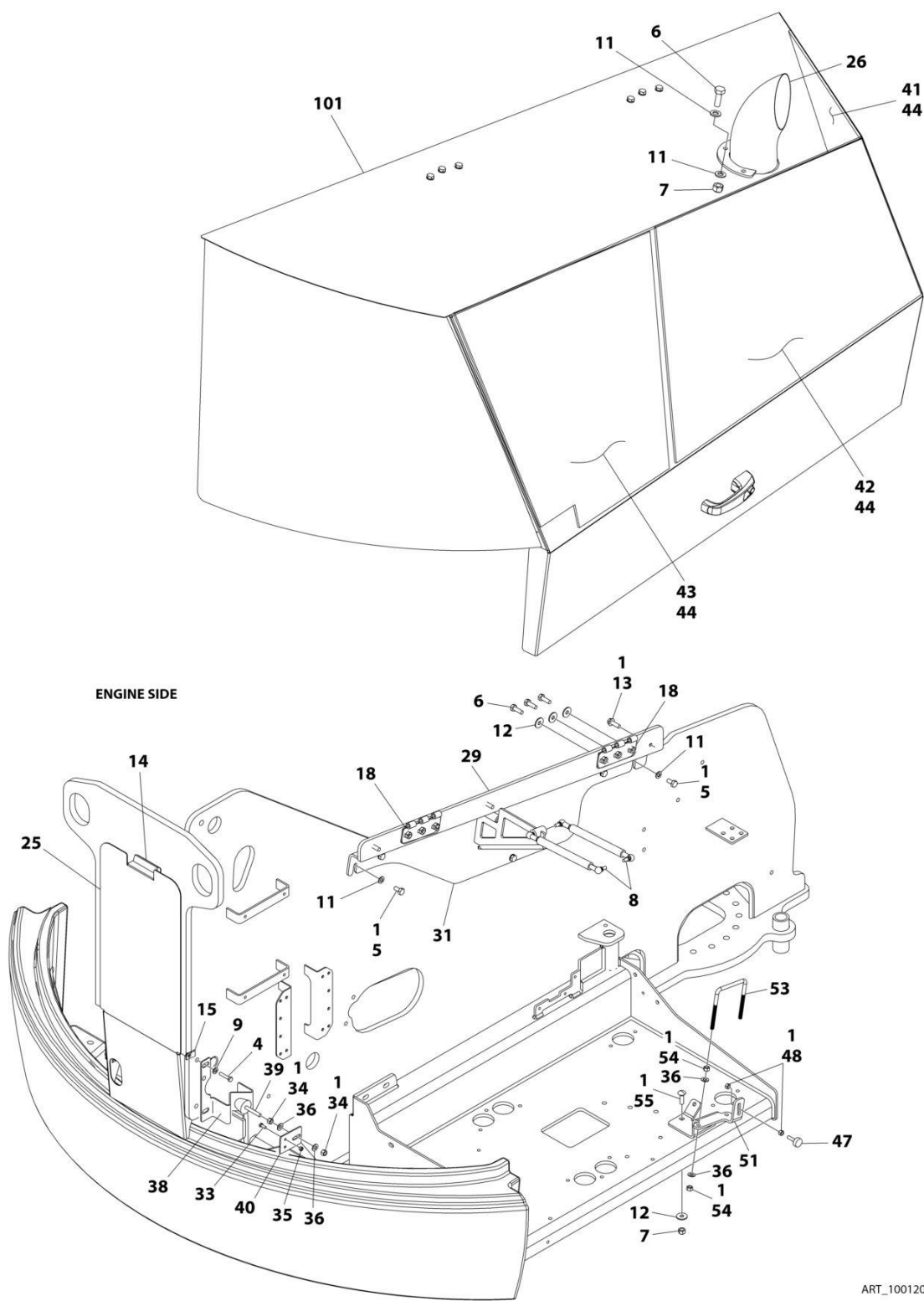
SECTION 2 - TURNTABLE

FIGURE 2-42. HOOD INSTALLATION (STEEL)



ART_1001206402_I_10F2

SECTION 2 - TURNTABLE



ART_1001206402_I_2OF2

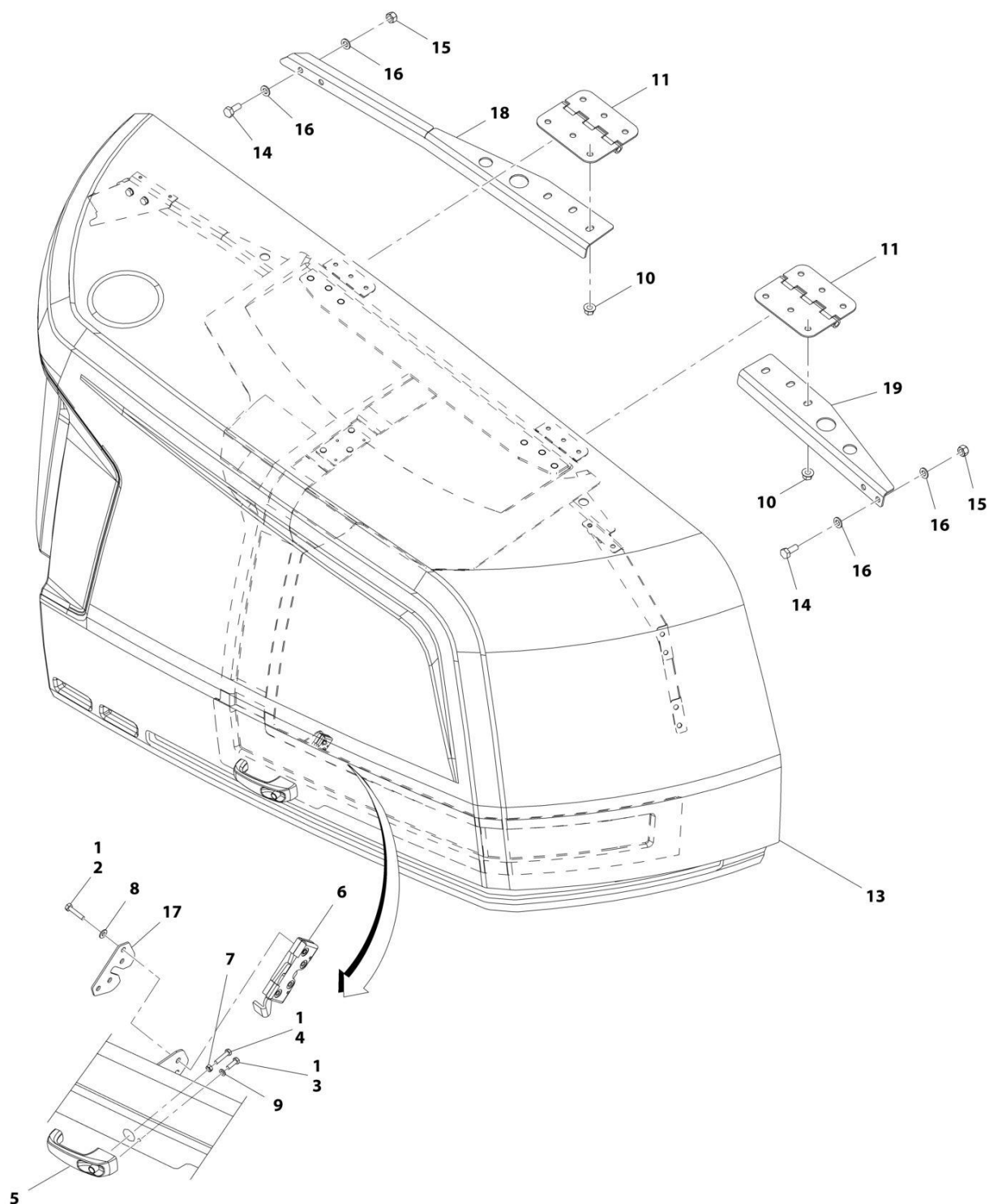
SECTION 2 - TURNTABLE

FIGURE 2-42. HOOD INSTALLATION (STEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206402	Ref	STEEL HOOD INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0630613	2	Bolt M10 x 30	
4	0760816	4	Bolt M8 x 40	
5	0761012	10	Bolt M10 x 25	
6	0761014	15	Bolt M10 x 30	
7	3291005	7	Nut M10	
8	1001167918	4	Spring, Gas	
9	4811900	4	Washer M8	
11	4812000	16	Washer M10	
12	4812002	16	Washer M10	
13	5251012	8	Bolt M10 x 25	
14	90200755	85 mm	Tape, Gasket	
15	1001149160	4	Nut, Tinnerman M8	
18	1001169046	4	Nut	
25	1001173354	1	Cover	
26	1001174098	1	Outlet, Exhaust	
29	1001211633	1	Plate	
30	1001211636	1	Plate	
31	1001212819	1	Mount, Hinge	
32	1001212822	1	Mount, Hinge	
33	0760608	4	Bolt M6 x 16	
34	3271601	8	Nut 3/8	
35	3290605	4	Nut M6	
36	4711600	12	Washer 3/8	
37	1001199207	1	Bracket, Bumper	
38	1001199901	1	Bracket, Bumper	
39	1001206314	4	Bumper	
40	1001219134	2	Plate, Bumper Mount	
41	1001222043	1	Insulate, Heat Shield	
42	1001222044	1	Insulate, Heat Shield	
43	1001223387	1	Insulate, Heat Shield	
44	1001117140	AR	Tape	
47	0940049	2	Stopper	
48	3311501	4	Nut	
49	1001159323	1	Decal - JLG	
50	1001113047	AR	Adhesive (Not Shown)	
51	1001250287	1	Bracket, Engine	
52	1001250289	1	Bracket, Tank	
53	1001243414	2	Bolt, U-Bolt	
54	3311601	8	Nut 3/8	
55	1001228406	2	Bolt, Carriage	
100	1001285143	1	Hood Kit (Not Shown - Includes Items 101 & 102)	
101	1001206404	1	Steel Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001285142	1	Steel Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

SECTION 2 - TURNTABLE

FIGURE 2-43. HOOD ASSEMBLY - ENGINE SIDE (ABS)



ART_1001170551

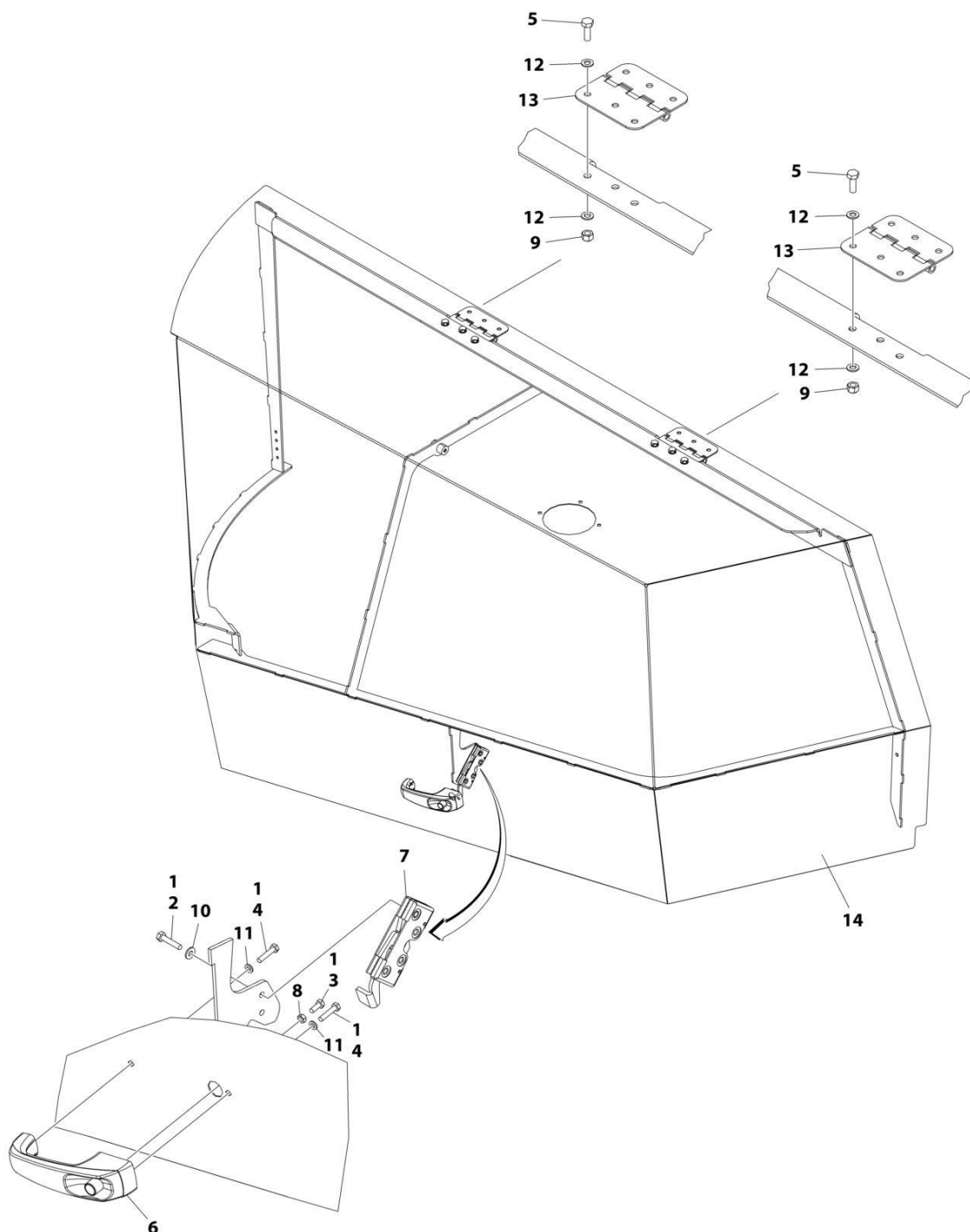
SECTION 2 - TURNTABLE

FIGURE 2-43. HOOD ASSEMBLY - ENGINE SIDE (ABS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170551	Ref	HOOD ASSEMBLY - ENGINE SIDE	F
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760610	2	Bolt M6 x 20	
4	0760614	1	Bolt M6 x 30	
5	2560187	1	Handle, Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	4711400	4	Washer 1/4	
9	4811700	2	Washer M6	
10	5261018	6	Nut M10 Grade 10.9	
11	1001139384	2	Hinge	
13	See Note	NSS	Hood - Engine Side (Note: Purchase pn 1001170551)	
14	0761012	4	Bolt M10 x 25	
15	3291005	4	Nut M10	
16	4812000	8	Washer M10	
17	1001200458	1	Plate	
18	1001201636	1	Hood Support	
19	1001201635	1	Hood Support	

SECTION 2 - TURNTABLE

FIGURE 2-44. HOOD ASSEMBLY - ENGINE SIDE (STEEL)



ART_1001206404

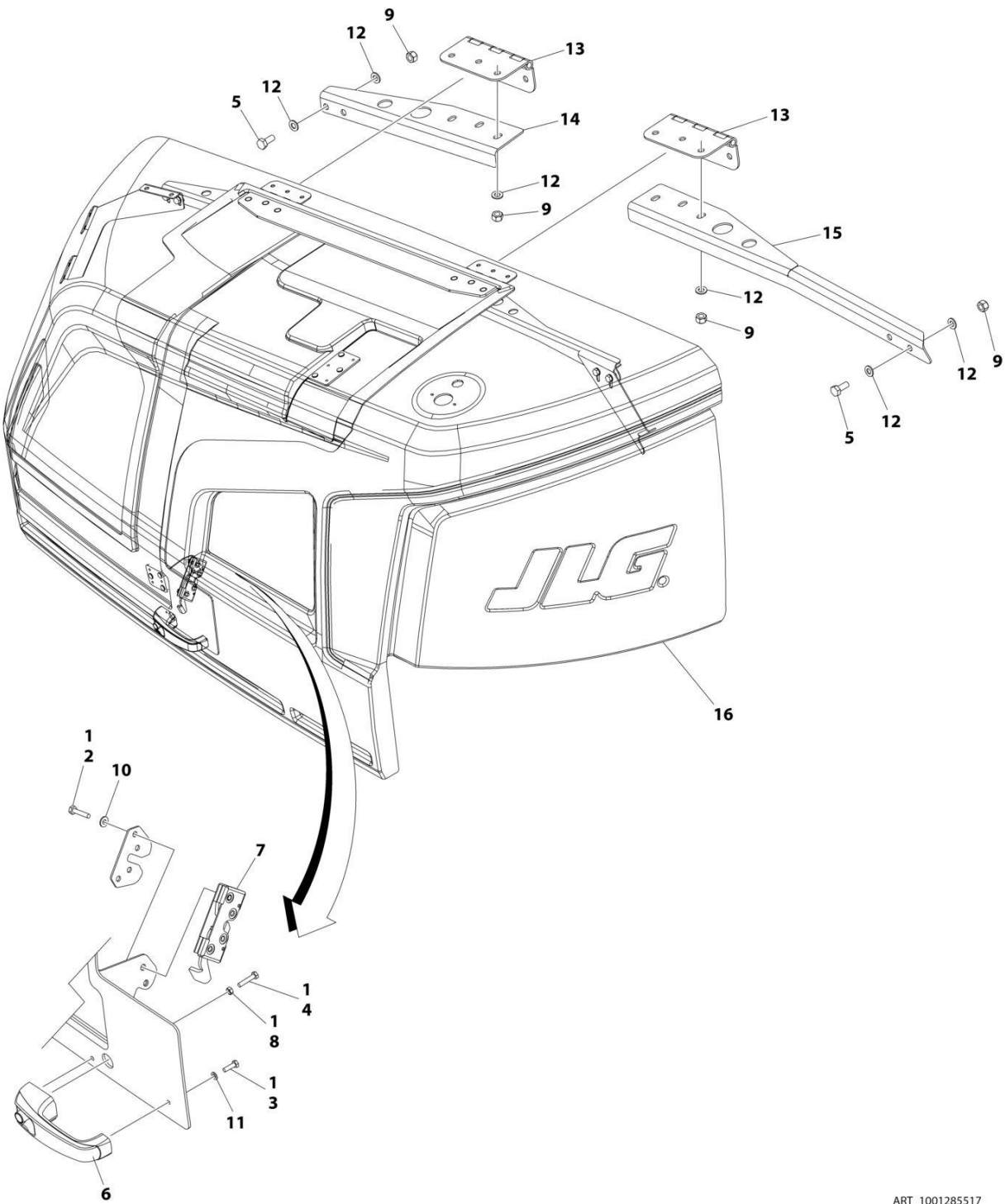
SECTION 2 - TURNTABLE

FIGURE 2-44. HOOD ASSEMBLY - ENGINE SIDE (STEEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206404	Ref	STEEL HOOD ASSEMBLY - ENGINE SIDE	E
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760608	1	Bolt M6 x 16	
4	0760614	2	Bolt M6 x 30	
5	0761014	6	Bolt M10 x 30	
6	2560187	1	Handle, Push Button	
7	2940173	1	Latch, Rotary	
8	3290601	1	Nut M6	
9	3291005	6	Nut M10	
10	4711400	4	Washer 1/4	
11	4811700	2	Washer M6	
12	4812000	12	Washer M10	
13	1001139384	2	Hinge	
14	1001206405	1	Hood, Engine Side	

SECTION 2 - TURNTABLE

FIGURE 2-45. ABS HOOD ASSEMBLY - TANK SIDE



ART_1001285517

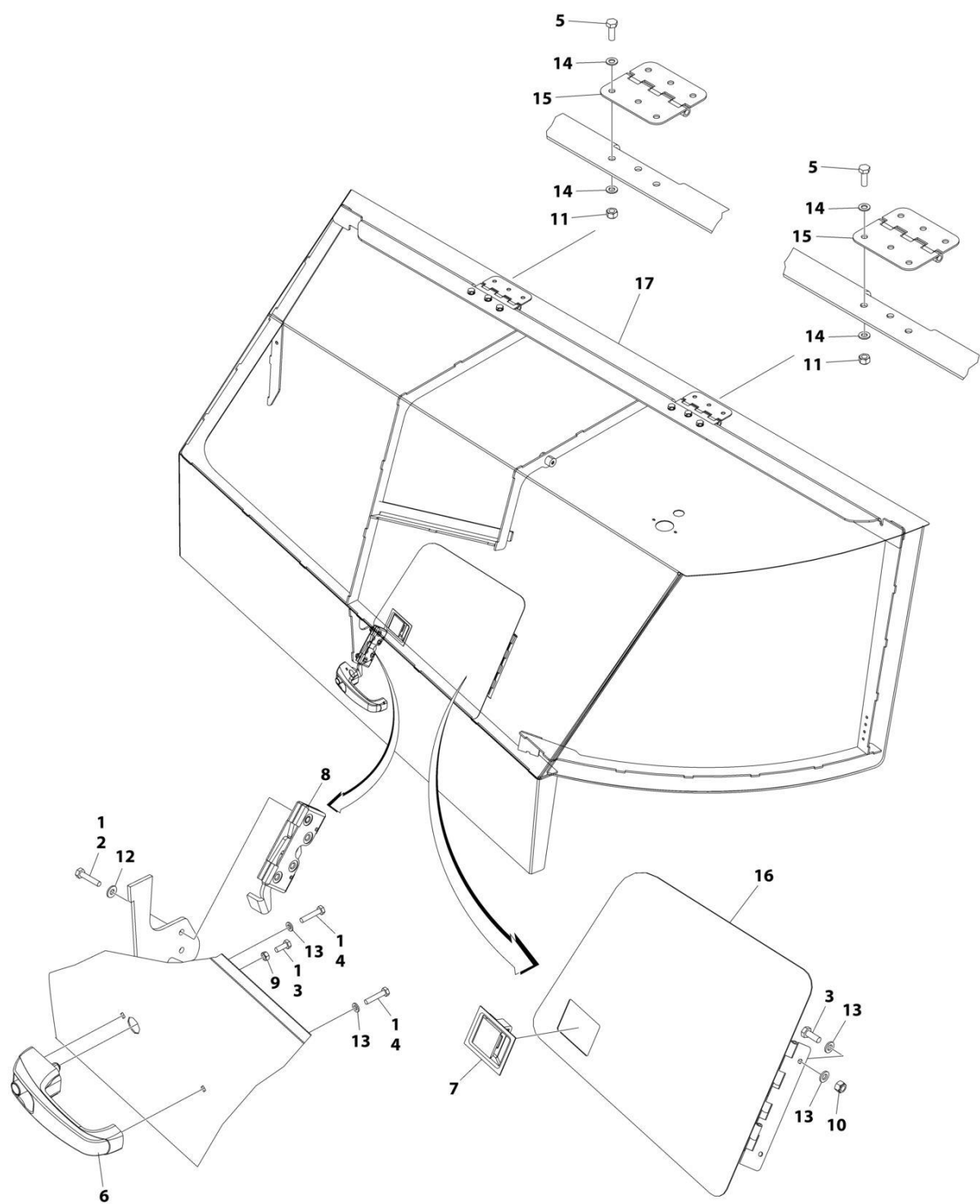
SECTION 2 - TURNTABLE

FIGURE 2-45. ABS HOOD ASSEMBLY - TANK SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285517	Ref	ABS HOOD ASSEMBLY - TANK SIDE	A
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760610	2	Bolt M6 x 20	
4	0760614	1	Bolt M6 x 30	
5	0761012	4	Bolt M10 x 25	
6	2560187	1	Handle, Push Button	
7	2940173	1	Latch, Rotary	
8	3290601	1	Nut M6	
9	3291005	10	Nut M10	
10	4711400	4	Washer 1/4	
11	4811700	2	Washer M6	
12	4812000	14	Washer M10	
13	1001139384	2	Hinge	
14	1001201633	1	Hood Support	
15	1001201634	1	Hood Support	
16	See Note	NSS	Hood (Note: Use PN 1001285517)	

SECTION 2 - TURNTABLE

FIGURE 2-46. STEEL HOOD ASSEMBLY - TANK SIDE



ART_1001285142

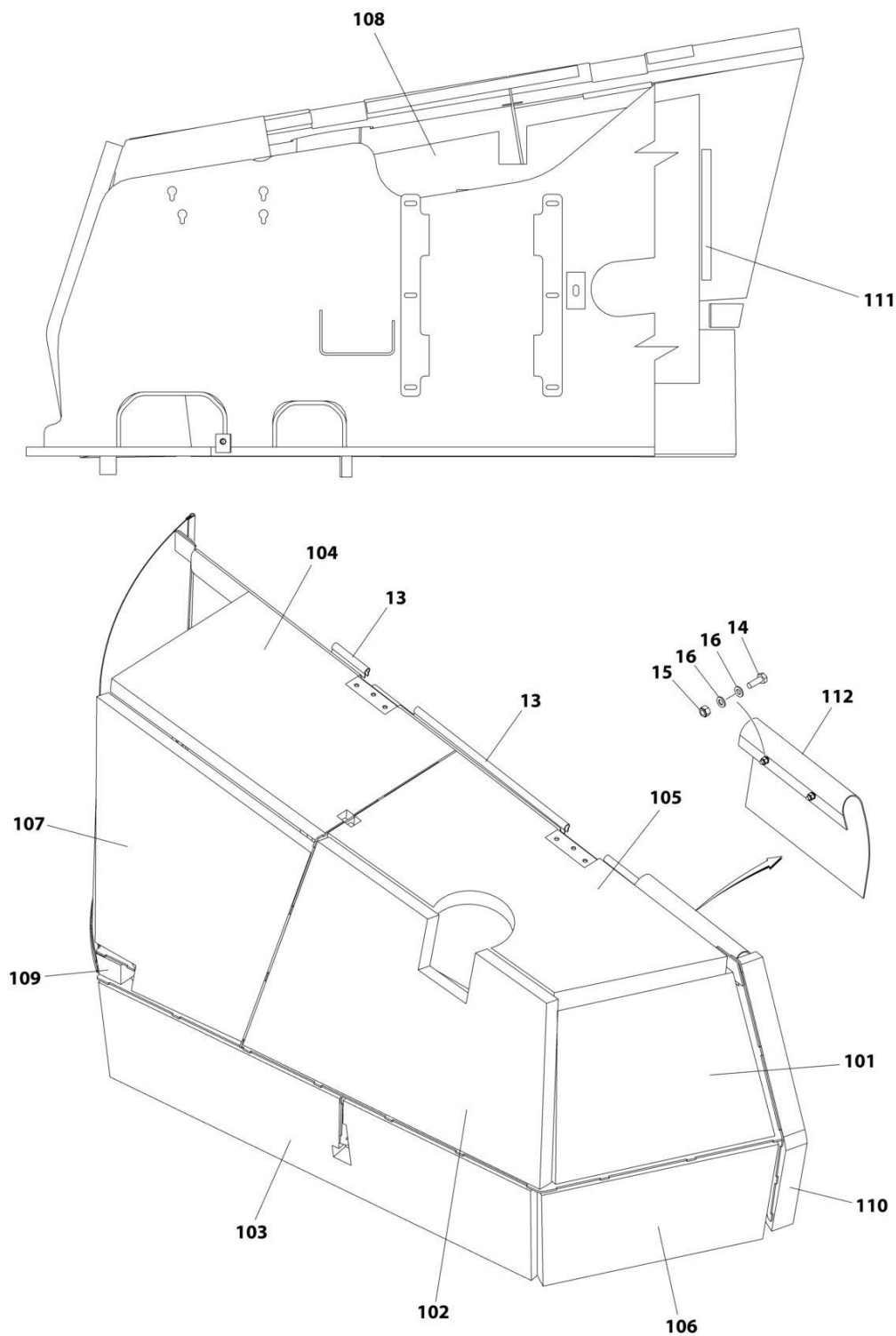
SECTION 2 - TURNTABLE

FIGURE 2-46. STEEL HOOD ASSEMBLY - TANK SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285142	Ref	STEEL HOOD ASSEMBLY - TANK SIDE	B
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760608	3	Bolt M6 x 16	
4	0760614	2	Bolt M6 x 30	
5	0761014	6	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	3291005	6	Nut M10	
12	4711400	4	Washer 1/4	
13	4811700	6	Washer M6	
14	4812000	12	Washer M10	
15	1001139384	2	Hinge	
16	1001207726	1	Door, Ground Control Panel	
17	See Note	NSS	Hood (Note: Use PN 1001285142)	

SECTION 2 - TURNTABLE

FIGURE 2-47. SOUND REDUCTION INSTALLATION - WITH STEEL HOODS (OPTIONAL)



ART_1001233048

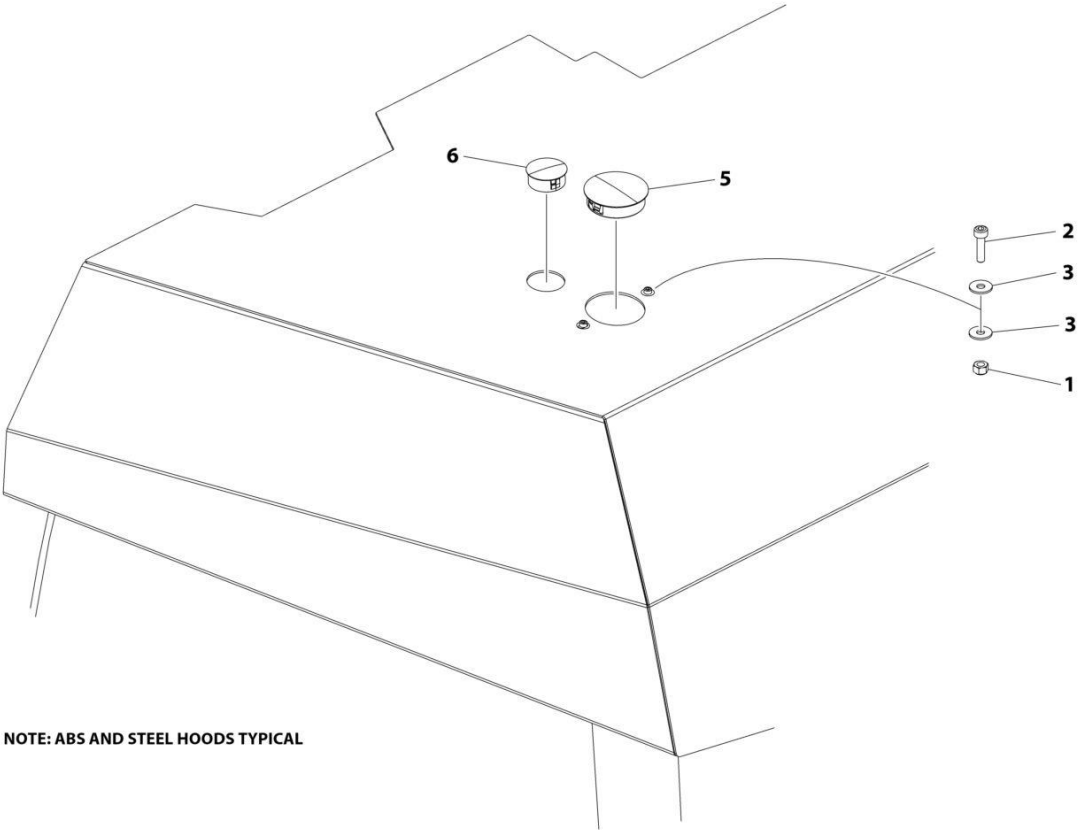
SECTION 2 - TURNTABLE

FIGURE 2-47. SOUND REDUCTION INSTALLATION - WITH STEEL HOODS (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233048	Ref	SOUND REDUCTION INSTALLATION	C
13	3960389	11 ft/ 3.4m	Flex-Trim	
14	0761014	2	Bolt M10 x 30	
15	3291005	2	Nut M10	
16	4812000	4	Washer M10	
100	1001237549	Ref	Sound Insulation Kit (Includes Item 101-112)	
101	1001232907	1	Shield, Sound	
102	1001232908	1	Shield, Sound	
103	1001232913	1	Shield, Sound	
104	1001232915	1	Shield, Sound	
105	1001232916	1	Shield, Sound	
106	1001232917	1	Shield, Sound	
107	1001233075	1	Shield, Sound	
108	1001233076	1	Shield, Sound	
109	1001233077	1	Shield, Sound	
110	1001233412	1	Shield, Sound	
111	1001233413	2	Shield, Sound	
112	1001233436	1	Baffle Rubber	

SECTION 2 - TURNTABLE

FIGURE 2-48. HOOD PLUGS INSTALLATION (HOODS WITHOUT STROBE LIGHT)



NOTE: ABS AND STEEL HOODS TYPICAL

ART_1001285811

SECTION 2 - TURNTABLE

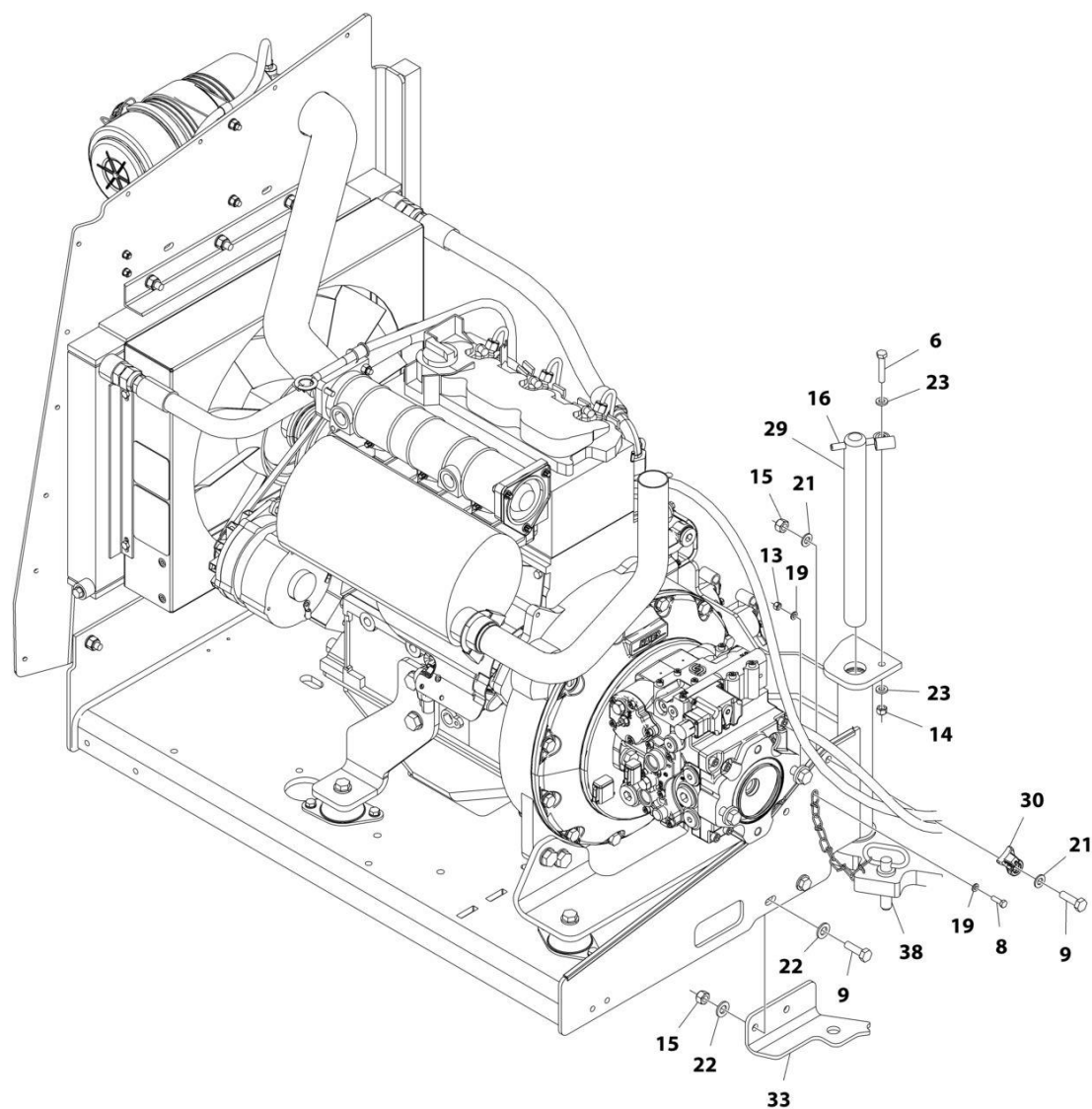
FIGURE 2-48. HOOD PLUGS INSTALLATION (HOODS WITHOUT STROBE LIGHT)

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 3 - ENGINE

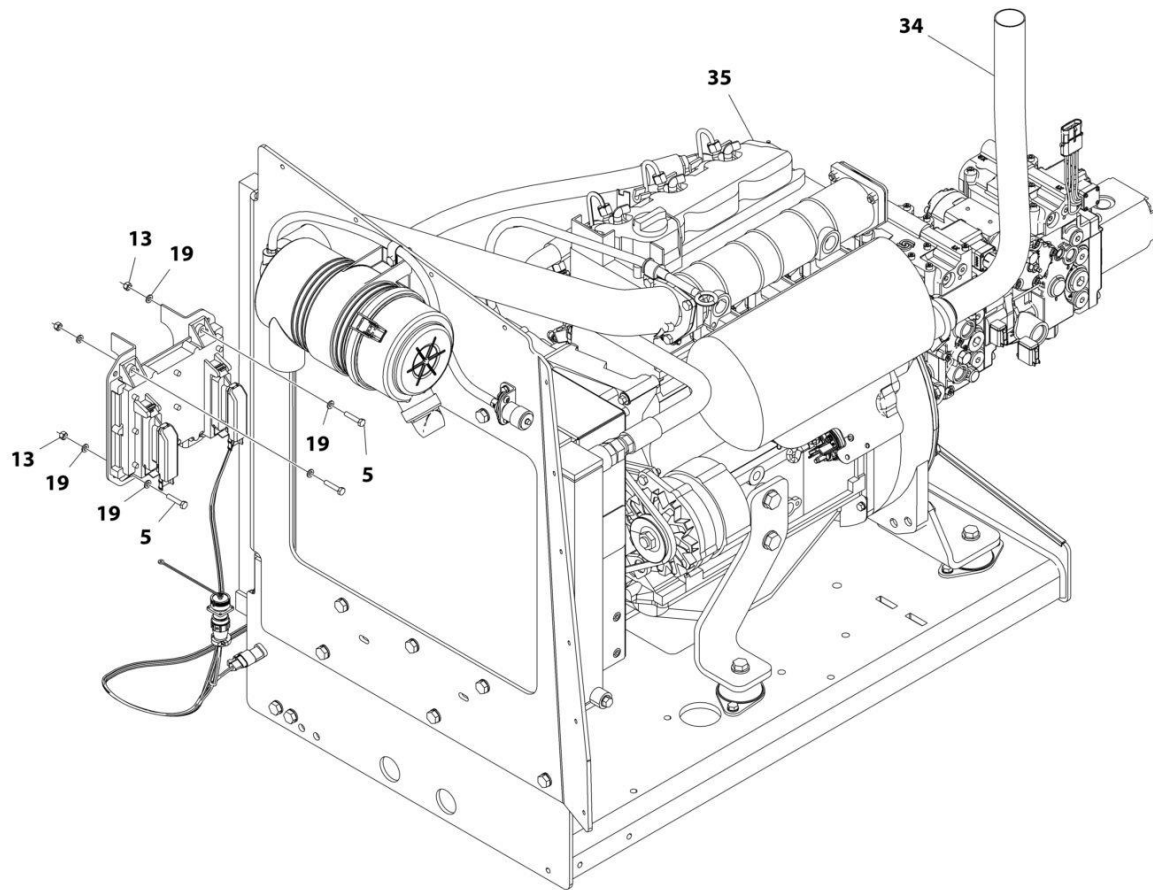
SECTION 3 - ENGINE

FIGURE 3-1. ENGINE INSTALLATION (DEUTZ D2011) (ANSI EXPORT SPECS)



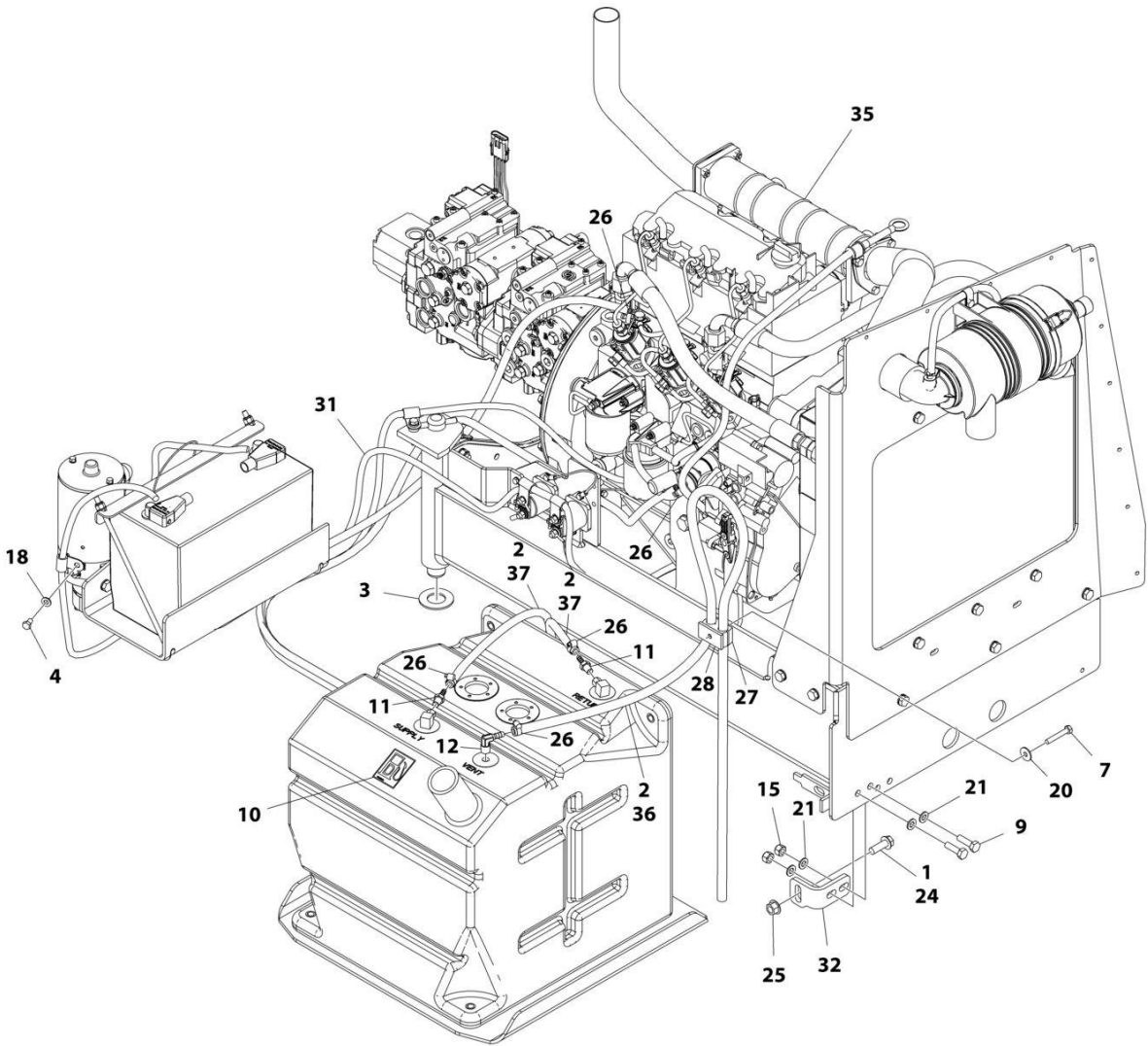
ART_1001190869_1OF3

SECTION 3 - ENGINE



ART_1001190869_2OF3

SECTION 3 - ENGINE



ART_1001190869_3OF3

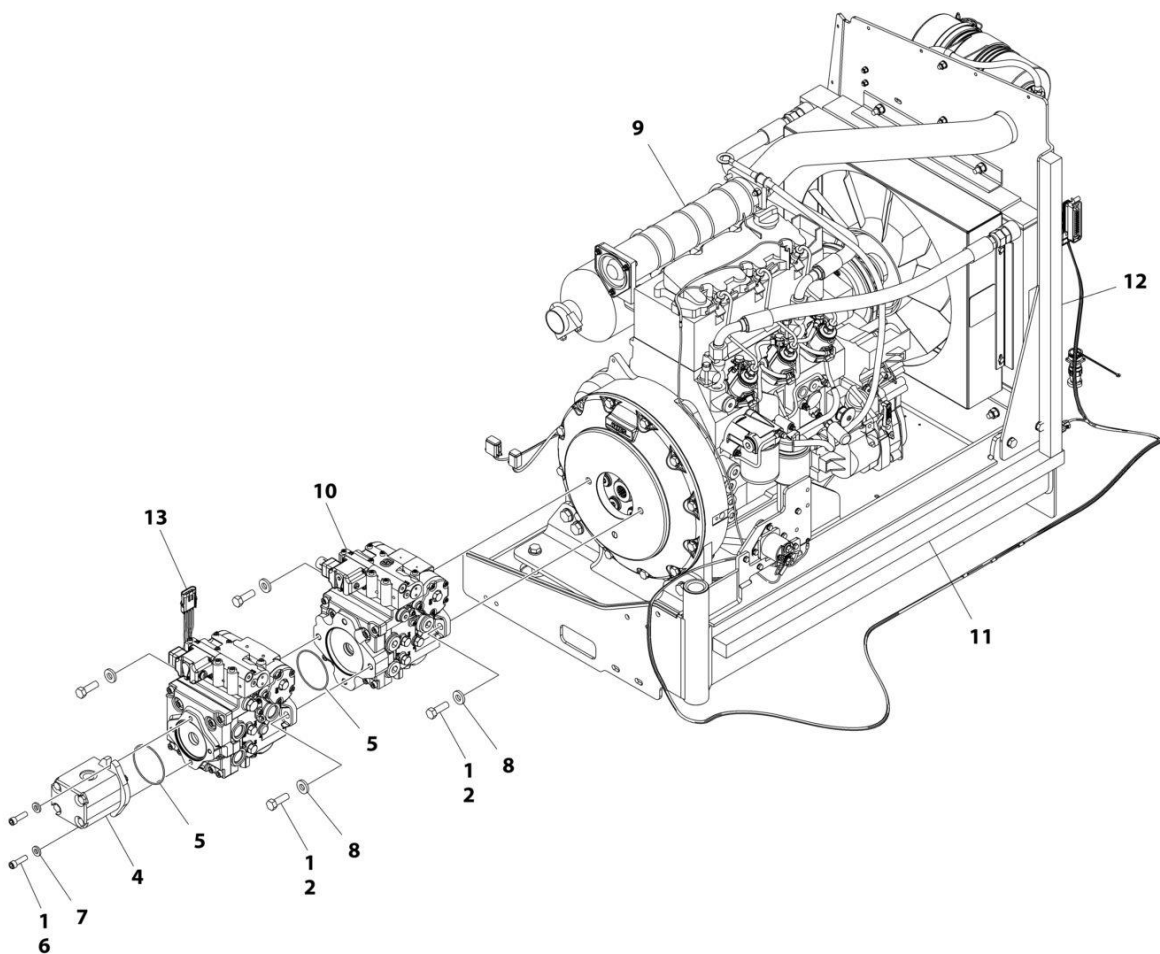
SECTION 3 - ENGINE

FIGURE 3-1. ENGINE INSTALLATION (DEUTZ D2011) (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190869	Ref	ENGINE INSTALLATION (DEUTZ D2011)	F
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700614	4	Bolt M6 x 30	
6	0700817	1	Bolt M8 x 45	
7	0700818	1	Bolt M8 x 50	
8	0760610	1	Bolt M6 x 20	
9	0761015	5	Bolt M10 x 35	
10	1701505	1	Decal - Diesel Fuel	
11	2180348	2	Fitting, Barbed	
12	2220313	1	Fitting, Barbed 90	
13	3290605	5	Nut M6	
14	3290805	1	Nut M8	
15	3291005	5	Nut M10	
16	3841143	1	Pin	
17	4240099	AR	Tie-Strap (Not Shown)	
18	4711500	1	Washer 5/16	
19	4811700	10	Washer M6	
20	4811902	1	Washer M8	
21	4812000	6	Washer M10	
22	4812100	4	Washer M12	
23	5240800	2	Washer M8 Hardened	
24	5251215	1	Bolt M12 x 35	
25	5261200	1	Nut, Flange M12 (Class 10)	
26	8405009	5	Clamp	
27	8750014	1	Clamp	
28	8750031	1	Clamp	
29	1001135196	1	Pin	
30	1001156107	1	Holder, Cable	
31	1001167038	1	Battery Cable Kit	
32	1001167512	1	Bracket, Engine	
33	1001169823	1	Plate, Engine Lock	
34	1001172195	1	Pipe, Exhaust	
35	1001190868	1	Engine, Deutz D2011 W/ Pumps (See Separate Breakdown in this Section)	
36	2750532	5.5 ft /1.7m	Hose	
37	2720058	17 ft /5.18m	Hose	
38	3422532	1	Pin	

SECTION 3 - ENGINE

FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY (DEUTZ D2011) (ANSI EXPORT SPECS)



ART_1001190868

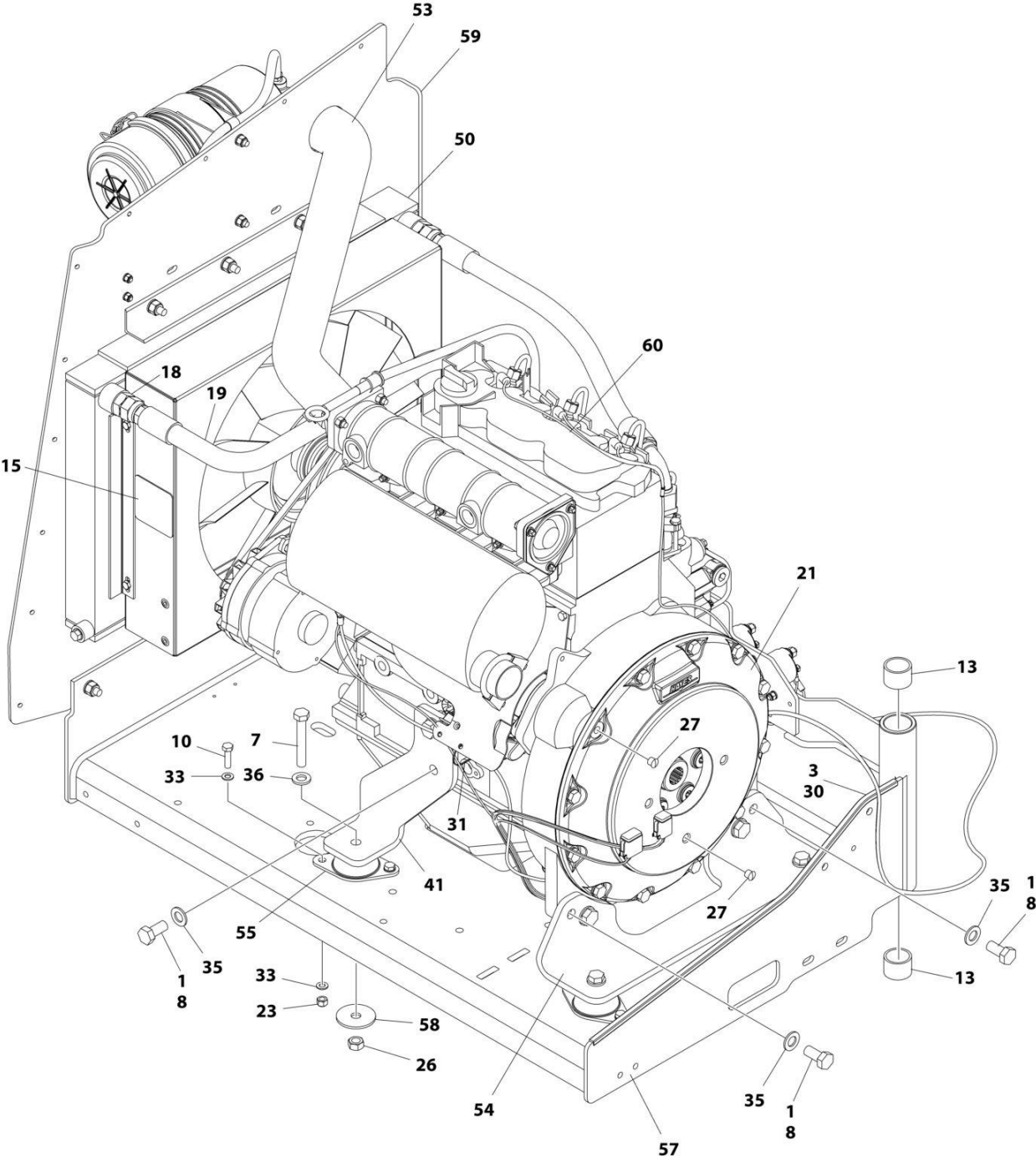
SECTION 3 - ENGINE

FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY (DEUTZ D2011) (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190868	Ref	ENGINE AND PUMP SUB-ASSEMBLY (DEUTZ D2011)	E
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
4	3600242	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
5	3790045	2	O-Ring	
6	3931620	2	Capscrew 3/8 x 1-1/4	
7	4891600	2	Washer 3/8 Hardened	
8	4891800	4	Washer 1/2 Hardened	
9	1001166020	1	Engine Assembly - Deutz D2011 Engine (See Separate Breakdown in this Section)	
10	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	
11	1001171953	1	Seal	
12	1001171954	1	Seal	
13	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	

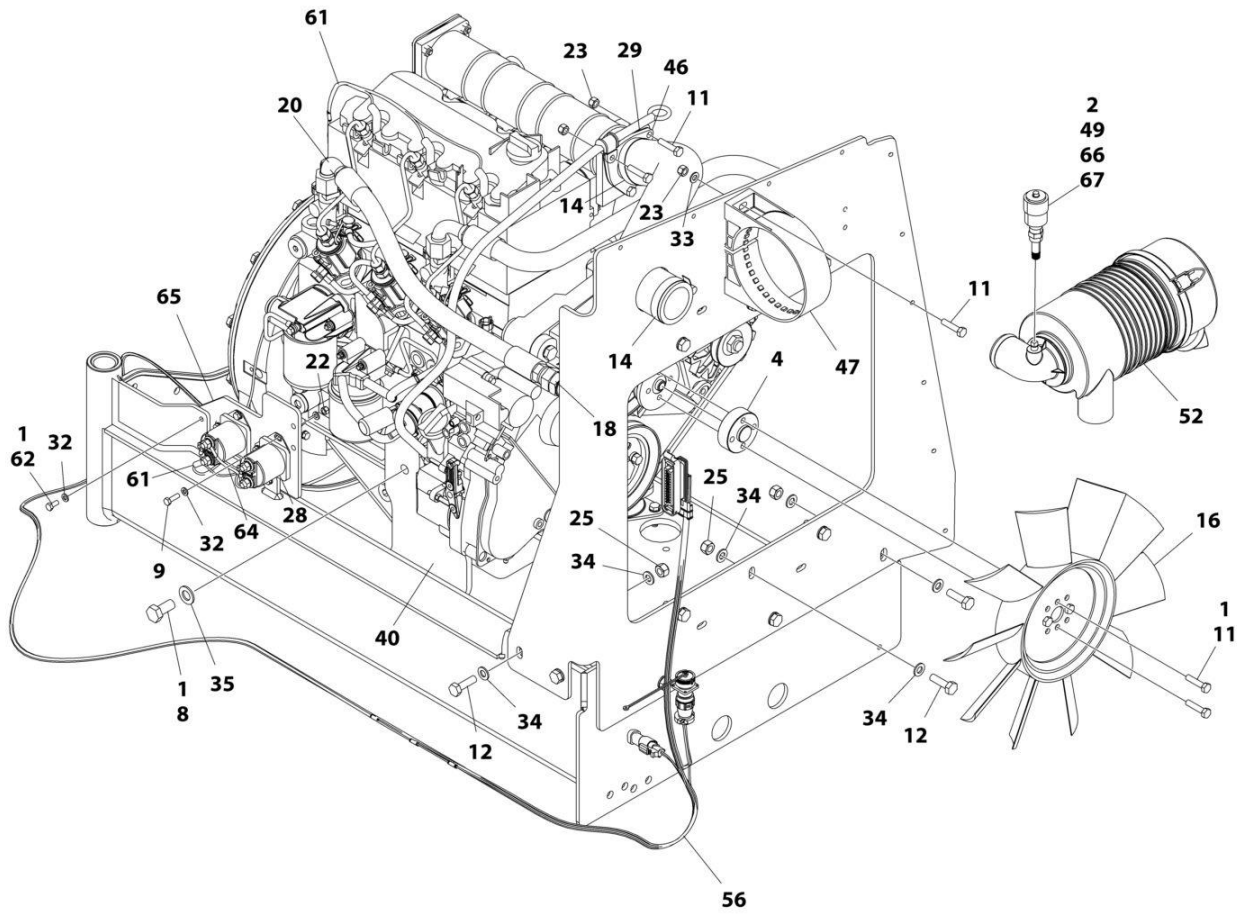
SECTION 3 - ENGINE

FIGURE 3-3. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (ANSI EXPORT SPECS)



ART_1001166020_P_1OF2

SECTION 3 - ENGINE



ART_1001166020_P_20F2

SECTION 3 - ENGINE

FIGURE 3-3. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (ANSI EXPORT SPECS)

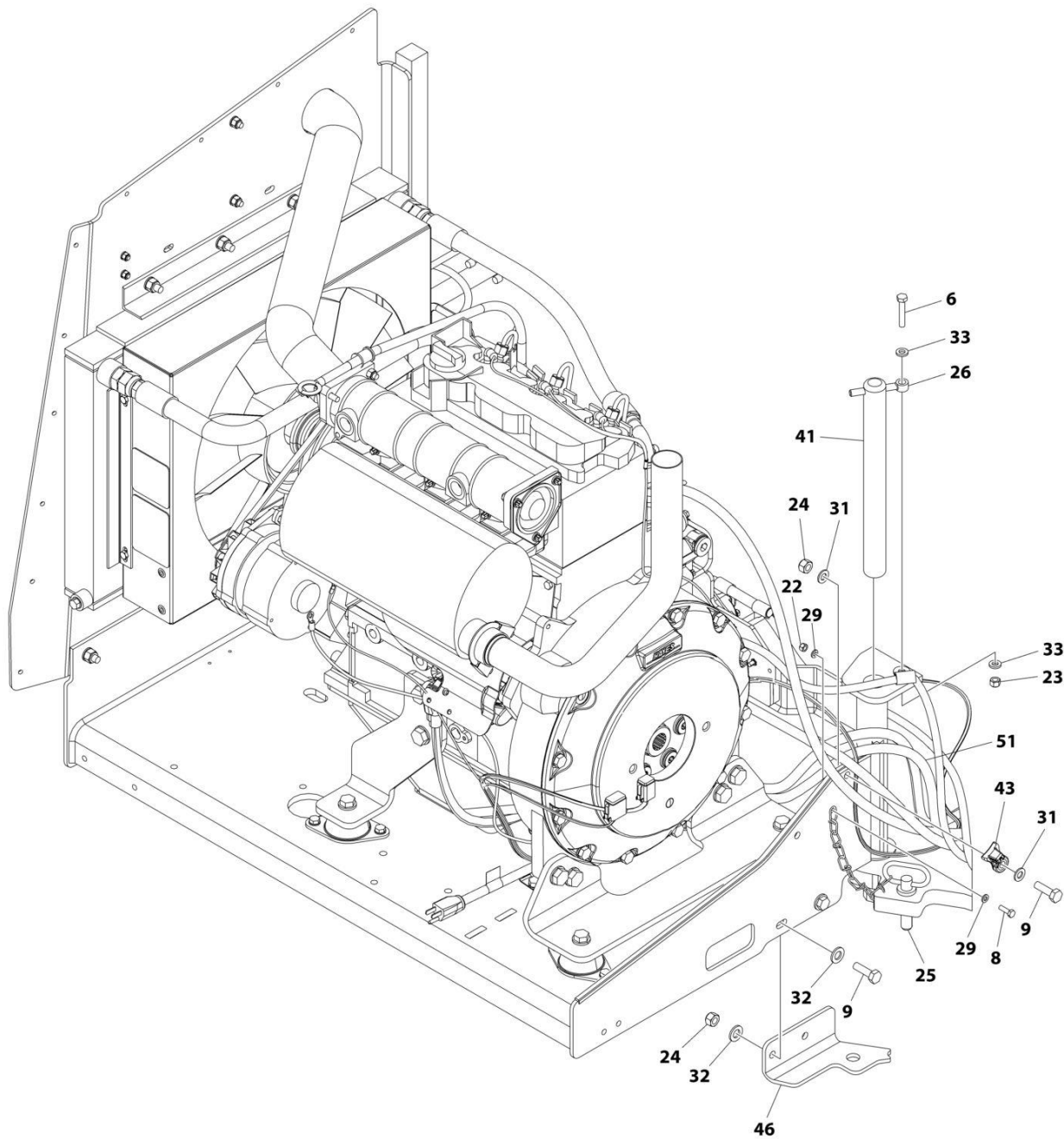
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166020	Ref	ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE)	P
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0080231	1	Spacer, Fan	
7	0711224	4	Bolt M12 x 80 Class 10.9	
8	0771414	8	Bolt M14 x 30 Class 10.9	
9	0760610	4	Bolt M6 x 20	
10	0760814	8	Bolt M8 x 30	
11	0760815	9	Bolt M8 x 35	
12	0761015	11	Bolt M10 x 35	
13	0961951	2	Bushing	
14	1320016	2	Clamp	
15	1703162	2	Decal - Caution Fan	
16	2060025	1	Fan	
18	2220451	2	Fitting, Straight JIC/ORB	
19	2720398	1	Hose	
20	2720447	1	Hose	
21	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
22	3290605	4	Nut M6 x 1	
23	3290805	13	Nut M8 x 1-1/4	
25	3291005	11	Nut M10 x 1-1/2	
26	3331215	4	Nut M12 x 1-3/4	
27	3520054	2	Plug	
28	3740067	2	Relay Assembly	
28	3300220	2	Nut	
28	3321001	1	Nut #10	
28	3740140	1	Relay	
28	4761000	1	Washer #10	
28	1001111424	2	Washer	
29	3960407	1	Gasket	
30	4060805	2.25 ft/ 0.69m	Trim-Flex	
31	4240099	AR	Tie-Strap	
32	4811700	11	Washer M6	
33	4811900	20	Washer M8	
34	4812000	22	Washer M10	
35	4812200	8	Washer M14	
36	5241200	4	Washer M12	
40	1001132195	1	Bracket, Engine Mount	
41	1001132196	1	Bracket, Engine Mount	
46	1001139819	1	Adapter, Air Intake	
47	1001141694	1	Clamp, Air Cleaner	
49	1001143390	1	Indicator	
50	1001150998	1	Radiator	
52	1001165388	1	Air Cleaner Assembly	
52	70003783	1	Element, Air Cleaner	
53	1001165389	1	Hose	
54	1001166717	1	Bracket, Engine Mount	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
55	1001166718	4	Isolator, Engine Mount	
56	1001167111	1	Harness Engine - Deutz D2011 (See Separate Breakdown in ELECTRICAL Section)	
57	1001167520	1	Tray, Engine	
58	1001168018	4	Washer, Snubbing	
59	1001168059	1	Plate, Radiator Mounting	
60	1001170693	1	Engine, Deutz D2011 (See Separate Breakdown in this Section)	
61	4923451	1	Harness, Glow Plugs	
62	0760614	3	Bolt M6 x 30	
64	1001178859	1	Cable, Alternator	
65	1001214975	1	Bracket	
66	2200261	1	Fitting	
67	1001277432	1	Spacer	

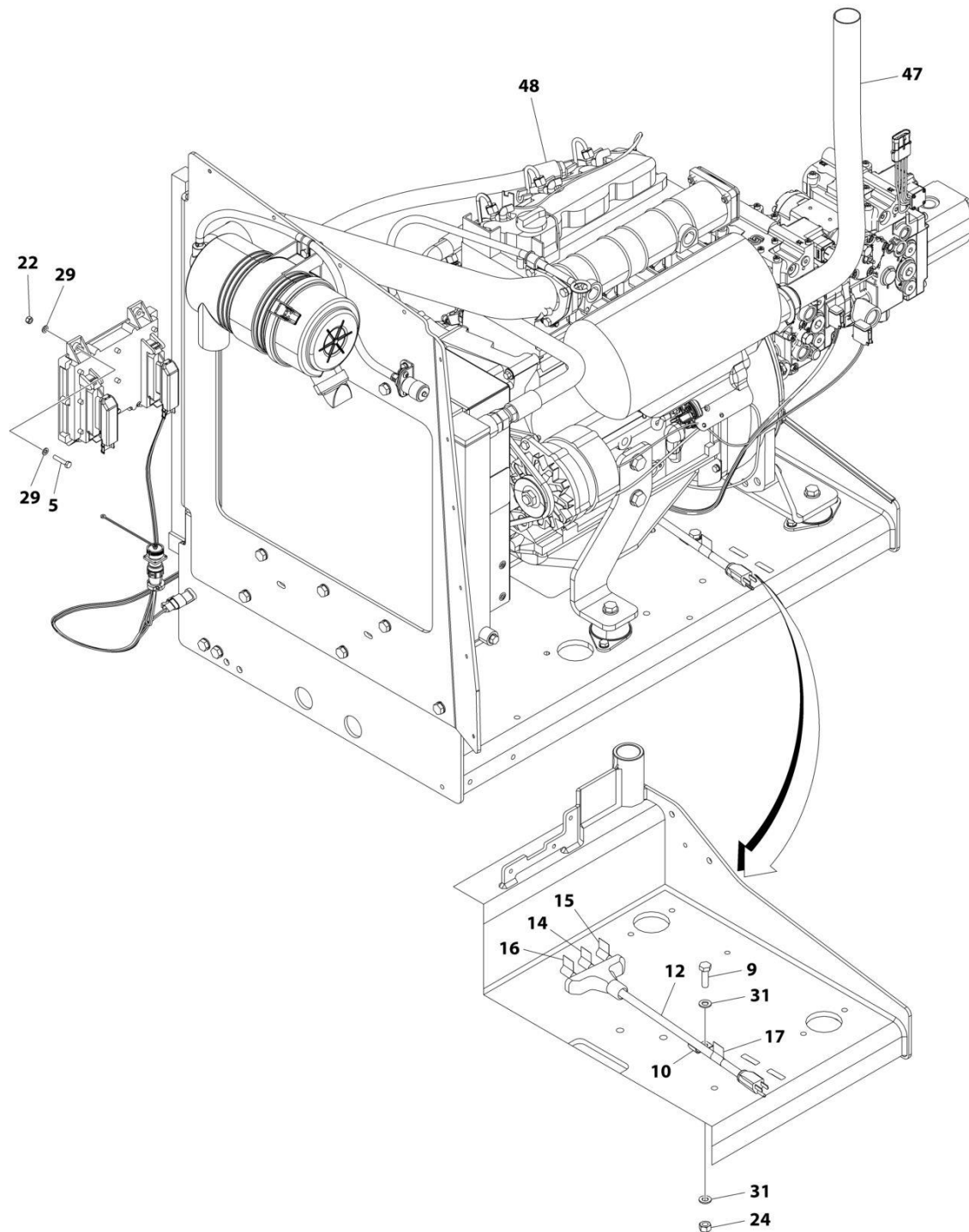
SECTION 3 - ENGINE

FIGURE 3-4. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS)



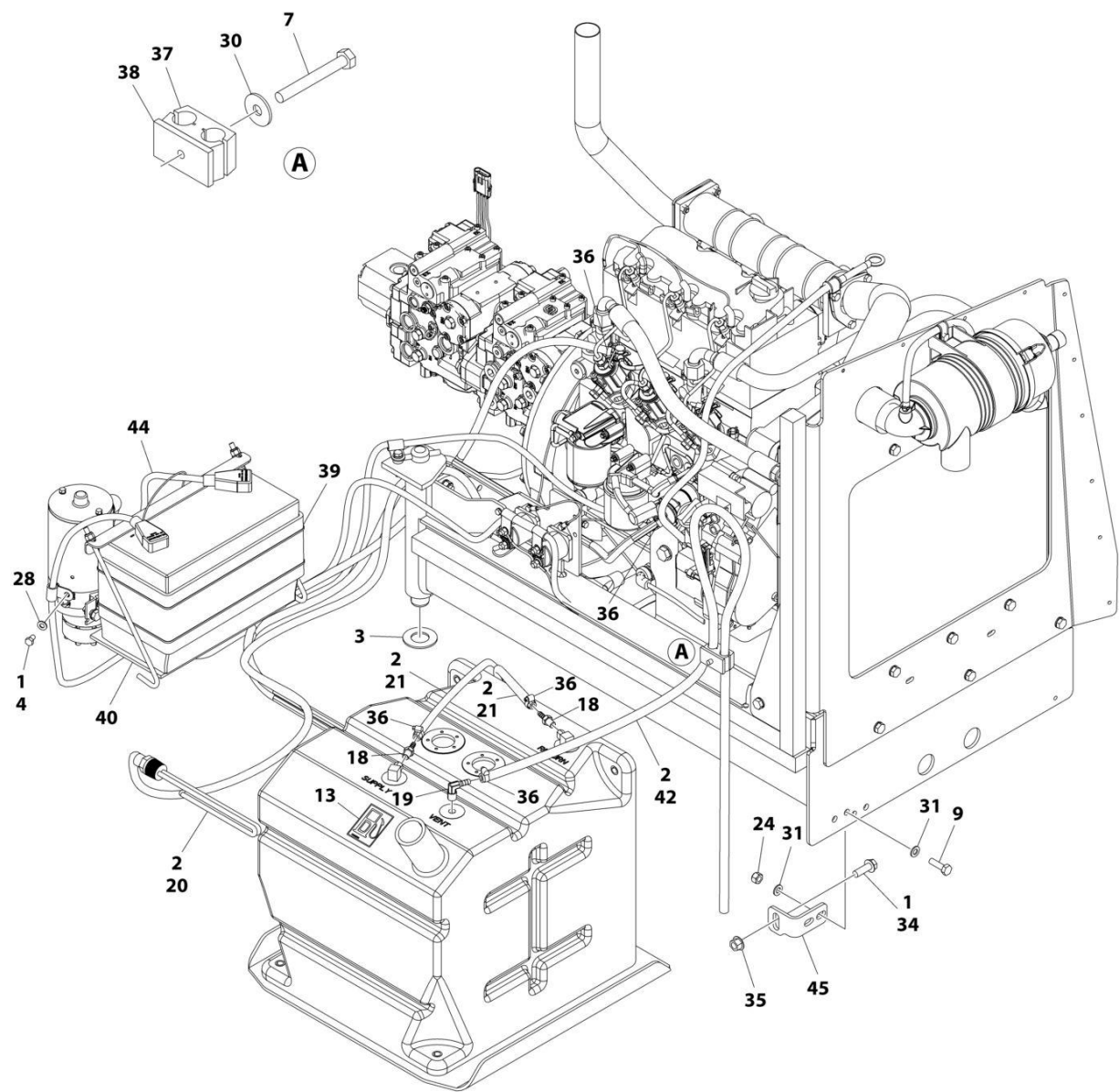
ART_1001227568_1OF3

SECTION 3 - ENGINE



ART_1001227568_2OF3

SECTION 3 - ENGINE



ART_1001227568_3OF3

SECTION 3 - ENGINE

FIGURE 3-4. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS)

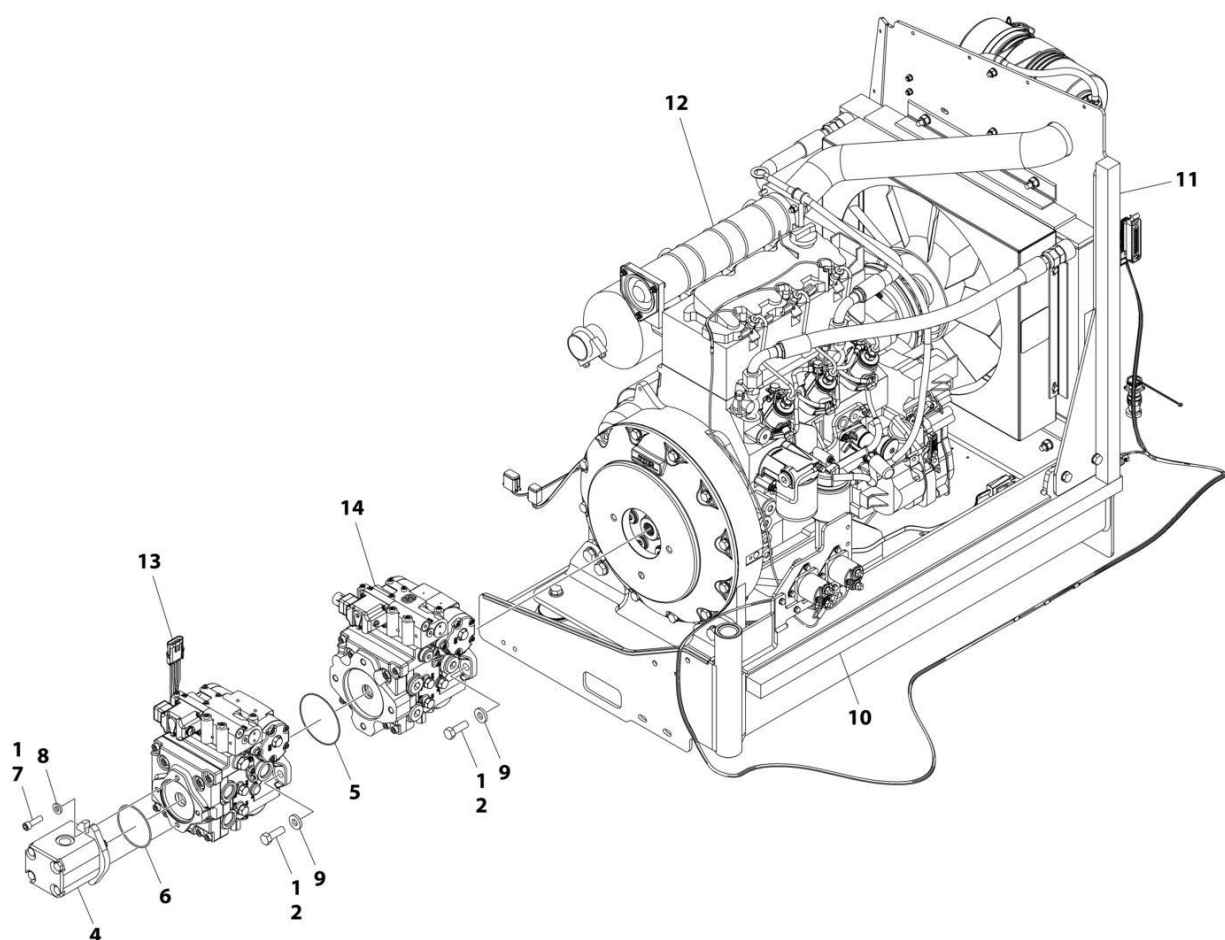
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227568	Ref	ENGINE INSTALLATION - DEUTZ D2011 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700614	4	Bolt M6 x 30	
6	0700817	1	Bolt M8 x 45	
7	0700818	1	Bolt M8 x 50	
8	0760610	1	Bolt M6 x 20	
9	0761015	6	Bolt M10 x 35	
10	1320223	1	Clip	
12	1060626	1	Plug, 3 Way	
13	1701505	1	Decal - Diesel Fuel	
14	1702941	1	Decal - Battery Heater	
15	1702942	1	Decal - Engine Block Heater	
16	1702943	1	Decal - Hydraulic Tank Heater	
17	1702944	1	Decal - Heater Cord	
18	2180348	2	Fitting, Barbed	
19	2220313	1	Fitting, Barbed 90	
20	1001188972	1	Heater, Hydraulic Tank	
21	2720058	16.9 ft/ 5.2m	Hose	
22	3290605	5	Nut M6	
23	3290805	1	Nut M8	
24	3291005	6	Nut M10	
25	3422532	1	Pin	
26	3841143	1	Pin	
27	4240099	AR	Tie-Strap (Not Shown)	
28	4711500	1	Washer 5/16	
29	4811700	10	Washer M6	
30	4811902	1	Washer M8	
31	4812000	8	Washer M10	
32	4812100	4	Washer M12	
33	5240800	2	Washer M8	
34	5251215	1	Bolt M12 x 35	
35	5261200	1	Nut, Flange M12 (Class 10)	
36	8405009	5	Clamp	
37	8750014	1	Clamp	
38	8750031	1	Plate	
39	2580024	1	Heater, Battery	
40	1001119278	1	Insulate	
41	1001135196	1	Pin	
42	2750532	5.5 ft/ 1.7m	Hose	
43	1001156107	1	Holder, Cable	
44	1001167038	1	Battery Cable Kit	
44	70009004	1	Cable, Battery (Black) (Battery Negative, Auxiliary Power Pump, Turntable Ground to Engine Ground)	
44	70009005	1	Cable, Battery (Red) (Battery Positive, Auxiliary Power Relay, Starter Relay to Starter)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	70009002	1	Cable, Battery (Red) (Auxiliary Power Relay to Auxiliary Power Pump)	
45	1001167512	1	Bracket, Engine	
46	1001169823	1	Plate, Engine Lock	
47	1001227576	1	Pipe, Exhaust	
48	1001227570	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
51	1001150918	1	Cable, Extension Cord	

SECTION 3 - ENGINE

FIGURE 3-5. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS)



ART_1001227570

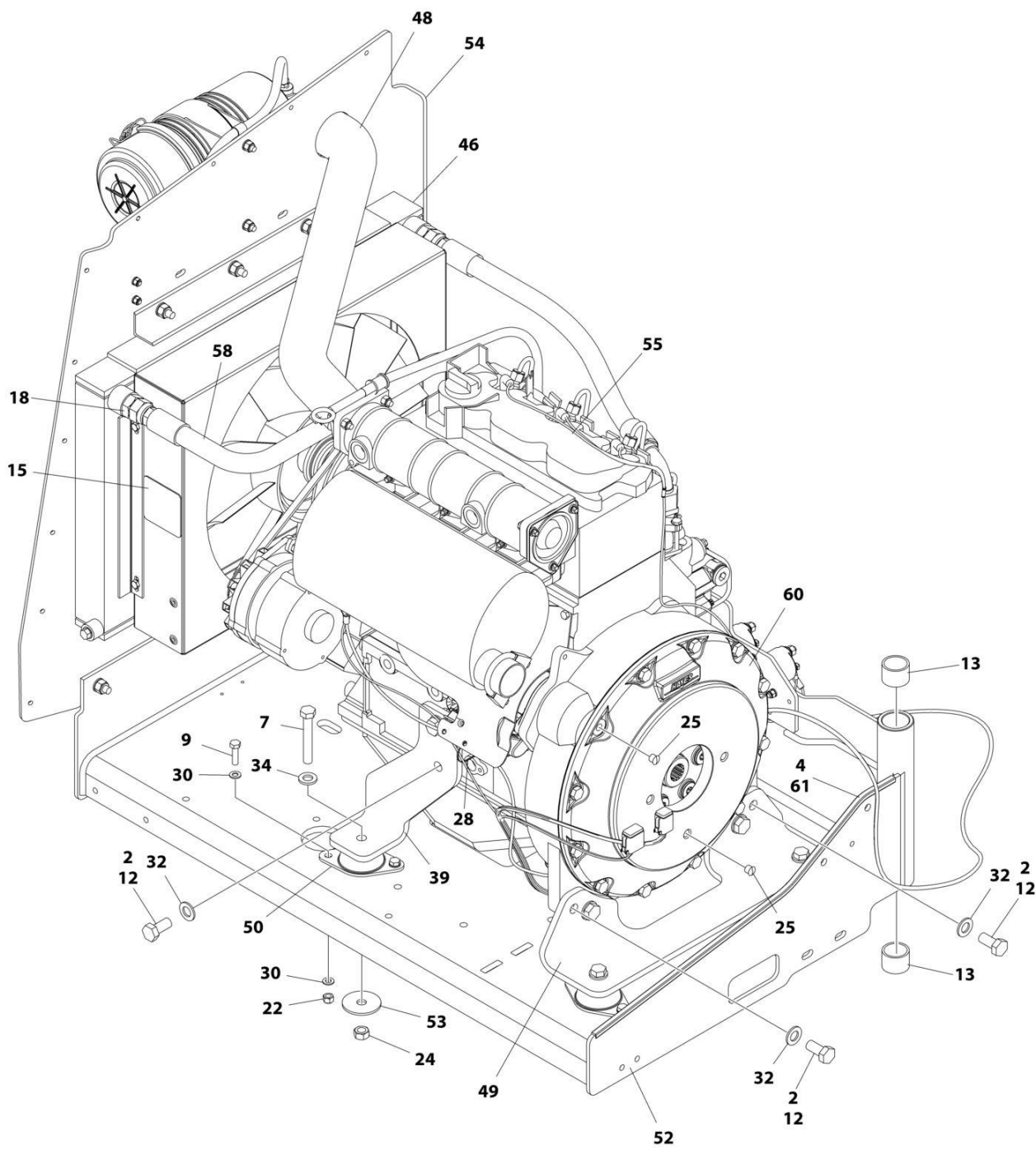
SECTION 3 - ENGINE

FIGURE 3-5. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227570	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 ENGINE	B
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
4	3600242	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
5	3790045	1	O-Ring	
6	3790152	1	O-Ring	
7	3931620	2	Capscrew 3/8 x 1-1/4	
8	4891600	2	Washer 3/8 Hardened	
9	4891800	4	Washer 1/2 Hardened	
10	1001171953	1	Seal	
11	1001171954	1	Seal	
12	1001174783	1	Engine Assembly - Deutz D2011 (See Separate Breakdown in this Section)	
13	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
14	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	

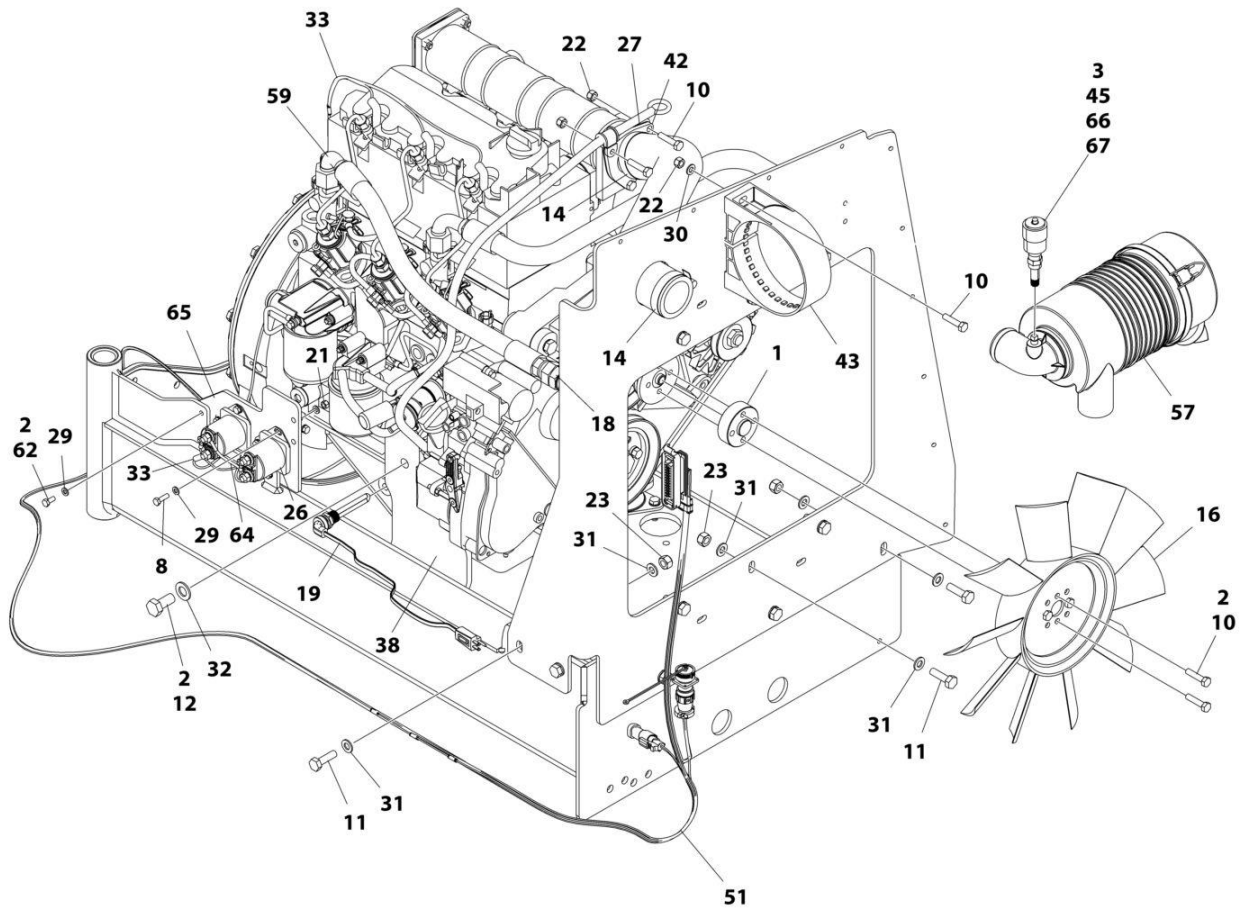
SECTION 3 - ENGINE

FIGURE 3-6. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPEC)



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SECTION 3 - ENGINE



ART_1001174783_O_20F2

SECTION 3 - ENGINE

FIGURE 3-6. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPEC)

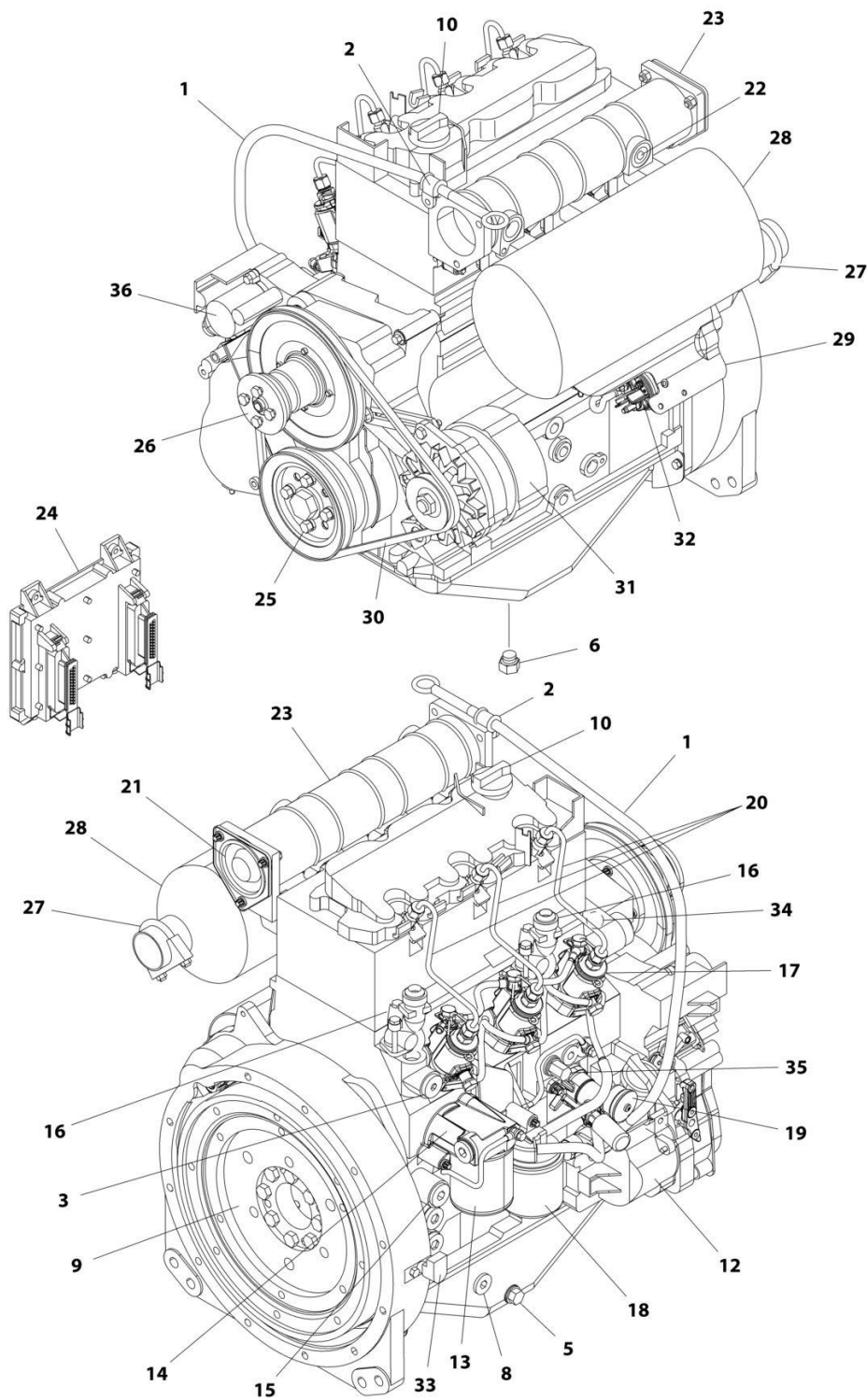
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174783	Ref	ENGINE ASSEMBLY - DEUTZ D2011 (WITH ARCTIC PACKAGE)	O
1	0080231	1	Spacer, Fan	
2	0100011	AR	Compound, Locking	
3	0100020	AR	Sealant, Pipe	
4	0100081	AR	Adhesive	
7	0711224	4	Bolt M12 x 80 Class10.9	
8	0760610	4	Bolt M6 x 20	
9	0760814	8	Bolt M8 x 30	
10	0760815	9	Bolt M8 x 35	
11	0761015	11	Bolt M10 x 35	
12	0771414	8	Bolt M14 x 30 Class 10.9	
13	0961951	2	Bushing	
14	1320016	2	Clamp	
15	1703162	2	Decal - Caution Fan	
16	2060025	1	Fan	
18	2220451	2	Fitting, Straight JIC/ORB	
19	2580062	1	Heater, Engine Block	
21	3290605	4	Nut M6	
22	3290805	13	Nut M8	
23	3291005	11	Nut M10	
24	3331215	4	Nut M12	
25	3520054	2	Plug	
26	3740067	2	Relay Assembly	
26	3300220	2	Nut	
26	3321001	1	Nut #10	
26	3740140	1	Relay	
26	4761000	1	Washer #10	
26	1001111424	2	Washer	
27	3960407	1	Gasket	
28	4240099	AR	Tie-Strap (Not Shown)	
29	4811700	11	Washer M6	
30	4811900	20	Washer M8	
31	4812000	22	Washer M10	
32	4812200	8	Washer M14	
33	4923451	1	Harness, Glow Plugs	
34	5241200	4	Washer M12	
38	1001132195	1	Bracket, Engine Mount	
39	1001132196	1	Bracket, Engine Mount	
42	1001139819	1	Adapter, Air Intake	
43	1001141694	1	Clamp, Air Cleaner	
45	1001143390	1	Indicator	
46	1001150998	1	Radiator	
48	1001165389	1	Hose	
49	1001166717	1	Bracket, Engine Mount	
50	1001166718	4	Isolator, Engine Mount	
51	1001167111	1	Harness Engine - Deutz D2011 (See Separate Breakdown in ELECTRICAL Section)	
52	1001167520	1	Tray, Engine	
53	1001168018	4	Washer, Snubbing	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	1001168059	1	Plate, Radiator Mounting	
55	1001170693	1	Engine, Deutz D2011 (See Separate Breakdown in this Section)	
57	1001165388	1	Air Cleaner Assembly	
57	70003783	1	Element, Air Cleaner	
58	2720398	1	Hose	
59	2720447	1	Hose	
60	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
61	4060805	2.25 ft/ 0.69m	Flex-Trim	
62	0760614	3	Bolt M6 x 30	
64	1001178859	1	Cable, Alternator	
65	1001214975	1	Bracket	
66	2200261	1	Fitting	
67	1001277432	1	Spacer	

SECTION 3 - ENGINE

FIGURE 3-7. ENGINE COMPONENTS - DEUTZ D2011 (ANSI EXPORT SPECS)



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SECTION 3 - ENGINE

FIGURE 3-7. ENGINE COMPONENTS - DEUTZ D2011 (ANSI EXPORT SPECS)

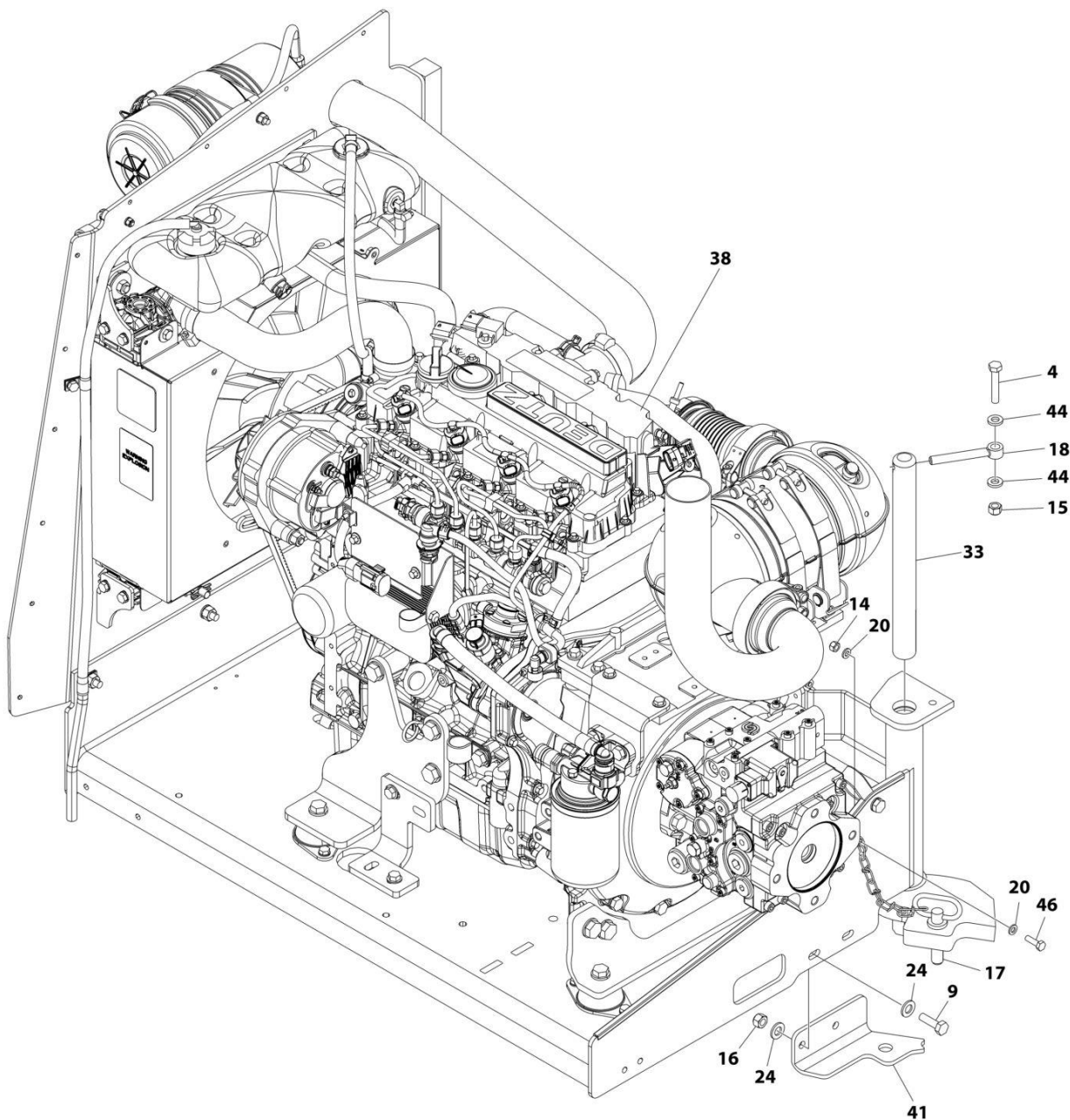
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170693	Ref	ENGINE COMPONENTS - DEUTZ D2011	C
1	70001002	1	Tube, Dipstick	
1	7020403	1	Seal, Tube	
1	7020026	1	Dipstick	
2	70001654	1	Clamp	
2	70001655	1	Bolt	
3	70003475	1	Thermostat	
3	7020460	1	Spring	
4		Ref	Seal and Gasket Options (Not Shown):	
4	70002718	1	Seal, Rear Main	
4	7020430	1	Gasket, Valve Cover	
4	70003479	1	Gasket, Head - 1 Notch	
4	70003480	1	Gasket, Head - 2 Notch	
4	70003481	1	Gasket, Head - 3 Notch	
5	70025088	1	Plug	
6	70025667	1	Plug	
7	70025123	22	Bolt, Torx (Oil Pan Bolts) (Not Shown)	
8	7020492	1	Seal	
8	70025084	1	Plug	
9	70001870	1	Flywheel	
9	7024579	1	Ring Gear (Part of Flywheel)	
9	70025139	8	Bolt	
10	7020465	1	Cap, Oil Fill	
11	70000800	1	Timing Belt/Idler Kit (Includes Timing Belt, Tensioner and Tensioner Bolt) (Not Shown)	
12	70001850	1	Pump, Lubricating	
12	7020468	1	Seal, Pump to Engine Block (Not Shown)	
13	7016331	1	Filter, Oil	
14	70003472	1	Bracket, Oil Filter (Includes Plug with Seal, Temperature Sensor, Control Valve and Compression Spring)	
14	7027236	1	Sensor, Temperature	
14	70025082	1	Seal, Plug	
14	70025091	1	Plug	
14	70003473	1	Gasket, Bracket to Engine Block (Not Shown)	
15	70001181	1	Valve	
15	70025091	1	Plug	
15	70025082	1	Seal, Plug	
16	70004268	2	Connector, Radiator Neck	
16	70004269	2	Seal, Radiator Neck to Engine Block	
17	70000912	3	Pump, Fuel Injector - A Spec	
17	70000913	3	Pump, Fuel Injector - B Spec	
17	70000914	3	Pump, Fuel Injector - C Spec	
17	70000915	3	Pump, Fuel Injector - D Spec	
17	70003464	3	O-Ring, Pump to Engine Block	
18	7020023	1	Filter, Fuel	
18	70003463	1	Filter, Fuel - RME Resistant	
18	70001423	1	Bracket, Fuel Filter	
19	70000916	1	Pump Fuel Supply	
19	70000917	1	O-Seal Between Fuel Pump and Engine Block	
19	70000918	1	Sealing Ring Between Hand Pump and Supply Pump	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	70000919	1	Pump, Hand	
19	70001435	1	Repair Kit	
19	70025694	2	Bolt, Torx	
20	70000931	3	Pipe, High Pressure	
21	70003469	1	Flange, Intake	
21	70003468	1	Seal	
22	70025084	1	Plug	
22	7020492	1	Seal, Plug	
23	7027903	1	Manifold, Air Intake	
23	70001871	3	Gasket Between Manifold and Engine Block	
24	See Note	1	Module, Engine Control (Note: Not Currently Available)	
24	7027796	1	Cable, Electrical Between Module and Engine Harness (Not Shown)	
24	70001872	1	Harness, Engine (Connects to p/n 70004060) (Not Shown)	
24	70004060	1	Plug, Connector Located on Cable Near Module (Not Shown)	
24	70004059	1	Plug, Analyzer (Not Shown)	
25	70025123	4	Bolt, Torx	
26	70000787	1	Support, Fan (Includes Support, Internal Shaft, Bearings and Circlip)	
27	70001844	1	Clamp	
28	See Note	1	Muffler (Note: See Separate Breakdown in this Section)	
28	7020471	3	Gasket, Exhaust Between Muffler and Engine Block	
28	70004270	6	Stud, Muffler	
29	70001498	1	Shield, Starter	
29	70025693	3	Bolt	
30	70004102	1	V-Belt	
31	70004056	1	Alternator (Includes Voltage Regulator and Gaskets, Fan and Fan Mounting Hardware)	
31	70001868	1	Regulator, Voltage	
31	70001866	1	Gasket Set, Voltage Regulator	
31	70025131	1	Fan	
31	70025086	1	Nut, Fan	
31	70000851	1	Bracket, Alternator Mounting	
31	70002234	1	Bracket, Alternator Adjustment	
31	70004103	1	Harness, Alternator (Not Shown)	
32	7020479	1	Starter	
32	70025121	2	Bolt, Starter Mounting	
32	70004058	1	Relay	
32	70004062	1	Harness, Starter (Not Shown)	
33	7024565	1	Sensor, Speed	
33	70003931	1	Bolt	
33	70003932	1	Spacer, Sleeve	
34	7027791	1	Sensor, Temperature	
35	7027790	1	Sensor, Oil Pressure	
36	7027792	1	Actuator	
37	70000345	3	Plug, Glow (Not Shown)	

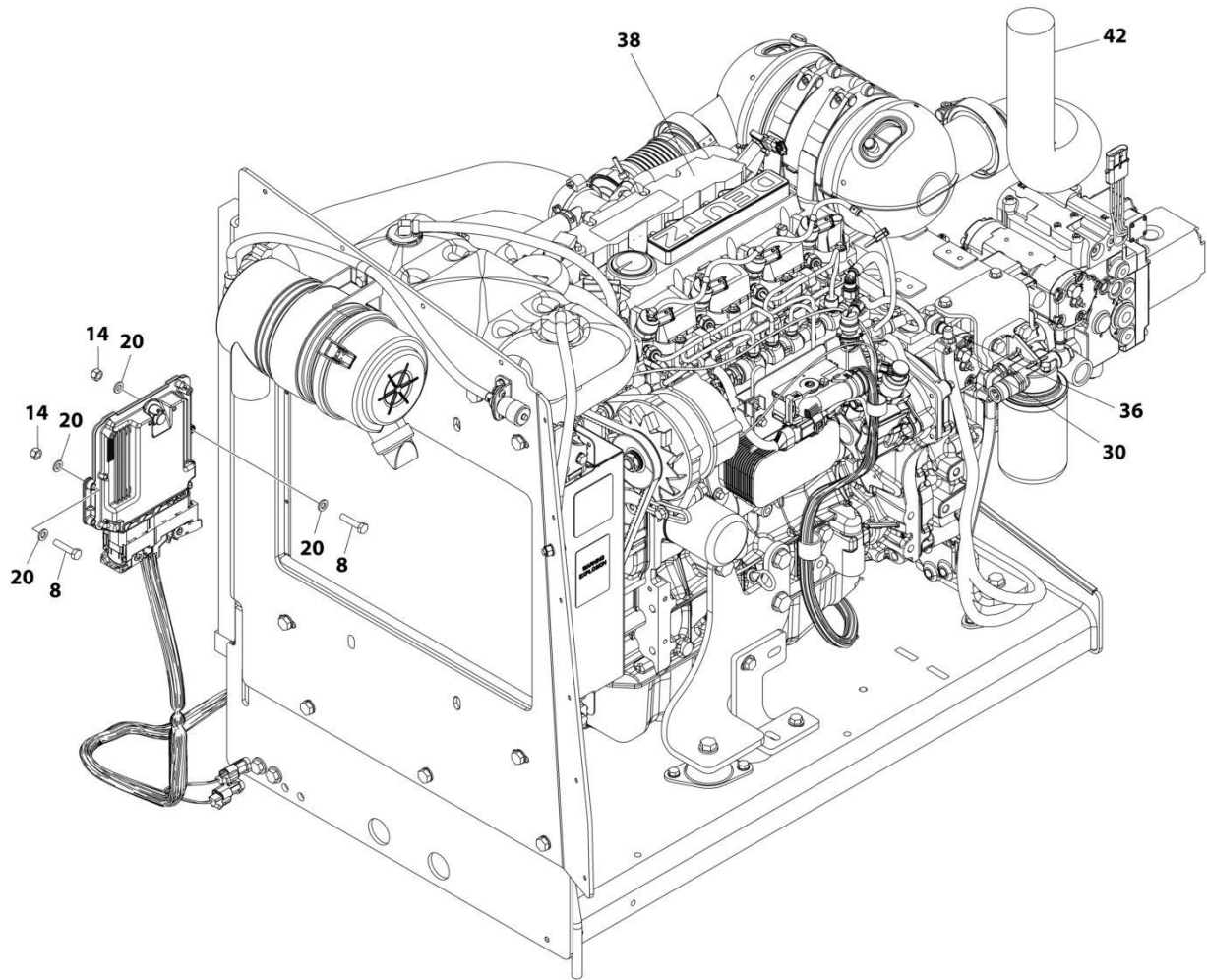
SECTION 3 - ENGINE

FIGURE 3-8. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, CSA AND ANSI EXPORT SPECS)



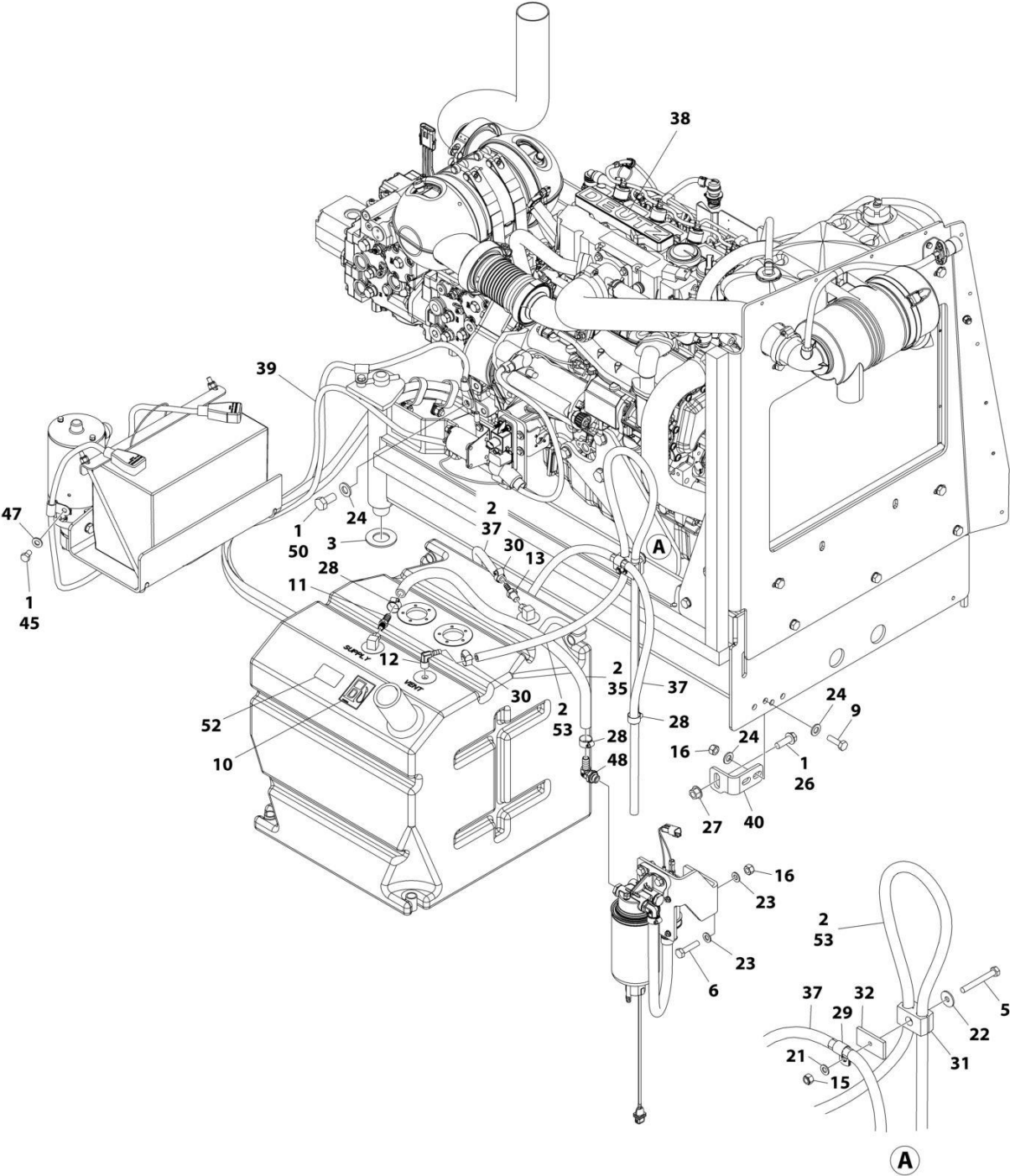
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SECTION 3 - ENGINE



ART_1001214460_C_2OF3

SECTION 3 - ENGINE



ART_1001214460_C_3OF3

SECTION 3 - ENGINE

FIGURE 3-8. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, CSA AND ANSI EXPORT SPECS)

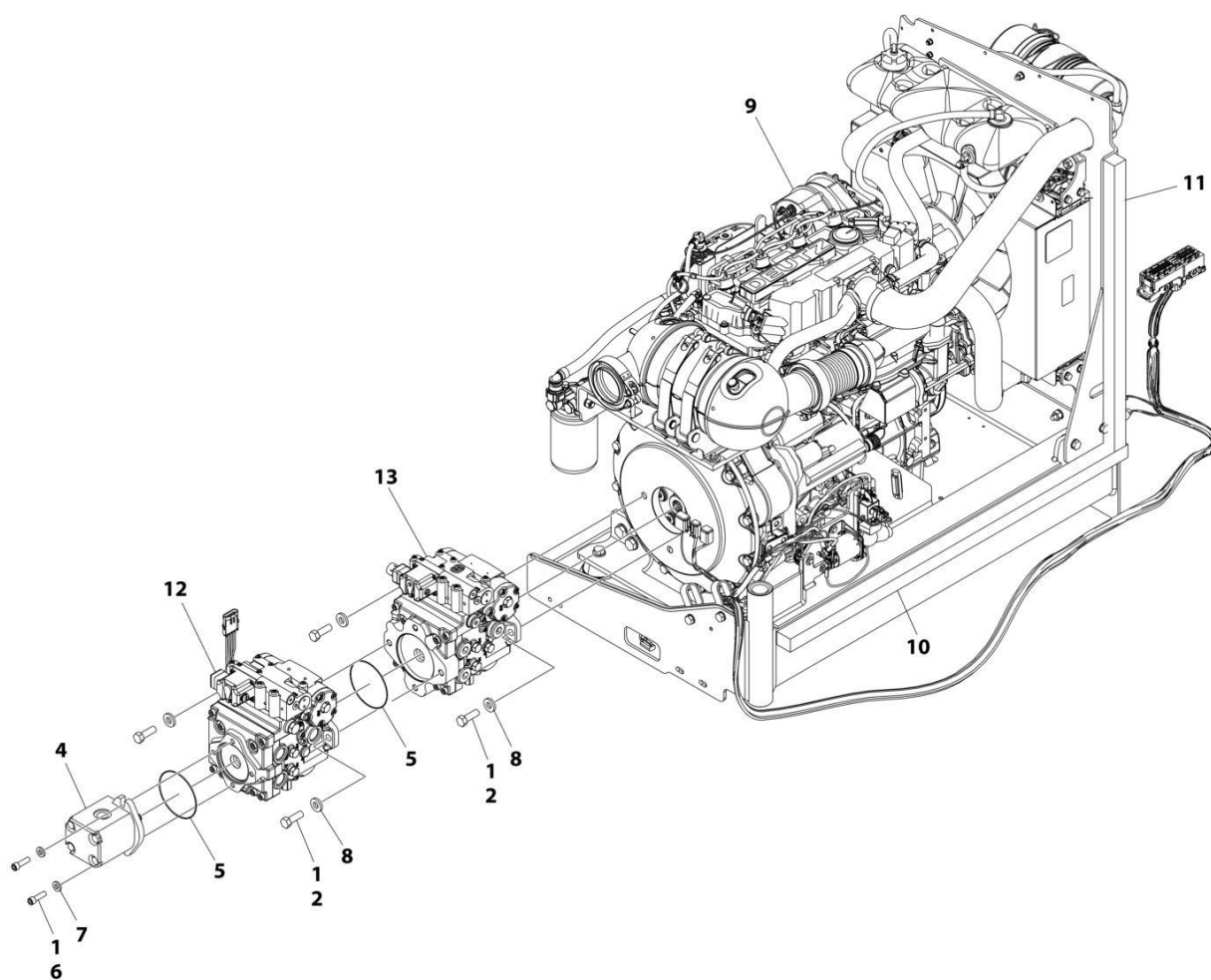
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214460	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0700817	1	Bolt M8 x 45	
5	0700821	1	Bolt M8 x 65	
6	0701017	2	Bolt M10 x 45	
8	0760613	4	Bolt M6 x 28	
9	0761015	4	Bolt M10 x 35	
10	1701505	2	Decal - Diesel Fuel	
11	2180832	1	Fitting, Barbed	
12	2220313	1	Fitting, Barbed 90	
13	2220767	1	Fitting, Barbed	
14	3290605	5	Nut M6	
15	3290805	2	Nut M8	
16	3291005	6	Nut M10	
17	3422532	1	Pin	
18	3841143	1	Pin	
19	4240099	AR	Tie-Strap (Not Shown)	
20	4811700	10	Washer M6	
21	4811900	1	Washer M8	
22	4811902	1	Washer M8	
23	4812000	4	Washer M10	
24	4812100	9	Washer M12	
26	5251215	1	Bolt M12 x 35	
27	5261200	1	Nut, Flange M12 (Class 10)	
28	8405006	3	Gear Clamp	
29	8406101	1	Clip Tube	
30	8410013	4	Gear Clamp	
31	8750014	1	Clamp	
32	8750031	1	Plate	
33	1001135196	1	Pin	
35	1001154405	2.2 ft/ 0.7m	Hose	
36	1001155823	1	Coupling	
37	1001165035	21 ft/ 6.4m	Hose	
38	1001214459	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
39	1001166970	1	Cable, Batt and Aux Pump Cables 400S/460SJ	
40	1001167512	1	Bracket, Engine	
41	1001169823	1	Plate, Engine Lock	
42	1001223802	1	Pipe, Exhaust	
43	1001173342	1	Harness, Deutz Fuel (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	5240800	2	Washer M8 Hardened	
45	0641504	1	Bolt 5/16 x 1/2	
46	0760610	1	Bolt M6 x 20	
47	4711500	1	Washer 5/16	
48	1001142501	1	Fitting, Barbed 90	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	0771212	1	Bolt M12 x 25	
52	1001125387	1	Decal, Ultra Low Sulfur Fuel	
53	2750532	5.5 ft/ 1.7m	Hose	

SECTION 3 - ENGINE

FIGURE 3-9. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)



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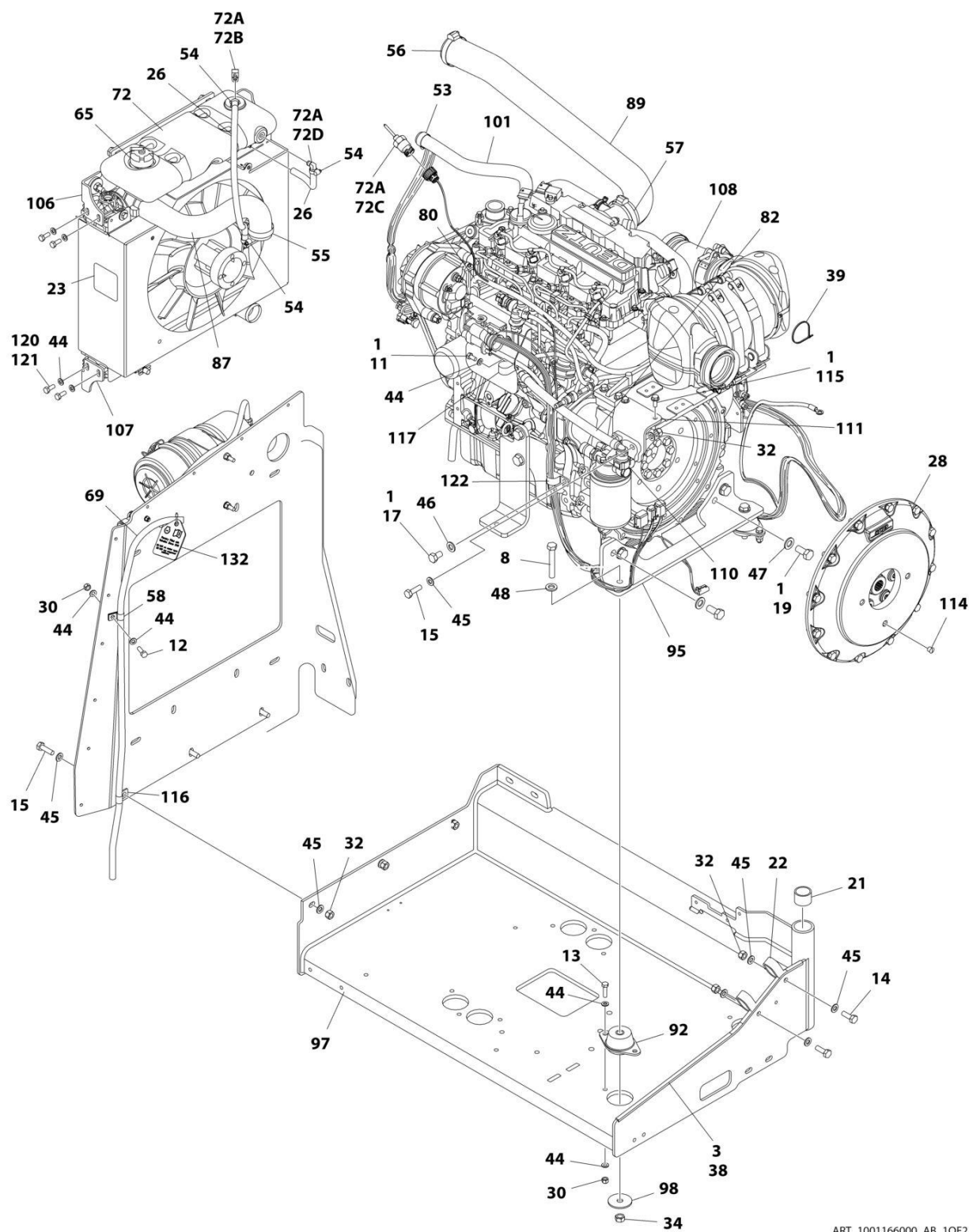
SECTION 3 - ENGINE

FIGURE 3-9. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214459	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE	C
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
4	3600242	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
5	3790045	2	O-Ring	
6	3931620	2	Capscrew 3/8 x 1-1/4	
7	4891600	2	Washer 3/8 Hardened	
8	4891800	4	Washer 1/2 Hardened	
9	1001166000	1	Engine Assembly - Deutz D2.9L4 Engine (See Separate Breakdown in this Section)	
10	1001171953	1	Seal	
11	1001171954	1	Seal	
12	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
13	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	

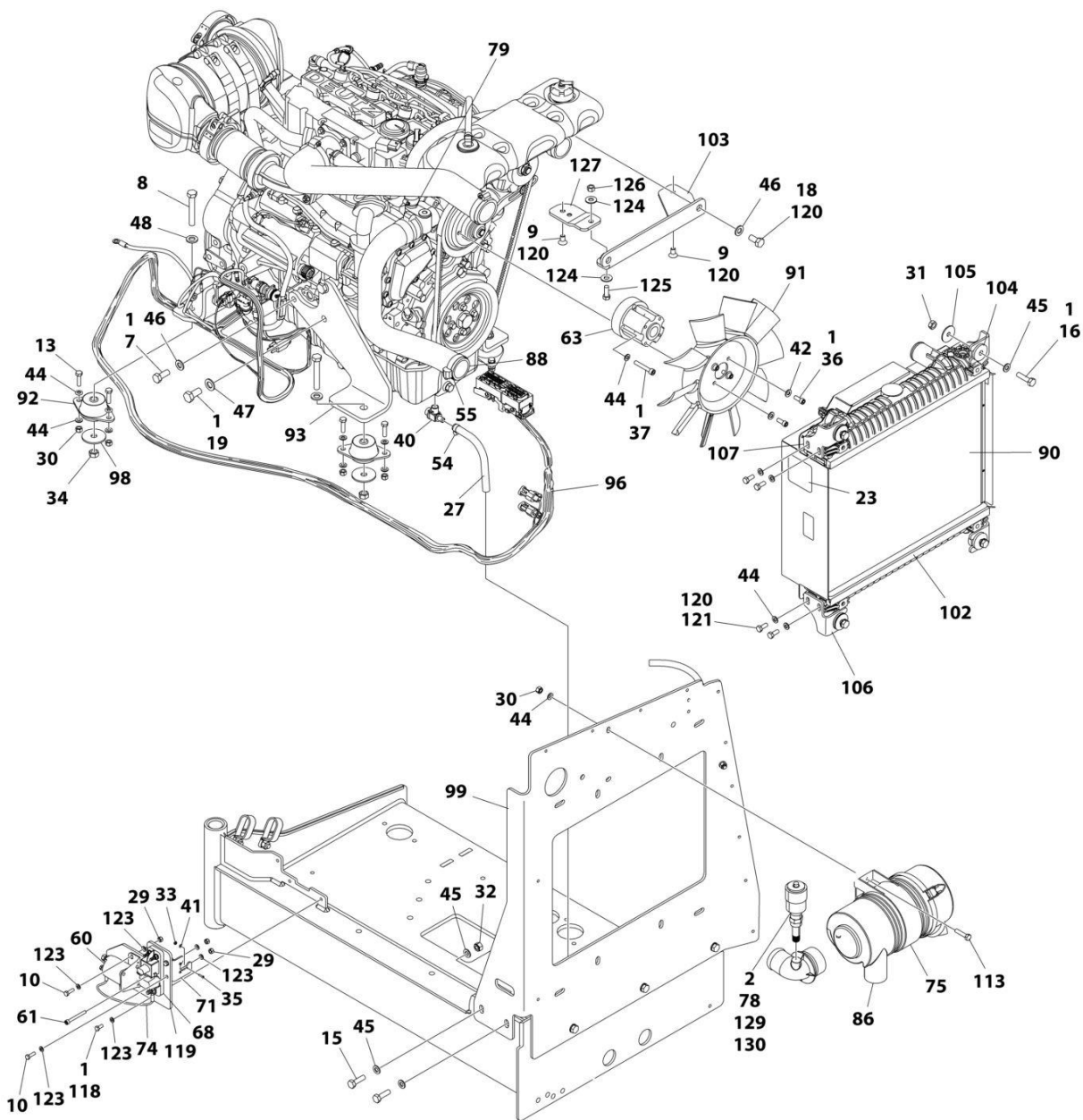
SECTION 3 - ENGINE

FIGURE 3-10. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)



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SECTION 3 - ENGINE



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SECTION 3 - ENGINE

FIGURE 3-10. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166000	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE)	AB
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
7	0711214	1	Bolt M12 x 30 Class 10.9	
8	0711224	3	Bolt M12 x 80 Class 10.9	
9	0741606	2	Screw 3/8 x 3/4	
10	0760610	4	Bolt M6 x 20	
11	0760808	1	Bolt M8 x 16	
12	0760812	1	Bolt M8 x 25	
13	0760814	6	Bolt M8 x 30	
14	0761014	2	Bolt M10 x 30	
15	0761015	7	Bolt M10 x 35	
16	0761016	4	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771414	6	Bolt M14 x 30 Class 10.9	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
26	2720015	2 ft/1 m	Hose	
27	2720340	8 in/1 m	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	5	Nut M6	
30	3290805	9	Nut M8	
31	3291001	4	Nut M10	
32	3291005	9	Nut M10	
33	3310401	3	Nut #4	
34	3331215	3	Nut M12	
35	3910408	3	Screw #4- x 1/2	
36	3931512	4	Capscrew, 5/16 x 3/4	
37	4031914	4	Bolt M8 x 50	
38	4060805	3 ft/1 m	Flex-Trim	
39	4240099	AR	Tie-Strap	
40	4640751	1	Valve, Oil Drain	
41	4710400	3	Washer #4	
42	4711500	4	Washer 5/16	
44	4811900	31	Washer M8	
45	4812000	22	Washer M10	
46	4812100	4	Washer M12	
47	4812200	6	Washer M14	
48	5241200	3	Washer M12 Hardened	
53	8405007	2	Clamp	
54	8405009	5	Clamp	
55	8405104	4	Clamp	
56	8405202	1	Clamp	
57	8405204	1	Clamp	
58	8406109	1	Clip	

SECTION 3 - ENGINE

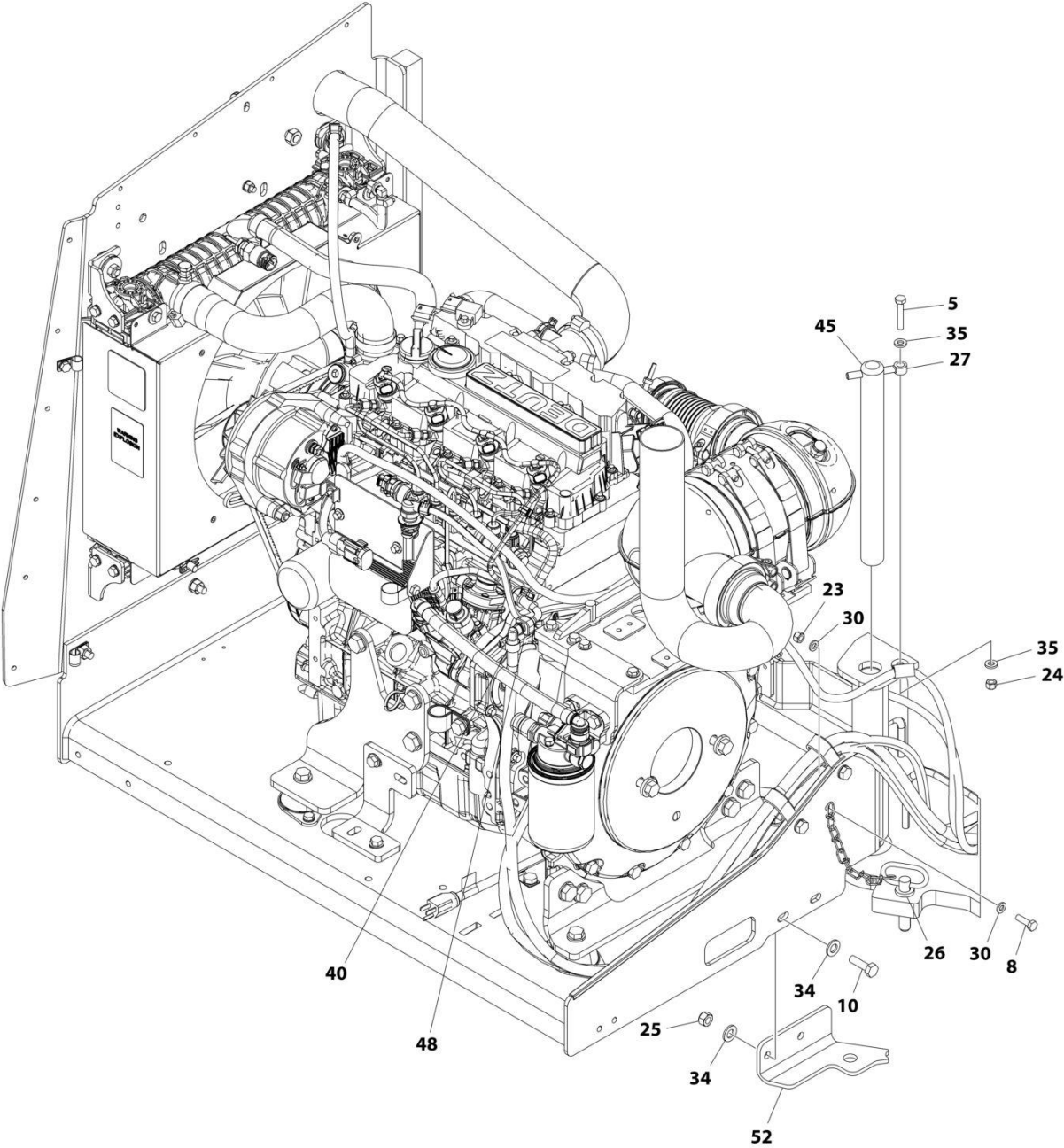
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
60	1001117308	1	Relay, 200Amp	
60	3300220	2	Nut	
60	3321001	2	Nut #10	
60	4761000	2	Washer #10	
60	1001111424	2	Washer	
61	1001118878	1	Bolt M6 x 55	
63	1001144116	1	Spacer, Fan	
65	1001136834	1	Cap, Tank	
68	1001138228	1	Relay, Power Module	
68	70023592	1	Fuse 20Amp	
68	70023593	1	Fuse 30Amp	
69	1001138248	4 ft/1 m	Tube	
71	1001139240	1	Bracket	
72	1001230635	1	Tank, Surge (Includes Items 72A-72D)	
72A	0100020	AR	Sealant, Pipe	
72B	1001134488	1	Fitting, Barbed	
72C	1001138827	1	Sensor, Coolant Level	
72D	1001140564	1	Fitting, Barbed 90	
74	1001141304	1	Harness, Glow Plug	
75	1001141694	1	Clamp, Air Cleaner	
78	1001143390	1	Indicator	
79	1001143797	1	Fitting, Barbed	
80	1001178788	1	Cable, Alternator	
82	1001152489	1	Fitting, Barbed 90	
86	1001165388	1	Air Cleaner Assembly	
86	70003783	1	Element, Air Cleaner	
87	1001165405	1	Hose, Upper Radiator	
88	1001165406	1	Hose, Lower Radiator	
89	1001165721	1	Hose, Air Intake	
90	1001165722	1	Radiator	
91	1001165849	1	Fan	
92	1001166718	3	Mount, Motor	
93	1001166921	1	Plate, Engine Mount	
95	1001166924	1	Plate, Engine Mount	
96	1001167108	1	Harness Engine - Deutz D2.9L4 (See Separate Breakdown in ELECTRICAL Section)	
97	1001167520	1	Tray, Engine	
98	1001168018	3	Washer, Special	
99	1001168026	1	Plate, Radiator Mounting	
101	1001168099	1	Hose	
102	1001168166	2	Seal	
103	1001260420	1	Bracket	
104	1001169054	4	Isolator	
105	1001169138	4	Washer, Snubbing	
106	1001169967	2	Bracket	
107	1001170035	2	Bracket	
108	1001249965	1	Engine, Deutz D2.9L4 (See Separate Breakdown in this Section)	
110	1001177359	1	Hose	
111	1001178876	1	Mount, Fuel Filter	
113	0760815	2	Bolt M8 x 35	
114	3520054	1	Plug	
115	5250810	2	Bolt M8 x 20	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
116	8406110	1	Clip	
117	8406201	1	Clip	
118	0760607	3	Bolt M6 x 14	
119	1001179903	1	Bracket	
120	1001180620	AR	Adhesive	
121	0760810	8	Bolt M8 x 20	
122	1001191620	1	Clamp	
123	4811702	12	Washer M6	
124	4751600	2	Washer 3/8	
125	0681608	1	Bolt 3/8 x 1	
126	3311605	1	Nut 3/8	
127	1001260412	1	Bracket	
128	1001162335	1	Bracket Assembly - Fuel Pump/Filter (Not Shown - See Separate Breakdown in this Section)	
129	2200261	1	Fitting	
130	1001277432	1	Spacer	
131	4240032	1	Tie-Strap (Not Shown)	
132	1001291401	1	Tag, Coolant	

