Illustrated Parts Manual

Model 800AJ

PVC
2207

P/N
31220391

November 15, 2022 - Rev B

ANSI

CE

UK CA

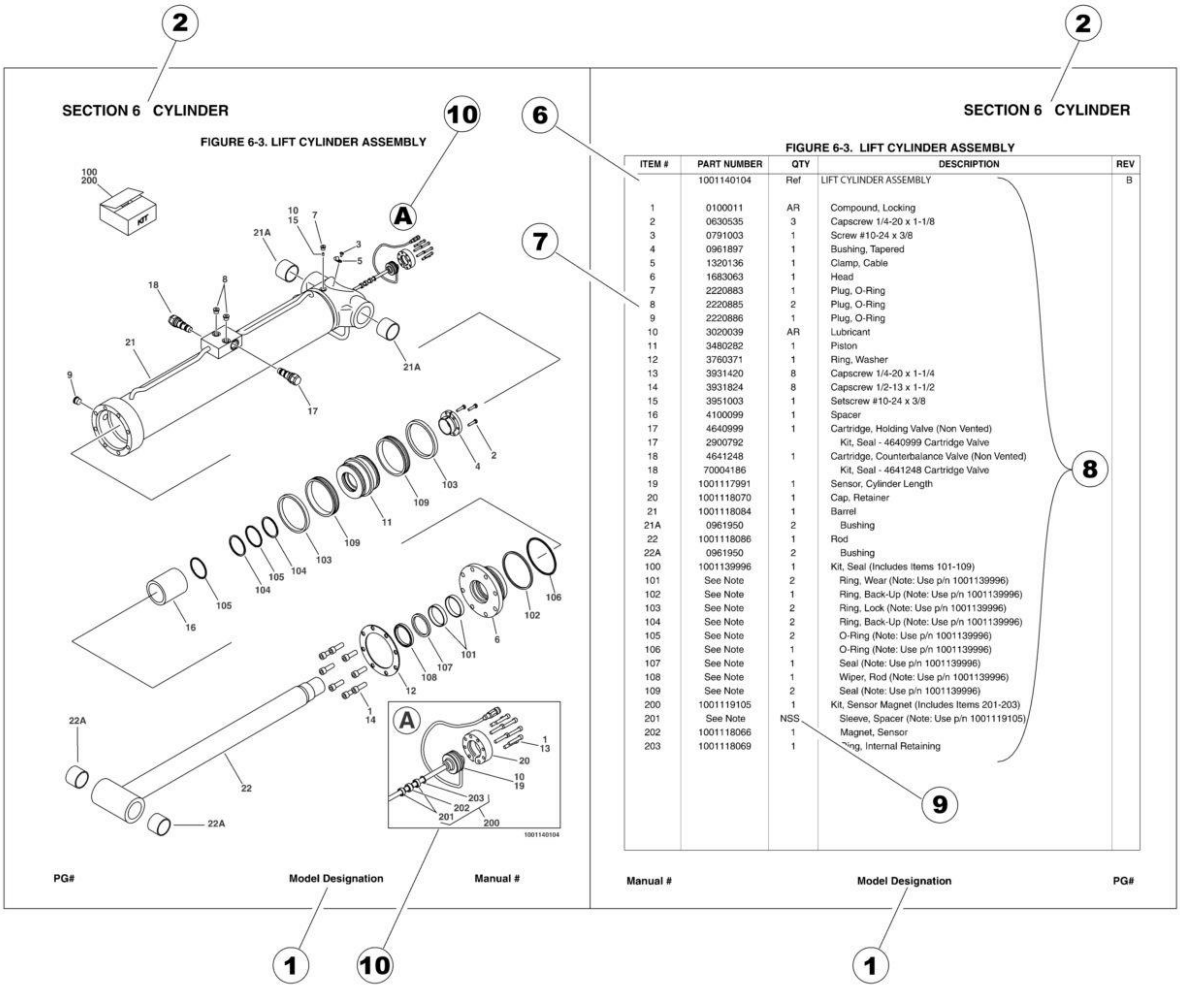
AS/NZS

An Oshkosh Corporation Company

REVISION LOG

July 11, 2022 - A - Original Issue of Manual (Edited to B/M 1001245446 Rev T)
November 15, 2022 - B - Revised Manual (Edited to B/M 1001245446 Rev AC)

GENERAL INFORMATION



ITEM #	PART NUMBER	QTY	DESCRIPTION	REV
	1001140104	Ref	LIFT CYLINDER ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0630535	3	Capscrew 1/4-20 x 1-1/8	
3	0791003	1	Screw #10-24 x 3/8	
4	0961897	1	Bushing, Tapered	
5	1320136	1	Clamp, Cable	
6	1683063	1	Head	
7	2220883	1	Plug, O-Ring	
8	2220885	2	Plug, O-Ring	
9	2220886	1	Plug, O-Ring	
10	3020039	AR	Lubricant	
11	3480282	1	Piston	
12	3760371	1	Ring, Washer	
13	3931420	8	Capscrew 1/4-20 x 1-1/4	
14	3931824	8	Capscrew 1/2-13 x 1-1/2	
15	3951003	1	Setscrew #10-24 x 3/8	
16	4100099	1	Spacer	
17	4640999	1	Cartridge, Holding Valve (Non Vented)	
17	2900792		Kit, Seal - 4640999 Cartridge Valve	
18	4641248	1	Cartridge, Counterbalance Valve (Non Vented)	
18	70004186		Kit, Seal - 4641248 Cartridge Valve	
19	1001117991	1	Sensor, Cylinder Length	
20	1001118070	1	Cap, Retainer	
21	1001118084	1	Barrel	
21A	0961950	2	Bushing	
22	1001118086	1	Rod	
22A	0961950	2	Bushing	
100	1001139996	1	Kit, Seal (Includes Items 101-109)	
101	See Note	2	Ring, Wear (Note: Use p/n 1001139996)	
102	See Note	1	Ring, Back-Up (Note: Use p/n 1001139996)	
103	See Note	2	Ring, Lock (Note: Use p/n 1001139996)	
104	See Note	2	Ring, Back-Up (Note: Use p/n 1001139996)	
105	See Note	2	O-Ring (Note: Use p/n 1001139996)	
106	See Note	1	O-Ring (Note: Use p/n 1001139996)	
107	See Note	1	Seal (Note: Use p/n 1001139996)	
108	See Note	1	Wiper, Rod (Note: Use p/n 1001139996)	
109	See Note	2	Seal (Note: Use p/n 1001139996)	
200	1001119105	1	Kit, Sensor Magnet (Includes Items 201-203)	
201	See Note	NSS	Sleeve, Spacer (Note: Use p/n 1001119105)	
202	1001118066	1	Magnet, Sensor	
203	1001118069	1	Ring, Internal Retaining	

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 Fliud
EMS..... Emergency Stop
ENG.....Engine
FT(ft) .....Feet
GA(Ga).....Gauge
HRC.....High Rated Countries
HVAC.....Heating, Ventilating, and Air Conditioning
HYD.....Hydraulic
Hz.....Hertz
ID.....Inside Diameter
IN.....inches
ISO.....International Organization for Standards
JIC.....Joint Industry Council
KG.....Kilogram
L.....Liter
LB(LBS).....Pounds
LCD..... Liquid Crystal Display
LED..... .Light Emitting Diodes
LH.....Left Hand
LRC.....Low Rated Countries
LSS.....Load Sensing System
M(m).....Metric/Meter
MM(mm).....Milimeter
mA.....Miliamps
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 REFERANCE 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 17

FIGURE 1-1. AXLE INSTALLATION - FIXED 18
FIGURE 1-2. AXLE INSTALLATION - OSCILLATING 20
FIGURE 1-3. AXLE INSTALLATION - OSCILLATING WITH TOW PACKAGE 22
FIGURE 1-4. STEER INSTALLATION - 2WS 24
FIGURE 1-5. STEER INSTALLATION - 2WS WITH TOW PACKAGE 26
FIGURE 1-6. STEER INSTALLATION - 4WS 28
FIGURE 1-7. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 2WD 30
FIGURE 1-8. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 4WD/2WS 32
FIGURE 1-9. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 4WD/4WS 34
FIGURE 1-10. HUB ASSEMBELY - 2WD FRONT 36
FIGURE 1-11. DRIVE HUB/BRAKE ASSEMBLY 38
FIGURE 1-12. DRIVE MOTOR ASSEMBLY - 2WD 40
FIGURE 1-13. DRIVE MOTOR ASSEMBLY - 4WD 42
FIGURE 1-14. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED TIRE 44
FIGURE 1-15. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED NON-MARKING TIRE 46
FIGURE 1-16. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED SAND TIRE 48
FIGURE 1-17. LP TANK BRACKETS INSTALLATIONS 50
FIGURE 1-18. FRAME SHIELDS INSTALLATION - 2WS 52
FIGURE 1-19. FRAME SHIELDS INSTALLATION - 4WS 54
FIGURE 1-20. TOW PACKAGE INSTALLATION - 2WS (ENGLISH LANGUAGE DECALS) 56
FIGURE 1-21. TOW PACKAGE INSTALLATION - 2WS (CE & UK CA SPECS) 58
FIGURE 1-22. TOW BAR ASSEMBLY 60

SECTION 2 - TURNTABLE 63

FIGURE 2-1. CONTROL VALVES INSTALLATION - WITH 2WS 64
FIGURE 2-2. CONTROL VALVES INSTALLATION - WITH 4WS 66
FIGURE 2-3. CONTROL VALVE ASSEMBLY - 2WS MACHINES 68
FIGURE 2-4. CONTROL VALVE ASSEMBLY - 4WS MACHINES 72
FIGURE 2-5. SWING DRIVE INSTALLATION 76
FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY 78
FIGURE 2-7. TURNTABLE BEARING INSTALLATION 82
FIGURE 2-8. TURNTABLE LOCK INSTALLATION 84
FIGURE 2-9. ROTARY COUPLING INSTALLATION - 2WS MACHINES 86
FIGURE 2-10. ROTARY COUPLING INSTALLATION - 4WS MACHINES 88
FIGURE 2-11. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282) 90
FIGURE 2-12. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present) 92
FIGURE 2-13. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (JIANGYING 4IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282) 94
FIGURE 2-14. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (JIANGYING 4IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present) 96
FIGURE 2-15. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (Prior to SN 0300298282) 98
FIGURE 2-16. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (SN 0300298282 to Present) 100

TABLE OF CONTENTS

FIGURE 2-17. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (HELGESEN 6IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)....102

FIGURE 2-18. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (HELGESEN 6IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)....104

FIGURE 2-19. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282) 106

FIGURE 2-20. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)....108

FIGURE 2-21. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (Prior to SN 0300298282) 110

FIGURE 2-22. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (SN 0300298282 to Present) 112

FIGURE 2-23. TANK INSTALLATION - GAS ENGINES (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282) 114

FIGURE 2-24. TANK INSTALLATION - GAS ENGINES (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)....116

FIGURE 2-25. TANK INSTALLATION - GAS ENGINES (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282) 118

FIGURE 2-26. TANK INSTALLATION - GAS ENGINES (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)....120

FIGURE 2-27. TANK INSTALLATION - GAS ENGINES (47.8 GAL CAPACITY HYDRAULIC TANK) (Prior to SN 0300298282) 122

FIGURE 2-28. TANK INSTALLATION - GAS ENGINES (47.8 GAL CAPACITY HYDRAULIC TANK) (SN 0300298282 to Present) 124

FIGURE 2-29. HYDRAULIC TANK ASSEMBLY (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) 126

FIGURE 2-30. HYDRAULIC TANK ASSEMBLY (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) 128

FIGURE 2-31. HYDRAULIC TANK ASSEMBLY (47.8 GAL CAPACITY HYDRAULIC TANK)....130

FIGURE 2-32. AUXILIARY POWER INSTALLATION - WITHOUT BATTERY DISCONNECT 132

FIGURE 2-33. AUXILIARY POWER INSTALLATION - WITH BATTERY DISCONNECT....134

FIGURE 2-34. AUXILIARY POWER PUMP/MOTOR ASSEMBLY 136

FIGURE 2-35. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 ENGINES - WITH DIGITAL DISPLAY (ANSI EXPORT LRC AND AUSTRALIAN SPECS) 138

FIGURE 2-36. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 ENGINES - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (Prior to SN 0300298282)....142

FIGURE 2-37. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 ENGINES - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (SN 0300298282 to Present) 146

FIGURE 2-38. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND TOWER STOW - WITH DIGITAL DISPLAY (ANSI EXPORT LRC AND AUSTRALIAN SPECS)....150

FIGURE 2-39. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (Prior to SN 0300298282)....154

FIGURE 2-40. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (SN 0300298282 to Present) 158

FIGURE 2-41. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (CE & UK CA LRC SPECS) (Prior to SN 0300298282) 162

FIGURE 2-42. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (CE & UK CA LRC SPECS) (SN 0300298282 to Present)....166

FIGURE 2-43. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND WITH TOWER STOW (CE & UK CA LRC SPECS) (Prior to SN 0300298282) 170

FIGURE 2-44. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND WITH TOWER STOW (CE & UK CA LRC SPECS) (SN 0300298282 to Present) 174

FIGURE 2-45. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH DIGITAL DISPLAY (ANSI SPECS) ...178

FIGURE 2-46. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI SPECS) (Prior to SN 0300298282) 182

FIGURE 2-47. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI SPECS) (SN 0300298282 to Present) 186
FIGURE 2-48. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 AND TOWER STOW - WITH DIGITAL DISPLAY (ANSI SPECS) 190
FIGURE 2-49. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI SPECS) (Prior to SN 0300298282) 194
FIGURE 2-50. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI SPECS) (SN 0300298282 to Present) 198
FIGURE 2-51. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (Prior to SN 0300298282) 202
FIGURE 2-52. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (SN 0300298282 to Present) 206
FIGURE 2-53. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) AND WITH TOWER STOW (CE & UK CA SPECS) (Prior to SN 0300298282) 210
FIGURE 2-54. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) AND WITH TOWER STOW (CE & UK CA SPECS) (SN 0300298282 to Present) 214
FIGURE 2-55. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES - WITH DIGITAL DISPLAY 218
FIGURE 2-56. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES - WITH MECHANICAL HOUR METER (Prior to SN 0300298282) 222
FIGURE 2-57. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES - WITH MECHANICAL HOUR METER (SN 0300298282 to Present) 226
FIGURE 2-58. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES AND TOWER STOW - WITH DIGITAL DISPLAY 230
FIGURE 2-59. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES AND TOWER STOW - WITH MECHANICAL HOUR METER (Prior to SN 0300298282) 234
FIGURE 2-60. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES AND TOWER STOW - WITH MECHANICAL HOUR METER (SN 0300298282 to Present) 238
FIGURE 2-61. LIGHT PANEL INSTALLATION 242
FIGURE 2-62. ALARM INSTALLATION 244
FIGURE 2-63. WHITE NOISE ALARM INSTALLATION - ADJUSTABLE AMBIENT 246
FIGURE 2-64. WHITE NOISE MOTION ALARM INSTALLATION - AMBIENT 248
FIGURE 2-65. STROBE LIGHT INSTALLATION (AMBER) (Prior to SN 0300298282) 250
FIGURE 2-66. STROBE LIGHT INSTALLATION (AMBER) (SN 0300298282 to Present) 252
FIGURE 2-67. STROBE LIGHT INSTALLATION (BLUE) (Prior to SN 0300298282) 254
FIGURE 2-68. STROBE LIGHT INSTALLATION (BLUE) (SN 0300298282 to Present) 256
FIGURE 2-69. STROBE LIGHT INSTALLATION (RED) (Prior to SN 0300298282) 258
FIGURE 2-70. STROBE LIGHT INSTALLATION (RED) (SN 0300298282 to Present) 260
FIGURE 2-71. SKYAIR AIR COMPRESSOR INSTALLATION (ANSI EXPORT AND CHINA SPECS) 262
FIGURE 2-72. SKYAIR AIR COMPRESSOR INSTALLATION (ANSI AND CSA SPECS) 264
FIGURE 2-73. AIR COMPRESSOR ASSEMBLY 266
FIGURE 2-74. HOODS INSTALLATION - ABS (DEUTZ D2011 ENGINES) 270
FIGURE 2-75. HOODS INSTALLATION - ABS (DEUTZ TD2.9L4 ENGINES AND DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES) 274
FIGURE 2-76. HOODS INSTALLATION - ABS (DEUTZ TD2.9L4 (STAGE V) ENGINES) 278
FIGURE 2-77. HOODS INSTALLATION - STEEL (DEUTZ D2011 ENGINES) 282
FIGURE 2-78. HOODS INSTALLATION - STEEL (DEUTZ TD2.9L4 ENGINES) 286
FIGURE 2-79. HOODS INSTALLATION - STEEL (FORD ENGINES) 290
FIGURE 2-80. EXHAUST COVER AND HEAT SHIELDS INSTALLATION - STEEL HOODS (DEUTZ D2011 ENGINES) 294
FIGURE 2-81. EXHAUST COVER AND HEAT SHIELDS INSTALLATION - STEEL HOODS (DEUTZ TD2.9L4 ENGINES) 296
FIGURE 2-82. EXHAUST COVER INSTALLATION - STEEL HOODS (FORD ENGINES) 298

TABLE OF CONTENTS

SECTION 3 - ENGINE 301

FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE) 302
FIGURE 3-2. DEUTZ D2011 ENGINE INSTALLATION (WITH ARCTIC PACKAGE) 304
FIGURE 3-3. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE) 308
FIGURE 3-4. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE) 310
FIGURE 3-5. DEUTZ D2011 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE) 312
FIGURE 3-6. DEUTZ D2011 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE) 316
FIGURE 3-7. DEUTZ D2011 ENGINE COMPONENTS 320
FIGURE 3-8. DEUTZ TD2.9L4 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE) 324
FIGURE 3-9. DEUTZ TD2.9L4 ENGINE INSTALLATION (WITH ARCTIC PACKAGE) 328
FIGURE 3-10. DEUTZ TD2.9L4 ENGINE INSTALLATION (STAGE V) (Prior to SN 0300298282) 332
FIGURE 3-11. DEUTZ TD2.9L4 ENGINE INSTALLATION (STAGE V) (SN 0300298282 to Present) 336
FIGURE 3-12. DEUTZ TD2.9L4 ENGINE INSTALLATION (CHINA III SPECS) 340
FIGURE 3-13. DEUTZ TD2.9L4 ENGINE INSTALLATION (CHINA IV SPECS) 344
FIGURE 3-14. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE) 348
FIGURE 3-15. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE) 350
FIGURE 3-16. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (STAGE V) 352
FIGURE 3-17. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA III SPECS) 354
FIGURE 3-18. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA IV SPECS) (WITH DANFOSS PUMP) 356
FIGURE 3-19. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA IV SPECS) (WITH HENGLI PUMP) 358
FIGURE 3-20. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE) 360
FIGURE 3-21. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE) 366
FIGURE 3-22. DEUTZ TD2.9L4 ENGINE ASSEMBLY (STAGE V) 372
FIGURE 3-23. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA III SPECS) 378
FIGURE 3-24. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV SPECS) (Prior to SN 0300296643) 384
FIGURE 3-25. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV) (SN 0300296643 through 0300296646) 390
FIGURE 3-26. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV) (SN 0300296647 to Present) 396
FIGURE 3-27. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV) (SN 0300296647 to Present) 398
FIGURE 3-28. DEUTZ TD2.9L4 ENGINE COMPONENTS 402
FIGURE 3-29. DEUTZ TD2.9L4 ENGINE COMPONENTS (STAGE V) 406
FIGURE 3-30. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA III SPECS) 410
FIGURE 3-31. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA IV SPECS) (Prior to SN 0300296647) 414
FIGURE 3-32. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA IV SPECS) (SN 0300296647 to Present) 416
FIGURE 3-33. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) 418
FIGURE 3-34. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 (STAGE V) ENGINES) 420
FIGURE 3-35. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) (CHINA III SPECS) (Prior to SN 0300287739, SN 0300297744 through 0300297748, Including 0300297741, 0300297755, 0300297757 and 0300297759) 422
FIGURE 3-36. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) (CHINA III SPECS) (SN 0300297739 to Present, Except SN 0300297744 through 0300297748, Excluding 0300297741, 0300297755, 0300297757 and 0300297759) 424
FIGURE 3-37. BREATHER HEATER INST (DEUTZ TD2.9L4 ENGINES) 426
FIGURE 3-38. PUMP COUPLING KIT (DEUTZ ENGINES) 428
FIGURE 3-39. FORD ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE) 430
FIGURE 3-40. FORD ENGINE INSTALLATION (WITH ARCTIC PACKAGE) 434
FIGURE 3-41. FORD ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE) 438
FIGURE 3-42. FORD ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE) 440

FIGURE 3-43. FORD ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE) 442
FIGURE 3-44. FORD ENGINE ASSEMBLY (WITH ARCTIC PACKAGE) 448
FIGURE 3-45. FORD ENGINE DRIVE BELT INSTALLATION (MACHINES WITHOUT GENERATOR) 454
FIGURE 3-46. FORD ENGINE COMPONENTS 456
FIGURE 3-47. FORD ENGINE PREP ASSEMBLY 460
FIGURE 3-48. FORD ENGINE BRACKETS AND EXHAUST MANIFOLD INSTALLATION 462
FIGURE 3-49. HYDROSTATIC PUMP ASSEMBLY 464
FIGURE 3-50. VARIABLE PUMP ASSEMBLY - DANFOSS 466
FIGURE 3-51. VARIABLE PUMP ASSEMBLY - HENGLI 470
FIGURE 3-52. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 ENGINES AND DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES 472
FIGURE 3-53. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 (STAGE V) ENGINES 474
FIGURE 3-54. EXHAUST PIPE INSTALLATION - FORD ENGINES 476
FIGURE 3-55. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ D2011 ENGINES 478
FIGURE 3-56. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ TD2.9L4 ENGINES 480
FIGURE 3-57. SPARK ARRESTOR MUFFLER INSTALLATION - FORD ENGINES 482
FIGURE 3-58. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ D2011 ENGINES 484
FIGURE 3-59. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES 486
FIGURE 3-60. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITHOUT GENERATORS) 488
FIGURE 3-61. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITH GENERATORS) 490
FIGURE 3-62. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 ENGINES, DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TD2.9L4 (STAGE V) ENGINES WITH ABS HOODS 492
FIGURE 3-63. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 ENGINES WITH STEEL HOODS 494
FIGURE 3-64. ENGINE TRAY JACK INSTALLATION - DEUTZ ENGINES 496
FIGURE 3-65. ENGINE TRAY JACK INSTALLATION - FORD ENGINES 498
FIGURE 3-66. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 500
FIGURE 3-67. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES 502
FIGURE 3-68. 2500W/110V/60HZ GENERATOR INSTALLATION - FORD ENGINES 506
FIGURE 3-69. 2500W/220V/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 510
FIGURE 3-70. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 512
FIGURE 3-71. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES, DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TD2.9L4 (STAGE V) ENGINES 516
FIGURE 3-72. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 520
FIGURE 3-73. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES 524
FIGURE 3-74. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 528
FIGURE 3-75. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES, DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TD2.9L4 (STAGE V) ENGINES 532
FIGURE 3-76. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 536
FIGURE 3-77. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES 540
FIGURE 3-78. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - FORD ENGINES 544
FIGURE 3-79. QUICKFIT OIL VALVE 548

SECTION 4 - BOOM 551

FIGURE 4-1. BOOM AND CYLINDER INSTALLATION - WITHOUT ARCTIC PACKAGE 552
FIGURE 4-2. BOOM AND CYLINDER INSTALLATION - WITH ARCTIC PACKAGE 554
FIGURE 4-3. BOOM ASSEMBLY - MAIN (WITHOUT ARCTIC PACKAGE) 556

TABLE OF CONTENTS

FIGURE 4-4. BOOM ASSEMBLY - MAIN (WITH ARCTIC PACKAGE) 558
FIGURE 4-5. TOWER BOOM ASSEMBLY 560
FIGURE 4-6. JIB ASSEMBLY 562
FIGURE 4-7. ROTATOR ASSEMBLY 564
FIGURE 4-8. SUPPORT, PLATFORM INSTALLATION 566
FIGURE 4-9. BOOM VALVES AND PROXIMITY SWITCHES INSTALLATION 568
FIGURE 4-10. BOOM VALVES AND PROXIMITY SWITCHES INSTALLATION WITH TOWER STOW 570
FIGURE 4-11. CONTROL VALVES INSTALLATION - WITH 2WS 572
FIGURE 4-12. CONTROL VALVES INSTALLATION - WITH 4WS 574
FIGURE 4-13. BOOM VALVE ASSEMBLY 576
FIGURE 4-14. CONTROL VALVE ASSEMBLY 578
FIGURE 4-15. POWER TRACK INSTALLATION - MAIN BOOM 580
FIGURE 4-16. POWER TRACK INSTALLATION - TOWER BOOM WITHOUT ARCTIC PACKAGE 582
FIGURE 4-17. POWER TRACK INSTALLATION - TOWER BOOM WITH ARCTIC PACKAGE 584
FIGURE 4-18. TRANSPORT POSITION SWITCH INSTALLATION 586
FIGURE 4-19. UPRIGHT TILT SENSOR INSTALLATION 588

SECTION 5 - PLATFORM 591

FIGURE 5-1. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 3FT (76CM X 1M) 592
FIGURE 5-2. PLATFORM ASSEMBLY WITH GATE - 30IN X 4FT (76CM X 1.22M) 594
FIGURE 5-3. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 4FT (76CM X 1.22M) 596
FIGURE 5-4. PLATFORM ASSEMBLY WITH GATE - 30IN X 6FT (76CM X 1.83M) 598
FIGURE 5-5. PLATFORM ASSEMBLY WITH GATE- 36IN X 6FT (91.5CM X 1.83M) 600
FIGURE 5-6. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 6FT (76CM X 1.83M) 602
FIGURE 5-7. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 6FT (91.5CM X 1.83M) 604
FIGURE 5-8. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M) 606
FIGURE 5-9. PLATFORM ASSEMBLY WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M) 608
FIGURE 5-10. PLATFORM ASSEMBLY WITH FALL ARREST (6FT) 610
FIGURE 5-11. PLATFORM ASSEMBLY WITH GATE - 36IN X 8FT (91.5CM X 2.44M) 612
FIGURE 5-12. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 8FT (91.5CM X 2.44M) 614
FIGURE 5-13. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M) 616
FIGURE 5-14. PLATFORM ASSEMBLY WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M) 618
FIGURE 5-15. PLATFORM ASSEMBLY WITH FALL ARREST (8FT) 620
FIGURE 5-16. CONSOLE AND FOOT SWITCH INSTALLATION 622
FIGURE 5-17. CONSOLE AND FOOT SWITCH INSTALLATION WITH TOWER STOW 624
FIGURE 5-18. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH 626
FIGURE 5-19. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH WITH TOWER STOW 630
FIGURE 5-20. CONTROLLER ASSEMBLY- DRIVE/STEER 634
FIGURE 5-21. CONTROLLER ASSEMBLY - LIFT/SWING 636
FIGURE 5-22. FOOTSWITCH ASSEMBLY 640
FIGURE 5-23. JIB SWITCH INSTALLATION - 800AJ 642
FIGURE 5-24. LIGHT PANEL INSTALLATION 644
FIGURE 5-25. STEER SWITCH INSTALLATION - 4WS 646
FIGURE 5-26. FALL ARREST INSTALLATION (BOLT-ON) 30IN X 4FT (76CM X 1.22M) PLATFORM 648
FIGURE 5-27. FALL ARREST INSTALLATION (BOLT-ON) 36IN X 6FT (91.2CM X 1.82M) PLATFORM 650
FIGURE 5-28. FALL ARREST INSTALLATION (BOLT-ON) 30IN X 6FT (76CM X 1.83M) PLATFORM 652

FIGURE 5-29. FALL ARREST INSTALLATION (BOLT-ON) 36IN X 8FT (91.5CM X 2.4M) PLATFORM 654
FIGURE 5-30. FALL ARREST INSTALLATION (BOLT-ON) 36IN X 6FT (91.5CM X 1.82M) TRI-ENTRY PLATFORM) 656
FIGURE 5-31. SKYCUTTER INSTALLATION 658
FIGURE 5-32. PLASMA CUTTER ASSEMBLY 660
FIGURE 5-33. SKYEYE INSTALLATION 662
FIGURE 5-34. SKYGLAZIER INSTALLATION (ENGLISH LANGUAGE DECALS) 664
FIGURE 5-35. SKYGLAZIER INSTALLATION (SPANISH LANGUAGE DECALS) 666
FIGURE 5-36. SKYGLAZIER INSTALLATION (PORTUGUESE LANGUAGE DECALS) 668
FIGURE 5-37. SKYGUARD BAR INSTALLATION 670
FIGURE 5-38. SKYLINE INSTALLATION 672
FIGURE 5-39. SKYWELDER INSTALLATION (50HZ) 674
FIGURE 5-40. SKYWELDER INSTALLATION (60HZ) 676
FIGURE 5-41. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ) 678
FIGURE 5-42. WELDER ASSEMBLY 682
FIGURE 5-43. SKYWELDER PREP PACKAGE (60HZ) 684
FIGURE 5-44. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M PLATFORM 686
FIGURE 5-45. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M FALL ARREST PLATFORM 688
FIGURE 5-46. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M PLATFORM 690
FIGURE 5-47. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M FALL ARREST PLATFORM 692
FIGURE 5-48. STORAGE TRAY INSTALLATION - CENTER 694
FIGURE 5-49. USB CHARGER INSTALLATION 696

SECTION 6 - CYLINDER 699

FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY 700
FIGURE 6-2. LEVEL (SLAVE) CYLINDER ASSEMBLY - JIB 702
FIGURE 6-3. LEVEL CYLINDER ASSEMBLY - UPRIGHT 704
FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB 706
FIGURE 6-5. LIFT CYLINDER ASSEMBLY - MAIN BOOM 708
FIGURE 6-6. LIFT CYLINDER ASSEMBLY - TOWER BOOM 710
FIGURE 6-7. MASTER CYLINDER ASSEMBLY 712
FIGURE 6-8. STEER CYLINDER ASSEMBLY 714
FIGURE 6-9. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM (WITHOUT ARCTIC PACKAGE) 716
FIGURE 6-10. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM (WITH ARCTIC PACKAGE) 718
FIGURE 6-11. TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM 720

SECTION 7 - HYDRAULIC 723

FIGURE 7-1. HYDRAULIC DIAGRAM - AXLE (OSCILLATING) 724
FIGURE 7-2. HYDRAULIC DIAGRAM - DRIVE (2WD/2WS WITHOUT TOW PACKAGE) 726
FIGURE 7-3. HYDRAULIC DIAGRAM - DRIVE (2WD/2WS WITH TOW PACKAGE) 730
FIGURE 7-4. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITHOUT TOW PACKAGE/WITHOUT ARCTIC PACKAGE) 736
FIGURE 7-5. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITHOUT TOW PACKAGE/WITH ARCTIC PACKAGE) 742
FIGURE 7-6. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITH TOW PACKAGE/WITHOUT ARCTIC PACKAGE) 748
FIGURE 7-7. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITH TOW PACKAGE/WITH ARCTIC PACKAGE) 754
FIGURE 7-8. HYDRAULIC DIAGRAM - DRIVE (4WD/4WS WITHOUT TOW PACKAGE/WITHOUT ARCTIC PACKAGE) 760
FIGURE 7-9. HYDRAULIC DIAGRAM - DRIVE (4WD/4WS WITHOUT TOW PACKAGE/WITH ARCTIC PACKAGE) 766
FIGURE 7-10. HYDRAULIC DIAGRAM - STANDARD 800AJ 772

TABLE OF CONTENTS

SECTION 8 - ELECTRICAL....777

FIGURE 8-1. 800AJ ELECTRICAL LAYOUT....778

FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V GFI RECEPTACLE (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)....792

FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI, CSA & JAPANESE SPECS)....794

FIGURE 8-4. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITH 4000W/60HZ GENERATOR) (ANSI, ANSI EXPORT, CHINA, CSA & JAPANESE SPECS)....796

FIGURE 8-5. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITHOUT 7500W SKYPOWER GENERATOR) (ALL SPECS EXCEPT ANSI & CSA SPECS)....798

FIGURE 8-6. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITH 7500W SKYPOWER GENERATOR)....800

FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)....802

FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)....804

FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)....806

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)....808

FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)....810

FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)....812

FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)....814

FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)....816

FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)....818

FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)....820

FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V (2X4 BOX & COVER ONLY - LOCALLY SUPPLIED RECEPTACLE) (4000W GENERATOR)....822

FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI, ANSI EXPORT AND CSA SPECS WITH 4000W SKYPOWER GENERATOR)....824

FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI AND CSA SPECS WITH 7500W SKYPOWER GENERATOR)....826

FIGURE 8-20. BEACON CONTROL HARNESS (BLUE AND RED STROBE LIGHTS)....828

FIGURE 8-21. BATTERY DISCONNECT SWITCH INSTALLATION....830

FIGURE 8-22. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION (ANSI & CSA SPECS)....832

FIGURE 8-23. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION (CE & UK CA SPECS)....834

FIGURE 8-24. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION (ANSI EXPORT, AUSTRALIAN, CHINA & JAPANESE SPECS)....836

FIGURE 8-25. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION & ARCTIC PACKAGE (ANSI, ANSI EXPORT, CHINA & CSA SPECS)....838

FIGURE 8-26. BOOM CABLES INSTALLATION - WITH 4000W GENERATOR (ALL SPECS)....840

FIGURE 8-27. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR (ALL SPECS EXCEPT CE & UK CA SPECS)....842

FIGURE 8-28. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR (CE & UK CA SPECS)....844

FIGURE 8-29. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR & ARCTIC PACKAGE (ANIT, ANSI EXPORT, CHINA & CSA SPECS)....846

FIGURE 8-30. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR AND COMMUNICATION CABLES (ANSI SPECS) 848
FIGURE 8-31. BOOM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE) 850
FIGURE 8-32. BOOM CABLE - MAIN BOOM 852
FIGURE 8-33. BOOM CABLE - TOWER BOOM WITHOUT ARCTIC PACKAGE 854
FIGURE 8-34. BOOM CABLE - TOWER BOOM WITH ARCTIC PACKAGE 856
FIGURE 8-35. BOOM VALVE HARNESS 858
FIGURE 8-36. BREAKER BOX INSTALLATION (BRAZIL SPECS) 860
FIGURE 8-37. BREAKER BOX INSTALLATION (CE & UK CA SPECS WITHOUT 4000W GENERATOR) 862
FIGURE 8-38. BREAKER BOX KIT - ONE DOUBLE 16AMP BREAKER (BRAZIL SPECS, CE & UK CA SPECS WITHOUT 4000W GENERATOR) 864
FIGURE 8-39. BREAKER BOX KIT - ONE DOUBLE 16AMP BREAKER (CE & UK CA SPECS WITH 4000W GENERATOR) 866
FIGURE 8-40. CLEARSKY INSTALLATION - 3 WIRE GT1030 868
FIGURE 8-41. CLEARSKY INSTALLATION - CANBUS (ANSI SPECS) 870
FIGURE 8-42. CLEARSKY INSTALLATION - CANBUS (AUSTRALIAN SPECS) 872
FIGURE 8-43. CLEARSKY INSTALLATION - CANBUS (CE SPECS) 874
FIGURE 8-44. CLEARSKY INSTALLATION - CANBUS (CHINA SPECS) 876
FIGURE 8-45. CLEARSKY TELEMATCIS HARNESS (3-WIRE) 878
FIGURE 8-46. CLEARSKY TELEMATCIS HARNESS (CANBUS) 880
FIGURE 8-47. ENGINE HARNESS - DEUTZ D2011 ENGINES (Prior to SN 0300298282) 882
FIGURE 8-48. ENGINE HARNESS - DEUTZ D2011 ENGINES (SN 0300298282 to Present) 884
FIGURE 8-49. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES (Prior to SN 0300298282) 886
FIGURE 8-50. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES (SN 0300298282 to Present) 888
FIGURE 8-51. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES AND DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES 890
FIGURE 8-52. ENGINE HARNESS - DEUTZ TD2.9L4 (STAGE V SN PRIOR TO 0300294888, CHINA IV SN PRIOR TO 0300296643) ENGINES 894
FIGURE 8-53. ENGINE HARNESS - DEUTZ TD2.9L4 (STAGE V SN 0300294888 TO PRESENT, CHINA IV SN 0300296643 TO PRESENT) ENGINES 898
FIGURE 8-54. ECU POWER JUMPER HARNESS 902
FIGURE 8-55. ENGINE HARNESS - FORD ENGINES (Prior to SN 0300298282) 904
FIGURE 8-56. ENGINE HARNESS - FORD ENGINES (SN 0300298282 to Present) 906
FIGURE 8-57. FUEL PUMP HARNESS - DEUTZ TD2.9L4 ENGINES 908
FIGURE 8-58. FUEL HARNESS - DEUTZ TD2.9L4 (STAGE V) ENGINE 910
FIGURE 8-59. GENERATOR HARNESS - 4000W GENERATOR 912
FIGURE 8-60. GENERATOR HARNESS - 7500W SKYPOWER GENERATOR 914
FIGURE 8-61. GENERATOR TO ENGINE HARNESS - 2500W (FORD ENGINES) 916
FIGURE 8-62. GENERATOR TO ENGINE HARNESS - 4000W (DEUTZ D2011 ENGINES) 918
FIGURE 8-63. GENERATOR TO ENGINE HARNESS - 4000W (DEUTZ TD2.9L4 ENGINES) 920
FIGURE 8-64. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ENGINES) 922
FIGURE 8-65. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER (FORD DF 2.5L ENGINES) 924
FIGURE 8-66. GENERATOR HARNESS - 7500W SKYPOWER (DEUTZ TD2.9L4 T4F ENGINES) 926
FIGURE 8-67. GENERATOR TO REAR OF BOOM HARNESS - 110V 928
FIGURE 8-68. GENERATOR TO REAR OF BOOM HARNESS - 220V 930
FIGURE 8-69. GROUND CONTROL BOX HARNESS (Prior to SN 0300298282) 932
FIGURE 8-70. GROUND CONTROL BOX HARNESS (SN 0300298282 to Present) 936
FIGURE 8-71. PLATFORM CONSOLE BOX HARNESS 938
FIGURE 8-72. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPECS) 940

TABLE OF CONTENTS

FIGURE 8-73. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPECS) 942
FIGURE 8-74. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE & UK CA SPECS) 944
FIGURE 8-75. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2X4 BOX (CE & UK CA SPECS) 946
FIGURE 8-76. RECEPTACLE BOX KIT - 220V AFSINT107 KEYED GROUND (CE & UK CA SPECS) 948
FIGURE 8-77. RECEPTACLE/BREAKER BOX ASSEMBLY - 240V (7500W SKYPOWER GENERATORS) (ANSI, ANSI EXPORT AND CSA SPECS) 950
FIGURE 8-78. SKYEYE EMITTER HARNESS 952
FIGURE 8-79. SKYEYE INTERMEDIATE HARNESS 954
FIGURE 8-80. SKYEYE RECEIVER HARNESS 956
FIGURE 8-81. SKYLINE HARNESS 958
FIGURE 8-82. SKYGUARD INTERFACE HARNESS 960
FIGURE 8-83. STROBE LIGHT JUMPER HARNESS 962
FIGURE 8-84. VALVE HARNESS (Prior to SN 0300298282) 964
FIGURE 8-85. VALVE HARNESS (SN 0300298282 to Present) 966
FIGURE 8-86. WHITE NOISE ALARM HARNESS 968

SECTION 9 - DECALS 971

FIGURE 9-1. DECAL INSTALLATION - ANSI SPECS (800AJ) 972
FIGURE 9-2. DECAL INSTALLATION - AUSTRALIAN SPECS (800AJ) 974
FIGURE 9-3. DECAL INSTALLATION - BRAZILIAN SPECS (800AJ) 976
FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPECS (800AJ) 978
FIGURE 9-5. DECAL INSTALLATION - CHINESE SPECS (800AJ) 980
FIGURE 9-6. DECAL INSTALLATION - CSA SPECS (800AJ) 982
FIGURE 9-7. DECAL INSTALLATION - JAPANESE SPECS (800AJ) 984
FIGURE 9-8. DECAL INSTALLATION - KOREAN SPECS (800AJ) 986
FIGURE 9-9. DECAL INSTALLATION - LATIN AMERICAN SPECS (800AJ) 988
FIGURE 9-10. DECAL INSTALLATION - OPTIONS 990
FIGURE 9-11. SKYCUTTER DECAL INSTALLATION 994
FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 50HZ 996
FIGURE 9-13. SKYWELDER DECAL INSTALLATION - 60HZ 998

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK 1001

FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK 1002

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS 1005

FIGURE 11-1. SPECIAL OPTIONS/ACCESSORIES/KITS 1006

PART NUMBER INDEX 1011

SECTION 1 - FRAME

FIGURE 1-1. AXLE INSTALLATION - FIXED

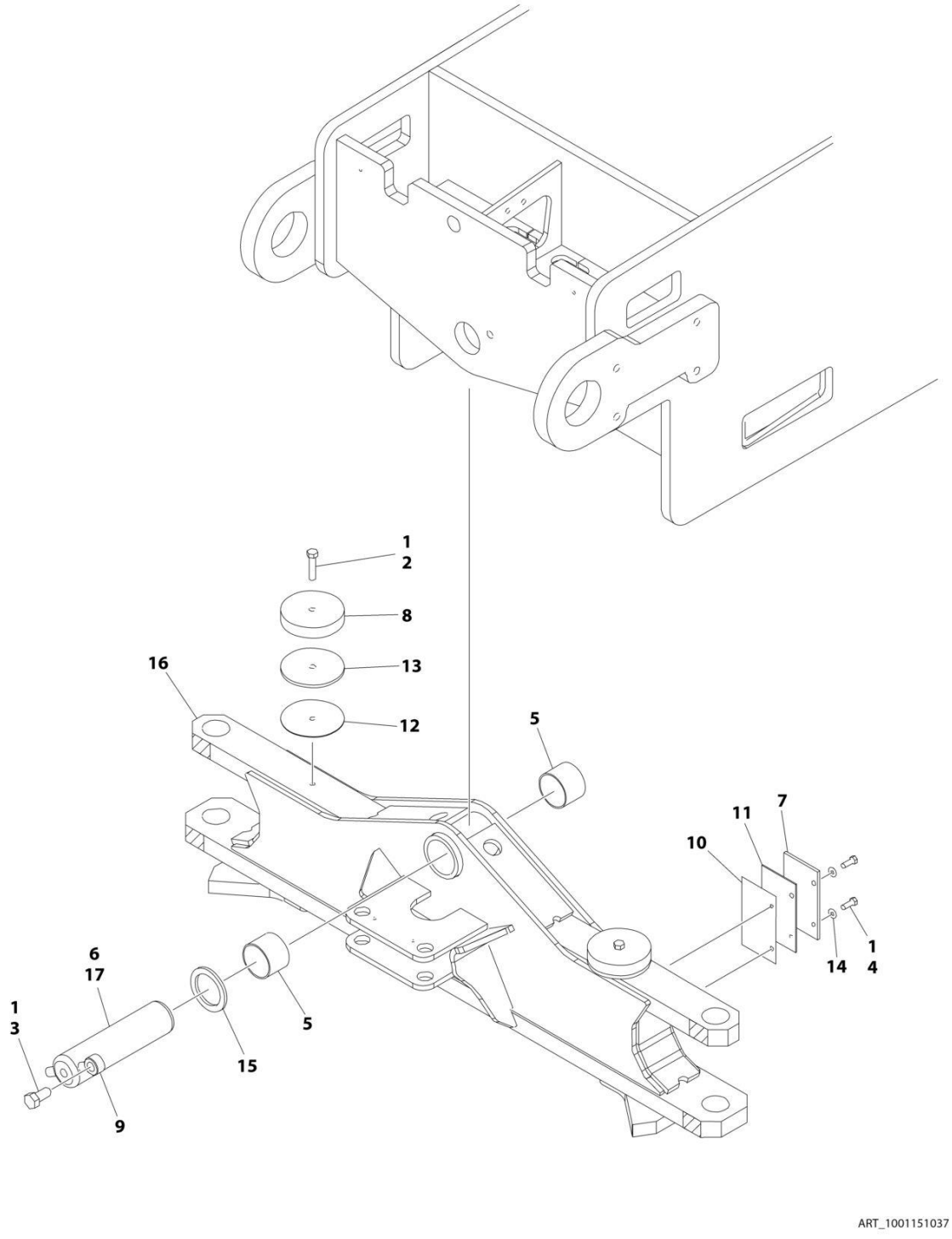


FIGURE 1-1. AXLE INSTALLATION - FIXED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151037	Ref	FIXED AXLE INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0641818	2	Bolt 1/2 x 2-1/4	
3	0642212	1	Bolt 3/4 x 1-1/2	
4	0681608	4	Bolt 3/8 x 1 Grade 8	
5	0962102	2	Bushing	
6	3020039	AR	Lubricant	
7	3538047	2	Shim, Wear	
8	3539877	2	Plate, Stop	
9	3841287	1	Keeper, Pin	
10	4070878	AR	Shim 1/16	
11	4070879	AR	Shim 1/8	
12	4070944	AR	Shim 1/16	
13	4070945	AR	Shim 1/4	
14	4711600	4	Washer 3/8	
15	4740472	1	Washer, Special	
16	1001152719	1	Axle	
17	1001156710	1	Pin	

FIGURE 1-2. AXLE INSTALLATION - OSCILLATING

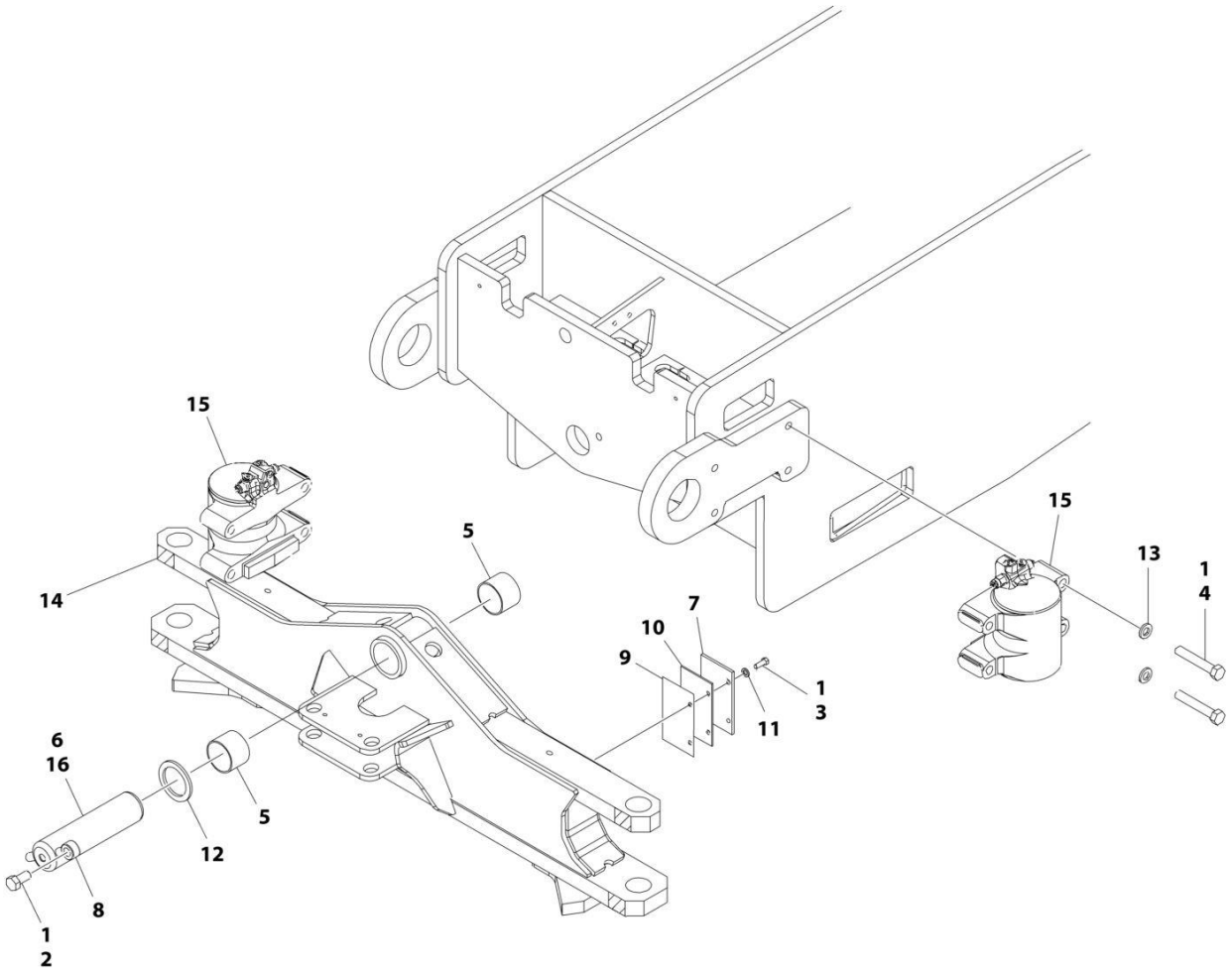


FIGURE 1-2. AXLE INSTALLATION - OSCILLATING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154584	Ref	AXLE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0642212	1	Bolt 3/4 x 1-1/2	
3	0681608	4	Bolt 3/8 x 1 Grade 8	
4	0682236	8	Bolt 3/4 x 4-1/2 Grade 8	
5	0962102	2	Bushing	
6	3020039	AR	Lubricant	
7	3538047	2	Shim .25	
8	3841287	1	Keeper, Pin	
9	4070878	AR	Shim 16 Gauge	
10	4070879	AR	Shim 11 Gauge	
11	4711600	4	Washer 3/8	
12	4740472	1	Washer	
13	4892200	8	Washer 3/4	
14	1001152719	1	Axle	
15	1001204560	2	Axle Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
16	1001156710	1	Pin	

FIGURE 1-3. AXLE INSTALLATION - OSCILLATING WITH TOW PACKAGE

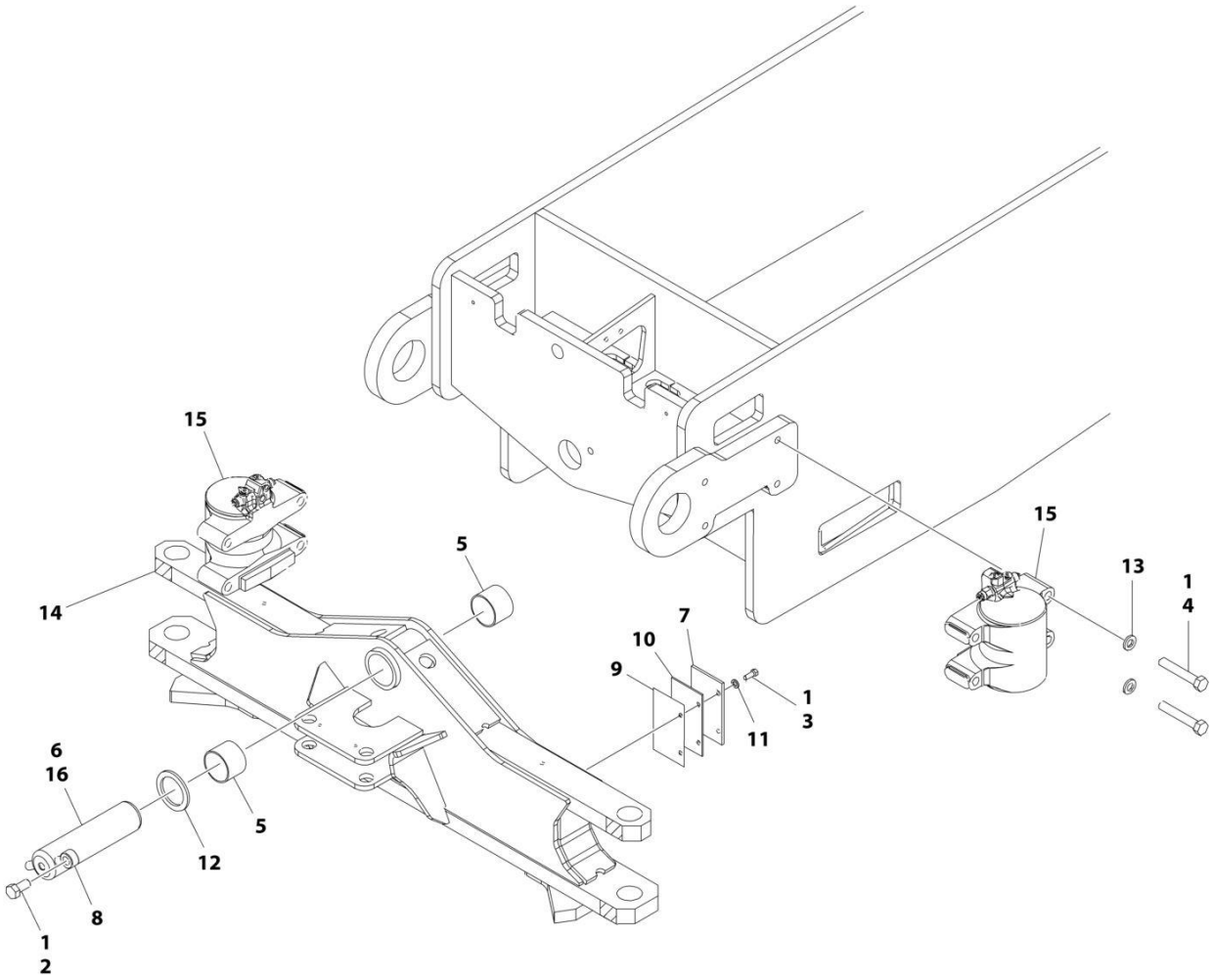


FIGURE 1-3. AXLE INSTALLATION - OSCILLATING WITH TOW PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155194	Ref	AXLE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0642212	1	Bolt 3/4 x 1-1/2	
3	0681608	4	Bolt 3/8 x 1 Grade 8	
4	0682236	8	Bolt 3/4 x 4-1/2 Grade 8	
5	0962102	2	Bushing	
6	3020039	AR	Lubricant	
7	3538047	2	Shim .25	
8	3841287	1	Keeper, Pin	
9	4070878	AR	Shim 16 Gauge	
10	4070879	AR	Shim 11 Gauge	
11	4711600	4	Washer 3/8	
12	4740472	1	Washer	
13	4892200	8	Washer 3/4	
14	1001154875	1	Axle	
15	1001204560	2	Axle Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
16	1001156710	1	Pin	

FIGURE 1-4. STEER INSTALLATION - 2WS

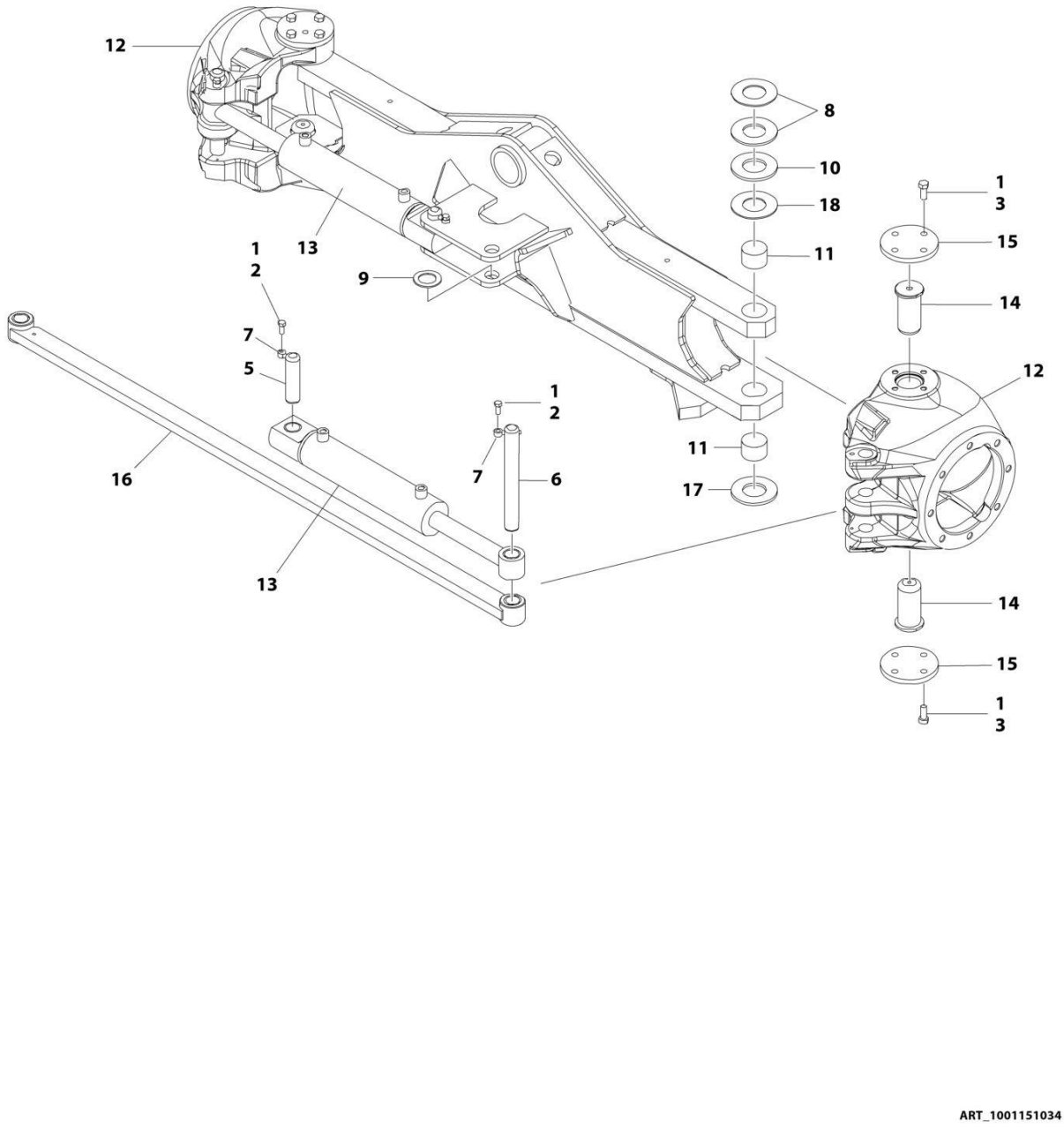
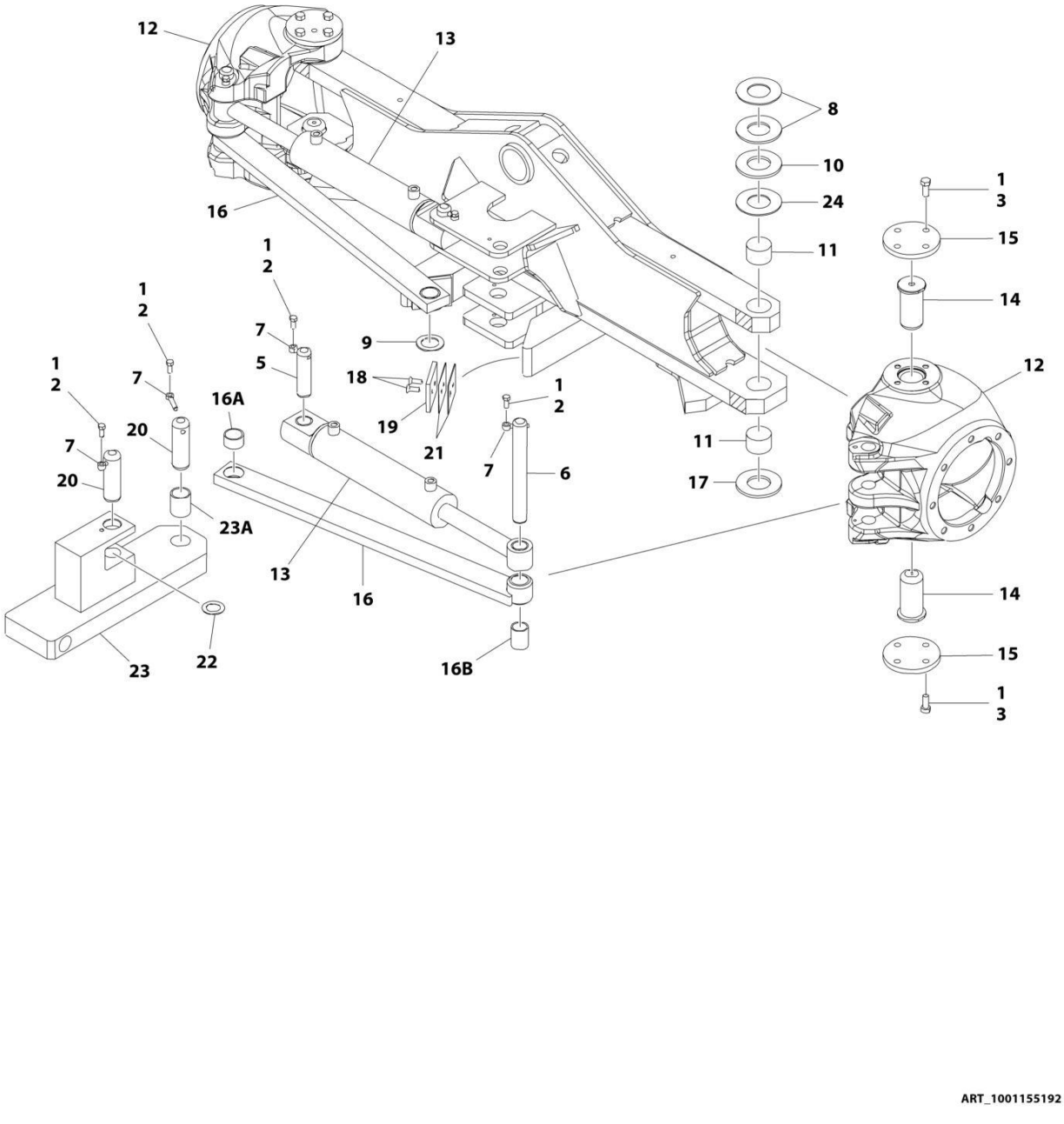


FIGURE 1-4. STEER INSTALLATION - 2WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151034	Ref	STEER INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641810	16	Bolt 1/2 x 1-1/4	
5	3422417	2	Pin	
6	3422790	2	Pin	
7	3841520	4	Keeper, Pin	
8	4740256	AR	Washer, Thrust	
9	4740473	2	Washer	
10	1001103810	AR	Washer, Thrust	
11	1001165657	4	Bearing	
12	1001150372	2	Spindle	
13	1001150539	2	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
14	1001161355	4	Kingpin	
15	1001150937	4	Plate	
16	1001151980	1	Tie-Rod	
17	1001161399	2	Washer, Thrust	
18	4740463	AR	Washer, Thrust	

FIGURE 1-5. STEER INSTALLATION - 2WS WITH TOW PACKAGE



ART_1001155192

FIGURE 1-5. STEER INSTALLATION - 2WS WITH TOW PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155192	Ref	STEER INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0641607	6	Bolt 3/8 x 7/8	
3	0641810	16	Bolt 1/2 x 1-1/4	
5	3422417	2	Pin	
6	3422790	2	Pin	
7	3841520	6	Keeper, Pin	
8	4740256	AR	Washer, Thrust	
9	4740473	2	Washer	
10	1001103810	AR	Washer, Thrust	
11	1001165657	4	Bearing	
12	1001150372	2	Spindle	
13	1001150539	2	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
14	1001161355	4	Kingpin	
15	1001150937	4	Plate	
16	1001154931	2	Tie-Rod	
16A	0962181	1	Bushing	
16B	0962152	1	Bushing	
17	1001161399	2	Washer, Thrust	
18	0741609	4	Screw 3/8 x 1-1/8	
19	3340966	2	Pad, Stop	
20	3422848	2	Pin, Hitch	
21	4071059	AR	Shim 16 Gauge	
22	4740155	3	Washer, Thrust	
23	1001155035	1	Link	
23A	0962348	1	Bushing	
24	4740463	AR	Washer, Thrust	

FIGURE 1-6. STEER INSTALLATION - 4WS

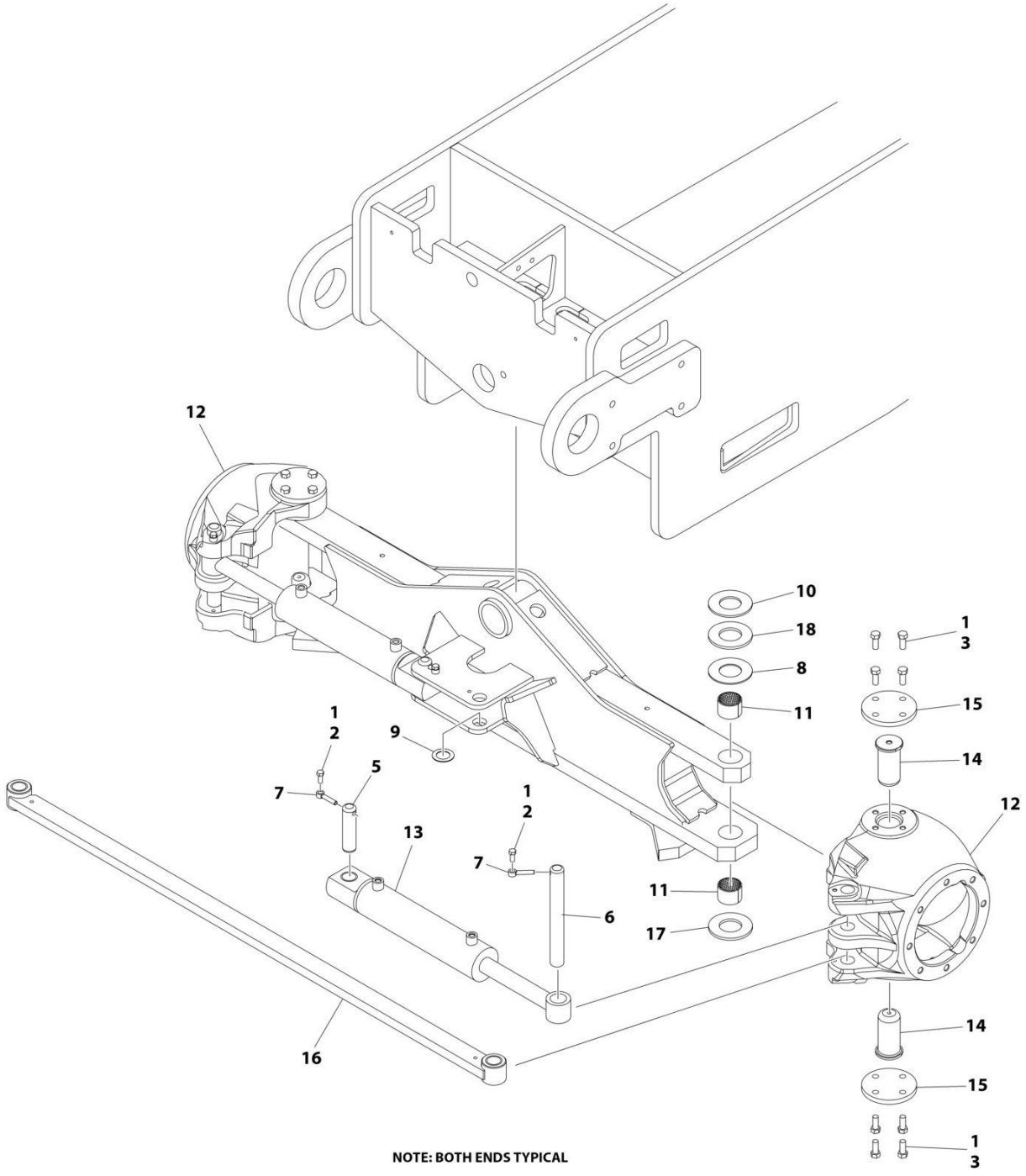


FIGURE 1-6. STEER INSTALLATION - 4WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151035	Rev	STEERING INSTALLATION - 4WS	G
1	0100011	AR	Compound, Locking	
2	0641607	8	Bolt 3/8 x 7/8	
3	0641810	32	Bolt 1/2 x 1-1/4	
5	3422417	4	Pin	
6	3422790	4	Pin	
7	3841520	8	Keeper, Pin	
8	4740256	AR	Washer, Thrust	
9	4740473	4	Washer	
10	1001103810	4	Washer, Thrust	
11	1001165657	8	Bearing	
12	1001150372	4	Spindle	
13	1001150539	4	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
14	1001161355	8	Kingpin	
15	1001150937	8	Plate	
16	1001151980	2	Tie-Rod	
17	1001161399	4	Washer, Thrust	
18	4740463	AR	Washer, Thrust	

FIGURE 1-7. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 2WD

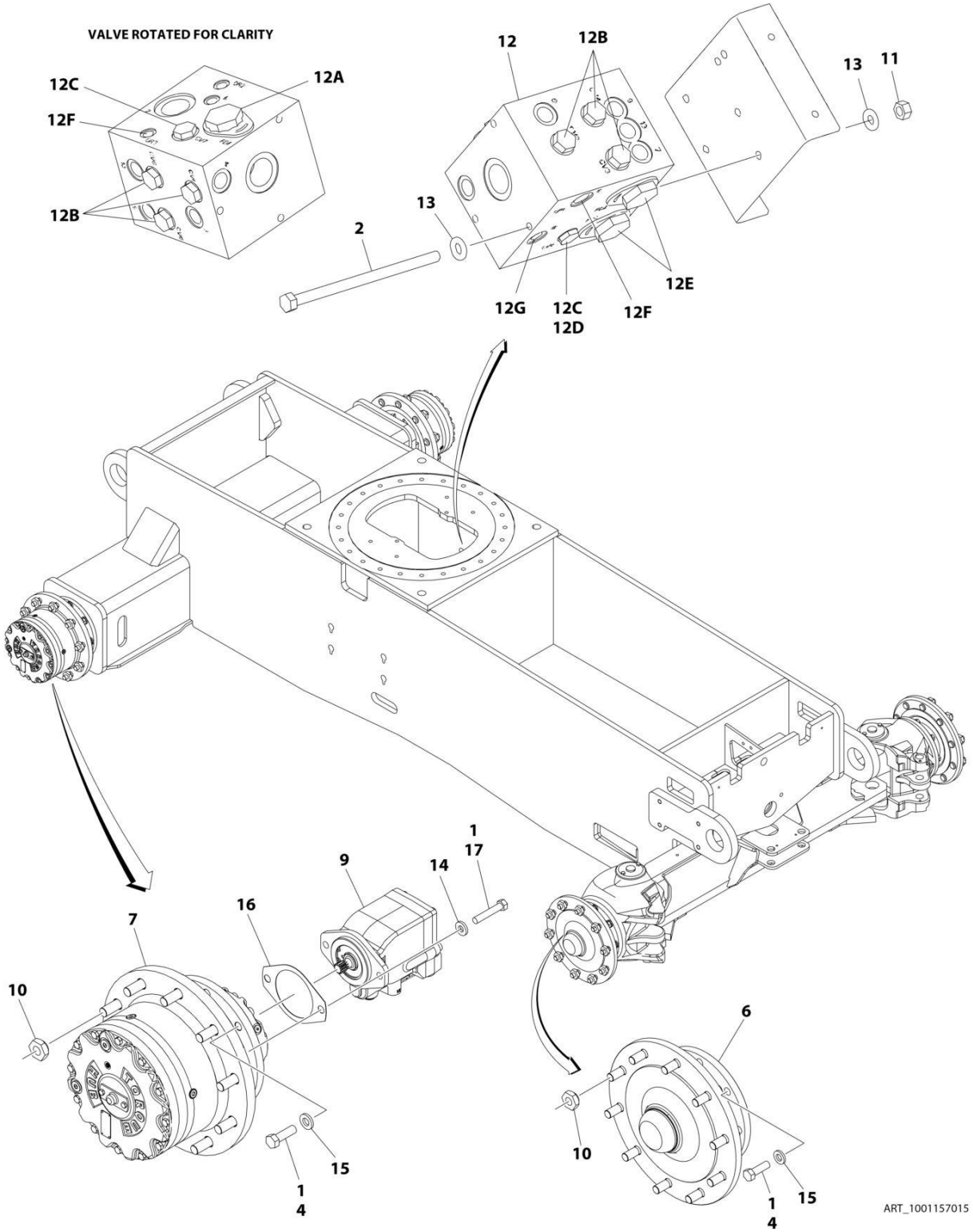


FIGURE 1-7. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 2WD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157015	Ref	WHEEL DRIVE INSTALLATION - 2WD	E
1	0100011	AR	Compound, Locking	
2	0641542	2	Bolt 5/16 x 5 1/4	
4	0682016	32	Bolt 5/8 x 2 Grade 8	
6	2780229	2	Hub Assembly (See Separate Breakdown in this Section)	
7	1001219219	2	Drive Hub Assembly (See Separate Breakdown in this Section)	
9	3160347	2	Drive Motor Assembly (See Separate Breakdown in this Section)	
10	3300007	40	Nut, Wheel	
11	3311505	2	Nut 5/16	
12	1001099870	1	Flow Divider Valve Assembly	C
12A	7023933	1	Cartridge, Flow Divider	
12A	7021625	1	Seal Kit - 7023933 Cartridge	
12A	70000781	1	Lockdown Kit	
12B	7022397	1	Cartridge, Check	
12B	7022399	1	Seal Kit - 7022397 Cartridge	
12C	70002390	1	Cartridge, Check	
12C	7022399	1	Seal Kit - 70002390 Cartridge	
12D	7024881	1	Piston, Pilot	
12E	7017406	1	Plug	
12F	7024844	1	Plug	
12F	7017492	1	Orifice	
13	4711500	4	Washer 5/16	
14	4891800	4	Washer, 1/2	
15	4892000	32	Washer 5/8	
16	3960526	2	Gasket	
17	0681822	4	Bolt 1/2 x 2-3/4 Grade 8	

FIGURE 1-8. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 4WD/2WS

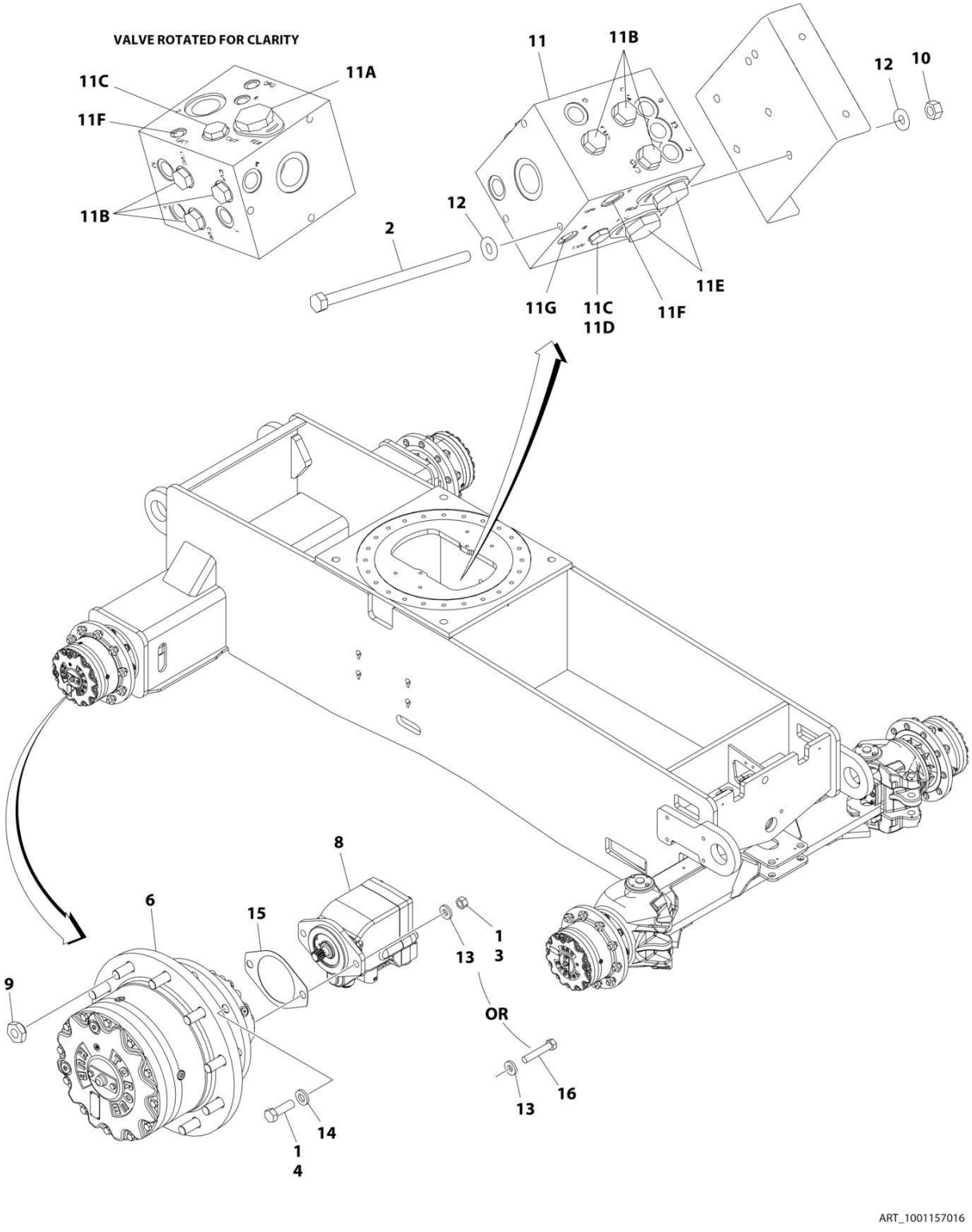


FIGURE 1-8. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 4WD/2WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157016	Ref	WHEEL DRIVE AND FRAME VALVES INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0641560	3	Bolt 5/16 x 7-1/2	
3	3311801	8	Nut 1/2	
4	0682016	32	Bolt 5/8 x 2 Grade 8	
5	2300016	AR	Fluid, Hydraulic (Not Shown)	
6	1001219219	4	Drive Hub Assembly (See Separate Breakdown in this Section)	
8	3160348	4	Drive Motor Assembly (See Separate Breakdown in this Section)	
9	3300007	40	Nut, Wheel	
10	3311505	3	Nut 5/16	
11	4641303	1	Flow Divider Valve Assembly	C
11A	7023933	1	Cartridge, Flow Divider	
11A	7021625	1	Seal Kit - 7023933 Cartridge	
11B	7022397	6	Cartridge, Check	
11B	7022399	6	Seal Kit - 7022397 Cartridge	
11C	7021639	2	Cartridge, Check Valves	
11C	2900756	2	Seal Kit - 7021639 Cartridge	
11D	7024881	1	Piston, Pilot	
11E	7023917	2	Cartridge, Flow Divider	
11E	7021625	2	Seal Kit - 7023917 Cartridge	
11F	70003935	2	Orifice	
11G	70003936	1	Orifice	
12	4711500	6	Washer 5/16	
13	4891800	8	Washer 1/2	
14	4892000	32	Washer 5/8	
15	3960526	2	Gasket	
16	0681822	4	Bolt 1/2 x 2-3/4	

FIGURE 1-9. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 4WD/4WS

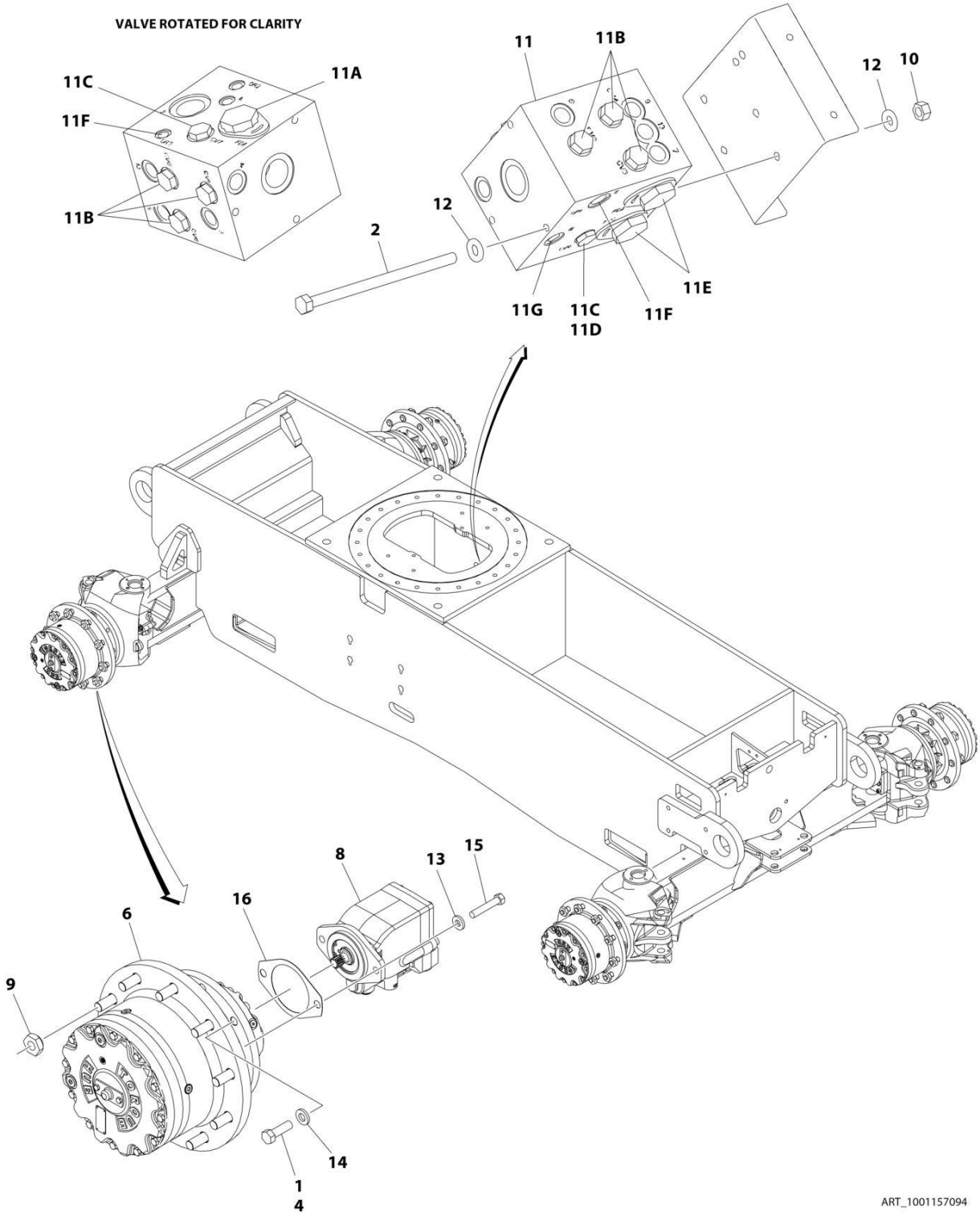


FIGURE 1-9. WHEEL DRIVE AND FRAME VALVES INSTALLATION - 4WD/4WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157094	Ref	WHEEL DRIVE AND FRAME VALVES INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0641560	3	Bolt 5/16 x 7-1/2	
4	0682016	32	Bolt 5/8 x 2 Grade 8	
6	1001219219	4	Drive Hub Assembly (See Separate Breakdown in this Section)	
8	3160348	4	Drive Motor Assembly (See Separate Breakdown in this Section)	
9	3300007	40	Nut, Wheel	
10	3311505	3	Nut 5/16	
11	4641303	1	Flow Divider Valve Assembly	C
11A	7023933	1	Cartridge, Flow Divider	
11A	7021625	1	Seal Kit - 7023933 Cartridge	
11B	7022397	6	Cartridge, Check	
11B	7022399	6	Seal Kit - 7022397 Cartridge	
11C	7021639	2	Cartridge, Check Valves	
11C	2900756	2	Seal Kit - 7021639 Cartridge	
11D	7024881	1	Piston, Pilot	
11E	7023917	2	Cartridge, Flow Divider	
11E	7021625	2	Seal Kit - 7023917 Cartridge	
11F	70003935	2	Orifice	
11G	70003936	1	Orifice	
12	4711500	6	Washer 5/16	
13	4891800	8	Washer 1/2	
14	4892000	32	Washer 5/8	
15	0681822	8	Bolt 1/2 x 2-3/4 Grade 8	
16	3960526	4	Gasket	

FIGURE 1-10. HUB ASSEMBELY - 2WD FRONT

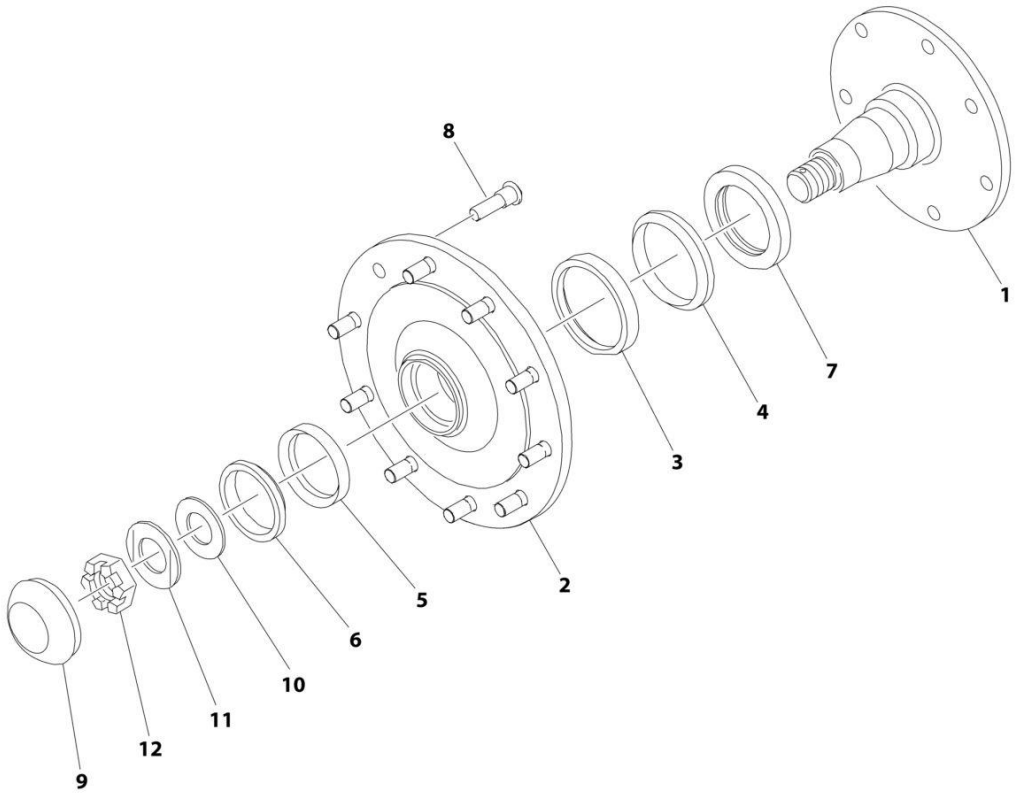


FIGURE 1-10. HUB ASSEMBELY - 2WD FRONT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780229	Ref	HUB ASSEMBLY	A
1	7017052	1	Spindle (1 per Assembly)	
2	7017053	1	Housing (1 per Assembly)	
3	7010404	1	Cup, Bearing - Inner (1 per Assembly)	
4	7010405	1	Cone, Bearing - Inner (1 per Assembly)	
5	7017056	1	Cup, Bearing - Outer (1 per Assembly)	
6	7017055	1	Cone, Bearing - Outer (1 per Assembly)	
7	7010406	1	Seal, Lip (1 per Assembly)	
8	7000265	10	Stud (10 per Assembly)	
9	7017054	1	Dust Cap (1 per Assembly)	
10	7017051	1	Washer, Special (1 per Assembly)	
11	7017057	1	Washer, Tanged (1 per Assembly)	
12	7017058	1	Nut, Bearing (1 per Assembly)	

FIGURE 1-11. DRIVE HUB/BRAKE ASSEMBLY

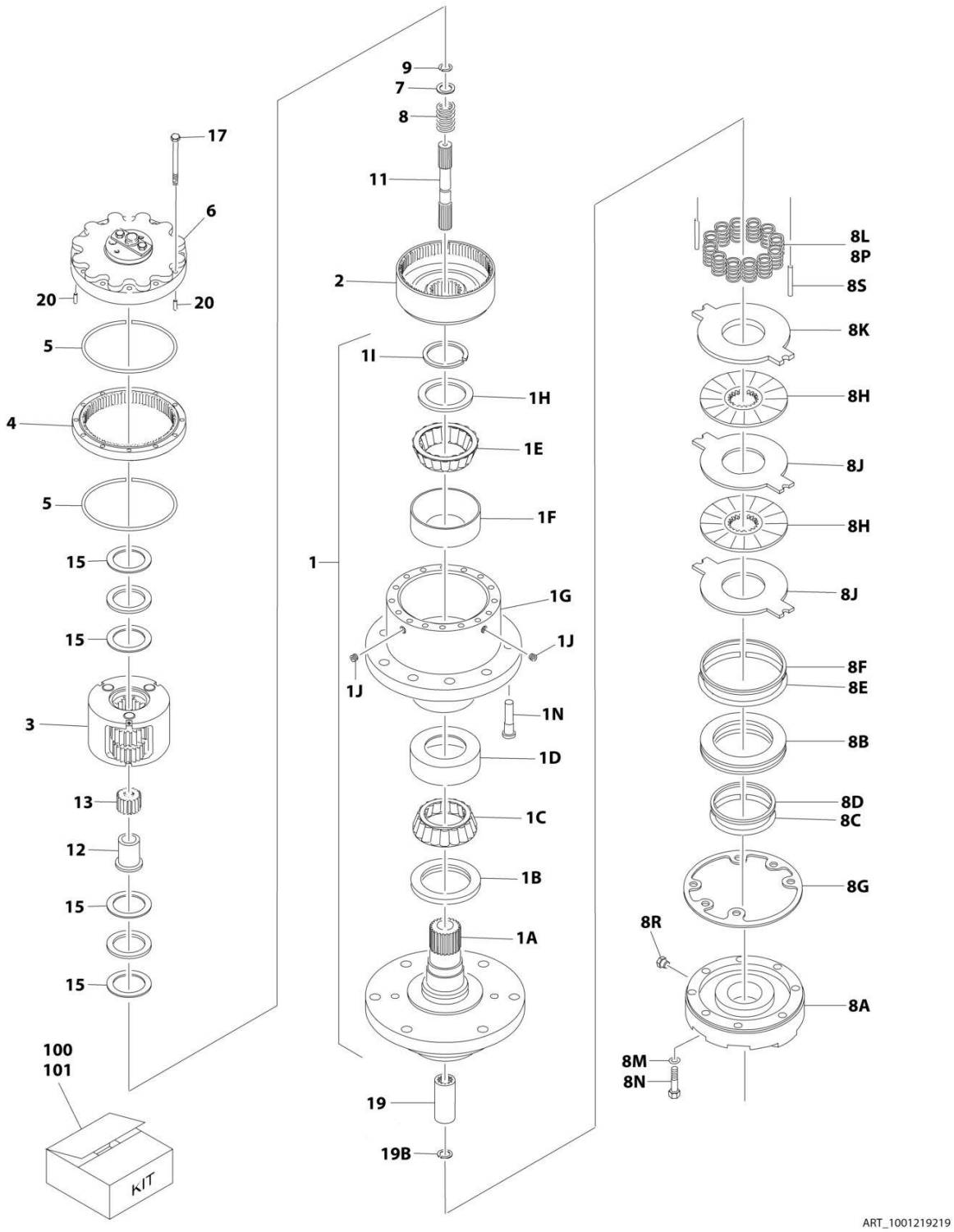


FIGURE 1-11. DRIVE HUB/BRAKE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219219	Ref	DRIVE HUB/BRAKE ASSEMBLY	C
1	See Note	NSS	Spindle/Housing Assembly (Note: Not Available - Purchase Individual Components)	
1A	70006677	1	Spindle	
1B	70006678	1	Seal	
1C	1001091460	1	Cone, Bearing	
1D	1001091460	1	Cup, Bearing	
1E	1001091461	1	Cone, Bearing	
1F	1001091461	1	Cup, Bearing	
1G	See Note	NSS	Housing (Note: Not Available - Not Available for Purchase)	
1H	7000239	1	Thrustwasher	
1I	7000240	1	Ring, Retaining	
1J	7001928	1	Plug, Pipe	
1N	See Note	NSS	Stud, Wheel (Note: Not Available - Not Available for Purchase)	
2	7024782	1	Gear, Ring	
3	70006673	1	Carrier Assembly	
4	7024151	1	Gear, Internal	
5	7000224	2	O-Ring	
6	70006674	NSS	Cover Assembly (Note: Not Available - Not Available for Purchase)	
7	70006691	1	Thrustwasher	
8	7000283	1	Spring	
8A	7024191	1	Housing, Piston	
8B	70006684	1	Piston	
8C	See Note	NSS	O-Ring (Note: Use Item 101)	
8D	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
8E	See Note	NSS	O-Ring (Note: Use Item 101)	
8F	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
8G	See Note	NSS	Gasket (Note: Use Items 100 & 101)	
8H	See Note	NSS	Brake, Stator (Note: Use Item 100)	
8J	See Note	NSS	Brake, Rotor (Note: Use Item 100)	
8K	See Note	NSS	Plate, Pressure (Note: Use Item 100)	
8L	80344004	10	Spring	
8M	70006685	6	Capscrew	
8N	70006690	6	Lockwasher	
8P	70006680	2	Spring	
8R	7017082	2	Plug	
8S	7024190	2	Pin, Dowel	
9	7000284	1	Ring, Retaining	
11	70006675	1	Shaft, Input	
12	7024154	1	Spacer, Input	
13	7024149	1	Gear, Sun	
15	70006692	2	Thrustwasher	
17	7000289	12	Bolt 3/8 x 2-1/2in (Grade 8)	
19	70006676	1	Coupling	
19B	7017028	1	Ring, Retaining	
20	7017047	2	Pin, Dowel	
100	70006832	1	Friction Disc Kit (Includes Items 8G, 8H, 8J & 8K)	
101	70006833	1	Seal Kit (Includes Items - 8C-8G)	

FIGURE 1-12. DRIVE MOTOR ASSEMBLY - 2WD

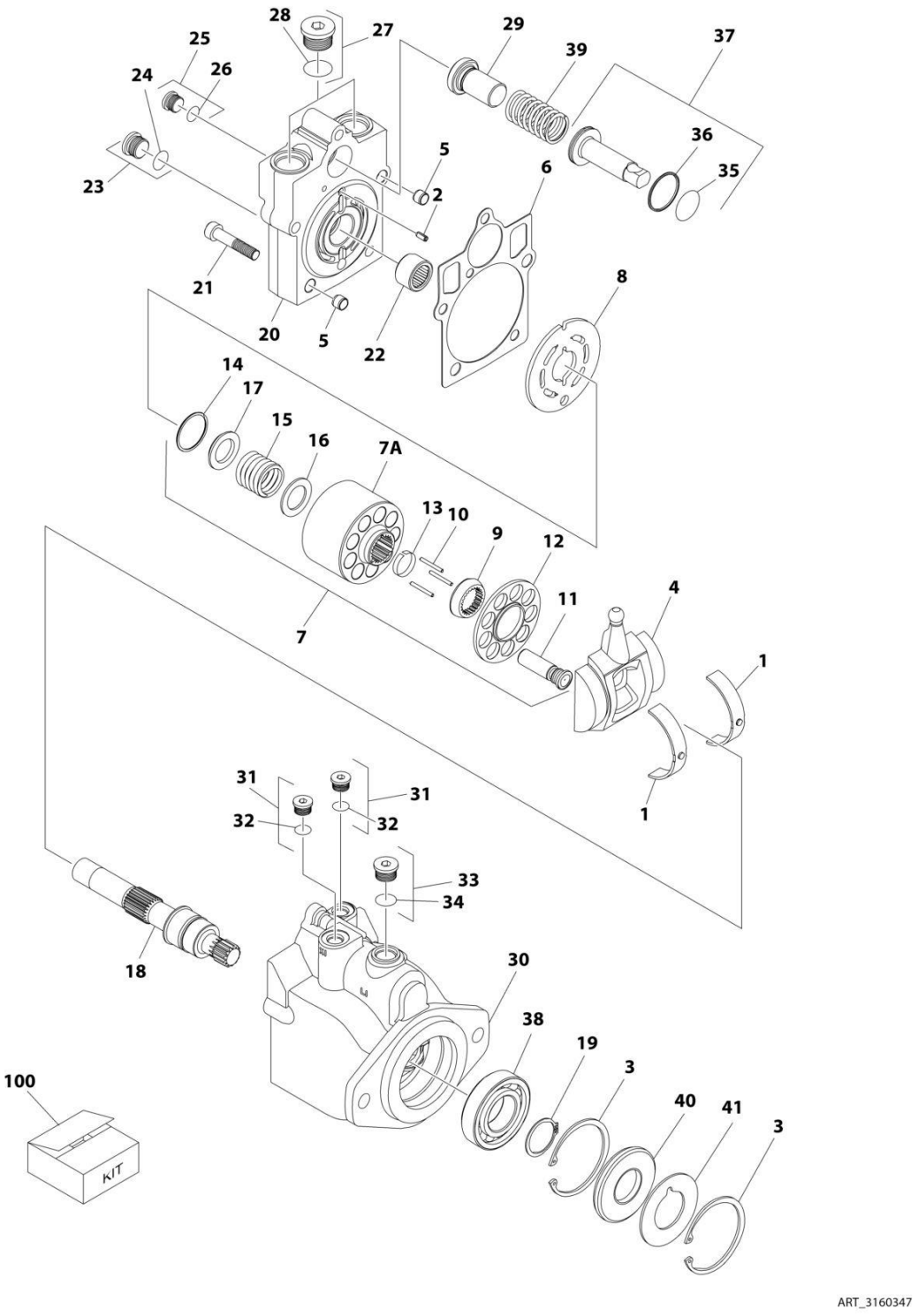


FIGURE 1-12. DRIVE MOTOR ASSEMBLY - 2WD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160347	Ref	DRIVE MOTOR ASSEMBLY	B
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	7022305	1	Swash Plate	
5	See Note	2	Pin (Note: Not Available for Purchase)	
6	See Note	NSS	Gasket (Note: Use Item 100)	
7	7027740	1	Cylinder Block Kit (Includes Items 7A & 9-17)	
7A	See Note	NSS	Block, Cylinder (Note: Use Item 7)	
8	7024862	1	Plate, Valve	
9	7021277	1	Guide, Slipper Retainer	
10	7021275	3	Pin, Slipper Hold Down	
11	See Note	NSS	Piston Assembly (Note: Use Item 7)	
12	See Note	NSS	Retainer, Slipper (Note: Use Item 7)	
13	See Note	NSS	Retainer, Hold Down Pin (Note: Use Item 7)	
14	7022311	1	Ring, Retaining	
15	7024867	1	Spring	
16	7022313	1	Washer	
17	7022314	1	Retainer, Spring	
18	7023910	1	Shaft	
19	7007439	1	Ring, Retaining	
20	70000795	1	Cap, End - Axial	
21	7022368	5	Screw	
22	7021249	1	Bearing, Needle	
23	2220886	1	Plug (Includes Item 24)	
24	See Note	1	O-Ring (Note: Use Item 23 or 100)	
25	2220883	1	Plug (Includes Item 26)	
26	See Note	NSS	O-Ring (Note: Use Item 25 or 100)	
27	2220888	2	Plug (Includes Item 28)	
28	See Note	NSS	O-Ring (Note: Use Item 27 or 100)	
29	7027741	1	Seat, Spring	
30	See Note	NSS	Housing (Note: Not Available - Purchase Complete Assembly)	
31	2220883	2	Plug (Includes Item 32)	
32	See Note	NSS	O-Ring (Note: Use Item 31 or 100)	
33	2220886	1	Plug (Includes Item 34)	
34	See Note	NSS	O-Ring (Note: Use Item 33 or 100)	
35	See Note	NSS	O-Ring (Note: Use Item 100)	
36	See Note	NSS	Ring, Seal (Note: Use Item 100)	
37	7024871	1	Piston, Servo (Includes Items 35 & 36)	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	See Note	NSS	Seal, Lip (Note: Use Item 100)	
41	7022371	1	Washer, Support	
		Ref	KIT OPTIONS:	
100	7022328	1	Seal Kit (Includes Items 6, 24, 26, 28, 32, 34, 35, 36 & 40)	

FIGURE 1-13. DRIVE MOTOR ASSEMBLY - 4WD

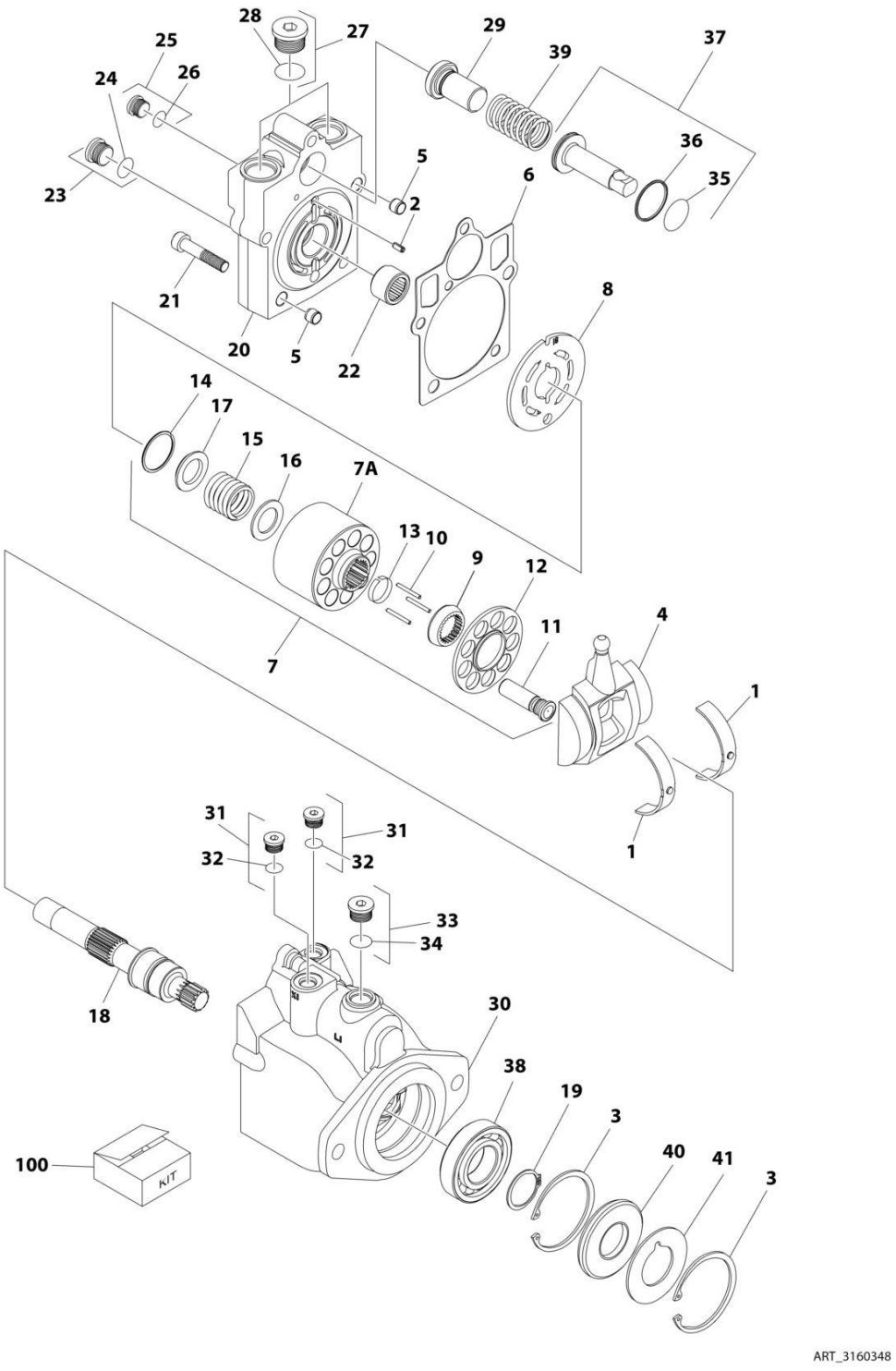


FIGURE 1-13. DRIVE MOTOR ASSEMBLY - 4WD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160348	Ref	DRIVE MOTOR ASSEMBLY	D
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	7022305	1	Swash Plate	
5	See Note	2	Pin (Note: Not Available for Purchase)	
6	See Note	NSS	Gasket (Note: Use Item 100)	
7	7023907	1	Cylinder Block Kit (Includes Items 7A & 9-17)	
7A	See Note	NSS	Block, Cylinder (Note: Use Item 7)	
8	7023908	1	Plate, Valve	
9	7021277	1	Guide, Slipper Retainer	
10	7021275	3	Pin, Slipper Hold Down	
11	See Note	NSS	Piston Assembly (Note: Use Item 7)	
12	7022310	1	Retainer, Slipper	
13	7021276	1	Retainer, Hold Down Pin	
14	7022311	1	Ring, Retaining	
15	7022312	1	Spring	
16	7024868	1	Washer	
17	7022314	1	Retainer, Spring	
18	7023910	1	Shaft	
19	7007439	1	Ring, Retaining	
20	70000797	1	Cap, End - Axial	
21	7022368	5	Screw	
22	7021249	1	Bearing, Needle	
23	2220886	1	Plug (Includes Item 24)	
24	See Note	1	O-Ring (Note: Use Item 23 or 100)	
25	2220883	1	Plug (Includes Item 26)	
26	See Note	NSS	O-Ring (Note: Use Item 25 or 100)	
27	2220888	2	Plug (Includes Item 28)	
28	See Note	NSS	O-Ring (Note: Use Item 27 or 100)	
29	7022372	1	Seat, Spring	
30	See Note	NSS	Housing (Note: Not Available - Purchase Complete Assembly)	
31	2220883	2	Plug (Includes Item 32)	
32	See Note	NSS	O-Ring (Note: Use Item 31 or 100)	
33	2220886	1	Plug (Includes Item 34)	
34	See Note	NSS	O-Ring (Note: Use Item 33 or 100)	
35	See Note	NSS	O-Ring (Note: Use Item 100)	
36	See Note	NSS	Ring, Seal (Note: Use Item 100)	
37	7024854	1	Piston, Servo (Includes Items 35 & 36)	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	See Note	1	Seal, Lip (Note: Use Item 100)	
41	7022371	1	Washer, Support	
		Ref	KIT OPTIONS:	
100	7022328	1	Seal Kit (Includes Items 6, 24, 26, 28, 32, 34, 35, 36 & 40)	

FIGURE 1-14. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED TIRE

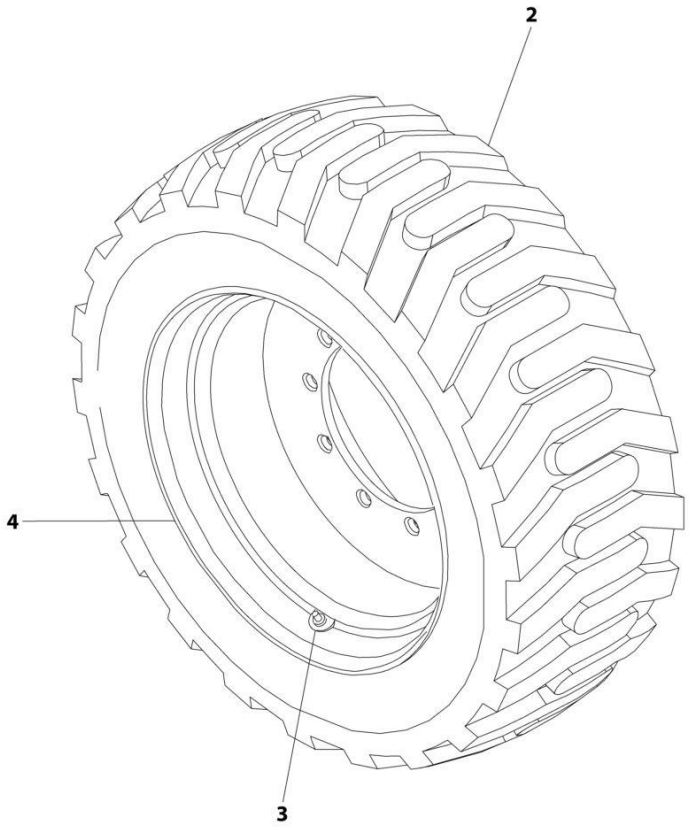
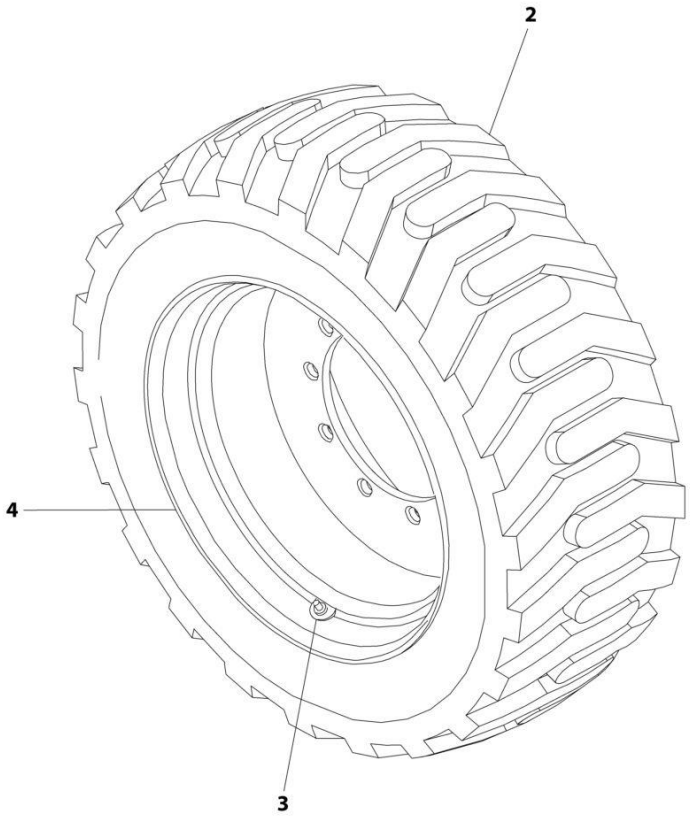


FIGURE 1-14. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED TIRE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270888	Ref	TIRE AND WHEEL INSTALLATION	C
	0271090	2	Tire and Wheel Assembly - 18-625 NHS Foam-Filled LH Side	G
	0271091	2	Tire and Wheel Assembly - 18-625 NHS Foam-Filled RH Side	G
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.	
		Ref	Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
2	4520253	1	Tire 18-625	
3	4641122	1	Valve, Air	
4	4860225	1	Rim, Wheel - 15 x 24.5 Rim	

FIGURE 1-15. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED NON-MARKING TIRE



ART_1001169757

FIGURE 1-15. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED NON-MARKING TIRE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169757	Ref	TIRE AND WHEEL INSTALLATION	A
	1001169755	2	Tire and Wheel Assembly - 18-625 NHS Foam-Filled Non-Marking LH Side	D
	1001169756	2	Tire and Wheel Assembly - 18-625 NHS Foam-Filled Non-Marking RH Side	D
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.	
		Ref	Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
2	1001169754	1	Tire 18-625 Non-Marking	
3	4641122	1	Valve, Air	
4	4860225	1	Rim, Wheel - 15 x 24.5 Rim	

FIGURE 1-16. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED SAND TIRE

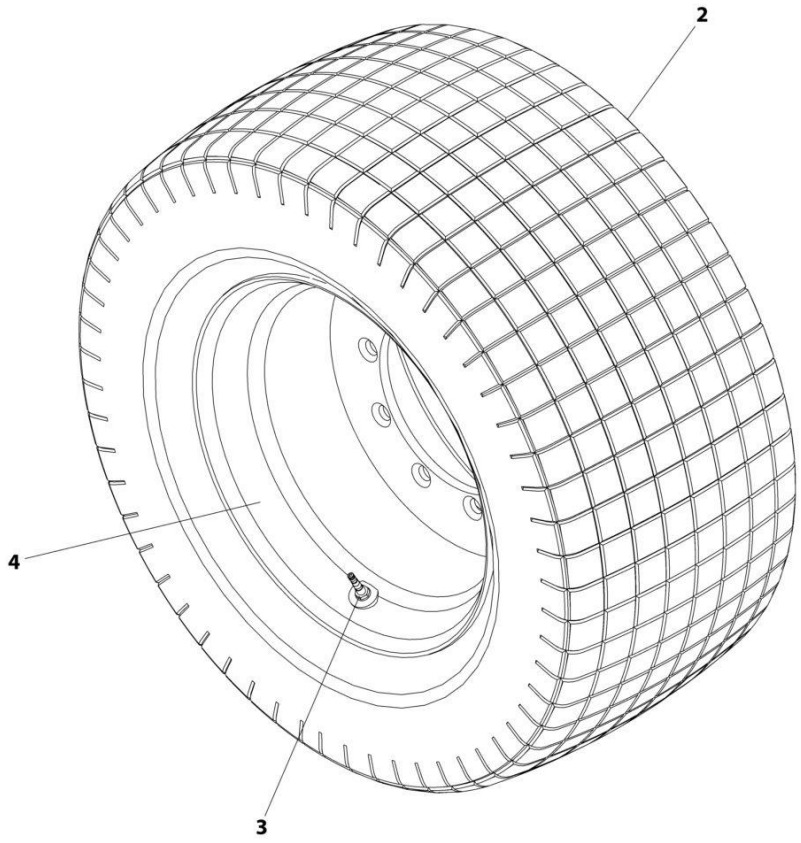


FIGURE 1-16. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED SAND TIRE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243645	Ref	TIRE AND WHEEL INSTALLATION	A
	1001245049	4	Tire and Wheel Assembly - 18-625 NHS Foam-Filled Sand	B
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.	
		Ref	Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
2	4520256	1	Tire 18-625 Non-Marking	
3	4641122	1	Valve, Air	
4	1001209982	1	Rim, Wheel - 22.5 x 14	

FIGURE 1-17. LP TANK BRACKETS INSTALLATIONS

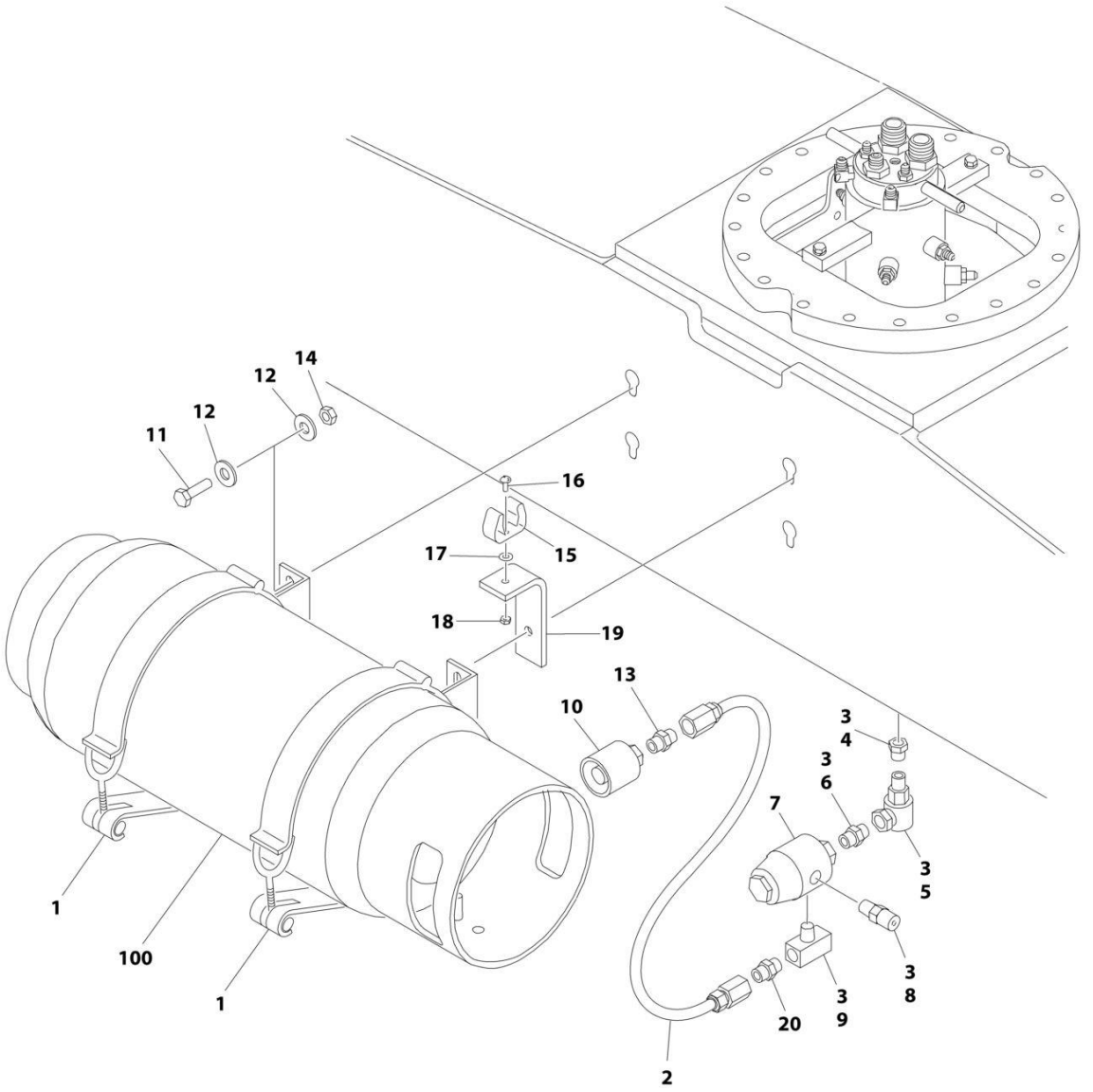


FIGURE 1-17. LP TANK BRACKETS INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151010	Ref	LP TANK BRACKETS INSTALLATION	E
1	1320220	2	Clamp	
1	1320127	2	Clamp, Toggle (1 Per Clamp)	
2	2720144	2	Hose	
3	0100020	AR	Sealant, Pipe	
4	2221197	1	Fitting, Reducer	
5	1001247358	1	Fitting, 90 Swivel	
6	2220261	1	Fitting, Nipple	
7	2180388	1	Fitting, Bulkhead	
8	2180389	1	Valve, Relief	
9	2220418	1	Fitting, Tee	
10	2180387	2	Fitting, Straight	
11	0641617	8	Bolt 3/8 x 2-1/8	
12	4751600	16	Washer 3/8	
13	2180418	2	Fitting, Connector	
14	3311605	8	Nut 3/8	
15	1320218	2	Clamp, Spring	
16	0720804	2	Screw #8 x 1/2	
17	4750800	4	Washer #8	
18	3310805	2	Nut #8	
19	0181949	2	Angle, Support	
20	2221024	2	Fitting, Union Ball Check	
100	4400275	1	Tank, LP - 43.5 Lbs. (Aluminum)	

FIGURE 1-18. FRAME SHIELDS INSTALLATION - 2WS

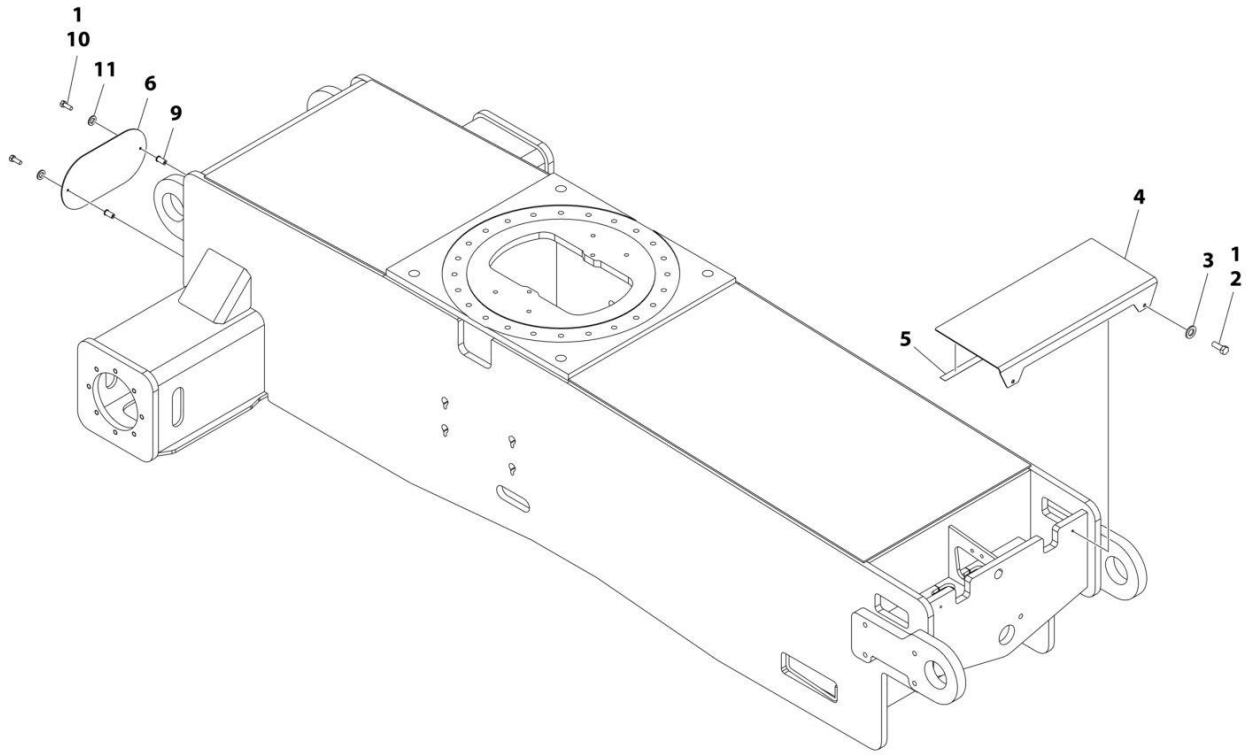


FIGURE 1-18. FRAME SHIELDS INSTALLATION - 2WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158203	Ref	FRAME SHIELDS INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0641606	2	Bolt 3/8 x 3/4	
3	4751600	2	Washer 3/8	
4	1001158187	1	Cover	
5	4280296	27 in/ 68cm	Trim	
6	1001158188	1	Cover	
9	8580420	2	Nut, Well	
10	0641410	2	Bolt 1/4 x 1-1/4	
11	4751400	2	Washer 1/4	

FIGURE 1-19. FRAME SHIELDS INSTALLATION - 4WS

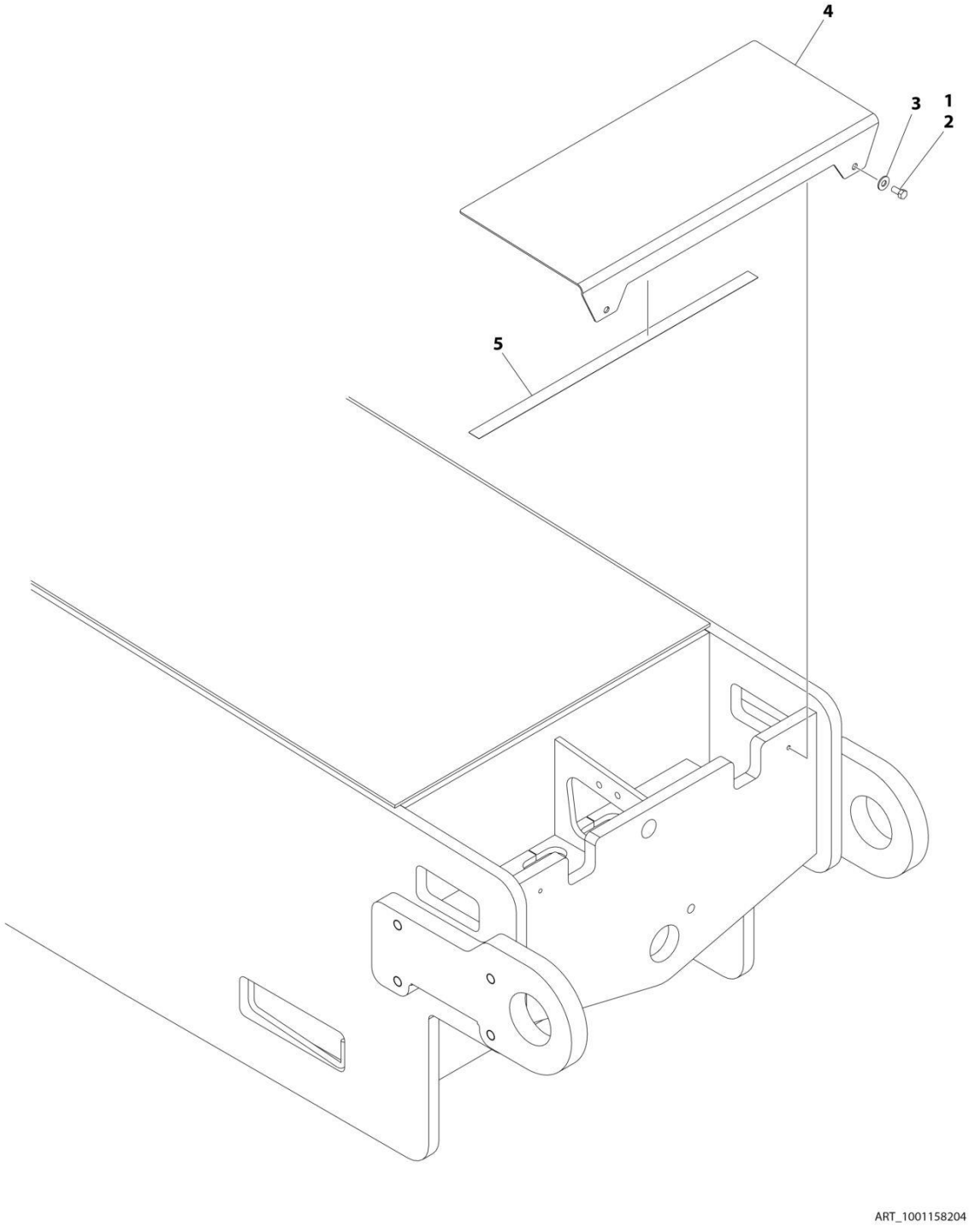


FIGURE 1-19. FRAME SHIELDS INSTALLATION - 4WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158204	Ref	FRAME SHIELDS INSTSALLATION	C
1	0100011	AR	Compound, Locking	
2	0641606	2	Bolt 3/8 x 3/4	
3	4751600	2	Washer 3/8	
4	1001158187	1	Cover	
5	4280296	27 in/ 68cm	Trim	

FIGURE 1-20. TOW PACKAGE INSTALLATION - 2WS (ENGLISH LANGUAGE DECALS)

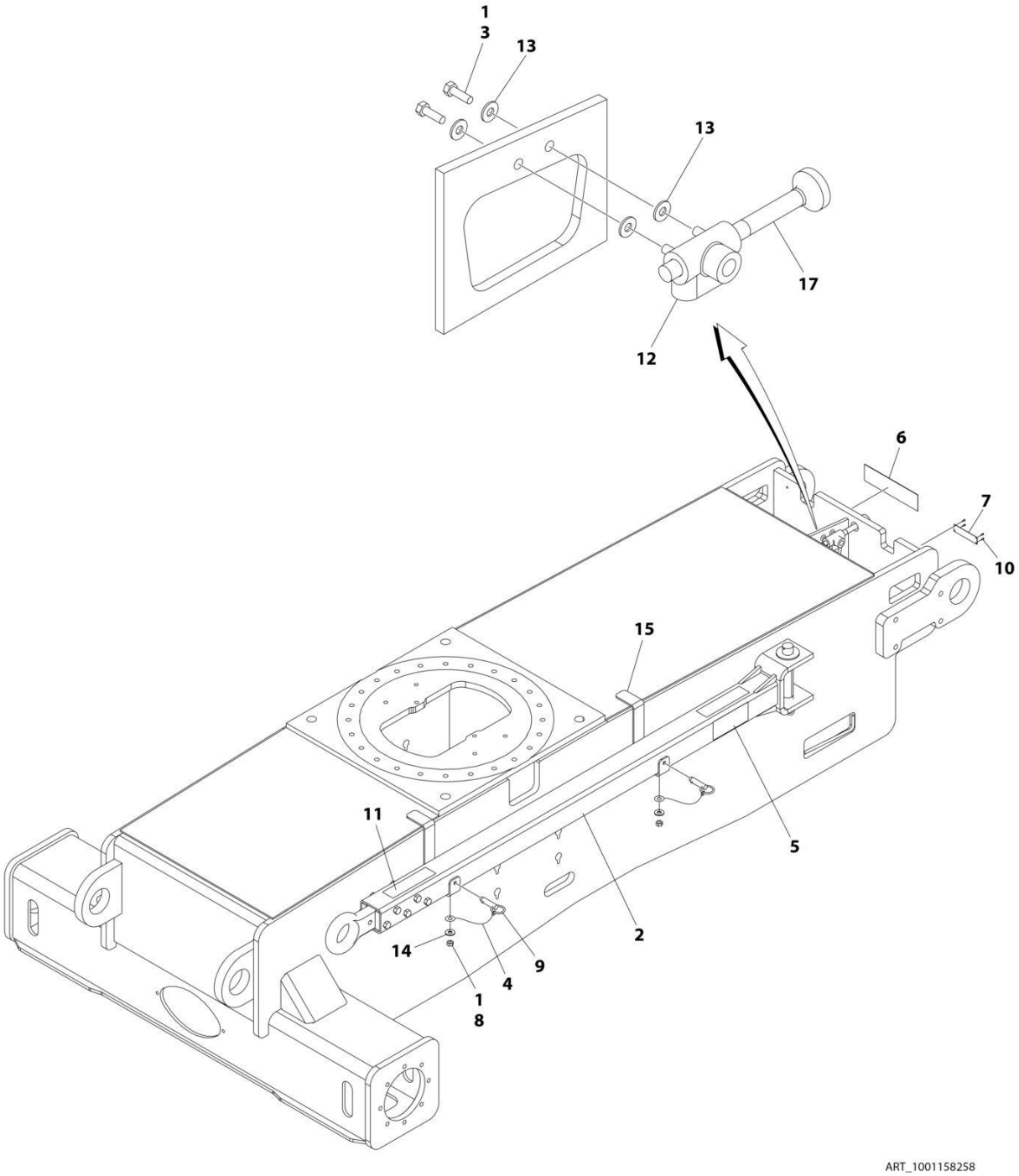


FIGURE 1-20. TOW PACKAGE INSTALLATION - 2WS (ENGLISH LANGUAGE DECALS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158258	Ref	TOW PACKAGE INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0232121	1	Tow Bar Assembly (See Separate Breakdown in this Section)	
3	0641508	2	Bolt 5/16 x 1	
4	1260017	2 ft/0.3m	Chain	
5	1704578	2	Decal - Crushing	
6	1705090	1	Decal - Towing Instructions	
7	3250872	1	Nameplate - Steer/Tow Valve	
8	3311401	2	Nut 1/4	
9	3420292	2	Pin	
10	3820001	4	Rivet, Pop	
11	4420051	2 ft/0.3m	Tape	
12	4640261	1	Valve, Float Position	
13	4751500	4	Washer 5/16	
14	4751400	2	Washer 1/4	
15	1001158522	2	Bracket	
17	1001160780	1	Rod, Extension	

FIGURE 1-21. TOW PACKAGE INSTALLATION - 2WS (CE & UK CA SPECS)

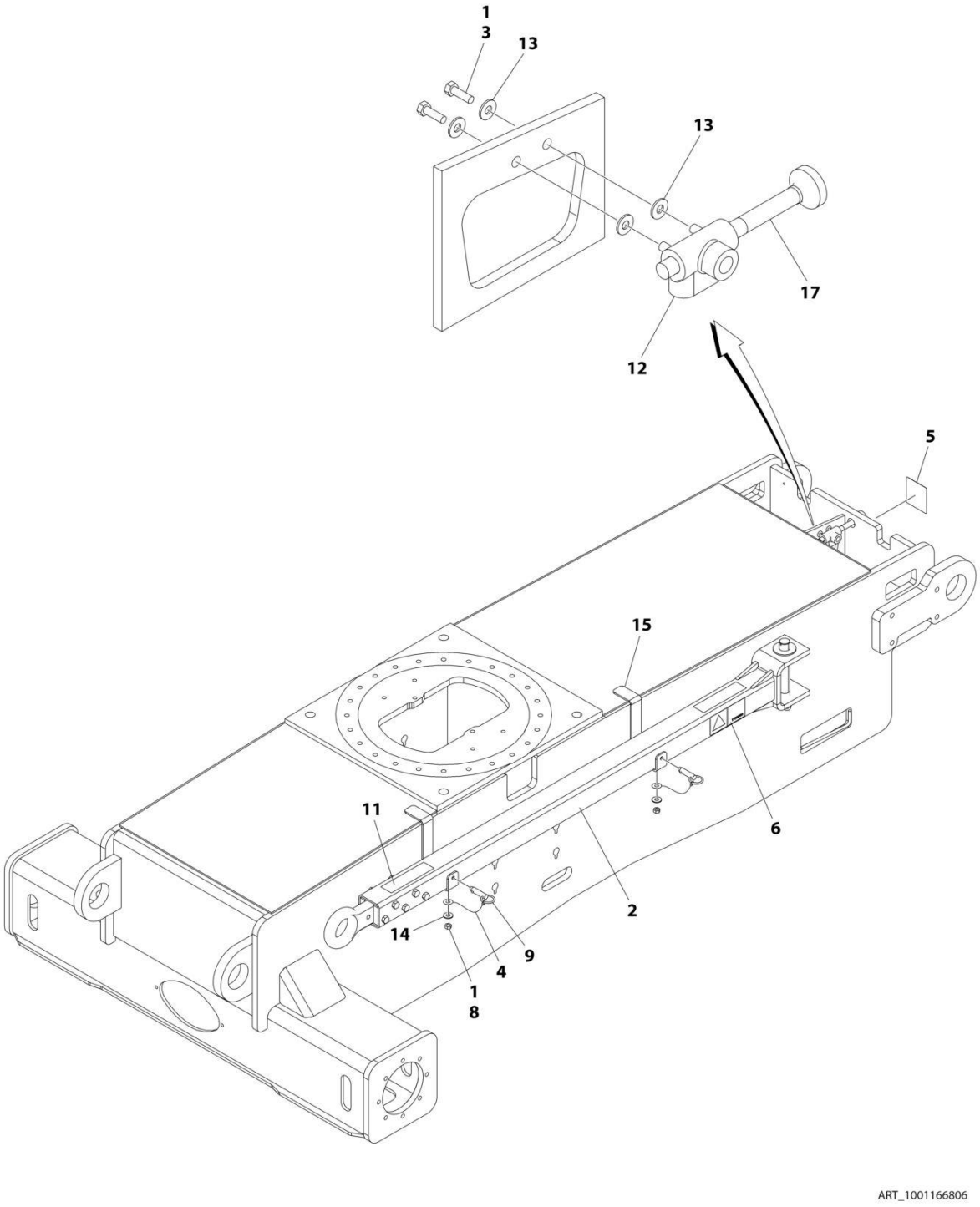


FIGURE 1-21. TOW PACKAGE INSTALLATION - 2WS (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166806	Ref	TOW BAR INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0232121	1	Tow Bar Assembly (See Separate Breakdown in this Section)	
3	0641508	2	Bolt 5/16 x 1	
4	1260017	2 ft/0.3m	Chain	
5	1706957	1	Decal - Tow Bar and Steer Select	
6	1706960	2	Decal - Crushing	
7	2792700	1	Hydraulic Diagram, Tow Bar Circuit (Not Shown)	
8	3311401	2	Nut 1/4	
9	3420292	2	Pin	
11	4420051	2 ft/0.3m	Tape	
12	4640261	1	Valve, Float Position	
13	4751500	AR	Washer 5/16	
14	4751400	2	Washer 1/4	
15	1001158522	1	Bracket	
17	1001160780	1	Rod, Extension	

FIGURE 1-22. TOW BAR ASSEMBLY

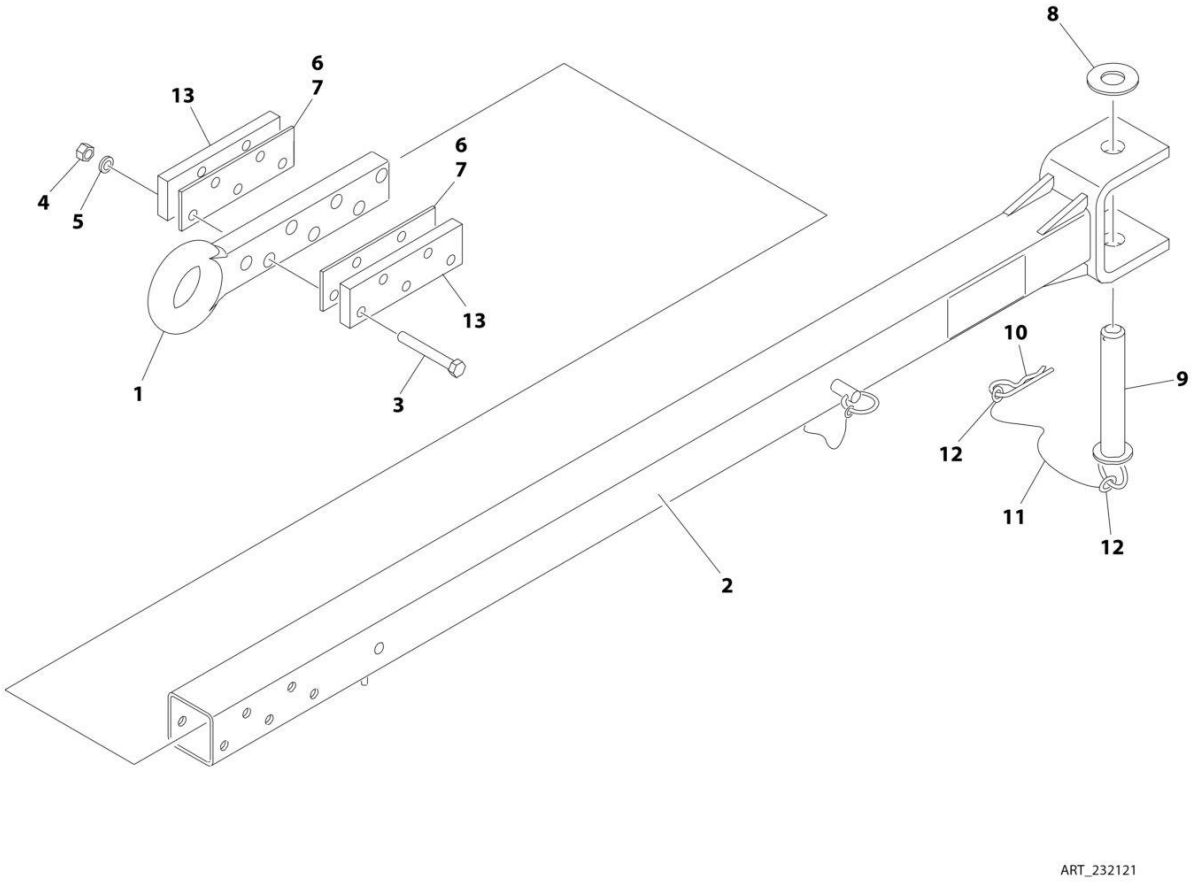


FIGURE 1-22. TOW BAR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0232121	Ref	TOW BAR ASSEMBLY	7-G
1	0360406	1	Bar, Draw	
2	4843777	1	Bar, Tow	
3	0642038	5	Bolt 5/8 x 4-3/4	
4	3312001	5	Nut 5/8	
5	4762000	5	Washer 5/8	
6	4070450	AR	Shim	
7	4070561	AR	Shim	
8	4740036	1	Washer 1-1/2	
9	3420447	1	Pin	
10	3420372	1	Pin	
11	1260135	1	Chain	
12	3760170	2	Ring	
13	4070560	2	Shim	

SECTION 2 - TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATION - WITH 2WS

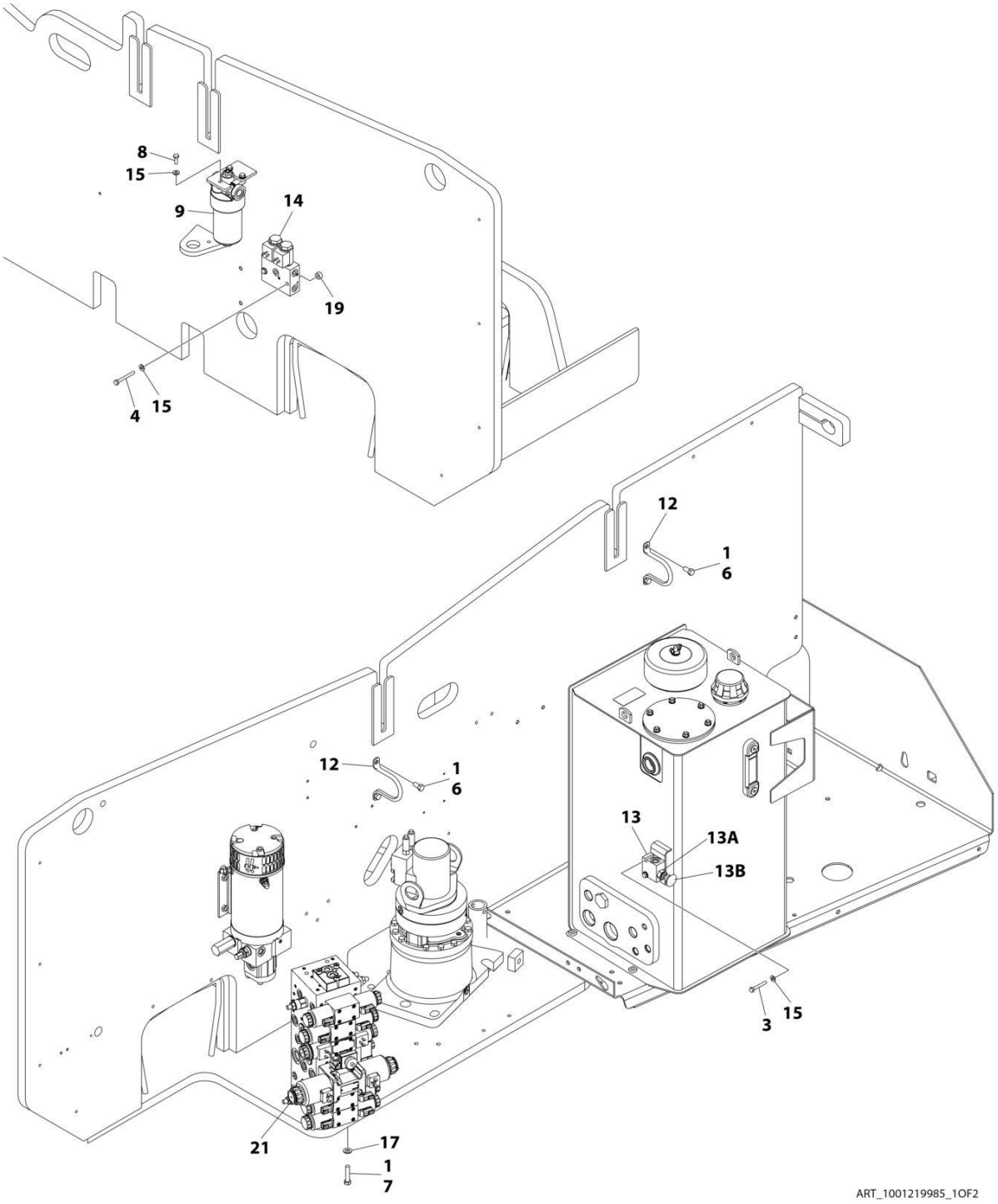


FIGURE 2-1. CONTROL VALVES INSTALLATION - WITH 2WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219985	Ref	BOOM VALVES INSTALLATION	B
1	0100011	AR	Compound, Locking	
3	0641414	2	Bolt 1/4 x 1-3/4	
4	0641418	4	Bolt 1/4 x 2-1/4	
6	0641606	4	Bolt 3/8 x 3/4	
7	0641614	3	Bolt 3/8 x 1-3/4	
8	0651406	3	Bolt 1/4 x 3/4	
9	2120209	1	Pressure Filter Assembly	
9	2120210	1	Element, Filter	
12	3841340	2	Loop, Hose	
13	4640866	1	Level Valve Assembly	
13A	7017466	1	Cartridge	
13A	2900708	1	Seal Kit	
13B	7012959	1	Knob	
14	4641317	1	Brake/2 Speed Valve Assembly	
14	7012944	1	Coil	
14	7012941	1	Cartridge without Coil	
14	7010543	1	Seal Kit- 7012941 Cartridge (1 Per Cartridge)	
15	4711400	11	Washer 1/4	
17	4711600	3	Washer 3/8	
19	1001110425	2	Spacer	
21	1001228170	1	Main Valve Assembly (See Separate Breakdown in this Section)	

FIGURE 2-2. CONTROL VALVES INSTALLATION - WITH 4WS

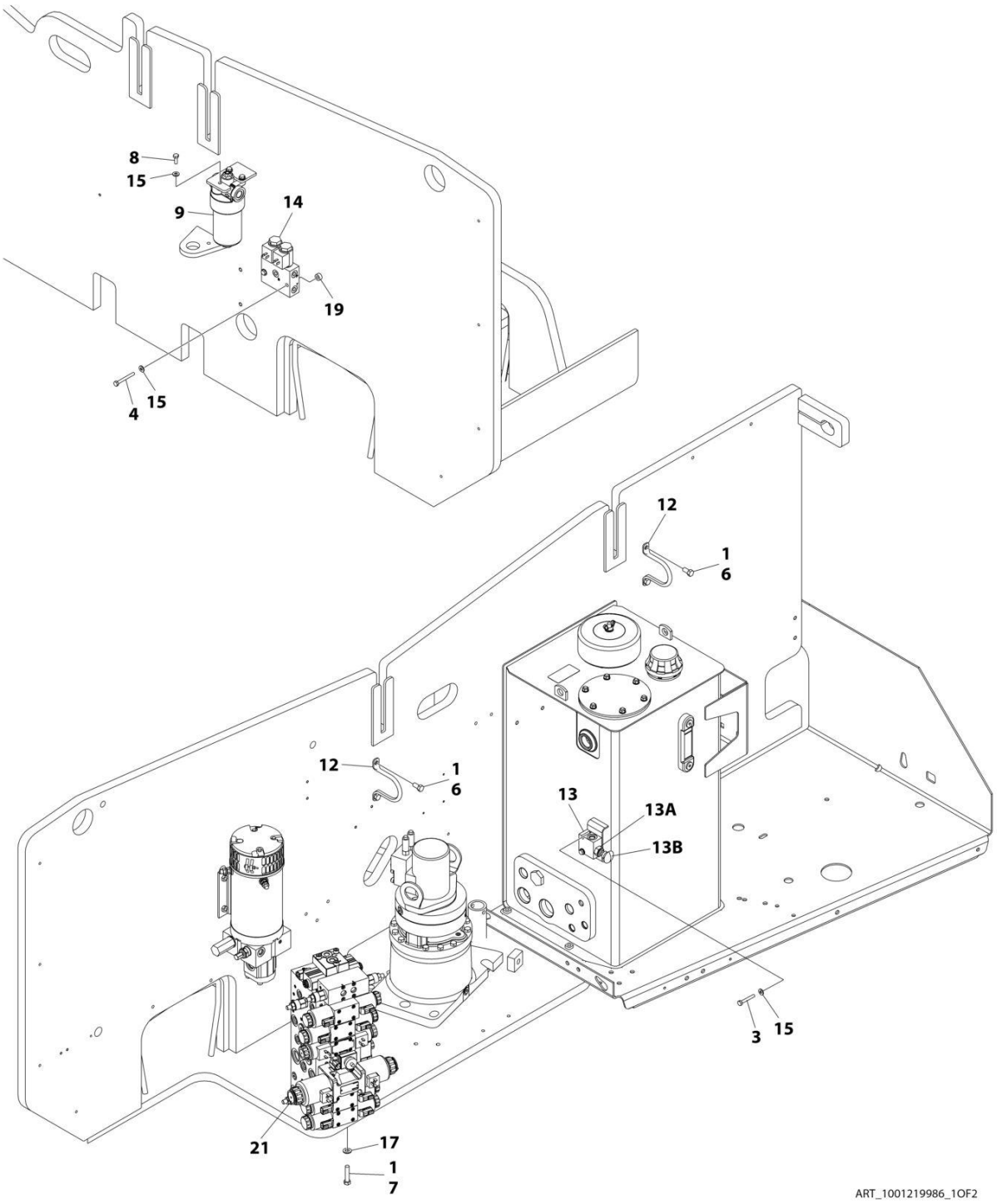


FIGURE 2-2. CONTROL VALVES INSTALLATION - WITH 4WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219986	Ref	VALVES INSTALLATION	B
1	0100011	AR	Compound, Locking	
3	0641414	2	Bolt 1/4 x 1-3/4	
4	0641418	4	Bolt 1/4 x 2-1/4	
6	0641606	4	Bolt 3/8 x 3/4	
7	0641614	3	Bolt 3/8 x 1-3/4	
8	0651406	3	Bolt 1/4 x 3/4	
9	2120209	1	Pressure Filter Assembly	
9	2120210	1	Element, Filter	
12	3841340	2	Loop, Hose	
13	4640866	1	Level Valve Assembly	
13A	7017466	1	Cartridge	
13A	2900708	1	Seal Kit	
13B	7012959	1	Knob	
14	4641317	1	Brake/2 Speed Valve Assembly	
14	7012944	2	Coil	
14	7012941	2	Cartridge without Coil	
14	7010543	2	Seal Kit- 7012941 Cartridge (1 Per Cartridge)	
15	4711400	11	Washer 1/4	
17	4711600	3	Washer 3/8	
19	1001110425	2	Spacer	
21	1001228171	1	Main Valve Assembly (See Separate Breakdown in this Section)	

FIGURE 2-3. CONTROL VALVE ASSEMBLY - 2WS MACHINES

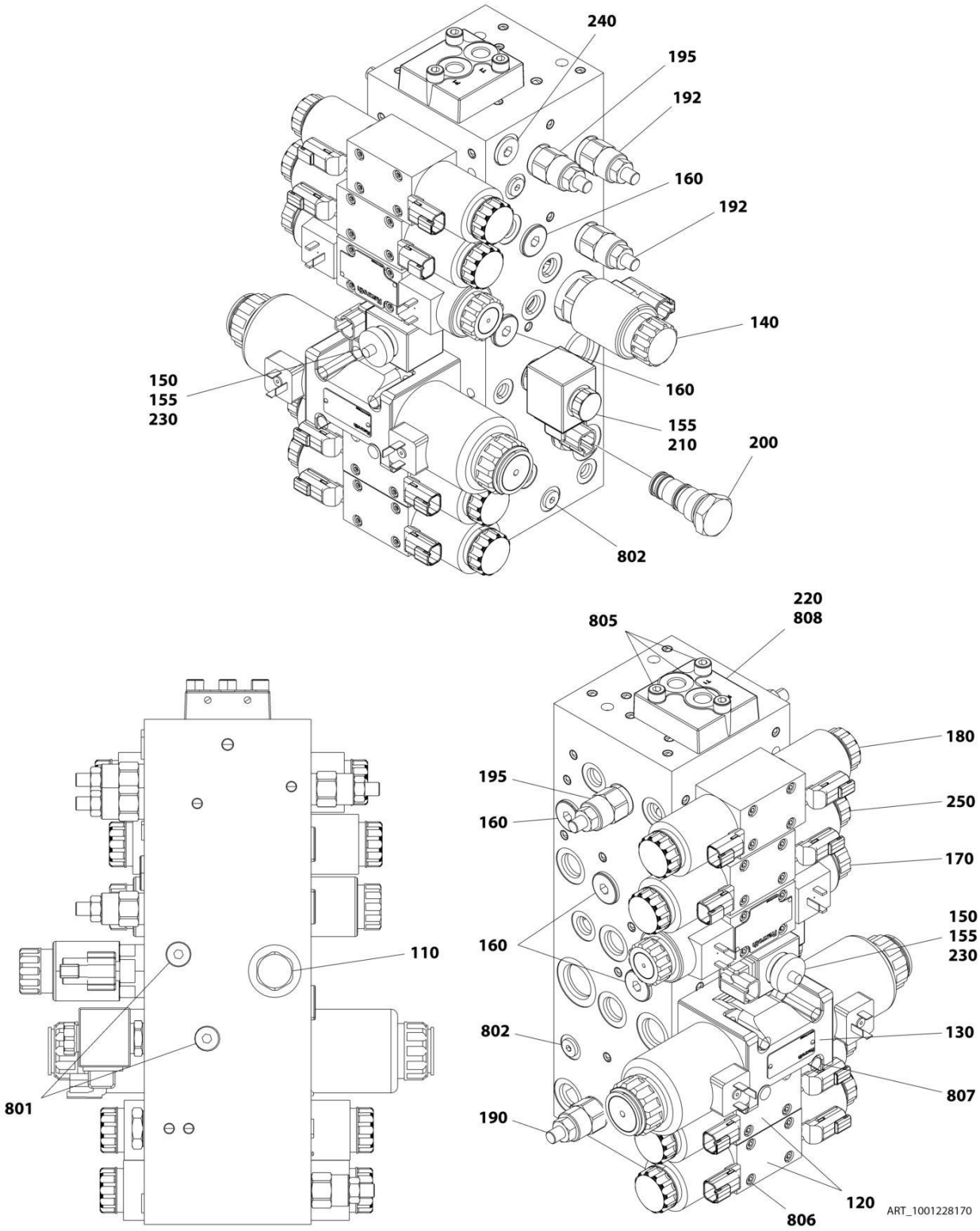


FIGURE 2-3. CONTROL VALVE ASSEMBLY - 2WS MACHINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228170	Ref	MAIN VALVE ASSEMBLY	E
110	70005194	1	Valve, Check Cartridge	
110	70004584	1	Seal Kit - 70005194 Valve	
120	70004459	2	Valve Assembly (Tower Tele and Tower Lift)	
120	7012773	2	Seal Kit - 70004459 Valve	
120	70004460	4	Coil	
120	7021375	4	Nut, Coil	
120	70004461	4	O-Ring, Pole Tube	
130	70006955	1	Valve Assembly (Upper Tele)	
130	70006957	1	Seal Kit - 70006955 Valve	
130	70006956	2	Coil	
140	70004657	1	Valve, Cartridge (Flow Control)	
140	70004594	1	Seal Kit - 70004657 Valve	
140	70004595	1	Coil	
140	70004596	1	O-Ring, Pole Tube	
140	70004597	1	Nut, Coil	
150	70004598	1	Valve, Cartridge Less Coil (Steer Dump)	
150	70004055	1	Seal Kit - 70004598 Valve	
155	70004653	2	Coil	
155	70004051	2	Nut, Coil	
160	70023859	5	Valve, Shuffle Cartridge	
160	70023860	5	Seal Kit - 70023859 Valve	
170	7018992	1	Valve Assembly (Upper Lift)	
170	7024021	1	Seal Kit - 7018992 Valve	
170	7018991	2	Coil	
170	7021375	2	Nut, Coil	
170	70004461	2	O-Ring, Pole Tube	
180	70005195	1	Valve Assembly (Front Steer)	
180	7012773	1	Seal Kit - 70005195 Valve	
180	70004463	2	Coil	
180	7021375	2	Nut, Coil	
180	70004461	2	O-Ring, Pole Tube	
190	70003019	1	Valve, Relief Catridge (was PN 70006959)	
190	See Note	NSS	Seal Kit - Valve (Note: Not Available for Purchase)	
192	70003019	1	Valve, Relief Catridge (was PN 70006960)	
192	See Note	NSS	Seal Kit - Valve (Note: Not Available for Purchase)	
195	70003019	1	Valve, Relief Catridge (was PN 70006958)	
195	See Note	NSS	Seal Kit - Valve (Note: Not Available for Purchase)	
200	70004665	1	Valve, Check - Catridge	
200	70023862	1	Seal Kit - 70004665 Valve	
210	70004457	1	Valve, Cartridge Less Coil (Main Dump)	
210	70004050	1	Seal Kit - 70004665 Valve	
210	70004653	1	Coil	
220	70004667	1	Cover	
230	70005196	1	Orifice .118	
240	70005197	1	Plug (2WS)	
240	70004052	1	Seal Kit - 70005197 Plug	
250	70005198	1	Valve Assembly (Swing)	
250	70006961	1	Seal Kit - 70005198 Valve	
250	70004463	2	Coil	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
250	7021375	2	Nut, Coil	
250	70004461	2	O-Ring, Pole Tube	
801	70005199	2	Plug	
802	70005200	4	Plug	
805	70005201	3	Capscrew	
806	7018942	20	Capscrew	
807	7018951	4	Capscrew	
808	70005202	2	O-Ring	

FIGURE 2-4. CONTROL VALVE ASSEMBLY - 4WS MACHINES

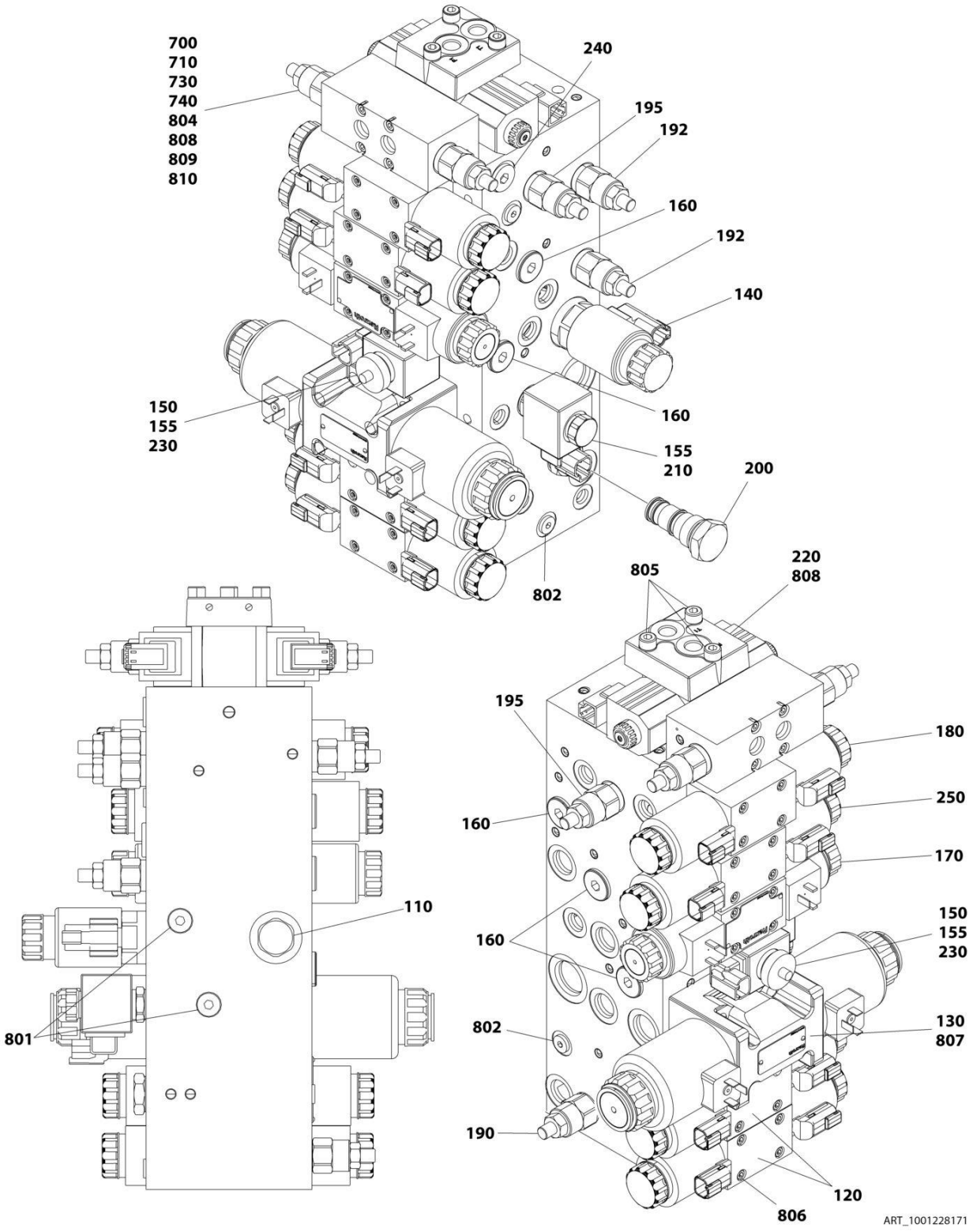


FIGURE 2-4. CONTROL VALVE ASSEMBLY - 4WS MACHINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228171	Ref	MAIN VALVE ASSEMBLY	E
110	70005194	1	Valve, Check Cartridge	
110	70004584	1	Seal Kit - 70005194 Valve	
120	70004459	2	Valve Assembly (Tower Tele and Tower Lift)	
120	7012773	2	Seal Kit - 70004459 Valve	
120	70004460	4	Coil	
120	7021375	4	Nut, Coil	
120	70004461	4	O-Ring, Pole Tube	
130	70006955	1	Valve Assembly (Upper Tele)	
130	70006957	1	Seal Kit - 70006955 Valve	
130	70006956	2	Coil	
140	70004657	1	Valve, Cartridge (Flow Control)	
140	70004594	1	Seal Kit - 70004657 Valve	
140	70004595	1	Coil	
140	70004596	1	O-Ring, Pole Tube	
140	70004597	1	Nut, Coil	
150	70004598	1	Valve, Cartridge Less Coil (Steer Dump)	
150	70004055	1	Seal Kit - 70004598 Valve	
155	70004653	2	Coil	
155	70004051	2	Nut, Coil	
160	70023859	5	Valve, Shuffle Cartridge	
160	70023860	5	Seal Kit - 70023859 Valve	
170	7018992	1	Valve Assembly (Upper Lift)	
170	7024021	1	Seal Kit - 7018992 Valve	
170	7018991	2	Coil	
170	7021375	2	Nut, Coil	
170	70004461	2	O-Ring, Pole Tube	
180	70005195	1	Valve Assembly (Front Steer)	
180	7012773	1	Seal Kit - 70005195 Valve	
180	70004463	2	Coil	
180	7021375	2	Nut, Coil	
180	70004461	2	O-Ring, Pole Tube	
190	70006959	1	Valve, Relief Cartridge	
190	See Note	NSS	Seal Kit - 70006959 Valve (Note: Not Available for Purchase)	
192	70006960	2	Valve, Relief Cartridge	
192	See Note	NSS	Seal Kit - 70006960 Valve (Note: Not Available for Purchase)	
195	70006962	2	Valve, Relief Cartridge	
195	See Note	NSS	Seal Kit - 70006958 Valve (Note: Not Available for Purchase)	
200	70004665	1	Valve, Check - Cartridge	
200	70023862	1	Seal Kit - 70004665 Valve	
210	70004457	1	Valve, Cartridge Less Coil (Main Dump)	
210	70004050	1	Seal Kit - 70004665 Valve	
210	70004653	1	Coil	
220	70004667	1	Cover	
230	70005196	1	Orifice .118	
240	70004670	1	Blocking Plug	
250	70005198	1	Valve Assembly (Swing)	
250	70006961	1	Seal Kit - 70005198 Valve	
250	70004463	2	Coil	
250	7021375	2	Nut, Coil	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
250	70004461	2	O-Ring, Pole Tube	
700	70004671	1	Valve Assembly (Rear Steer)	
710	70004673	2	Coil	
730	70006963	2	Valve, Relief Cartridge	
740	70005232	4	Capscrew	
801	70005199	2	Plug	
802	70005200	4	Plug	
805	70005201	3	Capscrew	
806	7018942	20	Capscrew	
807	7018951	4	Capscrew	
808	70005202	2	O-Ring	
809	91474405	2	O-Ring	
810	70021202	1	Bolt Kit	

FIGURE 2-5. SWING DRIVE INSTALLATION

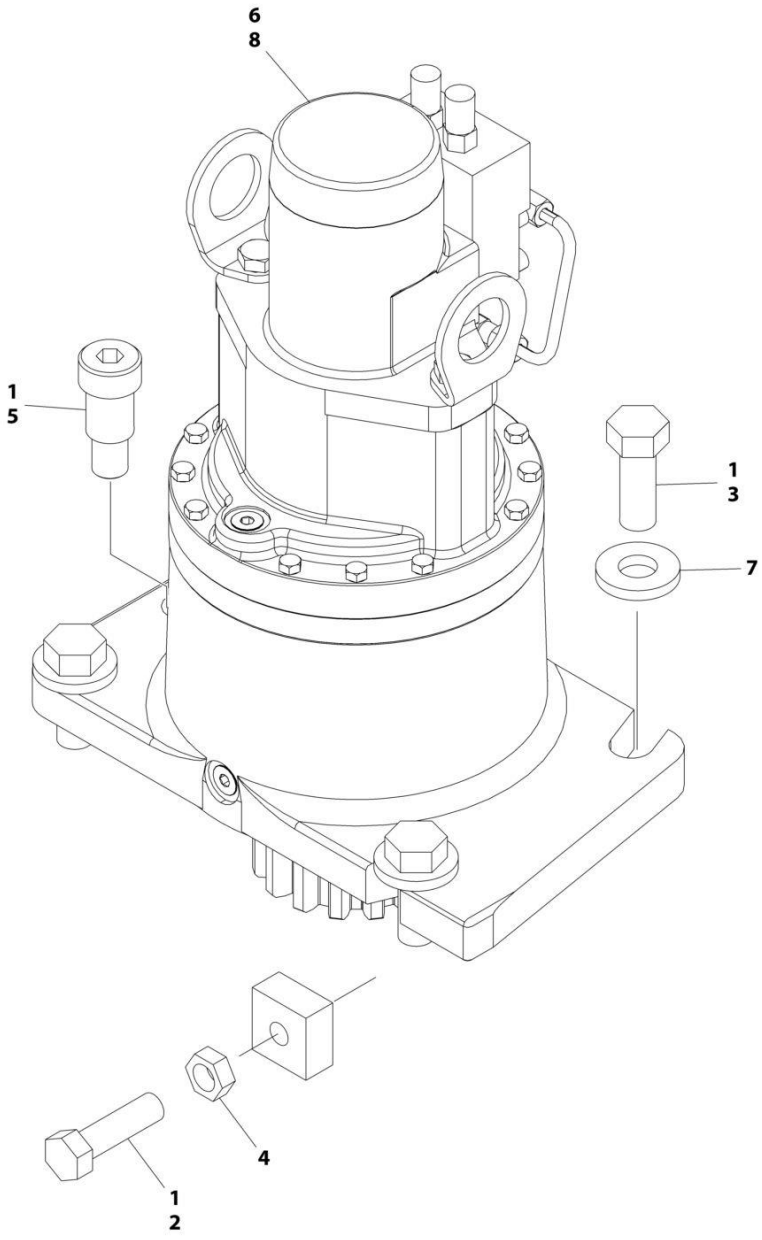
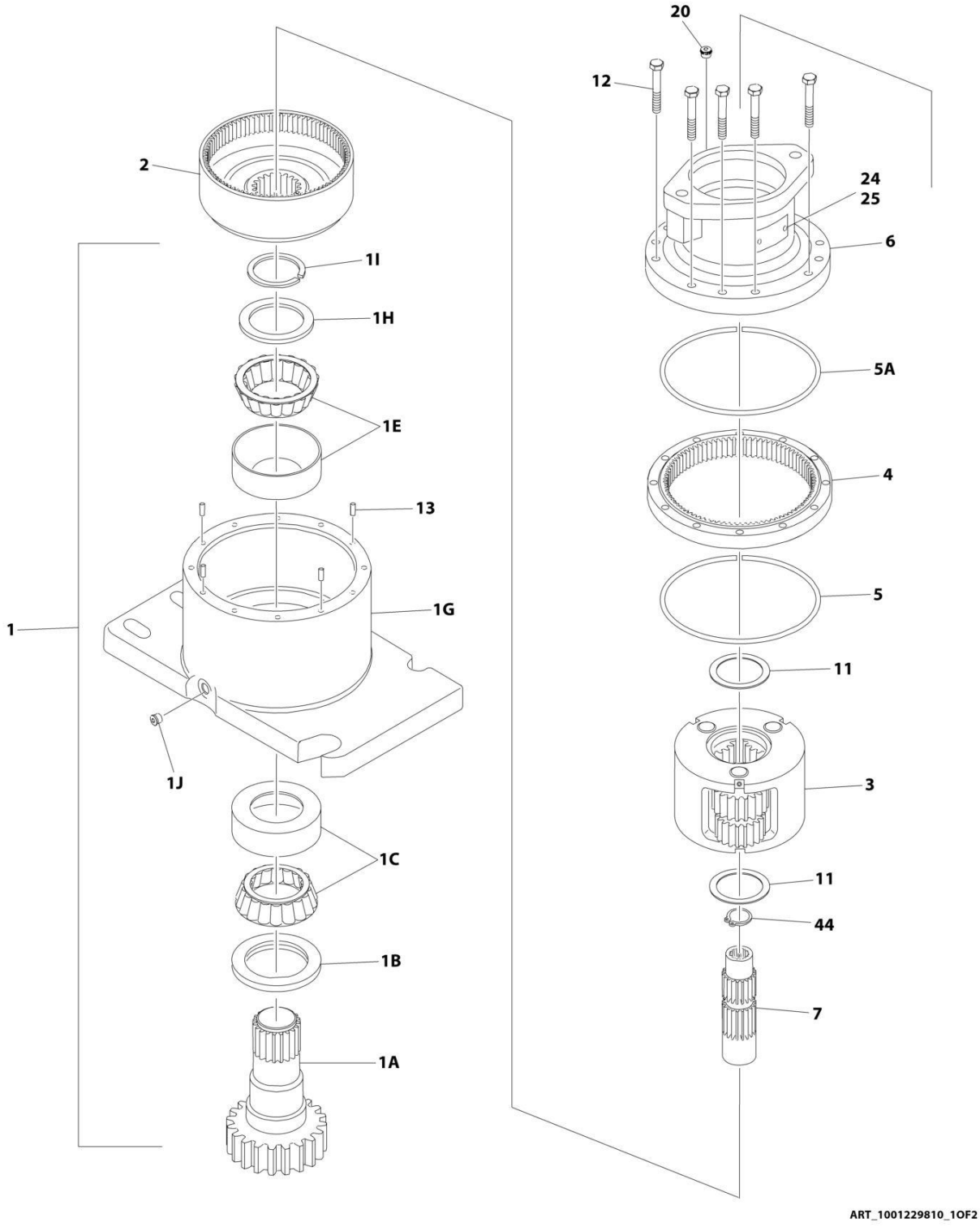


FIGURE 2-5. SWING DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001156136	Ref	SWING DRIVE INSTALLATION	B
1	0100019	AR	Compound, Locking	
2	3952020	1	Setscrew 5/8 x 2-1/2	
3	0682216	4	Bolt 3/4 x 2 Grade 8	
4	3312002	1	Nut 5/8	
5	3900293	1	Screw 1 x 1-1/4	
6	1001125492	1	Shim	
7	4740057	4	Washer	
8	1001229810	1	Swing Motor/Hub Assembly (See Separate Breakdown in this Section)	

FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY



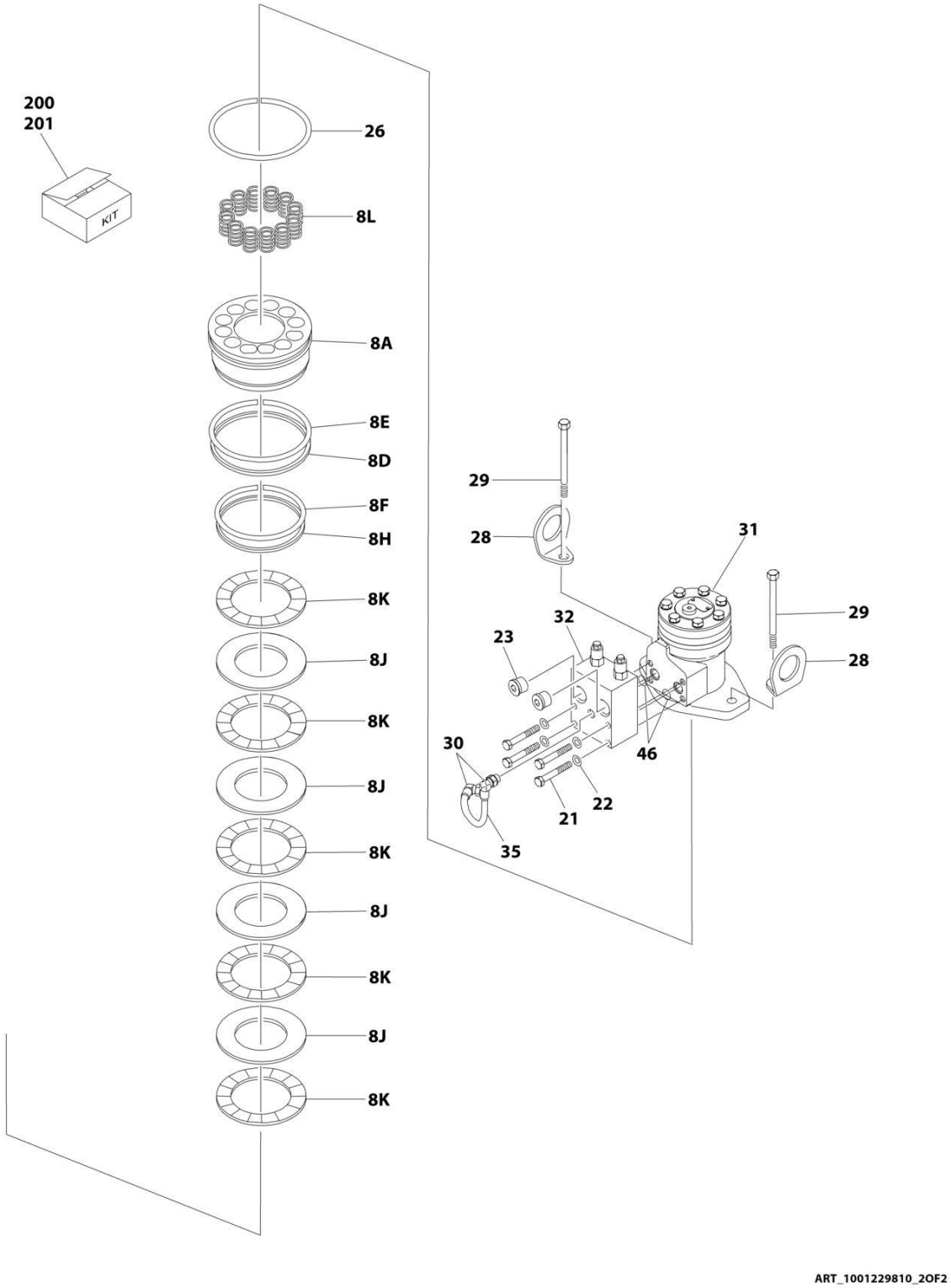

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ART_1001229810_2OF2

FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229810	Ref	SWING MOTOR/HUB ASSEMBLY	C
1	See Note	1	Housing/Shaft Assembly (Note: Not Available - Purchase Individual Components)	
1A	7010492	1	Shaft, Output	
1B	7000228	1	Seal, Lip	
1C	7000255	1	Bearing Kit (Includes Cup and Cone)	
1E	7000257	1	Bearing Kit (Includes Cup and Cone)	
1G	7024762	1	Housing	
1H	7007633	1	Washer, Thrust	
1I	7000229	1	Ring, Retaining	
1J	7017072	1	Plug, Pipe	
2	7000246	1	Gear, Internal	
3	7000247	1	Carrier Assembly	
4	7000248	1	Gear, Ring	
5	7000230	1	O-Ring	
5A	7017070	1	O-Ring	
6	1001229810	NSS	Housing, Brake (Note: Not Available - Purchase Complete Assembly)	
7	70005203	1	Gear, Sun	
8A	70004037	1	Piston	
8D	70004041	1	O-Ring	
8E	70004044	1	Ring, Back-up	
8F	70004042	1	O-Ring	
8H	70004043	1	Ring, Back-up	
8J	70002085	4	Disc, Rotor	
8K	70002085	5	Disc, Stator	
8L	70002066	14	Spring	
11	7000253	2	Washer, Thrust	
12	7000217	12	Bolt 3/8 x 2-1/4 Grade 8	
13	7017080	4	Pin, Dowel	
20	7017072	1	Plug, Pipe	
21	7024704	4	Bolt 5/16 x 2 Grade 8	
22	70004045	4	Washer	
23	7017023	2	Plug, Pipe	
24	See Note	NSS	Plate, ID (Note: Not Available for Purchase)	
25	See Note	NSS	Rivet (Note: Not Available for Purchase)	
26	7024763	1	O-Ring	
28	See Note	NSS	Lug, Lifting (Note: Not Available for Purchase)	
29	70004040	2	Bolt 1/2 x 1 (Grade 8)	
30	7017085	2	Elbow	
31	70006304	1	Motor Assembly	
32	7024784	1	Valve Assembly - Complete (No Serviceable Parts)	
35	70004047	1	Tube	
44	7017028	1	Ring, Internal Retaining	
45	7000213	2	O-Ring	
		Ref	KIT OPTIONS:	
200	7024100	1	Seal Kit - Swing Hub (Includes Items 1B, 1I, 5, 5A & 11)	
201	70002085	1	Disc Kit - Swing Brake (Includes Items 8J & 8K)	

FIGURE 2-7. TURNTABLE BEARING INSTALLATION

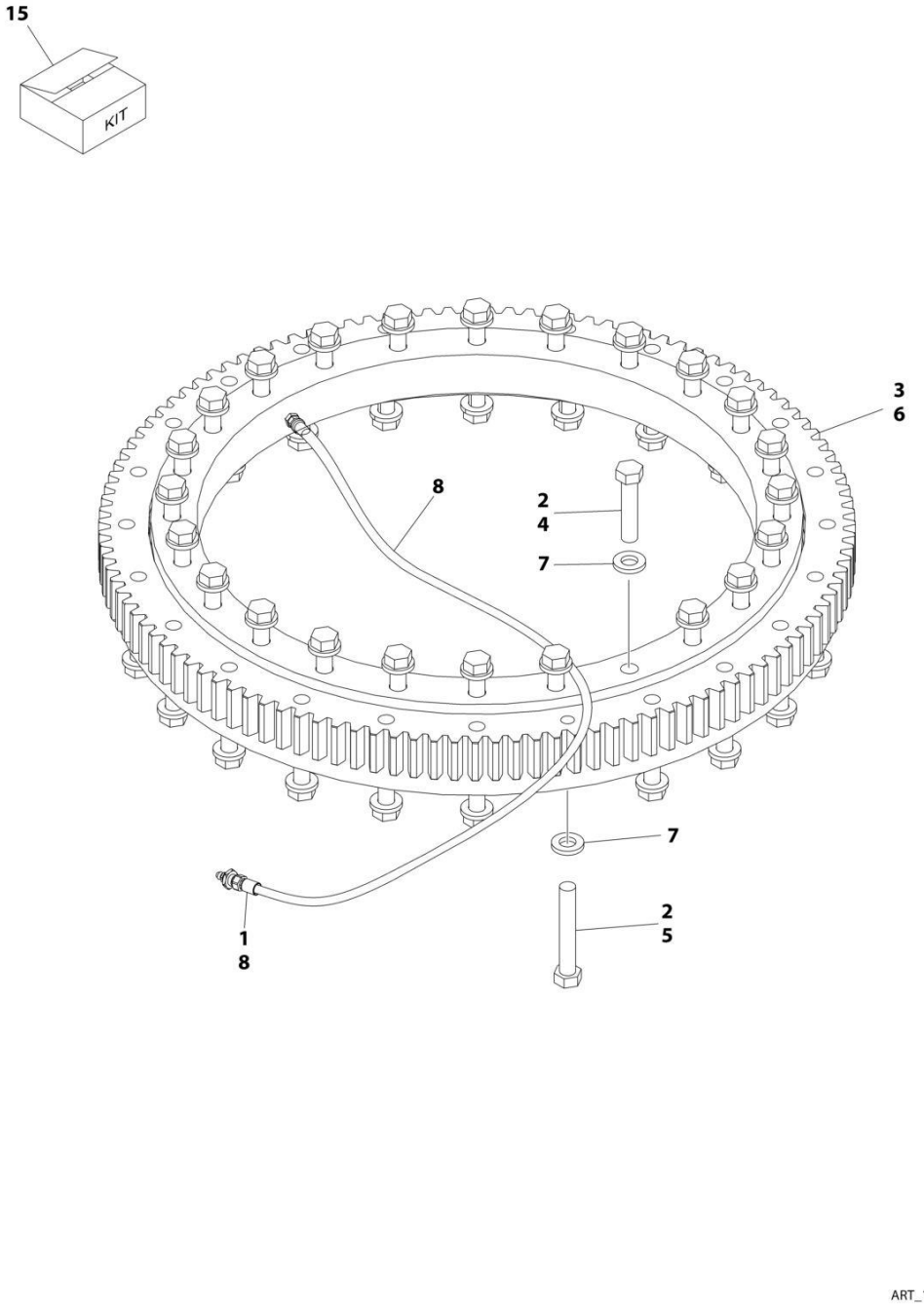


FIGURE 2-7. TURNTABLE BEARING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157049	Ref	TURNTABLE BEARING AND LUBE INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0440244	1	Bearing, Turntable	
4	0682023	24	Bolt 5/8 x 2-7/8 Grade 8	
5	0682032	24	Bolt 5/8 x 4 Grade 8	
6	3020029	AR	Lubricant	
7	4892000	48	Washer 5/8	
8	1001157058	1	Hose	
15	2915094	1	Turntable Bearing Kit	

FIGURE 2-8. TURNTABLE LOCK INSTALLATION

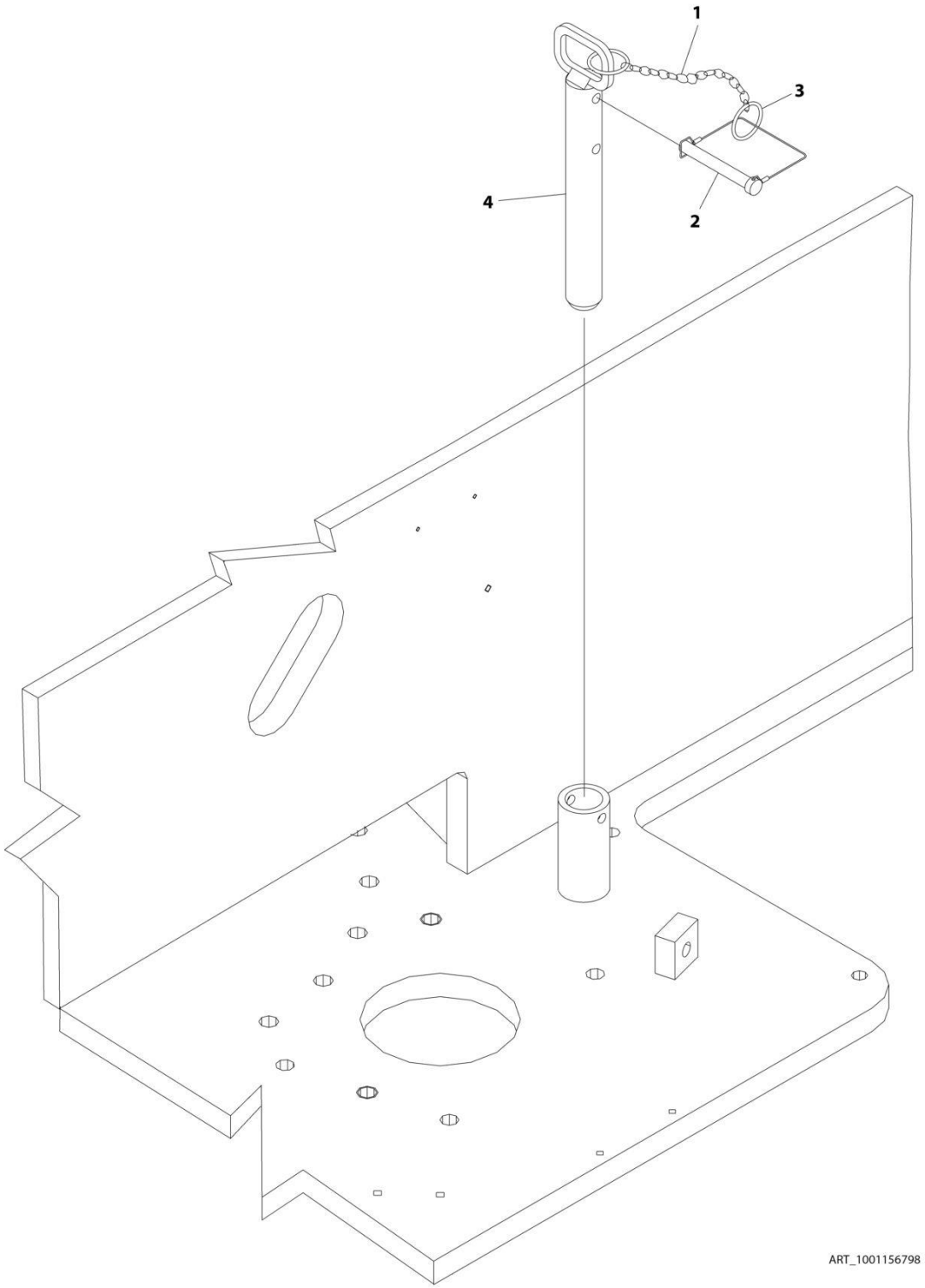


FIGURE 2-8. TURNTABLE LOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001156798	Ref	TURNTABLE LOCK INSTALLATION	A
1	1260017	9 in/23cm	Chain	
2	3421565	1	Pin, Snap	
3	3760170	2	Ring, Quick Release	
4	4844958	1	Pin	

FIGURE 2-9. ROTARY COUPLING INSTALLATION - 2WS MACHINES

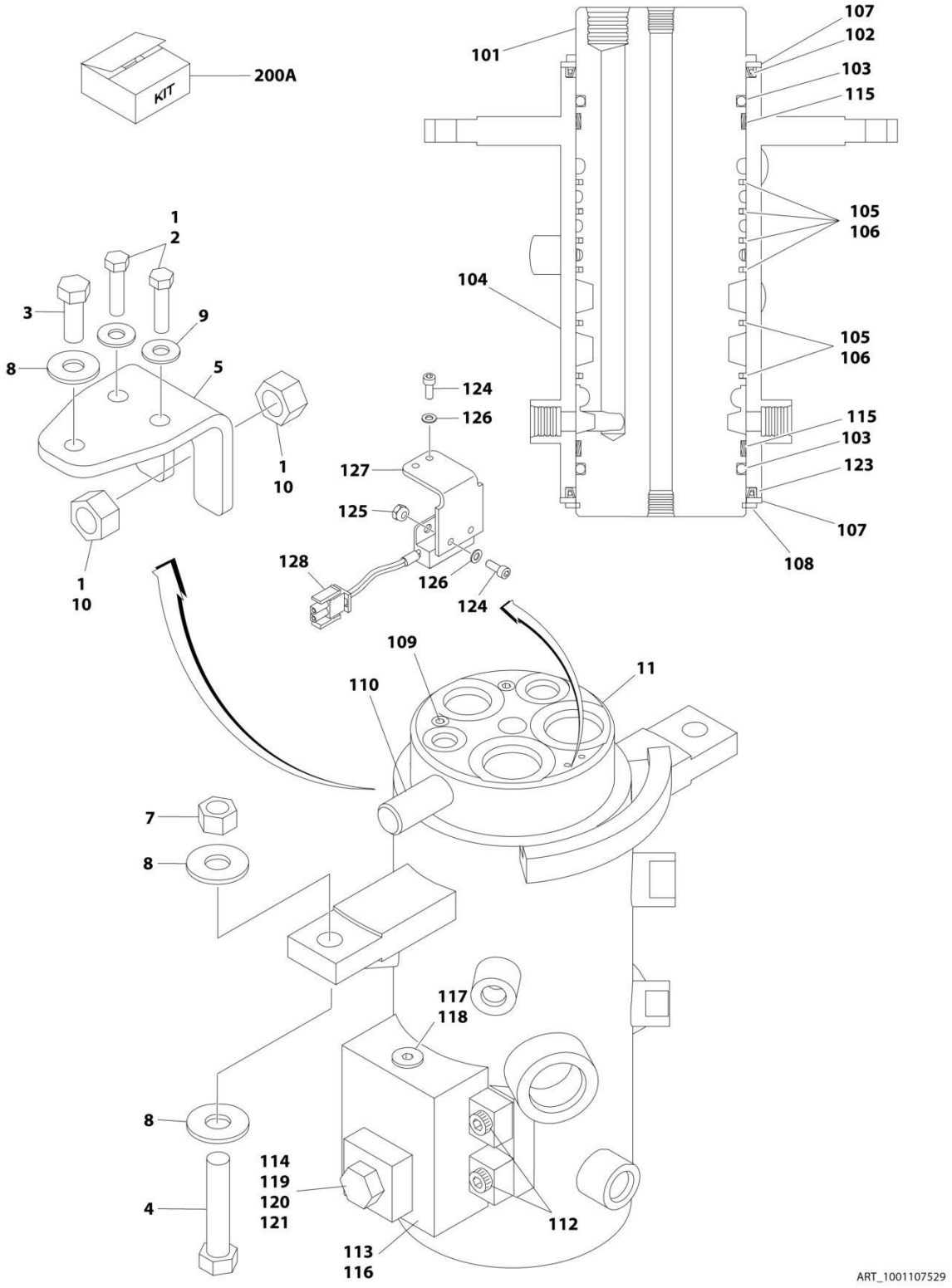


FIGURE 2-9. ROTARY COUPLING INSTALLATION - 2WS MACHINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107529	Ref	ROTARY COUPLING INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641611	2	Bolt 3/8 x 1-3/8	
3	0641812	1	Bolt 1/2 x 1-1/2	
4	0641820	2	Bolt 1/2 x 2-1/2	
5	0903242	1	Bracket	
7	3271805	2	Nut 1/2	
8	4751800	5	Washer 1/2	
9	4891600	2	Washer 3/8	
10	3322201	2	Nut 3/4	
11	1001106974	1	Coupling, Rotary Assembly (See Items 101-128 for Breakdown)	
	1001106974	Ref	ROTARY COUPLING ASSEMBLY	B
101	See Note	NSS	Body (Note: Not Available - Purchase Complete Assembly)	
102	See Note	NSS	Seal (Note: Use Item 200A)	
103	See Note	NSS	O-Ring (Note: Use Item 200A)	
104	See Note	NSS	Housing (Note: Not Available - Purchase Complete Assembly)	
105	See Note	NSS	Seal, Cap (Note: Use Item 200A)	
106	See Note	NSS	O-Ring (Note: Use Item 200A)	
107	7026503	2	Ring	
108	7026504	1	Ring, Retaining	
109	80934561	AR	Plug	
110	See Note	NSS	Lug, Torque (Note: Not Available for Purchase)	
112	7026197	4	Bolt 5/16 x 1-1/4	
113	See Note	NSS	O-Ring (Note: Use Item 200A)	
114	See Note	NSS	O-Ring (Note: Use Item 200A)	
115	See Note	NSS	Bearing (Note: Usr Item 200A)	
116	7024404	1	Block Valve Assembly	
117	7026505	1	Plug	
118	7026506	1	Valve, Check	
119	7026507	1	Plug	
120	See Note	NSS	Plunger, Valve (Note: Use p/n 7024404)	
121	7026509	1	Spring, Compression	
123	See Note	NSS	Seal (Note: Use Item 200A)	
124	See Note	NSS	Capscrew #10 x 1/2 (Note: Not Available for Purchase)	
125	See Note	NSS	Nut #10 (Note: Not Available for Purchase)	
126	See Note	NSS	Flatwasher #10 (Note: Not Available for Purchase)	
127	70003454	1	Bracket, Switch Mounting	
128	4360517	1	Switch, Proximity	
200A	70001248	1	Seal Kit (Includes Items 102, 103, 105, 106, 113, 114, 115 & 123)	

FIGURE 2-10. ROTARY COUPLING INSTALLATION - 4WS MACHINES

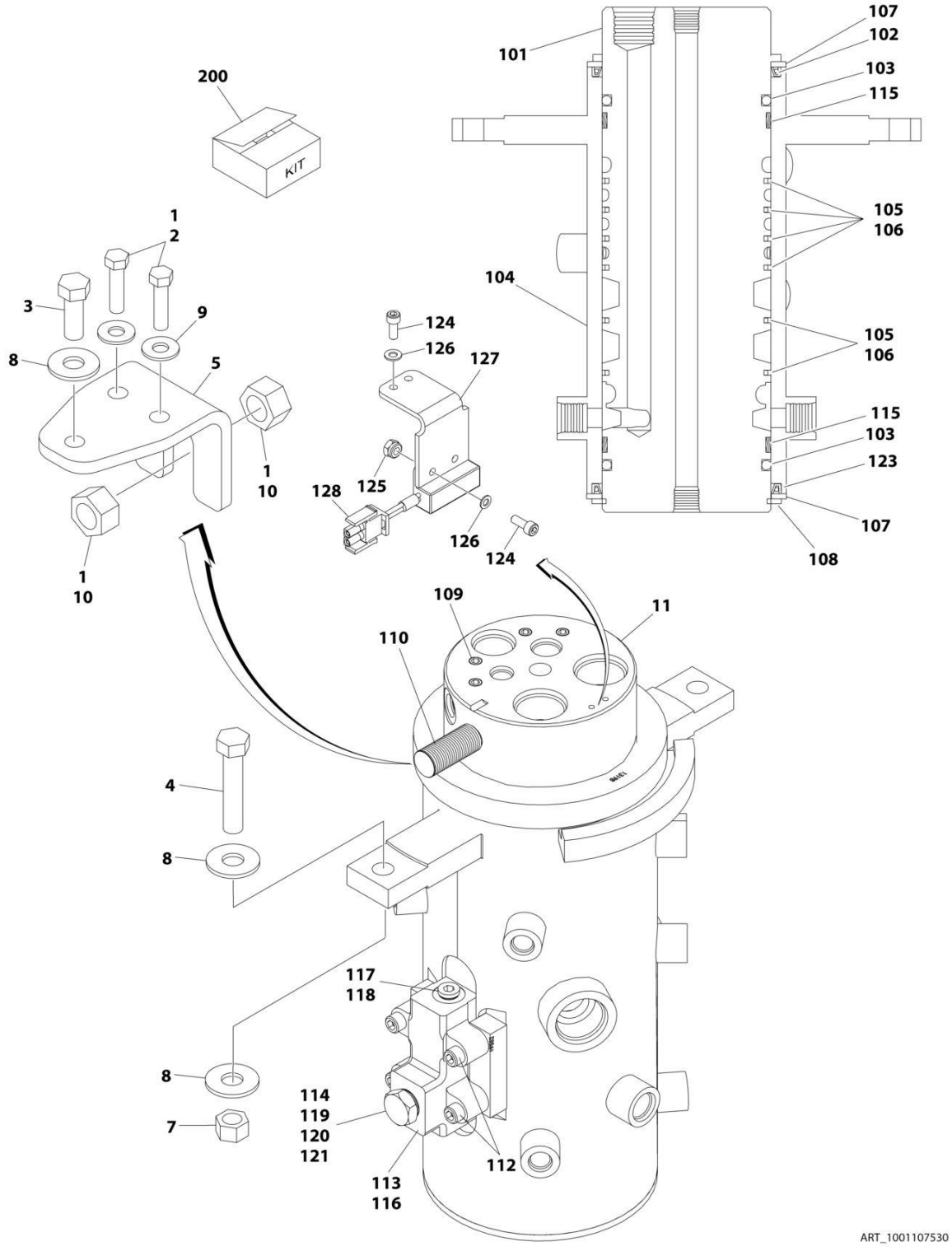


FIGURE 2-10. ROTARY COUPLING INSTALLATION - 4WS MACHINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107530	Ref	ROTARY COUPLING INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641611	2	Bolt 3/8 x 1-3/8	
3	0641812	1	Bolt 1/2 x 1-1/2	
4	0641820	2	Bolt 1/2 x 2-1/2	
5	0903242	1	Bracket	
7	3271805	2	Nut 1/2	
8	4751800	5	Washer 1/2	
9	4891600	2	Washer 3/8	
10	3322201	2	Nut 3/4	
11	1001106975	1	Rotary Coupling Assembly (See Items 101-128 for Breakdown)	
	1001106975	1	ROTARY COUPLING ASSEMBLY	B
101	See Note	NSS	Body (Note: Not Available - Purchase Complete Assembly)	
102	See Note	NSS	Seal (Note: Use Item 200A)	
103	See Note	NSS	O-Ring (Note: Use Item 200A)	
104	See Note	NSS	Housing (Note: Not Available - Purchase Complete Assembly)	
105	See Note	NSS	Seal, Cap (Note: Use Item 200A)	
106	See Note	NSS	O-Ring (Note: Use Item 200A)	
107	7026503	2	Ring	
108	7026504	1	Ring, Retaining	
109	80934561	AR	Plug	
110	See Note	NSS	Lug, Torque (Note: Not Available for Purchase)	
112	7026197	4	Bolt 5/16 x 1-1/4	
113	See Note	NSS	O-Ring (Note: Use Item 200A)	
114	See Note	NSS	O-Ring (Note: Use Item 200A)	
115	See Note	NSS	Bearing (Note: Usr Item 200A)	
116	7024404	1	Block Valve Assembly	
117	7026505	1	Plug	
118	7026506	1	Valve, Check	
119	7026507	1	Plug	
120	See Note	NSS	Plunger, Valve (Note: Use p/n 7024404)	
121	7026509	1	Spring, Compression	
123	See Note	NSS	Seal (Note: Use Item 200A)	
124	See Note	NSS	Capscrew #10 x 1/2 (Note: Not Available for Purchase)	
125	See Note	NSS	Nut #10 (Note: Not Available for Purchase)	
126	See Note	NSS	Flatwasher #10 (Note: Not Available for Purchase)	
127	70003454	1	Bracket, Switch Mounting	
128	4360517	1	Switch, Proximity	
200	70002212	1	Seal Kit (Includes Items 102, 103, 105, 106, 113, 114, 115 & 123)	

FIGURE 2-11. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

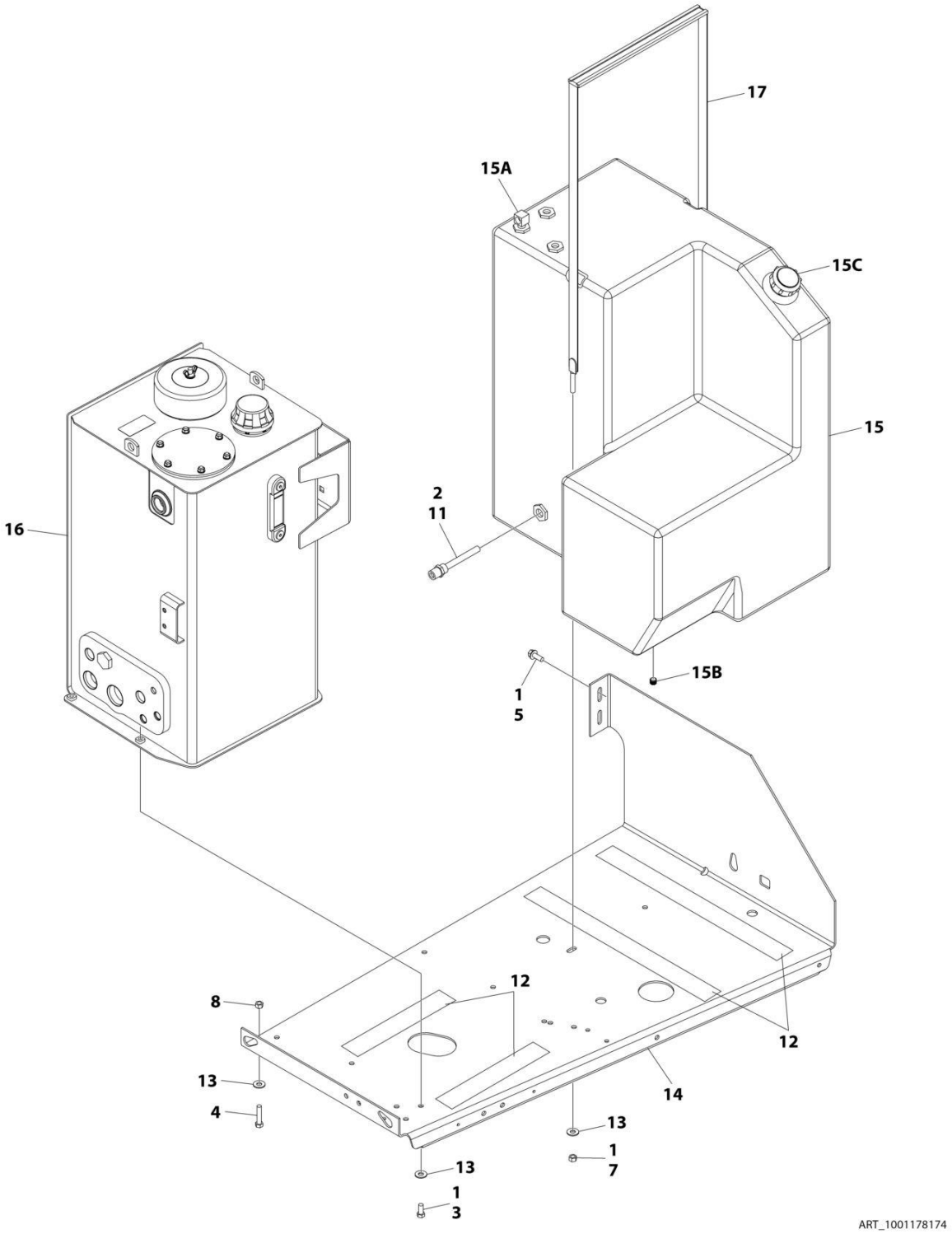


FIGURE 2-11. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178174	Ref	TANK INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	1001182997	AR	Adhesive	
3	0641607	4	Bolt 3/8 x 7/8	
4	0641614	2	Bolt 3/8 x 1-3/4	
5	0811608	2	Bolt 3/8 x 1	
7	3311601	2	Nut 3/8	
8	3311605	2	Nut 3/8	
11	4360436	1	Switch, Fuel Level	
12	4420038	73 in /1.85m	Tape, Rubber	
13	4751600	8	Washer 3/8	
14	1001156190	1	Tray	
15	1001173897	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
15A	70004184	1	Fitting and Pick-up Tube (Diesel Machines)	
15B	2200222	1	Fitting (Diesel Machines Only)	
15B	0100020	AR	Sealant	
15C	7016314	1	Cap	
16	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
17	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
17	4240113	1	Strap, Tank	

FIGURE 2-12. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

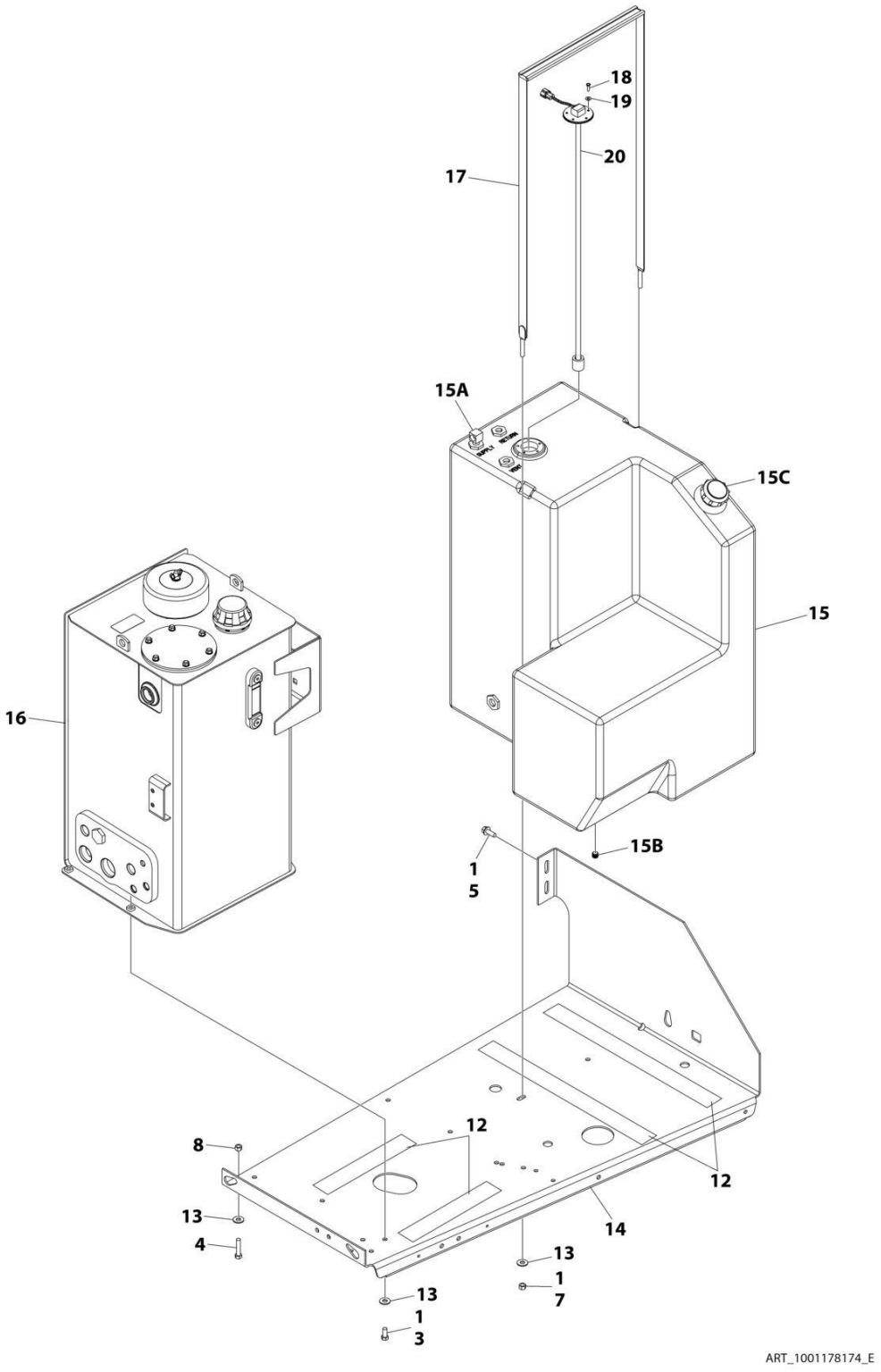


FIGURE 2-12. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178174	Ref	TANK INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	1001182997	AR	Adhesive (Not Shown)	
3	0641607	4	Bolt 3/8 x 7/8	
4	0641614	2	Bolt 3/8 x 1-3/4	
5	0811608	2	Bolt 3/8 x 1	
7	3311601	2	Nut 3/8	
8	3311605	2	Nut 3/8	
12	4420038	73 in /1.85m	Tape, Rubber	
13	4751600	8	Washer 3/8	
14	1001156190	1	Tray	
15	1001284962	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
15A	70004184	1	Fitting and Pick-up Tube (Diesel Machines)	
15B	2200222	1	Fitting (Diesel Machines Only)	
15B	0100020	AR	Sealant	
15C	7016314	1	Cap	
16	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
17	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
17	4240113	1	Strap, Tank	
18	0731005	5	Bolt #10 x 5/8	
19	4751000	5	Washer #10	
20	1001274219	1	Gauge, Fuel	

FIGURE 2-13. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (JIANGYING 4IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

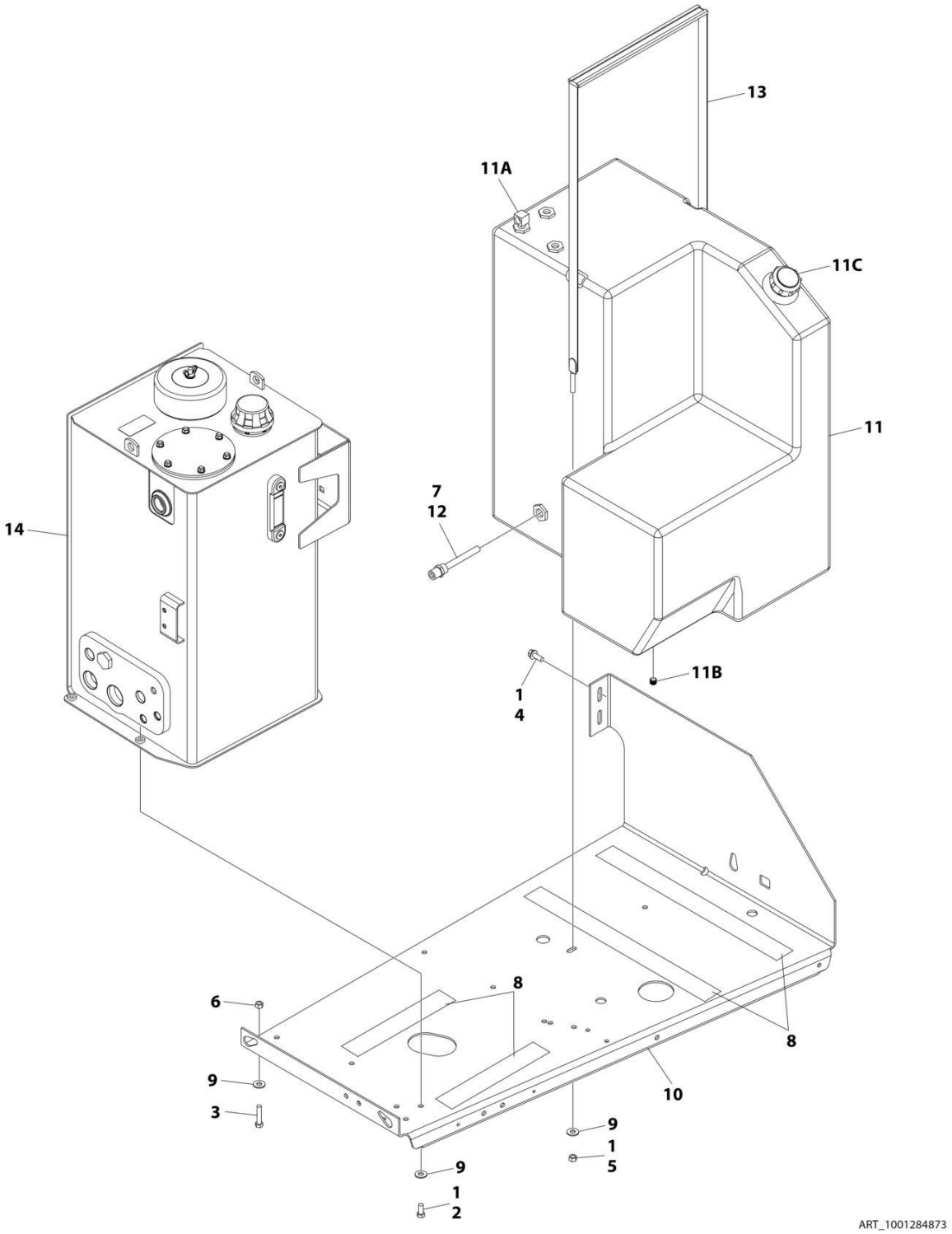


FIGURE 2-13. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (JIANGYING 4IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284873	Ref	TANK INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0811608	2	Bolt 3/8 x 1	
5	3311601	2	Nut 3/8	
6	3311605	2	Nut 3/8	
7	4360436	1	Switch, Fuel Level	
8	4420038	73 in /1.85m	Tape, Rubber	
9	4751600	8	Washer 3/8	
10	1001156190	1	Tray	
11	1001173897	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
11A	70004184	1	Fitting and Pick-up Tube (Diesel Machines)	
11B	2200222	1	Fitting (Diesel Machines Only)	
11B	0100020	AR	Sealant	
11C	7016314	1	Cap	
12	1001182997	AR	Adhesive	
13	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
13	4240113	1	Strap, Tank	
14	1001267678	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-14. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (JIANGYING 4IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

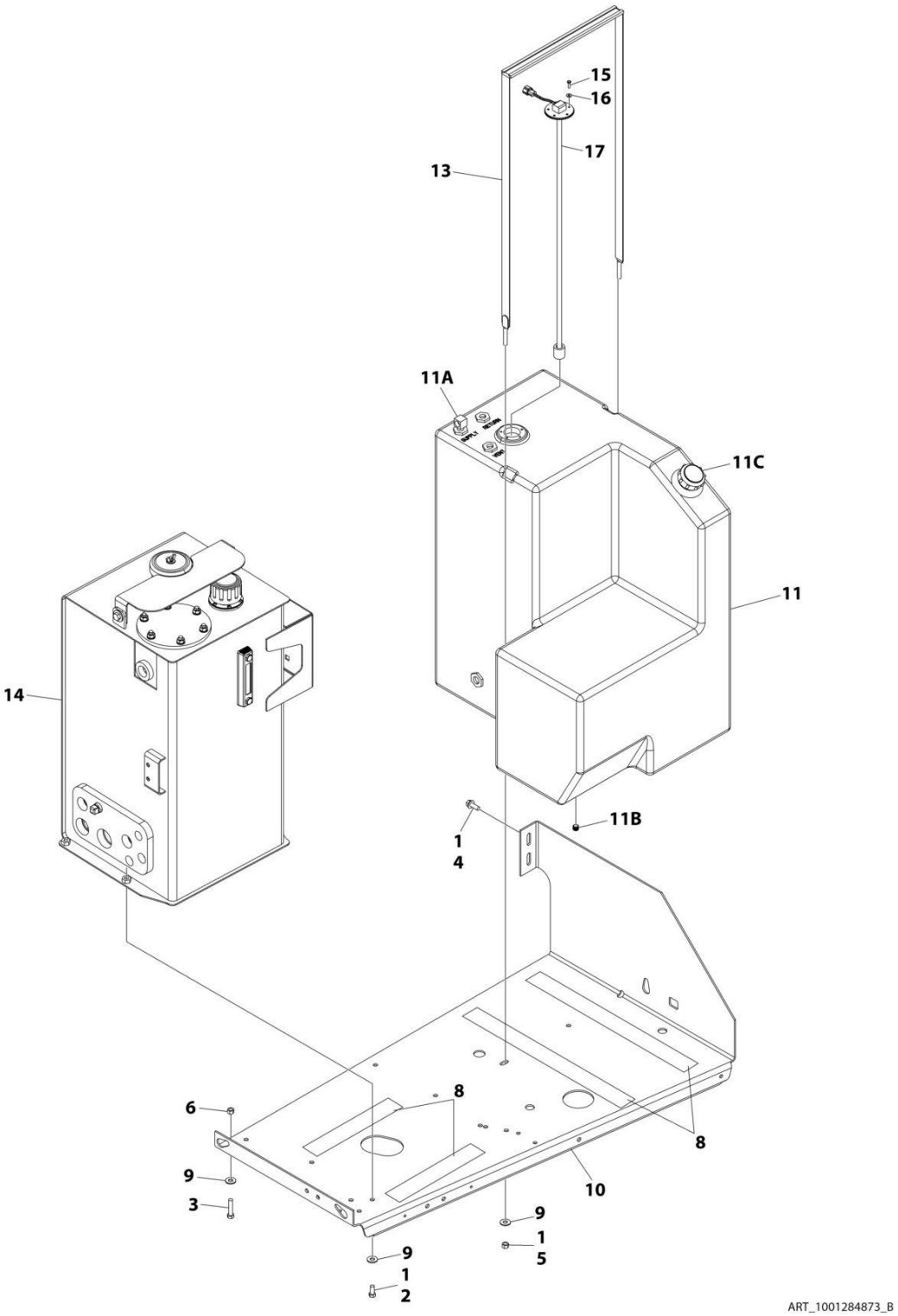


FIGURE 2-14. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (JIANGYING 4IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284873	Ref	TANK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0811608	2	Bolt 3/8 x 1	
5	3311601	2	Nut 3/8	
6	3311605	2	Nut 3/8	
8	4420038	73 in /1.85m	Tape, Rubber	
9	4751600	8	Washer 3/8	
10	1001156190	1	Tray	
11	1001284962	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
11A	70004184	1	Fitting and Pick-up Tube (Diesel Machines)	
11B	2200222	1	Fitting (Diesel Machines Only)	
11B	0100020	AR	Sealant	
11C	7016314	1	Cap	
13	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
13	4240113	1	Strap, Tank	
14	1001267678	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
15	0731005	5	Bolt #10 x 5/8	
16	4751000	5	Washer #10	
17	1001274219	1	Guage, Fuel	

FIGURE 2-15. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (Prior to SN 0300298282)

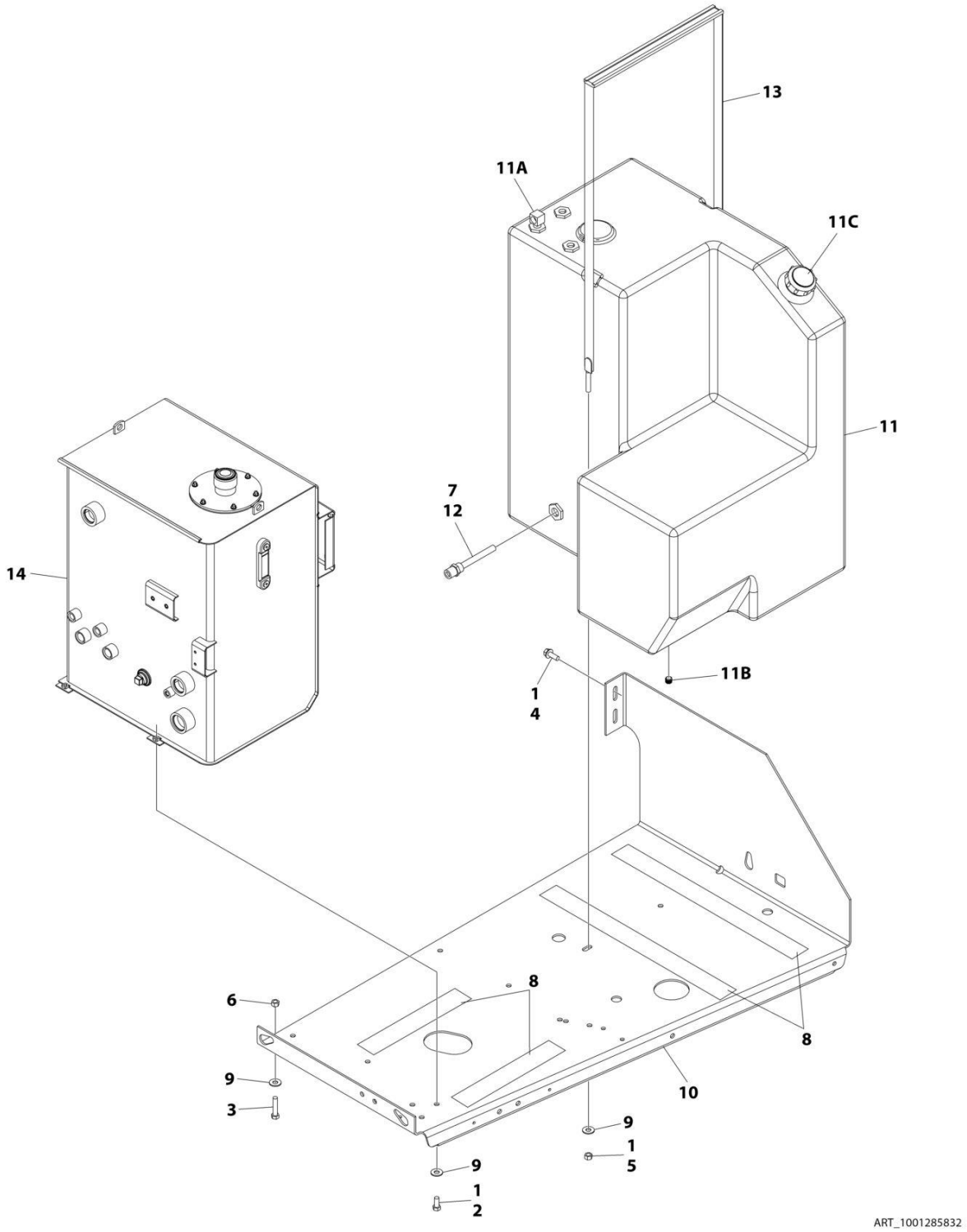


FIGURE 2-15. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285832	Ref	TANK INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0811608	2	Bolt 3/8 x 1	
5	3311601	2	Nut 3/8	
6	3311605	2	Nut 3/8	
7	4360436	1	Switch, Fuel Level	
8	4420038	73 in /1.85m	Tape, Rubber	
9	4751600	8	Washer 3/8	
10	1001156190	1	Tray	
11	1001173897	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
11A	70004184	1	Fitting and Pick-up Tube (Diesel Machines)	
11B	2200222	1	Fitting (Diesel Machines Only)	
11B	0100020	AR	Sealant	
11C	7016314	1	Cap	
12	1001182997	AR	Adhesive	
13	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
13	4240113	1	Strap, Tank	
14	1001285677	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-16. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (SN 0300298282 to Present)

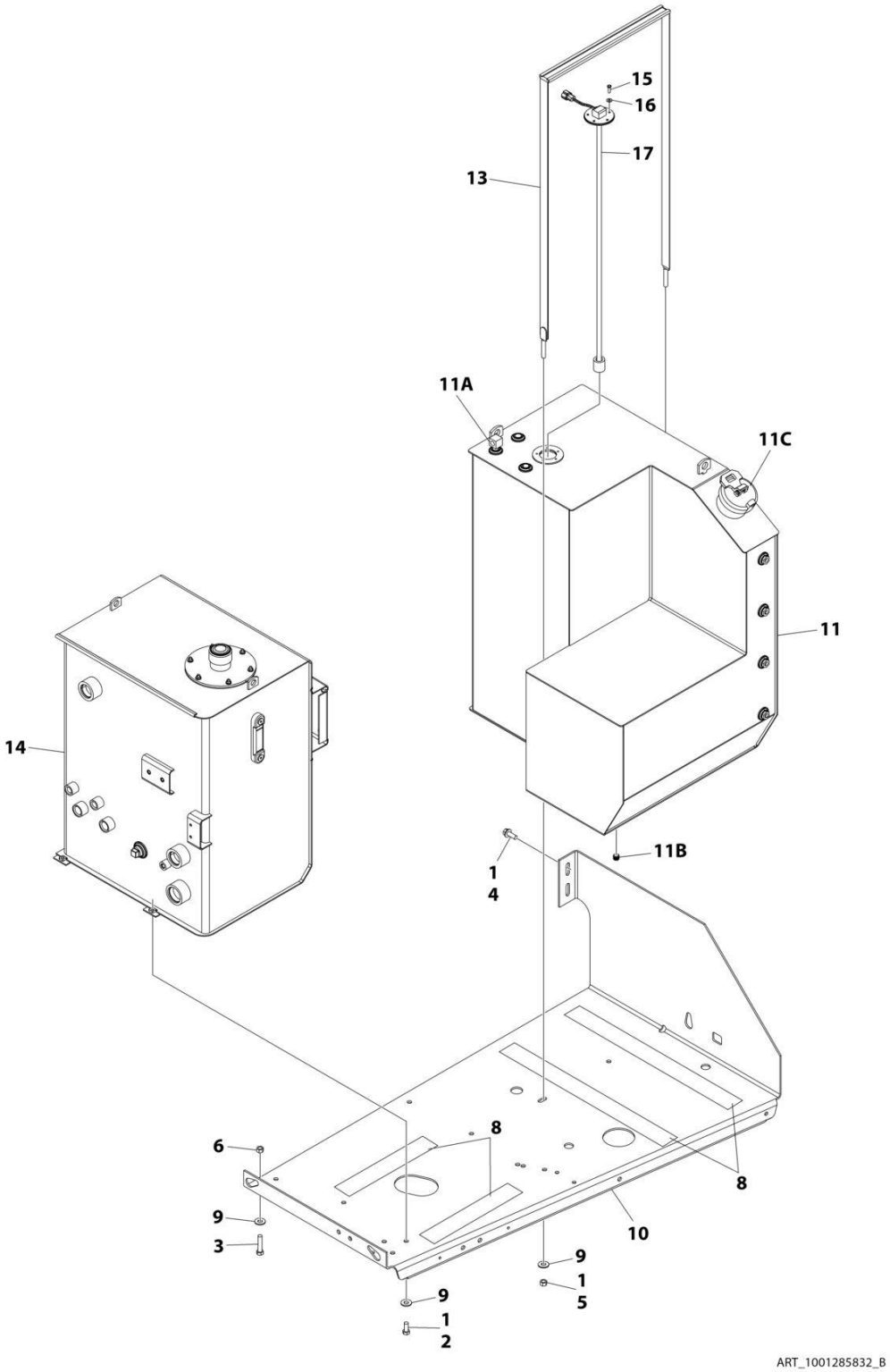


FIGURE 2-16. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITHOUT SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285832	Ref	TANK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0811608	2	Bolt 3/8 x 1	
5	3311601	2	Nut 3/8	
6	3311605	2	Nut 3/8	
8	4420038	73 in /1.85m	Tape, Rubber	
9	4751600	8	Washer 3/8	
10	1001156190	1	Tray	
11	1001284963	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
11A	70004184	1	Fitting and Pick-up Tube (Diesel Machines)	
11B	2200222	1	Fitting (Diesel Machines Only)	
11B	0100020	AR	Sealant	
11C	7016314	1	Cap	
13	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
13	4240113	1	Strap, Tank	
14	1001285677	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
15	0731005	5	Bolt #10 x 5/8	
16	4751000	5	Washer #10	
17	1001274219	1	Gauge, Fuel	

FIGURE 2-17. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (HELGESEN 6IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

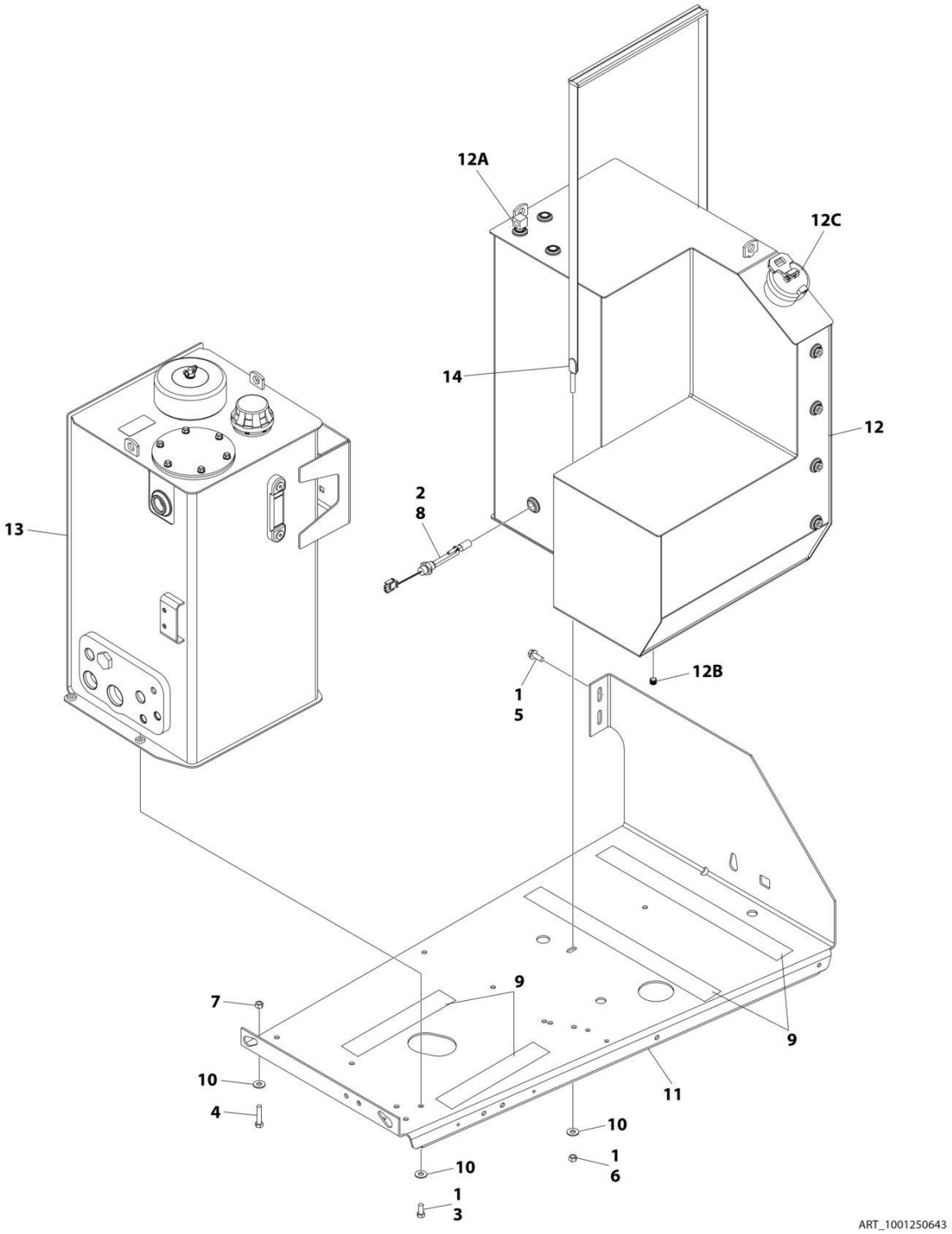


FIGURE 2-17. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (HELGESEN 6IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250643	Ref	TANK INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	1001182997	AR	Adhesive	
3	0641607	4	Bolt 3/8 x 7/8	
4	0641614	2	Bolt 3/8 x 1-3/4	
5	0811608	2	Bolt 3/8 x 1	
6	3311601	2	Nut 3/8	
7	3311605	2	Nut 3/8	
8	4360436	1	Switch, Fuel Level	
9	4420038	73 in /1.85m	Tape, Rubber	
10	4751600	8	Washer 3/8	
11	1001156190	1	Tray	
12	1001179040	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
12A	70007508	1	Fitting and Pick-up Tube (Diesel Machines)	
12B	70002112	1	Fitting (Diesel Machines Only)	
12C	1001080707	1	Cap	
13	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
14	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
14	4240113	1	Strap, Tank	

FIGURE 2-18. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (HELGESEN 6IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

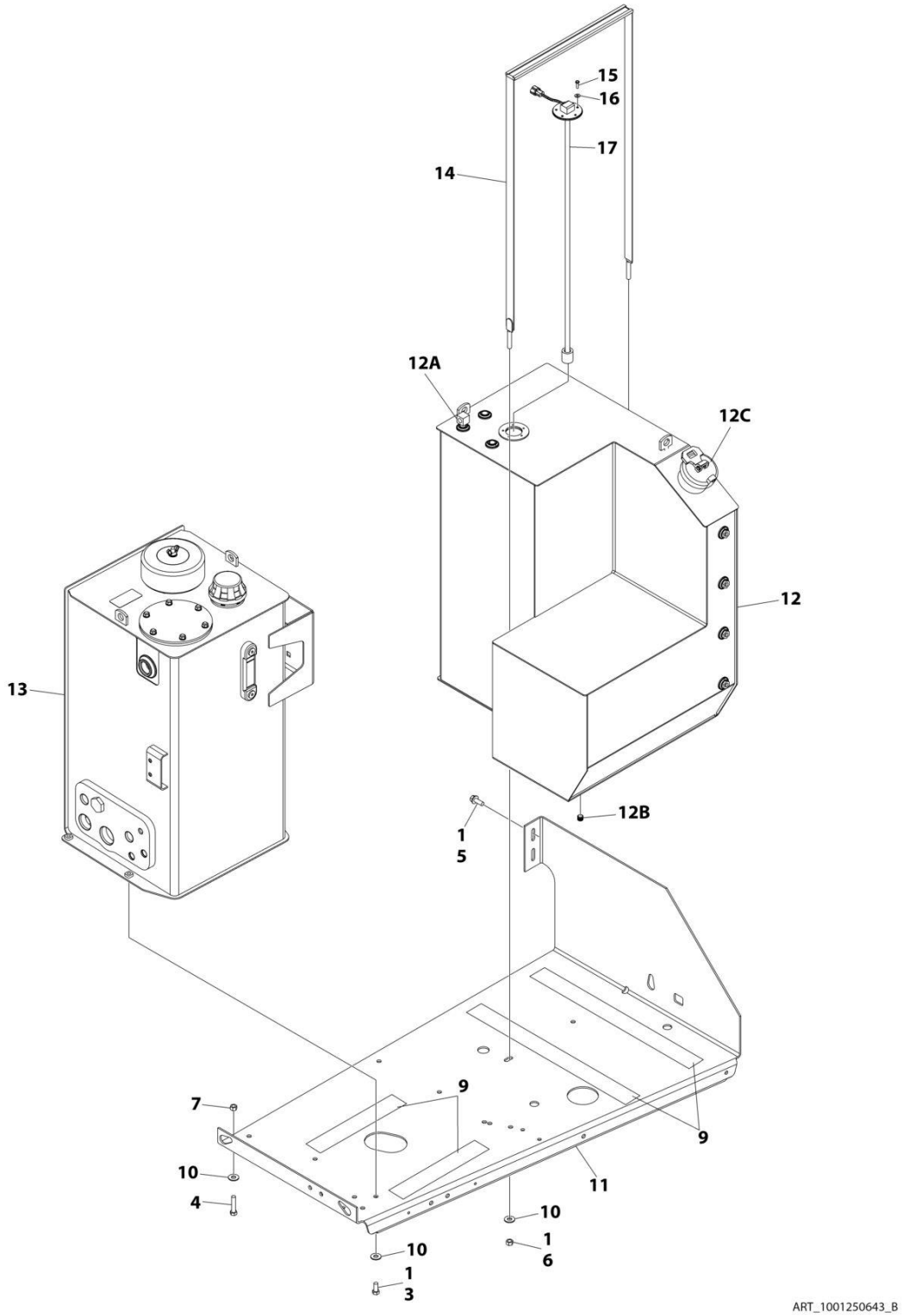


FIGURE 2-18. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (HELGESEN 6IIN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250643	Ref	TANK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	1001182997	AR	Adhesive (Not Shown)	
3	0641607	4	Bolt 3/8 x 7/8	
4	0641614	2	Bolt 3/8 x 1-3/4	
5	0811608	2	Bolt 3/8 x 1	
6	3311601	2	Nut 3/8	
7	3311605	2	Nut 3/8	
9	4420038	73 in /1.85m	Tape, Rubber	
10	4751600	8	Washer 3/8	
11	1001156190	1	Tray	
12	1001284963	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
12A	70007508	1	Fitting and Pick-up Tube (Diesel Machines)	
12B	70002112	1	Fitting (Diesel Machines Only)	
12C	1001080707	1	Cap	
13	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
14	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
14	4240113	1	Strap, Tank	
15	0731005	5	Bolt #10 x 5/8	
16	4751000	5	Washer #10	
17	1001274219	1	Gauge, Fuel	

FIGURE 2-19. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

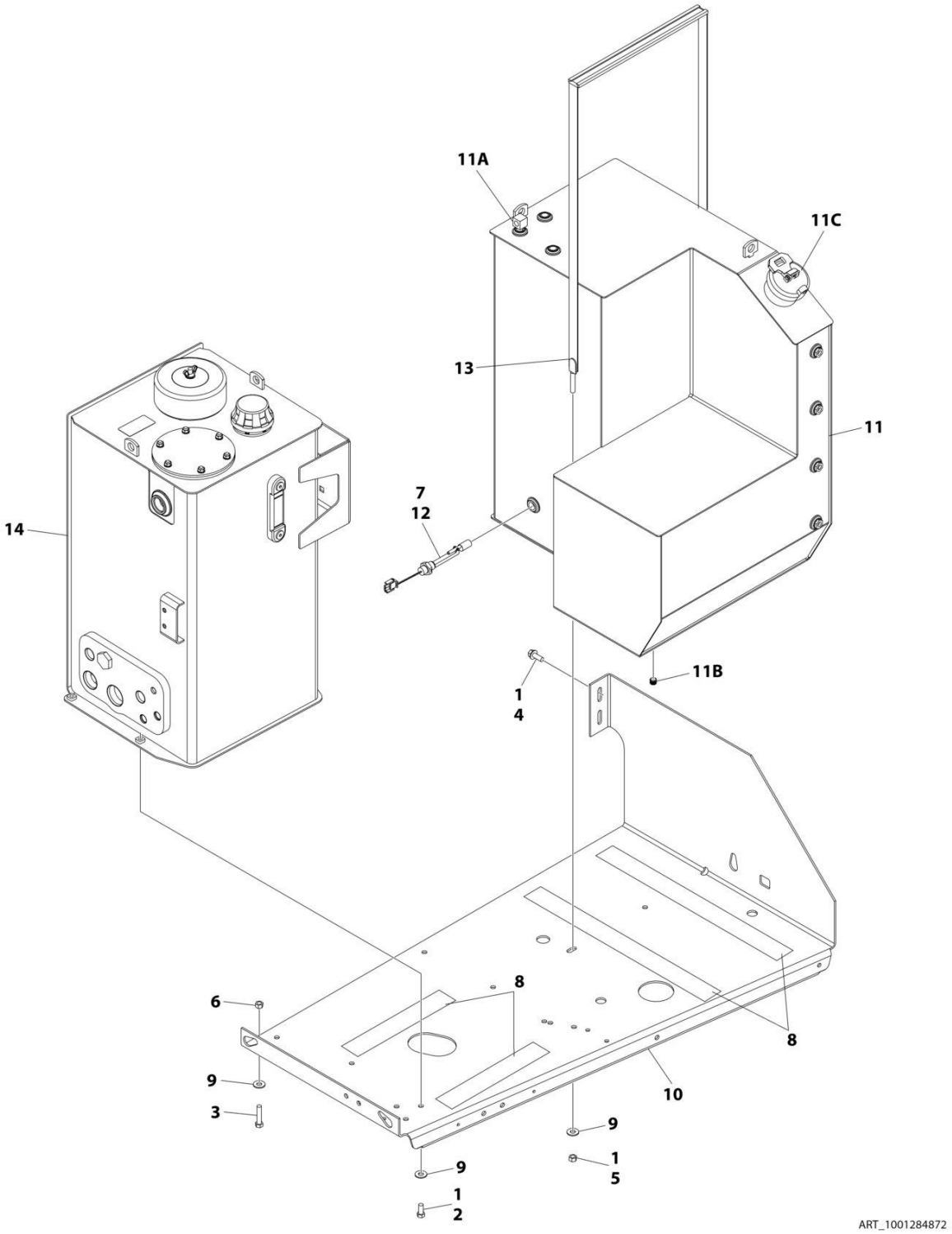


FIGURE 2-19. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284872	Ref	TANK INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0811608	2	Bolt 3/8 x 1	
5	3311601	2	Nut 3/8	
6	3311605	2	Nut 3/8	
7	4360436	1	Switch, Fuel Level	
8	4420038	73 in /1.85m	Tape, Rubber	
9	4751600	8	Washer 3/8	
10	1001156190	1	Tray	
11	1001179040	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
11A	70007508	1	Fitting and Pick-up Tube (Diesel Machines)	
11B	70002112	1	Fitting (Diesel Machines Only)	
11C	1001080707	1	Cap	
12	1001182997	AR	Adhesive	
13	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
13	4240113	1	Strap, Tank	
14	1001267678	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-20. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

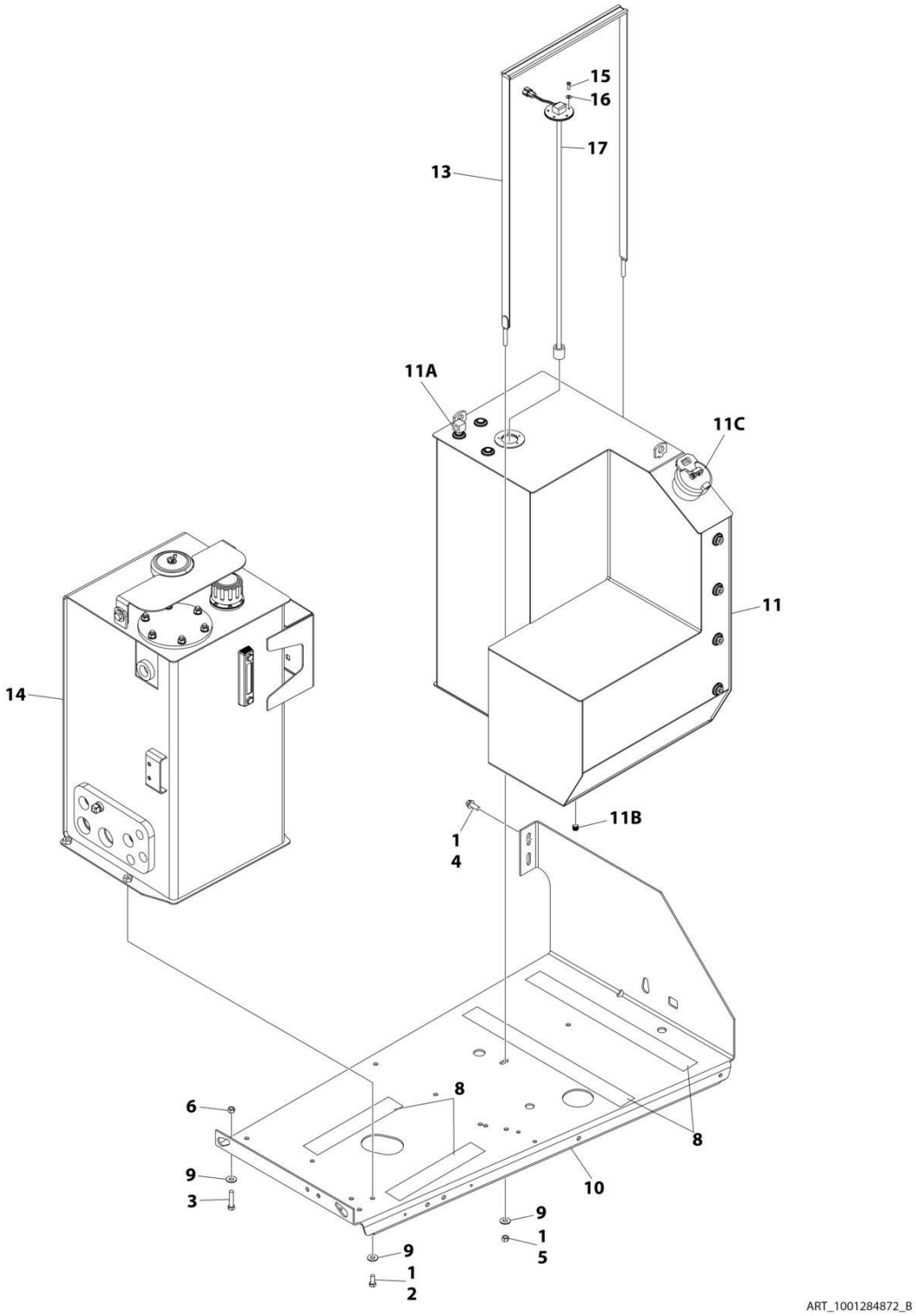


FIGURE 2-20. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284872	Ref	TANK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0811608	2	Bolt 3/8 x 1	
5	3311601	2	Nut 3/8	
6	3311605	2	Nut 3/8	
8	4420038	73 in /1.85m	Tape, Rubber	
9	4751600	8	Washer 3/8	
10	1001156190	1	Tray	
11	1001284963	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
11A	70007508	1	Fitting and Pick-up Tube (Diesel Machines)	
11B	70002112	1	Fitting (Diesel Machines Only)	
11C	1001080707	1	Cap	
13	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
13	4240113	1	Strap, Tank	
14	1001267678	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
15	0731005	5	Bolt #10 x 5/8	
16	4751000	5	Washer #10	
17	1001274219	1	Gauge, Fuel	

FIGURE 2-21. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (Prior to SN 0300298282)

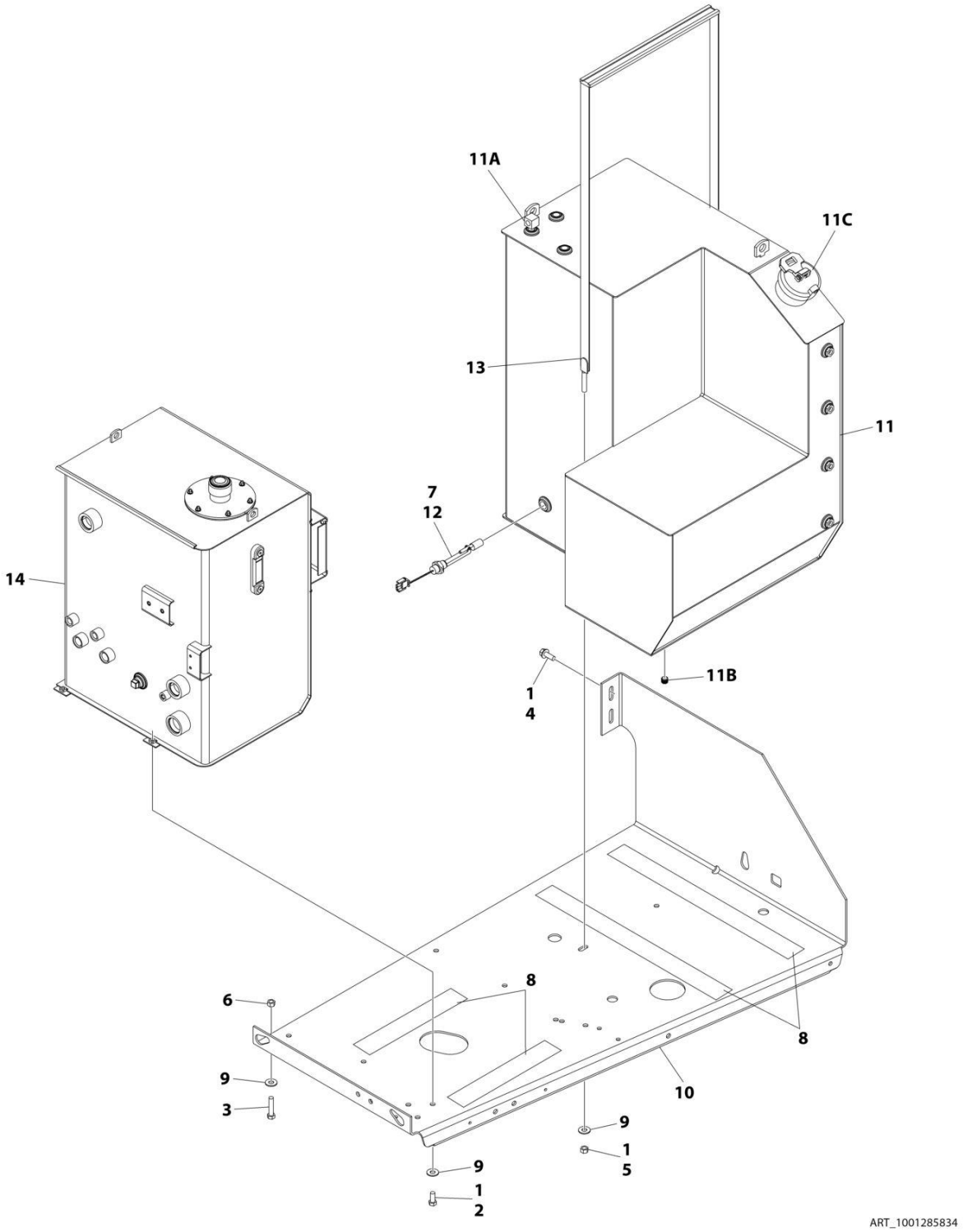


FIGURE 2-21. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285834	Ref	TANK INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0811608	2	Bolt 3/8 x 1	
5	3311601	2	Nut 3/8	
6	3311605	2	Nut 3/8	
7	4360436	1	Switch, Fuel Level	
8	4420038	73 in /1.85m	Tape, Rubber	
9	4751600	8	Washer 3/8	
10	1001156190	1	Tray	
11	1001179040	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
11A	70007508	1	Fitting and Pick-up Tube (Diesel Machines)	
11B	70002112	1	Fitting (Diesel Machines Only)	
11C	1001080707	1	Cap	
12	1001182997	AR	Adhesive	
13	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
13	4240113	1	Strap, Tank	
14	1001285677	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-22. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (SN 0300298282 to Present)

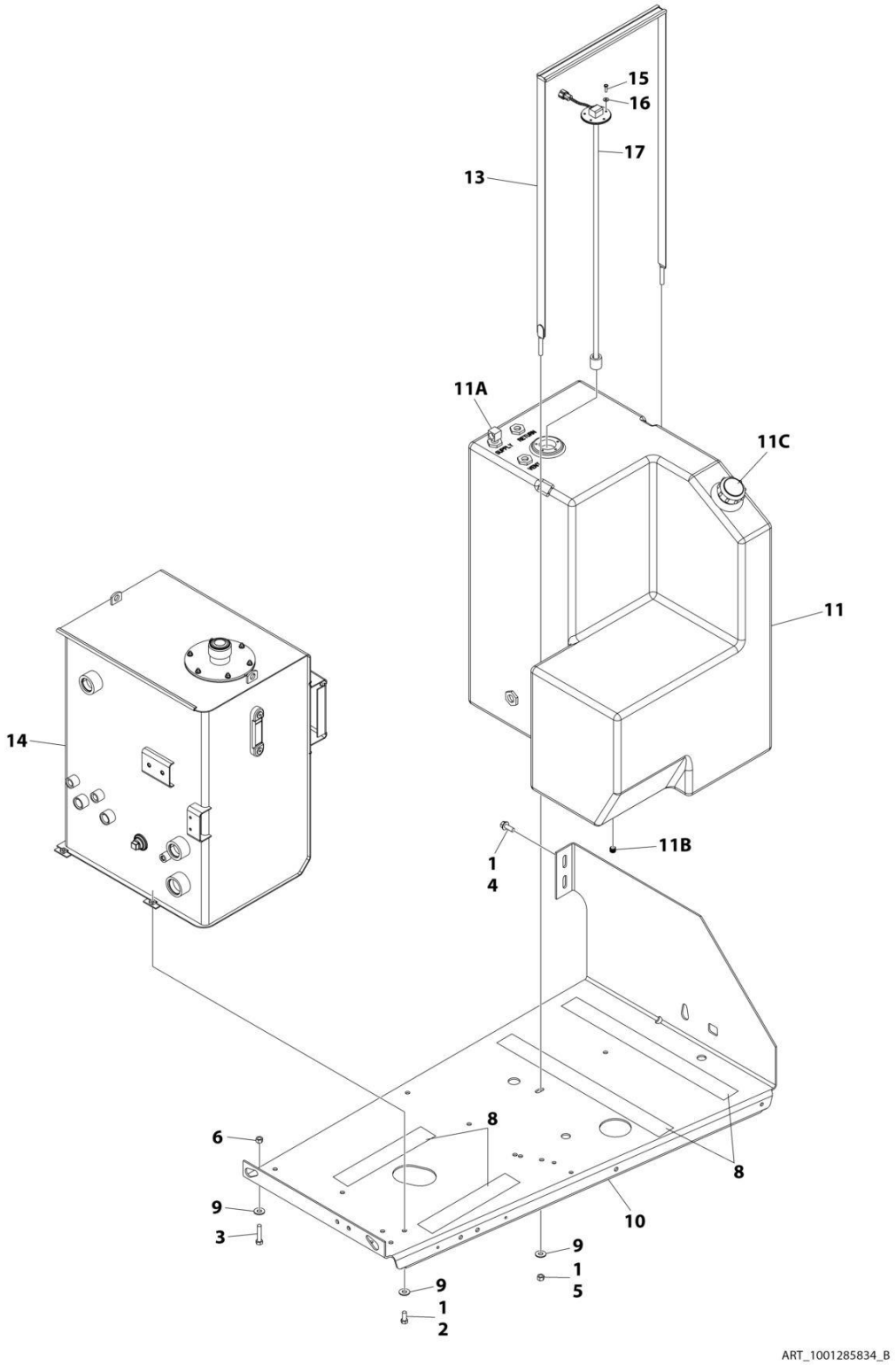


FIGURE 2-22. TANK INSTALLATION - DIESEL MACHINE (FUEL TANK WITH SIGHT GLASS) (47.8 GAL CAPACITY HYDRAULIC TANK) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285834	Ref	TANK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
3	0641614	2	Bolt 3/8 x 1-3/4	
4	0811608	2	Bolt 3/8 x 1	
5	3311601	2	Nut 3/8	
6	3311605	2	Nut 3/8	
8	4420038	73 in /1.85m	Tape, Rubber	
9	4751600	8	Washer 3/8	
10	1001156190	1	Tray	
11	1001284962	1	Tank, Fuel (Includes Non-Locking Cap) (Diesel Machines)	
11A	70007508	1	Fitting and Pick-up Tube (Diesel Machines)	
11B	70002112	1	Fitting (Diesel Machines Only)	
11C	1001080707	1	Cap	
13	1001231888	1	Strap Assembly (Includes Strap & Protective Strip)	
13	4240113	1	Strap, Tank	
14	1001285677	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
15	0731005	5	Bolt #10 x 5/8	
16	4751000	5	Washer #10	
17	1001274219	1	Gauge, Fuel	

FIGURE 2-23. TANK INSTALLATION - GAS ENGINES (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

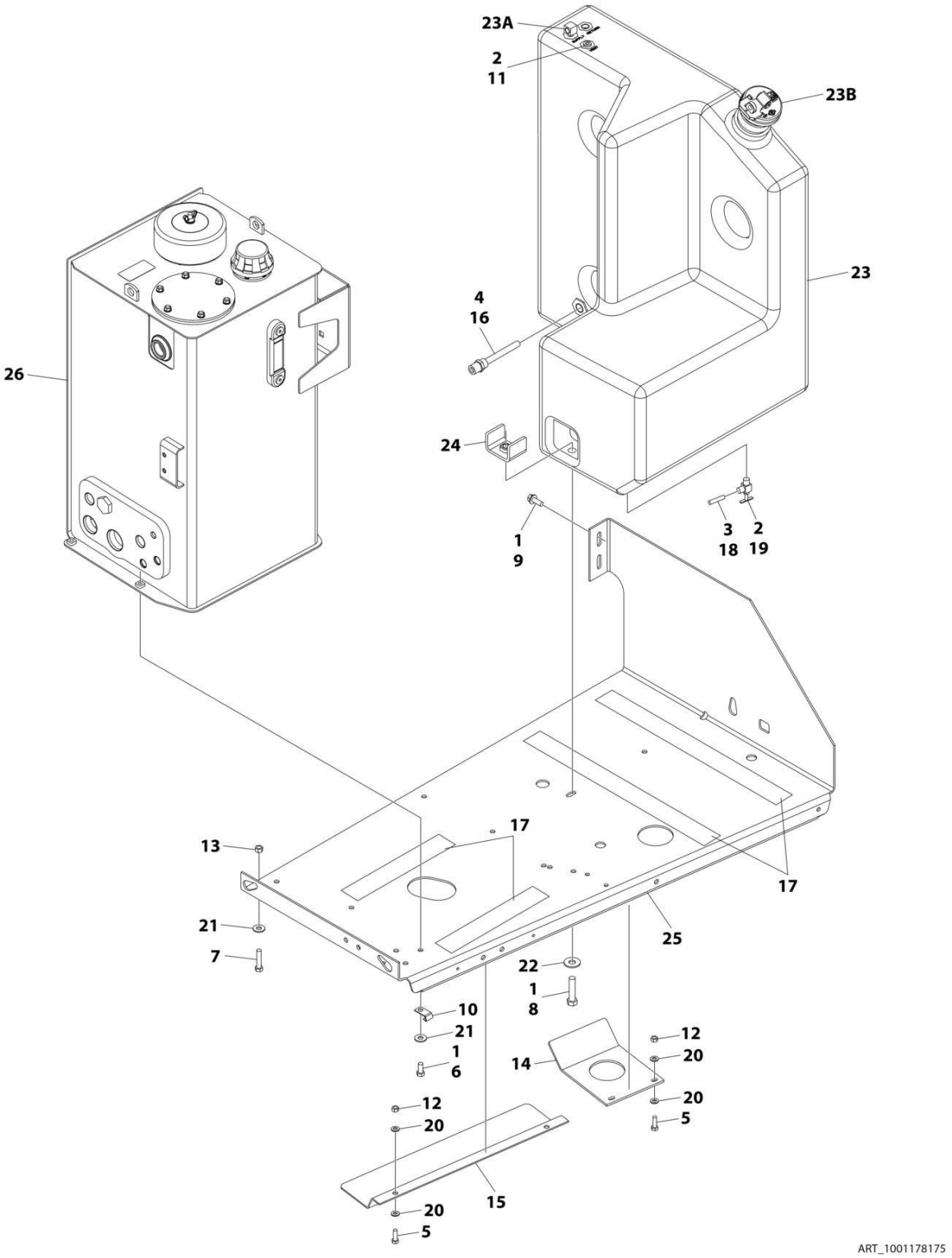


FIGURE 2-23. TANK INSTALLATION - GAS ENGINES (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178175	Ref	TANK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100062	AR	Compound, Locking	
4	1001182997	AR	Adhesive	
5	0641508	4	Bolt 5/16 x 1	
6	0641607	4	Bolt 3/8 x 7/8	
7	0641614	2	Bolt 3/8 x 1-3/4	
8	0641818	2	Bolt 1/2 x 2-1/4	
9	0811608	2	Bolt 3/8 x 1	
10	1320223	1	Clamp	
11	2200233	1	Plug	
12	3311505	4	Nut 5/16	
13	3311605	2	Nut 3/8	
14	3572423	1	Plate, Valve Needle	
15	3576755	1	Cover, Fuel Pump	
16	4360436	1	Switch, Fuel Level	
17	4420038	45 in /1.14m	Tape, Rubber (Gas Machines)	
18	4568119	1	Tube, Fuel	
19	4641022	1	Valve, Needle	
20	4711500	8	Washer 5/16	
21	4751600	2	Washer 3/8	
22	4751800	2	Washer 1/2	
23	1001111514	1	Tank, Fuel (Includes Non-Locking Cap) (Gas Machines)	
23A	70004149	1	Fitting and Pick-up Tube (Gas Machines)	
23B	70002715	1	Cap	
23B	70002716	1	Adapter, Cap	
24	1001118133	2	Bracket	
25	1001156190	1	Tray	
26	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-24. TANK INSTALLATION - GAS ENGINES (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

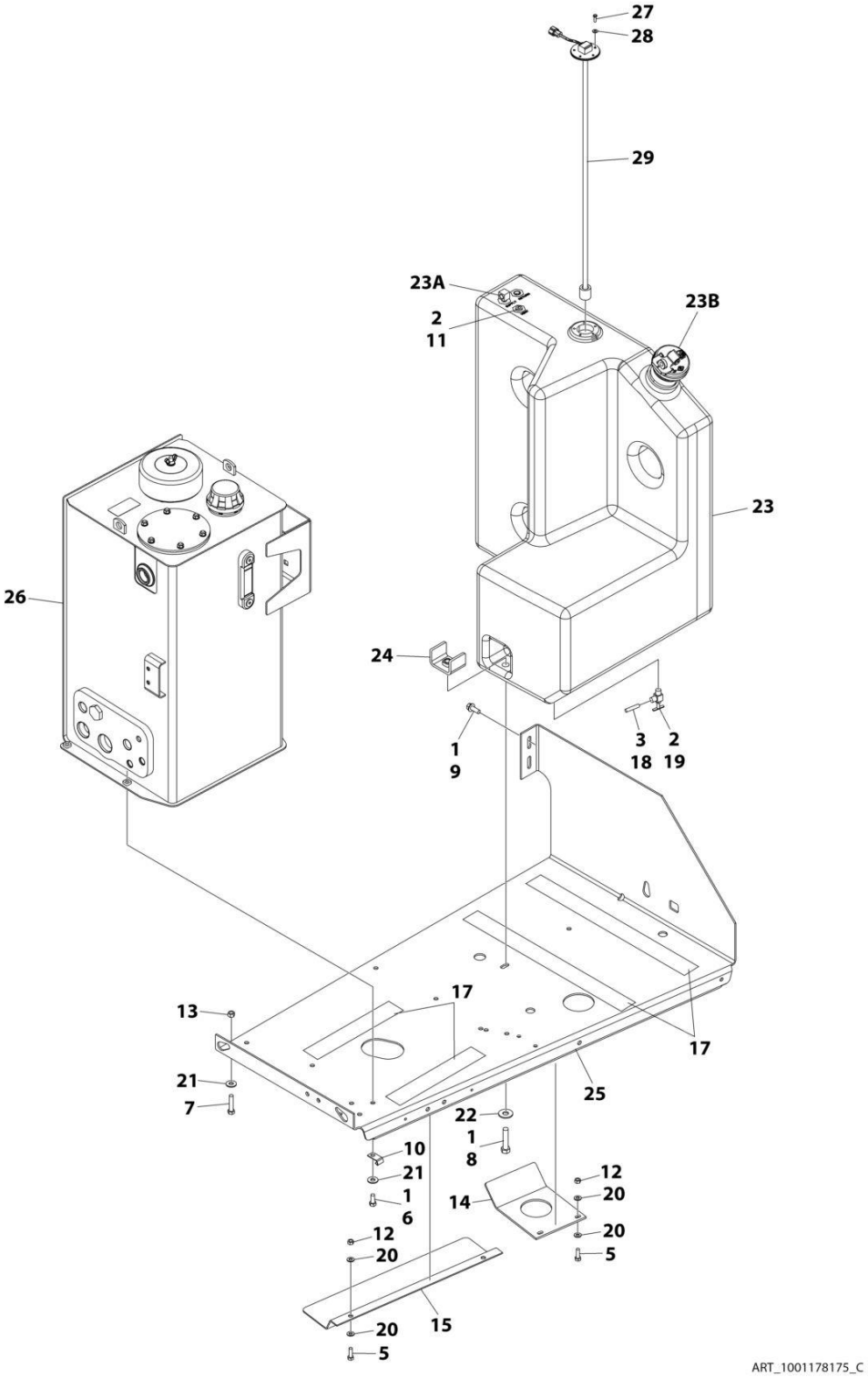


FIGURE 2-24. TANK INSTALLATION - GAS ENGINES (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178175	Ref	TANK INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100062	AR	Compound, Locking	
4	1001182997	AR	Adhesive (Not Shown)	
5	0641508	4	Bolt 5/16 x 1	
6	0641607	4	Bolt 3/8 x 7/8	
7	0641614	2	Bolt 3/8 x 1-3/4	
8	0641818	2	Bolt 1/2 x 2-1/4	
9	0811608	2	Bolt 3/8 x 1	
10	1320223	1	Clamp	
11	2200233	1	Plug	
12	3311505	4	Nut 5/16	
13	3311605	2	Nut 3/8	
14	3572423	1	Plate, Valve Needle	
15	3576755	1	Cover, Fuel Pump	
17	4420038	45 in /1.14m	Tape, Rubber (Gas Machines)	
18	4568119	1	Tube, Fuel	
19	4641022	1	Valve, Needle	
20	4711500	8	Washer 5/16	
21	4751600	2	Washer 3/8	
22	4751800	2	Washer 1/2	
23	1001284961	1	Tank, Fuel (Includes Non-Locking Cap) (Gas Machines)	
23A	70004149	1	Fitting and Pick-up Tube (Gas Machines)	
23B	70002715	1	Cap	
23B	70002716	1	Adapter, Cap	
24	1001118133	2	Bracket	
25	1001156190	1	Tray	
26	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
27	0731005	5	Bolt #10 x 5/8	
28	4751000	5	Washer #10	
29	1001274219	1	Gauge, Fuel	

FIGURE 2-25. TANK INSTALLATION - GAS ENGINES (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

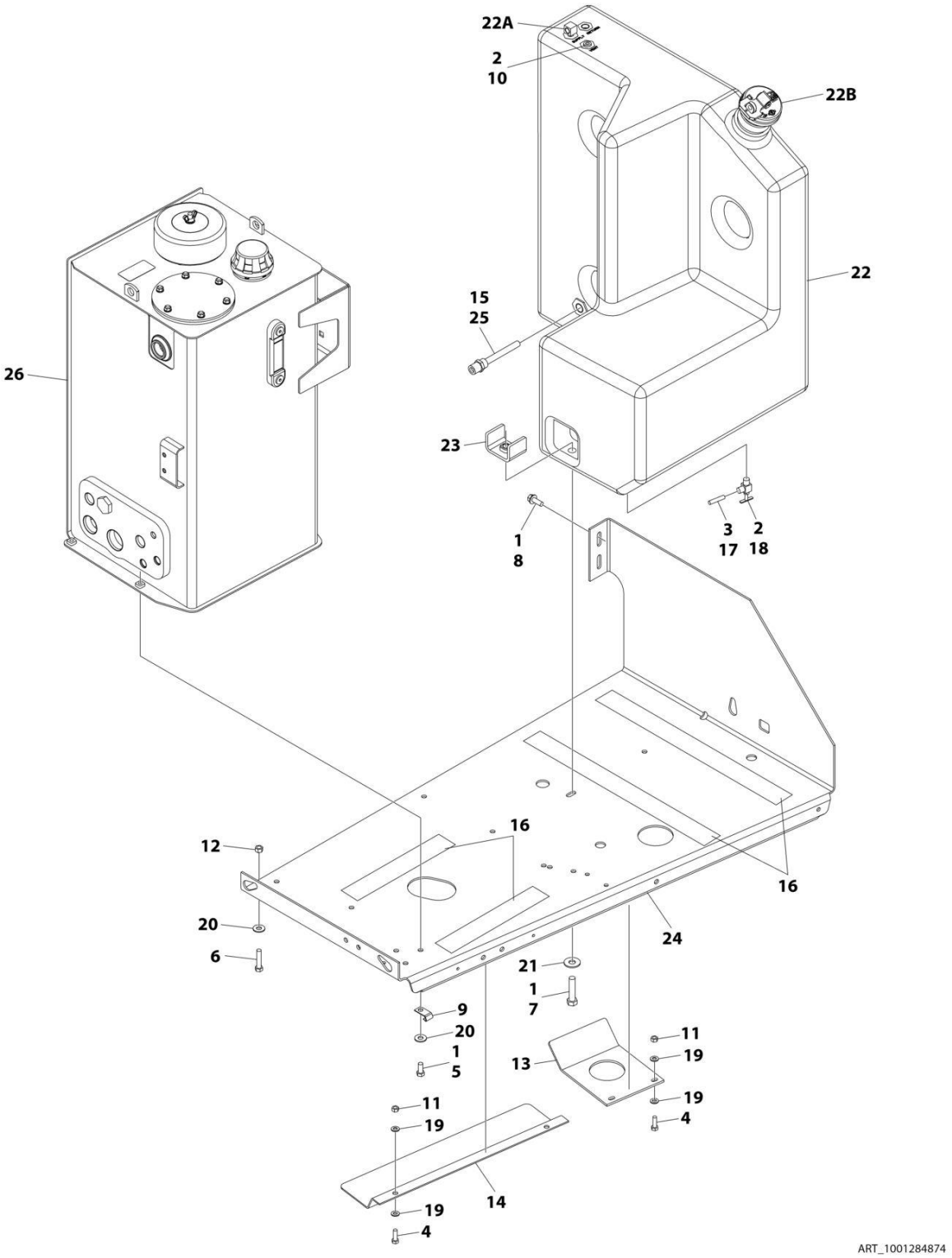


FIGURE 2-25. TANK INSTALLATION - GAS ENGINES (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284874	Ref	TANK INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100062	AR	Compound, Locking	
4	0641508	4	Bolt 5/16 x 1	
5	0641607	4	Bolt 3/8 x 7/8	
6	0641614	2	Bolt 3/8 x 1-3/4	
7	0641818	2	Bolt 1/2 x 2-1/4	
8	0811608	2	Bolt 3/8 x 1	
9	1320223	1	Clamp	
10	2200233	1	Plug	
11	3311505	4	Nut 5/16	
12	3311605	2	Nut 3/8	
13	3572423	1	Plate, Valve Needle	
14	3576755	1	Cover, Fuel Pump	
15	4360436	1	Switch, Fuel Level	
16	4420038	45 in /1.14m	Tape, Rubber (Gas Machines)	
17	4568119	1	Tube, Fuel	
18	4641022	1	Valve, Needle	
19	4711500	8	Washer 5/16	
20	4751600	2	Washer 3/8	
21	4751800	2	Washer 1/2	
22	1001111514	1	Tank, Fuel (Includes Non-Locking Cap) (Gas Machines)	
22A	70004149	1	Fitting and Pick-up Tube (Gas Machines)	
22B	70002715	1	Cap	
22B	70002716	1	Adapter, Cap	
23	1001118133	2	Bracket	
24	1001156190	1	Tray	
25	1001182997	AR	Adhesive	
26	1001267678	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-26. TANK INSTALLATION - GAS ENGINES (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

