Illustrated Parts Manual

Models
400SC
460SJC

PVC
2107

P/N
31217488
July 15, 2023 - Rev B

ANSI

CE

UK
CA

AS/NZS

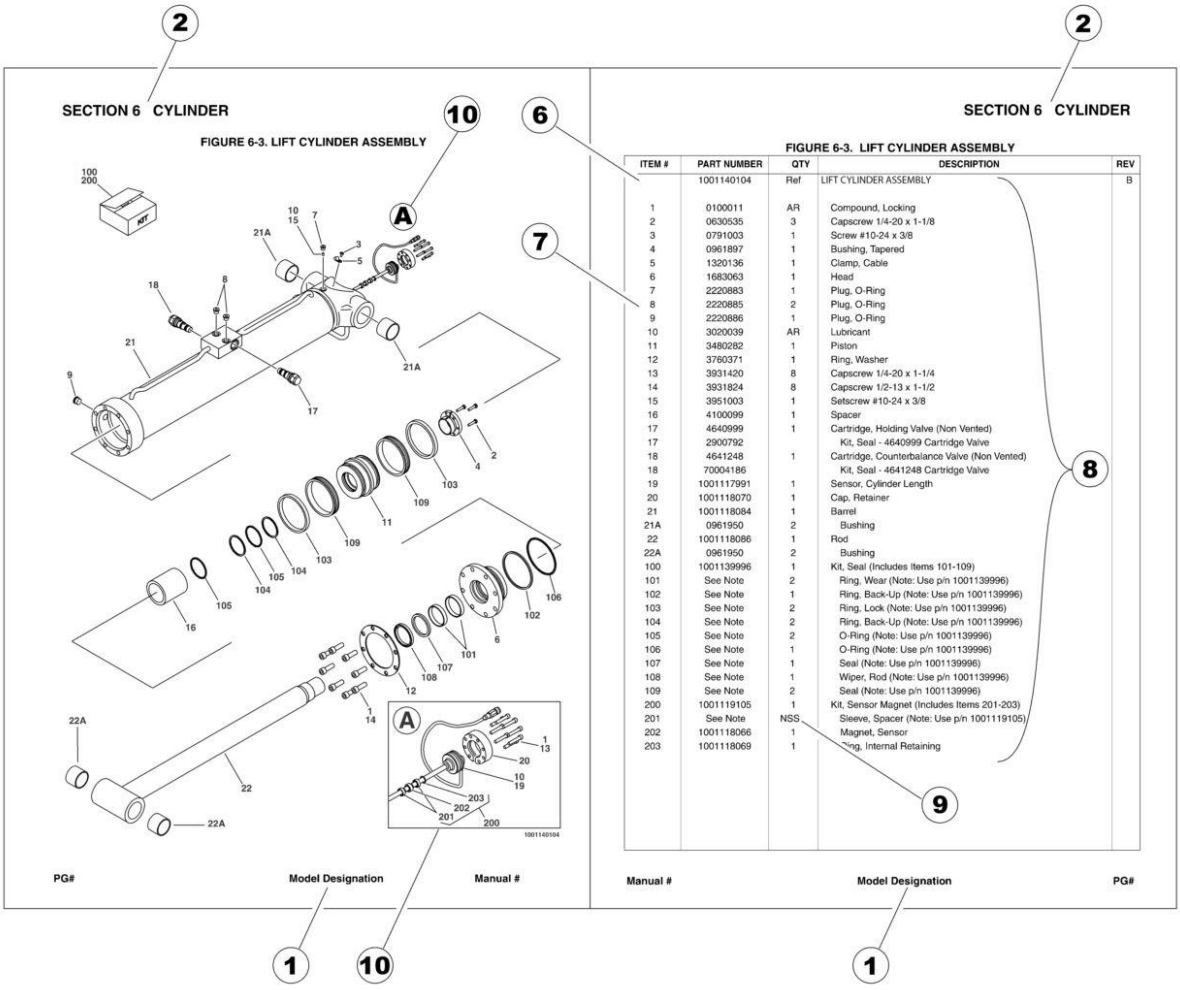
An Oshkosh Corporation Company

REVISION LOG

July 1, 2021 - A - Original Issue of Manual (Edited to B/M 1001260401 Revision P)

July 15, 2023 - B - Revised Manual (Edited to B/M 1001260401 Revision P)

GENERAL INFORMATION



1) MACHINE IDENTIFICATION

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

2) PARTS MANUAL ORGANIZATION

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

3) TABLE OF CONTENTS (NOT SHOWN)

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

4) RECOMMENDED SPARE PARTS (NOT SHOWN)

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

5) PART NUMBER INDEX (NOT SHOWN)

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

GENERAL INFORMATION

6) NON-SERVICED PARTS

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

7) PARTS LIST ITEM NUMBERS

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

8) INDENTED PARTS DESCRIPTION

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

9) ABBREVIATION AND SYMBOLS

AC..... Alternating Current
ADE.....Advanced Design Electronics
AG.....Agricultural
ANSI.....American National Standards Institute
AR.....As Required
ASSY..... Assembly
AUS.....Australia
AUX.....Auxiliary
AWG.....American Wire Gauge
B/M.....Bill of Material
CAC.....Charge Air Cooler
CE.....European Conformity
CCW.....Counter Clockwise
CM.....Centimeter
CW.....Clockwise
CSA.....Canadian Standards Association
CYL.....Cylinder
DIA.....Diameter
DC.....Direct Current
DEF.....Diesel Exhaust 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 13

FIGURE 1-1. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS 14
FIGURE 1-2. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS (NON-MARKING TRACKS) 16
FIGURE 1-3. FRAME UNDERCARRIAGE STEEL TRACKS WITH PADS 18
FIGURE 1-4. UNDERCARRIAGE ASSEMBLY - WITH STEEL TRACKS 20
FIGURE 1-5. TRACK ASSEMBLY - STEEL 22
FIGURE 1-6. DRIVE HUB ASSEMBLY 24
FIGURE 1-7. DRIVE MOTOR ASSEMBLY 26

SECTION 2 - TURNTABLE 29

FIGURE 2-1. CONTROL VALVES INSTALLATION - 400SC 30
FIGURE 2-2. CONTROL VALVES INSTALLATION - 460SJC 32
FIGURE 2-3. MAIN VALVE ASSEMBLY - 400SC 34
FIGURE 2-4. MAIN VALVE ASSEMBLY - 460SJC 38
FIGURE 2-5. AXLE VALVE ASSEMBLY 42
FIGURE 2-6. ELECTRICAL INSTALLATION - 400SC 44
FIGURE 2-7. ELECTRICAL INSTALLATION - 400SC WITH DEUTZ (STAGE V) ENGINE 46
FIGURE 2-8. ELECTRICAL INSTALLATION - 460SJC 48
FIGURE 2-9. ELECTRICAL INSTALLATION - 460SJC WITH DEUTZ (STAGE V) ENGINE 50
FIGURE 2-10. GROUND CONTROL ASSEMBLY - 400SC 52
FIGURE 2-11. GROUND CONTROL ASSEMBLY - 400SC WITH DEUTZ (STAGE V) ENGINE 54
FIGURE 2-12. GROUND CONTROL ASSEMBLY - 460SJC 56
FIGURE 2-13. GROUND CONTROL ASSEMBLY - 460SJC WITH DEUTZ (STAGE V) ENGINE 58
FIGURE 2-14. GROUND CONTROL PANEL MOUNTING - 400SC 60
FIGURE 2-15. GROUND CONTROL PANEL MOUNTING - 460SJC 62
FIGURE 2-16. GROUND CONTROL PANEL MOUNTING - 400SC/460SJC WITH DEUTZ (STAGE V) ENGINE 64
FIGURE 2-17. ELECTRICAL PANEL ASSEMBLY 66
FIGURE 2-18. AUXILIARY PUMP AND BATTERY INSTALLATION (WITHOUT DISCONNECT) 68
FIGURE 2-19. AUXILIARY PUMP AND BATTERY INSTALLATION (WITH DISCONNECT) 70
FIGURE 2-20. AUXILIARY PUMP ASSEMBLY 72
FIGURE 2-21. BEACON LIGHT INSTALLATION - AMBER 74
FIGURE 2-22. BEACON LIGHT INSTALLATION - BLUE 76
FIGURE 2-23. BEACON LIGHT INSTALLATION - RED 78
FIGURE 2-24. BEARING LUBE INSTALLATION 80
FIGURE 2-25. HOOD INSTALLATION 82
FIGURE 2-26. STEEL HOOD INSTALLATION (ANSI EXPORT SPECS) 86
FIGURE 2-27. HOOD ASSEMBLY - ENGINE SIDE 90
FIGURE 2-28. HOOD ASSEMBLY - TANK SIDE 92
FIGURE 2-29. STEEL HOOD ASSEMBLY - ENGINE SIDE 94
FIGURE 2-30. STEEL HOOD ASSEMBLY - TANK SIDE 96
FIGURE 2-31. KEYSWITCH AND PANEL DECAL INSTALLATION - 400SC 98
FIGURE 2-32. KEYSWITCH AND PANEL DECAL INSTALLATION - 400SC (CE & UK CA (LRC) SPEC) 100
FIGURE 2-33. KEYSWITCH AND PANEL DECAL INSTALLATION - 400SC WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC) 102
FIGURE 2-34. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJC 104
FIGURE 2-35. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJC (CE & UK CA (LRC) SPEC) 106
FIGURE 2-36. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJC WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC) 108
FIGURE 2-37. LIGHT PANEL INSTALLATION 110
FIGURE 2-38. ROTARY COUPLING INSTALLATION 112
FIGURE 2-39. SOUND REDUCTION INSTALLATION - WITH STEEL HOODS (OPTIONAL) 114
FIGURE 2-40. SWING DRIVE INSTALLATION 116
FIGURE 2-41. SWING HUB/MOTOR ASSEMBLY 118
FIGURE 2-42. TANKS INSTALLATION 122
FIGURE 2-43. TURNTABLE BEARING INSTALLATION 124
FIGURE 2-44. TURNTABLE COVERS INSTALLATION 126
FIGURE 2-45. TURNTABLE LOCK INSTALLATION 128
FIGURE 2-46. WHITE NOISE ALARM INSTALLATION 130

SECTION 3 - ENGINE 133

FIGURE 3-1. ENGINE INSTALLATION (DEUTZ D2011) (ANSI EXPORT SPECS) 134
FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY (DEUTZ D2011) (ANSI EXPORT SPECS) 138
FIGURE 3-3. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (ANSI EXPORT SPECS) 140

TABLE OF CONTENTS

FIGURE 3-4. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS) 144
FIGURE 3-5. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS) 150
FIGURE 3-6. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPEC) 152
FIGURE 3-7. ENGINE COMPONENTS - DEUTZ D2011 (ANSI EXPORT SPECS) 156
FIGURE 3-8. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, CSA AND ANSI EXPORT SPECS) 160
FIGURE 3-9. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS) 166
FIGURE 3-10. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS) 168
FIGURE 3-11. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS) 174
FIGURE 3-12. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS) 180
FIGURE 3-13. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS) 182
FIGURE 3-14. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS) 188
FIGURE 3-15. ENGINE INSTALLATION - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS) 192
FIGURE 3-16. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS) 198
FIGURE 3-17. ENGINE ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS) 200
FIGURE 3-18. ENGINE COMPONENTS - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS) 206
FIGURE 3-19. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITHOUT GENERATOR) 210
FIGURE 3-20. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITH GENERATOR) 212
FIGURE 3-21. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE) 214
FIGURE 3-22. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 (STAGE V) ENGINE) 216
FIGURE 3-23. GEAR PUMP ASSEMBLY 218
FIGURE 3-24. PISTON PUMP ASSEMBLY (FRONT) 220
FIGURE 3-25. PISTON PUMP ASSEMBLY (REAR) 224
FIGURE 3-26. PUMP COUPLING KIT 228
FIGURE 3-27. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE 230
FIGURE 3-28. ENGINE BAFFLE INSTALLATION 232
FIGURE 3-29. ENGINE BAFFLE INSTALLATION - STEEL 234
FIGURE 3-30. ENGINE TRAY JACK 236
FIGURE 3-31. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC) 238
FIGURE 3-32. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS) 242
FIGURE 3-33. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC) 246
FIGURE 3-34. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT, CE & UK CA (LRC) SPECS) 250
FIGURE 3-35. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS) 254
FIGURE 3-36. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ (STAGE V) ENGINE) (CE & UK CA SPEC) 258
FIGURE 3-37. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS) 262
FIGURE 3-38. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS) 266
FIGURE 3-39. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS) 270
FIGURE 3-40. OIL COOLER INSTALLATION - DEUTZ D2011 ENGINES (ANSI EXPORT, CE & UK CA (LRC) SPECS) 274
FIGURE 3-41. OIL COOLER INSTALLATION - DEUTZ D2.9L4 ENGINES/DEUTZ D2.9L4 (STAGE V) ENGINES (ANSI, ANSI EXPORT, CE, CSA, JAPAN & UK CA SPECS) 276
FIGURE 3-42. SPARK ARRESTOR INSTALLATION - ANSI EXPORT SPECS 278

SECTION 4 - BOOM 281

FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION - 400SC 282
FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION - 460SJC 284
FIGURE 4-3. MAIN BOOM ASSEMBLY - 400SC 286
FIGURE 4-4. MAIN BOOM ASSEMBLY - 460SJC 288
FIGURE 4-5. JIB BOOM ASSEMBLY - 460SJC 290
FIGURE 4-6. ROTATOR ASSEMBLY - 400SC 292
FIGURE 4-7. ROTATOR ASSEMBLY - 460SJC 294
FIGURE 4-8. BOOM REST INSTALLATION 296
FIGURE 4-9. CAPACITY SWITCH INSTALLATION 298

FIGURE 4-10. PLATFORM SUPPORT INSTALLATION - WITH 1 CELL LSS 300
FIGURE 4-11. POWER TRACK INSTALLATION 302
FIGURE 4-12. TRANSPORT SWITCHES INSTALLATION 304

SECTION 5 - PLATFORM 307

FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 3FT (76CM X .91M) - DROP BAR ENTRY 308
FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) WITH SWING GATE 310
FIGURE 5-3. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE 312
FIGURE 5-4. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE 314
FIGURE 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) WITH DROP BAR 316
FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR 318
FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR 320
FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE 322
FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROPBAR 324
FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPBAR 326
FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPGATE 328
FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS) 330
FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS) 332
FIGURE 5-14. CONSOLE BOX INSTALLATION 334
FIGURE 5-15. CONSOLE BOX ASSEMBLY 336
FIGURE 5-16. CONTROLLER ASSEMBLY (DRIVE AND STEER) 340
FIGURE 5-17. CONTROLLER ASSEMBLY (LIFT AND SWING) 342
FIGURE 5-18. FOOTSWITCH ASSEMBLY 346
FIGURE 5-19. LIGHT PANEL INSTALLATION 348
FIGURE 5-20. PIPE RACK INSTALLATION 350
FIGURE 5-21. SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM (OPTIONAL) 352
FIGURE 5-22. SKYGUARD SYSTEM INSTALLATION 354
FIGURE 5-23. SKYGLAZIER INSTALLATION 356
FIGURE 5-24. SKYWELDER INSTALLATION (50HZ) 358
FIGURE 5-25. SKYWELDER INSTALLATION (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS) 360
FIGURE 5-26. SKYWELDER PREP PACKAGE (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS) 362
FIGURE 5-27. WELDER ASSEMBLY 364
FIGURE 5-28. SKYEYE INSTALLATION 366
FIGURE 5-29. SKYLINE INSTALLATION 368
FIGURE 5-30. SKYSENSE MID TUBE SENSOR ASSEMBLY 370
FIGURE 5-31. SKYSENSE OVERHEAD SENSOR ASSEMBLY 372
FIGURE 5-32. TRAY INSTALLATION 374
FIGURE 5-33. USB CHARGER INSTALLATION 376

SECTION 6 - CYLINDER 379

FIGURE 6-1. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY 380
FIGURE 6-2. LIFT CYLINDER ASSEMBLY - MAIN BOOM 382
FIGURE 6-3. LIFT CYLINDER ASSEMBLY - JIB - 460SJC 384
FIGURE 6-4. MASTER CYLINDER ASSEMBLY 386
FIGURE 6-5. TELESCOPE CYLINDER ASSEMBLY 388

SECTION 7 - HYDRAULIC 391

FIGURE 7-1. HYDRAULIC DIAGRAM - 400SC 392
FIGURE 7-2. HYDRAULIC DIAGRAM - 460SJC 400

SECTION 8 - ELECTRICAL 409

FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT, AND CSA SPECS) 410
FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR) 412
FIGURE 8-3. AC BOX AT PLATFORM - 110V IEC YELLOW (CE & UK CA SPEC WITHOUT GENERATOR) 414
FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR) 416
FIGURE 8-5. AC BOX AT PLATFORM - 220V IEC BLUE (CE & UK CA SPEC WITHOUT GENERATOR) 418
FIGURE 8-6. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPEC WITHOUT GENERATOR) 420

TABLE OF CONTENTS

FIGURE 8-7. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPEC WITHOUT GENERATOR) 422
FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR) 424
FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR) 426
FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR) 428
FIGURE 8-11. AC BOX AT PLATFORM - 220V AFSINT107 (CE & UK CA SPEC WITHOUT GENERATOR) 430
FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS (ANSI EXPORT AND CE & UK CA SPECS) 432
FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS) 434
FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS) 436
FIGURE 8-15. AC CABLE INSTALLATION - WITH THREE BREAKERS (CE & UK CA SPECS) 438
FIGURE 8-16. BATTERY DISCONNECT SWITCH 440
FIGURE 8-17. BEACON HARNESS 442
FIGURE 8-18. BOOM HARNESS - 400SC 444
FIGURE 8-19. BOOM HARNESS - 460SJC 446
FIGURE 8-20. BOOM CAPACITY PROXIMITY SWITCH HARNESS 448
FIGURE 8-21. BOOM TELE IN PROXIMITY SWITCH HARNESS 450
FIGURE 8-22. BREAKER BOX INSTALLATION - 16AMP BREAKER (CE & UK CA SPEC) 452
FIGURE 8-23. BREAKER BOX KIT - 16AMP BREAKER 454
FIGURE 8-24. BREAKER BOX KIT - 30MA/16 AMP 456
FIGURE 8-25. BREAKER BOX KIT WITH THREE BREAKERS 458
FIGURE 8-26. CABLES AND CLAMPS INSTALLATION - 400SC WITHOUT GENERATOR 460
FIGURE 8-27. CABLES AND CLAMPS INSTALLATION - 400SC WITH 4000W-50HZ GENERATOR 462
FIGURE 8-28. CABLES AND CLAMPS INSTALLATION - 400SC WITH 4000W-60HZ GENERATOR 464
FIGURE 8-29. CABLES AND CLAMPS INSTALLATION - 400SC WITH 7500W GENERATOR 466
FIGURE 8-30. CABLES AND CLAMPS INSTALLATION - 460SJC WITHOUT GENERATOR 468
FIGURE 8-31. CABLES AND CLAMPS INSTALLATION - 460SJC WITH 4000W GENERATOR 50HZ 470
FIGURE 8-32. CABLES AND CLAMPS INSTALLATION - 460SJC WITH 4000W GENERATOR 60HZ 472
FIGURE 8-33. CABLES AND CLAMPS INSTALLATION - 460SJC WITH 7500W GENERATOR 474
FIGURE 8-34. ENGINE HARNESS - DEUTZ D2011 476
FIGURE 8-35. ENGINE HARNESS - DEUTZ D2.9L4 478
FIGURE 8-36. ENGINE HARNESS – DEUTZ D2.9L4 (STAGE V) ENGINE 482
FIGURE 8-37. FUEL HARNESS - DEUTZ D2.9L4 ENGINE 486
FIGURE 8-38. GROUND CONTROL BOX HARNESS 488
FIGURE 8-39. GENERATOR HARNESS - 4000W GENERATOR 490
FIGURE 8-40. GENERATOR HARNESS - 2500W GENERATOR (60HZ) 492
FIGURE 8-41. INTERFACE HARNESS - WITH 1 CELL LSS 494
FIGURE 8-42. LEFT DRIVE HARNESS 496
FIGURE 8-43. PLATFORM CONSOLE BOX HARNESS 498
FIGURE 8-44. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC) 502
FIGURE 8-45. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC) 504
FIGURE 8-46. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN (CE & UK CA SPEC) 506
FIGURE 8-47. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN (CE & UK CA SPEC) 508
FIGURE 8-48. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC) 510
FIGURE 8-49. TURNTABLE HARNESS 512
FIGURE 8-50. VALVE HARNESS - MAIN VALVE 516
FIGURE 8-51. SKYLINE HARNESS 518
FIGURE 8-52. SKYEYE INTERMEDIATE HARNESS 520
FIGURE 8-53. SKYEYE RECEIVER HARNESS 522
FIGURE 8-54. SKYEYE EMITTER HARNESS 524

SECTION 9 - DECALS 527

FIGURE 9-1. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS - 400SC 528
FIGURE 9-2. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS - 460SJC 530
FIGURE 9-3. DECAL INSTALLATION - CE & UK CA SPEC - 400SC 532
FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPEC - 460SJC 534
FIGURE 9-5. DECAL INSTALLATION - CSA SPEC - 400SC 536
FIGURE 9-6. DECAL INSTALLATION - CSA SPEC - 460SJC 538
FIGURE 9-7. DECAL INSTALLATION - ANSI EXPORT - 400SC (JAPANESE SPECS) 540
FIGURE 9-8. DECAL INSTALLATION - ANSI EXPORT - 460SJC (JAPANESE SPECS) 542
FIGURE 9-9. DECAL INSTALLATION - ANSI EXPORT SPEC - 400SC (KOREAN SPECS) 544

TABLE OF CONTENTS

FIGURE 9-10. DECAL INSTALLATION - ANSI EXPORT SPEC - 460SJC (KOREAN SPECS) 546
FIGURE 9-11. DECAL INSTALLATION - OPTIONS 548
FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 50HZ (ANSI EXPORT SPECS) 552
FIGURE 9-13. SKYWELDER DECAL INSTALLATION - 60HZ (ANSI EXPORT SPECS) 554

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK 557

FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK 558

SECTION 11 - SPECIAL OPTIONS 561

FIGURE 11-1. SPECIAL OPTIONS/ACCESSORIES/KITS 562

PART NUMBER INDEX 565

SECTION 1 - FRAME

SECTION 1 - FRAME

FIGURE 1-1. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS

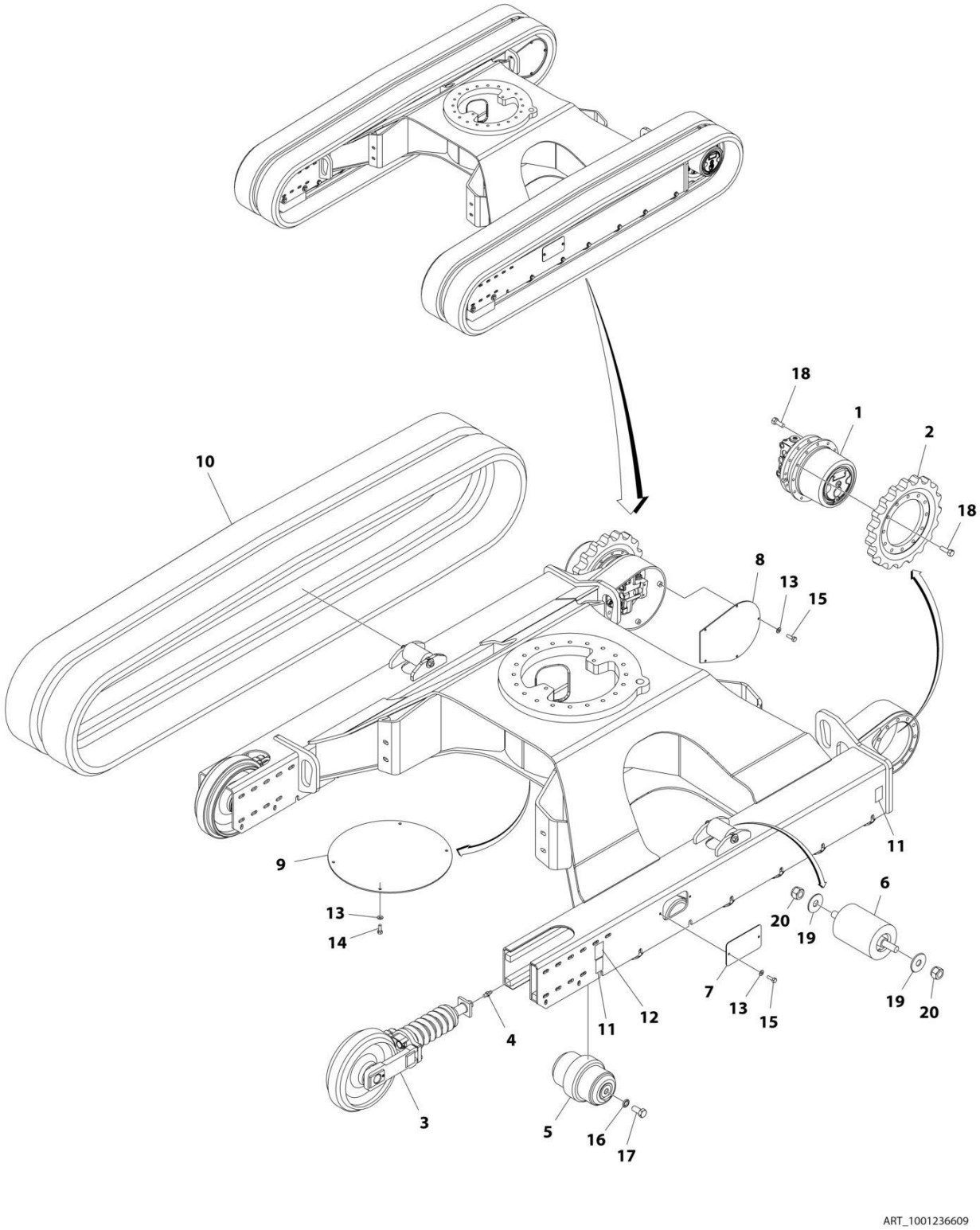


FIGURE 1-1. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS

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

SECTION 1 - FRAME

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

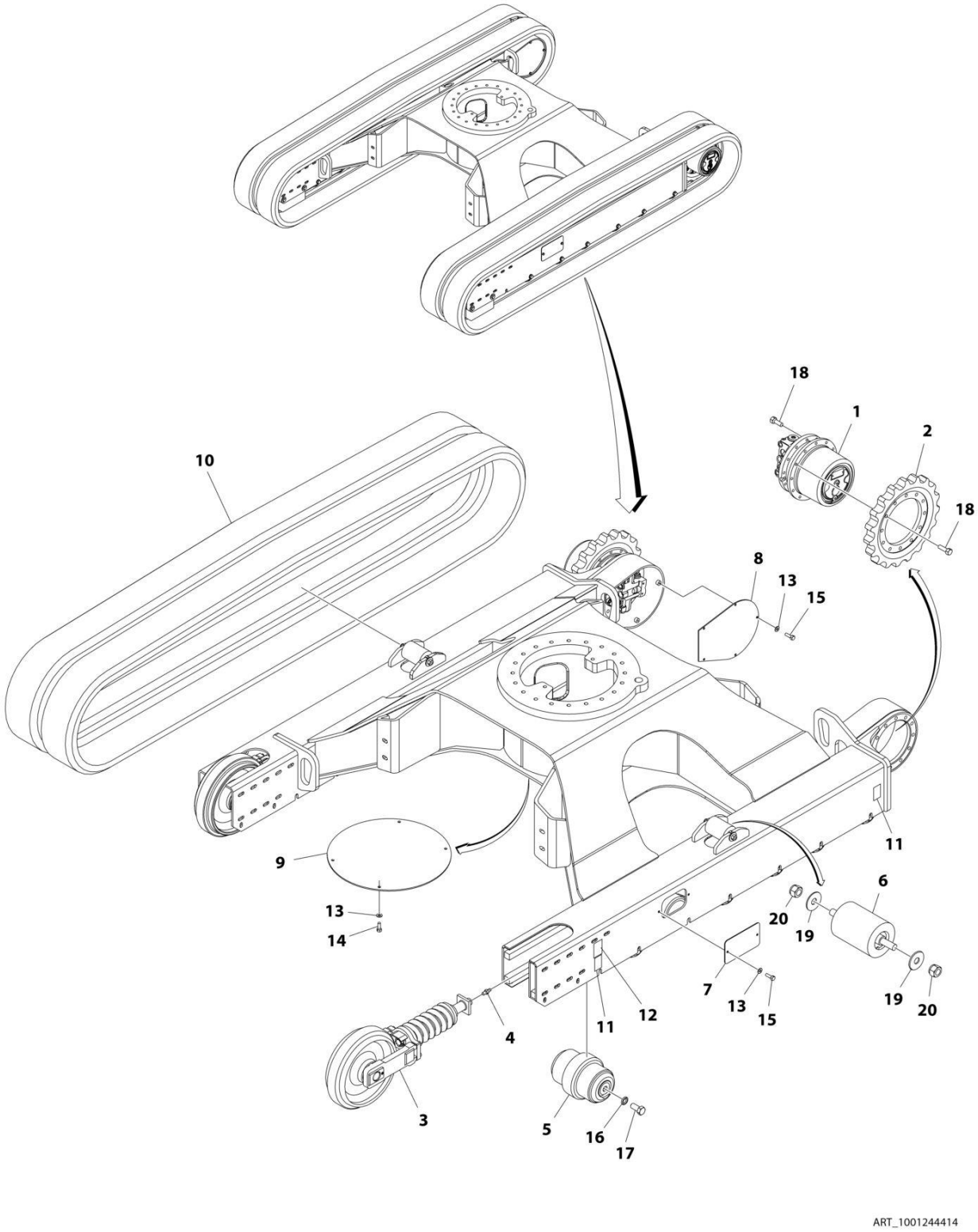


FIGURE 1-2. UNDERCARRIAGE ASSEMBLY - WITH RUBBER TRACKS (NON-MARKING TRACKS)