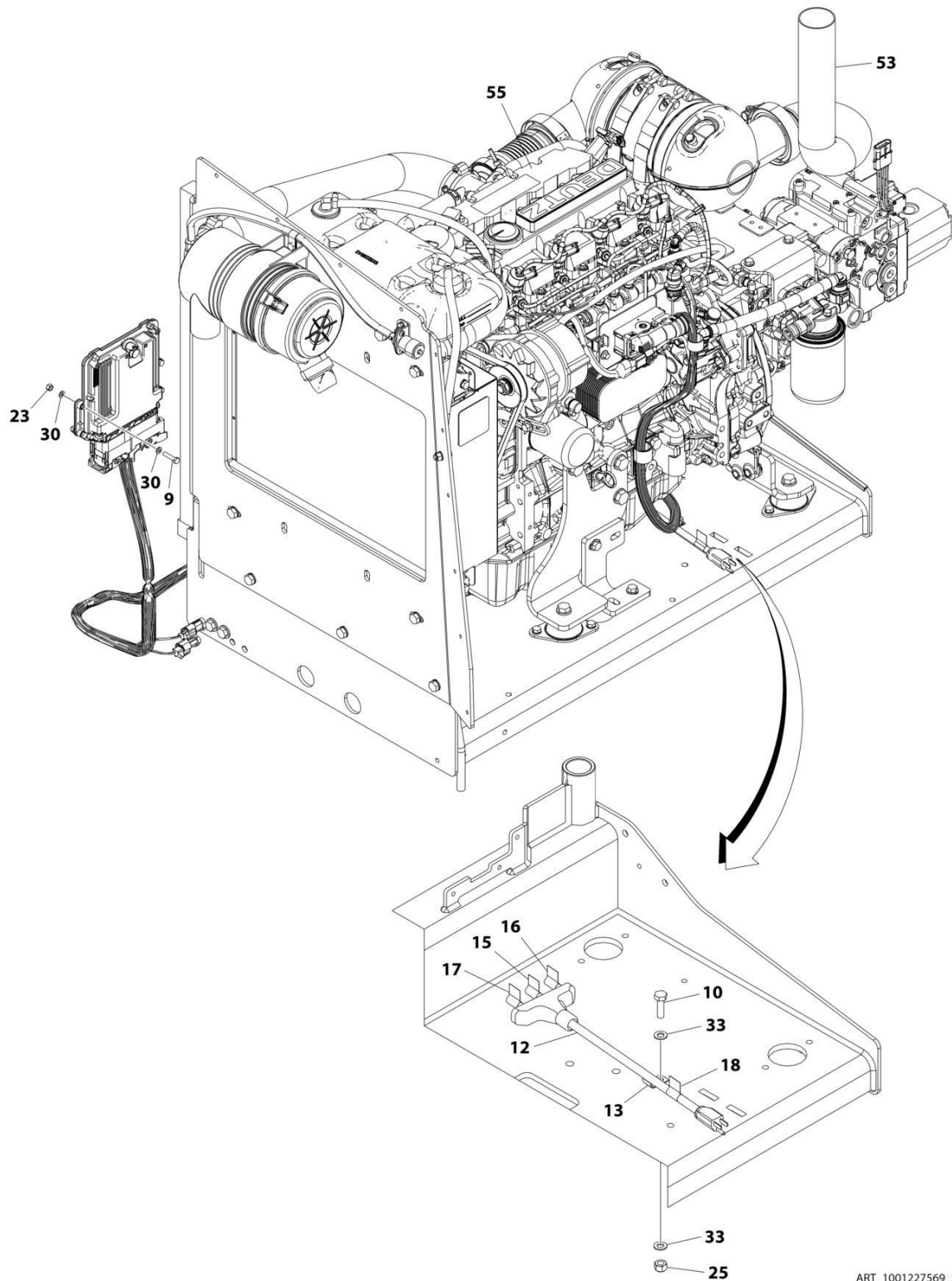
SECTION 3 - ENGINE

FIGURE 3-11. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)



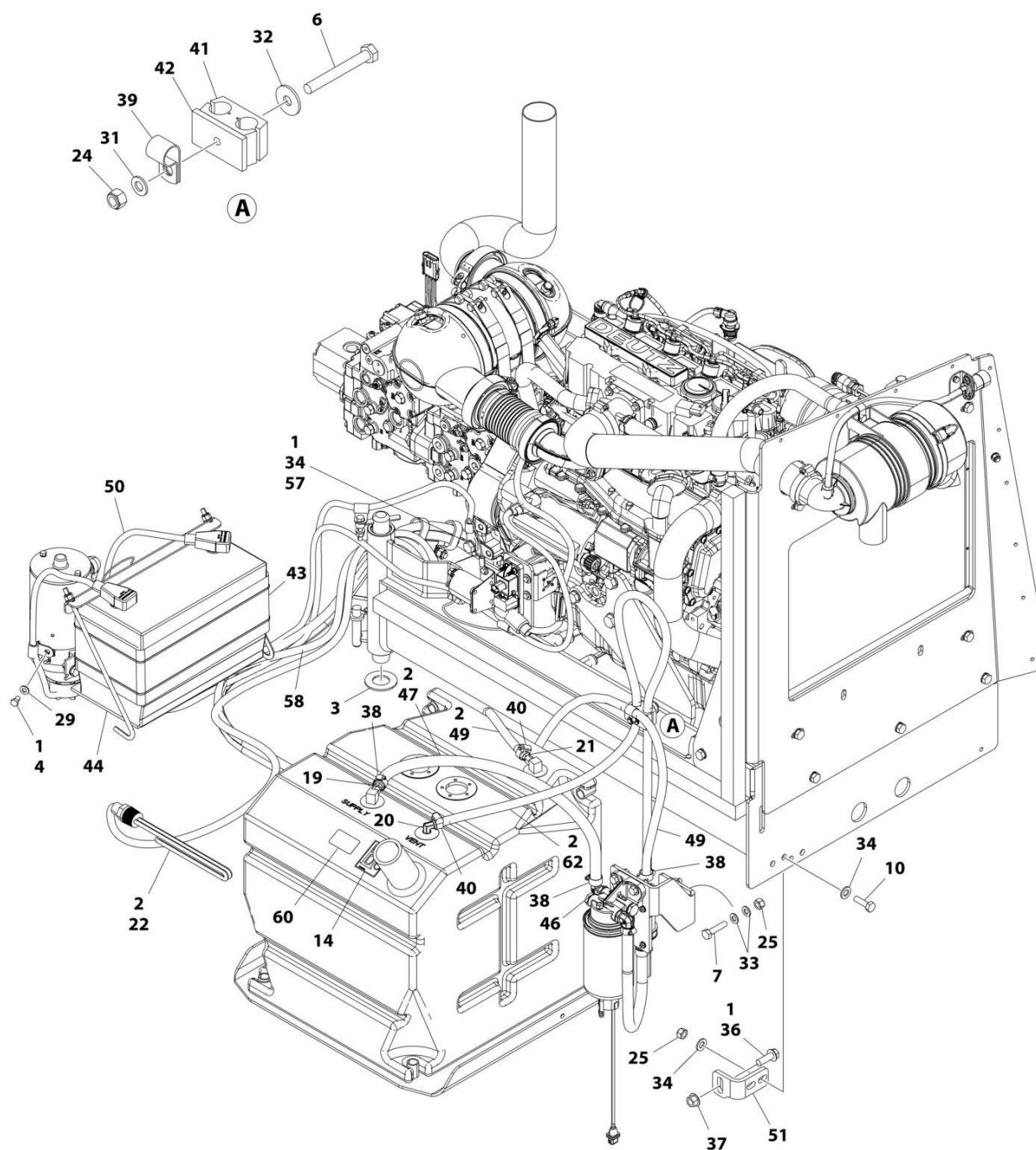
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SECTION 3 - ENGINE



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SECTION 3 - ENGINE



ART_1001227569_3OF3

SECTION 3 - ENGINE

FIGURE 3-11. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

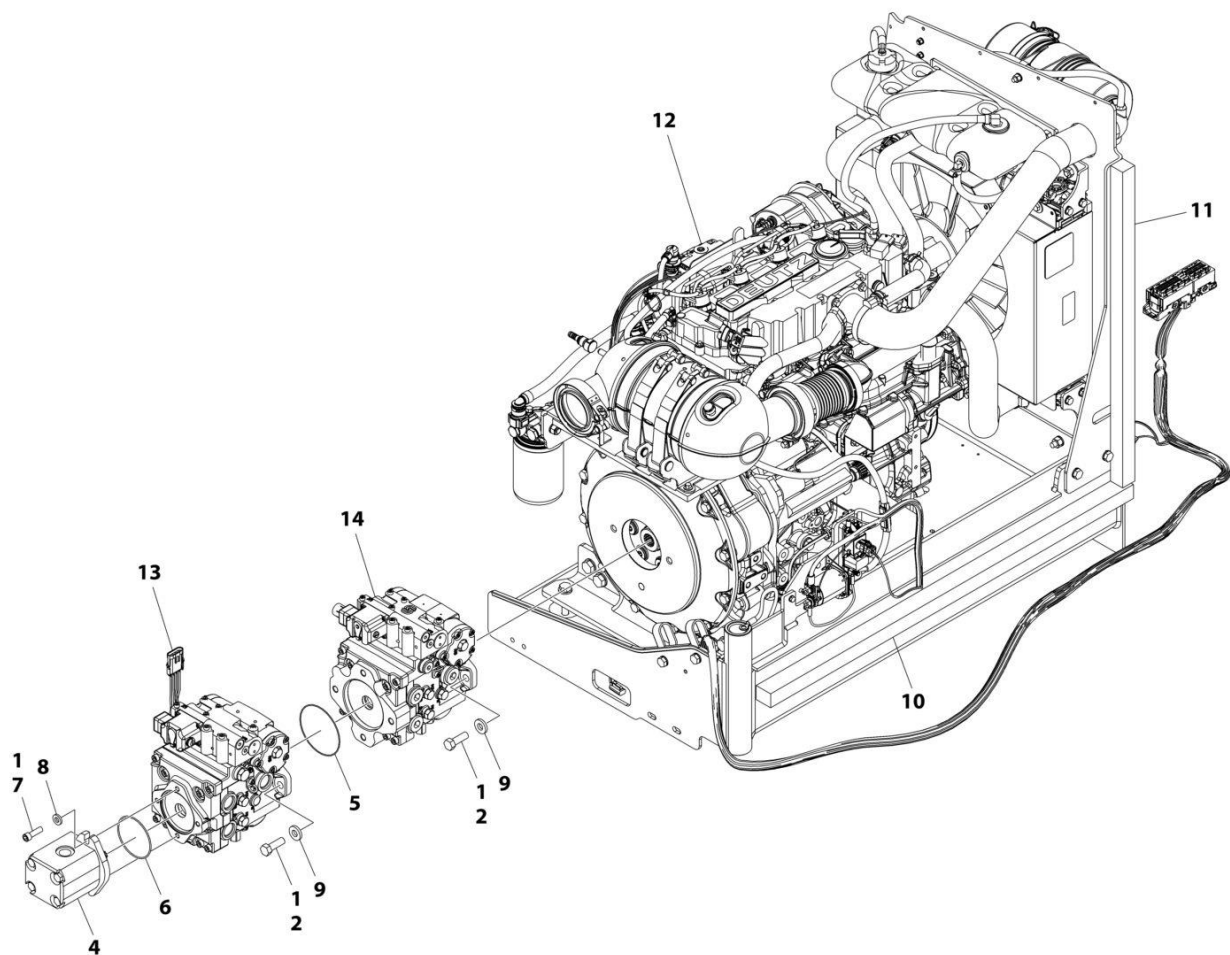
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227569	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0700821	1	Bolt M8 x 65	
7	0701017	2	Bolt M10 x 45	
8	0760610	1	Bolt M6 x 20	
9	0760613	4	Bolt M6 x 28	
10	0761015	5	Bolt M10 x 35	
12	1060626	1	Plug, 3 Way	
13	1320223	1	Clip	
14	1701505	2	Decal - Diesel Fuel	
15	1702941	1	Decal - Battery Heater	
16	1702942	1	Decal - Engine Block Heater	
17	1702943	1	Decal - Hydraulic Tank Heater	
18	1702944	1	Decal - Heater Cord	
19	2180832	1	Fitting, Barbed	
20	2220313	1	Fitting, Barbed 90	
21	2220767	1	Fitting, Barbed	
22	1001188972	1	Heater, Hydraulic Tank	
23	3290605	5	Nut M6	
24	3290805	2	Nut M8	
25	3291005	7	Nut M10	
26	3422532	1	Pin	
27	3841143	1	Pin	
28	4240099	AR	Tie-Strap (Not Shown)	
29	4711500	1	Washer 5/16	
30	4811700	10	Washer M6	
31	4811900	1	Washer M8	
32	4811902	1	Washer M8	
33	4812000	6	Washer M10	
34	4812100	9	Washer M12	
35	5240800	2	Washer M8	
36	5251215	1	Bolt M12 x 35	
37	5261200	1	Nut, Flange M12 (Class 10)	
38	8405006	3	Gear Clamp	
39	8406101	1	Clip Tube	
40	8410013	4	Gear Clamp	
41	8750014	1	Clamp	
42	8750031	1	Plate	
43	2580024	1	Heater, Battery	
44	1001119278	1	Insulate	
45	1001135196	1	Pin	
46	1001142501	1	Fitting, Barbed 90	
47	1001154405	2.2 ft/ 0.7m	Hose	
48	1001155823	1	Coupling, Quick Disconnect 90	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001165035	21 ft/ 6.4m	Hose	
50	1001166970	1	Cable, Batt and Aux Pump Cables	
51	1001167512	1	Bracket, Engine Tray	
52	1001169823	1	Plate, Engine Lock	
53	1001223802	1	Pipe, Exhaust	
54	1001173342	1	Harness, Deutz Fuel (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
55	1001227571	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
57	0771212	1	Bolt M12 x 25	
58	1001150918	1	Cable, Extension Cord	
60	1001125387	1	Decal, Ultra Low Sulfur Fuel	
62	2750532	5.5 ft/ 1.7m	Hose	
63	1001233763	1	Breather Heater Installation (Not Shown - See Separate Breakdown in this Section)	

SECTION 3 - ENGINE

FIGURE 3-12. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)



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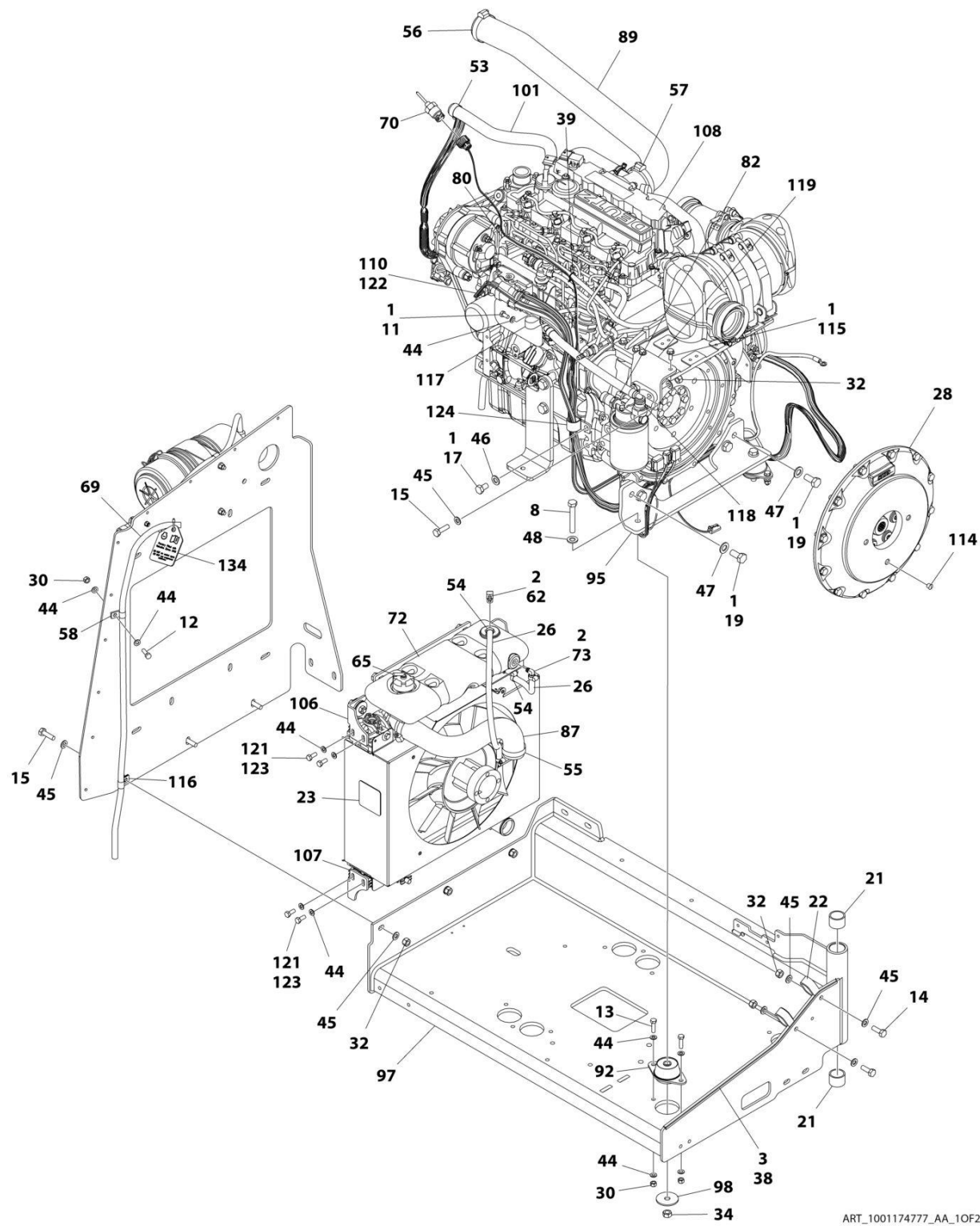
SECTION 3 - ENGINE

FIGURE 3-12. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227571	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE	B
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
4	3600242	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
5	3790045	1	O-Ring	
6	3790152	1	O-Ring	
7	3931620	2	Capscrew 3/8 x 1-1/4	
8	4891600	2	Washer 3/8 Hardened	
9	4891800	4	Washer 1/2 Hardened	
10	1001171953	1	Seal	
11	1001171954	1	Seal	
12	1001174777	1	Engine Assembly - Deutz D2.9L4 (See Separate Breakdown in this Section)	
13	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
14	1001189237	1	Piston Pump Assembly (Front) (See Separate in this Section)	

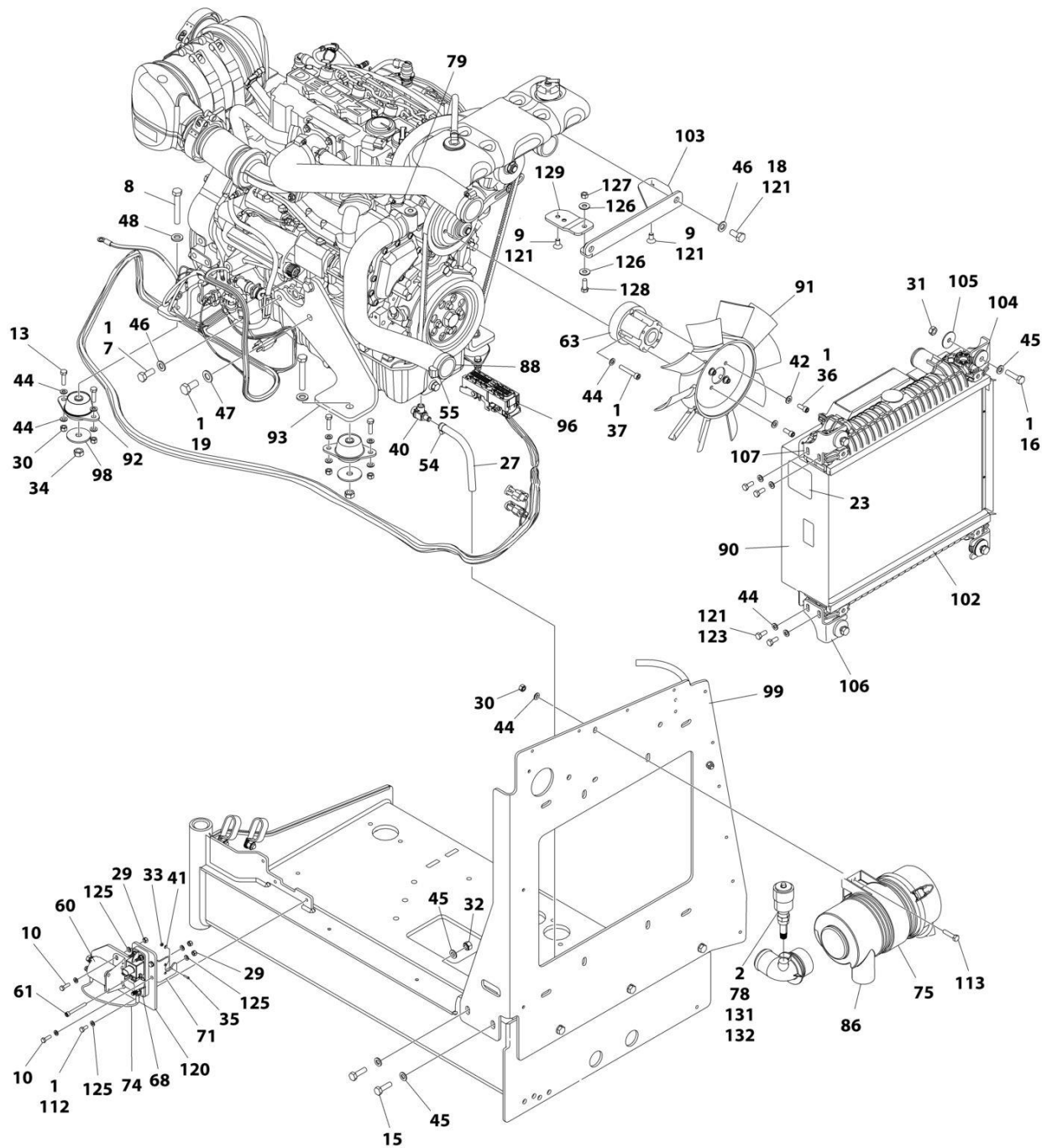
SECTION 3 - ENGINE

FIGURE 3-13. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)



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SECTION 3 - ENGINE



ART_1001174777_AA_2OF2

SECTION 3 - ENGINE

FIGURE 3-13. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174777	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE)	AA
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
7	0711214	1	Bolt M12 x 30 Class 10.9	
8	0711224	3	Bolt M12 x 80 Class 10.9	
9	0741606	2	Screw 3/8 x 3/4	
10	0760610	4	Bolt M6 x 20	
11	0760808	1	Bolt M8 x 16	
12	0760812	1	Bolt M8 x 25	
13	0760814	6	Bolt M8 x 30	
14	0761014	2	Bolt M10 x 30	
15	0761015	7	Bolt M10 x 35	
16	0761016	4	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771414	6	Bolt M14 x 30 Class 10.9	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
26	2720015	2 ft/1 m	Hose	
27	2720340	8 in /20 cm	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	5	Nut M6	
30	3290805	9	Nut M8	
31	3291001	4	Nut M10	
32	3291005	9	Nut M10	
33	3310401	3	Nut #4	
34	3331215	3	Nut M12 x 1.75	
35	3910408	3	Screw #4- x 1/2	
36	3931512	4	Capscrew 5/16 x 3/4	
37	4031914	4	Bolt M8 x 50	
38	4060805	3 ft/1 m	Flex-Trim	
39	4240099	AR	Tie-Strap	
40	4640751	1	Valve, Oil Drain	
41	4710400	3	Washer #4	
42	4711500	4	Washer 5/16	
44	4811900	31	Washer M8	
45	4812000	22	Washer M10	
46	4812100	4	Washer M12	
47	4812200	6	Washer M14	
48	5241200	3	Washer M12	
53	8405007	2	Clamp	
54	8405009	5	Clamp	
55	8405104	4	Clamp	
56	8405202	1	Clamp	
57	8405204	1	Clamp	

SECTION 3 - ENGINE

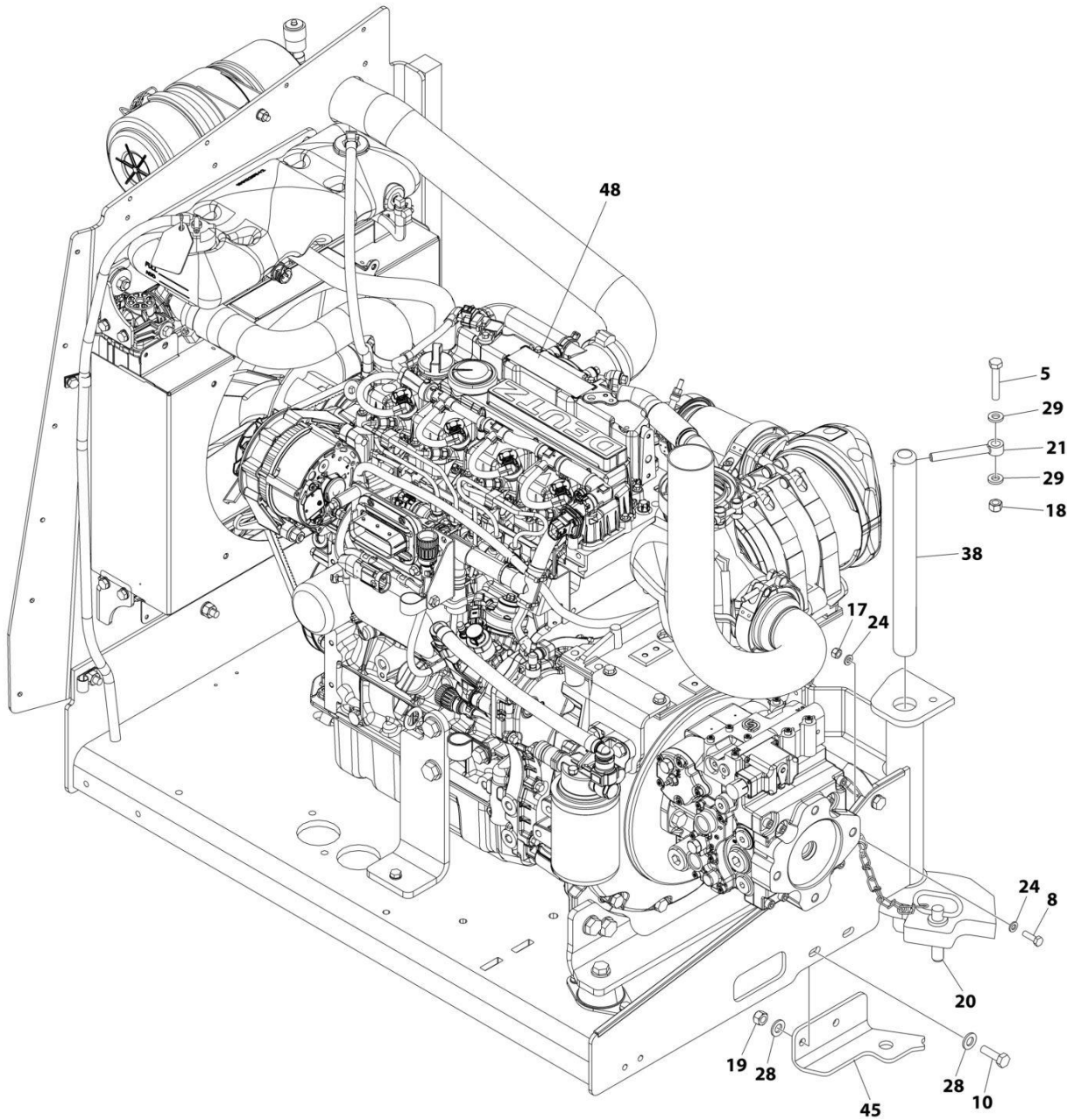
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
58	8406109	1	Clip	
60	1001117308	1	Relay, 200Amp	
60	3300220	2	Nut	
60	3321001	2	Nut #10	
60	4761000	2	Washer #10	
60	1001111424	2	Washer	
61	1001118878	1	Bolt M6 x 55	
62	1001134488	1	Fitting, Barbed 90	
63	1001144116	1	Spacer, Fan	
65	1001136834	1	Cap, Tank	
68	1001138228	1	Relay, Power Module	
68	70023592	1	Fuse 20Amp	
68	70023593	1	Fuse 30Amp	
69	1001138248	4 ft/1 m	Tube	
70	1001138827	1	Sensor, Coolant Level	
71	1001139240	1	Bracket	
72	1001230635	1	Tank, Surge (Includes Items 62, 70 & 73)	
73	1001140564	1	Fitting, Barbed 90	
74	1001141304	1	Harness, Glow Plug	
75	1001141694	1	Clamp, Air Cleaner	
78	1001143390	1	Indicator	
79	1001143797	1	Fitting, Barbed	
80	1001178788	1	Cable, Alternator	
82	1001152489	1	Fitting, Barbed 90	
86	1001165388	1	Air Cleaner Assembly	
86	70003783	1	Element, Air Cleaner	
87	1001165405	1	Hose, Upper Radiator	
88	1001165406	1	Hose, Lower Radiator	
89	1001165721	1	Hose, Air Intake	
90	1001165722	1	Radiator	
91	1001165849	1	Fan	
92	1001166718	3	Mount, Motor	
93	1001166921	1	Plate, Engine Mount	
95	1001166924	1	Plate, Engine Mount	
96	1001167108	1	Harness Engine - Deutz D2.9L4 (See Separate Breakdown in ELECTRICAL Section)	
97	1001167520	1	Tray, Engine	
98	1001168018	3	Washer, Special	
99	1001168026	1	Plate, Radiator Mounting	
101	1001168099	1	Hose	
102	1001168166	2	Seal	
103	1001260420	1	Bracket	
104	1001169054	4	Isolator	
105	1001169138	4	Washer, Snubbing	
106	1001169967	2	Bracket	
107	1001170035	2	Bracket	
108	1001249965	1	Engine, Deutz D2.9L4 (See Separate Breakdown in this Section)	
110	1001140312	1	Heater, Engine Block	
112	0760607	3	Bolt M6 x 14	
113	0760815	2	Bolt M8 x 35	
114	3520054	1	Plug	
115	5250810	2	Bolt M8 x 20	

SECTION 3 - ENGINE

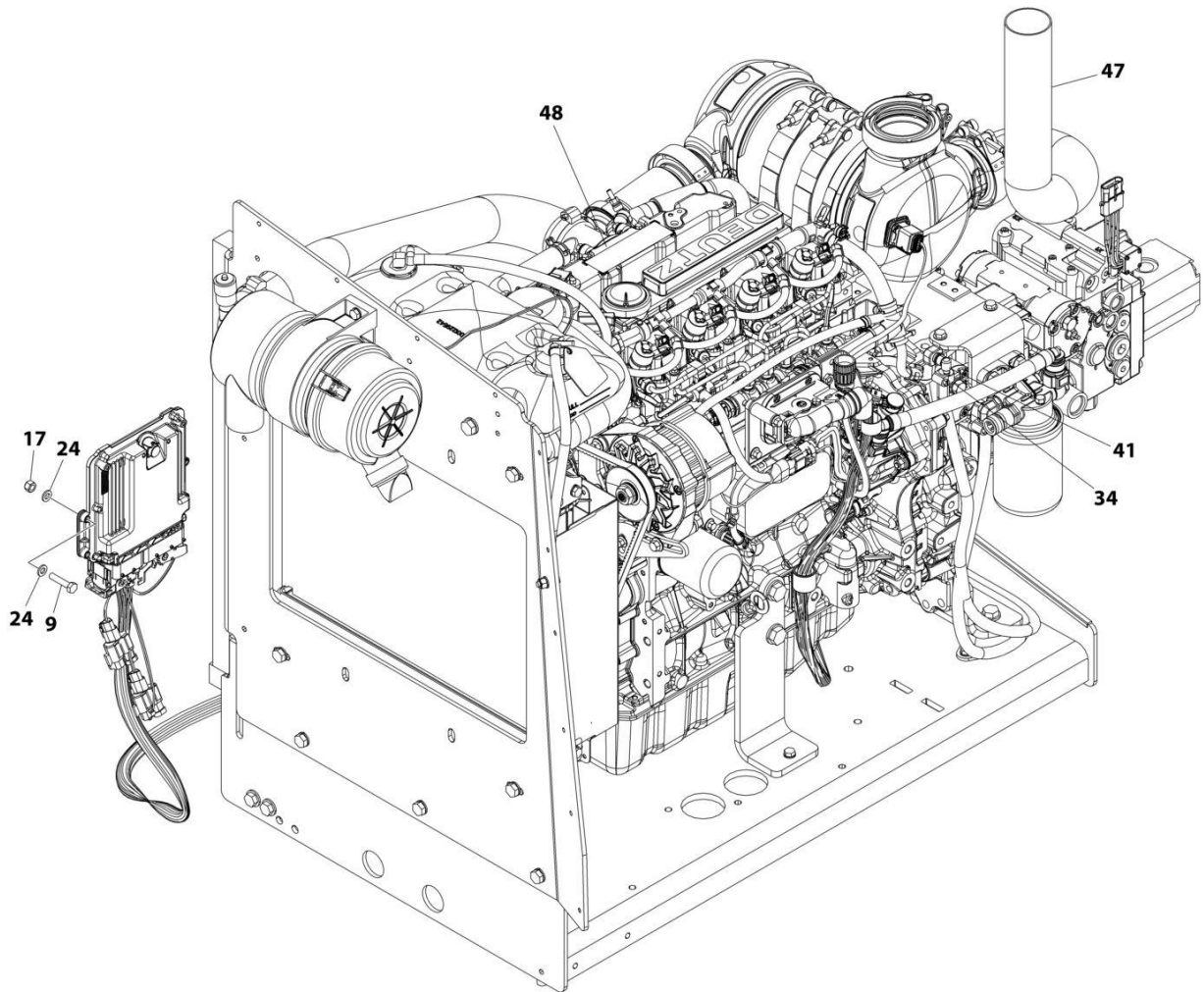
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
116	8406110	1	Clip	
117	8406201	1	Clip	
118	1001177359	1	Hose	
119	1001178876	1	Mount, Fuel Filter	
120	1001179903	1	Bracket	
121	1001180620	AR	Adhesive	
122	1001181895	AR	Adhesive	
123	0760810	8	Bolt M8 x 20	
124	1001191620	1	Clamp	
125	4811702	12	Washer M6	
126	4751600	2	Washer 3/8	
127	3311605	1	Nut 3/8	
128	0681608	1	Bolt 3/8 x 1	
129	1001260412	1	Bracket	
130	1001162335	1	Bracket Assembly - Fuel Pump/Filter (Not Shown - See Separate Breakdown in this Section)	
131	2200261	1	Fitting	
132	1001277432	1	Spacer	
133	4240032	1	Tie-Strap (Not Shown)	
134	1001291401	1	Tag, Coolant	

SECTION 3 - ENGINE

FIGURE 3-14. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE)
(ANSI, ANSI EXPORT AND CSA SPECS)

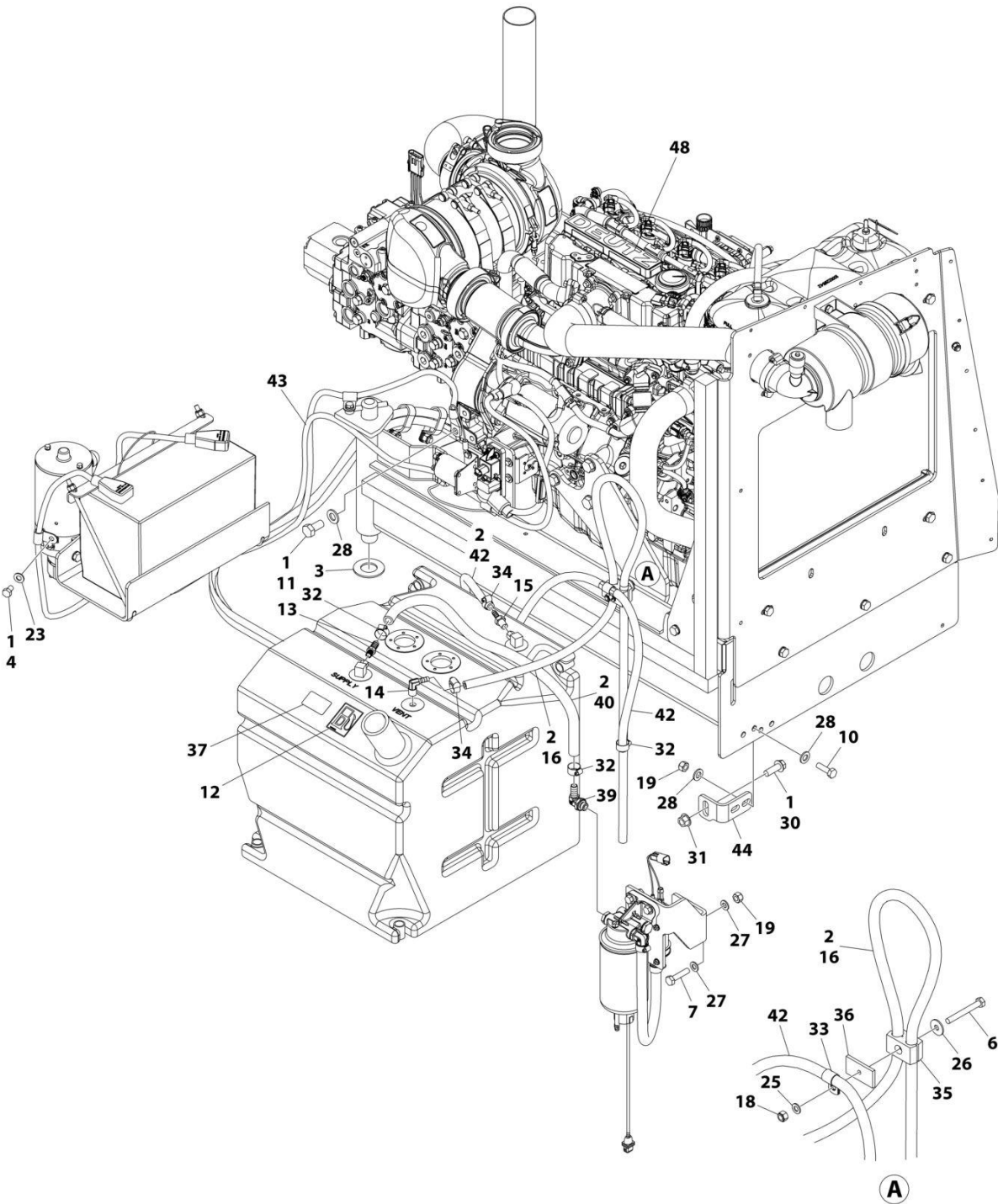


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ART_1001302971_2OF3

SECTION 3 - ENGINE



ART_1001302971_3OF3

SECTION 3 - ENGINE

**FIGURE 3-14. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE)
(ANSI, ANSI EXPORT AND CSA SPECS)**

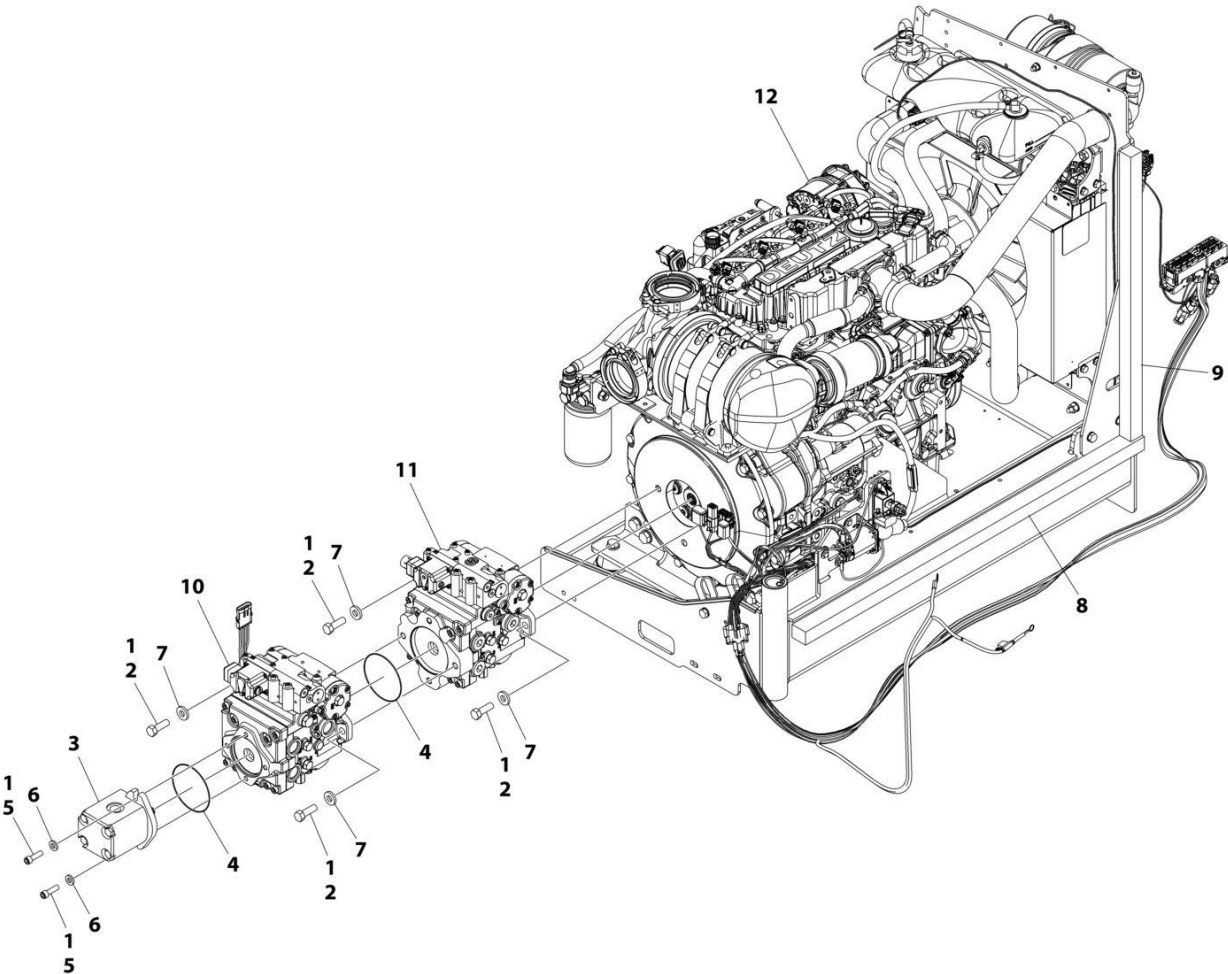
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302971	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0700821	1	Bolt M8 x 65	
7	0701017	2	Bolt M10 x 45	
8	0760610	1	Bolt M6 x 20	
9	0760613	4	Bolt M6 x 28	
10	0761015	4	Bolt M10 x 35	
11	0771212	1	Bolt M12 x 25	
12	1701505	2	Decal - Diesel	
13	2180832	1	Fitting, Barbed	
14	2220313	1	Fitting, Barbed 90	
15	2220767	1	Fitting, Barbed	
16	2750532	6 ft /2 m	Hose	
17	3290605	5	Nut M6	
18	3290805	2	Nut M8	
19	3291005	6	Nut M10	
20	3422532	1	Pin	
21	3841143	1	Keeper, Pin	
22	4240099	AR	Tie-Strap (Not Shown)	
23	4711500	1	Washer 5/16	
24	4811700	10	Washer M6	
25	4811900	1	Washer M8	
26	4811902	1	Washer M8	
27	4812000	4	Washer M10	
28	4812100	9	Washer M12	
29	5240800	2	Washer M8	
30	5251215	1	Bolt M12 x 35	
31	5261200	1	Nut M12	
32	8405006	3	Clamp	
33	8406101	1	Clip	
34	8410013	4	Clamp	
35	8750014	1	Clamp	
36	8750031	1	Plate	
37	1001125387	1	Decal - Ultra Low Sulfur Diesel	
38	1001135196	1	Pin	
39	1001142501	1	Fitting, Barbed 90	
40	1001154405	3 ft /1 m	Hose	
41	1001155823	1	Coupling, Quick Disconnect 90	
42	1001165035	21 ft /6 m	Hose	
43	1001166970	1	Cable, Battery & Aux Pump	
44	1001167512	1	Bracket	
45	1001169823	1	Plate	
46	1001173342	1	Deutz Fuel Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001223802	1	Pipe, Exhaust	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001302962	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	

SECTION 3 - ENGINE

FIGURE 3-15. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)



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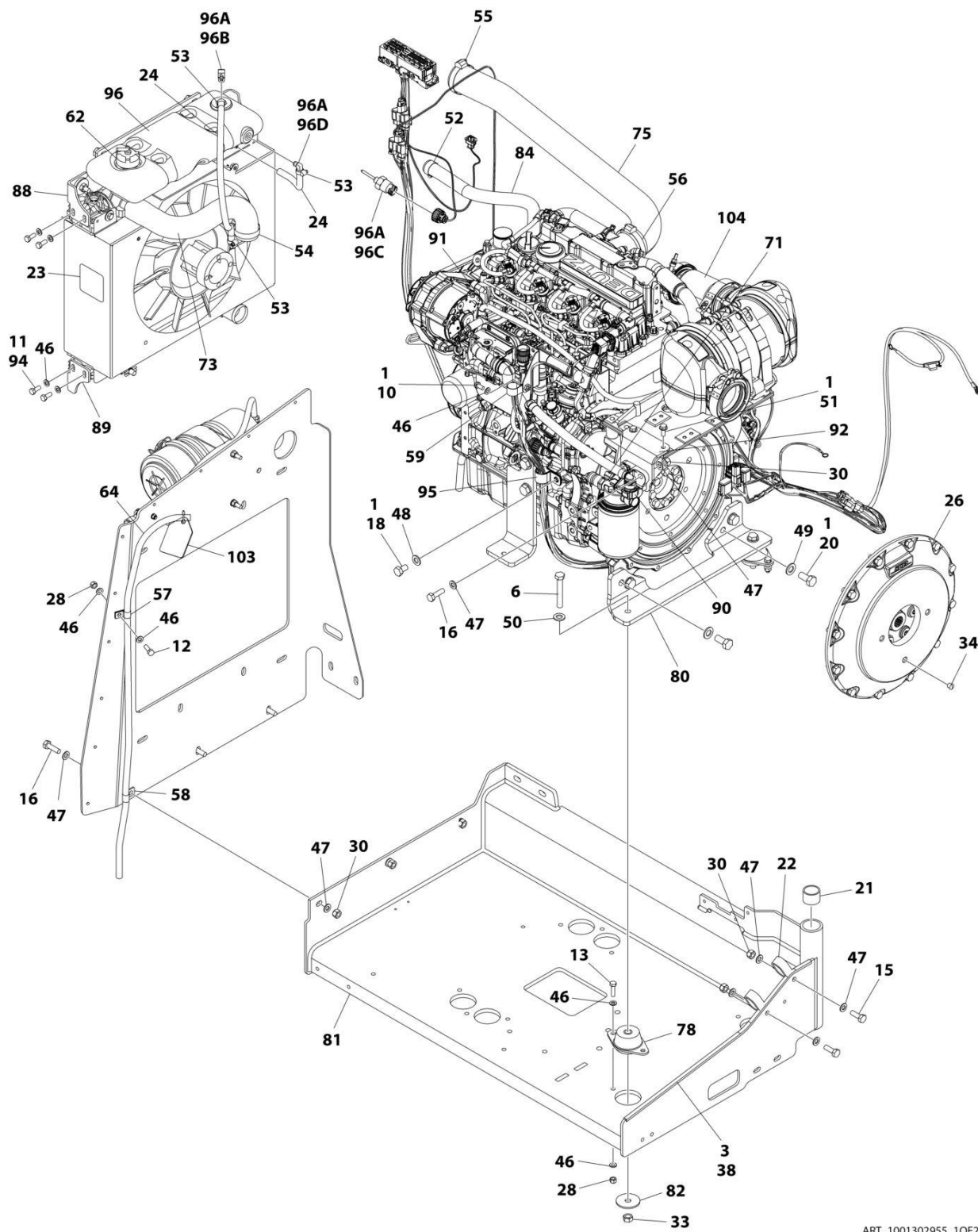
SECTION 3 - ENGINE

FIGURE 3-15. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302962	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
3	3600242	1	Gear Pump Assembly	
3	70006356	1	Seal Kit - 1001214207 Pump	
4	3790045	2	O-Ring	
5	3931620	2	Capscrew 3/8 x 1-1/4	
6	4891600	2	Washer 3/8	
7	4891800	4	Washer 1/2	
8	1001171953	1	Seal	
9	1001171954	1	Seal	
10	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
11	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	
12	1001302955	1	Engine Assembly - Deutz D2.9L4 ERM5 Engine (Without Arctic Package) (See Separate Breakdown in this Section)	

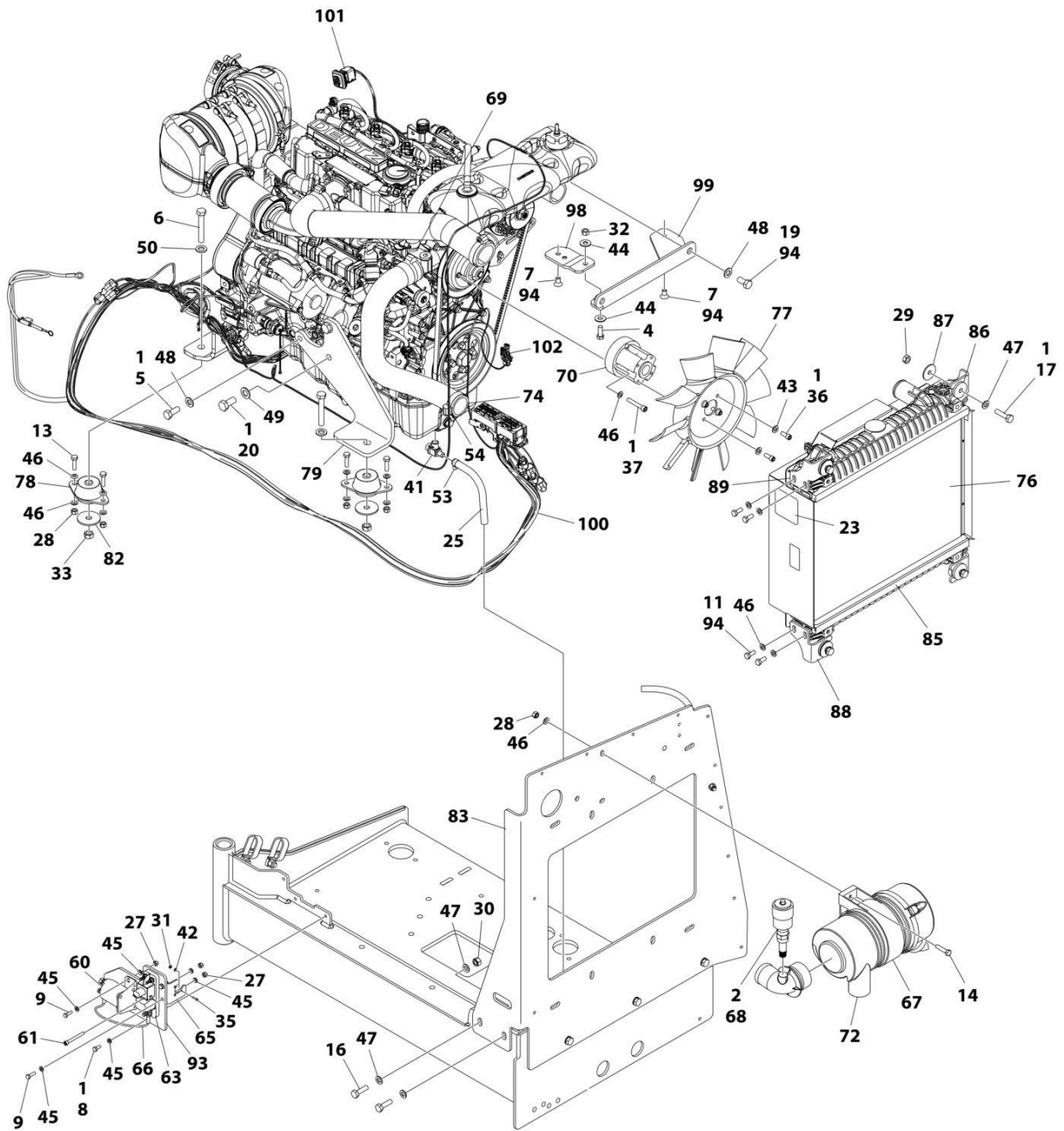
SECTION 3 - ENGINE

FIGURE 3-16. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE)
(ANSI, ANSI EXPORT AND CSA SPECS)



ART_1001302955_10F2

SECTION 3 - ENGINE



ART_1001302955_2OF2

SECTION 3 - ENGINE

**FIGURE 3-16. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE)
(ANSI, ANSI EXPORT AND CSA SPECS)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302955	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0681608	1	Bolt 3/8 x 1	
5	0711214	1	Bolt M12 x 30	
6	0711224	3	Bolt M12 x 80	
7	0741606	2	Screw 3/8 x 3/4	
8	0760607	3	Bolt M6 x 14	
9	0760610	4	Bolt M6 x 20	
10	0760808	1	Bolt M8 x 16	
11	0760810	8	Bolt M8 x 20	
12	0760812	1	Bolt M8 x 25	
13	0760814	6	Bolt M8 x 30	
14	0760815	2	Bolt M8 x 35	
15	0761014	2	Bolt M10 x 30	
16	0761015	7	Bolt M10 x 35	
17	0761016	4	Bolt M10 x 40	
18	0761210	1	Bolt M12 x 20	
19	0761212	2	Bolt M12 x 25	
20	0771414	6	Bolt M14 x 30	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2720015	2 ft/1 m	Hose	
25	2720340	8 in/20 cm	Hose	
26	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
27	3290605	5	Nut M6	
28	3290805	9	Nut M8	
29	3291001	4	Nut M10	
30	3291005	9	Nut M10	
31	3310401	3	Nut #4	
32	3311605	1	Nut 3/8	
33	3331215	3	Nut M12	
34	3520054	1	Plug	
35	3910408	3	Screw #4 x 1/2	
36	3931512	4	Capscrew 5/16 x 3/4	
37	4031914	4	Bolt M8 x 50	
38	4060805	2 ft/1 m	Flex-Trim	
39	4240032	AR	Tie-Strap (Not Shown)	
40	4240099	AR	Tie-Strap (Not Shown)	
41	4640751	1	Valve, Oil Drain	
42	4710400	3	Washer #4	
43	4711500	4	Washer 5/16	
44	4751600	2	Washer 3/8	
45	4811702	12	Washer M6	
46	4811900	31	Washer M8	
47	4812000	22	Washer M10	
48	4812100	4	Washer M12	

SECTION 3 - ENGINE

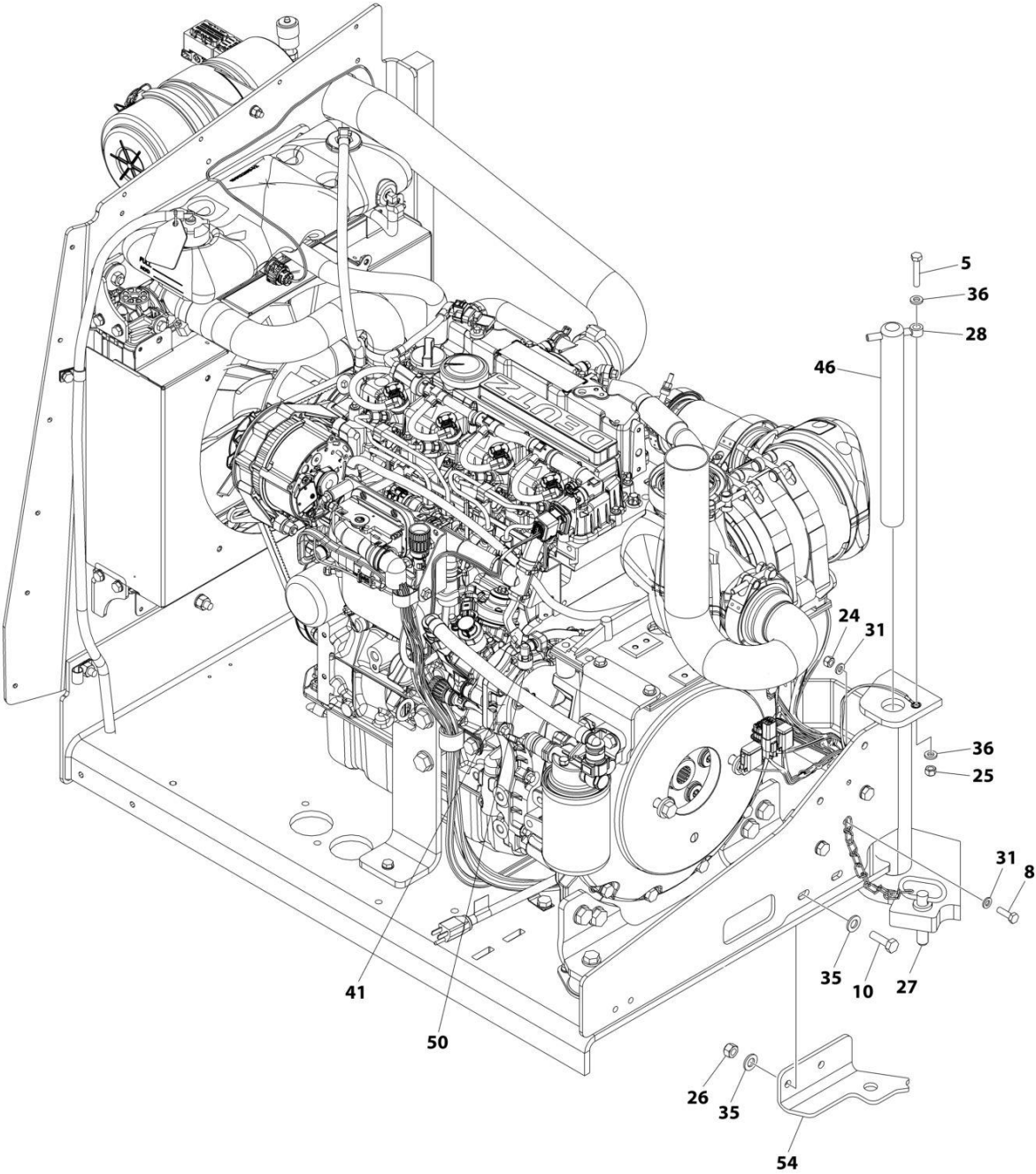
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	4812200	6	Washer M14	
50	5241200	3	Washer M12	
51	5250810	2	Bolt M8 x 20	
52	8405007	2	Clamp	
53	8405009	5	Clamp	
54	8405104	4	Clamp	
55	8405202	1	Clamp	
56	8405204	1	Clamp	
57	8406109	1	Clip	
58	8406110	1	Clip	
59	8406201	1	Clip	
60	1001117308	1	Relay, 200Amp	
60	3300220	2	Nut	
60	3321001	2	Nut #10	
60	4761000	2	Washer #10	
60	100111424	2	Washer	
61	1001118878	1	Bolt M6 x 55	
62	1001136834	1	Cap, Tank	
63	1001138228	1	Relay, Power Module	
63	70023592	1	Fuse 20AMP	
63	70023593	1	Fuse 30AMP	
64	1001138248	4 ft/1 m	Hose	
65	1001139240	1	Bracket	
66	1001141304	1	Harness, Glow Fuse	
67	1001141694	1	Clamp	
68	1001143390	1	Indicator	
69	1001143797	1	Fitting, Pipe Straight	
70	1001144116	1	Spacer, Fan	
71	1001152489	1	Fitting, Pipe 90	
72	1001165388	1	Filter, Air Cleaner	
73	1001165405	1	Hose	
74	1001165406	1	Hose	
75	1001165721	1	Hose	
76	1001165722	1	Radiator	
77	1001165849	1	Fan	
78	1001166718	3	Isolator	
79	1001166921	1	Plate	
80	1001166924	1	Plate	
81	1001167520	1	Support	
82	1001168018	3	Washer, Special	
83	1001168026	1	Plate	
84	1001168099	1	Hose	
85	1001168166	2	Seal	
86	1001169054	4	Isolator, Radiator	
87	1001169138	4	Pad	
88	1001169967	2	Bracket	
89	1001170035	2	Bracket	
90	1001177359	1	Hose	
91	1001178788	1	Cable, Alternator	
92	1001178876	1	Mount	
93	1001179903	1	Bracket	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
94	1001180620	AR	Adhesive	
95	1001191620	1	Clamp	
96	1001230635	1	Tank, Surge Assembly (Includes Items 96A-96D)	
96A	0100020	AR	Sealant, Pipe	
96B	1001134488	1	Fitting, Barbed	
96C	1001138827	1	Sensor, Coolant Level	
96D	1001140564	1	Fitting, Barbed 90	
97	1001235949	1	Bracket Assembly Fuel Pump/Filter (Not Shown - See Separate Breakdown in this Section)	
98	1001260412	1	Bracket	
99	1001260420	1	Bracket	
100	1001276643	1	Engine Harness (See Separate Breakdown in ELECTRICAL Section)	
101	1001281985	1	Connector	
102	1001281986	1	Connector	
103	1001291401	1	Tag, Coolant	
104	1001302954	1	Engine, Deutz D2.9L4 ERM5 (See Separate Breakdown in this Section)	

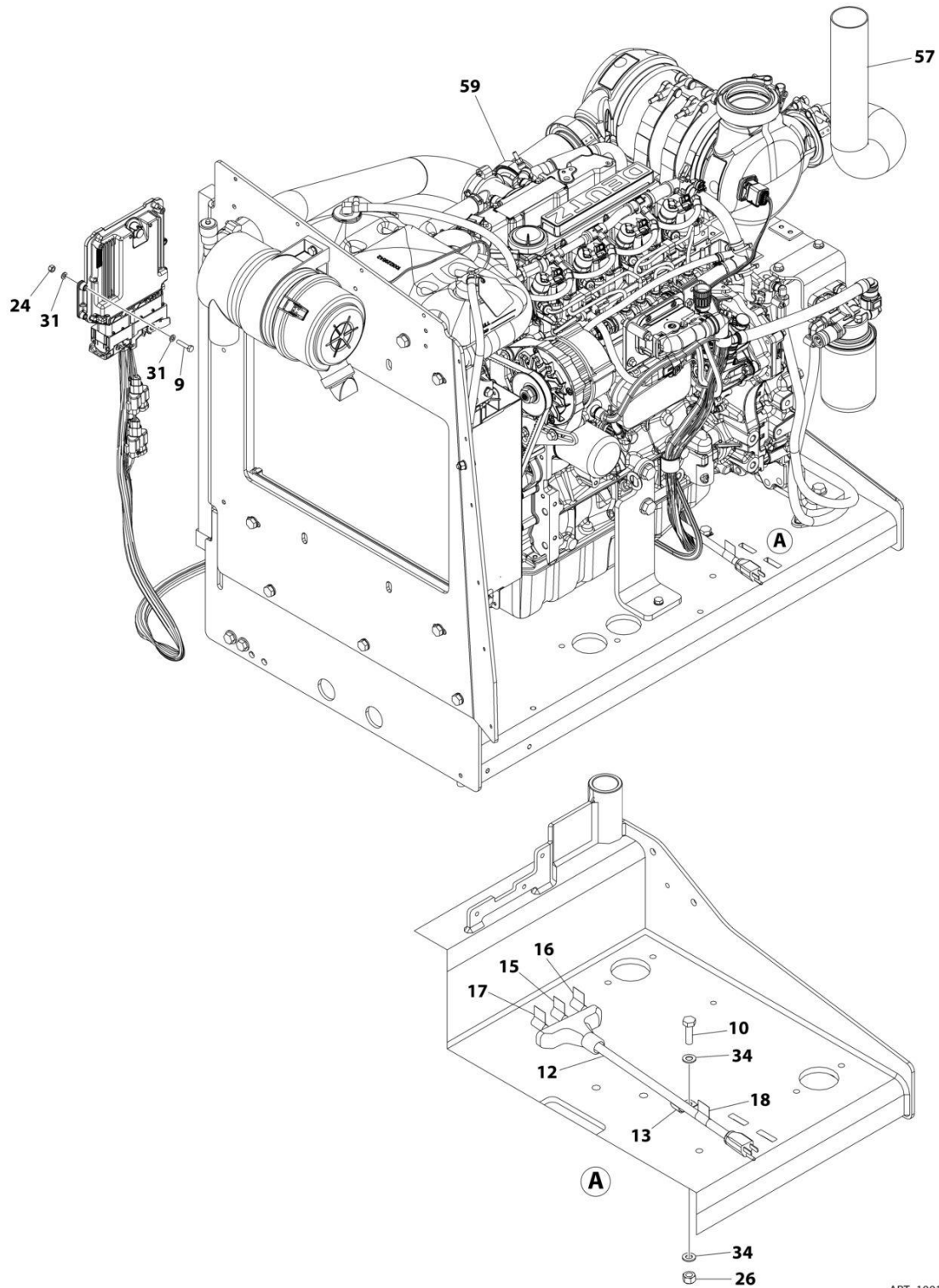
SECTION 3 - ENGINE

FIGURE 3-17. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)



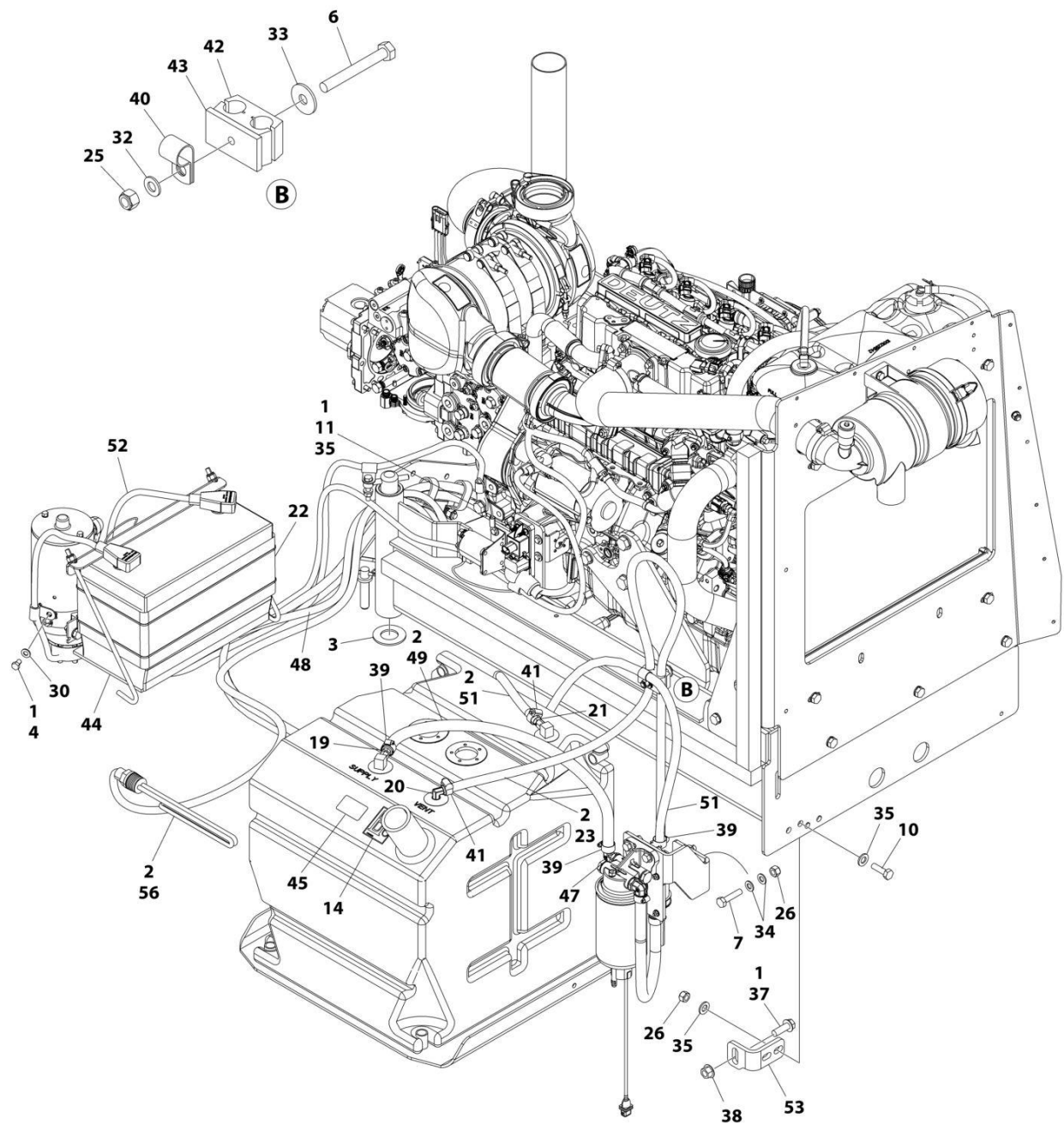
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SECTION 3 - ENGINE



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SECTION 3 - ENGINE



ART_1001302974_3OF3

SECTION 3 - ENGINE

FIGURE 3-17. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

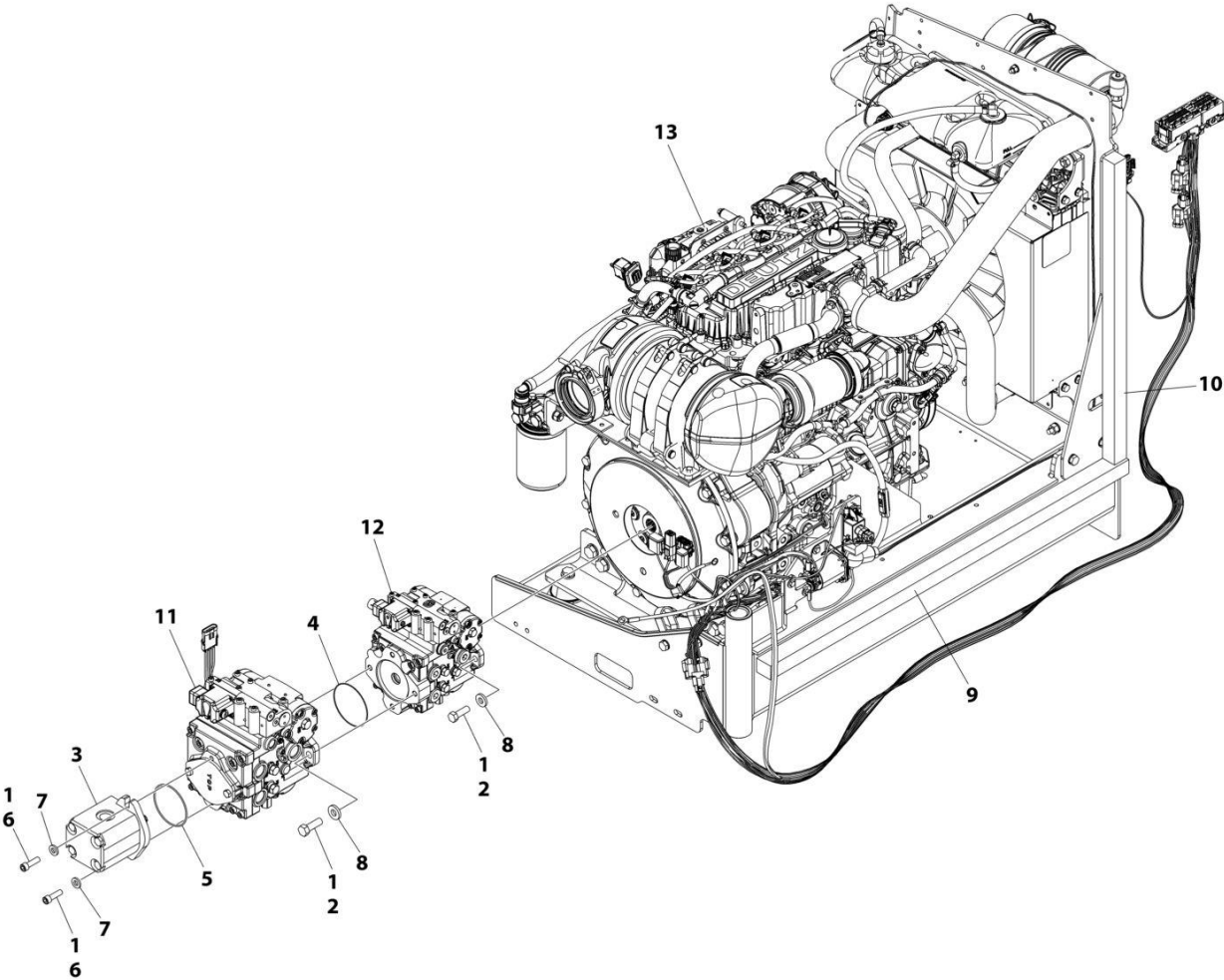
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302974	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0700821	1	Bolt M8 x 65	
7	0701017	2	Bolt M10 x 45	
8	0760610	1	Bolt M6 x 20	
9	0760613	4	Bolt M6 x 28	
10	0761015	5	Bolt M10 x 35	
11	0771212	1	Bolt M12 x 25	
12	1060626	1	Cord, 3-Way Extension	
13	1320223	1	Clamp	
14	1701505	2	Decal - Diesel	
15	1702941	1	Decal - Battery Heater	
16	1702942	1	Decal - Engine Block Heater	
17	1702943	1	Decal - Hydraulic Tank Heater	
18	1702944	1	Decal - Heater Cord	
19	2180832	1	Fitting, Barbed	
20	2220313	1	Fitting, Barbed 90	
21	2220767	1	Fitting, Barbed	
22	2580024	1	Heater, Battery	
23	2750532	6 ft /2 m	Hose	
24	3290605	5	Nut M6	
25	3290805	2	Nut M8	
26	3291005	7	Nut M10	
27	3422532	1	Pin	
28	3841143	1	Keeper, Pin	
29	4240099	AR	Tie-Strap (Not Shown)	
30	4711500	1	Washer 5/16	
31	4811700	10	Washer M6	
32	4811900	1	Washer M8	
33	4811902	1	Washer M8	
34	4812000	6	Washer M10	
35	4812100	9	Washer M12	
36	5240800	2	Washer M8	
37	5251215	1	Bolt M12 x 35	
38	5261200	1	Nut M12	
39	8405006	3	Clamp	
40	8406101	1	Clip	
41	8410013	4	Clamp	
42	8750014	1	Clamp	
43	8750031	1	Plate	
44	1001119278	1	Insulate, Battery	
45	1001125387	1	Decal - Ultra Low Sulfur Diesel	
46	1001135196	1	Pin	
47	1001142501	1	Fitting, Barbed 90	
48	1001150918	1	Cable, Extension Cord	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001154405	3 ft /1 m	Hose	
50	1001155823	1	Coupling, Quick Disconnect 90	
51	1001165035	21 ft /6 m	Hose	
52	1001166970	1	Cable, Battery & Aux Pump	
53	1001167512	1	Bracket	
54	1001169823	1	Plate	
55	1001173342	1	Deutz Fuel Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
56	1001188972	1	Immersion Heater	
57	1001223802	1	Pipe, Exhaust	
58	1001233763	1	Breather Heater Installation (Not Shown - See Separate Breakdown in this Section)	
59	1001302964	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	

SECTION 3 - ENGINE

FIGURE 3-18. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)



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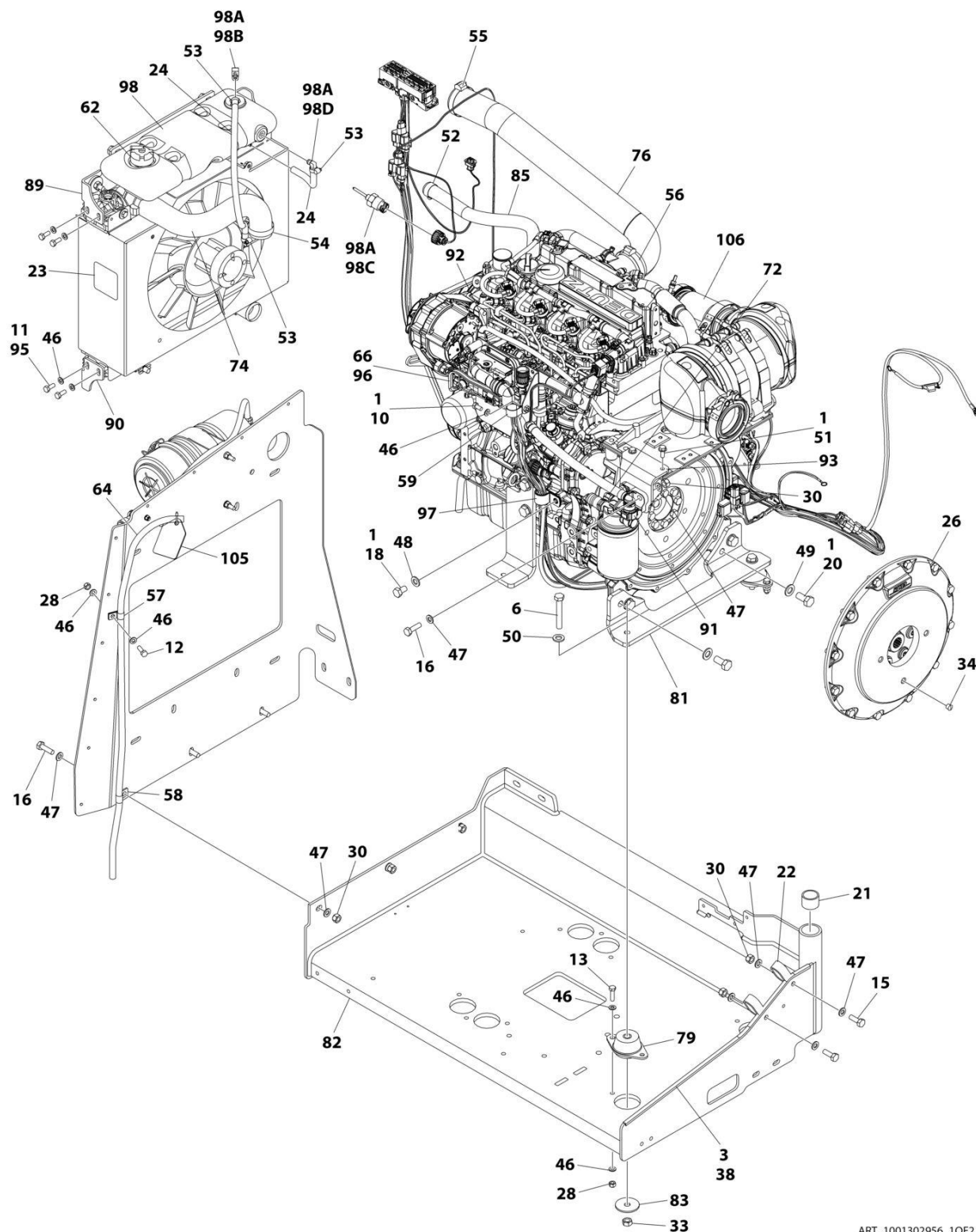
SECTION 3 - ENGINE

FIGURE 3-18. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302964	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
3	3600242	1	Gear Pump Assembly	
3	70006356	1	Seal Kit - 1001214207 Pump	
4	3790045	1	O-Ring	
5	3790152	1	O-Ring	
6	3931620	2	Capscrew 3/8 x 1-1/4	
7	4891600	2	Washer 3/8	
8	4891800	4	Washer 1/2	
9	1001171953	1	Seal	
10	1001171954	1	Seal	
11	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
12	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	
13	1001302956	1	Engine Assembly - Deutz D2.9L4 ERM5 Engine (Without Arctic Package) (See Separate Breakdown in this Section)	

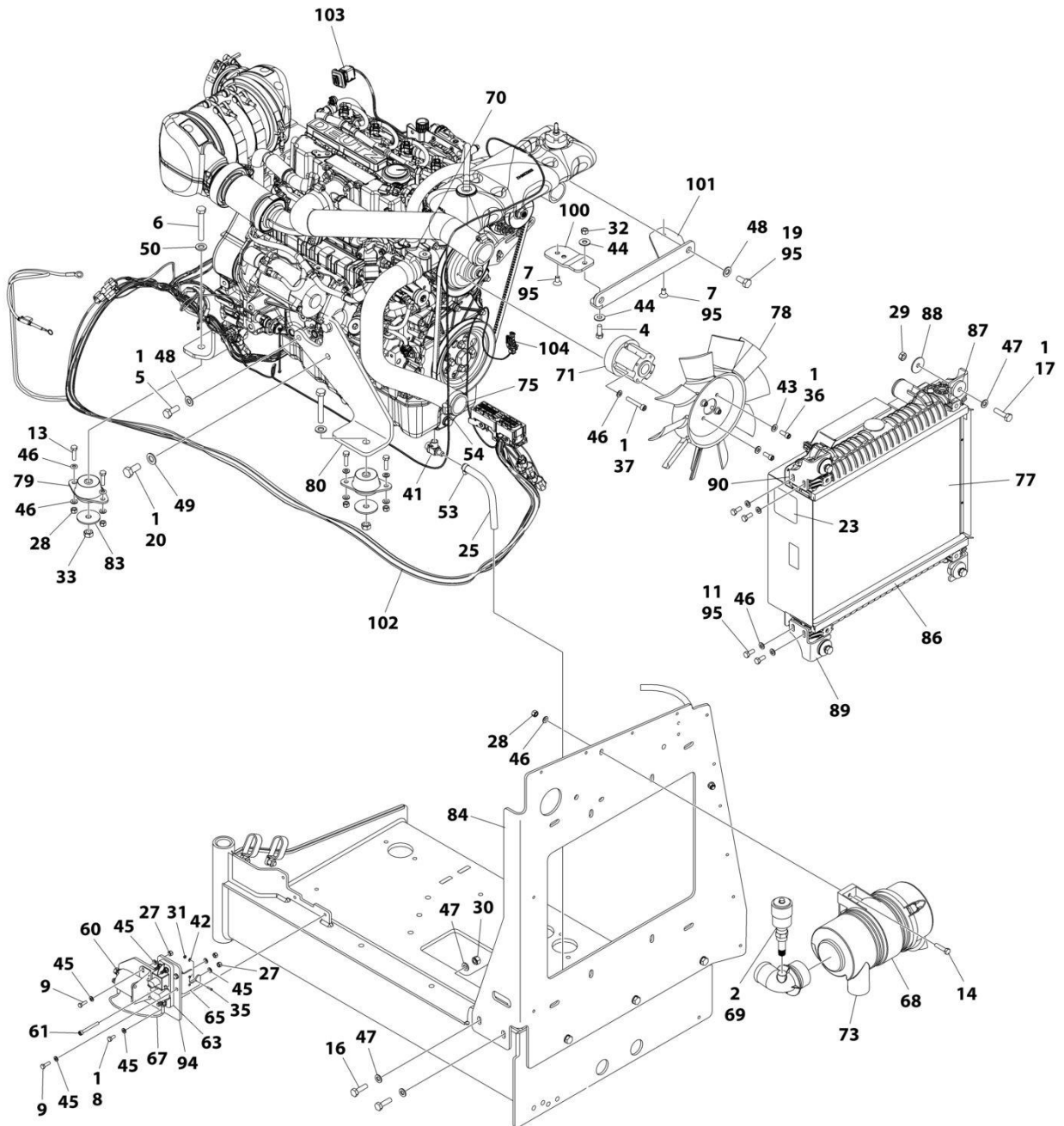
SECTION 3 - ENGINE

FIGURE 3-19. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS)



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SECTION 3 - ENGINE



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SECTION 3 - ENGINE

FIGURE 3-19. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302956	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0681608	1	Bolt 3/8 x 1	
5	0711214	1	Bolt M12 x 30	
6	0711224	3	Bolt M12 x 80	
7	0741606	2	Screw 3/8 x 3/4	
8	0760607	3	Bolt M6 x 14	
9	0760610	4	Bolt M6 x 20	
10	0760808	1	Bolt M8 x 16	
11	0760810	8	Bolt M8 x 20	
12	0760812	1	Bolt M8 x 25	
13	0760814	6	Bolt M8 x 30	
14	0760815	2	Bolt M8 x 35	
15	0761014	2	Bolt M10 x 30	
16	0761015	7	Bolt M10 x 35	
17	0761016	4	Bolt M10 x 40	
18	0761210	1	Bolt M12 x 20	
19	0761212	2	Bolt M12 x 25	
20	0771414	6	Bolt M14 x 30	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2720015	2 ft/1 m	Hose	
25	2720340	8 in/20 cm	Hose	
26	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
27	3290605	5	Nut M6	
28	3290805	9	Nut M8	
29	3291001	4	Nut M10	
30	3291005	9	Nut M10	
31	3310401	3	Nut #4	
32	3311605	1	Nut 3/8	
33	3331215	3	Nut M12	
34	3520054	1	Plug	
35	3910408	3	Screw #4 x 1/2	
36	3931512	4	Capscrew 5/16 x 3/4	
37	4031914	4	Bolt M8 x 50	
38	4060805	3 ft/1 m	Flex-Trim	
39	4240032	AR	Tie-Strap (Not Shown)	
40	4240099	AR	Tie-Strap (Not Shown)	
41	4640751	1	Valve, Oil Drain	
42	4710400	3	Washer #4	
43	4711500	4	Washer 5/16	
44	4751600	2	Washer 3/8	
45	4811702	12	Washer M6	
46	4811900	31	Washer M8	
47	4812000	22	Washer M10	
48	4812100	4	Washer M12	

SECTION 3 - ENGINE

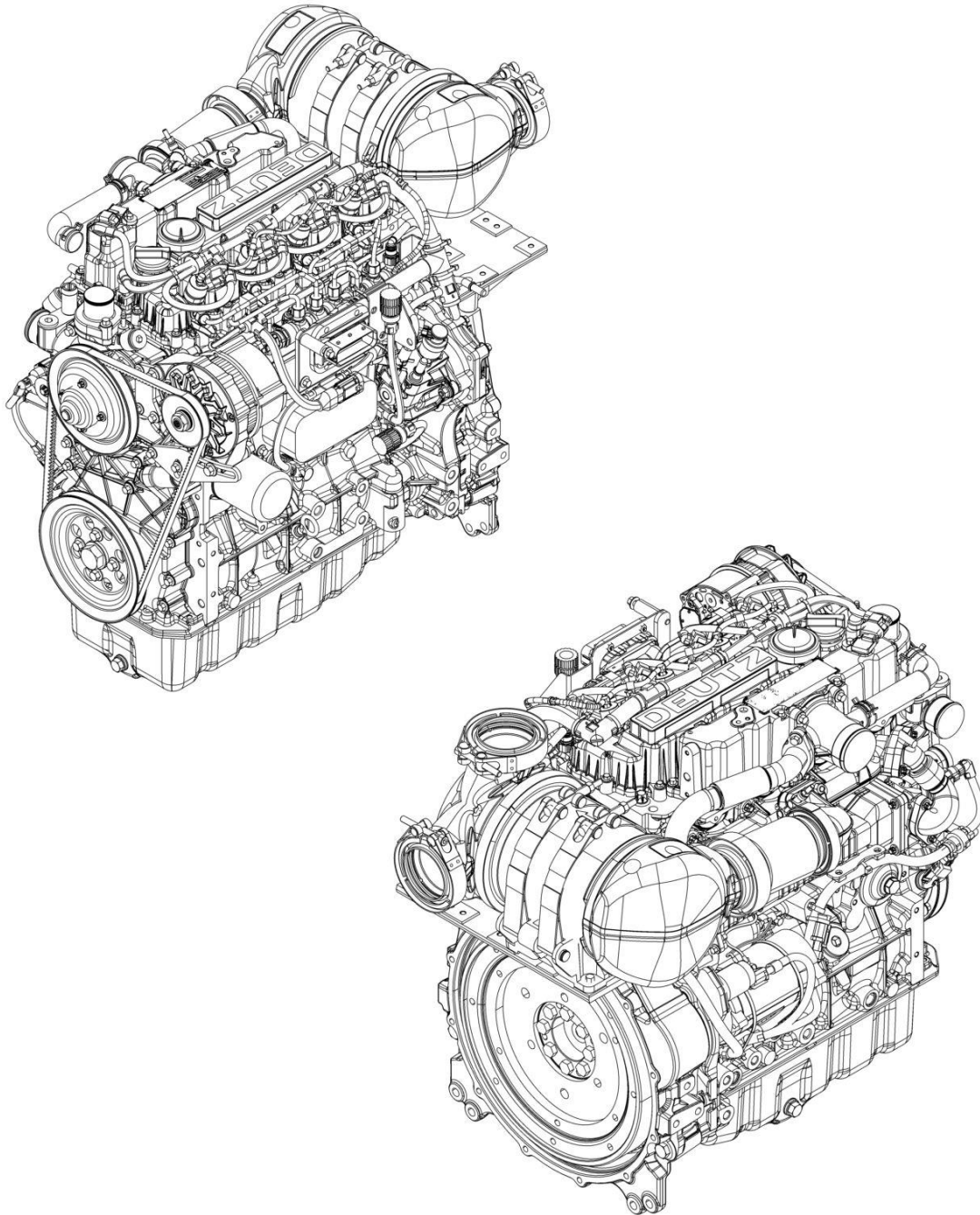
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	4812200	6	Washer M14	
50	5241200	3	Washer M12	
51	5250810	2	Bolt M8 x 20	
52	8405007	2	Clamp	
53	8405009	5	Clamp	
54	8405104	4	Clamp	
55	8405202	1	Clamp	
56	8405204	1	Clamp	
57	8406109	1	Clip	
58	8406110	1	Clip	
59	8406201	1	Clip	
60	1001117308	1	Relay, 200Amp	
60	3300220	2	Nut	
60	3321001	2	Nut #10	
60	4761000	2	Washer #10	
60	100111424	2	Washer	
61	1001118878	1	Bolt M6 x 55	
62	1001136834	1	Cap, Tank	
63	1001138228	1	Relay, Power Module	
63	70023592	1	Fuse 20AMP	
63	70023593	1	Fuse 30AMP	
64	1001138248	4 ft/1 m	Hose	
65	1001139240	1	Bracket	
66	1001140312	1	Heater, Engine Block	
67	1001141304	1	Wire, Glow Fuse	
68	1001141694	1	Clamp	
69	1001143390	1	Indicator	
70	1001143797	1	Fitting, Pipe Straight	
71	1001144116	1	Spacer, Fan	
72	1001152489	1	Fitting, Pipe 90	
73	1001165388	1	Filter, Air Cleaner	
74	1001165405	1	Hose	
75	1001165406	1	Hose	
76	1001165721	1	Hose	
77	1001165722	1	Radiator	
78	1001165849	1	Fan	
79	1001166718	3	Isolator	
80	1001166921	1	Plate	
81	1001166924	1	Plate	
82	1001167520	1	Support	
83	1001168018	3	Washer, Special	
84	1001168026	1	Plate	
85	1001168099	1	Hose	
86	1001168166	2	Seal	
87	1001169054	4	Isolator, Radiator	
88	1001169138	4	Pad	
89	1001169967	2	Bracket	
90	1001170035	2	Bracket	
91	1001177359	1	Hose	
92	1001178788	1	Cable, Alternator	
93	1001178876	1	Mount	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
94	1001179903	1	Bracket	
95	1001180620	AR	Adhesive	
96	1001181895	AR	Adhesive	
97	1001191620	1	Clamp	
98	1001230635	1	Tank, Surge Assembly (Includes Items 96A-96D)	
98A	0100020	AR	Sealant, Pipe	
98B	1001134488	1	Fitting, Barbed	
98C	1001138827	1	Sensor, Coolant Level	
98D	1001140564	1	Fitting, Barbed 90	
99	1001235949	1	Bracket Assembly Fuel Pump/Filter (Not Shown - See Separate Breakdown in this Section)	
100	1001260412	1	Bracket	
101	1001260420	1	Bracket	
102	1001276643	1	Engine Harness (See Separate Breakdown in ELECTRICAL Section)	
103	1001281985	1	Connector	
104	1001281986	1	Connector	
105	1001291401	1	Tag, Coolant	
106	1001302954	1	Engine, Deutz D2.9L4 ERM5 (See Separate Breakdown in this Section)	

SECTION 3 - ENGINE

FIGURE 3-20. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)



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SECTION 3 - ENGINE

FIGURE 3-20. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)

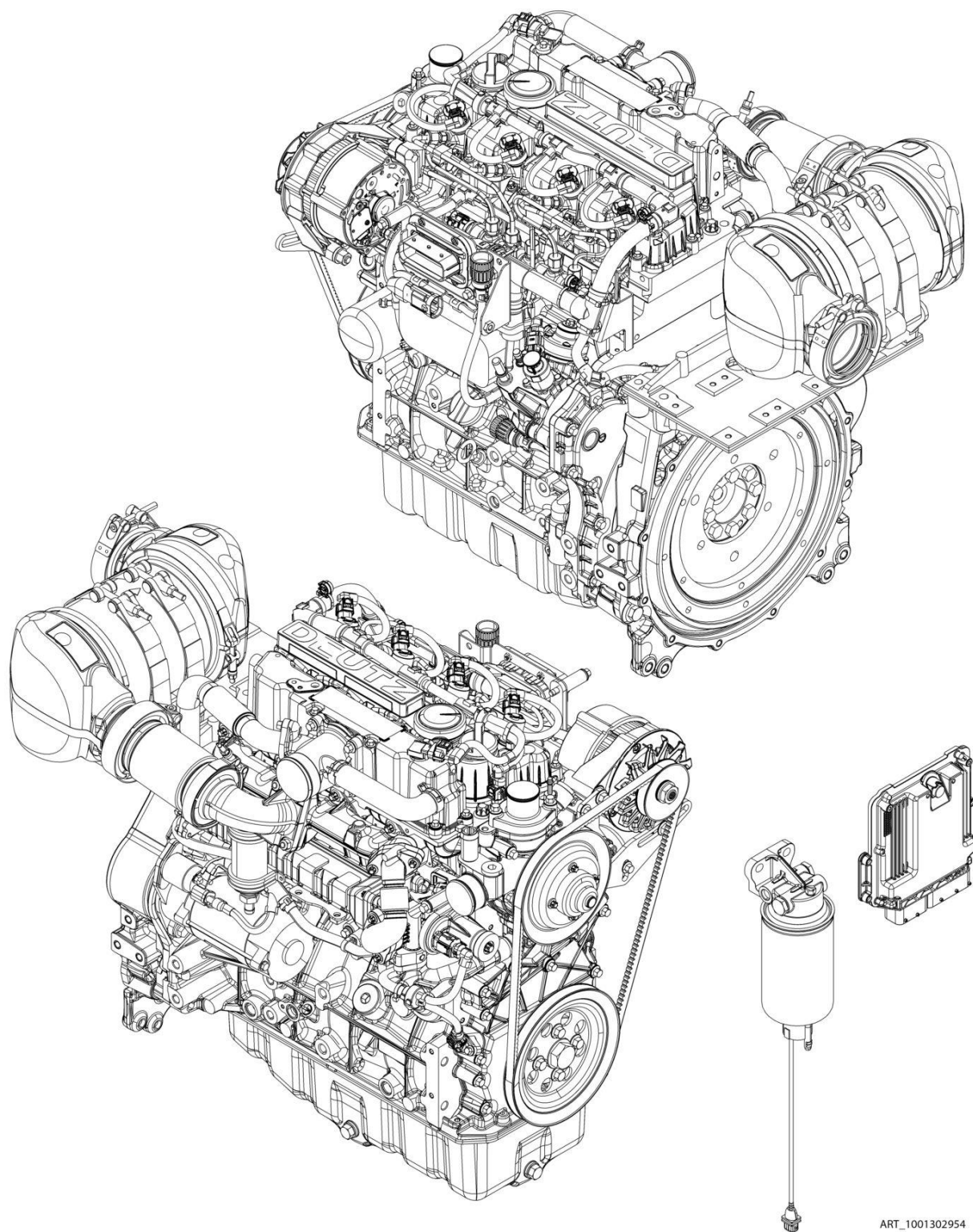
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249965	Ref	DEUTZ D2.9L4 - EMR4 (49HP) ENGINE COMPONENTS	B
	See Note	Ref	Note: Contact JLG Customer Service for Availability of Additional Components.	
		Ref	Air Intake System	
	70005182	1	Charge Air Elbow	
	70005183	1	Breather Line	
		Ref	Cooling System Components	
	70030360	1	Pump, Coolant	
	70007603	1	Thermostat	
		Ref	Electrical Components	
	70025210	1	Module, Engine Control (ECM/ECU)	
	70024513	1	Harness, Fuel Filter Sensor	
	70024504	1	Sensor, Fuel Pressure	
	70006652	1	Generator	
	70024915	1	Starter	
	70025231	1	Harness, Glow Plug	
	70028540	1	Sensor, Temperature	
	70026210	1	Sensor, Speed	
	70024507	1	Sensor, Pressure (Air Intake)	
	70031145	4	Plug, Glow	
		Ref	Exhaust Components	
	70031136	1	Pipe, Exhaust	
	70004282	1	Exhaust Manifold	
		Ref	Fuel System Components	
	70030381	1	Pump, High Pressure	
	700004508	1	Valve, Volume Control	
	70004281	1	Injector, Fuel	
	70006144	1	Pump, Fuel Supply (Includes Qty 2 Mounting Clamps)	
	1001225430	1	Filter, Fuel (Pre-Filter) Assembly	
	70024961	1	Filter, Fuel	
	70025239	1	Seal	
	70024513	1	Cable, Sensor	
	70029451	1	Filter, Fuel	
		Ref	Gasket & Seal Components	
	70024905	1	Seal, Dipstick	
	70005942	2	Seal, Oil Plug	
	70024906	1	Gasket, Head	
	70005171	1	Gasket, Valve Cover	
	70002718	1	Seal, Rear Main	
	70025135	1	O-Ring, Oil Lube Pump	
	70005173	1	Gasket, Oil Lube Pump	
	70024925	1	Seal, Oil Cooler	
	70005177	1	Gasket, Charge Air Housing	
	70025200	1	O-Ring, Coolant Pump	
	70007325	1	Seal, Coolant Pump	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Seal, Thermostat	
	70025164	1	Gasket, Exhaust Manifold to Head	
	70007354	1	Gasket, Short Exhaust Pipe to JLG supplied Exhaust	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70007326	1	Gasket EGR Valve	
	70031095	1	Gasket, Exhaust Return Pipe (to Air Intake Housing)	
		Ref	Other Components	
	70001870	1	Flywheel	
	7024579	1	Gear, Ring	
		Ref	Oil Lube System	
	7020465	1	Cap, Oil Fill	
	70024904	1	Dipstick	
	70005941	2	Plug, Oil (Includes Seal)	
	70005172	1	Pump, Oil Lube (Includes O-Ring & Gasket)	
	70024494	1	Oil Cooler	
	7016331	1	Filter, Oil	

SECTION 3 - ENGINE

FIGURE 3-21. ENGINE COMPONENTS - DEUTZ D2.9L4 ERM5 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)



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SECTION 3 - ENGINE

FIGURE 3-21. ENGINE COMPONENTS - DEUTZ D2.9L4 ERM5 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)

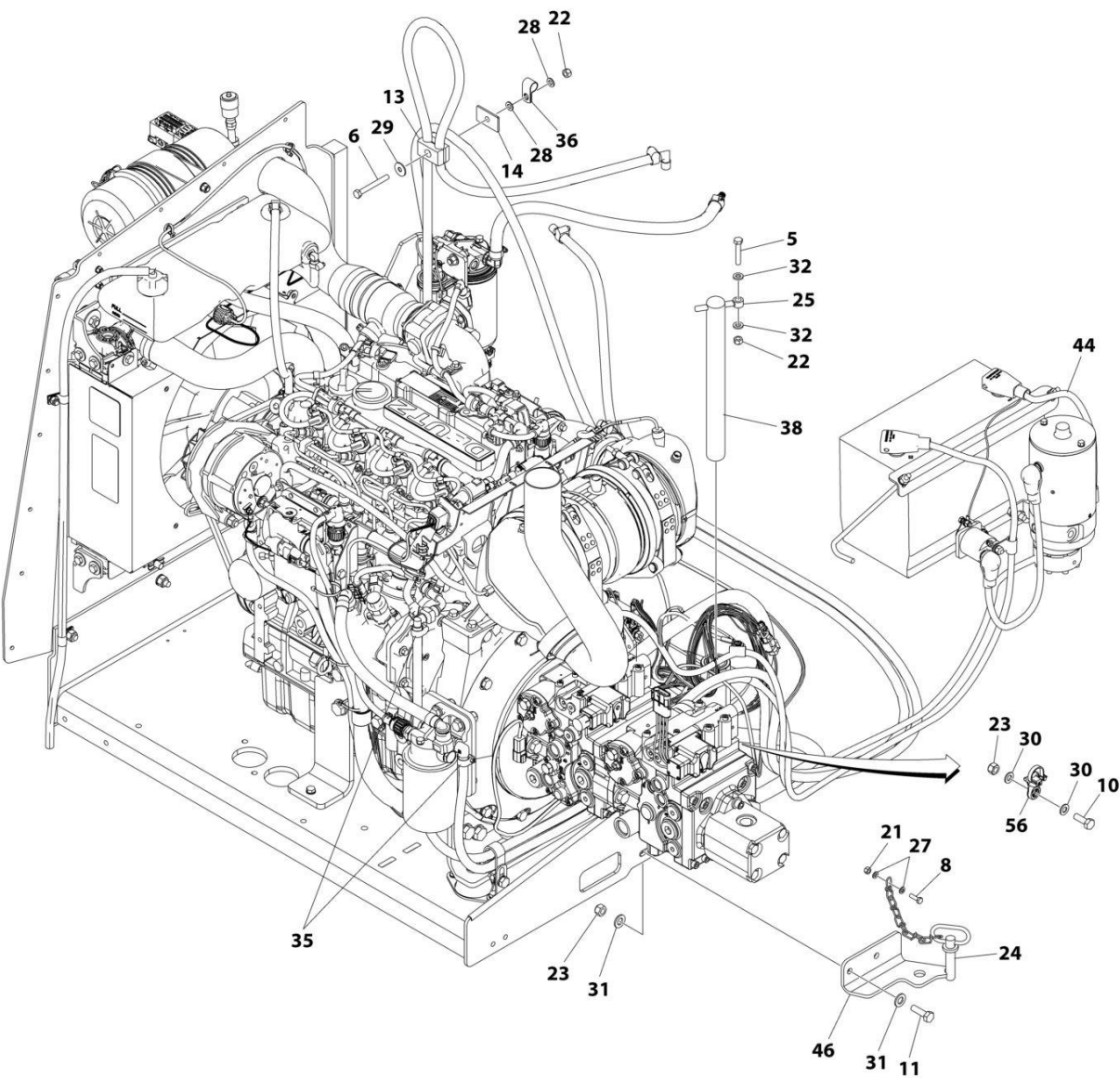
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302954	Ref	ENGINE COMPONENTS - DEUTZ D2.9L4 ERM5 ENGINE	A
	See Note	Ref	Note: Contact JLG Customer Service for availability for addition components.	
		Ref	AIR INTAKE SYSTEM	
	70005180	1	Breather Line	
	70005182	1	Charge Air Elbow	
		Ref	COOLING SYSTEM COMPONENTS	
	70030360	1	Pump, Coolant	
	70007603	1	Thermostat	
		Ref	ELECTRICAL COMPONENT	
	70031144	1	Starter	
	NPN	1	Generator	
	70024507	1	Sensor, Pressure (Air Intake)	
	70026210	1	Sensor, Speed	
	70025231	1	Harness, Glow Plug	
	70024919	1	Sensor, Fuel Filter	
	70024504	1	Sensor, Pressure	
	70028540	1	Transmitter, Temperature	
	70029512	1	Module, Engine Control	
	70031143	1	Regulator, Voltage	
		Ref	EXHAUST COMPONENT	
	70004282	1	Exhaust Manifold	
	70031136	1	Pipe, Exhaust	
	70012257	1	Valve, Exhaust	
	70004508	1	Valve, Volume Control	
		Ref	FUEL SYSTEM COMPONENT	
	70030381	1	Pump, High Pressure	
	70004281	1	Injector, Fuel	
	NPN	1	Pump, Fuel Supply (Includes qty 2 Clamps)	
	70024961	1	Filter, Fuel	
	1001225430	1	Filter, Fuel (Pre-Filter)	
	70024513	1	Cable, Sensor	
	70025239	1	Seal	
	70029451	1	Filter, Fuel	
	1001225431	1	Filter, Fuel (Spin-On)	
	70024502	1	Pipe, Fuel	
		Ref	GASKET AND SEAL COMPONENT	
	70024905	2	Seal, Dipstick	
	70005942	1	Seal, Oil Plug	
	70005171	1	Gasket, Valve Cover	
	70024906	1	Gasket, Head	
	70002718	1	Seal, Rear Main	
	70005177	1	Gasket, Charge Air Housing	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Seal, Thermostat	
	70025164	1	Gasket, Exhaust Manifold to Head	
	70007326	1	Gasket, EGR Valve	
	70031095	1	Gasket, Exhaust Return Pipe	
	70007354	1	Gasket, Short Exhaust Pipe	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	OTHER COMPONENT	
	70001870	1	Flywheel (Includes Ring Gear)	
	7024579	1	Gear, Ring	
		Ref	OIL LUBE SYSTEM	
	70024904	1	Dipstick	
	70024905	1	Cap, Oil Fill	
	70005941	1	Plug, Oil	
	70005172	1	Pump, Oil Lube	
	7016331	1	Filter, Oil	
	70024494	1	Oil Cooler	

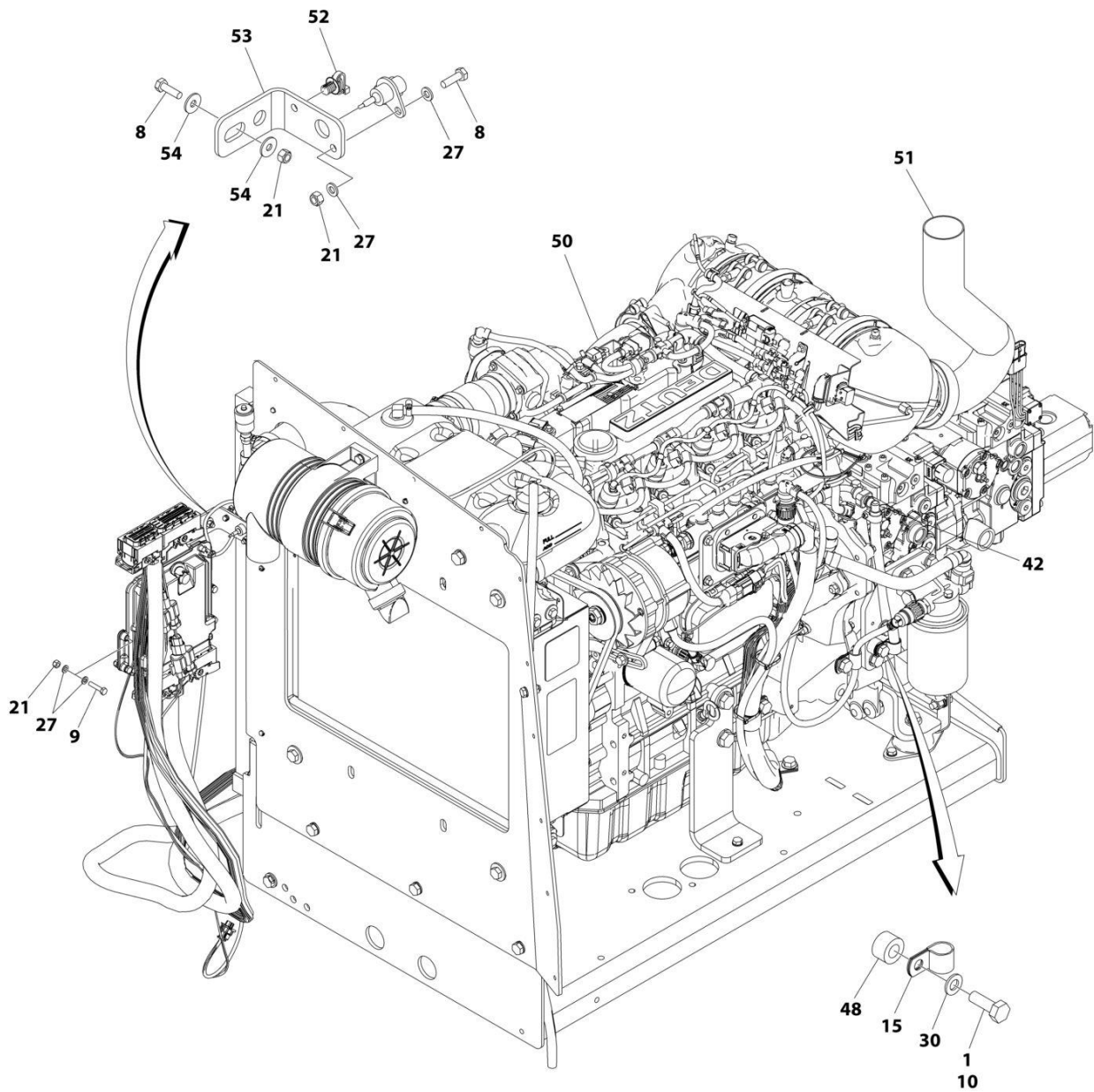
SECTION 3 - ENGINE

FIGURE 3-22. ENGINE INSTALLATION - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)



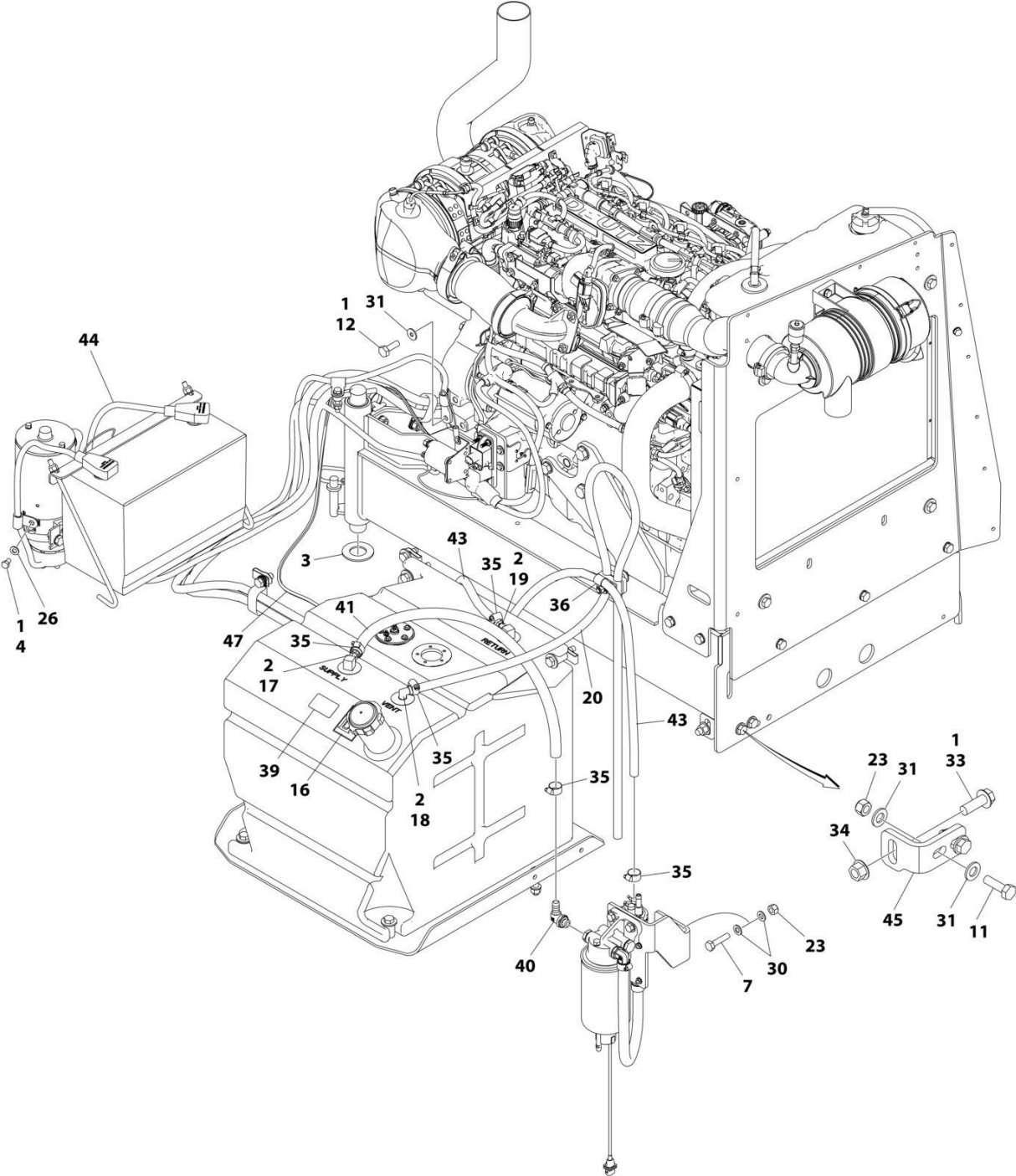
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SECTION 3 - ENGINE



ART_1001244288_G_2OF3

SECTION 3 - ENGINE



ART_1001244288_G_3OF3

SECTION 3 - ENGINE

FIGURE 3-22. ENGINE INSTALLATION - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

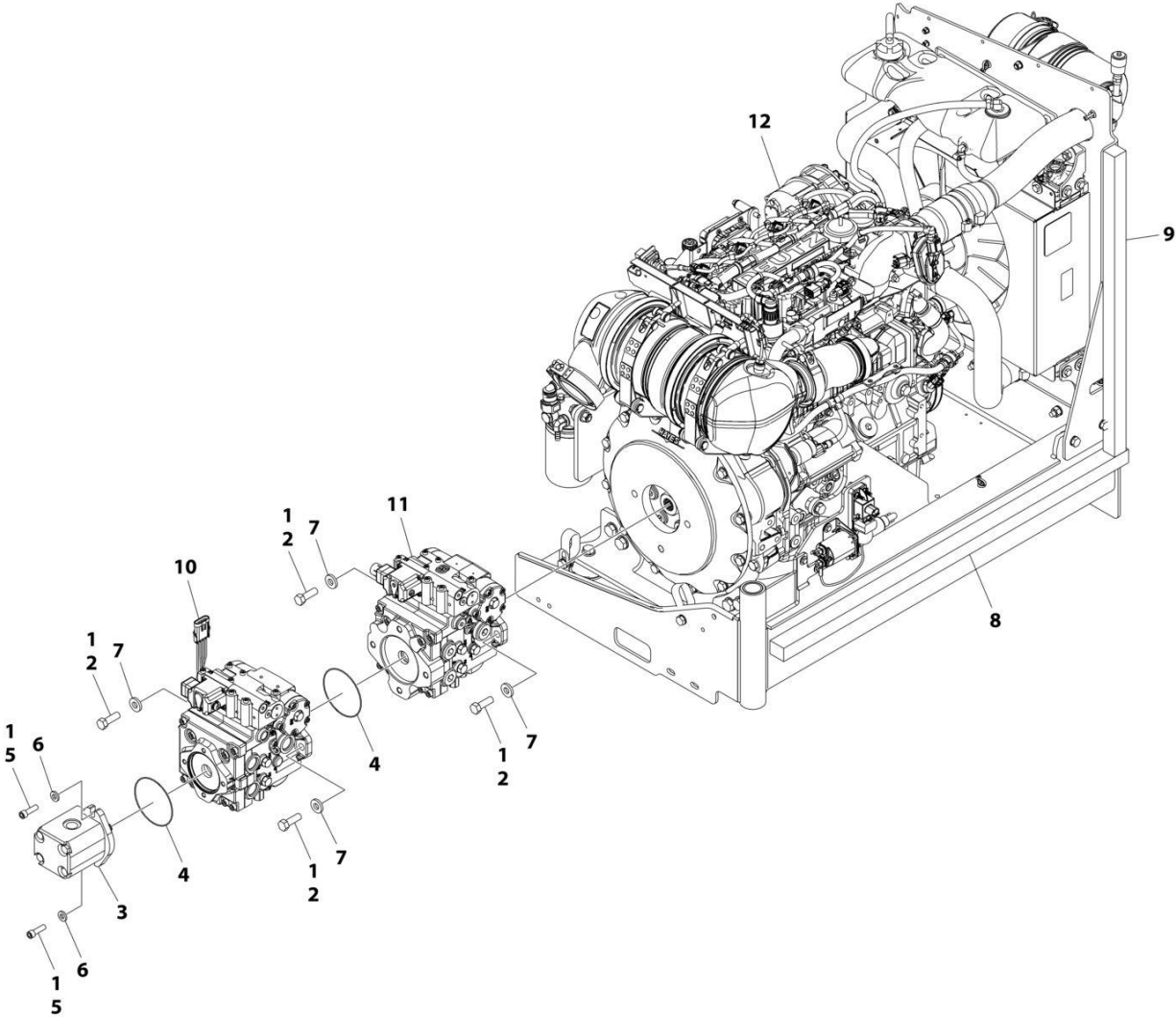
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244288	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 (STAGE V) ENGINE	G
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0700822	1	Bolt M8 x 70	
7	0701017	2	Bolt M10 x 45	
8	0760610	4	Bolt M6 x 20	
9	0760613	4	Bolt M6 x 28	
10	0761014	2	Bolt M10 x 30	
11	0761015	4	Bolt M10 x 35	
12	0771212	1	Bolt M12 x 25	
13	1320187	1	Clamp	
14	1320190	1	Clamp	
15	1320061	1	Clamp	
16	1701505	1	Decal - Diesel Fuel	
17	2180832	1	Fitting, Barbed	
18	2220313	1	Fitting, Barbed 90	
19	8430007	1	Coupling	
20	2750532	5.5 ft /1.69m	Hose	
21	3290605	8	Nut M6	
22	3290805	2	Nut M8	
23	3291005	7	Nut M10	
24	3422532	1	Pin	
25	3841143	1	Keeper, Pin	
26	4711500	1	Washer, 5/16	
27	4811700	12	Washer, M6	
28	4811900	2	Washer, M8	
29	4811902	1	Washer, M8	
30	4812000	7	Washer, M10	
31	4812100	9	Washer, M12	
32	5240800	2	Washer, M8 Hardened	
33	5251215	1	Bolt M12 x 35	
34	5261200	1	Nut, Flange M12 Class10	
35	8405006	7	Clamp	
36	8406101	1	Clip	
38	1001135196	1	Pin	
39	1001139654	1	Decal, Ultra Low Sulfur Fuel	
40	1001142501	1	Fitting, Barbed 90	
41	1001154405	2.29 ft /0.70m	Hose	
42	1001155823	1	Coupling, Quick Disconnect 90	
43	1001165035	21.06 ft /6.42m	Hose	
44	1001166970	1	Battery and Auxiliary Power Pump Cable Kit	
45	1001167512	1	Bracket, Engine Tray	
46	1001169823	1	Plate, Engine Lock	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001173342	1	Harness, Fuel Pump (See Separate Breakdown in ELECTRICAL Section)	
48	1001220266	1	Bar, Spacer M12 x 12	
50	1001277601	1	Engine Assy, Deutz Stage V W/Pumps (See Separate Breakdown in this Section)	
51	1001245305	1	Pipe, Exhaust	
52	1001146588	2	Strap	
53	1001256879	1	Bracket	
54	4811702	4	Washer M6	
55	1062255	AR	Tie-Strap (Not Shown)	
56	1001156107	1	Holder	

SECTION 3 - ENGINE

FIGURE 3-23. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)



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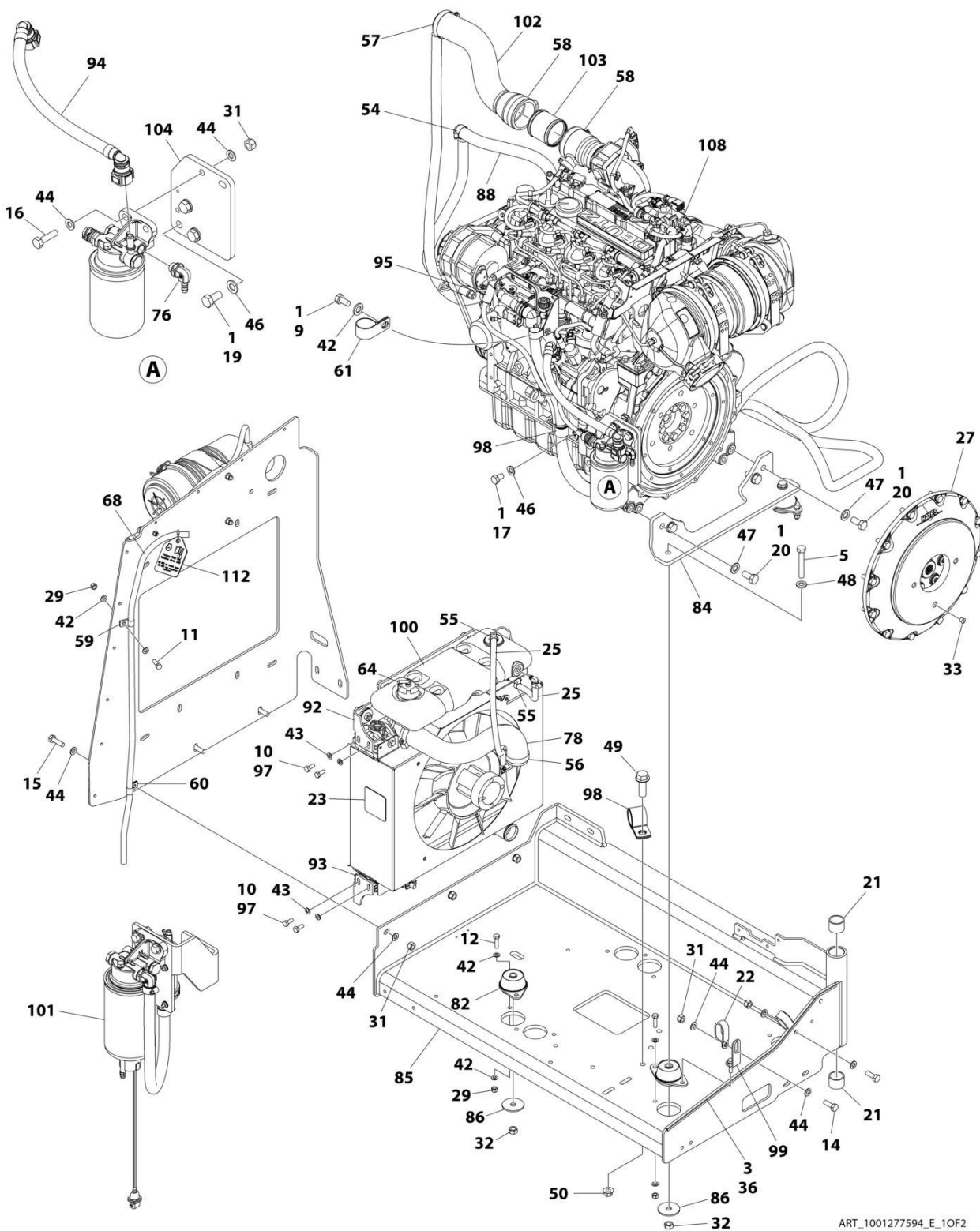
SECTION 3 - ENGINE

FIGURE 3-23. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277601	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE	B
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
3	3600242	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
4	3790045	2	O-Ring	
5	3931620	2	Capscrew, 3/8 x 1-1/4	
6	4891600	2	Washer, 3/8 Hardened	
7	4891800	4	Washer 1/2 Hardened	
8	1001171953	1	Seal	
9	1001171954	1	Seal	
10	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
11	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	
12	1001277594	1	Engine Assembly, Deutz (Stage V) Engine (See Separate Breakdown in this Section)	

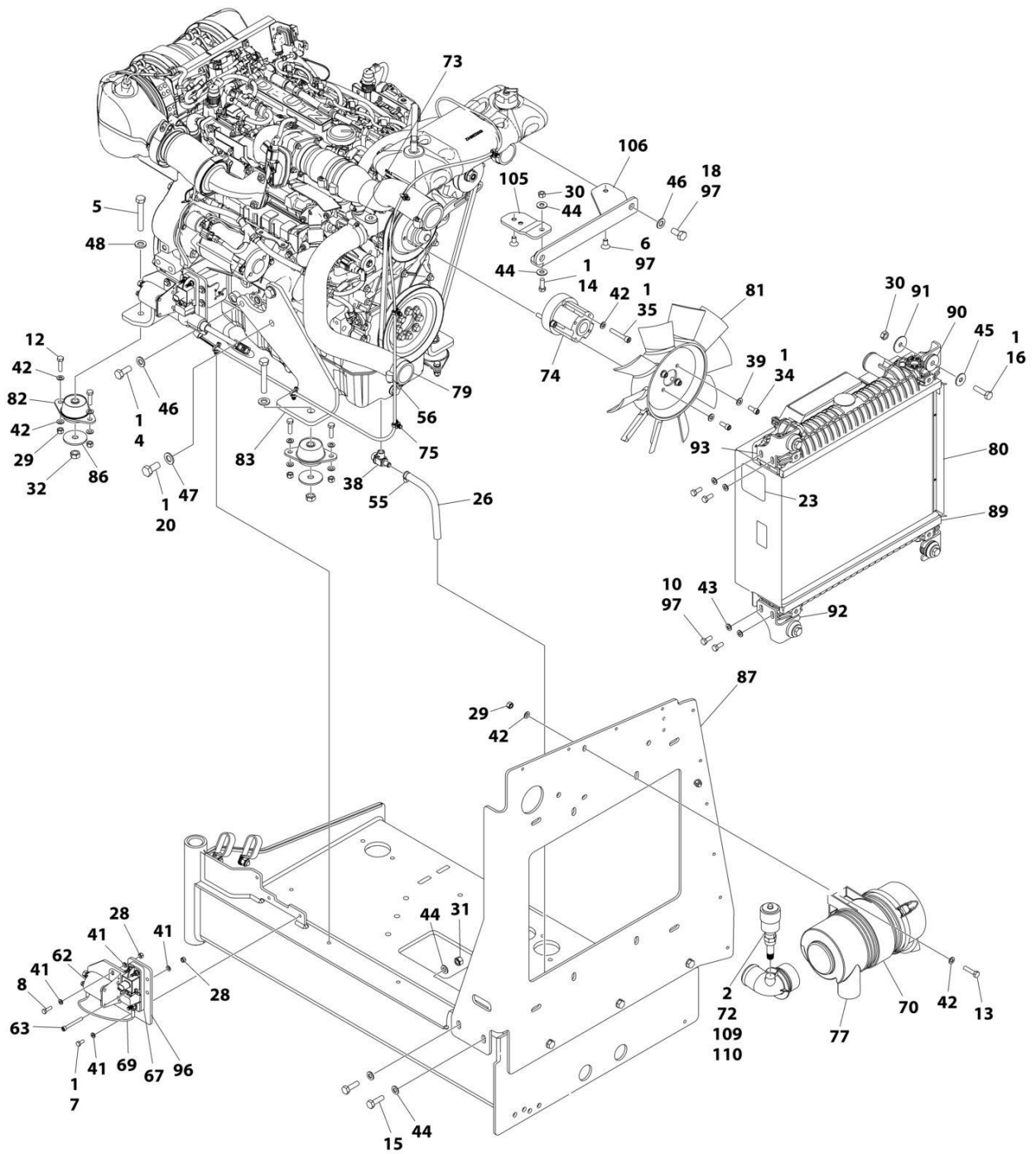
SECTION 3 - ENGINE

FIGURE 3-24. ENGINE ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)



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SECTION 3 - ENGINE



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SECTION 3 - ENGINE

FIGURE 3-24. ENGINE ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277594	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 (STAGE V)	E
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0711214	1	Bolt M12 x 30 Class 10.9	
5	0711224	3	Bolt M12 x 80 Class 10.9	
6	0741606	2	Screw 3/8 x 3/4	
7	0760607	3	Bolt M6 x 14	
8	0760610	2	Bolt M6 x 20	
9	0760808	1	Bolt M8 x 16	
10	0760810	8	Bolt M8 x 20	
11	0760812	1	Bolt M8 x 25	
12	0760814	6	Bolt M8 x 30	
13	0760815	2	Bolt M8 x 35	
14	0761014	3	Bolt M10 x 30	
15	0761015	5	Bolt M8 x 35	
16	0761016	6	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771212	3	Bolt M12 x 25	
20	0771414	6	Bolt M14 x 30 Class 10.9	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
25	2720015	2 ft /1 m	Hose	
26	2720340	1 ft/1 m	Hose	
27	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
28	3290605	3	Nut M6	
29	3290805	9	Nut M8	
30	3291001	5	Nut M10	
31	3291005	9	Nut M10	
32	3331215	3	Nut M12 x 1.75	
33	3520054	1	Plug	
34	3931512	4	Capscrew, 5/16 x 3/4	
35	4031914	4	Bolt M8 x 50	
36	4060805	3 ft /1 m	Flex-Trim	
37	4240099	AR	Tie-Strap (Not Shown)	
38	4640751	1	Valve, Oil Drain	
39	4711500	4	Washer 5/16	
40	4811700	2	Washer M6	
41	4811702	8	Washer M6	
42	4811900	23	Washer M8	
43	4811902	8	Washer M8	
44	4812000	20	Washer M10	
45	4812002	4	Washer M10	
46	4812100	7	Washer M12	
47	4812200	6	Washer M14	
48	5241200	3	Washer M12	
49	5251215	1	Bolt M12 x 35	

SECTION 3 - ENGINE

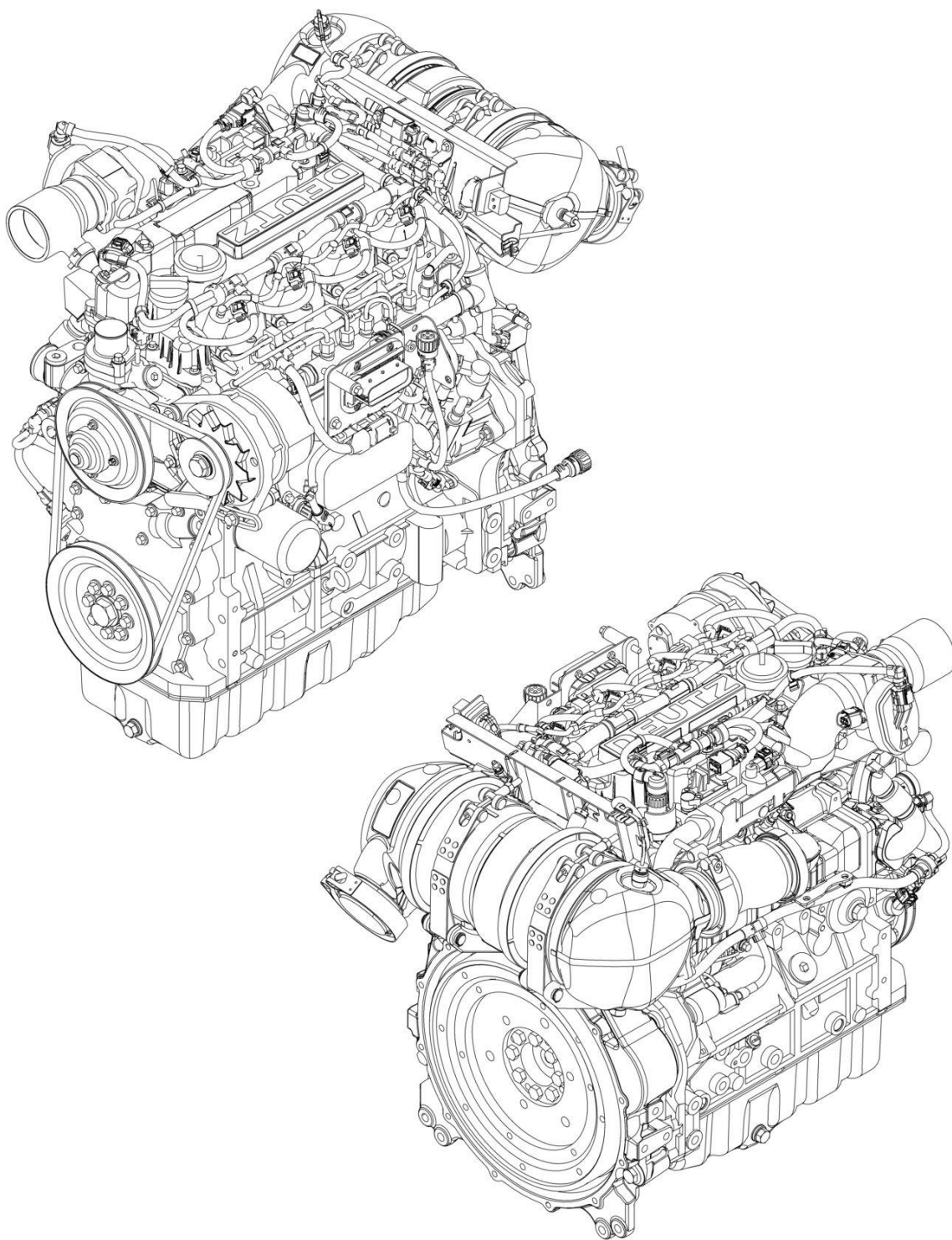
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	5261200	1	Nut, Flange M12 Class10	
54	8405007	2	Clamp	
55	8405009	5	Clamp	
56	8405104	4	Clamp	
57	8405202	1	Clamp	
58	8405204	2	Clamp	
59	8406109	1	Clip	
60	8406110	1	Clip	
61	8406201	1	Clip	
62	1001117308	1	Relay, 200Amp	
63	1001118878	1	Bolt M6 x 55	
64	1001136834	1	Cap, Tank	
67	1001138228	1	Relay, Power Module	
68	1001138248	4 ft/1 m	Tube	
69	1001141304	1	Harness, Glow Plug	
70	1001141694	1	Clamp, Air Cleaner	
72	1001143390	1	Indicator	
73	1001143797	1	Fitting, Barbed	
74	1001144116	1	Spacer, Fan	
75	1001146588	AR	Tie-Strap (Not Shown)	
76	1001152489	1	Fitting, Barbed 90	
77	1001165388	1	Air Cleaner Assembly	
78	1001165405	1	Hose, Upper Radiator	
79	1001165406	1	Hose, Lower Radiator	
80	1001165722	1	Radiator	
81	1001165849	1	Fan	
82	1001166718	3	Mount, Motor	
83	1001166921	1	Plate, Engine Mount	
84	1001166924	1	Plate, Engine Mount	
85	1001167520	1	Tray, Engine	
86	1001168018	3	Washer, Special	
87	1001168026	1	Plate, Radiator Mounting	
88	1001168099	1	Hose	
89	1001168166	2	Seal	
90	1001169054	4	Isolator	
91	1001169138	4	Washer, Snubbing	
92	1001169967	2	Bracket	
93	1001170035	2	Bracket	
94	1001177359	1	Hose	
95	1001178788	1	Cable, Alternator	
96	1001179903	1	Bracket	
97	1001180620	AR	Adhesive	
98	1001191620	2	Clamp	
99	1001223122	1	Support	
100	1001230635	1	Tank, Surge (Includes Items 62, 70, & 73)	
101	1001235949	1	Bracket (See Separate Breakdown in this Section)	
102	1001236780	1	Hose, Air Intake	
103	1001238911	1	Pipe, Air Intake	
104	1001258804	1	Mount, Fuel Filter	
105	1001260412	1	Bracket	
106	1001260420	1	Bracket (note: may require P/N 1001260412)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
107	1001276643	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
108	1001277589	1	Engine, Deutz 2.9L4 (Stage V) (See Separate Breakdown in this Section)	
109	2200261	1	Fitting	
110	1001277432	1	Spacer	
111	4240032	1	Tie-Strap (Not Shown)	
112	1001291401	1	Tag, Coolant	