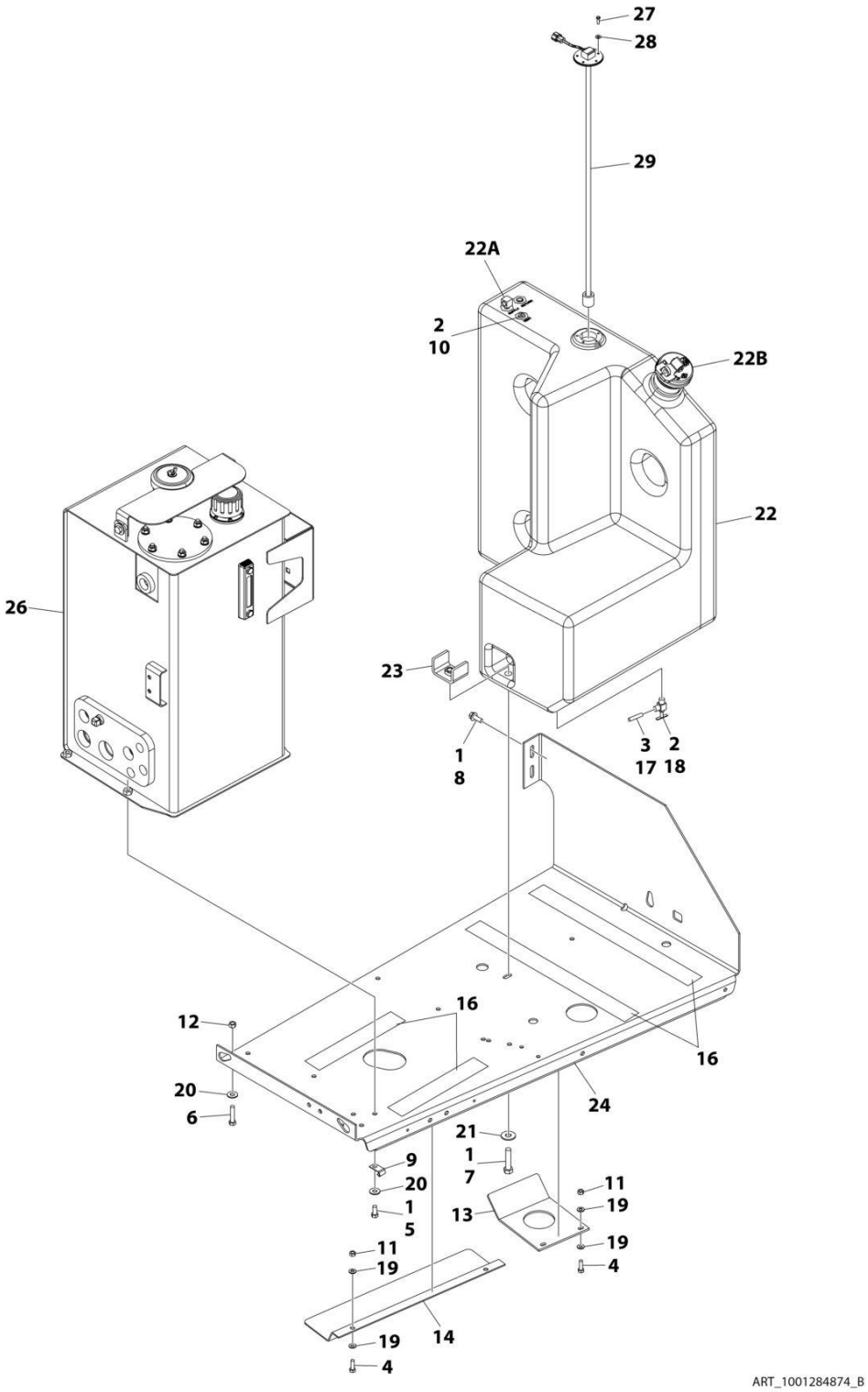


FIGURE 2-26. TANK INSTALLATION - GAS ENGINES (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284874	Ref	TANK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100062	AR	Compound, Locking	
4	0641508	4	Bolt 5/16 x 1	
5	0641607	4	Bolt 3/8 x 7/8	
6	0641614	2	Bolt 3/8 x 1-3/4	
7	0641818	2	Bolt 1/2 x 2-1/4	
8	0811608	2	Bolt 3/8 x 1	
9	1320223	1	Clamp	
10	2200233	1	Plug	
11	3311505	4	Nut 5/16	
12	3311605	2	Nut 3/8	
13	3572423	1	Plate, Valve Needle	
14	3576755	1	Cover, Fuel Pump	
16	4420038	45 in /1.14m	Tape, Rubber (Gas Machines)	
17	4568119	1	Tube, Fuel	
18	4641022	1	Valve, Needle	
19	4711500	8	Washer 5/16	
20	4751600	6	Washer 3/8	
21	4751800	2	Washer 1/2	
22	1001284961	1	Tank, Fuel (Includes Non-Locking Cap) (Gas Machines)	
22A	70004149	1	Fitting and Pick-up Tube (Gas Machines)	
22B	70002715	1	Cap	
22B	70002716	1	Adapter, Cap	
23	1001118133	2	Bracket	
24	1001156190	1	Tray	
26	1001267678	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
27	0731005	5	Bolt #10 x 5/8	
28	4751000	5	Washer #10	
29	1001274219	1	Gauge, Fuel	

FIGURE 2-27. TANK INSTALLATION - GAS ENGINES (47.8 GAL CAPACITY HYDRAULIC TANK) (Prior to SN 0300298282)

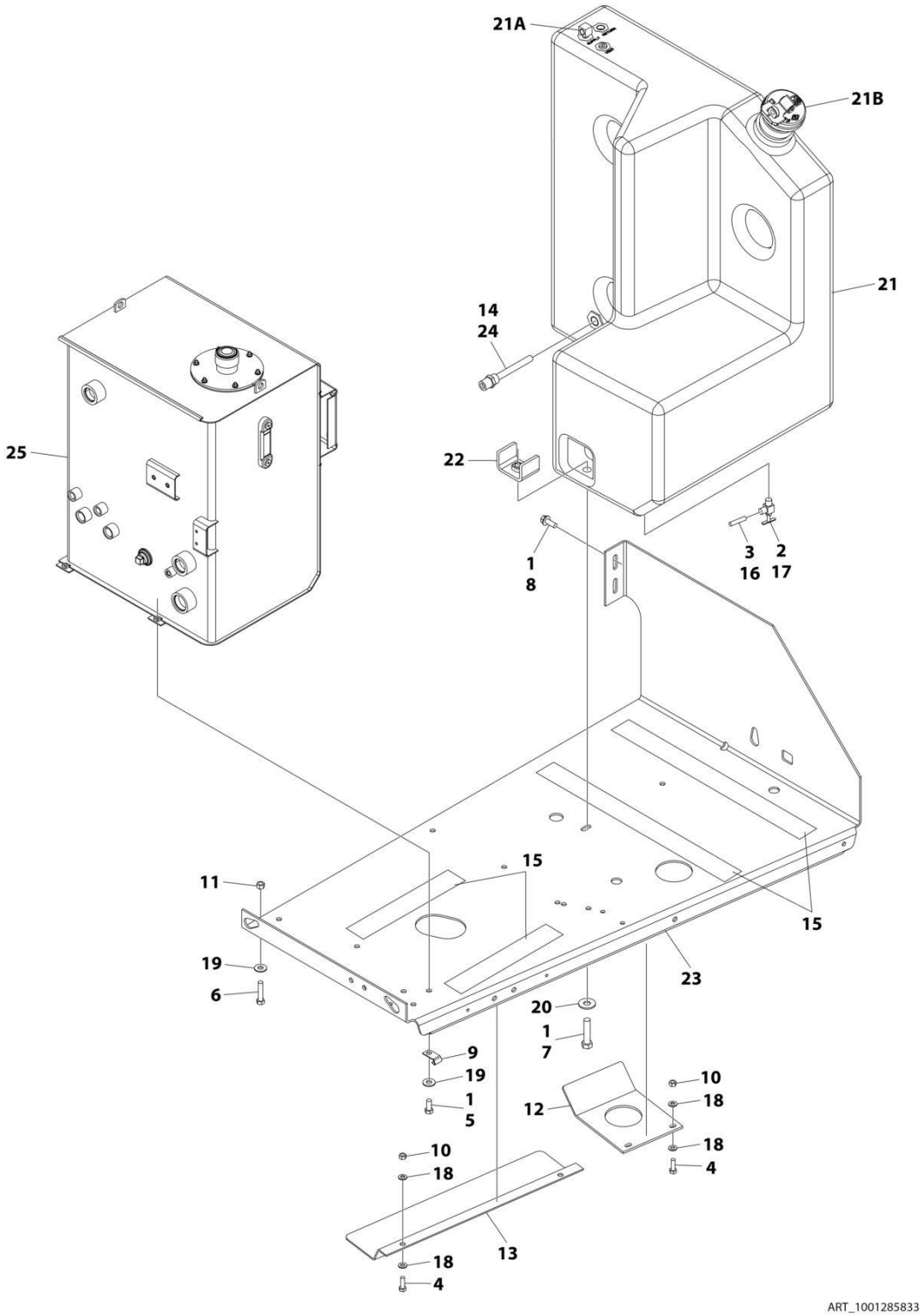


FIGURE 2-27. TANK INSTALLATION - GAS ENGINES (47.8 GAL CAPACITY HYDRAULIC TANK) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285833	Ref	TANK INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100062	AR	Compound, Locking	
4	0641508	4	Bolt 5/16 x 1	
5	0641607	4	Bolt 3/8 x 7/8	
6	0641614	2	Bolt 3/8 x 1-3/4	
7	0641818	2	Bolt 1/2 x 2-1/4	
8	0811608	2	Bolt 3/8 x 1	
9	1320223	1	Clamp	
10	3311505	4	Nut 5/16	
11	3311605	2	Nut 3/8	
12	3572423	1	Plate, Valve Needle	
13	3576755	1	Cover, Fuel Pump	
14	4360436	1	Switch, Fuel Level	
15	4420038	45 in /1.14m	Tape, Rubber (Gas Machines)	
16	4568119	1	Tube, Fuel	
17	4641022	1	Valve, Needle	
18	4711500	8	Washer 5/16	
19	4751600	2	Washer 3/8	
20	4751800	2	Washer 1/2	
21	1001111514	1	Tank, Fuel (Includes Non-Locking Cap) (Gas Machines)	
21A	70004149	1	Fitting and Pick-up Tube (Gas Machines)	
21B	70002715	1	Cap	
21B	70002716	1	Adapter, Cap	
22	1001118133	2	Bracket	
23	1001156190	1	Tray	
24	1001182997	AR	Adhesive	
25	1001285677	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-28. TANK INSTALLATION - GAS ENGINES (47.8 GAL CAPACITY HYDRAULIC TANK) (SN 0300298282 to Present)

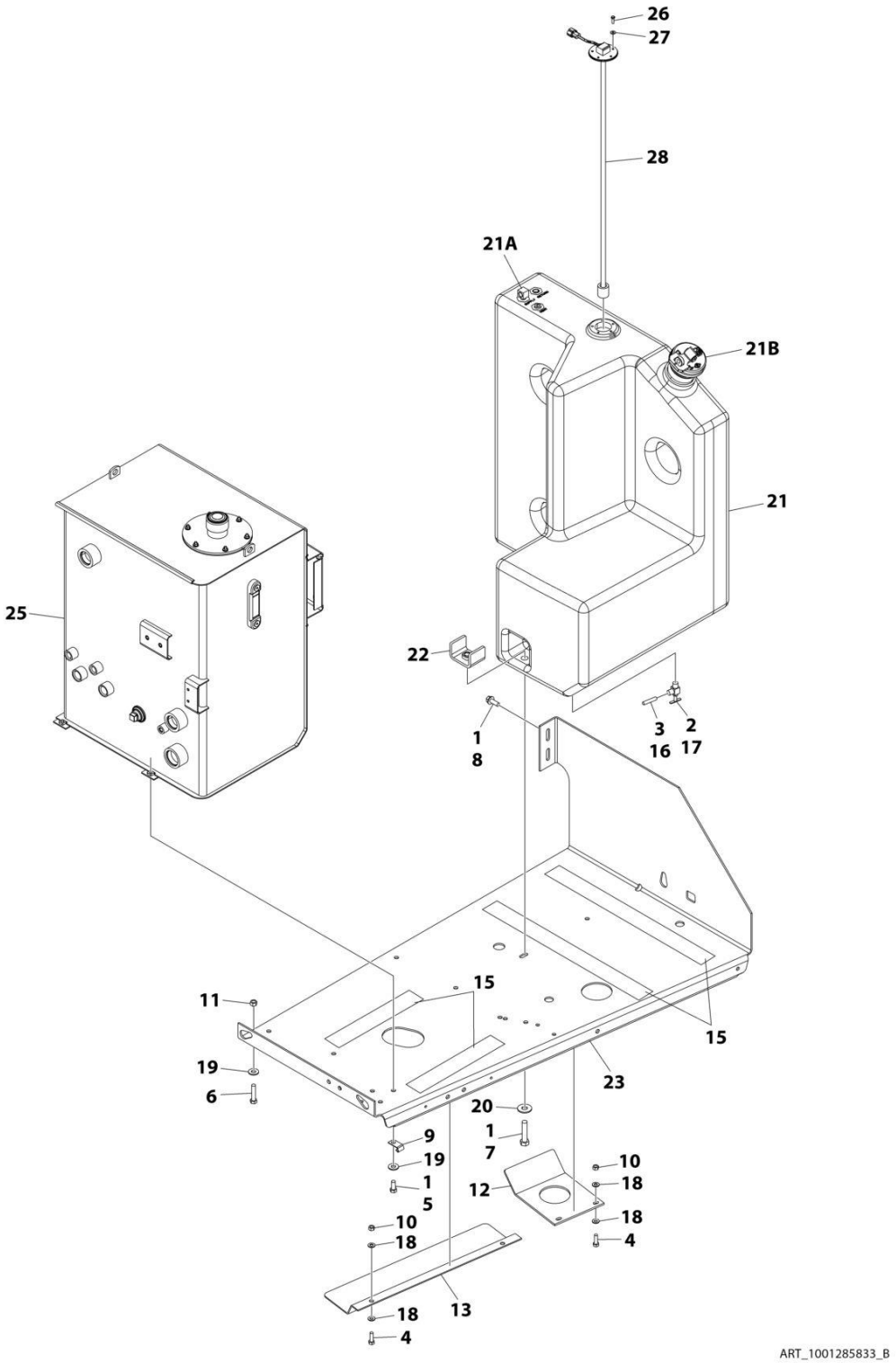


FIGURE 2-28. TANK INSTALLATION - GAS ENGINES (47.8 GAL CAPACITY HYDRAULIC TANK) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285833	Ref	TANK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100062	AR	Compound, Locking	
4	0641508	4	Bolt 5/16 x 1	
5	0641607	4	Bolt 3/8 x 7/8	
6	0641614	2	Bolt 3/8 x 1-3/4	
7	0641818	2	Bolt 1/2 x 2-1/4	
8	0811608	2	Bolt 3/8 x 1	
9	1320223	1	Clamp	
10	3311505	4	Nut 5/16	
11	3311605	2	Nut 3/8	
12	3572423	1	Plate, Valve Needle	
13	3576755	1	Cover, Fuel Pump	
15	4420038	45 in /1.14m	Tape, Rubber (Gas Machines)	
16	4568119	1	Tube, Fuel	
17	4641022	1	Valve, Needle	
18	4711500	8	Washer 5/16	
19	4751600	6	Washer 3/8	
20	4751800	2	Washer 1/2	
21	1001284961	1	Tank, Fuel (Includes Non-Locking Cap) (Gas Machines)	
21A	70004149	1	Fitting and Pick-up Tube (Gas Machines)	
21B	70002715	1	Cap	
21B	70002716	1	Adapter, Cap	
22	1001118133	2	Bracket	
23	1001156190	1	Tray	
24	1001182997	AR	Adhesive (Not Shown)	
25	1001285677	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
26	0731005	5	Bolt #10 x 5/8	
27	4751000	5	Washer #10	
28	1001274219	1	Guage, Fuel	

FIGURE 2-29. HYDRAULIC TANK ASSEMBLY (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY)

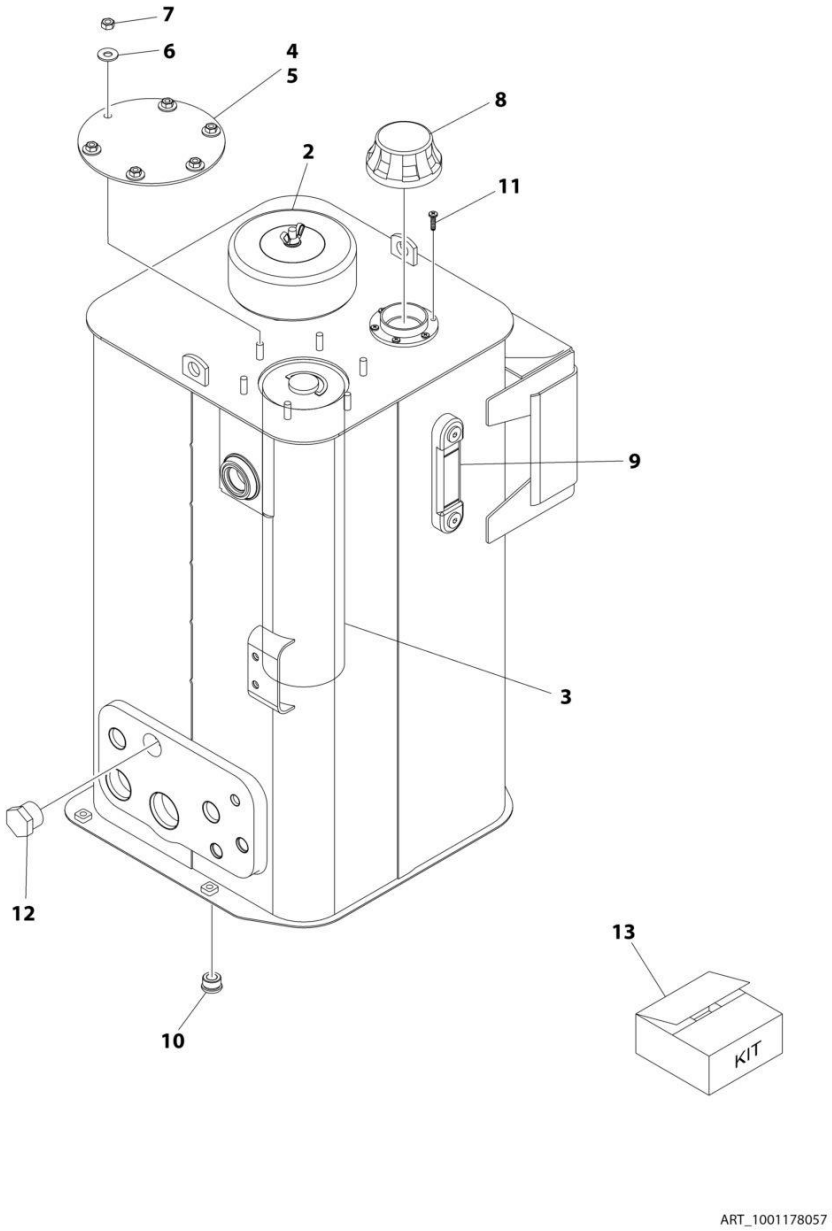


FIGURE 2-29. HYDRAULIC TANK ASSEMBLY (HELGESEN 6IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY)

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

FIGURE 2-30. HYDRAULIC TANK ASSEMBLY (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY)

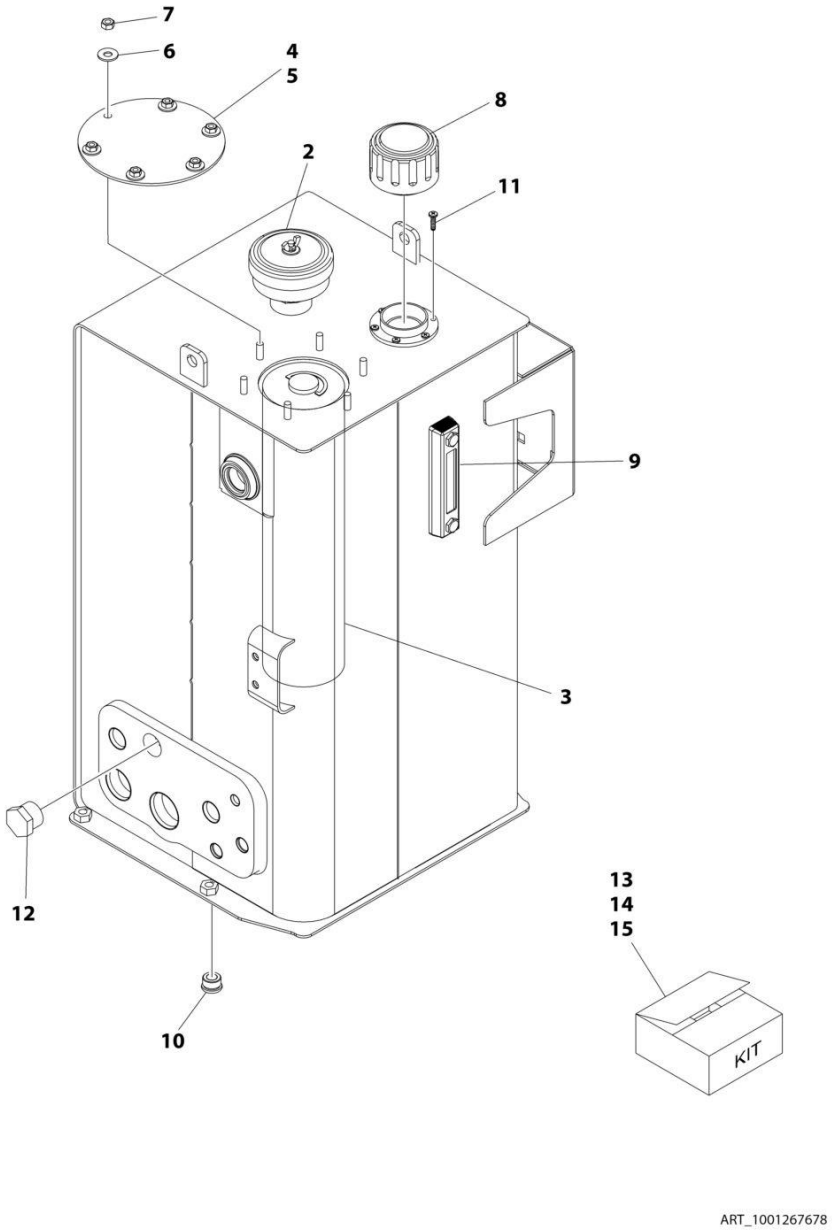
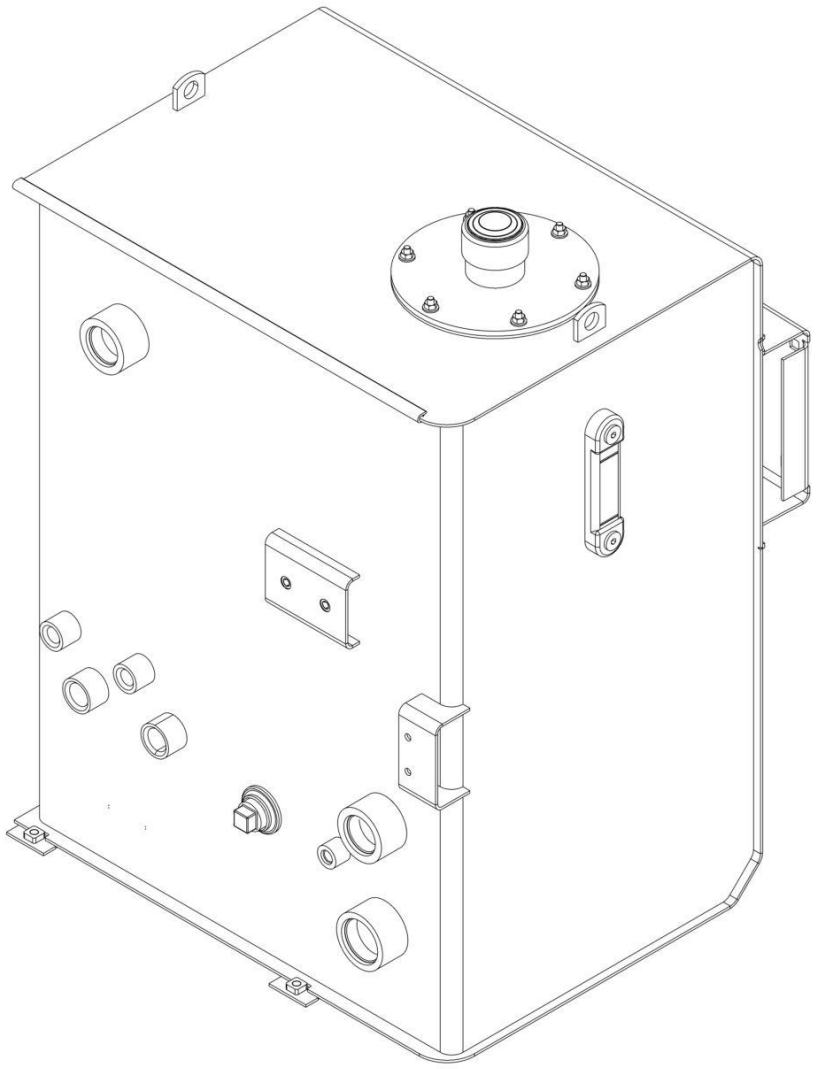


FIGURE 2-30. HYDRAULIC TANK ASSEMBLY (JIANGYING 4IN DIA BREATHER HYDRAULIC TANK - 25 GAL CAPACITY)

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

FIGURE 2-31. HYDRAULIC TANK ASSEMBLY (47.8 GAL CAPACITY HYDRAULIC TANK)



ART_1001285677

FIGURE 2-31. HYDRAULIC TANK ASSEMBLY (47.8 GAL CAPACITY HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285677	Ref	HYDRAULIC TANK ASSEMBLY	B
	See Note	Ref	Note: No Service Parts Available at Time of Printing	

FIGURE 2-32. AUXILIARY POWER INSTALLATION - WITHOUT BATTERY DISCONNECT

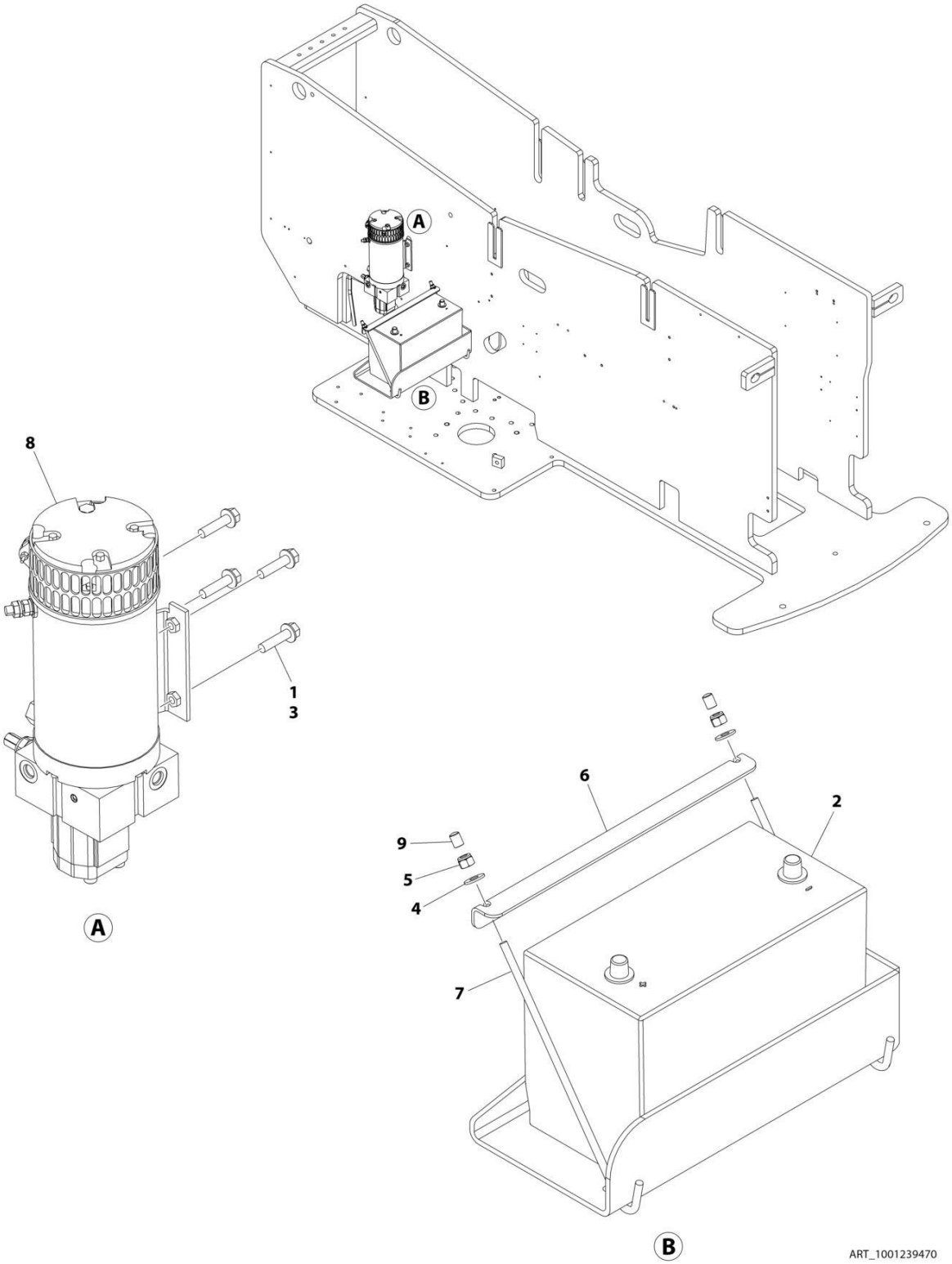


FIGURE 2-32. AUXILIARY POWER INSTALLATION - WITHOUT BATTERY DISCONNECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239470	Ref	AUXILIARY POWER INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0811612	4	Screw 3/8 x 1-1/2	
4	4751500	2	Washer 5/16	
5	88521205	2	Nut 5/16	
6	91401281	1	Bracket, Battery Hold Down	
7	1001093382	2	J - Bolt	
8	1001137460	1	Auxillary Power Pump/ Motor Assembly (See Separate Breakdown in this Section)	
9	1001218572	2	Cap	

FIGURE 2-33. AUXILIARY POWER INSTALLATION - WITH BATTERY DISCONNECT

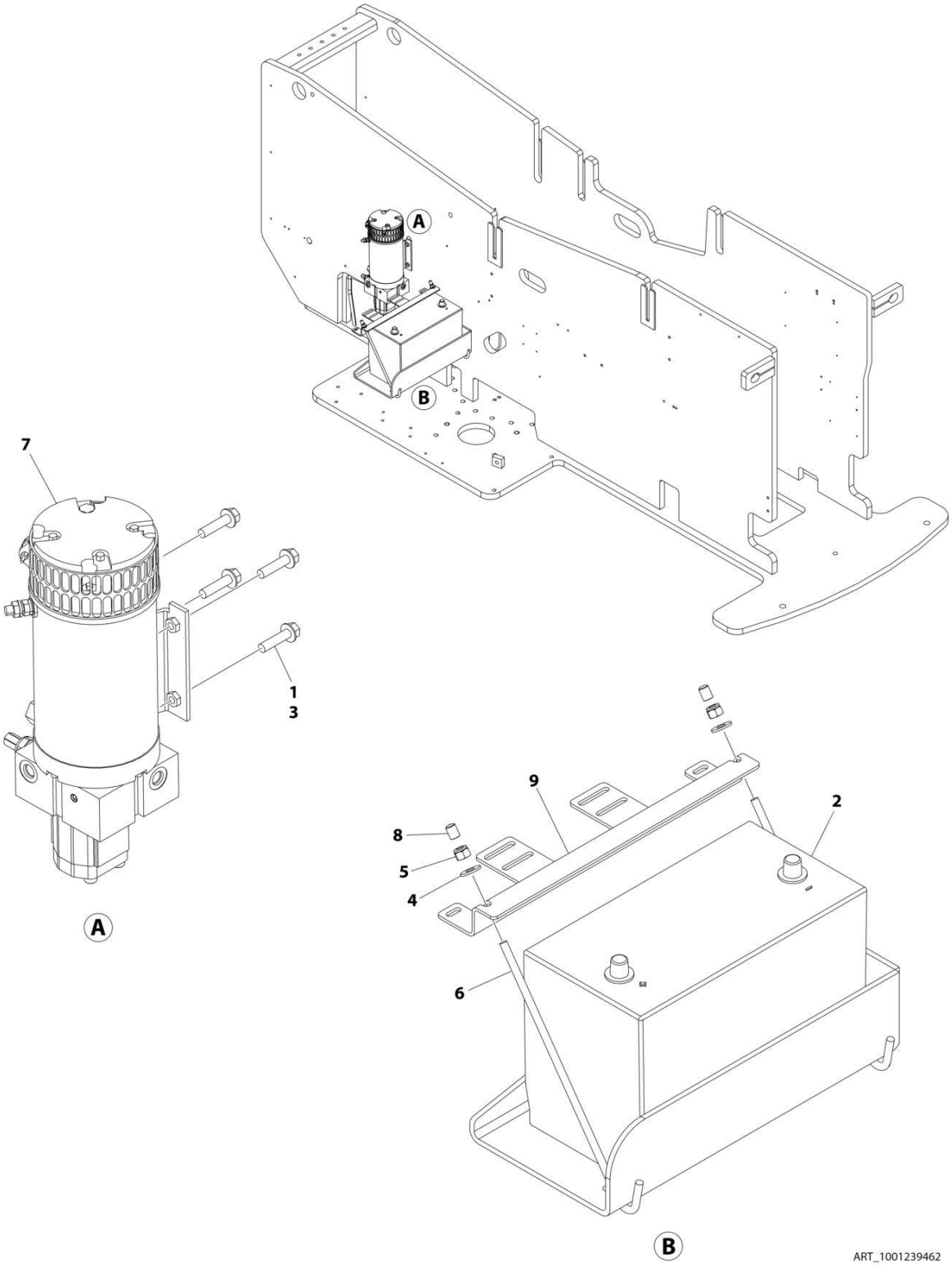


FIGURE 2-33. AUXILIARY POWER INSTALLATION - WITH BATTERY DISCONNECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239462	Ref	AUXILIARY POWER INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0811612	4	Screw 3/8 x 1-1/2	
4	4751500	2	Washer 5/16	
5	88521205	2	Nut 5/16	
6	1001093382	2	J - Bolt	
7	1001137460	1	Auxiliary Power Pump/Motor Assembly (See Separate Breakdown in this Section)	
8	1001218572	2	Cap	
9	1001236303	1	Bracket, Battery Hold Down	

FIGURE 2-34. AUXILIARY POWER PUMP/MOTOR ASSEMBLY

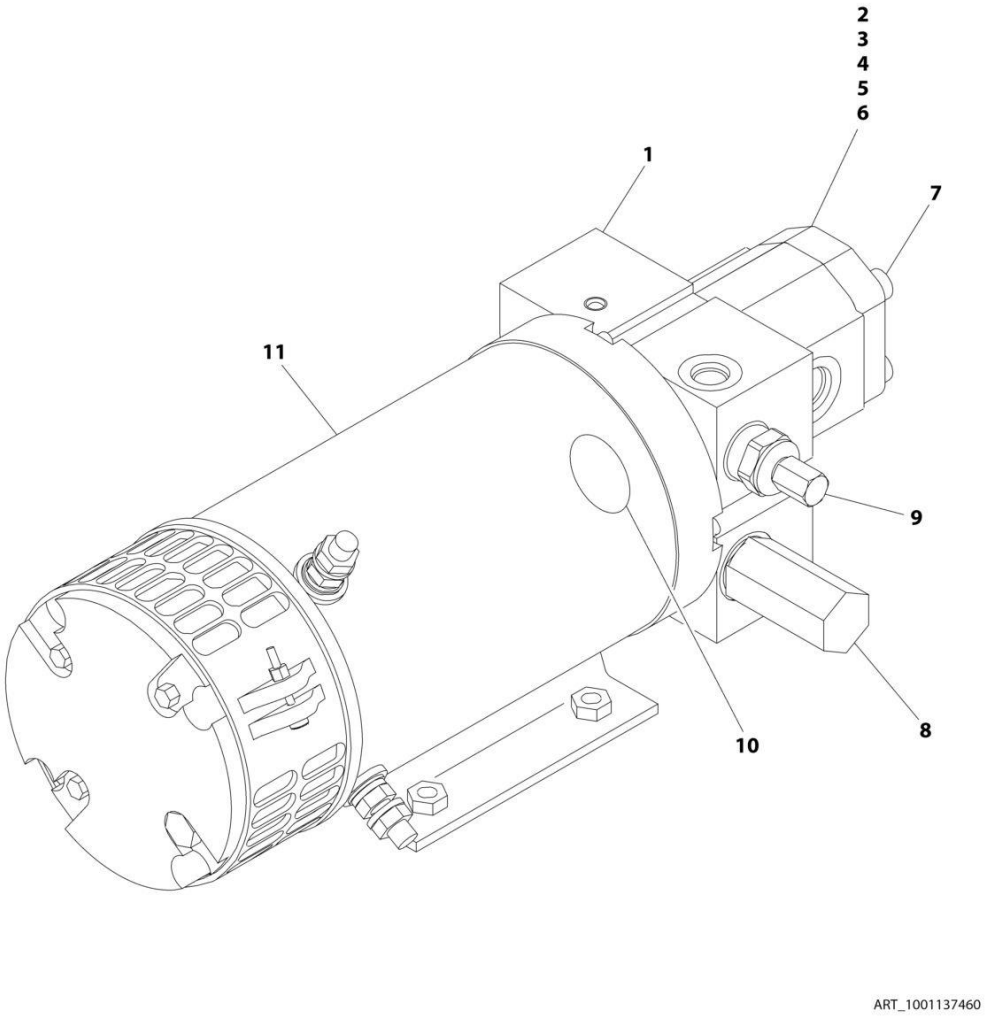


FIGURE 2-34. AUXILIARY POWER PUMP/MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137460	Ref	AUXILIARY PUMP ASSEMBLY	A
1	70004125	1	Base Assembly	
1	70003993	1	Seal, Shaft	
2	See Note	NSS	Pin, Dowel (Note: Use Item 1)	
3	See Note	NSS	O-Ring (Note: Use Item 1)	
4	See Note	NSS	Pump (Note: Use Item 1)	
5	See Note	NSS	O-Ring (Note: Use Item 1)	
6	See Note	NSS	Cover, Rear (Note: Use Item 1)	
7	See Note	NSS	Screw (Note: Use Item 1)	
8	70003989	1	Valve, Logic	
9	See Note	1	Valve, Relief (Note: Use Item 1)	
10	See Note	1	Shaft, Intermediate (Note: Use Item 1)	
11	70003992	1	Motor	

FIGURE 2-35. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 ENGINES - WITH DIGITAL DISPLAY (ANSI EXPORT LRC AND AUSTRALIAN SPECS)

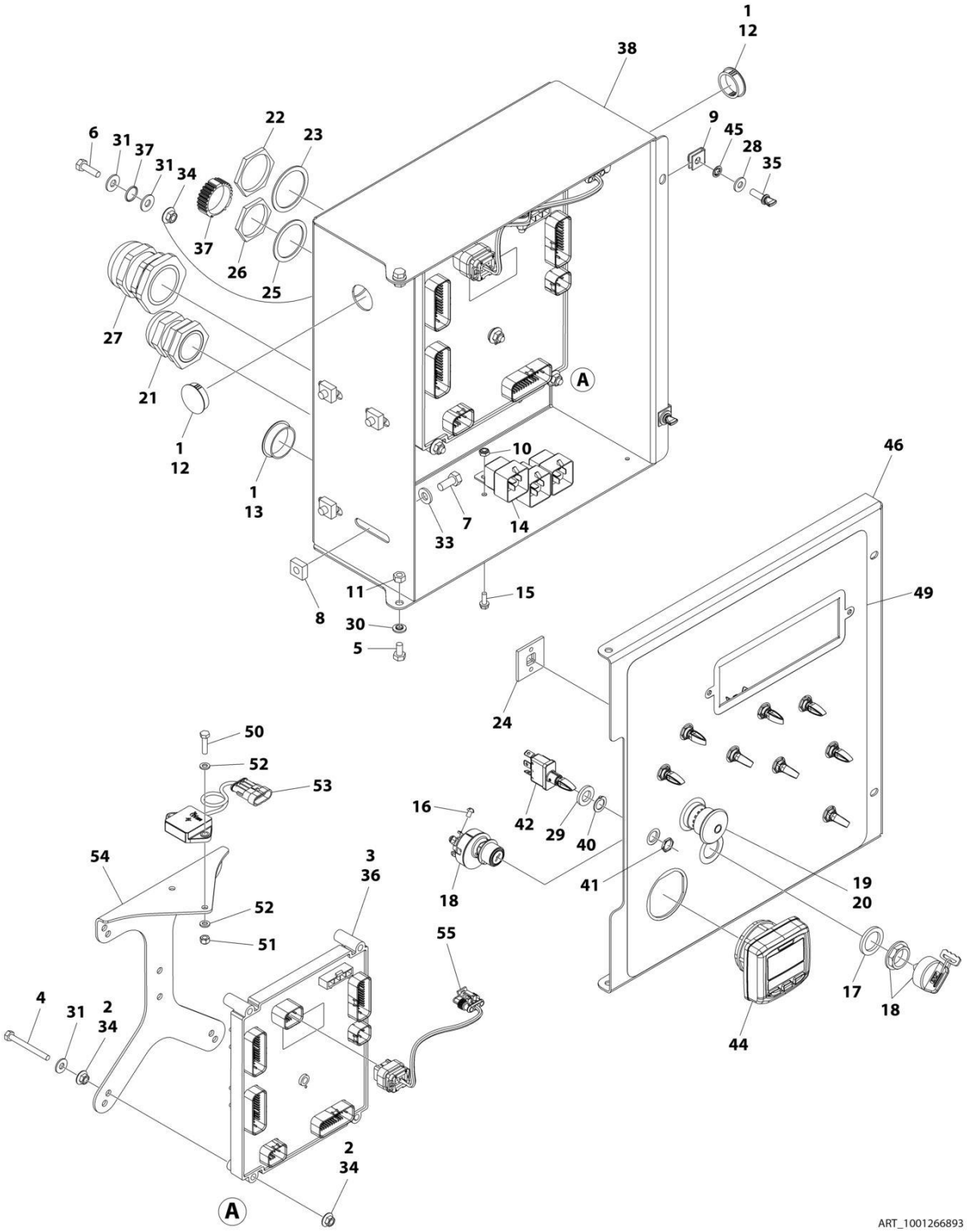


FIGURE 2-35. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 ENGINES - WITH DIGITAL DISPLAY (ANSI EXPORT LRC AND AUSTRALIAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266893	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001103667	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
36	1001280600	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001152175	1	Box	
39	1001153713	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
40	1001155043	9	Washer	
41	1001155044	9	Nut 15/32	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001155045	9	Switch, Toggle	
43	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001171482	1	Gauge, Display	
45	1001188874	2	Nut	
46	1001263352	1	Lid	
47	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266876	1	Decal - Ground Control Box	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut M6	
52	4811700	4	Washer M6	
53	1001219601	1	Sensor, Tilt Dual Axis CAN	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-36. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 ENGINES - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (Prior to SN 0300298282)

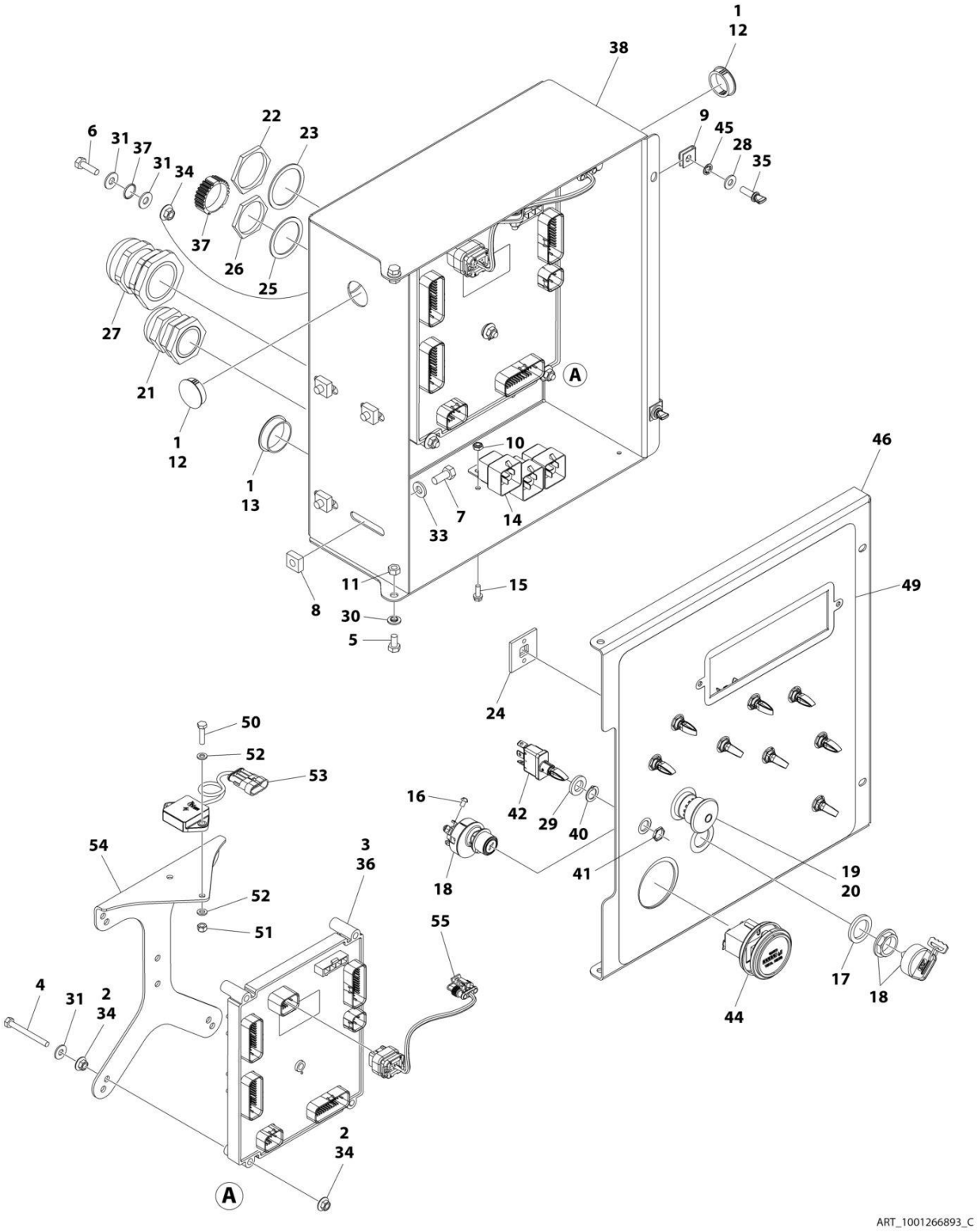


FIGURE 2-36. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 ENGINES - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266893	Ref	GROUND CONTROL BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001152175	1	Box	
39	1001153713	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
40	1001155043	9	Washer	
41	1001155044	9	Nut 15/32	
42	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	
46	1001280403	1	Lid	
47	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266876	1	Decal - Ground Control Box	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut M6	
52	4811700	4	Washer M6	
53	1001219601	1	Sensor, Tilt Dual Axis CAN	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-37. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 ENGINES - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (SN 0300298282 to Present)

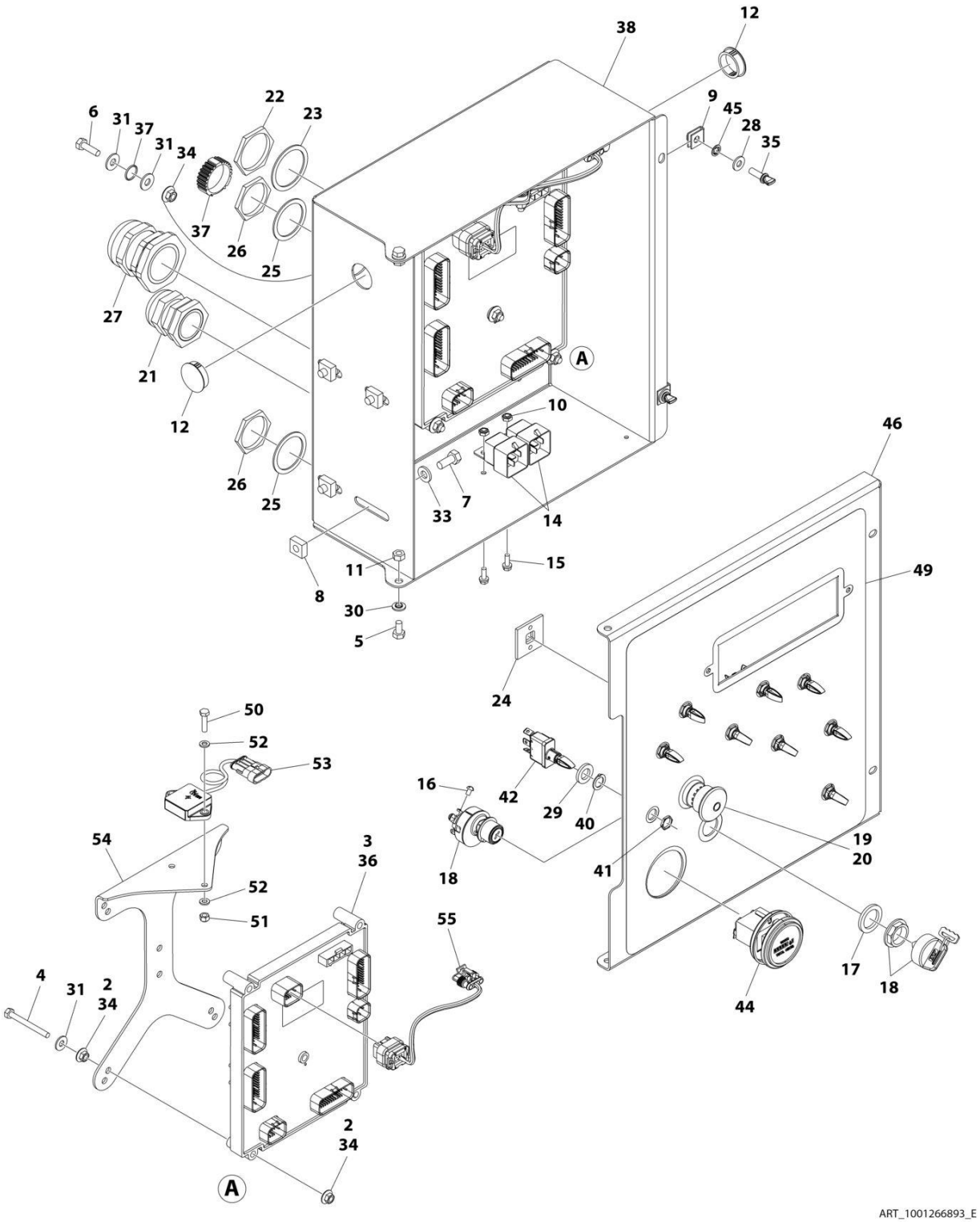


FIGURE 2-37. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 ENGINES - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266893	Ref	GROUND CONTROL BOX ASSEMBLY	E
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001287467	1	Box	
39	1001286032	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
40	1001155043	9	Washer	
41	1001155044	9	Nut 15/32	
42	1001155045	9	Switch, Toggle	
43	1001285016	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	10836804	1	Hour Meter	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001188874	2	Nut	
46	1001280403	1	Lid	
47	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266876	1	Decal - Ground Control Box	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut M6	
52	4811700	4	Washer M6	
53	1001219601	1	Sensor, Tilt Dual Axis CAN	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-38. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND TOWER STOW - WITH DIGITAL DISPLAY (ANSI EXPORT LRC AND AUSTRALIAN SPECS)

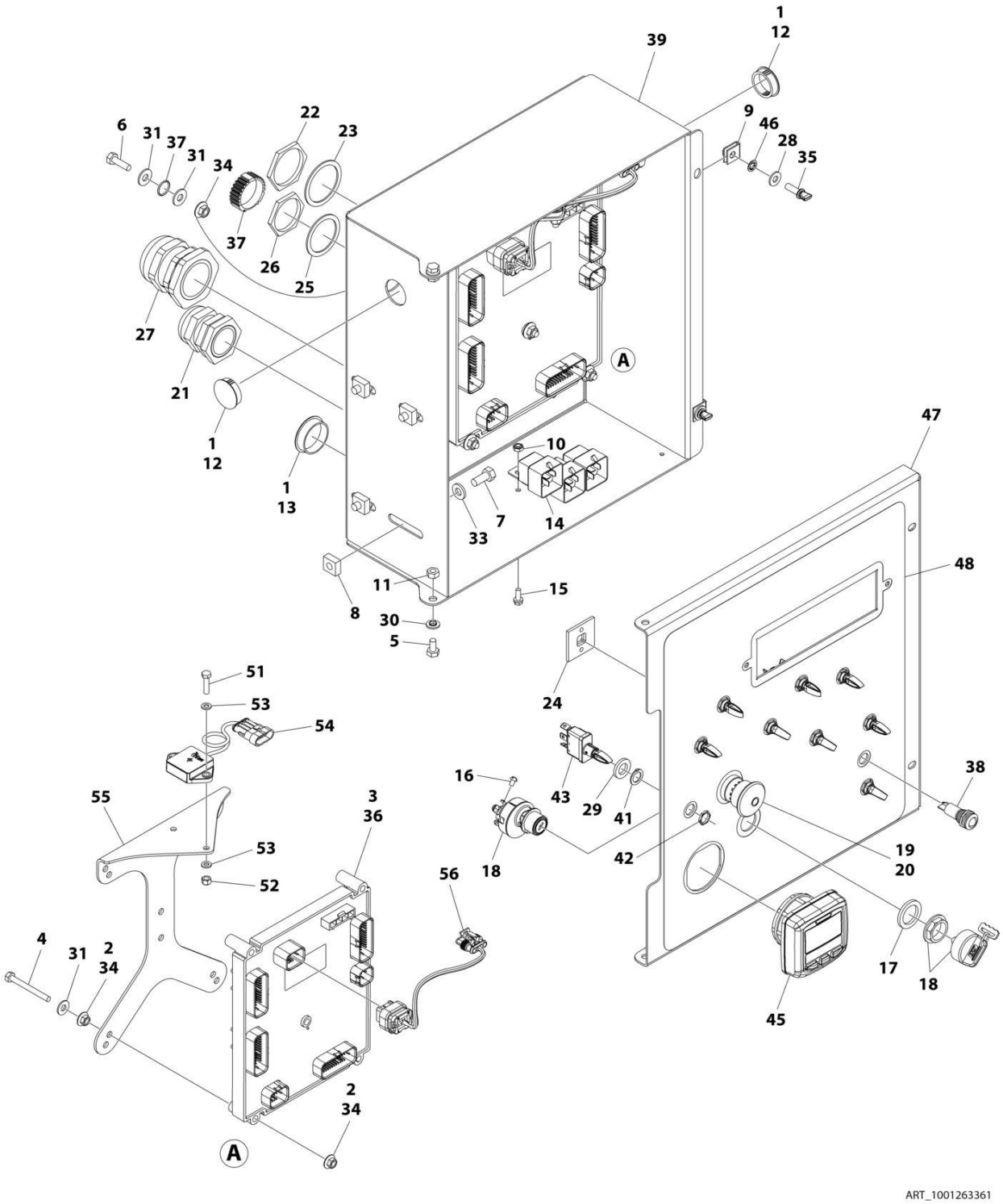


FIGURE 2-38. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND TOWER STOW - WITH DIGITAL DISPLAY (ANSI EXPORT LRC AND AUSTRALIAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263361	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001103667	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
36	1001280600	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001137364	1	Light, Indicator	
39	1001152175	1	Box	
40	1001153713	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001155044	9	Nut 15/32	
43	1001155045	9	Switch, Toggle	
44	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
45	1001171482	1	Gauge, Display	
46	1001188874	2	Nut	
47	1001263352	1	Lid	
48	1001263356	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-39. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (Prior to SN 0300298282)

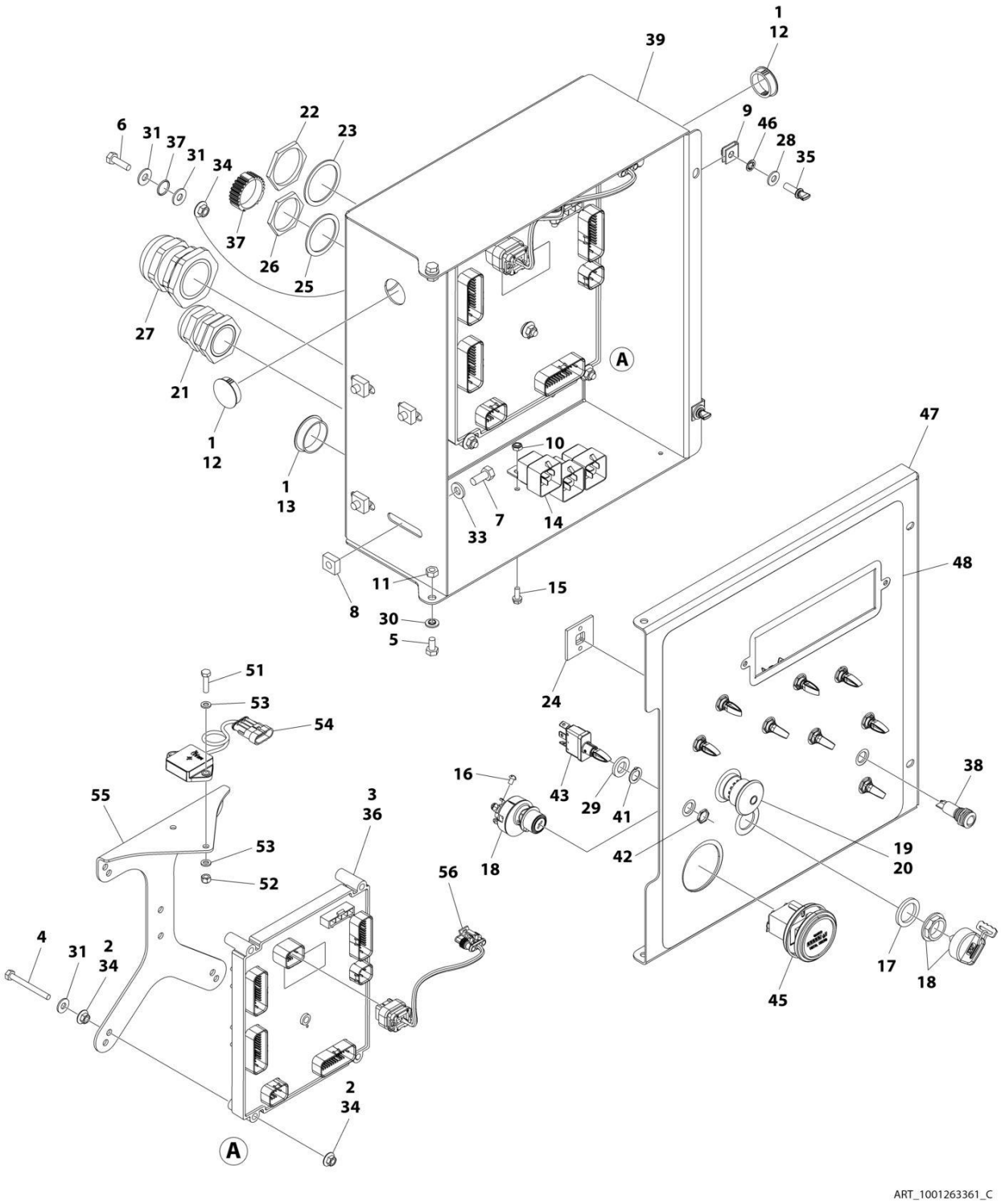


FIGURE 2-39. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263361	Ref	GROUND CONTROL BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001137364	1	Light, Indicator	
39	1001152175	1	Box	
40	1001153713	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32	
43	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001280403	1	Lid	
48	1001263356	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-40. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (SN 0300298282 to Present)

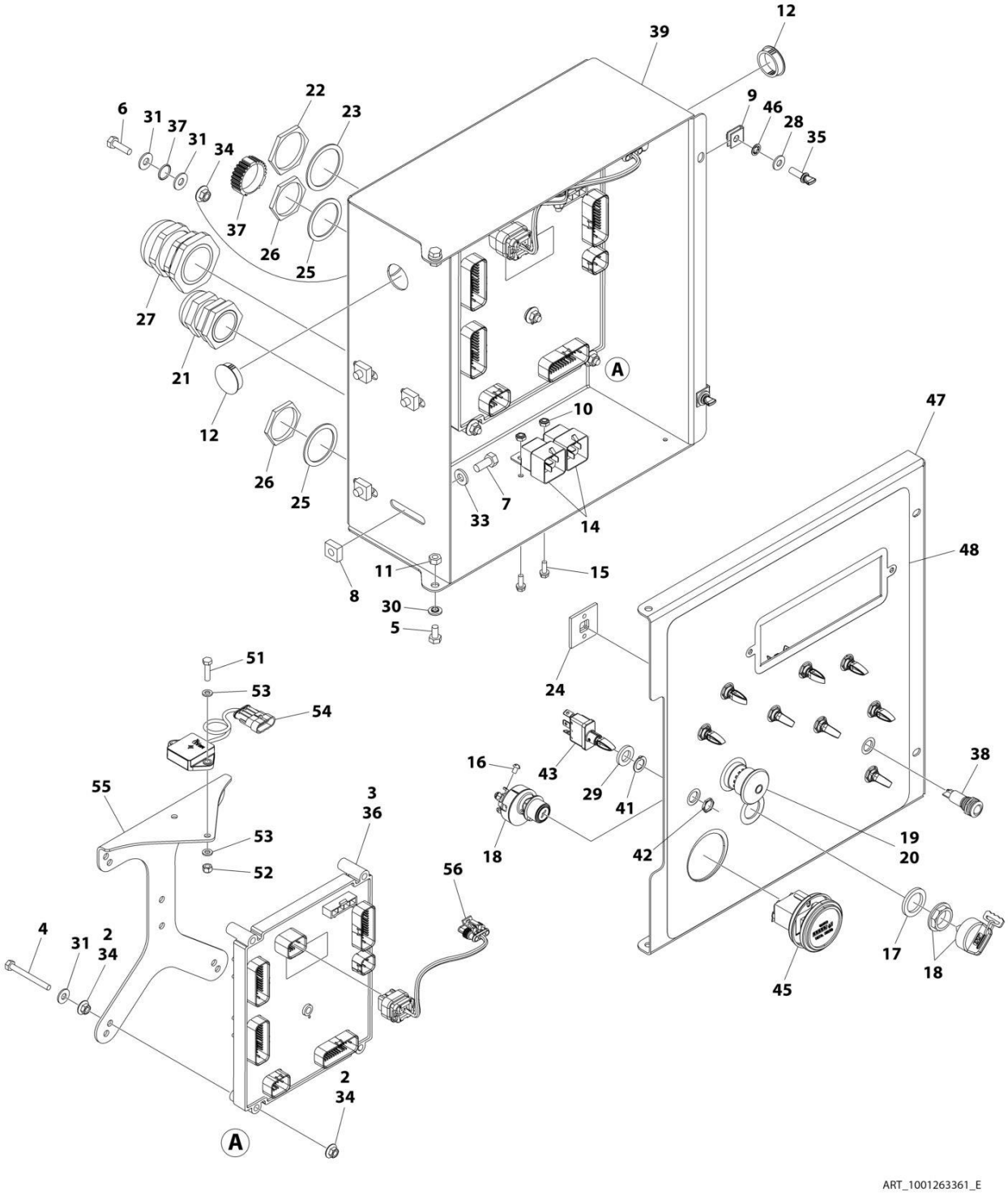


FIGURE 2-40. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI EXPORT LRC AND AUSTRALIAN SPECS) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263361	Ref	GROUND CONTROL BOX ASSEMBLY	E
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001137364	1	Light, Indicator	
39	1001287467	1	Box	
40	1001286032	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32	
43	1001155045	9	Switch, Toggle	
44	1001285016	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001280403	1	Lid	
48	1001263356	1	Decal - Ground Control Box	
49	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-41. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (CE & UK CA LRC SPECS) (Prior to SN 0300298282)

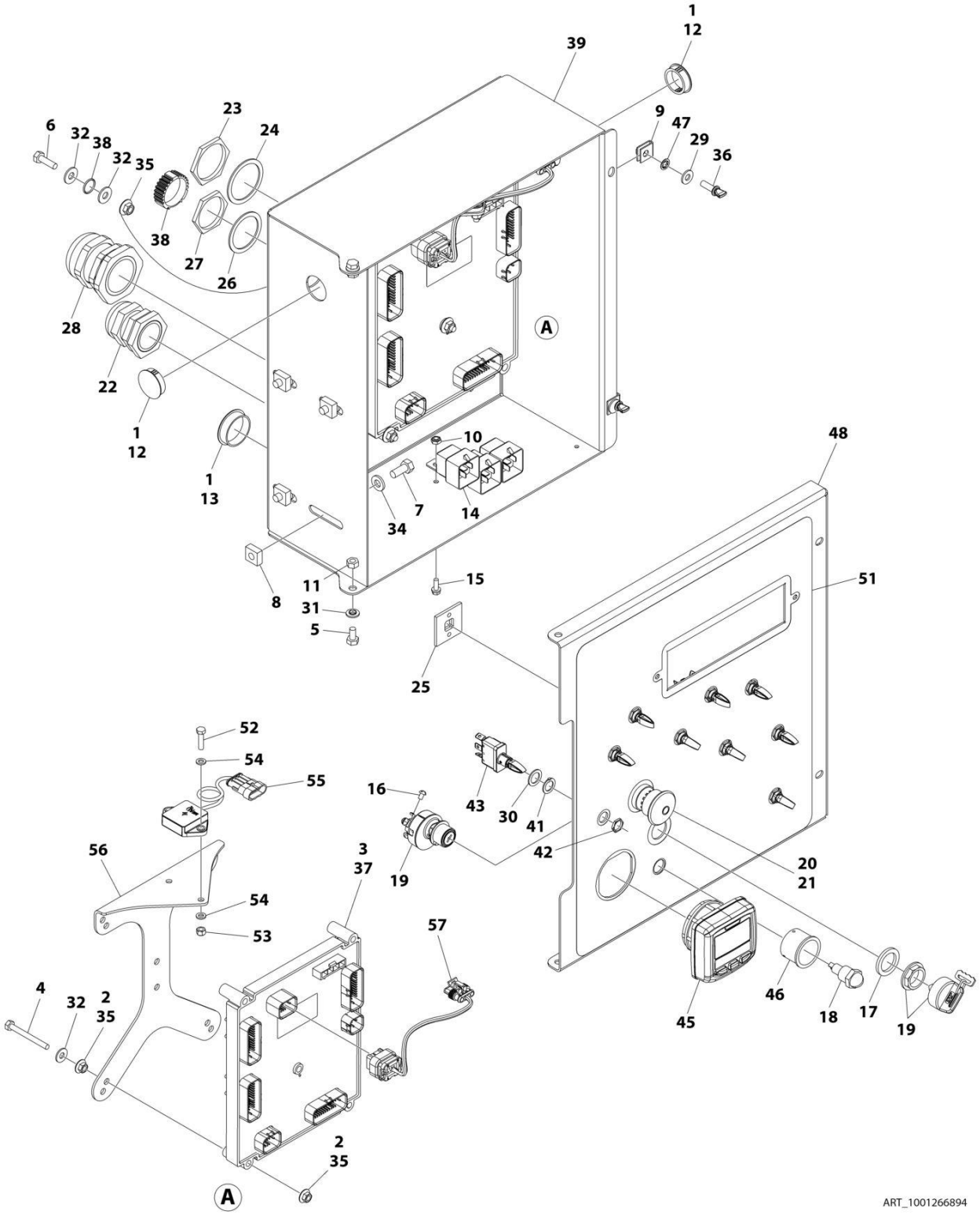


FIGURE 2-41. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (CE & UK CA LRC SPECS) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266894	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360387	1	Switch, Push Button	
19	4360469	1	Switch, Key	
19	2860030	1 Set	Key Replacement	
20	4360475	1	Switch, Emergency Stop	
20	7020175	1	Cap, Mushroom	
20	7020176	1	Block, Contact	
21	4360476	1	Switch, Contact Block	
22	4460426	1	Connector, Strain Relief	
23	4460470	1	Nut, Terminal	
24	4460471	1	Lockwasher, Terminal	
25	4460488	6	Mounting Base, Terminal	
26	4460496	1	Washer, Terminal	
27	4460497	1	Nut, Terminal	
28	4460526	1	Connector, Strain Relief	
29	4711400	2	Washer 1/4	
30	4740397	9	Spacer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001103667	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001152175	1	Box	
40	1001153713	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32	
43	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
45	1001171482	1	Gauge, Display	
46	1001176469	1	Shroud	
47	1001188874	2	Nut	
48	1001263353	1	Lid	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001266874	1	Decal - Ground Control Box	
52	0760612	2	Bolt M6 x 25	
53	3290605	2	Nut M6	
54	4811700	4	Washer M6	
55	1001219601	1	Sensor, Tilt Dual Axis CAN	
56	1001271794	1	Bracket, Tilt Sensor	
57	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-42. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (CE & UK CA LRC SPECS) (SN 0300298282 to Present)

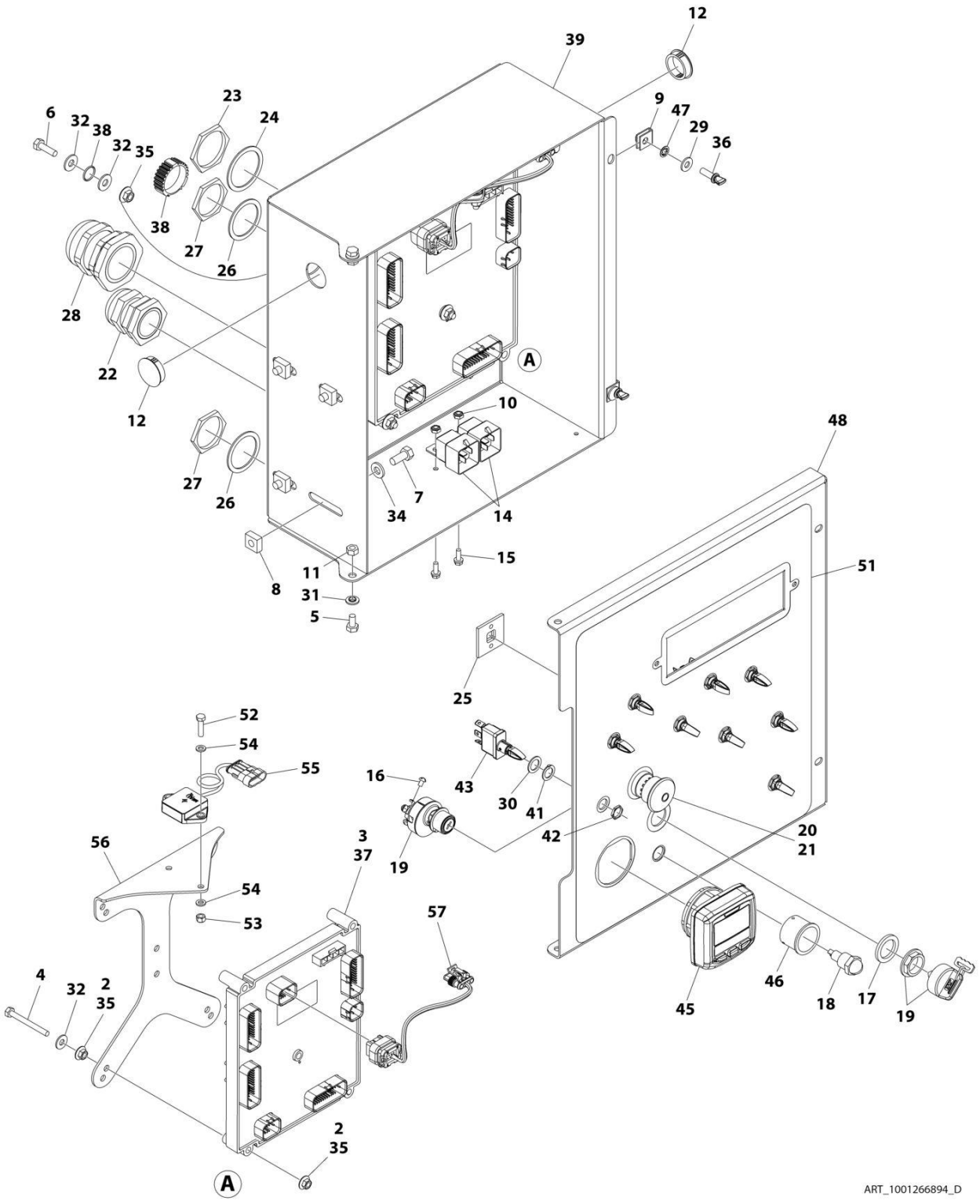


FIGURE 2-42. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 (CE & UK CA LRC SPECS) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266894	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360387	1	Switch, Push Button	
19	4360469	1	Switch, Key	
19	2860030	1 Set	Key Replacement	
20	4360475	1	Switch, Emergency Stop	
20	7020175	1	Cap, Mushroom	
20	7020176	1	Block, Contact	
21	4360476	1	Switch, Contact Block	
22	4460426	1	Connector, Strain Relief	
23	4460470	1	Nut, Terminal	
24	4460471	1	Lockwasher, Terminal	
25	4460488	6	Mounting Base, Terminal	
26	4460496	2	Washer, Terminal	
27	4460497	2	Nut, Terminal	
28	4460526	1	Connector, Strain Relief	
29	4711400	2	Washer 1/4	
30	4740397	9	Spacer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001287467	1	Box	
40	1001286032	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155043	9	Washer	
42	1001155044	9	Nut 15/32	
43	1001155045	9	Switch, Toggle	
44	1001285016	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
45	1001171482	1	Gauge, Display	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001176469	1	Shroud	
47	1001188874	2	Nut	
48	1001263353	1	Lid	
49	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	1001266874	1	Decal - Ground Control Box	
52	0760612	2	Bolt M6 x 25	
53	3290605	2	Nut M6	
54	4811700	4	Washer M6	
55	1001219601	1	Sensor, Tilt Dual Axis CAN	
56	1001271794	1	Bracket, Tilt Sensor	
57	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-43. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND WITH TOWER STOW (CE & UK CA LRC SPECS) (Prior to SN 0300298282)

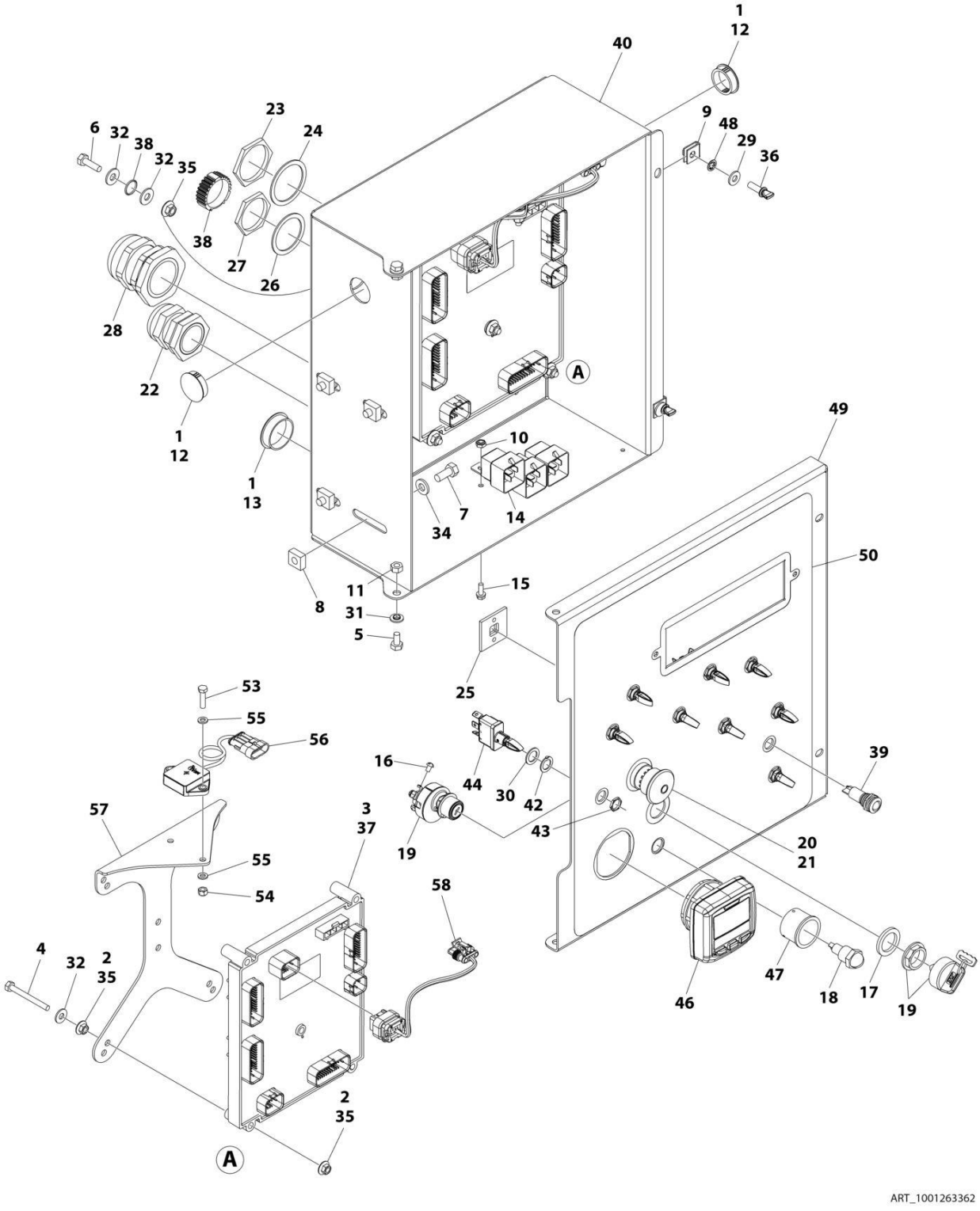


FIGURE 2-43. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND WITH TOWER STOW (CE & UK CA LRC SPECS) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263362	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360387	1	Switch, Push Button	
19	4360469	1	Switch, Key	
19	2860030	1 Set	Key Replacement	
20	4360475	1	Switch, Emergency Stop	
20	7020175	1	Cap, Mushroom	
20	7020176	1	Block, Contact	
21	4360476	1	Switch, Contact Block	
22	4460426	1	Connector, Strain Relief	
23	4460470	1	Nut, Terminal	
24	4460471	1	Lockwasher, Terminal	
25	4460488	6	Mounting Base, Terminal	
26	4460496	1	Washer, Terminal	
27	4460497	1	Nut, Terminal	
28	4460526	1	Connector, Strain Relief	
29	4711400	2	Washer 1/4	
30	4740397	9	Spacer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001103667	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001137364	1	Light, Indicator	
40	1001152175	1	Box	
41	1001153713	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32	
44	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
46	1001171482	1	Gauge, Display	
47	1001176469	1	Shroud	
48	1001188874	2	Nut	
49	1001263353	1	Lid	
50	1001263355	1	Decal - Ground Control Box	
51	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
53	0760612	2	Bolt M6 x 25	
54	3290605	2	Nut M6	
55	4811700	4	Washer M6	
56	1001219601	1	Sensor, Tilt Dual Axis CAN	
57	1001271794	1	Bracket, Tilt Sensor	
58	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-44. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND WITH TOWER STOW (CE & UK CA LRC SPECS) (SN 0300298282 to Present)

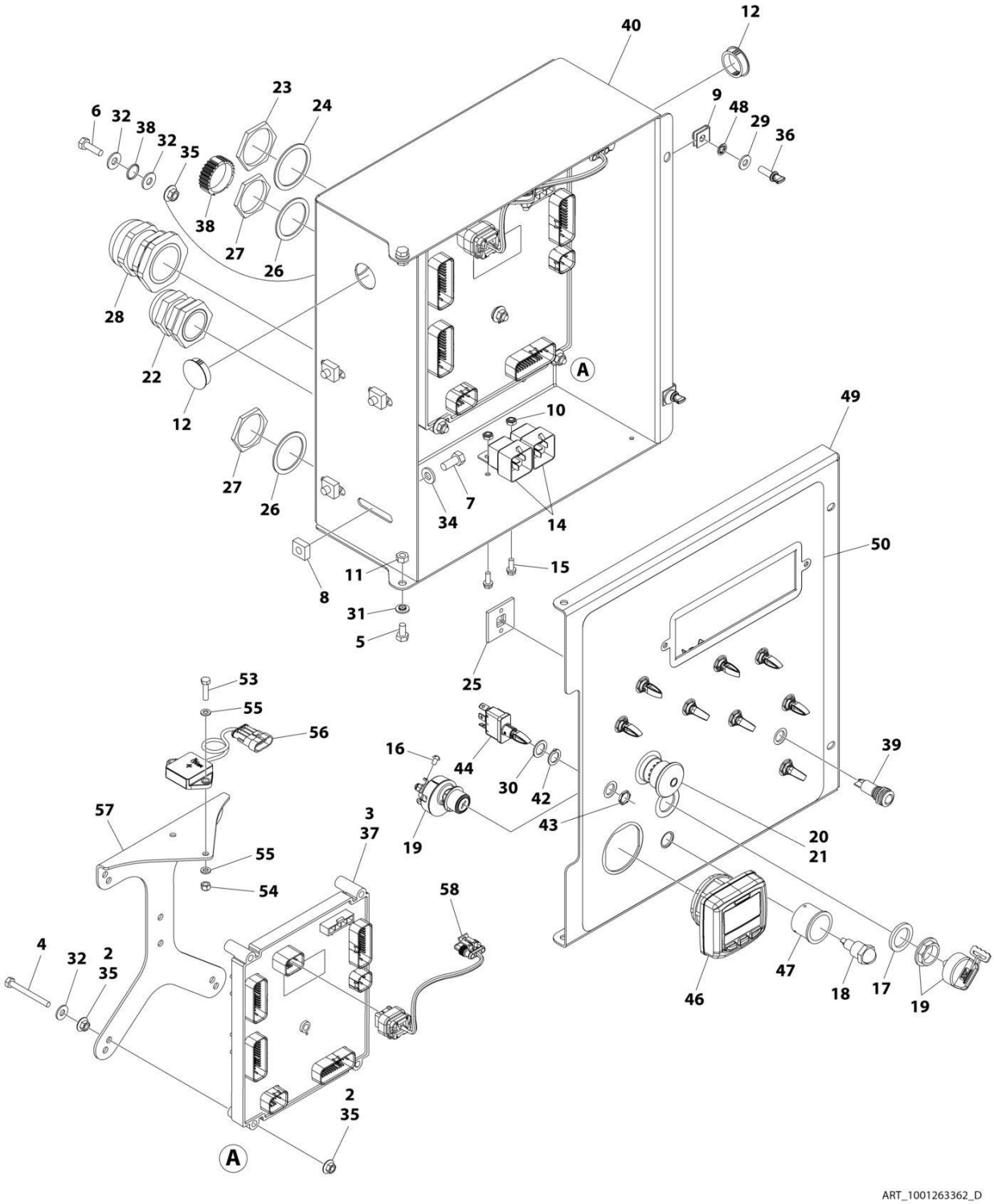


FIGURE 2-44. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ D2011 AND WITH TOWER STOW (CE & UK CA LRC SPECS) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263362	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360387	1	Switch, Push Button	
19	4360469	1	Switch, Key	
19	2860030	1 Set	Key Replacement	
20	4360475	1	Switch, Emergency Stop	
20	7020175	1	Cap, Mushroom	
20	7020176	1	Block, Contact	
21	4360476	1	Switch, Contact Block	
22	4460426	1	Connector, Strain Relief	
23	4460470	1	Nut, Terminal	
24	4460471	1	Lockwasher, Terminal	
25	4460488	6	Mounting Base, Terminal	
26	4460496	2	Washer, Terminal	
27	4460497	2	Nut, Terminal	
28	4460526	1	Connector, Strain Relief	
29	4711400	2	Washer 1/4	
30	4740397	9	Spacer	
31	4740518	2	Washer	
32	4751400	7	Washer 1/4	
34	4891500	4	Washer 5/16	
35	77143013	11	Nut 1/4	
36	1001103308	2	Thumbscrew 1/4 x 3/4	
37	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
38	1001106736	1	Cap, Dust	
39	1001137364	1	Light, Indicator	
40	1001287467	1	Box	
41	1001286032	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32	
44	1001155045	9	Switch, Toggle	
45	1001285016	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001171482	1	Gauge, Display	
47	1001176469	1	Shroud	
48	1001188874	2	Nut	
49	1001263353	1	Lid	
50	1001263355	1	Decal - Ground Control Box	
51	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
53	0760612	2	Bolt M6 x 25	
54	3290605	2	Nut M6	
55	4811700	4	Washer M6	
56	1001219601	1	Sensor, Tilt Dual Axis CAN	
57	1001271794	1	Bracket, Tilt Sensor	
58	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-45. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH DIGITAL DISPLAY (ANSI SPECS)

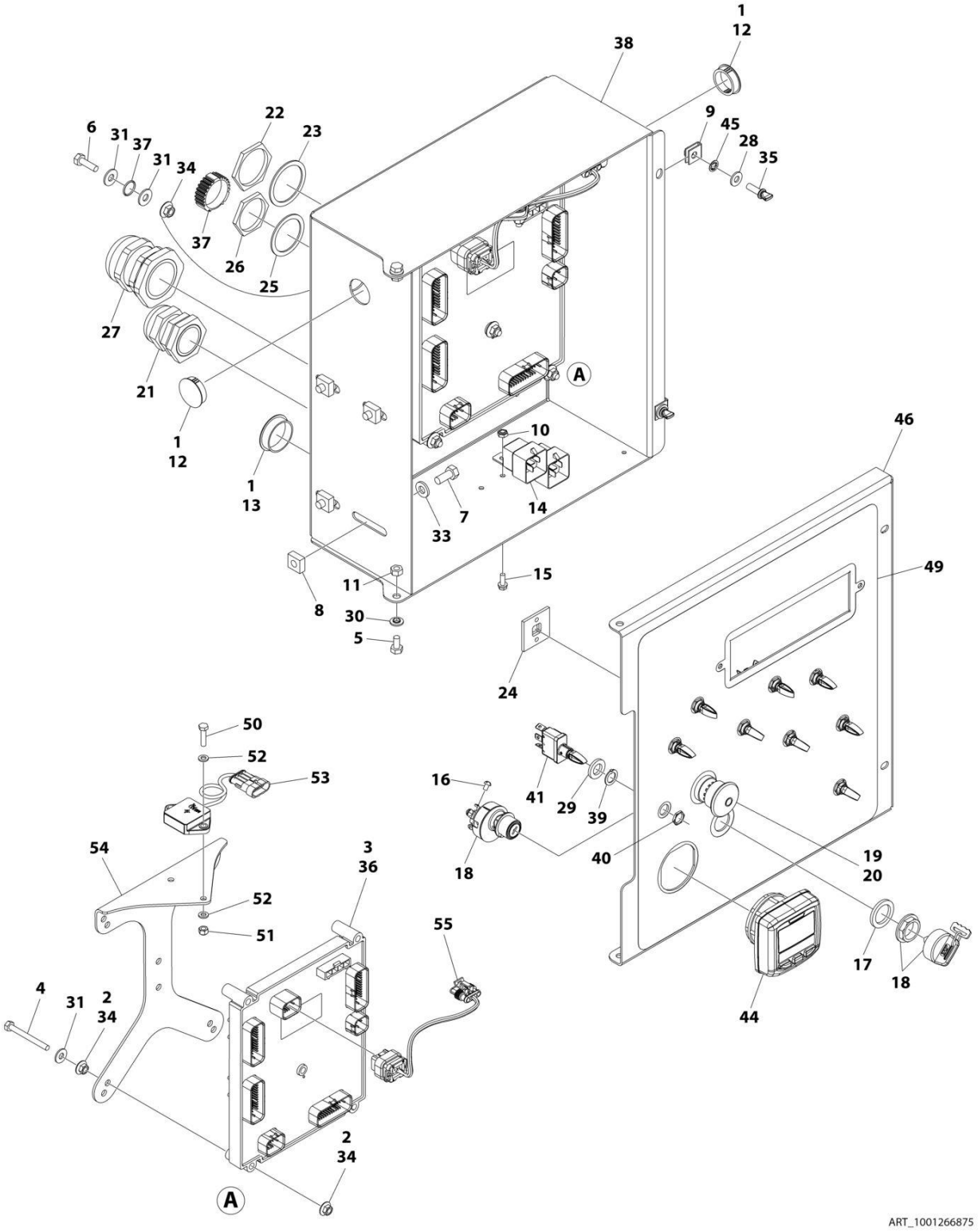


FIGURE 2-45. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH DIGITAL DISPLAY (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266875	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001103667	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
36	1001280600	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001152175	1	Box	
39	1001155043	9	Washer	
40	1001155044	9	Nut 15/32	
41	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001171482	1	Gauge, Display	
45	1001188874	2	Nut	
46	1001263352	1	Lid	
47	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266876	1	Decal - Ground Control Box	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut M6	
52	4811700	4	Washer M6	
53	1001219601	1	Sensor, Tilt Dual Axis CAN	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-46. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI SPECS) (Prior to SN 0300298282)

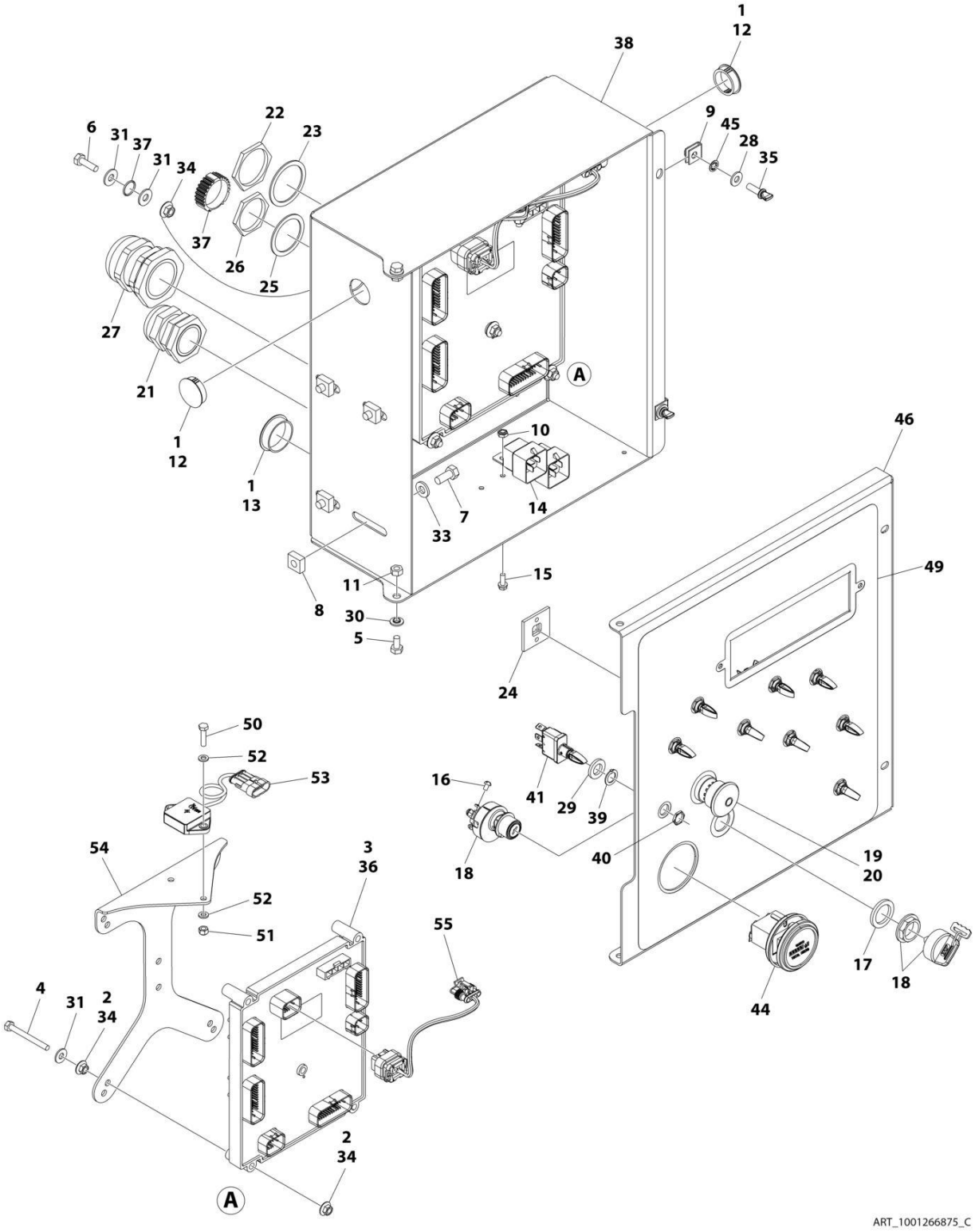


FIGURE 2-46. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI SPECS) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266875	Ref	GROUND CONTROL BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001152175	1	Box	
39	1001155043	9	Washer	
40	1001155044	9	Nut 15/32	
41	1001155045	9	Switch, Toggle	
42	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	
46	1001280403	1	Lid	
47	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266876	1	Decal - Ground Control Box	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut M6	
52	4811700	4	Washer M6	
53	1001219601	1	Sensor, Tilt Dual Axis CAN	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-47. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI SPECS) (SN 0300298282 to Present)

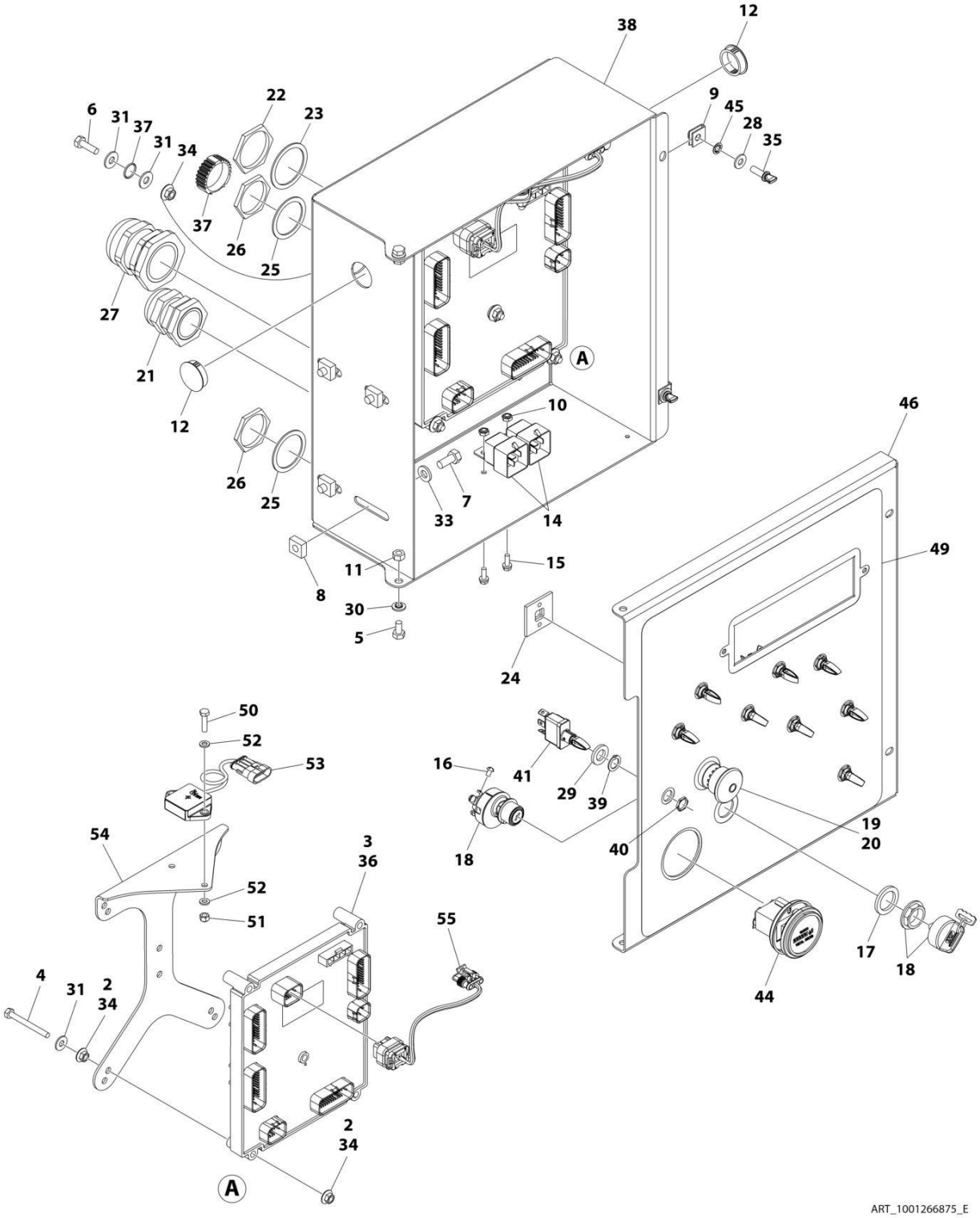


FIGURE 2-47. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 - WITH MECHANICAL HOUR METER (ANSI SPECS) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266875	Ref	GROUND CONTROL BOX ASSEMBLY	E
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001287467	1	Box	
39	1001155043	9	Washer	
40	1001155044	9	Nut 15/32	
41	1001155045	9	Switch, Toggle	
42	1001285369	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001285016	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001280403	1	Lid	
47	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266876	1	Decal - Ground Control Box	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut M6	
52	4811700	4	Washer M6	
53	1001219601	1	Sensor, Tilt Dual Axis CAN	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-48. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 AND TOWER STOW - WITH DIGITAL DISPLAY (ANSI SPECS)

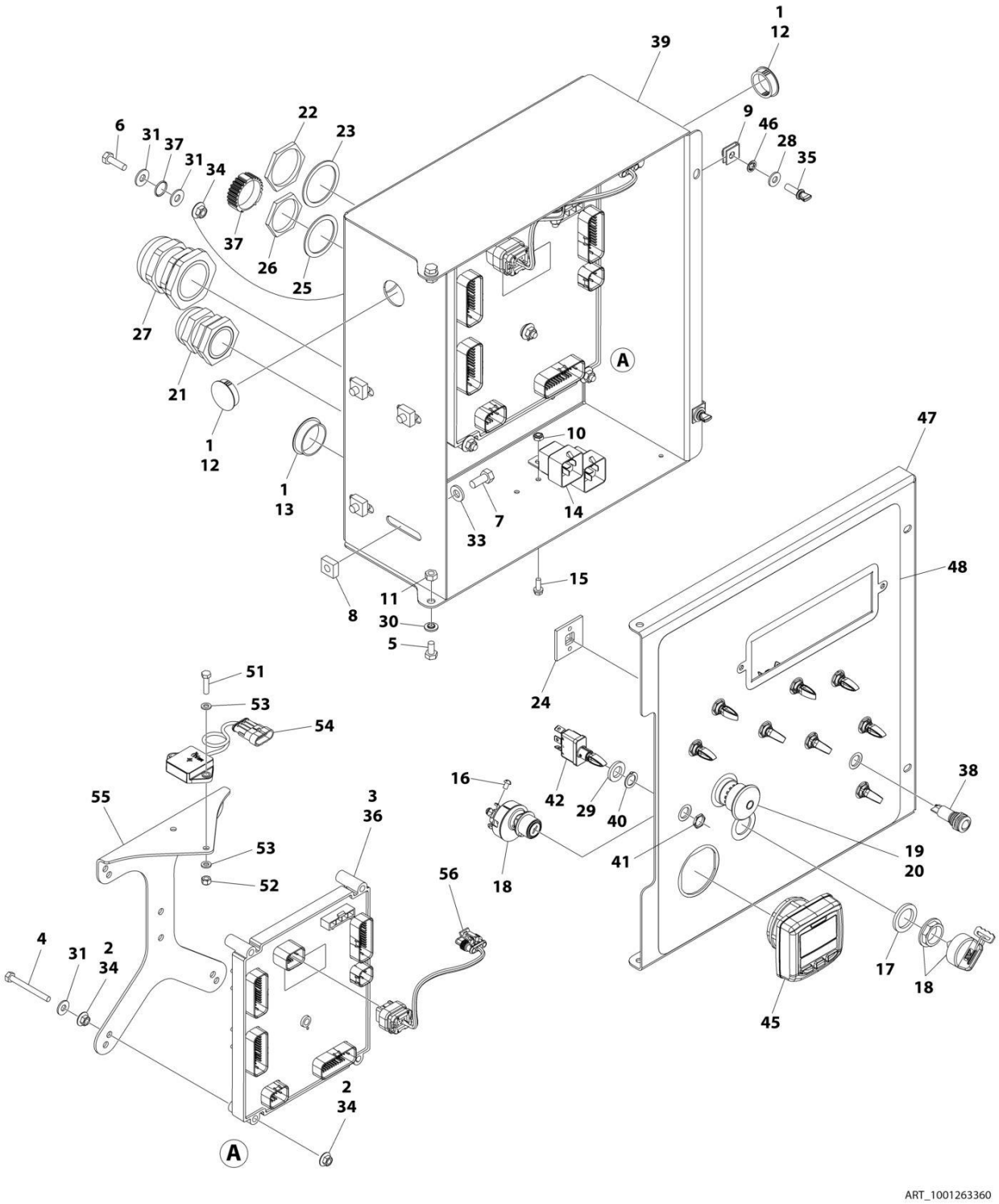


FIGURE 2-48. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 AND TOWER STOW - WITH DIGITAL DISPLAY (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263360	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001103667	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
36	1001280600	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001137364	1	Light, Indicator	
39	1001152175	1	Box	
40	1001155043	9	Washer	
41	1001155044	9	Nut 15/32	
42	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
45	1001171482	1	Gauge, Display	
46	1001188874	2	Nut	
47	1001263352	1	Lid	
48	1001263356	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-49. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI SPECS) (Prior to SN 0300298282)

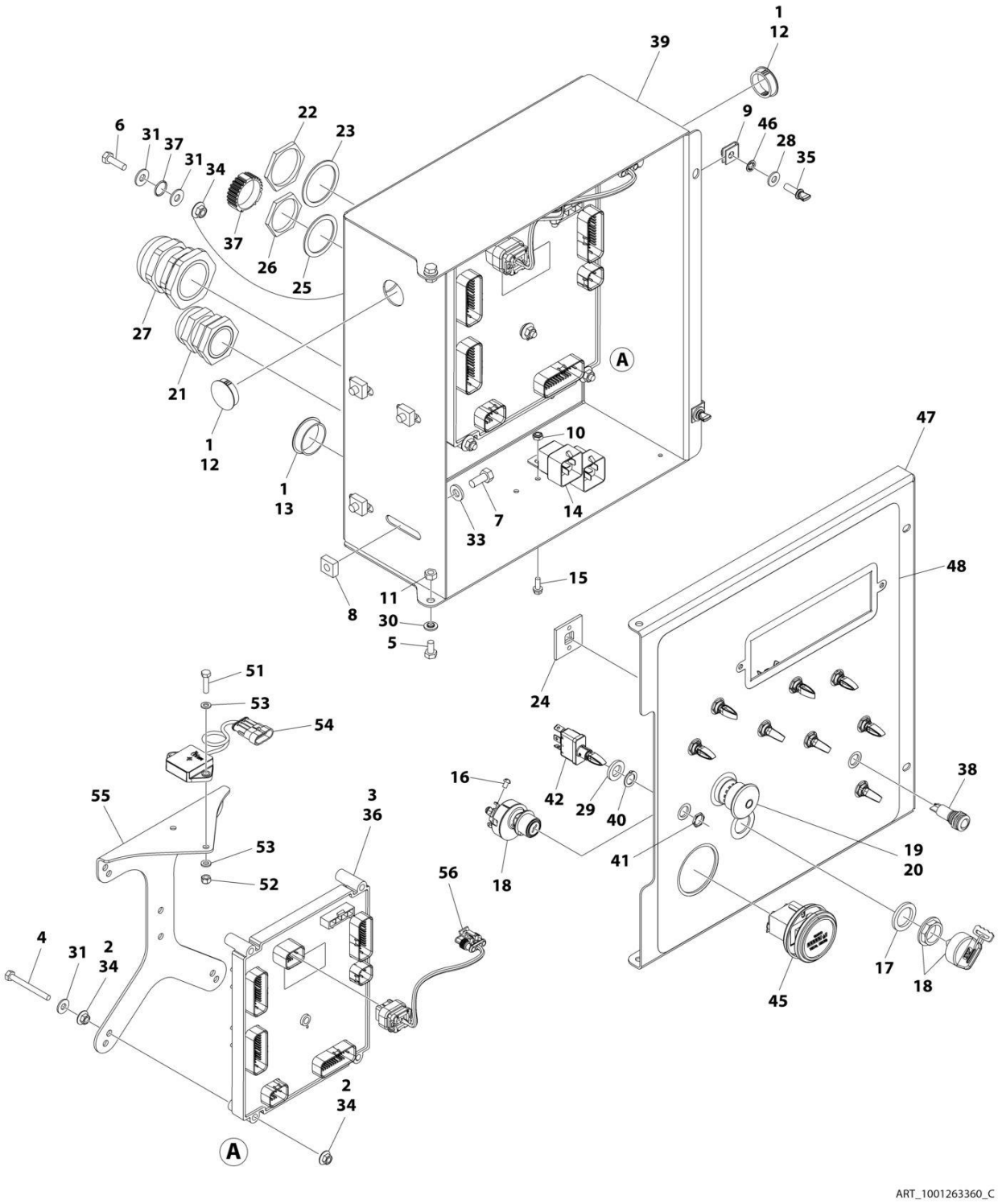


FIGURE 2-49. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI SPECS) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263360	Ref	GROUND CONTROL BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001137364	1	Light, Indicator	
39	1001152175	1	Box	
40	1001155043	9	Washer	
41	1001155044	9	Nut 15/32	
42	1001155045	9	Switch, Toggle	
43	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
45	10836804	1	Hour Meter	
46	1001188874	2	Nut	
47	1001280403	1	Lid	
48	1001263356	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-50. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI SPECS) (SN 0300298282 to Present)

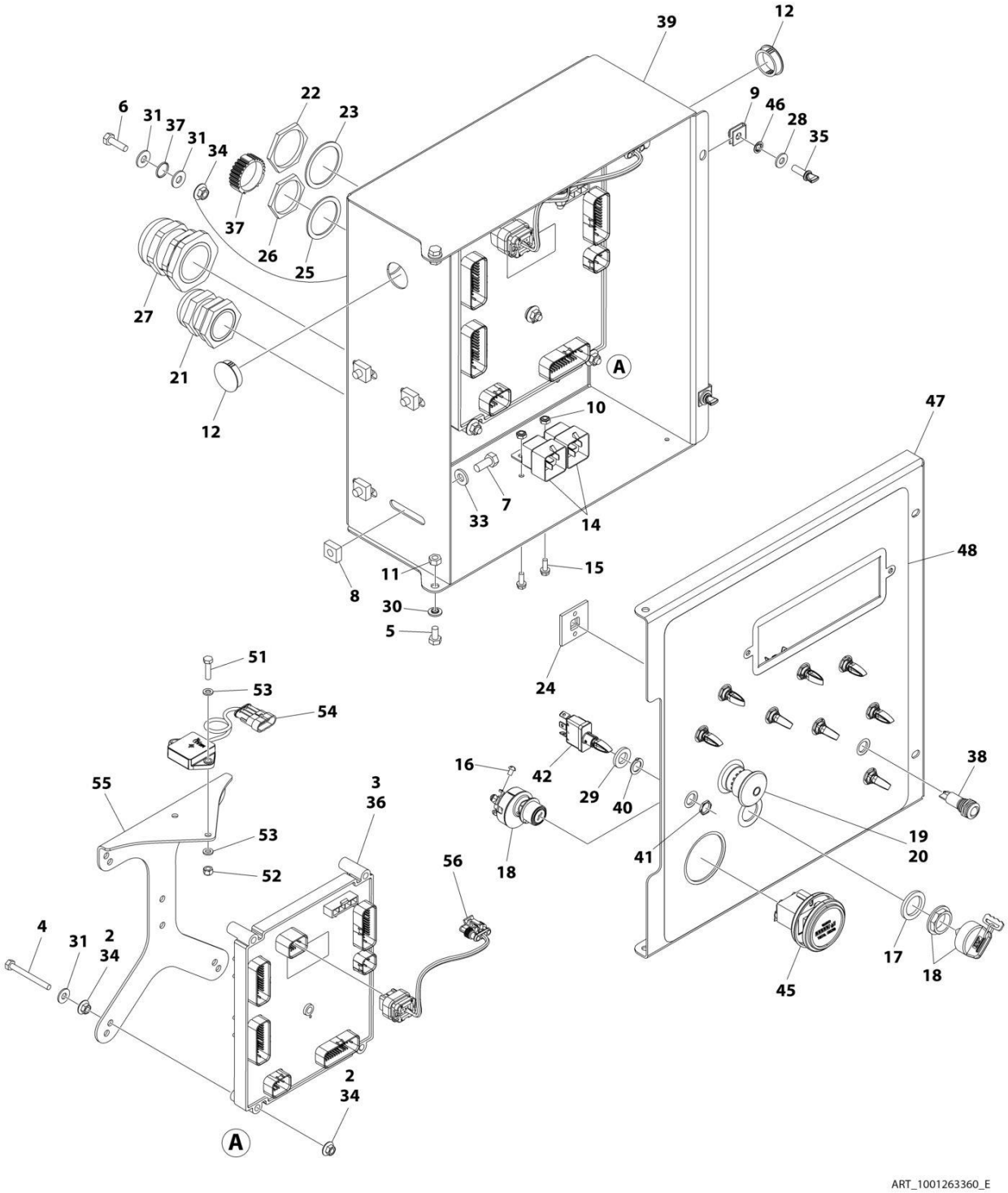


FIGURE 2-50. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 AND TOWER STOW - WITH MECHANICAL HOUR METER (ANSI SPECS) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263360	Ref	GROUND CONTROL BOX ASSEMBLY	E
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001137364	1	Light, Indicator	
39	1001287467	1	Box	
40	1001155043	9	Washer	
41	1001155044	9	Nut 15/32	
42	1001155045	9	Switch, Toggle	
43	1001285369	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001285016	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
45	10836804	1	Hour Meter	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001188874	2	Nut	
47	1001280403	1	Lid	
48	1001263356	1	Decal - Ground Control Box	
49	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-51. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (Prior to SN 0300298282)

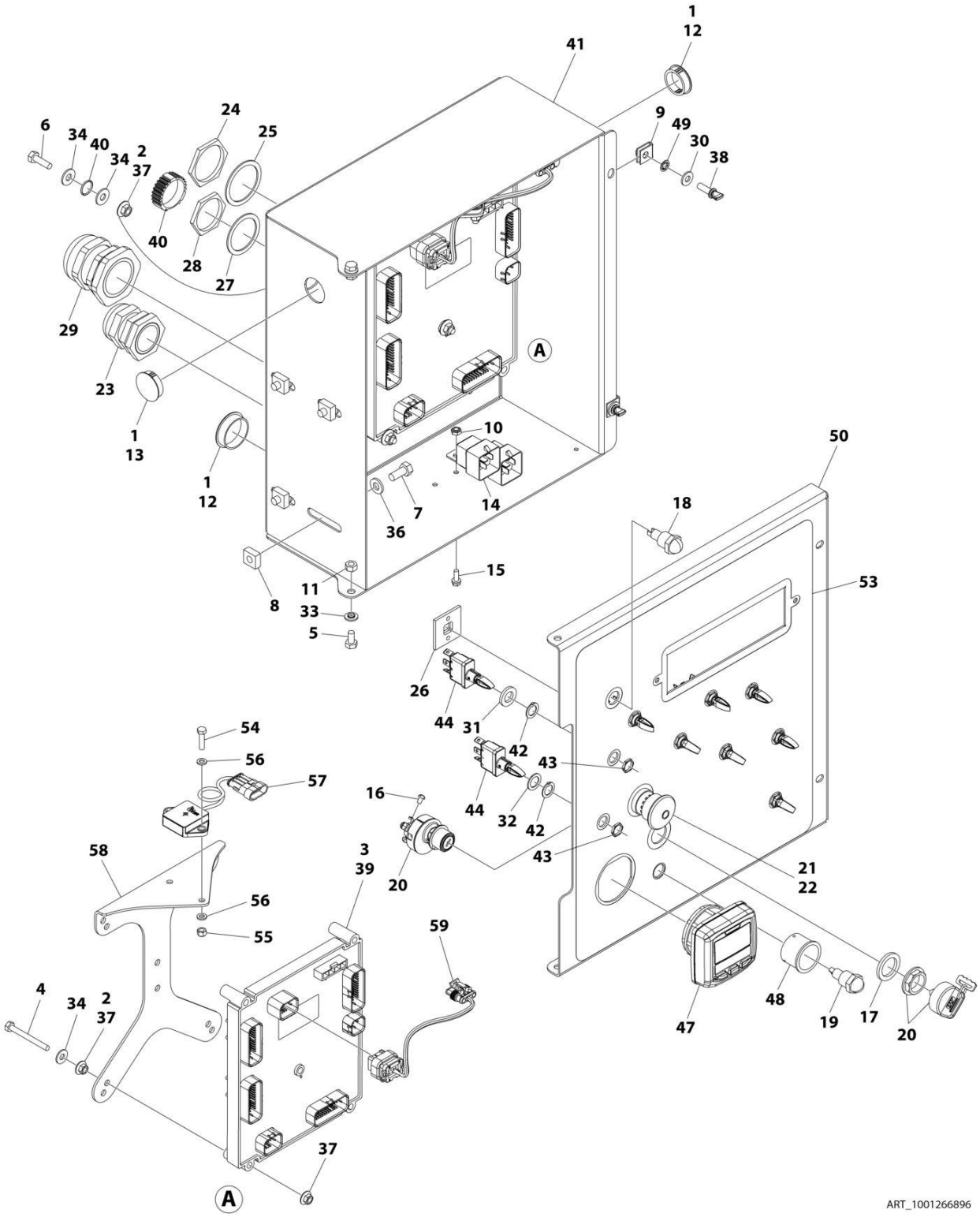


FIGURE 2-51. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266896	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360274	1	Switch, Push Button	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1 Set	Key Replacement	
21	4360475	1	Switch, Emergency Stop	
21	7020175	1	Cap, Mushroom	
21	7020176	1	Block, Contact	
22	4360476	1	Switch, Contact Block	
23	4460426	1	Connector, Strain Relief	
24	4460470	1	Nut, Terminal	
25	4460471	1	Lockwasher, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	1	Washer, Terminal	
28	4460497	1	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4711400	2	Washer 1/4	
31	4740397	8	Spacer	
32	4740444	1	Washer	
33	4740518	2	Washer	
34	4751400	7	Washer 1/4	
36	4891500	4	Washer 5/16	
37	77143013	11	Nut 1/4	
38	1001103308	2	Thumbscrew 1/4 x 3/4	
39	1001103667	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
40	1001106736	1	Cap, Dust	
41	1001152175	1	Box	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32	
44	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
46	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001171482	1	Gauge, Display	
48	1001176469	1	Shroud	
49	1001188874	2	Nut	
50	1001263353	1	Lid	
51	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
53	1001266878	1	Decal - Ground Control Box	
54	0760612	2	Bolt M6 x 25	
55	3290605	2	Nut M6	
56	4811700	4	Washer M6	
57	1001219601	1	Sensor, Tilt Dual Axis CAN	
58	1001271794	1	Bracket, Tilt Sensor	
59	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-52. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (SN 0300298282 to Present)

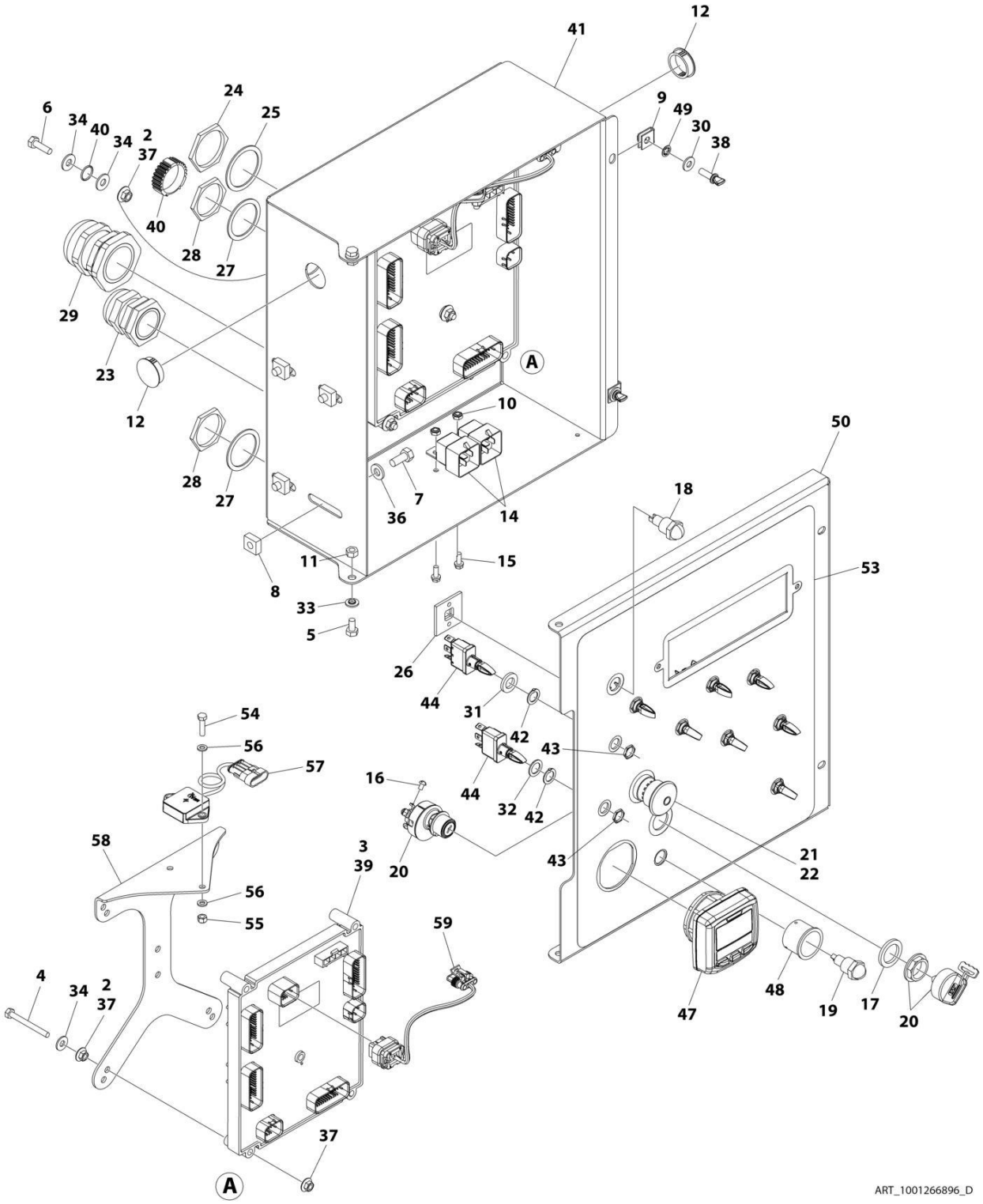


FIGURE 2-52. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) (CE & UK CA SPECS) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266896	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360274	1	Switch, Push Button	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1 Set	Key Replacement	
21	4360475	1	Switch, Emergency Stop	
21	7020175	1	Cap, Mushroom	
21	7020176	1	Block, Contact	
22	4360476	1	Switch, Contact Block	
23	4460426	1	Connector, Strain Relief	
24	4460470	1	Nut, Terminal	
25	4460471	1	Lockwasher, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	2	Washer, Terminal	
28	4460497	2	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4711400	2	Washer 1/4	
31	4740397	8	Spacer	
32	4740444	1	Washer	
33	4740518	2	Washer	
34	4751400	7	Washer 1/4	
36	4891500	4	Washer 5/16	
37	77143013	11	Nut 1/4	
38	1001103308	2	Thumbscrew 1/4 x 3/4	
39	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
40	1001106736	1	Cap, Dust	
41	1001287467	1	Box	
42	1001155043	9	Washer	
43	1001155044	9	Nut 15/32	
44	1001155045	9	Switch, Toggle	
45	1001285369	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001285016	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001171482	1	Gauge, Display	
48	1001176469	1	Shroud	
49	1001188874	2	Nut	
50	1001263353	1	Lid	
51	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
53	1001266878	1	Decal - Ground Control Box	
54	0760612	2	Bolt M6 x 25	
55	3290605	2	Nut M6	
56	4811700	4	Washer M6	
57	1001219601	1	Sensor, Tilt Dual Axis CAN	
58	1001271794	1	Bracket, Tilt Sensor	
59	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-53. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) AND WITH TOWER STOW (CE & UK CA SPECS) (Prior to SN 0300298282)

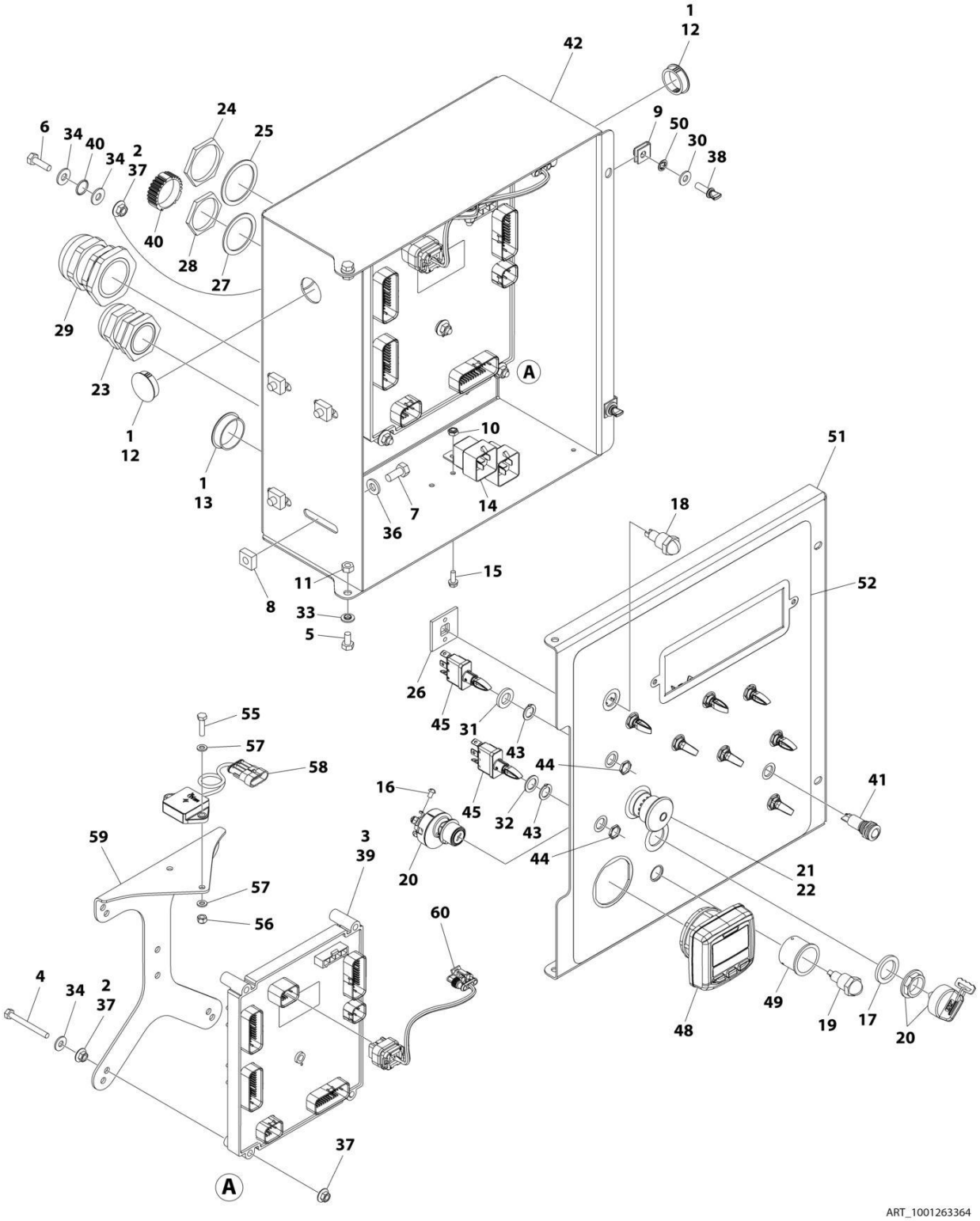


FIGURE 2-53. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) AND WITH TOWER STOW (CE & UK CA SPECS) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263364	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360274	1	Switch, Push Button	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1 Set	Key Replacement	
21	4360475	1	Switch, Emergency Stop	
21	7020175	1	Cap, Mushroom	
21	7020176	1	Block, Contact	
22	4360476	1	Switch, Contact Block	
23	4460426	1	Connector, Strain Relief	
24	4460470	1	Nut, Terminal	
25	4460471	1	Lockwasher, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	1	Washer, Terminal	
28	4460497	1	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4711400	2	Washer 1/4	
31	4740397	8	Spacer	
32	4740444	1	Washer	
33	4740518	2	Washer	
34	4751400	7	Washer 1/4	
36	4891500	4	Washer 5/16	
37	77143013	11	Nut 1/4	
38	1001103308	2	Thumbscrew 1/4 x 3/4	
39	1001103667	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
40	1001106736	1	Cap, Dust	
41	1001137364	1	Light, Indicator	
42	1001152175	1	Box	
43	1001155043	9	Washer	
44	1001155044	9	Nut 15/32	
45	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001165776	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001171482	1	Gauge, Display	
49	1001176469	1	Shroud	
50	1001188874	2	Nut	
51	1001263353	1	Lid	
52	1001263357	1	Decal - Ground Control Box	
53	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
55	0760612	2	Bolt M6 x 25	
56	3290605	2	Nut M6	
57	4811700	4	Washer M6	
58	1001219601	1	Sensor, Tilt Dual Axis CAN	
59	1001271794	1	Bracket, Tilt Sensor	
60	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-54. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) AND WITH TOWER STOW (CE & UK CA SPECS) (SN 0300298282 to Present)

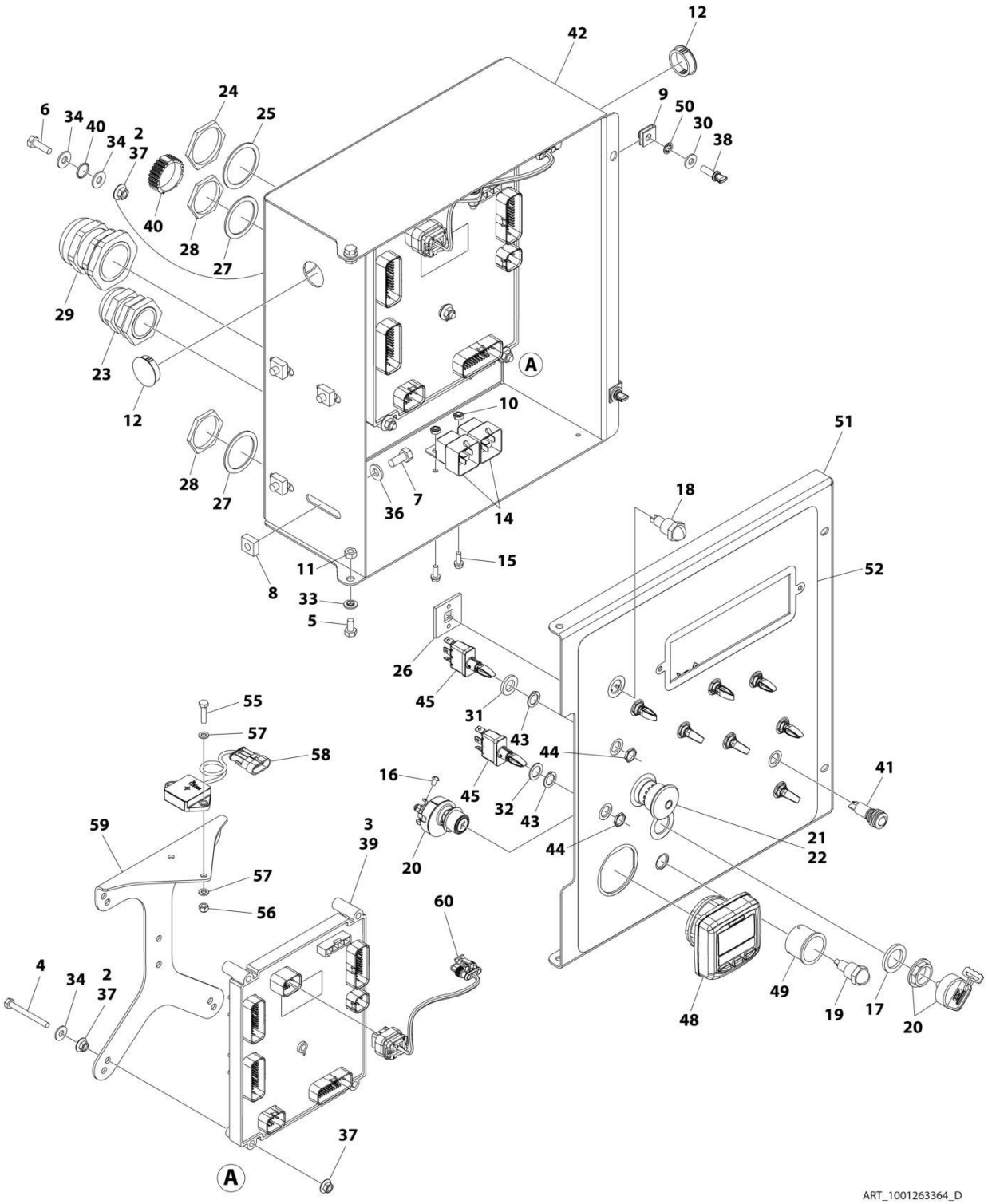


FIGURE 2-54. GROUND CONTROL BOX ASSEMBLY - WITH DEUTZ TD2.9L4 (STAGE V) AND WITH TOWER STOW (CE & UK CA SPECS) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263364	Ref	GROUND CONTROL BOX ASSEMBLY	D
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360274	1	Switch, Push Button	
19	4360387	1	Switch, Push Button	
20	4360469	1	Switch, Key	
20	2860030	1 Set	Key Replacement	
21	4360475	1	Switch, Emergency Stop	
21	7020175	1	Cap, Mushroom	
21	7020176	1	Block, Contact	
22	4360476	1	Switch, Contact Block	
23	4460426	1	Connector, Strain Relief	
24	4460470	1	Nut, Terminal	
25	4460471	1	Lockwasher, Terminal	
26	4460488	6	Mounting Base, Terminal	
27	4460496	2	Washer, Terminal	
28	4460497	2	Nut, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4711400	2	Washer 1/4	
31	4740397	8	Spacer	
32	4740444	1	Washer	
33	4740518	2	Washer	
34	4751400	7	Washer 1/4	
36	4891500	4	Washer 5/16	
37	77143013	11	Nut 1/4	
38	1001103308	2	Thumbscrew 1/4 x 3/4	
39	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
40	1001106736	1	Cap, Dust	
41	1001137364	1	Light, Indicator	
42	1001287467	1	Box	
43	1001155043	9	Washer	
44	1001155044	9	Nut 15/32	
45	1001155045	9	Switch, Toggle	
46	1001285369	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001285016	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
48	1001171482	1	Gauge, Display	
49	1001176469	1	Shroud	
50	1001188874	2	Nut	
51	1001263353	1	Lid	
52	1001263357	1	Decal - Ground Control Box	
53	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
55	0760612	2	Bolt M6 x 25	
56	3290605	2	Nut M6	
57	4811700	4	Washer M6	
58	1001219601	1	Sensor, Tilt Dual Axis CAN	
59	1001271794	1	Bracket, Tilt Sensor	
60	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-55. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES - WITH DIGITAL DISPLAY

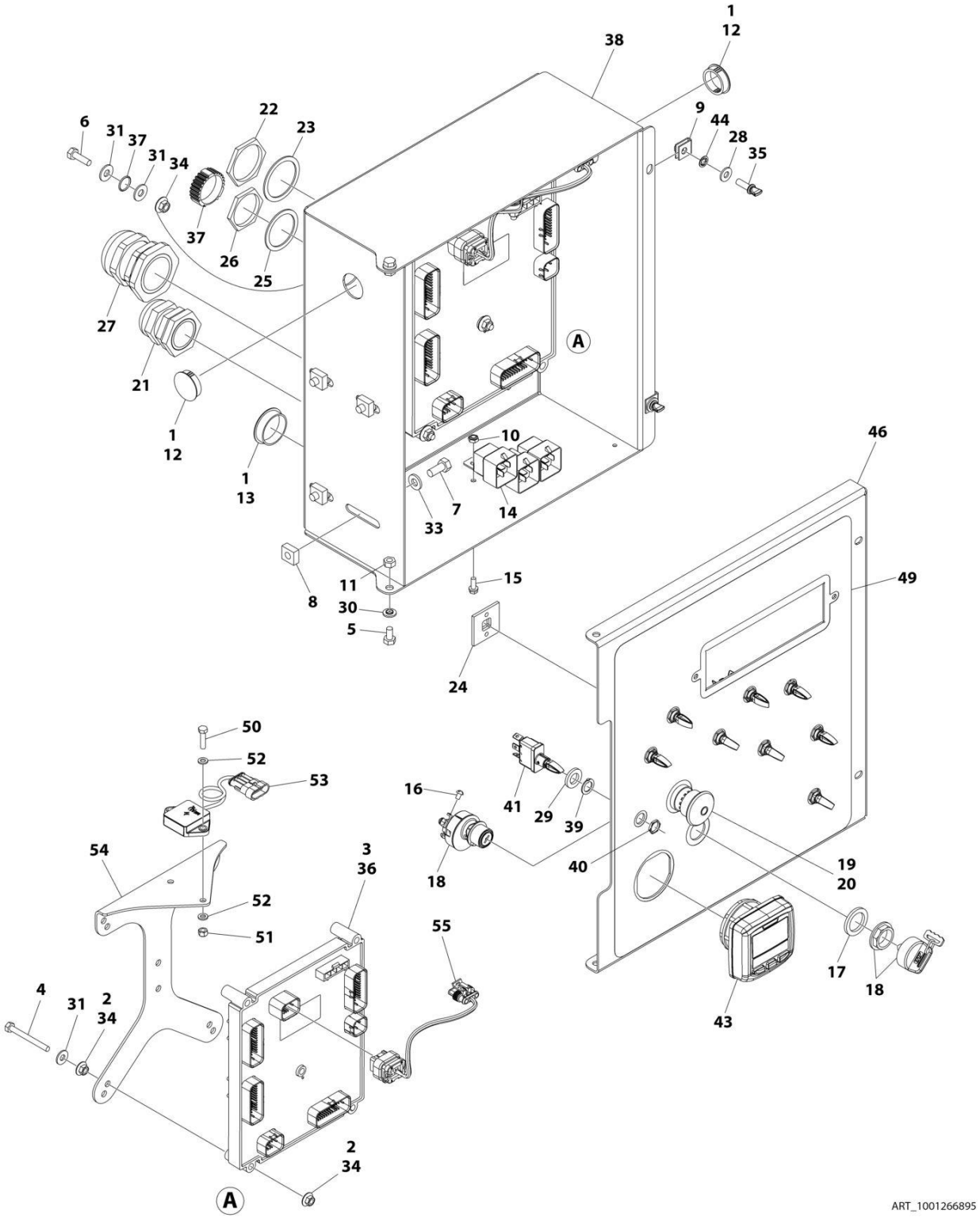


FIGURE 2-55. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES - WITH DIGITAL DISPLAY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266895	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001103667	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
36	1001280600	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001152175	1	Box	
39	1001155043	9	Washer	
40	1001155044	9	Nut 15/32	
41	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	1001171482	1	Gauge, Display	
44	1001188874	2	Nut	
45	1001216230	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
46	1001263352	1	Lid	
47	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266876	1	Decal - Ground Control Box	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut M6	
52	4811700	4	Washer M6	
53	1001219601	1	Sensor, Tilt Dual Axis CAN	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-56. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES - WITH MECHANICAL HOUR METER (Prior to SN 0300298282)

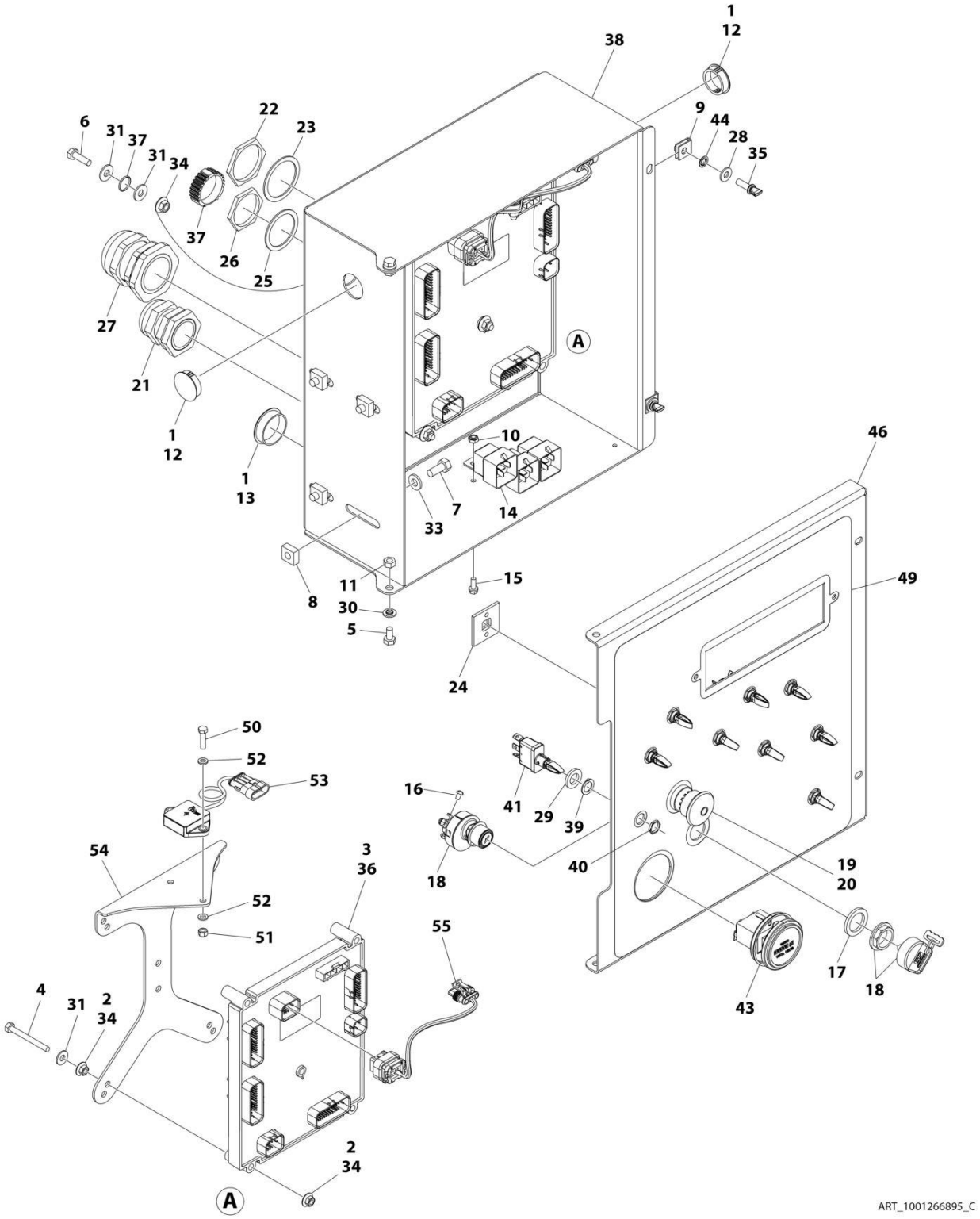


FIGURE 2-56. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES - WITH MECHANICAL HOUR METER (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266895	Ref	GROUND CONTROL BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001152175	1	Box	
39	1001155043	9	Washer	
40	1001155044	9	Nut 15/32	
41	1001155045	9	Switch, Toggle	
42	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	10836804	1	Hour Meter	
44	1001188874	2	Nut	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001216230	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
46	1001280403	1	Lid	
47	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266876	1	Decal - Ground Control Box	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut M6	
52	4811700	4	Washer M6	
53	1001219601	1	Sensor, Tilt Dual Axis CAN	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-57. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES - WITH MECHANICAL HOUR METER (SN 0300298282 to Present)

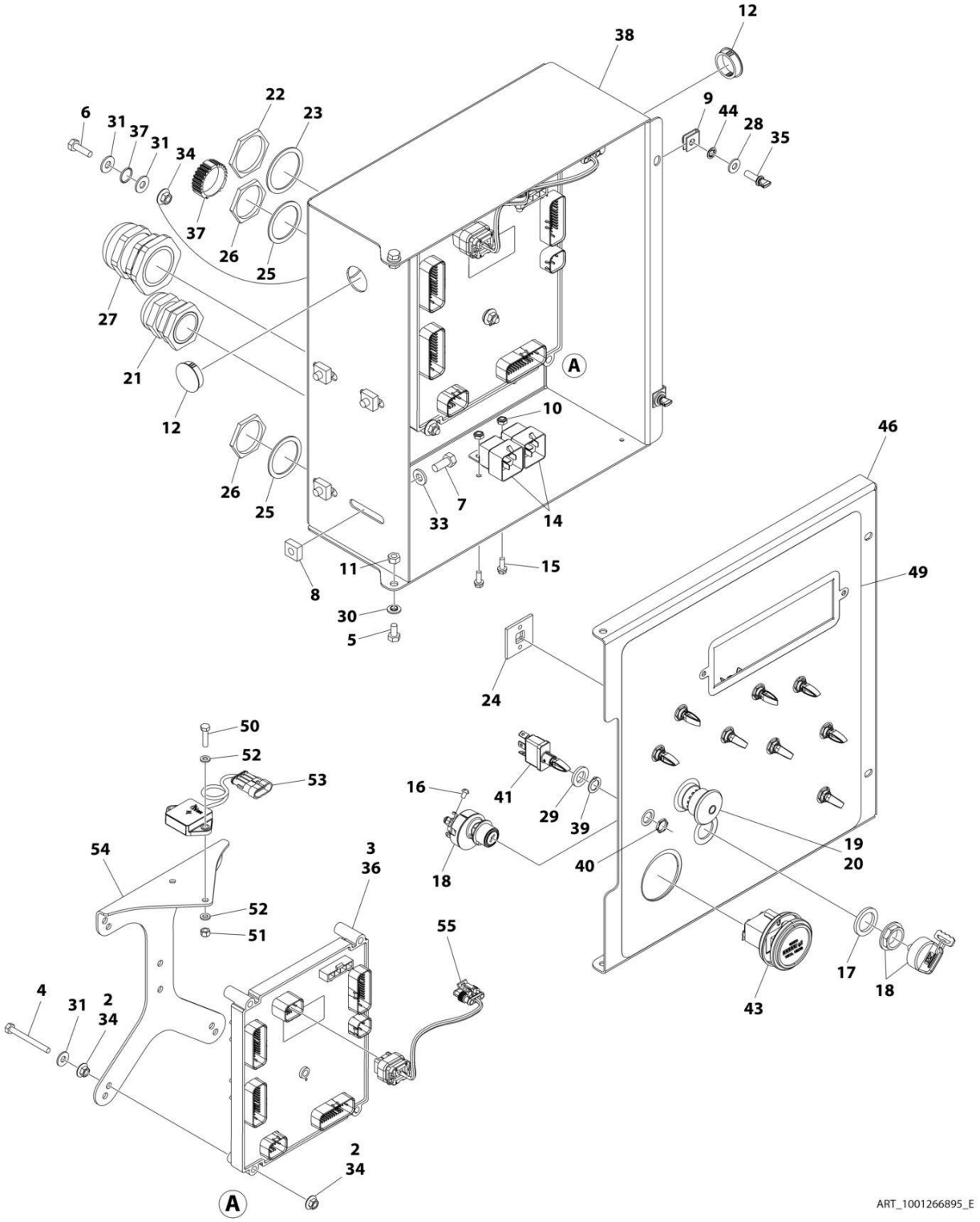


FIGURE 2-57. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES - WITH MECHANICAL HOUR METER (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266895	Ref	GROUND CONTROL BOX ASSEMBLY	E
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10 x 1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001287467	1	Box	
39	1001155043	9	Washer	
40	1001155044	9	Nut 15/32	
41	1001155045	9	Switch, Toggle	
42	1001285016	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
43	10836804	1	Hour Meter	
44	1001188874	2	Nut	
45	1001286033	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001280403	1	Lid	
47	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
49	1001266876	1	Decal - Ground Control Box	
50	0760612	2	Bolt M6 x 25	
51	3290605	2	Nut M6	
52	4811700	4	Washer M6	
53	1001219601	1	Sensor, Tilt Dual Axis CAN	
54	1001271794	1	Bracket, Tilt Sensor	
55	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-58. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES AND TOWER STOW - WITH DIGITAL DISPLAY

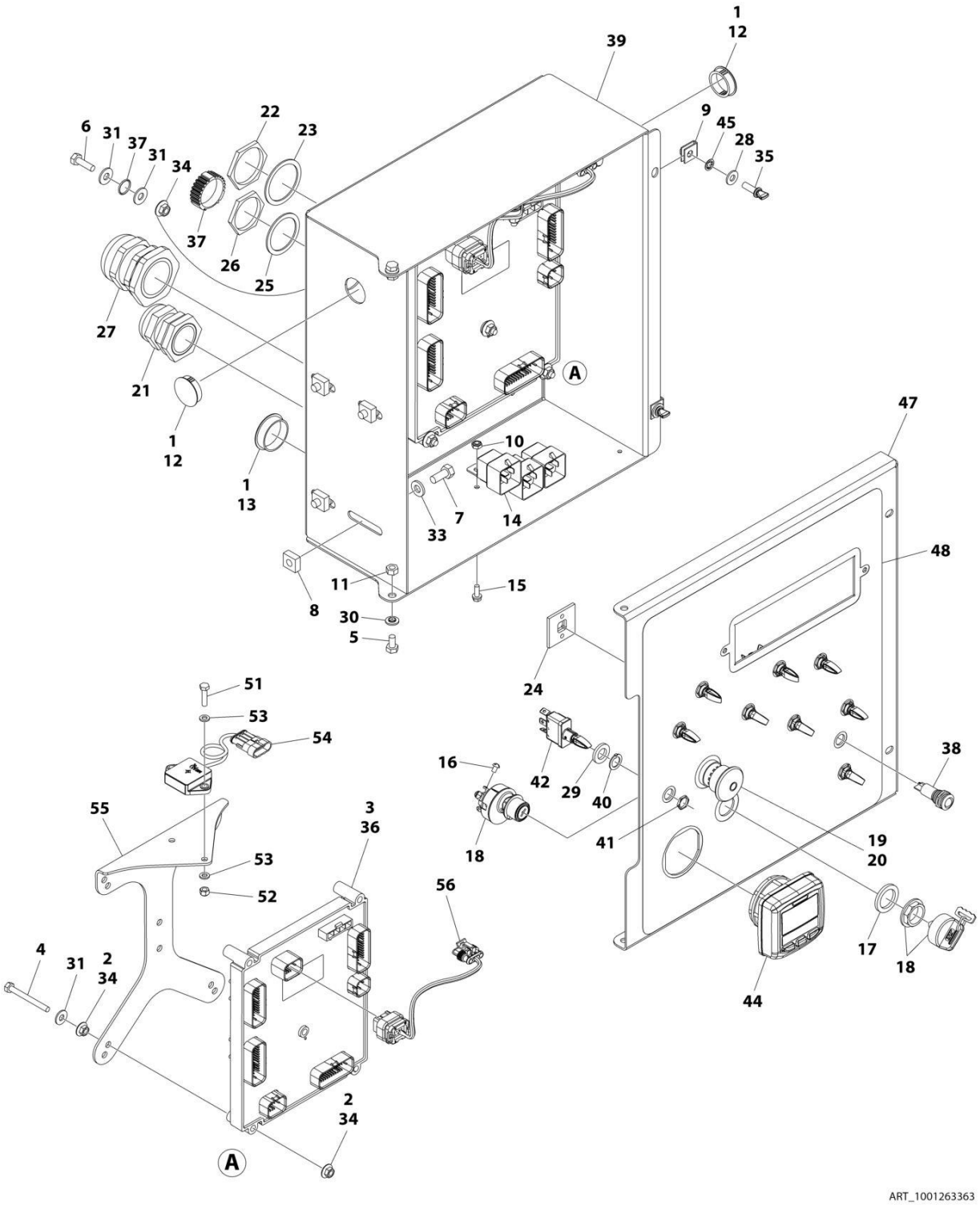


FIGURE 2-58. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES AND TOWER STOW - WITH DIGITAL DISPLAY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263363	Ref	GROUND CONTROL BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001103667	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
36	1001280600	1	Module, Ground Control (Please Verify Part Number on Module Decal Before Purchasing) (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001137364	1	Light, Indicator	
39	1001152175	1	Box	
40	1001155043	9	Washer	
41	1001155044	9	Nut 15/32	
42	1001155045	9	Switch, Toggle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	1001171482	1	Gauge, Display	
45	1001188874	2	Nut	
46	1001216230	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001263352	1	Lid	
48	1001263356	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-59. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES AND TOWER STOW - WITH MECHANICAL HOUR METER (Prior to SN 0300298282)

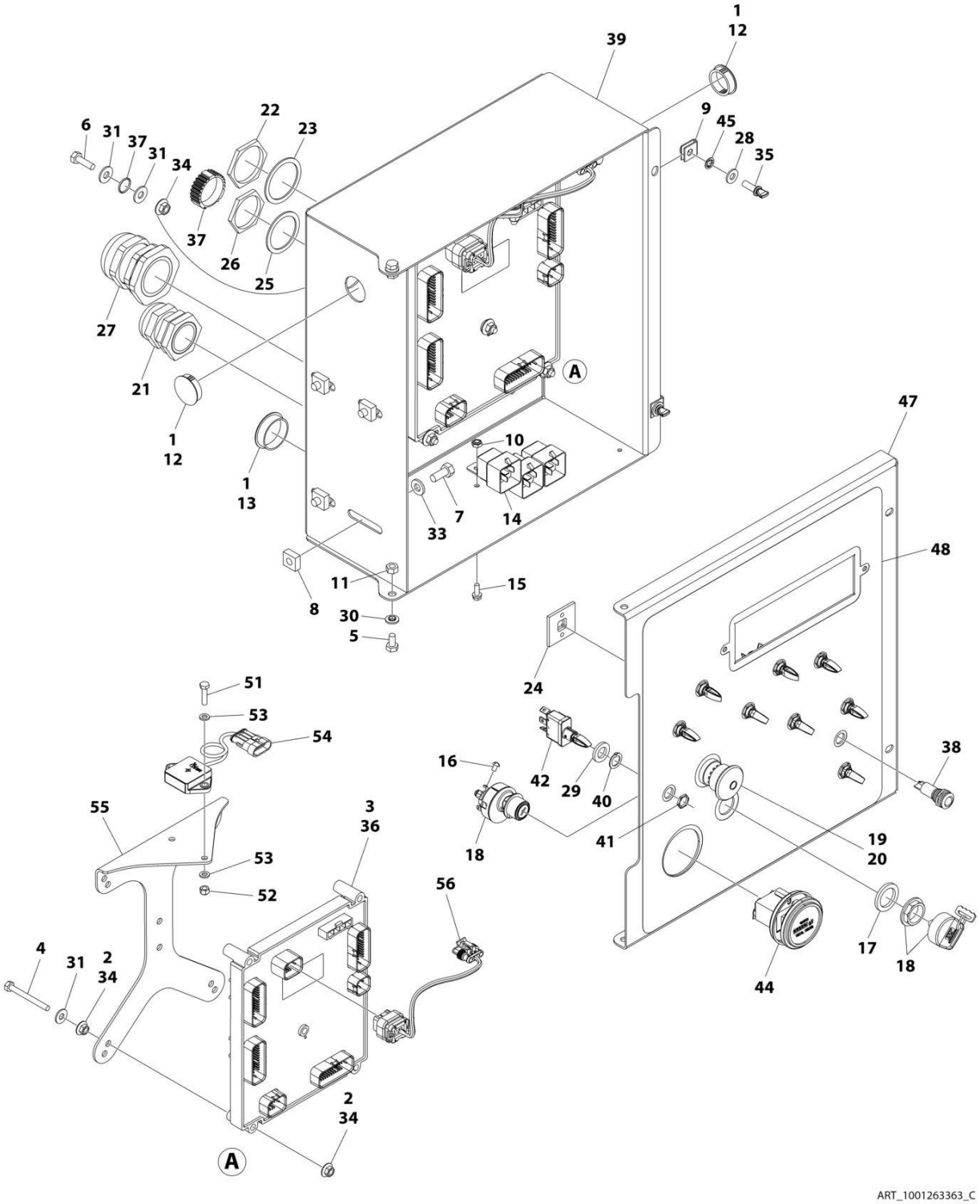


FIGURE 2-59. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES AND TOWER STOW - WITH MECHANICAL HOUR METER (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263363	Ref	GROUND CONTROL BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	3	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
13	3520035	1	Plug	
14	3740049	3	Relay	
15	3900268	3	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001137364	1	Light, Indicator	
39	1001152175	1	Box	
40	1001155043	9	Washer	
41	1001155044	9	Nut 15/32	
42	1001155045	9	Switch, Toggle	
43	1001170808	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	10836804	1	Hour Meter	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001188874	2	Nut	
46	1001216230	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Lid	
48	1001263356	1	Decal - Ground Control Box	
49	1001266628	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-60. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES AND TOWER STOW - WITH MECHANICAL HOUR METER (SN 0300298282 to Present)

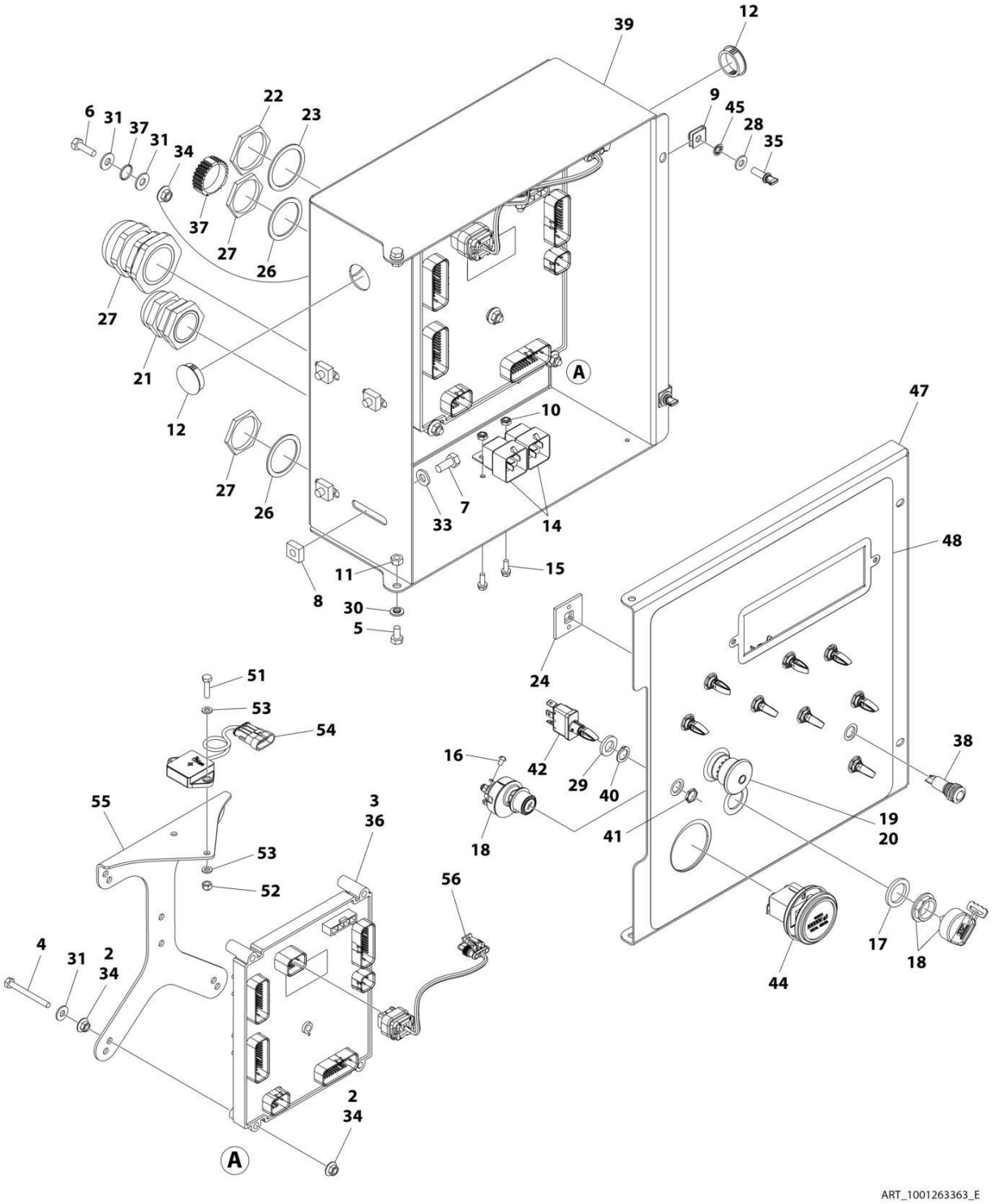


FIGURE 2-60. GROUND CONTROL BOX ASSEMBLY - WITH FORD ENGINES AND TOWER STOW - WITH MECHANICAL HOUR METER (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263363	Ref	GROUND CONTROL BOX ASSEMBLY	E
2	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0630548	5	Bolt 2-1/2	
5	0641404	2	Bolt 1/4 x 1/2	
6	0641407	1	Bolt 1/4 x 7/8	
7	0641506	4	Bolt 5/16 x 3/4	
8	3300205	4	Nut, Retainer	
9	3300353	2	Nut, Tinnerman	
10	3300408	2	Nut, Nylon Insert	
11	3311405	2	Nut 1/4	
12	3520031	2	Plug	
14	3740049	2	Relay	
15	3900268	2	Screw #10x1/2	
16	3910804	6	Screw #8 x 1/4	
17	4070991	1	Shim	
18	4360469	1	Switch, Key	
18	2860030	1 Set	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19	7020175	1	Cap, Mushroom	
19	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	1	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	6	Mounting Base, Terminal	
25	4460496	2	Washer, Terminal	
26	4460497	2	Nut, Terminal	
27	4460526	1	Connector, Strain Relief	
28	4711400	2	Washer 1/4	
29	4740397	9	Spacer	
30	4740518	2	Washer	
31	4751400	7	Washer 1/4	
33	4891500	4	Washer 5/16	
34	77143013	11	Nut 1/4	
35	1001103308	2	Thumbscrew 1/4 x 3/4	
36	1001280600	1	Module, Ground Control (Note: Recalibration Required When Replaced)	
37	1001106736	1	Cap, Dust	
38	1001137364	1	Light, Indicator	
39	1001287467	1	Box	
40	1001155043	9	Washer	
41	1001155044	9	Nut 15/32	
42	1001155045	9	Switch, Toggle	
43	1001285016	1	Control Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
44	10836804	1	Hour Meter	
45	1001188874	2	Nut	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001286033	1	Engine Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
47	1001280403	1	Lid	
48	1001263356	1	Decal - Ground Control Box	
49	1001285346	1	Ground Control Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
51	0760612	2	Bolt M6 x 25	
52	3290605	2	Nut M6	
53	4811700	4	Washer M6	
54	1001219601	1	Sensor, Tilt Dual Axis CAN	
55	1001271794	1	Bracket, Tilt Sensor	
56	1001276143	1	Harness, Tilt Sensor	

FIGURE 2-61. LIGHT PANEL INSTALLATION

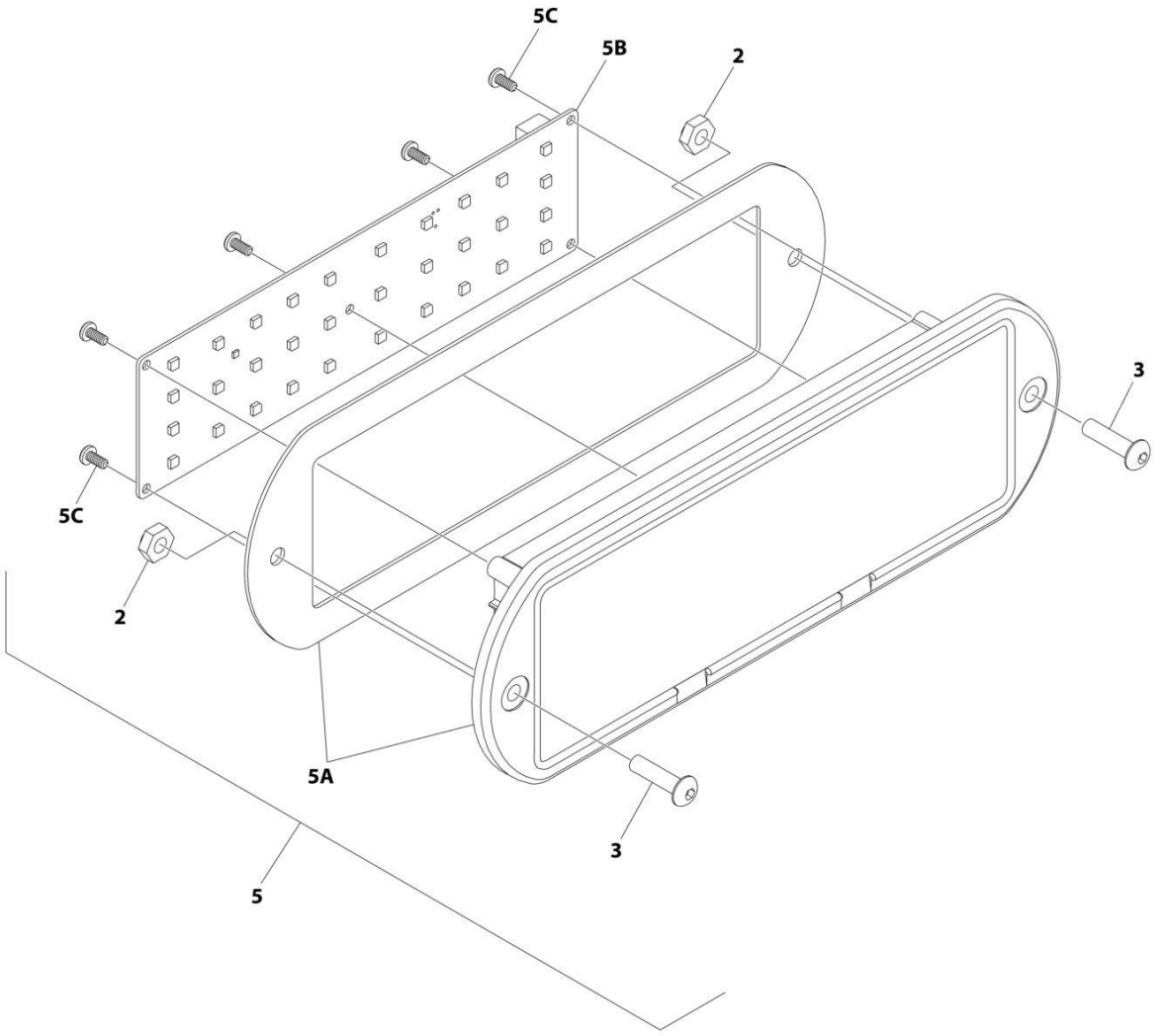
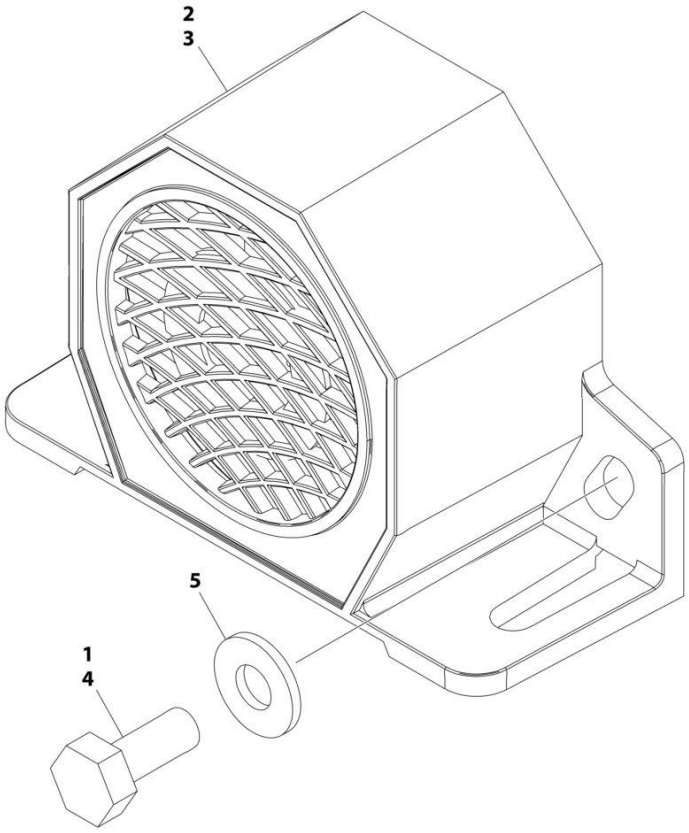


FIGURE 2-61. LIGHT PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241403	Ref	LIGHT PANEL INSTALLATION - GROUND CONTROL	E
2	3300408	2	Nut, Nylon Insert	
3	0630518	2	Screw #10 x 3/4	
5	1001237547	1	Light Panel Assembly	J
5A	1001281703	1	Lens Assembly (Includes Housing Shell, Decal/Lens with Icons & Gasket)	
5B	1001282106	1	Panel, LED Light	
5C		Ref	Screw	

FIGURE 2-62. ALARM INSTALLATION



ART_1001158364

FIGURE 2-62. ALARM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158364	Ref	ALARM INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0140044	1	Alarm	
4	0641405	2	Bolt 1/4 x 5/8	
5	4711400	2	Washer 1/4	

FIGURE 2-63. WHITE NOISE ALARM INSTALLATION - ADJUSTABLE AMBIENT

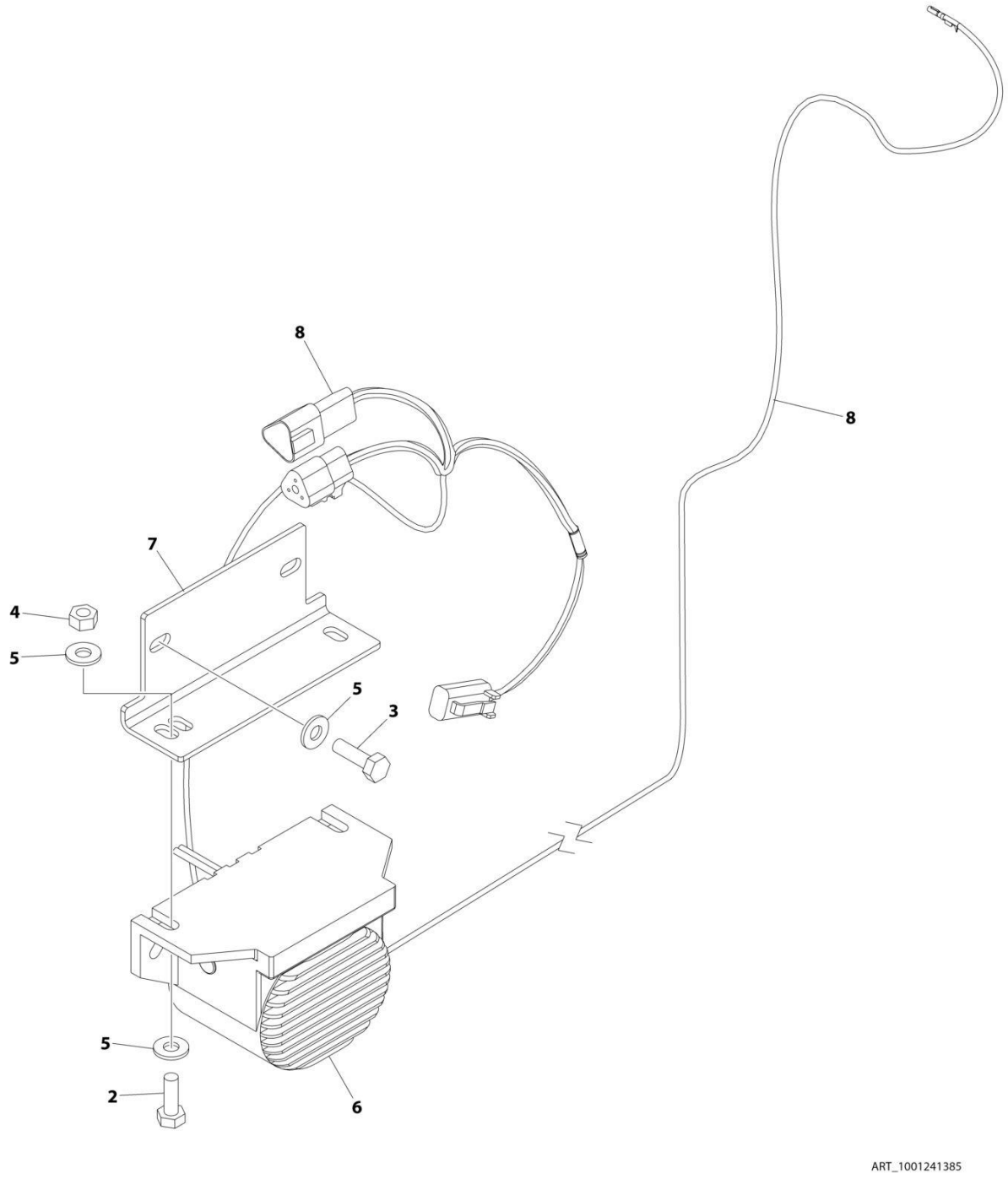


FIGURE 2-63. WHITE NOISE ALARM INSTALLATION - ADJUSTABLE AMBIENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241385	Ref	WHITE NOISE ALARM INSTALLATION	B
1	0100048	AR	Compound, Silicone (Not Shown)	
2	0641406	2	Bolt 1/4 x 3/4	
3	0641407	2	Bolt 1/4 x 7/8	
4	3311405	2	Nut 1/4	
5	4711400	6	Washer 1/4	
6	1001182806	1	Alarm	
7	1001231886	1	Plate	
8	1001243682	1	White Noise Motion Alarm Harness (See Separate Breakdown in this Section)	

FIGURE 2-64. WHITE NOISE MOTION ALARM INSTALLATION - AMBIENT

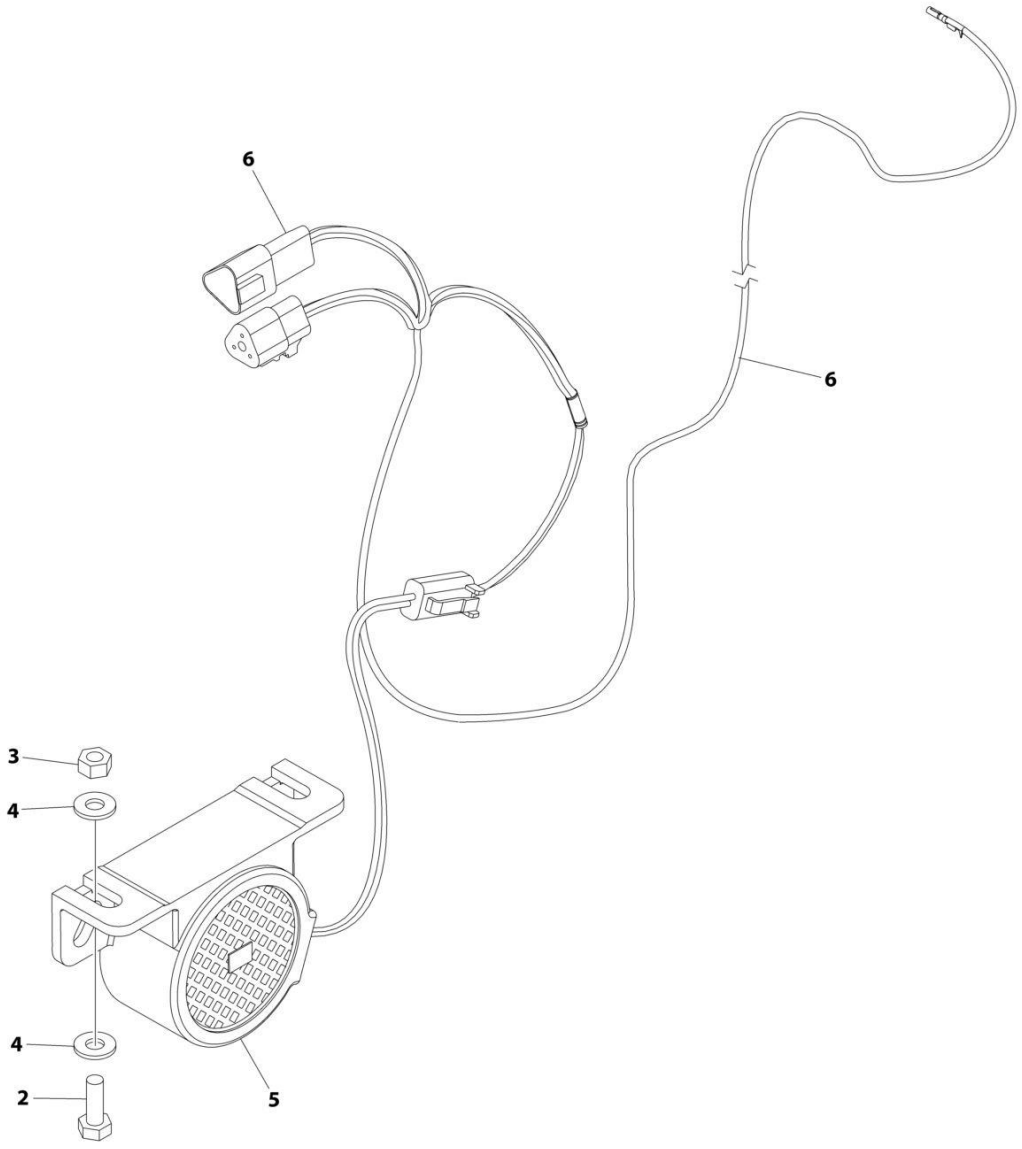


FIGURE 2-64. WHITE NOISE MOTION ALARM INSTALLATION - AMBIENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239347	Ref	WHITE NOISE MOTION ALARM INSTALLATION	B
1	0100048	AR	Compound, Silicone (Not Shown)	
2	0641406	2	Bolt 1/4 x 3/4	
3	3311405	2	Nut 1/4	
4	4711400	4	Washer 1/4	
5	1001184682	1	Alarm	
6	1001243682	1	White Noise Motion Alarm Harness (See Separate Breakdown in this Section)	

FIGURE 2-65. STROBE LIGHT INSTALLATION (AMBER) (Prior to SN 0300298282)

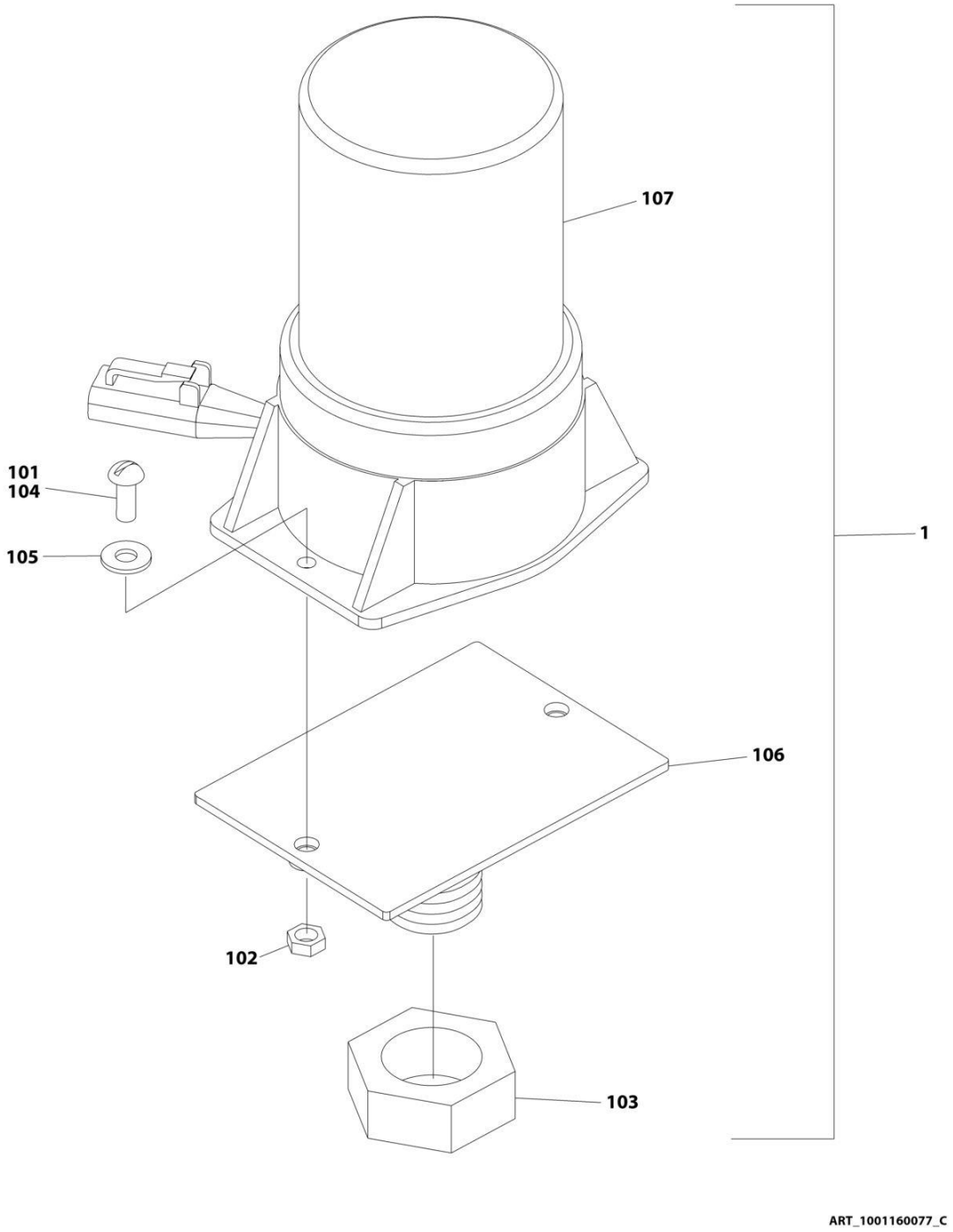


FIGURE 2-65. STROBE LIGHT INSTALLATION (AMBER) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160077	Ref	STROBE LIGHT INSTALLATION (AMBER)	C
1	1001278844	1	Strobe Light Assembly (Includes Items 101-107)	A
101	0100035	AR	Compound, Locking	
102	3290405	2	Nut, Lock M4	
103	3312602	1	Nut	
104	4031509	2	Capscrew M4 x 25	
105	4811400	2	Washer M4	
106	1001278850	1	Mount, Strobe	
107	1001270594	1	Strobe Light/Harness Assembly	
107	4460891	1	Connector	
107	4460465	2	Socket	

FIGURE 2-66. STROBE LIGHT INSTALLATION (AMBER) (SN 0300298282 to Present)

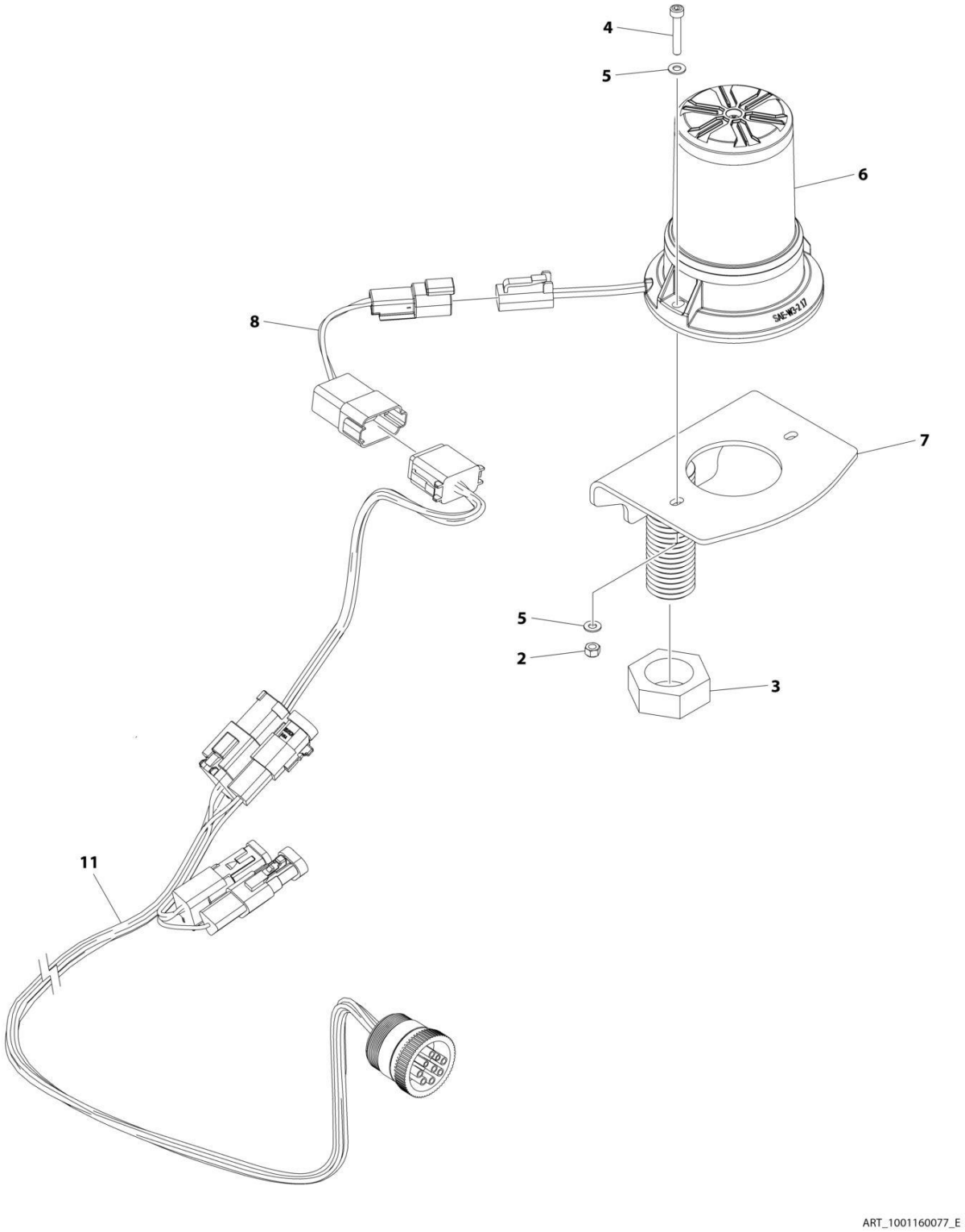


FIGURE 2-66. STROBE LIGHT INSTALLATION (AMBER) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160077	Ref	STROBE LIGHT INSTALLATION (AMBER)	E
2	3290405	2	Nut, Lock M4	
3	3312602	1	Nut	
4	4031509	2	Capscrew M4 x 25	
5	4811400	4	Washer M4	
6	1001270594	1	Strobe Light/Harness Assembly	
6	4460891	1	Connector	
6	4460465	2	Socket	
7	1001275149	2	Mount	
8	1001283776	1	Harness, Strobe Jumper (See Separate Breakdown in ELECTRICAL Section)	
9	4240017	AR	Tie-Strap (Not Shown)	
10	4460234	AR	Mount, Tie-Strap (Not Shown)	
11	1001286622	1	CSB Harness (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 2-67. STROBE LIGHT INSTALLATION (BLUE) (Prior to SN 0300298282)

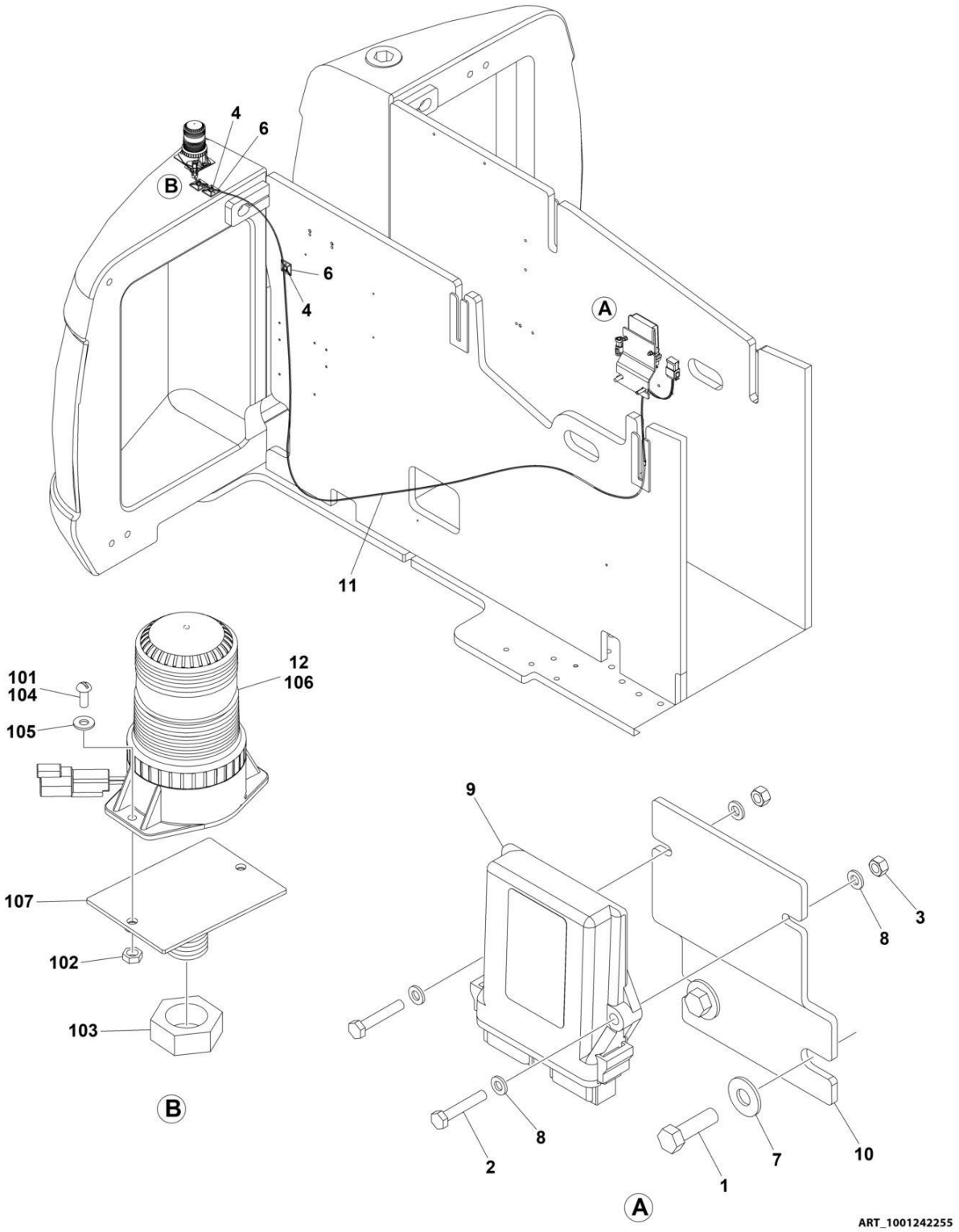


FIGURE 2-67. STROBE LIGHT INSTALLATION (BLUE) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242255	Ref	STROBE LIGHT INSTALLATION (BLUE)	B
1	0641610	2	Bolt 3/8 x 1-1/4	
2	0700615	2	Bolt 6 x 35	
3	3290607	2	Nut M6	
4	4240032	AR	Tie-Strap	
5	4240033	AR	Tie-Cable (Not Shown)	
6	4460488	AR	Base, Terminal, Mounting	
7	4751600	2	Washer 3/8	
8	4811700	4	Washer M6	
9	1001142683	1	Module, Control - Beacon	
10	1001142722	1	Bracket	
11	1001142736	1	Beacon Control Harness (See Separate Breakdown in ELECTRICAL Section)	
12	1001278845	1	Beacon Assembly - Blue (Includes Items 101 - 107)	A
101	0100035	AR	Compound, Locking	
102	3290405	2	Nut, Lock M4	
103	3312602	1	Nut	
104	4031509	2	Capscrew M4 x 25	
105	4811400	2	Washer M4	
106	1001272681	1	Light, Beacon	
106	4460891	1	Connector	
106	4460465	2	Socket	
107	1001278850	1	Mount, Strobe	

FIGURE 2-68. STROBE LIGHT INSTALLATION (BLUE) (SN 0300298282 to Present)

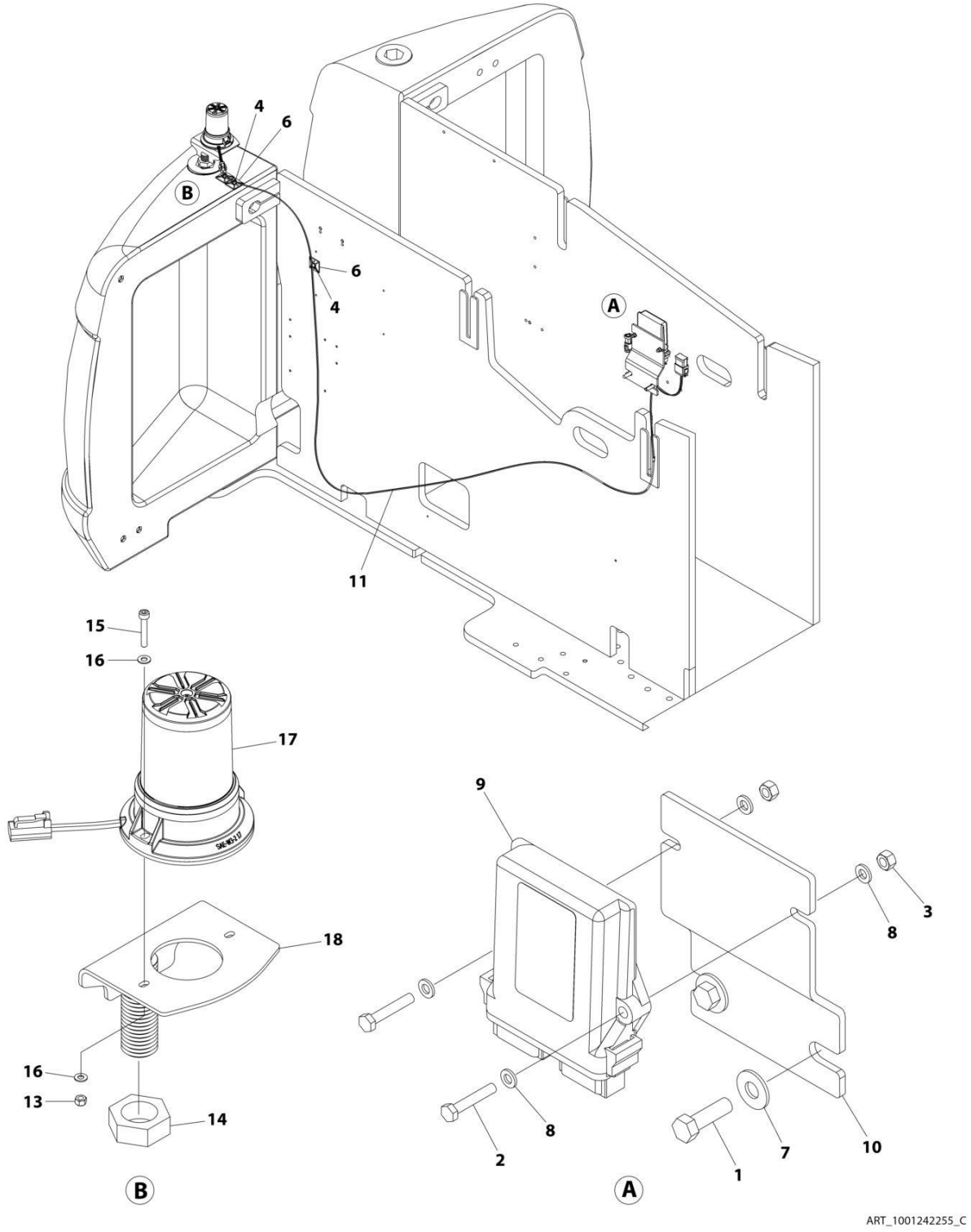


FIGURE 2-68. STROBE LIGHT INSTALLATION (BLUE) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242255	Ref	STROBE LIGHT INSTALLATION (BLUE)	C
1	0641610	2	Bolt 3/8 x 1-1/4	
2	0700615	2	Bolt 6 x 35	
3	3290607	2	Nut M6	
4	4240032	AR	Tie-Strap	
5	4240033	AR	Tie-Cable (Not Shown)	
6	4460488	AR	Base, Terminal, Mounting	
7	4751600	2	Washer 3/8	
8	4811700	4	Washer M6	
9	1001142683	1	Module, Control - Beacon	
10	1001142722	1	Bracket	
11	1001142736	1	Beacon Control Harness (See Separate Breakdown in ELECTRICAL Section)	
13	3290405	2	Nut, Lock M4	
14	3312602	1	Nut	
15	4031509	2	Capscrew M4 x 25	
16	4811400	4	Washer M4	
17	1001272681	1	Light, Beacon	
17	4460891	1	Connector	
17	4460465	2	Socket	
18	1001275149	1	Mount, Strobe	

FIGURE 2-69. STROBE LIGHT INSTALLATION (RED) (Prior to SN 0300298282)

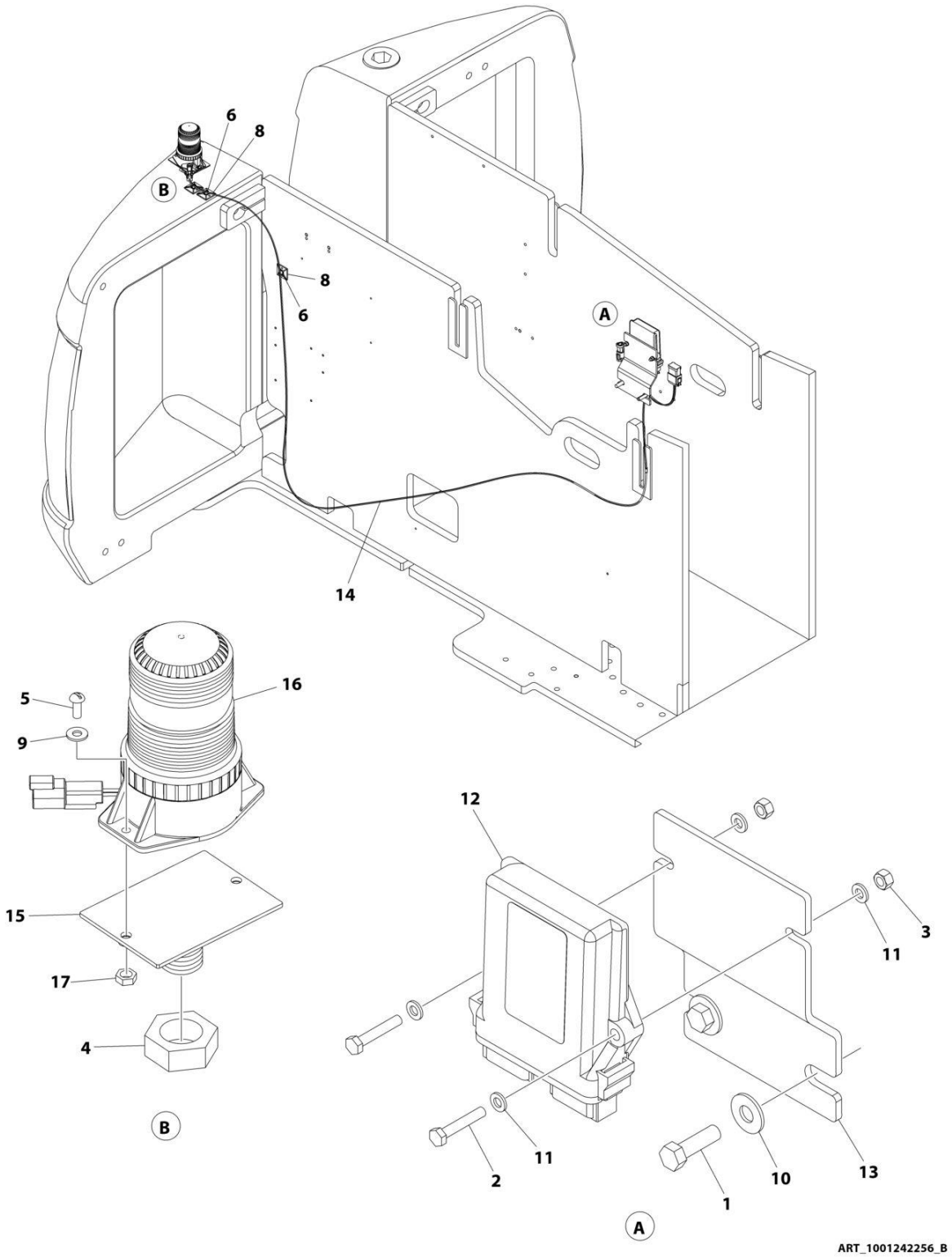


FIGURE 2-69. STROBE LIGHT INSTALLATION (RED) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242256	Ref	STROBE LIGHT INSTALLATAION (RED)	B
1	0641610	2	Bolt 3/8 x 1-1/4	
2	0700615	2	Bolt 6 x 35	
3	3290607	2	Nut M6	
4	3312602	1	Nut	
5	4031509	2	Capscrew M4 x 25	
6	4240032	AR	Tie Strap	
7	4240033	AR	Tie Cable (Not Shown)	
8	4460488	AR	Base, Terminal, Mounting	
9	4811400	2	Washer M4	
10	4751600	2	Washer 3/8	
11	4811700	4	Washer M6	
12	1001142683	1	Module, Control	
13	1001142722	1	Bracket	
14	1001142736	1	Beacon Control Harness (See Separate Breakdown in ELECTRICAL Section)	
15	1001278850	1	Mount, Strobe	
16	1001272682	1	Light, Beacon	
16	4460891	1	Connector	
16	4460465	2	Socket	
17	3290405	2	Nut, Lock M4	

FIGURE 2-70. STROBE LIGHT INSTALLATION (RED) (SN 0300298282 to Present)

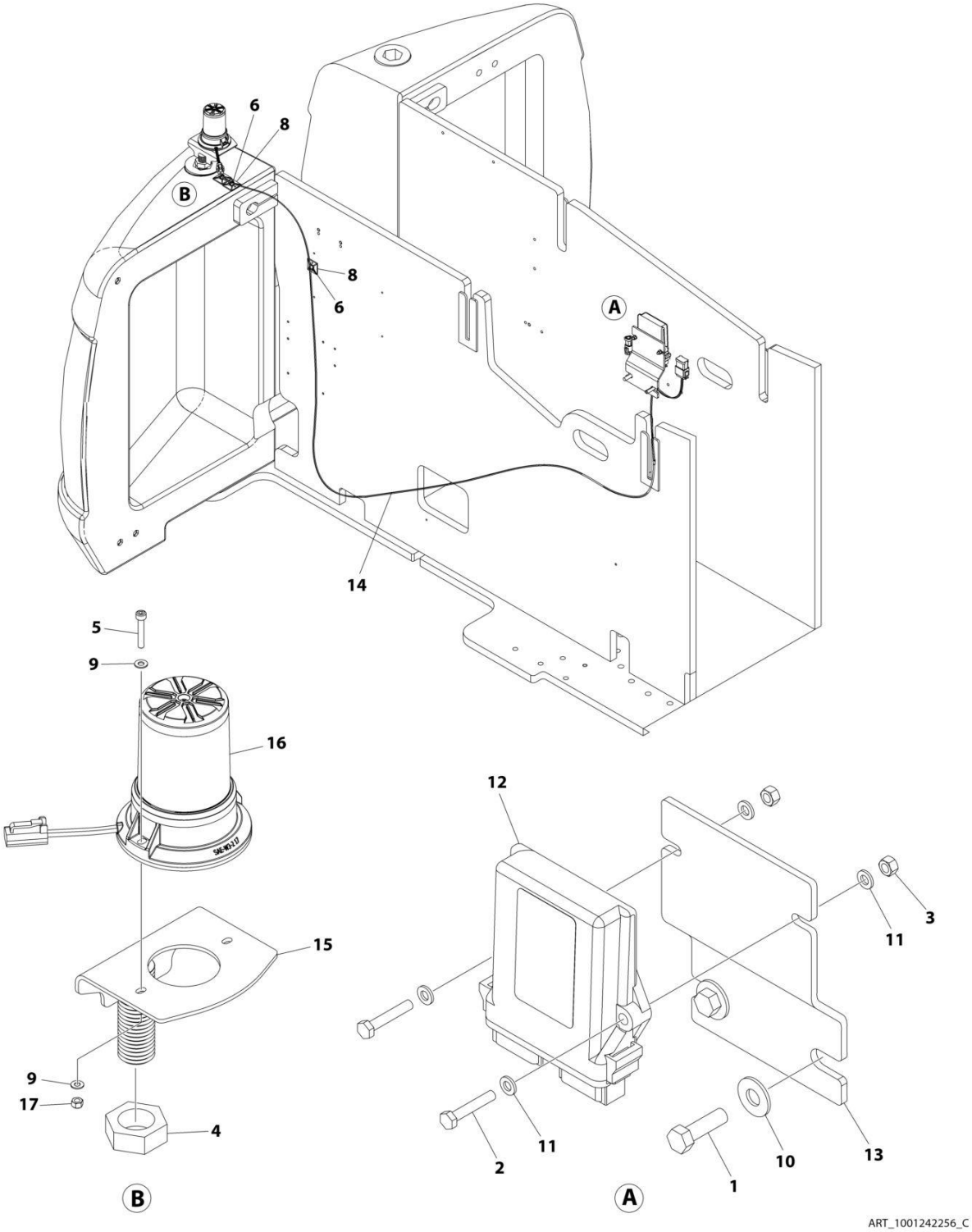


FIGURE 2-70. STROBE LIGHT INSTALLATION (RED) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242256	Ref	STROBE LIGHT INSTALLATAION (RED)	C
1	0641610	2	Bolt 3/8 x 1-1/4	
2	0700615	2	Bolt 6 x 35	
3	3290607	2	Nut M6	
4	3312602	1	Nut	
5	4031509	2	Capscrew M4 x 25	
6	4240032	AR	Tie Strap	
7	4240033	AR	Tie Cable (Not Shown)	
8	4460488	AR	Base, Terminal, Mounting	
9	4811400	4	Washer M4	
10	4751600	2	Washer 3/8	
11	4811700	4	Washer M6	
12	1001142683	1	Module, Control	
13	1001142722	1	Bracket	
14	1001142736	1	Beacon Control Harness (See Separate Breakdown in ELECTRICAL Section)	
15	1001275149	1	Mount, Strobe	
16	1001272682	1	Light, Beacon	
16	4460891	1	Connector	
16	4460465	2	Socket	
17	3290405	2	Nut, Lock M4	

FIGURE 2-71. SKYAIR AIR COMPRESSOR INSTALLATION (ANSI EXPORT AND CHINA SPECS)

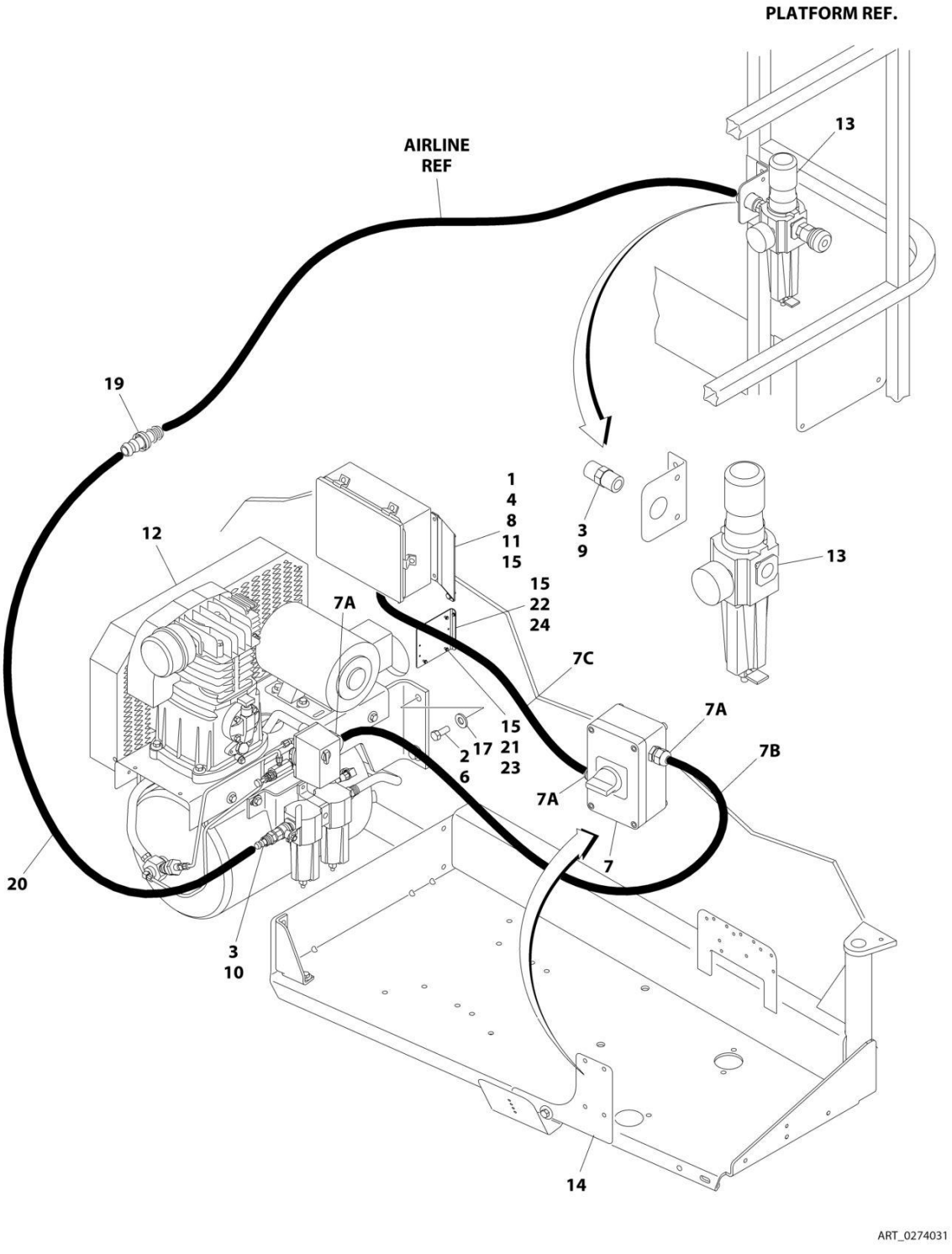


FIGURE 2-71. SKYAIR AIR COMPRESSOR INSTALLATION (ANSI EXPORT AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0274031	Ref	SKYAIR AIR COMPRESSOR INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100020	3	Sealant	
4	0641405	4	Bolt 1/4 x 5/8	
6	0641810	4	Bolt 1/2 x 1-1/4	
7	0861642	1	Control Box Assembly	
7A	4460633	3	Connector, Strain Relief	
7B	70002948	AR	Cable, Electrical - 12/4 (13ft/4m)	
7C	70002948	AR	Cable, Electrical - 12/4 (30in/76cm)	
8	0903088	2	Bracket, Generator Box	
9	2220252	1	Fitting, Adapter NPT	
10	2220750	1	Fitting	
11	3300454	4	Nut, Tinnerman 1/4	
12	3600386	1	Air Compressor Assembly (See Separate Breakdown in this section)	
13	3720021	1	Filter/Regulator Assembly	
13	7027781	1	Service Kit (Includes Gaskets and Seals)	
13	7027782	1	Filter	
13	7027784	1	Gauge	
13	7027783	1	Valve, Drain	
14	4340747	1	Bracket, Control Box	
15	4711400	14	Washer 1/4	
17	4751800	4	Washer 1/2	
19	2221037	1	Fitting, Barbed	
20	2720545	1	Hose, Air	
21	0641409	4	Bolt 1/4 x 1-1/8	
22	0641410	2	Bolt 1/4 x 1-1/4	
23	3311405	4	Nut 1/4	
24	3575874	1	Bracket, Module	
25	4460428	1	Connector	

FIGURE 2-72. SKYAIR AIR COMPRESSOR INSTALLATION (ANSI AND CSA SPECS)

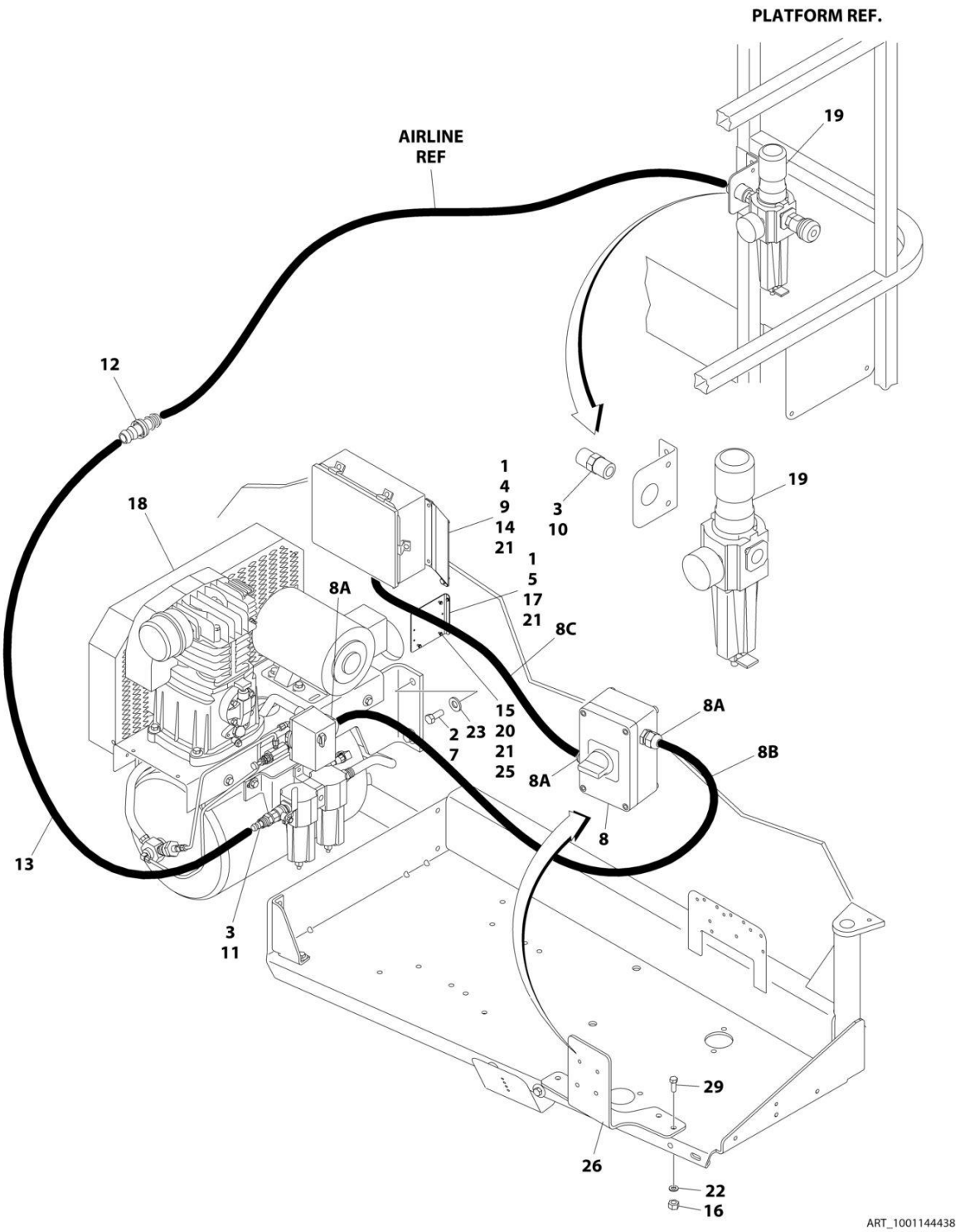


FIGURE 2-72. SKYAIR AIR COMPRESSOR INSTALLATION (ANSI AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001144438	Ref	SKYAIR AIR COMPRESSOR INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100020	AR	Sealant	
4	0641405	4	Bolt 1/4 x 5/8	
5	0641410	2	Bolt 1/4 x 1-1/4	
7	0641810	4	Bolt 1/2 x 1-1/4	
8	0861642	1	Control Box Assembly	
8A	4460633	3	Connector, Strain Relief	
8B	70002948	AR	Cable, Electrical - 12/4 (13ft/4m)	
8C	70002948	AR	Cable, Electrical - 12/4 (30in/76cm)	
9	0903088	2	Bracket, Generator Box	
10	2220252	1	Fitting, Adapter NPT	
11	2220750	1	Fitting	
12	2221037	1	Fitting, Barbed	
13	2720545	1	Hose, Air	
14	3300454	4	Nut, Tinnerman 1/4	
15	3311405	4	Nut 1/4	
16	3311605	3	Nut 3/8	
17	3575874	1	Bracket, Module	
18	3600386	1	Air Compressor Assembly (See Separate Breakdown in tihs Section)	
19	3720021	1	Filter/Regulator Assembly	
19	7027781	1	Service Kit (Includes Gaskets and Seals)	
19	7027782	1	Filter	
19	7027784	1	Gauge	
19	7027783	1	Valve, Drain	
20	3931424	4	Capscrew 1/4 x 1-1/2	
21	4711400	14	Washer 1/4	
22	4711600	4	Washer 3/8	
23	4751800	4	Washer 1/2	
25	1001110425	4	Spacer	
26	1001144447	1	Bracket, Control Box	
27	0641606	1	Bolt 3/8 x 3/4 (Not Shown)	
28	8406201	1	Clip (Not Shown)	
29	0641609	3	Bolt 3/8 X 1-1/8	

FIGURE 2-73. AIR COMPRESSOR ASSEMBLY

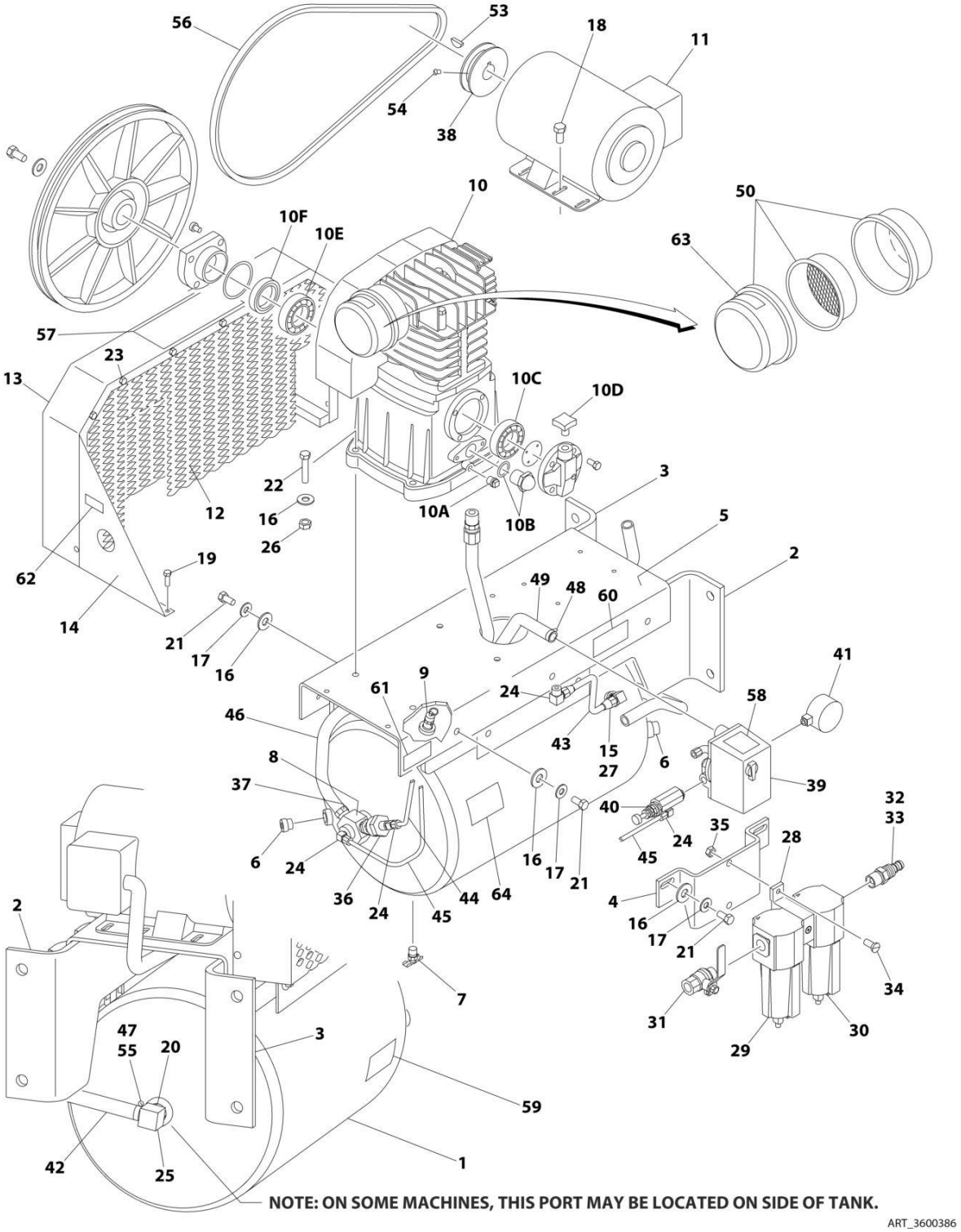


FIGURE 2-73. AIR COMPRESSOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3600386	Ref	AIR COMPRESSOR ASSEMBLY	B
1	7026632	1	Tank	
2	See Note	1	Bracket, Mounting (Note: Not Available for Purchase)	
3	See Note	1	Bracket, Mounting (Note: Not Available for Purchase)	
4	See Note	1	Bracket, Regulator Mounting (Note: Not Available for Purchase)	
5	See Note	1	Deck (Note: Not Available for Purchase)	
6	See Note	2	Plug (Note: Not Available for Purchase)	
7	7026633	1	Valve, Drain	
8	7026634	1	Valve, Check	
9	7026635	1	Valve, Safety	
10	7026636	1	Pump Assembly	
10	7026659	1	Gasket and Seal Kit	
10A	7026651	1	Plug, Oil Drain	
10B	7026652	1	Gauge, Oil Sight	
10C	7026653	1	Bearing	
10D	7026654	1	Cap, Oil Fill	
10E	7026655	1	Bearing	
10F	7026656	1	Seal	
11	7026637	1	Motor Assembly	
11	See Note	1	Brush Kit (Note: Not Available for Purchase)	
12	See Note	1	Screen, Inner (Note: Not Available for Purchase)	
13	See Note	1	Guard, Belt (Note: Not Available for Purchase)	
14	See Note	2	Support (Note: Not Available for Purchase)	
15	See Note	1	Bushing (Note: Not Available for Purchase)	
16	4751600	18	Washer 3/8	
17	4761600	10	Washer 3/8	
18	0641506	4	Bolt 5/16 x 3/4	
19	0641406	8	Bolt 1/4 x 3/4	
20	See Note	1	Bushing (Note: Not Available for Purchase)	
21	0641610	10	Bolt 3/8 x 1-1/4	
22	0641616	4	Bolt 3/8 x 2	
23	See Note	10	Bolt 1/4 x 1/2 (Note: Not Available for Purchase)	
24	See Note	4	Fitting (Note: Not Available for Purchase)	
25	See Note	1	Fitting, Barbed (Note: Not Available for Purchase)	
26	3311605	4	Nut 3/8	
27	See Note	1	Fitting, Compression (Note: Not Available for Purchase)	
28	See Note	1	Bracket, Mounting (Note: Not Available for Purchase)	
29	7026660	1	Filter, Oil Removal	
30	7026661	1	Filter, Water Removal	
31	70001663	1	Valve, Ball Shut-Off	
32	See Note	1	Bushing (Note: Not Available for Purchase)	
33	See Note	1	Fitting, Barbed (Note: Not Available for Purchase)	
34	See Note	2	Screw 1/4 x 1 (Note: Not Available for Purchase)	
35	3311405	2	Nut 1/4	
36	See Note	1	Unloader (Note: Not Available for Purchase)	
37	See Note	1	Fitting (Note: Not Available for Purchase)	
38	See Note	1	Pulley (Note: Not Available for Purchase)	
39	7026638	1	Switch, Pressure	
40	7026639	1	Vale, Pilot	
41	7026640	1	Gauge	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	See Note	1	Hose (Note: Not Available for Purchase)	
43	See Note	1	Tube, Feed (Note: Not Available for Purchase)	
44	See Note	1	Tube (Note: Not Available for Purchase)	
45	See Note	1	Tube (Note: Not Available for Purchase)	
46	See Note	1	Aftercooler (Note: Not Available for Purchase)	
47	See Note	2	Clamp (Note: Not Available for Purchase)	
48	See Note	2	Clamp (Note: Not Available for Purchase)	
49	See Note	1	Harness, Wiring (Note: Not Available for Purchase)	
50	7026658	1	Filter Assembly	
50	7026641	1	Element, Filter	
51	See Note	23 oz	Oil, Compressor (Note: Not Available for Purchase)	
52	0100020	AR	Sealant	
53	See Note	1	Key (Note: Not Available for Purchase)	
54	See Note	2	Setscrew (Note: Not Available for Purchase)	
55	See Note	2	Cover, Clamp End (Note: Not Available for Purchase)	
56	7026642	1	Belt	
57	7026643	1	Decal - Unit Warning	
58	7026644	1	Decal - Pressure Switch Warning	
59	7026645	1	Decal - Drain Tank Warning	
60	7026646	1	Decal - Compressor Maintenance	
61	7026647	1	Decal - Initial Oil Fill	
62	7026648	1	Decal - Hot Surfaces Warning	
63	7026649	1	Decal - Paper Element Cleaning	
64	7026650	1	Decal - Dual Control	

FIGURE 2-74. HOODS INSTALLATION - ABS (DEUTZ D2011 ENGINES)

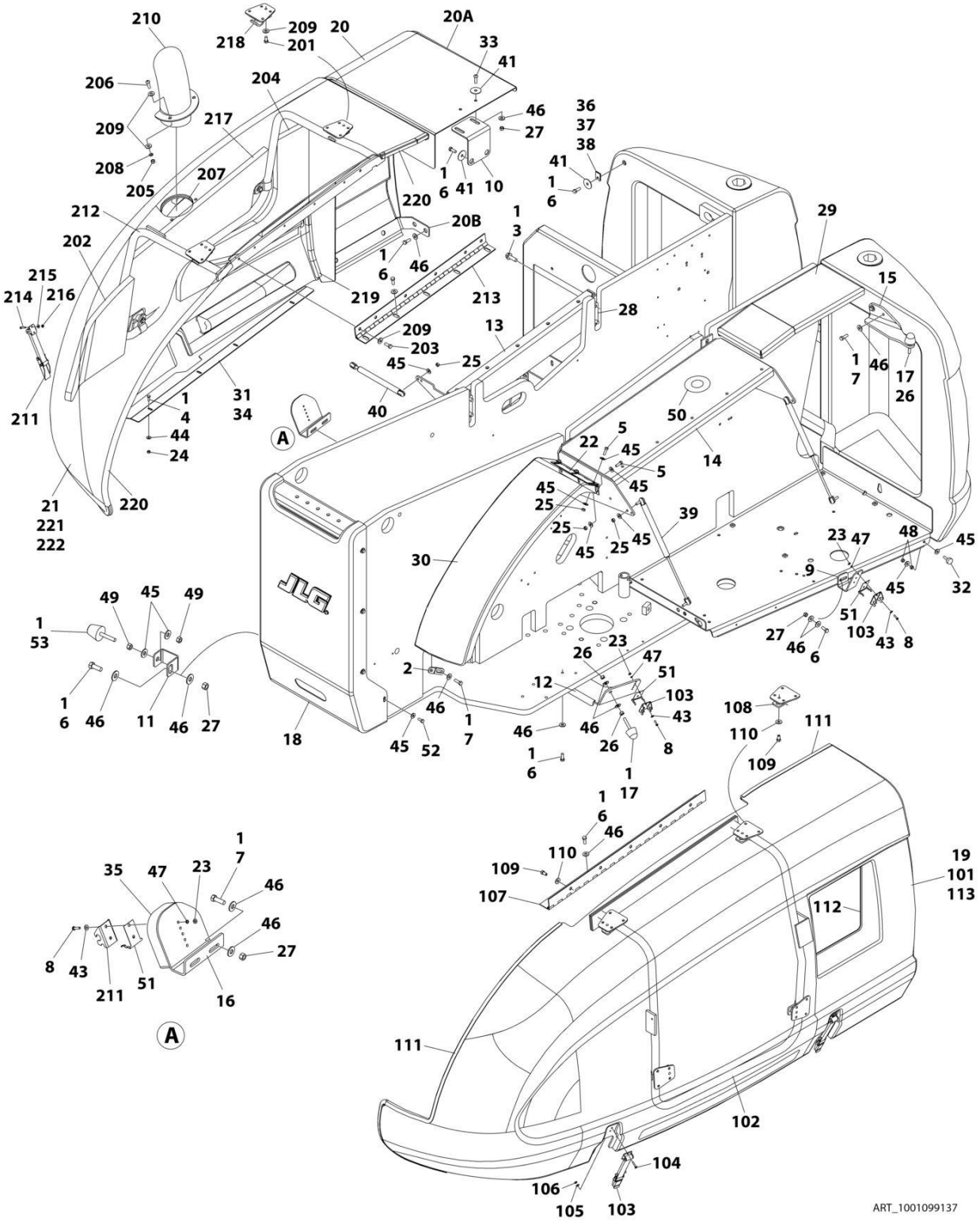


FIGURE 2-74. HOODS INSTALLATION - ABS (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099137	Ref	HOODS INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0362770	1	Bar, Panel Mounting	
3	0811812	8	Bolt	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641508	6	Bolt 5/16 x 1	
6	0641608	22	Bolt 3/8 x 1	
7	0641609	5	Bolt 3/8 x 1-1/8	
8	0721006	6	Screw #10 x 3/4	
9	0902143	1	Bracket, Latch (Tank Side)	
10	0902161	1	Bracket, Hood Spacer Mounting (Engine Side)	
11	0902219	2	Bracket, Bumper	
12	0902223	1	Bracket, Latch (Tank Side)	
13	1001207558	1	Bracket, Hood Mounting (Engine Side)	
14	0902412	1	Bracket, Hood Mounting (Tank Side)	
15	0902426	1	Bracket, Bumper - Counterweight Mounted	
16	0902491	1	Bracket, Latch (Engine Side)	
17	0940071	2	Bumper	
18	1670842	1	Cover, Turntable End	
19	1671228	1	Hood Assembly - Tank Side (See Items 101-113 for Breakdown)	
19		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
20	1671233	1	Spacer Assembly	
20A	3960453	68 in /1.73m	Seal	
20B	0903308	1	Bracket	
21	1001099138	1	Hood Assembly - Engine Side (See Items 201-221 for Breakdown):	
21		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
22	2600244	1	Adapter, Panel Hinge	
23	3311001	6	Nut #10	
24	3311405	4	Nut 1/4	
25	3311505	9	Nut 5/16	
26	3311601	4	Nut 3/8	
27	3311605	7	Nut 3/8	
28	1001150260	4	Plate, Hinge Block	
29	1001290021	1	Cover, Top (Tank Side)	
30	3380444	1	Panel, Adapter	
31	3571712	1	Plate, Seal	
32	0940049	1	Stopper, Hood	
33	3900232	2	Screw 3/8 x 1-1/4	
34	3960389	3.5 ft/1m	Seal	
35	3960470	1	Seal, Latch	
36	4070410	AR	Shim 1/16	
37	4070411	AR	Shim 1/8	
38	4070412	AR	Shim 3/16	
39	4160139	2	Spring, Gas (Tank Side)	
40	4160143	1	Spring, Gas (Engine Side)	
41	4740076	5	Washer, Fender	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	4751000	6	Washer #10	
44	4751400	4	Washer 1/4	
45	4751500	29	Washer 5/16	
46	4751600	35	Washer 3/8	
47	4761000	6	Washer #10	
48	3311501	2	Nut 5/16	
49	3321501	4	Nut 5/16	
50	1120601	1	Plug	
51	2940188	3	Latch	
52	0641506	8	Bolt, 5/16 x 3/4	
53	0940088	2	Bumper	
	1671228	Ref	HOOD ASSEMBLY (TANK SIDE)	A
101	1671231	1	Hood	
102	1671232	1	Frame, Tubular	
103	2940088	2	Latch	
104	0721008	4	Screw, #10 x 1	
105	4751000	4	Washer #10	
106	3311001	4	Nut #10	
107	2600233	1	Hinge	
108	1321384	4	Hold Down	
109	0641606	9	Bolt 3/8 x 3/4	
110	4711600	9	Washer 3/8	
111	3960464	83 in /2.11m	Seal	
112	3960438	55 in/1.4m	Seal	
113	3960462	53 in /1.35m	Seal	
	1001099138	Ref	HOOD ASSEMBLY (ENGINE SIDE)	B
201	0641606	4	Bolt 3/8 x 3/4	
202	2820233	1	Insulation, Rear Sound	
203	0641608	6	Insulation, Center Sound	
204	2820235	1	Insulation, Rear Sound	
205	3311605	2	Nut 3/8	
206	3900232	2	Screw 3/8 x 1-1/4	
207	1001101623	1	Shield, Heat Gasket	
208	4740500	2	Washer	
209	4751600	14	Washer 3/8	
210	1001099121	1	Exhaust Tube Weldment	
211	2940088	1	Latch	
212	1671230	1	Frame, Tubular	
213	2600209	1	Hinge	
214	0721008	2	Screw, #10 x 1	
215	4751000	2	Washer #10	
216	3311001	2	Nut #10	
217	2820234	AR	Insulation	
218	1321384	4	Hold Down	
219	3960462	61 in /1.55m	Seal	
220	3960464	65 in /1.67m	Seal	
221	1001101673	AR	Insulation	

FIGURE 2-75. HOODS INSTALLATION - ABS (DEUTZ TD2.9L4 ENGINES AND DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES)

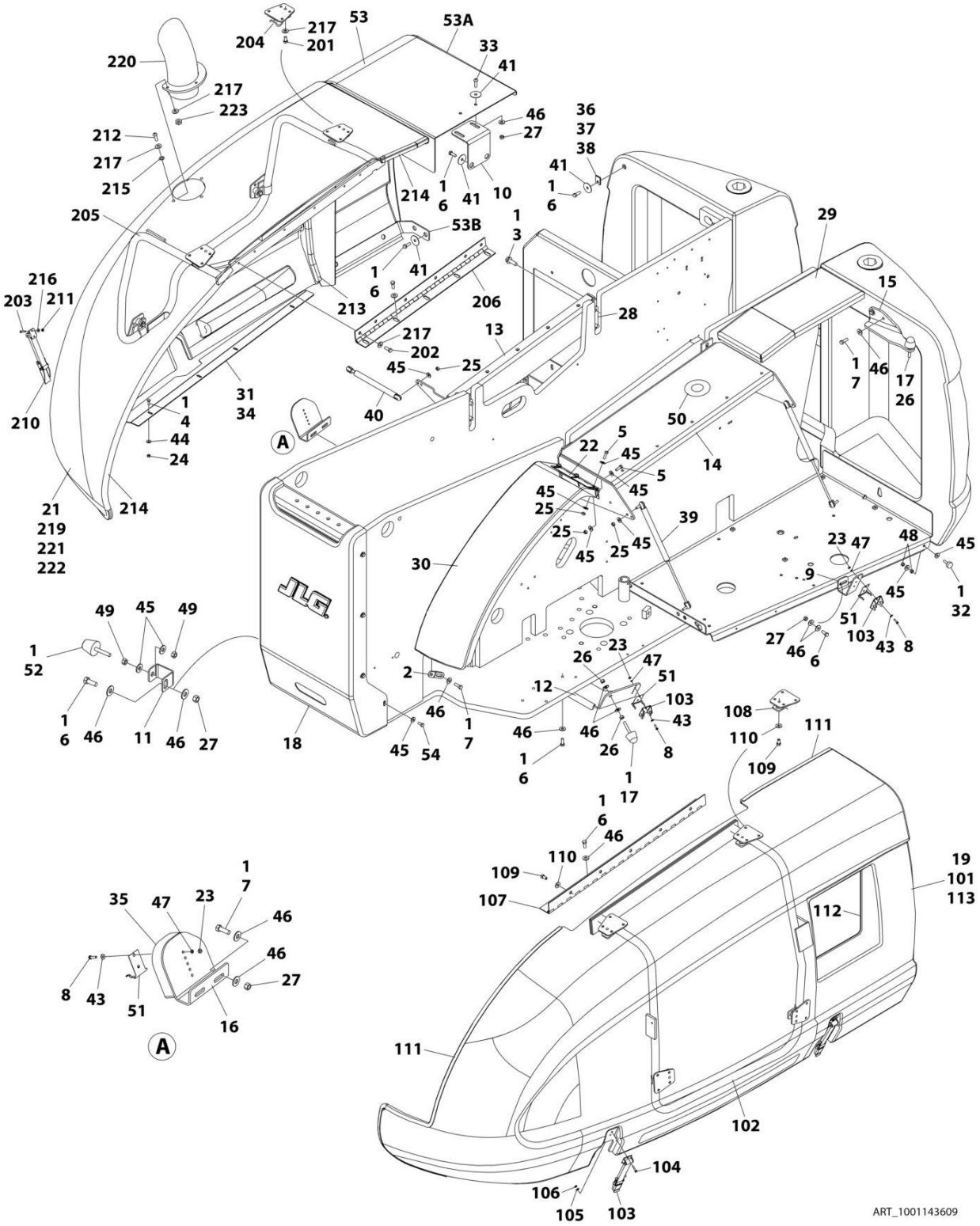


FIGURE 2-75. HOODS INSTALLATION - ABS (DEUTZ TD2.9L4 ENGINES AND DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001143609	Ref	HOODS INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0362770	1	Bar, Panel Mounting	
3	0811812	8	Bolt	
4	0641406	4	Bolt 1/4 x 3/4	
5	0641508	AR	Bolt 5/16 x 1	
6	0641608	22	Bolt 3/8 x 1	
7	0641609	5	Bolt 3/8 x 1-1/8	
8	0721006	6	Screw #10 x 3/4	
9	0902143	1	Bracket, Latch (Tank Side)	
10	0902161	1	Bracket, Hood Spacer Mounting (Engine Side)	
11	0902219	2	Bracket, Bumper	
12	0902223	1	Bracket, Latch (Tank Side)	
13	1001207558	1	Bracket, Hood Mounting (Engine Side)	
14	0902412	1	Bracket, Hood Mounting (Tank Side)	
15	0902426	1	Bracket, Bumper - Counterweight Mounted	
16	0902491	1	Bracket, Latch (Engine Side)	
17	0940071	2	Bumper	
18	1670842	1	Cover, Turntable End	
19	1671228	1	Hood Assembly - Tank Side (See Items 101-113 for Breakdown)	
19		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS Section.	
21	1001143607	1	Hood Assembly - Engine Side (See Items 201-223 for Breakdown)	
21		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL Section.	
22	2600244	1	Adapter, Panel Hinge	
23	3311001	6	Nut #10	
24	3311405	4	Nut 1/4	
25	3311505	9	Nut 5/16	
26	3311601	AR	Nut 3/8	
27	3311605	7	Nut 3/8	
28	1001150260	4	Plate, Hinge Block	
29	1001290021	1	Cover, Top (Tank Side)	
30	3380444	1	Panel, Adapter	
31	1001143858	1	Plate, Seal (Deutz TD2.9L4 and Deutz TD2.9L4 (Stage V Pre-Buy) Engines)	
32	0940049	1	Stopper, Hood	
33	3900232	2	Screw 3/8 x 1-1/4	
34	3960389	3.5 ft/1m	Seal	
35	3960470	1	Seal, Latch	
36	4070410	AR	Shim 1/16	
37	4070411	AR	Shim 1/8	
38	4070412	AR	Shim 3/16	
39	4160139	2	Spring, Gas (Tank Side)	
40	4160143	1	Spring, Gas (Engine Side)	
41	4740076	5	Washer, Fender	
43	4751000	6	Washer #10	
44	4751400	4	Washer 1/4	
45	4751500	AR	Washer 5/16	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	4751600	AR	Washer 3/8	
47	4761000	6	Washer #10	
48	3311501	2	Nut 5/16	
49	3321501	AR	Nut 5/16	
50	1120601	1	Plug	
51	2940188	3	Latch	
52	0940088	2	Stopper	
53	1001149673	1	Spacer	
54	0641506	8	Screw 5/16 x 3/4	
	1671228	Ref	HOOD ASSEMBLY (TANK SIDE)	A
101	1671231	1	Hood	
102	1671232	1	Frame, Tubular	
103	2940088	2	Latch	
104	0721008	4	Screw, Machine #10 x 1	
105	4751000	4	Washer #10	
106	3311001	4	Nut #10	
107	2600233	1	Hinge	
108	1321384	4	Hold Down	
109	0641606	9	Bolt 3/8 x 3/4	
110	4711600	9	Washer 3/8	
111	3960464	83 in /2.11m	Seal	
112	3960438	55 in/1.4m	Seal	
113	3960462	53 in /1.35m	Seal	
	1001143607	Ref	HOOD ASSEMBLY (ENGINE SIDE)	G
201	0641606	4	Bolt 3/8 x 3/4	
202	0641608	6	Bolt 3/8 x 1	
203	0721008	2	Screw #10 x 1	
204	1321384	4	Hold Down	
205	1001153435	1	Frame, Tubular	
206	2600209	1	Hinge	
210	2940088	1	Latch	
211	3311001	2	Nut #10	
212	3900316	3	Bolt 3/8 x 1	
212	88261039	3	Bolt 3/8 x 2	
213	3960462	61 in /1.55m	Seal	
214	3960464	65 in /1.67m	Seal	
215	4740500	3	Washer	
216	4751000	2	Washer #10	
217	4751600	16	Washer 3/8	
220	1001143611	1	Pipe, Exhaust	
221	1001152566	AR	Insulate, Heat	
222	1001117140	AR	Tape	
223	3311605	3	Nut 3/8	

FIGURE 2-76. HOODS INSTALLATION - ABS (DEUTZ TD2.9L4 (STAGE V) ENGINES)

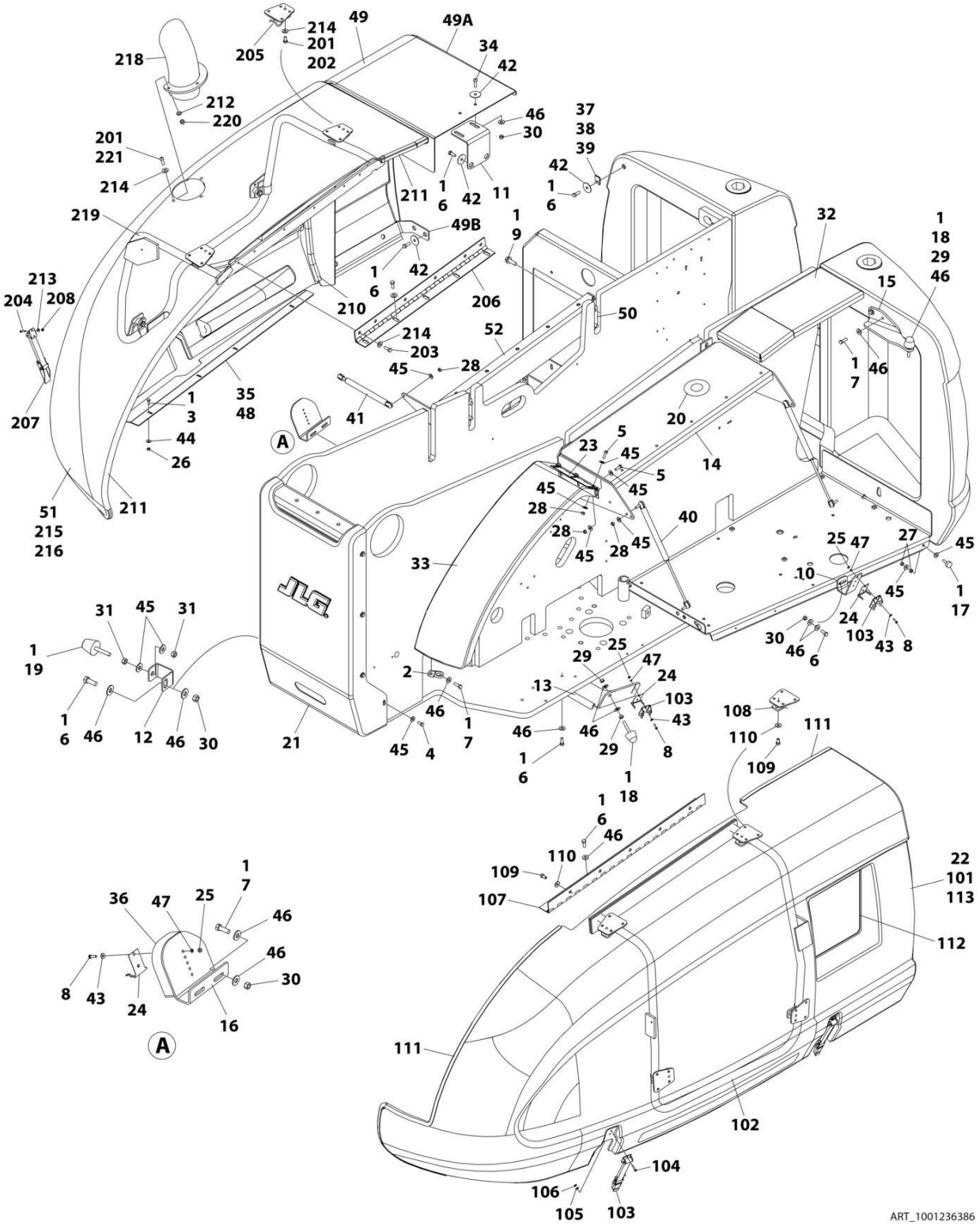


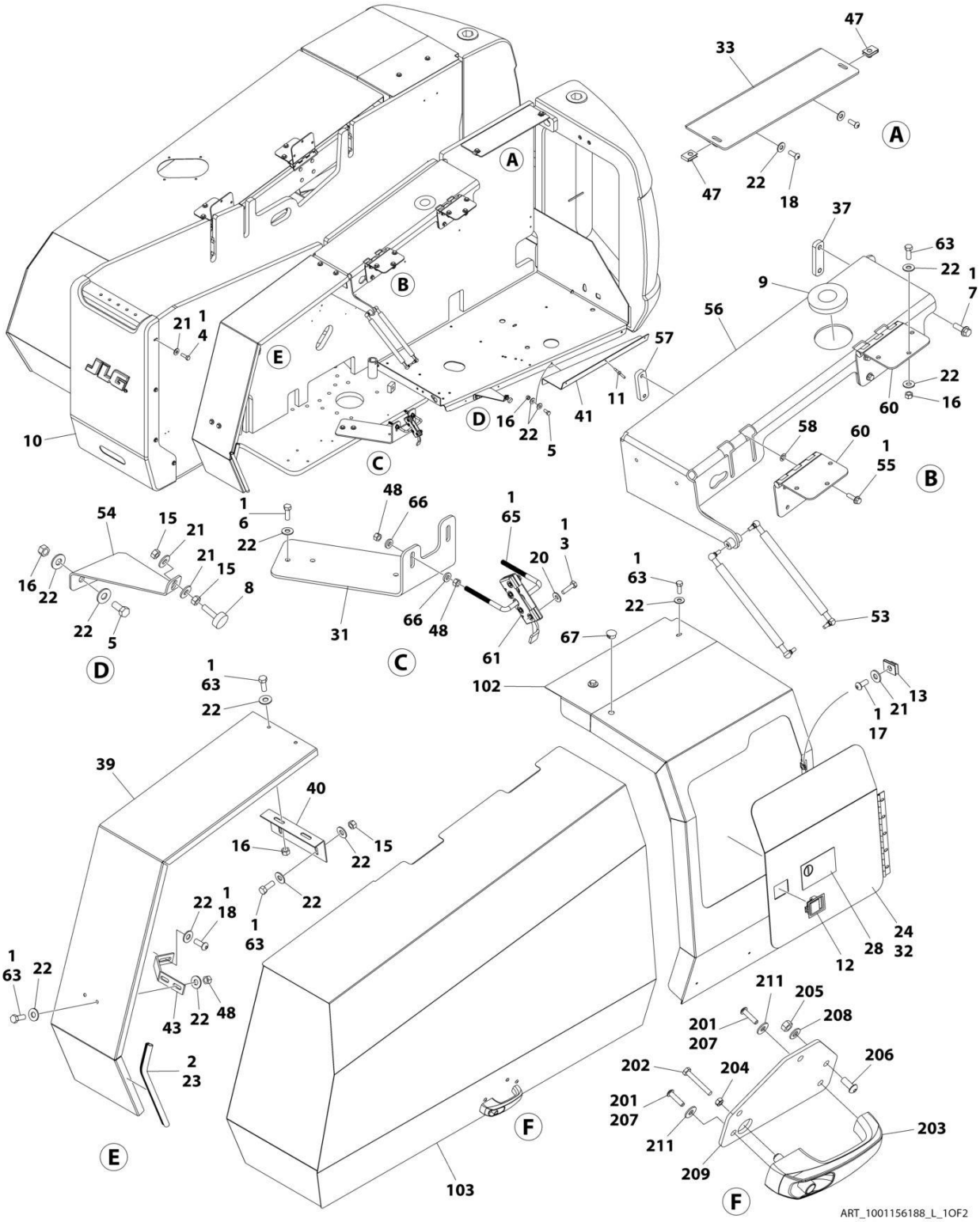
FIGURE 2-76. HOODS INSTALLATION - ABS (DEUTZ TD2.9L4 (STAGE V) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236386	Ref	HOODS INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0362770	1	Bar, Panel Mounting	
3	0641406	4	Bolt 1/4 x 3/4	
4	0641506	8	Bolt 5/16 x 3/4	
5	0641508	6	Bolt 5/16 x 1	
6	0641608	21	Bolt 3/8 x 1	
7	0641609	5	Bolt 3/8 x 1-1/8	
8	0721006	6	Screw #10 x 3/4	
9	0811812	8	Bolt	
10	0902143	1	Bracket, Latch (Tank Side)	
11	0902161	1	Bracket, Hood Spacer Mounting (Engine Side)	
12	0902219	1	Bracket, Bumper	
13	0902223	1	Bracket, Latch (Tank Side)	
14	0902412	1	Bracket, Hood Mounting (Tank Side)	
15	0902426	1	Bracket, Bumper - Counterweight Mounted	
16	0902491	1	Bracket, Latch (Engine Side)	
17	0940049	1	Stopper, Hood	
18	0940071	2	Bumper	
19	0940088	2	Stopper	
20	1120601	1	Plug	
21	1670842	1	Cover, Turntable End	
22	1671228	1	Hood Assembly - Tank Side (See Items 101-113 for Breakdown)	
22		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
23	2600244	1	Adapter, Panel Hinge	
24	2940188	3	Latch	
25	3311001	6	Nut #10	
26	3311405	4	Nut 1/4	
27	3311501	2	Nut 5/16	
28	3311505	9	Nut 5/16	
29	3311601	4	Nut 3/8	
30	3311605	6	Nut 3/8	
31	3321501	4	Nut 5/16	
32	1001290021	1	Cover, Top (Tank Side)	
33	3380444	1	Panel, Adapter	
34	3900232	2	Screw 3/8 x 1-1/4	
35	3960389	3.5 ft/1m	Seal	
36	3960470	1	Seal, Latch	
37	4070410	AR	Shim 1/16	
38	4070411	AR	Shim 1/8	
39	4070412	AR	Shim 3/16	
40	4160139	2	Spring, Gas (Tank Side)	
41	4160143	1	Spring, Gas (Engine Side)	
42	4740076	7	Washer, Fender	
43	4751000	6	Washer #10	
44	4751400	4	Washer 1/4	
45	4751500	29	Washer 5/16	
46	4751600	31	Washer 3/8	
47	4761000	6	Washer #10	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001143858	1	Plate, Seal (Deutz TD2.9L4 and Deutz TD2.9L4 (Stage V Pre-Buy) Engines)	
49	1001149673	1	Spacer	
50	1001150260	4	Plate, Hinge Block	
51	1001236387	1	Hood Assembly - Engine Side (See Items 201-221 for Breakdown)	
51		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
52	1001207558	1	Bracket, Hood Mounting (Engine Side)	
	1671228	Ref	HOOD ASSEMBLY (TANK SIDE)	A
101	1671231	1	Hood	
102	1671232	1	Frame, Tubular	
103	2940088	2	Latch	
104	0721008	4	Screw, Machine #10 x 1	
105	4751000	4	Washer #10	
106	3311001	4	Nut #10	
107	2600233	1	Hinge	
108	1321384	4	Hold Down	
109	0641606	9	Bolt 3/8 x 3/4	
110	4711600	9	Washer 3/8	
111	3960464	83 in /2.11m	Seal	
112	3960438	55 in/1.4m	Seal	
113	3960462	53 in /1.35m	Seal	
	1001236387	Ref	HOOD ASSEMBLY (ENGINE SIDE)	C
201	0100011	AR	Compound, Locking	
202	0641606	4	Bolt 3/8 x 3/4	
203	0641608	6	Bolt 3/8 x 1	
204	0721008	2	Screw #10 x 1	
205	1321384	4	Hold Down	
206	2600209	1	Hinge	
207	2940088	1	Latch	
208	3311001	2	Nut #10	
210	3960462	61 in /1.55m	Seal	
211	3960464	65 in/1.67m	Seal	
212	4740500	3	Washer	
213	4751000	2	Washer #10	
214	4751600	16	Washer 3/8	
215	1001117140	AR	Tape	
216	1001270099	AR	Insulate, Heat	
218	1001236389	1	Pipe, Exhaust	
219	1001236871	1	Frame, Tubular	
220	3271601	1	Nut 3/8	
221	3900232	3	Screw 3/8 x 1-1/4	

FIGURE 2-77. HOODS INSTALLATION - STEEL (DEUTZ D2011 ENGINES)



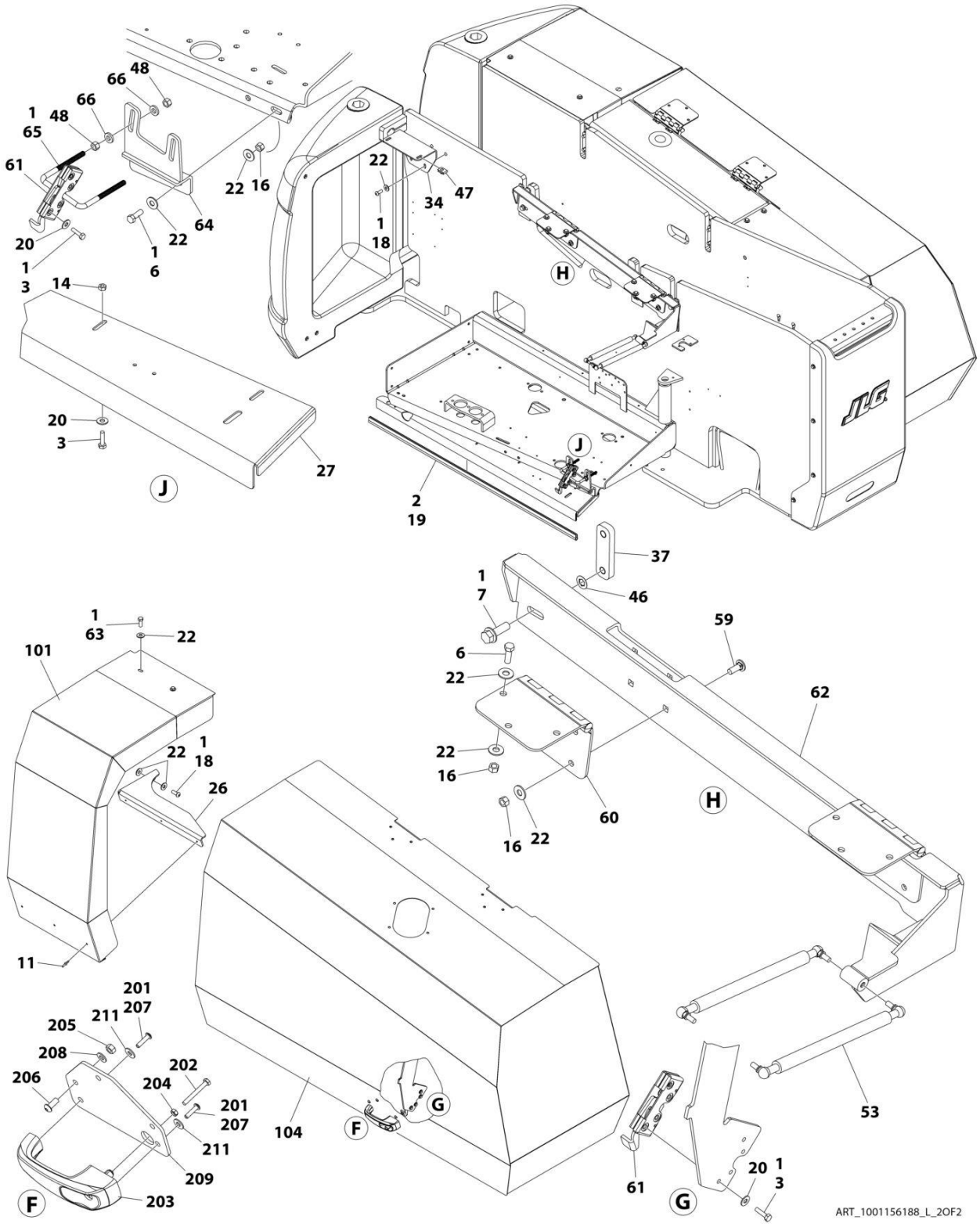
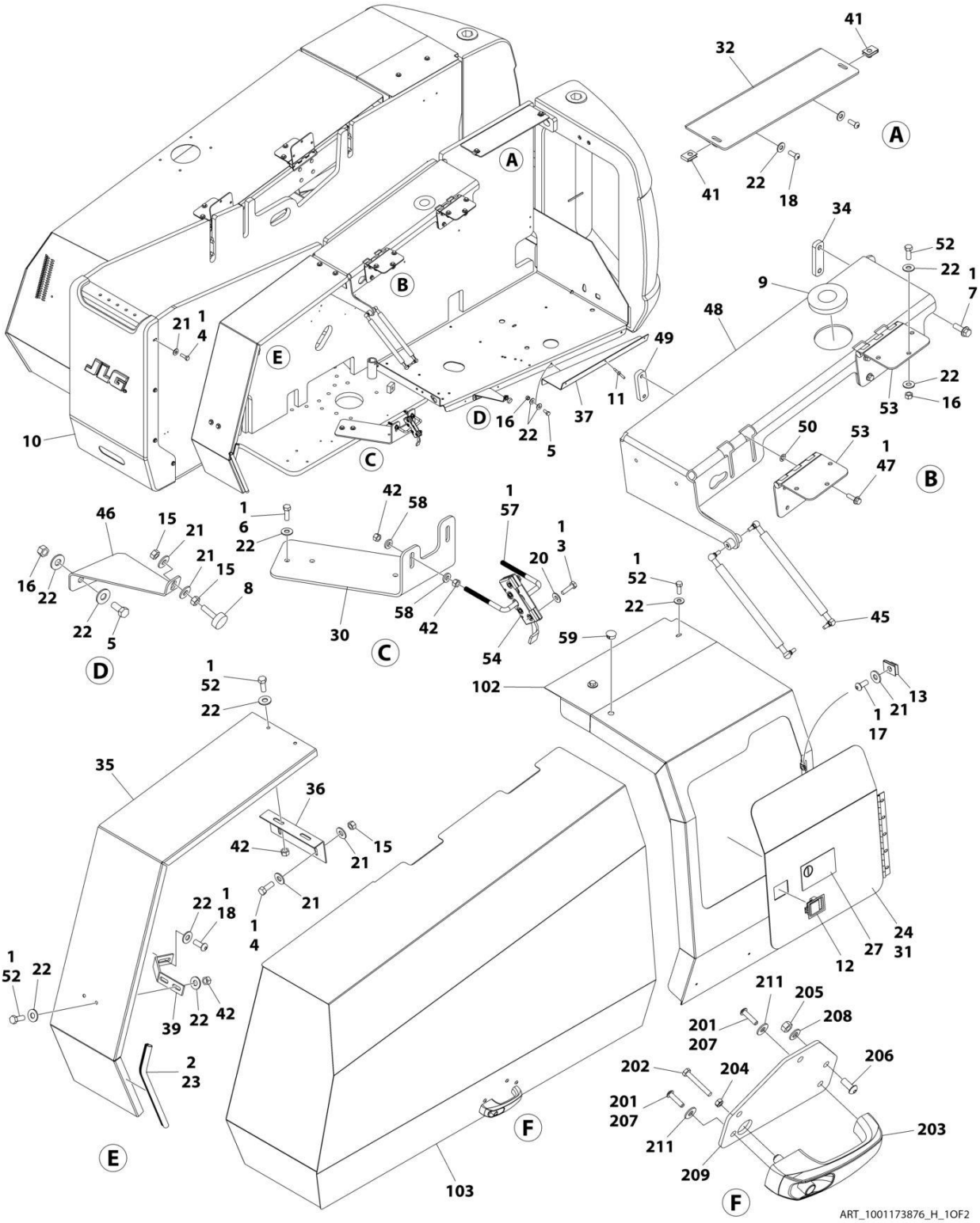

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FIGURE 2-77. HOODS INSTALLATION - STEEL (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001156188	Ref	HOODS INSTALLATION	L
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0641408	12	Bolt 1/4 x 1	
4	0641508	8	Bolt 5/16 x 1	
5	0641607	4	Bolt 3/8 x 7/8	
6	0641609	10	Bolt 3/8 x 1-1/8	
7	0811812	8	Bolt 1/2 x 2-1/4	
8	0940049	1	Stopper, Hood	
9	1120601	1	Plug	
10	1670842	1	Cover, Turntable End	
11	2080040	6	Fastener	
12	2940045	1	Latch, Paddle	
13	3300364	3	Nut, Tinnerman 5/16	
14	3311405	4	Nut 1/4	
15	3311501	2	Nut 5/16	
16	3311605	30	Nut 3/8	
17	3900210	3	Screw 5/16 x 3/4	
18	3900316	7	Screw 3/8 x 1	
19	3960389	4.2 ft /1.3m	Seal	
20	4751400	12	Washer 1/4	
21	4751500	13	Washer 5/16	
22	4751600	69	Washer 3/8	
23	1001110166	59 in/1.5m	Seal	
24	1001113047	6.5 ft/2m	Seal	
26	1001117234	1	Bracket	
27	1001117249	1	Plate	
28	1001117307	1	Decal - Emergency Stop	
31	1001250293	1	Bracket, Striker	
32	1001117598	1	Door	
33	1001158175	1	Bracket, Hood Mounting	
34	1001157867	1	Bracket, Hood Mounting	
37	1001150260	4	Plate, Hinge	
39	1001155899	1	Plate, Spacer	
40	1001157612	1	Bracket, Hood Support	
41	1001157726	1	Bracket, Hood Support	
43	1001158077	1	Bracket, Spacer Panel	
46	2080072	4	Retainer, Bolt	
47	88662523	4	Nut, Tinnerman	
48	3311601	10	Nut 3/8	
53	4160194	4	Spring, Gas	
54	1001161089	1	Bracket, Bumper	
55	0811610	8	Screw 3/8 x 1-1/4	
56	1001155895	1	Mount, Hood	
57	1001186251	4	Plate, Hinge	
58	8310070	8	Nut 3/8	
59	0630485	8	Bolt 3/8 x 1	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
60	1001186254	4	Hinge	
61	2940173	2	Latch, Rotary	
62	1001196768	1	Mount, Hood	
63	0641608	16	Screw 3/8 x 1	
64	1001250292	1	Bracket	
65	1001243414	2	Bolt 3/8	
66	4891600	8	Washer 3/8	
67	3520030	1	Plug	
100	1001290382	1	Kit, Hood (Includes Items 101-104)	
101	1001117219	1	Hood, Fixed Engine Side	
102	1001289874	1	Hood, Fixed Tank Side	
103	1001157209	1	Hood Assembly - Tank Side (Includes Items 201-211)	
104	1001157208	1	Hood Assembly - Engine Side (Includes Items 201-211) (Note: Heat Shield must be transferred from original hood or replaced before putting machine back in service)	
	1001157208	Ref	HOOD ASSEMBLY - ENGINE SIDE	D
201	0100011	AR	Compound, Locking	
202	0700618	1	Bolt M6 x 50	
203	2560187	1	Handle, Push Button	
204	3290601	1	Nut M6	
205	3311505	3	Nut 5/16	
206	3900210	3	Screw 5/16 x 3/4	
207	3900363	2	Screw M6 x 25	
208	4711500	3	Washer 5/16	
209	1001116290	1	Plate, Latch Mounting	
211	4751400	2	Washer 1/4	

FIGURE 2-78. HOODS INSTALLATION - STEEL (DEUTZ TD2.9L4 ENGINES)



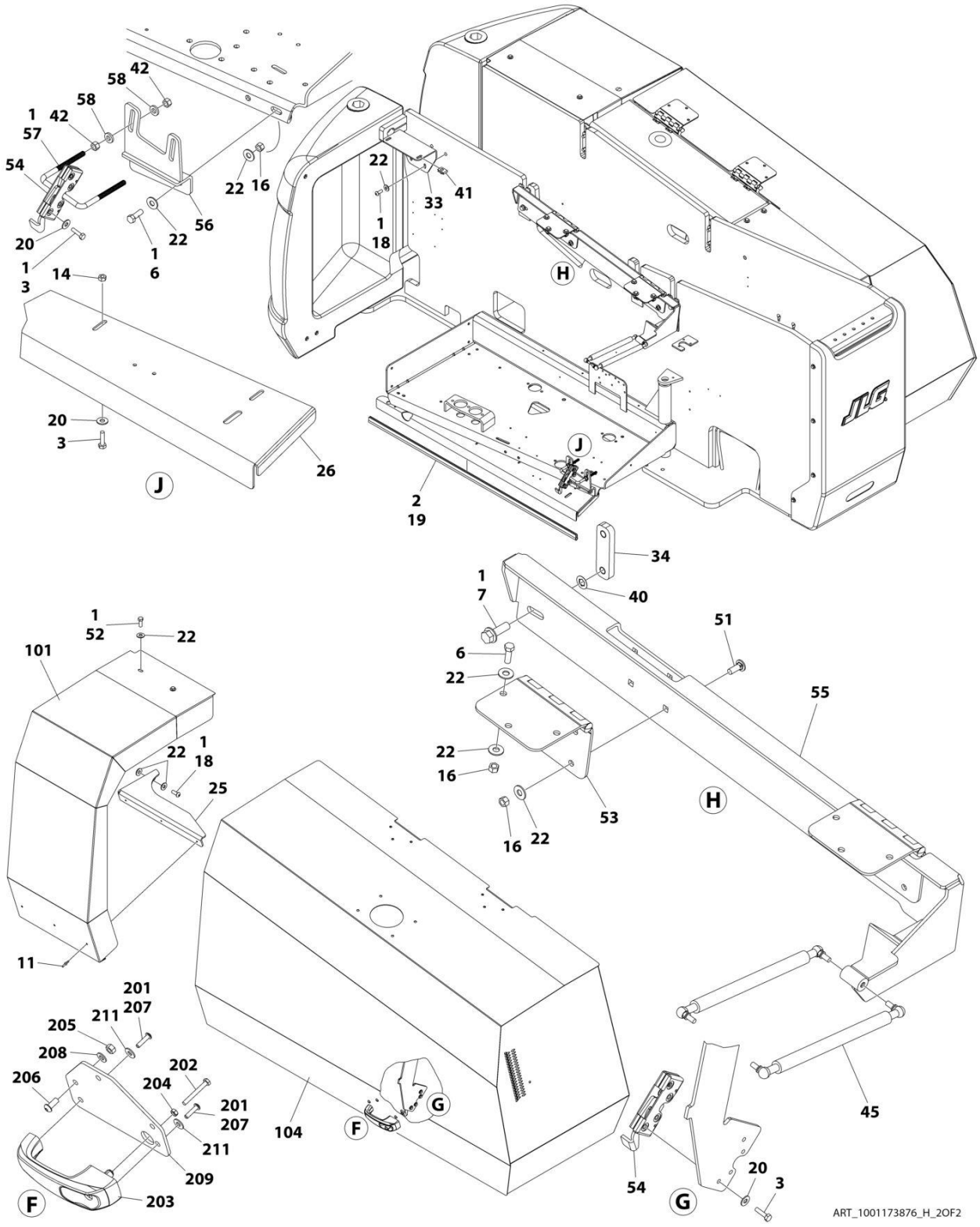
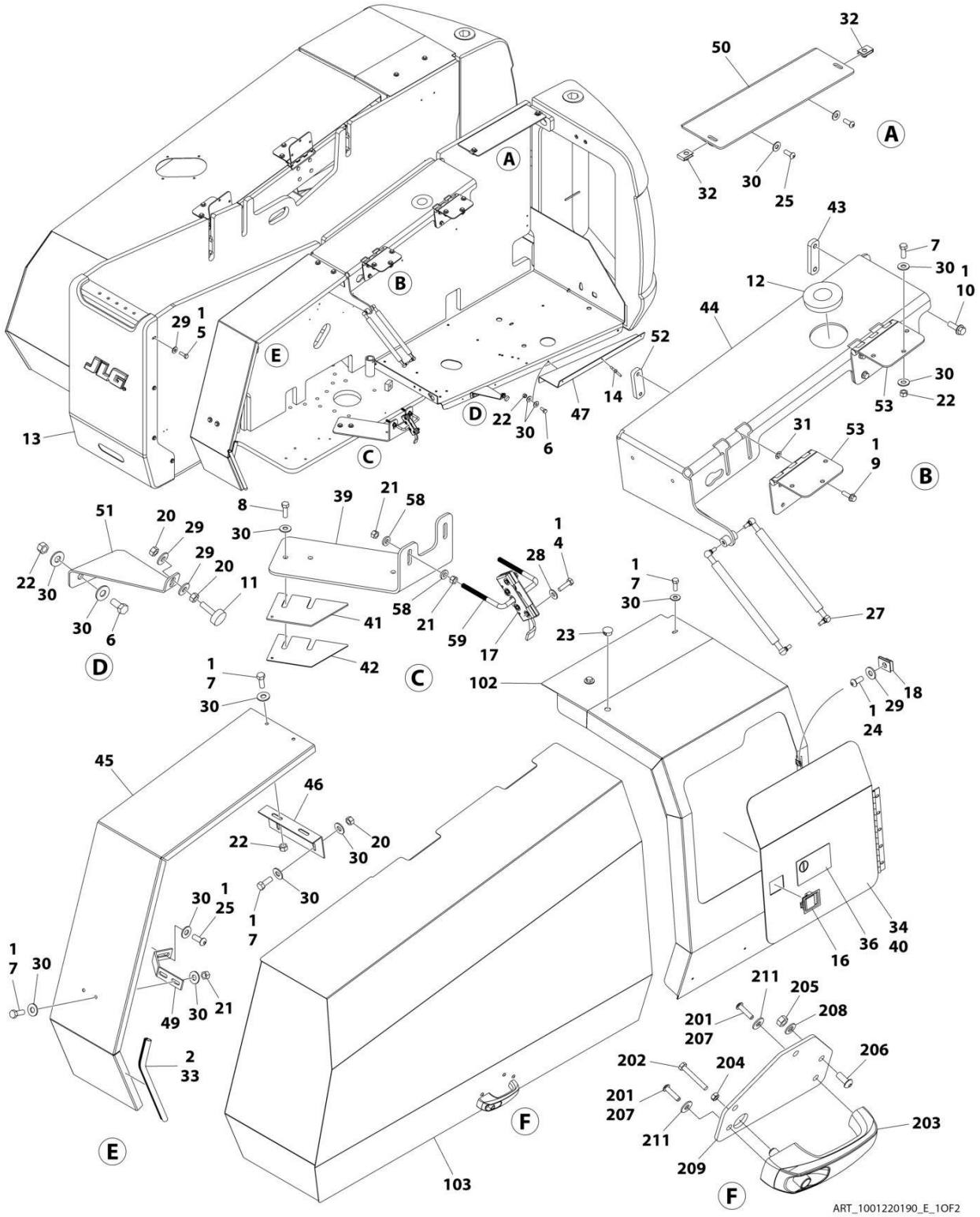