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

FIGURE 1-3. FRAME UNDERCARRIAGE STEEL TRACKS WITH PADS

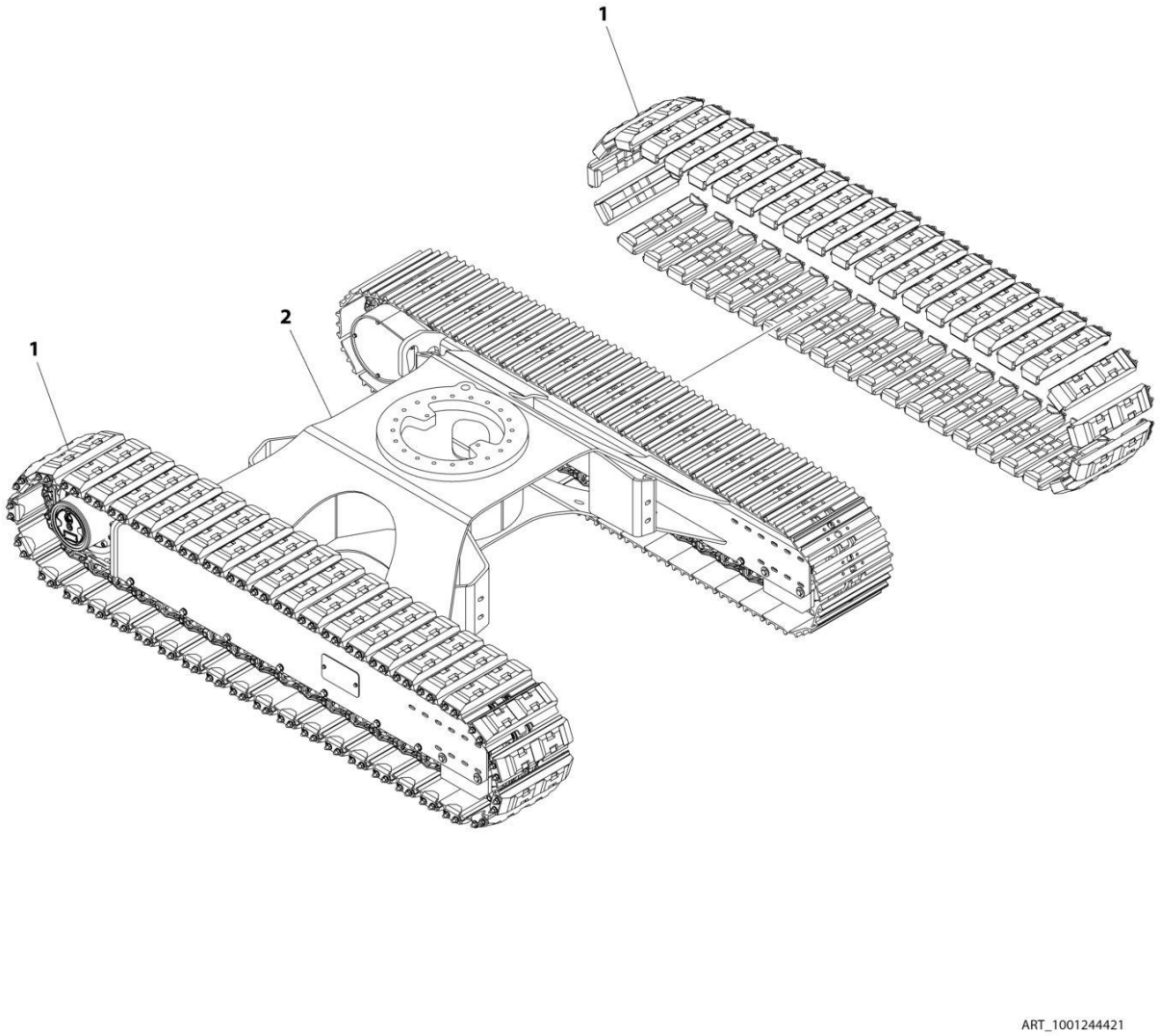


FIGURE 1-3. FRAME UNDERCARRIAGE STEEL TRACKS WITH PADS

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

FIGURE 1-4. UNDERCARRIAGE ASSEMBLY - WITH STEEL TRACKS

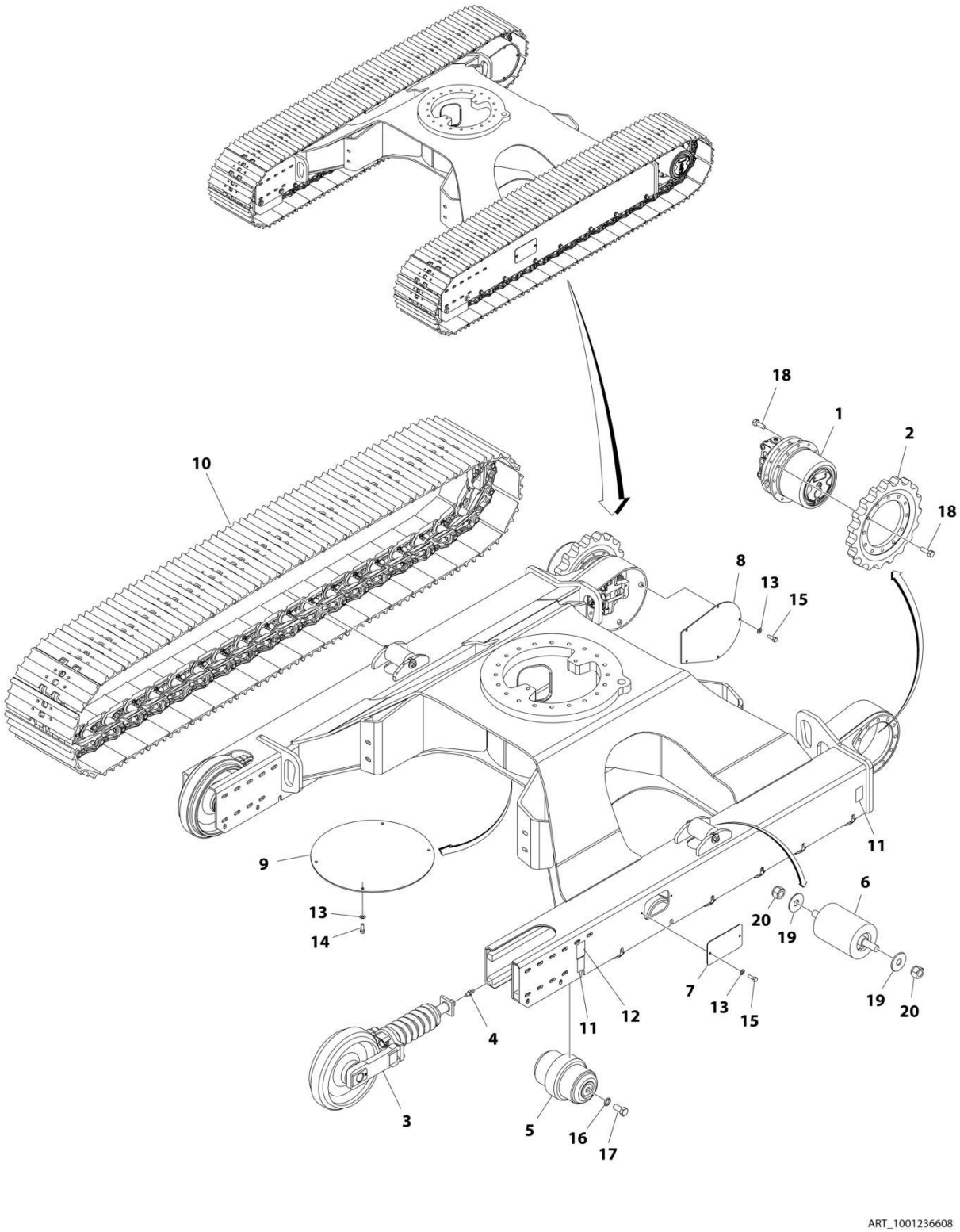


FIGURE 1-4. UNDERCARRIAGE ASSEMBLY - WITH STEEL TRACKS

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

FIGURE 1-5. TRACK ASSEMBLY - STEEL

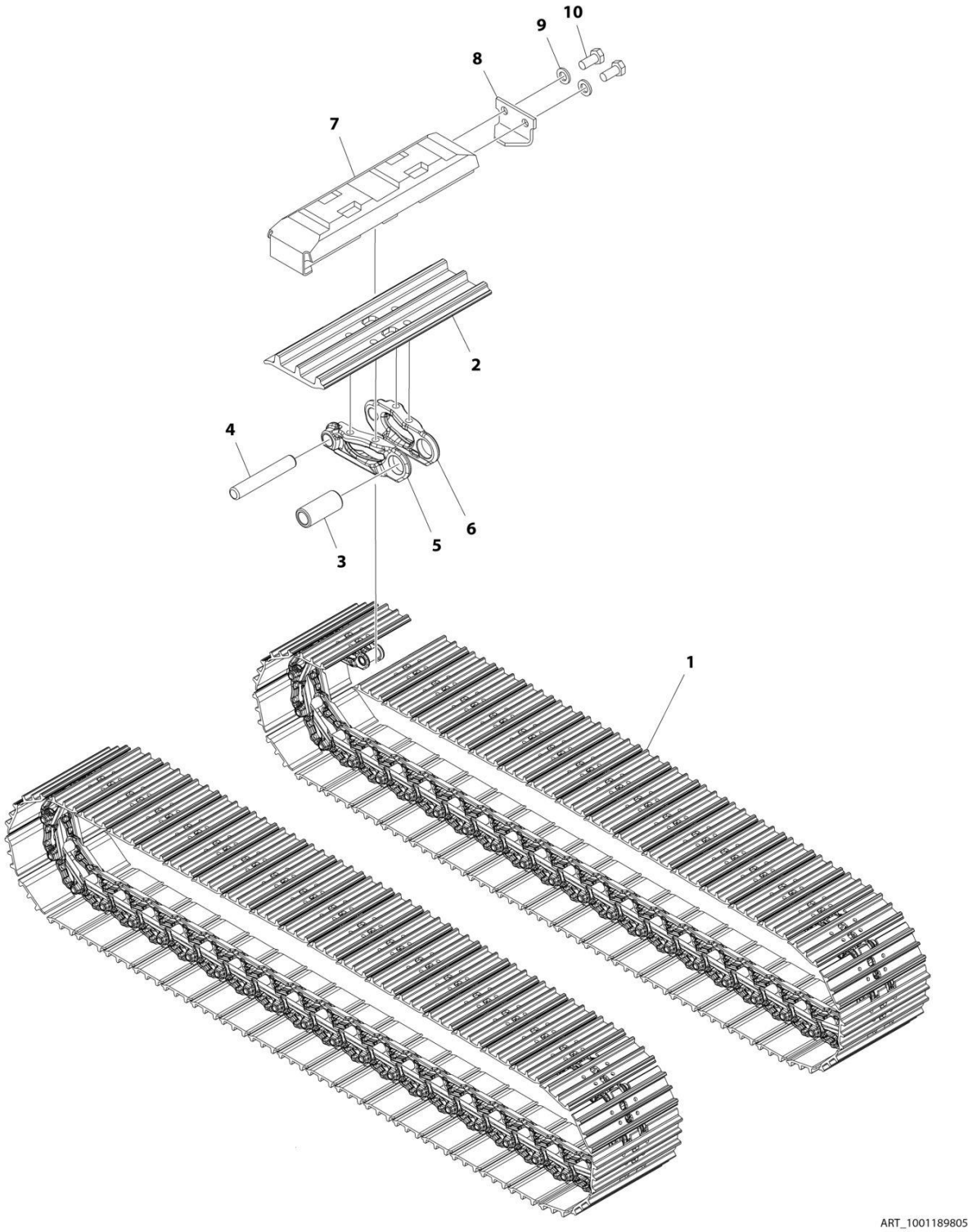


FIGURE 1-5. TRACK ASSEMBLY - STEEL

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

FIGURE 1-6. DRIVE HUB ASSEMBLY

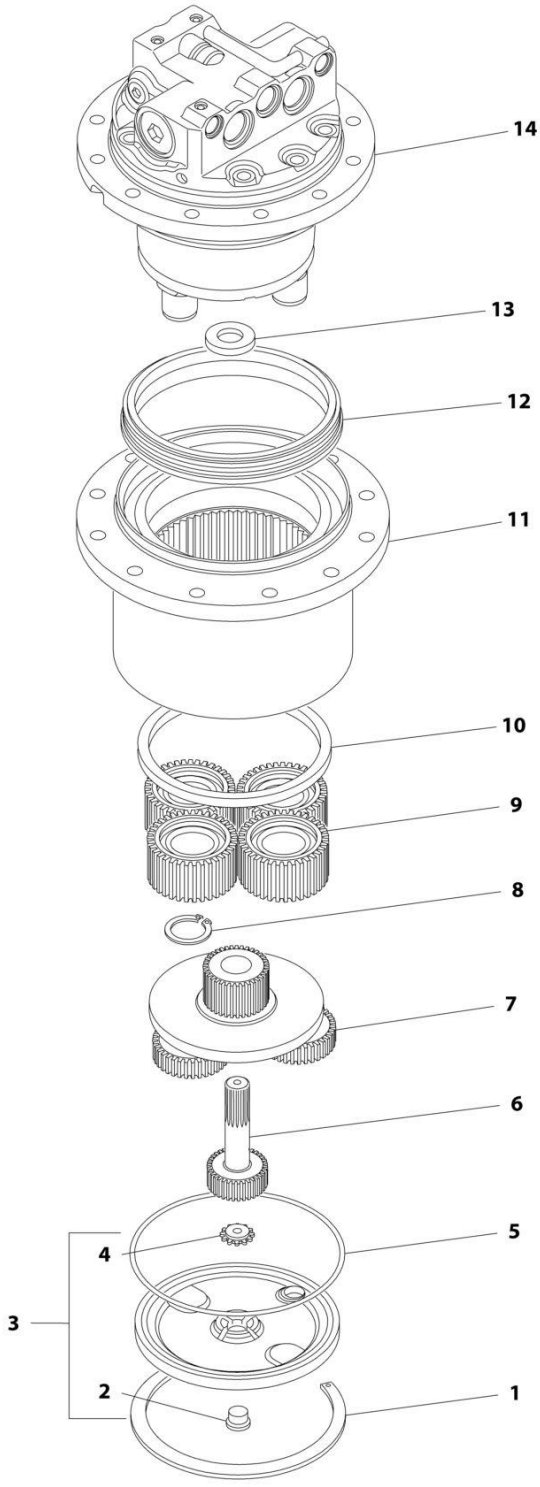


FIGURE 1-6. DRIVE HUB ASSEMBLY

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

FIGURE 1-7. DRIVE MOTOR ASSEMBLY

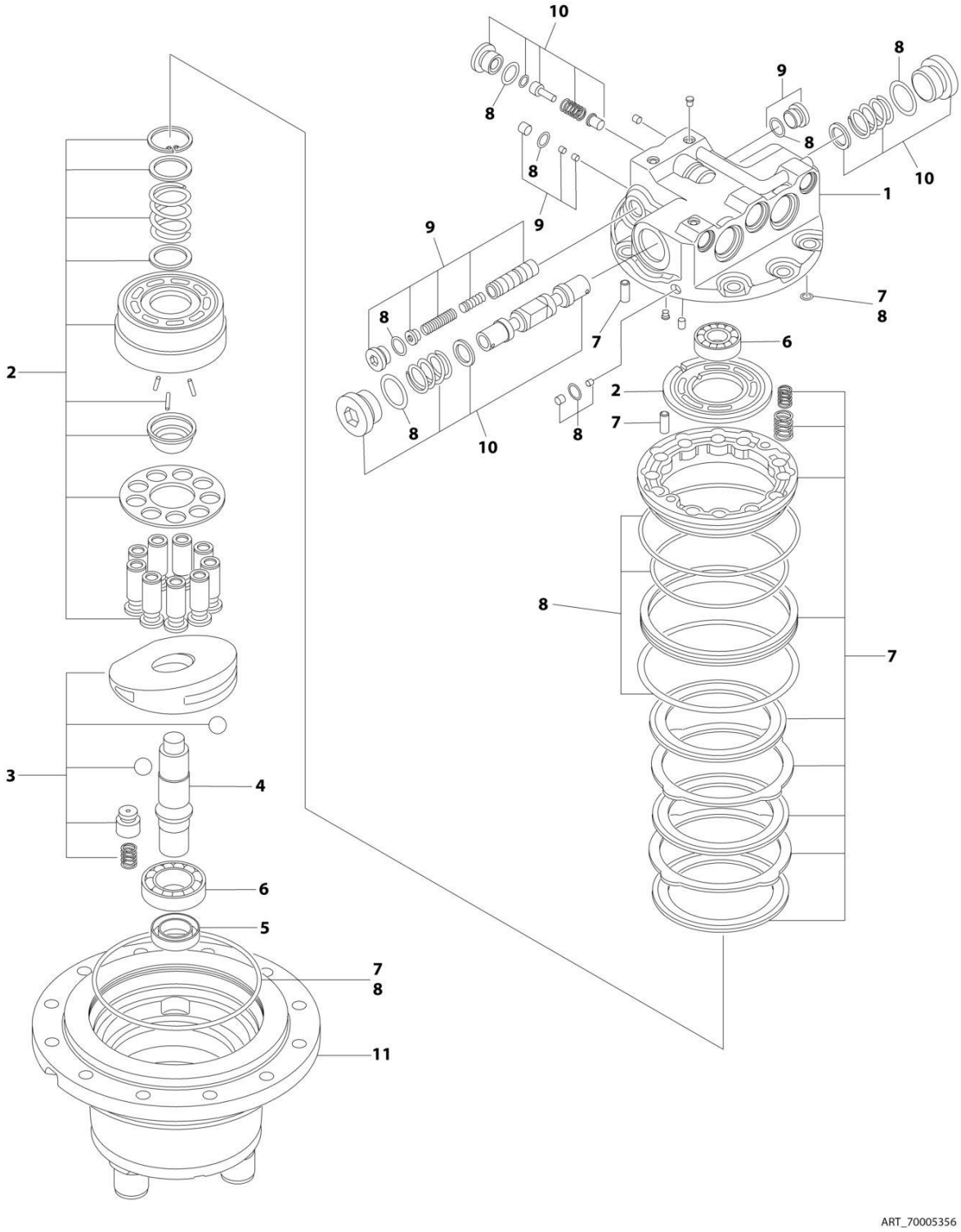


FIGURE 1-7. DRIVE MOTOR ASSEMBLY

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

SECTION 2 - TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATION - 400SC

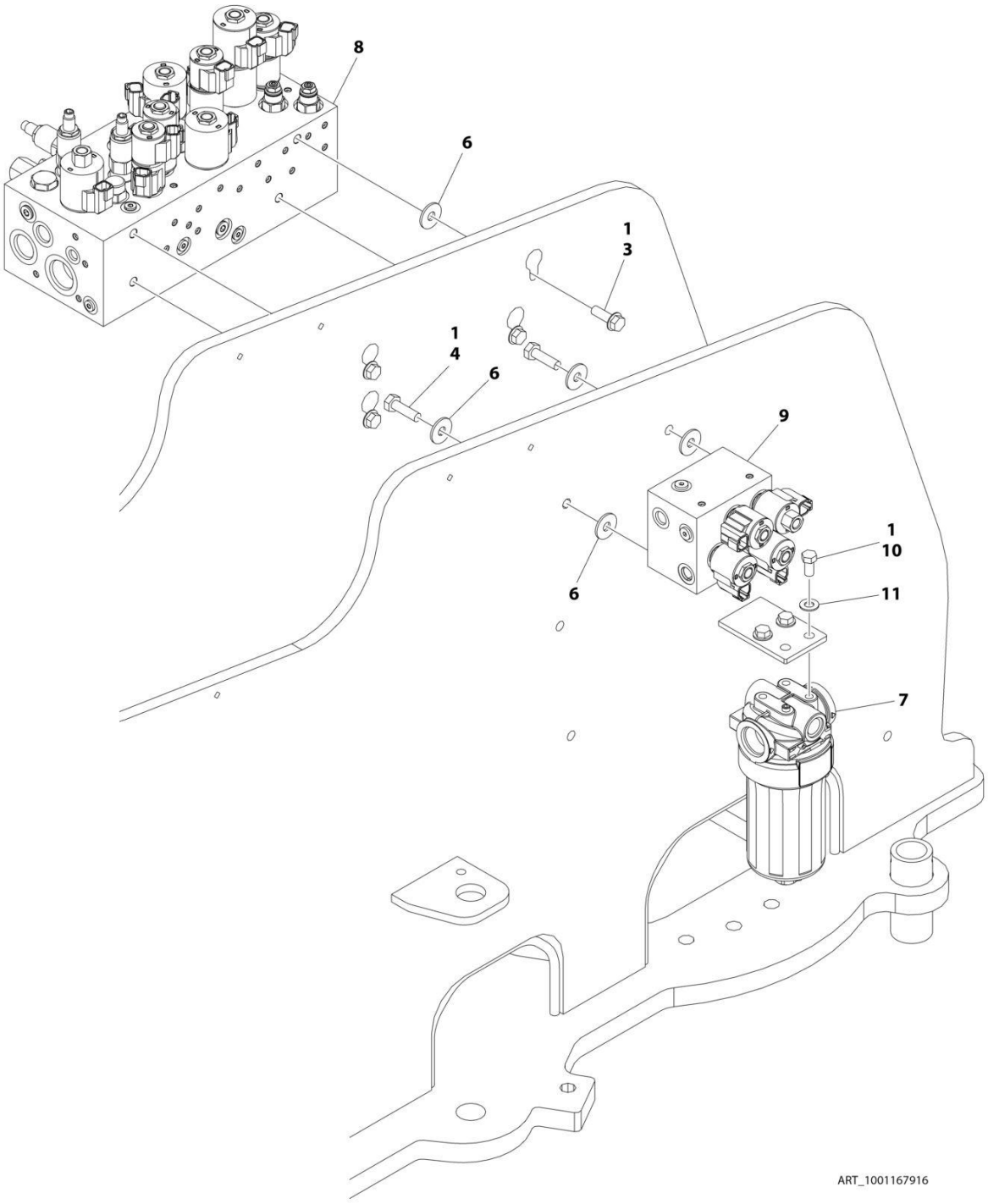


FIGURE 2-1. CONTROL VALVES INSTALLATION - 400SC

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

FIGURE 2-2. CONTROL VALVES INSTALLATION - 460SJC

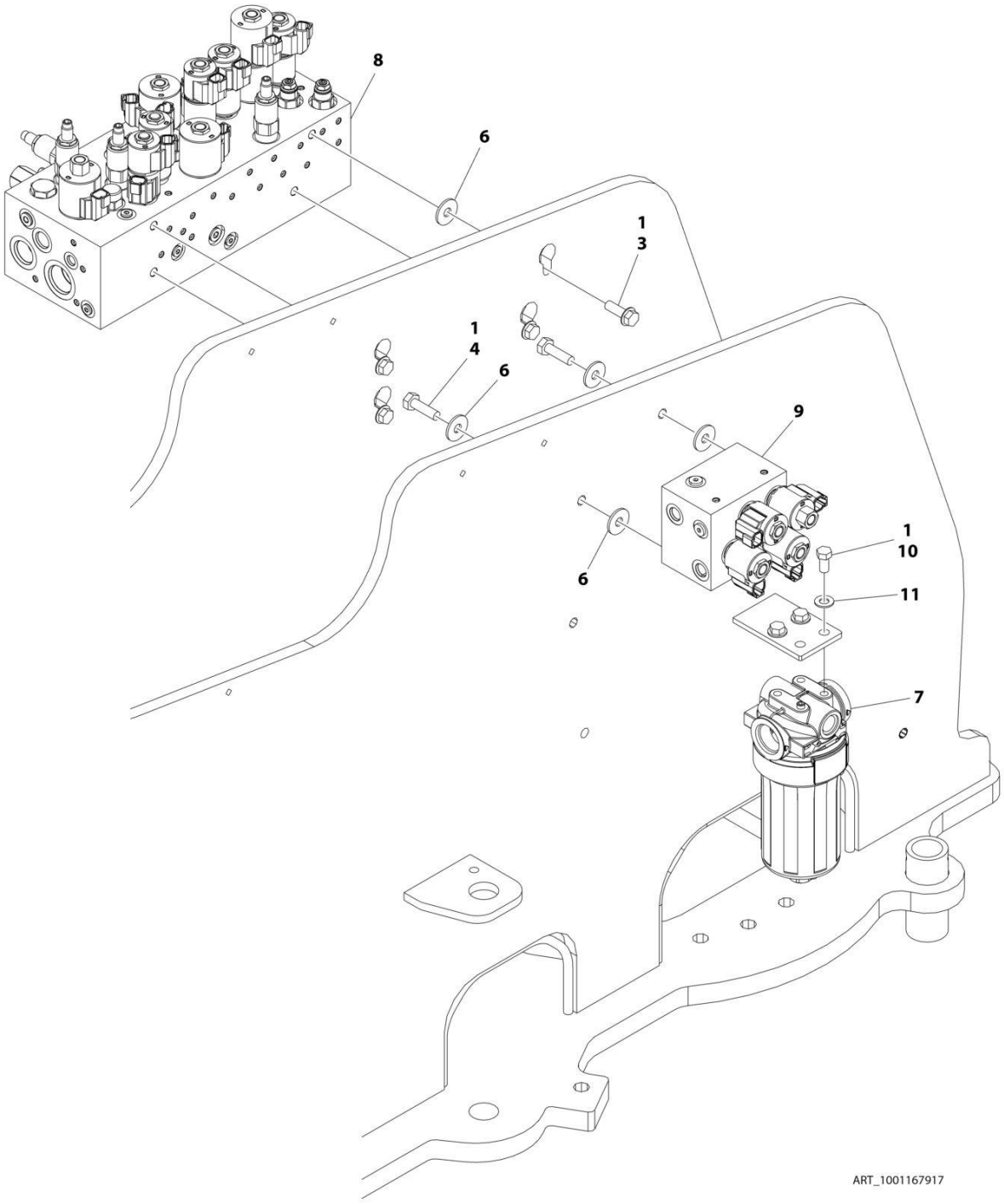


FIGURE 2-2. CONTROL VALVES INSTALLATION - 460SJC

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

FIGURE 2-3. MAIN VALVE ASSEMBLY - 400SC

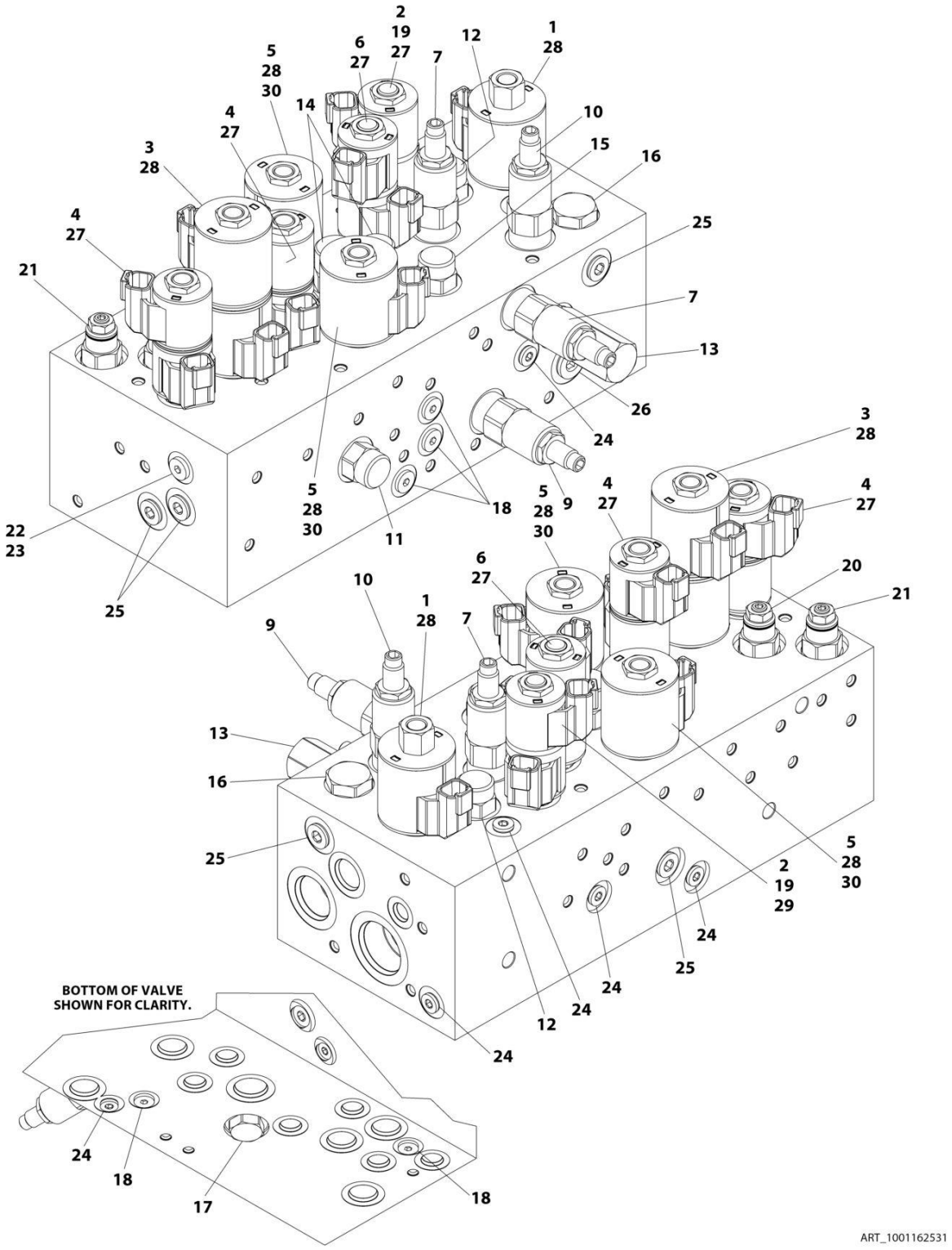


FIGURE 2-3. MAIN VALVE ASSEMBLY - 400SC

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

SECTION 2 - TURNTABLE

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

FIGURE 2-4. MAIN VALVE ASSEMBLY - 460SJC

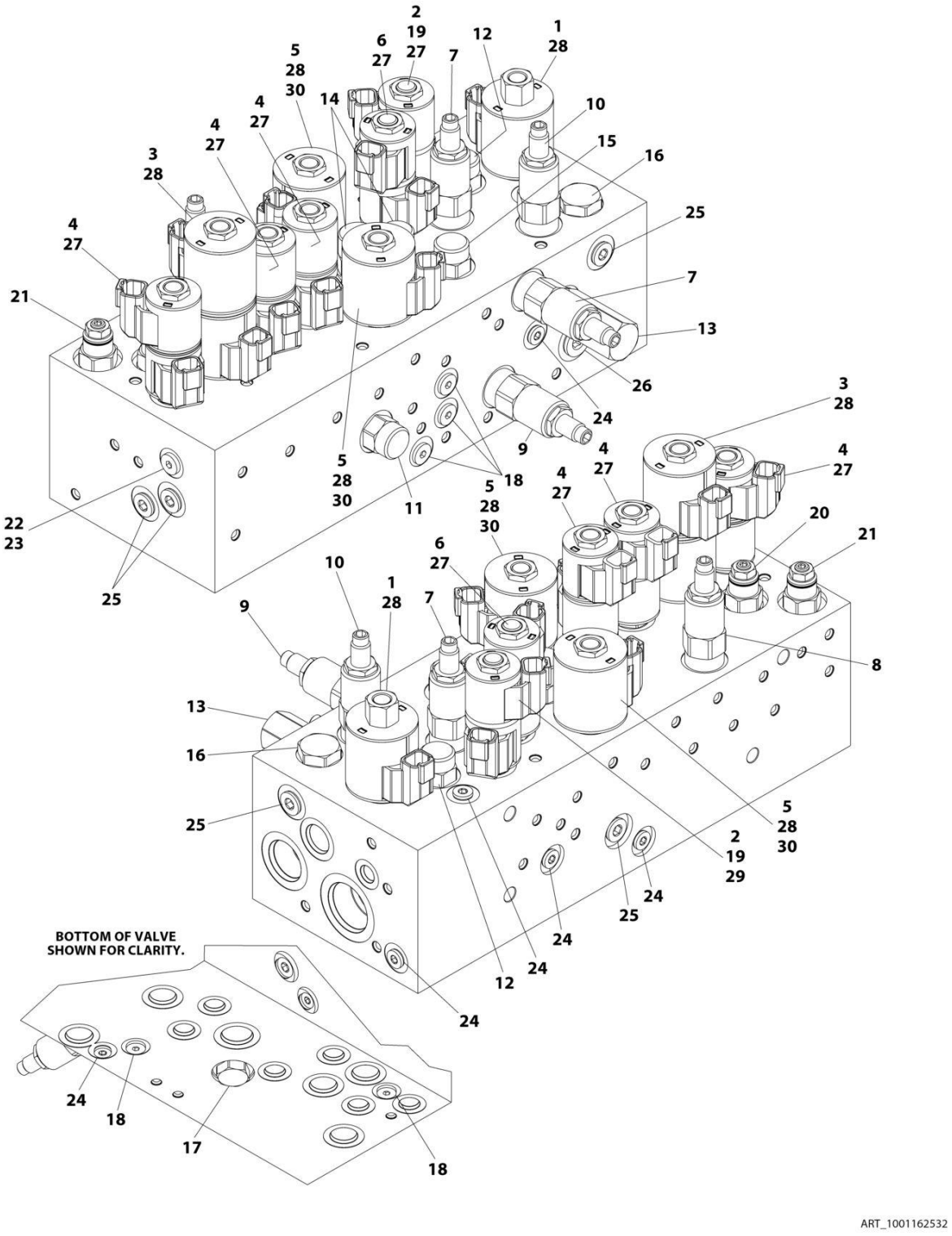


FIGURE 2-4. MAIN VALVE ASSEMBLY - 460SJC

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

SECTION 2 - TURNTABLE

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

FIGURE 2-5. AXLE VALVE ASSEMBLY

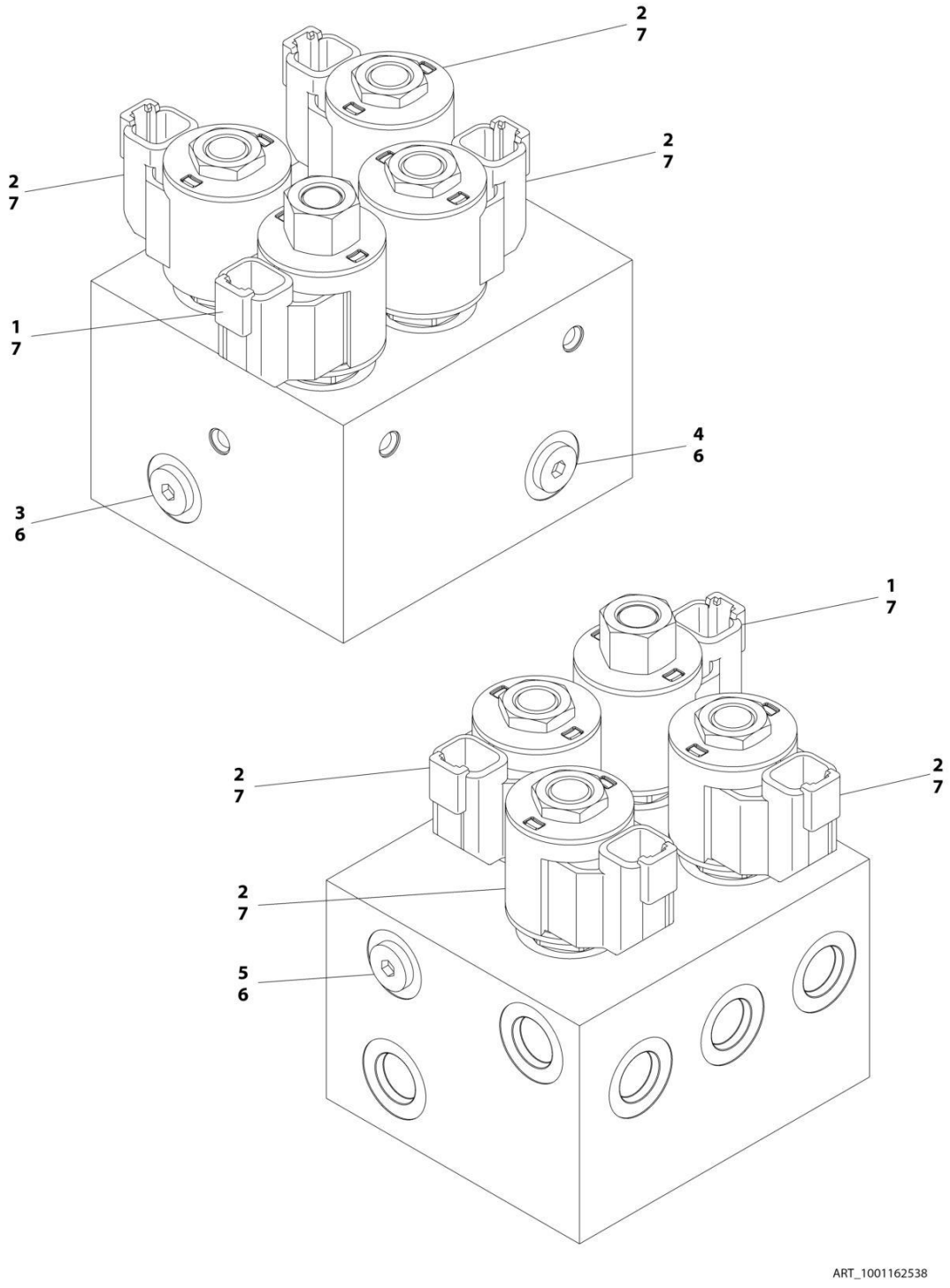


FIGURE 2-5. AXLE VALVE ASSEMBLY

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

FIGURE 2-6. ELECTRICAL INSTALLATION - 400SC

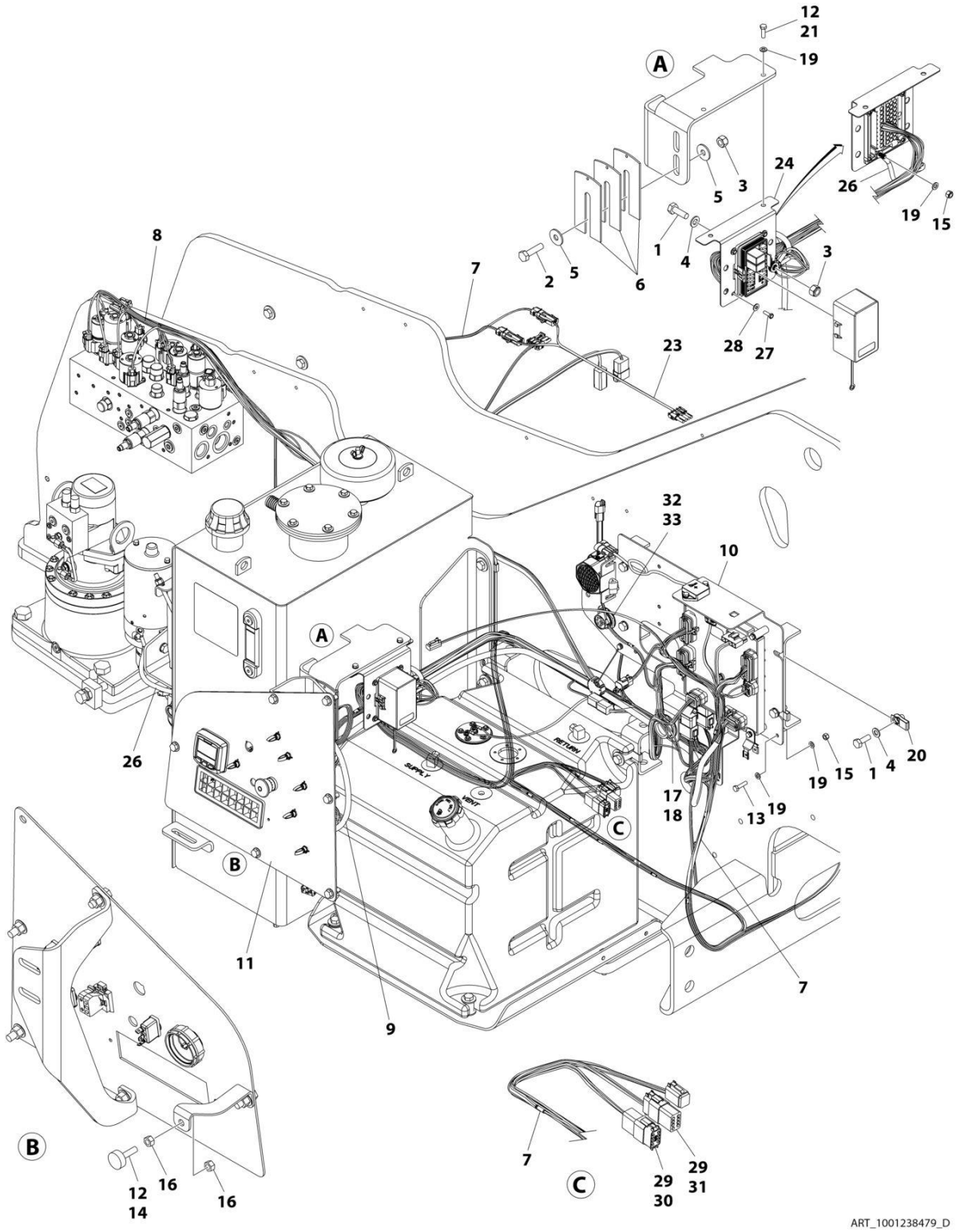


FIGURE 2-6. ELECTRICAL INSTALLATION - 400SC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238479	Ref	ELECTRICAL INSTALLATION	D
1	0761014	5	Bolt M10 x 30	
2	0761016	2	Bolt M10 x 40	
3	3291005	3	Nut M10	
4	4812000	5	Washer M10	
5	4812002	4	Washer M10	
6	1001150324	AR	Shim 3	
7	1001237849	1	Turntable Harness (See Separate Breakdown in ELECTRICAL SECTION)	
8	1001238255	1	Valve Harness (See Separate Breakdown in ELECTRICAL SECTION)	
9	1001238161	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
10	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
11	1001239294	1	Ground Control Assembly (See Separate Breakdown in this Section)	
12	0100011	AR	Compound, Locking	
13	0700612	1	Bolt M6 x 25	
14	0940049	1	Stopper, Hood	
15	3290605	2	Nut M6	
16	3311501	2	Nut 5/16	
17	4460470	1	Nut, Terminal	
18	4460471	1	Washer, Terminal	
19	4811700	5	Washer M6	
20	1001118972	4	Nut M10	
21	0760610	2	Bolt M6 x 20	
22	1001239512	1	Decal - Fuse Box (Not Shown)	
23	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL SECTION)	