SECTION 3 - ENGINE

FIGURE 3-25. ENGINE COMPONENTS - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)



ART_1001277589

SECTION 3 - ENGINE

FIGURE 3-25. ENGINE COMPONENTS - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

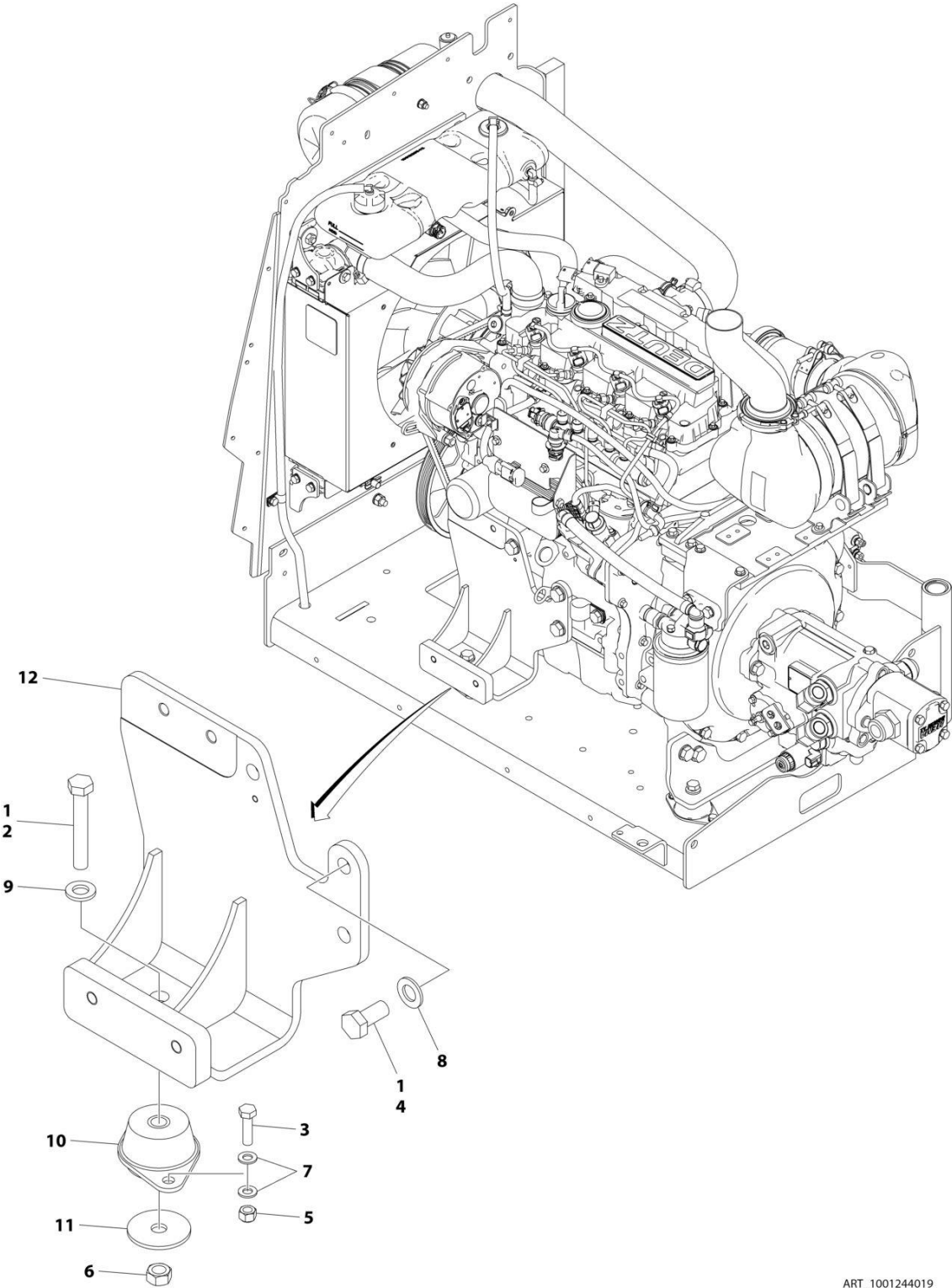
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277589	Ref	DEUTZ ENGINE COMPONENTS	B
	SEE NOTE	1	Note: Additional components may be available. Contact JLG Customer Service for more details.	
		Ref	COOLING SYSTEM COMPONENTS	
	70031474	1	Cooler, Oil	
	70031388	1	Seal, Oil Cooler	
	70030360	1	Pump, Coolant (Includes Gaskets & Seals)	
	70031055	1	O-Ring, Coolant Pump	
	70007325	1	Gasket	
	70007603	1	Thermostat	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Gasket, Thermostat	
		Ref	ELECTRICAL SYSTEM COMPONENTS	
	70024513	1	Cable, Primary Fuel Filter Sensor (Includes Seal)	
	70025239	1	Seal	
	70028538	1	Sensor, Fuel Pressure (at Filter) (Includes Seal)	
	70024920	1	Seal	
	70029512	1	Module, ECU/ECM	
	70027405	1	Senor, Exhaust Temperature	
	70031144	1	Starter	
	70008435	1	Generator (includes Regulator)	
	70031143	1	Regulator	
	70000345	4	Plug, Glow	
	70025231	1	Harness, Glow Pug	
	70008553	1	Cable, Interconnect	
	70008558	1	Harness, Engine	
	1001211556	1	Sensor, Temperature (Includes O-Seal)	
	70005507	1	O-Seal	
	70028540	1	Sensor, Temperature (in Cylinder Head)	
	70024504	1	Sensor, Oil Pressure (Side of Block) (Includes Seal)	
	70024920	1	Seal	
	70026210	2	Sensor, Speed (Includes O-Ring/Seal)	
	70005191	1	O-Ring	
	70024917	1	Seal	
	70008559	1	Sensor, Air Pressure (Air Exchange Manifold) (Includes O-Ring)	
	70008561	1	Sensor, Air Pressure (Air Exchange Manifold) (Includes O-Ring)	
	70024505	1	Sender, Exhaust Temperature	
	70029409	1	Sender, Exhaust Temperature	
	70008431	1	Sensor, Exhaust Pressure	
		Ref	EXHAUST SYSTEM COMPONENTS	
	70025130	8	Bolt, Exhaust Manifold	
	70025164	1	Gasket, Exhaust Manifold to Head	
	70005505	2	O-Seal	
	70008543	1	Pipe, Exhaust	
	70008544	1	O-Seal, Exhaust (Venturi Tube to Exhaust Pipe)	
	70008545	1	Gasket, Square Exhaust	
	70005504	1	Sensor, Exhaust Pressure (Includes O-Seals)	
	70031136	1	Gasket, Exhaust (Upper)	
	70007354	1	Gasket, Exhaust (Lower)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70008547	1	Module, EGR (Includes Gasket)	
	70007326	1	Gasket	
	70025242	2	Gasket, Compensator	
	70004504	1	Compensator	
	70008564	1	Catalyst	
	Ref		FUEL SYSTEM COMPONENTS	
	1001225430	1	Filter, Primary Fuel	
	1001225431	1	Filter, Fuel	
	70030381	1	Pump, High Pressure	
	70025152	1	O-Ring (Between Pump AND Spacer)	
	70004505	1	Valve, Overflow (Includes O-Rings)	
	70004506	1	O-Ring	
	70004507	1	O-Ring	
	70004508	1	Valve, Volume Control (Includes O-Ring & Gasket)	
	70004509	1	O-Ring	
	70004510	1	Gasket	
	70004281	4	Injector, Fuel (Includes Sealing Washer & O-Ring)	
	70025140	1	Washer, Sealing	
	70025145	1	O-Rin	
	70008422	1	Pump, Fuel Supply (Includes Clamps)	
	70025144	2	Clamp	
	70008537	1	Valve, Throttle (Includes Gasket)	
	70008538	1	Gasket	
	Ref		GASKETS & SEAL & KITS	
	70024906	1	Gasket, Head	
	70005171	1	Gasket, Valve Cover	
	70002718	1	Seal, Rear Main	
	70028185	1	Gasket, Front Cover	
	70008296	1	Seal, Front Main	
	70025235	1	Kit, Repair - Fuel Rail	
	70005176	1	O-Ring, Charge Exchange Manifold	
	70005177	1	Gasket, Charge Exchange Manifold	
	70005938	1	Gasket Kit	
	Ref		LUBRICATION SYSTEM COMPONENTS	
	7016331	1	Filter, Oil	
	70024904	1	Dipstick (Includes O-Ring)	
	70024905	1	O-Ring, Dipstick	
	7020465	2	Cap, Oil Fill	
	70005941	1	Plug, Oil Drain	
	70005942	1	Washer, Oil Drain Plug	
	70005172	1	Pump, Oil Lube (Includes Gasket & O-Ring)	
	Ref		MECHANICAL COMPONENTS	
	70001870	1	Flywheel (Includes Ring Gear)	
	7024579	1	Gear, Ring	
	70024913	1	V-Belt	

SECTION 3 - ENGINE

FIGURE 3-26. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITHOUT GENERATOR)



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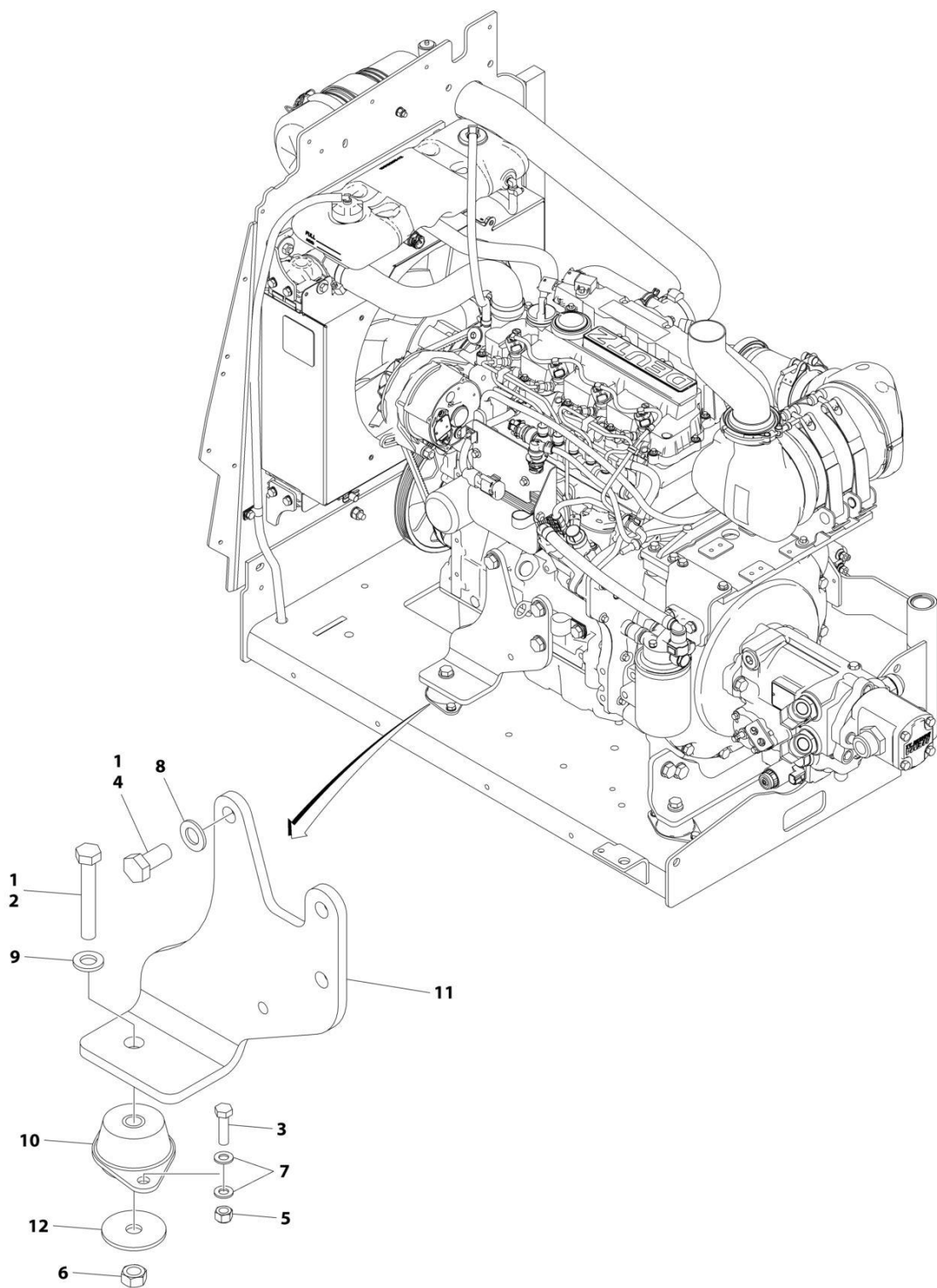
SECTION 3 - ENGINE

FIGURE 3-26. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITHOUT GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244019	Ref	MOTOR MOUNT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0760814	2	Bolt M8 x 30	
4	0771414	3	Bolt M14 x 30	
5	3290805	2	Nut M8	
6	3331211	1	Nut M12	
7	4811900	4	Washer M8	
8	4812200	3	Washer M14	
9	5241200	1	Washer M12	
10	1001166718	1	Mount, Motor	
11	1001168018	1	Washer	
12	1001168207	1	Mount	

SECTION 3 - ENGINE

FIGURE 3-27. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITH GENERATOR)



ART_1001244024

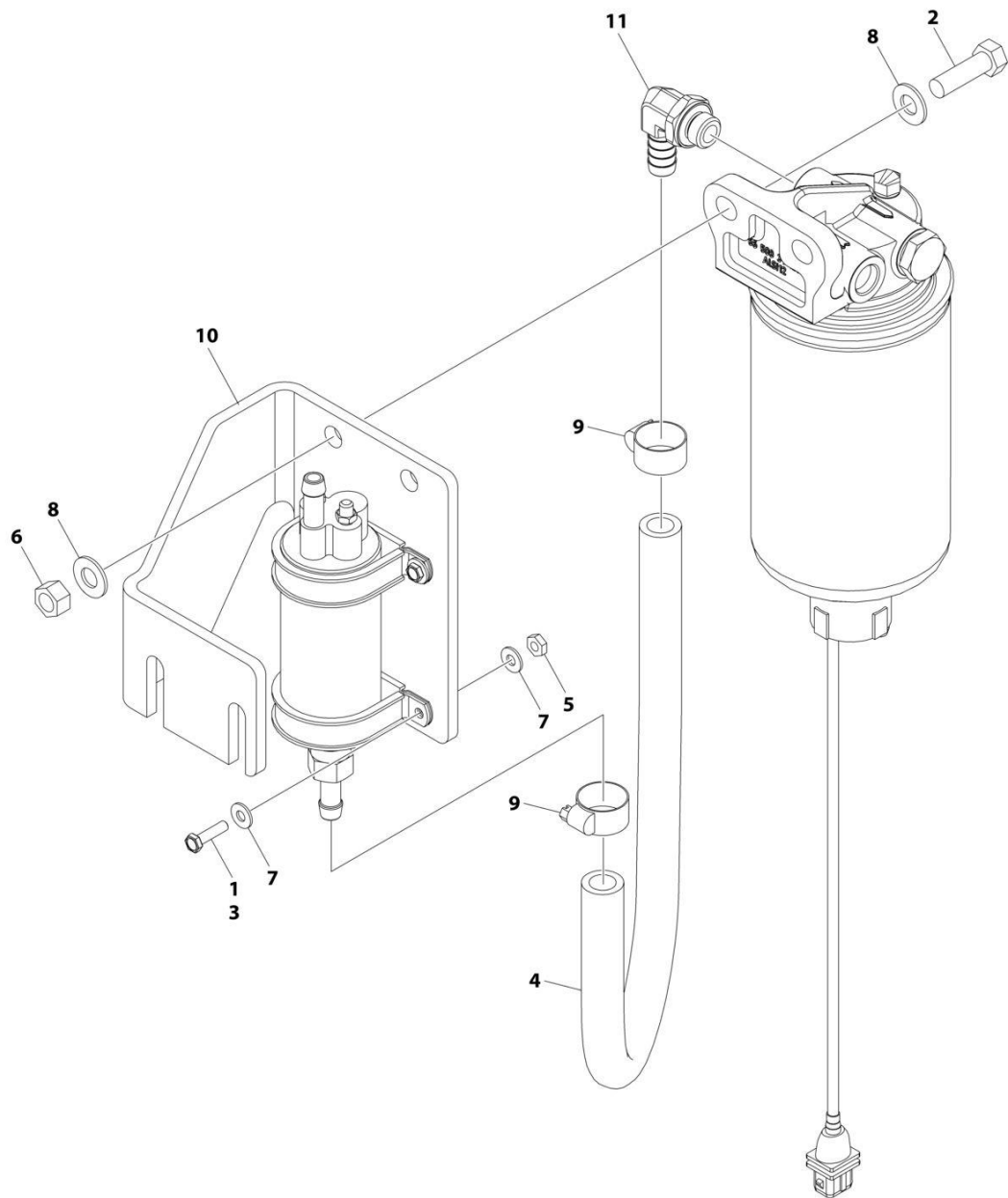
SECTION 3 - ENGINE

FIGURE 3-27. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITH GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244024	Ref	MOTOR MOUNT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0760814	2	Bolt M8 x 30	
4	0771414	3	Bolt M14 x 30	
5	3290805	2	Nut M8	
6	3331211	1	Nut M12	
7	4811900	4	Washer M8	
8	4812200	3	Washer M14	
9	5241200	1	Washer M12	
10	1001166718	1	Mount, Motor	
11	1001166922	1	Mount	
12	1001168018	1	Washer	

SECTION 3 - ENGINE

FIGURE 3-28. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)



ART_1001162335

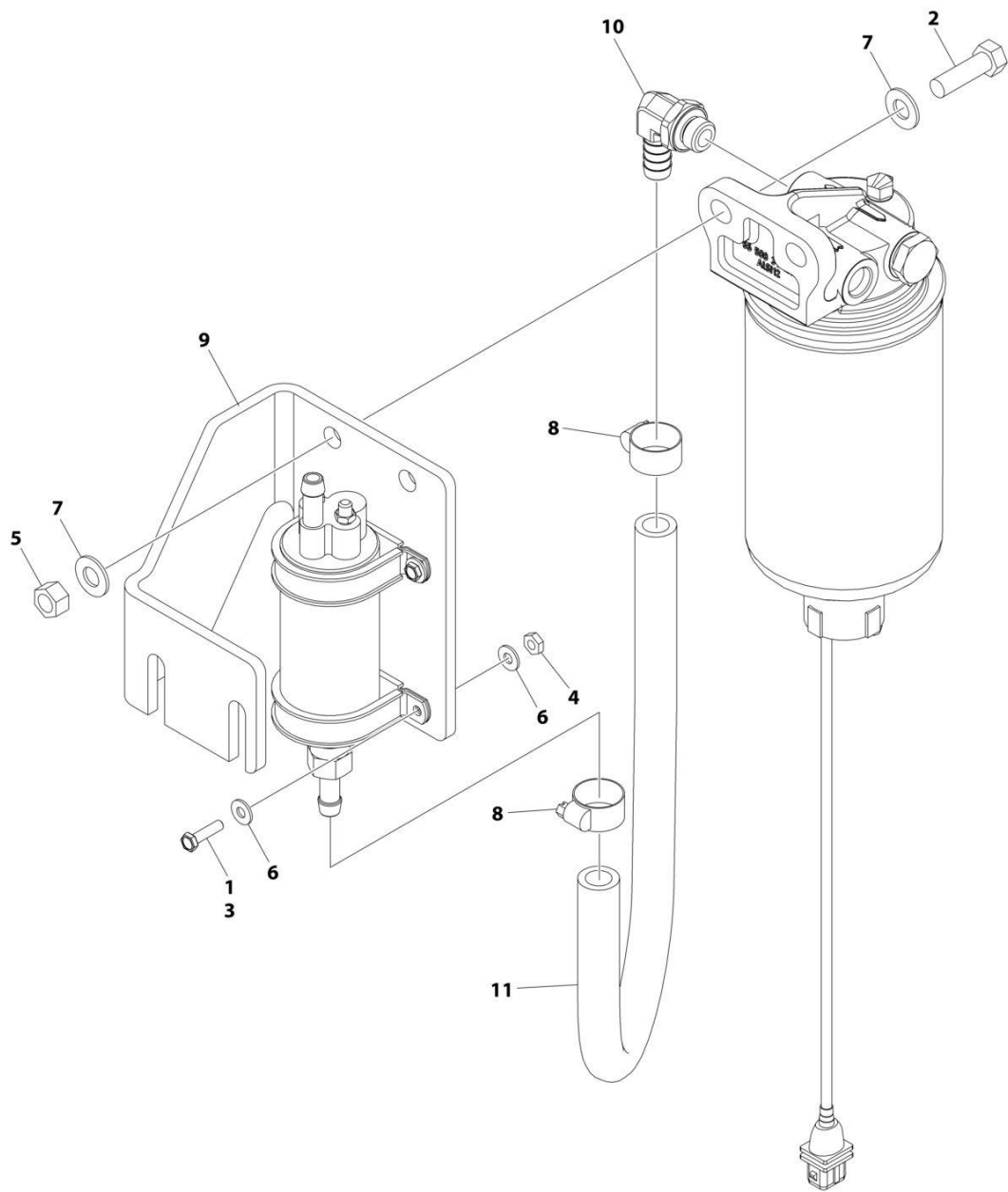
SECTION 3 - ENGINE

FIGURE 3-28. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162335	Ref	BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)	E
1	0100011	AR	Compound, Locking	
2	0641610	2	Bolt 3/8 x 1-1/4	
3	0721006	4	Bolt #10 x 3/4	
4	1001154405	AR	Hose	
5	3311001	4	Nut #10	
6	3311605	2	Nut 3/8	
7	4711000	8	Washer #10	
8	4711600	4	Washer 3/8	
9	8405006	2	Clamp	
10	1001141870	1	Plate, Fuel Pump Mount	
11	1001142501	1	Fitting, Elbow Barbed	

SECTION 3 - ENGINE

FIGURE 3-29. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 (STAGE V) ENGINE)



ART_1001235949

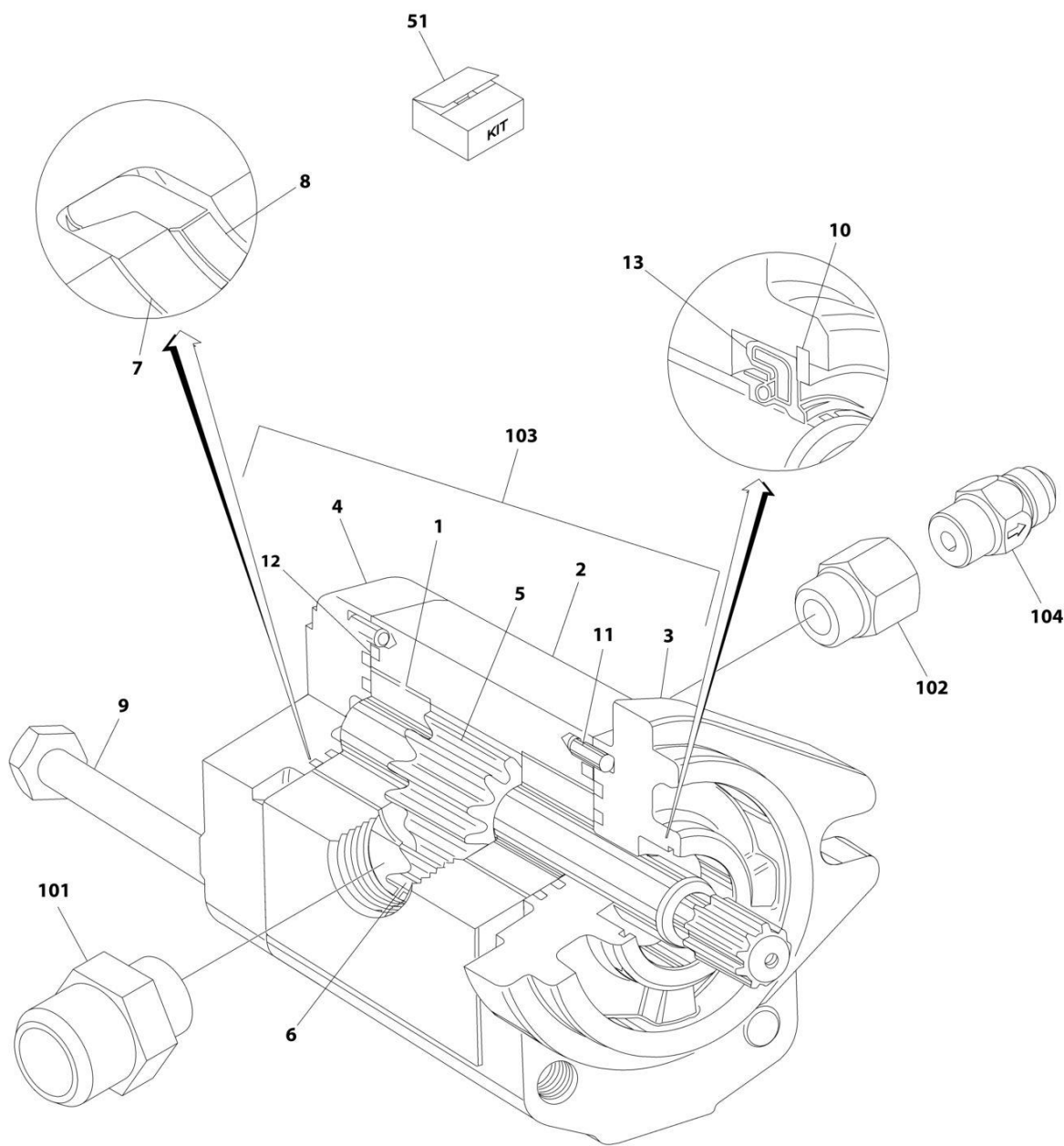
SECTION 3 - ENGINE

FIGURE 3-29. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 (STAGE V) ENGINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235949	Ref	BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 (STAGE V) ENGINE)	A
1	0100035	AR	Compound, Locking	
2	0641610	2	Bolt 3/8 x 1-1/4	
3	0721006	4	Bolt #10 x 3/4	
4	3311001	4	Nut #10	
5	3311605	2	Nut 3/8	
6	4711000	8	Washer #10	
7	4711600	4	Washer 3/8	
8	8405006	2	Clamp	
9	1001141870	1	Plate, Fuel Pump Mount	
10	1001142501	1	Fitting, Elbow Barbed	
11	1001154405	1.5 ft /0.4m	Hose	

SECTION 3 - ENGINE

FIGURE 3-30. GEAR PUMP ASSEMBLY



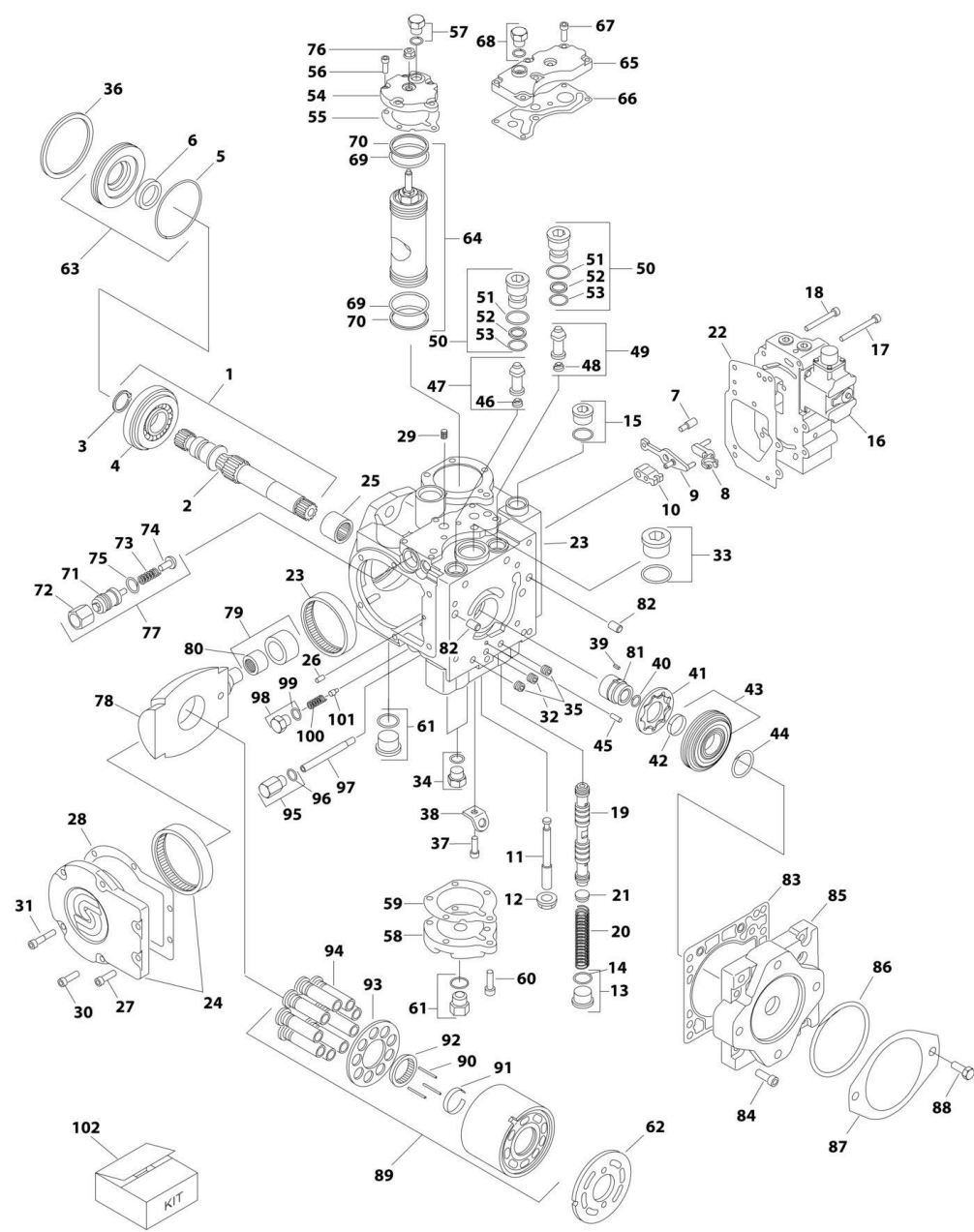
ART_3600242

FIGURE 3-30. GEAR PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3600242	Ref	GEAR PUMP ASSEMBLY	B
1	7010105	2	Bearing/Bushing	
2	See Note	NSS	Housing (Note: Use Item 3600242)	
3	See Note	NSS	Flange (Note: Use Item 3600242)	
4	7010103	1	Cover	
5	7012987	1	Gear, Drive	
6	7012988	1	Gear, Idler	
7	See Note	NSS	Ring, Anti-Extrusion (Note: Use Item 51)	
8	See Note	NSS	Seal (Note: Use Item 51)	
9	See Note	4	Bolt (Note: Not Available for Purchase)	
10	7010104	1	Ring, Retaining	
11	See Note	NSS	Pin, Dowel (Note: Not Available for Purchase)	
12	See Note	NSS	Seal, O-Ring (Note: Use Item 51)	
13	See Note	NSS	Seal, Shaft (Note: Use Item 51)	
51	7007489	1	Seal Kit (Includes Items 7, 8, 12 & 13)	
	3600395	Ref	GEAR PUMP AND FITTING ASSEMBLY	
101	2220376	1	Fitting, Straight	
102	2220810	1	Fitting, Reducer	
103	3600242	1	Pump (Includes Items 1 - 13)	
104	4640744	1	Fitting, Check Valve	

SECTION 3 - ENGINE

FIGURE 3-31. PISTON PUMP ASSEMBLY (FRONT)



ART_1001189237

SECTION 3 - ENGINE

FIGURE 3-31. PISTON PUMP ASSEMBLY (FRONT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189237	Ref	PISTON PUMP ASSEMBLY (FRONT)	B
1	7021240	1	Shaft Assembly (Includes Items 2-4)	
2	7021237	1	Shaft	
3	7021238	1	Ring, Retaining	
4	7021239	1	Bearing, Roller	
5	See Note	NSS	O-Ring (Use Item 102)	
6	See Note	NSS	Seal, Lip (Use Item 102)	
7	70005245	1	Screw	
8	7022331	1	Link, Control Summing	
9	7022332	1	Link, Control Feedback	
10	7022333	1	Link, Neutral Adjust	
11	70005246	1	Screw, Neutral Adjust	
12	See Note	NSS	Nut, Seal (Use Item 102)	
13	70005247	1	Plug (Includes Item 14)	
14	7022322	1	O-Ring	
15	7022321	1	Plug Assembly	
16	70005248	1	Controller, Electrical	
17	70005249	4	Screw M6 x 50	
18	70005250	3	Screw M6 x 60	
19	7022336	1	Spool Assembly	
20	70005251	1	Spring	
21	70005252	1	Adapter	
22	7022338	1	Gasket, Control	
23	7023999	1	Housing Assembly (Includes Items 25, 29, 32 & 35)	
24	7021248	1	Side Cover Assembly	
25	7021249	1	Bearing, Needle	
26	70005253	1	Pin	
27	70004890	2	Screw M6 x 20	
28	See Note	NSS	Gasket, Side Cover (Use Item 102)	
29	70005254	1	Screen, Filter	
30	70004892	2	Screw M6 x 30	
31	70004892	2	Screw M6 x 30	
32	70005255	1	Plug	
33	7007419	2	Plug Assembly	
34	7007420	2	Plug	
35	70005255	2	Plug	
36	7021257	1	Ring, Retaining	
37	70004890	1	Screw	
38	7022340	1	Bracket, Lifting	
39	70004893	1	Key	
40	7022341	1	Ring, Retaining	
41	7022343	1	Gerotor Assembly	
42	7021259	1	Bearing, Journal	
43	70004894	1	Gerotor Cover Assembly (Includes Item 42)	
44	7021262	1	O-Ring	
45	70005257	1	Pin	
46	7024800	1	Spring	
47	70005258	1	Valve, SCR (Includes Item 46)	
48	7024800	1	Spring	
49	70005259	1	Valve, SCR (Includes Item 48)	

SECTION 3 - ENGINE

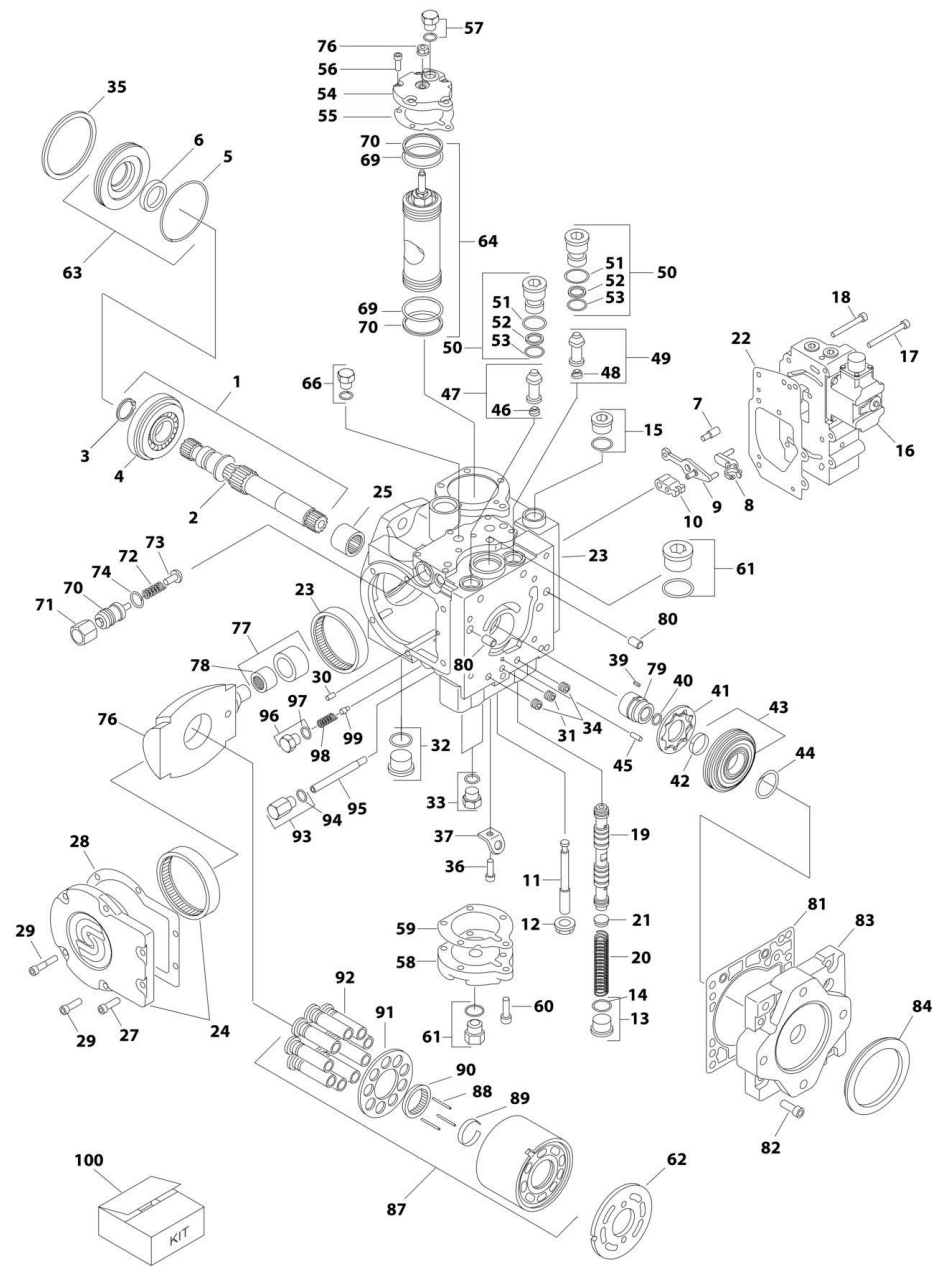
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	See Note	NSS	Bypass Valve Assembly (Use Item 102)	
51	See Note	NSS	O-Ring (Use Item 102)	
52	See Note	NSS	Ring, Back-up (Use Item 102)	
53	See Note	NSS	O-Ring (Use Item 102)	
54	70005260	1	Cover, Servo	
55	See Note	NSS	Gasket, Servo Cover (Use Item 102)	
56	70004892	5	Screw	
57	7007420	1	Plug Assembly	
58	7021268	1	Cover, Servo	
59	See Note	NSS	Gasket, Servo Cover (Use Item 102)	
60	70004892	5	Screw	
61	7007420	2	Plug Assembly	
62	7021281	1	Plate, Valve	
63	70004896	1	Seal Kit - Shaft (Includes Items 5 & 6)	
64	7022351	1	Servo Piston Kit (Includes Items 69 & 70)	
65	7021285	1	Adapter, Remote Filter	
66	See Note	NSS	Gasket, Filter Adapter (Use Item 102)	
67	70004892	7	Screw	
68	7007420	1	Plug Assembly	
69	See Note	NSS	O-Ring (Use Item 102)	
70	See Note	NSS	Ring, Piston (Use Item 102)	
71	7022346	1	Adjuster	
72	7021290	1	Nut	
73	7022347	1	Spring	
74	70004901	1	Poppet	
75	See Note	NSS	O-Ring (Use Item 102)	
76	See Note	NSS	Nut, Seal (Use Item 102)	
77	70005261	1	Relief Valve, Charge (Includes Items 71-75)	
78	70005262	1	Swash Plate	
79	7021234	1	Cam Follower Bearing Assembly (Includes Item 80)	
80	70005263	1	Bearing, Needle	
81	70005264	1	Coupling	
82	7001481	2	Pin	
83	See Note	NSS	Gasket, Charge Pump (Use Item 102)	
84	70004906	8	Screw	
85	70005265	1	Cover, Charge Pump	
86	See Note	NSS	Seal (Use Item 102)	
87	7021229	1	Cover, Flange	
88	7024806	2	Screw	
89	70004909	1	Cylinder Block Kit (Includes Items 90-94)	
90	7021275	3	Pin, Slipper Hold Down	
91	7021276	1	Retainer, Pin	
92	7021277	1	Guide, Retainer	
93	7021278	1	Retainer, Slipper	
94	70004911	9	Piston Assembly	
95	70005266	1	Plug (Includes Item 96)	
96	See Note	NSS	O-Ring (Use Item 102)	
97	70005267	1	Spool, Loop Flushing	
98	70005268	1	Plug (Includes Item 99)	
99	See Note	NSS	O-Ring (Use Item 102)	
100	70005269	1	Spring	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	70005270	1	Poppet	
102	70004899	1	Seal Kit - Complete (Includes Items 5, 6, 12, 28, 50, 51, 52, 53, 55, 59, 66, 70, 75, 76, 83, 86, 96 & 99)	

SECTION 3 - ENGINE

FIGURE 3-32. PISTON PUMP ASSEMBLY (REAR)



ART_1001189236

SECTION 3 - ENGINE

FIGURE 3-32. PISTON PUMP ASSEMBLY (REAR)

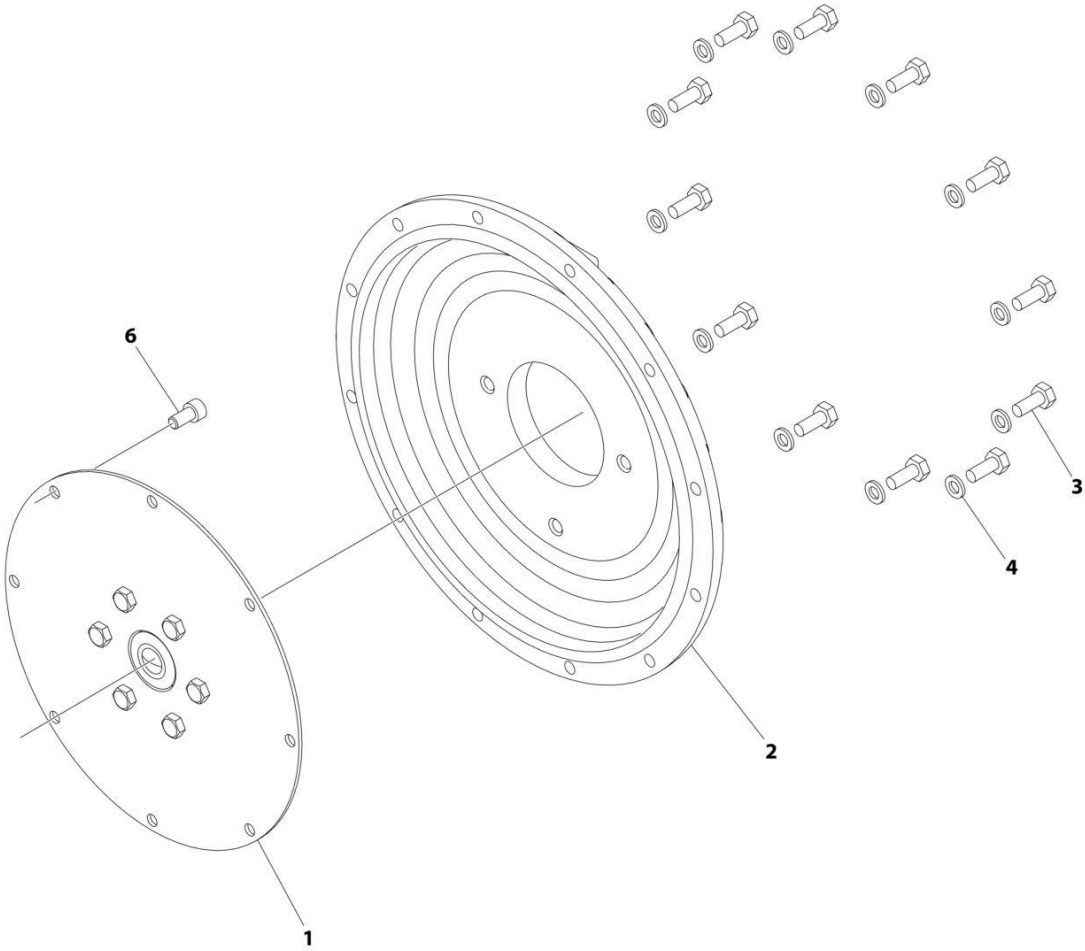
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189236	Ref	PISTON PUMP ASSEMBLY (REAR)	D
1	7022355	1	Shaft Assembly (Includes Items 2-4)	
2	70005271	1	Shaft	
3	7021238	1	Ring, Retaining	
4	7021239	1	Bearing, Roller	
5	See Note	NSS	O-Ring (Use Item 100)	
6	See Note	NSS	Seal, Lip (Use Item 100)	
7	70005245	1	Screw	
8	7022331	1	Link, Control Summing	
9	7022332	1	Link, Control Feedback	
10	7022333	1	Link, Neutral Adjust	
11	70005246	1	Screw, Neutral Adjust	
12	See Note	NSS	Nut, Seal (Use Item 100)	
13	70005247	1	Plug (Includes Item 14)	
14	7022322	1	O-Ring	
15	7022321	1	Plug Assembly	
16	70005248	1	Controller, Electrical	
17	70005249	4	Screw M6 x 50	
18	70005250	3	Screw M6 x 60	
19	7022336	1	Spool Assembly	
20	70005251	1	Spring	
21	70005252	1	Adapter	
22	7022338	1	Gasket, Control	
23	See Note	1	Housing Assembly (Note: Not Available - Purchase Complete Rear Pump Assembly)	
24	7021248	1	Side Cover Assembly	
25	7021249	1	Bearing, Needle	
26	70005253	1	Pin	
27	70004890	2	Screw M6 x 20	
28	See Note	NSS	Gasket, Side Cover (Use Item 100)	
29	70004892	4	Screw M6 x 30	
30	70005254	1	Screen, Filter	
31	70005255	1	Plug	
32	7007419	2	Plug Assembly	
33	7007420	2	Plug	
34	70005255	2	Plug	
35	7021257	1	Ring, Retaining	
36	70004890	1	Screw	
37	7022340	1	Bracket, Lifting	
38	7007419	2	Plug Assembly (Not Shown)	
39	70004893	1	Key	
40	7022341	1	Ring, Retaining	
41	7022357	1	Spacer	
42	7021259	1	Bearing, Journal	
43	70004894	1	Gerotor Cover Assembly (Includes Item 42)	
44	7021262	1	O-Ring	
45	70005257	1	Pin	
46	7024800	1	Spring	
47	70005258	1	Valve, SCR (Includes Item 46)	
48	7024800	1	Spring	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	70005259	1	Valve, SCR (Includes Item 48)	
50	See Note	NSS	Bypass Valve Assembly (Use Item 100)	
51	See Note	NSS	O-Ring (Use Item 100)	
52	See Note	NSS	Ring, Back-up (Use Item 100)	
53	See Note	NSS	O-Ring (Use Item 100)	
54	70005260	1	Cover, Servo	
55	See Note	NSS	Gasket, Servo Cover (Use Item 100)	
56	70004892	5	Screw	
57	7007420	1	Plug Assembly	
58	7021268	1	Cover, Servo	
59	See Note	NSS	Gasket, Servo Cover (Use Item 100)	
60	70004892	5	Screw	
61	7007420	1	Plug Assembly	
62	7021281	1	Plate, Valve	
63	See Note	1	Seal Kit - Shaft (Use Item 100)	
64	See Note	1	Servo Piston Kit (Use Item 100)	
65	7022358	1	Plug Assembly (Not Shown)	
66	7007420	1	Plug Assembly	
67	7007420	1	Plug Assembly (Not Shown)	
68	See Note	NSS	O-Ring (Use Item 100)	
69	See Note	NSS	Ring, Piston (Use Item 100)	
70	7022346	1	Adjuster	
71	7021290	1	Nut	
72	7022347	1	Spring	
73	70004901	1	Poppet	
74	See Note	NSS	O-Ring (Use Item 100)	
75	See Note	NSS	Nut, Seal (Use Item 100)	
76	70005262	1	Swash Plate	
77	7021234	1	Cam Follower Bearing Assembly (Includes Item 78)	
78	70005263	1	Bearing, Needle	
79	70004905	1	Coupling	
80	7001481	2	Pin	
81	See Note	NSS	Gasket, Charge Pump (Use Item 100)	
82	70004906	8	Screw	
83	70004907	1	Cover, Charge Pump	
84	See Note	NSS	Seal (Use Item 100)	
87	70004909	1	Cylinder Block Kit (Includes Items 88-92)	
88	70004910	3	Pin, Slipper Hold Down	
89	7021276	1	Retainer, Pin	
90	7021277	1	Guide, Retainer	
91	7021278	1	Retainer, Slipper	
92	70004911	9	Piston Assembly	
93	70005266	1	Plug (Includes Item 94)	
94	See Note	NSS	O-Ring (Use Item 100)	
95	70005267	1	Spool, Loop Flushing	
96	70005268	1	Plug (Includes Item 97)	
97	See Note	NSS	O-Ring (Use Item 100)	
98	70005269	1	Spring	
99	70005270	1	Poppet	
100	70004899	1	Seal Kit - Complete (Includes Items 5, 6, 12, 28, 50, 52, 53, 55, 59, 63, 64, 68, 69, 74, 75, 81, 84, 94 & 97)	

SECTION 3 - ENGINE

FIGURE 3-33. PUMP COUPLING KIT



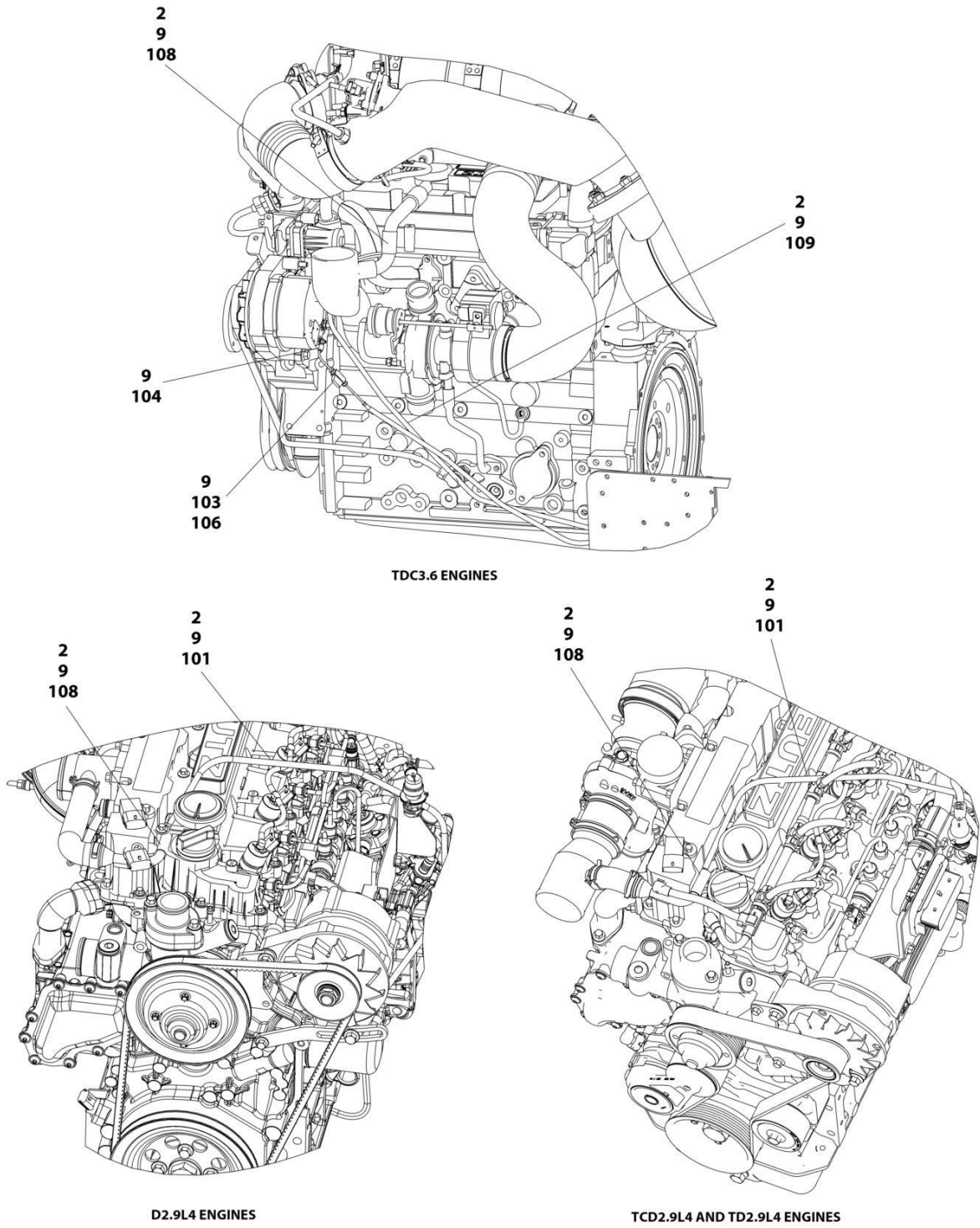
ART_2902065

FIGURE 3-33. PUMP COUPLING KIT

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)	

SECTION 3 - ENGINE

FIGURE 3-34. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE



ART_1001233763

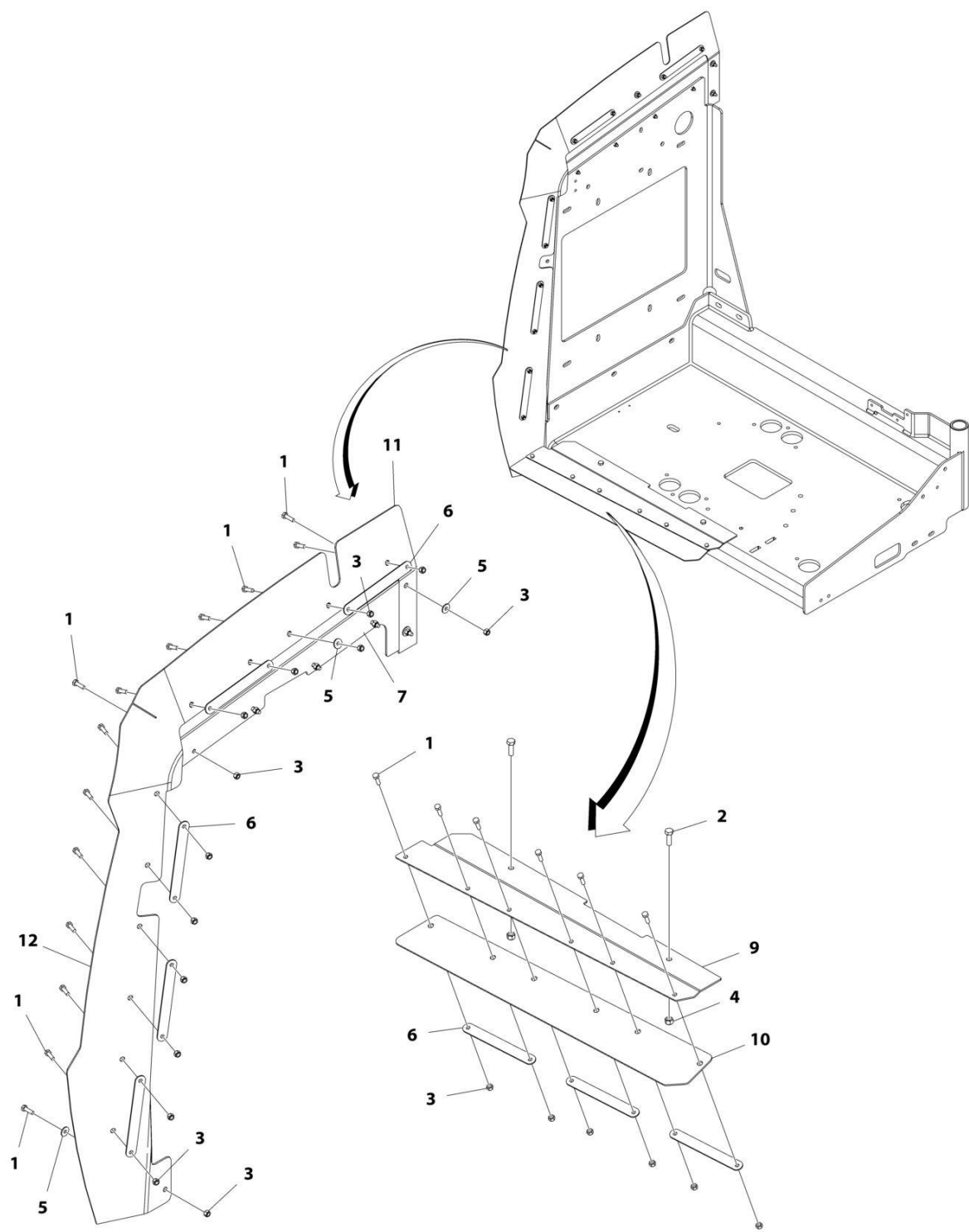
SECTION 3 - ENGINE

FIGURE 3-34. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE

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 3-35. ENGINE Baffle INSTALLATION



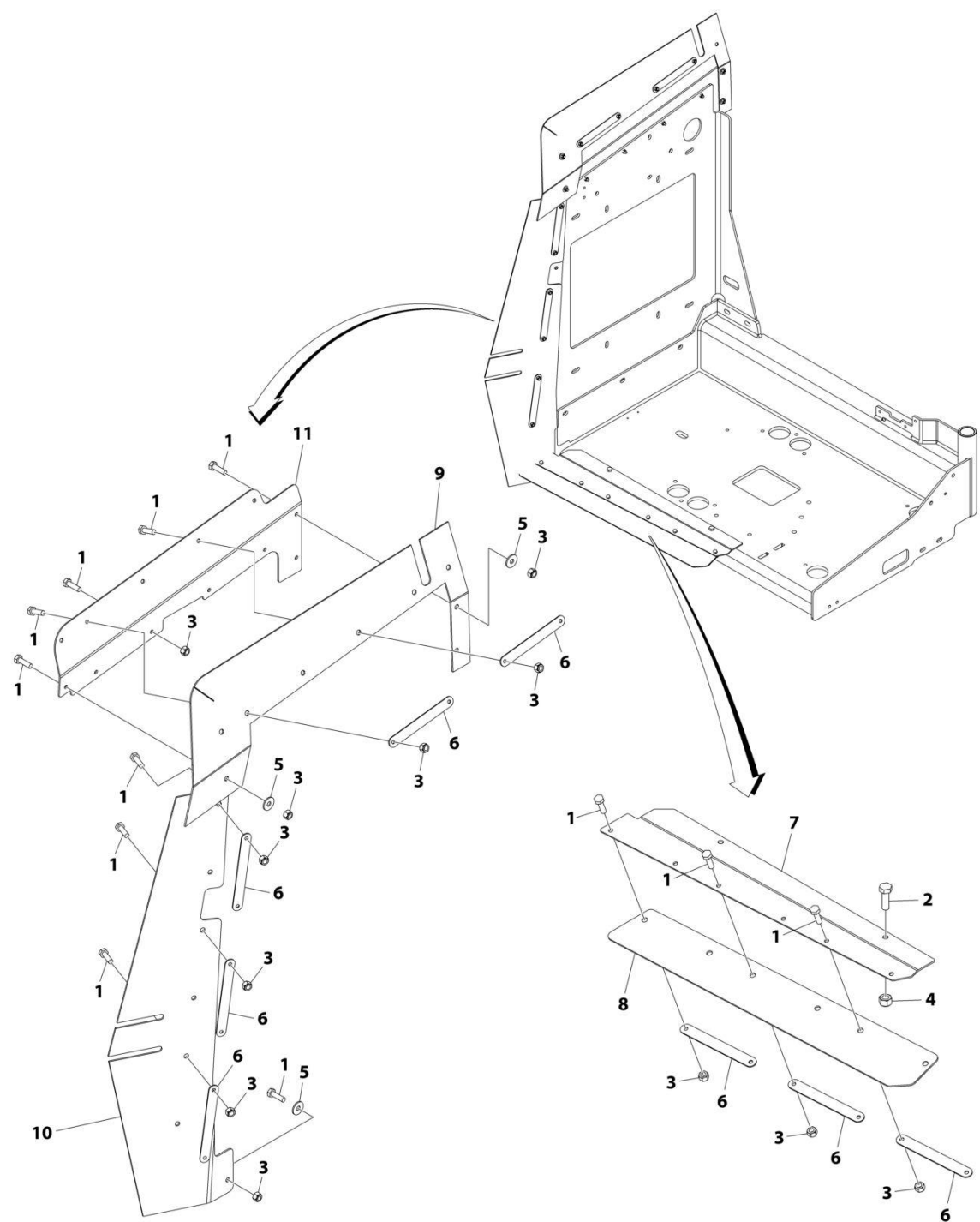
ART_1001170662

FIGURE 3-35. ENGINE BAFFLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170662	Ref	ENGINE BAFFLE INSTALLATION	F
1	0760610	24	Bolt M6 x 20	
2	0760812	2	Bolt M8 x 25	
3	3290605	24	Nut M6 x 1	
4	3290805	2	Nut M8 x 1.25	
5	4811702	4	Washer M6	
6	1001167164	8	Plate, Support	
7	1001170650	1	Bracket	
9	1001170663	1	Bracket	
10	1001170664	1	Seal	
11	1001211877	1	Seal	
12	1001211878	1	Seal	

SECTION 3 - ENGINE

FIGURE 3-36. ENGINE Baffle INSTALLATION - STEEL



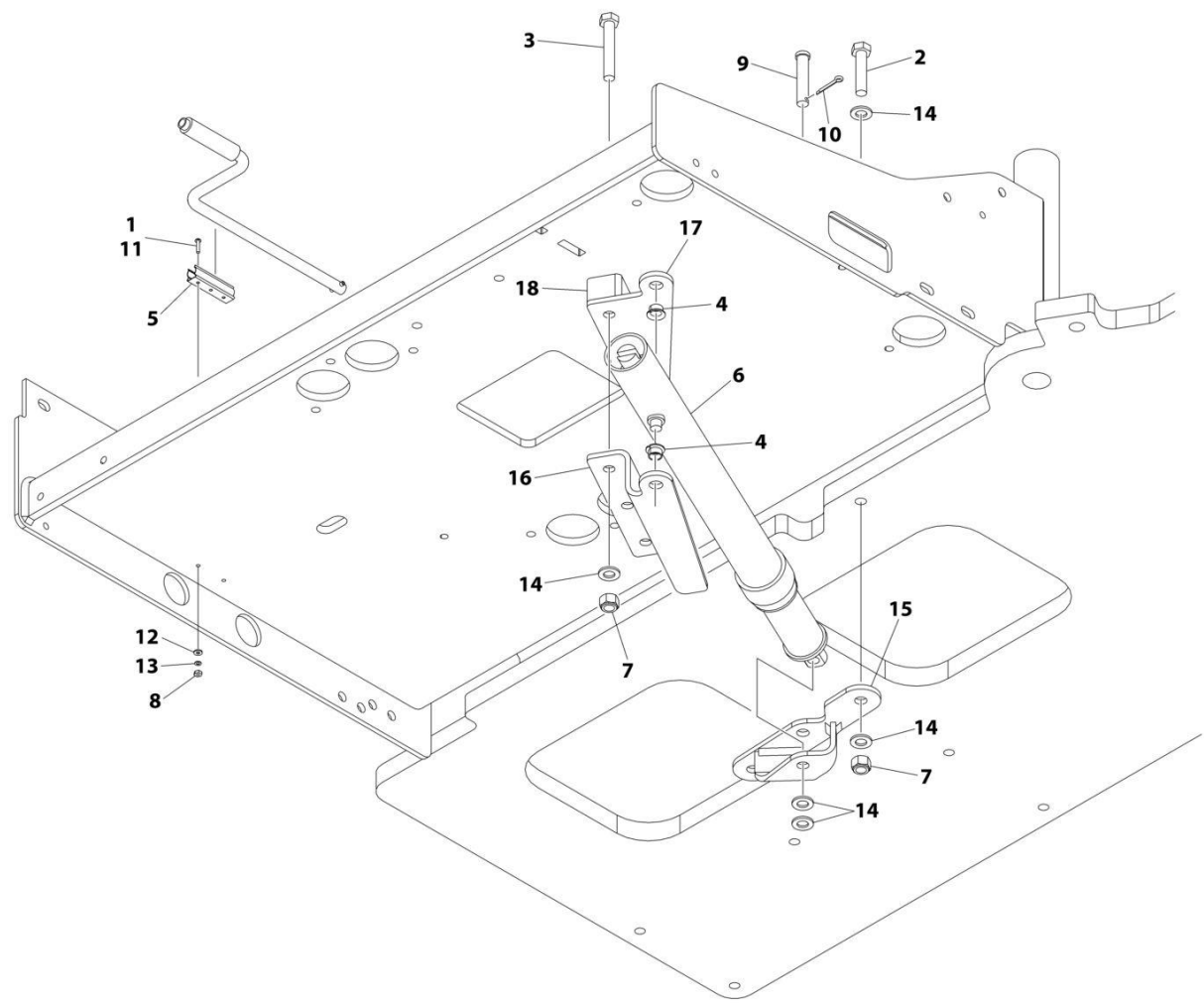
ART_1001223454

FIGURE 3-36. ENGINE BAFFLE INSTALLATION - STEEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223454	Ref	STEEL HOOD ENGINE BAFFLE INSTALLATION	A
1	0760610	25	Bolt M6 x 20	
2	0760812	2	Bolt M8 x 25	
3	3290605	25	Nut M6 x 1	
4	3290805	2	Nut M8 x 1.25	
5	4811702	5	Washer M6	
6	1001167164	8	Plate, Support	
7	1001170663	1	Bracket	
8	1001170664	1	Seal	
9	1001223309	1	Seal	
10	1001223310	1	Seal	
11	1001223328	1	Bracket	

SECTION 3 - ENGINE

FIGURE 3-37. ENGINE TRAY JACK



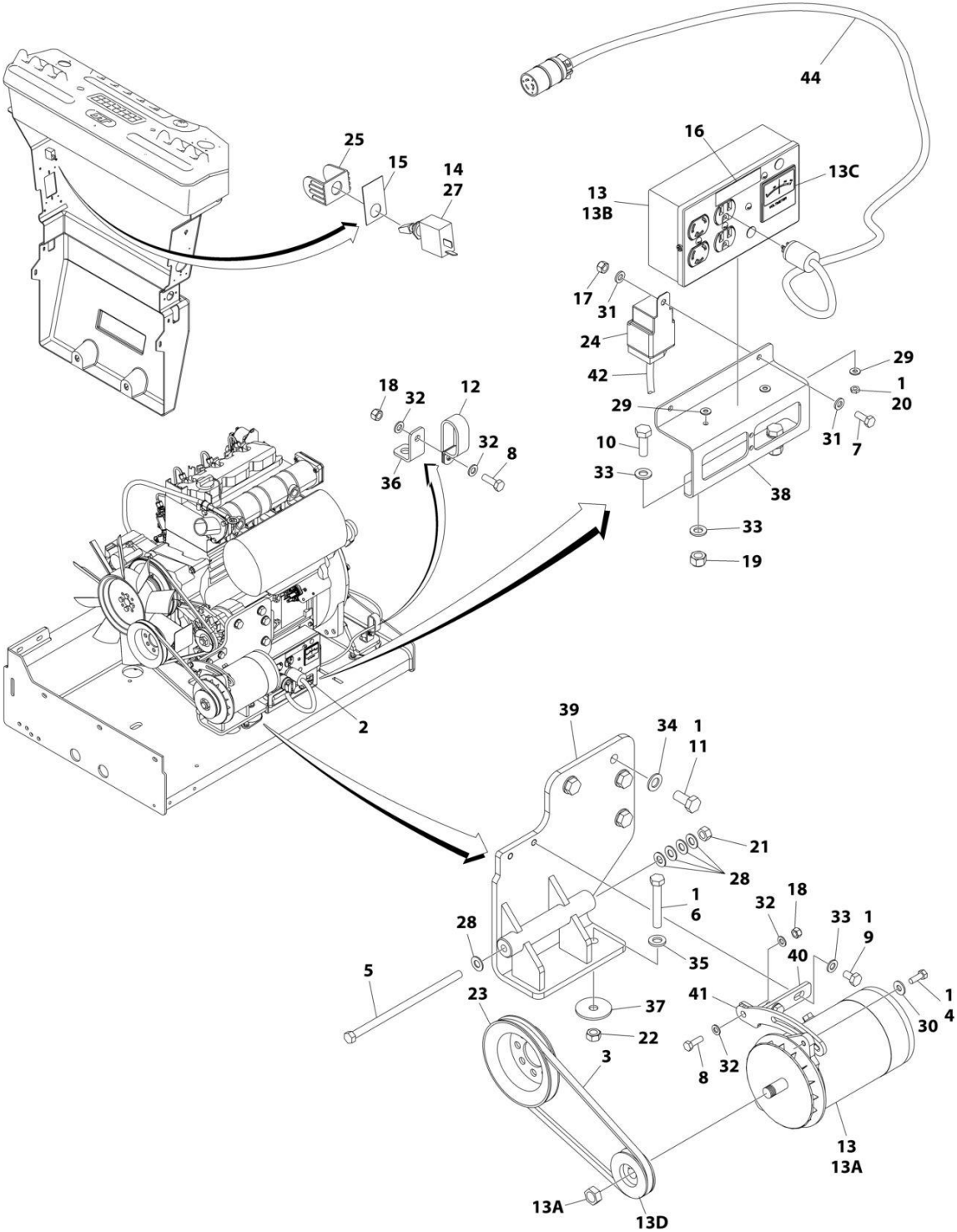
ART_1001243870

FIGURE 3-37. ENGINE TRAY JACK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243870	Ref	ENGINE TRAY JACK	B
1	0100011	AR	Compound, Locking	
2	0701219	2	Bolt M12 x 55	
3	0701223	3	Bolt	
4	0962051	2	Bearing	
5	1380147	1	Clip	
6	2840016	1	Screw Jack Assembly	
6	7024598	1	Handle	
6	7016322	1	Wiper	
7	3291205	5	Nut M12 x 1.75	
8	3310601	2	Nut #6	
9	3430820	1	Pin, Clevis	
10	3450404	1	Pin, Cotter	
11	3910610	2	Screw 6 x 5/8	
12	4750600	2	Washer #6	
13	4770600	2	Washer #6	
14	4812100	9	Washer M12	
15	1001166894	1	Support, Engine Tray Jack	
16	1001175073	1	Support, Engine Tray Jack	
17	1001175074	1	Support, Engine Tray Jack	
18	1001243869	1	Shim	

SECTION 3 - ENGINE

FIGURE 3-38. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)



ART_1001180798

SECTION 3 - ENGINE

FIGURE 3-38. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)

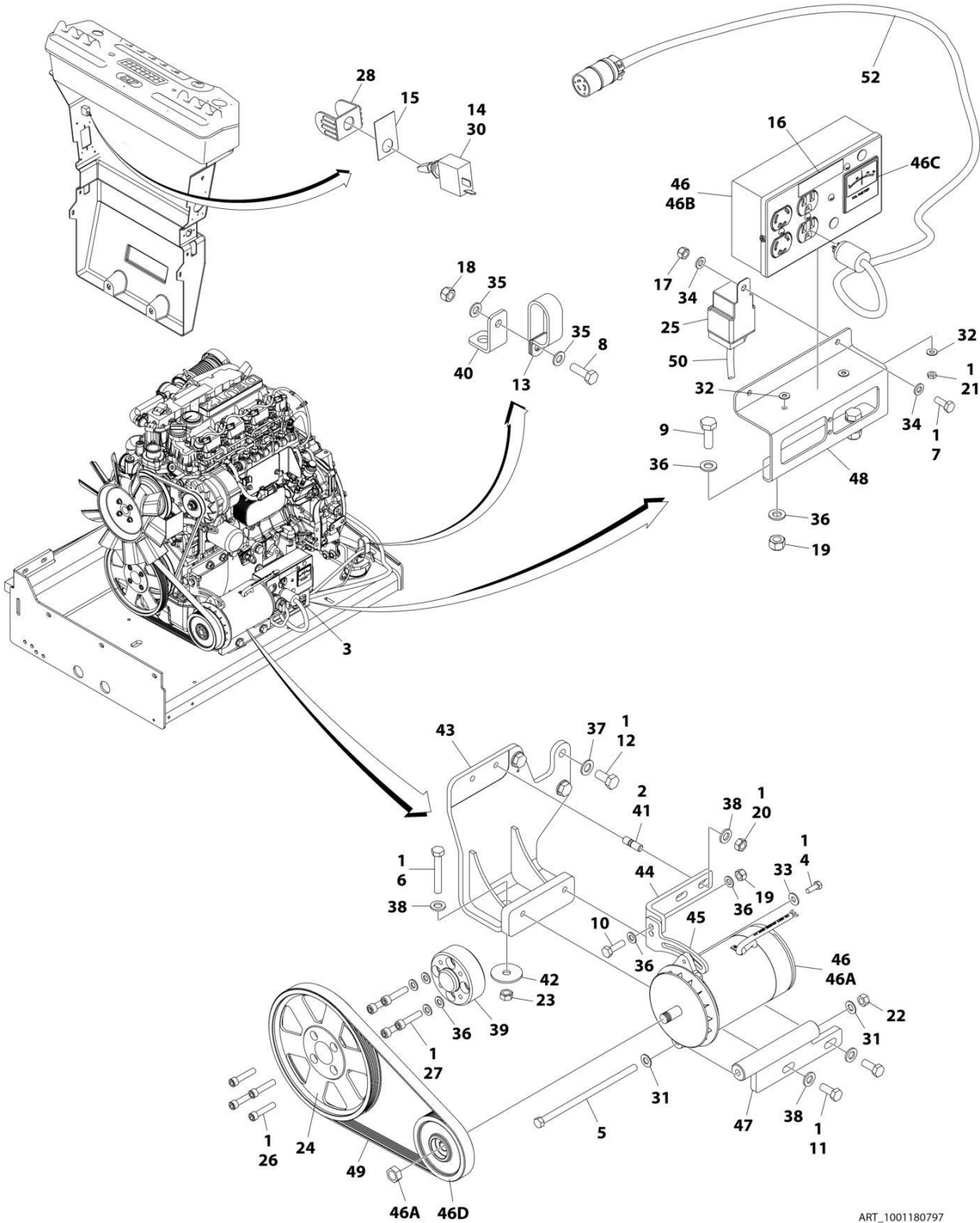
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180798	Ref	GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE)	B
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0480122	1	Belt	
4	0641507	1	Bolt 5/16 x 7/8	
5	0641772	1	Bolt 7/16 x 9	
6	0711224	1	Bolt M12 x 80 Grade 10.9	
7	0760608	1	Bolt M6 x 16	
8	0760812	2	Bolt M8 x 25	
9	0761009	2	Bolt M10 x 18	
10	0761014	2	Bolt M10 x 30	
11	0771414	4	Bolt M14 x 30 Grade 10.9	
12	1321716	1	Clamp	
13	2460055	1	Generator and Control Box Assembly	
13A	7012558	1	Generator	
	See Note	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.	
13A	7026199	1	Armature with Slip Rings	
13A	7012513	3	Cap, Brush Holder	
13A	7020108	4	Brush	
13A	7020109	4	Holder, Brush	
13A	7012514	1	Fan	
13A	7020110	1	Bell, Front	
13A	7020111	1	Bell, Rear	
13A	7020190	1	Bearing	
13B	7019680	1	Box, Control	
13B	4460190	1	Receptacle, Standard	
13B	4460027	1	Receptacle, Twistlock	
13B	4360542	1	Breaker, Circuit	
13B	3520028	1	Plug, Hole	
13B	4460961	1	Connector - 4 Position	
13B	4460705	4	Pin, Male	
13B	4460321	1	Connector - 4 Position (Note: Mate to p/n 4460961 Purchase Separately)	
13B	4460268	3	Socket, Female (Note: Mate to p/n 4460705 Purchase Separately)	
13C	2420203	1	Voltmeter	
13D	3580276	1	Pulley	
13D	7027887	1	Key, Woodruff	
14	2820031	AR	Heat Shrink	
15	See Note	1	Nameplate (Note: Not Available for Purchase)	
16	3251243	1	Nameplate 120V-60Hz	
17	3290605	1	Nut M6	
18	3290805	2	Nut M8	
19	3291005	2	Nut M10	
20	3311001	2	Nut #10	
21	3311705	1	Nut 7/16	
22	3331211	1	Nut M12	
23	3580158	1	Pulley	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
24	3740080	1	Relay	
25	4060802	1	Guard, Switch	
26	4240099	AR	Tie-Strap (Not Shown)	
27	4360336	1	Switch, Toggle	
28	4711700	5	Washer 7/16	
29	4751000	4	Washer #10	
30	4751500	1	Washer 5/16	
31	4811700	2	Washer M6	
32	4811900	4	Washer M8	
33	4812000	6	Washer M10	
34	4812200	4	Washer M14	
35	5241200	1	Washer M12 Hardened	
36	1001148641	1	Bracket	
37	1001168018	1	Washer, Snubbing	
38	1001183477	1	Support	
39	1001184637	1	Mount, Engine	
40	1001184644	1	Support	
41	1001184645	1	Bracket	
42	1001187522	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
43	1001188731	1	Wiring Diagram (Not Shown)	
43	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
44	1001182296	1	Harness, Inverter	
44	1060494	10 ft/3.5m	Cable, Electrical - 12/3	
44	4460134	1	Receptacle, Female	
44	4460138	1	Plug, Male	

SECTION 3 - ENGINE

FIGURE 3-39. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)



ART_1001180797

SECTION 3 - ENGINE

FIGURE 3-39. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

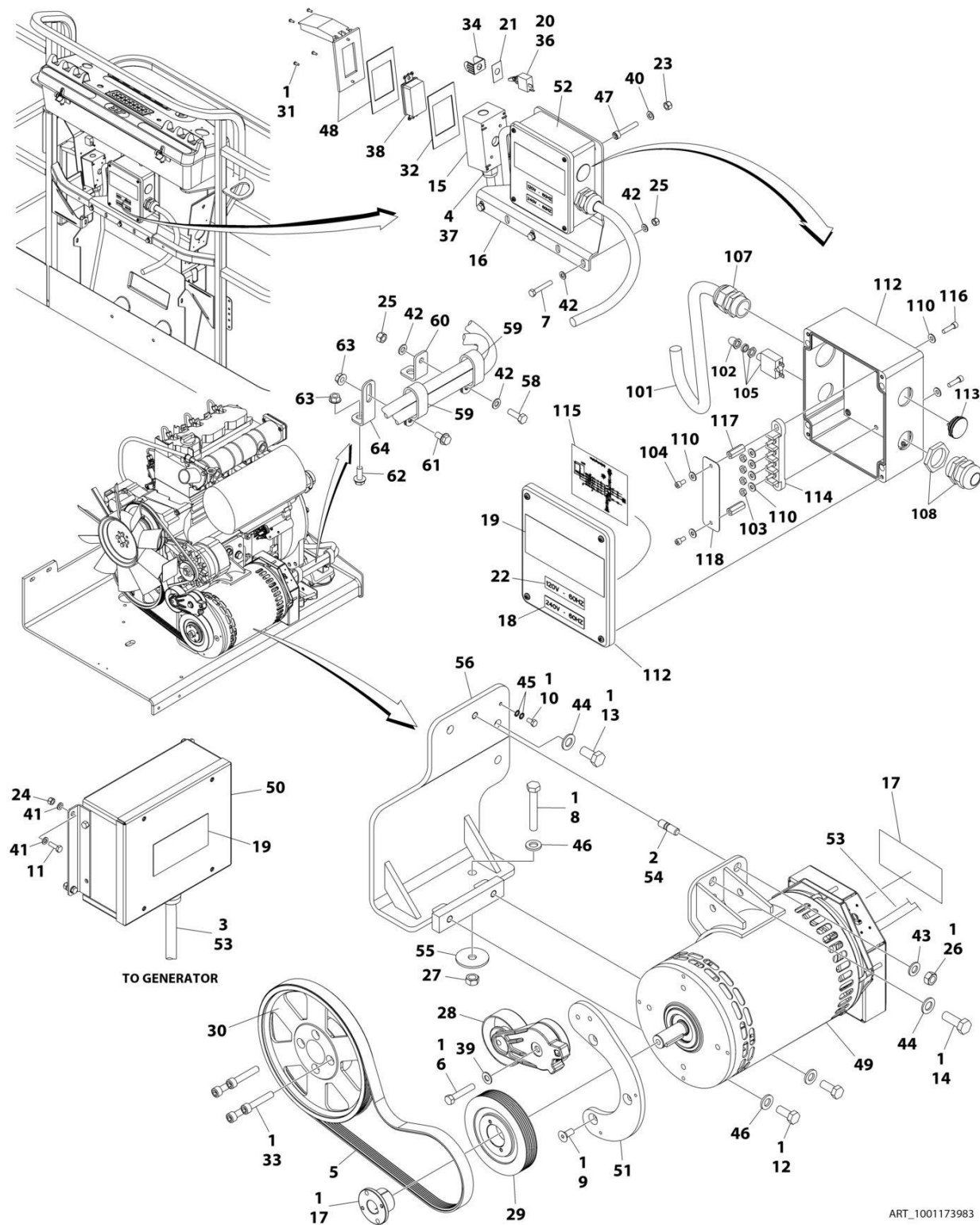
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180797	Ref	GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE)	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641507	1	Bolt 5/16 x 7/8	
5	0641772	1	Bolt 7/16 x 9	
6	0711224	AR	Bolt M12 x 80 Grade 10.9	
7	0760608	1	Bolt M6 x 16	
8	0760812	1	Bolt M8 x 25	
9	0761014	2	Bolt M10 x 30	
10	0761015	1	Bolt M10 x 35	
11	0761214	2	Bolt M12 x 30	
12	0771414	3	Bolt M14 x 30 Grade 10.9	
13	1321716	1	Clamp	
14	2820031	AR	Heat Shrink	
15	See Note	1	Nameplate (Note: Not Available for Purchase)	
16	3251243	1	Nameplate 120V-60Hz	
17	3290605	1	Nut M6	
18	3290805	1	Nut M8	
19	3291005	3	Nut M10	
20	3291201	2	Nut M12	
21	3311001	2	Nut #10	
22	3311705	1	Nut 7/16	
23	3331211	AR	Nut M12	
24	3580320	1	Pulley	
25	3740080	1	Relay	
26	3931628	4	Capscrew 3/8 x 1-3/4	
27	4032014	4	Bolt M10 x 50	
28	4060802	1	Guard, Switch	
29	4240099	AR	Tie-Strap (Not Shown)	
30	4360336	1	Switch, Toggle	
31	4711700	2	Washer 7/16	
32	4751000	4	Washer #10	
33	4751500	1	Washer 5/16	
34	4811700	2	Washer M6	
35	4811900	2	Washer M8	
36	4812000	AR	Washer M10	
37	4812200	AR	Washer M14	
38	5241200	AR	Washer M12 Hardened	
39	1001135679	1	Adapter	
40	1001148641	1	Bracket	
41	1001155041	2	Stud	
42	1001168018	AR	Washer, Snubbing	
43	1001168207	Ref	Support	
44	1001179836	1	Mount, Upper Generator	
45	1001179837	1	Arm Adjustment	
46	1001180001	1	Generator	
46A	7026199	1	Armature with Slip Rings	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46A	7012513	3	Cap, Brush Holder	
46A	7020108	4	Brush	
46A	7020109	4	Holder, Brush	
46A	7012514	1	Fan	
46A	7020110	1	Bell, Front	
46A	7020111	1	Bell, Rear	
46A	7020190	1	Bearing	
46B	7019680	1	Box, Control	
46B	4460190	1	Receptacle, Standard	
46B	4460027	1	Receptacle, Twistlock	
46B	4360542	1	Breaker, Circuit	
46B	3520028	1	Plug, Hole	
46B	4460961	1	Connector - 4 Position	
46B	4460705	4	Pin, Male	
46B	4460321	1	Connector - 4 Position (Note: Mate to p/n 4460961 Purchase Separately)	
46B	4460268	3	Socket, Female (Note: Mate to p/n 4460705 Purchase Separately)	
46C	2420203	1	Voltmeter	
46D	1001179893	1	Pulley	
46D	7027887	1	Key, Woodruff	
47	1001181243	1	Mount, Lower Generator	
48	1001183477	1	Support	
49	1001148138	1	Belt	
50	1001187522	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
51	1001188731	1	Wiring Diagram (Not Shown)	
51	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
52	1001182296	1	Harness, Inverter	
52	1060494	10 ft/3.5m	Cable, Electrical - 12/3	
52	4460134	1	Receptacle, Female	
52	4460138	1	Plug, Male	

SECTION 3 - ENGINE

FIGURE 3-40. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)



ART_1001173983

SECTION 3 - ENGINE

FIGURE 3-40. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)

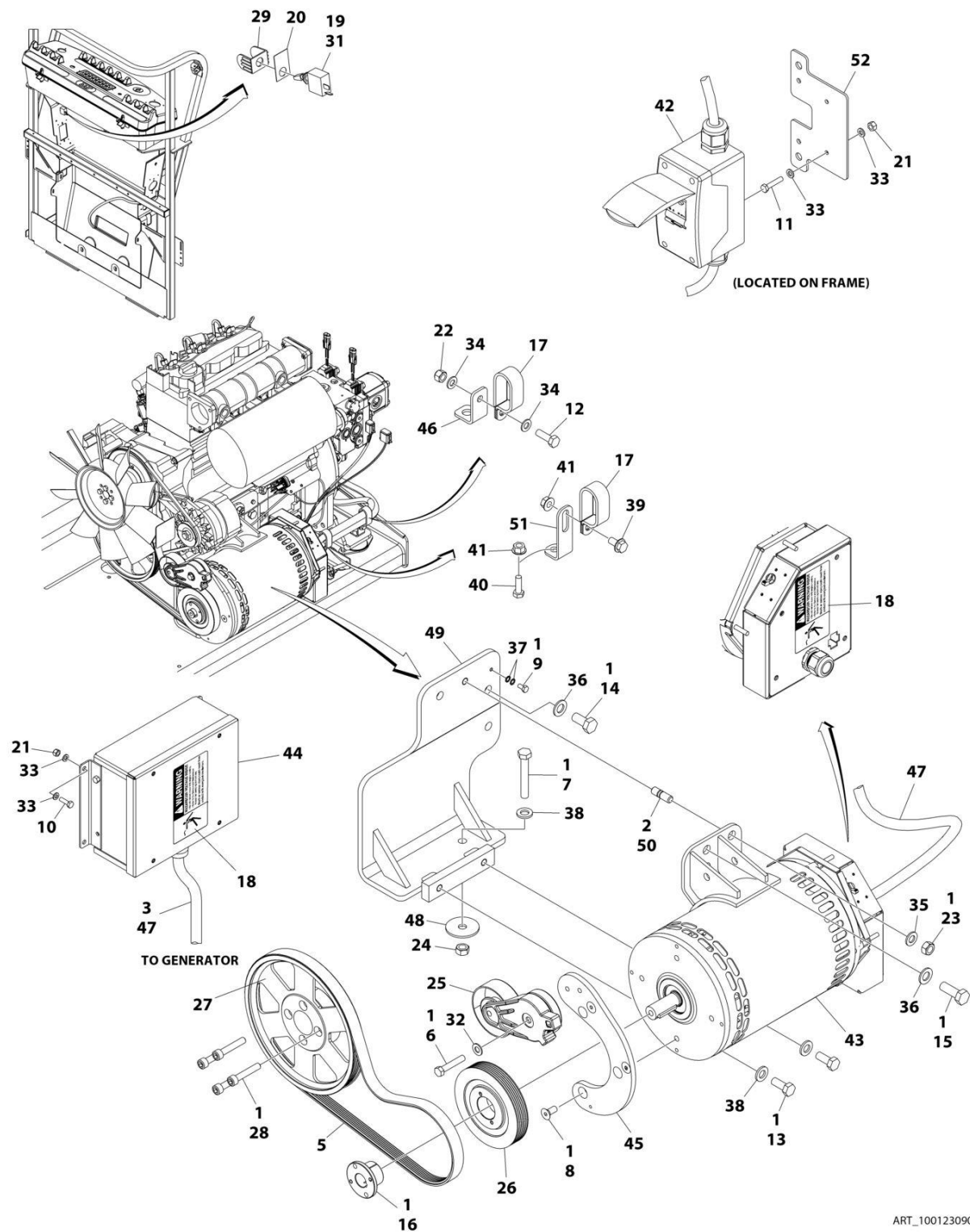
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173983	Ref	GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE)	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant	
5	0480128	1	Belt	
6	0641616	1	Bolt 3/8 x 2	
7	0700818	3	Bolt M8 x 50	
8	0711224	1	Bolt M12 x 80 Grade 10.9	
9	0741607	3	Screw 3/8 x 7/8	
10	0760606	1	Bolt M6 x 12	
11	0760610	4	Bolt M6 x 20	
12	0761214	2	Bolt M12 x 30	
13	0771414	2	Bolt M14 x 30 Grade 10.9	
14	0771416	1	Bolt M14 x 40	
15	0860038	1	Box, Switch	
16	0902888	1	Bracket	
17	0962520	1	Bushing	
18	1705374	1	Decal - 240V-60Hz	
19	1705387	3	Decal - Hazardous Voltage	
20	2820031	AR	Heat Shrink	
21	See Note	1	Nameplate (Note: Not Available for Purchase)	
22	3251243	1	Nameplate 120V-60Hz	
23	3290505	4	Nut M5	
24	3290605	4	Nut M6	
25	3290805	4	Nut M8	
26	3291201	2	Nut M12	
27	3331211	1	Nut M12	
28	3580317	1	Pulley	
29	3580318	1	Pulley	
30	3580320	1	Pulley	
31	3910606	4	Screw #6 x 3/8	
32	3960422	1	Gasket	
33	4032015	4	Bolt M10 x 55	
34	4060802	1	Guard, Switch	
35	4240099	AR	Tie-Strap (Not Shown)	
36	4360336	1	Switch, Toggle	
37	4460071	1	Connector, Strain Relief	
38	4460346	1	Receptacle	
39	4711600	1	Washer 3/8	
40	4811600	4	Washer M5	
41	4811700	8	Washer M6	
42	4811900	8	Washer M8	
43	4812100	1	Washer M12	
44	4812200	3	Washer M14	
45	4871700	2	Washer M6	
46	5241200	3	Washer M12 Hardened	
47	1001104029	4	Screw M5 x 30	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001110873	1	Shield, Cover	
49	1001129858	1	Generator	
49	70003709	1	Ring, Retaining (External)	
49	70003708	1	Ring, Retaining (Internal)	
49	70001966	1	Bearing	
49	70004092	1	Endbell (Shaft End)	
49	70004171	1	Key	
49	70004676	1	Rotor	
49	70004684	1	Stator	
49	70004678	1	Endbell (Rear)	
49	70004679	1	Cover, Endbell (Rear)	
49	70004680	1	Enclosure, Wiring	
49	70004685	1	Cover, Enclosure	
49	70004682	1	Switch, Reset (Located on Enclosure Cover)	
49	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
50	1001138566	1	Box, Control	
50	70006552	1	Capacitor	
50	70006553	1	Relay	
51	1001139357	1	Mount, Tensioner	
52	1001152457	1	Generator Junction Box Assembly (See Items 101-118 for Breakdown)	
53	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
54	1001196382	1	Stud	
55	1001168018	1	Washer, Snubbing	
56	1001173925	1	Mount	
57	1001175631	1	Wiring Diagram (Not Shown)	
57	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
58	0760812	1	Bolt M8 x 25	
59	1321716	2	Clamp	
60	1001148641	1	Bracket	
61	5250808	1	Bolt M8 x 16	
62	5250810	1	Bolt M8 x 20	
63	5260800	2	Nut M8	
64	1001223122	1	Support	
	1001152457	Ref	GENERATOR JUNCTION BOX COMPONENTS	
101	1001179154	2.5 ft/ 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 3-41. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT, CE & UK CA (LRC) SPECS)



ART_1001230908

SECTION 3 - ENGINE

FIGURE 3-41. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT, CE & UK CA (LRC) SPECS)

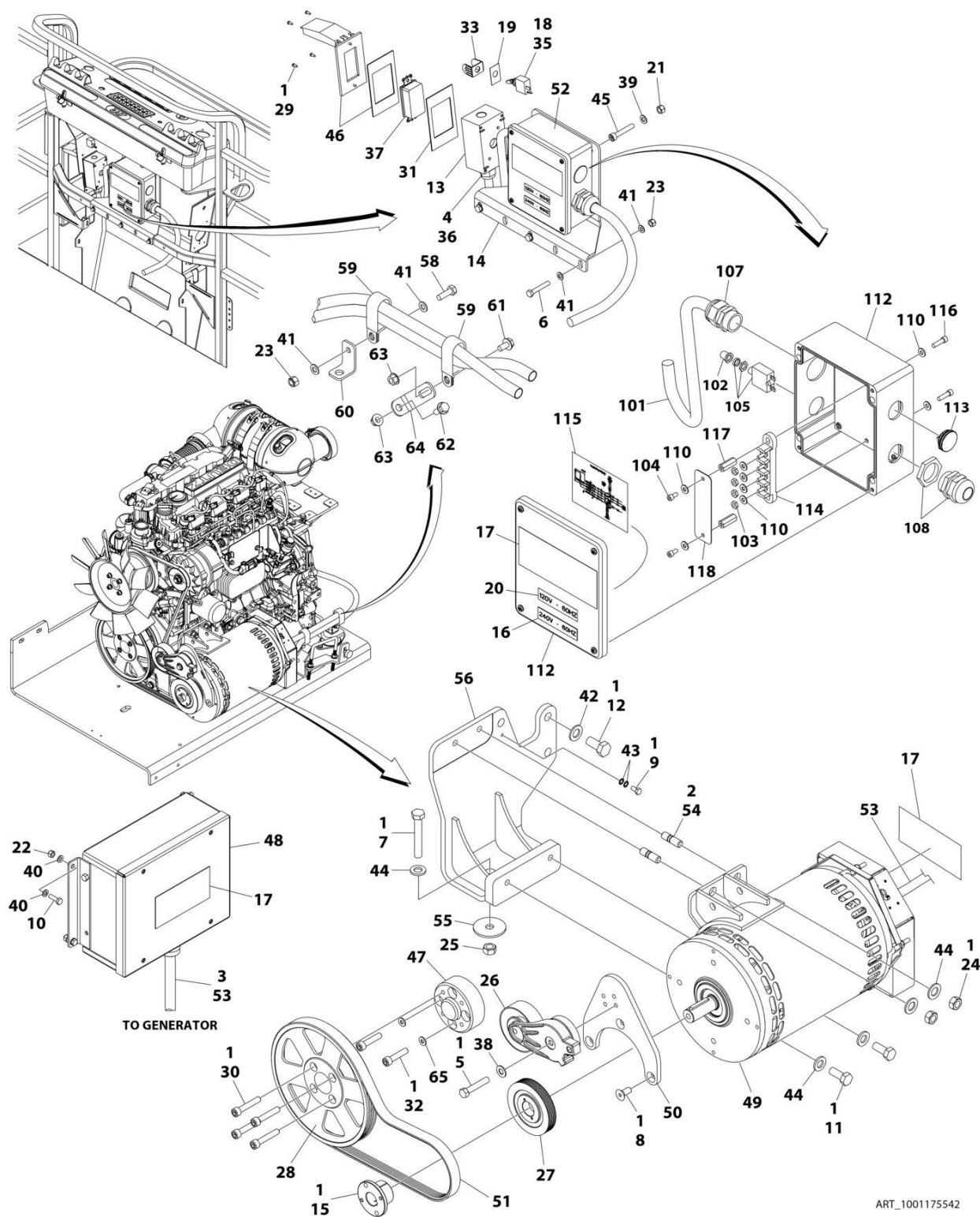
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230908	Ref	4000W/50Hz GENERATOR INSTALLATION - DEUTZ D2011 ENGINES	A
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant (Not Shown)	
5	0480126	1	Belt	
6	0641616	1	Bolt 3/8 x 2	
7	0711224	1	Bolt M12 x 80 Grade 10.9	
8	0741607	3	Screw 3/8 x 7/8	
9	0760606	1	Bolt M6 x 12	
10	0760610	4	Bolt M6 x 20	
11	0760614	2	Bolt M6 x 30	
12	0760812	1	Bolt M8 x 25	
13	0761214	2	Bolt M12 x 30	
14	0771414	2	Bolt M14 x 30 Grade 10.9	
15	0771416	1	Bolt M14 x 40	
16	0962520	1	Bushing	
17	1321716	2	Clamp	
18	1705489	2	Decal - Hazardous Voltage	
19	2820031	0.3 ft/ 0.1m	Heat Shrink	
20	3251102	1	Nameplate, Generator	
21	3290605	6	Nut M6	
22	3290805	1	Nut M8	
23	3291201	1	Nut M12	
24	3331211	1	Nut M12	
25	3580317	1	Pulley	
26	3580319	1	Pulley	
27	3580320	1	Pulley	
28	4032015	4	Bolt M10 x 55	
29	4060802	1	Guard, Switch	
30	4240099	AR	Tie-Strap (Not Shown)	
31	4360336	1	Switch, Toggle	
32	4711600	1	Washer 3/8	
33	4811700	12	Washer M6	
34	4811900	2	Washer M8	
35	4812100	1	Washer M12	
36	4812200	3	Washer M14	
37	4871700	2	Washer M6	
38	5241200	3	Washer M12 Hardened	
39	5250808	1	Bolt M8 x 16	
40	5250810	1	Bolt M8 x 20	
41	5260800	2	Flange Nut M8	
42	1001096070	1	Breaker Box Kit (50Hz) (See Separate Breakdown in ELECTRICAL Section)	
43	1001138565	1	Generator Assembly	
43	70003709	1	Ring, Retaining (External)	
43	70003708	1	Ring, Retaining (Internal)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	70001966	1	Bearing	
43	70004092	1	Endbell (Shaft End)	
43	70004171	1	Key	
43	70004676	1	Rotor	
43	70004677	1	Stator	
43	70004678	1	Endbell (Rear)	
43	70004679	1	Cover, Endbell (Rear)	
43	70004680	1	Enclosure, Wiring	
43	70004681	1	Cover, Enclosure	
43	70004682	1	Switch, Reset (Located on Enclosure Cover)	
43	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
44	1001138566	1	Box, Control	
45	1001139357	1	Mount, Tensioner	
46	1001148641	1	Bracket	
47	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
48	1001168018	1	Washer, Snubbing	
49	1001173925	1	Mount	
50	1001196382	1	Stud	
51	1001223122	1	Support, P-Clamp	
52	1001230784	1	Bracket	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	4922641	1	Generator Switch Harness (Not Shown)	

SECTION 3 - ENGINE

FIGURE 3-42. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)



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SECTION 3 - ENGINE

FIGURE 3-42. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

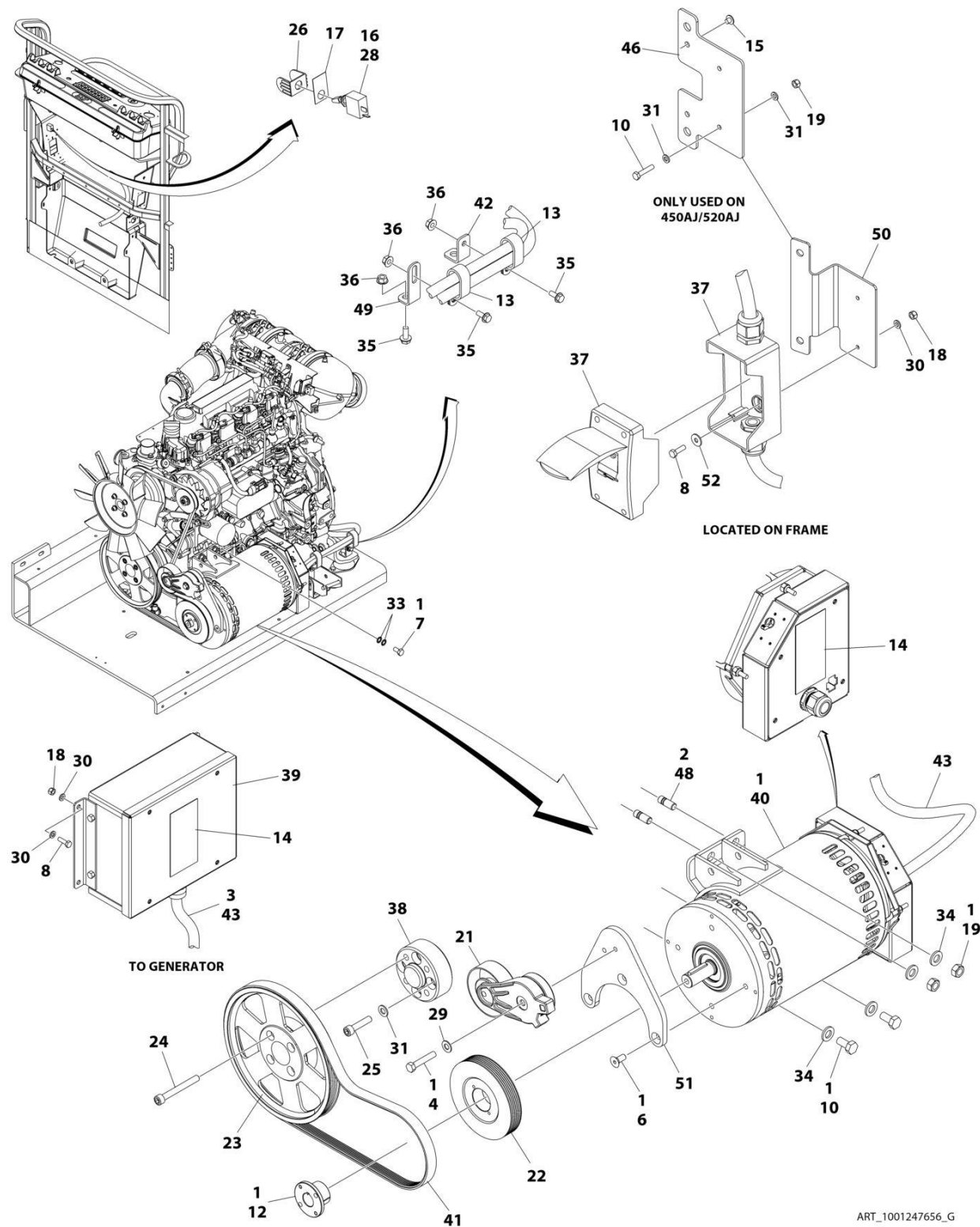
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175542	Ref	GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE)	J
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant	
5	0641616	1	Bolt 3/8 x 2	
6	0700818	3	Bolt M8 x 50	
7	0711224	AR	Bolt M12 x 80 Grade 10.9	
8	0741607	3	Screw 3/8 x 7/8	
9	0760606	1	Bolt M6 x 12	
10	0760610	4	Bolt M6 x 20	
11	0761212	2	Bolt M12 x 25	
12	0771414	AR	Bolt M14 x 30 Grade 10.9	
13	0860038	1	Box, Switch	
14	0902888	1	Bracket	
15	0962520	1	Bushing	
16	1705374	1	Decal - 240V-60Hz	
17	1705387	3	Decal - Hazardous Voltage	
18	2820031	AR	Heat Shrink	
19	See Note	1	Nameplate (Note: Not Available for Purchase)	
20	3251243	1	Nameplate 120V-60Hz	
21	3290505	4	Nut M5	
22	3290605	4	Nut M6	
23	3290805	4	Nut M8	
24	3291201	2	Nut M12	
25	3331211	AR	Nut M12	
26	3580317	1	Pulley	
27	3580318	1	Pulley	
28	3580320	1	Pulley	
29	3910606	4	Screw #6 x 3/8	
30	3931628	4	Capscrew 3/8 x 1-3/4	
31	3960422	1	Gasket	
32	4032014	4	Capscrew M10 x 50	
33	4060802	1	Guard, Switch	
34	4240099	AR	Tie-Strap (Not Shown)	
35	4360336	1	Switch, Toggle	
36	4460071	1	Connector, Strain Relief	
37	4460346	1	Receptacle	
38	4711600	1	Washer 3/8	
39	4811600	4	Washer M5	
40	4811700	8	Washer M6	
41	4811900	8	Washer M8	
42	4812200	AR	Washer M14	
43	4871700	2	Washer M6	
44	5241200	AR	Washer M12 Hardened	
45	1001104029	4	Screw M5 x 30	
46	1001110873	1	Shield, Cover	
47	1001135679	1	Adapter	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001138566	1	Box, Control	
49	1001140346	1	Generator Assembly	
49	70003709	1	Ring, Retaining (External)	
49	70003708	1	Ring, Retaining (Internal)	
49	70001966	1	Bearing	
49	70004092	1	Endbell (Shaft End)	
49	70004099	1	Key	
49	70004676	1	Rotor	
49	70004687	1	Stator	
49	70004678	1	Endbell (Rear)	
49	70004679	1	Cover, Endbell (Rear)	
49	70004680	1	Enclosure, Wiring	
49	70004685	1	Cover, Enclosure	
49	70004682	1	Switch, Reset (Located on Enclosure Cover)	
49	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
50	1001142643	1	Support	
51	1001142646	1	Belt	
52	1001152457	1	Generator Junction Box Assembly (See Items 101-118 for Breakdown)	
53	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
54	1001196382	2	Stud	
55	1001168018	AR	Washer, Snubbing	
56	1001168207	Ref	Support	
57	1001175631	1	Wiring Diagram (Not Shown)	
57	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
58	0760812	1	Bolt M8 x 25	
59	1321716	2	Clamp	
60	1001148641	1	Bracket	
61	5250808	1	Bolt M8 x 16	
62	5250810	1	Bolt M8 x 20	
63	5260800	2	Nut M8	
64	1001223122	1	Support	
65	4812000	4	Washer M10	
	1001152457	Ref	GENERATOR JUNCTION BOX COMPONENTS	
101	1001179154	2.5 ft/ 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. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ (STAGE V) ENGINE) (CE & UK CA SPEC)



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SECTION 3 - ENGINE

FIGURE 3-43. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ (STAGE V) ENGINE) (CE & UK CA SPEC)

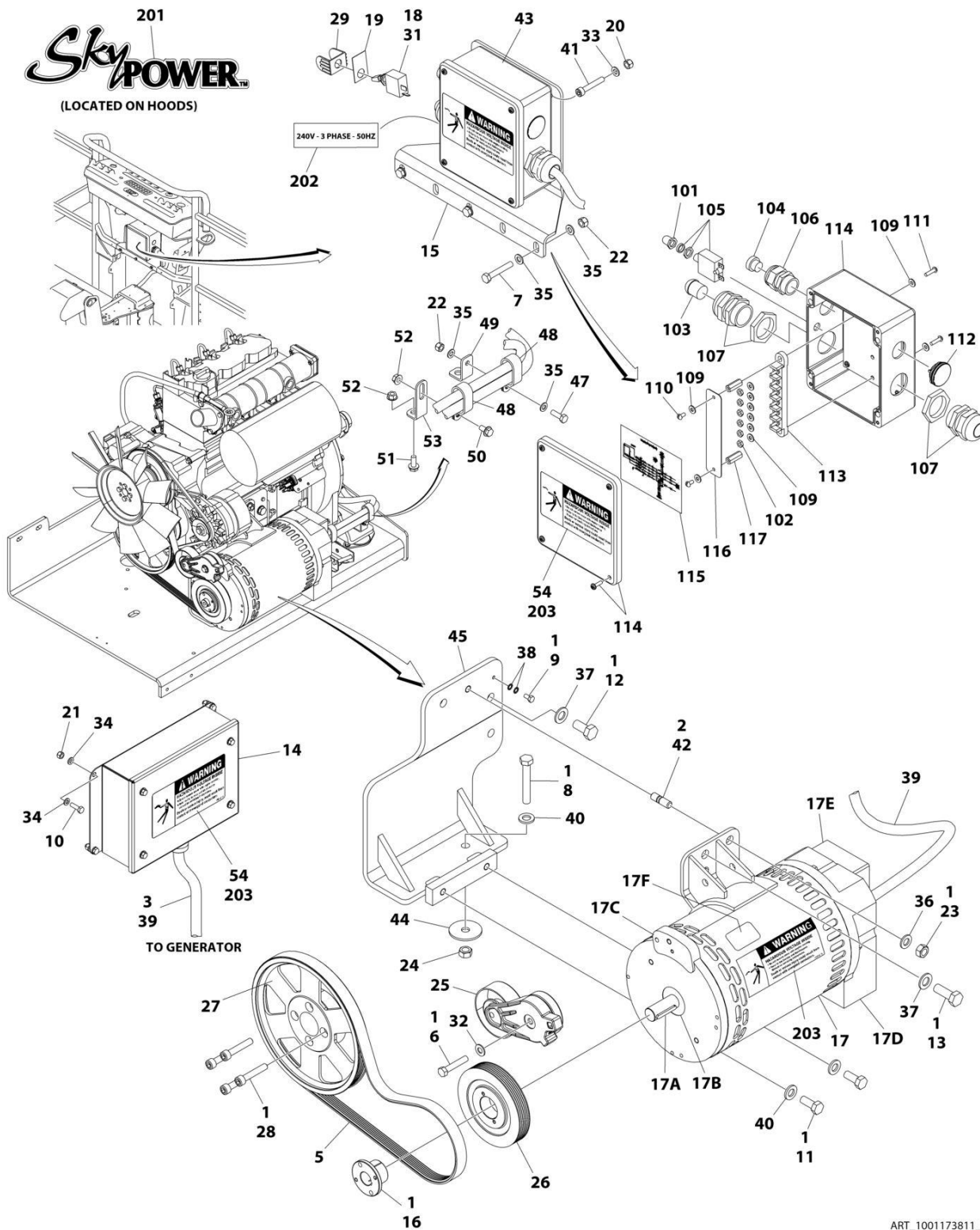
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247656	Ref	GENERATOR INSTALLATION - 4000W/50HZ	G
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641616	1	Bolt 3/8 x 2	
6	0741607	3	Screw 3/8 x 7/8	
7	0760606	1	Bolt M6 x 12	
8	0760610	AR	Bolt M6 x 20	
10	0761212	2	Bolt M12 x 25	
12	0962520	1	Bushing	
13	1321716	2	Clamp	
14	1705489	2	Decal - Hazardous Voltage	
15	2080040	2	Fastener, Huck	
16	2820031	0.33 ft /0.10m	Heat Shrink	
17	3251102	1	Nameplate, Generator	
18	3290605	AR	Nut M6	
19	3291201	2	Nut M12	
21	3580317	1	Pulley	
22	3580319	1	Pulley	
23	1001281192	1	Pulley	
24	1001261085	4	Capscrew M10 x 85	
25	1001261045	4	Capscrew M10 x 45	
26	4060802	1	Guard, Switch	
27	4240099	AR	Tie-Strap (Not Shown)	
28	4360336	1	Switch, Toggle	
29	4711600	1	Washer 3/8	
30	4811700	AR	Washer M6	
31	4812000	4	Washer M14	
33	4871700	2	Washer M6	
34	5241200	4	Washer M12 Hardened	
35	5250810	3	Bolt M8 x 20	
36	5260800	3	Nut M8	
37	1001096070	1	Breaker Box Kit (50Hz) (See Separate Breakdown in ELECTRICAL Section)	
38	1001258800	1	Adapter	
39	1001138566	1	Box, Control	
40	1001140347	1	Generator, 4000W/ 50HZ - Deutz Engine	
40	70003709	1	Ring, Retaining (External)	
40	70003708	1	Ring, Retaining (Internal)	
40	70001966	1	Bearing	
40	70004092	1	Endbell (Shaft End)	
40	70004099	1	Key	
40	70004676	1	Rotor	
40	70004686	1	Stator	
40	70004678	1	Endbell (Rear)	
40	70004679	1	Cover, Endbell (Rear)	
40	70004680	1	Enclosure, Wiring	
40	70004681	1	Cover, Enclosure	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	70004682	1	Switch, Reset (Located on Enclosure Cover)	
40	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
41	1001148059	1	Belt, Generator	
42	1001148641	1	Bracket	
43	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
46	1001174158	1	Mount	
47	1001174675	1	Wiring Diagram (Not Shown)	
48	1001196382	2	Stud	
49	1001223122	1	Support	
50	1001230784	1	Bracket	
51	1001248190	1	Support	
52	4811702	AR	Washer M6	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	4922641	1	Generator Switch Harness (Not Shown)	

SECTION 3 - ENGINE

FIGURE 3-44. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)



ART_1001173811_G

SECTION 3 - ENGINE

FIGURE 3-44. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173811	Ref	GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE)	G
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant (Not Shown)	
5	0480126	1	Belt	
6	0641616	1	Bolt 3/8 x 2	
7	0700818	3	Bolt M8 x 50	
8	0711224	1	Bolt M12 x 80 Grade 10.9	
9	0760606	1	Bolt M6 x 12	
10	0760610	4	Bolt M6 x 20	
11	0761214	2	Bolt M12 x 30	
12	0771414	2	Bolt M14 x 30 Grade 10.9	
13	0771416	1	Bolt M14 x 40	
14	0861572	1	Control Box Assembly	
14	7024488	1	Card, Circuit - Generator Power	
14	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
14	7024489	1	Card, Circuit - Control	
14	70000619	1	Harness, Control Box (Internal)	
15	0902888	1	Bracket	
16	0962520	1	Bushing	
17	2460048	1	Generator Assembly	
17	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
17	70001384	1	Bearing, Ball Radial (Not Shown)	
17	70000863	1	Fan (Not Shown)	
17	70002088	1	Stator (Not Shown)	
17	70002297	1	Stud	
17	70003631	1	Brushholder Assembly (Not Shown)	
17A	70004171	1	Key	
17B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
17B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
17B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
17C	70001953	1	Endbell, Belt Tensioner	
17D	70004169	1	Endbell, Brush Block	
17E	70004169	1	Shroud	
17E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
17E	7027799	1	Block, Connector 6 Position (Not Shown)	
17E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
17E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
17E	70001696	1	Boot, Breaker (Not Shown)	
17E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 39)	
17E	7026597	1	Connector, with Leads (Not Shown)	
17E	7026188	1	Clamp, Cable Options (Not Shown)	
17E	70004169	1	Plate, End Panel	
17E	70001974	1	Decal - Terminal Connections	
17F	70001973	1	Decal - Warning Moving Parts	
18	2820031	AR	Heat Shrink	

SECTION 3 - ENGINE

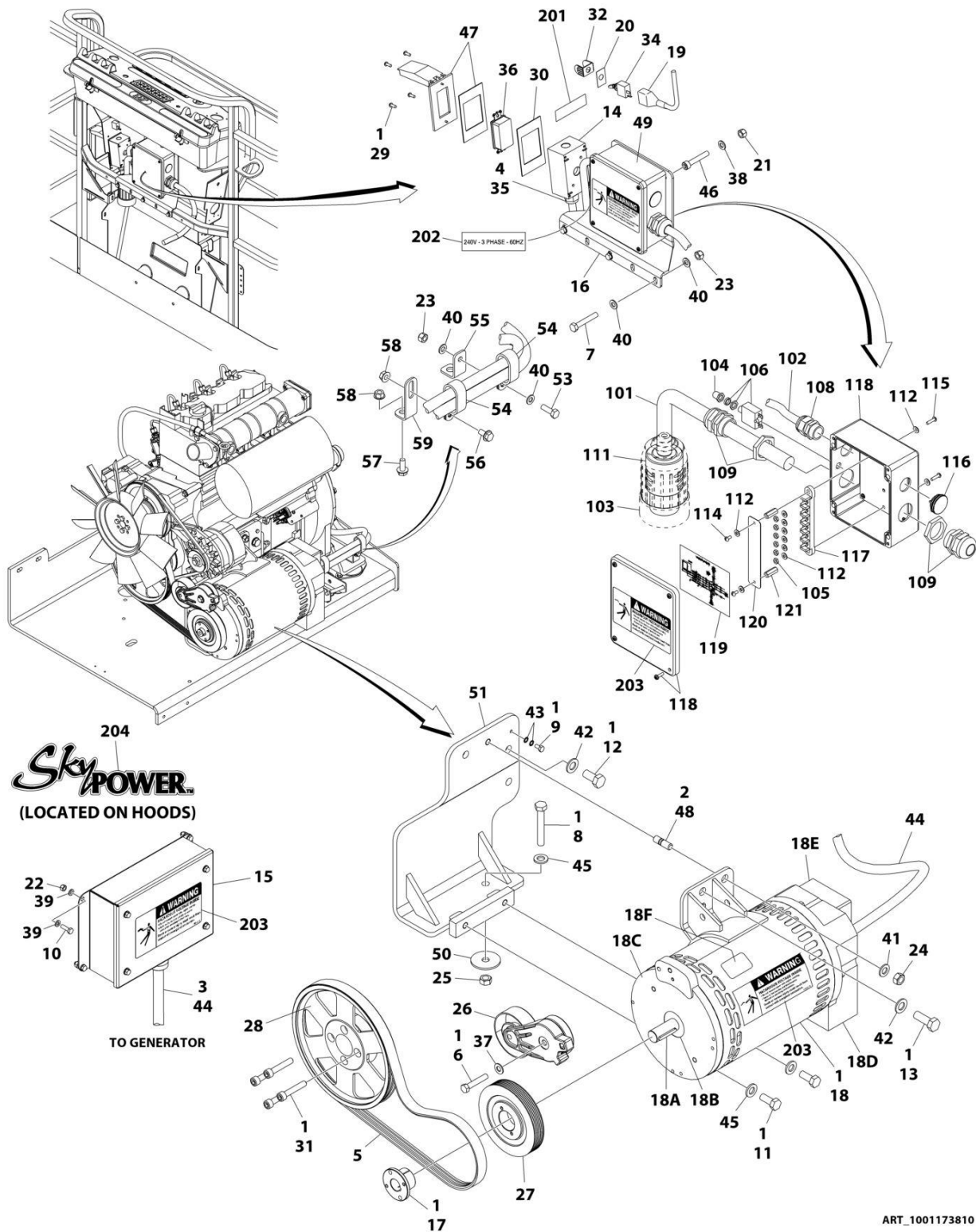
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	3252764	1	Nameplate	B
20	3290505	4	Nut M5	
21	3290605	4	Nut M6	
22	3290805	4	Nut M8	
23	3291201	1	Nut M12	
24	3331211	1	Nut M12	
25	3580317	1	Pulley	
26	3580319	1	Pulley	
27	3580320	1	Pulley	
28	4032015	4	Bolt M10 x 55	
29	4060802	1	Guard, Switch	
30	4240099	AR	Tie-Strap (Not Shown)	
31	4360336	1	Switch, Toggle	
32	4711600	1	Washer 3/8	
33	4811600	4	Washer M5	
34	4811700	8	Washer M6	
35	4811900	8	Washer M8	
36	4812100	1	Washer M12	
37	4812200	3	Washer M14	
38	4871700	2	Washer M6	
39	4922925	1	Harness, Generator	
39	4460225	1	Plug, Male 6 Position (Plugs into Generator)	
39	See Note	NSS	Socket, Female (Use with 4460225)	
39	See Note	NSS	Seal, Plug (Use with 4460225)	
39	See Note	NSS	Seal, Interface (Use with 4460225)	
40	5241200	3	Washer M12 Hardened	
41	1001104029	4	Screw M5 x 30	
42	1001196382	1	Stud	
43	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
44	1001168018	1	Washer, Snubbing	
45	1001173925	1	Mount	
46	1001174675	1	Wiring Diagram (Not Shown)	
46	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
47	0760812	1	Bolt M8 x 25	
48	1321716	2	Clamp	
49	1001148641	1	Bracket	
50	5250808	1	Bolt M8 x 16	
51	5250810	1	Bolt M8 x 20	
52	5260800	2	Nut M8	
53	1001223122	1	Support	
54	1705489	2	Decal - Hazardous Voltage	
	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	Flatwasher #10	
110	10702077	2	Screw #10 x 3/8	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
111	10702082	2	Screw #10 x 3/4	A
112	1001152525	1	Plug	
113	1001157520	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	
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase - 50Hz	
203	1705489	3	Decal - Hazardous Voltage	

SECTION 3 - ENGINE

FIGURE 3-45. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)



SECTION 3 - ENGINE

FIGURE 3-45. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173810	Ref	GENERATOR INSTALLATION - 7500W/60Hz (DEUTZ D2011 ENGINE)	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant	
5	0480128	1	Belt	
6	0641616	1	Bolt 3/8 x 2	
7	0700818	3	Bolt M8 x 50	
8	0711224	1	Bolt M12 x 80 Grade 10.9	
9	0760606	1	Bolt M6 x 12	
10	0760610	4	Bolt M6 x 20	
11	0761214	2	Bolt M12 x 30	
12	0771414	2	Bolt M14 x 30 Grade 10.9	
13	0771416	1	Bolt M14 x 40	
14	0860038	1	Box, Switch	
15	0861538	1	Control Box Assembly	
15	7024488	1	Card, Circuit - Generator Power	
15	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
15	7024489	1	Card, Circuit - Control	
15	70000619	1	Harness, Control Box (Internal)	
16	0902888	1	Bracket	
17	0962520	1	Bushing	
18	2460048	1	Generator Assembly	
18	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
18	70001384	1	Bearing, Ball Radial (Not Shown)	
18	70000863	1	Fan (Not Shown)	
18	70002088	1	Stator (Not Shown)	
18	70002297	1	Stud	
18	70003631	1	Brushholder Assembly (Not Shown)	
18A	70004171	1	Key	
18B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
18B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
18B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
18C	70001953	1	Endbell, Belt Tensioner	
18D	70004169	1	Endbell, Brush Block	
18E	70004169	1	Shroud	
18E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
18E	7027799	1	Block, Connector 6 Position (Not Shown)	
18E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
18E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
18E	70001696	1	Boot, Breaker (Not Shown)	
18E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 39)	
18E	7026597	1	Connector, with Leads (Not Shown)	
18E	7026188	1	Clamp, Cable Options (Not Shown)	
18E	70004169	1	Plate, End Panel	
18E	70001974	1	Decal - Terminal Connections	
18F	70001973	1	Decal - Warning Moving Parts	

SECTION 3 - ENGINE

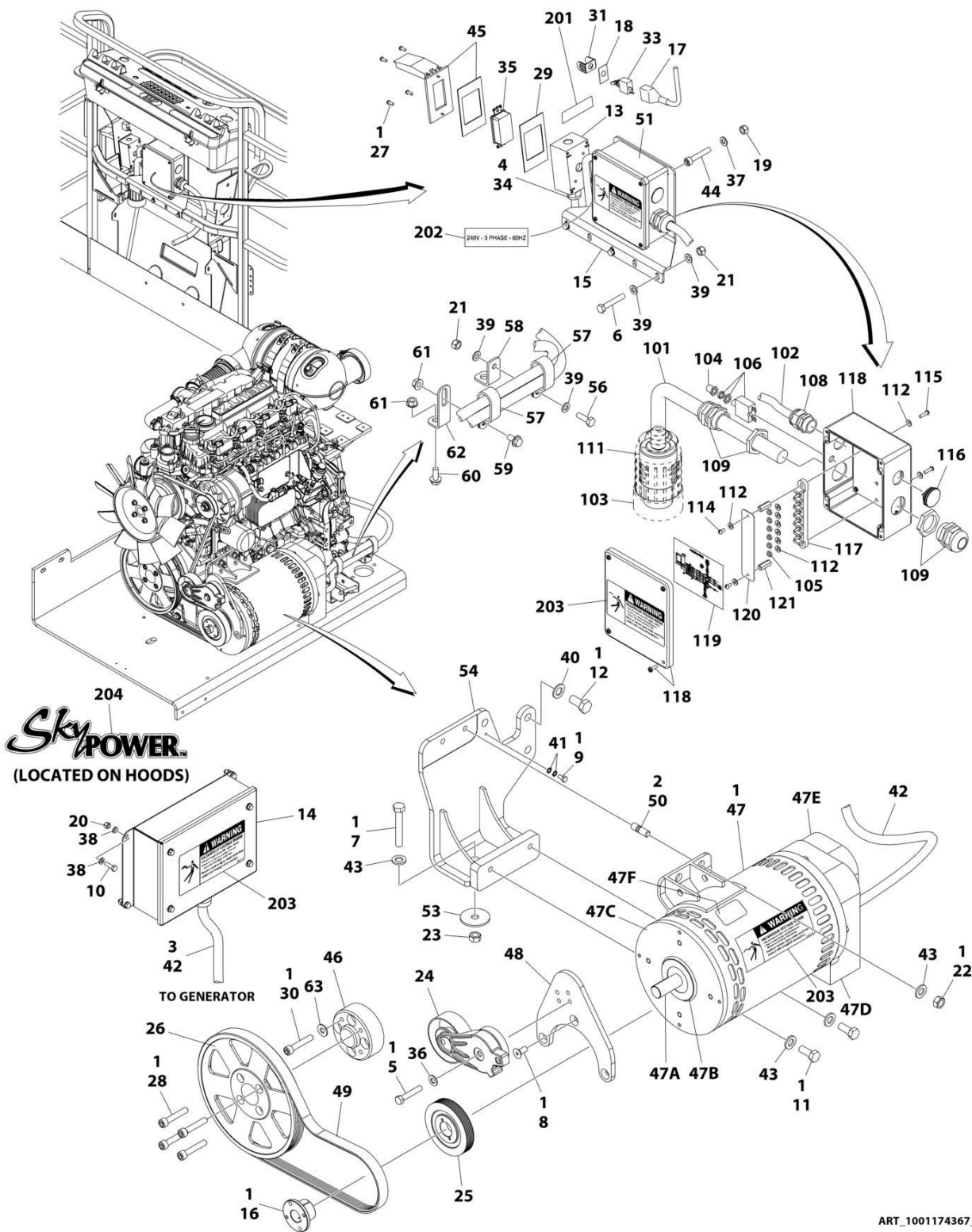
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	2820031	AR	Heat Shrink	
20	3252764	1	Nameplate	
21	3290505	4	Nut M5	
22	3290605	4	Nut M6	
23	3290805	4	Nut M8	
24	3291201	1	Nut M12	
25	3331211	1	Nut M12	
26	3580317	1	Pulley	
27	3580318	1	Pulley	
28	3580320	1	Pulley	
29	3910606	4	Screw #6 x 3/8	
30	3960422	1	Gasket	
31	4032015	4	Bolt M10 x 55	
32	4060802	1	Guard, Switch	
33	4240099	AR	Tie-Strap (Not Shown)	
34	4360336	1	Switch, Toggle	
35	4460071	1	Connector, Strain Relief	
36	4460346	1	Receptacle	
37	4711600	1	Washer 3/8	
38	4811600	4	Washer M5	
39	4811700	8	Washer M6	
40	4811900	8	Washer M8	
41	4812100	1	Washer M12	
42	4812200	3	Washer M14	
43	4871700	2	Washer M6	
44	4922925	1	Harness, Generator	
44	4460225	1	Plug, Male 6 Position (Plugs into Generator)	
44	See Note	NSS	Socket, Female (Use with 4460225)	
44	See Note	NSS	Seal, Plug (Use with 4460225)	
44	See Note	NSS	Seal, Interface (Use with 4460225)	
45	5241200	3	Washer M12 Hardened	
46	1001104029	4	Screw M5 x 30	
47	1001110873	1	Shield, Cover	
48	1001196382	1	Stud	
49	1001157592	1	Junction Box Assembly Options (See Items 101-121 for Breakdown)	
50	1001168018	1	Washer, Snubbing	
51	1001173925	1	Mount	
52	1001174675	1	Wiring Diagram (Not Shown)	
52	4922641	1	Harness, On/Off Switch (Not Shown - Located at Plaform)	
53	0760812	1	Bolt M8 x 25	
54	1321716	2	Clamp	
55	1001148641	1	Bracket	
56	5250808	1	Bolt M8 x 16	
57	5250810	1	Bolt M8 x 20	
58	5260800	2	Nut M8	
59	1001223122	1	Support	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	
101	1060343	1.5 ft /0.5m	Cable, Electrical 10/4	C
102	1001179154	2.5 ft /0.8m	Cable, Electrical 12/3	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	1671092	1	Cover	D B
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	Flatwasher #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	
	0272435	Ref	DECAL INSTALLATION	
	0273380	Ref	DECAL INSTALLATION	
201	3251243	1	Decal - 120V - 60Hz	
202	1705375	1	Decal - 240V - 3 Phase - 60Hz	
203	1705387	3	Decal - Hazardous Voltage	
204	1705460	2	Decal - SkyPower	

SECTION 3 - ENGINE

FIGURE 3-46. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)



SECTION 3 - ENGINE

FIGURE 3-46. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174367	Ref	GENERATOR INSTALLATION - 7500W/60Hz (DEUTZ D2.9L4 ENGINE)	J
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100079	AR	Sealant	
5	0641616	1	Bolt 3/8 x 2	
6	0700818	3	Bolt M8 x 50	
7	0711224	Ref	Bolt M12 x 80 Grade 10.9	
8	0741607	3	Screw 3/8 x 7/8	
9	0760606	1	Bolt M6 x 12	
10	0760610	4	Bolt M6 x 20	
11	0761212	2	Bolt M12 x 25	
12	0771414	Ref	Bolt M14 x 30 Grade 10.9	
13	0860038	1	Box, Switch	
14	0861538	1	Control Box Assembly	
14	7024488	1	Card, Circuit - Generator Power	
14	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
14	7024489	1	Card, Circuit - Control	
14	70000619	1	Harness, Control Box (Internal)	
15	0902888	1	Bracket	
16	0962520	1	Bushing	
17	2820031	AR	Heat Shrink	
18	3252764	1	Nameplate	
19	3290505	4	Nut M5	
20	3290605	4	Nut M6	
21	3290805	4	Nut M8	
22	3291201	2	Nut M12	
23	3331211	Ref	Nut M12	
24	3580317	1	Pulley	
25	3580318	1	Pulley	
26	3580320	1	Pulley	
27	3910606	4	Screw #6 x 3/8	
28	3931628	4	Capscrew 3/8 x 1-3/4	
29	3960422	1	Gasket	
30	4032014	4	Bolt M10 x 50	
31	4060802	1	Guard, Switch	
32	4240099	AR	Tie-Strap (Not Shown)	
33	4360336	1	Switch, Toggle	
34	4460071	1	Connector, Strain Relief	
35	4460346	1	Receptacle	
36	4711600	1	Washer 3/8	
37	4811600	4	Washer M5	
38	4811700	8	Washer M6	
39	4811900	8	Washer M8	
40	4812200	Ref	Washer M14	
41	4871700	2	Washer M6	
42	4922925	1	Harness, Generator	
42	4460225	1	Plug, Male 6 Position (Plugs into Generator)	