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FIGURE 2-78. HOODS INSTALLATION - STEEL (DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001173876	Ref	HOODS INSTALLATION (DEUTZ TD2.9L4 ENGINES MACHINES)	I
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0641408	12	Bolt 1/4 x 1	
4	0641508	10	Bolt 5/16 x 1	
5	0641607	2	Bolt 3/8 x 7/8	
6	0641609	10	Bolt 3/8 x 1-1/8	
7	0811812	8	Bolt 1/2 x 2-1/4	
8	0940049	1	Stopper, Hood	
9	1120601	1	Plug	
10	1670842	1	Cover, Turntable End	
11	2080040	6	Fastener	
12	2940045	1	Latch, Paddle	
13	3300364	3	Nut, Tinnerman 5/16	
14	3311405	4	Nut 1/4	
15	3311501	4	Nut 5/16	
16	3311605	24	Nut 3/8	
17	3900210	3	Screw 5/16 x 3/4	
18	3900316	7	Screw 3/8 x 1	
19	3960389	4.2 ft /1.3m	Seal	
20	4751400	12	Washer 1/4	
21	4751500	15	Washer 5/16	
22	4751600	57	Washer 3/8	
23	1001110166	59 in/1.5m	Seal	
24	1001113047	6.5 ft/2m	Seal	
25	1001117234	1	Bracket	
26	1001117249	1	Plate	
27	1001117307	1	Decal - Emergency Stop	
30	1001250293	1	Bracket, Striker	
31	1001117598	1	Door	
32	1001158175	1	Bracket, Hood Mounting	
33	1001157867	1	Bracket, Hood Mounting	
34	1001150260	4	Plate, Hinge	
35	1001155899	1	Plate, Spacer	
36	1001157612	1	Bracket, Hood Support	
37	1001157726	1	Bracket, Hood Support	
39	1001158077	1	Bracket, Spacer Panel	
40	2080072	4	Retainer, Bolt	
41	88662523	4	Nut, Tinnerman	
42	3311601	12	Nut 3/8	
45	4160194	4	Spring, Gas	
46	1001161089	1	Bracket, Bumper	
47	0811610	8	Screw 3/8 x 1-1/4	
48	1001155895	1	Mount, Hood	
49	1001186251	4	Plate, Hinge	
50	8310070	8	Nut 3/8	
51	0630485	8	Bolt 3/8 x 1	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	0641608	14	Bolt 3/8 x 1	
53	1001186254	4	Hinge	
54	2940173	2	Latch, Rotary	
55	1001196768	1	Mount, Hood	
56	1001250292	1	Bracket	
57	1001243414	2	Bolt 3/8	
58	4891600	8	Washer 3/8	
59	3520030	1	Plug	
100	1001290383	1	Kit, Hood (Includes Items 101-104)	
101	1001117219	1	Hood, Fixed Engine Side	
102	1001289874	1	Hood, Fixed Tank Side	
103	1001157209	1	Hood Assembly - Tank Side (Includes Items 201-211)	
104	1001162915	1	Hood Assembly - Engine Side (Includes Items 201-211) (Note: Heat Shield must be transferred from original hood or replaced before putting machine back in service)	
	1001162915	Ref	HOOD ASSEMBLY - ENGINE SIDE	C
201	0100011	AR	Compound, Locking	
202	0700618	1	Bolt M6 x 50	
203	2560187	1	Handle, Push Button	
204	3290601	1	Nut M6	
205	3311505	3	Nut 5/16	
206	3900210	3	Screw 5/16 x 3/4	
207	3900363	2	Screw M6 x 25	
208	4711500	3	Washer 5/16	
209	1001116290	1	Plate, Latch Mounting	
211	4751400	2	Washer 1/4	

FIGURE 2-79. HOODS INSTALLATION - STEEL (FORD ENGINES)



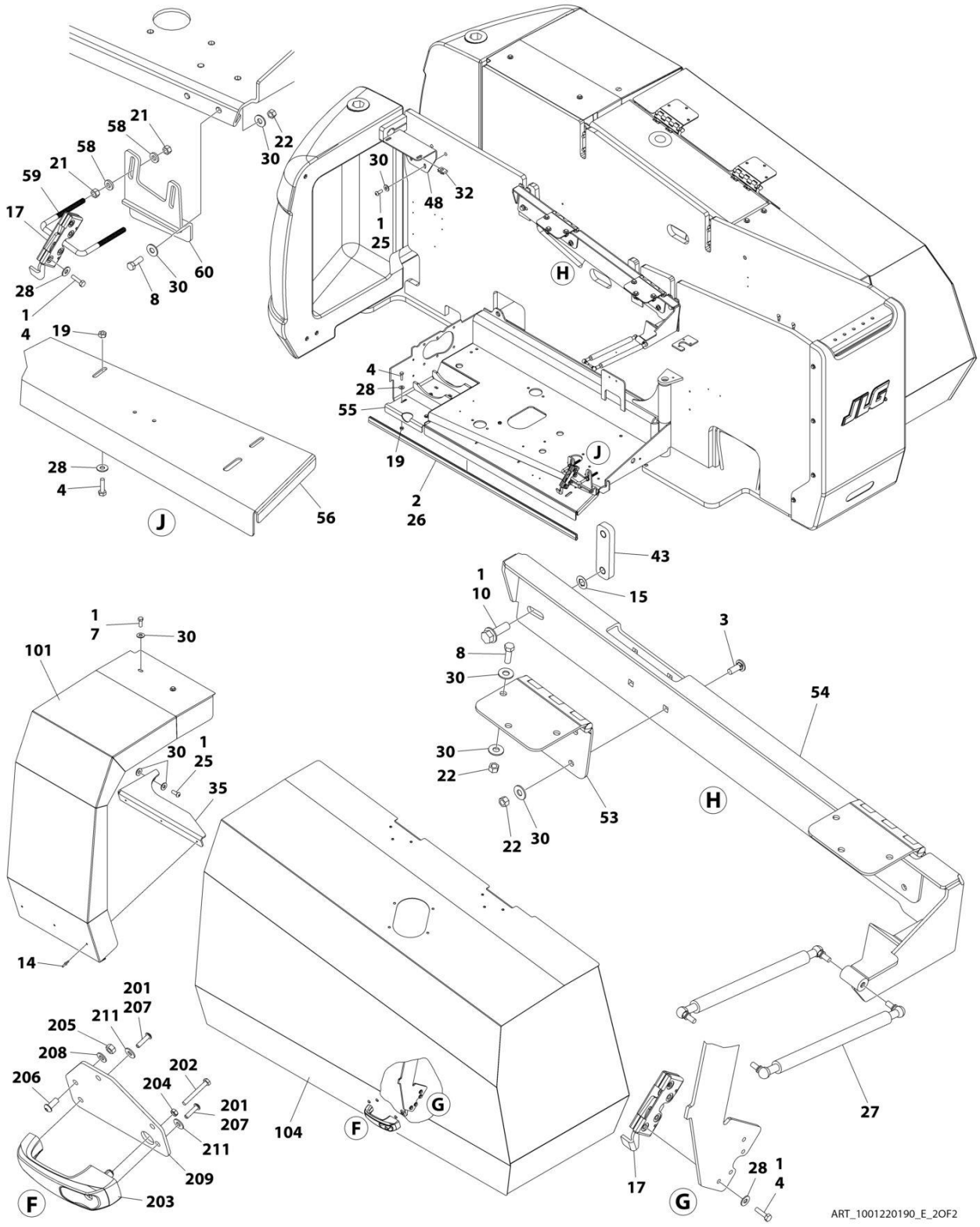

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FIGURE 2-79. HOODS INSTALLATION - STEEL (FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	NOTE: REPLACEMENT DECALS MUST BE PURCHASED SEPARATELY - SEE DECALS SECTION.	
	1001220190	Ref	HOODS INSTALLATION (FORD ENGINES MACHINES)	E
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0630485	8	Bolt 3/8 x 1	
4	0641408	13	Bolt 1/4 x 1	
5	0641508	8	Bolt 5/16 x 1	
6	0641607	4	Bolt 3/8 x 7/8	
7	0641608	16	Bolt 3/8 x 1	
8	0641609	12	Bolt 3/8 x 1-1/8	
9	0811610	8	Screw 3/8 x 1-1/4	
10	0811812	8	Bolt 1/2 x 2-1/4	
11	0940049	1	Stopper, Hood	
12	1120601	1	Plug	
13	1670842	1	Cover, Turntable End	
14	2080040	6	Fastener	
15	2080072	4	Retainer, Bolt	
16	2940045	1	Latch, Paddle	
17	2940173	2	Latch, Rotary	
18	3300364	3	Nut, Tinnerman 5/16	
19	3311405	5	Nut 1/4	
20	3311501	2	Nut 5/16	
21	3311601	10	Nut 3/8	
22	3311605	30	Nut 3/8	
23	3520030	1	Plug	
24	3900210	3	Screw 5/16 x 3/4i	
25	3900316	7	Screw 3/8 x 1	
26	3960389	4.2 ft /1.3m	Seal	
27	4160194	4	Spring, Gas	
28	4751400	13	Washer 1/4	
29	4751500	13	Washer 5/16	
30	4751600	69	Washer 3/8	
31	8310070	8	Nut 3/8	
32	88662523	4	Nut, Tinnerman	
33	1001110166	59 in/1.5m	Seal	
34	1001113047	6.5 ft/2m	Seal	
35	1001117234	1	Bracket	
36	1001117307	1	Decal - Emergency Stop	
39	1001250293	1	Bracket, Striker	
40	1001117598	1	Door	
41	1001121122	AR	Shim 3	
42	1001121123	AR	Shim 1.5	
43	1001150260	4	Plate, Hinge	
44	1001155895	1	Mount, Hood	
45	1001155899	1	Plate, Spacer	
46	1001157612	1	Bracket, Hood Support	
47	1001157726	1	Bracket, Hood Support	
48	1001157867	1	Bracket, Hood Mounting	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001158077	1	Bracket, Spacer Panel	
50	1001158175	1	Bracket, Hood Mounting	
51	1001161089	1	Bracket, Bumper	
52	1001186251	4	Plate, Hinge	
53	1001186254	4	Hinge	
54	1001196768	1	Mount, Hood	
55	1001220002	1	Plate	
56	1001220067	1	Plate	
58	4891600	4	Washer 3/8	
59	1001243414	2	Bolt 3/8	
60	1001250292	1	Bracket	
100	1001290382	1	Kit, Hood (Includes Items 101-104)	
101	1001117219	1	Hood, Fixed Engine Side	
102	1001289874	1	Hood, Fixed Tank Side	
103	1001157209	1	Hood Assembly - Tank Side (Includes Items 201-211)	
104	1001157208	1	Hood Assembly - Engine Side (Includes Items 201-211) (Note: Heat Shield item 309 must be transferred from original hood or replaced before putting machine back in service)	
	1001157208	Ref	HOOD ASSEMBLY- ENGINE SIDE	D
201	0100011	AR	Compound, Locking	
202	0700618	1	Bolt M6 x 50	
203	2560187	1	Handle, Push Button	
204	3290601	1	Nut M6	
205	3311505	3	Nut 5/16	
206	3900210	3	Screw 5/16 x 3/4	
207	3900363	2	Screw M6 x 25	
208	4711500	3	Washer 5/16	
209	1001116290	1	Plate, Latch Mounting	
211	4751400	2	Washer 1/4	

FIGURE 2-80. EXHAUST COVER AND HEAT SHIELDS INSTALLATION - STEEL HOODS (DEUTZ D2011 ENGINES)

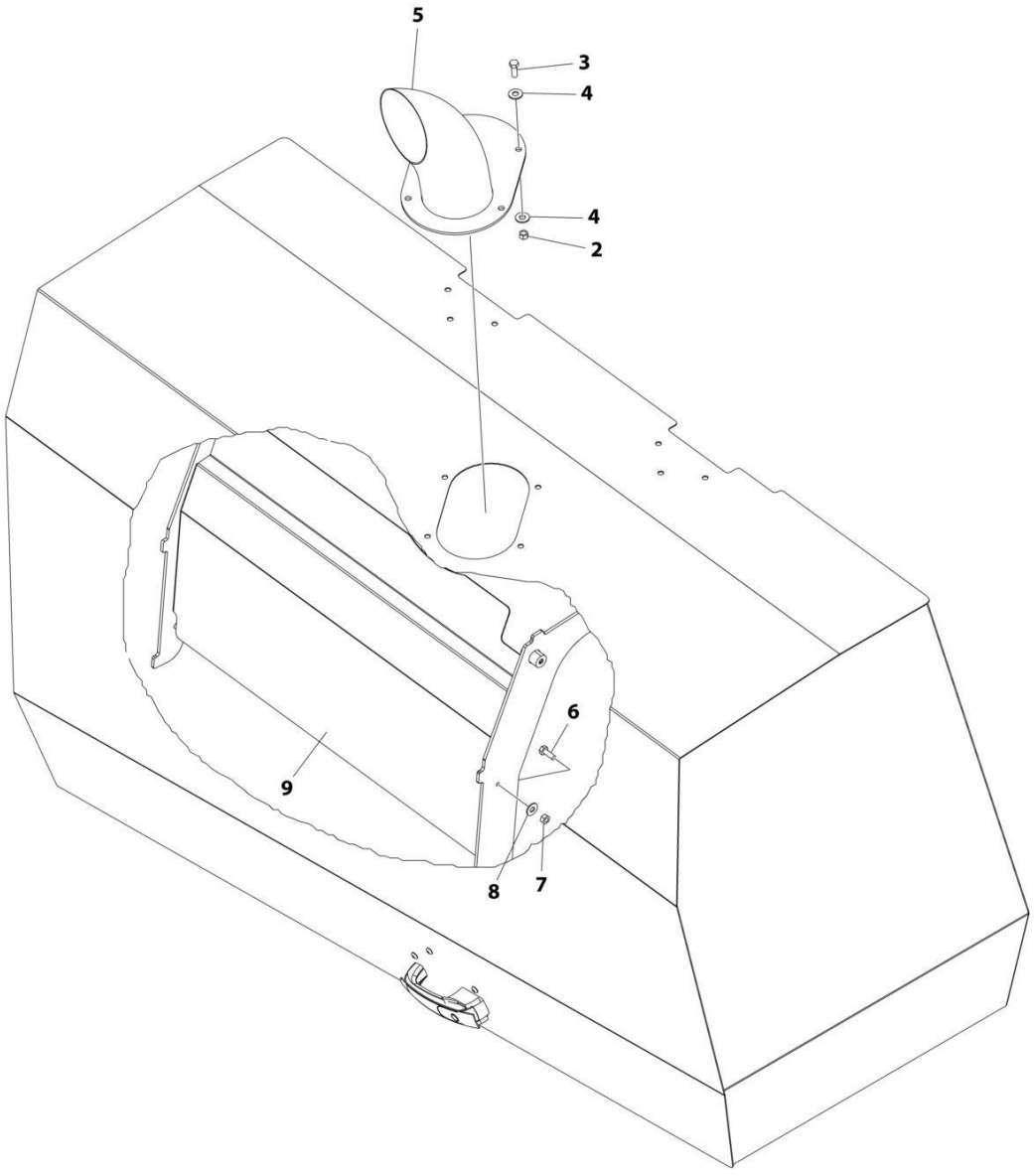


FIGURE 2-80. EXHAUST COVER AND HEAT SHIELDS INSTALLATION - STEEL HOODS (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158167	Ref	HOODS INSTALLATION	E
2	3311605	4	Nut 3/8	
3	0641608	4	Bolt 3/8 x 1	
4	4751600	8	Washer 3/8	
5	1001116456	1	Pipe, Exhaust	
6	0641406	3	Bolt 1/4 x 3/4	
7	3311405	3	Nut 1/4	
8	4751400	3	Washer 1/4	
9	1001150561	1	Shield, Heat	

FIGURE 2-81. EXHAUST COVER AND HEAT SHIELDS INSTALLATION - STEEL HOODS (DEUTZ TD2.9L4 ENGINES)

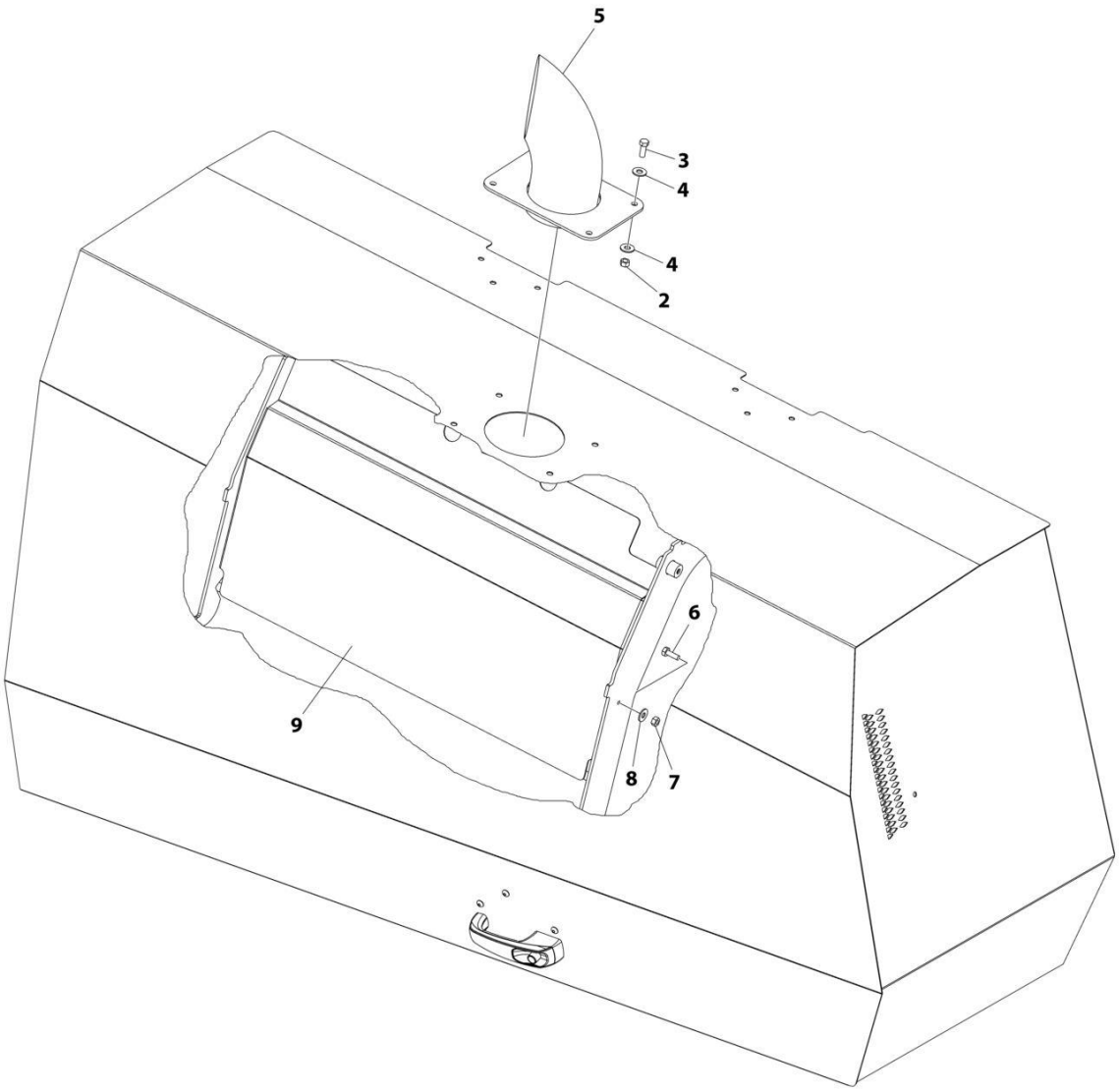


FIGURE 2-81. EXHAUST COVER AND HEAT SHIELDS INSTALLATION - STEEL HOODS (DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173878	Ref	HOODS INSTALLATION	C
2	3311605	4	Nut 3/8	
3	0641608	4	Bolt 3/8 x 1	
4	4751600	8	Washer 3/8	
5	1001144527	1	Pipe, Exhaust	
6	0641406	3	Bolt 1/4 x 3/4	
7	3311405	3	Nut 1/4	
8	4751400	3	Washer 1/4	
9	1001163101	1	Shield, Heat	

FIGURE 2-82. EXHAUST COVER INSTALLATION - STEEL HOODS (FORD ENGINES)

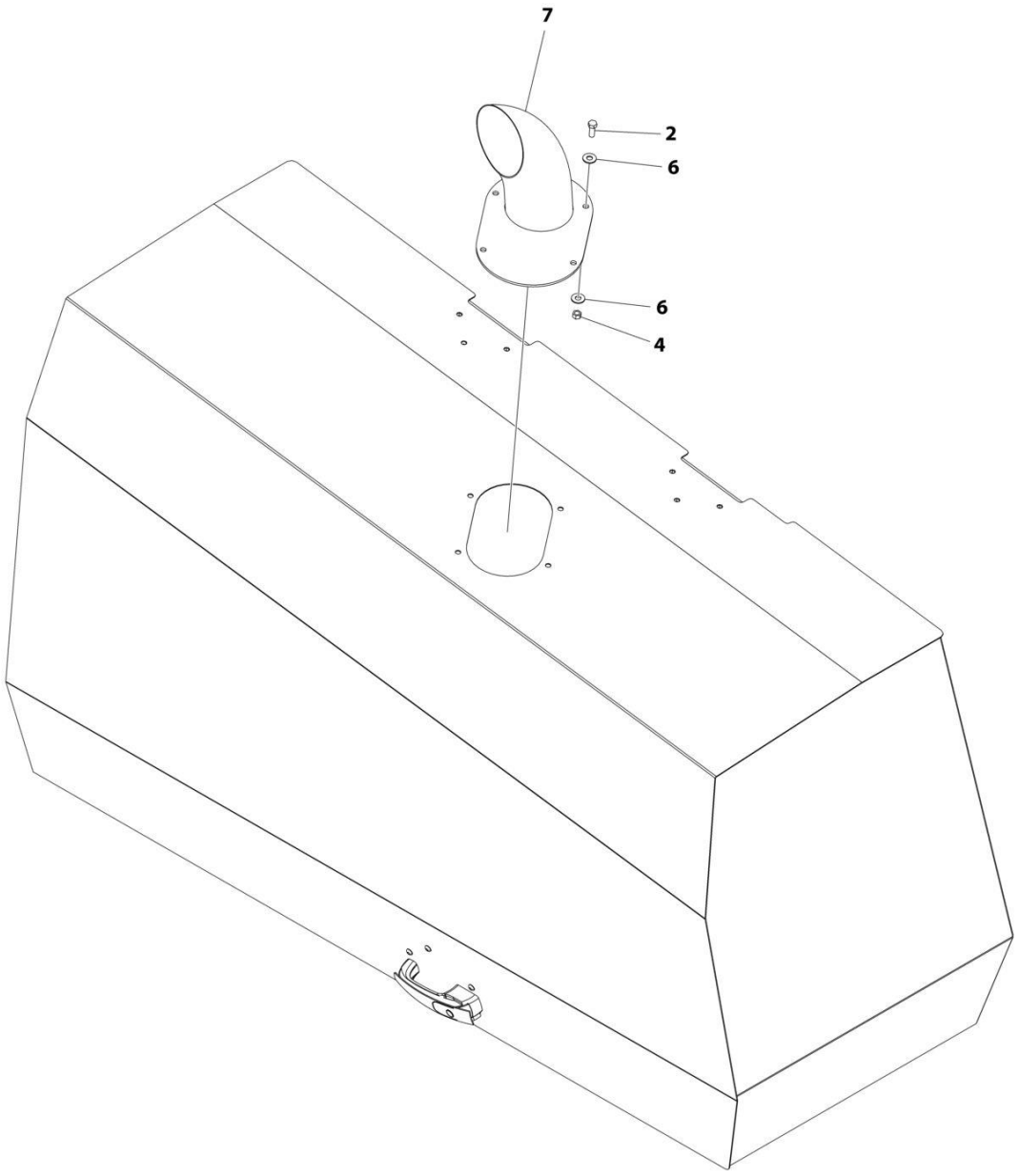


FIGURE 2-82. EXHAUST COVER INSTALLATION - STEEL HOODS (FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220189	Ref	HOODS INSTALLATION	C
2	0641608	4	Bolt 3/8 x 1	
4	3311605	4	Nut 3/8	
6	4751600	8	Washer 3/8	
7	1001116457	1	Pipe, Exhaust	

SECTION 3 - ENGINE

FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

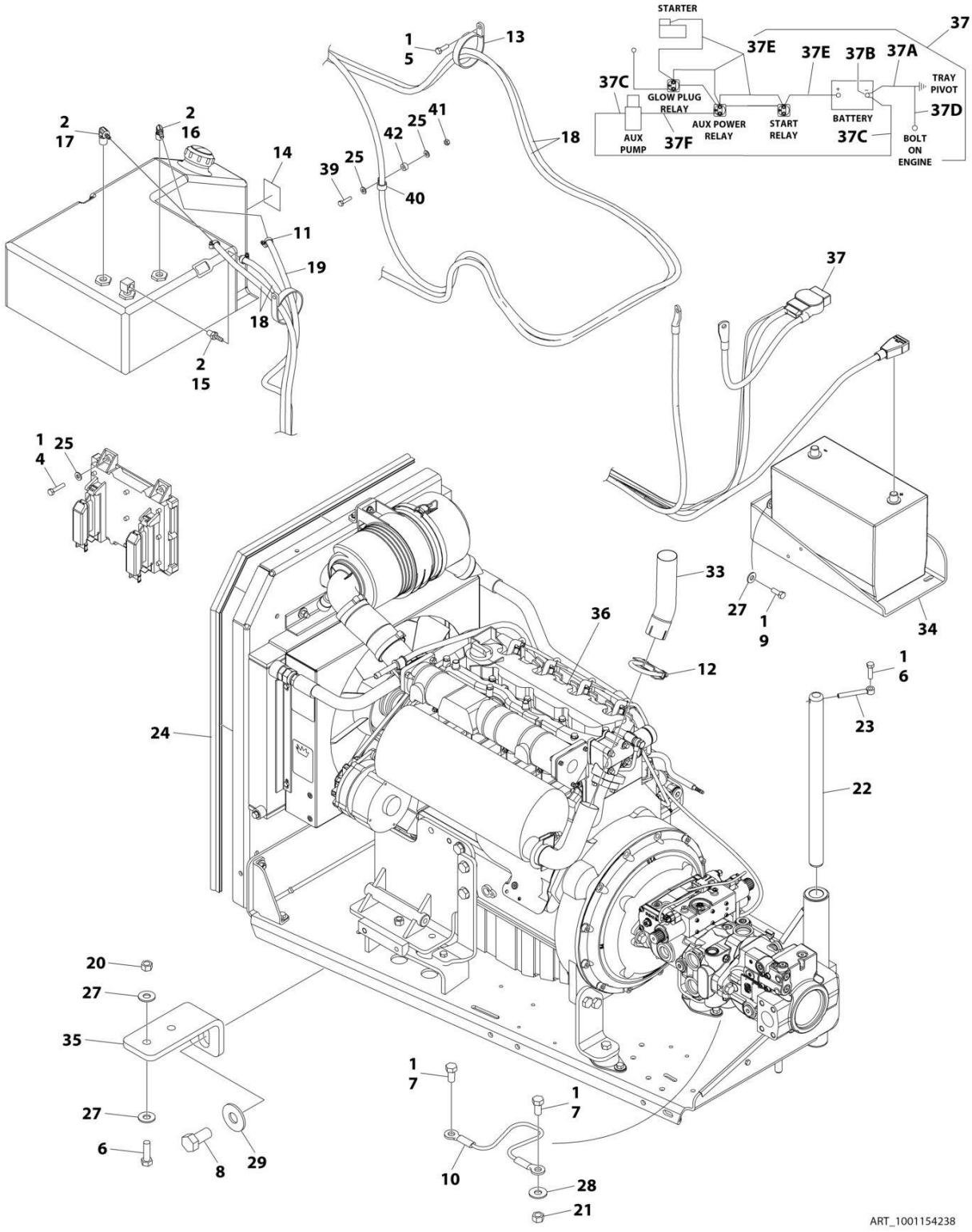


FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154238	Ref	DEUTZ D2011 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)	F
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
4	0641410	4	Bolt 1/4 x 1-1/4	
5	0641508	1	Bolt 5/16 x 1	
6	0641610	3	Bolt 3/8 x 1-1/4	
7	0641808	2	Bolt 1/2 x 1	
8	0642010	1	Bolt 5/8 x 1-1/4	
9	0681608	3	Bolt 3/8 x 1 Grade 8	
10	1060637	1	Cable, Lanyard	
11	1320022	5	Clamp, Hose	
12	1320176	1	Clamp	
13	1321339	1	Clamp	
14	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
15	2180348	1	Fitting, Straight NPT/Barbed	
16	2220313	1	Fitting, 90 NPT/Barbed	
17	2221176	1	Fitting, 90 NPT/Barbed	
18	2720058	30 ft/ 9m	Hose	
19	2750532	6 ft/ 1.8m	Hose	
20	3311605	2	Nut 3/8	
21	3311801	1	Nut 1/2	
22	3422446	1	Pin, Pivot	
23	3841143	1	Pin, Keeper	
24	3960389	5 ft/ 1.5m	Seal	
25	4711400	6	Washer 1/4	
27	4751600	7	Washer 3/8	
28	4751800	1	Washer 1/2	
29	4752000	1	Washer 5/8	
33	1001101600	1	Tube, Exhaust	
34	1001162497	1	Bracket	
35	1001151070	1	Plate	
36	1001154236	1	Engine and Pump Assembly without Arctic Package (See Separate Breakdown in this Section)	
37	1001155143	1	Kit, Battery Cable	
37A	7027092	1	Cable, Battery (Black) (Battery - to Tray Pivot and Relay Grd)	
37B	8270147	1	Terminal, Battery (With Boot) Cable, Battery (Black)	
37C	7027093	1	Cable, Battery (Black) (Battery - to Aux Pump Ground)	
37D	7027053	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
37E	7027094	1	Cable (Red) (Battery + to Relays/Starter)	
37F	7027095	1	Cable (Red) (Aux Relay to Aux Pump)	
39	0641409	1	Bolt 1/4 x 1-1/8	
40	1320224	1	Clamp	
41	3311405	1	Nut 1/4	
42	1001110425	1	Spacer	

FIGURE 3-2. DEUTZ D2011 ENGINE INSTALLATION (WITH ARCTIC PACKAGE)

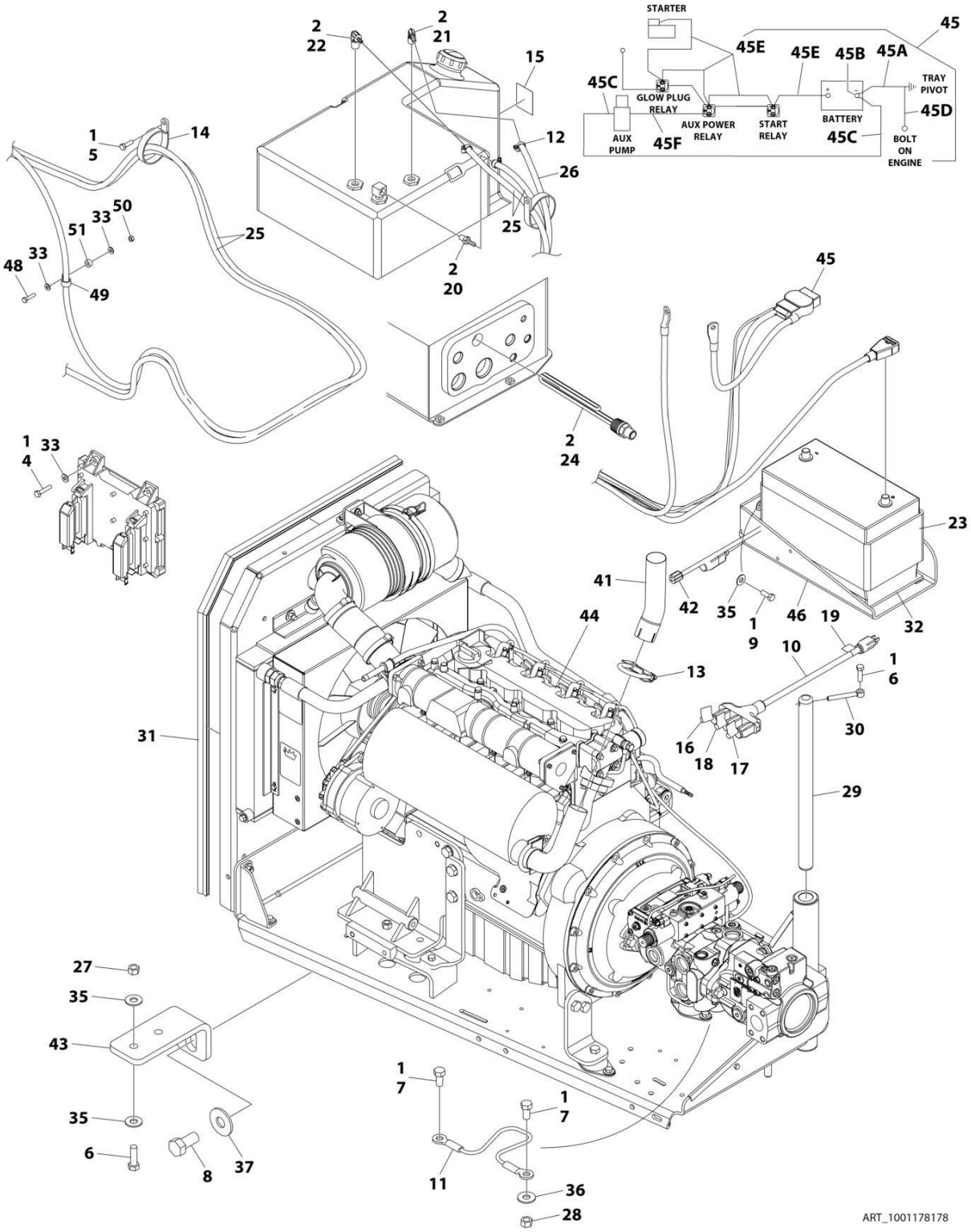


FIGURE 3-2. DEUTZ D2011 ENGINE INSTALLATION (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178178	Ref	DEUTZ D2011 ENGINE INSTALLATION (WITH ARCTIC PACKAGE)	E
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
4	0641410	4	Bolt 1/4 x 1-1/4	
5	0641508	1	Bolt 5/16 x 1	
6	0641610	3	Bolt 3/8 x 1-1/4	
7	0641808	2	Bolt 1/2 x 1	
8	0642010	1	Bolt 5/8 x 1-1/4	
9	0681608	3	Bolt 3/8 x 1 Grade 8	
10	1060626	1	Cord, 3 Way Extension (Located on Left Front of Engine)	
11	1060637	1	Lanyard	
12	1320022	5	Clamp	
13	1320176	1	Clamp	
14	1321339	1	Clamp	
15	1701505	1	Decal - Fuel (Diesel)	
16	1702941	1	Decal - Battery Heater (Located on Battery Heater)	
17	1702942	1	Decal - Engine Block Heater (Located on Right Side of Engine)	
18	1702943	1	Decal - Hydraulic Tank Heater (Located on bottom of Hydraulic Oil Tank)	
19	1702944	1	Decal - Heater Cord (Located on Left Front of Engine)	
20	2180348	1	Fitting, Straight Barbed	
21	2220313	1	Fitting, 90 NPT/Barbed	
22	2221176	1	Fitting, 90 NPT/Barbed	
23	2580024	1	Heater, Battery (Located on Battery)	
24	1001188972	1	Heater, Hydraulic Tank (Located on bottom of Hydraulic Oil Tank)	
25	2720058	30 ft/ 9m	Hose	
26	2750532	6 ft/ 1.8m	Hose	
27	3311605	2	Nut 3/8	
28	3311801	1	Nut 1/2	
29	3422446	1	Pin, Pivot	
30	3841143	1	Pin, Keeper	
31	3960389	5 ft/ 1.5m	Seal	
32	3980007	1	Seat, Battery	
33	4711400	6	Washer 1/4	
35	4751600	7	Washer 3/8	
36	4751800	1	Washer 1/2	
37	4752000	1	Washer 5/8	
41	1001101600	1	Tube, Exhaust	
42	1001150918	1	Cord, 8ft Extension (Located near Battery)	
43	1001151070	1	Plate	
44	1001154237	1	Engine and Pump Assembly with Arctic Package (See Separate Breakdown in this Section)	
45	1001155143	1	Kit, Battery Cable	
45	7027092	1	Cable, Battery (Black) (Battery - to Tray Pivot and Relay Grd)	
45	8270147	1	Terminal, Battery (With Boot) Cable, Battery (Black)	
45	7027093	1	Cable, Battery (Black) (Battery - to Aux Pump Ground)	
45	7027053	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
45	7027094	1	Cable (Red) (Battery + to Relays/Starter)	
45	7027095	1	Cable (Red) (Aux Relay to Aux Pump)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001162497	1	Bracket, Battery	
48	0641409	1	Bolt 1/4 x 1-1/8	
49	1320224	1	Clamp	
50	3311405	1	Nut 1/4	
51	1001110425	1	Spacer	

FIGURE 3-3. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

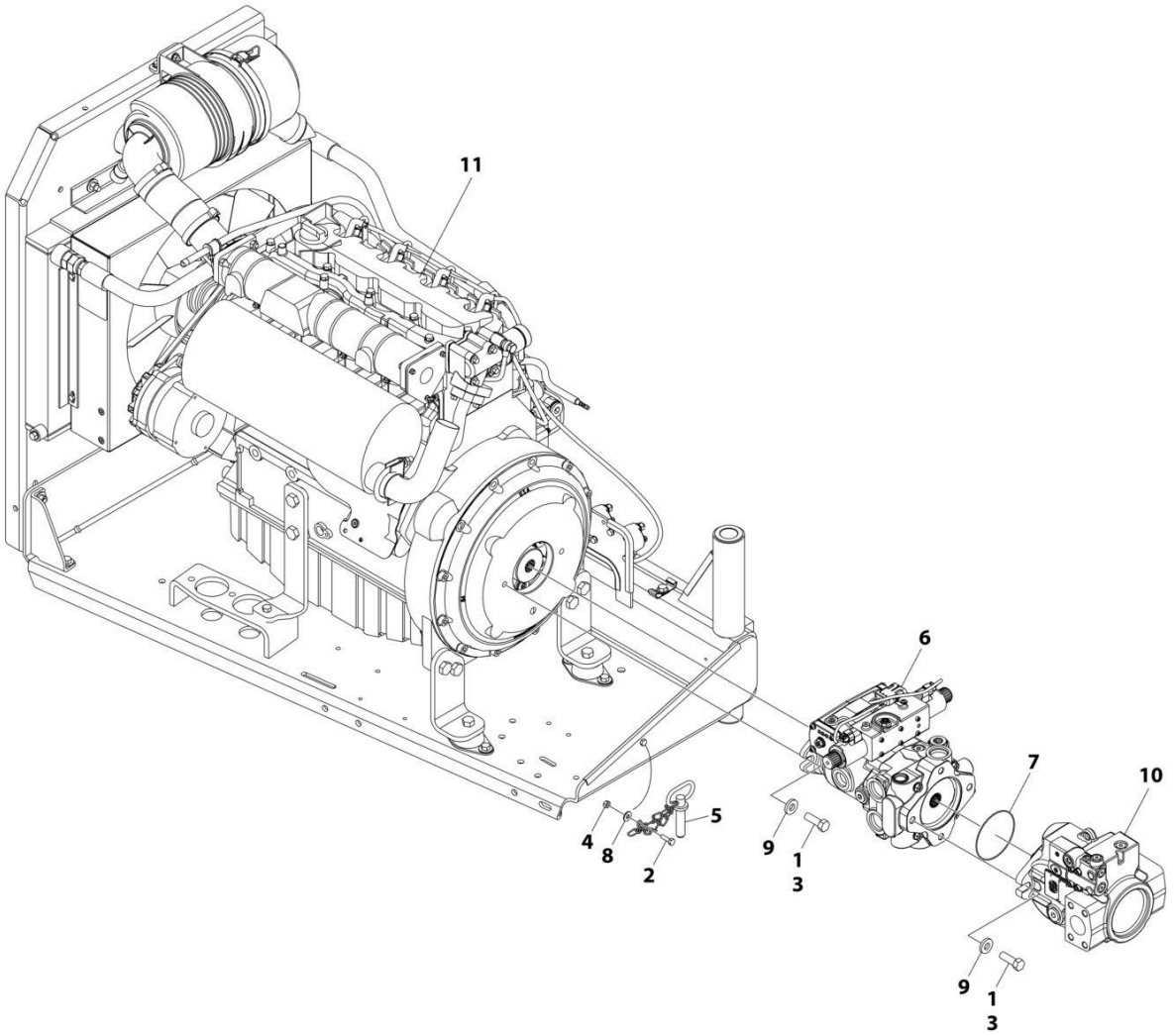


FIGURE 3-3. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154236	Ref	DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)	D
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641812	4	Bolt 1/2 x 1-1/2	
4	3311405	1	Nut 1/4	
5	3422532	1	Pin, Hitch	
6	1001225745	1	Hydrostatic Pump Assembly with Fittings (See Separate Breakdown in this Section)	
7	3790044	1	O-Ring	
8	4751400	1	Washer 1/4	
9	4891800	4	Washer 1/2	
10	1001094595	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	
11	1001153396	1	Engine Assembly Without Arctic Package (See Separate Breakdown in this Section)	

FIGURE 3-4. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

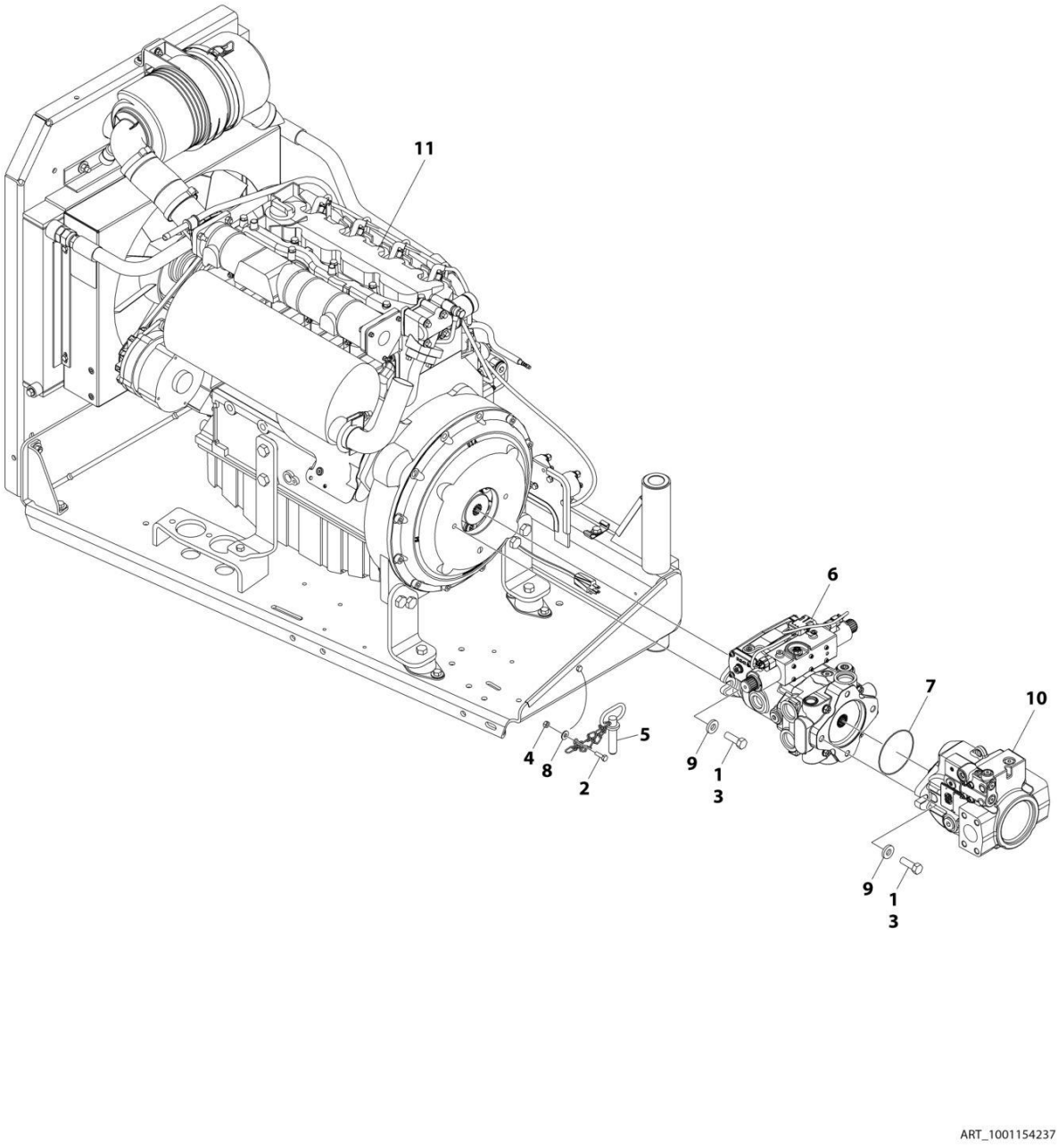
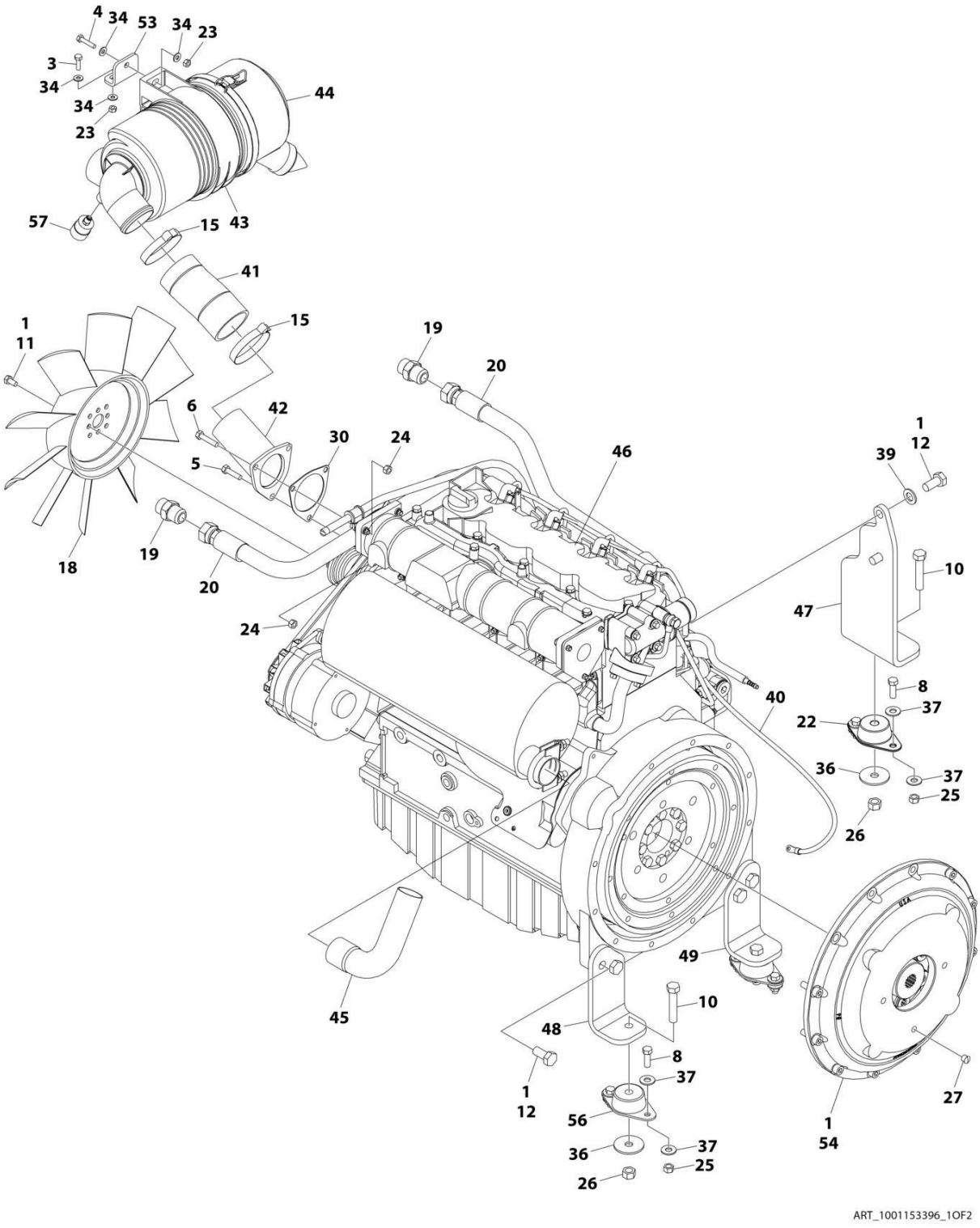
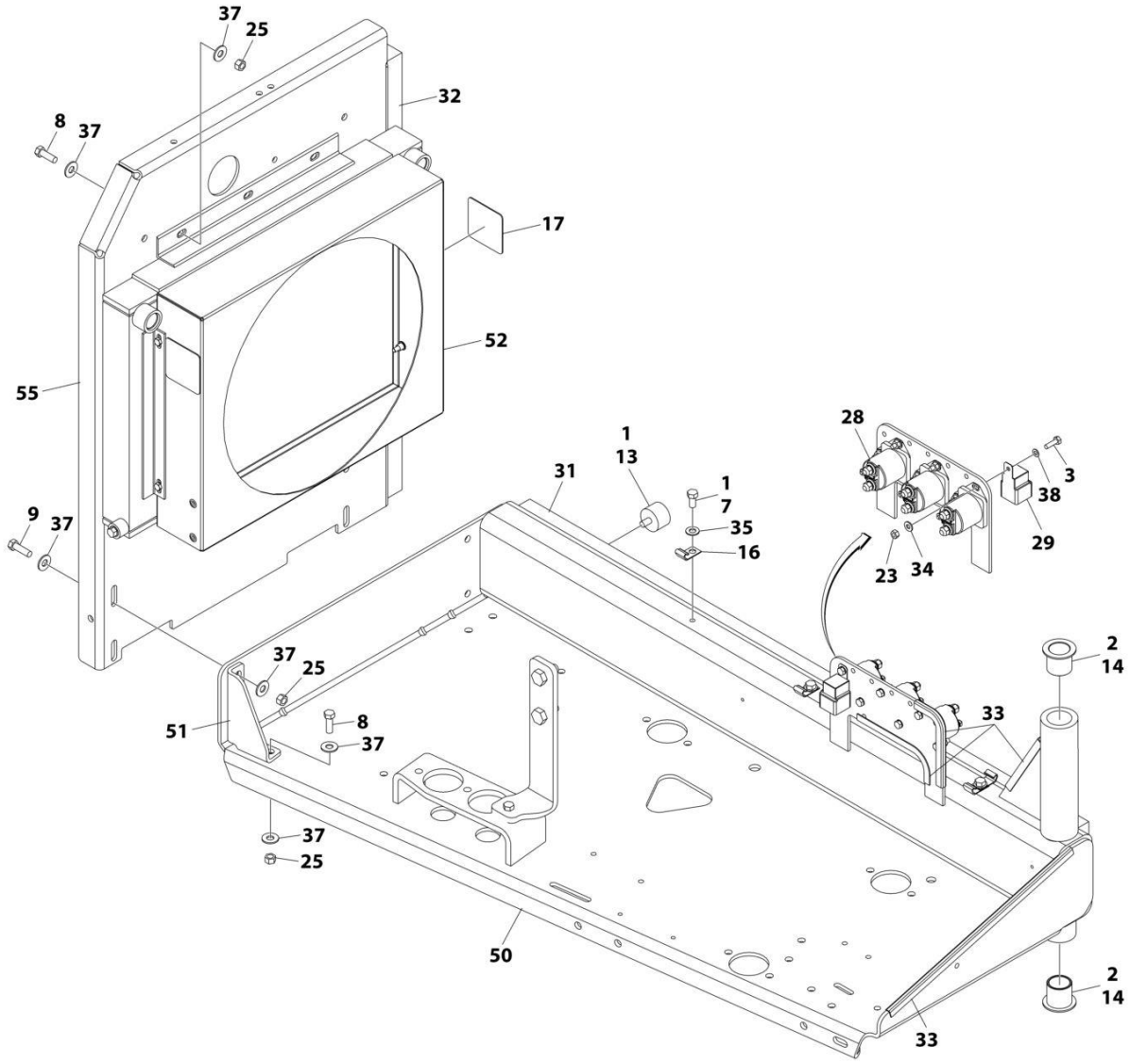


FIGURE 3-4. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154237	Ref	DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)	D
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641812	4	Bolt 1/2 x 1-1/2	
4	3311405	1	Nut 1/4	
5	3422532	1	Pin, Hitch	
6	1001225745	1	Hydrostatic Pump Assembly with Fittings (See Separate Breakdown in this Section)	
7	3790044	1	O-Ring	
8	4751400	1	Washer 1/4	
9	4891800	4	Washer 1/2	
10	1001094595	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	
11	1001153779	1	Engine Assembly With Arctic Package (See Separate Breakdown in this Section)	

FIGURE 3-5. DEUTZ D2011 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)





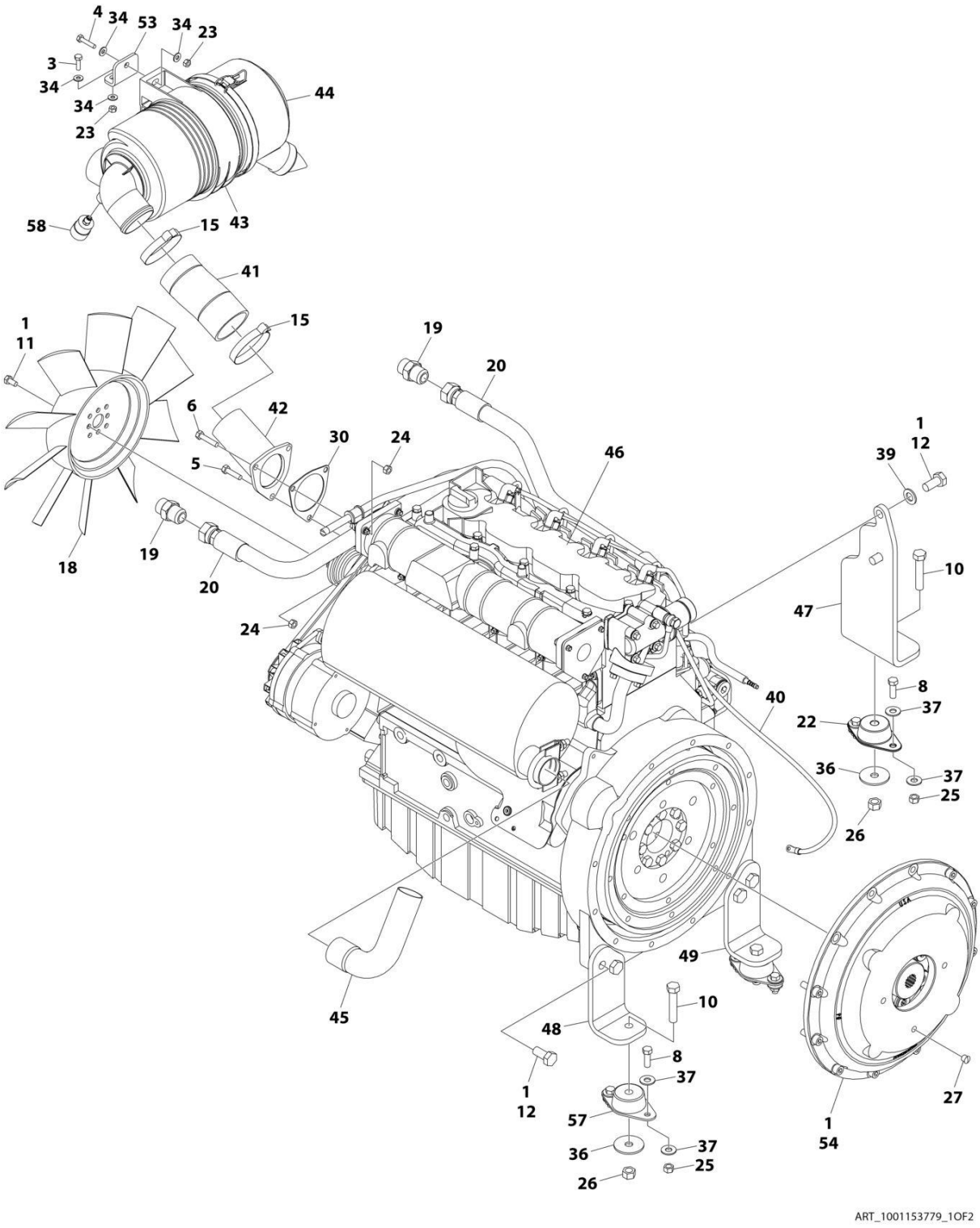
ART_1001153396_2OF2

FIGURE 3-5. DEUTZ D2011 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153396	Ref	ENGINE ASSEMBLY WITHOUT ARCTIC PACKAGE	H
1	0100011	AR	Compound, Locking	
2	0100062	AR	Compound, Locking	
3	0641407	8	Bolt 1/4 x 7/8	
4	0641410	2	Bolt 1/4 x 1-1/4	
5	0641510	2	Bolt 5/16 x 1-1/4	
6	0641512	1	Bolt 5/16 x 1-1/2	
7	0641606	3	Bolt 3/8 x 3/4	
8	0641609	14	Bolt 3/8 x 1-1/8	
9	0641610	4	Bolt 3/8 x 1-1/4	
10	0641820	3	Bolt 1/2 x 2-1/2	
11	0700808	4	Bolt M8 x 16	
12	0771414	6	Bolt M14 x 30	
13	0940070	1	Bumper	
14	0961986	2	Bushing, Flanged	
15	1320016	2	Clamp	
16	1320223	4	J-Clip	
17	1703162	2	Decal - Caution Fan Blade	
18	2060025	1	Fan	
19	2220451	2	Fitting, Straight	
20	2720398	2	Hose, Oil Cooler	
22	3200406	1	Mount, Motor	
23	3311405	10	Nut 1/4	
24	3311505	3	Nut 5/16	
25	3311605	18	Nut 3/8	
26	3311805	3	Nut 1/2	
27	3520054	2	Plug	
28	3740067	3	Relay	
29	3740080	1	Relay	
30	3960407	1	Gasket, Air Intake	
31	3960468	1	Seal	
32	3960469	1	Seal	
33	4060805	37 in/1m	Flex-Trim	
34	4711400	14	Washer 1/4	
35	4711600	3	Washer 3/8	
36	4740274	3	Washer, Snubbing	
37	4751600	36	Washer 3/8	
38	4791400	6	Washer, Star 1/4	
39	4812200	2	Washer M14	
40	4923379	1	Harness, Glow Plug	
41	1001001939	1	Hose, Flex	
42	1001146273	1	Adapter, Air Intake	
43	1001147812	1	Clamp	
44	1001147813	1	Air Cleaner Assembly Filter Element	
44	70004020	1	Element, Filter (Not Shown)	
45	1001147820	1	Pipe, Exhaust	
46	1001147823	1	Engine, Deutz D2011 (See Separate Breakdown in this section)	
47	1001149704	1	Support, Engine	
48	1001149705	1	Support, Engine	
49	1001149706	1	Support, Engine	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001149793	1	Tray, Engine	
51	1001150915	1	Gusset	
52	1001150998	1	Radiator	
53	1001152459	1	Plate, Air Cleaner Mounting	
54	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this section)	
55	1001153414	1	Plate, Radiator Mounting	
56	3200401	2	Mount, Motor	
57	1001143390	1	Indicator	

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



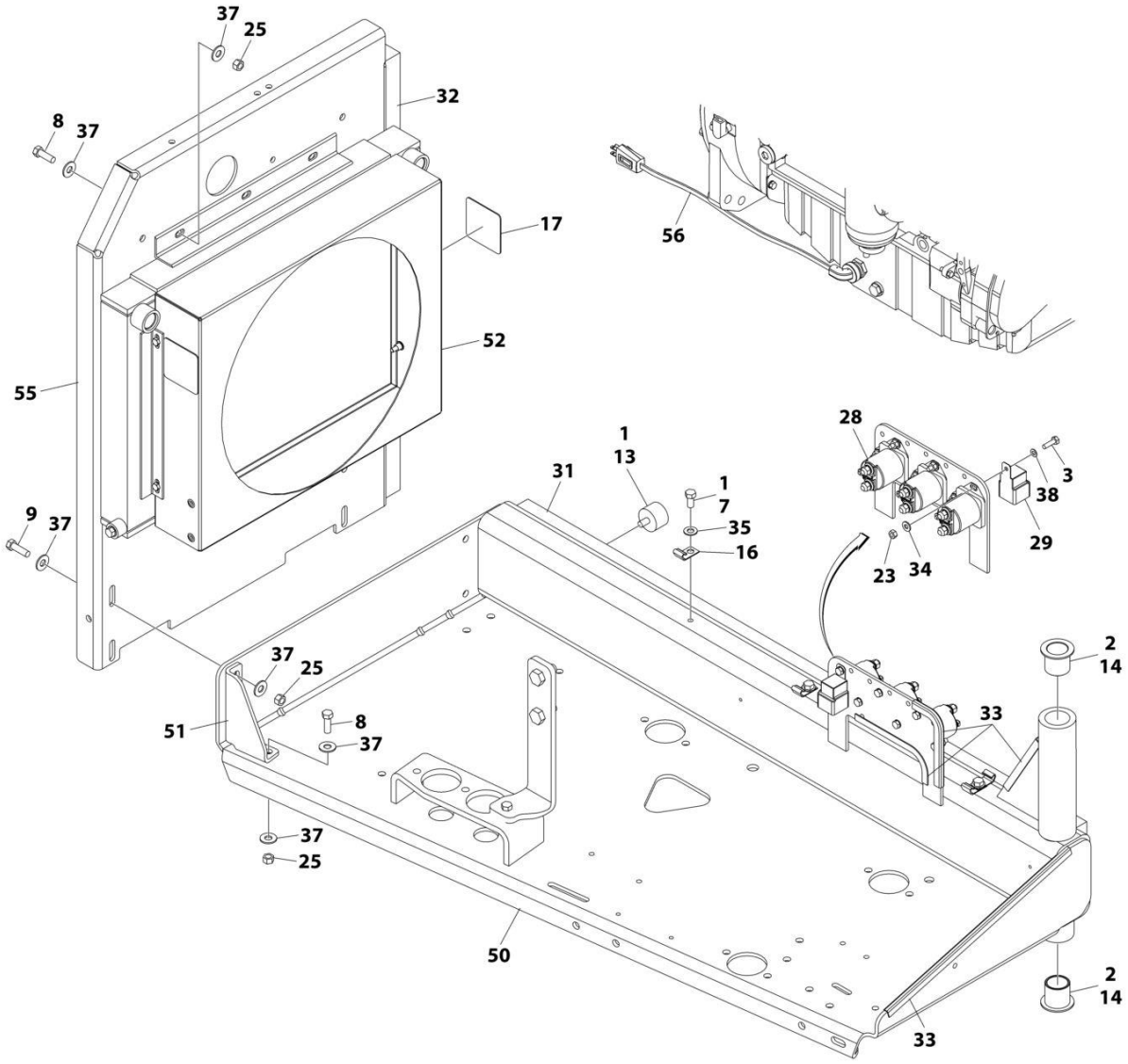

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ART_1001153779_2OF2

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153779	Ref	ENGINE ASSEMBLY WITH ARCTIC PACKAGE	H
1	0100011	AR	Compound, Locking	
2	0100062	AR	Compound, Locking	
3	0641407	8	Bolt 1/4 x 7/8	
4	0641410	2	Bolt 1/4 x 1-1/4	
5	0641510	2	Bolt 5/16 x 1-1/4	
6	0641512	1	Bolt 5/16 x 1-1/2	
7	0641606	3	Bolt 3/8 x 3/4	
8	0641609	14	Bolt 3/8 x 1-1/8	
9	0641610	4	Bolt 3/8 x 1-1/4	
10	0641820	3	Bolt 1/2 x 2-1/2	
11	0700808	4	Bolt M8 x 16	
12	0771414	6	Bolt M14 x 30	
13	0940070	1	Bumper	
14	0961986	2	Bushing, Flanged	
15	1320016	2	Clamp	
16	1320223	4	J-Clip	
17	1703162	2	Decal - Caution Fan Blade	
18	2060025	1	Fan	
19	2220451	2	Fitting, Straight	
20	2720398	2	Hose, Oil Cooler	
22	3200406	1	Mount, Motor	
23	3311405	10	Nut 1/4	
24	3311505	3	Nut 5/16	
25	3311605	18	Nut 3/8	
26	3311805	3	Nut 1/2	
27	3520054	2	Plug	
28	3740067	3	Relay	
29	3740080	1	Relay	
30	3960407	1	Gasket, Air Intake	
31	3960468	1	Seal	
32	3960469	1	Seal	
33	4060805	37 in/1m	Flex-Trim	
34	4711400	14	Washer 1/4	
35	4711600	3	Washer 3/8	
36	4740274	3	Washer, Snubbing	
37	4751600	36	Washer 3/8	
38	4791400	6	Washer, Star 1/4	
39	4812200	2	Washer M14	
40	4923379	1	Harness, Glow Plug	
41	1001001939	1	Hose, Flex	
42	1001146273	1	Adapter, Air Intake	
43	1001147812	1	Clamp	
44	1001147813	1	Air Cleaner Assembly Filter Element	
44	70004020	1	Element, Filter (Not Shown)	
45	1001147820	1	Pipe, Exhaust	
46	1001147823	1	Engine, Deutz D2011 (See Separate Breakdown in this Section)	
47	1001149704	1	Support, Engine	
48	1001149705	1	Support, Engine	
49	1001149706	1	Support, Engine	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001149793	1	Tray, Engine	
51	1001150915	1	Gusset	
52	1001150998	1	Radiator	
53	1001152459	1	Plate, Air Cleaner Mounting	
54	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
55	1001153414	1	Plate, Radiator Mounting	
56	2580062	1	Heater, Block	
57	3200401	2	Mount, Motor	
58	1001143390	1	Indicator	

FIGURE 3-7. DEUTZ D2011 ENGINE COMPONENTS

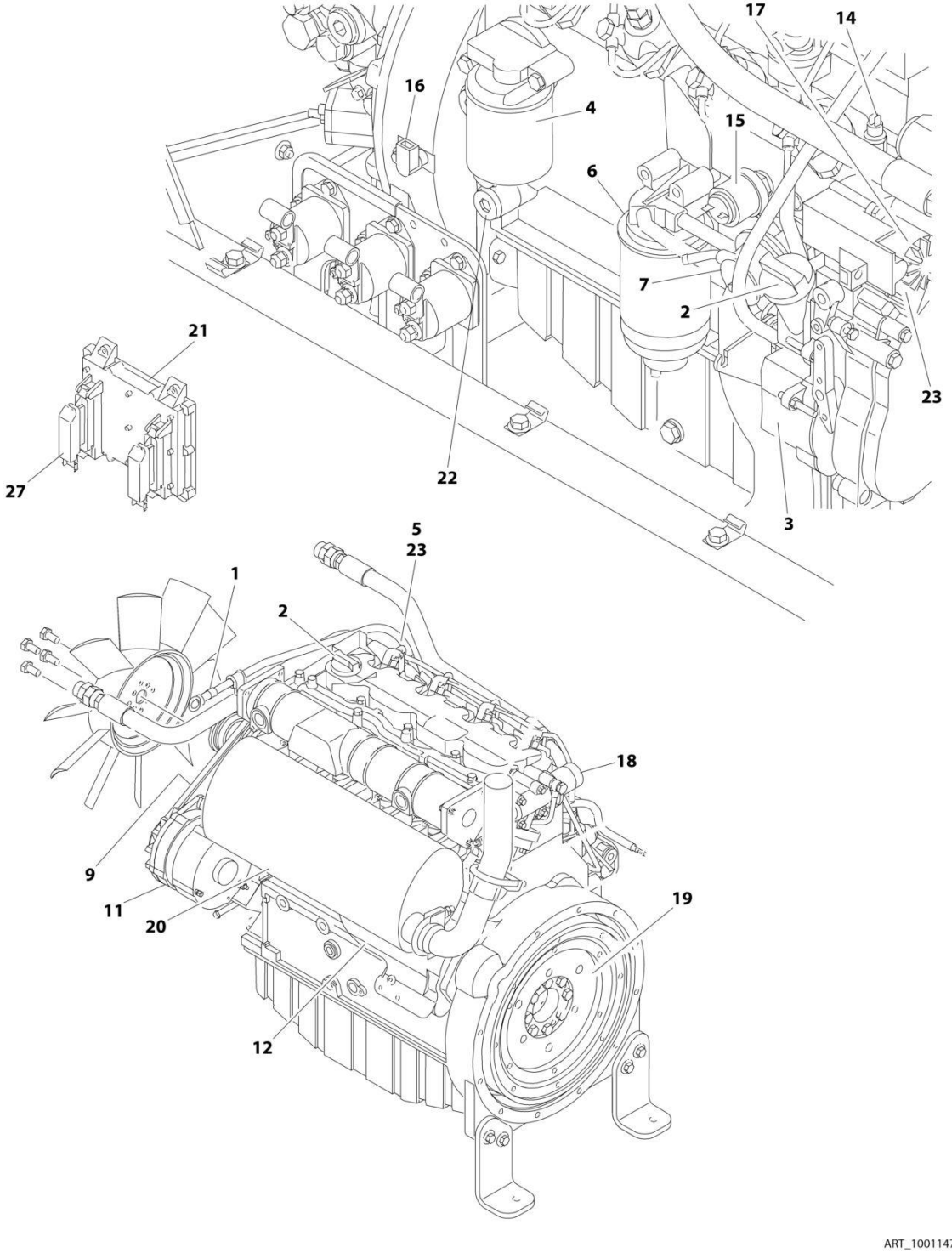


FIGURE 3-7. DEUTZ D2011 ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001147823	Ref	ENGINE COMPONENTS	C
1	70004287	1	Dipstick	
1	70000044	1	Seal, Dipstick	
1	70001002	1	Tube, Dipstick	
1	7020403	1	Seal, Dipstick Tube	
2	7020465	2	Cap, Filler	
3	70001850	1	Pump, Oil Lube	
3	7020468	1	Seal Between Oil Pump and Engine Block (Not Shown)	
4	7016331	1	Filter, Oil	
4	70003472	1	Bracket, Oil Filter	
4	7027236	1	Sender, Temperature	
4	70025082	1	Ring, Sealing	
5	70000912	4	Series A Injector	
5	70000913	4	Series B Injector	
5	70000914	4	Series C Injector	
5	70000915	4	Series D Injector	
5	70003464	4	Seal/Gasket, Pump (1 Per Injector)	
5	70003478	4	Injector, Fuel	
5	70003136	4	Seal/Gasket, Pump (1 Per Injector)	
6	7016328	1	Filter, Fuel	
6	70003465	1	Sensor	
6	70003466	1	Seal, Sensor	
7	70000916	1	Pump, Fuel Supply	
7	70001435	1	Repair Kit for Fuel Supply Pump	
7	70000919	1	Hand Pump for Fuel Supply Pump	
7	70000917	1	O - Seal Between Fuel Pump and Engine Block	
7	70000918	1	O - Seal Between Fuel Pump and Hand Pump	
8	70001871	4	Gasket, Intake Manifold	
9	7020408	1	V-Belt	
10		Ref	Exhaust Manifold Components (Not Shown)	
10	70001835	1	Gasket, Exhaust Adapter to Exhaust Rail	
10	70001841	1	Valve, Exhaust (Fits into Exhaust Adapter)	
10	70001836	1	Gasket, Exhaust Rail to Cylinder Head	
10	70001837	1	Gasket, Exhaust Manifold to Muffler	
10	70002200	4	Stud, Mounting	
10	See Note	AR	Nut, Exhaust Manifold	
11	70004056	1	Alternator	
11	70001868	1	Regulator, Voltage (Not Shown)	
11	70001866	1	Seal, Gasket for Voltage Regulator (Not Shown)	
11	70002234	1	Bar, Alternator Adjustment	
12	7020479	1	Starter	
12	70004058	1	Relay	
13	70004060	2	Plug-In Connector	
14	7027791	1	Transmitter, Temperature	
15	7027790	1	Sensor, Oil Pressure	
16	70004272	1	Sensor, Speed	
17	7027792	1	Throttle Actuator	
17	7027276	2	Spring	
18	70003475	1	Thermostat (Located at rear of engine block - Not Shown)	
19	70001870	1	Flywheel with Ring Gear	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	7024579	1	Gear, Ring 110 Tooth	
20	7000695	1	Muffler	
20	70001844	1	U-Ciamp	
20	7020471	4	Gasket	
21	7027795	1	Module, Control	
22	70001181	1	Valve, Pressure Control	
22	70124410	1	Spring	
22	70025082	1	Seal	
22	70124440	1	Screw, Locking	
23	70000345	4	Plug, Glow	
24	70000800	1	Camshaft Pulley Repair Kit (Not Shown	
26	70002415	1	Gasket, Head with 1 Notch (Not Shown)	
62	70002416	1	Gasket, Head with 2 Notch (Not Shown)	
26	70002417	1	Gasket, Head with 3 Notch (Not Shown)	
27	7027796	1	Harness, Engine (Connects to Item 421)	
27	70001872	1	Harness, Engine (Connects to p/n 7027796)	
28		Ref	Gaskets and Seals - Miscellaneous (Not Shown)	
28	70004289	1	Gasket Set	
28	70002718	1	Seal, Rear Main	
28	70004280	1	Seal, Front Main	
29	70025752	1	Valve, Pressure Relief (Not Shown - Located at Engine Front Left)	
29	70025753	1	Spring	
29	70005916	1	Seal	
29	70005917	1	Plug, Locking	

FIGURE 3-8. DEUTZ TD2.9L4 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

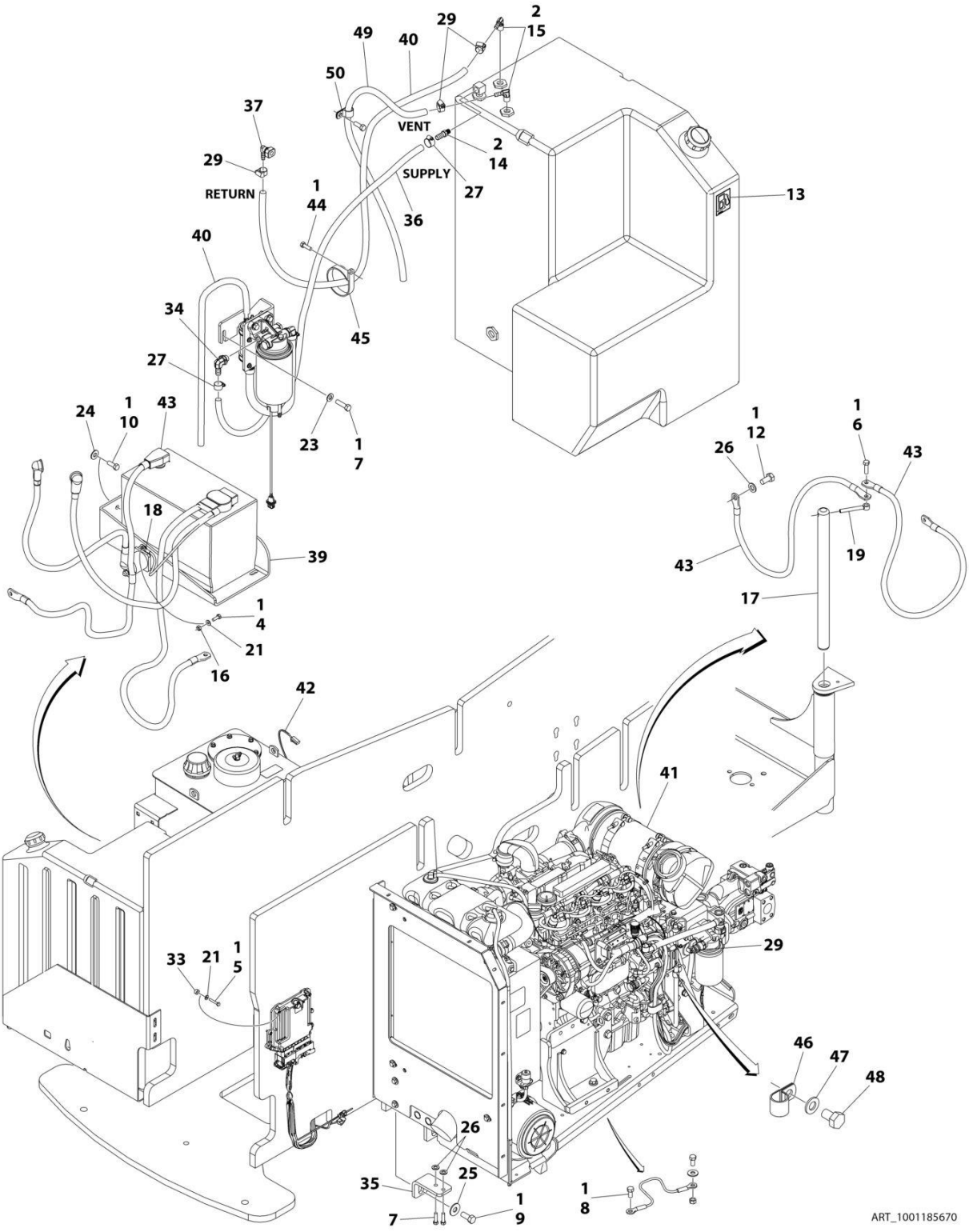


FIGURE 3-8. DEUTZ TD2.9L4 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185670	Ref	DEUTZ ENGINE INSTALLATION WITHOUT ARCTIC PACKAGE	F
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
4	0641406	2	Bolt 1/4 x 3/4	
5	0641412	4	Bolt 1/4 x 1-1/2	
6	0641610	1	Bolt 3/8 x 1-1/4	
7	0641611	4	Bolt 3/8 x 1-3/8	
8	0641808	1	Bolt 1/2 x 1	
9	0642012	1	Bolt 5/8 x 1-1/2	
10	0681608	3	Bolt 3/8 x 1	
12	0771212	1	Bolt M12 x 25	
13	1701505	1	Decal - Diesel Fuel (Not Shown Located on Fuel Tank)	
14	2180832	1	Fitting, 90 NPT/ Barbed	
15	2220313	2	Fitting, 90 NPT/Barbed	
16	3311405	2	Nut 1/4-20	
17	3422446	1	Pin, Pivot	
18	3740067	1	Relay	
19	3841143	1	Pin, Keeper	
20	4240033	1	Tie-Strap (Not Shown)	
21	4711400	6	Washer 1/4	
23	4711600	2	Washer 3/8	
24	4751600	3	Washer 3/8	
25	4752000	1	Washer 5/8	
26	4812100	3	Washer M12	
27	8405006	2	Clamp	
29	8410013	4	Clamp	
33	1001110425	4	Spacer	
34	1001142501	1	Fitting, Straight Metric/Barbed	
35	1001153359	1	Mount, Engine	
36	1001154405	54 in/ 1.4m	Hose	
37	1001155823	1	Fitting, Quick Disconnect 90	
39	1001162497	1	Bracket, Battery	
40	1001165035	28 ft/ 8.5m	Hose	
41	1001185667	1	Engine and Pump Assembly without Arctic Package (See Separate Breakdown in this Section)	
42	1001138491	1	Harness, Fuel (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
43	1001143736	1	Battery Cable Kit (Not Shown)	F
43	7027084	1	Cable, Battery (Black) (Battery - to Tray Pivot and Relay Grounds)	
43	8270147	1	Terminal, Battery (With Boot) Cable, Battery (Black)	
43	7027085	1	Cable, Battery (Black) (Battery - to Aux Pump Ground)	
43	7027086	1	Cable, Battery (Black) (Engine to Tray Pivot Ground)	
43	7027087	1	Cable (Red) (Battery + to Relays/Starter)	
43	7027088	1	Cable (Red) (Aux Relay to Aux Pump)	
43	See Note	1	Cable (Auxiliary Relay to Starter) (Note: Use p/n 7027087)	
44	0641508	1	Bolt 5/16 x 1	
45	1321339	1	Clamp	
46	1320061	1	Clamp	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	4812000	1	Washer M10	
48	0761008	1	Bolt M10 x 16	
49	2750532	4 ft/ 1.2m	Hose (Vent Line)	
50	8406102	1	Clip	

FIGURE 3-9. DEUTZ TD2.9L4 ENGINE INSTALLATION (WITH ARCTIC PACKAGE)

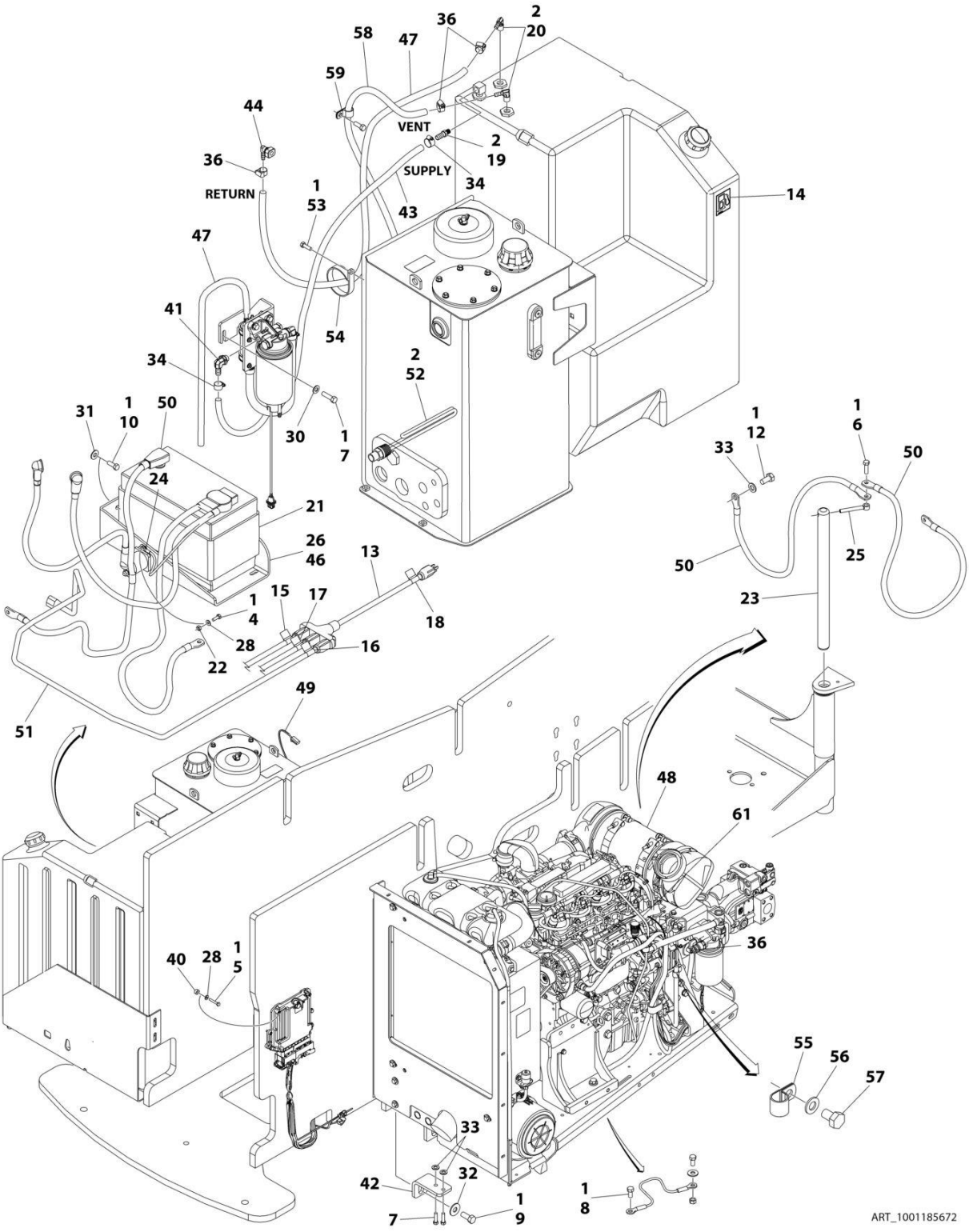


FIGURE 3-9. DEUTZ TD2.9L4 ENGINE INSTALLATION (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185672	Ref	DEUTZ ENGINE INSTALLATION WITH ARCTIC PACKAGE	G
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
4	0641406	2	Bolt 1/4 x 3/4	
5	0641412	4	Bolt 1/4 x 1-1/2	
6	0641610	1	Bolt 3/8 x 1-1/4	
7	0641611	4	Bolt 3/8 x 1-3/8	
8	0641808	1	Bolt 1/2 x 1	
9	0642012	1	Bolt 5/8 x 1-1/2	
10	0681608	3	Bolt 3/8 x 1 Grade 8	
12	0771212	1	Bolt M12 x 25 Grade 10.9	
13	1060626	1	Cord, 3 Way Extension	
14	1701505	1	Decal - Diesel Fuel (Not Shown Located on Fuel Tank)	
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, 90 NPT/ Barbed	
20	2220313	2	Fitting, 90 NPT/Barbed	
21	2580024	1	Heater, Battery	
22	3311405	2	Nut 1/4	
23	3422446	1	Pin, Pivot	
24	3740067	1	Relay	
25	3841143	1	Pin, Keeper	
26	3980007	1	Seat, Battery	
27	4240033	1	Tie-Strap (Not Shown)	
28	4711400	6	Washer 1/4	
30	4711600	2	Washer 3/8	
31	4751600	3	Washer 3/8	
32	4752000	1	Washer 5/8	
33	4812100	3	Washer M12	
34	8405006	2	Clamp	
36	8410013	4	Clamp	
40	1001110425	4	Spacer	
41	1001142501	1	Fitting, Straight Metric/Barbed	
42	1001153359	1	Mount, Engine	
43	1001154405	54 in/ 1.4m	Hose	
44	1001155823	1	Fitting, Quick Disconnect 90	
46	1001162497	1	Bracket, Battery	
47	1001165035	28 ft/ 8.5m	Hose	
48	1001185671	1	Deutz TD2.9L4 Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
49	1001138491	1	Harness, Fuel (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
50	1001143736	1	Battery Cable Kit (Not Shown)	E
50	7027084	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
50	8270147	1	Terminal, Battery (With Boot)	
50	7027085	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	7027086	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
50	7027087	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
50	7027088	1	Cable (Red) (Aux Relay to Aux Pump)	
51	1001150918	1	Cord, 8ft Extension	
52	1001188972	1	Heater, Hydraulic Tank	
53	0641508	1	Bolt 5/16 x 1	
54	1321339	1	Clamp	
55	1320061	1	Clamp	
56	4812000	1	Washer M10	
57	0761008	1	Bolt M10 x 16	
58	2750532	4 ft/ 1.2m	Hose (Vent Line)	
59	8406102	1	Clip	
61	1001233763	Ref	Breather Heater Installation (Not Shown - See Separate Breakdown in this Section)	

FIGURE 3-10. DEUTZ TD2.9L4 ENGINE INSTALLATION (STAGE V) (Prior to SN 0300298282)

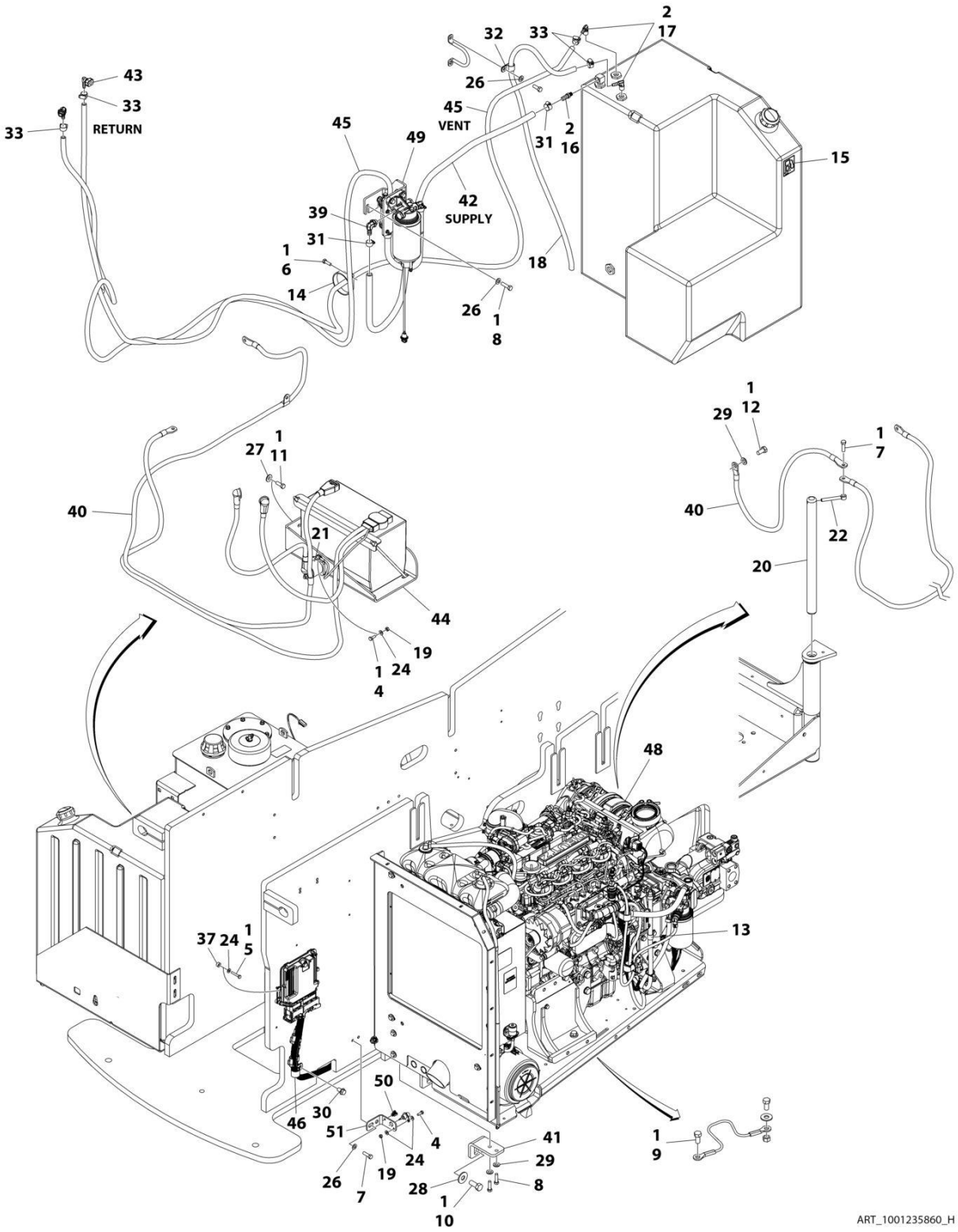


FIGURE 3-10. DEUTZ TD2.9L4 ENGINE INSTALLATION (STAGE V) (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235860	Ref	DEUTZ 2.9L4 (STAGE V) ENGINE INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
4	0641406	2	Bolt 1/4 x 3/4	
5	0641412	4	Bolt 1/4 x 1-1/2	
6	0641508	1	Bolt 5/16 x 1	
7	0641610	1	Bolt 3/8 x 1-1/4	
8	0641611	4	Bolt 3/8 x 1-3/8	
9	0641808	1	Bolt 1/2 x 1	
10	0642012	1	Bolt 5/8 x 1-1/2	
11	0681608	3	Bolt 3/8 x 1	
12	0771212	1	Bolt M12 x 25	
13	1320061	1	Clamp	
14	1321339	1	Clamp	
15	1701505	1	Decal - Diesel Fuel (Not Shown Located on Fuel Tank)	
16	2180832	1	Fitting, 90 NPT/ Barbed	
17	2220313	2	Fitting, 90 NPT/Barbed	
18	2750532	4 ft/ 1.2m	Hose (Vent Line)	
19	3311405	2	Nut 1/4	
20	3422446	1	Pin, Pivot	
21	3740067	1	Relay	
22	3841143	1	Pin, Keeper	
23	4240099	AR	Tie-Strap (Not Shown)	
24	4711400	8	Washer 1/4	
26	4711600	4	Washer 3/8	
27	4751600	3	Washer 3/8	
28	4752000	1	Washer 5/8	
29	4812100	3	Washer M12	
30	5251210	1	Bolt M12 x 20	
31	8405006	2	Clamp	
32	8406102	1	Clip	
33	8410013	4	Clamp	
37	1001110425	4	Spacer	
38	1001138491	1	Harness, Fuel (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
39	1001142501	1	Fitting, Straight Metric/Barbed	
40	1001143736	1	Battery Cable Kit	E
40	7027084	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
40	8270147	1	Terminal, Battery (With Boot)	
40	7027085	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
40	7027086	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
40	7027087	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
40	7027088	1	Cable (Red) (Aux Relay to Aux Pump)	
41	1001153359	1	Mount, Engine	
42	1001154405	54 in/ 1.4m	Hose	
43	1001155823	1	Fitting, Quick Disconnect 90	
44	1001162497	1	Bracket, Battery	
45	1001165035	28 ft/ 8.5m	Hose	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001191620	1	Clamp	
48	1001277606	1	Deutz TD2.9L4 Engine and Pump Sub-Assembly (STAGE V) (See Separate Breakdown in this Section)	
50	1001146588	1	Strap	
51	1001256879	1	Bracket	
52	1062255	1	Tie-Strap (Not Shown)	

FIGURE 3-11. DEUTZ TD2.9L4 ENGINE INSTALLATION (STAGE V) (SN 0300298282 to Present)

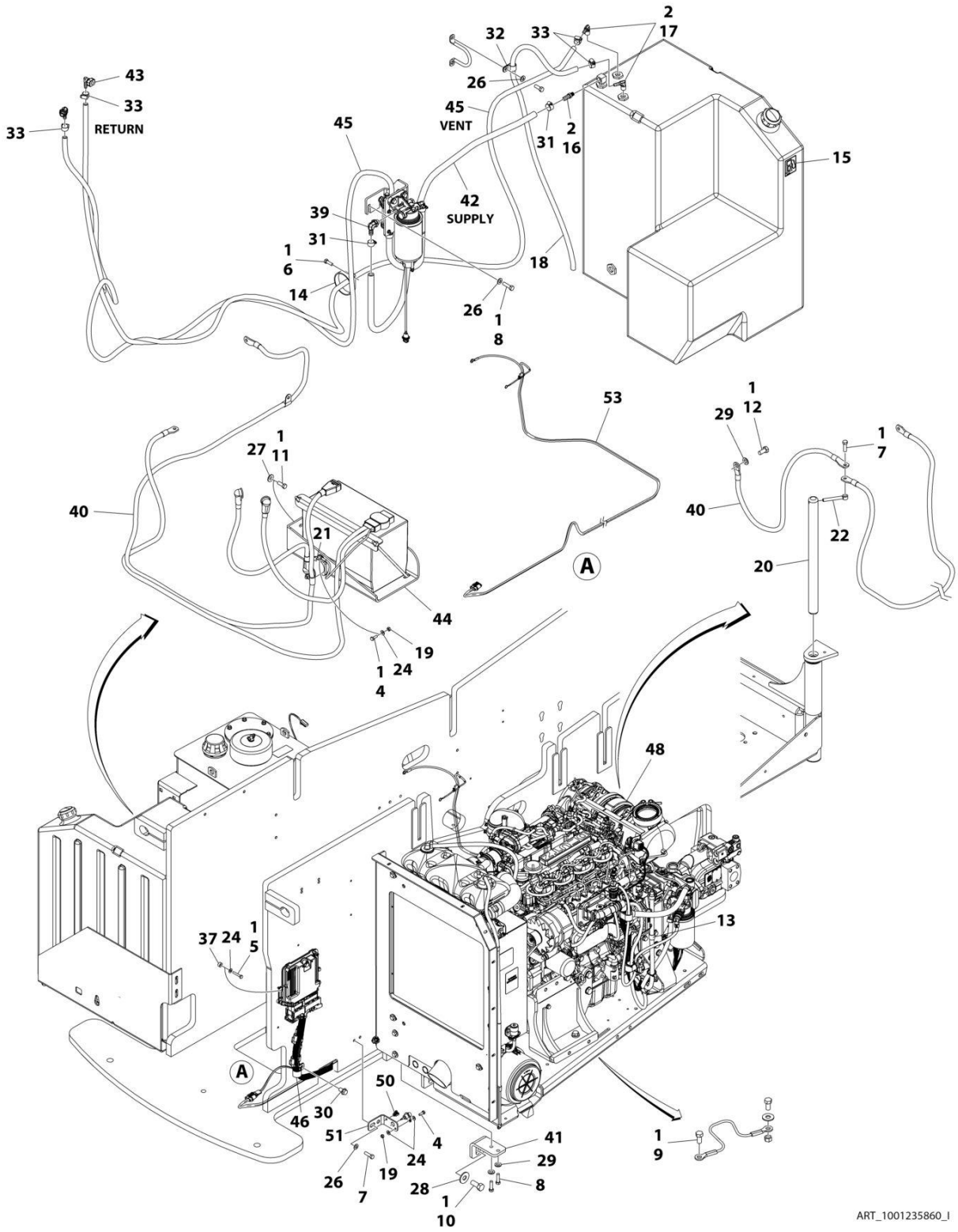


FIGURE 3-11. DEUTZ TD2.9L4 ENGINE INSTALLATION (STAGE V) (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235860	Ref	DEUTZ 2.9L4 (STAGE V) ENGINE INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
4	0641406	2	Bolt 1/4 x 3/4	
5	0641412	4	Bolt 1/4 x 1-1/2	
6	0641508	1	Bolt 5/16 x 1	
7	0641610	1	Bolt 3/8 x 1-1/4	
8	0641611	4	Bolt 3/8 x 1-3/8	
9	0641808	1	Bolt 1/2 x 1	
10	0642012	1	Bolt 5/8 x 1-1/2	
11	0681608	3	Bolt 3/8 x 1	
12	0771212	1	Bolt M12 x 25	
13	1320061	1	Clamp	
14	1321339	1	Clamp	
15	1701505	1	Decal - Diesel Fuel (Not Shown Located on Fuel Tank)	
16	2180832	1	Fitting, 90 NPT/ Barbed	
17	2220313	2	Fitting, 90 NPT/Barbed	
18	2750532	4 ft/ 1.2m	Hose (Vent Line)	
19	3311405	2	Nut 1/4	
20	3422446	1	Pin, Pivot	
21	3740067	1	Relay	
22	3841143	1	Pin, Keeper	
23	4240099	AR	Tie-Strap (Not Shown)	
24	4711400	8	Washer 1/4	
26	4711600	4	Washer 3/8	
27	4751600	3	Washer 3/8	
28	4752000	1	Washer 5/8	
29	4812100	3	Washer M12	
30	5251210	1	Bolt M12 x 20	
31	8405006	2	Clamp	
32	8406102	1	Clip	
33	8410013	4	Clamp	
37	1001110425	4	Spacer	
38	1001138491	1	Harness, Fuel (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
39	1001142501	1	Fitting, Straight Metric/Barbed	
40	1001143736	1	Battery Cable Kit	E
40	7027084	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
40	8270147	1	Terminal, Battery (With Boot)	
40	7027085	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
40	7027086	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
40	7027087	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
40	7027088	1	Cable (Red) (Aux Relay to Aux Pump)	
41	1001153359	1	Mount, Engine	
42	1001154405	54 in/ 1.4m	Hose	
43	1001155823	1	Fitting, Quick Disconnect 90	
44	1001162497	1	Bracket, Battery	
45	1001165035	28 ft/ 8.5m	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001191620	1	Clamp	
48	1001277606	1	Deutz TD2.9L4 Engine and Pump Sub-Assembly (STAGE V) (See Separate Breakdown in this Section)	
50	1001146588	1	Strap	
51	1001256879	1	Bracket	
52	1062255	1	Tie-Strap (Not Shown)	
53	1001289593	1	ECU Power Jumper Harness (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 3-12. DEUTZ TD2.9L4 ENGINE INSTALLATION (CHINA III SPECS)

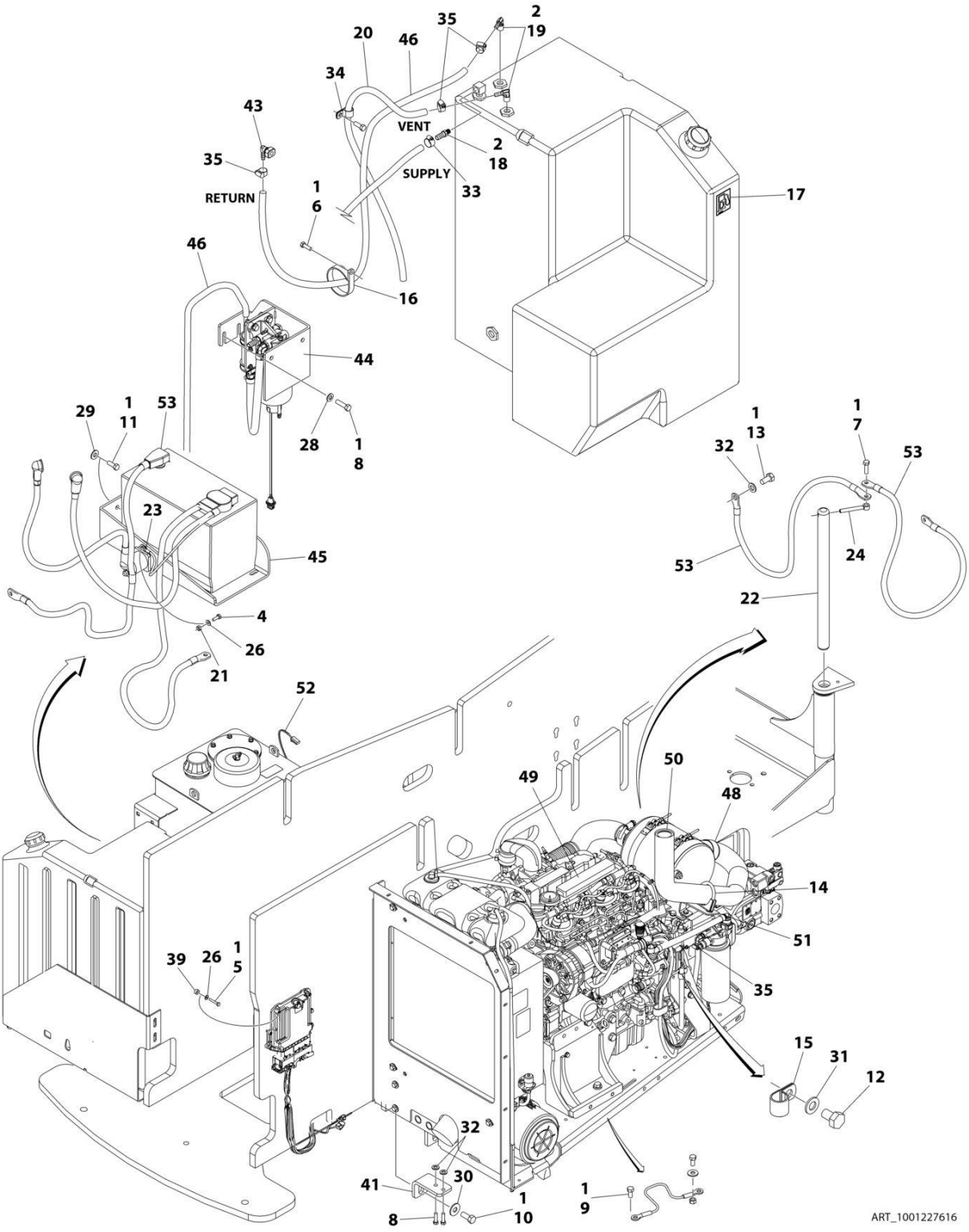


FIGURE 3-12. DEUTZ TD2.9L4 ENGINE INSTALLATION (CHINA III SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227616	Ref	DEUTZ ENGINE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
4	0641406	2	Bolt 1/4 x 3/4	
5	0641412	4	Bolt 1/4 x 1-1/2	
6	0641508	1	Bolt 5/16 x 1	
7	0641610	1	Bolt 3/8 x 1-1/4	
8	0641611	4	Bolt 3/8 x 1-3/8	
9	0641808	1	Bolt 1/2 x 1	
10	0642012	1	Bolt 5/8 x 1-1/2	
11	0681608	3	Bolt 3/8 x 1	
12	0761008	1	Bolt M10 x 16	
13	0771212	1	Bolt M12 x 25	
14	1320011	1	Clamp, Muffler (Located on Exhaust)	
15	1320061	1	Clamp	
16	1321339	1	Clamp	
17	1701505	1	Decal - Diesel Fuel (Not Shown Located on Fuel Tank)	
18	2180832	1	Fitting, 90 NPT/ Barbed	
19	2220313	2	Fitting, 90 NPT/Barbed	
20	2750532	4 ft/ 1.2m	Hose (Vent Line)	
21	3311405	2	Nut 1/4-20	
22	3422446	1	Pin, Pivot	
23	3740067	1	Relay	
24	3841143	1	Pin, Keeper	
25	4240033	AR	Tie-Strap (Not Shown)	
26	4711400	7	Washer 1/4	
28	4711600	2	Washer 3/8	
29	4751600	3	Washer 3/8	
30	4752000	1	Washer 5/8	
31	4812000	1	Washer M10	
32	4812100	3	Washer M12	
33	8405006	1	Clamp	
34	8406102	1	Clip	
35	8410013	4	Clamp	
39	1001110425	4	Spacer	
41	1001153359	1	Mount, Engine	
43	1001155823	1	Fitting, Quick Disconnect 90	
44	1001227224	1	Bracket Assembly Less Filter/Pump (See Separate Breakdown in this Section)	
45	1001162497	1	Bracket, Battery	
46	1001165035	28 ft/ 8.5m	Hose	
48	1001221212	1	Clamp (Located on Exhaust)	
49	1001227615	1	Deutz TD2.9L4 Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
50	1001247013	1	Pipe	
51	1001227620	1	Plate (Located on Exhaust)	
52	1001138491	1	Harness, Fuel (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
53	1001143736	1	Battery Cable Kit (Not Shown)	E

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	7027084	1	Cable, Battery (Black) (Battery - to Tray Pivot Grd)	
53	8270147	1	Terminal, Battery (With Boot)	
53	7027085	1	Cable, Battery (Black) (Battery - to Aux Pump and Relay Grds)	
53	7027086	1	Cable, Battery (Black) (Engine to Tray Pivot Grd)	
53	7027087	1	Cable (Red) (Battery + to Aux Relay/Power Module/Starter)	
53	7027088	1	Cable (Red) (Aux Relay to Aux Pump)	

FIGURE 3-13. DEUTZ TD2.9L4 ENGINE INSTALLATION (CHINA IV SPECS)

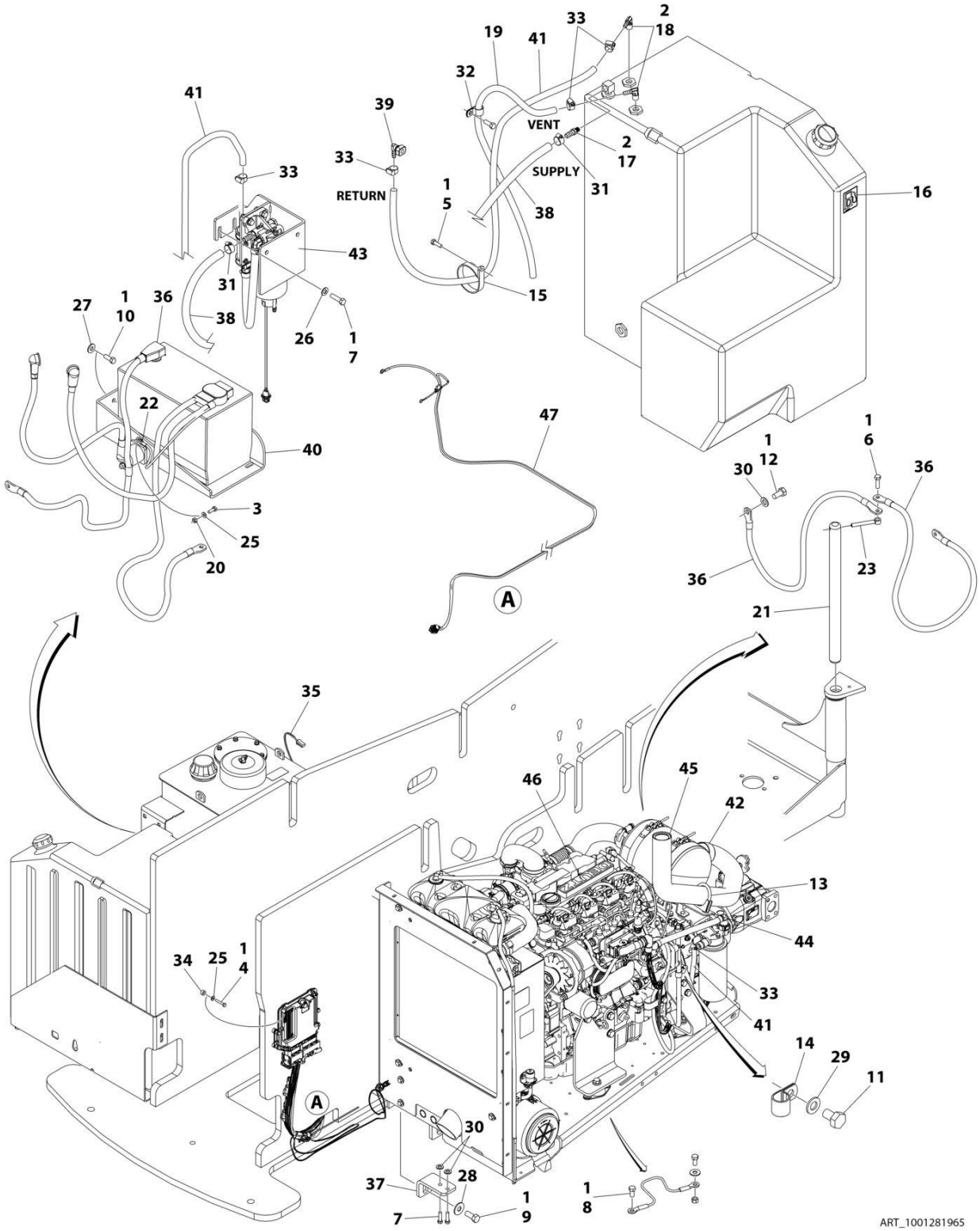


FIGURE 3-13. DEUTZ TD2.9L4 ENGINE INSTALLATION (CHINA IV SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281965	Ref	DEUTZ ENGINE INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0641406	2	Bolt 1/4 x 3/4	
4	0641412	4	Bolt 1/4 x 1-1/2	
5	0641508	1	Bolt 5/16 x 1	
6	0641610	1	Bolt 3/8 x 1-1/4	
7	0641611	4	Bolt 3/8 x 1-3/8	
8	0641808	1	Bolt 1/2 x 1	
9	0642012	1	Bolt 5/8 x 1-1/2	
10	0681608	3	Bolt 3/8 x 1	
11	0761008	1	Bolt M10 x 16	
12	0771212	1	Bolt M12 x 25	
13	1320011	1	Clamp, Muffler (Located on Exhaust)	
14	1320061	1	Clamp	
15	1321339	1	Clamp	
16	1701505	1	Decal - Diesel Fuel (Located on Fuel Tank)	
17	2180832	1	Fitting, 90 NPT/ Barbed	
18	2220313	2	Fitting, 90 NPT/Barbed	
19	2750532	4 ft/ 1.2m	Hose (Vent Line)	
20	3311405	2	Nut 1/4-20	
21	3422446	1	Pin, Pivot	
22	3740067	1	Relay	
23	3841143	1	Pin, Keeper	
24	4240033	AR	Tie-Strap (Not Shown)	
25	4711400	7	Washer 1/4	
26	4711600	2	Washer 3/8	
27	4751600	3	Washer 3/8	
28	4752000	1	Washer 5/8	
29	4812000	1	Washer M10	
30	4812100	3	Washer M12	
31	8405006	2	Clamp	
32	8406102	1	Clip	
33	8410013	5	Clamp	
34	1001110425	4	Spacer	
35	1001138491	1	Harness, Fuel (See Separate Breakdown in ELECTRICAL Section)	
36	1001143736	1	Battery Cable Kit	E
37	1001153359	1	Mount, Engine	
38	1001154405	1	Hose	
39	1001155823	1	Fitting, Quick Disconnect 90	
40	1001162497	1	Bracket, Battery	
41	1001165035	28 ft/ 8.5m	Hose	
42	1001221212	1	Clamp (Located on Exhaust)	
43	1001227224	1	Bracket Assembly Less Filter/Pump (See Separate Breakdown in this Section)	
44	1001227620	1	Plate (Located on Exhaust)	
45	1001247013	1	Pipe	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001281608	1	Deutz TD2.9L4 Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
47	1001289593	1	ECM Jumper Harness (See Separate Breakdown ELECTRICAL Section)	

FIGURE 3-14. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

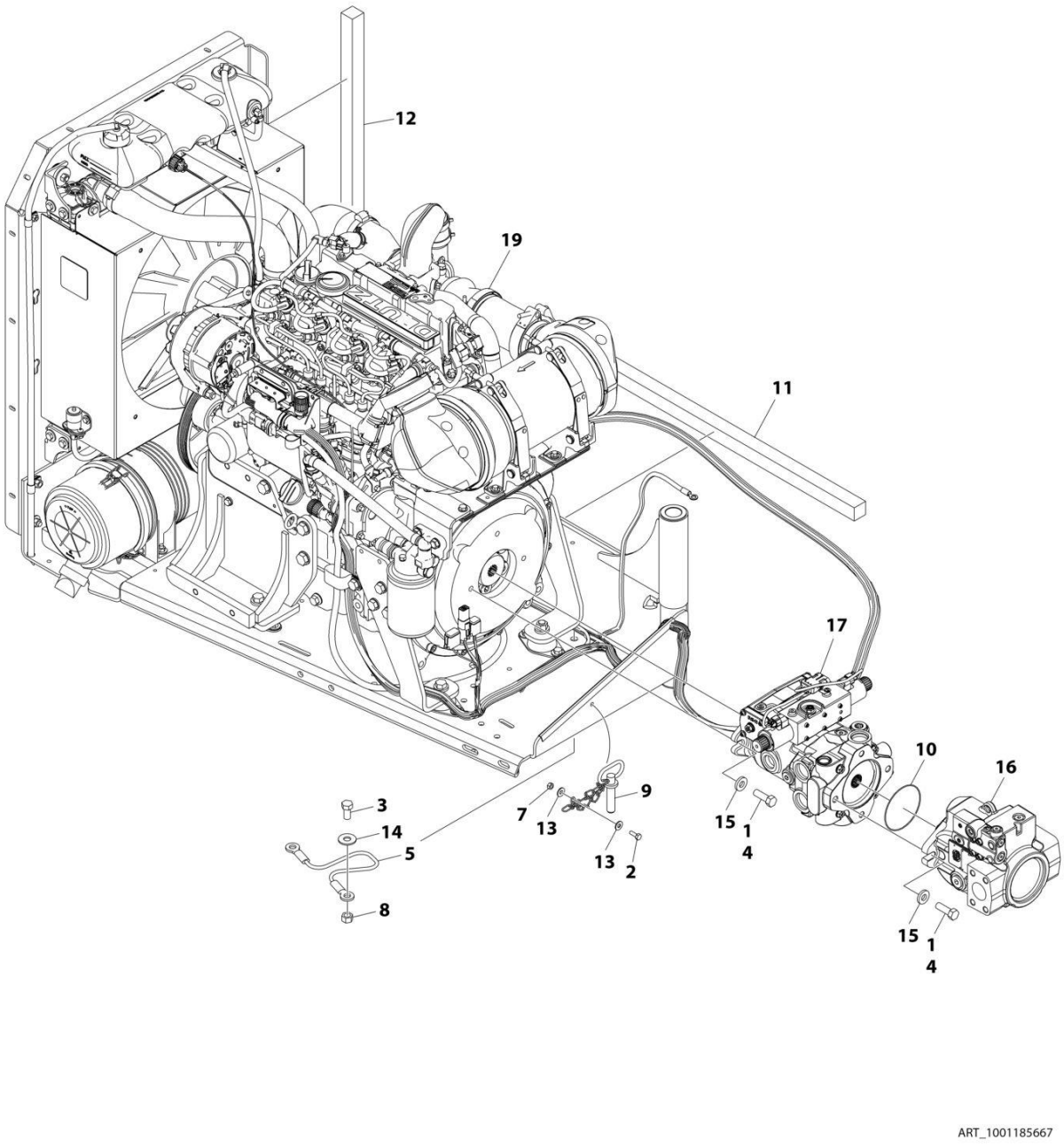


FIGURE 3-14. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185667	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)	H
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
7	3311405	1	Nut 1/4	
8	3311801	1	Nut 1/2	
9	3422532	1	Pin	
10	3790044	1	O-Ring	
11	3960468	1	Seal	
12	3960469	1	Seal	
13	4751400	2	Washer 1/4	
14	4751800	1	Washer 1/2	
15	4891800	4	Washer 1/2	
16	1001094595	1	Variable Pump Assembly (See Separate Breakdown in this Section)	
17	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
19	1001176027	1	Engine Assembly Without Arctic Package (See Separate Breakdown in this Section)	

FIGURE 3-15. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

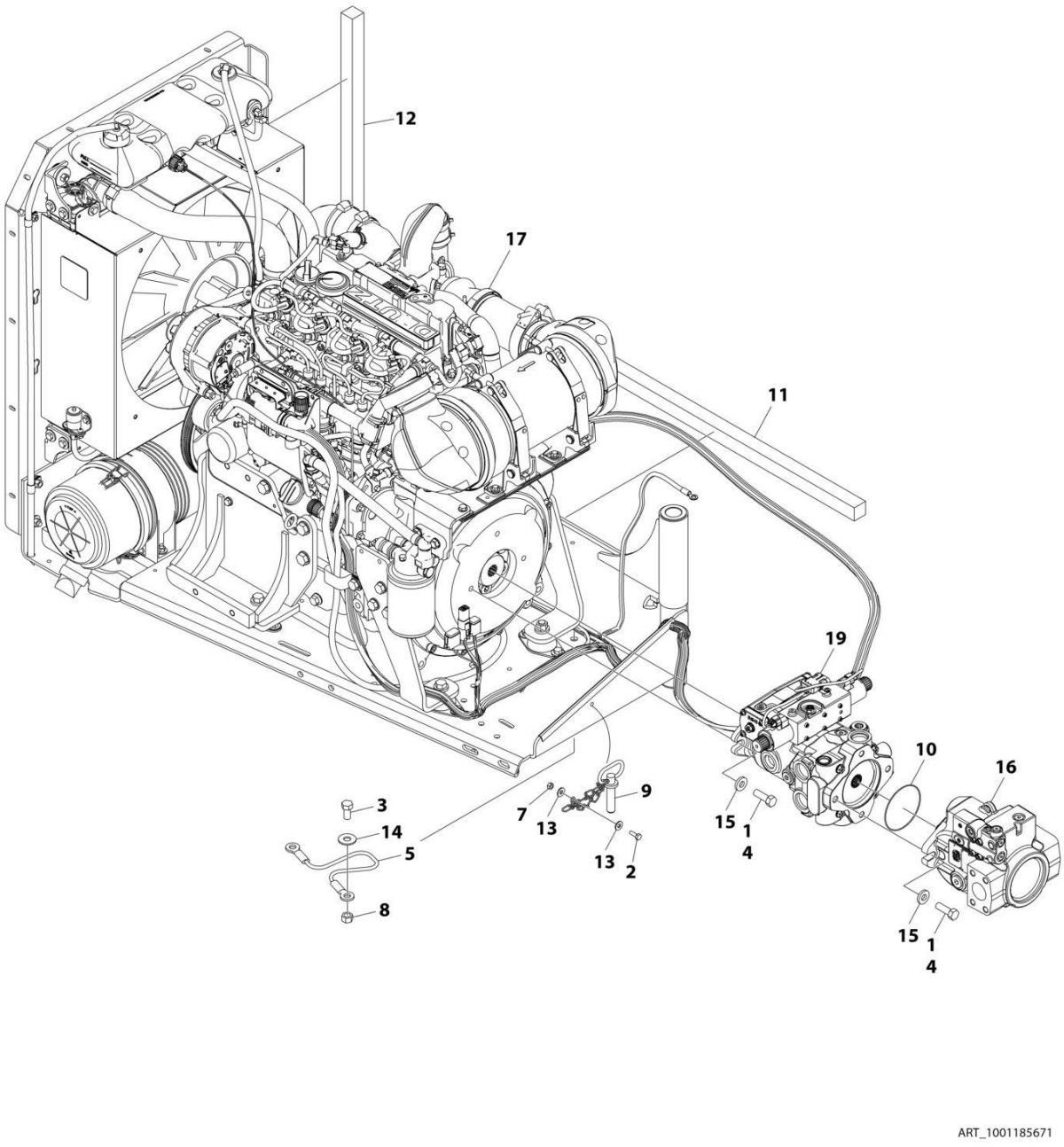


FIGURE 3-15. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185671	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)	H
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Cable, Lanyard	
7	3311405	1	Nut 1/4	
8	3311801	1	Nut 1/2	
9	3422532	1	Pin, Hitch	
10	3790044	1	O-Ring	
11	3960468	1	Seal	
12	3960469	1	Seal	
13	4751400	2	Washer 1/4	
14	4751800	1	Washer 1/2	
15	4891800	4	Washer 1/2	
16	1001094595	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	
17	1001176035	1	Engine Assembly With Arctic Package (See Separate Breakdown in this Section)	
19	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	

FIGURE 3-16. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (STAGE V)

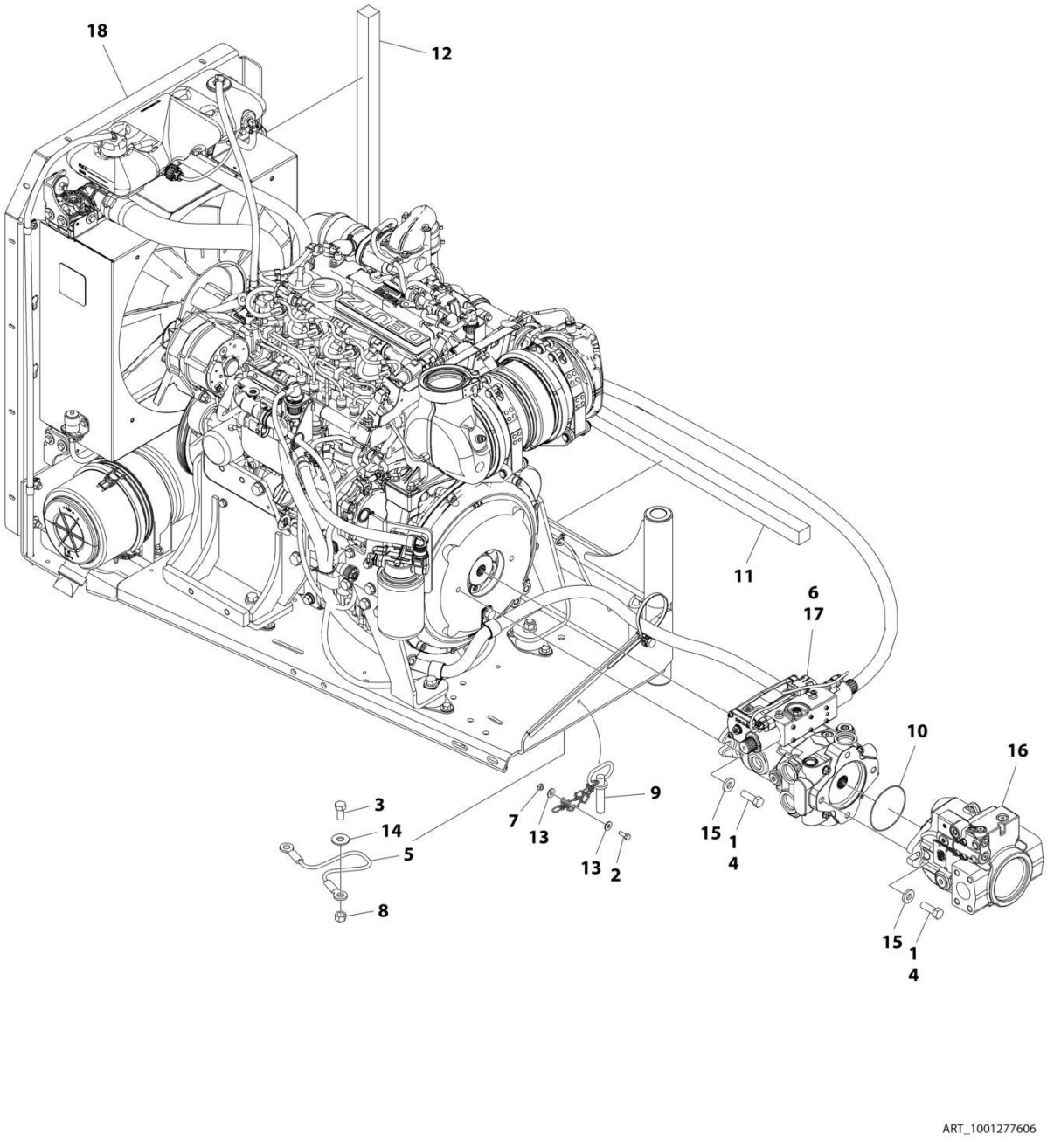


FIGURE 3-16. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (STAGE V)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277606	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (STAGE V)	A
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
6	3020037	AR	Lubricant	
7	3311405	1	Nut 1/4	
8	3311801	1	Nut 1/2	
9	3422532	1	Pin, Hitch	
10	3790044	1	O-Ring	
11	3960468	1	Seal	
12	3960469	1	Seal	
13	4751400	2	Washer 1/4	
14	4751800	1	Washer 1/2	
15	4891800	4	Washer 1/2	
16	1001094595	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	
17	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
18	1001277598	1	Engine Assembly - DEUTZ 2.9L4 (Stage V) Engines (See Separate Breakdown in this Section)	

FIGURE 3-17. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA III SPECS)

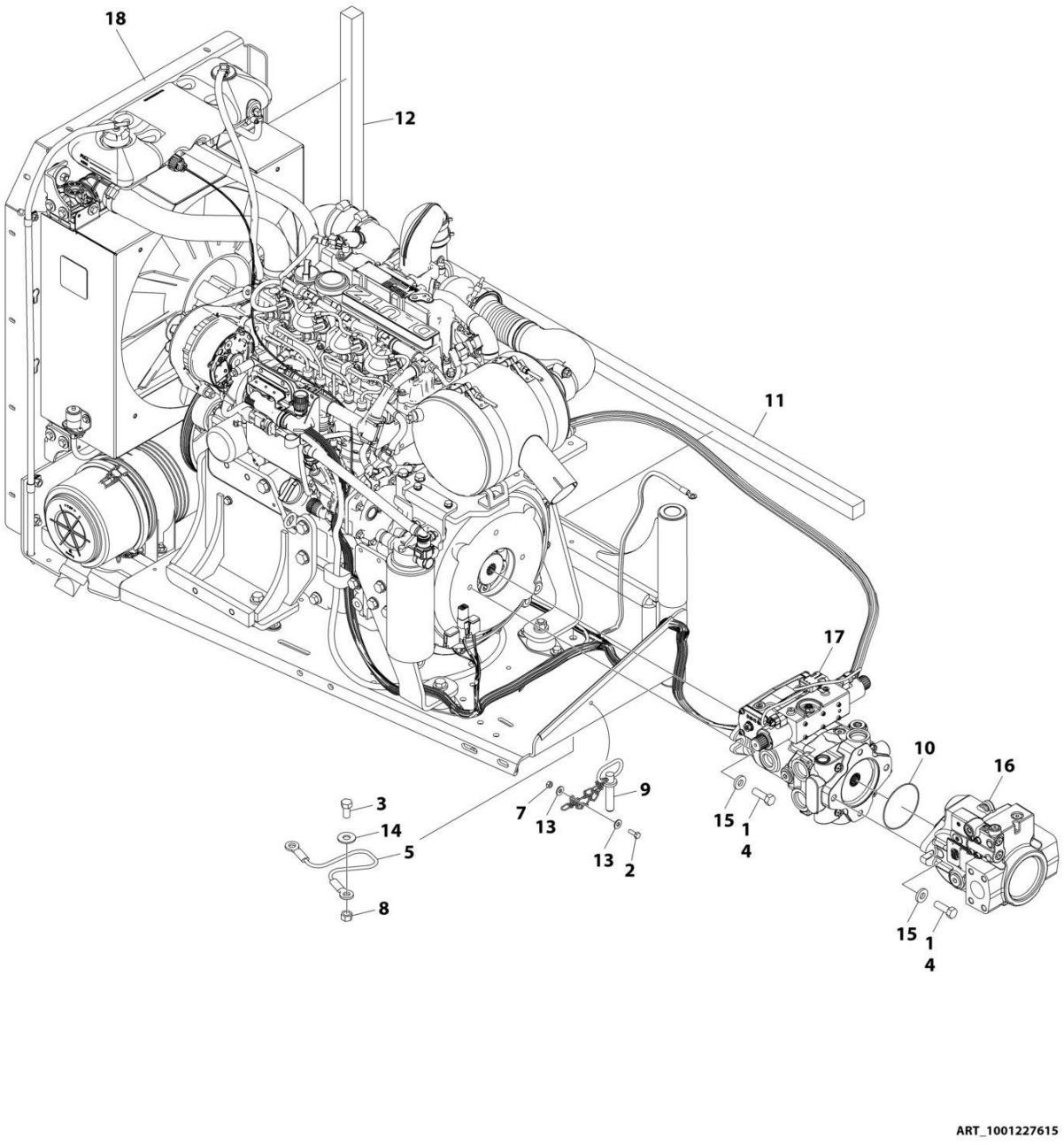


FIGURE 3-17. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA III SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227615	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY	F
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
7	3311405	1	Nut 1/4	
8	3311801	1	Nut 1/2	
9	3422532	1	Pin, Hitch	
10	3790044	1	O-Ring	
11	3960468	1	Seal	
12	3960469	1	Seal	
13	4751400	2	Washer 1/4	
14	4751800	1	Washer 1/2	
15	4891800	4	Washer 1/2	
16	1001094595	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	
17	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
18	1001227614	1	Engine Assembly (See Separate Breakdown in this Section)	

FIGURE 3-18. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA IV SPECS) (WITH DANFOSS PUMP)

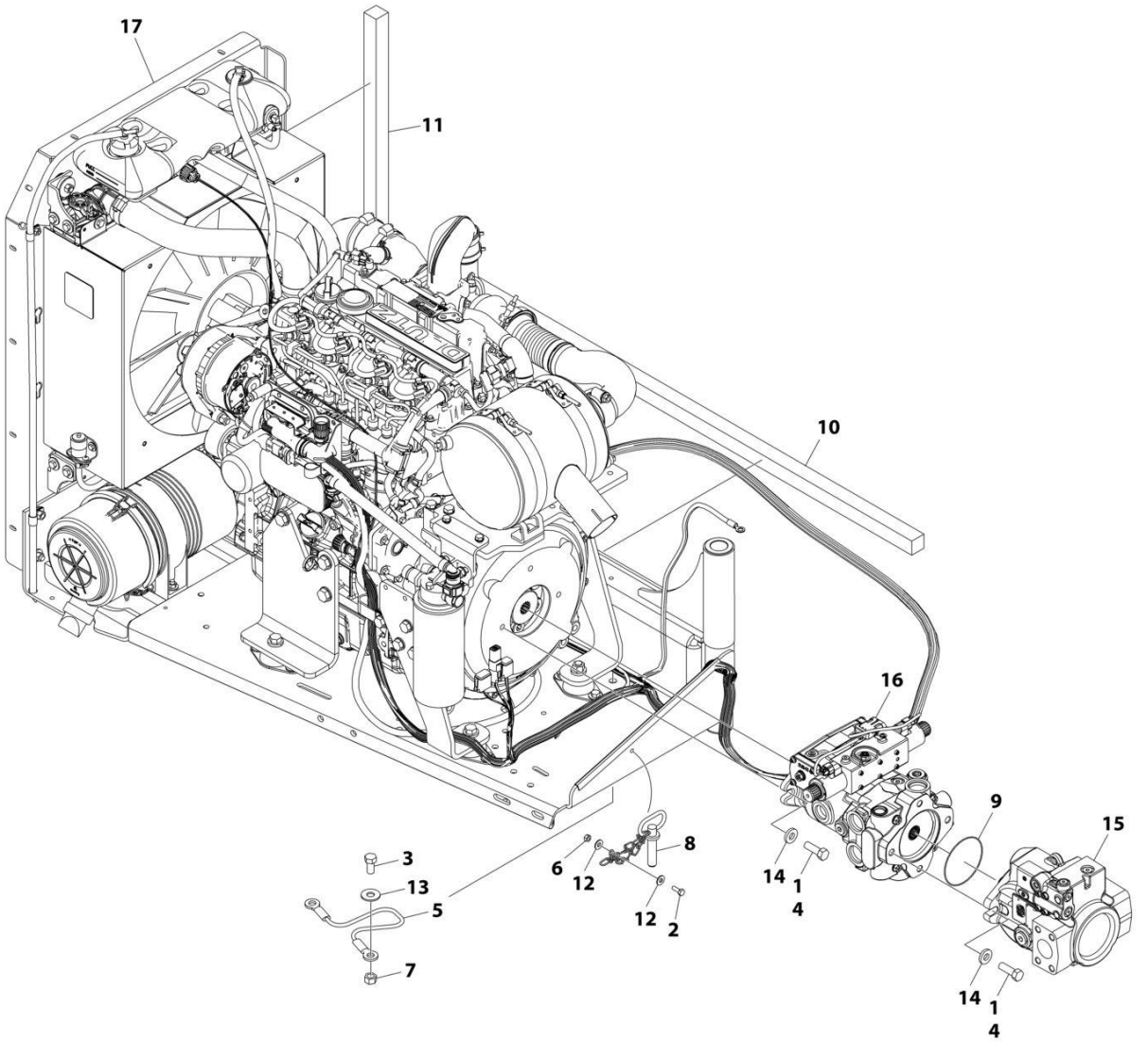


FIGURE 3-18. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA IV SPECS) (WITH DANFOSS PUMP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281608	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
6	3311405	1	Nut 1/4	
7	3311801	1	Nut 1/2	
8	3422532	1	Pin, Hitch	
9	3790044	1	O-Ring	
10	3960468	1	Seal	
11	3960469	1	Seal	
12	4751400	2	Washer 1/4	
13	4751800	1	Washer 1/2	
14	4891800	4	Washer 1/2	
15	1001094595	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	
16	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
17	1001281609	1	Engine Assembly (See Separate Breakdown in this Section)	

FIGURE 3-19. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA IV SPECS) (WITH HENGLI PUMP)

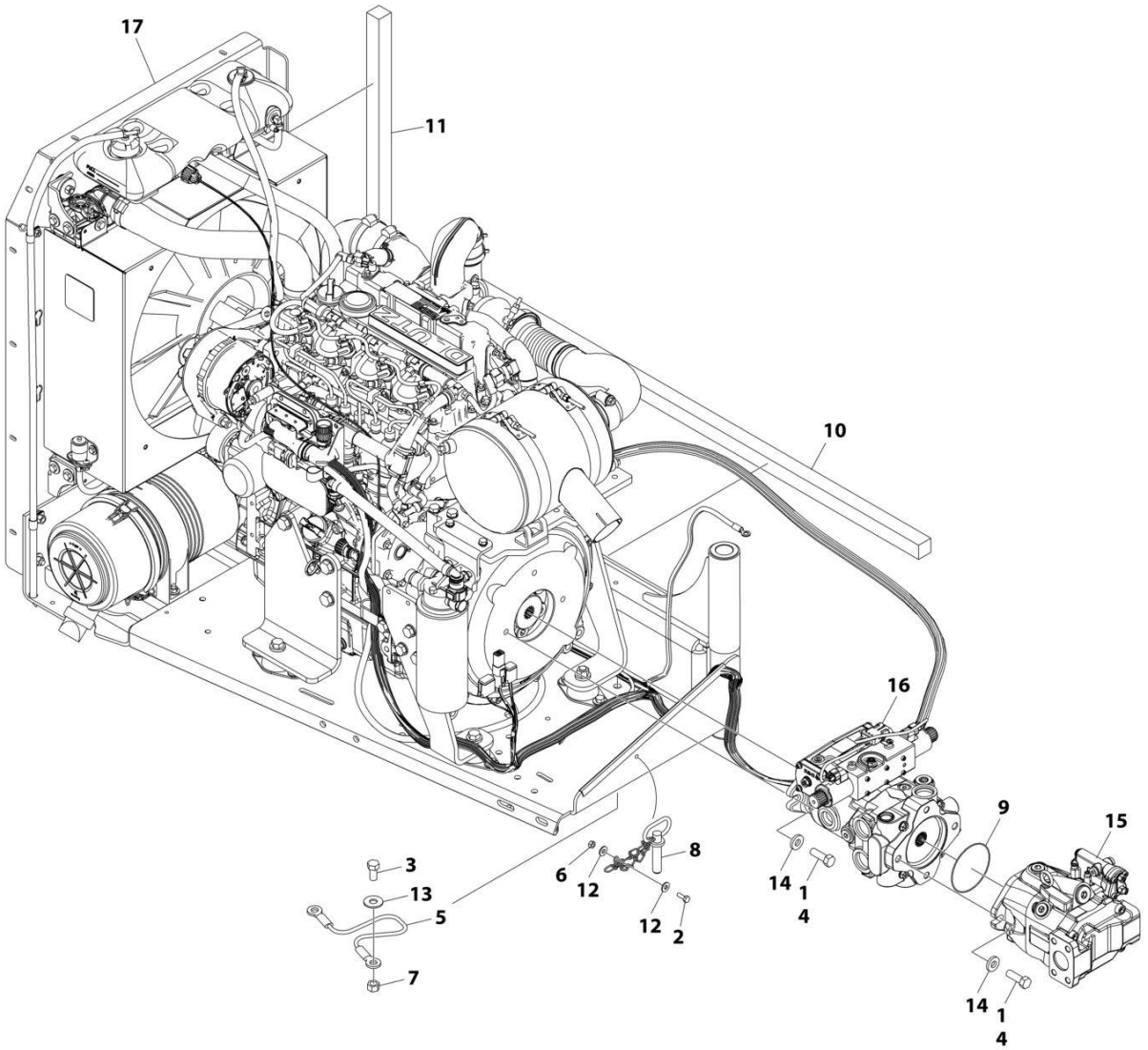
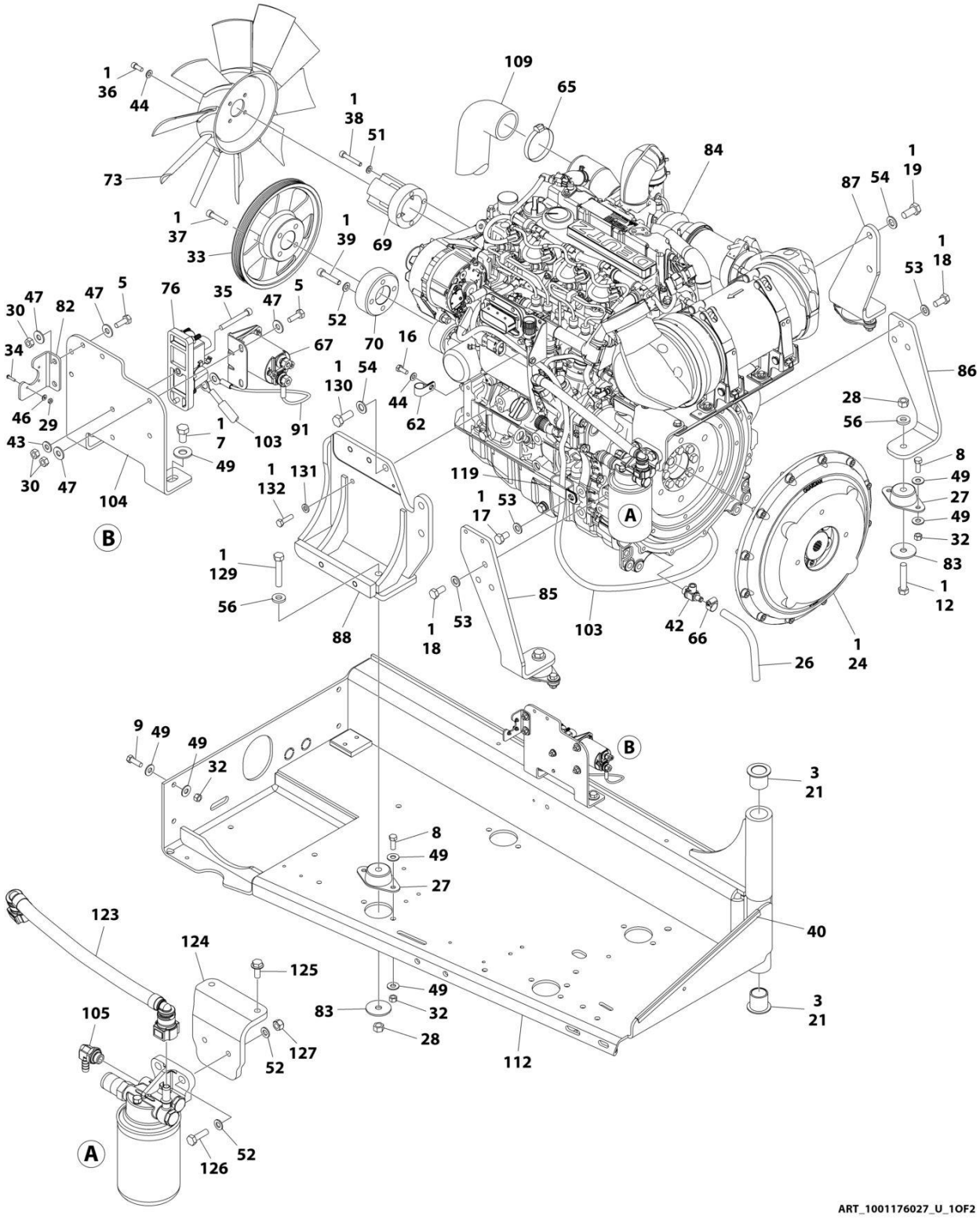


FIGURE 3-19. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA IV SPECS) (WITH HENGLI PUMP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281608	Ref	DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0641406	1	Bolt 1/4 x 3/4	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Lanyard	
6	3311405	1	Nut 1/4	
7	3311801	1	Nut 1/2	
8	3422532	1	Pin, Hitch	
9	3790044	1	O-Ring	
10	3960468	1	Seal	
11	3960469	1	Seal	
12	4751400	2	Washer 1/4	
13	4751800	1	Washer 1/2	
14	4891800	4	Washer 1/2	
15	1001276377	1	Variable Pump Assembly with Fittings (See Separate Breakdown in this Section)	
16	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
17	1001281609	1	Engine Assembly (See Separate Breakdown in this Section)	

FIGURE 3-20. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)



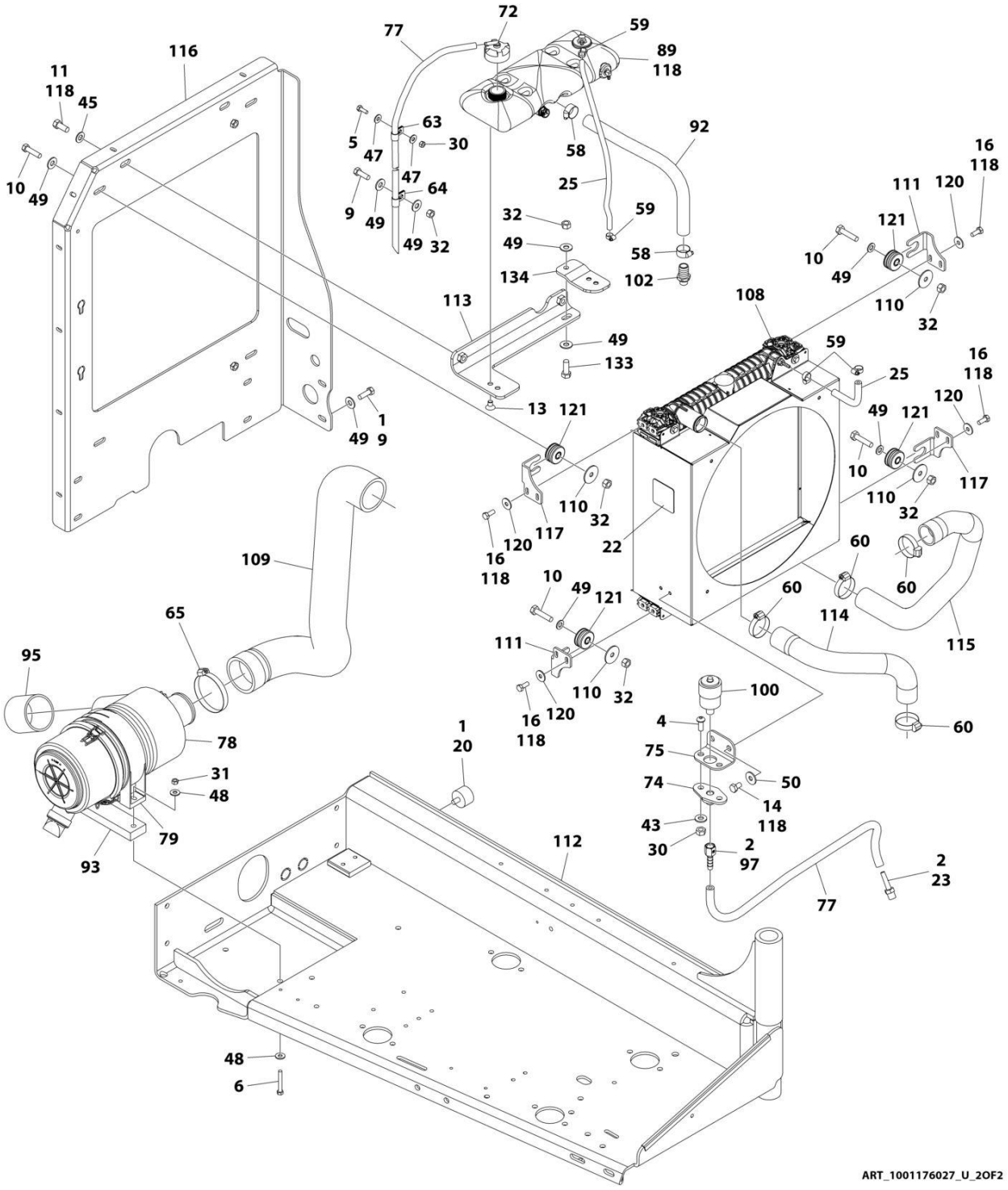

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FIGURE 3-20. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)

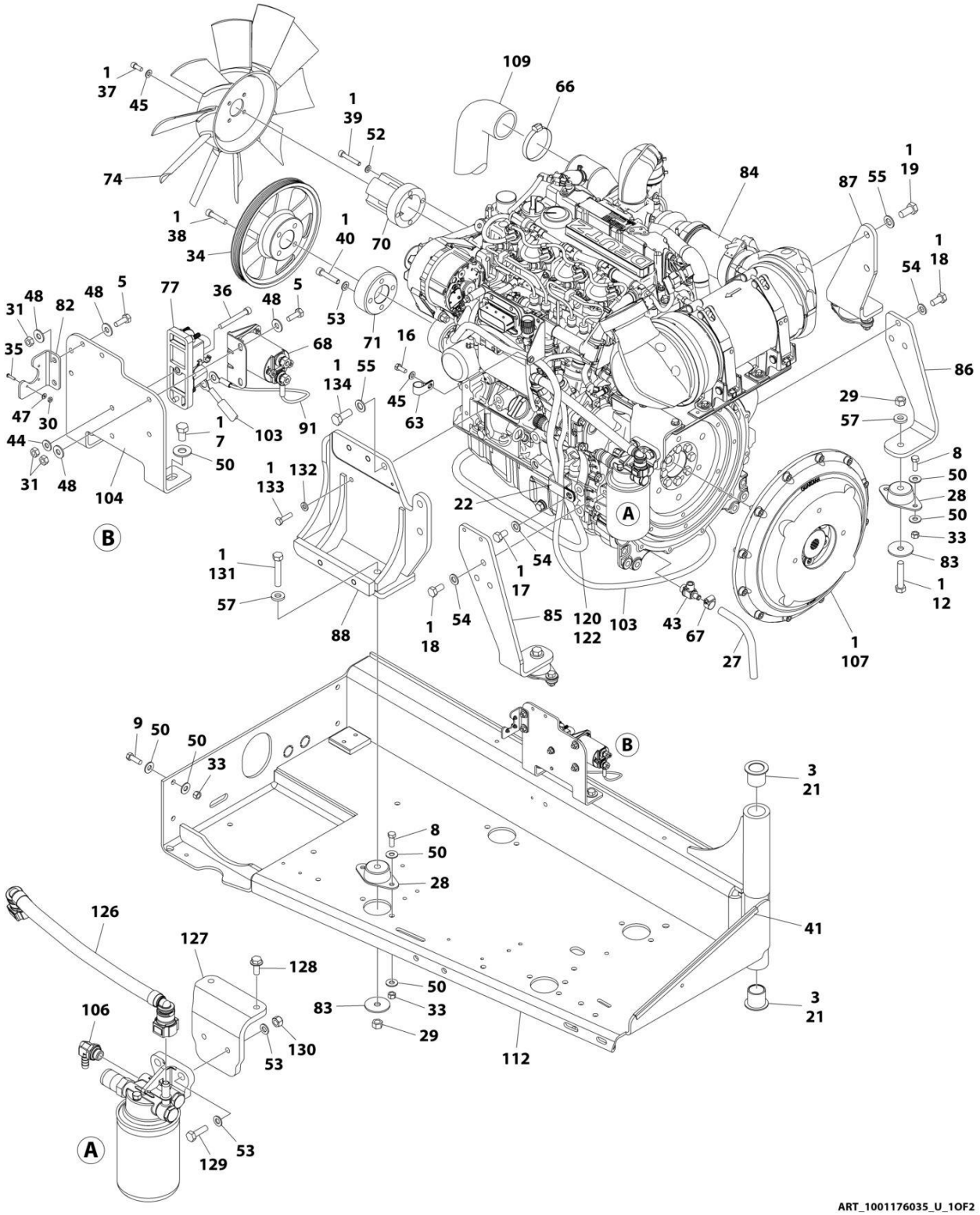
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176027	Ref	ENGINE ASSEMBLY WITHOUT ARCTIC PACKAGE	U
1	0100011	AR	Locking, Compound	
2	0100020	AR	Sealant	
3	0100062	2	Compound, Locking	
4	0630407	5	Screw 1/4 x 5/8	
5	0641406	2	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	8	Bolt 3/8 x 5/8	
8	0641608	6	Bolt 3/8 x 1	
9	0641609	4	Bolt 3/8 x 1-1/8	
10	0641612	2	Bolt 3/8 x 1-1/2	
11	0641708	3	Bolt 7/16 x 1	
12	0681820	2	Bolt 1/2 x 2-1/2	
13	0741605	2	Screw 3/8 x 5/8	
14	0760605	AR	Bolt M6 x 10	
16	0760810	9	Bolt M8 x 20	
17	0761210	1	Bolt M12 x 20	
18	0771212	6	Bolt M12 x 25	
19	0771414	2	Bolt M14 x 30	
20	0940070	1	Bumper	
21	0961986	2	Bushing, Flanged	
22	1703162	1	Decal - Caution Fan Blade	
23	2220315	1	Fitting, Straight Barbed	
24	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this section)	
25	2720015	40 in/1m	Hose	
26	2720340	12 in /30.5cm	Hose	
27	3200401	4	Mount, Motor	
28	3271801	4	Nut 1/2-13	
29	3310401	3	Nut #4	
30	3311405	8	Nut 1/4	
31	3311505	2	Locknut 5/16	
32	3311605	17	Nut 3/8	
33	3580320	1	Pulley	
34	3910408	3	Screw #4 x 1/2	
35	3931432	1	Capscrew 1/4 x 2	
36	3931512	4	Capscrew 5/16 x 3/4	
37	3931628	4	Capscrew 3/8 x 1-3/4	
38	4031914	4	Capscrew M8 x 50	
39	4032014	4	Capscrew M10 x 50	
40	4060805	15 in /38cm	Flex-Trim	
41	4240099	AR	Tie-Strap (Not Shown)	
42	4640751	1	Valve, Oil Drain	
43	4711400	3	Washer 1/4	
44	4711500	5	Washer 5/16	
45	4711700	2	Washer 7/16	
46	4750400	3	Washer #4	
47	4751400	10	Washer 1/4	
48	4751500	4	Washer 5/16	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	4751600	34	Washer 3/8	
50	4811702	2	Washer M6	
51	4811900	4	Washer M8	
52	4812000	8	Washer M10	
53	4812100	7	Washer M12	
54	4812200	5	Washer M14	
56	4891800	4	Washer 1/2	
58	8405007	2	Clamp	
59	8405009	4	Clamp	
60	8405104	4	Clamp	
62	8406102	1	Clip	
63	8406109	1	Clip	
64	8406110	1	Clip	
65	8410011	2	Clamp	
66	8410013	1	Clamp	
67	1001117308	1	Relay	
69	1001135138	1	Adapter	
70	1001135679	1	Adapter	
72	1001136834	1	Cap, Tank	
73	1001137276	1	Fan	
74	1001138173	1	Support	
75	1001138175	1	Bracket	
76	1001138228	1	Relay, Power Module	
76	70023593	1	Fuse 30Amp (Battery Output)	
76	70023592	1	Fuse 20Amp (Switch Output)	
77	1001138248	62 in/1.6m	Tube	
78	1001138489	1	Air Cleaner Assembly	
78	91403102	1	Element, Filter	
79	1001138557	1	Clamp	
82	1001139240	1	Bracket	
83	1001139409	4	Washer, Special	
84	1001249942	1	Engine, Deutz TD2.9L4 T4F (See Separate Breakdown in this Section)	
85	1001140448	1	Mount, Rear Engine	
86	1001140450	1	Mount, Rear Engine	
87	1001140454	1	Mount, Front Engine	
88	1001202368	1	Mount, Generator/Engine	
89	1001230635	1	Tank	
89	0100020	AR	Sealant, Pipe	
89	1001134488	1	Fitting, 90 NPT/ Barbed	
89	1001138827	1	Sensor, Coolant Level	
89	1001140564	1	Fitting, 90 NPT/ Barbed	
89	1001229542	1	Tank, Surge	
91	1001141304	1	Harness, Glow Plug	
92	1001141370	1	Hose	
93	1001267256	1	Shim	
95	1001141585	1	Hose, Inlet	
97	1001141995	1	Fitting, Straight NPT/Barbed	
100	1001143390	1	Indicator, Service	
101	1001143726	1	Harness, Deutz Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
102	1001143797	1	Fitting, Straight Metric/Barbed	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	1001143907	1	Cable, Alternator Power	
104	1001145154	1	Plate, Relay Mounting	
105	1001152489	1	Fitting, 90 Metric/ Barbed	
108	1001167042	1	Radiator	
109	1001266525	1	Hose	
110	1001169138	4	Washer	
111	1001204325	2	Bracket, Radiator	
112	1001190610	1	Tray	
113	1001260413	1	Bracket, Tank	
114	1001177844	1	Hose, Radiator - Upper	
115	1001177845	1	Hose, Radiator - Lower	
116	1001186985	1	Plate, Mounting (Modine Radiator)	
117	1001178223	2	Bracket, Radiator	
118	1001180620	1	Adhesive	
119	1001181899	1	P-Clamp	
120	4811902	8	Washer M8	
121	1001169054	4	Pad, Isolator	
123	1001177359	1	Hose	
124	1001178876	1	Mount, Fuel Filter	
125	5250810	2	Bolt M8 x 20	
126	0761015	2	Bolt M10 x 35	
127	3291005	2	Nut M10	
129	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
130	0771415	3	Bolt M14 x 35 Grade 10.9	
131	5240800	1	Washer M8	
132	0700814	1	Bolt M8 x 30	
133	0681608	1	Bolt 3/8 x 1 Grade 8	
134	1001260412	1	Bracket	
135	1001162335	1	Bracket, Fuel Pump/Filter Assy (Not Shown - See Separate Breakdown in this Section)	

FIGURE 3-21. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)



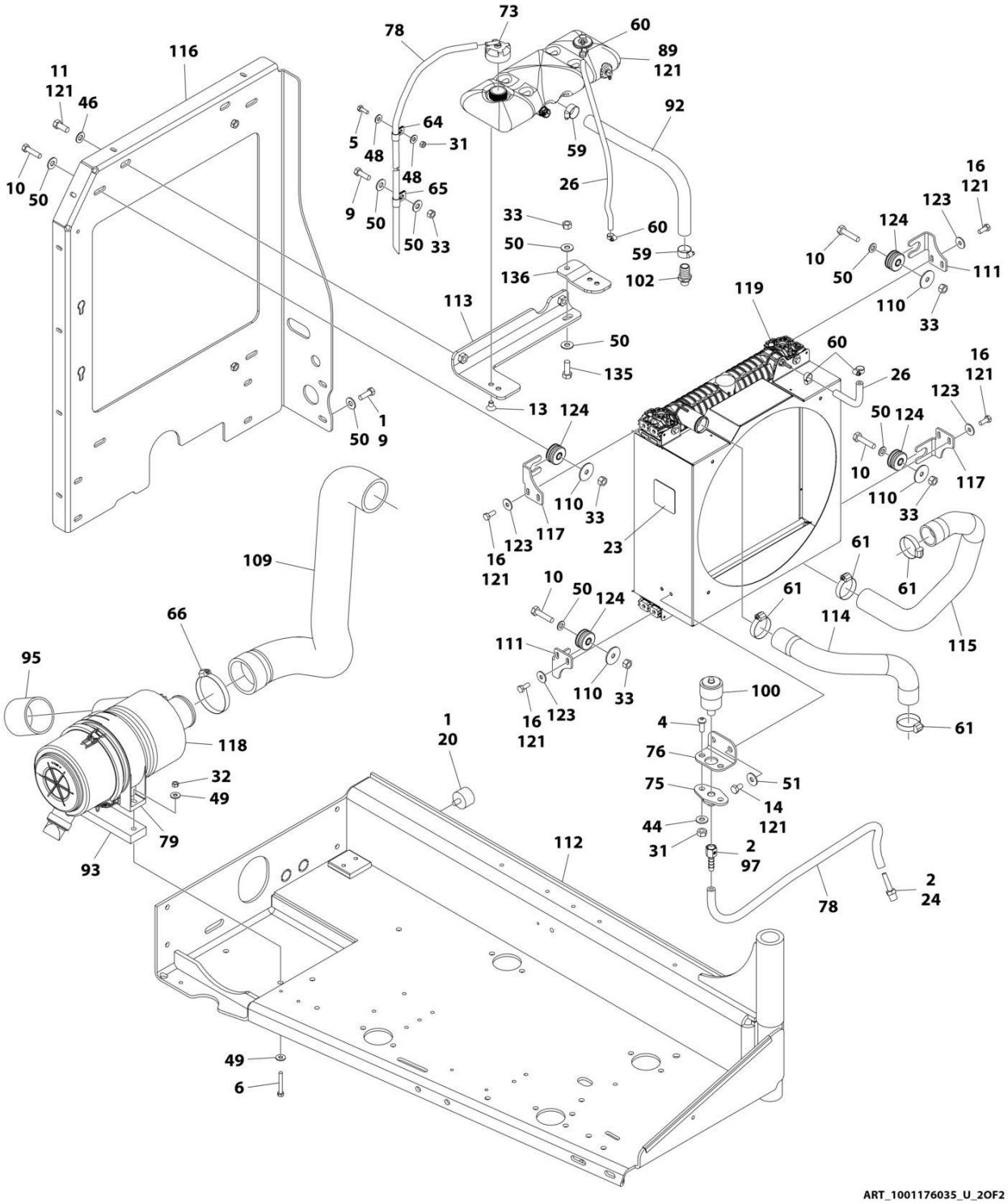

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FIGURE 3-21. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)

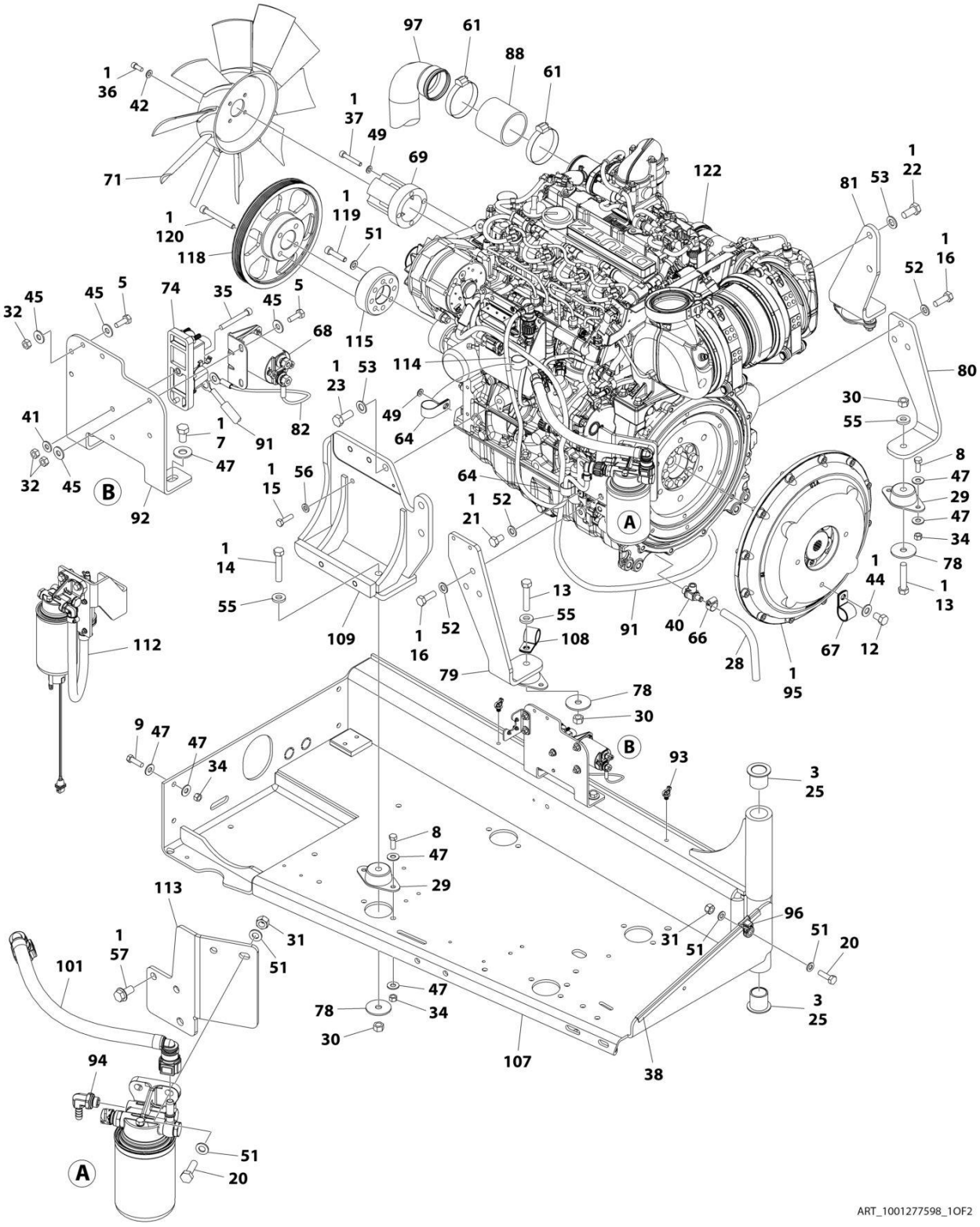
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176035	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)	U
1	0100011	AR	Locking, Compound	
2	0100020	AR	Sealant	
3	0100062	2	Compound, Locking	
4	0630407	5	Screw 1/4 x 5/8	
5	0641406	2	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	8	Bolt 3/8 x 5/8	
8	0641608	6	Bolt 3/8 x 1	
9	0641609	4	Bolt 3/8 x 1-1/8	
10	0641612	2	Bolt 3/8 x 1-1/2	
11	0641708	3	Bolt 7/16 x 1	
12	0681820	2	Bolt 1/2 x 2-1/2 Grade 8	
13	0741605	2	Screw 3/8 x 5/8	
14	0760605	2	Bolt M6 x 10	
16	0760810	9	Bolt M8 x 20	
17	0761210	1	Bolt M12 x 20	
18	0771212	6	Bolt M12 x 25 Grade 10.9	
19	0771414	2	Bolt M14 x 30 Grade 10.9	
20	0940070	1	Bumper	
21	0961986	2	Bushing, Flanged	
22	1001181899	1	P-Clamp	
23	1703162	1	Decal - Caution Fan Blade	
24	2220315	1	Fitting, Straight Barbed	
26	2720015	40 in/1m	Hose	
27	2720340	12 in /30.5cm	Hose	
28	3200401	4	Mount, Motor	
29	3271801	4	Nut 1/2	
30	3310401	3	Nut #4	
31	3311405	8	Nut 1/4	
32	3311505	2	Nut 5/16	
33	3311605	17	Nut 3/8	
34	3580320	1	Pulley	
35	3910408	3	Screw #4 x 1/2	
36	3931432	1	Capscrew 1/4 x 2	
37	3931512	4	Capscrew 5/16 x 3/4	
38	3931628	4	Capscrew 3/8 x 1-3/4	
39	4031914	4	Capscrew M8 x 50	
40	4032014	4	Capscrew M10 x 50	
41	4060805	15 in /38cm	Flex-Trim	
42	4240099	AR	Tie-Strap (Not Shown)	
43	4640751	1	Valve, Oil Drain	
44	4711400	3	Washer 1/4	
45	4711500	5	Washer 5/16	
46	4711700	2	Washer 7/16	
47	4750400	3	Washer #4	
48	4751400	10	Washer 1/4	
49	4751500	4	Washer 5/16	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4751600	34	Washer 3/8	
51	4811702	2	Washer M6	
52	4811900	4	Washer M8	
53	4812000	8	Washer M10	
54	4812100	7	Washer M12	
55	4812200	5	Washer M14	
57	4891800	4	Washer 1/2	
59	8405007	2	Clamp	
60	8405009	4	Clamp	
61	8405104	4	Clamp	
63	8406102	1	Clip	
64	8406109	1	Clip	
65	8406110	1	Clip	
66	8410011	2	Clamp	
67	8410013	1	Clamp	
68	1001117308	1	Relay	
70	1001135138	1	Adapter	
71	1001135679	1	Adapter	
73	1001136834	1	Cap, Tank	
74	1001137276	1	Fan	
75	1001138173	1	Support	
76	1001138175	1	Bracket	
77	1001138228	1	Relay, Power Module	
77	70023592	1	Fuse 20Amp (Switch Output)	
77	70023593	1	Fuse 30Amp (Battery Output)	
78	1001138248	62 in/1.6m	Tube	
79	1001138557	1	Clamp	
82	1001139240	1	Bracket	
83	1001139409	4	Washer, Special	
84	1001249942	1	Engine, Deutz TD2.9L4 T4F (See Separate Breakdown in this Section)	
85	1001140448	1	Mount, Rear Engine	
86	1001140450	1	Mount, Rear Engine	
87	1001140454	1	Mount, Front Engine	
88	1001202368	1	Mount, Generator/Engine	
89	1001230635	1	Tank	
89	0100020	1	Sealant	
89	1001134488	1	Fitting, 90 NPT/ Barbed	
89	1001138827	1	Sensor, Coolant Level	
89	1001140564	1	Fitting, 90 NPT/ Barbed	
89	1001229542	1	Tank, Surge	
91	1001141304	1	Harness, Glow Plug	
92	1001141370	1	Hose	
93	1001267256	1	Shim	
95	1001141585	1	Hose, Inlet	
97	1001141995	1	Fitting, Straight NPT/Barbed	
100	1001143390	1	Indicator, Service	
101	1001143726	1	Harness, Deutz Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
102	1001143797	1	Fitting, Straight Metric/Barbed	
103	1001143907	1	Cable, Alternator Power	
104	1001145154	1	Plate, Relay Mounting	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106	1001152489	1	Fitting, 90 Metric/ Barbed	
107	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
109	1001266525	1	Pipe	
110	1001169138	4	Washer	
111	1001204325	2	Bracket, Radiator	
112	1001190610	1	Tray	
113	1001260413	1	Bracket, Tank	
114	1001177844	1	Hose, Radiator - Upper	
115	1001177845	1	Hose, Radiator - Lower	
116	1001186985	1	Plate, Mounting	
117	1001178223	2	Bracket, Radiator	
118	1001138489	1	Air Cleaner Assembly	
118	91403102	1	Element, Filter	
119	1001167042	1	Radiator	
120	1001140312	1	Heater, Engine Block	
121	1001180620	1	Adhesive	
122	1001181895	1	Adhesive	
123	4811902	8	Washer M8	
124	1001169054	4	Pad, Isolator	
126	1001177359	1	Hose	
127	1001178876	1	Mount, Fuel Filter	
128	5250810	2	Bolt M8 x 20	
129	0761015	2	Bolt M10 x 35	
130	3291005	2	Nut M10	
131	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
132	5240800	1	Washer M8	
133	0700814	1	Bolt M8 x 30	
134	0771415	3	Bolt M14 x 35 Grade 10.9	
135	0681608	1	Bolt 3/8 x 1 Grade 8	
136	1001260412	1	Bracket	
137	1001162335	1	Bracket, Fuel Pump/Filter Assy (Not Shown - See Separate Breakdown in this Section)	

FIGURE 3-22. DEUTZ TD2.9L4 ENGINE ASSEMBLY (STAGE V)



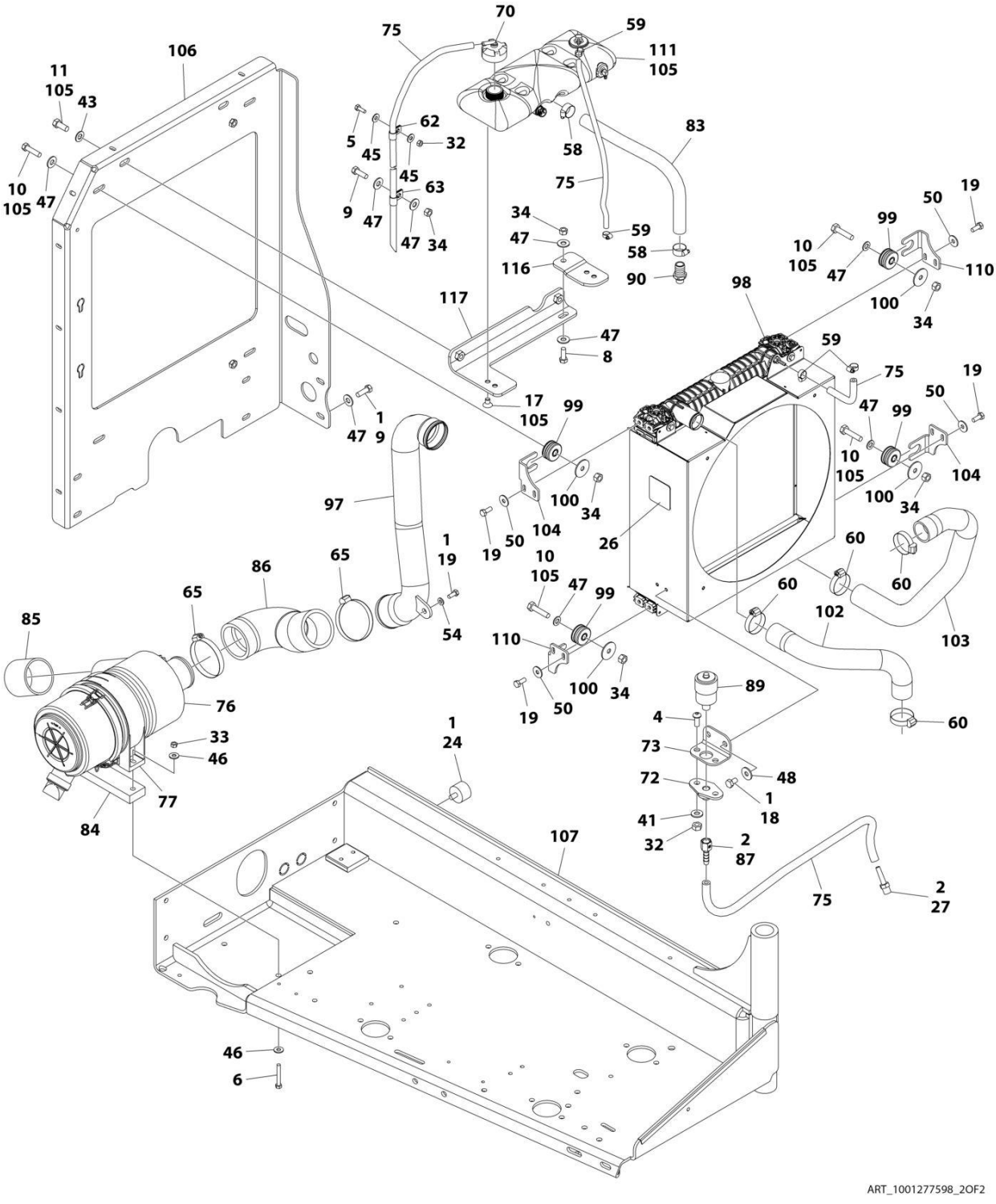

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FIGURE 3-22. DEUTZ TD2.9L4 ENGINE ASSEMBLY (STAGE V)

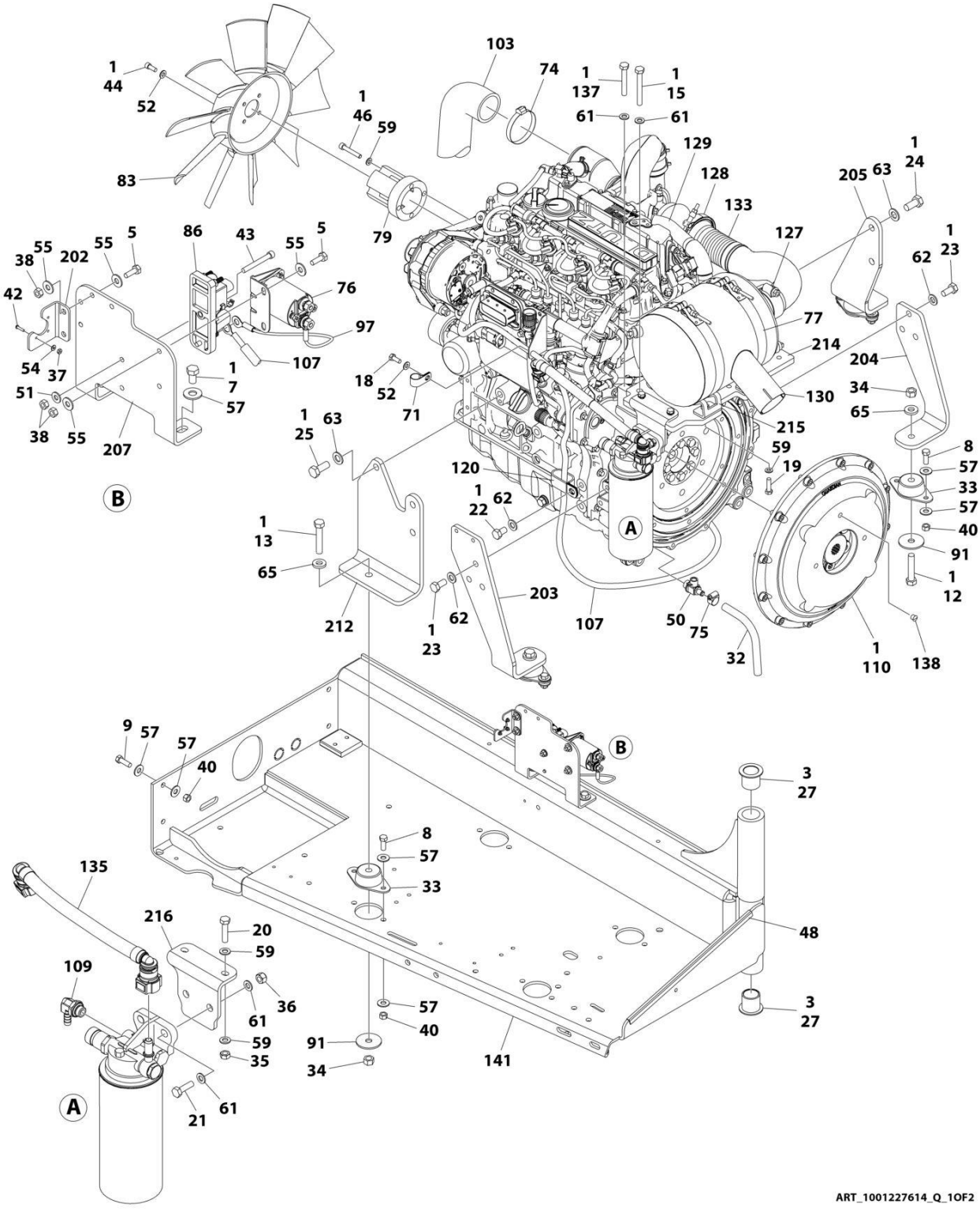
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277598	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY (STAGE V)	C
1	0100011	AR	Locking, Compound	
2	0100020	AR	Sealant	
3	0100062	AR	Compound, Locking	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	3	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	2	Bolt 3/8 x 5/8	
8	0641608	9	Bolt 3/8 x 1	
9	0641609	6	Bolt 3/8 x 1-1/8	
10	0641612	4	Bolt 3/8 x 1-1/2	
11	0641708	2	Bolt 7/16 x 1	
12	0641806	1	Bolt 1/2 x 3/4	
13	0681820	3	Bolt 1/2 x 2-1/2 Grade 8	
14	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0700814	1	Bolt M8 x 30	
16	0711215	6	Bolt M12 x 35	
17	0741605	2	Screw 3/8 x 5/8	
18	0760605	2	Bolt M6 x 10	
19	0760810	9	Bolt M8 x 20	
20	0761015	3	Bolt M10 x 35	
21	0761210	1	Bolt M12 x 20	
22	0771414	2	Bolt M14 x 30 Grade 10.9	
23	0771415	3	Bolt M14 x 35 Grade 10.9	
24	0940070	1	Bumper	
25	0961986	2	Bushing, Flanged	
26	1703162	1	Decal - Caution Fan Blade	
27	2220315	1	Fitting, Straight Barbed	
28	2720340	12 in /.305m	Hose	
29	3200401	4	Mount, Motor	
30	3271801	4	Nut 1/2 Grade 8	
31	3291005	3	Nut M10	
32	3311405	6	Nut 1/4	
33	3311505	2	Nut 5/16	
34	3311605	17	Nut 3/8	
35	3931432	1	Capscrew 1/4 x 2	
36	3931512	4	Capscrew 5/16 x 3/4	
37	4031914	4	Capscrew M8 x 50	
38	4060805	15 in /38cm	Flex-Trim	
39	4240099	AR	Tie-Strap (Not Shown)	
40	4640751	1	Valve, Oil Drain	
41	4711400	3	Washer 1/4	
42	4711500	4	Washer 5/16	
43	4711700	2	Washer 7/16	
44	4711800	1	Washer 1/2	
45	4751400	6	Washer 1/4	
46	4751500	4	Washer 5/16	
47	4751600	34	Washer 3/8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	4811702	2	Washer M6	
49	4811900	5	Washer M8	
50	4811902	8	Washer M8	
51	4812000	10	Washer M10	
52	4812100	7	Washer M12	
53	4812200	5	Washer M14	
54	4891500	1	Washer 5/16	
55	4891800	4	Washer 1/2	
56	5240800	1	Washer M8	
57	5251010	2	Bolt M10 x 20	
58	8405007	2	Clamp	
59	8405009	4	Clamp	
60	8405104	4	Clamp	
61	8405204	2	Clamp	
62	8406109	1	Clip	
63	8406110	1	Clip	
64	8406201	2	Clip	
65	8410011	2	Clamp	
66	8410013	1	Clamp	
67	85031405	1	Clamp	
68	1001117308	1	Relay	
69	1001135138	1	Adapter	
70	1001136834	1	Cap, Tank	
71	1001137276	1	Fan	
72	1001138173	1	Support	
73	1001138175	1	Bracket	
74	1001138228	1	Relay, Power Module	
75	1001138248	90 in/2.2m	Tube	
76	1001138489	1	Air Cleaner Assembly	
77	1001138557	1	Clamp	
78	1001139409	4	Washer, Special	
79	1001140448	1	Mount, Rear Engine	
80	1001140450	1	Mount, Rear Engine	
81	1001140454	1	Mount, Front Engine	
82	1001141304	1	Harness, Glow Plug	
83	1001141370	1	Hose	
84	1001141419	1	Shim	
85	1001141585	1	Hose, Inlet	
86	1001141586	1	Pipe, Intake	
87	1001141995	1	Fitting, Straight NPT/Barbed	
88	1001142623	1	Hose, Inlet	
89	1001143390	1	Indicator, Service	
90	1001143797	1	Fitting, Straight Metric/Barbed	
91	1001143907	1	Cable, Alternator Power	
92	1001145154	1	Plate, Relay Mounting	
93	1001146588	3	Strap	
94	1001152489	1	Fitting, 90 Metric/ Barbed	
95	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this section)	
96	1001156107	1	Holder, Cable	
97	1001165842	1	Pipe	
98	1001167042	1	Radiator (Modine Radiator)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
99	1001169054	4	Pad, Isolator	
100	1001169138	4	Washer	
101	1001177359	1	Hose	
102	1001177844	1	Hose, Radiator - Upper	
103	1001177845	1	Hose, Radiator - Lower	
104	1001178223	2	Bracket, Radiator	
105	1001180620	AR	Adhesive	
106	1001186985	1	Plate, Mounting	
107	1001190610	1	Tray	
108	1001191620	1	Clamp	
109	1001202368	1	Mount, Generator/Engine	
110	1001204325	2	Bracket, Radiator	
111	1001230635	1	Tank	
112	1001235949	1	Bracket, Fuel Pump/Filter Assy (See Separate Breakdown in this Section)	
113	1001238268	1	Mount, Fuel Filter	
114	1001245913	1	Harness, Deutz TD2.9L4 (Stage V) Engine Fuel Filter (See Separate Breakdown in ELECTRICAL Section)	
115	1001258800	1	Adapter	
116	1001260412	1	Bracket, Surge Tank	
117	1001260413	1	Bracket, Tank	
118	1001281192	1	Pulley	
119	1001261045	4	Capscrew M10 x 45	
120	1001261085	4	Capscrew M10 x 85	
121	1001276644	1	Harness Deutz (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
122	1001277592	1	Engine Deutz (See Separate Breakdown in this section)	

FIGURE 3-23. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA III SPECS)



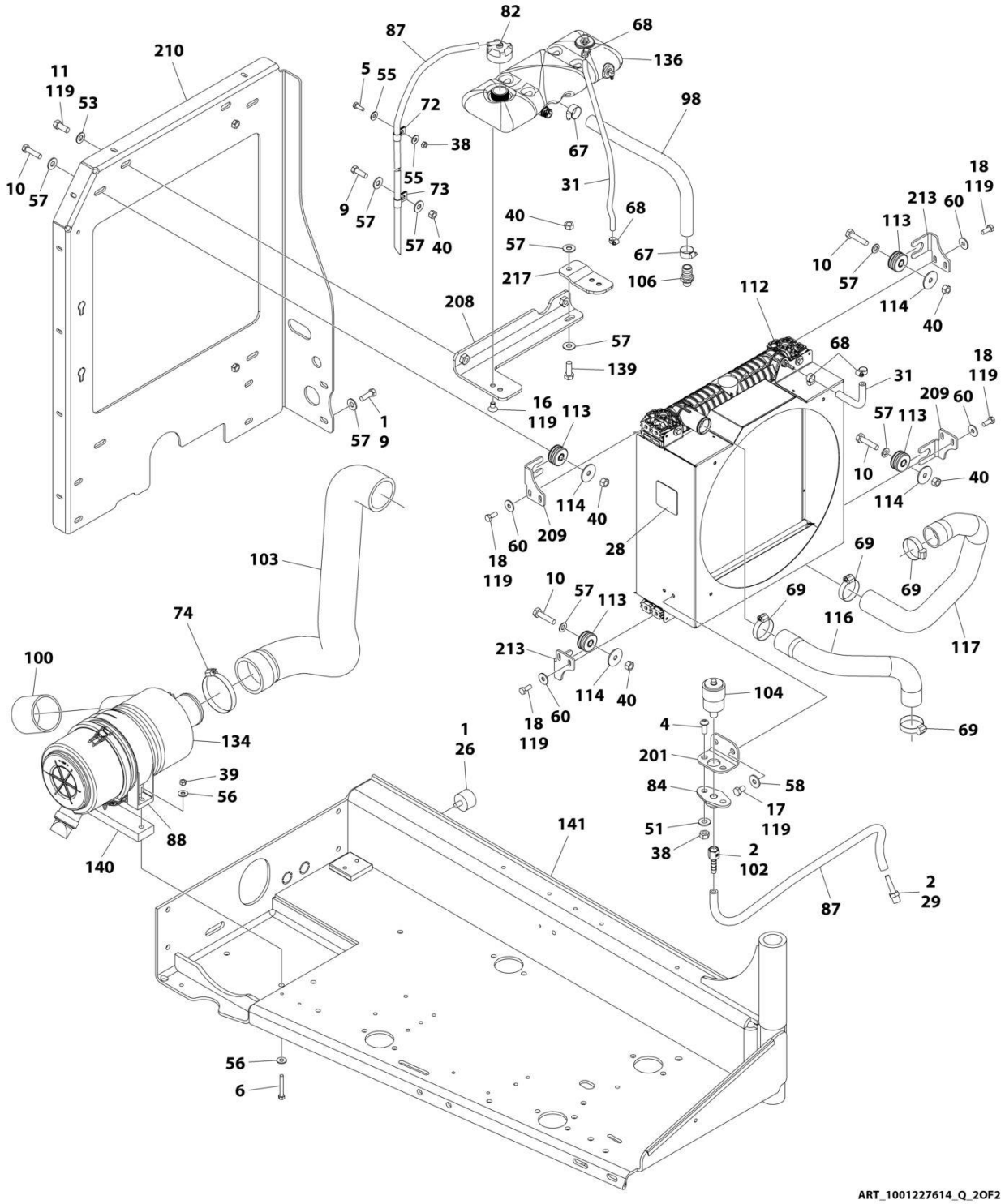

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FIGURE 3-23. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA III SPECS)

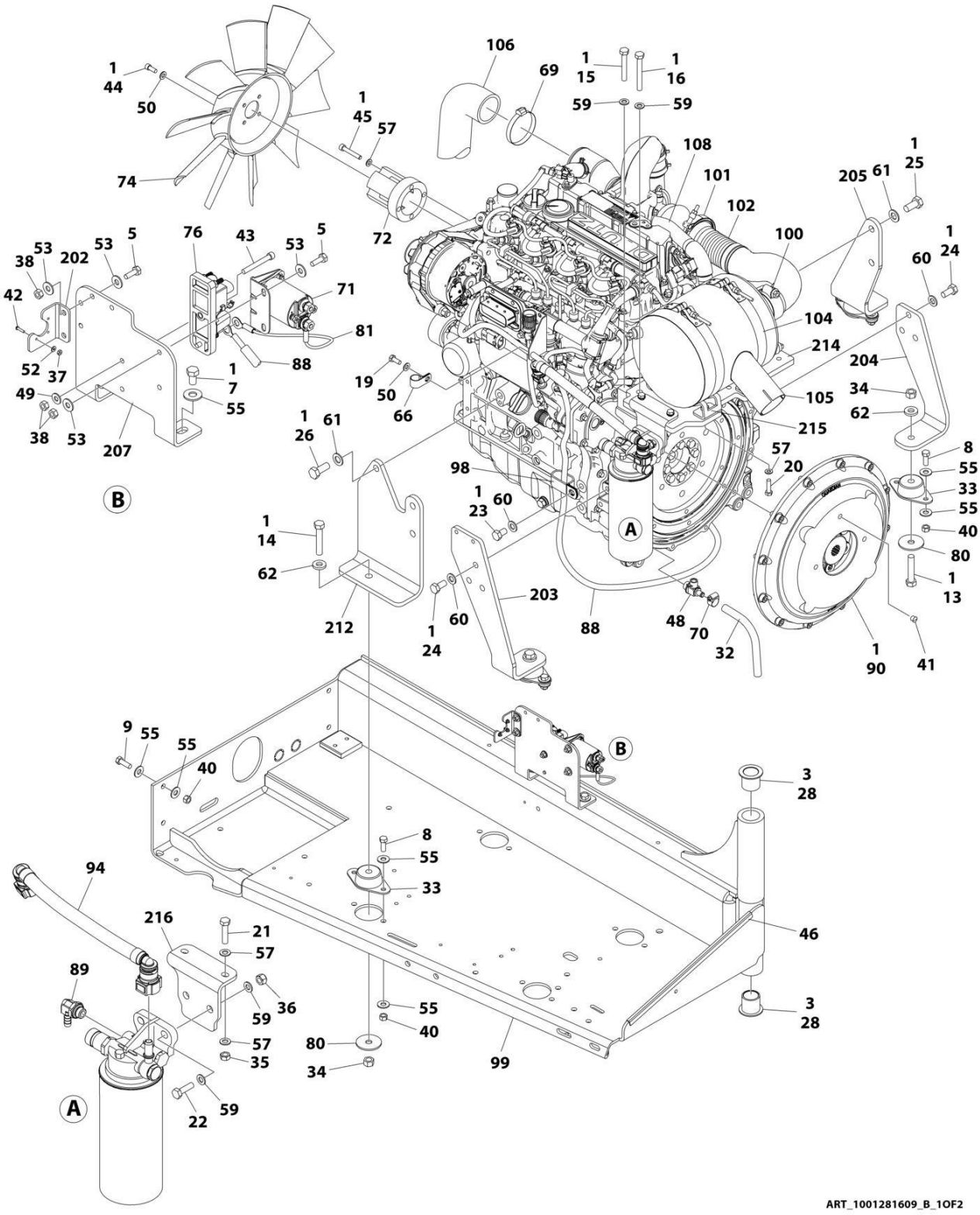
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227614	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY	Q
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Compound, Locking	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	5	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	2	Bolt 3/8 x 5/8	
8	0641608	8	Bolt 3/8 x 1	
9	0641609	6	Bolt 3/8 x 1-1/8	
10	0641612	4	Bolt 3/8 x 1-1/2	
11	0641708	2	Bolt 7/16 x 1	
12	0681820	3	Bolt 1/2 x 2-1/2 Grade 8	
13	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0701025	2	Bolt M10 x 85	
16	0741605	2	Screw 3/8 x 5/8	
17	0760605	2	Bolt M6 x 10	
18	0760810	10	Bolt M8 x 20	
19	0760814	4	Bolt M8 x 30	
20	0760815	2	Bolt M8 x 35	
21	0761015	2	Bolt M10 x 35	
22	0761210	1	Bolt M12 x 20	
23	0771212	6	Bolt M12 x 25 Grade 10.9	
24	0771414	2	Bolt M14 x 30 Grade 10.9	
25	0771415	3	Bolt M14 x 35	
26	0940070	1	Bumper	
27	0961986	2	Bushing, Flanged	
28	1703162	1	Decal - Caution Fan Blade	
29	2220315	1	Fitting, Straight Barbed	
31	2720015	2.32 ft /0.71m	Hose	
32	2720340	1 ft /0.31m	Hose	
33	3200401	4	Mount, Motor	
34	3271801	4	Nut 1/2	
35	3290801	2	Nut M8	
36	3291005	2	Nut M10	
37	3310401	3	Nut #4	
38	3311405	8	Nut 1/4	
39	3311505	2	Locknut 5/16	
40	3311605	17	Nut 3/8	
42	3910408	3	Screw #4 x 1/2	
43	3931432	1	Capscrew 1/4 x 2	
44	3931512	4	Capscrew 5/16 x 3/4	
46	4031914	4	Capscrew M8 x 50	
48	4060805	1.2 m /0.39m	Flex-Trim	
49	4240099	AR	Tie-Strap (Not Shown)	
50	4640751	1	Valve, Oil Drain	
51	4711400	3	Washer 1/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	4711500	5	Washer 5/16	
53	4711700	2	Washer 7/16	
54	4750400	3	Washer #4	
55	4751400	10	Washer 1/4	
56	4751500	4	Washer 5/16	
57	4751600	34	Washer 3/8	
58	4811702	2	Washer M6	
59	4811900	12	Washer M8	
60	4811902	8	Washer M8	
61	4812000	8	Washer M10	
62	4812100	7	Washer M12	
63	4812200	5	Washer M14	
65	4891800	4	Washer 1/2	
67	8405007	2	Clamp	
68	8405009	4	Clamp	
69	8405104	4	Clamp	
71	8406102	1	Clip	
72	8406109	1	Clip	
73	8406110	1	Clip	
74	8410011	2	Clamp	
75	8410013	1	Clamp	
76	1001117308	1	Relay	
77	1001233089	2	Strap	
79	1001135138	1	Adapter	
82	1001136834	1	Cap, Tank	
83	1001137276	1	Fan	
84	1001138173	1	Support	
86	1001138228	1	Relay, Power Module	
87	1001138248	62 in/1.6m	Tube	
88	1001138557	1	Clamp	
91	1001139409	4	Washer, Special	
97	1001141304	1	Harness, Glow Plug	
98	1001141370	1	Hose	
100	1001141585	1	Hose, Inlet	
102	1001141995	1	Fitting, Straight NPT/Barbed	
103	1001266525	1	Hose, Inlet	
104	1001143390	1	Indicator, Service	
105	1001143726	1	Harness, Deutz Engine (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
106	1001143797	1	Fitting, Straight Metric/Barbed	
107	1001143907	1	Cable, Alternator Power	
109	1001152489	1	Fitting, 90 Metric/ Barbed	
110	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
112	1001167042	1	Radiator	
113	1001169054	4	Isolator	
114	1001169138	4	Washer	
116	1001177844	1	Hose, Radiator - Upper	
117	1001177845	1	Hose, Radiator - Lower	
119	1001180620	AR	Adhesive	
120	1001181899	1	P-Clamp	
127	1001221212	1	Clamp	
128	1001221219	1	Clamp	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
129	1001223591	1	Engine, Deutz TD2.9L4 Components (See Separate Breakdown in this Section)	
130	1001257278	1	Muffler	
133	1001224940	1	Pipe, Exhaust	
134	1001138489	1	Air Cleaner Assembly	
134	91403102	1	Element, Filter	
135	1001177359	1	Hose	
136	1001230635	1	Tank	
137	0701022	2	Bolt M10 x 70	
138	3520054	1	Plug	
139	0681608	1	Bolt 3/8 x 1 Grade 8	
140	1001267256	1	Shim, Air Cleaner	
141	1001190610	1	Support, Engine Try	
200	1001257412	1	Bracket Engine Kit (Includes Items 201-217)	E
201	1001138175	1	Bracket	
202	1001139240	1	Bracket	
203	1001140448	1	Mount, Rear Engine	
204	1001140450	1	Mount, Rear Engine	
205	1001140454	1	Mount, Front Engine	
207	1001145154	1	Plate, Relay Mounting	
208	1001260413	1	Bracket, Tank	
209	1001178223	2	Bracket, Radiator	
210	1001186985	1	Plate, Mounting	
212	1001266499	1	Mount, Generator/Engine	
213	1001204325	2	Bracket, Radiator	
214	1001221203	1	Bracket	
215	1001224936	1	Mount, Doc Weldment	
216	1001224937	2	Mount, Fuel Filter	
217	1001260412	1	Bracket	

FIGURE 3-24. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV SPECS) (Prior to SN 0300296643)



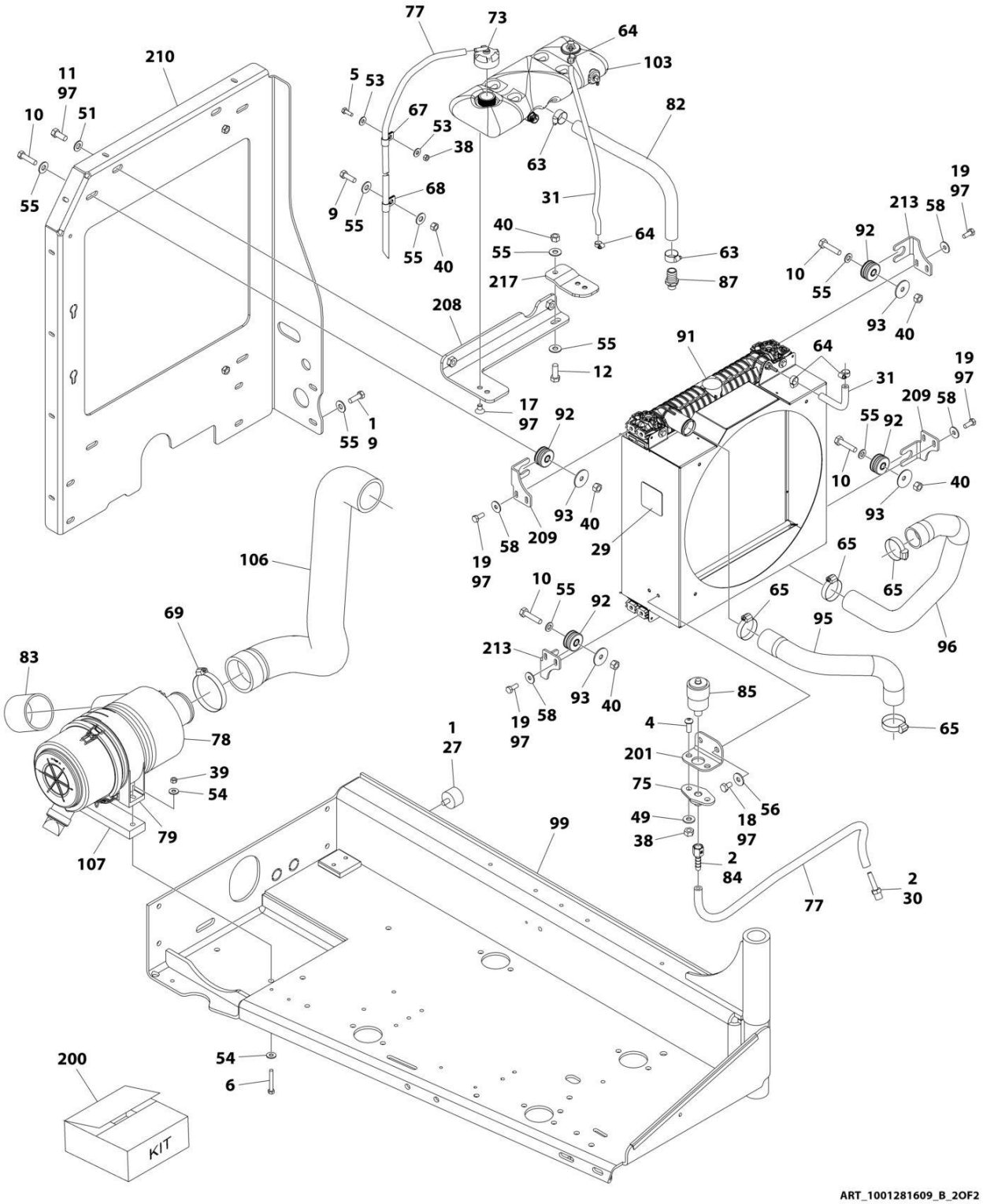

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FIGURE 3-24. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV SPECS) (Prior to SN 0300296643)

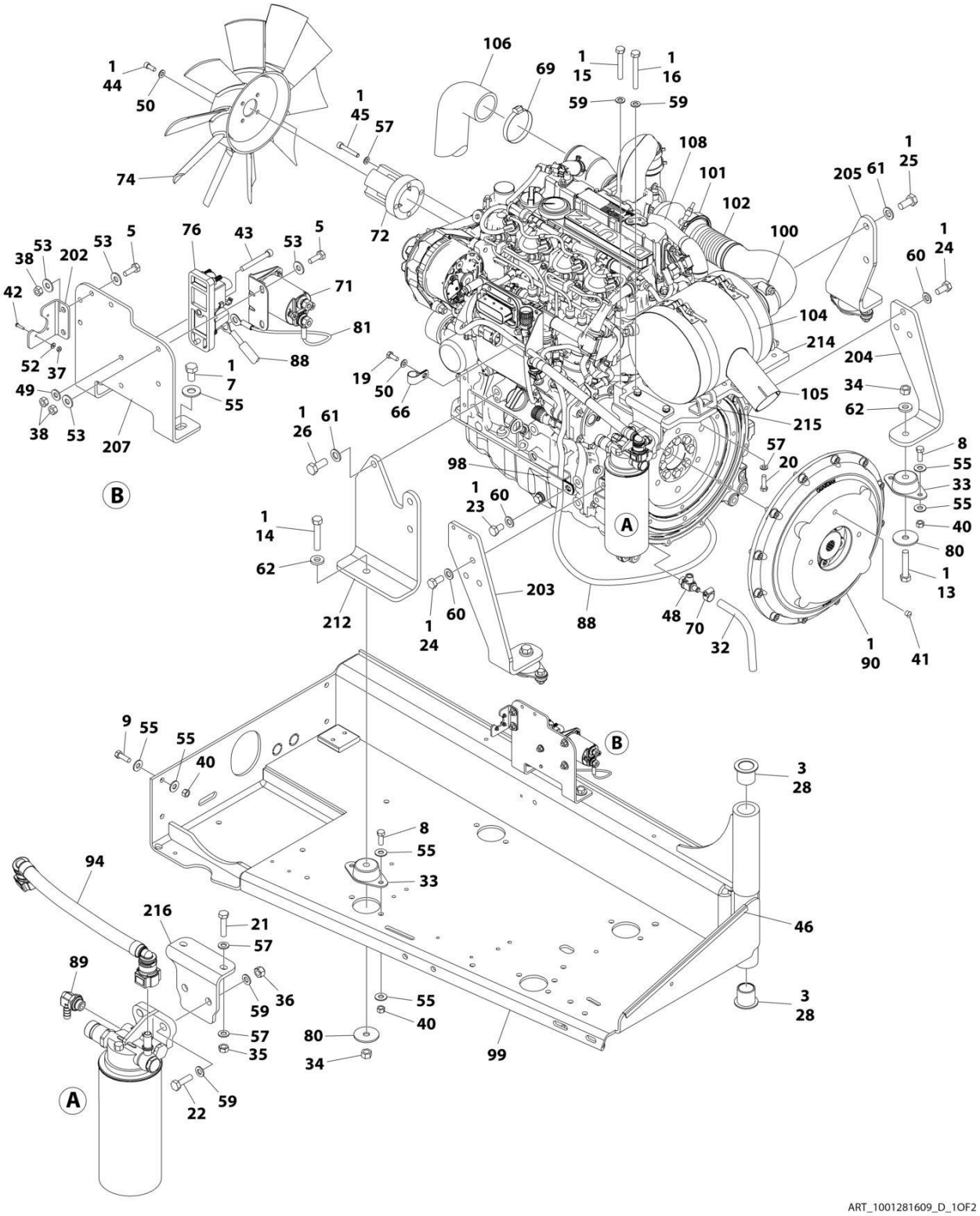
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281609	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Compound, Locking	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	5	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	2	Bolt 3/8 x 5/8	
8	0641608	8	Bolt 3/8 x 1	
9	0641609	6	Bolt 3/8 x 1-1/8	
10	0641612	4	Bolt 3/8 x 1-1/2	
11	0641708	2	Bolt 7/16 x 1	
12	0681608	1	Bolt 3/8 x 1 Grade 8	
13	0681820	3	Bolt 1/2 x 2-1/2 Grade 8	
14	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0701022	2	Bolt M10 x 70	
16	0701025	2	Bolt M10 x 85	
17	0741605	2	Screw 3/8 x 5/8	
18	0760605	2	Bolt M6 x 10	
19	0760810	9	Bolt M8 x 20	
20	0760814	4	Bolt M8 x 30	
21	0760815	2	Bolt M8 x 35	
22	0761015	2	Bolt M10 x 35	
23	0761210	1	Bolt M12 x 20	
24	0771212	6	Bolt M12 x 25 Grade 10.9	
25	0771414	2	Bolt M14 x 30 Grade 10.9	
26	0771415	3	Bolt M14 x 35	
27	0940070	1	Bumper	
28	0961986	2	Bushing, Flanged	
29	1703162	1	Decal - Caution Fan Blade	
30	2220315	1	Fitting, Straight Barbed	
31	2720015	2.32 ft /0.71m	Hose	
32	2720340	1 ft /0.31m	Hose	
33	3200401	4	Mount, Motor	
34	3271801	4	Nut 1/2	
35	3290801	2	Nut M8	
36	3291005	2	Nut M10	
37	3310401	3	Nut #4	
38	3311405	8	Nut 1/4	
39	3311505	2	Locknut 5/16	
40	3311605	17	Nut 3/8	
41	3520054	1	Plug	
42	3910408	3	Screw #4 x 1/2	
43	3931432	1	Capscrew 1/4 x 2	
44	3931512	4	Capscrew 5/16 x 3/4	
45	4031914	4	Capscrew M8 x 50	
46	4060805	1.2 m /0.39m	Flex-Trim	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	4240099	AR	Tie-Strap (Not Shown)	
48	4640751	1	Valve, Oil Drain	
49	4711400	3	Washer 1/4	
50	4711500	5	Washer 5/16	
51	4711700	2	Washer 7/16	
52	4750400	3	Washer #4	
53	4751400	10	Washer 1/4	
54	4751500	4	Washer 5/16	
55	4751600	34	Washer 3/8	
56	4811702	2	Washer M6	
57	4811900	12	Washer M8	
58	4811902	8	Washer M8	
59	4812000	8	Washer M10	
60	4812100	7	Washer M12	
61	4812200	5	Washer M14	
62	4891800	4	Washer 1/2	
63	8405007	2	Clamp	
64	8405009	4	Clamp	
65	8405104	4	Clamp	
66	8406102	1	Clip	
67	8406109	1	Clip	
68	8406110	1	Clip	
69	8410011	2	Clamp	
70	8410013	1	Clamp	
71	1001117308	1	Relay	
72	1001135138	1	Adapter	
73	1001136834	1	Cap, Tank	
74	1001137276	1	Fan	
75	1001138173	1	Support	
76	1001138228	1	Relay, Power Module	
77	1001138248	62 in/1.6m	Tube	
78	1001138489	1	Air Cleaner Assembly	
78	91403102	1	Element, Filter	
79	1001138557	1	Clamp	
80	1001139409	4	Washer, Special	
81	1001141304	1	Harness, Glow Plug	
82	1001141370	1	Hose	
83	1001141585	1	Hose, Inlet	
84	1001141995	1	Fitting, Straight NPT/Barbed	
85	1001143390	1	Indicator, Service	
86	1001238878	1	Harness, Deutz Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
87	1001143797	1	Fitting, Straight Metric/Barbed	
88	1001143907	1	Cable, Alternator Power	
89	1001152489	1	Fitting, 90 Metric/ Barbed	
90	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
91	1001167042	1	Radiator	
92	1001169054	4	Isolator	
93	1001169138	4	Washer	
94	1001177359	1	Hose	
95	1001177844	1	Hose, Radiator - Upper	
96	1001177845	1	Hose, Radiator - Lower	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
97	1001180620	AR	Adhesive	
98	1001181899	1	P-Clamp	
99	1001190610	1	Support, Engine Try	
100	1001221212	1	Clamp	
101	1001221219	1	Clamp	
102	1001224940	1	Pipe, Exhaust	
103	1001230635	1	Tank	
104	1001233089	2	Strap	
105	1001257278	1	Muffler	
106	1001266525	1	Hose, Inlet	
107	1001267256	1	Shim, Air Cleaner	
108	1001281610	1	Engine, Deutz TD2.9L4 Components (See Separate Breakdown in this Section)	
109	1001281985	1	Connector (Not Shown - Use With Harness 1001238878)	
110	1001281986	1	Connector (Not Shown - Use With Harness 1001238878)	
200	1001257412	1	Bracket Engine Kit (Includes Items 201-217)	D
201	1001138175	1	Bracket	
202	1001139240	1	Bracket	
203	1001140448	1	Mount, Rear Engine	
204	1001140450	1	Mount, Rear Engine	
205	1001140454	1	Mount, Front Engine	
207	1001145154	1	Plate, Relay Mounting	
208	1001260413	1	Bracket, Tank	
209	1001178223	2	Bracket, Radiator	
210	1001186985	1	Plate, Mounting	
212	1001266499	1	Mount, Generator/Engine	
213	1001204325	2	Bracket, Radiator	
214	1001221203	1	Bracket	
215	1001224936	2	Mount, Doc Weldment	
216	1001224937	1	Mount, Fuel Filter	
217	1001260412	1	Bracket	

FIGURE 3-25. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV) (SN 0300296643 through 0300296646)



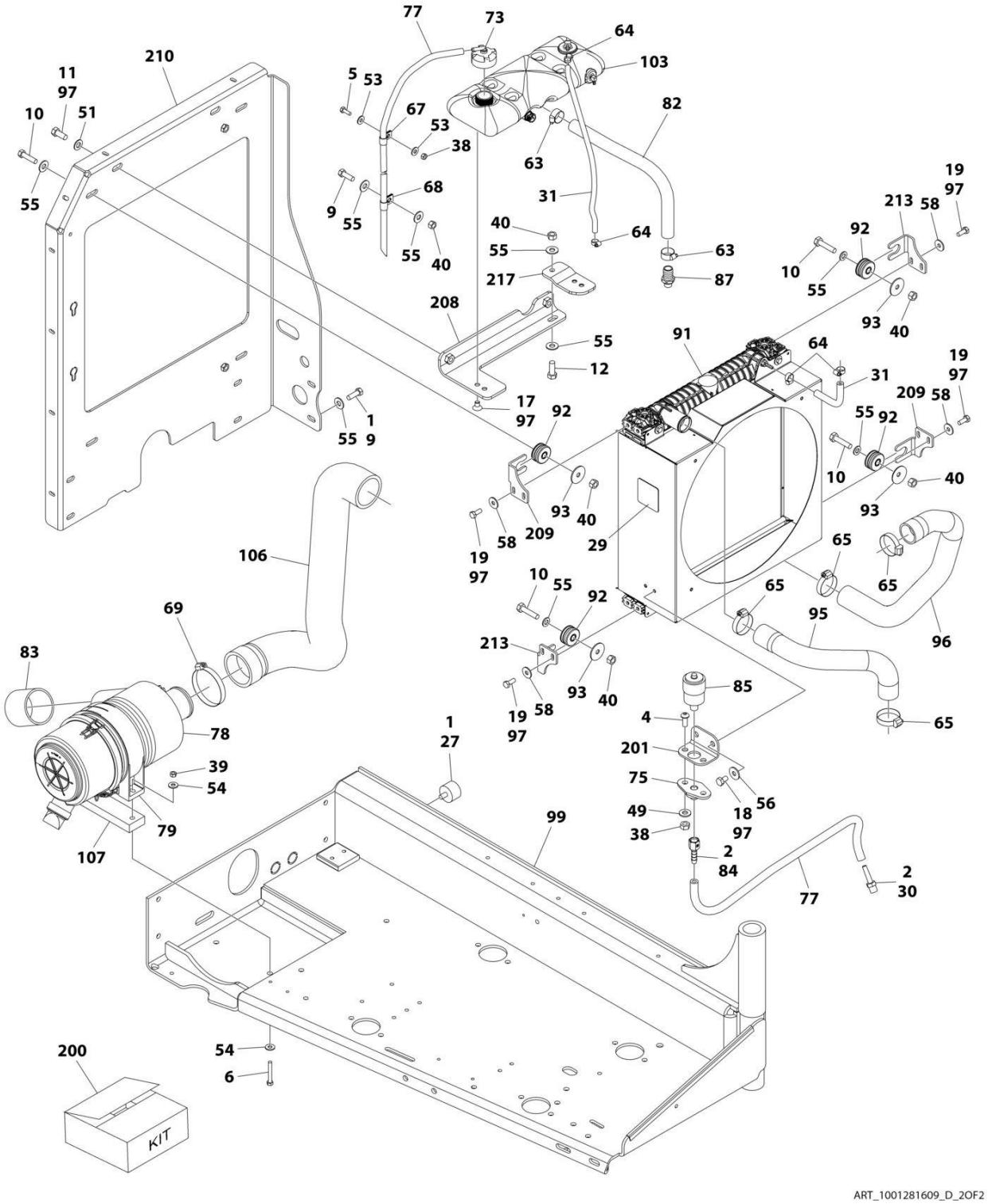

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FIGURE 3-25. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV) (SN 0300296643 through 0300296646)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281609	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY	D
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Compound, Locking	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	5	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	2	Bolt 3/8 x 5/8	
8	0641608	8	Bolt 3/8 x 1	
9	0641609	6	Bolt 3/8 x 1-1/8	
10	0641612	4	Bolt 3/8 x 1-1/2	
11	0641708	2	Bolt 7/16 x 1	
12	0681608	1	Bolt 3/8 x 1 Grade 8	
13	0681820	3	Bolt 1/2 x 2-1/2 Grade 8	
14	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0701022	2	Bolt M10 x 70	
16	0701025	2	Bolt M10 x 85	
17	0741605	2	Screw 3/8 x 5/8	
18	0760605	2	Bolt M6 x 10	
19	0760810	9	Bolt M8 x 20	
20	0760814	4	Bolt M8 x 30	
21	0760815	2	Bolt M8 x 35	
22	0761015	2	Bolt M10 x 35	
23	0761210	1	Bolt M12 x 20	
24	0771212	6	Bolt M12 x 25 Grade 10.9	
25	0771414	2	Bolt M14 x 30 Grade 10.9	
26	0771415	3	Bolt M14 x 35	
27	0940070	1	Bumper	
28	0961986	2	Bushing, Flanged	
29	1703162	1	Decal - Caution Fan Blade	
30	2220315	1	Fitting, Straight Barbed	
31	2720015	2.32 ft /0.71m	Hose	
32	2720340	1 ft /0.31m	Hose	
33	3200401	4	Mount, Motor	
34	3271801	4	Nut 1/2	
35	3290801	2	Nut M8	
36	3291005	2	Nut M10	
37	3310401	3	Nut #4	
38	3311405	8	Nut 1/4	
39	3311505	2	Locknut 5/16	
40	3311605	17	Nut 3/8	
41	3520054	1	Plug	
42	3910408	3	Screw #4 x 1/2	
43	3931432	1	Capscrew 1/4 x 2	
44	3931512	4	Capscrew 5/16 x 3/4	
45	4031912	4	Capscrew M8 x 50	
46	4060805	1.2 m /0.39m	Flex-Trim	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	4240099	AR	Tie-Strap (Not Shown)	
48	4640751	1	Valve, Oil Drain	
49	4711400	3	Washer 1/4	
50	4711500	5	Washer 5/16	
51	4711700	2	Washer 7/16	
52	4750400	3	Washer #4	
53	4751400	10	Washer 1/4	
54	4751500	4	Washer 5/16	
55	4751600	34	Washer 3/8	
56	4811702	2	Washer M6	
57	4811900	12	Washer M8	
58	4811902	8	Washer M8	
59	4812000	8	Washer M10	
60	4812100	7	Washer M12	
61	4812200	5	Washer M14	
62	4891800	4	Washer 1/2	
63	8405007	2	Clamp	
64	8405009	4	Clamp	
65	8405104	4	Clamp	
66	8406102	1	Clip	
67	8406109	1	Clip	
68	8406110	1	Clip	
69	8410011	2	Clamp	
70	8410013	1	Clamp	
71	1001117308	1	Relay	
72	1001289964	1	Adapter	
73	1001136834	1	Cap, Tank	
74	1001137276	1	Fan	
75	1001138173	1	Support	
76	1001138228	1	Relay, Power Module	
77	1001138248	62 in/1.6m	Tube	
78	1001138489	1	Air Cleaner Assembly	
78	91403102	1	Element, Filter	
79	1001138557	1	Clamp	
80	1001139409	4	Washer, Special	
81	1001141304	1	Harness, Glow Plug	
82	1001141370	1	Hose	
83	1001141585	1	Hose, Inlet	
84	1001141995	1	Fitting, Straight NPT/Barbed	
85	1001143390	1	Indicator, Service	
86	1001276644	1	Harness, Deutz Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
87	1001143797	1	Fitting, Straight Metric/Barbed	
88	1001143907	1	Cable, Alternator Power	
89	1001152489	1	Fitting, 90 Metric/ Barbed	
90	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
91	1001167042	1	Radiator	
92	1001169054	4	Isolator	
93	1001169138	4	Washer	
94	1001177359	1	Hose	
95	1001177844	1	Hose, Radiator - Upper	
96	1001177845	1	Hose, Radiator - Lower	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
97	1001180620	AR	Adhesive	
98	1001181899	1	P-Clamp	
99	1001190610	1	Support, Engine Try	
100	1001221212	1	Clamp	
101	1001221219	1	Clamp	
102	1001224940	1	Pipe, Exhaust	
103	1001230635	1	Tank	
104	1001233089	2	Strap	
105	1001257278	1	Muffler	
106	1001266525	1	Hose, Inlet	
107	1001267256	1	Shim, Air Cleaner	
108	1001281610	1	Engine, Deutz TD2.9L4 Components (See Separate Breakdown in this Section)	
109	1001281985	1	Connector (Not Shown - Use With Harness 1001238878)	
110	1001281986	1	Connector (Not Shown - Use With Harness 1001238878)	
200	1001257412	1	Bracket Engine Kit (Includes Items 201-217)	D
201	1001138175	1	Bracket	
202	1001139240	1	Bracket	
203	1001140448	1	Mount, Rear Engine	
204	1001140450	1	Mount, Rear Engine	
205	1001140454	1	Mount, Front Engine	
207	1001145154	1	Plate, Relay Mounting	
208	1001260413	1	Bracket, Tank	
209	1001178223	2	Bracket, Radiator	
210	1001186985	1	Plate, Mounting	
212	1001266499	1	Mount, Generator/Engine	
213	1001204325	2	Bracket, Radiator	
214	1001221203	1	Bracket	
215	1001224936	2	Mount, Doc Weldment	
216	1001224937	1	Mount, Fuel Filter	
217	1001260412	1	Bracket	

FIGURE 3-26. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV) (SN 0300296647 to Present)

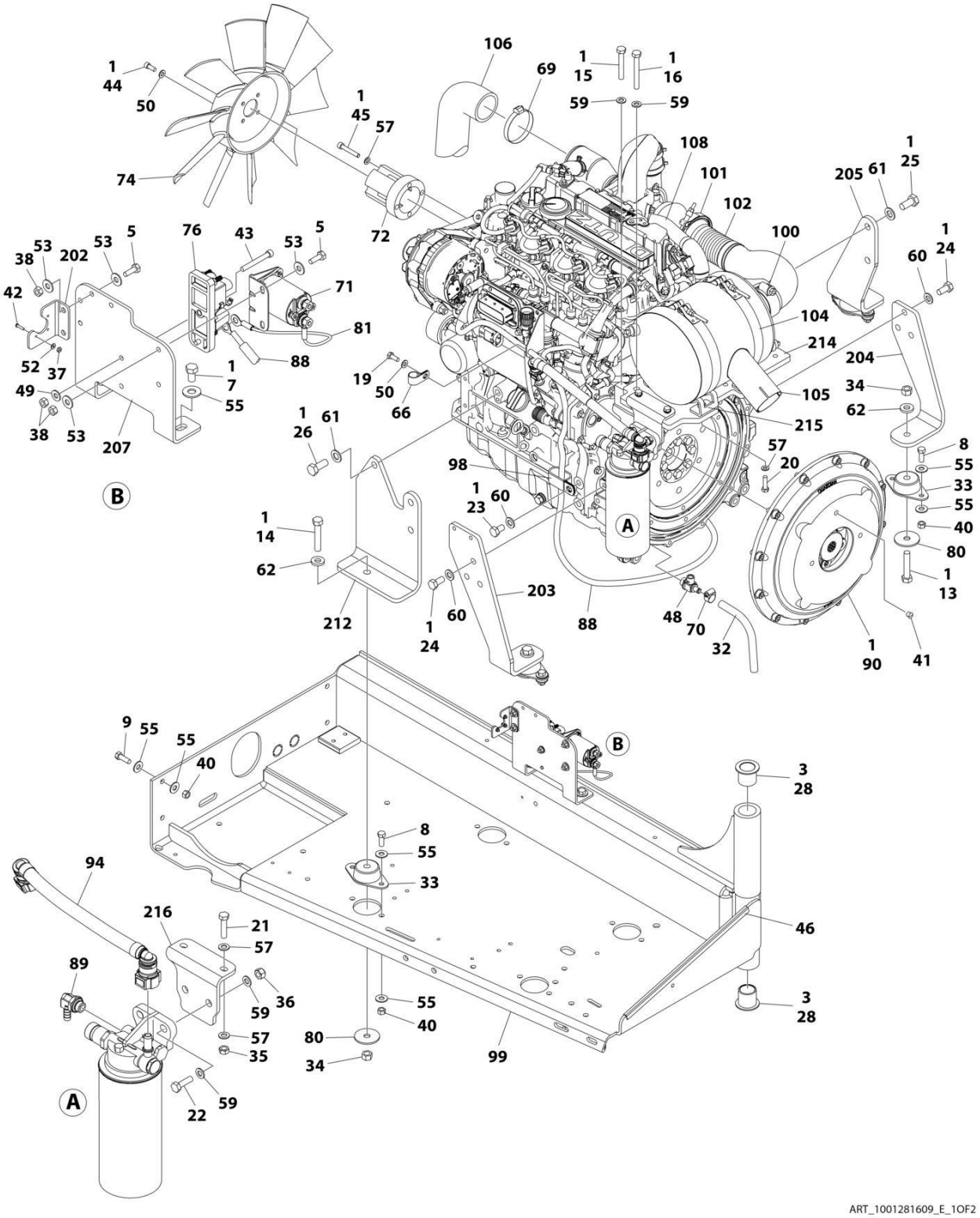
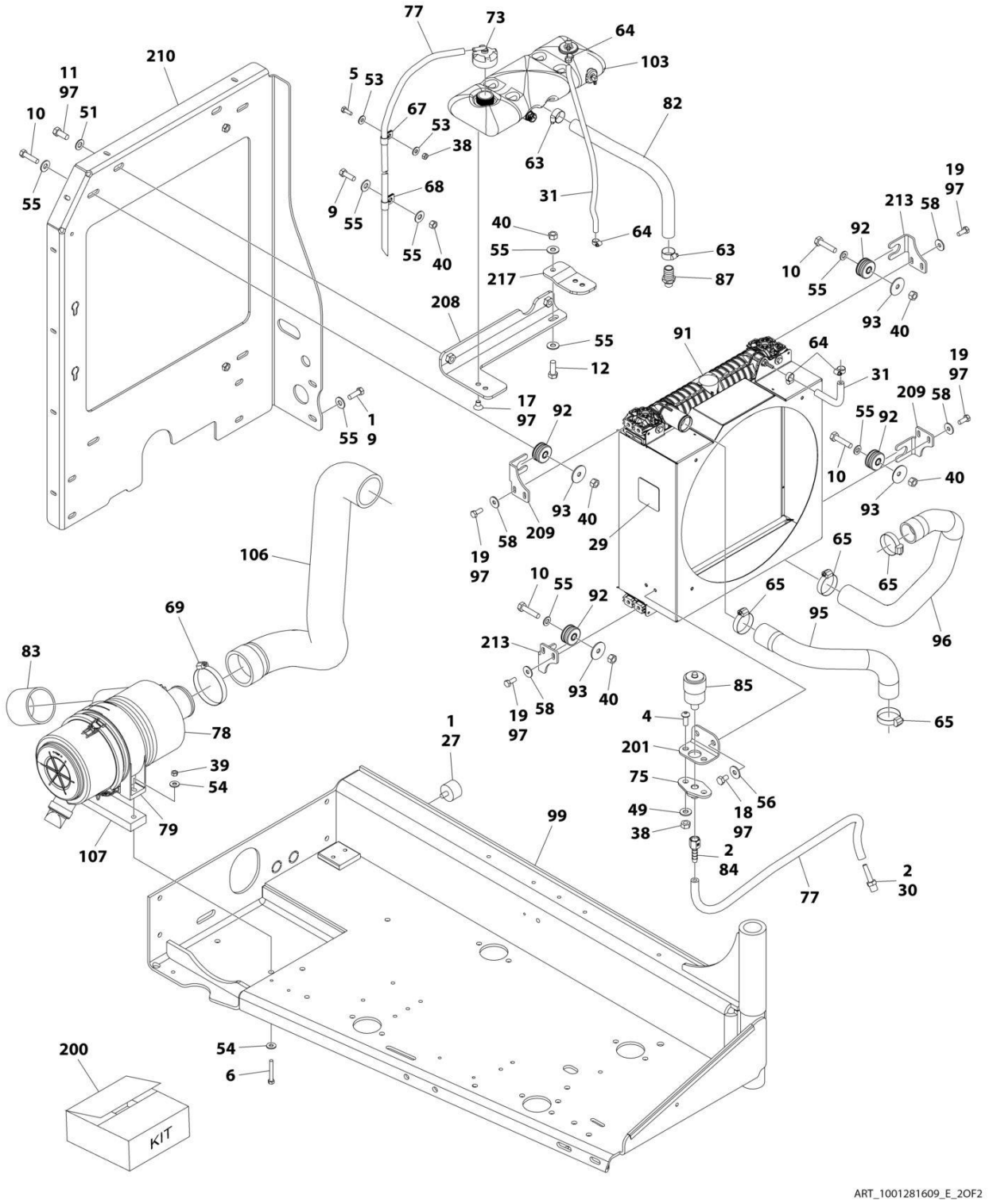


FIGURE 3-27. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV) (SN 0300296647 to Present)



ART_1001281609_E_2OF2

FIGURE 3-27. DEUTZ TD2.9L4 ENGINE ASSEMBLY (CHINA IV) (SN 0300296647 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281609	Ref	DEUTZ TD2.9L4 ENGINE ASSEMBLY	E
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100062	AR	Compound, Locking	
4	0630407	2	Screw 1/4 x 5/8	
5	0641406	5	Bolt 1/4 x 3/4	
6	0641518	2	Bolt 5/16 x 2-1/4	
7	0641605	2	Bolt 3/8 x 5/8	
8	0641608	8	Bolt 3/8 x 1	
9	0641609	6	Bolt 3/8 x 1-1/8	
10	0641612	4	Bolt 3/8 x 1-1/2	
11	0641708	2	Bolt 7/16 x 1	
12	0681608	1	Bolt 3/8 x 1 Grade 8	
13	0681820	3	Bolt 1/2 x 2-1/2 Grade 8	
14	0681822	1	Bolt 1/2 x 2-3/4 Grade 8	
15	0701022	2	Bolt M10 x 70	
16	0701025	2	Bolt M10 x 85	
17	0741605	2	Screw 3/8 x 5/8	
18	0760605	2	Bolt M6 x 10	
19	0760810	9	Bolt M8 x 20	
20	0760814	4	Bolt M8 x 30	
21	0760815	2	Bolt M8 x 35	
22	0761015	2	Bolt M10 x 35	
23	0761210	1	Bolt M12 x 20	
24	0771212	6	Bolt M12 x 25 Grade 10.9	
25	0771414	2	Bolt M14 x 30 Grade 10.9	
26	0771415	3	Bolt M14 x 35	
27	0940070	1	Bumper	
28	0961986	2	Bushing, Flanged	
29	1703162	1	Decal - Caution Fan Blade	
30	2220315	1	Fitting, Straight Barbed	
31	2720015	2.32 ft /0.71m	Hose	
32	2720340	1 ft /0.31m	Hose	
33	3200401	4	Mount, Motor	
34	3271801	4	Nut 1/2	
35	3290801	2	Nut M8	
36	3291005	2	Nut M10	
37	3310401	3	Nut #4	
38	3311405	8	Nut 1/4	
39	3311505	2	Locknut 5/16	
40	3311605	17	Nut 3/8	
41	3520054	1	Plug	
42	3910408	3	Screw #4 x 1/2	
43	3931432	1	Capscrew 1/4 x 2	
44	3931512	4	Capscrew 5/16 x 3/4	
45	4031912	4	Capscrew M8 x 50	
46	4060805	1.2 m /0.39m	Flex-Trim	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	4240099	AR	Tie-Strap (Not Shown)	
48	4640751	1	Valve, Oil Drain	
49	4711400	3	Washer 1/4	
50	4711500	5	Washer 5/16	
51	4711700	2	Washer 7/16	
52	4750400	3	Washer #4	
53	4751400	10	Washer 1/4	
54	4751500	4	Washer 5/16	
55	4751600	34	Washer 3/8	
56	4811702	2	Washer M6	
57	4811900	12	Washer M8	
58	4811902	8	Washer M8	
59	4812000	8	Washer M10	
60	4812100	7	Washer M12	
61	4812200	5	Washer M14	
62	4891800	4	Washer 1/2	
63	8405007	2	Clamp	
64	8405009	4	Clamp	
65	8405104	4	Clamp	
66	8406102	1	Clip	
67	8406109	1	Clip	
68	8406110	1	Clip	
69	8410011	2	Clamp	
70	8410013	1	Clamp	
71	1001117308	1	Relay	
72	1001289964	1	Adapter	
73	1001136834	1	Cap, Tank	
74	1001137276	1	Fan	
75	1001138173	1	Support	
76	1001138228	1	Relay, Power Module	
77	1001138248	62 in/1.6m	Tube	
78	1001138489	1	Air Cleaner Assembly	
78	91403102	1	Element, Filter	
79	1001138557	1	Clamp	
80	1001139409	4	Washer, Special	
81	1001141304	1	Harness, Glow Plug	
82	1001141370	1	Hose	
83	1001141585	1	Hose, Inlet	
84	1001141995	1	Fitting, Straight NPT/Barbed	
85	1001143390	1	Indicator, Service	
86	1001276644	1	Harness, Deutz Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
87	1001143797	1	Fitting, Straight Metric/Barbed	
88	1001143907	1	Cable, Alternator Power	
89	1001152489	1	Fitting, 90 Metric/ Barbed	
90	1001153282	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
91	1001167042	1	Radiator	
92	1001169054	4	Isolator	
93	1001169138	4	Washer	
94	1001177359	1	Hose	
95	1001177844	1	Hose, Radiator - Upper	
96	1001177845	1	Hose, Radiator - Lower	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
97	1001180620	AR	Adhesive	
98	1001181899	1	P-Clamp	
99	1001190610	1	Support, Engine Try	
100	1001221212	1	Clamp	
101	1001221219	1	Clamp	
102	1001224940	1	Pipe, Exhaust	
103	1001230635	1	Tank	
104	1001233089	2	Strap	
105	1001257278	1	Muffler	
106	1001266525	1	Hose, Inlet	
107	1001267256	1	Shim, Air Cleaner	
108	1001291681	1	Deutz Engine China IV (See Separate Breakdown in this Section)	
109	1001281985	1	Connector (Not Shown - Use With Harness 1001238878)	
110	1001281986	1	Connector (Not Shown - Use With Harness 1001238878)	
200	1001257412	1	Bracket Engine Kit (Includes Items 201-217)	D
201	1001138175	1	Bracket	
202	1001139240	1	Bracket	
203	1001140448	1	Mount, Rear Engine	
204	1001140450	1	Mount, Rear Engine	
205	1001140454	1	Mount, Front Engine	
207	1001145154	1	Plate, Relay Mounting	
208	1001260413	1	Bracket, Tank	
209	1001178223	2	Bracket, Radiator	
210	1001186985	1	Plate, Mounting	
212	1001266499	1	Mount, Generator/Engine	
213	1001204325	2	Bracket, Radiator	
214	1001221203	1	Bracket	
215	1001224936	2	Mount, Doc Weldment	
216	1001224937	1	Mount, Fuel Filter	
217	1001260412	1	Bracket	

FIGURE 3-28. DEUTZ TD2.9L4 ENGINE COMPONENTS

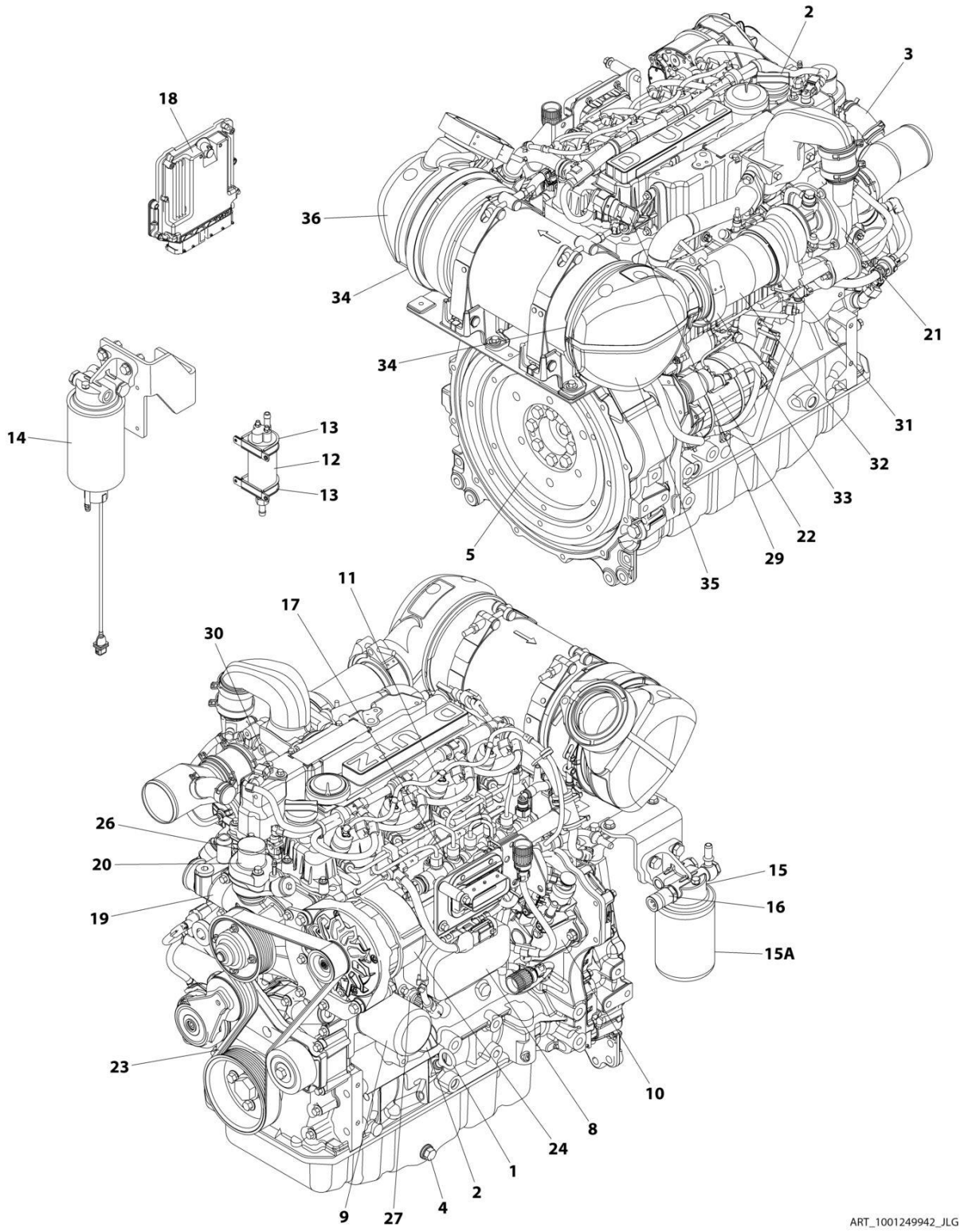


FIGURE 3-28. DEUTZ TD2.9L4 ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249942	Ref	ENGINE COMPONENTS - DEUTZ TD2.9L4	A
1	70024904	1	Dipstick	
1	70024905	1	Seal	
2	7020465	2	Cap, Oil Fill	
3	70025111	2	Clamp	
3	70005920	1	Hose, Breather	
4	70005941	2	Plug	
4	70005942	2	Seal	
5	70001870	1	Flywheel with Ring Gear	
5	7024579	1	Gear, Ring	
6		Ref	Gasket and Seal Options (Not Shown)	
6	70004279	1	Gasket Kit	
6	70024906	1	Gasket, Head	
6	70025205	1	Gasket, Small Valve Cover	
6	70005171	1	Gasket, Large Valve Cover	
6	70005176	1	O-Seal, Valve Cover to Air Charge Elbow	
6	70005177	1	Gasket, Air Charge Pipe to Head	
6	70031095	3	Gasket, Air Charge Pipe & EGR Pipe	
6	70025164	1	Gasket, Exhaust Manifold to Head	
6	70007354	1	Gasket, EGR Pipe to EGR Valve	
6	70007326	1	Gasket, EGR Valve to Housing	
7	70005172	1	Pump, Oil Lube (Not Shown - Located Front Left Side)	
7	70025135	1	O-Ring	
7	70005173	1	Gasket	
8	70024494	1	Cooler, Oil	
8	70024925	1	Gasket	
9	7016331	1	Filter, Oil	
10	70024924	1	Pump, High Pressure (Not Shown - Located Front Left Side)	
10	70025152	1	O-Ring (Between Pump and Spacer)	
10	70024517	1	O-Ring (Between Spacer and Engine Block)	
10	70004505	1	Valve, Overflow	
10	70004506	1	O-Ring	
10	70004507	1	O-Ring	
10	70004508	1	Valve, Volume Control	
10	70004509	1	O-Ring	
10	70004510	1	O-Ring	
11	70025181	4	Injector Fuel	
11	70025140	4	Washer, Sealing	
11	70025146	4	Clamp (Top of Injector)	
11	70025145	4	O-Seal	
11	70025154	4	Shoe, Clamping	
11	70000345	4	Plug, Glow	
11	70025231	1	Harness, Glow Plug (Not Shown)	
12	70006144	1	Pump, Fuel	
13	70025144	2	Clamp	
14	70024961	1	Filter, Fuel	
14	70025153	1	Element, Filter	
14	70024513	1	Cable, Sensor	
14	70025239	1	Seal	
15	70029451	1	Filter With Head	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
15A	70025161	1	Filter, Fuel	
16	70028538	1	Sensor, Pressure	
16	70024920	1	Seal	
17	70025151	1	Rail, Fuel	
17	70025235	1	Repair Kit	
17	70025182	1	Line, Fuel (Cylinders 1 & 2)	
17	70025183	1	Line, Fuel (Cylinders 3 & 4)	
17	70025184	1	Line, Fuel (To Rail)	
18	70025210	1	ECU (Engine Control Unit)	
19	70029797	1	Pump, Water	
19	70025200	1	Seal	
19	70007325	1	Gasket	
20	70005929	1	Thermostat	
20	70005184	1	O-Seal	
20	70025142	1	Cover, Thermostat	
20	70005931	1	Gasket	
21	70004276	1	Turbocharger	
21	70024912	1	Gasket, Square	
21	70024509	1	Gasket, Return Line	
21	70006294	1	O-Seal	
22	70024915	1	Starter	
22	70005648	1	Relay	
22	70005647	1	Solenoid	
23	70004277	1	Belt Drive	
24	70006652	1	Alternator	
24	70006653	1	Regulator, Voltage	
25	70007489	1	Harness, Engine (Not Shown)	
26	70028540	1	Sender, Temperature	
27	70028538	1	Sensor, Pressure	
27	70024920	1	Seal	
28	70026210	2	Sensor, Speed (Not Shown - Located Left Side Front and Flywheel Housing)	
28	70024917	1	Seal (Cam Shaft Speed Sensor)	
28	70005191	1	Seal (Flywheel Shaft Speed Sensor)	
29	70024507	1	Sensor, Pressure	
29	70025120	1	Seal	
30	70024922	1	Sender, Temperature	
30	70025212	1	O-Seal	
31	70005527	1	Clamp	
31	70025788	1	Nut	
32	70004504	1	Compensator	
33	70025242	1	Gasket	
33	70029433	1	Clamp	
34	70029517	2	Clamp	
34	70029520	2	Gasket	
35	70007355	1	Inlet	
36	70007331	1	Outlet	

FIGURE 3-29. DEUTZ TD2.9L4 ENGINE COMPONENTS (STAGE V)

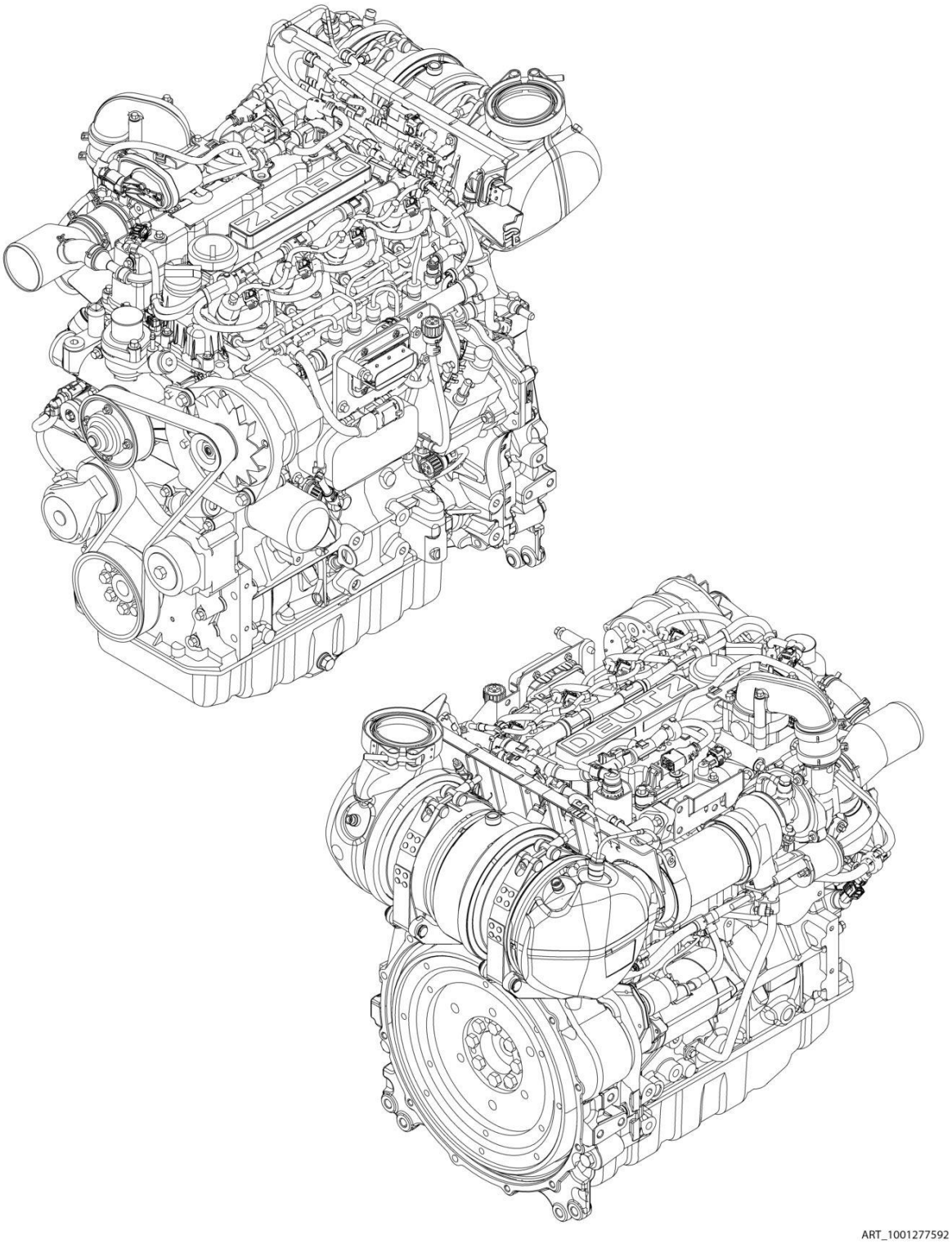


FIGURE 3-29. DEUTZ TD2.9L4 ENGINE COMPONENTS (STAGE V)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277592	Ref	DEUTZ ENGINE COMPONENTS	A
	See Note	Ref	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 Gasket & Sealing Rings)	
	70031055	1	O-Ring, Coolant Pump	
	7020492	1	Seal	
	70007325	1	Gasket	
	70007603	1	Thermostat	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Gasket, Thermostat	
	70025142	1	Cover, Thermostat	
		Ref	**ELECTRICAL SYSTEM COMPONENTS**	
	70024513	1	Sensor, Fuel Filter	
	70024504	1	Sensor, Fuel Pressure (at Fuel Filter) (Includes Seal)	
	70024920	1	Seal	
	70027405	1	Sensor, Temperature	
	70007803	1	Generator (Includes Regulator)	
	70031143	1	Regulator, Voltage	
	70031144	1	Starter	
	70025231	1	Harness, Glow Plug (Not Shown)	
	1001211556	1	Sensor, Temperature 90 (Includes O-Ring)	
	70028540	1	Sensor, Temperature (Includes O-Ring) (in Cylinder Head)	
	70029407	1	Sensor, Pressure (Includes Seal) (On Exhaust Manifold)	
	70024507	1	Sensor, Pressure (Includes O-Ring) (Charge Manifold)	
	70031475	1	Sensor, Temperature (Includes O-Ring) (Charge Manifold)	
	70026210	2	Sensor, Speed (Includes Seal) (Rear of Block & Front Cover)	
		Ref	**Module, Engine Control**	
		Ref	**Harness, Engine**	
	70000345	4	Plug, Glow (Not Shown)	
	70024505	1	Sender, Temperature (Inlet End of Calalyst)	
	70029409	1	Sender, Temperature (Outlet End of Calalyst)	
		Ref	**EXHAUST SYSTEM COMPONENTS**	
	70031136	1	Pipe, Exhaust Recirculation	
	70029557	1	Gasket, Exhaust Recirculation Pipe to Exhaust Manifold (Upper)	
	70007354	1	Gasket, Exhaust Recirculation Pipe (Lower)	
	70025164	1	Gasket, Exhaust Manifold to Head	
	70025130	8	Bolt, Exhaust Manifold	
	70031138	1	Valve, EGR	
	70007326	1	Gasket, EGR Vlave	
	70005504	1	Sensor, Pressure (Exhaust) (includes Seals)	
	70004276	1	Turbocharger	
	70024912	1	Gasket, Turbocharger	
	70008564	1	Catalyst	
	70029520	2	Gasket (on both ends of Catalyst)	
	70029517	2	Clamp (on both ends of Catalyst)	
	70004504	1	Compensator	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70025242	2	Gasket (at Compensator)	
	70030097	1	Clamp (Compensator Engine Side)	
	70030099	1	Clamp (Compensator Catalyst Side)	
		Ref	**FUEL SYSTEM COMPONENTS**	
	1001225430	1	Filter, Fuel (Primary)	
	1001225431	1	Filter, Fuel (Secondary)	
	70030381	1	Pump, Injection/High Pressure (Includes Control Valves, Gasket & O-Rings)	
	70025152	1	O-Ring (Between Pump AND Spacer)	
	70004505	1	Valve, Overflow	
	70004506	1	O-Ring	
	70004507	1	O-Ring	
	70004508	1	Valve, Volume Control	
	70004509	1	O-Ring	
	70004510	1	Gasket	
	70025181	4	Injector, Fuel (Includes O-Ring)	
	70025145	4	O-Ring	
	70008422	1	Pump, Fuel Supply	
	70025144	2	Clamp	
		Ref	**GASKETS & SEAL & KITS (Note: Some components listed with main component)**	
	70005938	1	Gasket Kit	
	70024906	1	Gasket, Head	
	70005171	1	Gasket, Valve Cover	
	70004280	1	Seal, Main (Front)	
	70002718	1	Seal, Main (Rear)	
	70005177	1	Gasket, Air Charge Pipe	
	70005176	1	O-Ring, Air Charge Pipe	
	70008538	2	Gasket, Throttle Valve	
		Ref	**LUBRICATION SYSTEM COMPONENTS**	
	7016331	1	Filter, Oil	
	70024904	1	Dipstick	
	70024905	1	Seal, Dipstick	
	7020465	2	Cap, Filler	
	70005941	2	Plug, Oil Drain	
	70005942	2	Ring, Oil Drain Plug Sealing	
	70005172	1	Pump, Oil Lube (Includes Gasket & O-Ring	
	70005173	1	Gasket	
	70025135	1	O-Ring	
		Ref	**MECHANICAL COMPONENTS**	
	70001870	1	Flywheel (Includes Ring Gear)	
	7024579	1	Gear, Ring	
	70030359	1	Tensioner, Belt (Generator)	
	70027432	1	Idler (Generator Belt)	
	70004277	1	Belt, Generator Drive	

FIGURE 3-30. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA III SPECS)

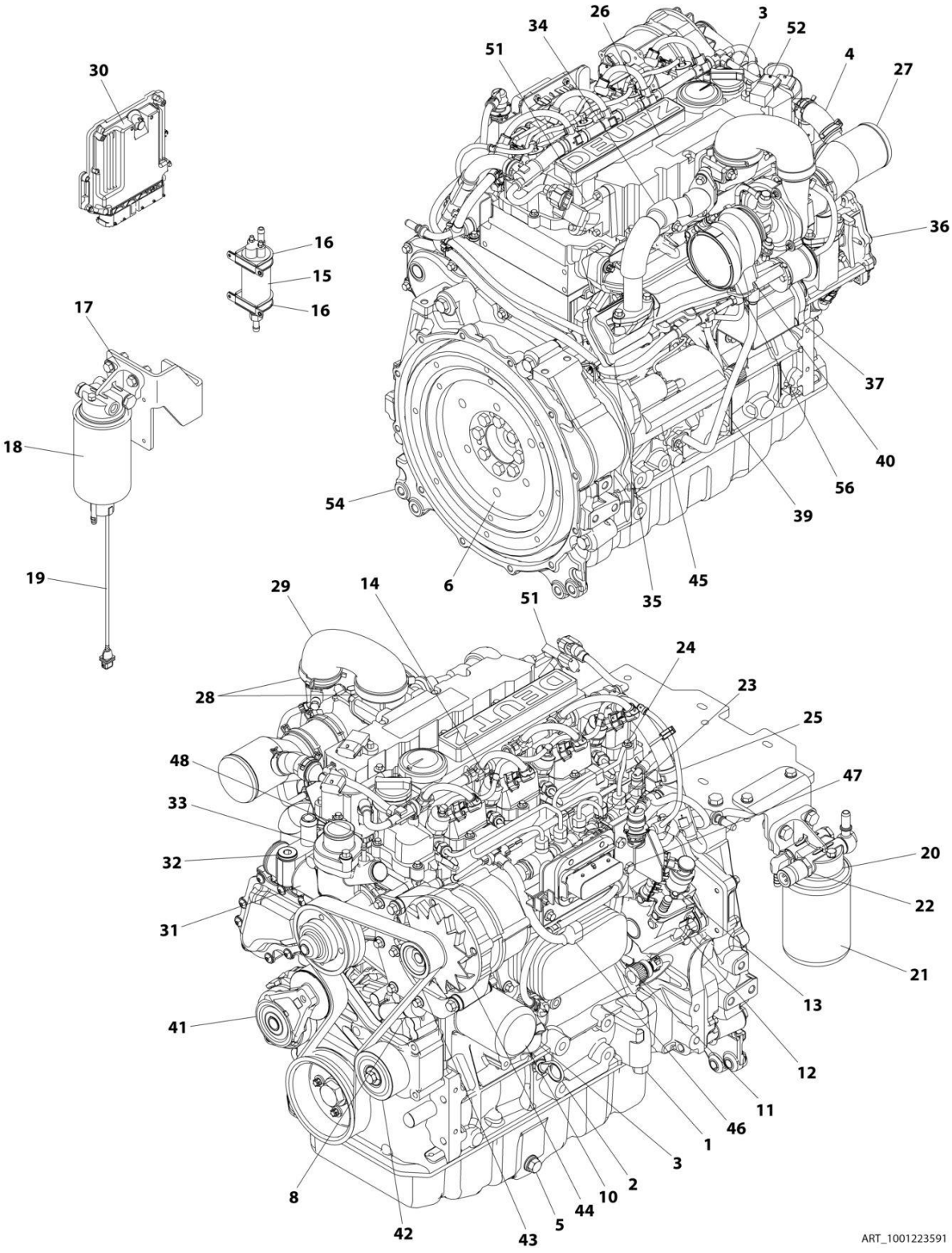


FIGURE 3-30. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA III SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223591	Ref	DEUTZ TD2.9L4 ENGINE COMPONENTS	C
1	70025660	1	Plug	
1	70006264	1	Valve, Plunger	
1	70006265	1	Spring	
1	70006266	1	Seal	
2	70024904	1	Dipstick	
2	70024905	2	Seal	
3	7020465	2	Cap, Fill	
4	70005920	1	Line, Breather	
4	70025111	2	Clamp	
5	70006941	2	Plug	
5	70005942	2	Seal	
6	70001870	1	Flywheel	
6	7024579	1	Ring Gear	
6	70025139	8	Bolt	
7		Ref	Gasket & Seal Options (Not Shown):	
7	70005938	1	Gasket Kit	
7	70024906	1	Gasket, Head	
7	70005922	1	Gasket, Valve Cover	
7	70028185	1	Gasket, Front Cover	
7	70004280	1	Seal, Front Main	
7	70002718	1	Seal, Rear Main	
8	See Note	NSS	Valve, Slide (Note: Not Available for Purchase)	
8	70025082	1	Seal	
9	70005172	1	Pump, Lube (Not Shown - Located RH Rear)	
9	70025135	1	O-Seal	
9	70005173	1	Gasket	
10	7016331	1	Filter, Oil	
11	70024494	1	Cooler, Oil	
11	70024925	1	Gasket, Oil Filter	
12	70024924	1	Pump, High Pressure	
12	70025152	1	Gasket (Spacer to Pump)	
12	70024488	1	Spacer	
12	70024517	1	Gasket (Spacer to Block)	
12	70004505	1	Valve, Overflow	
12	70004506	1	Gasket, Overflow	
12	70004507	1	Gasket, Overflow	
13	70004508	1	Valve, Volume Control	
13	70004509	1	O-Ring	
13	70004510	1	Gasket	
14	70025181	4	Injector	
14	70025140	4	Washer, Sealing	
14	70025146	4	Clamp	
14	70025145	4	O-Seal	
14	70025154	4	Shoe/Pad, Clamping	
15	70006144	NLA	Pump, Fuel Supply (Use p/n 1001226098)	
16	70025144	2	Clip, Clamp	
17	70024961	1	Fuel Filter Assembly	
18	1001225430	1	Element, Filter	
19	70024513	1	Cable, Sensor	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	70025239	1	Seal, Ring	
20	70004511	1	Fuel Filter Assembly	
20	70004513	2	Seal (at Hollow Bolt)	
21	1001225432	1	Element, Filter	
22	70028538	1	Sensor, Pressure	
22	70024920	1	O-Seal	
23	70025151	1	Rail, Fuel	
23	70025235	1	Repair Kit - Fuel Rail	
23	70025240	1	O-Ring	
24	70025182	1	Tube, Fuel - Cylinders 1 & 2	
24	70025183	1	Tube, Fuel - Cylinders 3 & 4	
24	70025184	1	Tube, Fuel	
25	70024502	1	Pipe, Fuel Leakage	
25	70025185	1	Hose, Fuel	
25	70025158	1	Manifold	
25	70025109	2	Clamp, Spring	
25	70025115	1	Clamp	
25	70025133	1	Hose	
25	70025101	2	Clamp	
25	70025148	1	Connector, Plug-in	
26	70005923	1	Manifold, Charger Air	
26	70005177	1	Gasket, Charger Air Manifold	
26	70005924	1	Seal (Manifold to Elbow)	
26	7000180	1	Line, Breather (Not Shown)	
26	70005181	1	O-Seal (Breather to Manifold)	
27	70005926	1	Elbow	
27	70025112	2	Clamp	
27	70004501	1	Sleeve, Rubber	
28	See Note	NSS	Sleeve (Note: Not Available for Purchase)	
28	70025107	2	Clamp	
29	70005928	1	Elbow, Air Charge	
30	70025210	1	Module, ECU	
31	70028802	1	Pump, Coolant	
31	70025200	1	Ring, Sealing (Pump to Block)	
32	70025084	2	Plug	
32	7020492	2	Ring, Sealing	
33	70005929	1	Thermostat	
33	70005184	1	O-Seal (Thermostat to Housing)	
33	70025142	1	Housing, Thermostat	
33	70005931	1	O-Seal (Thermostat to Pump)	
33	70025124	2	Bolt	
34	See Note	NSS	Tube (Note: Not Available for Purchase)	
34	70025179	2	Gasket (at Either End of Tube)	
35	See Note	NSS	Valve, Shuttle (Note: Not Available for Purchase)	
35	70025180	1	Gasket	
35	See Note	NSS	Housing, Shuttle Valve (Note: Not Available for Purchase)	
35	70025175	1	Cap, Shuttle Valve	
36	70025203	1	Module, EGR	
36	70025155	1	Plug (Not Shown)	
37	70005188	1	Valve, EGR Control	
37	70005189	1	Seal (Valve to Module)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
38	70004282	1	Manifold, Exhaust (Not Shown)	
38	70025164	1	Gasket, Manifold to Head (Not Shown)	
38	70025130	8	Bolt, Manifold (Not Shown)	
38	70026995	1	Elbow, Exhaust (Not Shown)	
38	70025179	2	Gasket, Manifold to Elbow (Not Shown)	
39	70005932	1	Tube, Oil Return	
39	70025132	1	O-Seal	
40	70004276	1	Turbocharger	
40	70024509	1	Gasket (Turbocharger to Oil Return Tube Housing)	
40	1001191599	1	Gasket (Turbocharger to Exhaust)	
41	70025477	1	Tensioner, Belt	
42	70024484	1	Roller, Idler	
43	70004277	1	Belt	
44	70025733	1	Pulley, Alternator	
44	70006652	1	Alternator	
44	70006653	1	Controller	
44	See Note	NSS	Fan (Note: Not Available for Purchase)	
45	70024915	1	Starter	
45	70005647	1	Switch, Solenoid	
45	70005648	1	Relay	
46	70000345	4	Glow Plug	
46	70025231	1	Harness, Glow Plug	
46	70025233	1	Connector, Plug-in	
47	70025077	1	Harness, Engine	
48	70024918	1	Sender, Temperature	
49	70028538	1	Sensor, Pressure (Not Shown - RH Front)	
49	70024920	1	O-Seal	
50	70026210	1	Sensor, Speed (Not Shown - Front)	
50	70005191	1	Ring, Seal	
51	70024507	1	Sensor, Pressure	
51	70025120	1	O-Seal	
51	70005933	1	Adapter	
51	70005934	1	O-Seal	
52	70024922	1	Sender, Temperature	
52	70025212	1	O-Seal	
53	70026210	1	Sensor, Speed (Not Shown - Front)	
53	70024917	1	O-Seal	
54	70025192	1	Housing	
56	70005527	1	Clip	

FIGURE 3-31. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA IV SPECS) (Prior to SN 0300296647)

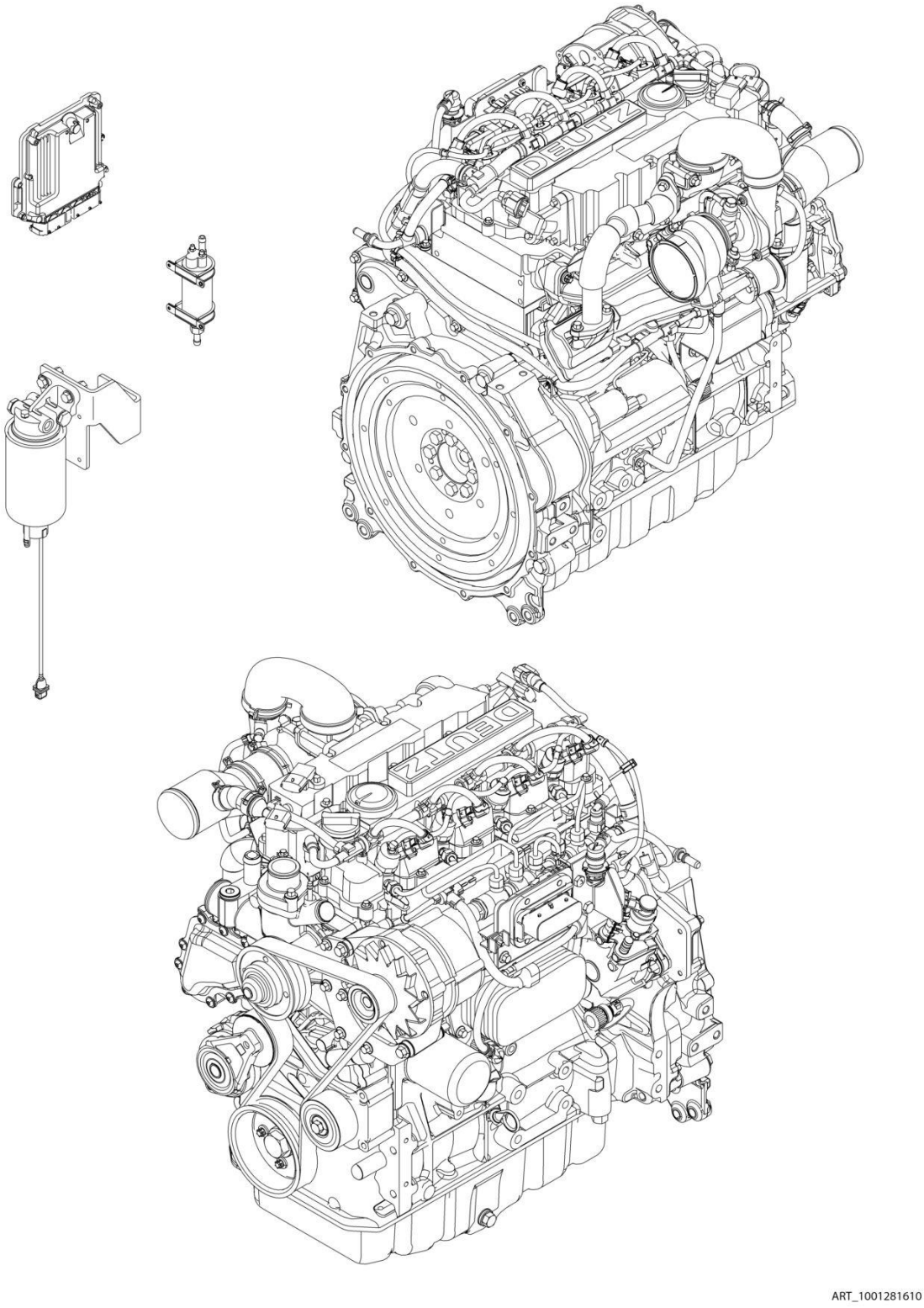


FIGURE 3-31. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA IV SPECS) (Prior to SN 0300296647)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281610	Ref	DEUTZ TD2.9L4 ENGINE COMPONENTS	A
	See Note	Ref	Note: No Service Parts Available at Time of Printing	

FIGURE 3-32. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA IV SPECS) (SN 0300296647 to Present)

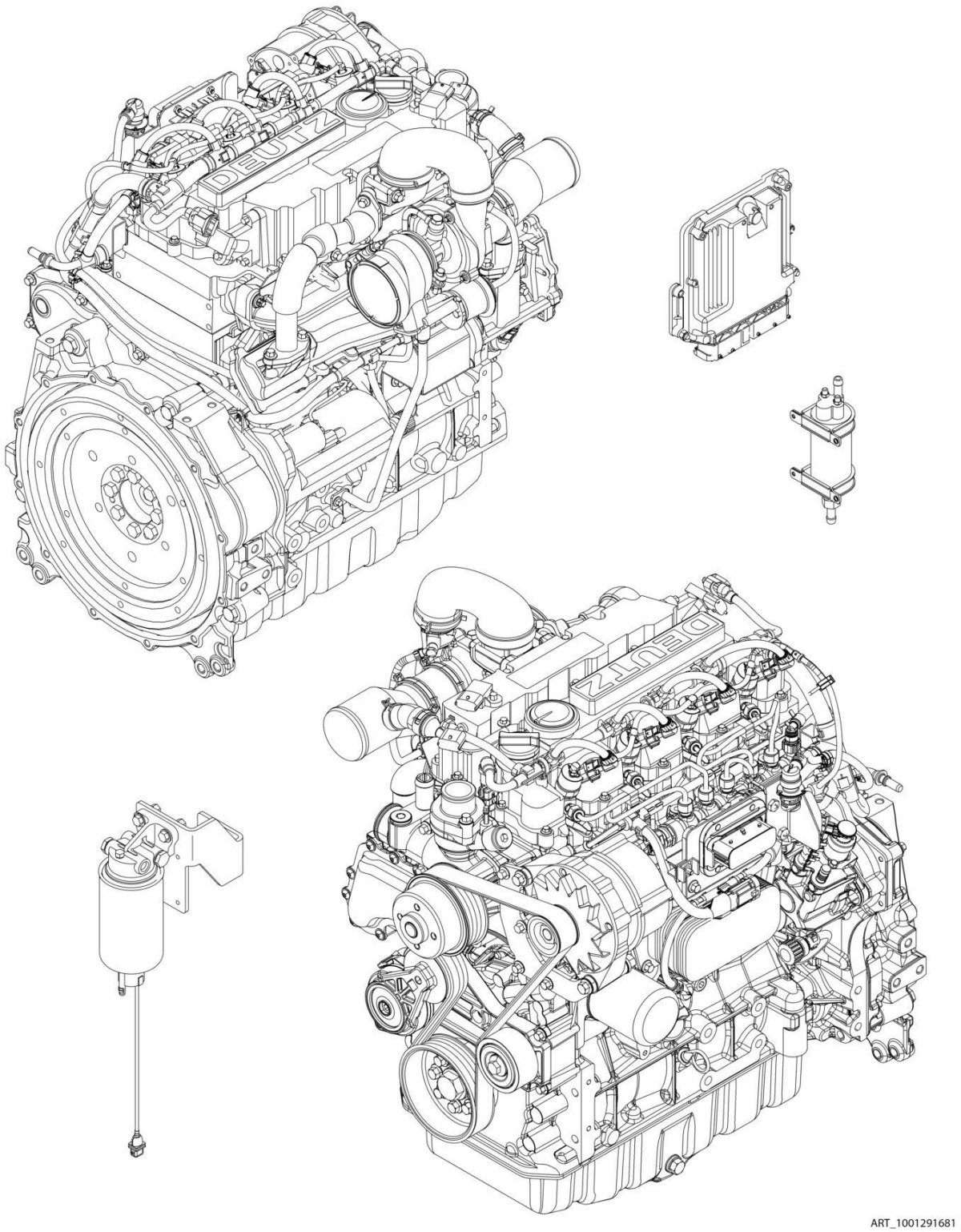


FIGURE 3-32. DEUTZ TD2.9L4 ENGINE COMPONENTS (CHINA IV SPECS) (SN 0300296647 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001291681	Ref	DEUTZ ENGINE CHINA IV	A
	See Note	Ref	Note: No Service Parts Available at Time of Printing	