24	1001237822	1	Plate, Fuse Box	
25	1001144295	2	Cap, Connector (Not Shown)	
26	1001250681	1	Cable, Battery Negative	
27	0731005	4	Screw #10 x 5/8	
28	4711000	4	Washer #10	
29	4460466	16	Plug, Seal	
30	4460930	1	Plug, Male - 8 Position	
31	4460931	1	Receptacle, Female - 8 Position	
32	4460496	1	Washer, Lock	
33	4460497	1	Nut	

FIGURE 2-7. ELECTRICAL INSTALLATION - 400SC WITH DEUTZ (STAGE V) ENGINE

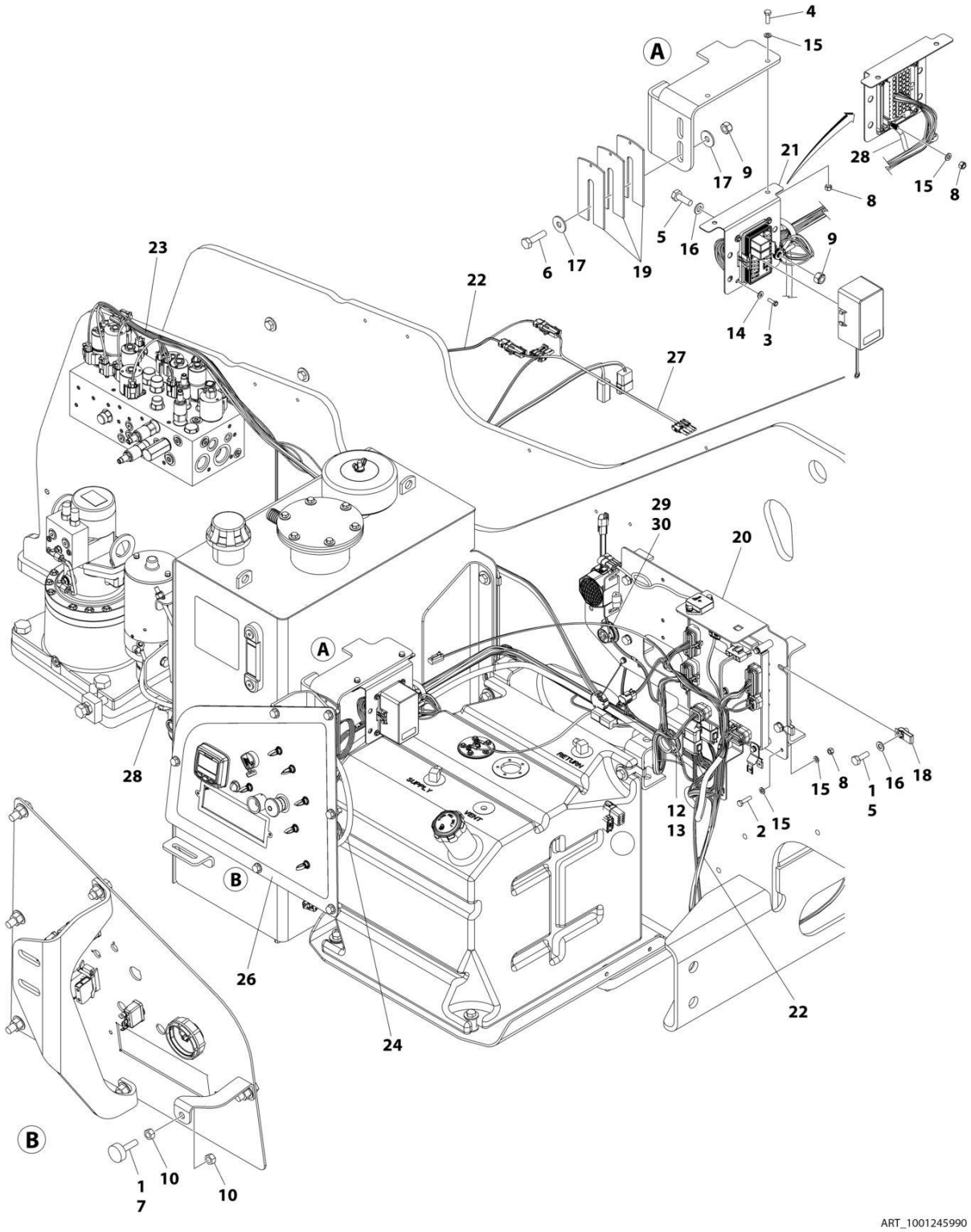


FIGURE 2-7. ELECTRICAL INSTALLATION - 400SC WITH DEUTZ (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245990	Ref	ELECTRICAL INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0700612	1	Bolt M6 x 25	
3	0731005	4	Screw #10 x .625	
4	0760610	2	Bolt M6 x 20	
5	0761014	5	Bolt M10 x 30	
6	0761016	2	Bolt M10 x 40	
7	0940049	1	Stopper, Hood	
8	3290605	4	Nut M6	
9	3291005	3	Nut M10	
10	3311501	2	Nut 5/16	
11	4240099	AR	Tie-Strap (Not Shown)	
12	4460470	1	Nut, Terminal	
13	4460471	1	Washer, Terminal	
14	4711000	4	Washer #10	
15	4811700	7	Washer M6	
16	4812000	5	Washer M10	
17	4812002	4	Washer M10	
18	1001118972	4	Nut M10	
19	1001150324	AR	Shim 3	
20	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
21	1001237822	1	Plate, Fuse Box	
22	1001237849	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
23	1001238255	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
24	1001238161	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
25	1001239512	1	Decal - Fuse Box (Not Shown)	
26	1001245988	1	Ground Control Assembly (See Separate Breakdown in this Section)	
27	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL Section)	
28	1001250681	1	Cable, Battery Negative	
29	4460496	1	Washer, Lock	
30	4460497	1	Nut	

FIGURE 2-8. ELECTRICAL INSTALLATION - 460SJC

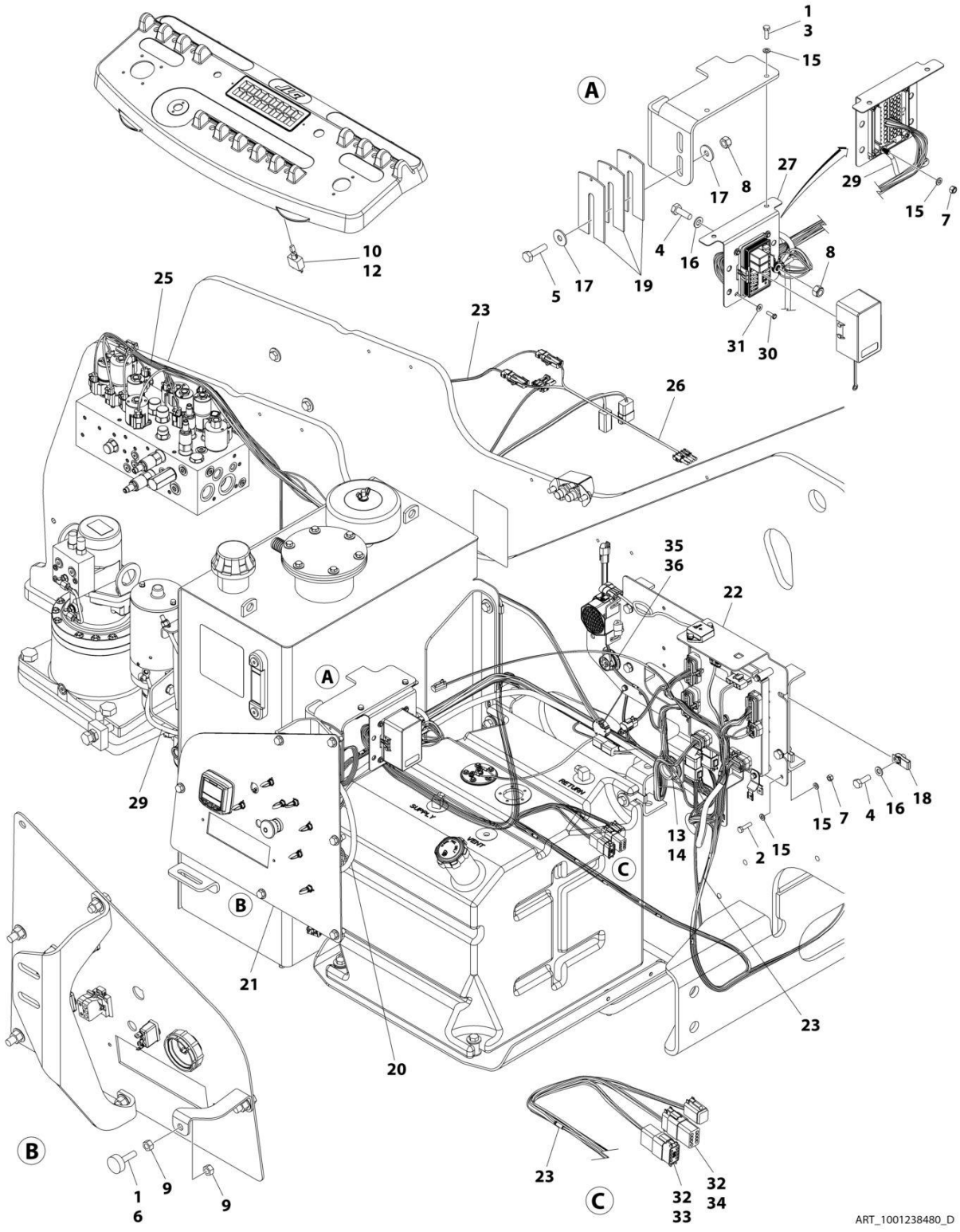


FIGURE 2-8. ELECTRICAL INSTALLATION - 460SJC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238480	Ref	ELECTRICAL INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0700612	1	Bolt M6 x 25	
3	0760610	2	Bolt M6 x 20	
4	0761014	4	Bolt M10 x 30	
5	0761016	2	Bolt M10 x 40	
6	0940049	1	Stopper, Hood	
7	3290605	1	Nut M6	
8	3291005	2	Nut M10	
9	3311501	2	Nut 5/16	
10	3790012	1	O-Ring	
11	4240099	AR	Tie-Strap (Not Shown)	
12	4360328	1	Switch, Toggle	
13	4460470	1	Nut, Terminal	
14	4460471	1	Washer, Lock	
15	4811700	4	Washer M6	
16	4812000	4	Washer M10	
17	4812002	4	Washer M10	
18	1001118972	4	Nut M10	
19	1001150324	3	Shim 3	
20	1001238161	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
21	1001239293	1	Ground Control Assembly (See Separate Breakdown in this Section)	
22	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
23	1001237849	1	Turntable Harness (See Separate Breakdown in ELECTRICAL SECTION)	
24	1001196637	1	Decal, Fuse Box	
25	1001238255	1	Valve Harness (See Separate Breakdown in ELECTRICAL SECTION)	
26	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL SECTION)	
27	1001237822	1	Plate, Fuse Box	
29	1001250681	1	Cable, Battery Negative	
30	0731005	4	Screw #10 x 5/8	
31	4711000	4	Washer #10	
32	4460466	16	Plug, Seal	
33	4460930	1	Plug, Male - 8 Position	
34	4460931	1	Receptacle, Female - 8 Position	
35	4460496	1	Washer, Lock	
36	4460497	1	Nut	