SECTION 3 - ENGINE

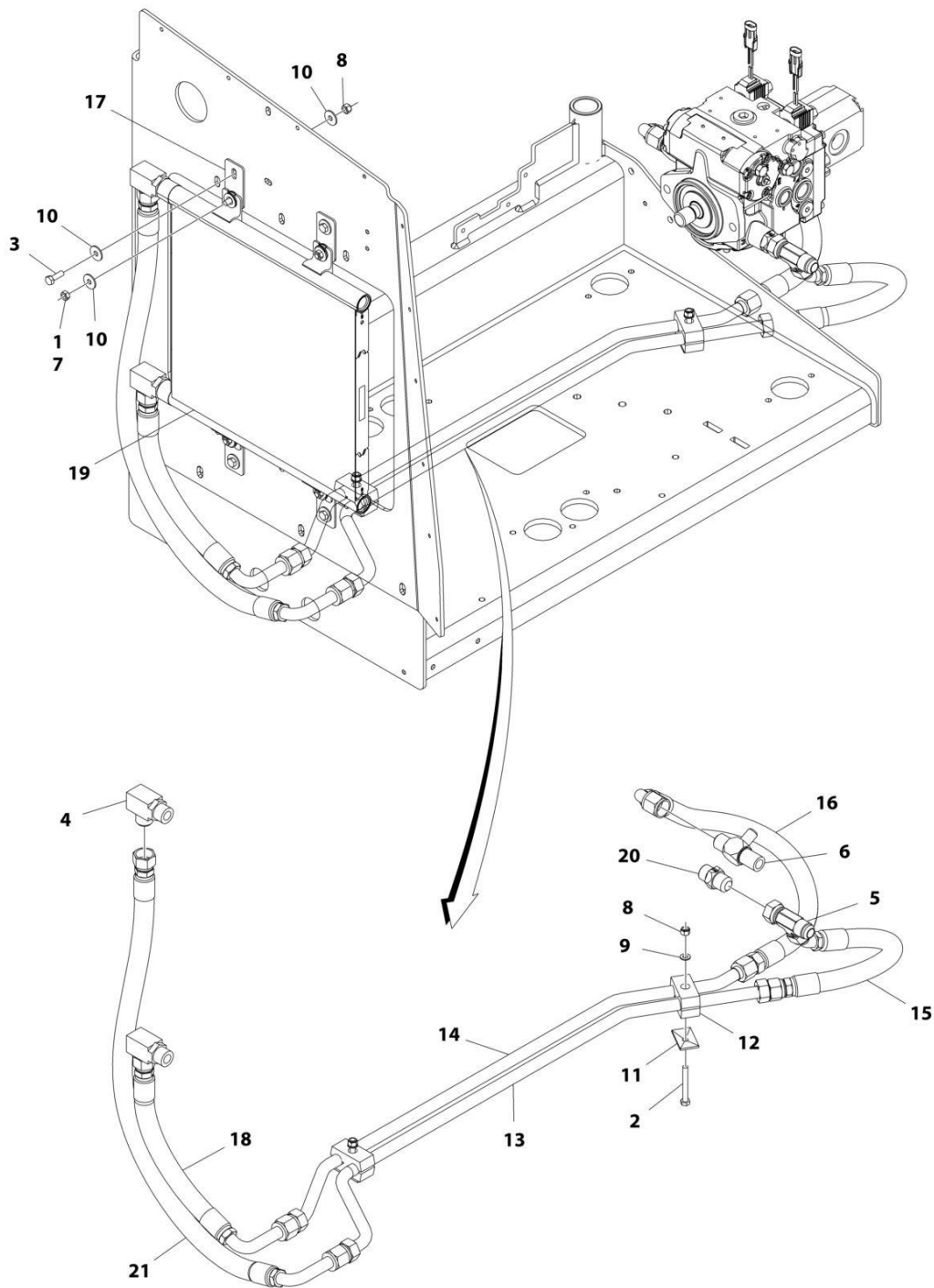
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	See Note	NSS	Socket, Female (Use with 4460225)	
42	See Note	NSS	Seal, Plug (Use with 4460225)	
42	See Note	NSS	Seal, Interface (Use with 4460225)	
43	5241200	5	Washer M12 Hardened	
44	1001104029	4	Screw M5 x 30	
45	1001110873	1	Shield, Cover	
46	1001135679	1	Adapter	
47	1001212223	1	Generator Assembly	
47	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
47	70001384	1	Bearing, Ball Radial (Not Shown)	
47	70000863	1	Fan (Not Shown)	
47	70006093	1	Stator (Not Shown)	
47	70002297	1	Stud	
47	70003631	1	Brushholder Assembly (Not Shown)	
47A	70004099	1	Key	
47B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
47B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
47B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
47C	70004092	1	Endbell, Belt Tensioner	
47D	70004094	1	Endbell, Brush Block	
47E	70006094	1	Shroud	
47E	70002291	1	Insulator, Endbell	
47E	7027799	1	Block, Connector 6 Position (Not Shown)	
47E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
47E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
47E	70006096	1	Guard, Breaker (Not Shown)	
47E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 36)	
47E	7026597	1	Connector, with Leads (Not Shown)	
47E	70004098	1	Clamp, Cable (Not Shown)	
47E	70006097	1	Plate, End Panel	
47E	70001974	1	Decal - Terminal Connections	
47F	70001973	1	Decal - Warning Moving Parts	
48	1001142643	1	Support	
49	1001142646	1	Belt	
50	1001196382	2	Stud	
51	1001157592	1	Junction Box Assembly Options (See Items 101-121 for Breakdown)	
53	1001168018	Ref	Washer, Snubbing	
54	1001168207	Ref	Support	
55	1001174675	1	Wiring Diagram (Not Shown)	
55	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
56	0760812	1	Bolt M8 x 25	
57	1321716	2	Clamp	
58	1001148641	1	Bracket	
59	5250808	1	Bolt M8 x 16	
60	5250810	1	Bolt M8 x 20	
61	5260800	2	Nut M8	
62	1001223122	1	Support	
63	4812000	4	Washer M10	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1060343	1.5 ft/ 0.5m	Cable, Electrical 10/4	
102	1001179154	2.5 ft/ 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	Flatwasher #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	
	0272435	Ref	DECAL INSTALLATION	
	0273380	Ref	DECAL INSTALLATION	
201	3251243	1	Decal - 120V - 60Hz	
202	1705375	1	Decal - 240V - 3 Phase - 60Hz	
203	1705387	3	Decal - Hazardous Voltage	
204	1705460	2	Decal - SkyPower	
				D
				B

SECTION 3 - ENGINE

FIGURE 3-47. OIL COOLER INSTALLATION - DEUTZ D2011 ENGINES (ANSI EXPORT, CE & UK CA (LRC) SPECS)



ART_1001258340

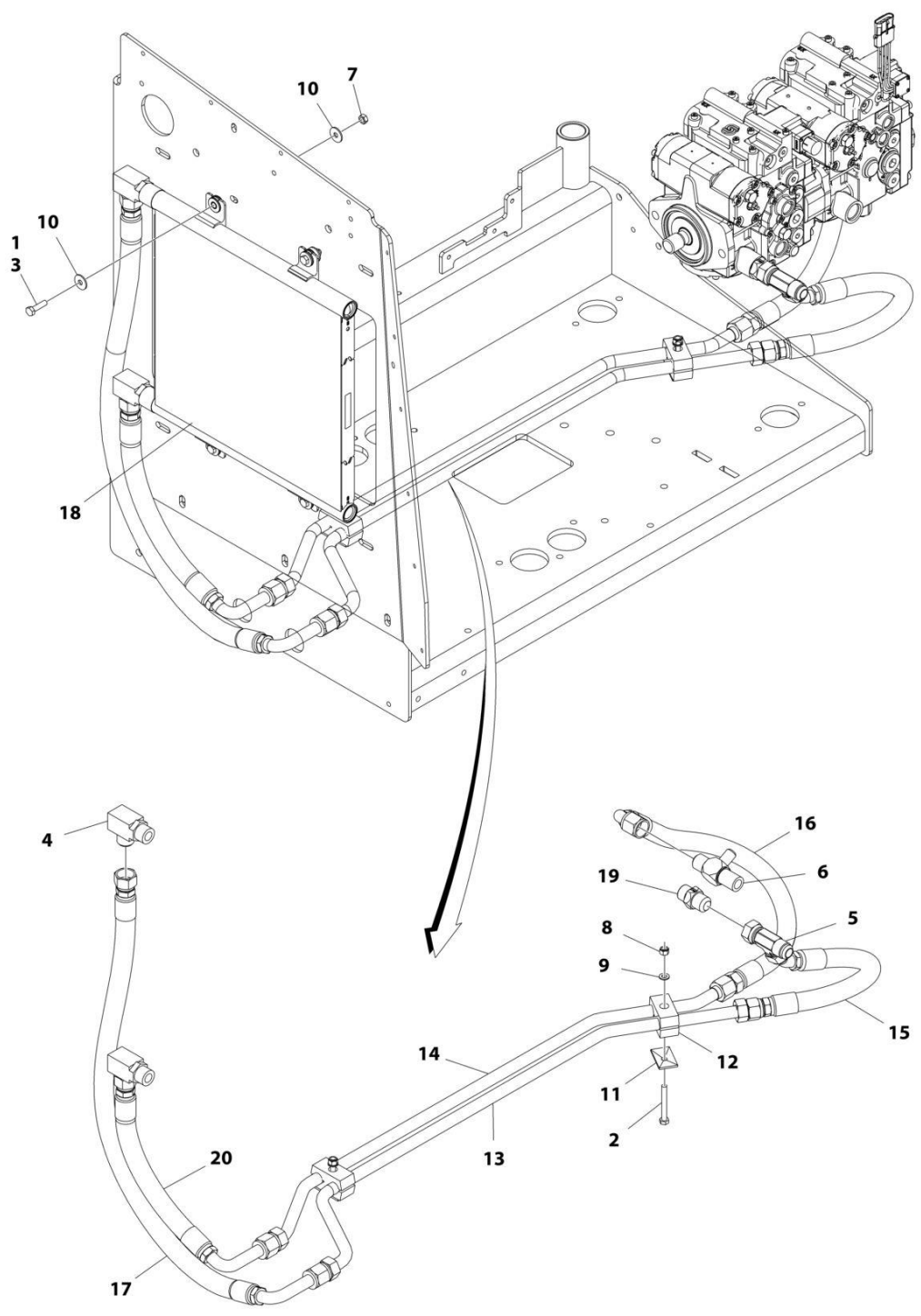
SECTION 3 - ENGINE

FIGURE 3-47. OIL COOLER INSTALLATION - DEUTZ D2011 ENGINES (ANSI EXPORT, CE & UK CA (LRC) SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258340	Ref	OIL COOLER INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0700821	2	Bolt M8 x 65	
3	0760812	4	Bolt M8 x 25	
4	2220578	2	Fitting, 90 JIC/ORB	
5	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
6	2221063	1	Fitting, Tee JIC/ORB/JIC	
7	3290801	4	Nut M8 x 1.25	
8	3290805	6	Nut, Lock M8 x 1.25	
9	4811900	2	Washer M8	
10	4811902	12	Washer M8	
11	8769128	2	Cover Plate, Twin	
12	8769139	2	Clamp Set	
13	1001164487	1	Tube, Hydraulic Oil Cooler	
14	1001164489	1	Tube, Hydraulic Oil Cooler	
15	1001164491	1	Hose	
16	1001164492	1	Hose	
17	1001166338	4	Bracket, Mount	
18	1001173657	1	Hose	
19	1001177523	1	Radiator, Hyd Oil Cooler	
20	1001179156	1	Valve, Check	
21	1001179440	1	Hose	

SECTION 3 - ENGINE

FIGURE 3-48. OIL COOLER INSTALLATION - DEUTZ D2.9L4 ENGINES/DEUTZ D2.9L4 (STAGE V) ENGINES (ANSI, ANSI EXPORT, CE, CSA, JAPAN & UK CA SPECS)



ART_1001258341

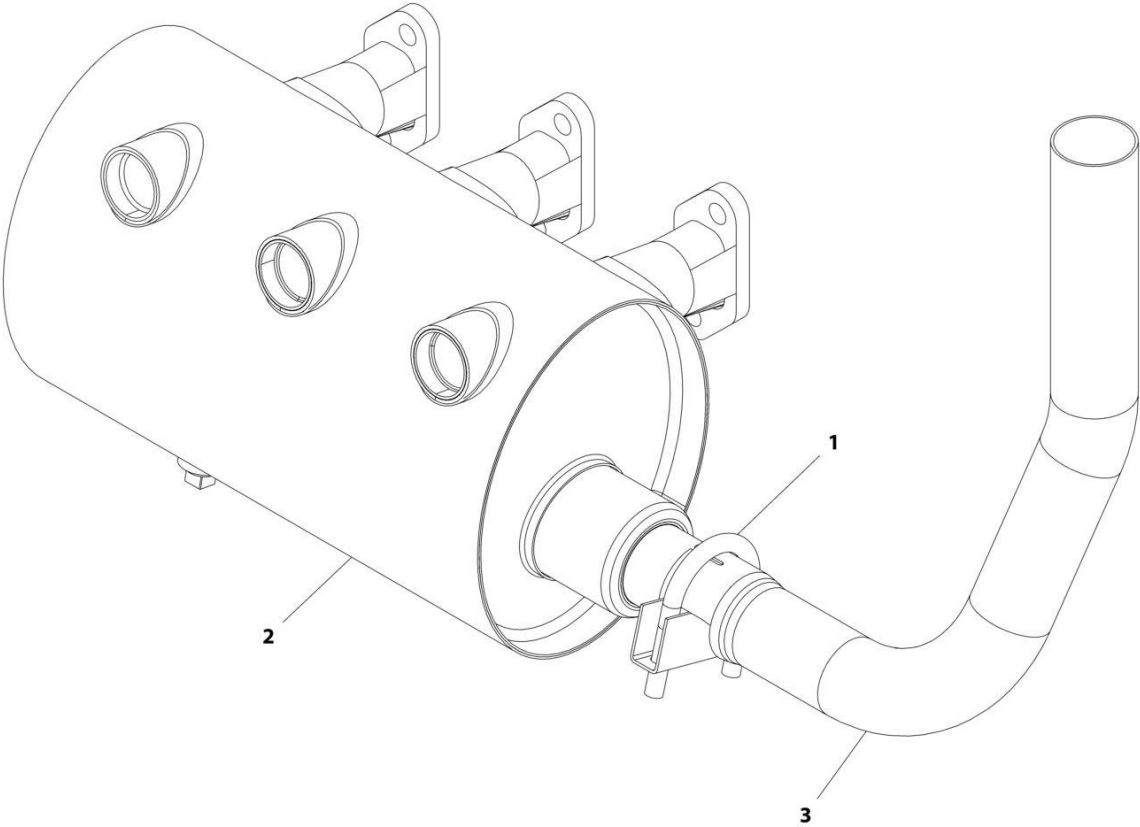
SECTION 3 - ENGINE

FIGURE 3-48. OIL COOLER INSTALLATION - DEUTZ D2.9L4 ENGINES/DEUTZ D2.9L4 (STAGE V) ENGINES (ANSI, ANSI EXPORT, CE, CSA, JAPAN & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258341	Ref	OIL COOLER INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0700821	2	Bolt M8 x 65	
3	0760814	4	Bolt M8 x 30	
4	2220578	2	Fitting, 90 JIC/ORB	
5	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
6	2221063	1	Fitting, Tee JIC/ORB/JIC	
7	3290801	4	Nut M8 x 1.25	
8	3290805	2	Nut M8	
9	4811900	2	Washer M8	
10	4811902	8	Washer M8	
11	8769128	2	Cover Plate, Twin	
12	8769139	2	Clamp Set	
13	1001164487	1	Tube, Hydraulic Oil Cooler	
14	1001164489	1	Tube, Hydraulic Oil Cooler	
15	1001164491	1	Hose	
16	1001164492	1	Hose	
17	1001173656	1	Hose	
18	1001177523	1	Radiator, Hydraulic Oil Cooler	
19	1001179156	1	Valve, Check	
20	1001179426	1	Hose	

SECTION 3 - ENGINE

FIGURE 3-49. SPARK ARRESTOR INSTALLATION - ANSI EXPORT SPECS



ART_1001175071

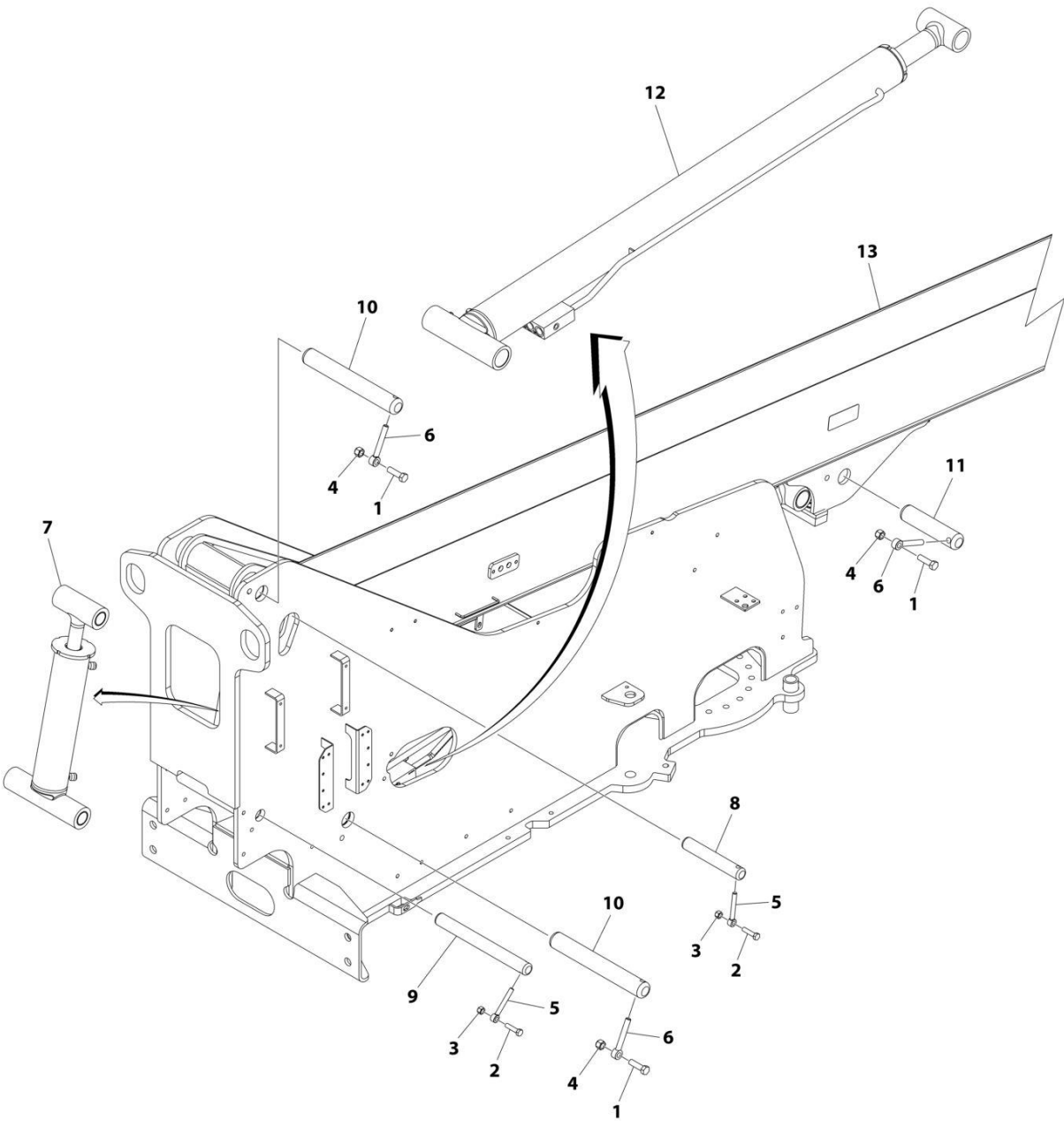
FIGURE 3-49. SPARK ARRESTOR INSTALLATION - ANSI EXPORT SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175071	Ref	SPARK ARRESTOR INSTALLATION	A
1	1320176	1	Clamp	
2	1001170224	1	Muffler, Spark Arresting	
3	1001175068	1	Pipe, Exhaust	

SECTION 4 - BOOM

SECTION 4 - BOOM

FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION (400SC)



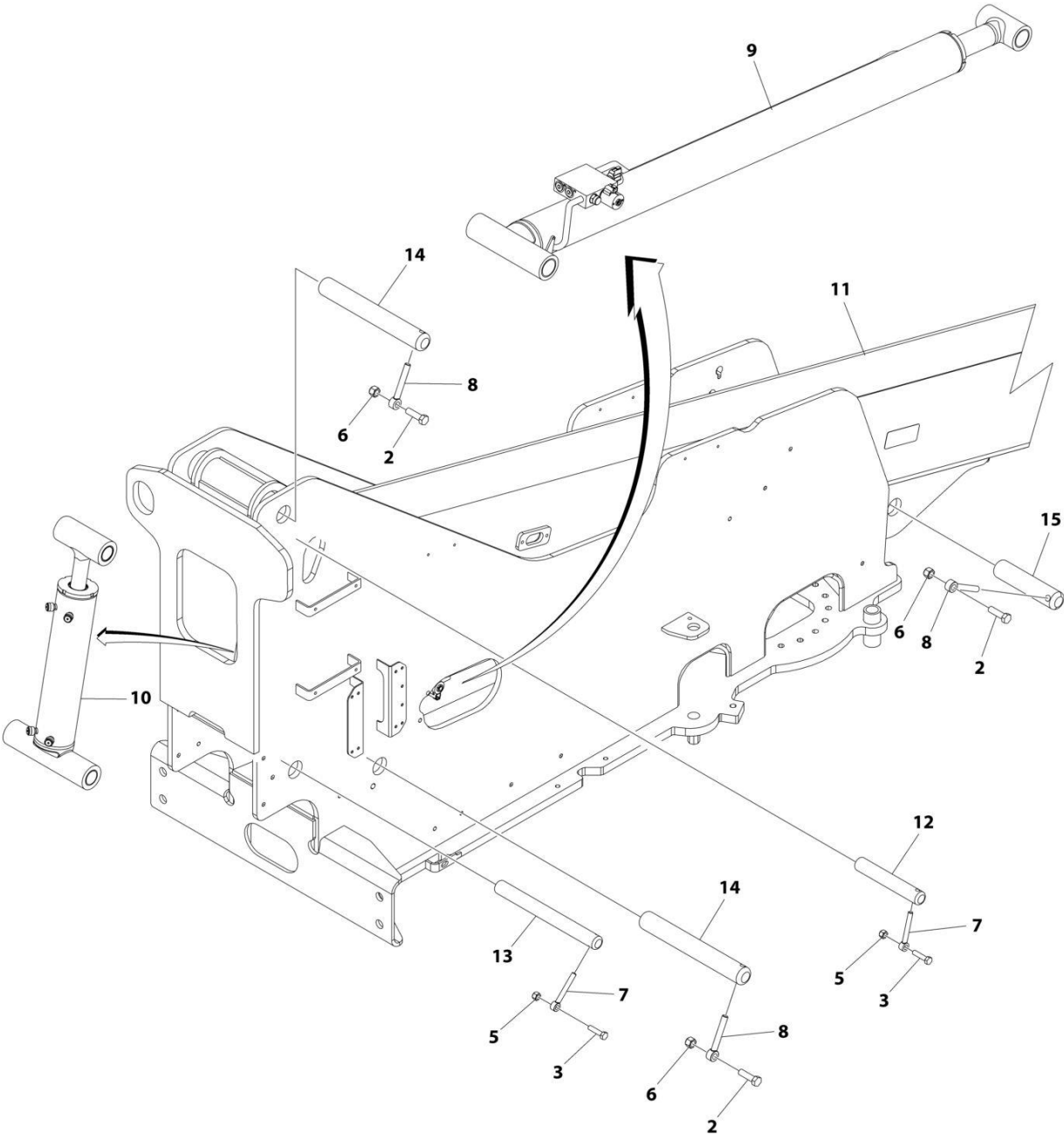
ART_1001244873

FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244873	Ref	BOOM AND CYLINDERS INSTALLATION	A
1	0701619	3	Bolt, M16 x 55	
2	0761218	2	Bolt, M12 x 50	
3	3291205	2	Nut, Lock M12 x 1.75	
4	3291605	3	Nut, Lock M16 x 2	
5	3841203	2	Keeper, Pin	
6	3841258	3	Keeper, Pin	
7	1001163385	1	Master Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
8	1001168843	1	Pin	
9	1001168844	1	Pin	
10	1001168845	2	Pin	
11	1001168854	1	Pin	
12	1001228092	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
13	1001244874	1	Main Boom Assembly (See Separate Breakdown in this Section)	

SECTION 4 - BOOM

FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION (460SJC)



ART_1001169669

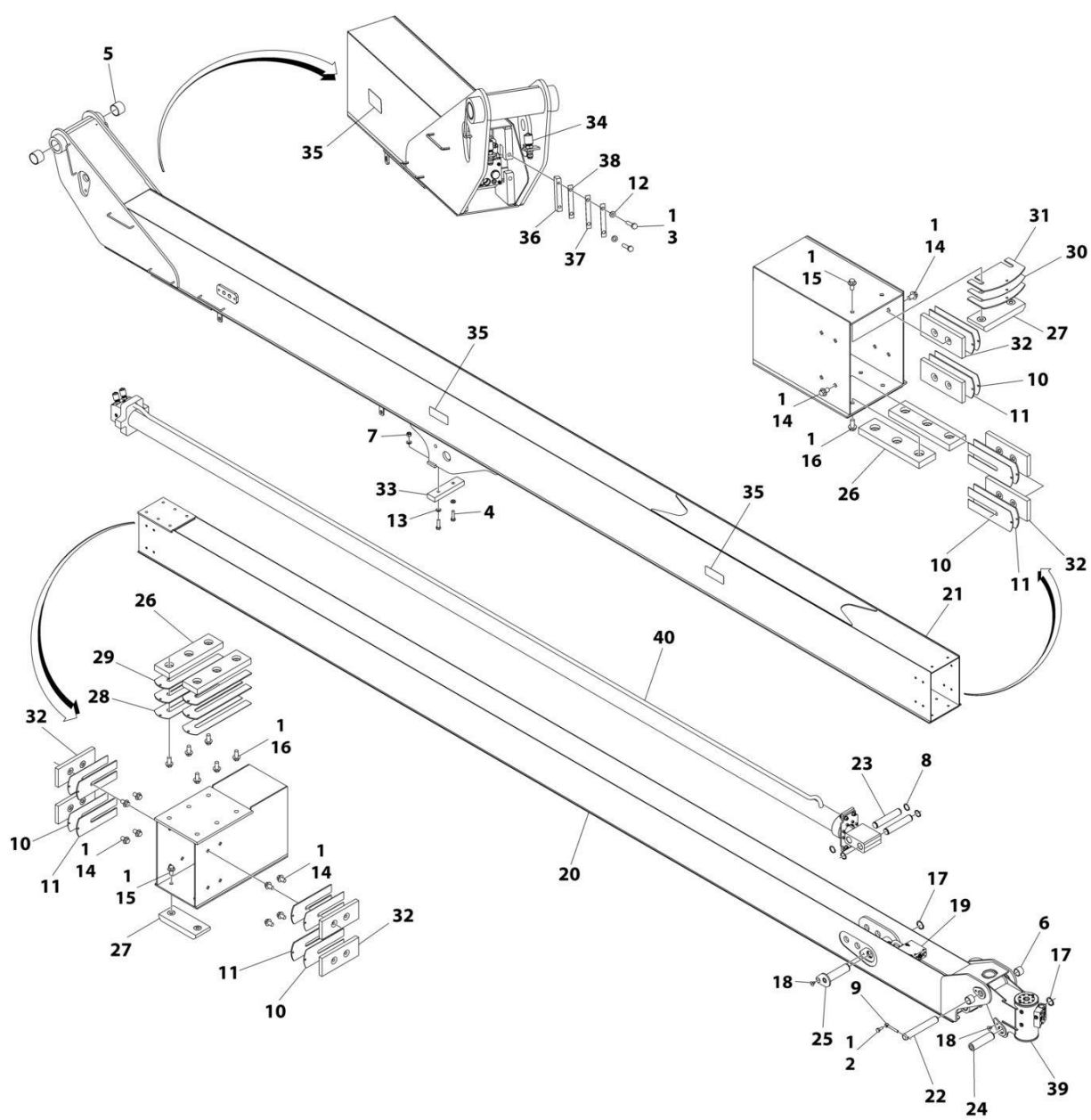
SECTION 4 - BOOM

FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169669	Ref	BOOM AND CYLINDERS INSTALLATION	H
2	0701619	3	Bolt M16 x 55	
3	0761218	2	Bolt M12 x 50	
5	3291205	2	Nut M12 x 1.75	
6	3291605	3	Nut M16 x 2	
7	3841203	2	Keeper, Pin	
8	3841258	3	Keeper, Pin	
9	1001228092	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
10	1001163385	1	Master Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
11	1001163482	1	Main Boom Assembly (See Separate Breakdown in this Section)	
12	1001168843	1	Pin	
13	1001168844	1	Pin	
14	1001168845	2	Pin	
15	1001168854	1	Pin	

SECTION 4 - BOOM

FIGURE 4-3. MAIN BOOM ASSEMBLY (400SC)



ART_1001244874

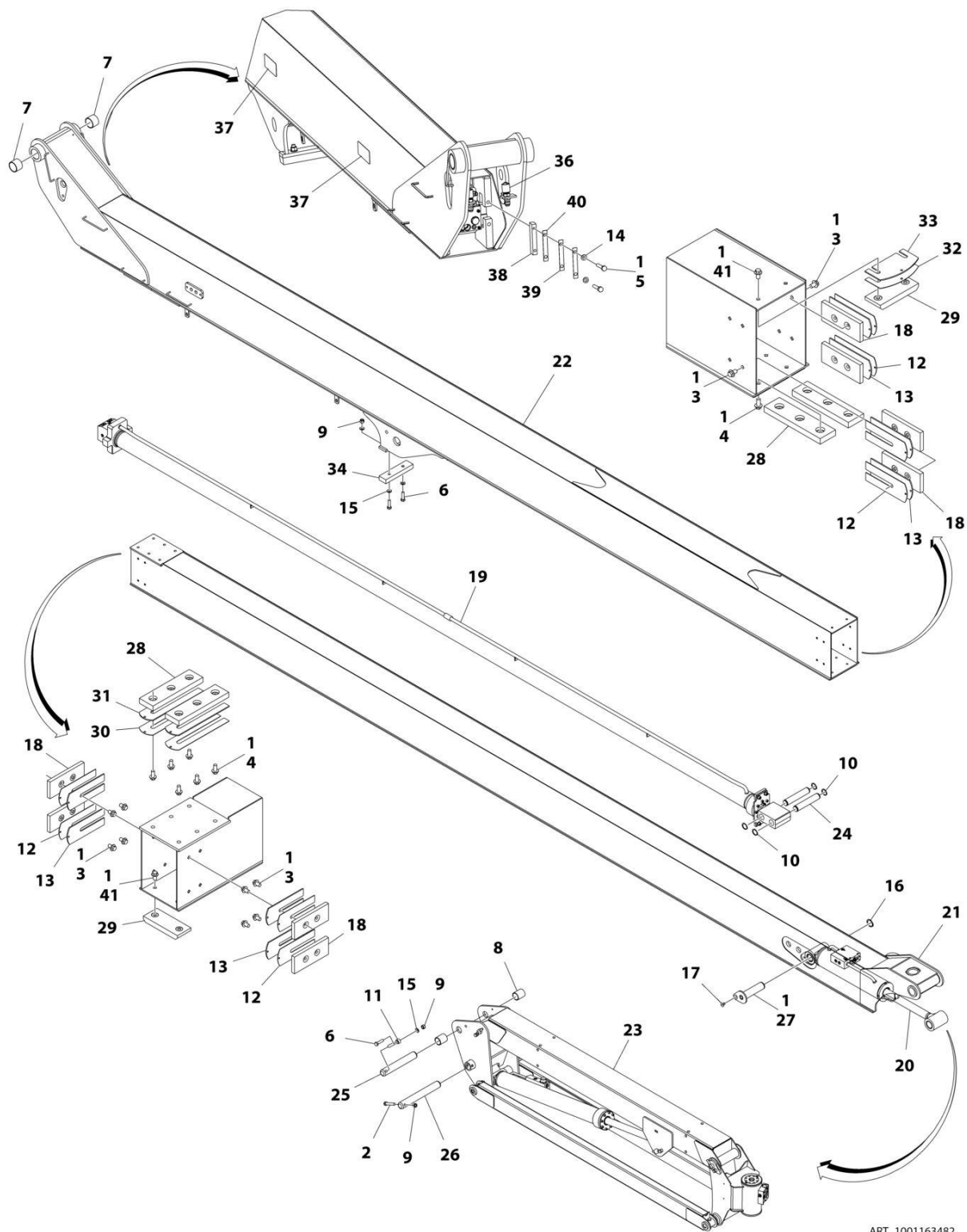
SECTION 4 - BOOM

FIGURE 4-3. MAIN BOOM ASSEMBLY (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244874	Ref	MAIN BOOM ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0761012	1	Bolt M10 x 25	
3	0761019	4	Bolt M10 x 55	
4	0761217	2	Bolt M12 x 45	
5	0961950	2	Bearing	
6	0961951	2	Bushing	
7	3291205	2	Nut M12	
8	3760133	4	Ring	
9	3841143	1	Keeper, Pin	
10	4070897	AR	Shim 18 Ga	
11	4070898	AR	Shim 11 Ga	
12	4812000	4	Washer M10	
13	4812100	4	Washer M12	
14	5251008	16	Bolt M10 x 16	
15	5251009	4	Bolt M10 x 18	
16	5251011	12	Bolt M10 x 22	
17	1001099560	2	Ring, Retaining	
18	1001137032	2	Screw M10 x 16	
19	1001163386	1	Level (Platform Slave) Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
20	1001163459	1	Fly, Boom	
21	1001163470	1	Base, Boom	
22	1001168841	1	Pin	
23	1001168842	2	Pin	
24	1001168848	1	Pin	
25	1001168849	1	Pin	
26	1001169284	4	Pad	
27	1001169285	2	Pad	
28	1001169286	AR	Shim	
29	1001169287	AR	Shim	
30	1001169288	AR	Shim	
31	1001169289	AR	Shim	
32	1001169380	8	Pad	
33	1001171067	1	Pad	
34	1001171112	2	Hose	
35	1001171324	6	Cover	
36	1001171667	2	Bar	
37	1001171966	AR	Shim 20Ga	
38	1001171967	AR	Shim 16Ga	
39	1001221927	1	Platform Rotator Assembly (See Separate Breakdown in this Section)	
40	1001251075	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	

SECTION 4 - BOOM

FIGURE 4-4. MAIN BOOM ASSEMBLY (460SJC)



ART_1001163482

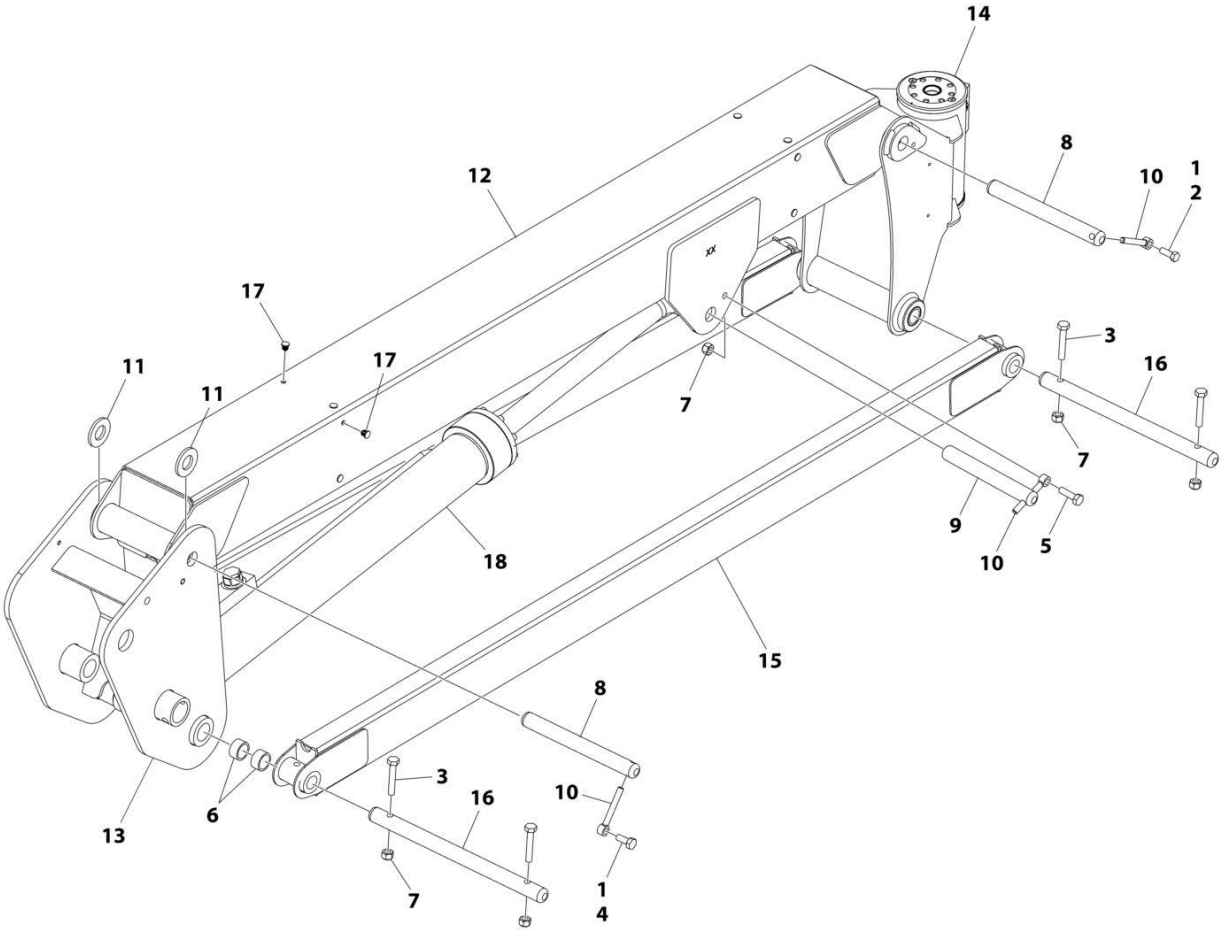
SECTION 4 - BOOM

FIGURE 4-4. MAIN BOOM ASSEMBLY (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163482	Ref	MAIN BOOM ASSEMBLY	J
1	0100011	AR	Compound, Locking	
2	0701222	1	Bolt M12 x 70	
3	5251008	16	Bolt M10 x 16	
4	5251011	12	Bolt M10 x 22	
5	0761019	4	Bolt M10 x 55	
6	0761217	3	Bolt M12 x 45	
7	0961950	2	Bearing	
8	0962348	2	Bearing	
9	3291205	4	Nut M12 x 1.75	
10	3760133	4	Ring, Retaining	
11	3841203	1	Keeper, Pin	
12	4070897	AR	Shim, 18Ga	
13	4070898	AR	Shim, 11Ga	
14	4812000	4	Washer, M10	
15	4812100	5	Washer, M12	
16	1001099560	1	Ring, Retaining	
17	1001137032	1	Screw M10 x 16	
18	1001169380	8	Pad	
19	1001251075	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
20	1001163386	1	Level (Platform Slave) Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
21	1001163483	1	Fly, Boom	
22	1001163492	1	Base, Boom	
23	1001247048	1	Jib Boom Assembly (See Separate Breakdown in this Section)	
24	1001168842	2	Pin	
25	3422793	1	Pin	
26	1001168847	1	Pin	
27	1001168849	1	Pin	
28	1001169284	4	Pad	
29	1001169285	2	Pad	
30	1001169286	AR	Shim	
31	1001169287	AR	Shim	
32	1001169288	AR	Shim	
33	1001169289	AR	Shim	
34	1001171067	1	Pad	
36	1001171112	2	Hose	
37	1001171324	2	Cover	
38	1001171667	2	Bar	
39	1001171966	AR	Shim, 20Ga	
40	1001171967	AR	Shim, 16Ga	
41	5251009	4	Bolt M10 x 18	

SECTION 4 - BOOM

FIGURE 4-5. JIB BOOM ASSEMBLY (460SJC)



ART_1001247048

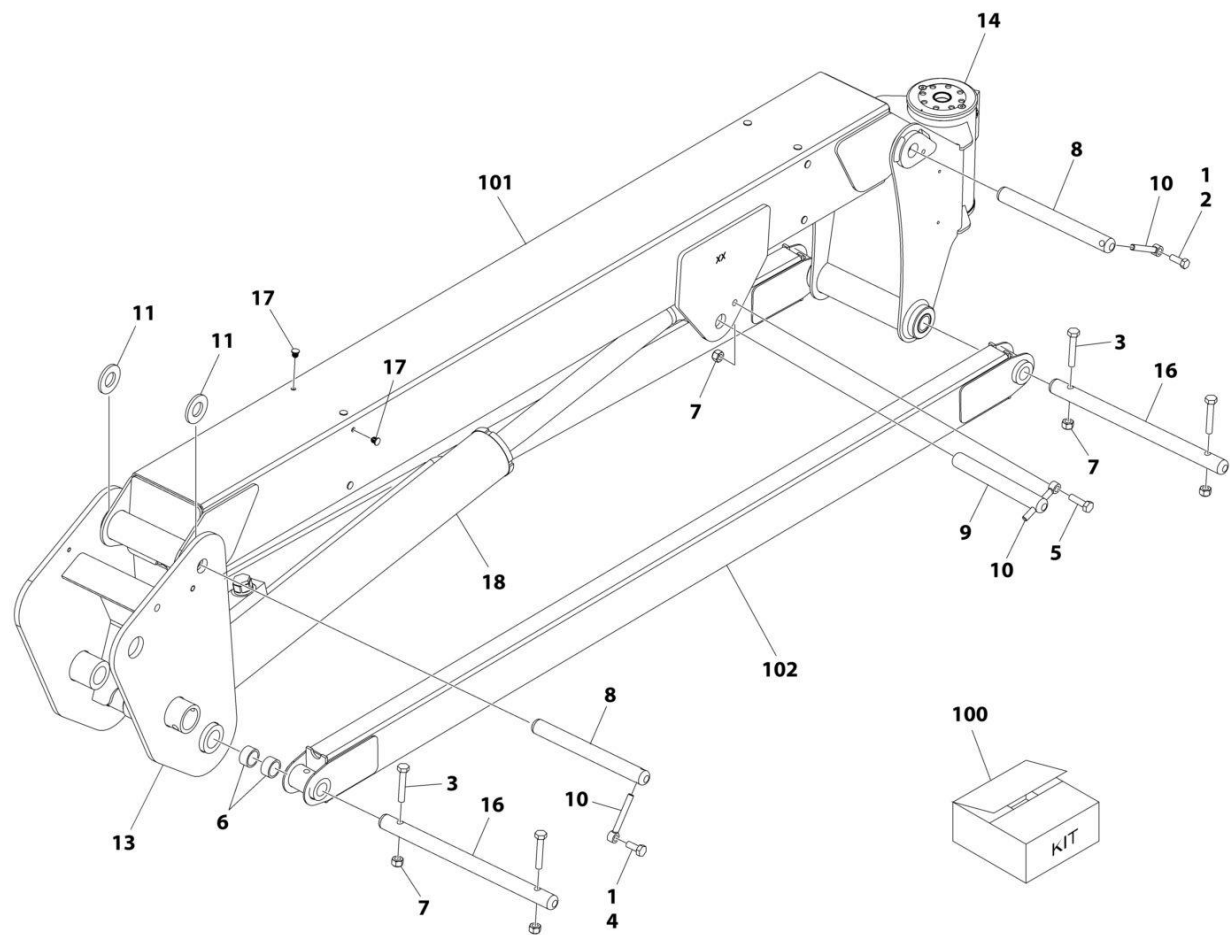
SECTION 4 - BOOM

FIGURE 4-5. JIB BOOM ASSEMBLY (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247048	Ref	JIB BOOM ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0641608	1	Bolt 3/8 x 1	
3	0701020	4	Bolt M10 x 60	
4	0761012	1	Bolt M10 x 25	
5	0761015	1	Bolt M10 x 35	
6	0961947	4	Bearing	
7	3291005	5	Nut M10	
8	3422860	2	Pin	
9	3422867	1	Pin	
10	3841143	3	Keeper, Pin	
11	4740439	2	Washer, Thrust	
12	4844816	1	Tube (Upper)	
12	0962335	4	Bushing	
13	1001165567	1	Pivot	
14	1001181051	1	Rotator Assembly (See Separate Breakdown in this Section)	
15	4844817	2	Tube, Lower	
16	3422861	2	Pin	
17	1001223899	8	Fastener	
18	1001248012	1	Lift Cylinder Assembly - Jib (See Separate Breakdown in CYLINDER SECTION)	

SECTION 4 - BOOM

FIGURE 4-6. JIB BOOM ASSEMBLY (460SJC) (SN 0300307137 to Present)



ART_1001247048_E

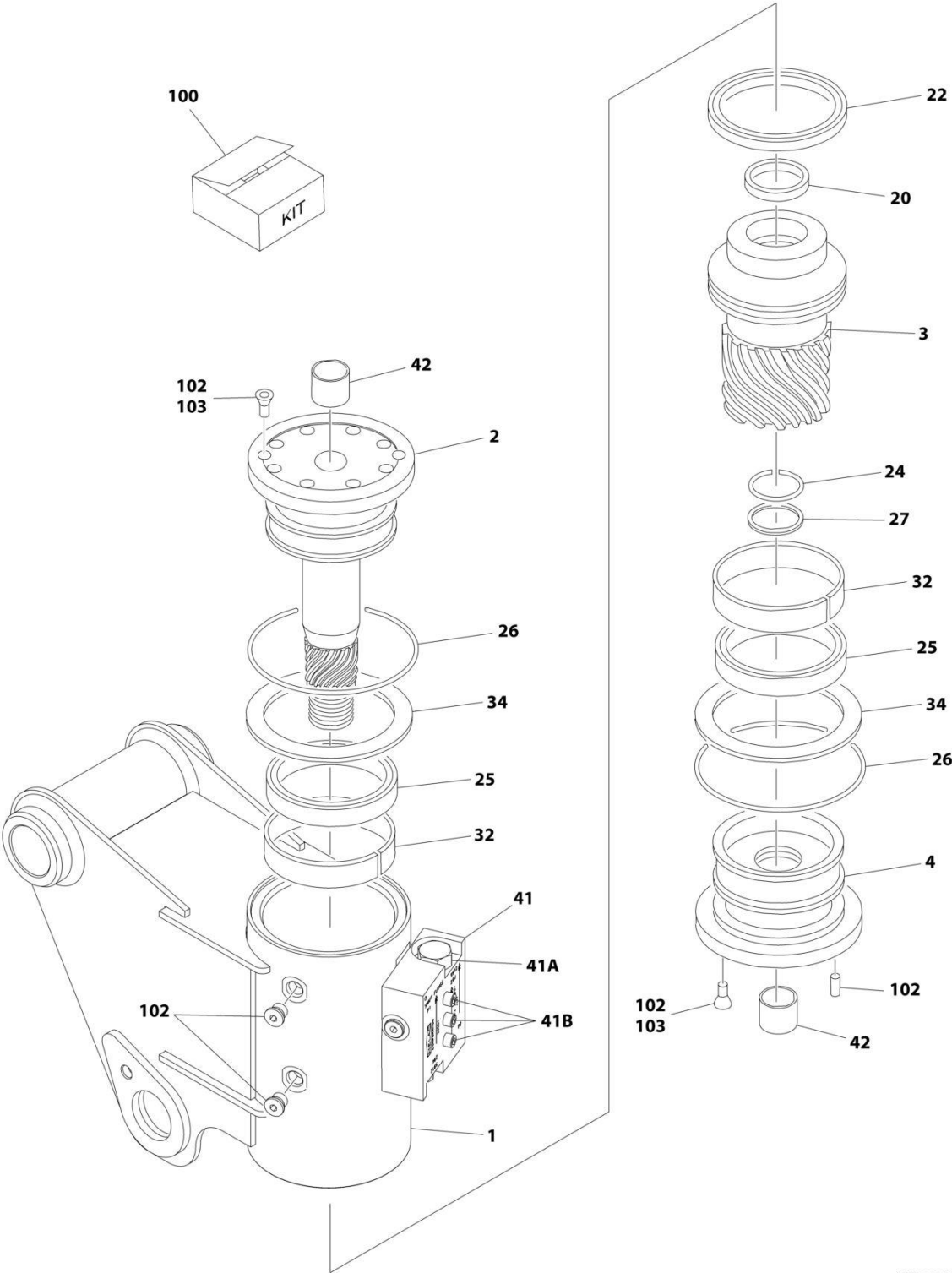
SECTION 4 - BOOM

FIGURE 4-6. JIB BOOM ASSEMBLY (460SJC) (SN 0300307137 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247048	Ref	JIB BOOM ASSEMBLY	E
1	0100011	AR	Compound, Locking	
2	0641608	1	Bolt 3/8 x 1	
3	0701020	4	Bolt M10 x 60	
4	0761012	1	Bolt M10 x 25	
5	0761015	1	Bolt M10 x 35	
6	0961947	4	Bearing	
7	3291005	5	Nut M10	
8	3422860	2	Pin	
9	3422867	1	Pin	
10	3841143	3	Keeper, Pin	
11	4740439	2	Washer, Thrust	
13	1001165567	1	Pivot	
14	1001181051	1	Rotator Assembly (See Separate Breakdown in this Section)	
16	3422861	2	Pin	
17	1001223899	8	Fastener	
18	1001251012	1	Lift Cylinder Assembly - Jib (See Separate Breakdown in CYLINDER Section)	
100	1001295242	1	Tube Kit	A
101	4844816	1	Tube, Top	
101	0962335	4	Bushing	
102	4844817	2	Tube, Bottom	

SECTION 4 - BOOM

FIGURE 4-7. ROTATOR ASSEMBLY (400SC)



ART_1001221927

FIGURE 4-7. ROTATOR ASSEMBLY (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221927	Ref	ROTATOR ASSEMBLY - 400SC	A
1	See Note	NSS	Housing/Ring Gear Assembly (Note: Not Available - Purchase Complete Rotator Assembly)	
2	7017162	1	Shaft Weldment	
3	7017163	1	Piston/Sleeve Assembly	
4	7017164	1	Cap, End	
20	See Note	NSS	T-Seal (Note: Use Item 100)	
22	See Note	NSS	T-Seal (Note: Use Item 100)	
24	See Note	NSS	O-Ring (Note: Use Item 100)	
25	See Note	NSS	Seal (Note: Use Item 100)	
26	See Note	NSS	O-Ring (Note: Use Item 100)	
27	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
32	See Note	NSS	Ring, Wear (Note: Use Item 101)	
34	See Note	NSS	Washer, Thrust (Note: Use Item 101)	
40	70006580	1	Tube, Stop (Not Shown)	
41	7017172	AR	Valve Assembly	
41A	7017192	2	Cartridge, Valve	
41A	See Note	NSS	Seal Kit - 7017192 Valve (Note: Not Available for Purchase)	
41B	See Note	3	Bolt 1/4 x 1-1/2 (Grade 8) (Note: Not Available - Purchase Locally)	
42	7017195	2	Bushing	
100	70000342	1	Seal Kit (Includes Items 20, 22, 24, 25, 27)	
101	7017159	1	Bearing Kit (Includes Items 32 & 34)	
102	7017142	1	Hardware Kit	
103	70001697	4	Screw, Countersunk 1/4 x 3/8 Grade 8	

334

400SC_460SJC

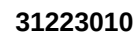
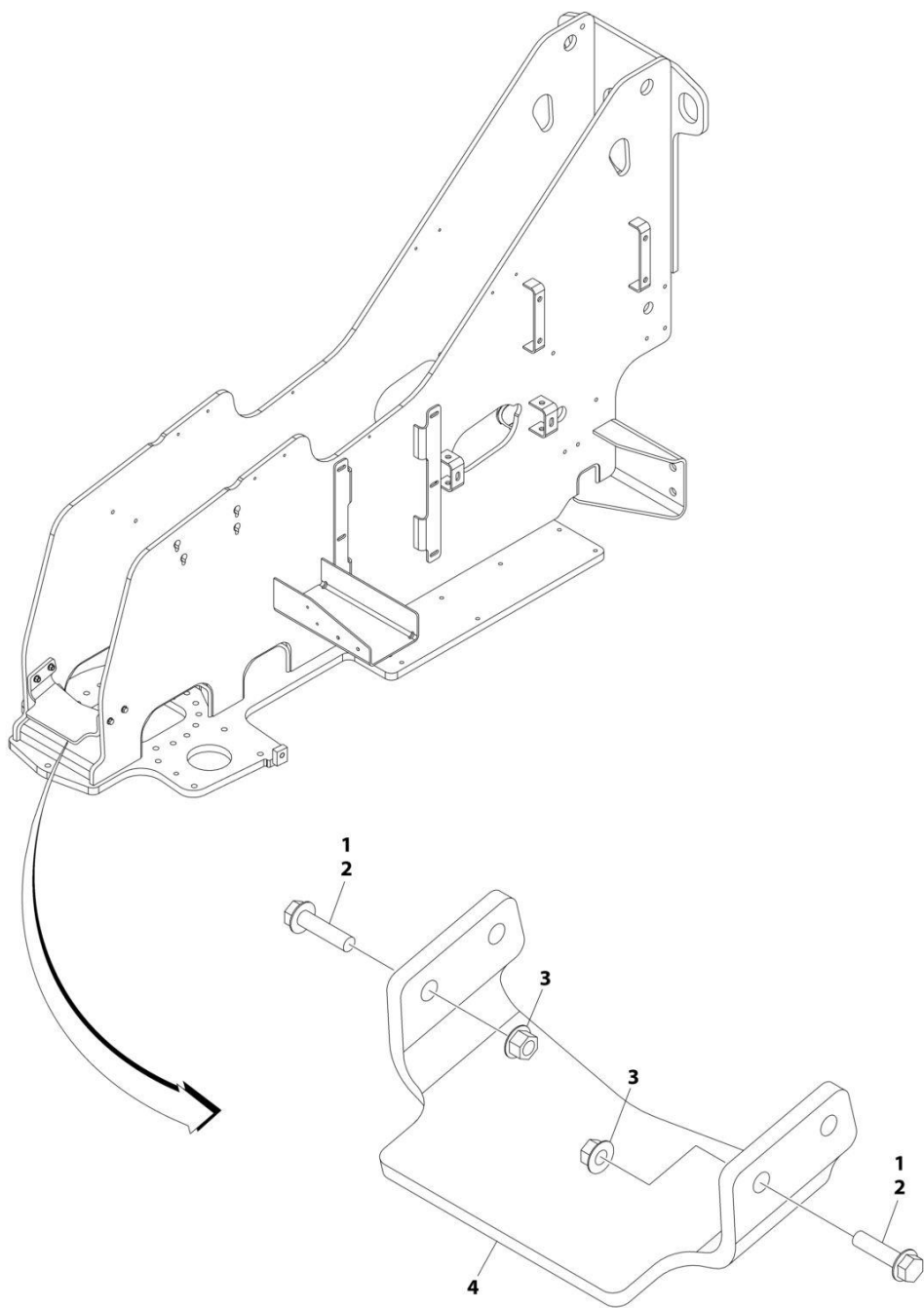


FIGURE 4-8. ROTATOR ASSEMBLY (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181051	Ref	ROTATOR ASSEMBLY	A
1	See Note	NSS	Housing/Ring Gear Assembly (Note: Not Available - Purchase Complete Rotator Assembly)	
2	7017162	1	Shaft Weldment	
3	7017163	1	Piston/Sleeve Assembly	
4	7017164	1	Cap, End	
20	See Note	NSS	T-Seal (Note: Use Item 100)	
22	See Note	NSS	T-Seal (Note: Use Item 100)	
24	See Note	NSS	O-Ring (Note: Use Item 100)	
25	See Note	NSS	Seal (Note: Use Item 100)	
26	See Note	NSS	O-Ring (Note: Use Item 100)	
27	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
32	See Note	NSS	Ring, Wear (Note: Use Item 101)	
34	See Note	NSS	Washer, Thrust (Note: Use Item 101)	
41	7017172	AR	Valve Assembly	
41A	7017192	2	Cartridge, Valve	
41A	See Note	NSS	Seal Kit - 7017192 Valve (Note: Not Available for Purchase)	
41B	See Note	3	Bolt 1/4-20NC x 1-1/2 Grade 8 (Note: Not Available - Purchase Locally)	
42	7017195	2	Bushing	
45	7017150	2	Bushing	
100	70000342	1	Seal Kit (Includes Items 20, 22, 24, 25, 27 & 33)	
101	7017159	1	Bearing Kit (Includes Items 32 & 34)	
102	7017142	1	Hardware Kit	
103	70001697	4	Screw, Countersunk 1/4 x 3/8 Grade 8	

SECTION 4 - BOOM

FIGURE 4-9. BOOM REST INSTALLATION



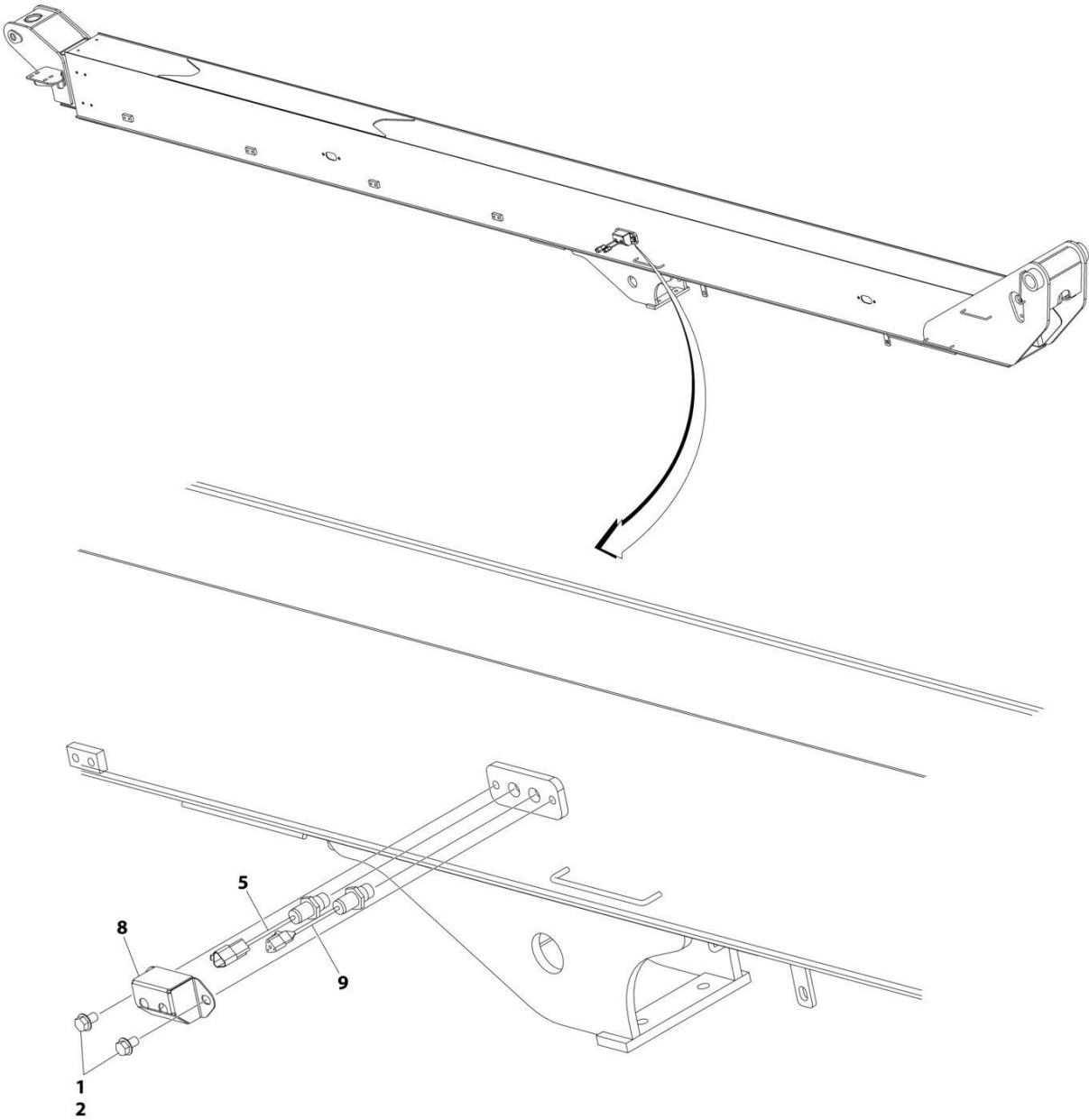
ART_1001209100

FIGURE 4-9. BOOM REST INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209100	Ref	Boom Rest Installation	A
1	0100011	AR	Compound, Locking	
2	5251016	4	Bolt M10 x 40	
3	5261000	4	Nut M10	
4	1001209099	1	Support, Boom Rest	

SECTION 4 - BOOM

FIGURE 4-10. CAPACITY SWITCH INSTALLATION



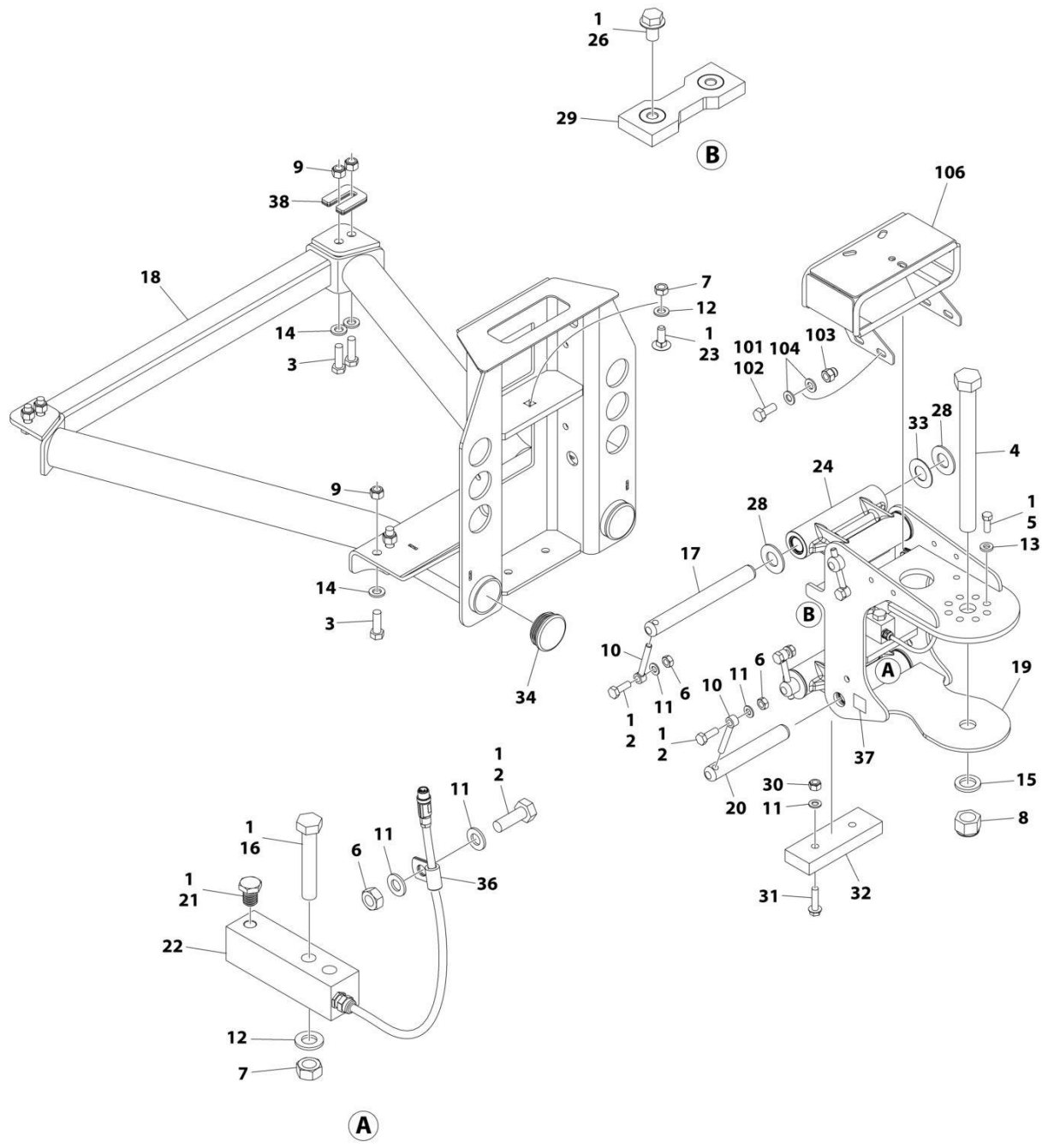
ART_1001173233

FIGURE 4-10. CAPACITY SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173233	Ref	CAPACITY SWITCH INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	5251008	2	Bolt, M10 x 16	
5	1001170847	1	Sensor, Proximity	
5	4460536	1	Connector - 3 Position	
5	4460464	3	Pin, Male	
8	1001204715	1	Bracket, Cover	
9	1001182570	1	Sensor, Proximity	
9	4460539	1	Connector 3 Position	
9	4460465	3	Socket, Female	

SECTION 4 - BOOM

FIGURE 4-11. PLATFORM SUPPORT INSTALLATION



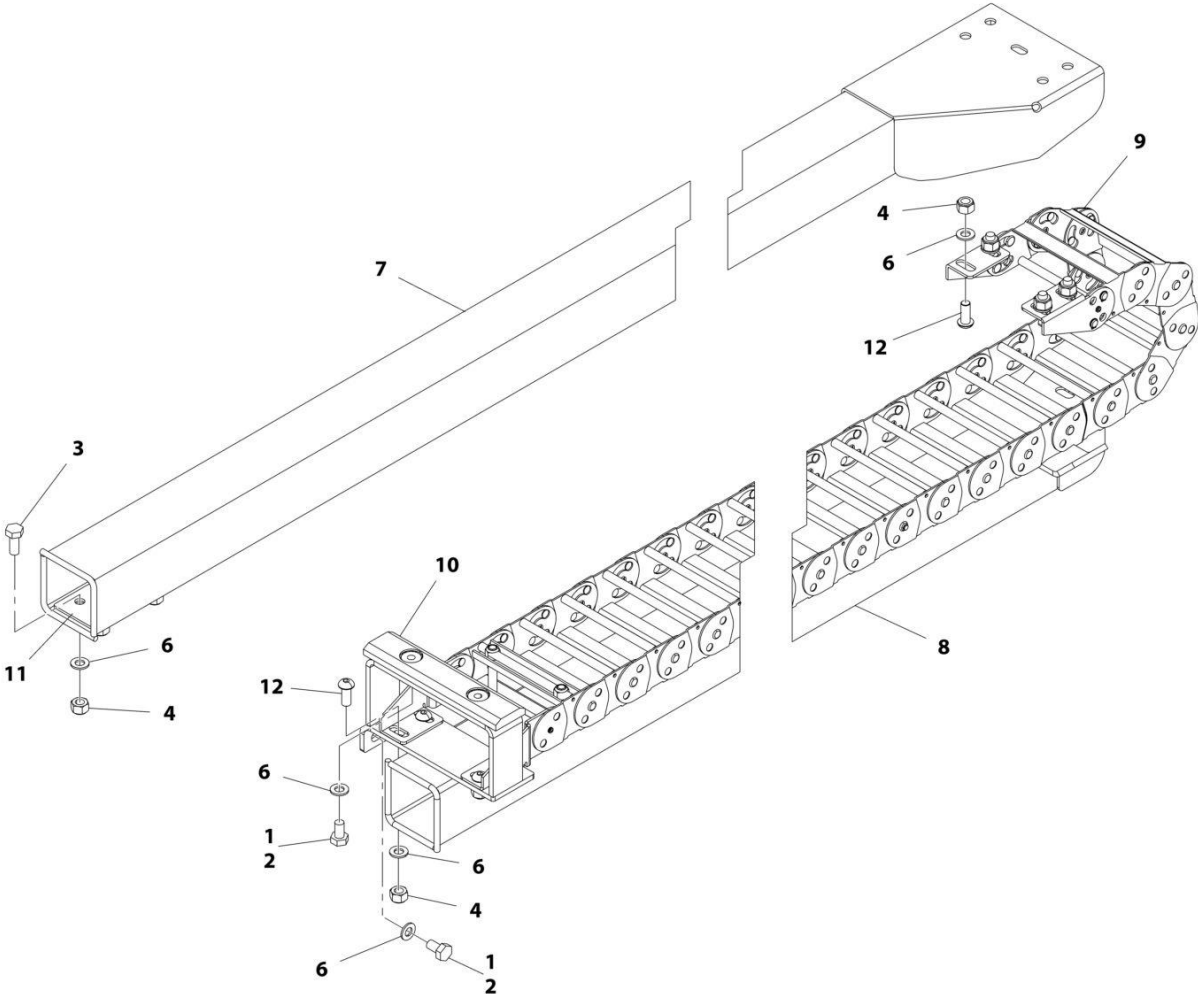
ART_1001167596_N

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 4 - BOOM

FIGURE 4-12. POWER TRACK INSTALLATION



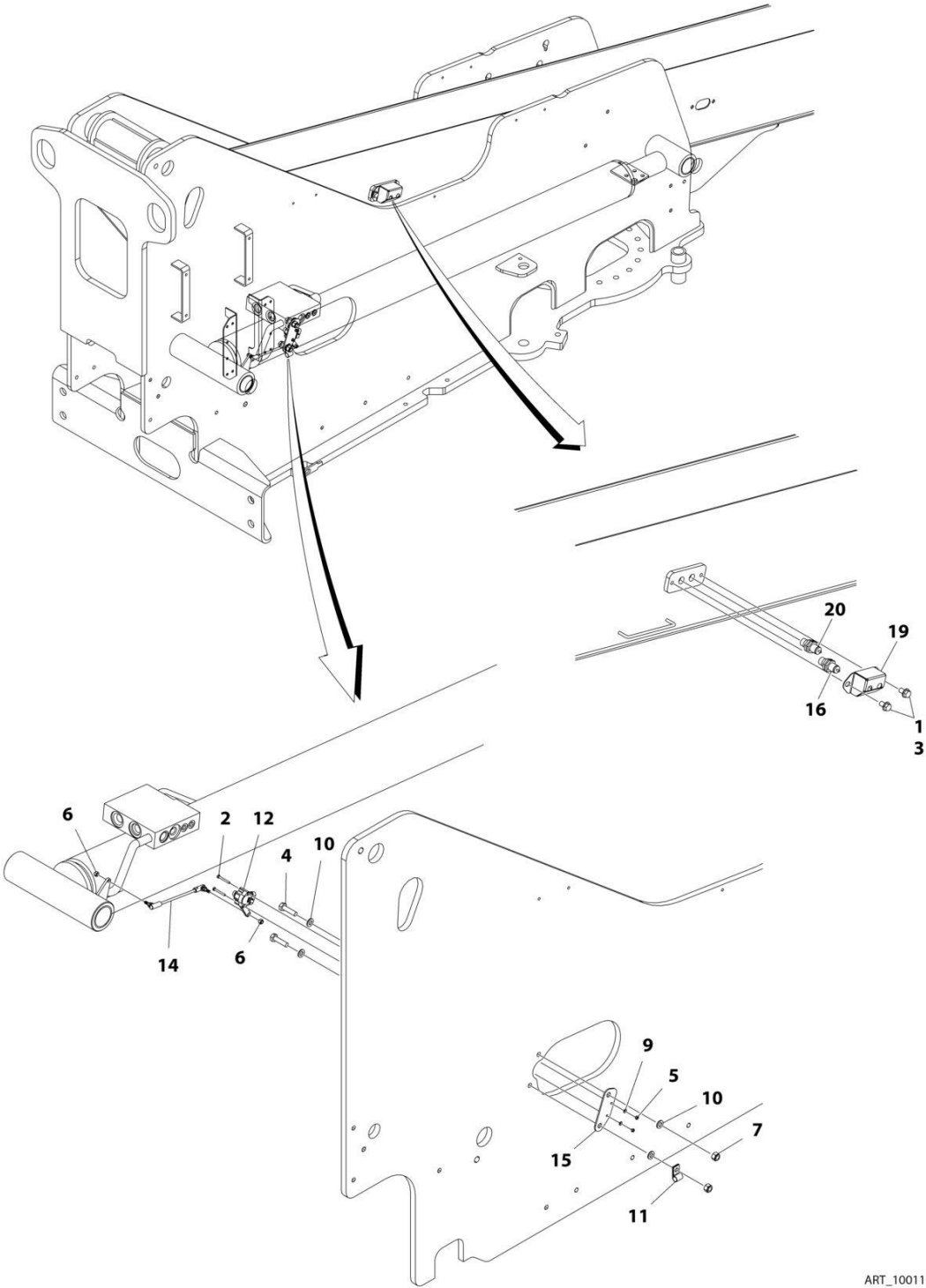
ART_1001165538

FIGURE 4-12. POWER TRACK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165538	Ref	POWER TRACK INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0761009	10	Bolt M10 x 18	
3	0761012	4	Bolt M10 x 25	
4	3291005	12	Nut M10	
6	4812000	22	Washer M10	
7	1001165531	1	Tube, Push	
8	1001165534	1	Tube, Carrier	
9	1001224888	1	Power Track	
9	70006255	1	Repair Section without Clamp - 10 Links	
9	70006270	1	Feet, Mounting (Includes 1 each Left and Right Mounting Feet)	
10	1001169611	1	Pad, Wear	
11	1001176899	1	Plate, Support	
12	1001173763	8	Screw M10 x 25	

SECTION 4 - BOOM

FIGURE 4-13. TRANSPORT SWITCHES INSTALLATION



ART_1001170642

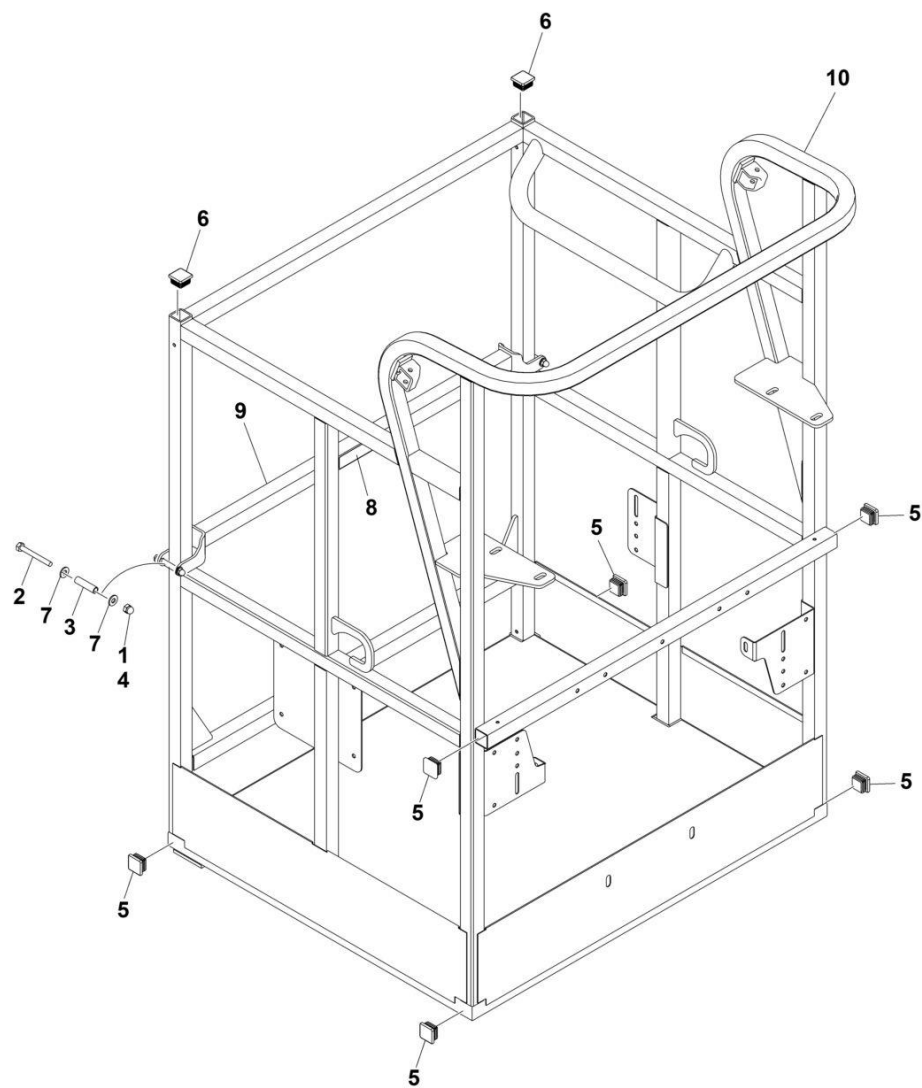
FIGURE 4-13. TRANSPORT SWITCHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170642	Ref	TRANSPORT SWITCHES INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0760415	2	Bolt M4 x 35	
3	5251008	2	Bolt M10 x 16	
4	0761016	2	Bolt M10 x 40	
5	3290405	2	Nut M4 x 0.7	
6	3290605	2	Nut M6 x 1	
7	3291005	2	Nut M10 x 1.5	
9	4811400	2	Washer M4	
10	4812000	4	Washer M10	
11	8406110	1	Clip	
12	1001118971	1	Angle, Sensor	
14	1001170564	1	Link, Sensor	
15	1001170565	1	Bracket	
16	1001170847	1	Sensor, Proximity	
16	4460536	1	Connector - 3 Position	
16	4460464	3	Pin, Male	
19	1001204715	1	Bracket, Switch Cover	
20	1001182570	1	Sensor, Proximity	
20	4460539	1	Connector - 3 Position	
20	4460465	3	Socket, Female	
21	1001288195	1	Boom Angle Sensr Jumper Harness	

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

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



ART_1001228215

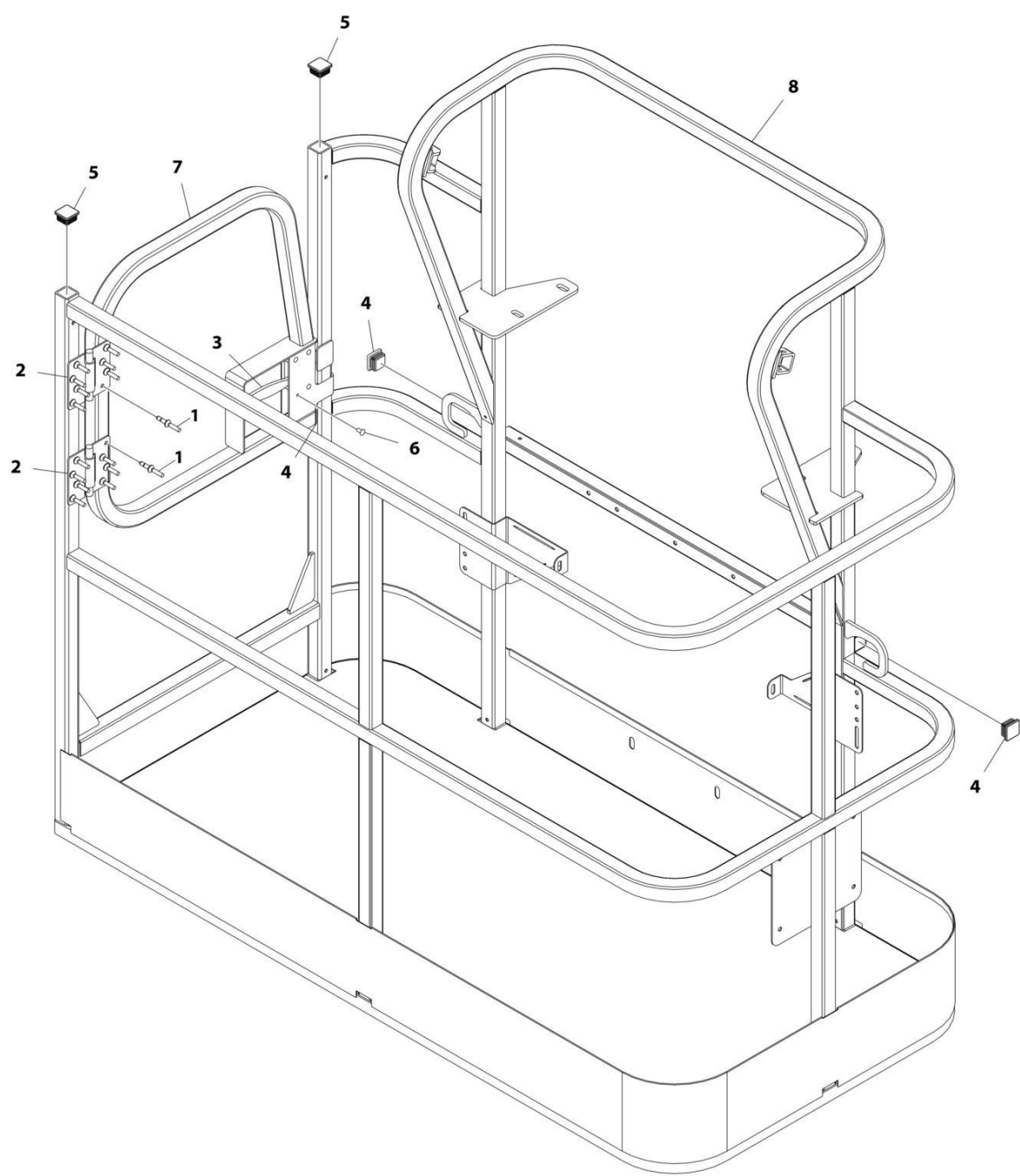
SECTION 5 - PLATFORM

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 5FT (76.2CM X 1.5M) WITH SWING GATE



ART_1001186386

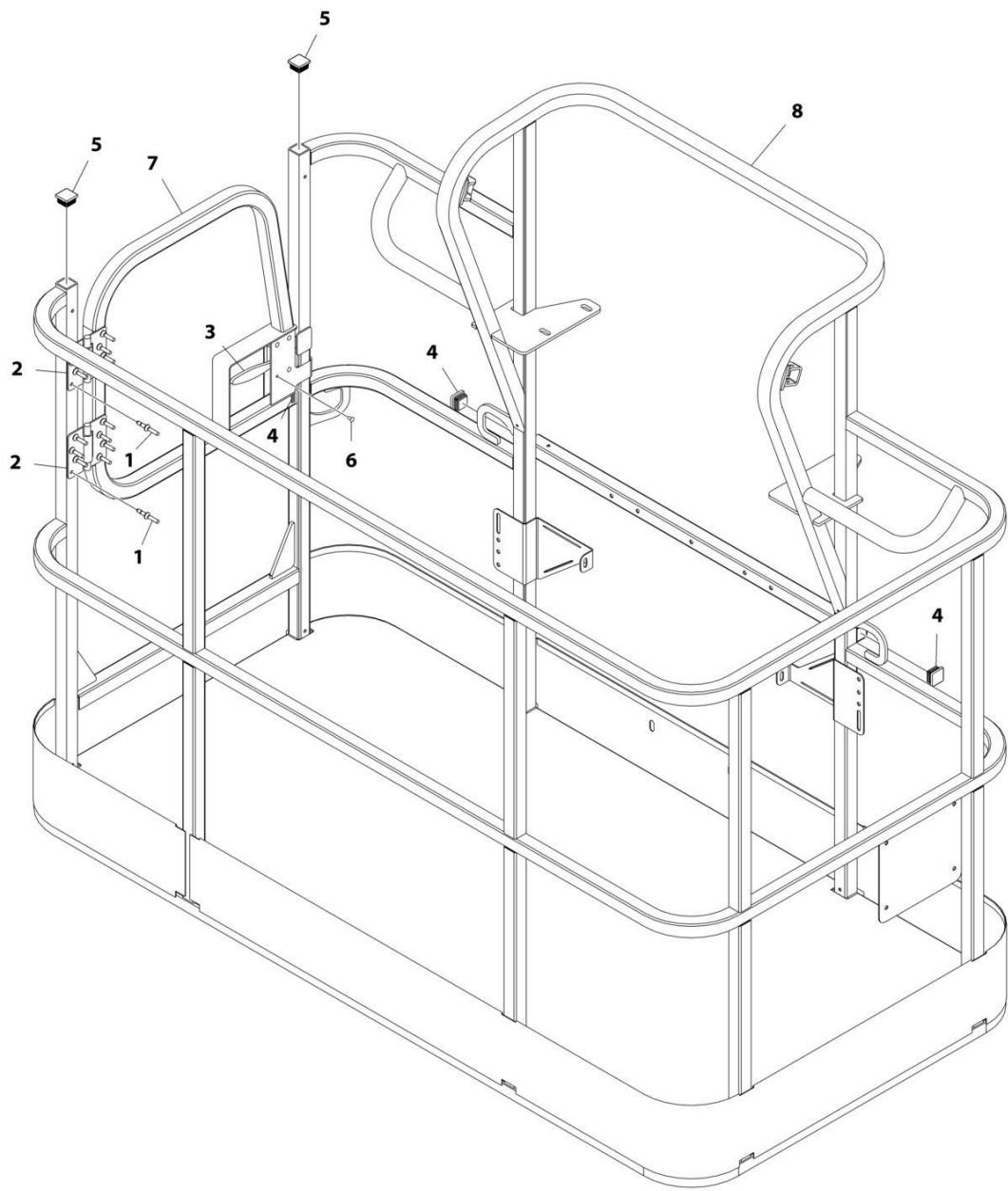
SECTION 5 - PLATFORM

FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) 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 5-3. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE



ART_1001186384

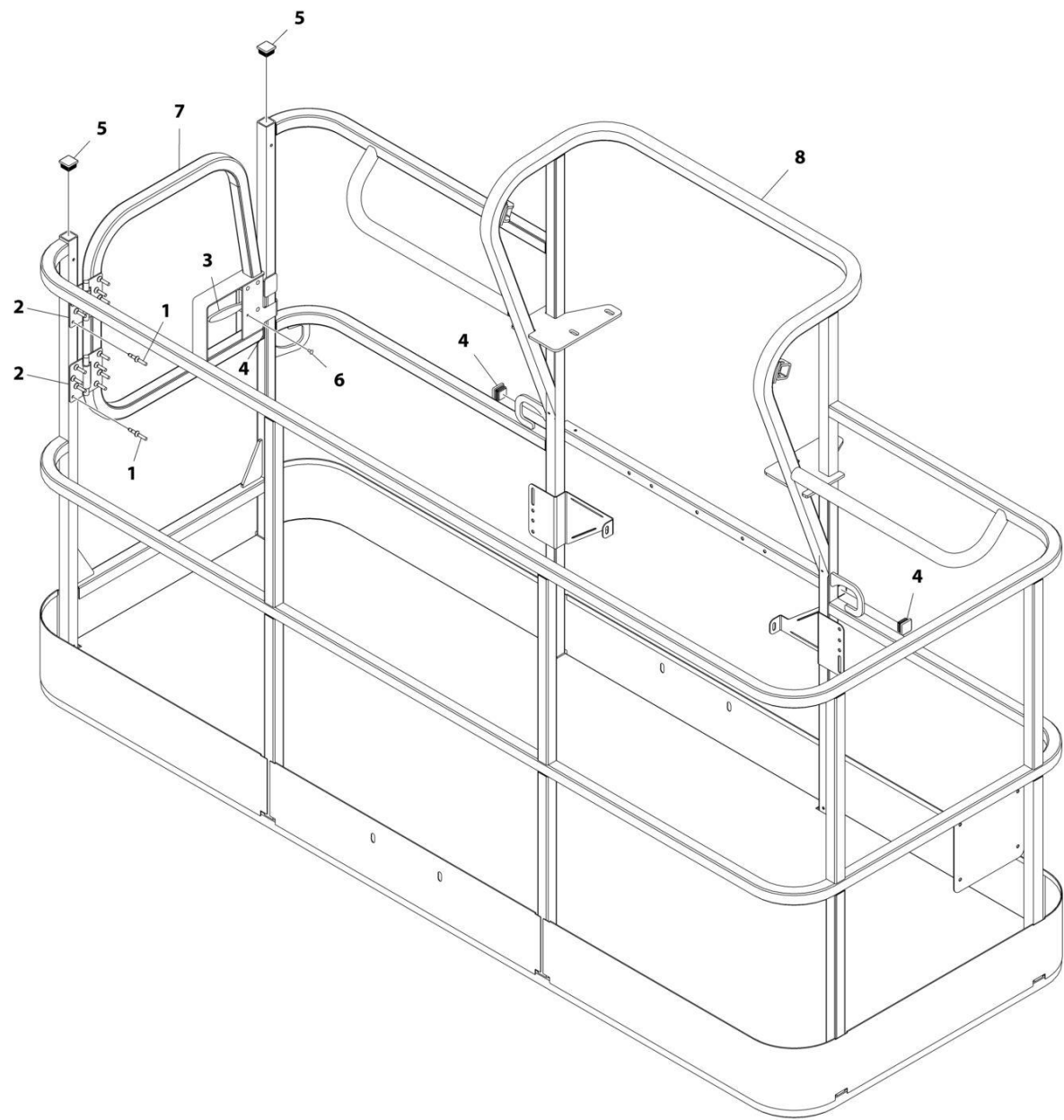
SECTION 5 - PLATFORM

FIGURE 5-3. 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 5-4. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE



ART_1001186383

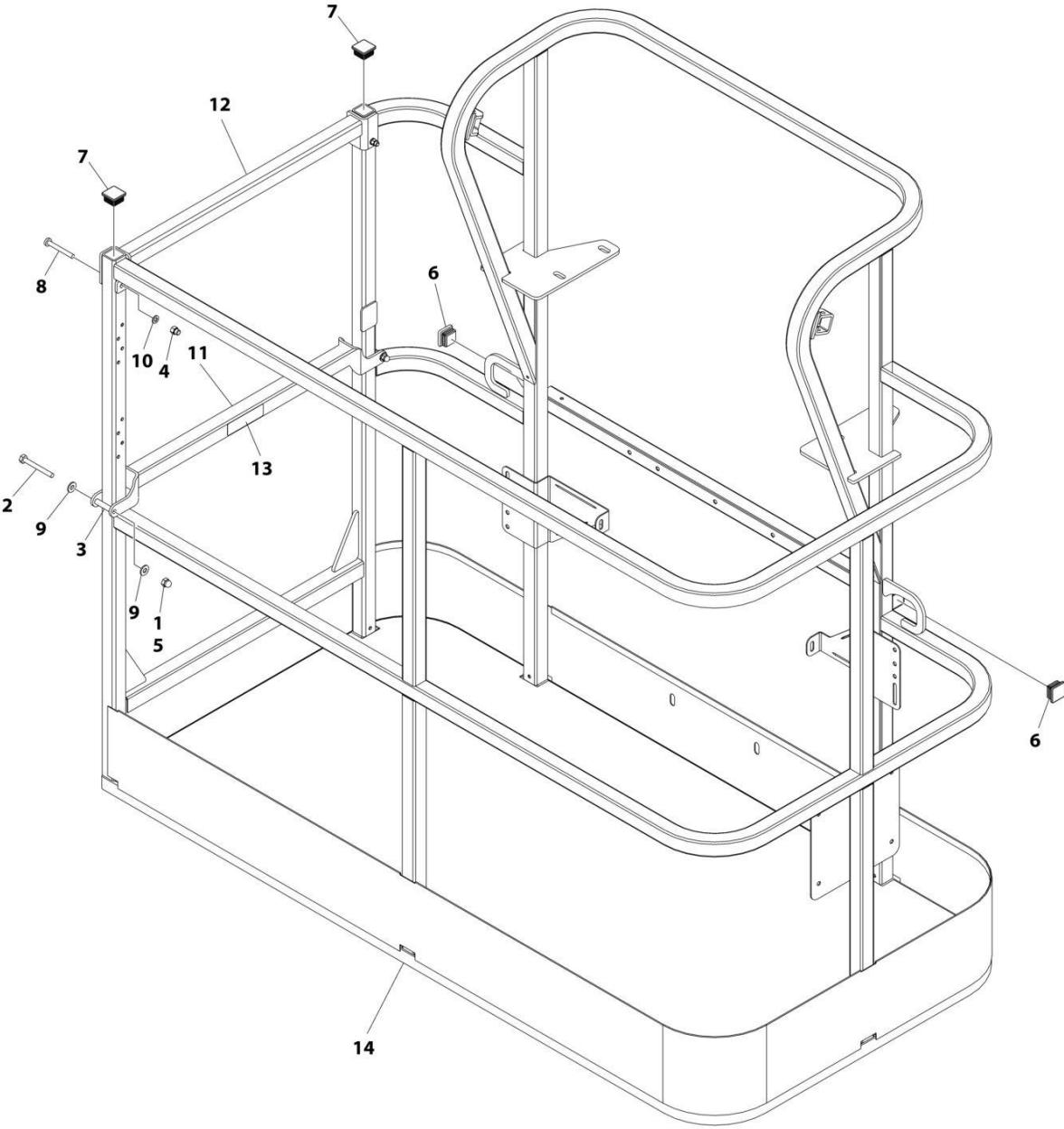
SECTION 5 - PLATFORM

FIGURE 5-4. 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 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) WITH DROP BAR



ART_1001186377

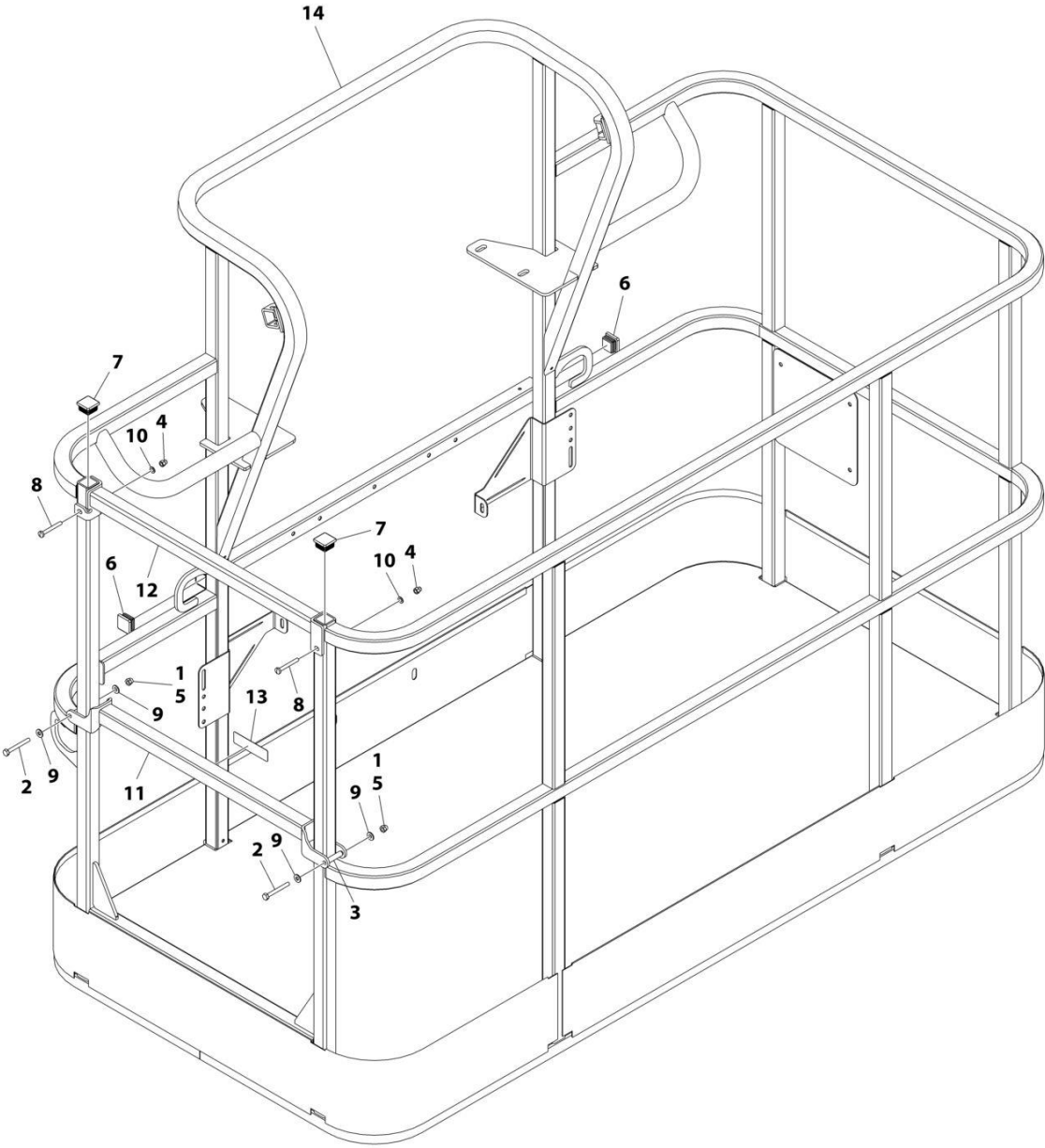
SECTION 5 - PLATFORM

FIGURE 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) 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 DROP BAR



ART_1001186379

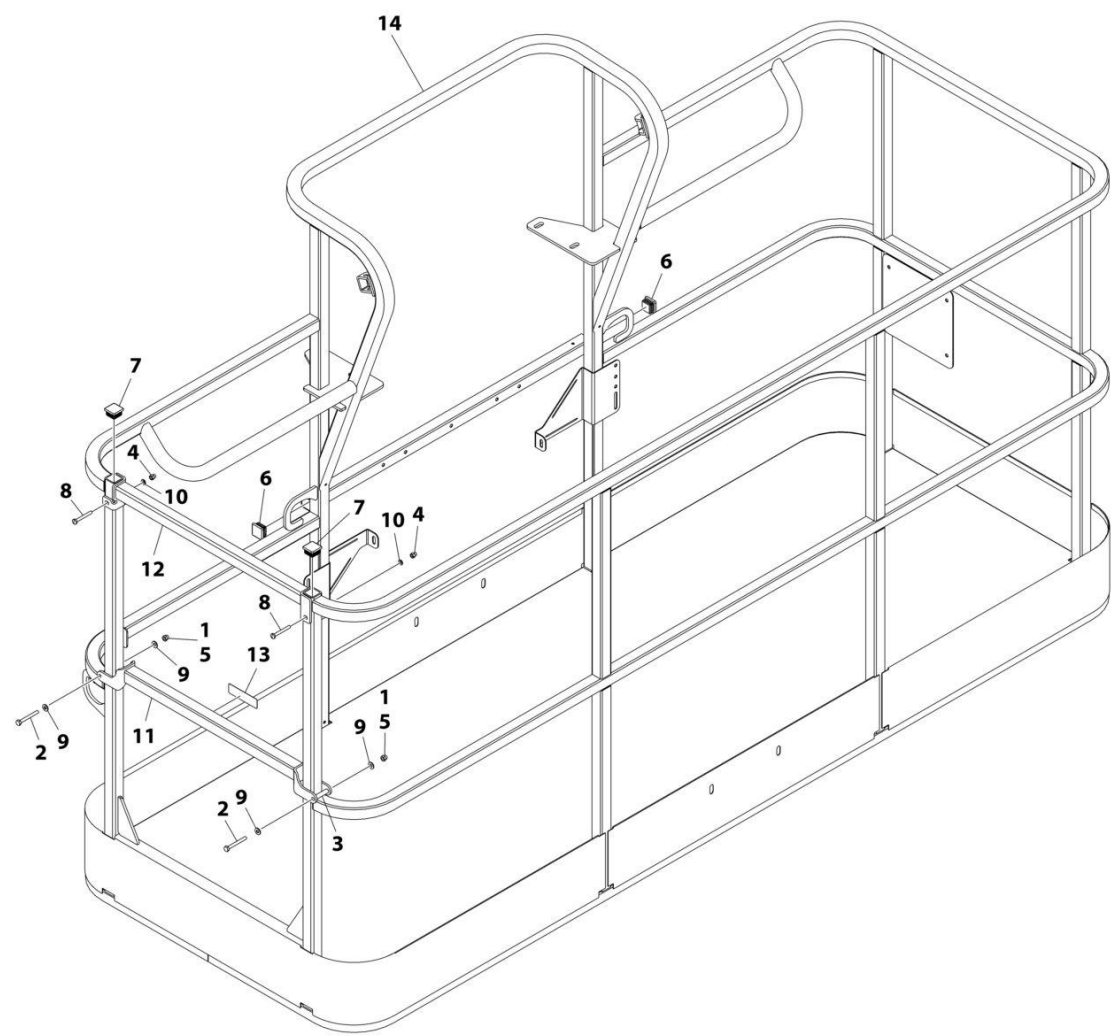
SECTION 5 - PLATFORM

FIGURE 5-6. 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 5-7. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR



ART_1001186382

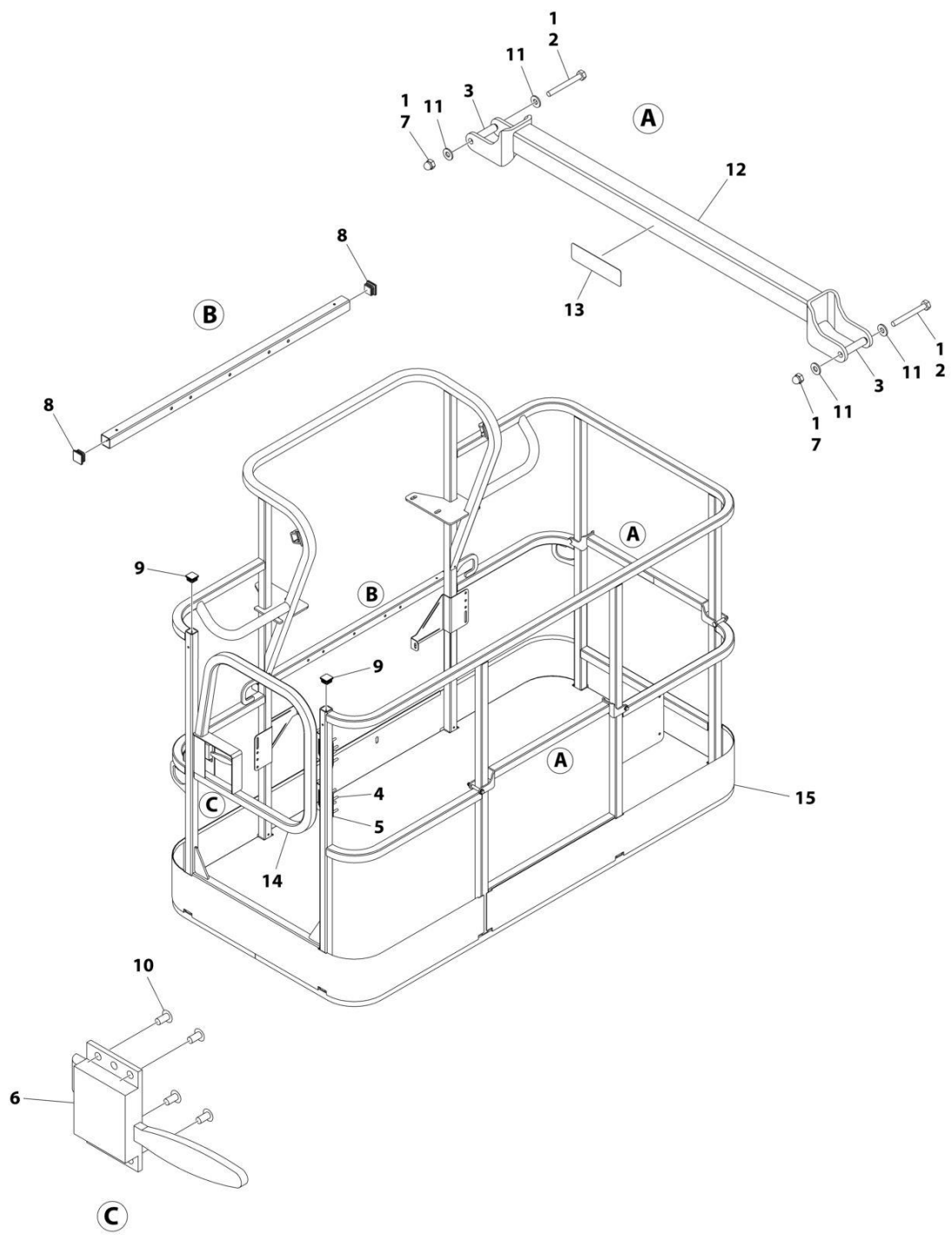
SECTION 5 - PLATFORM

FIGURE 5-7. 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 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE



ART_1001228376

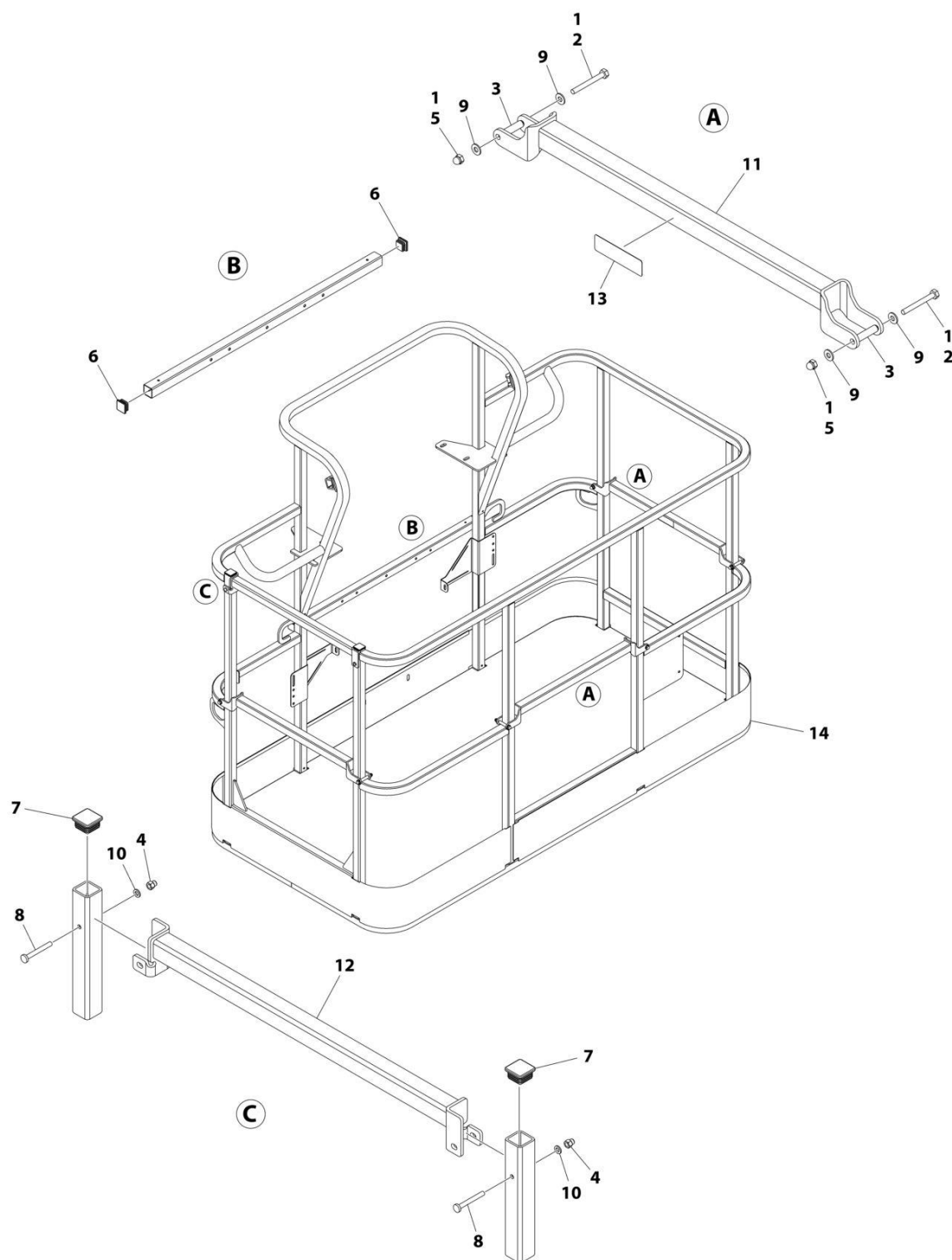
SECTION 5 - PLATFORM

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 DROPBAR



ART_1001228377

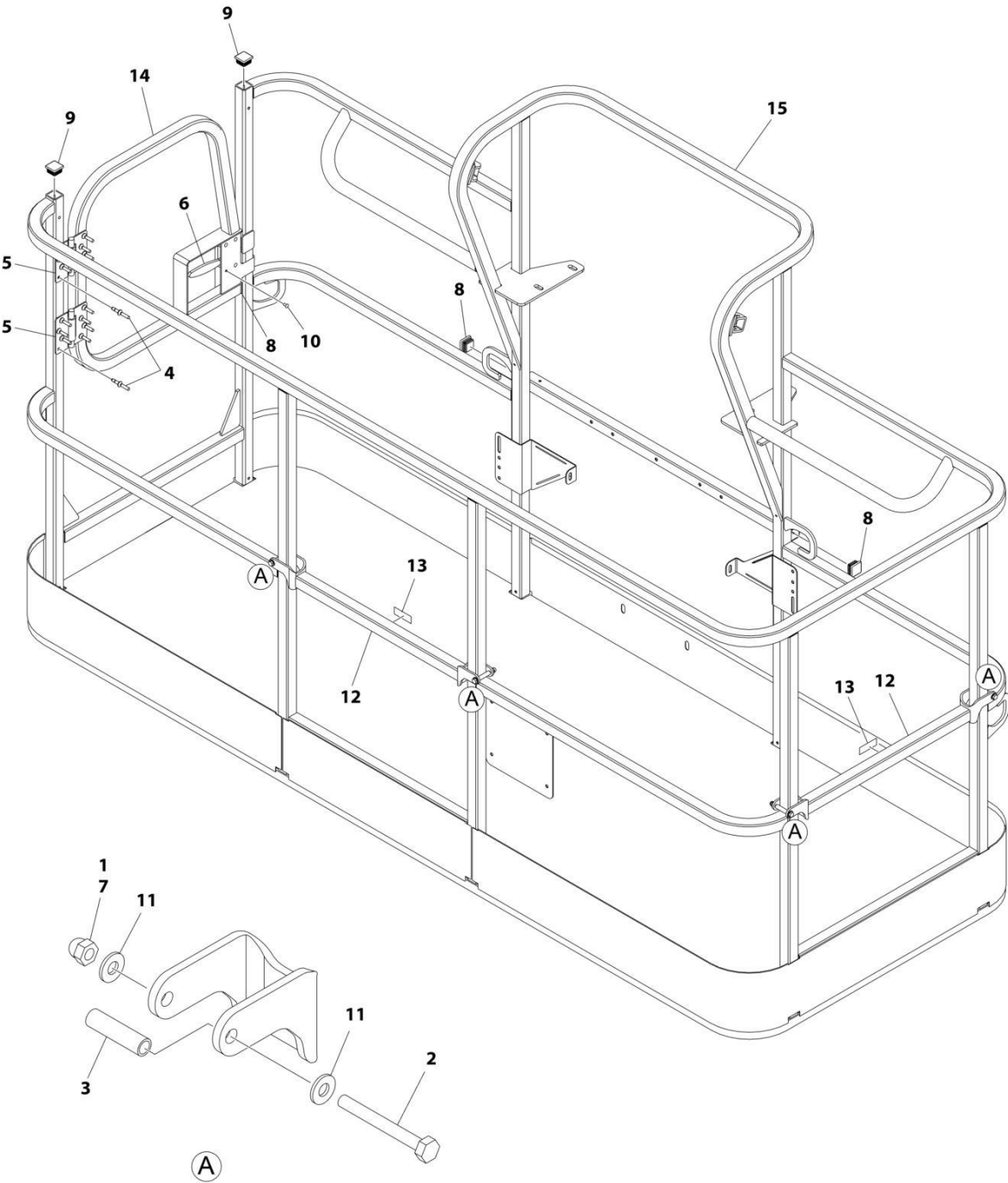
SECTION 5 - PLATFORM

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

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) TRI-ENTRY WITH DROPBAR



ART_1001228243

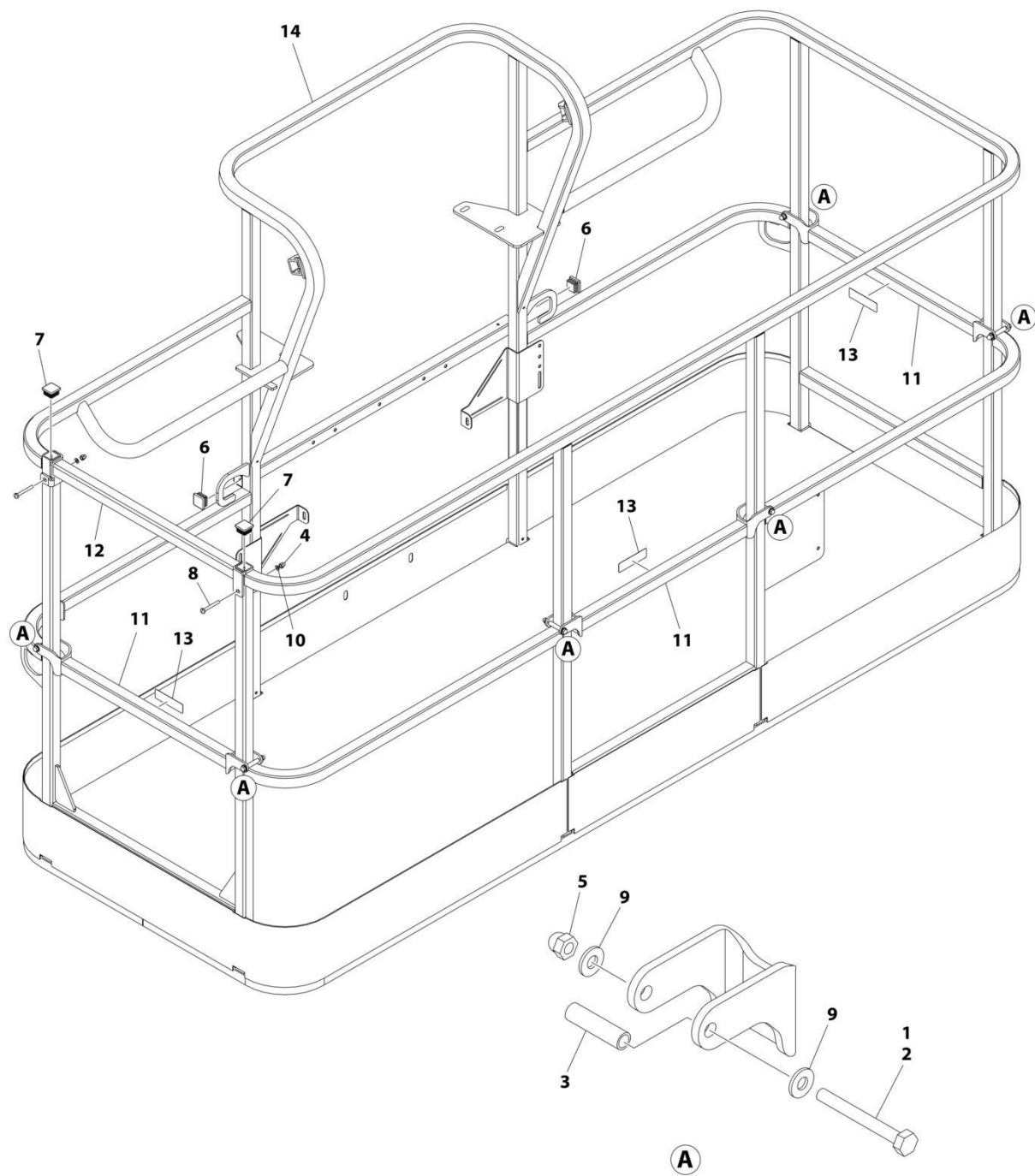
SECTION 5 - PLATFORM

FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPBAR

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 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPGATE



ART_1001228375

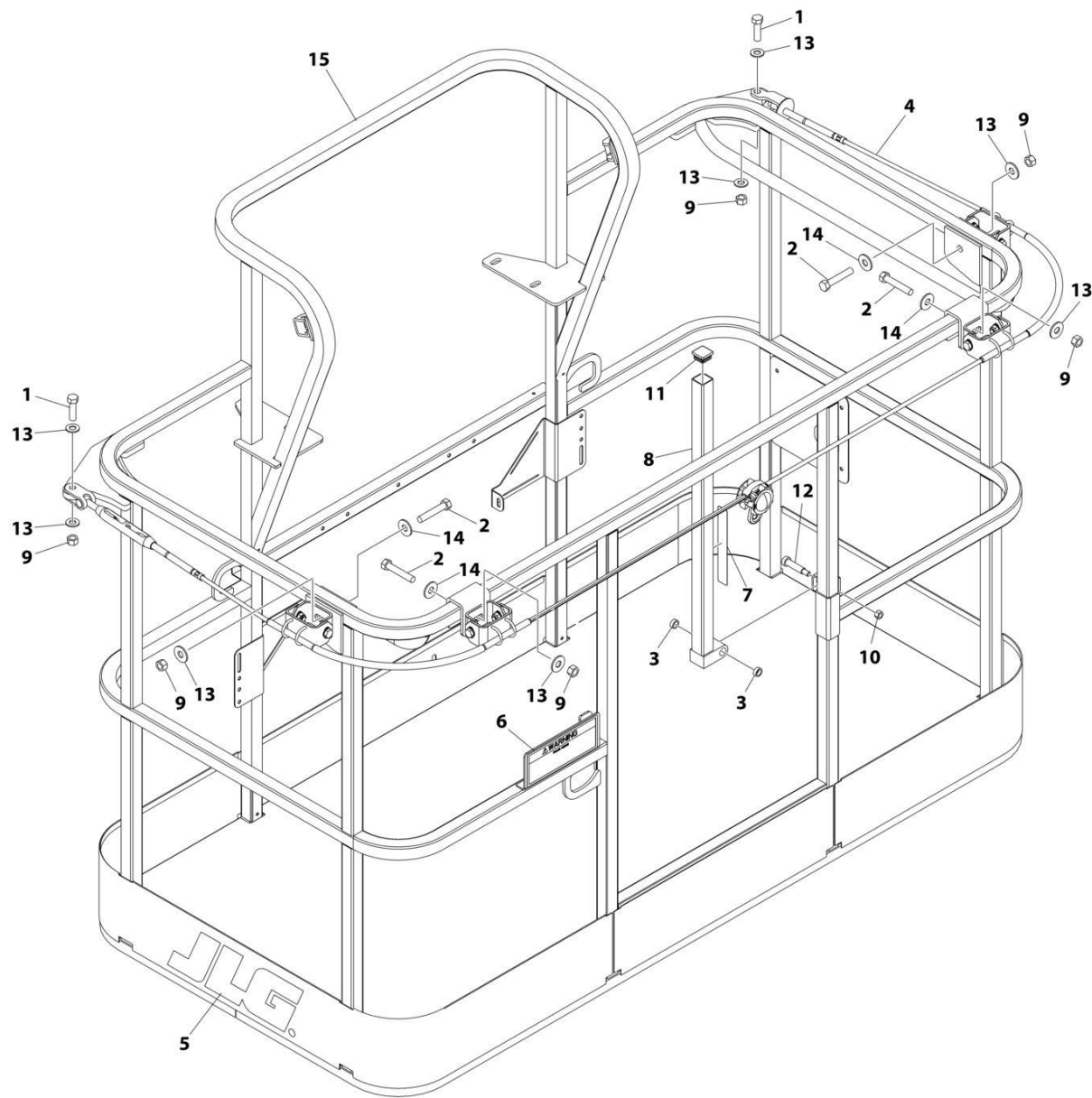
SECTION 5 - PLATFORM

FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPGATE

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)	

SECTION 5 - PLATFORM

FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS)



ART_1001186333

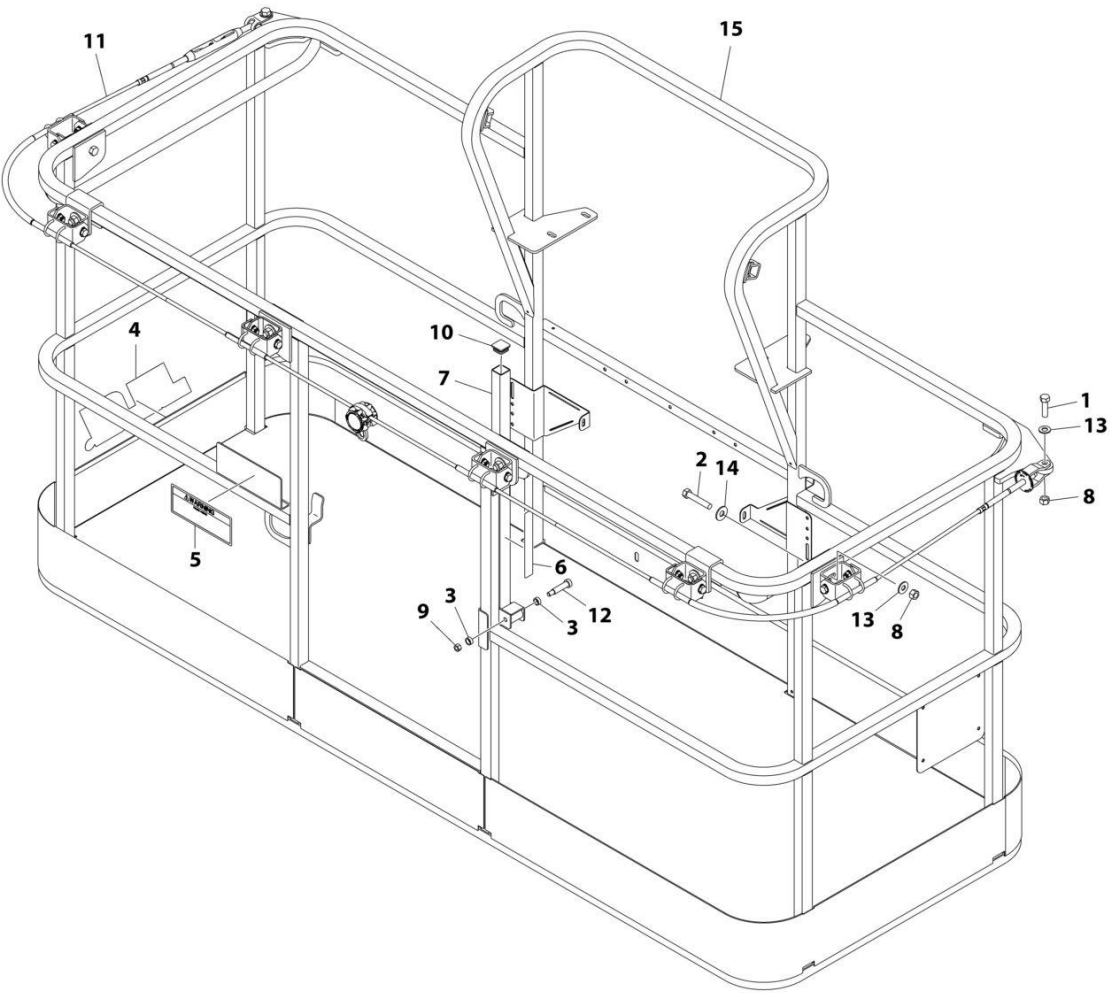
SECTION 5 - PLATFORM

FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186333	Ref	PLATFORM ASSEMBLY	C
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0681814	2	Bolt 1/2 x 1-3/4 Grade 8	
2	0681822	4	Bolt 1/2 x 2-3/4 Grade 8	
3	0962270	2	Bearing	
4	1001203655	1	Cable	
5	1702773	1	Decal - JLG	
6	1705014	1	Decal - Safety	
7	1706385	1	Decal - Drop Bar	
8	2410014	1	Bar, Drop	
9	3271805	6	Nut 1/2 Grade 8	
10	3311605	1	Nut 3/8	
11	3520072	1	Plug	
12	3900054	1	Bolt 1/2 x 1-3/4	
13	4711800	8	Washer 1/2	
14	4751800	4	Washer 1/2	
15	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

SECTION 5 - PLATFORM

FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS)



ART_1001186334

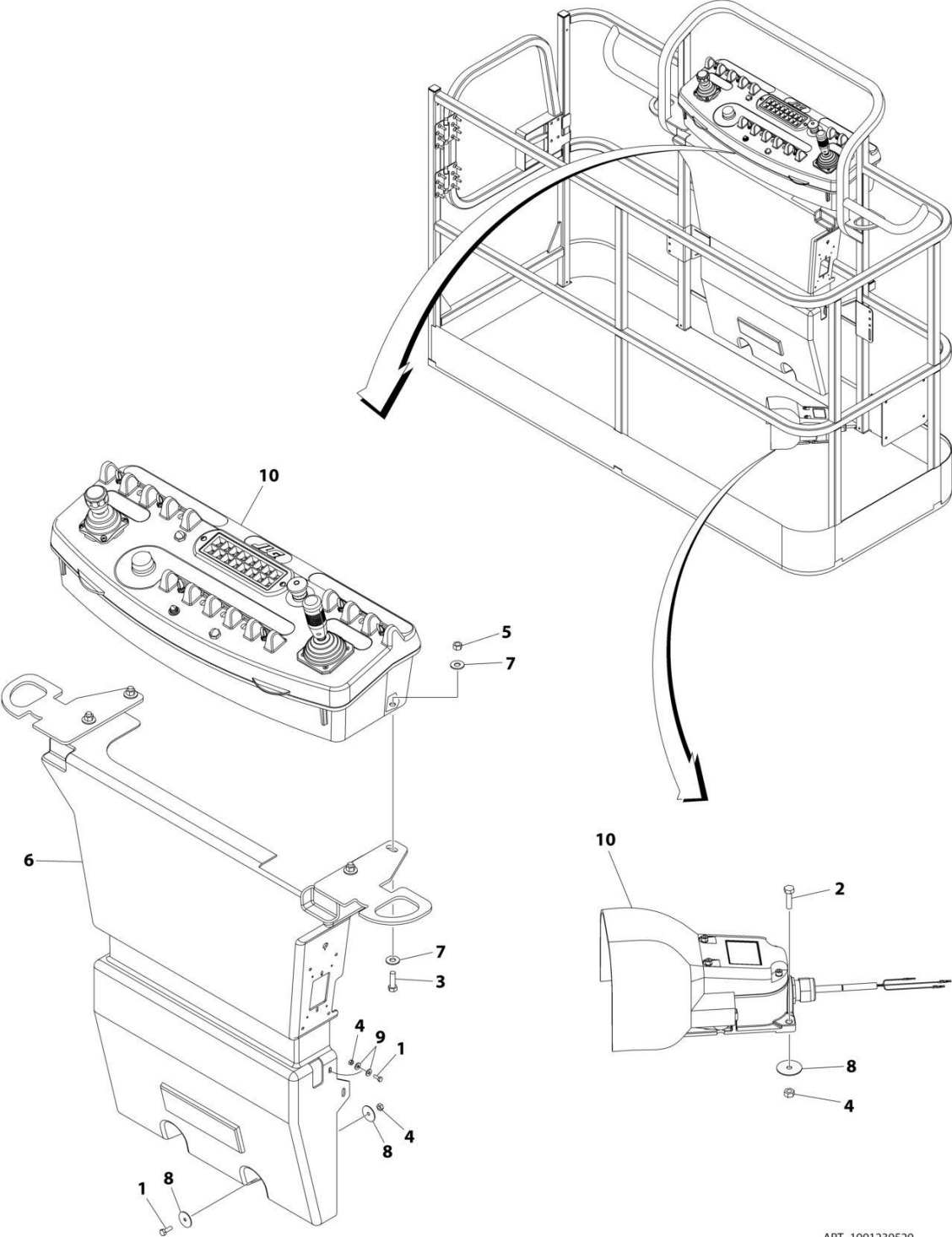
SECTION 5 - PLATFORM

FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186334	Ref	PLATFORM ASSEMBLY	D
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0681814	2	Bolt 1/2 x 1-3/4 Grade 8	
2	0681822	6	Bolt 1/2 x 2-3/4 Grade 8	
3	0962270	2	Bearing	
4	1702773	1	Decal - JLG	
5	1705014	1	Decal - Safety	
6	1706385	1	Decal - Drop Bar	
7	2410014	1	Bar, Drop	
8	3271805	8	Nut 1/2 Grade 8	
9	3311605	1	Nut 3/8	
10	3520072	1	Plug	
11	1001203656	1	Cable	
12	3900054	1	Bolt 1/2 x 1-3/4	
13	4711800	2	Washer 1/2	
14	4751800	6	Washer 1/2	
15	See Note	NSS	Platform (Note: Purchase Platform Assembly)	

SECTION 5 - PLATFORM

FIGURE 5-14. CONSOLE BOX INSTALLATION



ART_1001239520

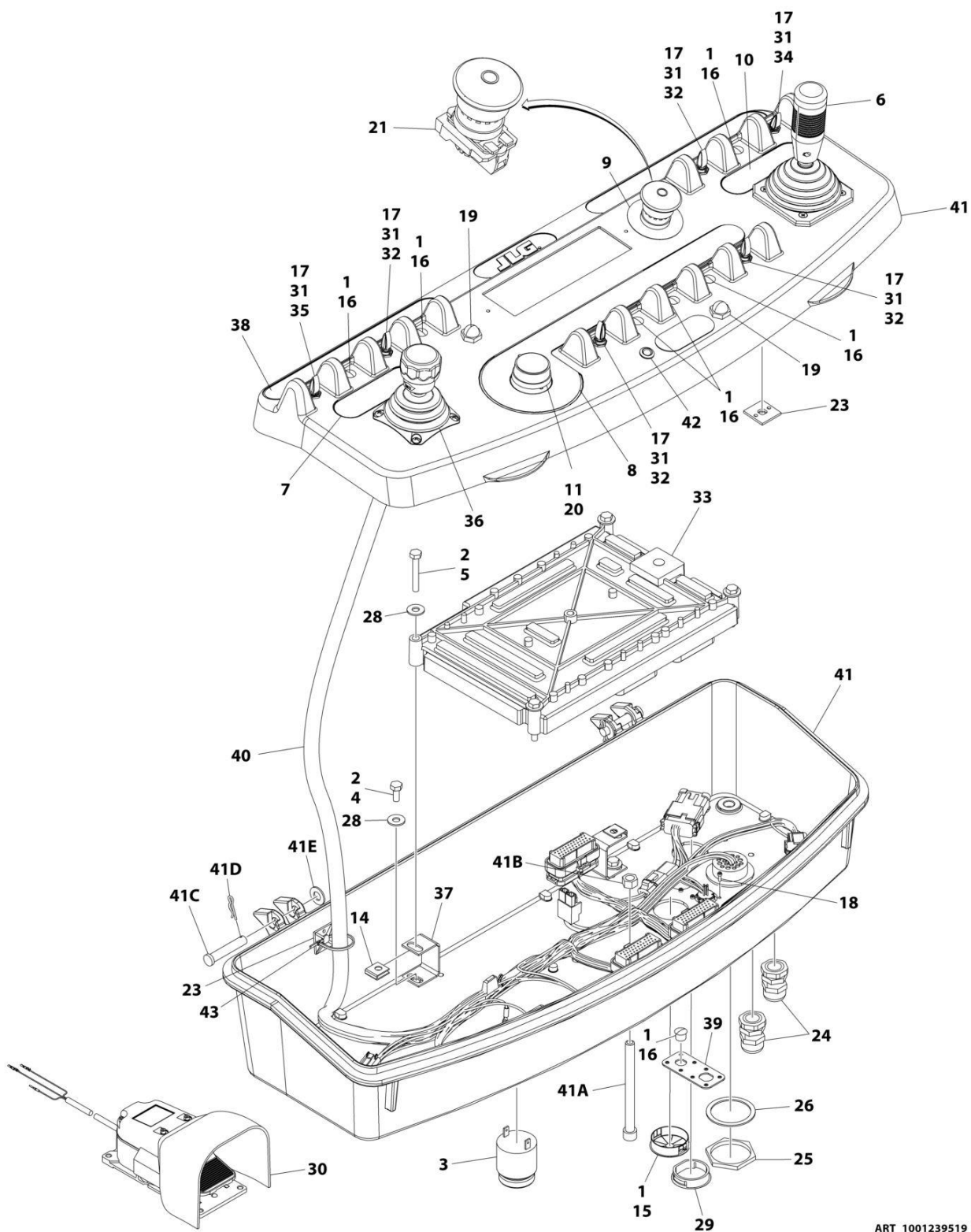
SECTION 5 - PLATFORM

FIGURE 5-14. CONSOLE BOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239520	Ref	CONSOLE BOX INSTALLATION	A
1	0641406	4	Capscrew 1/4 x 3/4	
2	0641408	3	Capscrew 1/4 x 1	
3	0641610	4	Capscrew 3/8 x 1/4	
4	3311405	7	Nut 1/4	
5	3311605	4	Nut 3/8	
6	3380434	1	Panel, Decal Mount	
7	4711600	8	Washer 3/8	
8	4740362	7	Washer	
9	4751400	4	Washer	
10	1001239519	1	Electric Assembly, Console Box (See Separate Breakdown in this Section)	