FIGURE 3-33. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES)

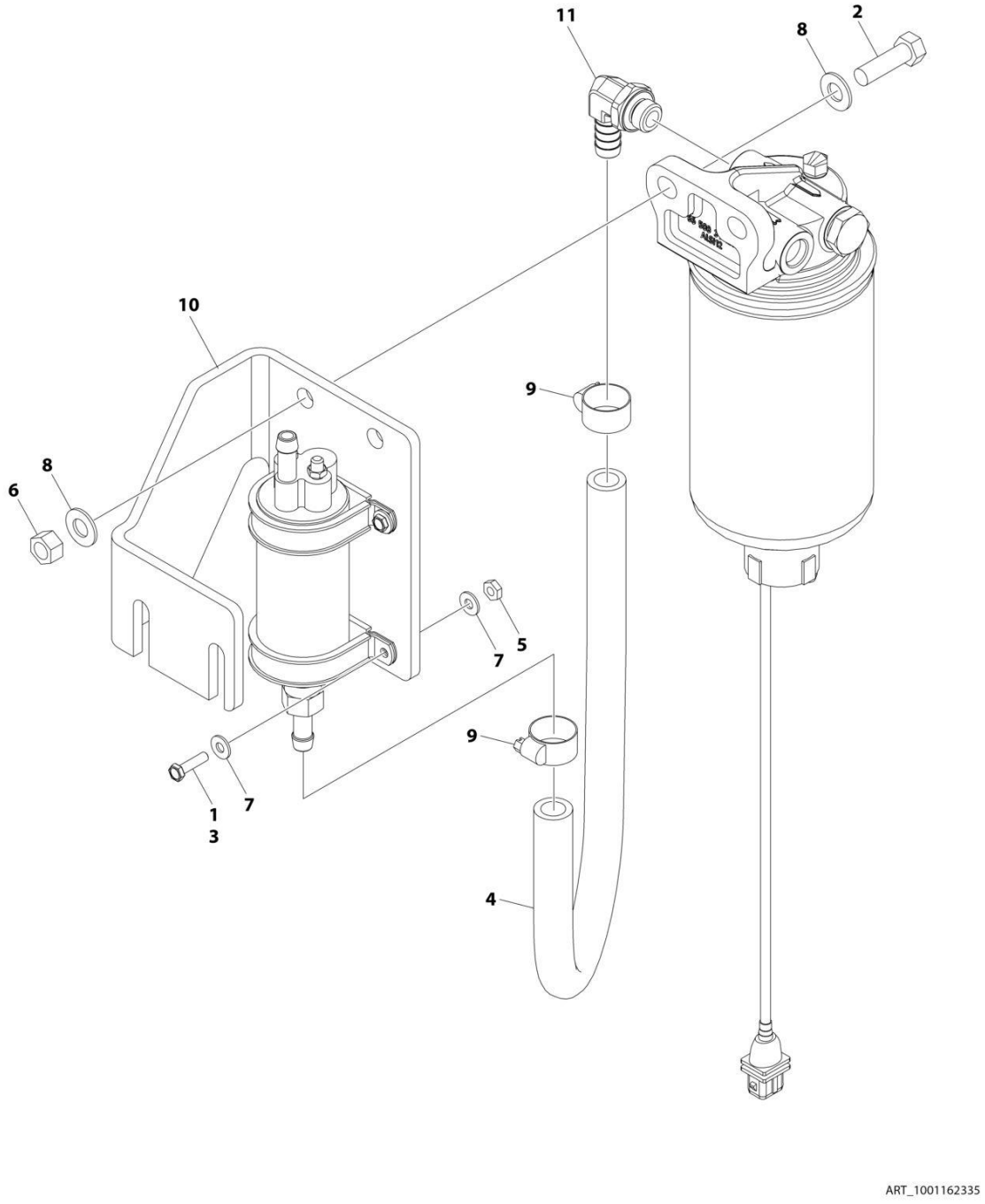


FIGURE 3-33. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES)

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	

FIGURE 3-34. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 (STAGE V) ENGINES)

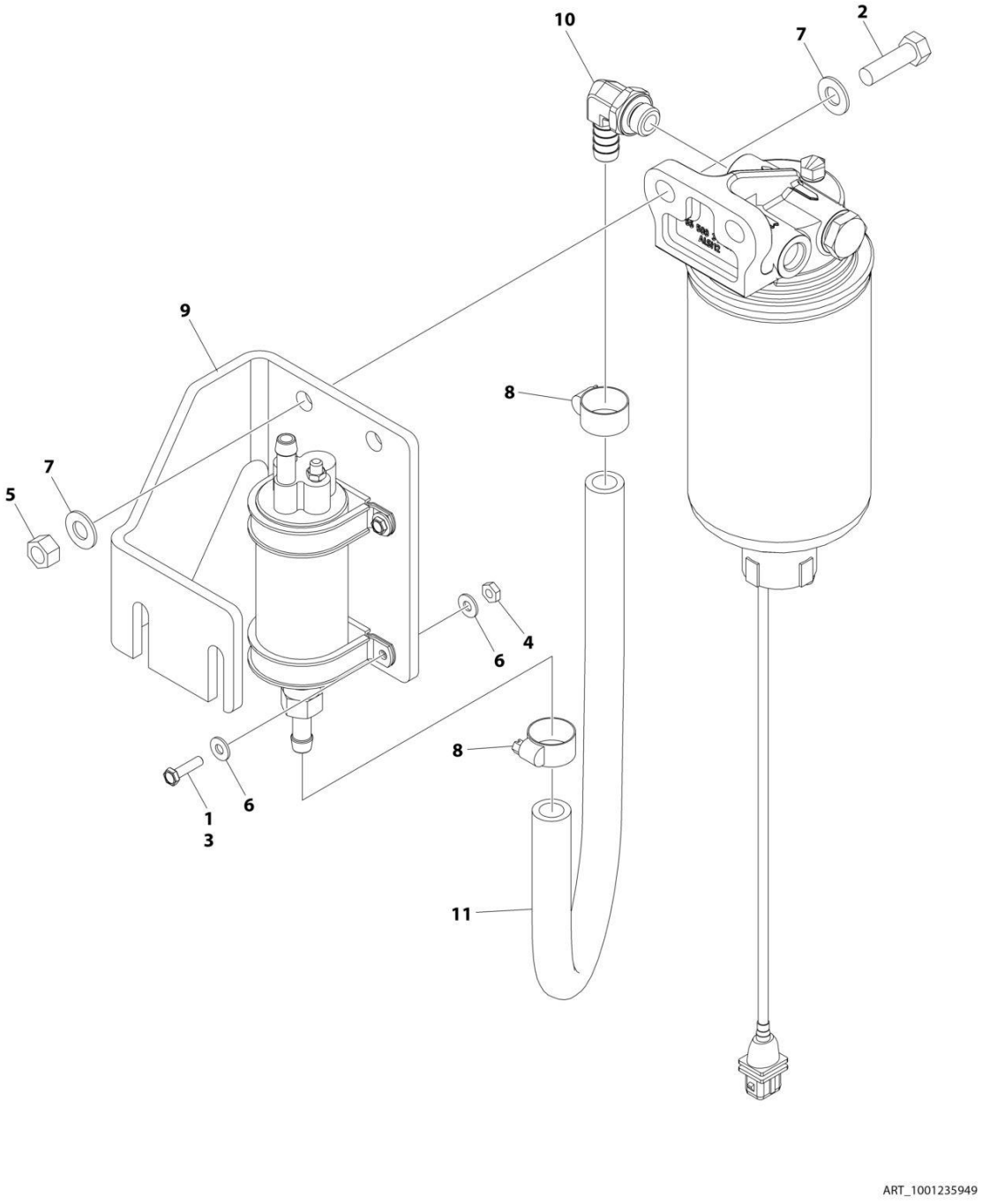


FIGURE 3-34. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 (STAGE V) ENGINES)

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	

FIGURE 3-35. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) (CHINA III SPECS) (Prior to SN 0300287739, SN 0300297744 through 0300297748, Including 0300297741, 0300297755, 0300297757 and 0300297759)

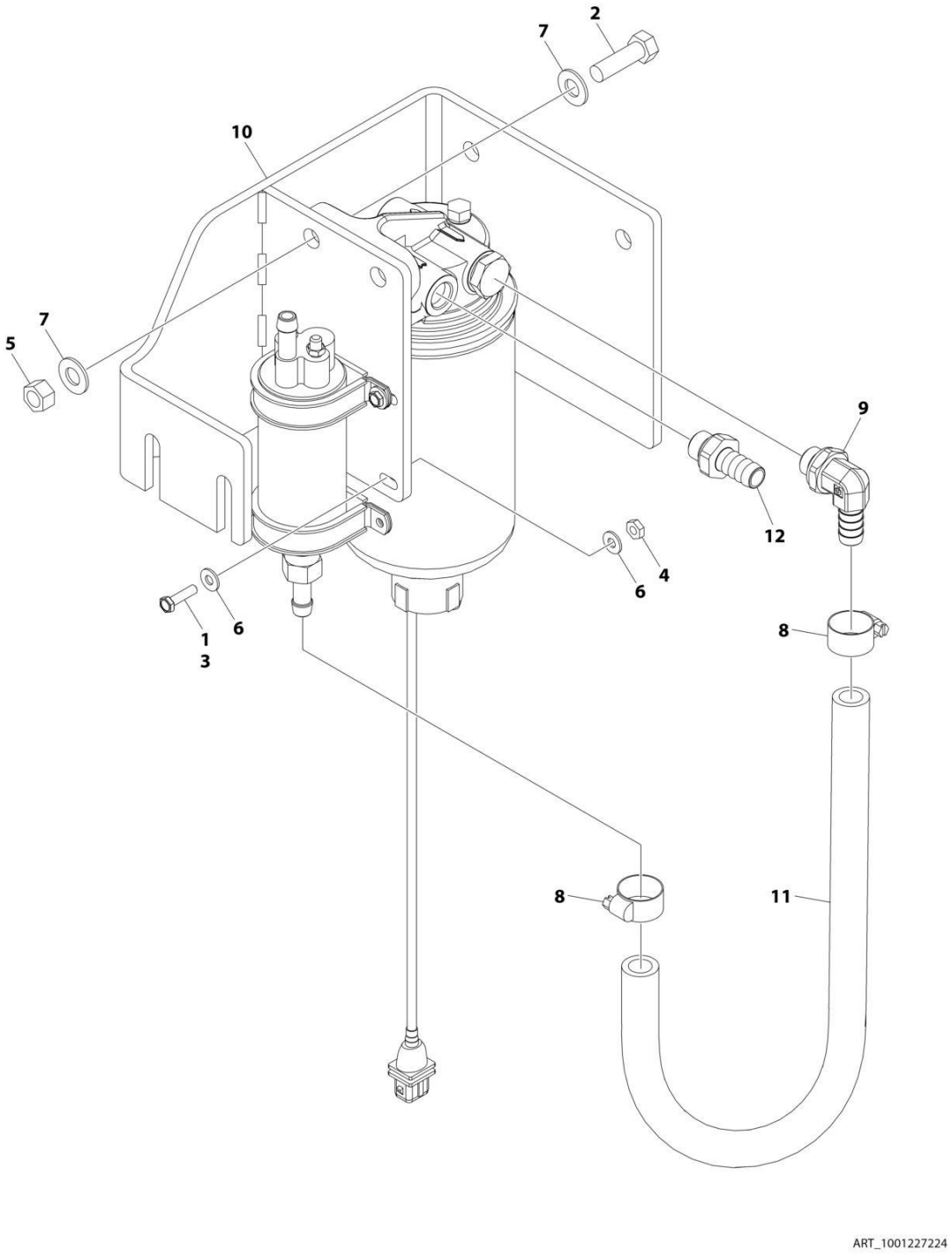


FIGURE 3-35. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) (CHINA III SPECS) (Prior to SN 0300287739, SN 0300297744 through 0300297748, Including 0300297741, 0300297755, 0300297757 and 0300297759)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227224	Ref	BRACKET ASSEMBLY (LESS FUEL PUMP AND FILTER)	D
1	0100011	AR	Locking, Compound	
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	1001142501	1	Fitting, 90 Metric/Barbed	
10	1001226285	1	Plate, Fuel Pump Mount	
11	1001154405	AR	Hose	
12	1001141718	1	Fitting, Straight (Not Shown)	

FIGURE 3-36. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) (CHINA III SPECS) (SN 0300297739 to Present, Except SN 0300297744 through 0300297748, Excluding 0300297741, 0300297755, 0300297757 and 0300297759)

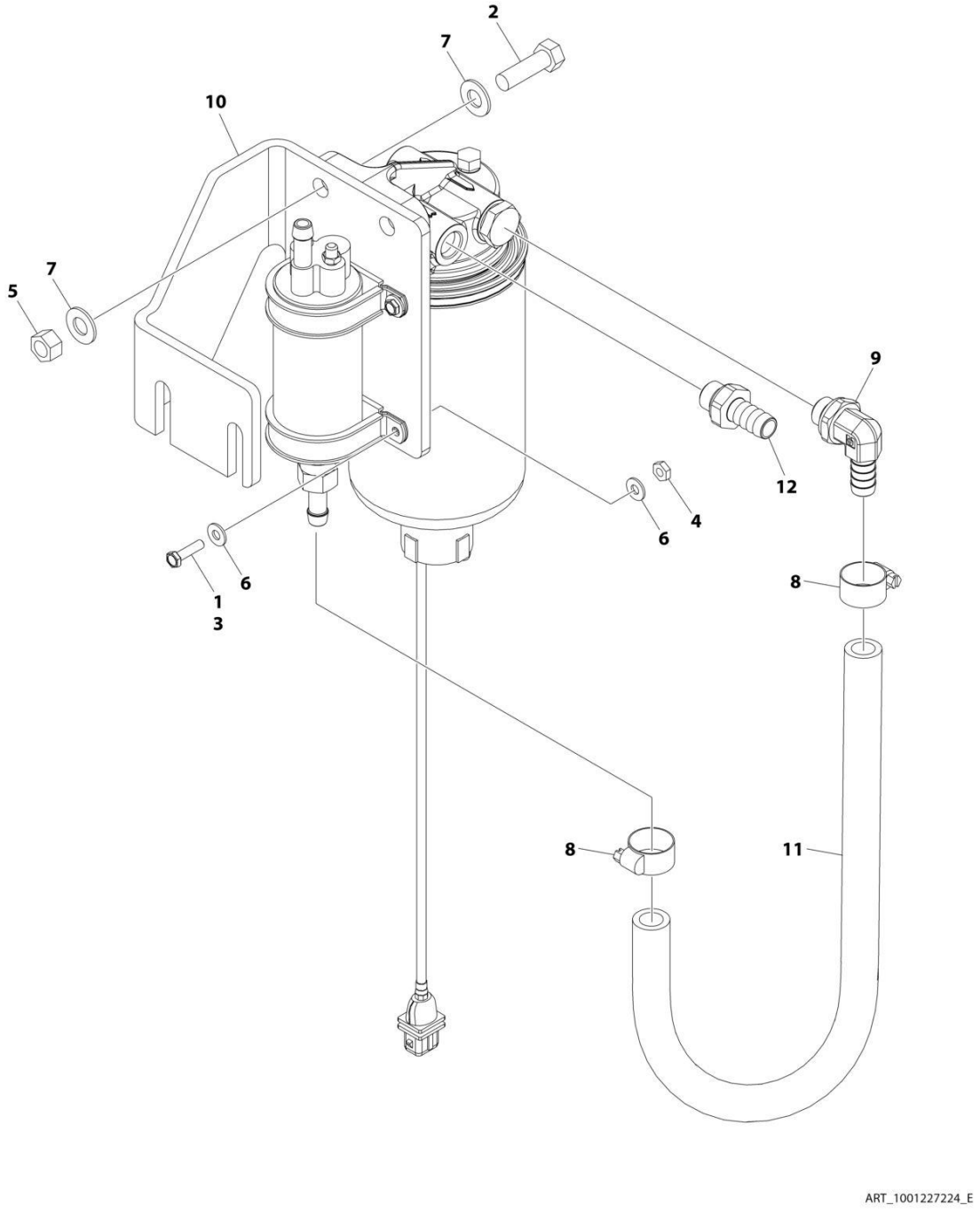


FIGURE 3-36. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) (CHINA III SPECS) (SN 0300297739 to Present, Except SN 0300297744 through 0300297748, Excluding 0300297741, 0300297755, 0300297757 and 0300297759)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227224	Ref	BRACKET ASSEMBLY (LESS FUEL PUMP AND FILTER)	E
1	0100011	AR	Locking, Compound	
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	1001142501	1	Fitting, 90 Metric/Barbed	
10	1001141870	1	Plate, Fuel Pump Mount	
11	1001154405	AR	Hose	
12	1001141718	1	Fitting, Straight (Not Shown)	

FIGURE 3-37. BREATHER HEATER INST (DEUTZ TD2.9L4 ENGINES)

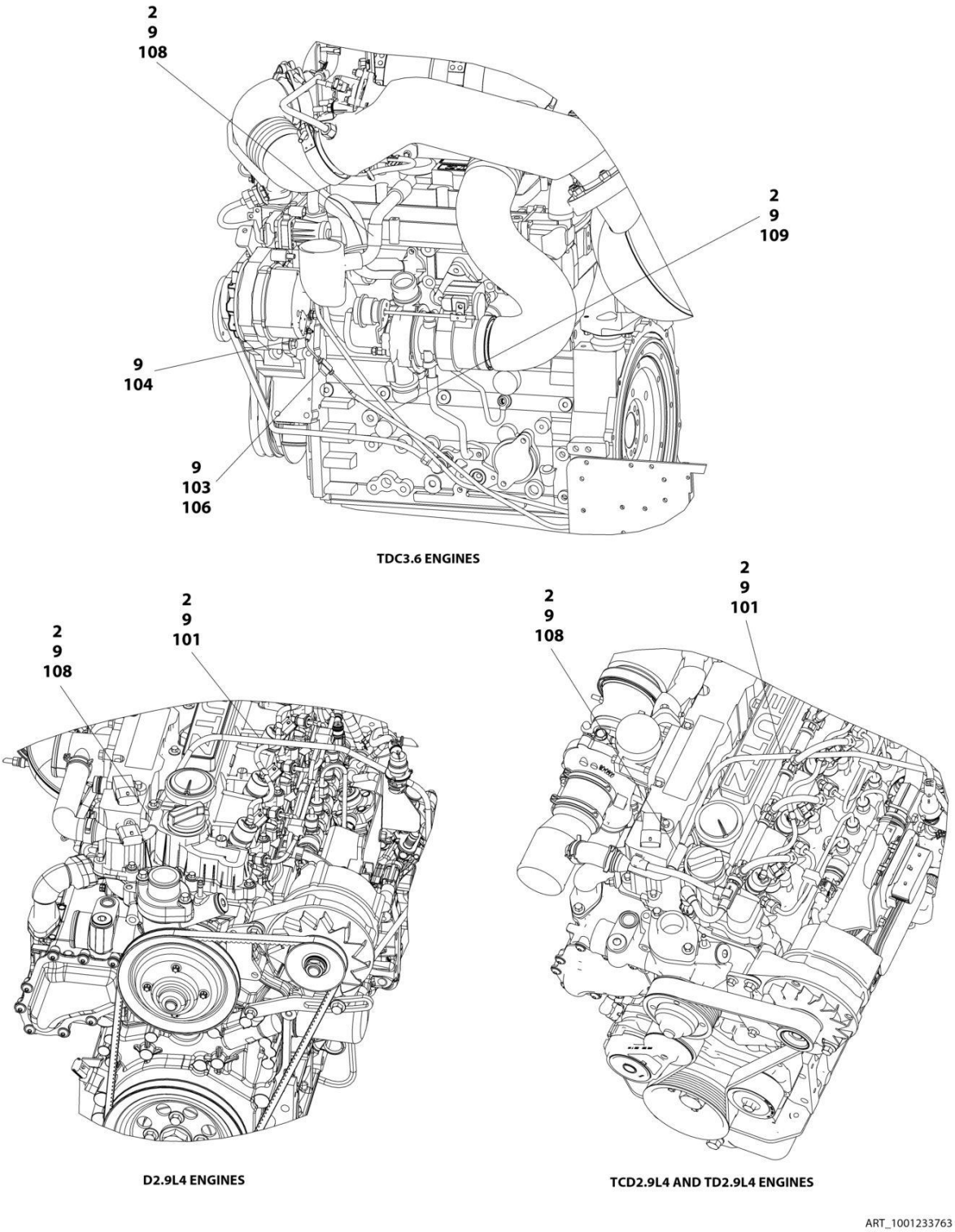
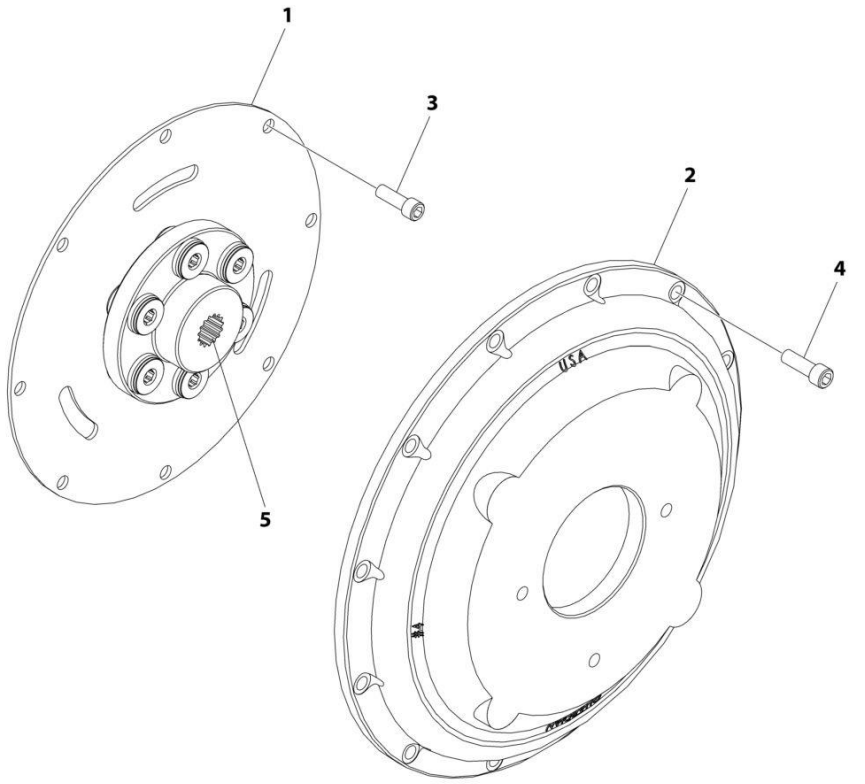


FIGURE 3-37. BREATHER HEATER INST (DEUTZ TD2.9L4 ENGINES)

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	

FIGURE 3-38. PUMP COUPLING KIT (DEUTZ ENGINES)

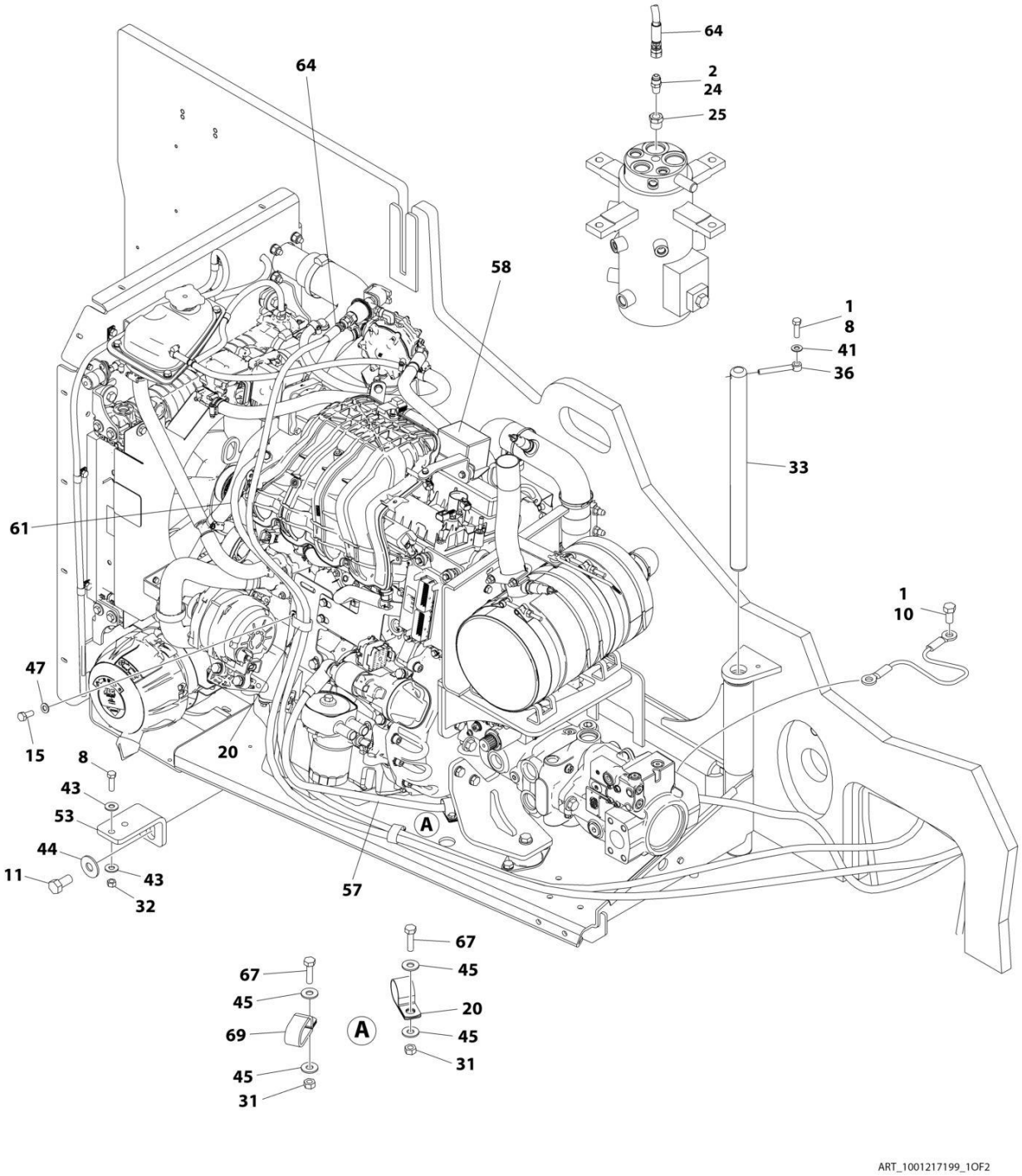


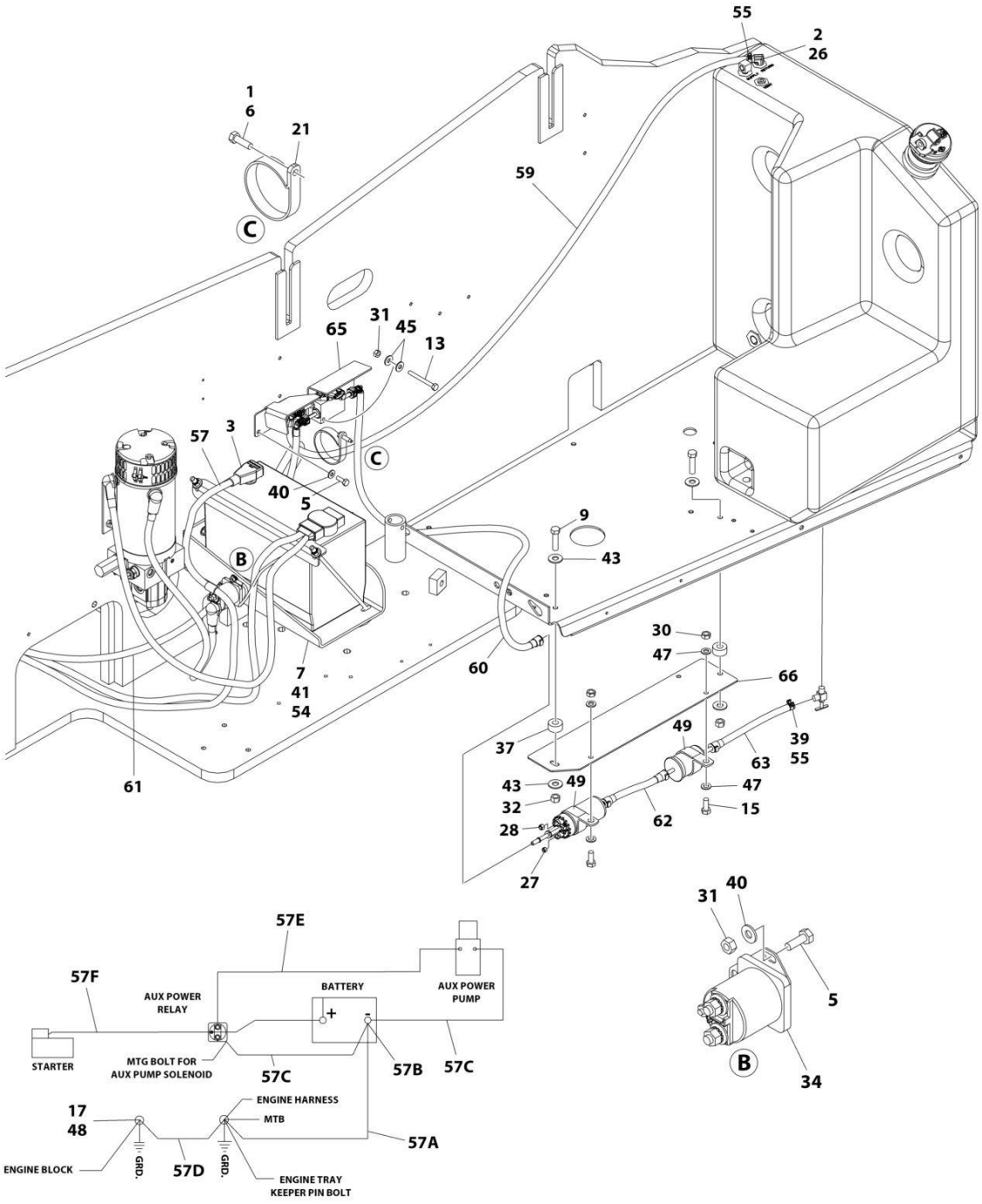
ART_1001153282

FIGURE 3-38. PUMP COUPLING KIT (DEUTZ ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153282	Ref	PUMP COUPLING KIT	E
1	70004183	1	Coupling Guardian	
2	See Note	NSS	Plate, Pump Adapter (Note: Use p/n 1001153282)	
3	See Note	8	Capscrew M10 x 20 Grade 10.9 (Note: Not Available - Purchase Locally or Purchase Kit)	
4	See Note	12	Capscrew M10 x 25 Grade 10.9 (Note: Not Available - Purchase Locally or Purchase Kit)	
5	3020021	AR	Grease, Coupling	

FIGURE 3-39. FORD ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)





BATTERY CABLE KIT - ITEM 57

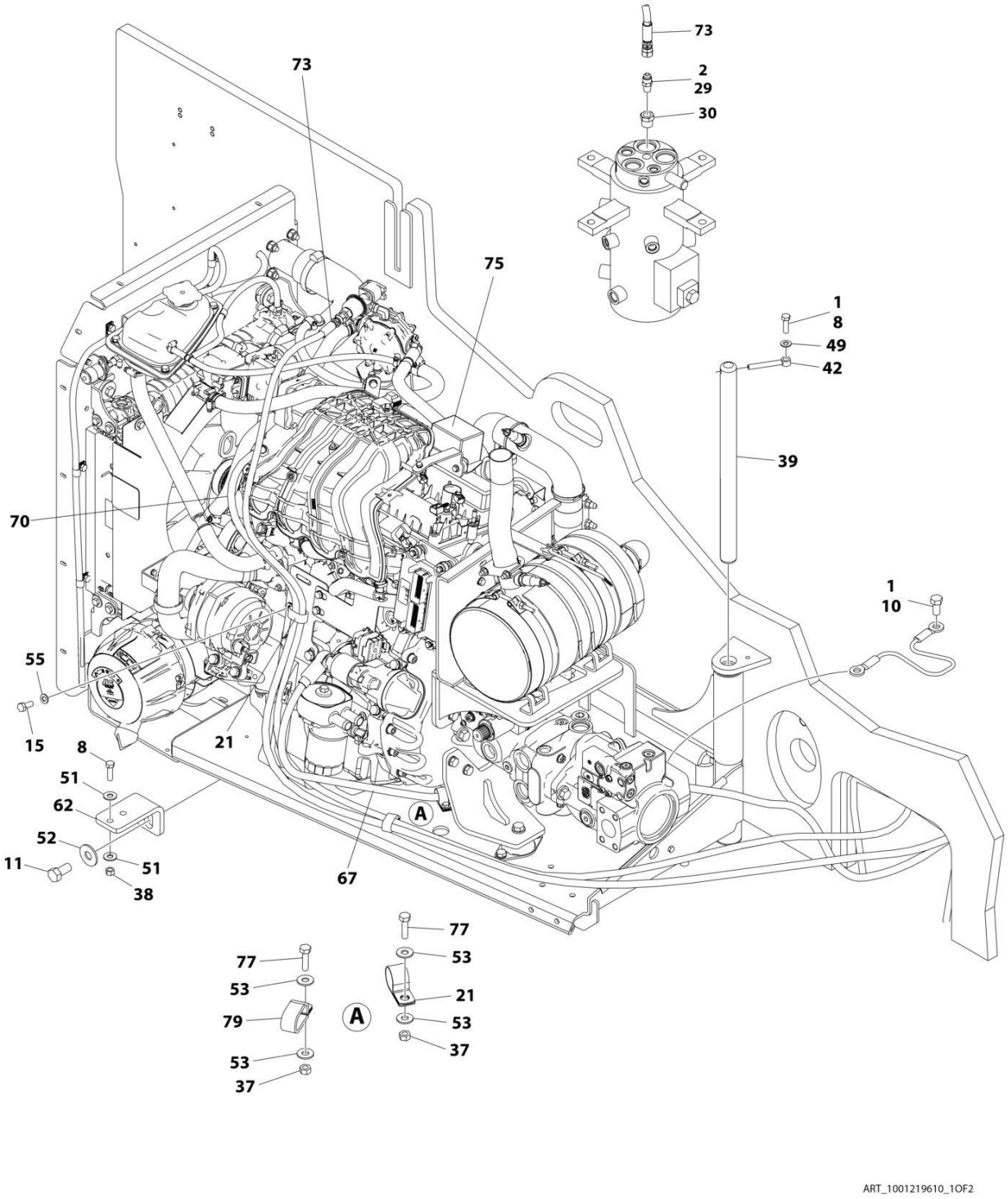
ART_1001217199_2OF2

FIGURE 3-39. FORD ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217199	Ref	Ford Engine Installation without Arctic Package	H
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100048	AR	Grease, Terminal	
5	0641406	4	Bolt 1/4 x 3/4	
6	0641508	1	Bolt 5/16 x 1	
7	0641607	3	Bolt 3/8 x 7/8	
8	0641610	3	Bolt 3/8 x 1-1/4	
9	0641612	2	Bolt 3/8 x 1-1/2	
10	0641808	1	Bolt 1/2 x 1	
11	0642010	1	Bolt 5/8 x 1-1/4	
13	0641420	2	Bolt 1/4 x 2-1/2	
15	0760810	3	Bolt M8 x 20	
17	0761008	1	Bolt M10 x 16	
20	1321283	2	Clamp	
21	1321339	1	Clamp	
22	1701542	1	Decal - Gas (Not Shown)	
23	1701543	2	Decal - LPG (Not Shown)	
24	2180418	1	Fitting, Straight	
25	2221197	1	Fitting, Reducer NPT/NPT	
26	2221176	1	Fitting, 90	
27	3290405	1	Nut M4	
28	3290505	1	Nut M5	
30	3290801	2	Nut M8	
31	3311405	6	Nut 1/4	
32	3311605	4	Nut 3/8	
33	3422446	1	Pin	
34	3740067	1	Relay	
35	3790012	1	O-Ring (Not Shown - Located on Platform Console Box)	
36	3841143	1	Keeper, Pin	
37	4071122	2	Shim	
38	4360336	1	Switch, Toggle (Not Shown - Located on Platform Console Box)	
39	1001221488	1	Tube, Fuel Line	
40	4711400	6	Washer 1/4	
41	4711600	4	Washer 3/8	
43	4751600	8	Washer 3/8	
44	4752000	1	Washer 5/8	
45	4751400	8	Washer 1/4	
47	4811900	5	Washer M8	
48	4812000	1	Washer M10	
49	85941018	2	Clamp	
53	1001153359	1	Mount	
54	1001162497	1	Bracket, Battery	
55	1001174486	2	Clamp	
57	1001216568	1	Battery Cable Kit	B
57A	7027084	1	Cable, Battery - Ground to Battery -	
57B	8270147	1	Terminal, Battery with Boot	
57C	7027085	1	Cable, Battery - Auxiliary Pump/Relay to Battery -	
57D	7027086	1	Cable, Battery - Engine to Ground	
57E	7027088	1	Cable, Battery - Auxiliary Relay to Auxililary Pump	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
57F	70009020	1	Cable, Battery - Starter/Auxiliary Relay to Battery +	
58	1001217192	1	Ford Engine and Pump Sub-Assembly (Without Arctic Package) (See Separate Breakdown in this Section)	
59	1001219364	1	Hose	
60	1001219365	1	Hose	
61	1001219366	1	Hose	
62	1001219367	1	Hose	
63	1001219368	1	Hose	
64	1001219369	1	Hose	
65	1001219370	1	Bracket	
66	1001219809	1	Bracket	
67	0641408	2	Bolt 1/4 x 1	
69	8406201	1	Clip	
70	4240099	AR	Tie-Strap (Not Shown)	

FIGURE 3-40. FORD ENGINE INSTALLATION (WITH ARCTIC PACKAGE)



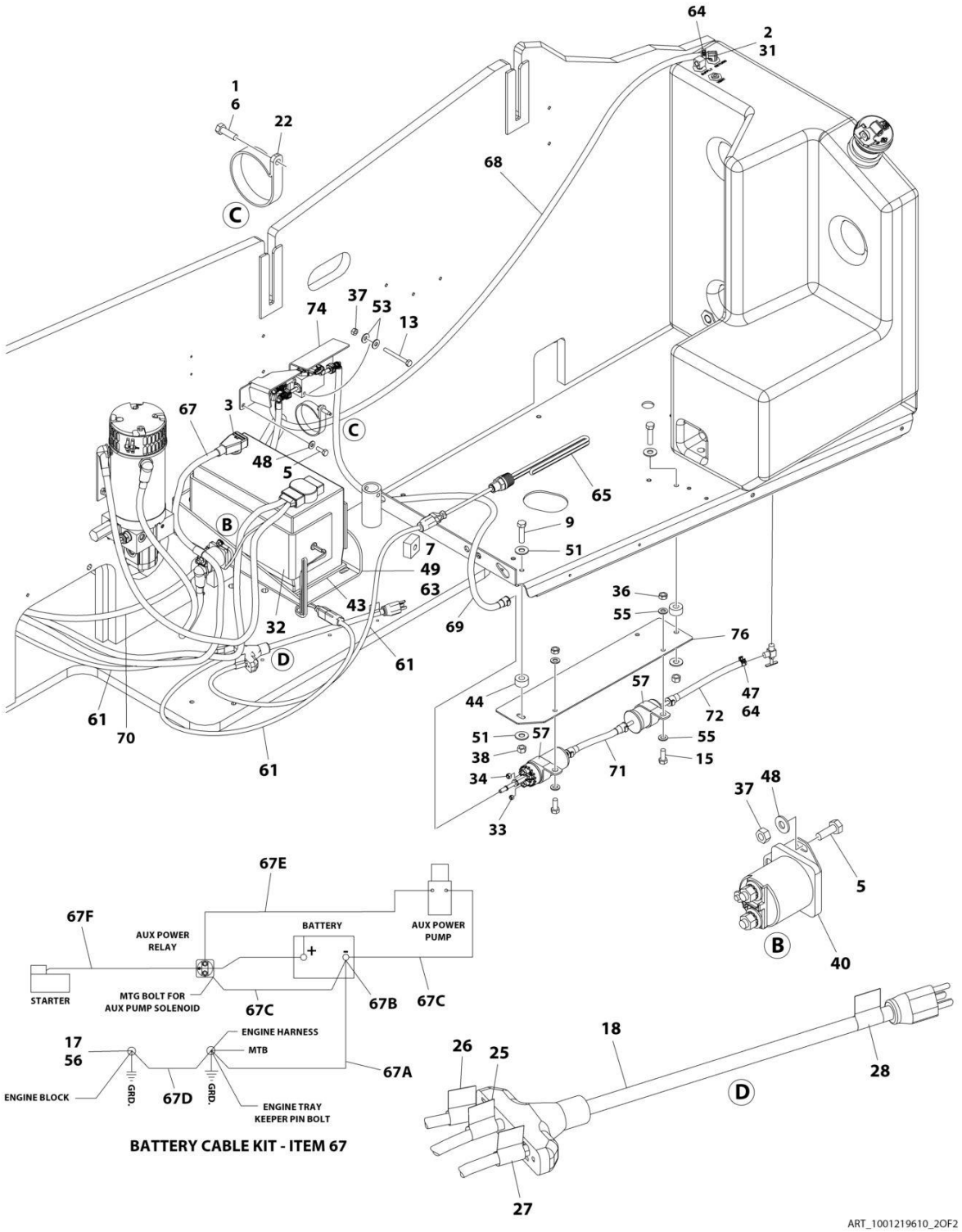

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67E
67F
AUX POWER RELAY
BATTERY
AUX POWER PUMP
STARTER
MTG BOLT FOR AUX PUMP SOLENOID
67C
67B
67C
17
56
ENGINE HARNESS
MTB
67A
ENGINE BLOCK
GRD.
67D
GRD.
ENGINE TRAY KEEPER PIN BOLT
BATTERY CABLE KIT - ITEM 67
26
25
18
28
D
27
ART_1001219610_2OF2

FIGURE 3-40. FORD ENGINE INSTALLATION (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219610	Ref	FORD ENGINE INSTALLATION (WITH ARCTIC PACKAGE)	H
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100048	AR	Grease, Terminal	
5	0641406	4	Bolt 1/4 x 3/4	
6	0641508	1	Bolt 5/16 x 1	
7	0641607	3	Bolt 3/8 x 7/8	
8	0641610	3	Bolt 3/8 x 1-1/4	
9	0641612	2	Bolt 3/8 x 1-1/2	
10	0641808	1	Bolt 1/2 x 1	
11	0642010	1	Bolt 5/8 x 1-1/4	
13	0641420	2	Bolt 1/4 x 2-1/2	
15	0760810	3	Bolt M8 x 20	
17	0761008	1	Bolt M10 x 16	
18	1060626	1	Plug, 3 Way	
21	1321283	2	Clamp	
22	1321339	1	Clamp	
23	1701542	1	Decal - Gas (Not Shown)	
24	1701543	2	Decal - LPG (Not Shown)	
25	1702941	1	Decal - Battery Heater	
26	1702942	1	Decal - Engine Block Heater	
27	1702943	1	Decal - Hydraulic Tank Heater	
28	1702944	1	Decal - Heater Cord	
29	2180418	1	Fitting, Straight	
30	2221197	1	Fitting, Reducer NPT/NPT	
31	2221176	1	Fitting, 90	
32	2580024	1	Heater, Battery	
33	3290405	1	Nut M4	
34	3290505	1	Nut M5	
36	3290801	2	Nut M8	
37	3311405	6	Nut 1/4	
38	3311605	4	Nut 3/8	
39	3422446	1	Pin	
40	3740067	1	Relay	
41	3790012	1	O-Ring (Not Shown - Located on Platform Console Box)	
42	3841143	1	Keeper, Pin	
43	3980007	1	Seat, Battery	
44	4071122	2	Shim	
45	4240099	AR	Tie-Strap (Not Shown)	
46	4360336	1	Switch, Toggle (Not Shown - Located on Platform Console Box)	
47	1001221488	1	Tube, Fuel Line	
48	4711400	6	Washer 1/4	
49	4711600	4	Washer 3/8	
51	4751600	8	Washer 3/8	
52	4752000	1	Washer 5/8	
53	4751400	8	Washer 1/4	
55	4811900	5	Washer M8	
56	4812000	1	Washer M10	
57	85941018	2	Clamp	
61	1001150918	1	Cable, Immersion Heater	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
62	1001153359	1	Mount	
63	1001162497	1	Bracket, Battery	
64	1001174486	2	Clamp	
65	1001188972	1	Heater, Hydraulic Tank	
67	1001216568	1	Battery Cable Kit	B
67A	7027084	1	Cable, Battery - Ground to Battery -	
67B	8270147	1	Terminal, Battery with Boot	
67C	7027085	1	Cable, Battery - Auxiliary Pump/Relay to Battery -	
67D	7027086	1	Cable, Battery - Engine to Ground	
67E	7027088	1	Cable, Battery - Auxiliary Relay to Auxililary Pump	
67F	70009020	1	Cable, Battery - Starter/Auxiliary Relay to Battery +	
68	1001219364	1	Hose	
69	1001219365	1	Hose	
70	1001219366	1	Hose	
71	1001219367	1	Hose	
72	1001219368	1	Hose	
73	1001219369	1	Hose	
74	1001219370	1	Bracket	
75	1001219609	1	Ford Engine and Pump Sub-Assembly (with Arctic Package) (See Separate Breakdown in this Section)	
76	1001219809	1	Bracket	
77	0641408	1	Bolt 1/4 x 1	
79	8406201	1	Clip, Tube	

FIGURE 3-41. FORD ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

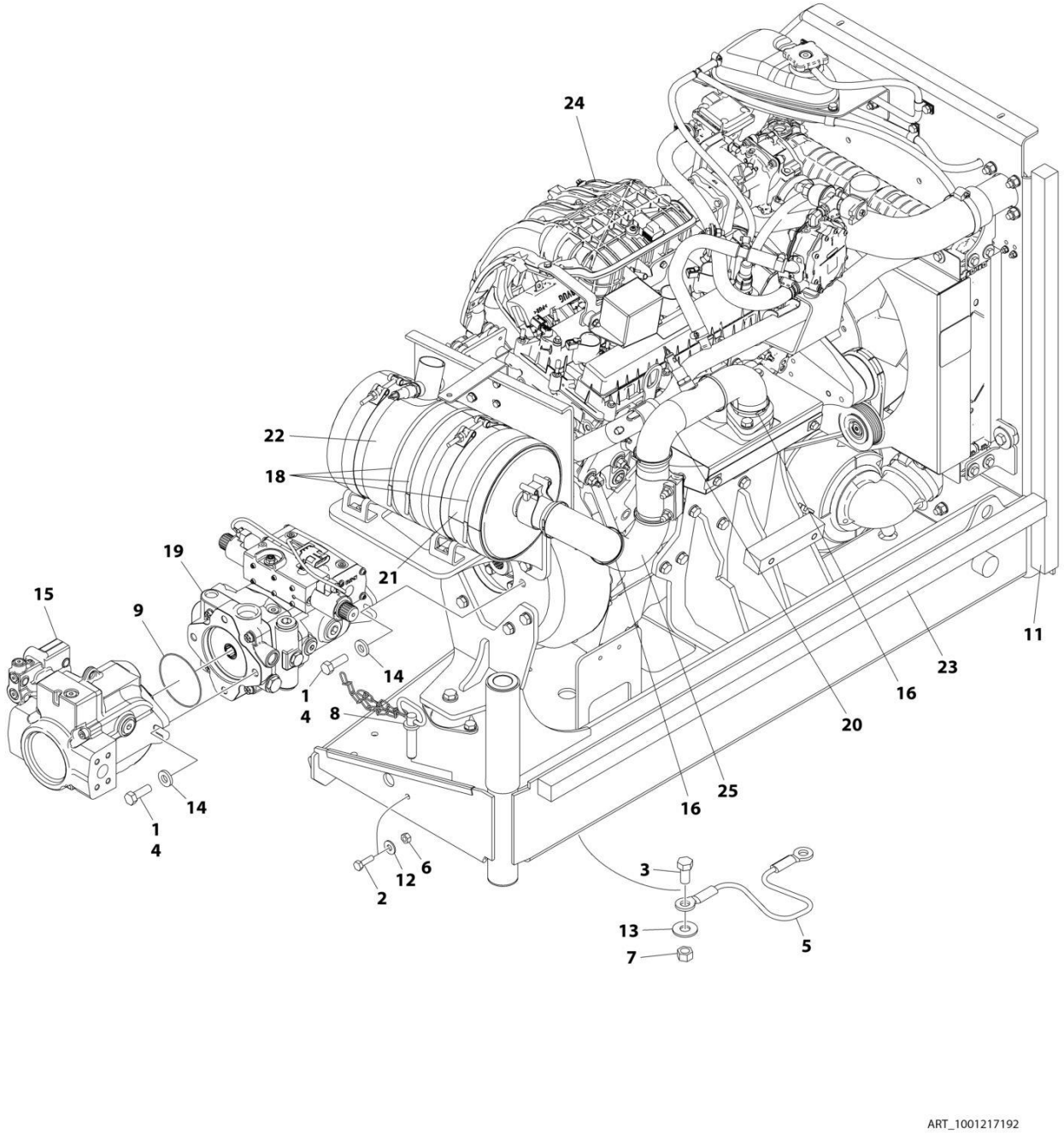


FIGURE 3-41. FORD ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217192	Ref	FORD ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE)	G
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Cable, Lanyard	
6	3311405	1	Nut 1/4	
7	3311805	1	Nut 1/2	
8	3422532	1	Pin	
9	3790044	1	O-Ring	
11	3960469	1	Seal	
12	4751400	1	Washer 1/4	
13	4751800	1	Washer 1/2	
14	4891800	4	Washer 1/2	
15	1001094595	1	Variable Pump Assembly (See Separate Breakdown in this Section)	
16	1001100825	6	Strap	
18	1001221464	3	Strap	
19	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
20	1001216532	1	Insulate, Exhaust Pipe	
21	1001216534	1	Insulate, Muffler	
22	1001216535	1	Insulate, Muffler	
23	1001217170	1	Seal	
24	1001217191	1	Ford Engine Assembly without Arctic Package (See Separate Breakdown in this Section)	
25	1001218085	1	Insulate, Exhaust Pipe	

FIGURE 3-42. FORD ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

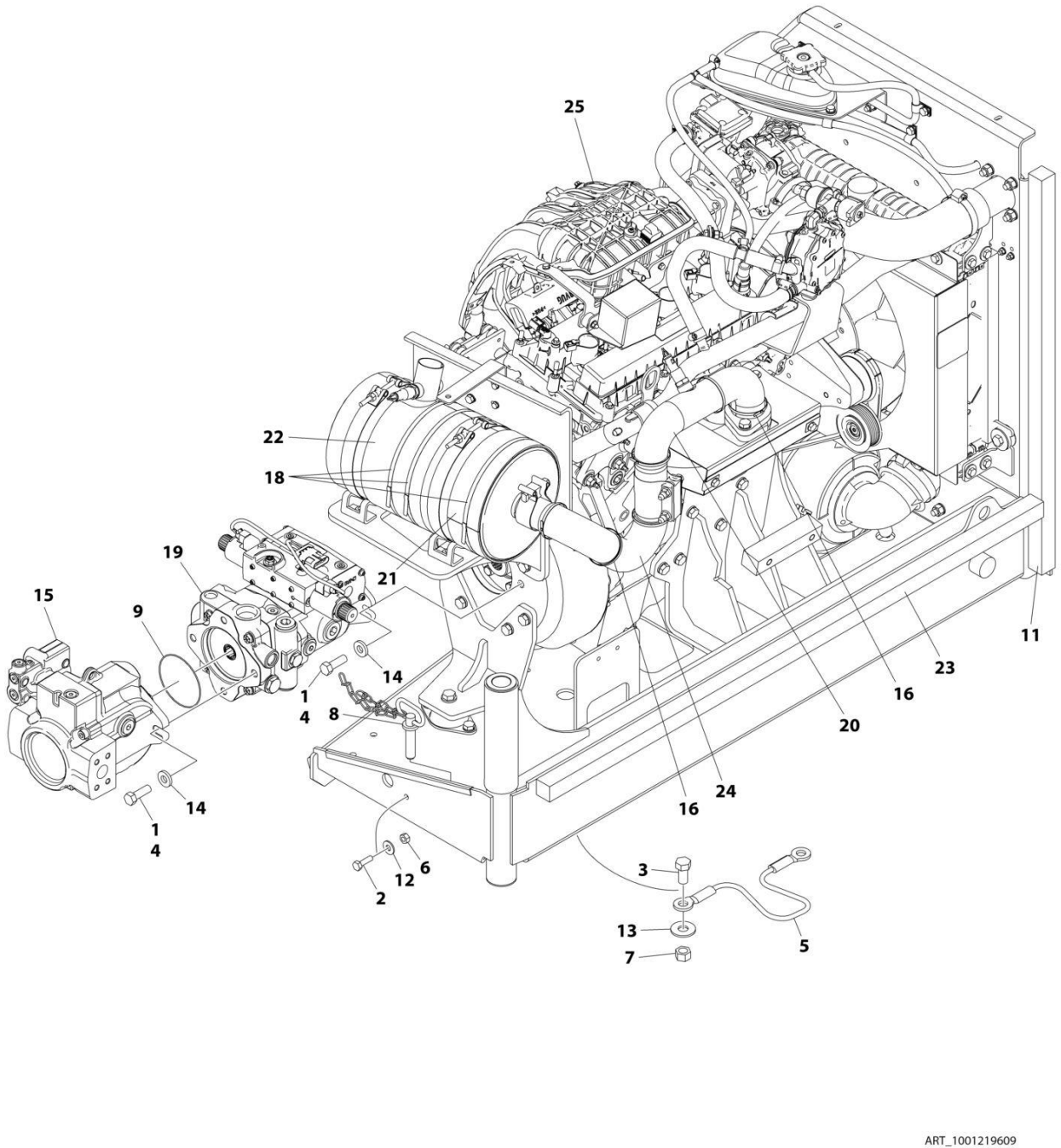
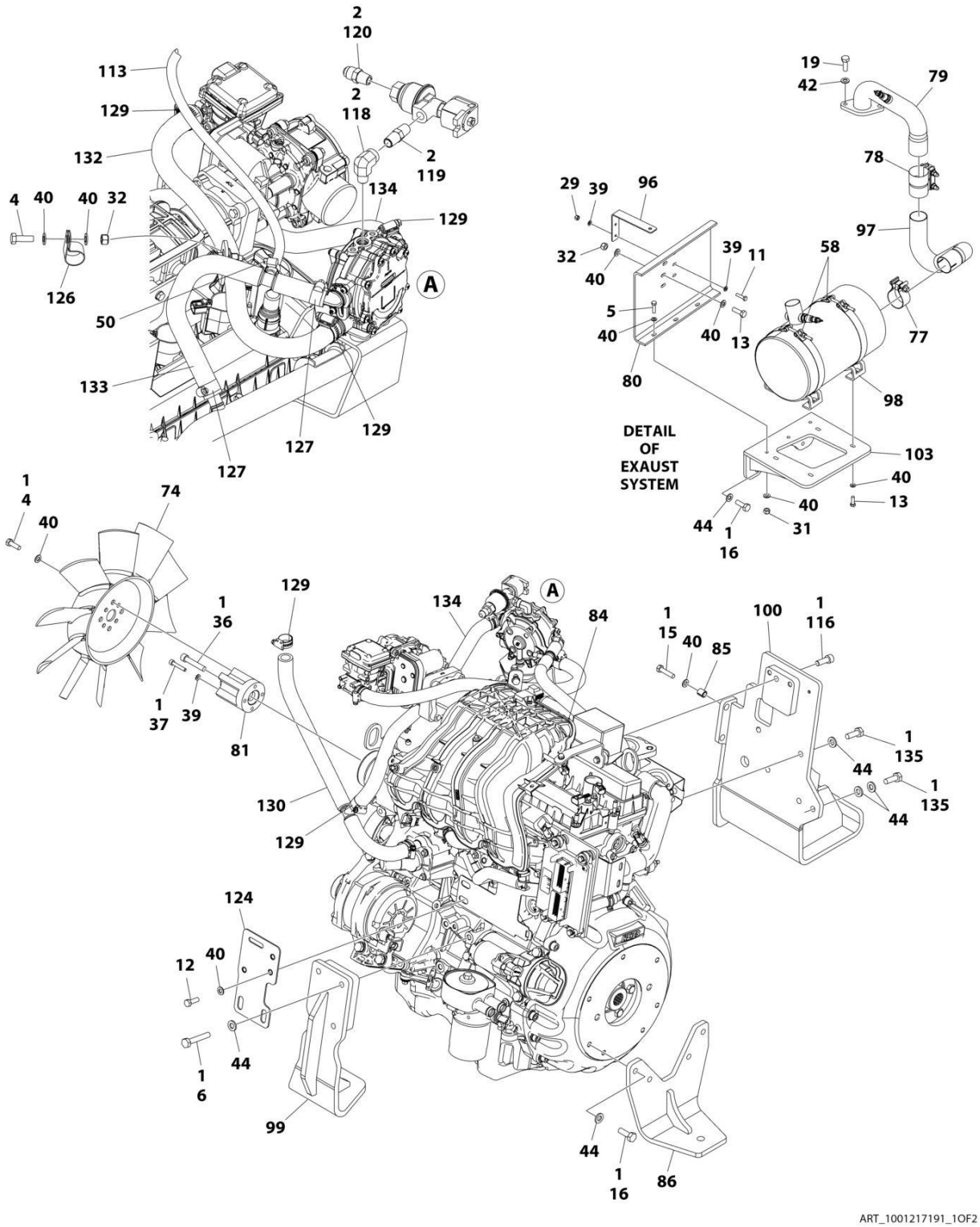


FIGURE 3-42. FORD ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219609	Ref	FORD ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE)	E
1	0100011	AR	Compound, Locking	
2	0641407	1	Bolt 1/4 x 7/8	
3	0641808	1	Bolt 1/2 x 1	
4	0641812	4	Bolt 1/2 x 1-1/2	
5	1060637	1	Cable, Lanyard	
6	3311405	1	Nut 1/4	
7	3311805	1	Nut 1/2	
8	3422532	1	Pin	
9	3790044	1	O-Ring	
11	3960469	1	Seal	
12	4751400	1	Washer 1/4	
13	4751800	1	Washer 1/2	
14	4891800	4	Washer 1/2	
15	1001094595	1	Variable Pump Assembly (See Separate Breakdown in this Section)	
16	1001100825	6	Strap	
18	1001137336	3	Strap	
19	1001225745	1	Hydrostatic Pump Assembly (See Separate Breakdown in this Section)	
20	1001216532	1	Insulate, Exhaust Pipe	
21	1001216534	1	Insulate, Muffler	
22	1001216535	1	Insulate, Muffler	
23	1001217170	1	Seal	
24	1001218085	1	Insulate, Exhaust Pipe	
25	1001219608	1	Ford Engine Assembly with Arctic Package (See Separate Breakdown in this Section)	

FIGURE 3-43. FORD ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)



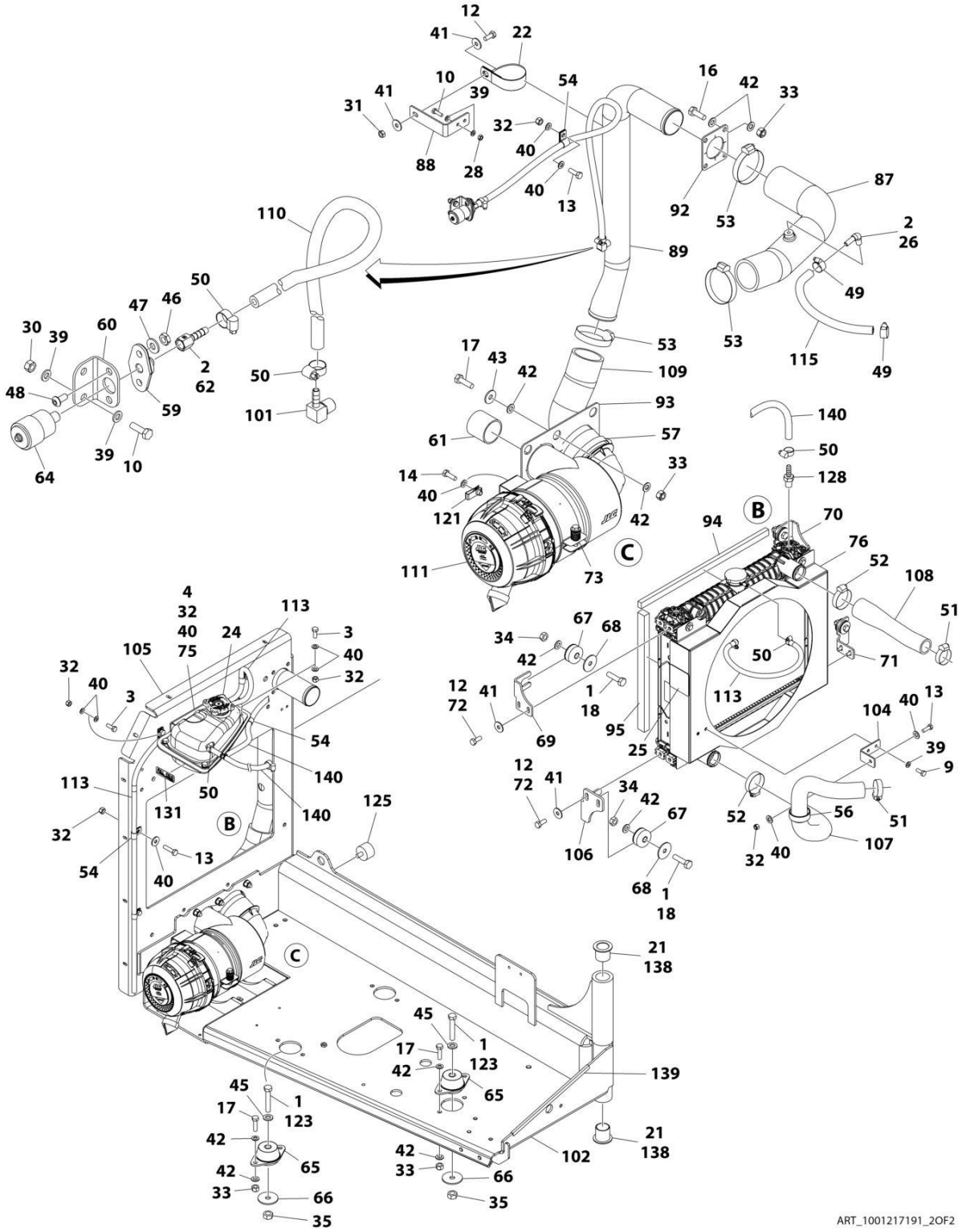

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FIGURE 3-43. FORD ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE)

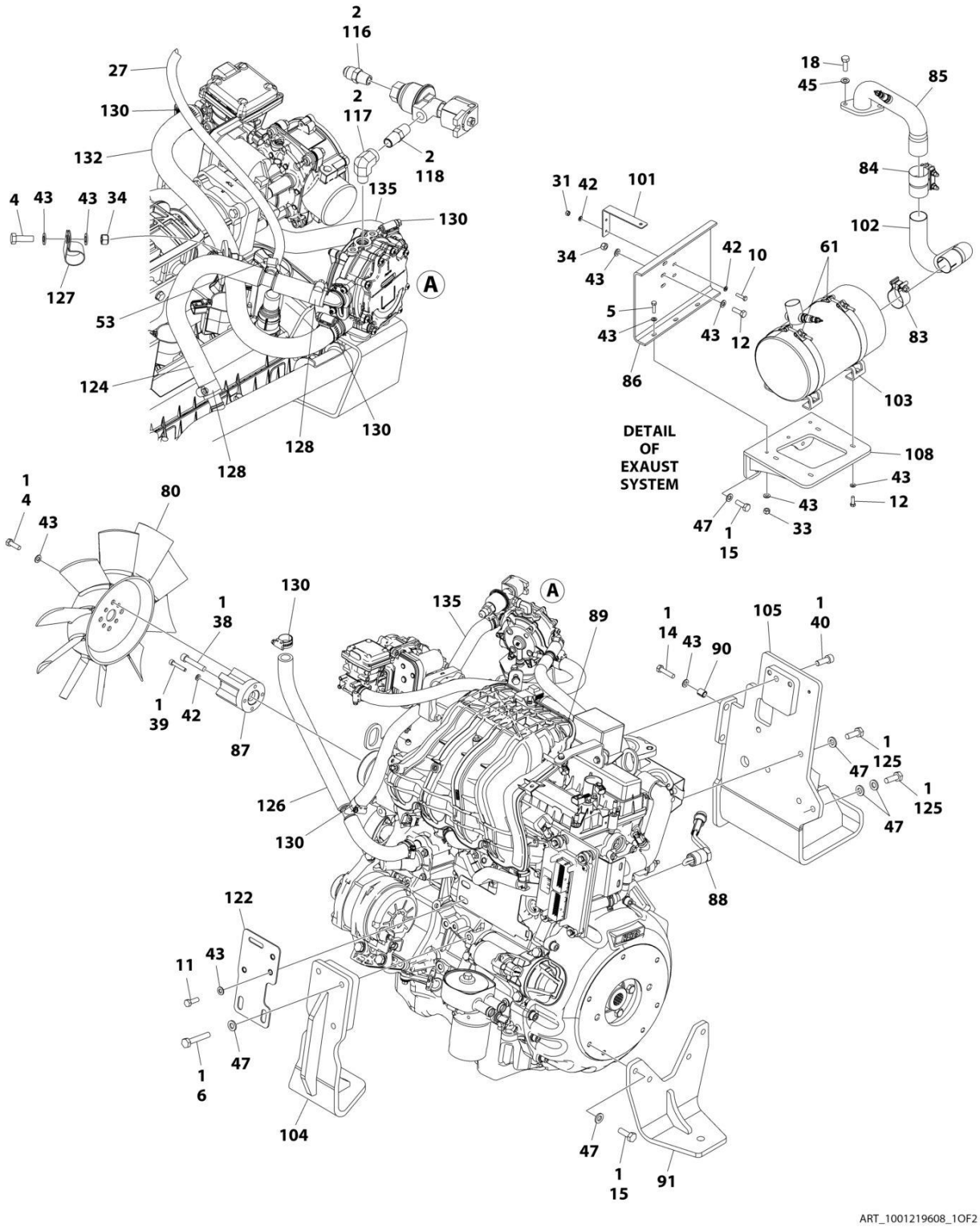
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217191	Ref	FORD ENGINE ASSEMBLY	S
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0700810	3	Bolt 8 x 20	
4	0700812	7	Bolt 8 x 25	
5	0700814	3	Bolt 8 x 30	
6	0711020	3	Bolt M10 x 60	
9	0760608	2	Bolt 6 x 16	
10	0760610	4	Bolt M6 x 20	
11	0760612	2	Bolt 6 x 25	
12	0760810	11	Bolt M8 x 20	
13	0760812	12	Bolt M8 x 25	
14	0760814	2	Bolt M8 x 30	
15	0760815	2	Bolt M8 x 35	
16	0761014	11	Bolt M10 x 30	
17	0761015	12	Bolt M10 x 35	
18	0761016	4	Bolt M10 x 40	
19	0771014	2	Bolt 10 x 30	
21	0961986	2	Bearing, Flange	
22	1320110	1	Clamp	
23	1001187781	1	Tie-Strap (Not Shown)	
24	1001223584	1	Tank, Surge	
25	1703162	2	Decal - Fan Blade	
26	2180467	1	Fitting, Straight NPT/Barb	
28	3290601	2	Nut M6	
29	3290605	2	Nut M6	
30	3290607	2	Nut M6	
31	3290801	4	Nut M8	
32	3290805	14	Nut M8	
33	3291005	16	Nut M10	
34	3291001	4	Nut M10	
35	3291201	3	Nut M12	
36	3931644	1	Screw 3/8 x 2-3/4	
37	4031711	4	Capscrew M6 x 35	
38	4240099	AR	Tie-Strap (Not Shown)	
39	4811700	18	Washer M6	
40	4811900	48	Washer M8	
41	4811902	10	Washer M8	
42	4812000	38	Washer M10	
43	4812002	6	Washer M10	
44	5241000	15	Washer M10	
45	5241200	3	Washer M12	
46	8305401	2	Nut Jam	
47	8307109	2	Washer	
48	8310548	2	Screw 1/4 x 1/2	
49	8405006	2	Clamp	
50	8405009	5	Gear	
51	8405102	2	Clamp	
52	8405104	2	Clamp	
53	8405203	3	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	8406109	6	Clip	
56	8410001	1	Clamp	
57	8410011	1	Clamp	
58	1001128901	2	Strap	
59	1001138173	1	Support	
60	1001138175	1	Bracket	
61	1001141585	1	Hose	
62	1001141995	2	Fitting, Straight NPT/Barbed	
64	1001149639	1	Indicator, Restriction	
65	1001191610	3	Mount, Motor	
66	1001168018	3	Washer	
67	1001169054	4	Isolator	
68	1001169138	4	Pad, Snubbing	
69	1001169967	1	Bracket	
70	1001170035	1	Bracket	
71	1001176329	1	Bracket	
72	1001180620	AR	Adhesive	
73	1001186426	1	Clamp	
74	1001223042	1	Fan	
75	1001225442	1	Bracket	
76	1001223923	1	Radiator	
77	1001215681	1	Clamp	
78	1001215974	1	Clamp	
79	1001216075	1	Pipe, Exhaust	
80	1001216092	1	Shield, Heat	
81	1001216201	1	Adapter	
84	1001216910	1	Ford Engine Prep Assembly (See Separate Breakdown in this Section)	
85	1001216919	2	Sleeve	
86	1001290252	1	Mount, Engine Rear	
87	1001217032	1	Tube	
88	1001217046	1	Bracket	
89	1001217090	1	Tube	
92	1001217174	1	Seal	
93	1001217175	1	Seal	
94	1001217183	2	Seal	
95	1001217185	2	Seal	
96	1001217186	1	Support	
97	1001217317	1	Pipe	
98	1001217543	2	Mount	
99	1001218362	1	Mount	
100	1001218449	1	Bracket	
101	1001134488	1	Fitting	
102	1001219259	1	Support	
103	1001219345	1	Muffler	
104	1001219361	1	Support	
105	1001219363	1	Plate	
106	1001219480	1	Bracket	
107	1001219611	1	Hose	
108	1001219612	1	Hose	
109	1001219613	1	Tube	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
110	1001138248	31 in/ 77cm	Tube	
111	1001189979	1	Air Filter Assembly	
111	70005008	1	Element, Filter - Primary	
111	70006460	1	Element, Filter -Secondary	
111	8273291	1	Valve, Dust Evacuator	
111	70006461	1	Cover	
113	2720058	55 in/ 1.5m	Hose	
115	1001165035	10 26cm	Hose	
116	5272010	1	Bolt M10 x 30	
118	1001247359	1	Fitting, 90 FSNPSM/NPTF	
119	2220261	1	Fitting	
120	2180418	1	Fitting	
121	1001221615	2	Nut M8	
123	0711223	3	Bolt 12 x 75	
124	1001222033	1	Plate	
125	0940070	1	Bumper	
126	8406201	1	Clip	
127	8410009	2	Gear Clamp	
128	2180348	1	Fitting	
129	1001173535	6	Clamp	
130	1001224489	1	Hose	
131	1001225510	1	Decal	
132	1001216531	1	Hose	
133	1001227666	1	Hose	
134	1001224486	1	Hose	
135	0711014	5	Bolt 10 x 30	
138	0100062	AR	Compound Locking	
139	4060805	16 in/ 41cm	Shield	
140	1001227667	1	Hose	
141	1001303818	1	Washer M10	

FIGURE 3-44. FORD ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)



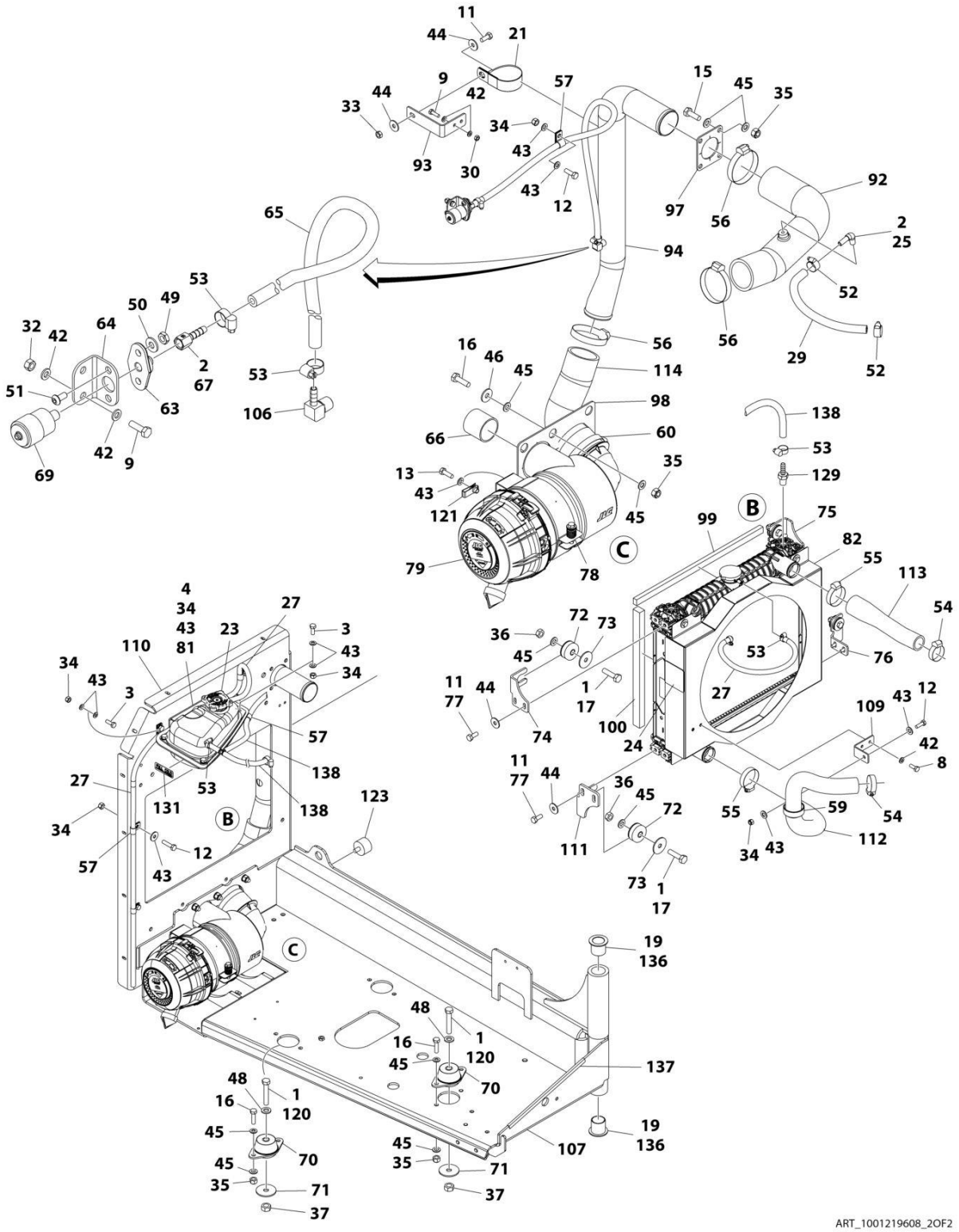

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FIGURE 3-44. FORD ENGINE ASSEMBLY (WITH ARCTIC PACKAGE)

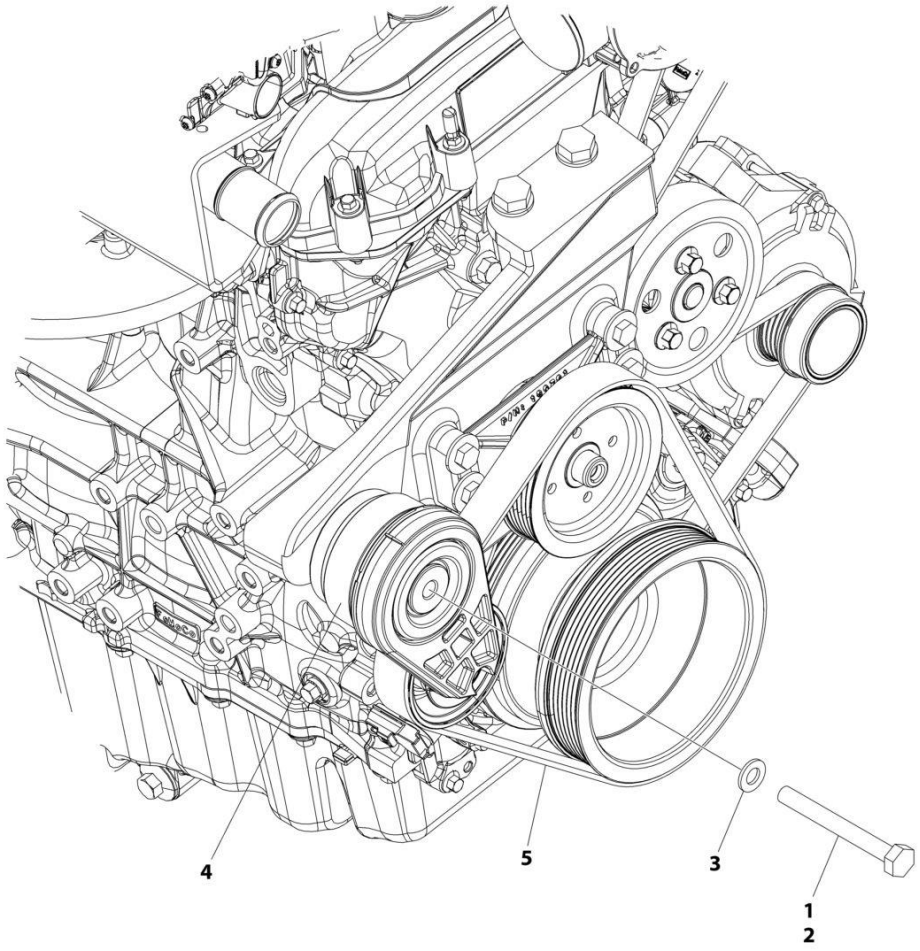
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219608	Ref	FORD ENGINE ASSEMBLY	P
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0700810	3	Bolt M8 x 20	
4	0700812	7	Bolt M8 x 25	
5	0700814	3	Bolt M8 x 30	
6	0711020	3	Bolt M10 x 60	
8	0760608	2	Bolt M6 x 16	
9	0760610	4	Bolt M6 x 20	
10	0760612	2	Bolt M6 x 25	
11	0760810	11	Bolt M8 x 20	
12	0760812	12	Bolt M8 x 25	
13	0760814	2	Bolt M8 x 30	
14	0760815	2	Bolt M8 x 35	
15	0761014	11	Bolt M10 x 30	
16	0761015	12	Bolt M10 x 35	
17	0761016	4	Bolt M10 x 40	
18	0771014	2	Bolt M10 x 30	
19	0961986	2	Bearing, Flange	
21	1320110	1	Clamp	
22	1001187781	1	Tie-Strap (Not Shown)	
23	1001223584	1	Tank, Surge	
24	1703162	2	Decal - Fan Blade	
25	2180467	1	Fitting, Straight NPT/Barb	
27	2720058	55 in/ 1.5m	Hose	
29	1001165035	10 26cm	Hose	
30	3290601	2	Nut M6	
31	3290605	2	Nut M6	
32	3290607	2	Nut M6	
33	3290801	4	Nut M8	
34	3290805	14	Nut M8	
35	3291005	16	Nut M10	
36	3291001	4	Nut M10	
37	3291201	3	Nut M12	
38	3931644	1	Screw 3/8 x 2-3/4	
39	4031711	4	Capscrew M6 x 35	
40	5272010	1	Bolt M10 x 30	
41	4240099	AR	Tie-Strap (Not Shown)	
42	4811700	18	Washer M6	
43	4811900	48	Washer M8	
44	4811902	10	Washer M8	
45	4812000	38	Washer M10	
46	4812002	6	Washer M10	
47	5241000	15	Washer M10	
48	5241200	3	Washer M12	
49	8305401	2	Nut Jam	
50	8307109	2	Washer	
51	8310548	2	Bolt 1/4 x 1/2	
52	8405006	2	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	8405009	5	Gear	
54	8405102	2	Clamp	
55	8405104	2	Clamp	
56	8405203	3	Clamp	
57	8406109	6	Clip	
59	8410001	1	Clamp	
60	8410011	1	Clamp	
61	1001128901	2	Strap	
63	1001138173	1	Support	
64	1001138175	1	Bracket	
65	1001138248	31 in/ 77cm	Tube	
66	1001141585	1	Hose	
67	1001141995	1	Fitting, Straight NPT/Barbed	
69	1001149639	1	Indicator, Restriction	
70	1001191610	3	Mount, Motor	
71	1001168018	3	Washer	
72	1001169054	4	Isolator	
73	1001169138	4	Pad, Snubbing	
74	1001169967	1	Bracket	
75	1001170035	1	Bracket	
76	1001176329	1	Bracket	
77	1001180620	AR	Adhesive	
78	1001186426	1	Clamp	
79	1001189979	1	Air Filter Assembly	
79	70005008	4	Element, Filter - Primary	
79	70006460	4	Element, Filter - Secondary	
79	8273291	1	Valve, Dust Evacuator	
79	70006461	1	Cover	
80	1001223042	1	Fan	
81	1001225442	1	Bracket	
82	1001223923	1	Radiator	
83	1001215681	1	Clamp	
84	1001215974	1	Clamp	
85	1001216075	1	Pipe, Exhaust	
86	1001216092	1	Shield, Heat	
87	1001216201	1	Adapter	
88	1001216393	1	Heater, Block	
89	1001216910	1	Ford Engine Prep Assembly (See Separate Breakdown in this Section)	
90	1001216919	2	Sleeve	
91	1001290252	1	Mount, Engine Rear	
92	1001217032	1	Tube	
93	1001217046	1	Bracket	
94	1001217090	1	Tube	
97	1001217174	1	Seal	
98	1001217175	1	Seal	
99	1001217183	2	Seal	
100	1001217185	2	Seal	
101	1001217186	1	Support	
102	1001217317	1	Pipe	
103	1001217543	2	Mount	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
104	1001218362	1	Mount	
105	1001218449	1	Bracket	
106	1001134488	1	Fitting	
107	1001219259	1	Support	
108	1001219345	1	Muffler	
109	1001219361	1	Support	
110	1001219363	1	Plate	
111	1001219480	1	Bracket	
112	1001219611	1	Hose	
113	1001219612	1	Hose	
114	1001219613	1	Tube	
116	2180418	1	Fitting	
117	1001247359	1	Fitting, 90 FSNPSM/NPTF	
118	2220261	1	Fitting	
120	0711223	3	Bolt M12 x 75	
121	1001221615	2	Nut M8	
122	1001222033	1	Plate	
123	0940070	1	Bumper	
124	1001227666	1	Hose	
125	0711014	5	Bolt M10 x 30	
126	1001224489	1	Hose	
127	8406201	1	Clip	
128	8410009	2	Gear Clamp	
129	2180348	1	Fitting	
130	1001173535	6	Clamp	
131	1001225510	1	Decal	
132	1001216531	1	Hose	
135	1001224486	1	Hose	
136	0100062	AR	Compound Locking	
137	4060805	16 in/ 41cm	Shield	
138	1001227667	1	Hose	
139	1001303818	1	Washer M10 (Not Shown)	

FIGURE 3-45. FORD ENGINE DRIVE BELT INSTALLATION (MACHINES WITHOUT GENERATOR)



ART_1001220404

FIGURE 3-45. FORD ENGINE DRIVE BELT INSTALLATION (MACHINES WITHOUT GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220404	Ref	DRIVE BELT INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0701026	1	Bolt M10 x 90	
3	4812002	1	Washer M10	
4	1001216300	1	Pulley	
5	1001216619	1	V-Belt	

FIGURE 3-46. FORD ENGINE COMPONENTS

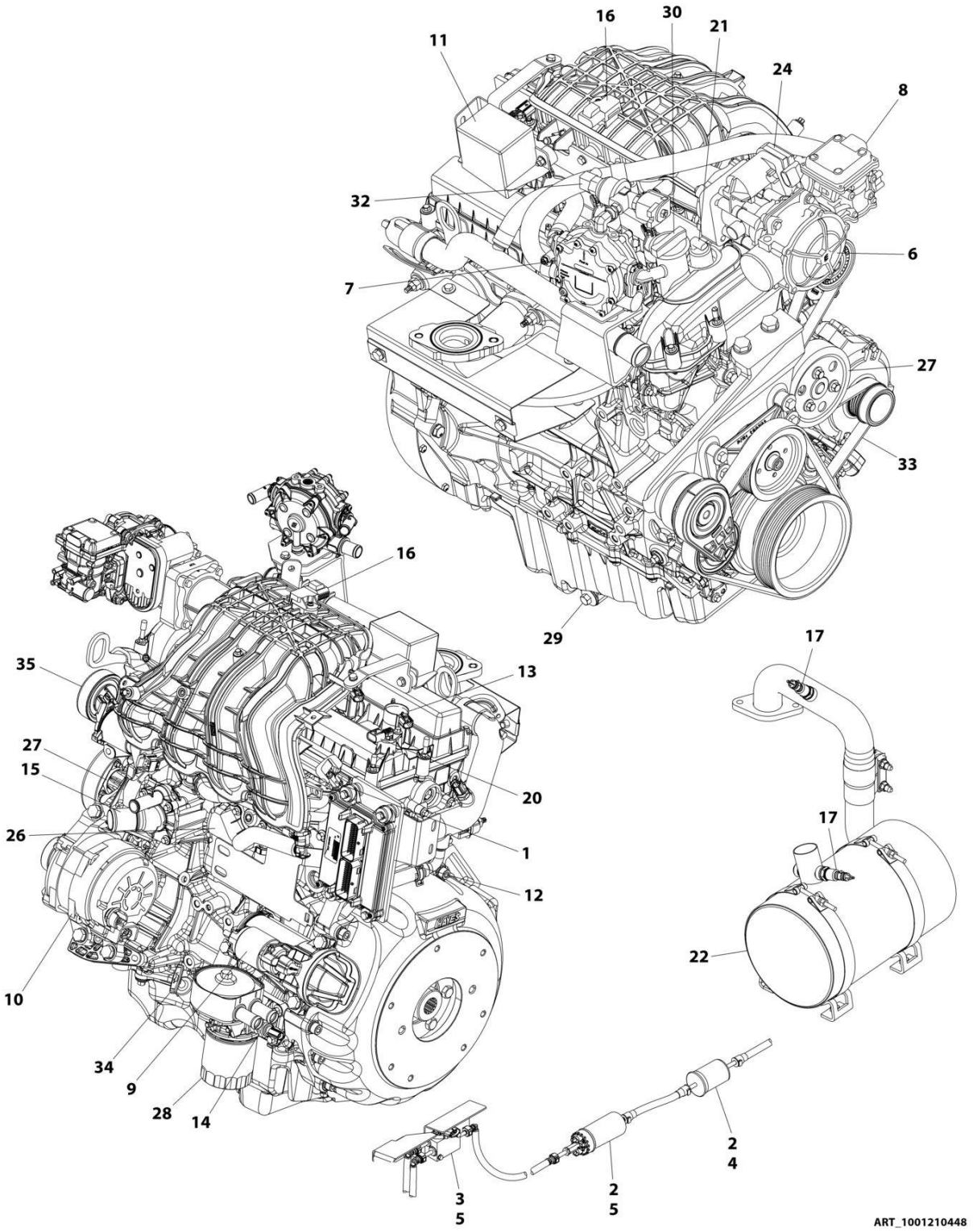


FIGURE 3-46. FORD ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210448	Ref	FORD ENGINE COMPONENTS	H
1	70006145	4	Injector, Fuel	
1	70006147	1	Rail, Fuel	
2	70006150	1	Pump, Fuel	
2	70006154	1	Fitting M10	
3	70006151	1	Block, Fuel	
3	70006152	2	Fitting SAE6	
3	70006153	1	Fitting SAE3	
3	70006189	1	Harness, Fuel Block	
4	70006155	1	Filter, Fuel	
5	7022162	8	Clamp	
5	70006157	8	Clip, Fuel Quick Disconnect	
6	70006158	1	Mixer, LP	
6	70006168	1	Mixer Diaphragm Replacement Kit	
6	70006159	1	Adapter, Mixer to Governor	
6	70006160	1	O-Ring, Mixer to Adapter	
6	70006161	1	Seal, Mixer to Adapter	
7	70006162	1	Regulator, LP Vapor	
7	70006166	2	Fitting	
7	70006167	1	Fitting, Straight	
7	70006165	2	Isolator, Rubber	
8	70006163	1	Regulator, Direct Electronic Pressure	
8	70006164	1	Adapter, Fitting 90	
9	70006169	1	Starter	
9	70006233	1	Harness, Alternator/Starter	
10	70006170	1	Alternator	
11	70006173	1	Cover, Relay Box	
11	70006171	2	Relay (Fuel Pump & Power)	
11	70006172	1	Relay (Starter)	
11	70006175	1	Fuse - 20Amp (Starter)	
11	70006174	1	Decal - Relay Box Cover	
11	70006188	1	Harness, Engine	
11	70006165	2	Isolator, Rubber	
12	70006176	1	Module - Engine Control Unit (ECU/GCP)	
12	70006191	1	Software & Diagnostic Cable	
13	70006177	4	Coil and Boot Assembly	
13	70006178	4	Plug, Spark	
14	70006179	1	Switch, Oil Pressure	
15	70006180	1	Sensor, Knock	
16	70006181	1	Sensor, TMAP	
17	70006182	2	Sensor, O2	
18	70006183	1	Sensor, Coolant Temperature (Not Shown - Located Rear of Engine Block)	
19	70006184	1	Sensor, Crank Position (Not Shown - Located at Front RH Side of Block)	
20	70006185	1	Sensor, Cam Position	
21	70006186	1	Solenoid, Timing	
21	70006187	1	Grommet, Rubber	
22	70006194	1	Muffler	
22	70006195	1	Plug (Located at Muffler Outlet)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
23		Ref	Gasket Options (Not Shown)	
23	70006196	1	Gasket, Exhaust Manifold to Head	
23	70006197	1	Gasket, Exhaust Manifold Outlet	
23	70006200	1	Gasket, Intake Manifold to Head	
23	70006219	1	Gasket Set - Camshaft Cover	
23	70006225	1	Gasket, Cylinder Head	
24	70006198	1	Governor	
24	7027404	1	Gasket, Governor Actuator	
24	70006199	1	Gasket, Governor to Intake Manifold Adapter	
25	70006203	1	Flywheel (Not Shown)	
26	70006205	1	Thermostat (Includes Housing)	
26	70006206	1	Gasket, Water Inlet	
27	70006207	1	Pump, Water	
27	70006208	1	O-Ring, Water Pump	
27	See Note	NSS	Pulley, Water Pump (Note: Not Available for Purchase at This Time)	
28	70006213	1	Filter, Oil	
29	70006215	1	Plug, Oil Drain	
29	70006217	1	Gasket, Oil Drain Plug	
30	70006221	1	Cap, Oil Fill	
31	70006232	1	Sensor, Crank (Not Shown)	
32	70006235	1	Valve, Lock-Off (Includes Filter)	
33	70006202	1	Belt	
34	70006236	1	Dipstick	
35	70007108	1	Belt Tensioner	

FIGURE 3-47. FORD ENGINE PREP ASSEMBLY

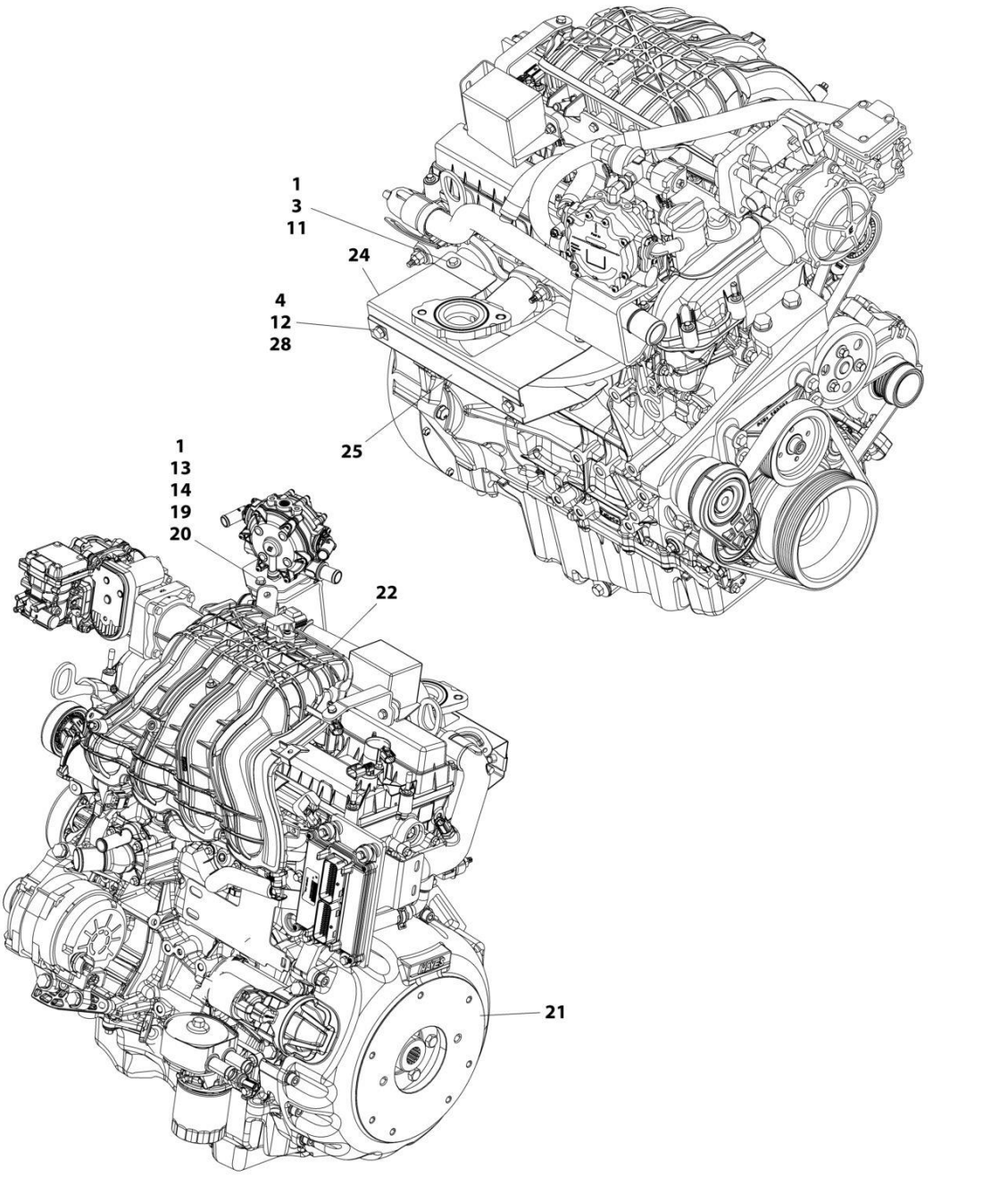


FIGURE 3-47. FORD ENGINE PREP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216910	Ref	FORD ENGINE PREP ASSEMBLY	F
1	0100011	AR	Compound, Locking	
3	0760605	4	Bolt M6 x 10	
4	0760807	2	Bolt M8 x 14	
11	4811702	4	Washer M6	
12	4811900	2	Washer M8	
13	5250605	3	Bolt M6 x 10	
14	5260600	1	Nut M6 Class 10	
19	1001211794	3	Mount, Isolator	
20	1001227769	1	Plate	
21	1001213810	1	Pump Coupling Kit	
21	70006134	1	Coupling	
21	70006135	1	Housing	
21	70006136	1	Hardware Kit	
22	1001216065	1	Ford Engine Assembly (See Separate Breakdown in this Section)	
24	1001216768	1	Bracket	
25	1001216769	1	Bracket	
28	1001149160	2	Nut, Tinnerman M8	

FIGURE 3-48. FORD ENGINE BRACKETS AND EXHAUST MANIFOLD INSTALLATION

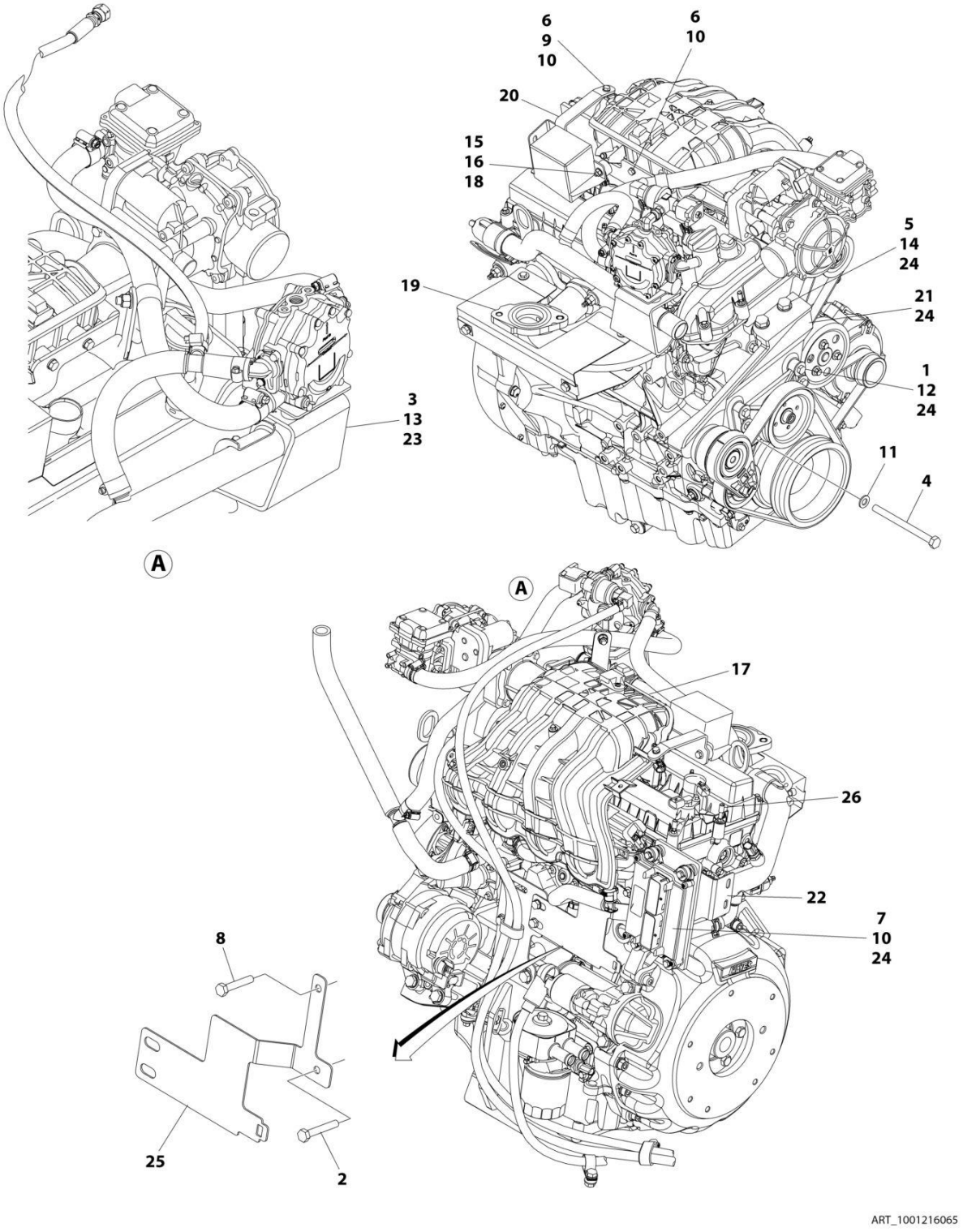


FIGURE 3-48. FORD ENGINE BRACKETS AND EXHAUST MANIFOLD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216065	Ref	FORD ENGINE ASSEMBLY - BRACKETS/EXHAUST MANIFOLD	N
1	0700816	4	Bolt M8 x 40	
2	0700818	1	Bolt M8 x 50	
3	0701014	2	Bolt M10 x 30	
4	0710827	1	Bolt M8 x 100 Grade 10.9	
5	0711216	2	Bolt M12 x 40	
6	0760610	3	Bolt M6 x 20	
7	0760615	4	Bolt M6 x 35	
8	0760817	1	Bolt M8 x 45	
9	3290601	1	Nut M6	
10	4811700	8	Washer M6	
11	4811900	1	Washer M8	
12	4811902	4	Washer M8	
13	4812000	1	Washer M10	
14	4812100	2	Washer M12	
15	5250605	2	Bolt M6 x 10	
16	5260600	2	Nut M6 Class 10	
17	1001210448	1	Engine, Ford 2.5L (See Separate Breakdown in this Section)	
18	1001211794	2	Mount	
19	1001214827	1	Manifold, Exhaust	
20	1001215384	1	Bracket	
21	1001216071	1	Bracket	
22	1001216144	1	Support, Muffler	
23	1001227772	1	Mount, Vaporizer	
24	0100011	AR	Compound, Locking	
25	1001221545	1	Plate	
26	1001222641	6	Cap	

FIGURE 3-49. HYDROSTATIC PUMP ASSEMBLY

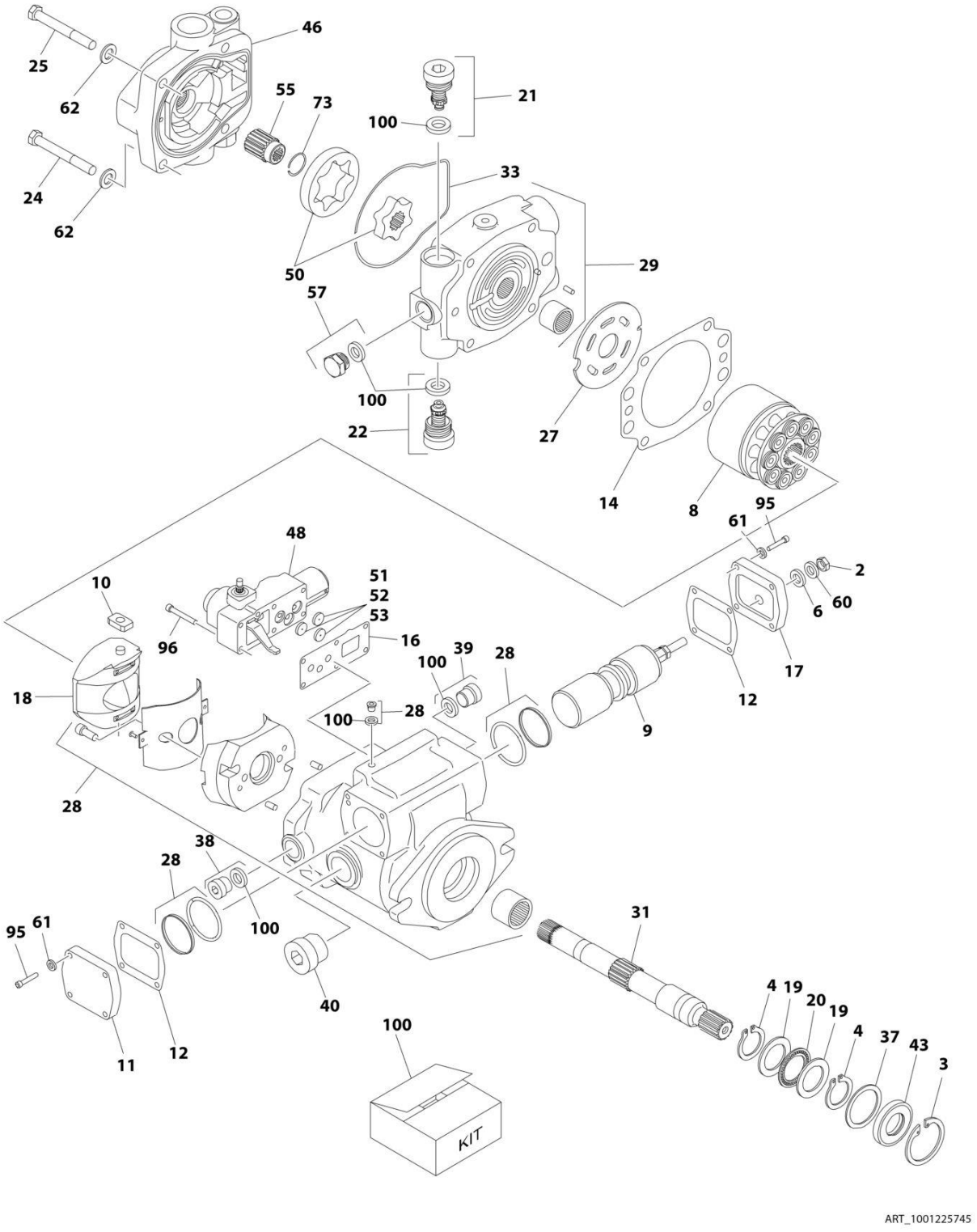


FIGURE 3-49. HYDROSTATIC PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225745	Ref	HYDROSTATIC PUMP ASSEMBLY	A
2	70004329	1	Nut	
3	See Note	NSS	Ring, Retaining (Note: Use Item 100)	
4	See Note	NSS	Ring, Retaining (Note: Use Item 100)	
6	See Note	NSS	Washer, Seal (Note: Use Item 100)	
8	70004331	1	Cylinder Block Assembly	
9	70004332	1	Servo Piston Assembly	
10	70004333	1	Follower, Servo Piston	
11	70005458	1	Cover	
12	See Note	NSS	Gasket, Cover (Note: Use Item 100)	
14	See Note	NSS	Gasket, Housing (Note: Use Item 100)	
16	See Note	NSS	Gasket, Control Housing (Note: Use Item 100)	
17	70005459	1	Cover	
18	70004336	1	Camplate Assembly	
19	7004907	2	Race, Thrust	
20	7004908	1	Bearing, Thrust	
21	70004337	1	Relief Valve Assembly	
22	70004337	1	Relief Valve Assembly	
24	70004338	2	Capscrew	
25	70004338	2	Capscrew	
27	70004340	1	Plate, Valve	
28	See Note	NSS	Housing (Note: Not Available - Purchase Assembly)	
29	70005460	1	End Cover Assembly	
31	70004342	1	Shaft, Drive	
33	See Note	NSS	O-Ring (Note: Use Item 100)	
37	7004906	1	Washer	
38	70005461	1	Plug	
39	70005461	1	Plug	
40	70005462	1	Plug	
43	See Note	NSS	Seal, Shaft (Note: Use Item 100)	
46	70004343	1	Adapter, Charge Pump	
48	70004344	1	Servo Control Assembly	
50	70004345	1	Gerotor	
51	70004346	1	Orifice	
52	70004346	1	Orifice	
53	70004346	1	Orifice	
55	70004347	1	Coupler	
57	70005463	1	Plug	
60	70004348	1	Washer	
61	70004349	8	Washer	
62	70004350	4	Washer	
73	70004351	1	Ring, Retaining	
95	70005464	8	Capscrew	
96	70005465	6	Capscrew	
100	70004352	1	Seal Kit - Pump (Includes Items 3, 4, 6, 12, 14, 16, 33 & 43 and Valve and Plug O-Rings and Seals)	

FIGURE 3-50. VARIABLE PUMP ASSEMBLY - DANFOSS

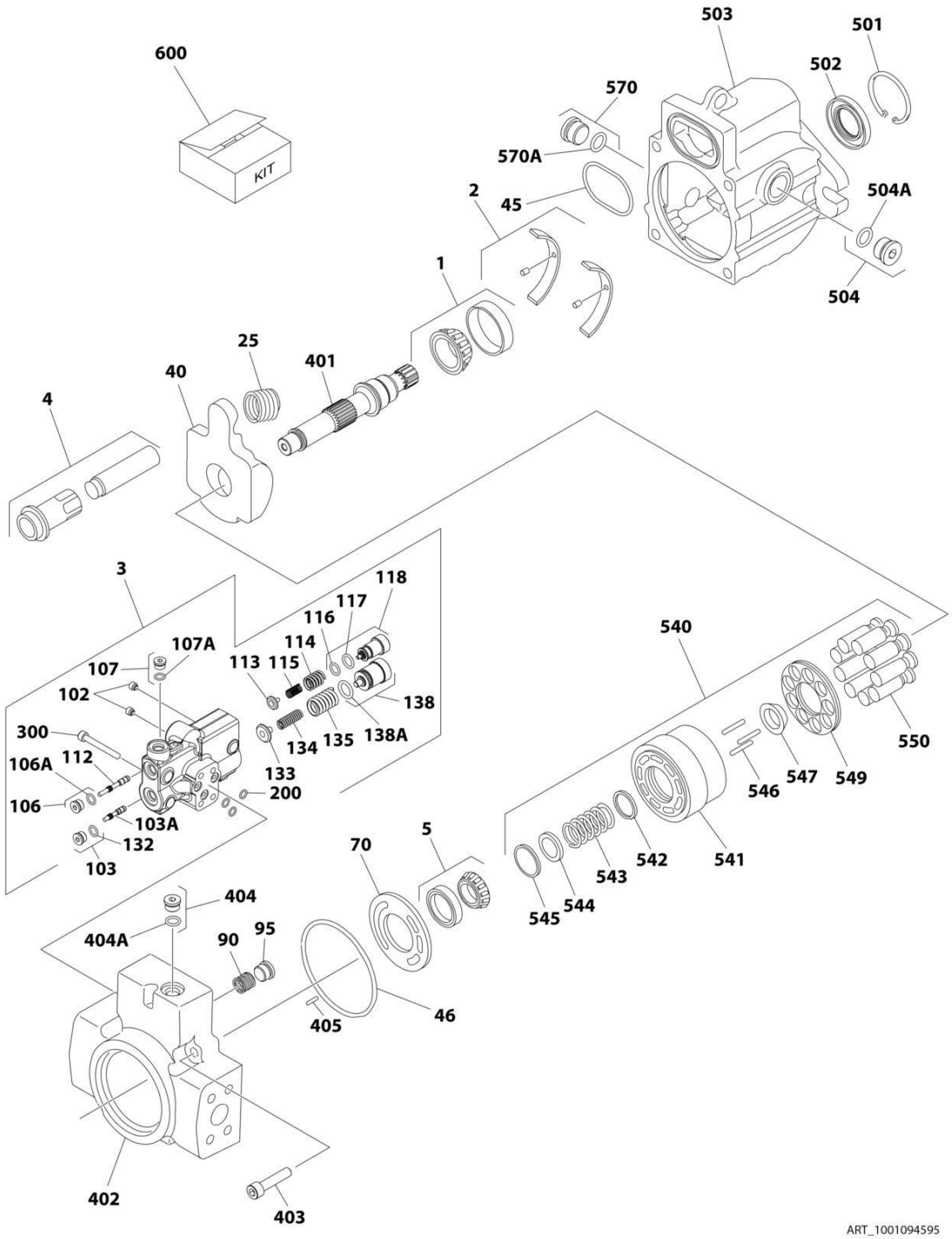


FIGURE 3-50. VARIABLE PUMP ASSEMBLY - DANFOSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001094595	Ref	VARIABLE PUMP ASSEMBLY	A
1	7023947	1	Bearing, Front (Includes Cup and Cone)	
2	7023948	1	Bearings, Swash Plate (Includes Both Sides and Pins)	
3	7023956	1	Control Valve Assembly (Includes Items 102-300)	
4	7023949	1	Servo Piston Assembly	
5	7023950	1	Bearing, Rear (Includes Cup and Cone)	
25	7023951	1	Spring	
40	7023952	1	Swash Plate	
45	See Note	NSS	O-Ring (Note: Use Item 600)	
46	See Note	NSS	O-Ring (Note: Use Item 600)	
70	70001954	1	Plate, Valve	
90	70001955	1	Spring, Check Valve	
95	70001956	1	Poppet, Check Valve	
102	See Note	NSS	Setscrew (Note: Use Item 3)	
103	See Note	NSS	Plug (Note: Use Item 3)	
103A	See Note	NSS	O-Ring (Note: Use Item 600)	
106	See Note	NSS	Plug (Note: Use Item 3)	
106A	See Note	NSS	O-Ring (Note: Use Item 600)	
107	See Note	NSS	Plug (Note: Use Item 3)	
107A	See Note	NSS	O-Ring (Note: Use Item 600)	
112	See Note	NSS	Spool, Control (Note: Use Item 3)	
113	See Note	NSS	Guide, Spring (Note: Use Item 3)	
114	See Note	NSS	Spring (Note: Use Item 3)	
115	See Note	NSS	Spring (Note: Use Item 3)	
116	See Note	NSS	O-Ring (Note: Use Item 600)	
117	See Note	NSS	Ring, Back-up (Note: Use Item 600)	
118	See Note	NSS	Plug, Adjusting (Note: Use Item 3)	
132	See Note	NSS	Spool, Control (Note: Use Item 3)	
133	See Note	NSS	Guide, Spring (Note: Use Item 3)	
134	See Note	NSS	Spring (Note: Use Item 3)	
135	See Note	NSS	Spring (Note: Use Item 3)	
138	See Note	NSS	Plug, PC Adjusting (Note: Use Item 3)	
138A	See Note	NSS	O-Ring (Note: Use Item 600)	
200	See Note	NSS	Ring, Seal (Note: Use Item 600)	
300	7023957	4	Screw	
401	7023958	1	Shaft	
402	70001957	1	Cap, End	
403	7023960	4	Screw	
404	7022318	1	Plug	
404A	See Note	NSS	O-Ring (Note: Use Item 600)	
405	7023961	1	Pin	
501	7023962	1	Ring, Retaining	
502	See Note	NSS	Seal, Lip (Note: Use Item 600)	
503	See Note	NSS	Housing (Note: Not Available - Purchase Assembly)	
504	7023964	1	Plug	
504A	7007415	1	O-Ring	
540	7023965	1	Cylinder Block Assembly	
541	See Note	NSS	Block, Cylinder (Note: Use Item 540)	
542	7024868	1	Washer	
543	7024867	1	Spring	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
544	7022314	1	Retainer, Spring	
545	7022311	1	Ring, Retaining	
546	7021275	3	Pin, Slipper	
547	7024864	1	Guide, Slipper	
549	7024866	1	Retainer, Slipper	
550	7023966	9	Piston Assembly	
570	7023964	1	Plug	
570A	7007415	1	O-Ring	
600	7023967	1	Seal Kit - Complete (Includes Items 45, 46, 103A, 106A, 107A, 118, 138A, 200, 444A & 502)	

FIGURE 3-51. VARIABLE PUMP ASSEMBLY - HENGLI

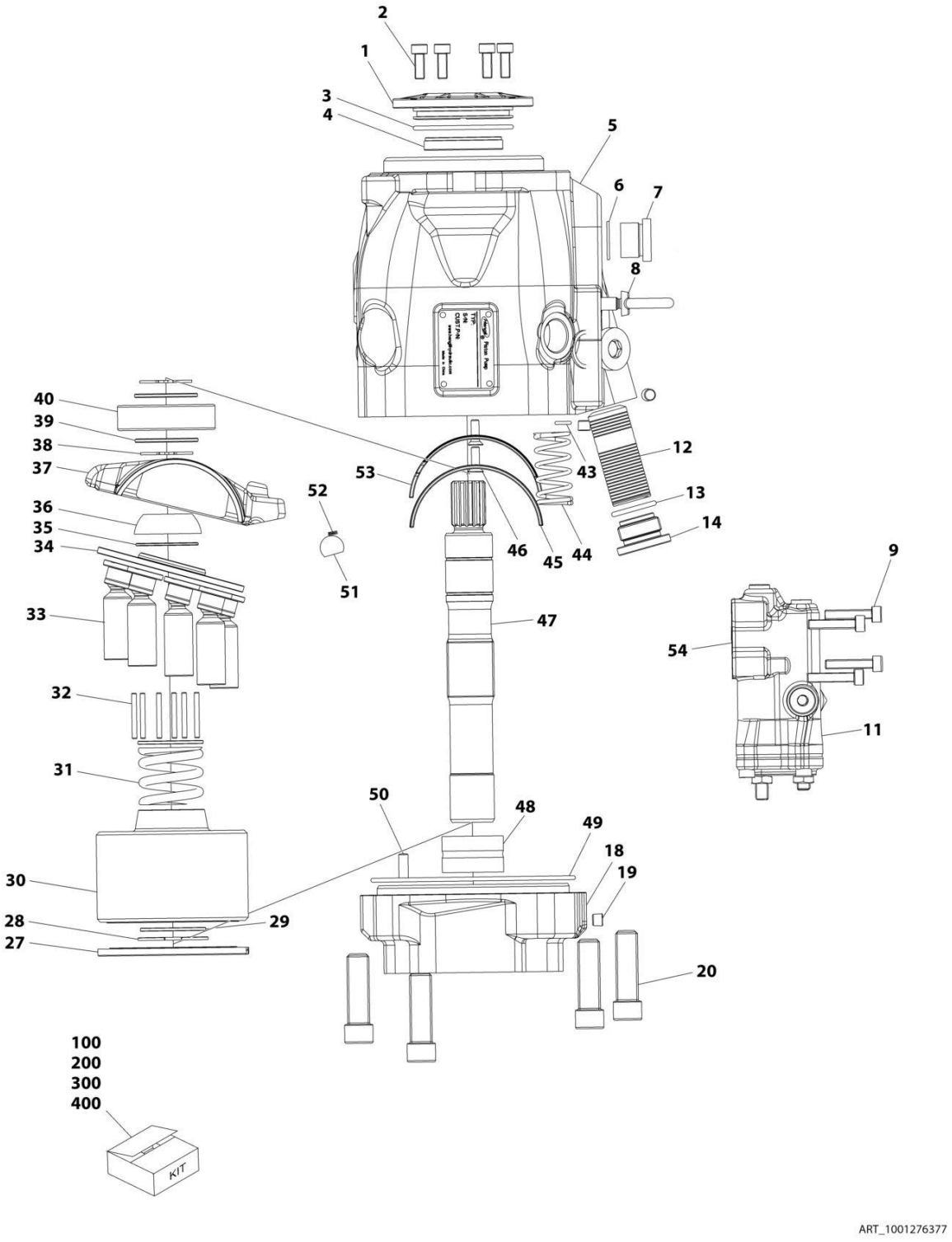
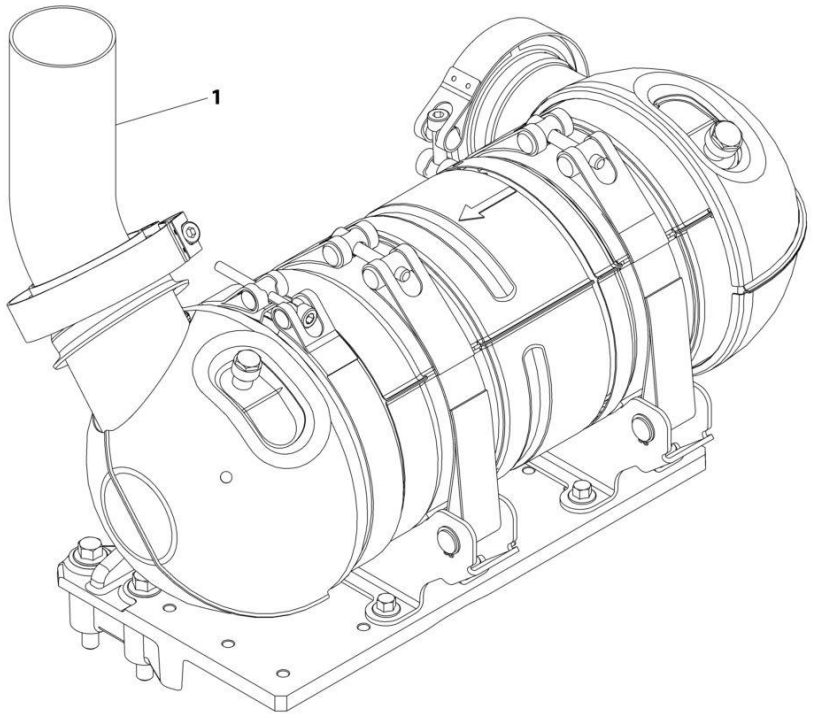


FIGURE 3-51. VARIABLE PUMP ASSEMBLY - HENGLI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276377	Ref	VARIABLE PUMP ASSEMBLY	B
1	70007789	1	Case, Oil Seal	
2	See Note	NSS	Capscrew M6 x 16 (Note: Purchase Separately)	
3	See Note	NSS	O-Ring (Note: Use Item 100)	
4	70007798	1	Seal, Oil	
5	See Note	NSS	Housing (Note: Not Available - Purchase Assembly)	
6	See Note	NSS	O-Ring (Note: Use Item 100)	
7	70007790	3	Plug	
8	See Note	NSS	Bolt, Eye M8 (Note: Purchase Separately)	
9	See Note	NSS	Capscrew M9 x 30 (Note: Purchase Separately)	
11	70007787	1	Valve, Control	
12	70007800	1	Piston	
13	See Note	NSS	O-Ring (Note: Use Item 100)	
14	70007801	1	Plug	
18	See Note	NSS	Cover (Note: Not Available - Purchase Assembly)	
19	70007791	3	Plug	
20	See Note	NSS	Capscrew M12 x 45 (Note: Purchase Separately)	
27	See Note	NSS	Plate, Valve (Note: Use Item 200)	
28	See Note	NSS	Circlip (Note: Use Item 200)	
29	See Note	NSS	Shim (Note: Use Item 200)	
30	See Note	NSS	Cylinder (Note: Use Item 200)	
31	See Note	NSS	Spring (Note: Use Item 200)	
32	See Note	NSS	Pin (Note: Use Item 200)	
33	See Note	NSS	Piston Assembly (Note: Use Item 200)	
34	See Note	NSS	Retainer (Note: Use Item 200)	
35	See Note	NSS	Shim (Note: Use Item 200)	
36	See Note	NSS	Bushing (Note: Use Item 200)	
37	See Note	NSS	Plate, Swash (Note: Use Item 300)	
38	See Note	NSS	Circlip (Note: Use Item 400)	
39	See Note	NSS	Shim (Note: Use Item 400)	
40	See Note	NSS	Bearing, Cylinder (Note: Use Item 400)	
43	See Note	NSS	O-Ring (Note: Use Item 100)	
44	70007792	1	Spring	
45	70007793	1	Bushing	
46	70007796	2	Capscrew M5 x 16	
47	See Note	NSS	Shaft (Note: Use Item 400)	
48	70007797	1	Bearing	
49	See Note	NSS	O-Ring (Note: Use Item 100)	
50	70007794	1	Spring	
51	See Note	NSS	Ball, Steel (Note: Use Item 300)	
52	See Note	NSS	Spring (Note: Use Item 300)	
53	70007795	1	Bushing	
54	70007799	1	Gasket	
100	70007802	1	Seal Kit (Includes Items 3, 6, 13, 43 & 49)	
200	70007786	1	Cylinder Assembly (Includes Items 27 - 36)	
300	70007788	1	Swash Plate Assembly (Includes Items 37, 51 & 52)	
400	70007785	1	Shaft Assembly (Includes Items 38 - 40 & 47)	

FIGURE 3-52. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 ENGINES AND DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES

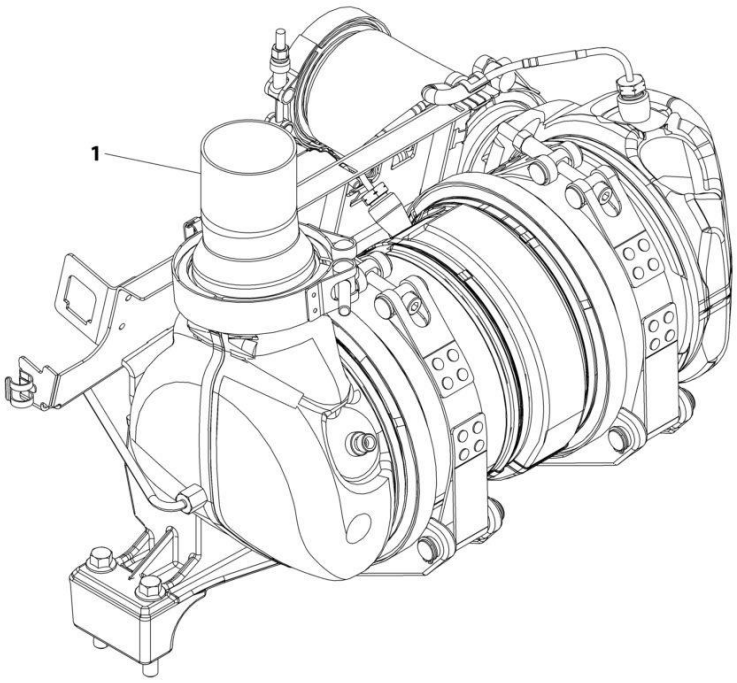


ART_1001216220

FIGURE 3-52. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 ENGINES AND DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216220	Ref	EXHAUST PIPE INSTALLATION	A
1	1001149908	1	Pipe, Exhaust	

FIGURE 3-53. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 (STAGE V) ENGINES

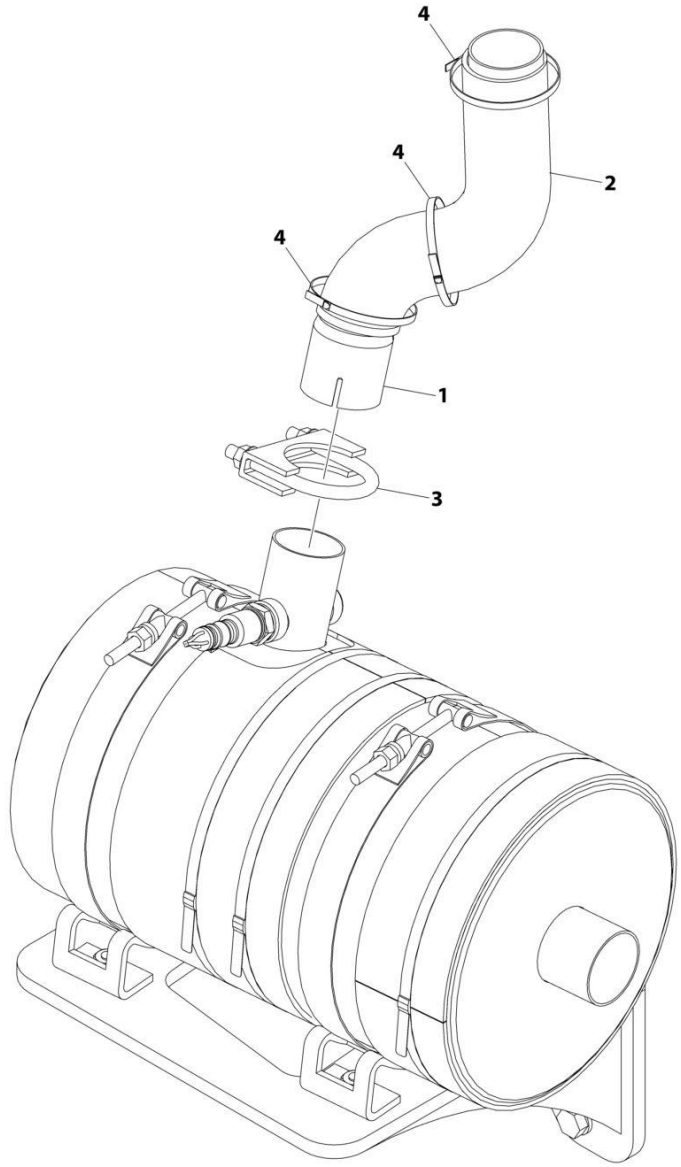


ART_1001236334

FIGURE 3-53. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236334	Ref	EXHAUST PIPE INSTALLATION	B
1	1001236335	1	Pipe, Exhaust	

FIGURE 3-54. EXHAUST PIPE INSTALLATION - FORD ENGINES

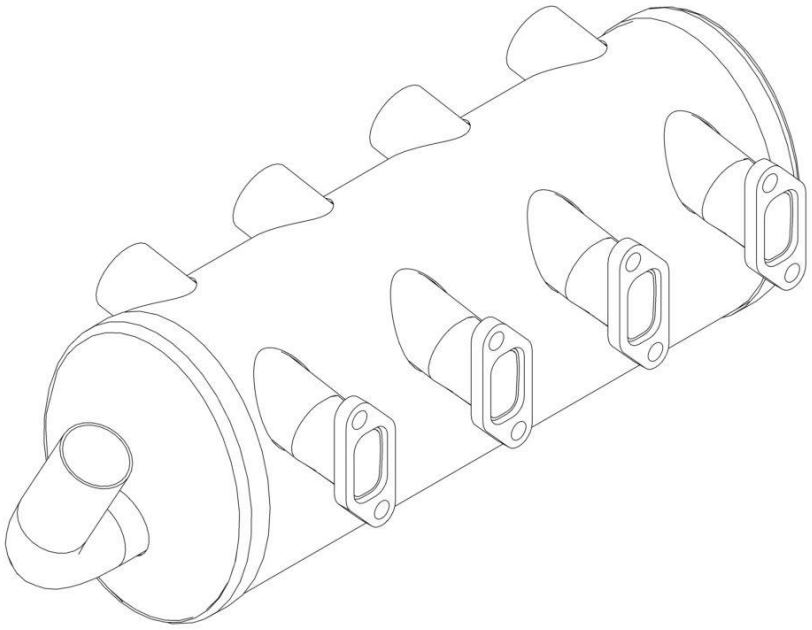


ART_1001220141

FIGURE 3-54. EXHAUST PIPE INSTALLATION - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220141	Ref	EXHAUST PIPE INSTALIATION	B
1	1001217478	1	Tail Pipe	
1	1001217477	1	Tail Pipe with Spark Arrestor	
2	1001218089	1	Insulate	
3	1001221397	1	Clamp	
4	1001100825	3	Strap	

FIGURE 3-55. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ D2011 ENGINES

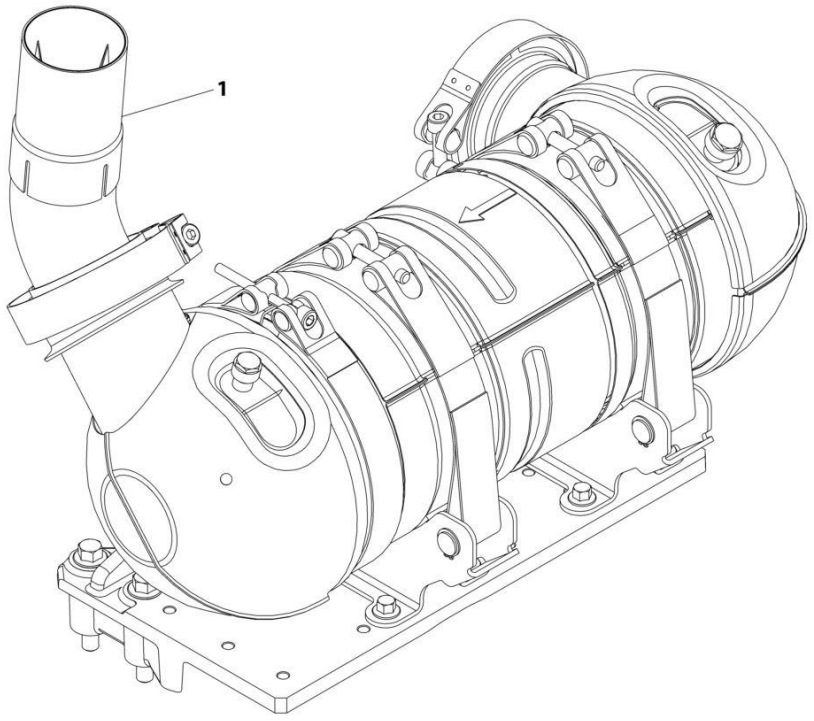


ART_1001257283

FIGURE 3-55. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257283	Ref	MUFFLER INSTALLATION SPARK ARRESTOR	A
	See Note	1	Muffler, (Note: Use P/N 1001257283)	

FIGURE 3-56. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ TD2.9L4 ENGINES

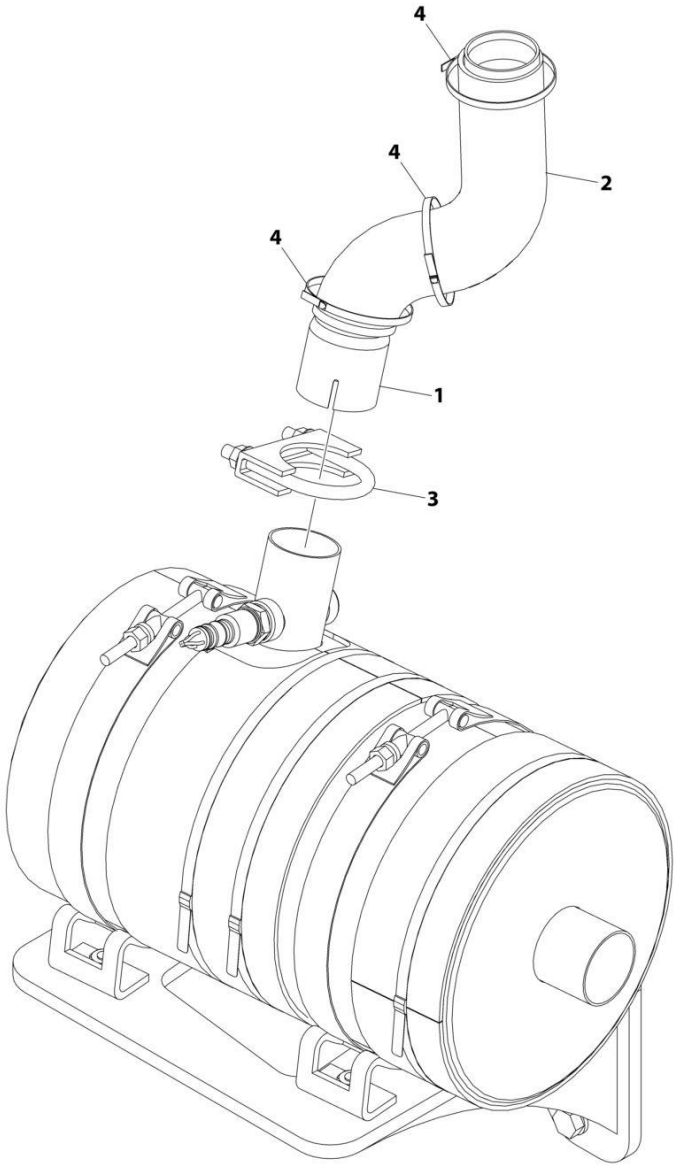


ART_1001145750

FIGURE 3-56. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001145750	Ref	EXHAUST PIPE INSTALLATION	B
1	1001145751	1	Pipe, Exhaust with Spark Arrester	

FIGURE 3-57. SPARK ARRESTOR MUFFLER INSTALLATION - FORD ENGINES



ART_1001219906

FIGURE 3-57. SPARK ARRESTOR MUFFLER INSTALLATION - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219906	Ref	EXHAUST PIPE INSTALLATION	B
1	1001217477	1	Tail Pipe	
2	1001218089	1	Insulate	
3	1001221397	1	Clamp	
4	1001100825	3	Strap	

FIGURE 3-58. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ D2011 ENGINES

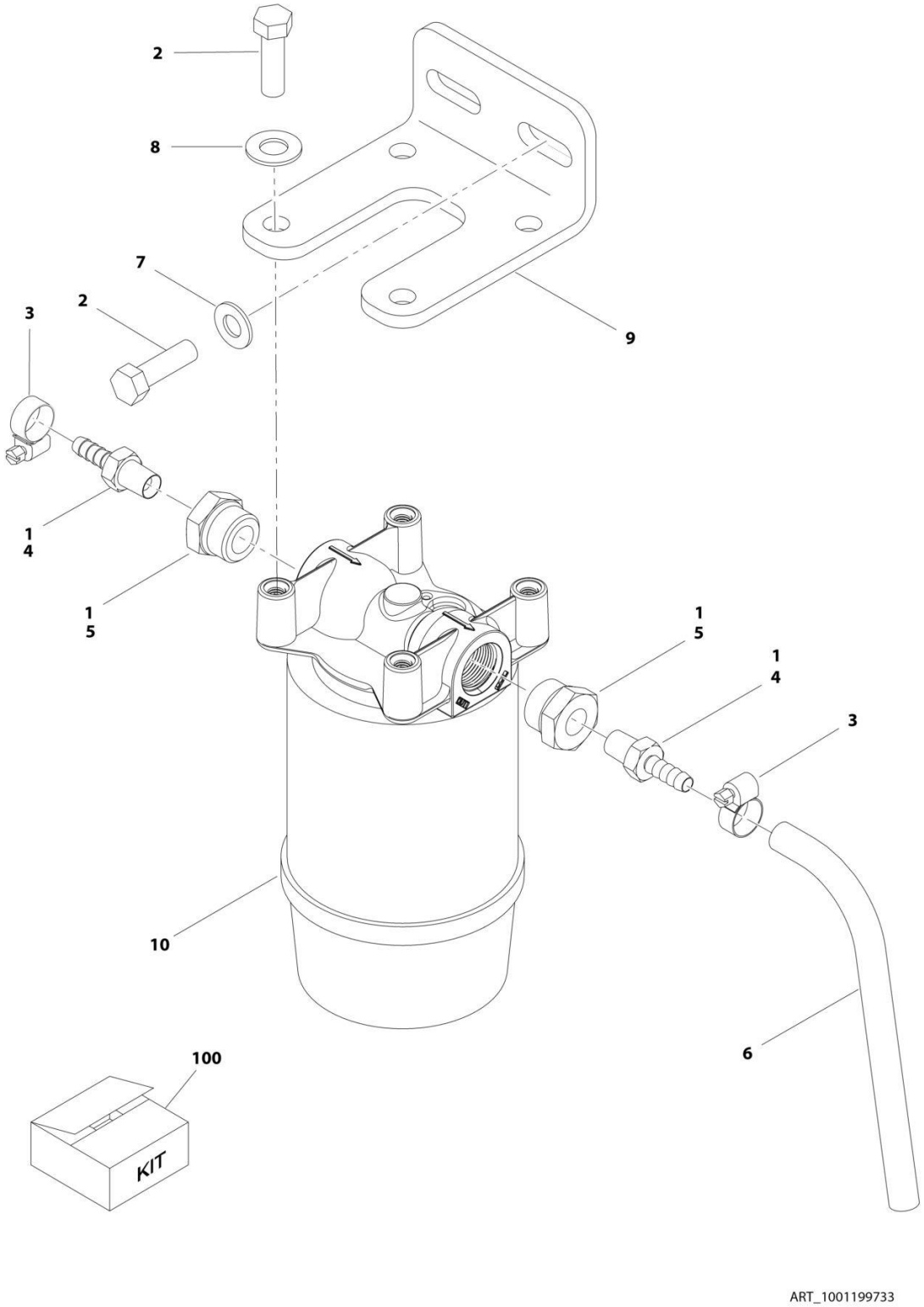
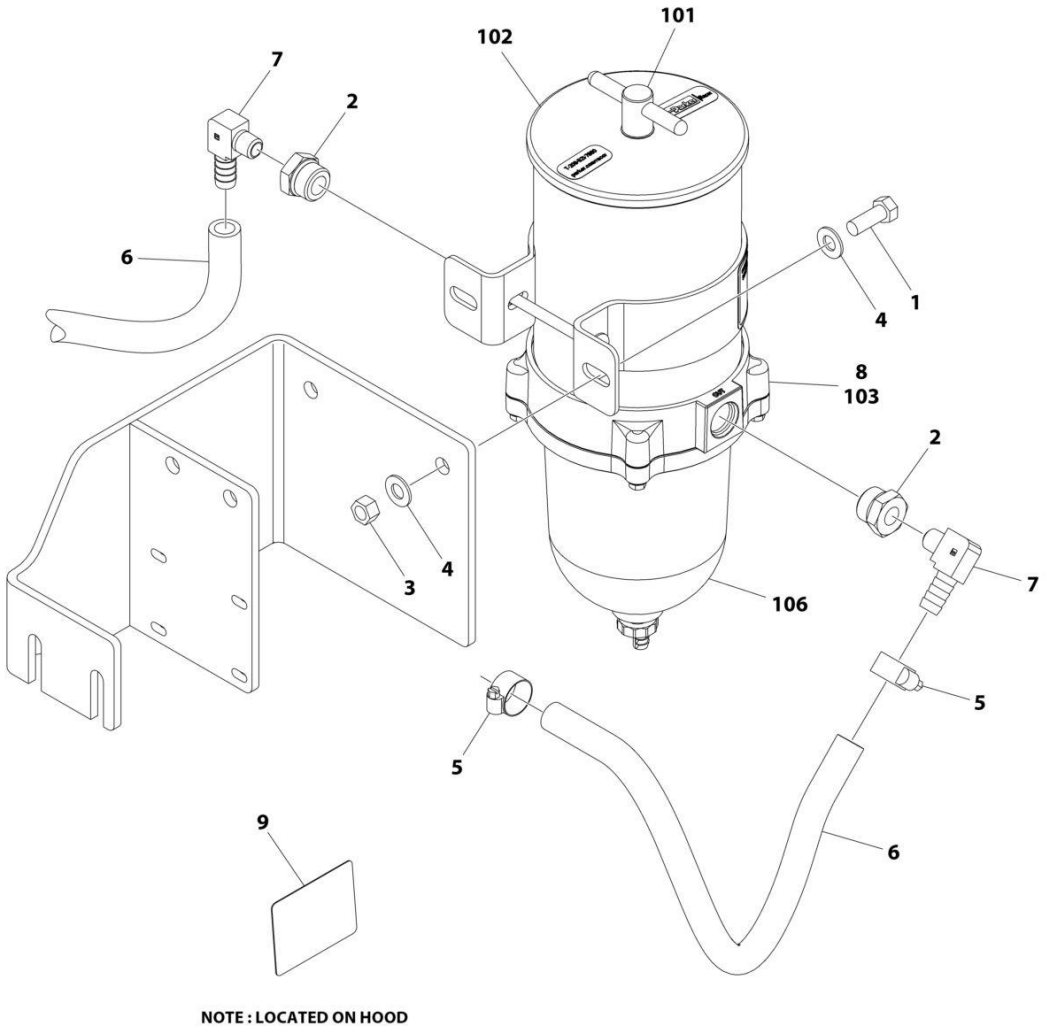


FIGURE 3-58. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001199733	Ref	FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2011 (OPTIONAL)	A
1	0100079	1	Sealant	
2	0641610	6	Bolt 3/8 X 1-1/4	
3	1320022	2	Clamp	
4	2180348	2	Fitting, Straight	
5	2220816	2	Fitting, Straight	
6	2720058	35 in/ 89cm	Hose	
7	4711600	2	Washer 3/8	
8	4711700	4	Washer 7/16	
9	1001188884	1	Bracket	
10	1001188887	1	Fuel/Water Separator Assembly	
10	1001202280	1	Head	
10	1001202281	1	Element	
100	1001204667	1	Water/Separator Add-On Kit	

FIGURE 3-59. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES



ART_1001230032

FIGURE 3-59. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230032	Ref	FUEL FILTER INSTALLATION	A
1	0641608	2	Bolt 3/8 x 1	
2	2220816	2	Fitting, Straight NPT	
3	3311605	2	Nut 3/8	
4	4711600	4	Washer 3/8	
5	8405006	2	Clamp	
6	1001154405	54 in/ 1.65m	Hose	
7	1001178797	2	Fitting, 90	
8	1001222817	1	Fuel Filter Assembly (See Items 101-107 for Breakdown)	
9	1001226923	1	Decal - Fuel Water Separator	
	1001222817	Ref	FUEL FILTER ASSEMBLY	
101	70006403	1	T-Handle Kit (Includes O-Ring)	
102	70006404	1	Lid Kit (Includes Gasket)	
103	70006405	1	Element	
104	70006406	1	Checkball & Gasket Kit (Not Shown)	
105	70006407	1	Centrifuge and Baffle Kit (Not Shown)	
106	70006409	1	Bowl Kit (Includes Gasket, O-Ring and Drain)	
106	70006408	1	Gasket, Bowl	
107	70006410	1	Bowl Ring Kit (Includes Gasket & Hardware) (Not Shown)	

FIGURE 3-60. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITHOUT GENERATORS)

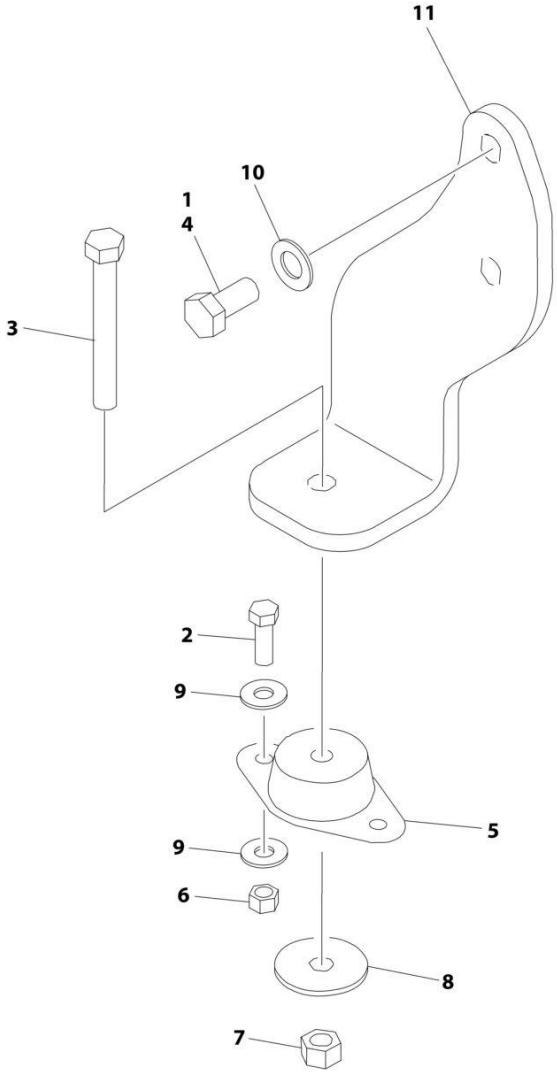


FIGURE 3-60. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITHOUT GENERATORS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151253	Ref	RIGHT ENGINE SUPPORT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641609	2	Bolt 3/8 x 1-1/8	
3	0641820	1	Bolt 1/2 x 2-1/2	
4	0711414	2	Bolt M14 x 30 Grade 10.9	
5	3200401	1	Mount, Motor	
6	3311605	2	Nut 3/8	
7	3311805	1	Nut 1/2	
8	4740274	1	Washer	
9	4751600	4	Washer 3/8	
10	4812200	2	Washer M14	
11	1001149703	1	Support, Engine (Right Front)	

FIGURE 3-61. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITH GENERATORS)

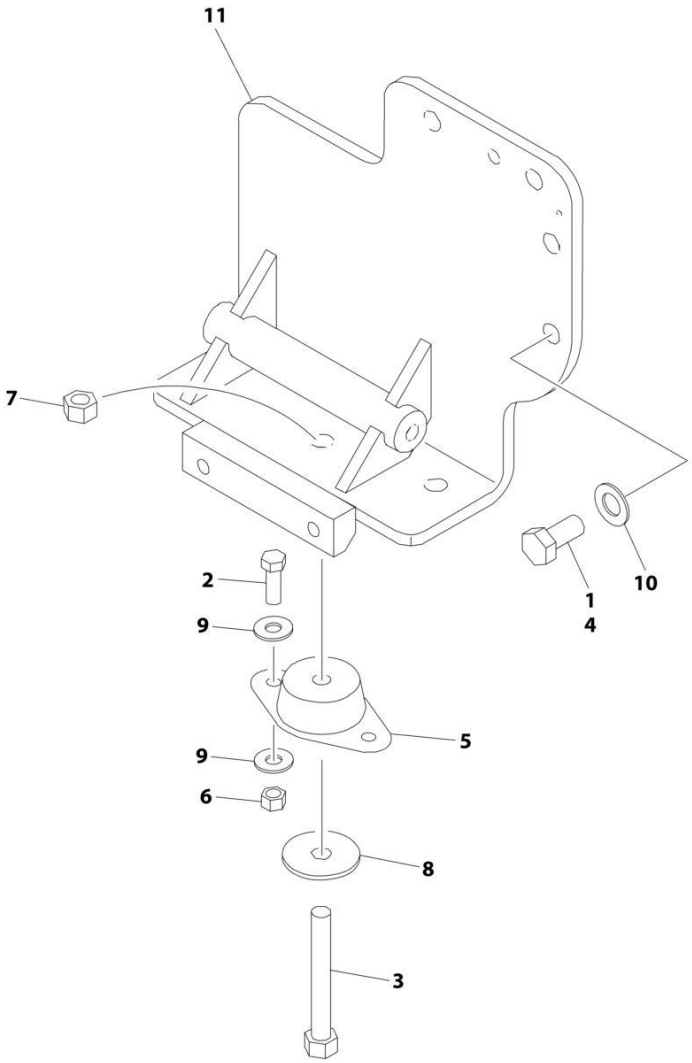


FIGURE 3-61. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITH GENERATORS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151252	Ref	RIGHT ENGINE SUPPORT INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641609	2	Bolt 3/8 x 1-1/8	
3	0641818	1	Bolt 1/2 x 2-1/2	
4	0711414	3	Bolt M14 x 30 Grade 10.9	
5	3200401	1	Mount, Motor	
6	3311605	2	Nut 3/8	
7	3311805	1	Nut 1/2	
8	4740274	1	Washer	
9	4751600	4	Washer 3/8	
10	4812200	3	Washer M14	
11	1001150890	1	Support, Engine (Right Front)	

FIGURE 3-62. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 ENGINES, DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TD2.9L4 (STAGE V) ENGINES WITH ABS HOODS

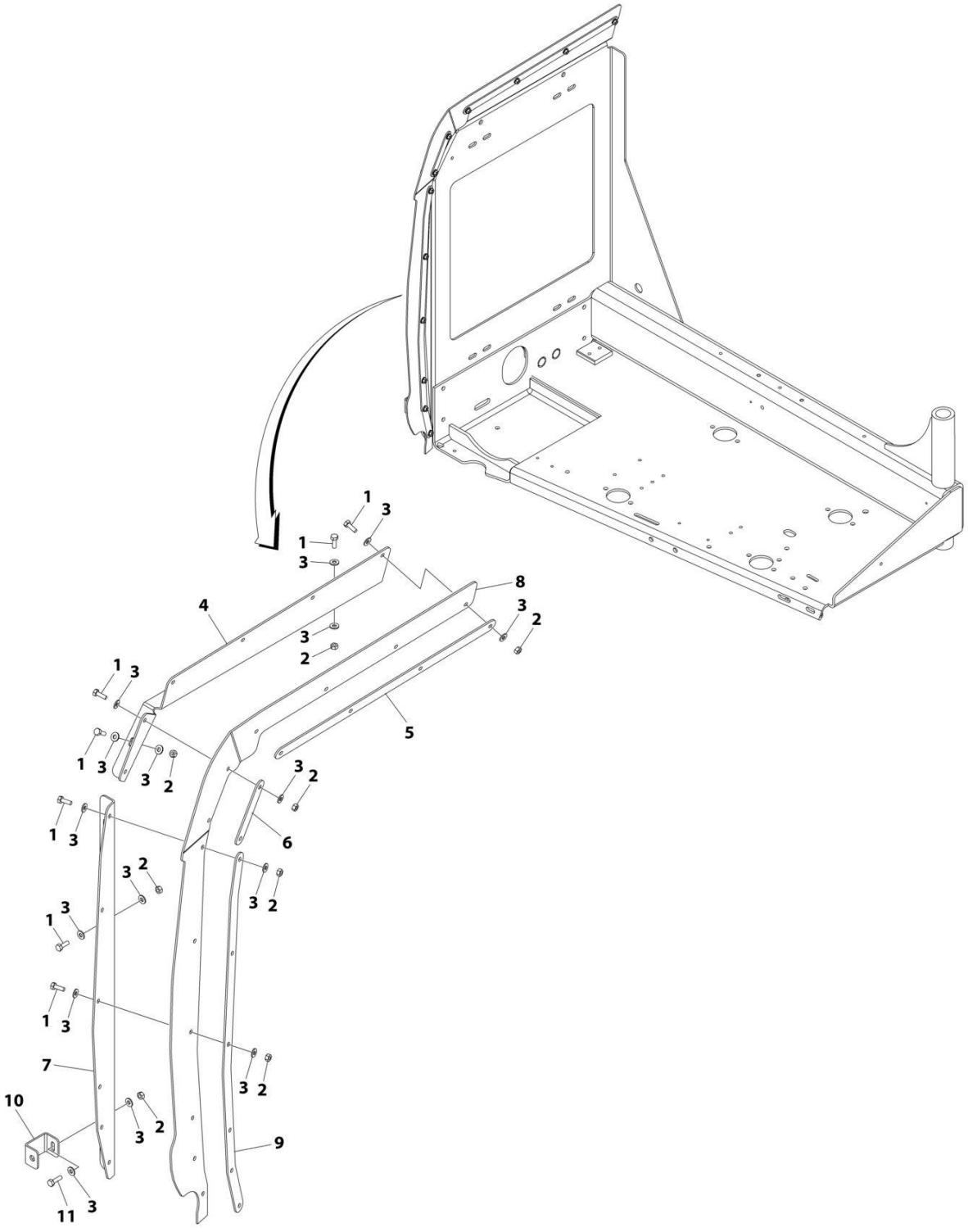


FIGURE 3-62. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 ENGINES, DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TD2.9L4 (STAGE V) ENGINES WITH ABS HOODS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001143484	Ref	BAFFLES INSTALLATION (ABS HOODS)	C
1	0641406	18	Bolt 1/4 x 3/4	
2	3311405	19	Nut 1/4	
3	4711400	38	Washer 1/4	
4	1001174745	1	Bracket	
5	1001142031	1	Bracket	
6	1001142032	1	Bracket	
7	1001143449	1	Bracket	
8	1001195967	1	Baffle	
9	1001143525	1	Bracket	
10	1001143860	1	Bracket, Bumper	
11	0641407	1	Bolt 1/4 x 78	

FIGURE 3-63. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 ENGINES WITH STEEL HOODS

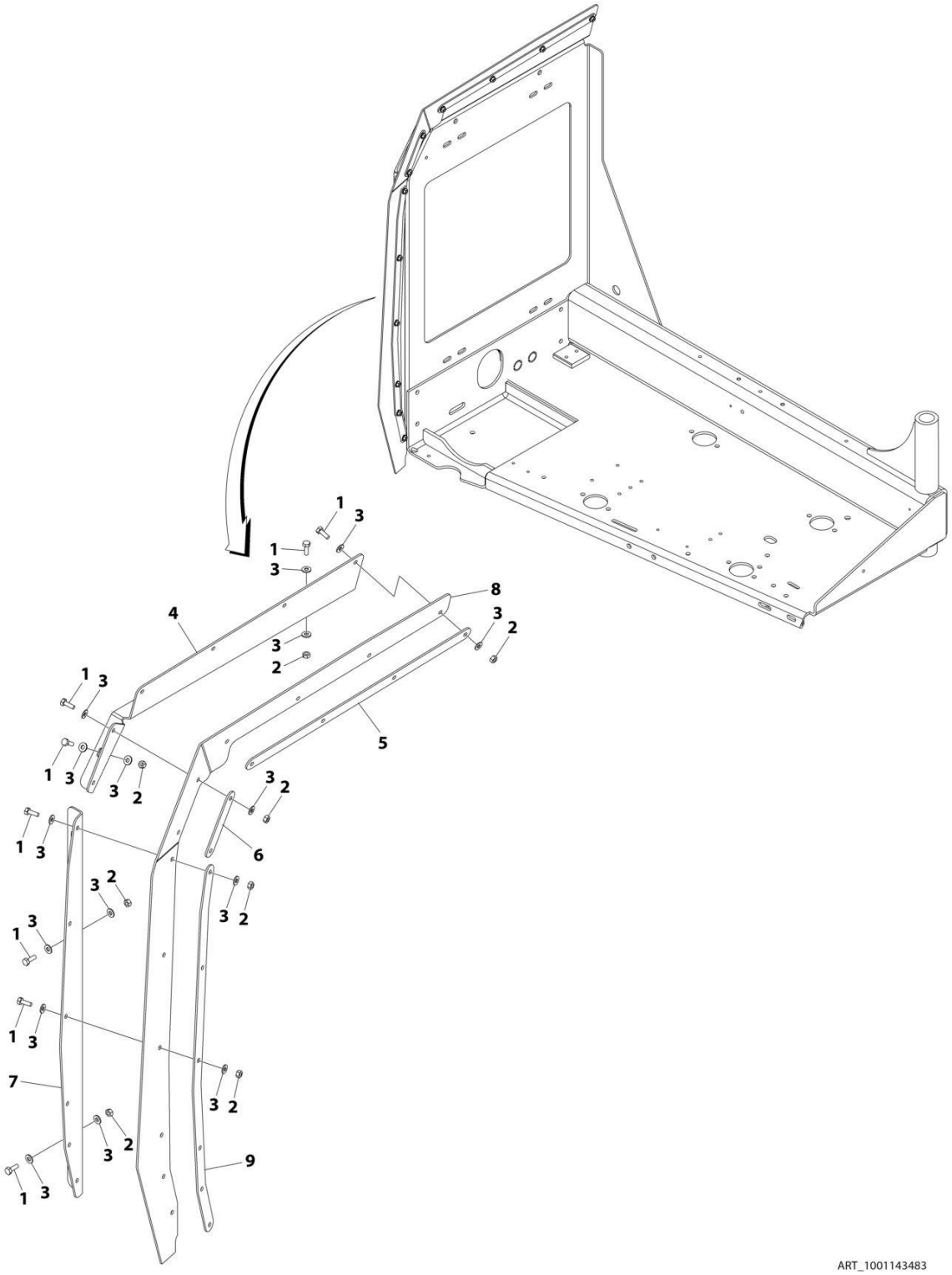


FIGURE 3-63. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 ENGINES WITH STEEL HOODS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001143483	Ref	BAFFLES INSTALLATION (STEEL HOODS)	B
1	0641406	19	Bolt 1/4 x 3/4	
2	3311405	19	Nut 1/4	
3	4711400	38	Washer 1/4	
4	1001174745	1	Bracket	
5	1001142031	1	Bracket	
6	1001142032	1	Bracket	
7	1001143449	1	Bracket	
8	1001174746	1	Baffle	
9	1001143525	1	Bracket	

FIGURE 3-64. ENGINE TRAY JACK INSTALLATION - DEUTZ ENGINES

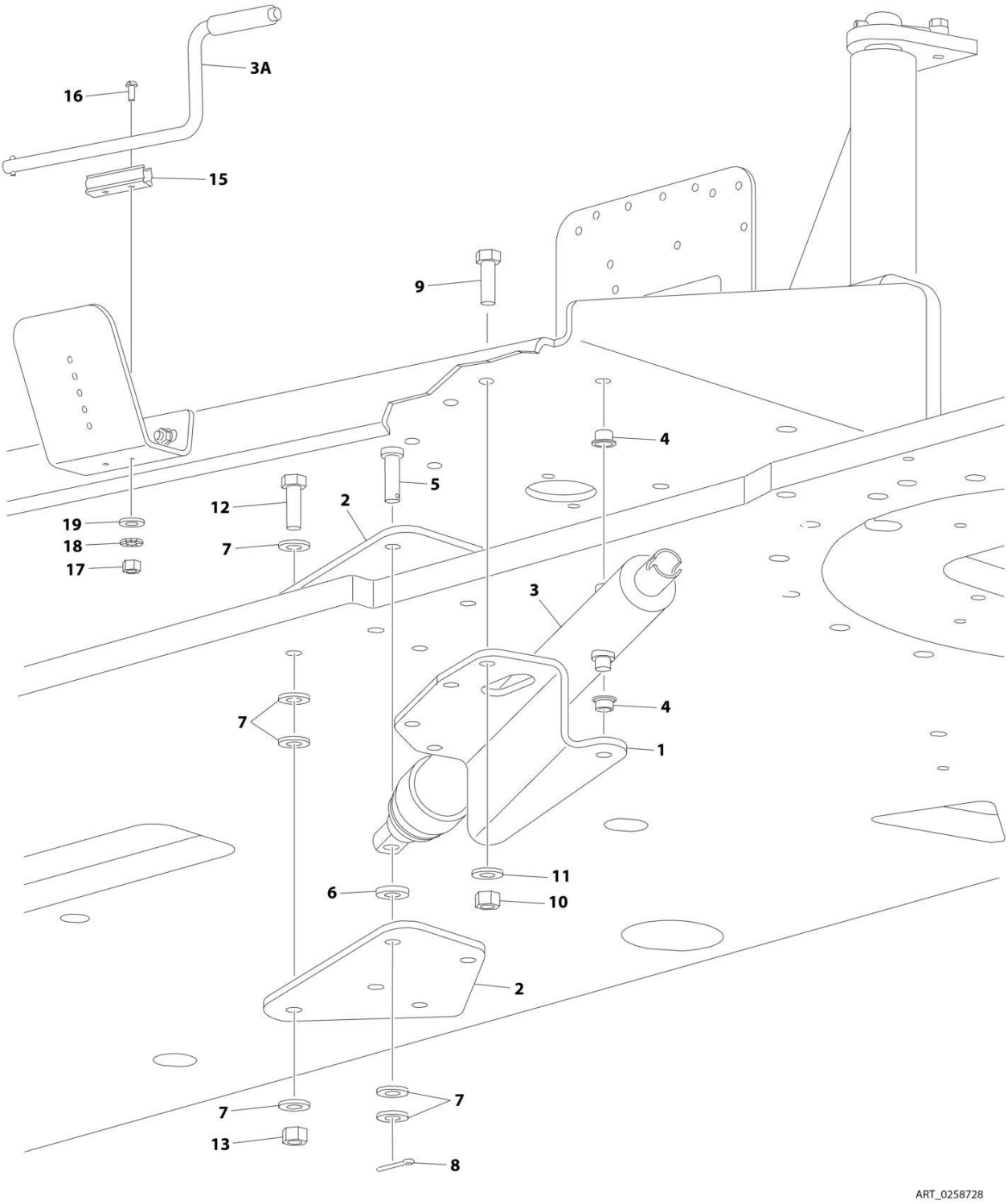


FIGURE 3-64. ENGINE TRAY JACK INSTALLATION - DEUTZ ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0258728	Ref	ENGINE TRAY JACK INSTALLATION	2-C
1	3537445	1	Bracket	
2	3537446	2	Bracket	
3	2840016	1	Jack and Handle Assembly	F
3A	7024598	1	Handle	
4	0962051	2	Bearing, Flange	
5	3430816	1	Pin, Clevis	
6	4891800	1	Washer 1/2	
7	4711800	6	Washer 1/2	
8	3450404	1	Pin, Cotter 1/8 x 1	
9	0641609	4	Bolt 3/8 x 1-1/8	
10	3311605	4	Nut 3/8	
11	4891600	4	Washer 3/8	
12	0641818	4	Bolt 1/2 x 2-1/4	
13	3311805	4	Nut 1/2	
15	1380147	1	Clip, Spring	
16	3910608	2	Screw #6 x 1	
17	3310601	2	Nut #6	
18	4770600	2	Washer #6	
19	4740119	2	Washer	

FIGURE 3-65. ENGINE TRAY JACK INSTALLATION - FORD ENGINES

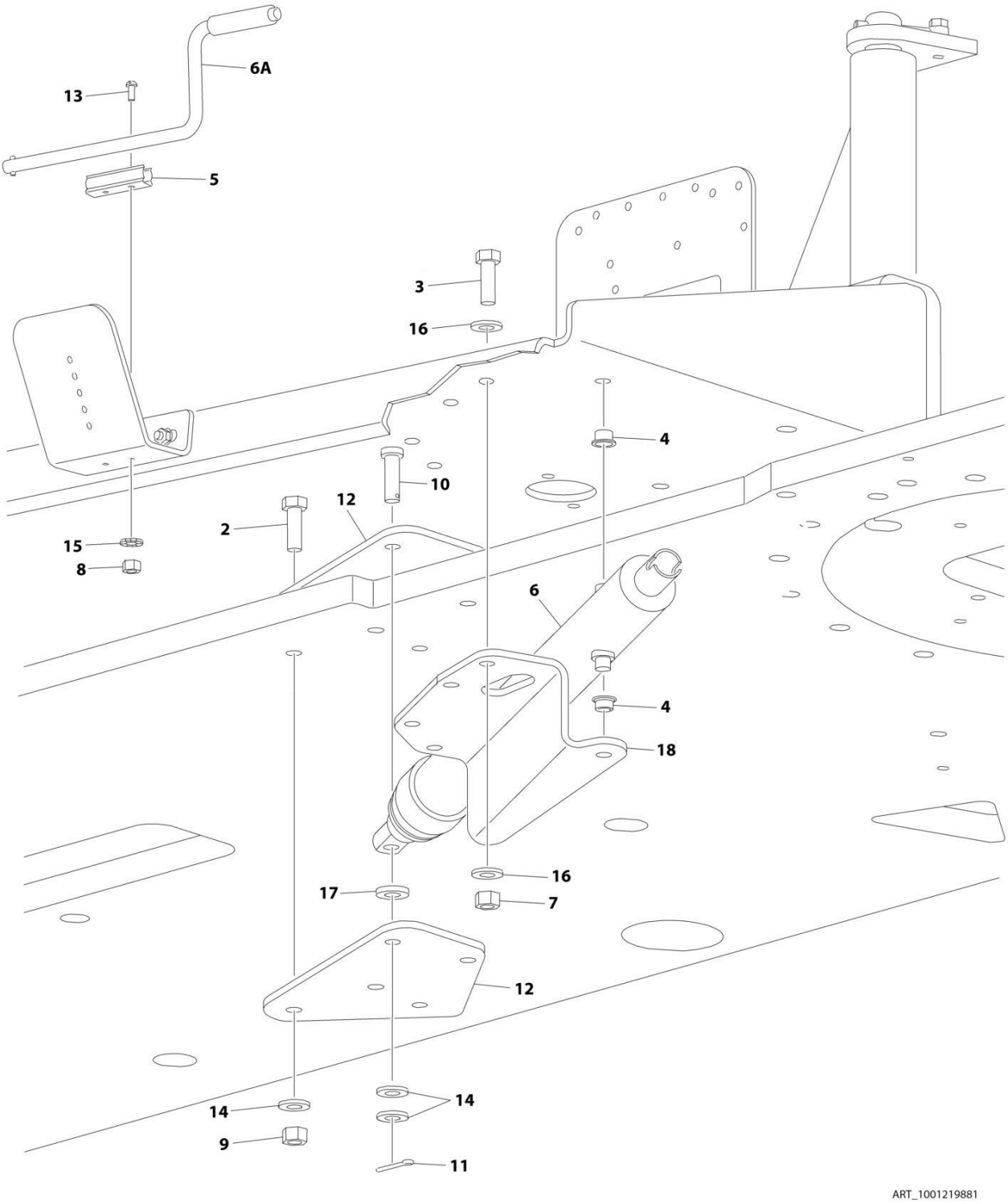


FIGURE 3-65. ENGINE TRAY JACK INSTALLATION - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219881	Ref	ENGINE TRAY JACK INSTALLATION	B
2	0641818	4	Bolt 1/2 x 2-1/4	
3	0761014	3	Bolt M10 x 30	
4	0962051	2	Bearing, Flange	
5	1380147	1	Clip, Spring	
6	2840016	1	Jack and Handle Assembly	F
6A	7024598	1	Handle	
7	3291007	3	Nut M10	
8	3310601	2	Nut #6-32	
9	3311805	4	Nut 1/2-13	
10	3430816	1	Pin, Clevis	
11	3450404	1	Pin, Cotter 1/8 x 1	
12	3537446	2	Bracket	
13	3910608	2	Screw #6-32 x 1	
14	4711800	6	Washer 1/2	
15	4770600	2	Washer #6	
16	4812000	6	Washer M10	
17	4891800	1	Washer 1/2	
18	1001218547	1	Bracket	

FIGURE 3-66. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

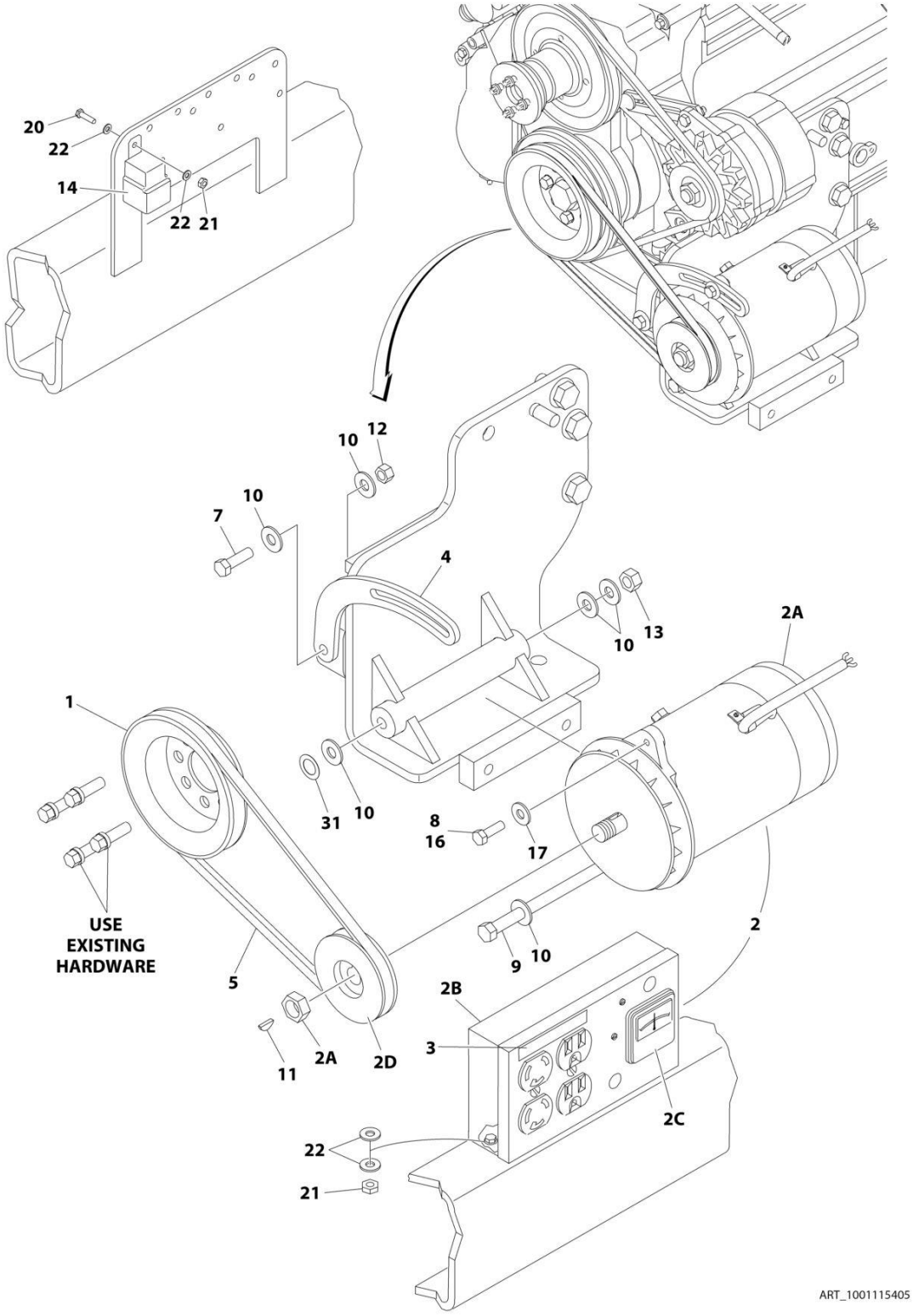


FIGURE 3-66. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115405	Ref	2500W GENERATOR INSTALLATION - 110V/60Hz	B
1	3580158	1	Pulley	
2	2460055	1	Generator and Control Box Assembly:	
2A	7012558	1	Generator Only - 110V/60Hz	
2A		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.	
2A	7026199	1	Armature with Slip Rings	
2A	7012513	4	Cap, Brush Holder	
2A	7020108	4	Brush	
2A	7020109	4	Holder, Brush	
2A	7012514	1	Fan	
2A	7020110	1	Bell, Front	
2A	7020111	1	Bell, Rear	
2A	7020190	1	Bearing	
2B	7019680	1	Box, Control	
2B		Ref	Receptacle Options:	
2B	4460190	1	Receptacle, Standard	
2B	4460027	1	Receptacle, Twistlock	
2B	4360542	1	Breaker, Circuit	
2B	3520028	1	Plug, Hole	
2C	2420203	1	Voltmeter	
2D	3580276	1	Pulley	
2D	7027887	1	Key, Woodruff	
3	3251243	1	Decal - 110V/60Hz	
4	0200742	1	Arm, Adjusting	
5	0480121	1	V-Belt	
7	0641610	1	Bolt 3/8 x 1-1/4	
8	0100011	AR	Compound, Locking	
9	0641772	1	Bolt 7/16 x 9	
10	4751600	6	Washer 3/8	
11	2860012	1	Key, Woodruff	
12	3311605	1	Nut 3/8	
13	3311705	1	Nut 7/16	
14	3740080	1	Relay	
16	0641508	1	Bolt 5/16 x 1	
17	4751500	AR	Washer 5/16	
18	1001112588	1	Wiring Diagram Components (Not Shown)	
18	1001112589	1	Generator Harness (Not Shown)	
18	4922641	1	Generator ON/OFF Switch Harness (Not Shown - Located at Platform)	
20	0721006	AR	Bolt #10 x 3/4	
21	3311005	3	Nut #10	
22	4751000	AR	Washer #10	
25	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
26	4740397	1	Bushing (Not Shown - Located at Platform)	
27	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
29	2820031	4 in/ 10cm	Heat Shrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	
31	4070585	AR	Shim	

FIGURE 3-67. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

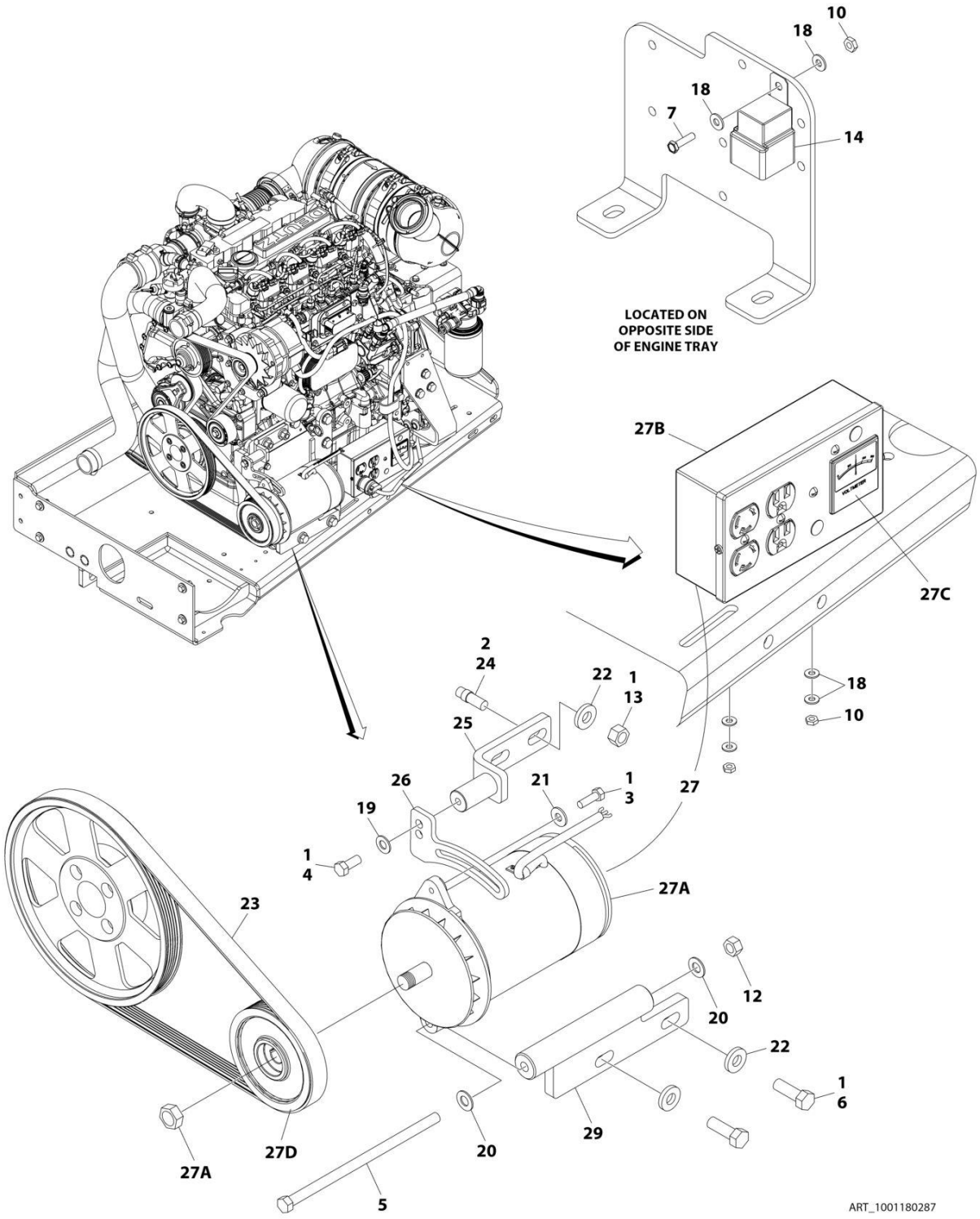


FIGURE 3-67. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180287	Ref	2500W GENERATOR INSTALLATION - DEUTZ TD2.9L4 (OPTIONAL)	C
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641508	1	Bolt 5/16 x 1	
4	0641607	1	Bolt 3/8 x 7/8	
5	0641772	1	Bolt 7/16 x 9	
6	0641812	2	Bolt 1/2 x 1-1/2	
7	0721006	1	Screw #10 x 3/4	
8	2820031	AR	Heat Shrink (Not Shown - Located at Platform)	
9	3251102	1	Name Plate - Generator On (Not Shown - Located at Platform)	
10	3311005	3	Nut #10	
12	3311705	1	Nut 7/16	
13	3311801	2	Nut 1/2	
14	3740080	1	Relay	
15	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
16	4240018	AR	Strap, Cable Tie (Not Shown)	
17	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
18	4711000	6	Washer #10	
19	4711600	1	Washer 3/8	
20	4711700	2	Washer 7/16	
21	4751500	1	Washer 5/16	
22	4891800	4	Washer 1/2	
23	1001148138	1	V-Belt	
24	1001163599	2	Stud	
25	1001216015	1	Bracket	
26	1001179837	1	Arm, Adjustment	
27	1001180001	1	Generator and Control Box Assembly	
27A	7012558	1	Generator Only - 110V/60Hz	
27A		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.	
27A	7026199	1	Armature with Slip Rings	
27A	7012513	4	Cap, Brush Holder	
27A	7020108	4	Brush	
27A	7020109	4	Holder, Brush	
27A	7012514	1	Fan	
27A	7020110	1	Bell, Front	
27A	7020111	1	Bell, Rear	
27A	7020190	2	Bearing	
27B	7019680	1	Box, Control - 110V/60Hz	
27B		Ref	Receptacle Options:	
27B	4460190	1	Receptacle, Standard (110V Only)	
27B	4460027	1	Receptacle, Twistlock (110V Only)	
27B	4360542	1	Breaker, Circuit	
27B	3520028	1	Plug, Hole	
27C	2420203	1	Voltmeter	
27D	3580276	1	Pulley	
27D	7027887	1	Key, Woodruff	
28		Ref	Wiring Diagram Components (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
28	4922641	1	Generator On/Off Switch Harness (Not Shown - Located at Platform)	
28	1001180052	1	Generator Harness (Not Shown)	
29	1001181243	1	Mount, Generator	

FIGURE 3-68. 2500W/110V/60HZ GENERATOR INSTALLATION - FORD ENGINES

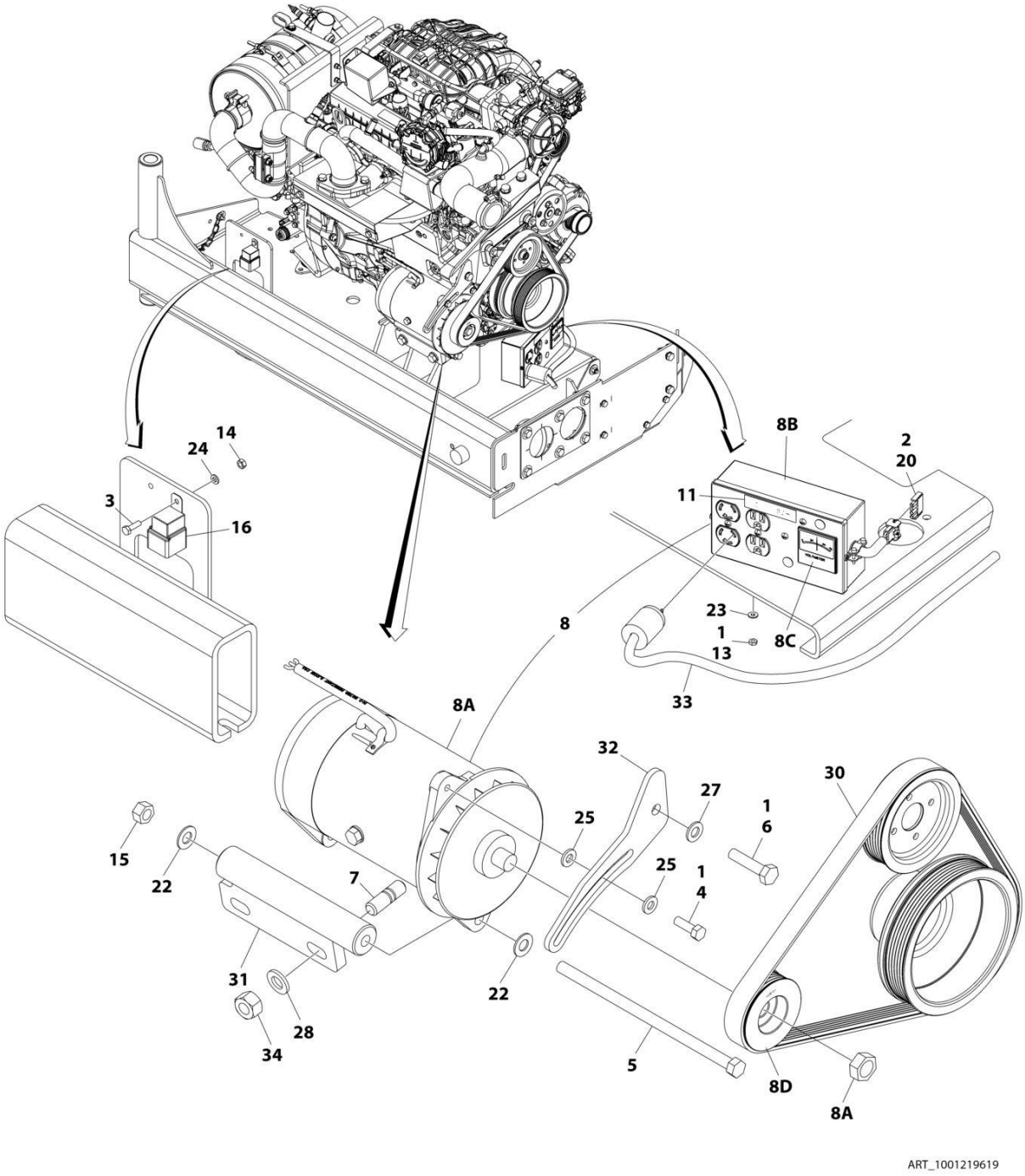


FIGURE 3-68. 2500W/110V/60HZ GENERATOR INSTALLATION - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219619	Ref	2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL)	E
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0760610	1	Bolt M6 x 20	
4	0641508	1	Bolt 5/16 x 1	
5	0641772	1	Bolt 7/16 x 9	
6	0761016	1	Bolt M10 x 40	
7	1001155041	1	Stud	
8	2460051	1	Generator and Control Box Assembly	
8A	7012558	1	Generator Only - 110V/60Hz	
		Ref	Note: Replacement Generators come standard with pin 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
8A	7026199	1	Armature with Slip Rings	
8A	7012513	4	Cap, Brush Holder	
8A	7020108	4	Brush	
8A	7020109	4	Holder, Brush	
8A	7012514	1	Fan	
8A	7020110	1	Bell, Front	
8A	7020111	1	Bell, Rear	
8A	7020190	2	Bearing	
8B	7019680	1	Box, Control - 110V/60Hz	
8B		Ref	Receptacle Options:	
8B	4460190	1	Receptacle, Standard (110V Only)	
8B	4460027	1	Receptacle, Twistlock (110V Only)	
8B	4360542	1	Breaker, Circuit	
8B	3520028	1	Plug, Hole	
8C	2420203	1	Voltmeter	
8D	3580324	1	Pulley	
8D	7027887	1	Key, Woodruff	
9	2820031	1	Heat Shrink (Not Shown - Located at Platform)	
10	3251102	1	Nameplate Generator (Not Shown - Located at Platform)	
11	3251243	1	Decal - 120V-60Hz	
13	3311005	2	Nut #10	
14	3290601	1	Nut M6	
15	3311705	1	Nut 7/16	
16	3740080	1	Relay	
17	4060802	1	Guard Switch (Not Shown - Located at Platform)	
18	4240099	AR	Tie-Strap (Not Shown)	
19	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
20	4460321	1	Plug, Male - 4 Position	
22	4711700	2	Washer 7/16	
23	4751000	2	Washer #10	
24	4811700	1	Washer M6	
25	4891500	2	Washer 5/16	
27	4812000	1	Washer M10	
28	4812200	2	Washer M14	
29		Ref	Wiring Diagram Components (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
29	4922641	1	Generator On/Off Switch Harness (Not Shown - Located at Platform)	
29	4923445	1	Generator Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
30	1001216391	1	V-Belt	
31	1001219630	1	Mount, Generator	
32	1001219632	1	Arm, Adjustment	
33	4921829	1	Harness, Inverter	
34	3291201	2	Nut M12	

FIGURE 3-69. 2500W/220V/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

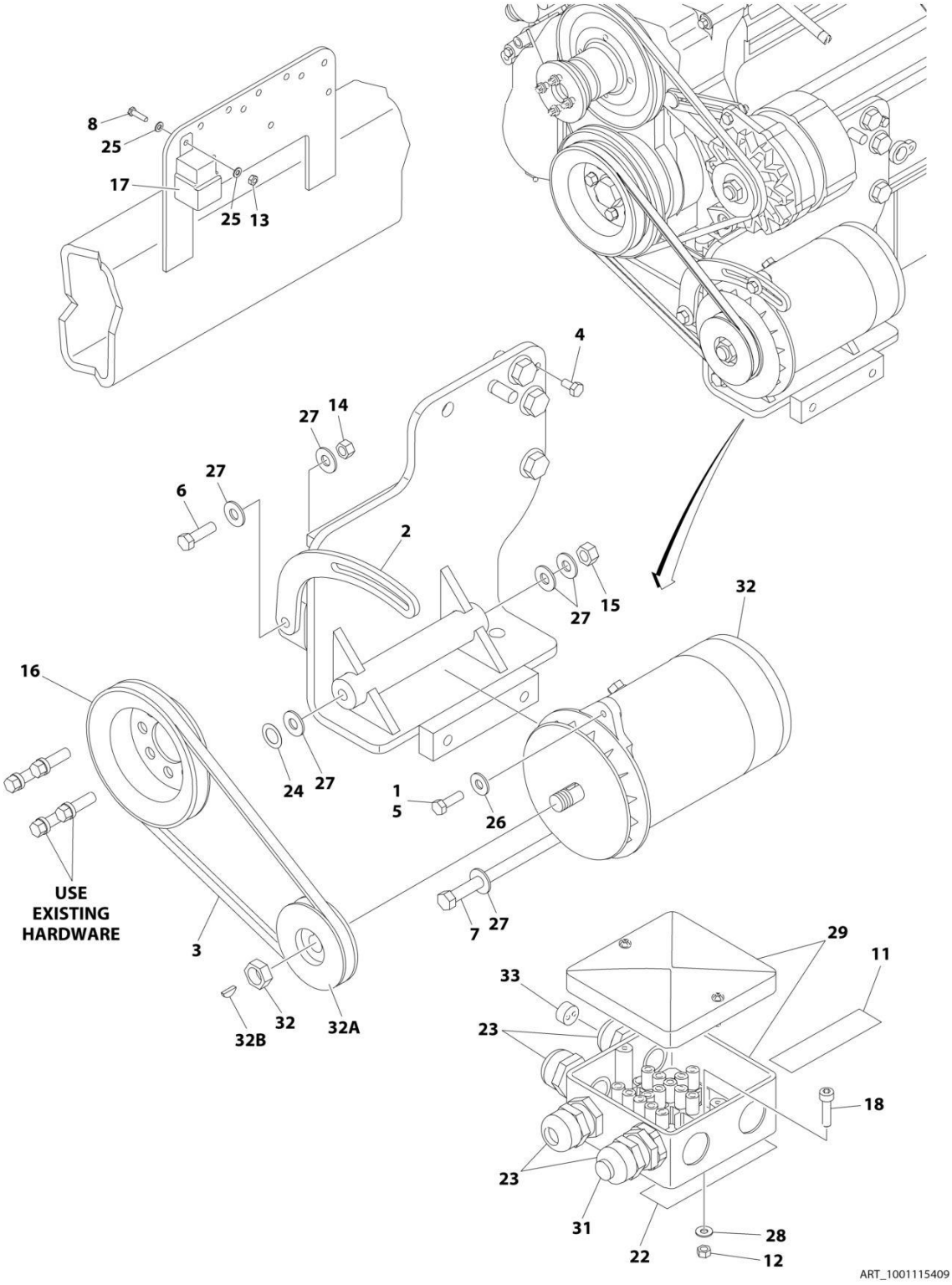


FIGURE 3-69. 2500W/220V/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115409	Ref	2500W GENERATOR INSTALLATION - 220V/50Hz	B
1	0100011	AR	Compound, Locking	
2	0200742	1	Arm, Adjusting	
3	0480121	1	V-Belt	
4	0641404	1	Bolt 1/4 x 1/2	
5	0641508	1	Bolt 5/16 x 1	
6	0641610	1	Bolt 3/8 x 1-1/4	
7	0641772	1	Bolt 7/16 x 9	
8	0721006	AR	Bolt #10 x 3/4	
9	2820031	4 in/10cm	Heat Shrink (Not Shown - Located at Platform)	
10	3251102	1	Decal (Not Shown - Located at Platform)	
11	3252507	2	Decal - 220V - 50Hz	
		Ref	Note: One Decal Not Shown - Located on the Inside of Platform Rail.	
12	3290505	1	Nut M5	
13	3311005	1	Nut #10	
14	3311605	1	Nut 3/8	
15	3311705	1	Nut 7/16	
16	3580158	1	Pulley	
17	3740080	1	Relay	
18	4031608	1	Bolt M5 x 20	
19	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
20	4240018	1	Tie Strap (Not Shown)	
21	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
22	4420060	AR	Tape, Double Coated Acrylic Foam	
23	4460968	3	Connector, Strain Relief	
24	4740397	1	Shim	
25	4751000	2	Washer #10	
26	4751500	1	Washer 5/16	
27	4751600	6	Washer 3/8	
28	4811600	1	Washer M5	
29	1001099869	1	Box, Junction	
30		Ref	Wiring Diagram Components (Not Shown)	
30	4922641	1	Generator On/Off Switch Harness (Not Shown - Located at Platform)	
30	1001112589	1	Generator Harness (Not Shown)	
31	1001100234	1	Light, Red	
32	1001100321	1	Generator	
32	70000123	1	Armature with Slip Rings	
32	7012513	4	Cap, Brush Holder	
32	7020108	4	Brush	
32	7020109	4	Holder, Brush	
32	7012514	1	Fan	
32	7020110	1	Bell, Front	
32	7020111	1	Bell, Rear	
32	7020190	1	Bearing	
32A	3580134	1	Pulley - 50Hz	
32B	7027887	1	Key, Woodruff	
33	0962449	1	Bushing	

FIGURE 3-70. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

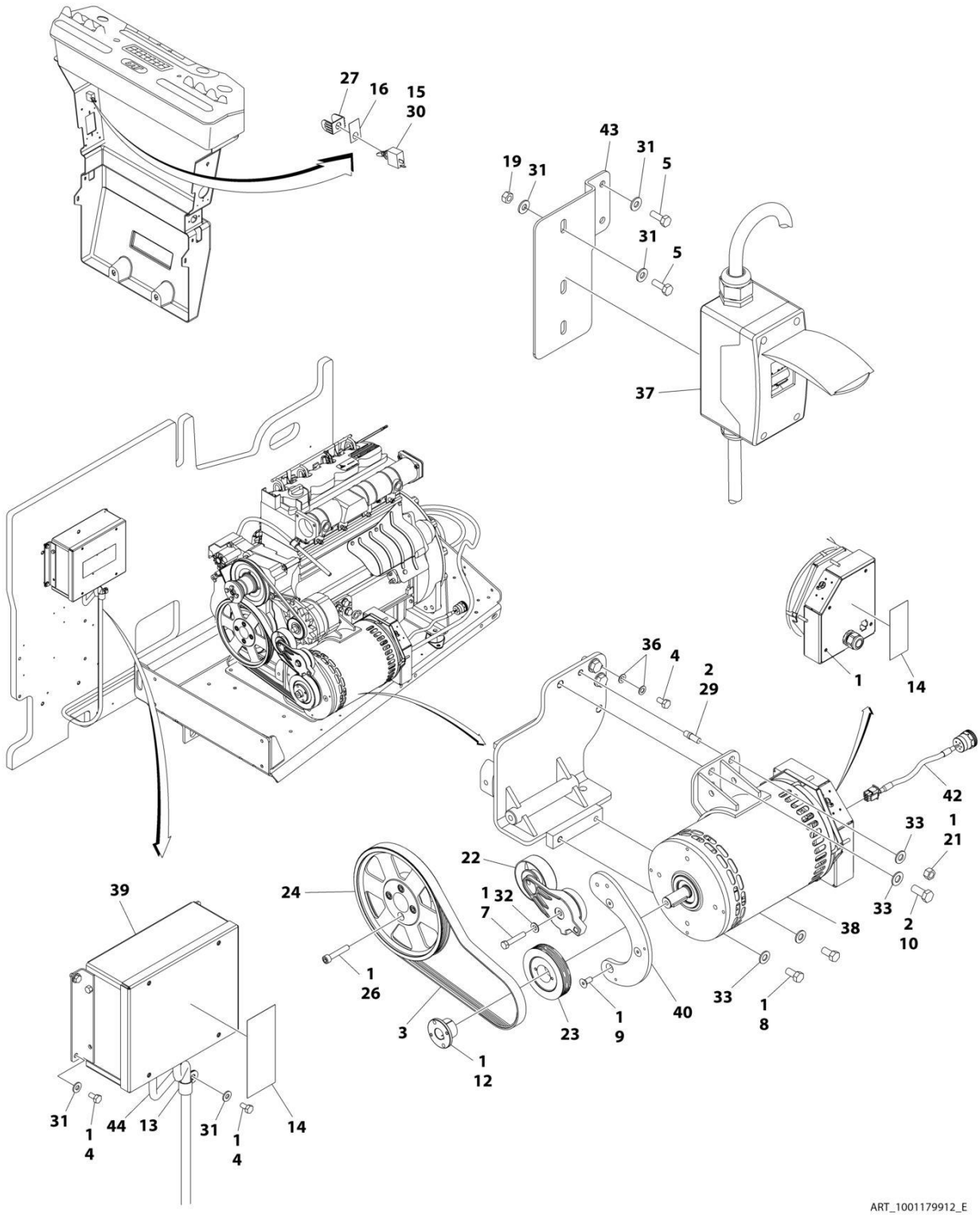


FIGURE 3-70. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179912	Ref	4000W/50Hz GENERATOR INSTALLATION - DEUTZ D2011 ENGINES	E
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0480126	1	Belt, Generator (50Hz)	
4	0641404	6	Bolt 1/4 x 1/2	
5	0641406	1	Bolt 1/4 x 3/4	
7	0641616	1	Bolt 3/8 x 2	
8	0641808	2	Bolt 1/2 x 1	
9	0741607	3	Screw 3/8 x 7/8	
10	0771415	1	Bolt M14 x 35	
12	0962520	1	Bushing, Split	
13	1320318	1	Clamp	
14	1705489	1	Decal - Hazardous Voltage	
15	2820031	0.33 ft /0.1m	Heat Shrink	
16	3251102	1	Nameplate - Generator	
19	3311405	1	Nut 1/4	
21	3311801	1	Nut 1/2	
22	3580317	1	Tensioner, Belt with Pulley	
23	3580319	1	Pulley, Generator	
24	3580320	1	Pulley, Engine	
26	4032015	4	Capscrew M10 x 55	
27	4060802	1	Guard, Switch	
28	4240018	AR	Tie-Strap (Not Shown)	
29	4300157	1	Stud	
30	4360336	1	Switch, Toggle	
31	4711400	11	Washer 1/4	
32	4711600	1	Washer 3/8	
33	4711800	3	Washer 1/2	
36	4791400	2	Washer 1/4	
37	1001165368	1	Breaker Box Kit (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
38	1001138565	1	Generator Assembly (50Hz)	
38	70003709	1	Ring, Retaining (External)	
38	70003708	1	Ring, Retaining (Internal)	
38	70001966	1	Bearing	
38	70004092	1	Endbell (Shaft End)	
38	70004171	1	Key	
38	70004676	1	Rotor	
38	70004677	1	Stator (50Hz)	
38	70004678	1	Endbell (Rear)	
38	70004679	1	Cover, Endbell (Rear)	
38	70004680	1	Enclosure, Wiring	
38	70004681	1	Cover, Enclosure (50Hz)	
38	70004682	1	Switch, Reset (Located on Enclosure Cover)	
38	70004683	1	Connector, Strain Relief (50Hz) (Located on Enclosure Cover)	
39	1001138566	1	Control Box Assembly	
39	70006552	1	Capacitor	
39	70006553	1	Relay	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	1001139357	1	Mount, Tensioner	
42	1001152532	1	Generator to Control Box, Harness (See Separate Breakdown in ELECTRICAL SECTION)	
43	1001177035	1	Bracket	
44	1001153197	1	Generator Control Box to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-71. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES, DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TD2.9L4 (STAGE V) ENGINES

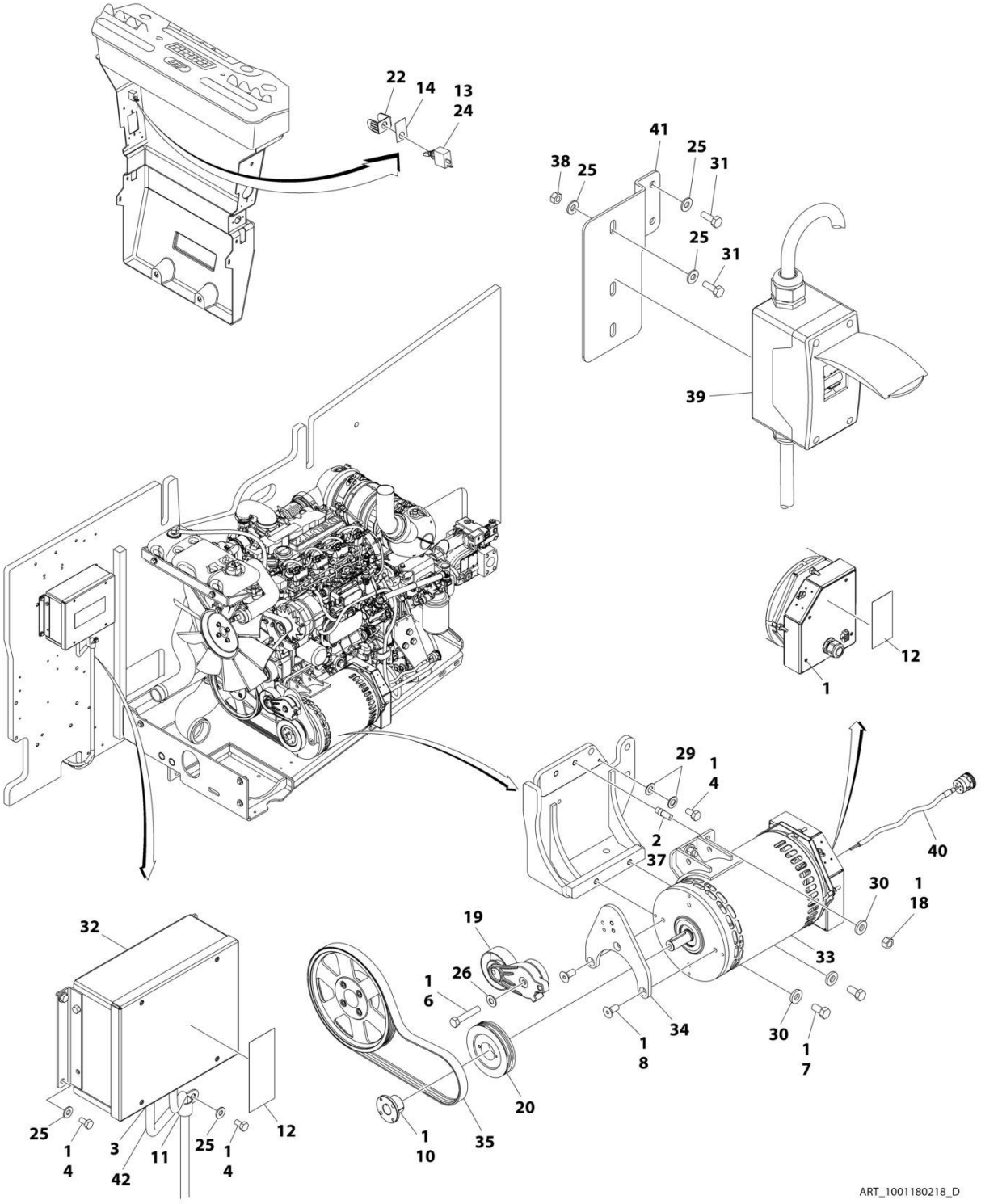


FIGURE 3-71. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES, DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180218	1	4000W/Hz GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES	D
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease Dielectric	
4	0641404	6	Bolt 1/4 x 1/2	
6	0641616	1	Bolt 3/8 x 2	
7	0641808	2	Bolt 1/2 x 1	
8	0741607	3	Screw 3/8 x 7/8	
10	0962520	1	Bushing, Split	
11	1320318	1	Clamp	
12	1705489	2	Decal - Hazardous Voltage	
13	2820031	0.33 ft /0.1m	Heat Shrink	
14	3251102	1	Nameplate, Generator	
18	3311801	2	Nut 1/2	
19	3580317	1	Tensioner, Belt with Pulley	
20	3580319	1	Pulley, Generator	
22	4060802	1	Guard, Switch	
23	4240018	AR	Tie-Strap (Not Shown)	
24	4360336	1	Switch, Toggle	
25	4711400	11	Washer 1/4	
26	4711600	1	Washer 3/8	
29	4791400	2	Washer 1/4	
30	4891800	4	Washer 1/2	
31	0641406	4	Bolt 1/4 x 3/4	
32	1001138566	1	Control Box Assembly	
32	70006552	1	Capacitor	
32	70006553	1	Relay	
33	1001140347	1	Generator Assembly	
33	70003709	1	Ring, Retaining (External)	
33	70003708	1	Ring, Retaining (Internal)	
33	70001966	1	Bearing	
33	70004092	1	Endbell (Shaft End)	
33	70004099	1	Key	
33	70004676	1	Rotor	
33	70004686	1	Stator	
33	70004678	1	Endbell (Rear)	
33	70004679	1	Cover, Endbell (Rear)	
33	70004680	1	Enclosure, Wiring	
33	70004681	1	Cover, Enclosure	
33	70004682	1	Switch, Reset (Located on Enclosure Cover)	
33	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
33	4460224	1	Connector - 6 Position (Located on Enclosure Cover)	
33	4460294	2	Pin, Male (Located on Enclosure Cover)	
34	1001142643	1	Support, Tensioner	
35	1001142645	1	Belt, Generator	
37	1001163599	2	Stud	
38	3311405	4	Nut 1/4	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	1001165368	1	Breaker Box Kit (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
40	1001152532	1	Genarator to Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
41	1001177035	1	Bracket	
42	1001153259	1	Generator Control Box to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-72. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

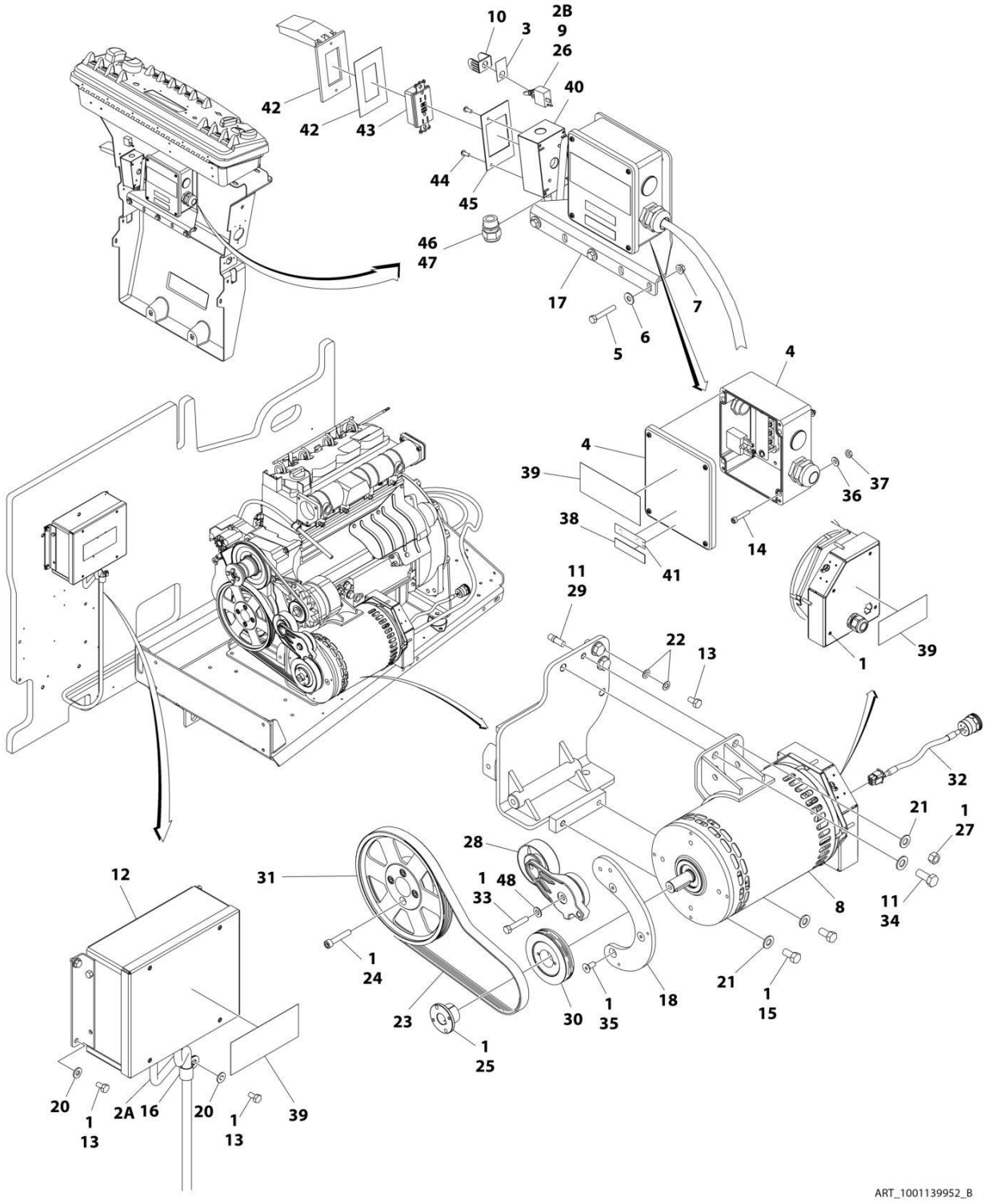


FIGURE 3-72. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139952	Ref	4000W/60Hz GENERATOR INSTALLATION - DEUTZ D2011 ENGINES	B
1	0100011	AR	Compound, Locking	
2		Ref	Wiring Diagram Components (Not Shown)	
2A	1001153197	1	Generator Control Box to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION)	
2B	4462641	1	Generator On/Off Switch Harness	
3	3251102	1	Nameplate - Generator	
4	1001152457	1	Junction Box Assembly	
4	3300396	1	Cover, Breaker	
4	4360070	1	Breaker, Circuit - 15Amp	
4	4460425	1	Connector, Strain Relief (LH Side)	
4	4460426	1	Connector, Strain Relief (RH Side)	
5	0641516	3	Bolt 5/16 x 2	
6	4751500	3	Washer 5/16	
7	3311508	3	Nut 5/16	
8	1001129858	1	Generator Assembly	
8	70003709	1	Ring, Retaining (External)	
8	70003708	1	Ring, Retaining (Internal)	
8	70001966	1	Bearing	
8	70004092	1	Endbell (Shaft End)	
8	70004171	1	Key	
8	70004676	1	Rotor	
8	70004684	1	Stator	
8	70004678	1	Endbell (Rear)	
8	70004679	1	Cover, Endbell (Rear)	
8	70004680	1	Enclosure, Wiring	
8	70004685	1	Cover, Enclosure	
8	70004682	1	Switch, Reset (Located on Enclosure Cover)	
8	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
9	4360336	1	Switch, Toggle	
10	4060802	1	Guard, Switch	
11	0100019	AR	Compound, Locking	
12	1001138566	1	Control Box Assembly	
12	70006552	1	Capacitor	
12	70006553	1	Relay	
13	0641404	6	Bolt 1/4 x 1/2	
14	3931016	4	Capscrew #10 x 1	
15	0641808	2	Bolt 1/2 x 1	
16	1320318	1	Clamp	
17	0902888	1	Bracket	
18	1001139357	1	Mount, Tensioner	
19	4240018	AR	Tie-Strap (Not Shown)	
20	4711400	5	Washer 1/4	
21	4711800	3	Washer 1/2	
22	4791400	2	Washer 1/4	
23	0480129	1	Belt, Generator	
24	4032015	4	Capscrew M10 x 55	
25	0962520	1	Bushing, Split	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
26	2820031	0.33 ft /0.1m	Heat Shrink	
27	3311801	1	Nut 1/2	
28	3580317	1	Tensioner, Belt with Pulley	
29	4300157	1	Stud	
30	3580318	1	Pulley, Generator	
31	3580320	1	Pulley, Engine	
32	1001152532	1	Generator to Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
33	0641616	1	Bolt 3/8 x 2	
34	0771415	1	Bolt M14 x 35	
35	0741607	3	Screw 3/8 x 7/8	
36	4751000	4	Washer #10	
37	3311005	4	Nut #10	
38	1705374	1	Decal - 240V	
39	1705387	3	Decal - Hazardous Voltage	
40	0860038	1	Box, Switch - Weatherhead	
41	3251243	1	Decal - 120V	
42	1001110873	1	Cover, Receptacle	
43	4460346	1	Receptacle	
44	3910606	4	Screw #6 x 3/8	
45	3960422	1	Gasket	
46	0100020	AR	Sealant #567	
47	4460071	1	Connector	
48	4711600	1	Washer 3/8	

FIGURE 3-73. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

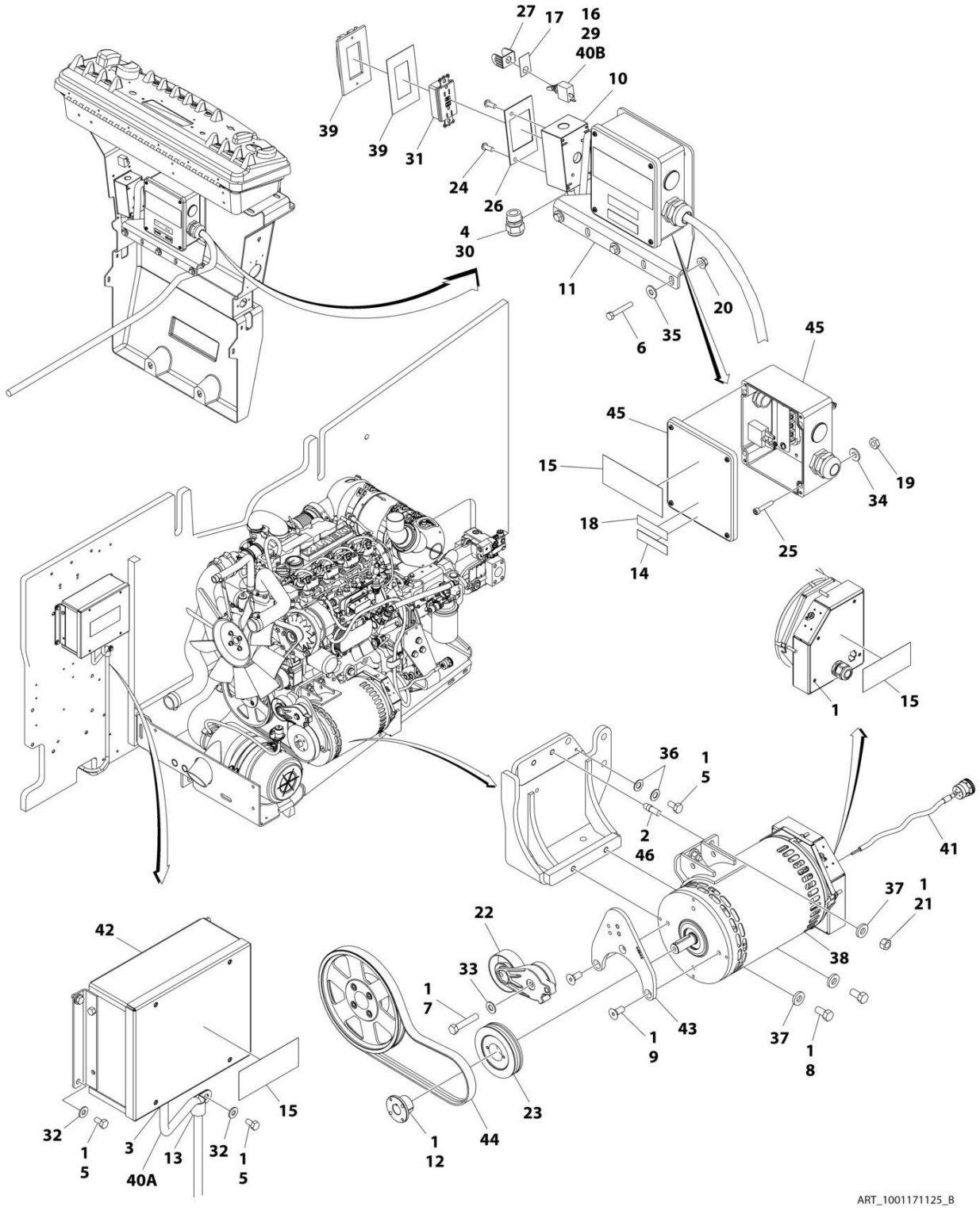


FIGURE 3-73. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171125	1	4000W/60hHz GENERATOR INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease Dielectric	
4	0100079	AR	Sealant	
5	0641404	6	Bolt 1/4 x 1/2	
6	0641516	3	Bolt 5/16 x 2	
7	0641616	1	Bolt 3/8 x 2	
8	0641808	2	Bolt 1/2 x 1	
9	0741607	3	Screw 3/8 x 7/8	
10	0860038	1	Box, Switch	
11	0902888	1	Bracket, Junction Box	
12	0962520	1	Bushing, Split	
13	1320318	1	Clamp	
14	1705374	1	Decal - 240V	
15	1705387	3	Decal - Hazardous Voltage	
16	2820031	0.33 ft /0.1m	Heat Shrink	
17	3251102	1	Nameplate, Generator	
18	3251243	1	Decal - 120V	
19	3311005	4	Nut #10	
20	3311508	3	Nut 5/16	
21	3311801	2	Nut 1/2	
22	3580317	1	Tensioner, Belt with Pulley	
23	3580318	1	Pulley, Generator	
24	3910606	4	Screw 6 x 3/8	
25	3931016	4	Capscrew #10 x 1	
26	3960422	1	Gasket, AC Receptacle	
27	4060802	1	Guard, Switch	
28	4240018	AR	Tie-Strap (Not Shown)	
29	4360336	1	Switch, Toggle	
30	4460071	1	Connector, Strain Relief	
31	4460346	1	Receptacle	
32	4711400	5	Washer 1/4	
33	4711600	1	Washer 3/8	
34	4751000	4	Washer #10	
35	4751500	3	Washer 5/16	
36	4791400	2	Washer 1/4	
37	4891800	4	Washer 1/2	
38	1001140346	1	Generator Assembly	
38	70003709	1	Ring, Retaining (External)	
38	70003708	1	Ring, Retaining (Internal)	
38	70001966	1	Bearing	
38	70004092	1	Endbell (Shaft End)	
38	70004099	1	Key	
38	70004676	1	Rotor	
38	70004687	1	Stator	
38	70004678	1	Endbell (Rear)	
38	70004679	1	Cover, Endbell (Rear)	
38	70004680	1	Enclosure, Wiring	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
38	70004685	1	Cover, Enclosure	
38	70004682	1	Switch, Reset (Located on Enclosure Cover)	
38	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
39	1001110873	1	Cover, Receptacle	
40		Ref	Wiring Diagram Components (Not Shown)	
40A	1001153259	1	Generator Control Box to Engine Harness (See Separate Breakdwon in ELECTRICAL SECTION)	
40B	4922641	1	Generator On/Off Switch Harness	
41	1001152532	1	Generator to Control Box (See Separate Breakdown in ELECTRICAL SECTION)	
42	1001138566	1	Control Box Assembly	
42	70006552	1	Capacitor	
42	70006553	1	Relay	
43	1001142643	1	Support, Tensioner	
44	1001142646	1	Belt, Generator	
45	1001152457	1	Junction Box Assembly	
45	3300396	1	Cover, Breaker	
45	4360070	1	Breaker, Circuit - 15Amp	
45	4460425	1	Connector, Strain Relief (LH Side)	
45	4460426	1	Connector, Strain Relief (RH Side)	
46	1001163599	2	Stud	

FIGURE 3-74. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

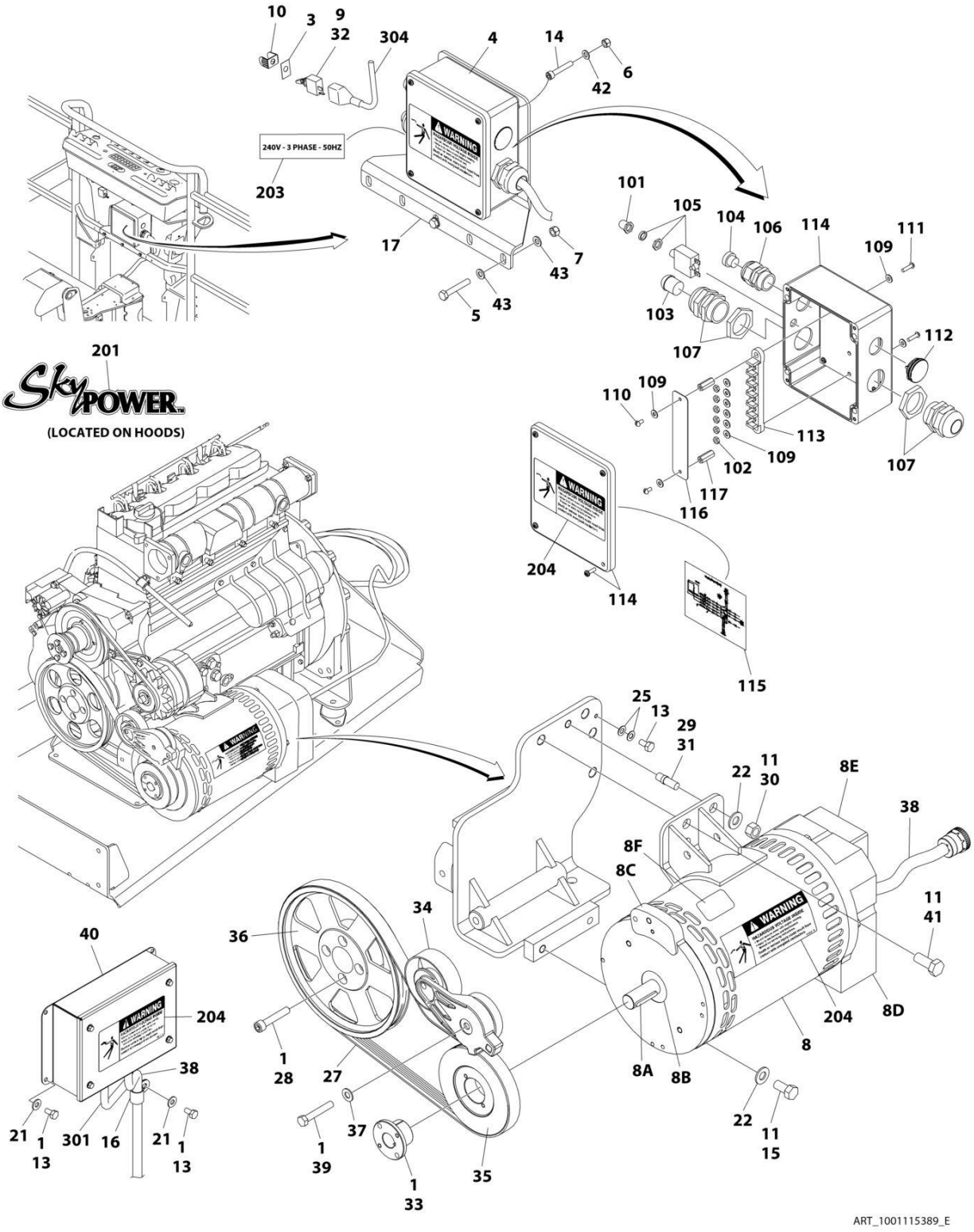


FIGURE 3-74. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115389	Ref	7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINE MACHINES	E
1	0100011	AR	Compound, Locking	
3	3252764	1	Nameplate	
4	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
5	0641516	3	Bolt 5/16 x 2	
6	3311005	4	Nut #10	
7	3311508	3	Nut 5/16	
8	2460048	1	Generator Assembly (Deutz D2011 Engines)	
8	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
8	70001384	1	Bearing, Ball Radial (Not Shown):	
8	70000863	1	Fan (Not Shown)	
8	70002088	1	Stator	
8	70002297	1	Stud	
8	7024484	NLA	Brushholder Assembly (Not Shown) (Use p/n 70003631)	
8A	7024561	NLA	Key	
8B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
8B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
8B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
8C	70001953	1	Endbell, Belt Tensioner	
8D	70001385	NLA	Endbell, Brush Block (use p/n 70004169)	
8E	70002290	NLA	Shroud (Use p/n 70004169)	
8E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
8E	7027799	1	Block, Connector 6 Position (Not Shown)	
8E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
8E	7024485	1	Breaker, Circuit 30Amp (Not Shown):	
8E	70001696	1	Boot, Breaker (Not Shown):	
8E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 36)	
8E	7026597	1	Connector, W/Leads (Not Shown)	
8E	7026188	1	Clamp, Cable (Not Shown)	
8E	70004169	1	Plate, End Panel	
8E	70001974	1	Decal - Terminal Connections	
8F	70001973	1	Decal - Warning Moving Parts	
9	4360336	1	Switch, Toggle	
10	4060802	1	Guard, Switch	
11	0100019	AR	Compound, Locking	
13	0641404	6	Bolt 1/4 x 1/2	
14	3931016	4	Capscrew 3/8 x 1	
15	0641808	2	Bolt 1/2 x 1	
16	1320318	1	Clamp	
17	0902888	1	Bracket, Box Mounting	
20	4240018	AR	Tie-Strap (Not Shown)	
21	4711400	5	Washer 1/4	
22	4711800	3	Washer 1/2	
25	4791400	2	Washer 1/4	
27	0480126	1	Belt, Drive	
28	4032015	4	Capscrew M10 x 55	
29	4300157	1	Stud	
30	3311801	1	Nut 1/2	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	0100062	AR	Adhesive (Not Shown)	
32	2820031	1	Insulator	
33	0962520	1	Bushing, Split Taper	
34	3580317	1	Tensioner, Belt	
35	3580319	1	Pulley	
36	3580320	1	Pulley	
37	4711600	1	Washer 3/8	
38	4922925	1	Generator to Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
39	0641618	1	Bolt 3/8 x 2-1/4	
40	0861572	1	Control Box Assembly	
40	7024488	1	Card, Circuit - Generator Power	
40	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
40	70000619	1	Harness, Control Box (Internal)	
40	7024489	1	Card, Circuit - Control	
		Ref	Note: Same Circuit Card (P/N 7024489) is used for both 60Hz & 50Hz Specs. When replacing card, rocker switch on card must be set for required application.	
41	0771415	1	Bolt M14 x 35 Grade 10.9	
42	4751000	4	Washer #10	
43	4751500	3	Washer 5/16	
	1001157525	Ref	JUNCTION BOX ASSEMBLY	B
101	3300396	1	Cover, Fuse	
102	3311001	6	Nut #10-24	
103	3520189	1	Plug	
104	3520192	1	Plug	
105	4360070	1	Circuit Breaker - 15 Amp	
106	4460425	1	Connector, Strain Relief	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug	
113	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	A
201	1705460	2	Decal - SkyPower	
203	1705461	1	Decal - 240V - 3 Phase	
204	1705489	3	Decal, Hazardous Voltage	
	1001157769	Ref	ELECTRICAL DIAGRAM COMPONENTS	B
301	1001152429	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
304	4922641	1	Switch Harness	

FIGURE 3-75. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES, DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TD2.9L4 (STAGE V) ENGINES

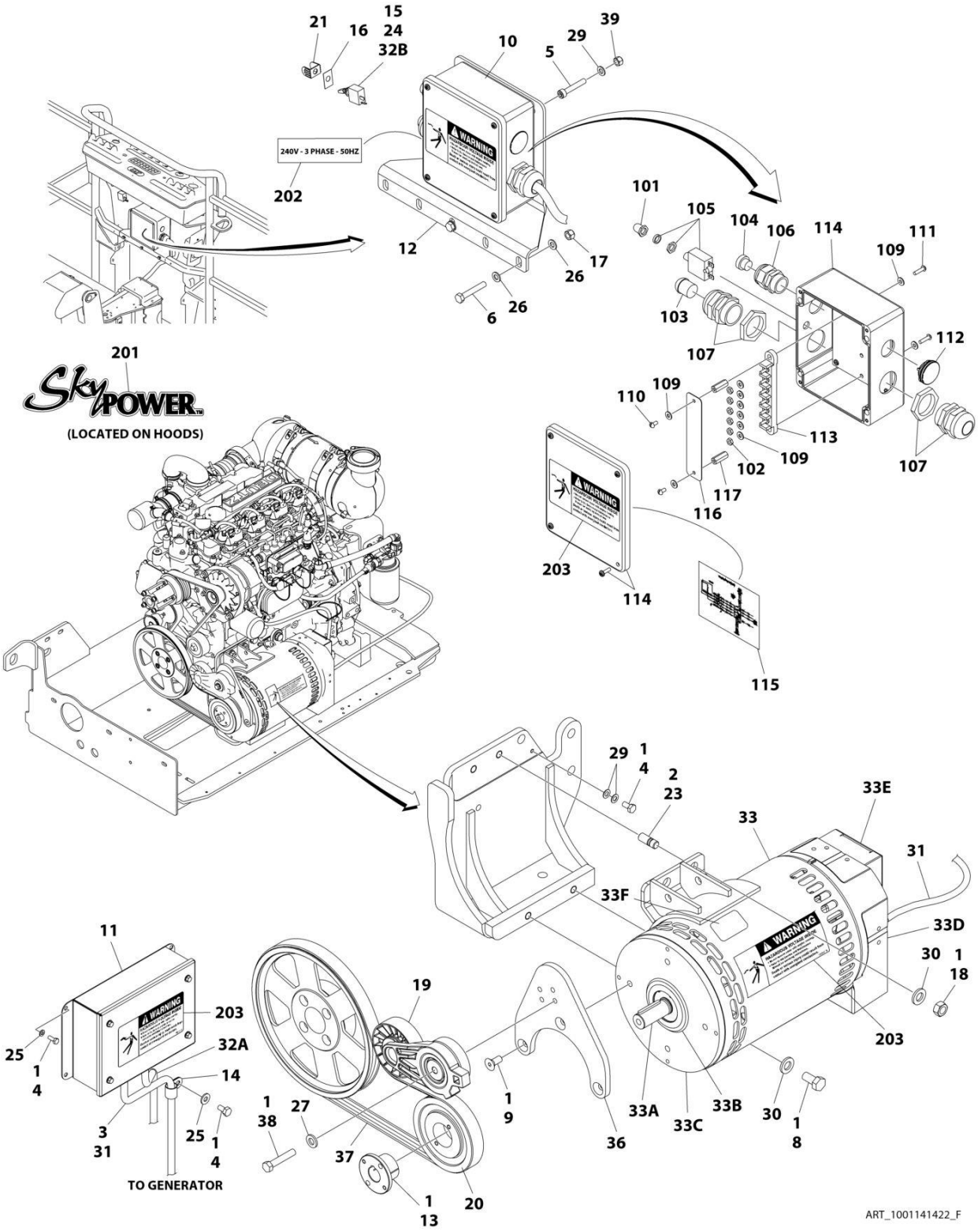


FIGURE 3-75. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES, DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TD2.9L4 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141422	Ref	7500W SKYPOWER GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Compound Terminal	
4	0641404	6	Bolt 1/4 x 1/2	
5	3931016	4	Capscrew #10 x 1	
6	0641516	3	Bolt 5/16 x 2	
8	0641808	2	Bolt 1/2 x 1	
9	0741607	3	Screw 3/8 x 7/8	
10	1001157525	1	Junction Box Assembly (See Items 101 - 117 for Breakdown)	
11	0861572	1	Control Box Assembly	
11	0860038	1	Box, Receptacle	
11	7024488	1	Card, Circuit - Generator Power	
11	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
11	7024489	1	Card, Circuit - Control	
11	70000619	1	Harness, Control Box (Internal)	
11		Ref	Note: Same Circuit Card (P/N 7024489) is used for both 60Hz and 50Hz. When replacing card, rocker switch on card must be set for required application.	
12	0902888	1	Bracket	
13	0962520	1	Bushing, Split	
14	1320318	1	Clamp	
15	2820031	AR	Heat Shrink	
16	3252764	1	Nameplate - AC & Weld	
17	3311505	3	Nut 5/16	
18	3311801	2	Nut 1/2	
19	3580317	1	Tensioner, Belt	
20	3580319	1	Pulley	
21	4060802	1	Guard, Switch	
22	4240018	AR	Tie - Strap (Not Shown)	
23	1001163599	2	Stud	
24	4360336	1	Switch, Toggle	
25	4711400	5	Washer 1/4	
26	4711500	6	Washer 5/16	
27	4711600	1	Washer 3/8	
28	4751000	4	Washer #10	
29	4791400	2	Washer 1/4	
30	4891800	4	Washer 1/2	
31	4922925	1	Generator to Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
32		Ref	Wiring Diagram Components (Not Shown)	
32A	1001119968	1	Generator to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION)	
32B	4922641	1	Generator On/Off Switch Harness	
33	1001212223	1	Generator Assembly	
33	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
33	70001384	1	Bearing, Ball Radial (Not Shown)	
33	70000863	1	Fan (Not Shown)	
33	70006093	1	Stator (Not Shown)	
33	70002297	1	Stud	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
33	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
33A	70004099	1	Key	
33B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
33B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
33B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
33C	70004092	1	Endbell, Belt Tensioner	
33D	70004094	1	Endbell, Brush Block	
33E	70006094	1	Shroud	
33E	70002291	1	Insulator, Endbell	
33E	7027799	1	Block, Connector - 6 Position (Not Shown)	
33E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
33E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
33E	70006096	1	Boot, Breaker (Not Shown)	
33E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 45)	
33E	7026597	1	Connector with Leads (Not Shown)	
33E	70004098	1	Clamp, Cable (Not Shown)	
33E	70006097	1	Plate, End Panel	
33E	70001974	1	Decal - Terminal Connections	
33F	70001973	1	Decal - Warning Moving Parts	
36	1001142643	1	Support	
37	1001142645	1	Belt	
38	0641616	1	Bolt 3/8 x 2	
39	3311005	4	Nut #10	
	1001157525	Ref	JUNCTION BOX ASSEMBLY	B
101	3300396	1	Cover, Fuse	
102	3311001	6	Nut #10	
103	3520189	1	Plug	
104	3520192	1	Plug	
105	4360070	1	Circuit Breaker - 15Amp	
106	4460425	1	Connector, Strain Relief	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug	
113	1001152520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase - 50Hz	
203	1705489	3	Decal - Hazardous Voltage	

FIGURE 3-76. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

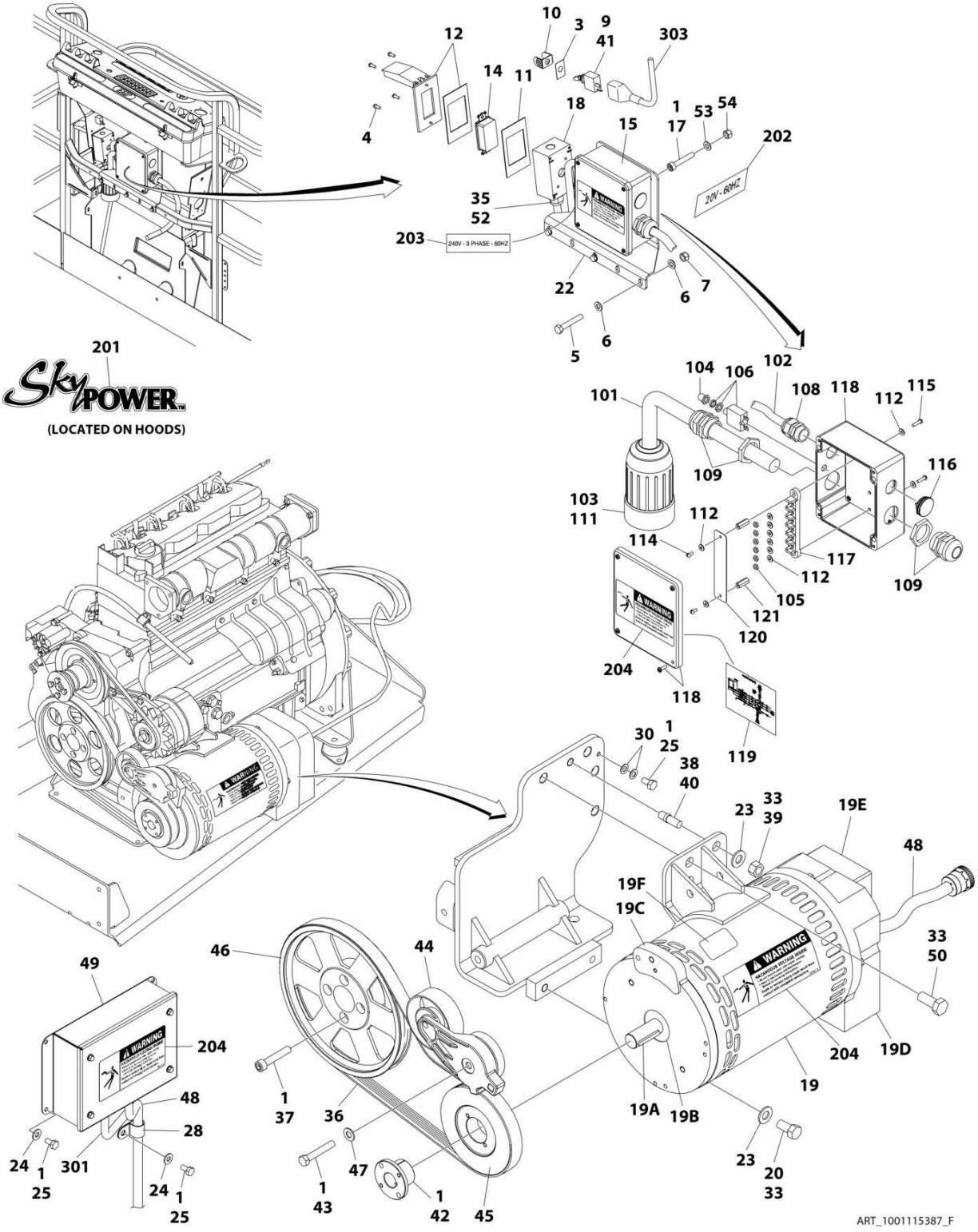


FIGURE 3-76. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115387	Ref	7500W 60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINE MACHINES	F
1	0100011	AR	Compound, Locking	
3	3252764	1	Nameplate	
4	3910606	4	Screw #6 x 3/8	
5	0641516	3	Bolt 5/16 x 2	
6	4751500	3	Washer 5/16	
7	3311508	3	Nut 5/16	
9	4360336	1	Switch, Toggle	
10	4060802	1	Guard, Switch	
11	3960422	1	Gasket	
12	1001110873	1	Cover, Receptacle (60Hz Specs)	
14	4460346	1	Receptacle, Female	
15	1001157592	1	Junction Box Assembly (See Items 101-124 for Breakdown)	
17	3931016	4	Capscrew 3/8 x 1	
18	0860038	1	Box, Switch	
19	2460048	1	Generator Assembly (Deutz D2011 Engines)	
19	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
19	70001384	1	Bearing, Ball Radial (Not Shown):	
19	70000863	1	Fan (Not Shown)	
19	70002088	1	Stator	
19	70002297	1	Stud	
19	7024484	NLA	Brushholder Assembly (Not Shown) (Use p/n 70003631)	
19A	7024561	NLA	Key - 2460048 Generator (Use p/n 70004171)	
19B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
19B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
19B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
19C	70001953	1	Endbell, Belt Tensioner	
19D	70001385	NLA	Endbell, Brush Block - (Use p/n 70004169)	
19E	70002290	NLA	Shroud - (Use p/n 70004169)	
19E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
19E	7027799	1	Block, Connector 6 Position (Not Shown)	
19E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
19E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
19E	70006095	1	Breaker - 1001212223 Generator	
19E	70001696	1	Boot, Breaker (Not Shown):	
19E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 36)	
19E	7026597	1	Connector, W/Leads (Not Shown)	
19E	7026188	1	Clamp, Cable (Not Shown)	
19E	70004169	1	Plate, End Panel:	
19E	70001974	1	Decal - Terminal Connections	
19F	70001973	1	Decal - Warning Moving Parts	
20	0641808	2	Bolt 1/2 x 1	
22	0902888	1	Bracket, Box Mounting	
23	4711800	3	Washer 1/2	
24	4711400	5	Washer 1/4	
25	0641404	6	Bolt 1/4 x 1/2	
28	1320318	1	Clamp	
29	4240018	AR	Tie-Strap (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
30	4791400	2	Washer 1/4	
33	0100019	AR	Compound, Locking	
35	4460071	1	Connector, Strain Relief	
36	0480129	1	Belt, Drive	
37	4032015	4	Capscrew M10 x 55	
38	4300157	1	Stud	
39	3311801	1	Nut 1/2-13	
40	0100062	AR	Compound, Locking	
41	2820031	1	Insulator	
42	0962520	1	Bushing, Split Taper	
43	0641618	1	Bolt 3/8 x 2-1/4	
44	3580317	1	Tensioner, Belt	
45	3580318	1	Pulley	
46	3580320	1	Pulley	
47	4711600	1	Washer 3/8	
48	4922925	1	Generator to Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
49	0861538	1	Control Box Assembly	
49	7024488	1	Card, Circuit - Generator Power	
49	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
49	70000619	1	Harness, Control Box (Internal)	
49	7024489	1	Card, Circuit - Control	
49		Ref	Note: Same Circuit Card (P/N 7024489) is used for both 60Hz & 50Hz Specs. When replacing card, rocker switch on card must be set for required application.	
50	0771415	1	Bolt M14 x 35 Grade 10.9	
52	0100020	AR	Sealant	
53	4751000	4	Washer #10	
54	3311005	4	Nut #10	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft /.46m	Cable, Electrical 10/4	
102	1001179154	2.5 ft /.76m	Cable, Electrical 12/3	
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15 Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	4	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	1	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
202	3251243	1	Decal - 120V - 60Hz (Not Shown - Located on Platform Receptacle)	
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal, Hazardous Voltage	
	1001157769	Ref	ELECTRICAL DIAGRAM COMPONENTS	B
301	1001152429	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	C
303	4922641	1	Switch Harness	

SECTION 3 - ENGINE

FIGURE 3-77. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

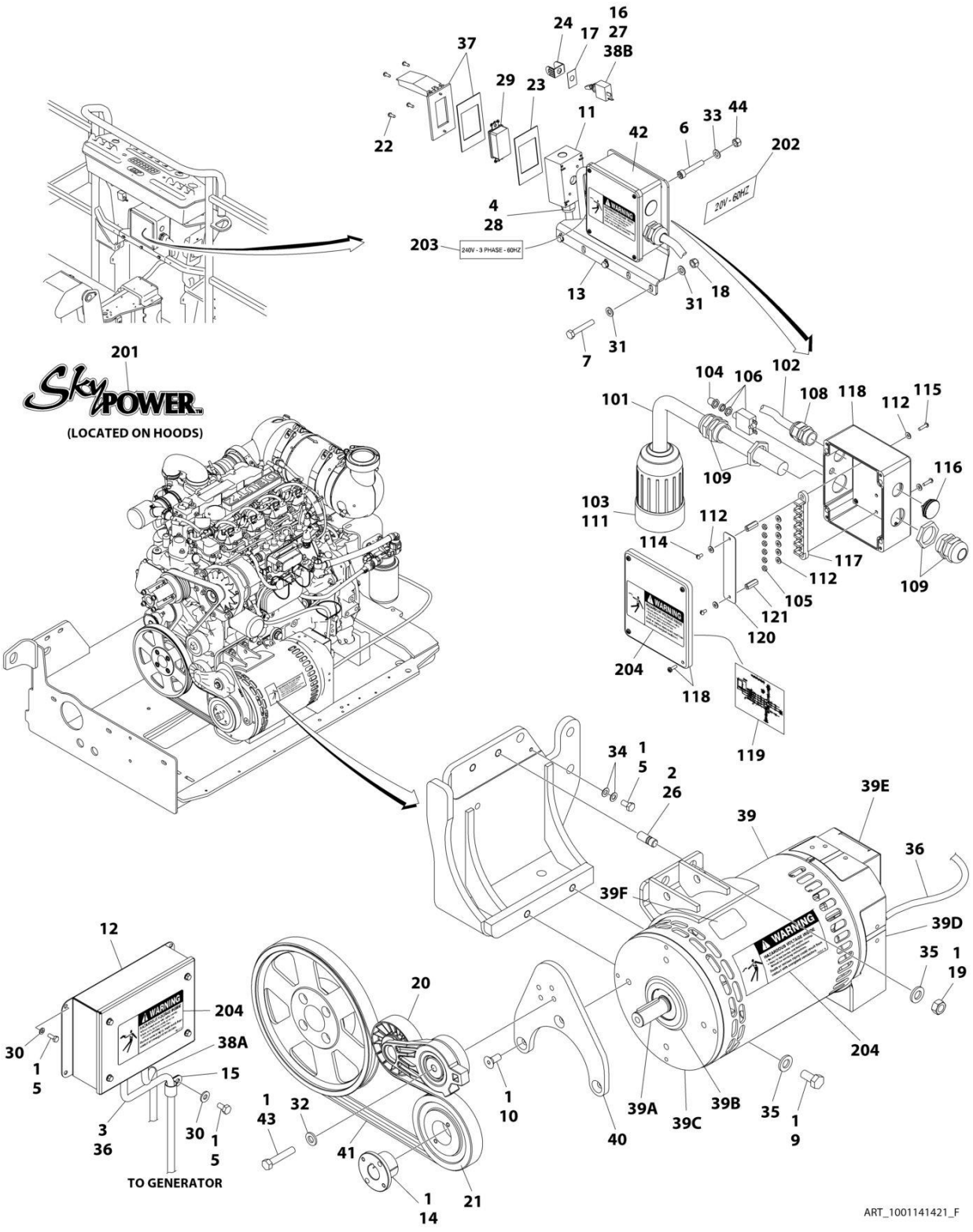


FIGURE 3-77. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141421	Ref	7500W SKYPOWER GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Compound Terminal	
4	0100079	AR	Sealant	
5	0641404	6	Bolt 1/4 x 1/2	
6	3931016	4	Capscrew #10 x 1	
7	0641516	3	Bolt 5/16 x 2	
9	0641808	2	Bolt 1/2 x 1	
10	0741607	3	Screw 3/8 x 7/8	
11	0860038	1	Box, Receptacle	
12	0861538	1	Control Box Assembly	
12	7024488	1	Card, Circuit - Generator Power	
12	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
12	7024489	1	Card, Circuit - Control	
12	70000619	1	Harness, Control Box (Internal)	
		Ref	Note: Same Circuit Card (P/N 7024489) is used for both 60Hz and 50Hz. When replacing card, rocker switch on card must be set for required application.	
13	0902888	1	Bracket	
14	0962520	1	Bushing, Split	
15	1320318	1	Clamp	
16	2820031	AR	Heat Shrink	
17	3252764	1	Nameplate - AC & Weld	
18	3311505	3	Nut 5/16	
19	3311801	2	Nut 1/2	
20	3580317	1	Tensioner, Belt	
21	3580318	1	Pulley	
22	3910606	4	Screw #6 x 3/8	
23	3960422	1	Gasket	
24	4060802	1	Guard, Switch	
25	4240018	AR	Tie - Strap (Not Shown)	
26	1001163599	2	Stud	
27	4360336	1	Switch, Toggle	
28	4460071	1	Connector, Strain Relief	
29	4460346	1	Receptacle	
30	4711400	5	Washer 1/4	
31	4711500	6	Washer 5/16	
32	4711600	1	Washer 3/8	
33	4751000	4	Washer #10	
34	4791400	2	Washer1/4	
35	4891800	4	Washer 1/2	
36	4922925	1	Generator to Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
37	1001110873	1	Cover	
38		Ref	Wiring Diagram Components (Not Shown)	
38A	1001119968	1	Generator to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION)	
38B	4922641	1	Generator ON/OFF Switch Harness	
39	1001212223	1	Generator Assembly	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
39	70001384	1	Bearing, Ball Radial (Not Shown)	
39	70000863	1	Fan (Not Shown)	
39	70006093	1	Stator (Not Shown)	
39	70002297	1	Stud	
39	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
39A	70004099	1	Key	
39B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
39B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
39B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
39C	70004092	1	Endbell, Belt Tensioner	
39D	70004094	1	Endbell, Brush Block	
39E	70006094	1	Shroud	
39E	70002291	1	Insulator, Endbell	
39E	7027799	1	Block, Connector - 6 Position (Not Shown)	
39E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
39E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
39E	70006096	1	Boot, Breaker (Not Shown)	
39E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 45)	
39E	7026597	1	Connector with Leads (Not Shown)	
39E	70004098	1	Clamp, Cable (Not Shown)	
39E	70006097	1	Plate, End Panel	
39E	70001974	1	Decal - Terminal Connections	
39F	70001973	1	Decal - Warning Moving Parts	
40	1001142643	1	Support	
41	1001142646	1	Belt	
42	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
43	0641616	1	Bolt 3/8 x 2	
44	3311005	4	Nut #10	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft/ 0.5m	Cable, Electrical 10/4	
102	1001179154	2.5 ft/ 76cm	Cable, Electrical 12/3	
103	1671092	1	Cover, Connector	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	4	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	1	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D

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

FIGURE 3-78. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - FORD ENGINES

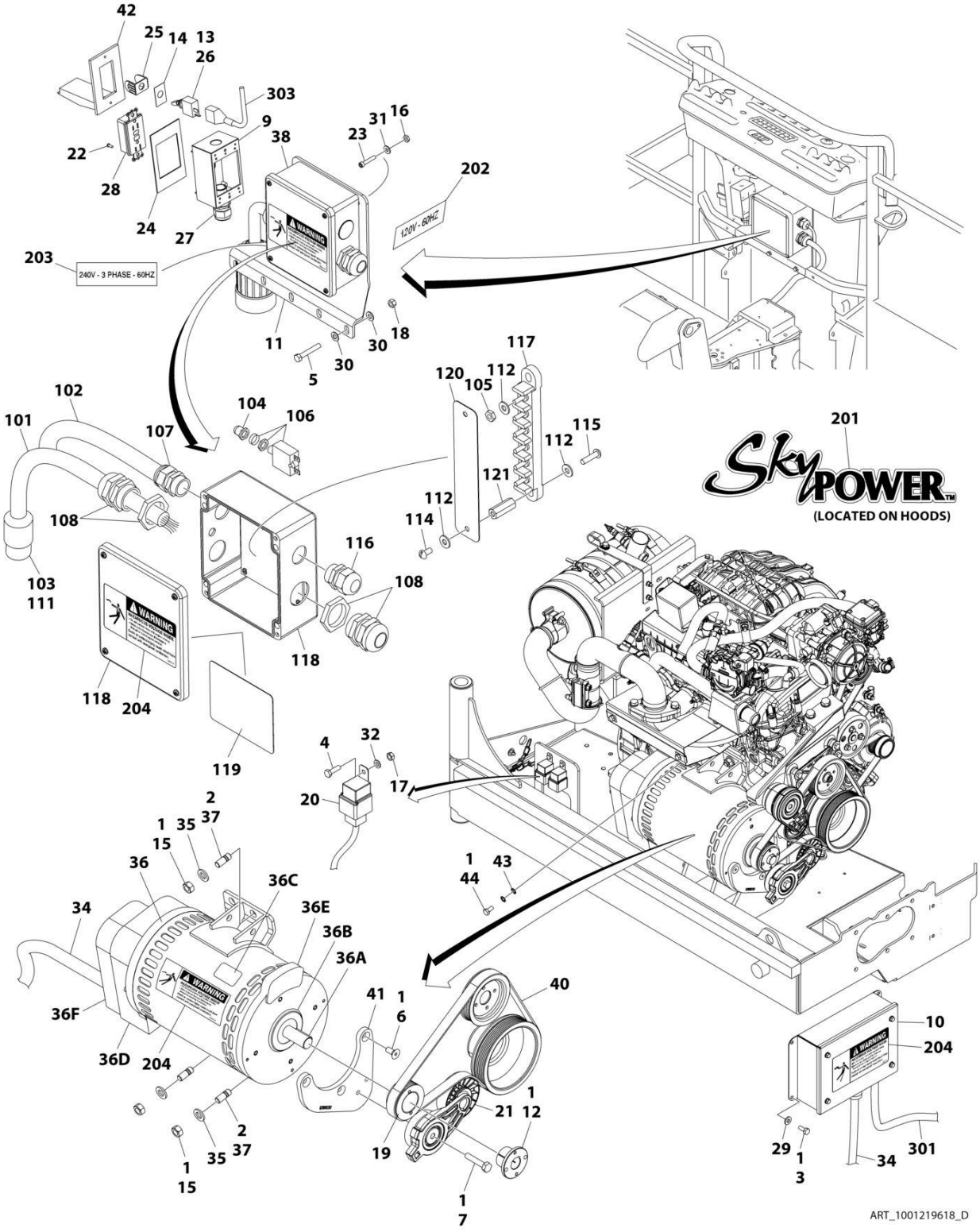


FIGURE 3-78. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219618	Ref	7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES	D
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Components.	
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0641405	4	Bolt 1/4 x 5/8	
4	0760610	2	Bolt M6 x 20	
5	0641516	3	Bolt 5/16 x 2	
6	0741607	3	Screw 3/8 x 7/8	
7	0761018	1	Bolt M10 x 50	
9	0860038	1	Box, Switch	
10	0861538	1	Control Box Assembly	
10	7024488	1	Card, Circuit - Generator Power	
10	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
10	7024489	1	Card, Circuit - Control	
10	70000619	1	Harness, Circuit Card	
11	0902888	1	Bracket, Box Mounting	
12	0962520	1	Bushing, Split Taper	
13	2820031	1	Heat Shrink	
14	3252764	1	Nameplate - AC & Weld	
15	3291201	4	Nut M12	
16	3311005	4	Nut #10	
17	3290601	2	Nut M6	
18	3311505	3	Nut 5/16	
19	3580314	1	Pulley	
20	3740080	2	Relay	
21	3580317	1	Tensioner, Belt	
22	3910606	2	Screw #6 x 3/8	
23	3931016	4	Capscrew #10 x 1	
24	3960422	1	Gasket	
25	4060802	1	Guard, Switch	
26	4360336	1	Switch, Toggle	
27	4460071	1	Connector, Strain Relief	
28	4460346	1	Receptacle	
29	4711400	4	Washer 1/4	
30	4711500	6	Washer 5/16	
31	4751000	4	Washer #10	
32	4811700	2	Washer M6	
34	4922925	1	Harness, Generator	
35	5241200	4	Washer M12	
36	1001136104	1	Generator Assembly	
36	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
36	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
36	70001696	1	Boot, Breaker (was p/n 7024486 - Not Shown)	
36	70001966	1	Bearing, Ball Radial (Located In Belt Tensioner Endbell - Not Shown)	
36	7027799	1	Block, Connector 6 Position (Not Shown)	
36	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
36	7026188	1	Clamp, Cable (Not Shown)	
36	7026597	1	Connector, W/Leads (Not Shown)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
36	7026626	1	Connector - 6 Position with Seal (Not Shown)	
36	70002088	1	Stator (Not Shown)	
36	70004169	1	Panel, End (Not Shown) (was p/n 70002255)	
36	70001974	1	Decal - Terminal Connections (Not Shown)	
36	70000863	1	Fan (Not Shown)	
36	70002297	4	Stud (Not Shown)	
36A	70004171	1	Key (was p/n 7024561)	
36A	70001100	1	Armature, Generator (Includes Radial Ball Bearing on End with Brushes and Fan)	
36A	70001384	1	Bearing, Ball Radial	
36B	70001966	1	Bearing, Radial Ball	
36B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
36B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
36C	70001973	1	Decal - Warning Moving Parts	
36D	70004169	1	Endbell, Brush Block (was p/n 70001385)	
36E	70001953	1	Endbell, Belt Tensioner	
36F	70004169	1	Endbell, Shroud Assembly (was p/n 70002290)	
37	1001196382	4	Stud	
38	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
40	1001216390	1	V-Belt	
41	1001218930	1	Mount, Tensioner	
42	1001110873	1	Cover, Receptacle	
43	4871700	2	Washer M6	
44	0760606	1	Bolt M6 x 12	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft /0.46m	Cable, Electrical - 10/4 (60Hz Only)	
102	1001179154	2.5 ft /0.76m	Cable Electrical - 12/3	
103	1671092	1	Cover, Connector	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Breaker, Circuit 15Amp	
107	4460425	1	Connector, Strain Relief	
108	4460426	2	Connector, Strain Relief	
111	4460963	1	Receptacle	
112	4711000	10	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug, Hole	
117	1001157520	1	Block, Terminal Pole	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Box Junction	
120	1001158007	1	Cover	
121	1001158008	2	Standoff	
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V - 60Hz (60Hz Spec Only) (Located on Opposite Side)	
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal, Hazardous Voltage	
	1001221498	Ref	ELECTRICAL DIAGRAM COMPONENTS	B

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301	1001257972	1	Generator to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION)	
303	4922641	1	Generator On/Off Switch Harness	

FIGURE 3-79. QUICKFIT OIL VALVE

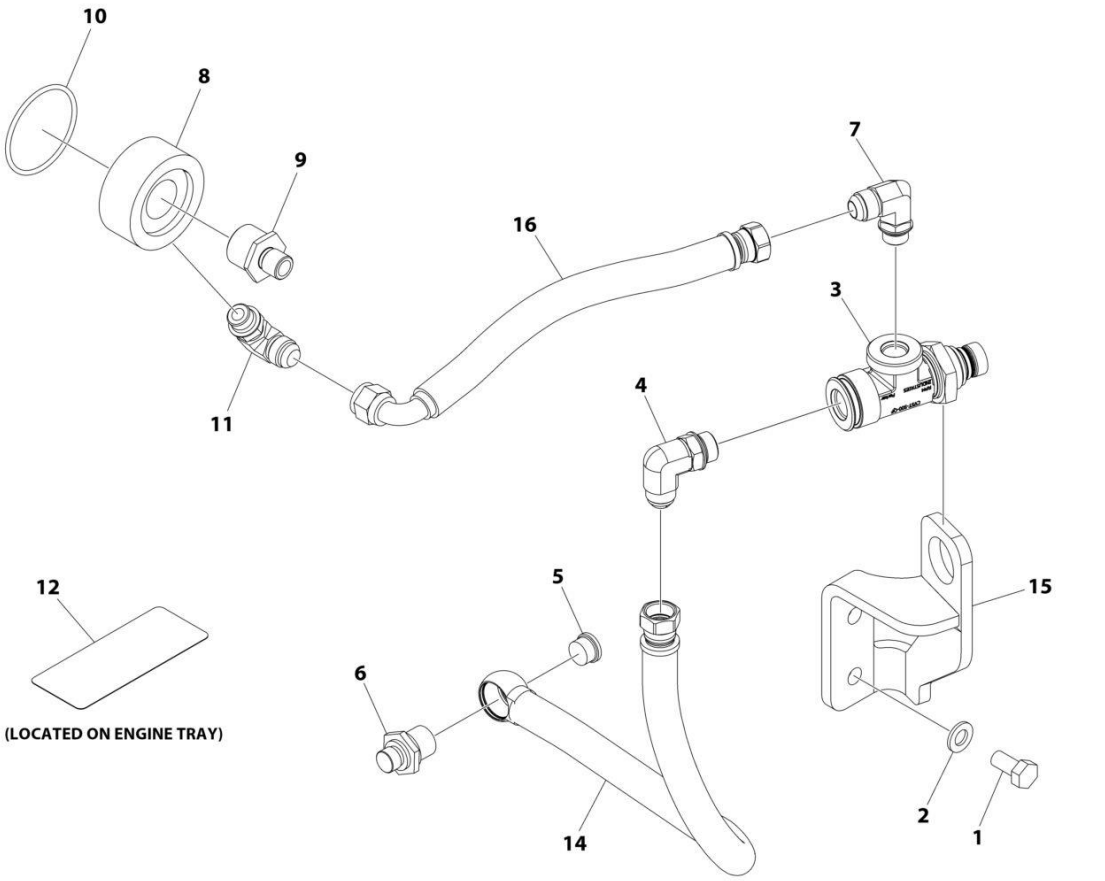


FIGURE 3-79. QUICKFIT OIL VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285349	Ref	QUICKFIT OIL VALVE	A
1	0761212	2	Bolt M12 x 25	
2	4812100	2	Washer M12	
3	1001281298	1	Valve, Quickfit	
4	1001281301	1	Fitting, 90	
5	1001281304	1	Plug	
6	1001281305	1	Fitting, Banjo	
7	1001281307	1	Fitting, 90	
8	1001281309	1	Filter, Ring	
9	1001281310	1	Fitting, Straight	
10	1001281311	1	O-Ring	
11	1001281359	1	Valve, Check	
12	1001281360	1	Decal - RPM Quickfit	
13	1001281656	1	Tie-Strap (Not Shown)	
14	1001284101	1	Hose	
15	1001287536	1	Bracket	
16	1001288113	1	Hose	

SECTION 4 - BOOM

FIGURE 4-1. BOOM AND CYLINDER INSTALLATION - WITHOUT ARCTIC PACKAGE

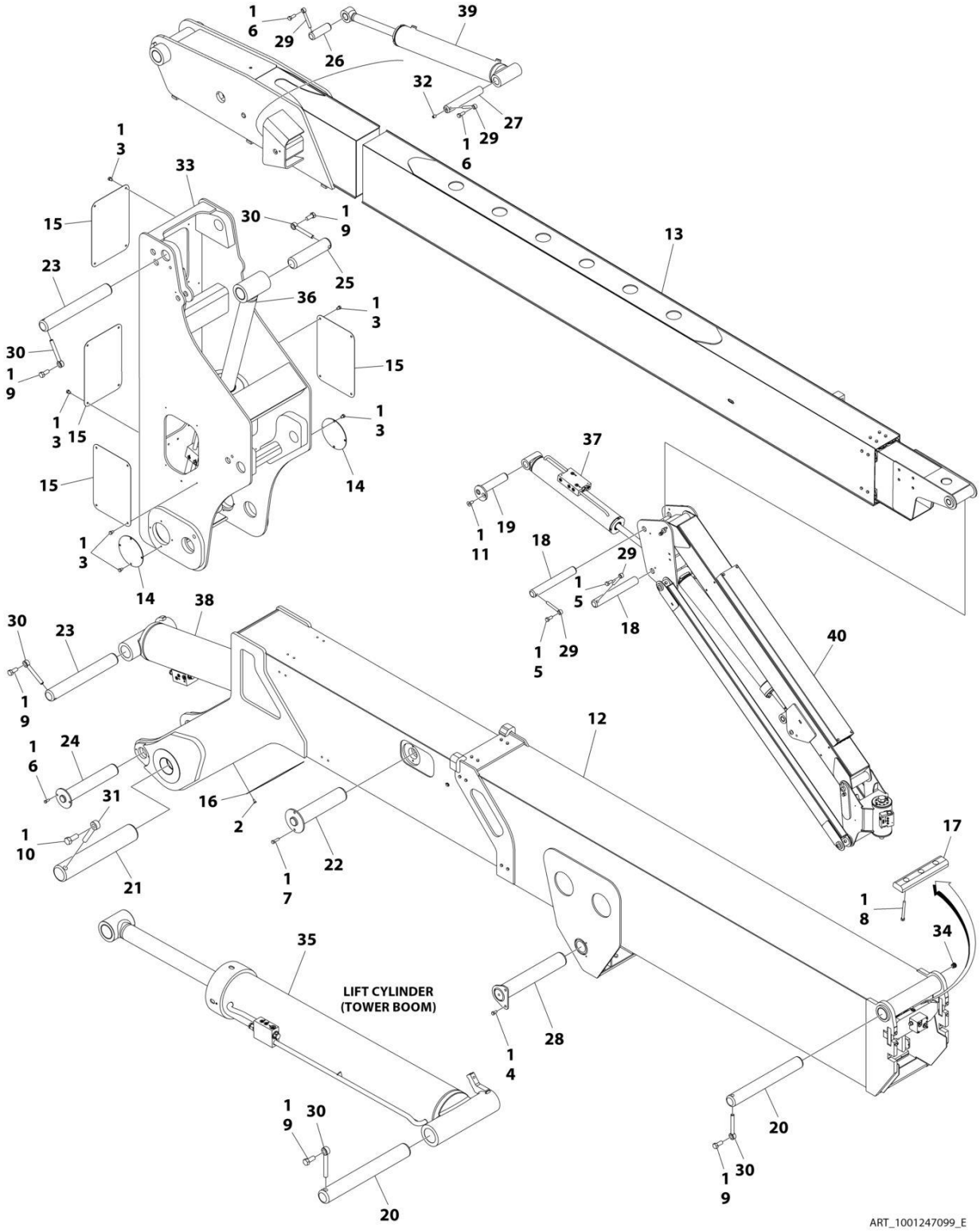


FIGURE 4-1. BOOM AND CYLINDER INSTALLATION - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247099	Ref	BOOM INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0641404	4	Bolt 1/4 x 1/2	
3	0641604	24	Bolt 3/8 x 1/2	
4	0641606	2	Bolt 3/8 x 3/4	
5	0641607	2	Bolt 3/8 x 7/8	
6	0641608	4	Bolt 3/8 x 1	
7	0641611	2	Bolt 3/8 x 1-3/8	
8	0641840	3	Bolt 1/2 x 5	
9	0642214	5	Bolt 3/4 x 1-3/4	
10	0642620	1	Bolt 1 x 2-1/2	
11	0741607	1	Screw 3/8 x 7/8	
12	0801132	1	Boom Assembly - Tower (See Separate Breakdown in this Section)	
13	0801136	1	Boom Assembly - Main (See Separate Breakdown in this Section)	
14	1120510	2	Cover, Upright	
15	1670844	4	Cover, Upright	
16	1670850	1	Cover, Tower Fly	
17	3340835	1	Pad Rest	
18	3422561	2	Pin	
19	3422583	1	Pin	
20	3422681	2	Pin	
21	3422683	1	Pin	
22	3422684	1	Pin	
23	3422685	2	Pin	
24	3422686	1	Pin	
25	3422687	1	Pin	
26	3422688	1	Pin	
27	3422689	1	Pin	
28	3422729	1	Pin	
29	3841143	4	Keeper, Pin	
30	3841287	5	Keeper, Pin	
31	3841356	1	Keeper, Pin	
32	3900239	1	Set Screw	
33	4845593	1	Upright	
34	1001213705	1	Cap	
35	1001251009	1	Lift Cylinder Assembly - Tower Boom (See Separate Breakdown in CYLINDER Section)	
36	1001251010	1	Lift Cylinder Assembly - Main Boom (See Separate Breakdown in CYLINDER Section)	
37	1001251030	1	Level Cylinder Assembly - Platform Slave (See Separate Breakdown in CYLINDER Section)	
38	1001251041	1	Level Cylinder Assembly - Upright (See Separate Breakdown in CYLINDER Section)	
39	1001251050	1	Master Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
40	1001247147	1	Jib Assembly (See Separate Breakdown in this Section)	