FIGURE 2-9. ELECTRICAL INSTALLATION - 460SJC WITH DEUTZ (STAGE V) ENGINE

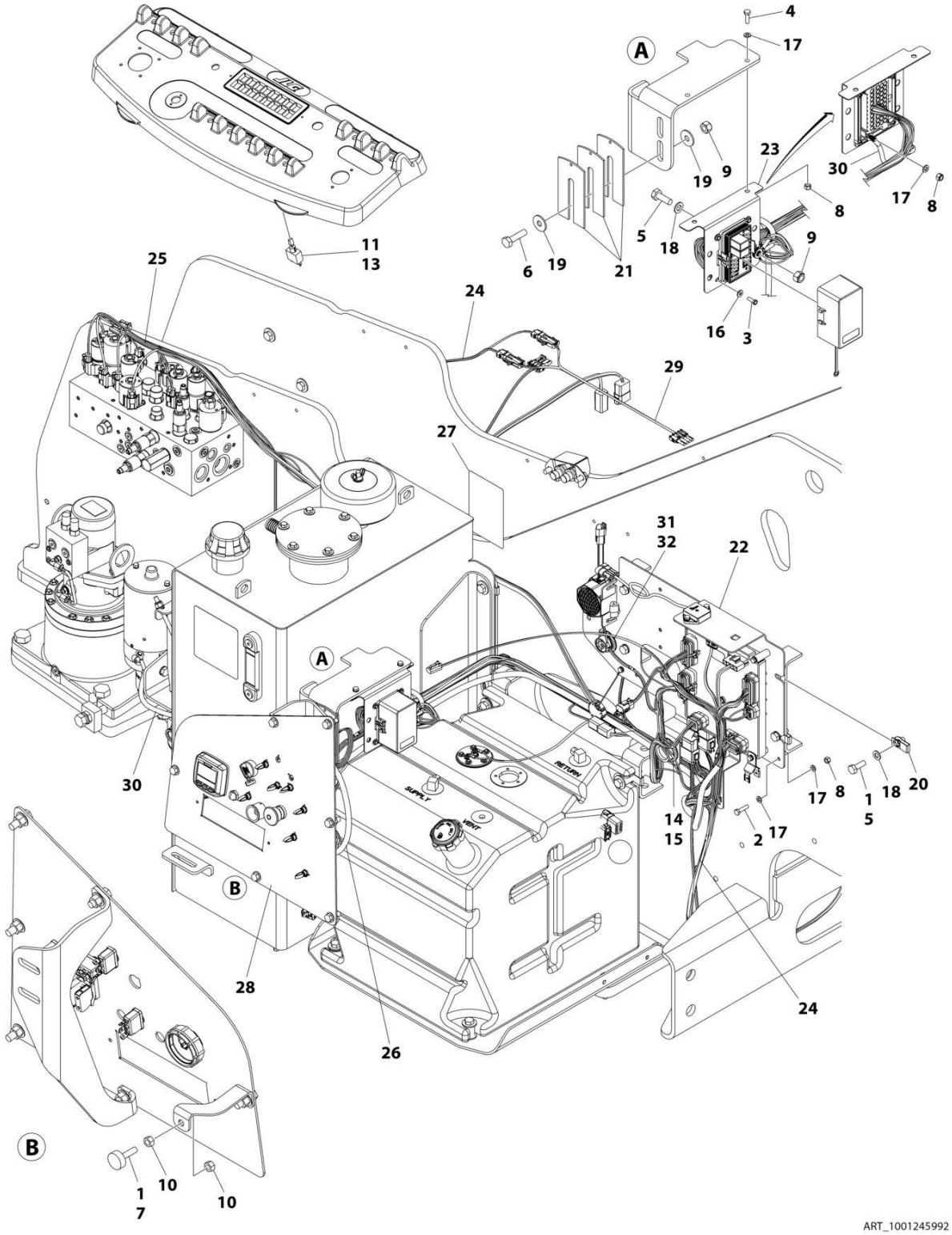


FIGURE 2-9. ELECTRICAL INSTALLATION - 460SJC WITH DEUTZ (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245992	Ref	ELECTRICAL INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0700612	1	Bolt M6 x 25	
3	0731005	4	Nut M10	
4	0760610	2	Bolt M6 x 20	
5	0761014	4	Bolt M10 x 30	
6	0761016	2	Bolt M10 x 40	
7	0940049	1	Stopper, Hood	
8	3290605	4	Nut M6	
9	3291005	3	Nut M10	
10	3311501	2	Nut 5/16	
11	3790012	1	O-Ring	
12	4240099	AR	Tie-Strap (Not Shown)	
13	4360328	1	Switch, Toggle	
14	4460470	1	Nut, Terminal	
15	4460471	1	Washer, Lock	
16	4711000	4	Washer #10	
17	4811700	7	Washer M6	
18	4812000	5	Washer M10	
19	4812002	4	Washer M10	
20	1001118972	4	Nut M10	
21	1001150324	3	Shim 3	
22	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
23	1001237822	1	Plate, Fuse Box	
24	1001237849	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
25	1001238255	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
26	1001238161	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
27	1001239512	1	Decal, Fuse Box	
28	1001245380	1	Ground Control Assembly (See Separate Breakdown in this Section)	
29	1001238256	1	Harness, Left Drive (See Separate Breakdown in ELECTRICAL Section)	
30	1001250681	1	Cable, Battery Negative	
31	4460496	1	Washer, Lock	
32	4460497	1	Nut	

FIGURE 2-10. GROUND CONTROL ASSEMBLY - 400SC

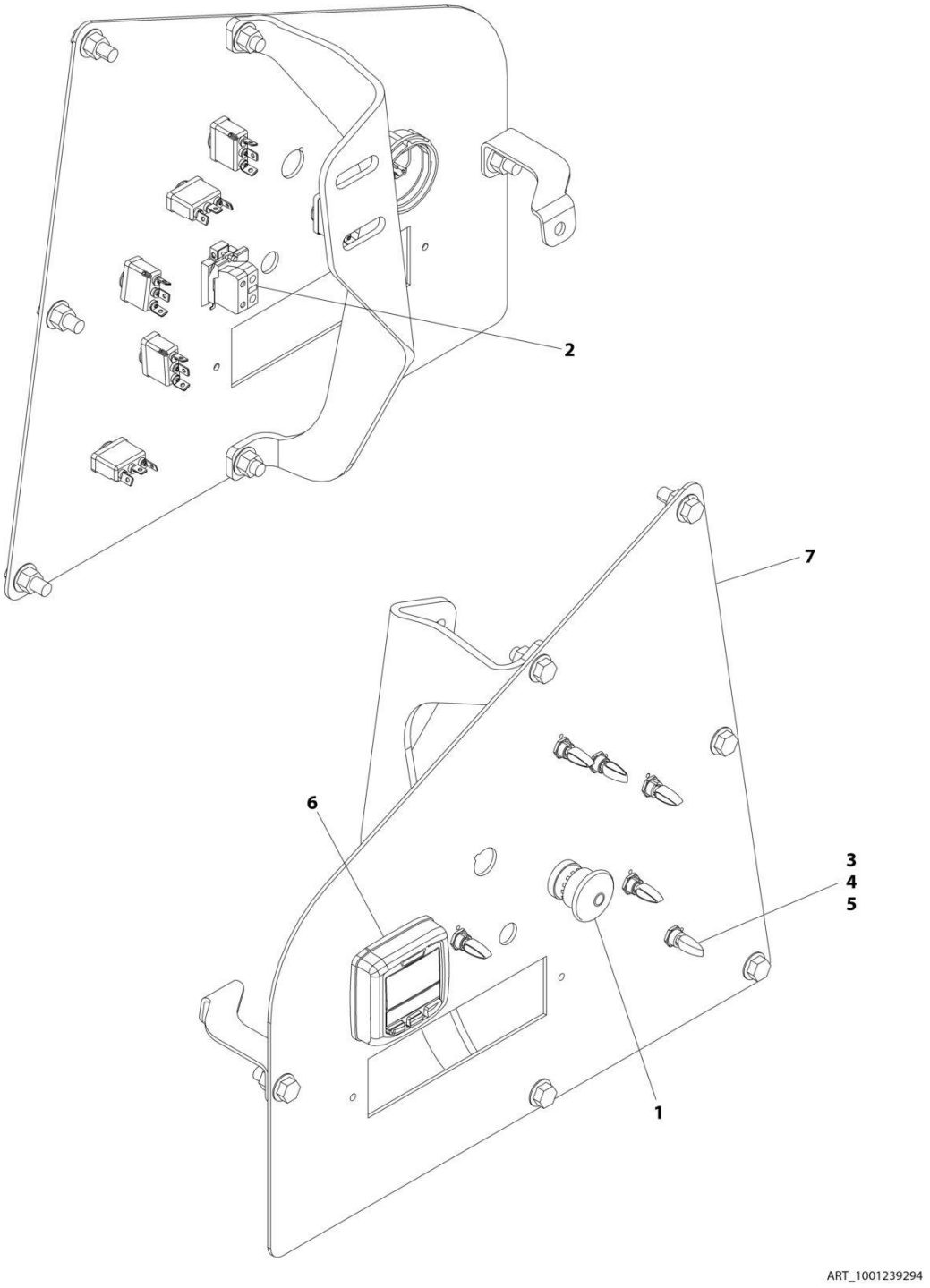


FIGURE 2-10. GROUND CONTROL ASSEMBLY - 400SC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239294	Ref	GROUND CONTROL ASSEMBLY - 400S	A
1	4360475	1	Switch, Emergency Stop	
1	7020175	1	Cap	
1	7020176	1	Block, Contact	
2	4360476	1	Block, Contact	
3	1001155043	6	Washer	
4	1001155044	6	Nut 15/32	
5	1001155045	6	Switch, Toggle	
6	1001171482	1	Gauge	
7	1001238887	1	Mount, Ground Control Panel (See Separate Breakdown in this Section)	

FIGURE 2-11. GROUND CONTROL ASSEMBLY - 400SC WITH DEUTZ (STAGE V) ENGINE

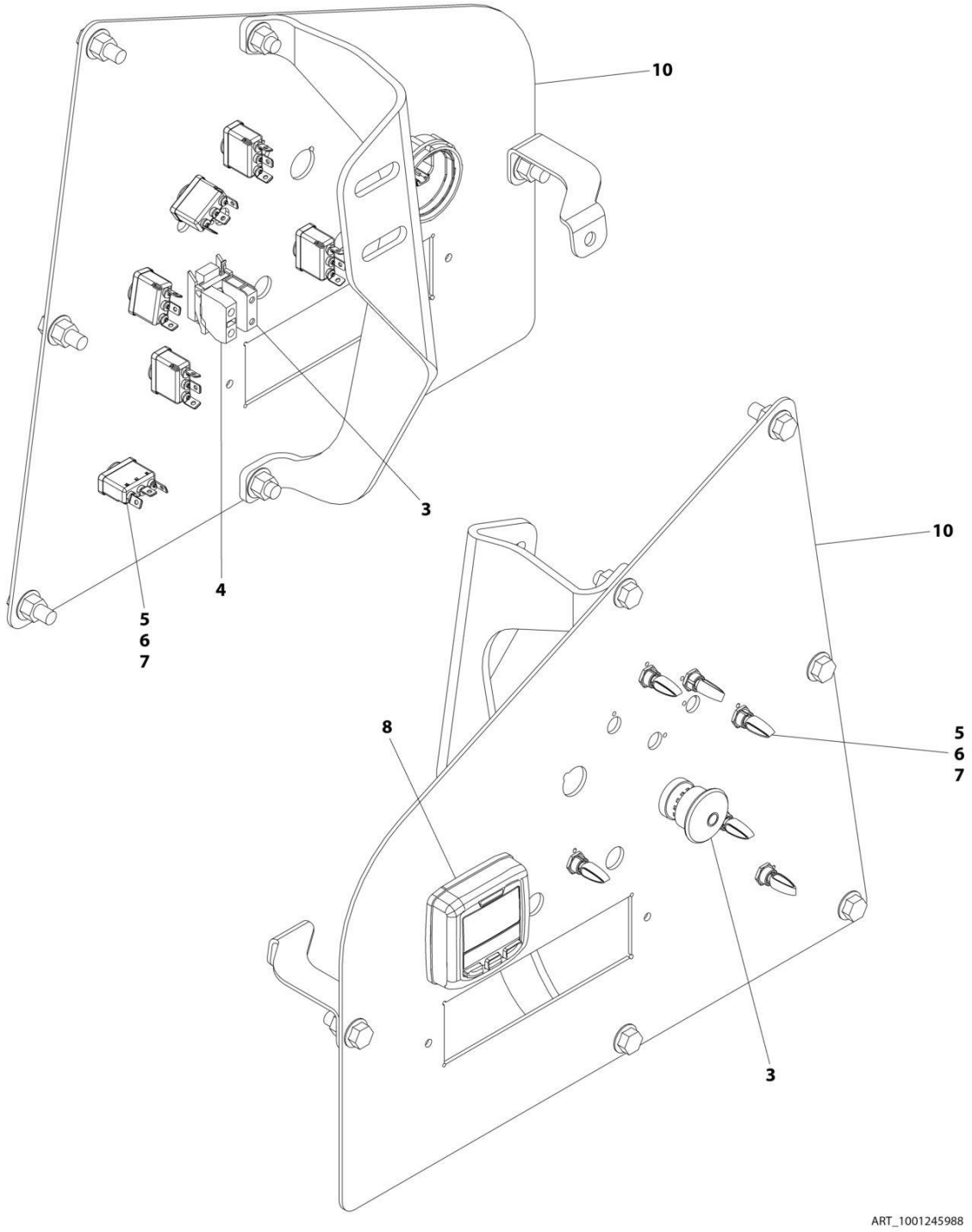


FIGURE 2-11. GROUND CONTROL ASSEMBLY - 400SC WITH DEUTZ (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245988	Ref	GROUND CONTROL ASSEMBLY	B
3	4360475	1	Switch, Emergency Stop	
3	7020175	1	Cap, Red	
3	7020176	1	Contact Block	
4	4360476	1	Block, Contact	
5	1001155043	6	Washer	
6	1001155044	6	Nut 15/32	
7	1001155045	6	Switch, Toggle	
8	1001171482	1	Gauge	
10	1001245379	1	Mount, Ground Control Panel (See Separate Breakdown in this Section)	

FIGURE 2-12. GROUND CONTROL ASSEMBLY - 460SJC

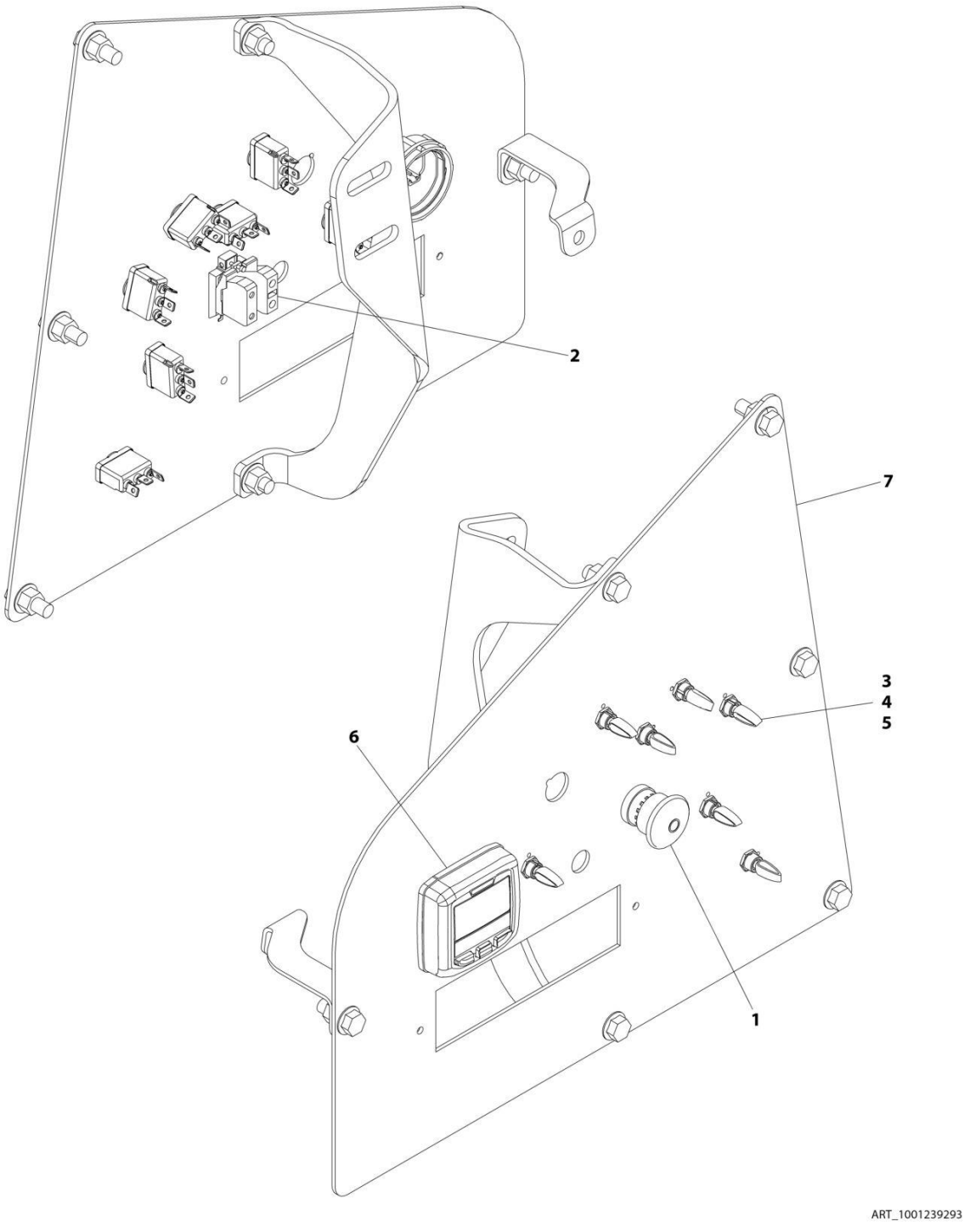


FIGURE 2-12. GROUND CONTROL ASSEMBLY - 460SJC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239293	Ref	GROUND CONTROL ASSEMBLY - 460SJ	A
1	4360475	1	Switch, Emergency Stop	
1	7020175	1	Cap	
1	7020176	1	Block, Contact	
2	4360476	1	Block, Contact	
3	1001155043	7	Washer	
4	1001155044	7	Nut 15/32	
5	1001155045	7	Switch, Toggle	
6	1001171482	1	Gauge	
7	1001235531	1	Mount, Ground Control Panel (See Separate Breakdown in this Section)	

FIGURE 2-13. GROUND CONTROL ASSEMBLY - 460SJC WITH DEUTZ (STAGE V) ENGINE

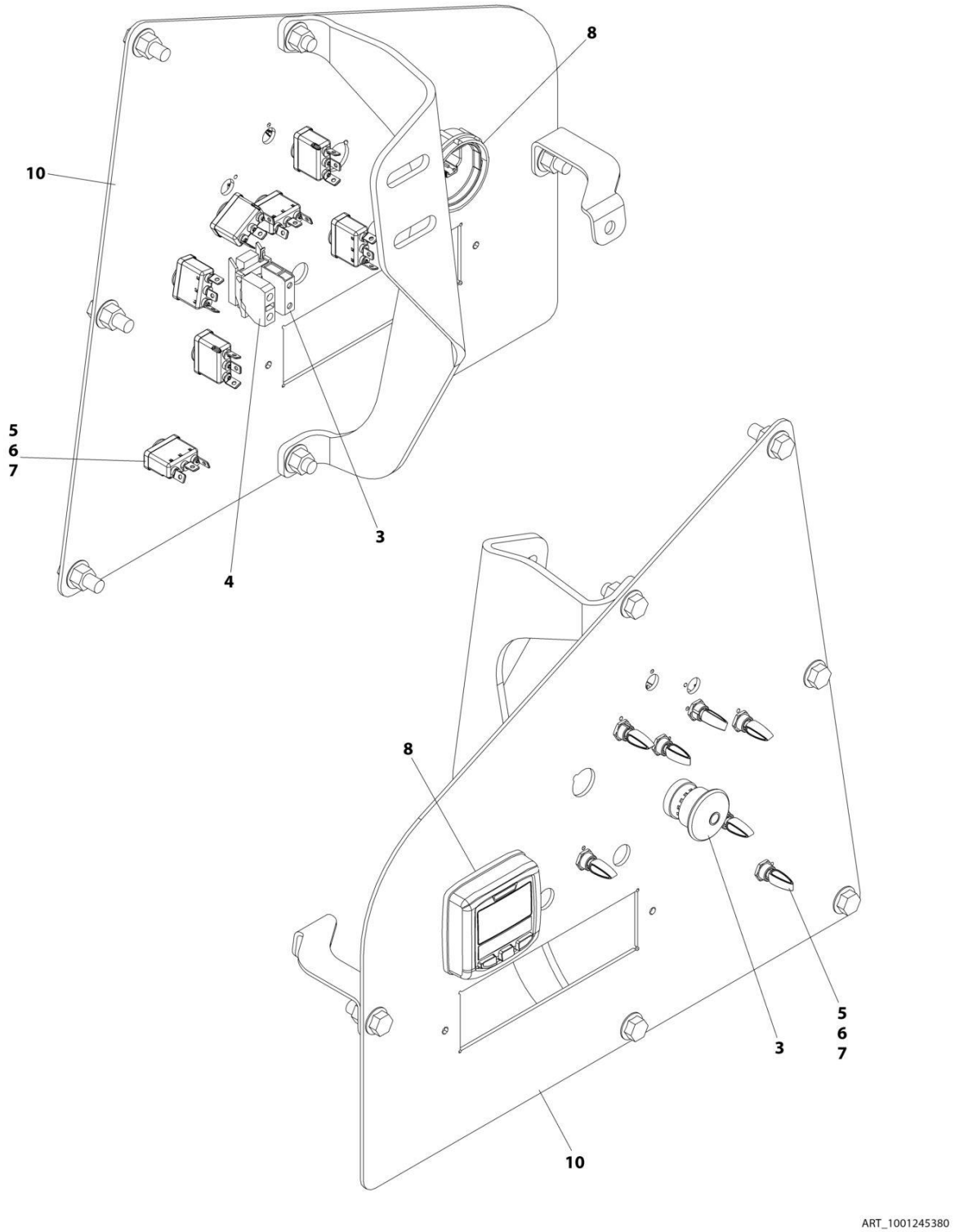


FIGURE 2-13. GROUND CONTROL ASSEMBLY - 460SJC WITH DEUTZ (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245380	Ref	GROUND CONTROL ASSEMBLY	B
3	4360475	1	Switch, Emergency Stop	
3	7020175	1	Cap	
3	7020176	1	Block, Contact	
4	4360476	1	Block, Contact	
5	1001155043	7	Washer	
6	1001155044	7	Nut 15/32	
7	1001155045	7	Switch, Toggle	
8	1001171482	1	Gauge	
10	1001245379	1	Ground Control Mounting (See Separate Breakdown in this Section)	

FIGURE 2-14. GROUND CONTROL PANEL MOUNTING - 400SC

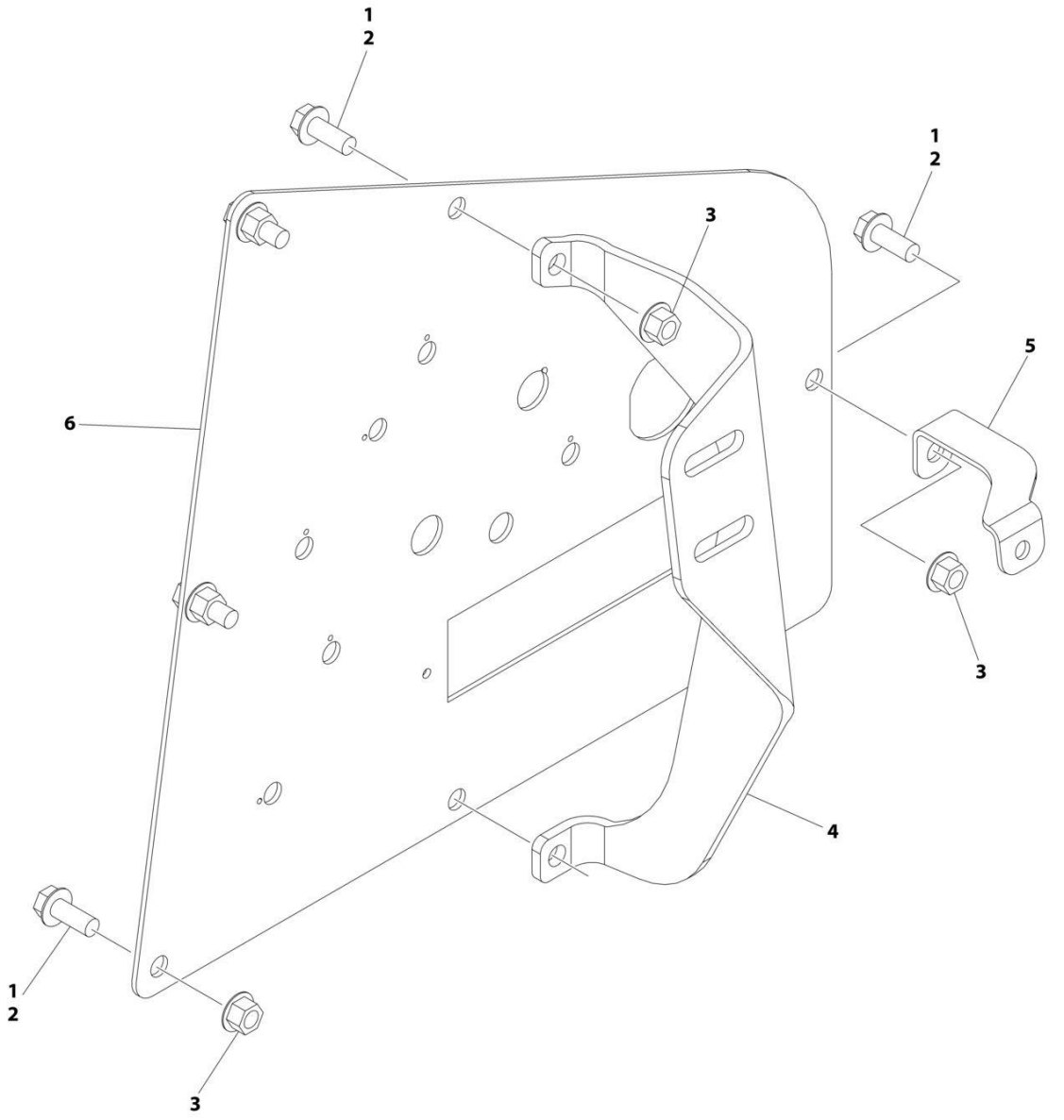


FIGURE 2-14. GROUND CONTROL PANEL MOUNTING - 400SC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238887	Ref	GROUND CONTROL PANEL MOUNTING	A
1	0100011	AR	Compound, Locking	
2	5251012	6	Bolt M10 x 25	
3	5261000	6	Nut M10	
4	1001235528	1	Support	
5	1001235529	1	Bracket	
6	1001238886	1	Plate, Ground Control	