SECTION 5 - PLATFORM

FIGURE 5-15. CONSOLE BOX ASSEMBLY



ART_1001239519_D

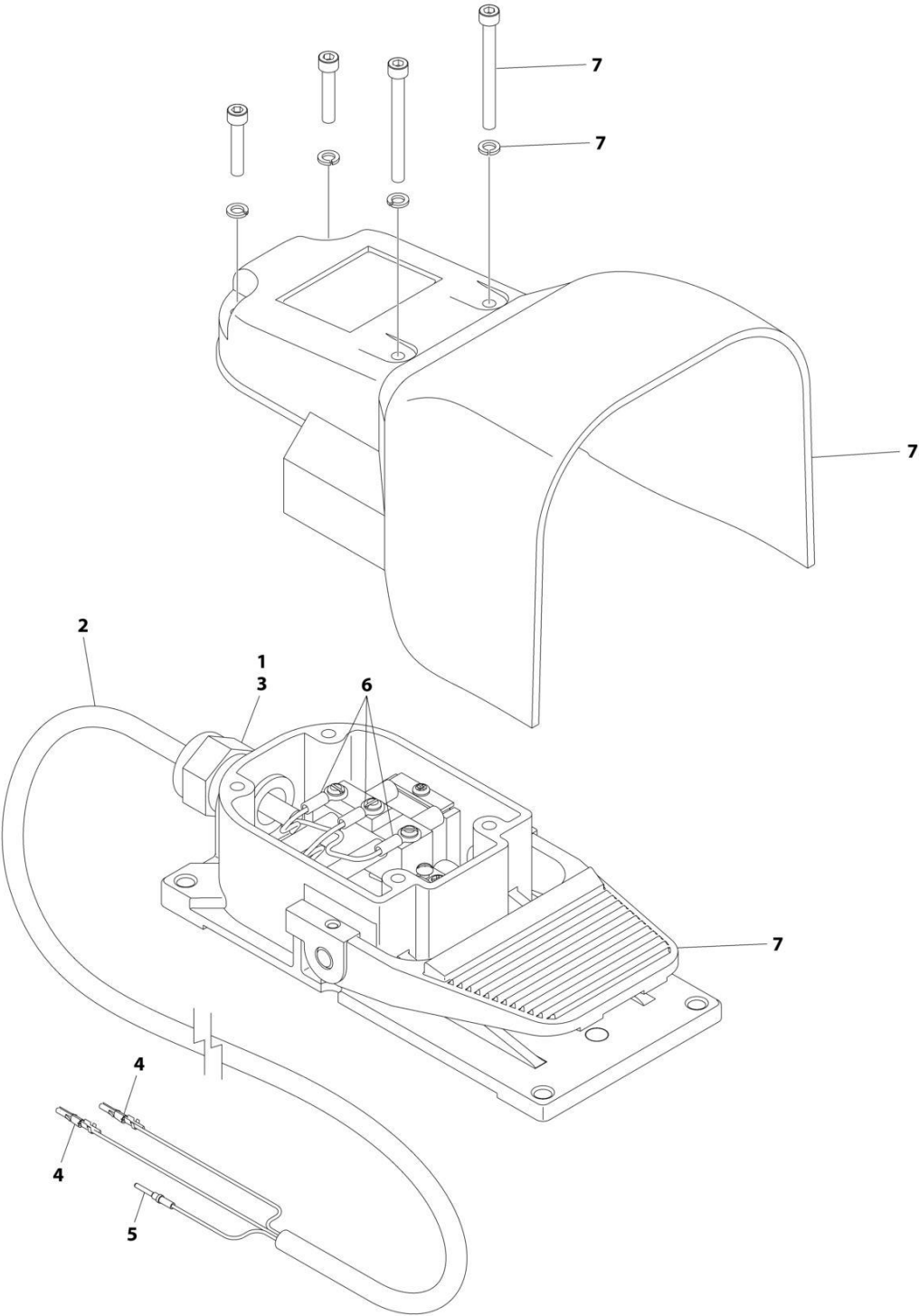
SECTION 5 - PLATFORM

FIGURE 5-15. CONSOLE BOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239519	Ref	CONSOLE BOX ASSEMBLY	D
1	0100009	AR	Sealant	
2	0100035	AR	Compound, Locking	
3	0140011	1	Alarm	
4	0641405	4	Bolt 1/4 x 5/8	
5	0641414	4	Bolt 1/4 x 1-3/4	
6	1600359	1	Controller Assembly (Drive and Steer)	
7	1702566	1	Decal - Lift and Swing	
8	1702567	1	Decal - Function Speed	
9	1704260	1	Decal - EMS	
10	1704460	1	Decal - Drive and Steer	
11	2560136	1	Handle, Knob	
14	3300353	4	Nut, Tinnerman	
15	1001185281	1	Plug, Cap	
16	3520054	7	Plug	
17	3790012	6	O-Ring	
18	3900349	8	Screw M2.5	
19	4360387	2	Switch, Pushbutton	
20	4360407	1	Switch, Potentiometer	
21	1001274559	1	Switch, Emergency	
23	4460234	6	Terminal	
24	4460428	2	Connector, Strain Relief	
25	4460470	1	Nut, Terminal	
26	4460471	1	Washer	
28	4751400	8	Washer 1/4	
29	1001110434	1	Plug	
30	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	
31	1001155044	6	Nut 15/32	
32	1001155045	4	Switch, Toggle	
33	1001157196	1	Controller, Module (Note: Re-calibration Required when Replaced)	
34	1001159256	1	Switch, Toggle	
35	1001161709	1	Switch, Toggle DPDT	
36	1001275629	1	Controller Assembly (Lift and Swing)	
37	1001172760	4	Bracket	
38	1001184626	1	Decal - Horn	
39	1001213882	1	Connector Mount	
40	1001238254	1	Harness, Platform (See Separate Breakdown in ELECTRICAL Section)	
41	1001215229	1	Platform Console Box	
41A	0630568	1	Capscrew 3/8 x 4-1/2	
41B	3311601	1	Nut 3/8	
41C	3430616	2	Pin	
41D	3470003	2	Hairpin	
41E	4711600	2	Washer 3/8	
42	1001206532	1	Lamp, Indicator	
42	4240099	AR	Tie, Wire	

SECTION 5 - PLATFORM

FIGURE 5-16. FOOTSWITCH ASSEMBLY



ART_1001117174

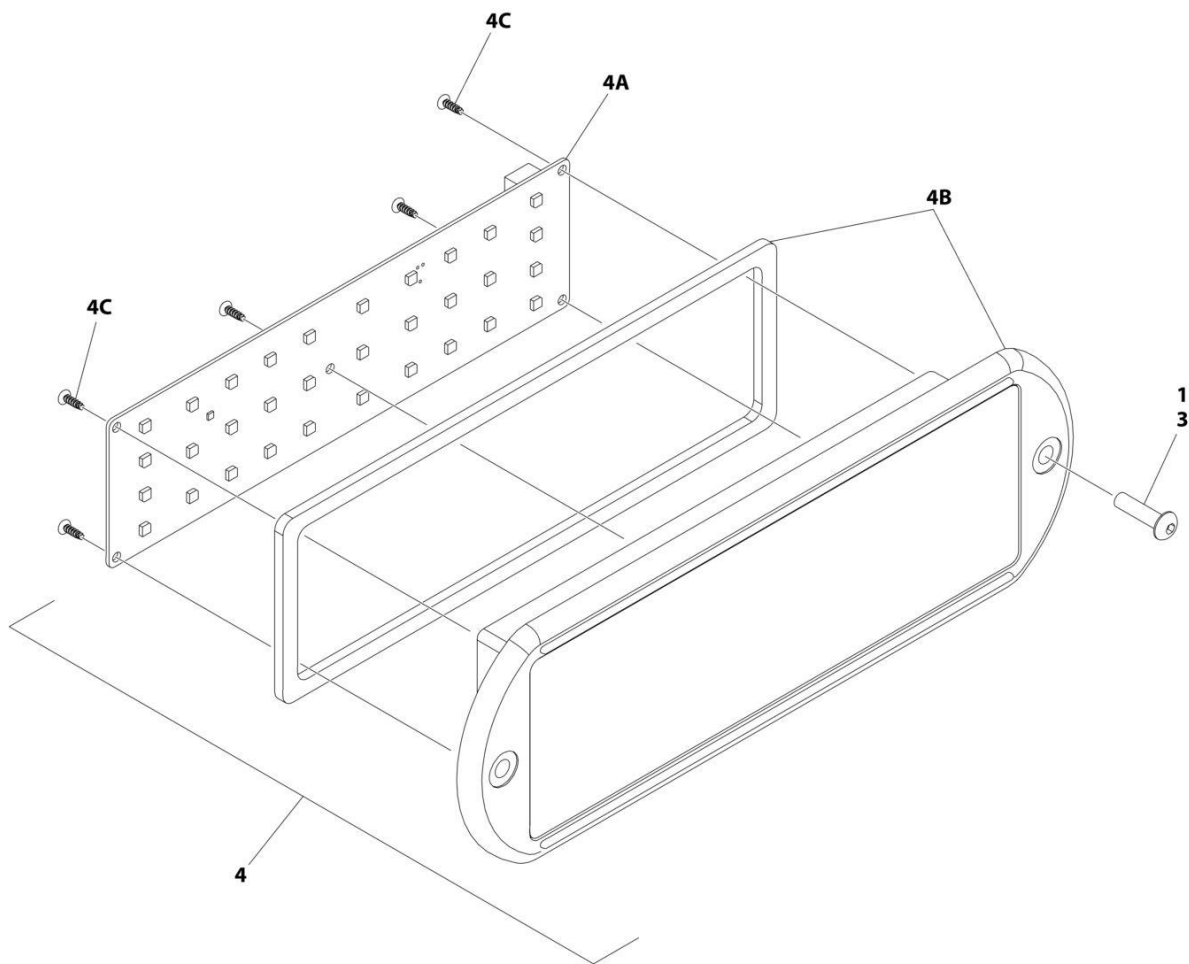
SECTION 5 - PLATFORM

FIGURE 5-16. FOOTSWITCH ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117174	Ref	FOOTSWITCH ASSEMBLY	C
1	0100020	AR	Sealant	
2	1060918	7.5 ft/ 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 5-17. LIGHT PANEL INSTALLATION



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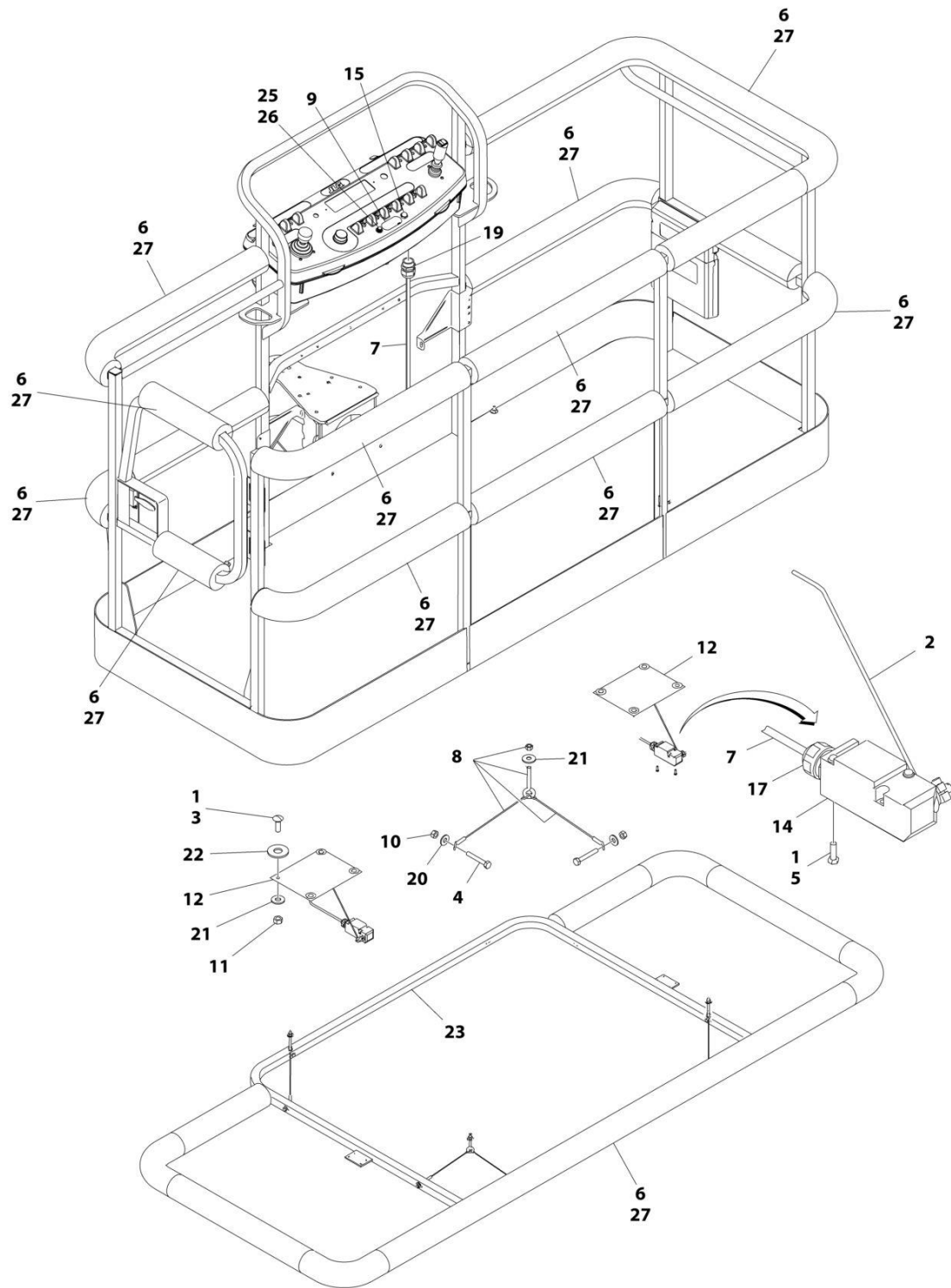
SECTION 5 - PLATFORM

FIGURE 5-17. LIGHT PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233959	Ref	LIGHT PANEL INSTALLATION - PLATFORM CONSOLE	D
1	0100035	AR	Compound, Locking	A
3	0630518	2	Screw #10 x 3/4	
4	1001284583	1	Light Panel Assembly	
4A	1001282106	1	Panel, LED Light	
4B	1001284582	1	Lens, Icon (Includes Gasket)	
4C		Ref	Screw	

SECTION 5 - PLATFORM

FIGURE 5-18. SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM (OPTIONAL)



ART_0272427_G

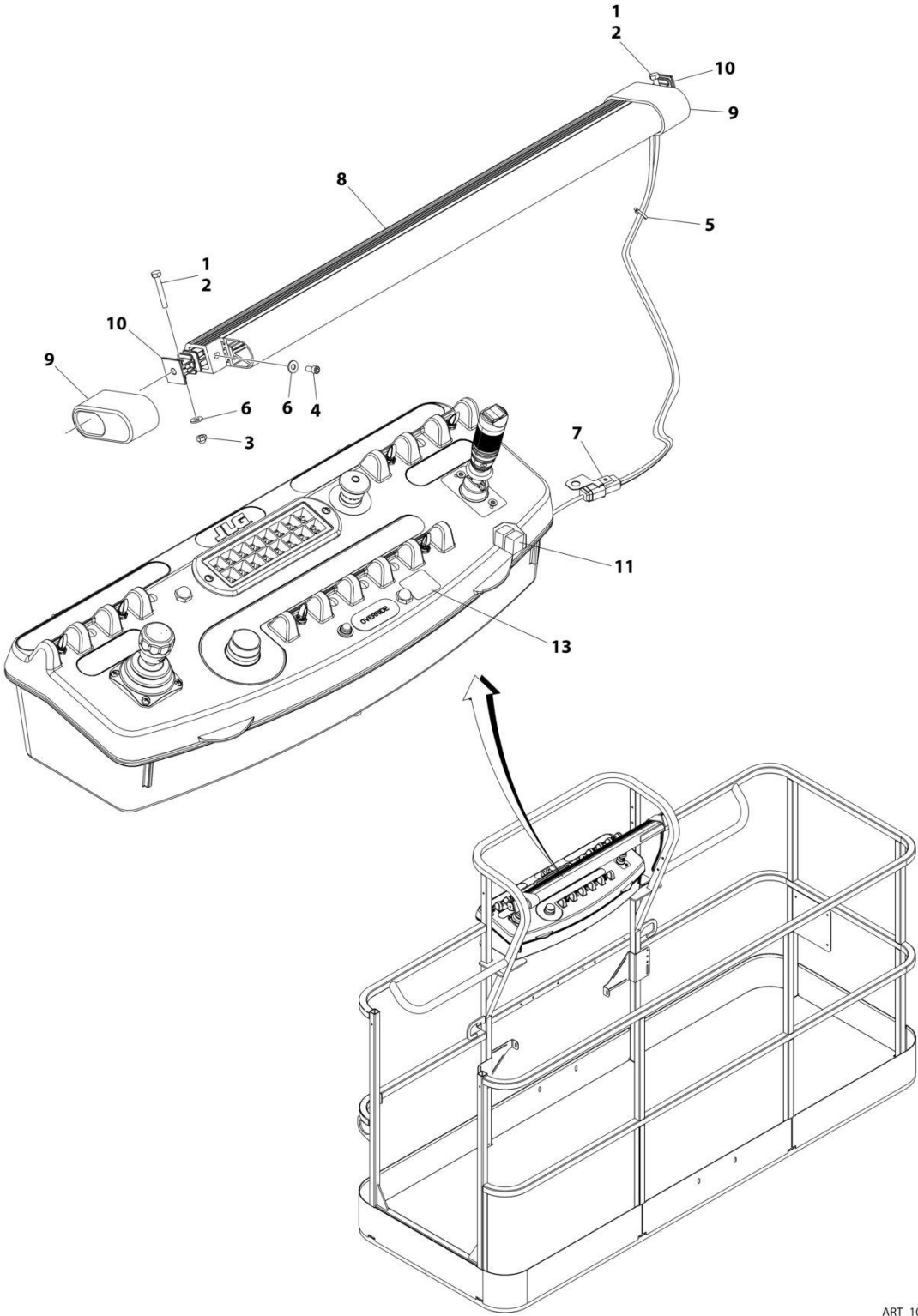
SECTION 5 - PLATFORM

FIGURE 5-18. SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272427	Ref	SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM (OPTIONAL)	G
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0721005	4	Bolt #10 x 5/8	
6	0940103	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	12	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3574091	2	Plate, Switch Strike	
13	4240099	7	Tie-Strap (Not Shown)	
14	4360057	2	Switch, Limit	
15	4360387	1	Switch, Push Button	
16	4420068	AR	Tape, Adhesive	
16	1001197017	AR	Tie-Strap	
17	4460049	2	Connector, Strain Relief	
18	4460234	7	Tie-Strap (Not Shown)	
19	4460425	1	Connector, Strain Relief	
20	4751400	8	Washer 1/4	
21	4751500	12	Washer 5/16	
22	4751800	8	Washer 1/2	
23	4846673	1	Rail, Soft Touch	
24	4933218	1	Soft Touch Wiring Diagram (Not Shown - Reference Only)	
25	2920028	1	Light, Indicator	
26	2920029	1	Bulb, Light	

SECTION 5 - PLATFORM

FIGURE 5-19. SKYGUARD SYSTEM INSTALLATION



ART_1001238495

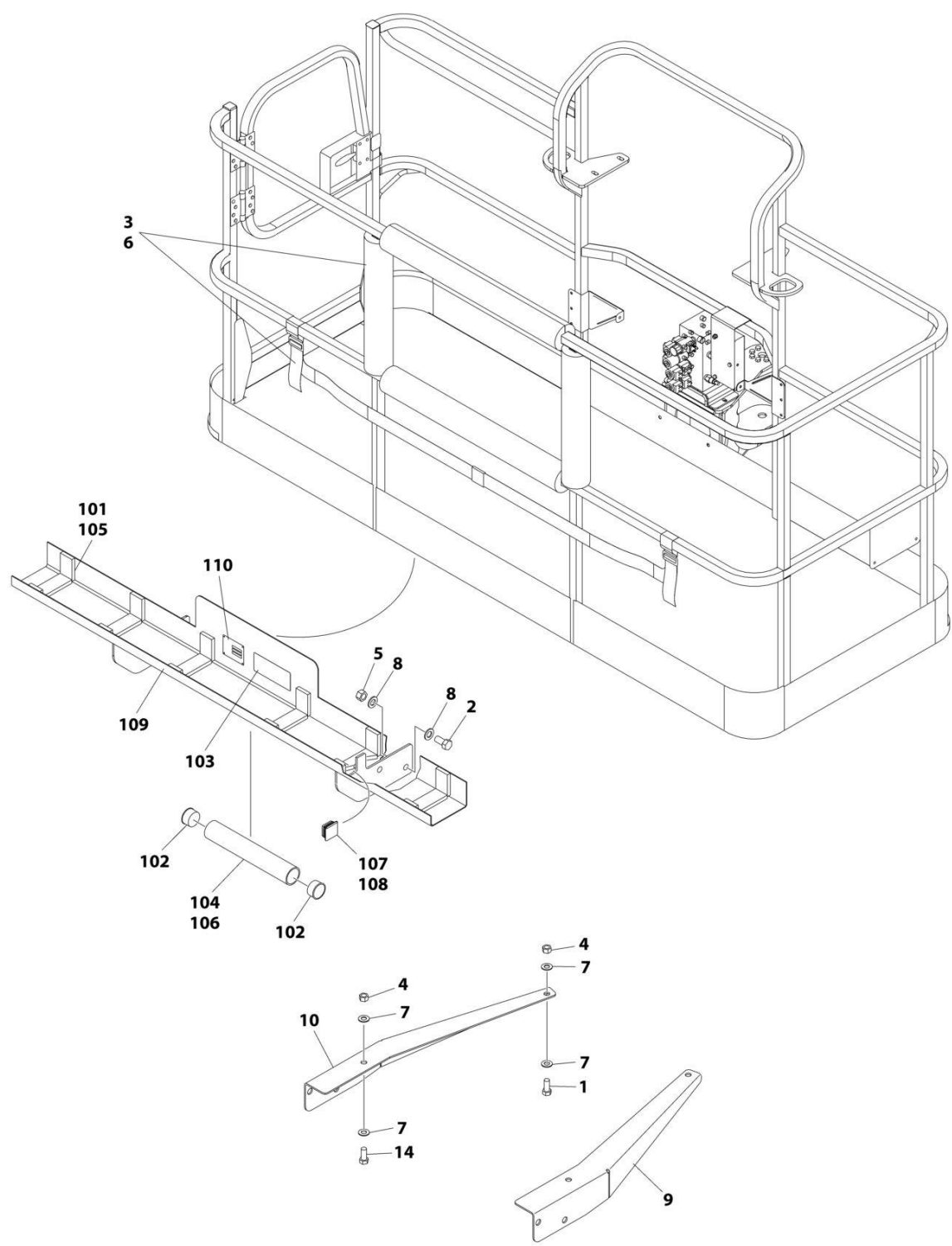
SECTION 5 - PLATFORM

FIGURE 5-19. SKYGUARD SYSTEM 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 5-20. SKYGLAZIER INSTALLATION



ART_1001172578_D

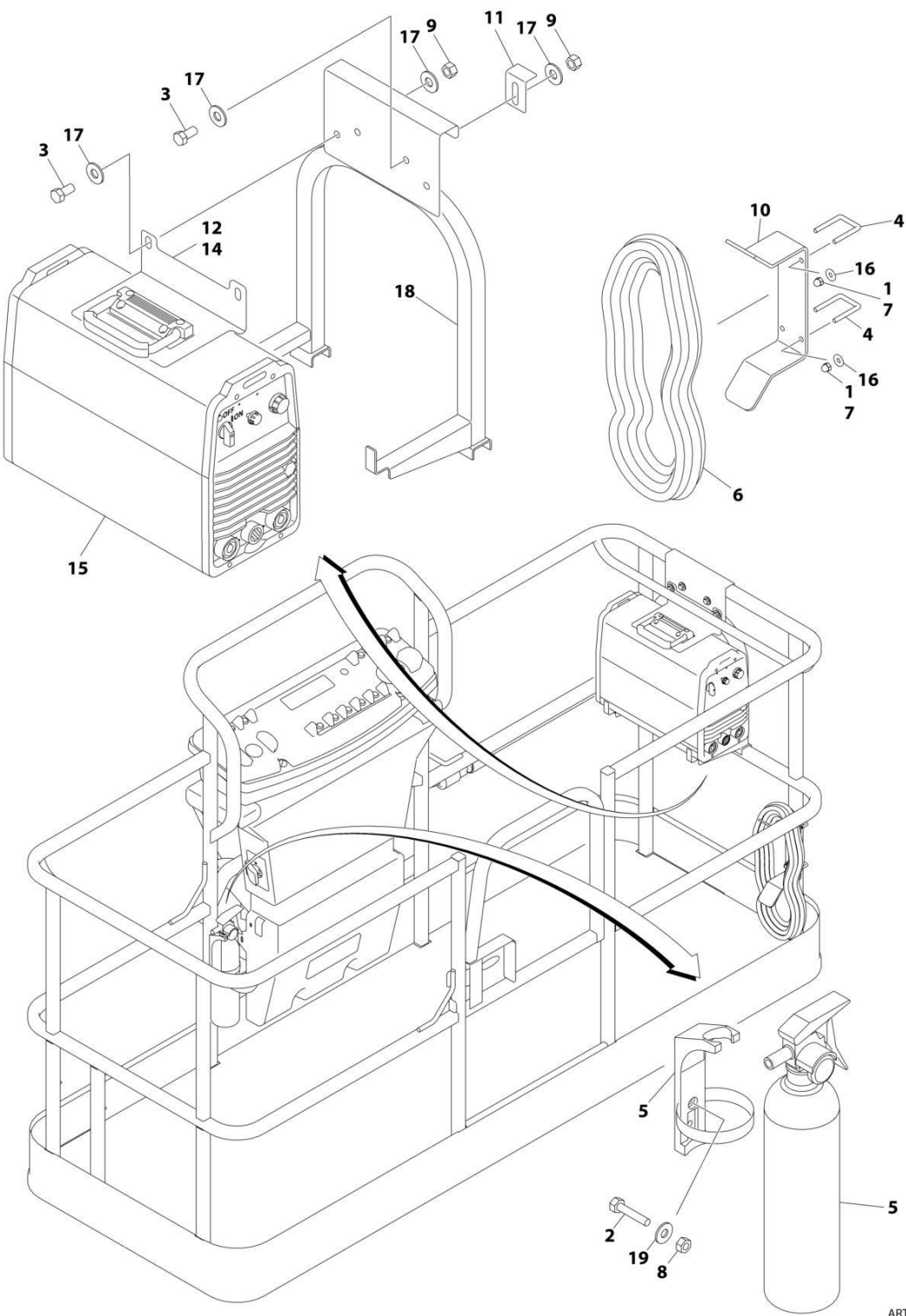
SECTION 5 - PLATFORM

FIGURE 5-20. SKYGLAZIER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172578	Ref	SKYGLAZIER INSTALLATION	D
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	1	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	1001099366	1	Support	
10	1001099367	1	Support	
13	1001303430	1	Tray Assembly (Not Shown) (See Items 101-110 for Breakdown)	
14	8310129	2	Bolt 3/4 x 2-1/2	
	1001303430	Ref	TRAY ASSEMBLY	A
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	1701509	1	Decal - Manual	
104	3124242	1	Manual - Accessories	
105	3340956	1	Pad Kit	
106	3460334	1	Pipe	
107	3520071	2	Plug	
108	4420066	AR	Tape, Double Sided	
109	4846562	1	Weld, Glazier Shelf	
110	1001253726	1	Decal - Accessory	

SECTION 5 - PLATFORM

FIGURE 5-21. SKYWELDER INSTALLATION (50HZ)



ART_0272521_F

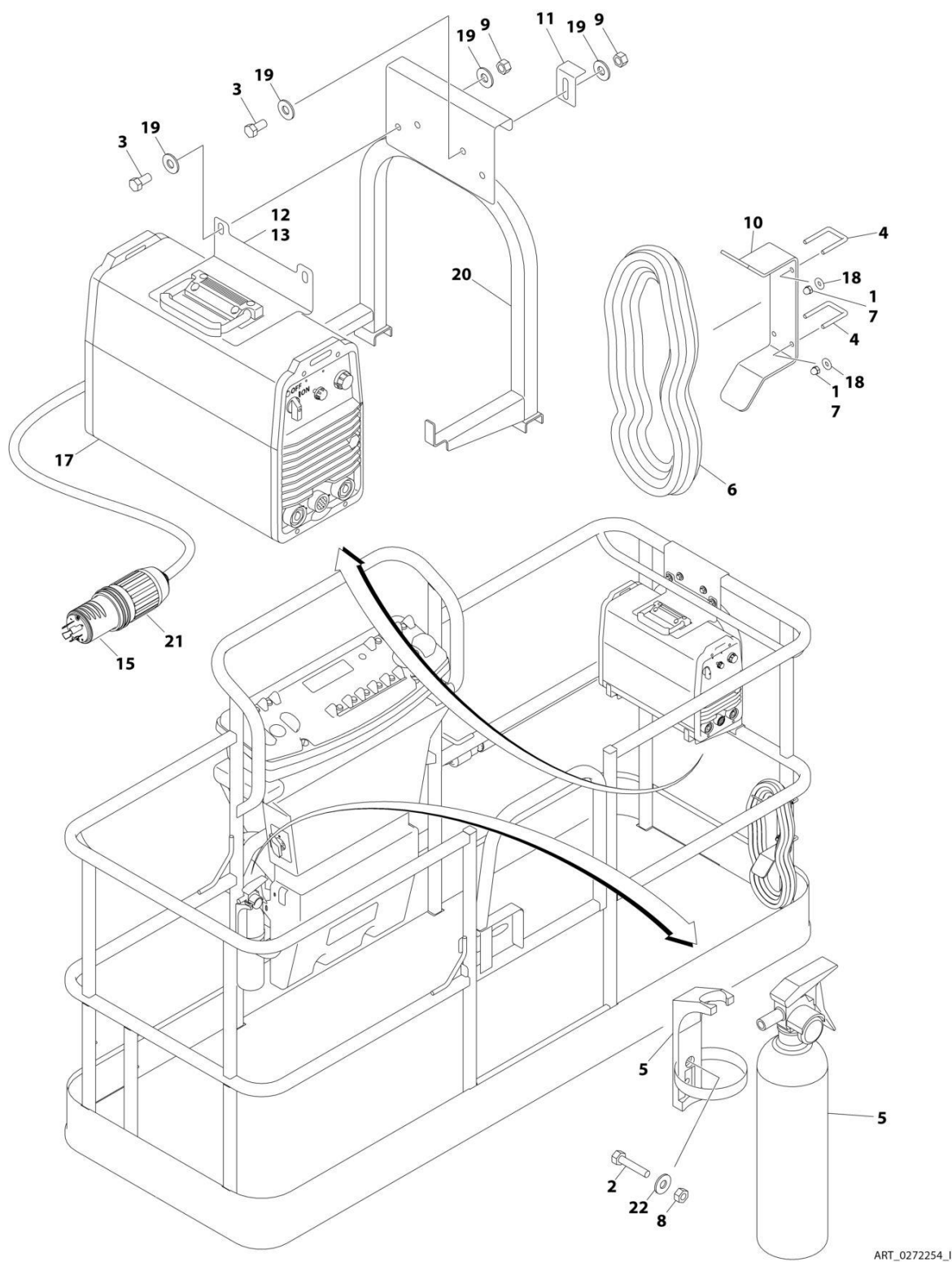
SECTION 5 - PLATFORM

FIGURE 5-21. 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 5-22. SKYWELDER INSTALLATION (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)



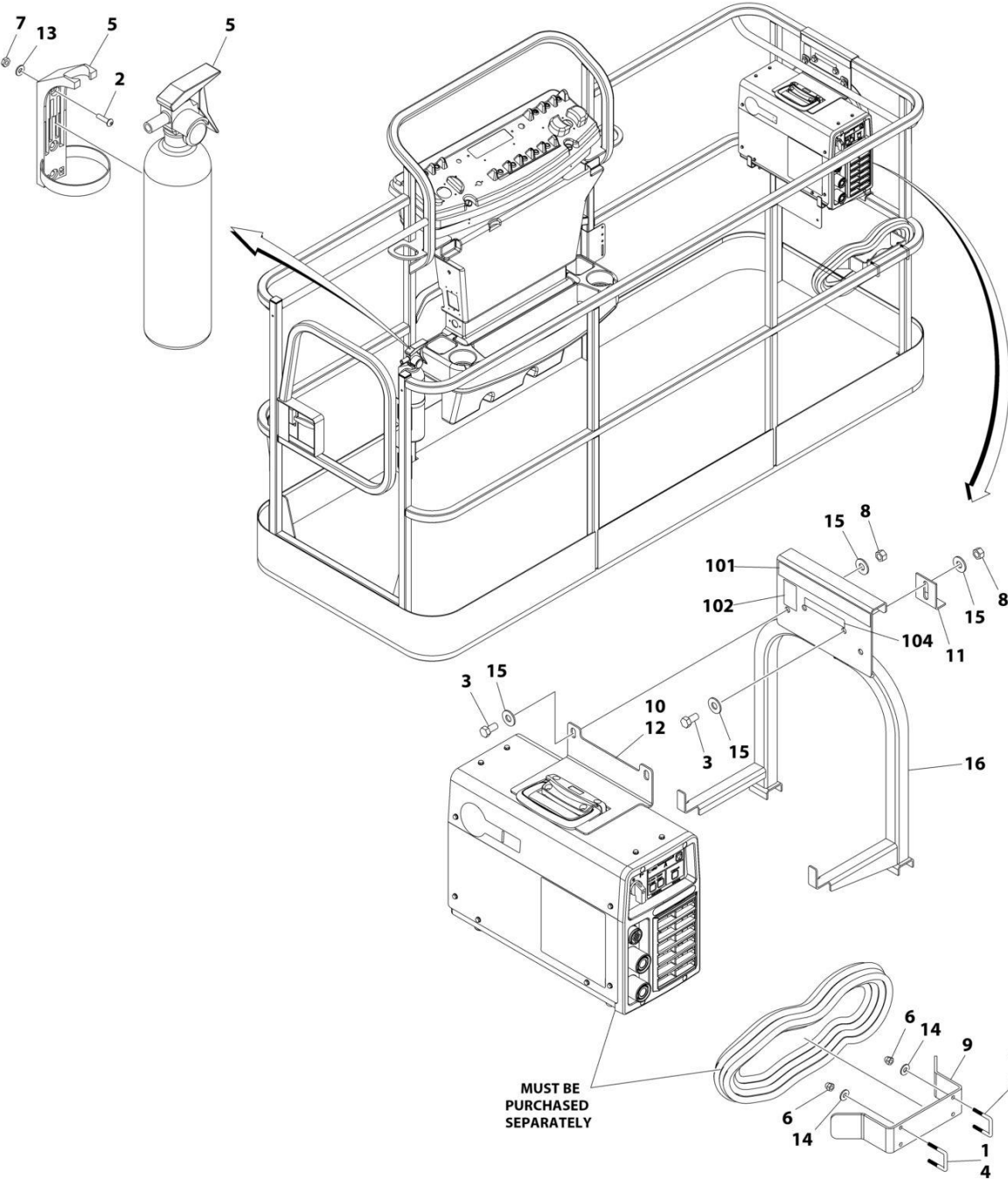
SECTION 5 - PLATFORM

FIGURE 5-22. SKYWELDER INSTALLATION (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

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 5-23. SKYWELDER PREP PACKAGE (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)



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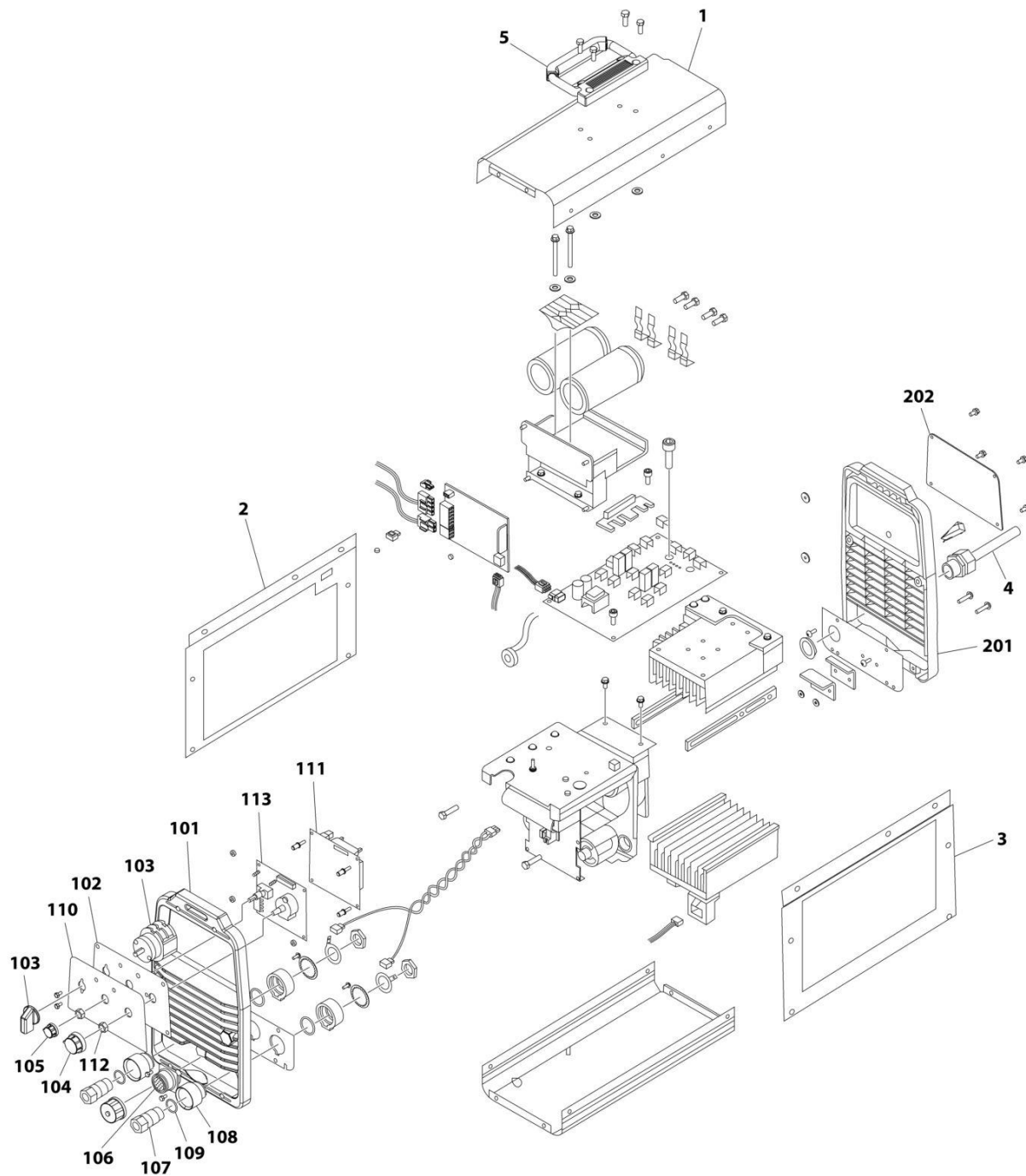
SECTION 5 - PLATFORM

FIGURE 5-23. SKYWELDER PREP PACKAGE (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

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 5-24. WELDER ASSEMBLY



ART_4530028

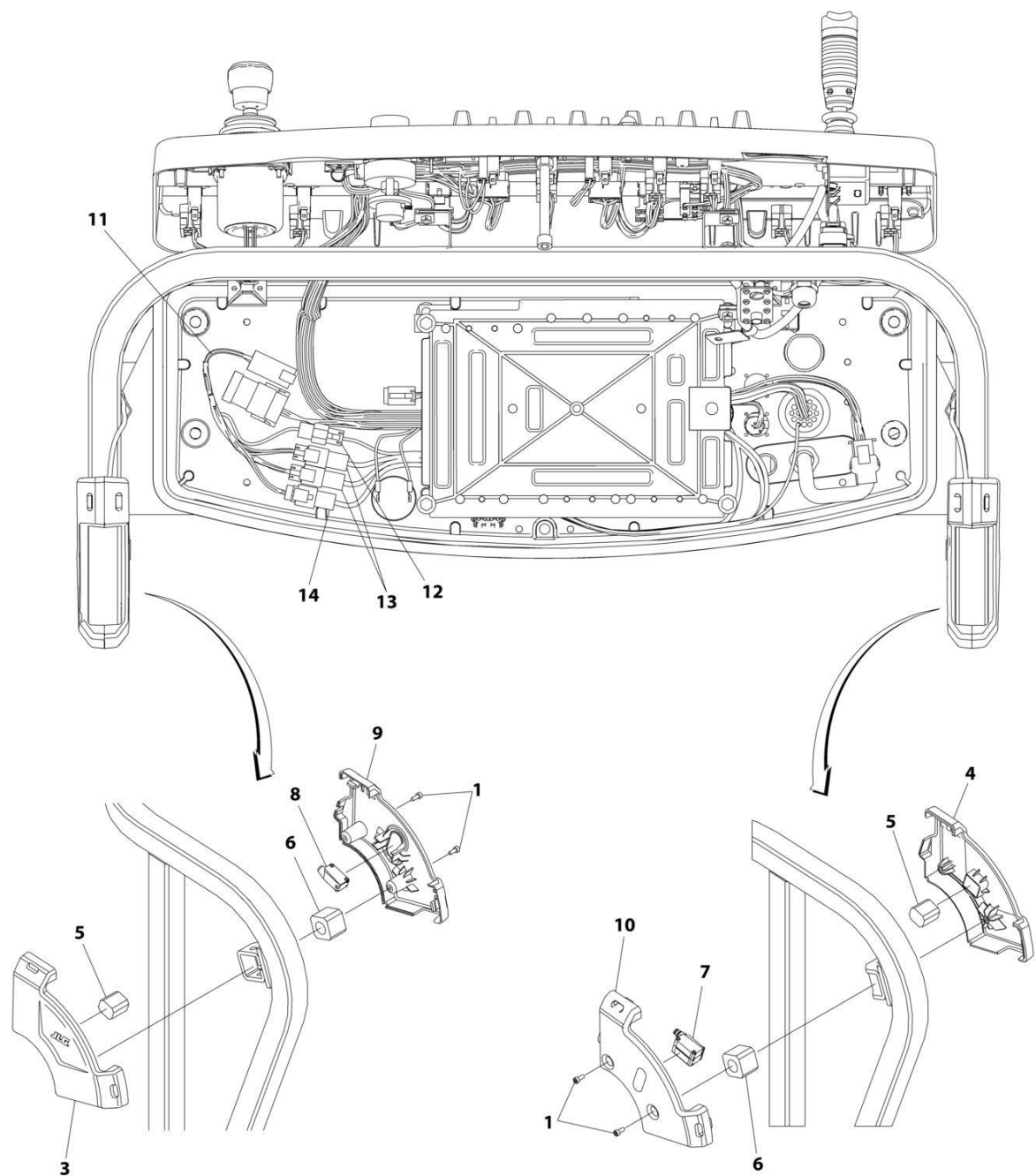
SECTION 5 - PLATFORM

FIGURE 5-24. 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 5-25. SKYEYE INSTALLATION



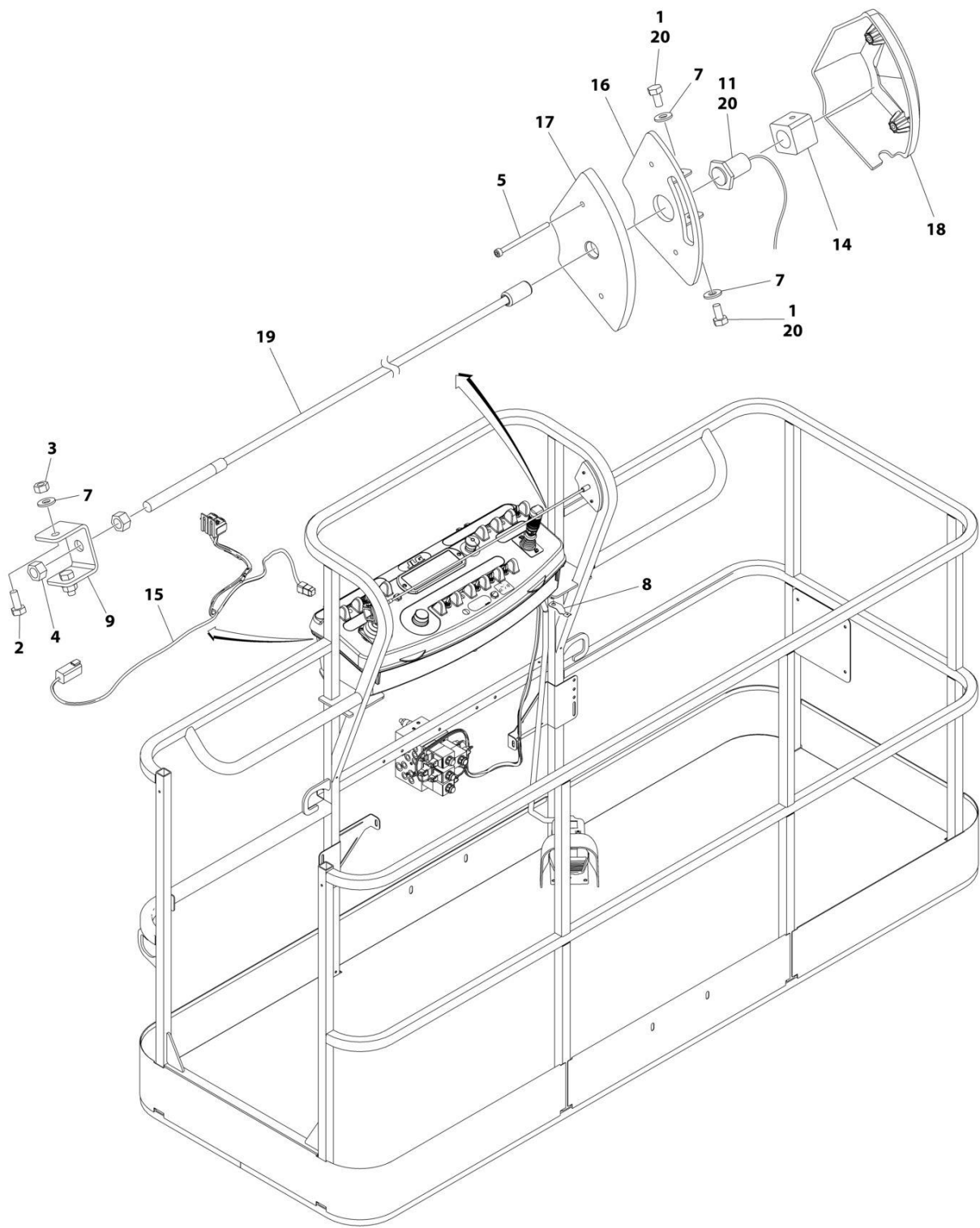
ART_1001229341

FIGURE 5-25. 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 5-26. SKYLINE INSTALLATION



ART_1001238559_D

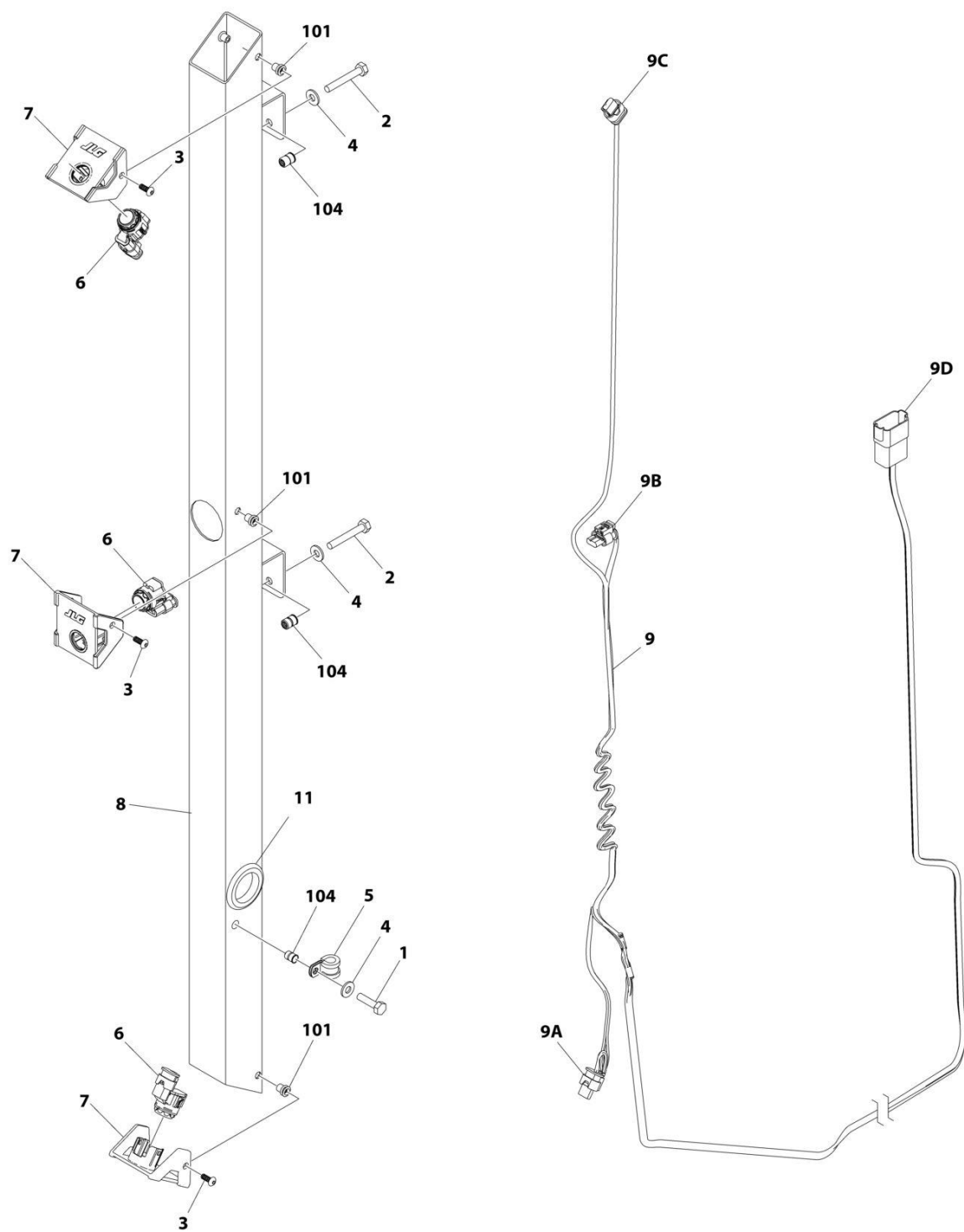
SECTION 5 - PLATFORM

FIGURE 5-26. 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 5-27. SKYSENSE MID TUBE SENSOR ASSEMBLY



ART_1001243205

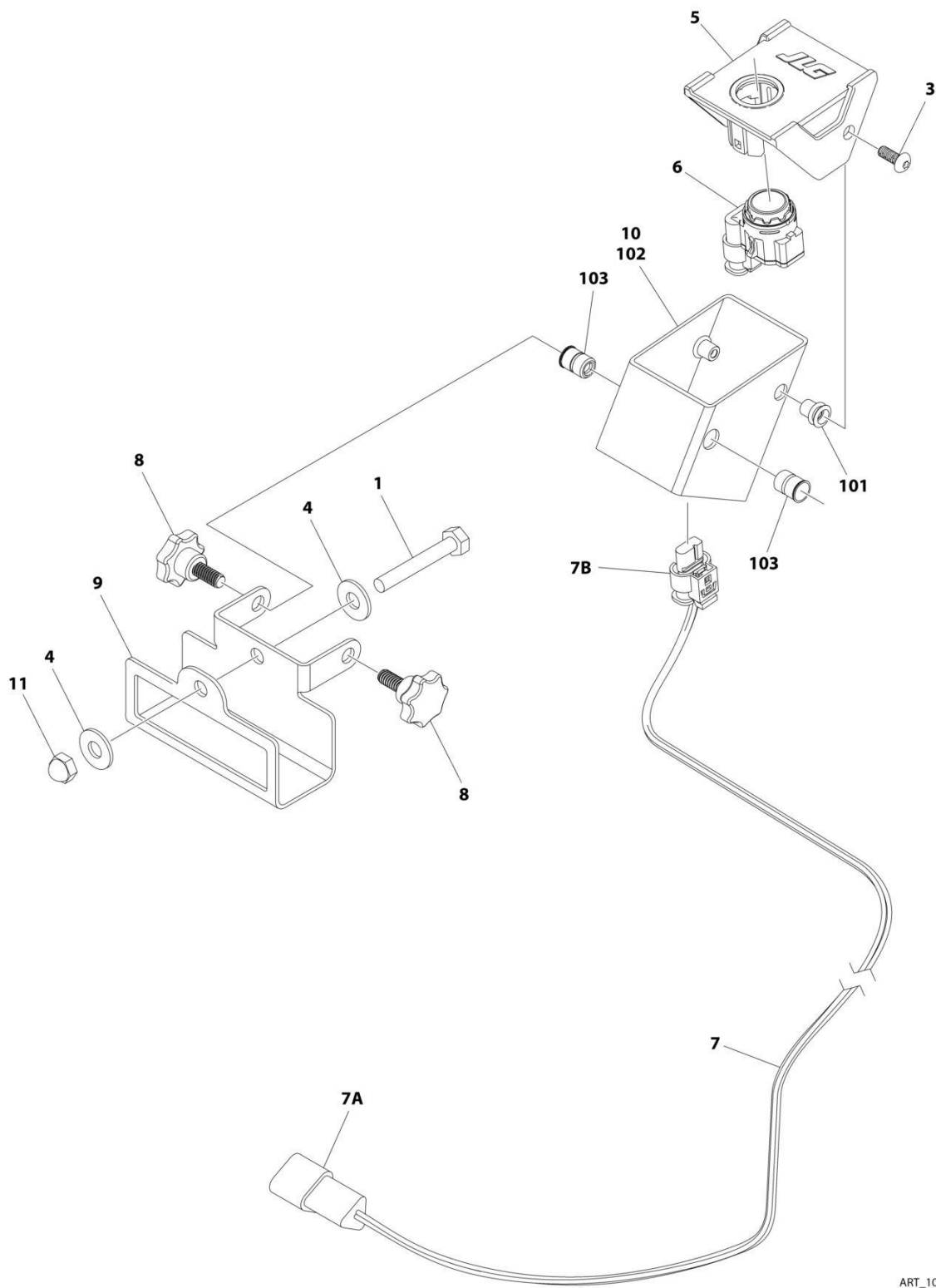
SECTION 5 - PLATFORM

FIGURE 5-27. SKYSENSE MID TUBE SENSOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243205	Ref	SKYSENSE MID TUBE SENSOR ASSEMBLY	C
1	0641408	1	Bolt 1/4 x 1	
2	0641414	2	Bolt 1/4 x 1-3/4	
3	1001260525	6	Screw #10 x 1/2	
4	4711400	3	Washer 1/4	
5	1001260524	1	Clamp	
6	1001237902	3	Sensor, SkySense	
7	1001241162	3	Mount, Sensor	
8	1001243092	1	Tube Assembly (Includes items 101 through 104)	C
9	1001244336	1	Harness, SkySense Mid Tube	D
9A	1001237898	1	Connector	
9A	1001237888	3	Terminal	
9B	1001237898	1	Connector	
9B	1001237888	3	Terminal	
9C	1001237898	1	Connector	
9C	1001237888	3	Terminal	
9D	4460931	1	Connector	
9D	4460943	7	Pin	
9D	4460466	1	Plug	
10	1001246389	1	Decal (Not Shown)	
11	1001247252	1	Grommet	
101	2080069	6	Fastener	
104	1001258730	3	Rivnut	

SECTION 5 - PLATFORM

FIGURE 5-28. SKYSENSE OVERHEAD SENSOR ASSEMBLY



ART_1001244733

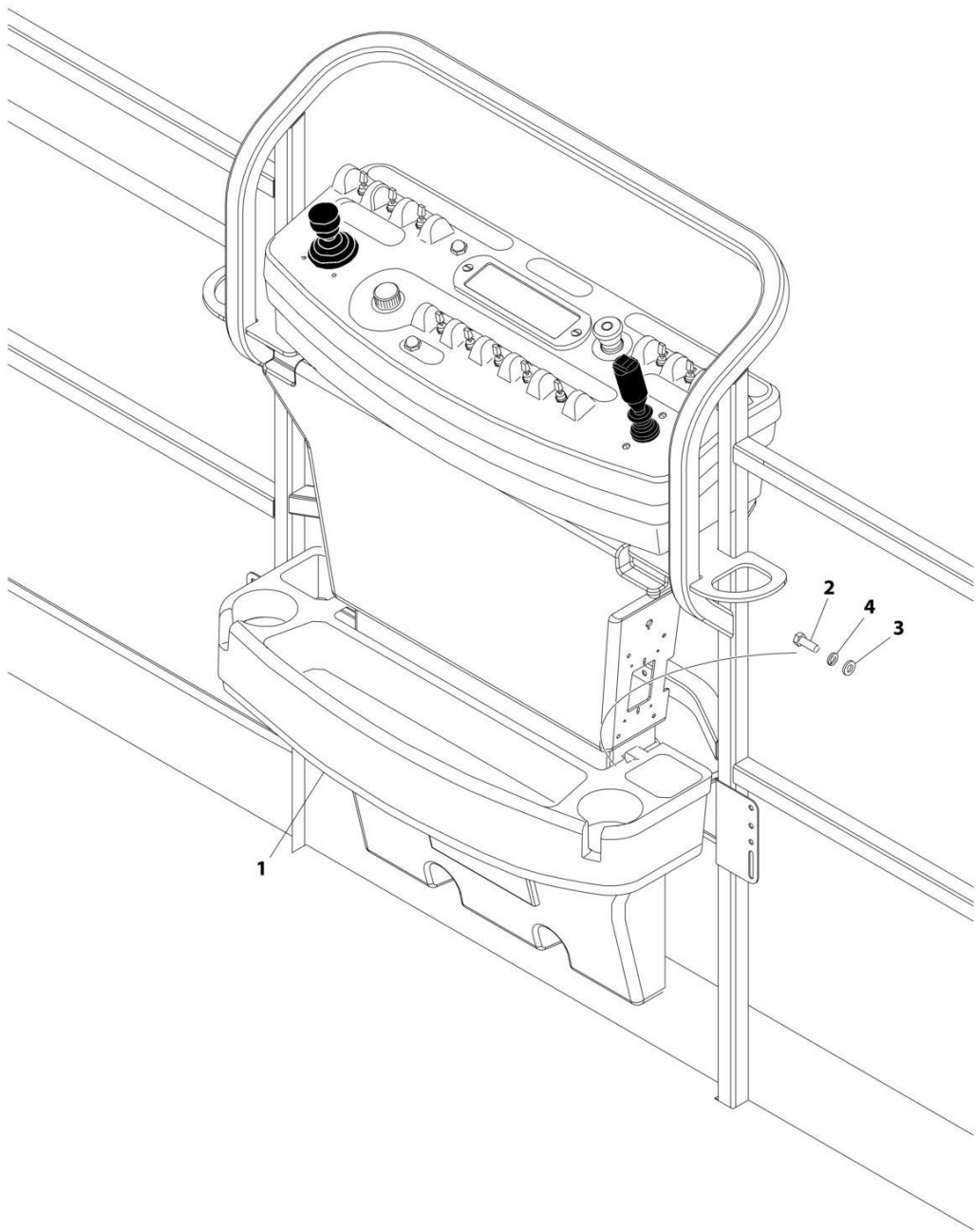
SECTION 5 - PLATFORM

FIGURE 5-28. SKYSENSE OVERHEAD SENSOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244733	Ref	SKYSENSE OVERHEAD SENSOR ASSEMBLY	D
1	0641414	1	Bolt 1/4 x 1-3/4	
3	1001260525	2	Screw #10 x 1/2	
4	4751400	2	Washer 1/4	
5	1001237891	1	Mount, Sensor	
6	1001237902	1	Sensor, SkySense	
7	1001244335	1	Harness, SkySense Overhead	D
7A	4460536	1	Connector	
7A	4460943	3	Pin	
7B	1001237898	1	Connector	
7B	1001237888	1	Terminal	
8	1001244671	2	Knob	
9	1001244709	1	Bracket, Mounting	
10	1001244732	1	Housing Assembly (Includes items 101 through 103)	B
11	3300430	1	Nut	
101	2080069	2	Fastener	
102	1001244710	1	Housing, Sensor	
103	1001258730	2	Rivnut	

SECTION 5 - PLATFORM

FIGURE 5-29. TRAY INSTALLATION



ART_1580012

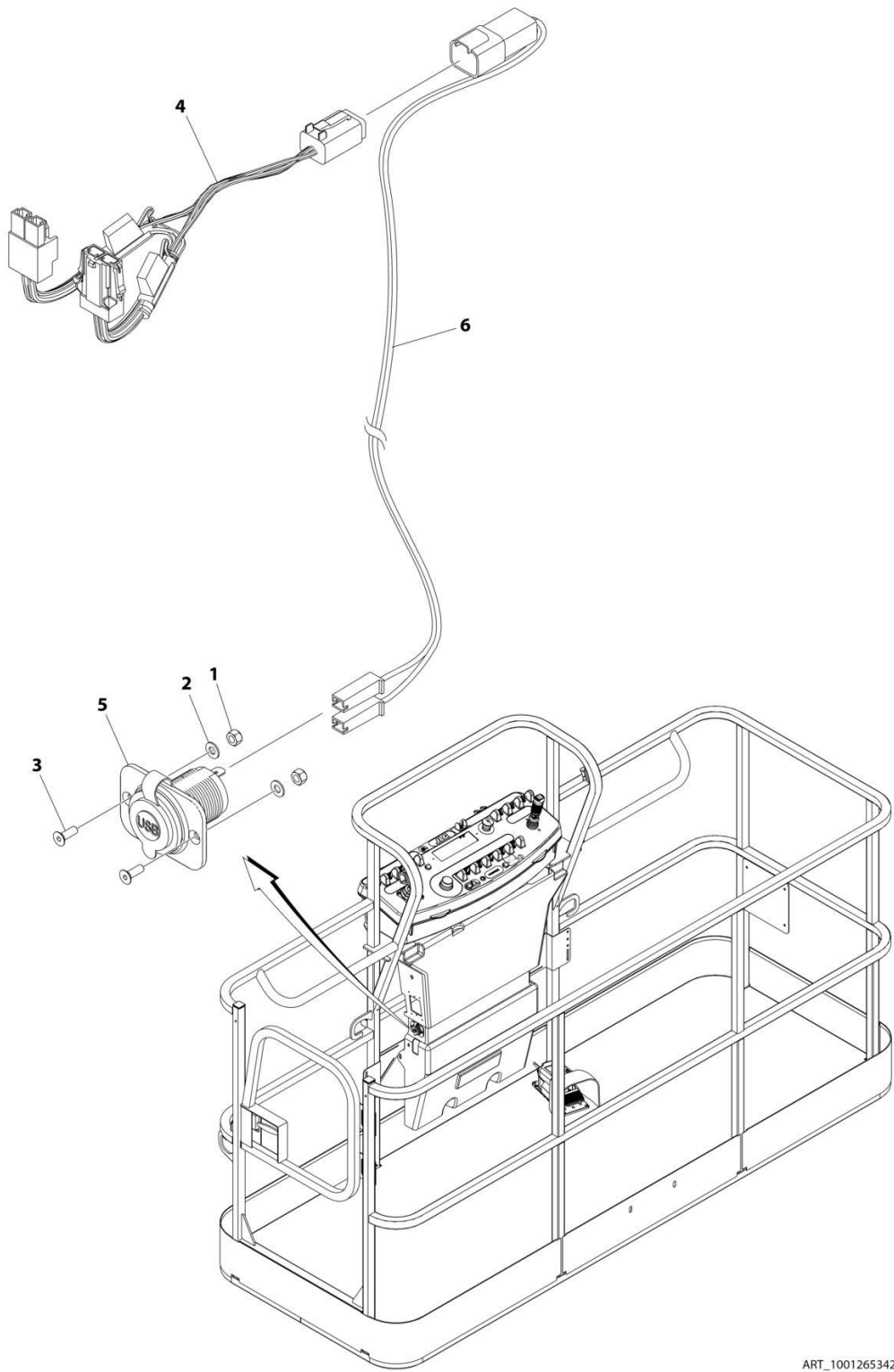
SECTION 5 - PLATFORM

FIGURE 5-29. TRAY INSTALLATION

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 5-30. USB CHARGER INSTALLATION



ART_1001265342

SECTION 5 - PLATFORM

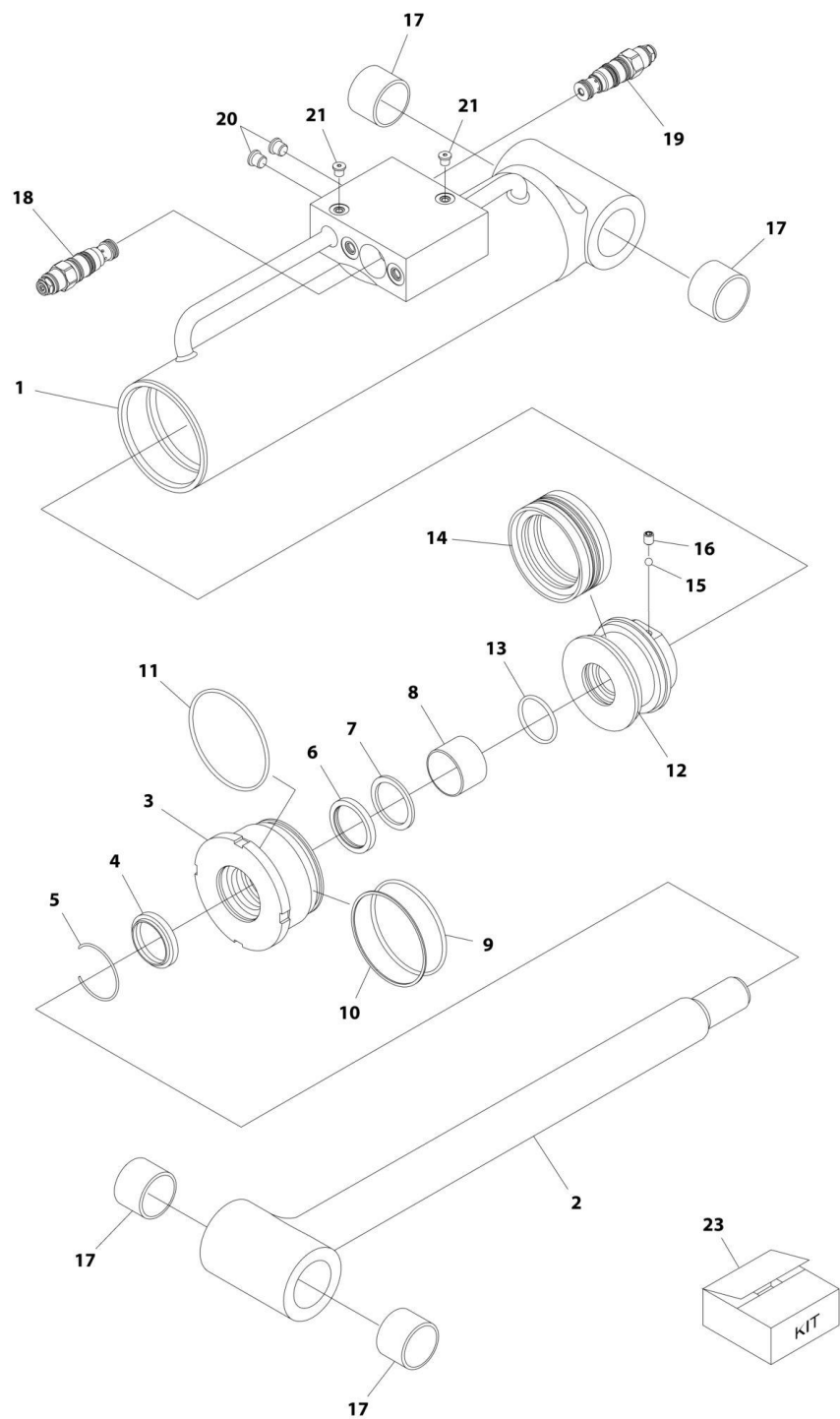
FIGURE 5-30. USB CHARGER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265342	Ref	USB CHARGER INSTALLATION	A
1	3290405	2	Nut M4	
2	4811400	2	Washer M4	
3	1001097244	2	Screw M4 x 12	
4	1001120484	1	Harness, Work Lights	
4	4460879	1	Plug, Male - 2 Position	
4	4460887	2	Terminal	
4	2400060	2	Fuseholder Includes Cover	
4	8229249	2	Fuse, 3 Amp	
4	4460884	1	Connector - 4 Position	
4	4460465	4	Socket, Female	
4	1001120471	1	Connector - 2 Position	
4	1001120477	2	Terminal	
5	1001210636	1	Receptacle, USB	
6	1001265163	1	Harness, USB	A
6	4460260	2	Cover, Terminal	
6	4460259	2	Terminal	
6	4460932	1	Receptacle, Bussbar - 4 Position	
6	4460464	2	Pin, Male	
6	4460466	2	Plug, Terminal	

SECTION 6 - CYLINDER

SECTION 6 - CYLINDER

FIGURE 6-1. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY



ART_1001163386

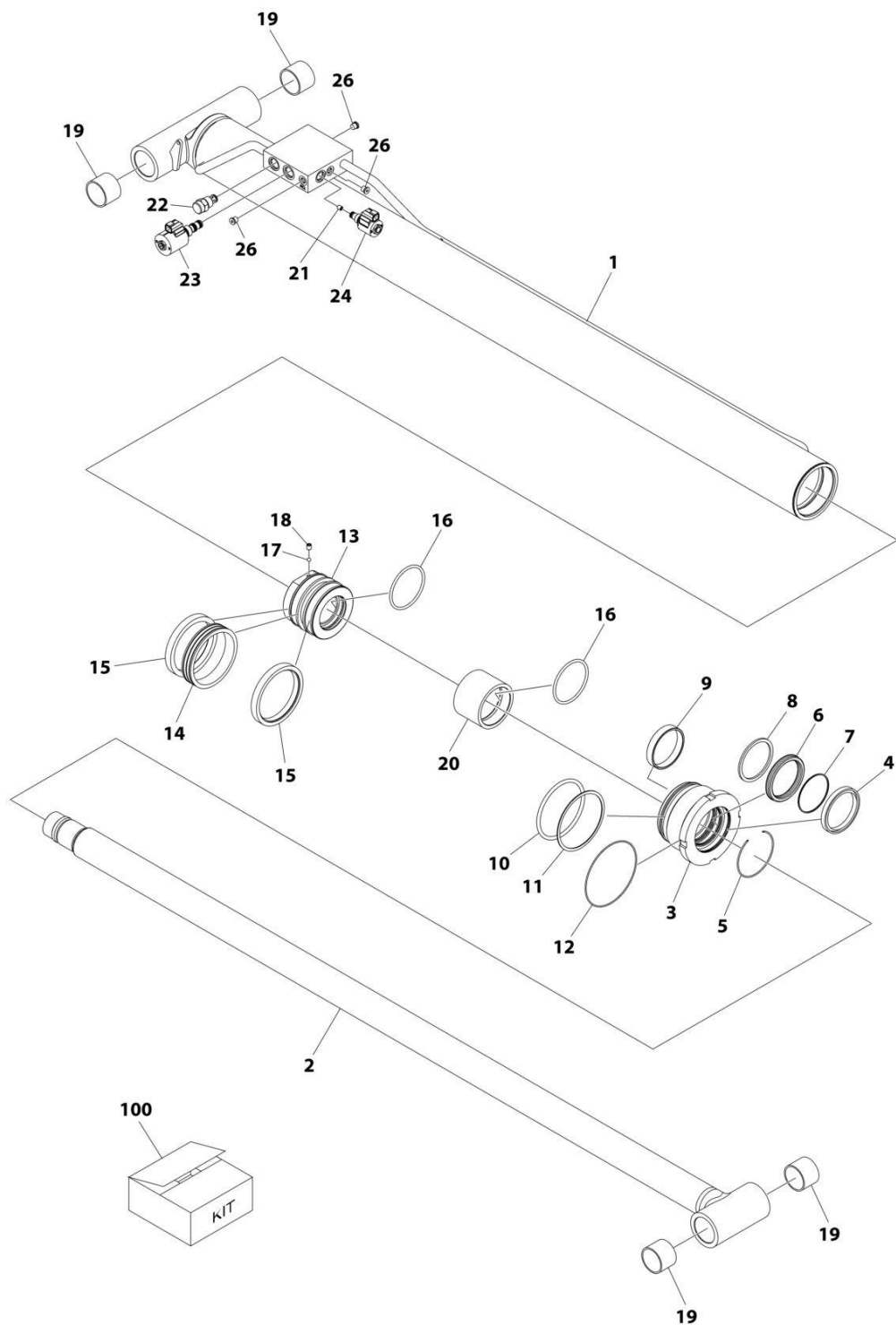
SECTION 6 - CYLINDER

FIGURE 6-1. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163386	Ref	LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY	G
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005147	1	Barrel	
2	70005148	1	Rod	
3	70005142	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 23)	
5	70002373	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 23)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 23)	
8	70005143	1	Bearing, Dry	
9	See Note	NSS	O-Ring (Note: Use Item 23)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 23)	
11	See Note	NSS	O-Ring (Note: Use Item 23)	
12	70005144	1	Piston	
13	See Note	NSS	O-Ring (Note: Use Item 23)	
14	See Note	NSS	Seal, Piston (Note: Use Item 23)	
15	70022564	1	Ball	
16	70023369	1	Setscrew	
17	70005145	4	Bearing	
18	1001168209	1	Cartridge, Valve	
18	2900770	1	Seal Kit - 1001168209 Valve	
19	1001168210	1	Cartridge, Valve	
19	2900770	1	Seal Kit - 1001168210 Valve	
20	70023370	1	Plug 7/16	
21	2220881	1	Plug, O-Ring 5/16	
23	70005149	1	Seal Kit - 1001163386 Cylinder (Includes Items 4, 6, 7, 9, 10, 11, 13 & 14)	

SECTION 6 - CYLINDER

FIGURE 6-2. LIFT CYLINDER ASSEMBLY - MAIN BOOM



ART_1001228092

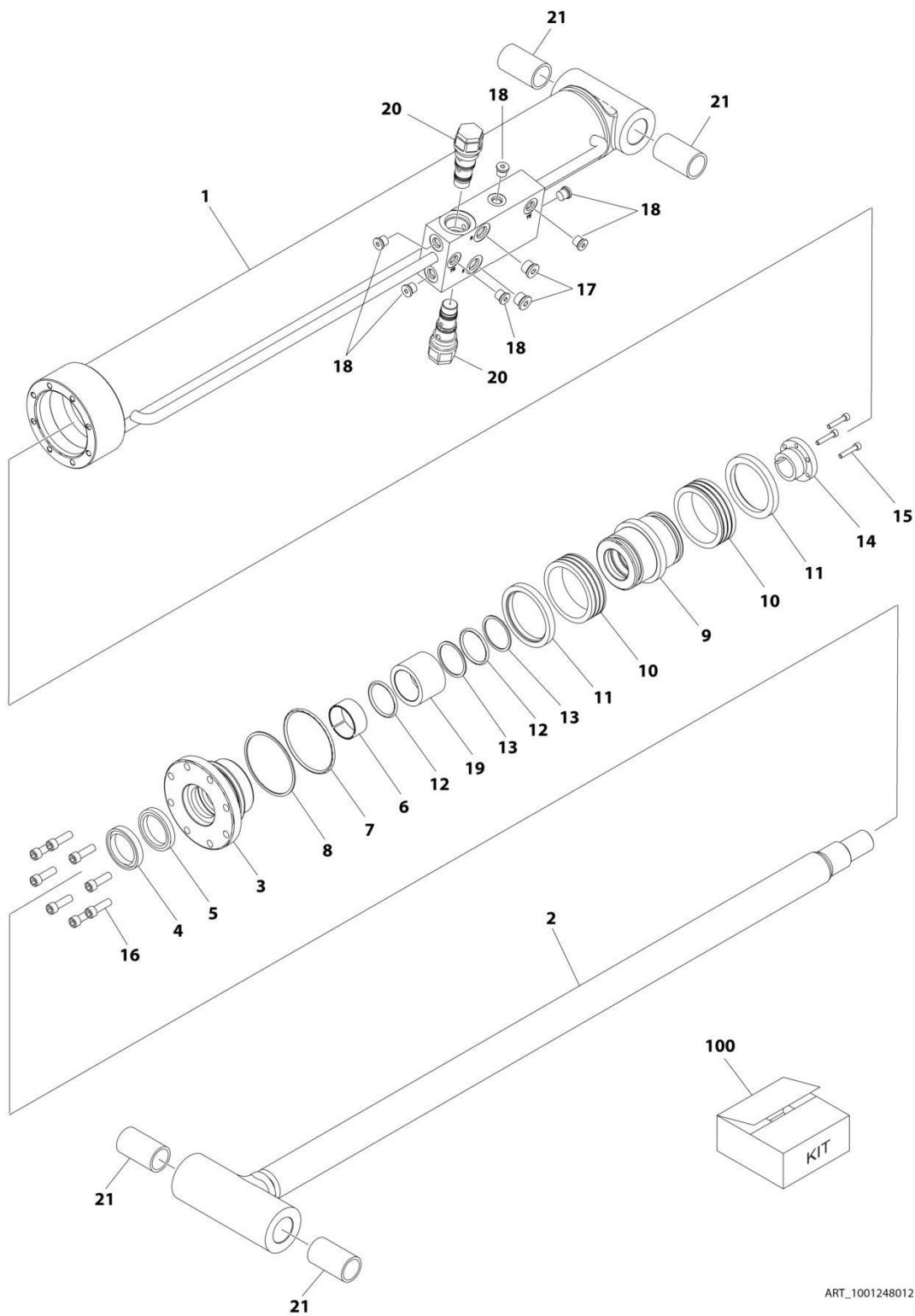
SECTION 6 - CYLINDER

FIGURE 6-2. LIFT CYLINDER ASSEMBLY - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228092	Ref	LIFT CYLINDER ASSEMBLY - MAIN BOOM	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 (Use p/n 1001228092)	
2	70006702	1	Rod	
3	70006703	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70050795	1	Ring, Retainer	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	O-Ring (Note: Use Item 100)	
8	See Note	NSS	Ring (Note: Use Item 100)	
9	70006636	1	Ring, Wear	
10	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
12	See Note	NSS	O-Ring (Note: Use Item 100)	
13	70006704	1	Piston	
14	See Note	NSS	Seal (Note: Use Item 100)	
15	See Note	NSS	Ring, Wear (Note: Use Item 100)	
16	See Note	NSS	Seal (Note: Use Item 100)	
17	70022564	1	Ball	
18	70023369	1	Setscrew M8 x 10	
19	0961950	4	Bearing	
20	70006705	1	Spacer	
21	70004231	1	Orifice	
22	4641390	1	Cartridge, Check Valve	
22	7017496	1	Seal Kit - 4641390 Valve	
23	1001206625	1	Cartridge, Valve (Includes Coil)	
23	70006104	1	Cartridge, Less Coil	
23	70006105	1	Seal Kit - 70006104 & 1001206625 Cartridges	
23	70003788	1	Coil	
23	7022390	1	Nut, Coil	
24	1001164709	1	Cartridge, Valve (Includes Coil)	
24	7017467	1	Cartridge, Less Coil	
24	7012998	1	Seal Kit - 7017467 & 1001164709 Cartridges	
24	70002386	1	Coil	
26	2220883	3	Plug #4	
100	70006706	1	Seal Kit - 1001228092 Cylinder (Includes Item 4, 6-8, 10-12 & 14-16)	

SECTION 6 - CYLINDER

FIGURE 6-3. LIFT CYLINDER ASSEMBLY - JIB (460SJC)



ART_1001248012

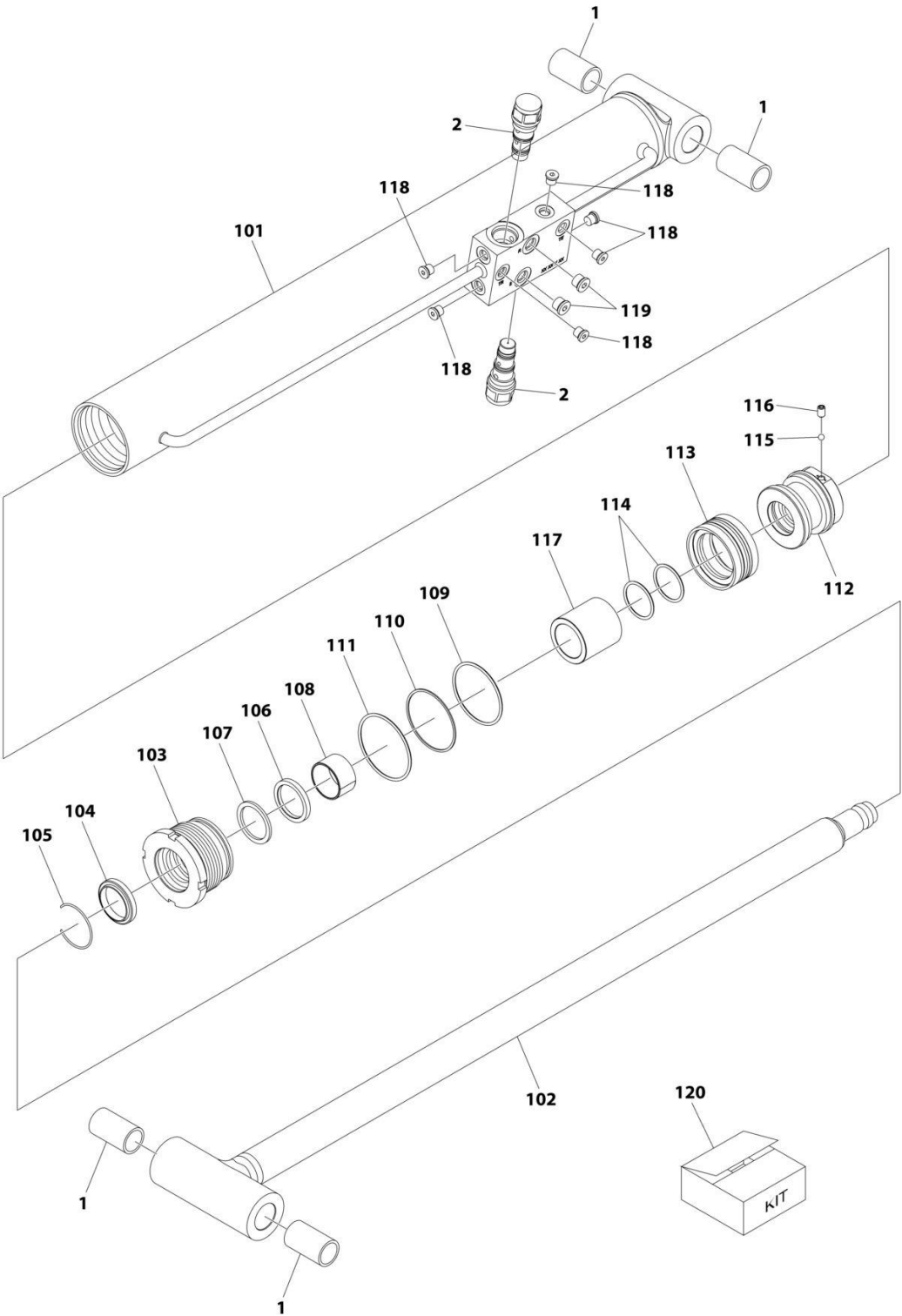
SECTION 6 - CYLINDER

FIGURE 6-3. LIFT CYLINDER ASSEMBLY - JIB (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248012	Ref	LIFT CYLINDER ASSEMBLY - JIB	C
		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: Not Available for Purchase)	
2	70006734	1	Rod	
3	70006649	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	See Note	NSS	Seal, Rod (Note: Use Item 100)	
6	See Note	NSS	Ring, Wear (Note: Use Item 100)	
7	See Note	NSS	O-Ring (Note: Use Item 100)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
9	70006650	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 100)	
11	See Note	NSS	Ring, Lock (Note: Use Item 100)	
12	See Note	NSS	O-Ring (Note: Use Item 100)	
13	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
14	0961893	1	Bushing, Tapered	
15	0630534	3	Capscrew, Socket Head #10 x 1	
16	70006735	8	Capscrew 5/16	
17	2220885	2	Plug, O-Ring	
18	2220883	6	Plug, O-Ring	
19	70006736	1	Spacer	
20	4640509	2	Cartridge, Valve	
20	2900792	2	Seal Kit - 4640509 Valve	
21	0962336	4	Bushing	
100	1001138795	1	Seal Kit (Includes Items 4-8 & 10-13)	

SECTION 6 - CYLINDER

FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB (460SJC)



ART_1001251012

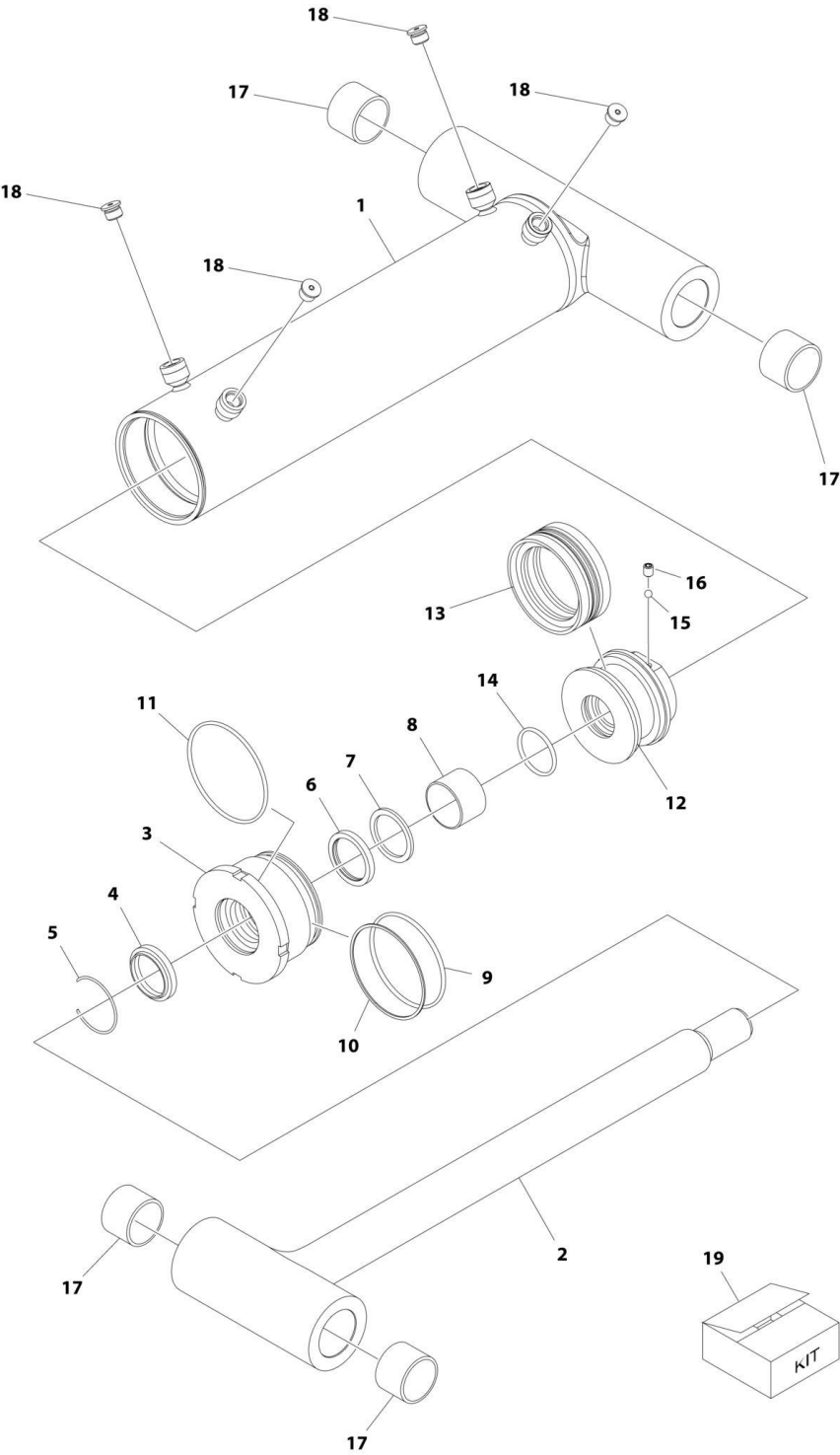
SECTION 6 - CYLINDER

FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251012	Ref	LIFT CYLINDER ASSEMBLY - JIB	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	2	Cartridge, Valve	
2	2900792	2	Seal Kit - 4640509 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. MASTER CYLINDER ASSEMBLY



ART_1001163385

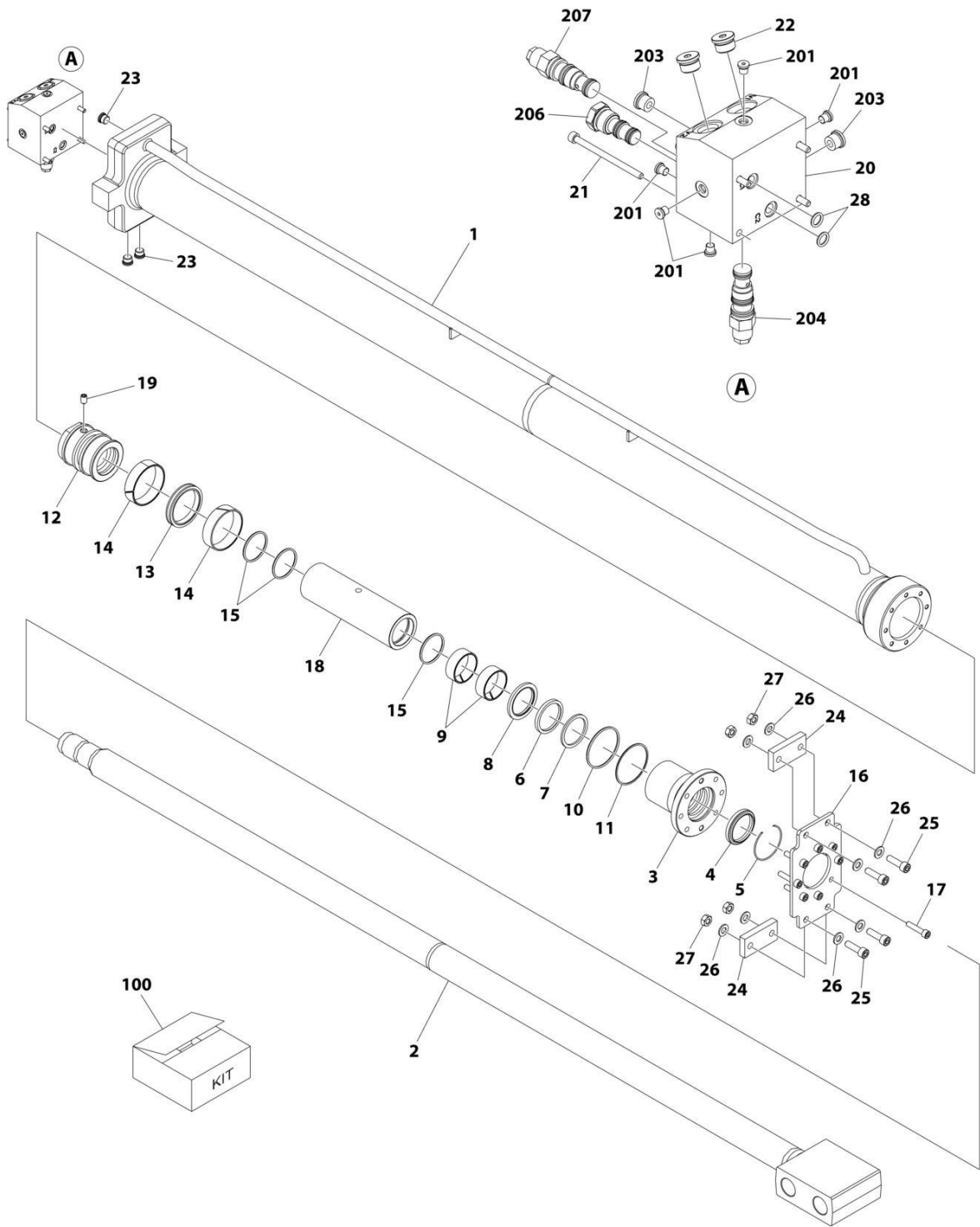
SECTION 6 - CYLINDER

FIGURE 6-5. MASTER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163385	Ref	MASTER CYLINDER ASSEMBLY	F
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005140	1	Barrel	
2	70005141	1	Rod	
3	70005142	1	Head, Cylinder	
4	See Note	NSS	Wiper (Note: Use Item 19)	
5	70002373	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 19)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 19)	
8	70005143	1	Bearing, Dry	
9	See Note	NSS	O-Ring (Note: Use Item 19)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 19)	
11	See Note	NSS	O-Ring (Note: Use Item 19)	
12	70005144	1	Piston	
13	See Note	NSS	Seal, Piston	
14	See Note	NSS	O-Ring (Note: Use Item 19)	
15	70022564	1	Ball	
16	70023369	1	Setscrew M8 x 31.75	
17	70005145	4	Bearing	
18	700023371	4	Plug 9/16	
19	70005146	1	Seal Kit - 1001163385 Cylinder (Includes Items 4, 6, 7, 9, 10, 11, 13 & 14)	

SECTION 6 - CYLINDER

FIGURE 6-6. TELESCOPE CYLINDER ASSEMBLY



ART_1001251075

SECTION 6 - CYLINDER

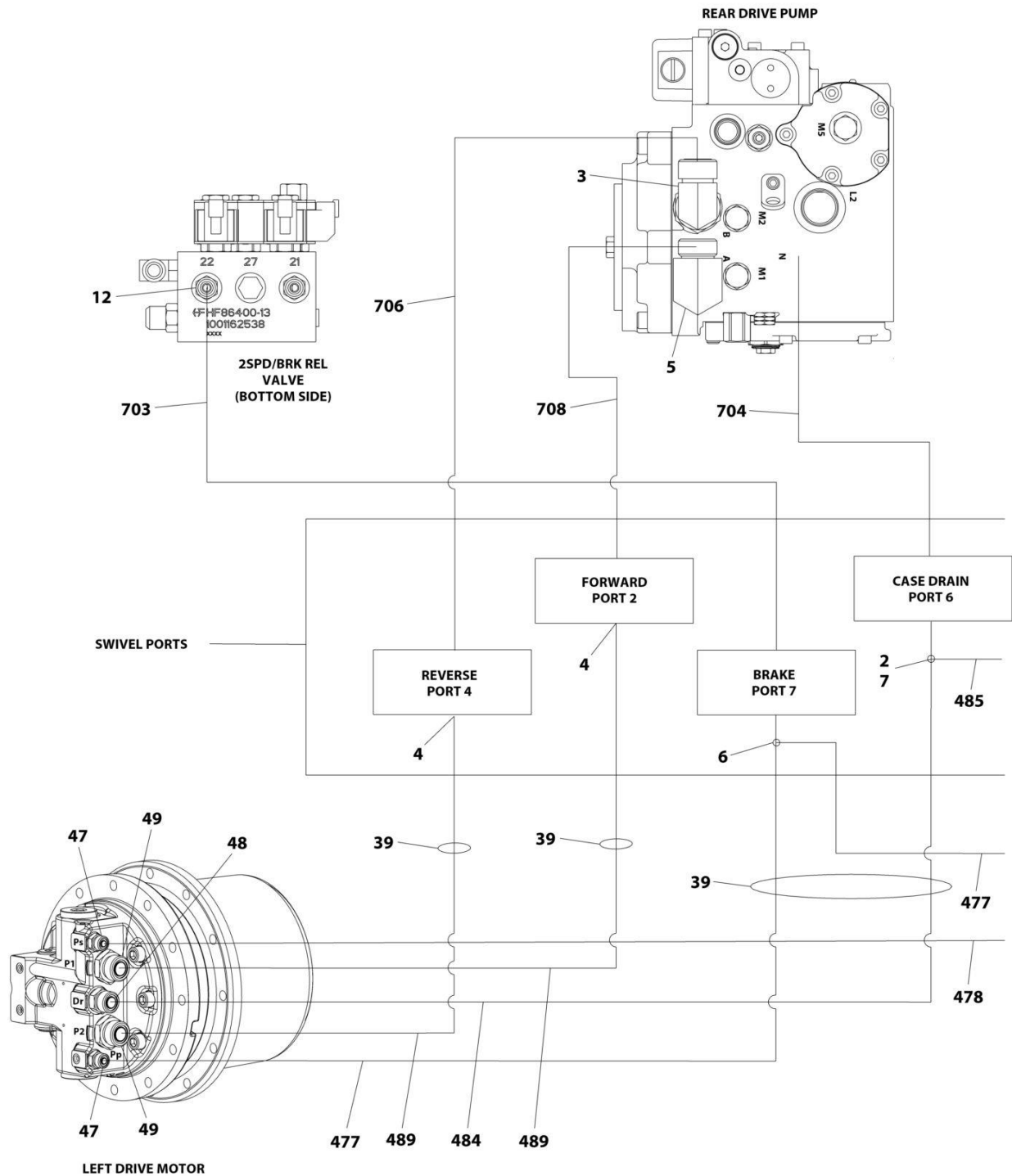
FIGURE 6-6. TELESCOPE CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251075	Ref	TELESCOPE 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: Purchase Complete Assembly)	
2	70007062	1	Rod	
3	70007063	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70002412	1	Ring, Retaining	
6	See Note	NSS	Seal (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	See Note	NSS	Ring, Wear (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	70007064	1	Piston	
13	See Note	NSS	Seal (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	70007065	1	Plate	
17	70007066	8	Capscrew	
18	70007067	1	Spacer	
19	70006817	1	Set Screw	
20	1001166997	1	Valve Block Assembly (See Items 201-207 for Breakdown)	
21	70007068	4	Capscrew	
22	2220886	2	Plug, O-Ring	
23	2220885	3	Plug	
24	70007069	2	Pad, Wear	
25	70007070	4	Bolt	
26	70006344	8	Washer	
27	70007071	4	Nut	
28	See Note	NSS	O-Ring (Note: Use Item 100)	
100	70007072	1	Seal Kit - 1001251075 Cylinder (Includes Items 4, 6-11, 13-15 & 28)	
	1001166997	Ref	VALVE BLOCK ASSEMBLY	
201	2220881	5	Plug	
203	2220885	2	Plug	
204	4640452	1	Cartridge, Counterbalance Valve	
204	2900770	1	Seal Kit - 4640452 Valve	
206	1001165363	1	Cartridge, Shuttle Valve	
206	7012518	1	Seal Kit - 1001165363 Valve	
207	1001168209	1	Cartridge, Counterbalance Valve	
207	2900770	1	Seal Kit - 1001168209 Valve	

SECTION 7 - HYDRAULIC

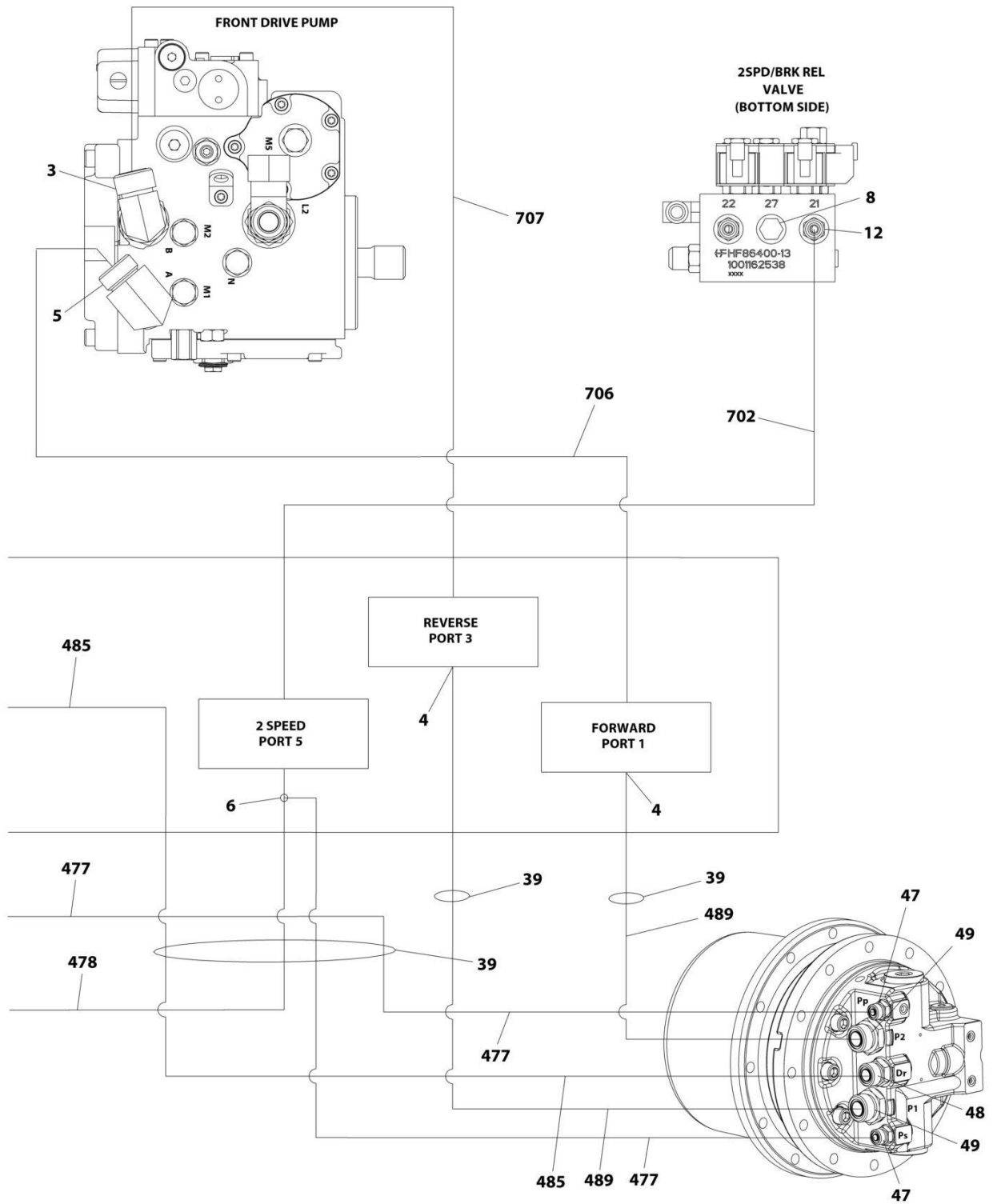
SECTION 7 - HYDRAULIC

FIGURE 7-1. HYDRAULIC DIAGRAM (400SC)



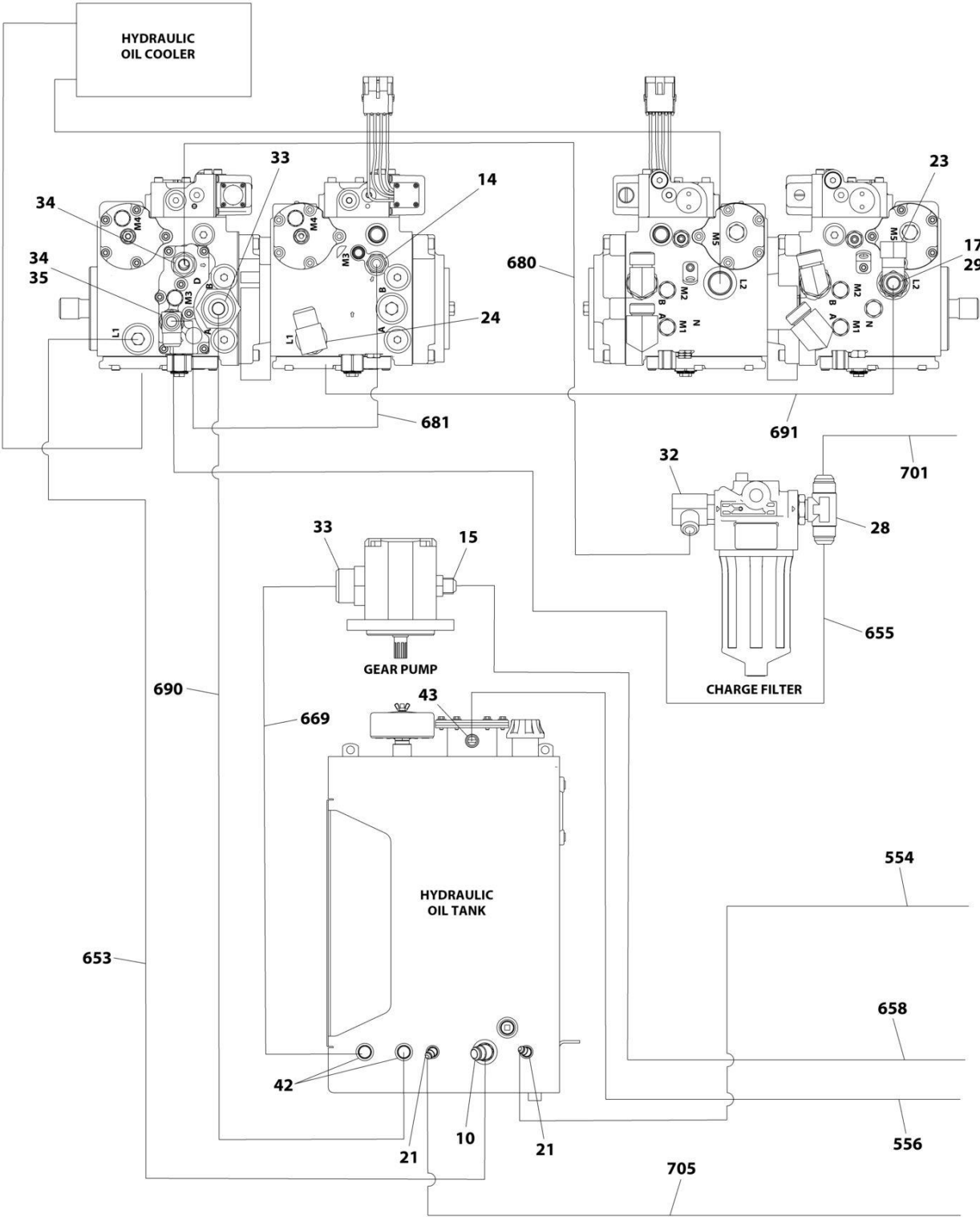
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SECTION 7 - HYDRAULIC



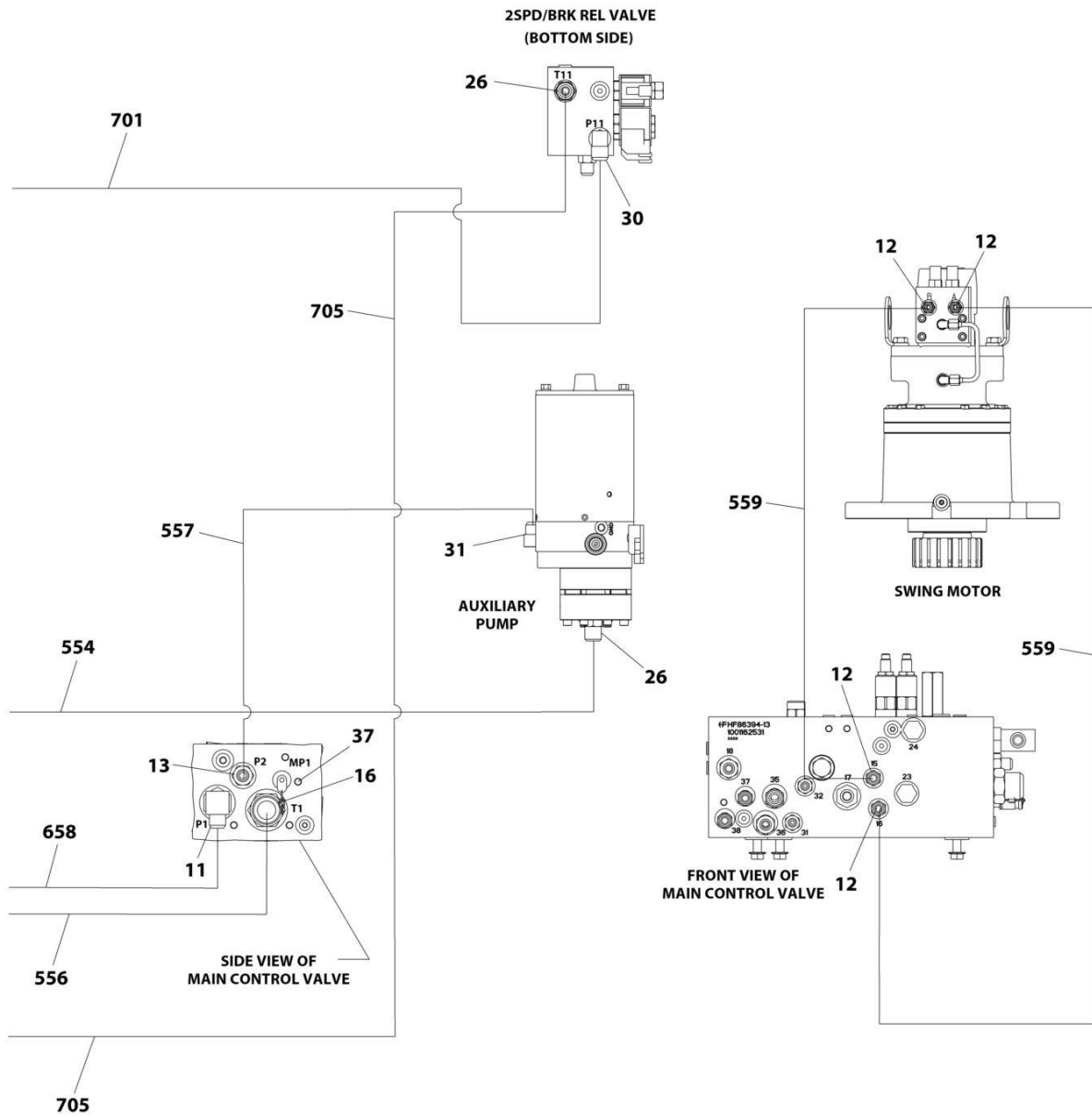
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SECTION 7 - HYDRAULIC



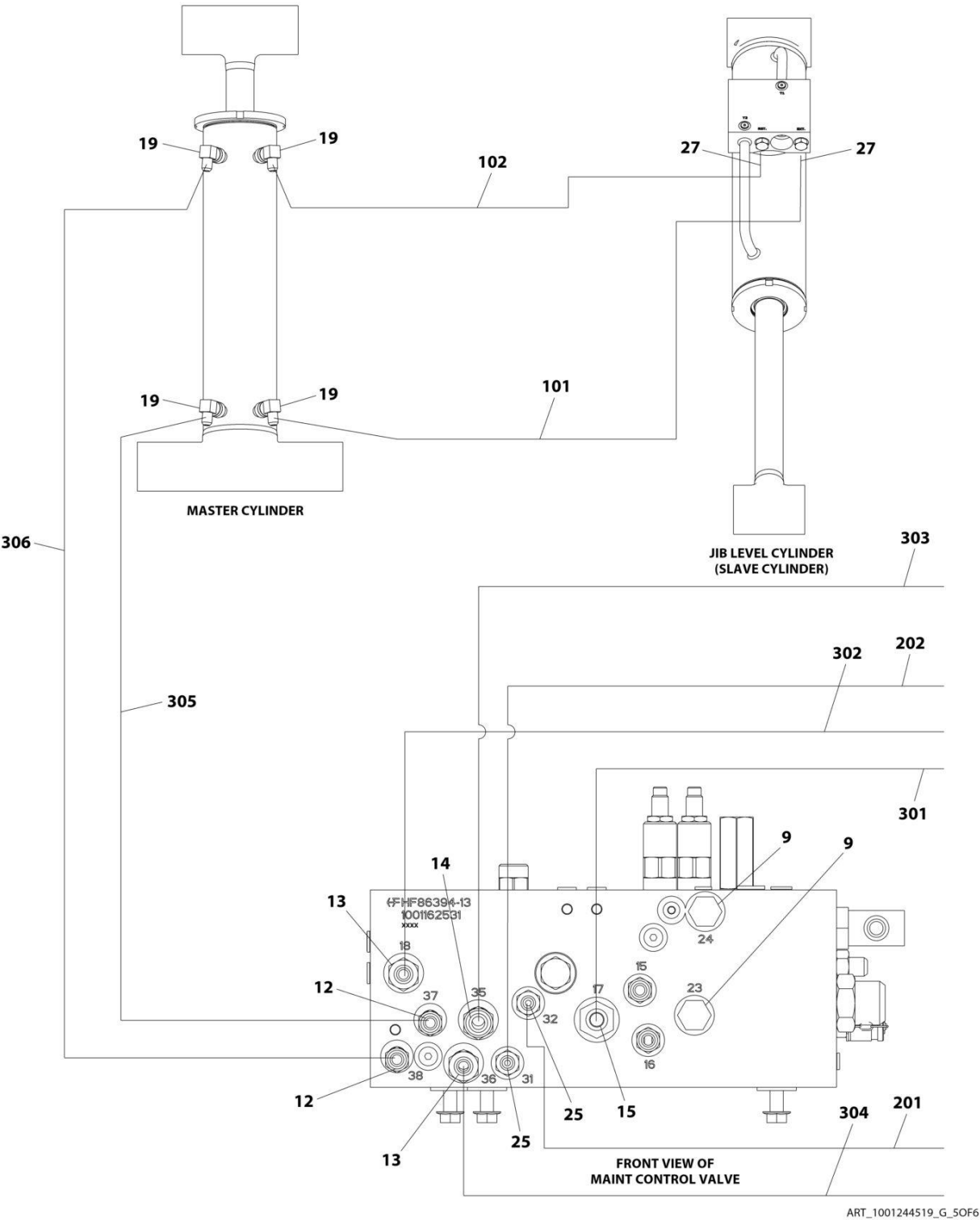
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SECTION 7 - HYDRAULIC

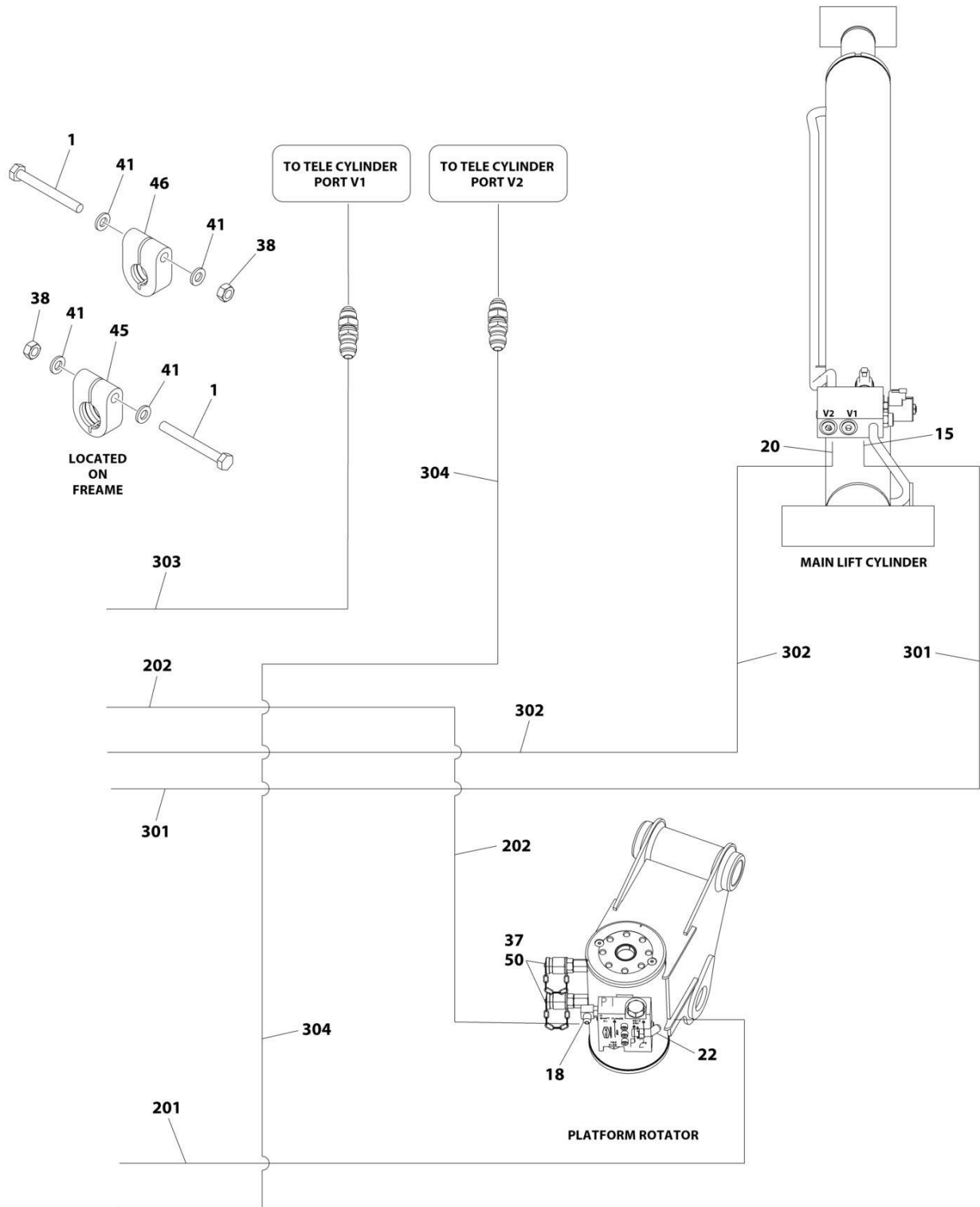


ART_1001244519_G_40F6

SECTION 7 - HYDRAULIC



SECTION 7 - HYDRAULIC



ART_1001244519_G_60F6

SECTION 7 - HYDRAULIC

FIGURE 7-1. HYDRAULIC DIAGRAM (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244519	Ref	HYDRAULIC DIAGRAM	G
1	0760619	2	Bolt M6 x 55	
2	2110806	1	Fitting, Straight ORFS/ORB	
3	2131212	2	Fitting, 90 ORFS/ORB	
4	2151212	4	Fitting, 45 ORFS/ORB	
5	2170212	2	Fitting, 90 ORFS/ORB	
6	2170406	2	Fitting, Tee ORFS/ORB/ORFS	
7	2170808	1	Fitting, Tee ORFS/FSORFS/FORFS	
8	2220237	1	Plug	
9	2220238	2	Plug	
10	2220365	1	Fitting, 45 JIC/ORB	
11	2220366	1	Fitting, 90 JIC/ORB	
12	2220371	8	Fitting, Straight JIC/ORB	
13	2220372	4	Fitting, Straight JIC/ORB	
14	2220373	2	Fitting, Straight JIC/ORB	
15	2220374	3	Fitting, Straight JIC/ORB	
16	2220377	1	Fitting, Straight JIC/ORB	
17	2220451	1	Fitting, Straight JIC/ORB	
18	2220466	1	Fitting, 90 JIC/ORB	
19	2220473	4	Fitting, 90 JIC/ORB	
20	2220497	1	Fitting, Straight JIC/ORB	
21	2220500	2	Fitting, 45 JIC/ORB	
22	2220502	1	Fitting, 45 JIC/ORB	
23	2220518	1	Fitting, Cap FJIC	
24	2220578	1	Fitting, 90 JIC/ORB	
25	2220582	2	Fitting, Straight JIC/ORB	
26	2220600	2	Fitting, Straight JIC/ORB	
27	2220603	2	Fitting, Straight JIC/ORB	
28	2220695	1	Fitting, Tee JIC/ORB/JIC	
29	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
30	2220726	1	Fitting, 90 JIC/ORB	
31	2220775	1	Fitting, 90 JIC/ORB	
32	2220906	1	Fitting, 90 JIC/ORB	
33	2220946	2	Fitting, Straight JIC/ORB	
34	2220947	2	Fitting, Straight JIC/ORB	
35	2220948	1	Fitting, Tee JIC/FSJIC/JIC	
37	2221086	3	Fitting, Diagnostic Test Port	
38	3290601	2	Nut M6	
39	4100026	24 ft /8m	Sleeve, Hose Protection	
40	4240018	AR	Tie-Strap (Not Shown)	
41	4811700	4	Washer M6	
42	1001275635	2	Clamp	
43	1001098928	1	Clamp	
45	1001191275	1	Clamp	
46	1001191276	1	Clamp	
47	1001191362	4	Fitting, Straight ORFS/ORB	
48	1001191364	2	Fitting, Straight ORFS/ORB	
49	1001191365	4	Fitting, Straight ORFS/ORB	
50	2060404	2	Fitting, Straight FORB/ORB	
100	1001202940	1	Upper Boom Hose Kit (Includes Items 101-102) (Not Shown)	

SECTION 7 - HYDRAULIC

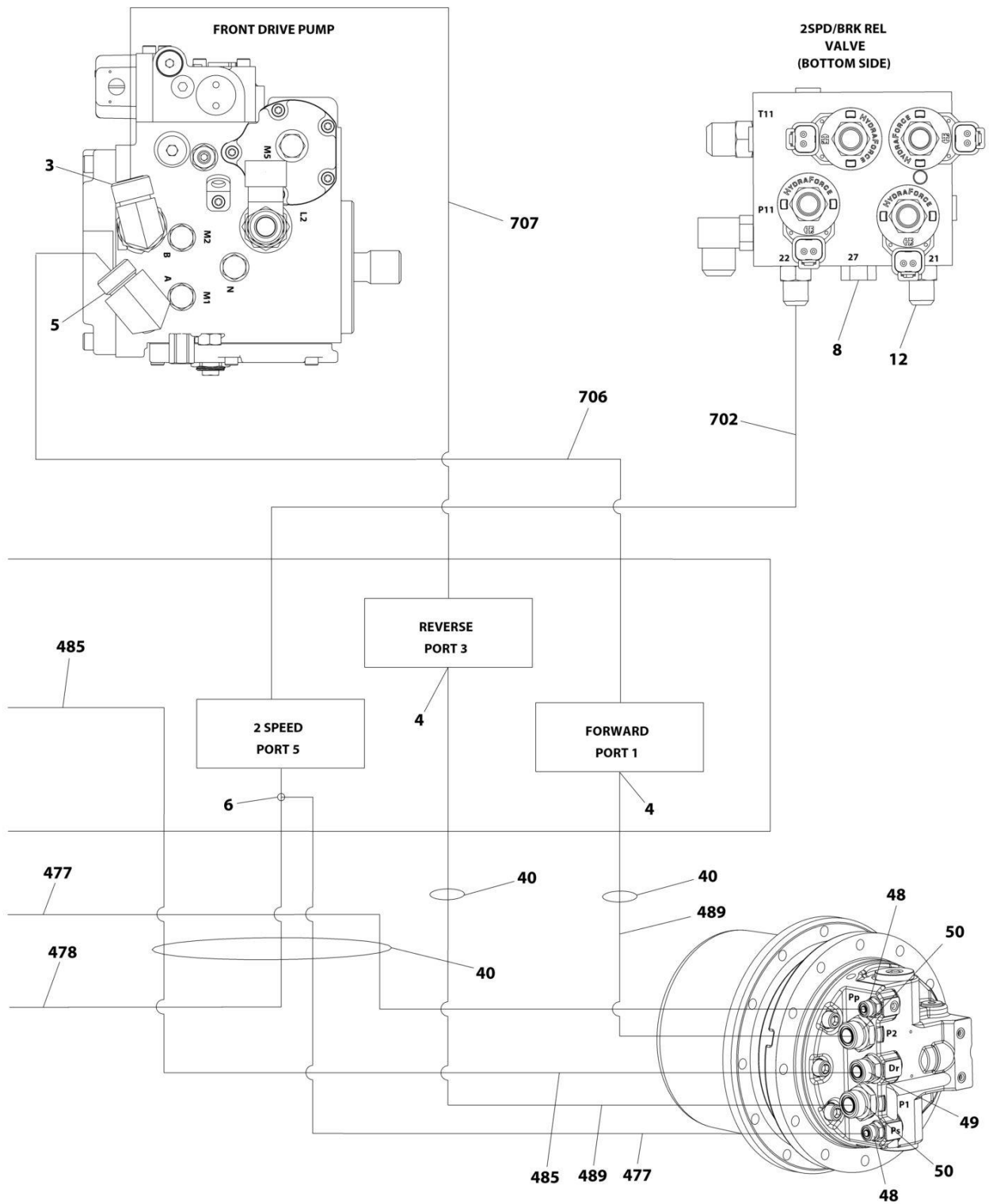
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001173909	1	Hose	
102	1001173937	1	Hose	
200	1001202941	1	S Boom Hose Kit (Includes Items 201-202) (Not Shown)	
201	1001172694	1	Hose	
202	1001172696	1	Hose	
300	1001202946	1	Turntable Hose Kit (Includes Items 301-306) (Not Shown)	
301	1001173901	1	Hose	
302	1001173902	1	Hose	
303	1001173903	1	Hose	
304	1001173904	1	Hose	
305	1001173907	1	Hose	
306	1001173908	1	Hose	
400	1001210251	1	Chassis Hose Kit (Includes Items 477-489) (Not Shown)	
477	1001193007	1	Hose	
478	1001193008	1	Hose	
484	1001193655	1	Hose	
485	1001193656	1	Hose	
489	1001244522	1	Hose	
500	1001210252	1	SC Tank Hose Kit (Includes Item 554-559) (Not Shown)	
554	1001172716	1	Hose	
556	1001172720	1	Hose	
557	1001172721	1	Hose	
559	1001173900	1	Hose	
600	1001210254	1	SC Engine Hose Kit (Includes Items 653-691) (Not Shown)	
653	1001172715	1	Hose	
655	1001172719	1	Hose	
658	1001173899	1	Hose	
669	1001193661	1	Hose	
680	1001193010	1	Hose	
681	1001193011	1	Hose	
690	1001172713	1	Hose	
691	1001110092	1	Hose	
700	1001244521	1	SC Swivel Hose Kit (Includes Items 701-708) (Not Shown)	
701	1001181075	1	Hose	
702	1001193003	1	Hose	
703	1001193006	1	Hose	
704	1001193009	1	Hose	
705	1001193654	1	Hose	
706	1001193657	1	Hose	
707	1001193658	1	Hose	
708	1001193659	1	Hose	

432

400SC_460SJC

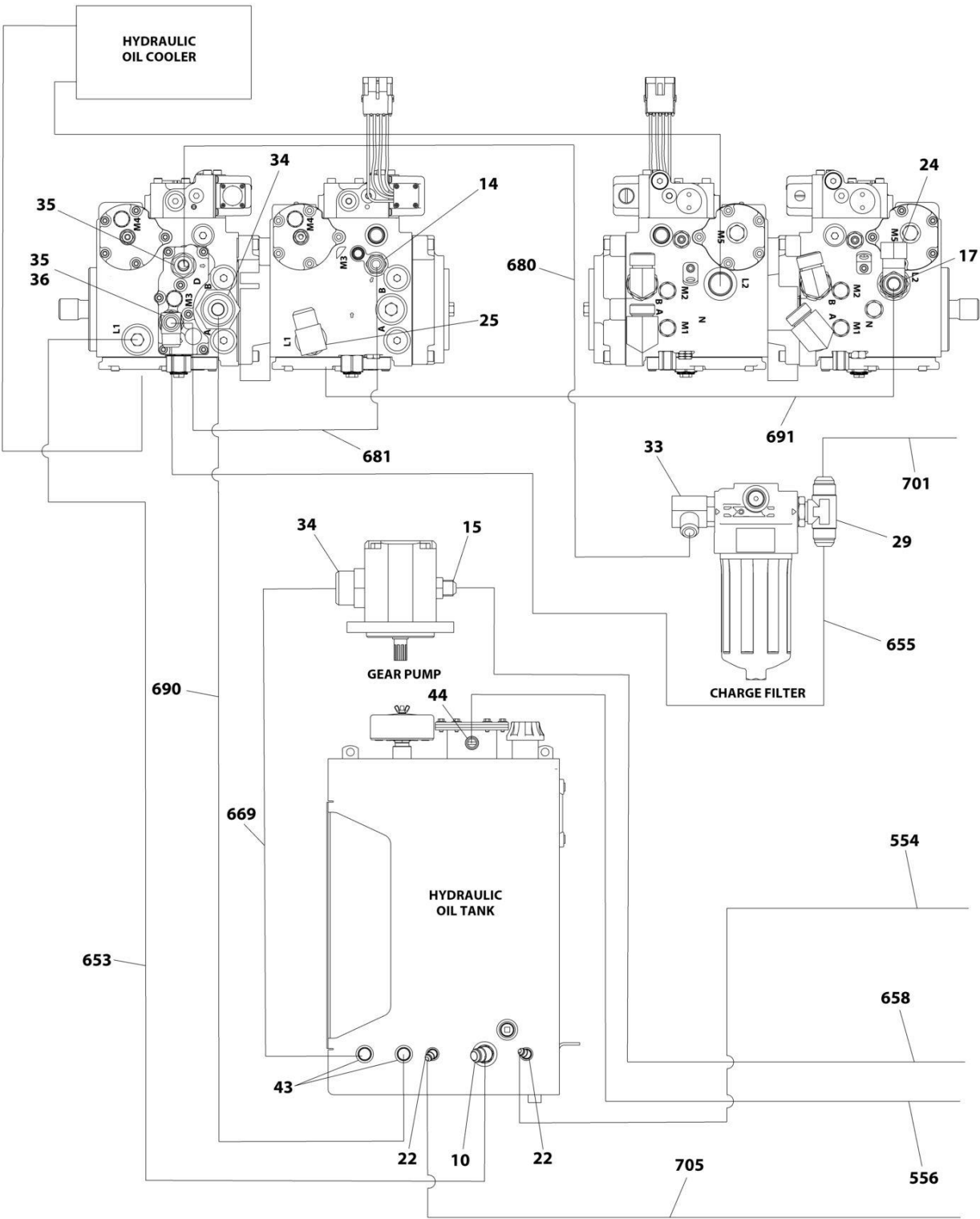


SECTION 7 - HYDRAULIC



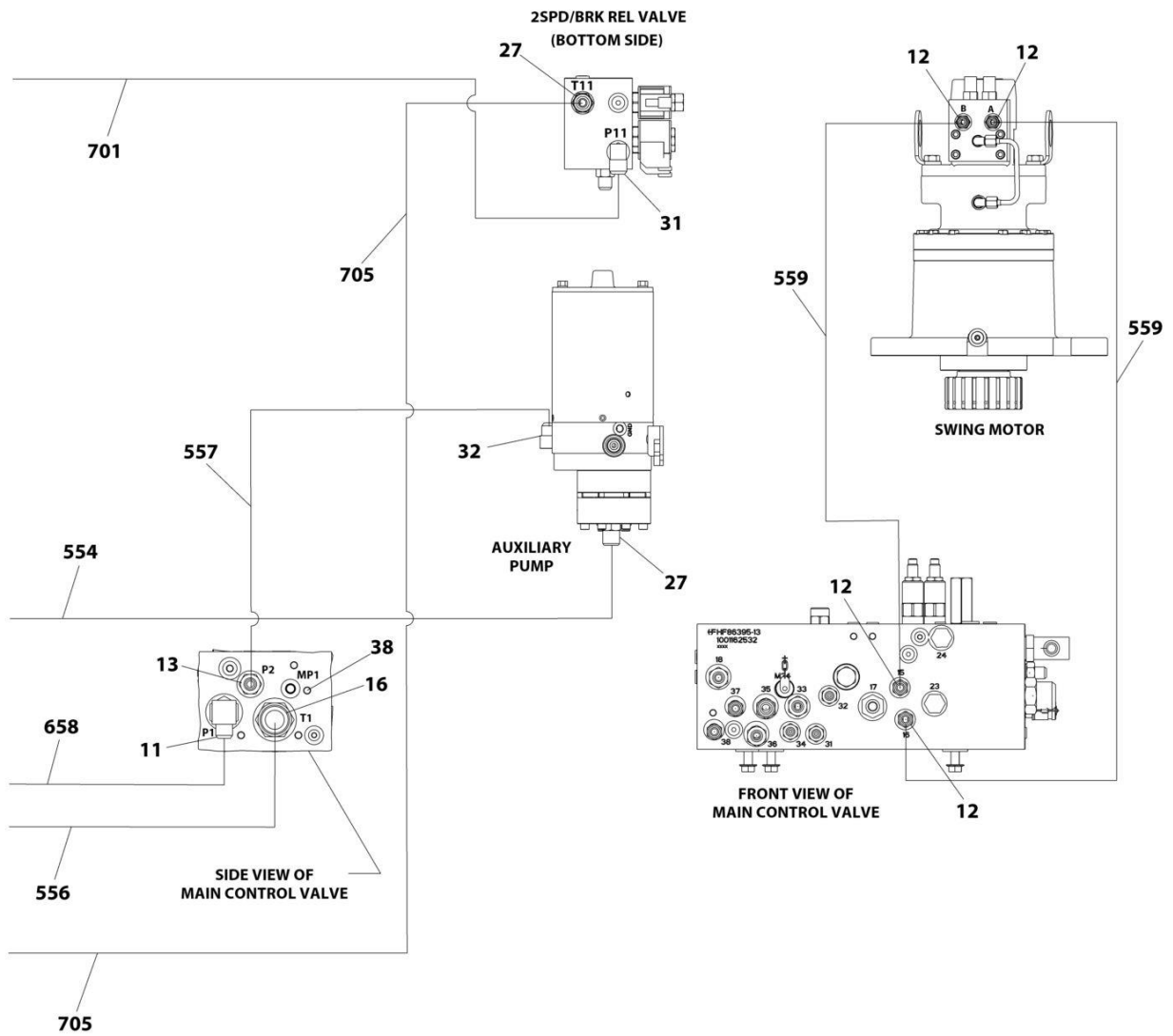
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SECTION 7 - HYDRAULIC