FIGURE 4-2. BOOM AND CYLINDER INSTALLATION - WITH ARCTIC PACKAGE

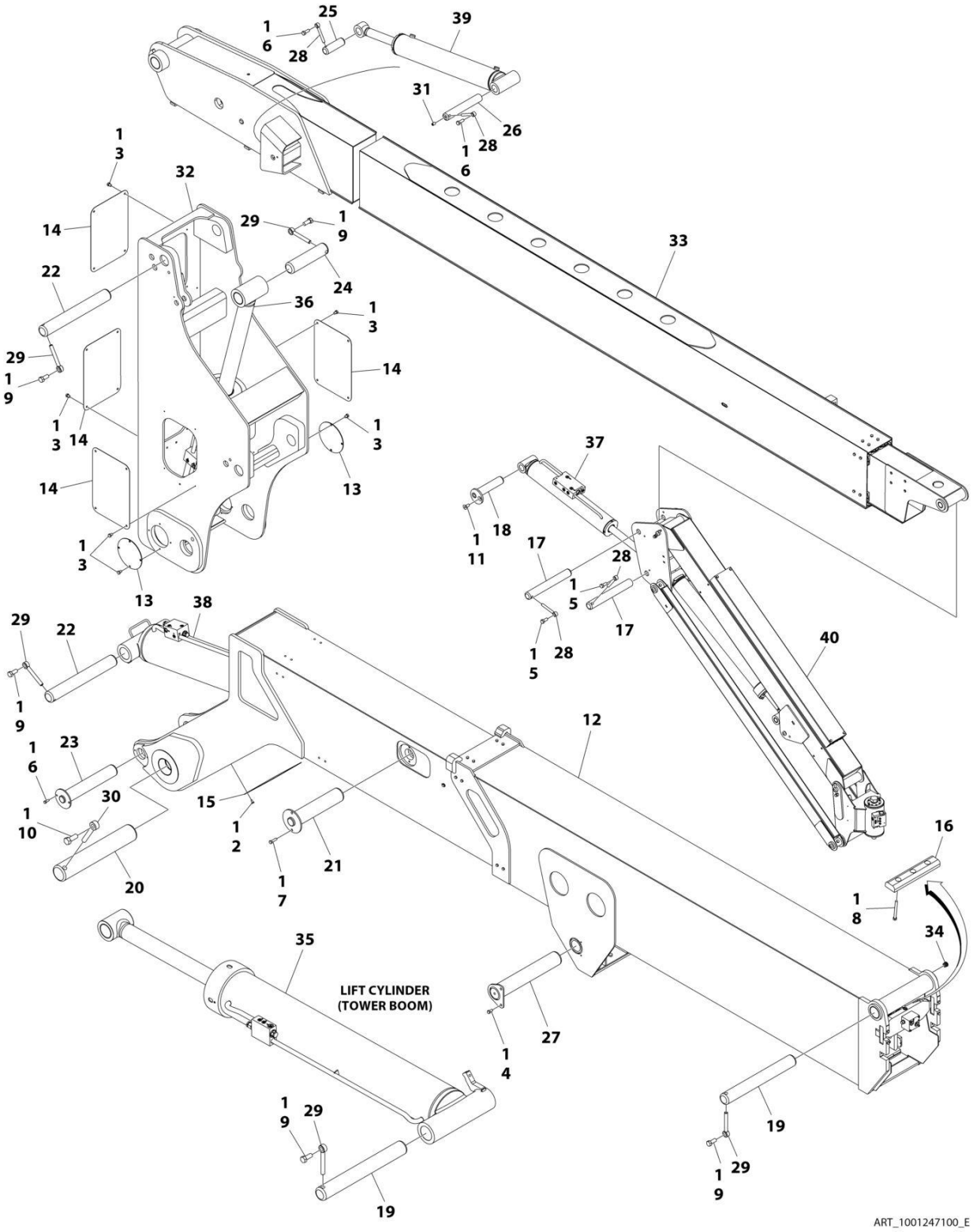


FIGURE 4-2. BOOM AND CYLINDER INSTALLATION - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247100	Ref	BOOM INSTALLATION - 800AJ WITH ARTIC PACKAGE	E
1	0100011	AR	Compound, Locking	
2	0641404	4	Bolt 1/4 x 1/2	
3	0641604	24	Bolt 3/8 x 1/2	
4	0641606	2	Bolt 3/8 x 3/4	
5	0641607	2	Bolt 3/8 x 7/8	
6	0641608	4	Bolt 3/8 x 1	
7	0641611	2	Bolt 3/8 x 1-3/8	
8	0641840	3	Bolt 1/2 x 5	
9	0642214	5	Bolt 3/4 x 1-3/4	
10	0642620	1	Bolt 1 x 2-1/2	
11	0741607	1	Screw 3/8 x 7/8	
12	0801132	1	Boom Assembly - Tower (See Separate Breakdown in this Section)	
13	1120510	2	Cover, Upright	
14	1670844	4	Cover, Upright	
15	1670850	1	Cover, Tower Fly	
16	3340835	1	Pad Rest	
17	3422561	2	Pin	
18	3422583	1	Pin	
19	3422681	2	Pin	
20	3422683	1	Pin	
21	3422684	1	Pin	
22	3422685	2	Pin	
23	3422686	1	Pin	
24	3422687	1	Pin	
25	3422688	1	Pin	
26	3422689	1	Pin	
27	3422729	1	Pin	
28	3841143	4	Keeper, Pin	
29	3841287	5	Keeper, Pin	
30	3841356	1	Keeper, Pin	
31	3900239	1	Set Screw	
32	4845593	1	Upright	
33	1001149286	1	Boom Assembly - Main (See Separate Breakdown in this Section)	
34	1001213705	1	Cap	
35	1001251009	1	Lift Cylinder Assembly - Tower Boom (See Separate Breakdown in CYLINDER Section)	
36	1001251010	1	Lift Cylinder Assembly - Main Boom (See Separate Breakdown in CYLINDER Section)	
37	1001251030	1	Level Cylinder Assembly - Platform Slave (See Separate Breakdown in CYLINDER Section)	
38	1001251041	1	Level Cylinder Assembly - Upright (See Separate Breakdown in CYLINDER Section)	
39	1001251050	1	Master Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
40	1001247147	1	Jib Assembly (See Separate Breakdown in this Section)	

FIGURE 4-3. BOOM ASSEMBLY - MAIN (WITHOUT ARCTIC PACKAGE)

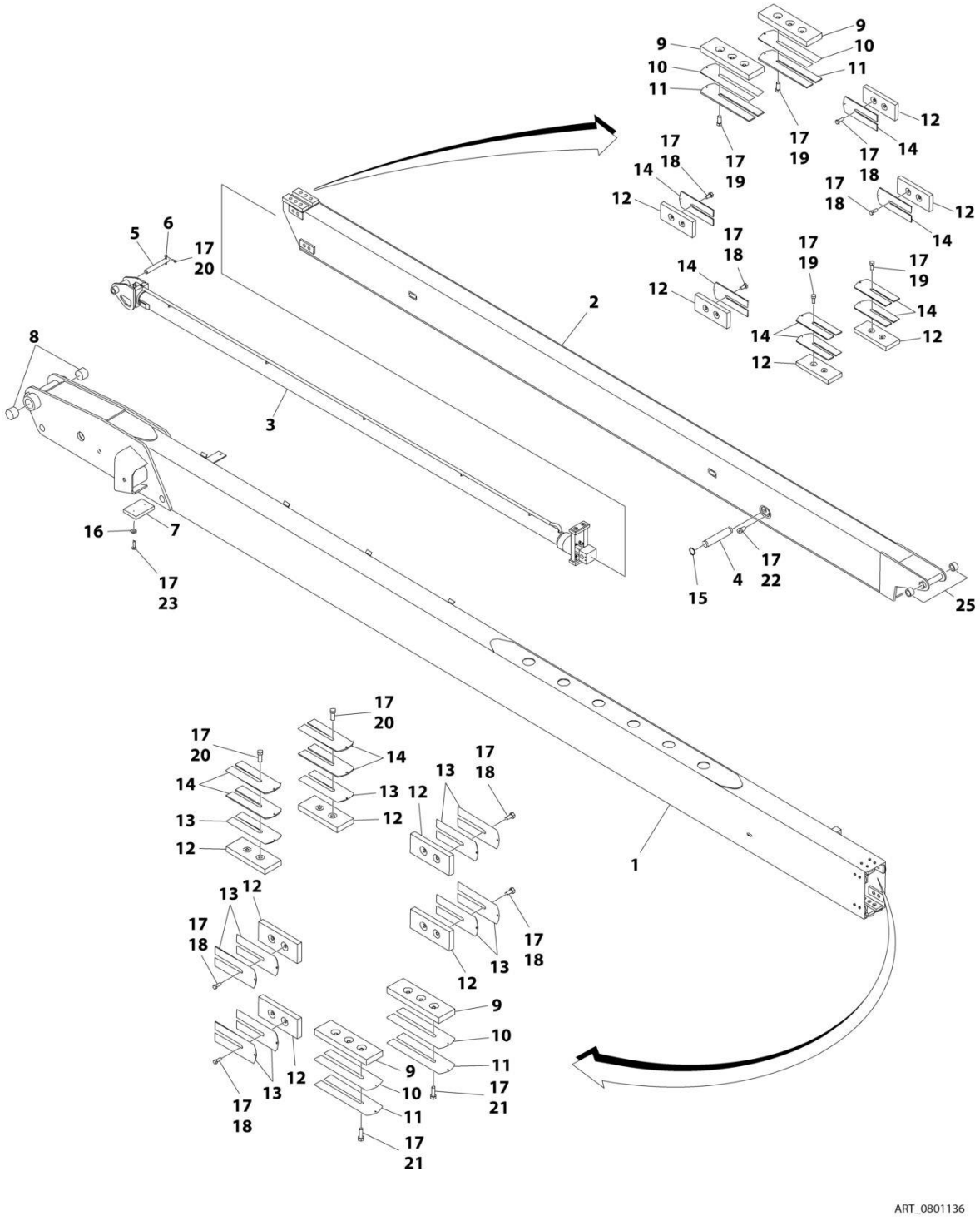


FIGURE 4-3. BOOM ASSEMBLY - MAIN (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0801136	Ref	MAIN BOOM ASSEMBLY	N
1	0801591	1	Base, Boom	
2	0801573	1	Fly, Boom	
3	1001228087	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
4	3422457	1	Pin	
5	3422690	1	Pin	
6	3841143	1	Keeper, Pin	
7	0561295	1	Block, Boom Rest	
8	0962102	2	Bushing	
9	3340871	4	Pad, Wear	
10	4070863	4	Shim 1/8	
11	4070864	4	Shim .05	
12	1001148652	12	Pad, Wear	
13	4070897	10	Shim .05	
14	4070898	12	Shim 1/8	
15	3760133	2	Ring, Retaining	
16	4711600	2	Washer 3/8	
17	0100011	AR	Compound, Locking	
18	0641606	16	Bolt 3/8 x 3/4	
19	0641607	10	Bolt 3/8 x 7/8	
20	0641608	5	Bolt 3/8 x 1	
21	0641609	6	Bolt 3/8 x 1-1/8	
22	3900259	4	Bolt, Shoulder	
23	0641612	2	Bolt 3/8 x 1-1/2	
25	0961951	2	Bushing	

FIGURE 4-4. BOOM ASSEMBLY - MAIN (WITH ARCTIC PACKAGE)

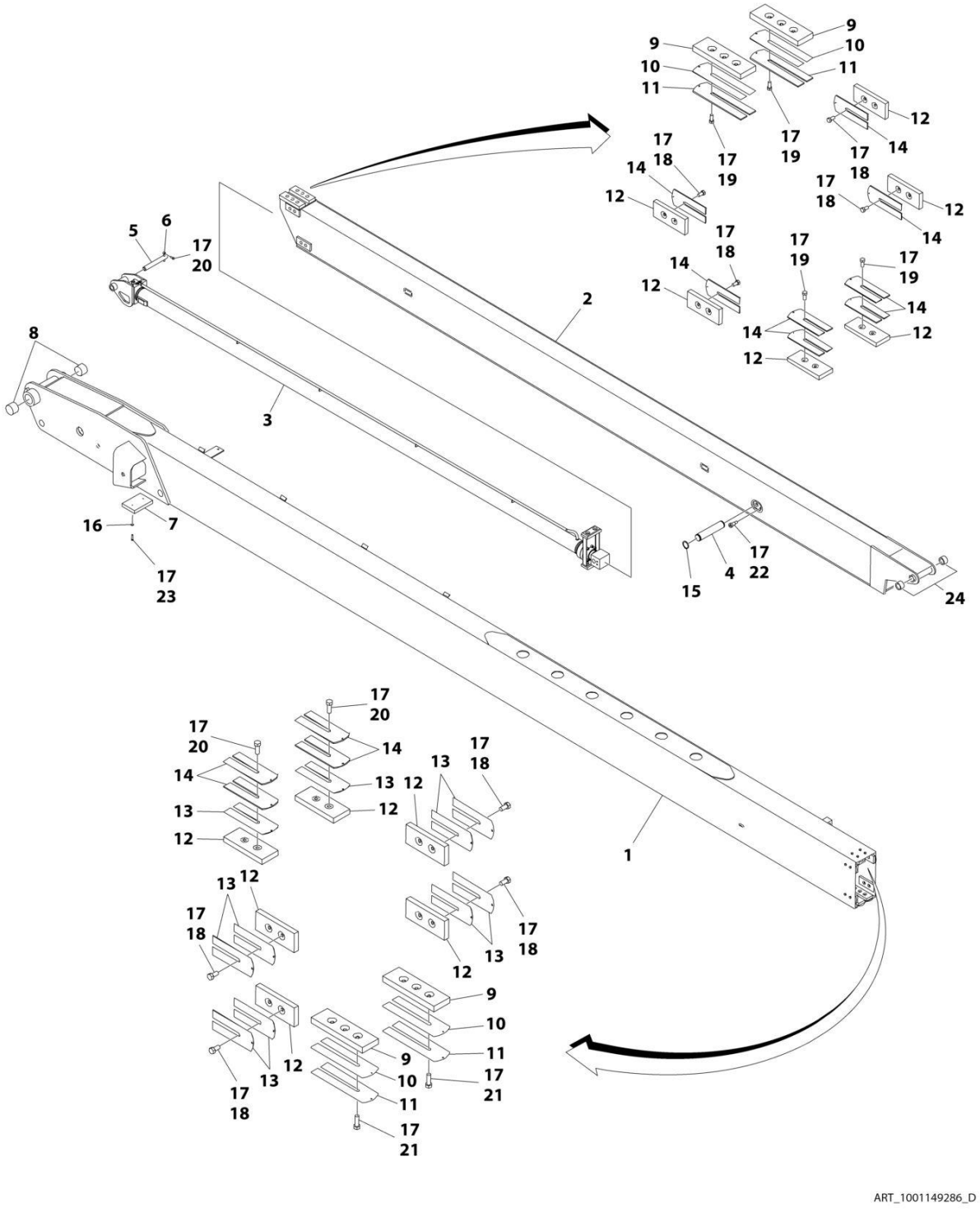


FIGURE 4-4. BOOM ASSEMBLY - MAIN (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001149286	Ref	MAIN BOOM ASSEMBLY	D
1	0801591	1	Base, Boom	
2	0801573	1	Fly, Boom	
3	1001251087	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
4	3422457	1	Pin	
5	3422690	1	Pin	
6	3841143	1	Keeper, Pin	
7	0561295	1	Block, Boom Rest	
8	0962102	2	Bushing	
9	3340871	4	Pad, Wear	
10	4070863	4	Shim 1/8	
11	4070864	4	Shim .05	
12	1001148652	12	Pad, Wear	
13	4070897	10	Shim .05	
14	4070898	12	Shim 1/8	
15	3760133	2	Ring, Retaining	
16	4711600	2	Washer 3/8	
17	0100011	AR	Compound, Locking	
18	0641606	16	Bolt 3/8 x 3/4	
19	0641607	10	Bolt 3/8 x 7/8	
20	0641608	5	Bolt 3/8 x 1	
21	0641609	6	Bolt 3/8 x 1-1/8	
22	3900259	4	Bolt, Shoulder	
23	0641612	2	Bolt 3/8 x 1-1/2	
24	0961951	2	Bushing	

FIGURE 4-5. TOWER BOOM ASSEMBLY

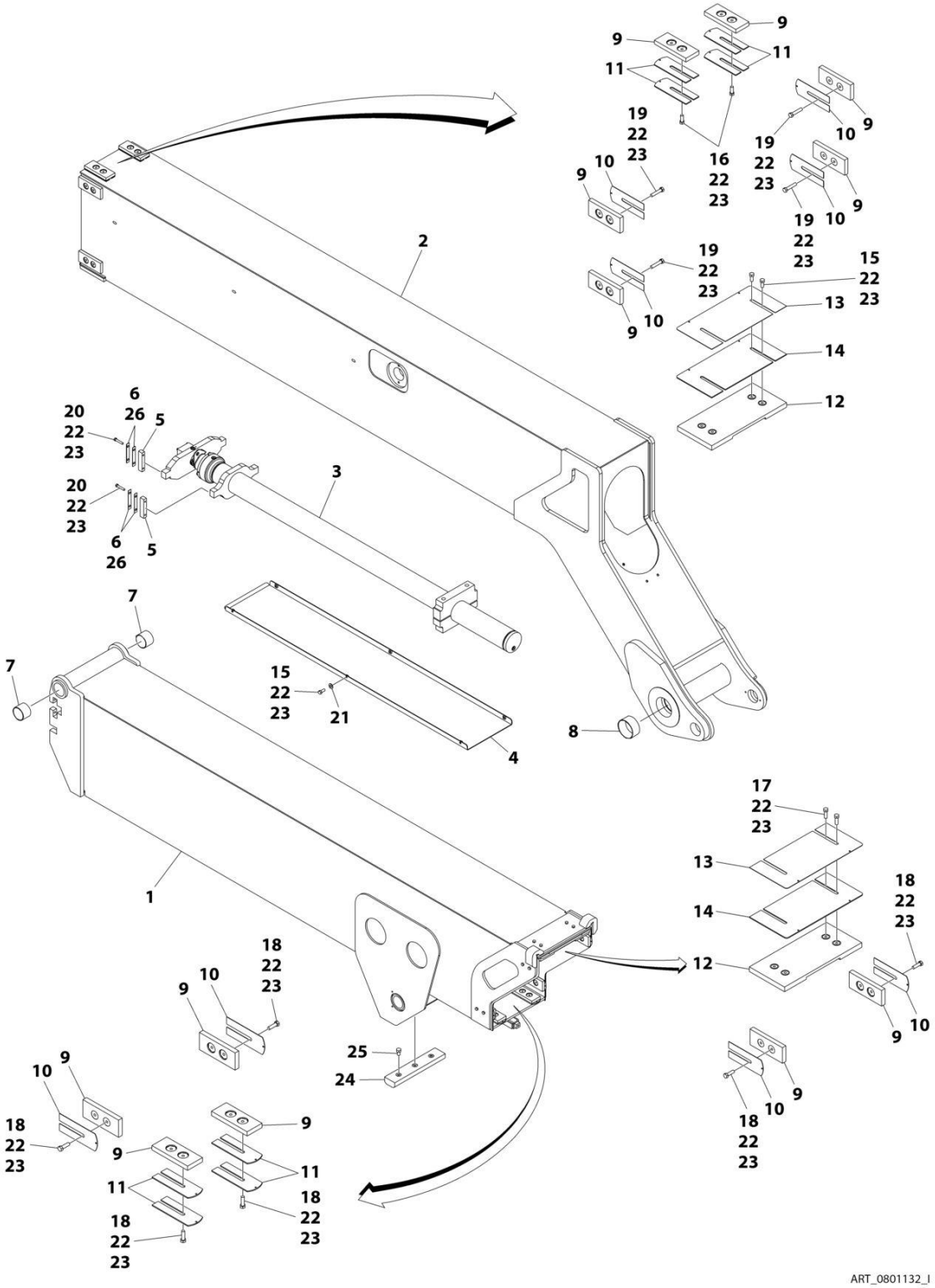


FIGURE 4-5. TOWER BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0801132	Ref	TOWER BOOM ASSEMBLY	I
1	0801594	1	Base, Boom	
2	0801496	1	Fly, Boom	
3	1001251086	1	Tower Telecsope Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
4	4340706	1	Support	
5	0561185	4	Block, Attach	
6	4070929	4	Shim 1/16	
7	0962102	2	Bushing	
8	0962122	2	Bushing	
9	3340881	12	Pad, Wear	
10	4070897	8	Shim .05	
11	4070898	8	Shim .12	
12	3340828	2	Pad, Wear	
13	4070967	2	Shim .05	
14	4070968	2	Shim .12	
15	0641607	10	Bolt 3/8 x 7/8	
16	0641608	4	Bolt 3/8 x 1	
17	0641609	4	Bolt 3/8 x 1-1/8	
18	0641610	12	Bolt 3/8 x 1-1/4	
19	0641615	8	Bolt 3/8 x 1-7/8	
20	0641616	8	Bolt 3/8 x 2	
21	4711600	6	Washer 3/8	
22	0100011	AR	Compound, Locking	
23	0100038	AR	Primer, Locking	
24	3340835	1	Pad, Boom Rest	
25	0641806	3	Bolt 1/2 x 3/4	
26	4071007	4	Shim 20Ga	

FIGURE 4-6. JIB ASSEMBLY

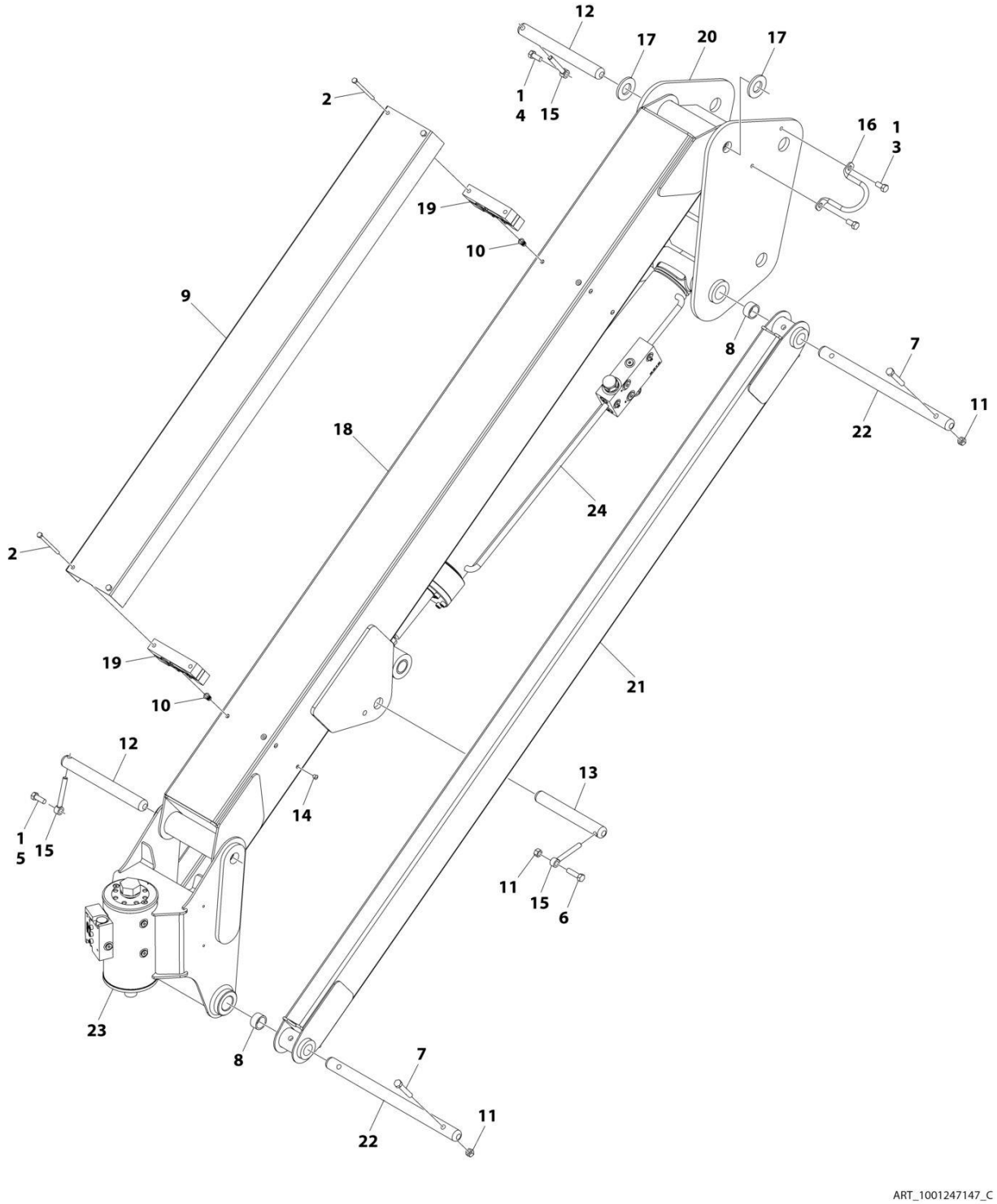


FIGURE 4-6. JIB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247147	Ref	JIB ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0700626	4	Bolt M6 x 90	
3	0641606	2	Bolt 3/8 x 3/4	
4	0641607	1	Bolt 3/8 x 7/8	
5	0641608	1	Bolt 3/8 x 1	
6	0641611	1	Bolt 3/8 x 1-3/8	
7	0641618	4	Bolt 3/8 x 2-1/4	
8	0961947	6	Bearing	
9	1671034	1	Cover	
10	1001176636	4	Fastner M6	
11	3311605	5	Nut 3/8	
12	3422860	2	Pin	
13	3422867	1	Pin	
14	3520034	8	Plug	
15	3841143	3	Keeper, Pin	
16	3841340	1	Loop, Hose	
17	4740439	2	Washer	
18	4844816	1	Tube (Top)	
19	1001165350	2	Block, Clamp	
20	1001170548	1	Pivot	
21	4844817	2	Link	
22	3422861	2	Pin	
23	1001217780	1	Rotator Assembly (See Separate Breakdown in this Section)	
24	1001248012	1	Lift Cylinder Assembly - Jib (See Separate Breakdown in CYLINDER Section)	

FIGURE 4-7. ROTATOR ASSEMBLY

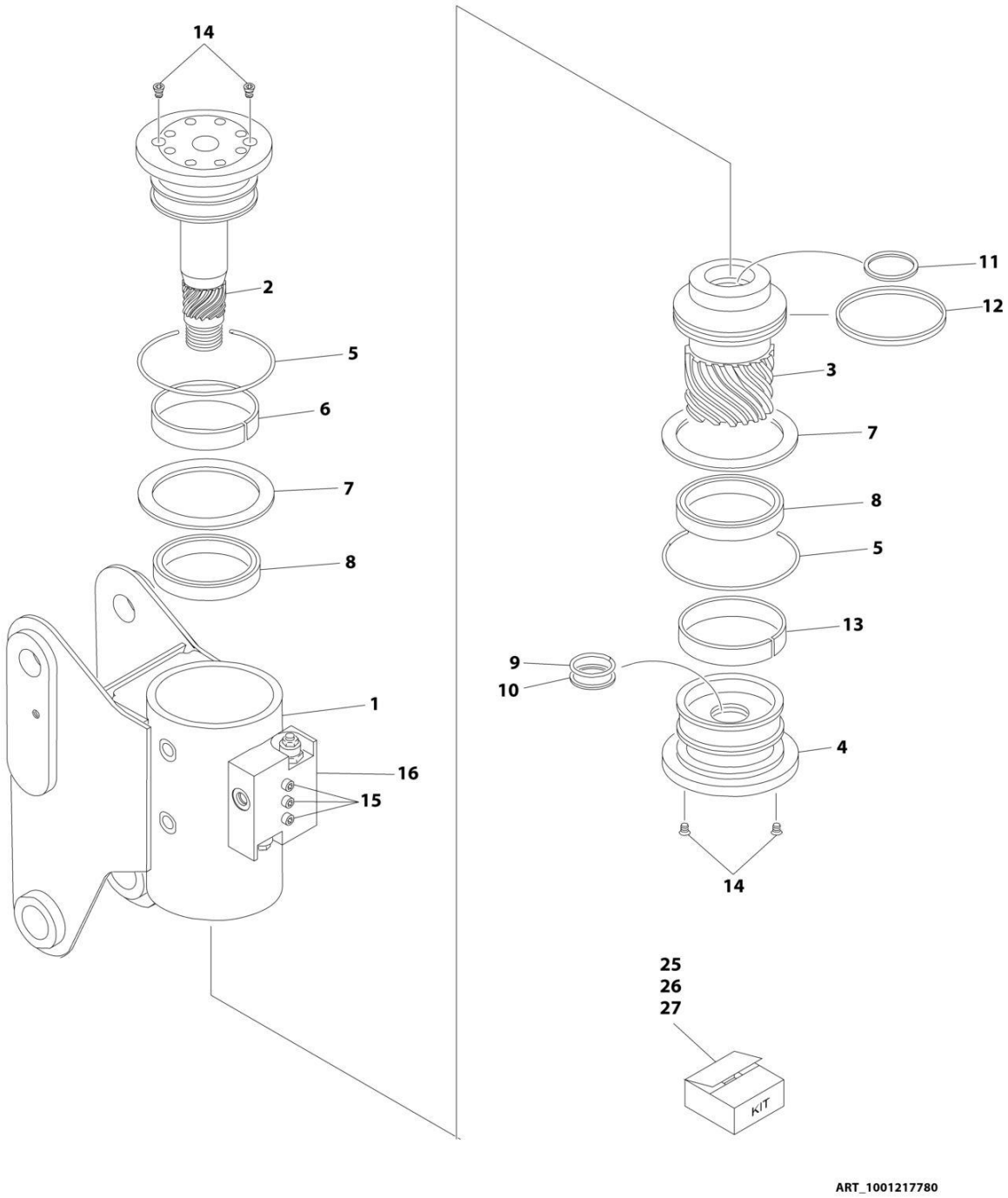


FIGURE 4-7. ROTATOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217780	Ref	ROTATOR ASSEMBLY	A
1	See Note	NSS	Housing/Ring Gear Assembly (Note: Not Available - Purchase Complete Assembly)	
2	7017162	1	Shaft	
2	7017195	2	Bushing, Shaft	
3	7017163	1	Piston/Sleeve Assembly	
4	7017164	1	Cap, End	
5	See Note	NSS	O-Ring (Note: Use Item 25)	
6	See Note	NSS	Bearing, Shaft (Note: Use Item 26)	
7	See Note	NSS	Washer, Thrust (Note: Use Item 26)	
8	See Note	NSS	Packing, Bearing (Note: Use Item 25)	
9	See Note	NSS	Seal, Cap (Note: Use Item 25)	
10	See Note	NSS	Ring, Back-up Cap (Note: Use Item 25)	
11	See Note	NSS	Seal, Rod (Note: Use Item 25)	
12	See Note	NSS	Seal, Piston (Note: Use Item 25)	
13	See Note	NSS	Bearing, Cap (Note: Use Item 26)	
14	70001697	6	Capscrew 1/4 x 3/8 Grade 8	
15	See Note	3	Bolt 1/4 x 1-1/2 Grade 8 (Note: Not Available - Purchase Locally)	
16	7017172	1	Valve Assembly	
16	7017192	2	Cartridge, Valve	
16	See Note	NSS	Seal Kit - 7017192 Valve (Note: Not Available - Purchase Cartridge)	
16	See Note	NSS	Cartridge, Valve (Not Shown - Located on Side of Block) (Note: Not Available - Purchase Complete Valve)	
16	See Note	NSS	Seal Kit - Valve Located on Side of Block (Note: Not Available - Purchase Cartridge)	
25	70000342	1	Seal Kit (Includes Items 5, 8-12 & 27)	
26	7017159	1	Bearing Kit (Includes Items 6, 7 & 13)	
27	7017142	1	Hardware Kit (Includes Dowel Pins, Plugs and Item 14)	

FIGURE 4-8. SUPPORT, PLATFORM INSTALLATION

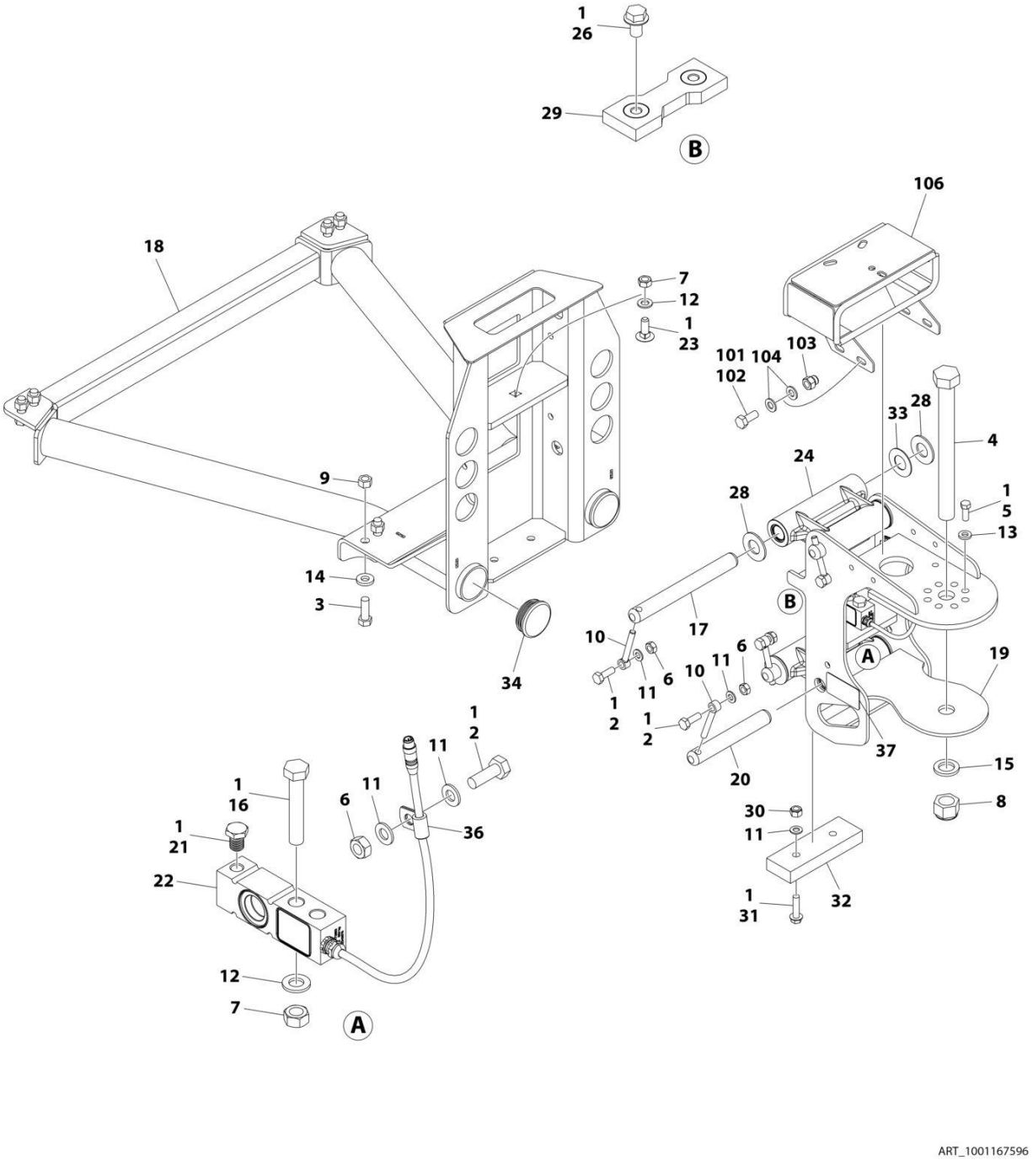


FIGURE 4-8. SUPPORT, PLATFORM INSTALLATION

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	
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	Gauge, Load Sensing	
23	1001188844	1	Bolt M12 x 35	
24	1001201351	2	Link	
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	

FIGURE 4-9. BOOM VALVES AND PROXIMITY SWITCHES INSTALLATION

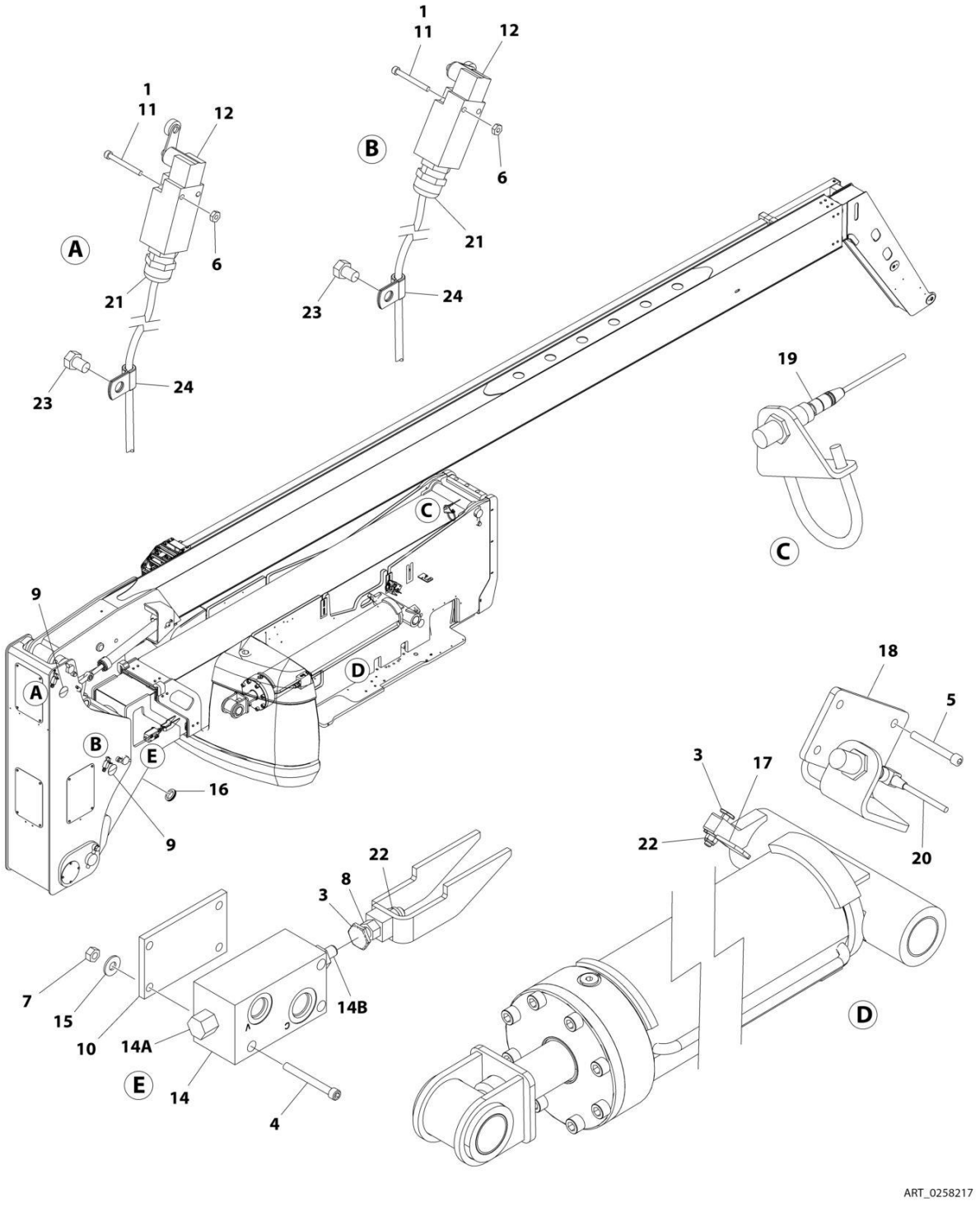


FIGURE 4-9. BOOM VALVES AND PROXIMITY SWITCHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0258217	Ref	BOOM VALVE AND LIMIT SWITCHES INSTALLATION	S
1	0100011	AR	Compound, Locking	
3	0630427	2	Bolt	
4	3931436	3	Capscrew 1/4 x 2-1/4	
5	3931464	3	Capscrew 1/4 x 4	
5	3931432	3	Capscrew 1/4 x 2	
6	3310801	4	Nut #8	
7	3311405	AR	Nut 1/4	
8	3311801	1	Nut 1/2	
9	3520035	2	Plug	
10	3570928	2	Plate, Spacer	
11	3930824	2	Capscrew #8 x 1-1/2	
12	4360578	2	Switch, Limit	
14	4641435	2	Valve, Switch	
14A	7011342	2	Valve, Check (1 Per Assembly)	
14A	7011333	2	Seal Kit - Check Valve (1 Per Assembly)	
14B	See Note	NSS	Valve, Plunger (1 Per Assembly) (Note: Not Available - Purchase Complete Valve Assembly)	
14B	See Note	NSS	Seal Kit (1 Per Assembly) (Note: Not Available for Purchase)	
15	4751400	AR	Washer 1/4	
16	4060805	7 in/25cm	Trim	
17	3572606	1	Plate, Switch Target	
18	3572607	1	Plate, Switch Mount	
19	4360498	1	Switch, Proximity	
20	4360499	1	Switch, Proximity	
21	4460968	2	Connector, Strain Relief	
22	88521008	2	Nut 1/2	
23	0641604	2	Bolt 3/8 x 1/2	
24	91203039	2	Clamp	

FIGURE 4-10. BOOM VALVES AND PROXIMITY SWITCHES INSTALLATION WITH TOWER STOW

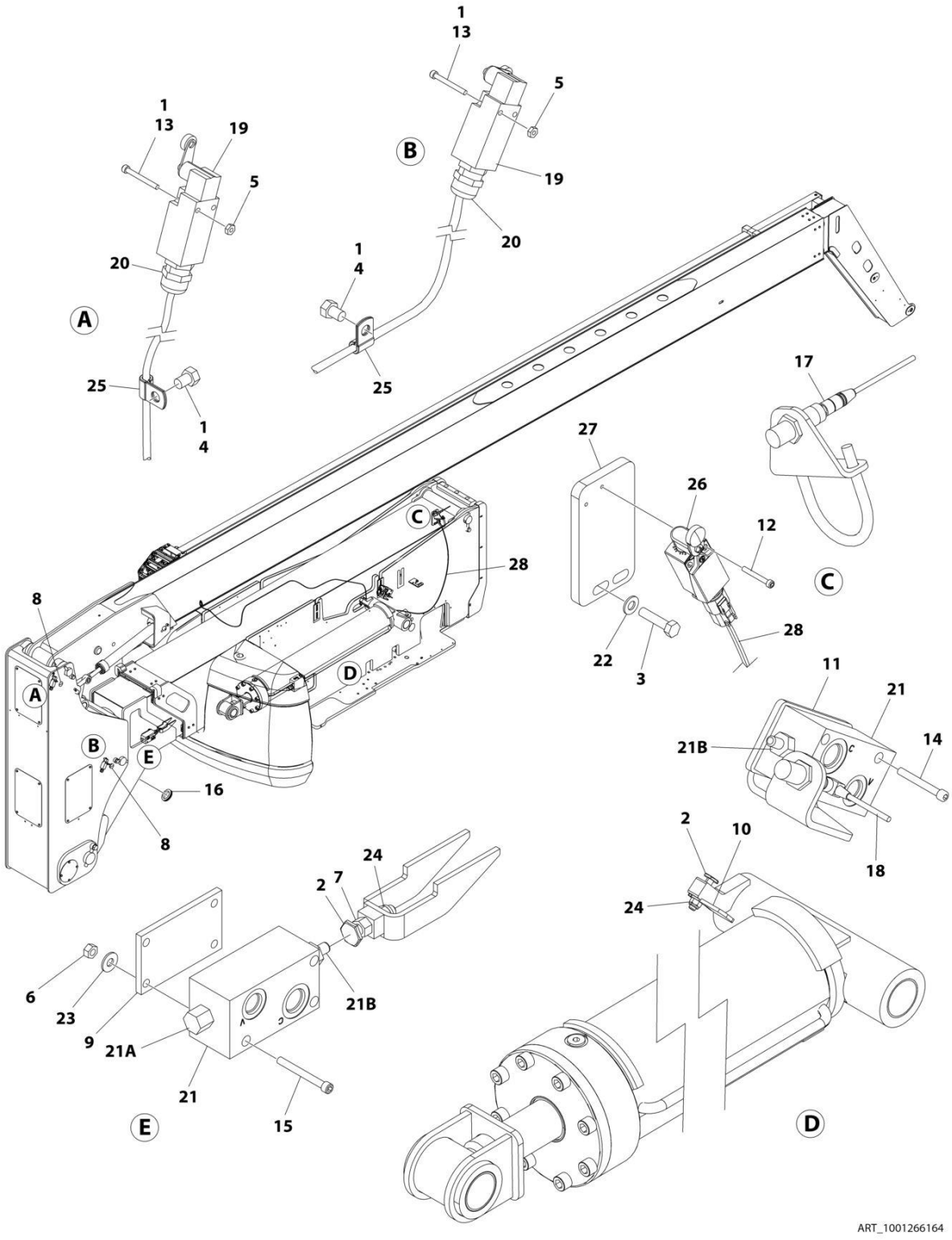


FIGURE 4-10. BOOM VALVES AND PROXIMITY SWITCHES INSTALLATION WITH TOWER STOW

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266164	Ref	BOOM VALVE AND LIMIT SWITCHES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0630427	2	Bolt	
3	0641511	2	Bolt 5/16 x 1-3/8	
4	0641604	2	Bolt 3/8 x 1/2	
5	3310801	4	Nut #8	
6	3311405	3	Nut 1/4	
7	3311801	1	Nut 1/2	
8	3520035	2	Plug	
9	3570928	1	Plate, Spacer	
10	3572606	1	Plate, Switch Target	
11	3572607	1	Plate, Switch Mount	
12	3930820	2	Capscrew #8 x 1-1/4	
13	3930824	4	Capscrew #8 x 1-1/2	
14	3931432	3	Capscrew 1/4 x 2	
15	3931436	3	Capscrew 1/4 x 2-1/4	
16	4060805	6 in/1.9 m	Trim	
17	4360498	1	Switch, Proximity	
18	4360499	2	Switch, Proximity	
19	4360578	2	Switch, Limit	
20	4460968	2	Connector, Strain Relief	
21	4641435	2	Valve, Switch	
21A	7011342	2	Valve, Check (1 Per Assembly)	
21A	7011333	2	Seal Kit - Check Valve (1 Per Assembly)	
21B	See Note	NSS	Valve, Plunger (1 Per Assembly) (Note: Not Available - Purchase Complete Valve Assembly)	
21B	See Note	NSS	Seal Kit (1 Per Assembly) (Note: Not Available for Purchase)	
22	4711500	2	Washer 5/16	
23	4751400	3	Washer 1/4	
24	88521008	2	Nut 1/2	
25	91203039	2	Clamp	
26	1001172271	1	Switch, Roller Limit	
27	1001260475	1	Bracket, Limit Switch	
28	1001266829	1	Harness Tower Stow	
28	4460884	1	Plug, Male - 4 Position	
28	4460465	2	Socket, Female	
28	4460910	1	Connector	
28	1001116695	2	Terminal	

FIGURE 4-11. CONTROL VALVES INSTALLATION - WITH 2WS

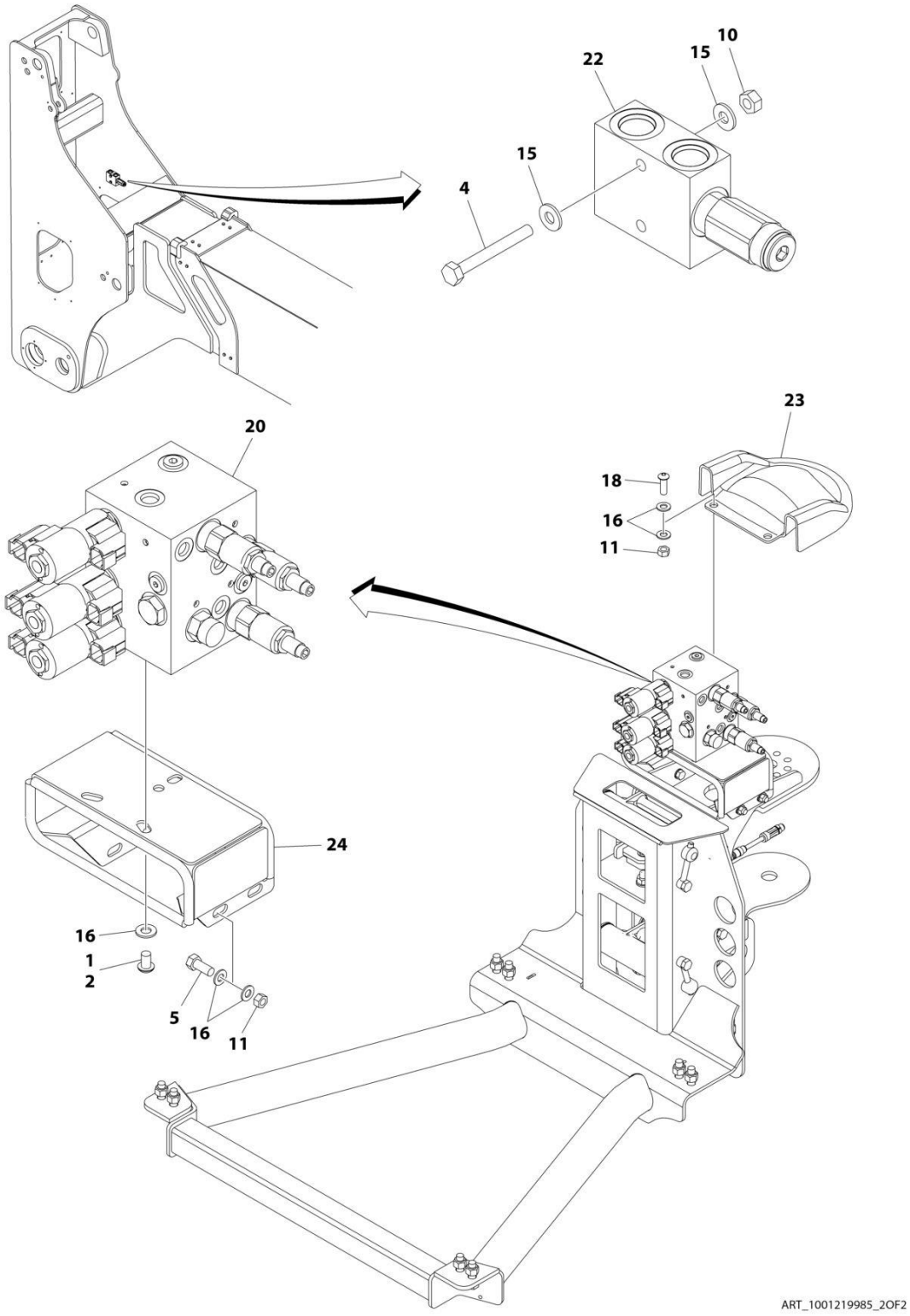


FIGURE 4-11. CONTROL VALVES INSTALLATION - WITH 2WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219985	Ref	BOOM VALVES INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0630467	3	Screw 5/16 x 1/2	
4	0641418	4	Bolt 1/4 x 2-1/4	
5	0641507	4	Bolt 5/16 x 7/8	
10	3311405	2	Nut 1/4	
11	3311505	6	Nut 5/16	
15	4711400	11	Washer 1/4	
16	4711500	15	Washer 5/16	
18	88261024	2	Capscrew 5/16 x 1	
20	1001152565	1	Boom Valve Assembly (See Separate Breakdown in this Section)	
22	1001200054	1	Valve Assembly (Relief)	
22	7012970	1	Cartridge, Valve	
22	7012953	1	Seal Kit - 7012970 Valve	
23	1001207969	1	Cover	
24	1001208994	1	Mount	

FIGURE 4-12. CONTROL VALVES INSTALLATION - WITH 4WS

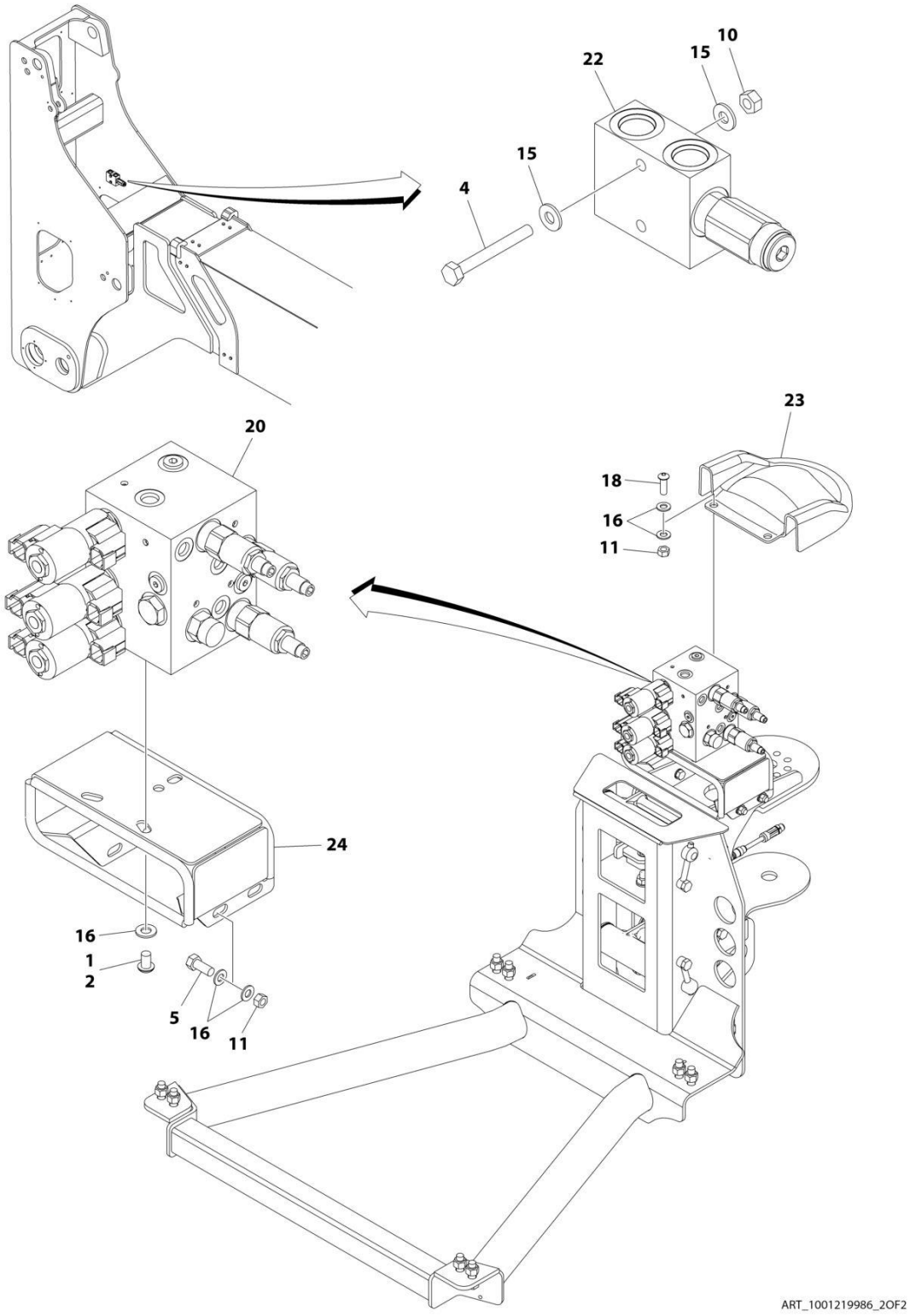


FIGURE 4-12. CONTROL VALVES INSTALLATION - WITH 4WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219986	Ref	BOOM VALVES INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0630467	3	Screw 5/16 x 1/2	
4	0641418	2	Bolt 1/4 x 2-1/4	
5	0641507	1	Bolt 5/16 x 7/8	
10	3311405	2	Nut 1/4	
11	3311505	6	Nut 5/16	
15	4711400	11	Washer 1/4	
16	4711500	15	Washer 5/16	
18	88261024	2	Capscrew 5/16 x 1	
20	1001152565	1	Boom Valve Assembly (See Separate Breakdown in this Section)	
22	1001200054	1	Valve Assembly (Relief)	
22	7012970	1	Cartridge, Valve	
22	7012953	1	Seal Kit - 7012970 Valve	
23	1001207969	1	Cover	
24	1001208994	1	Mount	

FIGURE 4-13. BOOM VALVE ASSEMBLY

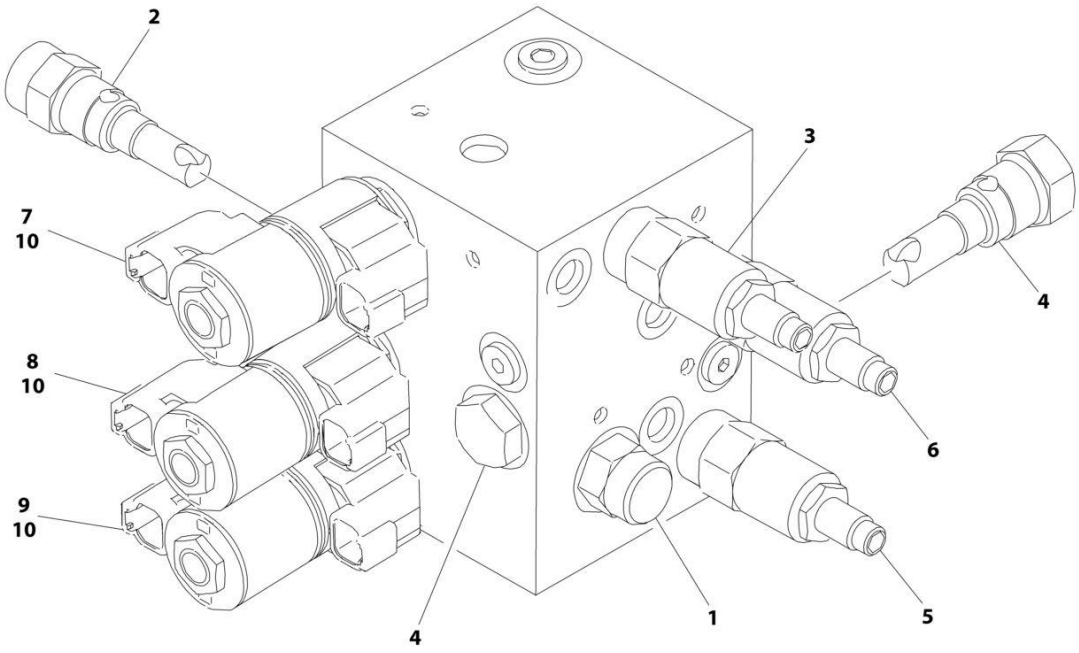


FIGURE 4-13. BOOM VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152565	Ref	BOOM VALVE ASSEMBLY	C
1	7012989	1	Valve, Flow	
1	7012953	1	Seal Kit - 7012989 Valve	
2	7012965	1	Valve, Flow	
2	7012953	1	Seal Kit - 7012965 Valve	
3	70003790	1	Valve, Relief	
3	7021653	1	Seal Kit - 70003790 Valve	
4	7012914	2	Valve, Cartridge	
4	7012918	2	Seal Kit - 7012914 Valve	
5	7023911	1	Valve, Relief	
5	7012967	1	Seal Kit - 7023911 Valve	
6	7023912	1	Valve, Relief	
6	7012967	1	Seal Kit - 7023912 Valve	
7	7017452	1	Valve, Solenoid (Jib)	
7	7017402	2	Seal Kit - 7017452 Valve	
8	7017452	1	Valve, Solenoid (Platform Level)	
8	7017402	1	Seal Kit - 7017452 Valve	
9	7017452	1	Valve, Solenoid (Rotator)	
9	7017402	2	Seal Kit - 7017452 Valve	
10	70002386	6	Coil	
11	70002064	2	Plug, Orifice (Not Shown)	
12	7017406	2	Plug (Not Shown)	

FIGURE 4-14. CONTROL VALVE ASSEMBLY

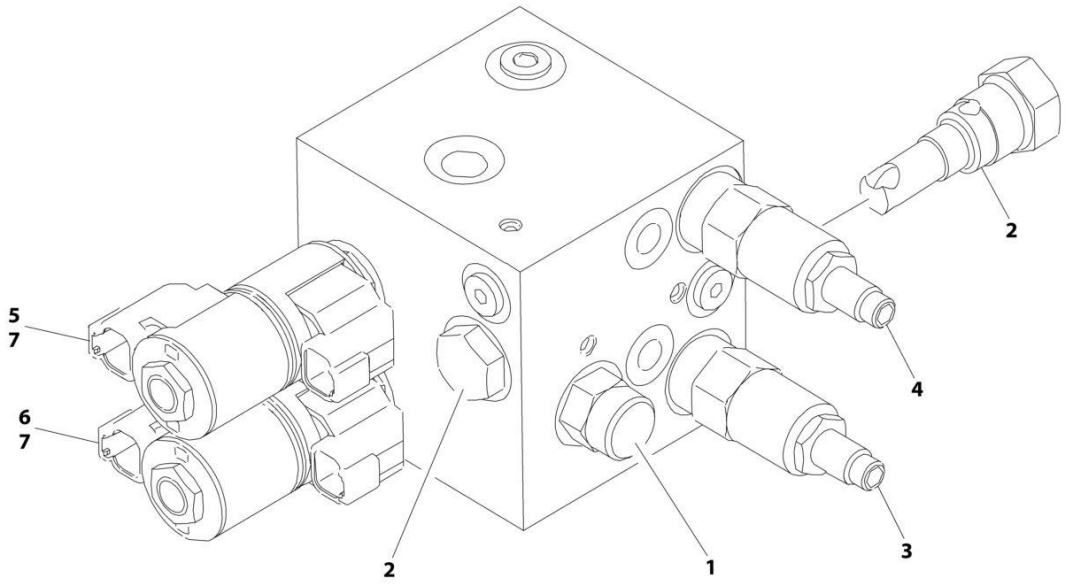


FIGURE 4-14. CONTROL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152564	Ref	CONTROL VALVE ASSEMBLY	D
1	7012965	1	Valve, Flow	
1	7012953	1	Seal Kit - 7012965 Valves	
2	7012914	2	Valve, Cartridge	
2	7012918	2	Seal Kit - 7012914 Valve	
3	7023911	1	Valve, Relief	
3	7012967	1	Seal Kit - 7023911 Valve	
4	7023912	1	Valve, Relief	
4	7012967	1	Seal Kit - 7023912 Valve	
5	7017452	1	Valve, Solenoid (Platform Level)	
5	7017402	1	Seal Kit - 7017452 Valve	
6	7017452	1	Valve, Solenoid (Rotator)	
6	7017402	2	Seal Kit - 7017452 Valve	
7	70002386	4	Coil	
8	70002064	2	Plug, Orifice (Not Shown)	
9	7017406	2	Plug (Not Shown)	

FIGURE 4-15. POWER TRACK INSTALLATION - MAIN BOOM

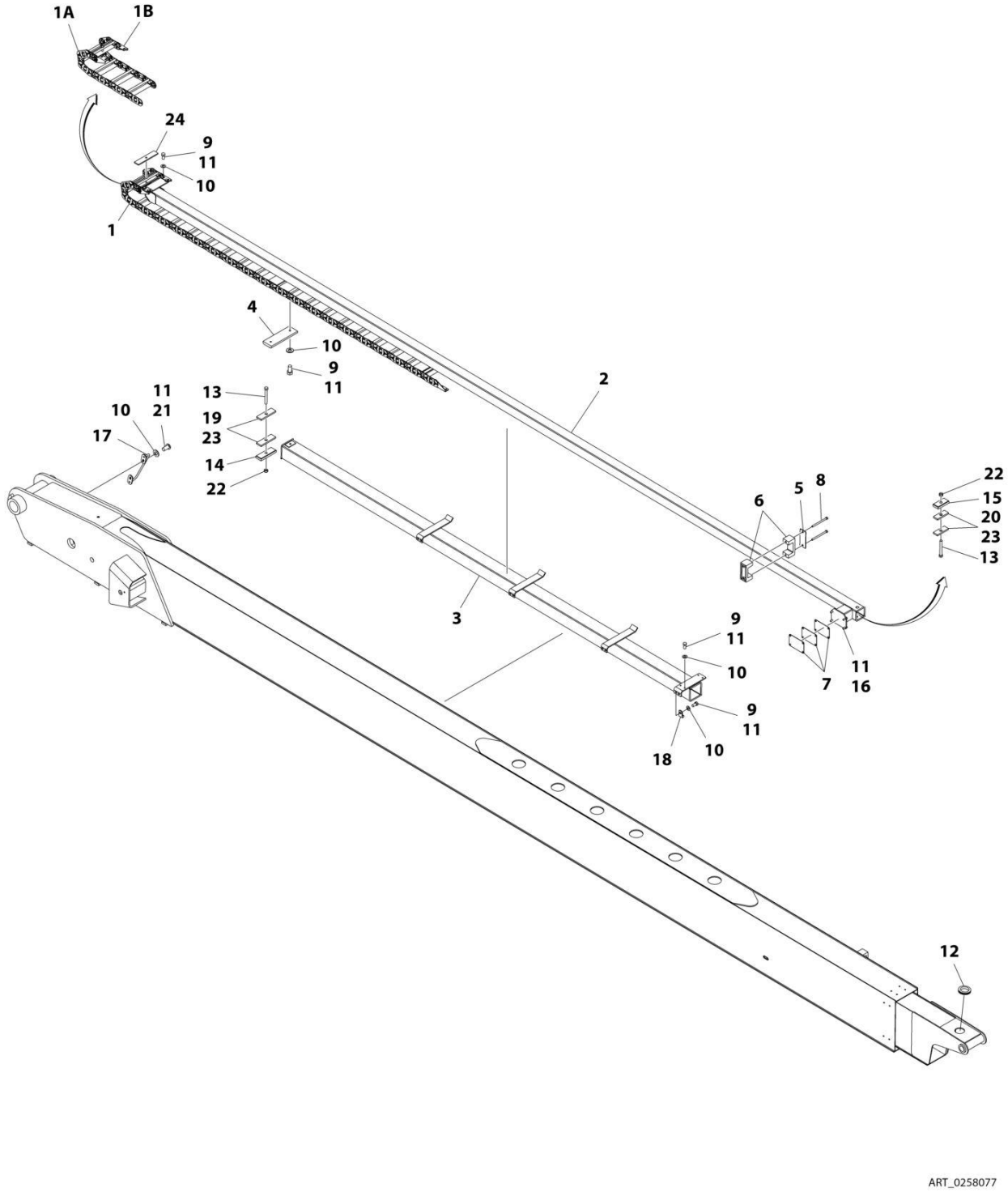


FIGURE 4-15. POWER TRACK INSTALLATION - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0258077	Ref	POWER TRACK INSTALLATION	M
1	1001099837	1	Track, Power	
1A	70002013	AR	Carrier Repair Section (Includes 1 Pin Assembly for each end)	
1B	70002014	1	Mounting Foot Kit (Includes Both Pair of Feet)	
2	1001170527	1	Tube, Push	
3	4845730	1	Support	
4	3340840	1	Pad	
5	1001136400	1	Plate. Backing	
5	3538758	1	Plate. Backing	
6	3340764	2	Pad	
7	4070969	3	Shim 16 Gauge	
8	0641640	2	Bolt 3/8 x 5	
9	0641606	18	Bolt 3/8 x 3/4	
10	4711600	20	Washer 3/8	
11	0100011	AR	Compound, Locking	
12	4060805	8 in/ 20cm	Flex-Trim	
13	0641624	2	Bolt 3/8 x 3	
14	1320289	1	Clamp	
15	1320288	1	Clamp	
16	0641607	4	Bolt 3/8 x 7/8	
17	3841406	1	Loop, Hose	
18	91203039	1	Pad	
19	3340943	2	Pad, Rubber	
20	3340941	2	Pad	
21	3900283	2	Screw 3/8 x 3/4	
22	3311605	2	Nut 3/8	
23	0100081	AR	Adhesive	
24	4071052	2	Shim 1/4	

FIGURE 4-16. POWER TRACK INSTALLATION - TOWER BOOM WITHOUT ARCTIC PACKAGE

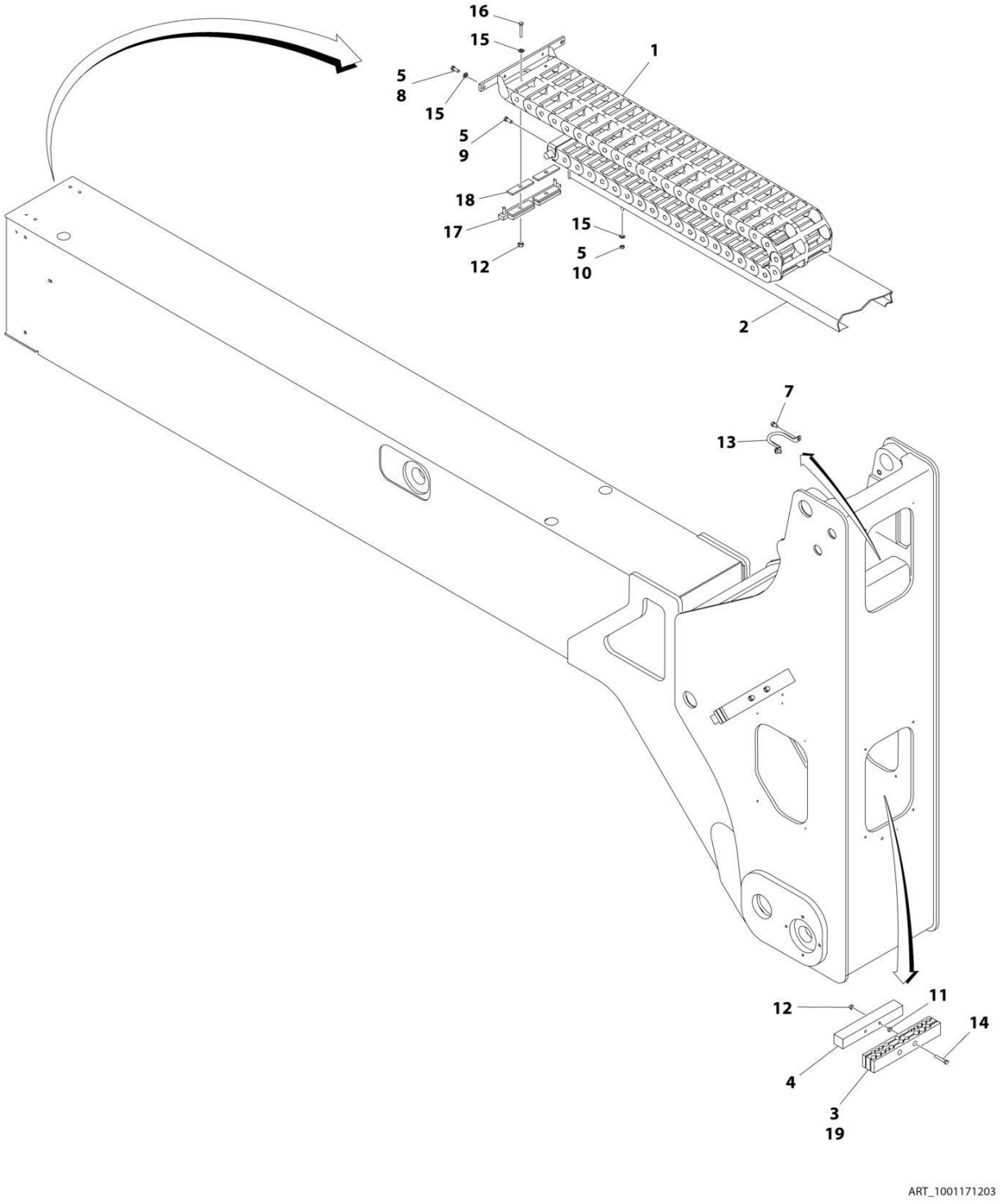


FIGURE 4-16. POWER TRACK INSTALLATION - TOWER BOOM WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171203	Ref	POWER TRACK INSTALLATION	D
1	1180346	1	Track, Power	
1	7020064	1	Bracket, End (Moving)	
1	7020065	1	Bracket, End (Fixed)	
1	7020066	1	Section, Repair	
1	7020067	1	Link, Repair	
2	4845680	1	Tube, Hose	
3	0100038	AR	Primer, Locking	
4	1320250	2	Bar	
5	0100011	AR	Compound, Locking	
7	0641605	2	Bolt 3/8 x 5/8	
8	0641606	2	Bolt 3/8 x 3/4	
9	0641622	2	Bolt 3/8 x 2-3/4	
10	3311601	4	Nut 3/8	
11	3311602	4	Nut 3/8	
12	3311605	6	Nut 3/8	
13	3841340	1	Rod, Hose Loop	
14	3900262	4	Bolt 3/8 x 4-3/4	
15	4711600	8	Washer 3/8	
16	0641624	2	Bolt 3/8 x 3	
17	0259420	1	Clamp	
17	3340859	2	Pad	
18	3340859	2	Pad	
19	1001172179	2	Clamp, Block	

FIGURE 4-17. POWER TRACK INSTALLATION - TOWER BOOM WITH ARCTIC PACKAGE

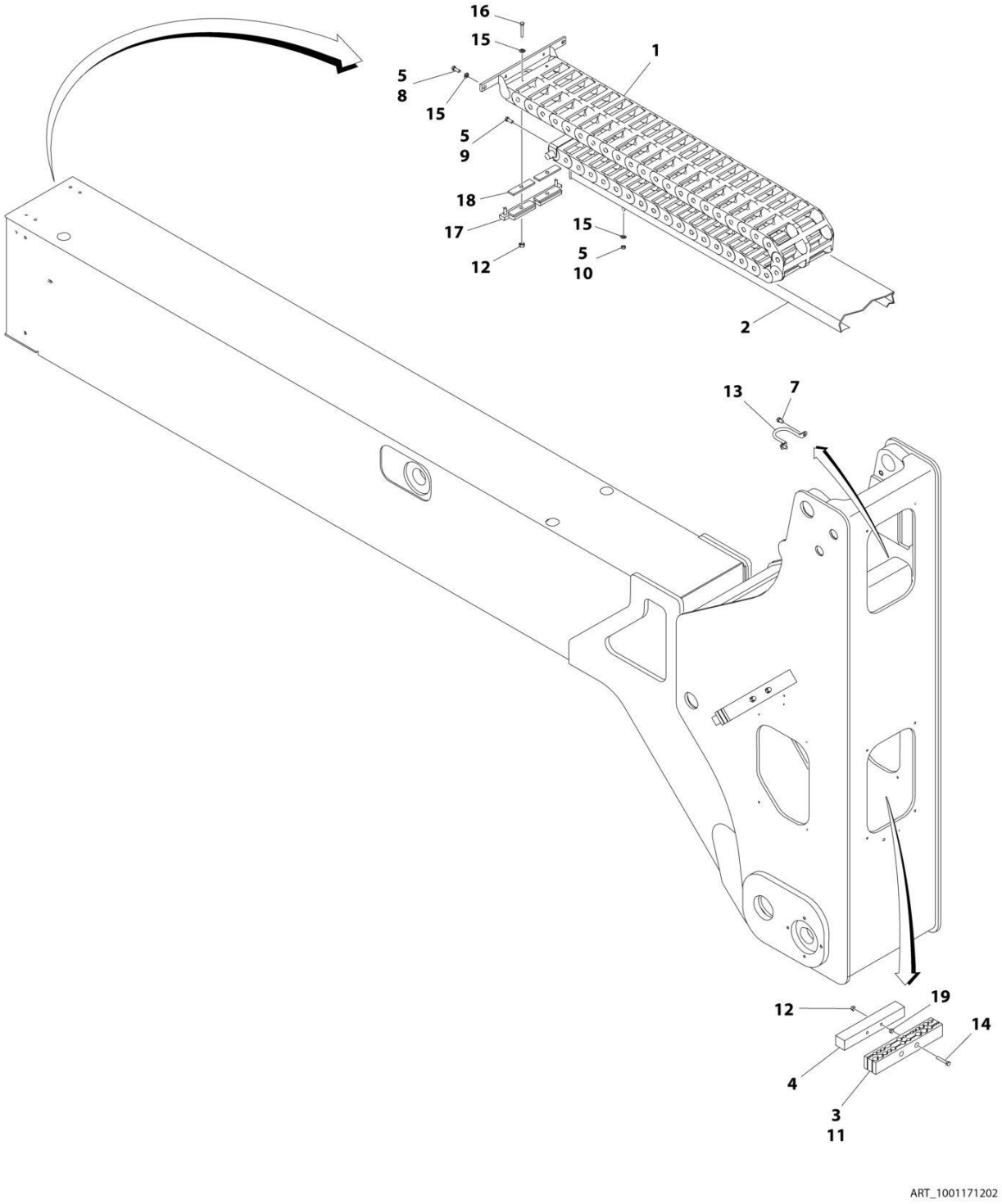


FIGURE 4-17. POWER TRACK INSTALLATION - TOWER BOOM WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171202	Ref	POWER TRACK INSTALLATION	C
1	1180346	1	Track, Power	
1	7020064	1	Bracket, End (Moving)	
1	7020065	1	Bracket, End (Fixed)	
1	7020066	1	Section, Repair	
1	7020067	1	Link, Repair	
2	4845680	1	Tube, Hose	
3	0100038	AR	Primer, Locking	
4	1320250	2	Bar	
5	0100011	AR	Compound, Locking	
7	0641605	2	Bolt 3/8 x 5/8	
8	0641606	2	Bolt 3/8 x 3/4	
9	0641622	2	Bolt 3/8 x 2-3/4	
10	3311601	4	Nut 3/8	
11	1001172179	2	Clamp, Block	
12	3311605	6	Nut 3/8	
13	3841340	1	Hose	
14	3900262	4	Bolt 3/8 x 4-3/4	
15	4711600	8	Washer 3/8	
16	0641624	2	Bolt 3/8 x 3	
17	0259420	1	Clamp	
17	3340859	2	Pad	
18	3340859	2	Pad	
19	3311602	4	Nut 3/8	

FIGURE 4-18. TRANSPORT POSITION SWITCH INSTALLATION

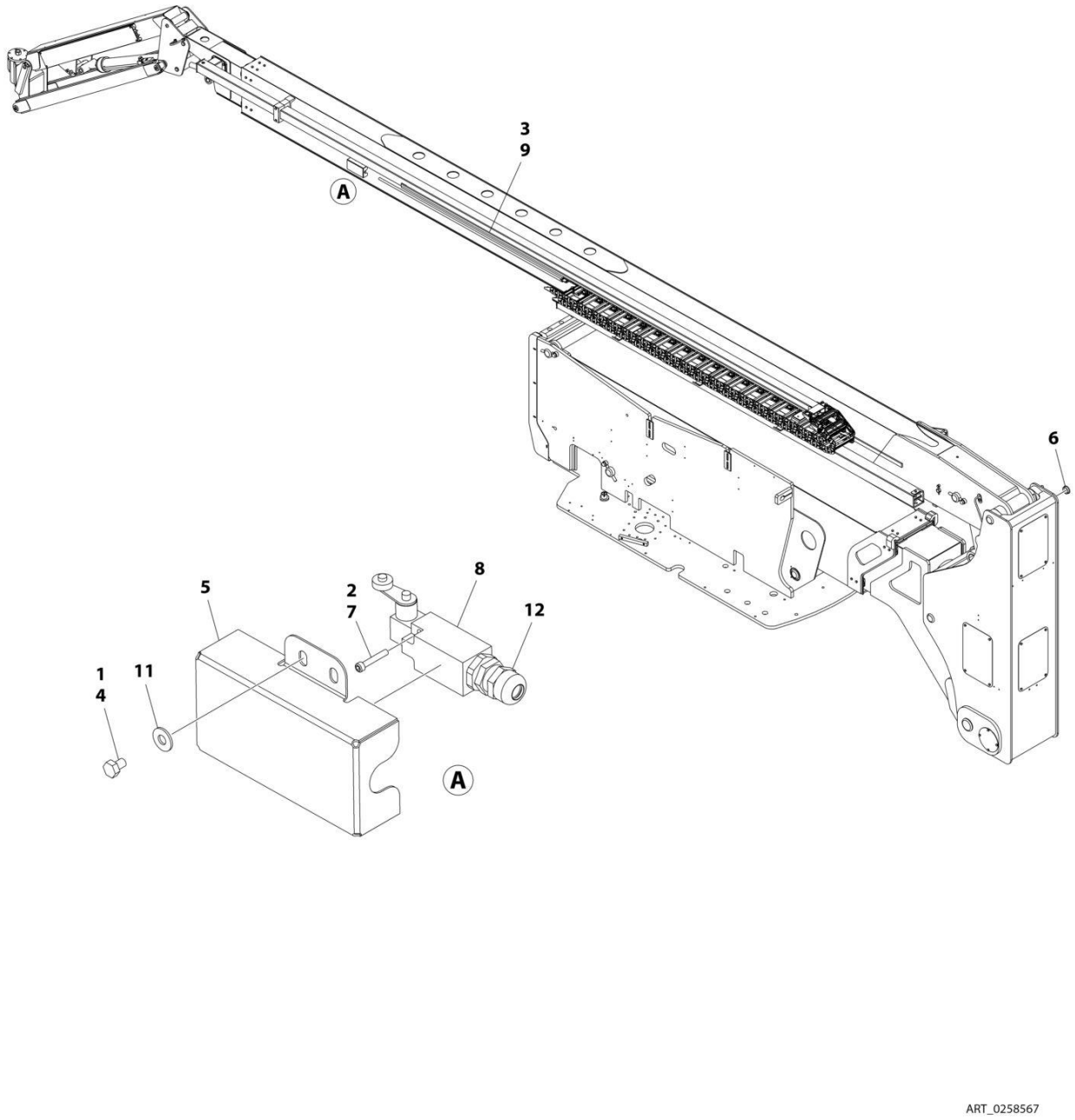


FIGURE 4-18. TRANSPORT POSITION SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0258567	Ref	TRANSPORT POSITION SWITCH INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100035	AR	Compound, Locking	
3	1001106481	1	Bar, Fiberglass	
4	0641403	4	Bolt 1/4 x 3/8	
5	3380535	1	Cover, Switch	
6	3520035	1	Plug, Cap	
7	3930816	2	Capscrew #8 x 1	
8	4360578	1	Switch, Limit	
9	4420060	AR	Tape	
11	4751400	4	Washer 1/4	
12	4460968	1	Connector, Strain Relief	

FIGURE 4-19. UPRIGHT TILT SENSOR INSTALLATION

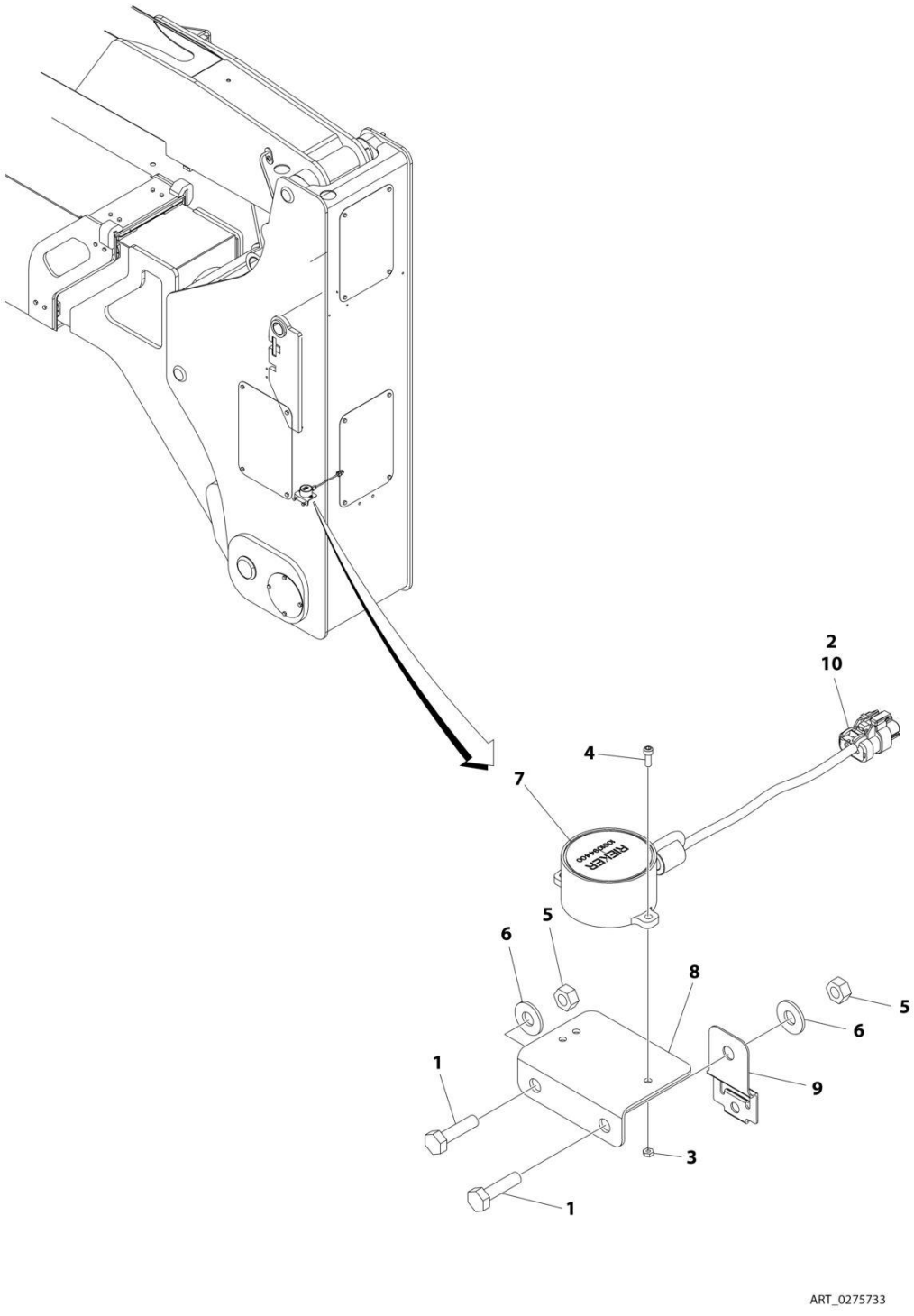


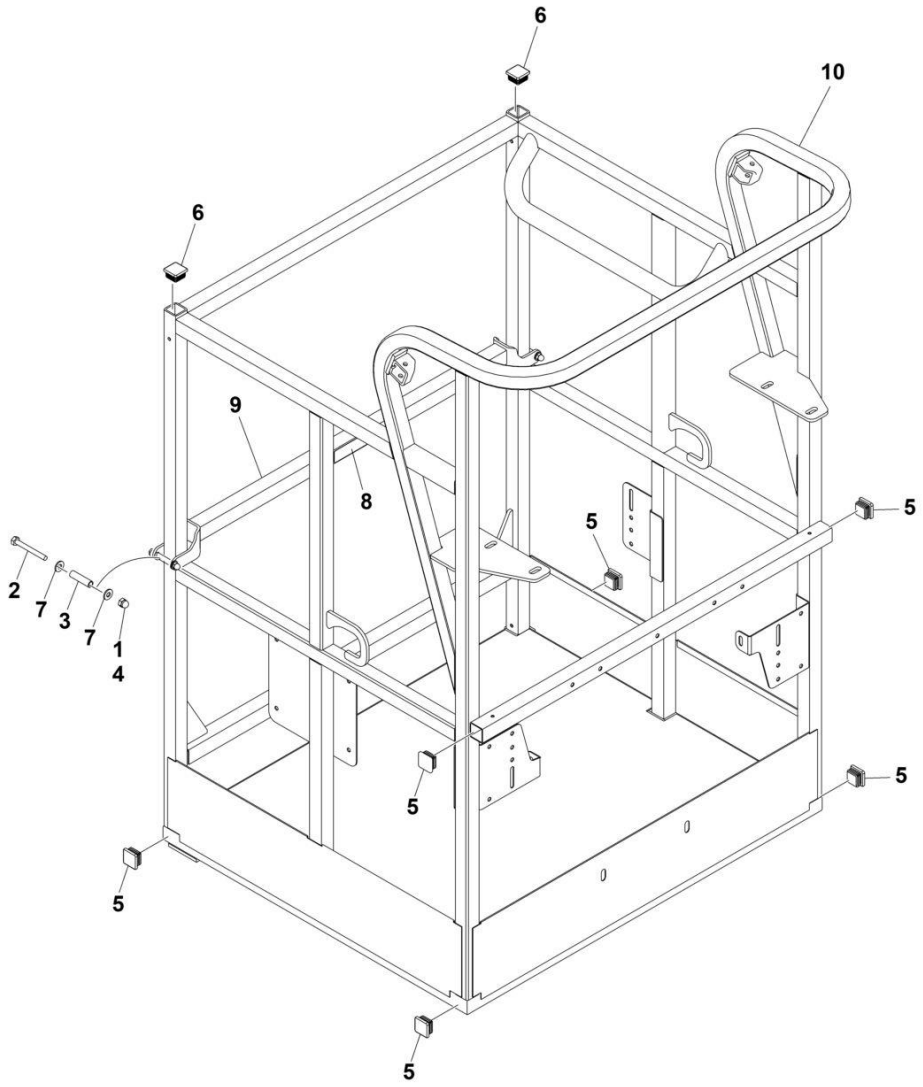
FIGURE 4-19. UPRIGHT TILT SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275733	Ref	TILT SENSOR INSTALLATION	B
1	0641408	2	Bolt 1/4 x 1	
2	0100048	AR	Grease, Dielectric	
3	3310605	3	Nut #6	
4	3930606	3	Screw #6 x 3/4	
5	3311405	2	Nut 1/4	
6	4751400	2	Washer 1/4	
7	1001094400	1	Sensor, Dual Axis	
8	1001096736	1	Bracket, Tilt Sensor	
9	1001153749	1	Clip	
10	1001200497	1	Connector - 3 Position	

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

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



ART_1001228215

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

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)	

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

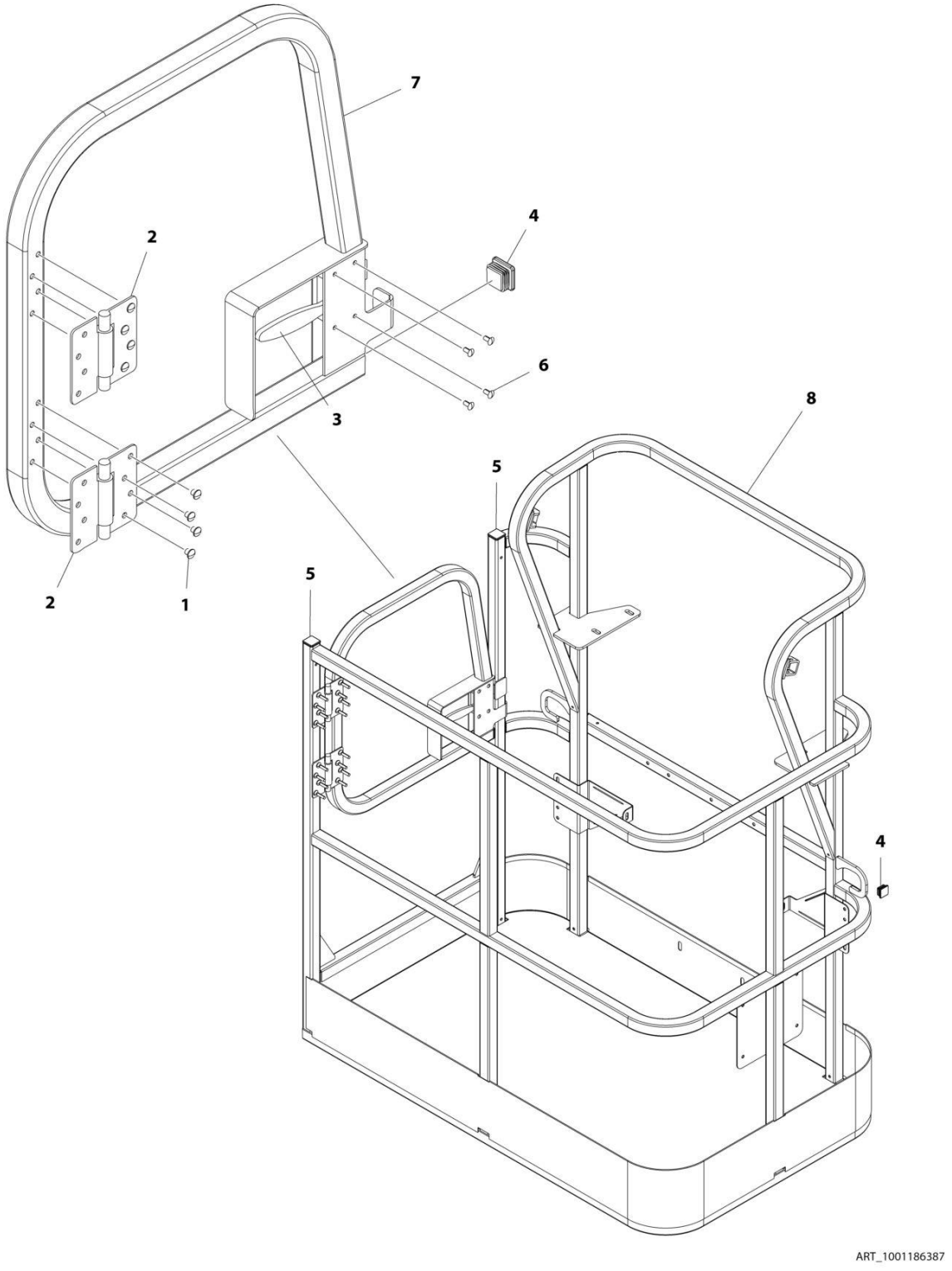


FIGURE 5-2. PLATFORM ASSEMBLY WITH GATE - 30IN X 4FT (76CM X 1.22M)

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

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

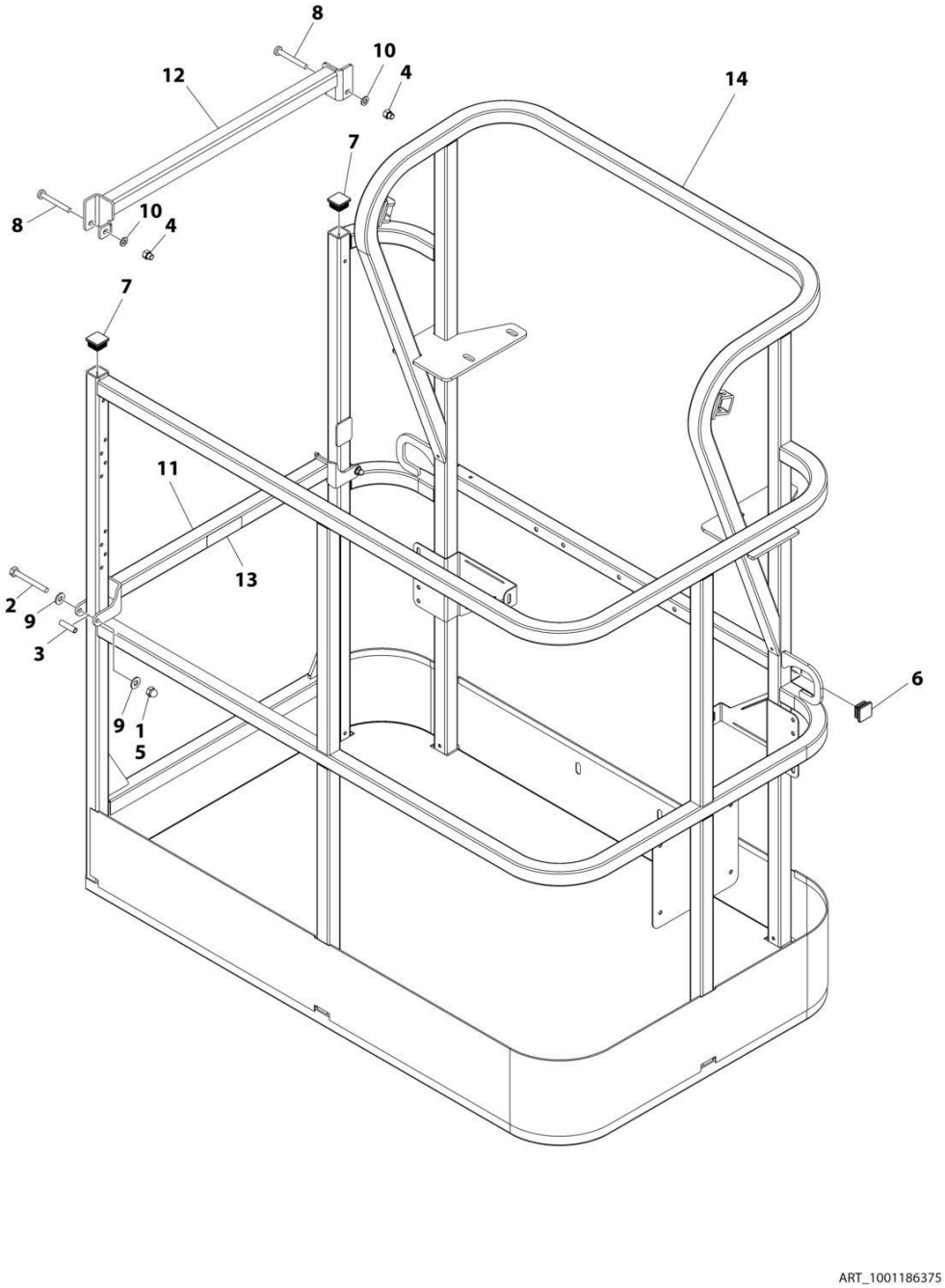


FIGURE 5-3. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 4FT (76CM X 1.22M)

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

FIGURE 5-4. PLATFORM ASSEMBLY WITH GATE - 30IN X 6FT (76CM X 1.83M)

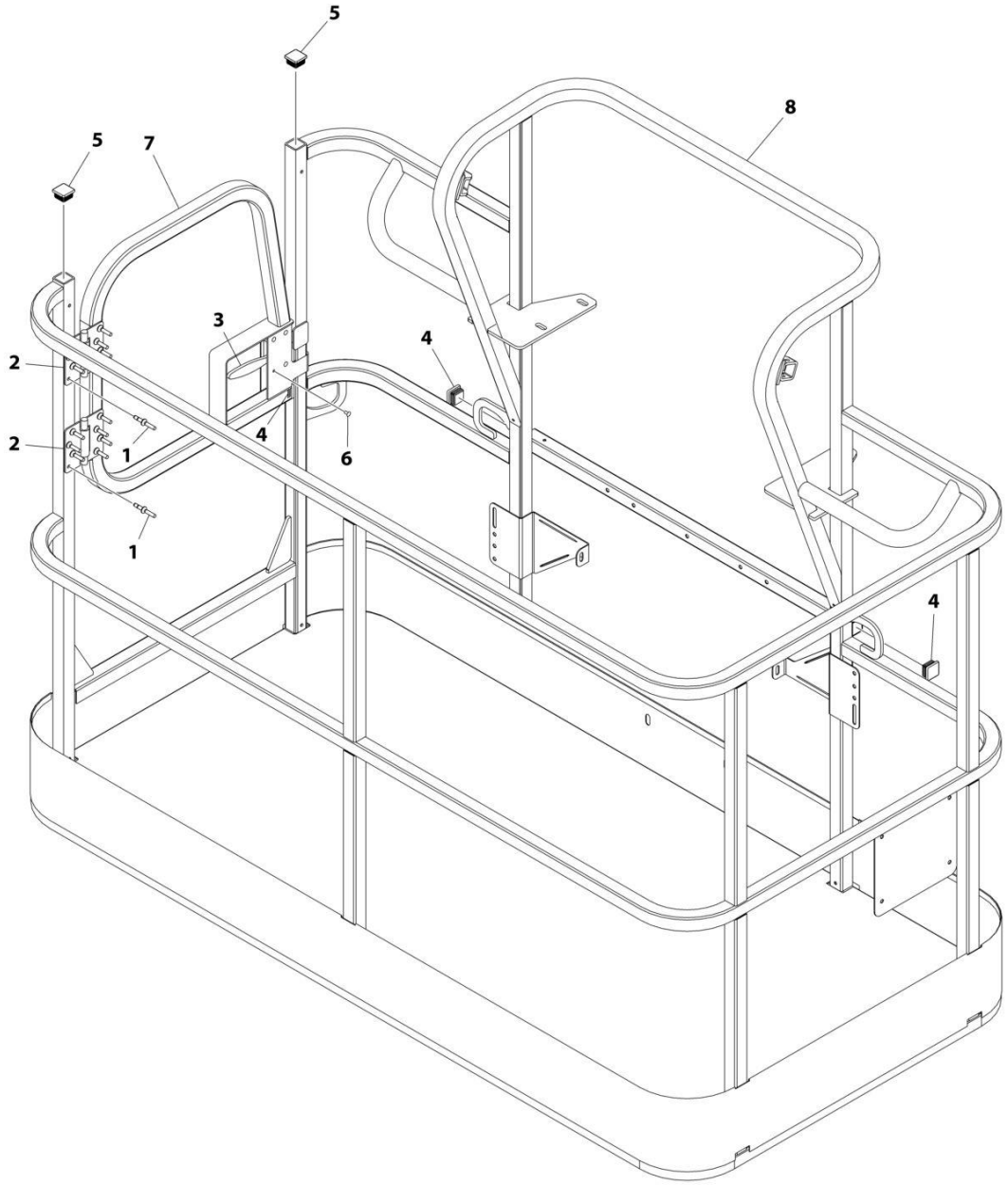


FIGURE 5-4. PLATFORM ASSEMBLY WITH GATE - 30IN X 6FT (76CM X 1.83M)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186385	Ref	PLATFORM ASSEMBLY	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)	

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

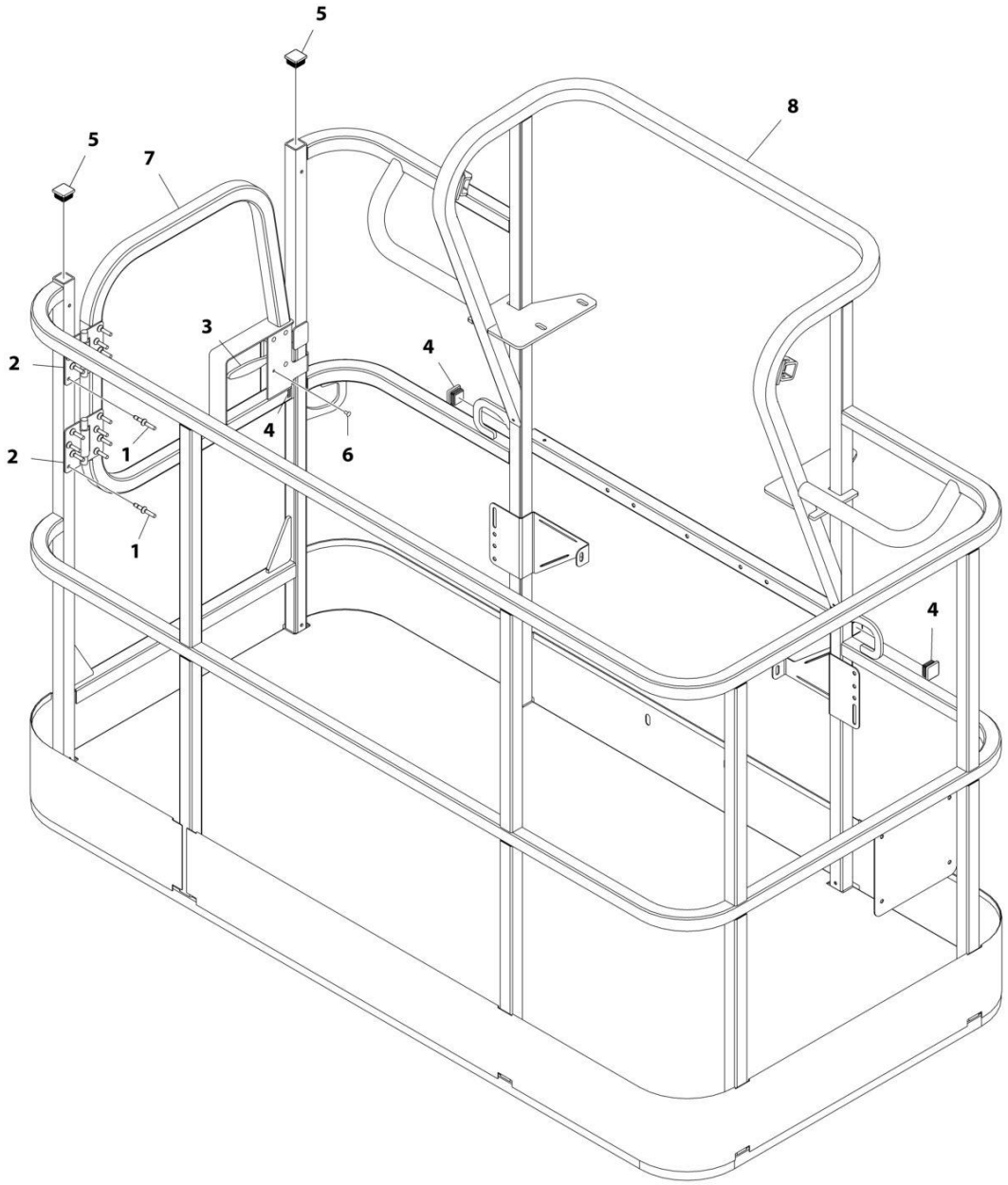


FIGURE 5-5. PLATFORM ASSEMBLY WITH GATE- 36IN X 6FT (91.5CM X 1.83M)

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)	

FIGURE 5-6. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 6FT (76CM X 1.83M)

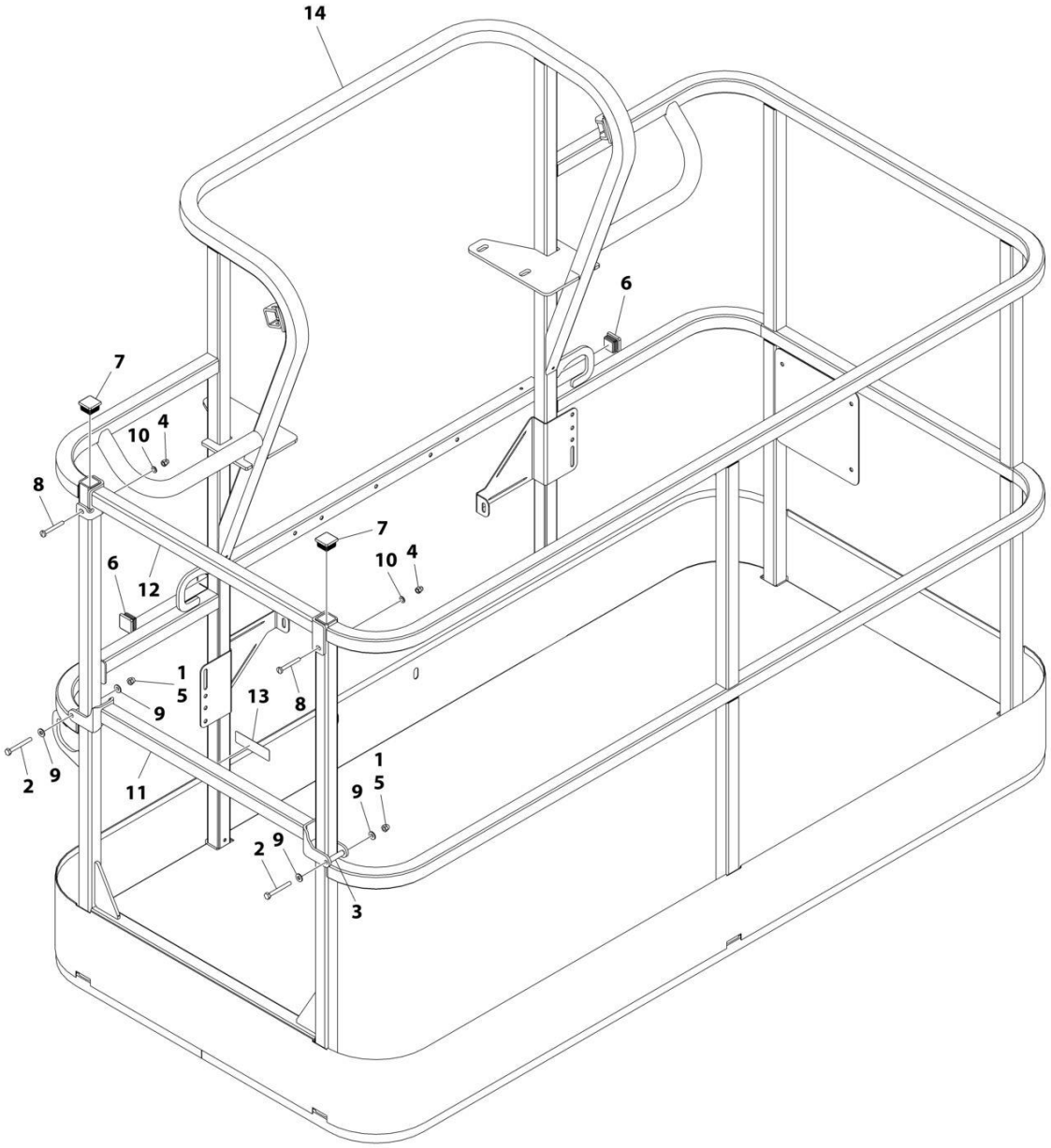


FIGURE 5-6. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 6FT (76CM X 1.83M)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186378	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	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)	

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

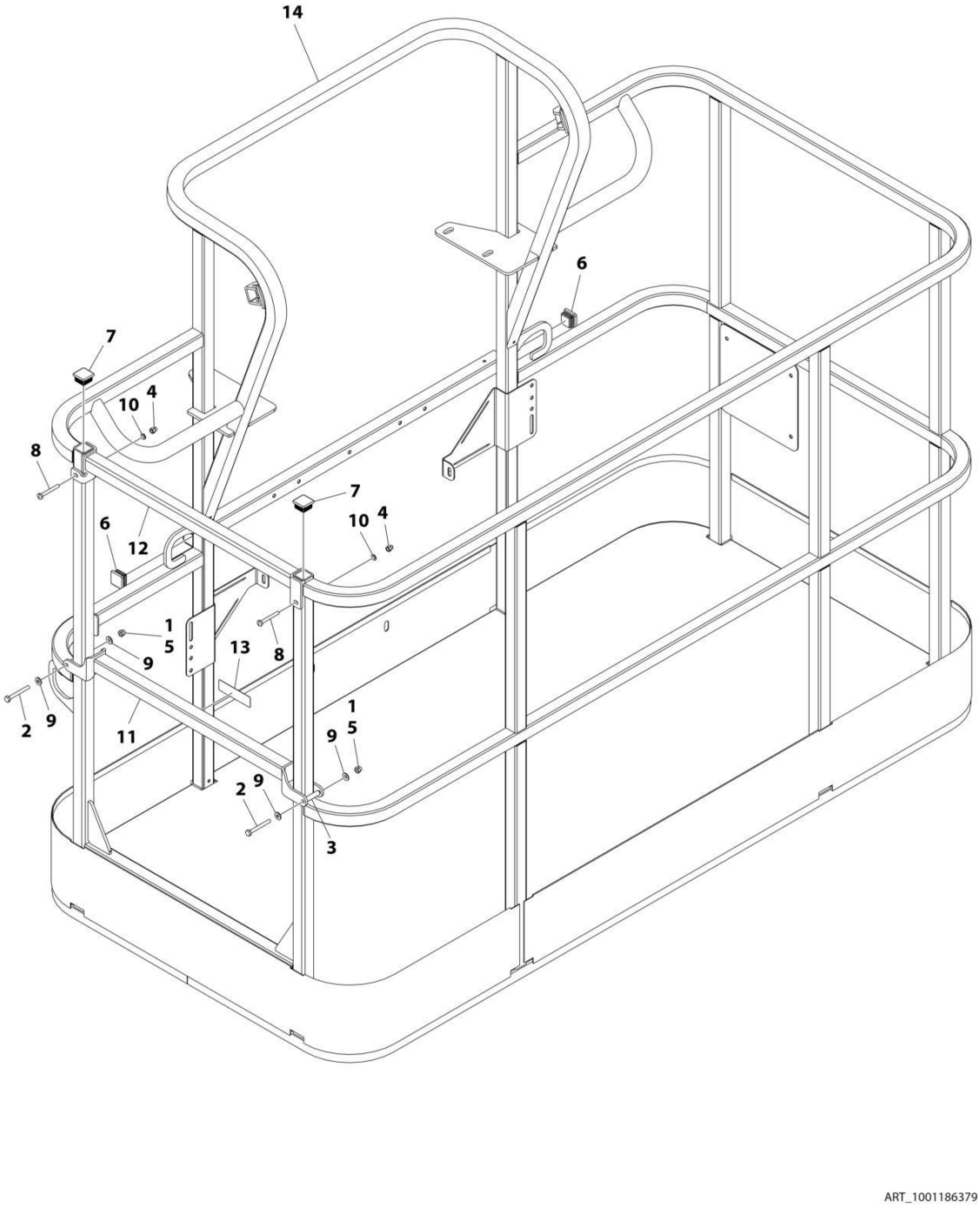


FIGURE 5-7. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 6FT (91.5CM X 1.83M)

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)	

FIGURE 5-8. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M)

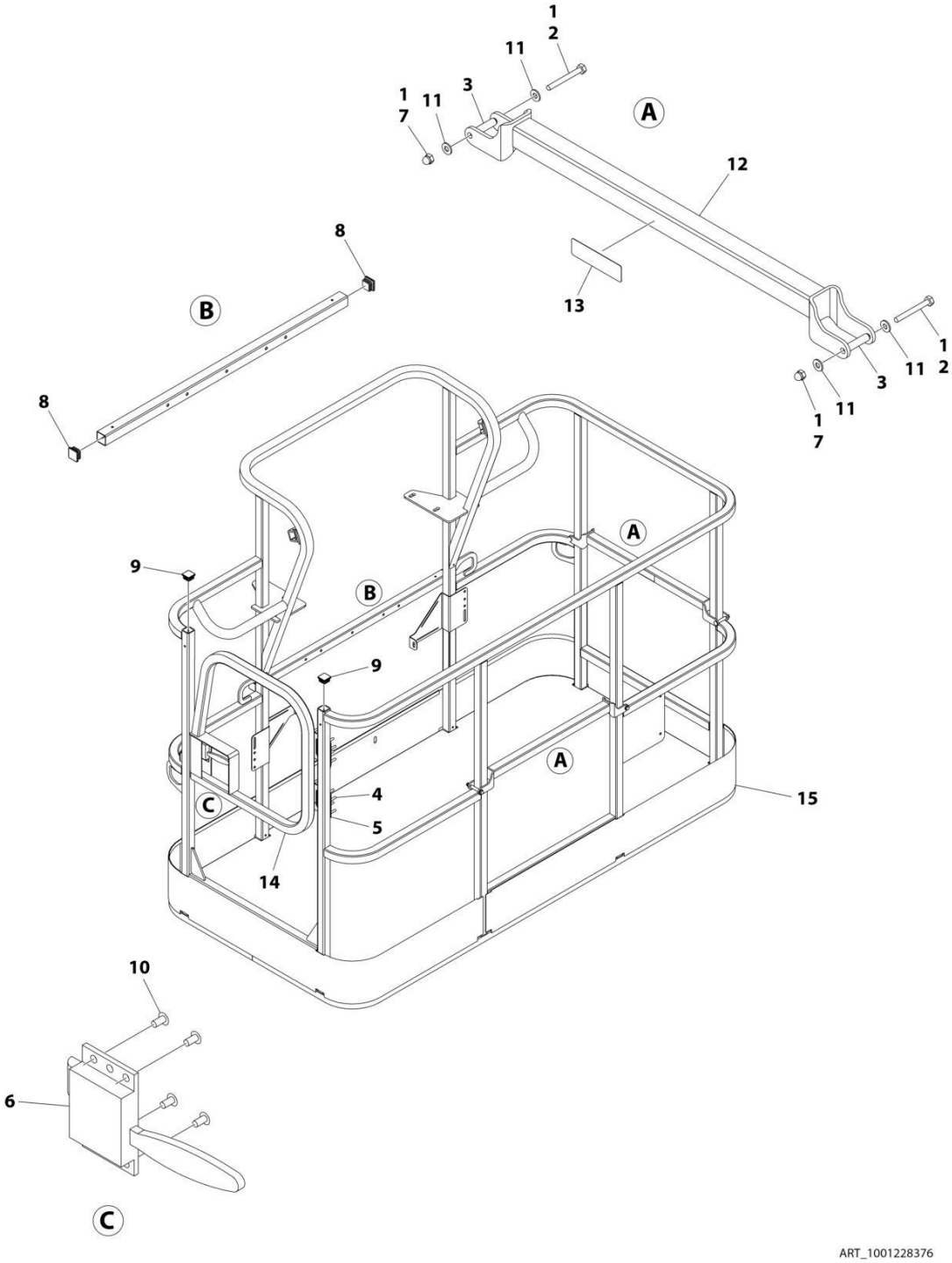


FIGURE 5-8. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M)

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 WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M)

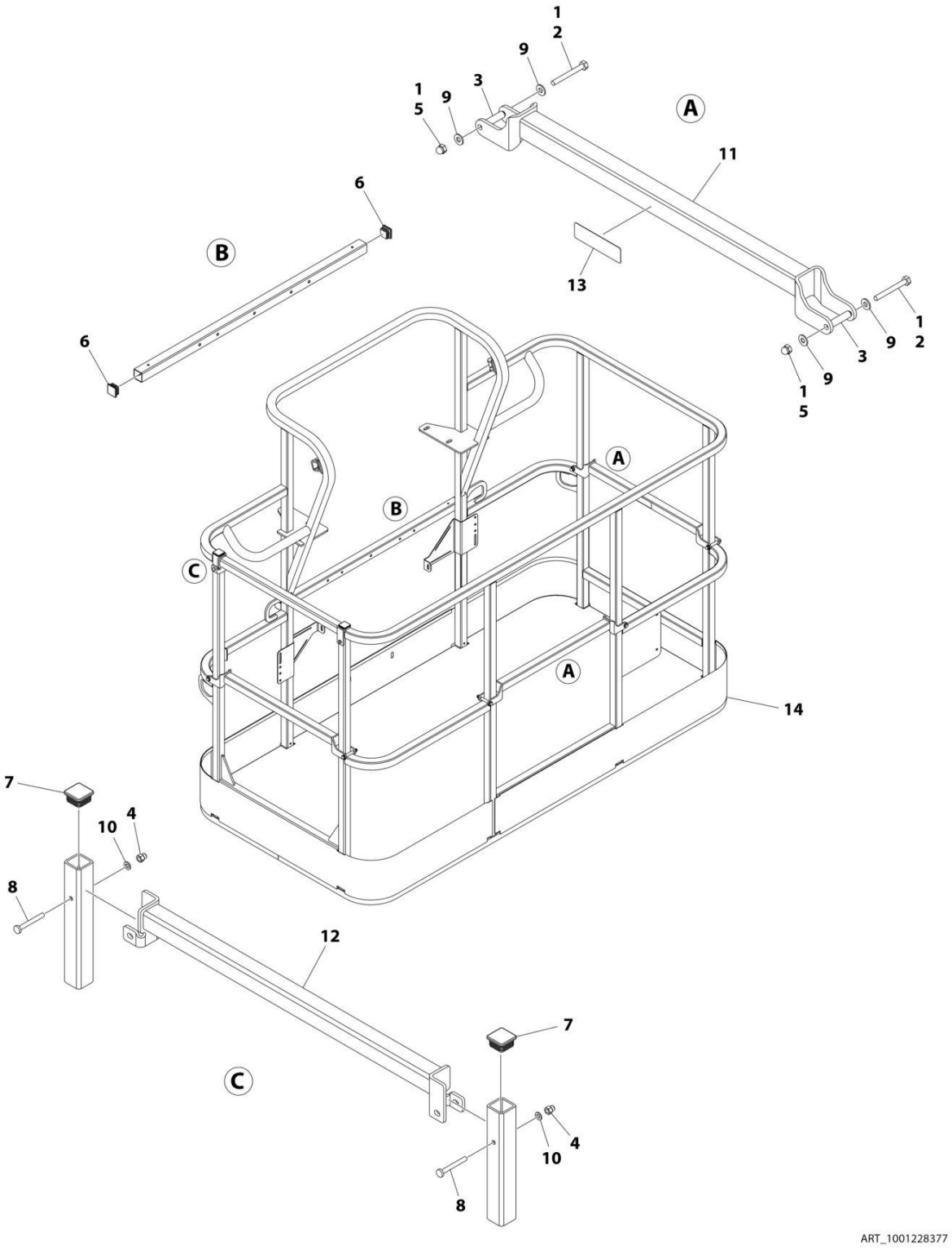


FIGURE 5-9. PLATFORM ASSEMBLY WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M)

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)	

FIGURE 5-10. PLATFORM ASSEMBLY WITH FALL ARREST (6FT)

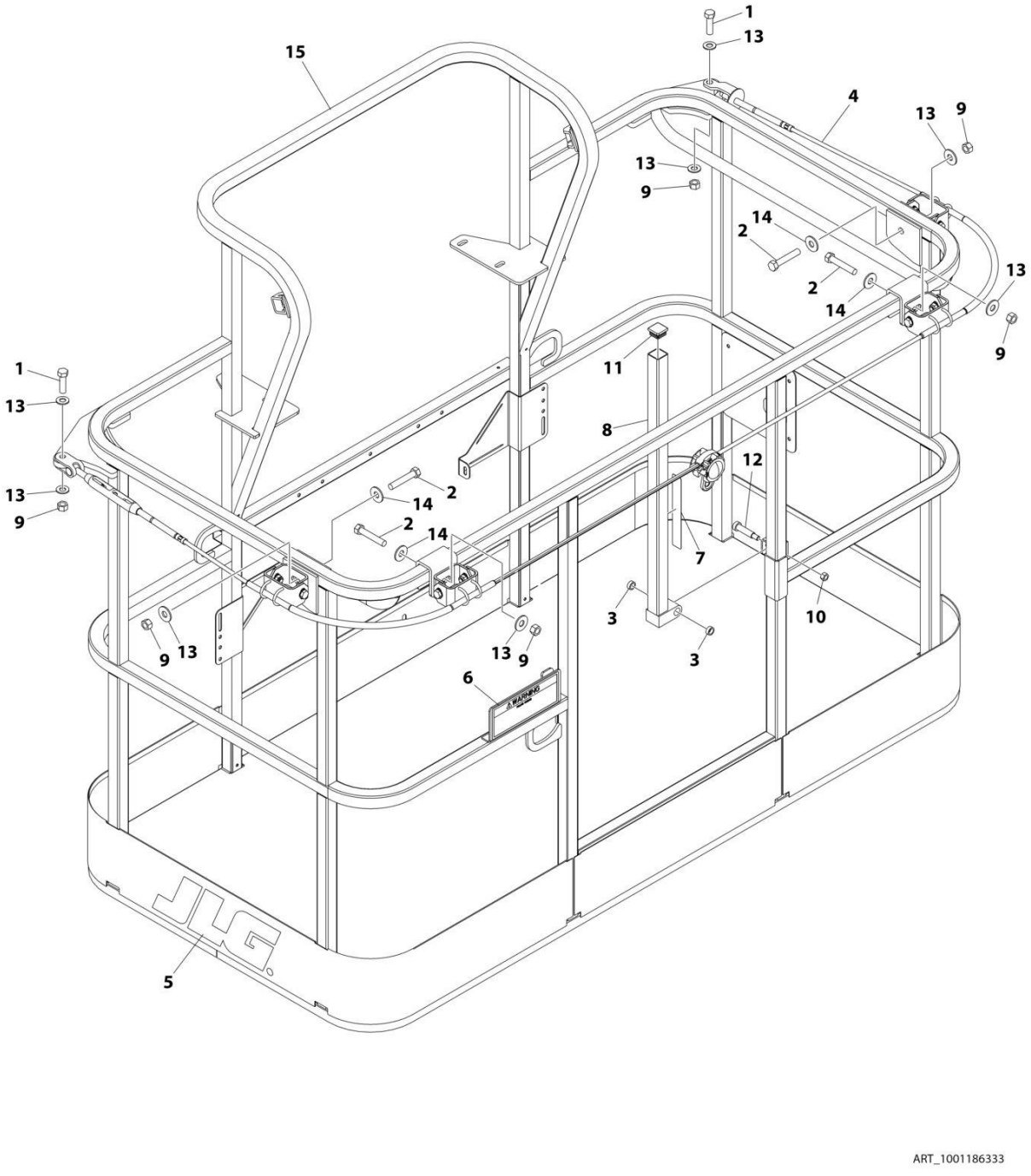


FIGURE 5-10. PLATFORM ASSEMBLY WITH FALL ARREST (6FT)

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)	

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

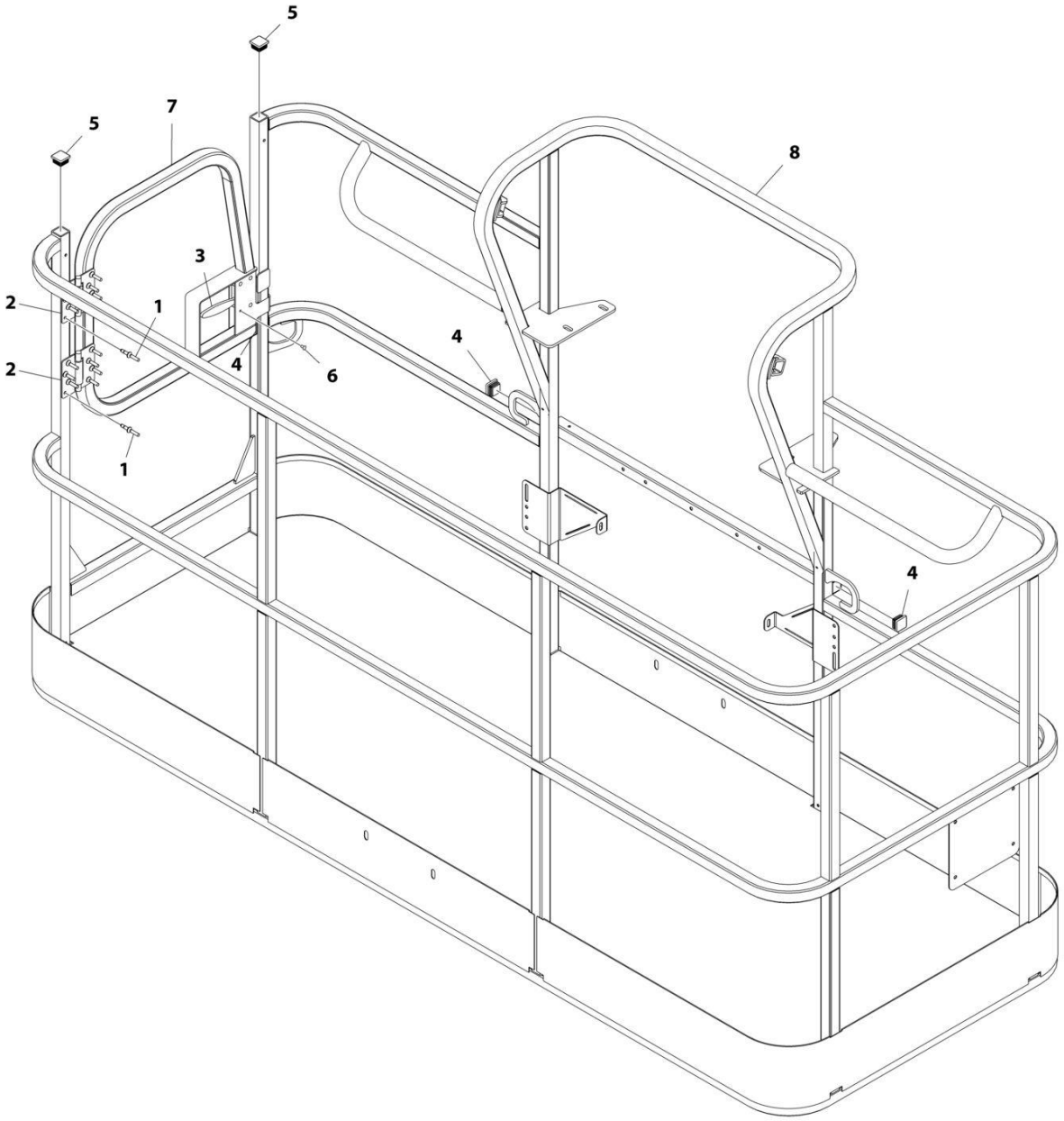


FIGURE 5-11. PLATFORM ASSEMBLY WITH GATE - 36IN X 8FT (91.5CM X 2.44M)

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)	

FIGURE 5-12. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 8FT (91.5CM X 2.44M)

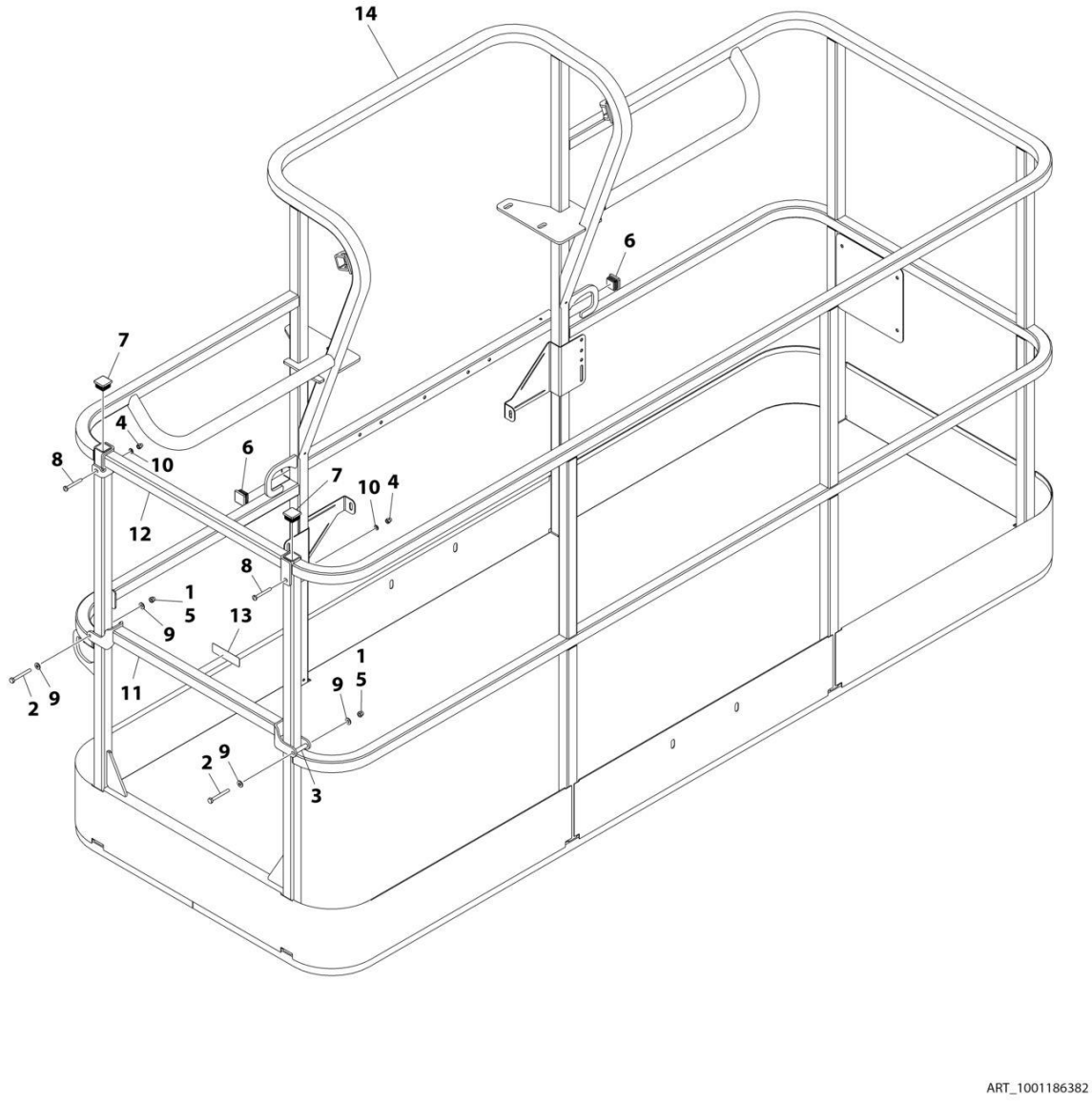


FIGURE 5-12. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 8FT (91.5CM X 2.44M)

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)	

FIGURE 5-13. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M)

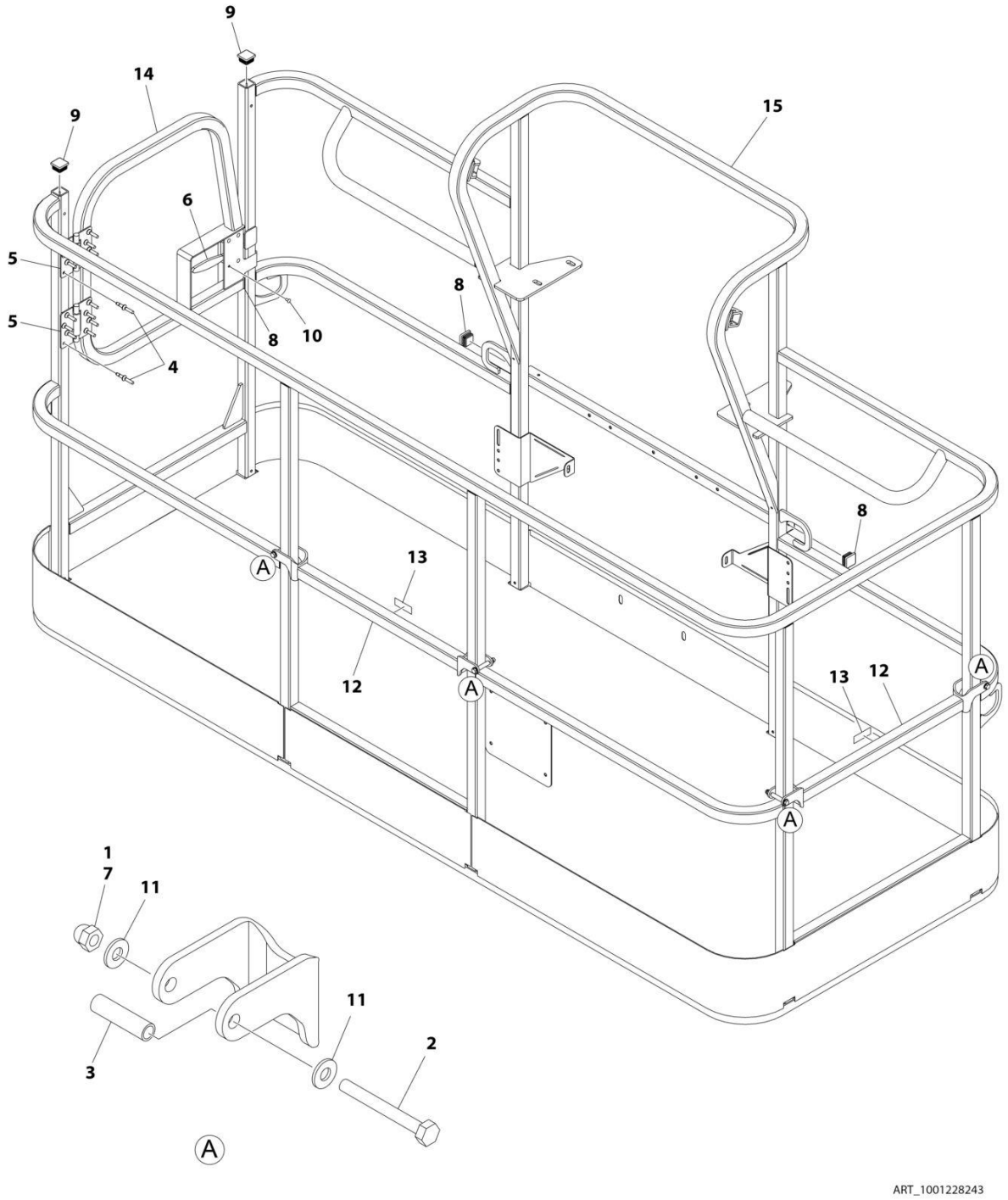


FIGURE 5-13. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M)

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)	

FIGURE 5-14. PLATFORM ASSEMBLY WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M)

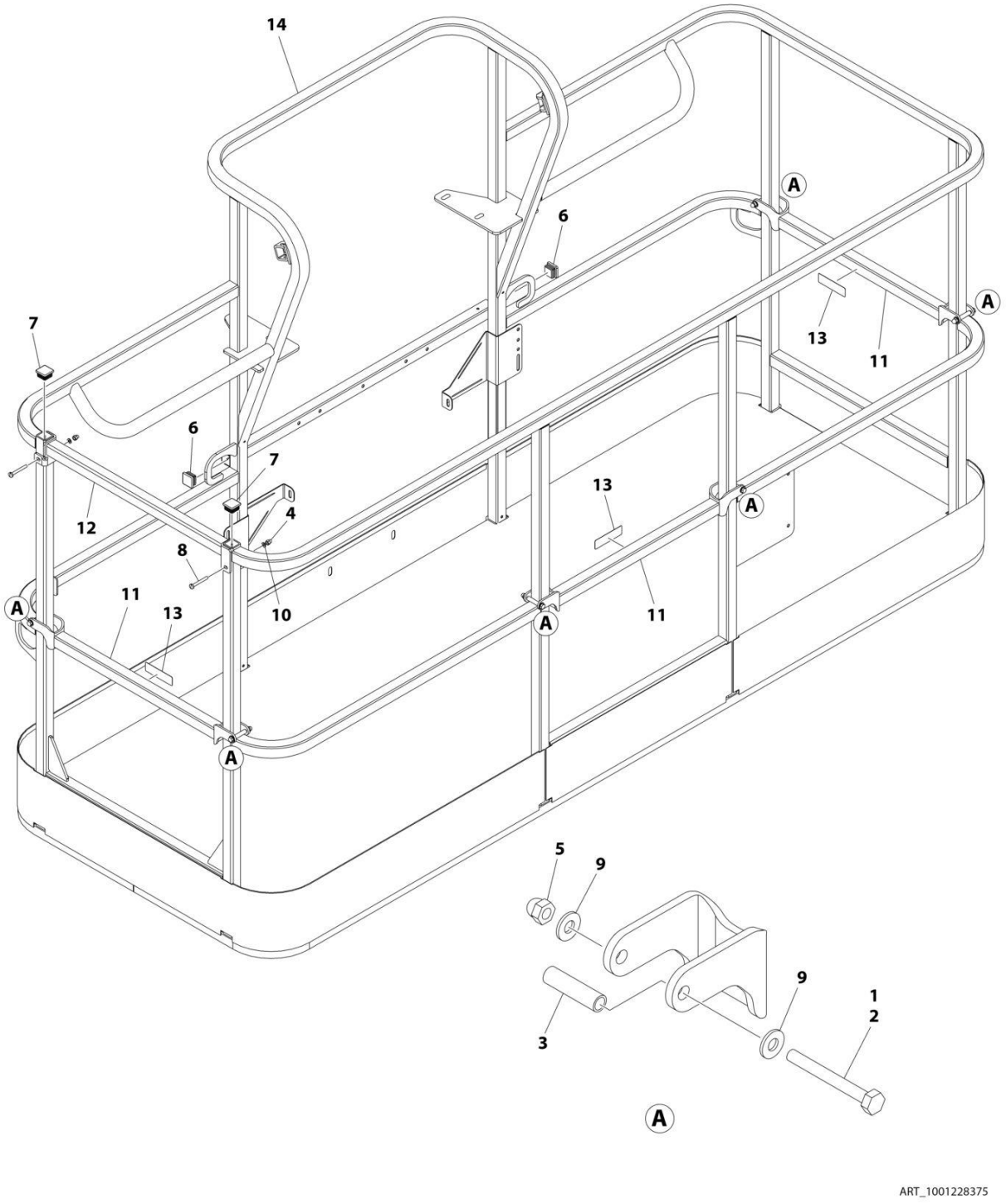


FIGURE 5-14. PLATFORM ASSEMBLY WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M)

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

FIGURE 5-15. PLATFORM ASSEMBLY WITH FALL ARREST (8FT)

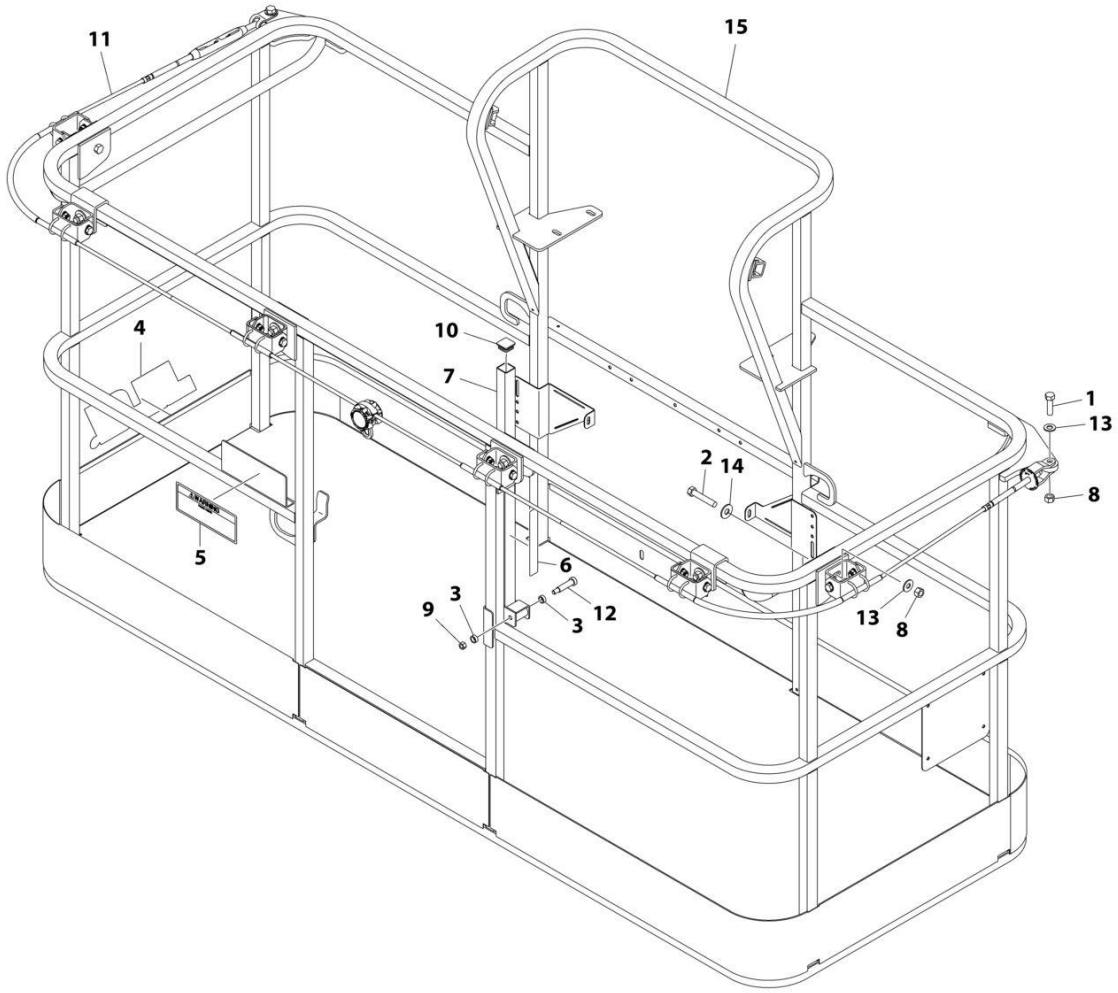


FIGURE 5-15. PLATFORM ASSEMBLY WITH FALL ARREST (8FT)

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)	

FIGURE 5-16. CONSOLE AND FOOT SWITCH INSTALLATION

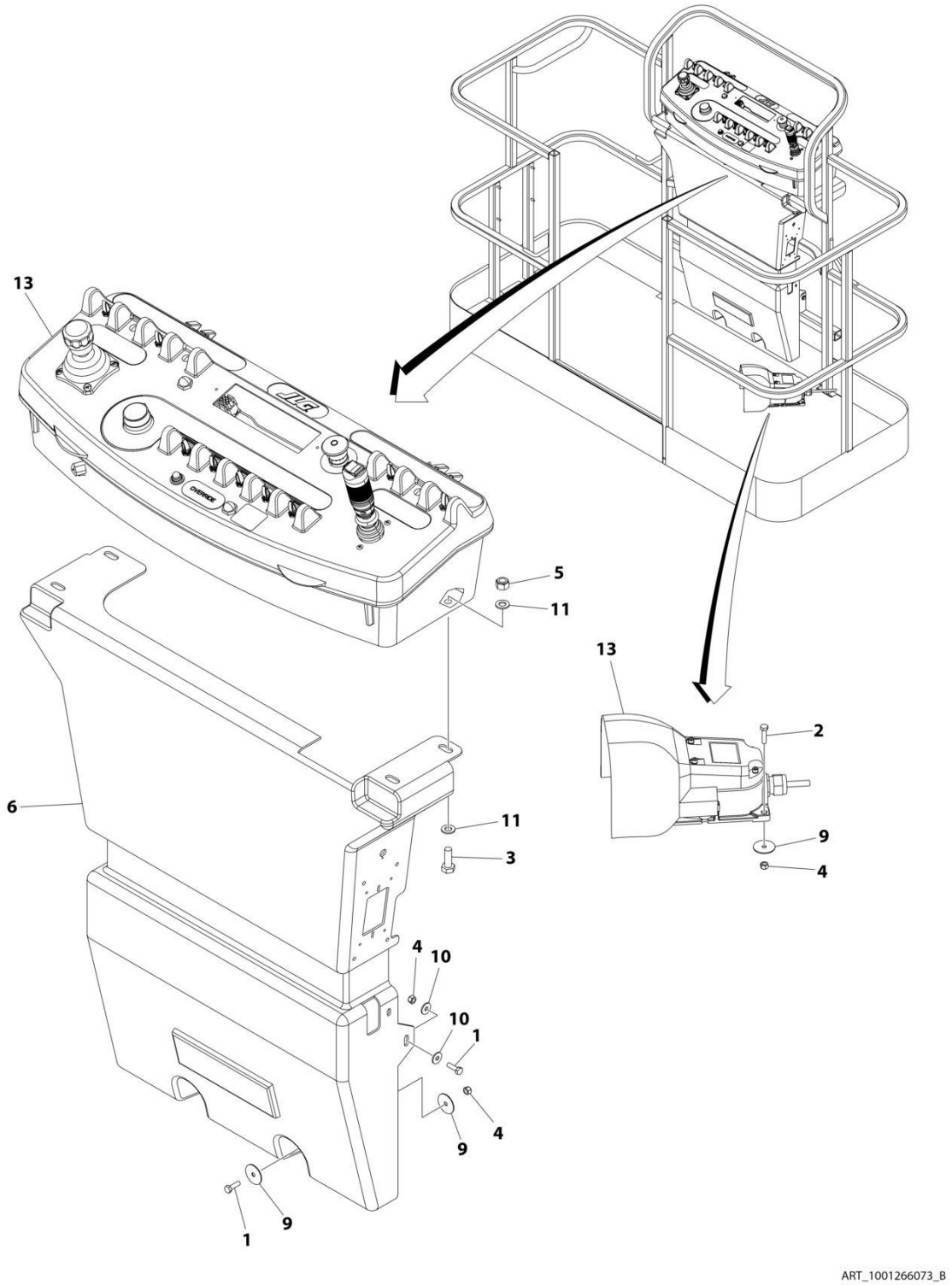


FIGURE 5-16. CONSOLE AND FOOT SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266073	Ref	PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION	B
1	0641406	4	Bolt 1/4 x 3/4	
2	0641408	3	Bolt 1/4 x 1	
3	0641610	4	Bolt 3/8 x 1-1/4	
4	3311405	7	Nut 1/4	
5	3311605	4	Nut 3/8	
6	3380434	1	Panel	
9	4740362	7	Washer	
10	4751400	4	Washer 1/4	
11	4761600	8	Washer 3/8	
13	1001266069	1	Platform Console Assembly (See Separate Breakdown in this Section)	

FIGURE 5-17. CONSOLE AND FOOT SWITCH INSTALLATION WITH TOWER STOW

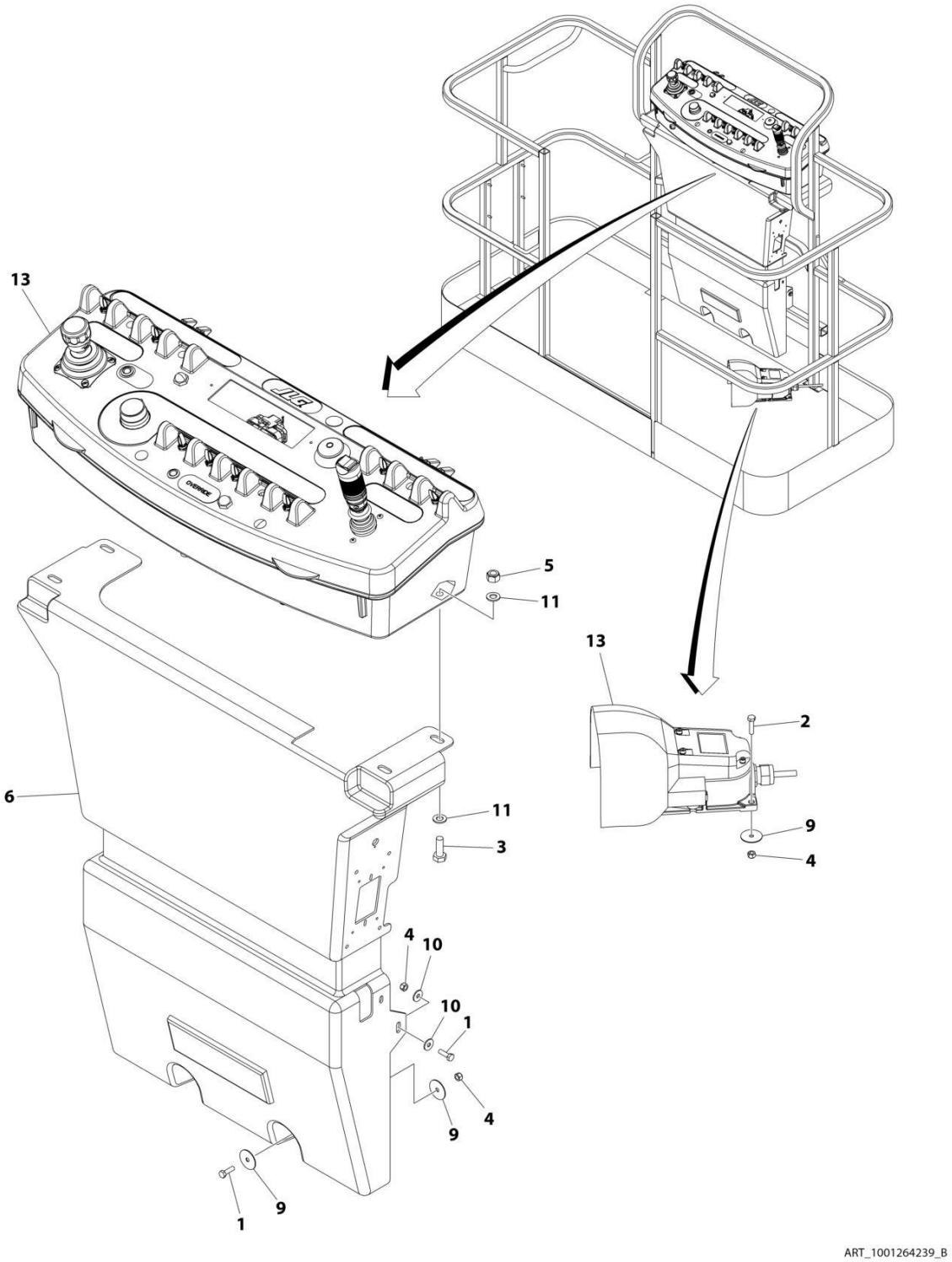


FIGURE 5-17. CONSOLE AND FOOT SWITCH INSTALLATION WITH TOWER STOW

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264239	Ref	PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION (TOWER STOW)	B
1	0641406	4	Bolt 1/4 x 3/4	
2	0641408	3	Bolt 1/4 x 1	
3	0641610	4	Bolt 3/8 x 1-1/4	
4	3311405	7	Nut 1/4	
5	3311605	4	Nut 3/8	
6	3380434	1	Panel	
9	4740362	7	Washer	
10	4751400	4	Washer 1/4	
11	4761600	8	Washer 3/8	
13	1001263588	1	Platform Console Assembly (See Separate Breakdown in this Section)	

FIGURE 5-18. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH

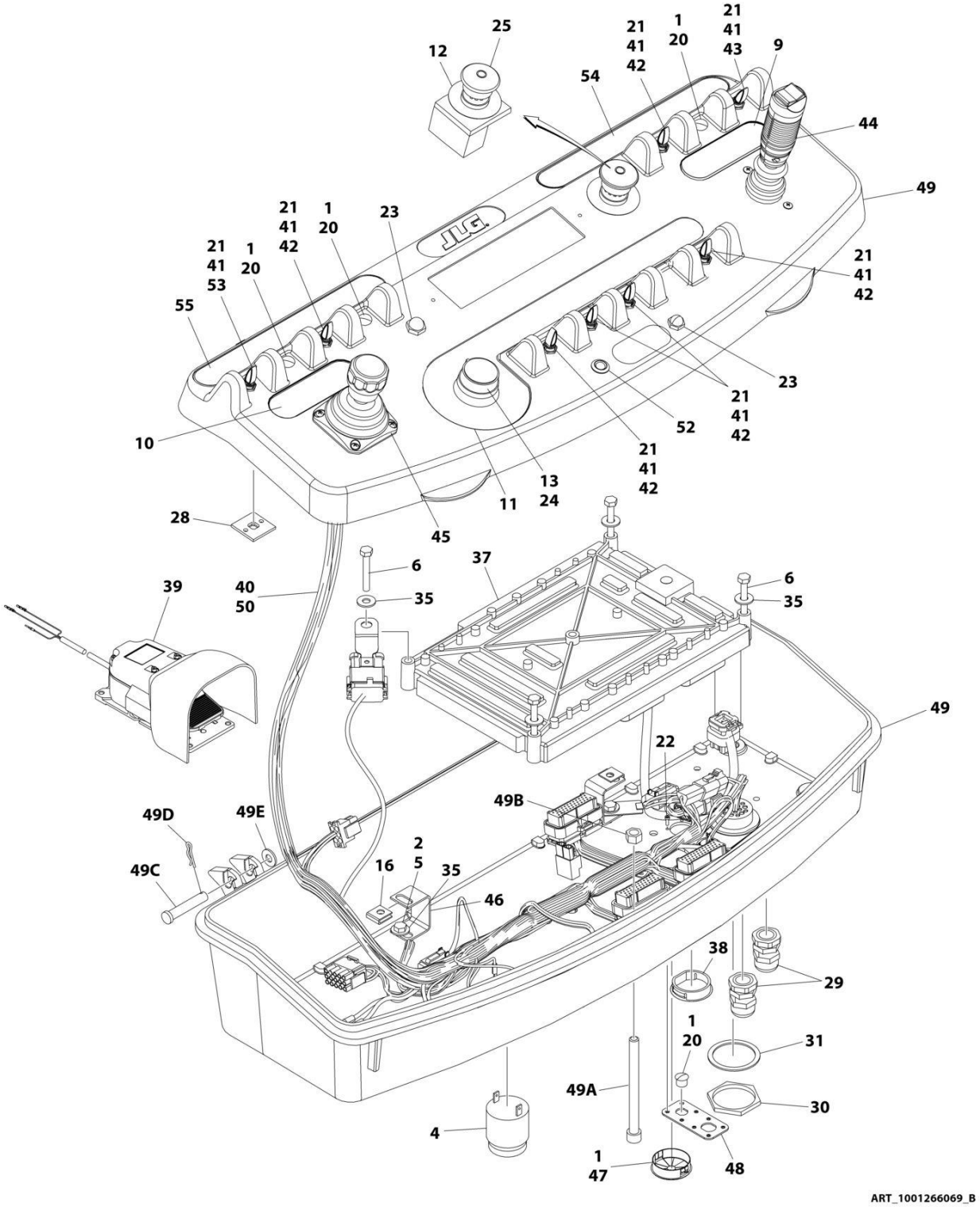


FIGURE 5-18. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266069	Ref	CONSOLE BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100035	AR	Compound, Locking	
4	0140011	1	Alarm	
5	0641405	4	Bolt 1/4 x 5/8	
6	0641414	4	Bolt 1/4 x 1-3/4	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1702567	1	Decal - Function Speed	
12	1704260	1	Decal - Emergency Stop	
13	2560136	1	Handle, Knob	
16	3300353	4	Nut, Tinnerman	
20	3520054	4	Plug	
21	3790012	8	O-Ring	
22	3900349	8	Capscrew M2.5 x 8	
23	4360387	2	Switch, Push Button	
24	4360407	1	Controller, Speed	
24	4460224	1	Receptacle, Female - 6 Position	
24	4460226	6	Socket, Female	
24	See Note	1	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
24	70003784	1	Seal	
25	1001274559	1	Switch, Emergency Stop	
28	4460234	6	Mount, Tie-Strap	
29	4460428	2	Connector, Strain Relief	
30	4460470	1	Nut, Terminal	
31	4460471	1	Washer, Terminal	
35	4751400	8	Washer 1/4	
36	4922666	1	Analyzer Harness (Not Shown)	
36	4460761	1	Receptacle, Female - 4 Position	
36	4460227	4	Pin, Male	
37	1001106938	1	Module, Platform (Note: Re-calibration Required when Replaced)	
38	1001110434	1	Plug	
39	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	
40	1001139135	1	Boom Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
41	1001155044	8	Nut 15/32	
42	1001155045	6	Switch, Toggle	
43	1001159256	1	Switch, Toggle	
44	1001166538	NLA	Controller Assembly (Drive and Steer) (Use p/n 1001212415) (See Separate Breakdown in this Section)	
45	1001166539	NLA	Controller Assembly (Lift and Swing) (Use p/n 1001129555) (See Separate Breakdown in this Section)	
46	1001172760	4	Bracket	
47	1001185281	1	Plug	
48	1001213882	1	Mount	
49	1001215228	1	Console Box Assembly	
49A	0630568	1	Capscrew 3/8 x 4-1/2	
49B	3311601	1	Nut 3/8	
49C	3430616	2	Pin	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49D	3470003	2	Hairpin	
49E	4711600	2	Washer 3/8	
50	1001266648	1	Platform Console Harness (See Separate Breakdown in ELECTRICAL Section)	
51	4240099	AR	Tie-Strap (Not Shown)	
52	1001206532	1	Lamp, LED Indicator Yellow	
53	1001161709	1	Switch, Toggle DPDT	
54	1001184618	1	Decal - Stop & Auxiliary Power	
55	1001184626	1	Decal - Horn	

FIGURE 5-19. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH WITH TOWER STOW

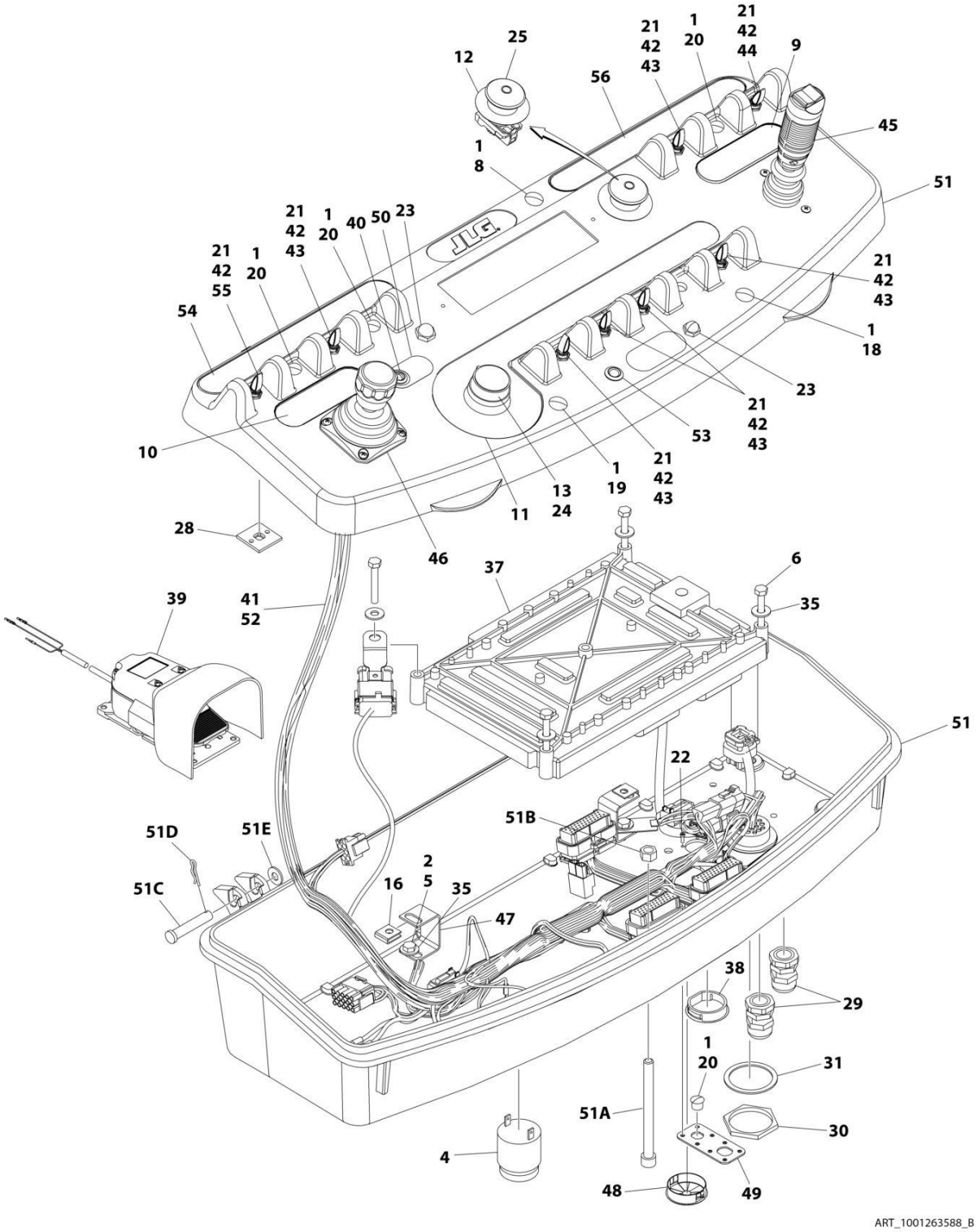


FIGURE 5-19. CONSOLE BOX ASSEMBLY WITH FOOTSWITCH WITH TOWER STOW

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263588	Ref	CONSOLE BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100035	AR	Compound, Locking	
4	0140011	1	Alarm	
5	0641405	1	Bolt 1/4 x 5/8	
6	0641414	4	Bolt 1/4 x 1-3/4	
8	1671314	1	Cover	
9	1702565	1	Decal - Drive and Steer	
10	1702566	1	Decal - Lift and Swing	
11	1702567	1	Decal - Function Speed	
12	1704260	1	Decal - Emergency Stop	
13	2560136	1	Handle, Knob	
16	3300353	4	Nut, Tinnerman	
18	3520026	2	Plug	
19	3520027	1	Plug	
20	3520054	4	Plug	
21	3790012	8	O-Ring	
22	3900349	8	Capscrew M2.5 x 8	
23	4360387	2	Switch, Push Button	
24	4360407	1	Controller, Speed	
24	4460224	1	Receptacle, Female - 6 Position	
24	4460226	6	Socket, Female	
24	See Note	1	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
24	70003784	1	Seal	
25	1001274559	1	Switch, Emergency Stop	
28	4460234	6	Mount, Tie-Strap	
29	4460428	2	Connector, Strain Relief	
30	4460470	1	Nut, Terminal	
31	4460471	1	Washer, Terminal	
35	4751400	8	Washer 1/4	
36	4922666	1	Analyzer Harness (Not Shown)	
36	4460761	1	Receptacle, Female - 4 Position	
36	4460227	4	Pin, Male	
37	1001106938	1	Module, Platform (Note: Re-calibration Required when Replaced)	
38	1001110434	1	Plug	
39	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	
40	1001137364	1	Light, Indicator	
41	1001139135	1	Boom Valve Harness (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
42	1001155044	8	Nut 15/32	
43	1001155045	6	Switch, Toggle	
44	1001159256	1	Switch, Toggle	
45	1001166538	NLA	Controller Assembly (Drive and Steer) (Use p/n 1001212415) (See Separate Breakdown in this Section)	
46	1001166539	NLA	Controller Assembly (Lift and Swing) (Use p/n 1001129555) (See Separate Breakdown in this Section)	
47	1001172760	4	Bracket	
48	1001185281	1	Plug	
49	1001213882	1	Mount	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001260937	1	Decal - Tower Stow	
51	1001263587	1	Console Box Assembly	
51A	0630568	1	Capscrew 3/8 x 4-1/2	
51B	3311601	1	Nut 3/8	
51C	3430616	2	Pin	
51D	3470003	2	Hairpin	
51E	4711600	2	Washer 3/8	
52	1001266648	1	Platform Console Harness (See Separate Breakdown in ELECTRICAL Section)	
53	1001206532	1	Lamp, LED Indicator Yellow	
54	1001184626	1	Decal - Horn	
55	1001161709	1	Switch, Toggle DPDT	
56	1001184618	1	Decal - Stop & Auxiliary Power	
57	4240099	AR	Tie-Strap (Not Shown)	

FIGURE 5-20. CONTROLLER ASSEMBLY- DRIVE/STEER

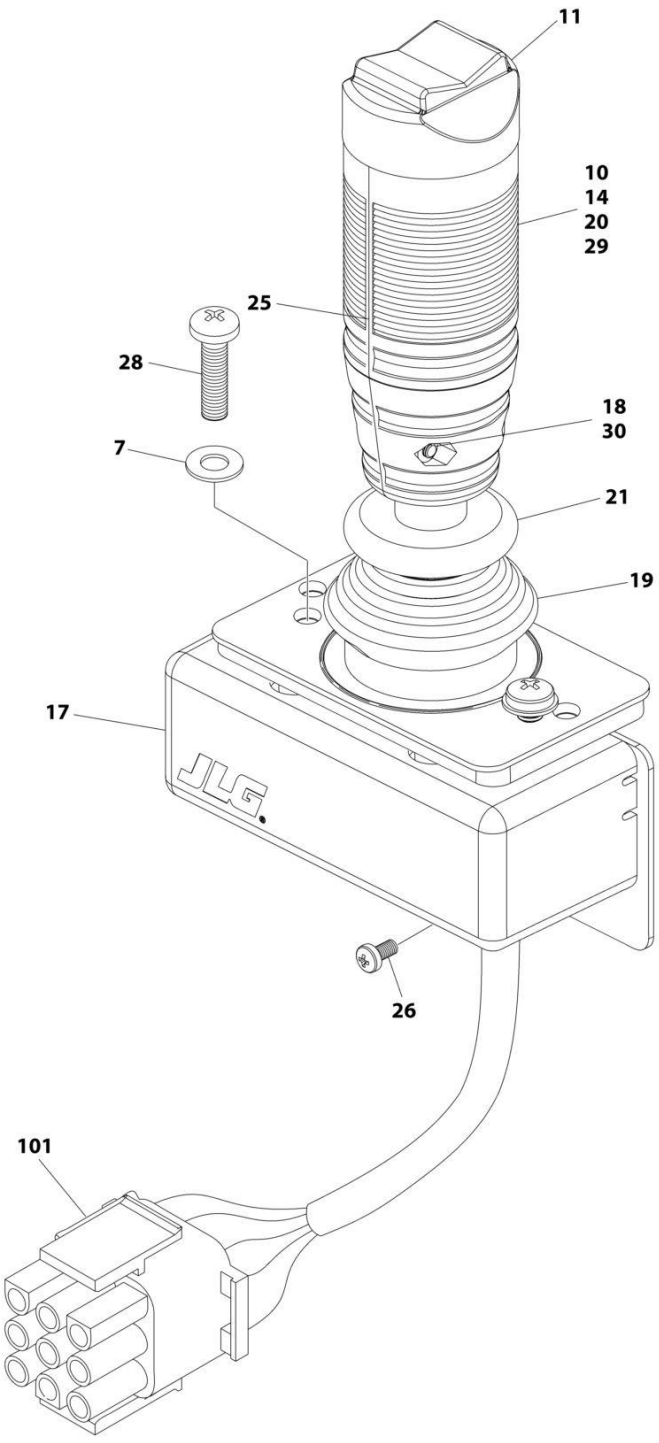


FIGURE 5-20. CONTROLLER ASSEMBLY- DRIVE/STEER

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

FIGURE 5-21. CONTROLLER ASSEMBLY - LIFT/SWING

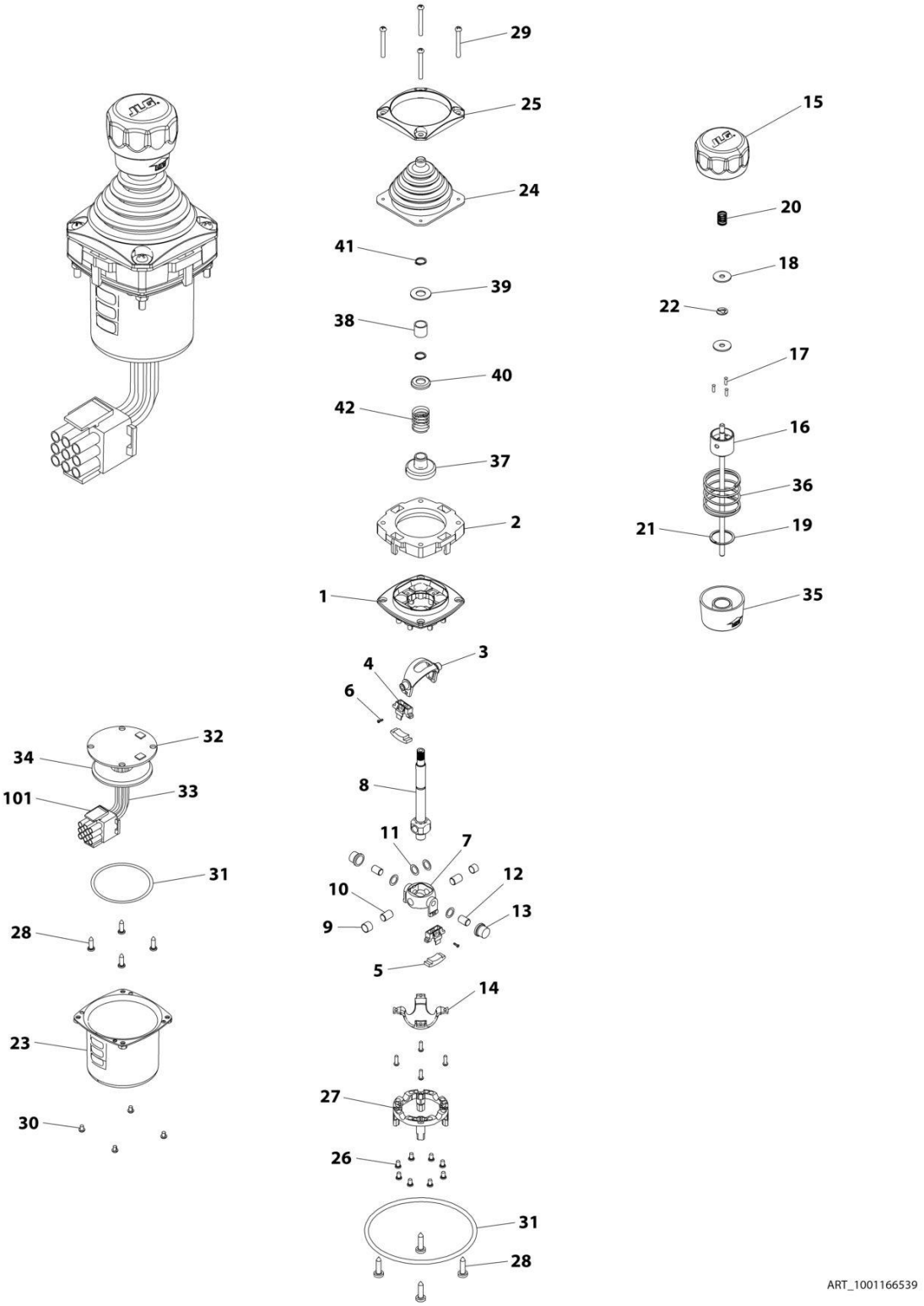


FIGURE 5-21. CONTROLLER ASSEMBLY - LIFT/SWING

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

SECTION 5 - PLATFORM

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

FIGURE 5-22. FOOTSWITCH ASSEMBLY

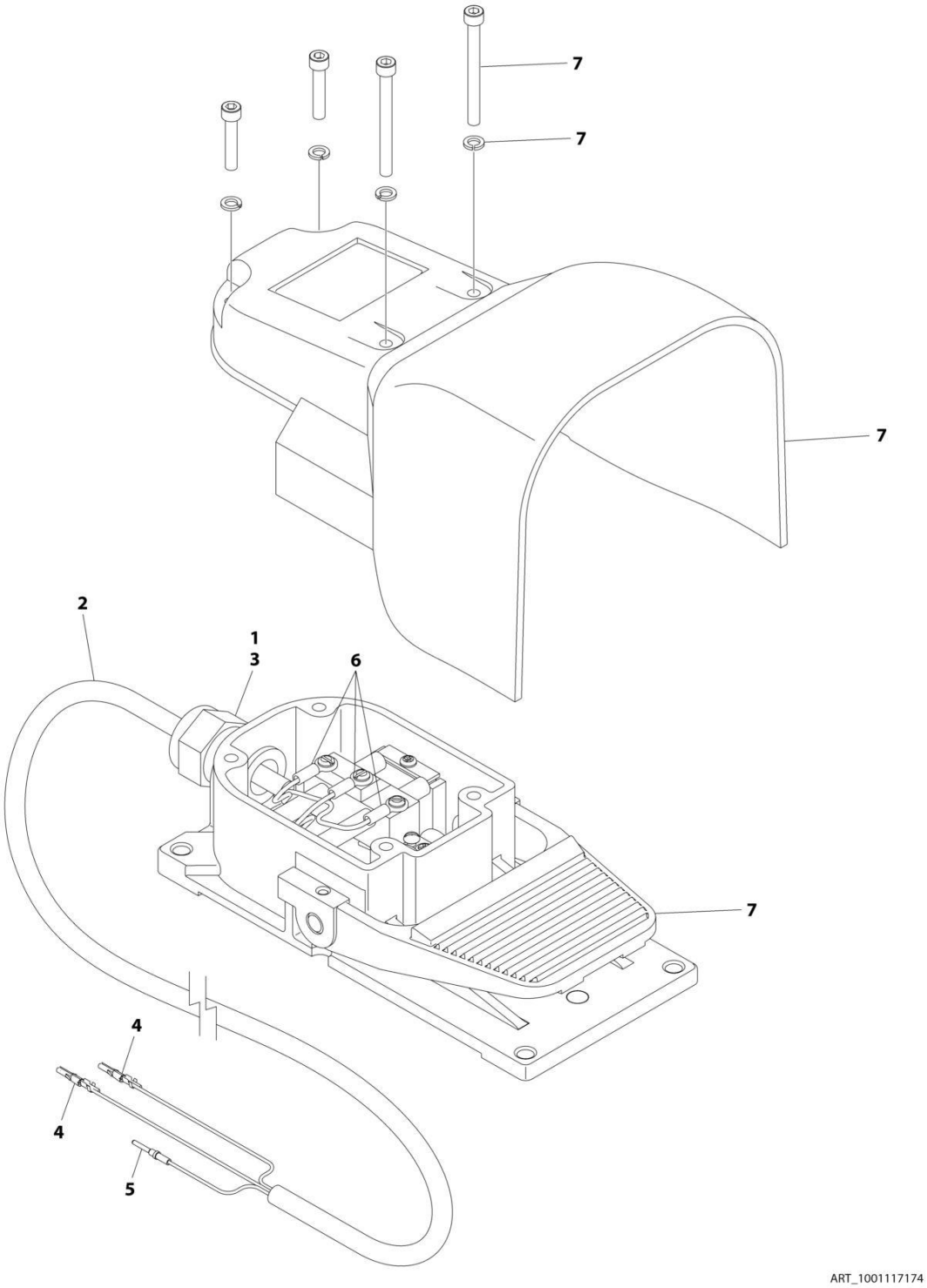


FIGURE 5-22. FOOTSWITCH ASSEMBLY

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	

FIGURE 5-23. JIB SWITCH INSTALLATION - 800AJ

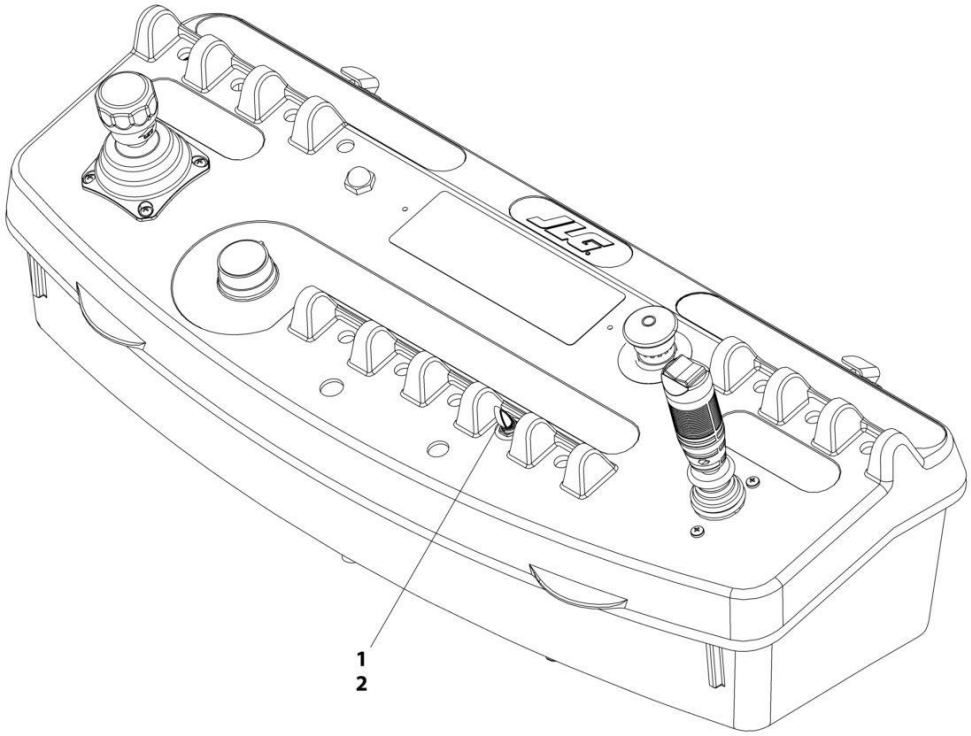


FIGURE 5-23. JIB SWITCH INSTALLATION - 800AJ

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271340	Ref	JIB SWITCH INSTALLATION	1/A
1	4360328	1	Switch, Toggle	
2	3790012	1	O-Ring	

FIGURE 5-24. LIGHT PANEL INSTALLATION

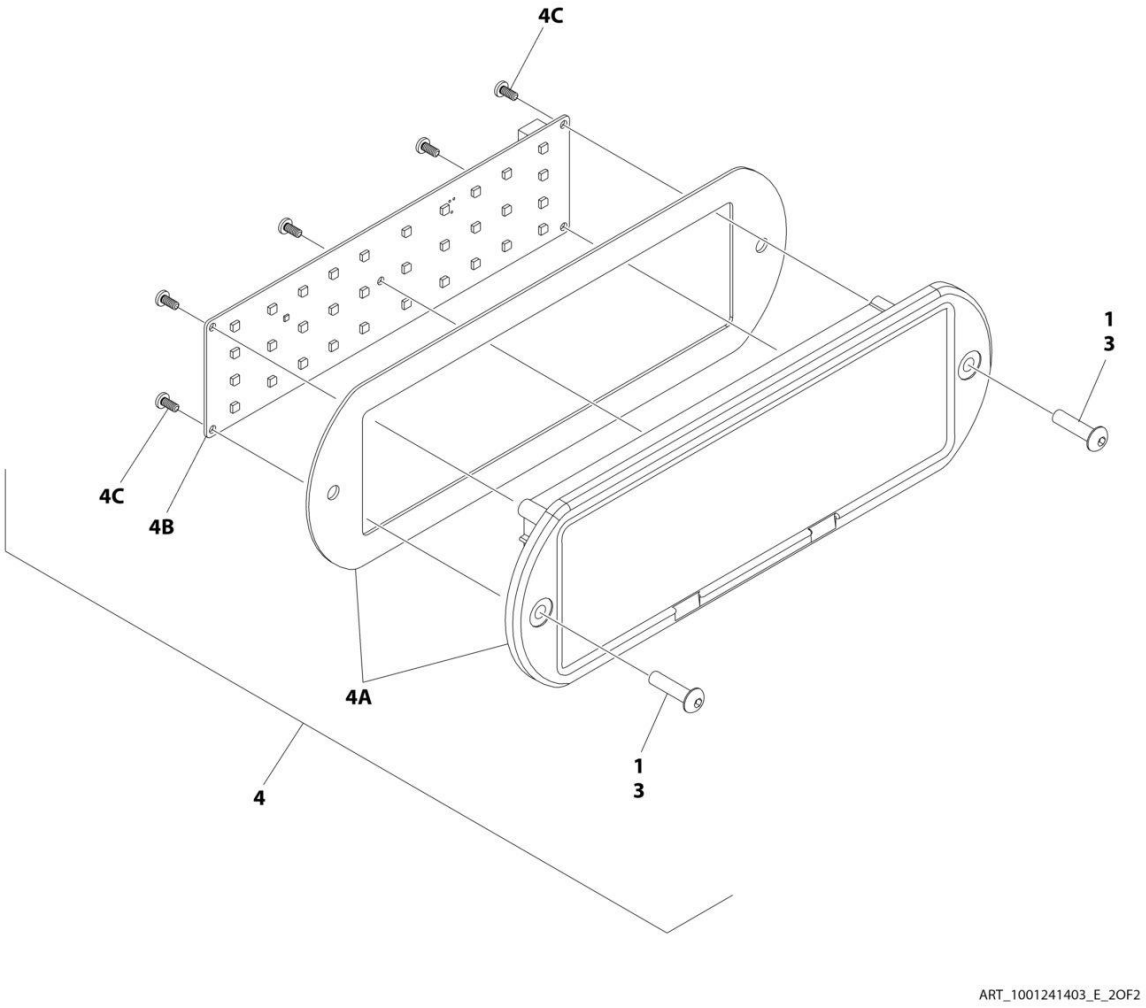


FIGURE 5-24. LIGHT PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241403	Ref	LIGHT PANEL INSTALLATION - PLATFORM CONSOLE	E
1	3300408	1	Nut, Nylon Insert	
3	0630518	2	Screw #10 x 3/4	
4	1001237545	1	Light Panel Electrical Assembly	J
4A	1001281703	1	Lens Assembly (Includes Housing Shell, Decal/Lens with Icons & Gasket)	
4B	1001282106	1	Panel, LED Light	
4C		Ref	Screw	

FIGURE 5-25. STEER SWITCH INSTALLATION - 4WS

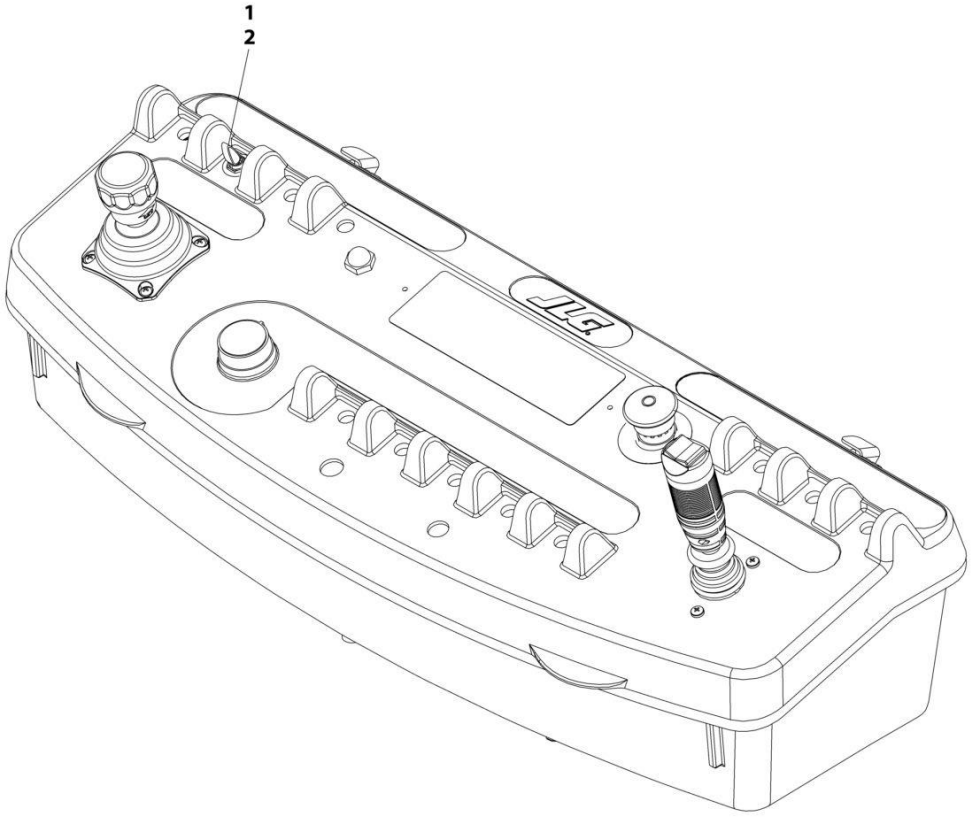


FIGURE 5-25. STEER SWITCH INSTALLATION - 4WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0258945	Ref	STEER SWITCH INSTALLATION - 4WS	A
1	4360331	1	Switch, Toggle	
2	3790012	1	O-Ring	

FIGURE 5-26. FALL ARREST INSTALLATION (BOLT-ON) 30IN X 4FT (76CM X 1.22M) PLATFORM

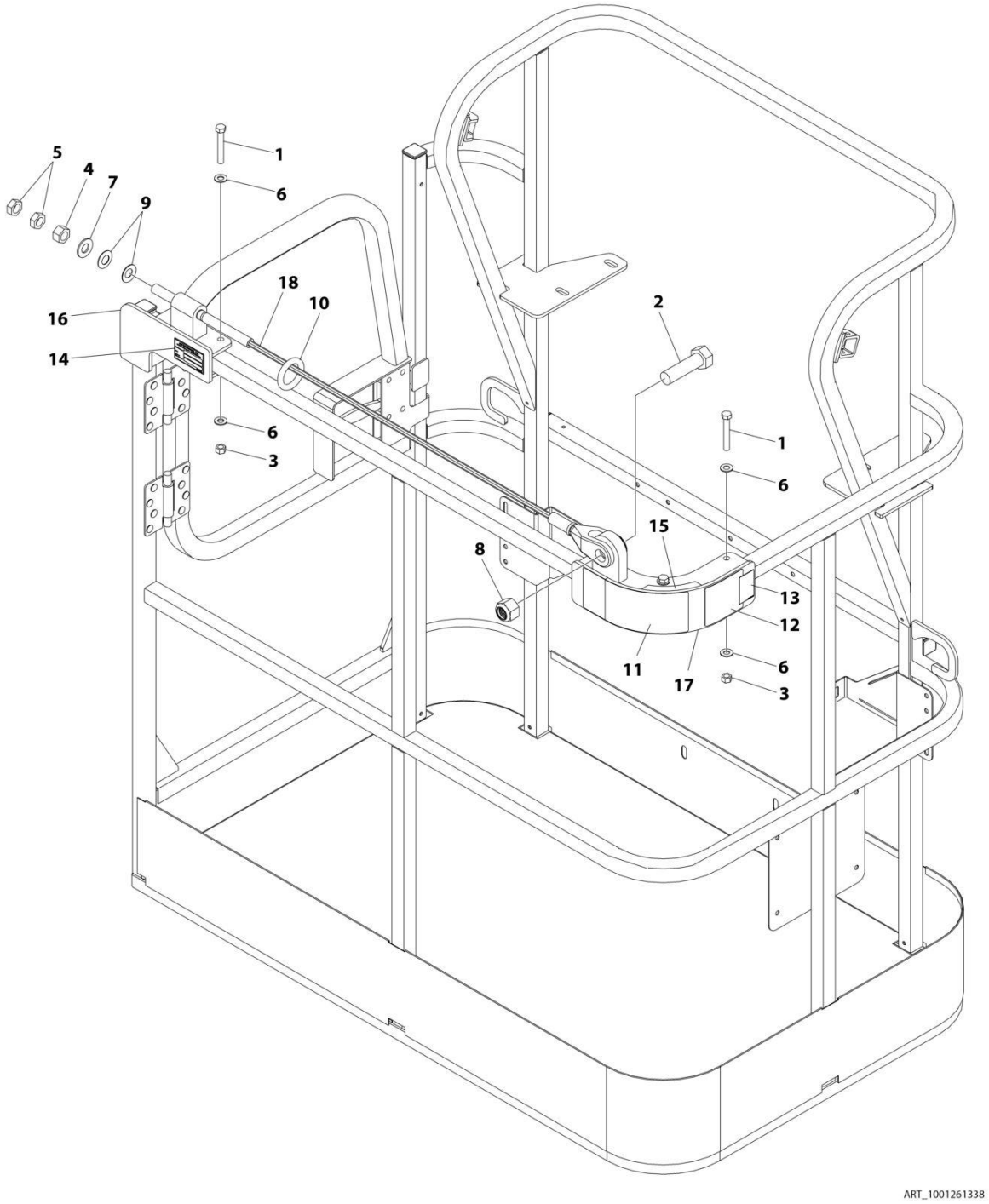


FIGURE 5-26. FALL ARREST INSTALLATION (BOLT-ON) 30IN X 4FT (76CM X 1.22M) PLATFORM

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

FIGURE 5-27. FALL ARREST INSTALLATION (BOLT-ON) 36IN X 6FT (91.2CM X 1.82M) PLATFORM

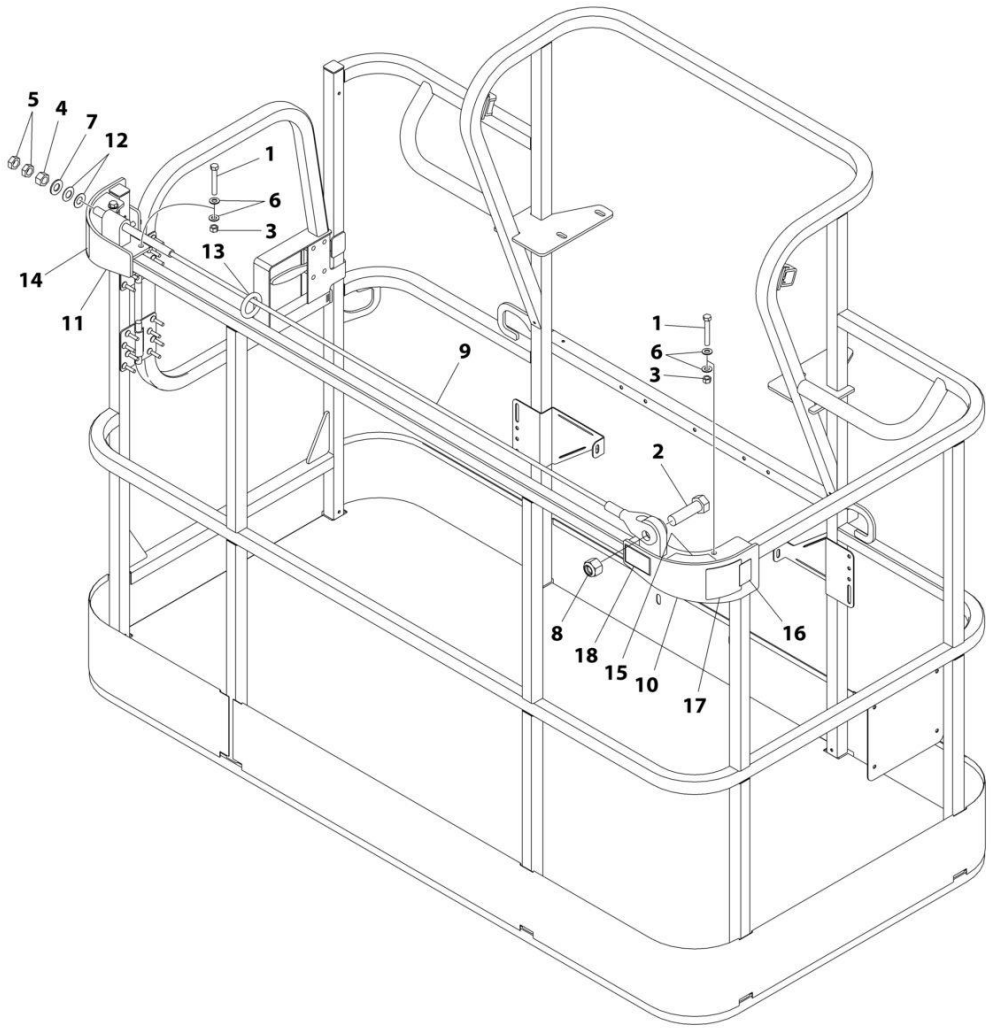


FIGURE 5-27. FALL ARREST INSTALLATION (BOLT-ON) 36IN X 6FT (91.2CM X 1.82M) PLATFORM

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

FIGURE 5-28. FALL ARREST INSTALLATION (BOLT-ON) 30IN X 6FT (76CM X 1.83M) PLATFORM

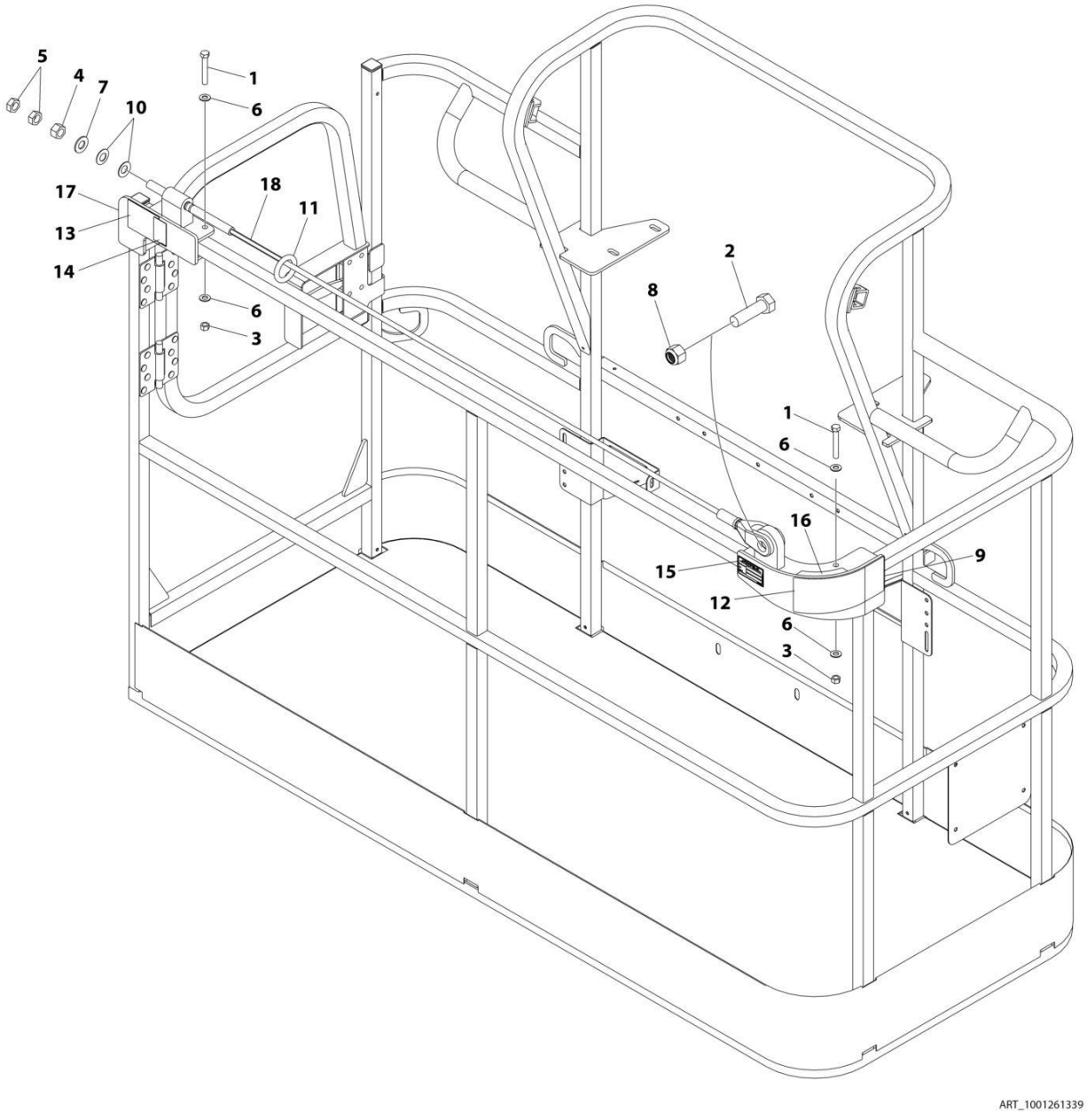


FIGURE 5-28. FALL ARREST INSTALLATION (BOLT-ON) 30IN X 6FT (76CM X 1.83M) PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001261339	Ref	FALL ARREST INSTALLATION (BOLT-ON) 30IN X 6FT (76CM X 1.83M) PLATFORM	A
1	0681620	6	Bolt 3/8 x 2-1/2	
2	0682424	1	Bolt 7/8 x 3	
3	3271605	6	Nut 3/8	
4	3272001	1	Nut 5/8	
5	3312002	2	Nut 5/8	
6	4711600	12	Washer 3/8	
7	4712000	1	Washer 5/8	
8	88521214	1	Nut 7/8	
9	1001232010	1	Bracket	
10	1001236891	2	Washer	
11	1001236895	1	Ring	
12	1001238263	1	Decal - Warning Falling Hazard	
13	1001248140	1	Decal - Bolt Fall Arrest Re-Cert	
14	1001248141	1	Decal - Incription	
15	See Note	NSS	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
16	1001252629	1	Decal - Weight	
17	1001257271	1	Bracket	
18	1001261336	1	Rope	

FIGURE 5-29. FALL ARREST INSTALLATION (BOLT-ON) 36IN X 8FT (91.5CM X 2.4M) PLATFORM

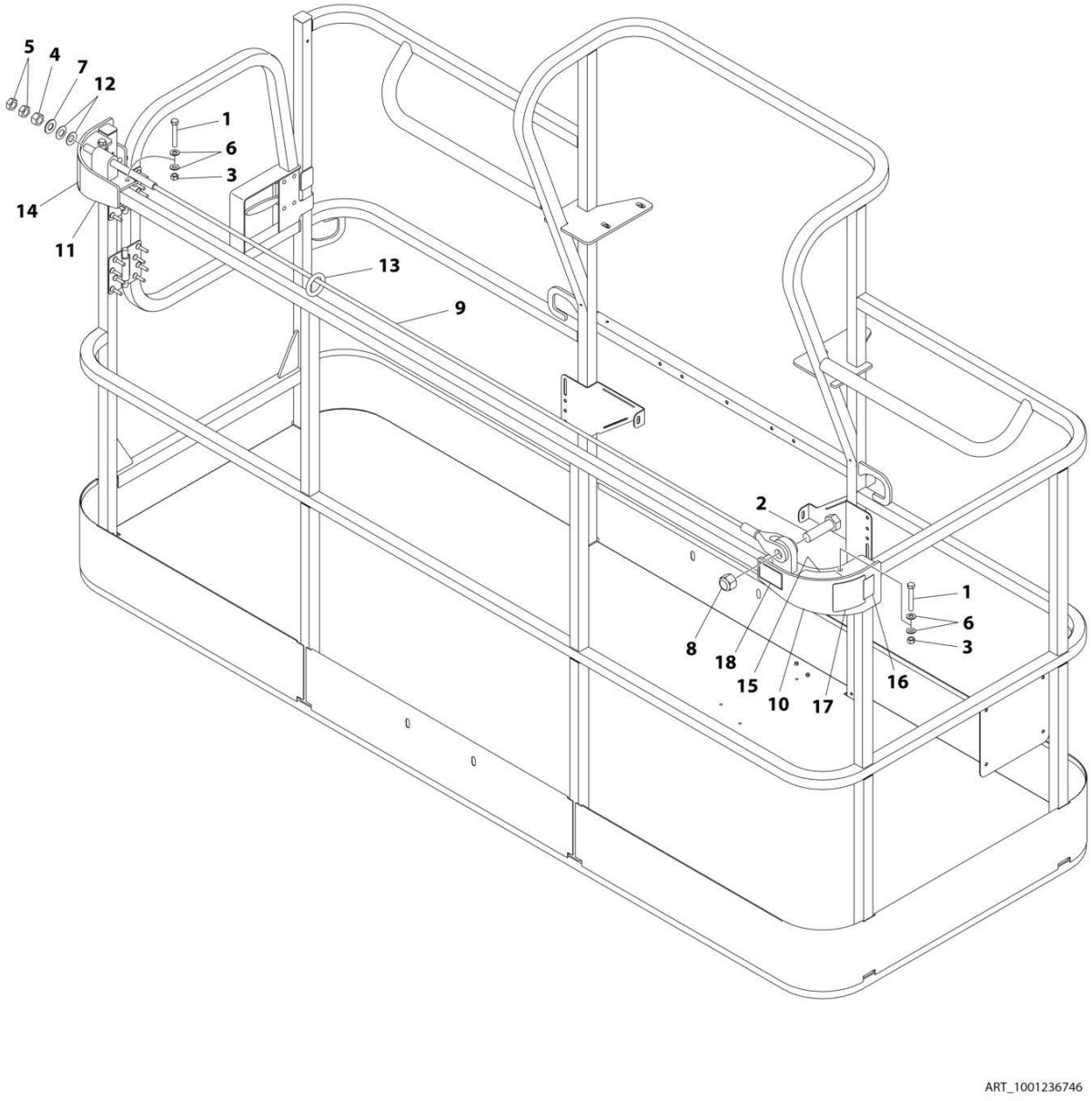


FIGURE 5-29. FALL ARREST INSTALLATION (BOLT-ON) 36IN X 8FT (91.5CM X 2.4M) PLATFORM

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

FIGURE 5-30. FALL ARREST INSTALLATION (BOLT-ON) 36IN X 6FT (91.5CM X 1.82M) TRI-ENTRY PLATFORM)

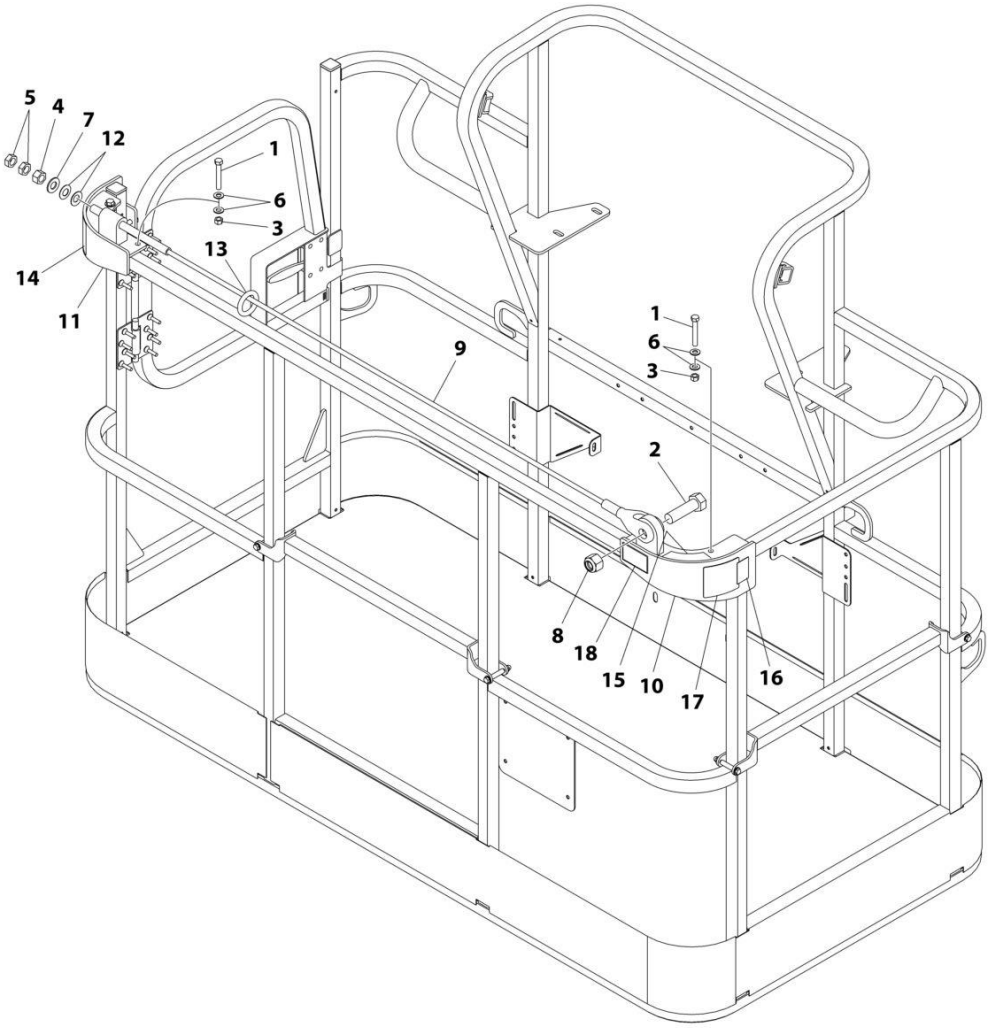


FIGURE 5-30. FALL ARREST INSTALLATION (BOLT-ON) 36IN X 6FT (91.5CM X 1.82M) TRI-ENTRY PLATFORM)

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

FIGURE 5-31. SKYCUTTER INSTALLATION

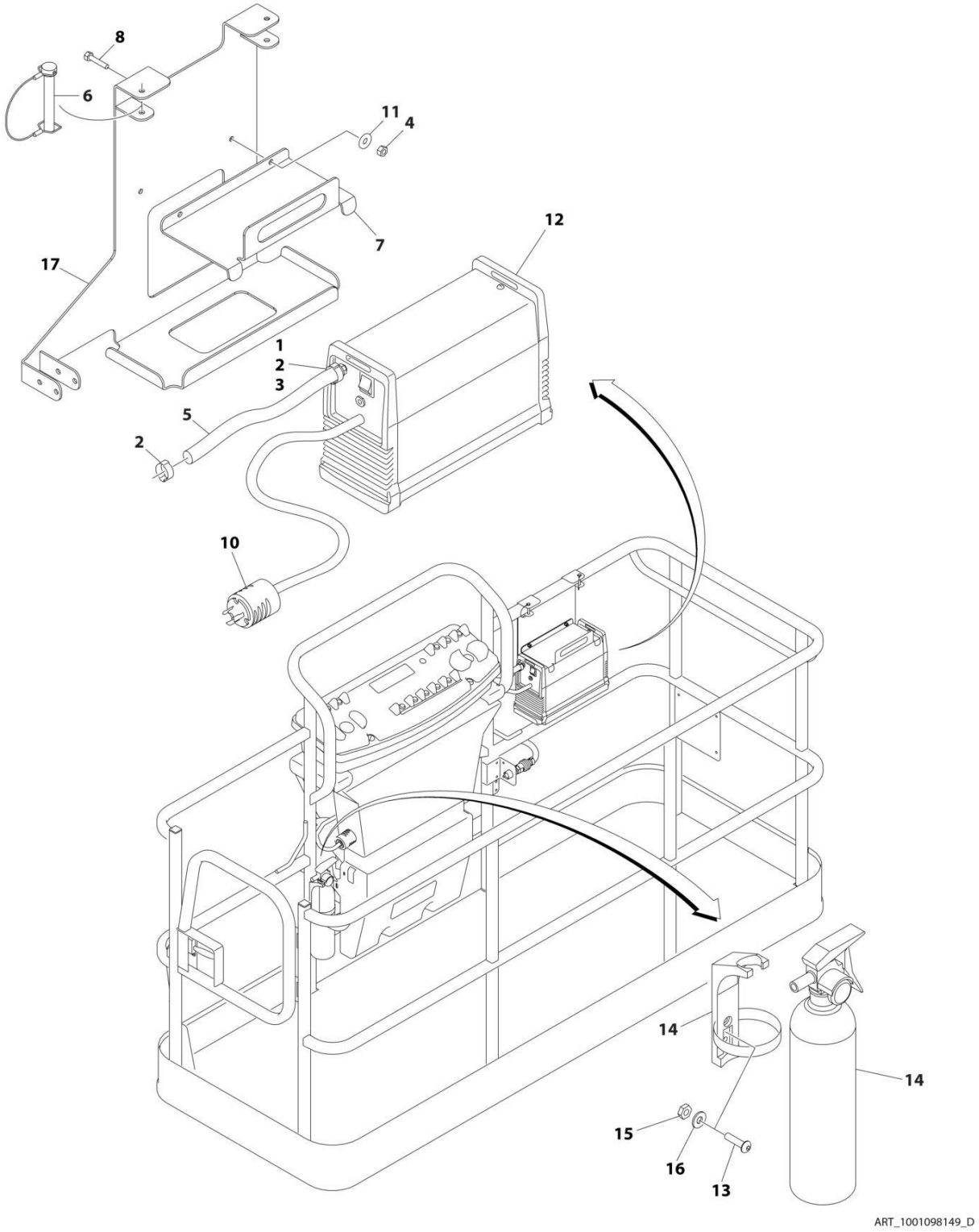


FIGURE 5-31. SKYCUTTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098149	Ref	SKYCUTTER INSTALLATION	D
		Ref	Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	
1	0100020	AR	Sealant	
2	1320177	2	Clamp, Hose	
3	2180832	1	Fitting, NPT/Barbed	
4	3290605	2	Nut M6	
5	2720160	3 ft /.9m	Hose	
6	3421453	3	Pin	
7	3576799	1	Plate, Hold-Down	
8	4010608	2	Screw M6 x 16	
10	4460971	1	Plug, Twistlock	
11	4811700	2	Washer M6	
12	1001098012	1	Plasma Cutter Assembly (See Separate Breakdown in this Section)	
13	0630518	2	Screw #10 x 3/4	
14	2030010	1	Extinguisher, Fire	
15	3311005	2	Nut #10	
16	4751000	2	Washer #10	
17	1001145405	1	Support	

FIGURE 5-32. PLASMA CUTTER ASSEMBLY

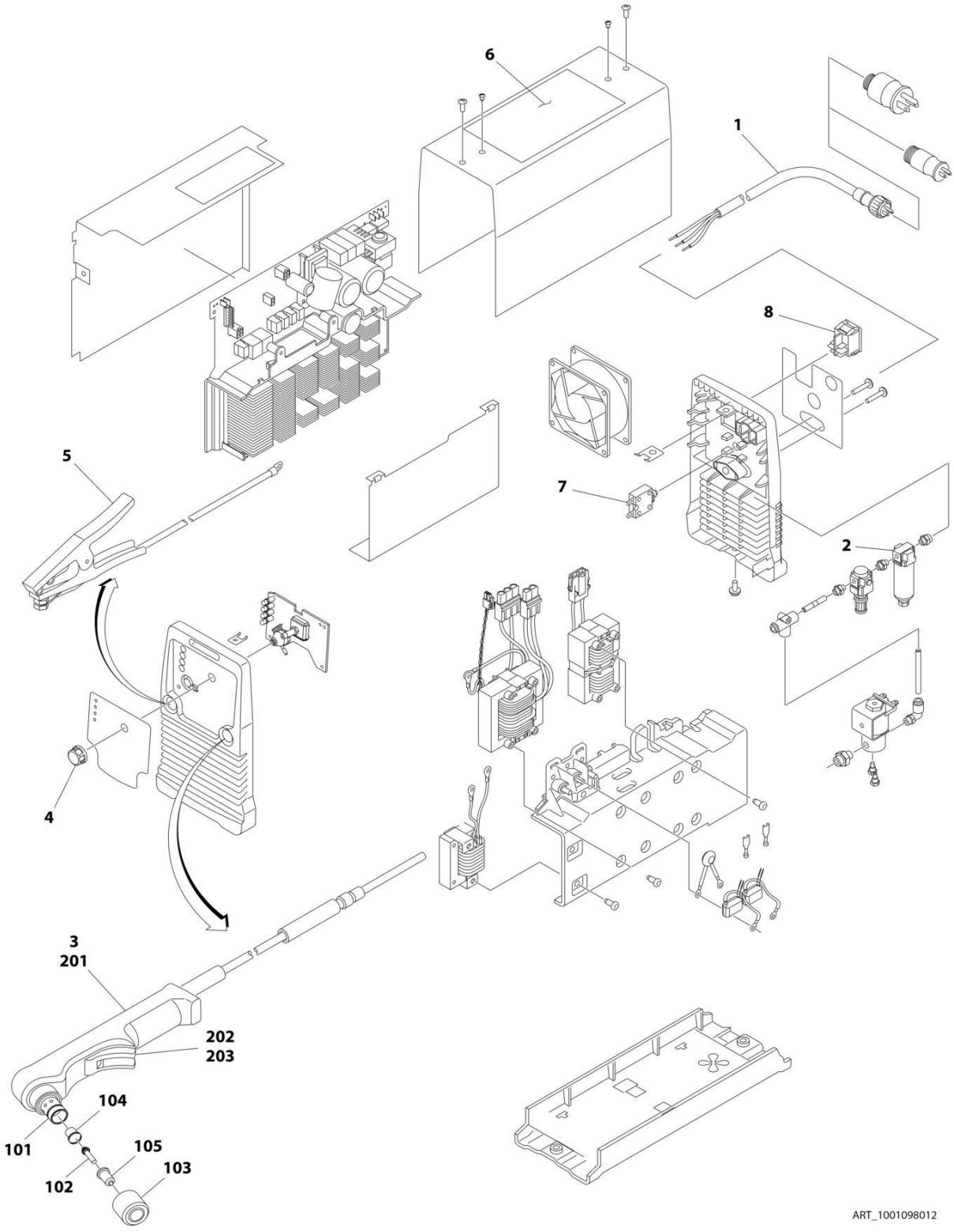


FIGURE 5-32. PLASMA CUTTER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098012	Ref	PLASMA CUTTER ASSEMBLY	A
		Ref	Note: For Other Components, contact your Miller Welder Dealer.	
1	70001424	1	Cable, Power	
1	70001425	1	Decal - Voltage Warning	
2	70001427	1	Filter, Regulator	
3	70001428	1	Torch Assembly (See Items 101-203 for Breakdown)	
4	7024471	1	Knob	
5	70001429	1	Clamp with Cable	
6	70001430	1	Decal - Caution	
7	70001431	1	Breaker, Circuit	
8	70001432	1	Switch, Rocker	
	70001428	Ref	TORCH ASSEMBLY	
101	7024530	1	O-Ring	
102	7024531	1	Electrode	
103	7024532	1	Cup, Retaining	
104	7024533	1	Swirl Ring	
105	7024534	1	Tip	
201	7024535	1	Handle, Torch	
202	7024536	1	Switch	
203	7024537	1	Trigger	

FIGURE 5-33. SKYEYE INSTALLATION

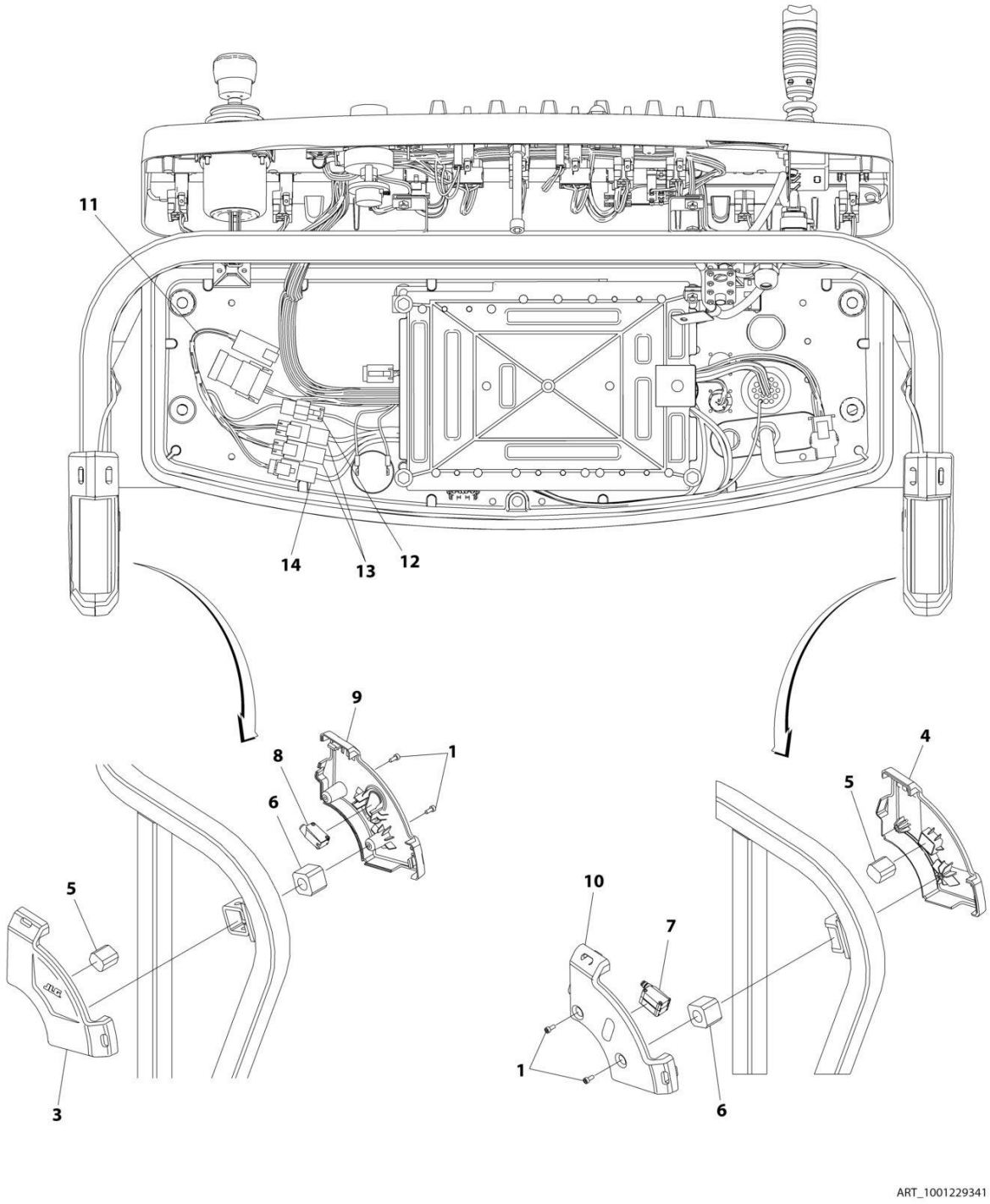


FIGURE 5-33. SKYEYE INSTALLATION

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, Skyeye Intermediate (See Separate Breakdown in ELECTRICAL Section)	
12	1001238319	NLA	Harness, Skyeye 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, Skyeye Receiver (See Separate Breakdown in ELECTRICAL Section)	
14	1001237864	1	Harness, Skyeye Emitter (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 5-34. SKYGLAZIER INSTALLATION (ENGLISH LANGUAGE DECALS)

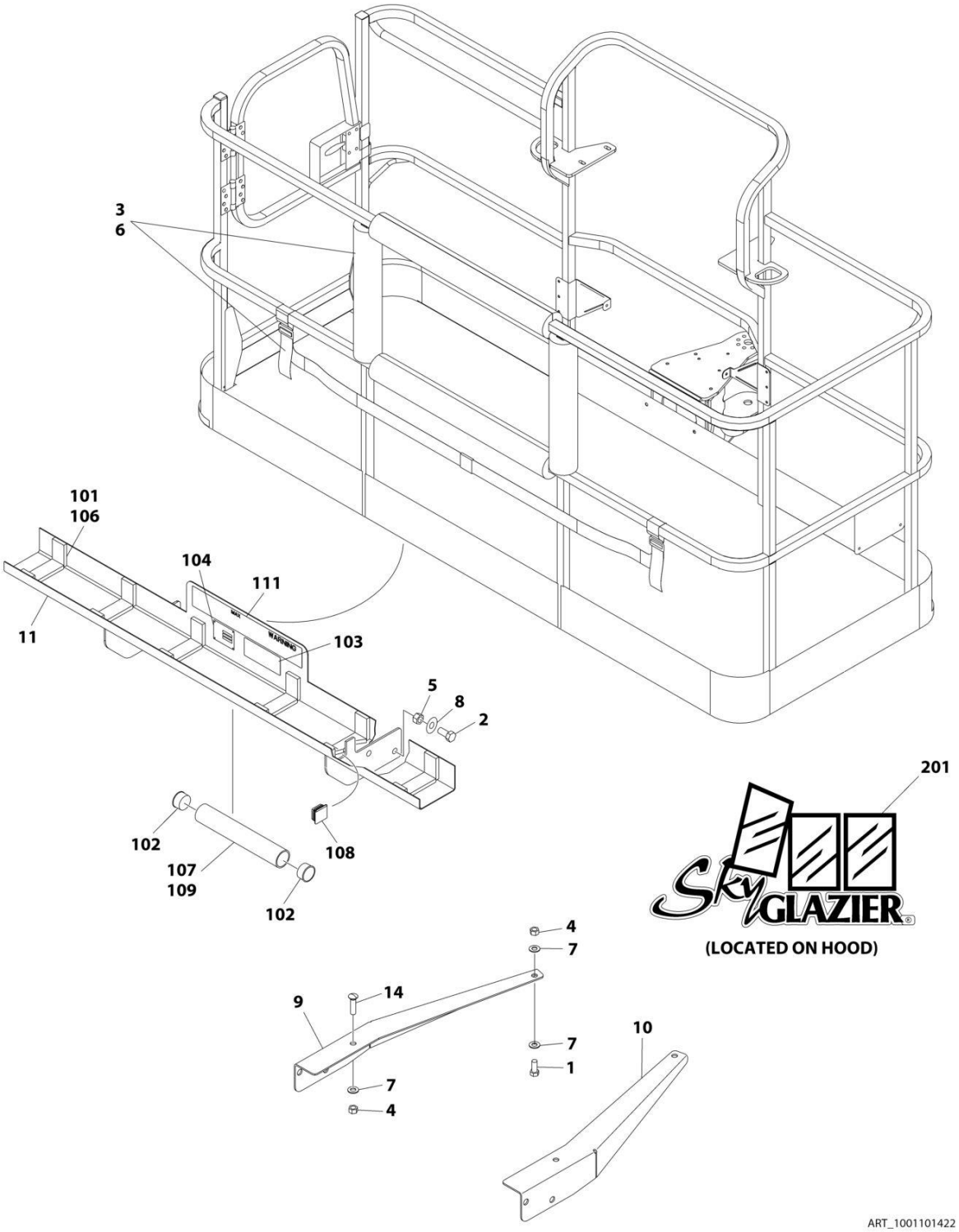


FIGURE 5-34. SKYGLAZIER INSTALLATION (ENGLISH LANGUAGE DECALS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001101422	Ref	SKYGLAZIER INSTALLATION	C
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	2902212	1	Bumpers and Strap Kit	
3	0940102	1	Bumper Only	
3	4240149	1	Strap Only	
4	3312005	4	Nut 5/8	
5	3312205	4	Nut 3/4	
6	4420014	AR	Tape	
7	4712000	6	Washer 5/8	
8	4712200	8	Washer 3/4	
9	1001099366	1	Support	
10	1001099367	1	Support	
11	1001101421	1	Tray Assembly (See Items 101-111 for Breakdown)	
14	8310129	2	Bolt 3/4 x 2-1/2	
	1001101421	Ref	TRAY ASSEMBLY	F
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	1701509	1	Decal - Manual	
104	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
106	3340956	1	Pad Kit	
107	3460334	1	Tube	
108	3520071	2	Plug	
109	4420066	AR	Tape, Double Sided	
111	1001163131	2	Decal - Glazier Capacity	
	0272418	Ref	SKYGLAZIER DECAL INSTALLATION	4
201	1705358	2	Decal - SkyGlazier	

FIGURE 5-35. SKYGLAZIER INSTALLATION (SPANISH LANGUAGE DECALS)

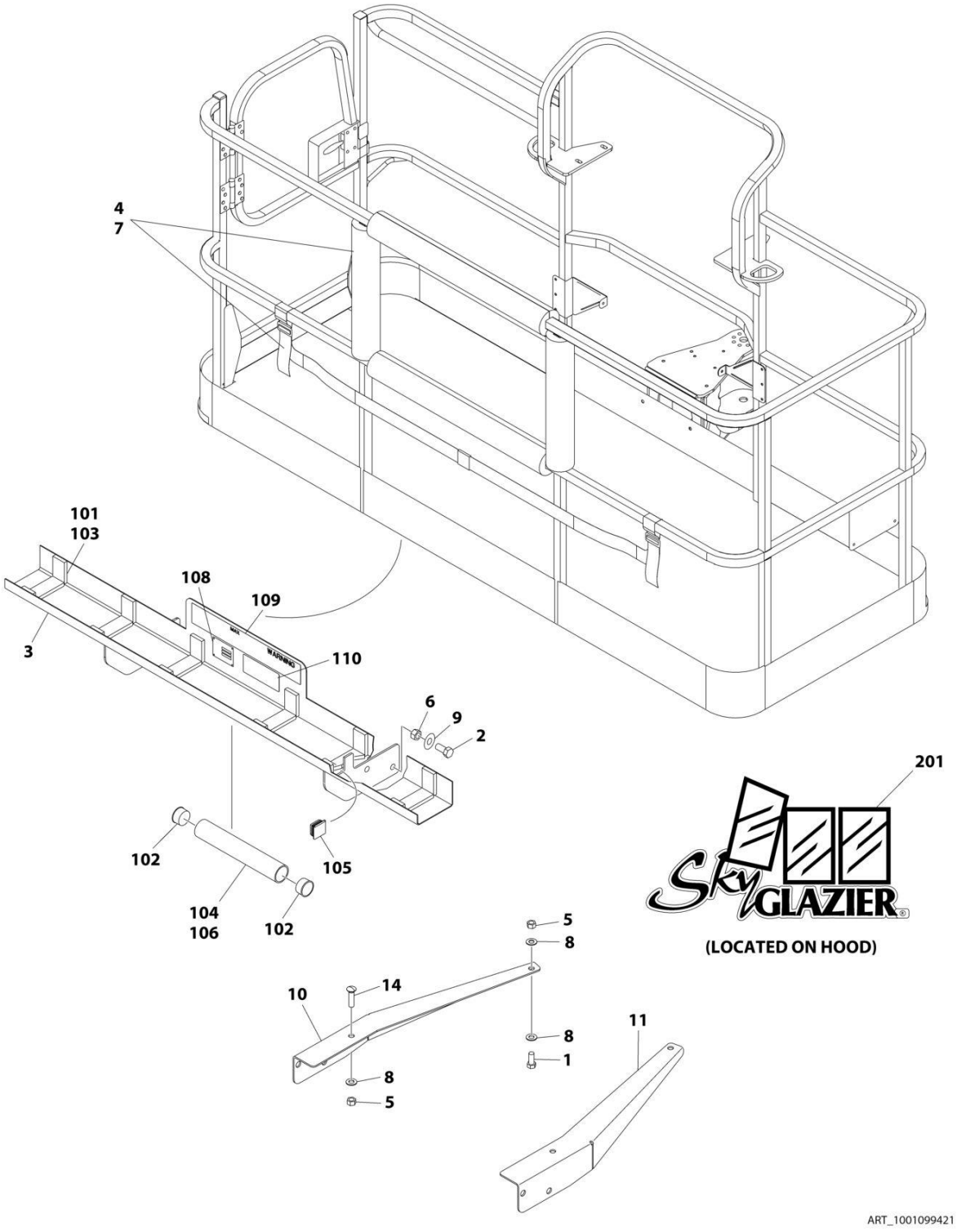


FIGURE 5-35. SKYGLAZIER INSTALLATION (SPANISH LANGUAGE DECALS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099421	Ref	SKYGLAZIER INSTALLATION	C
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	0272948	1	Tray Assembly (See Items 101-110 for Breakdown)	
4	2902212	1	Bumpers and Strap Kit	
4	0940102	1	Bumper Only	
4	4240149	1	Strap Only	
5	3312005	4	Nut 5/8	
6	3312205	4	Nut 3/4	
7	4420014	AR	Tape	
8	4712000	6	Washer 5/8	
9	4712200	8	Washer 3/4	
10	1001099366	1	Support	
11	1001099367	1	Support	
14	8310129	2	Bolt 3/4 x 2-1/2	
	0272948	Ref	TRAY ASSEMBLY	F
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	3340956	1	Pad Kit	
104	3460334	1	Tube	
105	3520071	2	Plug	
106	4420066	AR	Tape, Double Sided	
108	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
109	1001163296	2	Decal - Glazier Capacity	
110	1701509	1	Decal - Manual	
	0272418	Ref	SKYGLAZIER DECAL INSTALLATION	4
201	1705358	2	Decal - SkyGlazier	

FIGURE 5-36. SKYGLAZIER INSTALLATION (PORTUGUESE LANGUAGE DECALS)

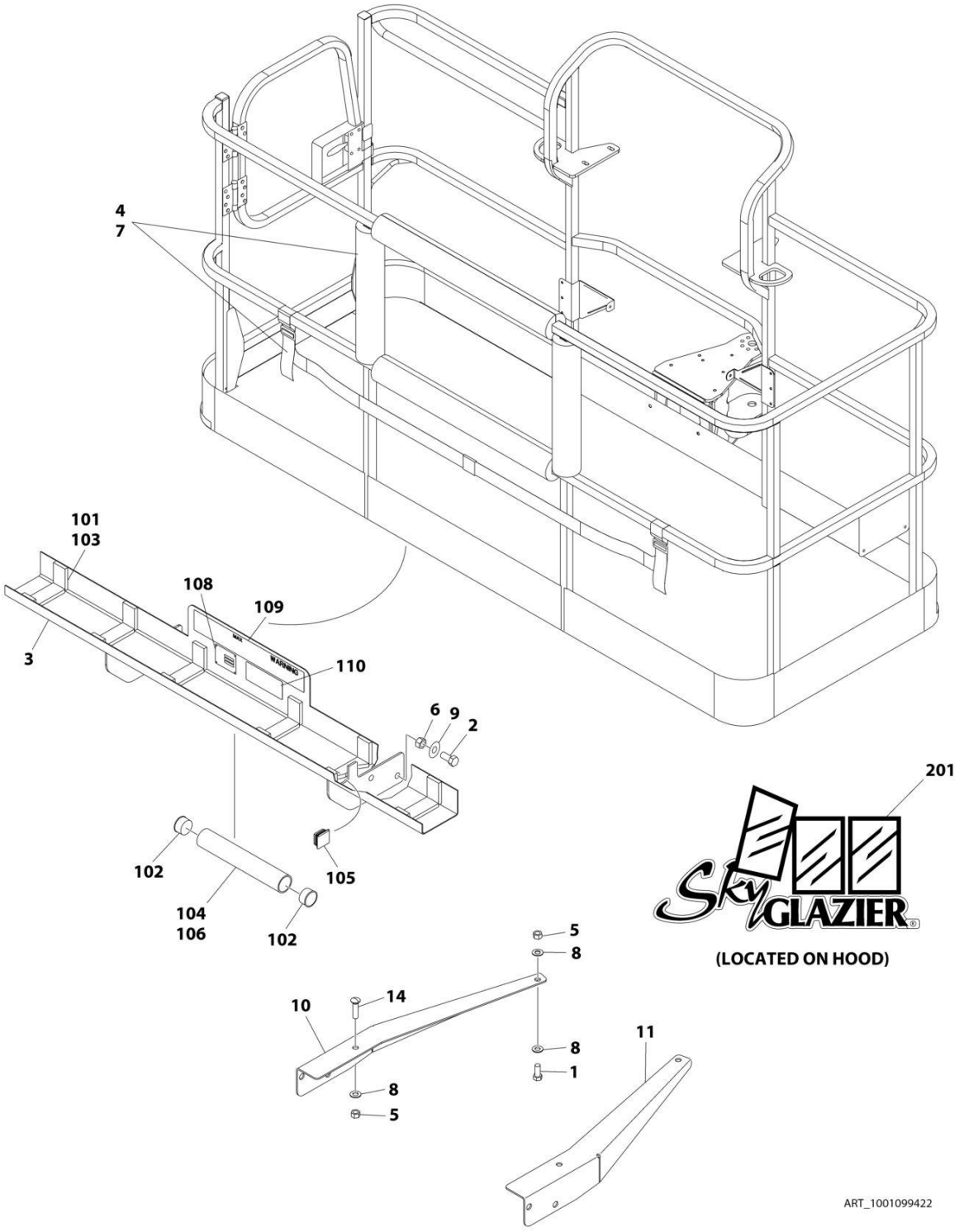


FIGURE 5-36. SKYGLAZIER INSTALLATION (PORTUGUESE LANGUAGE DECALS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099422	Ref	SKYGLAZIER INSTALLATION	C
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	0272951	1	Tray Assembly (See Items 101-110 for Breakdown)	
4	2902212	1	Bumpers and Strap Kit	
4	0940102	1	Bumper Only	
4	4240149	1	Strap Only	
5	3312005	4	Nut 5/8	
6	3312205	4	Nut 3/4	
7	4420014	AR	Tape	
8	4712000	6	Washer 5/8	
9	4712200	8	Washer 3/4	
10	1001099366	1	Support	
11	1001099367	1	Support	
14	8310129	2	Bolt 3/4 x 2-1/2	
	0272951	Ref	TRAY ASSEMBLY	F
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	3340956	1	Pad Kit	
104	3460334	1	Tube	
105	3520071	2	Plug	
106	4420066	AR	Tape, Double Sided	
108	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
109	1001163297	2	Decal - Glazier Capacity	
110	1701509	1	Decal - Manual	
	0272418	Ref	SKYGLAZIER DECAL INSTALLATION	4
201	1705358	2	Decal - SkyGlazier	

FIGURE 5-37. SKYGUARD BAR INSTALLATION

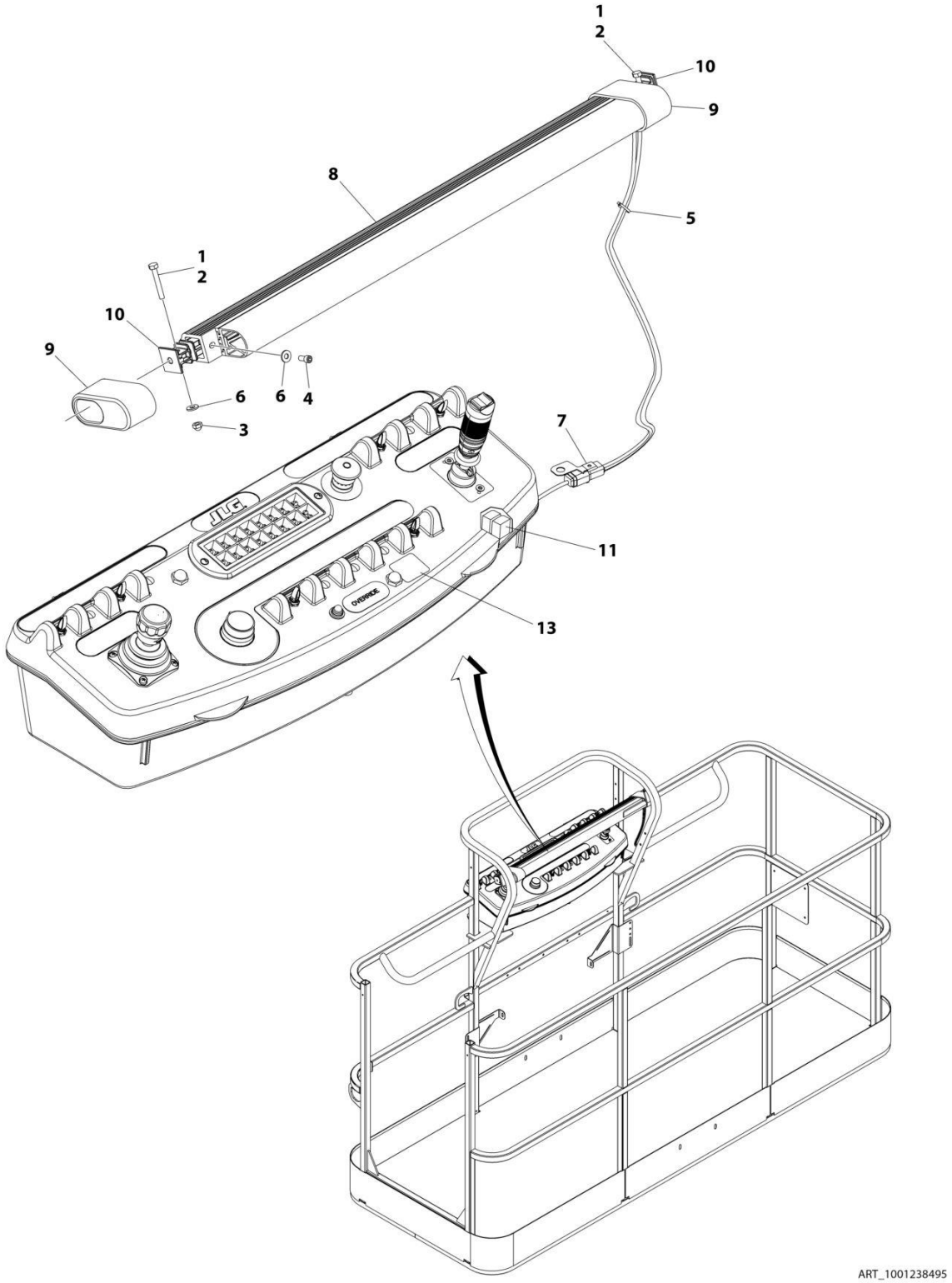


FIGURE 5-37. SKYGUARD BAR INSTALLATION

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

FIGURE 5-38. SKYLINE INSTALLATION

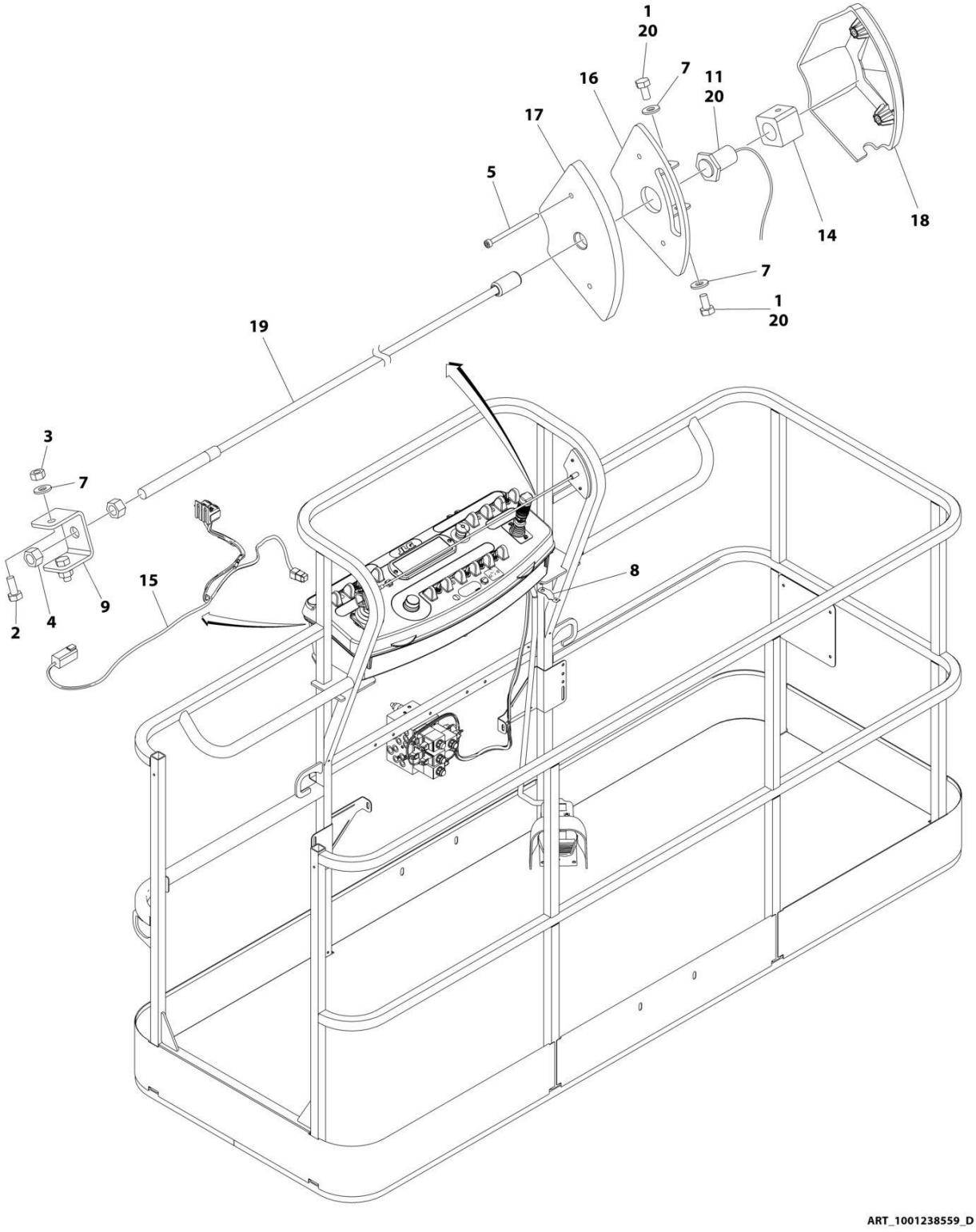


FIGURE 5-38. SKYLINE INSTALLATION

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	

FIGURE 5-39. SKYWELDER INSTALLATION (50HZ)

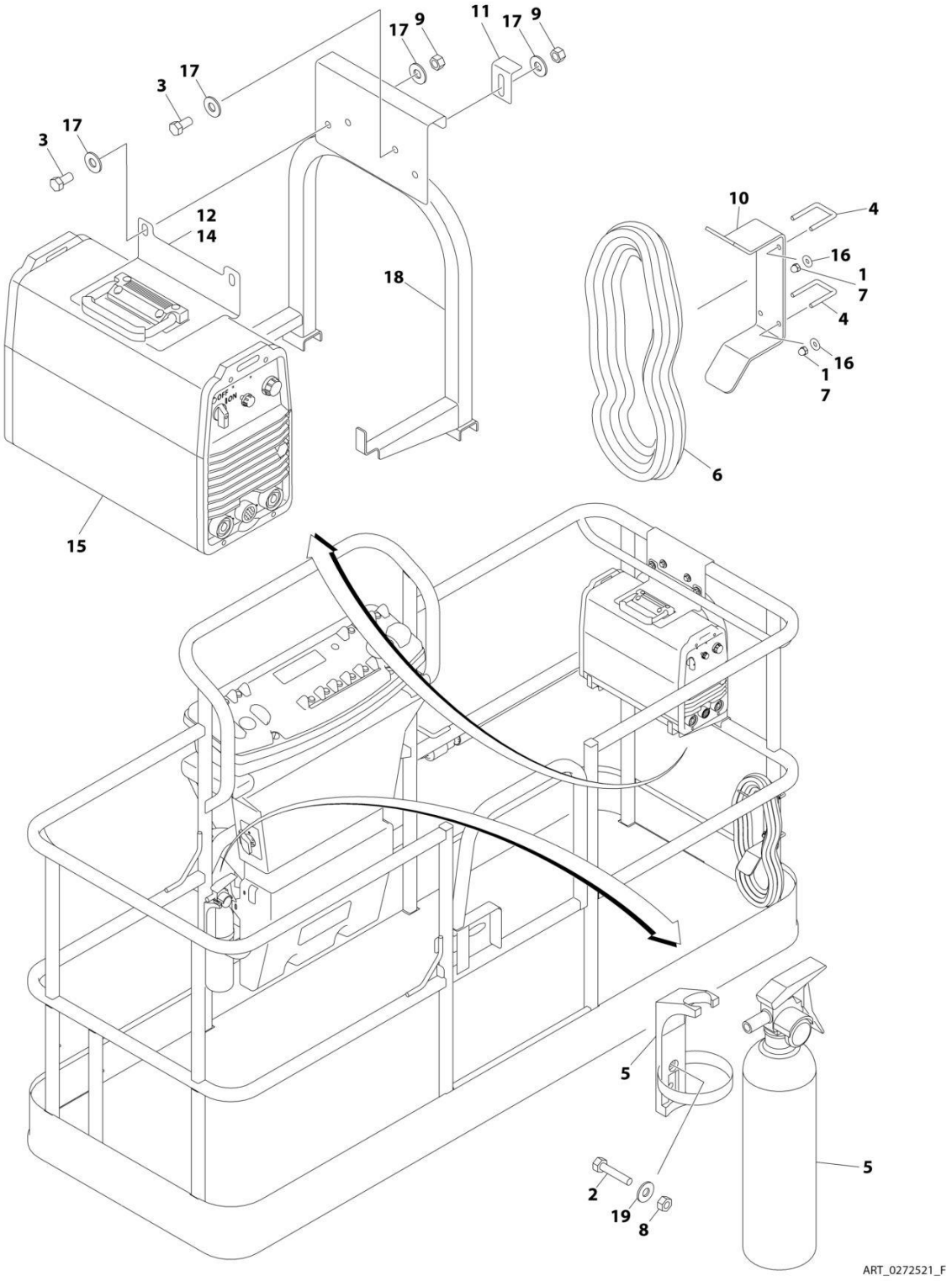


FIGURE 5-39. SKYWELDER INSTALLATION (50HZ)

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	

FIGURE 5-40. SKYWELDER INSTALLATION (60HZ)

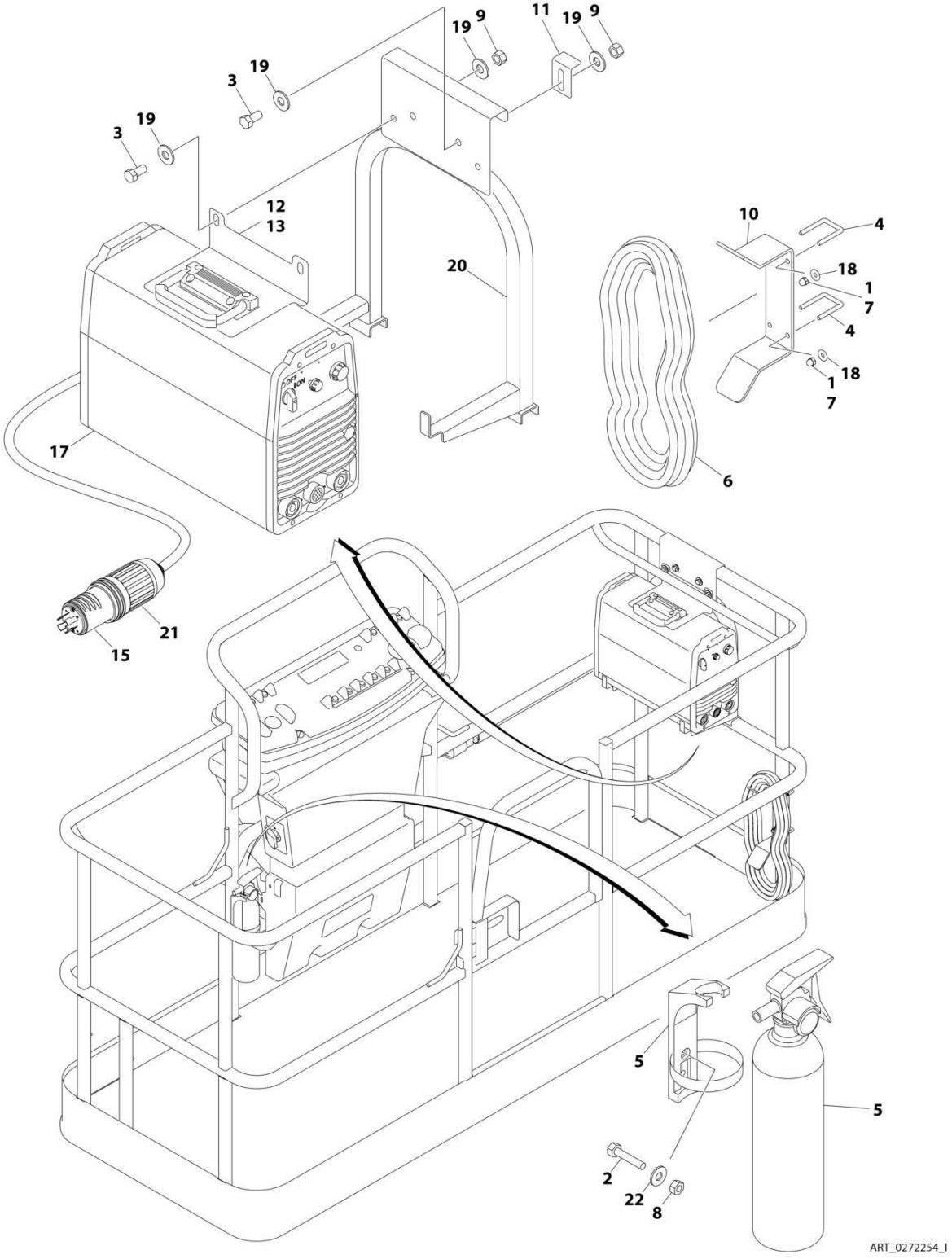
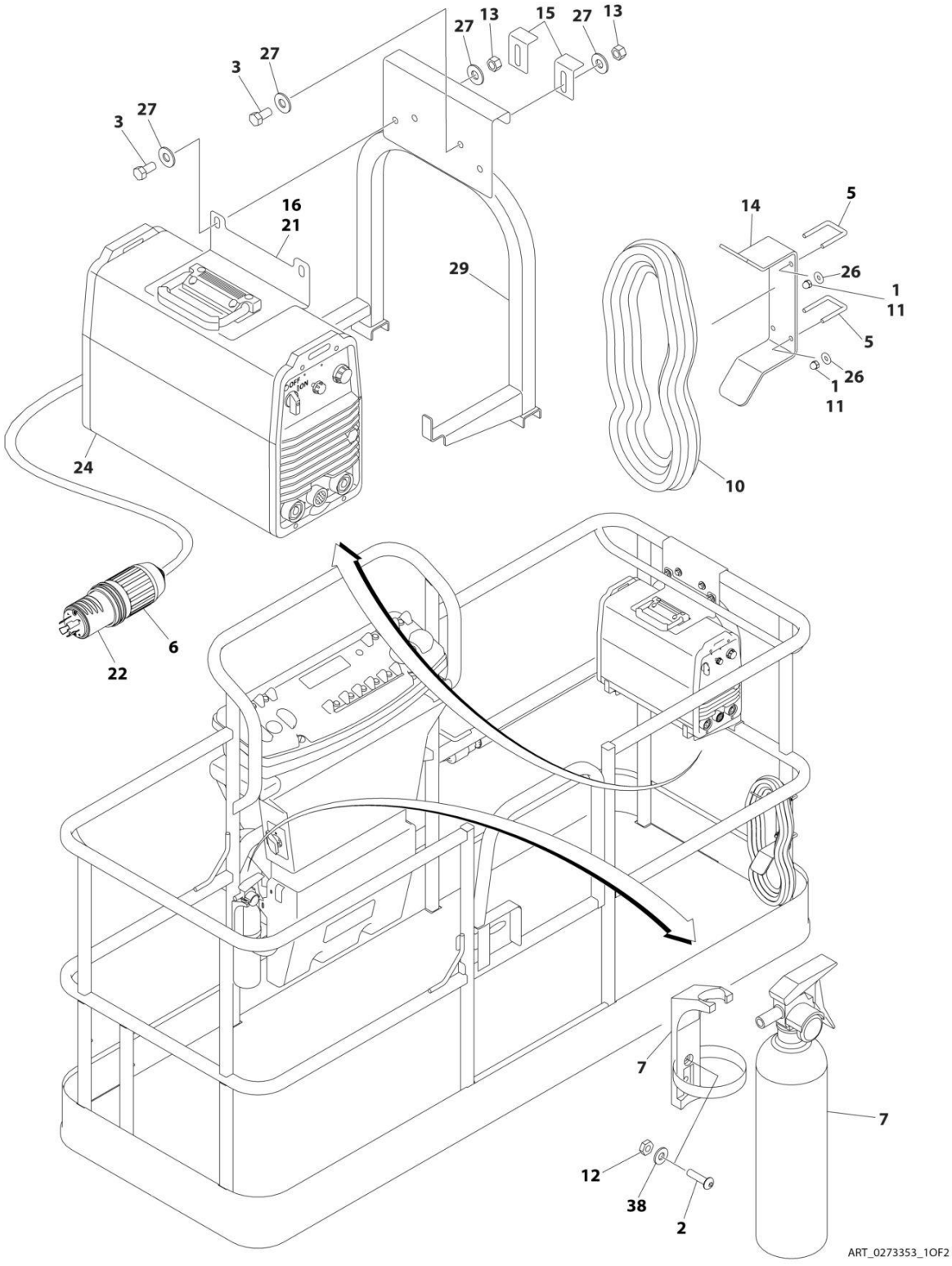


FIGURE 5-40. SKYWELDER INSTALLATION (60HZ)

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

FIGURE 5-41. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)



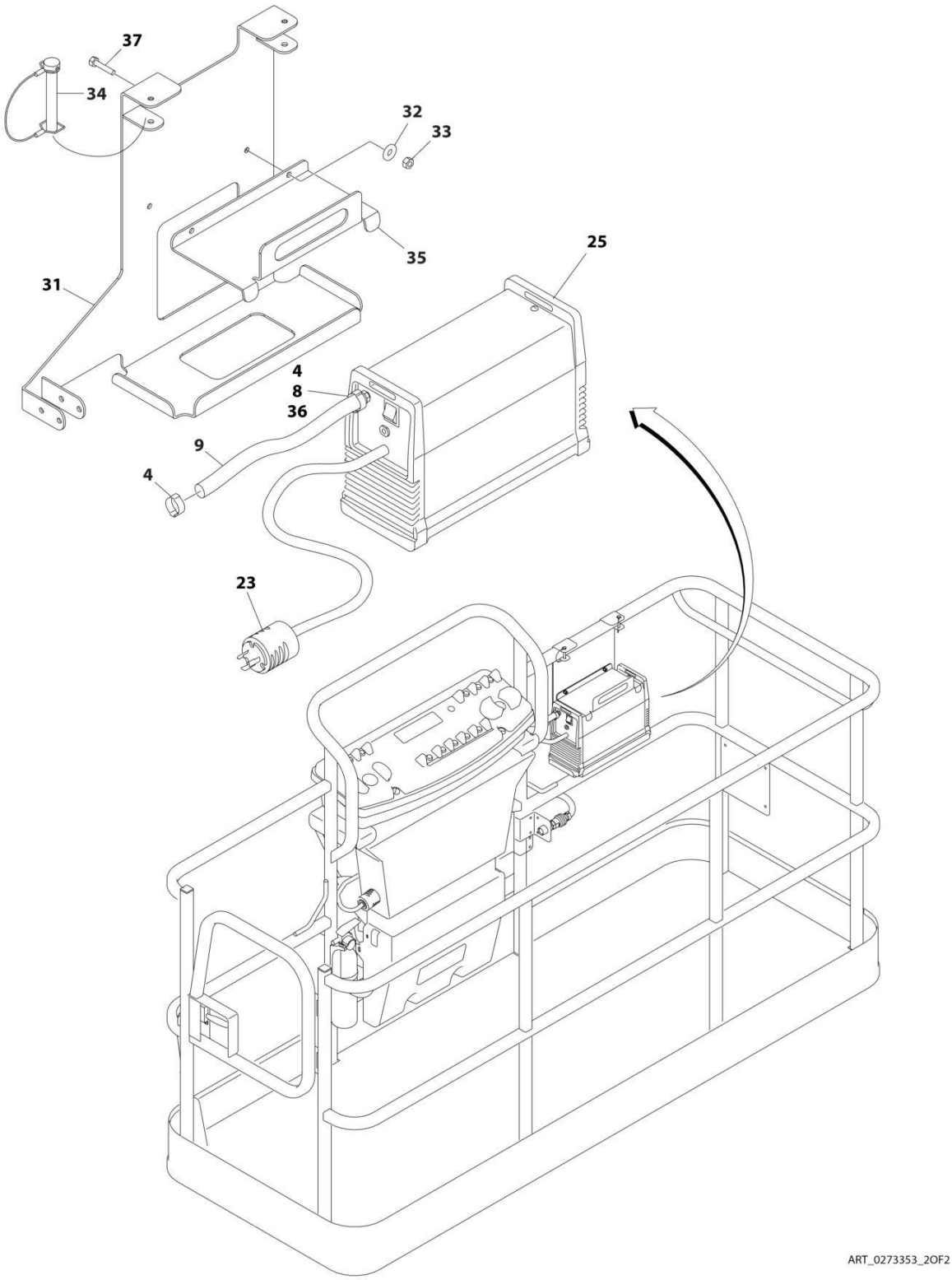

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ART_0273353_2OF2

FIGURE 5-41. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273353	Ref	SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)	G
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320177	2	Clamp	
5	1320302	2	Clamp	
6	1671093	1	Cover, Plug	
7	2030010	1	Extinguisher, Fire	
8	2180832	1	Fitting, Barbed/NPT	
9	2720160	4.5 ft /1.37m	Hose	
10	2902217	1	Weld Leads Kit	
11	3300151	4	Nut 1/4	
12	3311005	2	Nut #10	
13	3311605	4	Nut 3/8	
14	3573400	1	Bracket	
15	3577121	2	Angle	
16	3573642	1	Plate	
20	4240099	AR	Tie-Strap (Not Shown)	
21	4420037	2.36 ft /.71m	Tape	
22	4460962	1	Plug, Twist Lock	
23	4460971	1	Plug, Twist Lock	
24	4530028	1	Welder Assembly (See Separate Breakdown in this section)	
25	1001098012	1	Plasma Cutter Assembly (See Separate Breakdown in this Section)	
26	4751400	4	Washer 1/4	
27	4751600	8	Washer 3/8	
29	4846627	1	Support	
31	1001145405	1	Bracket	
32	4811700	2	Washer M6	
33	3290605	2	Nut M6	
34	3421453	3	Pin	
35	3576799	1	Plate, Hold-Down	
36	0100020	1	Sealant	
37	4010608	2	Screw M6 x 16	
38	4751000	2	Washer #10	

FIGURE 5-42. WELDER ASSEMBLY

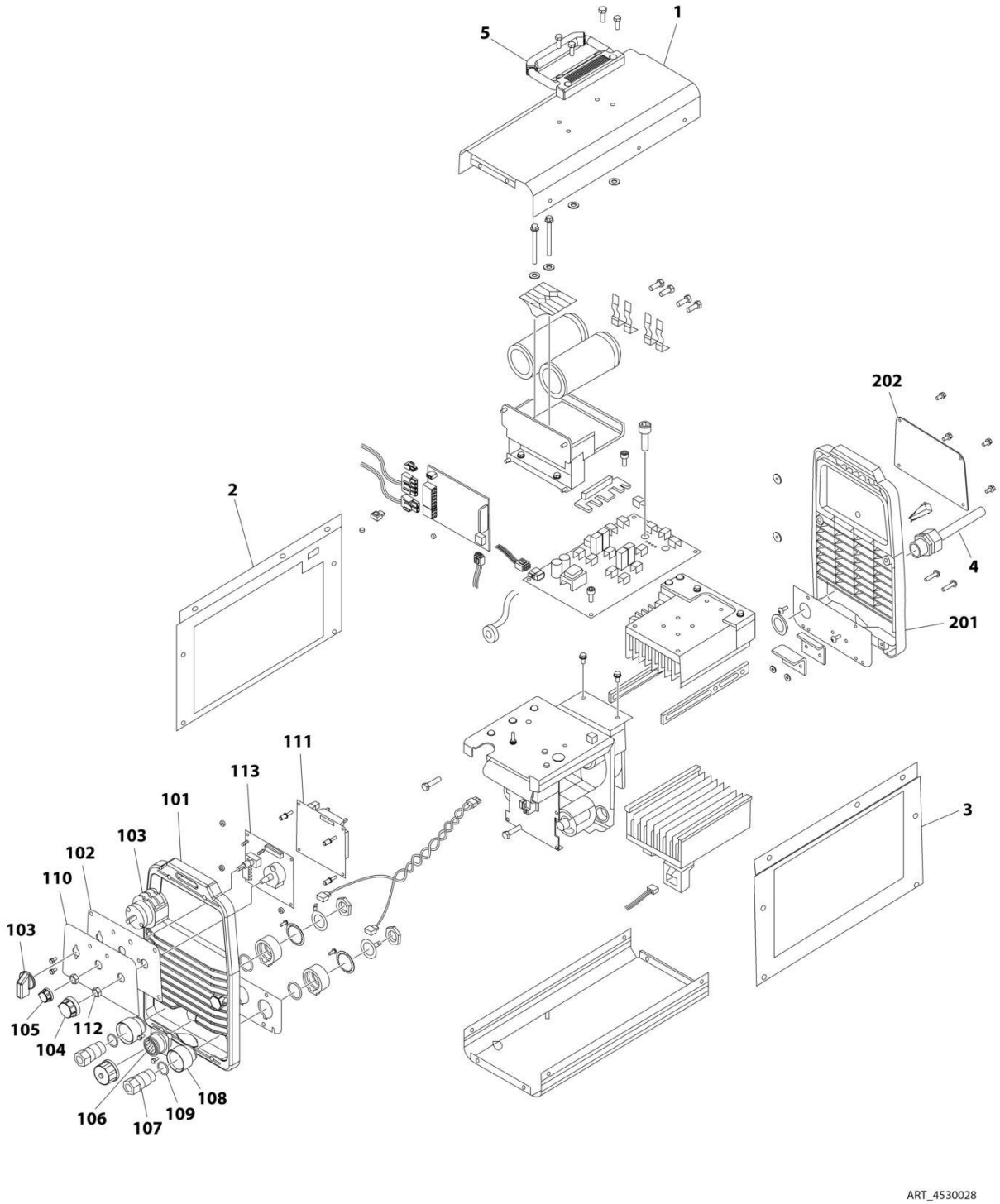


FIGURE 5-42. WELDER ASSEMBLY

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	

FIGURE 5-43. SKYWELDER PREP PACKAGE (60HZ)

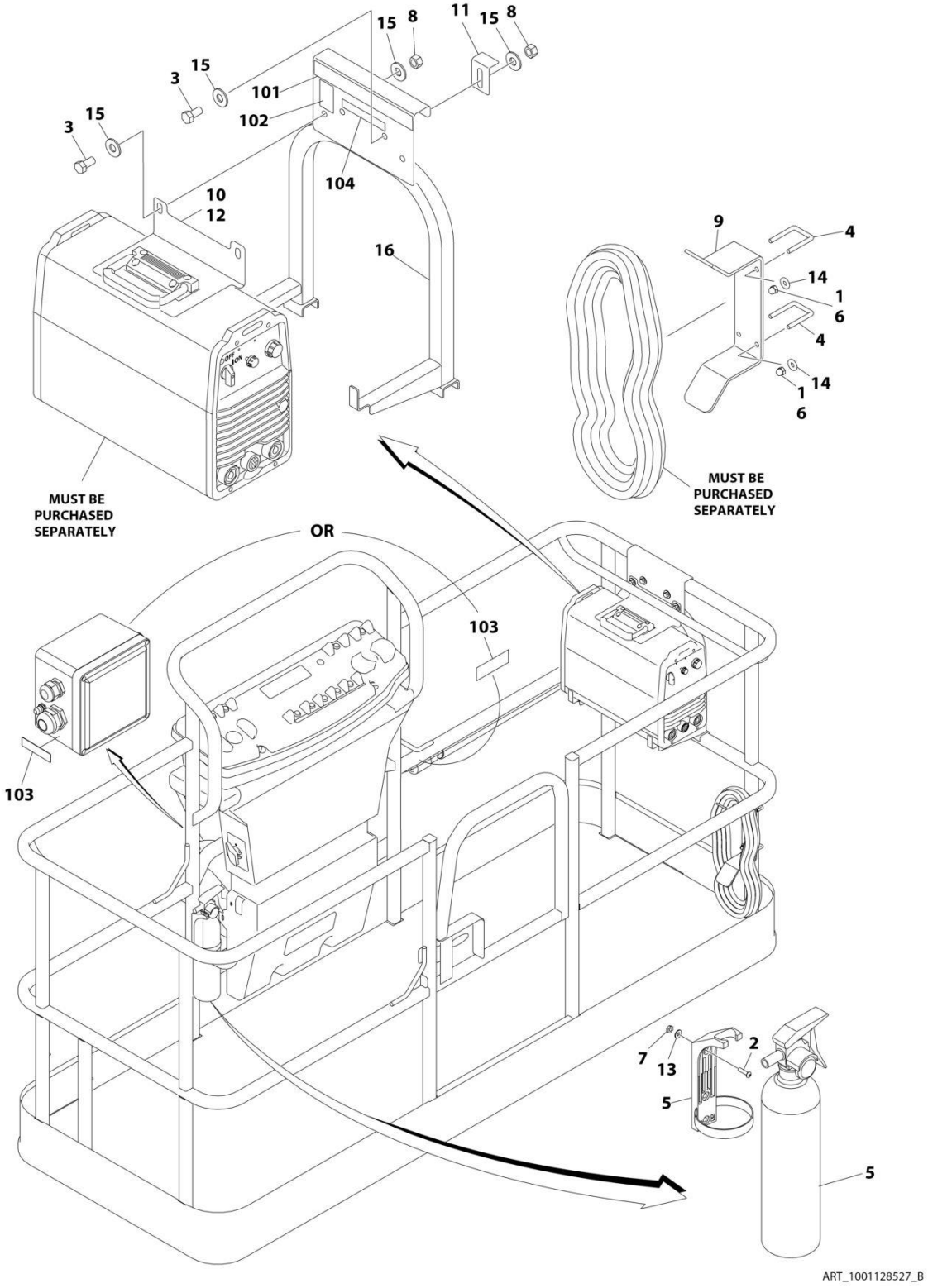


FIGURE 5-43. SKYWELDER PREP PACKAGE (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001128527	Ref	SKYWELDER PREP PACKAGE	B
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	3573642	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	4846627	1	Support	
	1001128556	Ref	SKYWELDER DECAL INSTALLATION	C
101	1702868	1	Decal - No Hands	
102	1705305	1	Decal - Weld Lead	
103	1705375	1	Decal - 240V - 3 Phase - 60Hz	
104	1001228988	1	Decal - Weight	

FIGURE 5-44. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M PLATFORM

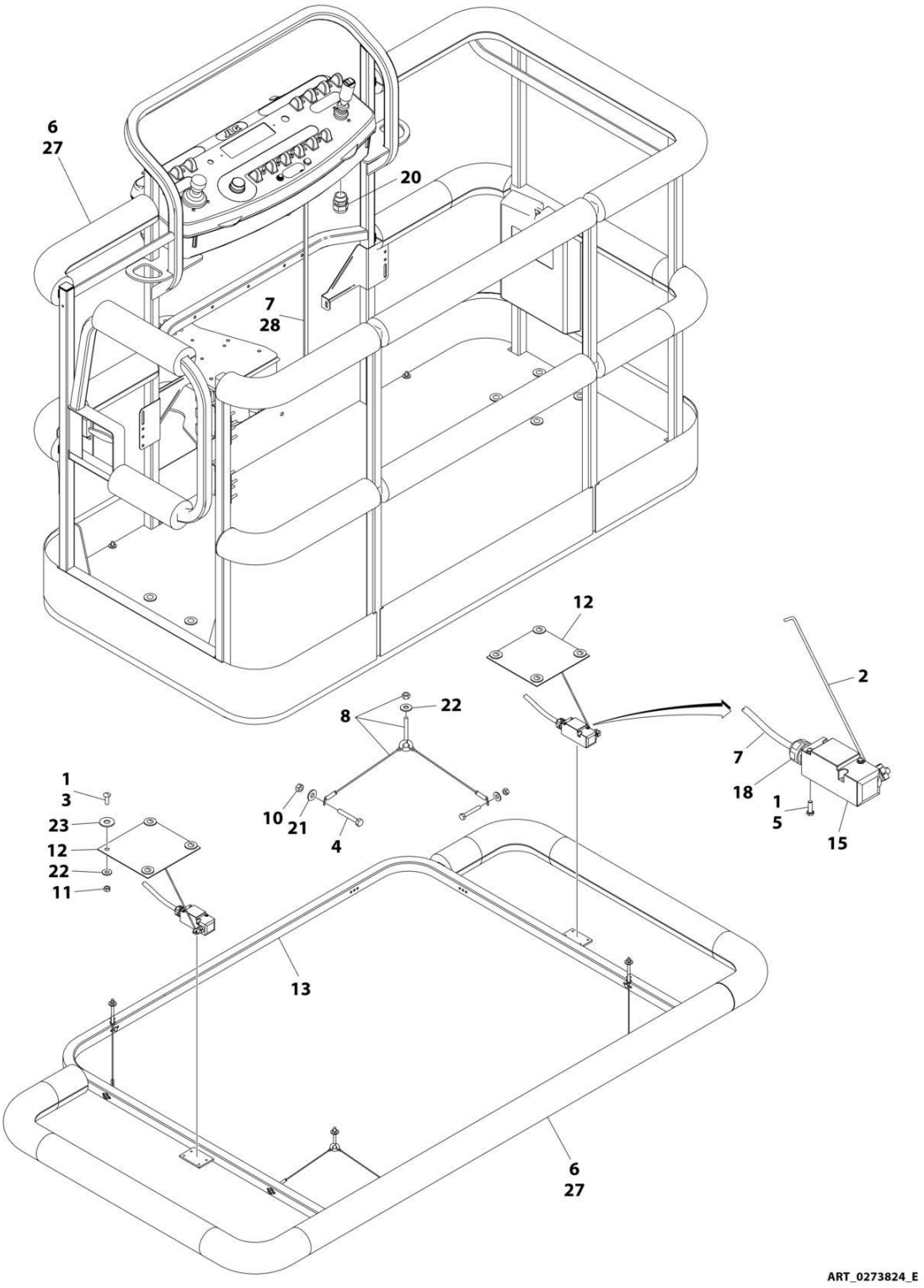


FIGURE 5-44. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273824	Ref	SOFT TOUCH SYSTEM INSTALLATION	E
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	0731005	4	Bolt #10 x 5/8	
6	0940134	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	AR	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	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3575359	2	Plate, Switch Strike	
13	3641569	1	Rail, Soft Touch	
14	4240099	7	Tie-Strap (Not Shown)	
15	4360057	2	Switch, Limit	
18	4460049	2	Connector, Strain Relief	
19	4460234	7	Tie-Strap (Not Shown)	
20	4460425	1	Connector, Strain Relief	
21	4751400	8	Washer 1/4	
22	4751500	12	Washer 5/16	
23	4751800	8	Washer 1/2	
27	1001197017	AR	Tie-Strap	
28	4460226	4	Socket	