FIGURE 2-15. GROUND CONTROL PANEL MOUNTING - 460SJC

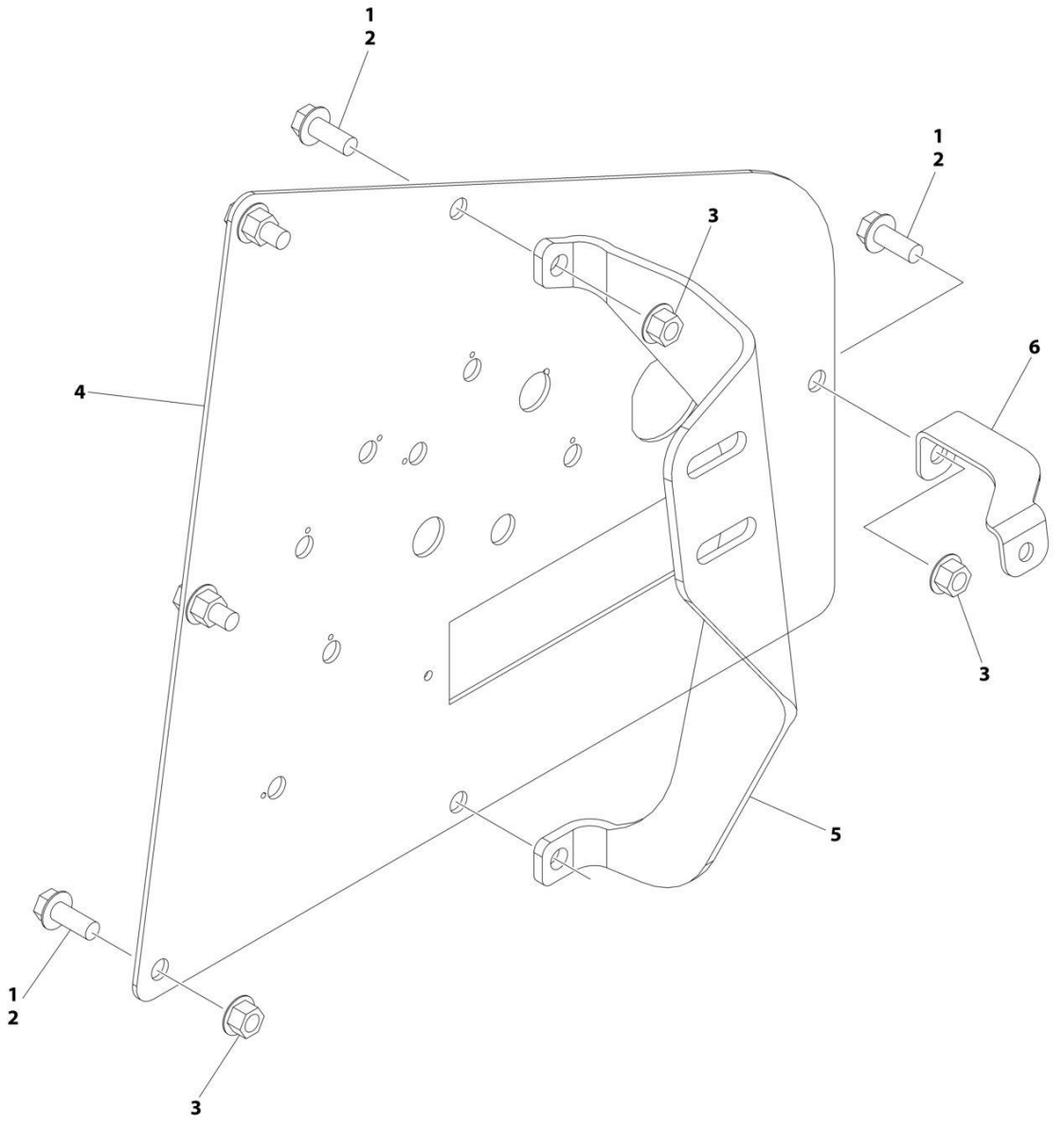


FIGURE 2-15. GROUND CONTROL PANEL MOUNTING - 460SJC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235531	Ref	GROUND CONTORL MOUNTING - 460SJ	B
1	0100011	AR	Compound, Locking	
2	5251012	6	Bolt M10 x 25	
3	5261000	6	Nut M10	
4	1001235527	1	Plate, Ground Control	
5	1001235528	1	Support	
6	1001235529	1	Bracket	

FIGURE 2-16. GROUND CONTROL PANEL MOUNTING - 400SC/460SJC WITH DEUTZ (STAGE V) ENGINE

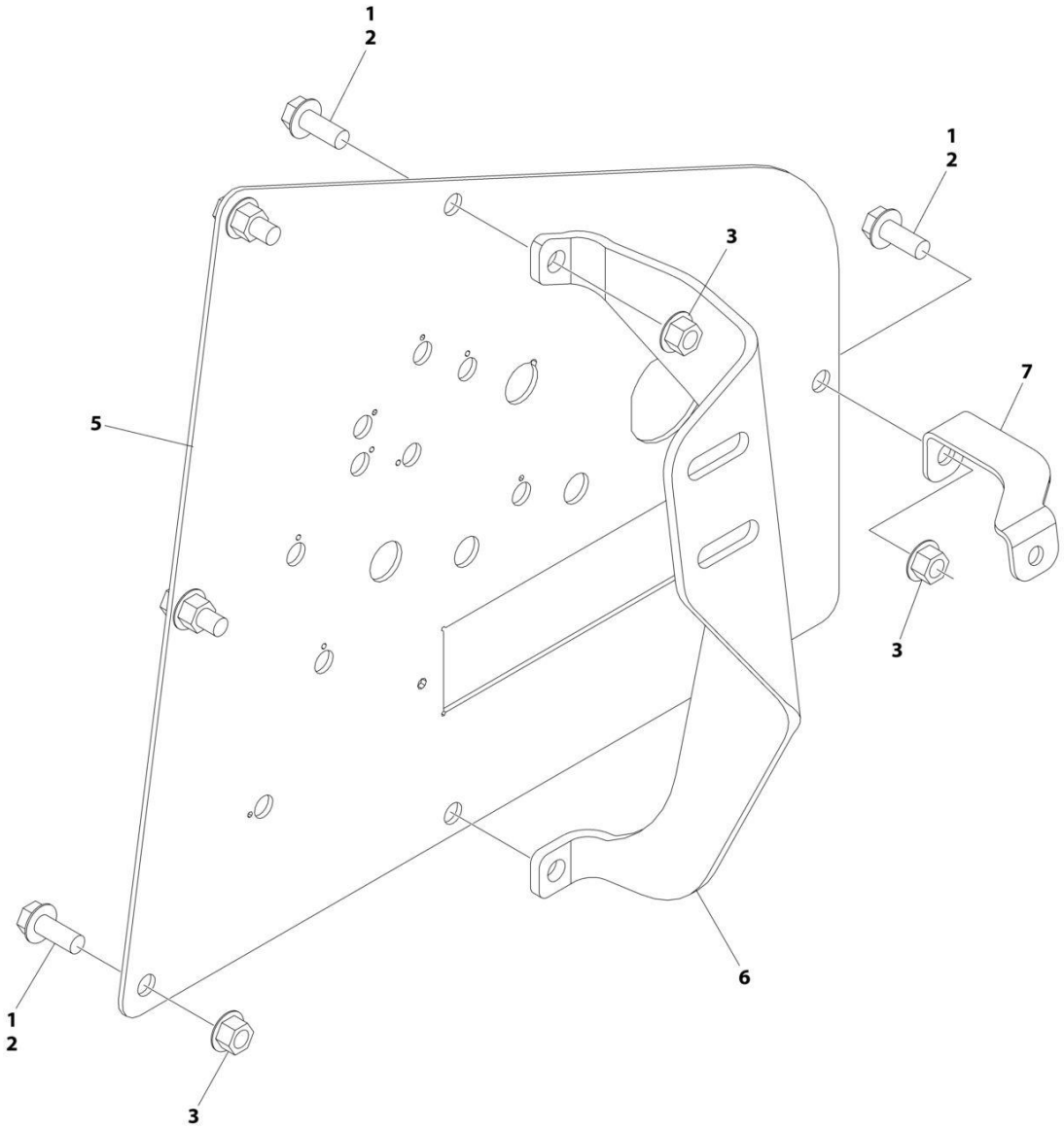


FIGURE 2-16. GROUND CONTROL PANEL MOUNTING - 400SC/460SJC WITH DEUTZ (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245379	Ref	GROUND CONTORL MOUNTING	B
1	0100035	AR	Compound, Locking	
2	5251012	6	Bolt M10 x 25	
3	5261000	6	Nut M10	
5	1001245317	1	Plate, Ground Control	
6	1001235528	1	Support	
7	1001235529	1	Bracket	

FIGURE 2-17. ELECTRICAL PANEL ASSEMBLY

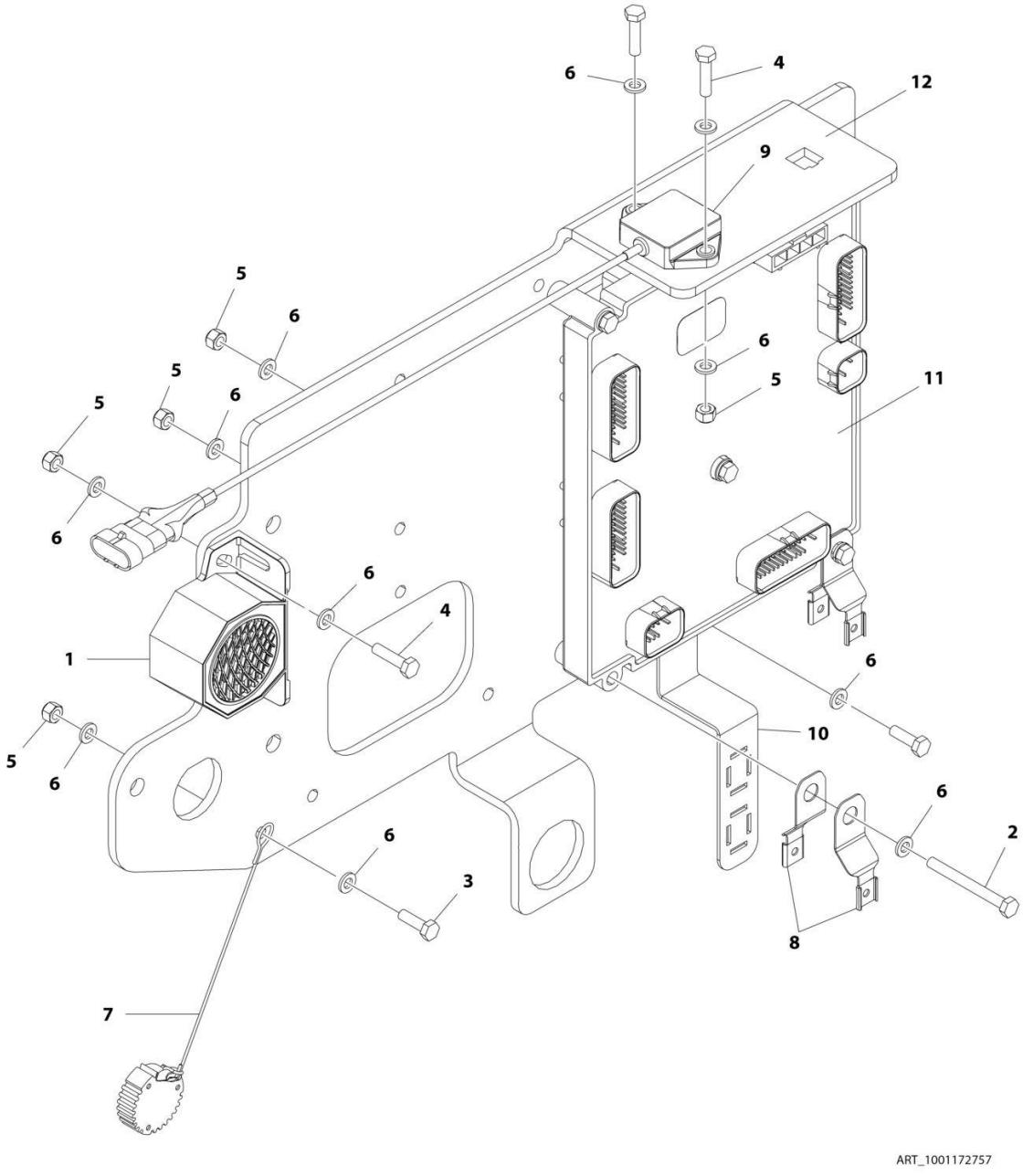


FIGURE 2-17. ELECTRICAL PANEL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172757	Ref	ELECTRICAL PANEL ASSEMBLY	E
1	0140043	1	Alarm	
1	4460536	1	Plug, Male - 3 Position	
1	4460943	3	Terminal	
2	0700620	5	Bolt M6 x 60	
3	0760610	2	Bolt M6 x 20	
4	0760612	4	Bolt M6 x 25	
5	3290605	11	Nut M6	
6	4811700	22	Washer M6	
7	1001106736	1	Cap, Dust	
8	1001120328	4	Clip, Mounting	
9	1001219601	1	Sensor	
10	1001159162	1	Bracket	
11	1001170094	1	Module, Ground Control (Note: Re-calibration Required when Replaced.)	
12	1001215373	1	Plate	

FIGURE 2-18. AUXILIARY PUMP AND BATTERY INSTALLATION (WITHOUT DISCONNECT)

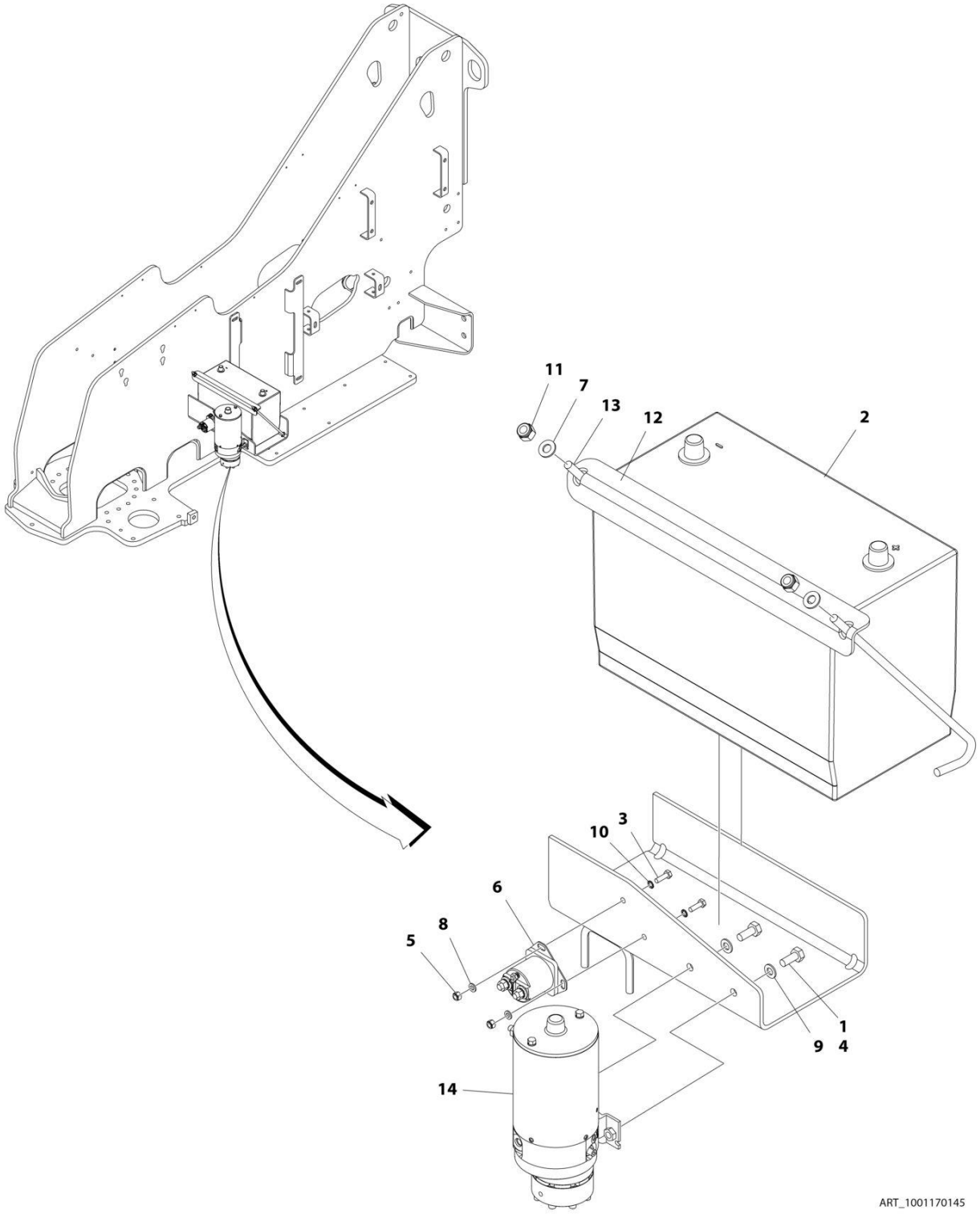


FIGURE 2-18. AUXILIARY PUMP AND BATTERY INSTALLATION (WITHOUT DISCONNECT)

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

FIGURE 2-19. AUXILIARY PUMP AND BATTERY INSTALLATION (WITH DISCONNECT)

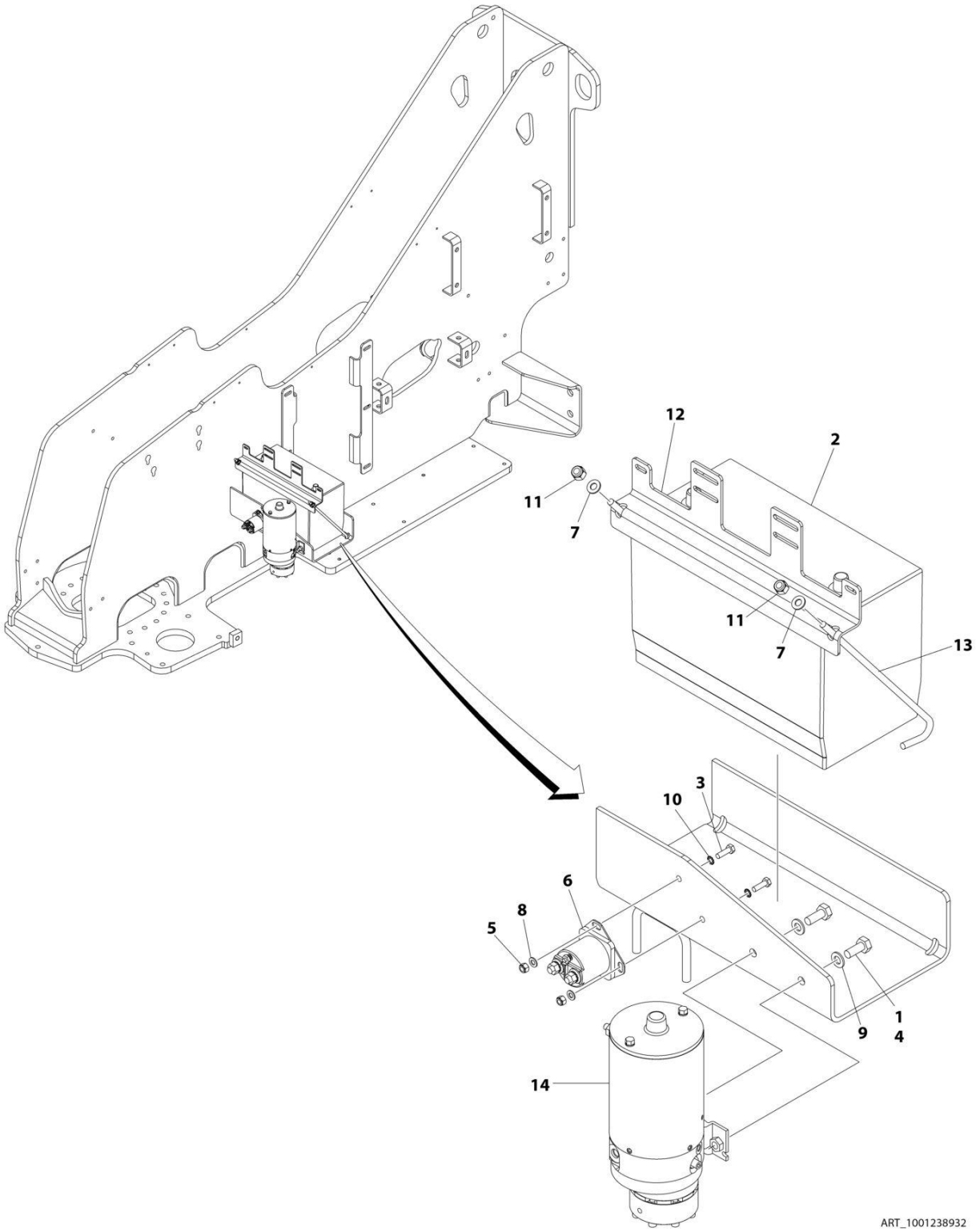


FIGURE 2-19. AUXILIARY PUMP AND BATTERY INSTALLATION (WITH DISCONNECT)

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

FIGURE 2-20. AUXILIARY PUMP ASSEMBLY

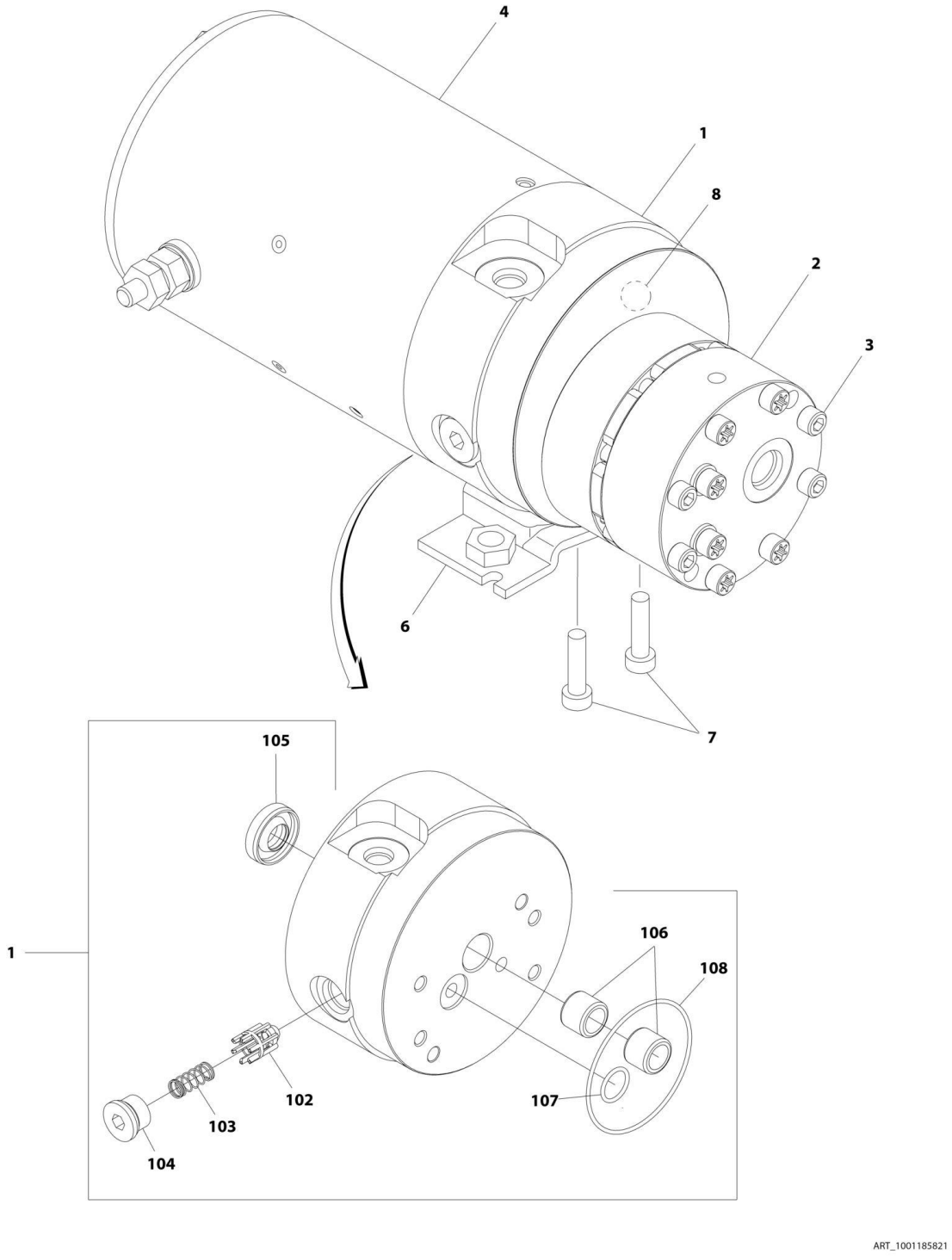


FIGURE 2-20. AUXILIARY PUMP ASSEMBLY

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

FIGURE 2-21. BEACON LIGHT INSTALLATION - AMBER

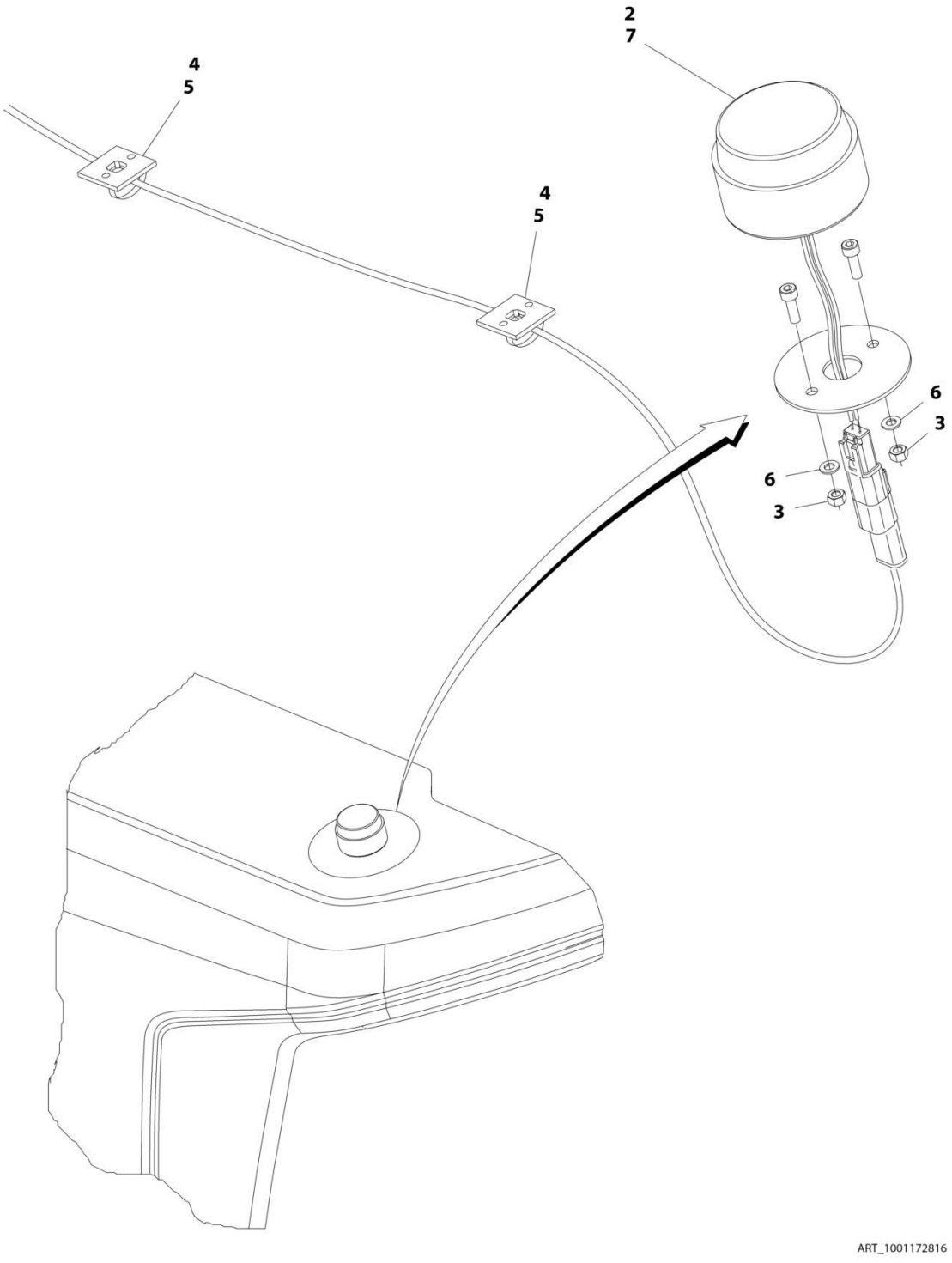


FIGURE 2-21. BEACON LIGHT INSTALLATION - AMBER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172816	Ref	BEACON LIGHT INSTALLATION - AMBER	C
2	1001181405	1	Light, Strobe (Amber)	
2	4460897	1	Receptacle, Female - 2 Position	
2	4460464	2	Pin, Male	
3	3290505	2	Nut M5	
4	4240032	AR	Tie-Strap	
5	4460234	2	Mount, Tie-Strap	
6	4811600	2	Washer M5	
7	0100048	1	Grease, Terminal	