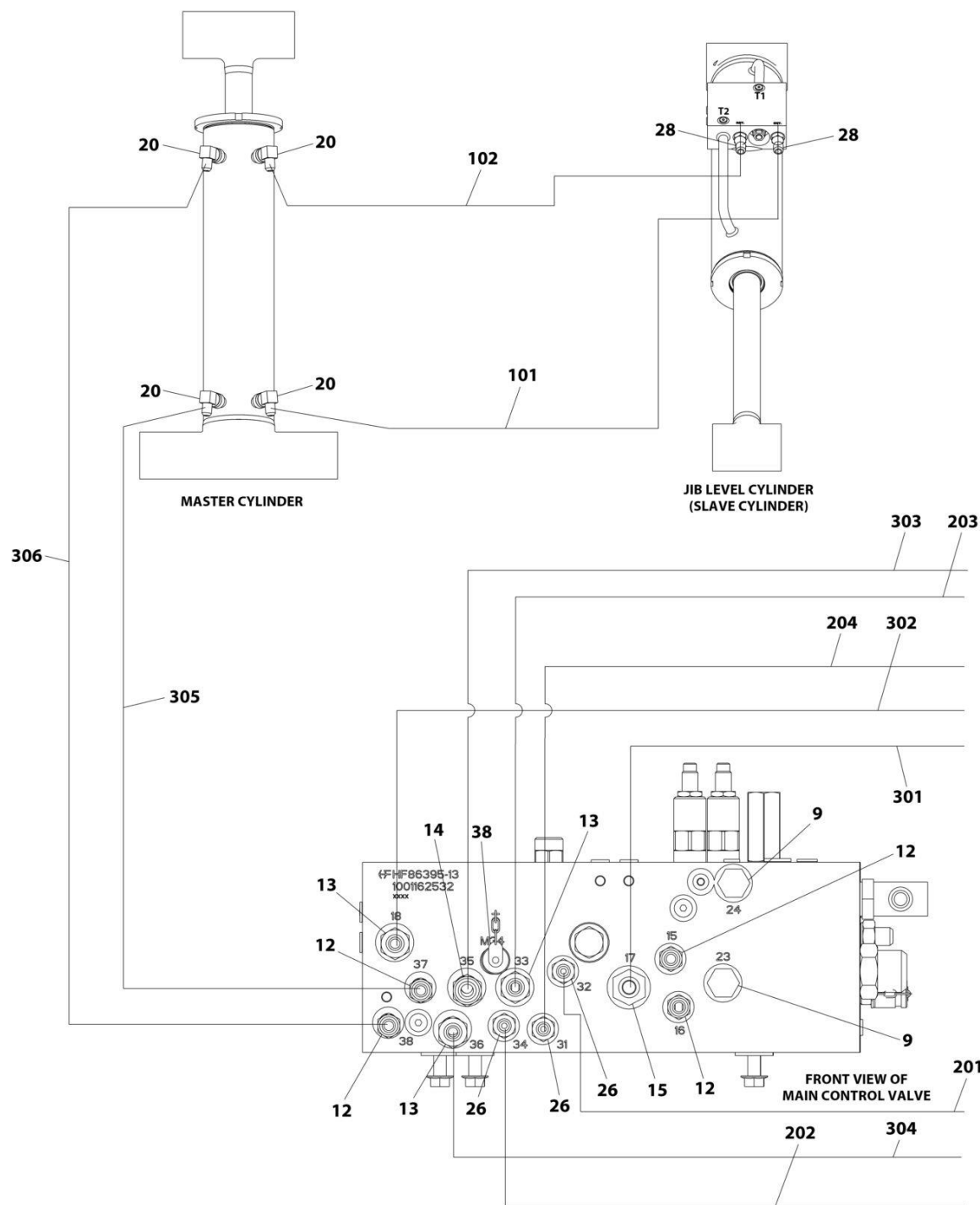
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SECTION 7 - HYDRAULIC



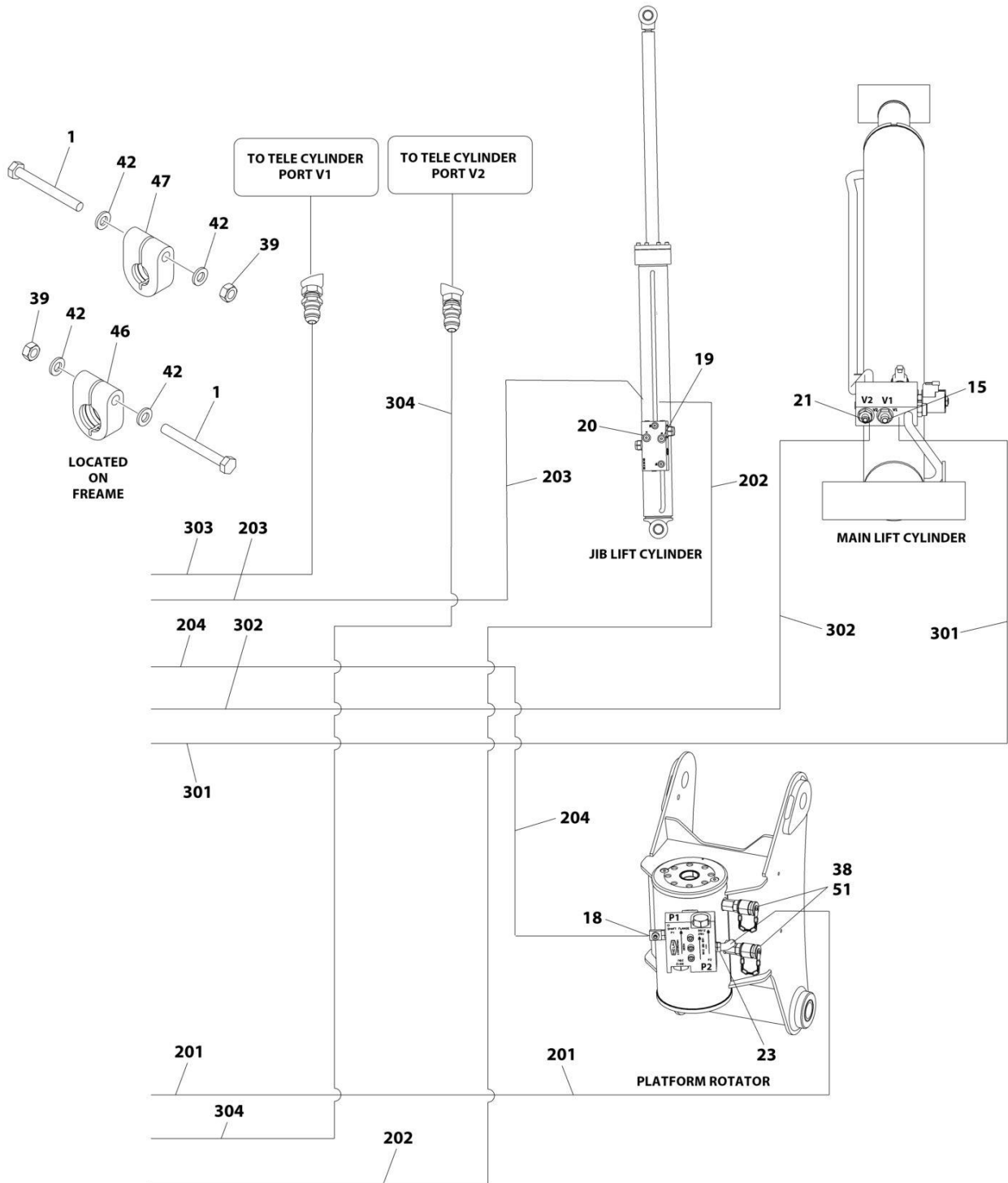
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SECTION 7 - HYDRAULIC



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SECTION 7 - HYDRAULIC



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SECTION 7 - HYDRAULIC

FIGURE 7-2. HYDRAULIC DIAGRAM (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244520	Ref	HYDRAULIC DIAGRAM	H
1	0760619	2	Bolt M6 x 55	
2	2110806	1	Fitting, Straight ORFS/ORB	
3	2131212	2	Fitting, 90 ORFS/ORB	
4	2151212	4	Fitting, 45 ORFS/ORB	
5	2170212	2	Fitting, 90 ORFS/ORB	
6	2170406	2	Fitting, Tee ORFS/ORB/ORFS	
7	2170808	1	Fitting, Tee ORFS/FSORFS/FORFS	
8	2220237	1	Plug	
9	2220238	2	Plug	
10	2220365	1	Fitting, 45 JIC/ORB	
11	2220366	1	Fitting, 90 JIC/ORB	
12	2220371	8	Fitting, Straight JIC/ORB	
13	2220372	4	Fitting, Straight JIC/ORB	
14	2220373	2	Fitting, Straight JIC/ORB	
15	2220374	3	Fitting, Straight JIC/ORB	
16	2220377	1	Fitting, Straight JIC/ORB	
17	2220451	1	Fitting, Straight JIC/ORB	
18	2220466	1	Fitting, 90 JIC/ORB	
19	2220472	1	Fitting, 90 JIC/ORB	
20	2220473	5	Fitting, 90 JIC/ORB	
21	2220497	1	Fitting, Straight JIC/ORB	
22	2220500	2	Fitting, 45 JIC/ORB	
23	2220502	1	Fitting, 45 JIC/ORB	
24	2220518	1	Fitting, Cap FJIC	
25	2220578	1	Fitting, 90 JIC/ORB	
26	2220582	3	Fitting, Straight JIC/ORB	
27	2220600	2	Fitting, Straight JIC/ORB	
28	2220603	2	Fitting, Straight JIC/ORB	
29	2220695	1	Fitting, Tee JIC/ORB/JIC	
30	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
31	2220726	1	Fitting, 90 JIC/ORB	
32	2220775	1	Fitting, 90 JIC/ORB	
33	2220906	1	Fitting, 90 JIC/ORB	
34	2220946	2	Fitting, Straight JIC/ORB	
35	2220947	2	Fitting, Straight JIC/ORB	
36	2220948	1	Fitting, Tee JIC/FSJIC/JIC	
38	2221086	4	Fitting, Diagnostic Test Port	
39	3290601	2	Nut M6	
40	4100026	24 ft /8m	Sleeve, Hose Protection	
41	4240018	AR	Tie-Strap (Not Shown)	
42	4811700	4	Washer M6	
43	1001275635	2	Clamp	
44	1001098928	1	Clamp	
46	1001191275	1	Clamp	
47	1001191276	1	Clamp	
48	1001191362	4	Fitting, Straight ORFS/ORB	
49	1001191364	2	Fitting, Straight ORFS/ORB	
50	1001191365	4	Fitting, Straight ORFS/ORB	
51	2060404	2	Fitting, Straight FORB/ORB	

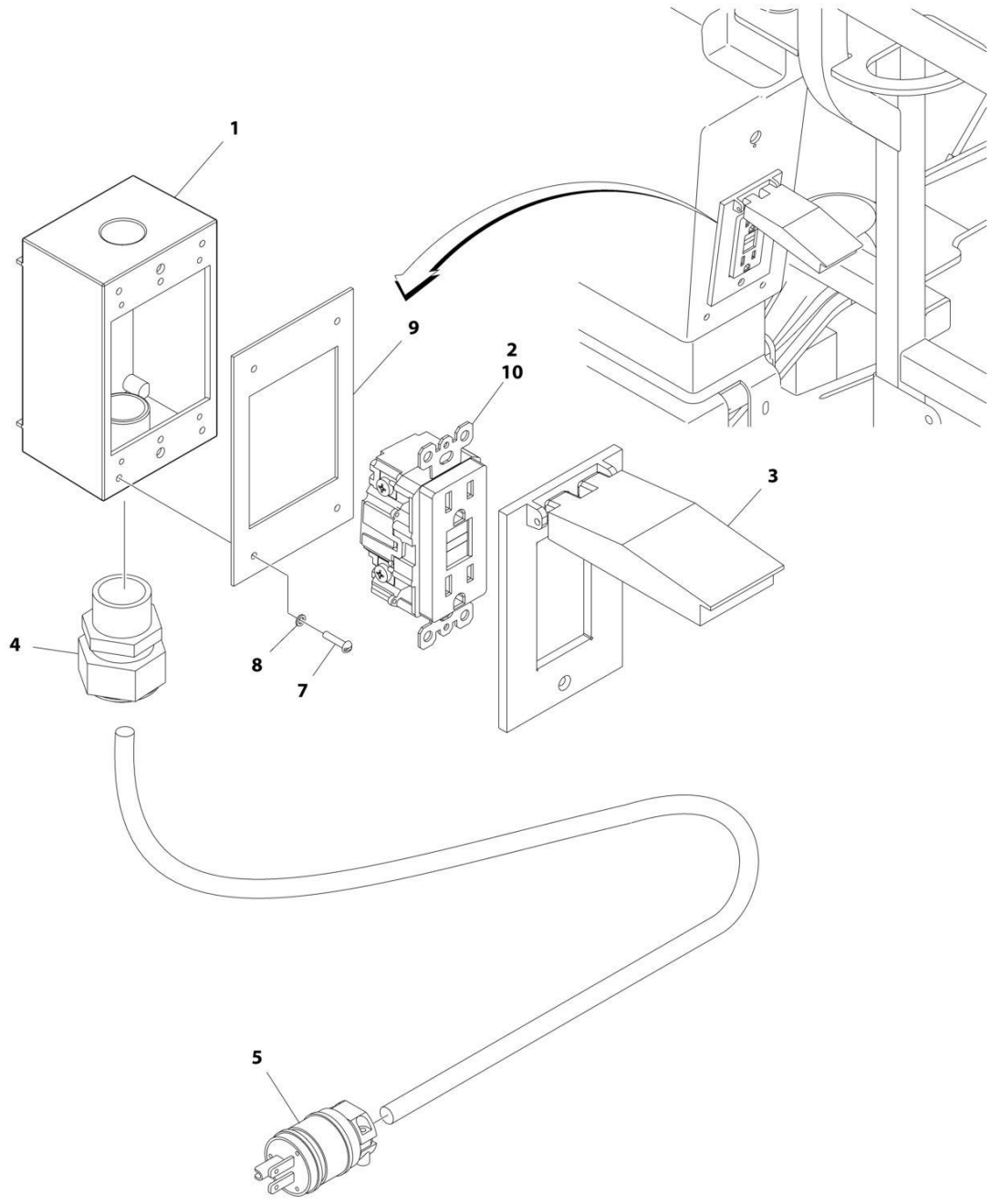
SECTION 7 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
100	1001202940	1	Upper Boom Hose Kit (Includes Items 101-102) (Not Shown)	
101	1001173909	1	Hose	
102	1001173937	1	Hose	
200	1001202942	1	S Boom Hose Kit (Includes Items 201-204) (Not Shown)	
201	1001173905	1	Hose	
202	1001173906	1	Hose	
203	1001181076	1	Hose	
204	1001181077	1	Hose	
300	1001202946	1	Turntable Hose Kit (Includes Items 301-306) (Not Shown)	
301	1001173901	1	Hose	
302	1001173902	1	Hose	
303	1001173903	1	Hose	
304	1001173904	1	Hose	
305	1001173907	1	Hose	
306	1001173908	1	Hose	
400	1001210251	1	Chassis Hose Kit (Includes Items 477-489) (Not Shown)	
477	1001193007	1	Hose	
478	1001193008	1	Hose	
484	1001193655	1	Hose	
485	1001193656	1	Hose	
489	1001244522	1	Hose	
500	1001210252	1	SC Tank Hose Kit (Includes Item 554-559) (Not Shown)	
554	1001172716	1	Hose	
556	1001172720	1	Hose	
557	1001172721	1	Hose	
559	1001173900	1	Hose	
600	1001210254	1	SC Engine Hose Kit (Includes Items 653-691) (Not Shown)	
653	1001172715	1	Hose	
655	1001172719	1	Hose	
658	1001173899	1	Hose	
669	1001193661	1	Hose	
680	1001193010	1	Hose	
681	1001193011	1	Hose	
690	1001172713	1	Hose	
691	1001110092	1	Hose	
700	1001244521	1	SC Swivel Hose Kit (Includes Items 701-708) (Not Shown)	
701	1001181075	1	Hose	
702	1001193003	1	Hose	
703	1001193006	1	Hose	
704	1001193009	1	Hose	
705	1001193654	1	Hose	
706	1001193657	1	Hose	
707	1001193658	1	Hose	
708	1001193659	1	Hose	

SECTION 8 - ELECTRICAL

SECTION 8 - ELECTRICAL

FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT, AND CSA SPECS)



ART_0270022

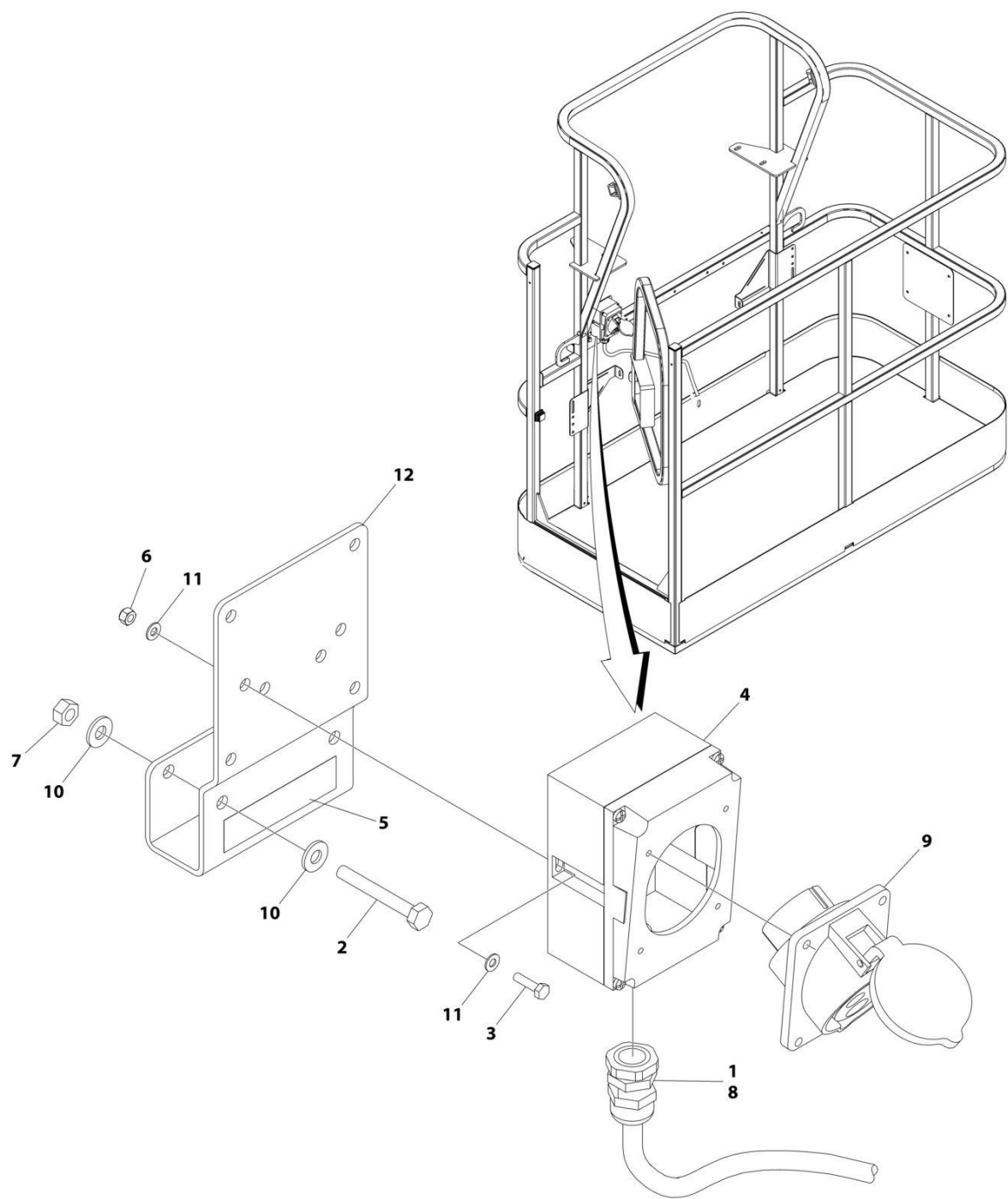
SECTION 8 - ELECTRICAL

FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT, AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270022	Ref	AC BOX AT PLATFORM INSTALLATION - 110V	4-B
1	0860038	1	Box, Switch	
2	4460346	1	Receptacle	
3	1001110873	1	Shield, Cover	
4	4460071	1	Connector, Strain Relief	
5	4460205	1	Plug, Male	
7	3910610	4	Screw #6 x 5/8	
8	4760600	4	Washer #6	
9	3960422	1	Gasket	
10	4460315	1	Terminal, Spade	

SECTION 8 - ELECTRICAL

FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)



ART_1001194203

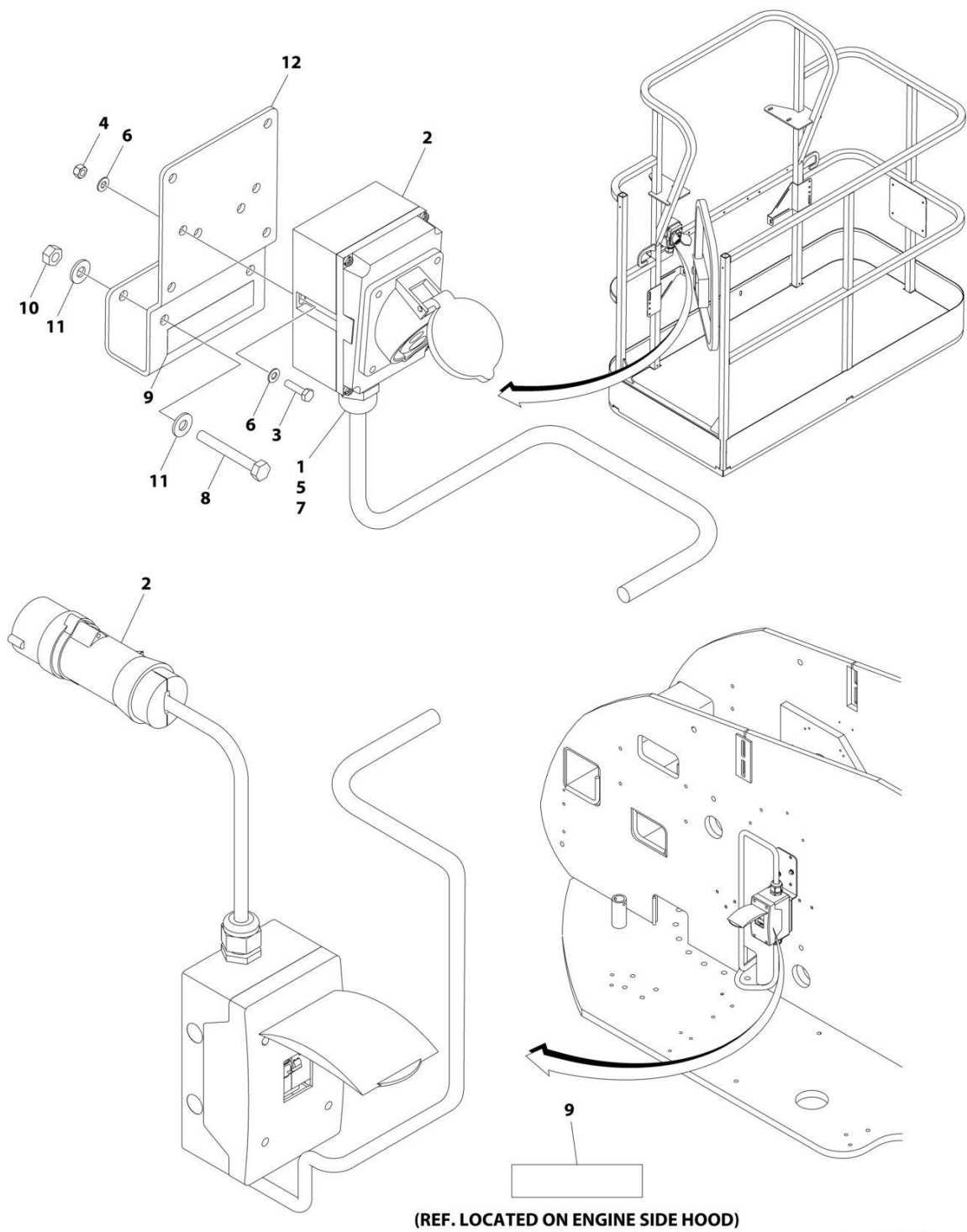
SECTION 8 - ELECTRICAL

FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA 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 8-3. AC BOX AT PLATFORM - 110V IEC YELLOW (CE & UK CA SPEC WITHOUT GENERATOR)



ART_1001091969

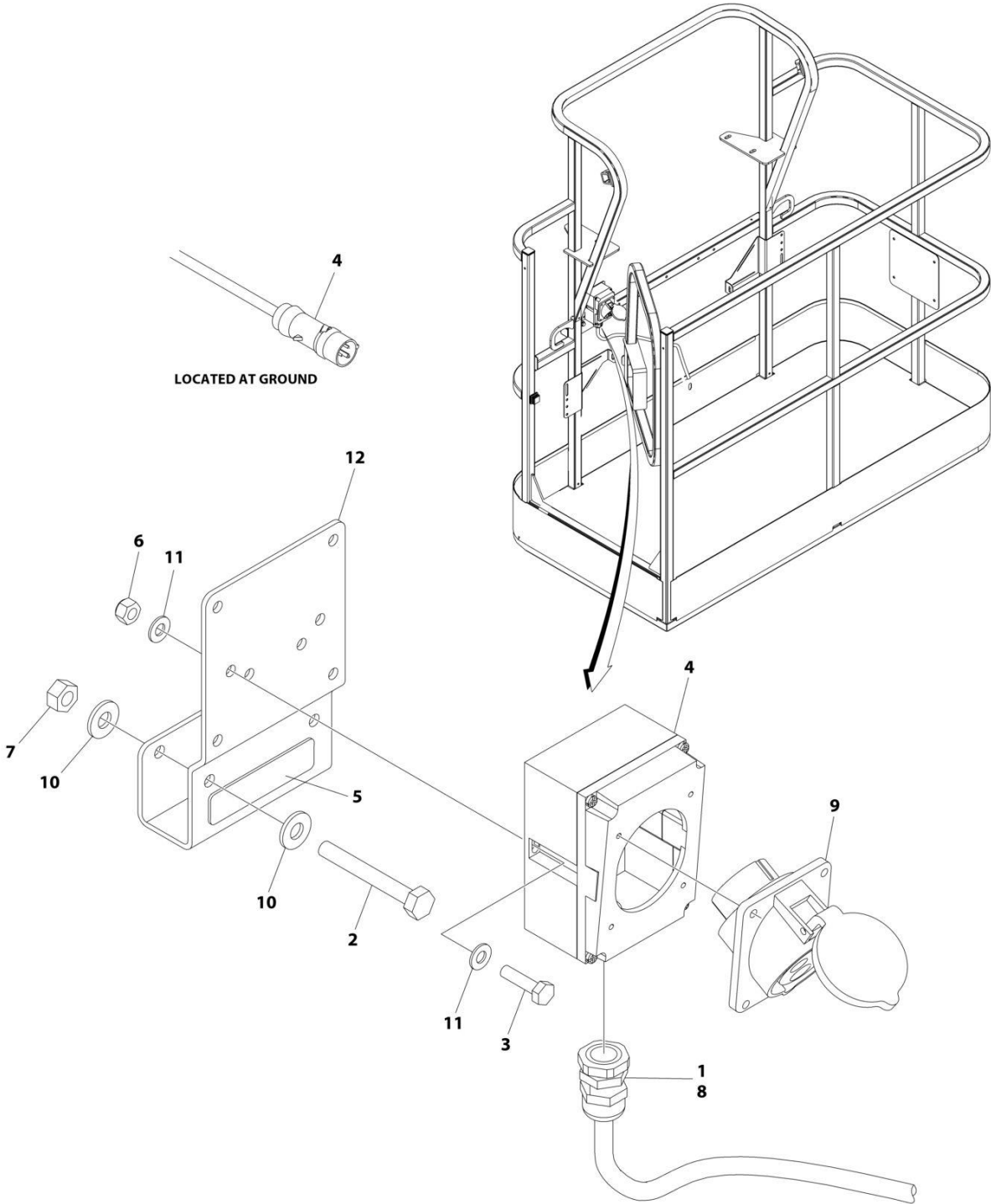
SECTION 8 - ELECTRICAL

FIGURE 8-3. AC BOX AT PLATFORM - 110V IEC YELLOW (CE & UK CA SPEC WITHOUT GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091969	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW	D
1	0100020	AR	Sealant, Pipe	
2	0275216	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
3	0700408	2	Bolt M4 x 16	
4	3290405	2	Nut M4	
5	1001101196	1	Adapter	
6	4811400	4	Washer M4	
7	1001101191	1	Connector, Strain Relief	
8	0641416	2	Bolt 1/4 x 2	
9	1705325	2	Decal - 110V	
10	3311405	2	Nut 1/4	
11	4711400	4	Washer 1/4	
12	1001193018	1	Bracket	

SECTION 8 - ELECTRICAL

FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)



ART_1001194204

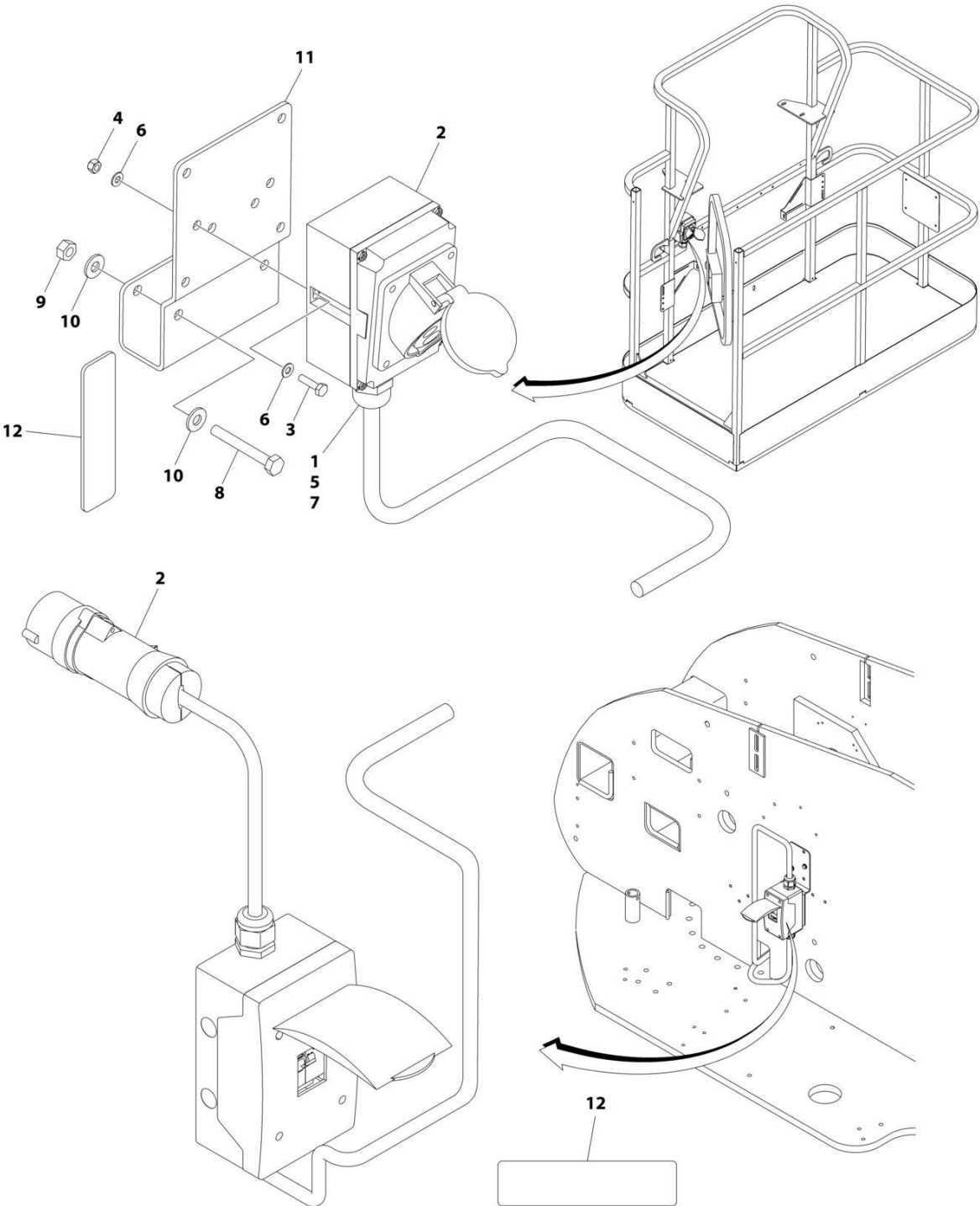
SECTION 8 - ELECTRICAL

FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA 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 8-5. AC BOX AT PLATFORM - 220V IEC BLUE (CE & UK CA SPEC WITHOUT GENERATOR)



(REF. LOCATED ON ENGINE SIDE HOOD)

ART_1001091970

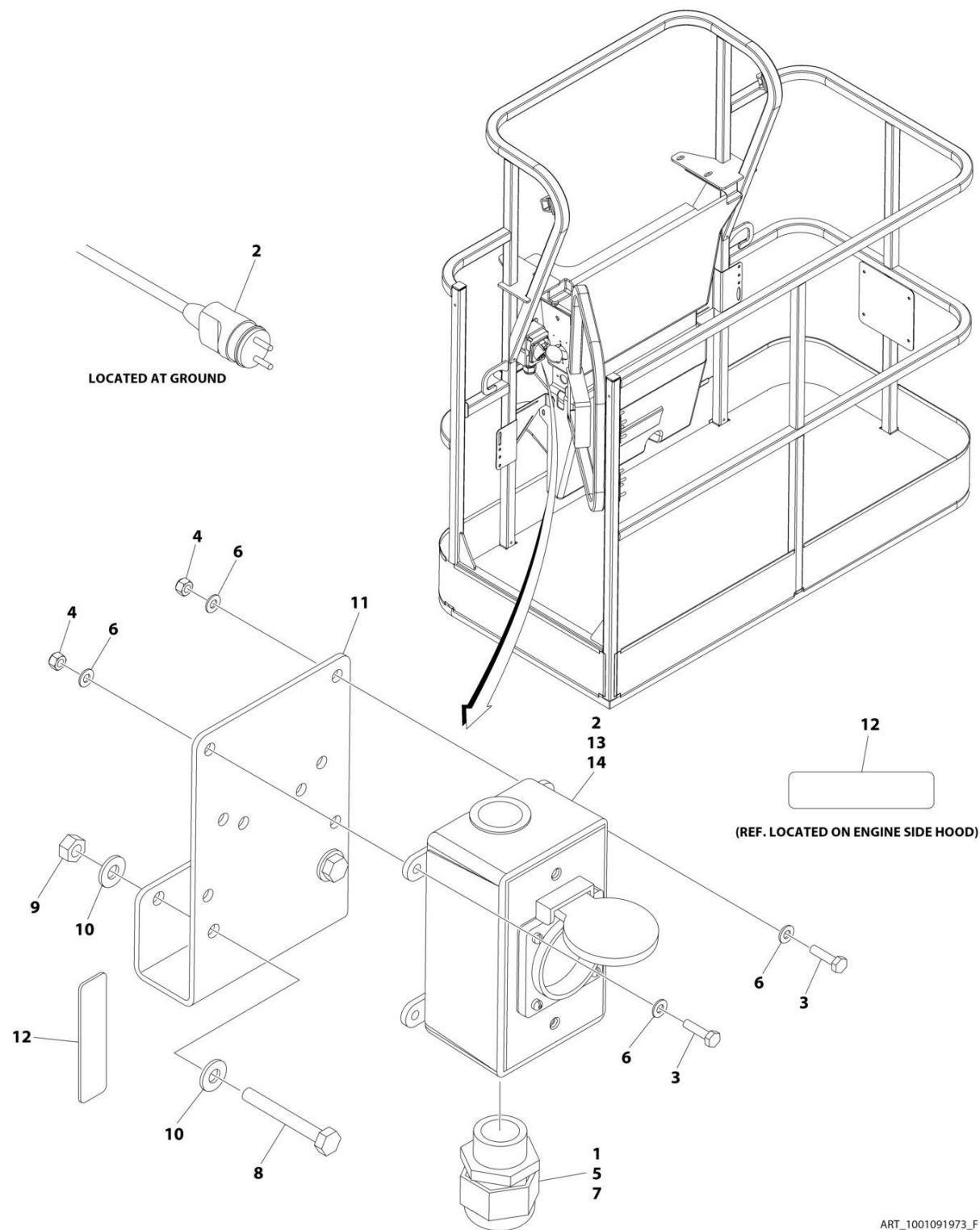
SECTION 8 - ELECTRICAL

FIGURE 8-5. AC BOX AT PLATFORM - 220V IEC BLUE (CE & UK CA SPEC WITHOUT GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091970	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE	D
1	0100020	AR	Sealant, Pipe	
2	0275217	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
3	0700408	2	Bolt M4 x 16	
4	3290405	2	Nut M4	
5	1001101196	1	Adapter	
6	4811400	4	Washer M4	
7	1001101191	1	Connector, Strain Relief	
8	0641416	2	Bolt 1/4 x 2	
9	3311405	2	Nut 1/4	
10	4711400	4	Washer 1/4	
11	1001193018	1	Bracket	
12	3251242	2	Decal - 240V/50Hz	

SECTION 8 - ELECTRICAL

FIGURE 8-6. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPEC WITHOUT GENERATOR)



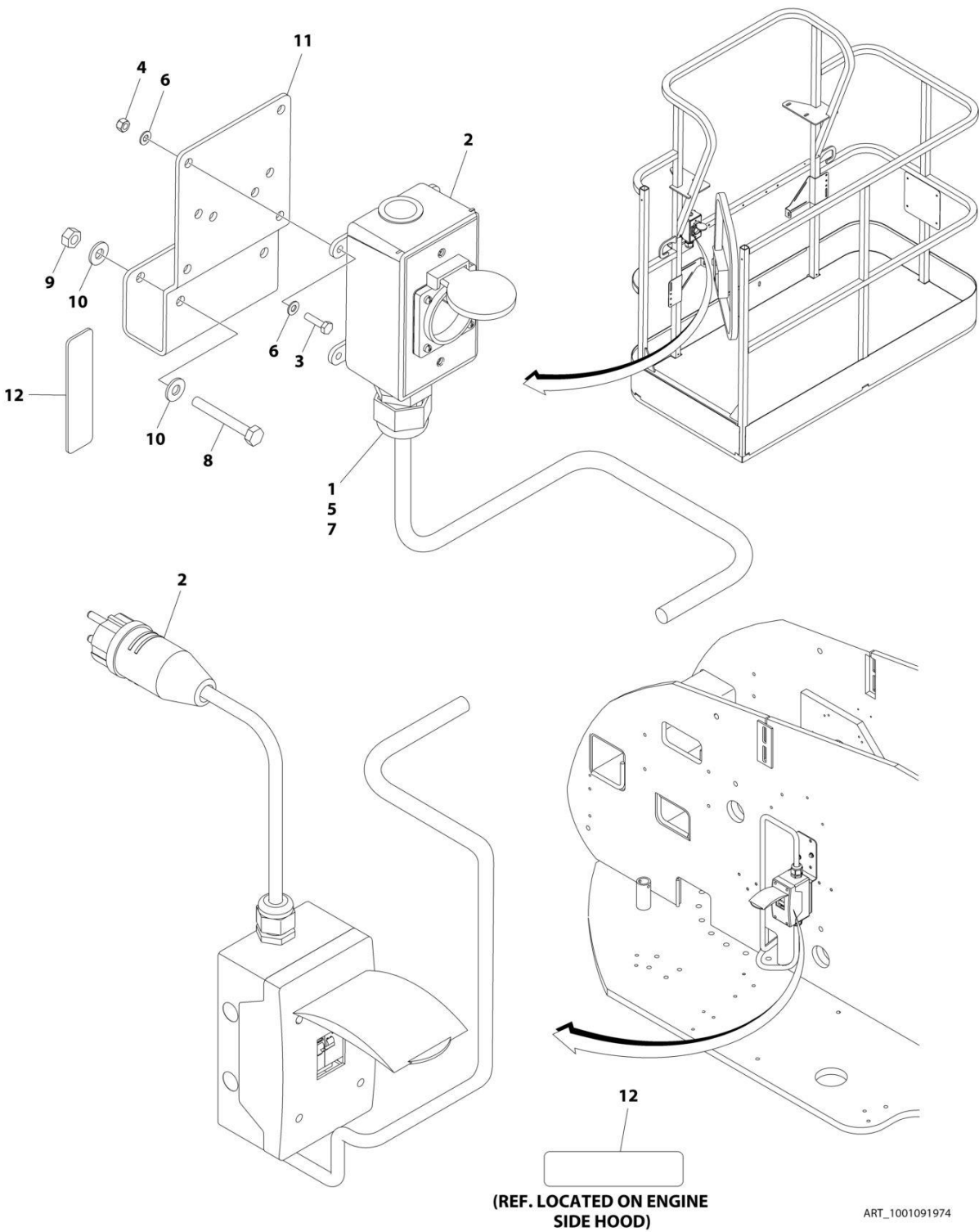
SECTION 8 - ELECTRICAL

FIGURE 8-6. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPEC WITHOUT GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091973	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX POST GROUND	F
1	0100020	AR	Sealant, Pipe	
2	0275452	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
3	0700408	4	Bolt M4 x 16	
4	3290405	4	Nut M4	
5	1001101197	1	Adapter	
6	4811400	8	Washer M4	
7	1001101191	1	Connector, Strain Relief	
8	0641416	2	Bolt 1/4 x 2	
9	3311405	2	Nut 1/4	
10	4711400	4	Washer 1/4	
11	1001193018	1	Bracket	
12	3251242	2	Decal - 240V/50Hz	
13	4460806	2	Terminal, Fork (Not Shown)	
14	1001205958	1	Terminal (Not Shown)	

SECTION 8 - ELECTRICAL

FIGURE 8-7. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPEC WITHOUT GENERATOR)



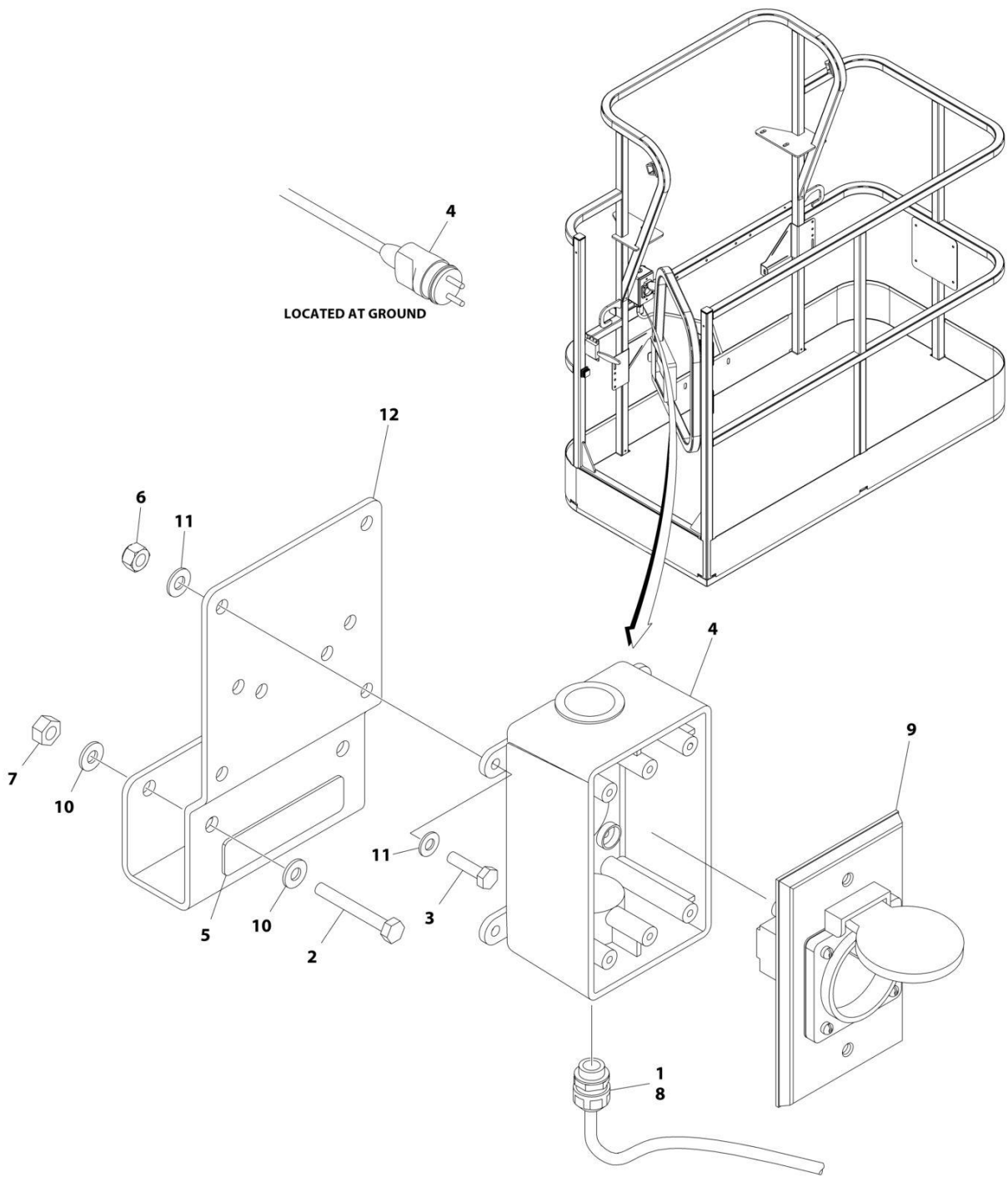
SECTION 8 - ELECTRICAL

FIGURE 8-7. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPEC WITHOUT GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091974	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX SIDE GROUND	F
1	0100020	AR	Sealant, Pipe	
2	0275453	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
3	0700408	4	Bolt M4 x 16	
4	3290405	4	Nut M4	
5	1001101197	1	Adapter	
6	4811400	8	Washer M4	
7	1001101191	1	Connector, Strain Relief	
8	0641416	2	Bolt 1/4 x 2	
9	3311405	2	Nut 1/4	
10	4711400	4	Washer 1/4	
11	1001193018	1	Bracket	
12	3251242	2	Decal - 240V/50Hz	
13	4460806	2	Terminal, Fork (Not Shown)	
14	1001205958	1	Terminal (Not Shown)	

SECTION 8 - ELECTRICAL

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



ART_1001194197

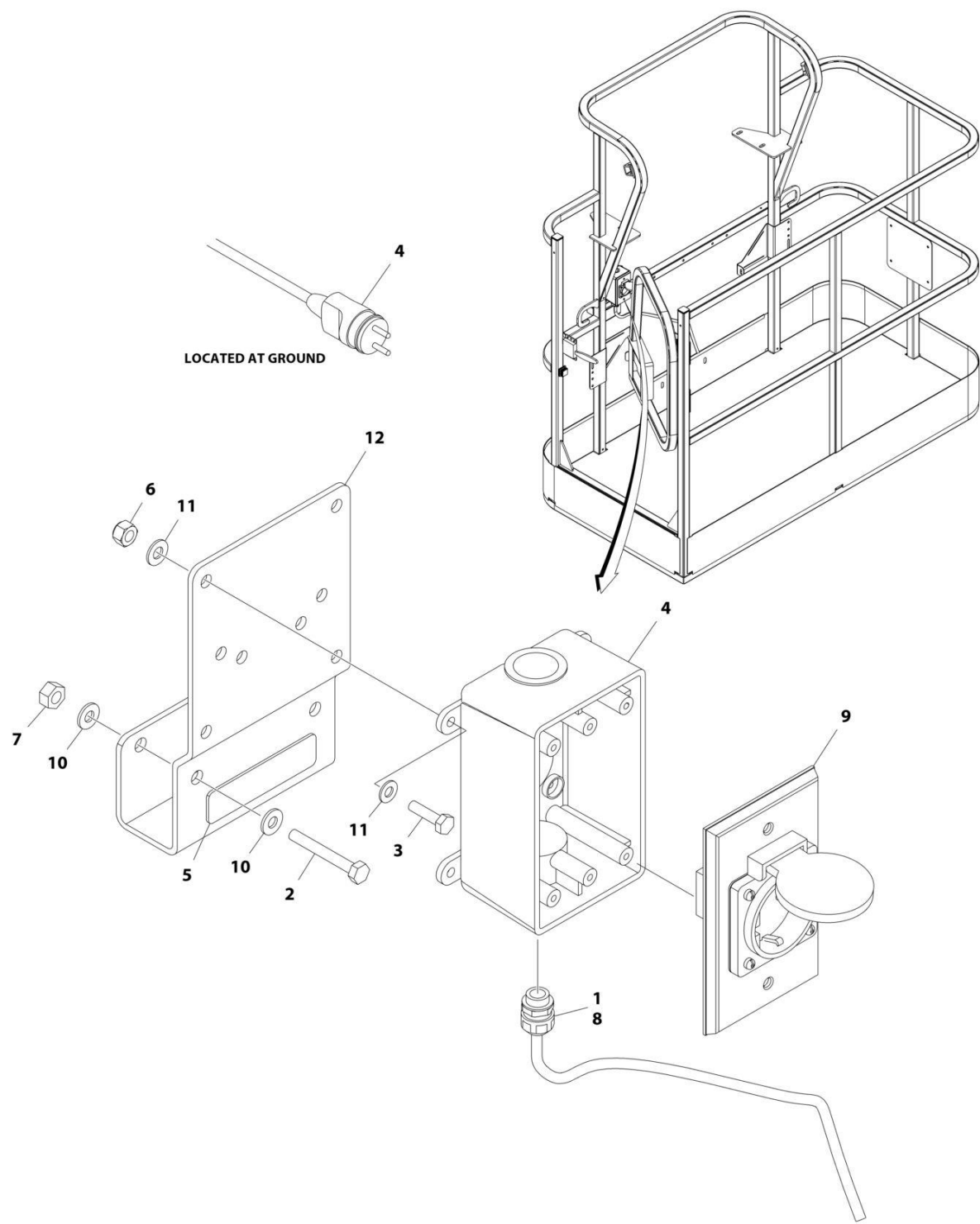
SECTION 8 - ELECTRICAL

FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA 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 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)



ART_1001194198

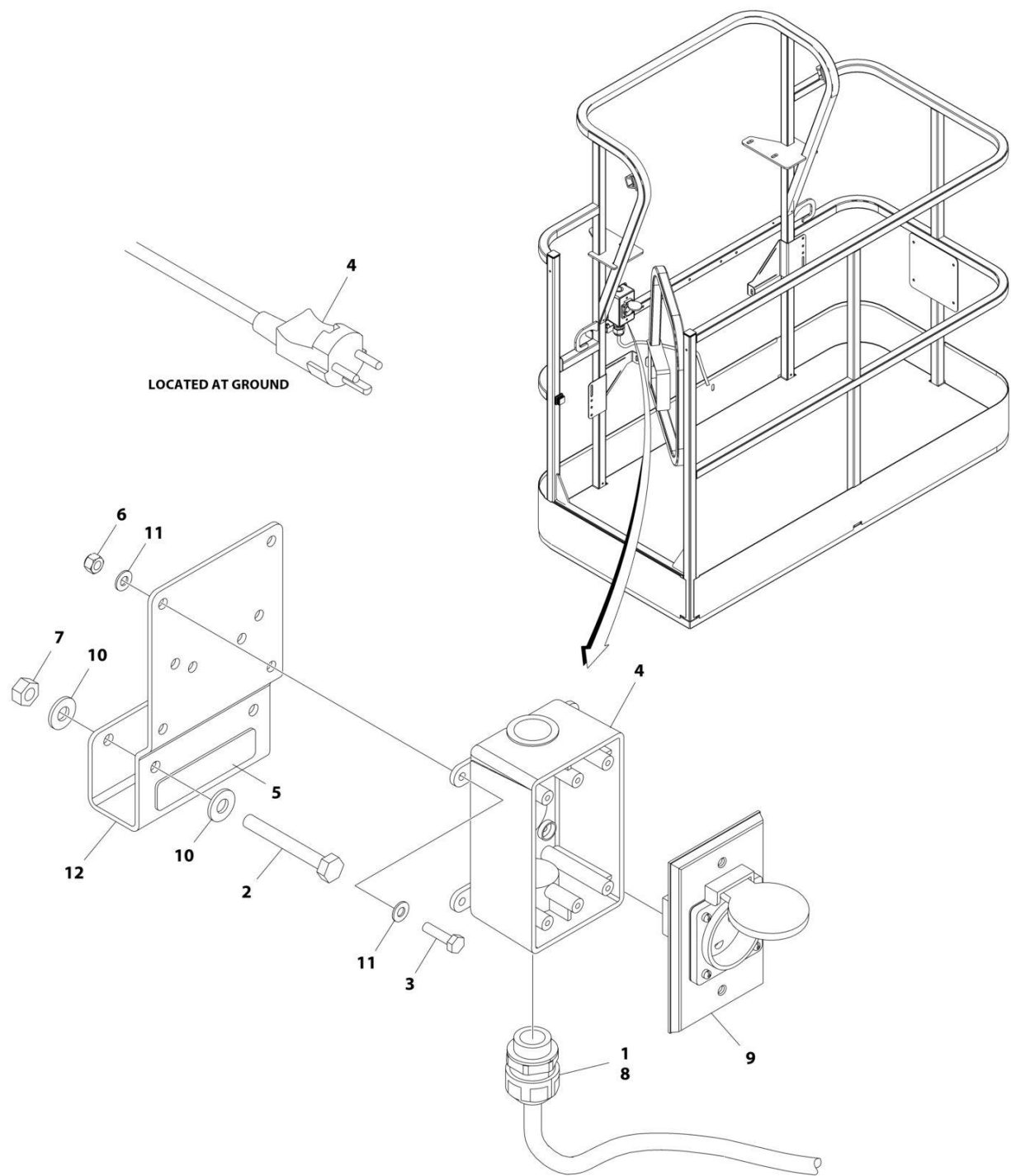
SECTION 8 - ELECTRICAL

FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA 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 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)



ART_1001194200

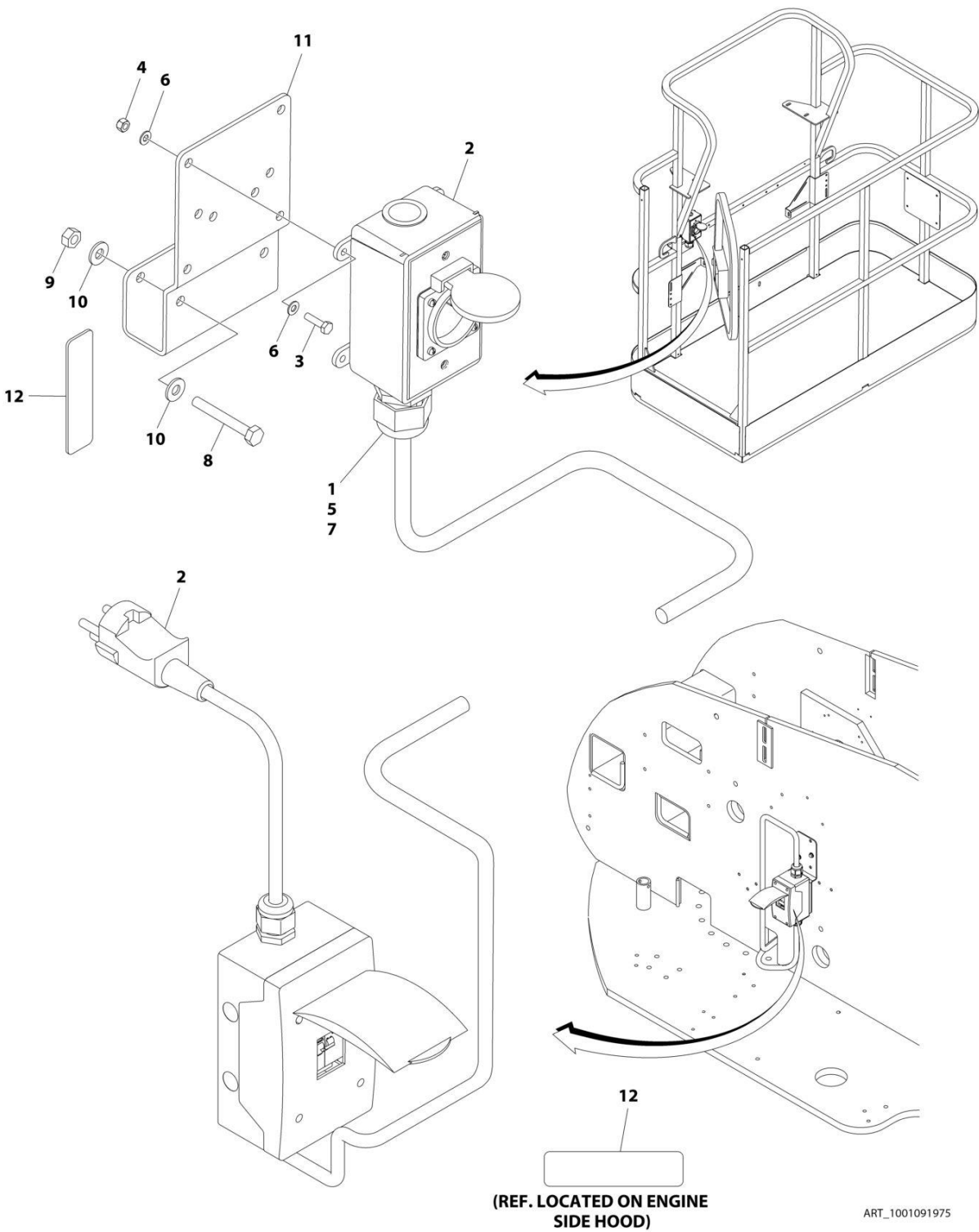
SECTION 8 - ELECTRICAL

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA 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 8-11. AC BOX AT PLATFORM - 220V AFSINT107 (CE & UK CA SPEC WITHOUT GENERATOR)



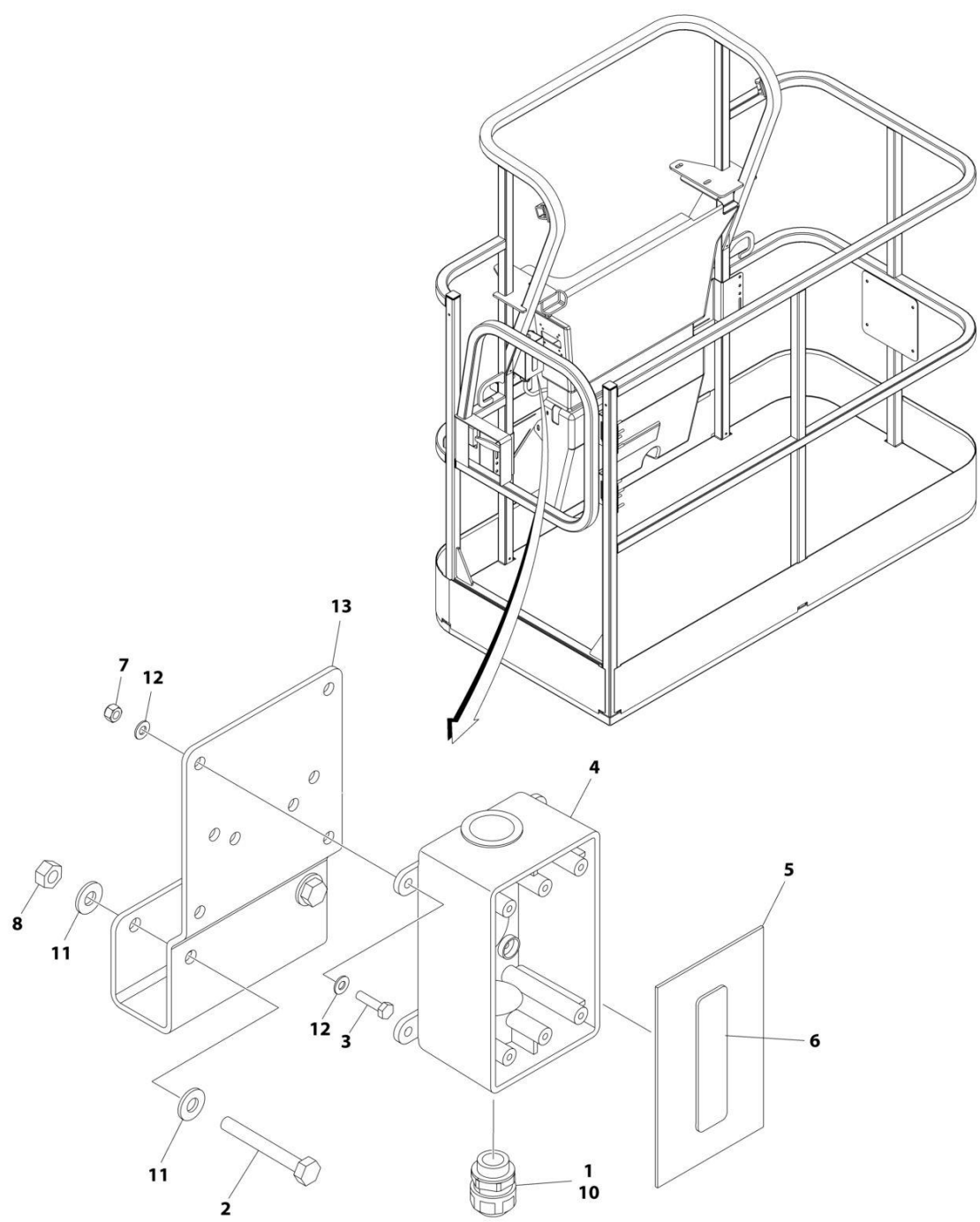
SECTION 8 - ELECTRICAL

FIGURE 8-11. AC BOX AT PLATFORM - 220V AFSINT107 (CE & UK CA SPEC WITHOUT GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091975	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 2X4 BOX KEYED GROUND	F
1	0100020	AR	Sealant, Pipe	
2	0275454	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
3	0700408	4	Bolt M4 x 16	
4	3290405	4	Nut M4	
5	1001101197	1	Adapter	
6	4811400	8	Washer M4	
7	1001101191	1	Connector, Strain Relief	
8	0641416	2	Bolt 1/4 x 2	
9	3311405	2	Nut 1/4	
10	4711400	4	Washer 1/4	
11	1001193018	1	Bracket	
12	3251242	2	Decal - 240V/50Hz	
13	1001205958	3	Terminal (Not Shown)	

SECTION 8 - ELECTRICAL

FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS
(ANSI EXPORT AND CE & UK CA SPECS)



ART_1001194365

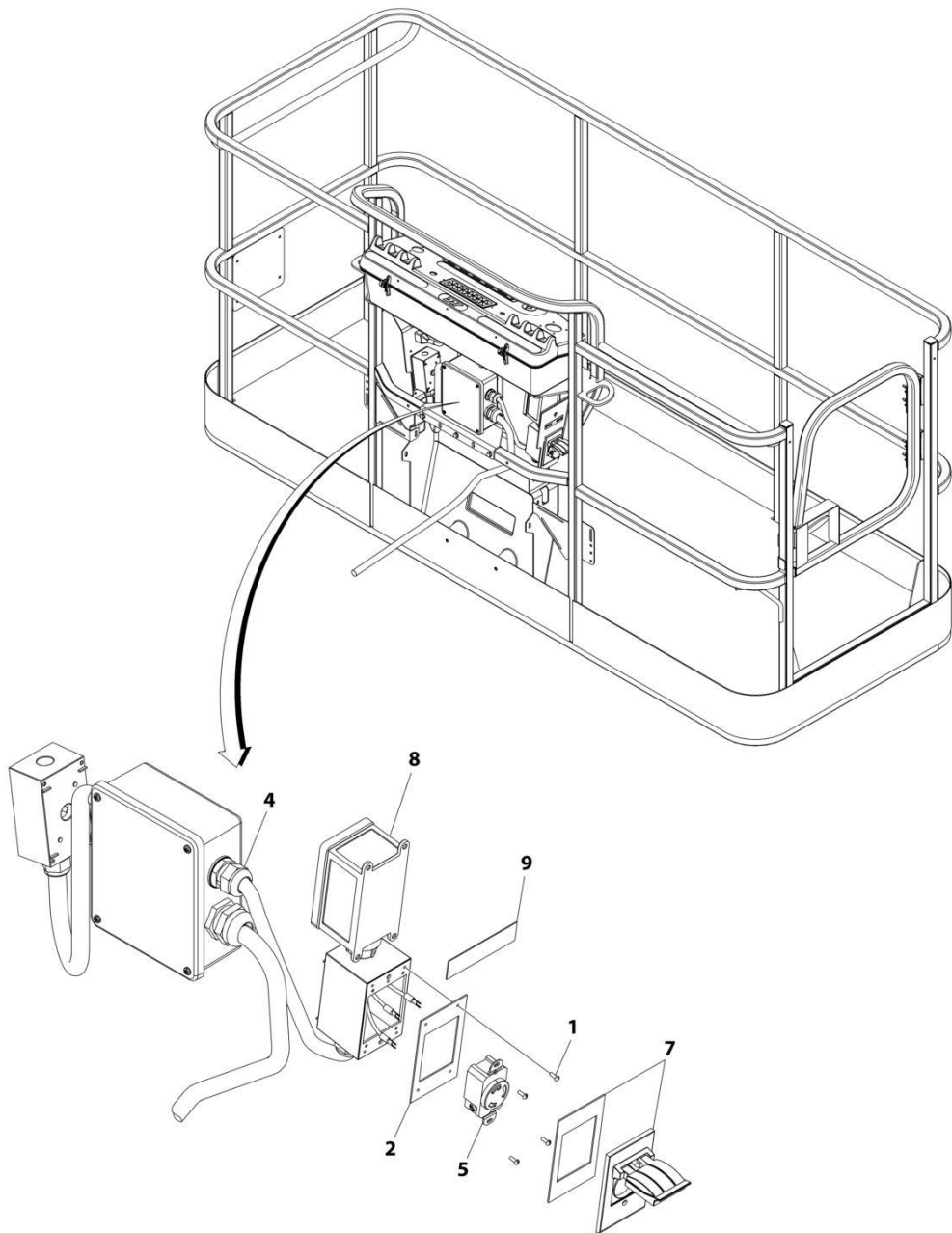
SECTION 8 - ELECTRICAL

**FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS
(ANSI EXPORT AND CE & UK CA SPECS)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194365	Ref	AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (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 8-13. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS)



ART_1001171131

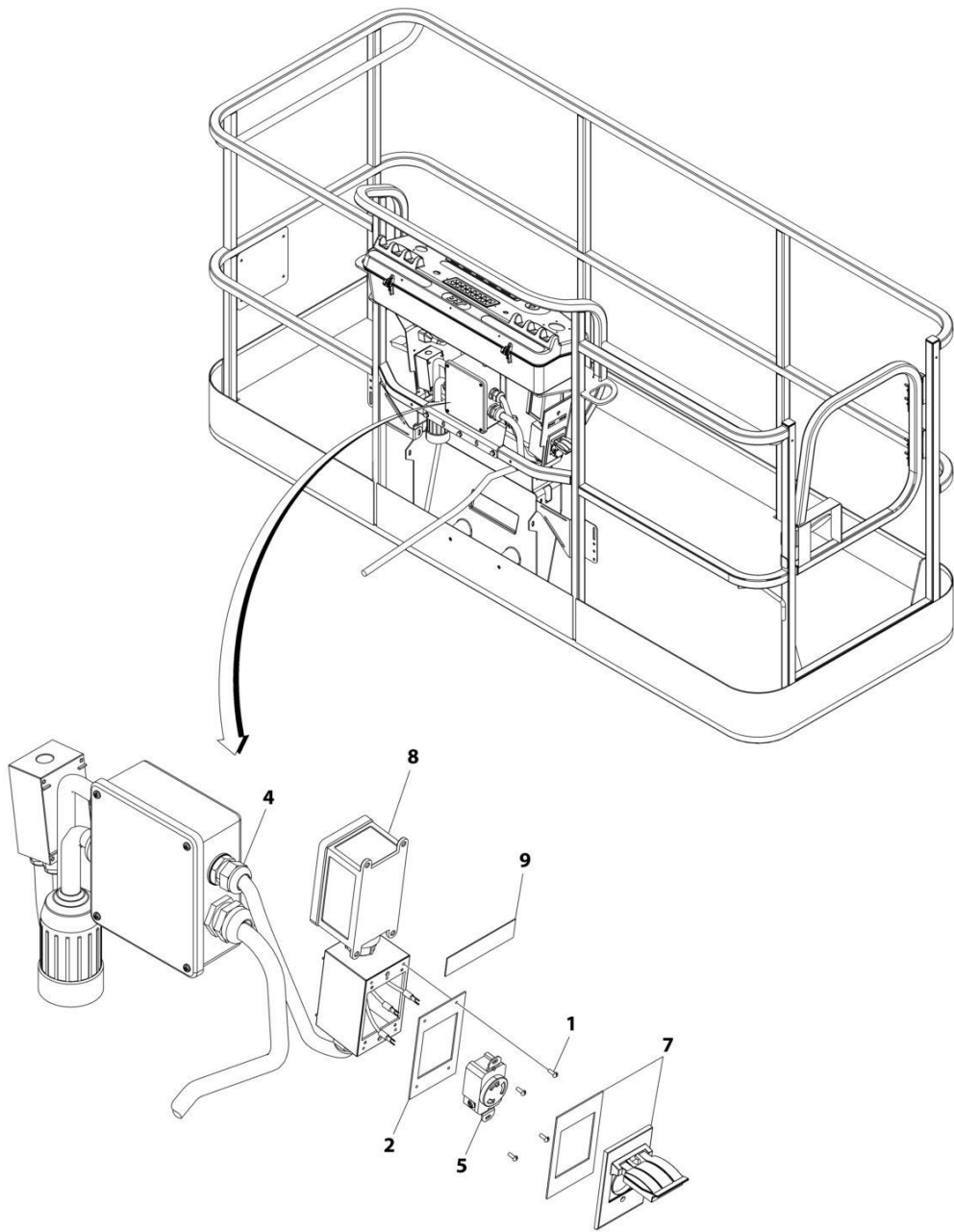
SECTION 8 - ELECTRICAL

FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ANSI, ANSI EXPORT & CSA 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 8-14. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS)



ART_1001159121

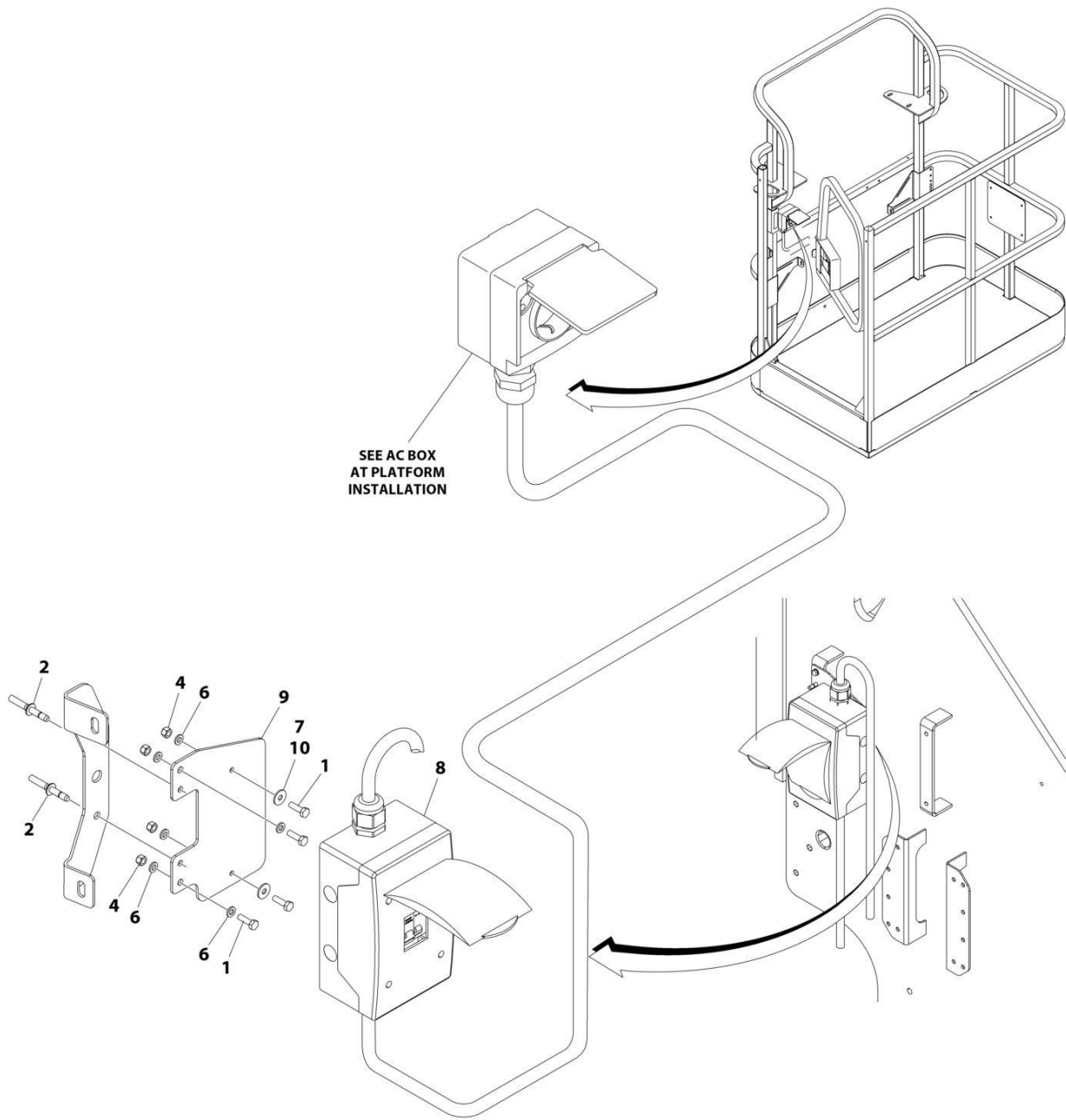
SECTION 8 - ELECTRICAL

FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ANSI, ANSI EXPORT & CSA 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 8-15. AC CABLE INSTALLATION - WITH THREE BREAKERS (CE & UK CA SPECS)



ART_1001209677

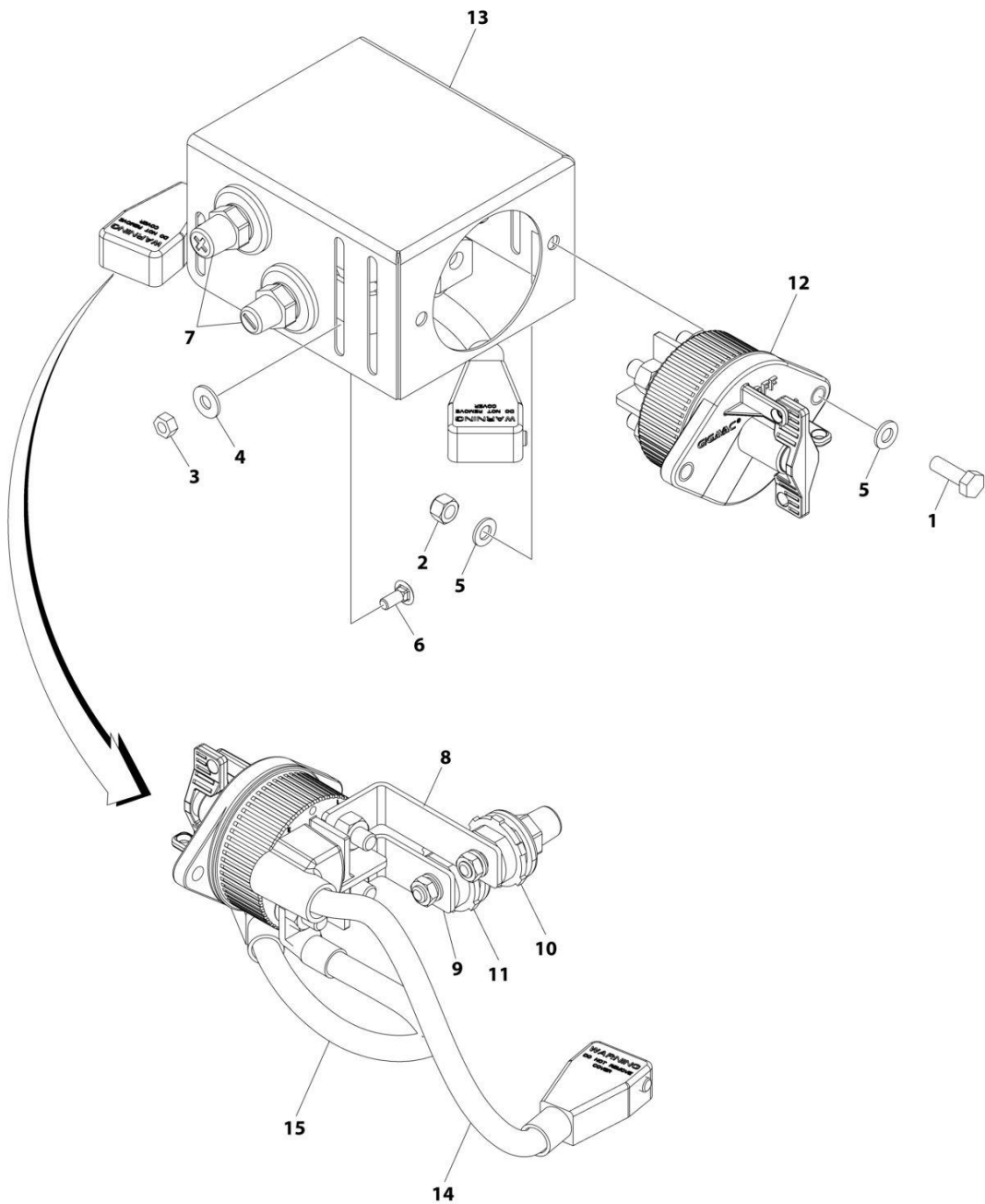
SECTION 8 - ELECTRICAL

FIGURE 8-15. AC CABLE INSTALLATION - WITH THREE BREAKERS (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209677	Ref	AC CABLE INSTALLATION - WITH THREE BREAKERS	B
1	0760610	AR	Bolt M6 x 20	
1	4010405	AR	Bolt M4 x 10	
2	2080040	AR	Fastener, Huck	
4	3290605	AR	Nut M6	
6	4811700	4	Washer M6	
7	1001091102	AR	Washer M4	
8	1001152485	1	Breaker Box Kit (See Separate Breakdown in this Section)	
9	1001209832	1	Bracket	
10	4811702	AR	Washer M6	

SECTION 8 - ELECTRICAL

FIGURE 8-16. BATTERY DISCONNECT SWITCH



ART_1001236304

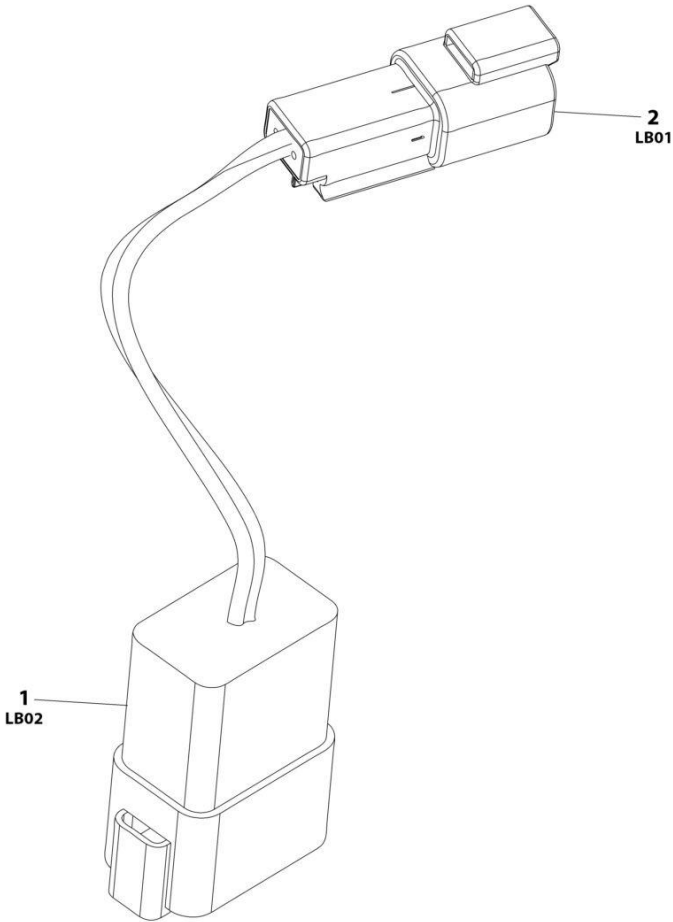
SECTION 8 - ELECTRICAL

FIGURE 8-16. BATTERY DISCONNECT SWITCH

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 8-17. BEACON HARNESS - AMBER BEACON



ART_1001283776

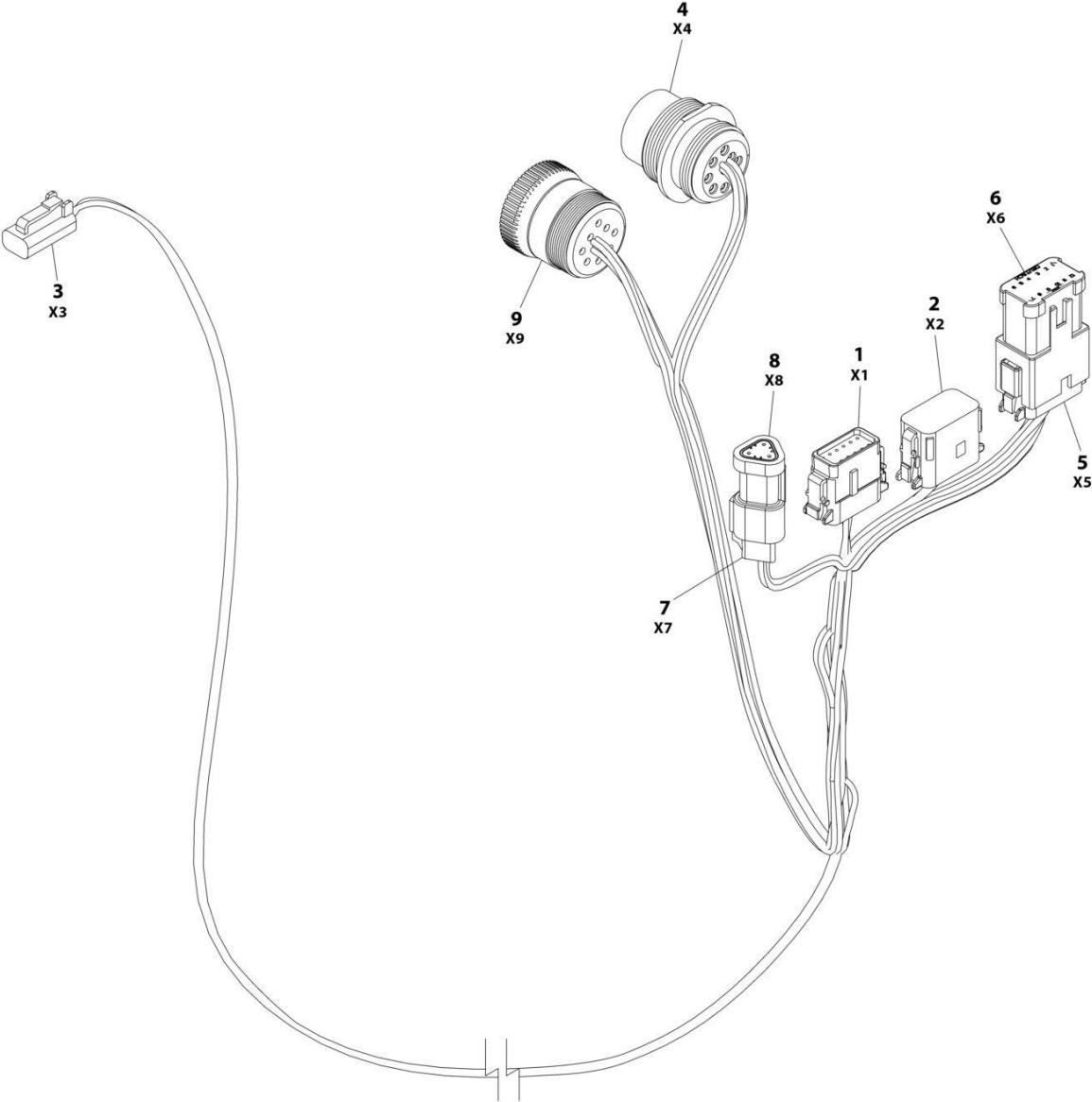
SECTION 8 - ELECTRICAL

FIGURE 8-17. BEACON HARNESS - AMBER BEACON

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 8-18. BEACON HARNESS - BLUE & RED BEACONS



ART_1001142736

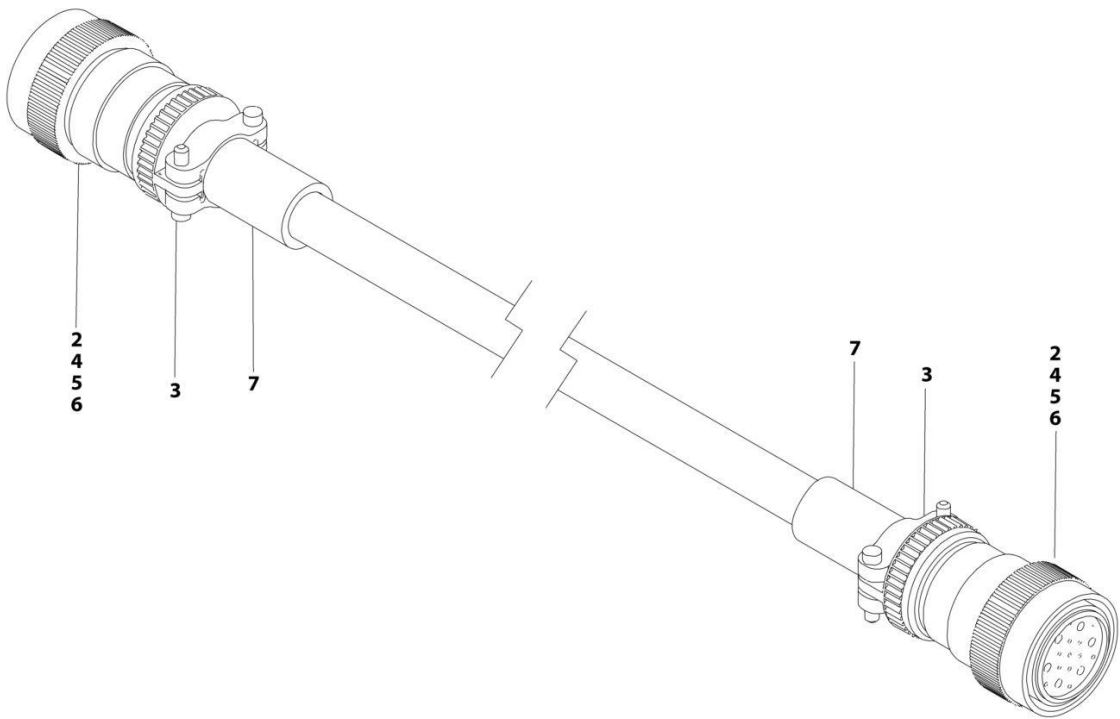
SECTION 8 - ELECTRICAL

FIGURE 8-18. BEACON HARNESS - BLUE & RED BEACONS

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 8-19. BOOM HARNESS (400SC)



ART_1001176952

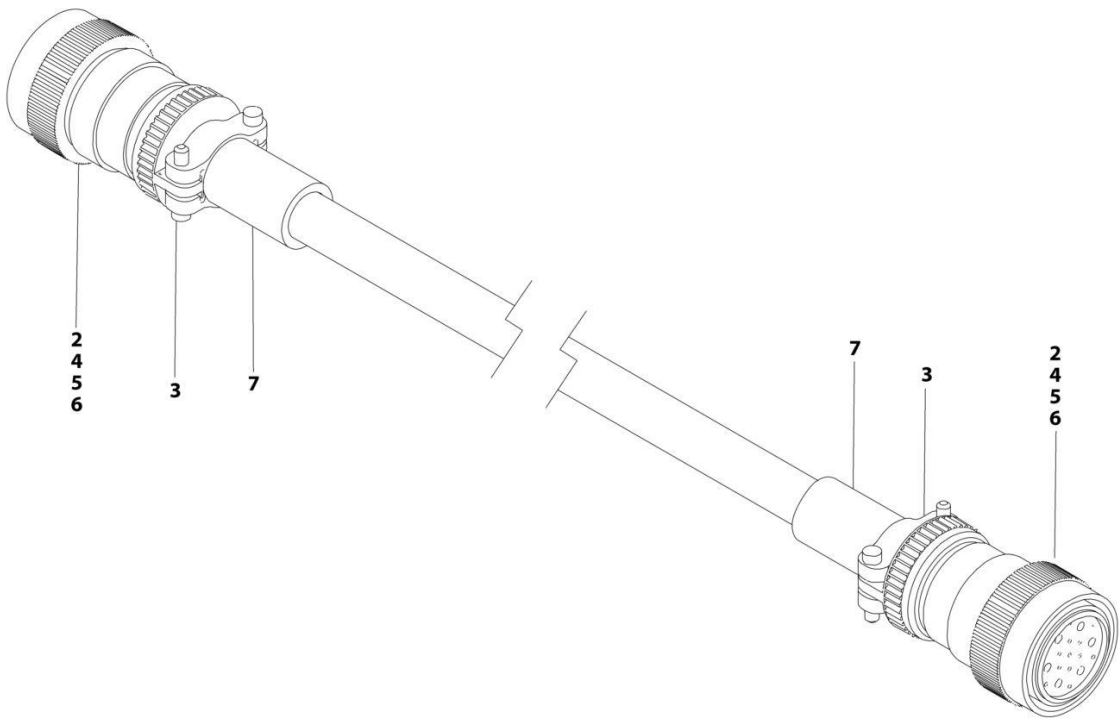
SECTION 8 - ELECTRICAL

FIGURE 8-19. BOOM HARNESS (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176952	Ref	BOOM HARNESS	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	AR	Heat Shrink	

SECTION 8 - ELECTRICAL

FIGURE 8-20. BOOM HARNESS (460SJC)



ART_1001176953

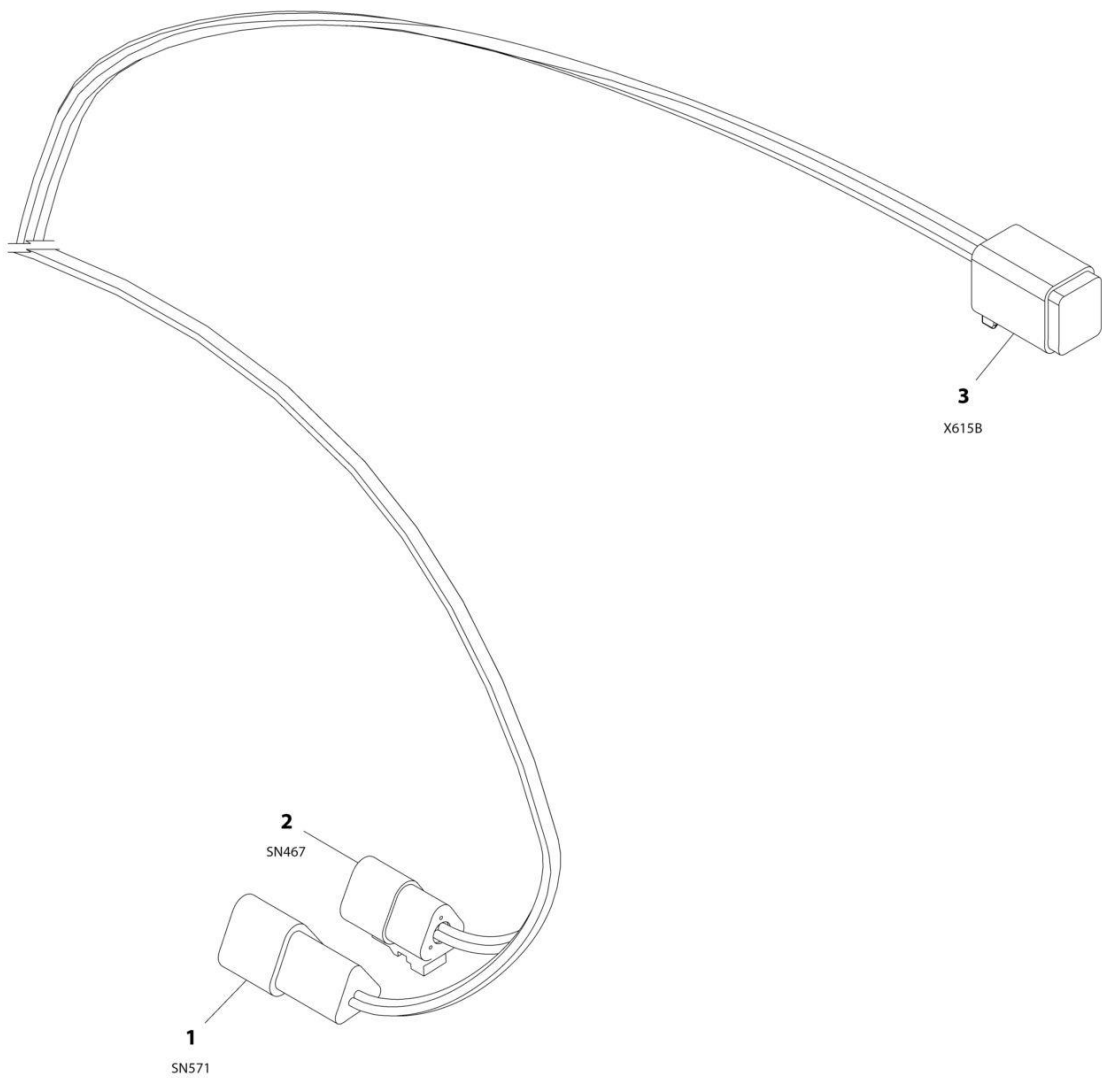
SECTION 8 - ELECTRICAL

FIGURE 8-20. BOOM HARNESS (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176953	Ref	BOOM HARNESS	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	AR	Heat Shrink	

SECTION 8 - ELECTRICAL

FIGURE 8-21. BOOM CAPACITY PROXIMITY SWITCH HARNESS



ART_1001173807

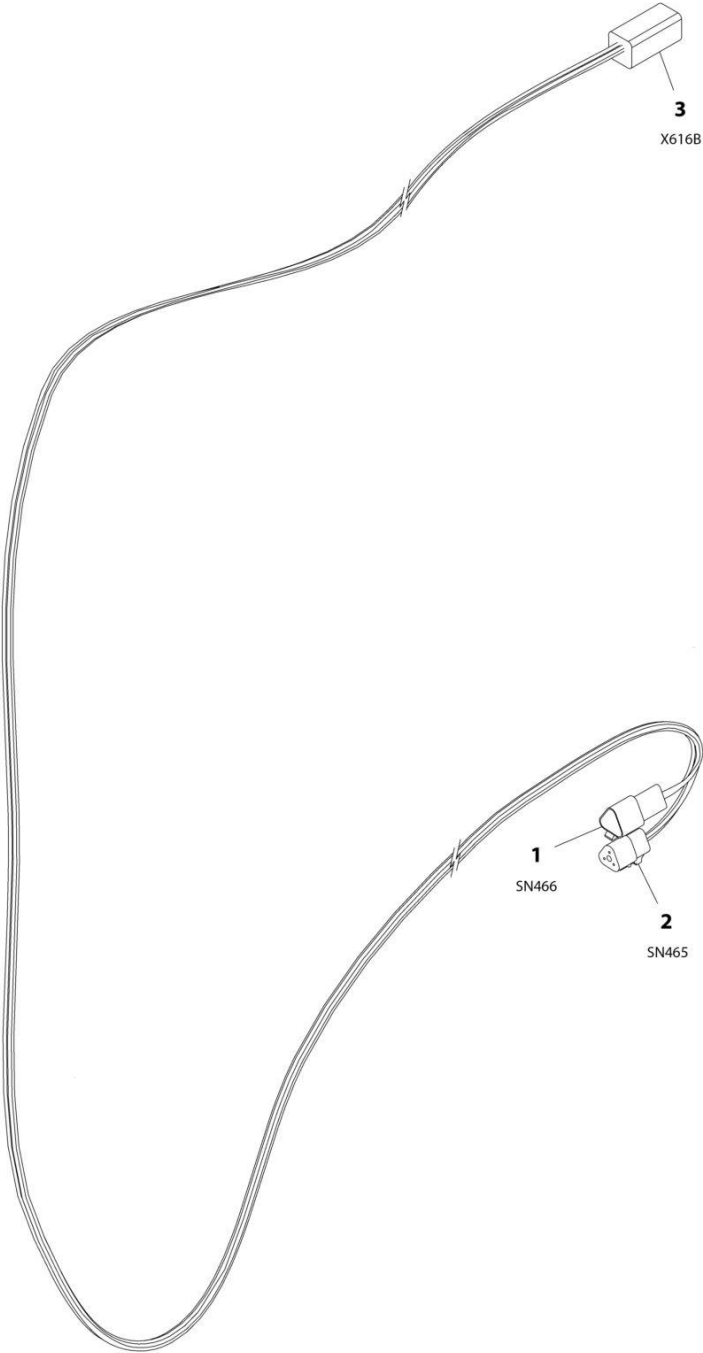
SECTION 8 - ELECTRICAL

FIGURE 8-21. BOOM CAPACITY PROXIMITY SWITCH HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173807	Ref	BOOM CAPACITY PROXIMITY SWITCH HARNESS	C
1	4460536	1	Receptacle, Female - 3 Position	
1	4460464	3	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	1	Socket, Female	
3	4460930	1	Plug, Male - 8 Position	
3	4460465	6	Socket, Female	
3	4460466	2	Plug, Terminal	

SECTION 8 - ELECTRICAL

FIGURE 8-22. BOOM TELE IN PROXIMITY SWITCH HARNESS



ART_1001173808

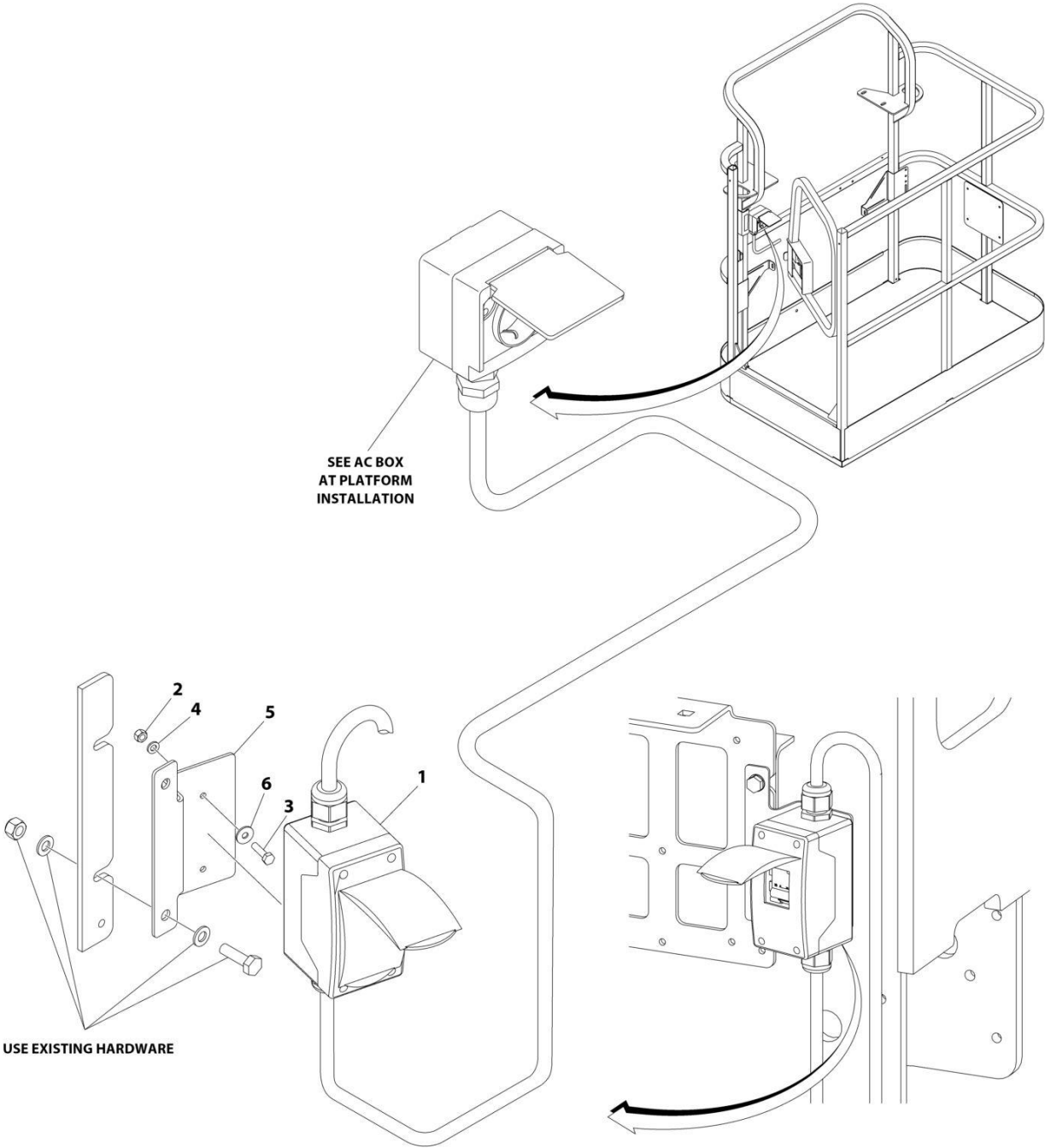
SECTION 8 - ELECTRICAL

FIGURE 8-22. BOOM TELE IN PROXIMITY SWITCH HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173808	Ref	BOOM TELE IN PROXIMITY SWITCH HARNESS	C
1	4460536	1	Receptacle, Female - 3 Position	
1	4460464	3	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	1	Socket, Female	
3	4460899	1	Receptacle, Female - 6 Position	
3	4460464	1	Pin, Male	

SECTION 8 - ELECTRICAL

FIGURE 8-23. BREAKER BOX INSTALLATION - 16AMP BREAKER (CE & UK CA SPEC)



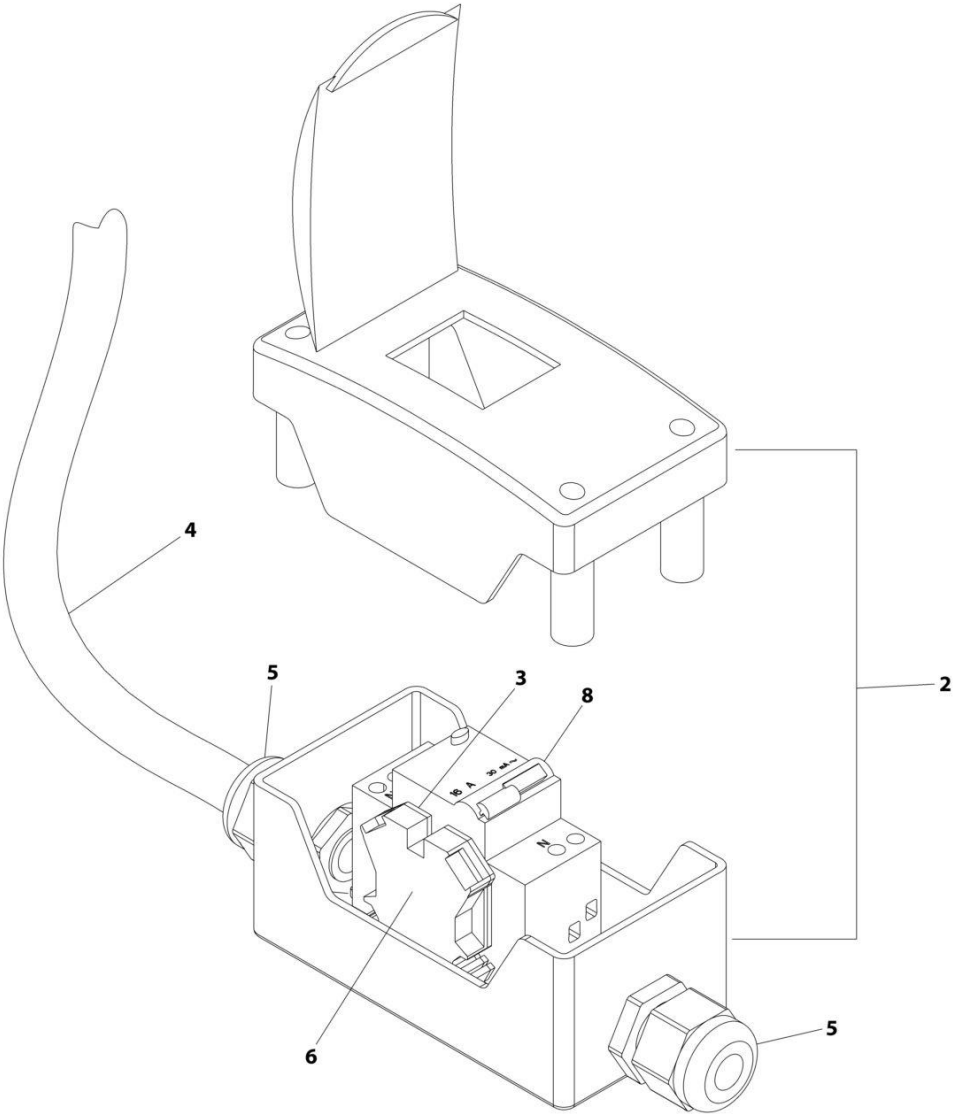
SECTION 8 - ELECTRICAL

FIGURE 8-23. BREAKER BOX INSTALLATION - 16AMP BREAKER (CE & UK CA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230907	Ref	BREAKER BOX INSTALLATION - 110/220V 16AMP BREAKER	C
1	2902549	1	Breaker Box Kit (See Separate Breakdown in this Section)	
2	3290405	2	Nut M4	
2	3290605	2	Nut M6	
3	4010405	2	Screw M4 x 10	
3	0760614	2	Screw M6 x 30	
4	1001091102	2	Washer M4	
4	4811700	2	Washer M6	
5	1001230784	1	Bracket	
6	4811702	2	Washer M6	

SECTION 8 - ELECTRICAL

FIGURE 8-24. BREAKER BOX KIT - 16AMP BREAKER



ART_2902549_F

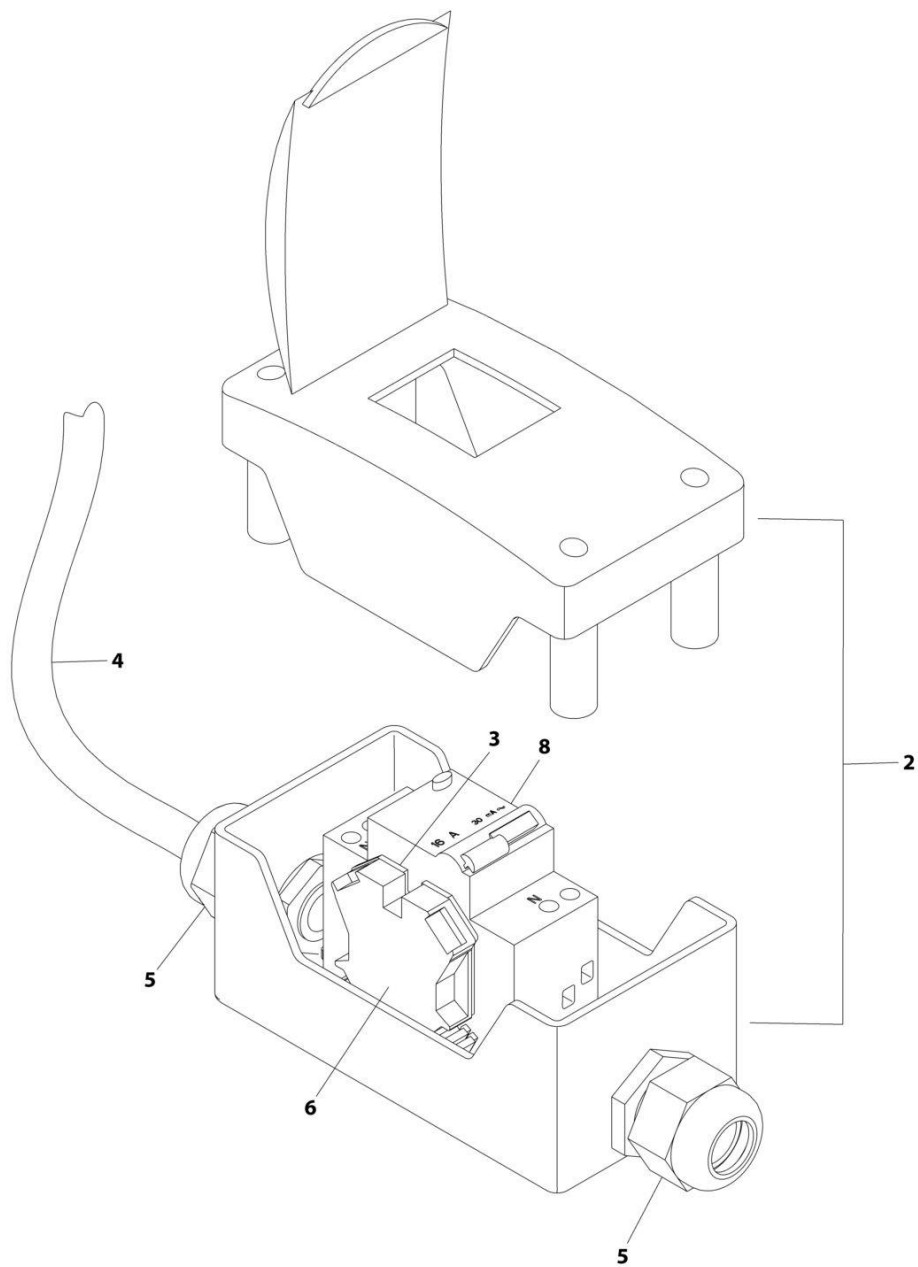
SECTION 8 - ELECTRICAL

FIGURE 8-24. BREAKER BOX KIT - 16AMP BREAKER

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 8-25. BREAKER BOX KIT - 30MA/16 AMP



ART_1001096070_E

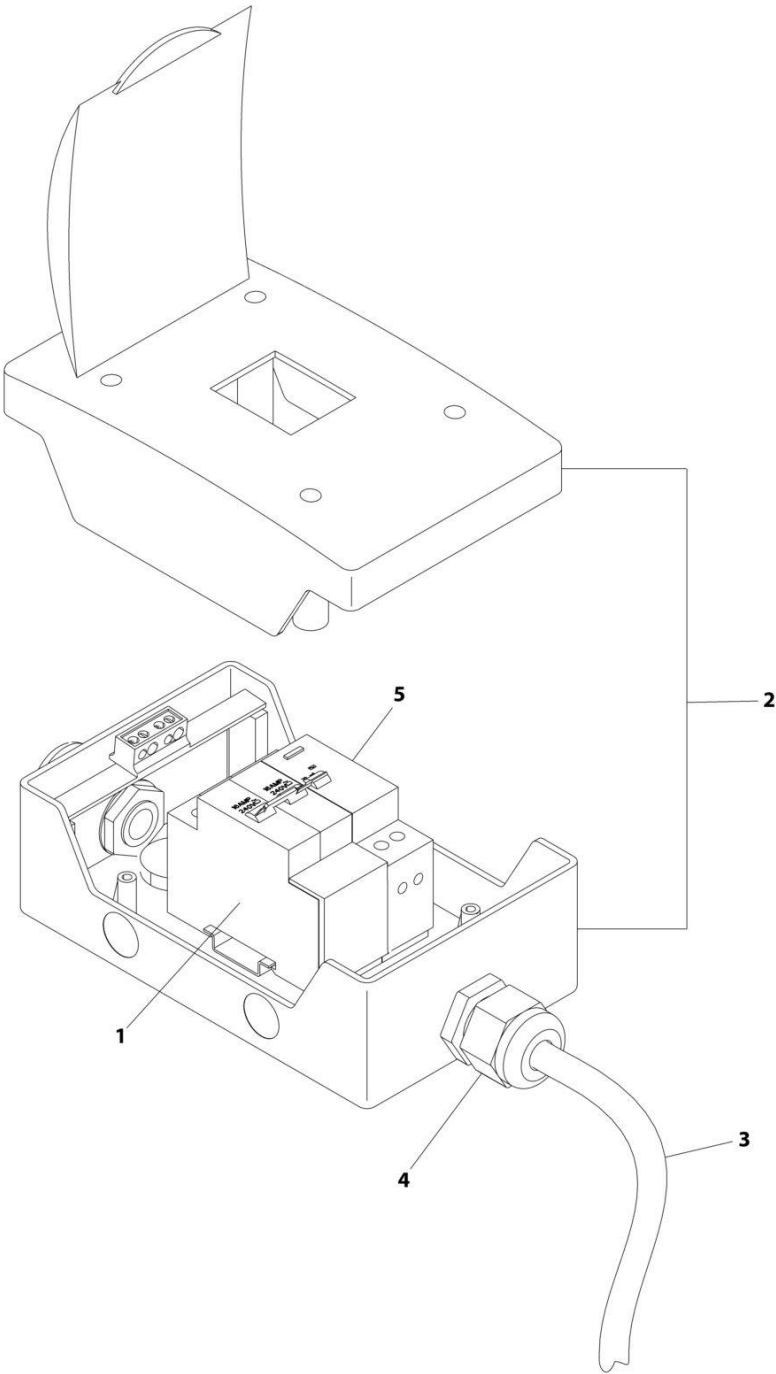
SECTION 8 - ELECTRICAL

FIGURE 8-25. BREAKER BOX KIT - 30MA/16 AMP

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/ 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 8-26. BREAKER BOX KIT WITH THREE BREAKERS



ART_1001152485_F

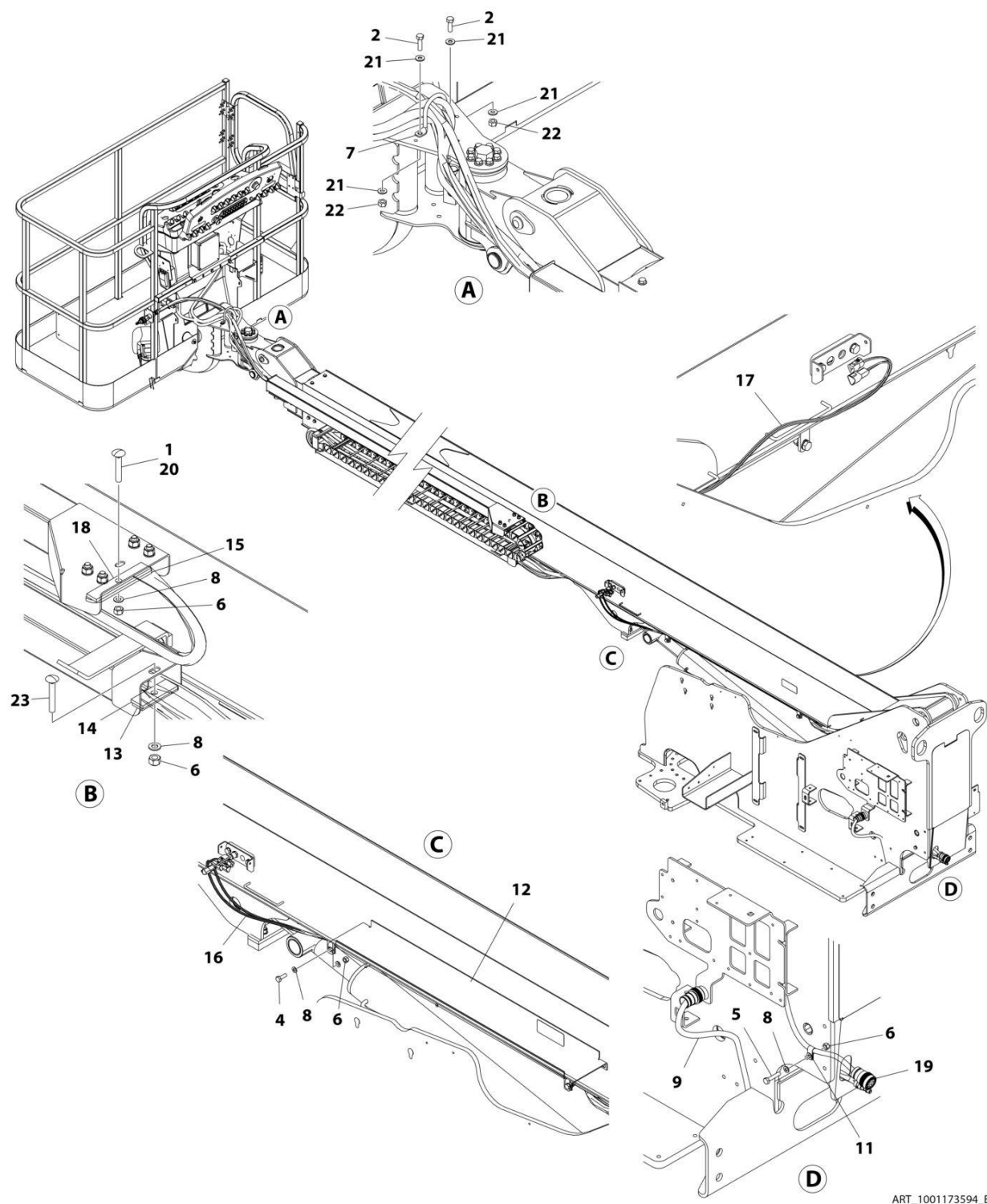
SECTION 8 - ELECTRICAL

FIGURE 8-26. BREAKER BOX KIT WITH THREE BREAKERS

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

SECTION 8 - ELECTRICAL

FIGURE 8-27. CABLES AND CLAMPS INSTALLATION -WITHOUT GENERATOR (400SC)



ART_1001173594_E

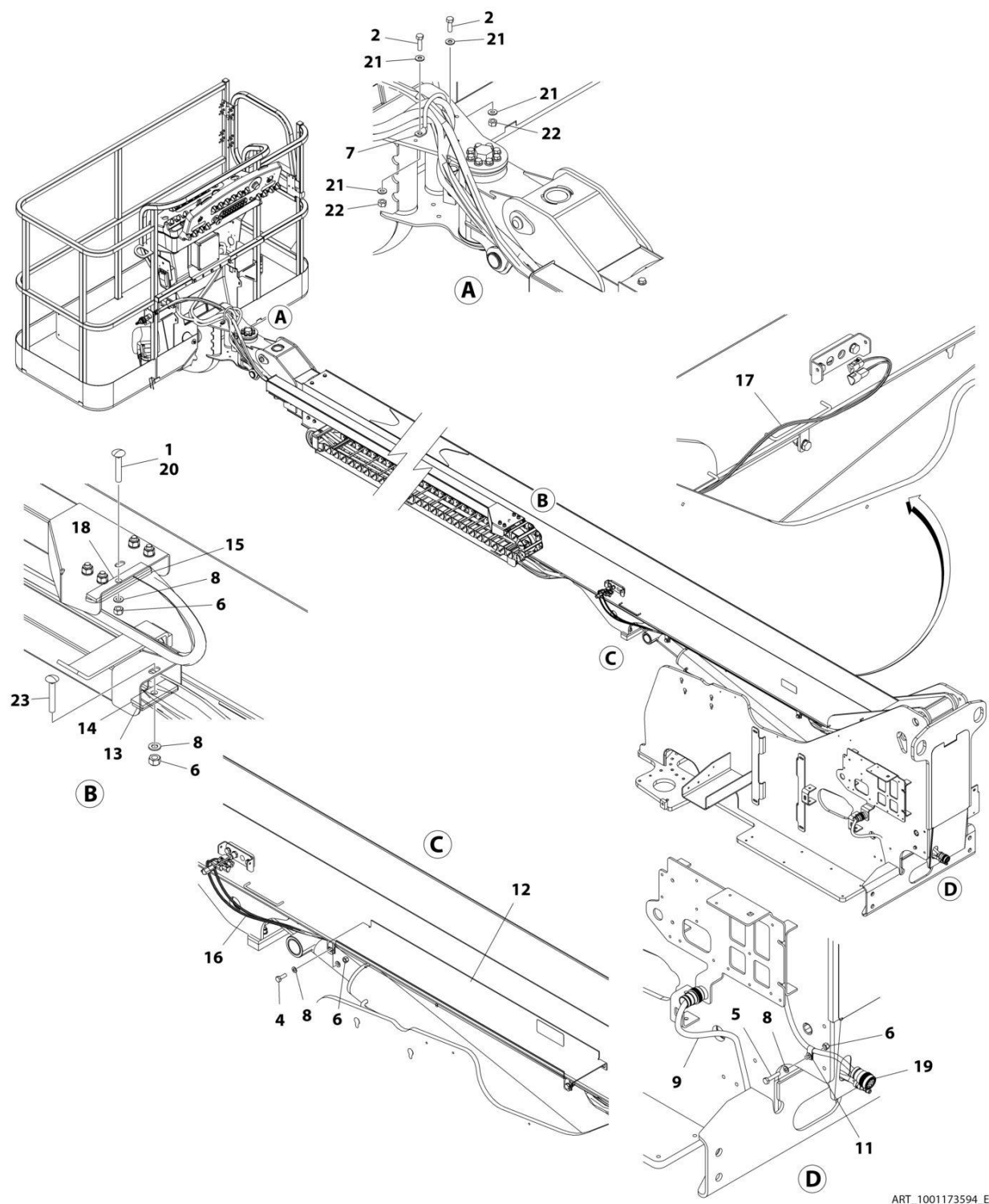
SECTION 8 - ELECTRICAL

FIGURE 8-27. CABLES AND CLAMPS INSTALLATION -WITHOUT GENERATOR (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173594	Ref	CABLES AND CLAMPS INSTALLATION	E
1	0630563	1	Bolt Carriage M10 x 60	
2	0760814	1	Bolt M8 x 30	
4	0761014	4	Bolt M10 x 30	
5	0761018	1	Bolt M10 x 50	
6	3291005	7	Nut Lock M10 x 1.5	
7	3841340	1	Hose Loop	
8	4812000	12	Washer, M10	
9	1001176952	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
11	8406110	1	Clip	
12	1001172128	1	Bracket, Hose Cover	
13	1001173456	1	Clamp	
14	1001173665	1	Clamp	
15	1001173761	1	Bracket	
16	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
17	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
18	1001173927	1	Clamp	
19	1001203434	1	Cable, Electrical 12/3	
20	0100081	AR	Adhesive	
21	4811900	4	Washer M8	
22	3290805	2	Nut M8	
23	1001181329	1	Bolt M10 x 70	

SECTION 8 - ELECTRICAL

FIGURE 8-28. CABLES AND CLAMPS INSTALLATION -WITH 4000W-50HZ GENERATOR (400SC)



ART_1001173594_E

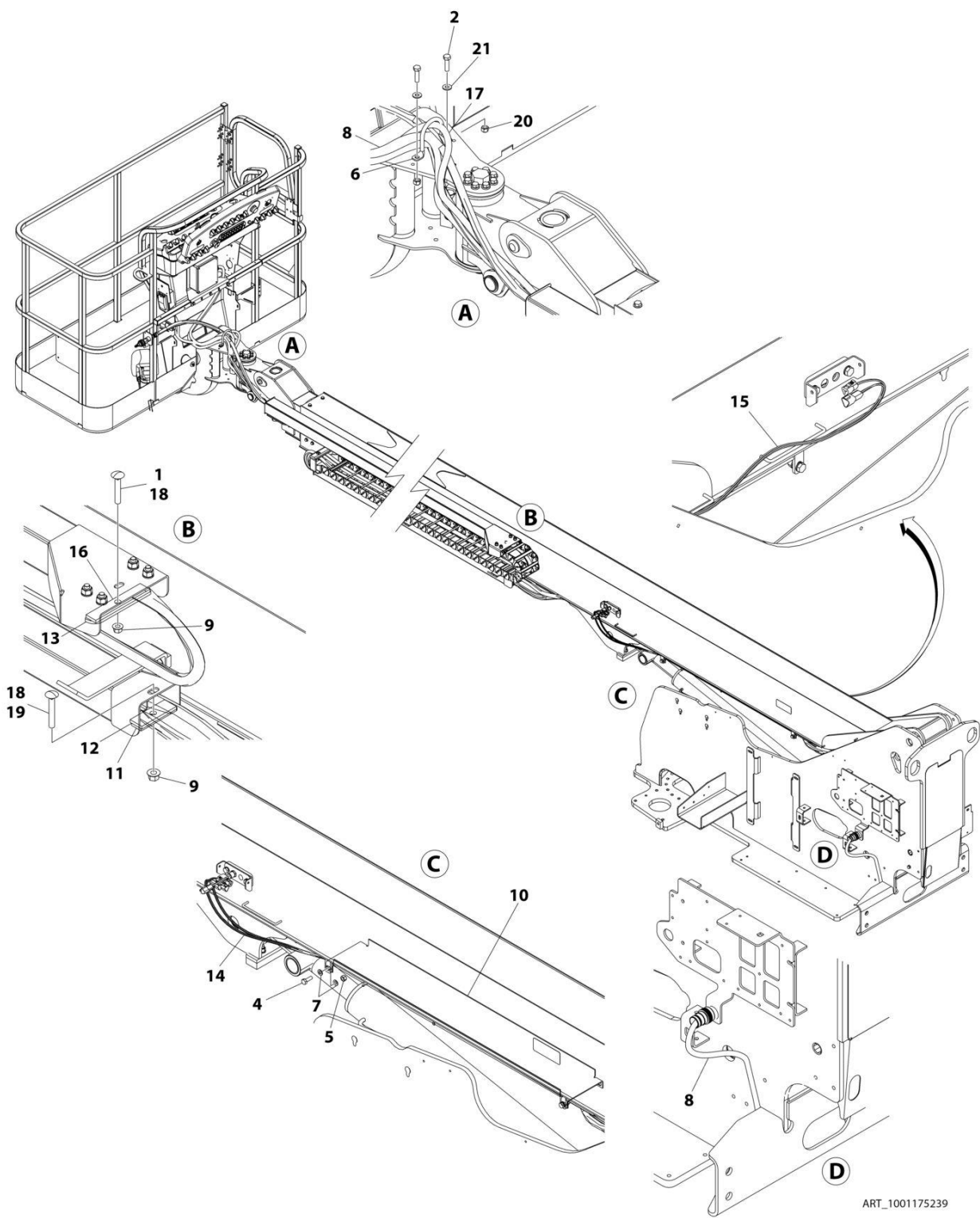
SECTION 8 - ELECTRICAL

FIGURE 8-28. CABLES AND CLAMPS INSTALLATION -WITH 4000W-50HZ GENERATOR (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173594	Ref	CABLES AND CLAMPS INSTALLATION	E
1	0630563	1	Bolt Carriage M10 x 60	
2	0760814	1	Bolt M8 x 30	
4	0761014	4	Bolt M10 x 30	
5	0761018	1	Bolt M10 x 50	
6	3291005	7	Nut Lock M10 x 1.5	
7	3841340	1	Hose Loop	
8	4812000	12	Washer, M10	
9	1001176952	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
11	8406110	1	Clip	
12	1001172128	1	Bracket, Hose Cover	
13	1001173456	1	Clamp	
14	1001173665	1	Clamp	
15	1001173761	1	Bracket	
16	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
17	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
18	1001173927	1	Clamp	
19	1001203434	1	Cable, Electrical 12/3	
20	0100081	AR	Adhesive	
21	4811900	4	Washer M8	
22	3290805	2	Nut M8	
23	1001181329	1	Bolt M10 x 70	

SECTION 8 - ELECTRICAL

FIGURE 8-29. CABLES AND CLAMPS INSTALLATION -WITH 4000W-60HZ GENERATOR (400SC)



ART_1001175239

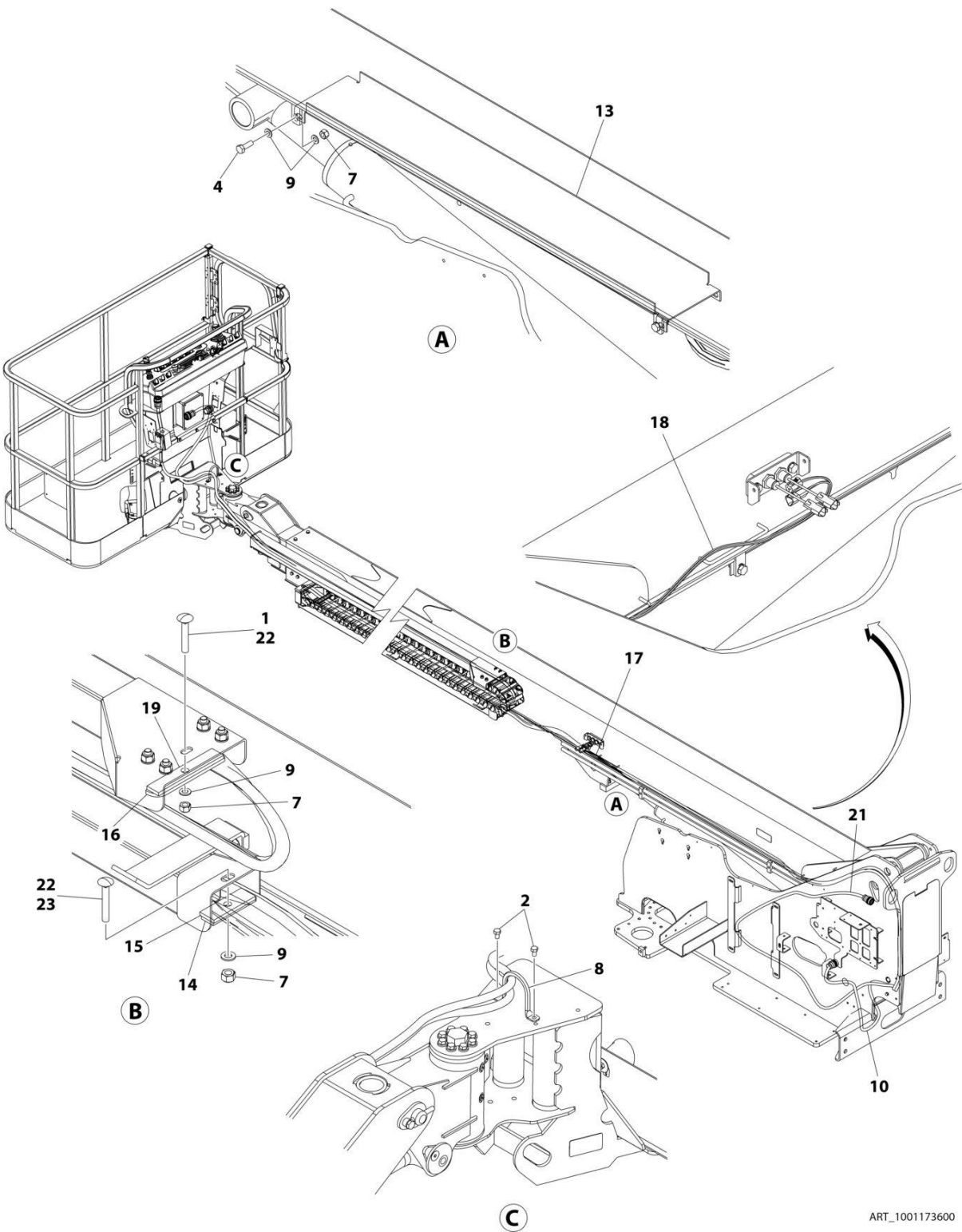
SECTION 8 - ELECTRICAL

FIGURE 8-29. CABLES AND CLAMPS INSTALLATION -WITH 4000W-60HZ GENERATOR (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175239	Ref	CABLES AND CLAMPS INSTALLATION	D
1	0630563	1	Bolt, Carriage M10 x 60	
2	0760814	2	Bolt, M8 x 30	
4	0761014	4	Bolt M10 x 30	
5	3291005	4	Nut M10	
6	3841340	1	Hose Loop	
7	4812000	8	Washer M10	
8	1001176952	1	Harness, Main Boom Cable - 400SC (See Separate Breakdown in this Section)	
9	5261018	2	Nut M10	
10	1001172128	1	Bracket, Hose Cover	
11	1001173456	1	Clamp	
12	1001173665	1	Clamp	
13	1001173761	1	Bracket	
14	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
15	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
16	1001173927	1	Clamp	
17	1001175170	1	Cable, Electrical 12/3	
18	0100081	AR	Adhesive	
19	1001181329	1	Bolt, Carriage M10 x 70	
20	3290805	3	Nut M8	
21	4811900	4	Washer M8	