FIGURE 5-45. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M FALL ARREST PLATFORM

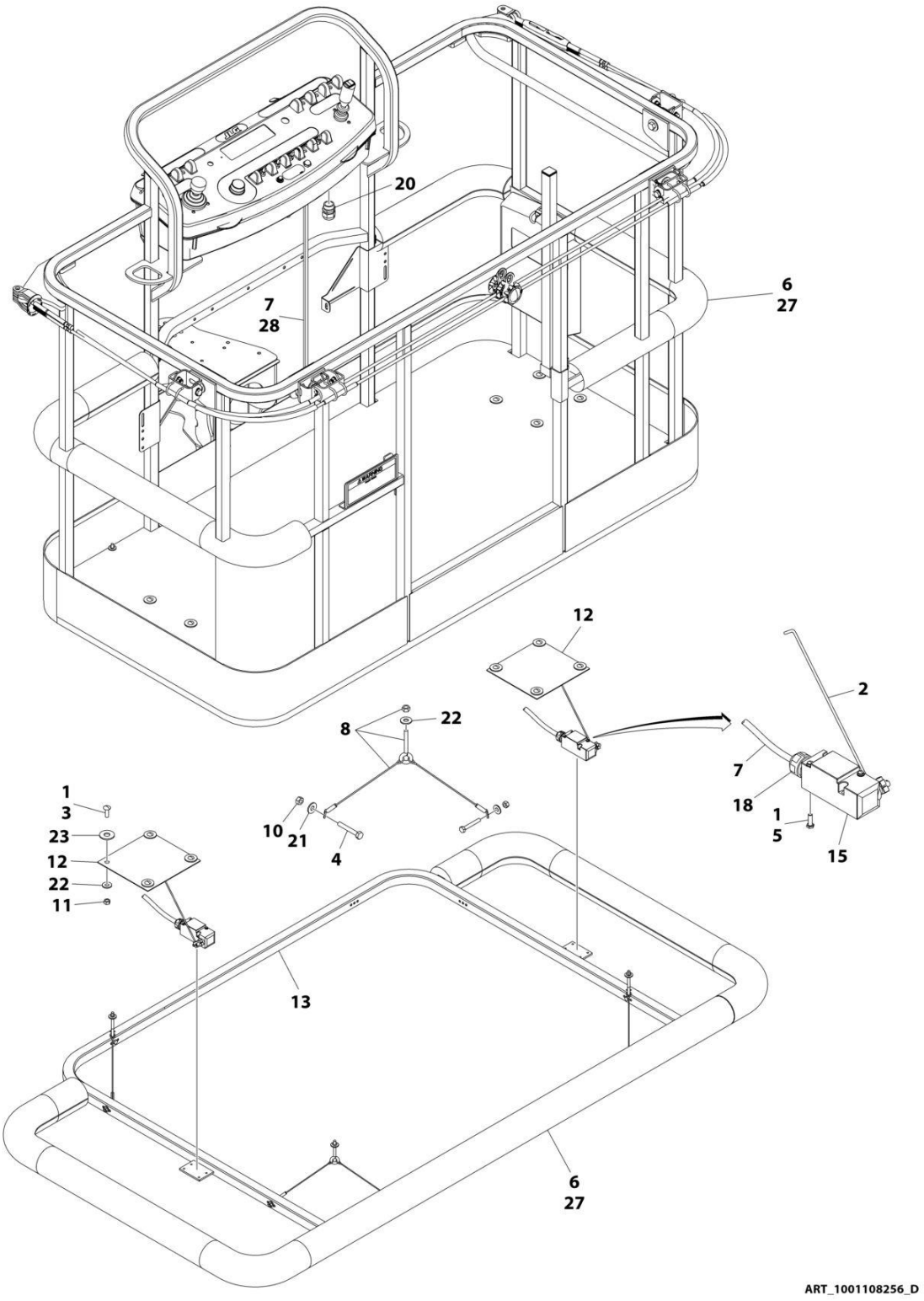


FIGURE 5-45. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M FALL ARREST PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108256	Ref	SOFT TOUCH INSTALLATION	D
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	0731005	4	Bolt #10 x 5/8	
6	0940177	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	8	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	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3575359	2	Plate, Switch Strike	
13	3641569	1	Rail, Soft Touch	
14	4240099	7	Tie-Strap (Not Shown)	
15	4360057	2	Switch, Limit	
18	4460049	2	Connector, Strain Relief	
19	4460234	7	Tie-Strap (Not Shown)	
20	4460425	1	Connector, Strain Relief	
21	4751400	8	Washer 1/4	
22	4751500	9	Washer 5/16	
23	4751800	8	Washer 1/2	
27	1001197017	AR	Strap, Cable Tie (Yellow)	
28	4460226	4	Socket	

FIGURE 5-46. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M PLATFORM

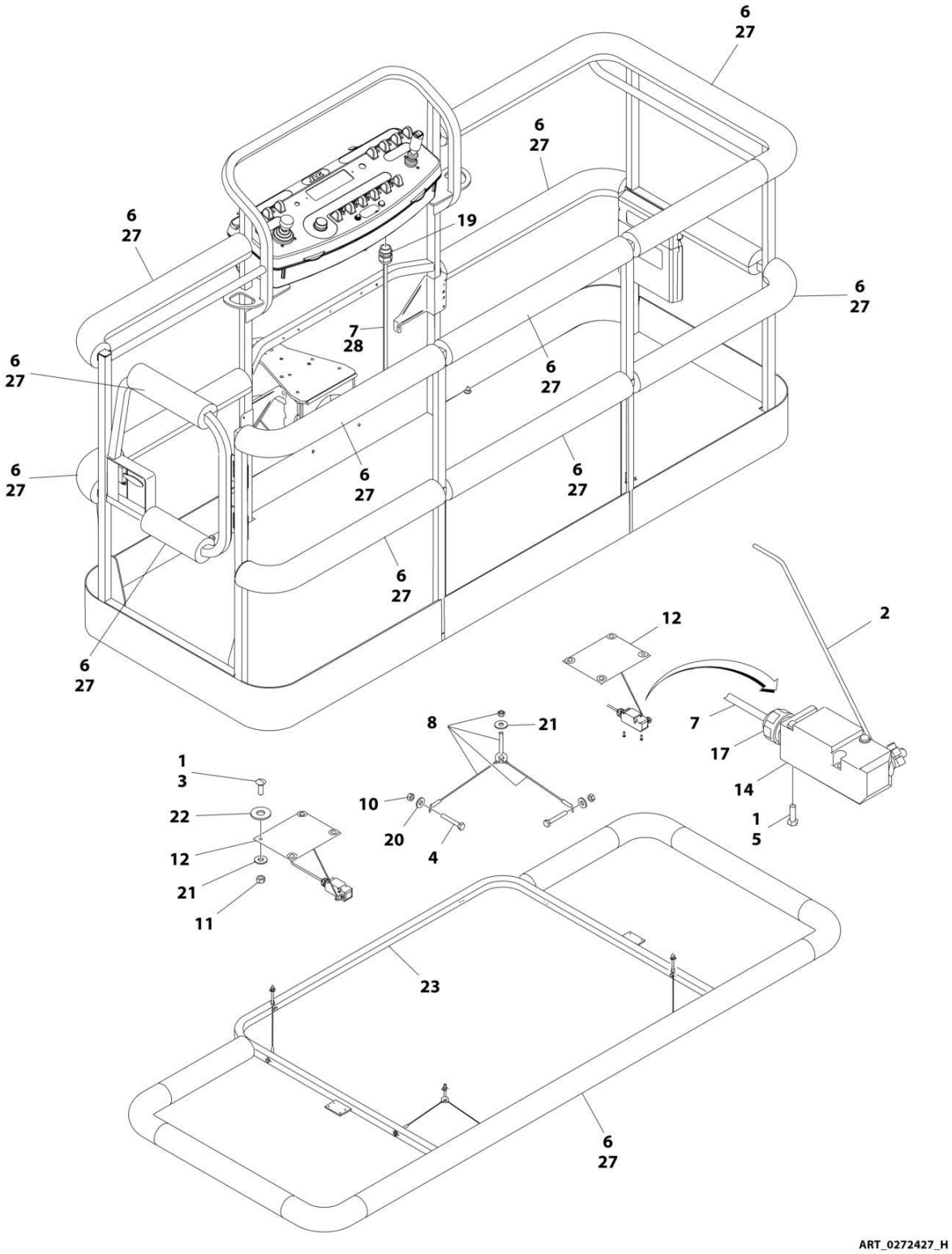


FIGURE 5-46. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272427	Ref	SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM	H
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	
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	
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	
27	1001197017	AR	Tie-Strap	
28	4460226	1	Socket	

FIGURE 5-47. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M FALL ARREST PLATFORM

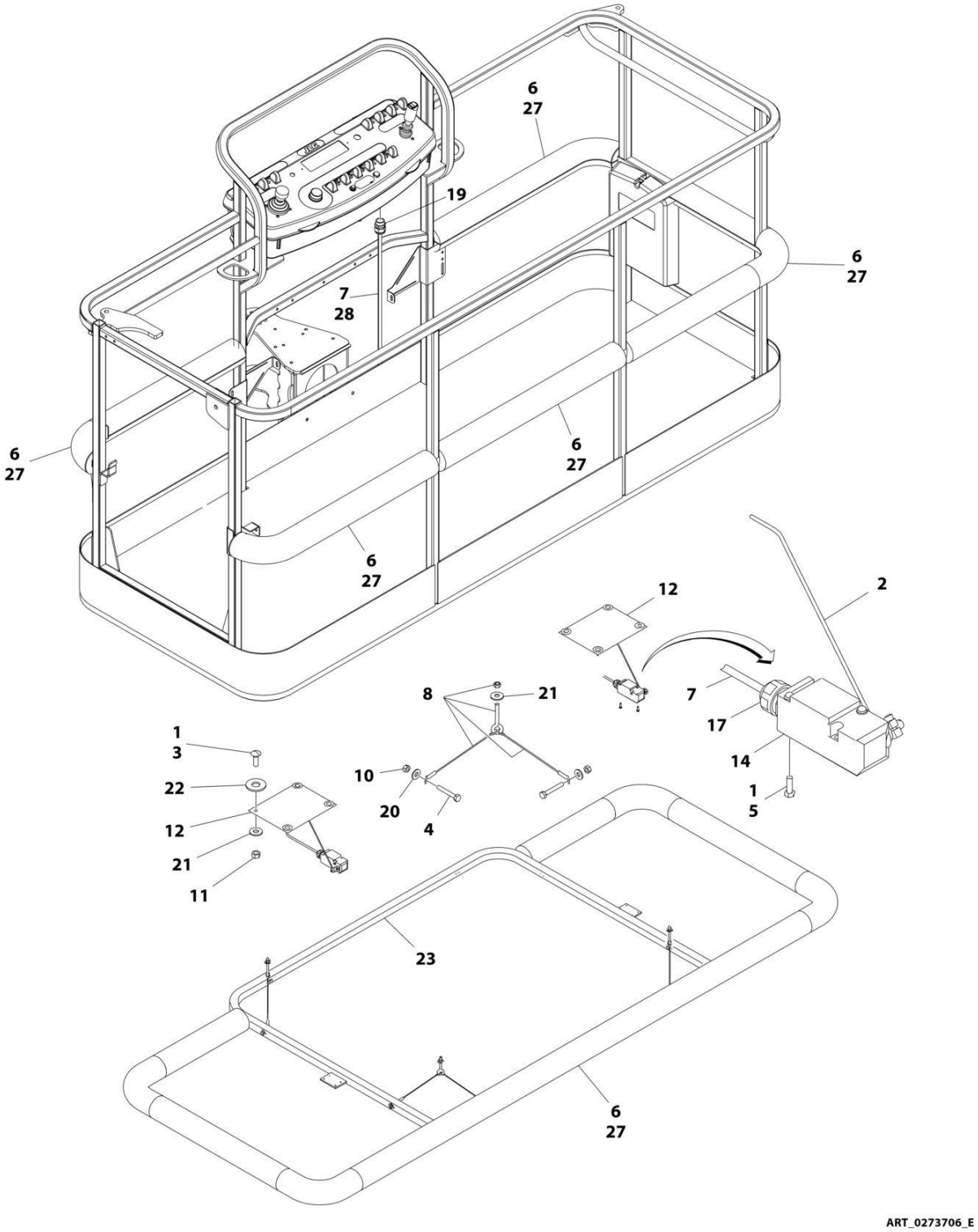


FIGURE 5-47. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M FALL ARREST PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273706	Ref	SOFT TOUCH INSTALLATION	E
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	0940133	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	8	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	
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	
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	
27	1001197017	AR	Tie-Strap	
28	4460226	4	Socket	

FIGURE 5-48. STORAGE TRAY INSTALLATION - CENTER

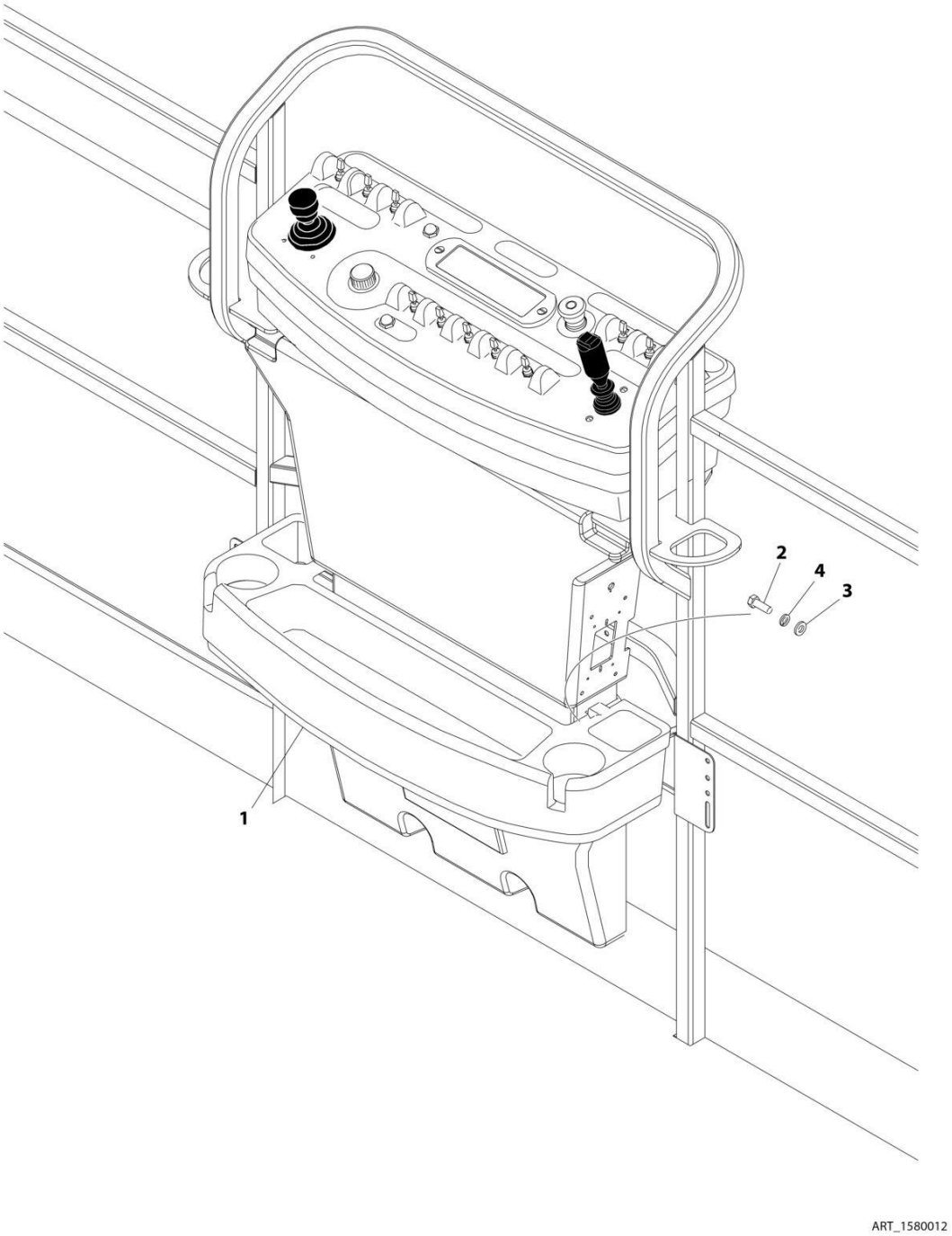


FIGURE 5-48. STORAGE TRAY INSTALLATION - CENTER

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	

FIGURE 5-49. USB CHARGER INSTALLATION

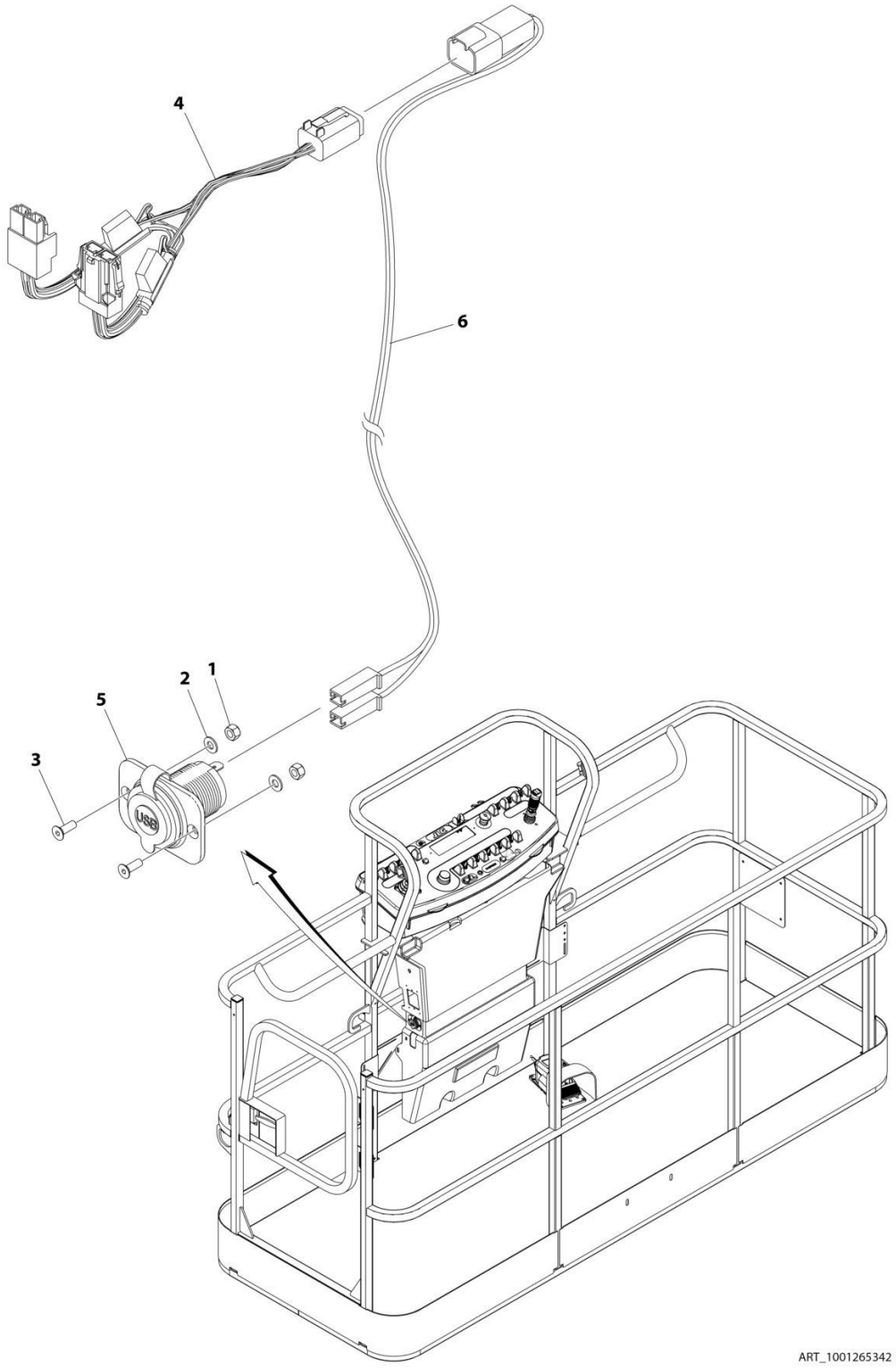


FIGURE 5-49. USB CHARGER INSTALLATION

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. AXLE LOCKOUT CYLINDER ASSEMBLY

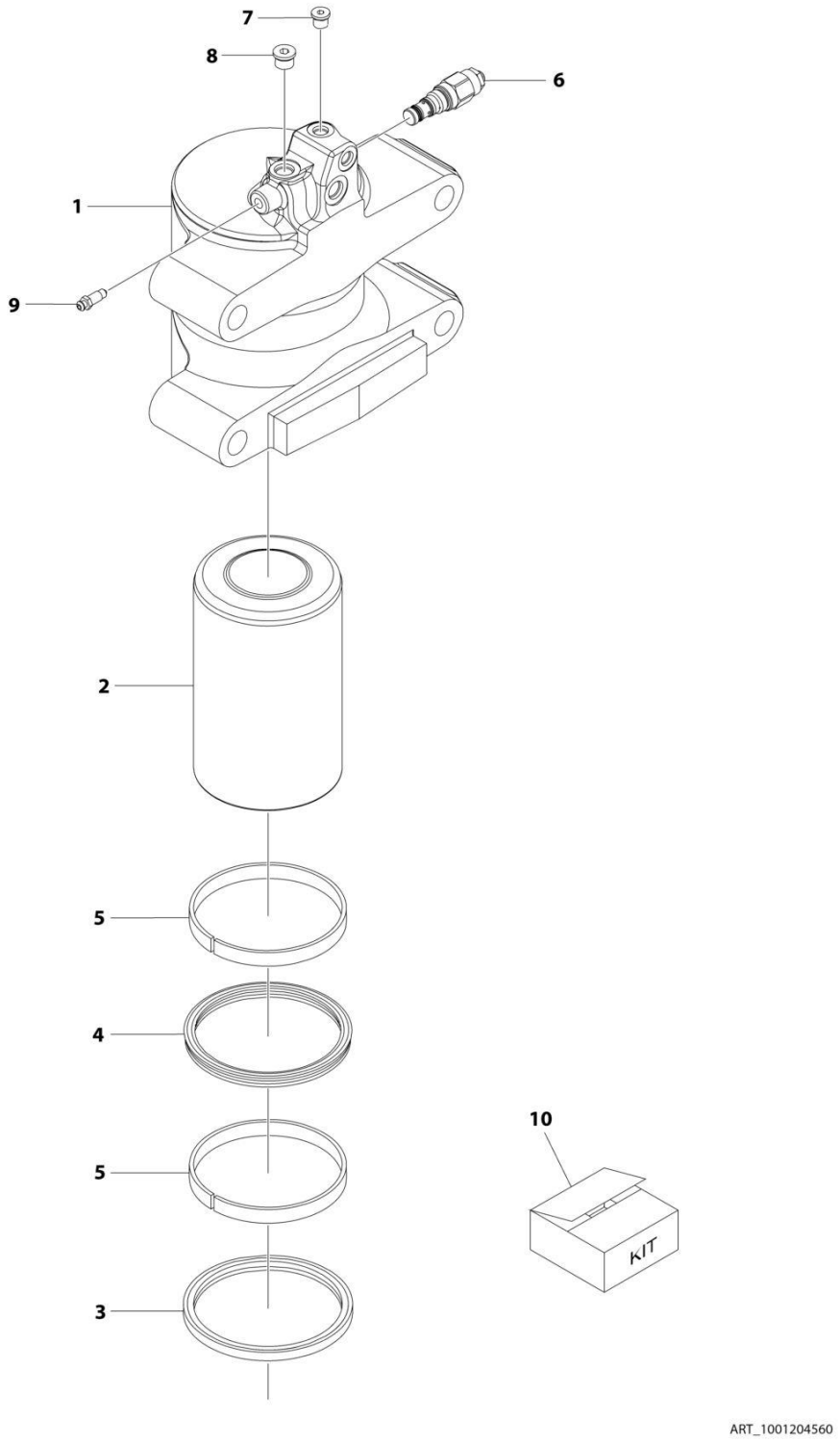


FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204560	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	D
1	1001154126	1	Barrel	
2	1001154687	1	Rod	
3	See Note	NSS	Wiper (Note: Use Item 10)	
4	See Note	NSS	Seal, Rod (Note: Use Item 10)	
5	See Note	NSS	Ring, Wear (Note: Use Item 10)	
6	1001117372	1	Cartridge, Valve (Counterbalance)	
6	70002842	1	Seal Kit - 1001117372 Valve (1 Per Assembly)	
7	2220883	1	Plug, O-Ring	
8	2220885	1	Plug, O-Ring	
9	4640858	1	Valve, Bleeder	
10	1001098167	1	Seal Kit (Includes Items 3-5)	

FIGURE 6-2. LEVEL (SLAVE) CYLINDER ASSEMBLY - JIB

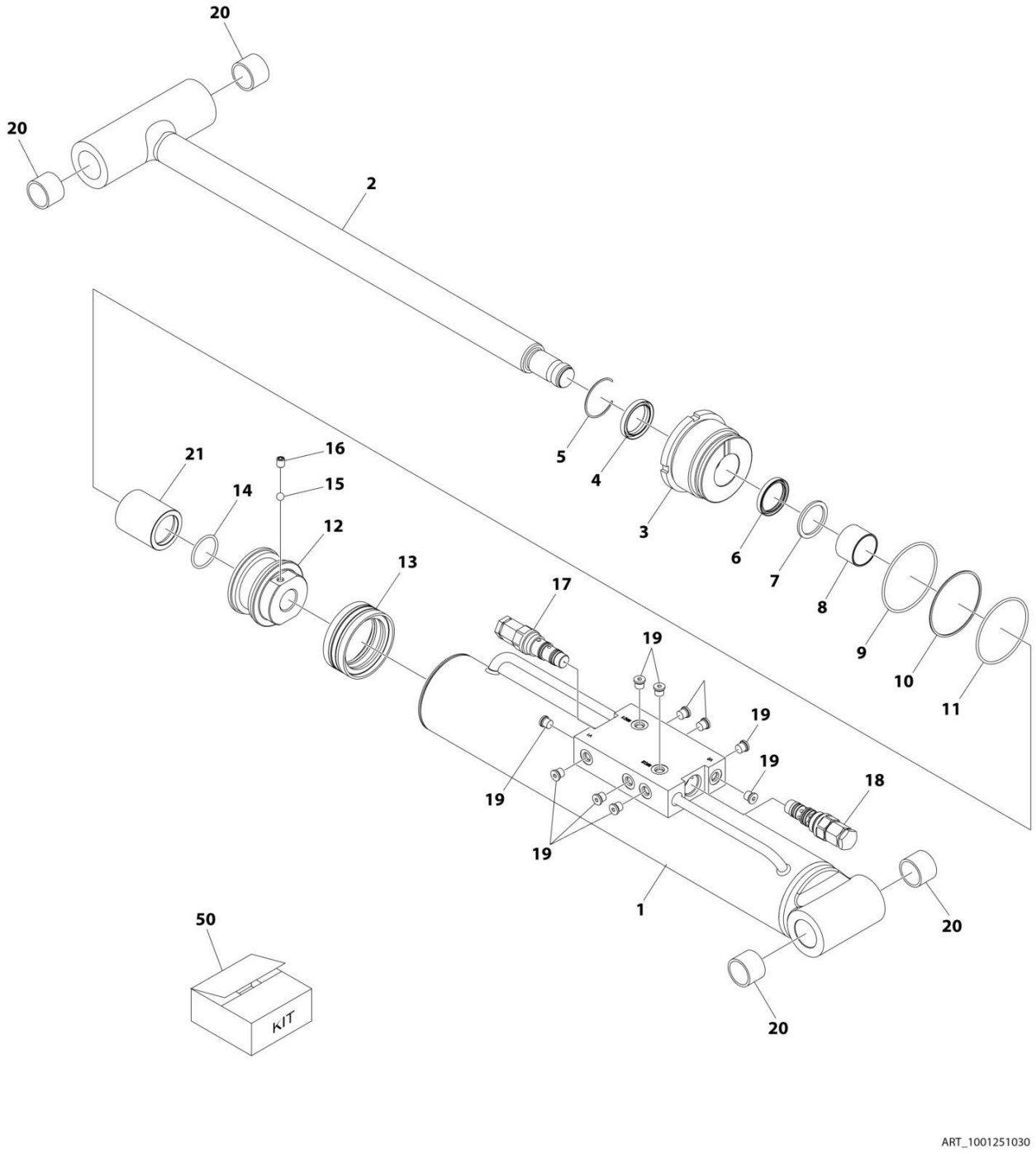


FIGURE 6-2. LEVEL (SLAVE) CYLINDER ASSEMBLY - JIB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251030	Ref	LEVEL (SLAVE) CYLINDER ASSEMBLY	B
		Ref	Note: Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001251030)	
2	70007966	1	Rod	
3	70007967	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 50)	
5	70002373	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 50)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
8	70005143	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 50)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
11	See Note	NSS	O-Ring (Note: Use Item 50)	
12	70005144	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 50)	
14	See Note	NSS	O-Ring (Note: Use Item 50)	
15	70022564	1	Ball, Steel	
16	70006596	1	Setscrew M8 x 12	
17	4640932	1	Cartridge, Valve - Counterbalance	
17	7011112	1	Seal Kit - 4640932 Valve	
18	4640605	1	Cartridge, Valve - Counterbalance	
18	2900792	1	Seal Kit - 4640605 Valve	
19	70023370	10	Plug 7/16	
20	0961951	4	Bearing	
21	70007968	1	Spacer	
50	70007969	1	Seal Kit - 1001251030 Cylinder (Includes Items 4, 6, 7, 9-11, 13 & 14)	

FIGURE 6-3. LEVEL CYLINDER ASSEMBLY - UPRIGHT

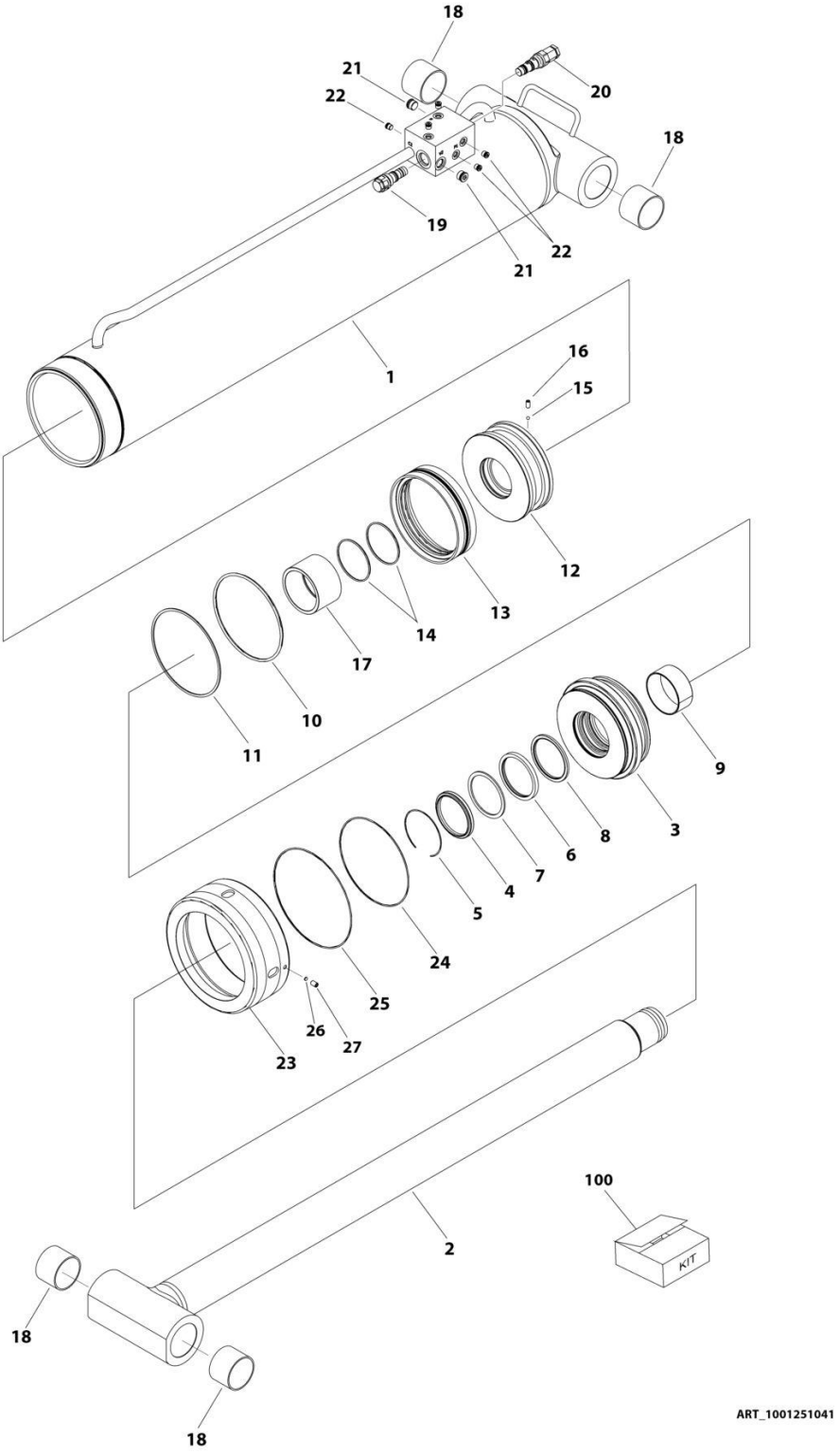


FIGURE 6-3. LEVEL CYLINDER ASSEMBLY - UPRIGHT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251041	Ref	LIFT CYLINDER ASSEMBLY	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	70007427	1	Rod	
3	70007422	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70023380	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, Buffer (Note: Use Item 100)	
9	70007423	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	70007428	1	Piston	
13	See Note	NSS	Seal (Note: Use Item 100)	
14	See Note	NSS	O-Ring (Note: Use Item 100)	
15	70022564	1	Steel Ball	
16	70007246	1	Screw, Set	
17	70007429	1	Spacer	
18	0962102	4	Bushing	
19	4640509	1	Cartridge, Valve	
19	2900792	1	Seal Kit - 4640509 Valve	
20	4640605	1	Cartridge, Valve	
20	2900792	1	Seal Kit - 4640605 Valve	
21	2220886	2	Plug, O-Ring	
22	2220883	5	Plug, O-Ring	
23	70007278	1	Cap	
24	See Note	1	O-Ring (Note: Use Item 100)	
25	See Note	NSS	O-Ring (Note: Use Item 100)	
26	70007282	1	Insert, Locking	
27	70026287	1	Screw, Set	
100	70007430	1	Seal Kit (Includes Items 4, 6-8, 10, 11, 13, 14, 24 & 25)	

FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB

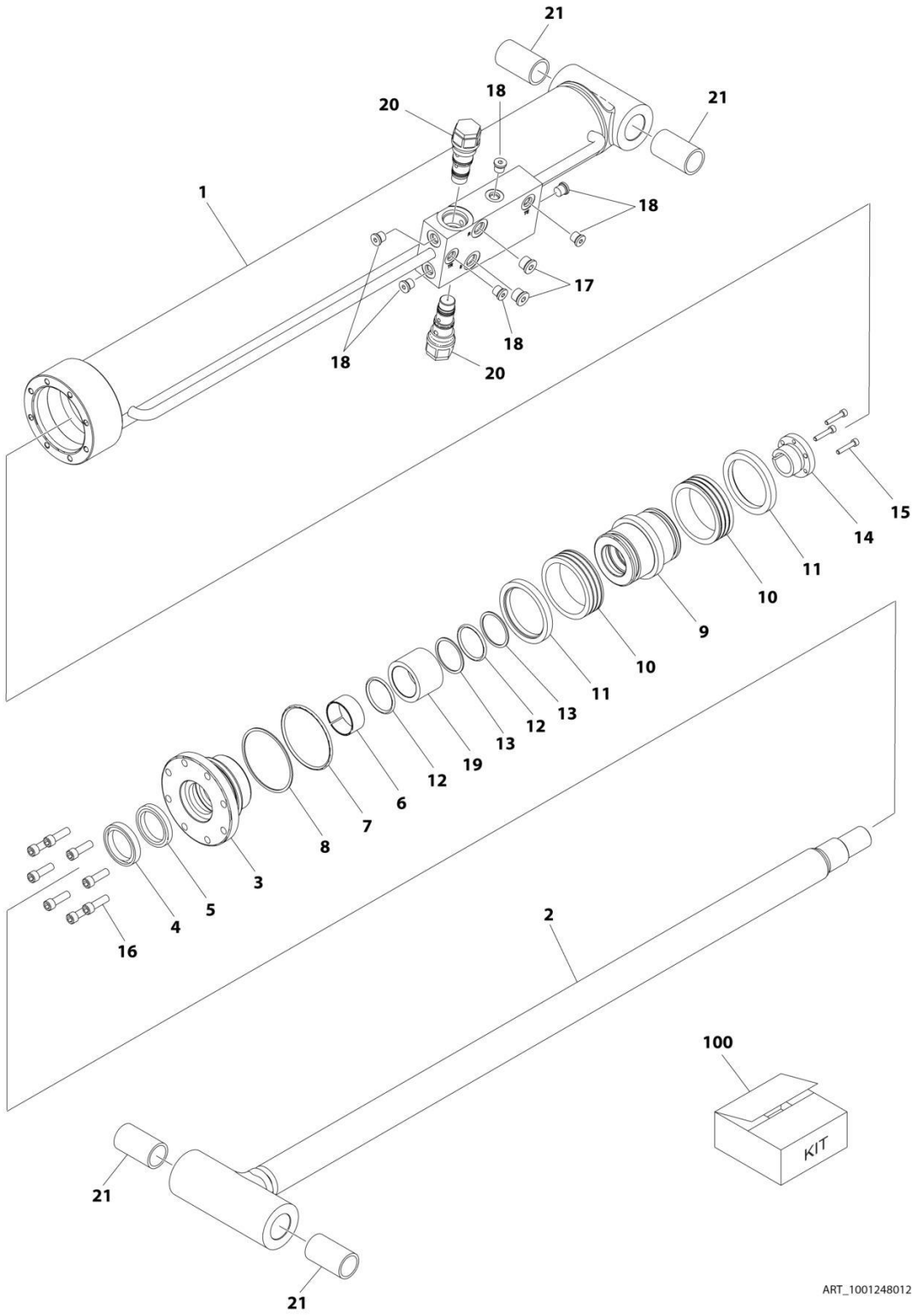


FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB

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)	

FIGURE 6-5. LIFT CYLINDER ASSEMBLY - MAIN BOOM

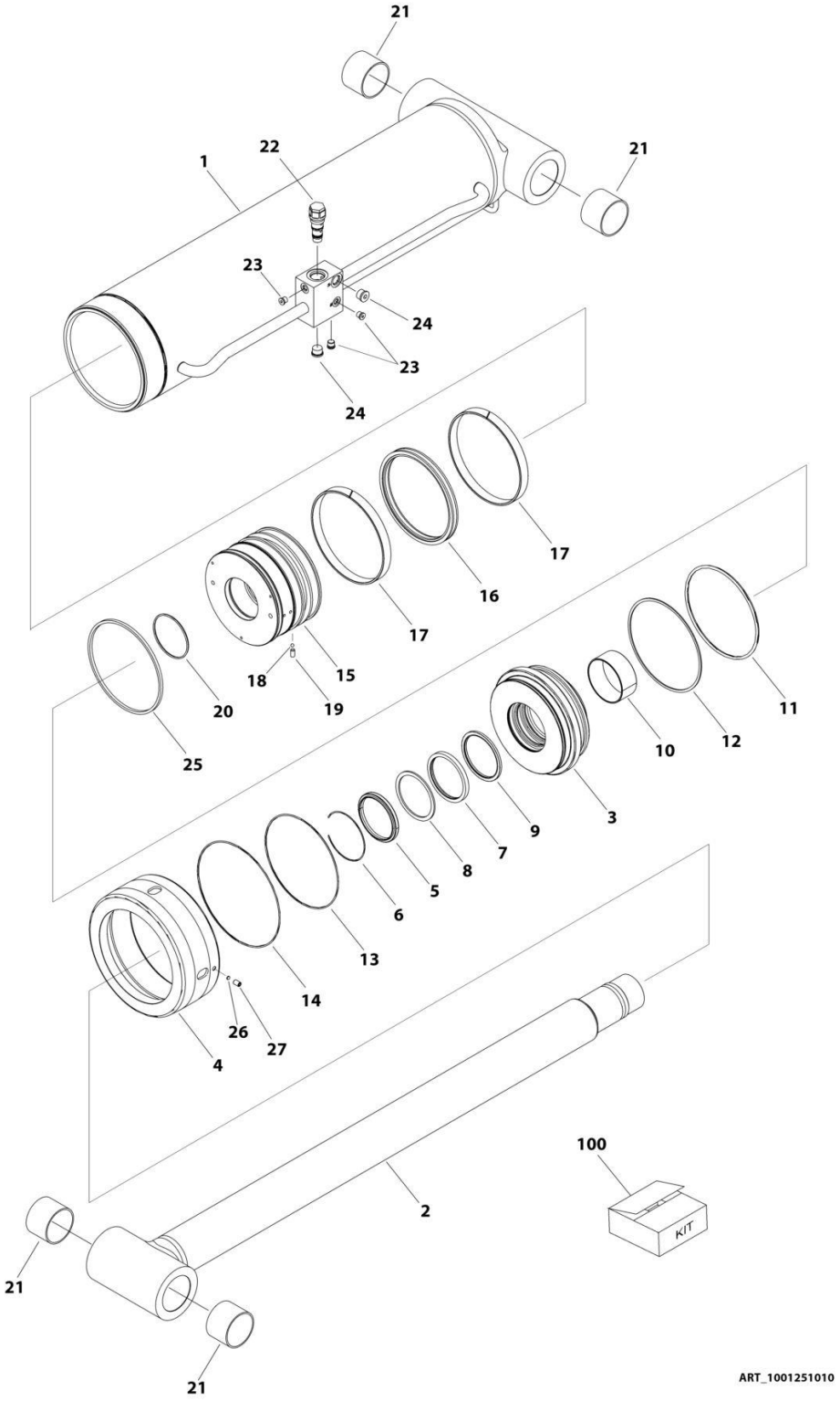


FIGURE 6-5. LIFT CYLINDER ASSEMBLY - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251010	Ref	LIFT CYLINDER ASSEMBLY	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	70007421	1	Rod	
3	70007422	1	Head	
4	70007278	1	Cap	
5	See Note	NSS	Wiper (Note: Use Item 100)	
6	70023380	1	Ring, Retaining	
7	See Note	NSS	Seal (Note: Use Item 100)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
9	See Note	NSS	Ring, Buffer (Note: Use Item 100)	
10	70007423	1	Ring, Wear	
11	See Note	NSS	O-Ring (Note: Use Item 100)	
12	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
13	See Note	NSS	O-Ring (Note: Use Item 100)	
14	See Note	NSS	O-Ring (Note: Use Item 100)	
15	70007424	1	Piston	
16	See Note	NSS	Seal (Note: Use Item 100)	
17	See Note	NSS	Ring, Wear (Note: Use Item 100)	
18	70022564	1	Steel Ball	
19	70007246	1	Screw, Set	
20	See Note	1	O-Ring (Note: Use Item 100)	
21	0962102	4	Bushing	
22	4640509	1	Cartridge, Valve	
22	2900792	1	Seal Kit - 4640509 Valve	
23	2220883	3	Plug, O-Ring	
24	2220886	2	Plug, O-Ring	
25	70007425	1	Ring, Piston	
26	70007282	1	Insert, Locking	
27	70026287	1	Screw, Set	
100	70007426	1	Seal Kit (Includes Items 5, 7-9, 11-14, 16, 17 & 20)	

FIGURE 6-6. LIFT CYLINDER ASSEMBLY - TOWER BOOM

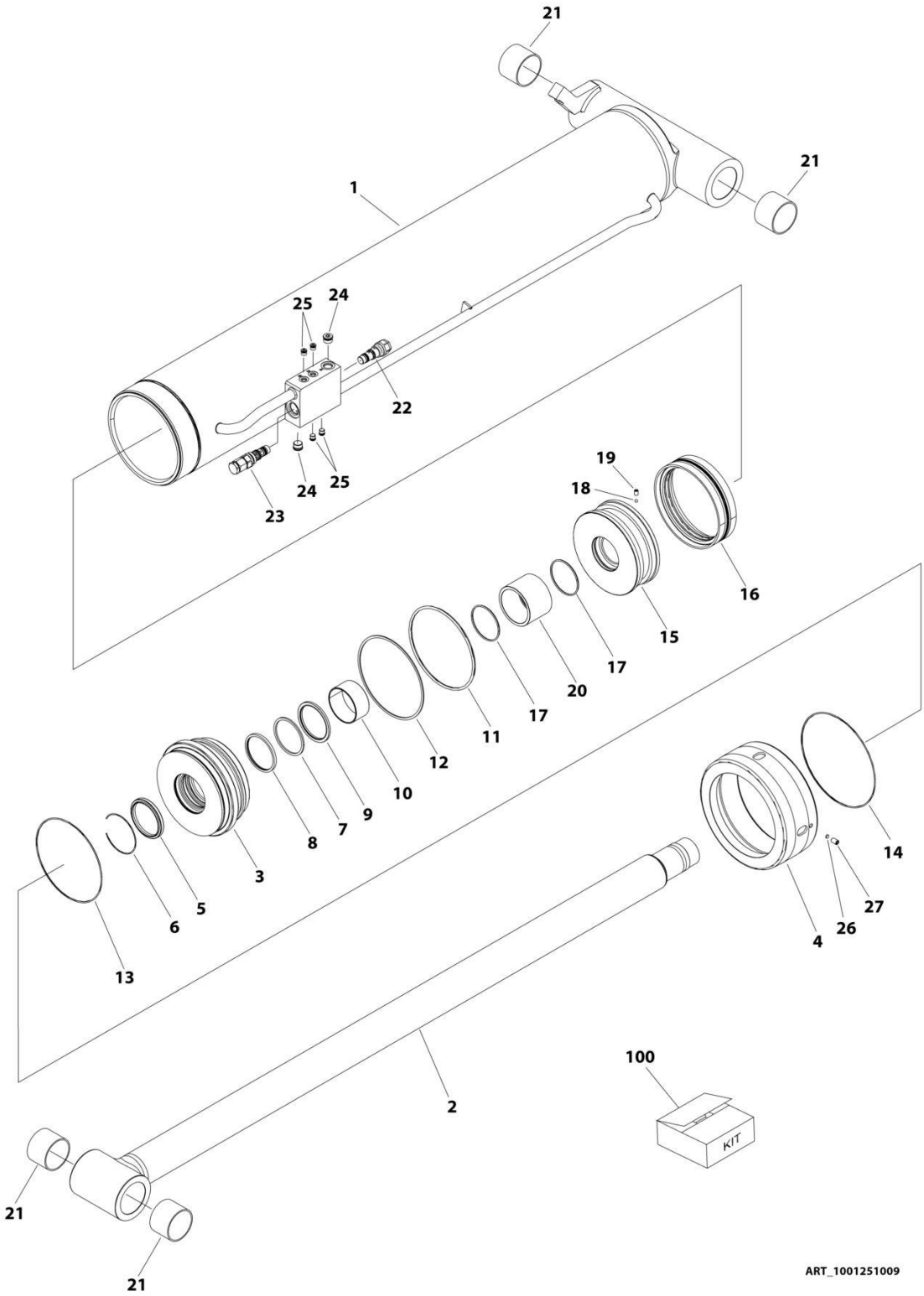


FIGURE 6-6. LIFT CYLINDER ASSEMBLY - TOWER BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251009	Ref	LIFT CYLINDER ASSEMBLY	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	70007419	1	Rod	
3	70007277	1	Head	
4	70007278	1	Cap	
5	See Note	NSS	Wiper (Note: Use Item 100)	
6	70027750	1	Ring, Retaining	
7	See Note	NSS	Seal (Note: Use Item 100)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
9	See Note	NSS	Ring, Buffer (Note: Use Item 100)	
10	70007279	1	Ring, Wear	
11	See Note	NSS	O-Ring (Note: Use Item 100)	
12	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
13	See Note	NSS	O-Ring (Note: Use Item 100)	
14	See Note	NSS	O-Ring (Note: Use Item 100)	
15	70007280	1	Piston	
16	See Note	NSS	Seal (Note: Use Item 100)	
17	See Note	NSS	O-Ring (Note: Use Item 100)	
18	70022564	1	Steel Ball	
19	70029468	1	Screw, Set	
20	70007420	1	Spacer	
21	0962102	4	Bushing	
22	4640509	1	Cartridge, Valve	
22	2900792	1	Seal Kit - 4640509 Valve	
23	4640605	1	Cartridge, Valve	
23	2900792	1	Seal Kit - 4640605 Valve	
24	2220886	1	Plug, O-Ring	
25	2220883	4	Plug, O-Ring	
26	70007282	1	Insert, Locking	
27	70026287	1	Screw, Set	
100	70007283	1	Seal Kit (Includes Items 5, 7-9, 11-14, 16 & 17)	

FIGURE 6-7. MASTER CYLINDER ASSEMBLY

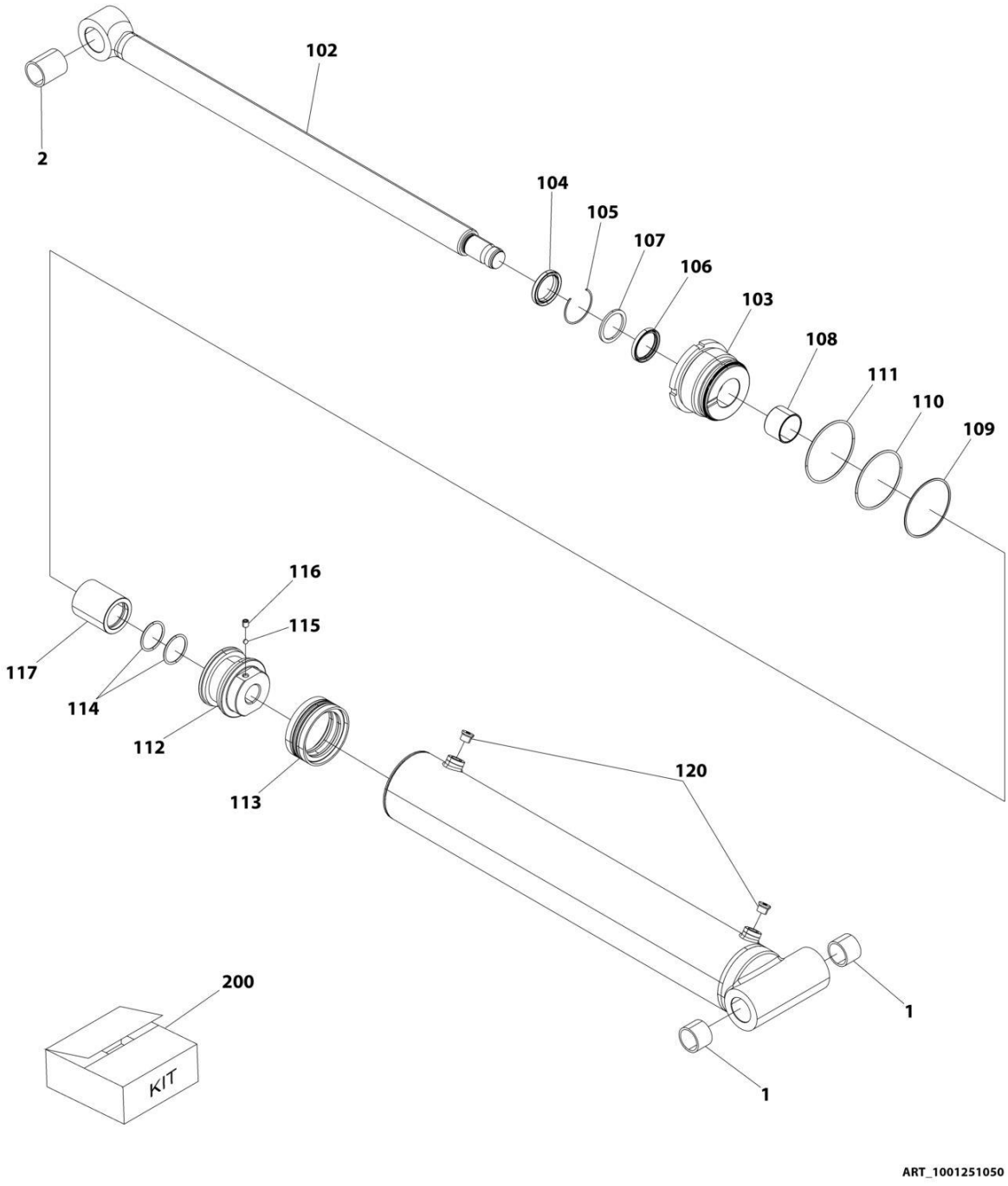


FIGURE 6-7. MASTER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251050	Ref	MASTER CYLINDER ASSEMBLY	B
		Ref	Note: Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped Cylinder Before Ordering Parts.	
1	0961951	2	Bushing	
2	0962155	1	Bushing	
102	70007992	1	Rod	
103	70007967	1	Head	
104	See Note	NSS	Wiper (Note: Use Item 200)	
105	70002373	1	Ring, Retaining	
106	See Note	NSS	Seal (Note: Use Item 200)	
107	See Note	NSS	Ring (Note: Use Item 200)	
108	70005143	1	Bearing	
109	See Note	NSS	O-Ring (Note: Use Item 200)	
110	See Note	NSS	Ring (Note: Use Item 200)	
111	See Note	NSS	O-Ring (Note: Use Item 200)	
112	70005144	1	Piston	
113	See Note	NSS	Seal (Note: Use Item 200)	
114	See Note	NSS	O-Ring (Note: Use Item 200)	
115	70022564	1	Ball, Steel	
116	70006596	1	Setscrew M8 x 1-1/4	
117	70007968	1	Spacer	
120	2220885	2	Plug	
200	70007969	1	Seal Kit (Includes 104, 106, 107, 109-111, 113 & 114)	

FIGURE 6-8. STEER CYLINDER ASSEMBLY

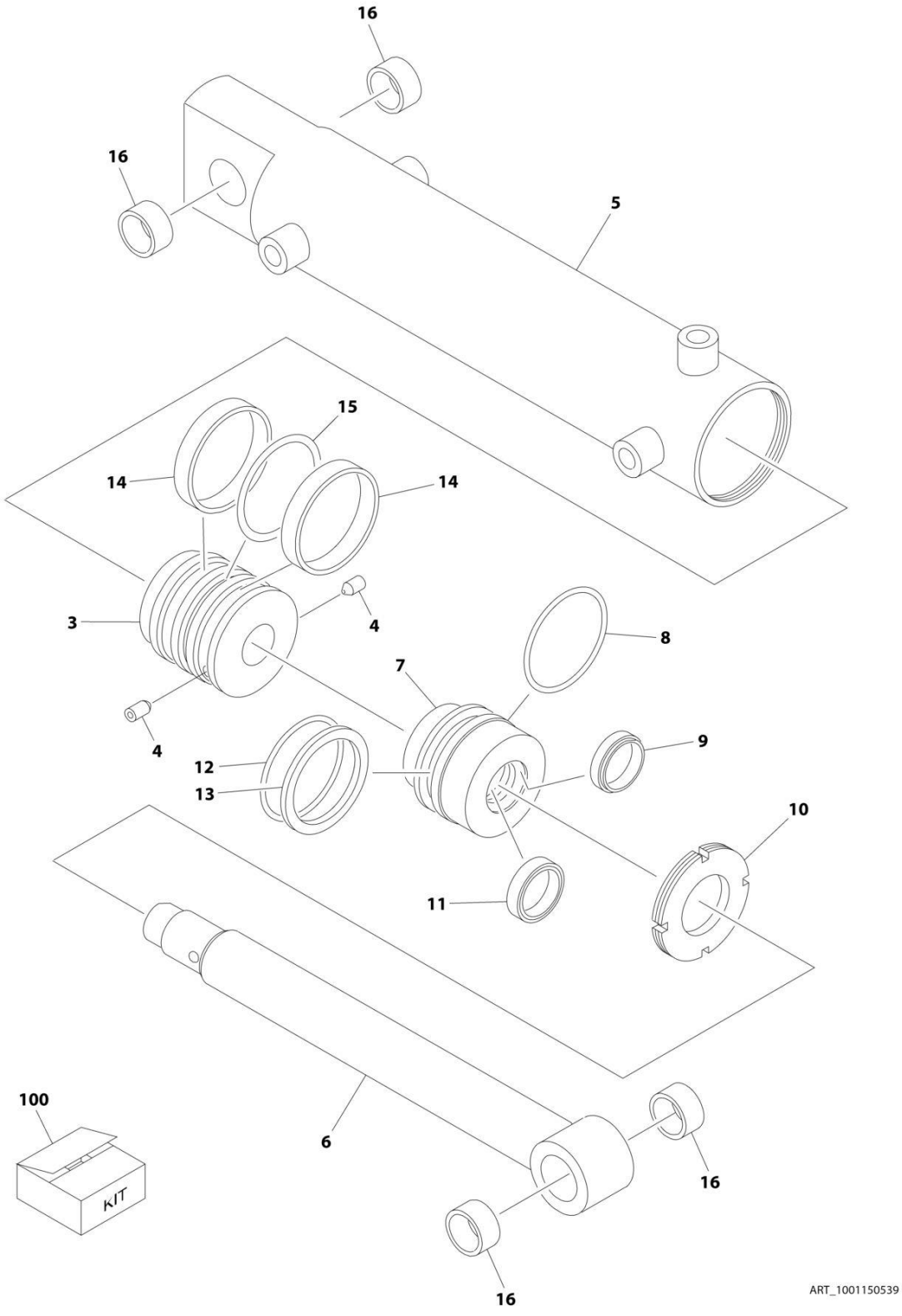


FIGURE 6-8. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150539	Ref	STEER CYLINDER ASSEMBLY	F
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
3	70002744	1	Piston	
4	70002745	2	Setscrew M6 x 10	
5	70004381	1	Barrel	
6	70004382	1	Rod	
7	70002748	1	Head	
8	See Note	NSS	Ring (Note: Use Item 100)	
9	See Note	NSS	Wiper (Note: Use Item 100)	
10	70002749	1	Nut, Spanner	
11	See Note	NSS	Seal (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	See Note	NSS	Ring, Wear (Note: Use Item 100)	
15	See Note	NSS	Seal (Note: Use Item 100)	
16	0962152	4	Bushings	
100	70002751	1	Seal Kit (Includes Items 8, 9 & 11-15)	

SECTION 6 - CYLINDER

FIGURE 6-9. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM (WITHOUT ARCTIC PACKAGE)

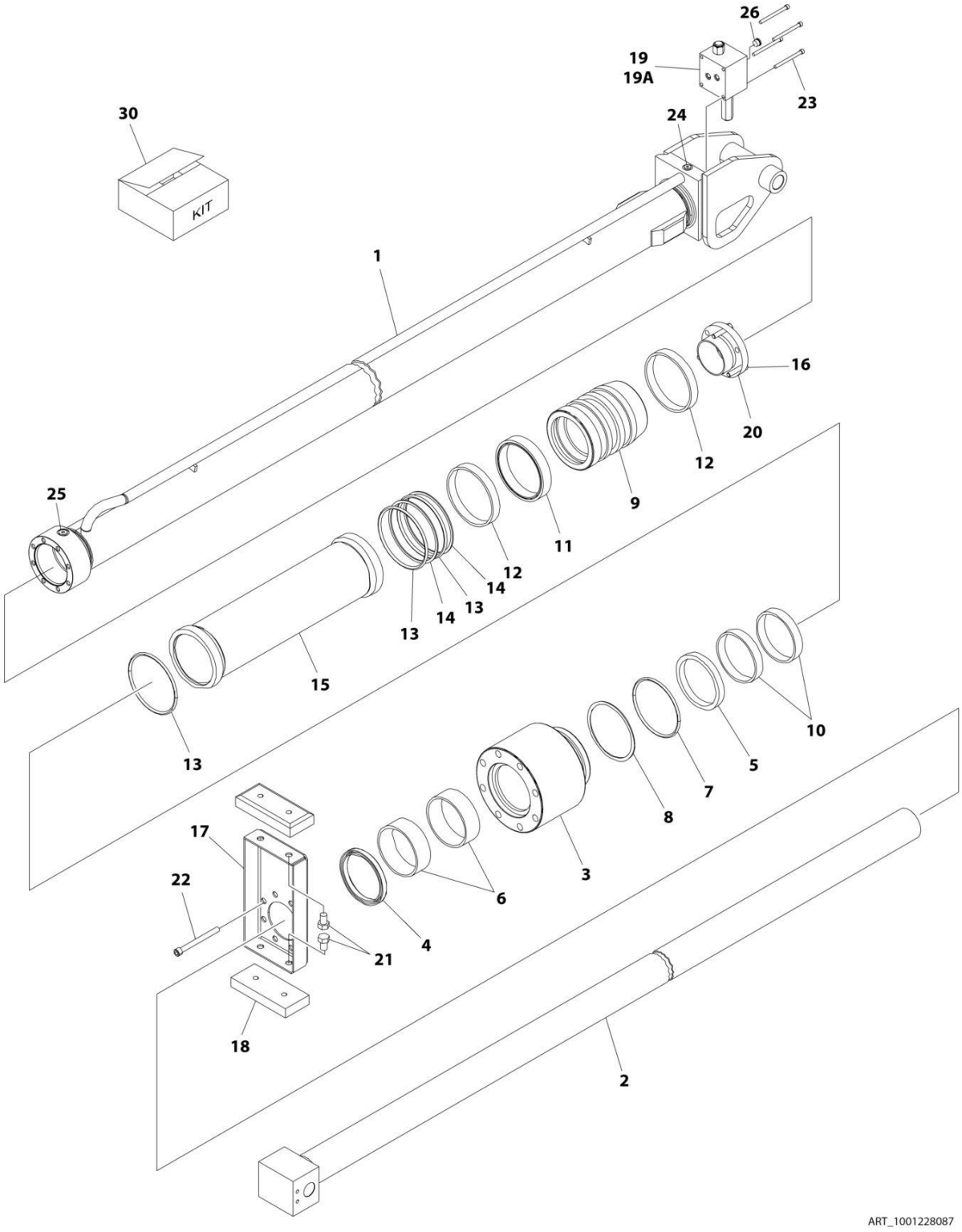


FIGURE 6-9. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228087	Ref	TELESCOPE CYLINDER ASSEMBLY	F
		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	70006669	1	Rod	
3	70006670	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 30)	
5	See Note	NSS	Seal, Rod (Note: Use Item 30)	
6	See Note	NSS	Ring, Wear (Note: Use Item 30)	
7	See Note	NSS	O-Ring (Note: Use Item 30)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 30)	
9	70006671	1	Piston	
10	See Note	NSS	Ring, Wear (Note: Use Item 30)	
11	See Note	NSS	Seal, Piston (Note: Use Item 30)	
12	See Note	NSS	Ring, Wear (Note: Use Item 30)	
13	See Note	NSS	O-Ring (Note: Use Item 30)	
14	See Note	NSS	Ring, Back-up (Note: Use Item 30)	
15	70006672	1	Spacer	
16	0961897	1	Bushing, Tapered	
17	3570775	1	Plate	
18	3340838	2	Pad, Wear	
19	4641033	1	Valve Assembly (No serviceable parts - sold as assembly only)	
19A	7024508	2	O-Ring (Between Valve and Cylinder Barrel)	
20	0630535	3	Bolt 1/4 x 1-1/8	
21	0641806	4	Bolt 1/2 x 3/4	
22	3931664	8	Capscrew 3/8 x 4	
23	3931448	4	Capscrew 1/4 x 3	
24	2220883	1	Plug, O-Ring	
25	2220885	AR	Plug, O-Ring	
26	2220886	1	Plug, O-Ring	
30	1001149391	1	Seal Kit (Includes Items 4-8 & 10-14)	

SECTION 6 - CYLINDER

FIGURE 6-10. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM (WITH ARCTIC PACKAGE)

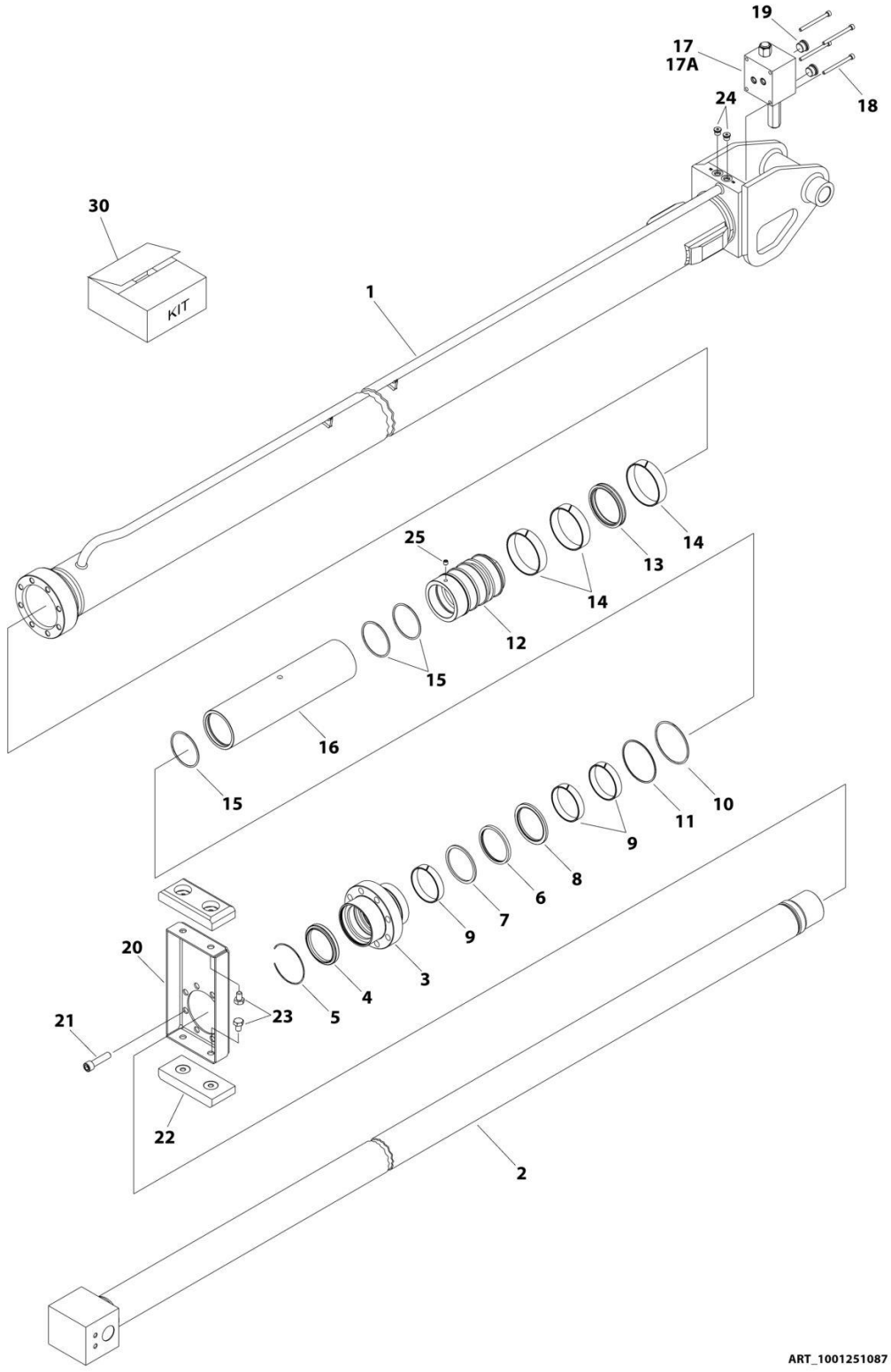


FIGURE 6-10. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251087	Ref	TELESCOPE CYLINDER ASSEMBLY	A
		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	70007514	1	Rod	
3	70007515	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 30)	
5	70027259	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 30)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 30)	
8	See Note	NSS	Ring, Buffer (Note: Use Item 30)	
9	See Note	NSS	Ring, Wear (Note: Use Item 30)	
10	See Note	NSS	O-Ring (Note: Use Item 30)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 30)	
12	70007516	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 30)	
14	See Note	NSS	Ring, Wear (Note: Use Item 30)	
15	See Note	NSS	O-Ring (Note: Use Item 30)	
16	70007517	1	Spacer	
17	4641033	1	Valve Assembly (No serviceable parts - sold as assembly only)	
17A	7024508	2	O-Ring (Between Valve and Cylinder Barrel)	
18	70006802	4	Capscrew M6	
19	2220886	2	Plug, O-Ring	
20	70007518	1	Plate	
21	70007519	8	Capscrew M12	
22	70007520	2	Pad, Wear	
23	70007521	4	Bolt M10	
24	2220883	2	Plug, O-Ring	
25	70006799	1	Screw, Set	
30	70007522	1	Seal Kit (Includes Items 4, 6, 7, 9-11 & 13-15)	

FIGURE 6-11. TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM

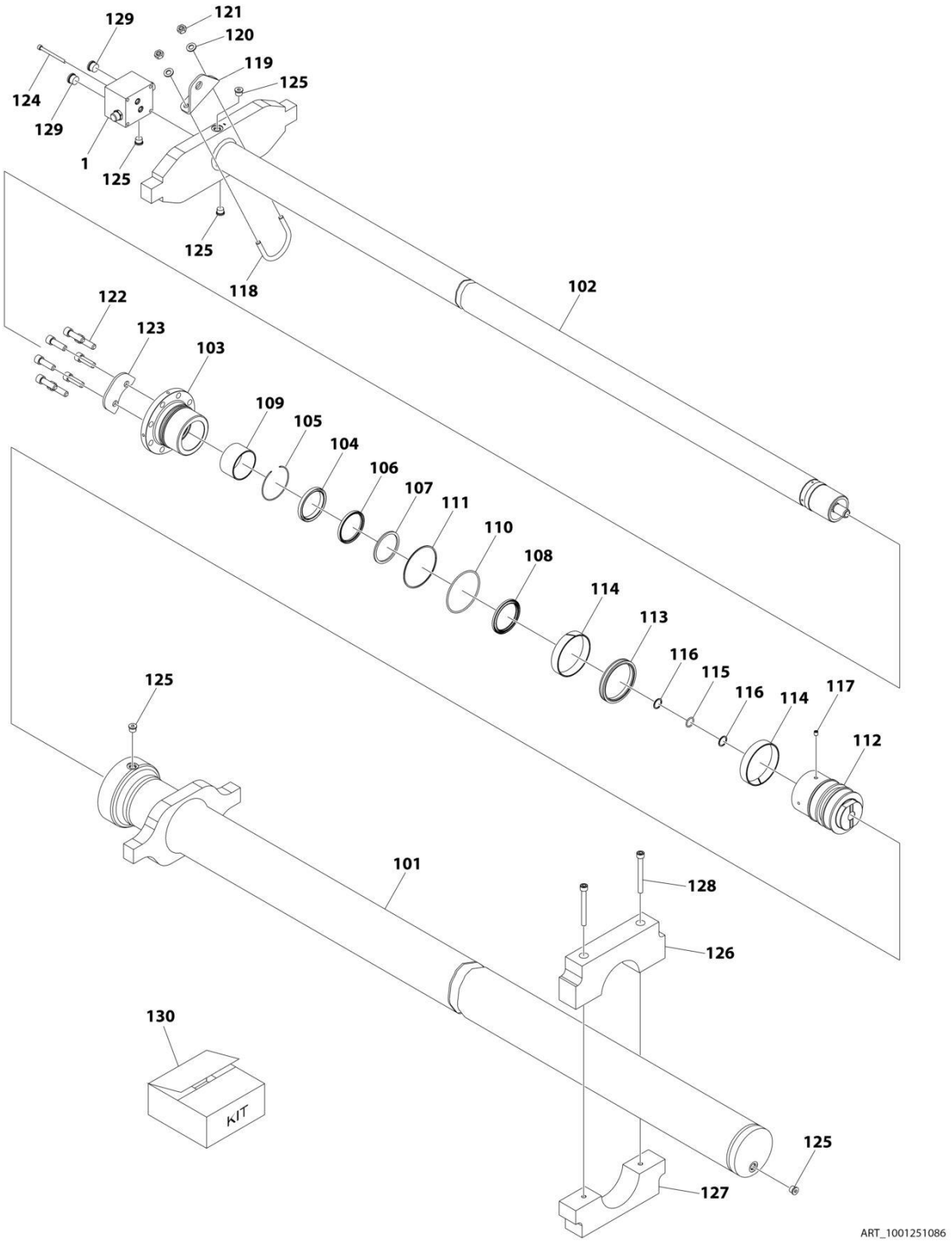


FIGURE 6-11. TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251086	Ref	TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	4641032	1	Valve Assembly (No serviceable parts - sold as assembly only)	
1	7002388	1	Seal Kit	
101	See Note	NSS	Tube (Note: Not Available for Purchase)	
102	70008199	1	Rod	
103	70008200	1	Head	
104	See Note	NSS	Wiper, Dust (Note: Use Item 130)	
105	70050795	1	Ring, Retaining	
106	See Note	NSS	Seal, Rod (Note: Use Item 130)	
107	See Note	NSS	Ring, Backup (Note: Use Item 130)	
108	See Note	NSS	Ring, Buffer (Note: Use Item 130)	
109	70008201	1	Bushing	
110	See Note	NSS	O-Ring (Note: Use Item 130)	
111	See Note	NSS	Ring, Backup (Note: Use Item 130)	
112	70008202	1	Piston	
113	See Note	NSS	Seal, Piston (Note: Use Item 130)	
114	See Note	NSS	Ring, Wear (Note: Use Item 130)	
115	See Note	NSS	O-Ring (Note: Use Item 130)	
116	See Note	1	Ring, Backup (Note: Use Item 130)	
117	70005839	1	Setscrew	
118	70008203	1	U-Bolt M10 x 1.5	
119	70008204	1	Plate	
120	70006344	2	Washer M10	
121	70005594	2	Nut M12	
122	70008205	8	Bolt M12 x 40	
123	70008206	1	Plate	
124	70007981	4	Bolt M6 x 75	
125	2220885	5	Plug 9/16	
126	70008207	1	Pad	
127	70008208	1	Pad	
128	70008209	2	Bolt M10 x 95	
129	2220886	1	Plug 3/4	
130	70008210	1	Seal Kit (Includes Items 104, 106-108, 110-111 & 113-116)	

SECTION 7 - HYDRAULIC

FIGURE 7-1. HYDRAULIC DIAGRAM - AXLE (OSCILLATING)

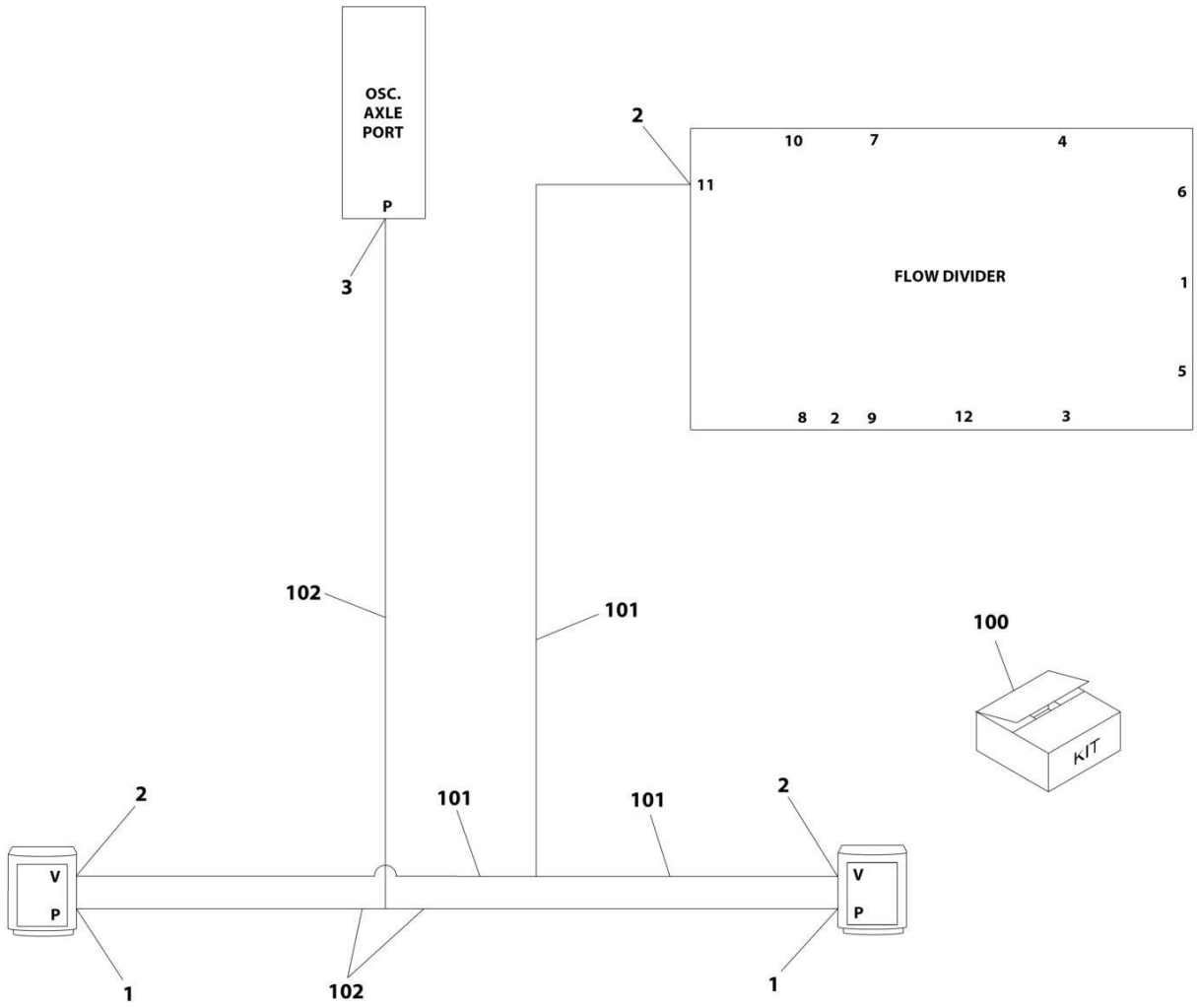
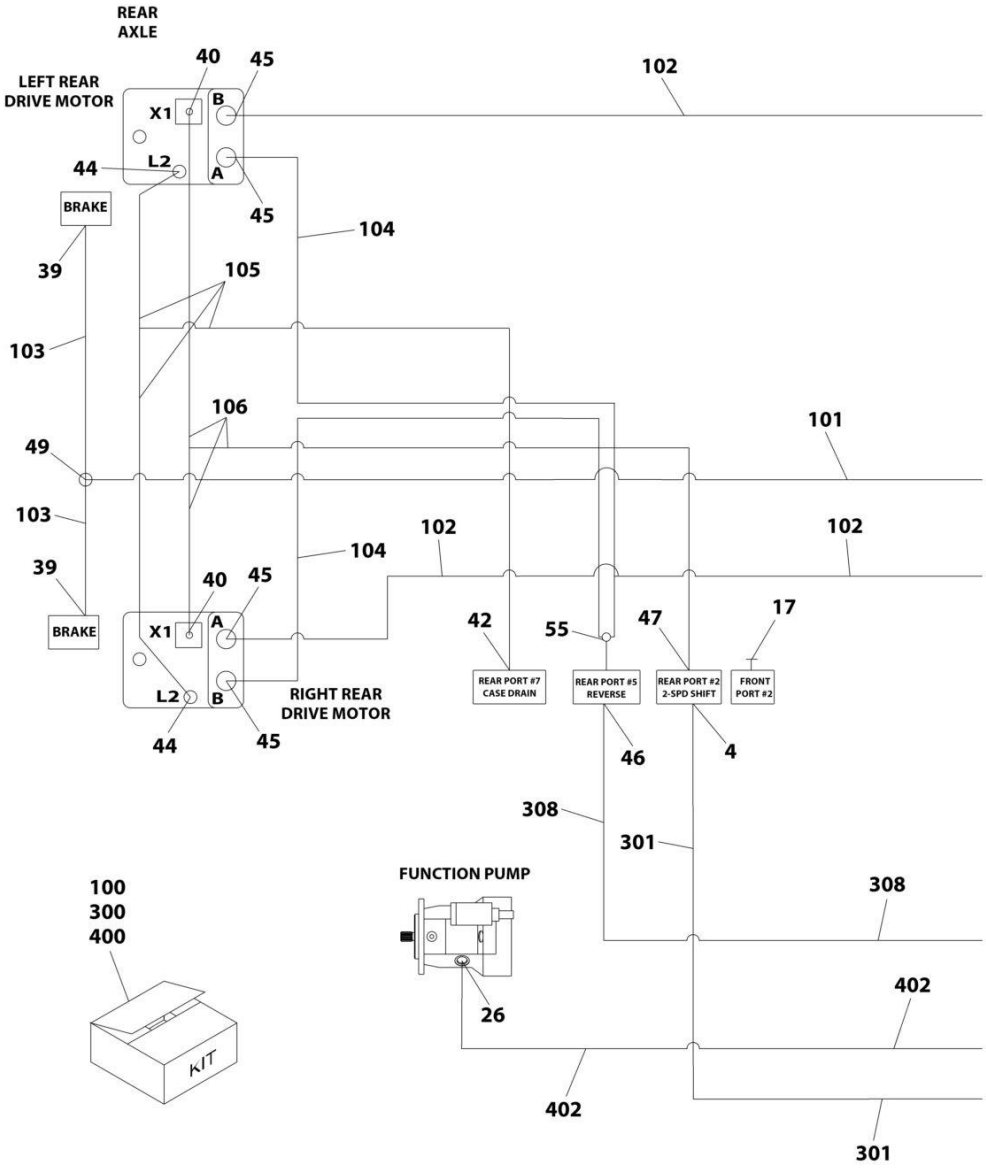


FIGURE 7-1. HYDRAULIC DIAGRAM - AXLE (OSCILLATING)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157400	Ref	AXLE LOCKOUT HYDRAULIC DIAGRAM	G
1	2110404	2	Fitting, Straight ORFS/ORB	
2	2110606	3	Fitting, Straight ORFS/ORB	
3	2110408	1	Fitting, Straight ORFS/ORB	
100	1001270068	1	Hose Lockout Kit	
101	1001198336	1	Hose with Crimped Tee	
102	1001198339	1	Hose with Crimped Tee	

FIGURE 7-2. HYDRAULIC DIAGRAM - DRIVE (2WD/2WS WITHOUT TOW PACKAGE)



ART_1001178203_1OF2

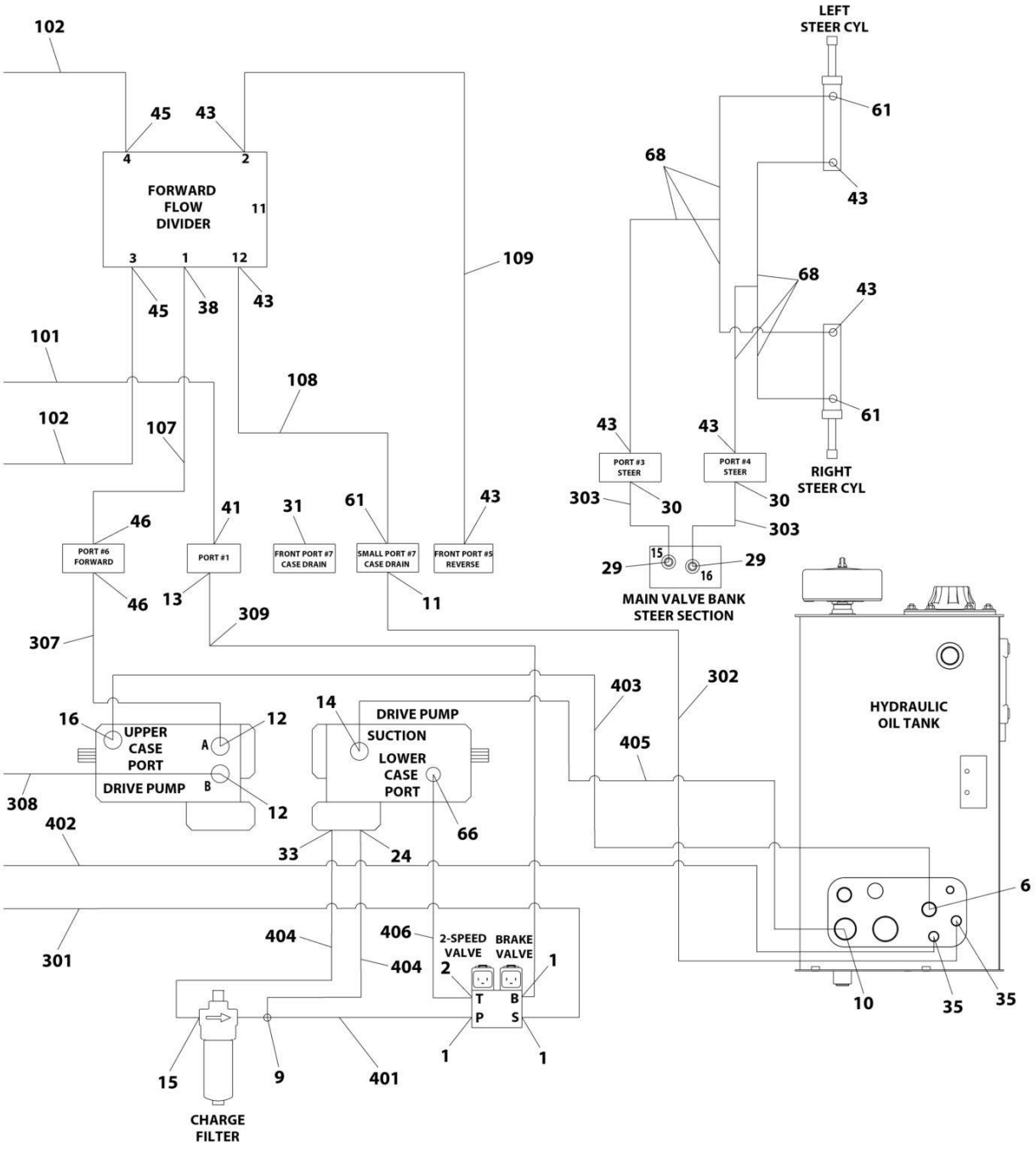
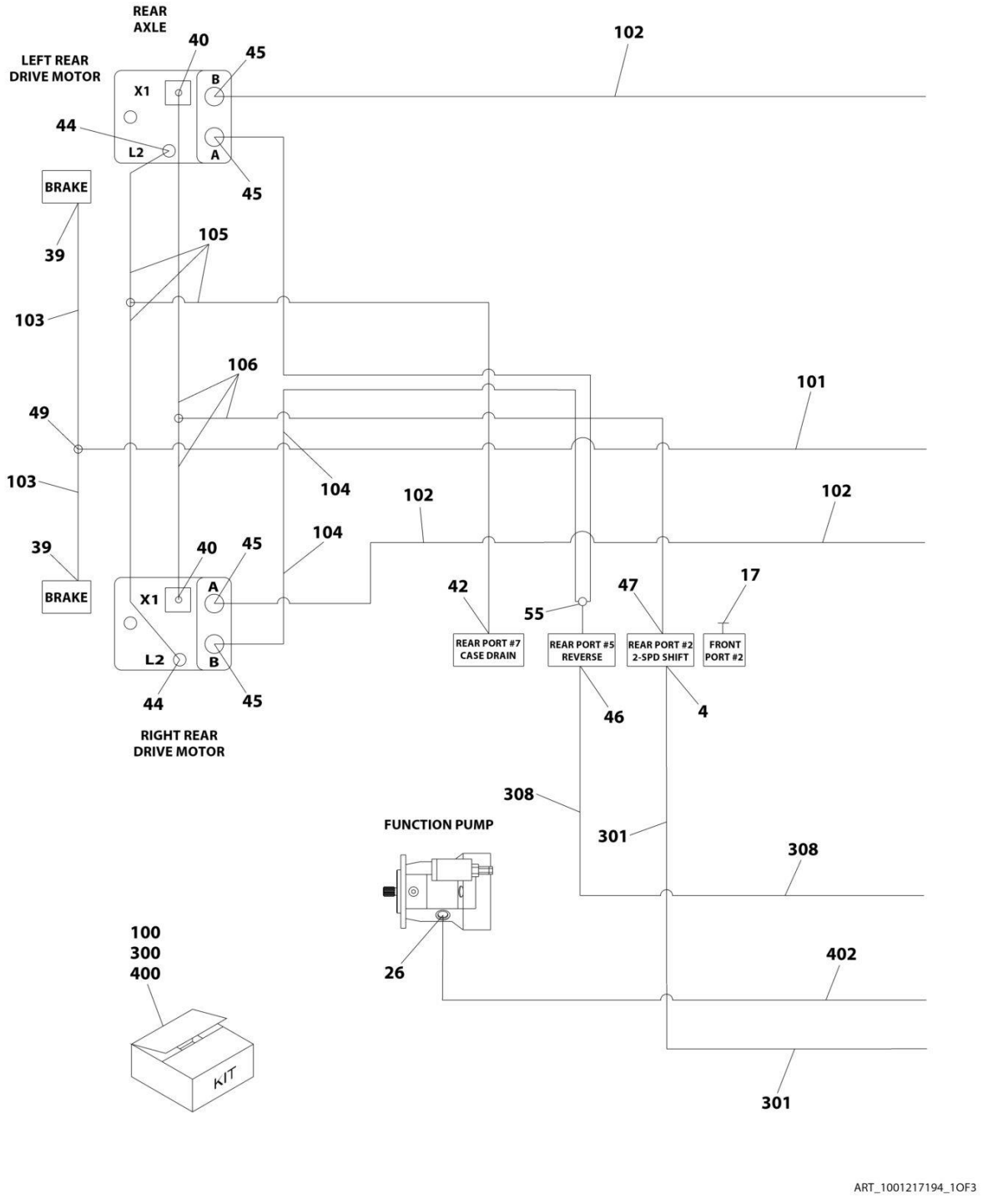

LEFT STEER CYL
RIGHT STEER CYL
FORWARD FLOW DIVIDER
PORT #6 FORWARD
PORT #1
FRONT PORT #7 CASE DRAIN
SMALL PORT #7 CASE DRAIN
FRONT PORT #5 REVERSE
PORT #3 STEER
PORT #4 STEER
MAIN VALVE BANK STEER SECTION
HYDRAULIC OIL TANK
DRIVE PUMP SUCTION
UPPER CASE PORT
LOWER CASE PORT
DRIVE PUMP
2-SPEED VALVE
BRAKE VALVE
CHARGE FILTER
ART_1001178203_2OF2

FIGURE 7-2. HYDRAULIC DIAGRAM - DRIVE (2WD/2WS WITHOUT TOW PACKAGE)

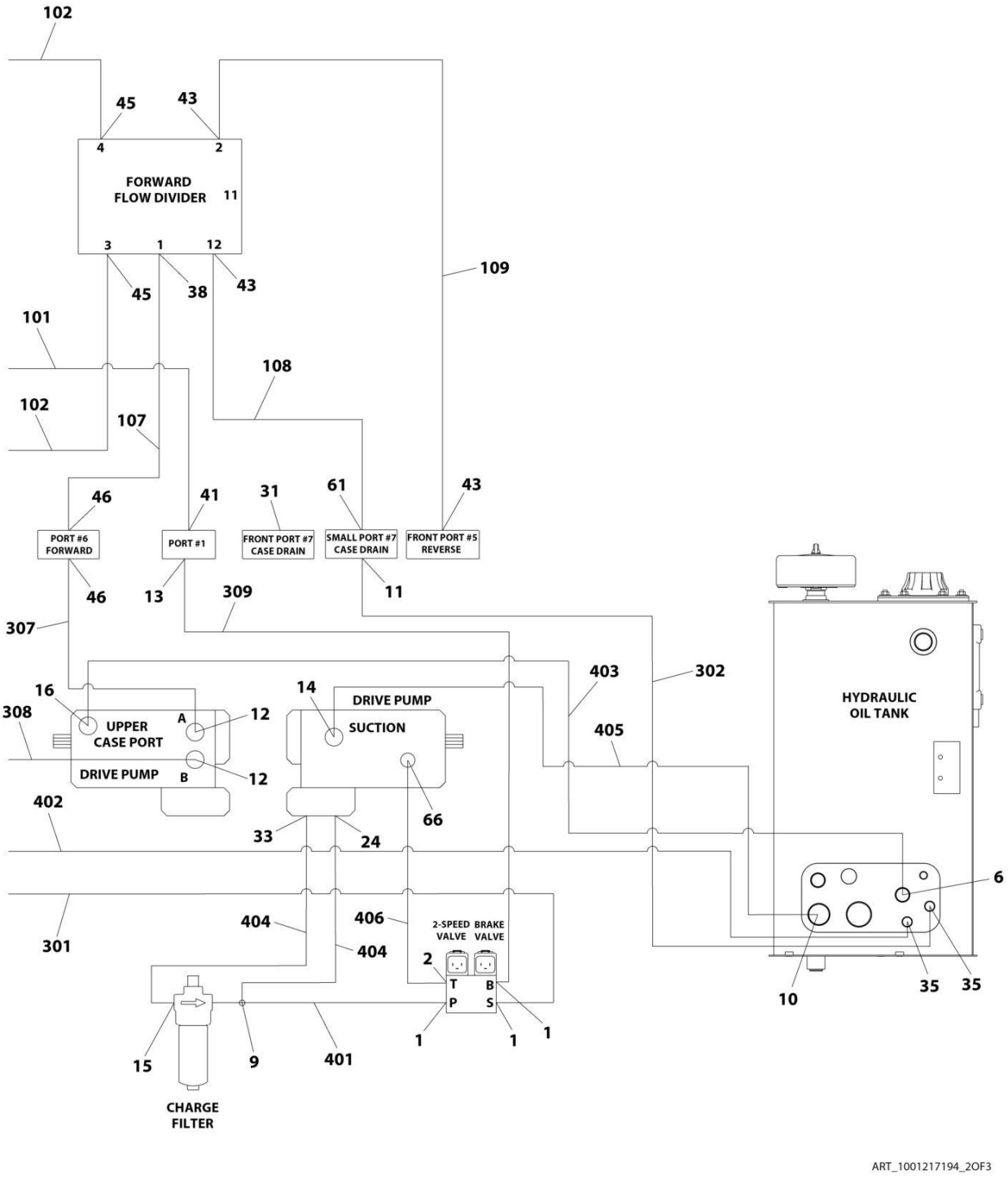
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178203	Ref	DRIVE HYDRAULIC DIAGRAM - 2WD	K
1	2220466	3	Fitting, 90 ORB/FL	
2	2220940	1	Fitting, 90 ORB/FL	
4	2220582	1	Fitting, Straight ORB/FL	
6	2220451	1	Fitting, Straight JIC/ORB	
9	1001199394	1	Fitting, Tee JIC/ORB/JIC	
10	2220380	1	Fitting, Straight ORB/FL	
11	2220375	1	Fitting, Straight ORB/FL	
12	2131616	2	Fitting, 90 ORFS/ORB	
13	2220468	1	Fitting, Straight ORB/FL	
14	8770050	1	Fitting, 90 JIC/ORB	
15	2220596	1	Fitting, 90 ORB/FL	
16	2220578	1	Fitting, 90 JIC/ORB	
17	2220237	1	Plug	
24	2220374	1	Fitting, Straight JIC/ORB	
26	2220671	1	Fitting, 90 JIC/ORB	
29	2220371	2	Fitting, Straight JIC/ORB	
30	2220473	2	Fitting, 90 ORB/FL	
31	2220238	1	Plug	
33	2220800	1	Fitting, Straight ORB/FL	
35	2220373	2	Fitting, Straight JIC/ORB	
38	2151616	1	Fitting, 45 ORFS/ORB	
39	2110404	2	Fitting, Straight ORFS/ORB	
40	2110406	2	Fitting, Straight ORFS/ORB	
41	2110408	1	Fitting, Straight ORFS/ORB	
42	2130808	1	Fitting, 90 ORFS/ORB	
43	2110606	7	Fitting, Straight ORFS/ORB	
44	2110808	2	Fitting, Straight ORFS/ORB	
45	2111212	6	Fitting, Straight ORFS/ORB	
46	2111616	3	Fitting, Straight ORFS/ORB	
47	2150406	1	Fitting, 45 ORFS/ORB	
49	2170504	1	Fitting, Tee ORFS	
55	1001199395	1	Fitting, Tee ORFS/ORB	
61	2130606	3	Fitting, 90 ORFS/ORB	
66	1001215296	1	Fitting, 90 JIC/SORB	
68	1001198333	2	Hose	
100	1001270084	1	Towbar Rear Hose Kit	
101	2753622	1	Hose	
102	2753688	2	Hose	
103	2754337	2	Hose	
104	1001159854	2	Hose	
105	1001198334	1	Hose	
106	1001198340	1	Hose	
107	2753635	1	Hose	
108	2754242	1	Hose	
109	2754243	1	Hose	
300	1001270091	1	Arctic Towbar Hose Kit	
301	2751399	1	Hose	
302	2751500	1	Hose	
303	2752489	2	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
307	1001156332	1	Hose	
308	1001156333	1	Hose	
309	2752997	1	Hose	
400	1001270090	1	Arctic Towbar Hose Kit	
401	2752434	1	Hose	
402	2752938	1	Hose	
403	1001188135	1	Hose	
404	2752495	1	Hose	
405	2752754	1	Hose	
406	1001151354	1	Hose	

FIGURE 7-3. HYDRAULIC DIAGRAM - DRIVE (2WD/2WS WITH TOW PACKAGE)



ART_1001217194_1OF3



ART_1001217194_2OF3

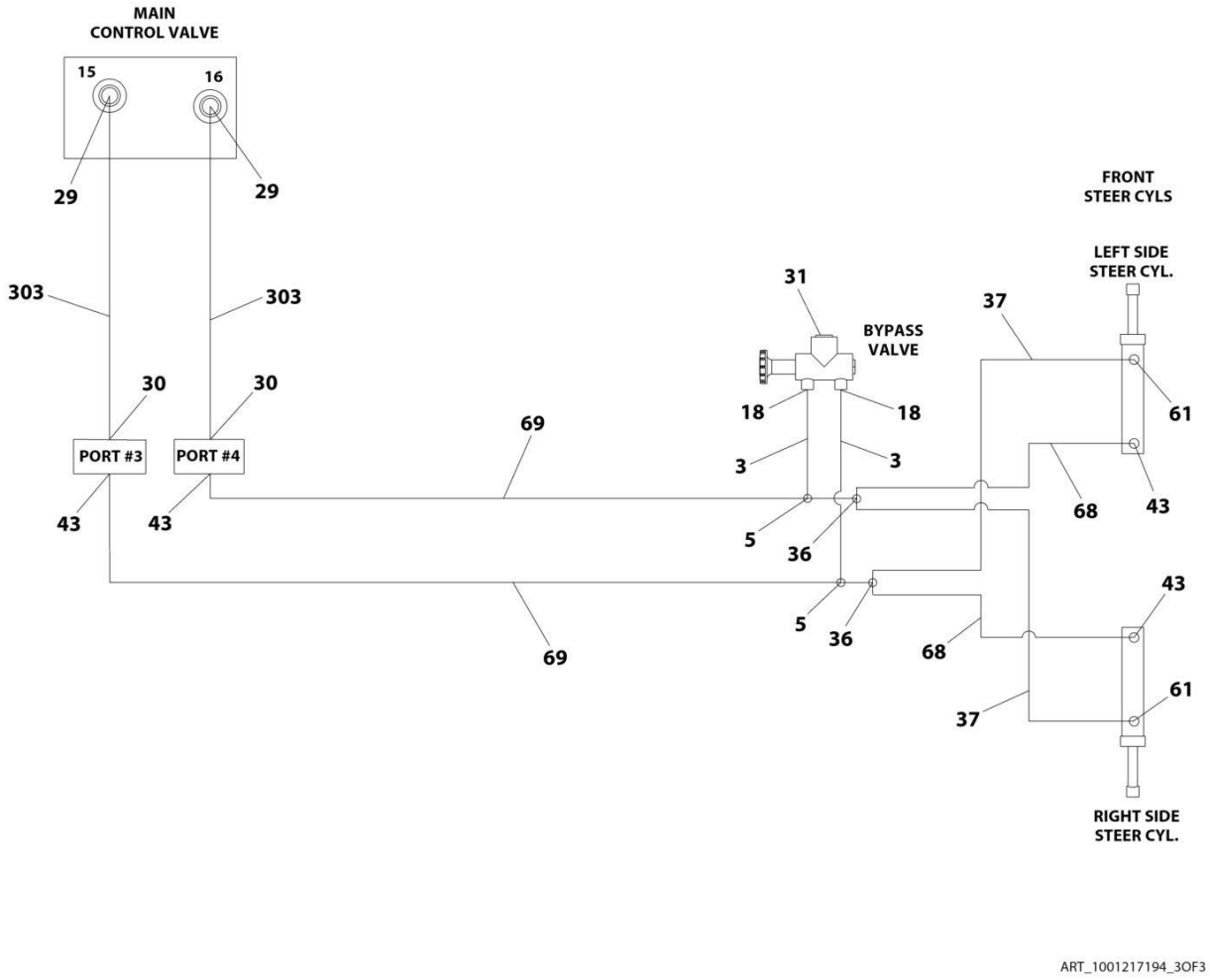

MAIN
CONTROL VALVE
15
16
29
29
303
303
30
30
PORT #3
PORT #4
43
43
69
69
31
BYPASS
VALVE
18
18
3
3
5
36
5
36
FRONT
STEER CYLS
LEFT SIDE
STEER CYL.
37
61
68
43
43
68
37
61
RIGHT SIDE
STEER CYL.
ART_1001217194_3OF3

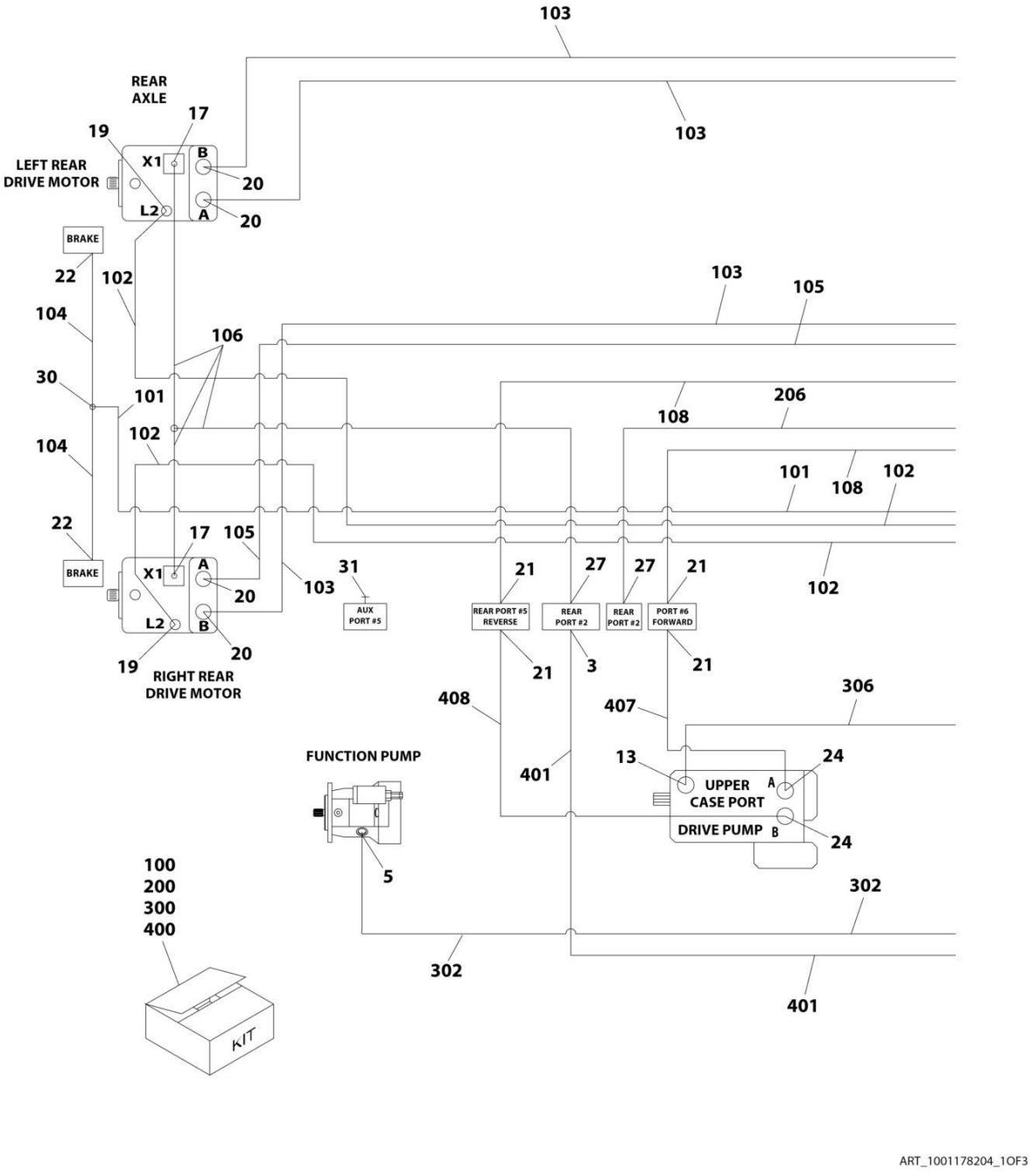
FIGURE 7-3. HYDRAULIC DIAGRAM - DRIVE (2WD/2WS WITH TOW PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217194	Ref	DRIVE HYDRAULIC DIAGRAM - 2WD/2WS	E
1	2220466	3	Fitting, 90 ORB/FL	
2	2220940	1	Fitting, 90 ORB/FL	
3	2753879	2	Hose	
4	2220582	1	Fitting, Straight ORB/FL	
5	2170706	2	Fitting, Tee - ORFS/ORFS/ORFS	
6	2220451	1	Fitting, Straight JIC/ORB	
9	1001199394	1	Fitting, Tee JIC/ORB/JIC	
10	2220380	1	Fitting, Straight ORB/FL	
11	2220375	1	Fitting, Straight ORB/FL	
12	2131616	2	Fitting, 90 ORFS/ORB	
13	2220468	1	Fitting, Straight ORB/FL	
14	8770050	1	Fitting, 90 JIC/ORB	
15	2220596	1	Fitting, 90 ORB/FL	
16	2220578	1	Fitting, 90 JIC/ORB	
17	2220237	1	Plug	
18	2110608	2	Fitting, Straight ORFS/ORB	
24	2220374	1	Fitting, Straight JIC/ORB	
26	2220671	1	Fitting, 90 JIC/ORB	
29	2220371	2	Fitting, Straight JIC/ORB	
30	2220473	2	Fitting, 90 ORB/FL	
31	2220238	2	Plug	
33	2220800	1	Fitting, Straight ORB/FL	
35	2220373	2	Fitting, Straight JIC/ORB	
36	2170506	2	Fitting, Tee ORFS/ORFS/ORFS	
37	2753656	2	Hose	
38	2151616	1	Fitting, 45 ORFS/ORB	
39	2110404	2	Fitting, Straight ORFS/ORB	
40	2110406	2	Fitting, Straight ORFS/ORB	
41	2110408	1	Fitting, Straight ORFS/ORB	
42	2130808	1	Fitting, 90 ORFS/ORB	
43	2110606	7	Fitting, Straight ORFS/ORB	
44	2110808	2	Fitting, Straight ORFS/ORB	
45	2111212	6	Fitting, Straight ORFS/ORB	
46	2111616	3	Fitting, Straight ORFS/ORB	
47	2150406	1	Fitting, 45 ORFS/ORB	
49	2170504	1	Fitting, Tee ORFS	
55	1001199395	1	Fitting, Tee ORFS/ORB	
61	2130606	3	Fitting, 90 ORFS/ORB	
66	1001215296	1	Fitting, 90 JIC/SORB	
68	1001159340	2	Hose	
69	2753732	2	Hose	
100	1001270084	1	Towbar Rear Hose Kit	
101	2753622	1	Hose	
102	2753688	2	Hose	
103	2754337	2	Hose	
104	1001159854	2	Hose	
105	1001198334	1	Hose	
106	1001198340	1	Hose	
107	2753635	1	Hose	

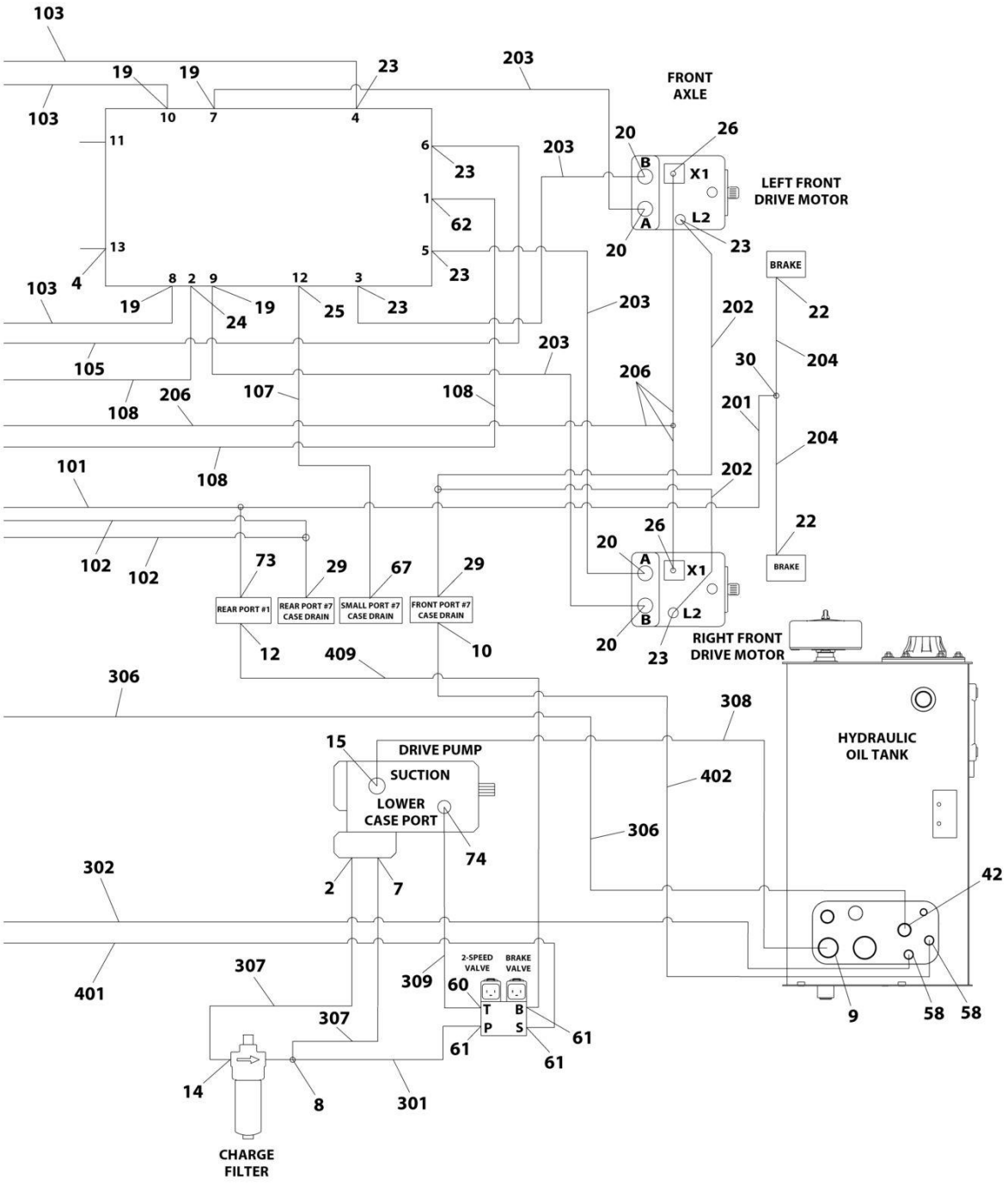
SECTION 7 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
108	2754242	1	Hose	
109	2754243	1	Hose	
300	1001270091	1	Arctic Towbar Hose Kit	
301	2751399	1	Hose	
302	2751500	1	Hose	
303	2752489	2	Hose	
307	1001156332	1	Hose	
308	1001156333	1	Hose	
309	2752997	1	Hose	
400	1001270090	1	Towbar Hose Kit	
401	2752434	1	Hose	
402	2752938	1	Hose	
403	1001188135	1	Hose	
404	2752495	1	Hose	
405	2752754	1	Hose	
406	1001151354	1	Hose	

FIGURE 7-4. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITHOUT TOW PACKAGE/WITHOUT ARCTIC PACKAGE)



ART_1001178204_1OF3


FRONT AXLE
LEFT FRONT DRIVE MOTOR
RIGHT FRONT DRIVE MOTOR
BRAKE
BRAKE
REAR PORT #1
REAR PORT #7 CASE DRAIN
SMALL PORT #7 CASE DRAIN
FRONT PORT #7 CASE DRAIN
DRIVE PUMP
SUCTION
LOWER CASE PORT
HYDRAULIC OIL TANK
2-SPEED VALVE
BRAKE VALVE
CHARGE FILTER
ART_1001178204_2OF3

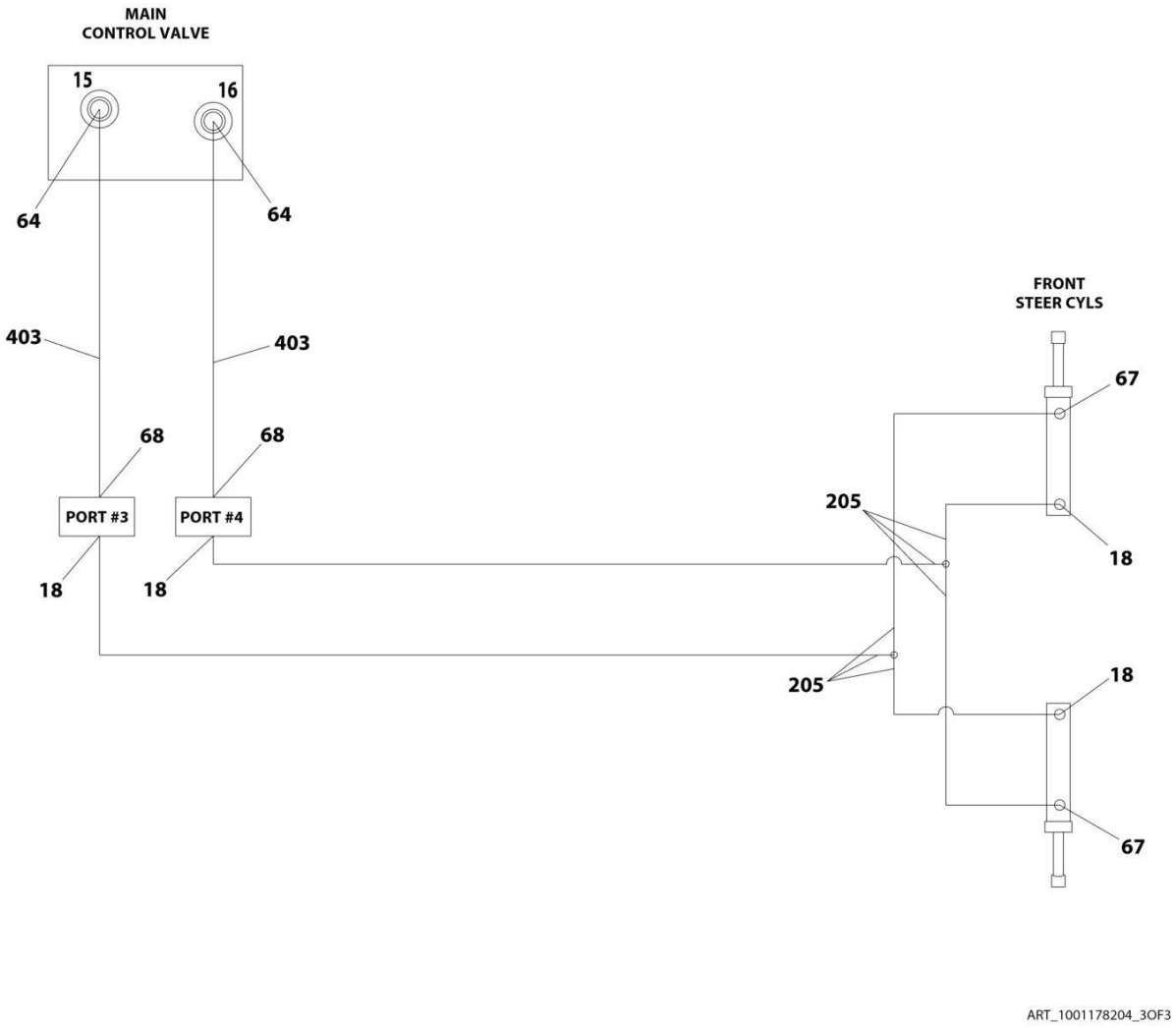

MAIN
CONTROL VALVE
15
16
64
64
403
403
68
68
PORT #3
PORT #4
18
18
FRONT
STEER CYLS
67
205
18
205
18
67
ART_1001178204_3OF3

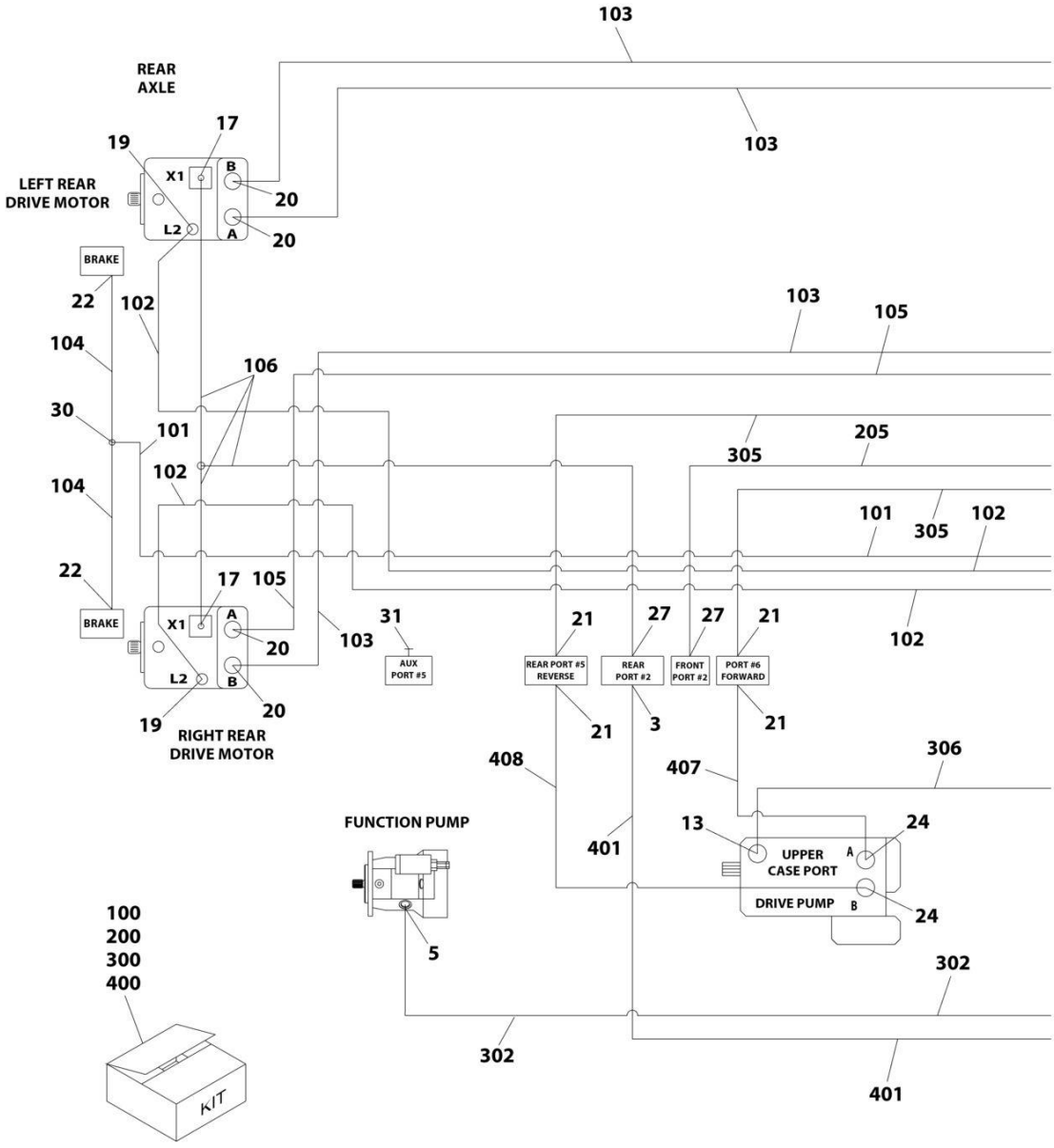
FIGURE 7-4. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITHOUT TOW PACKAGE/WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178204	Ref	DRIVE HYDRAULIC DIAGRAM - 4WD/2WS	J
2	2220800	1	Fitting, Straight ORB/FL	
3	2220582	1	Fitting, Straight ORB/FL	
4	2220238	1	Plug	
5	2220671	1	Fitting, 90 JIC/ORB	
7	2220374	1	Fitting, Straight JIC/ORB	
8	1001199394	1	Fitting, Tee JIC/ORB/JIC	
9	2220380	1	Fitting, Straight ORB/FL	
10	2220375	1	Fitting, Straight ORB/FL	
12	2220468	1	Fitting, Straight ORB/FL	
13	2220578	1	Fitting, 90 JIC/ORB	
14	2220596	1	Fitting, 90 JIC/FL	
15	8770050	1	Fitting, 90 JIC/ORB	
17	2110406	2	Fitting, Straight ORFS/ORB	
18	2110606	4	Fitting, Straight ORFS/ORB	
19	2110808	6	Fitting, Straight ORFS/ORB	
20	2110812	8	Fitting, Straight ORFS/ORB	
21	2111616	4	Fitting, Straight ORFS/ORB	
22	2110404	4	Fitting, Straight ORFS/ORB	
23	2130808	6	Fitting, 90 ORFS/ORB	
24	2131616	3	Fitting, 90 ORFS/ORB	
25	2130604	1	Fitting, 90 ORFS/ORB	
26	2130406	2	Fitting, 90 ORFS/ORB	
27	2150406	2	Fitting, 45 ORFS/ORB	
29	2170408	2	Fitting, Tee ORFS/ORFS/ORB	
30	2170504	2	Fitting, Tee ORFS	
31	2220237	1	Plug	
42	2220451	1	Fitting, Straight JIC/ORB	
58	2220373	2	Fitting, Straight JIC/ORB	
60	2220940	1	Fitting, 90 ORB/FL	
61	2220466	3	Fitting, 90 ORB/FL	
62	2151616	1	Fitting, 90 ORFS/ORB	
64	2220371	2	Fitting, Straight JIC/ORB	
67	2130606	3	Fitting, 90 ORFS/ORB	
68	2220473	2	Fitting, 90 ORB/FL	
73	1001198338	1	Fitting, Tee ORFS/ORB	
74	1001215296	1	Fitting, 90 JIC/SORB	
100	1001270069	1	Arctic Towbar Hose Kit	
101	2753622	1	Hose	
102	2753686	2	Hose	
103	2753971	3	Hose	
104	2754337	2	Hose	
105	2754338	1	Hose	
106	1001198340	1	Hose	
107	2753626	1	Hose	
108	2753634	1	Hose	
200	1001270630	1	Front Hose Kit	
201	2753542	1	Hose	
202	2753628	2	Hose	

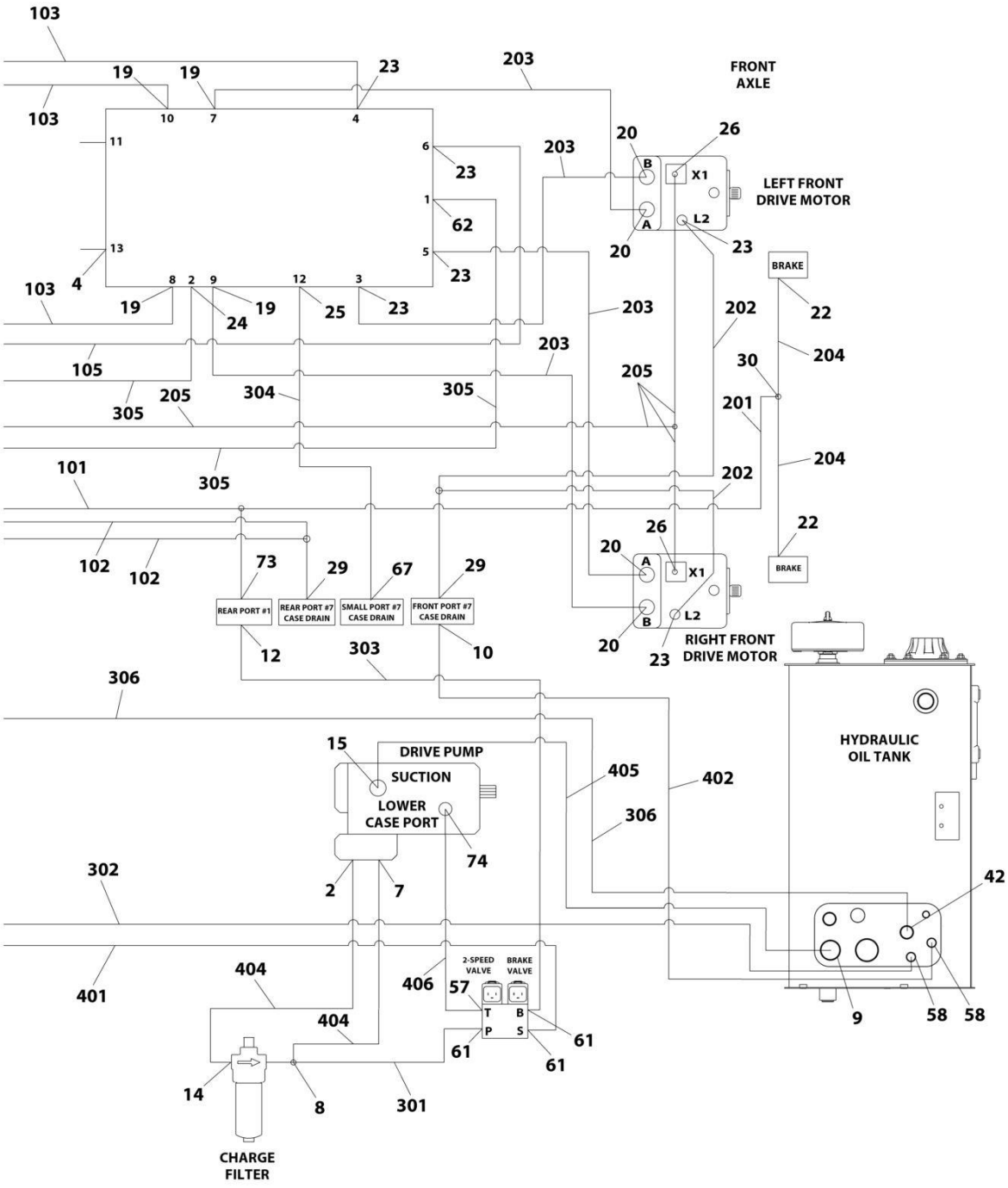
SECTION 7 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
203	2753970	4	Hose	
204	2754512	2	Hose	
205	1001198333	2	Hose	
206	1001198341	1	Hose	
300	1001270090	1	Arctic Towbar Hose Kit	
301	2752434	1	Hose	
302	2752938	1	Hose	
306	1001188135	1	Hose	
307	2752495	1	Hose	
308	2752754	1	Hose	
309	1001151354	1	Hose	
400	1001270091	1	Arctic Towbar Hose Kit	
401	2751399	1	Hose	
402	2751500	1	Hose	
403	2752489	2	Hose	
407	1001156332	1	Hose	
408	1001156333	1	Hose	
409	2752997	1	Hose	

FIGURE 7-5. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITHOUT TOW PACKAGE/WITH ARCTIC PACKAGE)



ART_1001178205_1OF3


FRONT AXLE
LEFT FRONT DRIVE MOTOR
RIGHT FRONT DRIVE MOTOR
BRAKE
REAR PORT #1
REAR PORT #7 CASE DRAIN
SMALL PORT #7 CASE DRAIN
FRONT PORT #7 CASE DRAIN
DRIVE PUMP
SUCTION
LOWER CASE PORT
HYDRAULIC OIL TANK
2-SPEED VALVE
BRAKE VALVE
CHARGE FILTER
ART_1001178205_2OF3

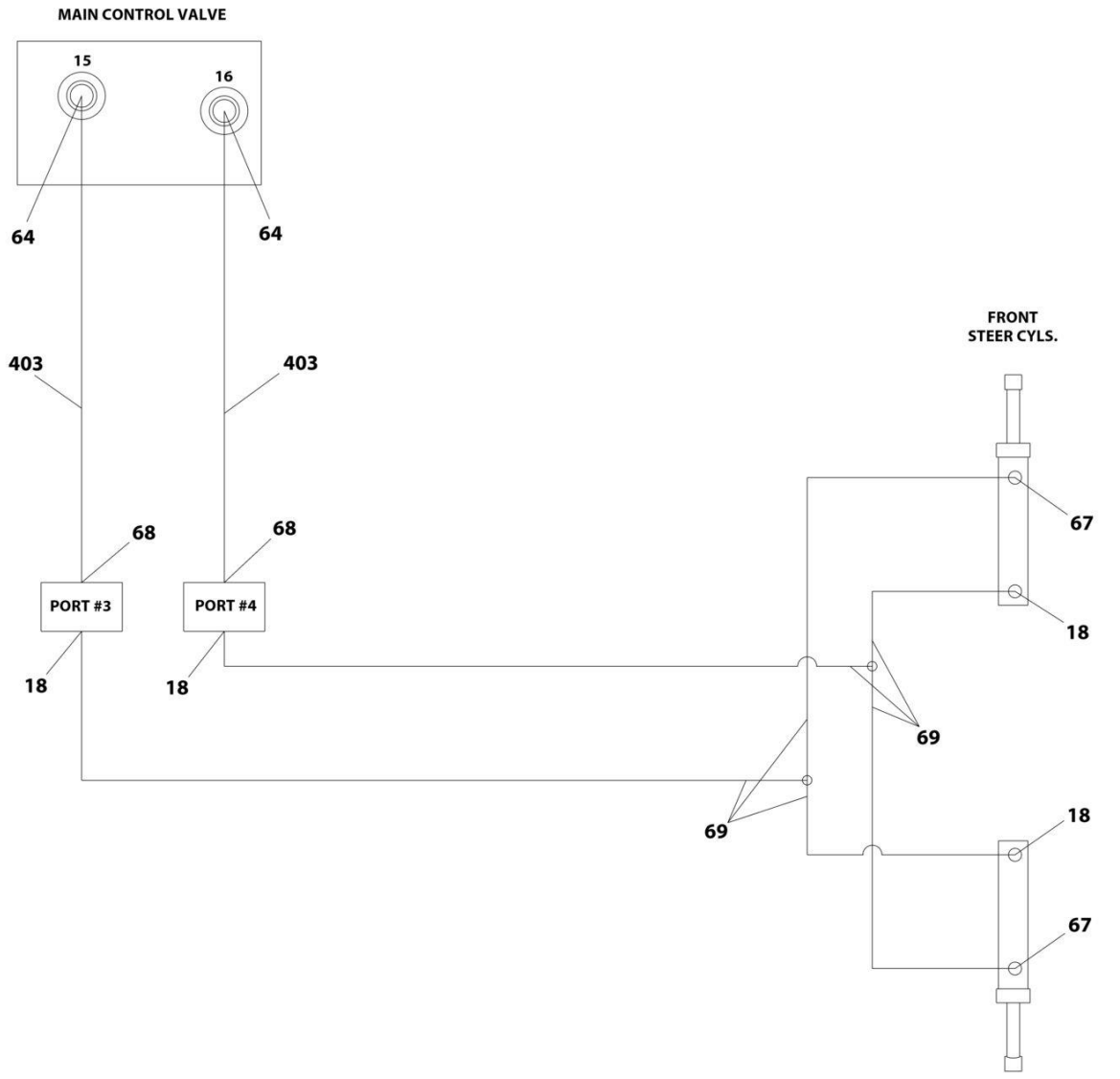

MAIN CONTROL VALVE
15
16
64
64
403
403
68
68
PORT #3
PORT #4
18
18
FRONT
STEER CYLS.
67
18
69
69
18
67
ART_1001178205_3OF3

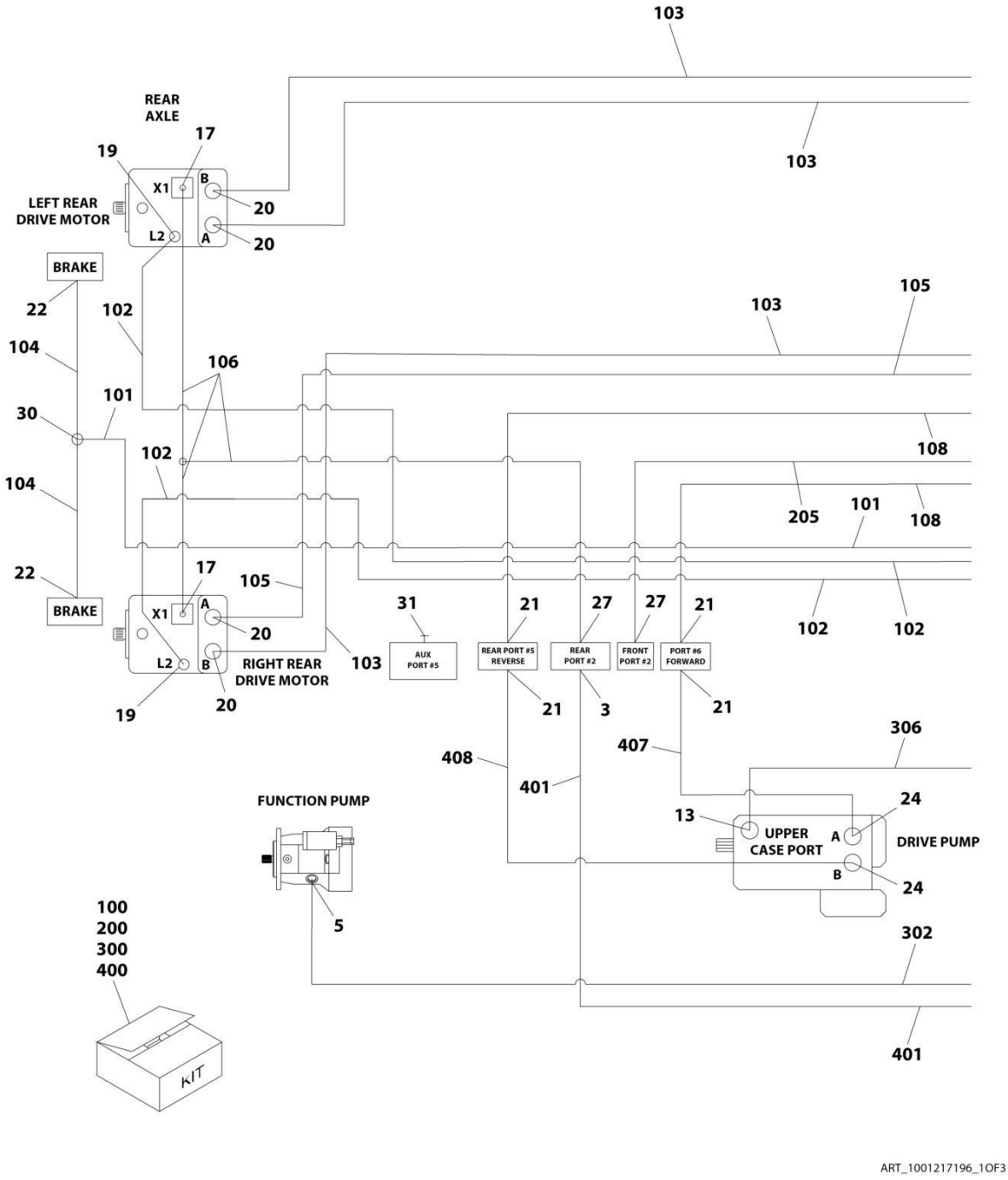
FIGURE 7-5. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITHOUT TOW PACKAGE/WITH ARCTIC PACKAGE)

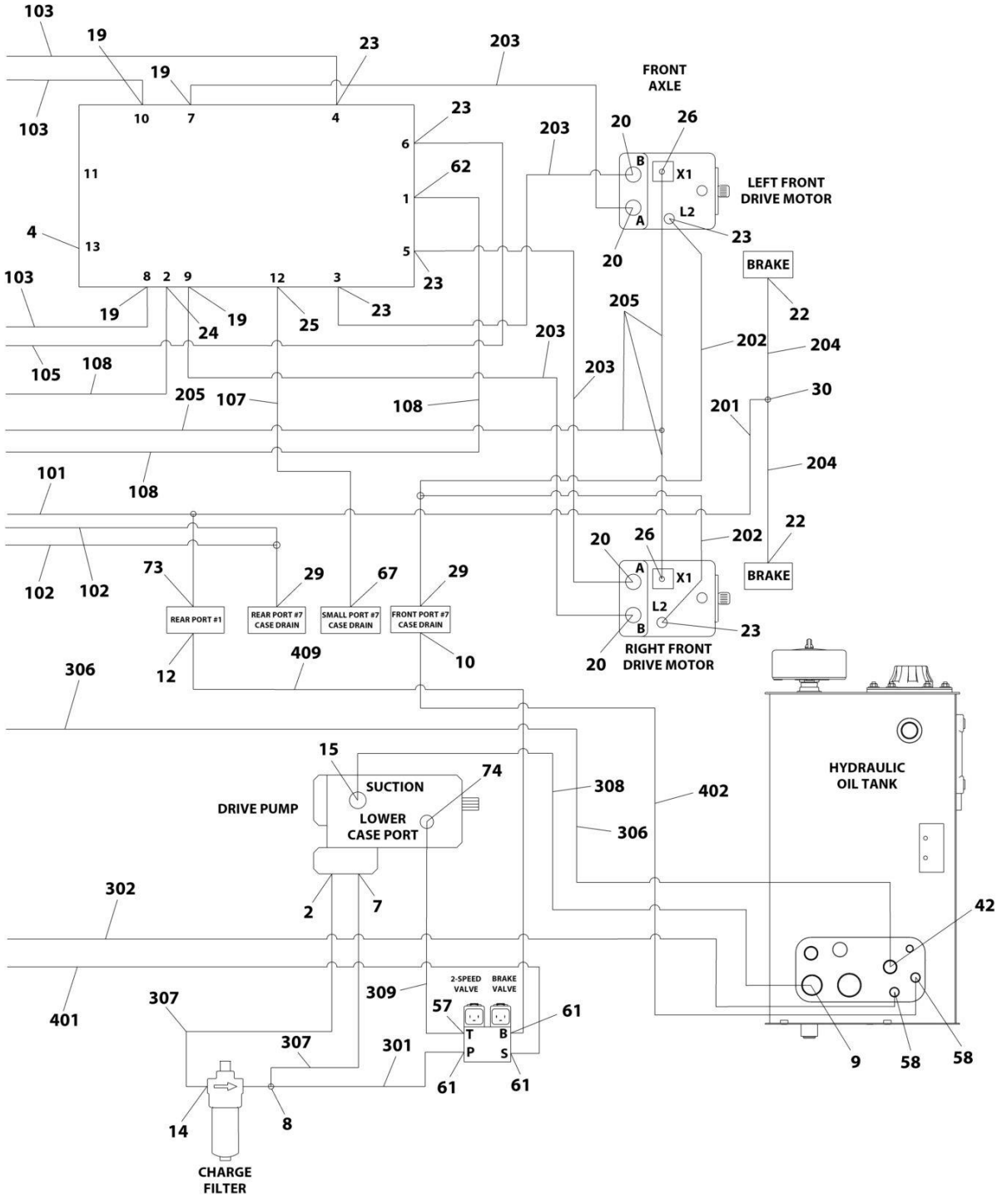
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178205	Ref	DRIVE HYDRAULIC DIAGRAM - 4WD/2WS	H
2	2220800	1	Fitting, Straight ORB/FL	
3	2220582	1	Fitting, Straight ORB/FL	
4	2220238	1	Plug	
5	2220671	1	Fitting, 90 JIC/ORB	
7	2220374	1	Fitting, Straight JIC/ORB	
8	1001199394	1	Fitting, Tee JIC/ORB/JIC	
9	2220380	1	Fitting, Straight ORB/FL	
10	2220375	1	Fitting, Straight ORB/FL	
12	2220468	1	Fitting, Straight ORB/FL	
13	2220578	1	Fitting, 90 JIC/ORB	
14	2220596	1	Fitting, 90 JIC/FL	
15	8770050	1	Fitting, 90 JIC/ORB	
17	2110406	2	Fitting, Straight ORFS/ORB	
18	2110606	4	Fitting, Straight ORFS/ORB	
19	2110808	6	Fitting, Straight ORFS/ORB	
20	2110812	8	Fitting, Straight ORFS/ORB	
21	2111616	4	Fitting, Straight ORFS/ORB	
22	2110404	4	Fitting, Straight ORFS/ORB	
23	2130808	6	Fitting, 90 ORFS/ORB	
24	2131616	3	Fitting, 90 ORFS/ORB	
25	2130604	1	Fitting, 90 ORFS/ORB	
26	2130406	2	Fitting, 90 ORFS/ORB	
27	2150406	2	Fitting, 45 ORFS/ORB	
29	2170408	2	Fitting, Tee ORFS/ORFS/ORB	
30	2170504	2	Fitting, Tee ORFS	
31	2220237	1	Plug	
42	2220451	1	Fitting, Straight JIC/ORB	
57	2220940	1	Fitting, 90 ORB/FL	
58	2220373	2	Fitting, Straight JIC/ORB	
61	2220466	3	Fitting, 90 ORB/FL	
62	2151616	1	Fitting, 90 ORFS/ORB	
64	2220371	2	Fitting, Straight JIC/ORB	
67	2130606	3	Fitting, 90 ORFS/ORB	
68	2220473	2	Fitting, 90 ORB/FL	
69	1001198333	2	Hose	
73	1001198338	1	Fitting, Tee ORFS/ORB	
74	1001215296	1	Fitting, 90 JIC/SORB	
100	1001270069	1	Arctic Towbar Hose Kit	
101	2753622	1	Hose	
102	2753686	2	Hose	
103	2753971	3	Hose	
104	2754337	2	Hose	
105	2754338	1	Hose	
106	1001198340	1	Hose	
200	1001270073	1	Arctic Towbar Hose Kit	
201	2753542	1	Hose	
202	2754720	2	Hose	
203	2754743	4	Hose	

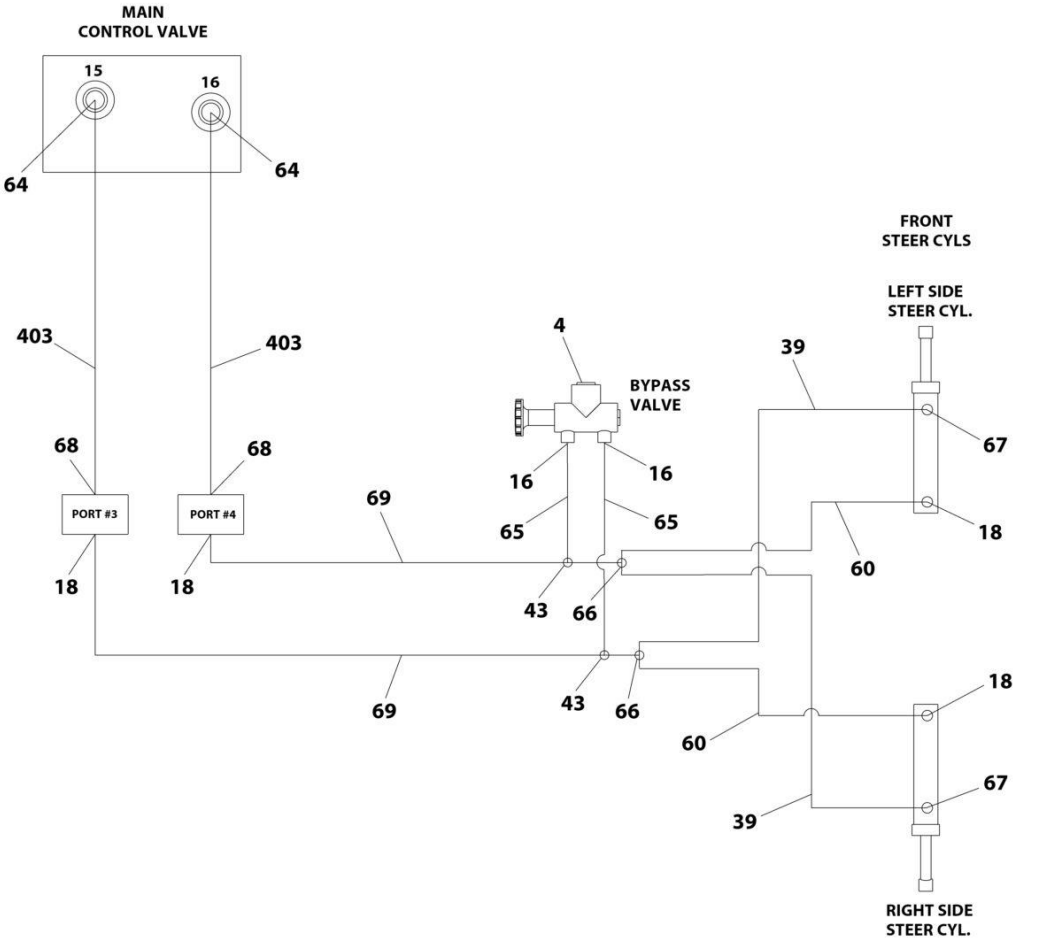
SECTION 7 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
204	1001106957	2	Hose	
205	1001204269	1	Hose	
300	1001270090	1	Arctic Towbar Hose Kit	
301	2752434	1	Hose	
302	2752938	1	Hose	
303	2752997	1	Hose	
304	2753626	1	Hose	
305	2753634	2	Hose	
306	1001188135	1	Hose	
400	1001270091	1	Arctic Towbar Hose Kit	
401	2751399	1	Hose	
402	2751500	1	Hose	
403	2752489	2	Hose	
404	2752495	2	Hose	
405	2752754	1	Hose	
406	1001151354	1	Hose	
407	1001156332	1	Hose	
408	1001156333	1	Hose	

FIGURE 7-6. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITH TOW PACKAGE/WITHOUT ARCTIC PACKAGE)




FRONT AXLE
LEFT FRONT DRIVE MOTOR
RIGHT FRONT DRIVE MOTOR
BRAKE
BRAKE
REAR PORT #1
REAR PORT #7 CASE DRAIN
SMALL PORT #7 CASE DRAIN
FRONT PORT #7 CASE DRAIN
DRIVE PUMP
SUCTION
LOWER CASE PORT
HYDRAULIC OIL TANK
2-SPEED VALVE
BRAKE VALVE
CHARGE FILTER
ART_1001217196_2OF3



ART_1001217196_3OF3

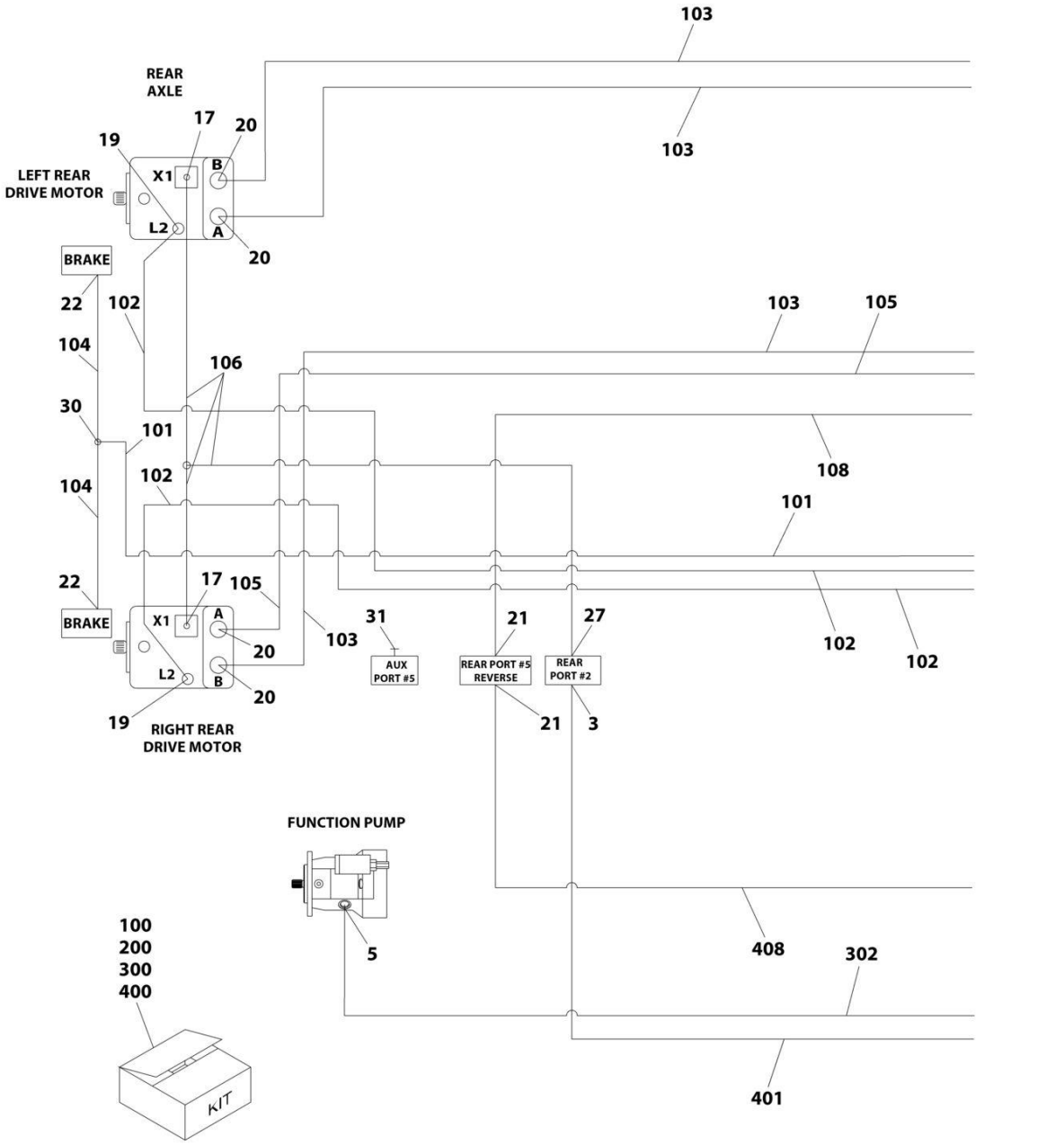
FIGURE 7-6. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITH TOW PACKAGE/WITHOUT ARCTIC PACKAGE)

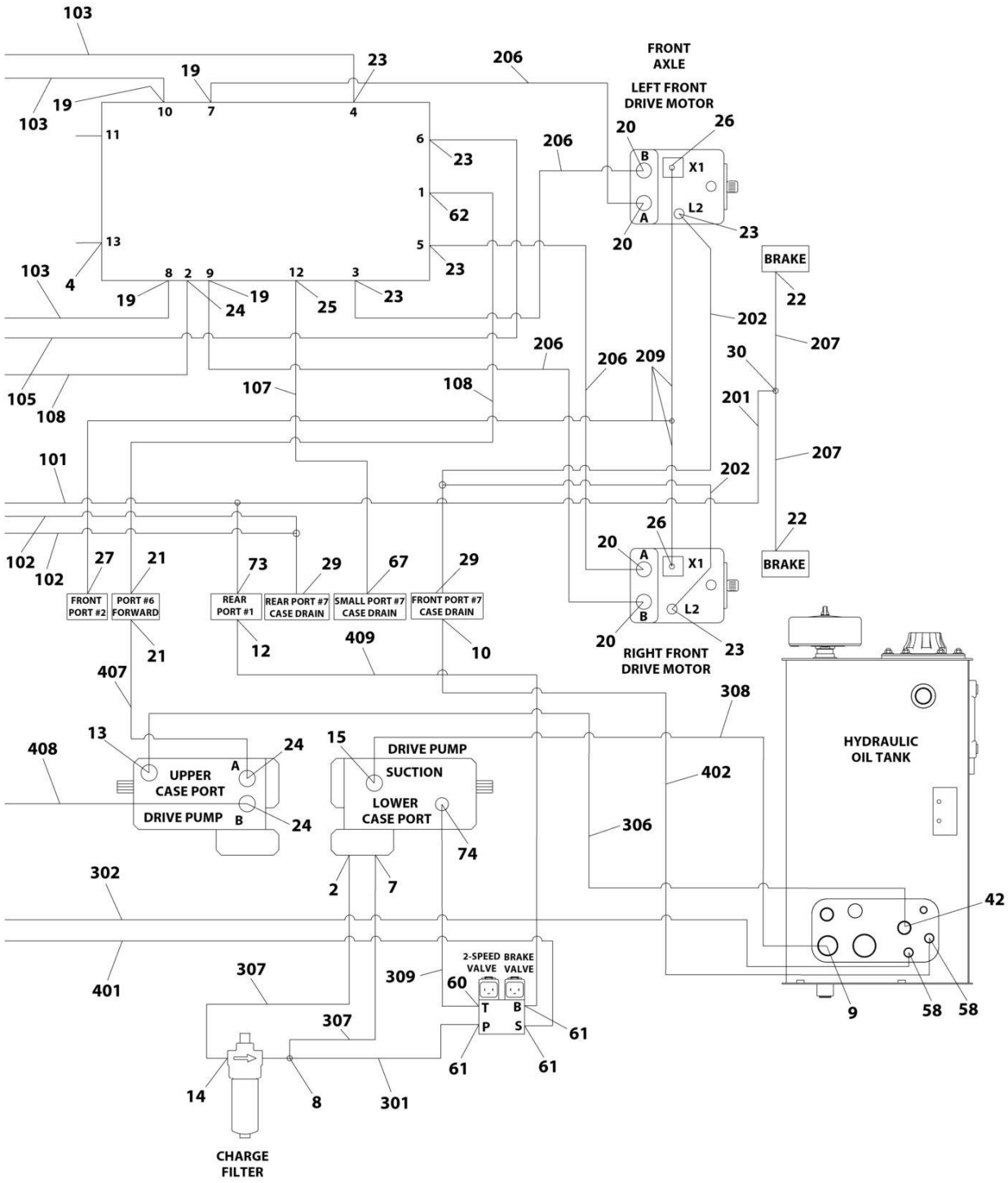
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217196	Ref	Drive Hydraulic Diagram - 4WD/2WS	D
2	2220800	1	Fitting, Straight ORB/FL	
3	2220582	1	Fitting, Straight ORB/FL	
4	2220238	2	Plug	
5	2220671	1	Fitting, 90 JIC/ORB	
7	2220374	1	Fitting, Straight JIC/ORB	
8	1001199394	1	Fitting, Tee JIC/ORB/JIC	
9	2220380	1	Fitting, Straight ORB/FL	
10	2220375	1	Fitting, Straight ORB/FL	
12	2220468	1	Fitting, Straight ORB/FL	
13	2220578	1	Fitting, 90 JIC/ORB	
14	2220596	1	Fitting, 90 ORB/FL	
15	8770050	1	Fitting, 90 JIC/ORB	
16	2110608	2	Fitting, Straight ORFS/ORB	
17	2110406	2	Fitting, Straight ORFS/ORB	
18	2110606	4	Fitting, Straight ORFS/ORB	
19	2110808	6	Fitting, Straight ORFS/ORB	
20	2110812	8	Fitting, Straight ORFS/OBS	
21	2131616	4	Fitting, 90 ORFS/ORB	
22	2110404	4	Fitting, Straight ORFS/ORB	
23	2130808	6	Fitting, 90 ORFS/ORB	
24	2111616	3	Fitting, Straight ORFS/ORB	
25	2130604	1	Fitting, 90 ORFS/OBS	
26	2130406	2	Fitting, 90 ORFS/OBS	
27	2150406	2	Fitting, 45 ORFS/ORB	
29	2170408	2	Fitting, Tee ORFS/ORFS/OBS	
30	2170504	2	Fitting, Tee ORFS	
31	2220237	1	Plug	
39	2753656	2	Hose	
42	2220451	1	Fitting, Straight JIC/ORB	
43	2170706	2	Fitting, Tee - ORFS/ORFS/ORFS	
57	2220940	1	Fitting, 90 ORB/FL	
58	2220373	2	Fitting, Straight JIC/ORB	
60	1001159340	2	Hose	
61	2220466	3	Fitting, 90 ORB/FL	
62	2151616	1	Fitting, 45 ORFS/ORB	
64	2220371	2	Fitting, Straight JIC/ORB	
65	2753879	2	Hose	
66	2170506	2	Fitting, Tee ORFS/ORFS/ORFS	
67	2130606	3	Fitting, 90 ORFS/ORB	
68	2220473	2	Fitting, 90 ORB/FL	
69	2753732	2	Hose	
73	1001198338	1	Fitting, Tee ORFS/ORB	
74	1001215296	1	Fitting, 90 JIC/SORB	
100	1001270069	1	Arctic Towbar Hose Kit	
101	2753622	1	Hose	
102	2753686	2	Hose	
103	2753971	3	Hose	
104	2754337	2	Hose	

SECTION 7 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
105	2754338	1	Hose	
106	1001198340	1	Hose	
107	2753626	1	Hose	
108	2753634	1	Hose	
200	1001270073	1	Arctic Towbar Hose Kit	
201	2753542	1	Hose	
202	2754720	2	Hose	
203	2754743	4	Hose	
204	1001106957	2	Hose	
205	1001204269	1	Hose	
300	1001270090	1	Arctic Towbar Hose Kit	
301	2752434	1	Hose	
302	2752938	1	Hose	
306	1001188135	1	Hose	
307	2752495	1	Hose	
308	2752754	1	Hose	
309	1001151354	1	Hose	
400	1001270091	1	Arctic Towbar Hose Kit	
401	2751399	1	Hose	
402	2751500	1	Hose	
403	2752489	2	Hose	
407	1001156332	1	Hose	
408	1001156333	1	Hose	
409	2752997	1	Hose	

FIGURE 7-7. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITH TOW PACKAGE/WITH ARCTIC PACKAGE)




FRONT AXLE
LEFT FRONT DRIVE MOTOR
RIGHT FRONT DRIVE MOTOR
BRAKE
BRAKE
FRONT PORT #2
PORT #6 FORWARD
REAR PORT #1
REAR PORT #7 CASE DRAIN
SMALL PORT #7 CASE DRAIN
FRONT PORT #7 CASE DRAIN
UPPER CASE PORT
DRIVE PUMP
DRIVE PUMP SUCTION
LOWER CASE PORT
HYDRAULIC OIL TANK
2-SPEED VALVE
BRAKE VALVE
CHARGE FILTER
ART_1001217195_2OF3

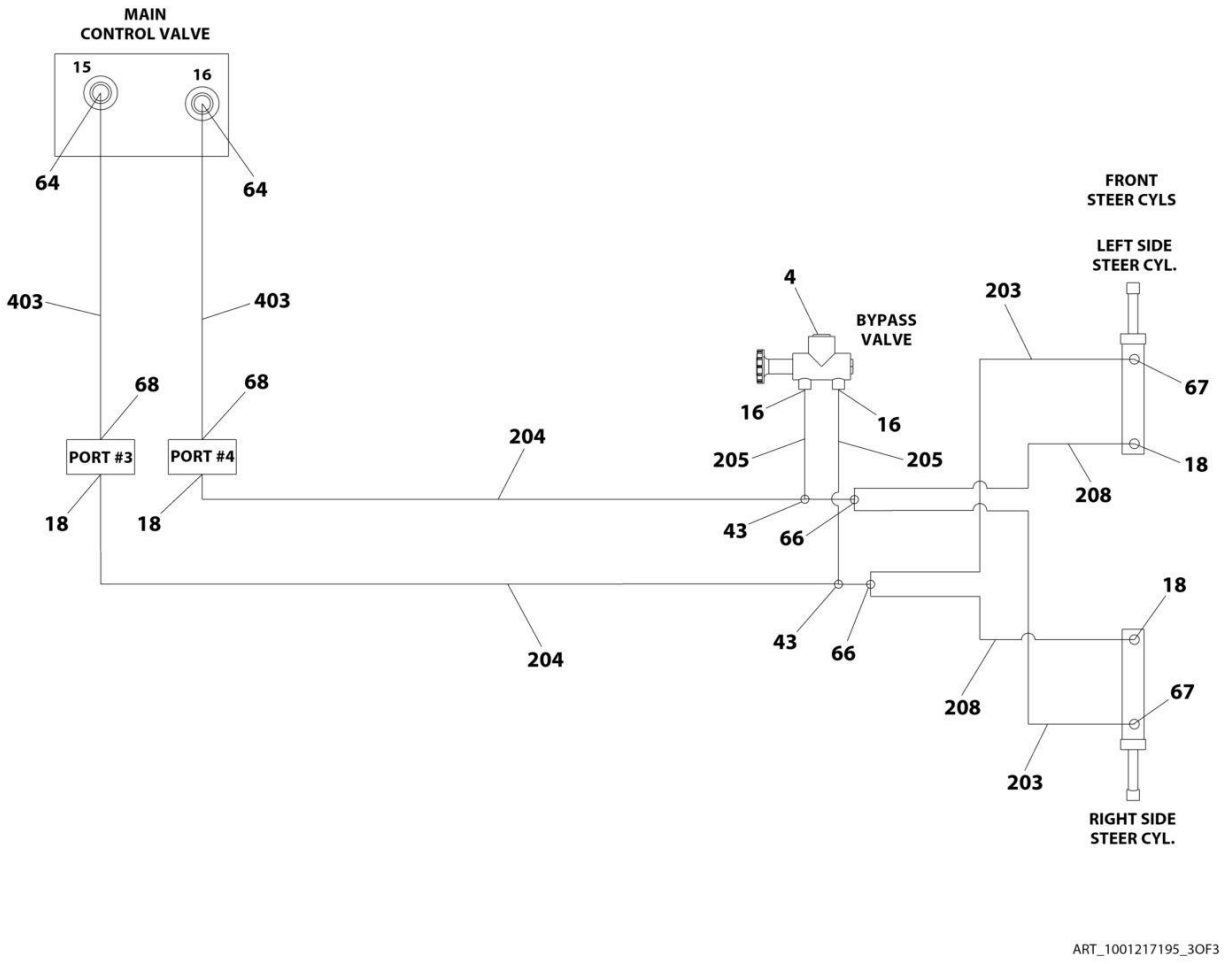

MAIN
CONTROL VALVE
15
16
64
64
403
403
68
68
PORT #3
PORT #4
18
18
204
204
4
BYPASS
VALVE
16
16
205
205
43
66
43
66
FRONT
STEER CYLS
LEFT SIDE
STEER CYL.
203
67
18
208
18
67
208
203
RIGHT SIDE
STEER CYL.
ART_1001217195_3OF3

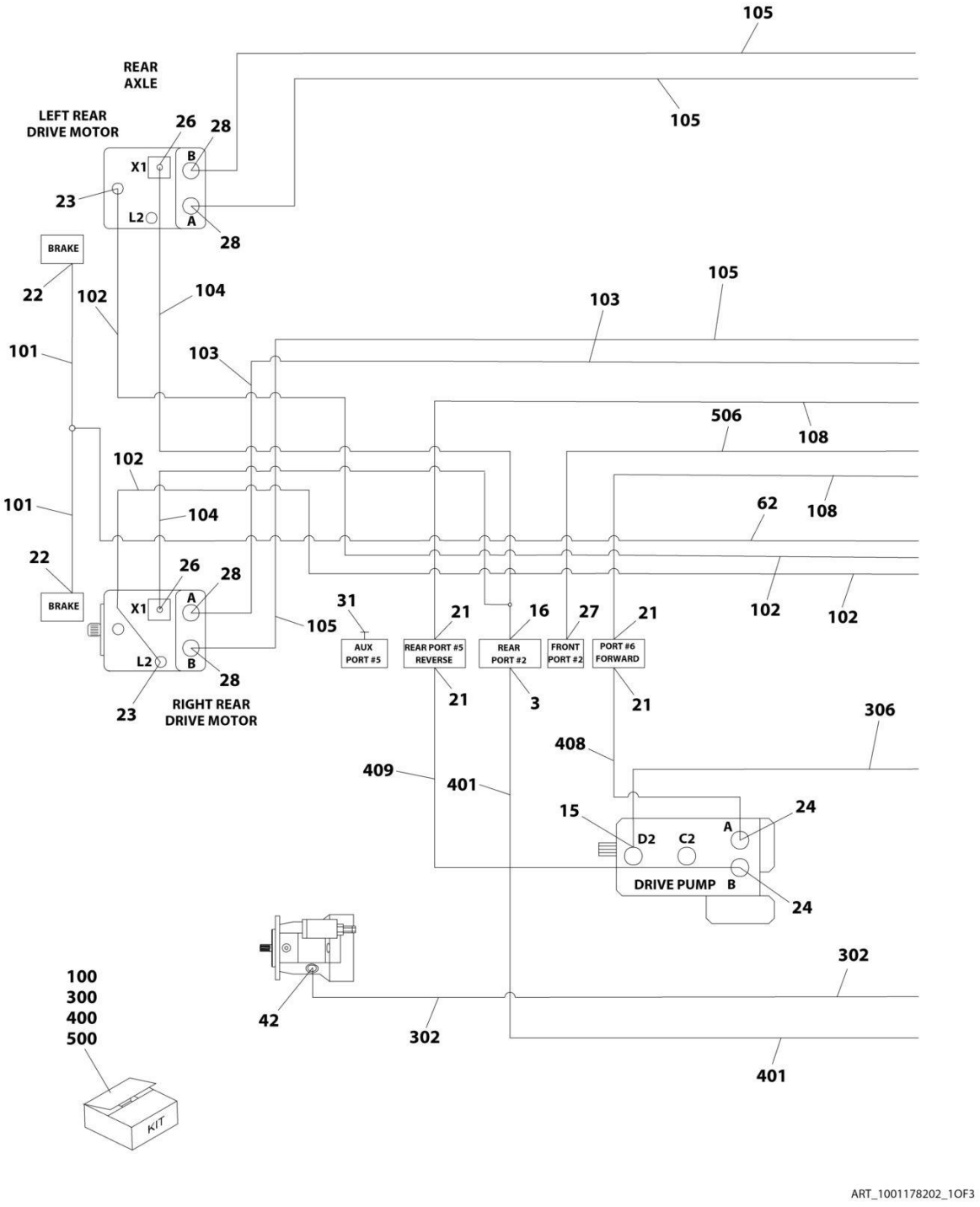
FIGURE 7-7. HYDRAULIC DIAGRAM - DRIVE (4WD/2WS WITH TOW PACKAGE/WITH ARCTIC PACKAGE)

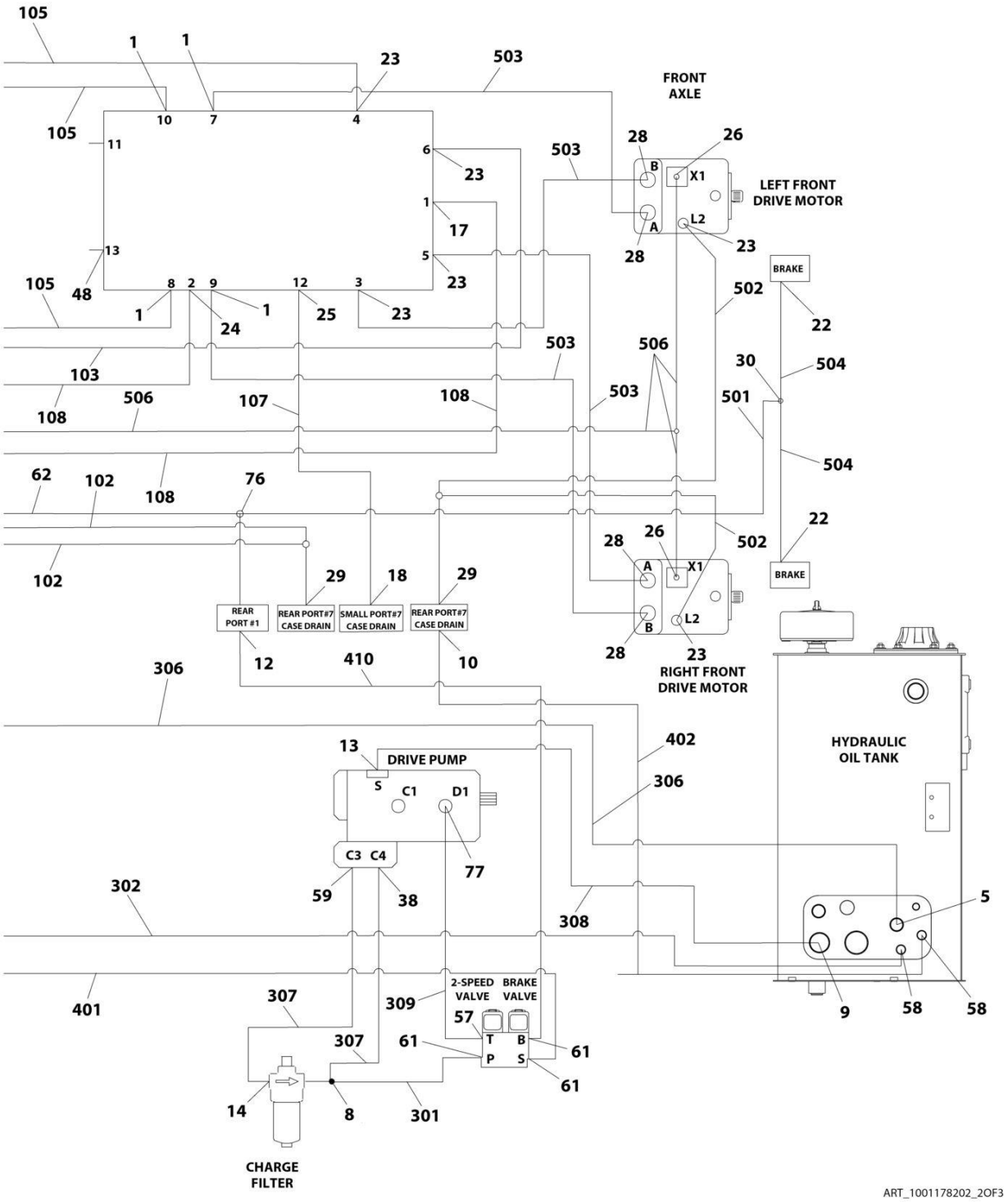
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217195	Ref	HYDRAULIC DIAGRAM - DRIVE (4WD/2WS)	D
2	2220800	1	Fitting, Straight ORB/FL	
3	2220582	1	Fitting, Straight ORB/FL	
4	2220238	2	Plug	
5	2220671	1	Fitting, 90 JIC/ORB	
7	2220374	1	Fitting, Straight JIC/ORB	
8	1001199394	1	Fitting, Tee JIC/ORB/JIC	
9	2220380	1	Fitting, Straight ORB/FL	
10	2220375	1	Fitting, Straight ORB/FL	
12	2220468	1	Fitting, Straight ORB/FL	
13	2220578	1	Fitting, 90 JIC/ORB	
14	2220596	1	Fitting, 90 ORB/FL	
15	8770050	1	Fitting, 90 JIC/ORB	
16	2110608	2	Fitting, Straight ORFS/ORB	
17	2110406	2	Fitting, Straight ORFS/ORB	
18	2110606	4	Fitting, Straight ORFS/ORB	
19	2110808	6	Fitting, Straight ORFS/ORB	
20	2110812	8	Fitting, Straight ORFS/OBS	
21	2131616	4	Fitting, 90 ORFS/ORB	
22	2110404	4	Fitting, Straight ORFS/ORB	
23	2130808	6	Fitting, 90 ORFS/ORB	
24	2111616	3	Fitting, Straight ORFS/ORB	
25	2130604	1	Fitting, 90 ORFS/OBS	
26	2130406	2	Fitting, 90 ORFS/OBS	
27	2150406	2	Fitting, 45 ORFS/ORB	
29	2170408	2	Fitting, Tee ORFS/ORFS/OBS	
30	2170504	2	Fitting, Tee ORFS	
31	2220237	1	Plug	
42	2220451	1	Fitting, Straight JIC/ORB	
43	2170706	2	Fitting, Tee - ORFS/ORFS/ORFS	
58	2220373	2	Fitting, Straight JIC/ORB	
60	2220940	1	Fitting, 90 ORB/FL	
61	2220466	3	Fitting, 90 ORB/FL	
62	2151616	1	Fitting, 45 ORFS/ORB	
64	2220371	2	Fitting, Straight JIC/ORB	
66	2170506	2	Fitting, Tee ORFS/ORFS/ORFS	
67	2130606	3	Fitting, 90 ORFS/ORB	
68	2220473	2	Fitting, 90 ORB/FL	
73	1001198338	1	Fitting, Tee ORFS/ORB	
74	1001215296	1	Fitting, 90 JIC/SORB	
100	1001270069	1	Arctic Twobar Hose Kit	
101	2753622	1	Hose	
102	2753686	2	Hose	
103	2753971	3	Hose	
104	2754337	2	Hose	
105	2754338	1	Hose	
106	1001198340	1	Hose	
107	2753626	1	Hose	
108	2753634	1	Hose	

SECTION 7 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
200	1001270096	1	Towbar Front Hose Kit	
201	2753542	1	Hose	
202	2753628	2	Hose	
203	2753656	2	Hose	
204	2753732	2	Hose	
205	2753879	2	Hose	
206	2753970	4	Hose	
207	2754512	2	Hose	
208	1001159340	2	Hose	
209	1001198341	1	Hose	
300	1001270090	1	Arctic Twobar Hose Kit	
301	2752434	1	Hose	
302	2752938	1	Hose	
306	1001188135	1	Hose	
307	2752495	1	Hose	
308	2752754	1	Hose	
309	1001151354	1	Hose	
400	1001270091	1	Arctic Twobar Hose Kit	
401	2751399	1	Hose	
402	2751500	1	Hose	
403	2752489	2	Hose	
407	1001156332	1	Hose	
408	1001156333	1	Hose	
409	2752997	1	Hose	

FIGURE 7-8. HYDRAULIC DIAGRAM - DRIVE (4WD/4WS WITHOUT TOW PACKAGE/WITHOUT ARCTIC PACKAGE)




FRONT AXLE
LEFT FRONT DRIVE MOTOR
RIGHT FRONT DRIVE MOTOR
BRAKE
REAR PORT #1
REAR PORT#7 CASE DRAIN
SMALL PORT#7 CASE DRAIN
REAR PORT#7 CASE DRAIN
DRIVE PUMP
HYDRAULIC OIL TANK
2-SPEED VALVE
BRAKE VALVE
CHARGE FILTER
ART_1001178202_2OF3

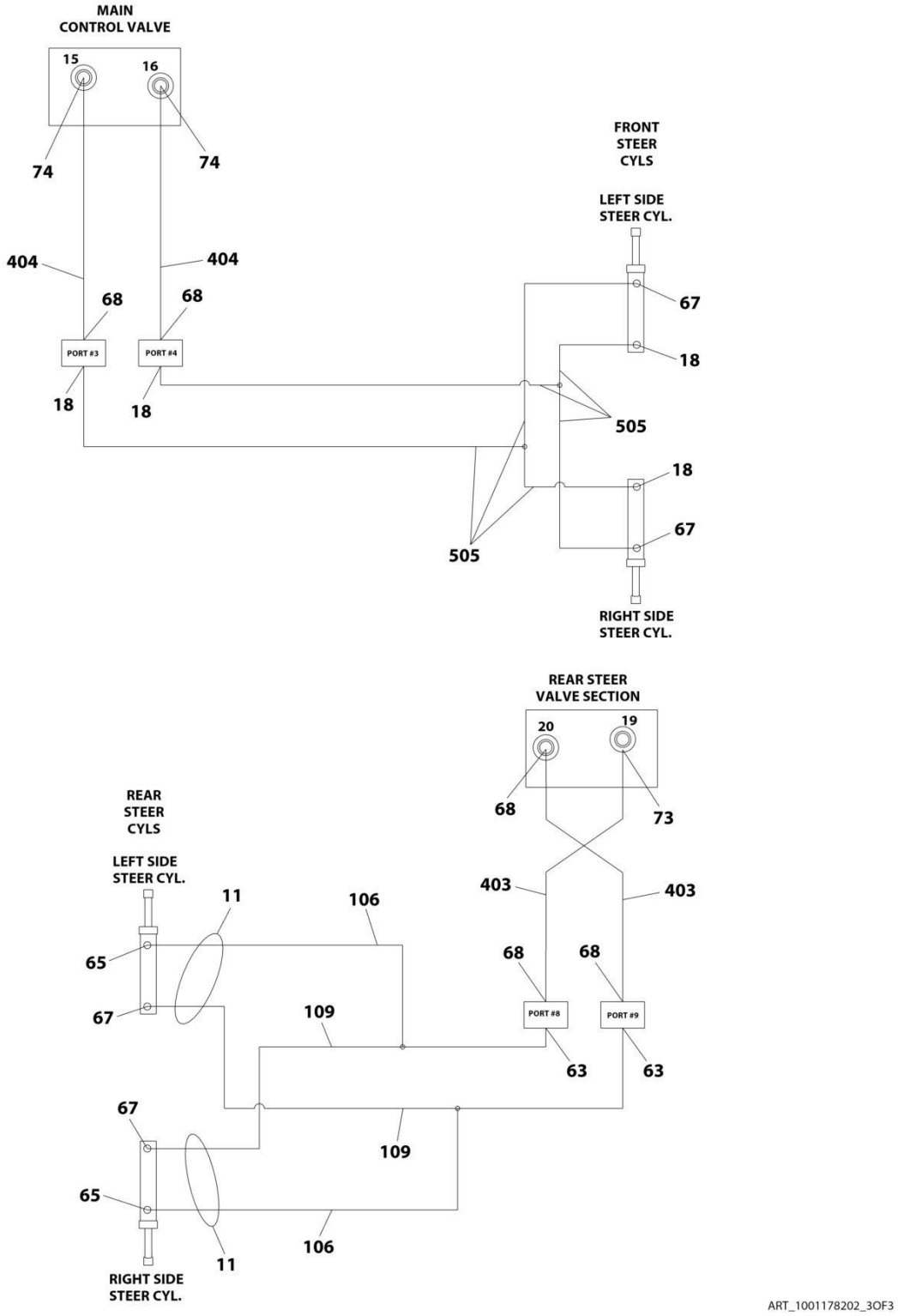

MAIN
CONTROL VALVE
15
16
74
74
404
404
68
68
PORT #3
PORT #4
18
18
FRONT
STEER
CYLS
LEFT SIDE
STEER CYL.
67
18
505
18
67
505
RIGHT SIDE
STEER CYL.
REAR STEER
VALVE SECTION
20
19
68
73
403
403
REAR
STEER
CYLS
LEFT SIDE
STEER CYL.
11
106
65
67
109
68
68
PORT #8
PORT #9
63
63
67
109
65
106
11
RIGHT SIDE
STEER CYL.
ART_1001178202_3OF3

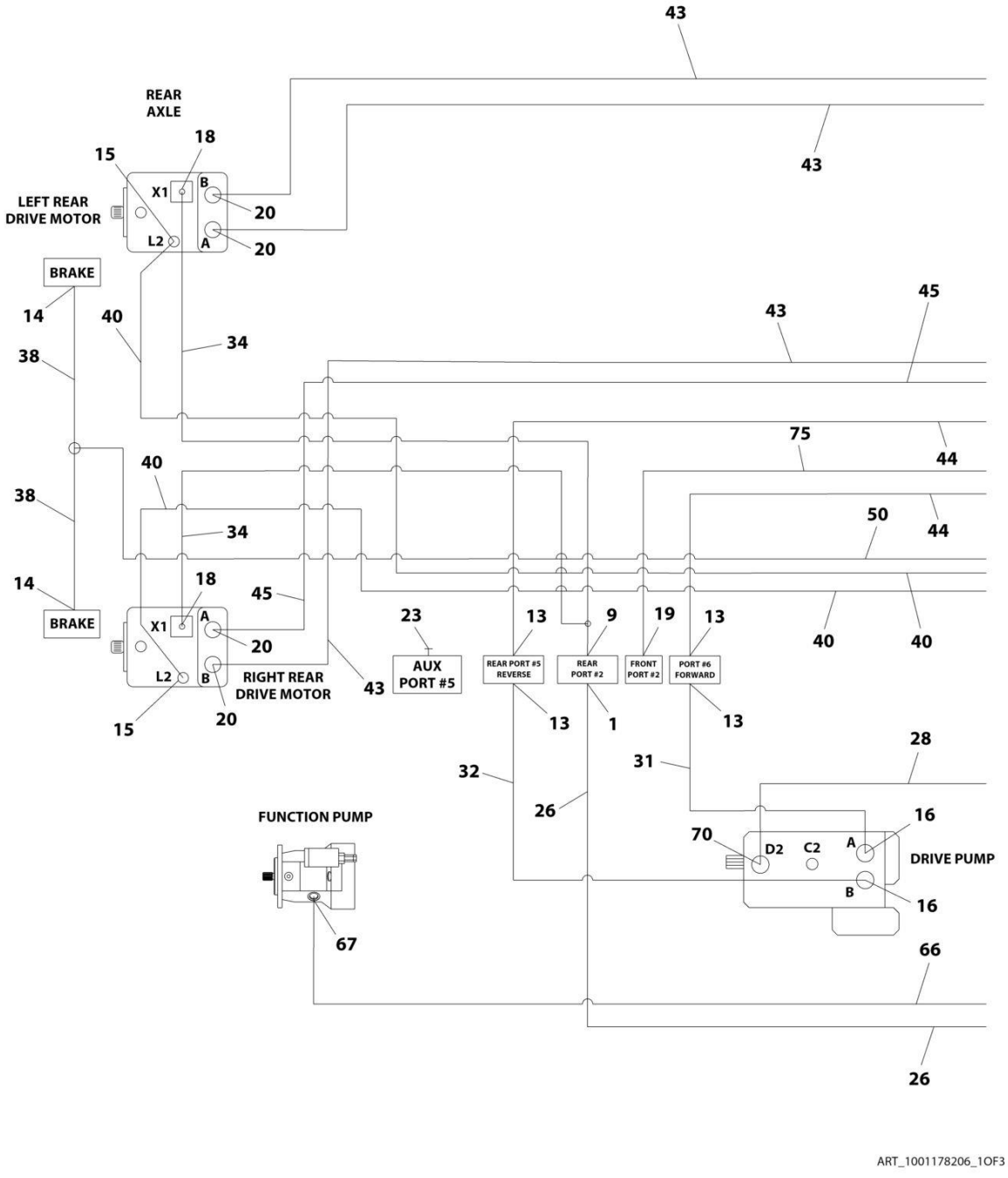
FIGURE 7-8. HYDRAULIC DIAGRAM - DRIVE (4WD/4WS WITHOUT TOW PACKAGE/WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178202	Ref	DRIVE HYDRAULIC DIAGRAM	J
1	2110808	4	Fitting, Straight ORFS/ORB	
3	2220582	1	Fitting, Straight ORB/JIC	
5	2220451	1	Fitting, Straight ORB/JIC	
8	1001199394	1	Fitting, Tee JIC/ORB/JIC	
9	2220380	1	Fitting, Straight ORB/JIC	
10	2220375	1	Fitting, Straight ORB/JIC	
11	4100026	2 ft/ 1m	Sleeve	
12	2220468	1	Fitting, Straight ORB/JIC	
13	8770050	1	Fitting, 90 JIC/ORB	
14	2220596	1	Fitting, 90 ORB/JIC	
15	2220578	1	Fitting, 90 JIC/ORB	
16	2170350	1	Fitting, Tee ORFS/ORFS/OBS	
17	2151616	1	Fitting, 45 ORFS/OBS	
18	2110606	5	Fitting, Straight ORFS/OBS	
21	2111616	4	Fitting, Straight ORFS/OBS	
22	2110404	4	Fitting, Straight ORFS/OBS	
23	2130808	8	Fitting, 90 ORFS/OBS	
24	2131616	3	Fitting, 90 ORFS/OBS	
25	2130604	1	Fitting, 90 ORFS/OBS	
26	2130406	4	Fitting, 90 ORFS/OBS	
27	2150406	1	Fitting, 45 ORFS/OBS	
28	2110812	8	Fitting, 45 ORFS/OBS	
29	2170408	2	Fitting, Tee ORFS/ORFS/OBS	
30	2170504	1	Fitting, Tee ORFS/ORFS/ORFS	
31	2220237	1	Plug	
38	2220374	1	Fitting, Straight	
42	2220671	1	Fitting, 90 JIC/ORB	
48	2220238	1	Plug ORB	
57	2220940	1	Fitting, 90 JIC/JIC	
58	2220373	2	Fitting, Straight ORB/JIC	
59	2220800	1	Sitting, Straight ORB/ORB	
61	2220466	3	Fitting, 90 ORB/JIC	
62	2170804	1	Fitting, Tee ORFS/ORB/ORFS	
63	2170306	2	Fitting, Tee ORFS/ORB/ORFS	
65	2150606	2	Fitting, 45 ORFS/ORB	
67	2130606	4	Fitting, 90 ORFS/ORB	
68	2220473	5	Fitting, 90 ORB/JIC	
73	2220819	1	Fitting, 90 JIC/ORB	
74	2220371	2	Fitting, Straight ORB/JIC	
76	1001198338	1	Fitting, Tee ORFS/ORB	
77	1001215296	1	Fitting, 90 JIC/SORB	
100	1001270093	1	Rear Hose Kit	
101	2753544	2	Hose	
102	2753753	2	Hose	
103	2753971	1	Hose	
104	1001159338	2	Hose	
105	1001159339	3	Hose	
106	2717235	1	Hose	

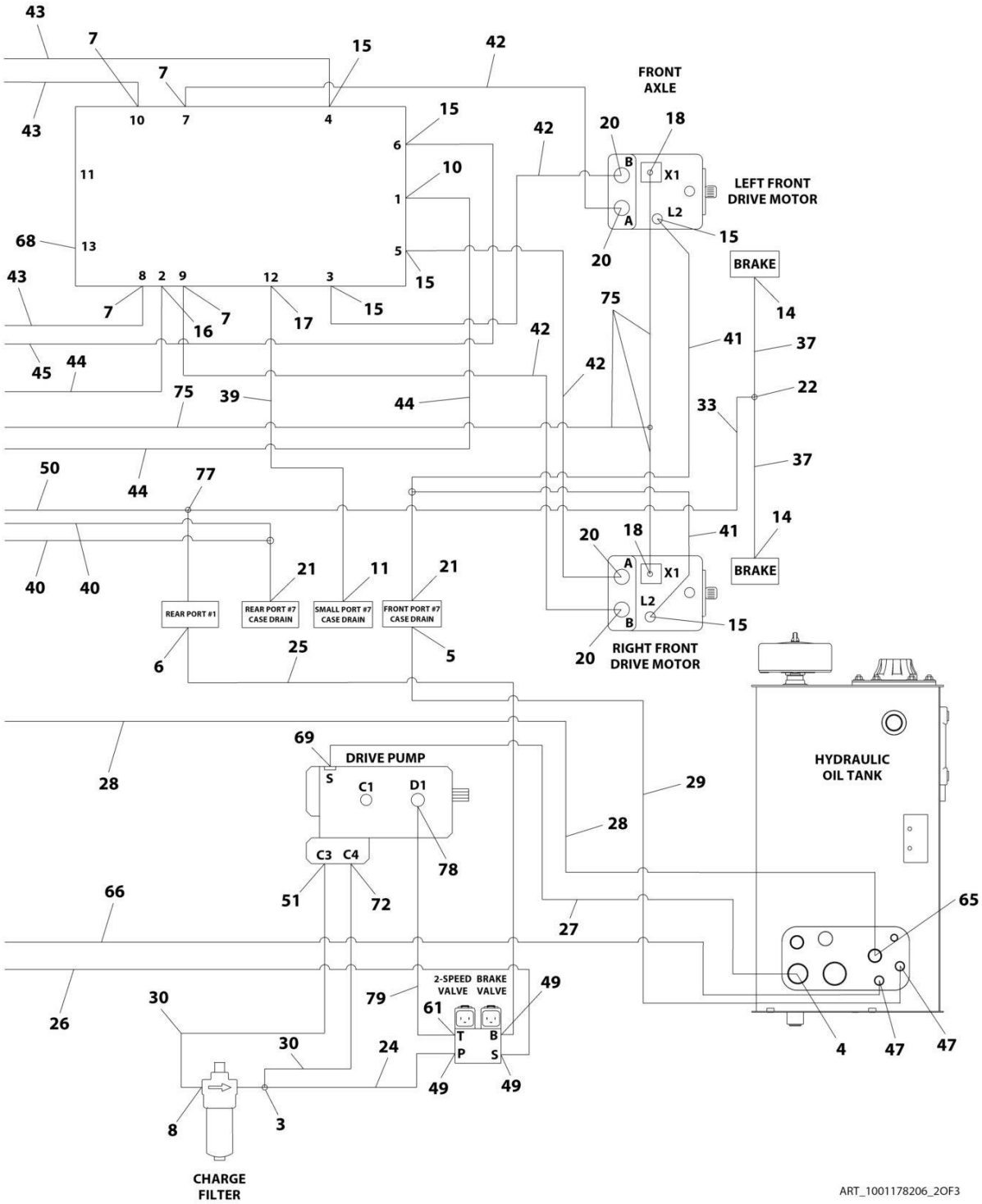
SECTION 7 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
107	2753626	1	Hose	
108	2753634	1	Hose	
109	2753727	1	Hose	
300	1001270090	1	Arctic Towbar Hose Kit	
301	2752434	1	Hose	
302	2752938	1	Hose	
306	1001188135	1	Hose	
307	2752495	1	Hose	
308	2752754	1	Hose	
309	1001151354	1	Hose	
400	1001272112	1	4WD/4WS Hose Kit	
401	2751399	1	Hose	
402	2751500	1	Hose	
403	2752466	2	Hose	
404	2752489	2	Hose	
408	1001156332	1	Hose	
409	1001156333	1	Hose	
410	2752997	1	Hose	
500	1001270630	1	Front Hose Kit	
501	2753542	1	Hose	
502	2753628	1	Hose	
503	2753970	1	Hose	
504	2754512	1	Hose	
505	1001198333	1	Hose	
506	1001198341	1	Hose	

FIGURE 7-9. HYDRAULIC DIAGRAM - DRIVE (4WD/4WS WITHOUT TOW PACKAGE/WITH ARCTIC PACKAGE)



ART_1001178206_1OF3


FRONT AXLE
LEFT FRONT DRIVE MOTOR
RIGHT FRONT DRIVE MOTOR
BRAKE
BRAKE
DRIVE PUMP
HYDRAULIC OIL TANK
REAR PORT #1
REAR PORT #7 CASE DRAIN
SMALL PORT #7 CASE DRAIN
FRONT PORT #7 CASE DRAIN
2-SPEED VALVE
BRAKE VALVE
CHARGE FILTER
ART_1001178206_2OF3

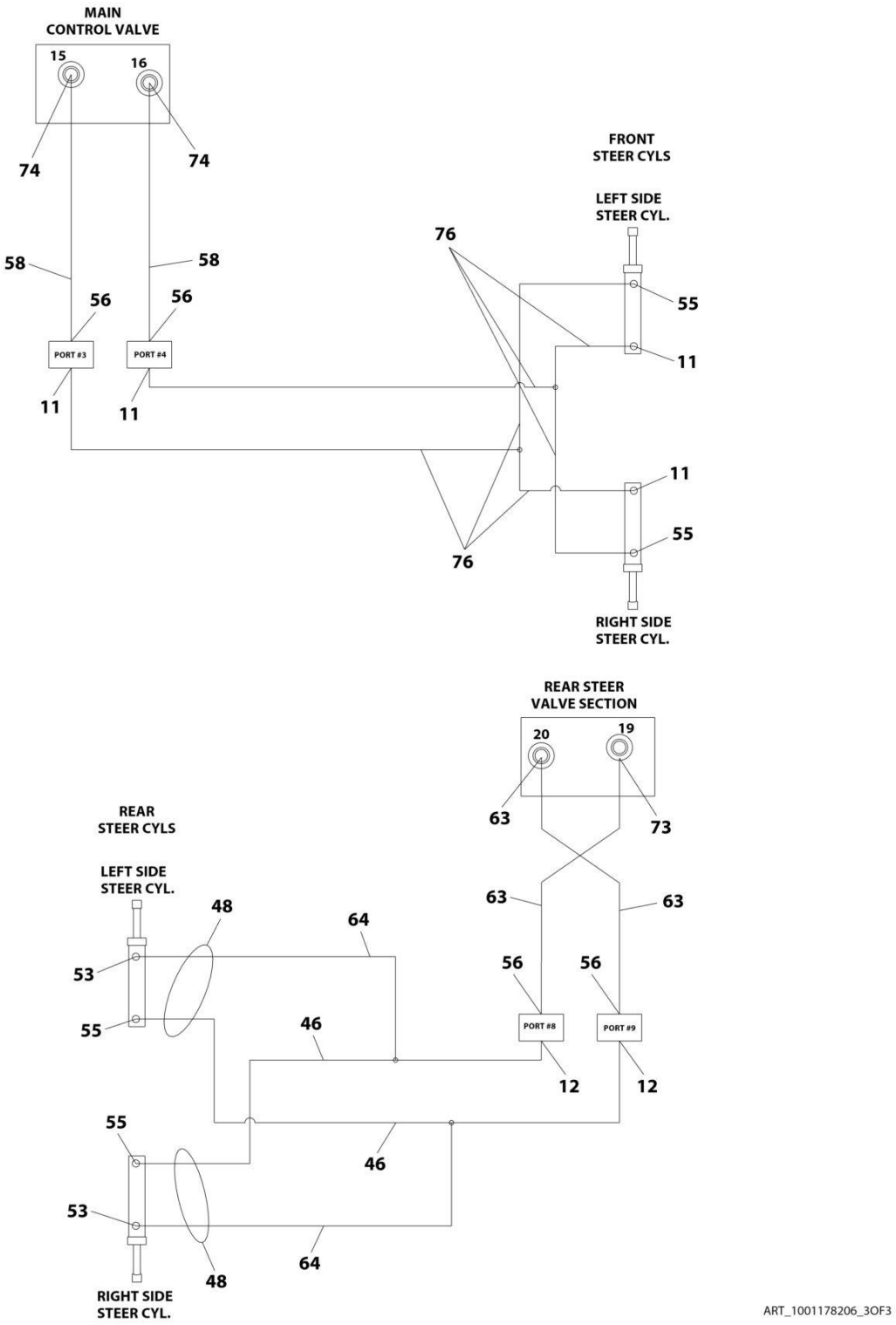

MAIN
CONTROL VALVE
15
16
74
74
58
58
56
56
PORT #3
PORT #4
11
11
FRONT
STEER CYLS
LEFT SIDE
STEER CYL.
76
55
11
11
55
76
RIGHT SIDE
STEER CYL.
REAR STEER
VALVE SECTION
20
19
63
73
63
63
56
56
PORT #8
PORT #9
12
12
REAR
STEER CYLS
LEFT SIDE
STEER CYL.
48
64
53
55
46
55
46
53
64
48
RIGHT SIDE
STEER CYL.
ART_1001178206_3OF3

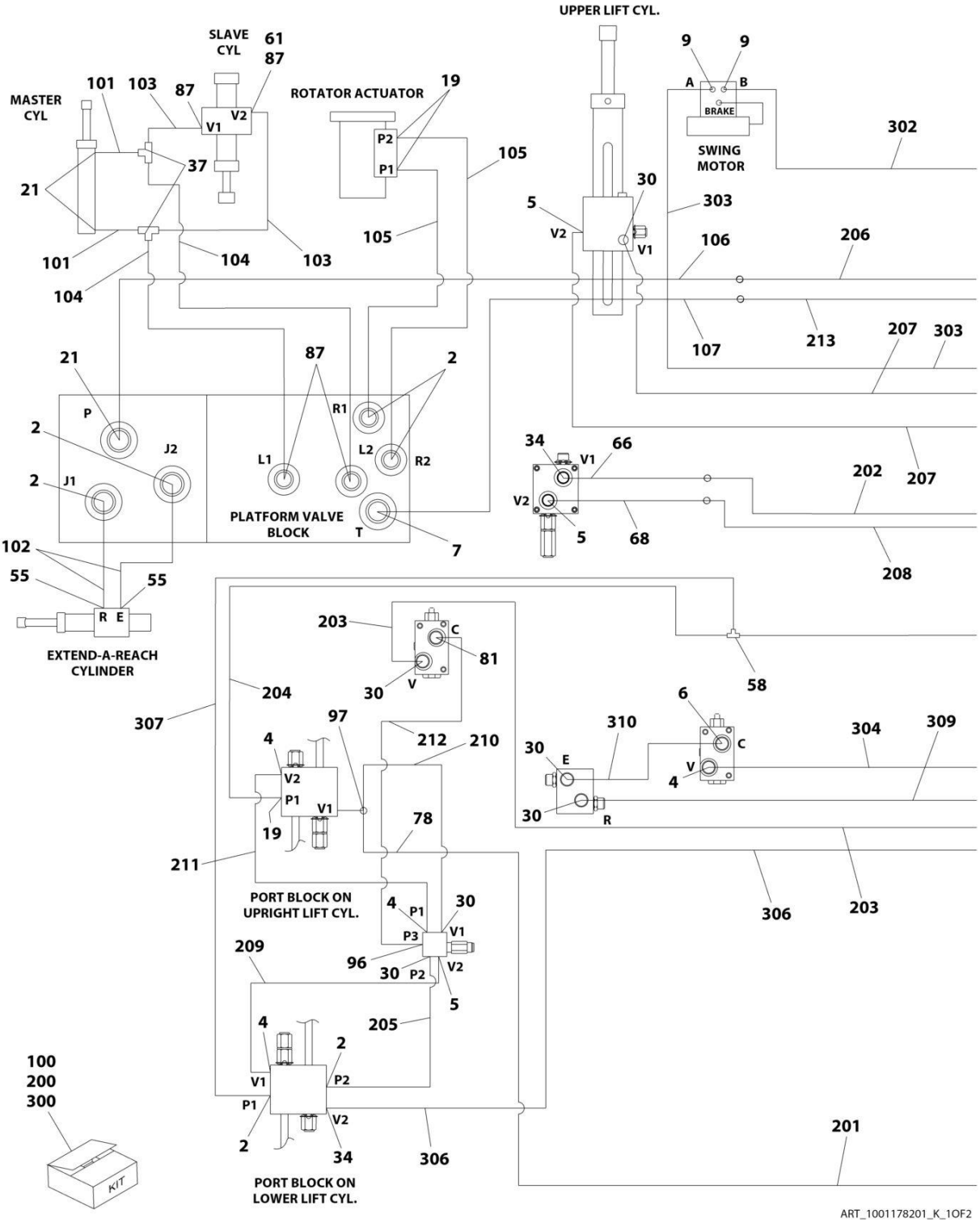
FIGURE 7-9. HYDRAULIC DIAGRAM - DRIVE (4WD/4WS WITHOUT TOW PACKAGE/WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178206	1	DRIVE HYDRAULIC DIAGRAM - 4WD/4WS	I
1	2220582	1	Fitting, Straight ORB/FL	
3	1001199394	1	Fitting, Tee JIC/ORB/JIC	
4	2220380	1	Fitting, Straight ORB/FL	
5	2220375	1	Fitting, Straight ORB/FL	
6	2220468	1	Fitting, Straight ORB/FL	
7	2110808	4	Fitting, Straight ORFS/ORB	
8	2220596	1	Fitting, 90 ORB/FL	
9	2170350	1	Fitting, Tee ORFS/ORFS/ORB	
10	2151616	1	Fitting, 45 ORFS/ORB	
11	2110606	5	Fitting, Straight ORFS/ORB	
12	2170306	2	Fitting	
13	2111616	4	Fitting, Straight ORFS/ORB	
14	2110404	4	Fitting, Straight ORFS/ORB	
15	2130808	8	Fitting, 90 ORFS/ORB	
16	2131616	3	Fitting, 90 ORFS/ORB	
17	2130604	1	Fitting, 90 ORFS/ORB	
18	2130406	4	Fitting, 90 ORFS/ORB	
19	2150406	1	Fitting, 45 ORFS/ORB	
20	2110812	8	Fitting, Straight ORFS/ORB	
21	2170408	2	Fitting, Tee ORFS/ORFS/OBS	
22	2170504	1	Fitting, Tee ORFS	
23	2220237	1	Plug	
24	2752434	1	Hose	
25	2752997	1	Hose	
26	2751399	1	Hose	
27	2752754	1	Hose	
28	1001188135	1	Hose	
29	2751500	1	Hose	
30	2752495	2	Hose	
31	1001156332	1	Hose	
32	1001156333	1	Hose	
33	2753542	1	Hose	
34	1001159306	2	Hose	
37	1001106957	2	Hose	
38	1001159305	2	Hose	
39	2753626	1	Hose	
40	1001159304	2	Hose	
41	2754720	2	Hose	
42	2754743	4	Hose	
43	1001159295	3	Hose	
44	2753634	2	Hose	
45	1001159293	1	Hose	
46	2753727	2	Hose	
47	2220373	2	Fitting, Straight JIC/ORB	
48	4100026	2 ft/ 0.61m	Sleeve	
49	2220466	3	Fitting, 90 ORB/FL	
50	2170804	1	Fitting	

SECTION 7 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	2220800	1	Fitting, Straight ORB/FL	
53	2150606	2	Fitting	
55	2130606	4	Fitting, 90 ORFS/ORB	
56	2220473	5	Fitting, 90 ORB/FL	
58	2752489	2	Hose	
61	2220940	1	Fitting, 90 ORB/FL	
63	2752466	2	Hose	
64	2717235	2	Hose	
65	2220451	1	Fitting, Straight JIC/ORB	
66	2752938	1	Hose	
67	2220671	1	Fitting, 90 JIC/ORB	
68	2220238	1	Plug	
69	8770050	1	Fitting, 90 JIC/ORB	
70	2220578	1	Fitting, 90 JIC/ORB	
72	2220374	1	Fitting, Straight JIC/ORB	
73	2220819	1	Fitting, Tee ORFS/ORFS/OBS	
74	2220371	2	Fitting, Straight JIC/ORB	
75	1001204269	1	Hose	
76	1001198333	2	Hose	
77	1001198338	1	Fitting, Tee ORFS/ORB	
78	1001215296	1	Fitting, 90 JIC/SORB	
79	1001151354	1	Hose	

FIGURE 7-10. HYDRAULIC DIAGRAM - STANDARD 800AJ



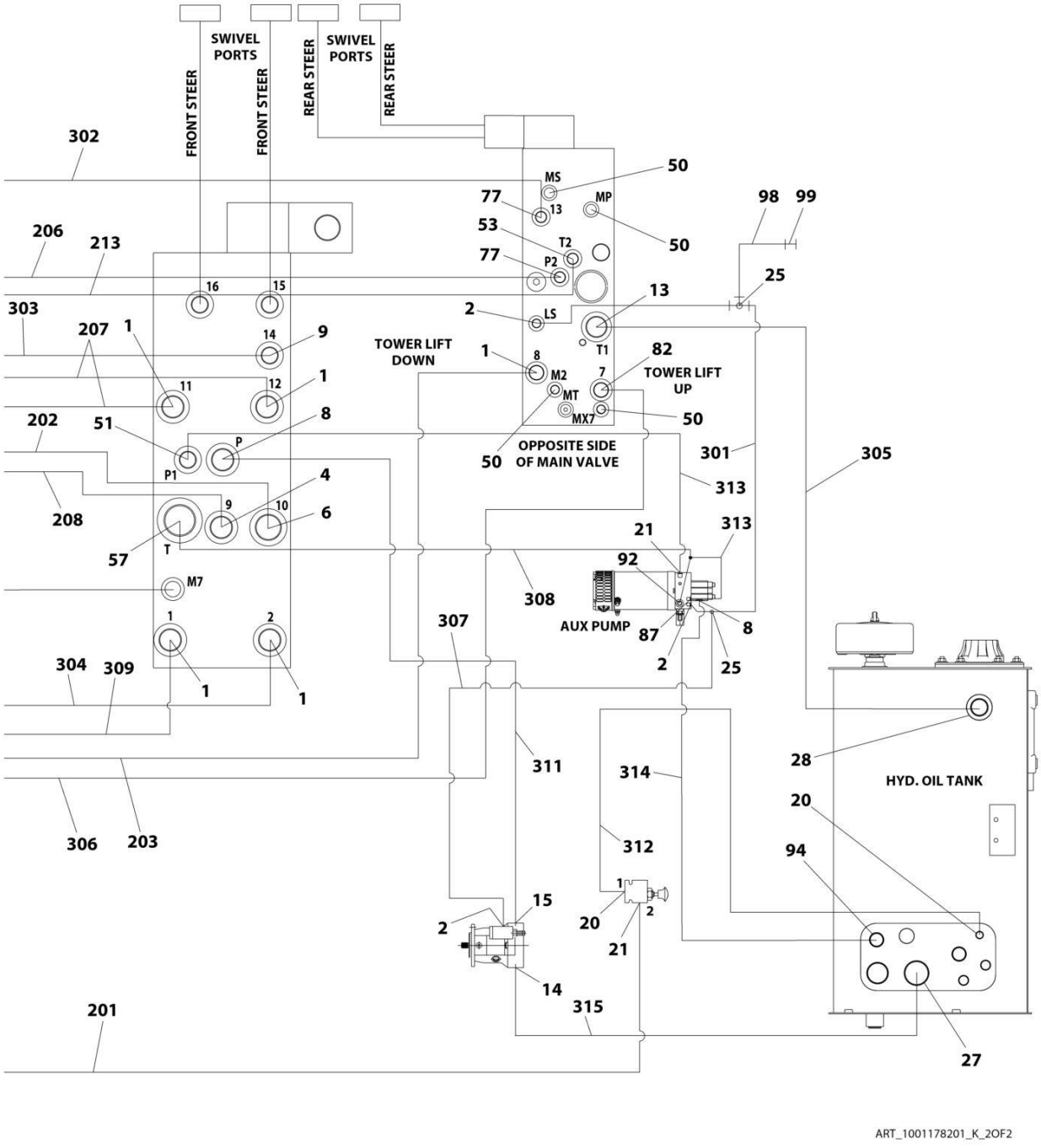

SWIVEL PORTS
FRONT STEER
FRONT STEER
REAR STEER
SWIVEL PORTS
REAR STEER
TOWER LIFT DOWN
TOWER LIFT UP
OPPOSITE SIDE OF MAIN VALVE
AUX PUMP
HYD. OIL TANK
ART_1001178201_K_2OF2

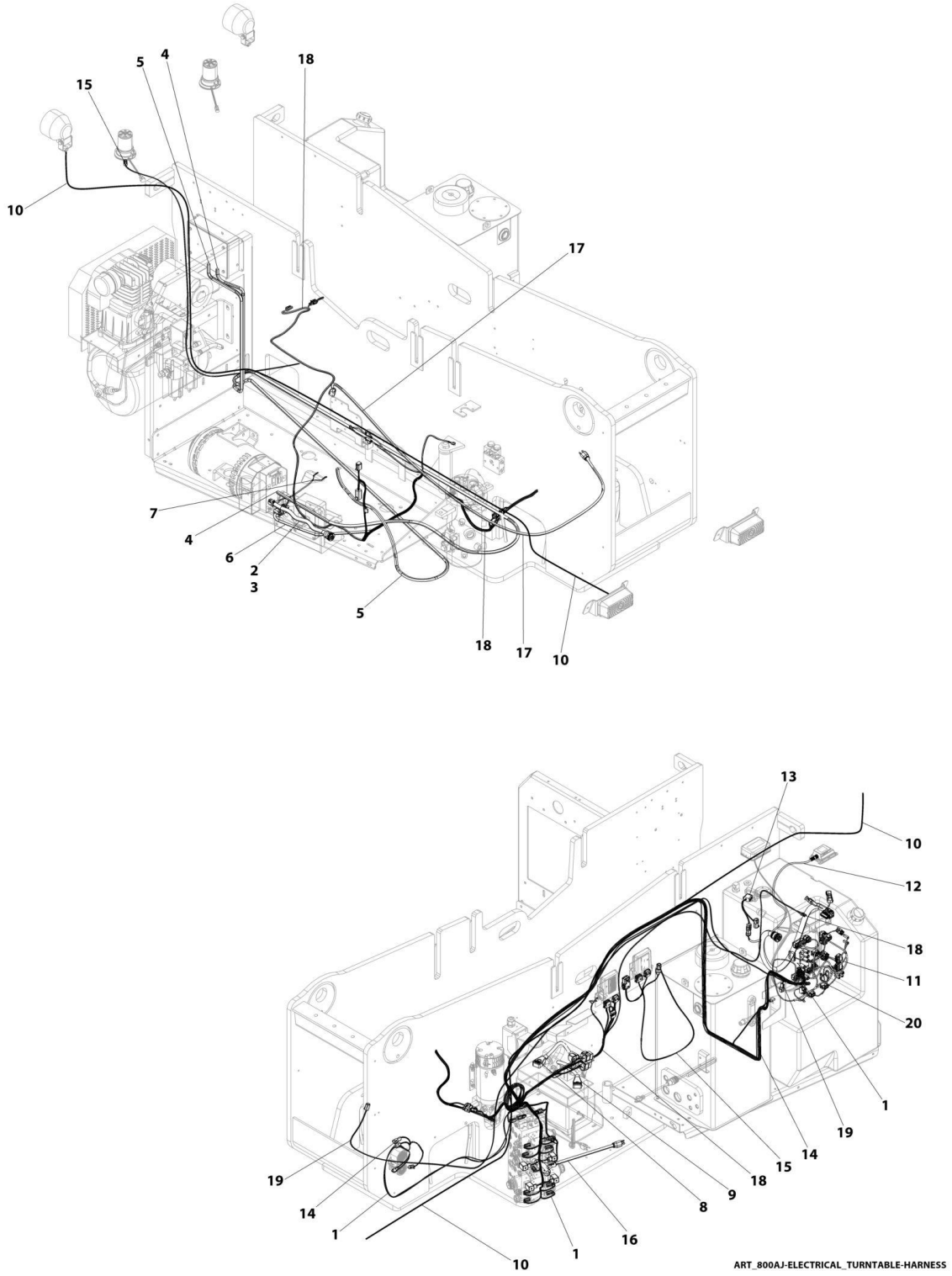
FIGURE 7-10. HYDRAULIC DIAGRAM - STANDARD 800AJ

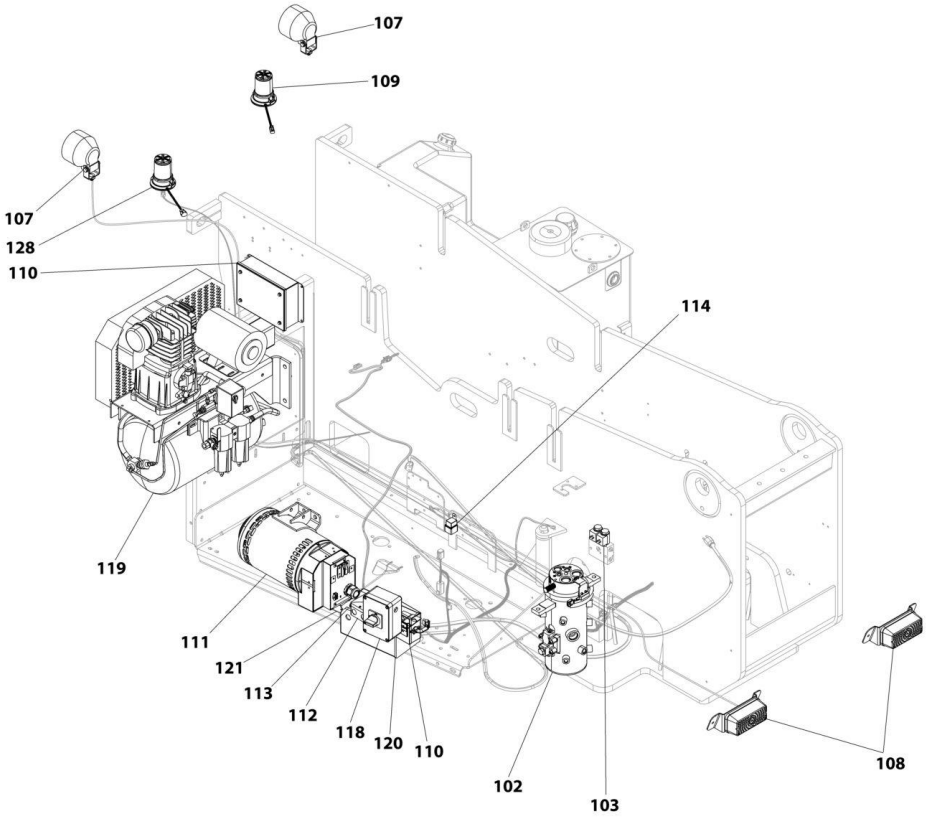
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178201	Ref	STANDARD HYDRAULIC DIAGRAM	K
1	2220381	5	Fitting, Straight ORB/FL	
2	2220415	9	Fitting, Straight ORB/FL	
4	2220373	5	Fitting, Straight ORB/FL	
5	2220500	3	Fitting, 45 ORB/FL	
6	2220947	2	Fitting, Straight ORB/FL	
7	2220600	1	Fitting, Straight JIC/ORB	
8	2220593	2	Fitting, Straight ORB/FL	
9	2220371	3	Fitting, Straight ORB/FL	
13	1001179329	1	Fitting, Straight JIC/ORB	
14	2220737	1	Split Flange Kit #24	
15	2220478	1	Split Flange Kit #16	
19	2220466	3	Fitting, 90 ORB/FL	
20	2220582	2	Fitting, Straight ORB/FL	
21	2220473	5	Fitting, 90 ORB/FL	
22	2220602	1	Fitting, Tee ORB/FL	
25	2220605	2	Fitting, Tee FL/FL	
27	2220765	1	Fitting, Straight ORB/FL	
28	2220377	1	Fitting, Straight JIC/ORB	
30	2220596	6	Fitting, 90 ORB/FL	
34	2220852	2	Fitting, Straight ORB/FL	
37	2220490	2	Fitting, Tee FL/FL	
50	2221086	4	Fitting, Diagnostic Test Port, EM3A	
51	4640780	1	Fitting, Check Valve	
53	1001136881	1	Fitting, 45 ORB/FG	
55	2220472	2	Fitting, 90 ORB/FL (800AJ)	
57	2220577	1	Fitting, Straight ORB/FL	
58	2221034	1	Fitting, Tee FL/FL/ORB	
61	4567139	1	Tube	
66	2752767	1	Hose	
68	2753190	1	Hose	
77	2220501	2	Fitting, 45 ORB/FL	
78	4567757	1	Tube	
79	4100062	4	Protection, Hose (Not Shown - Located at Tower Boom Power Track)	
81	2221036	1	Fitting, 90 ORB/FL	
82	2220950	1	Fitting, 45 ORB/FL	
87	2220603	5	Fitting, Straight ORB/FL	
92	2220899	1	Fitting, Tee ORB/FL/FL	
94	2220451	1	Fitting, Straight JIC/ORB	
96	2220468	1	Fitting, Straight JIC/ORB	
97	1001215289	1	Fitting, Tee JIC/ORB/JIC	
98	2752995	1	Hose	
99	91143177	1	Fitting - Diagnostic Test Port	
100	1001183225	1	Upper Boom Hose Kit	
101	2753126	2	Hose	
102	2753442	2	Hose	
103	1001119602	2	Hose	
104	1001155673	2	Hose	
105	1001159707	2	Hose	

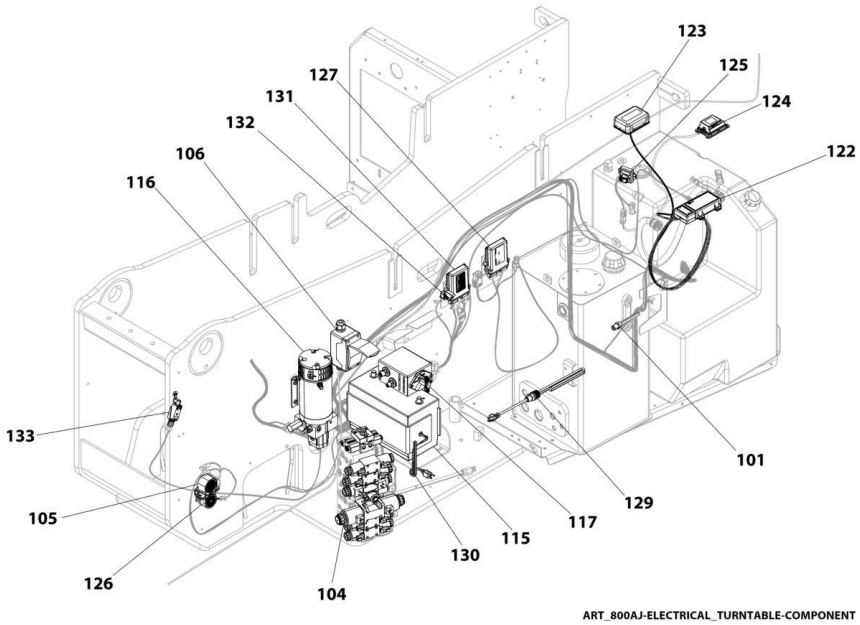
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106	1001179545	1	Hose	
107	1001179546	1	Hose	
200	1001183226	1	Lower Boom Hose Kit	
201	2752468	1	Hose	
202	2752766	1	Hose	
203	2752930	1	Hose	
204	2752978	1	Hose	
205	2753008	1	Hose	
206	2753123	1	Hose	
207	2753189	2	Hose	
208	2753191	1	Hose	
209	2753195	1	Hose	
210	2753196	1	Hose	
211	2753197	1	Hose	
212	2753199	1	Hose	
213	1001182162	1	Hose	
300	1001270089	1	Turntable Hose Kit	
301	2752434	1	Hose	
302	2752461	1	Hose	
303	2752484	1	Hose	
304	2752494	1	Hose	
305	2752723	1	Hose	
306	2752768	1	Hose	
307	2753010	2	Hose	
308	2753118	1	Hose	
309	2753192	1	Hose	
310	2753200	1	Hose	
311	2753231	1	Hose	
312	2753274	1	Hose	
313	1001109690	2	Hose	
314	1001149410	1	Hose	
315	1001179079	1	Hose	

SECTION 8 - ELECTRICAL

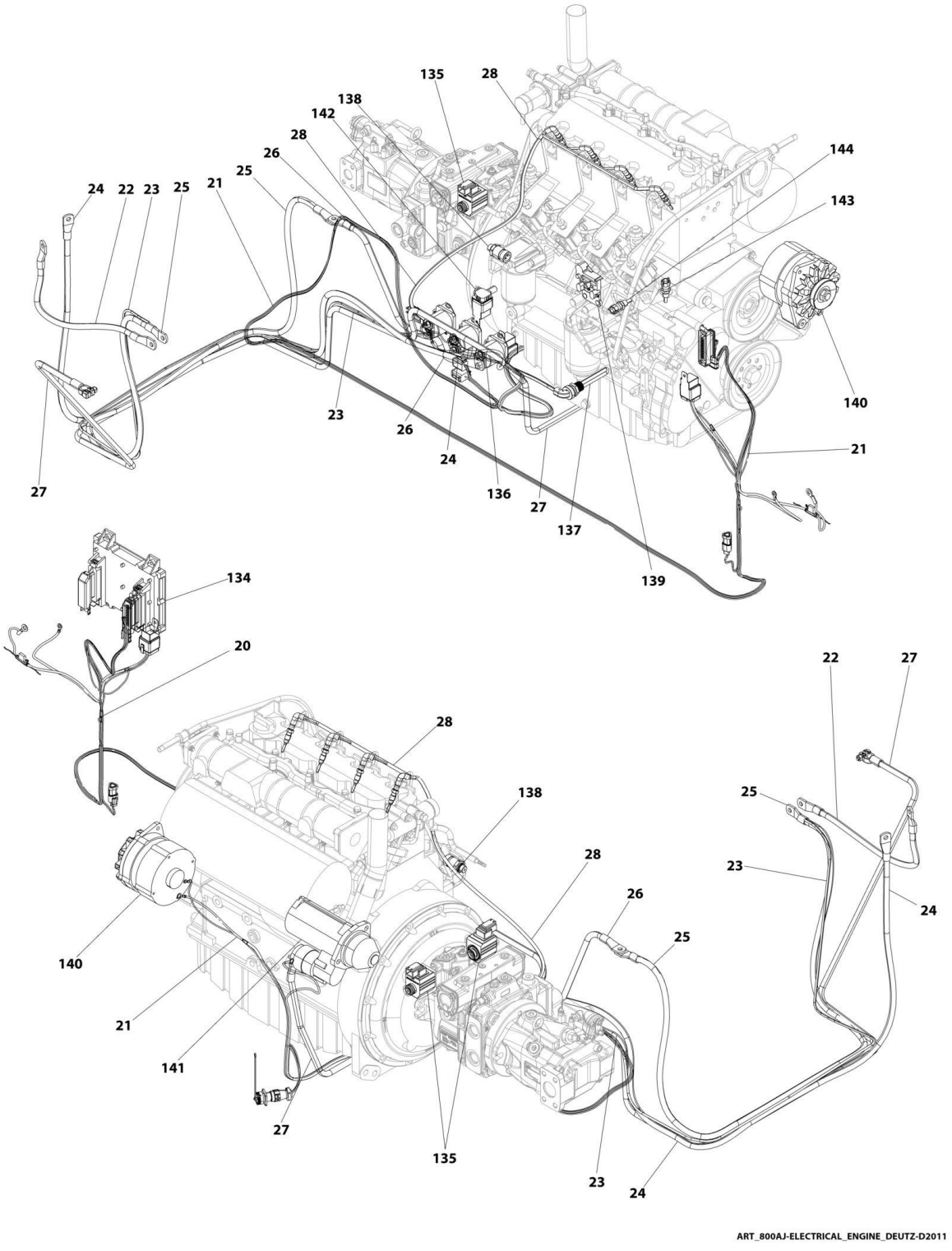
FIGURE 8-1. 800AJ ELECTRICAL LAYOUT

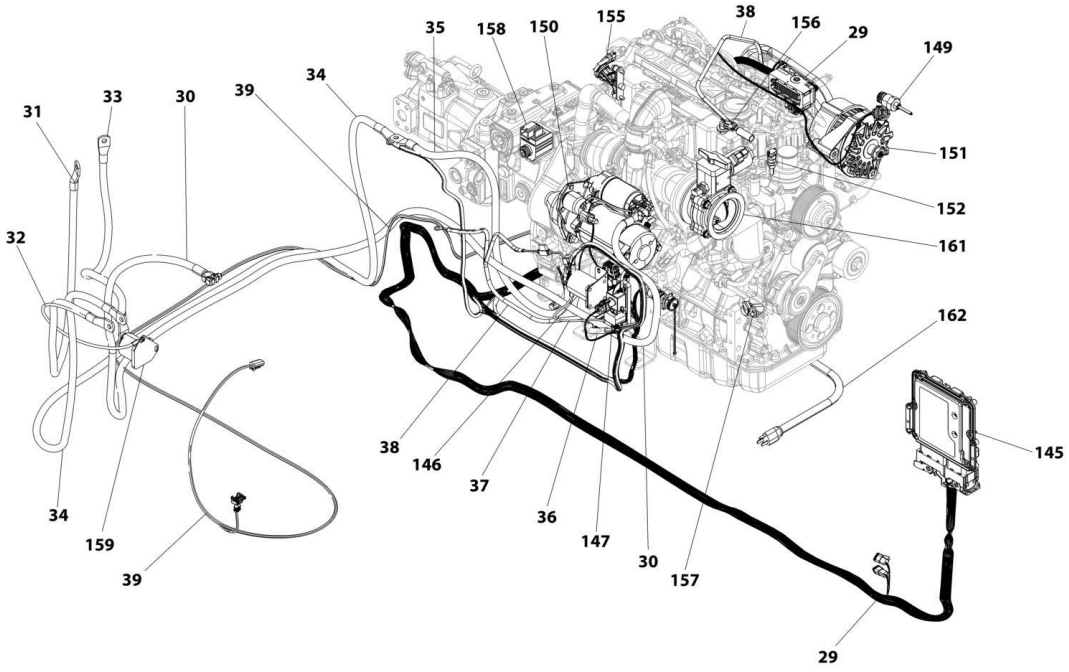


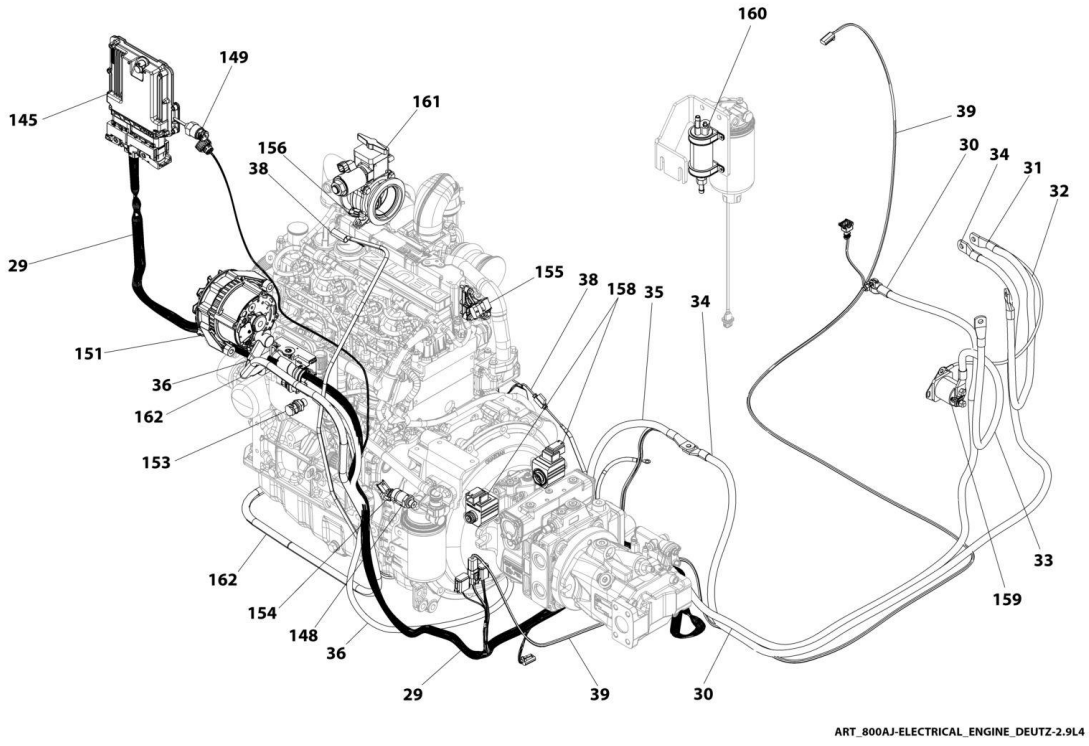

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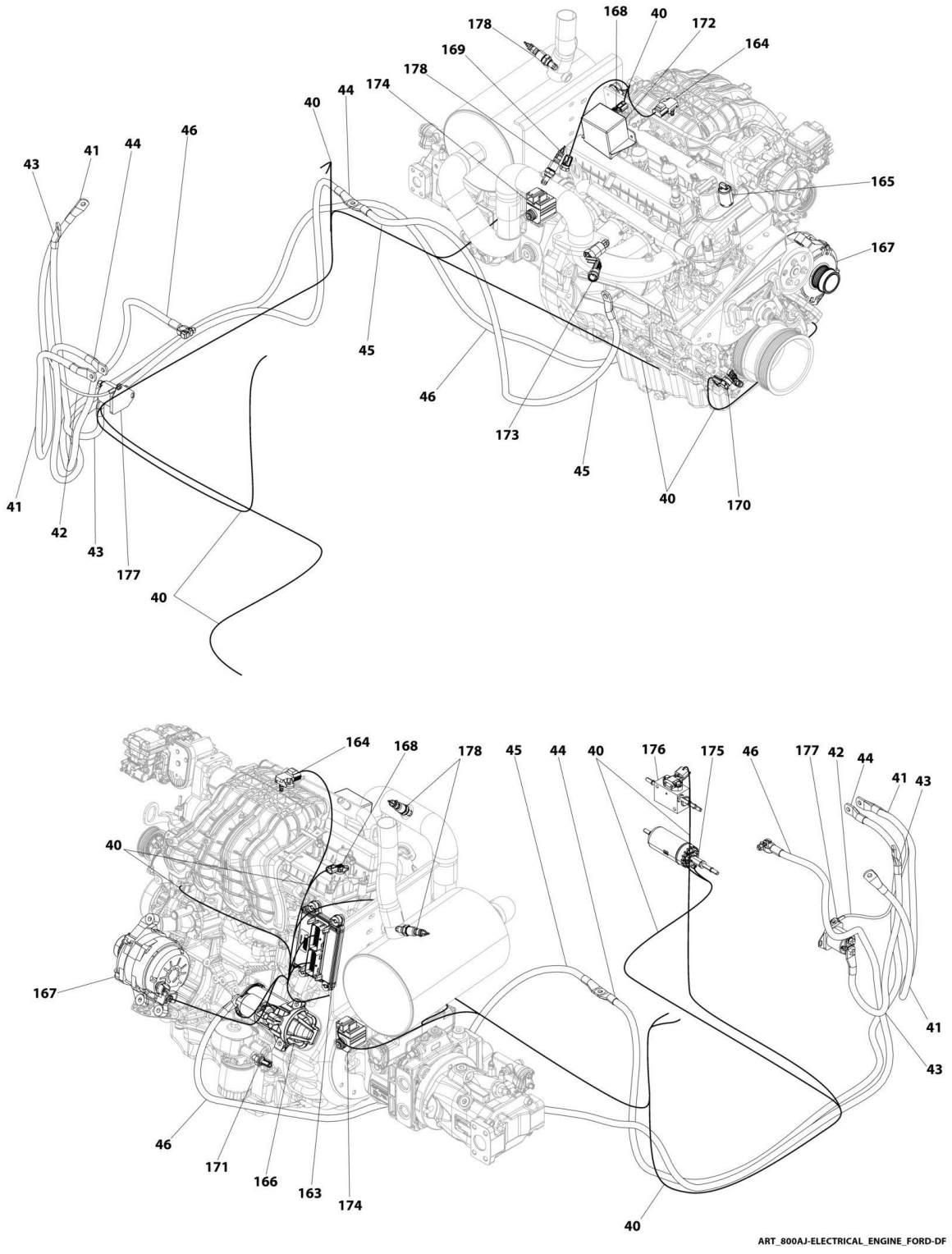
SECTION 8 - ELECTRICAL

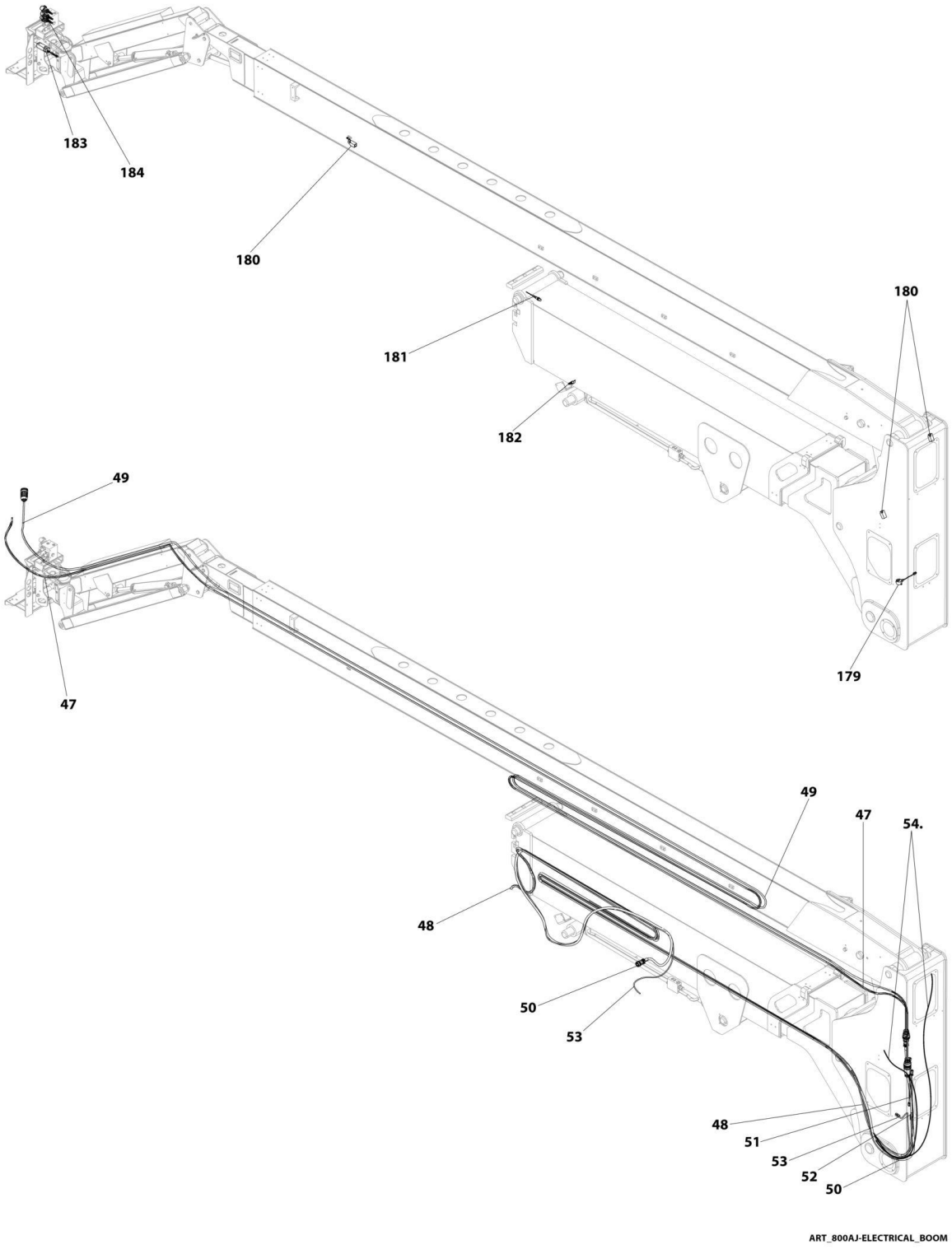



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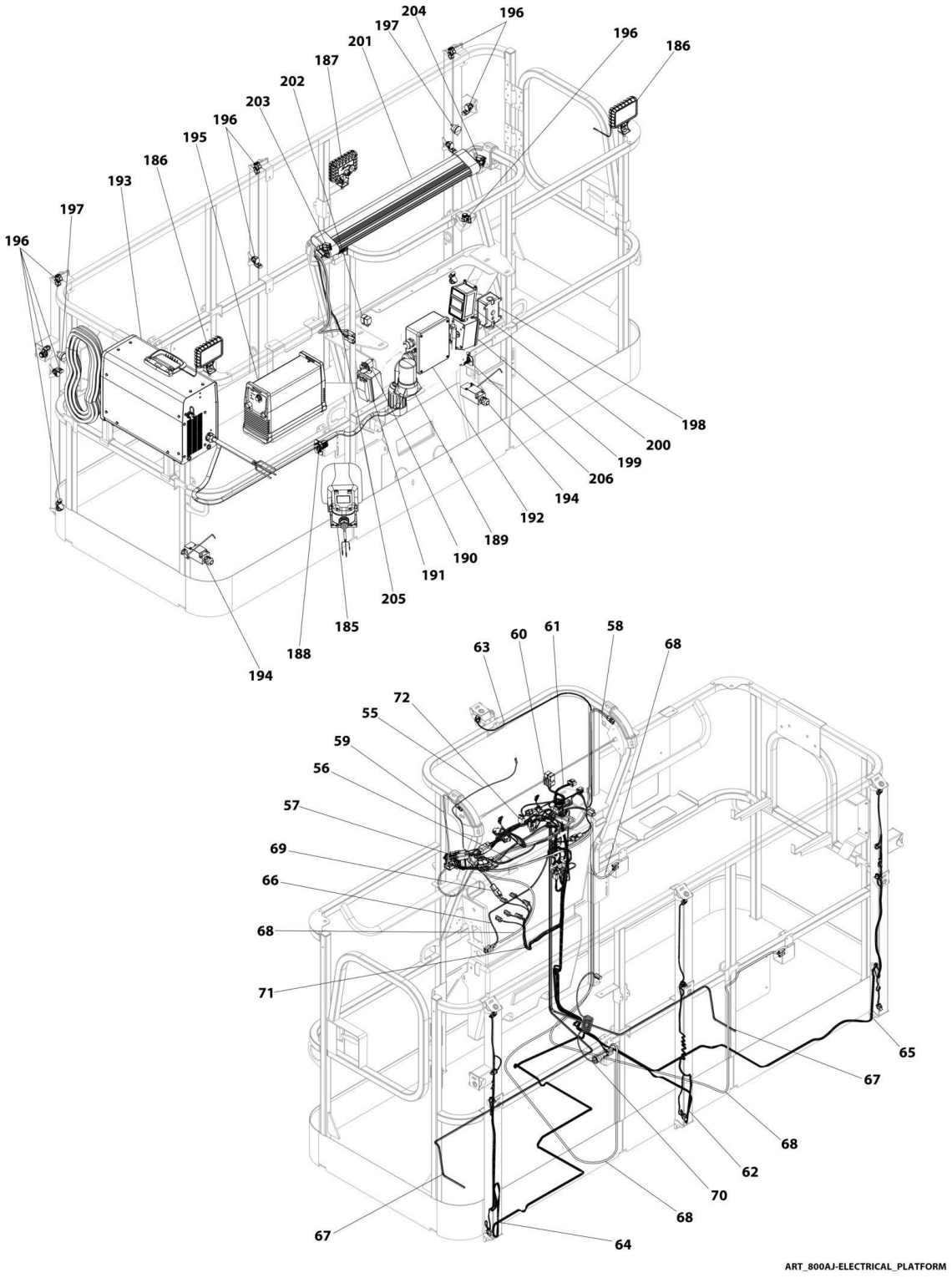

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SECTION 8 - ELECTRICAL




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SECTION 8 - ELECTRICAL



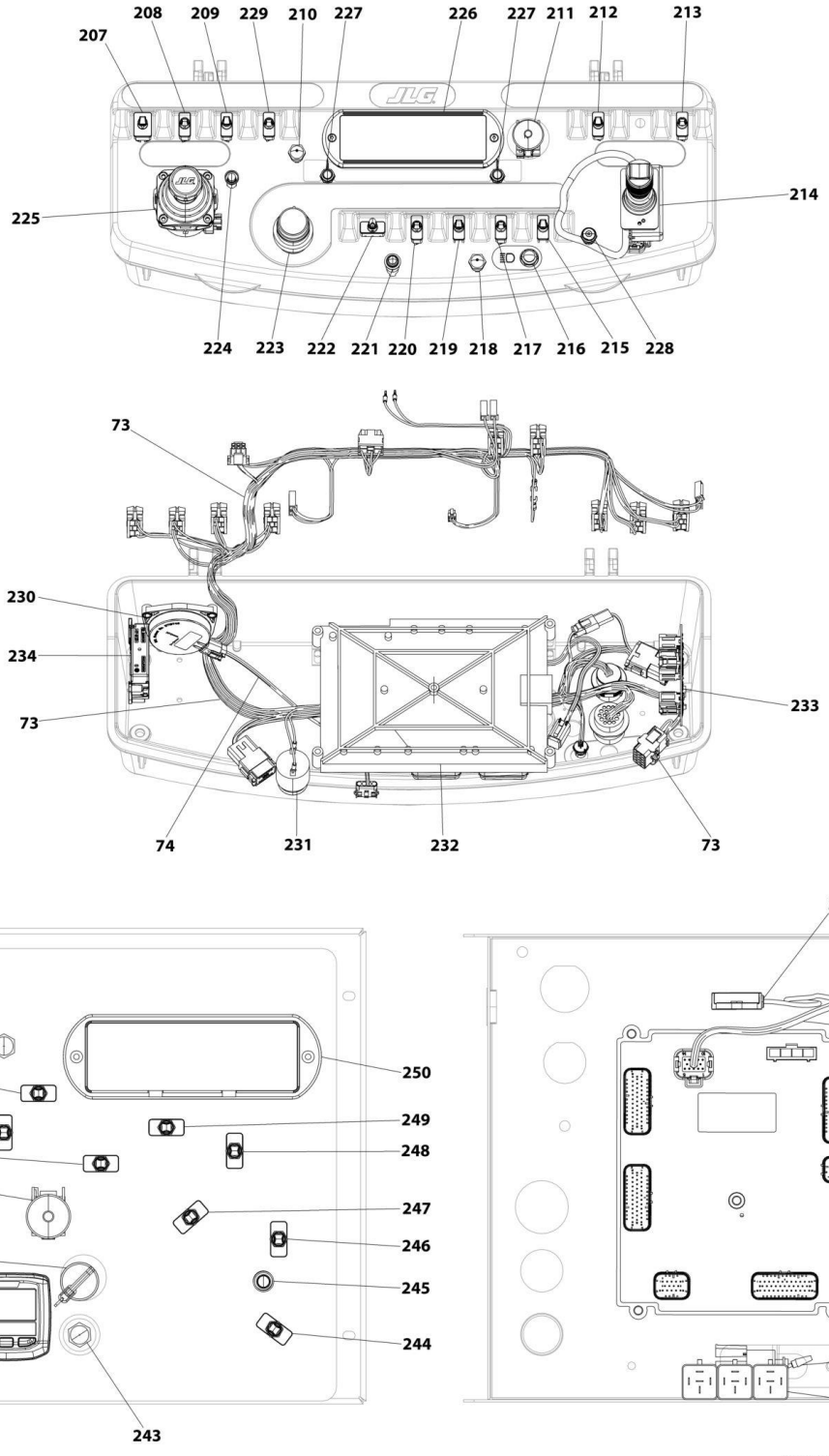

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ART_800AJ-ELECTRICAL_CONTROLS

FIGURE 8-1. 800AJ ELECTRICAL LAYOUT

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49		Ref	Cable, Boom (Upper)	
50		Ref	Cable, Boom (Lower)	
51		Ref	Harness, Communication (Upper)	
52		Ref	Harness, Communication (Lower)	
53		Ref	Harness, Tilt Sensor	
54		Ref	Harness, Proximity Sensor	
55		Ref	Harness, Platform Strobe Light	
56		Ref	Harness, SkyGuard	
57		Ref	Harness, SkyEye Intermediate	
58		Ref	Harness, SkyEye Receiver	
59		Ref	Harness, SkyEye Emitter	
60		Ref	Harness, SkyLine	
61		Ref	Harness, SkySense Main	
62		Ref	Harness, SkySense Mid Tube	
63		Ref	Harness SkySense Overhead Sensor	
64		Ref	Harness, SkySense Left Tube	
65		Ref	Harness, SkySense Right Tube	
66		Ref	Harness, USB	
67		Ref	Cable, Soft Touch	
68		Ref	Harness, Portable Work Light	
69		Ref	Harness, Portable Light Power	
70		Ref	Harness, Portable Work Light Extension	
71		Ref	Harness, Platform Valve	
72		Ref	Harness, Platform Work Light	
73		Ref	Harness, Platform Console	
74		Ref	Harness, Tilt Sensor	
75		Ref	Harness, Tilt Sensor	
		Ref	COMPONENT LIST	
101		Ref	Sensor, Fuel Level	
102		Ref	Rotary Coupling	
103		Ref	Solenoids, Axle Valve	
104		Ref	Solenoids, Main Control Valve	
105		Ref	Alarm	
106		Ref	AC Breaker Box	
107		Ref	Headlight	
108		Ref	Taillight	
109		Ref	Light, Strobe (Amber)	
110		Ref	Box, Generator Control	
111		Ref	Generator	
112		Ref	Generator Junction Box	
113		Ref	Light, Generator	
114		Ref	Relay	
115		Ref	Battery	
116		Ref	Auxiliary Pump/Motor	
117		Ref	Switch, Battery Disconnect	
118		Ref	Box, Air Compressor Control	
119		Ref	Air Compressor	
120		Ref	Transformer, Cold Weather	
121		Ref	Generator Hourmeter	
122		Ref	Module, ClearSky Telematics CANBUS	
123		Ref	Antenna, ClearSky Telematics	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
124		Ref	Module, ClearSky Telematics 3-Wire	
125		Ref	Voltage Regulator, ClearSky Telematics	
126		Ref	Alarm, White Noise	
127		Ref	Module, Strobe Control	
128		Ref	Light, Strobe	
129		Ref	Heater, Immersion	
130		Ref	Heater, Battery	
131		Ref	Module, ASOV Control	
132		Ref	Switch, ASOV	
133		Ref	Sensor, Tower Stow	
134		Ref	Module, Engine Control	
135		Ref	Solenoids, Hydrodstatic Pump	
136		Ref	Relays	
137		Ref	Heater, Engine Block	
138		Ref	Sensor, Temperature	
139		Ref	Sensor	
140		Ref	Alternator	
141		Ref	Starter	
142		Ref	Sensor, Speed	
143		Ref	Sensor, Engine Coolant Temperature	
144		Ref	Sensor, Pressure	
145		Ref	Module, Engine Control	
146		Ref	Relay	
147		Ref	Relay	
148		Ref	Sensor, Pressure	
149		Ref	Sensor, Coolant Level	
150		Ref	Starter	
151		Ref	Alternator	
152		Ref	Sensor, Engine Coolant Temperature	
153		Ref	Sensor, Pressure	
154		Ref	Sensor, Speed	
155		Ref	Sensor, Oil Pressure	
156		Ref	Sensor, Temperature	
157		Ref	Sensor, Speed	
158		Ref	Solenoids, Hydrodstatic Pump	
159		Ref	Relay	
160		Ref	Fuel Pump	
161		Ref	Air Shut Off Valve (ASOV)	
162		Ref	Heater, Engine Block	
163		Ref	Module, Engine Control	
164		Ref	Sensor, TMAP	
165		Ref	Solenoid, Timing	
166		Ref	Starter	
167		Ref	Alternator	
168		Ref	Sensor, Speed	
169		Ref	Engine Coolant Temperature Sensor	
170		Ref	Sensor, Speed	
171		Ref	Sensor, Oil Pressure	
172		Ref	Fuse Box	
173		Ref	Heater, Engine Block	
174		Ref	Solenoids, Hydrodstatic Pump	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
175		Ref	Fuel Pump	
176		Ref	Fuel Block	
177		Ref	Relay	
178		Ref	Sensor, O2	
179		Ref	Sensor, Tilt	
180		Ref	Sensor, Transport Position	
181		Ref	Sensor, Proximity	
182		Ref	Sensor, Proximity	
183		Ref	Cell, Load Sensing	
184		Ref	Solenoids, Platform Valve	
185		Ref	Footswitch	
186		Ref	Platform Work Light	
187		Ref	Portable Work Light	
188		Ref	AC Receptacle	
189		Ref	Light, Platform Strobe	
190		Ref	Switch, Generator	
191		Ref	AC Receptacle	
192		Ref	Junction Box	
193		Ref	Welding Machine	
194		Ref	Switch, Soft Touch Limit	
195		Ref	Plasma Cutter	
196		Ref	Sensor, SkySense	
197		Ref	Alarm	
198		Ref	AC Receptacle	
199		Ref	AC Receptacle	
200		Ref	AC Receptacle/Breaker Box	
201		Ref	Switch, SkyGuard	
202		Ref	Relay	
203		Ref	Sensor, SkyEye Receiver	
204		Ref	Sensor, SkyEye Emitter	
205		Ref	Sensor, SkyLine Proximity	
206		Ref	USB Receptacle	
207		Ref	Switch, Drive Speed/ Torque Select	
208		Ref	Switch, Steer Select	
209		Ref	Switch, Platform Leveling Override	
210		Ref	Switch, Horn	
211		Ref	Switch, Emergency Stop	
212		Ref	Switch, Start/Auxilliary Power	
213		Ref	Switch, Drive Orientation Override	
214		Ref	Controller, Drive/Steer	
215		Ref	Switch, Boom Telescope	
216		Ref	Switch, Lights	
217		Ref	Switch, Jib Up/Down	
218		Ref	Switch, Soft Touch/SkyGuard/SkySense Override	
219		Ref	Switch, Tower Telescope	
220		Ref	Switch, Tower Lift	
221		Ref	Light, Soft Touch/SkyGuard/SkySense Indicator	
222		Ref	Switch, Platform Rotate	
223		Ref	Switch, Function Speed Control	
224		Ref	Light, Boom Stow Indicator	
225		Ref	Controller, Main Lift/Swing	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
226		Ref	Display, Platform	
227		Ref	Light, SkySense Indicator	
228		Ref	Switch, SkySense	
229		Ref	Switch, Fuel Select	
230		Ref	Sensor, Tilt	
231		Ref	Alarm	
232		Ref	Module, Platform	
233		Ref	Module, SkySense Control	
234		Ref	Module, SkySense Sensor	
235		Ref	Switch, Diesel Particulate Filter (DPF)	
236		Ref	Switch, Platform Rotate	
237		Ref	Switch, Platform Leveling Override	
238		Ref	Switch, Jib Up/Down	
239		Ref	Switch, Emergency Stop	
240		Ref	Switch, Engine Start/ Auxiliary Power	
241		Ref	Switch, Key	
242		Ref	Display, Ground	
243		Ref	Switch, Machine Safety System Override (MSSO)	
244		Ref	Switch, Turntable Swing	
245		Ref	Light, Boom Stow/ASOV Indicator	
246		Ref	Switch, Tower Lift	
247		Ref	Switch, Tower Telescope	
248		Ref	Switch, Boom Lift	
249		Ref	Switch, Boom Telescope	
250		Ref	Indicator Panel	
251		Ref	Module, Ground Control	
252		Ref	Sensor, Tilt	
253		Ref	Relay	
254		Ref	Switch, Cribbing	

FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V GFI RECEPTACLE (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

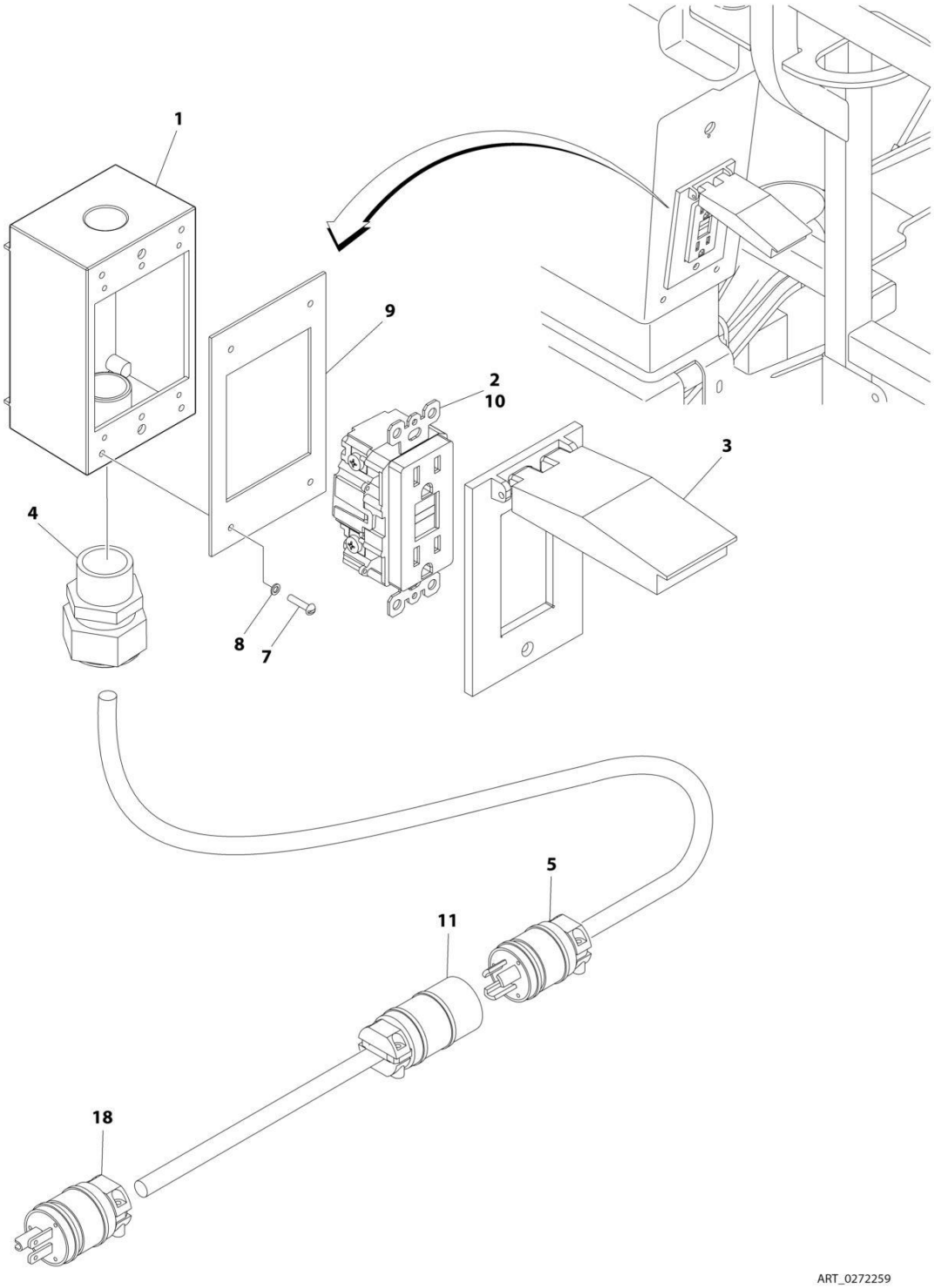


FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V GFI RECEPTACLE (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272259	Ref	AC BOX AT PLATFORM INSTALLATION - 110V GFI RECEPTACLE	C
1	0860038	1	Box, Switch	
2	4460346	1	Receptacle	
3	1001110873	1	Shield, Cover	
4	4460051	1	Connector, Strain Relief	
5	1001213584	1	Plug, Male	
7	3910610	4	Screw #6 x 5/8	
8	4760600	4	Washer #6	
9	3960422	1	Gasket	
10	4460315	3	Terminal, Spade	
11	1001213585	1	Receptacle, Female	
18	4460205	1	Plug, Male	

FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI, CSA & JAPANESE SPECS)

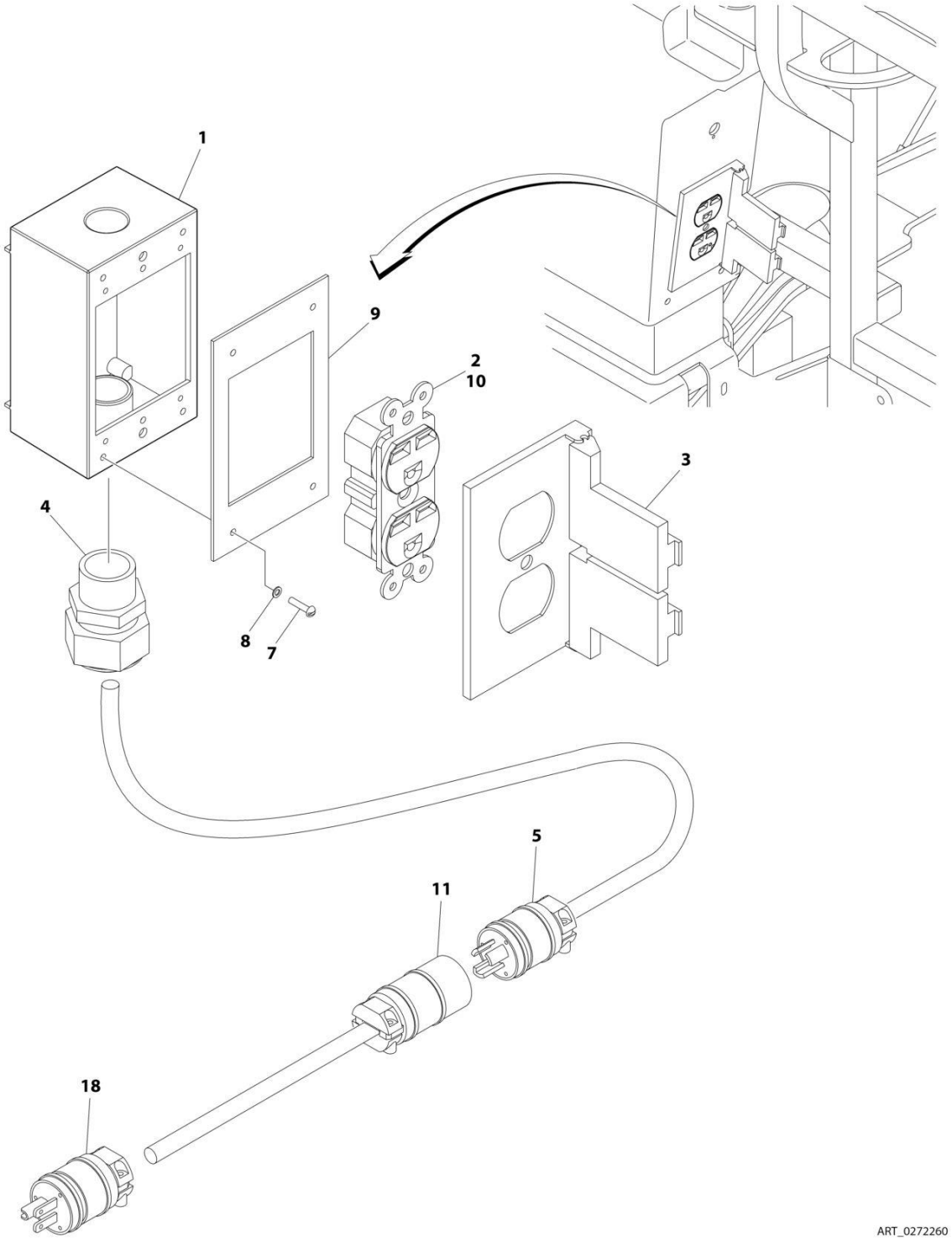
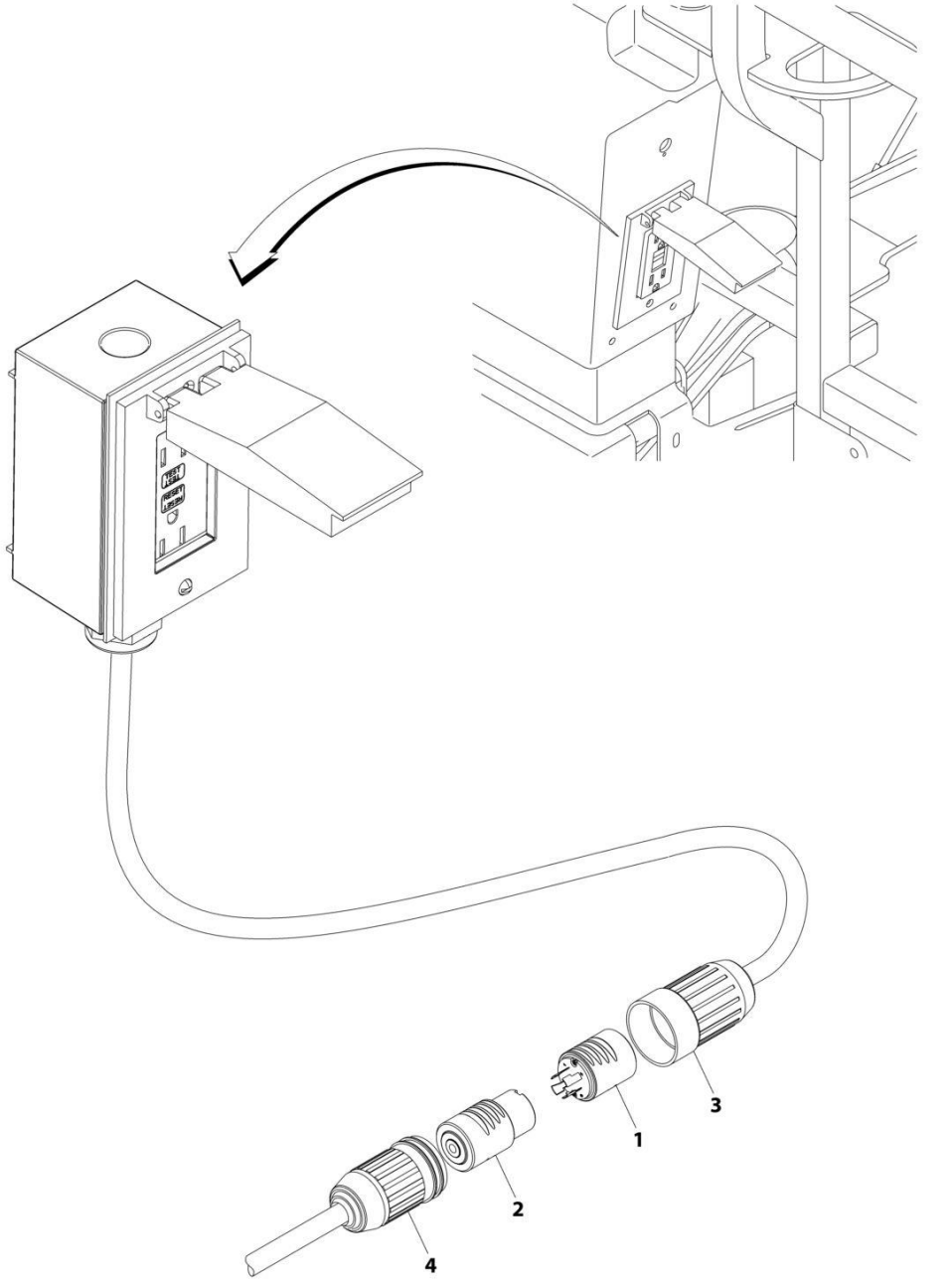


FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI, CSA & JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272260	Ref	AC BOX AT PLATFORM INSTALLATION - 220V	C
1	0860038	1	Box, Switch	
2	4460125	1	Receptacle	
3	4060092	1	Shield	
4	4460051	1	Connector, Strain Relief	
5	1001213584	2	Plug, Male	
7	3910610	4	Screw #6 x 5/8	
8	4760600	4	Washer #6	
9	3960422	1	Gasket	
10	4460315	1	Terminal, Spade	
11	1001213585	1	Receptacle, Female	
18	4460233	1	Plug, Male	

FIGURE 8-4. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITH 4000W/60HZ GENERATOR) (ANSI, ANSI EXPORT, CHINA, CSA & JAPANESE SPECS)



ART_1001160272

FIGURE 8-4. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITH 4000W/60HZ GENERATOR) (ANSI, ANSI EXPORT, CHINA, CSA & JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160272	Ref	AC CABLE CONNECTOR INSTALLATION – 4000W GENERATOR	A
1	4460962	1	Plug, Male	
2	4460963	1	Connector	
3	1671092	1	Cover	
4	1671093	1	Plug	

FIGURE 8-5. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITHOUT 7500W SKYPOWER GENERATOR) (ALL SPECS EXCEPT ANSI & CSA SPECS)

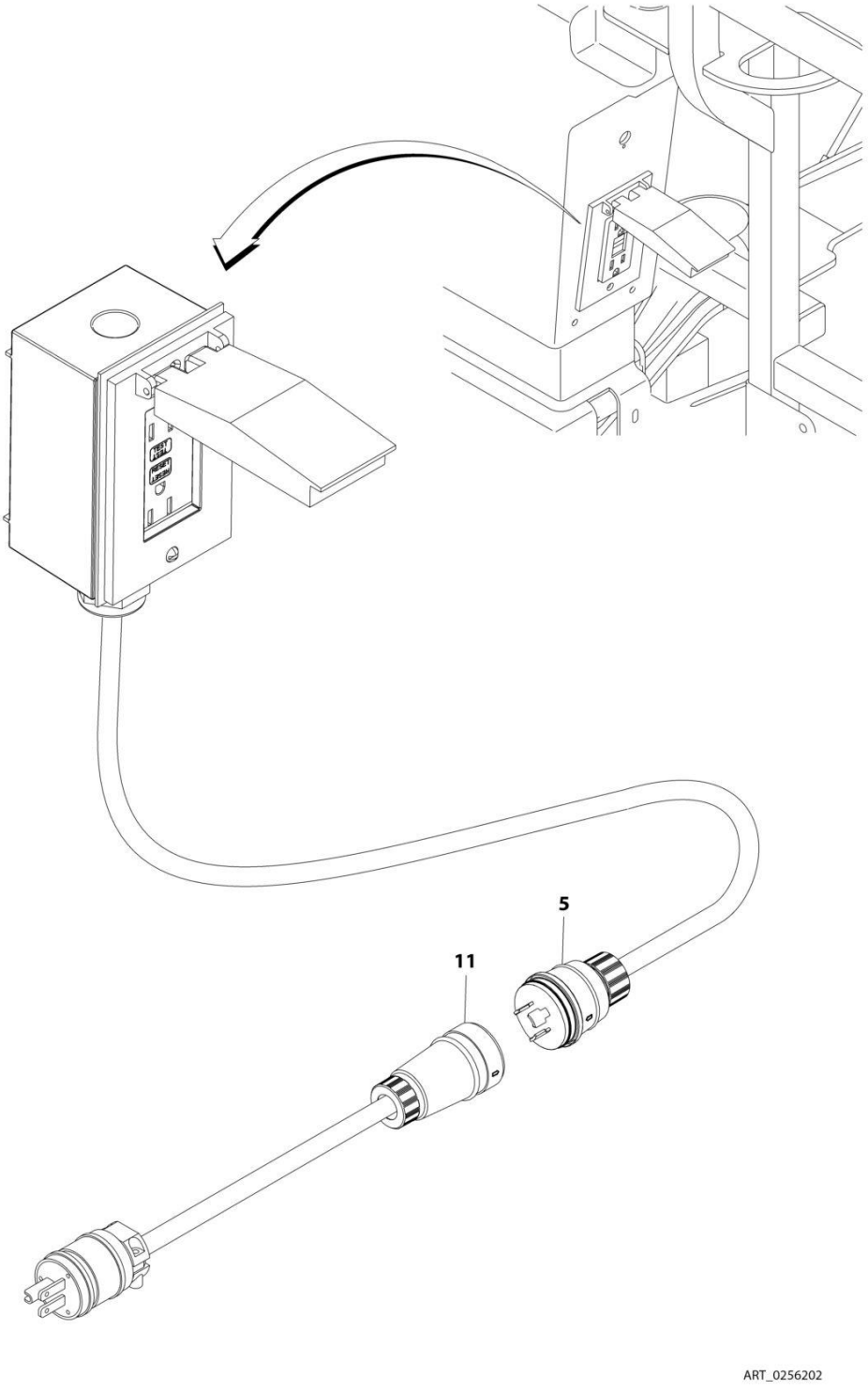


FIGURE 8-5. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITHOUT 7500W SKYPOWER GENERATOR) (ALL SPECS EXCEPT ANSI & CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0256202	Ref	AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION	D
5	1001213584	1	Plug	
11	1001213585	1	Receptacle	

FIGURE 8-6. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITH 7500W SKYPOWER GENERATOR)