FIGURE 2-22. BEACON LIGHT INSTALLATION - BLUE

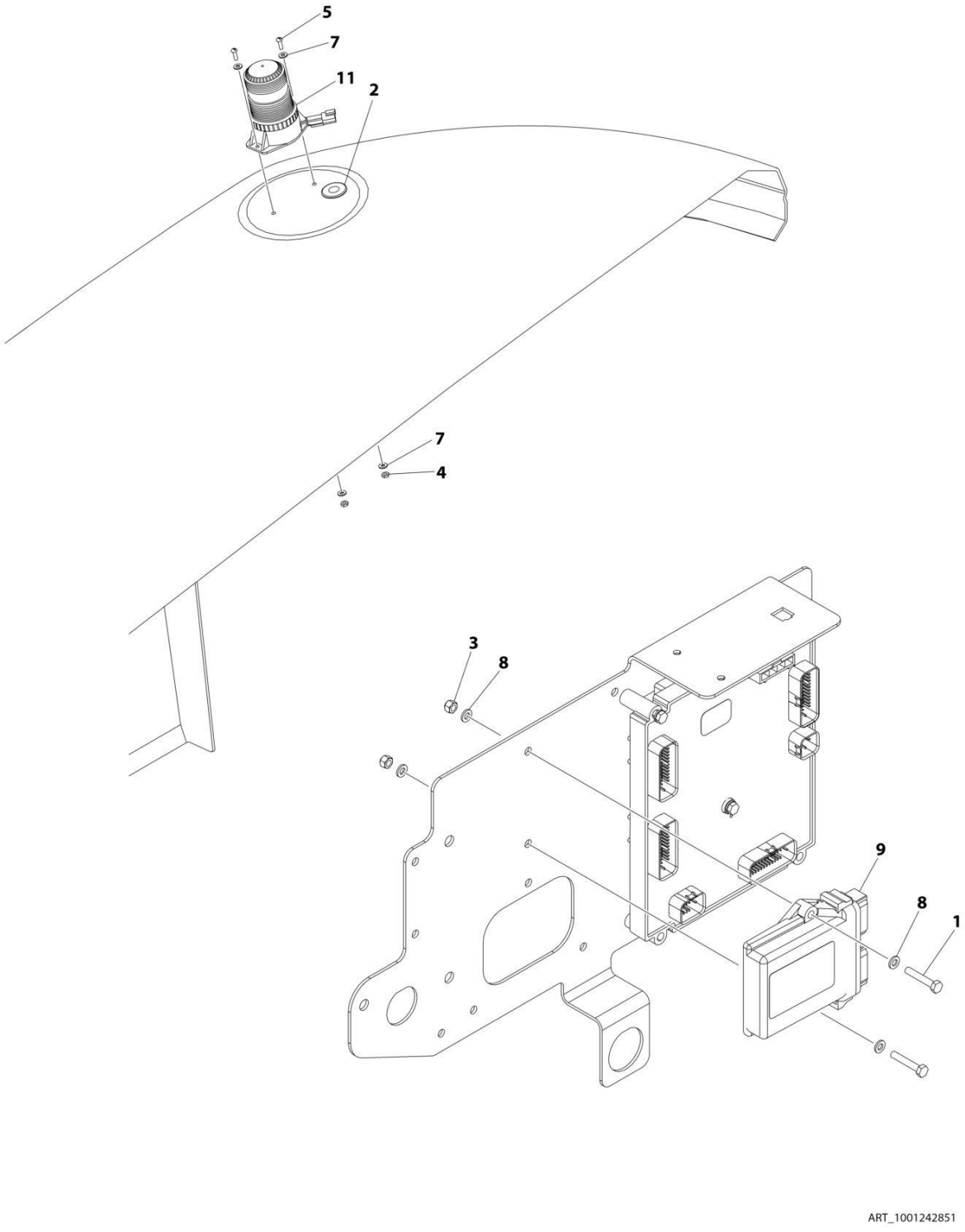


FIGURE 2-22. BEACON LIGHT INSTALLATION - BLUE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242851	Ref	BEACON LIGHT INSTALLATION - BLUE	A
1	0760615	2	Bolt M6 x 35	
2	2540020	1	Grommet, Insulation	
3	3290605	2	Nut M6	
4	3311005	2	Nut #10	
5	3911010	2	Screw #10 x 5/8	
6	4240099	AR	Tie-Strap (Not Shown)	
7	4711000	4	Washer #10	
8	4811700	4	Washer M6	
9	1001142683	1	Control Module (Note: Re-calibration Required when Replaced)	
10	1001142736	1	Beacon Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
11	1001200910	1	Light, Beacon	
11	4460897	1	Receptacle, Female - 2 Position	
11	4460943	2	Pin, Male	

FIGURE 2-23. BEACON LIGHT INSTALLATION - RED

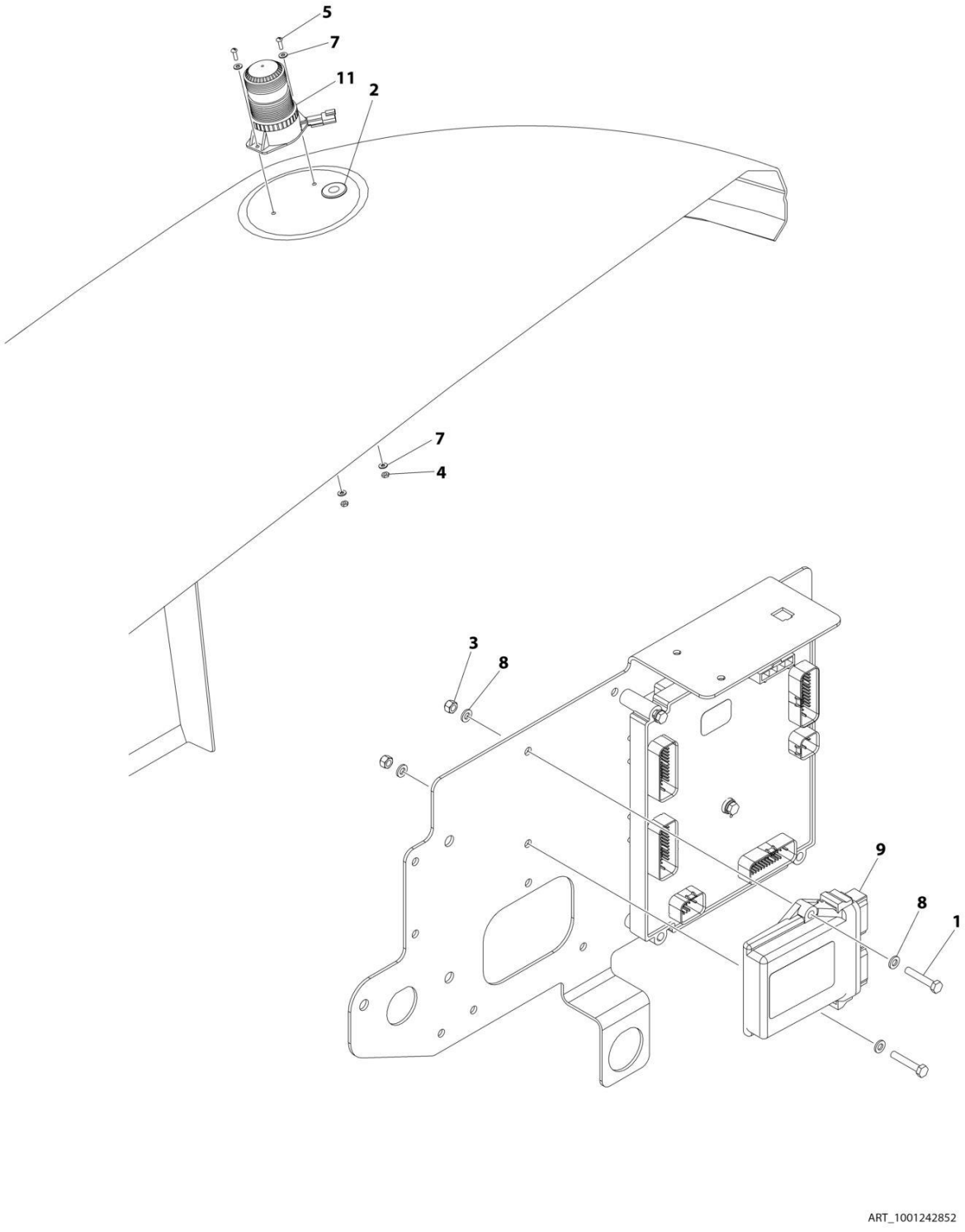


FIGURE 2-23. BEACON LIGHT INSTALLATION - RED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242852	Ref	BEACON LIGHT INSTALLATION - RED	A
1	0760615	2	Bolt M6 x 35	
2	2540020	1	Grommet, Insulation	
3	3290605	2	Nut M6	
4	3311005	2	Nut #10	
5	3911010	2	Screw #10 x 5/8	
6	4240099	AR	Tie-Strap (Not Shown)	
7	4711000	4	Washer #10	
8	4811700	4	Washer M6	
9	1001142683	1	Control Module (Note: Re-calibration Required when Replaced)	
10	1001142736	1	Beacon Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
11	1001207004	1	Light, Red Beacon	
11	4460897	1	Receptacle, Female - 2 Position	
11	4460943	2	Pin, Male	

FIGURE 2-24. BEARING LUBE INSTALLATION

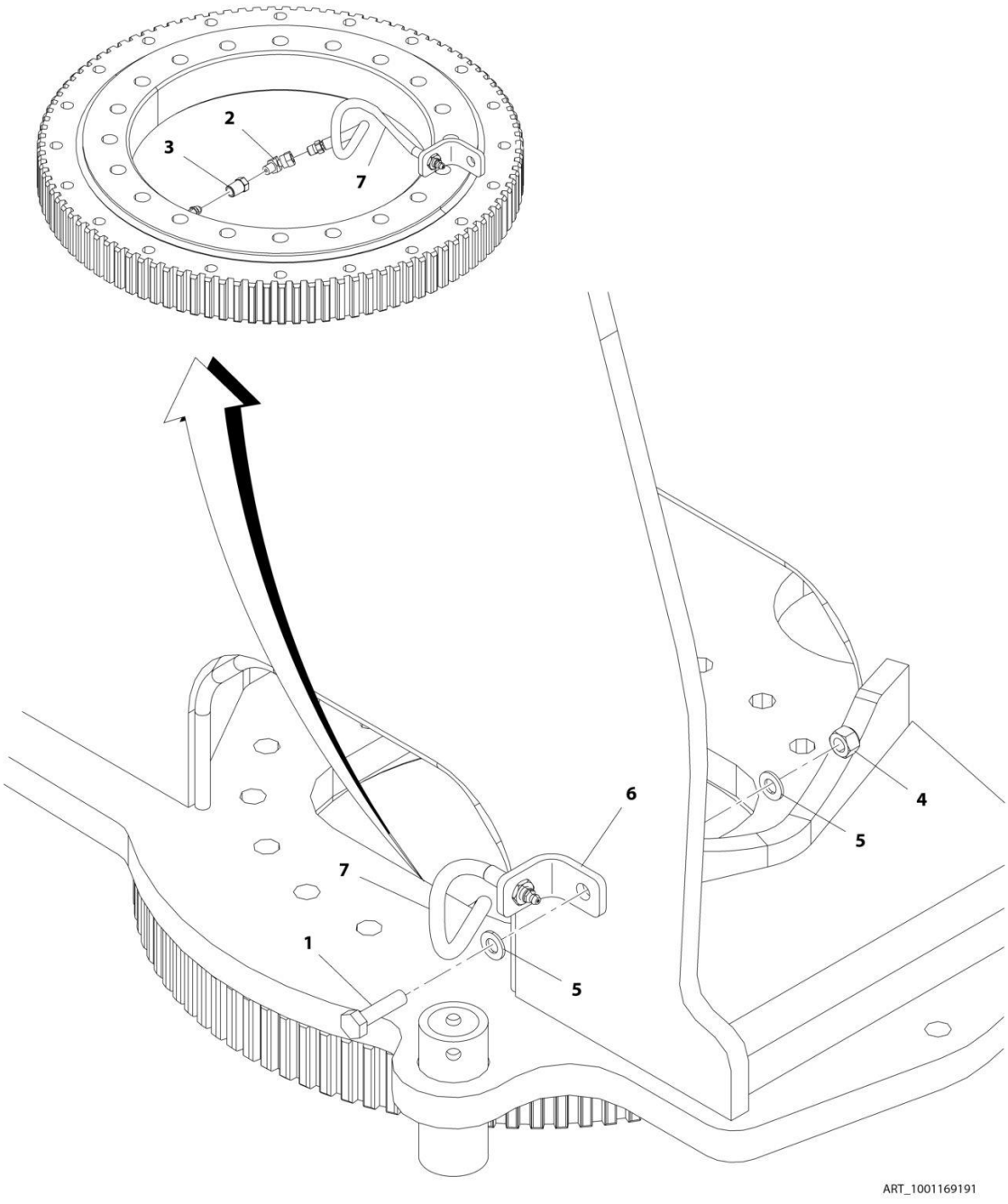
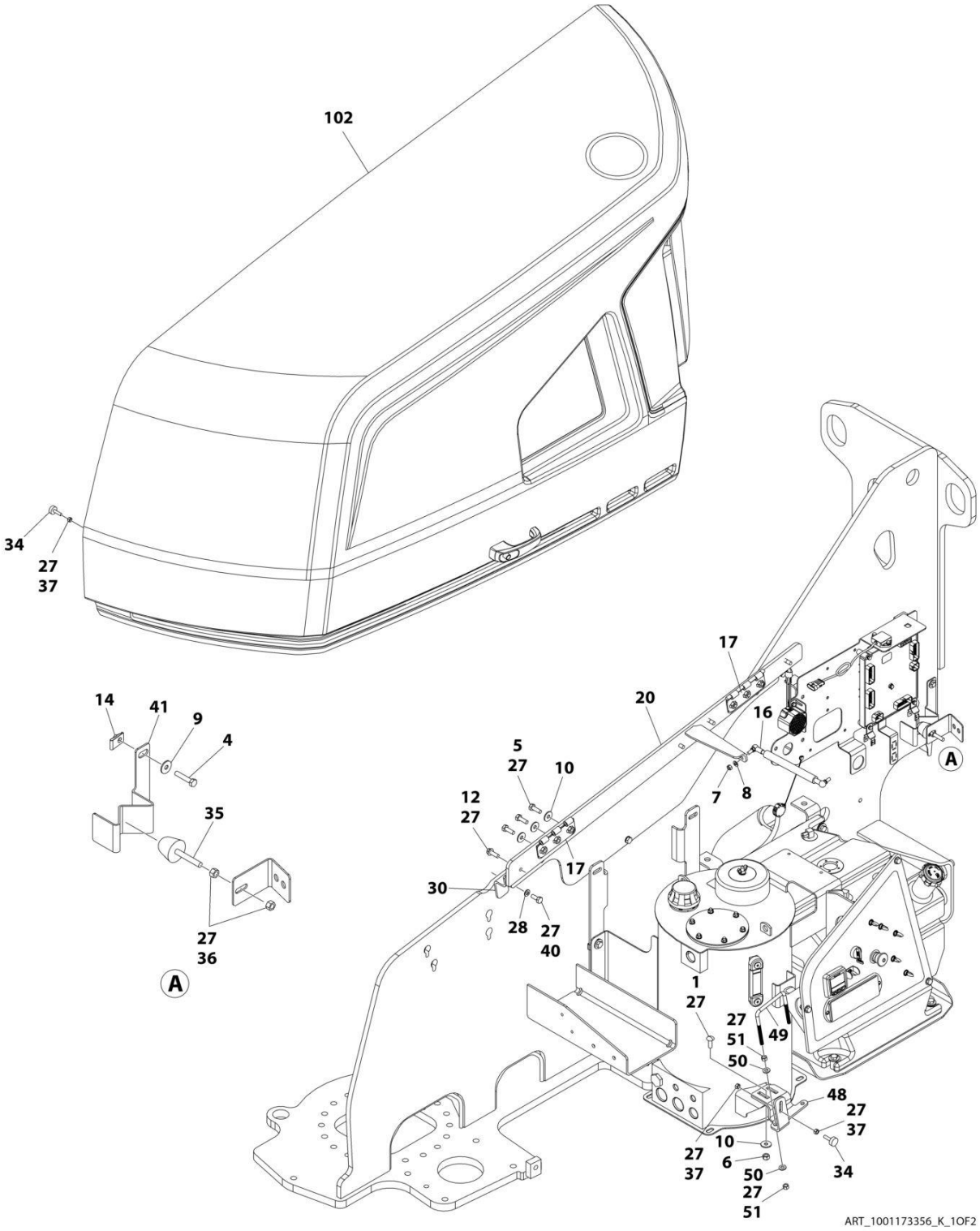


FIGURE 2-24. BEARING LUBE INSTALLATION

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

FIGURE 2-25. HOOD INSTALLATION



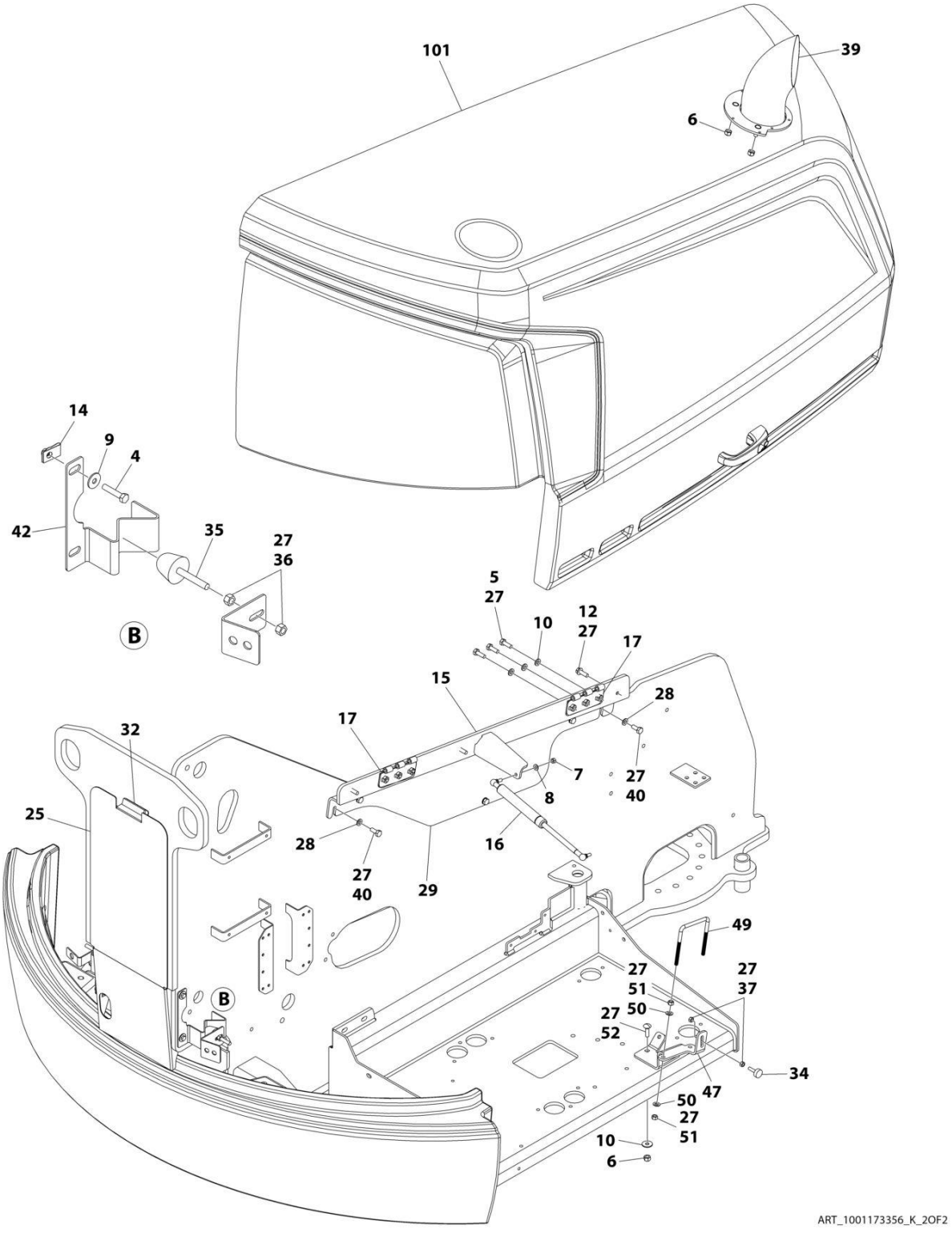
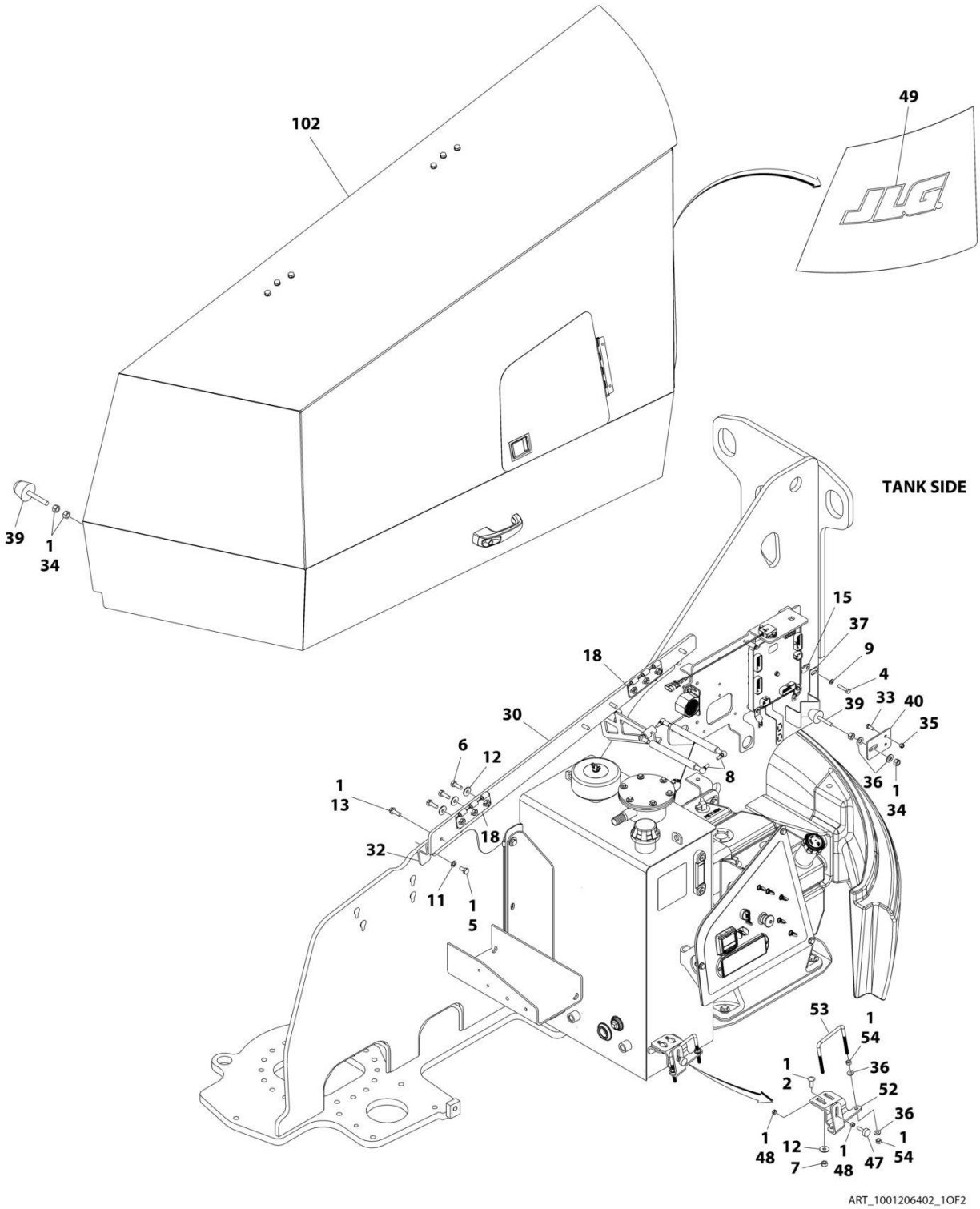

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ART_1001173356_K_2OF2

FIGURE 2-25. HOOD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173356	Ref	HOOD INSTALLATION	K
1	0630613	2	Bolt M10 x 30	
4	0760816	4	Bolt M8 x 40	
5	0761014	12	Bolt M10 x 30	
6	3291005	7	Nut M10	
7	3311505	2	Nut 5/16	
8	4711500	2	Washer 5/16	
9	4811902	4	Washer M8	
10	4812002	16	Washer M10	
12	5251014	8	Bolt M10 x 30	
14	1001149160	4	Nut, Tinnerman M8	
15	1001167159	1	Mount, Adjustment	
16	4160182	2	Spring, Gas	
17	1001169046	4	Nut	
20	1001170850	1	Mount, Adjustment	
25	1001173354	1	Cover	
27	0100011	AR	Compound, Locking	
28	4812000	10	Washer M10	
29	1001165060	1	Plate	
30	1001168173	1	Mount, Hinge	
32	90200755	AR	Tape, Gasket	
34	0940049	4	Stopper	
35	1001206314	2	Bumper	
36	3271601	4	Nut 3/8	
37	3311501	8	Nut 5/16	
39	1001174098	1	Outlet, Exhaust	
40	0761012	10	Bolt M10 x 25	
41	1001199207	1	Bracket, Bumper	
42	1001199901	1	Bracket, Bumper	
47	1001250287	1	Bracket, Engine	
48	1001250289	1	Bracket, Tank	
49	1001243414	2	Bolt, U-Bolt	
50	4711600	8	Washer 3/8	
51	3311601	8	Nut 3/8	
52	1001228406	2	Bolt M10 x 35	
100	1001202298	1	Hood Kit (Not Shown) (Includes Items 101-102)	
101	1001170551	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001170552	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

FIGURE 2-26. STEEL HOOD INSTALLATION (ANSI EXPORT SPECS)