SECTION 8 - ELECTRICAL

FIGURE 8-30. CABLES AND CLAMPS INSTALLATION -WITH 7500W GENERATOR (400SC)



ART_1001173600

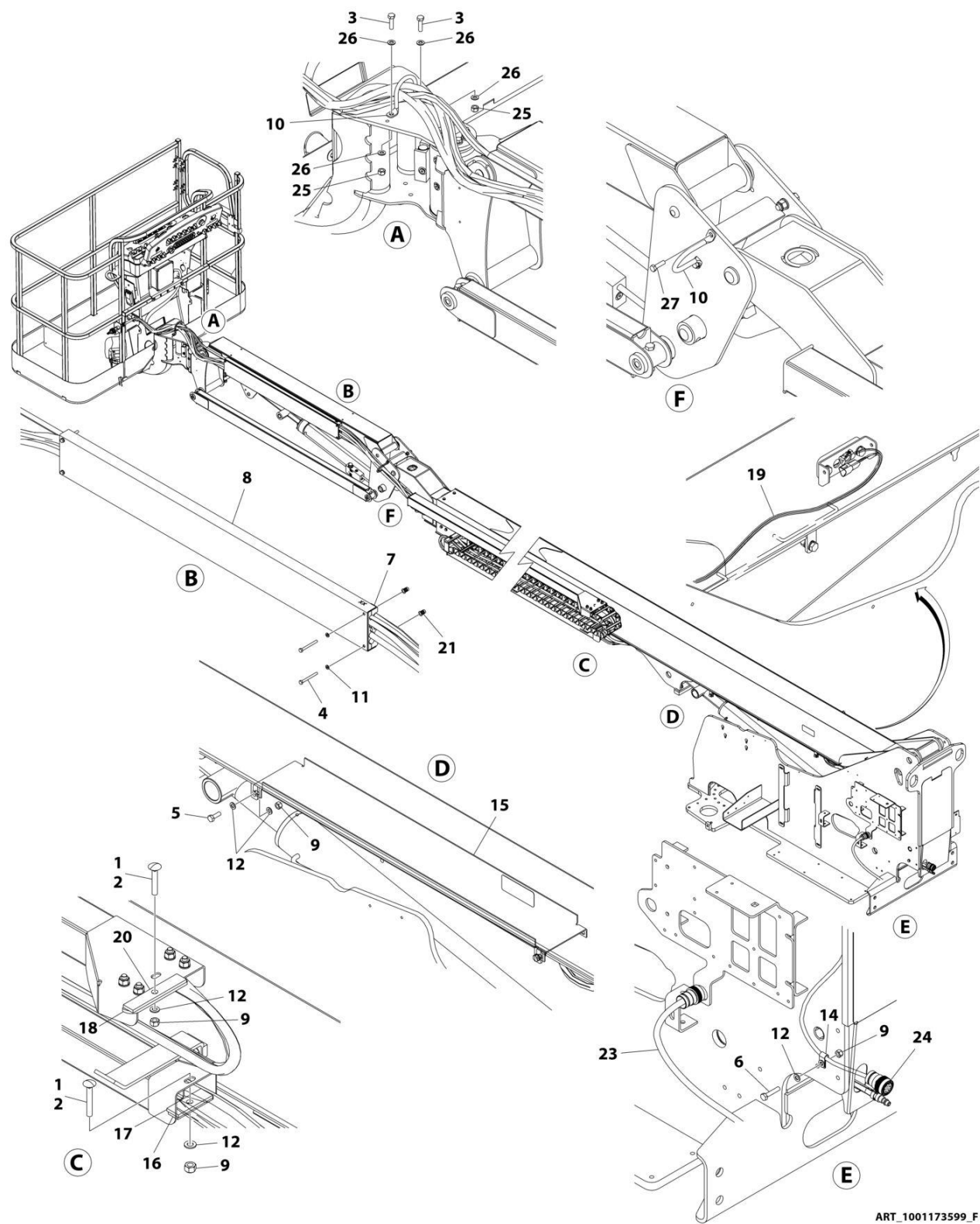
SECTION 8 - ELECTRICAL

FIGURE 8-30. CABLES AND CLAMPS INSTALLATION -WITH 7500W GENERATOR (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173600	Ref	CABLES AND CLAMPS INSTALLATION	E
1	0630563	1	Bolt, Carriage M10 x 60	
2	0641504	2	Bolt, 5/16 x 1/2	
4	0761014	4	Bolt, M10 x 30	
7	3291005	6	Nut, Lock M10 x 1.5	
8	3841340	1	Hose Loop	
9	4812000	10	Washer, M10	
10	1001176952	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
13	1001172128	1	Bracket, Hose Cover	
14	1001173456	1	Clamp	
15	1001173665	1	Clamp	
16	1001173761	1	Bracket	
17	1001173807	1	Harness, Capacity Switch (See Separate Breakdown in this Section)	
18	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
19	1001173927	1	Clamp	
21	4922802	1	Cable, Electrical 8/5	
22	0100081	1	Adhesive	
23	1001181319	1	Bolt, Carriage M10 x 70	

SECTION 8 - ELECTRICAL

FIGURE 8-31. CABLES AND CLAMPS INSTALLATION -WITHOUT GENERATOR (460SJC)



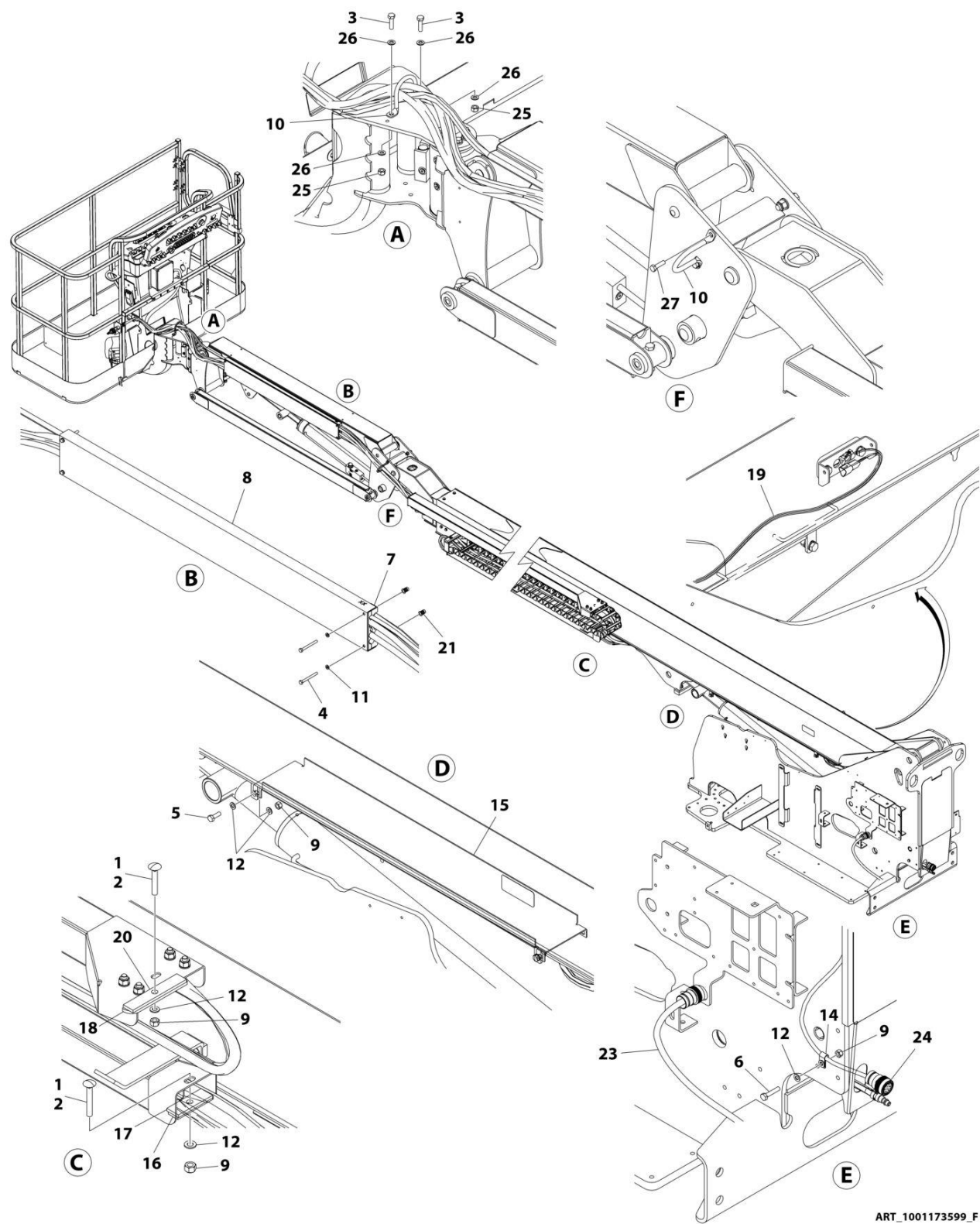
SECTION 8 - ELECTRICAL

FIGURE 8-31. CABLES AND CLAMPS INSTALLATION -WITHOUT GENERATOR (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173599	Ref	CABLES AND CLAMPS INSTALLATION	F
1	0100081	1	Adhesive	
2	0630563	2	Bolt, Carriage M10 x 60	
3	0760814	2	Bolt M8 x 30	
4	0641418	4	Bolt 1/4 x 2-1/4	
4	0700620	4	Bolt M6 x 60	
5	0761014	4	Bolt, M10 x 30	
6	0761018	1	Bolt, M10 x 50	
7	1001203459	2	Block, Clamp	
8	1670769	1	Cover	
9	3291005	7	Nut, Lock M10 x 1.5	
10	3841340	2	Hose Loop	
11	4811700	4	Washer, M6	
12	4812000	12	Washer, M10	
14	8406110	1	Clip	
15	1001172128	1	Bracket, Hose Cover	
16	1001173456	1	Clamp	
17	1001173665	1	Clamp	
18	1001173761	1	Bracket	
19	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
20	1001173927	1	Clamp	
21	1001176636	4	Nut M6	
21	1001260680	4	Rivnut M6	
23	1001176953	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
24	1001203435	1	Cable, Electrical 12/3	
25	3290805	2	Nut, Lock M8	
26	4811900	4	Washer M8	
27	0641504	2	Bolt 5/16 x 1/2	

SECTION 8 - ELECTRICAL

FIGURE 8-32. CABLES AND CLAMPS INSTALLATION - WITH 4000W GENERATOR 50HZ (460SJC)



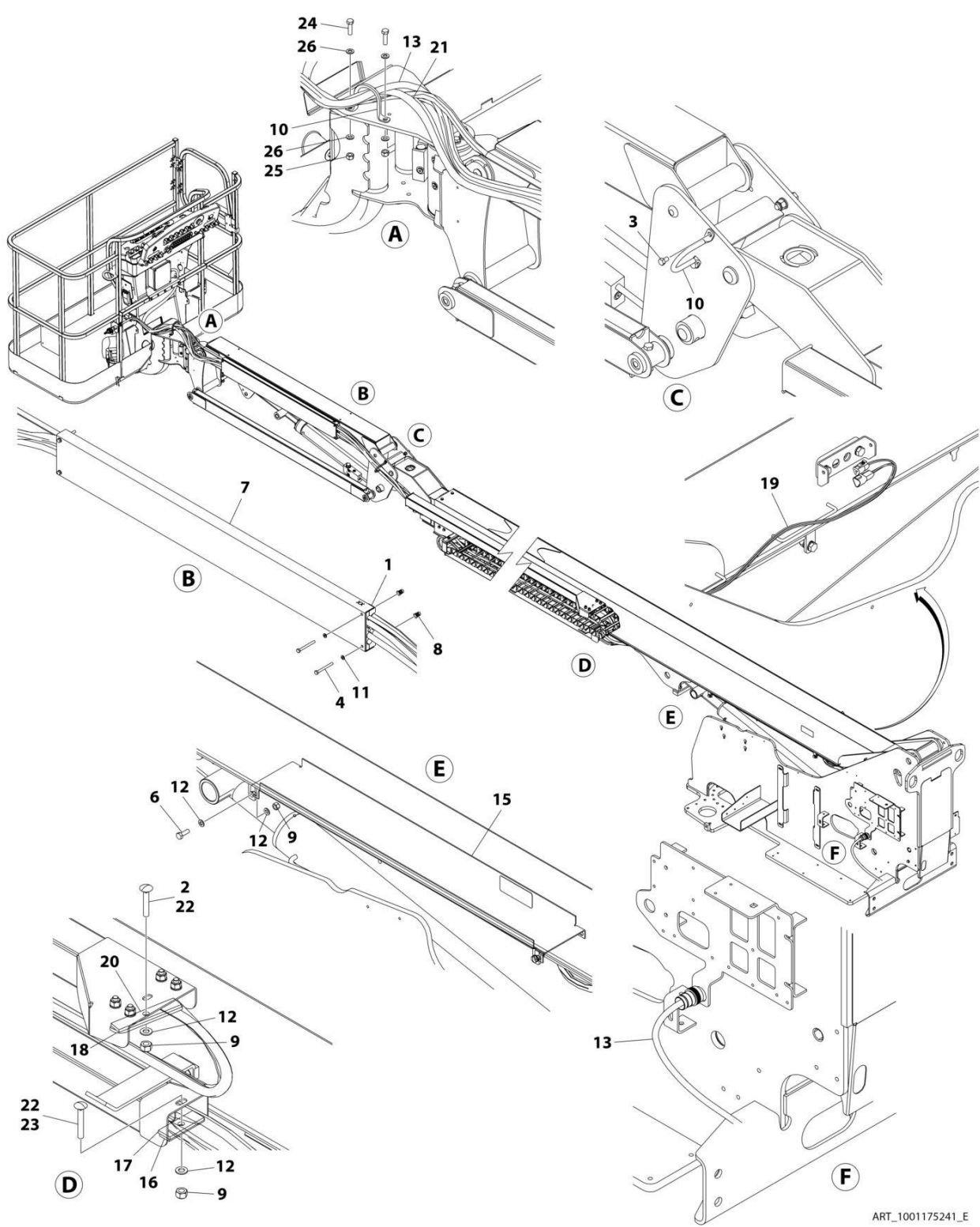
SECTION 8 - ELECTRICAL

FIGURE 8-32. CABLES AND CLAMPS INSTALLATION - WITH 4000W GENERATOR 50HZ (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173599	Ref	CABLES AND CLAMPS INSTALLATION	F
1	0100081	1	Adhesive	
2	0630563	2	Bolt, Carriage M10 x 60	
3	0760814	2	Bolt M8 x 30	
4	0641418	4	Bolt 1/4 x 2-1/4	
4	0700620	4	Bolt M6 x 60	
5	0761014	4	Bolt, M10 x 30	
6	0761018	1	Bolt, M10 x 50	
7	1001203459	2	Block, Clamp	
8	1670769	1	Cover	
9	3291005	7	Nut, Lock M10 x 1.5	
10	3841340	2	Hose Loop	
11	4811700	4	Washer, M6	
12	4812000	12	Washer, M10	
14	8406110	1	Clip	
15	1001172128	1	Bracket, Hose Cover	
16	1001173456	1	Clamp	
17	1001173665	1	Clamp	
18	1001173761	1	Bracket	
19	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
20	1001173927	1	Clamp	
21	1001176636	4	Nut M6	
21	1001260680	4	Rivnut M6	
23	1001176953	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
24	1001203435	1	Cable, Electrical 12/3	
25	3290805	2	Nut, Lock M8	
26	4811900	4	Washer M8	
27	0641504	2	Bolt 5/16 x 1/2	

SECTION 8 - ELECTRICAL

FIGURE 8-33. CABLES AND CLAMPS INSTALLATION -WITH 4000W GENERATOR 60HZ (460SJC)



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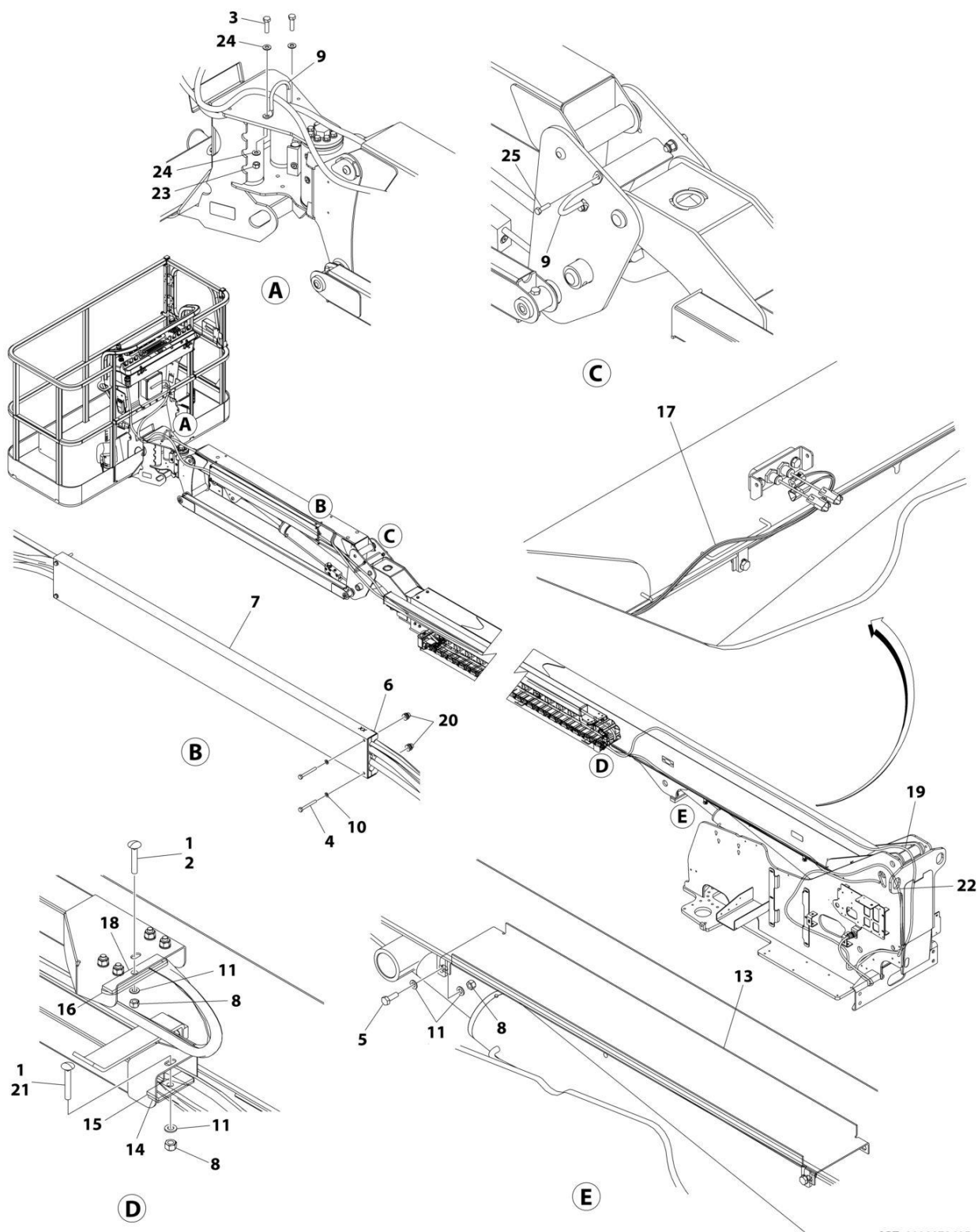
SECTION 8 - ELECTRICAL

FIGURE 8-33. CABLES AND CLAMPS INSTALLATION -WITH 4000W GENERATOR 60HZ (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175241	Ref	CABLES AND CLAMPS INSTALLATION	E
1	0561237	2	Block, Clamp	
2	0630563	1	Bolt, Carriage M10 x 60	
3	0641504	1	Bolt 5/16 x 1/2	
4	0700620	4	Bolt M6 x 60	
6	0761014	4	Bolt M10 x 30	
7	1670769	1	Cover	
8	1001176636	4	Nut M6	
8	1001260680	4	Rivnut M6	
9	3291005	6	Nut M10	
10	3841340	2	Hose Loop	
11	4811700	4	Washer M6	
12	4812000	10	Washer M10	
13	1001176953	1	Harness, Main Boom Cable - 460SJC (See Separate Breakdown in this Section)	
15	1001172128	1	Bracket, Hose Cover	
16	1001173456	1	Clamp	
17	1001173665	1	Clamp	
18	1001173761	1	Bracket	
19	1001173808	1	Harness, Telescope in Proximity Sensors (See Separate Breakdown in this Section)	
20	1001173927	1	Clamp	
21	1001175171	1	Cable, Electrical 12/3	
22	0100081	AR	Adhesive	
23	1001181329	1	Bolt, Carriage M10 x 70	
24	0760814	2	Bolt M8 x 30	
25	3290805	2	Nut M8	
23	4811900	4	Washer M8	

SECTION 8 - ELECTRICAL

FIGURE 8-34. CABLES AND CLAMPS INSTALLATION - WITH 7500W GENERATOR (460SJC)



ART_1001173605

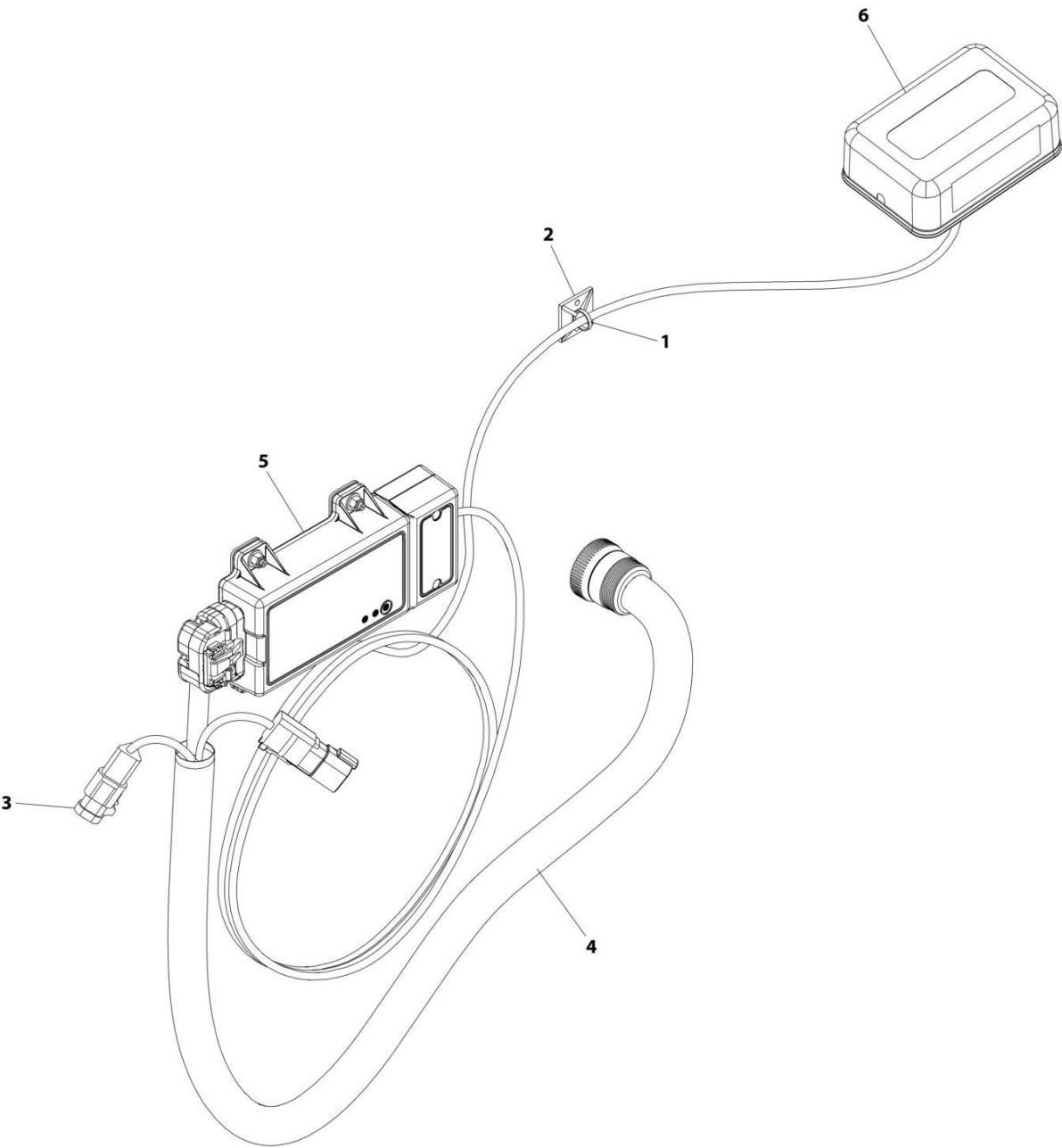
SECTION 8 - ELECTRICAL

FIGURE 8-34. CABLES AND CLAMPS INSTALLATION - WITH 7500W GENERATOR (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173605	Ref	CABLES AND CLAMPS INSTALLATION	G
1	0100081	1	Adhesive	
2	0630563	1	Bolt, Carriage M10 x 60	
3	0760814	2	Bolt M8 x 30	
4	0700620	4	Bolt M6 x 60	
5	0761014	4	Bolt M10 x 30	
6	1001203459	2	Block, Clamp	
7	1670769	1	Cover	
8	3291005	6	Nut M10	
9	3841340	2	Hose Loop	
10	4811700	4	Washer M6	
11	4812000	10	Washer M10	
13	1001172128	1	Bracket, Hose Cover	
14	1001173456	1	Clamp	
15	1001173665	1	Clamp	
16	1001173761	1	Bracket	
17	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
18	1001173927	1	Clamp	
19	4922803	1	Cable, Electrical 8/5	
20	1001176636	4	Nut, Rivet M6	
20	1001260680	4	Rivnut M6	
21	1001181329	1	Bolt, Carriage M10 x 70	
22	1001176953	1	Harness, Main Boom (See Separate Breakdown in this Section)	
23	3290805	2	Nut, Lock M8	
24	4811900	4	Washer M8	
25	0641504	2	Bolt 5/16 x 1/2	

SECTION 8 - ELECTRICAL

FIGURE 8-35. CLEARSKY INSTALLATION - 4G CANBUS CONNECTION (ALL SPECS)



ART_1001227453

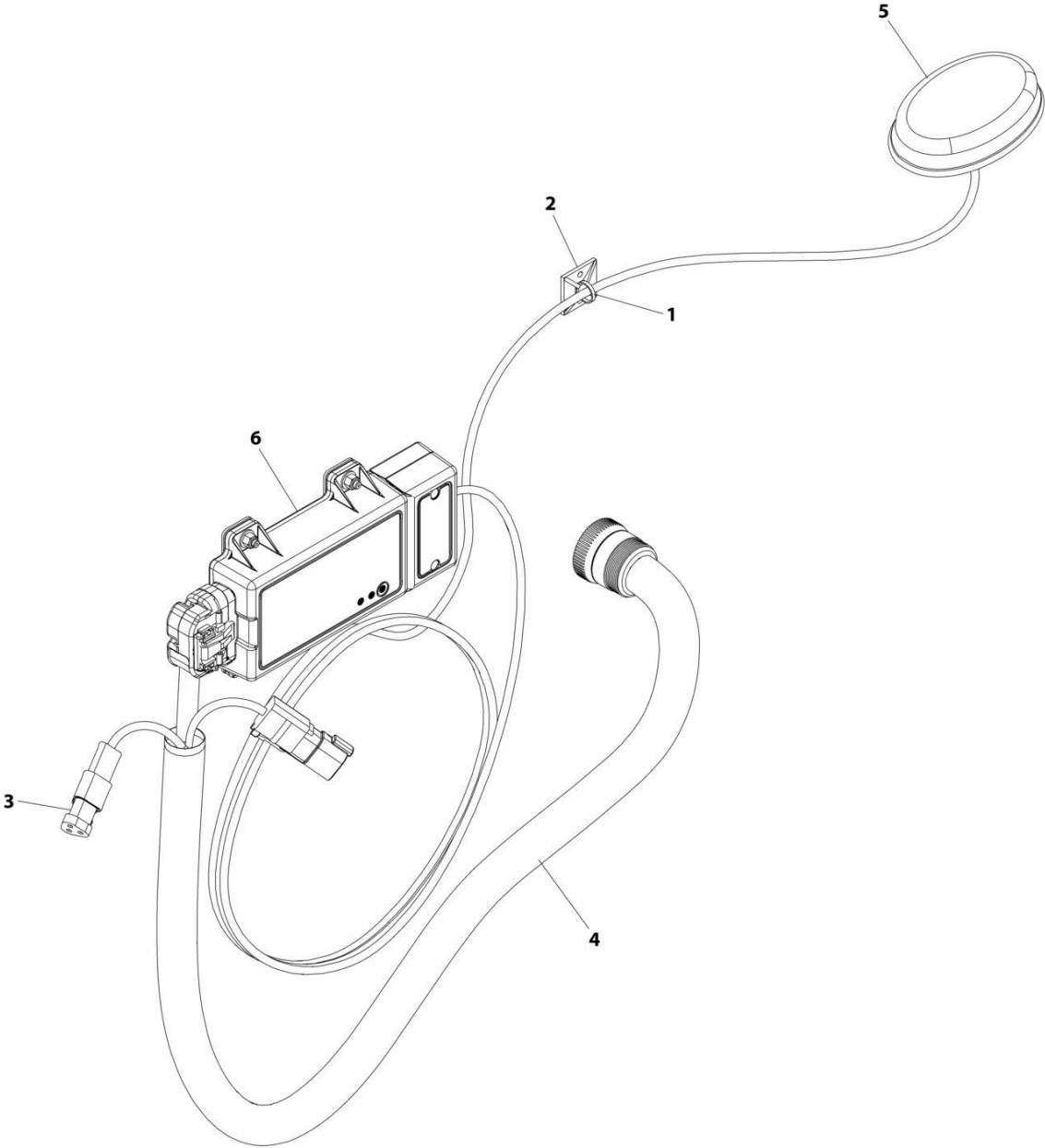
SECTION 8 - ELECTRICAL

FIGURE 8-35. CLEARSKY INSTALLATION - 4G CANBUS CONNECTION (ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227453	Ref	CLEARSKY INSTALLATION - CANBUS	C
1	4240032	AR	Tie-Strap	
2	4460234	AR	Cable Tie	
3	1001129408	1	Connector	
4	1001226739	1	ClearSky Harness (See Separate Breakdown in ELECTRICAL Section)	
5	1001262322	1	Telematics Control Module (Note: Re-calibration Required when Replaced)	
6	1001262326	1	Antenna	

SECTION 8 - ELECTRICAL

FIGURE 8-36. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (ANSI EXPORT, CE, JAPANESE & UK CA SPECS)



ART_1001228955

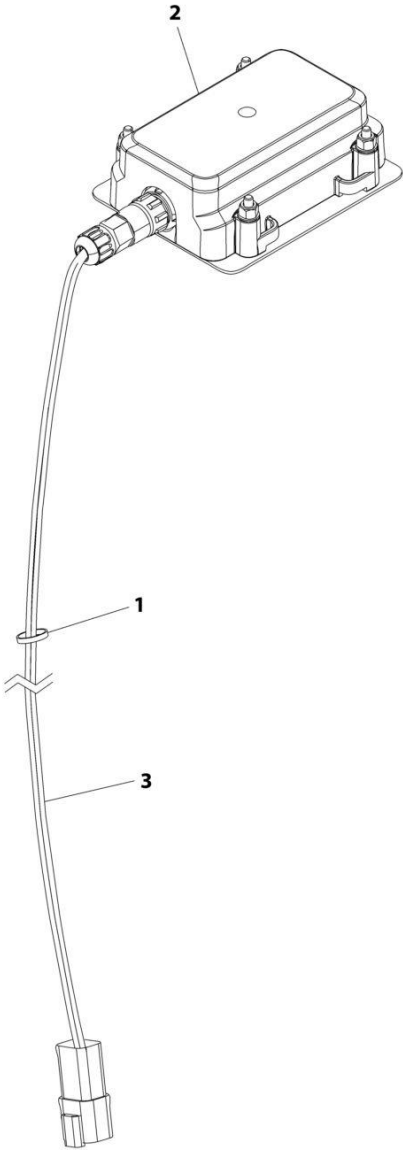
SECTION 8 - ELECTRICAL

FIGURE 8-36. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (ANSI EXPORT, CE, JAPANESE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228955	Ref	CLEARSKY INSTALLATION - CANBUS	A
1	4240032	AR	Tie-Strap	
2	4460234	AR	Cable Tie	
3	1001116815	1	Connector	
4	1001226739	1	ClearSky Harness (See Separate Breakdown in ELECTRICAL Section)	
5	1001226799	1	Antenna	
6	1001228954	1	Telematics Control Module (Note: Re-calibration Required when Replaced)	

SECTION 8 - ELECTRICAL

FIGURE 8-37. CLEARSKY INSTALLATION 3-WIRE GT1030 CONNECTION (ALL SPECS)



ART_1001276610

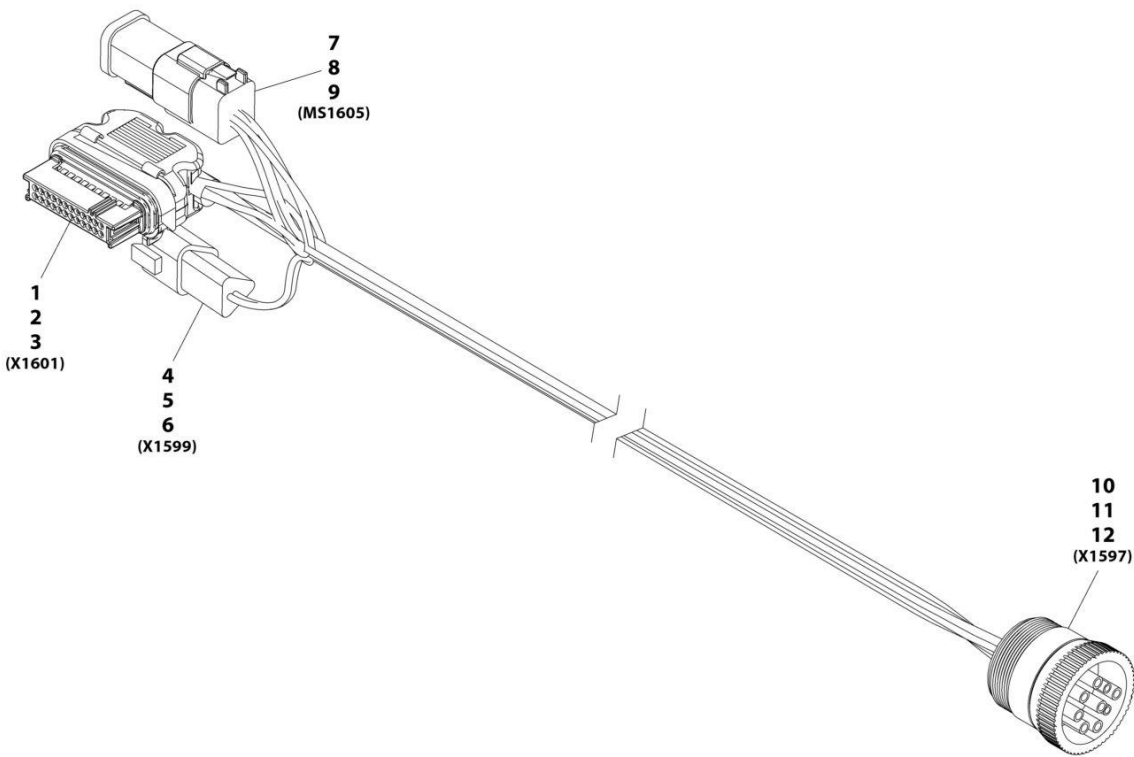
SECTION 8 - ELECTRICAL

FIGURE 8-37. CLEARSKY INSTALLATION 3-WIRE GT1030 CONNECTION (ALL SPECS)

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 8-38. CLEARSKY HARNESS - 3G & 4G CANBUS CONNECTIONS



ART_1001226739-A

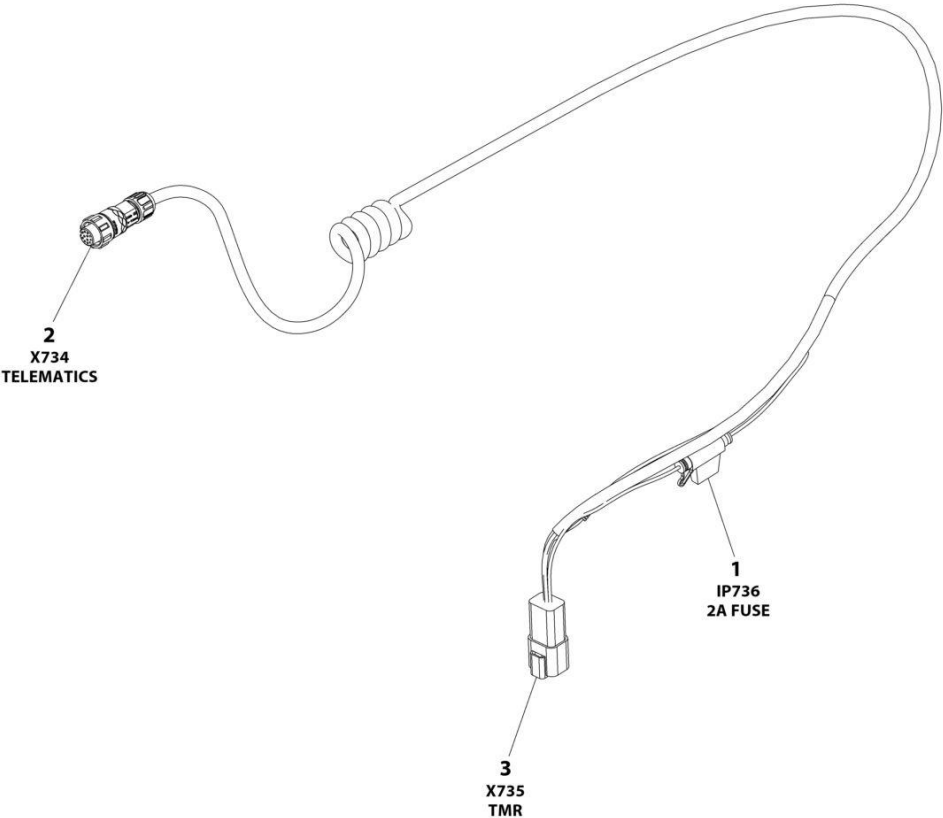
SECTION 8 - ELECTRICAL

FIGURE 8-38. CLEARSKY HARNESS - 3G & 4G CANBUS CONNECTIONS

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 8-39. CLEARSKY HARNESS - 3 WIRE GT1030



ART_1001273012

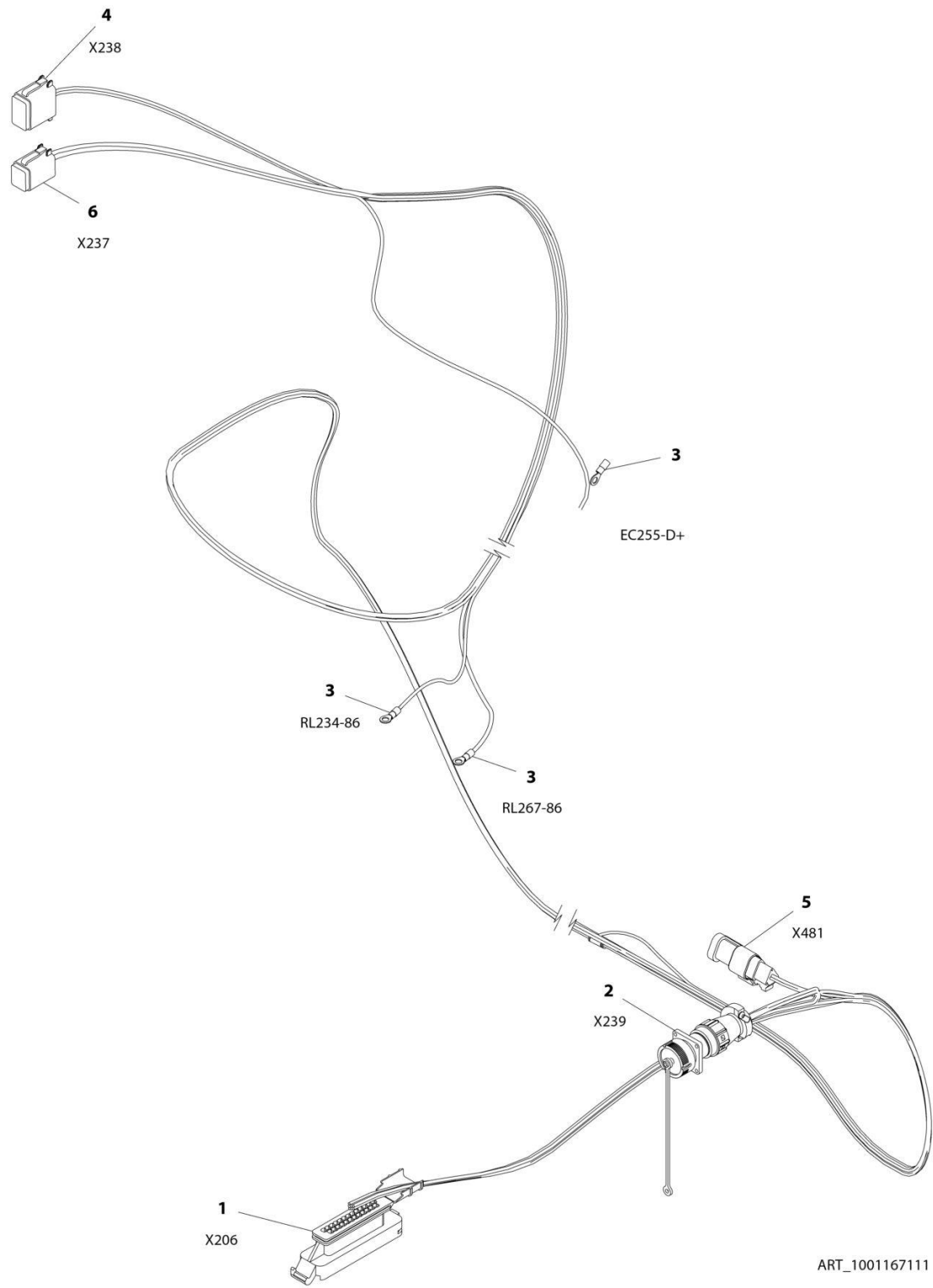
SECTION 8 - ELECTRICAL

FIGURE 8-39. CLEARSKY HARNESS - 3 WIRE GT1030

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 8-40. ENGINE HARNESS - DEUTZ D2011



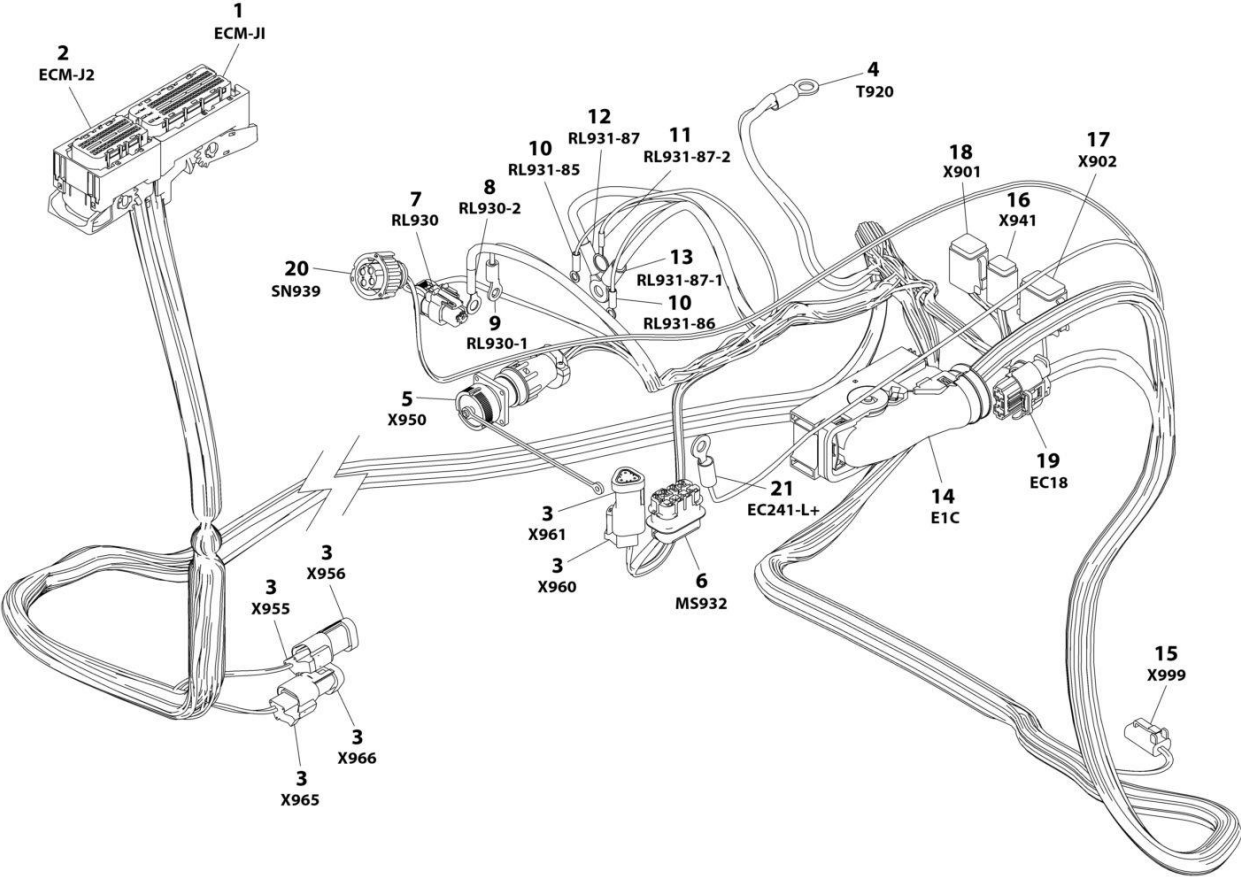
SECTION 8 - ELECTRICAL

FIGURE 8-40. ENGINE HARNESS - DEUTZ D2011

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167111	Ref	ENGINE HARNESS - DEUTZ D2011	B
1	4461052	1	Connector - 25 Position	
1	4461005	7	Terminal	
1	4461008	18	Plug, Terminal	
2	2902443	1	Receptacle Kit	
2	4461071	8	Socket, Female	
2	4461072	1	Receptacle with Flange - 8 Position	
2	4461073	1	Cap, Dust	
2	4461074	1	Shell, Black	
3	4460313	3	Terminal, Ring	
4	4460930	1	Plug, Male - 8 Position	
4	4460465	2	Socket, Female	
4	4460466	6	Seal, Terminal	
5	4461095	1	Plug, Male - 3 Position	
5	4460465	3	Socket, Female	
6	4460894	1	Plug, Male - 6 Position	
6	4460465	6	Socket, Female	

SECTION 8 - ELECTRICAL

FIGURE 8-41. ENGINE HARNESS - DEUTZ D2.9L4



ART_1001167108_L

SECTION 8 - ELECTRICAL

FIGURE 8-41. ENGINE HARNESS - DEUTZ D2.9L4

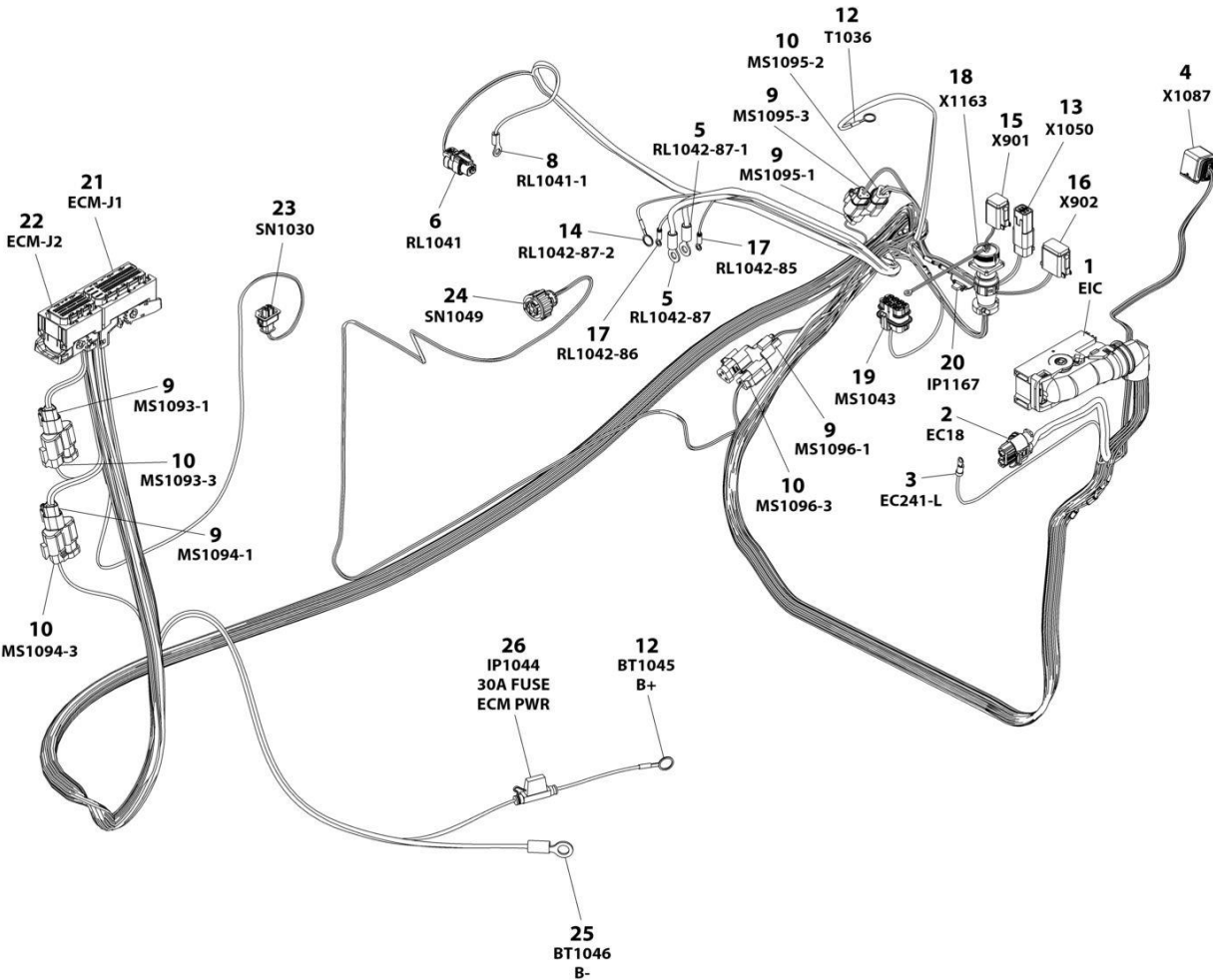
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167108	Ref	ENGINE HARNESS - DEUTZ D2.9L4	L
1	1001133956	1	Connector, 94 Position	
1	1001182361	6	Terminal	
1	1001126351	2	Terminal	
1	1001230934	17	Terminal	
1	1001230935	63	Plug, Terminal	
1	1001256507	4	Terminal	
1	1001230936	2	Plug, Terminal	
1	1001182365	6	Seal	
2	1001133957	1	Connector - 60 Position	
2	1001230936	11	Plug, Terminal	
2	1001126351	13	Terminal	
2	1001230935	19	Plug, Terminal	
2	1001230934	11	Terminal	
2	1001252527	4	Terminal	
2	1001256507	2	Terminal	
3	4461095	3	Plug, Male - 3 Position	
3	4460944	6	Socket, Female	
3	4460466	3	Plug, Terminal	
3	4461070	3	Connector, Female with Resistor 3 Position	
4	8220115	1	Terminal, Ring	
5	2902443	1	Receptacle Kit	
5	4461071	8	Socket, Female	
5	4461072	1	Receptacle with Flange - 8 Position	
5	4461073	1	Cap, Dust	
5	4461074	1	Shell, Black	
6	80484084	1	Connector - 8 Position	
6	4460746	3	Terminal	
6	1001234800	1	Terminal	
6	4460748	4	Plug, Terminal	
6	4460458	4	Seal	
6	8229242	1	Fuse - 5Amp	
6	80983191	1	Fuse - 10Amp	
6	1001147264	1	Cap	
7	1001116952	1	Plug, Male - 2 Position	
7	4460465	2	Socket, Female	
8	1001117106	1	Terminal, Ring	
9	4460043	1	Terminal, Ring	
10	4460247	2	Terminal, Ring	
11	4460703	1	Terminal, Ring	
12	8220164	1	Terminal, Ring	
13	1001117107	1	Terminal, Ring	
14	1001126362	1	Connector - 62 Position	
14	1001126363	25	Terminal	
14	1001126391	21	Seal, Terminal	
14	1001126392	10	Terminal	
14	4461008	4	Seal, Terminal	
14	1001126365	2	Terminal	
14	1001223459	10	Seal, Terminal	
14	1001126364	23	Seal, Terminal	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
14	1001256506	2	Seal, Terminal	
14	4461054	2	Seal, Terminal	
15	4460891	1	Plug, Male - 2 Position	
15	4460465	2	Socket, Female	
16	1001220379	1	Plug, Male - 4 Position	
16	4460465	2	Socket, Female	
16	4460942	2	Socket, Female	
17	4460930	1	Plug, Male - 8 Position	
17	4460465	1	Socket, Female	
17	4460466	7	Seal, Terminal	
18	4460894	1	Plug, Male - 6 Position	
18	4460465	3	Socket, Female	
18	4460944	2	Socket, Female	
18	4460466	1	Plug, Terminal	
19	1001142938	1	Connector - 2 Position	
19	1001142940	2	Terminal	
19	1001142941	2	Seal, Terminal	
20	1001133714	1	Plug, Male - 4 Position	
20	1001133715	3	Terminal	
20	1001135651	1	Plug, Terminal	
20	1001135650	3	Seal	
21	4460042	1	Terminal, Ring	

SECTION 8 - ELECTRICAL

FIGURE 8-42. ENGINE HARNESS - DEUTZ D2.9L4 (STAGE V) ENGINE



ART_1001276643

SECTION 8 - ELECTRICAL

FIGURE 8-42. ENGINE HARNESS - DEUTZ D2.9L4 (STAGE V) ENGINE

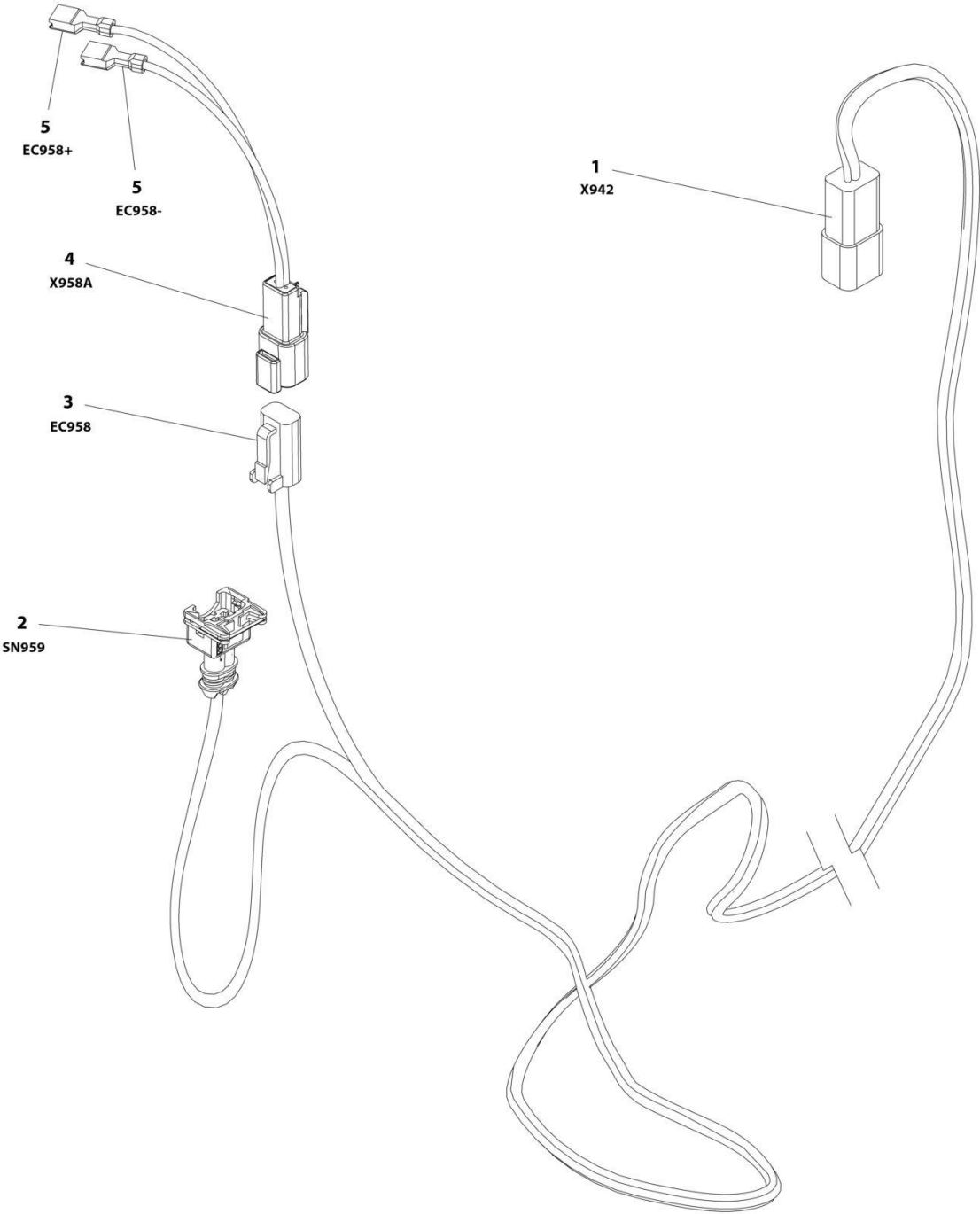
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276643	Ref	ENGINE HARNESS - DEUTZ D2.9L4 (STAGE V) ENGINE	B
1	1001126362	1	Connector	
1	1001126363	37	Socket	
1	1001126391	7	Plug, Terminal	
1	1001126392	12	Socket	
1	4461008	4	Plug, Terminal	
1	1001167632	2	Socket	
1	1001126364	37	Plug, Terminal	
1	1001223459	12	Seal	
1	4461054	2	Seal	
2	1001142938	1	Connector	
2	1001142940	2	Socket	
2	1001142941	2	Seal	
3	4460042	1	Terminal, Ring	
4	1001239202	1	Connector	
4	1001126363	7	Socket	
4	1001126391	1	Plug, Terminal	
4	1001126364	7	Plug, Terminal	
5	1001117107	2	Terminal, Ring	
6	1001116952	1	Connector	
6	4460465	2	Socket	
8	4460043	1	Terminal, Ring	
9	1001116812	5	Connector	
9	4460944	10	Socket	
9	4460466	5	Plug, Terminal	
10	4460539	4	Connector	
10	4460944	8	Socket	
10	4460466	4	Plug, Terminal	
12	4460019	2	Terminal, Ring	
13	4460884	1	Connector	
13	4460465	2	Socket	
13	4460942	2	Socket	
14	4460703	1	Terminal, Ring	
15	4460894	1	Connector	
15	4460466	2	Plug, Terminal	
15	4460465	2	Socket	
15	4460944	2	Socket	
16	4460930	1	Connector	
16	4460465	1	Socket	
16	4460466	7	Plug, Terminal	
17	4460247	2	Terminal, Ring	
18	2902443	1	Receptacle Kit	
18	4461071	8	Socket	
18	4461072	1	Receptacle with Flange - 8 Position	
18	4461073	1	Cap, Dust	
18	4461074	1	Shell, Black	
19	80484084	1	Connector	
19	4460748	4	Plug, Socket	
19	4460746	3	Socket	
19	1001234800	1	Socket	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	4460458	4	Seal	
20	1001170764	1	Holder, Fuse	
20	1001197719	1	Fuse 0.5 Watt	
21	1001133956	1	Connector	
21	1001182361	6	Socket	
21	1001126351	3	Socket	
21	1001230934	23	Socket	
21	1001230935	57	Pin	
21	1001230936	1	Pin	
21	1001252527	4	Socket	
21	1001182365	6	Seal	
22	1001133957	1	Connector	
22	1001230936	11	Pin	
22	1001126351	13	Socket	
22	1001230935	10	Pin	
22	1001230934	26	Socket	
23	1001126487	1	Connector	
23	1001167635	2	Socket	
23	1001126485	2	Seal	
24	1001133714	1	Connector	
24	1001133715	3	Socket	
24	1001135651	1	Plug, Terminal	
24	1001135650	2	Seal	
25	4460115	1	Terminal, Ring	
26	1001172064	1	Fuse Holder (Includes Cover)	
26	1001172065	1	Fuse 30Amp	

SECTION 8 - ELECTRICAL

FIGURE 8-43. FUEL HARNESS - DEUTZ D2.9L4 ENGINE



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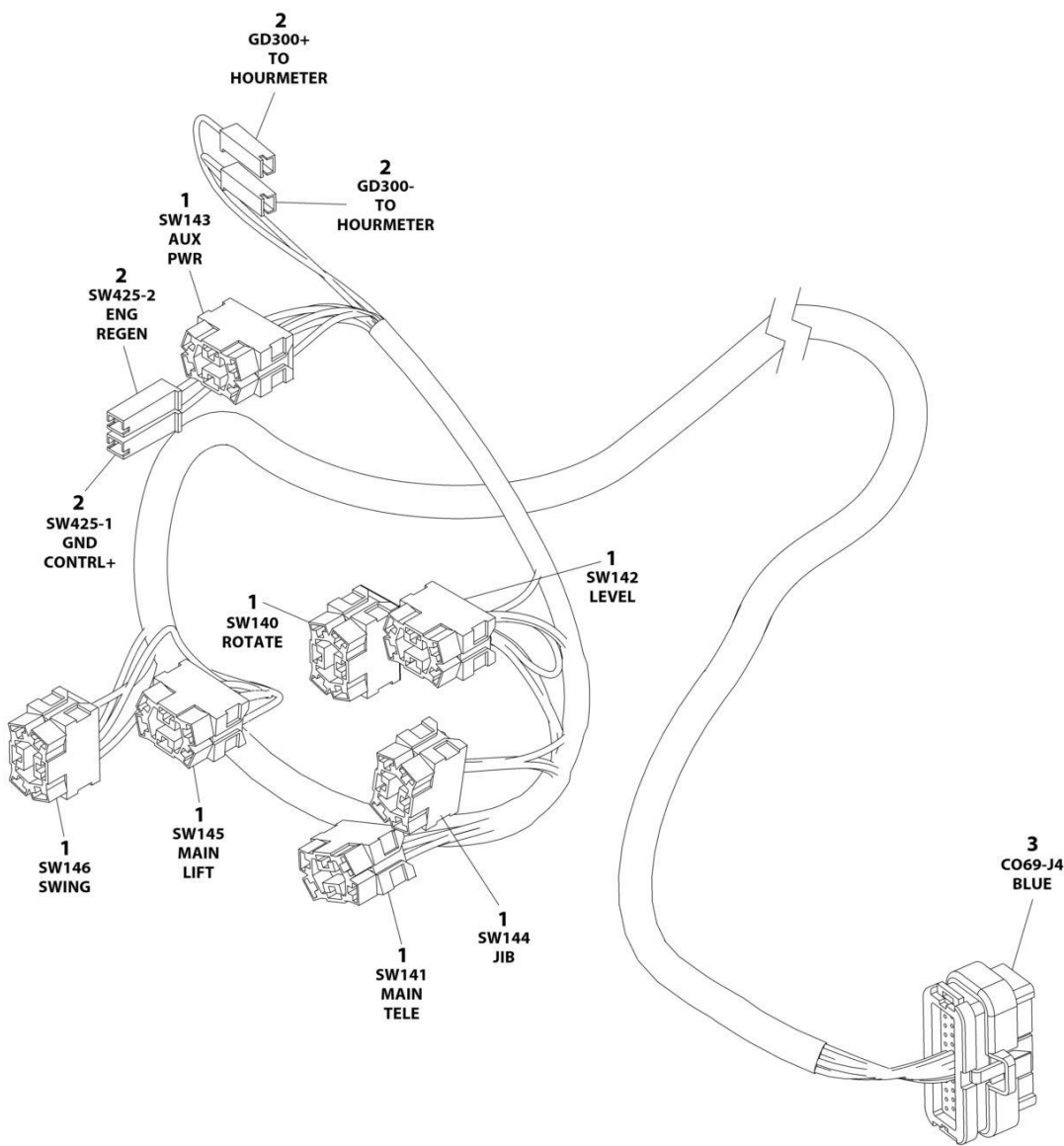
SECTION 8 - ELECTRICAL

FIGURE 8-43. FUEL HARNESS - DEUTZ D2.9L4 ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173342	Ref	FUEL HARNESS - DEUTZ D2.9L4 ENGINE	C
1	4460932	1	Receptacle, Female - 4 Position	
1	4460464	2	Pin, Male	
1	4460941	2	Pin, Male	
2	1001116983	1	Plug, Male - 2 Position	
2	1001116710	2	Socket, Female	
3	4460891	1	Plug, Male - 2 Position	
3	4460942	2	Socket, Female	
4	4460897	1	Receptacle, Female - 2 Position	
4	4460941	2	Pin, Male	
5	8220051	2	Coupler, Female	

SECTION 8 - ELECTRICAL

FIGURE 8-44. GROUND CONTROL BOX HARNESS



ART_1001299766

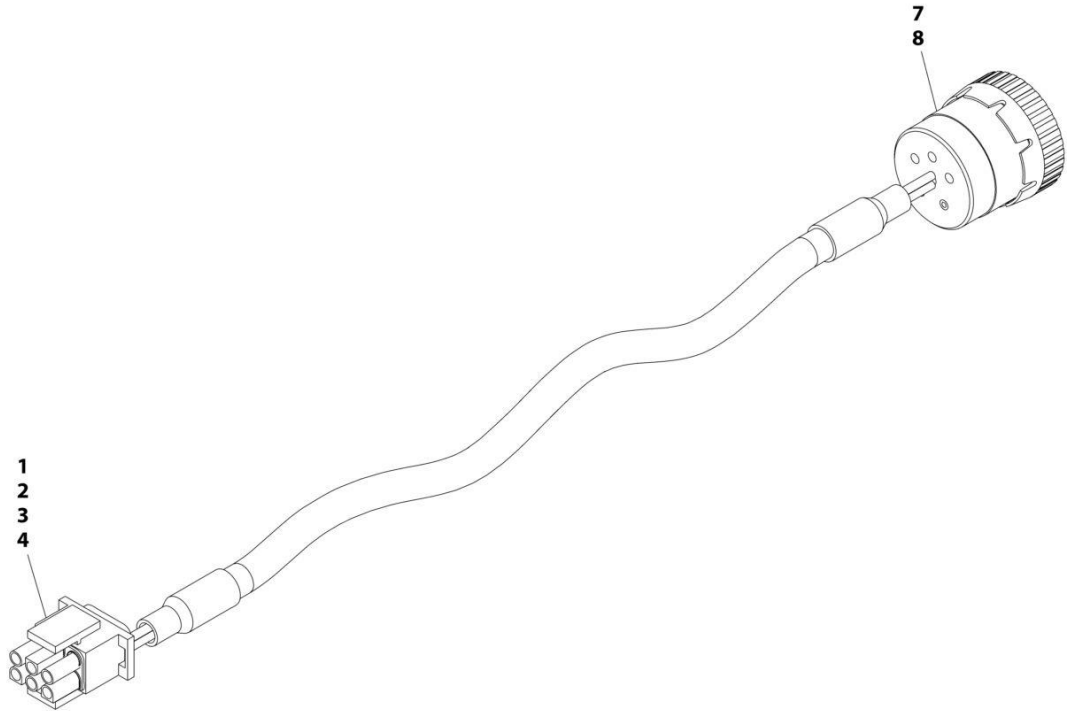
SECTION 8 - ELECTRICAL

FIGURE 8-44. GROUND CONTROL BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001299766	Ref	GROUND CONTROL BOX HARNESS	A
1	4460418	7	Connector	
1	1001159186	14	Socket	
1	4460419	7	Socket	
2	4460260	4	Connector	
2	4460259	4	Socket	
3	4460876	1	Connector	
3	4460871	18	Socket	
3	4460905	17	Plug	

SECTION 8 - ELECTRICAL

FIGURE 8-45. GENERATOR HARNESS - 4000W GENERATOR



ART_1001152532

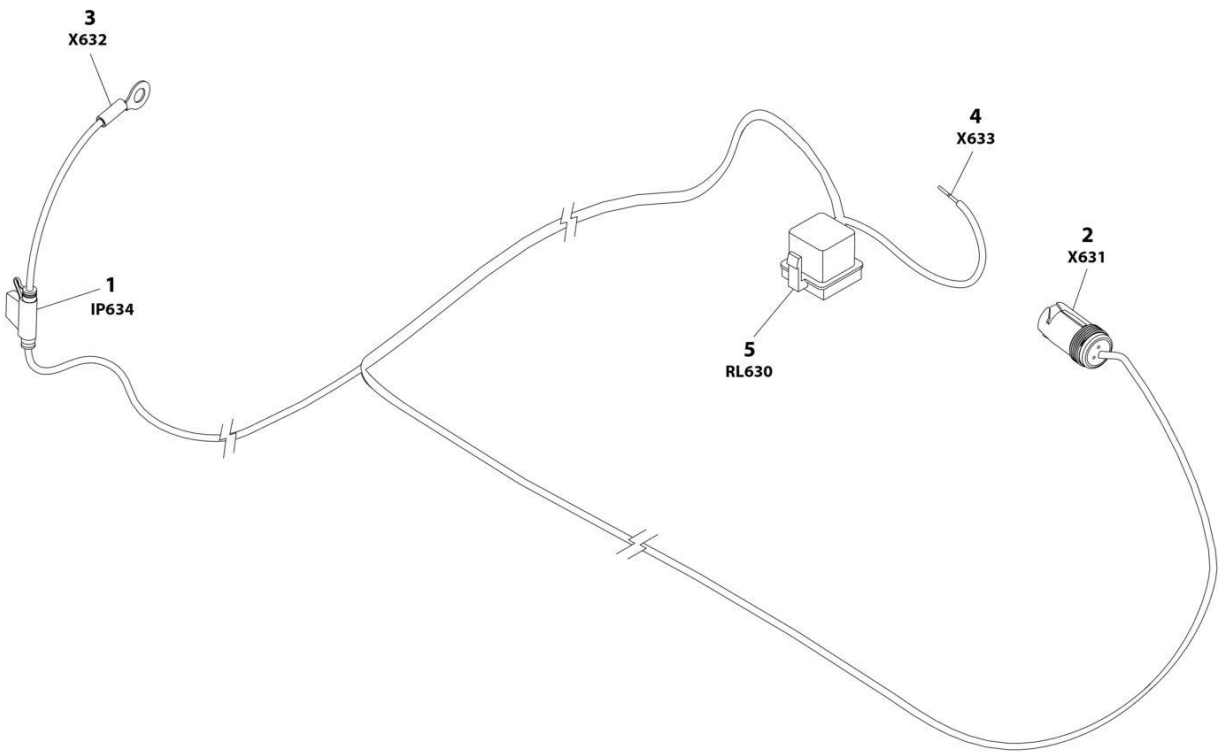
SECTION 8 - ELECTRICAL

FIGURE 8-45. GENERATOR HARNESS - 4000W GENERATOR

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 8-46. GENERATOR HARNESS - 2500W GENERATOR (60HZ)



ART_1001187522

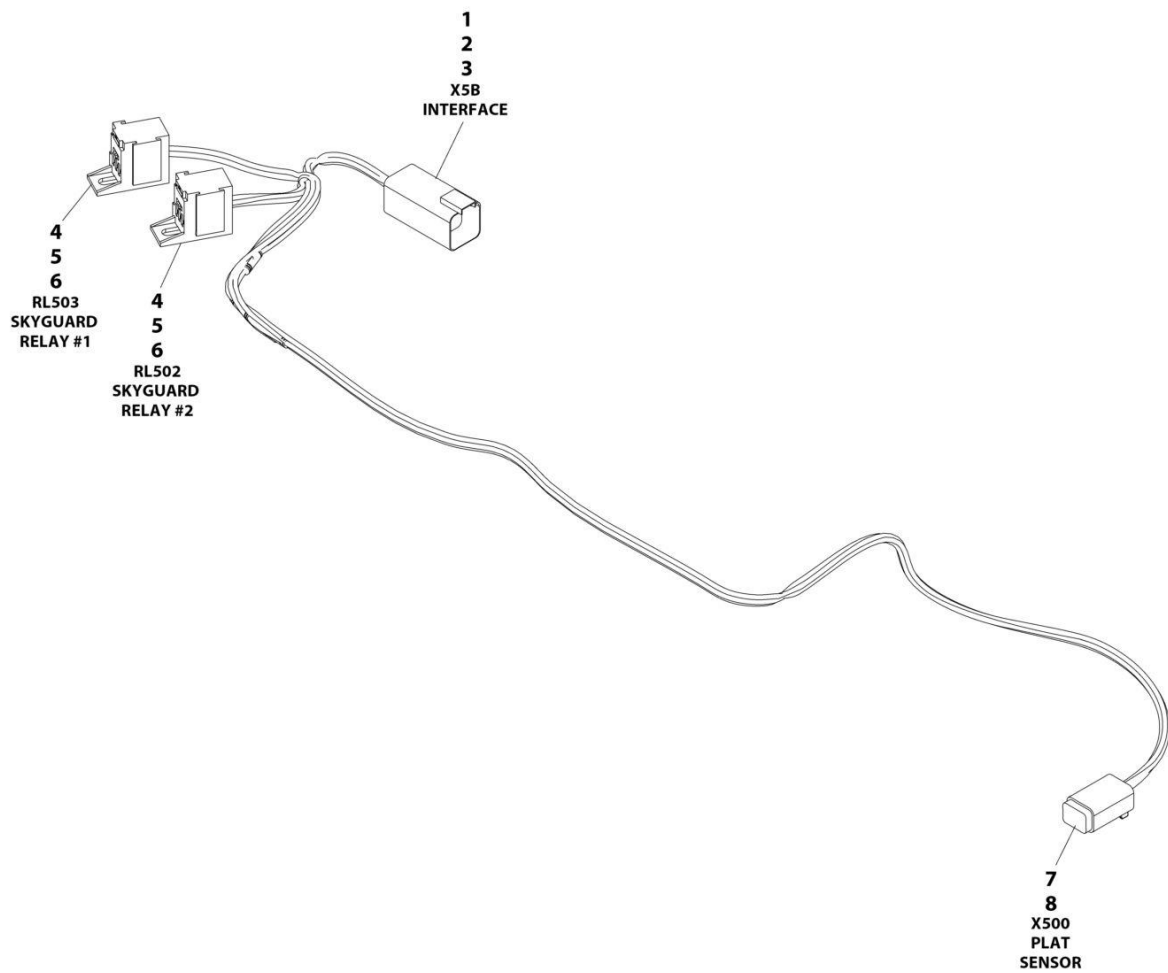
SECTION 8 - ELECTRICAL

FIGURE 8-46. GENERATOR HARNESS - 2500W GENERATOR (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187522	Ref	GENERATOR HARNESS - 2500W	B
1	2400066	1	Fuseholder - 30Amp (Includes Cover)	
1	8229245	1	Fuse 30Amp	
2	1001154726	1	Receptacle, Female - 3 Position	
2	4460464	2	Pin, Male	
2	4460466	1	Plug, Terminal	
3	8220045	1	Terminal, Ring	
4	4460906	1	Socket, Female	
5	1001117057	1	Connector, Relay	
5	1001116734	2	Terminal	
5	1001116732	2	Terminal	
5	3740080	1	Relay	

SECTION 8 - ELECTRICAL

FIGURE 8-47. INTERFACE HARNESS - WITH 1 CELL LSS



ART_1001225580_E

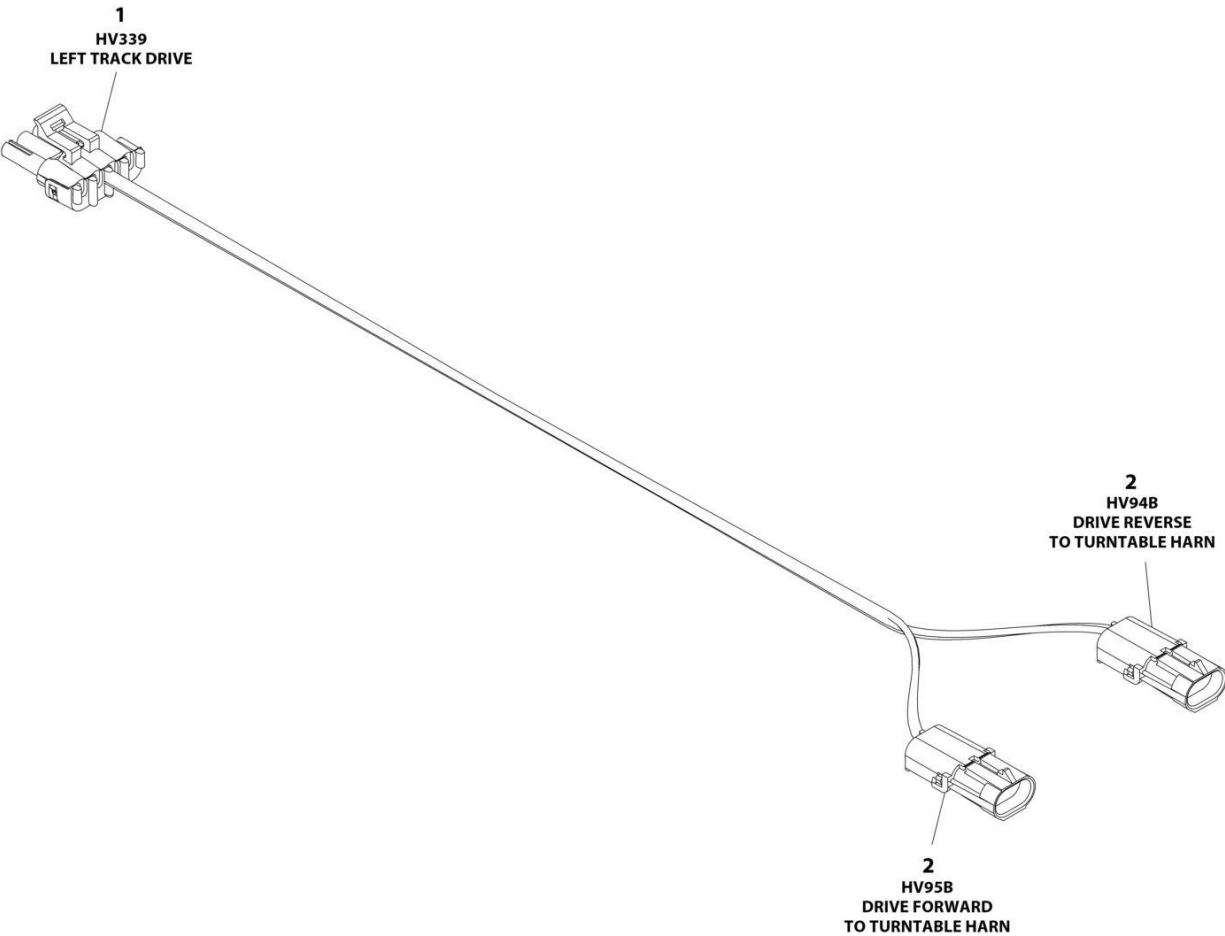
SECTION 8 - ELECTRICAL

FIGURE 8-47. INTERFACE HARNESS - WITH 1 CELL LSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225580	Ref	PLATFORM INTERFACE HARNESS - WITH 1 CELL LSS	E
1	4460899	1	Connector	
2	4460464	4	Terminal	
3	4460466	2	Plug	
4	1001186432	2	Connector	
5	1001253375	4	Terminal	
6	1001104519	4	Terminal	
7	4460884	1	Connector	
8	4460465	4	Terminal	

SECTION 8 - ELECTRICAL

FIGURE 8-48. LEFT DRIVE HARNESS



ART_1001238256

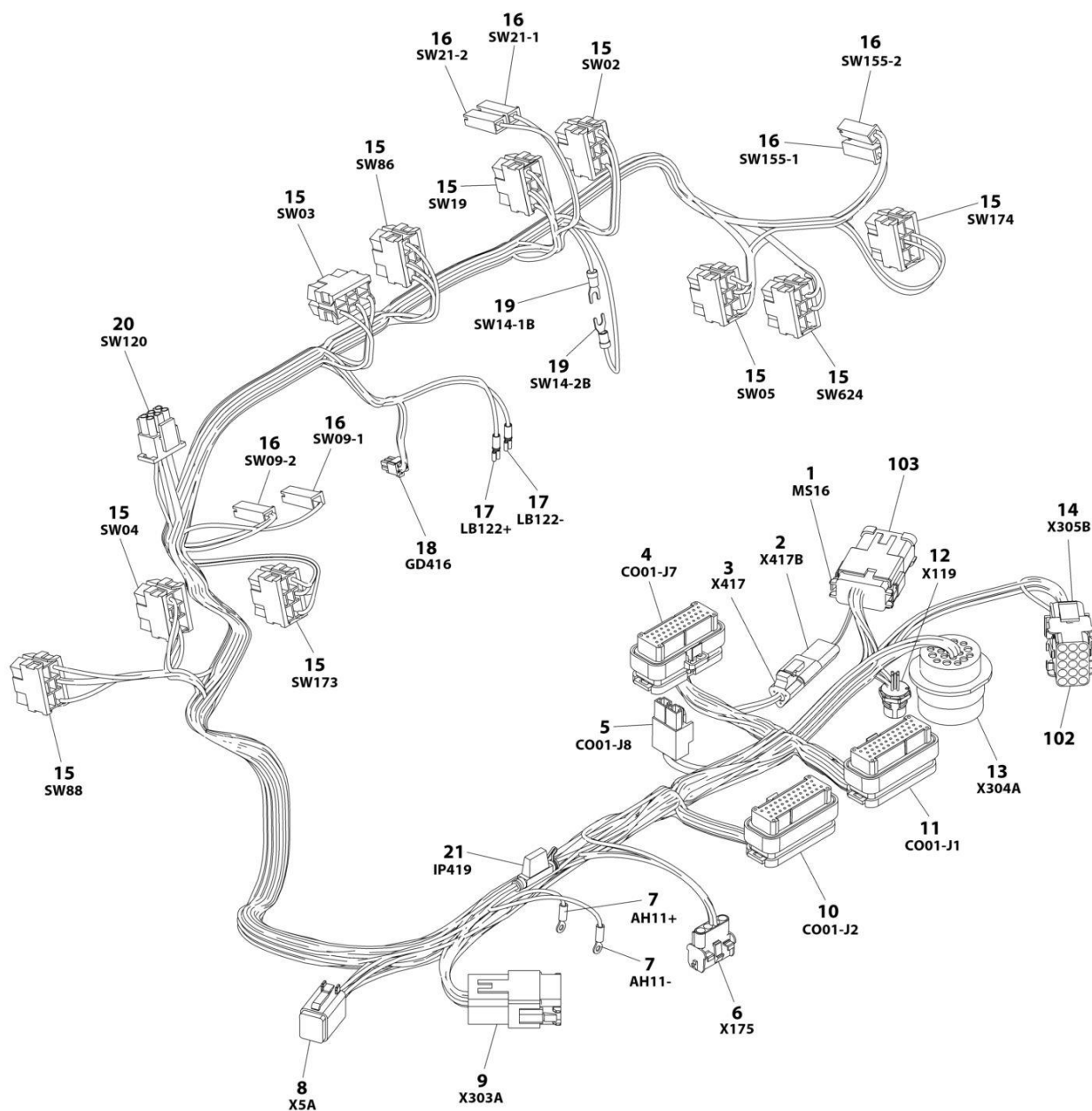
SECTION 8 - ELECTRICAL

FIGURE 8-48. LEFT DRIVE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238256	Ref	LEFT DRIVE HARNESS	B
1	4460460	1	Terminal, Female (HV339 – Left Track Drive)	
1	4460475	4	Pin, Male	
1	4460458	4	Seal, Terminal	
2	4461157	2	Connector - 2 Position (HV94B)	
2	4460979	4	Pin, Male	
2	4460458	4	Seal, Terminal	

SECTION 8 - ELECTRICAL

FIGURE 8-49. PLATFORM CONSOLE BOX HARNESS



ART_1001238254

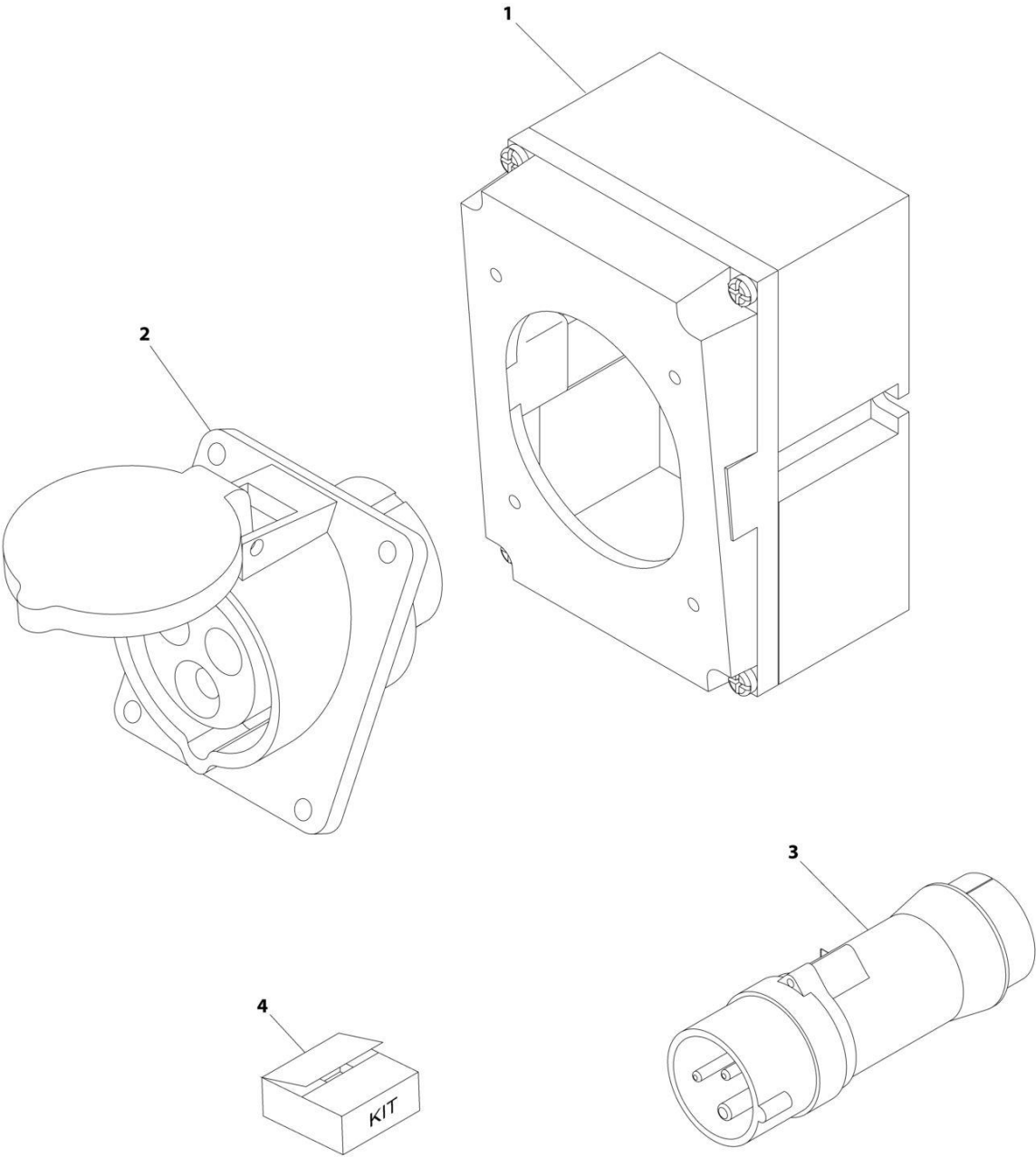
SECTION 8 - ELECTRICAL

FIGURE 8-49. PLATFORM CONSOLE BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238254	Ref	PLATFORM CONSOLE BOX HARNESS	I
1	4460933	1	Plug, Male - 12 Position	
1	4460465	10	Socket, Female	
1	4460466	2	Plug, Terminal	
2	4460536	1	Receptacle, Female - 3 Position	
2	4460464	2	Pin, Male	
2	4460466	1	Plug, Terminal	
3	4460539	1	Plug, Male - 3 Position	
3	4460465	2	Socket, Female	
3	4460466	1	Plug, Terminal	
4	4460873	1	Connector - 35 Position	
4	4460871	21	Socket, Female	
4	4460905	14	Plug, Terminal	
5	4460879	1	Plug, Male - 2 Position	
5	4460887	2	Terminal	
6	4460761	1	Receptacle, Female - 4 Position	
6	4460267	4	Pin, Male	
7	1001098122	2	Terminal, Ring	
8	4460894	1	Plug, Male - 6 Position	
8	4460465	6	Socket, Female	
9	4460970	1	Receptacle, Female - 12 Position	
9	1001116693	11	Pin, Male	
9	4460466	1	Plug, Terminal	
10	4460875	1	Connector - 35 Position	
10	4460871	12	Socket, Female	
10	4460905	23	Plug, Terminal	
11	4460874	1	Connector - 35 Position	
11	4460871	27	Socket, Female	
11	4460905	8	Plug, Terminal	
12	1001213447	1	Connector - 4 Position	
12	See Note	NSS	Terminal (Note: Purchase p/n 1001213447)	
13	4460866	1	Connector - 19 Position	
13	4460464	5	Pin, Male	
13	4460466	11	Plug, Terminal	
13	4460508	1	Pin, Male	
14	4460434	1	Connector - 15 Position	
14	4460267	8	Pin. Male	
15	4460418	10	Connector - 6 Position	
15	4460419	45	Terminal	
16	4460260	6	Housing, Terminal	
16	4460259	8	Terminal	
17	1001271497	2	Terminal	
18	1001237667	1	Plug, Male - 6 Position	
18	1001237668	4	Terminal	
19	4460183	2	Terminal, Fork	
20	4460225	1	Plug, Male - 6 Position	
20	4460227	6	Pin, Male (Note: Used on Pump Potentiometer Connection Only)	
21	2400060	1	Fuse Holder	
102	4460708	1	Connector, Bussbar - 15 Position	
103	1001125677	1	Connector, Bussbar - 12 Position	

SECTION 8 - ELECTRICAL

FIGURE 8-50. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)



ART_0275216

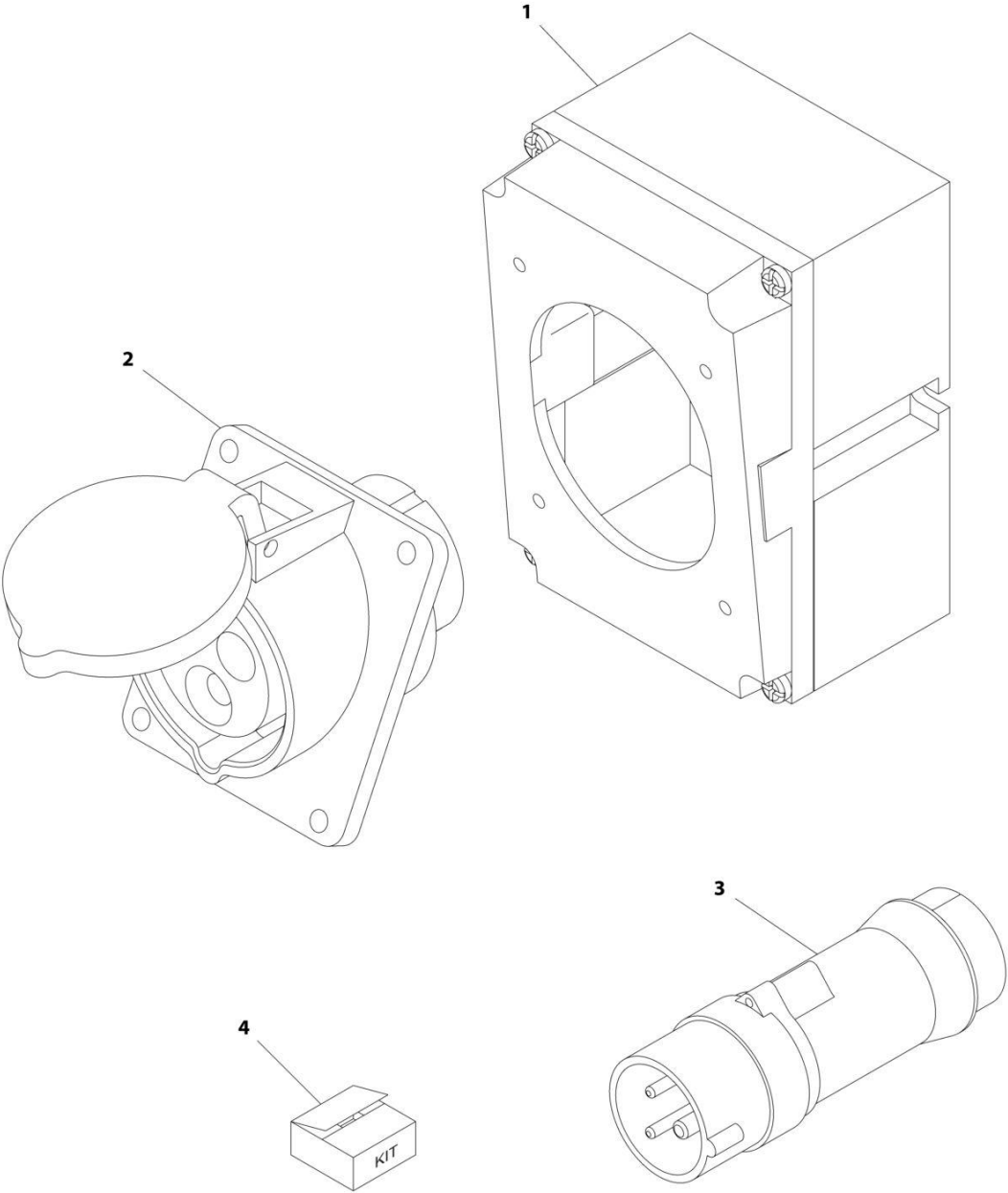
SECTION 8 - ELECTRICAL

FIGURE 8-50. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA 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 8-51. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)



ART_0275217

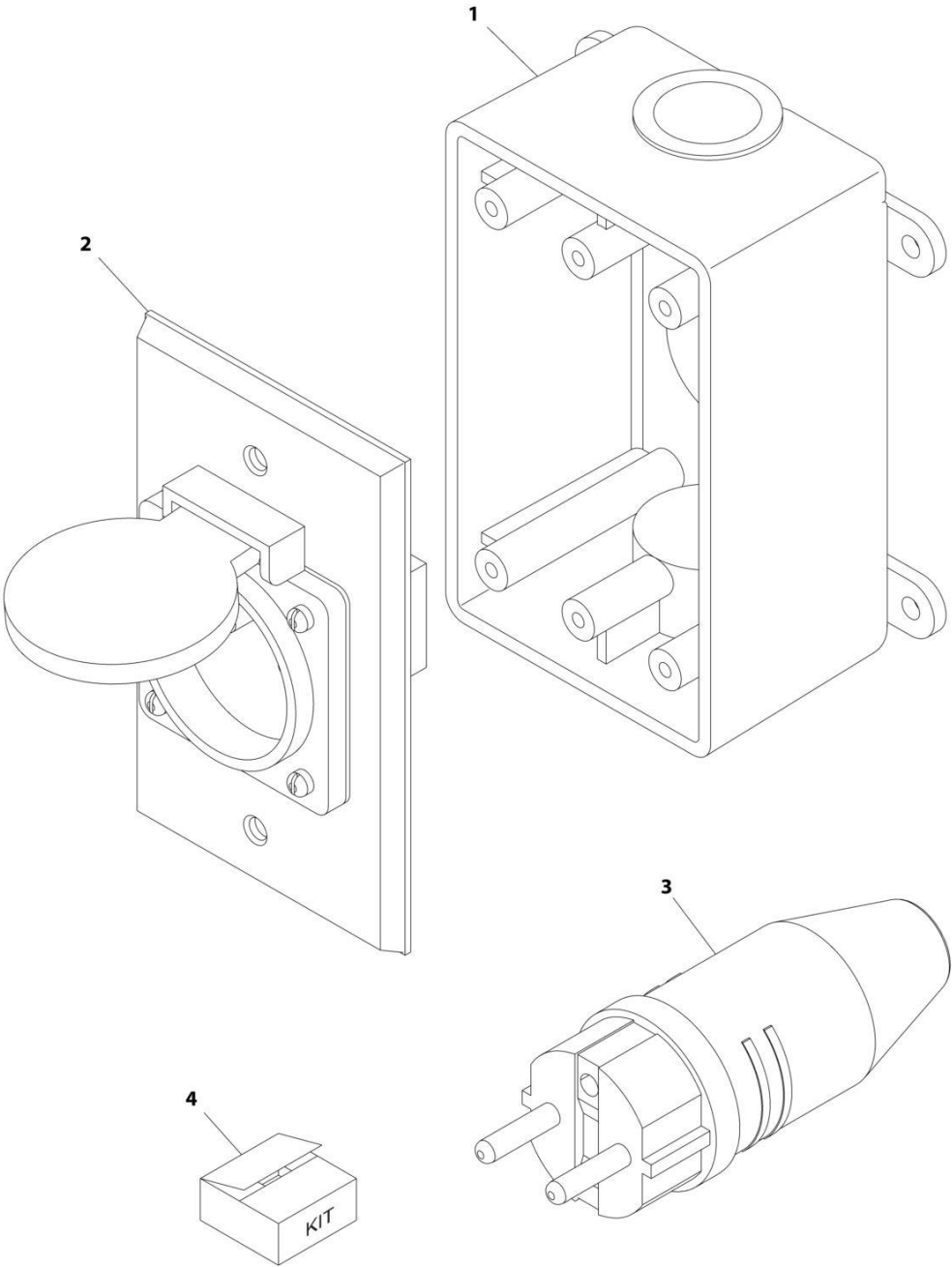
SECTION 8 - ELECTRICAL

FIGURE 8-51. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA 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 8-52. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN (CE & UK CA SPEC)



ART_0275452-C

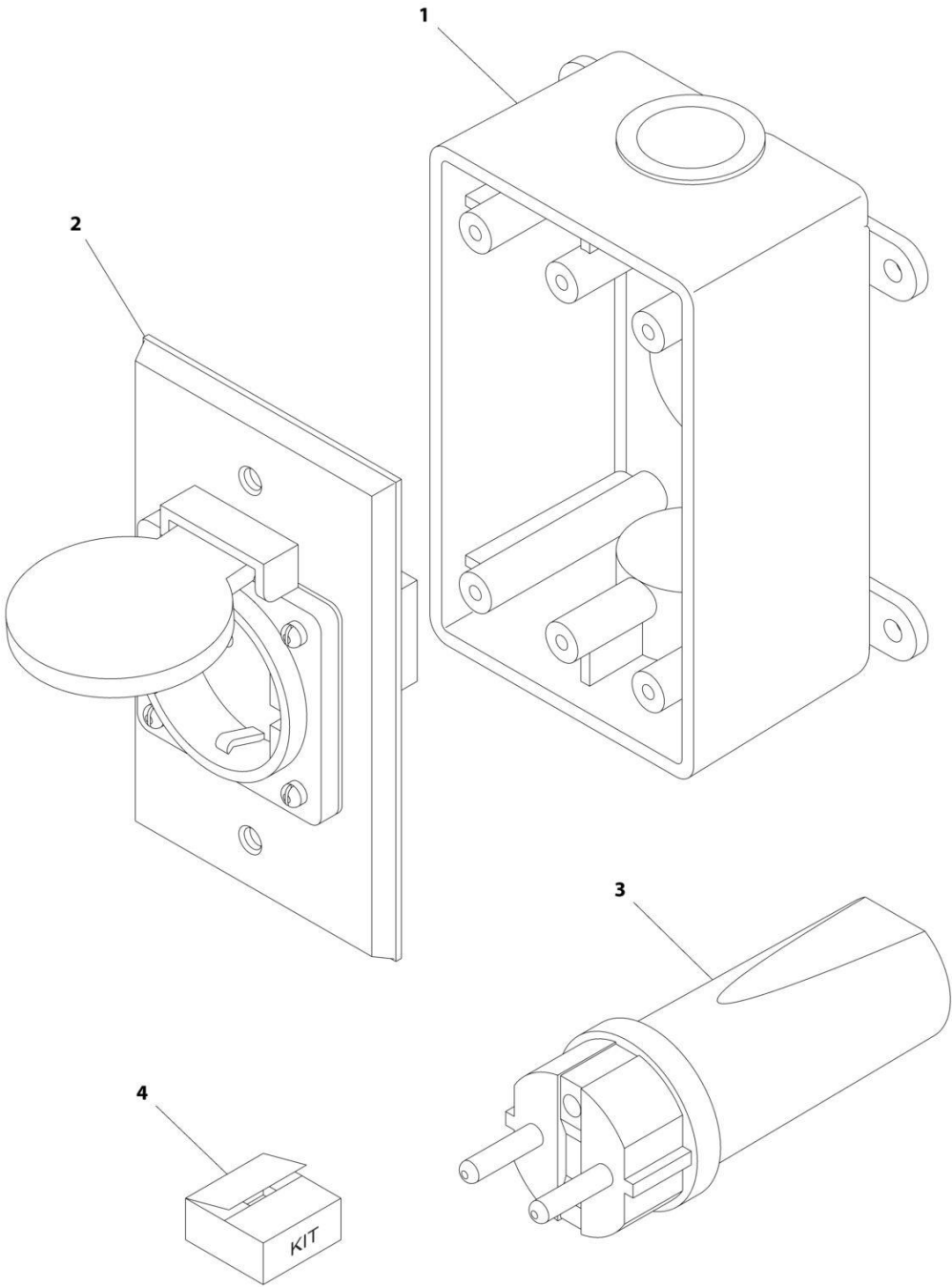
SECTION 8 - ELECTRICAL

FIGURE 8-52. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN (CE & UK CA 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 8-53. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN (CE & UK CA SPEC)



ART_0275453

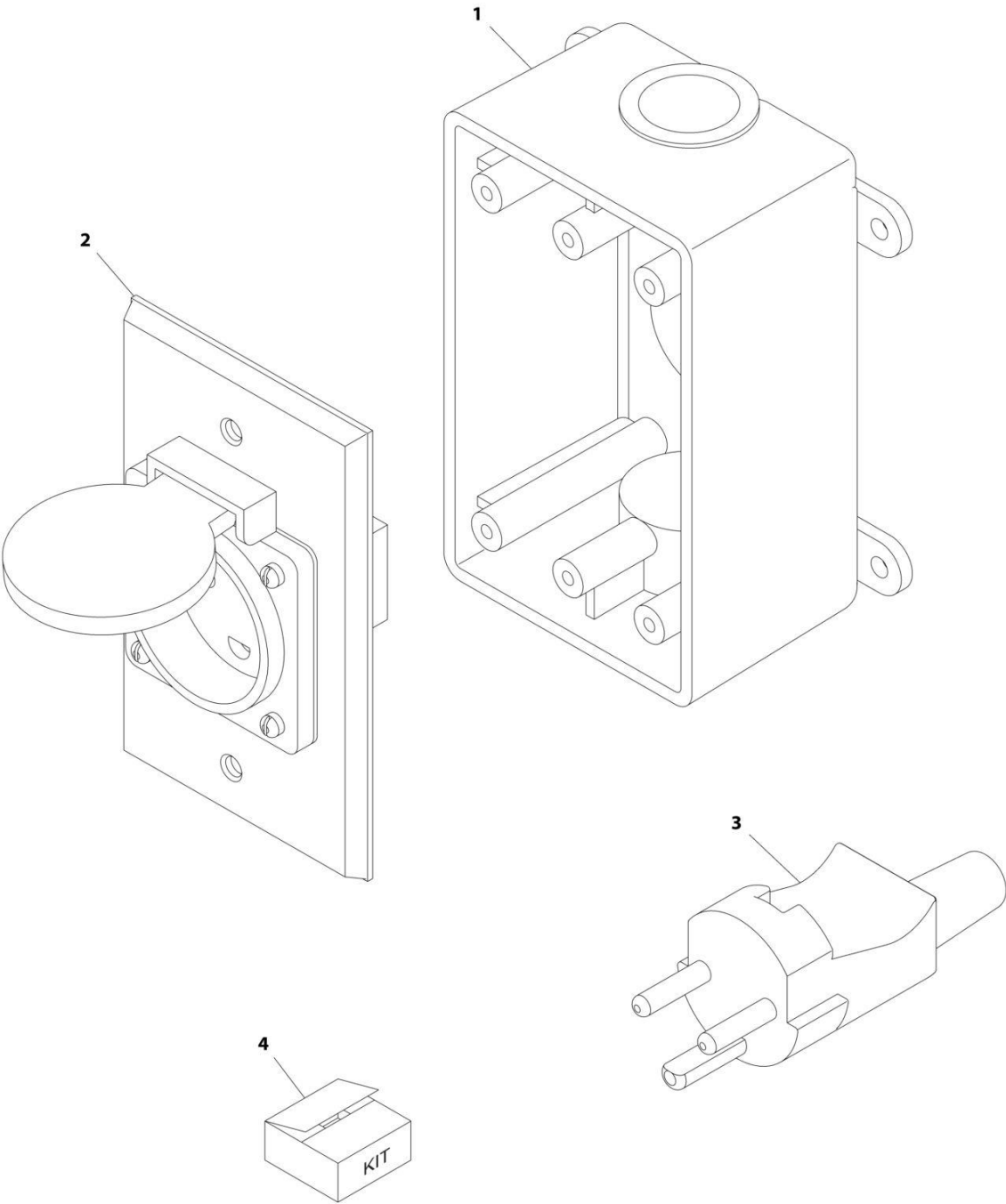
SECTION 8 - ELECTRICAL

FIGURE 8-53. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN (CE & UK CA 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 8-54. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)



ART_0275454

SECTION 8 - ELECTRICAL

FIGURE 8-54. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA 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)	

554

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SECTION 8 - ELECTRICAL

FIGURE 8-55. TURNTABLE HARNESS

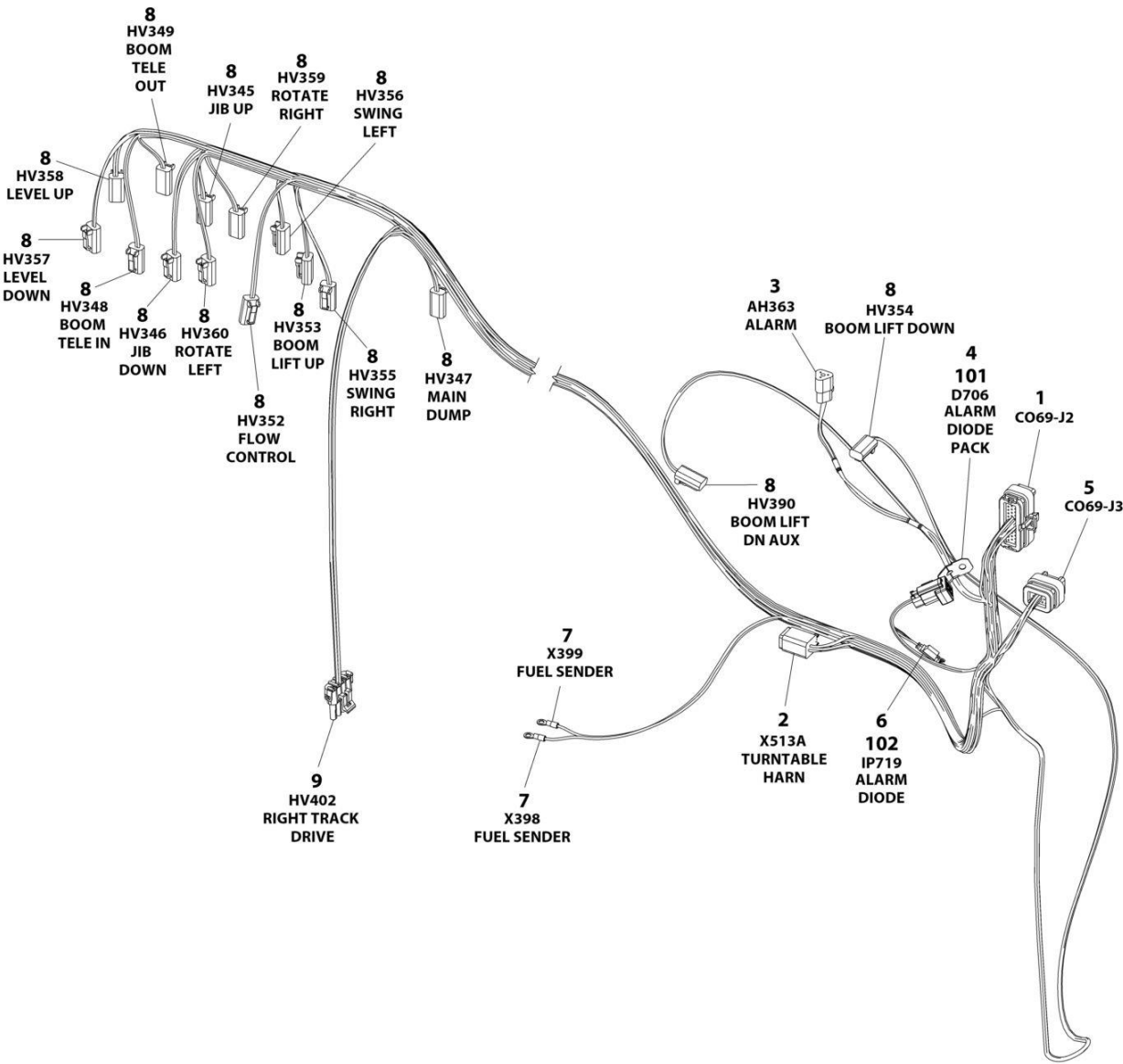
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301483	Ref	TURNTABLE HARNESS	A
1	4460894	6	Connector	
1	4460465	36	Socket	
2	4460967	1	Connector	
2	4460465	3	Socket	
3	4460931	1	Connector	
3	4460464	6	Socket	
3	4460466	2	Plug	
4	4460930	1	Connector	
4	4460465	6	Socket	
4	4460466	2	Plug	
5	4460878	1	Connector	
5	4460887	2	Socket	
6	4460884	1	Connector	
6	4460465	4	Socket	
7	4460930	1	Connector	
7	4460465	8	Socket	
8	1001246859	1	Connector	
8	4460871	4	Socket	
8	4460905	10	Plug	
9	4460874	1	Connector	
9	4460871	22	Socket	
9	4460905	13	Plug	
10	1001113961	1	Connector	
10	4460871	5	Socket	
10	4460905	3	Plug	
11	4460873	1	Connector	
11	4460871	25	Socket	
11	4460905	10	Plug	
12	1001103012	1	Connector	
12	1001107854	2	Socket	
12	1001196589	2	Socket	
12	1001104498	4	Seal	
13	1001144147	1	Connector	
13	4460943	2	Pin	
13	4460466	1	Plug	
14	1001119032	1	Connector	
14	1001118378	4	Socket	
15	1001237667	1	Connector	
15	1001237668	5	Socket	
16	4460042	2	Terminal, Ring	
17	4460183	2	Terminal, Ring	
18	1001196602	1	Fuse Box Assembly	
18	8229242	7	Fuse 5Amp	
18	8229244	2	Fuse 15AMP	
18	1001095704	2	Relay	
18	1001196634	2	Fuse - 2 Amp	
18	1001196636	2	Connector with Diode	
19	4460313	1	Terminal, Ring	
20	4460894	1	Connector	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
20	4460465	4	Socket	
20	4460466	2	Plug	
21	4460260	2	Connector	
21	4460259	2	Socket	
22	1001117106	1	Terminal, Ring (12AWG)	
23	1001187078	2	Terminal, Ring (18AWG)	
24	1001117110	2	Terminal, Ring (12AWG)	
25	1001187077	3	Terminal, Ring (18AWG)	
26	4460899	1	Connector	
26	4460464	3	Pin	
26	4460466	3	Plug	
27	4460866	1	Connector	
27	4460464	6	Pin (18AWG)	
27	4460508	2	Pin (12AWG)	
27	4460466	11	Plug	
28	1001112612	1	Connector	
28	4460464	5	Pin	
28	4460466	9	Plug	
29	4460933	1	Connector	
29	4460465	8	Socket	
29	4460466	4	Plug	
30	4460424	1	Connector	
30	4460226	2	Socket	
31	8220045	1	Terminal, Ring	
32	4460702	1	Terminal, Ring	
33	4460703	1	Terminal, Ring	
34	4460899	1	Connector	
34	4460464	5	Pin	
34	4460466	6	Plug	
35	4460931	1	Connector	
35	4460464	5	Pin	
35	4460466	3	Plug	
36	4460891	4	Connector	
36	4460465	8	Socket	
37	4460742	2	Connector	
37	4460458	4	Socket	
101	1001116815	1	Connector - 3 Position	
102	1001125677	1	Bussbar - 12 Position	
103	1001190921	1	Seal, Cover	
104	1001192401	1	Cap, Dust	
105	1001196604	1	Cover, Fuse Box	
106	1001226541	1	Bussbar - 6 Position	

SECTION 8 - ELECTRICAL

FIGURE 8-56. VALVE HARNESS - MAIN VALVE



ART_1001284823

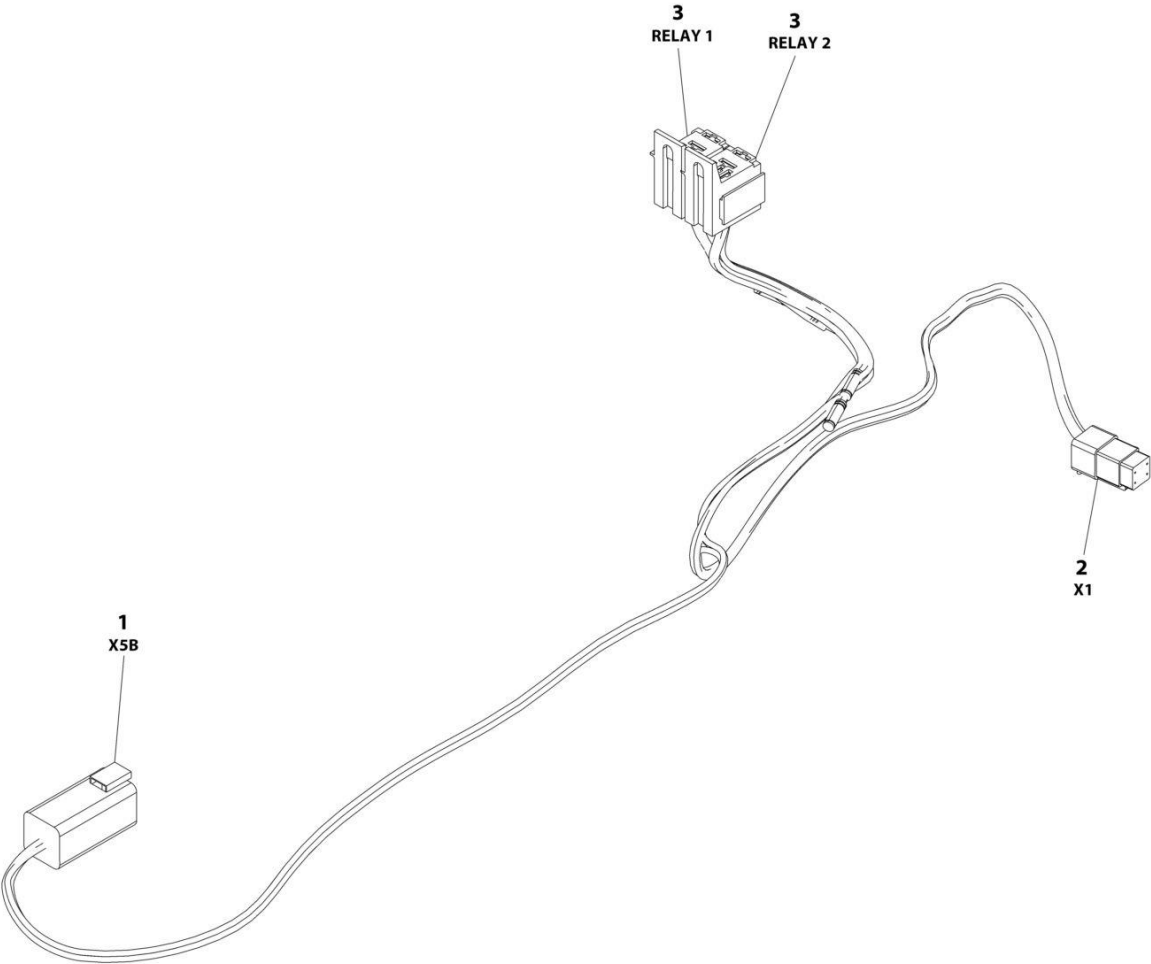
SECTION 8 - ELECTRICAL

FIGURE 8-56. VALVE HARNESS - MAIN VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284823	Ref	VALVE HARNESS	A
1	4460875	1	Connector	
1	4460871	26	Socket	
1	4460905	9	Plug	
2	4460894	1	Connector	
2	4460465	6	Socket	
3	4460539	1	Connector	
3	4460465	3	Socket	
4	4460884	1	Connector	
4	4460465	4	Socket	
5	4460872	1	Connector	
5	4460871	9	Socket	
5	4460905	5	Plug	
6	1001170764	1	Fuseholder	
7	4460313	2	Terminal, Ring	
8	4460891	15	Connector	
8	4460465	30	Socket	
9	4460460	1	Connector	
9	4460458	4	Seal	
9	4460743	4	Socket	
101	1001152266	1	Connector, Diode	
102	1001196636	1	Diode, 1Amp	

SECTION 8 - ELECTRICAL

FIGURE 8-57. SKYLINE HARNESS



ART_1001238418

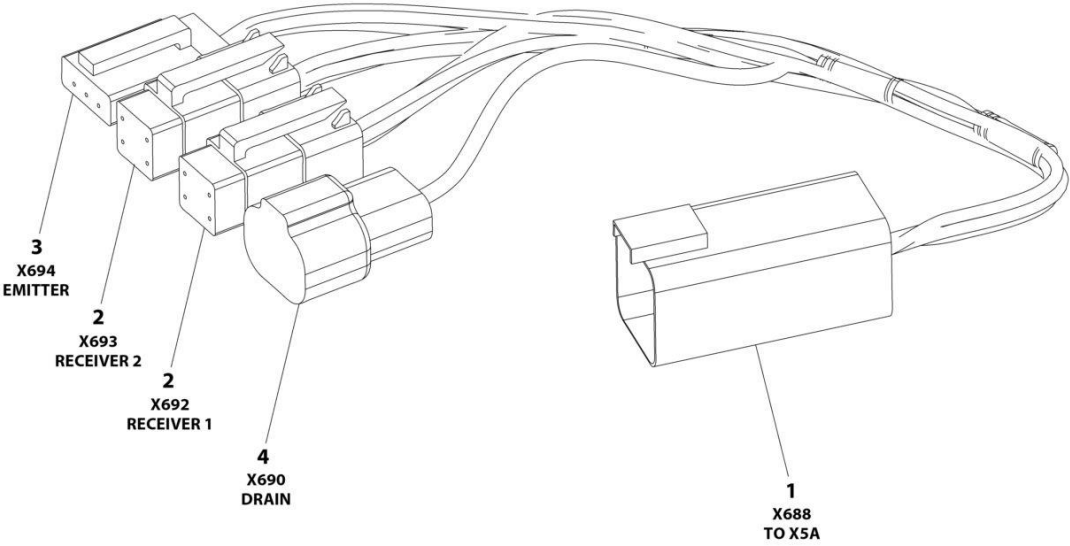
SECTION 8 - ELECTRICAL

FIGURE 8-57. 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 8-58. SKYEYE INTERMEDIATE HARNESS



ART_1001237865

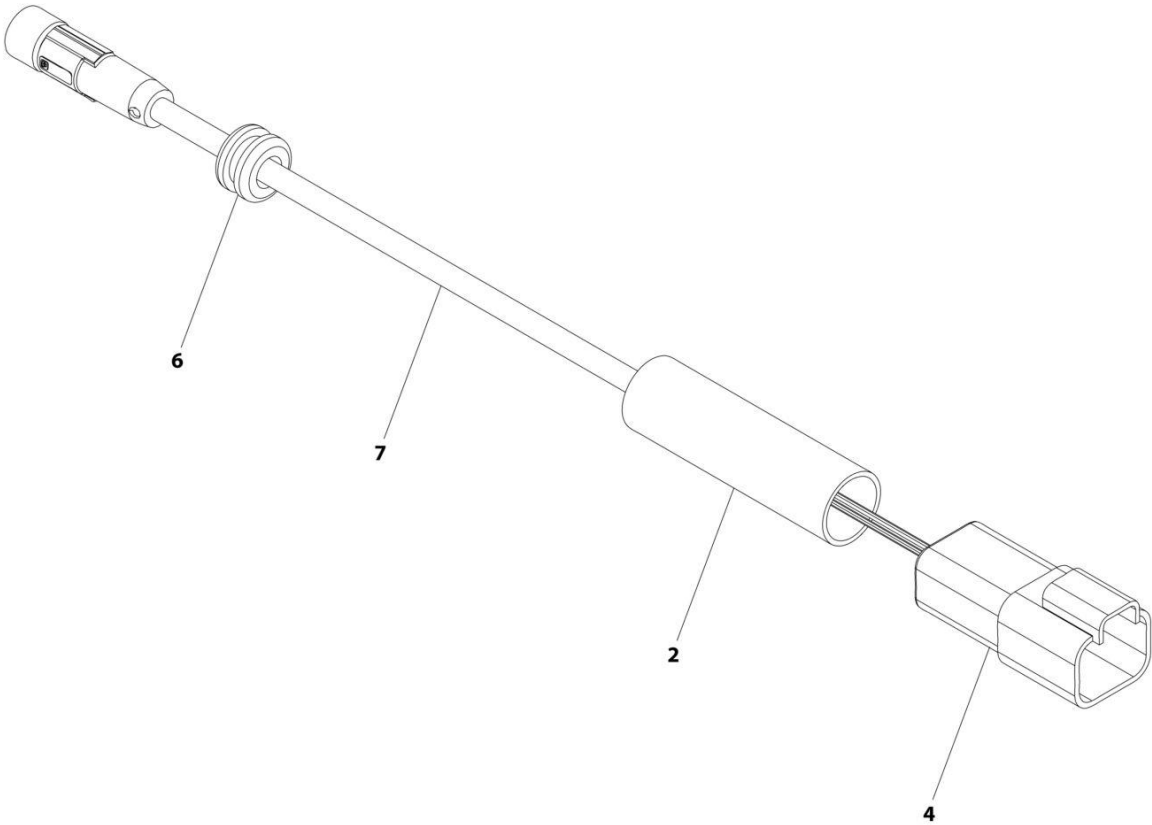
SECTION 8 - ELECTRICAL

FIGURE 8-58. 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 8-59. SKYEYE RECEIVER HARNESS



ART_1001237863

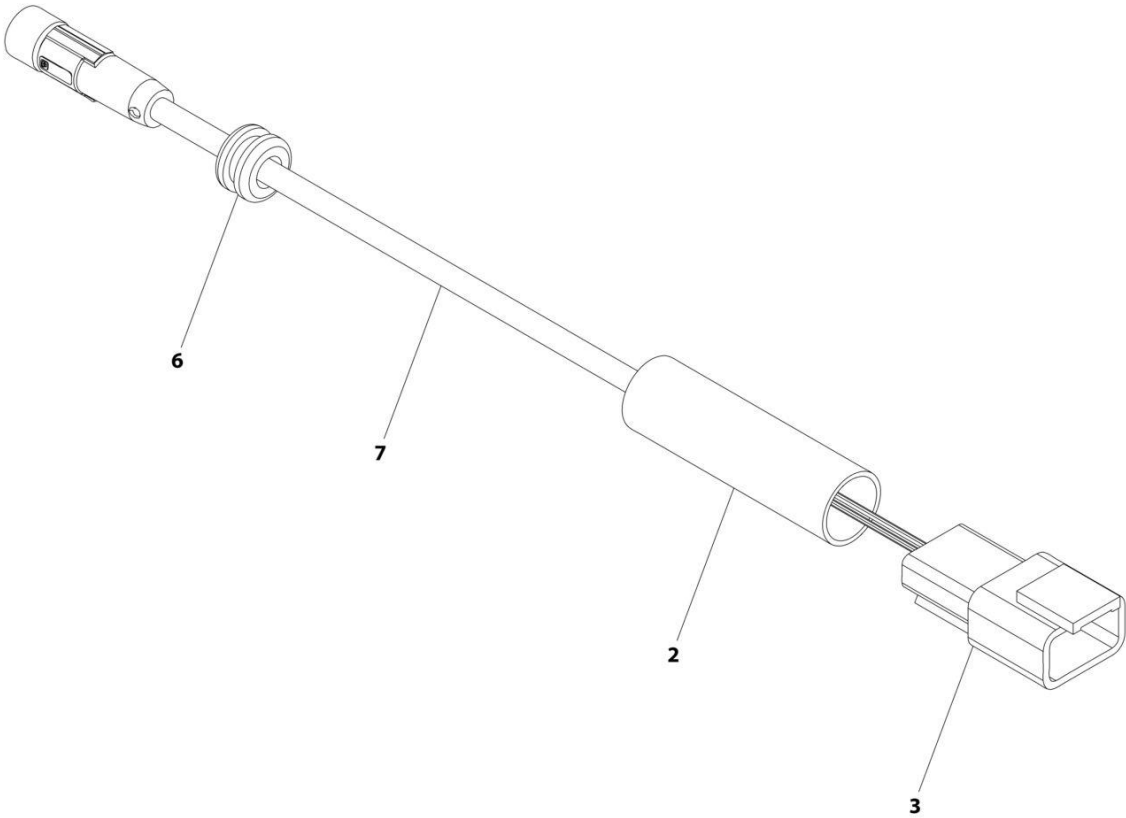
SECTION 8 - ELECTRICAL

FIGURE 8-59. 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 8-60. SKYEYE EMITTER HARNESS



ART_1001237864

SECTION 8 - ELECTRICAL

FIGURE 8-60. 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	

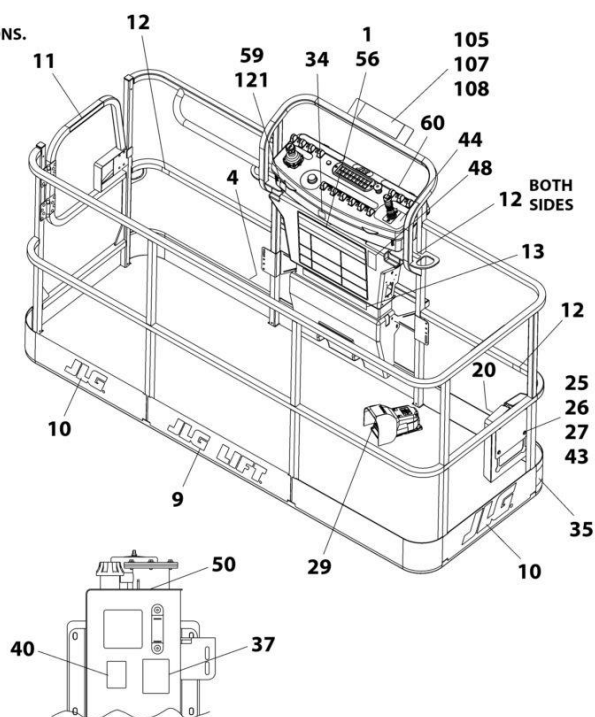
SECTION 9 - DECALS

570

400SC_460SJC



NOTE: ADDITIONAL DECALS ARE CALLED OUT ON DECALS INSTALLATION - OPTIONS.



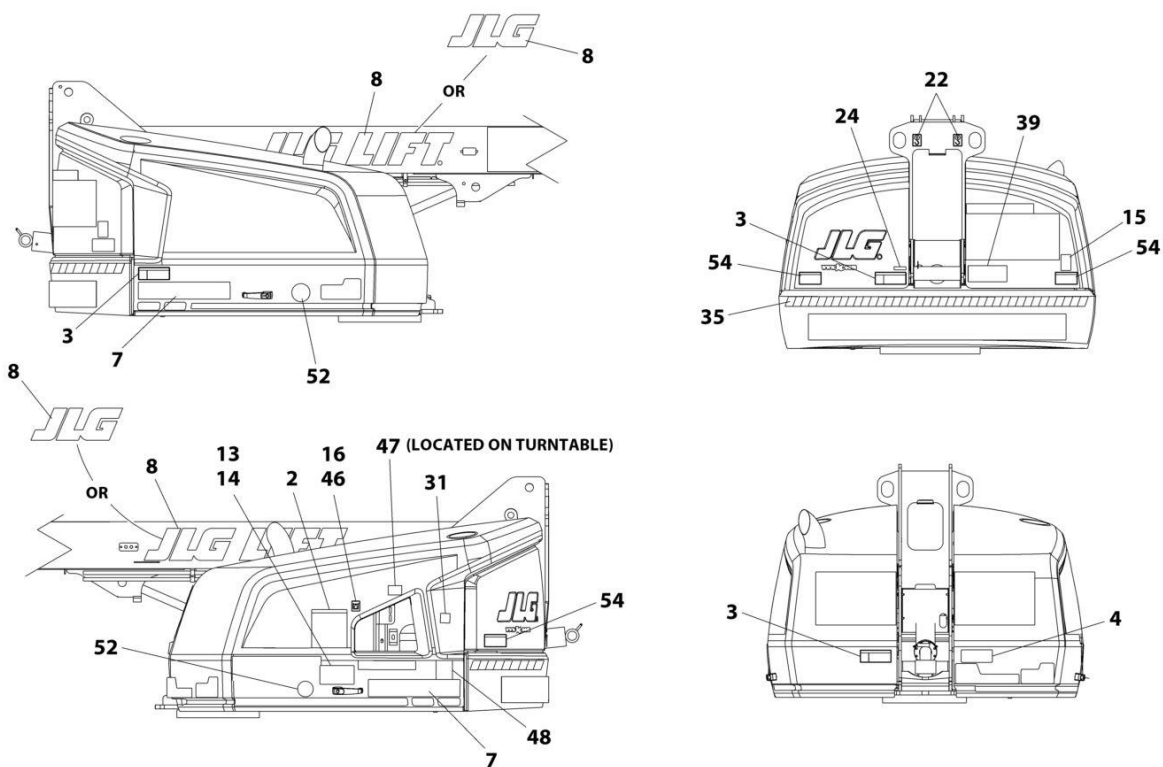
SECTION 9 - DECALS

FIGURE 9-1. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239557	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239558	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703797	1	Decal - Danger/Warning (Platform)	
2	1703798	1	Decal - Danger/Warning (MTB)	
3	1703805	3	Decal - Electrocution	
4	1703804	3	Decal - Warning Crushing	
11	1702868	2	Decal - Caution No Hands	
12	1704277	3	Decal - Attach Lanyard	
13	1001254665	1	Decal - Capacity (Platform)	
14	1001254666	1	Decal - Capacity (Ground Control)	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
24	3251243	1	Decal - Nameplate	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	3252347	1	Decal - Nameplate, Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703953	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227662	Ref	DECAL INSTALLATION - FRAME	C
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1704468	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
120	1001223453	1	Decal - ICES	
156	1001223055	1	Decal - Yearly Inspection	

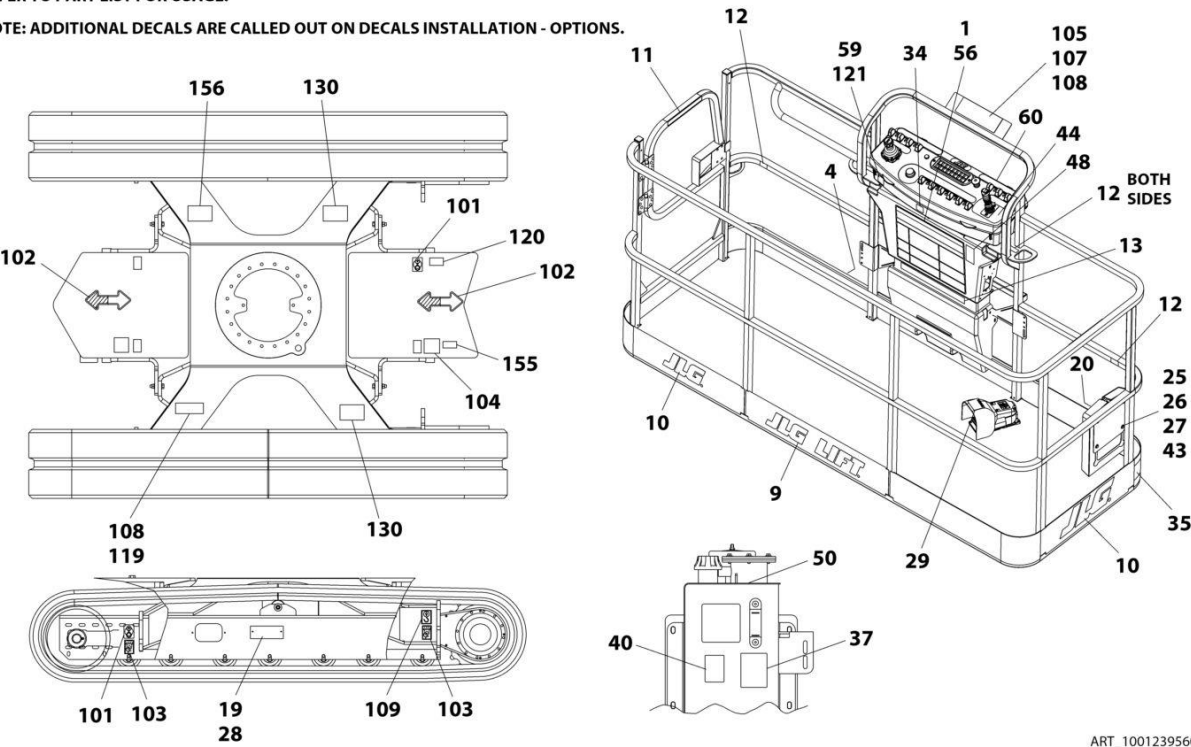
SECTION 9 - DECALS

FIGURE 9-2. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (460SJC)



NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS. REFER TO PART LIST FOR USAGE.