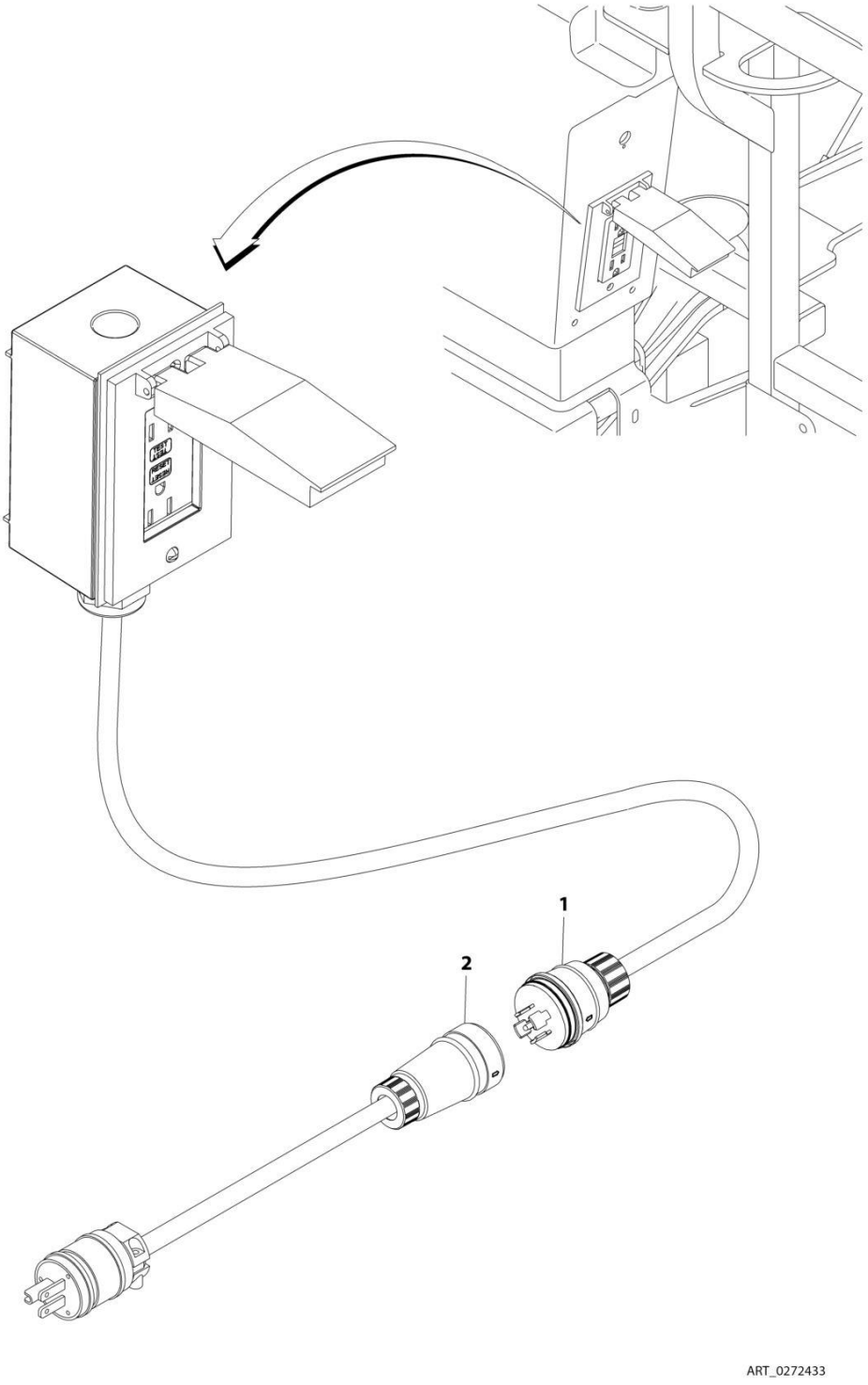


FIGURE 8-6. AC BOX AT PLATFORM MID-BOOM PLUG INSTALLATION (WITH 7500W SKYPOWER GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272433	Ref	AC CABLE INSTALLATION - 110V/220V	D
1	1001218622	1	Plug, Male	
2	1001218623	1	Plug, Female	

FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

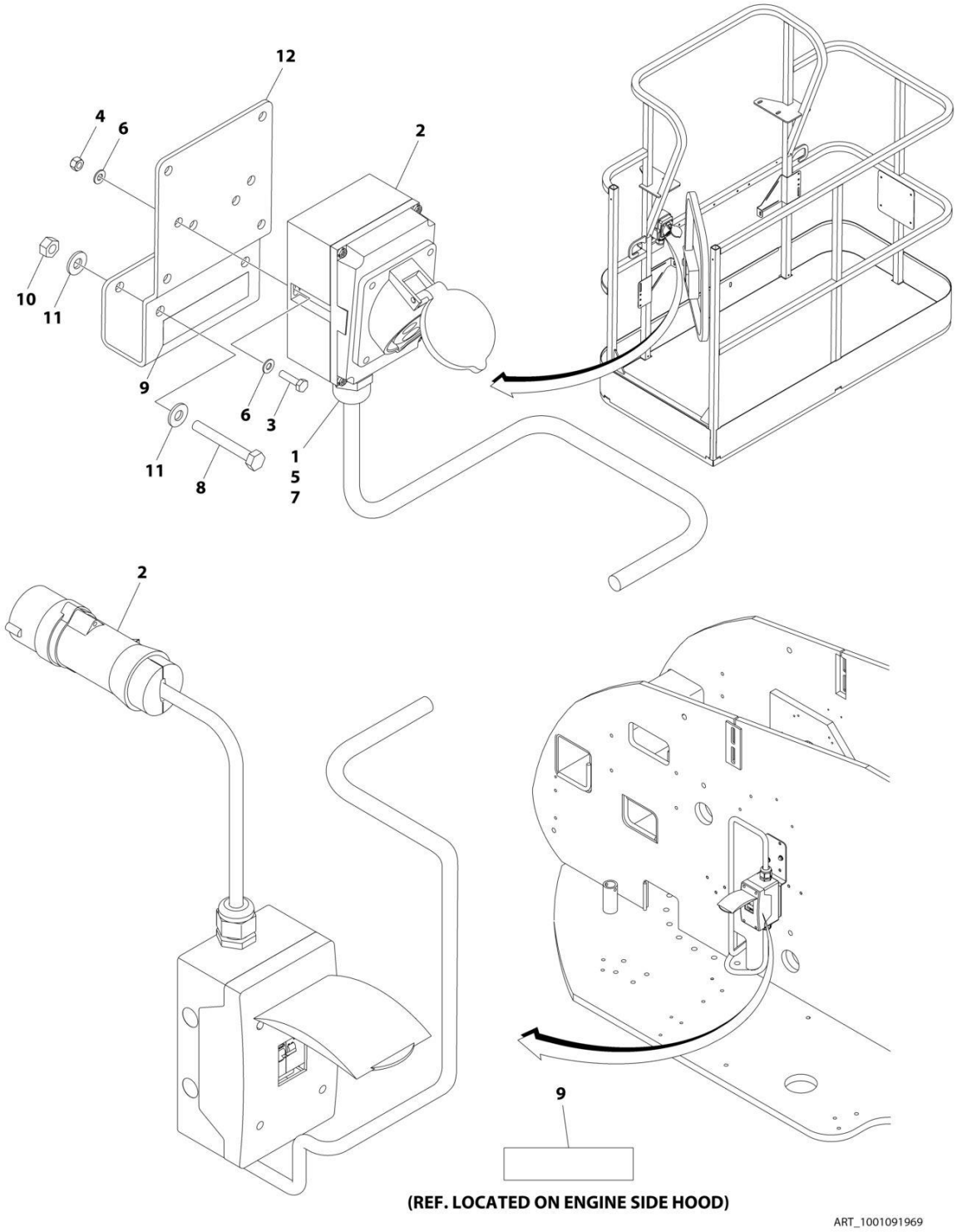


FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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	

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

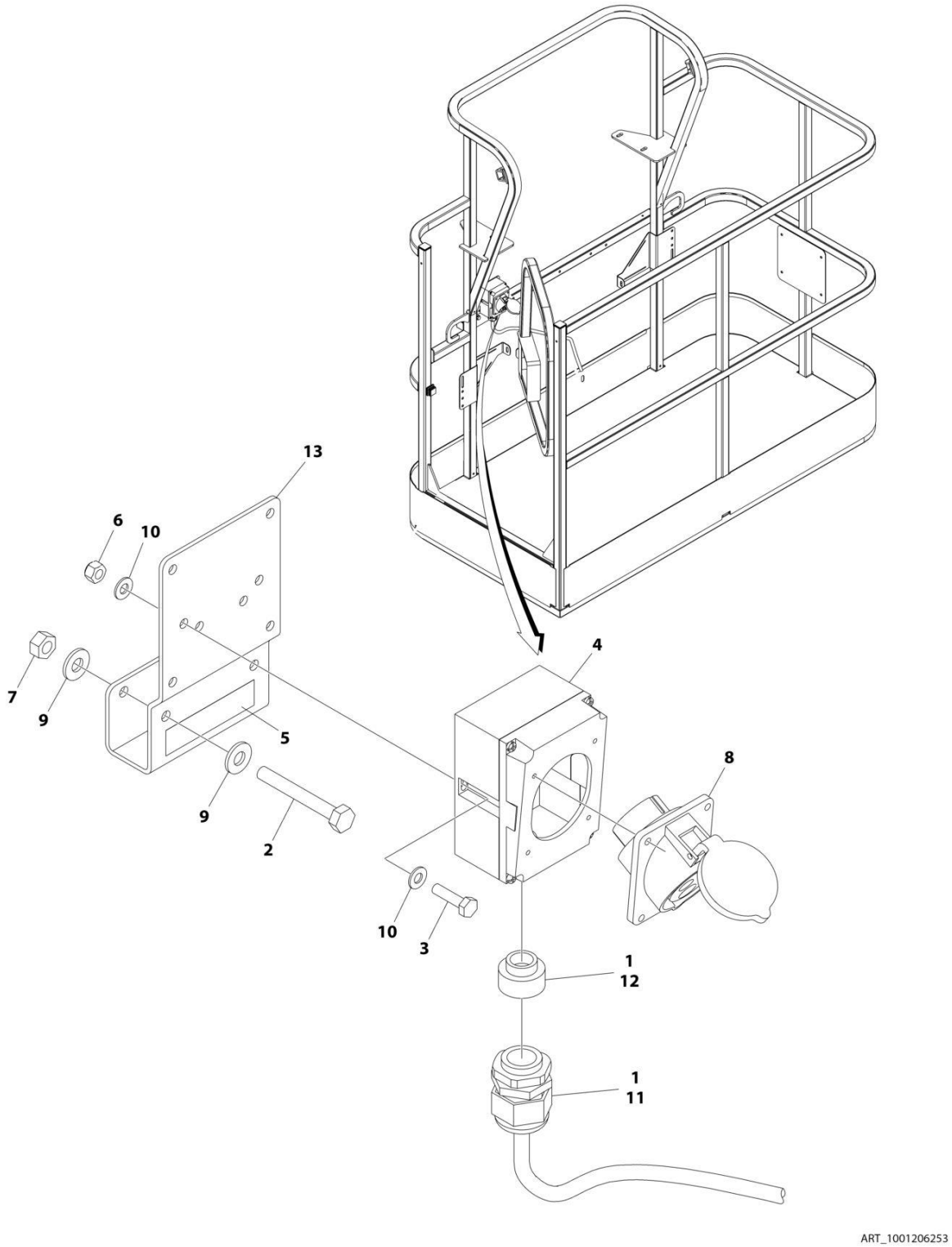


FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206253	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 4000W GENERATOR	A
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	4461198	1	Receptacle	
9	4711400	4	Washer 1/4	
10	4811400	4	Washer M4	
11	1001101191	1	Connector, Strain Relief	
12	1001101196	1	Adapter	
13	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

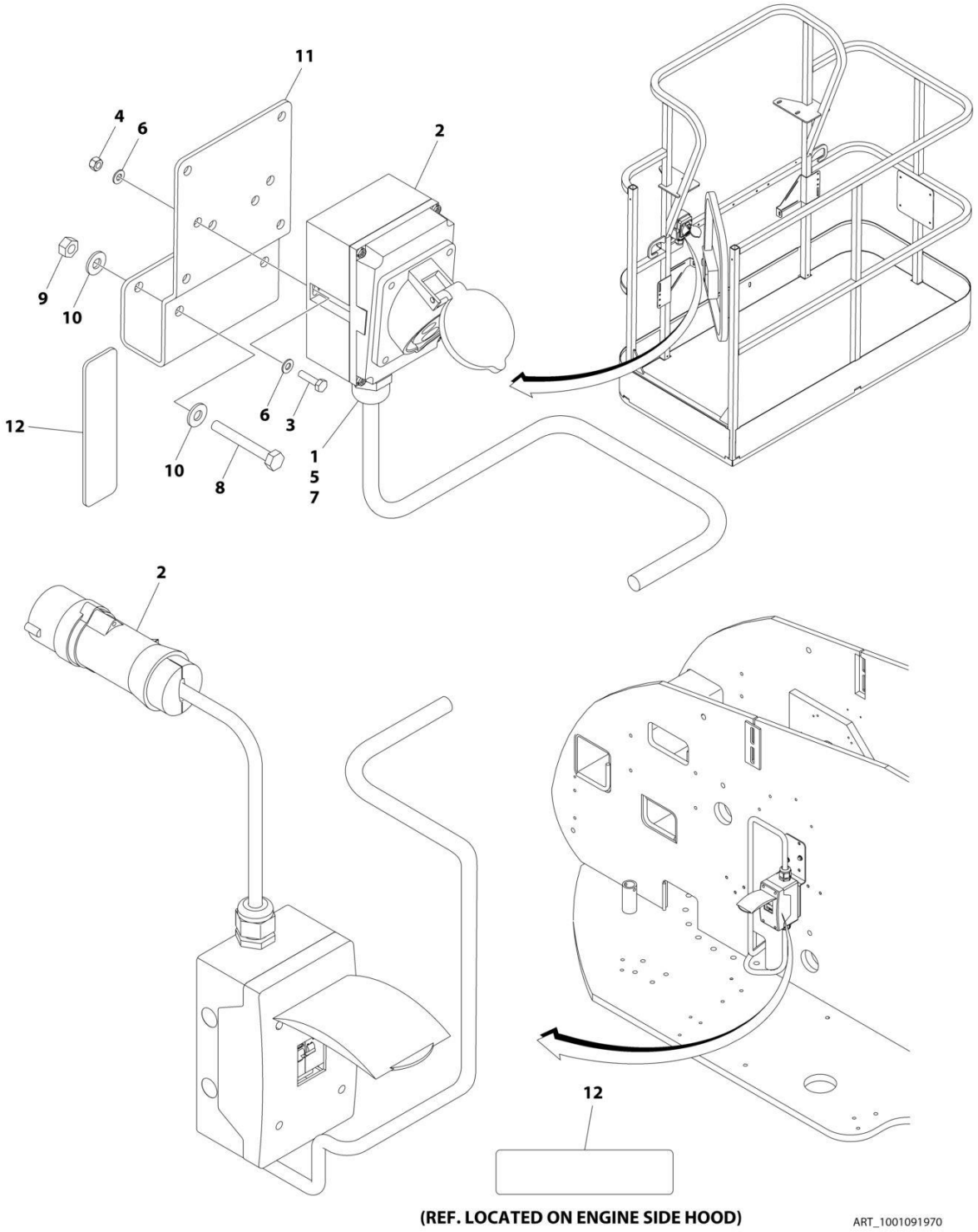


FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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	

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

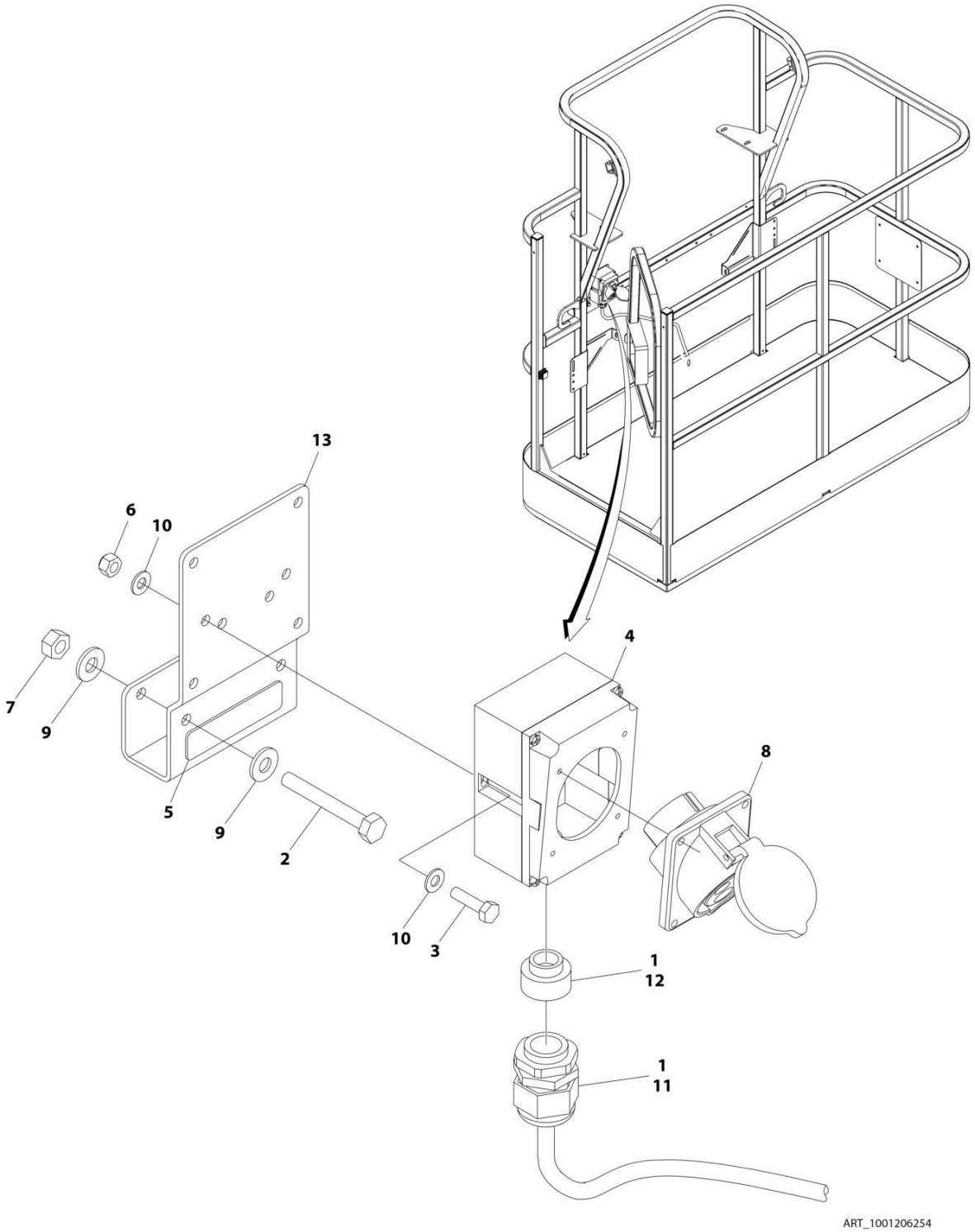


FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206254	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE	A
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	4461201	1	Receptacle	
9	4711400	4	Washer 1/4	
10	4811400	4	Washer M4	
11	1001101191	1	Connector, Strain Relief	
12	1001101196	1	Adapter	
13	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

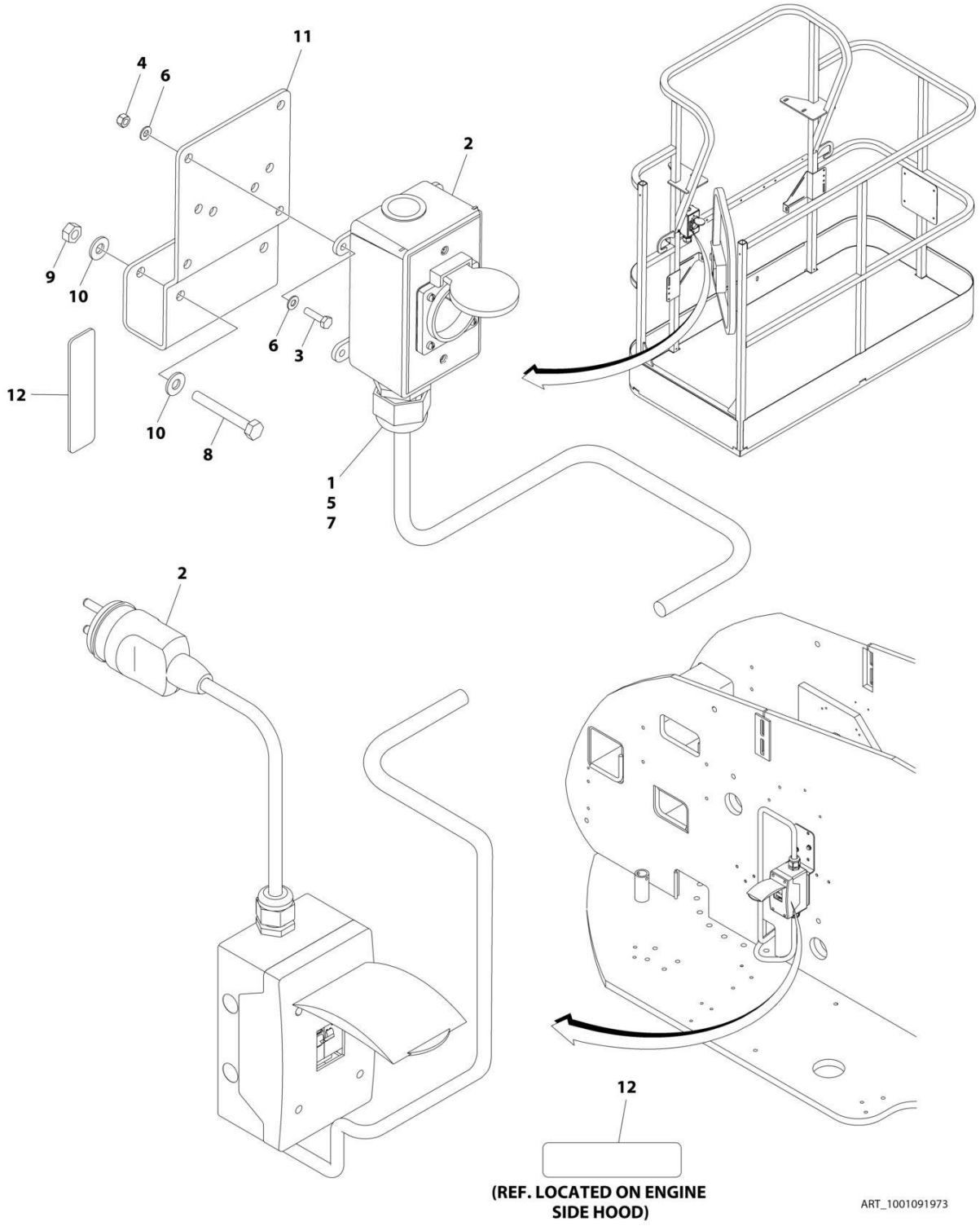


FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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)	

FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

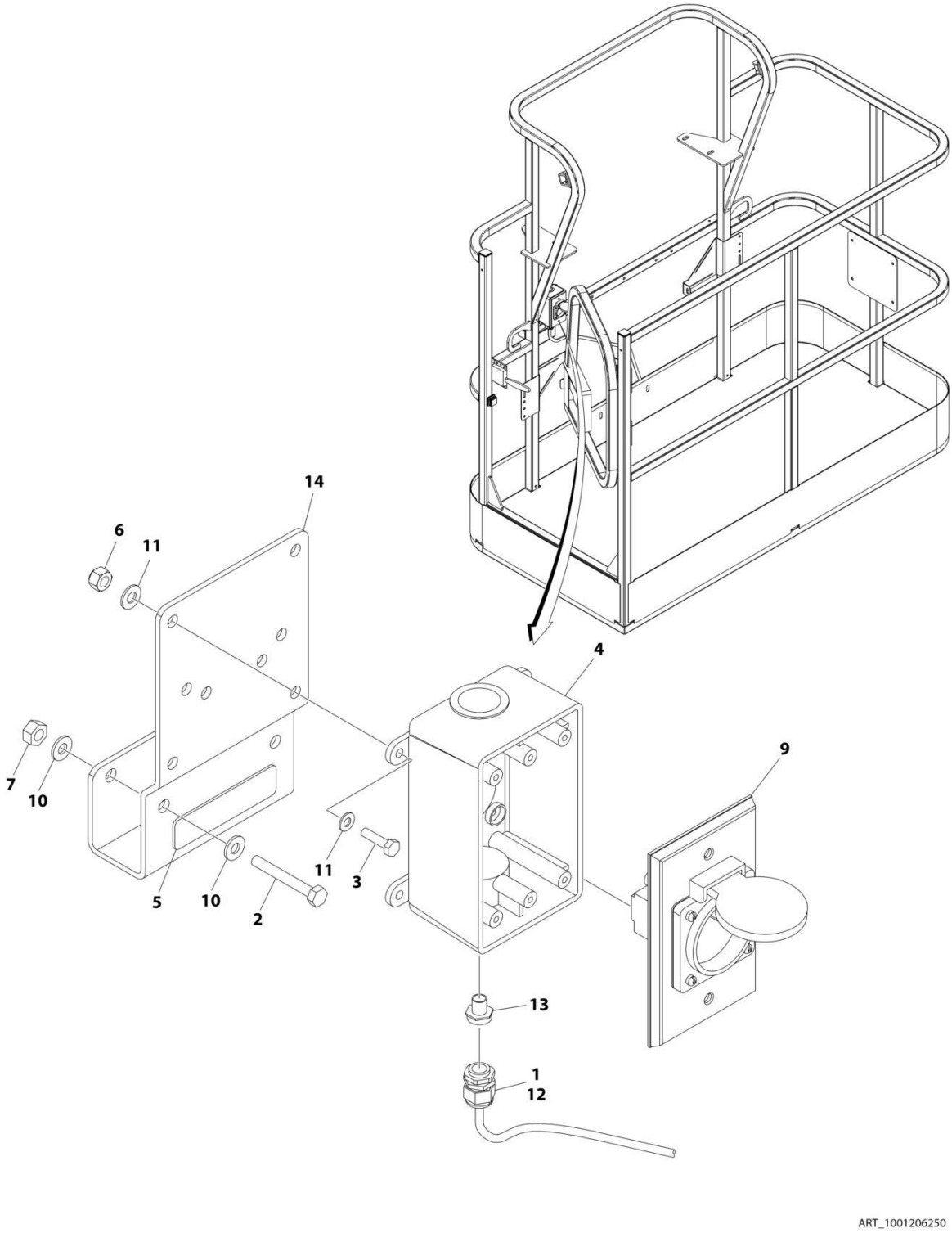


FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206250	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX POST GROUND	A
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	4460806	2	Terminal, Fork (Not Shown)	
9	4461244	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001101191	1	Connector, Strain Relief	
13	1001101197	1	Adapter	
14	1001193018	1	Bracket, AC Receptacle	
15	1001205958	1	Terminal (Not Shown)	

FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

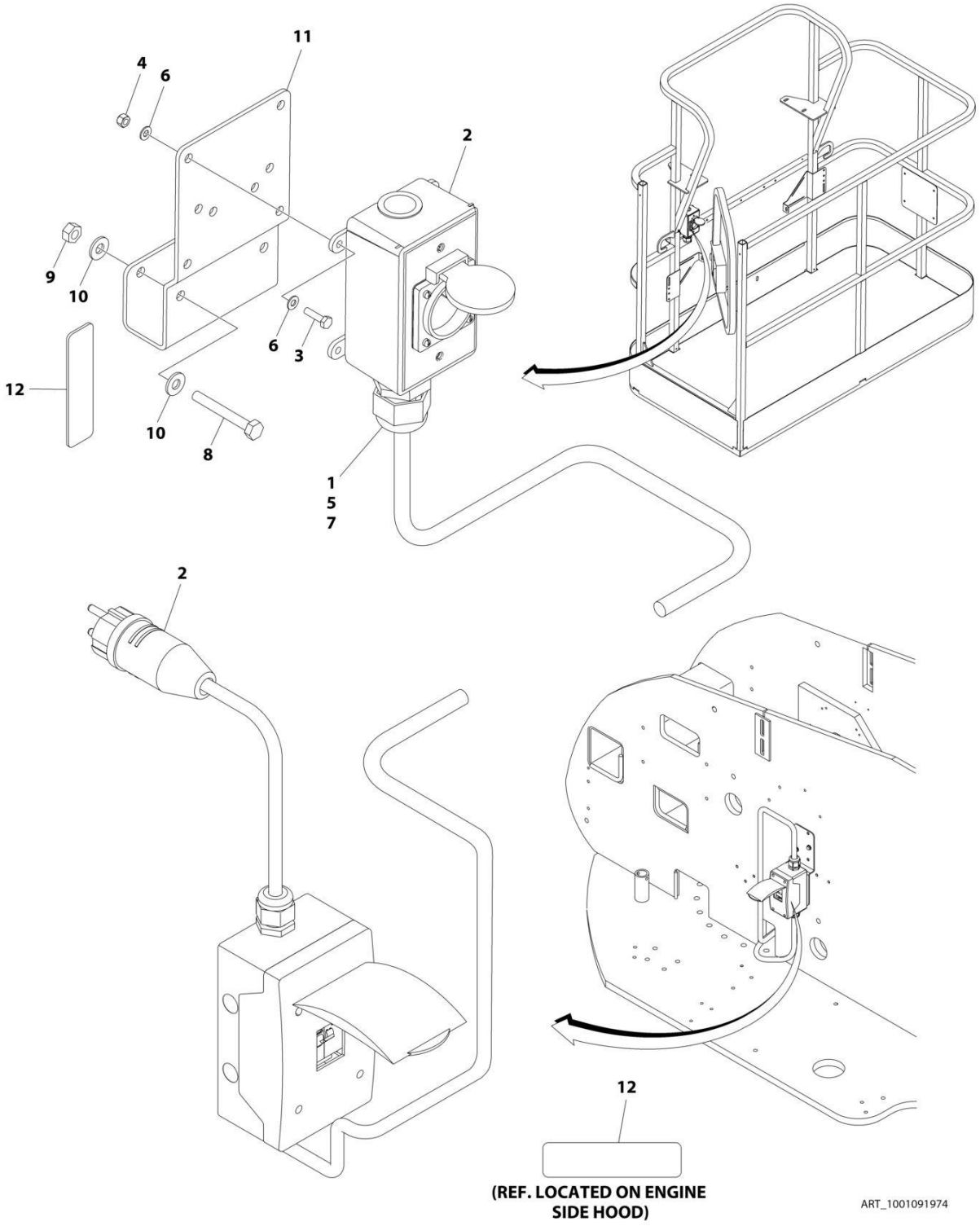


FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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)	

FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

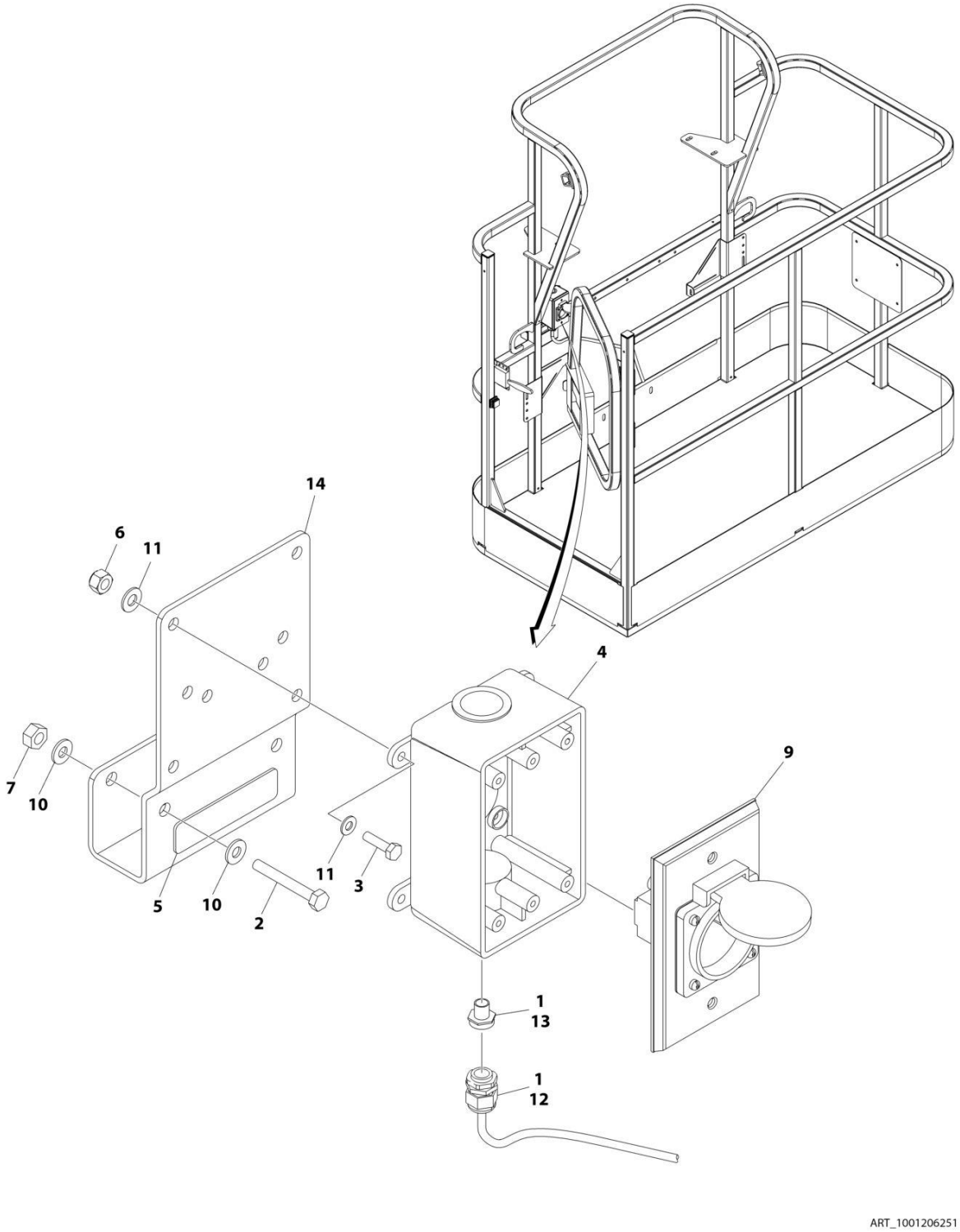


FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206251	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX SIDE GROUND	A
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	4460806	2	Terminal, Fork (Not Shown)	
9	4461245	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001101191	1	Connector, Strain Relief	
13	1001101197	1	Adapter	
14	1001193018	1	Bracket, AC Receptacle	
15	1001205958	1	Terminal (Not Shown)	

FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

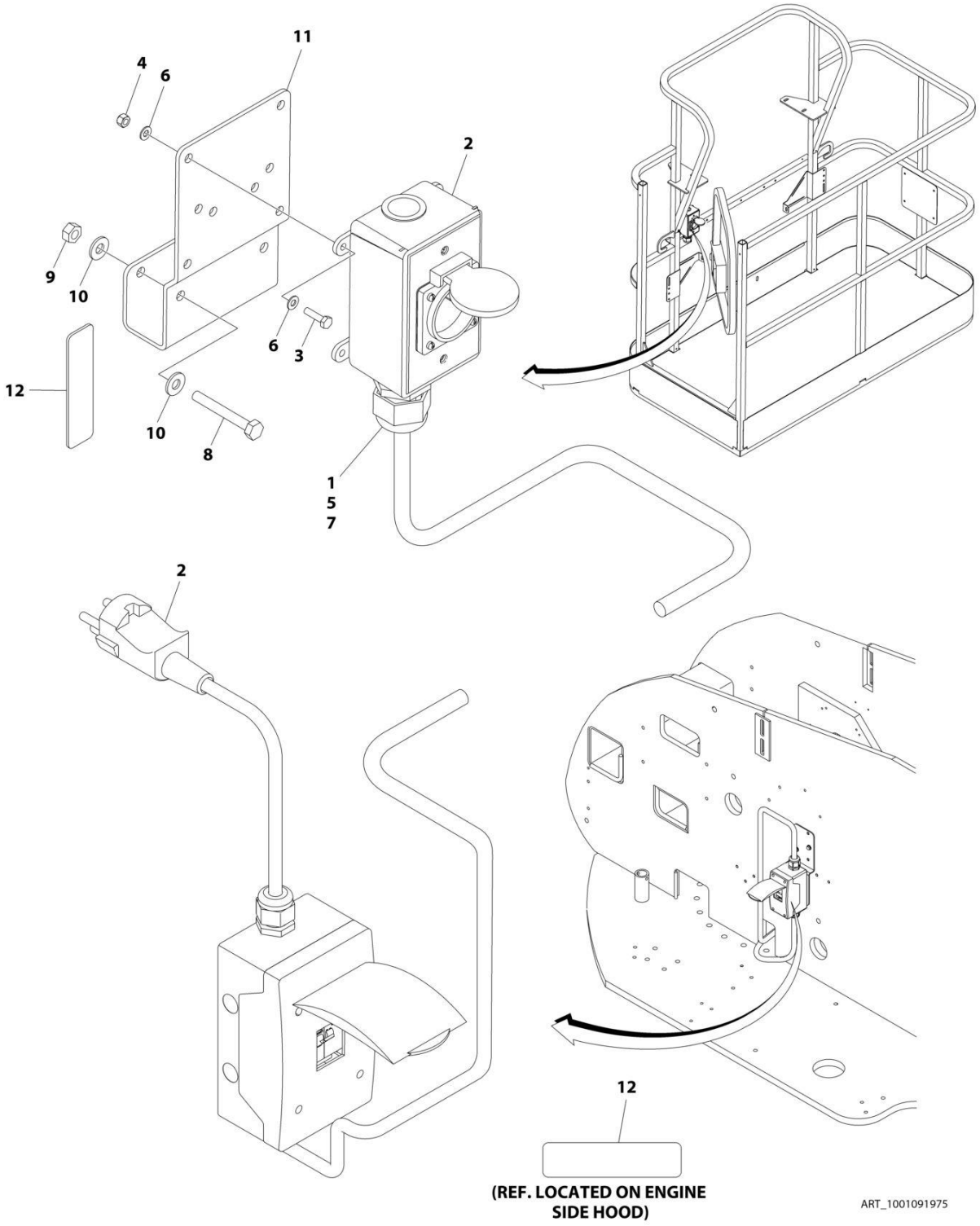


FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (CE & UK CA SPECS) (MACHINES WITH 2500W GENERATOR OR NO GENERATOR OPTION)

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)	

FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

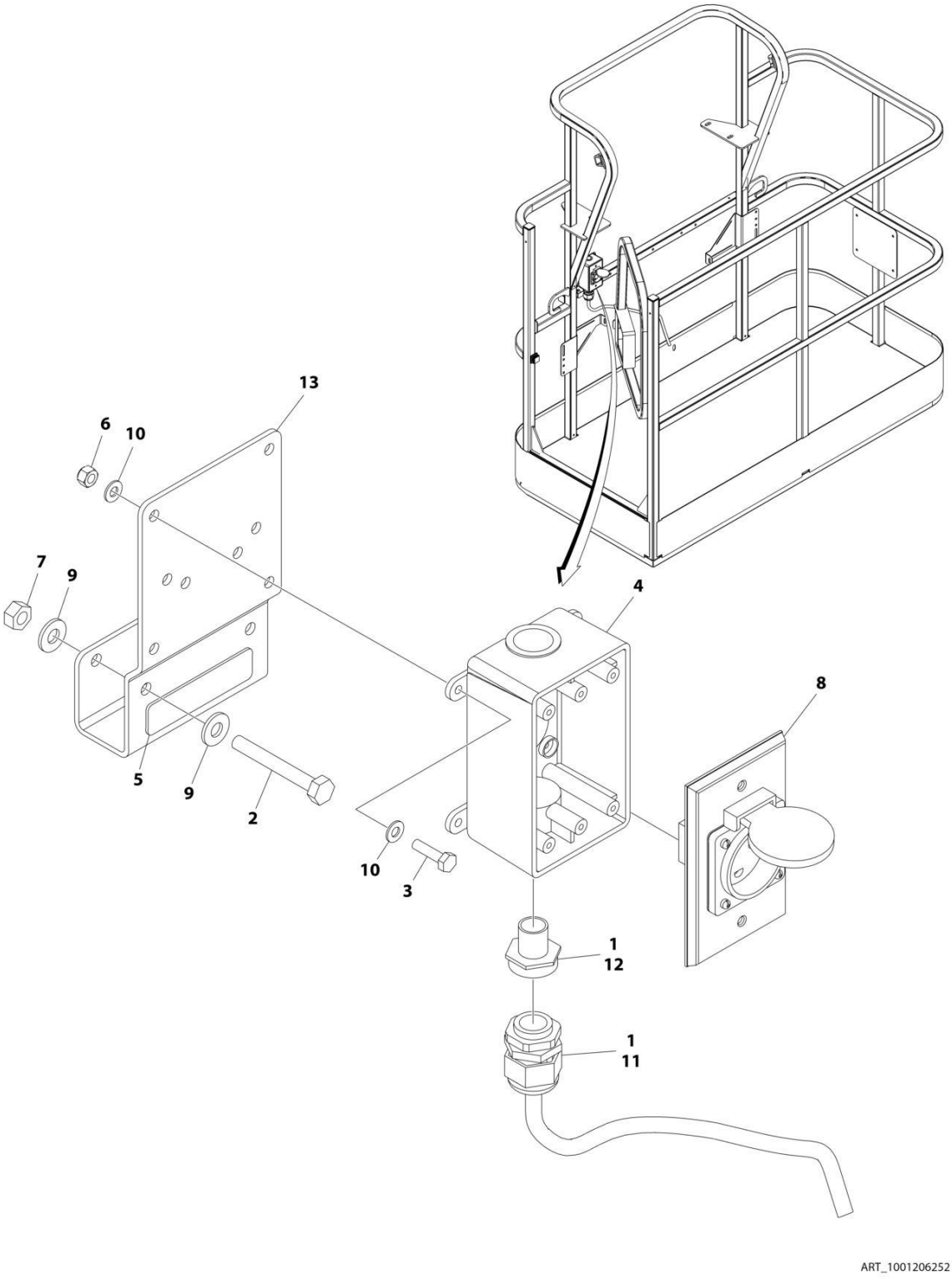


FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (CE & UK CA SPECS) (MACHINES WITH 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206252	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 2x4 BOX KEYED GROUND	A
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	4461246	1	Receptacle	
9	4711400	4	Washer 1/4	
10	4811400	8	Washer M4	
11	1001101191	1	Connector, Strain Relief	
12	1001101197	1	Adapter	
13	1001193018	1	Bracket, AC Receptacle	
14	1001205958	3	Terminal (Not Shown)	

FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V (2X4 BOX & COVER ONLY - LOCALLY SUPPLIED RECEPTACLE) (4000W GENERATOR)

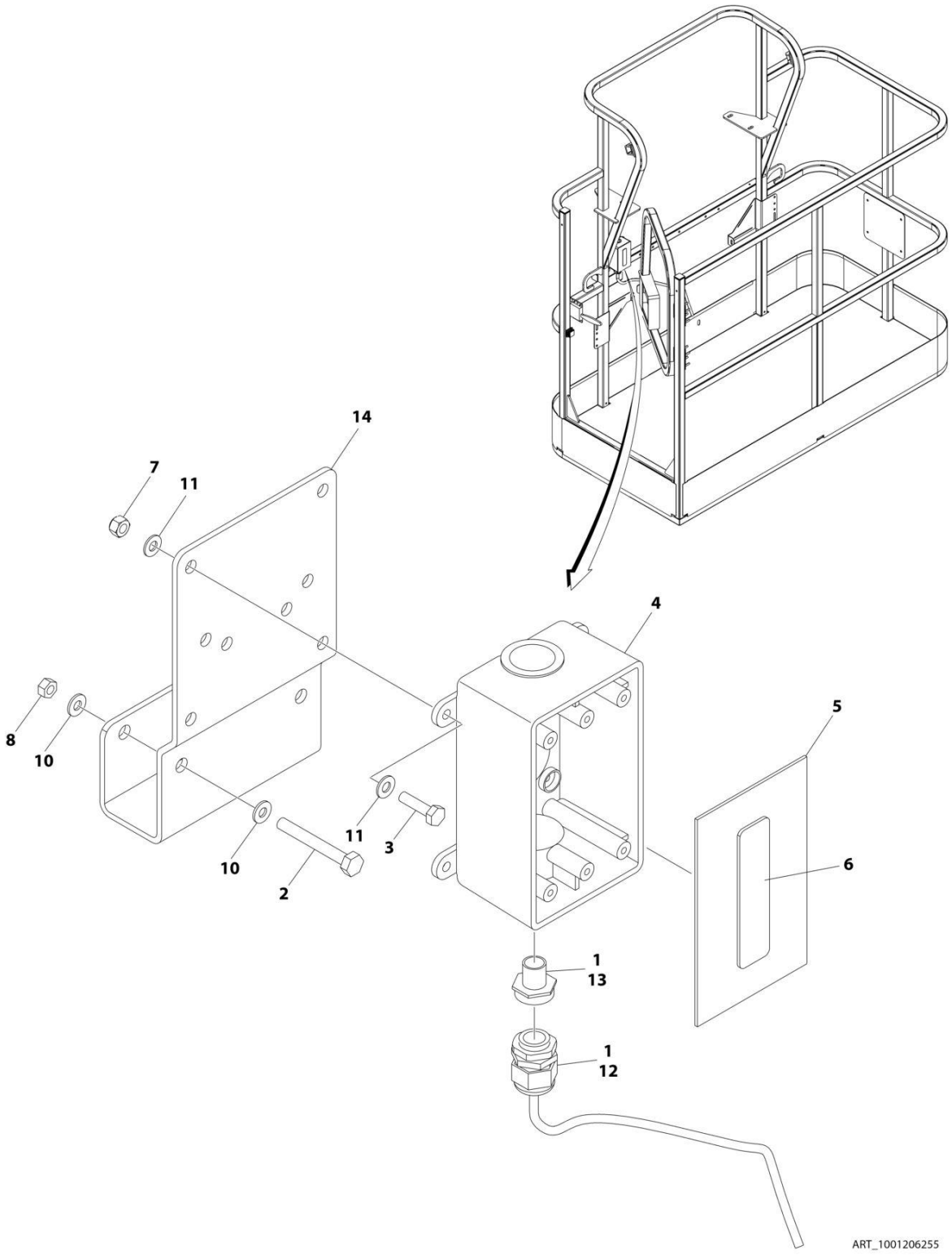


FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V (2X4 BOX & COVER ONLY - LOCALLY SUPPLIED RECEPTACLE) (4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206255	Ref	AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) WITH 4000W GENERATOR	A
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	1670603	1	Cover	
6	3251242	1	Decal - 240V-50Hz	
7	3290405	4	Nut M4	
8	3311405	2	Nut 1/4	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001101191	1	Connector, Strain Relief	
13	1001101197	1	Adapter	
14	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI, ANSI EXPORT AND CSA SPECS WITH 4000W SKYPOWER GENERATOR)

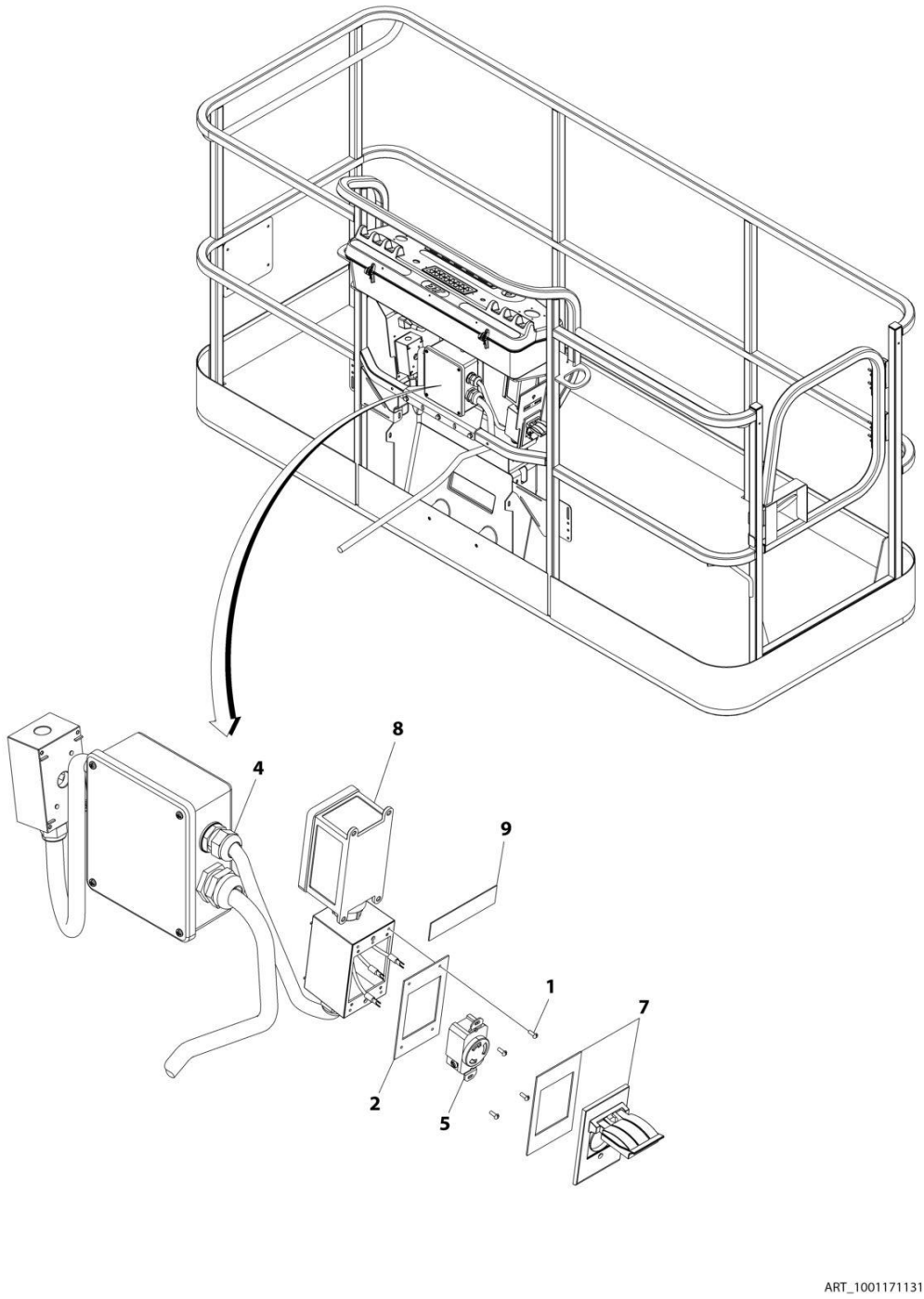


FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI, ANSI EXPORT AND CSA SPECS WITH 4000W SKYPOWER GENERATOR)

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	

FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI AND CSA SPECS WITH 7500W SKYPOWER GENERATOR)

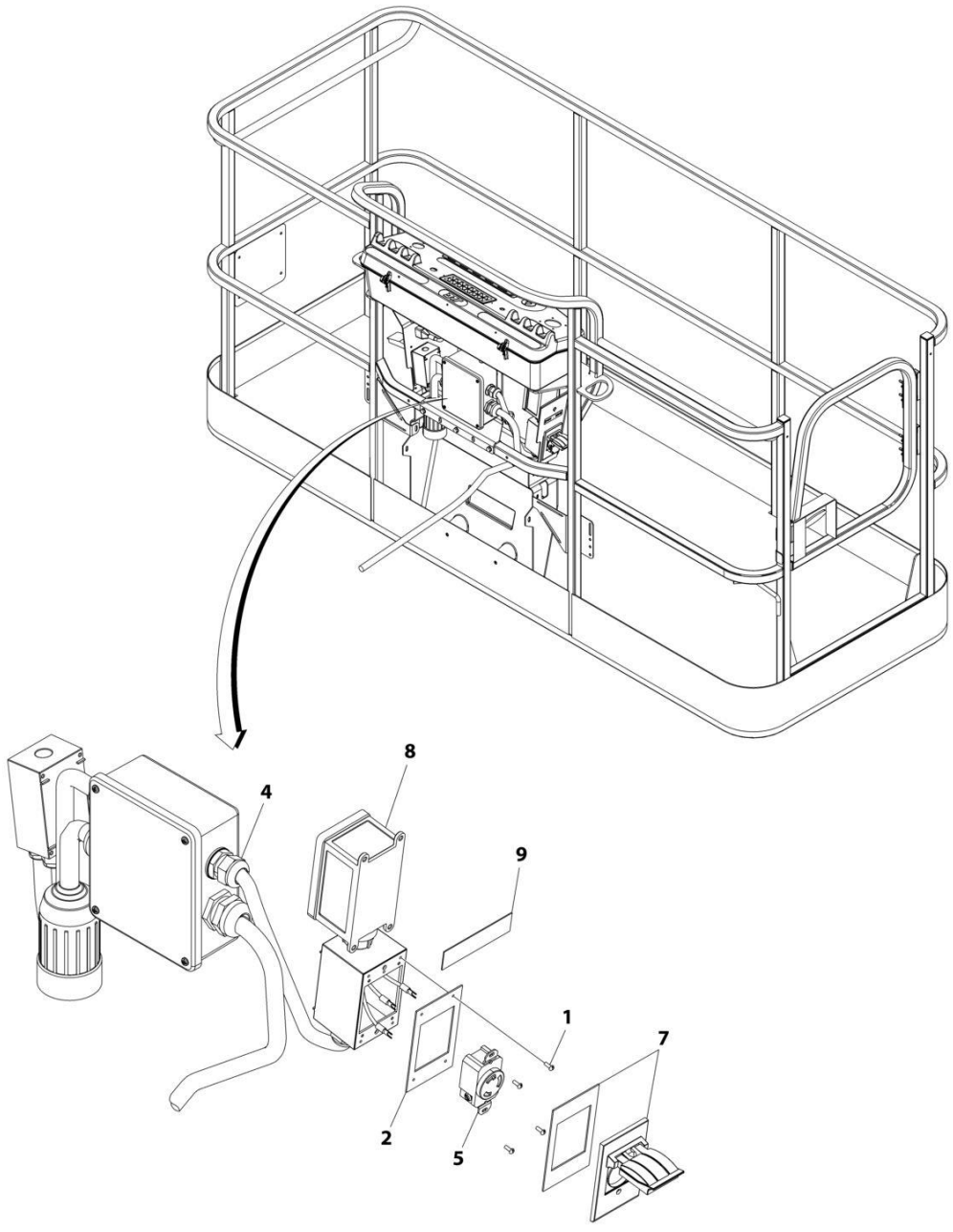


FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 240V GFCI RECEPTACLE (ANSI AND CSA SPECS WITH 7500W SKYPOWER GENERATOR)

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	

FIGURE 8-20. BEACON CONTROL HARNESS (BLUE AND RED STROBE LIGHTS)

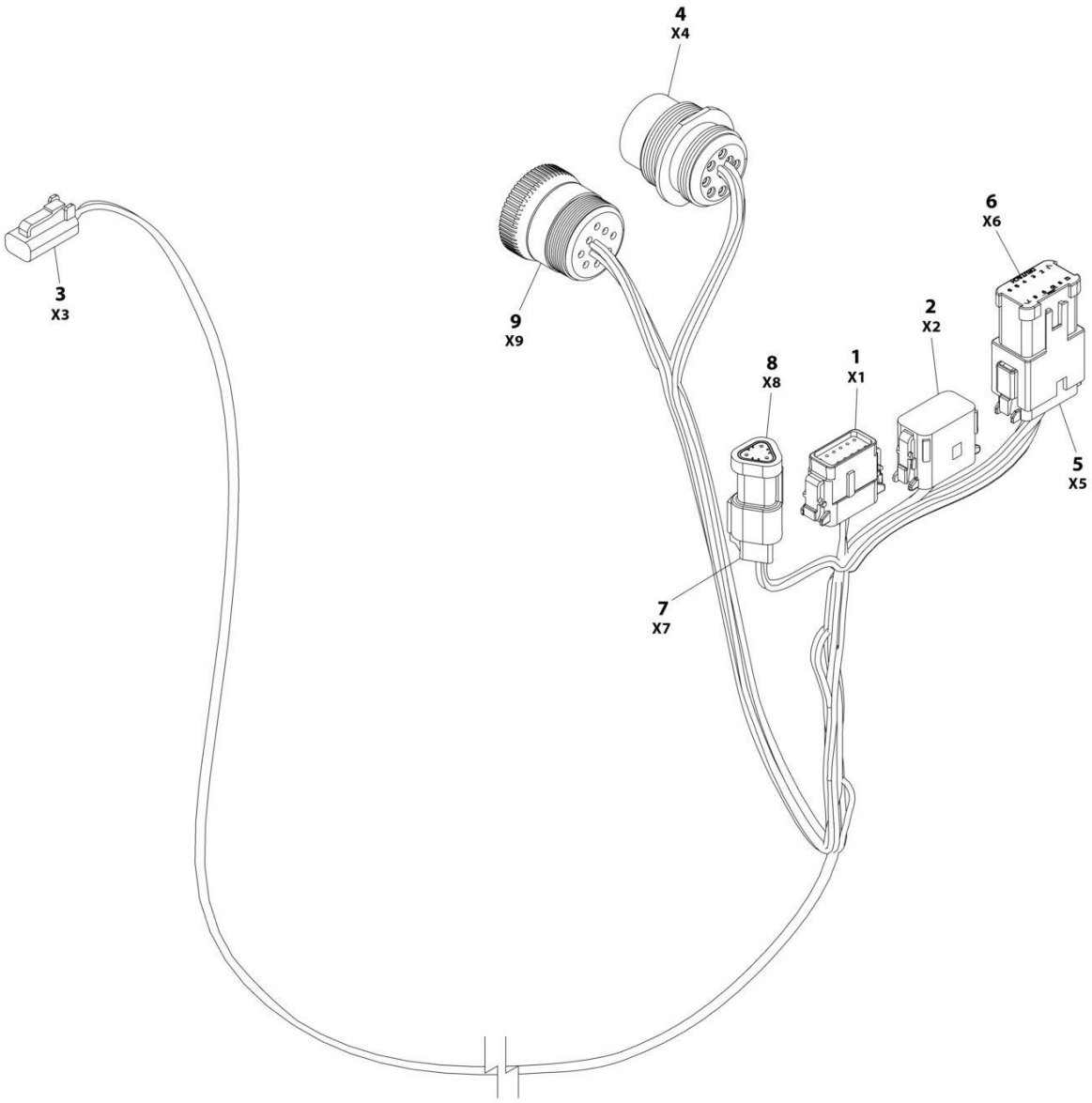


FIGURE 8-20. BEACON CONTROL HARNESS (BLUE AND RED STROBE LIGHTS)

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	

FIGURE 8-21. BATTERY DISCONNECT SWITCH INSTALLATION

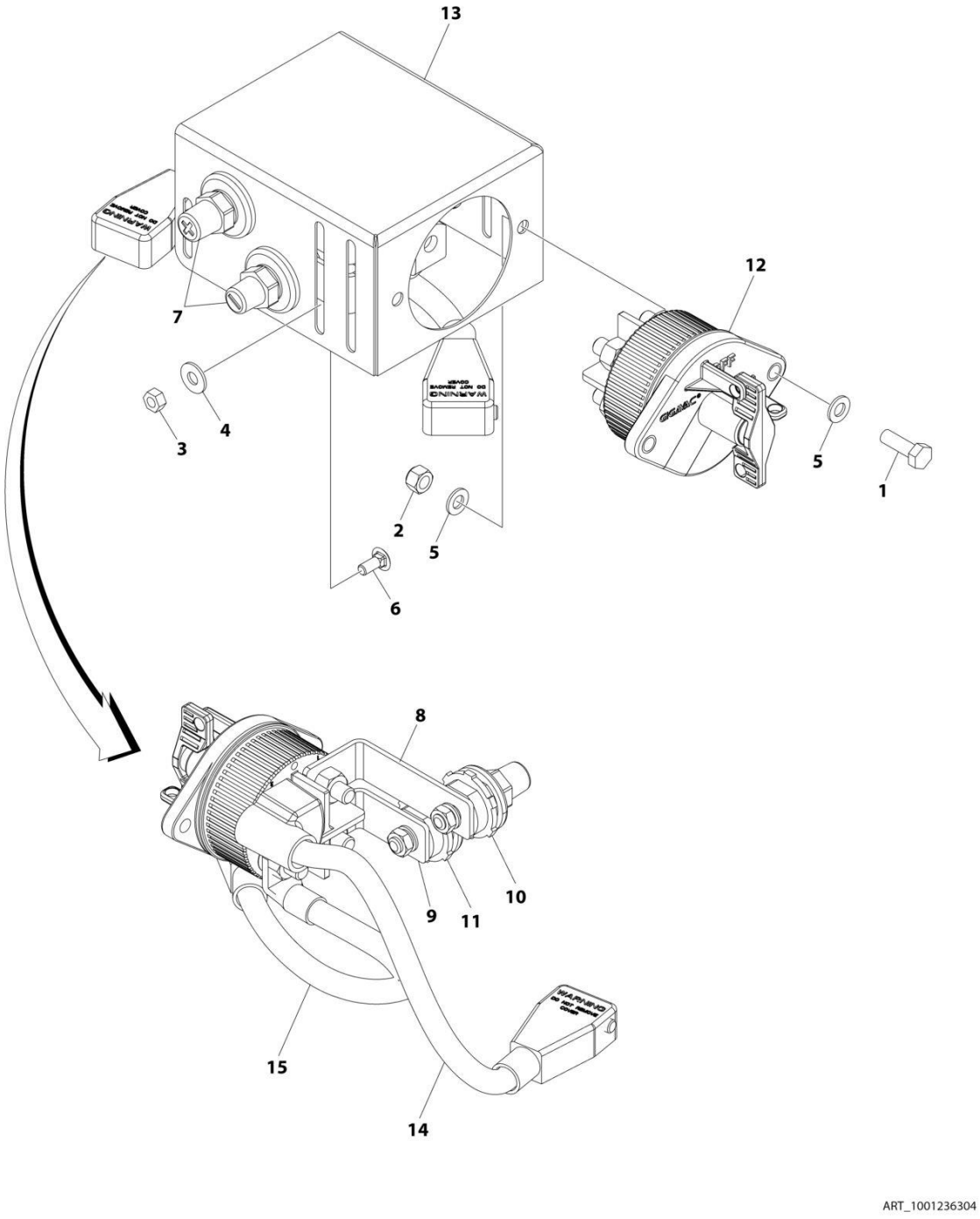


FIGURE 8-21. BATTERY DISCONNECT SWITCH INSTALLATION

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

FIGURE 8-22. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION (ANSI & CSA SPECS)

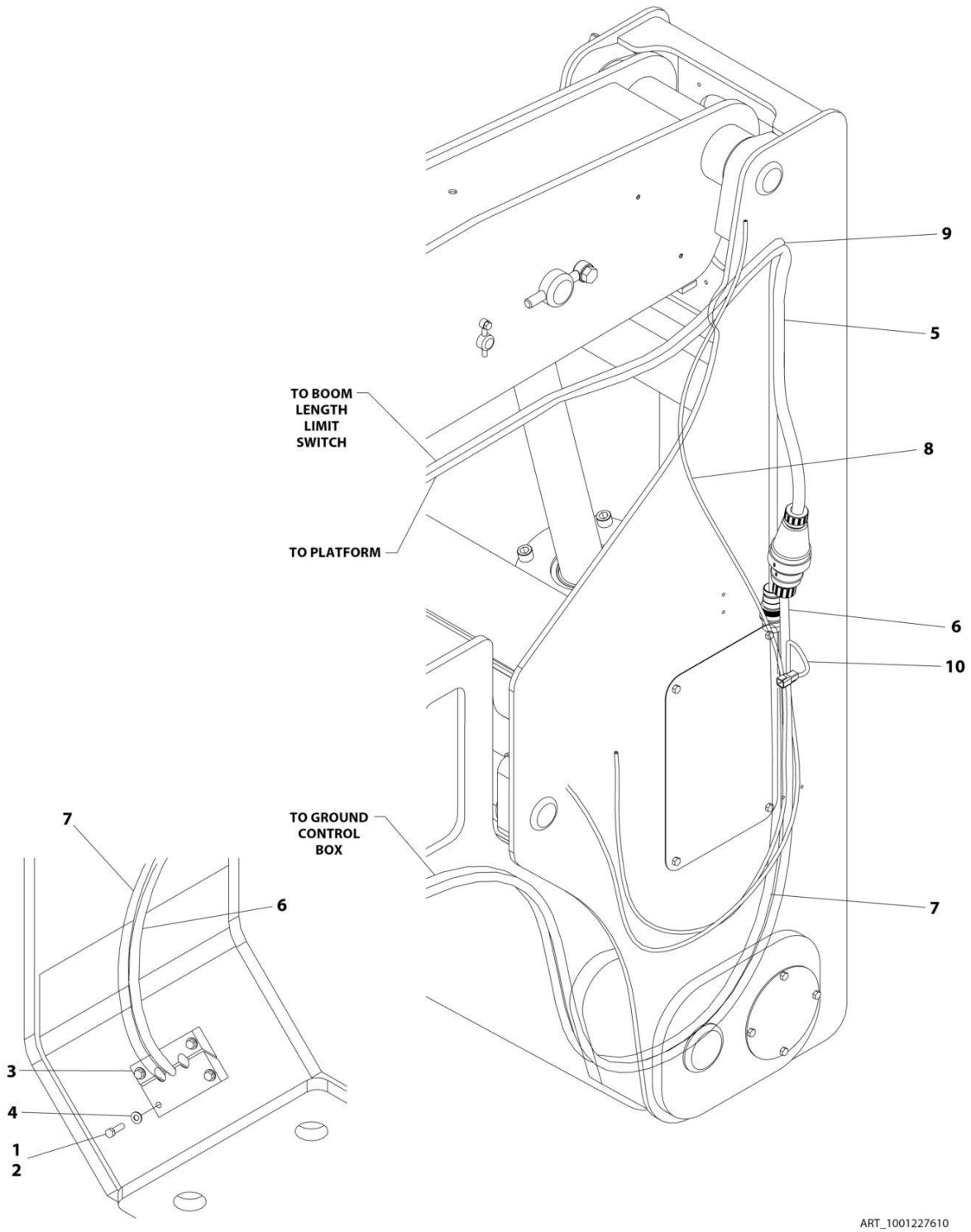


FIGURE 8-22. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION (ANSI & CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227610	Ref	BOOM CABLES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	1320256	1	Clamp, Block	
4	4711600	4	Washer 3/8	
5	4922216	1	AC Cable, 10/3 (Main Boom)	
6	4922217	1	AC Cable, 10/3 (Tower Boom)	
7	4922576	1	Boom Cable - Tower Boom (See Separate Breakdown in this	
8	4922578	2	Cable, Main Boom Elevation Limit Switch	
9	1001227518	1	Boom Cable - Main Boom (See Separate Breakdown in this	
10	1001227359	1	Tilt Sensor Harness	
10	1001097051	1	Connector - 4 Position	
10	1001097082	3	Terminal	

FIGURE 8-23. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION (CE & UK CA SPECS)

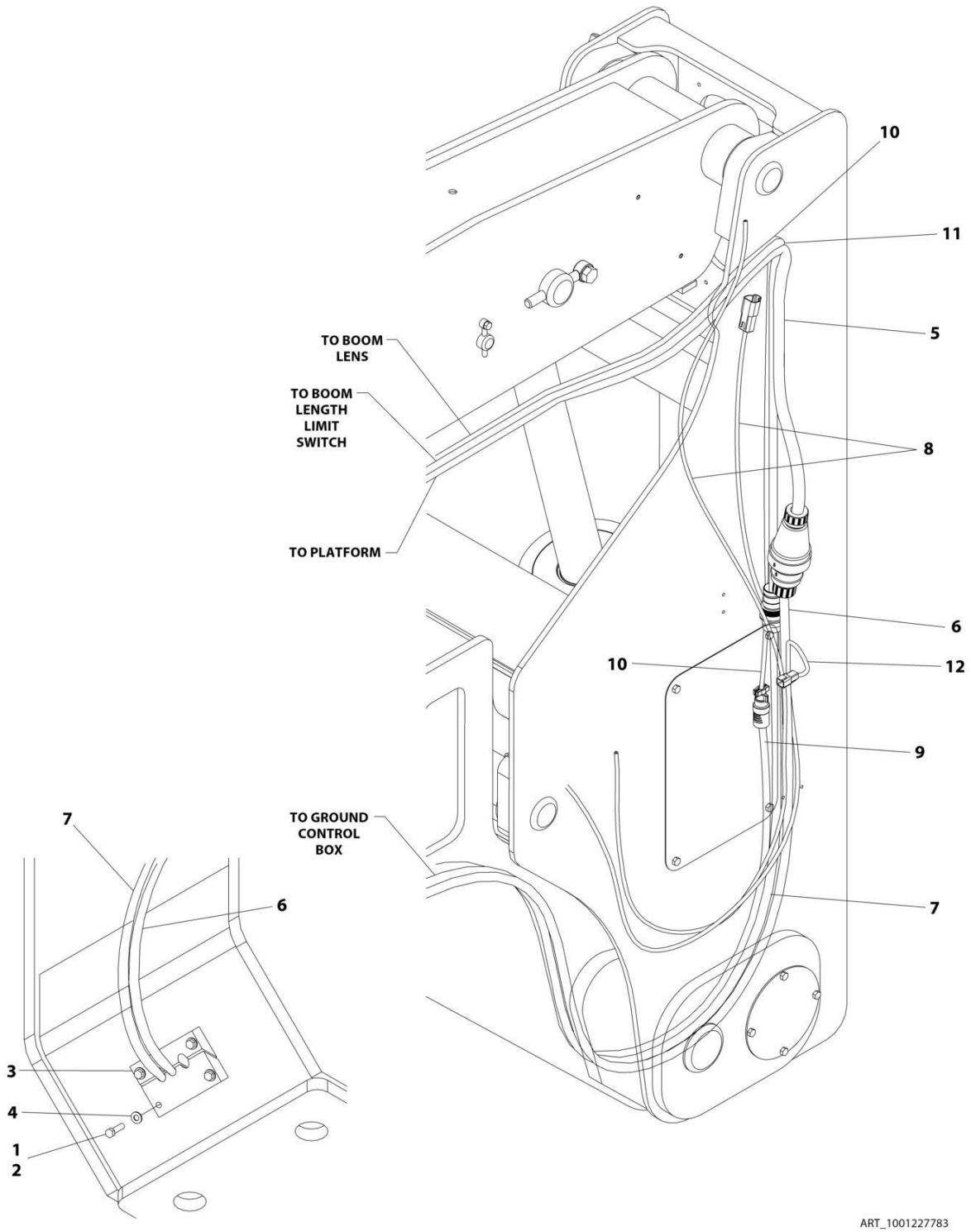


FIGURE 8-23. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227783	Ref	BOOM CABLES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 X 1-1/2	
3	1320256	1	Clamp, Block	
4	4711600	4	Washer 3/8	
5	4922219	1	AC Cable, 10/3 (Main Boom)	
6	4922220	1	AC Cable, 10/3 (Tower Boom)	
7	4922576	1	Boom Cable - Tower Boom (See Separate Breakdown in this Section)	
8	4922578	2	Main Boom Elevation Limit Switch Harness	
9	4922579	1	Boom Lens Harness (Tower Boom)	
9	4460891	1	Plug, Male - 2 Position	
9	4460465	2	Socket, Female	
10	4922580	1	Boom Lens Harness (Main Boom)	
10	4460897	1	Receptacle, Female - 2 Position	
10	4460464	2	Pin, Male	
11	1001227518	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
12	1001227359	1	Tilt Sensor Harness	
12	1001097051	1	Connector - 4 Position	
12	1001097082	3	Terminal	

FIGURE 8-24. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION (ANSI EXPORT, AUSTRALIAN, CHINA & JAPANESE SPECS)

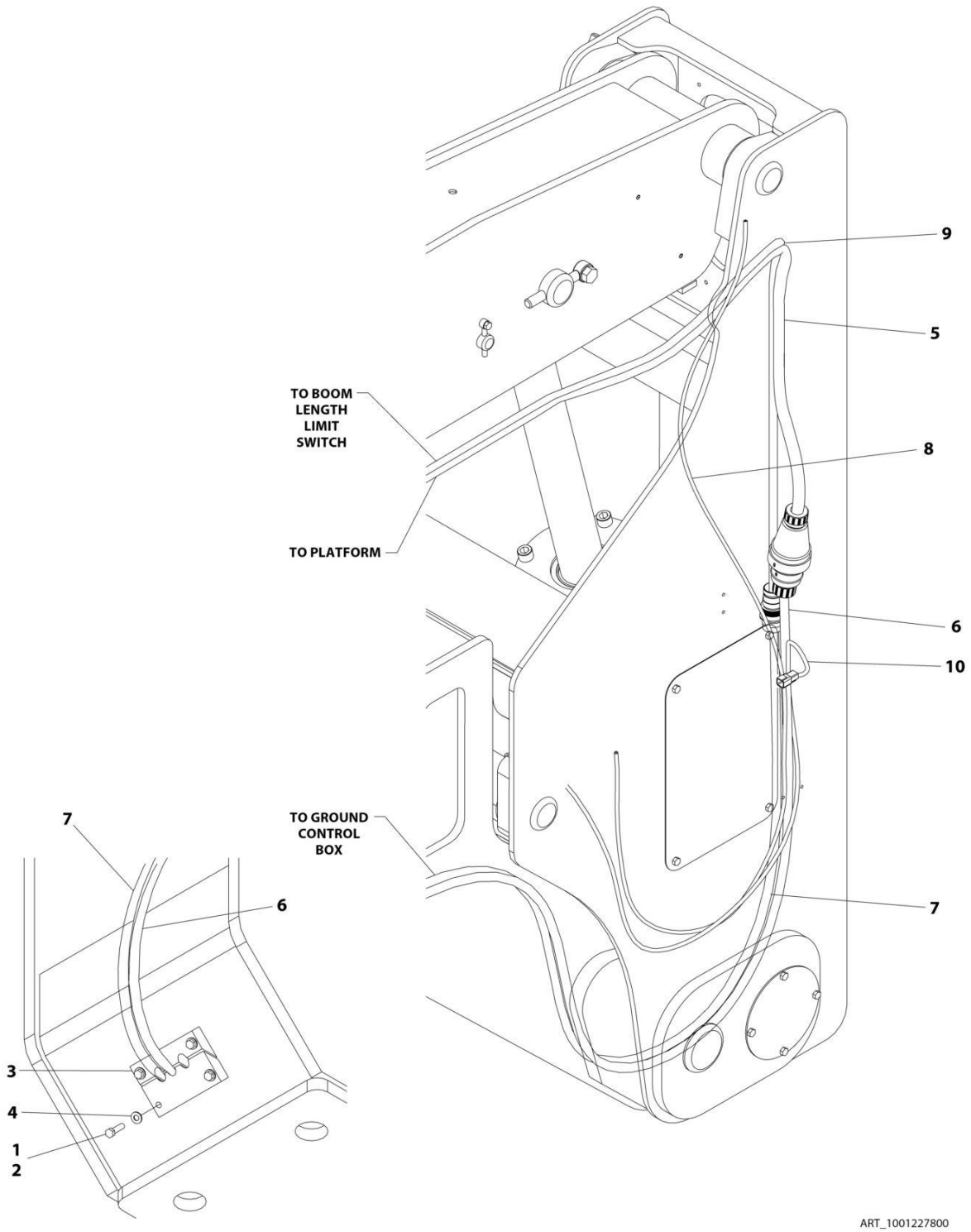


FIGURE 8-24. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION (ANSI EXPORT, AUSTRALIAN, CHINA & JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227800	Ref	BOOM CABLES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	1320256	1	Clamp, Block	
4	4711600	4	Washer 3/8	
5	4922219	1	AC Cable, 10/3 (Main Boom)	
6	4922220	1	AC Cable, 10/3 (Tower Boom)	
7	4922576	1	Boom Cable - Tower Boom (See Separate Breakdown in this Section)	
8	4922578	2	Cable, Main Boom Elevation Limit Switch	
9	1001227518	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
10	1001227359	1	Tilt Sensor Harness	
10	1001097051	1	Connector - 4 Position	
10	1001097082	3	Terminal	

FIGURE 8-25. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION & ARCTIC PACKAGE (ANSI, ANSI EXPORT, CHINA & CSA SPECS)

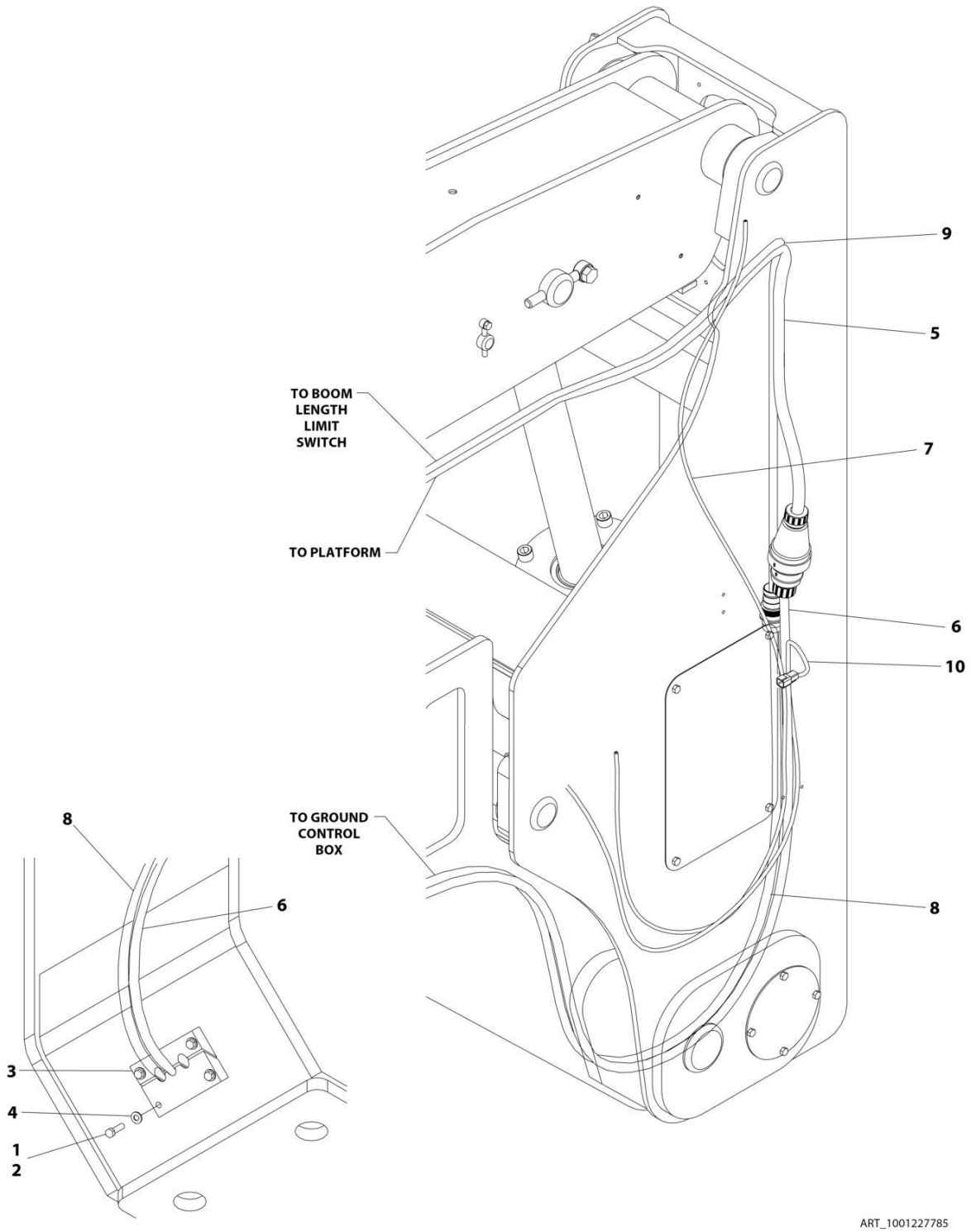


FIGURE 8-25. BOOM CABLES INSTALLATION - WITH 2500W GENERATOR OR NO GENERATOR OPTION & ARCTIC PACKAGE (ANSI, ANSI EXPORT, CHINA & CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227785	Ref	BOOM CABLES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	1320256	1	Clamp, Block	
4	4711600	4	Washer 3/8	
5	4923485	1	AC Cable, 10/3 (Main Boom)	
6	4923486	1	AC Cable, 10/3 (Tower Boom)	
7	4923487	1	Cable, Main Boom Elevation Limit Switch	
8	4923489	1	Boom Cable - Tower Boom (See Separate Breakdown in this Section)	
9	1001227351	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
10	1001227359	1	Tilt Sensor Harness	
10	1001097051	1	Connector - 4 Position	
10	1001097082	3	Terminal	

FIGURE 8-26. BOOM CABLES INSTALLATION - WITH 4000W GENERATOR (ALL SPECS)

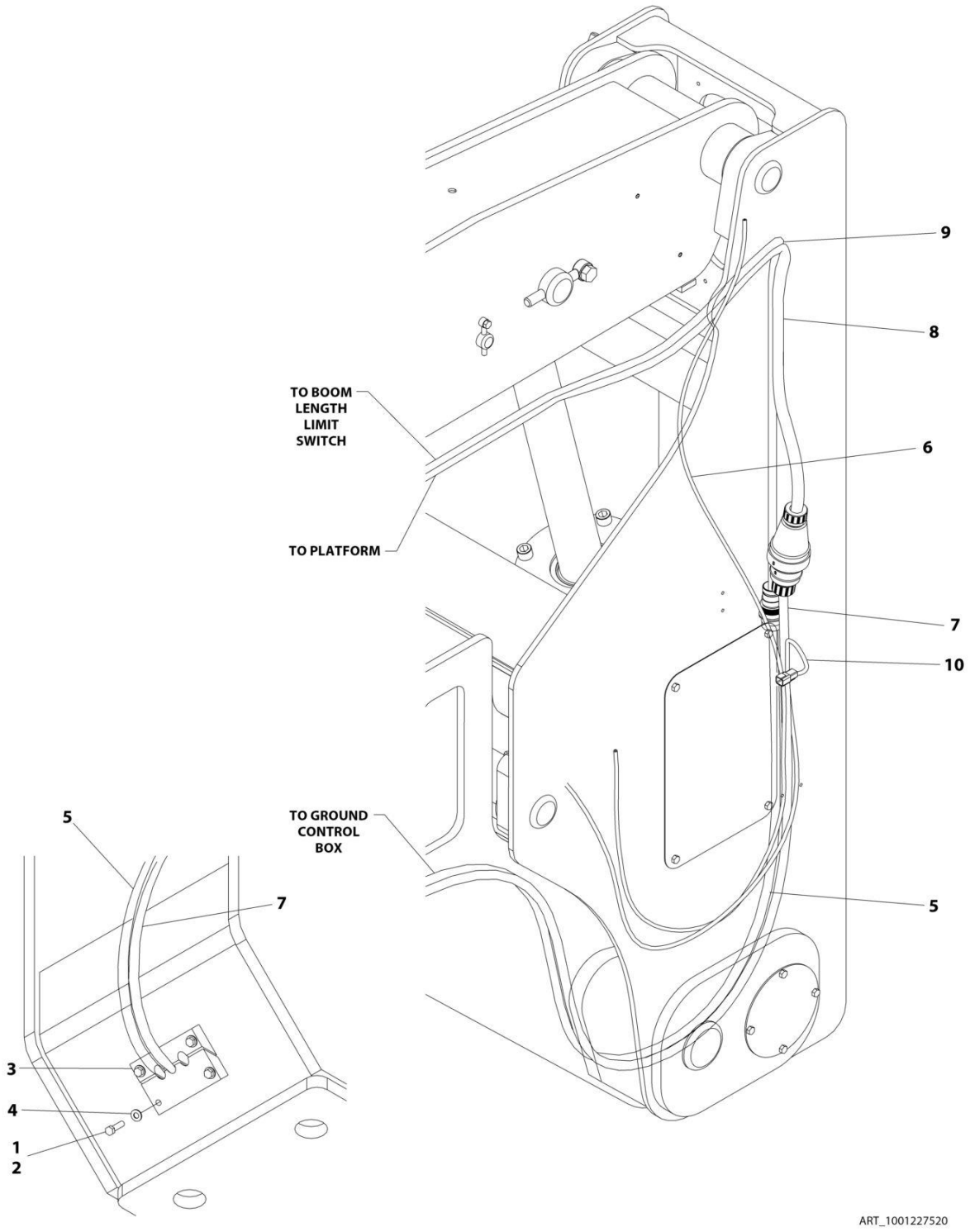


FIGURE 8-26. BOOM CABLES INSTALLATION - WITH 4000W GENERATOR (ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227520	Ref	BOOM CABLES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	1320256	1	Clamp, Block	
4	4711600	4	Washer 3/8	
5	4922576	1	Boom Cable - Tower Boom (See Separate Breakdown in this Section)	
6	4922578	2	Cable, Main Boom Elevation Limit Switch	
7	1001156693	1	AC Cable, 10/4 (Tower Boom)	
8	1001156694	1	AC Cable, 10/4 (Main Boom)	
9	1001227518	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
10	1001227359	1	Tilt Sensor Harness	
10	1001097051	1	Connector - 4 Position	
10	1001097082	3	Terminal	

FIGURE 8-27. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR (ALL SPECS EXCEPT CE & UK CA SPECS)

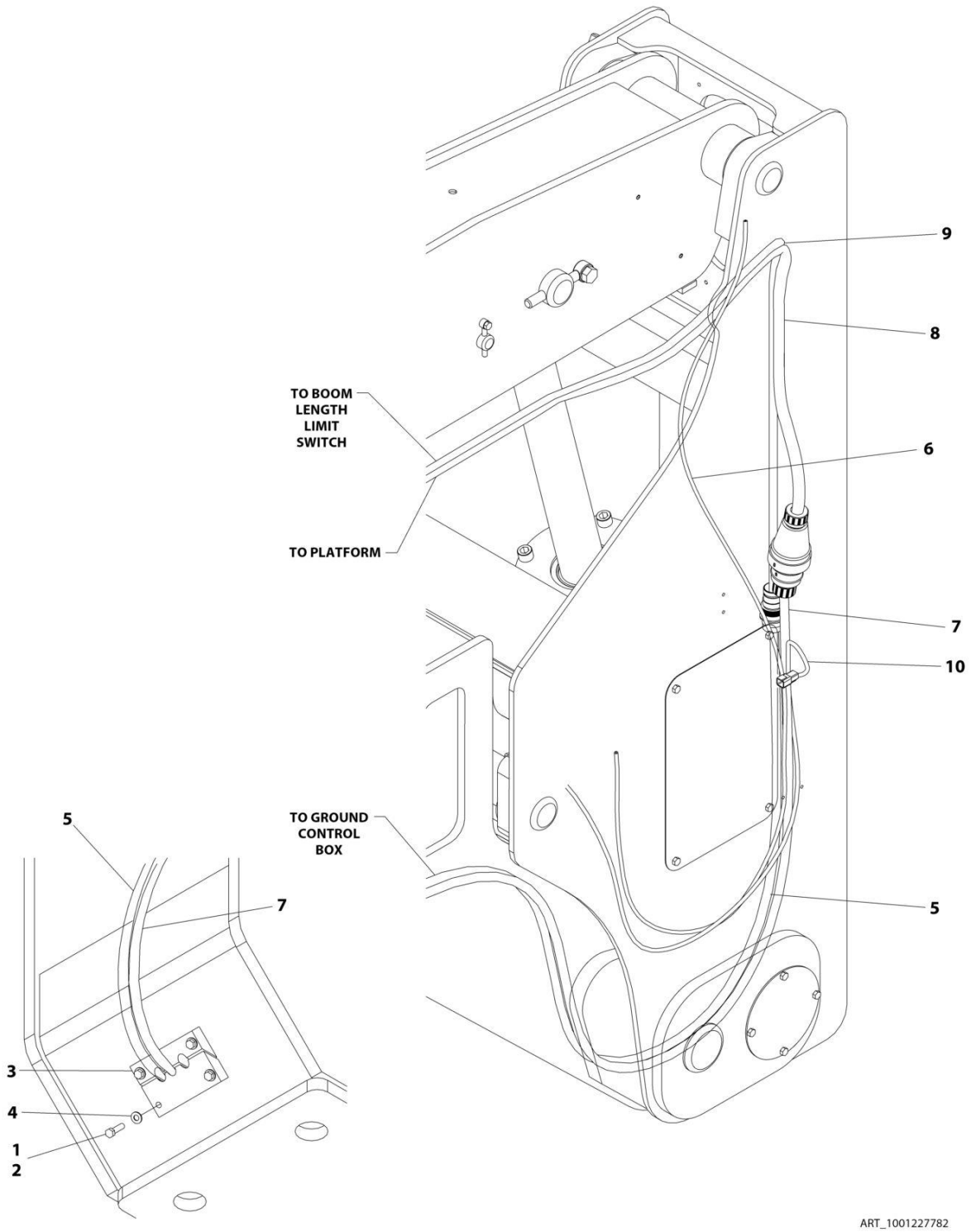


FIGURE 8-27. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR (ALL SPECS EXCEPT CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227782	Ref	BOOM CABLES INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	1320256	1	Clamp, Block	
4	4711600	4	Washer 3/8	
5	4922576	1	Boom Cable - Tower Boom (See Separate Breakdown in this Section)	
6	4922578	2	Cable, Main Boom Elevation Limit Switch	
7	1001125125	1	AC Cable, 8/5 (Tower Boom)	
8	1001125126	1	AC Cable, 8/5 (Main Boom)	
9	1001227518	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
10	1001227359	1	Tilt Sensor Harness	
10	1001097051	1	Connector - 4 Position	
10	1001097082	3	Terminal	

FIGURE 8-28. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR (CE & UK CA SPECS)

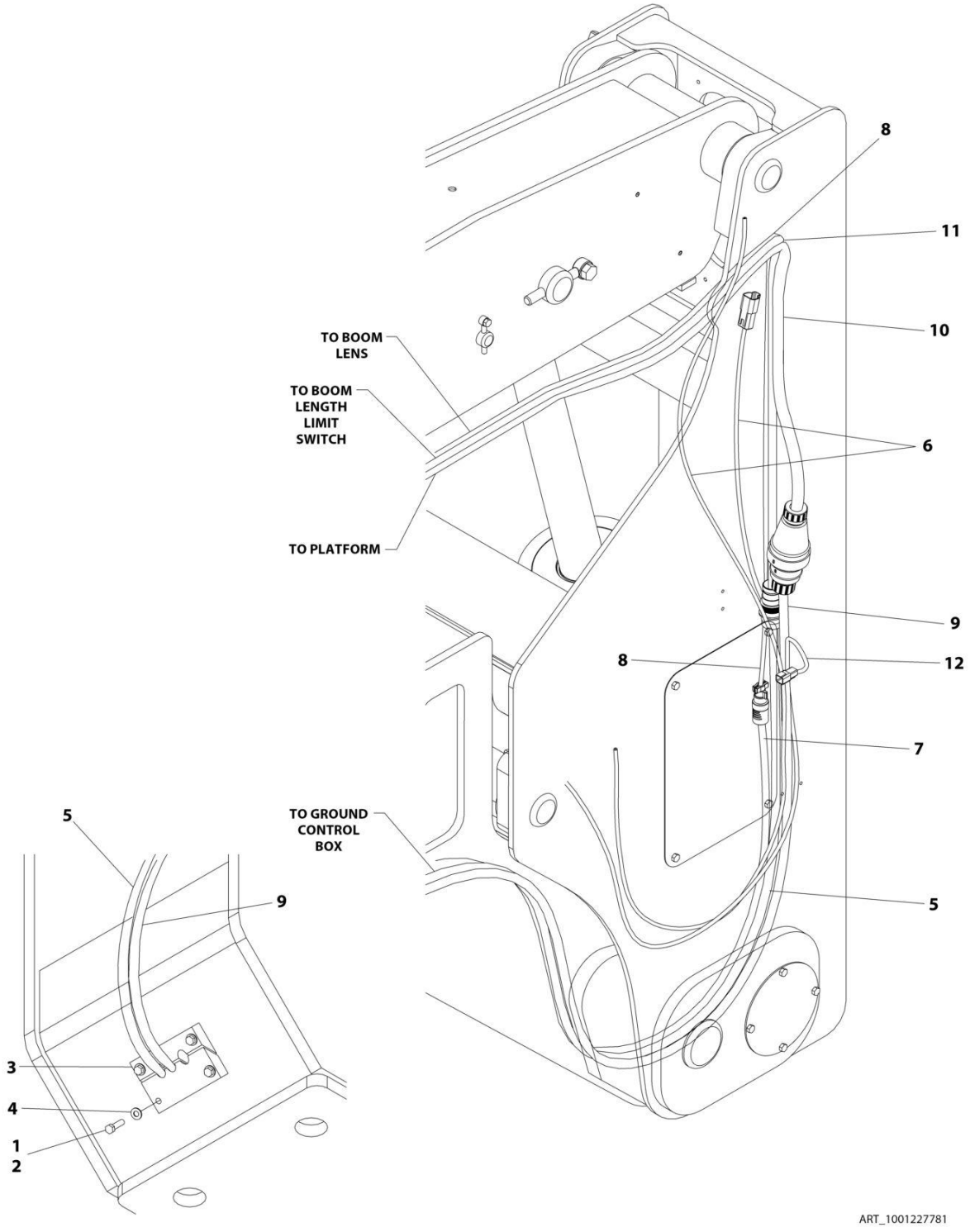


FIGURE 8-28. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227781	Ref	BOOM CABLES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 X 1-1/2	
3	1320256	1	Clamp, Block	
4	4711600	4	Washer 3/8	
5	4922576	1	Boom Cable - Tower Boom (See Separate Breakdown in this Section)	
6	4922578	2	Main Boom Elevation Limit Switch Harness	
7	4922579	1	Boom Lens Harness (Tower Boom)	
7	4460891	1	Plug, Male - 2 Position	
7	4460465	2	Socket, Female	
8	4922580	1	Boom Lens Harness (Main Boom)	
8	4460897	1	Receptacle, Female - 2 Position	
8	4460464	2	Pin, Male	
9	1001125125	1	AC Cable, 8/5 (Tower Boom)	
10	1001125126	1	AC Cable, 8/5 (Main Boom)	
11	1001227518	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
12	1001227359	1	Tilt Sensor Harness	
12	1001097051	1	Connector - 4 Position	
12	1001097082	3	Terminal	

FIGURE 8-29. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR & ARCTIC PACKAGE (ANIT, ANSI EXPORT, CHINA & CSA SPECS)

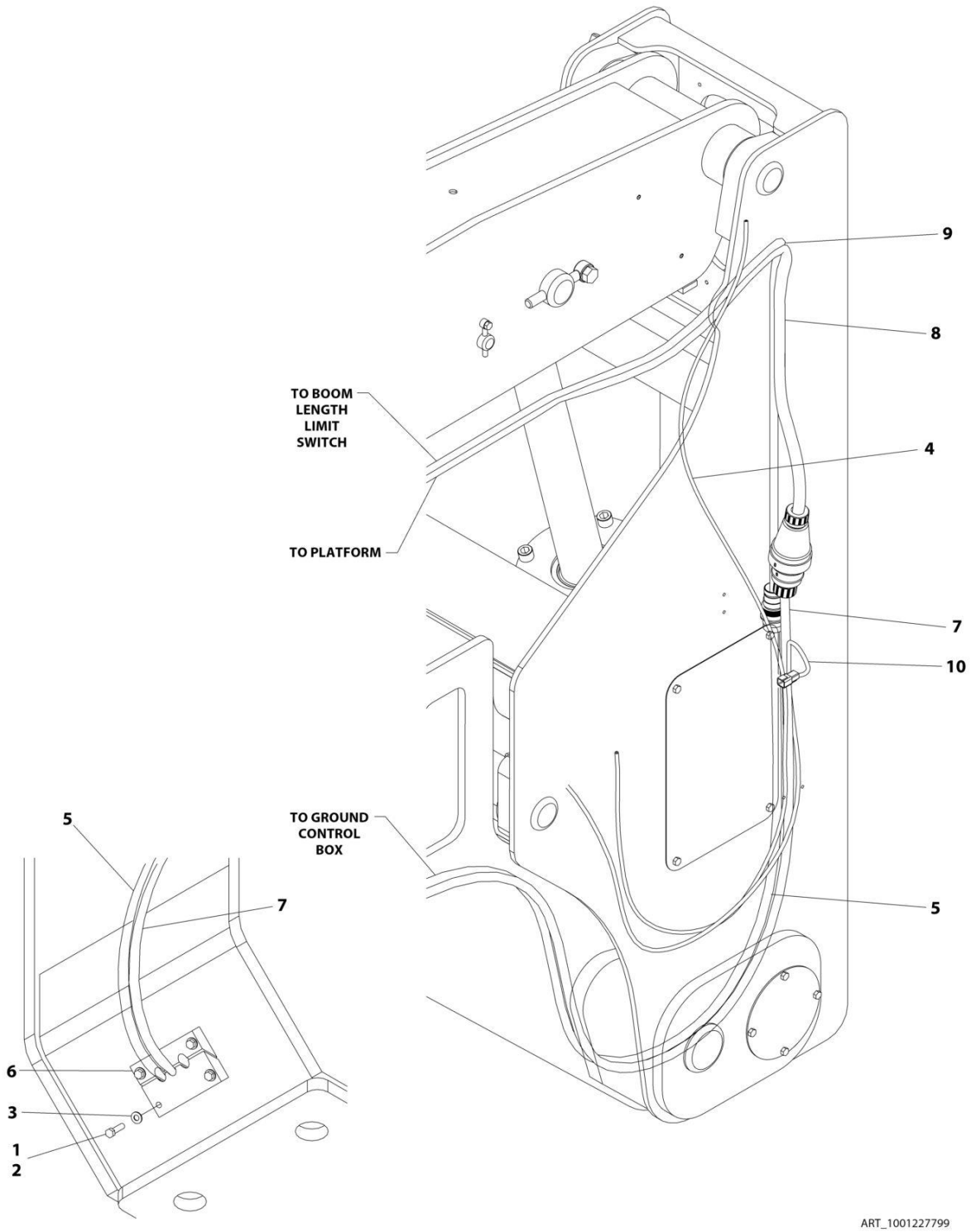


FIGURE 8-29. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR & ARCTIC PACKAGE (ANIT, ANSI EXPORT, CHINA & CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227799	Ref	BOOM CABLES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	4711600	4	Washer 3/8	
4	4923487	2	Cable, Main Boom Elevation Limit Switch	
5	4923489	1	Boom Cable - Tower Boom (See Separate Breakdown in this Section)	
6	1001092384	1	Clamp, Block	
7	1001125125	1	AC Cable, 8/5 (Tower Boom)	
8	1001125126	1	AC Cable, 8/5 (Main Boom)	
9	1001227351	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
10	1001227359	1	Tilt Sensor Harness	
10	1001097051	1	Connector - 4 Position	
10	1001097082	3	Terminal	

FIGURE 8-30. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR AND COMMUNICATION CABLES (ANSI SPECS)

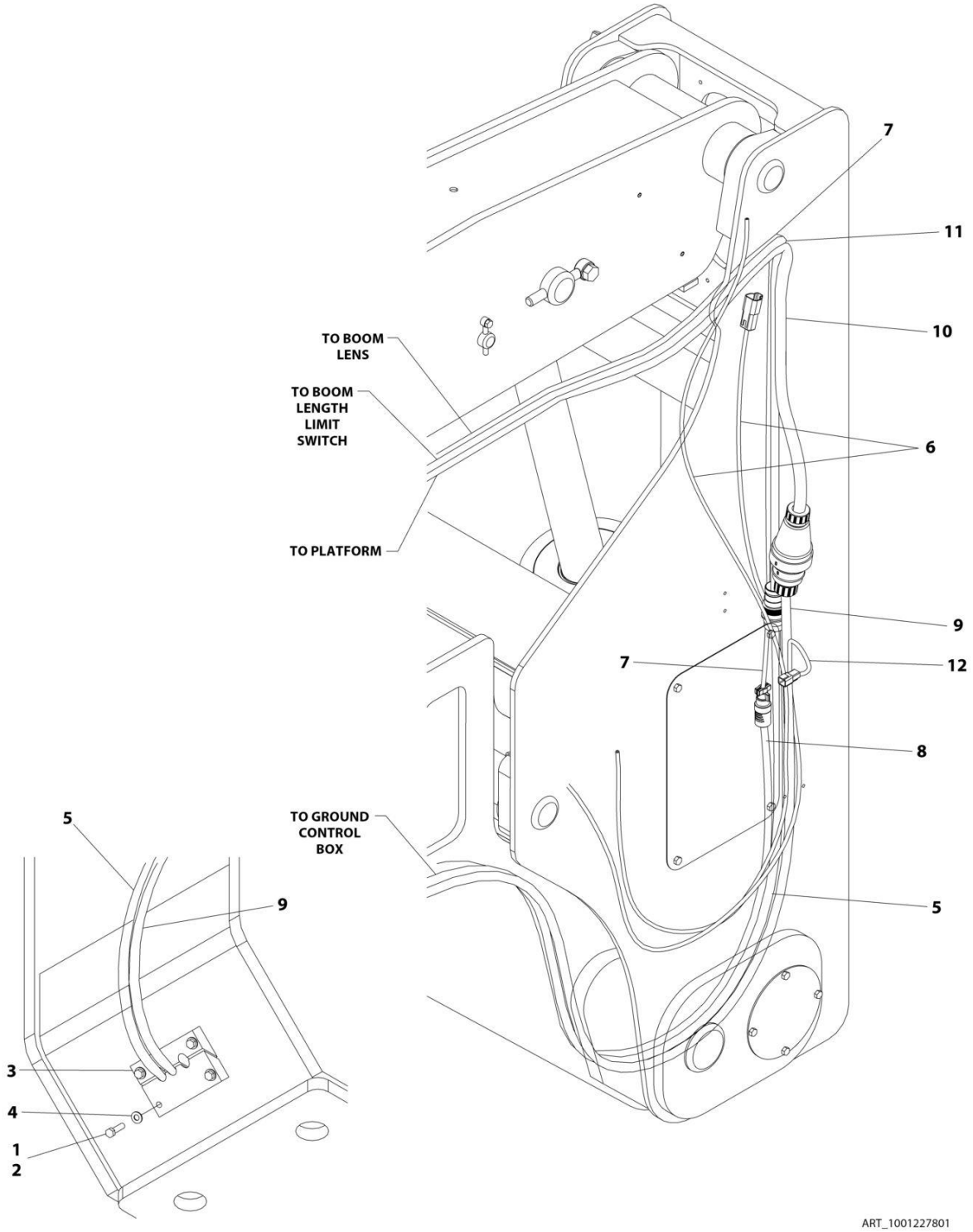


FIGURE 8-30. BOOM CABLES INSTALLATION - WITH 7500W SKYPOWER GENERATOR AND COMMUNICATION CABLES (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227801	Ref	BOOM CABLES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 X 1-1/2	
3	1320256	1	Clamp, Block	
4	4711600	4	Washer 3/8	
5	4922576	1	Boom Cable- Tower Boom (See Separate Breakdown in this Section)	
6	4922578	2	Main Boom Elevation Limit Switch Harness	
7	1001107755	1	Communication Harness (Main Boom)	
8	1001116473	1	Communication Harness (Tower Boom)	
9	1001125125	1	AC Cable, 8/5 (Tower Boom)	
10	1001125126	1	AC Cable, 8/5 (Main Boom)	
11	1001227518	1	Boom Cable - Main Boom (See Separate Breakdown in this Section)	
12	1001227359	1	Tilt Sensor Harness	
12	1001097051	1	Connector - 4 Position	
12	1001097082	3	Terminal	

FIGURE 8-31. BOOM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE)

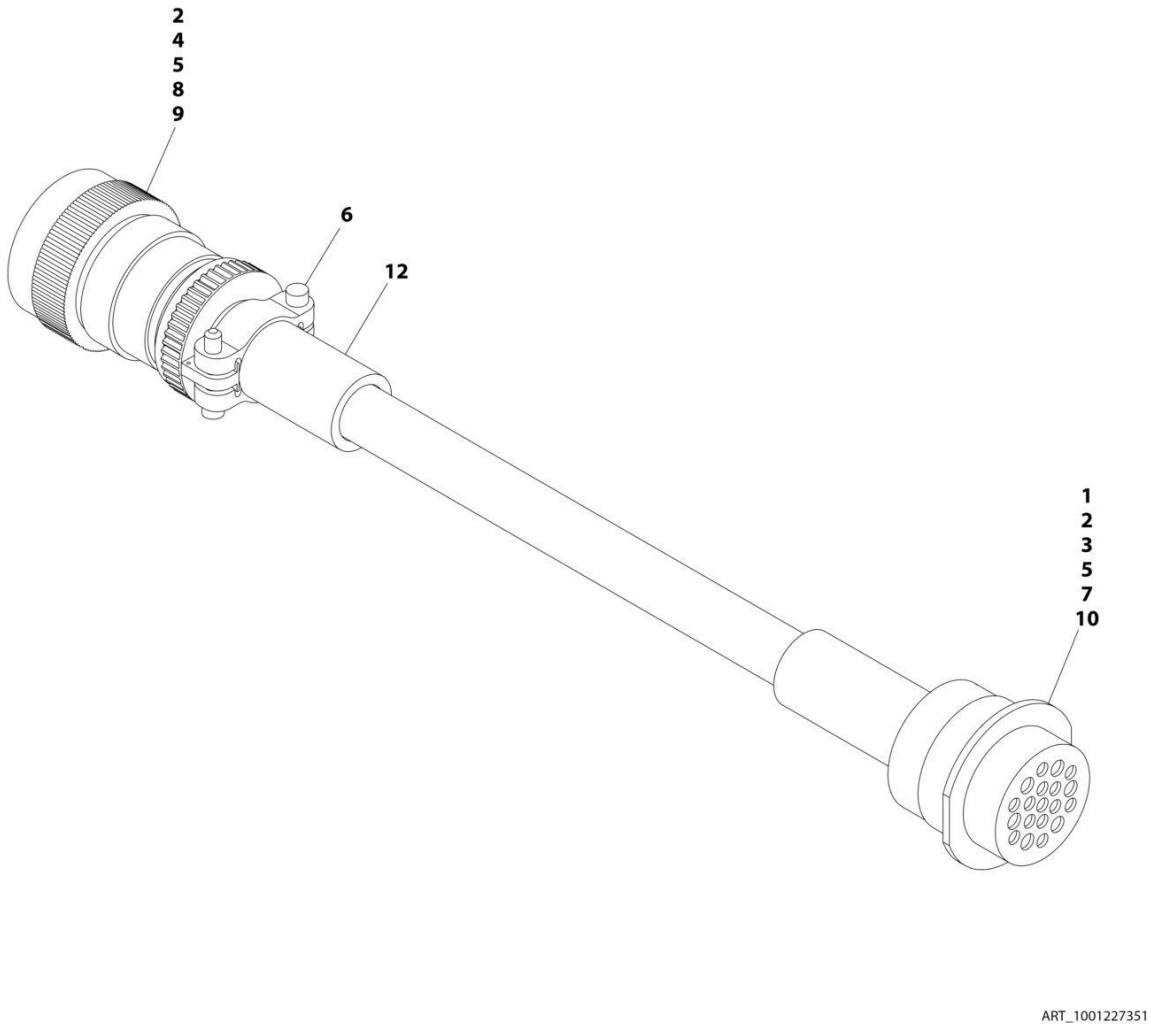


FIGURE 8-31. BOOM CABLE - MAIN BOOM (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227351	Ref	BOOM CABLE - MAIN BOOM	A
1	2820031	AR	Heatshrink	
2	2820118	AR	Heatshrink, Clear	
3	4460464	11	Pin, Male	
4	4460465	11	Socket, Female	
5	4460466	11	Plug, Terminal	
6	4460473	1	Clamp	
7	4460508	4	Pin, Male	
8	4460509	4	Socket, Female	
9	4460865	1	Connector - 19 Position	
10	4460866	1	Connector - 19 Position	
12	1001226400	AR	Insulate, Heatshrink	

FIGURE 8-32. BOOM CABLE - MAIN BOOM

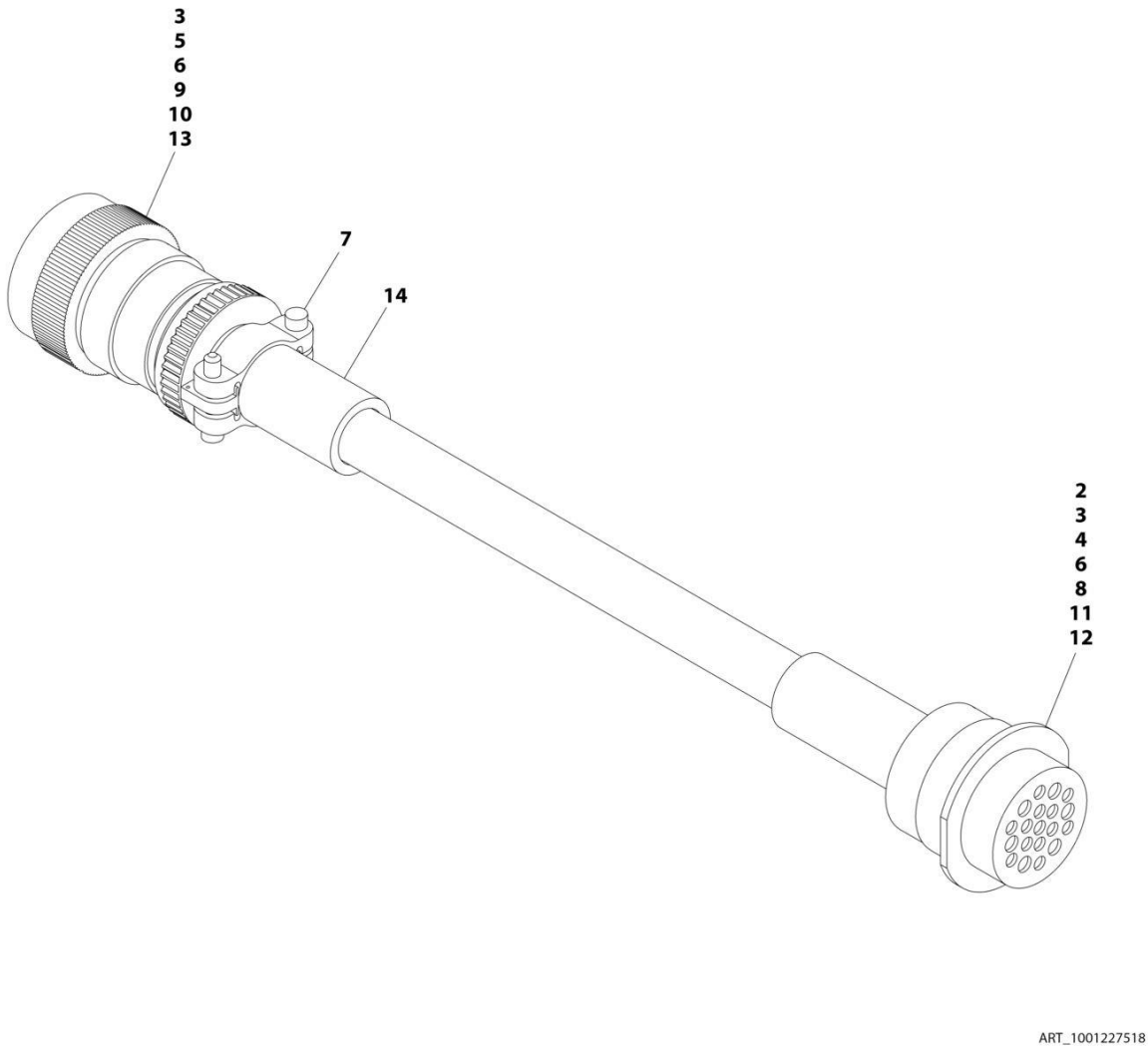


FIGURE 8-32. BOOM CABLE - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227518	Ref	BOOM CABLE - MAIN BOOM	A
2	2820031	AR	Heatshrink	
3	2820118	AR	Heatshrink, Clear	
4	4460464	5	Pin, Male	
5	4460465	8	Socket, Female	
6	4460466	11	Plug, Terminal	
7	4460473	1	Clamp	
8	4460508	4	Pin, Male	
9	4460509	4	Socket, Female	
10	4460865	1	Connector - 19 Position	
11	4460866	1	Connector - 19 Position	
12	4460943	3	Pin, Male	
13	4460944	3	Socket, Female	
14	1001226400	AR	Insulate, Heatshrink	

FIGURE 8-33. BOOM CABLE - TOWER BOOM WITHOUT ARCTIC PACKAGE

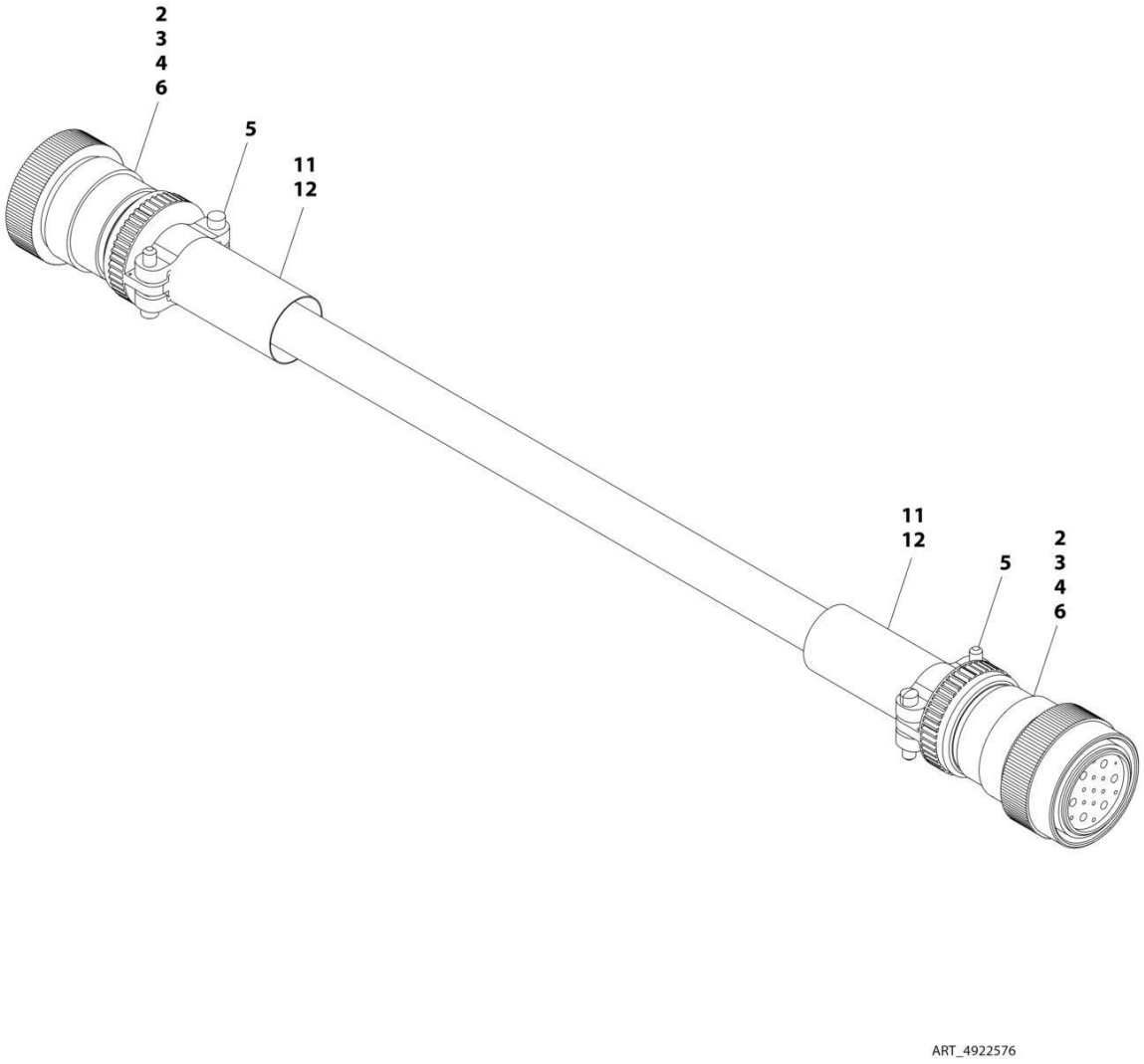


FIGURE 8-33. BOOM CABLE - TOWER BOOM WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922576	Ref	BOOM CABLE - TOWER BOOM	E
2	4460465	22	Socket, Female	
3	4460865	2	Connector - 19 Position	
4	4460509	8	Socket, Female	
5	4460473	2	Clamp	
6	4460466	8	Plug, Terminal	
11	2820118	AR	Heatshrink, Clear	
12	1001226400	AR	Insulate, Heatshrink	

FIGURE 8-34. BOOM CABLE - TOWER BOOM WITH ARCTIC PACKAGE

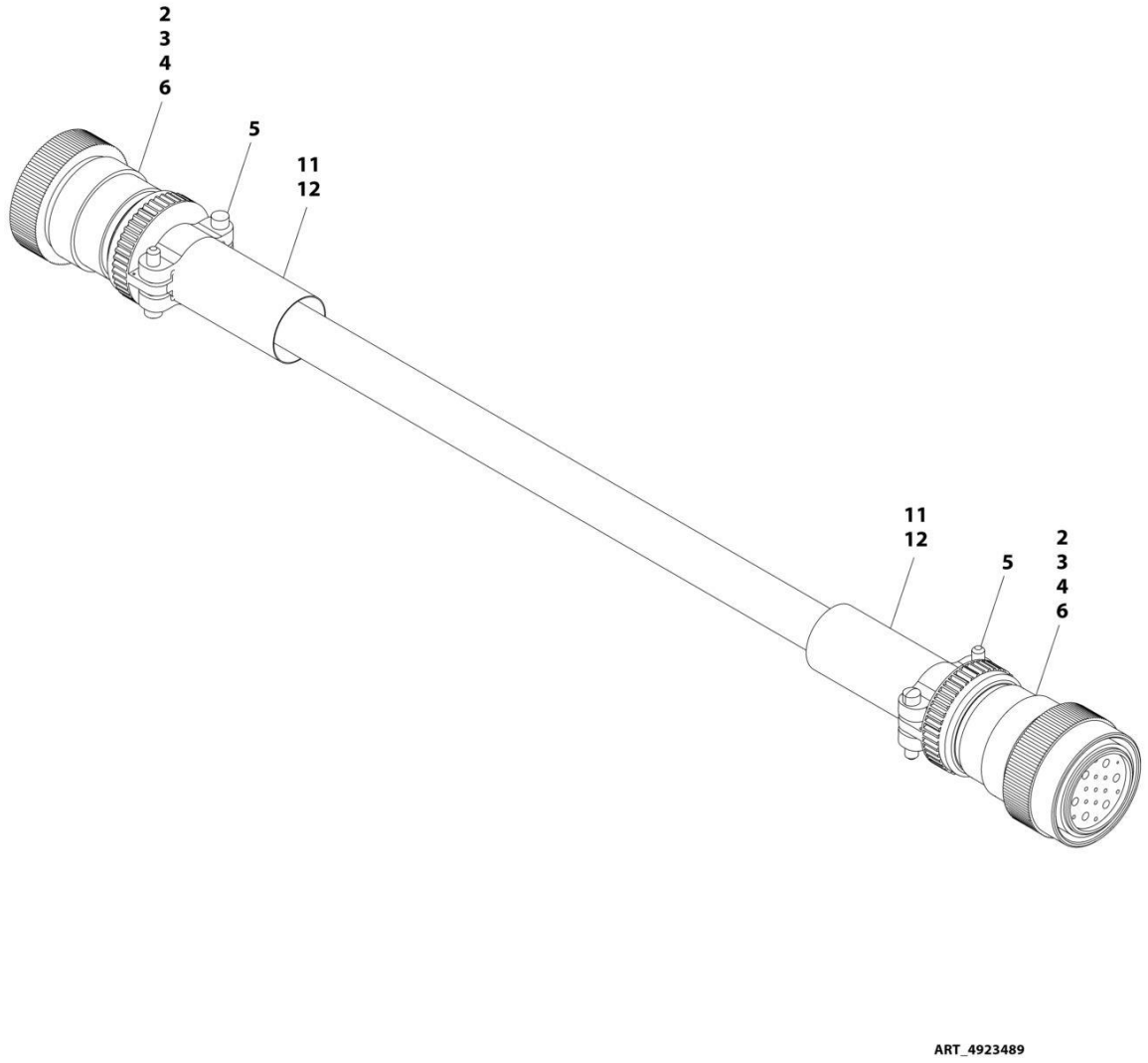


FIGURE 8-34. BOOM CABLE - TOWER BOOM WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4923489	Ref	BOOM CABLE - TOWER BOOM	B
2	4460465	22	Socket, Female	
3	4460865	2	Connector - 19 Position	
4	4460509	8	Socket, Female	
5	4460473	2	Clamp	
6	4460466	8	Plug, Terminal	
11	2820118	AR	Heatshrink, Clear	
12	1001226400	AR	Insulate, Heatshrink	

FIGURE 8-35. BOOM VALVE HARNESS

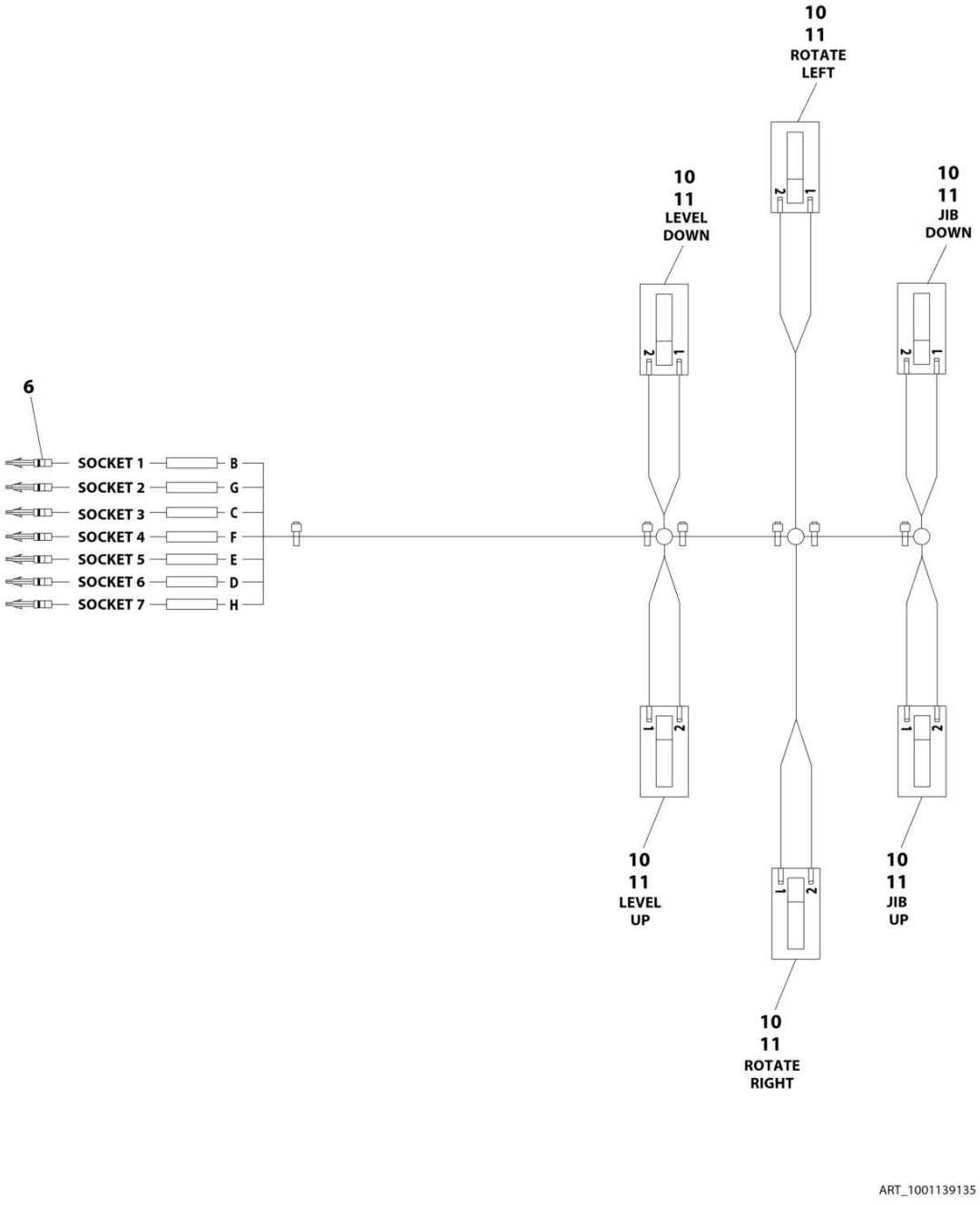


FIGURE 8-35. BOOM VALVE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139135	Ref	BOOM VALVE HARNESS	3
6	4460226	7	Terminal, Socket	
10	4460891	6	Deutsch connector	
11	1001116692	12	Socket	

FIGURE 8-36. BREAKER BOX INSTALLATION (BRAZIL SPECS)

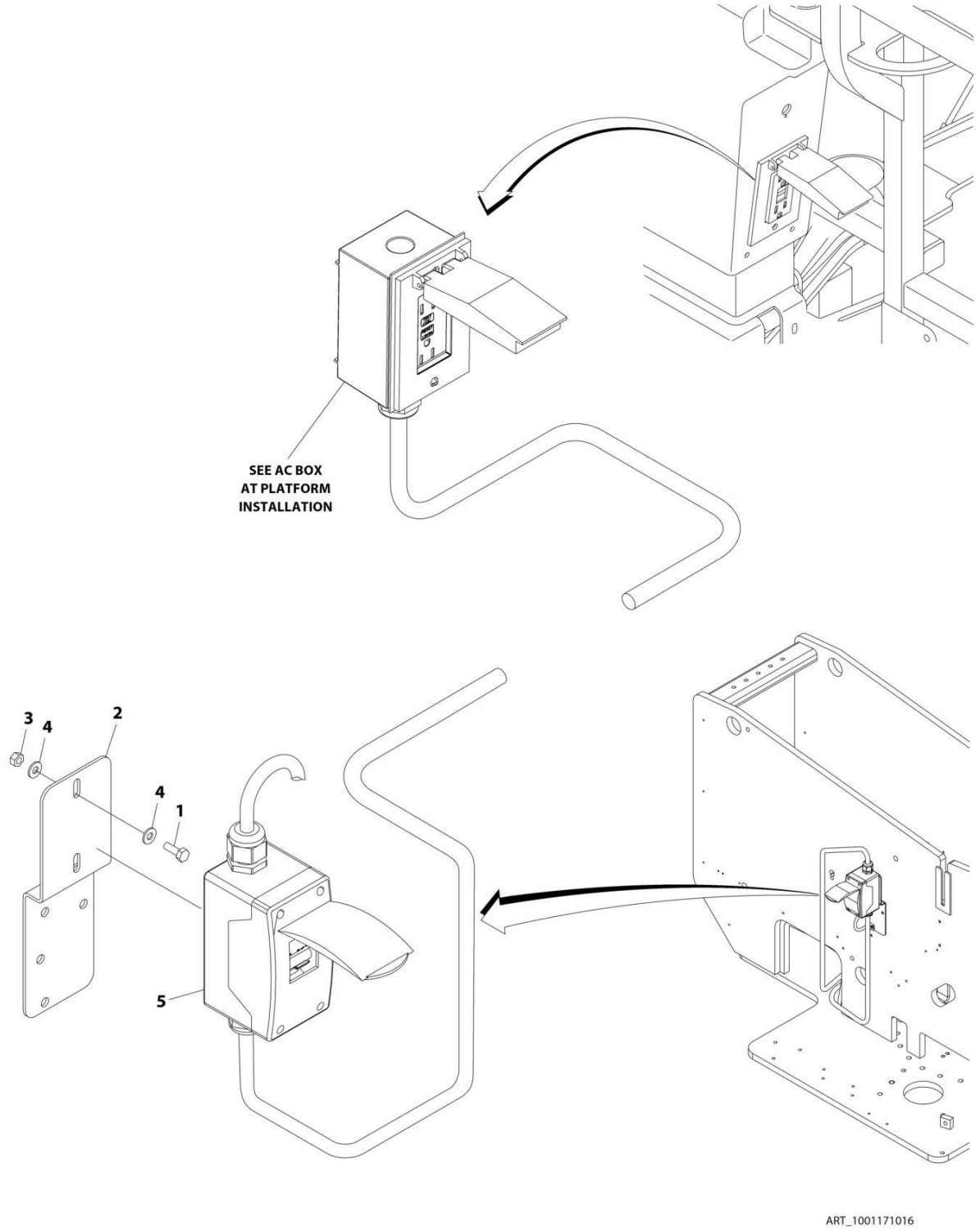


FIGURE 8-36. BREAKER BOX INSTALLATION (BRAZIL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171016	Ref	AC BREAKER BOX INSTALLATION	B
1	0641406	2	Bolt 1/4 x 3/4	
2	0903697	1	Bracket	
3	3311405	2	Nut 1/4	
4	4711400	4	Washer 1/4	
5	1001109654	1	Breaker Box Kit - With 2 Breakers (See Separate Breakdown in this Section)	

FIGURE 8-37. BREAKER BOX INSTALLATION (CE & UK CA SPECS WITHOUT 4000W GENERATOR)

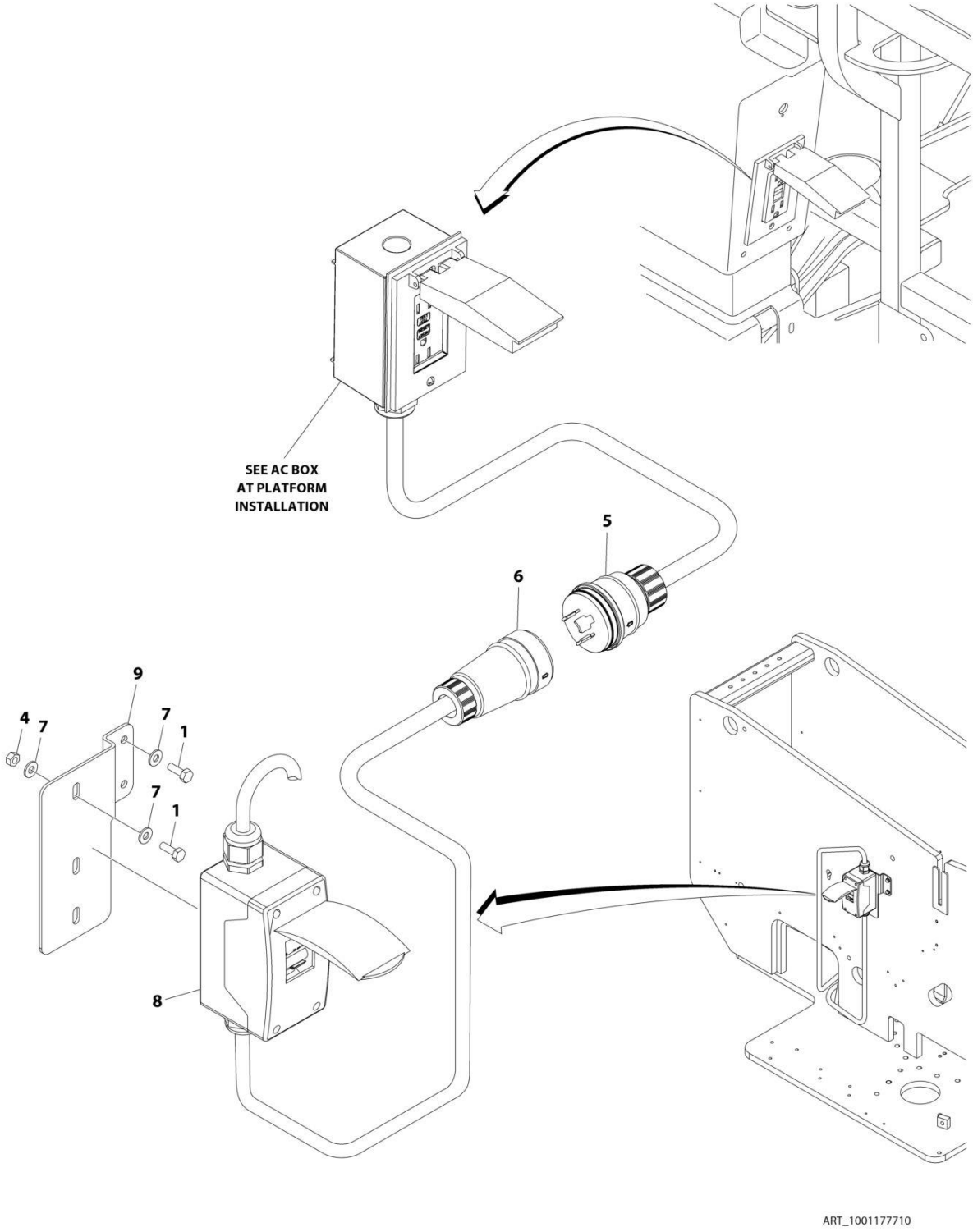


FIGURE 8-37. BREAKER BOX INSTALLATION (CE & UK CA SPECS WITHOUT 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177710	Ref	AC BREAKER BOX INSTALLATION	D
1	0641406	4	Bolt 1/4 x 3/4	
4	3311405	2	Nut 1/4	
5	1001213584	1	Plug, Male	
6	1001213585	1	Receptacle, Female	
7	4711400	6	Washer 1/4	
8	1001109654	1	Breaker Box Kit - With 2 Breakers (See Separate Breakdown in this Section)	
9	1001177035	1	Bracket	

FIGURE 8-38. BREAKER BOX KIT - ONE DOUBLE 16AMP BREAKER (BRAZIL SPECS, CE & UK CA SPECS WITHOUT 4000W GENERATOR)

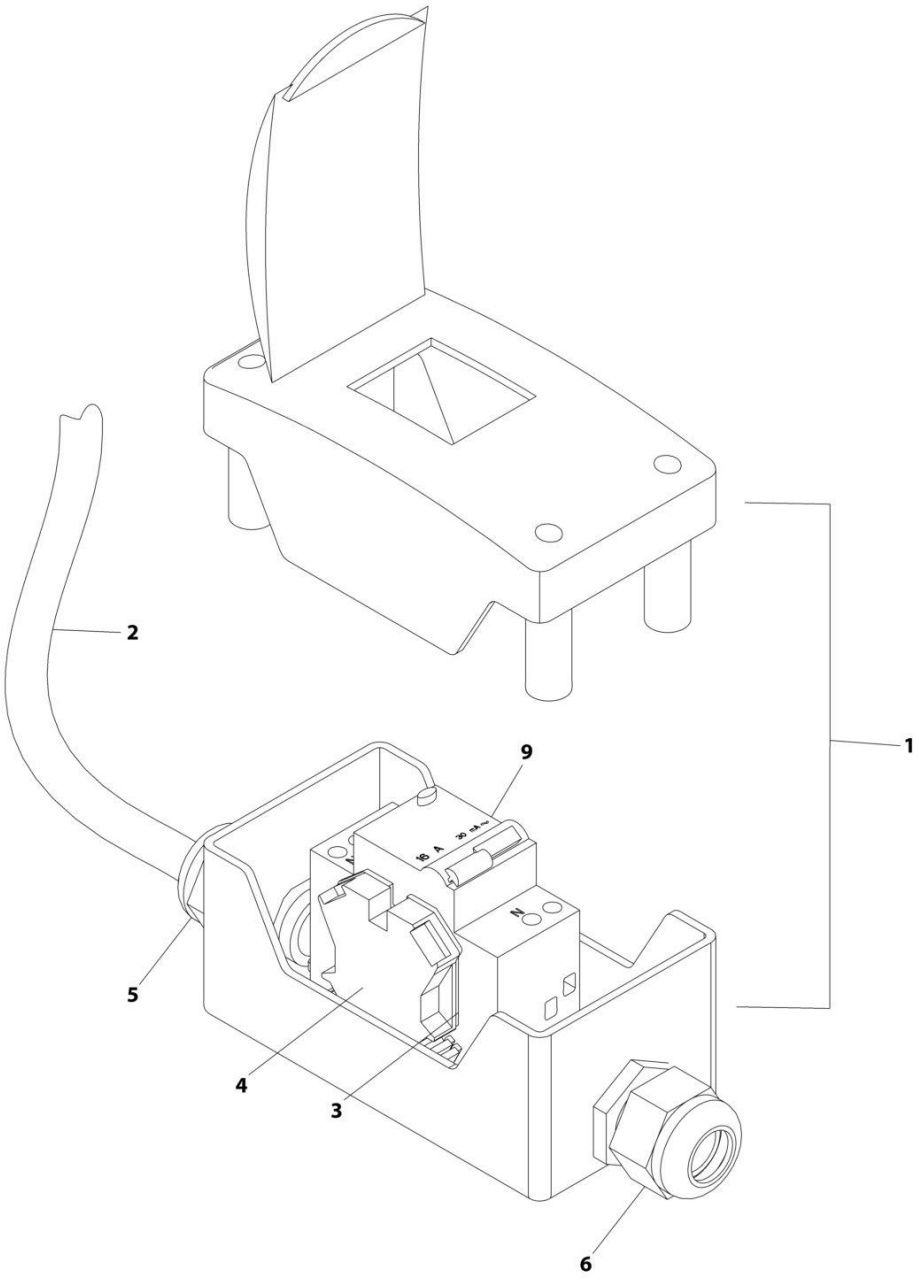


FIGURE 8-38. BREAKER BOX KIT - ONE DOUBLE 16AMP BREAKER (BRAZIL SPECS, CE & UK CA SPECS WITHOUT 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001109654	Ref	BREAKER BOX KIT	C
1	0861880	1	Box, Breaker	
2	1060908	12 ft/ 3.6m	Cable 12/3	
3	4460956	1	Barrier, Terminal Block End	
4	4460957	1	Block, Terminal	
5	1001097150	1	Connector, Strain Relief	
6	1001101191	1	Connector, Strain Relief	
9	1001181045	1	Breaker - 30mA/16Amp	
10	1001100231	3	Terminal (Not Shown)	

FIGURE 8-39. BREAKER BOX KIT - ONE DOUBLE 16AMP BREAKER (CE & UK CA SPECS WITH 4000W GENERATOR)

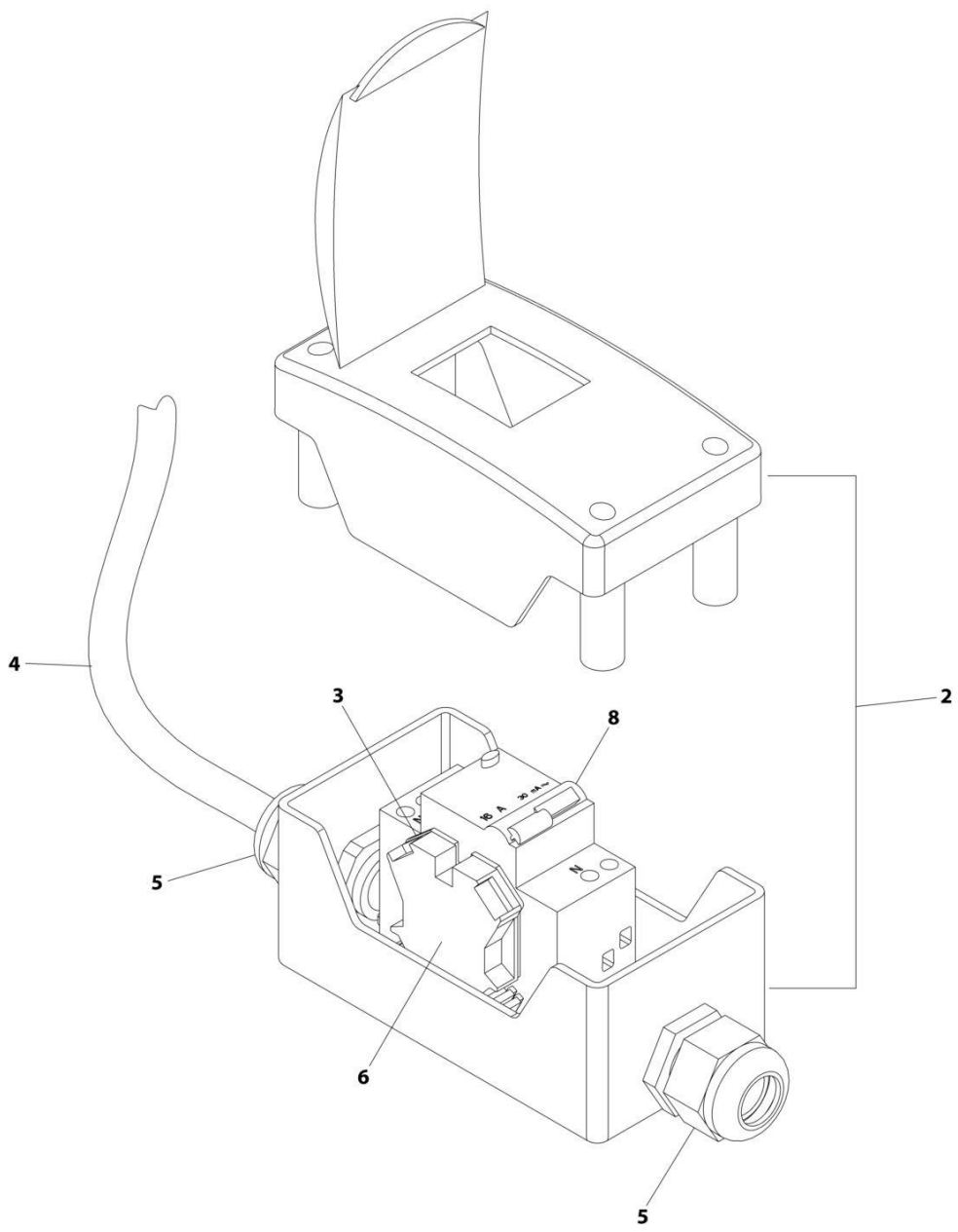
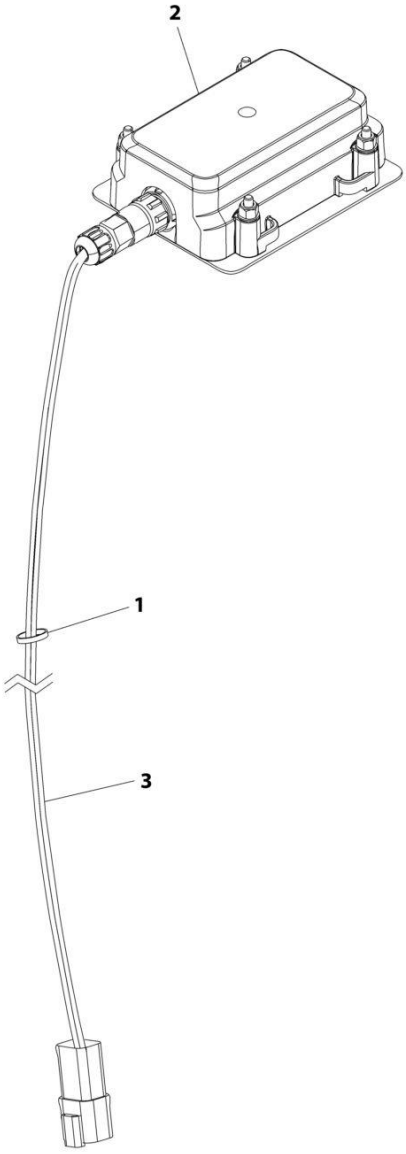


FIGURE 8-39. BREAKER BOX KIT - ONE DOUBLE 16AMP BREAKER (CE & UK CA SPECS WITH 4000W GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165368	Ref	BREAKER BOX KIT	B
2	0861880	1	Box, Circuit Breaker	
3	4460956	1	Barrier, Terminal Block End	
4	1060545	12 ft/ 3.6m	Cable, Electrical 10/3	
5	1001101191	2	Connector, Strain Relief	
6	4460957	1	Block, Terminal	
8	1001181045	1	Breaker 30mA/16Amp	

FIGURE 8-40. CLEARSKY INSTALLATION - 3 WIRE GT1030



ART_1001276610

FIGURE 8-40. CLEARSKY INSTALLATION - 3 WIRE GT1030

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)	

FIGURE 8-41. CLEARSKY INSTALLATION - CANBUS (ANSI SPECS)

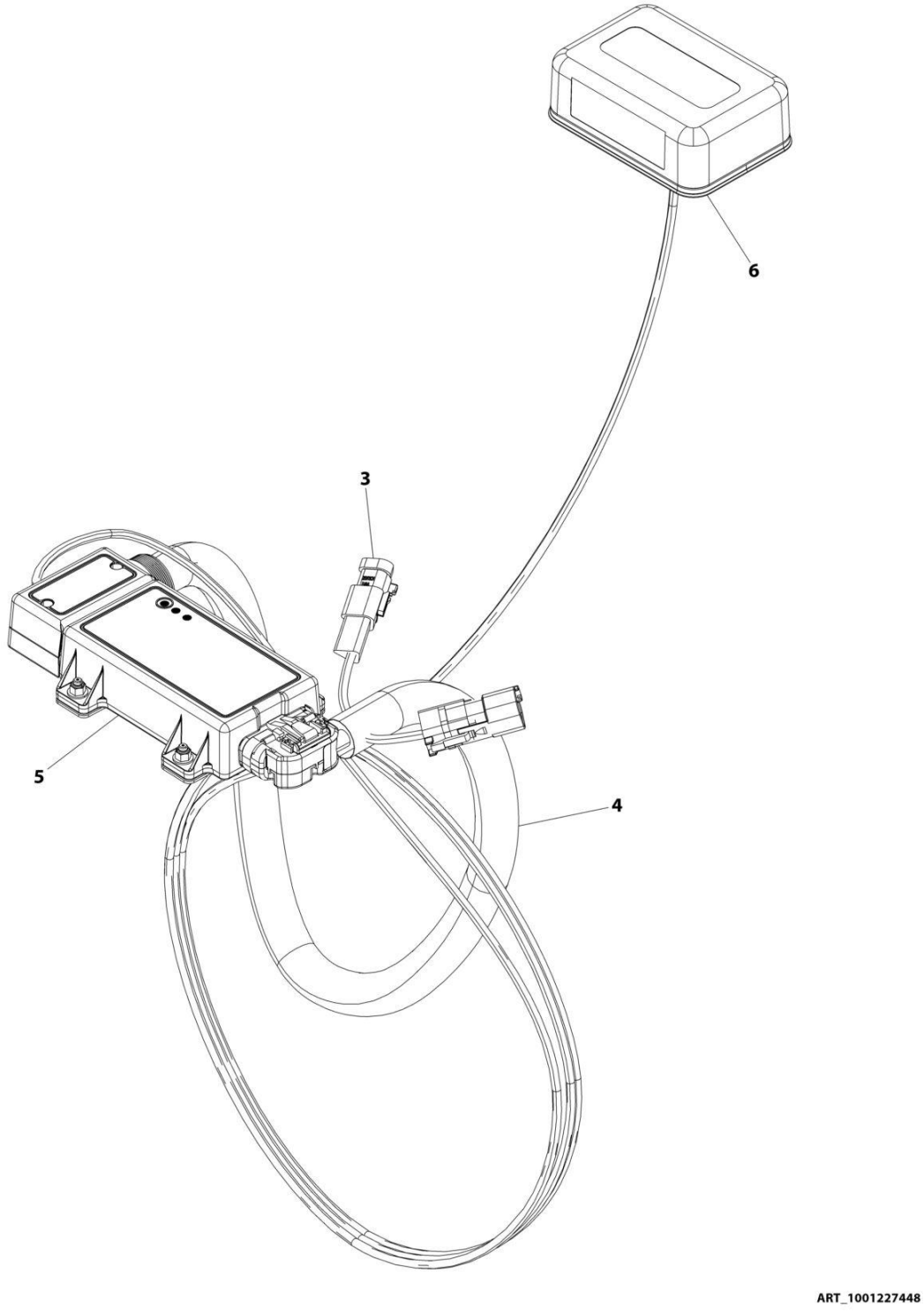


FIGURE 8-41. CLEARSKY INSTALLATION - CANBUS (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227448	REF	CLEARSKY INSTALLATION - CANBUS	B
1	4240032	AR	Tie-Strap (Not Shown)	
2	4460234	AR	Mount, Cable -Tie (Not Shown)	
3	1001116815	1	Plug, Connector	
4	1001226739	1	ClearSky Telematics Harness (See Separate Breakdown in this Section)	
5	1001262322	1	Module, ClearSky	
6	1001262326	1	Antenna	

FIGURE 8-42. CLEARSKY INSTALLATION - CANBUS (AUSTRALIAN SPECS)

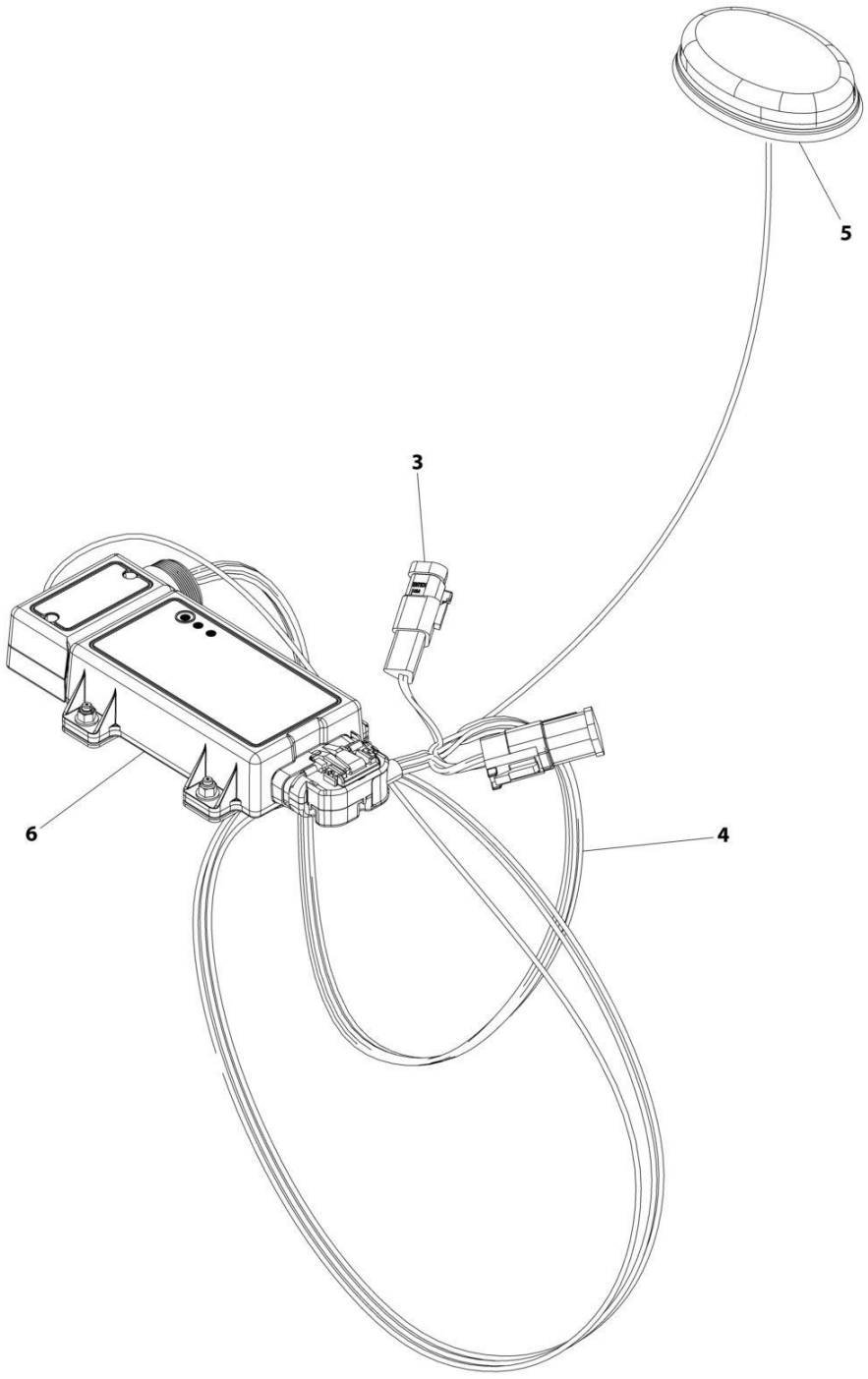


FIGURE 8-42. CLEARSKY INSTALLATION - CANBUS (AUSTRALIAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246473	REF	CLEARSKY INSTALLATION - CANBUS	A
1	4240032	AR	Tie-Strap (Not Shown)	
2	4460234	AR	Mount, Cable -Tie (Not Shown)	
3	1001116815	1	Plug, Connector	
4	1001226739	1	ClearSky Telematics Harness (See Separate Breakdown in this Section)	
5	1001226799	1	Antenna	
6	1001246144	1	Module, ClearSky	

FIGURE 8-43. CLEARSKY INSTALLATION - CANBUS (CE SPECS)

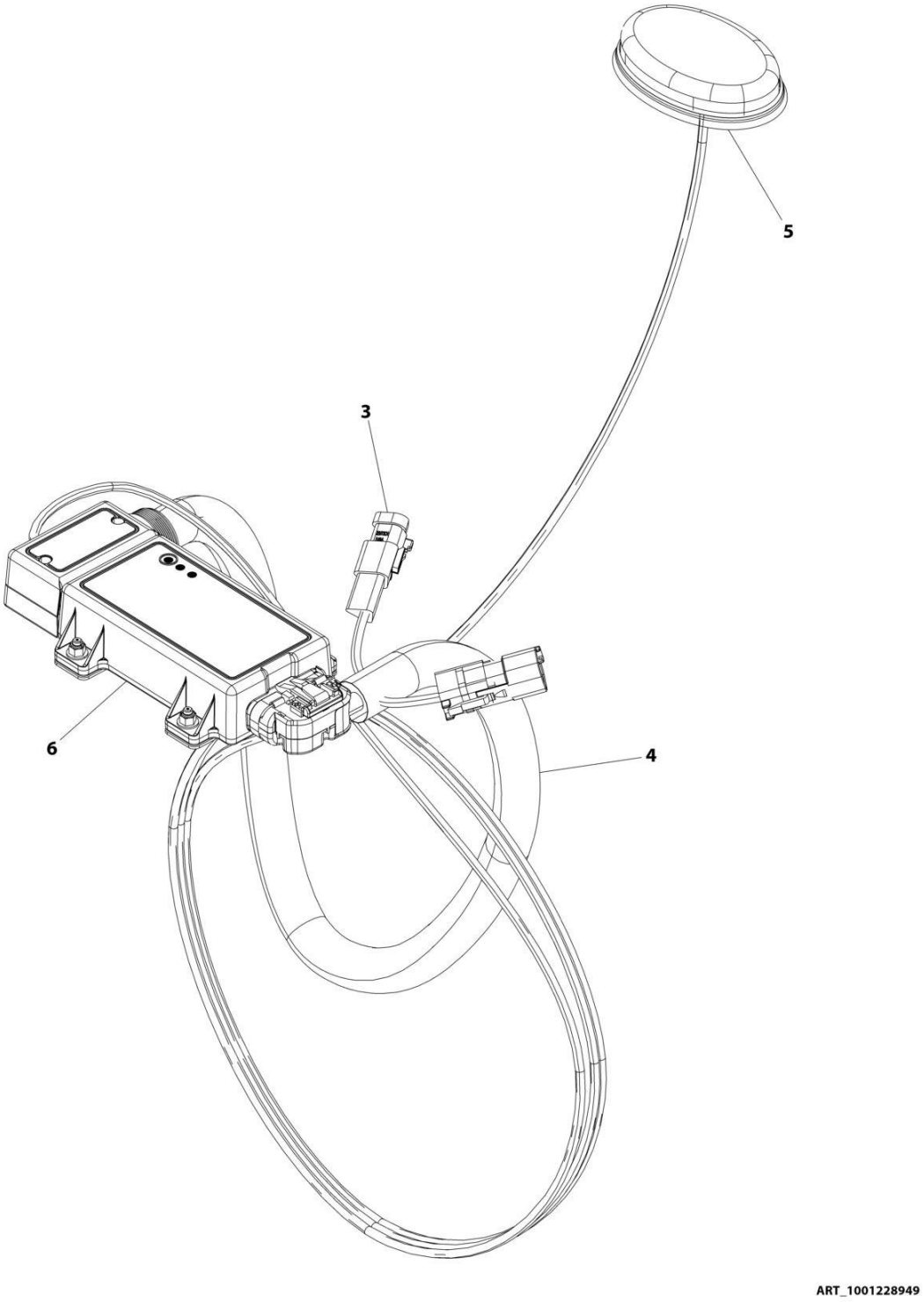


FIGURE 8-43. CLEARSKY INSTALLATION - CANBUS (CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228949	REF	CLEARSKY INSTALLATION - CANBUS	A
1	4240032	AR	Tie-Strap (Not Shown)	
2	4460234	AR	Mount, Cable -Tie (Not Shown)	
3	1001116815	1	Plug, Connector	
4	1001226739	1	ClearSky Telematics Harness (See Separate Breakdown in this Section)	
5	1001226799	1	Antenna	
6	1001228954	1	Module, ClearSky	

FIGURE 8-44. CLEARSKY INSTALLATION - CANBUS (CHINA SPECS)

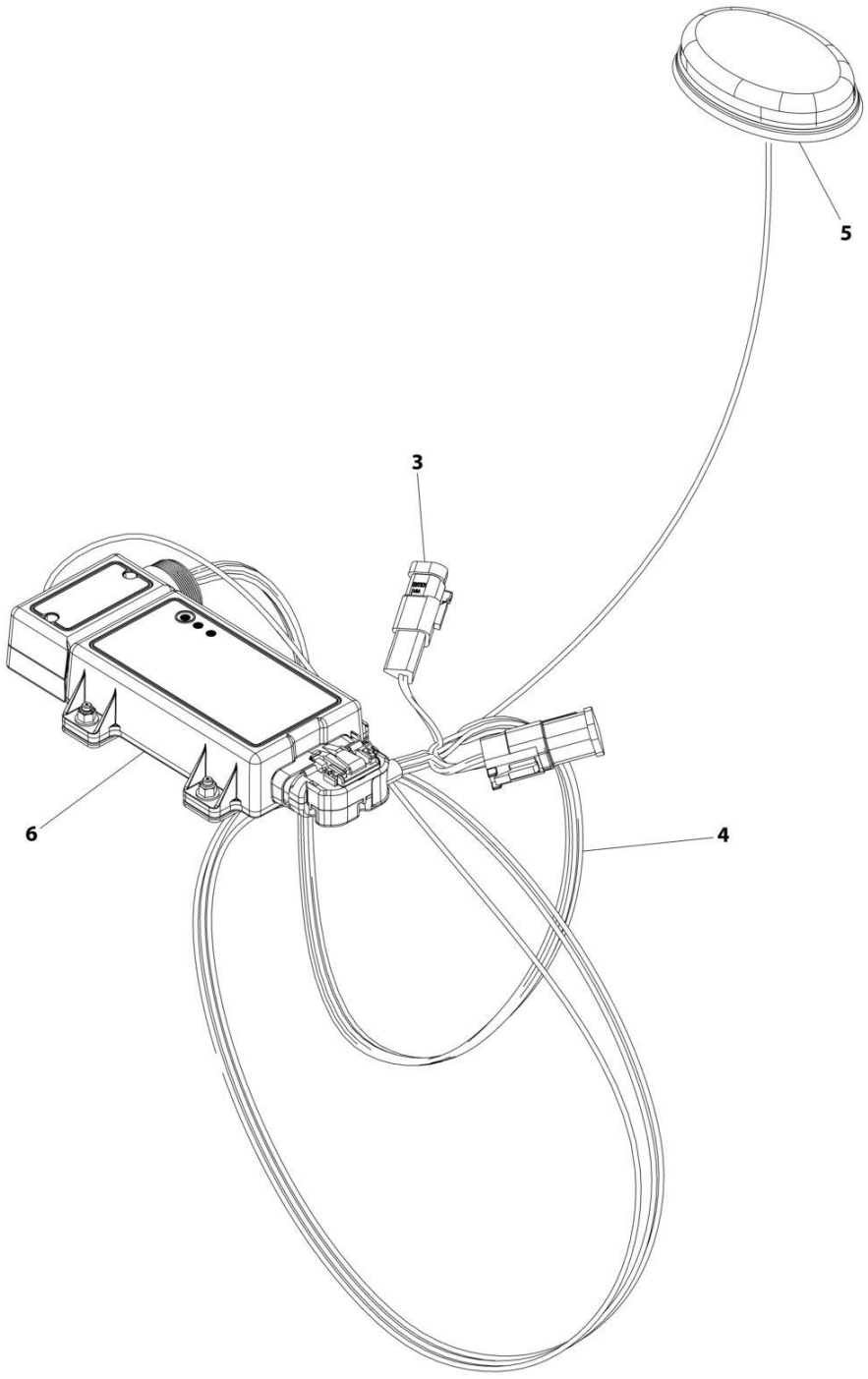


FIGURE 8-44. CLEARSKY INSTALLATION - CANBUS (CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246474	Ref	CLEARSKY INSTALLATION - CANBUS	A
1	4240032	AR	Tie-Strap (Not Shown)	
2	4460234	AR	Mount, Cable -Tie (Not Shown)	
3	1001116815	1	Plug, Connector	
4	1001226739	1	ClearSky Telematics Harness (See Separate Breakdown in this Section)	
5	1001226799	1	Antenna	
6	1001246145	1	Module, ClearSky	

FIGURE 8-45. CLEARSKY TELEMATCIS HARNESS (3-WIRE)

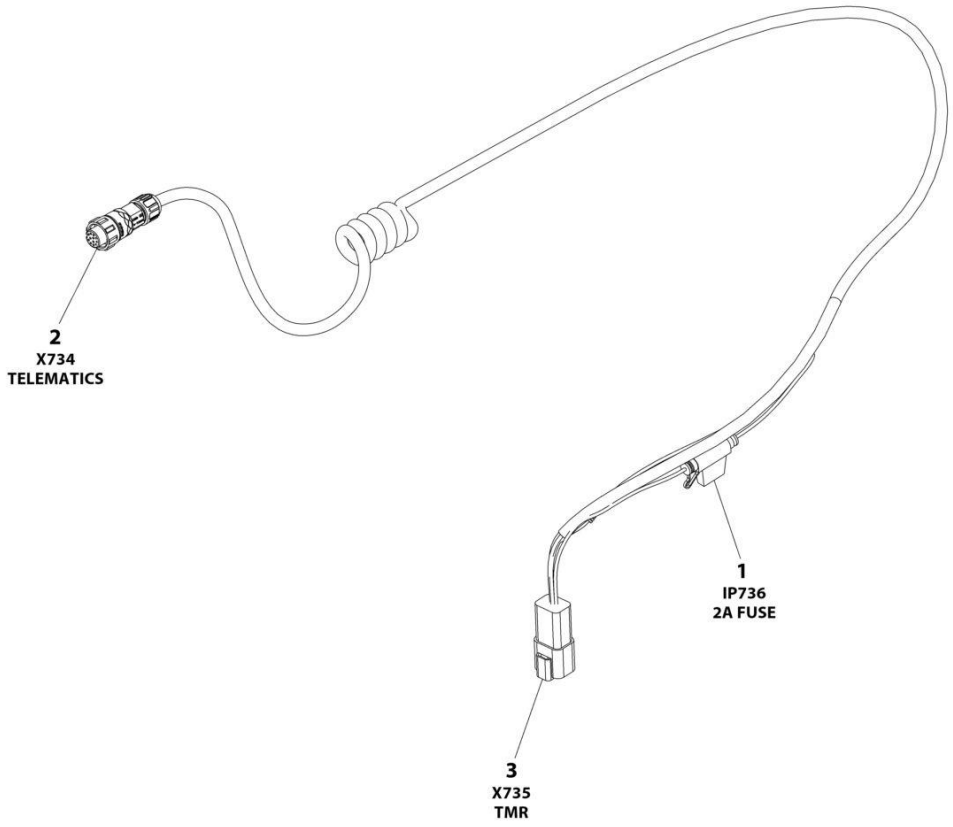


FIGURE 8-45. CLEARSKY TELEMATCIS HARNESS (3-WIRE)

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	

FIGURE 8-46. CLEARSKY TELEMATCIS HARNESS (CANBUS)

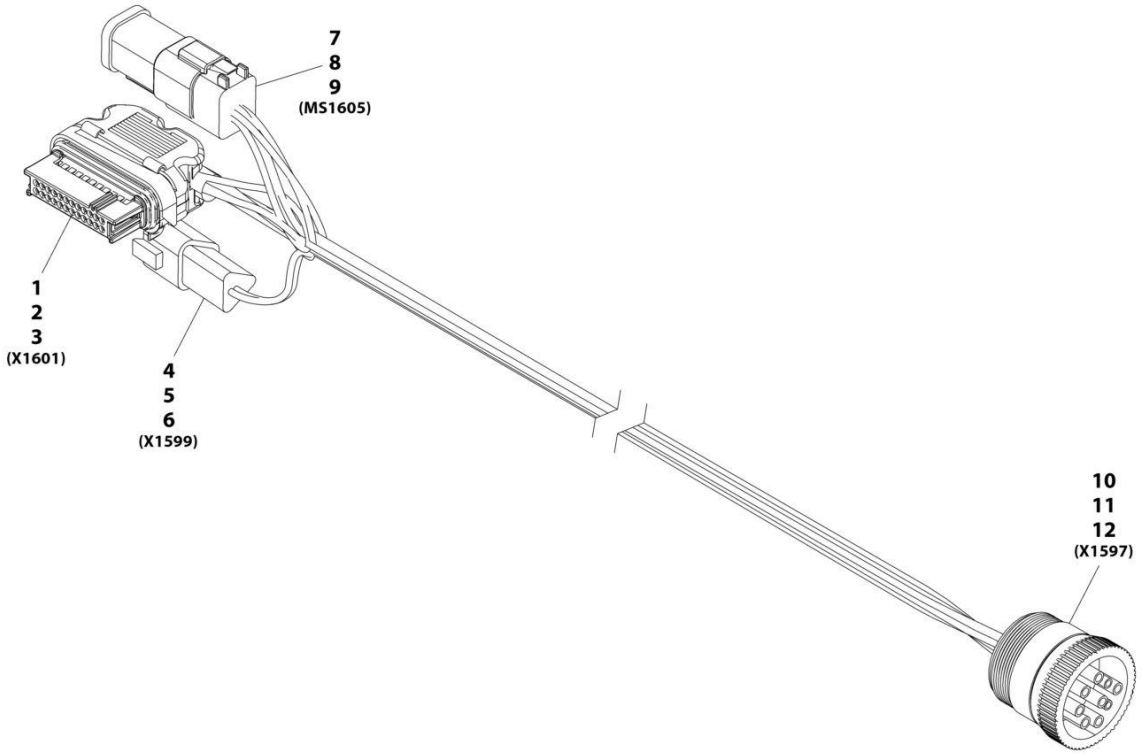


FIGURE 8-46. CLEARSKY TELEMATCIS HARNESS (CANBUS)

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	

FIGURE 8-47. ENGINE HARNESS - DEUTZ D2011 ENGINES (Prior to SN 0300298282)

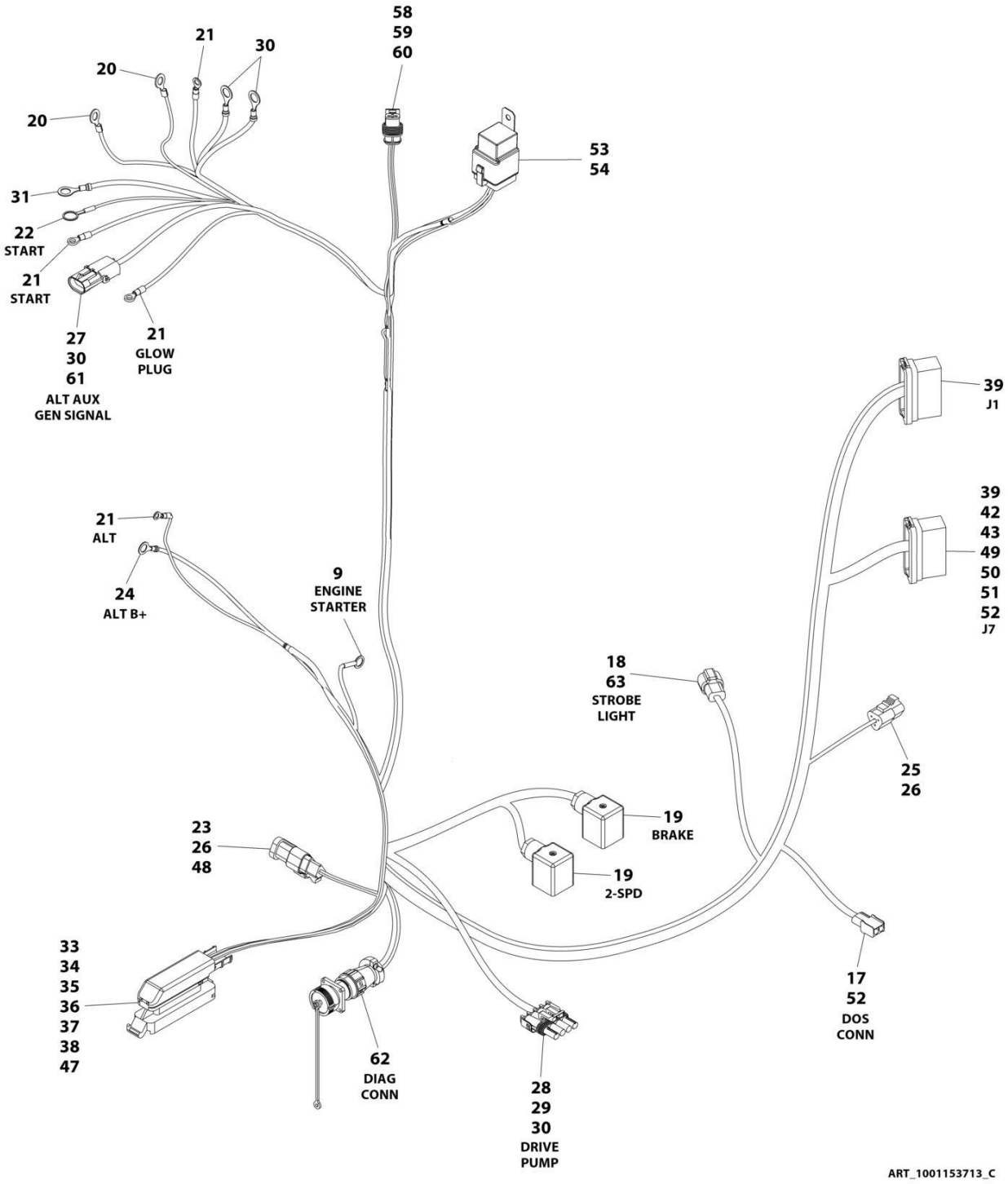


FIGURE 8-47. ENGINE HARNESS - DEUTZ D2011 ENGINES (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153713	Ref	ENGINE HARNESS - DEUTZ D2011 ENGINES	C
9	4460142	1	Terminal - Ring	
17	4460424	1	Connector - 2 Position	
18	4460464	2	Pin, Male	
19	1001263923	2	Connector, Din	
20	4460312	2	Terminal, Ring	
21	4460313	4	Terminal, Ring	
22	4460019	1	Terminal, Ring	
23	4461070	1	Connector - 3 Position	
24	4460043	1	Terminal, Ring 16 GA 1/4 Stud	
25	4460539	1	Position Plug, Male - 3 Position	
26	4460944	6	Socket, Female	
27	4460979	2	Pin, Male	
28	4460460	1	Connector	
29	4460457	4	Sleeve	
30	4460458	6	Seal	
31	4460670	3	Terminal, Ring	
33	4461052	1	Conenctor - 25 Position	
34	4461005	5	Terminal	
35	4461060	2	Terminal	
36	4461006	5	Seal	
37	4461054	2	Seal	
38	4461008	18	Plug, Terminal	
39	4460871	10	Socket, Female	
42	4460464	1	Terminal	
43	4460887	1	Terminal	
47	4461053	1	Cover	
48	4461095	1	Plug, Male - 3 Position	
49	4460465	2	Socket, Female	
50	4460259	1	Terminal	
51	4460260	1	Cover, Terminal	
52	4460226	4	Socket, Female	
53	4460374	1	Plug	
54	4460375	4	Terminal	
58	1001102290	1	Connector	
59	1001102304	2	Seal	
60	1001102291	2	Terminal	
61	4461157	1	Connector - 2 Position	
62	2902443	1	Kit, Receptacle	
62	4461073	1	Cap, Dust	
63	4460897	1	Connector	

FIGURE 8-48. ENGINE HARNESS - DEUTZ D2011 ENGINES (SN 0300298282 to Present)

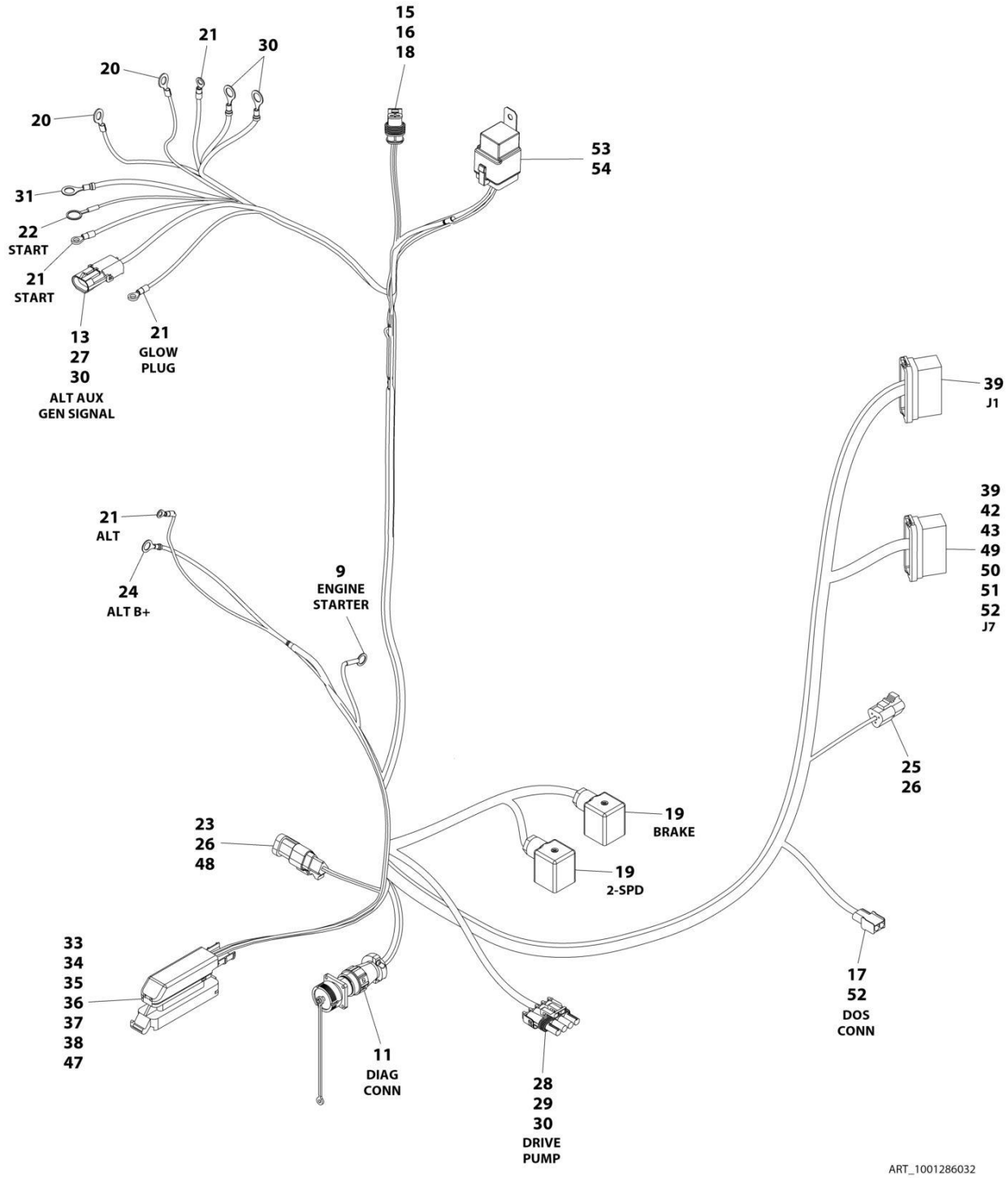


FIGURE 8-48. ENGINE HARNESS - DEUTZ D2011 ENGINES (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286032	Ref	ENGINE HARNESS - DEUTZ D2011 ENGINES	A
9	4460142	1	Terminal, Ring	
11	2902443	1	Kit, Receptacle	
11	4461073	1	Cap, Dust	
13	4461157	1	Connector	
15	1001102290	1	Connector	
16	1001102291	2	Terminal	
17	4460424	1	Connector	
18	1001102304	2	Seal	
19	1001263923	2	Connector	
20	4460312	2	Terminal, Ring	
21	4460313	4	Terminal, Ring	
22	4460019	1	Terminal, Ring	
23	4461070	1	Connector	
24	4460043	1	Terminal, Ring	
25	4460539	1	Pin	
26	4460944	6	Socket	
27	4460979	2	Pin	
28	4460460	1	Connector	
29	4460457	4	Sleeve	
30	4460458	6	Seal	
31	4460670	3	Terminal, Ring	
33	4461052	1	Connector	
34	4461005	5	Terminal	
35	4461060	2	Terminal	
36	4461006	5	Seal	
37	4461054	2	Seal	
38	4461008	18	Plug, Terminal	
39	4460871	10	Socket	
43	4460887	1	Terminal	
47	4461053	1	Cover	
48	4461095	1	Pin	
49	4460465	2	Socket	
50	4460259	1	Terminal	
51	4460260	1	Cover, Terminal	
52	4460226	4	Socket	
53	4460374	1	Plug	
54	4460375	4	Terminal	

FIGURE 8-49. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES (Prior to SN 0300298282)

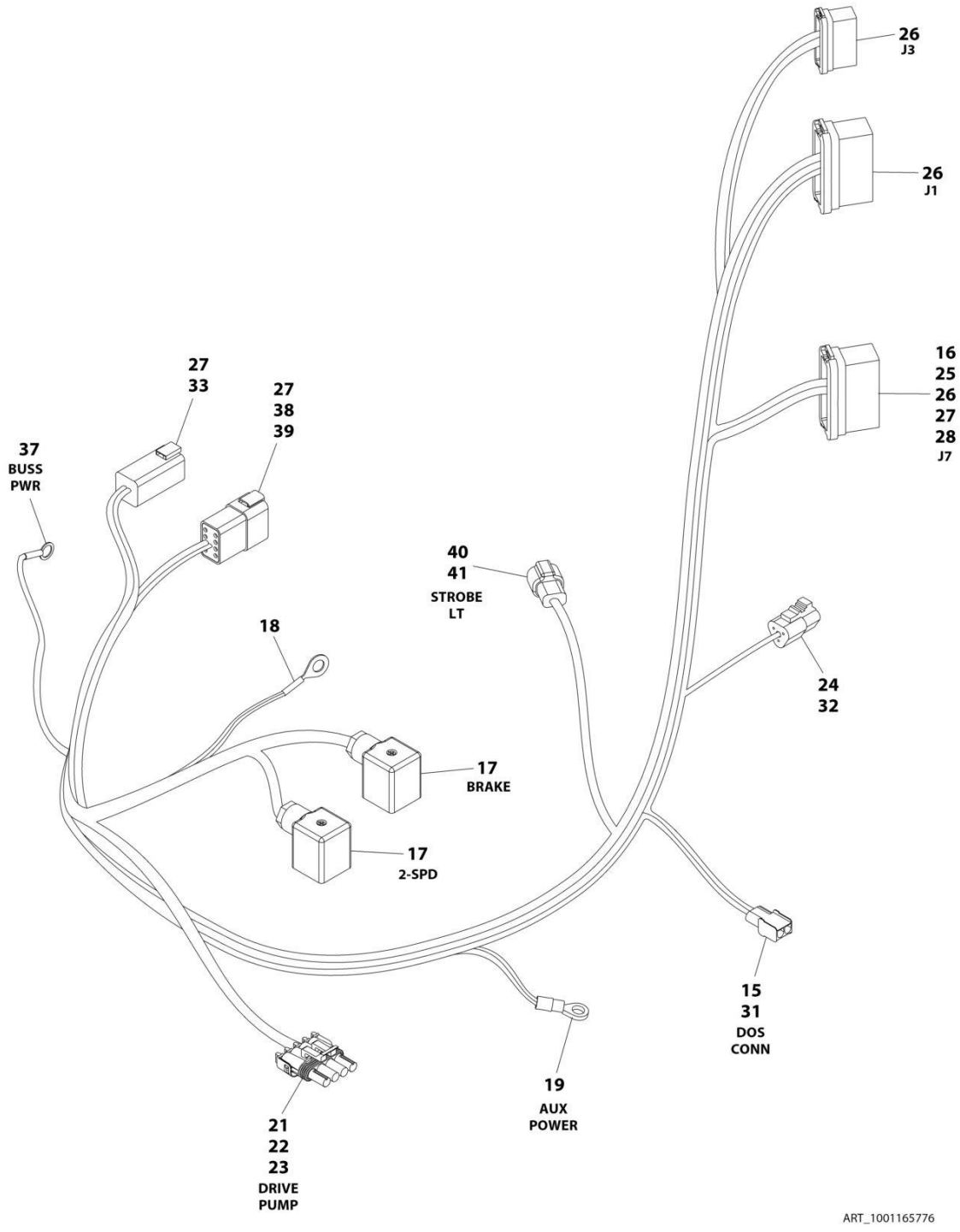


FIGURE 8-49. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165776	Ref	ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES	F
15	4460424	1	Connector - 2 Position	
16	4460268	1	Socket, Female	
17	4460880	2	Connector, Din	
18	4460019	1	Terminal, Ring	
19	4460313	1	Terminal, Ring	
21	4460460	1	Connector	
22	4460457	4	Terminal	
23	4460458	4	Seal	
24	4460539	1	Connector - 3 Position	
25	4460465	3	Socket, Female	
26	4460871	11	Socket, Female	
27	4460464	11	Pin, Male	
28	4460887	1	Terminal	
31	4460226	2	Socket, Female	
32	4460944	3	Socket, Female	
33	4460899	1	Receptacle, Female - 6 Position	
37	4460738	1	Terminal, Ring	
38	4460931	1	Plug, Male	
39	4460466	4	Plug, Terminal	
40	4460897	1	Connector - 2 Position	
41	1001116693	2	Terminal	

FIGURE 8-50. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES (SN 0300298282 to Present)

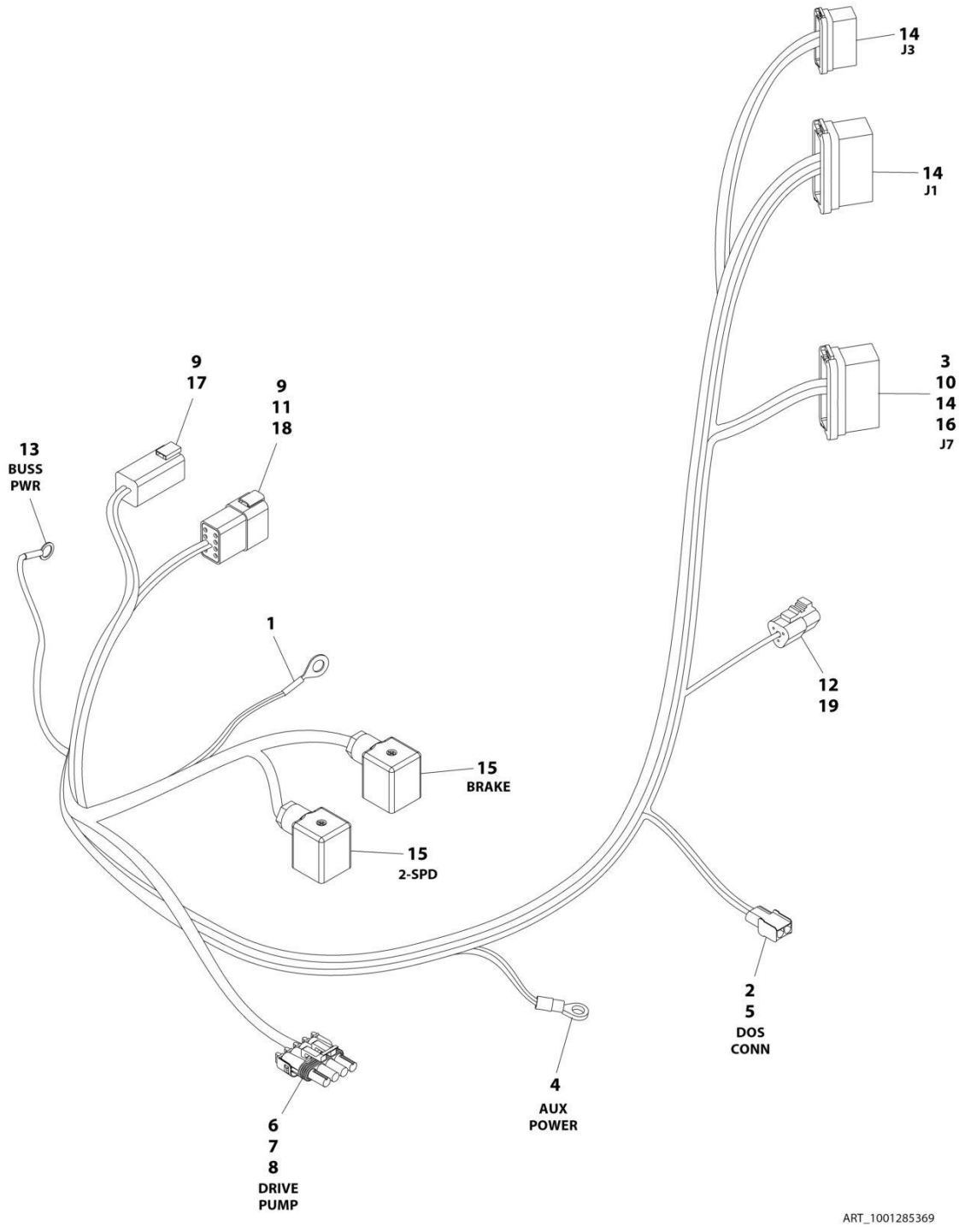


FIGURE 8-50. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285369	Ref	ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES	A
1	4460019	1	Connector	
2	4460226	2	Socket	
3	4460268	1	Socket	
4	4460313	1	Terminal, Ring	
5	4460424	1	Connector	
6	4460457	4	Terminal	
7	4460458	4	Seal	
8	4460460	1	Connector	
9	4460464	10	Pin	
10	4460465	3	Socket	
11	4460466	4	Plug, Terminal	
12	4460539	1	Connector	
13	4460738	1	Terminal, Ring	
14	4460871	11	Socket	
15	4460880	2	Connector	
16	4460887	1	Terminal	
17	4460899	1	Connector	
18	4460931	1	Connector	
19	4460944	3	Socket	

FIGURE 8-51. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES AND DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES

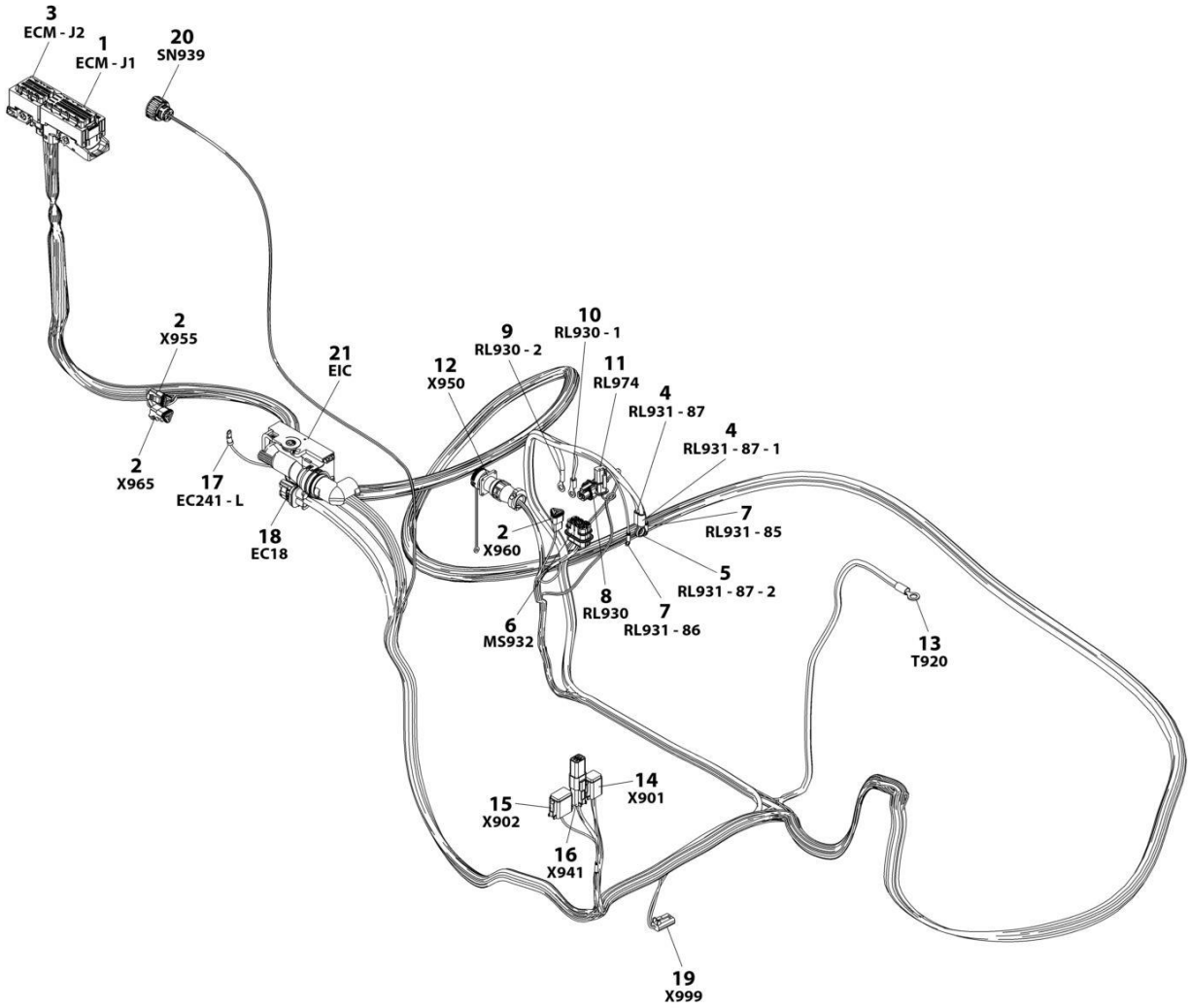


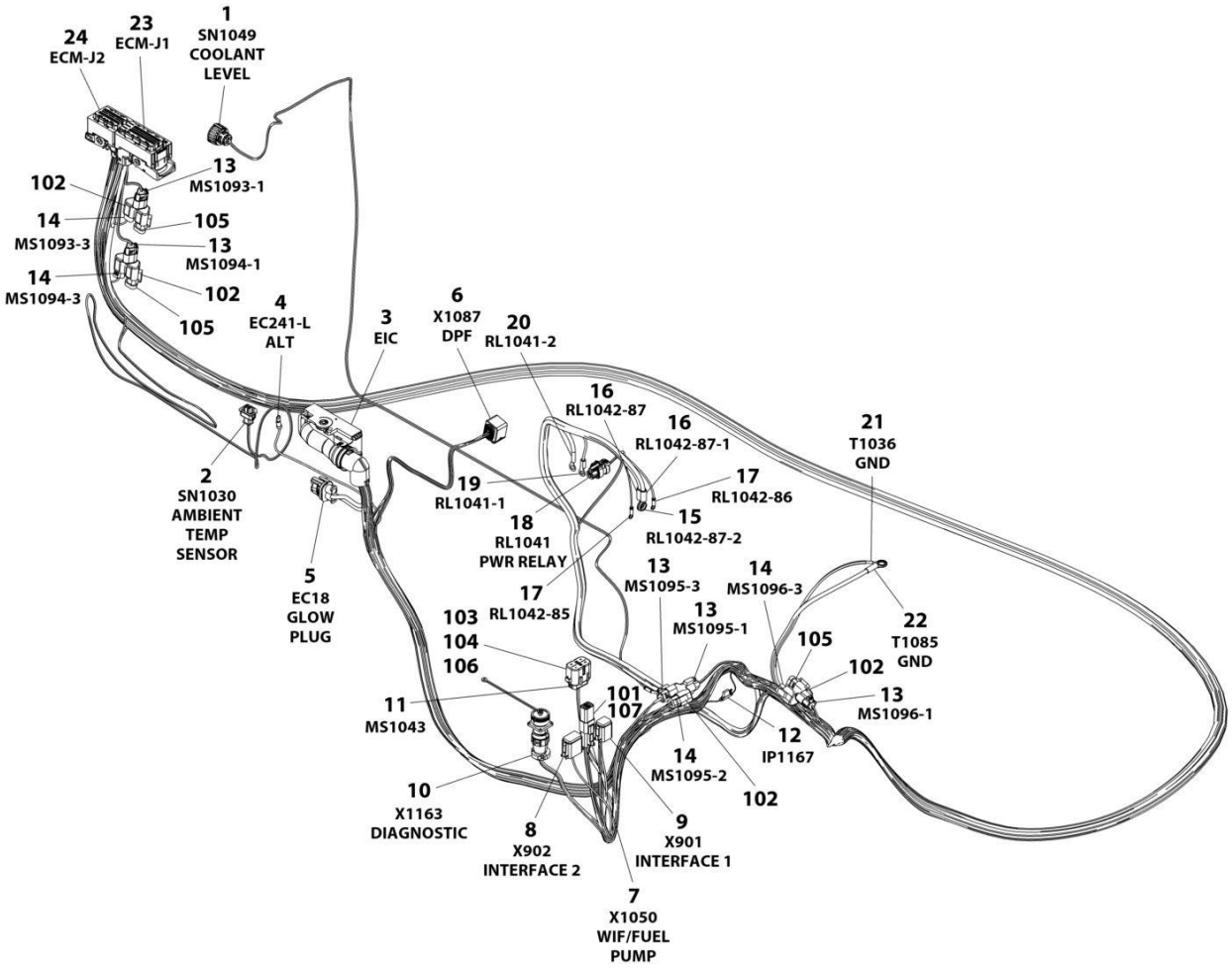
FIGURE 8-51. ENGINE HARNESS - DEUTZ TD2.9L4 ENGINES AND DEUTZ TD2.9L4 (STAGE V PRE-BUY) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001143726	Ref	ENGINE HARNESS	L
1	1001133956	1	Connector - 94 Position	
1	1001126351	2	Terminal	
1	1001126352	6	Terminal	
1	1001126384	21	Terminal	
1	1001126357	2	Plug, Terminal	
1	1001126356	63	Plug, Terminal	
2	4461095	3	Plug, Male - 3 Position	
2	4460944	6	Socket, Female	
2	4460466	3	Plug, Terminal	
3	1001133957	1	Connector - 60 Position	
3	1001126351	13	Terminal	
3	1001126384	17	Terminal	
3	1001126357	11	Plug, Terminal	
3	1001126356	19	Plug, Terminal	
4	1001117107	2	Terminal, Ring	
5	4460703	1	Terminal, Ring	
6	80484084	1	Plug, Male - 8 Position	
6	8229242	1	Fuse - 5Amp	
6	80983191	1	Fuse - 10Amp	
6	1001116728	4	Socket, Female	
6	1001116727	4	Plug, Terminal	
6	4460458	4	Seal, Terminal	
6	1001147264	1	Cap	
7	4460247	2	Terminal, Ring	
8	1001116952	1	Plug, Male - 2 Position	
8	4460465	2	Socket, Female	
9	1001117106	1	Terminal, Ring	
10	4460043	1	Terminal, Ring	
11	1001138110	1	Connector - 2 Position	
11	1001138111	2	Termianl	
11	1001138113	2	Seal	
12	2902443	1	Receptacle Kit	
12	4461073	1	Cap, Dust	
12	4461071	6	Terminal	
13	8220115	1	Terminal, Ring	
14	4460894	1	Plug, Male - 6 Position	
14	4460465	3	Socket, Female	
14	4460944	2	Socket, Female	
14	4460466	1	Plug, Terminal	
15	4460930	1	Plug, Male - 8 Position	
15	4460465	1	Socket, Female	
15	4460466	7	Plug, Terminal	
16	1001220379	1	Plug, Male - 4 Position	
16	1001220379	1	Plug, Male - 4 Position (600SC,660SJC,800A,800AJ)	
16	4460465	2	Socket, Female	
16	4460942	2	Socket, Female	
16	4460932	1	Receptacle, Bussbar - 4 Position	
17	4460042	1	Terminal, Ring	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	1001142938	1	Plug, Male - 2 Position	
18	1001142940	2	Terminal	
18	1001142941	2	Seal	
19	4460891	1	Plug, Male - 4 Position	
19	4460465	2	Socket, Female	
19	1001171403	1	Resistor Assembly	
19	4460897	1	Receptacle, Female - 4 Position	
20	1001133714	1	Connector - 4 Position	
20	1001133715	3	Terminal	
20	1001135650	3	Seal, Terminal	
20	1001135651	1	Plug, Terminal	
21	1001126362	1	Connector - 62 Position	
21	1001126363	23	Terminal	
21	1001126392	10	Terminal	
21	1001126365	2	Terminal	
21	1001126391	23	Plug, Terminal	
21	4461008	4	Plug, Terminal	
21	1001256506	2	Seal, Terminal	
21	1001126364	21	Seal, Terminal	
21	1001223459	10	Seal, Terminal	
21	4461008	4	Plug, Terminal	
21	1001151856	1	Elbow	

FIGURE 8-52. ENGINE HARNESS - DEUTZ TD2.9L4 (STAGE V SN PRIOR TO 0300294888, CHINA IV SN PRIOR TO 0300296643) ENGINES



ART_1001238878

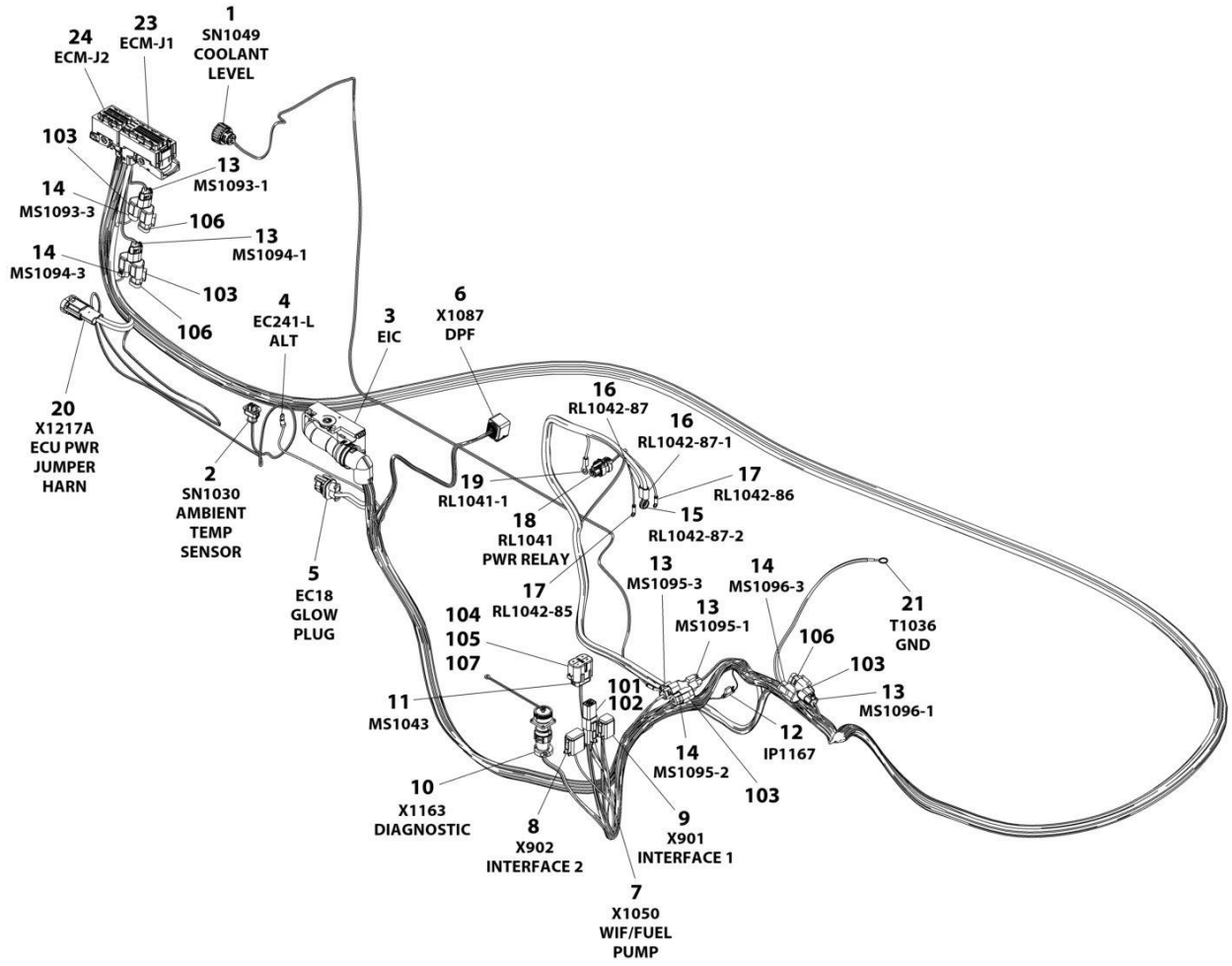
FIGURE 8-52. ENGINE HARNESS - DEUTZ TD2.9L4 (STAGE V SN PRIOR TO 0300294888, CHINA IV SN PRIOR TO 0300296643) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238878	Ref	Engine Harness - Deutz Engines	F
1	1001133714	1	Connector - 4 Position	
1	1001133715	3	Terminal	
1	1001135650	3	Seal, Terminal	
1	1001135651	1	Plug, Terminal	
2	1001126487	1	Connector - 2 Position	
2	1001167635	2	Terminal	
2	1001126485	2	Seal, Terminal	
3	1001126362	1	Connector - 62 Position	
3	1001126363	37	Terminal	
3	1001126392	12	Terminal	
3	1001126391	7	Plug, Terminal	
3	4461008	4	Plug, Terminal	
3	1001167632	2	Terminal	
3	1001126364	37	Seal, Terminal	
3	1001223459	12	Seal, Terminal	
3	4461054	2	Seal, Terminal	
4	4460042	1	Terminal, Ring	
5	1001142938	1	Plug, Male - 2 Position	
5	1001142940	2	Terminal	
5	1001142941	2	Seal	
6	1001239202	1	Connector - 8 Position	
6	1001126363	7	Terminal	
6	1001126391	1	Plug, Terminal	
6	1001126364	7	Seal, Terminal	
7	4460884	1	Connector - 4 Position	
7	4460465	2	Socket, Female	
7	4460942	2	Socket, Female	
8	4460930	1	Plug, Male - 8 Position	
8	4460465	1	Socket, Female	
8	4460466	7	Plug, Terminal	
9	4460894	1	Plug, Male - 6 Position	
9	4460465	2	Socket, Female	
9	4460944	2	Socket, Female	
9	4460466	2	Plug, Terminal	
10	2902443	1	Receptacle Kit	
10	4461073	1	Cap, Dust	
10	4461071	6	Terminal	
11	80484084	1	Plug, Male - 8 Position	
11	4460748	4	Seal, Terminal	
11	4460746	3	Terminal	
11	1001234800	1	Terminal	
11	4460458	4	Seal, Terminal	
12	1001170764	1	Fuse Holder, Includes Resistor	
12	1001197719	1	Resistor 0.5W	
13	1001116812	5	Plug, Male - 3 Position	
13	4460944	10	Socket, Female	
13	4460466	5	Plug, Terminal	
14	4460539	4	Connector - 3 Position	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
14	4460944	8	Socket, Female	
14	4460466	4	Plug, Terminal	
15	4460703	1	Terminal, Ring	
16	1001117107	2	Terminal, Ring	
17	4460247	2	Terminal, Ring	
18	1001116952	1	Plug, Male - 2 Position	
18	4460465	2	Socket, Female	
19	4460043	1	Terminal, Ring	
20	1001117106	1	Terminal, Ring	
21	4460019	1	Terminal, Ring	
22	8220164	1	Terminal, Ring	
23	1001133956	1	Connector - 94 Position	
23	1001126351	3	Terminal	
23	1001182361	6	Terminal	
23	1001230934	25	Terminal	
23	1001230935	55	Plug, Terminal	
23	1001252527	4	Terminal	
23	1001230936	1	Plug, Terminal	
23	1001182365	6	Seal, Terminal	
24	1001133957	1	Connector - 60 Position	
24	1001126351	13	Terminal	
24	1001230935	10	Plug, Terminal	
24	1001230934	26	Terminal	
24	1001230936	11	Plug, Terminal	
101	4460932	1	Connector - Female	
102	4460945	4	Receptacle, 3 Way	
103	8229242	1	Fuse - 5Amp	
104	80983191	1	Fuse - 10Amp	
105	1001116815	3	Connector	
106	1001147264	1	Cap	
107	4460466	4	Seal, Terminal	

FIGURE 8-53. ENGINE HARNESS - DEUTZ TD2.9L4 (STAGE V SN 0300294888 TO PRESENT, CHINA IV SN 0300296643 TO PRESENT) ENGINES



ART_1001276644

FIGURE 8-53. ENGINE HARNESS - DEUTZ TD2.9L4 (STAGE V SN 0300294888 TO PRESENT, CHINA IV SN 0300296643 TO PRESENT) ENGINES

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

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
14	4460944	8	Socket	
14	4460466	4	Plug, Terminal	
15	4460703	1	Terminal, Ring	
16	1001117107	2	Terminal, Ring	
17	4460247	2	Terminal, Ring	
18	1001116952	1	Plug	
18	4460465	2	Socket	
19	4460043	1	Terminal, Ring	
20	1001289552	1	Connector	
20	1001289553	2	Socket	
20	1001142941	2	Seal	
21	4460019	1	Terminal, Ring	
23	1001133956	1	Connector	
23	1001126351	3	Terminal	
23	1001182361	6	Terminal	
23	1001230934	25	Terminal	
23	1001230935	55	Plug, Terminal	
23	1001252527	4	Terminal	
23	1001230936	1	Plug, Terminal	
23	1001182365	6	Seal, Terminal	
24	1001133957	1	Connector	
24	1001126351	13	Terminal	
24	1001230935	10	Plug, Terminal	
24	1001230934	26	Terminal	
24	1001230936	11	Plug, Terminal	
101	4460466	4	Seal, Terminal	
102	4460932	1	Connector	
103	4460945	4	Receptacle	
104	8229242	1	Fuse - 5Amp	
105	80983191	1	Fuse - 10Amp	
106	1001116815	3	Connector	
107	1001147264	1	Cap	

FIGURE 8-54. ECU POWER JUMPER HARNESS

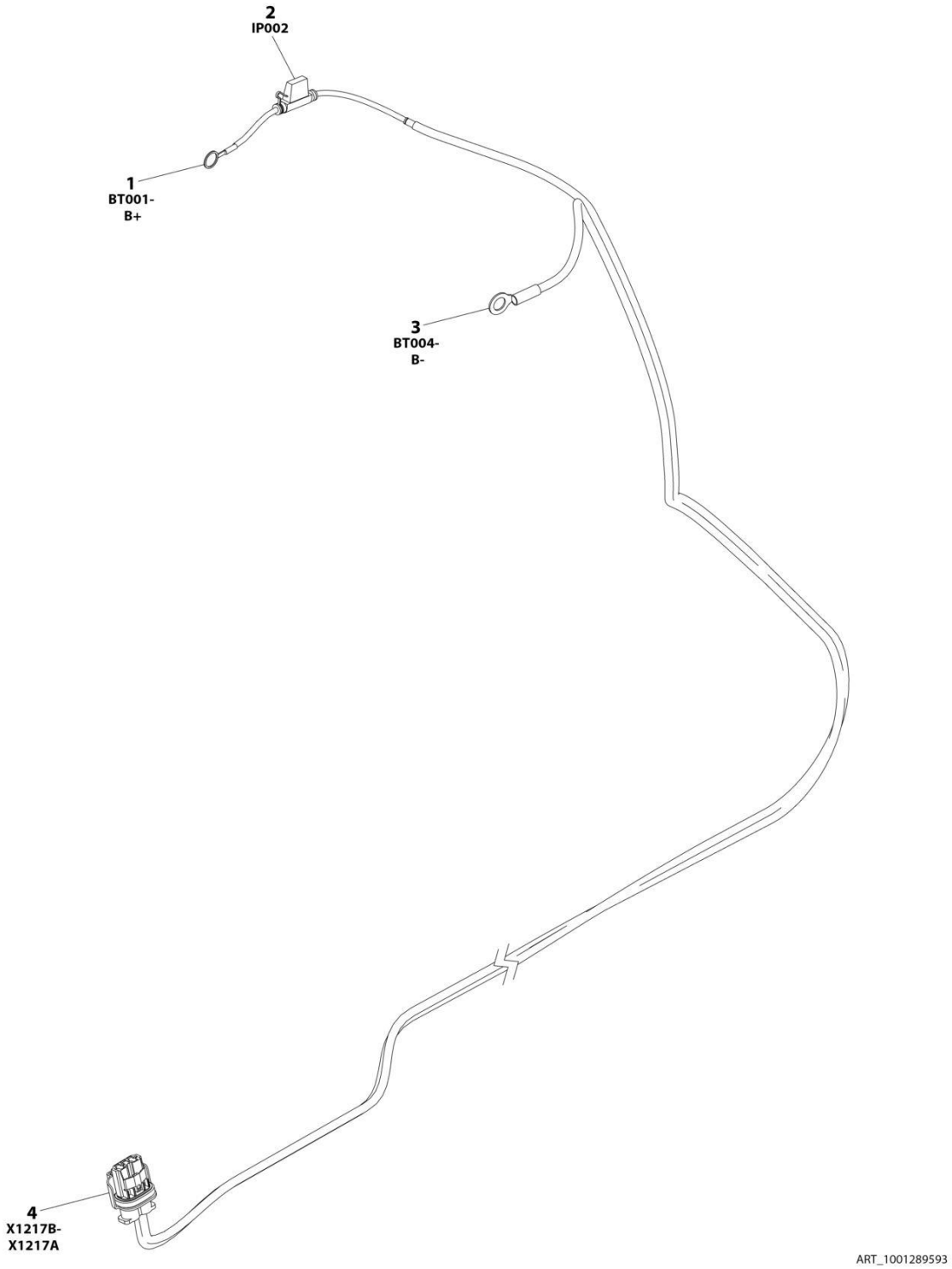


FIGURE 8-54. ECU POWER JUMPER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289593	Ref	ECU POWER JUMPER HARNESS	A
1	4460019	1	Terminal Ring	
2	1001172064	1	Fuse Holder	
2	1001172065	1	Fuse 30Amp	
3	8220164	1	Terminal Ring	
4	1001142938	1	Connector	
4	1001142940	2	Terminal	
4	1001142941	2	Seal	

FIGURE 8-55. ENGINE HARNESS - FORD ENGINES (Prior to SN 0300298282)

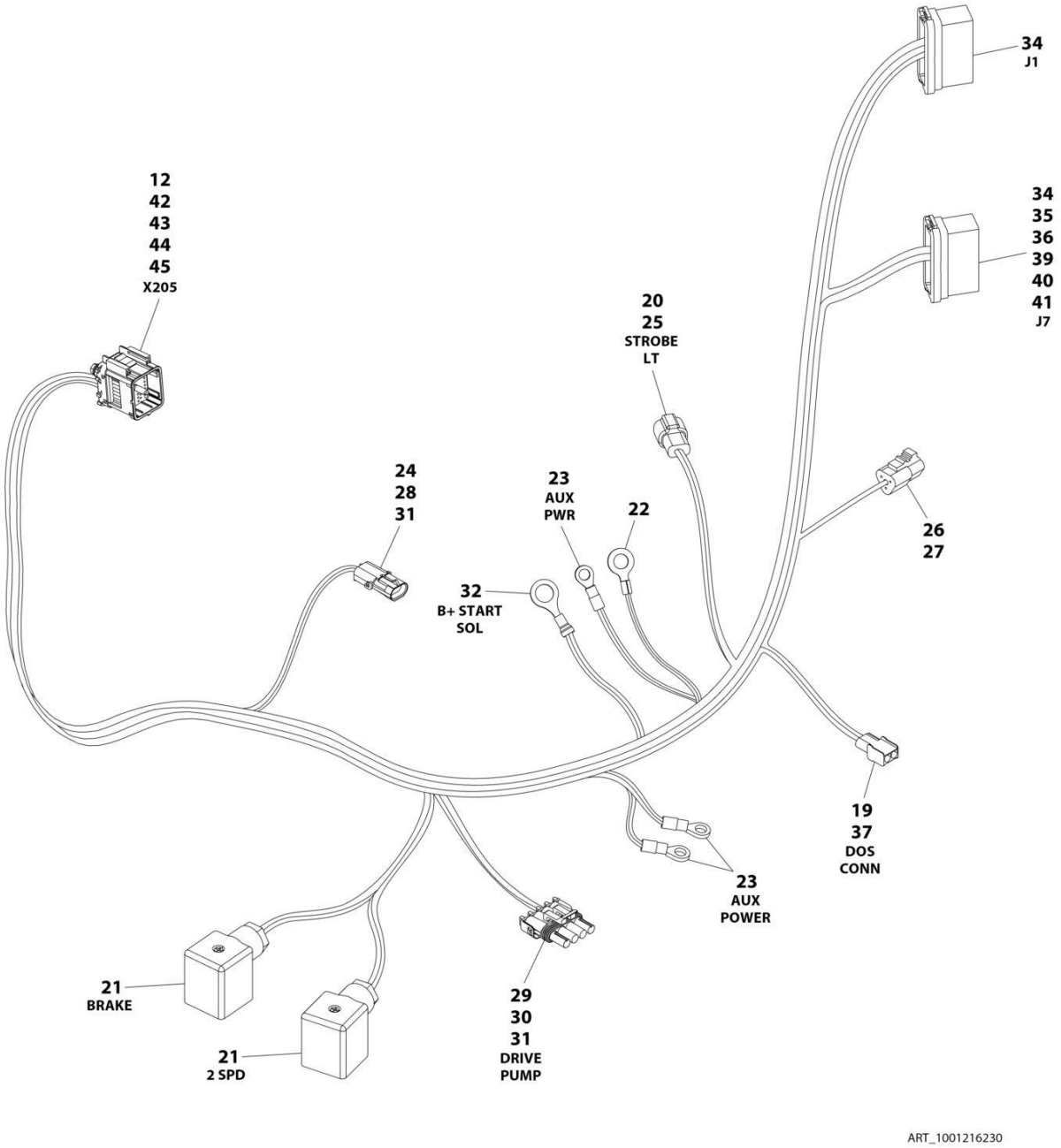


FIGURE 8-55. ENGINE HARNESS - FORD ENGINES (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216230	Ref	ENGINE HARNESS - FORD ENGINES	C
12	1001216213	3	Terminal, Plug	
19	4460424	1	Connector - 2 Position	
20	1001116693	2	Terminal	
21	4460880	2	Connector, Din	
22	4460312	1	Terminal, Ring	
23	4460313	3	Terminal, Ring	
24	4460979	2	Terminal	
25	4460897	1	Receptacle, Female - 4 Position	
26	4460539	1	Plug, Male - 3 Position	
27	4460944	3	Socket, Female	
28	4461157	1	Connector - 2 Position	
29	4460460	1	Connector - 4 Position	
30	4460457	4	Sleeve	
31	4460458	6	Seal	
32	4460738	1	Terminal, Ring	
34	4460871	9	Socket	
35	4460464	1	Pin, Male	
36	4460887	1	Terminal	
37	4460226	3	Socket, Female	
39	4460465	2	Socket, Female	
40	4460259	1	Terminal	
41	4460260	1	Cover Terminal	
42	1001215016	NLA	Connector, Ford - 42 Position (Use p/n 1001265676)	
42	1001265676	1	Connector, Ford - 42 Position Kit	
43	1001215091	5	Terminal	
44	1001215534	33	Plug, Terminal	
45	1001216212	1	Terminal	

FIGURE 8-56. ENGINE HARNESS - FORD ENGINES (SN 0300298282 to Present)

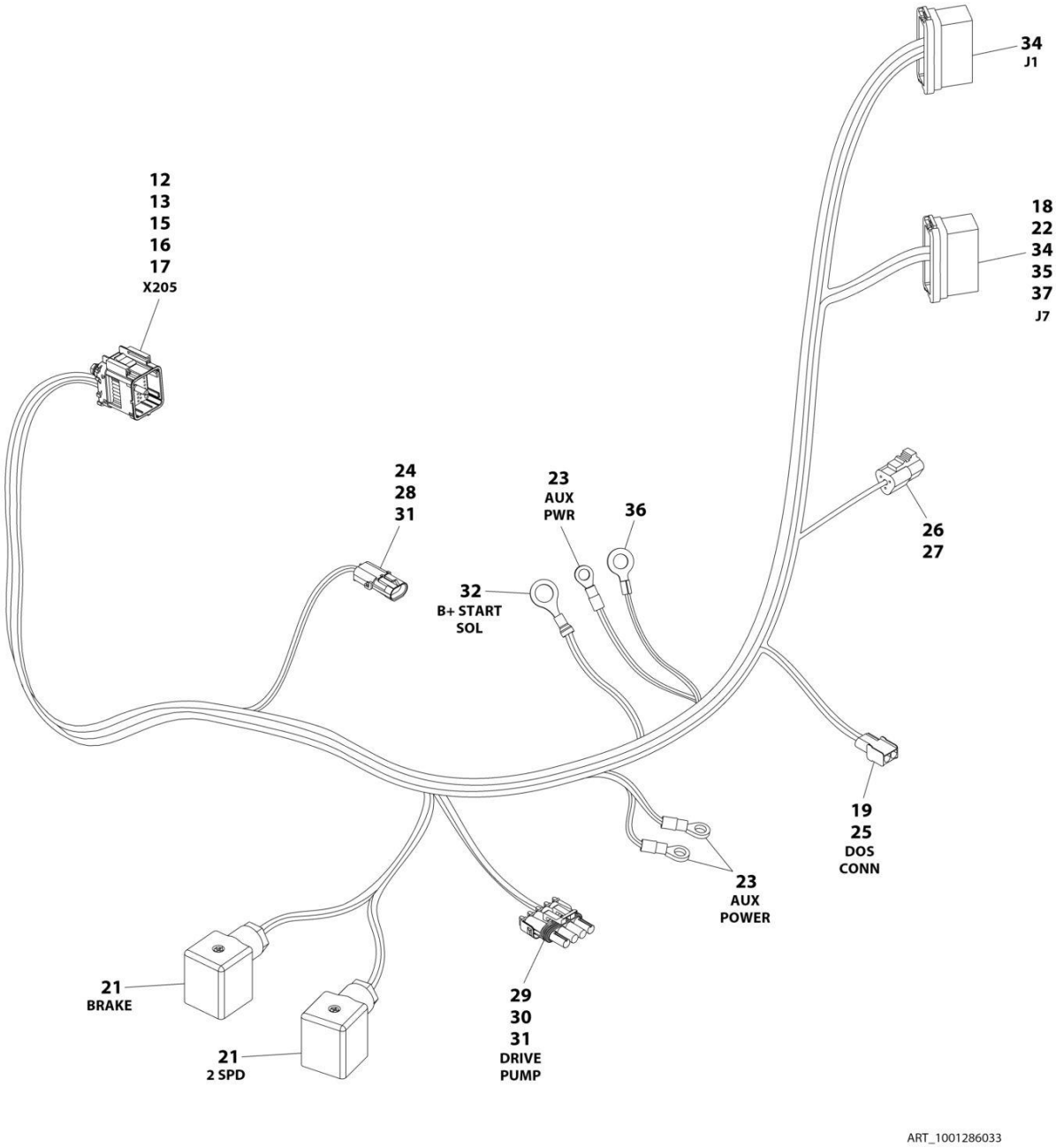


FIGURE 8-56. ENGINE HARNESS - FORD ENGINES (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286033	Ref	ENGINE HARNESS - FORD ENGINES	A
12	1001216213	3	Terminal, Plug	
13	1001216212	1	Terminal	
15	1001215534	33	Plug, Terminal	
16	1001215091	5	Terminal	
17	1001215016	NLA	Connector	
17	1001265676	1	Connector	
18	4460260	1	Cover Terminal	
19	4460424	1	Connector	
21	4460880	2	Connector	
22	4460259	1	Terminal	
23	4460313	3	Terminal, Ring	
24	4460979	2	Terminal	
25	4460226	3	Socket	
26	4460539	1	Pin	
27	4460944	3	Socket	
28	4461157	1	Connector	
29	4460460	1	Connector	
30	4460457	4	Sleeve	
31	4460458	6	Seal	
32	4460738	1	Terminal, Ring	
34	4460871	9	Socket	
35	4460465	2	Socket	
36	4460312	1	Terminal, Ring	
37	4460887	1	Terminal	

FIGURE 8-57. FUEL PUMP HARNESS - DEUTZ TD2.9L4 ENGINES

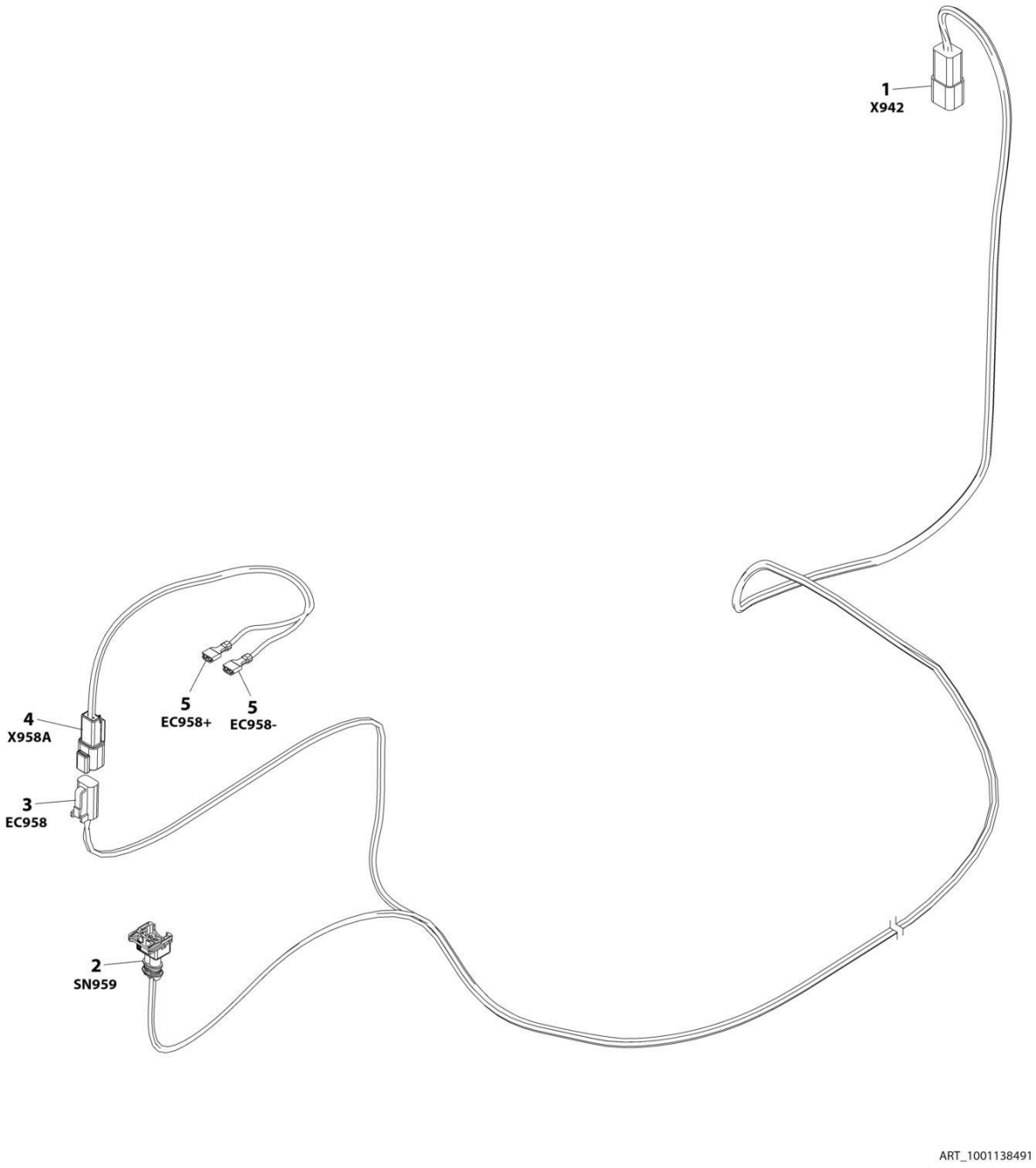


FIGURE 8-57. FUEL PUMP HARNESS - DEUTZ TD2.9L4 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001138491	Ref	FUEL PUMP HARNESS	D
1	4460932	1	Receptacle, Female - 4 Position	
1	4460941	2	Pin, Male	
1	4460464	2	Pin, Male	
2	1001116983	1	Plug, Male - 2 Position	
2	1001116710	2	Socket, Female	
2	4461054	2	Seal	
3	4460891	1	Plug, Male - 2 Position	
3	4460942	2	Socket, Female	
4	4460897	1	Connector - 2 Position	
4	4460941	2	Pin, Male	
5	8220051	2	Terminal, Ring	

FIGURE 8-58. FUEL HARNESS - DEUTZ TD2.9L4 (STAGE V) ENGINE

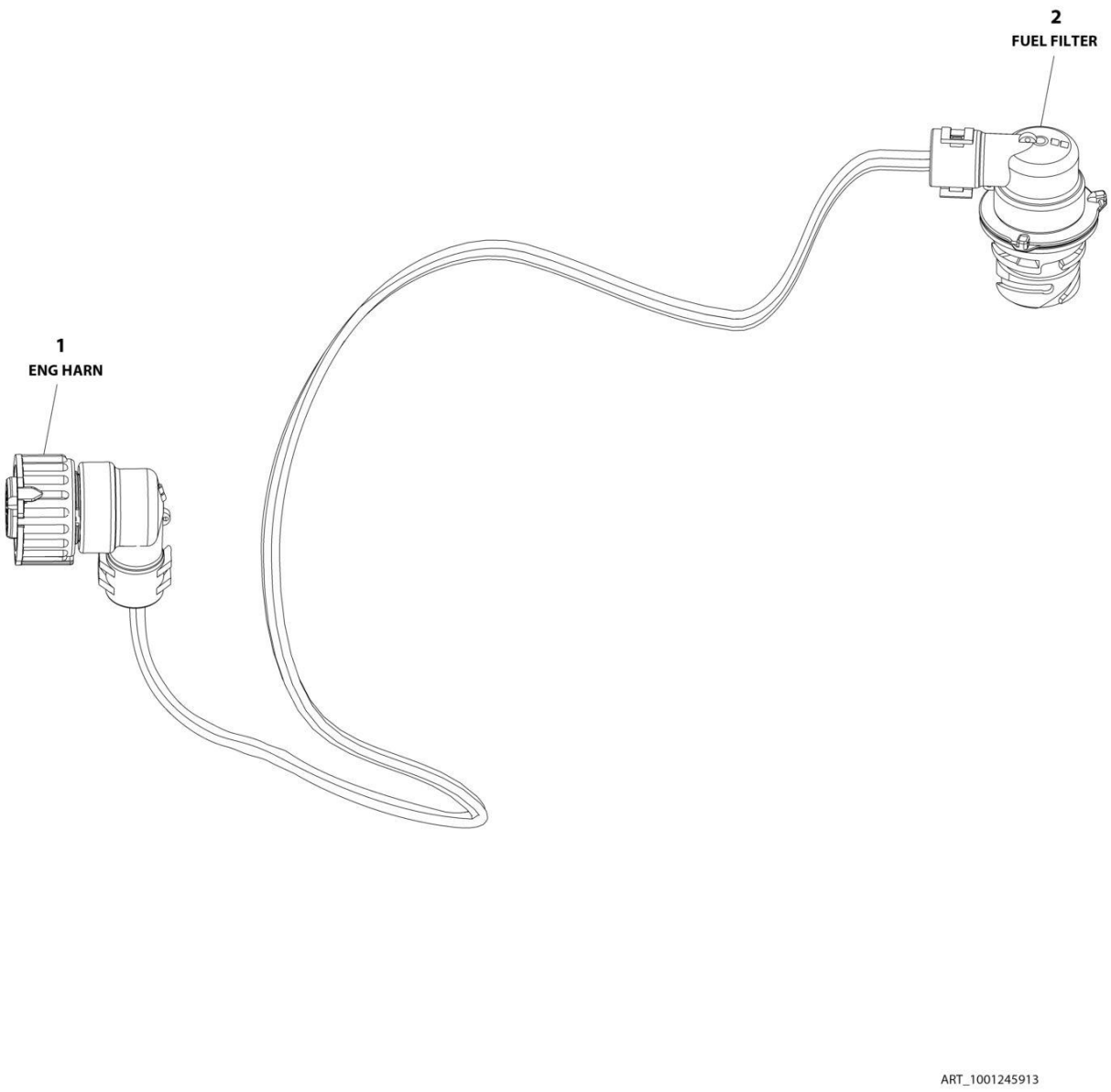


FIGURE 8-58. FUEL HARNESS - DEUTZ TD2.9L4 (STAGE V) ENGINE

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

FIGURE 8-59. GENERATOR HARNESS - 4000W GENERATOR

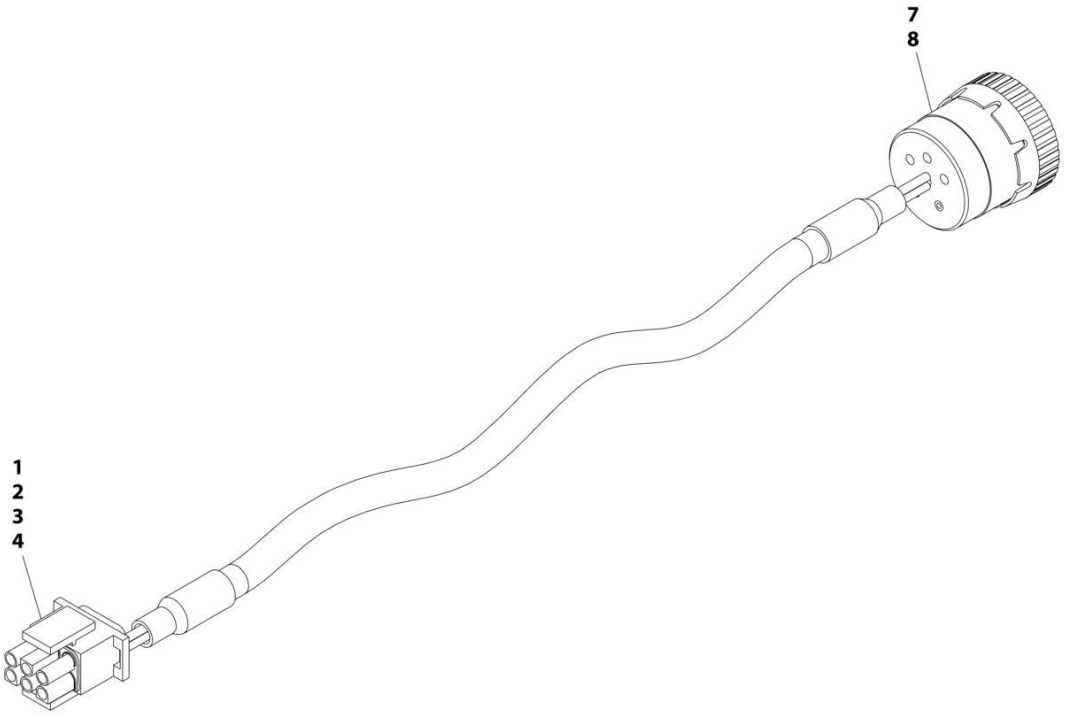


FIGURE 8-59. GENERATOR HARNESS - 4000W GENERATOR

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	

FIGURE 8-60. GENERATOR HARNESS - 7500W SKYPOWER GENERATOR

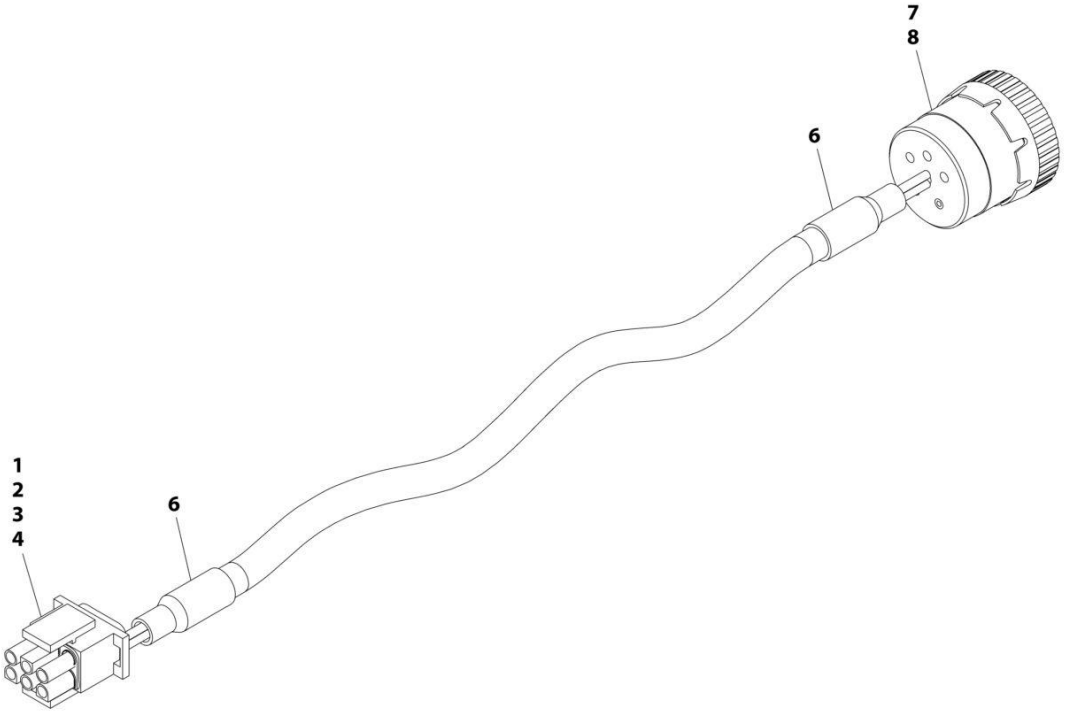


FIGURE 8-60. GENERATOR HARNESS - 7500W SKYPOWER GENERATOR

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

FIGURE 8-61. GENERATOR TO ENGINE HARNESS - 2500W (FORD ENGINES)

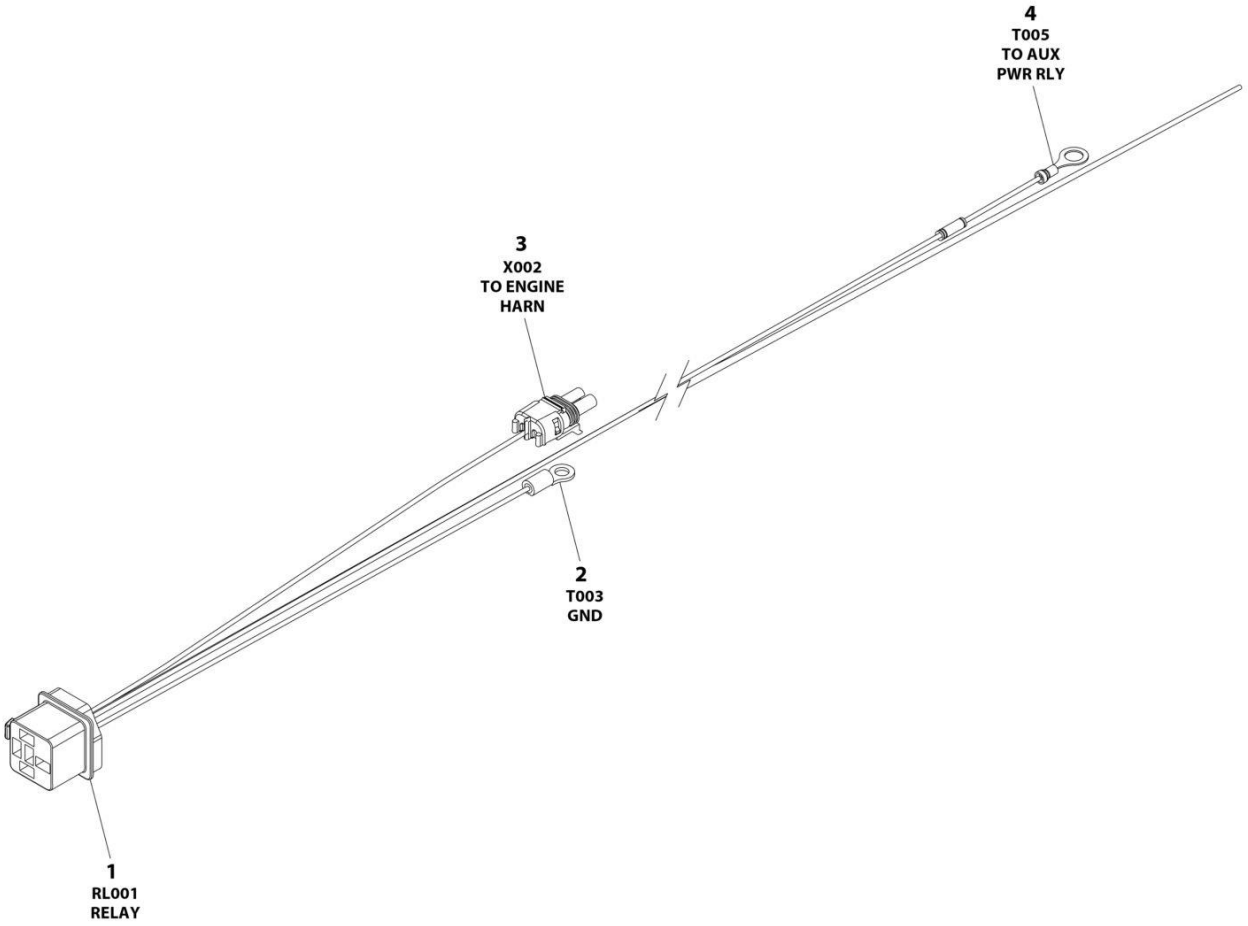


FIGURE 8-61. GENERATOR TO ENGINE HARNESS - 2500W (FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4923445	Ref	GENERATOR TO ENGINE HARNESS	B
1	4460374	1	Plug, Sealed Relay	
1	1001116734	2	Socket, Female	
1	1001116733	2	Socket, Female	
2	4460043	1	Terminal, Ring	
3	4460742	1	Plug, Male - 2 Position	
3	4460457	1	Socket, Female	
3	4460458	1	Seal, Terminal	
3	1001116727	1	Plug, Terminal	
4	4460670	1	Terminal, Ring	

FIGURE 8-62. GENERATOR TO ENGINE HARNESS - 4000W (DEUTZ D2011 ENGINES)

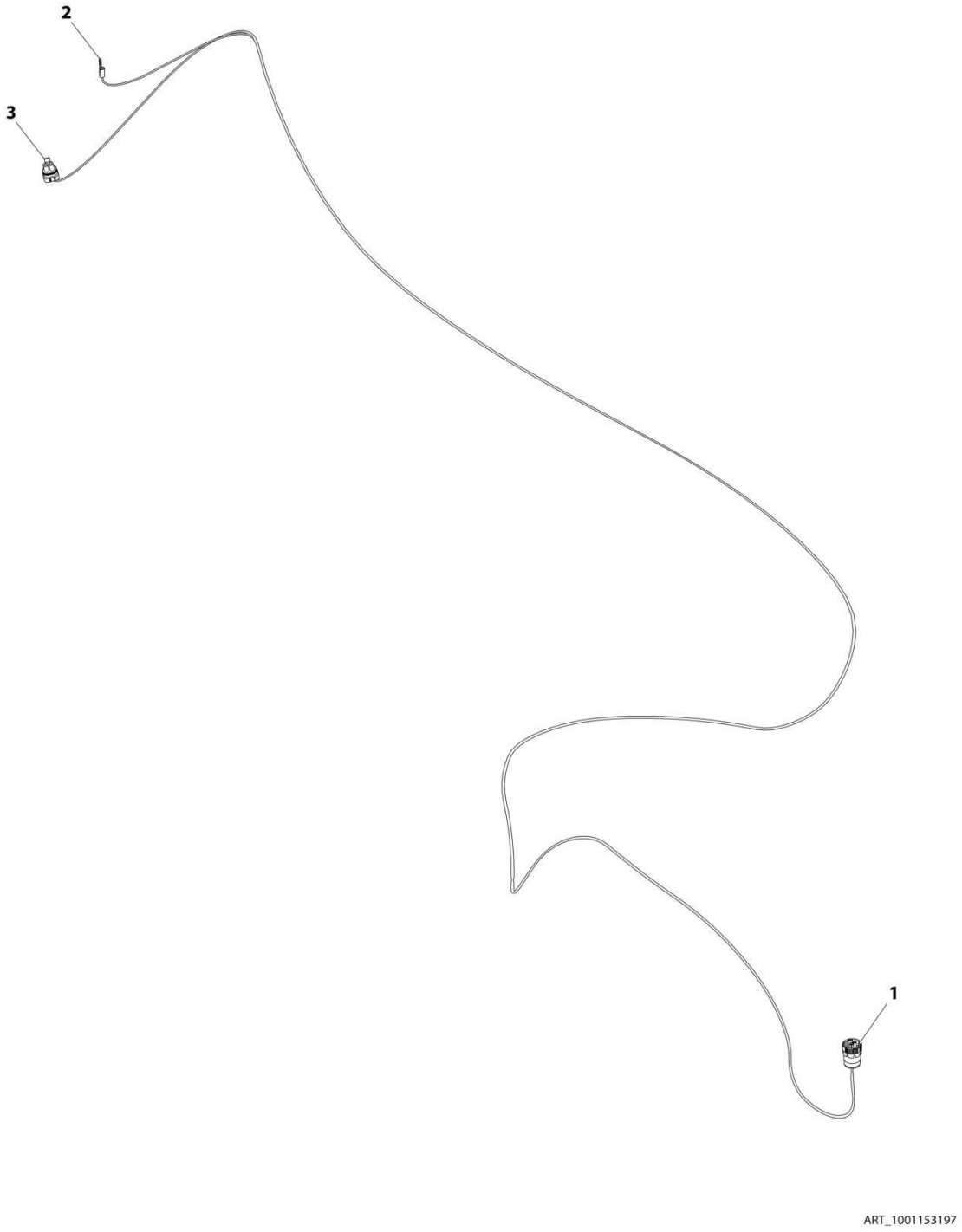


FIGURE 8-62. GENERATOR TO ENGINE HARNESS - 4000W (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153197	Ref	GENERATOR TO ENGINE HARNESS	B
1	4460967	1	Plug, Male - 3 Position	
1	4460465	2	Socket, Female	
2	4460043	1	Terminal, Ring	
3	4460742	1	Plug, Male - 2 Position	
3	4460743	1	Socket, Female	
3	4460458	1	Seal, Terminal	
3	1001116727	1	Plug, Terminal	

FIGURE 8-63. GENERATOR TO ENGINE HARNESS - 4000W (DEUTZ TD2.9L4 ENGINES)



FIGURE 8-63. GENERATOR TO ENGINE HARNESS - 4000W (DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153259	Ref	GENERATOR TO PLATFORM HARNESS (4000W-60HZ GENERATOR)	B
1	4460967	1	Connector - 3 Position	
1	4460465	2	Socket, Female	
2	4460465	2	Socket, Female	

FIGURE 8-64. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ENGINES)

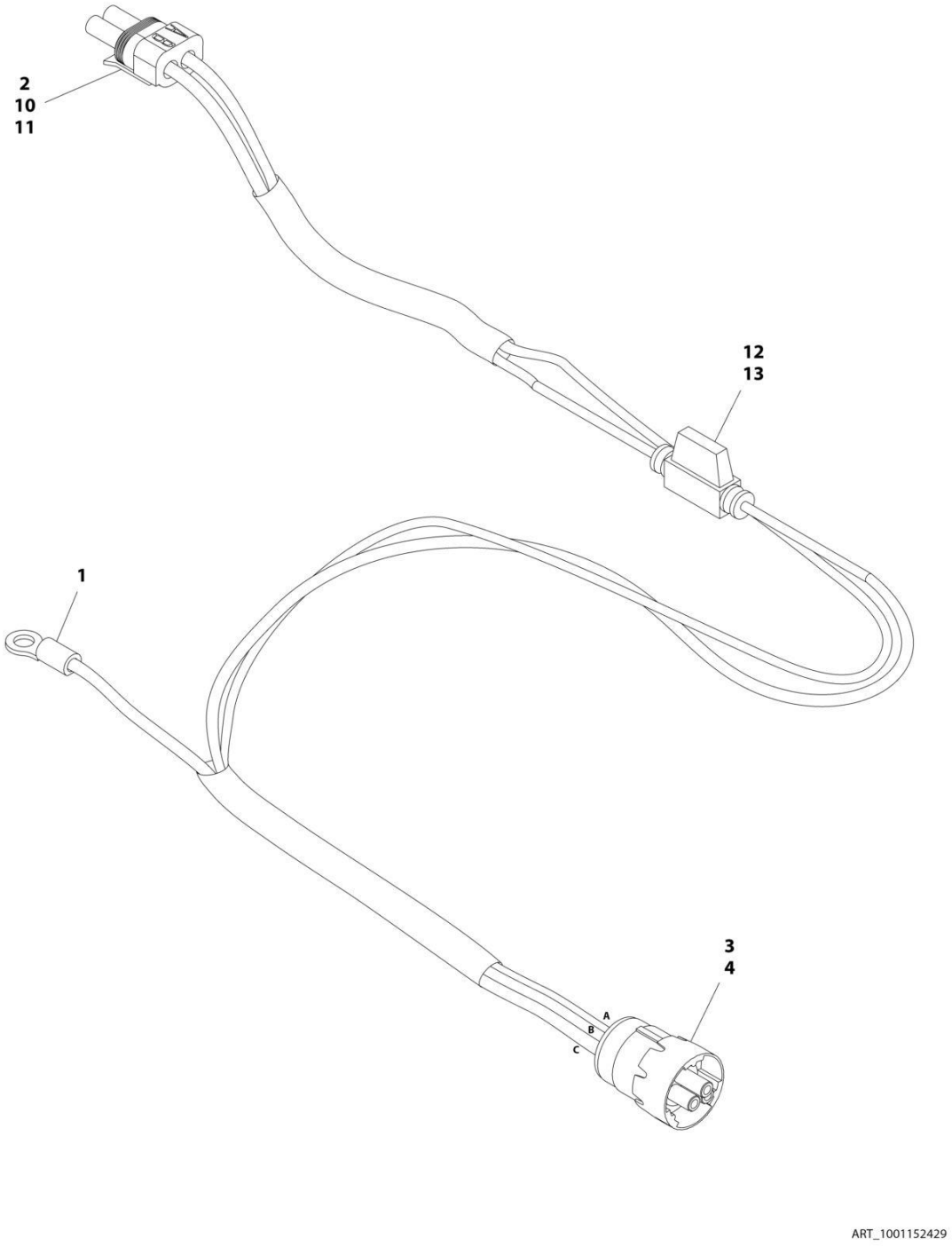


FIGURE 8-64. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ENGINES)

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

FIGURE 8-65. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER (FORD DF 2.5L ENGINES)

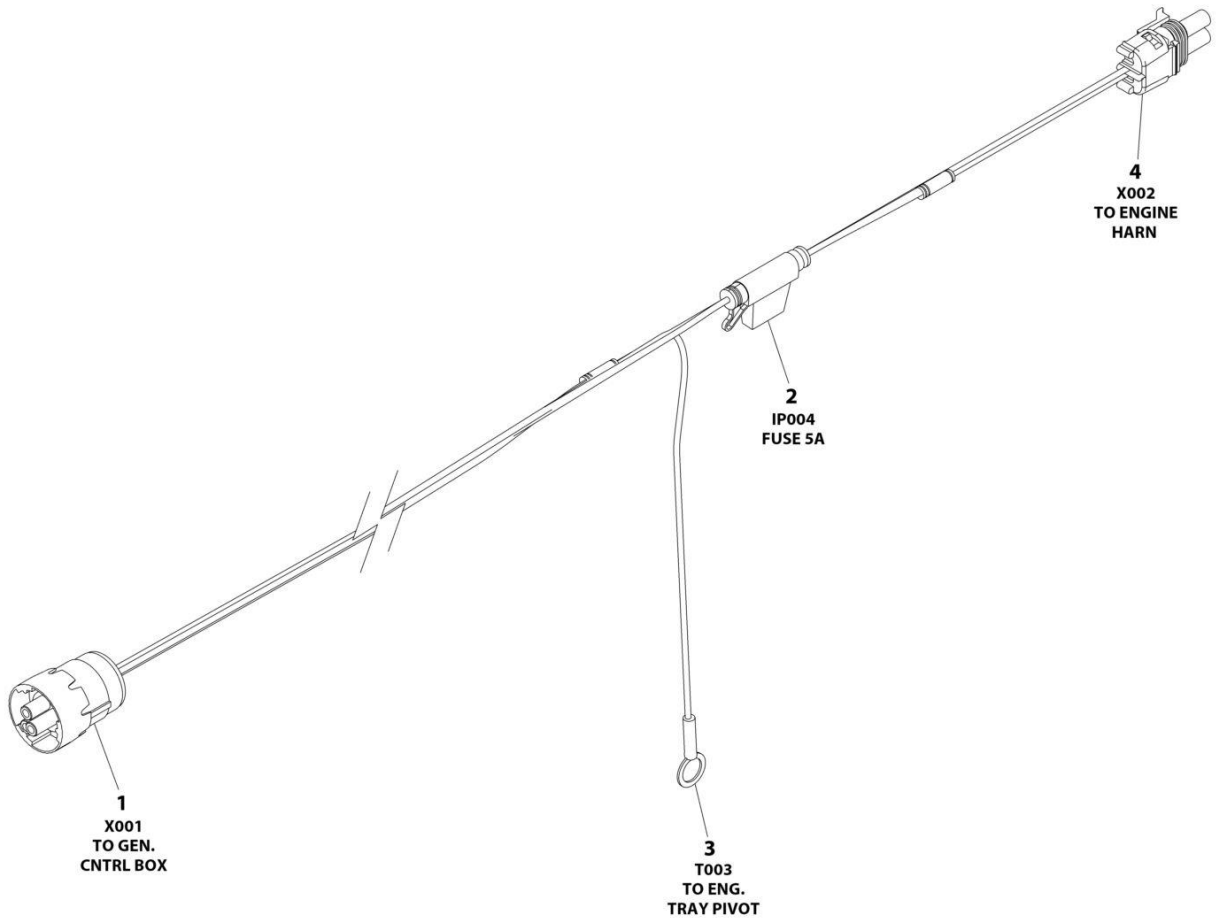


FIGURE 8-65. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER (FORD DF 2.5L ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257972	Ref	GENERATOR TO ENGINE HARNESS	A
1	4460967	1	Plug, Male - 3 Position	
1	4460465	3	Socket, Female	
2	2400060	1	Fuse-holder (Includes Cover)	
2	2400064	1	Fuse - 5Amp	
3	4460256	1	Terminal, Ring	
4	4460742	1	Plug, Male - 2 Position	
4	4460457	2	Socket, Female	
4	4460458	2	Seal, Terminal	

FIGURE 8-66. GENERATOR HARNESS - 7500W SKYPOWER (DEUTZ TD2.9L4 T4F ENGINES)

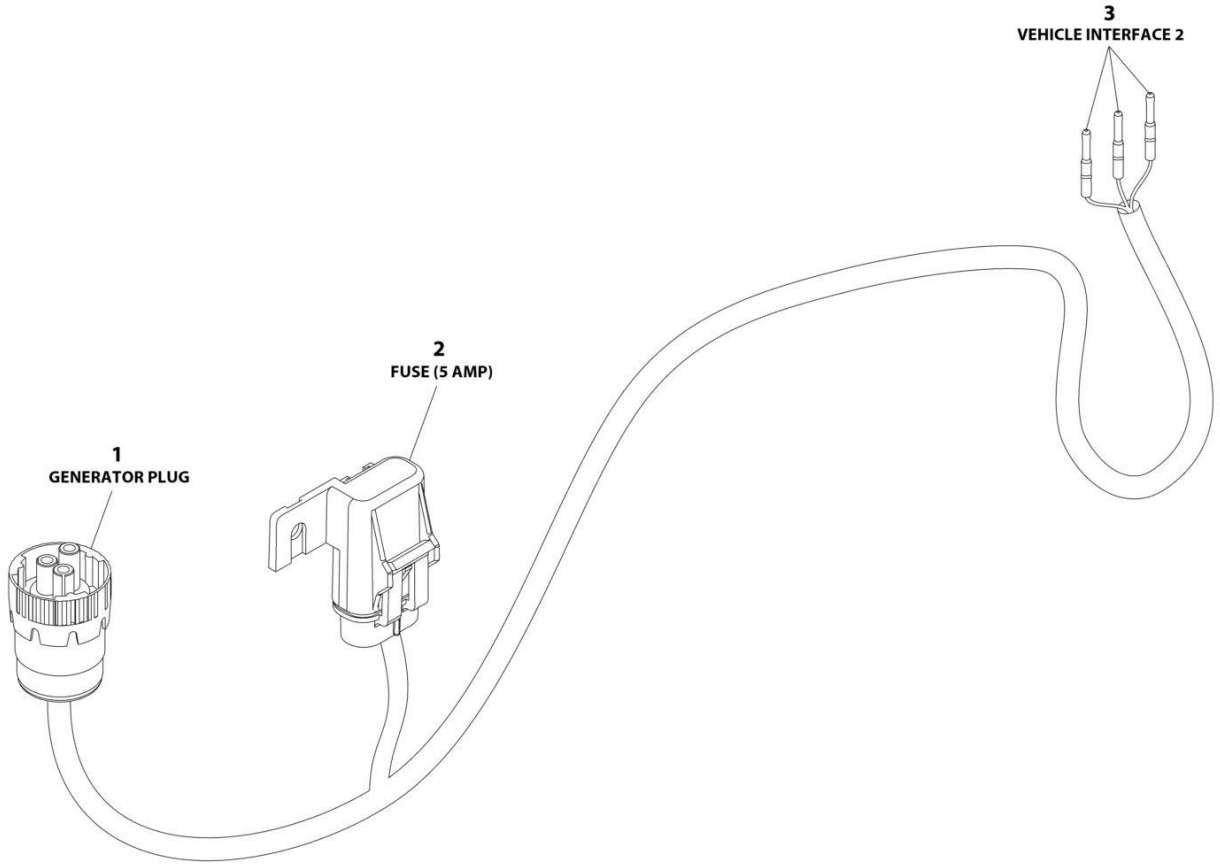


FIGURE 8-66. GENERATOR HARNESS - 7500W SKYPOWER (DEUTZ TD2.9L4 T4F ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119968	Ref	GENERATOR HARNESS - 7500W GENERATOR	C
1	4460967	1	Connector - 3 Position	
1	4460465	3	Socket, Female	
2	1001117078	1	Connector, Metri-Pack with 5Amp Fuse	
3	4460465	3	Socket, Female	

FIGURE 8-67. GENERATOR TO REAR OF BOOM HARNESS - 110V

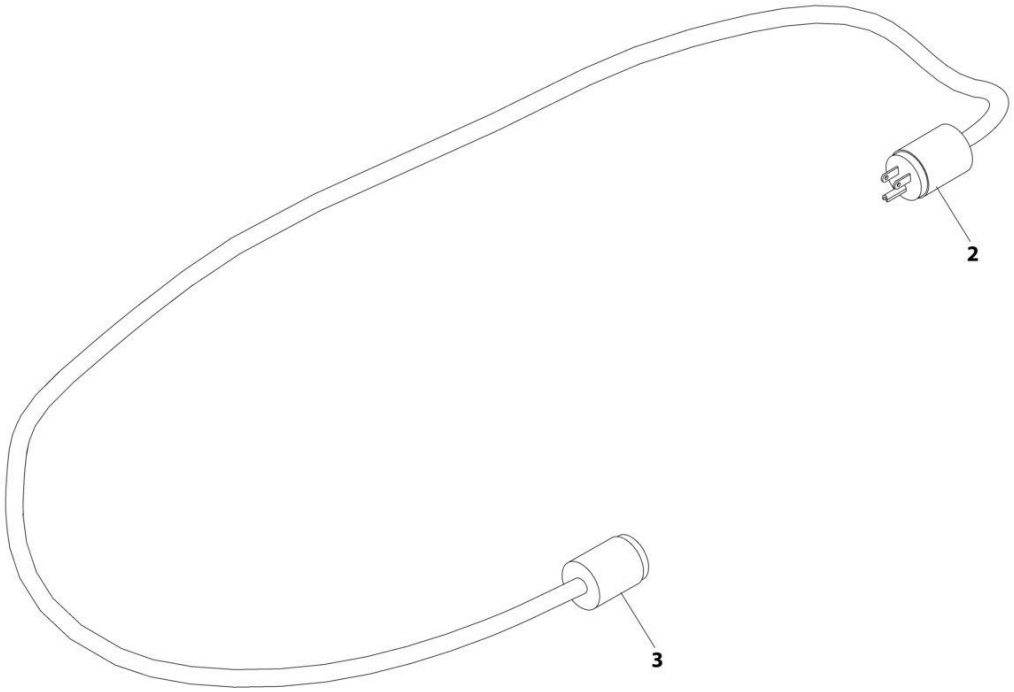


FIGURE 8-67. GENERATOR TO REAR OF BOOM HARNESS - 110V

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4921829	Ref	GENERATOR TO REAR OF BOOM HARNESS - 110V	Z-A
2	4460205	1	Plug, Male	
3	4460134	1	Connector, Female	

FIGURE 8-68. GENERATOR TO REAR OF BOOM HARNESS - 220V

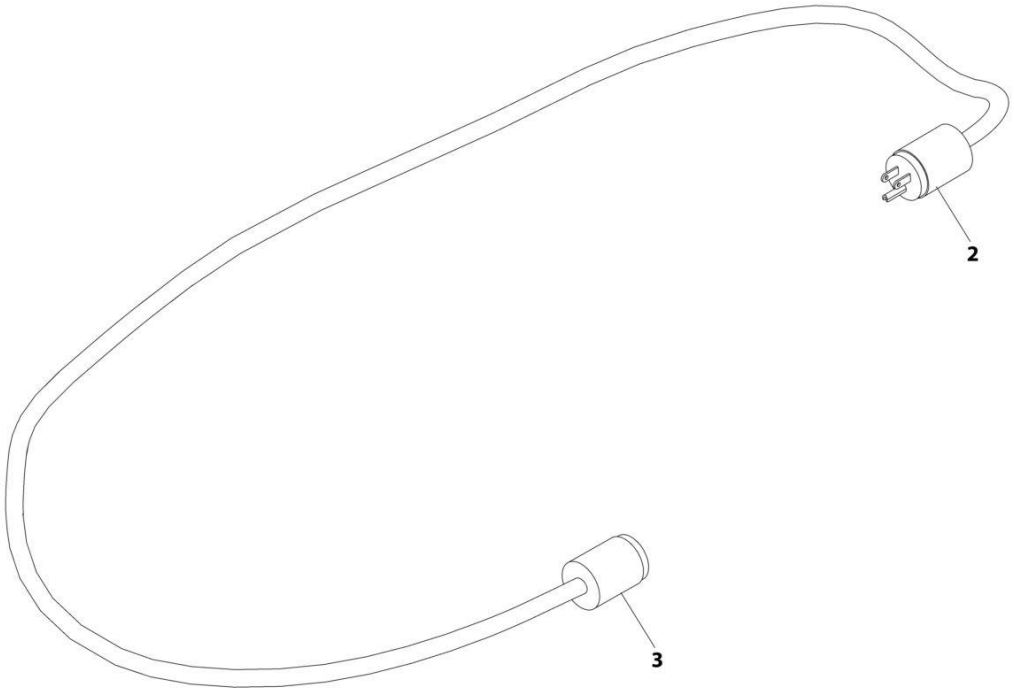


FIGURE 8-68. GENERATOR TO REAR OF BOOM HARNESS - 220V

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4921955	Ref	GENERATOR TO REAR OF BOOM HARNESS - 220V	A
2	4460233	1	Terminal, Plug	
3	4460701	1	Terminal, Connector	

FIGURE 8-69. GROUND CONTROL BOX HARNESS (Prior to SN 0300298282)

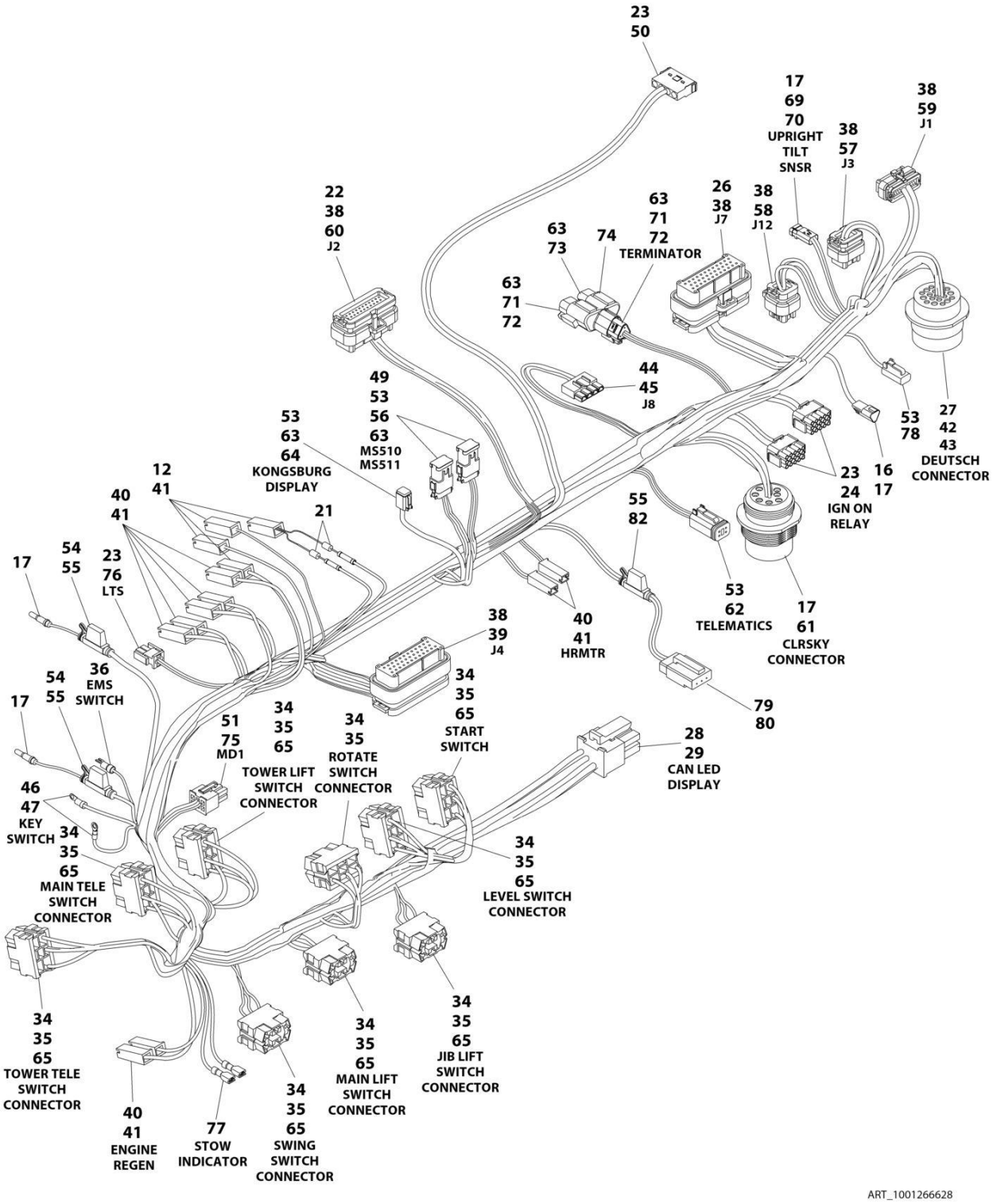


FIGURE 8-69. GROUND CONTROL BOX HARNESS (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266628	Ref	GROUND CONTROL BOX HARNESS	C
12	4460297	4	Terminal	
16	4460536	1	Receptacle, Female - 3 Position	
17	4460943	12	Pin, Male	
21	3990010	2	Diode, 6 Amp	
22	4460905	2	Seal, Terminal	
23	4460227	36	Pin, Male	
24	4460434	2	Plug Male - 15 Position	
26	4460873	1	Connector - 35 Position	
27	4460508	4	Terminal	
28	1001237667	1	Plug Male - 6 Position	
29	1001237668	5	Terminal	
34	1001159186	18	Terminal	
35	4460418	9	Connector, Switch	
36	4460806	5	Terminal, Fork	
38	4460871	84	Socket, Female	
39	4460876	1	Connector - 35 Position	
40	4460259	15	Terminal	
41	4460260	19	Housing, Terminal	
42	4460464	13	Pin, Male	
43	4460866	1	Connector - 19 Position	
44	4460878	1	Plug Male - 4 Position	
45	4460887	3	Terminal	
46	4460142	4	Terminal, Ring	
47	4460313	3	Terminal	
49	1001119020	2	Connector, Buss Bar - 12 Position	
50	4460761	1	Receptacle, Female - 4 Position	
51	4460868	AR	Terminal	
53	4460465	35	Socket, Female	
54	2400060	2	Fuse Holder with Cover	
55	8229242	3	Fuse 5Amp	
56	4460933	2	Plug, Male - 12 Position	
57	4460872	1	Connector - 14 Position	
58	1001113961	1	Connector - 8 Position	
59	4460874	1	Connector - 35 Position	
60	4460875	1	Connector - 35 Position	
61	1001112612	1	Connector - 9 Position	
62	4460884	1	Plug, Male - 4 Position	
63	4460466	7	Plug, Terminal	
64	4460894	1	Plug, Male - 6 Position	
65	4460419	8	Terminal	
69	1001229530	1	Receptacle, Female - 3 Position	
70	1001200497	1	Plug, Male - 3 Position	
71	1001116812	2	Plug, Male - 3 Position	
72	4460944	4	Socket, Female	
73	1001116815	1	Plug, Male - 3 Position	
74	4460945	1	Connector, 3-Way Tee	
75	4460877	4	Terminal	
76	4460320	1	Connector - 2 Position	
77	1001201885	2	Terminal	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
78	4460891	1	Plug, Male - 2 Position	
79	4460911	1	Connector - 3 Position	
80	1001116694	3	Terminal	
82	2400060	AR	Fuse Holder with Cover (Prior to PVC 2201)	
82	1001255901	AR	Fuse Holder with Cover (PVC 2201 to Present)	

FIGURE 8-70. GROUND CONTROL BOX HARNESS (SN 0300298282 to Present)