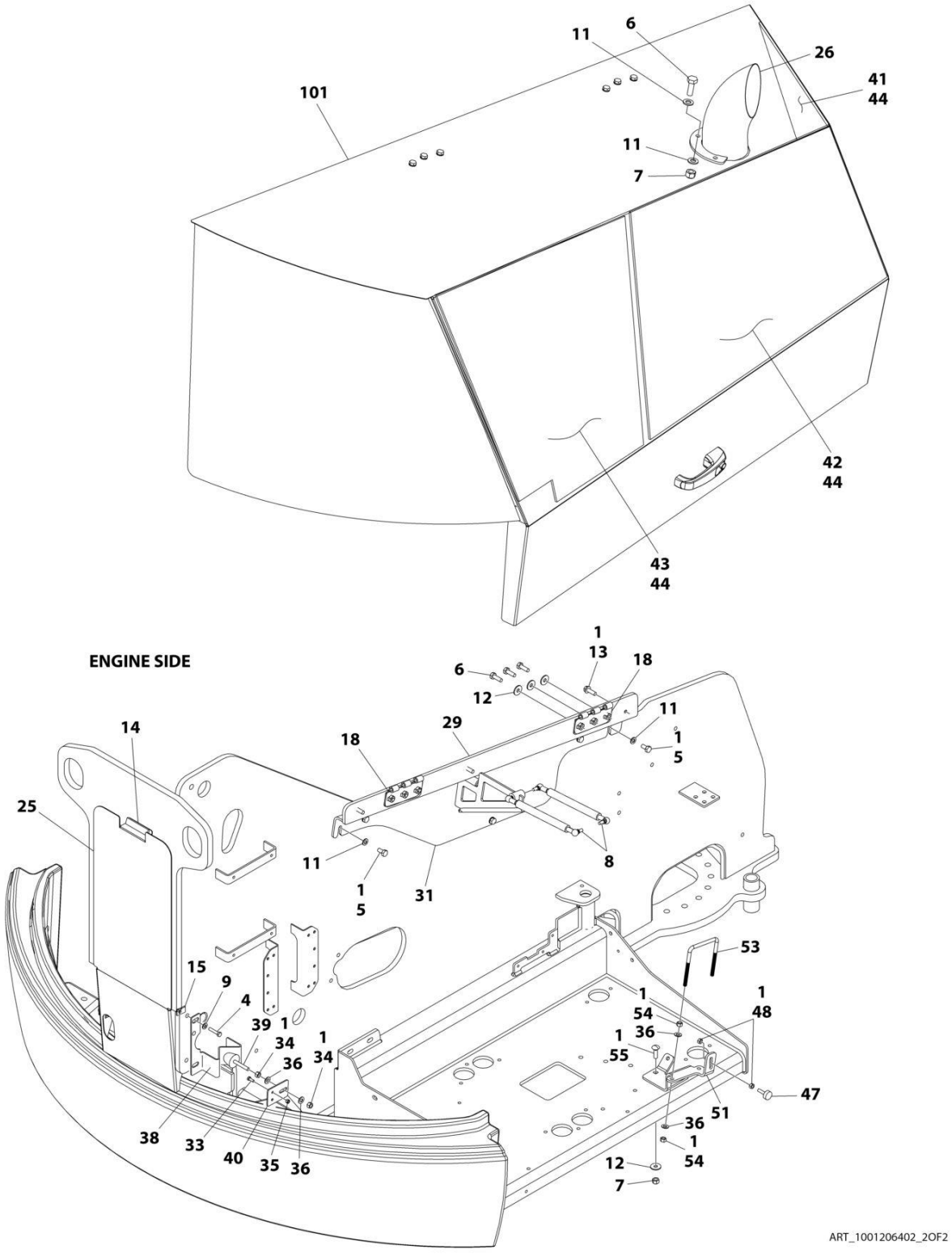

ENGINE SIDE
ART_1001206402_2OF2

FIGURE 2-26. STEEL HOOD INSTALLATION (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206402	Ref	STEEL HOOD INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0630613	2	Bolt M10 x 30	
4	0760816	4	Bolt M8 x 40	
5	0761012	10	Bolt M10 x 25	
6	0761014	15	Bolt M10 x 30	
7	3291005	7	Nut M10	
8	1001167918	4	Spring, Gas	
9	4811900	4	Washer M8	
11	4812000	16	Washer M10	
12	4812002	16	Washer M10	
13	5251012	8	Bolt M10 x 25	
14	90200755	85 mm	Tape, Gasket	
15	1001149160	4	Nut, Tinnerman M8	
18	1001169046	4	Nut	
25	1001173354	1	Cover	
26	1001174098	1	Outlet, Exhaust	
29	1001211633	1	Plate	
30	1001211636	1	Plate	
31	1001212819	1	Mount, Hinge	
32	1001212822	1	Mount, Hinge	
33	0760608	4	Bolt M6 x 16	
34	3271601	8	Nut 3/8	
35	3290605	4	Nut M6	
36	4711600	4	Washer 3/8	
37	1001199207	1	Bracket, Bumper	
38	1001199901	1	Bracket, Bumper	
39	1001206314	4	Bumper	
40	1001219134	2	Plate, Bumper Mount	
41	1001222043	1	Insulate, Heat Shield	
42	1001222044	1	Insulate, Heat Shield	
43	1001223387	1	Insulate, Heat Shield	
44	1001117140	AR	Tape	
47	0940049	2	Stopper	
48	3311501	4	Nut	
49	1001159323	1	Decal - JLG	
50	1001113047	AR	Adhesive (Not Shown)	
51	1001250287	1	Bracket, Engine	
52	1001250289	1	Bracket, Tank	
53	1001243414	2	Bolt, U-Bolt	
54	3311601	8	Nut 3/8	
55	1001228406	2	Bolt, Carriage	
100	1001206403	1	Hood Kit (Not Shown - Includes Items 101 & 102)	
101	1001206404	1	Steel Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001206418	1	Steel Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

FIGURE 2-27. HOOD ASSEMBLY - ENGINE SIDE

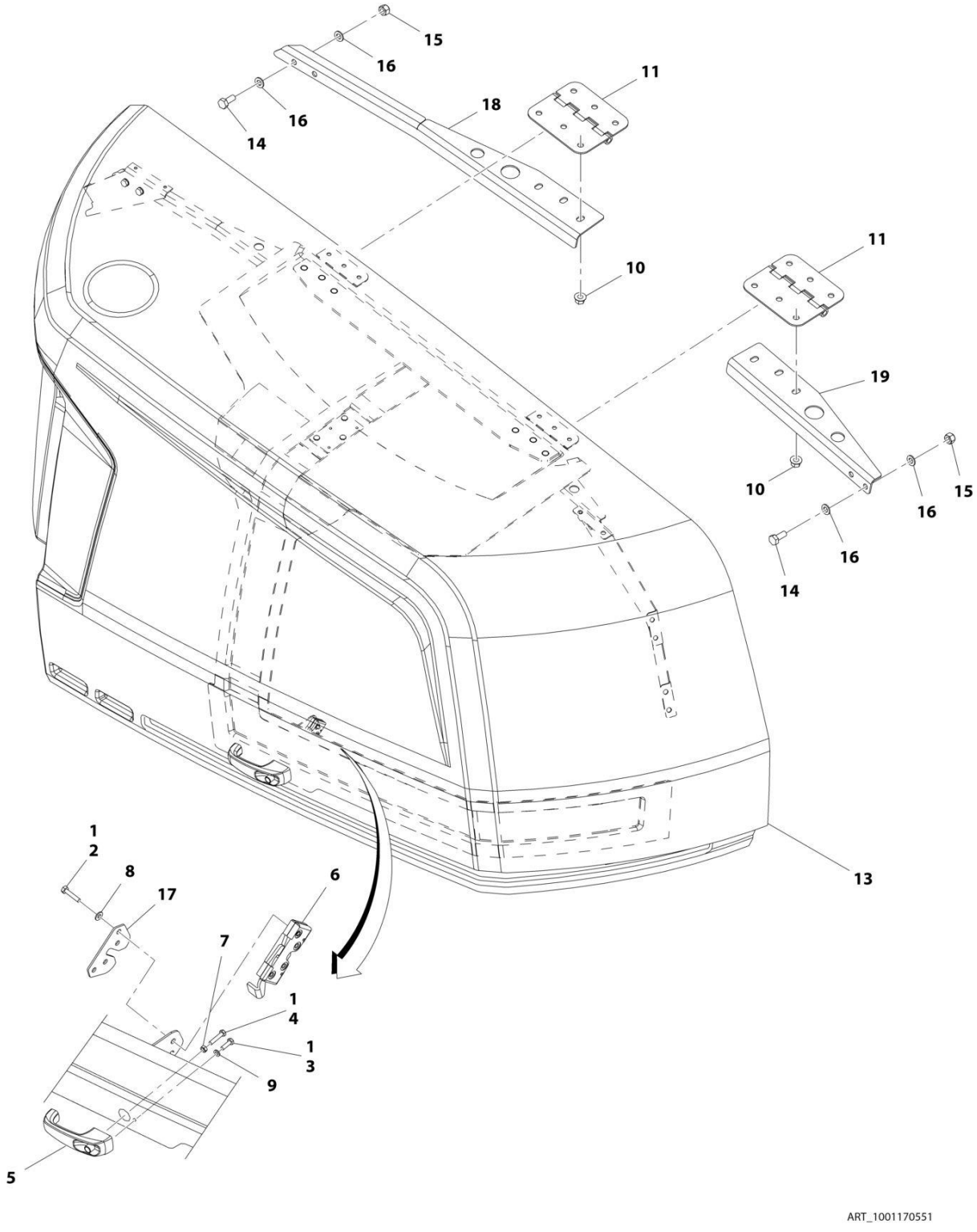


FIGURE 2-27. HOOD ASSEMBLY - ENGINE SIDE

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

FIGURE 2-28. HOOD ASSEMBLY - TANK SIDE

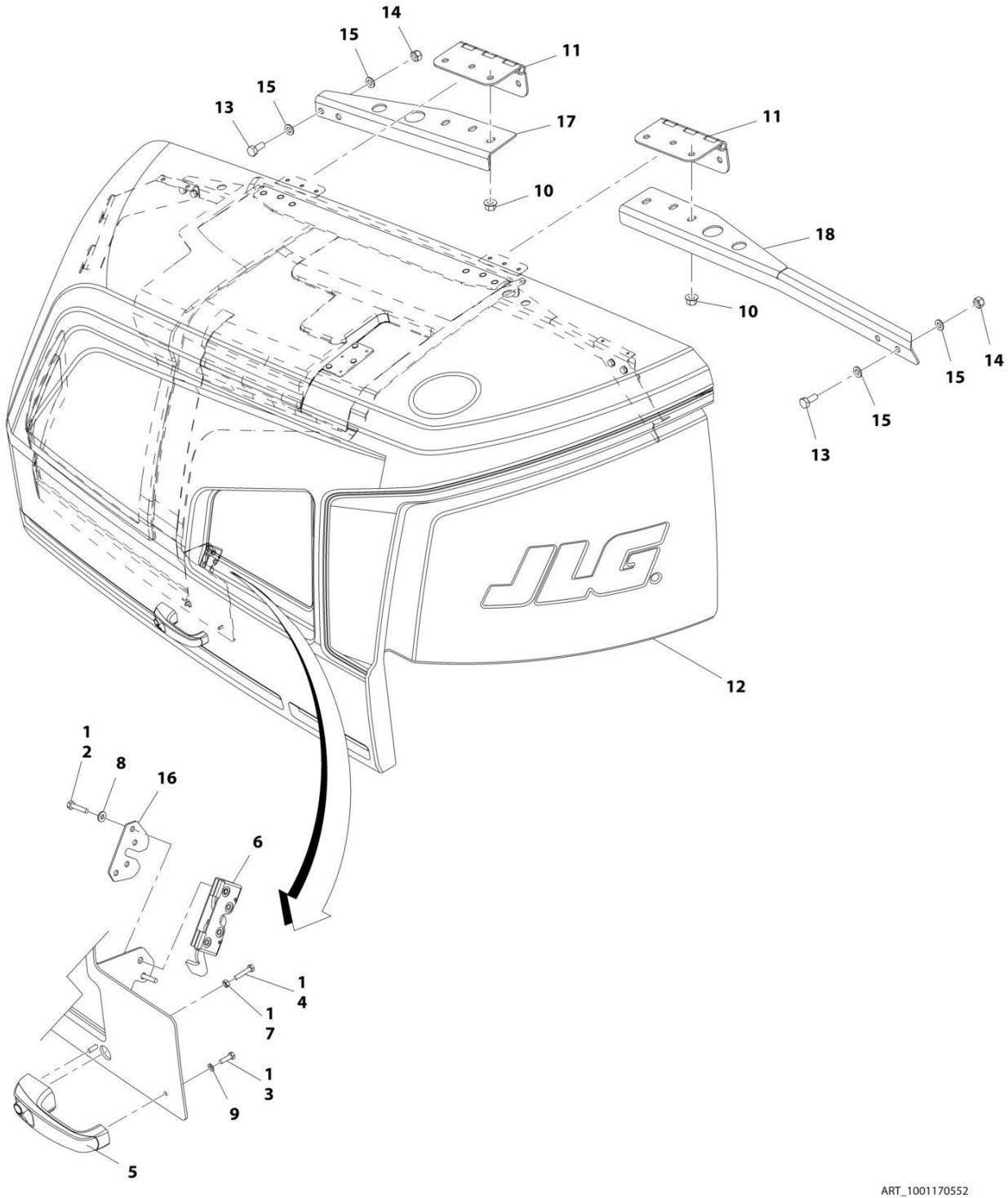


FIGURE 2-28. HOOD ASSEMBLY - TANK SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170552	Ref	HOOD ASSEMBLY - TANK SIDE	F
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760610	2	Bolt M6 x 20	
4	0760614	1	Bolt M6 x 30	
5	2560187	1	Handle, Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	4711400	4	Washer 1/4	
9	4811700	2	Washer M6	
10	5261018	6	Nut M10 Grade 10.9	
11	1001139384	2	Hinge	
12	See Note	NSS	Hood (Note: Use PN 1001170552)	
13	0761012	4	Bolt M10 x 25	
14	3291005	4	Nut M10	
15	4812000	8	Washer M10	
16	1001200458	AR	Plate	
17	1001201633	1	Hood Support	
18	1001201634	1	Hood Support	

FIGURE 2-29. STEEL HOOD ASSEMBLY - ENGINE SIDE

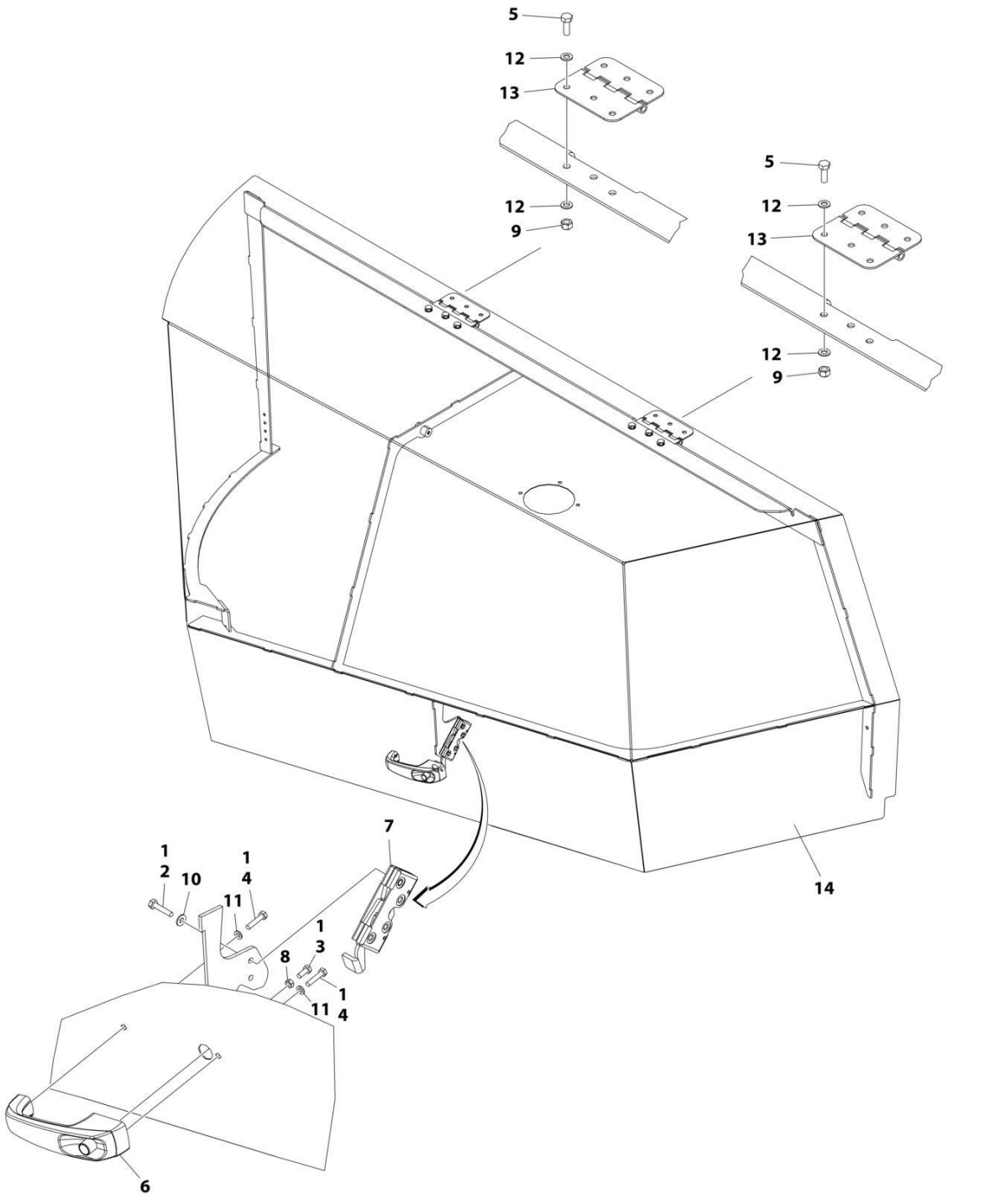


FIGURE 2-29. STEEL HOOD ASSEMBLY - ENGINE SIDE

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

FIGURE 2-30. STEEL HOOD ASSEMBLY - TANK SIDE

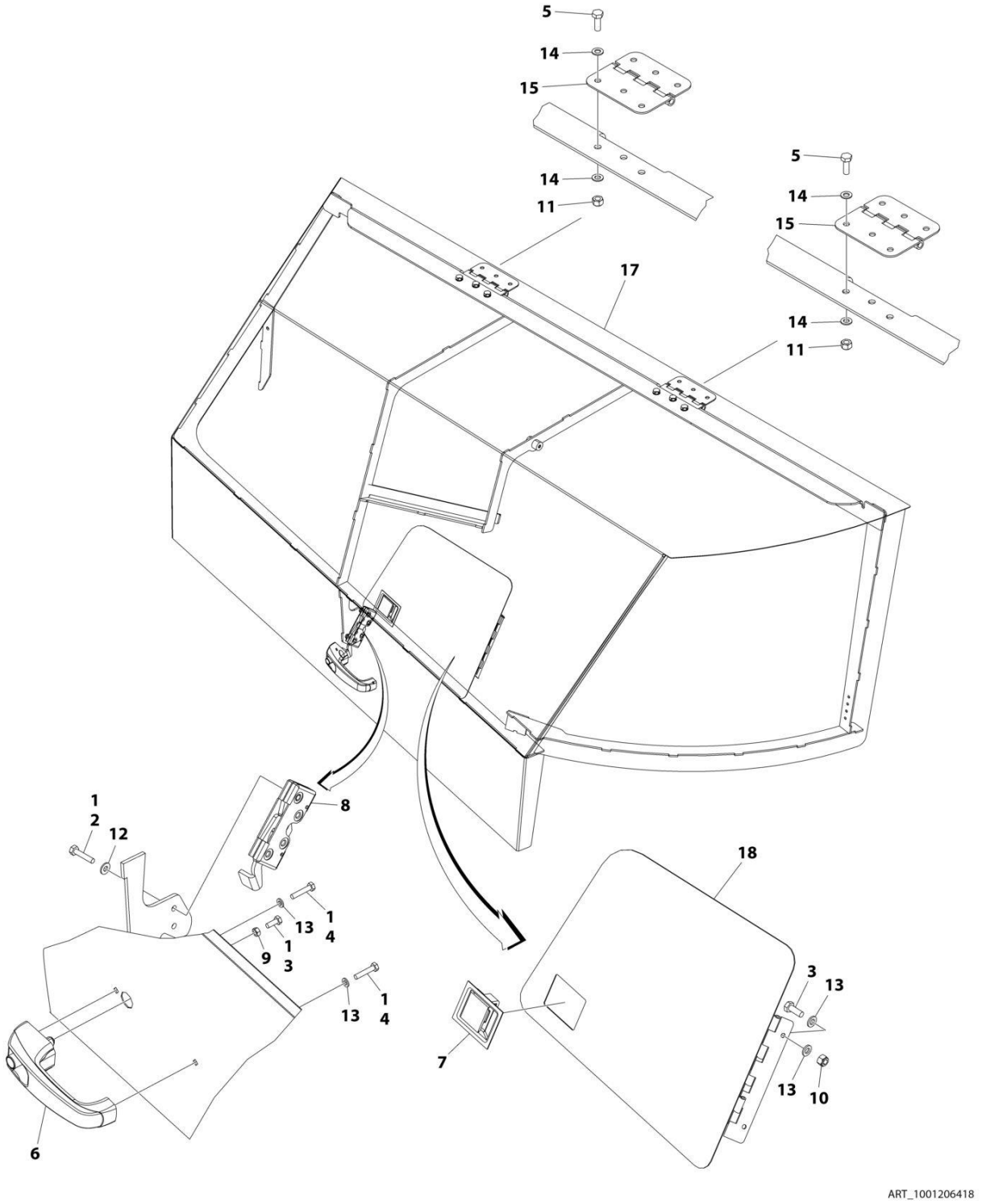


FIGURE 2-30. STEEL HOOD ASSEMBLY - TANK SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206418	Ref	STEEL HOOD ASSEMBLY - TANK SIDE	F
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760608	3	Bolt M6 x 16	
4	0760614	2	Bolt M6 x 30	
5	0761014	6	Bolt M10 x 30	
6	2560187	1	Handle, Push Button	
7	2940045	1	Latch, Paddle	
8	2940173	1	Latch, Rotary	
9	3290601	1	Nut M6	
10	3290605	2	Nut M6	
11	3291005	6	Nut M10	
12	4711400	4	Washer 1/4	
13	4811700	6	Washer M6	
14	4812000	12	Washer M10	
15	1001139384	2	Hinge	
17	See Note	NSS	Hood - Tank Side (Note: Use PN 1001206418)	
18	1001207726	1	Door, Ground Control Panel	

FIGURE 2-31. KEYSWITCH AND PANEL DECAL INSTALLATION - 400SC

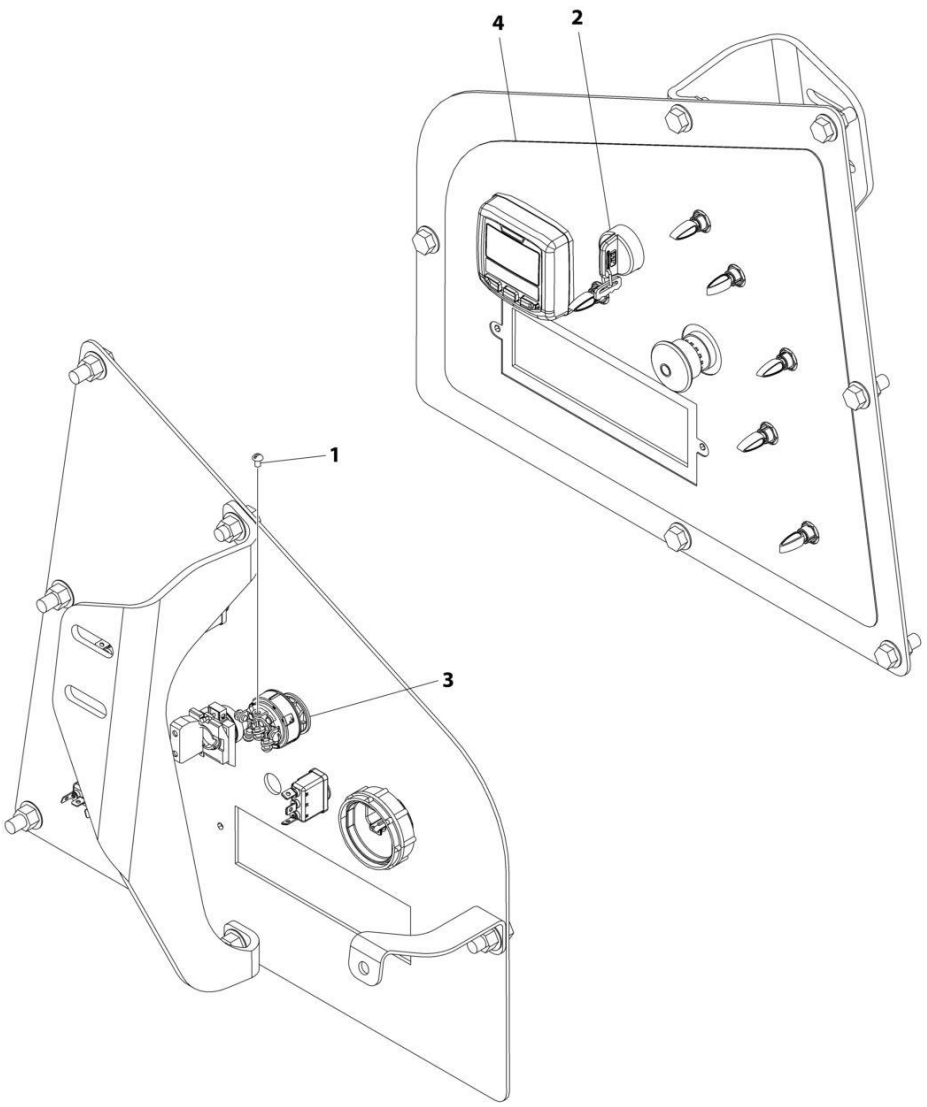


FIGURE 2-31. KEYSWITCH AND PANEL DECAL INSTALLATION - 400SC

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

FIGURE 2-32. KEYSWITCH AND PANEL DECAL INSTALLATION - 400SC (CE & UK CA (LRC) SPEC)

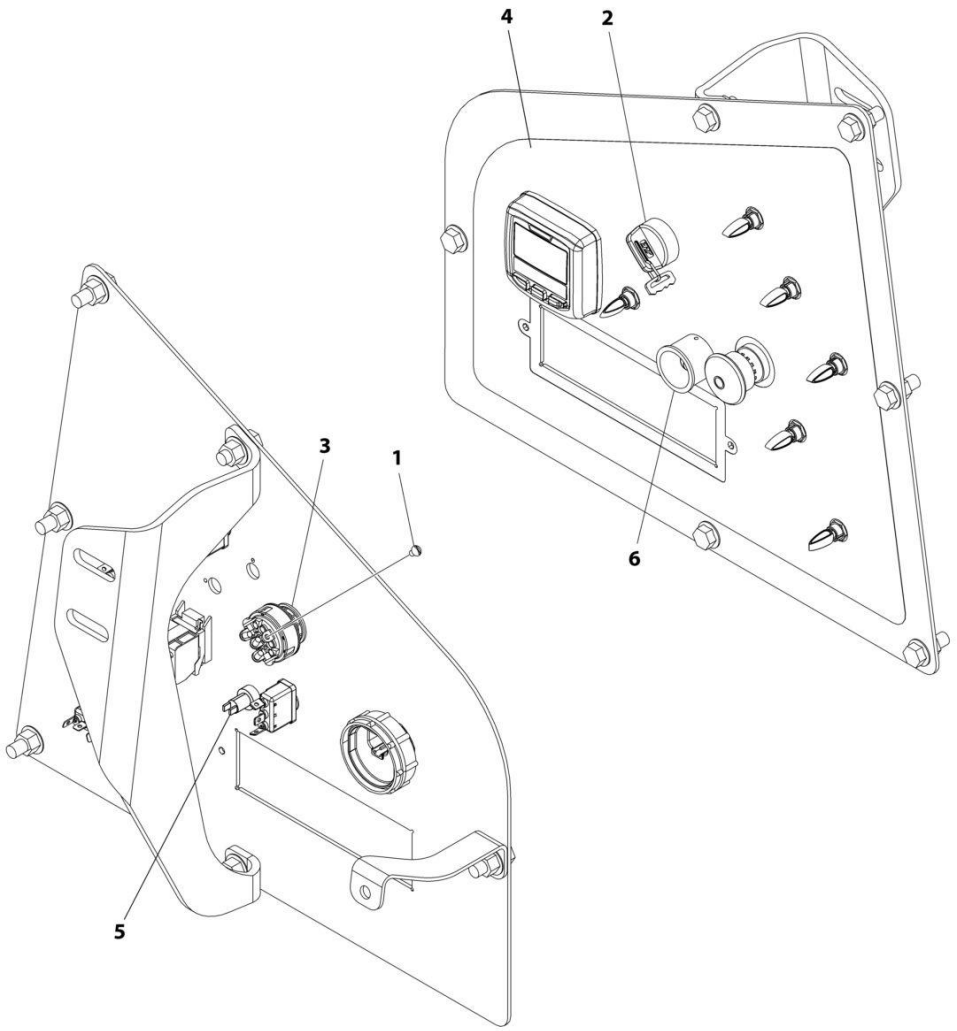


FIGURE 2-32. KEYSWITCH AND PANEL DECAL INSTALLATION - 400SC (CE & UK CA (LRC) SPEC)

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

FIGURE 2-33. KEYSWITCH AND PANEL DECAL INSTALLATION - 400SC WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC)