NOTE: ADDITIONAL DECALS ARE CALLED OUT ON DECALS INSTALLATION - OPTIONS.



ART_1001239560

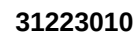
SECTION 9 - DECALS

FIGURE 9-2. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (460SJC)

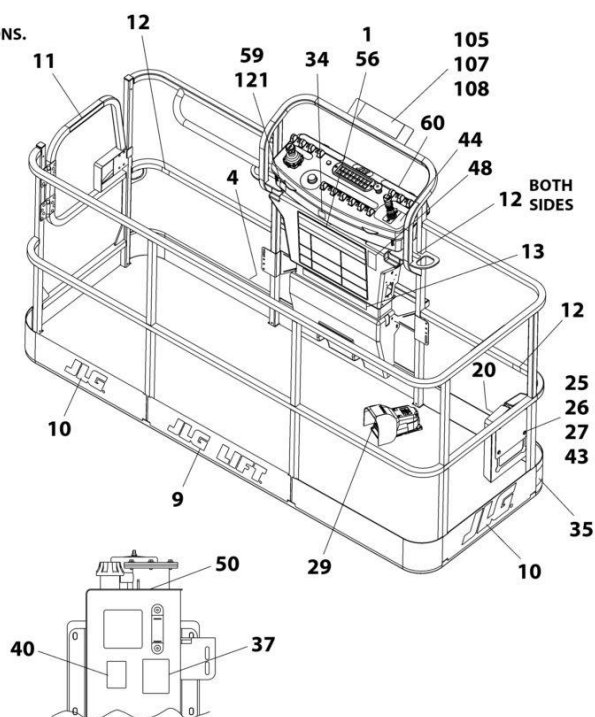
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239560	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239561	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703797	1	Decal - Danger/Warning (Platform)	
2	1703798	1	Decal - Danger/Warning (MTB)	
3	1703805	3	Decal - Electrocution	
4	1703804	3	Decal - Warning Crushing	
11	1702868	2	Decal - Caution No Hands	
12	1704277	3	Decal - Attach Lanyard	
13	1001254750	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
24	3251243	1	Decal - Nameplate	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	3252347	1	Decal - Nameplate, Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703953	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227662	Ref	DECAL INSTALLATION - FRAME	C
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1704468	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
120	1001223453	1	Decal - ICES	
156	1001223055	1	Decal - Yearly Inspection	

574

400SC_460SJC



NOTE: ADDITIONAL DECALS ARE CALLED OUT ON DECALS INSTALLATION - OPTIONS.



ART 1001250906

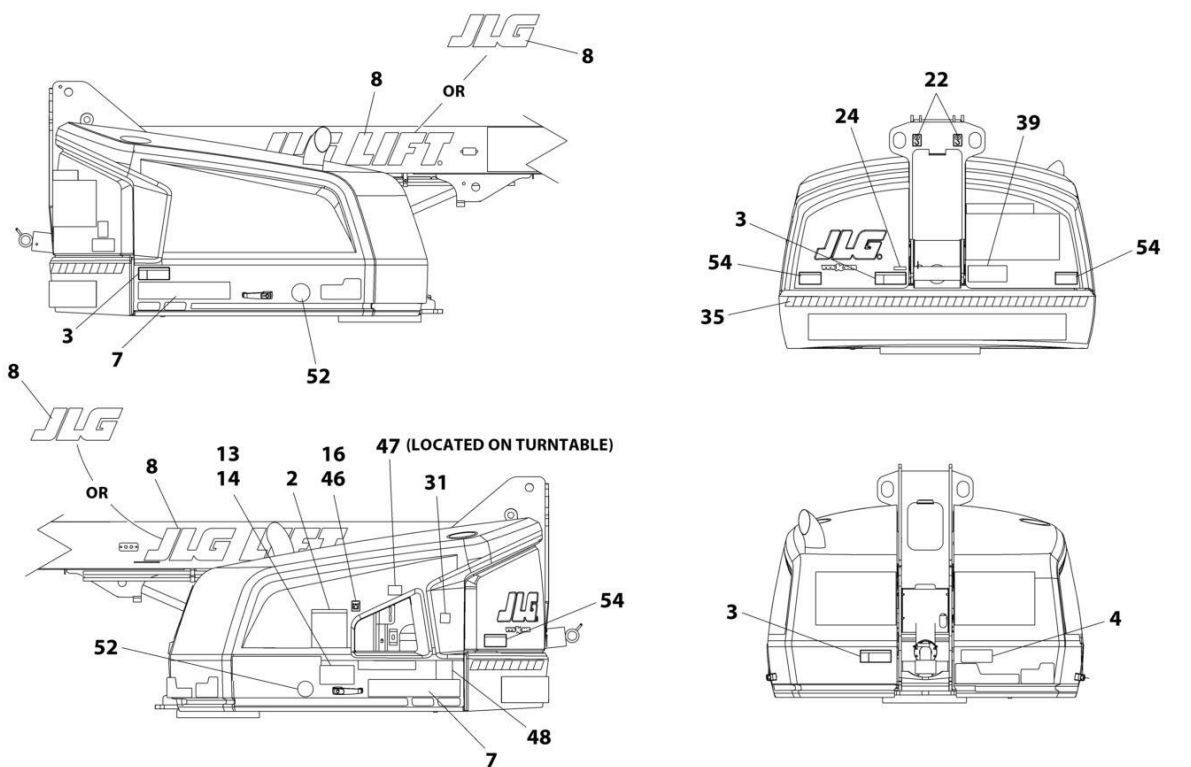
SECTION 9 - DECALS

FIGURE 9-3. DECAL INSTALLATION - CE & UK CA SPEC (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250906	Ref	DECAL INSTALLATION - REFERENCE CHART	A
	1001250765	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	C
	1001250835	Ref	DECAL INSTALLATION - TURNTABLE	E
1	1705921	1	Decal - Tipping/Electrocution (Platform)	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	3	Decal - Electrocution	
4	1701518	3	Decal - Warning Crushing	
8	1001159323	2	Decal - JLG	
10	1702773	3	Decal - JLG	
12	1704277	3	Decal - Attach Lanyard	
13	1001185237	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
29	1705828	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
46	1001197408	1	Decal - MSSO, Engine Units	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001191076	Ref	DECAL INSTALLATION - FRAME	E
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001202228	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	

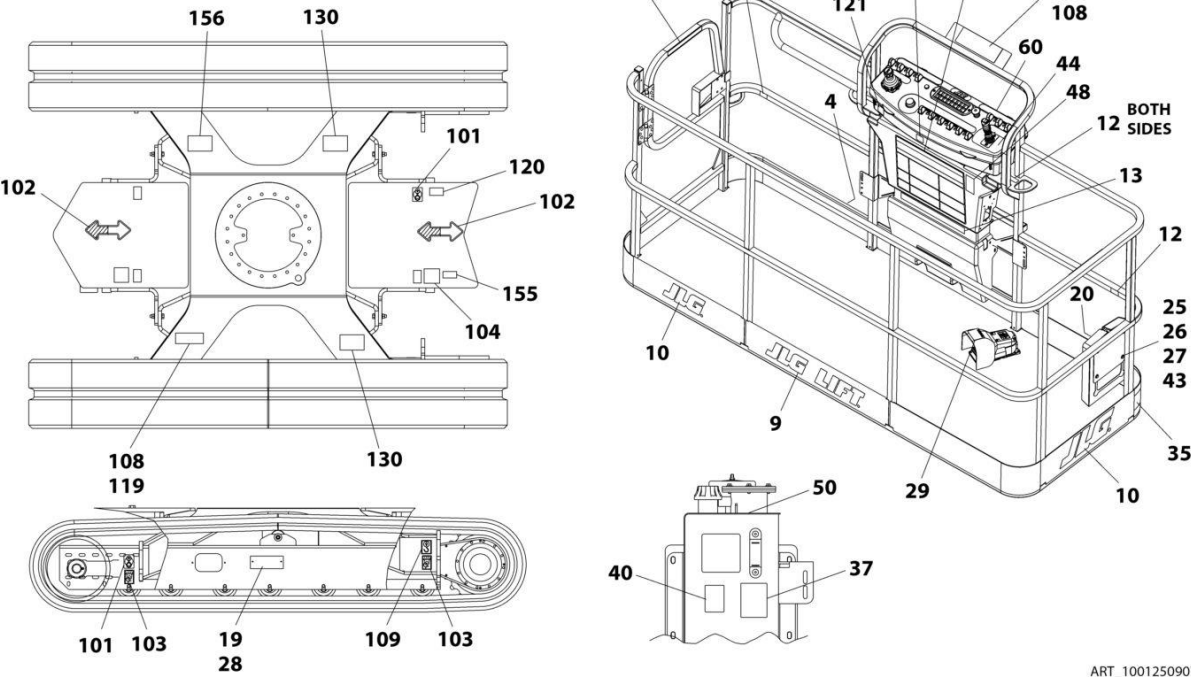
SECTION 9 - DECALS

FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPEC (460SJC)



NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS.
REFER TO PART LIST FOR USAGE.

NOTE: ADDITIONAL DECALS ARE CALLED OUT ON DECALS INSTALLATION - OPTIONS.



ART_1001250907

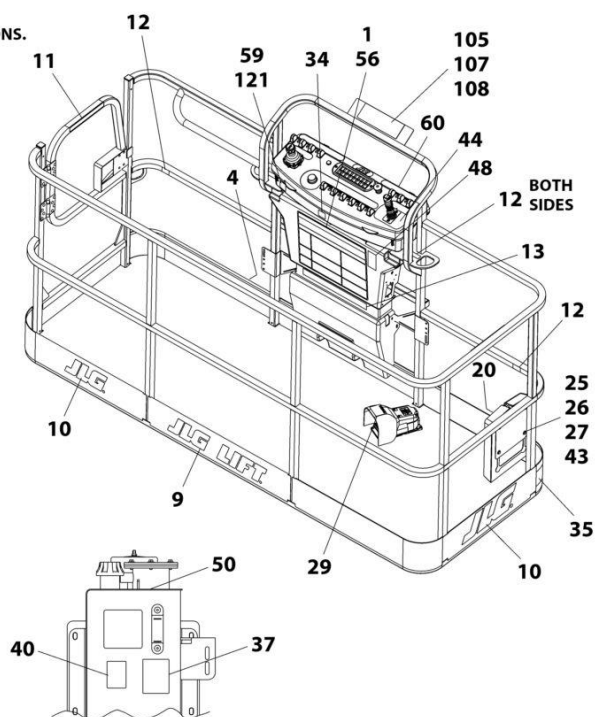
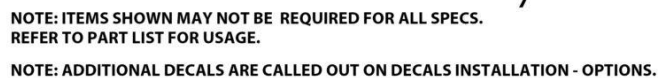
SECTION 9 - DECALS

FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPEC (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250907	Ref	DECAL INSTALLATION - REFERENCE CHART	A
	1001250765	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	B
	1001250836	Ref	DECAL INSTALLATION - TURNTABLE	E
1	1705921	1	Decal - Tipping/Electrocution (Platform)	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	3	Decal - Electrocution	
4	1701518	3	Decal - Warning Crushing	
8	1001159323	2	Decal - JLG	
10	1702773	3	Decal - JLG	
12	1704277	3	Decal - Attach Lanyard	
13	1001171339	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
29	1705828	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
46	1001197408	1	Decal - MSSO, Engine Units	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001191076	Ref	DECAL INSTALLATION - FRAME	E
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001202228	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	

578

400SC_460SJC



31223010

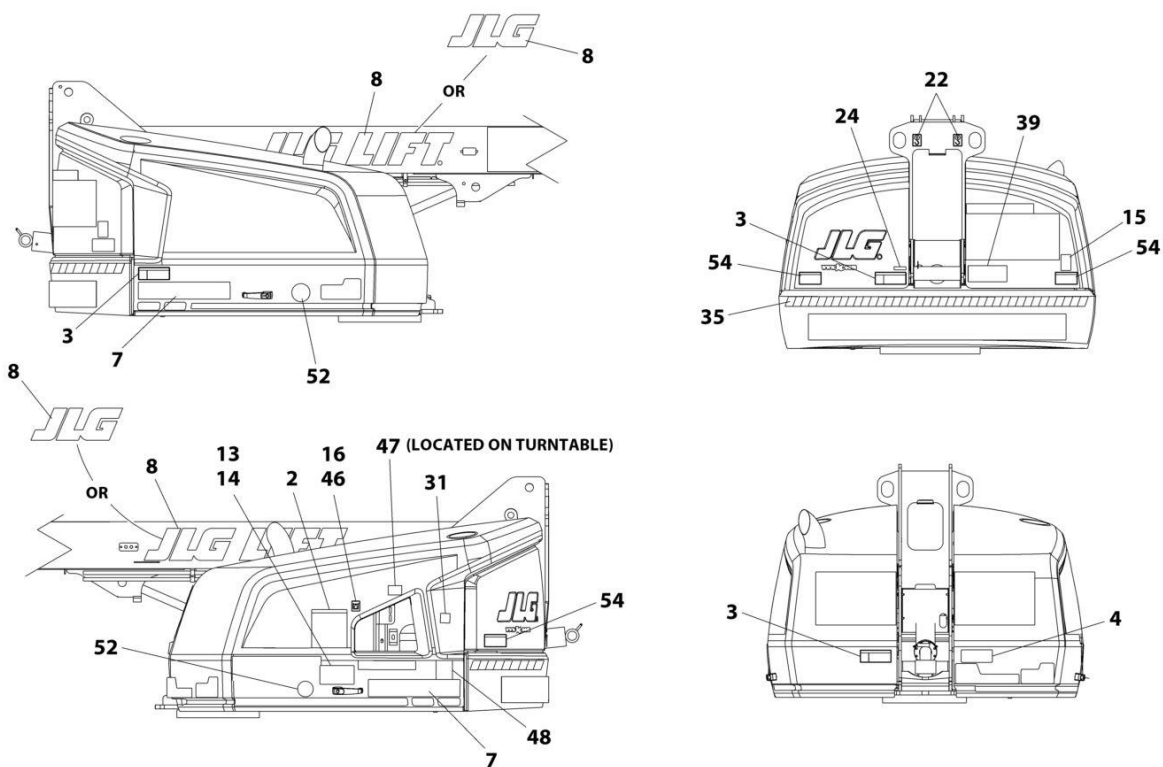
SECTION 9 - DECALS

FIGURE 9-5. DECAL INSTALLATION - CSA SPEC (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239333	Ref	DECAL INSTALLATION - REFERENCE CHART	B
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239335	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703924	1	Decal - Danger/Warning (Platform)	
2	1703930	1	Decal - Danger/Warning (MTB)	
3	1703936	3	Decal - Electrocution	
4	1703948	3	Decal - Warning Crushing	
11	1704000	2	Decal - Caution No Hands	
12	1704277	3	Decal - Attach Lanyard	
13	1001254667	1	Decal - Capacity (Platform)	
14	1001254668	1	Decal - Capacity (Ground Control)	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
24	3251243	1	Decal - Nameplate	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	1703984	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703942	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227695	Ref	DECAL INSTALLATION - FRAME	C
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001093684	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
120	1001223453	1	Decal - ICES	
156	1001223971	1	Decal - Yearly Inspection	

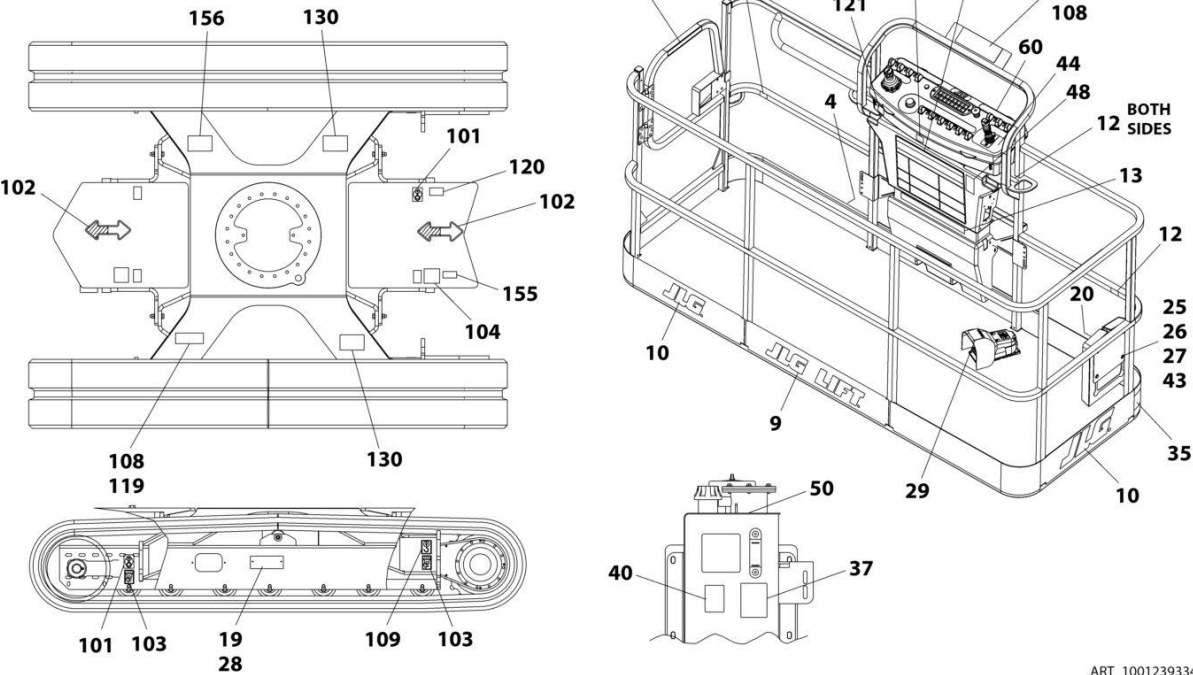
SECTION 9 - DECALS

FIGURE 9-6. DECAL INSTALLATION - CSA SPEC (460SJC)



NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS.
REFER TO PART LIST FOR USAGE.

NOTE: ADDITIONAL DECALS ARE CALLED OUT ON DECALS INSTALLATION - OPTIONS.



ART_1001239334

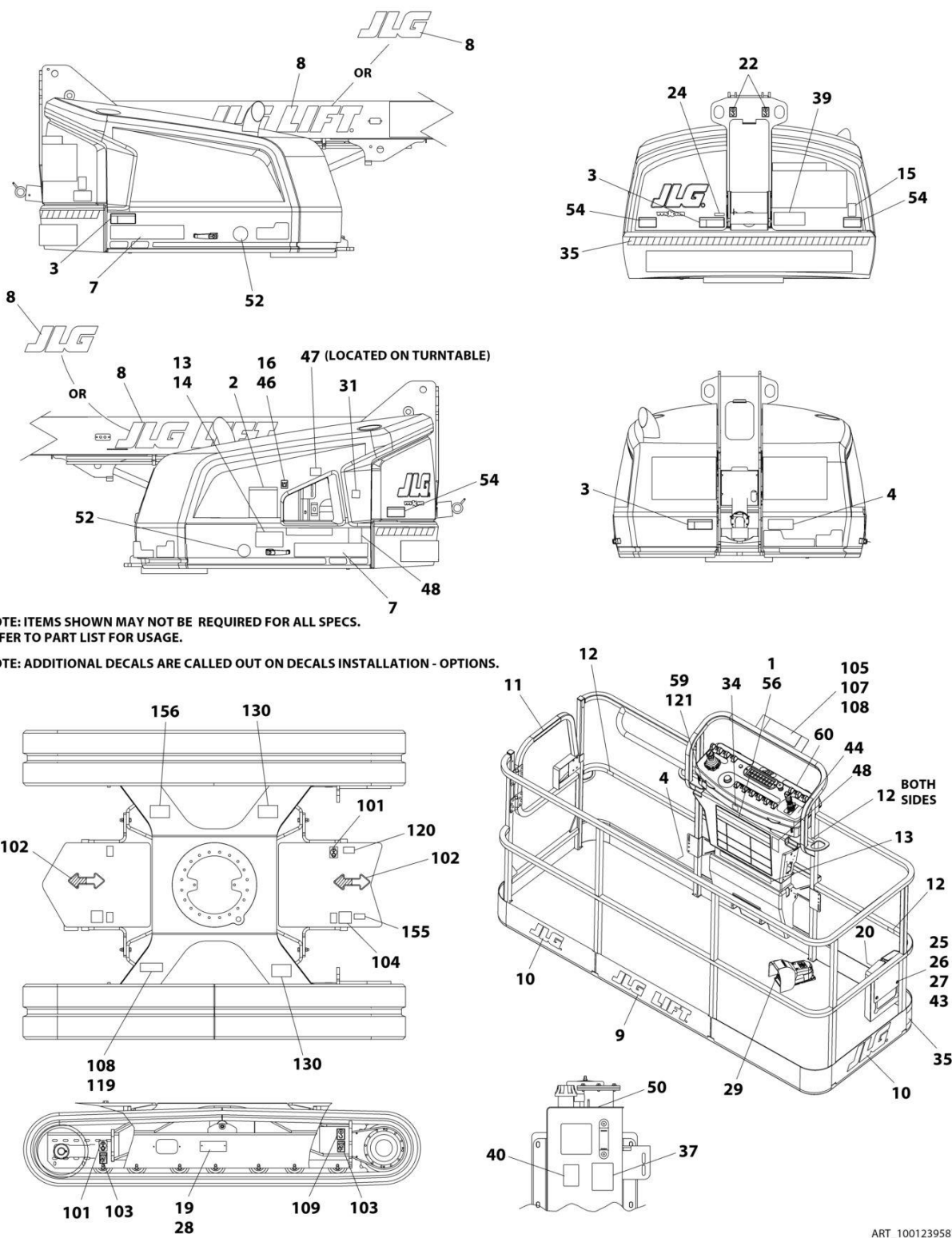
SECTION 9 - DECALS

FIGURE 9-6. DECAL INSTALLATION - CSA SPEC (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239334	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239336	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703924	1	Decal - Danger/Warning (Platform)	
2	1703930	1	Decal - Danger/Warning (MTB)	
3	1703936	3	Decal - Electrocution	
4	1703948	3	Decal - Warning Crushing	
11	1704000	2	Decal - Caution No Hands	
12	1704277	3	Decal - Attach Lanyard	
13	1001254751	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
24	3251243	1	Decal - Nameplate	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	1703984	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703942	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227695	Ref	DECAL INSTALLATION - FRAME	C
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001093684	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
118	1001131269	1	Decal - Patent Boom Lift	
120	1001223453	1	Decal - ICES	
156	1001223971	1	Decal - Yearly Inspection	

SECTION 9 - DECALS

FIGURE 9-7. DECAL INSTALLATION - ANSI EXPORT - (JAPANESE SPECS) (400SC)



ART_1001239587

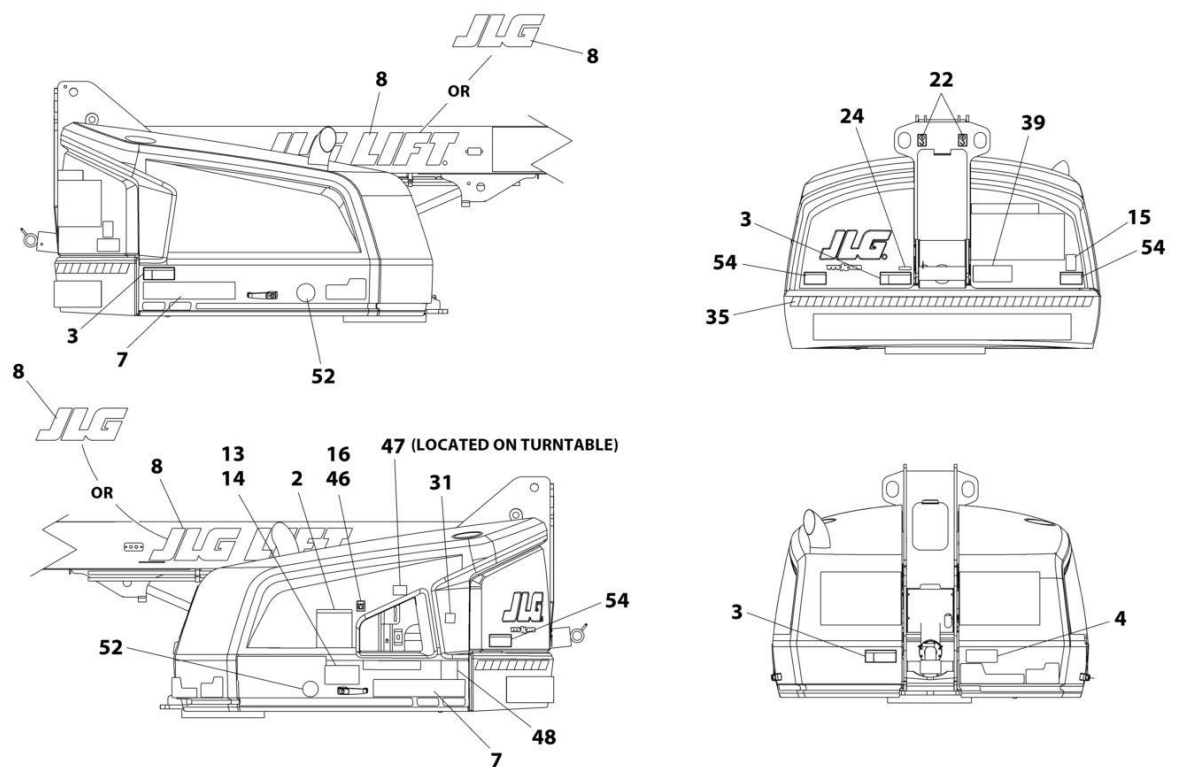
SECTION 9 - DECALS

FIGURE 9-7. DECAL INSTALLATION - ANSI EXPORT - (JAPANESE SPECS) (400SC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239587	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239585	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703926	1	Decal - Danger/ Warning (Platform)	
2	1703932	1	Decal - Danger/ Warning (MTB)	
3	1703938	3	Decal - Electrocution	
4	1703950	3	Decal - Warning Crushing	
12	1704277	3	Decal - Attach Lanyard	
13	1001254677	1	Decal - Warning Dual Cap	
14	1001254678	1	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
29	1703980	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703944	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001215290	Ref	DECAL INSTALLATION - FRAME	B
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001215285	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	

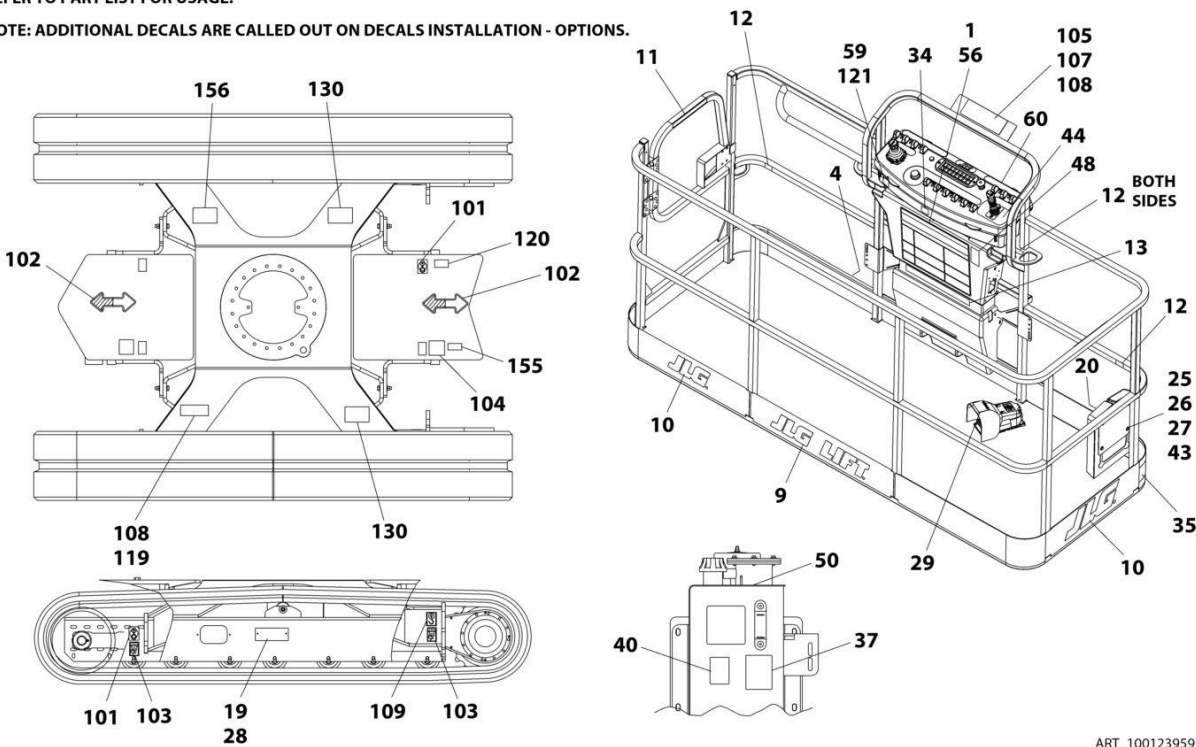
SECTION 9 - DECALS

FIGURE 9-8. DECAL INSTALLATION - ANSI EXPORT - (JAPANESE SPECS) (460SJC)



NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS.
REFER TO PART LIST FOR USAGE.

NOTE: ADDITIONAL DECALS ARE CALLED OUT ON DECALS INSTALLATION - OPTIONS.



ART_1001239595

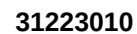
SECTION 9 - DECALS

FIGURE 9-8. DECAL INSTALLATION - ANSI EXPORT - (JAPANESE SPECS) (460SJC)

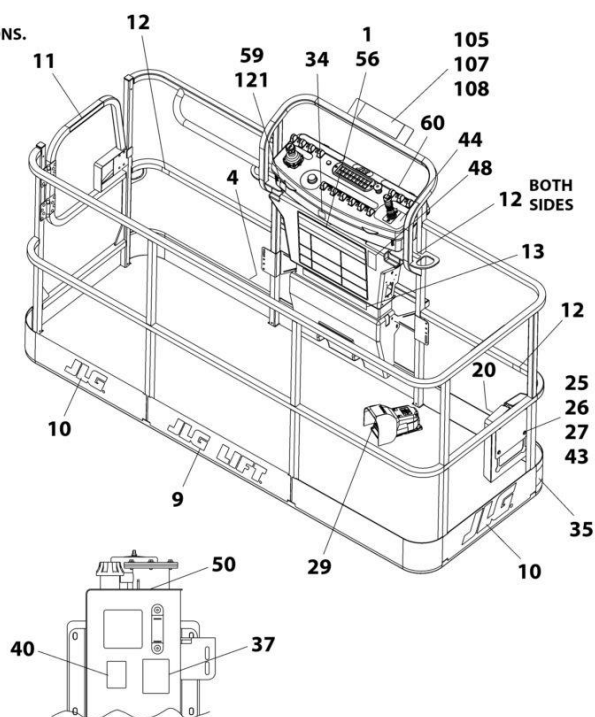
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239595	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNABLE)	G
	1001239594	Ref	DECAL INSTALLATION - TURNABLE	G
1	1703926	1	Decal - Danger/ Warning (Platform)	
2	1703932	1	Decal - Danger/ Warning (MTB)	
3	1703938	3	Decal - Electrocution	
4	1703950	3	Decal - Warning Crushing	
12	1704277	3	Decal - Attach Lanyard	
13	1001254756	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
29	1703980	1	Decal - Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703944	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001215290	Ref	DECAL INSTALLATION - FRAME	B
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001215285	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	

586

400SC_460SJC



NOTE: ADDITIONAL DECALS ARE CALLED OUT ON DECALS INSTALLATION - OPTIONS.



ART 1001239571

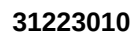
SECTION 9 - DECALS

FIGURE 9-9. DECAL INSTALLATION - ANSI EXPORT SPEC - (KOREAN SPECS) (400SC)

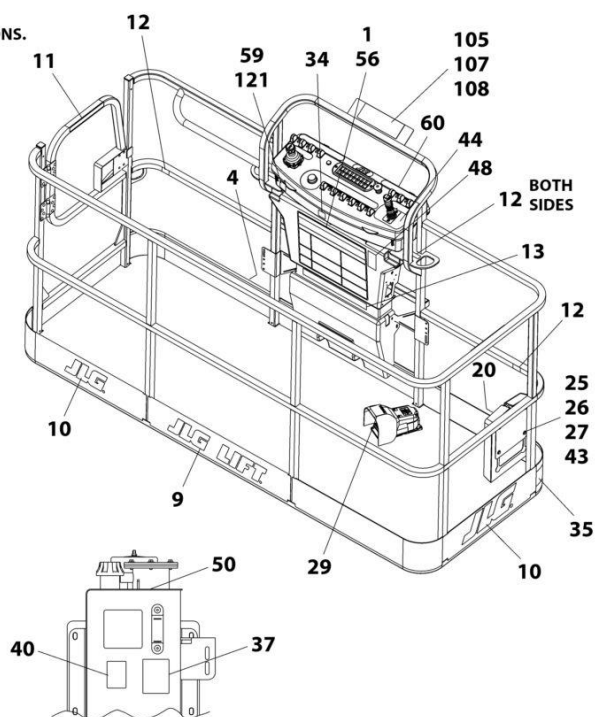
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239571	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239567	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703927	1	Decal - Danger/Warning (Platform)	
2	1703933	1	Decal - Danger/Warning (MTB)	
3	1703939	3	Decal - Electrocution	
4	1703951	3	Decal - Warning Crushing	
12	1704277	3	Decal - Attach Lanyard	
13	1001254669	1	Decal - Warning Dual Cap	
14	1001254670	1	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	1703981	1	Decal - Nameplate, Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703945	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227698	Ref	DECAL INSTALLATION - FRAME	B
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001215286	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
118	1001131269	1	Decal - Patent	
156	1001224048	1	Decal - Yearly Inspection	

588

400SC_460SJC



NOTE: ADDITIONAL DECALS ARE CALLED OUT ON DECALS INSTALLATION - OPTIONS.



ART 1001239583

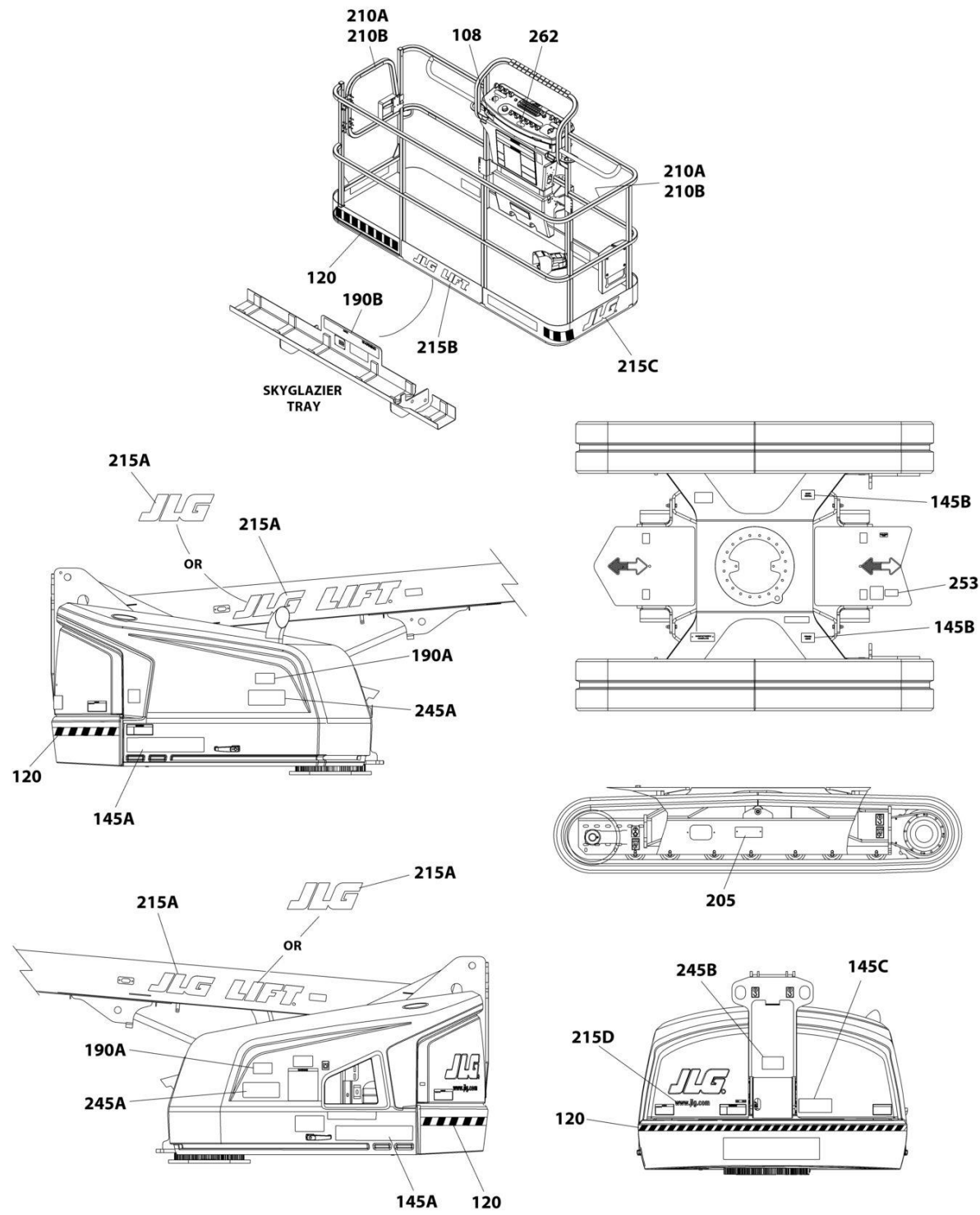
SECTION 9 - DECALS

FIGURE 9-10. DECAL INSTALLATION - ANSI EXPORT SPEC - (KOREAN SPECS) (460SJC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239583	Ref	DECAL INSTALLATION - REFERENCE CHART	C
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001239582	Ref	DECAL INSTALLATION - TURNTABLE	G
1	1703927	1	Decal - Danger/Warning (Platform)	
2	1703933	1	Decal - Danger/Warning (MTB)	
3	1703939	3	Decal - Electrocution	
4	1703951	3	Decal - Warning Crushing	
12	1704277	3	Decal - Attach Lanyard	
13	1001254752	2	Decal - Warning Dual Cap	
16	1701504	1	Decal - Hydraulic Oil	
20	1701509	1	Decal - Manual	
22	1701500	2	Decal - Lift	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet 1/8 x 1/4	
29	1703981	1	Decal - Nameplate, Footswitch	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
54	1703945	2	Decal - Warning Crushing	
60	1001184618	1	Decal - Stop and Auxiliary Power	
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	I
	1001227698	Ref	DECAL INSTALLATION - FRAME	B
101	1701499	6	Decal - No Lift	
102	1701529	2	Decal - Arrow	
103	1702300	4	Decal - Tie Down	
104	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
105	1001215286	1	Decal - Machine Motion Hazard	
107	1001093553	1	Plate, Decal Mounting	
108	3820001	5	Rivet 1/8 x 1/4	
109	1701500	2	Decal - Lift	
118	1001131269	1	Decal - Patent	
156	1001224048	1	Decal - Yearly Inspection	

SECTION 9 - DECALS

FIGURE 9-11. DECAL INSTALLATION - OPTIONS



ART_DECAL_OPTIONS

FIGURE 9-11. DECAL INSTALLATION - OPTIONS

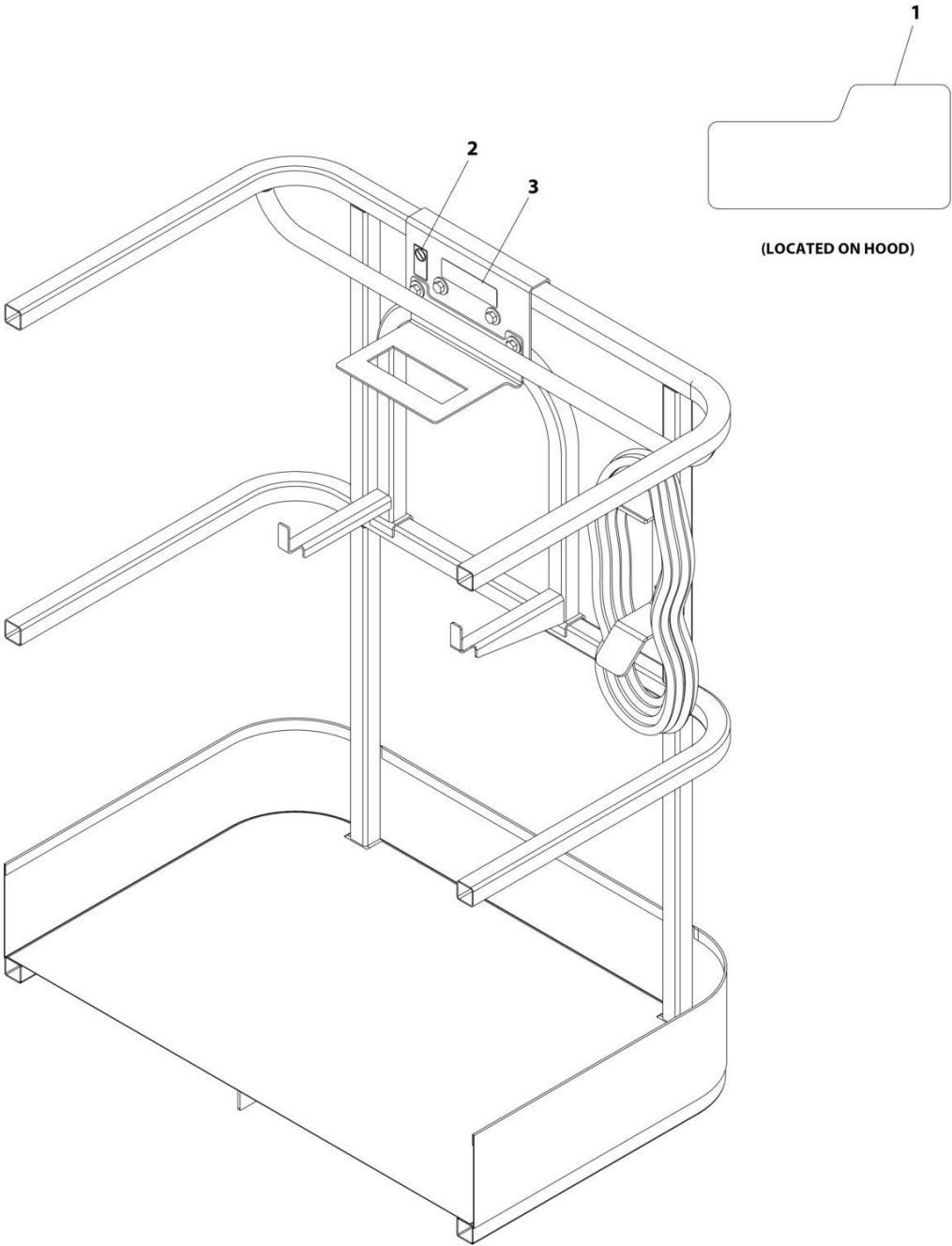
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217488	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE) (CE & UK CA Specs Only)	D
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	H
	1001192020	1	DECAL INSTALLATION - OPTIONS	
108	1001231801	1	Decal - Proposition 65 (Diesel Machines)	
120	1001178415	Ref	Warning Stripes Installation	A
120	4420051	14.5 ft /4.42m	Tape, Safety	
145	1001190871	Ref	Decal - Model Designation - 400SC (Not Shown)	E
145	1001217211	Ref	Decal - Model Designation - 460SJC (Not Shown)	B
145A	1001272288	2	Decal - 400SC	
145A	1001268234	2	Decal - 460SJC	
145B	1001201127	2	Decal - Max Track Load - 400SC	
145B	1001217210	2	Decal - Max Track Load - 460SJC	
145C	1001284679	1	Decal - Lift Diagram - 400SC	
145C	1001284680	1	Decal - Lift Diagram - 460SJC	
190	1001172570	Ref	Decal - SkyGlazier (English Decals) (ANSI, ANSI Export and CSA Specs)	C
190	1001172573	Ref	Decal - SkyGlazier (French Decals) (CE & UK CA Specs)	B
190	1001172574	Ref	Decal - SkyGlazier (German Decals) (CE & UK CA Specs)	B
190	1001172575	Ref	Decal - SkyGlazier (Italian Decals) (CE & UK CA Specs)	B
190	1001193136	Ref	Decal - SkyGlazier (Portuguese Decals) (CE & UK CA Specs)	B
190	1001193135	Ref	Decal - SkyGlazier (Spanish Decals) (CE & UK CA Specs)	B
190	1001172576	Ref	Decal - SkyGlazier (UK Decals) (CE & UK CA Specs)	B
190A	1705358	2	Decal - SkyGlazier	
190B	1001199035	2	Decal - SkyGlazier Capacity (English)	
190B	1001172566	2	Decal - SkyGlazier Capacity (French)	
190B	1001172567	2	Decal - SkyGlazier Capacity (German)	
190B	1001172568	2	Decal - SkyGlazier Capacity (Italian)	
190B	1001193134	2	Decal - SkyGlazier Capacity (Portuguese)	
190B	1001193133	2	Decal - SkyGlazier Capacity (Spanish)	
190B	1001172569	2	Decal - SkyGlazier Capacity (UK)	
205	See Note	1	Nameplate - Serial Number (Not Shown) (Note: Not Available for Purchase)	
215	1001178433	Ref	Decal Installation - JLG Logo (Not Shown)	A
215A	1702861	2	Decal - JLG Lift	
215B	1702774	1	Decal - JLG Lift	
215C	1702773	1	Decal - JLG	
215D	1704885	1	Decal - Website	
226	1704972	1	Decal - Warning Explosion/Fire (ANSI and ANSI Export Specs) (Not Shown)	
226	1706098	1	Decal - Warning Explosion/Fire (CE & UK CA Specs) (Not Shown)	
226	1706064	1	Decal - Warning Explosion/Fire (CSA Spec - Dual Language English/French) (Not Shown)	
226	1706062	1	Decal - Warning Explosion/Fire (ANSI Export Specs) (Not Shown)	
226	1706061	1	Decal - Warning Explosion/Fire (Korean Spec - Dual Language English/Korean) (Not Shown)	
245	1001178435	Ref	Decal - ClearSky (Not Shown)	
245A	1001116208	1	Decal - ClearSky	

SECTION 9 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
245B	1001120989	1	Decal - Radio Frequency	
245	1001294763	Ref	Clearsky Smart Fleet Decal Installation	
245A	1001120989	1	Decal - Radio Frequency	
245B	1001294815	1	Decal - ClearSky	
253	1001143852	1	Decal - Emission Compliance	
262	1001141300	1	Decal - SkyGuard Override	
262	1001141302	1	Decal - SkyGuard/Soft Touch Override	

SECTION 9 - DECALS

FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 50HZ (ANSI EXPORT SPECS)



ART_0272588

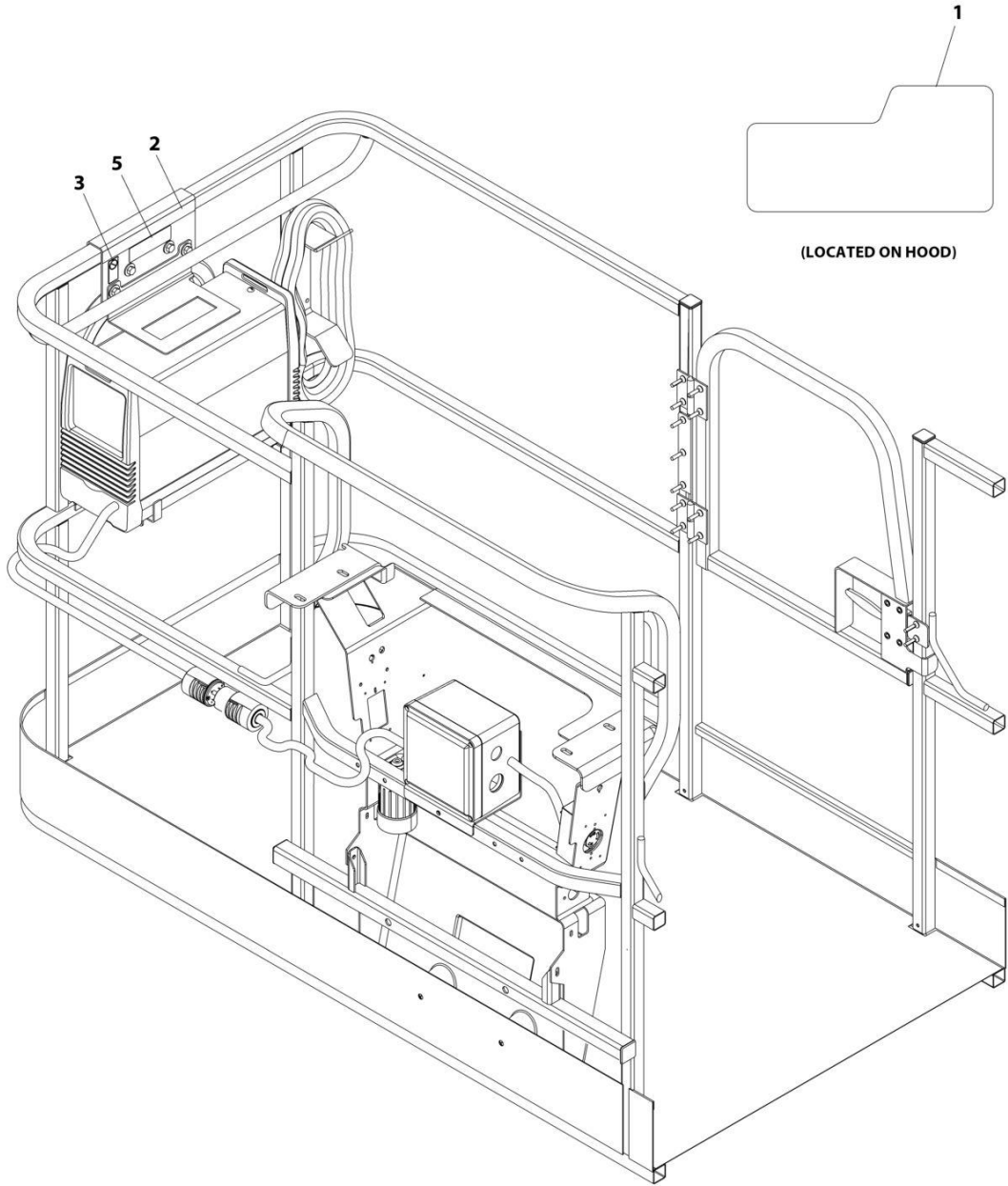
SECTION 9 - DECALS

FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 50HZ (ANSI EXPORT SPECS)

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 9-13. SKYWELDER DECAL INSTALLATION - 60HZ (ANSI EXPORT SPECS)



ART_0272448_D

SECTION 9 - DECALS

FIGURE 9-13. SKYWELDER DECAL INSTALLATION - 60HZ (ANSI EXPORT SPECS)

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 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.	
	4360476	1	Block, Contact	
	7020176	1	Block, Contact	
	1001189172	1	Breaker 16Amp Double (Breaker Box with Three Breakers)	
	1001159118	1	Breaker GFCI 30Amp 240VAC (240V AC Box at Platform)	
	1001181045	1	Breaker, 16Amp (Breaker Box with Single Breaker)	
	1001189171	1	Breaker, 30mA (Breaker Box with Three Breakers)	
	4360542	1	Breaker, Circuit (2500W Generators)	
	4360070	1	Breaker, Circuit - 15Amp (4000W/60Hz and 7500W Generators)	
	70006095	1	Breaker, Circuit 30Amp (7500W Generator with Deutz D2.9L4 Engine)	
	7024485	1	Breaker, Circuit 30Amp (7500W Generators with Deutz D2011 Engine)	
	70002386	1	Coil	
	70003788	1	Coil	
	70005219	1	Coil	
	1001142683	1	Control Module (Blue and Red Beacons)	
	1001275629	1	Controller Assembly (Lift and Swing)	
	1600359	1	Controller Assembly (Drive and Steer)	
	1001157196	1	Controller, Module (Console Box Assembly)	
	1001196636	2	Diode - 1 Amp (Main Valve Harness)	
	70010383	1	Element, Filter	
		Ref	Engine - Deutz D2011	
	70003783	12	Element, Air Cleaner	
	7020023	12	Filter, Fuel	
	70003463	12	Filter, Fuel - RME Resistant	
	7016331	12	Filter, Oil	
	3740140	1	Relay, 100Amp	
	70004058	1	Relay	
		Ref	Engine - Deutz D2.9L4	
	70003783	12	Element, Air Cleaner	
	1001197719	2	Fuse, 0.5 Watt	
	80983191	2	Fuse, 10 Amp	
	70023592	2	Fuse, 20 Amp	
	70023593	2	Fuse, 30 Amp	
	1001117308	1	Relay, 200Amp	
	1001138228	1	Relay, Power Module	
		Ref	Engine - Deutz D2.9L4 (Stage V)	
	70003783	12	Element, Air Cleaner	
	1001117308	1	Relay, 200Amp	
	1001138228	1	Relay, Power Module	
	1001117174	1	Footswitch Assembly	
	8229249	2	Fuse, 3 Amp (USB Charger)	
	1001196634	2	Fuse, 2 Amp	
	8229242	2	Fuse, 5 Amp	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8229244	2	Fuse, 15 Amp	
	8229245	2	Fuse, 30 Amp (2500W Generators)	
	2860030	1	Key, Replacement	
	2940074	1	Latch (Platforms with Swing Gate)	
	1001170094	1	Module, Ground Control	
	3740080	1	Relay (2500W Generators)	
	70006553	1	Relay (ANSI Export Spec 4000W Generator)	
	1001186431	1	Relay (SkyGuard)	
	3740086	1	Relay (SkyLine)	
	1001095704	1	Relay 35Amp	
	70005254	1	Screen, Filter	
	1001219601	1	Sensor (Electrical Panel Assembly)	
	1001118971	1	Sensor, Angle (Boom Switches)	
	1001228225	1	Sensor, Emitter (SkyEye)	
	1001231195	1	Sensor, Fuel Level	
	1001170847	1	Sensor, Proximity (Boom Switches)	
	1001182570	1	Sensor, Proximity (Boom Switches)	
	1001232667	1	Sensor, Proximity (SkyLine)	
	1001311034	1	Sensor, Proximity (SkyLine)	
	1001228224	1	Sensor, Receiver (SkyEye)	
	1001237902	1	Sensor, SkySense	
	7024469	1	Switch with Lead (Welder Assembly)	
	1001225346	1	Switch, Battery (Battery Disconnect)	
	1001274559	1	Switch, Emergency Stop	
	4360469	1	Switch, Key	
	4360407	1	Switch, Potentiometer	
	4360387	1	Switch, Push Button	
	4360274	1	Switch, Push Button (CE & UK CA Specs with Stage V Engine)	
	70004682	1	Switch, Reset (4000W Generators)	
	4360328	1	Switch, Toggle	
	4360336	1	Switch, Toggle	
	1001155045	1	Switch, Toggle	
	1001159256	1	Switch, Toggle	
	1001161709	1	Switch, Toggle DPDT	

SECTION 11 - SPECIAL OPTIONS

SECTION 11 - SPECIAL OPTIONS

FIGURE 11-1. SPECIAL OPTIONS/ACCESSORIES/KITS

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/ACCESSORIES/KITS	
	1001174347	Ref	Airline Installation - 400SC	
	1001174348	Ref	Airline Installation - 460SJC	
	1001236541	Ref	Boom and Chassis Bellows Installation (400SC)	
	1001236540	Ref	Boom and Chassis Bellows Installation (460SJC)	
	1001172630	Ref	Boom Wiper Installation	
	1001183206	Ref	Cold Weather Package (Deutz T4F Engine) (ANSI, ANSI Export, CSA and Japan Specs)	
	1001183207	Ref	Cold Weather Package (Deutz T4i Engine) (ANSI Export Spec)	
	1001255807	Ref	Cold Weather Package (Deutz D2.9L4 Engines (Stage V)) (CE & UK CA Spec)	
	1001243183	Ref	ClearSky (Telematics) Canbus Added-on-Kit (Dealer Installed) (ANSI, ANSI Export, CSA, CE & UK CA Specs)	
	1001243184	Ref	ClearSky (Telematics) Canbus Added-on-Kit (Dealer Installed) (CE & UK CA Specs)	
	1001276923	Ref	ClearSky (Telematics) 3 Wire Added-on-Kit (Dealer Installed)	
	1001242639	Ref	ClearSky (Telematics) Access Control Installation (Dealer Installed) (ANSI, ANSI Export, CSA, CE & UK CA Specs)	
	1001285871	Ref	ClearSky (Telematics) Installation (ABS Hoods)	
	1001293176	Ref	ClearSky (Telematics) Installation (Steel Hoods)	
	1001276007	Ref	Controller Service Kit - Drive/Steer	
	1001276008	Ref	Controller Service Kit - Lift/Swing	
	1001233047	Ref	Deutz Breather Heater Kit (Dealer Installed)	
	1001148902	Ref	Electrical Connector Kit - Amp/Tyco Electrical Connectors	
	1001148903	Ref	Electrical Connector Kit - Deutsch DT Electrical Connectors	
	1001148904	Ref	Electrical Connector Kit - Deutsch HD Electrical Connectors	
	1001148905	Ref	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kit - Various Electrical Connectors	
	1001257275	Ref	Fall Arrest (Bolt-on) Installation - 60in (Factory Installed)	
	1001236747	Ref	Fall Arrest (Bolt-on) Installation - 72in (Factory Installed)	
	1001238463	Ref	Fall Arrest (Bolt-on) Installation - 72in Tri-Entry (Factory Installed)	
	1001236746	Ref	Fall Arrest (Bolt-on) Installation - 96in (Factory Installed)	
	1001237883	Ref	Fall Arrest (Bolt-on) Add-on Kit - 72in (Dealer Installed)	
	1001172751	Ref	Fan Cover Installation - Deutz D2.9L4 Engines/Deutz D2.9L4 (Stage V) Engines (ANSI Export Specs)	
	1001204482	Ref	Filter Kit - Combined (Hydraulic Oil/Air & Engine Air/Fuel Oil) (Deutz)	
	1001117294	Ref	Footswitch Shield Installation	
	1001219794	Ref	Hose / Cable Protection	
	1001259446	Ref	Hydraulic Load Installation (Deutz D2.9L4 and Stage V Engines)	
	1001268737	Ref	Jib Link Service Kit	
	1001174925	Ref	Lights Installation - Headlights and Taillights	
	1001174926	Ref	Light Installation - Illumination	
	1001120466	Ref	Lights Installation - Platform Worklights	
	1001202749	Ref	Lockable Fuel Cap Cover - Black	
	1001191395	Ref	Lockable Fuel Cap Cover - Green (ANSI, ANSI Export and CSA Specs)	
	1001183407	Ref	Low Temperature Cutout Installation (Russian Specs)	

SECTION 11 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272166	Ref	Pipe Racks Add-on Kit (Dealer Installed)	M
	1580013	Ref	Platform Corner Storage Tray	
	1001266290	Ref	Platform Cover Installation - Steel	
	1001195304	Ref	Platform Cover Installation - Clear	
	1001270482	Ref	Platform Cover Add-on Kit (Dealer Installed)	
	1001274832	Ref	Platform Floormats Add-on Kit (30x60 Platforms) (Dealer Installed)	
	1001274830	Ref	Platform Floormats Add-on Kit (36x72 Platforms) (Dealer Installed)	
	1001274829	Ref	Platform Floormats Add-on Kit (36x96 Platforms) (Dealer Installed)	
	1001266098	Ref	Platform Plastic Mesh to Mid Rail Installation - 36in X 8ft (91.5cm x 2.44m) (ANSI and ANSI Export Specs)	
	1001266489	Ref	Platform Plastic Mesh to Top Rail Installation - 36in X 6ft (91.5cm x 1.83m) (ANSI and CSA Specs)	
	1001266056	Ref	Platform Plastic Mesh to Top Rail Installation - 36in X 8ft (91.5cm x 2.44m) (ANSI and CSA Specs)	
		Ref	Platform Padding Installation Options:	
	1001275644	Ref	Platform Padding Installation - 30 x 60 Platforms	
	1001275642	Ref	Platform Padding Installation - 36 x 72 Platforms	
	1001269655	Ref	Platform Padding Installation - 36 x 96 Platforms	
	0272733	Ref	Platform Rail Extension Installation - 36in x 72in Platforms	
	0272725	Ref	Platform Rail Extension Installation - 36in x 96in Platforms	
	1001282215	Ref	Platform Worklights Kit	
	1001233799	Ref	Service Tools & Kits	
	1001247073	Ref	SkyEye Retrofit Kit	
	1001262016	Ref	SkyLine Add-on Kit (Dealer Installed)	
	1001289831	Ref	SkySense (EDS) Level 1 Booms Installation (Factory Installed)	
	1001289832	Ref	SkySense (EDS) Level 2 Booms Installation (Factory Installed)	
	1001253618	Ref	SkySense (EDS) Level 2 (3 Bar) Repair Kit for PN 1001246867	
	1001246867	Ref	SkySense (EDS) Level 1 (2 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252033)	
	1001289905	Ref	SkySense (EDS) Level 1 (2 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252033)	
	1001252033	Ref	SkySense (EDS) Level 1 (2 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252033)	
	1001246860	Ref	SkySense (EDS) Level 2 (3 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252034)	
	1001289906	Ref	SkySense (EDS) Level 2 (3 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252034)	
	1001252034	Ref	SkySense (EDS) Level 2 (3 Bar) Add-on Kit (Dealer Installed) (Use PN 1001252034)	
	1001292585	Ref	Strobe Light (Amber) Hood Kit	
	1001231235	Ref	Sky Welder Locking Bracket	
	1001303167	Ref	Sky Welder Extension Cord Cable	
	1001284515	Ref	Telematics Gateway (Dealer Installed)	
	2901443	Ref	Tools - Analyzer Kit	
	1001137005	Ref	Tools - Cable Kit, Software	
	1001253619	Ref	SkySense (EDS) Level 2 (3 Bar) Repair Kit for PN 1001246860	
	7002821	Ref	Tools - Crimper, Wire	
	7002823	Ref	Tools - Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460510	Ref	Tools - Pin Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	

SECTION 11 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4460467	Ref	Tools - Pin Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016654	Ref	Tools - Screwdriver, Magnetic	
	7002822	Ref	Tools - Screwdriver, Potentiometer	
	7004275	Ref	Tools - Seal Tool 1in (For Cylinders)	
	7004276	Ref	Tools - Seal Tool 1-1/2in (For Cylinders)	
	7002828	Ref	Tools - Stripper, Wire	
	1001277839	Ref	UGM2 Retrofit ADE2 Kit	
	1001262959	Ref	Voltage Regulator Relocation Kit (ClearSky)	
	1001270755	Ref	Whlte Noise (Ambient) Add-on Kit (Dealer Installed)	
	1001270716	Ref	Whlte Noise (Constant) Add-on Kit (Dealer Installed)	
	1001209059	Ref	Work Surface Installation	

PART NUMBER INDEX

SECTION 11 - SPECIAL OPTIONS

0080231.....148, 160	0480126 289, 301	0701222 327	0761014....71, 73, 75, 77,
0100009.....377	0480128 285, 305	0701223 275	120, 124, 129, 133,
0100011....33, 35, 47, 49,	0561237 507	0701224 67	135, 176, 190, 204,
67, 69, 71, 73, 75, 77,	0630462 383	0701225 67	218, 233, 240, 277,
103, 105, 109, 111,	0630518... 101, 381, 389,	0701618 53	281, 341, 495, 497,
120, 124, 127, 129,	391, 393	0701619 321, 323	499, 501, 503, 505,
131, 133, 143, 145,	0630534 415	0711214 ... 176, 190, 204,	507, 509
148, 153, 157, 160,	0630563 ... 495, 497, 499,	218, 240	0761015...33, 35, 69, 143,
169, 173, 176, 183,	501, 503, 505, 507, 509	0711224 ... 148, 160, 176,	148, 153, 160, 169,
187, 190, 197, 201,	0630568 377	190, 204, 218, 240,	176, 183, 190, 197,
204, 211, 215, 218,	0630613 120, 124	249, 251, 277, 281,	204, 211, 218, 233,
233, 237, 240, 249,	0641404 399	285, 289, 293, 301,	240, 281, 329, 331
251, 253, 275, 277,	0641405 377, 399	305, 309	0761016....61, 71, 73, 75,
281, 285, 289, 293,	0641406... 375, 405, 571,	0721005 383	77, 176, 190, 204, 218,
297, 301, 305, 309,	573, 575, 577, 579,	0721006 253, 255	240, 345
313, 315, 325, 327,	581, 583, 585, 587, 589	0731005 ... 69, 71, 73, 75,	0761018....495, 497, 503,
329, 331, 337, 339,	0641408 375, 401	77	505
341, 343, 345, 349,	0641410 ... 127, 129, 131,	0741606 ... 176, 190, 204,	0761019.....325, 327
357, 359, 361, 363,	133	218, 240	0761210....176, 190, 204,
365, 367, 369, 383,	0641414 ... 377, 383, 385,	0741607 ... 285, 289, 293,	218, 240
385, 389, 391, 393, 399	401, 403	297, 309	0761212....176, 190, 204,
010001953, 59, 281, 285,	0641416 ... 445, 447, 449,	0760415 345	218, 240, 293, 297, 309
289, 293, 297, 301,	451, 453, 455, 457,	0760606 ... 285, 289, 293,	0761214....281, 285, 289,
305, 309	459, 461, 463, 465	297, 301, 305, 309	301, 305
0100020....143, 148, 153,	0641418... 349, 359, 361,	0760607 ... 178, 191, 204,	0761216.....341
160, 169, 176, 177,	363, 365, 367, 369,	218, 240	0761217.....325, 327
183, 190, 197, 204,	503, 505	0760608 ... 124, 129, 133,	0761218.....321, 323
206, 211, 218, 220,	0641420 357	277, 281	0761227.....67
233, 240, 379, 445,	0641504... 143, 153, 169,	0760610 ... 47, 49, 71, 73,	0761620.....53
447, 449, 451, 453,	183, 197, 211, 233,	75, 77, 79, 109, 111,	0771212....170, 184, 197,
455, 457, 459, 461,	501, 503, 505, 507, 509	127, 131, 143, 148,	211, 233, 240
463, 465	0641507 277, 281	153, 160, 169, 176,	0771414....148, 160, 176,
0100035.....69, 107, 255,	0641606 ... 389, 391, 393	183, 190, 197, 204,	190, 204, 218, 240,
377, 381	0641608 329, 331	211, 218, 233, 240,	249, 251, 277, 281,
0100048....113, 277, 281,	0641610 253, 255, 375	271, 273, 285, 289,	285, 289, 293, 301,
285, 289, 293, 297,	0641616... 285, 289, 293,	293, 297, 301, 305,	305, 309
301, 305, 309	297, 301, 305, 309	309, 471	0771416....285, 289, 301,
0100079....285, 289, 293,	0641772 277, 281	0760612 79	305
301, 305, 309	0641812 ... 145, 157, 173,	0760613 ... 169, 183, 197,	0772018.....53
0100081....148, 160, 176,	187, 201, 215, 237	211, 233	0860038....285, 293, 305,
190, 204, 218, 240,	0642012 387	0760614 ... 127, 129, 131,	309, 443
387, 495, 497, 499,	0642212 387	133, 149, 161, 289, 487	0860520....571, 573, 575,
501, 503, 505, 507, 509	0681608 ... 178, 192, 204,	0760615 115, 117	577, 579, 581, 583,
0140011.....377	218, 341	0760619 430, 438	585, 587, 589
0140043.....79	0681814 371, 373	0760808 ... 176, 190, 204,	0861538.....305, 309
0200048.....383	0681822 371, 373	218, 240	0861572.....301
0270022.....443	0682026 59	0760810 ... 178, 192, 204,	0861731....457, 459, 461,
0272254.....391	0682034 59	218, 240, 341	465, 549, 551, 553
0272427.....383	0700408 ... 445, 447, 449,	0760812 ... 176, 190, 204,	0861781....445, 449, 545,
0272435.....307, 311	451, 453, 455, 457,	218, 240, 271, 273,	547
0272448.....597	459, 461, 463, 465	277, 281, 286, 289,	0861880.....489, 491
0272521.....389	0700612 ... 71, 73, 75, 77	294, 302, 306, 310,	0902888....285, 293, 301,
0272588.....595	0700614 143, 153	313, 473	305, 309
0272589.....303	0700620 79, 503, 505,	0760814 ... 148, 160, 176,	0940049....71, 73, 75, 77,
0272725.....605	507, 509	190, 204, 218, 240,	120, 124
0272733.....605	0700817 ... 143, 153, 169,	249, 251, 315, 495,	0940092.....383
0273380.....307, 311	183, 197, 211, 233	497, 499, 503, 505,	0940094.....383
0275216.....447, 545	0700818 ... 143, 153, 285,	507, 509	0940102.....387
0275217.....451, 547	293, 301, 305, 309	0760815 ... 148, 160, 177,	0940103.....383
0275452.....453, 549	0700821 ... 169, 183, 197,	191, 204, 218, 240	0961845....349, 357, 359,
0275453.....455, 551	211, 313, 315	0760816 120, 124	361, 363, 365, 367, 369
0275454.....463, 553	0700822 233	0761009 277, 343	0961893.....415
0400075.....47, 49	0701017 ... 169, 183, 197,	0761010 33, 35	0961947.....329, 331
0440162....143, 153, 169,	211, 233	0761012 47, 49, 120, 124,	0961950....325, 327, 413
183, 197, 211, 233	0701018 69	127, 131, 325, 329,	0961951....148, 160, 176,
0440240.....59	0701020 69, 329, 331	331, 343	190, 204, 218, 240, 325
0480122.....277	0701219 275		0962051.....275

SECTION 11 - SPECIAL OPTIONS

0962270 371, 373	1001116774.....477	1001135196.....143, 153,	1001144433 385
0962335 329, 331	1001116808.....477	169, 183, 197, 211, 233	1001144629 351, 353,
0962336 415, 417	1001116812.....527	1001135650.....524, 528	355, 363, 367
0962348 327	1001116815..... 513, 556	1001135651.....524, 528	1001146588 234, 241
0962520 ... 285, 289, 293,	1001116952..... 523, 527	1001135679.....281, 293,	1001147264 523
297, 301, 305, 309	1001116983.....531	310	1001148059 298
1001091102 137, 471,	1001117057.....537	1001136834.....177, 191,	1001148138 282
487	1001117106..... 523, 556	205, 219, 241	1001148641 278, 281,
1001091969 447	1001117107..... 523, 527	1001137005.....605	286, 290, 294, 298,
1001091970 451	1001117110.....556	1001137032.....325, 327	302, 306, 310
1001091973 453	1001117140.....124	1001137673.....385	1001148675 467, 469
1001091974 455	1001117172.....379	1001138228.....177, 191,	1001148902 604
1001091975 463	1001117174.....377, 379,	205, 219, 241, 600	1001148903 604
1001093382 47, 49	600	1001138248.....177, 191,	1001148904 604
1001093553 571, 573,	1001117294.....604	205, 219, 241	1001148905 604
575, 577, 579, 581,	1001117308..... 177, 191,	1001138494.....357, 359,	1001148906 604
583, 585, 587, 589	205, 219, 241, 600	361, 363, 365, 367, 369	1001149160 120, 124
1001093684 579, 581	1001118378.....555	1001138514.....357, 359,	1001150324 ... 71, 73, 75,
1001095704 555, 601	1001118384.....561	361, 365, 369	77
1001096070 289, 297,	1001118388.....561	1001138565.....289	1001150918 154, 184,
491	1001118878..... 177, 191,	294, 297	211
1001097051 565	205, 219, 241	1001138795.....415	1001150998 148, 160
1001097150 489, 491,	1001118971..... 345, 601	1001138827177, 191,	1001151393 ... 89, 91, 93,
493	1001118972..... 69, 71, 73,	206, 220	95, 97, 99
1001097244 407	75, 77	1001139240.....177, 191,	1001152266 559
1001098122 379, 543	1001119020.....477	205, 219	1001152456 286, 294
1001098828 341	1001119032.....555	1001139357.....286, 290	1001152457 286, 294
1001098928 430, 438	1001119278..... 153, 183,	1001139384.....127, 129,	1001152483 493
1001099366 387	211	131, 133	1001152485 471, 493
1001099367 387	1001119619.....563	1001139654.....233	1001152489 177, 191,
1001099560 325, 327	1001119620..... 565, 567	1001139819.....148, 160	205, 219, 241
1001100341 545	1001120328..... 71, 73, 75,	1001140312.....191, 219	1001152525 286, 294,
1001100342 547	77, 79, 385, 399	1001140346.....294	303, 307, 311
1001100345 549	1001120466.....604	1001140347297	1001152530 286, 294
1001100346 553	1001120471.....407	1001140429.....349, 357,	1001152532 286, 290,
1001100347 551	1001120477.....407	359, 361, 363, 365,	294, 298, 535
1001101191 447, 451,	1001120484.....407	367, 369	1001153260 286, 294
453, 455, 463	1001120989.....592	1001140564.....177, 191,	1001154405 169, 183,
1001101196 447, 451	1001125387..... 170, 184,	206, 220	197, 212, 233, 253, 255
1001101197 453, 455,	197, 211	1001141300.....592	1001154726 537
463	1001125677..... 543, 556	1001141302.....592	1001155041 281
1001103012 555	1001126009.....561	1001141304.....177, 191,	1001155043 ... 81, 83, 85,
1001104029 285, 293,	1001126351..... 523, 528	205, 219, 241	87
302, 306, 310	1001126362..... 523, 527	1001141694.....148, 160,	1001155044 ... 81, 83, 85,
1001104498 555	1001126363..... 523, 527	177, 191, 205, 219, 241	87, 377
1001104519 539	1001126364..... 523, 527	1001141870.....253, 255	1001155045 ... 81, 83, 85,
1001106736 79	1001126365.....523	1001142501.....169, 183,	87, 377, 601
1001106837 67	1001126391..... 523, 527	197, 211, 233, 253, 255	1001155743 ... 71, 73, 75,
1001107854 555	1001126392..... 523, 527	1001142643.....294, 310	77
1001110092 431, 439	1001126485.....528	1001142646.....294, 310	1001155823 169, 183,
1001110434 377	1001126487.....528	1001142683.....115, 117,	197, 212, 233
1001110872 467, 469	1001128527.....393	600	1001156107 143, 153,
1001110873 286, 293,	1001128556.....393	1001142736.....115, 117,	234
306, 310, 443	1001129408.....511	477	1001157196 377, 600
1001111424 . 47, 49, 148,	1001129858.....286	1001142938.....524, 527	1001157520 303, 307,
160, 177, 191	1001131269..... 581, 587,	1001142940.....524, 527	311
1001112612 477, 556	589	1001142941.....524, 527	1001157521 303, 307,
1001112796 477, 517	1001132195..... 148, 160	1001143390.....148, 160,	311
1001113047 124	1001132196..... 148, 160	177, 191, 205, 219, 241	1001157525 302
1001113961 555	1001133714..... 524, 528	1001143797.....177, 191,	1001157528 303, 307,
100111424 205, 219	1001133715..... 524, 528	205, 219, 241	311
1001116208 591	1001133956..... 523, 528	1001143852.....592	1001157592 306, 310
1001116693 543	1001133957..... 523, 528	1001144116.....177, 191,	1001158007 303, 307,
1001116710 531	1001134488..... 177, 191,	205, 219, 241	311
1001116731 517	206, 220	1001144147.....517, 555	1001158008 286, 294,
1001116732 537	1001134543..... 53	1001144295.....71	303, 307, 311
1001116734 537			1001158363 286, 294

SECTION 11 - SPECIAL OPTIONS

1001159118.....467, 469, 600	1001166924..... 177, 191, 205, 219, 241	1001169582 65	1001172816.....113
1001159119.....467, 469	1001166970..... 169, 184, 197, 212, 233	1001169611 343	1001173233.....339
1001159120.....467, 469	1001166997 421	1001169669 323	1001173342..... 169, 184, 197, 212, 234, 531
1001159121.....469	1001167038 143, 153	1001169823 143, 154, 169, 184, 197, 212, 233	1001173354.....120, 124
1001159162.....79	1001167108 177, 191, 523	1001169967 177, 191, 205, 219, 241	1001173356.....120
1001159186.....533	1001167111 149, 160, 521	1001170035 177, 191, 205, 219, 241	1001173456.....495, 497, 499, 501, 503, 505, 507, 509
1001159256.....377, 601	1001167159 120	1001170094 601	1001173594.....495, 497
1001159323.....124, 575, 577	1001167164 271, 273	1001170145 47	1001173599.....503, 505
1001161709.....377, 601	1001167512 143, 154, 169, 184, 197, 212, 233	1001170224 317	1001173600.....501
1001162335.....178, 192, 253	1001167520 149, 160, 177, 191, 205, 219, 241	1001170551 120, 127	1001173605.....509
1001162531.....33, 37	1001167565 341	1001170564 345	1001173656.....315
1001162532.....35, 41	1001167567 341	1001170565 345	1001173657.....313
1001162538.....33, 35, 45	1001167596 341	1001170642 345	1001173665.....495, 497, 499, 501, 503, 505, 507, 509
1001163385.....321, 323, 419	1001167632 527	1001170662 271	1001173761.....495, 497, 499, 501, 503, 505, 507, 509
1001163386.....325, 327, 411	1001167635 528	1001170663 271, 273	1001173763.....343
1001163418.....69	1001167916 33	1001170664 271, 273	1001173807.....483, 495, 497, 499, 501
1001163459.....325	1001167917 35	1001170693 149, 161, 163	1001173808.....485, 495, 497, 499, 501, 503, 505, 507, 509
1001163470.....325	1001167918 124	1001170764 528, 559	1001173810.....305
1001163482.....323, 327	1001168018 149, 160, 177, 191, 205, 219, 241, 249, 251, 278, 281, 286, 290, 294, 302, 306, 310	1001170847 339, 345, 601	1001173811.....301
1001163483.....327	1001168026 177, 191, 205, 219, 241	1001170850 120	1001173899.....431, 439
1001163492.....327	1001168059 149, 161	1001171067 325, 327	1001173900.....431, 439
1001163939.....69	1001168099 177, 191, 205, 219, 241	1001171112 325, 327	1001173901.....431, 439
1001164487.....313, 315	1001168166 177, 191, 205, 219, 241	1001171131 467	1001173902.....431, 439
1001164489.....313, 315	1001168173 120	1001171324 325, 327	1001173903.....431, 439
1001164491.....313, 315	1001168207 249, 281, 294, 310	1001171339 577	1001173904.....431, 439
1001164492.....313, 315	1001168209 411, 421	1001171667 325, 327	1001173905.....439
1001164709.....413	1001168210 411	1001171953 145, 157, 173, 187, 201, 215, 237	1001173906.....439
1001165035.....169, 184, 197, 212, 233	1001168402 341	1001171966 325, 327	1001173907.....431, 439
1001165060.....120	1001168404 325	1001171967 325, 327	1001173908.....431, 439
1001165363.....421	100116841 325	1001172064 528	1001173909.....431, 439
1001165388.....148, 161, 177, 191, 205, 219, 241	100116842 325, 327	1001172065 528	1001173925.....286, 290, 302, 306
1001165389.....148, 160	100116843 321, 323	1001172128 495, 497, 499, 501, 503, 505, 507, 509	1001173927.....495, 497, 499, 501, 503, 505, 507, 509
1001165405.....177, 191, 205, 219, 241	100116844 321, 323	1001172195 143	1001173937.....431, 439
1001165406.....177, 191, 205, 219, 241	100116845 321, 323	1001172566 591	1001173983.....285
1001165531.....343	100116847 327	1001172567 591	1001174040.....341
1001165534.....343	100116848 325	1001172568 591	1001174098.....120, 124
1001165538.....343	100116849 325, 327	1001172569 591	1001174158.....298
1001165567.....329, 331	1001168854 321, 323	1001172570 591	1001174347.....604
1001165721.....177, 191, 205, 219	1001169046 120, 124	1001172573 591	1001174348.....604
1001165722.....177, 191, 205, 219, 241	1001169054 177, 191, 205, 219, 241	1001172575 591	1001174367.....309
1001165849.....177, 191, 205, 219, 241	1001169138 177, 191, 205, 219, 241	1001172576 591	1001174675.....298, 302, 306, 310
1001166000.....173, 176	1001169191 61	1001172578 387	1001174777.....187, 190
1001166020.....145, 148	1001169192 61	1001172630 604	1001174783.....157, 160
1001166031.....69	1001169193 61	1001172694 431	1001174925.....604
1001166338.....313	1001169284 325, 327	1001172696 431	1001174926.....604
1001166710.....69	1001169285 325, 327	1001172713 431, 439	1001175068.....317
1001166717.....148, 160	1001169286 325, 327	1001172715 431, 439	1001175071.....317
1001166718.....149, 160, 177, 191, 205, 219, 241, 249, 251	1001169287 325, 327	1001172719 431, 439	1001175073.....275
1001166894.....275	1001169288 325, 327	1001172720 431, 439	1001175074.....275
1001166921.....177, 191, 205, 219, 241	1001169289 325, 327	1001172721 431, 439	1001175170.....499
1001166922.....251	1001169380 325, 327	1001172751 604	1001175171.....507
	1001169496 65	1001172757 71, 73, 75, 77, 79	1001175239.....499
		1001172760 377	1001175241.....507

SECTION 11 - SPECIAL OPTIONS

1001175542..... 293	1001184682..... 111	1001193009..... 431, 439	1001205958..... 453, 455, 457, 459, 461, 463
1001175631..... 286, 294	1001185237..... 575	1001193010..... 431, 439	1001206314..... 120, 124
1001176469... 91, 93, 97, 99	1001185281..... 377	1001193011..... 431, 439	1001206402..... 124
1001176636..... 503, 505, 507, 509	1001185821..... 47, 49, 51	1001193018..... 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465	1001206404..... 124, 129
1001176862..... 467	1001186333..... 371	1001193133..... 591	1001206405..... 129
1001176899..... 343	1001186334..... 373	1001193134..... 591	1001206476..... 473
1001176952..... 479, 495, 497, 499, 501	1001186377..... 357	1001193135..... 591	1001206532..... 377
1001176953..... 481, 503, 505, 507, 509	1001186379..... 359	1001193136..... 591	1001206625..... 413
1001177359..... 177, 192, 205, 219, 241	1001186382..... 361	1001193336..... 69	1001207726..... 133
1001177523..... 313, 315	1001186383..... 355	1001193654..... 431, 439	1001208874..... 33, 35
1001178415..... 591	1001186384..... 353	1001193655..... 431, 439	1001208994..... 341
1001178433..... 591	1001186386..... 351	1001193656..... 431, 439	1001209059..... 606
1001178435..... 591	1001186431..... 385, 601	1001193657..... 431, 439	1001209099..... 337
1001178788..... 177, 191, 205, 219, 241	1001186432..... 539, 561	1001193658..... 431, 439	1001209100..... 337
1001178859..... 149, 161	1001186517..... 385	1001193659..... 431, 439	1001209432..... 473
1001178876..... 177, 192, 205, 219	1001187077..... 556	1001193661..... 431, 439	1001209474..... 473
1001179154..... 286, 294, 306, 311	1001187078..... 556	1001194197..... 457	1001209618..... 109
1001179156..... 313, 315	1001187382..... 341	1001194198..... 459	1001209664..... 385
1001179426..... 315	1001187383..... 341	1001194200..... 461	1001209677..... 471
1001179440..... 313	1001187522..... 278, 282, 537	1001194203..... 445	1001209832..... 471
1001179836..... 281	1001187674..... 397	1001194204..... 449	1001210251..... 431, 439
1001179837..... 281	1001187681..... 563	1001194365..... 465	1001210252..... 431, 439
1001179893..... 282	1001188622..... 341	1001195304..... 605	1001210254..... 431, 439
1001179903..... 178, 192, 205, 220, 241	1001188731..... 278, 282	1001196382..... 286, 290, 294, 298, 302, 306, 310	1001210636..... 407
1001180001..... 281	1001188844..... 341	1001196589..... 555	1001211556..... 245
1001180620..... 178, 192, 206, 220, 241	1001188972..... 153, 183, 212	1001196602..... 555	1001211633..... 124
1001180797..... 281	1001189001..... 341	1001196604..... 556	1001211636..... 124
1001180798..... 277	1001189002..... 341	1001196604..... 556	1001211877..... 271
1001181045..... 489, 491, 600	1001189171..... 493, 600	1001196634..... 269, 519, 555, 600	1001211878..... 271
1001181051..... 329, 331, 335	1001189172..... 493, 600	1001196636..... 555, 559, 600	1001212223..... 310
1001181075..... 431, 439	1001189236..... 145, 157, 173, 187, 201, 215, 237, 263	1001196637..... 75	1001212819..... 124
1001181076..... 439	1001189237..... 145, 157, 173, 187, 201, 215, 237, 259	1001197017..... 383	1001212822..... 124
1001181077..... 439	1001189521..... 67	1001197408..... 575, 577	1001213447..... 543
1001181243..... 282	1001189522..... 67	1001197719..... 528, 600	1001213448... 71, 73, 75, 77
1001181319..... 501	1001189523..... 67	1001199035..... 591	1001213882..... 377
1001181329..... 495, 497, 499, 507, 509	1001189805..... 21, 23, 25	1001199207..... 120, 124	1001214459..... 169, 173
1001181895..... 192, 220	1001190663..... 109, 111	1001199901..... 120, 124	1001214460..... 169
1001182296..... 278, 282	1001190868..... 143, 145	1001200458..... 127	1001214570..... 473
1001182361..... 523, 528	1001190869..... 143	1001200491..... 341	1001214571..... 473
1001182365..... 523, 528	1001190871..... 591	1001200494..... 341	1001214975..... 149, 161
1001182570..... 339, 345, 601	1001190872..... 571, 573, 575, 577, 579, 581, 583, 585, 587, 589, 591	1001201127..... 591	1001215229..... 377
1001182806..... 109	1001190921..... 556	1001201351..... 341	1001215285..... 583, 585
1001183206..... 604	1001190968..... 17	1001201633..... 131	1001215286..... 587, 589
1001183207..... 604	1001190985..... 341	1001201634..... 131	1001215290..... 583, 585
1001183407..... 604	1001191076..... 575, 577	1001201635..... 127	1001215373..... 79
1001183477..... 278, 282	1001191275..... 430, 438	1001201636..... 127	1001216550..... 19
1001184618..... 571, 573, 575, 577, 579, 581, 583, 585, 587, 589	1001191276..... 430, 438	1001202228..... 575, 577	1001216630..... 341
1001184626..... 377	1001191362..... 430, 438	1001202494..... 59	1001217210..... 591
1001184637..... 278	1001191364..... 430, 438	1001202687..... 341	1001217211..... 591
1001184644..... 278	1001191365..... 430, 438	1001202749..... 604	1001217488..... 591
1001184645..... 278	1001191395..... 604	1001202940..... 430, 439	1001218538..... 63
	1001191620..... 178, 192, 206, 220, 241	1001202941..... 431	1001218676..... 63
	1001192020..... 591	1001202942..... 439	1001219130..... 63
	1001192401..... 556	1001202946..... 431, 439	1001219134..... 124
	1001193003..... 431, 439	1001203434..... 495, 497	1001219601..... 79, 601
	1001193006..... 431, 439	1001203435..... 503, 505	1001219794..... 604
	1001193007..... 431, 439	1001203459..... 503, 505, 509	1001219904..... 21
	1001193008..... 431, 439	1001203655..... 371	1001220266..... 234
		1001203656..... 373	1001220379..... 524
		1001204482..... 604	1001221406..... 91
		1001204715..... 339, 345	1001221407..... 95
		1001204725..... 341	1001221408..... 89
			1001221927..... 325, 333
			1001222043..... 124
			1001222044..... 124

SECTION 11 - SPECIAL OPTIONS

1001222143.....91	1001230635..... 177, 191, 206, 220, 241	1001237883..... 604	1001244520.....438
1001222144.....95		1001237888..... 401, 403	1001244521.....431, 439
1001222145.....89	1001230784..... 290, 298, 487	1001237891..... 403	1001244522.....431, 439
1001223055.....571, 573		1001237898..... 401, 403	1001244671.....403
1001223122.....241, 286, 290, 294, 298, 302, 306, 310	1001230907..... 487	1001237902..... 401, 403, 601	1001244709.....403
1001223309.....273	1001230908..... 289	1001238254..... 377, 543	1001244710.....403
1001223310.....273	1001230934..... 523, 528	1001238256..... 71, 73, 75, 77, 541	1001244732.....403
1001223328.....273	1001230935..... 523, 528	1001238319..... 397	1001244733.....403
1001223387.....124	1001230936..... 523, 528	1001238418..... 399, 561	1001244873.....321
1001223453.....571, 573, 579, 581	1001231195..... 69, 601	1001238421..... 341	1001244874.....321, 325
1001223454.....273	1001231235..... 605	1001238463..... 604	1001245305.....234
1001223459.....523, 527	1001231801..... 591	1001238472..... 399	1001245379..... 83, 87, 107
1001223802.....169, 184, 197, 212	1001231886..... 109	1001238479..... 71	1001245380..... 77, 87
1001223899.....329, 331	1001232164..... 397	1001238480..... 75	1001245828.....93
1001223971.....579, 581	1001232165..... 397	1001238495..... 385	1001245829.....99
1001224048.....587, 589	1001232642..... 399	1001238559..... 399	1001245832.....93
1001224888.....343	1001232667..... 399, 601	1001238887..... 81, 103	1001245833.....99
1001225346.....473, 601	1001232842..... 269	1001238911..... 241	1001245988..... 73, 83
1001225430.....223, 227, 246	1001232907..... 135	1001238913..... 97	1001245990..... 73
1001225431.....227, 246	1001232908..... 135	1001238914..... 97	1001245992..... 77
1001225580.....385, 539	1001232913..... 135	1001238932..... 49	1001246087.....63
1001226400.....479, 481	1001232915..... 135	1001239202..... 527	1001246389.....401
1001226531.....473	1001232916..... 135	1001239293..... 75, 85	1001246859..... 79, 555
1001226541.....517, 556	1001232917..... 135	1001239294..... 71, 81	1001246860.....605
1001226636.....517	1001233047..... 604	1001239333..... 579	1001246867.....605
1001226637.....517	1001233048..... 135	1001239334..... 581	1001247048.....327, 329, 331
1001226739.....511, 513, 517	1001233075..... 135	1001239335..... 579	1001247073.....605
1001226799.....513	1001233076..... 135	1001239336..... 581	1001247252.....401
1001226872.....349	1001233077..... 135	1001239512..... 71, 73, 77	1001247468.....341
1001227453.....511	1001233412..... 135	1001239519..... 375, 377	1001247656.....297
1001227568.....153	1001233413..... 135	1001239520..... 375	1001248012.....329, 415
1001227569.....183	1001233436..... 135	1001239557..... 571	1001248190.....298
1001227570.....154, 157	1001233763..... 184, 212, 269	1001239558..... 571	1001249965.....177, 191, 223
1001227571.....184, 187	1001233799..... 605	1001239560..... 573	1001250287.....120, 124
1001227576.....154	1001233959..... 101, 381	1001239561..... 573	1001250289.....120, 124
1001227633.....397	1001234800..... 523, 527	1001239567..... 587	1001250681..... 71, 73, 75, 77
1001227634.....397	1001235528..... 103, 105, 107	1001239571..... 587	1001250764.....571, 573, 579, 581, 583, 585, 587, 589, 591
1001227662.....571, 573	1001235529..... 103, 105, 107	1001239582..... 589	1001250765.....575, 577
1001227695.....579, 581	1001235531..... 85, 105	1001239583..... 589	1001250835.....575
1001227698.....587, 589	1001235949..... 206, 220, 241, 255	1001239585..... 583	1001250836.....577
1001227985.....397	1001235949..... 206, 220, 241, 255	1001239587..... 583	1001250906.....575
1001227987.....397	1001236091..... 101	1001239594..... 585	1001250907.....577
1001227996.....565, 567	1001236303..... 49	1001239595..... 585	1001251012.....331, 417
1001228092.....321, 323, 413	1001236304..... 473	1001241162..... 401	1001251075.....325, 327, 421
1001228215.....349	1001236304..... 473	1001241965..... 399	1001252033.....605
1001228224.....397, 601	1001236504..... 473	1001242639..... 604	1001252034.....605
1001228225.....397, 601	1001236505..... 473	1001242851..... 115	1001252527.....523, 528
1001228243.....367	1001236540..... 604	1001242852..... 117	1001253375.....539
1001228375.....369	1001236541..... 604	1001243092..... 401	1001253618.....605
1001228376.....363	1001236552..... 399	1001243183..... 604	1001253619.....605
1001228377.....365	1001236608..... 21, 23	1001243184..... 604	1001253726.....387
1001228406.....120, 124	1001236609..... 17	1001243205..... 401	1001254472.....399
1001228487.....53, 56	1001236746..... 604	1001243414..... 120, 124	1001254473.....399
1001228492.....53	1001236747..... 604	1001243869..... 275	1001254665.....571
1001228954.....513	1001236780..... 241	1001243870..... 275	1001254666.....571
1001228955.....513	1001237546..... 101	1001243895..... 269	1001254667.....579
1001228988.....393, 595, 597	1001237549..... 135	1001244019..... 249	1001254668.....579
1001229341.....397	1001237667..... 543, 555	1001244024..... 251	1001254669.....587
	1001237668..... 543, 555	1001244288..... 233	1001254670.....587
	1001237822..... 71, 73, 75, 77	1001244335..... 403	1001254677.....583
	1001237862..... 565, 567	1001244336..... 401	1001254678.....583
	1001237863..... 397, 565	1001244414..... 19	
	1001237864..... 397, 567	1001244421..... 21	
	1001237865..... 397, 563	1001244462..... 137	
		1001244519..... 430	

SECTION 11 - SPECIAL OPTIONS

1001254750.....	573	1001276643.....	206, 220, 242, 527	1060918.....	379	1703814.....	17, 19, 23
1001254751.....	581	1001276923.....	604	1062255.....	374	1703924.....	579, 581
1001254752.....	589	1001277432.....	149, 161, 178, 192, 242	10702077...302, 307, 311		1703926.....	583, 585
1001254756.....	585	1001277589.....	242, 245	10702082...303, 307, 311		1703927.....	587, 589
1001255133.....	341	1001277594.....	237, 240	10836804...81, 83, 85, 87		1703930.....	579, 581
1001255807.....	604	1001277601.....	234, 237	1120555.....	387	1703932.....	583, 585
1001255901.....	519	1001277839.....	606	1260017.....	65	1703933.....	587, 589
1001256506.....	524	1001280340.....	79	1320016.....	148, 160	1703936.....	579, 581
1001256507.....	523	1001281192.....	297	1320061.....	233	1703938.....	583, 585
1001256879.....	234	1001281985.....	206, 220	1320176.....	317	1703939.....	587, 589
1001257275.....	604	1001281986.....	206, 220	1320187.....	233	1703942.....	579, 581
1001258340.....	313	1001282106.....	101, 381	1320190.....	233	1703944.....	583, 585
1001258341.....	315	1001282215.....	605	1320223.....	153, 183, 211	1703945.....	587, 589
1001258730.....	401, 403	1001283776.....	113, 475	1320302.....	389, 391, 393	1703948.....	579, 581
1001258800.....	297	1001284515.....	605	1321716....176, 190, 204, 218, 240, 277, 281, 286, 289, 294, 297, 302, 306, 310		1703950.....	583, 585
1001258804.....	241	1001284582.....	381	1380147.....	275	1703951.....	587, 589
1001259446.....	604	1001284583.....	381	1580012.....	405	1703953.....	571, 573
1001260412....178, 192, 206, 220, 241		1001284679.....	591	1580013.....	605	1703980.....	583, 585
1001260420....177, 191, 206, 220, 241		1001284680.....	591	1600359.....	377, 600	1703981.....	587, 589
1001260524.....	401	1001284823....71, 73, 75, 77, 559		1670603.....	465	1703984.....	579, 581
1001260525.....	401, 403	1001285142.....	124, 133	1670769....503, 505, 507, 509		1704000.....	579, 581
1001260680....503, 505, 507, 509		1001285143.....	124	1671092.....	307, 311	1704260.....	377
1001261045.....	297	1001285517.....	120, 131	1671093.....	391	1704277...571, 573, 575, 577, 579, 581, 583, 585, 587, 589	
1001261085.....	297	1001285518.....	120	1701499...17, 19, 23, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589		1704412...571, 573, 575, 577, 579, 581, 583, 585, 587, 589	
1001262016.....	605	1001285811.....	137	1701500....571, 573, 575, 577, 579, 581, 583, 585, 587, 589		1704460.....	377
1001262322.....	511	1001285871.....	604	1701504....571, 573, 575, 577, 579, 581, 583, 585, 587, 589		1704468.....	571, 573
1001262326.....	511	1001285891.....	137	1701505....143, 153, 169, 183, 197, 211, 233		1704885.....	591
1001262959.....	606	1001285892.....	137	1701509....387, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589		1704972.....	591
1001263176.....	111	1001288195.....	345	1701518.....	575, 577	1705014.....	371, 373
1001265163.....	407	1001289831.....	605	1701529....571, 573, 575, 577, 579, 581, 583, 585, 587, 589		1705305....393, 595, 597	
1001265342.....	407	1001289832.....	605	1702300....571, 573, 575, 577, 579, 581, 583, 585, 587, 589		1705325.....	445, 447
1001266056.....	605	1001289905.....	605	1702566.....	377	1705355.....	595, 597
1001266098.....	605	1001289906.....	605	1702567.....	377	1705358.....	591
1001266290.....	605	1001291401....178, 192, 206, 220, 242		1702773....371, 373, 575, 577, 591		1705374...285, 293, 467, 469	
1001266489.....	605	1001292585.....	605	1702774.....	591	1705375.....	307, 311
1001268234.....	591	1001293176.....	604	1702861.....	591	1705387...285, 293, 307, 311	
1001268737.....	604	1001294763.....	592	1702868....393, 571, 573, 597		1705460....303, 307, 311	
1001269322.....	393	1001294815.....	592	1702938.....	383	1705461.....	303
1001269573.....	393	1001295242.....	331	1702941....153, 183, 211		1705489...289, 297, 302, 303	
1001269655.....	605	1001297385.....	105	1702942....153, 183, 211		1705822.....	575, 577
1001270482.....	605	1001297386.....	107	1702943....153, 183, 211		1705828.....	575, 577
1001270594.....	113	1001297390.....	103	1702944....153, 183, 211		1705921.....	575, 577
1001270716.....	606	1001299766....71, 73, 75, 77, 533		1703162....148, 160, 176, 190, 204, 218, 240		1705961.....	575, 577
1001270755.....	606	1001301483....71, 73, 75, 77, 555		1703797.....	571, 573	1706061.....	591
1001271497.....	543	1001302954....206, 220, 227		1703798.....	571, 573	1706062.....	591
1001272166.....	605	1001302955....201, 204		1703804.....	571, 573	1706064.....	591
1001272288.....	591	1001302956....215, 218		1703805.....	571, 573	1706098.....	591
1001272659.....	515	1001302962....198, 201				1706385.....	371, 373
1001272681.....	115	1001302964....212, 215				2030010....389, 391, 393	
1001272682.....	117	1001302971.....	197			2060025.....	148, 160
1001272997.....	519	1001302974.....	211			2060404.....	430, 438
1001273012....515, 519		1001303167.....	605			2080040...297, 351, 353, 355, 363, 367, 471	
1001274559...81, 83, 85, 87, 377, 601		1001303430.....	387			2080069.....	401, 403
1001274829.....	605	1001311034....399, 601				2110806.....	430, 438
1001274830.....	605	1060341.....	383			2111212.....	67
1001274832.....	605	1060343.....	306, 311			2131212....67, 430, 438	
1001275629....377, 600		1060494.....	278, 282			2151212.....	430, 438
1001275635....430, 438		1060626....153, 183, 211				2170212.....	430, 438
1001275642.....	605	1060903.....	383			2170406.....	430, 438
1001275644.....	605	1060908....489, 491, 493					

SECTION 11 - SPECIAL OPTIONS

2170808.....430, 438	2600281 ... 351, 353, 355, 363, 367	3290606 ... 357, 359, 361, 365, 369	3311705.....277, 281
2180348.....143, 153	2720015 ... 176, 190, 204, 218, 240	3290801 313, 315	3312005.....387
2180832....169, 183, 197, 211, 233	2720058 143, 153	3290805 ... 143, 148, 153, 160, 169, 176, 183, 190, 197, 204, 211, 218, 233, 240, 249, 251, 271, 273, 277, 281, 285, 289, 293, 302, 306, 309, 313, 315, 473, 495, 497, 499, 503, 505, 507, 509	3312205.....387
2200221.....67	2720340 ... 176, 190, 204, 218, 240	3290806 341	332100147, 49, 148, 160, 177, 191, 205, 219
2200261....149, 161, 178, 192, 242	2720398 148, 161	3291001 ... 71, 73, 75, 77, 176, 190, 204, 218, 240, 341	3322201.....67
2220124.....61	2720447 148, 161	3291005 ... 61, 69, 71, 73, 75, 77, 120, 124, 127, 129, 131, 133, 135, 143, 148, 153, 160, 169, 176, 183, 190, 197, 204, 211, 218, 233, 240, 277, 281, 329, 331, 341, 343, 345, 495, 497, 499, 501, 503, 505, 507, 509	3331211....249, 251, 277, 281, 285, 289, 293, 302, 306, 309
2220237.....430, 438	2750532 ... 143, 153, 170, 184, 197, 211, 233	3291201 ... 281, 285, 289, 293, 297, 302, 306, 309, 341	3331215....148, 160, 176, 190, 204, 218, 240
2220238.....430, 438	2820031 ... 277, 281, 285, 289, 293, 297, 301, 306, 309	3291205 ... 275, 321, 323, 325, 327, 341	3340956.....387
2220273.....61	2820035 269	3291207 67	3380434.....375
2220313....143, 153, 169, 183, 197, 211, 233	2820247 565, 567	3291602 53	3421565.....65
2220365.....430, 438	2840016 275	3291605 321, 323	3422532....143, 153, 169, 183, 197, 211, 233
2220366.....430, 438	2860030 ... 89, 91, 93, 95, 97, 99, 601	3300151 ... 349, 357, 359, 361, 363, 365, 367, 369, 389, 391, 393	3422793.....327
2220371.....430, 438	2900770 . 37, 41, 42, 411, 421	330022047, 49, 148, 160, 177, 191, 205, 219	3422860.....329, 331
2220372.....430, 438	2900792 415, 417	3300353 377	3422861.....329, 331
2220373.....430, 438	2901443 605	3300396 ... 286, 294, 302, 307, 311	3422867.....329, 331
2220374.....430, 438	2902065 ... 148, 161, 176, 190, 204, 218, 240, 267	3300408 101	3430616.....377
2220376.....257	2902212 387	3300430 385, 403	3430820.....275
2220377.....430, 438	2902217 389, 391	3310401 ... 176, 190, 204, 218	3450404.....275
2220451....148, 160, 430, 438	2902443 521, 523, 527	3310601 275	3460334.....387
2220466.....430, 438	2902549 487, 489	3311001 ... 253, 255, 277, 281, 286, 294, 302, 307, 311	3470003.....377
2220472.....438	2920028 383	3311005 67, 389, 391, 393	3520028.....277, 282
2220473.....67, 430, 438	2920029 383	3311401 383	3520054....148, 160, 177, 191, 204, 218, 240, 377
2220497.....430, 438	2940045 133	3311405 ... 375, 399, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465, 473, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589	3520071.....387
2220500.....430, 438	2940074 ... 351, 353, 355, 363, 367, 601	3311501 ... 71, 73, 75, 77, 120, 124, 383	3520072....349, 351, 353, 355, 357, 359, 361, 363, 365, 367, 369, 371, 373
2220502.....430, 438	2940173 ... 127, 129, 131, 133	3311605 ... 178, 192, 204, 218, 253, 255, 371, 373, 375, 389, 391, 393	3520189.....302
2220518.....430, 438	3124242 387		3520192.....302
2220578....313, 315, 430, 438	3251102 289, 297		3520198....349, 351, 353, 355, 357, 359, 361, 363, 365, 367, 369
2220582.....430, 438	3251242 ... 449, 451, 453, 455, 457, 459, 461, 463, 465		3573400....389, 391, 393
2220600.....430, 438	3251243 ... 277, 281, 285, 293, 307, 311, 571, 573, 579, 581		3573642.....389, 391
2220603.....430, 438	3252347 571, 573		3574091.....383
2220695.....430, 438	3252764 302, 306, 309		3577121....389, 391, 393
2220700....313, 315, 430, 438	3271601 120, 124		3580158.....277
2220726.....67, 430, 438	3271805 371, 373		3580276.....277
2220767....169, 183, 197, 211	3290405 ... 113, 115, 117, 137, 345, 407, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465, 487		3580317....285, 289, 293, 297, 302, 306, 309
2220775.....430, 438	3290505 ... 285, 293, 302, 306, 309		3580318....285, 293, 306, 309
2220810.....257	3290601 ... 109, 111, 127, 129, 131, 133, 430, 438		3580319....289, 297, 302
2220881.....411, 421	3290605 ... 47, 49, 71, 73, 75, 77, 79, 115, 117, 124, 133, 143, 148, 153, 160, 169, 176, 183, 190, 197, 204, 211, 218, 233, 240, 271, 273, 277, 281, 285, 289, 293, 297, 302, 306, 309, 345, 471, 487		3580320....281, 285, 289, 293, 302, 306, 309
2220883...38, 42, 45, 413, 415, 417			3600242....145, 157, 173, 187, 201, 215, 237, 257
2220885....415, 417, 421			3600395.....257
2220886.....421			3740067.47, 49, 148, 160
2220906.....430, 438			3740080....278, 281, 537, 601
2220946.....430, 438			3740086.....561, 601
2220947.....430, 438			3740140....148, 160, 600
2220948.....430, 438			3760133.....325, 327
2220998.....67			3760170.....65
2221063.....313, 315			3790012.....75, 77, 377
2221086.....430, 438			3790045....145, 157, 173, 187, 201, 215, 237
2400060....269, 407, 543			3790152....157, 187, 215
2400066.....537			
2410014.....371, 373			
2420203.....277, 282			
2460048.....301, 305			
2460055.....277			
2540020....113, 115, 117			
2560136.....377			
2560187....127, 129, 131, 133			
2580024....153, 183, 211			
2580062.....160			

SECTION 11 - SPECIAL OPTIONS

3820001 ... 571, 573, 575, 577, 579, 581, 583, 585, 587, 589	278, 281, 285, 289, 293, 297, 302, 306, 309, 377, 383, 389, 391	4460458....523, 528, 541, 556, 559	4460887 407, 543, 555
3820020 ... 351, 353, 355, 363, 367	4240149 387	4460460.....541, 559	4460891 ... 109, 111, 113, 477, 524, 531, 556, 559
3841143 ... 143, 153, 169, 183, 197, 211, 233, 325, 329, 331, 341	4360057 383	4460464....115, 117, 339, 345, 379, 407, 475, 477, 483, 485, 517, 519, 531, 537, 539, 543, 555, 556, 561	4460894 ... 517, 521, 524, 527, 543, 555, 559
3841203 ... 321, 323, 327	4360070 ... 286, 294, 302, 307, 311, 600	4460465....109, 111, 113, 339, 345, 407, 477, 479, 481, 483, 485, 517, 521, 523, 524, 527, 535, 539, 543, 555, 556, 559	4460897 ... 115, 117, 475, 531
3841258 321, 323	4360274 93, 99, 601	4460466 71, 75, 397, 401, 407, 475, 477, 479, 481, 483, 517, 521, 523, 524, 527, 537, 539, 543, 555, 556, 561, 563	4460899 ... 485, 539, 556, 561, 563
3841340 ... 495, 497, 499, 501, 503, 505, 507, 509	4360328 75, 77, 601	4460467 606	4460905 ... 533, 543, 555, 559
3900054 371, 373	4360336 ... 278, 281, 285, 289, 293, 297, 302, 306, 309, 601	4460470....71, 73, 75, 77, 377	4460906 537
3900267 286, 294	4360387 ... 91, 93, 97, 99, 377, 383, 601	4460471....71, 73, 75, 77, 377	4460910 567
3900300 286, 294	4360407 377, 601	4460473.....479, 481	4460911 563
3900349 377	4360469 ... 89, 91, 93, 95, 97, 99, 601	4460475.....541	4460928 477
3910408 ... 176, 190, 204, 218	4360476 ... 81, 83, 85, 87, 600	4460496....71, 73, 75, 77	4460930 71, 75, 483, 521, 524, 527, 555
3910606 ... 285, 293, 306, 309, 467, 469	4360517 67	4460497....71, 73, 75, 77	4460931 71, 75, 401, 475, 555, 556
3910610 275, 443	4360542 277, 282, 600	4460498....71, 73, 75, 77	4460932 407, 519, 531
3910804 ... 89, 91, 93, 95, 97, 99	4420014 387	4460499....71, 73, 75, 77	4460933 477, 543, 556
3931008 67	4420037 389, 391, 393	4460500....397, 543, 556	4460941 531, 563
3931408 385	4420051 591	4460501.....479, 481	4460942 ... 397, 524, 527, 531
3931512 ... 176, 190, 204, 218, 240	4420066 387	4460502.....605	4460943 79, 401, 403, 555, 563
3931620 ... 145, 157, 173, 187, 201, 215, 237	4420068 383	4460503.....477	4460944 523, 524, 527
3931628 281, 293, 309	4460019 527	4460504.....467, 469	4460956 489, 491
3960389 135	4460027 277, 282	4460505.....457, 459, 461, 465	4460957 489, 491
3960407 148, 160	4460042 524, 527, 555	4460506.....556	4460958 469
3960422 ... 285, 293, 306, 309, 443, 467, 469	4460043 269, 523, 527	4460507.....605	4460961 277, 282
4010405 471, 487	4460049 383	4460508.....477	4460962 391
4010618 ... 357, 359, 361, 365, 369	4460071 ... 285, 293, 306, 309, 379, 443	4460509.....79, 339, 345, 403, 483, 485, 543	4460963 307, 311
4031505 397	4460115 528	4460510.....339, 345, 483, 485, 527, 543, 559	4460967 555
4031507 137	4460134 278, 282	4460511.....467, 469	4460968 445, 449
4031509 ... 113, 115, 117	4460138 278, 282	4460512.....457, 459, 461, 465	4460970 543
4031516 399	4460183 543, 555	4460513.....556	4460979 541
4031914 ... 176, 190, 204, 218, 240	4460190 277, 282	4460514.....556	4461005 521
4032014 281, 293, 309	4460205 443	4460515.....556	4461008 521, 523, 527
4032015 ... 285, 289, 302, 306	4460225 ... 302, 306, 309, 535, 543	4460516.....556	4461052 521
4060802 ... 278, 281, 285, 289, 293, 297, 302, 306, 309	4460226 379, 556	4460517.....556	4461054 524, 527
4060805 ... 148, 161, 176, 190, 204, 218, 240	4460227 543	4460518.....556	4461070 477, 523
4070897 325, 327	4460234 ... 71, 73, 75, 77, 113, 377, 383, 511, 513	4460519.....556	4461071 ... 521, 523, 527
4070898 325, 327	4460247 523, 527	4460520.....556	4461072 ... 521, 523, 527
4071009 53	4460259 ... 407, 533, 543, 556	4460521.....559	4461073 ... 521, 523, 527
4100026 430, 438	4460260 ... 407, 533, 543, 556	4460522.....559	4461074 521, 523, 527
4160182 120	4460267 543	4460523.....559	4461077 561, 563
4240018 ... 430, 438, 467, 469	4460268 277, 282, 535	4460524.....559	4461095 477, 521, 523
4240032 ... 71, 73, 75, 77, 113, 178, 192, 204, 218, 242, 511, 513, 515	4460313 ... 521, 555, 559	4460525.....559	4461157 541
4240033 385, 397, 399	4460315 443	4460526.....559	4461196 545
4240099 ... 71, 73, 75, 77, 115, 117, 143, 148, 153, 160, 169, 176, 183, 190, 197, 204, 211, 218, 240, 269,	4460321 277, 282	4460527.....559	4461198 445, 545
	4460346 ... 285, 293, 306, 309, 443	4460528.....559	4461199 547
	4460384 465	4460529.....559	4461201 449, 547
	4460418 533, 543	4460530.....559	4461205 549, 551
	4460419 533, 543	4460531.....559	4461244 457, 549
	4460424 556	4460532.....559	4461245 459, 551
	4460425 ... 286, 294, 302, 307, 311, 383, 467, 469	4460533.....559	4461246 461, 553
	4460426 ... 286, 294, 302, 307, 311	4460534.....559	4461249 553
	4460428 377	4460535.....559	4530028 389, 391, 395
	4460434 543	4460536.....559	4640452 421
		4460537.....559	4640509 415, 417
		4460538.....559	4640744 257
		4460539.....559	4640751 ... 176, 190, 204, 218, 240
		4460540.....559	4641390 413
		4460541.....559	4710400 ... 176, 190, 204, 218
		4460542.....559	
		4460543.....559	
		4460544.....559	
		4460545.....559	
		4460546.....559	
		4460547.....559	
		4460548.....559	
		4460549.....559	
		4460550.....559	
		4460551.....559	
		4460552.....559	
		4460553.....559	
		4460554.....559	
		4460555.....559	
		4460556.....559	
		4460557.....559	
		4460558.....559	
		4460559.....559	

SECTION 11 - SPECIAL OPTIONS

4711000....67, 71, 73, 75, 77, 253, 255, 286, 294, 302, 307, 311	293, 302, 306, 309, 313, 315, 341, 473, 495, 497, 499, 503, 505, 507, 509	5250810 ... 177, 191, 205, 219, 286, 289, 294, 297, 302, 306, 310	70002297...301, 305, 310
4711400....127, 129, 131, 133, 349, 357, 359, 361, 363, 365, 367, 369, 385, 399, 401, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465	4811902 ... 120, 143, 153, 169, 183, 197, 211, 233, 240, 313, 315	5251008 ... 325, 327, 339, 341, 345	700023371.....419
471150047, 49, 120, 143, 153, 169, 176, 183, 190, 197, 204, 211, 218, 233, 240	4812000 ... 33, 35, 47, 49, 61, 69, 71, 73, 75, 77, 120, 124, 127, 129, 131, 133, 135, 143, 148, 153, 160, 169, 176, 183, 190, 197, 204, 211, 218, 233, 240, 278, 281, 294, 297, 310, 325, 327, 341, 343, 345, 495, 497, 499, 501, 503, 505, 507, 509	5251009 325, 327 5251011 325, 327 5251012 ... 103, 105, 107, 124	70002373...411, 417, 419
4711600....120, 124, 253, 255, 285, 289, 293, 297, 302, 306, 309, 375, 377	4812002 ... 33, 35, 69, 71, 73, 75, 77, 120, 124, 240	5251014 33, 35, 120 5251016 337, 341 5251215 ... 143, 153, 169, 183, 197, 211, 233, 240	7000238638, 42, 45, 413, 600
4711700.....278, 281	4812100 67, 143, 153, 169, 176, 183, 190, 197, 204, 211, 218, 233, 240, 275, 285, 289, 302, 306, 325, 327, 341	5260800 ... 286, 289, 294, 297, 302, 306, 310	70002412.....421
4711800.....371, 373	4812200 ... 148, 160, 176, 190, 205, 219, 240, 249, 251, 278, 281, 285, 289, 293, 302, 306, 309	5261000 ... 103, 105, 107, 337	70002460...301, 305, 310
4712000.....387	4844816 329, 331	5261018 127, 499	70002718..163, 223, 227, 246
4712200.....387	4844817 329, 331	5261200 ... 143, 153, 169, 183, 197, 211, 233, 241	70002838.....69
4740362.....375	4846562 387	70000342 333, 335	70002902.....379
4740439.....329, 331	4846627 389, 391	70000345 164, 245	70002903.....379
4750600.....275	4846673 383	700004508 223	70002904.....379
4751000....69, 278, 281, 389, 391, 393	487170047, 49, 285, 289, 293, 297, 302, 306, 309	70000619 .. 301, 305, 309	70002905.....379
4751400....375, 377, 383, 389, 391, 393, 403, 405, 473, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589	4891600 ... 145, 157, 173, 187, 201, 215, 237, 341	70000787 164	70002974.....37, 41
4751500....278, 281, 383	4891800 ... 145, 157, 173, 187, 201, 215, 237	70000793 267	70003023.....37, 41
4751600....178, 192, 204, 218, 389, 391, 393	4892000 59	70000800 163	70003024.....37, 41
4751800....371, 373, 383	4892600001 341	70000851 164	70003408.....37, 41
4760600.....443	4922641 ... 278, 282, 286, 290, 294, 298, 302, 306, 310	70000863 .. 301, 305, 310	70003454.....67
476100047, 49, 148, 160, 177, 191, 205, 219	4922802 501	70000912 163	70003463.....163, 600
4761400.....405	4922803 509	70000913 163	70003464.....163
4770600.....275	4922925 ... 302, 306, 309	70000914 163	70003468.....164
4811400....113, 115, 117, 345, 407, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465	4923451 149, 160	70000915 163	70003469.....164
4811600....285, 293, 302, 306, 309	4933218 383	70000916 163	70003472.....163
4811700....47, 49, 71, 73, 75, 77, 79, 109, 111, 115, 117, 127, 129, 131, 133, 143, 148, 153, 160, 169, 183, 197, 211, 233, 240, 278, 281, 285, 289, 293, 297, 302, 306, 309, 357, 359, 361, 365, 369, 430, 438, 471, 487, 503, 505, 507, 509	5240800 ... 143, 153, 169, 183, 197, 211, 233	70000917 163	70003473.....163
4811702....178, 192, 204, 218, 234, 240, 271, 273, 298, 471, 487	5241200 ... 148, 160, 176, 190, 205, 219, 240, 249, 251, 278, 281, 285, 289, 293, 297, 302, 306, 310, 341	70000918 163	70003475.....163
4811900....124, 148, 160, 169, 176, 183, 190, 197, 204, 211, 218, 233, 240, 249, 251, 278, 281, 285, 289,	5241600 53	70000919 164	70003479.....163
	5242000 53	70000931 164	70003480.....163
	5250808 ... 286, 289, 294, 302, 306, 310	70001002 163	70003481.....163
		70001100 .. 301, 305, 310	70003612.....51
		70001181 163	70003614.....69
		70001384 .. 301, 305, 310	70003631...301, 305, 310
		70001423 163	70003708..286, 289, 294, 297, 301, 305, 310
		70001435 164	70003709..286, 289, 294, 297, 301, 305, 310
		70001498 164	70003783..148, 161, 177, 191, 600
		70001654 163	70003788.....38, 42, 413, 600
		70001655 163	70003931.....164
		70001696 301, 305	70003932.....164
		70001697 333, 335	70003977.....37, 41
		70001844 164	70004000.....51
		70001850 163	70004013.....51
		70001866 164	70004014.....51
		70001868 164	70004056.....164
		70001870 . 163, 224, 228, 246	70004058.....164, 600
		70001871 164	70004059.....164
		70001872 164	70004060.....164
		70001953 301, 305	70004062.....164
		70001966 . 286, 290, 294, 297, 301, 305, 310	70004092..286, 290, 294, 297, 310
		70001973 .. 301, 305, 310	70004094.....310
		70001974 .. 301, 305, 310	70004098...286, 294, 310
		70002057 56	70004099...294, 297, 310
		70002063 45	70004102.....164
		70002088 301, 305	70004103.....164
		70002234 164	70004169.....301, 305
		70002291 310	70004171..286, 290, 301, 305
			70004231.....413
			70004267.....51
			70004268.....163
			70004269.....163
			70004270.....164
			70004281...223, 227, 246

SECTION 11 - SPECIAL OPTIONS

70004282	223, 227	70005088	37, 41	70005285	17, 19, 23	70006703	413
70004469	56	70005089	37, 41	70005286	17, 19, 23	70006704	413
70004481	56	70005090	37, 41	70005288	17, 19, 23	70006705	413
70004482	56	70005091	37, 42	70005289	17, 19, 23	70006706	413
70004494	56	70005092	37, 41	70005291	17, 19, 23	70006734	415
70004504	246	70005093	41	70005317	56	70006735	415
70004505	246	70005108	37, 41	70005318	56	70006736	415
70004506	246	70005109	37, 42	70005322	67	70006817	421
70004507	246	70005139	51	70005343	27	70006990	56
70004508	227, 246	70005140	419	70005344	27	70006994	56
70004509	246	70005141	419	70005345	27	70006997	56
70004510	246	70005142	411, 419	70005346	27	70006998	56
70004676	286, 290, 294, 297	70005143	411, 419	70005347	27	70006999	56
70004677	290	70005144	411, 419	70005348	27	70007001	56
70004678	286, 290, 294, 297	70005145	411, 419	70005349	27	70007002	56
70004679	286, 290, 294, 297	70005146	419	70005350	27	70007003	56
70004680	286, 290, 294, 297	70005147	411	70005351	27	70007004	56
70004681	290, 297	70005148	411	70005352	27	70007006	56
70004682	286, 290, 294, 298, 601	70005149	411	70005353	27	70007022	56
70004683	290, 298	70005171	223, 227, 246	70005354	27	70007023	56
70004684	286	70005172	224, 228, 246	70005355	27	70007024	56
70004685	286, 294	70005173	223	70005356	27, 29	70007025	56
70004686	297	70005176	246	70005357	29	70007026	56
70004687	294	70005177	223, 227, 246	70005358	29	70007027	56
70004794	69	70005180	227	70005359	29	70007028	56
70004883	45	70005182	223, 227	70005360	29	70007029	56
70004884	45	70005183	223	70005361	29	70007030	56
70004890	259, 263	70005184	223, 227, 245	70005362	29	70007031	56
70004892	259, 260, 263, 264	70005191	245	70005363	29	70007032	56
70004893	259, 263	70005217	37, 41	70005364	29	70007046	56
70004894	259, 263	70005218	37, 41	70005365	29	70007062	421
70004896	260	70005219	38, 42, 600	70005366	29	70007063	421
70004899	261, 264	70005244	67	70005367	25	70007064	421
70004901	260, 264	70005245	259, 263	70005368	25	70007065	421
70004905	264	70005246	259, 263	70005369	25	70007066	421
70004906	260, 264	70005247	259, 263	70005370	25	70007067	421
70004907	264	70005248	259, 263	70005371	25	70007068	421
70004909	260, 264	70005249	259, 263	70005504	245	70007069	421
70004910	264	70005250	259, 263	70005505	245	70007070	421
70004911	260, 264	70005251	259, 263	70005507	245	70007071	421
70005065	51	70005252	259, 263	70005724	38, 42	70007072	421
70005066	51	70005253	259, 263	70005871	417	70007325	223, 245
70005067	51	70005254	259, 263, 601	70005931	223, 227, 245	70007326	224, 227, 246
70005068	51	70005255	259, 263	70005938	246	70007354	223, 227, 245
70005069	37, 41	70005257	259, 263	70005941	224, 228, 246	70007406	17, 19, 23
70005071	37, 41	70005258	259, 263	70005942	223, 227, 246	70007409	17, 19, 23
70005072	37, 41	70005259	259, 264	70006093	310	70007471	17, 19, 23
70005073	37, 41	70005260	260, 264	70006094	310	70007472	17, 19, 23
70005074	37, 41	70005261	260	70006095	310, 600	70007603	223, 227, 245
70005075	37, 41	70005262	260, 264	70006096	310	70008175	417
70005076	37, 41	70005263	260, 264	70006097	310	70008176	417
70005077	37, 41	70005264	260	70006104	413	70008177	417
70005078	37, 41	70005265	260	70006105	413	70008178	417
70005079	37, 41	70005266	260, 264	70006144	223	70008179	417
70005080	37, 41	70005267	260, 264	70006255	343	70008296	246
70005081	37, 41	70005268	260, 264	70006270	343	70008422	246
70005082	37, 41	70005269	260, 264	70006344	421	70008431	245
70005084	37, 41	70005270	261, 264	70006356	201, 215	70008435	245
70005085	37, 41	70005271	263	70006552	286	70008537	246
70005086	37, 41	70005275	17, 19, 23, 27	70006553	286, 601	70008538	246
70005087	37, 41	70005276	17, 19, 23	70006580	333	70008543	245
		70005278	17, 19, 23	70006596	417	70008544	245
		70005280	17, 19, 23	70006636	413	70008545	245
		70005281	17, 19, 23	70006649	415	70008547	246
		70005282	17, 19, 23	70006650	415	70008553	245
		70005283	17, 19, 23	70006652	223	70008558	245
		70005284	17, 19, 23	70006702	413	70008559	245

SECTION 11 - SPECIAL OPTIONS

70008561.....	245	70029409.....	245	7021234.....	260, 264	7027774.....	395
70008564.....	246	70029451.....	223, 227	7021237.....	259	7027775.....	395
70009002.....	154	70029512.....	227, 245	7021238.....	259, 263	7027776.....	395
70009004.....	153	70030360..	223, 227, 245	7021239.....	259, 263	7027777.....	395
70009005.....	153	70030381..	223, 227, 246	7021240.....	259	7027778.....	395
70010383.....	33, 35, 600	70031055.....	245	7021248.....	259, 263	7027779.....	395
70012257.....	227	70031095.....	224, 227	7021249.....	259, 263	7027780.....	395
7001481.....	260, 264	70031136..	223, 227, 245	7021257.....	259, 263	7027790.....	164
70022564..	411, 413, 417, 419	70031143.....	227, 245	7021259.....	259, 263	7027791.....	164
70023369...411, 413, 419		70031144.....	227, 245	7021262.....	259, 263	7027792.....	164
70023370.....	411	70031145.....	223	7021268.....	260, 264	7027796.....	164
70023592..	177, 191, 205, 219, 600	70031388.....	245	7021275.....	260	7027799.....	301, 305, 310
70023593..	177, 191, 205, 219, 600	70031474.....	245	7021276.....	260, 264	7027887.....	277, 282
70024494.....	224, 228	7004275.....	606	7021277.....	260, 264	7027903.....	164
70024502.....	227	7004276.....	606	7021278.....	260, 264	77363233.....	535
70024504...223, 227, 245		70050795.....	413	7021281.....	260, 264	80484084.....	523, 527
70024505.....	245	7007419.....	259, 263	7021285.....	260	80983191.....	523, 600
70024507.....	223, 227	7007420...259, 260, 263, 264		7021290.....	260, 264	8220045.....	537, 556
70024513...223, 227, 245		7007489.....	257	7022321.....	259, 263	8220051.....	531
70024904...224, 228, 246		7010103.....	257	7022322.....	259, 263	8220115.....	523
70024905..223, 227, 228, 246		7010104.....	257	7022331.....	259, 263	8220164.....	523
70024906...223, 227, 246		7010105.....	257	7022332.....	259, 263	8229242....	523, 555, 600
70024913.....	246	7010543.....	45	7022333.....	259, 263	8229244.....	555, 601
70024915.....	223	7012513.....	277, 282	7022336.....	259, 263	8229245.....	537, 601
70024917.....	245	7012514.....	277, 282	7022338.....	259, 263	8229249.....	407, 600
70024919.....	227	7012518.....	421	7022340.....	259, 263	8310129.....	387
70024920.....	245	7012558.....	277	7022341.....	259, 263	8405006....	169, 183, 197, 211, 233, 253, 255
70024925.....	223	7012941.....	45	7022343.....	259	8405007....	176, 190, 205, 219, 241
70024961.....	223, 227	7012967.....	45	7022346.....	260, 264	8405009....	143, 153, 176, 190, 205, 219, 241
70025082.....	163	7012987.....	257	7022347.....	260, 264	8405104....	176, 190, 205, 219, 241
70025084.....	163, 164	7012988.....	257	7022351.....	260	8405202....	176, 190, 205, 219, 241
70025086.....	164	7012998.....	413	7022355.....	263	8405204....	176, 190, 205, 219, 241
70025088.....	163	7016322.....	275	7022357.....	263	8406101....	169, 183, 197, 211, 233
70025091.....	163	7016331...163, 224, 228, 246, 600		7022358.....	264	8406109....	176, 191, 205, 219, 241
70025121.....	164	7016654.....	606	7022390.....	37, 41, 413	8406110....	178, 192, 205, 219, 241, 345, 495, 497, 503, 505
70025123.....	163, 164	7017142.....	333, 335	7022399.....	37, 41	8406201....	178, 192, 205, 219, 241
70025130.....	245	7017150.....	335	7023900.....	37, 41	8410013....	169, 183, 197, 211
70025131.....	164	7017159.....	333, 335	7023936.....	37, 41	8430007.....	233
70025135.....	223	7017162.....	333, 335	7023999.....	259	8750014....	143, 153, 169, 183, 197, 211
70025139.....	163	7017163.....	333, 335	7024441.....	69	8750031....	143, 153, 169, 183, 197, 211
70025140.....	246	7017164.....	333, 335	7024462.....	395	8769128.....	313, 315
70025144.....	246	7017172.....	333, 335	7024463.....	395	8769139.....	313, 315
70025145.....	246	7017192.....	333, 335	7024467.....	395	88411013.....	473
70025152.....	246	7017195.....	333, 335	7024469.....	395, 601	88521205.....	47, 49
70025164...223, 227, 245		7017410.....	45	7024470.....	395	90200755.....	120, 124
70025200.....	223	7017467.....	413	7024471.....	395	91164057.....	38, 42
70025210.....	223	7017496.....	413	7024472.....	395	91164059.....	38, 42
70025231...223, 227, 245		7019680.....	277, 282	7024473.....	395	91164079.....	38, 42
70025235.....	246	7020023.....	163, 600	7024474.....	395	91203039.....	341
70025239...223, 227, 245		7020026.....	163	7024475.....	395	91401281.....	47
70025242.....	246	7020108.....	277, 282	7024478.....	395		
70025667.....	163	7020109.....	277, 282	7024485....	301, 305, 600		
70025693.....	164	7020110.....	277, 282	7024488....	301, 305, 309		
70025694.....	164	7020111.....	277, 282	7024489....	301, 305, 309		
70026210...223, 227, 245		7020176.....	600	7024565.....	164		
70027405.....	245	7020190.....	277, 282	7024579...163, 224, 228, 246			
70028185.....	246	7020403.....	163	7024598.....	275		
7002821.....	605	7020430.....	163	7024800.....	259, 263		
7002822.....	606	7020460.....	163	7024806.....	260		
7002823.....	605	7020465...163, 224, 246		7026188.....	301, 305		
7002828.....	606	7020468.....	163	7026199.....	277, 281		
70028538.....	245	7020471.....	164	7026330.....	51		
70028540...223, 227, 245		7020479.....	164	7026597....	301, 305, 310		
		7020492.....	163, 164	7026626....	301, 305, 310		
		7021229.....	260	7027236.....	163		
				7027773.....	395		



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