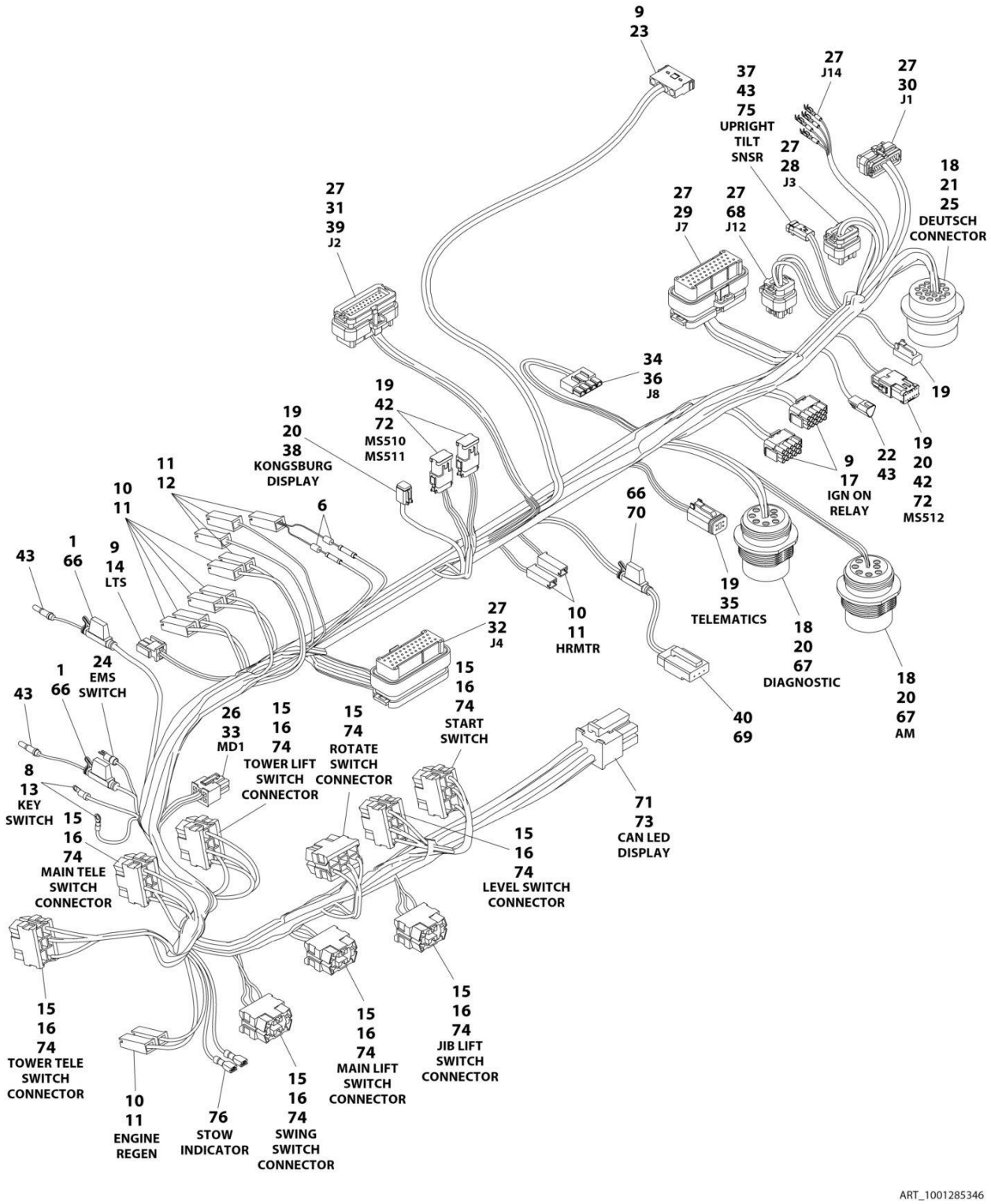


FIGURE 8-70. GROUND CONTROL BOX HARNESS (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285346	Ref	GROUND CONTROL BOX HARNESS	C
1	2400060	2	Fuse Holder	
6	3990010	2	Diode, 6 Amp	
8	4460142	4	Terminal, Ring	
9	4460227	36	Pin	
10	4460259	11	Socket	
11	4460260	15	Housing, Terminal	
12	4460297	4	Socket	
13	4460313	3	Terminal, Ring	
14	4460320	1	Connector	
15	4460418	9	Connector, Switch	
16	4460419	8	Socket	
17	4460434	2	Connector	
18	4460464	27	Terminal	
19	4460465	45	Terminal	
20	4460466	9	Plug, Terminal	
21	4460508	4	Pin	
22	4460536	1	Connector	
23	4460761	1	Connector	
24	4460806	5	Terminal, Fork	
25	4460866	1	Terminal	
26	4460868	1	Connector	
27	4460871	88	Socket	
28	4460872	1	Connector	
29	4460873	1	Connector	
30	4460874	1	Connector	
31	4460875	1	Connector	
32	4460876	1	Connector	
33	4460877	4	Socket	
34	4460878	1	Housing, Terminal	
35	4460884	1	Connector	
36	4460887	3	Socket	
37	1001229530	1	Connector	
38	4460894	1	Plug	
39	4460905	2	Seal	
40	4460911	1	Plug, Terminal	
42	4460933	3	Connector	
43	4460943	8	Terminal	
66	8229242	3	Fuse 5 Amp	
67	1001112612	2	Connector	
67	1001249095	2	Connector	
68	1001113961	1	Plug	
69	1001116694	3	Terminal	
70	1001255901	1	Fuse Holder	
71	1001237668	5	Socket	
72	1001119020	3	Connector	
73	1001237667	1	Connector	
74	1001159186	18	Socket	
75	1001200497	1	Connector	
76	1001201885	2	Terminal	

FIGURE 8-71. PLATFORM CONSOLE BOX HARNESS

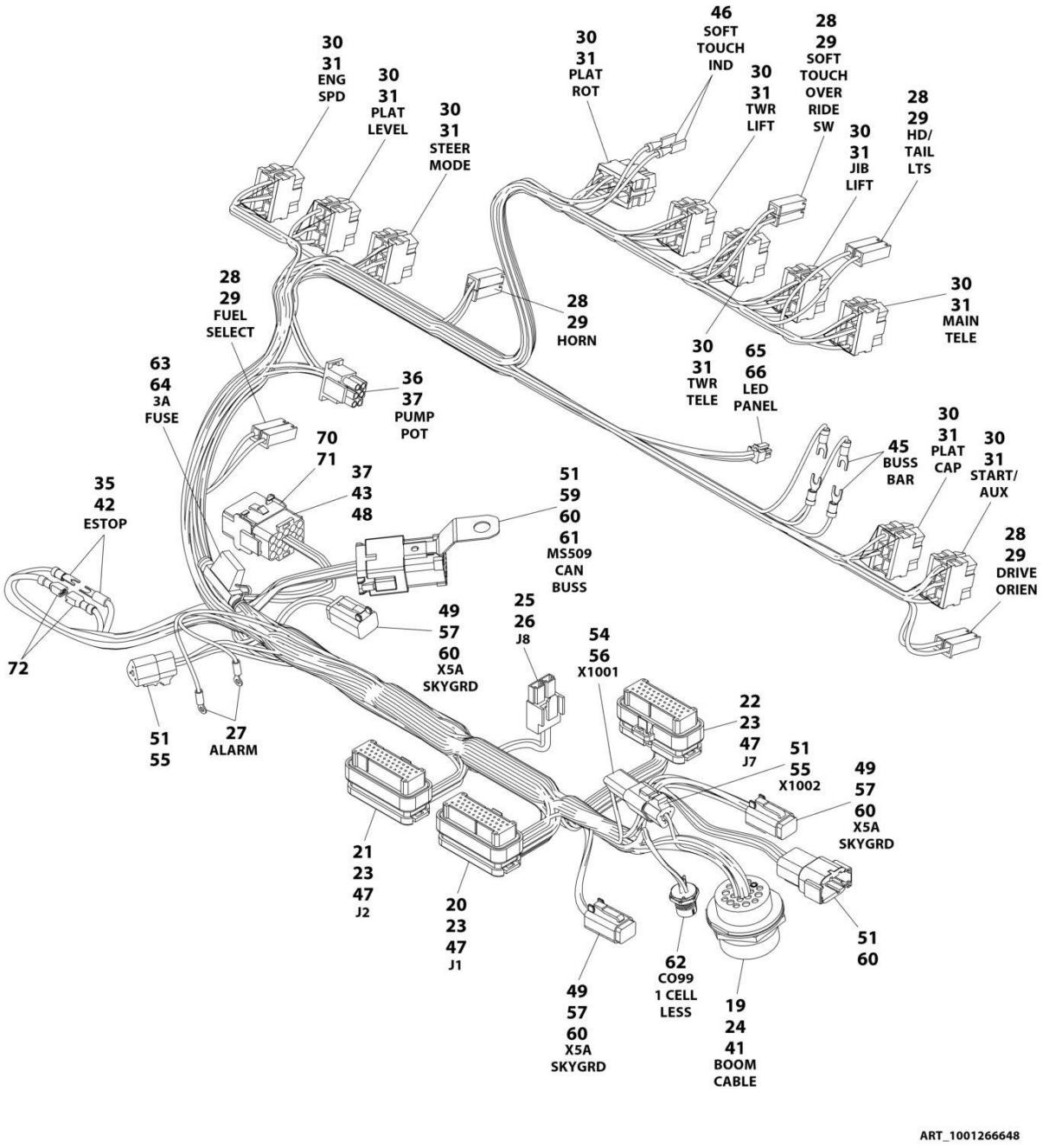


FIGURE 8-71. PLATFORM CONSOLE BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266648	Ref	PLATFORM CONSOLE BOX HARNESS	B
19	4460866	1	Connector - 19 Position	
20	4460874	1	Connector - 35 Position	
21	4460875	1	Connector - 35 Position	
22	4460873	1	Connector - 35 Position	
23	4460871	81	Socket, Female	
24	4460464	6	Pin, Male	
25	4460879	1	Plug, Male - 2 Position	
26	4460887	2	Terminal	
27	1001098122	2	Terminal, Ring	
28	4460260	10	Housing, Terrminal	
29	4460259	10	Terminal	
30	4460418	9	Connector, Switch	
31	4460419	27	Terminal	
32	4120035	14	Socket, Light (Not Shown)	
33	4460634	14	Socket, Lamp (Single Wire) (Not Shown)	
34	4460635	14	Socket, Lamp (Double Wire) (Not Shown)	
35	4460888	1	Terminal, Fork	
36	4460225	1	Plug, Male - 6 Position	
37	4460227	31	Pin, Male	
41	4460508	3	Pin, Male	
42	4460806	1	Terminal, Fork	
43	4460434	2	Connector - 15 Position	
44	2920129	14	Bulb (Not Shown)	
45	4460183	4	Terminal, Fork	
46	4460016	2	Terminal	
47	4460905	24	Plug, Terminal	
48	4460267	1	Pin, Male	
49	4460465	5	Socket, Female	
51	4460944	11	Socket, Female	
54	4460536	1	Receptacle, Female - 3 Position	
55	4460539	1	Plug, Male - 3 Position	
56	4460943	3	Pin, Male	
57	4460894	2	Plug, Male - 6 Position	
59	4460933	2	Plug, Male - 12 Position	
60	4460466	5	Plug, Terminal	
61	1001119020	1	Connector, Buss Bar - 12 Position	
62	1001213447	1	Connector - 5 Position	
63	2400060	1	Fuseholder Includes Cover	
64	8229249	1	Fuse, 3 Amp	
65	1001237667	1	Plug, Male - 6 Position	
66	1001237668	4	Socket, Female	
70	4460708	2	Connector - 15 Position	
71	4460226	2	Socket, Female	
72	1001201885	2	Terminal	

FIGURE 8-72. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPECS)

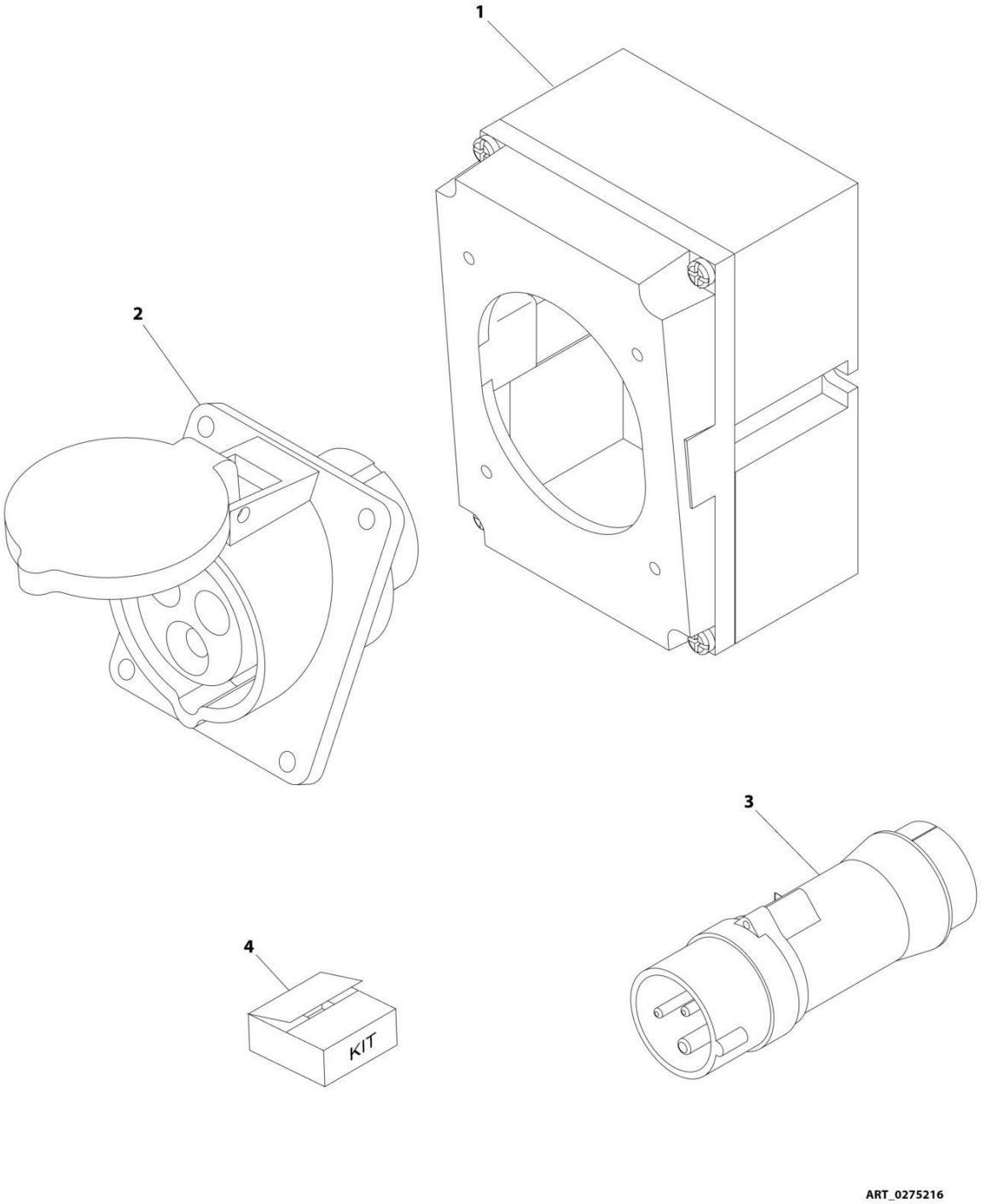


FIGURE 8-72. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPECS)

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)	

FIGURE 8-73. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPECS)

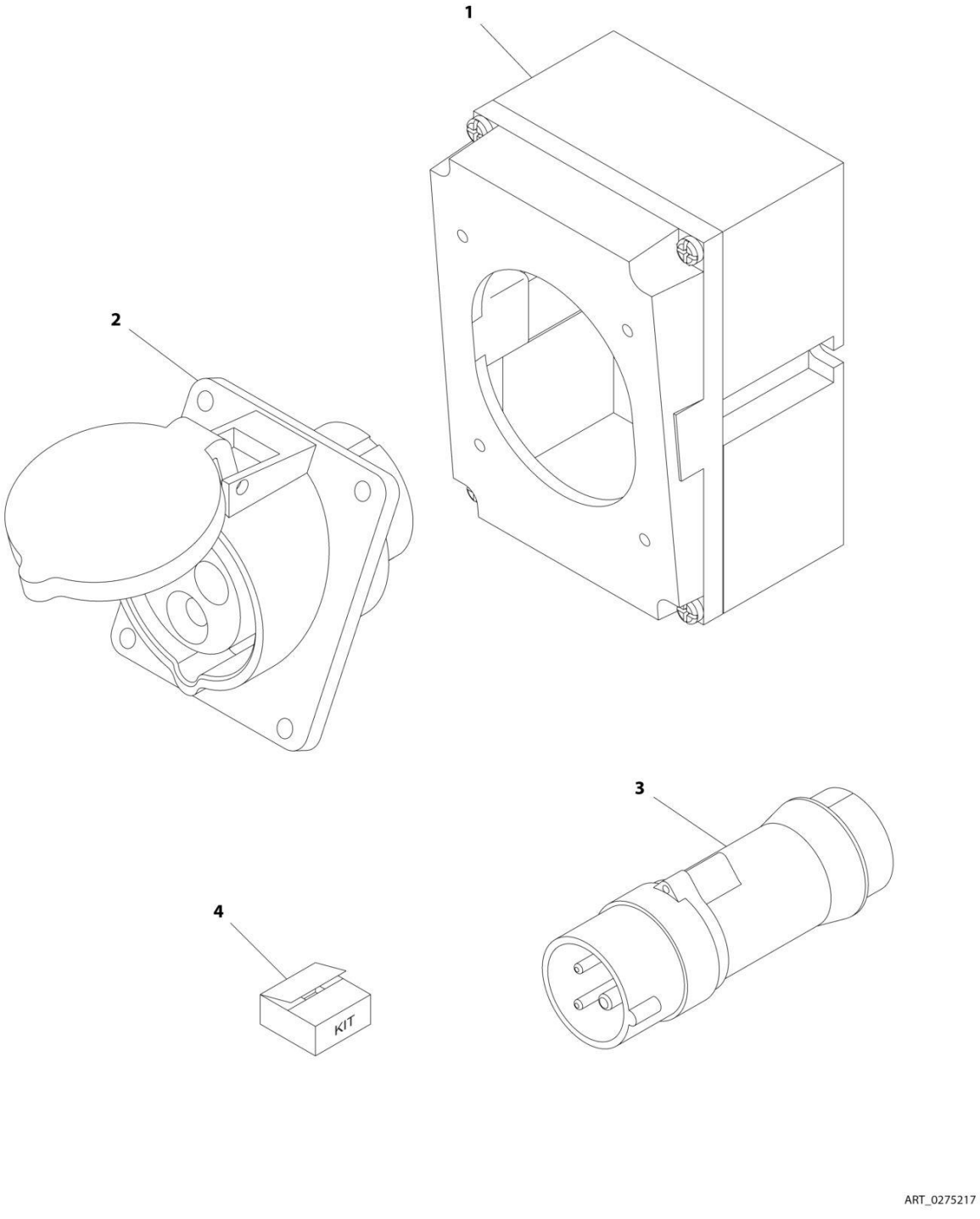


FIGURE 8-73. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPECS)

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)	

FIGURE 8-74. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE & UK CA SPECS)

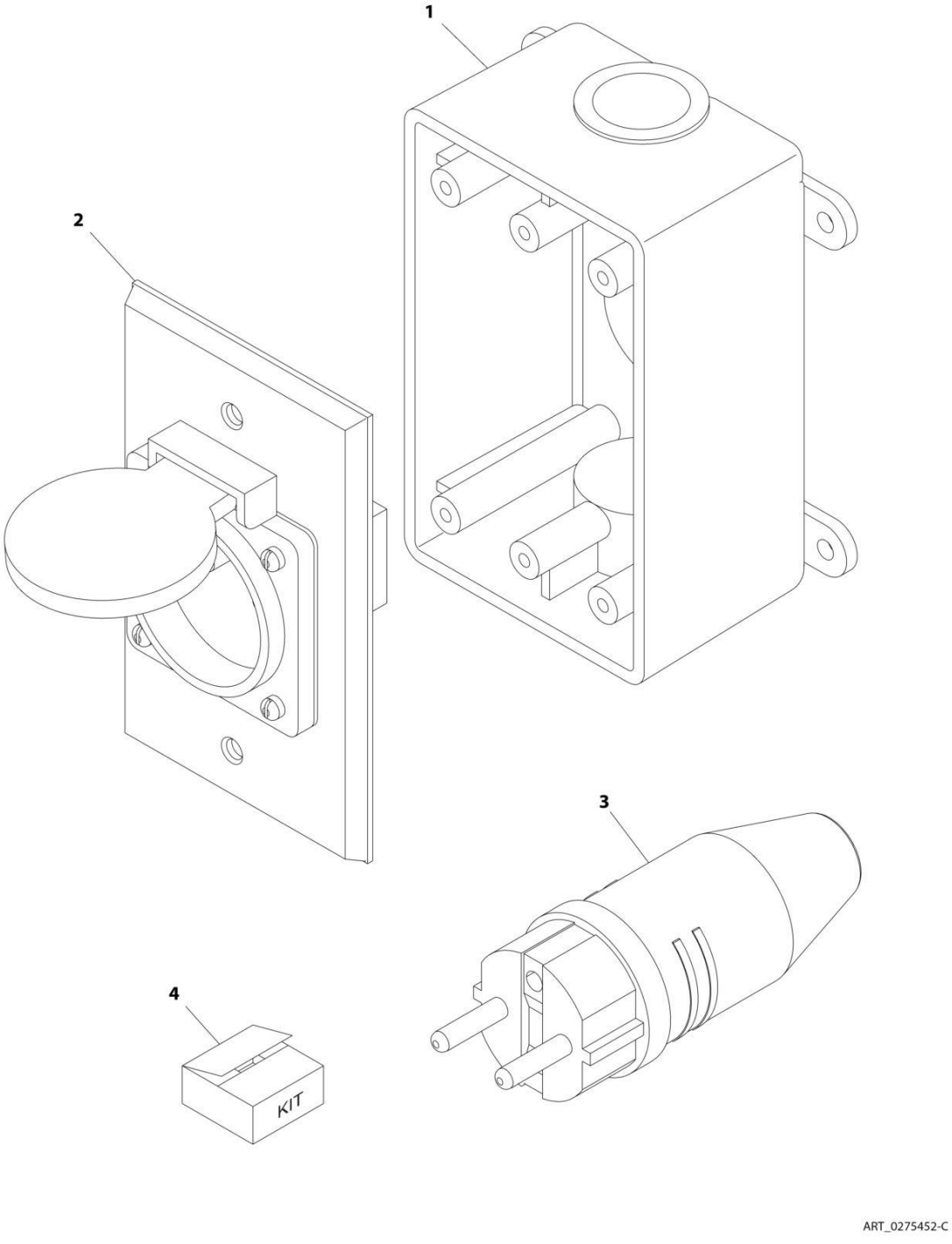


FIGURE 8-74. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE & UK CA SPECS)

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)	

FIGURE 8-75. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2X4 BOX (CE & UK CA SPECS)

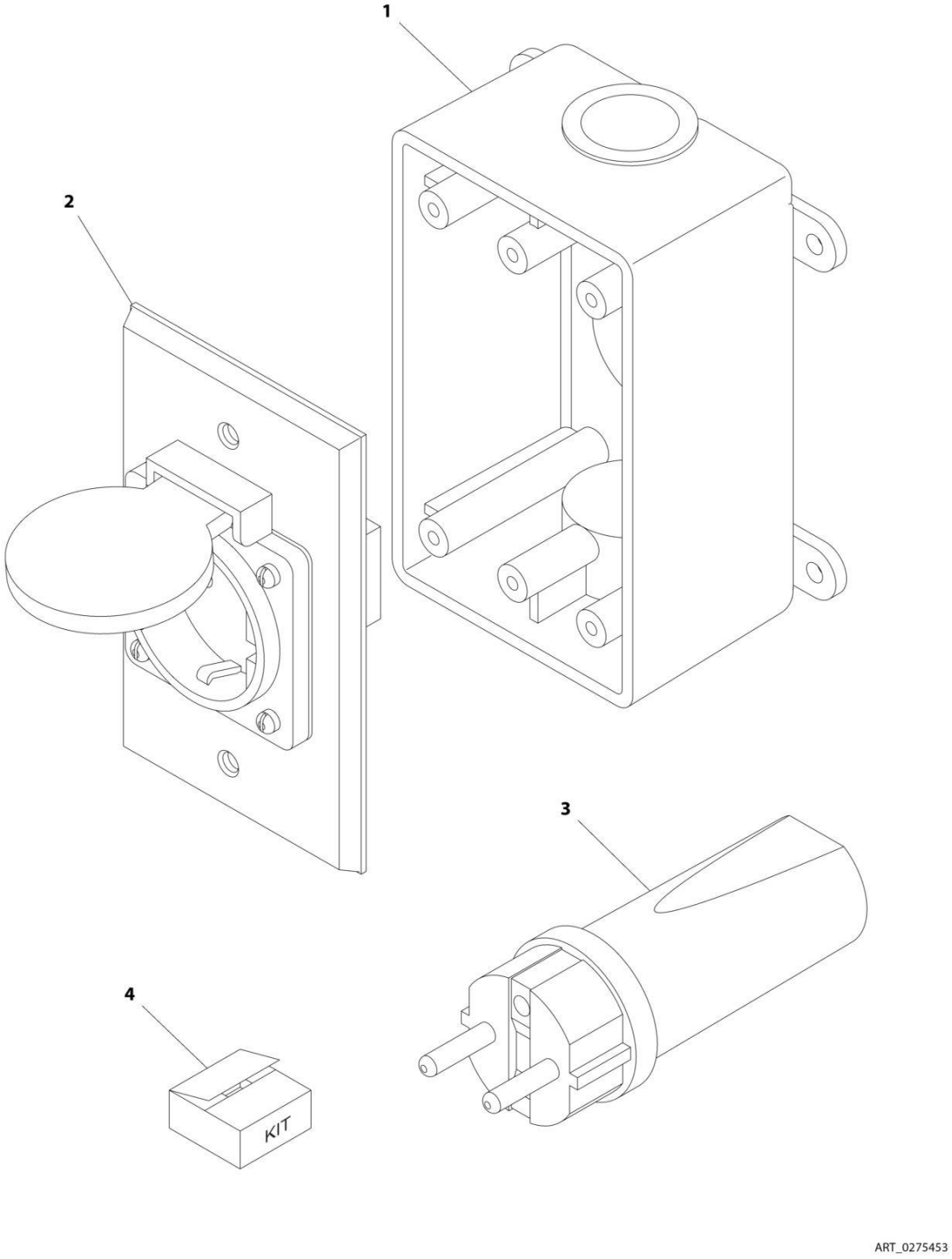


FIGURE 8-75. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2X4 BOX (CE & UK CA SPECS)

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)	

FIGURE 8-76. RECEPTACLE BOX KIT - 220V AFSINT107 KEYED GROUND (CE & UK CA SPECS)

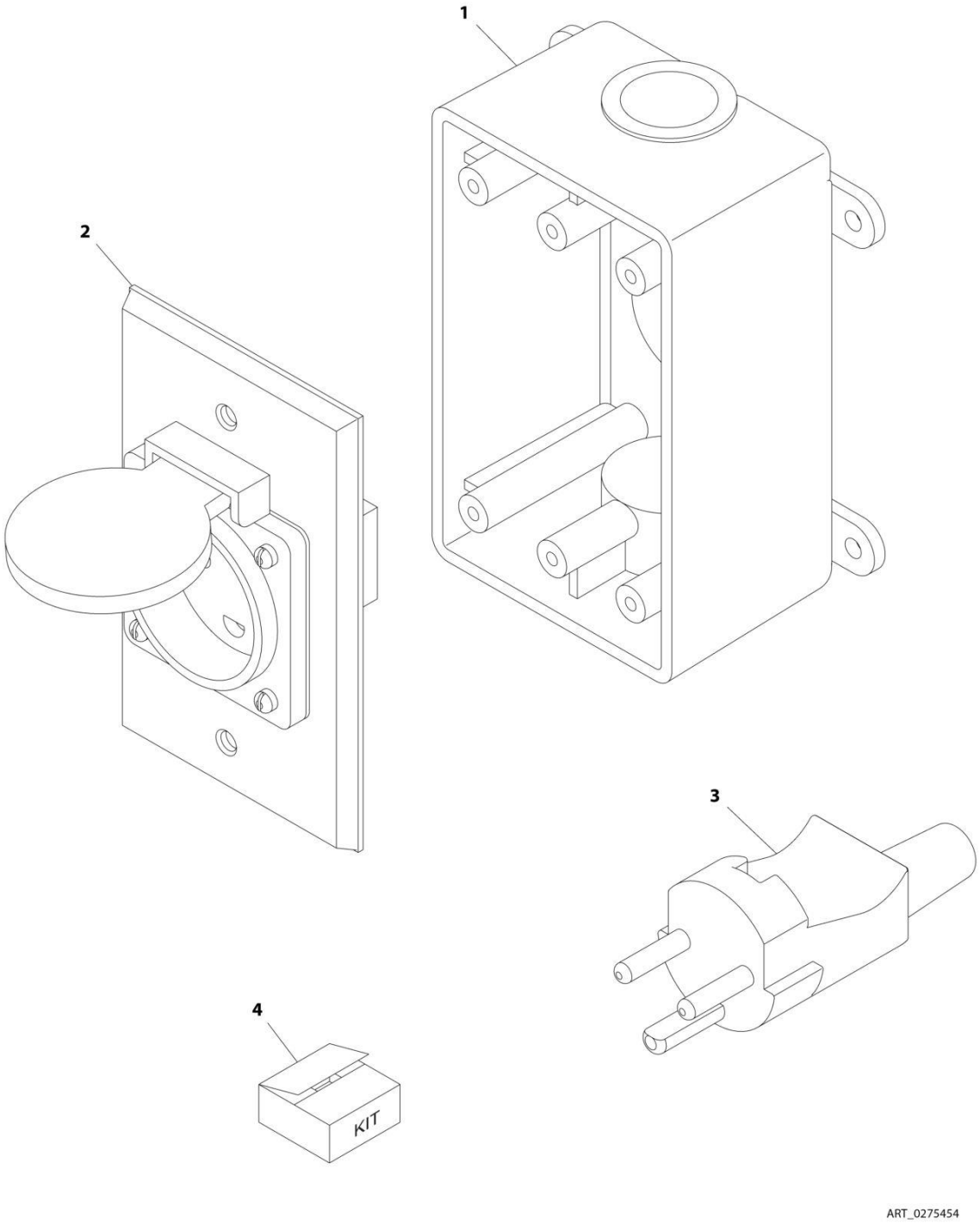


FIGURE 8-76. RECEPTACLE BOX KIT - 220V AFSINT107 KEYED GROUND (CE & UK CA SPECS)

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)	

FIGURE 8-77. RECEPTACLE/BREAKER BOX ASSEMBLY - 240V (7500W SKYPOWER GENERATORS) (ANSI, ANSI EXPORT AND CSA SPECS)

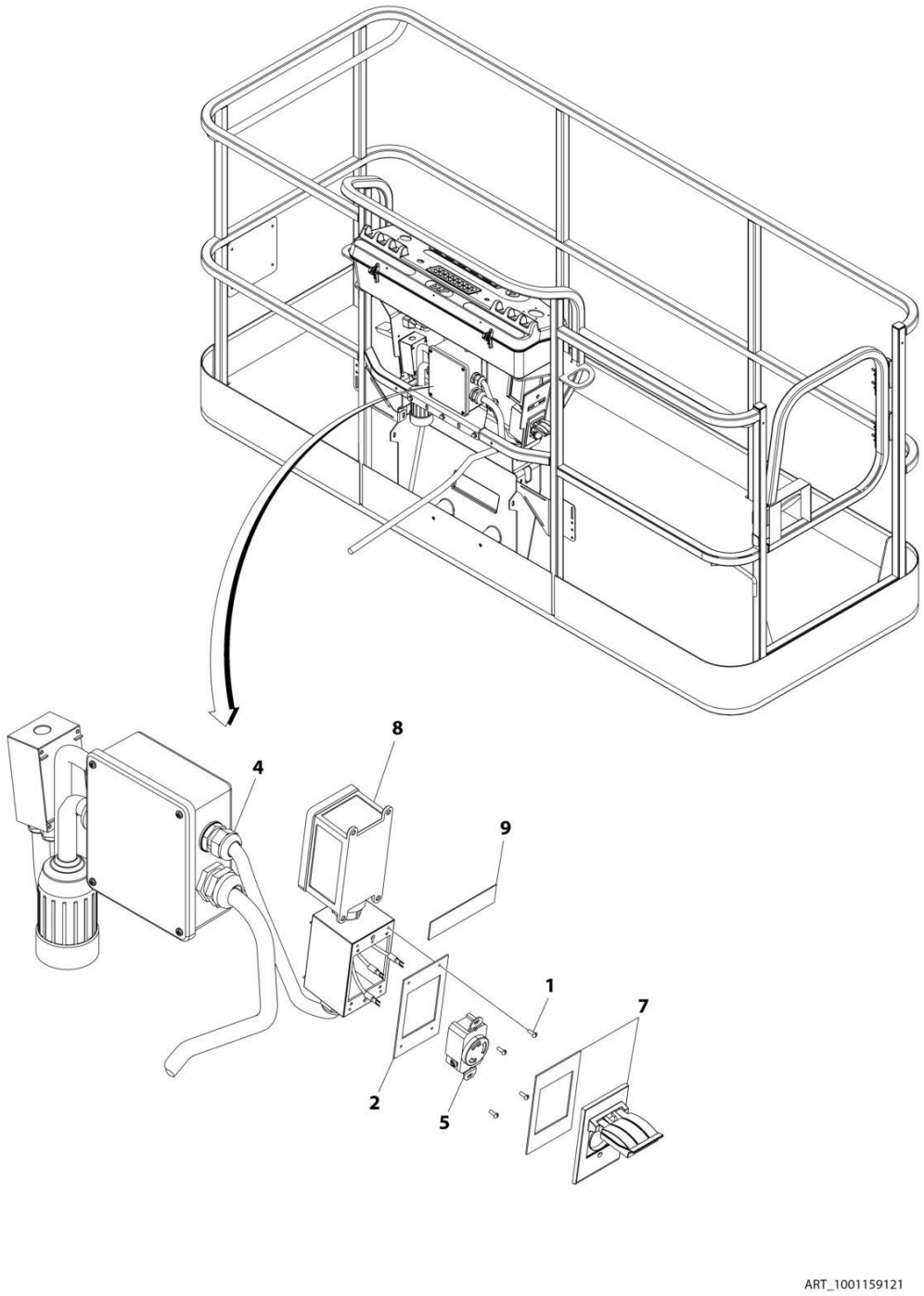


FIGURE 8-77. RECEPTACLE/BREAKER BOX ASSEMBLY - 240V (7500W SKYPOWER GENERATORS) (ANSI, ANSI EXPORT AND CSA SPECS)

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	

FIGURE 8-78. SKYEYE EMITTER HARNESS

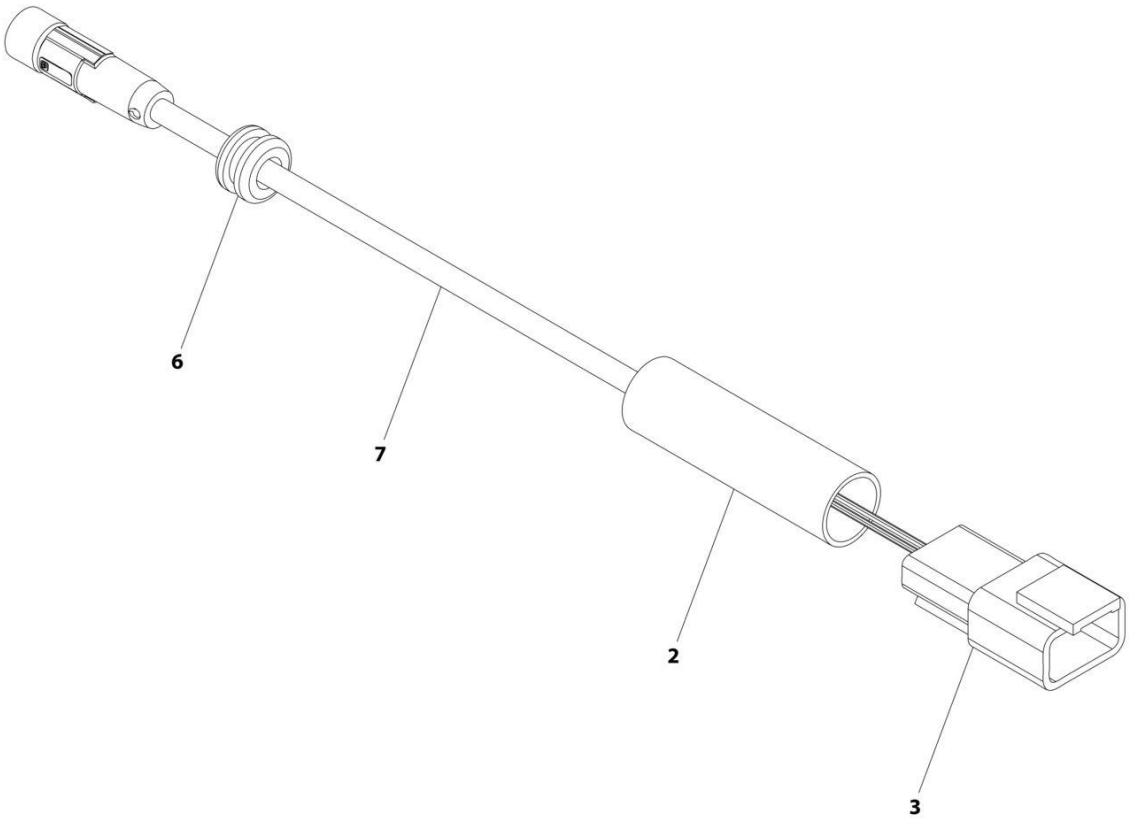
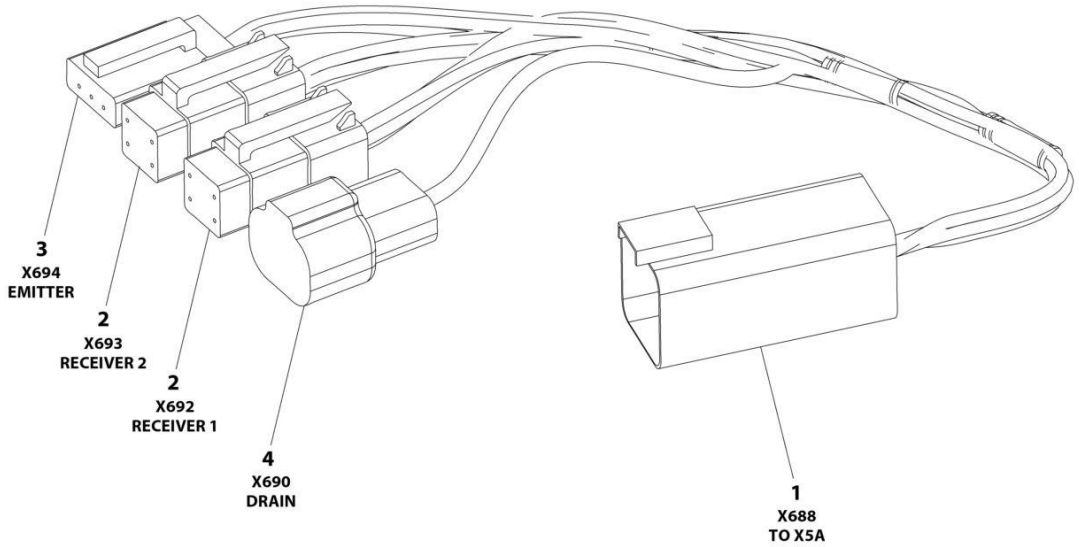


FIGURE 8-78. SKYEYE EMITTER HARNESS

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	

FIGURE 8-79. SKYEYE INTERMEDIATE HARNESS



ART_1001237865

FIGURE 8-79. 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	

FIGURE 8-80. SKYEYE RECEIVER HARNESS

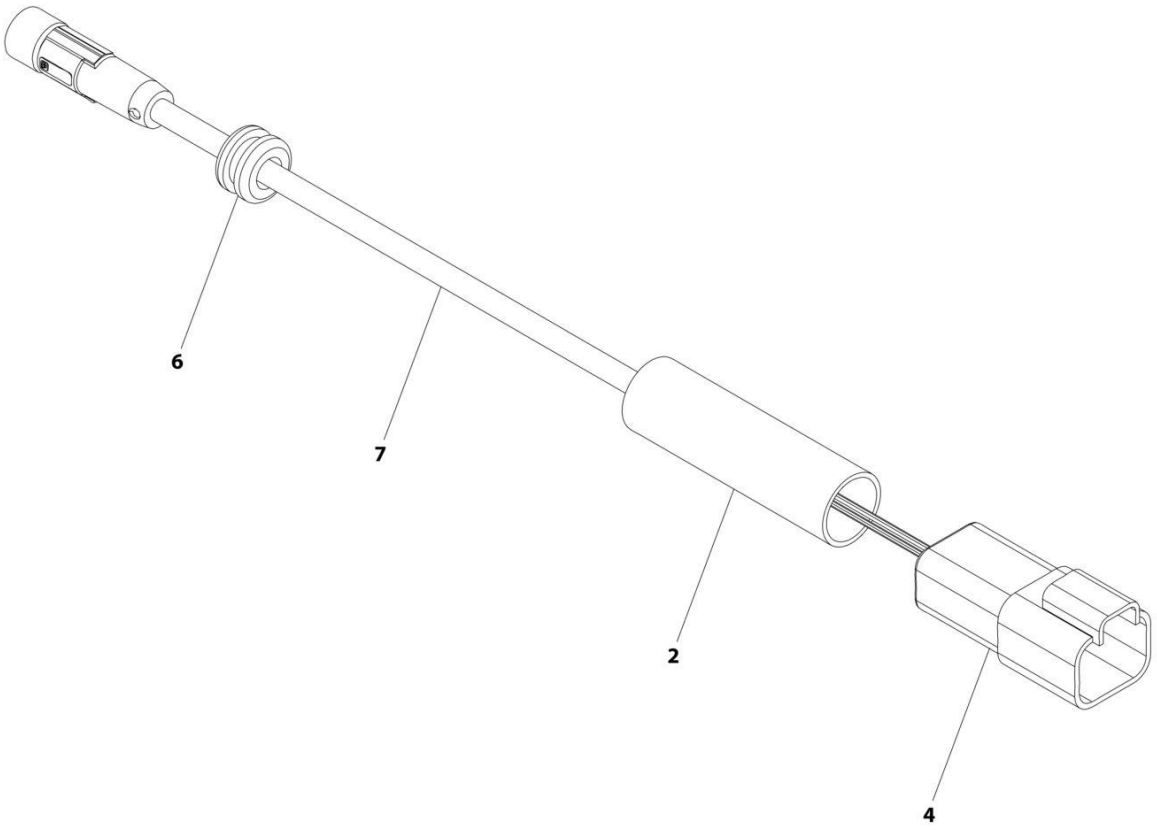


FIGURE 8-80. SKYEYE RECEIVER HARNESS

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	

FIGURE 8-81. SKYLINE HARNESS

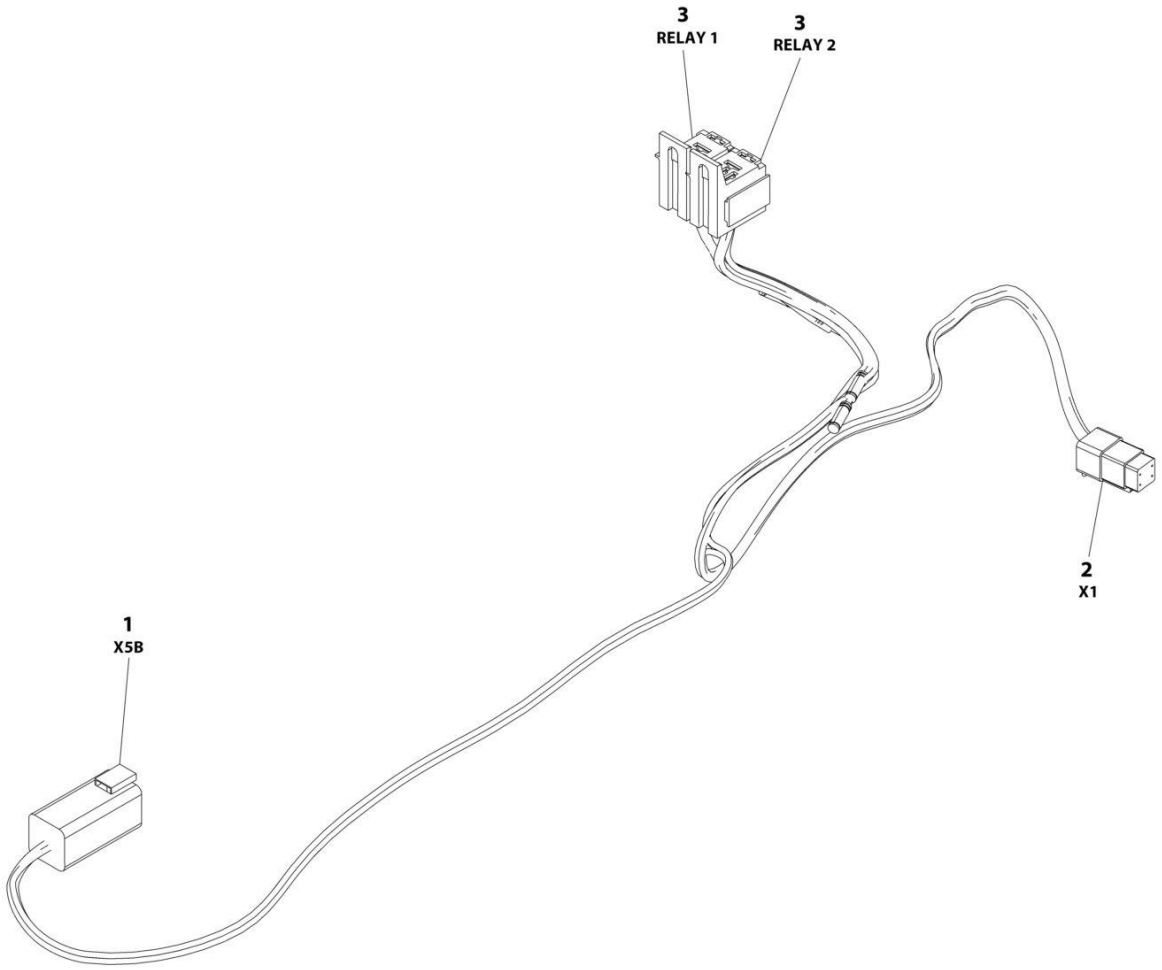


FIGURE 8-81. SKYLINE HARNESS

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	

FIGURE 8-82. SKYGUARD INTERFACE HARNESS

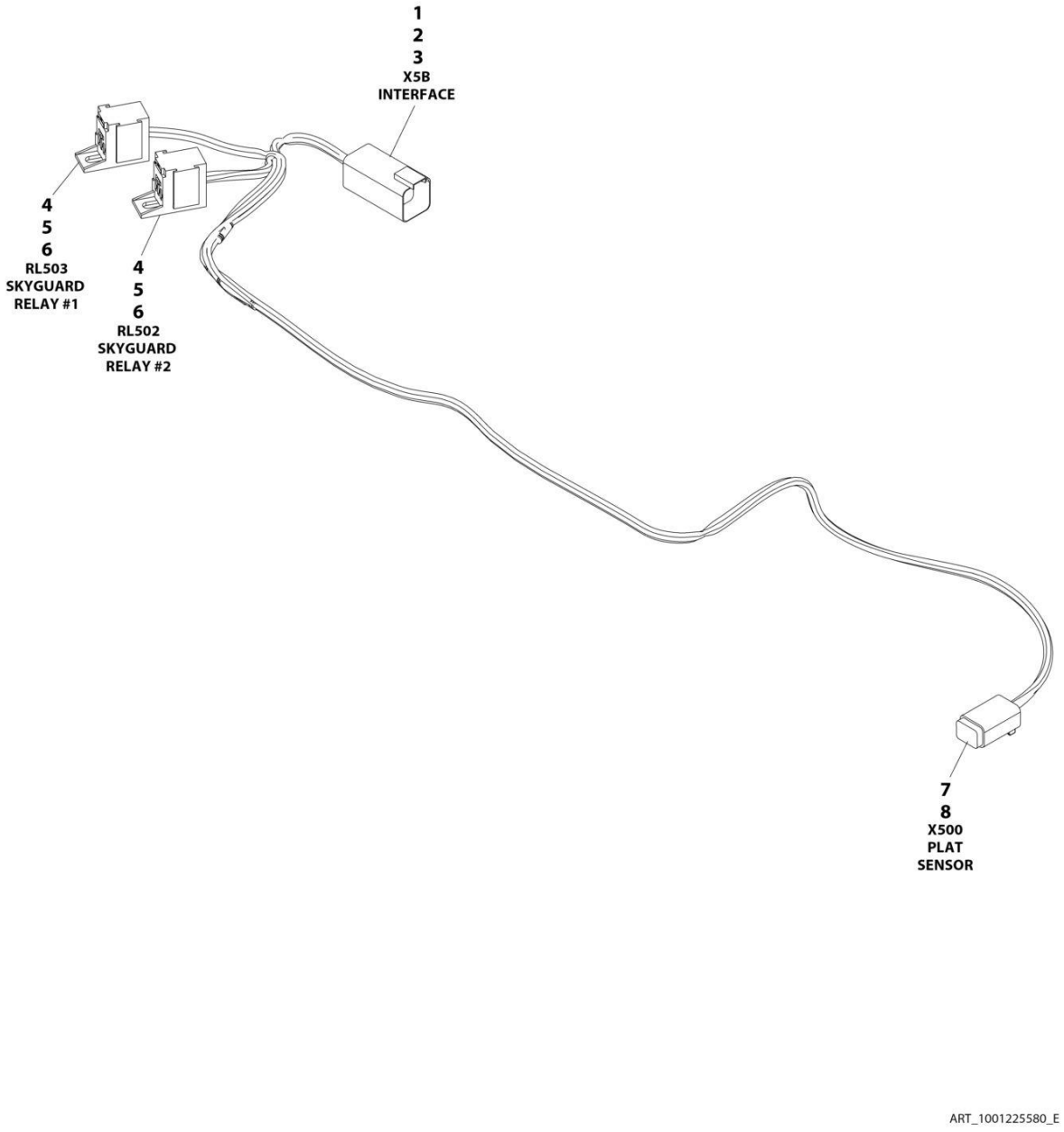


FIGURE 8-82. SKYGUARD INTERFACE HARNESS

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	

FIGURE 8-83. STROBE LIGHT JUMPER HARNESS

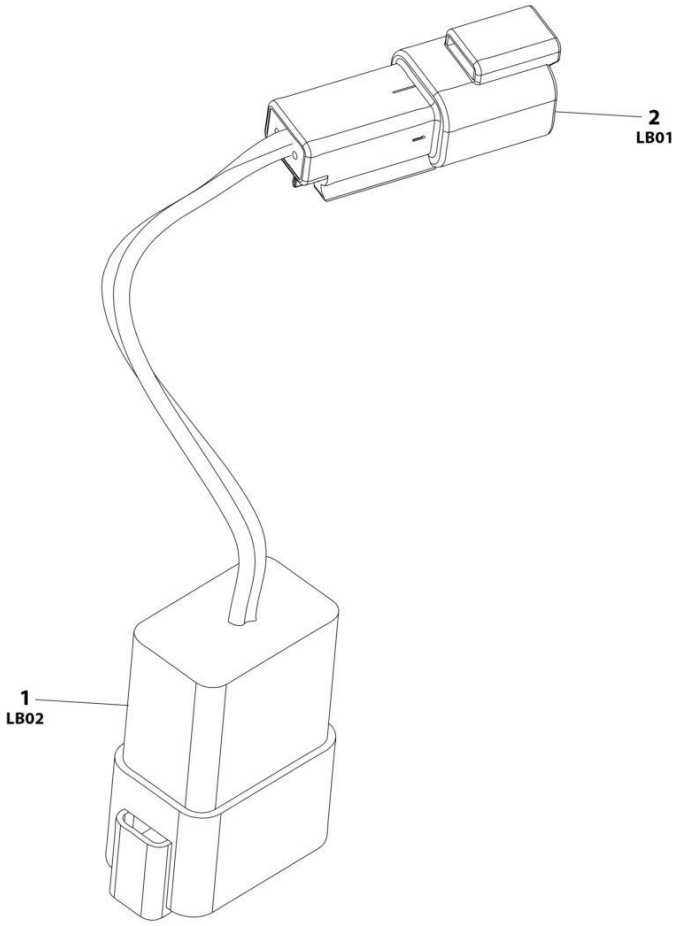


FIGURE 8-83. STROBE LIGHT JUMPER HARNESS

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

FIGURE 8-84. VALVE HARNESS (Prior to SN 0300298282)

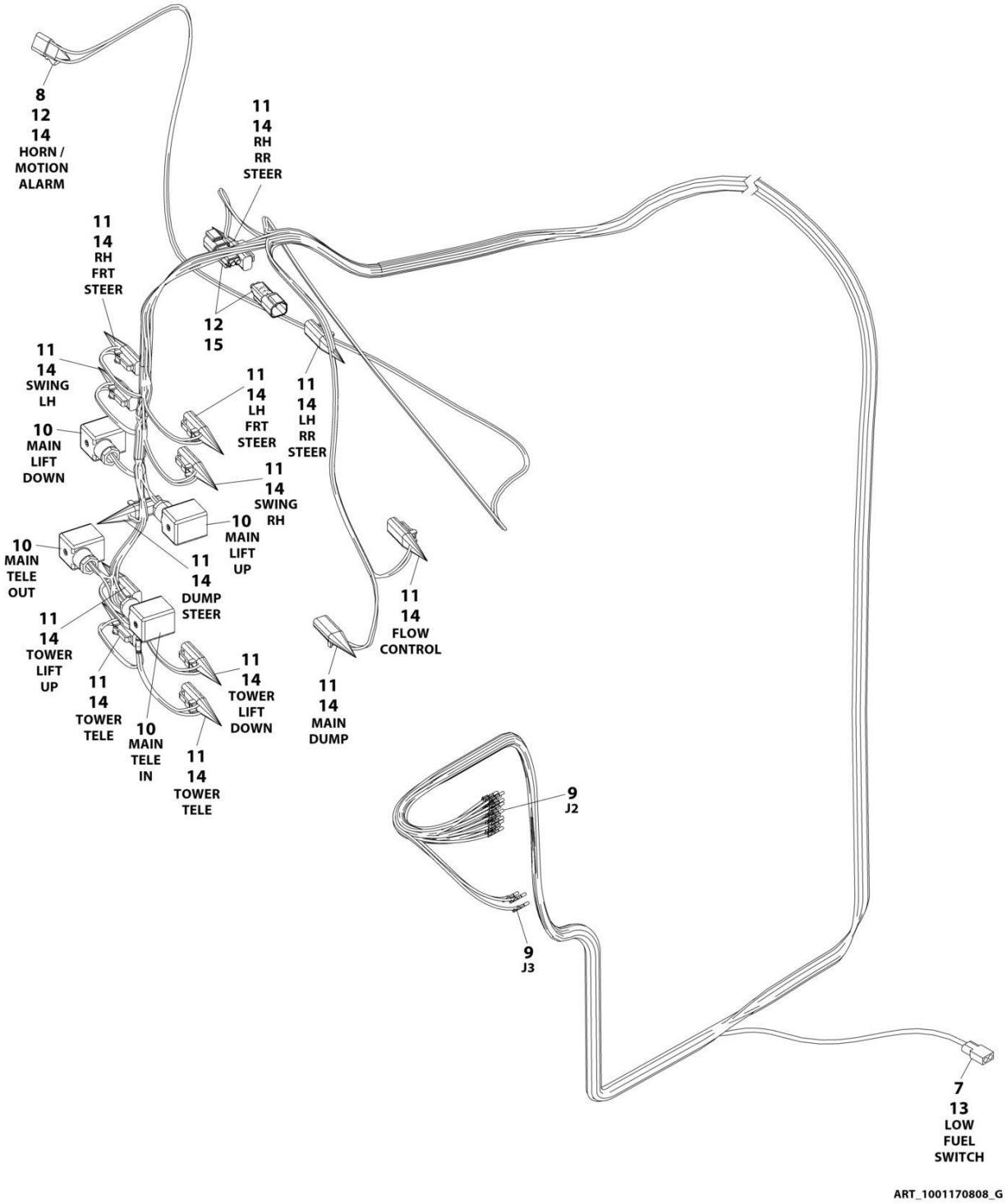


FIGURE 8-84. VALVE HARNESS (Prior to SN 0300298282)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170808	Ref	VALVE HARNESS	G
7	4460268	2	Socket, Female	
8	4460539	1	Plug, Male - 3 Position	
9	4460871	27	Socket, Female	
10	1001263923	4	Connector, Din	
11	4460891	13	Plug, Male - 2 Position	
12	4460466	5	Plug, Terminal	
13	4460424	1	Receptacle, Female - 2 Position	
14	4460465	28	Socket, Female	
15	4460897	2	Receptacle, Female - 2 Position	

FIGURE 8-85. VALVE HARNESS (SN 0300298282 to Present)

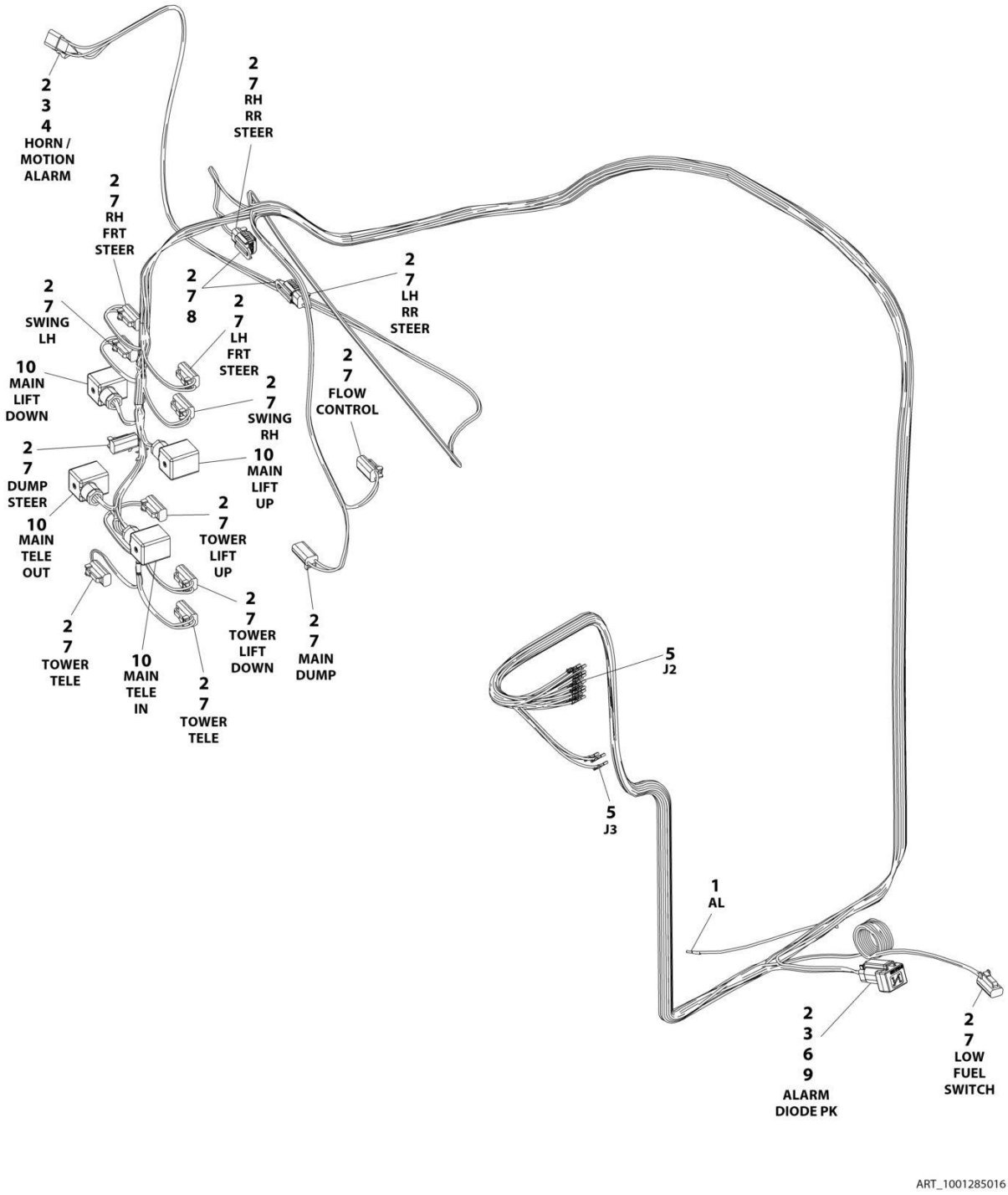


FIGURE 8-85. VALVE HARNESS (SN 0300298282 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285016	Ref	VALVE HARNESS	D
1	4460464	1	Terminal	
2	4460465	33	Socket	
3	4460466	3	Plug, Terminal	
4	4460539	1	Connector	
5	4460871	27	Socket	
6	4460884	1	Connector	
7	4460891	14	Connector	
8	1001144295	2	Cap, Dust	
9	1001152266	1	Connector	
10	1001263923	4	Connector	
11	4460897	1	Connector (Not Shown)	

FIGURE 8-86. WHITE NOISE ALARM HARNESS

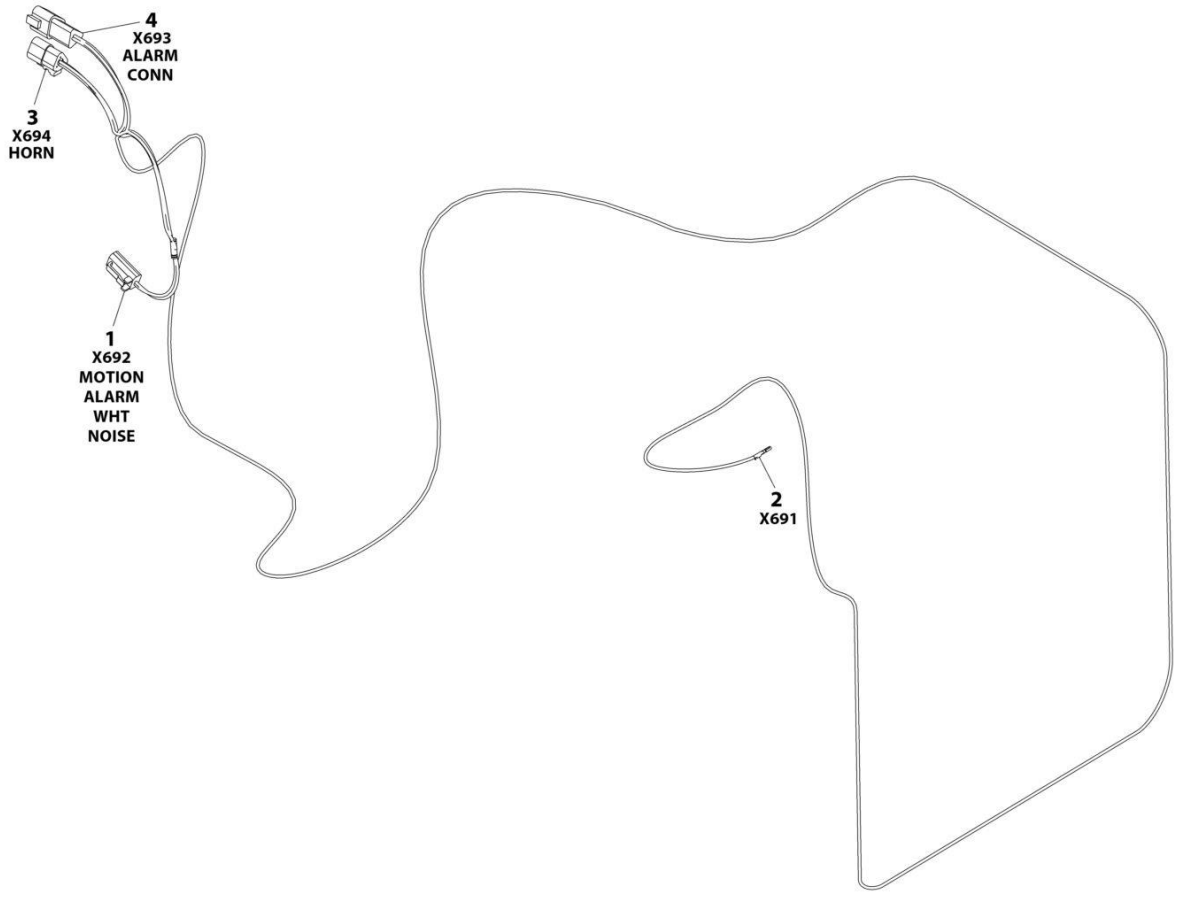


FIGURE 8-86. WHITE NOISE ALARM HARNESS

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

SECTION 9 - DECALS

SECTION 9 - DECALS

FIGURE 9-1. DECAL INSTALLATION - ANSI SPECS (800AJ)

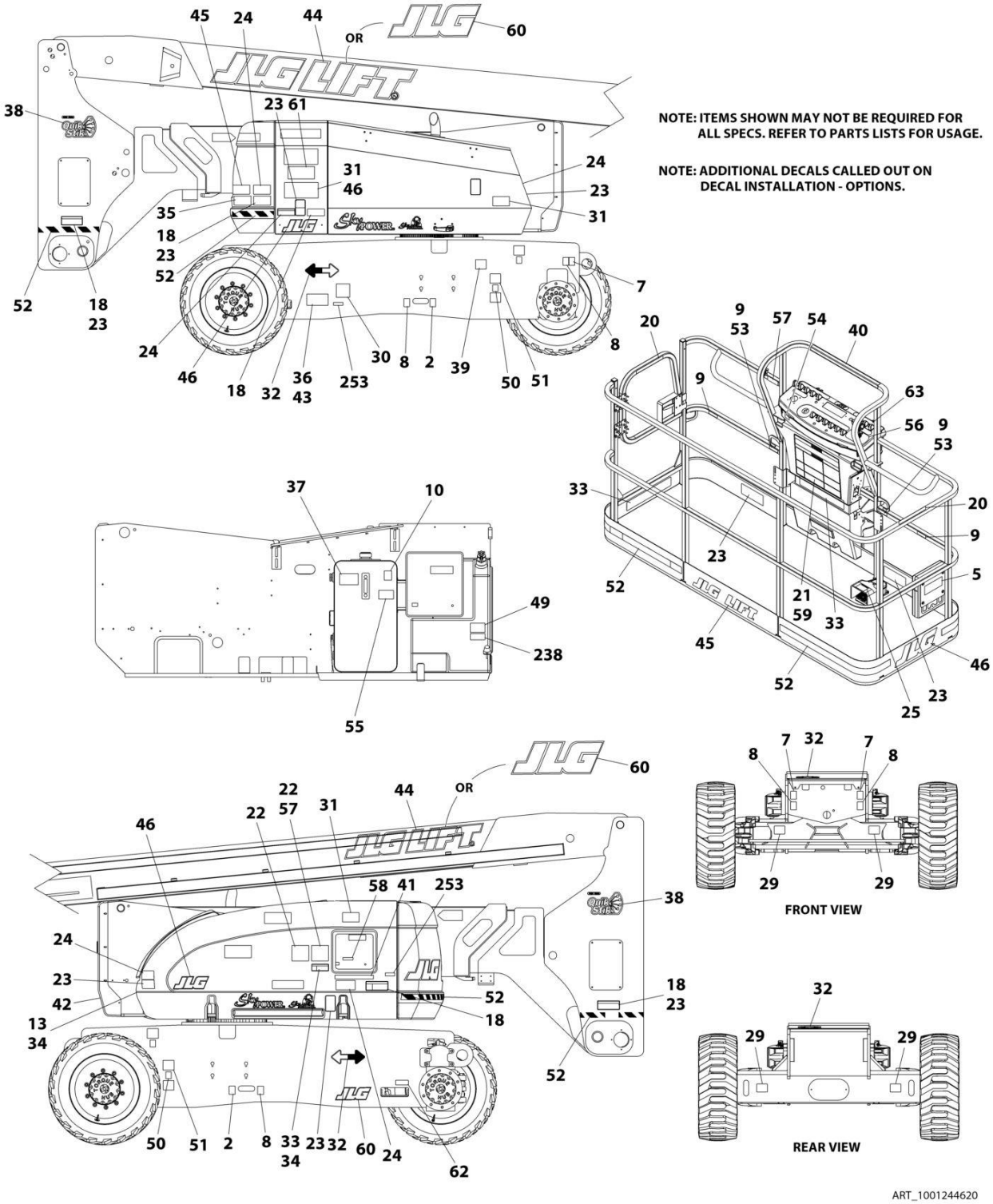


FIGURE 9-1. DECAL INSTALLATION - ANSI SPECS (800AJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244620	Ref	DECAL INSTALLATION (ENGLISH LANGUAGE)	F
2	1701499	2	Decal - No Lifting	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Lifting Lug	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Lanyard Attach Graphic	
10	1704412	1	Decal - Hydraulic Oil Chart	
13	3251243	1	Nameplate - 120V-60Hz	
18	1703953	5	Decal - Warning Crushing	
20	1702868	2	Decal - No Hands	
21	1703797	1	Decal - Warning/Danger	
22	1705336	1	Decal - Warning Inspection	
23	1703804	4	Decal - Warning Crushing	
24	1703805	5	Decal - Danger Electrocution	
25	3252347	1	Decal - Footswitch	
29	1703960	4	Decal - Maximum Tire Load	
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1703773	2	Decal - 800AJ **(Prior to SN 0300280293)**	
31	1001267312	2	Decal - 800AJ **(SN 0300280293 to Present)**	
32	1701501	4	Decal - Arrow	
33	1001253920	1	Decal - Warning Maximum Capacity	
34	1001253921	1	Decal - Warning Maximum Capacity	
37	1001096141	1	Decal - Upright Level Override	
38	1703959	2	Decal - Quick Stick	
39	1001131269	1	Decal - Patent	
43	3820001	2	Rivet	
52	4420051	23.5 ft/7.16m	Tape, Safety	
56	1705351	1	Decal - Drive/Steer Instructions	
60	1001223055	1	Decal - Yearly Inspection	
61	1001284686	1	Decal - Lift Diagram	
62	1001223453	1	Decal - ICES	
63	1001184618	1	Decal - Stop & Auxiliary Power	

SECTION 9 - DECALS

FIGURE 9-2. DECAL INSTALLATION - AUSTRALIAN SPECS (800AJ)

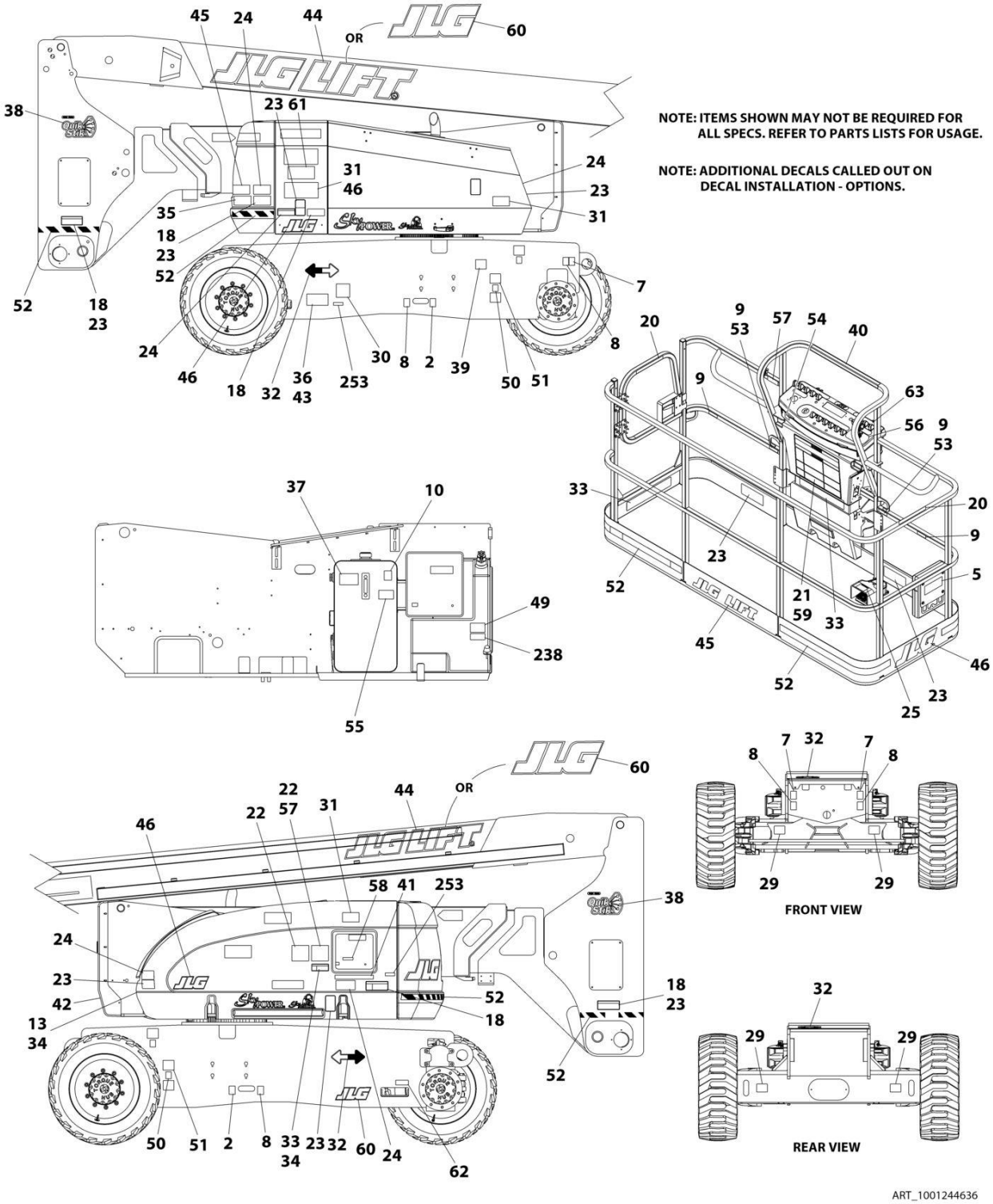


FIGURE 9-2. DECAL INSTALLATION - AUSTRALIAN SPECS (800AJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244636	Ref	DECALS INSTALLATION (ENGLISH LANGUAGE)	F
2	1701499	2	Decal - No Lifting	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Lifting Lug	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Lanyard Attach Graphic	
10	1704412	1	Decal - Hydraulic Oil Chart	
21	1705921	1	Decal - Tipping/Electrocution	
22	1705822	1	Decal - Electrical/ Safety Manual	
23	1701518	9	Decal - Warning Crushing	
24	1705961	5	Decal - Danger Electrocution	
25	1705828	1	Decal - Footswitch	
29	1703960	4	Decal - Maximum Tire Load	
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1703773	2	Decal - 800AJ **(Prior to SN 0300280293)**	
31	1001267312	2	Decal - 800AJ **(SN 0300280293 to Present)**	
32	1701501	4	Decal - Arrow	
33	1705978	2	Decal - Capacity	
37	1705977	1	Decal - Upright Level Override	
38	1703959	2	Decal - Quick Stick	
43	3820001	2	Rivet	
52	4420051	23.1 ft/ 7.04m	Tape, Safety	
57	1001112551	1	Decal - Emergency Controls	
61	1001284686	1	Decal - Lift Diagram	
63	1001184618	1	Decal - Stop & Auxiliary Power	

SECTION 9 - DECALS

FIGURE 9-3. DECAL INSTALLATION - BRAZILIAN SPECS (800AJ)

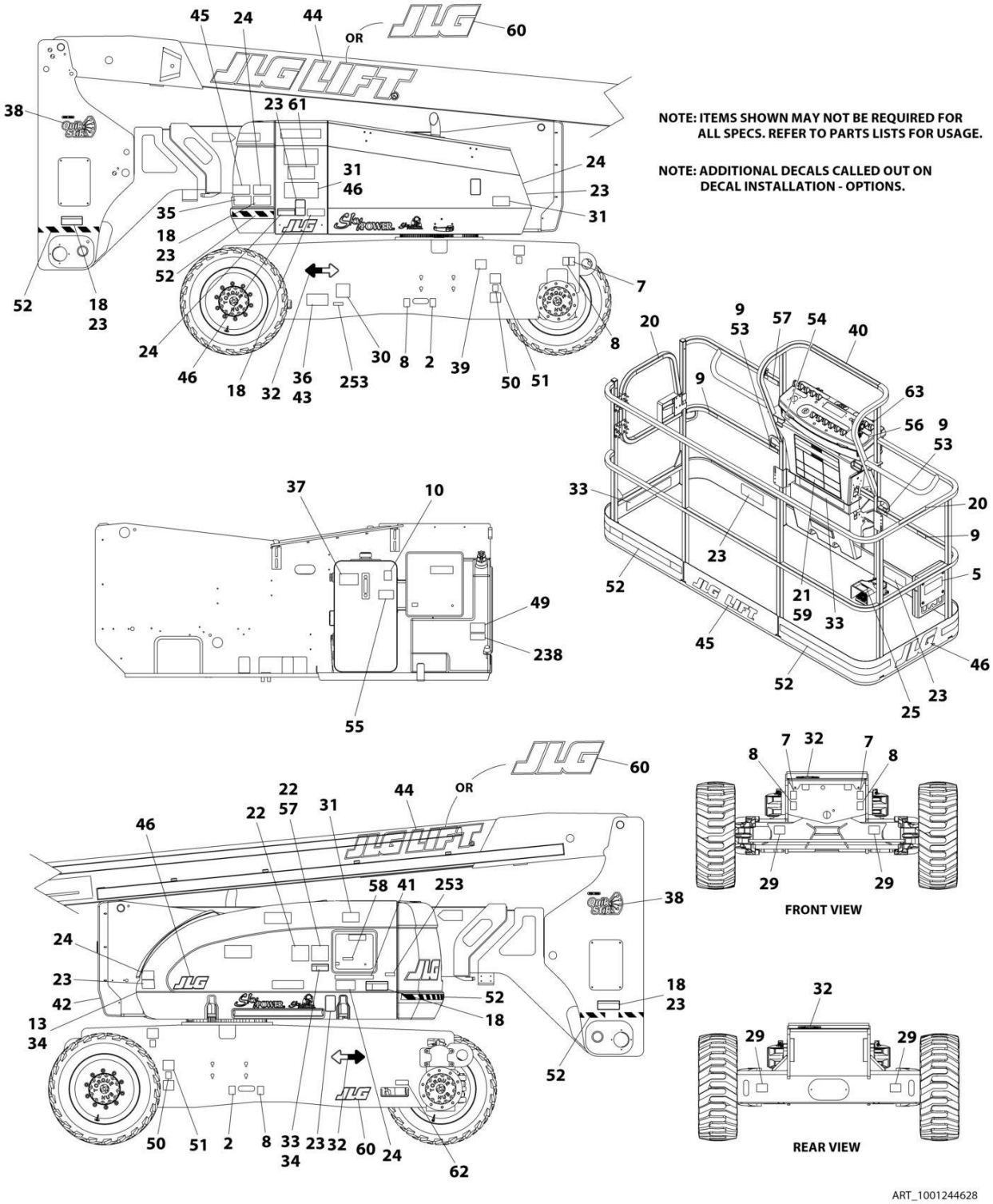


FIGURE 9-3. DECAL INSTALLATION - BRAZILIAN SPECS (800AJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244628	Ref	DECAL INSTALLTION (ENGLISH/PORTUGUESE LANGUAGE)	G
2	1701499	2	Decal - No Lifting	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Lifting Lug	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Lanyard Attach Graphic	
10	1704412	1	Decal - Hydraulic Oil Chart	
13	3251243	1	Nameplate - 120V-60Hz	
18	1705903	5	Decal - Warning Crushing	
20	1705967	2	Decal - No Hands	
21	1705895	1	Decal - Warning/Danger	
22	1705896	1	Decal - Warning Inspection	
23	1705898	4	Decal - Warning Crushing	
24	1705897	5	Decal - Danger Electrocution	
25	1705902	1	Decal - Footswitch	
29	1703960	4	Decal - Maximum Tire Load	
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1703773	2	Decal - 800AJ **(Prior to SN 0300280293)**	
31	1001267312	2	Decal - 800AJ **(SN 0300280293 to Present)**	
32	1701501	4	Decal - Arrow	
33	1001253936	1	Decal - Warning Dual Capacity	
34	1001253937	1	Decal - Warning Dual Capacity	
37	1705977	1	Decal - Upright Level Override	
38	1703959	2	Decal - Quick Stick	
43	3820001	2	Rivet	
52	4420051	23.5 ft/7.16m	Tape, Safety	
56	1705905	1	Decal - Drive/Steer Instructions	
60	1001224052	1	Decal - Yearly Inspection (LAT.POR/LAT.SPA.)	
60	1001267885	1	Decal - Yearly Inspection (ENG/LAT.POR)	
61	1001284686	1	Decal - Lift Diagram	
63	1001184618	1	Decal - Stop and Auxiliary Power	

SECTION 9 - DECALS

FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPECS (800AJ)

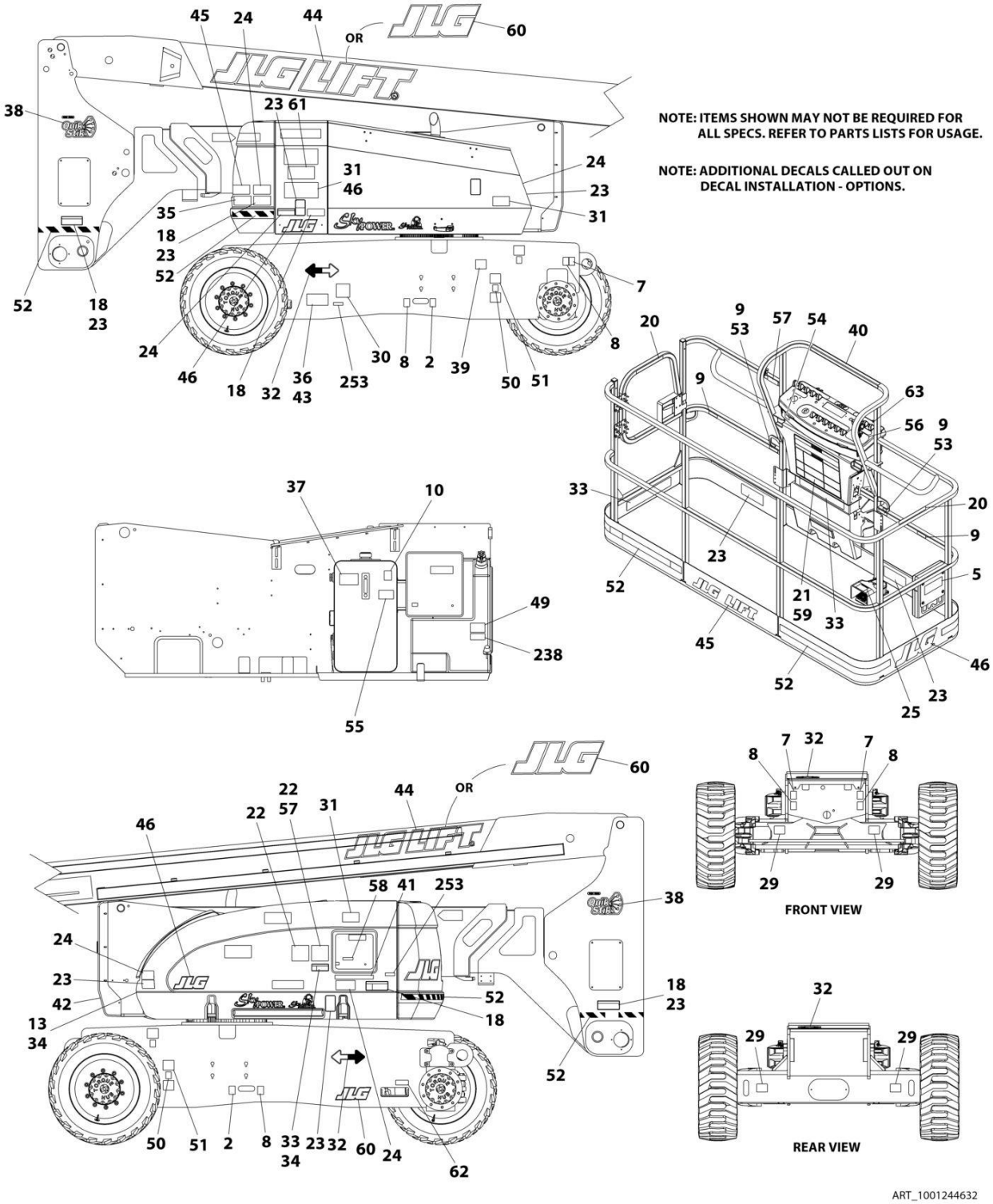


FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPECS (800AJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244632	Ref	DECALS INSTALLATION (ENGLISH LANGUAGE)	F
2	1701499	2	Decal - No Lifting	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Lifting Lug	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Lanyard Attach Graphic	
10	1704412	1	Decal - Hydraulic Oil Chart	
21	1705921	1	Decal - Tipping Electrocution	
22	1705822	1	Decal - Electrical/Safety Manual	
23	1701518	9	Decal - Warning Crushing	
24	1705961	5	Decal - Danger Electrocution	
25	1705828	1	Nmaeplate - Footswitch	
29	1703960	4	Decal - Maximum Tire Load	
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1703773	2	Decal - 800AJ **(Prior to SN 0300280293)**	
31	1001267312	2	Decal - 800AJ **(SN 0300280293 to Present)**	
32	1701501	4	Decal - Arrow	
33	1705978	2	Decal - Capacity	
37	1705977	1	Decal - Upright Level Override	
38	1703959	2	Decal - Quick Stick	
43	3820001	2	Rivet	
46	1702773	3	Decal - JLG	
52	4420051	23.1 ft/ 7.04m	Tape, Safety	
60	1001159323	2	Decal - JLG	
61	1001284686	1	Decal - Lift Diagram	
63	1001184618	1	Decal - Stop and Auxiliary Power	

SECTION 9 - DECALS

FIGURE 9-5. DECAL INSTALLATION - CHINESE SPECS (800AJ)

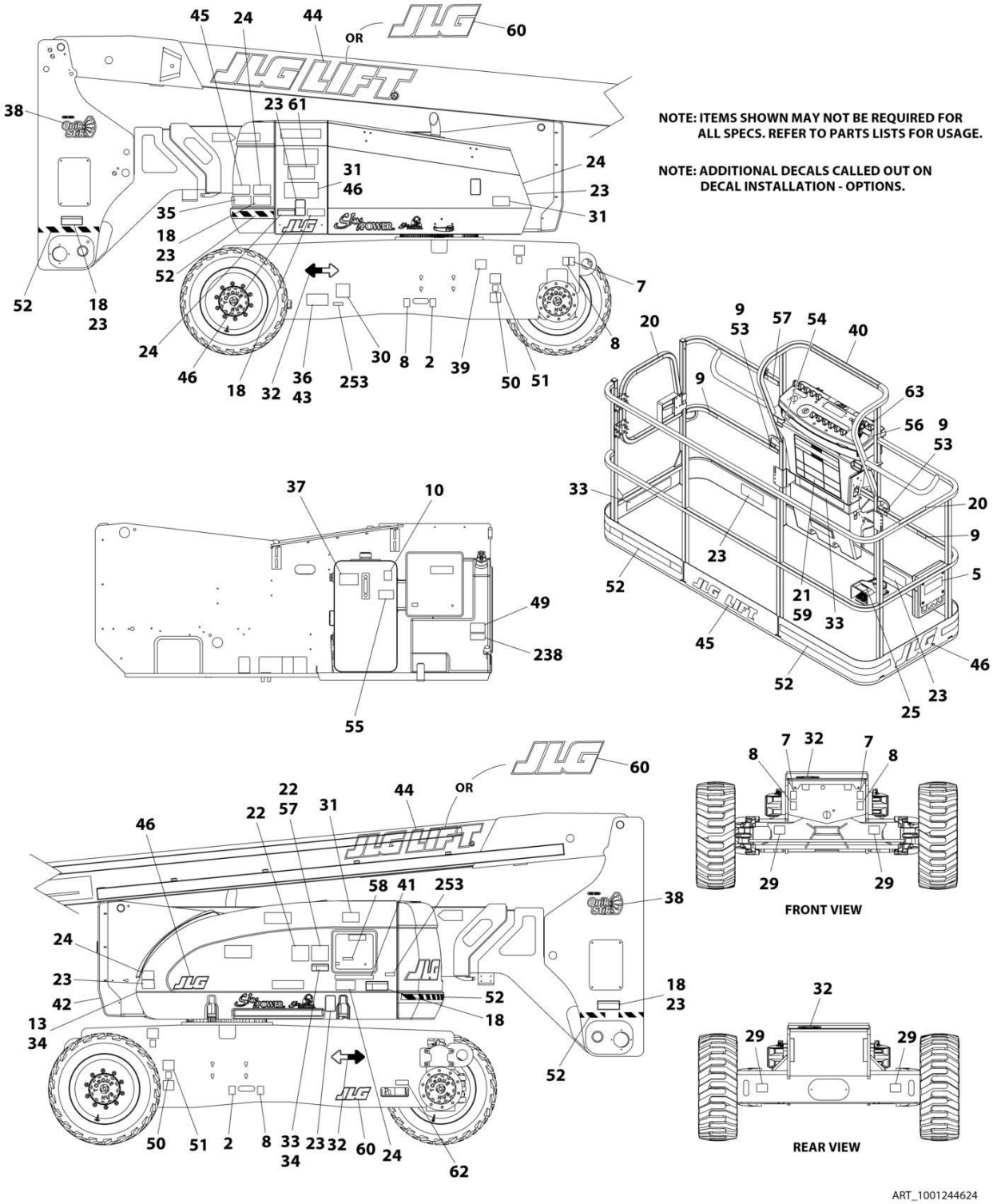


FIGURE 9-5. DECAL INSTALLATION - CHINESE SPECS (800AJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244624	Ref	DECALS INSTALLATION (ENGLISH/CHINESE LANGUAGE)	G
2	1701499	2	Decal - No Lifting	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Lifting Lug	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Lanyard Attach Graphic	
10	1704412	1	Decal - Hydraulic Oil Chart	
18	1703943	5	Decal - Warning Crushing	
20	1705968	2	Decal - No Hands	
21	1703925	1	Decal - Warning/Danger	
22	1705348	1	Decal - Warning Inspection	
23	1703949	4	Decal - Warning Crushing	
24	1703937	5	Decal - Danger Electrocution	
25	1703982	1	Decal - Footswitch	
29	1703960	4	Decal - Maximum Tire Load	
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1703773	2	Decal - 800AJ **(Prior to SN 0300280293)**	
31	1001267312	2	Decal - 800AJ **(SN 0300280293 to Present)**	
32	1701501	4	Decal - Arrow	
33	1001253926	1	Decal - Warning Maximum Capacity	
34	1001253927	1	Decal - Warning Maximum Capacity	
37	1705977	1	Decal - Upright Level Override	
38	1703959	2	Decal - Quick Stick	
43	3820001	2	Rivet	
52	4420051	23.5 ft/ 7.16m	Tape, Safety	
56	1705430	1	Decal - Drive/Steer Instructions	
60	1001224050	1	Decal - Yearly Inspection	
61	1001284686	1	Decal - Lift Diagram	
63	1001184618	1	Decal - Stop & Auxiliary Power	

SECTION 9 - DECALS

FIGURE 9-6. DECAL INSTALLATION - CSA SPECS (800AJ)

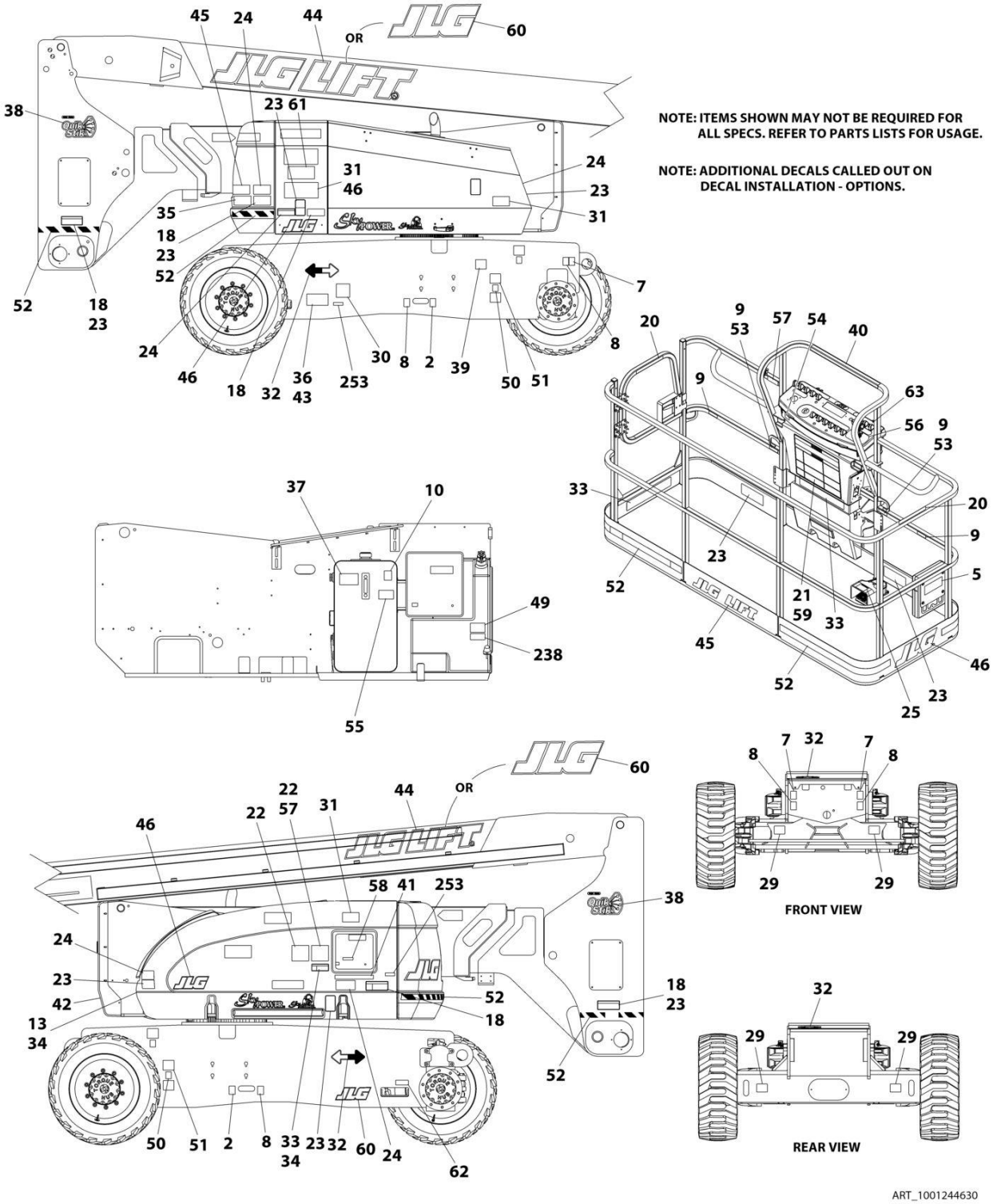


FIGURE 9-6. DECAL INSTALLATION - CSA SPECS (800AJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244630	Ref	DECALS INSTALLATION (ENGLISH/FRENCH LANGUAGE)	F
2	1701499	2	Decal - No Lifting	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Lifting Lug	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Lanyard Attach Graphic	
10	1704412	1	Decal - Hydraulic Oil Chart	
13	3251243	1	Nameplate - 120V-60Hz	
18	1703942	5	Decal - Warning Crushing	
20	1704000	2	Decal - No Hands	
21	1703924	1	Decal - Warning/Danger	
22	1705347	1	Decal - Warning Inspection	
23	1703948	4	Decal - Warning Crushing	
24	1703936	5	Decal - Danger Electrocution	
25	1703984	1	Decal - Footswitch	
29	1703960	4	Decal - Maximum Tire Load	
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1703773	2	Decal - 800AJ **(Prior to SN 0300280293)**	
31	1001267312	2	Decal - 800AJ **(SN 0300280293 to Present)**	
32	1701501	4	Decal - Arrow	
33	1001253922	1	Decal - Warning Maximum Capacity	
34	1001253923	1	Decal - Warning Maximum Capacity	
37	1705977	1	Decal - Upright Level Override	
38	1703959	2	Decal - Quick Stick	
43	3820001	2	Rivet	
52	4420051	23.5 ft/7.16m	Tape, Safety	
56	1705429	1	Decal - Drive/Steer Instructions	
60	1001223971	1	Decal - Yearly Inspection	
61	1001284686	1	Decal - Lift Diagram	
62	1001223453	1	Decal - ICES	
63	1001184618	1	Decal - Stop and Auxiliary Power	

SECTION 9 - DECALS

FIGURE 9-7. DECAL INSTALLATION - JAPANESE SPECS (800AJ)

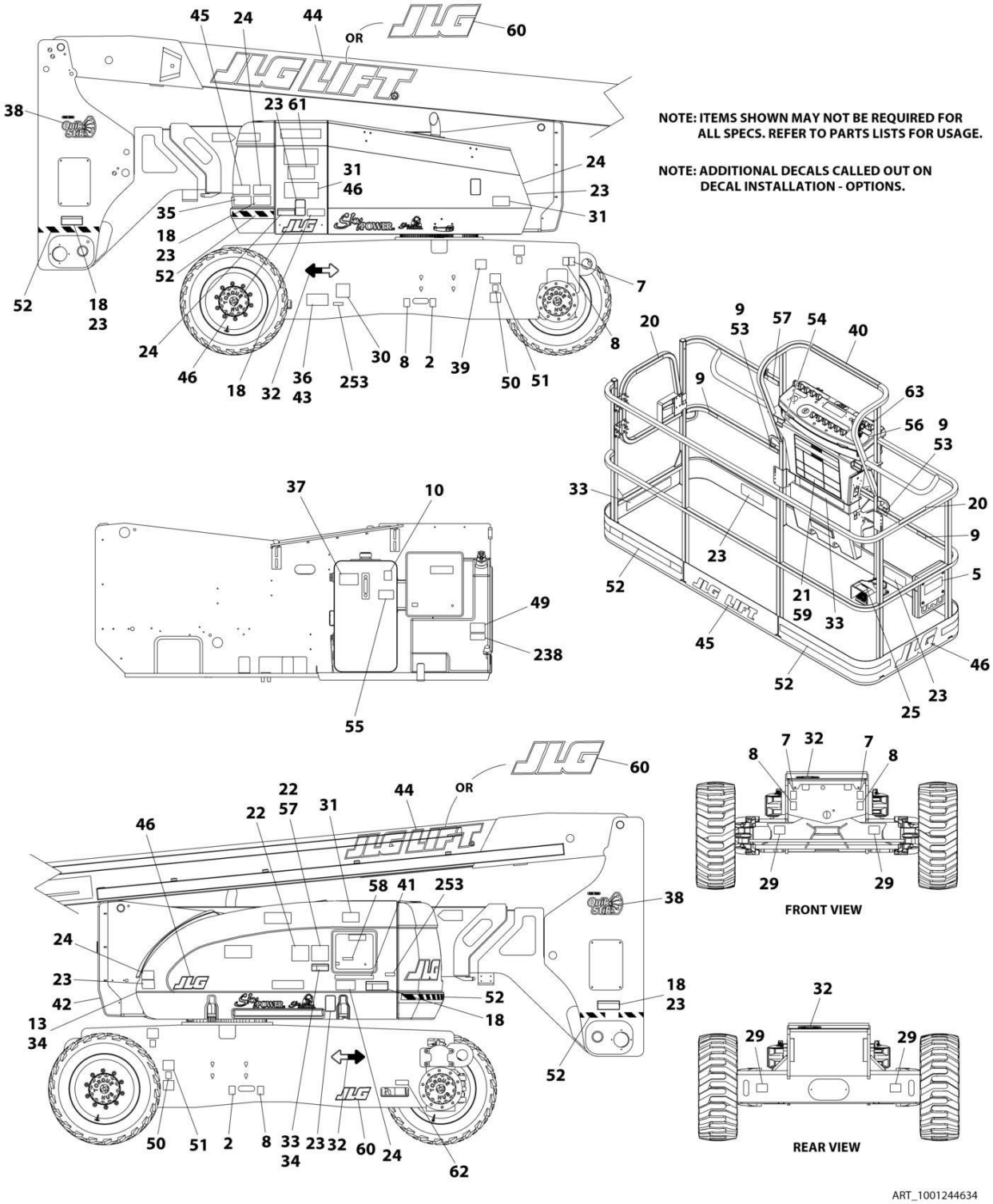


FIGURE 9-7. DECAL INSTALLATION - JAPANESE SPECS (800AJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244634	Ref	DECALS INSTALLATION (ENGLISH/JAPANESE LANGUAGE)	F
2	1701499	2	Decal - No Lifting	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Lifting Lug	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Lanyard Attach Graphic	
10	1704412	1	Decal - Hydraulic Oil Chart	
13	3251243	1	Nameplate - 120V-60Hz	
18	1703944	5	Decal - Warning Crushing	
21	1703926	1	Decal - Warning/Danger	
22	1705344	1	Decal - Warning Inspection	
23	1703950	4	Decal - Warning Crushing	
24	1703938	5	Decal - Danger Electrocution	
25	1703980	1	Decal - Footswitch	
9	1703960	4	Decal - Maximum Tire Load	
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1703773	2	Decal - 800AJ **(Prior to SN 0300280293)**	
31	1001267312	2	Decal - 800AJ **(SN 0300280293 to Present)**	
32	1701501	4	Decal - Arrow	
33	1001253932	1	Decal - Warning Maximum Capacity	
34	1001253933	1	Decal - Warning Maximum Capacity	
37	1705977	1	Decal - Upright Level Override	
38	1703959	2	Decal - Quick Stick	
43	3820001	2	Rivet	
52	4420051	23.5 ft/7.16m	Tape, Safety	
56	1705426	1	Decal - Drive/Steer Instructions	
60	1001224053	1	Decal - Yearly Inspection	
61	1001284686	1	Decal - Lift Diagram	
63	1001184618	1	Decal - Stop and Auxiliary Power	

SECTION 9 - DECALS

FIGURE 9-8. DECAL INSTALLATION - KOREAN SPECS (800AJ)

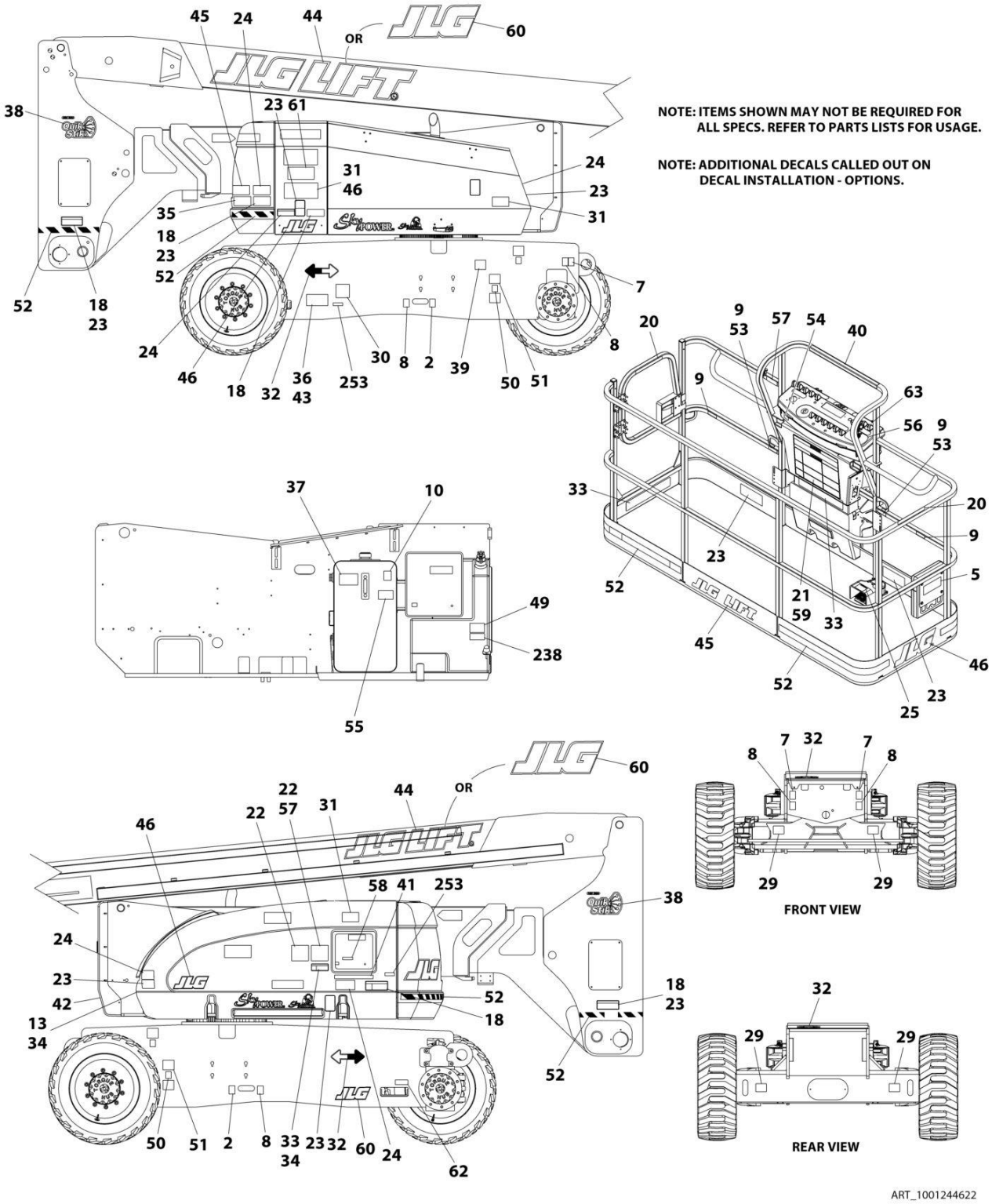


FIGURE 9-8. DECAL INSTALLATION - KOREAN SPECS (800AJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244622	Ref	DECALS INSTALLATION (ENGLISH/KOREAN LANGUAGE)	F
2	1701499	2	Decal - No Lifting	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Lifting Lug	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Lanyard Attach Graphic	
10	1704412	1	Decal - Hydraulic Oil Chart	
18	1703945	5	Decal - Warning Crushing	
20	1705969	2	Decal - No Hands	
21	1703927	1	Decal - Warning/Danger	
22	1705345	1	Decal - Warning Inspection	
23	1703951	4	Decal - Warning Crushing	
24	1703939	5	Decal - Danger Electrocution	
25	1703981	1	Decal - Footswitch	
29	1703960	4	Decal - Maximum Tire Load	
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1703773	2	Decal - 800AJ **(Prior to SN 0300280293)**	
31	1001267312	2	Decal - 800AJ **(SN 0300280293 to Present)**	
32	1701501	4	Decal - Arrow	
33	1001253924	1	Decal - Warning Maximum Capacity	
34	1001253925	1	Decal - Warning Maximum Capacity	
37	1705977	1	Decal - Upright Level Override	
38	1703959	2	Decal - Quick Stick	
43	3820001	2	Rivet	
52	4420051	23.5 ft/7.16m	Tape, Safety	
56	1705427	1	Decal - Drive/Steer Instructions	
60	1001224048	1	Decal - Yearly Inspection	
61	1001284686	1	Decal - Lift Diagram	
63	1001184618	1	Decal - Stop & Auxiliary Power	

SECTION 9 - DECALS

FIGURE 9-9. DECAL INSTALLATION - LATIN AMERICAN SPECS (800AJ)

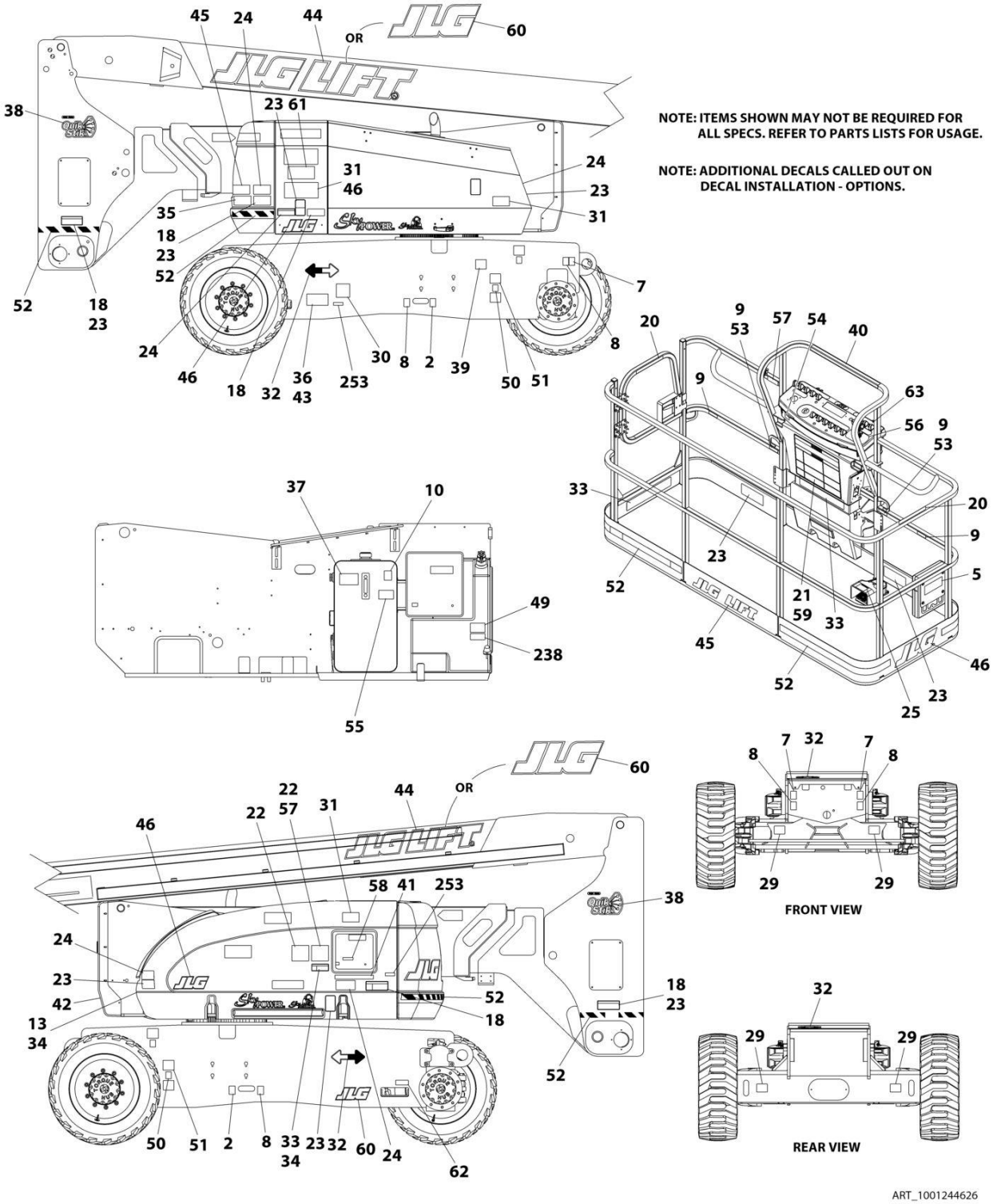


FIGURE 9-9. DECAL INSTALLATION - LATIN AMERICAN SPECS (800AJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244626	Ref	DECALS INSTALLATION (ENGLISH/SPANISH LANGUAGE)	F
2	1701499	2	Decal - No Lifting	
5	1701509	1	Decal - Manual	
7	1703811	4	Decal - Lifting Lug	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Lanyard Attach Graphic	
10	1704412	1	Decal - Hydraulic Oil Chart	
13	3251243	1	Nameplate - 120V-60Hz	
18	1703941	5	Decal - Warning Crushing	
20	1704001	2	Decal - No Hands	
21	1703923	1	Decal - Warning/Danger	
22	1705917	1	Decal - Warning Inspection	
23	1703947	4	Decal - Warning Crushing	
24	1703935	5	Decal - Danger Electrocution	
25	1703983	1	Decal - Footswitch	
29	1703960	4	Decal - Maximum Tire Load	
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1703773	2	Decal - 800AJ **(Prior to SN 0300280293)**	
31	1001267312	2	Decal - 800AJ **(SN 0300280293 to Present)**	
32	1701501	4	Decal - Arrow	
33	1001253930	1	Decal - Warning Maximum Capacity	
34	1001253931	1	Decal - Warning Maximum Capacity	
37	1705977	1	Decal - Upright Level Override	
38	1703959	2	Decal - Quick Stick	
43	3820001	2	Rivet	
52	4420051	23.5 ft/7.16m	Tape, Safety	
56	1705910	1	Decal - Drive/Steer Instructions	
60	1001224049	1	Decal - Yearly Inspection	
61	1001284686	1	Decal - Lift Diagram	
63	1001184618	1	Decal - Stop and Auxiliary Power	

FIGURE 9-10. DECAL INSTALLATION - OPTIONS

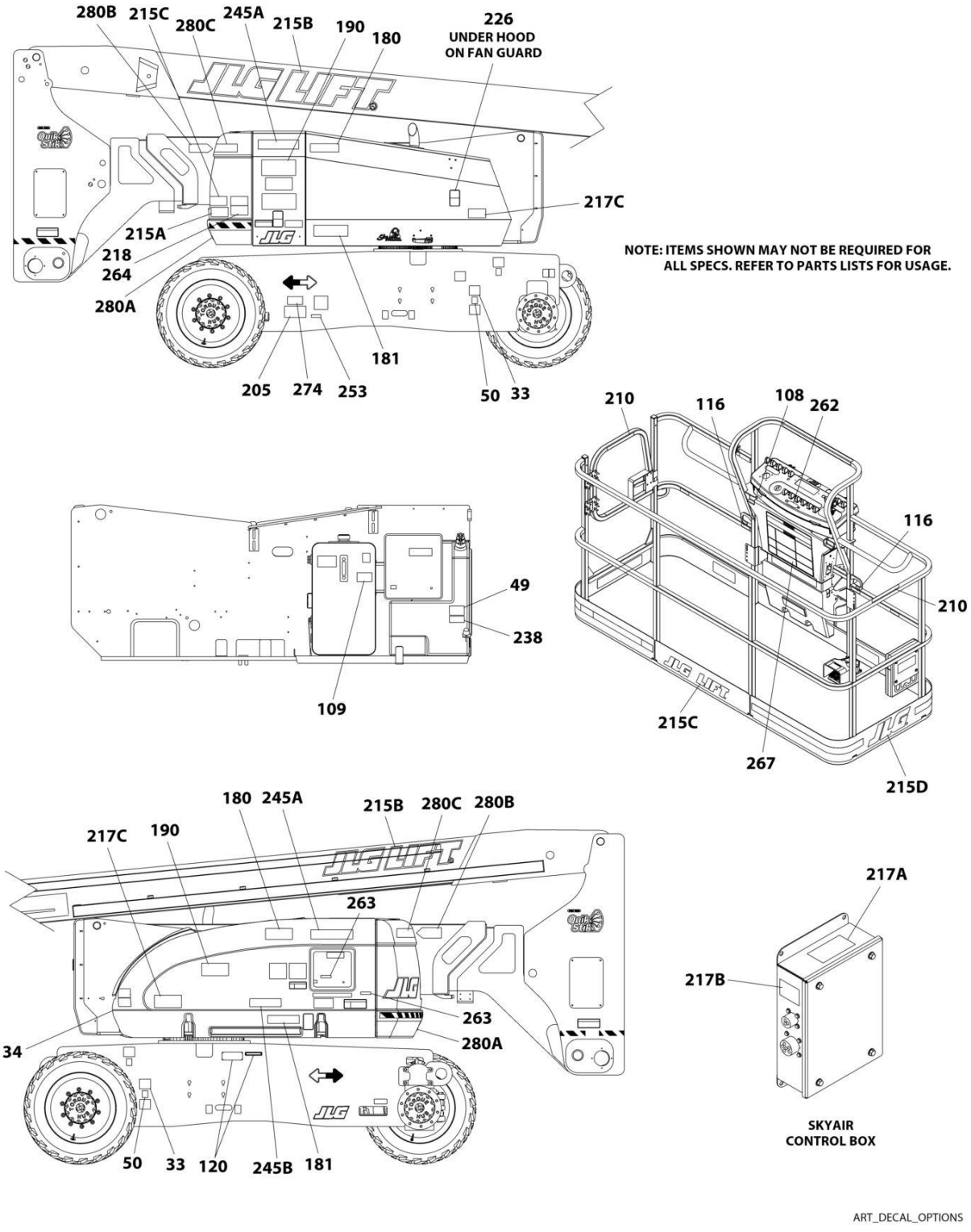


FIGURE 9-10. DECAL INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DECAL INSTALLATION - OPTIONS	
33	1700818	1	Decal - Fuel (LP Gas Machines) (English Language) (ANSI & Australian Specs)	
33	1704271	1	Decal - Fuel (LP Gas Machines) (English/French Languages) (CSA Specs)	
33	1702720	1	Decal - Fuel (LP Gas Machines) (English/Spansih Languages) (ANSI Export Specs)	
34	3251242	1	Nameplate - 240-50HZ (CE & UK CA Specs)	
49	1701505	1	Decal - Fuel (Diesel)	
49	1701542	1	Decal - Fuel (Gas)	
50	1701543	2	Decal - LP Gas (LP GASS Machines)	
108	1001231801	1	Decal - Warning Proposition 65 (ANSI Specs)	
109	1702788	1	Decal - Biodegradeable Hydraulic Fluid (English Language) (ANSI, Australian, CSA, CE & UK CA Specs)	
109	1703479	1	Decal - Biodegradeable Hydraulic Fluid (German Language) (CE & UK CA Specs)	
116	1703175	1	Decal - Lanyard Attachment (GM Specs)	
120	1001292423	Ref	Decal Installation - Eco Label	
120	1001236396	1	Decal - Plate (Note: Note available for Purchase, Stamping needed)	
120	1001292425	1	Decal - Eco Label (Note: Note available for Purchase, Stamping needed)	
180	0271584	Ref	Decal Installation - Jetblast	
180	1705006	2	Decal - Jetblast	
181	0271585	Ref	Decal Installation - Fall Arrest (Machines with Fall Arrest Option)	
181	1705012	2	Decal - Fall Arrest	
190	0272418	Ref	Decal - SkyGiazier (Machines with SkyGlazier Option)	
190	1705358	2	Decal - SkyGlazier	
205	See Note	1	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
210	1702868	2	Decal - No Hands (English Language)	
210	1705968	2	Decal - No Hands (English/Chinese Language)	
210	1704000	2	Decal - No Hands (English/French Language)	
210	1705969	2	Decal - No Hands (English/Korean Language)	
210	1705967	2	Decal - No Hands (English/Portuguese Language)	
210	1704001	2	Decal - No Hands (English/Spanish Language)	
215	0274519	Ref	Decal - Logo Installation (All Specs Except CE & UK CA Specs)	
215A	1704885	1	Decal - Website	
215B	1702861	2	Decal - JLG Lift	
215C	1702774	2	Decal - JLG Lift	
215D	1702773	1	Decal - JLG	
217	0273687	Ref	Decal - SkyAir (Machines with SkyAir Option)	
217A	1705836	1	Decal - Hazardous Voltage	
217B	1705837	1	Decal - Air Compressor	
217C	1705886	2	Decal - SkyAir	
218	3251813	1	Decal - USA	
226	1704972	1	Decal - Warning Explosion/ Fire (English Language) (Diesel Machines) (ANSI Specs)	
226	1706098	1	Decal - Warning Explosion/Fire (English Language) (Diesel Machines) (Australian, CE & UK CA Specs)	
226	1706059	1	Decal - Warning Explosion/Fire (English/Portuguese Language) (Diesel Machines) (Brazil Specs)	

SECTION 9 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
226	1706060	1	Decal - Warning Explosion/Fire (English/Chinese Language) (Diesel Machines) (Chinese Specs)	
226	1706064	1	Decal - Warning Explosion/Fire (English Language) (Diesel Machines) (CSA Specs)	
226	1706062	1	Decal - Warning Explosion/Fire (English/Japanes Language) (Diesel Machines) (Japanese Specs)	
226	1706061	1	Decal - Warning Explosion/Fire (English/Korean Language) (Diesel Machines) (Korean Specs)	
226	1706063	1	Decal - Warning Explosion/Fire - (English/Spanish Language) (Diesel Machines) (Latin American Specs)	
238	1001125387	1	Decal - Ultra Low Sulfur Fuel (Diesel Machines) (ANSI & CSA Specs)	
238	1001139654	1	Decal - Ultra Low Sulfur Fuel (Diesel Machines) (CE & UK CA Specs)	
245	1001127094	Ref	Decal Installation - ClearSky (Machiens with ClearSky Option)	
245A	1001116208	2	Decal - ClearSky	
245B	1001120989	1	Decal - Radio Frequency	
253	1001143852	1	Decal - Emission Compliance (Diesel Machines) (ANSI, Australian, China, CE & UK CA Specs)	
262	1001141300	1	Decal - SkyGuard Override (Machines without Soft Touch Option)	
262	1001141302	1	Decal - SkyGuard Override (Machines with Soft Touch Option)	
263	1001197408	1	Decal - MSSO (CE Specs)	
264	1705980	1	Decal - Sound Power (Machines with Deutz D2011 Engines) (Australian, CE & UK CA Specs)	
264	1705368	1	Decal - Sound Power (Machines with Deutz TD2.9L4 Engines, Deutz TD2.9L4 (Stage V Pre-Buy) Engines and Deutz TD2.9L4	
264	1001191525	1	Decal, Sound Power (CE) (Stage V)	
267	1001200124	1	Decal - Quick Start Guide (Danish Language)	
267	1001200121	1	Decal - Quick Start Guide (Dutch Language)	
267	1001180861	1	Decal - Quick Start Guide (English Language)	
267	1001200120	1	Decal - Quick Start Guide (French Language)	
267	1001200122	1	Decal - Quick Start Guide (German Language)	
267	1001200127	1	Decal - Quick Start Guide (Norwegian Language)	
267	1001200125	1	Decal - Quick Start Guide (Swedish Language)	
267	1001200126	1	Decal - Quick Start Guide (Spanish Language)	
274	1001214030	Ref	Decal Installation- EAC (Russian/CIS Specs)	
274	1001173703	1	Decal - EAC	
280	1001220864	Ref	Decal Kit - Boom Transport Position	
280A	1001220512	2	Decal - Lower Boom	
280B	1001220510	2	Decal - Warning Arrow	
280C	1001220511	2	Decal - Warning Stripe	

FIGURE 9-11. SKYCUTTER DECAL INSTALLATION

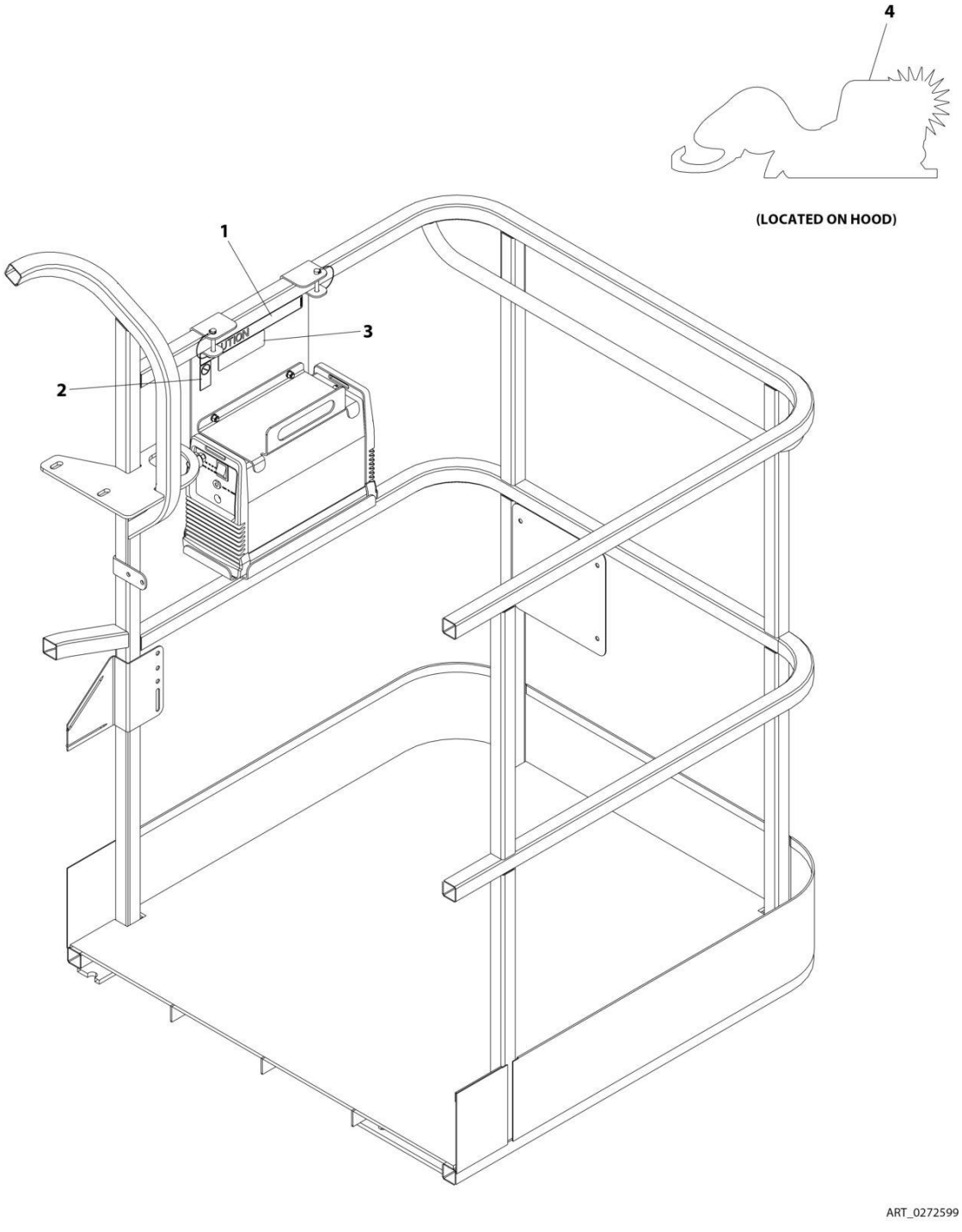


FIGURE 9-11. SKYCUTTER DECAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272599	Ref	SKYCUTTER DECAL INSTALLATION	C
1	1702868	1	Decal - No Hands	
2	1705305	1	Decal - Weld Leads	
3	1001252627	1	Decal - Weight	
4	1705490	2	Decal - SkyCutter	

FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 50HZ

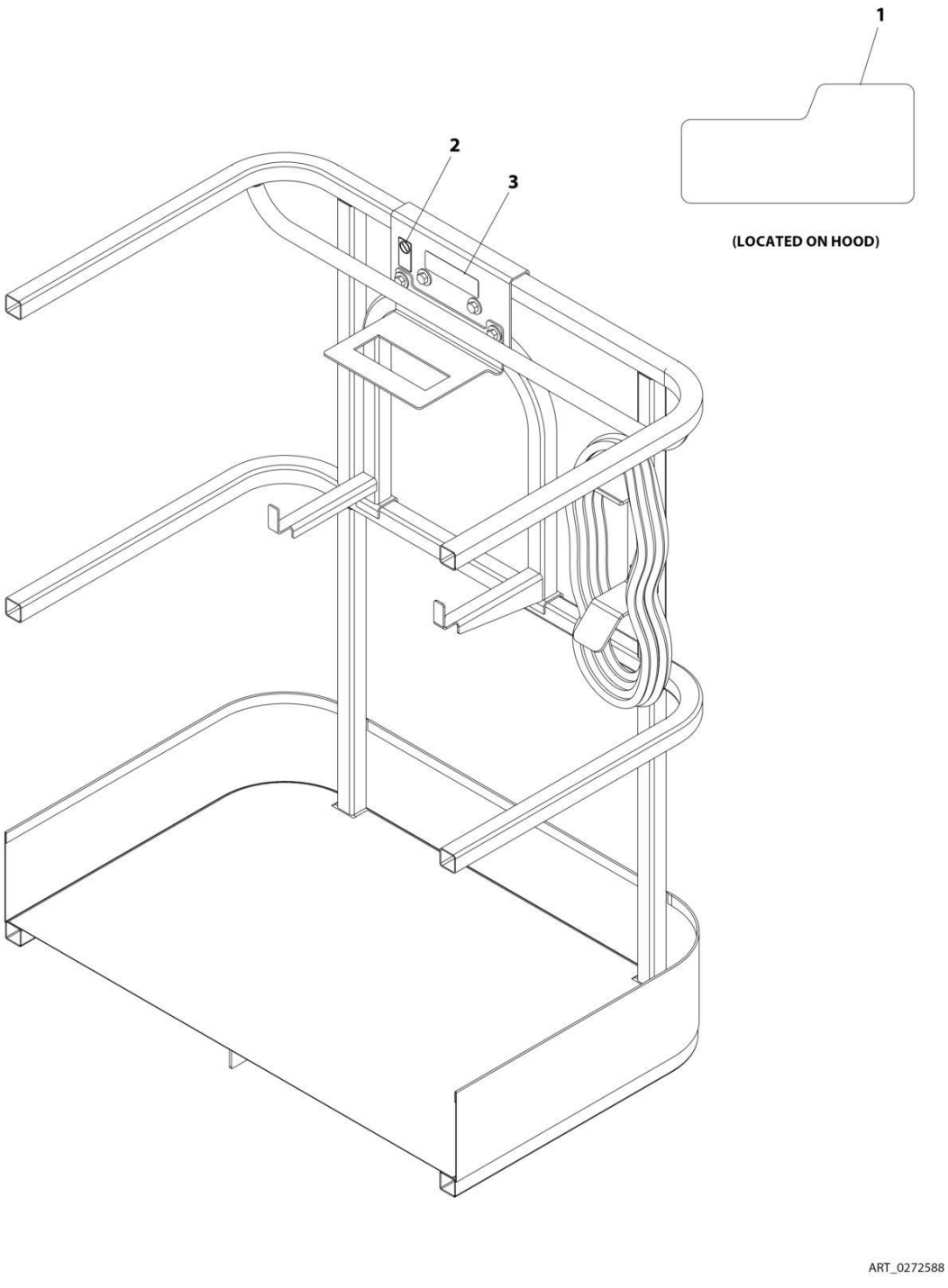


FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 50HZ

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

FIGURE 9-13. SKYWELDER DECAL INSTALLATION - 60HZ

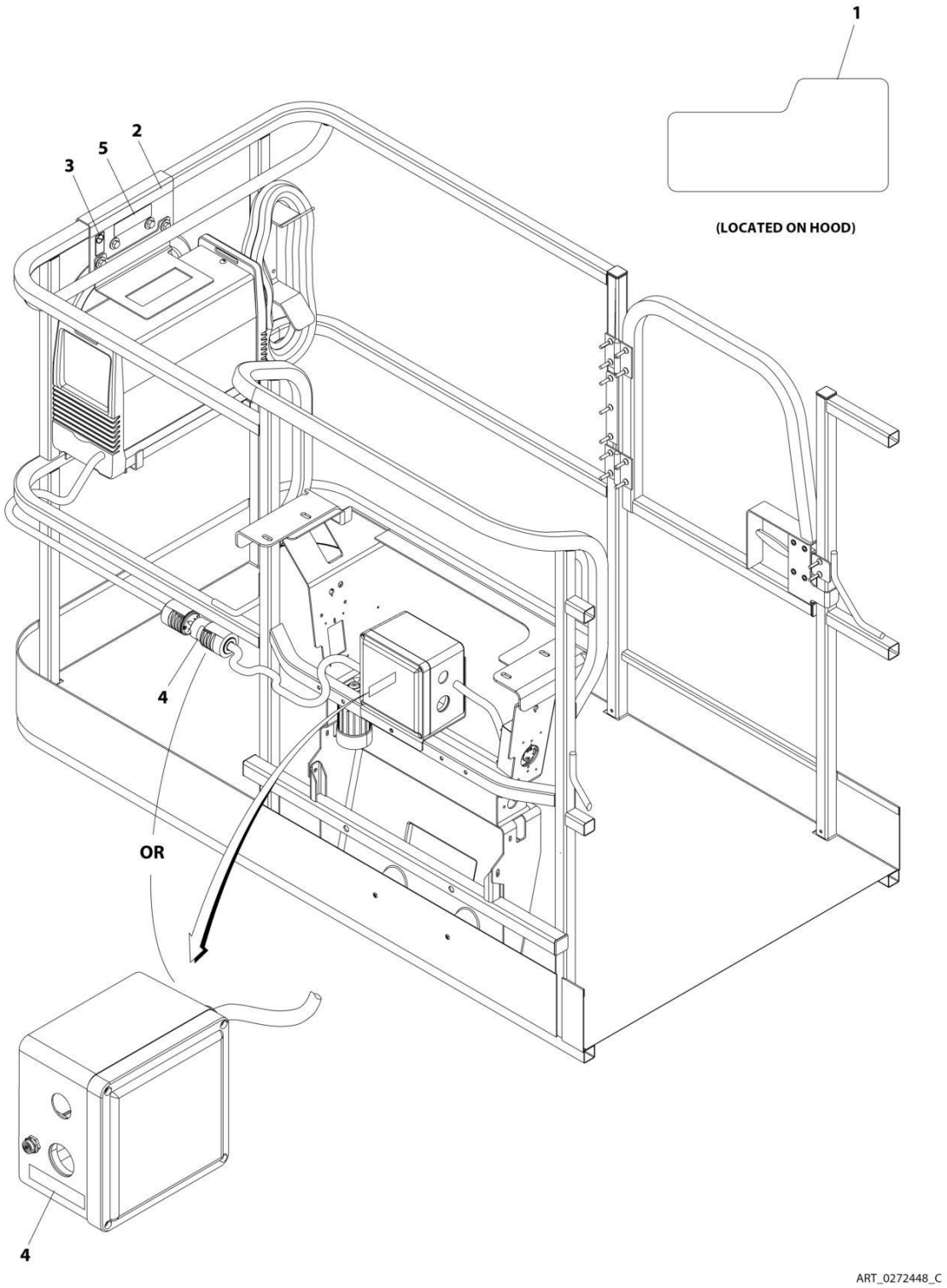


FIGURE 9-13. SKYWELDER DECAL INSTALLATION - 60HZ

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272448	Ref	SKYWELDER DECAL INSTALLATION - 60Hz	C
1	1705355	2	Decal - SkyWelder	
2	1702868	1	Decal - No Hands	
3	1705305	1	Decal - Weld Lead	
4	1705375	1	Decal - 240V - 3 Phase - 60Hz	
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
	Note	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.**	
	4360070	1	Breaker, Circuit 15Amp (4000W/60HZ & 7500W Generators)	
	4360542	1	Breaker, Circuit 20Amp (2500W/60HZ Generators)	
	7024485	1	Breaker, Circuit 30Amp (7500W Generators with Deutz D2011 or Ford Engines)	
	70006095	1	Breaker, Circuit 30Amp (7500W Generator with Deutz TD2.9L4 Engine and 7500W/60HZ Generator with Deutz D2011 Engine)	
	1001159118	1	Breaker GFCI 30Amp 240VAC (240V AC Box At Platform)	
	1001181045	1	Breaker, 30mA/16Amp (Breaker Box Kit)	
	70001431	1	Breaker, Circuit (Plasma Cutter)	
	70005708	1	Breather Assembly (Hydraulic Tank)	
	7018991	1	Coil (2WS and 4WS Control Valve Assembly)	
	70004460	1	Coil (2WS and 4WS Control Valve Assembly)	
	70004463	1	Coil (2WS and 4WS Control Valve Assembly)	
	70004595	1	Coil (2WS and 4WS Control Valve Assembly)	
	70004653	1	Coil (2WS and 4WS Control Valve Assembly)	
	70006956	1	Coil (2WS and 4WS Control Valve Assembly)	
	70004673	1	Coil (4WS Control Valve Assembly)	
	70002386	1	Coil (Boom and Control Valve Assemblies)	
	7012944	1	Coil (Control Valves Installation)	
	4360476	1	Contactor (Ground Control Boxes and Platform Console Boxes)	
	7020176	1	Contactor (Ground Control Boxes and Platform Console Boxes)	
	1001129555	1	Controller Assembly (Lift and Swing) (Platform Console Box)	
	1001212415	1	Controller Assembly (Drive and Steer) (Platform Console Box)	
	1001117174	1	Controller, Footswitch	
	4360407	1	Controller, Speed (Platform Console Box)	
	3990010	2	Diode, 6 Amp (Ground Control Box Harness)	
		Ref	Engine - Deutz D2011	
	70004020	12	Filter, Air	
	7016328	12	Filter, Fuel	
	7016331	12	Filter, Oil	
	7027795	1	Module, Control	
	3740067	1	Relay	
	3740080	1	Relay	
	70004058	1	Relay	
		Ref	Engine - Deutz TD2.9L4	
	91403102	12	Filter, Air	
	70025153	12	Filter, Fuel (Frame Mounted Filter)	
	70025161	12	Filter, Fuel (Engine Mounted Filter)	
	7016331	12	Filter, Oil	
	1001196634	2	Fuse, 2Amp (Breather Heater Harness)	
	8229242	2	Fuse, 5Amp	
	80983191	2	Fuse, 10Amp	
	70023592	2	Fuse, 20Amp	
	70023593	2	Fuse, 30Amp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70025210	1	Module, ECU	
	3740067	1	Relay	
	70005648	1	Relay	
	1001117308	1	Relay	
		Ref	Engine - Deutz TD2.9L4 (China III)	
	91403102	12	Filter, Air	
	1001225430	12	Filter, Fuel (Frame Mounted Filter)	
	1001225432	12	Filter, Fuel (Engine Mounted Filter)	
	7016331	12	Filter, Oil	
	70025210	1	Module, ECU	
	3740067	1	Relay	
	70005648	1	Relay	
	1001117308	1	Relay	
		Ref	Engine - Deutz TD2.9L4 (Stage V)	
	91403102	12	Filter, Air	
	70025153	12	Filter, Fuel (Frame Mounted Filter)	
	70025161	12	Filter, Fuel (Engine Mounted Filter)	
	7016331	12	Filter, Oil	
	1001196634	2	Fuse, 2Amp (Breather Heater Harness)	
	8229242	2	Fuse, 5Amp	
	80983191	2	Fuse, 10Amp	
	70023592	2	Fuse, 20Amp	
	70023593	2	Fuse, 30Amp	
	70025210	1	Module, ECU	
	3740067	1	Relay	
	70005648	1	Relay	
	1001117308	1	Relay	
		Ref	Engine - Ford	
	70005008	12	Filter, Primary Air	
	70006460	12	Filter, Secondary Air	
	70006155	12	Filter, Fuel	
	70006213	12	Filter, Oil	
	70006175	2	Fuse, 20Amp	
	70006176	1	Module, Engine Control Unit	
	3740067	1	Relay	
	70006171	1	Relay	
	70006172	1	Relay	
	2120210	12	Element, Filter (Control Valves Installation)	
	8229249	2	Fuse, 3Amp (USB Charger & Platform Console Box Harness)	
	8229242	2	Fuse, 5Amp (Control Box Harness)	
	2400064	2	Fuse, 5Amp (Generator to Engine Harness)	
	2860030	1	Key, Replacement (Ground Control Boxes)	
	2940074	1	Latch (Platform Assemblies with Gates)	
	1001103667	1	Module, Ground Control	
	1001106938	1	Module, Platform	
	1001142683	1	Module, Control (Strobe Light Installations)	
	3740049	1	Relay (Ground Control Boxes)	
	3740080	1	Relay (2500W Generators and 7500W Generator with Ford Engine)	
	3740086	1	Relay (SkyLine Harness)	
	70006553	1	Relay (4000W Generators)	
	1001186431	1	Relay (SkyGuard)	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001094400	1	Sensor, Dual Axis (Upright Tilt Sensor Installation)	
	1001228225	1	Sensor, Emitter (SkyEye)	
	4360436	1	Sensor, Fuel Level (Tank Installations)	
	4360578	1	Sensor, Limit (Boom Valves and Proximity Switches Installation and Transport Position Switch)	
	4360057	1	Sensor, Limit (Soft Touch Installation)	
	7026638	1	Sensor, Pressure (Air Compressor)	
	4360498	1	Sensor, Proximity (Boom Valves and Proximity Switches Installation)	
	4360499	1	Sensor, Proximity (Boom Valves and Proximity Switches Installation)	
	4360517	1	Sensor, Proximity (Rotary Coupling)	
	1001232667	1	Sensor, Proximity (SkyLine)	
	1001228224	1	Sensor, Receiver (SkyEye)	
	1001172271	1	Sensor, Roller Limit (Boom Valves and Proximity Switches Installation with Tower Stow)	
	1001225346	1	Switch, Battery (Battery Disconnect Installation)	
	4360475	1	Switch, Emergency Stop (Ground Control and Platform Conosole Boxes)	
	4360469	1	Switch, Key (Ground Control Boxes)	
	4360387	1	Switch, Push Button (CE & UK CA Ground Control Boxes, Platform Console Boxes, and Soft Touch)	
	4360274	1	Switch, Push Button (Ground Control Boxes with Deutz Stage V Engine)	
	70001432	1	Switch, Rocker (Plasma Cutter)	
	4360336	1	Switch, Toggle (Generator Installations)	
	1001155045	1	Switch, Toggle (Ground Control and Platform Console Boxes)	
	4360328	1	Switch, Toggle (Jib Switch Installation)	
	4360331	1	Switch, Toggle (Platform Console Boxes)	
	1001159256	1	Switch, Toggle (Platform Console Boxes)	
	7024469	1	Switch with Lead (Welder Assembly)	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

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/ACCESSORES/KITS	
	1001229762	Ref	Air Intake Shut-off Valve (Deutz TD2.9L4 Engines) (Factory Installed)	
	0258805	Ref	Airline to Platform Installation - 1/2in (800AJ)	
	1001092092	Ref	Airline to Platform Installation - 1/2in (With Arctic Package) (800AJ)	
	1001249695	Ref	Analyzer and Cable Kit	
	1001205028	Ref	Arctic Package Field Add-on Kit - Deutz TD2.9L4 With SkyPower (Dealer Installed)	
	1001205029	Ref	Arctic Package Field Add-on Kit - Deutz TD2.9L4 Without SkyPower (Dealer Installed)	
	1001249941	Ref	Battery Powered Analyzer Installation Kit	
	0258737	Ref	Bellows Installation - Boom (800AJ)	
	1001158259	Ref	Bellows Installation - Chassis	
	1001158260	Ref	Bellows Installation - Chassis	
	2910887	Ref	Boom Wear Pad Kit	
	0258654	Ref	Boom Wipers Installation	
	1001233047	Ref	Breather Heater Kit (Deutz TD2.9L4 Engines)	
	1001172045	Ref	Cable/Ladder Carrier Installation	
	1001233472	Ref	Cable/Hose Protection Installation (Boom/Jib)	
		Ref	ClearSky Telematics Kits (Dealer Installed)	
	1001242409	Ref	ClearSky Telematics Access Control Add-on Kit	
	1001243183	Ref	ClearSky Telematics Access Control Add-on Kit - Canbus (ANSI & CSA Specs)	
	1001243184	Ref	ClearSky Telematics Access Control Add-on Kit - Canbus (ANSI Export, CE & UK CA Specs)	
	1001246142	Ref	ClearSky Telematics Add-On Kit (Australian Specs)	
	1001119939	Ref	ClearSky Telematics Add-On Kit (ANSI Spec)	
	1001119947	Ref	ClearSky Telematics Add-On Kit (CSA Spec)	
	1001276923	Ref	ClearSky (Telematics) Add-on Kit (Contact JLG for Approved Countries)	
	1001289850	Ref	ClearSky Telematics CS550 Installation	
	1001178208	Ref	Cold Weather Package Installation - Deutz D2011 Engines	
	1001178207	Ref	Cold Weather Package Installation - Deutz TD2.9L4 Engines, Deutz TD2.9L4 (Stage V Pre-Buy) Engines and Deutz TD2.9L4 (Stage V) Engines	
	1001255807	Ref	Cold Weather Package Installation – Deutz TD2.9L4 (Stage V)	
	1001282099	Ref	Cold Weather Package Installation – Deutz TD2.9L4 (China IV Engines))	
	1001219840	Ref	Cold Weather Package Installation - Ford Engines	
	0274883	Ref	Cold Weather Transformer Installation (ANSI Export, Australian, CE & UK CA, and Japanese Specs Only)	
	1001109263	Ref	Communication System (David Clark) Installation (ANSI Spec Only) (800AJ)	
	1001115918	Ref	Cribbing Installation	
	0257195	Ref	Decal - Government Warranty	
		Ref	Decals Kits:	
	1001270517	Ref	Machine - ANSI 9220	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108721	Ref	Platform	
	1001272200	Ref	Platform - ANSI 9220	
	1001119563	Ref	Platform Console	
	1001272088	Ref	Platform Console - ANSI 9220	
	2902396	Ref	Drive/Steer Cutout Kit	
	1001253619	Ref	Electrical Assembly Module Box 12 Kit	
	1001253618	Ref	Electrical Assembly Module Box 4/8 Kit	
	1001148902	Ref	Electrical Connector Kits - Amp	
	1001148903	Ref	Electrical Connector Kits - Deutsch DT	
	1001148904	Ref	Electrical Connector Kits - Deutsch HD	
	1001148905	Ref	Electrical Connector Kits - Packard	
	1001148906	Ref	Electrical Connector Kits - Various	
	1001218022	Ref	Engine Block Heater Installation - Ford Engines	
	1001108962	Ref	Exhaust Rain Cap Installation (Australian, CE & UK CA Specs)	
	1001269630	Ref	Fall Arrest (Bolt-On) Add-On Kit (30inch x 4 Ft/1.22m Platform)	
	1001269629	Ref	Fall Arrest (Bolt-On) Add-On Kit (30inch x 5 Ft/1.52m Platform)	
	1001269631	Ref	Fall Arrest (Bolt-On) Add-On Kit (30inch x 6 Ft/1.82m Platform)	
	1001237883	Ref	Fall Arrest (Bolt-On) Add-On Kit (6 Ft/1.82m Platform) (ANSI, ANSI Export, China, CSA & Japanese Specs)	
	1001237882	Ref	Fall Arrest (Bolt-On) Add-On Kit (8 Ft/2.4m Platform) (ANSI, ANSI Export, China, CSA & Japanese Specs)	
		Ref	Fan Cover/Grille Options	
	1001182599	Ref	Fan Cover Installation (Deutz D2011 Engines)	
	1001177694	Ref	Fan Grille Installation (Deutz TD2.9L4 Engines, Deutz TD2.9L4 (Stage V Pre-Buy) Engines) and Deutz TD2.9L4 (Stage V) Engines (Modine Radiator)	
		Ref	Filter Kits:	
		Ref	Combined Filter Kit Options (Hydraulic/Air and Fuel/Engine Oil)	
	1001241774	Ref	Deutz D2011 Engine Machines	
	1001195533	Ref	Deutz TD2.9L4 Engine Machines	
	1001241776	Ref	Ford Engine Machines	
	1001139099	Ref	Fire Extinguisher Installation (20lb)	
	1001274833	Ref	Floor Mat Add-on Kit (30x48 Platform) (Dealer Installed)	
	1001274831	Ref	Floor Mat Add-on Kit (30x72 Platform) (Dealer Installed)	
	1001274830	Ref	Floor Mat Add-on Kit (36x72 Platform) (Dealer Installed)	
	1001274829	Ref	Floor Mat Add-on Kit (36x96 Platform) (Dealer Installed)	
	1001117294	Ref	Footswitch Shield (Note: Move Decal to Shield)	
	1001202749	Ref	Fuel Cap Cover Installation (Black) (Note: Lock p/n 1001102157 must be Purchased Separately)	
	1001191395	Ref	Fuel Cap Cover Installation (Green) (Diesel Machines) (Note: Lock p/n 1001102157 must be Purchased Separately)	
	1001205441	Ref	Fuel Cap Cover Installation (Red) (Gas Machines) (Note: Lock p/n 1001102157 must be Purchased Separately)	
	1001094475	Ref	Generator Hourmeter Installation	
	1001293369	Ref	Hood Plug Installation	
	1001241413	Ref	Hostile Environment - 2WD Add-on Kit	
	1001241415	Ref	Hostile Environment - 4WD Add-on Kit	
	1001183226	Ref	Hose Kit - Boom (Lower)	
	1001183225	Ref	Hose Kit - Boom (Upper)	
	1001209632	Ref	Hose Kit - Platform Valve	
	1001268736	Ref	Jib Link Kit	
	1001148971	Ref	Lanyard (Bolt-On) Kit Installation	
	1001236211	Ref	Leveling Cylinder Valve Cover Assembly Kit	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Light Options	
	0271768	Ref	Headlights & Taillights Installation (ARS Hoods)	
	1001164786	Ref	Headlights & Taillights Installation (Steel Hoods)	
	0273485	Ref	Platform Worklights Installation	
	1001257561	Ref	Portable Worklights Installation	
	1001286022	Ref	Limit Switch Replacement Kit (Roller Switch	
	1001236951	Ref	Low Temperature Cutout Installation (Russian Specs)	
		Ref	Oil Cooler Options:	
	1001156172	Ref	Oil Cooler Installation - Deutz D2011 Engine Machines	
	1001184569	Ref	Oil Cooler Installation - Deutz TD2.9L4 Engine, Deutz TD2.9L4 (Stage V Pre-Buy) Engine and Deutz TD2.9L4 (Stage V) Engine Machines	
	1001219633	Ref	Oil Cooler Installation - Ford Engine Machines	
	1001200700	Ref	Oil Cooler Replacement Kit (RCP to YMER)	
	1001272166	Ref	Pipe Rack Kit	
	1001195304	Ref	Platform Console Cover Installation (Factory Installed)	
	1001270482	Ref	Platform Console Enclosure Cover Installation - Steel (Dealer Installed)	
	1001266290	Ref	Platform Console Enclosure Cover Installation - Steel (Factory Installed)	
	2915228	Ref	Platform Conversion Kit (Front to Side Entry)	
	1001142504	Ref	Platform Entry Kit - Drop Bar (Replaces Swing Gate with Drop Bar)	
	1001142505	Ref	Platform Entry Kit - Swing Gate (Replaces Drop Bar with Swing Gate)	
		Ref	**Platform Mesh to Mid Rail Installations (Factory Installed):**	
	1001266098	Ref	Platform Mesh to Mid Rail Installation - 3ft x 8ft Platforms (Plastic) (ANSI/ANSI Export, CSA, Australia, and China Specs)	
	1001269389	Ref	Platform Mesh to Mid Rail Installation - 3ft x 8ft Platforms (Steel) (ANSI/ANSI Export, CSA, Australia, and China Specs)	
		Ref	**Platform Mesh to Mid Rail Add-on Kits (Dealer Installed):**	
	1001281457	Ref	Platform Mesh to Mid Rail Add-on Kit - 3ft x 8ft Platforms (Dealer Installed) (ANSI/ANSI Export, CSA, and China Specs)	
		Ref	**Platform Mesh to Top Rail Installations (Factory Installed):**	
	1001266807	Ref	Platform Mesh to Top Rail Installation - 2.5ft x 4ft Platforms (Plastic) (ANSI/ANSI Export, CSA, and China Specs)	
	1001272182	Ref	Platform Mesh to Top Rail Installation - 2.5ft x 4ft Platforms (Steel) (ANSI/ANSI Export, CSA, and China Specs)	
	1001266489	Ref	Platform Mesh to Top Rail Installation - 3ft x 6ft Platforms (Plastic) (ANSI/ANSI Export, CSA, and China Specs)	
	1001271642	Ref	Platform Mesh to Top Rail Installation - 3ft x 6ft Platforms (Steel) (ANSI/ANSI Export, CSA, and China Specs)	
	1001266056	Ref	Platform Mesh to Top Rail Installation - 3ft x 8ft Platforms (Plastic) (ANSI/ANSI Export, CSA, and China Specs)	
	1001269187	Ref	Platform Mesh to Top Rail Installation - 3ft x 8ft Platforms (Steel) (ANSI/ANSI Export, CSA, and China Specs)	
		Ref	Platform Mesh to Top Rail Add-on Kits (Dealer Installaed):	
	1001281456	Ref	Platform Mesh to Top Rail Add-on Kit - 30in x 6ft Platforms (Dealer Installed) (ANSI/ANSI Export, CSA, and China Specs)	
	1001281453	Ref	Platform Mesh to Top Rail Add-on Kit - 3ft x 6ft Platforms (Dealer Installed) (ANSI/ANSI Export, CSA, and China Specs)	
	1001281452	Ref	Platform Mesh to Top Rail Add-on Kit - 3ft x 8ft Platforms (Dealer Installed) (ANSI/ANSI Export, CSA, and China Specs)	
	0272733	Ref	Platform, Top Rail Extension Installation - 3ft x 6ft Platforms	
	0272725	Ref	Platform, Top Rail Extension Installation - 3ft x 8ft Platforms	
	1580013	Ref	Platform Storage Tray	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209059	Ref	Platform Work Surface Installation	
	1001162546	Ref	Pump Coupling Replacement Kit	
	1001139944	Ref	Pump Mounting Bracket Kit (Sauer Danfoss)	
	1001199488	Ref	Radiator Replacement Kit (RCP to Modine Radiator)	
	1001190888	Ref	Service Kits	T
	1001241547	Ref	SkyEye Housing Kit (Left Side)	
	1001241548	Ref	SkyEye Housing Kit (Right Side)	
	1001247073	Ref	SkyEye Retrofit Kit	
	1001206477	Ref	SkyGuard Complete Add-On Kit (Blue Beacon) (UGM Machines) (Note: Requires 7500W SkyPower Generator)	
	1001210026	Ref	SkyGuard Complete Add-On Kit (Red Beacon) (UGM Machines) (Note: Requires 7500W SkyPower Generator)	
	1001137672	Ref	SkyGuard Platform Sensor Kit (UGM Machines)	
	1001137440	1	SkyGuard Sensor Harness	
	1001186431	2	Relay	
	1001250035	Ref	SkyGuard Platform Sensor Retrofit Kit	
	1001206311	Ref	SkyGuard Strobe Light Kit - Hood Mounted (Blue Beacon)	
	1001210025	Ref	SkyGuard Strobe Light Kit - Hood Mounted (Red Beacon)	
	1001250595	Ref	SkyGuard 6-Pin Retrofit Installation Kit	
	1001249052	Ref	SkyGuard Retrofit Kit (Dealer Installed)	
	1001262016	Ref	SkyLine Add on Kit (Dealer Installed)	
	1001252033	Ref	SkySense/Enhanced Detection System (EDS) Level 1 (2-Bar) Add on Kit (Dealer Installed)	
	1001252034	Ref	SkySense/Enhanced Detection System (EDS) Level 2 (3-Bar) Add on Kit (Dealer Installed)	
	1001250465	Ref	SkySense/Enhanced Detection System (EDS) Level 1 (2-Bar) Installation (Factory Installed)	
	1001250466	Ref	SkySense/Enhanced Detection System (EDS) Level 2 (3-Bar) Installation (Factory Installed)	
	1001282461	Ref	SkySense Padding Installation - For 30 x 48 Platforms equiped with SkySense	
	1001275643	Ref	SkySense Padding Installation - For 30 x 72 Platforms equiped with SkySense	
	1001275642	Ref	SkySense Padding Installation - For 36 x 72 Platforms equiped with SkySense	
	1001269655	Ref	SkySense Padding Installation - For 36 x 96 Platforms equiped with SkySense	
	1001231235	Ref	SkyWelder Locking Bracket Installation	
	1001157013	Ref	Softtouch Counterweight Installation (Required with Soft Touch Option)	
	1001152965	Ref	Strobe Light Installation - Platform Mounted (Amber)	
		Ref	Tools for Service	
	70000017	1	ADE Software CD	
	1600244	1	Analyzer, Machine System	
	7002840	1	Antirotation Pin Removal Tool	
	4460510	1	Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460467	1	Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016652	1	Huck Bolt Fastener (For Small Huck Bolts Only)	
	7002823	1	Pin/Socket Extractor - Universal (To Remove Pins/Sockets from Connectors)	
	7016654	1	Screwdriver, Magnetic	
	7002822	1	Screwdriver, Potentiometer (To Adjust Drive Controllers)	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7004275	1	Seal Installation Tool - 1in	
	7004276	1	Seal Installation Tool - 1-1/2in	
	7002826	1	Seal Installation Tool - 2in	
	1001137005	1	Software Cable Kit	
	70005663	1	Tool, Port Plate for Pump p/n 1001142522	
	7002821	1	Wire Crimper (To install wire ends to wires)	
	7016655	1	Wire Rope Sheave Gauge	
	8896941	1	Wire Stripper	
	1001258953	Ref	Tower Stow Switch Installation Kit	
	2915094	Ref	Turntable Bearing Kit	
	1001277840	Ref	UGM1 TO UGM2 RETROFIT ADE1 Kit	
	1001277848	Ref	GM TO UGM2 RETROFIT ADE1 Kit	
	1001274249	Ref	USB Charger Add-on Kit (Dealer Installed)	
	1001262959	Ref	Voltage Regulator Clearsky Locate Kit	
	0256196	Ref	Wheel Covers Installation	
	1001228544	Ref	Wheel Drive Kit (Replaces Hub 2780272)	

PART NUMBER INDEX

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

0100009....139, 143, 151, 155, 163, 171, 179, 183, 191, 195, 203, 211, 219, 223, 231, 235, 627, 631
0100011....19, 21, 23, 25, 27, 29, 31, 33, 35, 53, 55, 57, 59, 65, 67, 83, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 133, 135, 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 245, 263, 265, 271, 275, 279, 280, 284, 285, 288, 289, 292, 293, 303, 305, 309, 311, 314, 318, 325, 329, 333, 337, 341, 345, 349, 351, 353, 355, 357, 359, 362, 368, 374, 380, 386, 392, 399, 419, 423, 425, 432, 436, 439, 441, 444, 450, 455, 461, 463, 489, 491, 501, 503, 507, 511, 513, 517, 521, 525, 529, 533, 537, 541, 545, 553, 555, 557, 559, 561, 563, 567, 569, 571, 573, 575, 581, 583, 585, 587, 593, 597, 603, 605, 607, 609, 615, 617, 619, 671, 673, 675, 677, 680, 685, 687, 689, 691, 693, 833, 835, 837, 839, 841, 843, 845, 847, 849
0100019 77, 83, 263, 265, 503, 513, 517, 521, 525, 529, 533, 538, 541, 545
0100020....51, 91, 93, 95, 97, 99, 101, 115, 117, 119, 121, 123, 125, 263, 265, 268, 303, 305, 325, 329, 333, 337, 341, 345, 362, 363, 368, 369, 374, 380, 386, 392, 399, 432, 436, 444, 450, 522, 538, 641, 659, 680, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823
0100035....251, 255, 421, 587, 627, 631
0100038.....561, 583, 585
0100048... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 245, 247, 249, 432, 436, 507, 517, 525, 533, 541, 589
0100062... 115, 117, 119, 121, 123, 125, 314, 318, 362, 368, 374, 380, 386, 392, 399, 446, 452, 530, 538
0100079.... 485, 525, 541
0100081... 284, 288, 292, 581, 665, 667, 669
0140011..... 627, 631
0140044..... 245
0181949..... 51
0200048... 687, 689, 691, 693
0200742..... 501, 511
0232121..... 57, 59, 61
0256196..... 1010
0256202..... 799
0257195..... 1006
0258077..... 581
0258217..... 569
0258567..... 587
0258654..... 1006
0258728..... 497
0258737..... 1006
0258805..... 1006
0258945..... 647
0259420..... 583, 585
0270888..... 45
0271090..... 45
0271091..... 45
0271340..... 643
0271584..... 991
0271585..... 991
0271768..... 1008
0272254..... 677
0272259..... 793
0272260..... 795
0272418... 665, 667, 669, 991
0272427..... 691
0272433..... 801
0272435.... 538, 542, 546
0272448..... 999
0272521..... 675
0272588..... 997
0272589..... 530, 534
0272599..... 995
0272725..... 1008
0272733..... 1008
0272948..... 667
0272951..... 669
0273353..... 680
0273485..... 1008
0273687..... 991
0273706..... 693
0273824..... 687
0274031..... 263
0274519..... 991
0274883..... 1006
0275216..... 803, 941
0275217..... 807, 943
0275452..... 811, 945
0275453..... 815, 947
0275454..... 819, 949
0275733..... 589
0360406..... 61
0362770.... 271, 275, 279
0400075..... 133, 135
0440244..... 83
0480121..... 501, 511
0480126..... 513, 529
0480129..... 521, 538
0561185..... 561
0561295..... 557, 559
0630407... 362, 368, 374, 380, 386, 392, 399
0630427..... 569, 571
0630462... 687, 689, 691, 693
0630467..... 573, 575
0630485.... 284, 288, 292
0630518... 243, 645, 659, 675, 677, 680, 685
0630534..... 707
0630535..... 717
0630548... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
0630568..... 627, 632
0641403..... 587
0641404... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 511, 513, 517, 521, 525, 529, 533, 537, 541, 553, 555, 673
0641405... 245, 263, 265, 545, 627, 631, 673
0641406... 247, 249, 267, 271, 275, 279, 295, 297, 325, 329, 333, 337, 341, 345, 349, 351, 353, 355, 357, 359, 362, 368, 374, 380, 386, 392, 399, 432, 436, 493, 495, 513, 517, 623, 625, 695, 861, 863
0641407... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 247, 309, 311, 314, 318, 439, 441, 493
0641408....284, 288, 292, 433, 437, 589, 623, 625
0641409.....263, 303, 306
0641410.....53, 263, 265, 303, 305, 314, 318
0641412....325, 329, 333, 337, 341, 345
0641414 65, 67, 627, 631, 671, 687, 689, 691, 693
0641416....803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823
0641418 65, 67, 573, 575, 593, 597, 603, 605, 607, 609, 615, 617, 619
0641420.....432, 436
0641506....139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 267, 272, 276, 279
0641507.....573, 575
0641508 57, 59, 115, 117, 119, 121, 123, 125, 271, 275, 279, 284, 288, 292, 303, 305, 325, 330, 333, 337, 341, 345, 432, 436, 501, 503, 507, 511
0641510.....314, 318
0641511.....571
0641512.....314, 318
0641516....521, 525, 529, 533, 537, 541, 545
0641518....362, 368, 374, 380, 386, 392, 399
0641542.....31
0641560.....33, 35
0641604....553, 555, 569, 571
0641605....362, 368, 374, 380, 386, 392, 399, 583, 585
0641606....53, 55, 65, 67, 265, 272, 276, 280, 314, 318, 553, 555, 557, 559, 563, 581, 583, 585, 675, 677, 680, 685
0641607....25, 27, 29, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 284, 288, 292, 432, 436, 503, 553, 555, 557, 559, 561, 563, 581
0641608....271, 272, 275, 276, 279, 280, 285, 289, 292, 295, 297, 299, 362, 368, 374, 380, 386, 392, 399,

487, 553, 555, 557, 559, 561, 563
0641609 ... 265, 271, 275, 279, 284, 288, 292, 314, 318, 362, 368, 374, 380, 386, 392, 399, 489, 491, 497, 557, 559, 561
0641610 ... 255, 257, 259, 261, 267, 303, 305, 314, 318, 325, 329, 333, 337, 341, 345, 419, 421, 423, 425, 432, 436, 485, 501, 511, 561, 623, 625
0641611 87, 89, 325, 329, 333, 337, 341, 345, 553, 555, 563
0641612 ... 362, 368, 374, 380, 386, 392, 399, 432, 436, 557, 559, 833, 835, 837, 839, 841, 843, 845, 847, 849
0641614 ... 65, 67, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125
0641615 561
0641616 ... 267, 513, 517, 522, 525, 534, 542, 561
0641617 51
0641618 .... 530, 538, 563
0641622 ..... 583, 585
0641624 .... 581, 583, 585
0641640 581
0641708 ... 362, 368, 374, 380, 386, 392, 399
0641772 ... 501, 503, 507, 511
0641806 .... 374, 561, 717
0641808 ... 303, 305, 325, 329, 333, 337, 341, 345, 349, 351, 353, 355, 357, 359, 432, 436, 439, 441, 513, 517, 521, 525, 529, 533, 537, 541
0641810 . 25, 27, 29, 263, 265
0641812 87, 89, 309, 311, 349, 351, 353, 355, 357, 359, 439, 441, 503
0641818 ..... 19, 115, 117, 119, 121, 123, 125, 491, 497, 499
0641820 87, 89, 314, 318, 489
0641840 ..... 553, 555
0642010 ... 303, 305, 432, 436
0642012 ... 325, 329, 333, 337, 341, 345, 665, 667, 669
0642038 61
0642212 . 19, 21, 23, 665, 667, 669
0642214 ..... 553, 555
0642620 ..... 553, 555
0651406 ..... 65, 67
0681608 . 19, 21, 23, 303, 305, 325, 329, 333, 337, 341, 345, 364, 370, 382, 386, 392, 399, 567
0681620 ... 649, 651, 653, 655, 657
0681814 ..... 611, 621
0681820 ... 362, 368, 374, 380, 386, 392, 399
0681822 . 31, 33, 35, 364, 370, 374, 380, 386, 392, 399, 611, 621
0682016 ..... 31, 33, 35
0682023 83
0682032 83
0682216 77
0682236 ..... 21, 23
0682424 ... 649, 651, 653, 655, 657
0700408 ... 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823
0700615 ... 255, 257, 259, 261
0700618 .... 285, 289, 293
0700626 563
0700808 ..... 314, 318
0700810 ..... 444, 450
0700812 ..... 444, 450
0700814 ... 364, 370, 374, 444, 450
0700816 463
0700818 463
0701014 463
0701022 ... 382, 386, 392, 399
0701025 ... 380, 386, 392, 399
0701026 455
0710827 463
0711014 ..... 446, 452
0711020 ..... 444, 450
0711215 374
0711216 463
0711223 ..... 446, 452
0711414 ..... 489, 491
0720804 51
0721005 ..... 691, 693
0721006 ... 271, 275, 279, 419, 421, 423, 425, 501, 503, 511
0721008 .... 272, 276, 280
0731005 93, 97, 101, 105, 109, 113, 117, 121, 125, 687, 689
0741605 ... 362, 368, 374, 380, 386, 392, 399
0741607 ... 513, 517, 522, 525, 533, 541, 545, 553, 555
0741609 27
0760605 ... 362, 368, 374, 380, 386, 392, 399, 461
0760606 546
0760608 ..... 444, 450
0760610 .... 444, 450, 463, 507, 545
0760612 .... 140, 144, 148, 152, 156, 160, 164, 168, 172, 176, 180, 184, 188, 192, 196, 200, 204, 208, 212, 216, 220, 224, 228, 232, 236, 240, 444, 450
0760615 463
0760807 461
0760810 .... 362, 368, 374, 380, 386, 392, 399, 432, 436, 444, 450, 567
0760812 ..... 444, 450, 831
0760814 .... 380, 386, 392, 399, 444, 450
0760815 .... 380, 386, 392, 399, 444, 450
0760817 463
0761008 .... 326, 330, 341, 345, 432, 436
0761014 .... 444, 450, 499, 567
0761015 .... 364, 370, 374, 380, 386, 392, 399, 444, 450
0761016 ..... 444, 450, 507
0761018 545
0761210 .... 362, 368, 374, 380, 386, 392, 399
0761212 549
0761216 567
0771014 ..... 444, 450
0771212 .... 325, 329, 333, 337, 341, 345, 362, 368, 380, 386, 392, 399
0771414 .... 314, 318, 362, 368, 374, 380, 386, 392, 399
0771415 .... 364, 370, 374, 380, 386, 392, 399, 513, 522, 530, 538
0801132 ..... 553, 555, 561
0801136 ..... 553, 557
0801496 561
0801573 ..... 557, 559
0801591 ..... 557, 559
0801594 561
0811608 .... 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125
0811610 ..... 284, 288, 292
0811612 ..... 133, 135
0811812 .... 271, 275, 279, 284, 288, 292
0860038 .... 522, 525, 533, 537, 541, 545, 793, 795
0861538 ..... 538, 541, 545
0861572 ..... 530, 533
0861642 ..... 263, 265
0861731 .... 813, 817, 821, 823, 945, 947, 949
0861781 ... 805, 809, 941, 943
0861880 ..... 865, 867
0902143 .... 271, 275, 279
0902161 .... 271, 275, 279
0902219 .... 271, 275, 279
0902223 .... 271, 275, 279
0902412 .... 271, 275, 279
0902426 .... 271, 275, 279
0902491 .... 271, 275, 279
0902888 ... 521, 525, 529, 533, 537, 541, 545
0903088 ..... 263, 265
0903242 ..... 87, 89
0903308 271
0903697 861
0940049 ... 271, 275, 279, 284, 288, 292
0940070 ... 314, 318, 362, 368, 374, 380, 386, 392, 399, 446, 452
0940071 .... 271, 275, 279
0940088 .... 272, 276, 279
0940092 ... 687, 689, 691, 693
0940094 ... 687, 689, 691, 693
0940102 .... 665, 667, 669
0940103 691
0940133 693
0940134 687
0940177 689
0961845 ... 593, 597, 603, 605, 607, 609, 615, 617, 619
0961893 707
0961897 717
0961947 563
0961951 ... 557, 559, 703, 713
0961986 ... 314, 318, 362, 368, 374, 380, 386, 392, 399, 444, 450
0962051 ..... 497, 499
0962102 . 19, 21, 23, 557, 559, 561, 705, 709, 711
0962122 561
0962152 ..... 27, 715
0962155 713
0962181 27
0962270 ..... 611, 621
0962336 707
0962348 27
0962449 511
0962520 ... 513, 517, 521, 525, 530, 533, 538, 541, 545
1001001939 ..... 314, 318
1001080707 ..... 103, 105, 107, 109, 111, 113
1001091460 39
1001091461 39
1001091969 803
1001091970 807
1001091973 811
1001091974 815
1001091975 819

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001092092.....1006
1001092384.....847
1001093382.....133, 135
1001094400.....589, 1004
1001094475.....1007
1001094595.....309, 311, 349, 351, 353, 355, 357, 439, 441, 467
1001096141.....973
1001096736.....589
1001097051.....833, 835, 837, 839, 841, 843, 845, 847, 849, 957
1001097082.....833, 835, 837, 839, 841, 843, 845, 847, 849
1001097150.....865
1001097244.....697
1001098012.....659, 661, 680
1001098122.....641, 939
1001098149.....659
1001098167.....701
1001098828.....567
1001099121.....272
1001099137.....271
1001099138.....271, 272
1001099366.....665, 667, 669
1001099367.....665, 667, 669
1001099421.....667
1001099422.....669
1001099837.....581
1001099869.....511
1001099870.....31
1001100231.....865
1001100234.....511
1001100321.....511
1001100341.....941
1001100342.....943
1001100345.....945
1001100346.....949
1001100347.....947
1001100825.....439, 441, 477, 483
1001101191.....803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823, 865, 867
1001101196.....803, 805, 807, 809
1001101197.....811, 813, 815, 817, 819, 821, 823
1001101421.....665
1001101422.....665
1001101600.....303, 305
1001101623.....272
1001101673.....272
1001102290.....883, 885
1001102291.....883, 885
1001102304.....883, 885
1001103308.....139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
1001103667..... 139, 151, 163, 171, 179, 191, 203, 211, 219, 231, 1003
1001103810.... 25, 27, 29
1001104519..... 961
1001106481..... 587
1001106736..... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
1001106938..... 627, 631, 1003
1001106957..... 746, 752, 769
1001106974..... 87
1001106975..... 89
1001107529..... 87
1001107530..... 89
1001107755..... 849
1001108256..... 689
1001108721..... 1007
1001108962..... 1007
1001109263..... 1006
1001109654..... 861, 863, 865
1001109690..... 775
1001110166..... 284, 288, 292
1001110425. 65, 67, 265, 303, 306, 325, 329, 333, 337, 341, 345
1001110434..... 627, 631
1001110872..... 825, 827, 951
1001110873..... 522, 526, 537, 541, 546, 793
1001111514..... 115, 119, 123
1001112551..... 975
1001112588..... 501
1001112589..... 501, 511
1001112612..... 829, 933, 937
1001112796..... 829, 881
1001113047..... 284, 288, 292
1001113961..... 933, 937
1001115387..... 537
1001115389..... 529
1001115405..... 501
1001115409..... 511
1001115918..... 1006
1001116208..... 992
1001116290..... 285, 289, 293
1001116456..... 295
1001116457..... 299
1001116473..... 849
1001116692..... 859
1001116693..... 887, 905
1001116694..... 934, 937
1001116695..... 571
1001116710..... 909
1001116727..... 891, 917, 919
1001116728..... 891
1001116731..... 881
1001116733..... 917
1001116734..... 917
1001116774..... 829
1001116808..... 829
1001116812..... 895, 899, 933
1001116815..... 871, 873, 875, 877, 896, 900, 933
1001116952..... 891, 896, 900
1001116983..... 909
1001117078..... 927
1001117106..... 891, 896
1001117107..... 891, 896, 900
1001117140..... 276, 280
1001117172..... 641
1001117174..... 627, 631, 641, 1002
1001117219..... 285, 289, 293
1001117234..... 284, 288, 292
1001117249..... 284, 288
1001117294..... 1007
1001117307..... 284, 288, 292
1001117308..... 363, 369, 375, 381, 387, 393, 400, 1003
1001117372..... 701
1001117598..... 284, 288, 292
1001118133..... 115, 117, 119, 121, 123, 125
1001118384..... 959
1001118388..... 959
1001119020..... 829, 933, 937, 939
1001119563..... 1007
1001119602..... 774
1001119619..... 955
1001119620..... 953, 957
1001119939..... 1006
1001119947..... 1006
1001119968..... 533, 541, 927
1001120328..... 671, 673
1001120471..... 697
1001120477..... 697
1001120484..... 697
1001120989..... 992
1001121122..... 292
1001121123..... 292
1001125125..... 843, 845, 847, 849
1001125126..... 843, 845, 847, 849
1001125387..... 992
1001125492..... 77
1001126009..... 959
1001126351.....891, 896, 900
1001126352.....891
1001126356.....891
1001126357.....891
1001126362.....892, 895, 899
1001126363.....892, 895, 899
1001126364.....892, 895, 899
1001126365.....892
1001126384.....891
1001126391.....892, 895, 899
1001126392.....892, 895, 899
1001126485.....895, 899
1001126487.....895, 899
1001127094.....992
1001128527.....685
1001128556.....685
1001128901.....445, 451
1001129555.....1002
1001129858.....521
1001131269.....973
1001133714.....892, 895, 899, 911
1001133715.....892, 895, 899, 911
1001133956.....891, 896, 900
1001133957.....891, 896, 900
1001134488.....363, 369, 445, 452
1001135138.....363, 369, 375, 381, 387
1001135650.....892, 895, 899, 911
1001135651.....892, 895, 899
1001135679.....363, 369
1001136104.....545
1001136400.....581
1001136834.....363, 369, 375, 381, 387, 393, 400
1001136881.....774
1001137005.....1010
1001137276.....363, 369, 375, 381, 387, 393, 400
1001137336.....441
1001137364.....151, 155, 159, 171, 175, 191, 195, 199, 211, 215, 231, 235, 239, 631
1001137440.....1009
1001137460.....133, 135, 137
1001137672.....1009
1001137673.....671
1001138110.....891
1001138111.....891
1001138113.....891
1001138173.....363, 369, 375, 381, 387, 393, 400, 445, 451

1001138175 ..... 363, 369, 375, 382, 388, 394, 401, 445, 451
1001138228 ..... 363, 369, 375, 381, 387, 393, 400
1001138248 ..... 363, 369, 375, 381, 387, 393, 400, 446, 451
1001138489 ..... 363, 370, 375, 382, 387, 393, 400
1001138491 ..... 325, 329, 333, 337, 341, 345, 909
1001138494 ..... 597, 603, 605, 607, 609, 615, 617, 619
1001138514 ..... 597, 603, 605, 609, 615, 619
1001138557 ..... 363, 369, 375, 381, 387, 393, 400
1001138565 513
1001138566 ..... 513, 517, 521, 526
1001138795 707
1001138827 ..... 363, 369
1001139099 1007
1001139135 ..... 627, 631, 859
1001139240 ..... 363, 369, 382, 388, 394, 401
1001139357 ..... 514, 521
1001139409 ..... 363, 369, 375, 381, 387, 393, 400
1001139654 992
1001139944 1009
1001139952 521
1001140312 370
1001140346 525
1001140347 517
1001140429 ..... 593, 597, 603, 605, 607, 609, 615, 617, 619
1001140448 ..... 363, 369, 375, 382, 388, 394, 401
1001140450 ..... 363, 369, 375, 382, 388, 394, 401
1001140454 ..... 363, 369, 375, 382, 388, 394, 401
1001140564 ..... 363, 369
1001141300 992
1001141302 992
1001141304 ..... 363, 369, 375, 381, 387, 393, 400
1001141370 ..... 363, 369, 375, 381, 387, 393, 400
1001141419 375
1001141421 541
1001141422 533
1001141585 ..... 363, 369, 375, 381, 387, 393, 400, 445, 451
1001141586 375
1001141718 ..... 423, 425
1001141870 ..... 419, 421, 425
1001141995 ..... 363, 369, 375, 381, 387, 393, 400, 445, 451
1001142031 ..... 493, 495
1001142032 ..... 493, 495
1001142501 ..... 325, 329, 333, 337, 419, 421, 423, 425
1001142504 1008
1001142505 1008
1001142623 375
1001142643 ..... 517, 526, 534, 542
1001142645 ..... 517, 534
1001142646 ..... 526, 542
1001142683 ..... 255, 257, 259, 261, 1003
1001142722 ..... 255, 257, 259, 261
1001142736 ..... 255, 257, 259, 261, 829
1001142938 ..... 892, 895, 899, 903
1001142940 ..... 892, 895, 899, 903
1001142941 ..... 892, 895, 899, 900, 903
1001143390 ..... 315, 319, 363, 369, 375, 381, 387, 393, 400
1001143449 ..... 493, 495
1001143483 495
1001143484 493
1001143525 ..... 493, 495
1001143607 ..... 275, 276
1001143609 275
1001143611 276
1001143726 ..... 363, 369, 381, 891
1001143736 ..... 325, 329, 333, 337, 341, 345
1001143797 ..... 363, 369, 375, 381, 387, 393, 400
1001143852 992
1001143858 ..... 275, 280
1001143860 493
1001143907 ..... 364, 369, 375, 381, 387, 393, 400
1001144147 881
1001144295 967
1001144433 671
1001144438 265
1001144447 265
1001144527 297
1001144629 ..... 595, 599, 601, 607, 613, 617
1001145154 ..... 364, 369, 375, 382, 388, 394, 401
1001145405 ..... 659, 680
1001145750 481
1001145751 481
1001146273 ..... 314, 318
1001146588 ..... 334, 338, 375
1001147264 ..... 891, 896, 900
1001147812 ..... 314, 318
1001147813 ..... 314, 318
1001147820 ..... 314, 318
1001147823 ..... 314, 318, 321
1001148138 503
1001148652 ..... 557, 559
1001148675 ..... 825, 827, 951
1001148841 911
1001148842 911
1001148902 1007
1001148903 1007
1001148904 1007
1001148905 1007
1001148906 1007
1001148971 1007
1001149160 461
1001149286 ..... 555, 559
1001149391 717
1001149410 775
1001149639 ..... 445, 451
1001149673 ..... 276, 280
1001149703 489
1001149704 ..... 314, 318
1001149705 ..... 314, 318
1001149706 ..... 314, 318
1001149793 ..... 315, 319
1001149908 473
1001150260 ..... 271, 275, 280, 284, 288, 292
1001150372 ..... 25, 27, 29
1001150539 ..... 25, 27, 29, 715
1001150561 295
1001150890 491
1001150915 ..... 315, 319
1001150918 ..... 305, 330, 436
1001150937 ..... 25, 27, 29
1001150998 ..... 315, 319
1001151010 51
1001151034 25
1001151035 29
1001151037 19
1001151070 ..... 303, 305
1001151252 491
1001151253 489
1001151354 ..... 729, 734, 740, 746, 752, 758, 764, 770
1001151856 892
1001151980 ..... 25, 29
1001152175 ..... 139, 143, 151, 155, 163, 171, 179, 183, 191, 195, 203, 211, 219, 223, 231, 235
1001152266 967
1001152429 ..... 530, 539, 923
1001152457 ..... 521, 526
1001152459 ..... 315, 319
1001152489 ..... 364, 370, 375, 381, 387, 393, 400
1001152520 534
1001152525 ..... 530, 534, 538, 542, 546
1001152532 ..... 514, 518, 522, 526, 913
1001152564 579
1001152565 ..... 573, 575, 577
1001152566 276
1001152719 ..... 19, 21
1001152965 1009
1001153197 ..... 514, 521, 919
1001153259 ..... 518, 526, 921
1001153282 ..... 315, 319, 362, 370, 375, 381, 387, 393, 400, 429
1001153359 ..... 325, 329, 333, 337, 341, 345, 432, 437
1001153396 ..... 309, 314
1001153414 ..... 315, 319
1001153435 276
1001153713 ..... 139, 143, 151, 155, 163, 171, 883
1001153749 589
1001153779 ..... 311, 318
1001154126 701
1001154236 ..... 303, 309
1001154237 ..... 305, 311
1001154238 303
1001154405 ..... 325, 329, 333, 337, 345, 419, 421, 423, 425, 487
1001154584 21
1001154687 701
1001154875 23
1001154931 27
1001155035 27
1001155041 507
1001155043 ..... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
1001155044 ..... 139, 143, 147, 152, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 627, 631
1001155045 ..... 140, 143, 147, 152, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 627, 631, 1004
1001155143 ..... 303, 305
1001155192 27
1001155194 23
1001155673 774
1001155823 ..... 325, 329, 333, 337, 341, 345
1001155895 ..... 284, 288, 292

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001155899.....284, 288, 292
1001156107.....375
1001156136.....77
1001156172.....1008
1001156188.....284
1001156190....91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125
1001156332.....729, 734, 740, 746, 752, 758, 764, 769
1001156333.....729, 734, 740, 746, 752, 758, 764, 769
1001156693.....841
1001156694.....841
1001156710.....19, 21, 23
1001156798.....85
1001157013.....1009
1001157015.....31
1001157016.....33
1001157049.....83
1001157058.....83
1001157094.....35
1001157208.....285, 293
1001157209.....285, 289, 293
1001157400.....725
1001157520.....530, 538, 542, 546
1001157521.....530, 534, 538, 542, 546
1001157525.....529, 530, 533, 534
1001157528.....530, 534, 538, 542, 546
1001157592.....537, 538, 542, 546
1001157612.....284, 288, 292
1001157726.....284, 288, 292
1001157769.....530, 539
1001157867.....284, 288, 292
1001158007.....530, 534, 538, 542, 546
1001158008.....530, 534, 538, 542, 546
1001158077.....284, 288, 293
1001158167.....295
1001158175.....284, 288, 293
1001158187.....53, 55
1001158188.....53
1001158203.....53
1001158204.....55
1001158258.....57
1001158259.....1006
1001158260.....1006
1001158364.....245
1001158522.....57, 59
1001159118..... 825, 827, 951, 1002
1001159119..... 825, 827, 951
1001159120..... 825, 827, 951
1001159121..... 827, 951
1001159186..... 933, 937
1001159256..... 627, 631, 1004
1001159293..... 769
1001159295..... 769
1001159304..... 769
1001159305..... 769
1001159306..... 769
1001159323..... 979
1001159338..... 763
1001159339..... 763
1001159340..... 733, 751, 758
1001159707..... 774
1001159854..... 728, 733
1001160077..... 251, 253
1001160272..... 797
1001160780..... 57, 59
1001161089..... 284, 288, 293
1001161355.... 25, 27, 29
1001161399.... 25, 27, 29
1001161709..... 628, 632
1001162335..... 364, 370, 419
1001162497..... 303, 306, 325, 329, 333, 337, 341, 345, 432, 437
1001162546..... 1009
1001162915..... 289
1001163101..... 297
1001163131..... 665
1001163296..... 667
1001163297..... 669
1001163599..... 503, 517, 526, 533, 541
1001164786..... 1008
1001165035..... 325, 329, 333, 337, 341, 345, 446, 450
1001165350..... 563
1001165368..... 513, 518, 867
1001165657.... 25, 27, 29
1001165776..... 180, 183, 192, 195, 204, 212, 887
1001165842..... 375
1001166538..... 627, 631, 635
1001166539..... 627, 631, 637
1001166806..... 59
1001167042..... 364, 370, 375, 381, 387, 393, 400
1001167565..... 567
1001167567..... 567
1001167596..... 567
1001167632..... 895, 899
1001167635..... 895, 899
1001168018..... 445, 451
1001168402..... 567
1001169054..... 364, 370, 376, 381, 387, 393, 400, 445, 451
1001169138..... 364, 370, 376, 381, 387, 393, 400, 445, 451
1001169754..... 47
1001169755..... 47
1001169756..... 47
1001169757..... 47
1001169967..... 445, 451
1001170035..... 445, 451
1001170527..... 581
1001170548..... 563
1001170764..... 895, 899
1001170808..... 140, 144, 152, 156, 164, 172, 180, 183, 192, 196, 204, 212, 220, 223, 232, 235, 965
1001171016..... 861
1001171125..... 525
1001171131..... 825
1001171202..... 585
1001171203..... 583
1001171403..... 892
1001171482..... 140, 152, 164, 167, 172, 176, 180, 192, 204, 208, 212, 216, 220, 232
1001172045..... 1006
1001172064..... 903
1001172065..... 903
1001172179..... 583, 585
1001172271..... 571, 1004
1001172760..... 627, 631
1001173535..... 446, 452
1001173703..... 992
1001173876..... 288
1001173878..... 297
1001173897..... 91, 95, 99
1001174040..... 567
1001174486..... 432, 437
1001174745..... 493, 495
1001174746..... 495
1001176027..... 349, 362
1001176035..... 351, 368
1001176329..... 445, 451
1001176469..... 164, 168, 172, 176, 204, 208, 212, 216
1001176636..... 563
1001176862..... 825
1001177035..... 514, 518, 863
1001177359..... 364, 370, 376, 382, 387, 393, 400
1001177694..... 1007
1001177710..... 863
1001177844..... 364, 370, 376, 381, 387, 393, 400
1001177845..... 364, 370, 376, 381, 387, 393, 400
1001178057 . 91, 93, 103, 105, 115, 117, 127
1001178174..... 91, 93
1001178175.....115, 117
1001178178.....305
1001178201.....774
1001178202.....763
1001178203.....728
1001178204.....739
1001178205.....745
1001178206.....769
1001178207.....1006
1001178208.....1006
1001178223.....364, 370, 376, 382, 388, 394, 401
1001178797.....487
1001178876.....364, 370
1001179040.....103, 107, 111
1001179079.....775
1001179154.....538, 542, 546
1001179329.....774
1001179545.....775
1001179546.....775
1001179837.....503
1001179912.....513
1001180001.....503
1001180052.....504
1001180218.....517
1001180287.....503
1001180620.....364, 370, 376, 381, 388, 394, 401, 445, 451
1001180861.....992
1001181045.....865, 867, 1002
1001181243.....504
1001181895.....370
1001181899.....364, 368, 381, 388, 394, 401
1001182162.....775
1001182361.....896, 900
1001182365.....896, 900
1001182599.....1007
1001182806.....247
1001182997....91, 93, 95, 99, 103, 105, 107, 111, 115, 117, 119, 123, 125
1001183225.....774, 1007
1001183226.....775, 1007
1001184569.....1008
1001184618.....628, 632, 973, 975, 977, 979, 981, 983, 985, 987, 989
1001184626.....628, 632
1001184682.....249
1001185281.....627, 631
1001185667.....325, 349
1001185670.....325
1001185671.....329, 351
1001185672.....329
1001186251.....284, 288, 293
1001186254.....285, 289, 293
1001186333.....611
1001186334.....621
1001186375.....597
1001186378.....603

1001186379 605
1001186382 615
1001186383 613
1001186384 601
1001186385 599
1001186387 595
1001186426 ..... 445, 451
1001186431 ... 671, 1003, 1009
1001186432 ..... 959, 961
1001186517 671
1001186985 ..... 364, 370, 376, 382, 388, 394, 401
1001187674 663
1001187681 955
1001187781 ..... 444, 450
1001188135 ..... 729, 734, 740, 746, 752, 758, 764, 769
1001188622 567
1001188844 567
1001188874 ..... 140, 144, 148, 152, 156, 160, 164, 168, 172, 176, 180, 184, 187, 192, 196, 200, 204, 208, 212, 216, 220, 223, 227, 232, 236, 239
1001188884 485
1001188887 485
1001188972 ..... 305, 330, 437
1001189001 567
1001189002 567
1001189979 ..... 446, 451
1001190610 ..... 364, 370, 376, 382, 388, 394, 401
1001190888 1009
1001190985 567
1001191395 1007
1001191525 992
1001191599 413
1001191610 ..... 445, 451
1001191620 ..... 334, 338, 376
1001193018 ..... 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823
1001195304 1008
1001195533 1007
1001195967 493
1001196382 546
1001196634 ..... 427, 879, 1002, 1003
1001196768 ..... 285, 289, 293
1001197017 ..... 687, 689, 691, 693
1001197408 992
1001197719 ..... 895, 899
1001198333 ..... 728, 740, 745, 764, 770
1001198334 ..... 728, 733
1001198336 725
1001198338 ..... 739, 745, 751, 757, 763, 770
1001198339 725
1001198340 ..... 728, 733, 739, 745, 752, 757
1001198341 ..... 740, 758, 764
1001199394 ..... 728, 733, 739, 745, 751, 757, 763, 769
1001199395 ..... 728, 733
1001199488 1009
1001199733 485
1001200054 ..... 573, 575
1001200120 992
1001200121 992
1001200122 992
1001200124 992
1001200125 992
1001200126 992
1001200127 992
1001200491 567
1001200494 567
1001200497 ..... 589, 933, 937
1001200700 1008
1001201351 567
1001201885 ..... 933, 937, 939
1001202280 485
1001202281 485
1001202368 ..... 363, 369, 376
1001202687 567
1001202749 1007
1001203655 611
1001203656 621
1001204269 ..... 746, 752, 770
1001204325 ..... 364, 370, 376, 382, 388, 394, 401
1001204560 ... 21, 23, 701
1001204667 485
1001204725 567
1001205028 1006
1001205029 1006
1001205441 1007
1001205958 ..... 811, 813, 815, 817, 819, 821
1001206250 813
1001206251 817
1001206252 821
1001206253 805
1001206254 809
1001206255 823
1001206311 1009
1001206476 831
1001206477 1009
1001206532 ..... 628, 632
1001207558 ..... 271, 275, 280
1001207969 ..... 573, 575
1001208994 ..... 567, 573, 575
1001209059 1009
1001209432 831
1001209474 831
1001209632 1007
1001209664 671
1001209982 49
1001210025 1009
1001210026 1009
1001210448 ..... 457, 463
1001210636 697
1001211556 407
1001211794 ..... 461, 463
1001212223 ..... 533, 541
1001212415 1002
1001213447 939
1001213584 ..... 793, 795, 799, 863
1001213585 ..... 793, 795, 799, 863
1001213705 ..... 553, 555
1001213810 461
1001213882 ..... 627, 631
1001214030 992
1001214570 831
1001214571 831
1001214827 463
1001215016 ..... 905, 907
1001215091 ..... 905, 907
1001215228 627
1001215289 774
1001215296 ..... 728, 733, 739, 745, 751, 757, 763, 770
1001215384 463
1001215534 ..... 905, 907
1001215681 ..... 445, 451
1001215974 ..... 445, 451
1001216015 503
1001216065 ..... 461, 463
1001216071 463
1001216075 ..... 445, 451
1001216092 ..... 445, 451
1001216144 463
1001216201 ..... 445, 451
1001216212 ..... 905, 907
1001216213 ..... 905, 907
1001216220 473
1001216230 ..... 220, 224, 232, 236, 905
1001216300 455
1001216390 546
1001216391 508
1001216393 451
1001216531 ..... 446, 452
1001216532 ..... 439, 441
1001216534 ..... 439, 441
1001216535 ..... 439, 441
1001216568 ..... 432, 437
1001216619 455
1001216630 567
1001216768 461
1001216769 461
1001216910 ..... 445, 451, 461
1001216919 ..... 445, 451
1001217032 ..... 445, 451
1001217046 ..... 445, 451
1001217090 ..... 445, 451
1001217170 ..... 439, 441
1001217174 ..... 445, 451
1001217175 ..... 445, 451
1001217183 ..... 445, 451
1001217185 ..... 445, 451
1001217186 ..... 445, 451
1001217191 ..... 439, 444
1001217192 ..... 433, 439
1001217194 733
1001217195 757
1001217196 751
1001217199 432
1001217317 ..... 445, 451
1001217477 ..... 477, 483
1001217478 477
1001217543 ..... 445, 451
1001217780 ..... 563, 565
1001218022 1007
1001218085 ..... 439, 441
1001218089 ..... 477, 483
1001218362 ..... 445, 452
1001218449 ..... 445, 452
1001218547 499
1001218572 ..... 133, 135
1001218622 801
1001218623 801
1001218930 546
1001219219 ... 31, 33, 35, 39
1001219259 ..... 445, 452
1001219345 ..... 445, 452
1001219361 ..... 445, 452
1001219363 ..... 445, 452
1001219364 ..... 433, 437
1001219365 ..... 433, 437
1001219366 ..... 433, 437
1001219367 ..... 433, 437
1001219368 ..... 433, 437
1001219369 ..... 433, 437
1001219370 ..... 433, 437
1001219480 ..... 445, 452
1001219601 ..... 140, 144, 148, 152, 156, 160, 164, 168, 172, 176, 180, 184, 188, 192, 196, 200, 204, 208, 212, 216, 220, 224, 228, 232, 236, 240
1001219608 ..... 441, 450
1001219609 ..... 437, 441
1001219610 436
1001219611 ..... 445, 452
1001219612 ..... 445, 452
1001219613 ..... 445, 452
1001219618 545
1001219619 507
1001219630 508
1001219632 508
1001219633 1008
1001219809 ..... 433, 437
1001219840 1006
1001219881 499
1001219906 483
1001219985 ..... 65, 573
1001219986 ..... 67, 575
1001220002 293
1001220067 293
1001220141 477
1001220189 299
1001220190 292
1001220379 891
1001220404 455

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001220510.....992
1001220511.....992
1001220512.....992
1001220864.....992
1001221203.....382, 388, 394, 401
1001221212.....341, 345, 381, 388, 394, 401
1001221219.....381, 388, 394, 401
1001221397.....477, 483
1001221464.....439
1001221488.....432, 436
1001221498.....546
1001221545.....463
1001221615.....446, 452
1001222033.....446, 452
1001222641.....463
1001222817.....487
1001223042.....445, 451
1001223055.....973
1001223453.....973, 983
1001223459.....892, 895, 899
1001223584.....444, 450
1001223591.....382, 411
1001223923.....445, 451
1001223971.....983
1001224048.....987
1001224049.....989
1001224050.....981
1001224052.....977
1001224053.....985
1001224486.....446, 452
1001224489.....446, 452
1001224936.....382, 388, 394, 401
1001224937.....382, 388, 394, 401
1001224940.....382, 388, 394, 401
1001225346.....831, 1004
1001225430.....408, 411, 1003
1001225431.....408
1001225432.....412, 1003
1001225442.....445, 451
1001225510.....446, 452
1001225580.....671, 961
1001225745.....309, 311, 349, 351, 353, 355, 357, 359, 439, 441, 465
1001226285.....423
1001226400.....851, 853, 855, 857
1001226531.....831
1001226541.....881
1001226636.....881
1001226637.....881
1001226739.....871, 873, 875, 877, 881
1001226799.....873, 875, 877
1001226872.....593
1001226923.....487
1001227224.....341, 345, 423, 425
1001227351..... 839, 847, 851
1001227359..... 833, 835, 837, 839, 841, 843, 845, 847, 849
1001227448..... 871
1001227518..... 833, 835, 837, 841, 843, 845, 849, 853
1001227520..... 841
1001227610..... 833
1001227614..... 355, 380
1001227615..... 341, 355
1001227616..... 341
1001227620..... 341, 345
1001227633..... 663
1001227634..... 663
1001227666..... 446, 452
1001227667..... 446, 452
1001227769..... 461
1001227772..... 463
1001227781..... 845
1001227782..... 843
1001227783..... 835
1001227785..... 839
1001227799..... 847
1001227800..... 837
1001227801..... 849
1001227985..... 663
1001227987..... 663
1001227996..... 953, 957
1001228087..... 557, 717
1001228170..... 65, 69
1001228171..... 67, 73
1001228215..... 593
1001228224..... 663, 1004
1001228225..... 663, 1004
1001228243..... 617
1001228375..... 619
1001228376..... 607
1001228377..... 609
1001228544..... 1010
1001228949..... 875
1001228954..... 875
1001228988..... 685, 997, 999
1001229341..... 663
1001229530..... 933, 937
1001229542..... 363, 369
1001229762..... 1006
1001229810..... 77, 80
1001230032..... 487
1001230635..... 363, 369, 376, 382, 388, 394, 401
1001230934..... 896, 900
1001230935..... 896, 900
1001230936..... 896, 900
1001231235..... 1009
1001231801..... 991
1001231886..... 247
1001231888..... 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113
1001231949..... 655
1001231950..... 651, 657
1001232010..... 651, 653, 655, 657
1001232011..... 651, 655, 657
1001232164..... 663
1001232165..... 663
1001232642..... 673
1001232667..... 673, 1004
1001232842..... 427
1001233047..... 1006
1001233089..... 381, 388, 394, 401
1001233472..... 1006
1001233763..... 330, 427
1001234800..... 895, 899
1001235860..... 333, 337
1001235949..... 376, 421
1001236211..... 1007
1001236303..... 135
1001236304..... 831
1001236334..... 475
1001236335..... 475
1001236386..... 279
1001236387..... 280
1001236389..... 280
1001236396..... 991
1001236504..... 831
1001236505..... 831
1001236552..... 673
1001236746..... 655
1001236747..... 651
1001236871..... 280
1001236891..... 649, 651, 653, 655, 657
1001236895..... 649, 651, 653, 655, 657
1001236951..... 1008
1001237545..... 645
1001237547..... 243
1001237667..... 933, 937, 939
1001237668..... 933, 937, 939
1001237862..... 953, 957
1001237863..... 663, 957
1001237864..... 663, 953
1001237865..... 663, 955
1001237882..... 1007
1001237883..... 1007
1001238263..... 649, 651, 653, 655, 657
1001238268..... 376
1001238319..... 663
1001238418..... 673, 959
1001238421..... 567
1001238463..... 657
1001238472..... 673
1001238495..... 671
1001238559..... 673
1001238878..... 387, 895
1001239202..... 895, 899
1001239347..... 249
1001239462..... 135
1001239470..... 133
1001241385..... 247
1001241403..... 243, 645
1001241413..... 1007
1001241415..... 1007
1001241547..... 1009
1001241548.....1009
1001241774.....1007
1001241776.....1007
1001241965.....673
1001242255.....255, 257
1001242256.....259, 261
1001242409.....1006
1001243183.....1006
1001243184.....1006
1001243414.....285, 289, 293
1001243645.....49
1001243682.....247, 249, 969
1001243895.....427
1001244620.....973
1001244622.....987
1001244624.....981
1001244626.....989
1001244628.....977
1001244630.....983
1001244632.....979
1001244634.....985
1001244636.....975
1001245049.....49
1001245913.....376, 911
1001246142.....1006
1001246144.....873
1001246145.....877
1001246473.....873
1001246474.....877
1001247013.....341, 345
1001247073.....1009
1001247099.....553
1001247100.....555
1001247147.....553, 555, 563
1001247358.....51
1001247359.....446, 452
1001247468.....567
1001248012.....563, 707
1001248140.....649, 651, 653, 655, 657
1001248141.....649, 651, 653, 655, 657
1001249052.....1009
1001249095.....937
1001249695.....1006
1001249941.....1006
1001249942.....363, 369, 403
1001250035.....1009
1001250292.....285, 289, 293
1001250293.....284, 288, 292
1001250465.....1009
1001250466.....1009
1001250595.....1009
1001250643.....103, 105
1001251009.....553, 555, 711
1001251010.....553, 555, 709
1001251030.....553, 555, 703

1001251041 ..... 553, 555, 705
1001251050 ..... 553, 555, 713
1001251086 ..... 561, 721
1001251087 ..... 559, 719
1001252033 1009
1001252034 1009
1001252527 ..... 896, 900
1001252627 995
1001252629 ..... 649, 651, 653, 655, 657
1001253375 961
1001253618 1007
1001253619 1007
1001253920 973
1001253921 973
1001253922 983
1001253923 983
1001253924 987
1001253925 987
1001253926 981
1001253927 981
1001253930 989
1001253931 989
1001253932 985
1001253933 985
1001253936 977
1001253937 977
1001254472 673
1001254473 673
1001255133 567
1001255807 1006
1001255901 ..... 879, 934, 937
1001256506 892
1001256879 ..... 334, 338
1001257271 ..... 649, 653
1001257274 649
1001257278 ..... 382, 388, 394, 401
1001257283 479
1001257412 ..... 382, 388, 394, 401
1001257561 1008
1001257972 ..... 547, 925
1001258800 376
1001258953 1010
1001260412 ..... 364, 370, 376, 382, 388, 394, 401
1001260413 ..... 364, 370, 376, 382, 388, 394, 401
1001260475 571
1001260937 632
1001261045 376
1001261085 376
1001261335 649
1001261336 653
1001261338 649
1001261339 653
1001262016 1009
1001262322 871
1001262326 871
1001262959 1010
1001263352 ..... 140, 152, 180, 192, 220, 232
1001263353 ..... 164, 168, 172, 176, 204, 208, 212, 216
1001263355 ..... 172, 176
1001263356 ..... 152, 156, 160, 192, 196, 200, 232, 236, 240
1001263357 ..... 212, 216
1001263360 ..... 191, 195, 199
1001263361 ..... 151, 155, 159
1001263362 ..... 171, 175
1001263363 ..... 231, 235, 239
1001263364 ..... 211, 215
1001263587 632
1001263588 ..... 625, 631
1001263923 ..... 883, 885, 965, 967
1001264239 625
1001265163 697
1001265342 697
1001265676 ..... 905, 907
1001266056 1008
1001266069 ..... 623, 627
1001266073 623
1001266098 1008
1001266164 571
1001266290 1008
1001266489 1008
1001266499 ..... 382, 388, 394, 401
1001266525 ..... 364, 370, 381, 388, 394, 401
1001266628 ..... 140, 144, 152, 156, 164, 172, 180, 184, 192, 196, 204, 212, 220, 224, 232, 236, 933
1001266648 ..... 628, 632, 939
1001266807 1008
1001266829 571
1001266874 ..... 164, 168
1001266875 ..... 179, 183, 187
1001266876 ..... 140, 144, 148, 180, 184, 188, 220, 224, 228
1001266878 ..... 204, 208
1001266893 ..... 139, 143, 147
1001266894 ..... 163, 167
1001266895 ..... 219, 223, 227
1001266896 ..... 203, 207
1001267256 ..... 363, 369, 382, 388, 394, 401
1001267312 ..... 973, 975, 977, 979, 981, 983, 985, 987, 989
1001267678 .. 95, 97, 107, 109, 119, 121, 129
1001267885 977
1001268736 1007
1001269187 1008
1001269389 1008
1001269629 1007
1001269630 1007
1001269631 1007
1001269655 1009
1001270068 725
1001270069 ..... 739, 745, 751, 757
1001270073 ..... 745, 752
1001270084 ..... 728, 733
1001270089 775
1001270090 ..... 729, 734, 740, 746, 752, 758, 764
1001270091 ..... 728, 734, 740, 746, 752, 758
1001270093 763
1001270096 758
1001270099 280
1001270482 1008
1001270517 1006
1001270594 ..... 251, 253
1001270630 ..... 739, 764
1001271642 1008
1001271794 ..... 140, 144, 148, 152, 156, 160, 164, 168, 172, 176, 180, 184, 188, 192, 196, 200, 204, 208, 212, 216, 220, 224, 228, 232, 236, 240
1001272088 1007
1001272112 764
1001272166 1008
1001272182 1008
1001272200 1007
1001272659 869
1001272681 ..... 255, 257
1001272682 ..... 259, 261
1001272997 879
1001273012 ..... 869, 879
1001274219 .. 93, 97, 101, 105, 109, 113, 117, 121, 125
1001274249 1010
1001274559 ..... 627, 631
1001274829 1007
1001274830 1007
1001274831 1007
1001274833 1007
1001275149 ..... 253, 257, 261
1001275642 1009
1001275643 1009
1001276143 ..... 140, 144, 148, 152, 156, 160, 164, 168, 172, 176, 180, 184, 188, 192, 196, 200, 204, 208, 212, 216, 220, 224, 228, 232, 236, 240
1001276377 ..... 359, 471
1001276610 869
1001276644 ..... 376, 393, 400, 899
1001276923 1006
1001277592 ..... 376, 407
1001277598 ..... 353, 374
1001277606 ..... 334, 338, 353
1001277840 1010
1001277848 1010
1001278844 251
1001278845 255
1001278850 ..... 251, 255, 259
1001280403 ..... 144, 148, 156, 160, 184, 188, 196, 200, 224, 228, 236, 240
1001280600 ..... 139, 143, 147, 151, 155, 159, 167, 175, 179, 183, 187, 191, 195, 199, 207, 215, 219, 223, 227, 231, 235, 239
1001281192 376
1001281298 549
1001281301 549
1001281304 549
1001281305 549
1001281307 549
1001281309 549
1001281310 549
1001281311 549
1001281359 549
1001281360 549
1001281452 1008
1001281453 1008
1001281456 1008
1001281457 1008
1001281608 ..... 346, 357, 359
1001281609 ..... 357, 359, 386, 392, 399
1001281610 ..... 388, 394, 415
1001281656 549
1001281703 ..... 243, 645
1001281965 345
1001281985 ..... 388, 394, 401
1001281986 ..... 388, 394, 401
1001282099 1006
1001282106 ..... 243, 645
1001282461 1009
1001283776 ..... 253, 963
1001284101 549
1001284686 ..... 973, 975, 977, 979, 981, 983, 985, 987, 989
1001284872 ..... 107, 109
1001284873 ..... 95, 97
1001284874 ..... 119, 121
1001284961 ..... 117, 121, 125
1001284962 .. 93, 97, 113
1001284963 ..... 101, 105, 109
1001285016 ..... 147, 159, 167, 175, 187, 199, 208, 216, 227, 239, 967

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001285346.....148, 160, 168, 176, 188, 200, 208, 216, 228, 240, 937
1001285349.....549
1001285369.....187, 199, 207, 215, 889
1001285677 99, 101, 111, 113, 123, 125, 131
1001285832.....99, 101
1001285833.....123, 125
1001285834.....111, 113
1001286022.....1008
1001286032.....147, 159, 167, 175, 885
1001286033.....227, 240, 907
1001286622.....253
1001287467.....147, 159, 167, 175, 187, 199, 207, 215, 227, 239
1001287536.....549
1001288113.....549
1001289552.....900
1001289553.....900
1001289593.....338, 346, 903
1001289850.....1006
1001289874.....285, 289, 293
1001289964.....393, 400
1001290021.....271, 275, 279
1001290252.....445, 451
1001290382.....285, 293
1001290383.....289
1001291681.....401, 417
1001292423.....991
1001292425.....991
1001293369.....1007
1001303818.....446, 452
1001311034.....673
1060341....687, 689, 691, 693
1060343.....538, 542, 546
1060545.....867
1060626.....305, 329, 436
1060637....303, 305, 349, 351, 353, 355, 357, 359, 439, 441
1060903....687, 689, 691, 693
1060908.....865
1060918.....641
1062255.....334, 338
10702077..530, 534, 538, 542, 546
10702082..530, 534, 538, 542, 546
10836804..144, 147, 156, 160, 184, 187, 196, 199, 223, 227, 235, 239
1120510.....553, 555
1120555.....665, 667, 669
1120601....272, 276, 279, 284, 288, 292
1180346.....583, 585
1260017.....57, 59, 85
1260135..... 61
1320011..... 341, 345
1320016..... 314, 318
1320022.... 303, 305, 485
1320061... 325, 330, 333, 337, 341, 345
1320110..... 444, 450
1320127..... 51
1320176..... 303, 305
1320177..... 659, 680
1320218..... 51
1320220..... 51
1320223... 115, 117, 119, 121, 123, 125, 314, 318
1320224..... 303, 306
1320250..... 583, 585
1320256... 833, 835, 837, 839, 841, 843, 845, 849
1320288..... 581
1320289..... 581
1320302... 675, 677, 680, 685
1320318... 513, 517, 521, 525, 529, 533, 537, 541
1321283..... 432, 436
1321339... 303, 305, 325, 330, 333, 337, 341, 345, 432, 436
1321384.... 272, 276, 280
1380147..... 497, 499
1580012..... 695
1580013..... 1008
1600244..... 1009
1670603..... 823
1670842... 271, 275, 279, 284, 288, 292
1670844..... 553, 555
1670850..... 553, 555
1671034..... 563
1671092... 538, 542, 546, 797
1671093.... 677, 680, 797
1671228... 271, 272, 275, 276, 279, 280
1671230..... 272
1671231.... 272, 276, 280
1671232.... 272, 276, 280
1671233..... 271
1671314..... 631
1700818..... 991
1701499... 973, 975, 977, 979, 981, 983, 985, 987, 989
1701501... 973, 975, 977, 979, 981, 983, 985, 987, 989
1701505... 303, 305, 325, 329, 333, 337, 341, 345, 991
1701509... 665, 667, 669, 973, 975, 977, 979, 981, 983, 985, 987, 989
1701518..... 975, 979
1701542.... 432, 436, 991
1701543.... 432, 436, 991
1702565..... 627, 631
1702566..... 627, 631
1702567..... 627, 631
1702720..... 991
1702773... 611, 621, 979, 991
1702774..... 991
1702788..... 991
1702861..... 991
1702868... 685, 973, 991, 995, 999
1702941.... 305, 329, 436
1702942.... 305, 329, 436
1702943.... 305, 329, 436
1702944.... 305, 329, 436
1703162... 314, 318, 362, 368, 374, 380, 386, 392, 399, 444, 450
1703175..... 991
1703479..... 991
1703773... 973, 975, 977, 979, 981, 983, 985, 987, 989
1703797..... 973
1703804..... 973
1703805..... 973
1703811... 973, 975, 977, 979, 981, 983, 985, 987, 989
1703814... 973, 975, 977, 979, 981, 983, 985, 987, 989
1703923..... 989
1703924..... 983
1703925..... 981
1703926..... 985
1703927..... 987
1703935..... 989
1703936..... 983
1703937..... 981
1703938..... 985
1703939..... 987
1703941..... 989
1703942..... 983
1703943..... 981
1703944..... 985
1703945..... 987
1703947..... 989
1703948..... 983
1703949..... 981
1703950..... 985
1703951..... 987
1703953..... 973
1703959... 973, 975, 977, 979, 981, 983, 985, 987, 989
1703960... 973, 975, 977, 979, 981, 983, 985, 987, 989
1703980..... 985
1703981..... 987
1703982..... 981
1703983..... 989
1703984..... 983
1704000..... 983, 991
1704001..... 989, 991
1704260..... 627, 631
1704271..... 991
1704277....973, 975, 977, 979, 981, 983, 985, 987, 989
1704412....973, 975, 977, 979, 981, 983, 985, 987, 989
1704578.....57
1704885.....991
1704972.....991
1705006.....991
1705012.....991
1705014.....611, 621
1705090.....57
1705305....685, 995, 997, 999
1705325.....803, 805
1705336.....973
1705344.....985
1705345.....987
1705347.....983
1705348.....981
1705351.....973
1705355.....997, 999
1705358....665, 667, 669, 991
1705368.....992
1705374....522, 525, 825, 827, 951
1705375....539, 543, 546, 685, 999
1705387....522, 525, 539, 543, 546
1705426.....985
1705427.....987
1705429.....983
1705430.....981
1705460....530, 534, 538, 543, 546
1705461.....530, 534
1705489....513, 517, 530, 534
1705490.....995
1705822.....975, 979
1705828.....975, 979
1705836.....991
1705837.....991
1705886.....991
1705895.....977
1705896.....977
1705897.....977
1705898.....977
1705902.....977
1705903.....977
1705905.....977
1705910.....989
1705917.....989
1705921.....975, 979
1705961.....975, 979
1705967.....977, 991
1705968.....981, 991
1705969.....987, 991
1705977....975, 977, 979, 981, 983, 985, 987, 989
1705978.....975, 979
1705980.....992
1706059.....991
1706060.....992

1706061 992
1706062 992
1706063 992
1706064 992
1706098 991
1706385 ..... 611, 621
1706957 59
1706960 59
2030010 ... 659, 675, 677, 680, 685
2060025 ..... 314, 318
2080040 ... 284, 288, 292, 595, 599, 601, 607, 613, 617
2080072 .... 284, 288, 292
2110404 ... 725, 728, 733, 739, 745, 751, 757, 763, 769
2110406 ... 728, 733, 739, 745, 751, 757
2110408 .... 725, 728, 733
2110606 ... 725, 728, 733, 739, 745, 751, 757, 763, 769
2110608 .... 733, 751, 757
2110808 ... 728, 733, 739, 745, 751, 757, 763, 769
2110812 ... 739, 745, 751, 757, 763, 769
2111212 ..... 728, 733
2111616 ... 728, 733, 739, 745, 751, 757, 763, 769
2120209 ..... 65, 67
2120210 ..... 65, 67, 1003
2130406 ... 739, 745, 751, 757, 763, 769
2130604 ... 739, 745, 751, 757, 763, 769
2130606 ... 728, 733, 739, 745, 751, 757, 763, 770
2130808 ... 728, 733, 739, 745, 751, 757, 763, 769
2131616 ... 728, 733, 739, 745, 751, 757, 763, 769
2150406 ... 728, 733, 739, 745, 751, 757, 763, 769
2150606 ..... 763, 770
2151616 ... 728, 733, 739, 745, 751, 757, 763, 769
2170306 ..... 763, 769
2170350 ..... 763, 769
2170408 ... 739, 745, 751, 757, 763, 769
2170504 ... 728, 733, 739, 745, 751, 757, 763, 769
2170506 .... 733, 751, 757
2170706 .... 733, 751, 757
2170804 ..... 763, 769
2180348 ... 303, 305, 446, 452, 485
2180387 51
2180388 51
2180389 51
2180418 ..... 51, 432, 436, 446, 452
2180467 ..... 444, 450
2180832 ... 325, 329, 333, 337, 341, 345, 659, 680
2200222 ... 91, 93, 95, 97, 99, 101
2200233 ... 115, 117, 119, 121
2220237 ... 728, 733, 739, 745, 751, 757, 763, 769
2220238 ... 728, 733, 739, 745, 751, 757, 763, 770
2220252 ..... 263, 265
2220261 ..... 51, 446, 452
2220313 ... 303, 305, 325, 329, 333, 337, 341, 345
2220315 ... 362, 368, 374, 380, 386, 392, 399
2220371 ... 728, 733, 739, 745, 751, 757, 763, 770, 774
2220373 ... 728, 733, 739, 745, 751, 757, 763, 769, 774
2220374 ... 728, 733, 739, 745, 751, 757, 763, 770
2220375 ... 728, 733, 739, 745, 751, 757, 763, 769
2220377 774
2220380 ... 728, 733, 739, 745, 751, 757, 763, 769
2220381 774
2220415 774
2220418 51
2220451 ... 314, 318, 728, 733, 739, 745, 751, 757, 763, 770, 774
2220466 ... 728, 733, 739, 745, 751, 757, 763, 769, 774
2220468 ... 728, 733, 739, 745, 751, 757, 763, 769, 774
2220472 774
2220473 ... 728, 733, 739, 745, 751, 757, 763, 770, 774
2220478 774
2220490 774
2220500 774
2220501 774
2220577 774
2220578 ... 728, 733, 739, 745, 751, 757, 763, 770
2220582 ... 728, 733, 739, 745, 751, 757, 763, 769, 774
2220593 774
2220596 ... 728, 733, 739, 745, 751, 757, 763, 769, 774
2220600 774
2220602 774
2220603 774
2220605 774
2220671 ... 728, 733, 739, 745, 751, 757, 763, 770
2220737 774
2220750 ..... 263, 265
2220765 774
2220800 .... 728, 733, 739, 745, 751, 757, 763, 770
2220816 ..... 485, 487
2220819 ..... 763, 770
2220852 774
2220883 41, 43, 701, 705, 707, 709, 711, 717, 719
2220885 .... 701, 707, 713, 717, 721
2220886 41, 43, 705, 709, 711, 717, 719, 721
2220888 ..... 41, 43
2220899 774
2220940 .... 728, 733, 739, 745, 751, 757, 763, 770
2220947 774
2220950 774
2221024 51
2221034 774
2221036 774
2221037 ..... 263, 265
2221086 774
2221176 .... 303, 305, 432, 436
2221197 ..... 51, 432, 436
2300016 33
2400060 .... 427, 697, 923, 925, 933, 934, 937, 939
2400064 ... 923, 925, 1003
2410014 ..... 611, 621
2420203 ..... 501, 503, 507
2460048 ..... 529, 537
2460051 507
2460055 501
2560136 ..... 627, 631
2560187 ..... 285, 289, 293
2580024 ..... 305, 329, 436
2580062 319
2600209 ..... 272, 276, 280
2600233 ..... 272, 276, 280
2600244 ..... 271, 275, 279
2600281 .... 595, 599, 601, 607, 613, 617
2717235 ..... 763, 770
2720015 .... 362, 368, 380, 386, 392, 399
2720058 .... 303, 305, 446, 450, 485
2720144 51
2720160 ..... 659, 680
2720340 .... 362, 368, 374, 380, 386, 392, 399
2720398 ..... 314, 318
2720545 ..... 263, 265
2750532 .... 303, 305, 326, 330, 333, 337, 341, 345
2751399 .... 728, 734, 740, 746, 752, 758, 764, 769
2751500 .... 728, 734, 740, 746, 752, 758, 764, 769
2752434 .... 729, 734, 740, 746, 752, 758, 764, 769, 775
2752461 775
2752466 ..... 764, 770
2752468 775
2752484 775
2752489 ... 728, 734, 740, 746, 752, 758, 764, 770
2752494 775
2752495 ... 729, 734, 740, 746, 752, 758, 764, 769
2752723 775
2752754 ... 729, 734, 740, 746, 752, 758, 764, 769
2752766 775
2752767 774
2752768 775
2752930 775
2752938 ... 729, 734, 740, 746, 752, 758, 764, 770
2752978 775
2752995 774
2752997 ... 729, 734, 740, 746, 752, 758, 764, 769
2753008 775
2753010 775
2753118 775
2753123 775
2753126 774
2753189 775
2753190 774
2753191 775
2753192 775
2753195 775
2753196 775
2753197 775
2753199 775
2753200 775
2753231 775
2753274 775
2753442 774
2753542 ... 739, 745, 752, 758, 764, 769
2753544 763
2753622 ... 728, 733, 739, 745, 751, 757
2753626 ... 739, 746, 752, 757, 764, 769
2753628 .... 739, 758, 764
2753634 ... 739, 746, 752, 757, 764, 769
2753635 ..... 728, 733
2753656 .... 733, 751, 758
2753686 ... 739, 745, 751, 757
2753688 ..... 728, 733
2753727 ..... 764, 769
2753732 .... 733, 751, 758
2753753 763
2753879 .... 733, 751, 758
2753970 .... 740, 758, 764
2753971 ... 739, 745, 751, 757, 763
2754242 ..... 728, 734
2754243 ..... 728, 734
2754337 ... 728, 733, 739, 745, 751, 757
2754338 ... 739, 745, 752, 757
2754512 .... 740, 758, 764
2754720 .... 745, 752, 769
2754743 .... 745, 752, 769

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

2780229.....31, 37
2792700.....59
2820019.....915
2820031....501, 503, 507, 511, 513, 517, 522, 525, 530, 533, 538, 541, 545, 851, 853
2820035.....427
2820118....851, 853, 855, 857
2820233.....272
2820234.....272
2820235.....272
2820247.....953, 957
2840016.....497, 499
2860012.....501
2860030....139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 1003
2900708.....65, 67
2900756.....33, 35
2900792....703, 705, 707, 709, 711
2902212.....665, 667, 669
2902217.....675, 677, 680
2902396.....1007
2902443....883, 885, 891, 895, 899
2910887.....1006
2915094.....83, 1010
2915228.....1008
2920129.....939
2940045.....284, 288, 292
2940074....595, 599, 601, 607, 613, 617, 1003
2940088.....272, 276, 280
2940173.....285, 289, 292
2940188.....272, 276, 279
3020021.....429
3020029.....83
3020037.....353
3020039.....19, 21, 23
3160347.....31, 41
3160348.....33, 35, 43
3200401....315, 319, 362, 368, 374, 380, 386, 392, 399, 489, 491
3200406.....314, 318
3250872.....57
3251102....501, 503, 507, 511, 513, 517, 521, 525
3251242....807, 809, 811, 813, 815, 817, 819, 821, 823, 991
3251243....501, 507, 522, 525, 539, 543, 546, 973, 977, 983, 985, 989
3251813.....991
3252347.....973
3252507.....511
3252764....529, 533, 537, 541, 545
3271601.....280
3271605... 649, 651, 653, 655, 657
3271801... 362, 368, 374, 380, 386, 392, 399
3271805.87, 89, 611, 621
3272001... 649, 651, 653, 655, 657
3290405... 251, 253, 255, 257, 259, 261, 432, 436, 697, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823
3290505.... 432, 436, 511
3290601... 285, 289, 293, 444, 450, 463, 507, 545
3290605... 140, 144, 148, 152, 156, 160, 164, 168, 172, 176, 180, 184, 188, 192, 196, 200, 204, 208, 212, 216, 220, 224, 228, 232, 236, 240, 444, 450, 659, 680
3290606... 597, 603, 605, 609, 615, 619
3290607... 255, 257, 259, 261, 444, 450
3290801... 380, 386, 392, 399, 432, 436, 444, 450
3290805.... 444, 450, 831
3290806..... 567
3291001.... 444, 450, 567
3291005... 364, 370, 374, 380, 386, 392, 399, 444, 450, 567
3291007..... 499
3291201... 444, 450, 508, 545, 567
3291205..... 567
3300007..... 31, 33, 35
3300151... 593, 597, 603, 605, 607, 609, 615, 617, 619, 675, 677, 680, 685
3300205... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
3300353... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 627, 631
3300364.... 284, 288, 292
3300396... 521, 526, 530, 534, 538, 542, 546
3300408... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 243, 645
3300430..... 671
3300454..... 263, 265
3310401... 362, 368, 380, 386, 392, 399
3310601..... 497, 499
3310605..... 589
3310801..... 569, 571
3310805..... 51
3311001... 271, 272, 275, 276, 279, 280, 419, 421, 423, 425, 530, 534, 538, 542, 546
3311005... 501, 503, 507, 511, 522, 525, 529, 534, 538, 542, 545, 659, 675, 677, 680, 685
3311401 57, 59, 687, 689, 691, 693
3311405... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 247, 249, 263, 265, 267, 271, 275, 279, 284, 288, 292, 295, 297, 303, 306, 309, 311, 314, 318, 325, 329, 333, 337, 341, 345, 349, 351, 353, 355, 357, 359, 362, 368, 374, 380, 386, 392, 399, 432, 436, 439, 441, 493, 495, 513, 517, 569, 571, 573, 575, 589, 623, 625, 673, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823, 831, 861, 863
3311501... 272, 276, 279, 284, 288, 292, 687, 689, 691, 693
3311505 . 31, 33, 35, 115, 117, 119, 121, 123, 125, 271, 275, 279, 285, 289, 293, 314, 318, 362, 368, 374, 380, 386, 392, 399, 533, 541, 545, 573, 575
3311508... 521, 525, 529, 537
3311601... 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 271, 275, 279, 284, 288, 292, 583, 585, 627, 632, 673
3311602..... 583, 585
3311605... 51, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 265, 267, 271, 272, 275, 276, 279, 284, 288, 292, 295, 297, 299, 303, 305, 314, 318, 362, 368, 374, 380, 386, 392, 399, 419, 421, 423, 425, 432, 436, 487, 489, 491, 497, 501, 511, 563, 581, 583, 585, 611, 621, 623, 625, 675, 677, 680, 685
3311705....501, 503, 507, 511
3311801.....33, 303, 305, 349, 351, 353, 355, 357, 359, 503, 513, 517, 522, 525, 529, 533, 538, 541, 569, 571
3311805....314, 318, 439, 441, 489, 491, 497, 499
3312001.....61
3312002.....77, 649, 651, 653, 655, 657
3312005.....665, 667, 669
3312205.....665, 667, 669
3312602....251, 253, 255, 257, 259, 261
3321501.....272, 276, 279
3322201.....87, 89
3340764.....581
3340828.....561
3340835.....553, 555, 561
3340838.....717
3340840.....581
3340859.....583, 585
3340871.....557, 559
3340881.....561
3340941.....581
3340943.....581
3340956.....665, 667, 669
3340966.....27
3380434.....623, 625
3380444.....271, 275, 279
3380535.....587
3420292.....57, 59
3420372.....61
3420447.....61
3421453.....659, 680
3421565.....85
3422417.....25, 27, 29
3422446....303, 305, 325, 329, 333, 337, 341, 345, 432, 436
3422457.....557, 559
3422532....309, 311, 349, 351, 353, 355, 357, 359, 439, 441
3422561.....553, 555
3422583.....553, 555
3422681.....553, 555
3422683.....553, 555
3422684.....553, 555
3422685.....553, 555
3422686.....553, 555
3422687.....553, 555

3422688 ..... 553, 555
3422689 ..... 553, 555
3422690 ..... 557, 559
3422729 ..... 553, 555
3422790 ..... 25, 27, 29
3422848 27
3422860 563
3422861 563
3422867 563
3430616 ..... 627, 632
3430816 ..... 497, 499
3450404 ..... 497, 499
3460334 .... 665, 667, 669
3470003 ..... 628, 632
3520026 631
3520027 631
3520028 .... 501, 503, 507
3520030 .... 285, 289, 292
3520031 ... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
3520034 563
3520035 ... 139, 143, 151, 155, 163, 171, 179, 183, 191, 195, 203, 211, 219, 223, 231, 235, 569, 571, 587
3520054 ... 314, 318, 382, 386, 392, 399, 627, 631
3520071 .... 665, 667, 669
3520072 ... 593, 595, 597, 599, 601, 603, 605, 607, 609, 611, 613, 615, 617, 619, 621
3520189 ..... 530, 534
3520192 ..... 530, 534
3520198 ... 593, 595, 597, 599, 601, 603, 605, 607, 609, 613, 615, 617, 619
3537445 497
3537446 ..... 497, 499
3538047 ..... 19, 21, 23
3538758 581
3539877 19
3570775 717
3570928 ..... 569, 571
3571712 271
3572423 ... 115, 117, 119, 121, 123, 125
3572606 ..... 569, 571
3572607 ..... 569, 571
3573400 ... 675, 677, 680, 685
3573642 ... 675, 677, 680, 685
3574091 ..... 691, 693
3575359 ..... 687, 689
3575874 ..... 263, 265
3576755 ... 115, 117, 119, 121, 123, 125
3576799 ..... 659, 680
3577121 ... 675, 677, 680, 685
3580134 511
3580158 ..... 501, 511
3580276 ..... 501, 503
3580314 545
3580317 ... 513, 517, 522, 525, 530, 533, 538, 541, 545
3580318 ... 522, 525, 538, 541
3580319 ... 513, 517, 530, 533
3580320 ... 362, 368, 513, 522, 530, 538
3580324 507
3600386 .... 263, 265, 267
3641569 ..... 687, 689
3720021 ..... 263, 265
3740049 ... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 1003
3740067 ... 314, 318, 325, 329, 333, 337, 341, 345, 432, 436, 1002, 1003
3740080 ... 314, 318, 501, 503, 507, 511, 545, 1002, 1003
3740086 ..... 959, 1003
3760133 ..... 557, 559
3760170 ..... 61, 85
3790012 ... 432, 436, 627, 631, 643, 647
3790044 ... 309, 311, 349, 351, 353, 355, 357, 359, 439, 441
3820001 ..... 57, 973, 975, 977, 979, 981, 983, 985, 987, 989
3820020 ... 595, 599, 601, 607, 613, 617
3841143 ... 303, 305, 325, 329, 333, 337, 341, 345, 432, 436, 553, 555, 557, 559, 563, 567
3841287 . 19, 21, 23, 553, 555
3841340 65, 67, 563, 583, 585
3841356 ..... 553, 555
3841406 581
3841520 ..... 25, 27, 29
3900054 ..... 611, 621
3900210 ... 284, 285, 288, 289, 292, 293
3900232 ... 271, 272, 275, 279, 280
3900239 ..... 553, 555
3900259 ..... 557, 559
3900262 ..... 583, 585
3900268 ... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
3900283 581
3900293 77
3900316 .... 276, 284, 288, 292
3900349 ..... 627, 631
3900363 ..... 285, 289, 293
3910408 .... 362, 368, 380, 386, 392, 399
3910606 .... 522, 525, 537, 541, 545, 825, 827, 951
3910608 ..... 497, 499
3910610 ..... 793, 795
3910804 .... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
3930606 589
3930816 587
3930820 571
3930824 ..... 569, 571
3931016 .... 521, 525, 529, 533, 537, 541, 545
3931408 671
3931424 265
3931432 .... 362, 368, 374, 380, 386, 392, 399, 569, 571
3931436 ..... 569, 571
3931448 717
3931464 569
3931512 .... 362, 368, 374, 380, 386, 392, 399
3931628 ..... 362, 368
3931644 ..... 444, 450
3931664 717
3952020 77
3960389 .... 271, 275, 279, 284, 288, 292, 303, 305
3960407 ..... 314, 318
3960422 .... 522, 525, 537, 541, 545, 793, 795, 825, 827, 951
3960438 ..... 272, 276, 280
3960453 271
3960462 ..... 272, 276, 280
3960464 ..... 272, 276, 280
3960468 .... 314, 318, 349, 351, 353, 355, 357, 359
3960469 .... 314, 318, 349, 351, 353, 355, 357, 359, 439, 441
3960470 ..... 271, 275, 279
3960526 ..... 31, 33, 35
3980007 ..... 305, 329, 436
3990010 ... 933, 937, 1002
4010608 ..... 659, 680
4010618 .... 597, 603, 605, 609, 615, 619
4031505 663
4031509 ... 251, 253, 255, 257, 259, 261
4031516 673
4031608 511
4031711 ..... 444, 450
4031912 ..... 392, 399
4031914 ... 362, 368, 374, 380, 386
4032014 ..... 362, 368
4032015 ... 513, 521, 529, 538
4060092 795
4060802 ... 501, 503, 507, 511, 513, 517, 521, 525, 529, 533, 537, 541, 545
4060805 ... 314, 318, 362, 368, 374, 380, 386, 392, 399, 446, 452, 569, 571, 581
4070410 .... 271, 275, 279
4070411 .... 271, 275, 279
4070412 .... 271, 275, 279
4070450 61
4070560 61
4070561 61
4070585 501
4070863 ..... 557, 559
4070864 ..... 557, 559
4070878 ..... 19, 21, 23
4070879 ..... 19, 21, 23
4070897 .... 557, 559, 561
4070898 .... 557, 559, 561
4070929 561
4070944 19
4070945 19
4070967 561
4070968 561
4070969 581
4070991 ... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
4071007 561
4071052 581
4071059 27
4071122 ..... 432, 436
4100026 ..... 763, 769
4100062 774
4120035 939
4160139 .... 271, 275, 279
4160143 .... 271, 275, 279
4160194 .... 284, 288, 292
4240017 253
4240018 ... 503, 511, 513, 517, 521, 525, 529, 533, 537, 541, 825, 827, 951
4240032 ... 255, 257, 259, 261, 869, 871, 873, 875, 877
4240033 ... 255, 257, 259, 261, 325, 329, 341, 345, 663, 671, 673

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

4240099....333, 337, 362, 368, 374, 380, 387, 393, 400, 427, 433, 436, 444, 450, 507, 628, 632, 675, 677, 680, 687, 689, 691, 693
4240113....91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113
4240149.....665, 667, 669
4280296.....53, 55
4300157....513, 522, 529, 538
4340706.....561
4340747.....263
4360057....687, 689, 691, 693, 1004
4360070....521, 526, 530, 534, 538, 542, 546, 1002
4360274....203, 207, 211, 215, 1004
4360328.....643, 1004
4360331.....647, 1004
4360336....432, 436, 501, 503, 507, 511, 513, 517, 521, 525, 529, 533, 537, 541, 545, 1004
4360387....163, 167, 171, 175, 203, 207, 211, 215, 627, 631, 1004
4360407...627, 631, 1002
4360436..91, 95, 99, 103, 107, 111, 115, 119, 123, 1004
4360469....139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 1004
4360475....139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 1004
4360476....139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 1002
4360498...569, 571, 1004
4360499...569, 571, 1004
4360517.....87, 89, 1004
4360542....501, 503, 507, 1002
4360578....569, 571, 587, 1004
4400275.....51
4420014.....665, 667, 669
4420037... 675, 677, 680, 685
4420038... 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125
4420051 57, 59, 973, 975, 977, 979, 981, 983, 985, 987, 989
4420060..... 511, 587
4420066.... 665, 667, 669
4460016..... 939
4460019... 883, 885, 887, 889, 896, 900, 903
4460027.... 501, 503, 507
4460042.... 891, 895, 899
4460043... 427, 883, 885, 891, 896, 900, 917, 919, 923
4460049... 687, 689, 691, 693
4460051..... 793, 795
4460071... 522, 525, 538, 541, 545, 641
4460125..... 795
4460134..... 929
4460142... 883, 885, 933, 937
4460183..... 939
4460190.... 501, 503, 507
4460205..... 793, 929
4460224.... 517, 627, 631
4460225.... 913, 915, 939
4460226... 627, 631, 635, 638, 641, 687, 689, 691, 693, 859, 883, 885, 887, 889, 905, 907, 939
4460227... 627, 631, 933, 937, 939
4460233..... 795, 931
4460234... 253, 627, 631, 687, 689, 691, 693, 871, 873, 875, 877
4460247.... 891, 896, 900
4460256..... 925
4460259... 697, 883, 885, 905, 907, 933, 937, 939
4460260... 697, 883, 885, 905, 907, 933, 937, 939
4460265..... 635, 638
4460267..... 939
4460268... 887, 889, 913, 915, 965
4460294..... 517
4460297..... 933, 937
4460312... 883, 885, 905, 907
4460313... 883, 885, 887, 889, 905, 907, 933, 937
4460315..... 793, 795
4460320..... 933, 937
4460321..... 507
4460346... 522, 525, 537, 541, 545, 793
4460374.... 883, 885, 917
4460375..... 883, 885
4460418.... 933, 937, 939
4460419.... 933, 937, 939
4460424... 883, 885, 887, 889, 905, 907, 965
4460425... 521, 526, 530, 534, 538, 542, 546, 687, 689, 691, 693, 825, 827, 951
4460426... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 521, 526, 530, 534, 538, 542, 546
4460428.... 263, 627, 631
4460434.... 933, 937, 939
4460457... 883, 885, 887, 889, 905, 907, 917, 925
4460458... 883, 885, 887, 889, 891, 895, 899, 905, 907, 917, 919, 923, 925
4460460... 883, 885, 887, 889, 905, 907
4460464... 641, 697, 829, 835, 845, 851, 853, 879, 881, 883, 887, 889, 905, 909, 933, 937, 939, 959, 961, 963, 967, 969
4460465... 251, 253, 255, 257, 259, 261, 571, 697, 829, 835, 845, 851, 853, 855, 857, 881, 883, 885, 887, 889, 891, 892, 895, 896, 899, 900, 905, 907, 913, 915, 919, 921, 923, 925, 927, 933, 937, 939, 961, 965, 967, 969
4460466... 663, 697, 829, 851, 853, 855, 857, 881, 887, 889, 891, 895, 896, 899, 900, 933, 937, 939, 955, 959, 961, 963, 965, 967
4460467 1009
4460470... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 627, 631
4460471... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 627, 631
4460473... 851, 853, 855, 857
4460488....139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 255, 257, 259, 261
4460496....139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
4460497....139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
4460508....663, 851, 853, 933, 937, 939
4460509....851, 853, 855, 857
4460510.....1009
4460518.....829
4460526....139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
4460536....933, 937, 939, 969
4460539....883, 885, 887, 889, 895, 899, 905, 907, 939, 965, 967, 969
4460612.....825, 827, 951
4460633.....263, 265
4460634.....939
4460635.....939
4460670.....883, 885, 917
4460701.....931
4460703.....891, 896, 900
4460708.....939
4460722.....427
4460738....887, 889, 905, 907
4460742....917, 919, 923, 925
4460743.....919, 923
4460746.....895, 899
4460748.....895, 899
4460761....627, 631, 933, 937
4460806....811, 813, 815, 817, 933, 937, 939
4460807.....913, 915
4460808.....913, 915
4460865....851, 853, 855, 857
4460866....851, 853, 933, 937, 939
4460868.....933, 937

4460871 ... 883, 885, 887, 889, 905, 907, 933, 937, 939, 965, 967, 969
4460872 ..... 933, 937
4460873 .... 933, 937, 939
4460874 .... 933, 937, 939
4460875 .... 933, 937, 939
4460876 ..... 933, 937
4460877 ..... 933, 937
4460878 ..... 933, 937
4460879 ..... 697, 939
4460880 ... 887, 889, 905, 907
4460884 ... 571, 697, 895, 899, 933, 937, 961, 967
4460887 ... 697, 883, 885, 887, 889, 905, 907, 933, 937, 939
4460888 939
4460891 ... 251, 253, 255, 257, 259, 261, 829, 835, 845, 859, 892, 909, 934, 965, 967, 969
4460894 ... 881, 891, 895, 899, 933, 937, 939
4460897 ... 835, 845, 883, 887, 892, 905, 909, 963, 965, 967
4460899 ... 887, 889, 955, 959, 961
4460905 .... 933, 937, 939
4460910 ..... 571, 953
4460911 .... 934, 937, 955
4460928 829
4460930 .... 891, 895, 899
4460931 .... 887, 889, 963
4460932 ... 697, 879, 891, 896, 900, 909
4460933 ... 829, 933, 937, 939
4460941 ..... 909, 955
4460942 ... 663, 891, 895, 899, 909
4460943 ... 853, 933, 937, 939, 955
4460944 ... 853, 883, 885, 887, 889, 891, 895, 896, 899, 900, 905, 907, 933, 939
4460945 .... 896, 900, 933
4460956 ..... 865, 867
4460957 ..... 865, 867
4460958 ..... 827, 951
4460962 .... 677, 680, 797
4460963 ... 538, 542, 546, 797
4460967 ... 919, 921, 923, 925, 927
4460968 ... 511, 569, 571, 587
4460971 ..... 659, 680
4460979 ... 883, 885, 905, 907
4461005 ..... 883, 885
4461006 ..... 883, 885
4461008 ... 883, 885, 892, 895, 899
4461052 ..... 883, 885
4461053 ..... 883, 885
4461054 ... 883, 885, 895, 899, 909
4461060 ..... 883, 885
4461070 .... 829, 883, 885
4461071 .... 891, 895, 899
4461073 ... 883, 885, 891, 895, 899
4461077 ..... 955, 959
4461095 ... 829, 883, 885, 891
4461157 ... 883, 885, 905, 907
4461196 941
4461198 ..... 805, 941
4461199 943
4461201 ..... 809, 943
4461205 ..... 945, 947
4461244 ..... 813, 945
4461245 ..... 817, 947
4461246 ..... 821, 949
4461249 949
4462641 521
4520253 45
4520256 49
4530028 ... 675, 677, 680, 683
4567139 774
4567757 774
4568119 ... 115, 117, 119, 121, 123, 125
4640261 ..... 57, 59
4640509 ... 705, 707, 709, 711
4640605 .... 703, 705, 711
4640751 ... 362, 368, 374, 380, 387, 393, 400
4640780 774
4640858 701
4640866 ..... 65, 67
4640932 703
4641022 ... 115, 117, 119, 121, 123, 125
4641032 721
4641033 ..... 717, 719
4641122 ..... 45, 47, 49
4641303 ..... 33, 35
4641317 ..... 65, 67
4641435 ..... 569, 571
4711000 ... 419, 421, 423, 425, 503, 530, 534, 538, 542, 546
4711400 65, 67, 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 245, 247, 249, 263, 265, 303, 305, 314, 318, 325, 329, 333, 337, 341, 345, 362, 368, 374, 380, 387, 393, 400, 432, 436, 493, 495, 513, 517, 521, 525, 529, 533, 537, 541, 545, 573, 575, 593, 597, 603, 605, 607, 609, 615, 617, 619, 671, 673, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823, 861, 863
4711500 .. 31, 33, 35, 115, 117, 119, 121, 123, 125, 285, 289, 293, 362, 368, 374, 381, 387, 393, 400, 533, 541, 545, 571, 573, 575
4711600 .... 19, 21, 23, 65, 67, 265, 272, 276, 280, 314, 318, 325, 329, 333, 337, 341, 345, 419, 421, 423, 425, 432, 436, 485, 487, 503, 513, 517, 522, 525, 530, 533, 538, 541, 557, 559, 561, 581, 583, 585, 628, 632, 649, 651, 653, 655, 657, 833, 835, 837, 839, 841, 843, 845, 847, 849
4711700 .... 362, 368, 374, 381, 387, 393, 400, 485, 503, 507
4711800 .... 374, 497, 499, 513, 521, 529, 537, 611, 621
4712000 .... 649, 651, 653, 655, 657, 665, 667, 669
4712200 ..... 665, 667, 669
4740036 61
4740057 77
4740076 ..... 271, 275, 279
4740119 497
4740155 27
4740256 ..... 25, 27, 29
4740274 .... 314, 318, 489, 491
4740362 ..... 623, 625
4740397 .... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 501, 511
4740439 563
4740444 .... 203, 207, 211, 215
4740463 ..... 25, 27, 29
4740472 ..... 19, 21, 23
4740473 ..... 25, 27, 29
4740500 ..... 272, 276, 280
4740518 .... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
4750400 ... 362, 368, 381, 387, 393, 400
4750800 51
4751000 93, 97, 101, 105, 109, 113, 117, 121, 125, 272, 275, 276, 279, 280, 501, 507, 511, 522, 525, 530, 533, 538, 541, 545, 659, 675, 677, 680, 685
4751400 . 53, 57, 59, 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 272, 275, 279, 284, 285, 288, 289, 292, 293, 295, 297, 309, 311, 349, 351, 353, 355, 357, 359, 362, 368, 374, 381, 387, 393, 400, 432, 436, 439, 441, 569, 571, 587, 589, 623, 625, 627, 631, 675, 677, 680, 685, 687, 689, 691, 693, 695, 831
4751500 57, 59, 133, 135, 272, 275, 279, 284, 288, 292, 362, 368, 374, 381, 387, 393, 400, 501, 503, 511, 521, 525, 530, 537, 687, 689, 691, 693
4751600 ... 51, 53, 55, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 255, 257, 259, 261, 267, 272, 276, 279, 280, 284, 288, 292, 295, 297, 299, 303, 305, 314, 318, 325, 329, 333, 337, 341, 345, 363, 369, 374, 381, 387, 393, 400, 432, 436, 489, 491, 501, 511, 675, 677, 680, 685
4751800 87, 89, 115, 117, 119, 121, 123, 125, 263, 265, 303, 305, 349, 351, 353, 355, 357, 359, 439, 441, 611, 621, 687, 689, 691, 693
4752000 ... 303, 305, 325, 329, 333, 337, 341, 345, 432, 436
4760600 ..... 793, 795
4761000 .... 272, 276, 279
4761400 695
4761600 .... 267, 623, 625
4762000 61

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

4770600.....497, 499
4791400....314, 318, 513, 517, 521, 525, 529, 533, 538, 541
4811400....251, 253, 255, 257, 259, 261, 697, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823
4811600.....511
4811700....140, 144, 148, 152, 156, 160, 164, 168, 172, 176, 180, 184, 188, 192, 196, 200, 204, 208, 212, 216, 220, 224, 228, 232, 236, 240, 255, 257, 259, 261, 444, 450, 463, 507, 545, 597, 603, 605, 609, 615, 619, 659, 680
4811702....363, 369, 375, 381, 387, 393, 400, 461
4811900....363, 369, 375, 381, 387, 393, 400, 432, 436, 444, 450, 461, 463, 567, 831
4811902....364, 370, 375, 381, 387, 393, 400, 444, 450, 463
4812000....326, 330, 341, 345, 363, 369, 375, 381, 387, 393, 400, 432, 436, 444, 450, 463, 499, 507, 567
4812002.....444, 450, 455
4812100....325, 329, 333, 337, 341, 345, 363, 369, 375, 381, 387, 393, 400, 463, 549, 567
4812200....314, 318, 363, 369, 375, 381, 387, 393, 400, 489, 491, 507
4843777.....61
4844816.....563
4844817.....563
4844958.....85
4845593.....553, 555
4845680.....583, 585
4845730.....581
4846627....675, 677, 680, 685
4846673.....691, 693
4860225.....45, 47
4871700.....546
4891500....139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 375, 507
4891600 87, 89, 285, 289, 293, 497, 567
4891800..31, 33, 35, 309, 311, 349, 351, 353, 355, 357, 359, 363, 369, 375, 381, 387, 393, 400, 439, 441, 497, 499, 503, 517, 525, 533, 541
4892000.... 31, 33, 35, 83
4892200..... 21, 23
4892600001..... 567
4921829..... 508, 929
4921955..... 931
4922216..... 833
4922217..... 833
4922219..... 835, 837
4922220..... 835, 837
4922576... 833, 835, 837, 841, 843, 845, 849, 855
4922578... 833, 835, 837, 841, 843, 845, 849
4922579..... 835, 845
4922580..... 835, 845
4922641... 501, 504, 508, 511, 526, 530, 533, 539, 541, 547
4922666..... 627, 631
4922925... 530, 533, 538, 541, 545, 915
4923379..... 314, 318
4923445..... 508, 917
4923485..... 839
4923486..... 839
4923487..... 839, 847
4923489.... 839, 847, 857
5240800.... 364, 370, 375
5241000..... 444, 450
5241200... 444, 450, 545, 567
5250605..... 461, 463
5250810..... 364, 370
5251008..... 567
5251010..... 375
5251016..... 567
5251210..... 333, 337
5260600..... 461, 463
5272010..... 446, 450
70000017..... 1009
70000044..... 321
70000123..... 511
70000342..... 565
70000345 . 322, 403, 407, 413
70000619 . 530, 533, 538, 541, 545
70000781..... 31
70000795..... 41
70000797..... 43
70000800..... 322
70000863 . 529, 533, 537, 542, 546
70000912..... 321
70000913..... 321
70000914..... 321
70000915..... 321
70000916..... 321
70000917..... 321
70000918..... 321
70000919..... 321
70001002..... 321
70001100 . 529, 533, 537, 542, 546
70001181..... 322
70001248..... 87
70001384 . 529, 533, 537, 542, 546
70001385..... 529, 537
70001424..... 661
70001425..... 661
70001427..... 661
70001428..... 661
70001429..... 661
70001430..... 661
70001431..... 661, 1002
70001432..... 661, 1004
70001435..... 321
70001663..... 267
70001696 .. 529, 537, 545
70001697..... 565
7000180..... 412
70001835..... 321
70001836..... 321
70001837..... 321
70001841..... 321
70001844..... 322
70001850..... 321
70001866..... 321
70001868..... 321
70001870 . 321, 403, 408, 411
70001871..... 321
70001872..... 322
70001953 .. 529, 537, 546
70001954..... 467
70001955..... 467
70001956..... 467
70001957..... 467
70001966 . 513, 517, 521, 525, 529, 534, 537, 542, 545, 546
70001973 . 529, 534, 537, 542, 546
70001974 . 529, 534, 537, 542, 546
70002013..... 581
70002014..... 581
70002064..... 577, 579
70002066..... 80
70002085..... 80
70002088 .. 529, 537, 546
70002112 . 103, 105, 107, 109, 111, 113, 127, 129
7000213..... 80
7000217..... 80
70002200..... 321
70002212..... 89
70002234..... 321
7000224..... 39
7000228..... 80
7000229..... 80
70002290..... 529, 537
70002291..... 534, 542
70002297 . 529, 533, 537, 542, 546
7000230..... 80
70002373..... 703, 713
70002386 577, 579, 1002
7000239..... 39
70002390..... 31
7000240..... 39
70002415..... 322
70002416..... 322
70002417..... 322
7000246..... 80
70002460..529, 534, 537, 542, 545
7000247..... 80
7000248..... 80
7000253..... 80
7000255..... 80
7000257..... 80
7000265..... 37
70002715..115, 117, 119, 121, 123, 125
70002716..115, 117, 119, 121, 123, 125
70002718...322, 408, 411
70002744.....715
70002745.....715
70002748.....715
70002749.....715
70002751.....715
70002814.....127
7000283..... 39
70002838.....127, 129
70002839.....127, 129
7000284..... 39
70002842.....701
7000289..... 39
70002902.....641
70002903.....641
70002904.....641
70002905.....641
70002948.....263, 265
70003019..... 69
70003136.....321
70003454.....87, 89
70003464.....321
70003465.....321
70003466.....321
70003472.....321
70003475.....321
70003478.....321
70003631...534, 542, 545
70003708..513, 517, 521, 525, 529, 534, 537, 542, 546
70003709..513, 517, 521, 525, 529, 534, 537, 542, 546
70003784.....627, 631
70003790.....577
70003935.....33, 35
70003936.....33, 35
70003989.....137
70003992.....137
70003993.....137
70004020.314, 318, 1002
70004037..... 80
70004040..... 80
70004041..... 80
70004042..... 80
70004043..... 80
70004044..... 80

70004045 80
70004047 80
70004050 ..... 69, 73
70004051 ..... 69, 73
70004052 69
70004055 ..... 69, 73
70004056 321
70004058 ..... 321, 1002
70004060 321
70004092 . 513, 517, 521, 525, 534, 542
70004094 ..... 534, 542
70004098 . 521, 526, 534, 542
70004099 . 517, 525, 534, 542
70004125 137
70004149 . 115, 117, 119, 121, 123, 125
70004169 .. 529, 537, 546
70004171 .. 513, 521, 546
70004183 429
70004184 . 91, 93, 95, 97, 99, 101
70004199 ..... 127, 129
70004272 321
70004276 .. 404, 407, 413
70004277 .. 404, 408, 413
70004279 403
70004280 .. 322, 408, 411
70004282 413
70004287 321
70004289 322
70004329 465
70004331 465
70004332 465
70004333 465
70004336 465
70004337 465
70004338 465
70004340 465
70004342 465
70004343 465
70004344 465
70004345 465
70004346 465
70004347 465
70004348 465
70004349 465
70004350 465
70004351 465
70004352 465
70004381 715
70004382 715
70004457 ..... 69, 73
70004459 ..... 69, 73
70004460 .... 69, 73, 1002
70004461 .. 69, 70, 73, 74
70004463 .... 69, 73, 1002
70004501 412
70004504 ..... 404, 407
70004505 .. 403, 408, 411
70004506 .. 403, 408, 411
70004507 .. 403, 408, 411
70004508 .. 403, 408, 411
70004509 .. 403, 408, 411
70004510 .. 403, 408, 411
70004511 412
70004513 412
70004584 ..... 69, 73
70004594 ..... 69, 73
70004595 .... 69, 73, 1002
70004596 ..... 69, 73
70004597 ..... 69, 73
70004598 ..... 69, 73
70004653 .... 69, 73, 1002
70004657 ..... 69, 73
70004665 ..... 69, 73
70004667 ..... 69, 73
70004670 73
70004671 74
70004673 ..... 74, 1002
70004676 . 513, 517, 521, 525
70004677 513
70004678 . 513, 517, 521, 525
70004679 . 513, 517, 521, 525
70004680 . 513, 517, 521, 525
70004681 ..... 513, 517
70004682 . 513, 517, 521, 526
70004683 ..... 513, 517
70004684 521
70004685 ..... 521, 526
70004686 517
70004687 525
70004738 635
70004739 635
70004740 635
70004741 635
70004742 635
70004743 635
70004744 635
70004745 635
70004746 635
70004747 635
70004748 635
70004749 635
70004750 635
70004751 635
70004752 637
70004753 637
70004754 637
70004755 637
70004756 637
70004757 637
70004758 637
70004759 637
70004760 637
70004761 637
70004762 637
70004763 637
70004764 637
70004765 637
70004766 637
70004767 637
70004768 637
70004769 637
70004770 637
70004771 637
70004772 637
70004773 637
70004774 638
70004775 638
70004795 ..... 127, 129
70005008 . 446, 451, 1003
70005143 ..... 703, 713
70005144 ..... 703, 713
70005171 ..... 403, 408
70005172 ... 403, 408, 411
70005173 ... 403, 408, 411
70005176 ..... 403, 408
70005177 ... 403, 408, 412
70005181 412
70005184 ... 404, 407, 412
70005188 412
70005189 412
70005191 ..... 404, 413
70005194 ..... 69, 73
70005195 ..... 69, 73
70005196 ..... 69, 73
70005197 69
70005198 ..... 69, 73
70005199 ..... 70, 74
70005200 ..... 70, 74
70005201 ..... 70, 74
70005202 ..... 70, 74
70005203 80
70005232 74
70005458 465
70005459 465
70005460 465
70005461 465
70005462 465
70005463 465
70005464 465
70005465 465
70005504 407
70005527 ..... 404, 413
70005594 721
70005647 ..... 404, 413
70005648 . 404, 413, 1003
70005663 1010
70005708 ..... 127, 1002
70005839 721
70005916 322
70005917 322
70005920 ..... 403, 411
70005922 411
70005923 412
70005924 412
70005926 412
70005928 412
70005929 ..... 404, 412
70005931 ... 404, 407, 412
70005932 413
70005933 413
70005934 413
70005938 ..... 408, 411
70005941 ..... 403, 408
70005942 ... 403, 408, 411
70006093 ..... 533, 542
70006094 ..... 534, 542
70006095 .. 534, 537, 542, 1002
70006096 ..... 534, 542
70006097 ..... 534, 542
70006134 461
70006135 461
70006136 461
70006144 ..... 403, 411
70006145 457
70006147 457
70006150 457
70006151 457
70006152 457
70006153 457
70006154 457
70006155 ..... 457, 1003
70006157 457
70006158 457
70006159 457
70006160 457
70006161 457
70006162 457
70006163 457
70006164 457
70006165 457
70006166 457
70006167 457
70006168 457
70006169 457
70006170 457
70006171 ..... 457, 1003
70006172 ..... 457, 1003
70006173 457
70006174 457
70006175 ..... 457, 1003
70006176 ..... 457, 1003
70006177 457
70006178 457
70006179 457
70006180 457
70006181 457
70006182 457
70006183 457
70006184 457
70006185 457
70006186 457
70006187 457
70006188 457
70006189 457
70006191 457
70006194 457
70006195 457
70006196 458
70006197 458
70006198 458
70006199 458
70006200 458
70006202 458
70006203 458
70006205 458
70006206 458
70006207 458
70006208 458
70006213 ..... 458, 1003
70006215 458
70006217 458
70006219 458
70006221 458
70006225 458
70006232 458
70006233 457
70006235 458

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

70006236.....458
70006264.....411
70006265.....411
70006266.....411
70006294.....404
70006304.....80
70006344.....721
70006403.....487
70006404.....487
70006405.....487
70006406.....487
70006407.....487
70006408.....487
70006409.....487
70006410.....487
70006460.446, 451, 1003
70006461.....446, 451
70006552..513, 517, 521, 526
70006553..513, 517, 521, 526, 1003
70006596.....703, 713
70006649.....707
70006650.....707
70006652.....404, 413
70006653.....404, 413
70006669.....717
70006670.....717
70006671.....717
70006672.....717
70006673.....39
70006674.....39
70006675.....39
70006676.....39
70006677.....39
70006678.....39
70006680.....39
70006684.....39
70006685.....39
70006690.....39
70006691.....39
70006692.....39
70006734.....707
70006735.....707
70006736.....707
70006799.....719
70006802.....719
70006832.....39
70006833.....39
70006941.....411
7000695.....322
70006955.....69, 73
70006956.....69, 73, 1002
70006957.....69, 73
70006959.....73
70006960.....73
70006961.....69, 73
70006962.....73
70006963.....74
70007108.....458
70007246.....705, 709
70007277.....711
70007278...705, 709, 711
70007279.....711
70007280.....711
70007282...705, 709, 711
70007283.....711
70007325..... 404, 407
70007326..... 403, 407
70007331..... 404
70007354..... 403, 407
70007355..... 404
70007419..... 711
70007420..... 711
70007421..... 709
70007422..... 705, 709
70007423..... 705, 709
70007424..... 709
70007425..... 709
70007426..... 709
70007427..... 705
70007428..... 705
70007429..... 705
70007430..... 705
70007489..... 404
70007508 . 103, 105, 107, 109, 111, 113
70007514..... 719
70007515..... 719
70007516..... 719
70007517..... 719
70007518..... 719
70007519..... 719
70007520..... 719
70007521..... 719
70007522..... 719
70007603..... 407
70007725..... 129
70007726..... 129
70007727..... 129
70007785..... 471
70007786..... 471
70007787..... 471
70007788..... 471
70007789..... 471
70007790..... 471
70007791..... 471
70007792..... 471
70007793..... 471
70007794..... 471
70007795..... 471
70007796..... 471
70007797..... 471
70007798..... 471
70007799..... 471
70007800..... 471
70007801..... 471
70007802..... 471
70007803..... 407
70007966..... 703
70007967..... 703, 713
70007968..... 703, 713
70007969..... 703, 713
70007981..... 721
70007992..... 713
70008199..... 721
70008200..... 721
70008201..... 721
70008202..... 721
70008203..... 721
70008204..... 721
70008205..... 721
70008206..... 721
70008207..... 721
70008208..... 721
70008209..... 721
70008210..... 721
70008422..... 408
70008538..... 408
70008564..... 407
70009020..... 433, 437
7001928..... 39
70021202..... 74
70022564 . 703, 705, 709, 711, 713
70023370..... 703
70023380..... 705, 709
70023592 363, 369, 1002, 1003
70023593 363, 369, 1002, 1003
70023859..... 69, 73
70023860..... 69, 73
70023862..... 69, 73
7002388..... 721
70024441..... 129
70024484..... 413
70024488..... 411
70024494..... 403, 411
70024502..... 412
70024504..... 407
70024505..... 407
70024507 .. 404, 407, 413
70024509..... 404, 413
70024513 .. 403, 407, 411
70024517..... 403, 411
70024904 .. 403, 408, 411
70024905 .. 403, 408, 411
70024906 .. 403, 408, 411
70024912..... 404, 407
70024915..... 404, 413
70024917..... 404, 413
70024918..... 413
70024920 . 404, 407, 412, 413
70024922..... 404, 413
70024924..... 403, 411
70024925..... 403, 411
70024961..... 403, 411
70025077..... 413
70025082 .. 321, 322, 411
70025084..... 412
70025101..... 412
70025107..... 412
70025109..... 412
70025111..... 403, 411
70025112..... 412
70025115..... 412
70025120..... 404, 413
70025124..... 412
70025130..... 407, 413
70025132..... 413
70025133..... 412
70025135 .. 403, 408, 411
70025139..... 411
70025140..... 403, 411
70025142 .. 404, 407, 412
70025144 .. 403, 408, 411
70025145 .. 403, 408, 411
70025146..... 403, 411
70025148..... 412
70025151.....404, 412
70025152...403, 408, 411
70025153.....403, 1002, 1003
70025154.....403, 411
70025155.....412
70025158.....412
70025161.....404, 1002, 1003
70025164...403, 407, 413
70025175.....412
70025179.....412, 413
70025180.....412
70025181...403, 408, 411
70025182.....404, 412
70025183.....404, 412
70025184.....404, 412
70025185.....412
70025192.....413
70025200.....404, 412
70025203.....412
70025205.....403
70025210.404, 412, 1003
70025212.....404, 413
70025231...403, 407, 413
70025233.....413
70025235.....404, 412
70025239.....403, 412
70025240.....412
70025242.....404, 408
70025477.....413
70025660.....411
70025733.....413
70025752.....322
70025753.....322
70025788.....404
70026210...404, 407, 413
70026287...705, 709, 711
70026995.....413
70027259.....719
70027405.....407
70027432.....408
70027750.....711
70028185.....411
7002821.....1010
7002822.....1009
7002823.....1009
7002826.....1010
7002840.....1009
70028538...404, 412, 413
70028540.....404, 407
70028802.....412
70029407.....407
70029409.....407
70029433.....404
70029451.....403
70029468.....711
70029517.....404, 407
70029520.....404, 407
70029557.....407
70029797.....404
70030097.....408
70030099.....408
70030359.....408
70030360.....407
70030381.....408
70031055.....407

70031095 403
70031136 407
70031138 407
70031143 407
70031144 407
70031388 407
70031474 407
70031475 407
7004275 1010
7004276 1010
7004906 465
7004907 465
7004908 465
70050795 721
7007415 ..... 467, 468
7007437 ..... 41, 43
7007438 ..... 41, 43
7007439 ..... 41, 43
7007446 ..... 41, 43
7007633 80
7010404 37
7010405 37
7010406 37
7010492 80
7010543 ..... 65, 67
7011112 703
7011333 ..... 569, 571
7011342 ..... 569, 571
70124410 322
70124440 322
7012513 ... 501, 503, 507, 511
7012514 ... 501, 503, 507, 511
7012558 .... 501, 503, 507
7012773 ..... 69, 73
7012914 ..... 577, 579
7012918 ..... 577, 579
7012941 ..... 65, 67
7012944 ..... 65, 67, 1002
7012953 ... 573, 575, 577, 579
7012959 ..... 65, 67
7012965 ..... 577, 579
7012967 ..... 577, 579
7012970 ..... 573, 575
7012989 577
7016314 ... 91, 93, 95, 97, 99, 101
7016328 ..... 321, 1002
7016331 ... 321, 403, 408, 411, 1002, 1003
7016652 1009
7016654 1009
7016655 1010
7017023 80
7017028 ..... 39, 80
7017047 39
7017051 37
7017052 37
7017053 37
7017054 37
7017055 37
7017056 37
7017057 37
7017058 37
7017070 80
7017072 80
7017080 80
7017082 39
7017085 80
7017142 565
7017159 565
7017162 565
7017163 565
7017164 565
7017172 565
7017192 565
7017195 565
7017402 ..... 577, 579
7017406 ..... 31, 577, 579
7017452 ..... 577, 579
7017466 ..... 65, 67
7017492 31
7018942 ..... 70, 74
7018951 ..... 70, 74
7018991 ..... 69, 73, 1002
7018992 ..... 69, 73
7019680 .... 501, 503, 507
7020064 ..... 583, 585
7020065 ..... 583, 585
7020066 ..... 583, 585
7020067 ..... 583, 585
7020108 ... 501, 503, 507, 511
7020109 ... 501, 503, 507, 511
7020110 ... 501, 503, 507, 511
7020111 ... 501, 503, 507, 511
7020175 ... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
7020176 ... 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 1002
7020190 ... 501, 503, 507, 511
7020403 321
7020408 321
7020465 ... 321, 403, 408, 411
7020468 321
7020471 322
7020479 321
7020492 ..... 407, 412
7021249 ..... 41, 43
7021275 ..... 41, 43, 468
7021276 43
7021277 ..... 41, 43
7021375 ..... 69, 70, 73
7021625 ..... 31, 33, 35
7021639 ..... 33, 35
7021653 577
7022162 457
7022302 ..... 41, 43
7022305 ..... 41, 43
7022310 43
7022311 ..... 41, 43, 468
7022312 43
7022313 41
7022314 ..... 41, 43, 468
7022318 467
7022326 ..... 41, 43
7022328 ..... 41, 43
7022368 ..... 41, 43
7022371 ..... 41, 43
7022372 43
7022397 ..... 31, 33, 35
7022399 ..... 31, 33, 35
7023907 43
7023908 43
7023910 ..... 41, 43
7023911 ..... 577, 579
7023912 ..... 577, 579
7023917 ..... 33, 35
7023933 ..... 31, 33, 35
7023947 467
7023948 467
7023949 467
7023950 467
7023951 467
7023952 467
7023956 467
7023957 467
7023958 467
7023960 467
7023961 467
7023962 467
7023964 ..... 467, 468
7023965 467
7023966 468
7023967 468
7024021 ..... 69, 73
7024100 80
7024149 39
7024151 39
7024154 39
7024190 39
7024191 39
7024404 ..... 87, 89
7024441 127
7024462 683
7024463 683
7024467 683
7024469 ..... 683, 1004
7024470 683
7024471 ..... 661, 683
7024472 683
7024473 683
7024474 683
7024475 683
7024478 683
7024484 ..... 529, 537
7024485 .... 529, 537, 545, 1002
7024488 .... 530, 533, 538, 541, 545
7024489 .... 530, 533, 538, 541, 545
7024508 ..... 717, 719
7024530 661
7024531 661
7024532 661
7024533 661
7024534 661
7024535 661
7024536 661
7024537 661
7024561 ..... 529, 537
7024579 ... 322, 403, 408, 411
7024598 ..... 497, 499
7024704 80
7024762 80
7024763 80
7024782 39
7024784 80
7024844 31
7024854 43
7024862 41
7024864 468
7024866 468
7024867 ..... 41, 467
7024868 ..... 43, 467
7024871 41
7024881 ..... 31, 33, 35
7026188 .... 529, 537, 545
7026197 ..... 87, 89
7026199 .... 501, 503, 507
7026503 ..... 87, 89
7026504 ..... 87, 89
7026505 ..... 87, 89
7026506 ..... 87, 89
7026507 ..... 87, 89
7026509 ..... 87, 89
7026597 ... 529, 534, 537, 542, 545
7026626 ... 529, 534, 537, 542, 546
7026632 267
7026633 267
7026634 267
7026635 267
7026636 267
7026637 267
7026638 ..... 267, 1004
7026639 267
7026640 267
7026641 268
7026642 268
7026643 268
7026644 268
7026645 268
7026646 268
7026647 268
7026648 268
7026649 268
7026650 268
7026651 267
7026652 267
7026653 267
7026654 267
7026655 267
7026656 267
7026658 268
7026659 267
7026660 267
7026661 267

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

7027053.....303, 305
7027084....325, 329, 333, 337, 342, 432, 437
7027085....325, 329, 333, 337, 342, 432, 437
7027086....325, 330, 333, 337, 342, 432, 437
7027087....325, 330, 333, 337, 342
7027088....325, 330, 333, 337, 342, 432, 437
7027092.....303, 305
7027093.....303, 305
7027094.....303, 305
7027095.....303, 305
7027236.....321
7027276.....321
7027404.....458
7027740.....41
7027741.....41
7027773.....683
7027774.....683
7027775.....683
7027776.....683
7027777.....683
7027778.....683
7027779.....683
7027780.....683
7027781.....263, 265
7027782.....263, 265
7027783.....263, 265
7027784.....263, 265
7027790..... 321
7027791..... 321
7027792..... 321
7027795..... 322, 1002
7027796..... 322
7027799... 529, 534, 537, 542, 545
7027887... 501, 503, 507, 511
77143013. 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239
77363233..... 913, 915
80344004..... 39
80484084.. 891, 895, 899
80934561..... 87, 89
80983191. 891, 896, 900, 1002, 1003
8220051..... 909
8220115..... 891
8220164..... 896, 903
8229242... 891, 896, 900, 933, 937, 1002, 1003
8229249.. 697, 939, 1003
8270147... 303, 305, 325, 329, 333, 337, 342, 432, 437
8273291..... 446, 451
8305401..... 444, 450
8307109..... 444, 450
8310070.... 284, 288, 292
8310129.... 665, 667, 669
8310548..... 444, 450
83304173..... 127, 129
8405006... 325, 329, 333, 337, 341, 345, 419, 421, 423, 425, 444, 450, 487
8405007... 363, 369, 375, 381, 387, 393, 400
8405009... 363, 369, 375, 381, 387, 393, 400, 444, 451
8405102..... 444, 451
8405104... 363, 369, 375, 381, 387, 393, 400, 444, 451
8405203..... 444, 451
8405204..... 375
8406102... 326, 330, 333, 337, 341, 345, 363, 369, 381, 387, 393, 400
8406109... 363, 369, 375, 381, 387, 393, 400, 445, 451
8406110... 363, 369, 375, 381, 387, 393, 400
8406201... 265, 375, 433, 437, 446, 452
8410001..... 445, 451
8410009.....446, 452
8410011....363, 369, 375, 381, 387, 393, 400, 445, 451
8410013....325, 329, 333, 337, 341, 345, 363, 369, 375, 381, 387, 393, 400
85031405.....375
8580420.....53
85941018.....432, 436
8770050....728, 733, 739, 745, 751, 757, 763, 770
88261024.....573, 575
88261039.....276
88411013.....831
88521008.....569, 571
88521205.....133, 135
88521214..649, 651, 653, 655, 657
88662523...284, 288, 292
8896941.....1010
91143177.....774
91203039..567, 569, 571, 581
91401281.....133
91403102..363, 370, 382, 387, 393, 400, 1002, 1003
91474405.....74



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