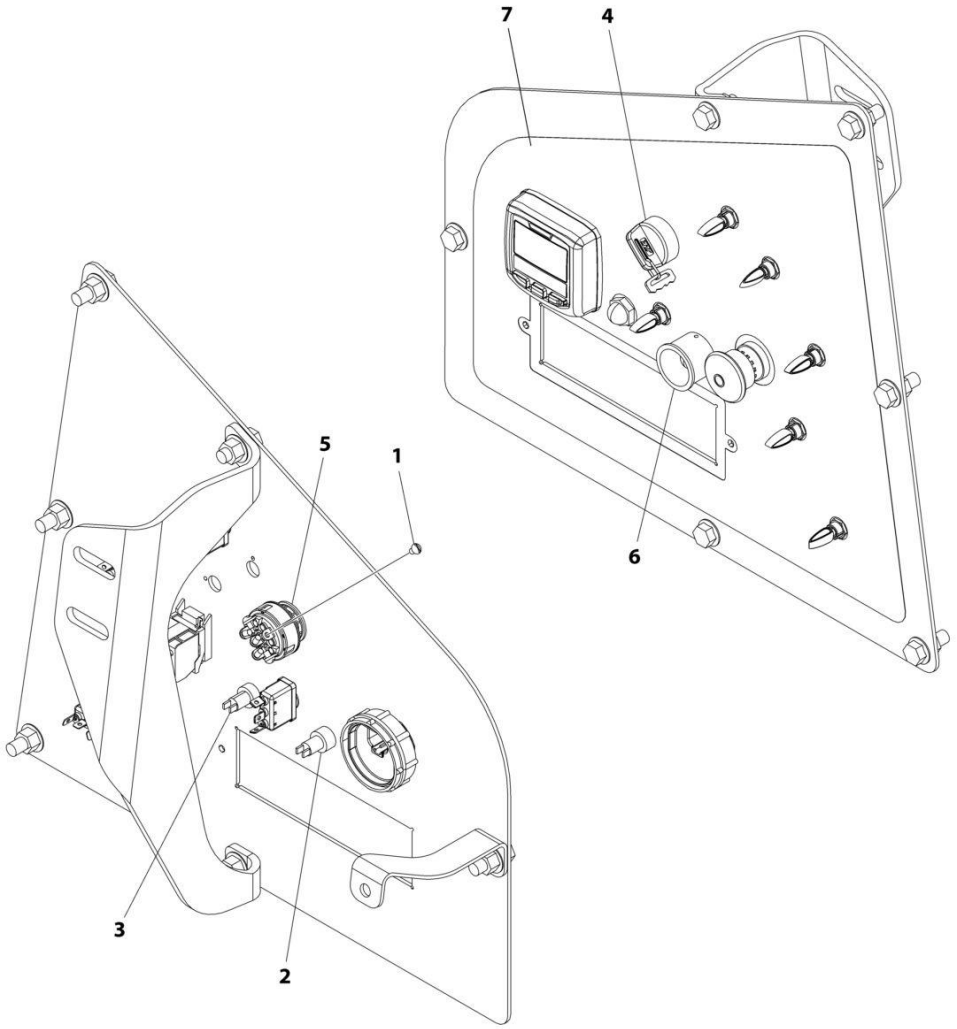
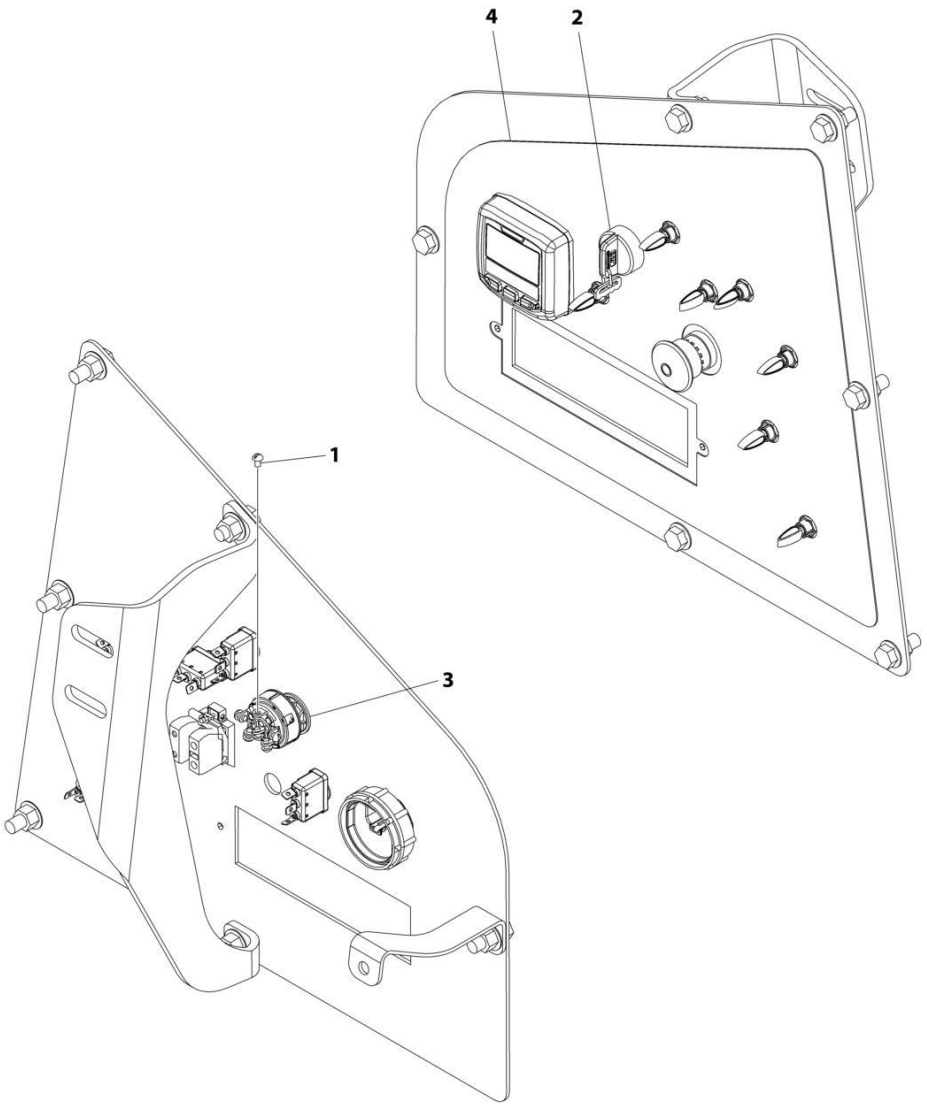


FIGURE 2-33. KEYSWITCH AND PANEL DECAL INSTALLATION - 400SC WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC)

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

FIGURE 2-34. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJC



ART_1001222144

FIGURE 2-34. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJC

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

FIGURE 2-35. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJC (CE & UK CA (LRC) SPEC)

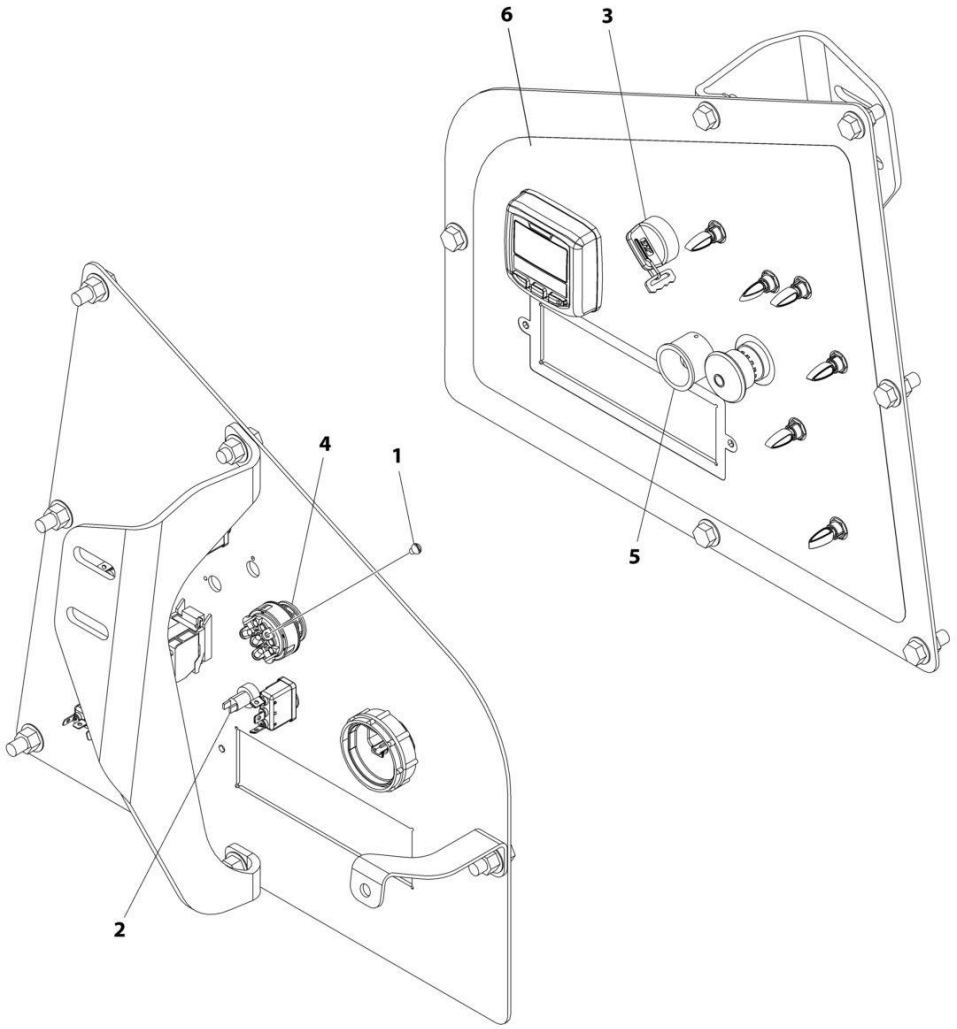


FIGURE 2-35. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJC (CE & UK CA (LRC) SPEC)

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

FIGURE 2-36. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJC WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC)

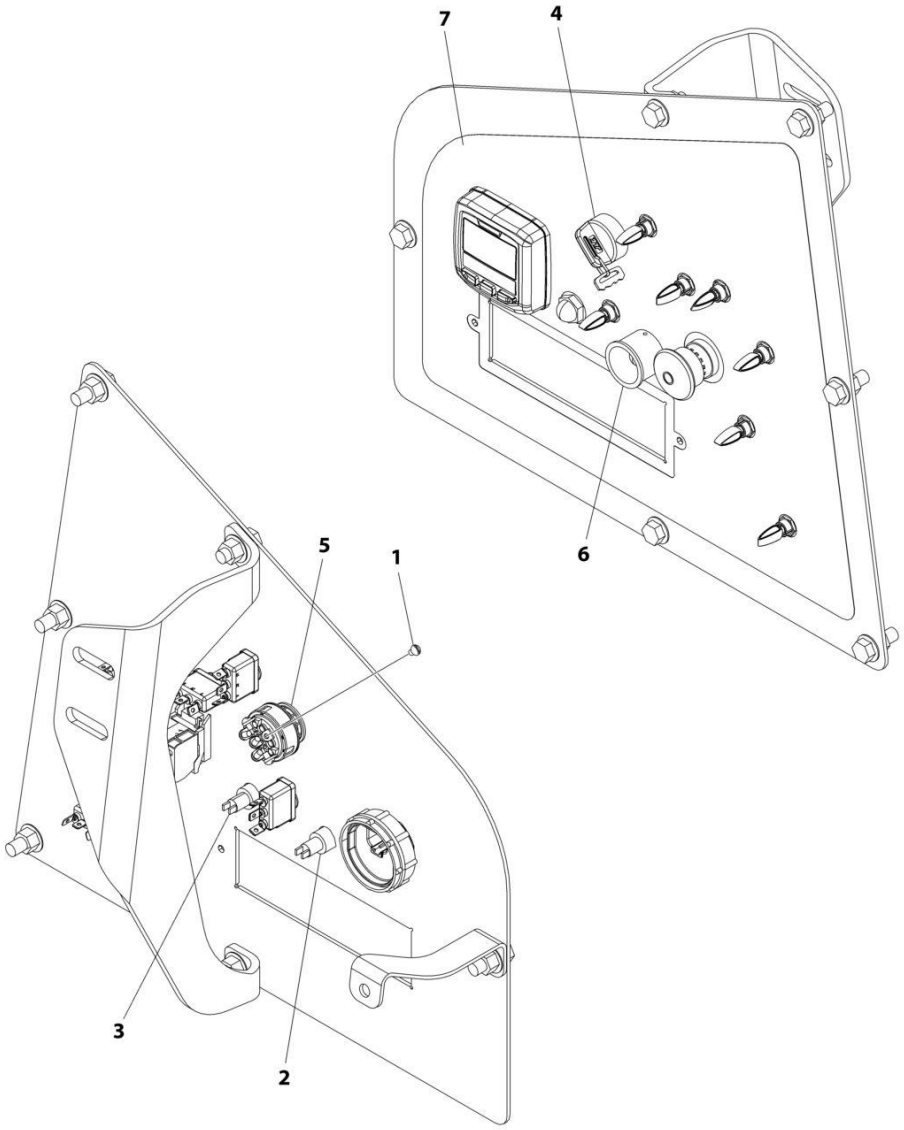


FIGURE 2-36. KEYSWITCH AND PANEL DECAL INSTALLATION - 460SJC WITH DEUTZ D2.9L4 (STAGE V) ENGINES (CE & UK CA SPEC)

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

FIGURE 2-37. LIGHT PANEL INSTALLATION

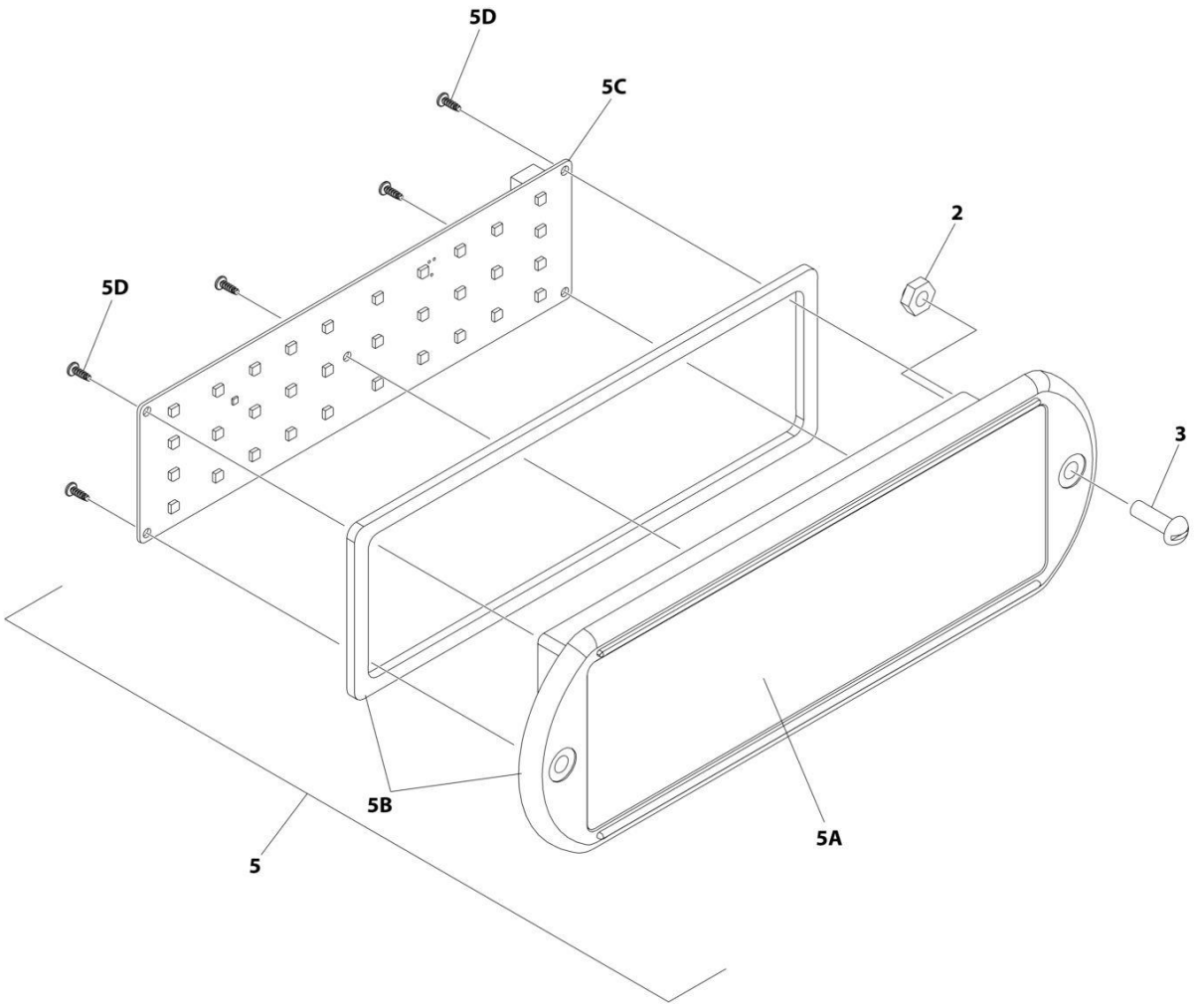


FIGURE 2-37. LIGHT PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233959	Ref	LIGHT PANEL INSTALLATION	C
2	3300408	2	Nut, Nylon Insert	
3	0630518	2	Screw #10 x 3/4	
5	1001237546	1	Light Panel Assembly	
5A	1001236091	1	Lens, I-Con/Bezel	
5C	1001187807	1	Panel, LED Light	
5D		Ref	Screw	

FIGURE 2-38. ROTARY COUPLING INSTALLATION

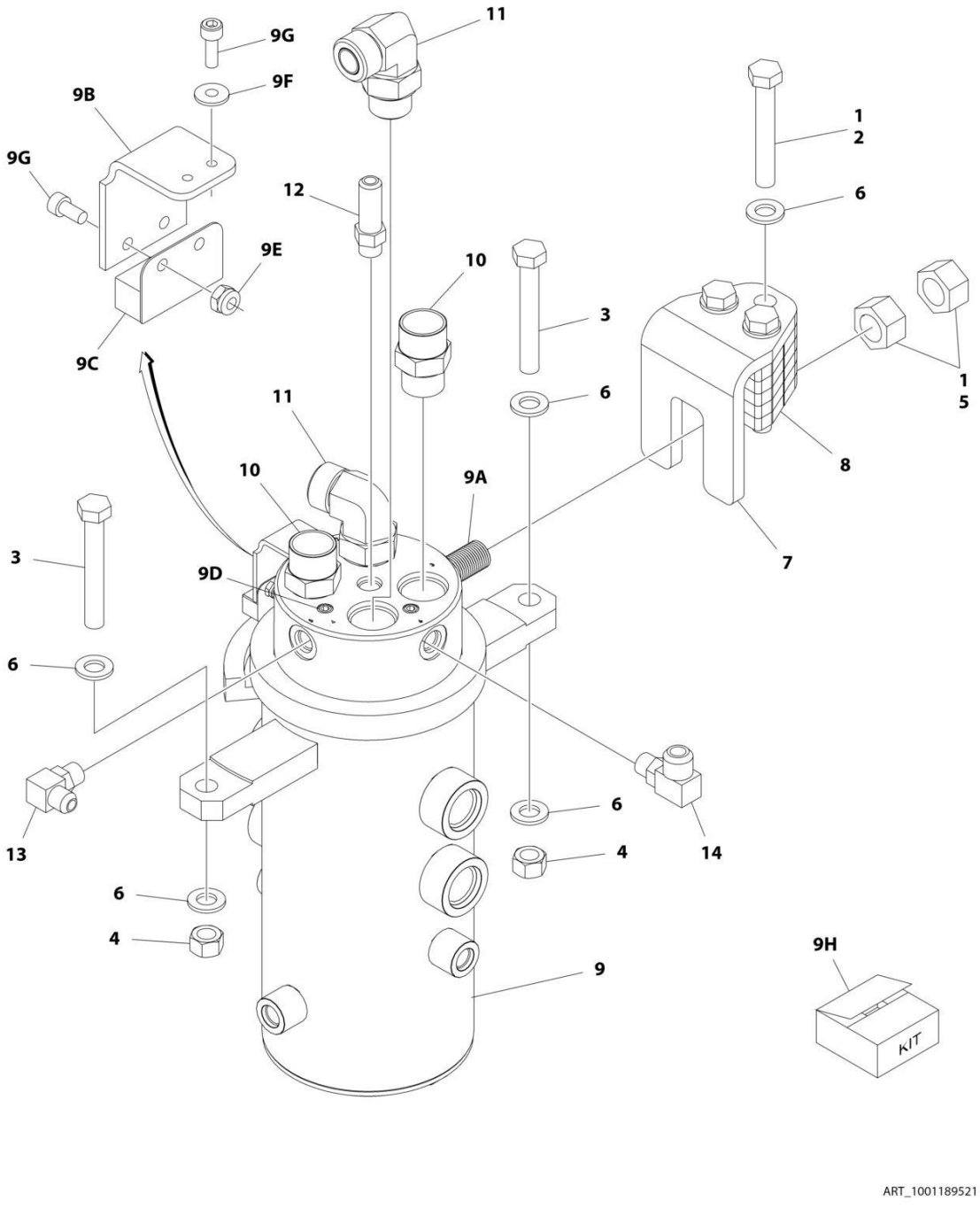


FIGURE 2-38. ROTARY COUPLING INSTALLATION

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

FIGURE 2-39. SOUND REDUCTION INSTALLATION - WITH STEEL HOODS (OPTIONAL)

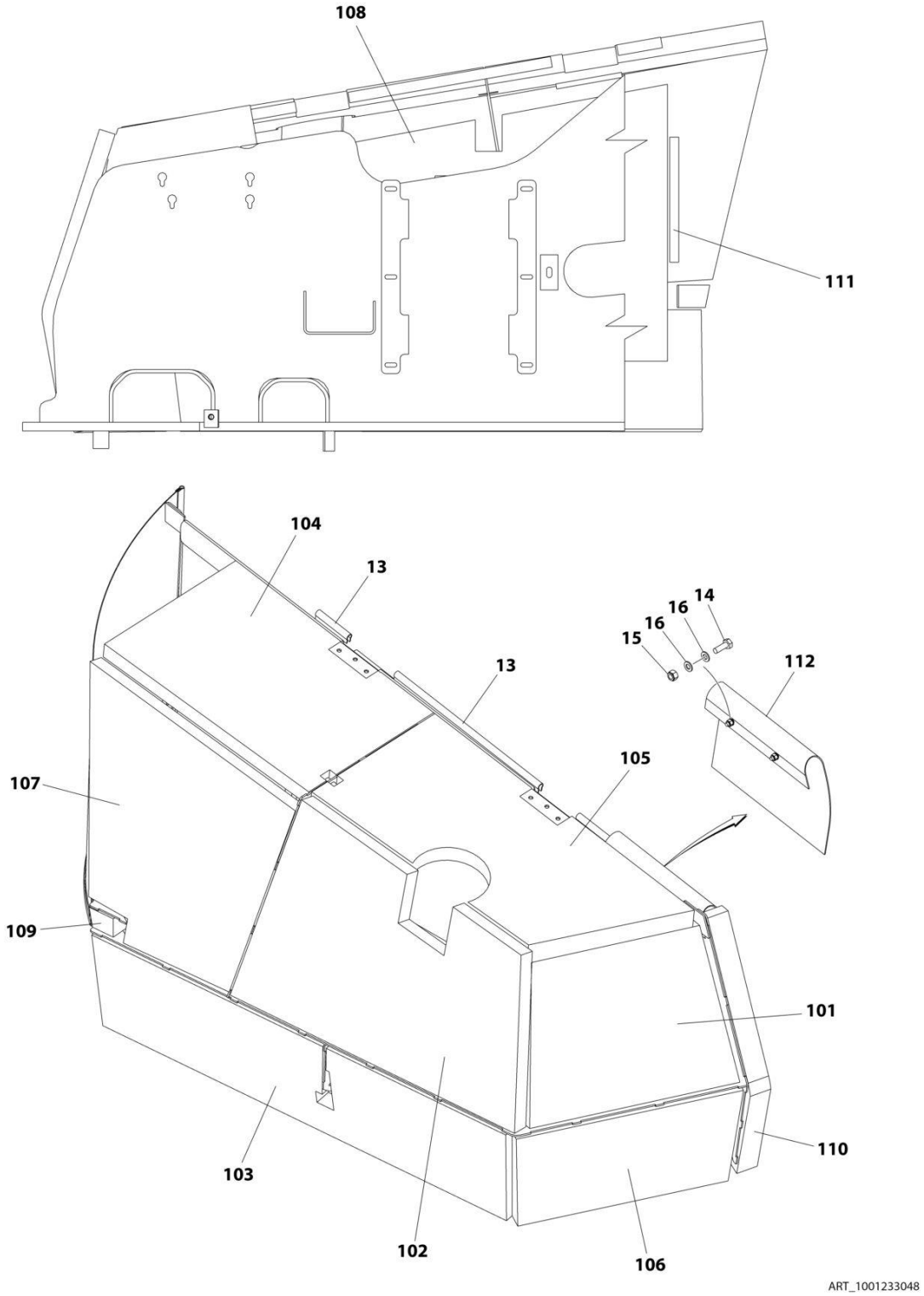


FIGURE 2-39. SOUND REDUCTION INSTALLATION - WITH STEEL HOODS (OPTIONAL)

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

FIGURE 2-40. SWING DRIVE INSTALLATION

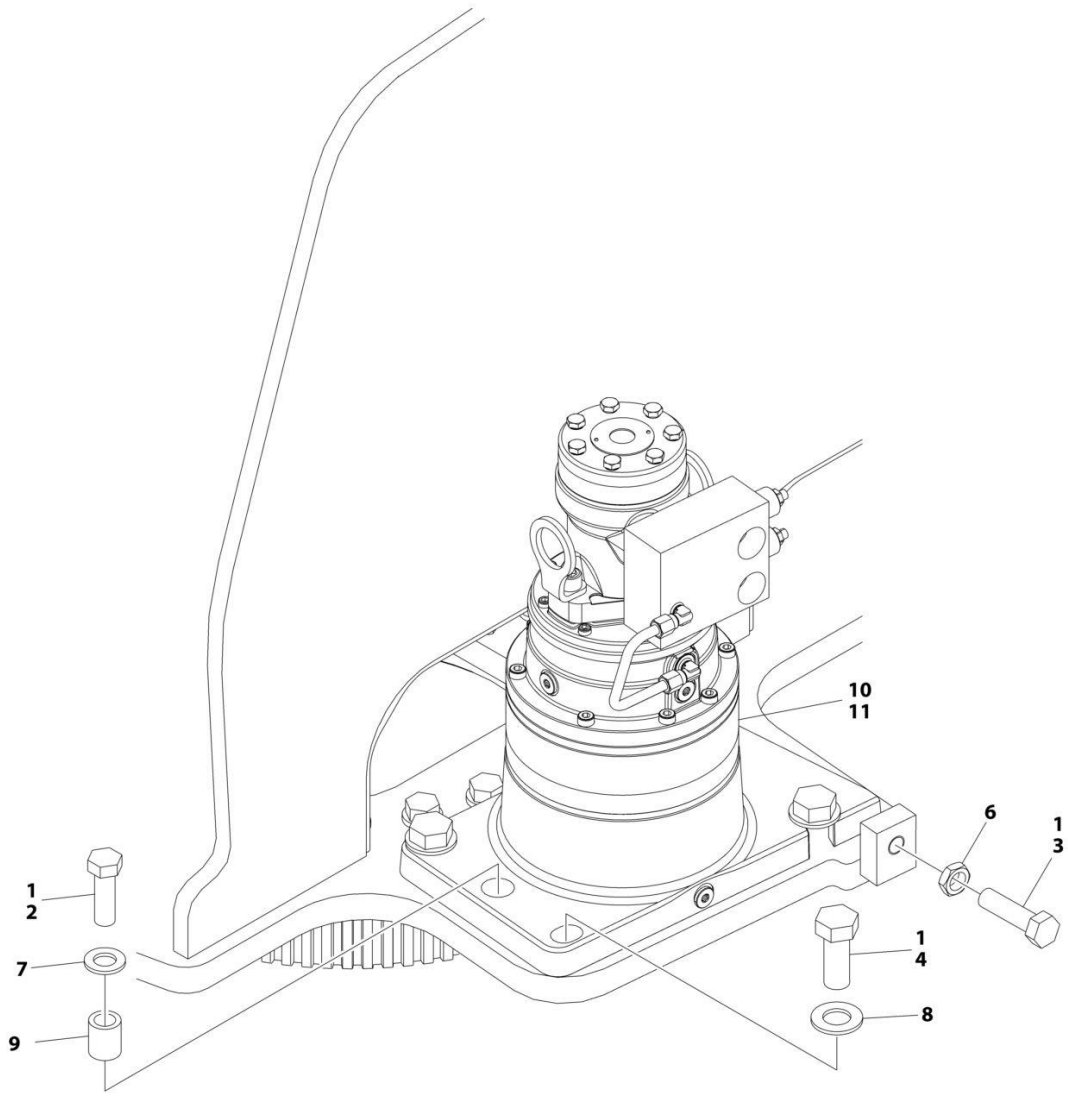
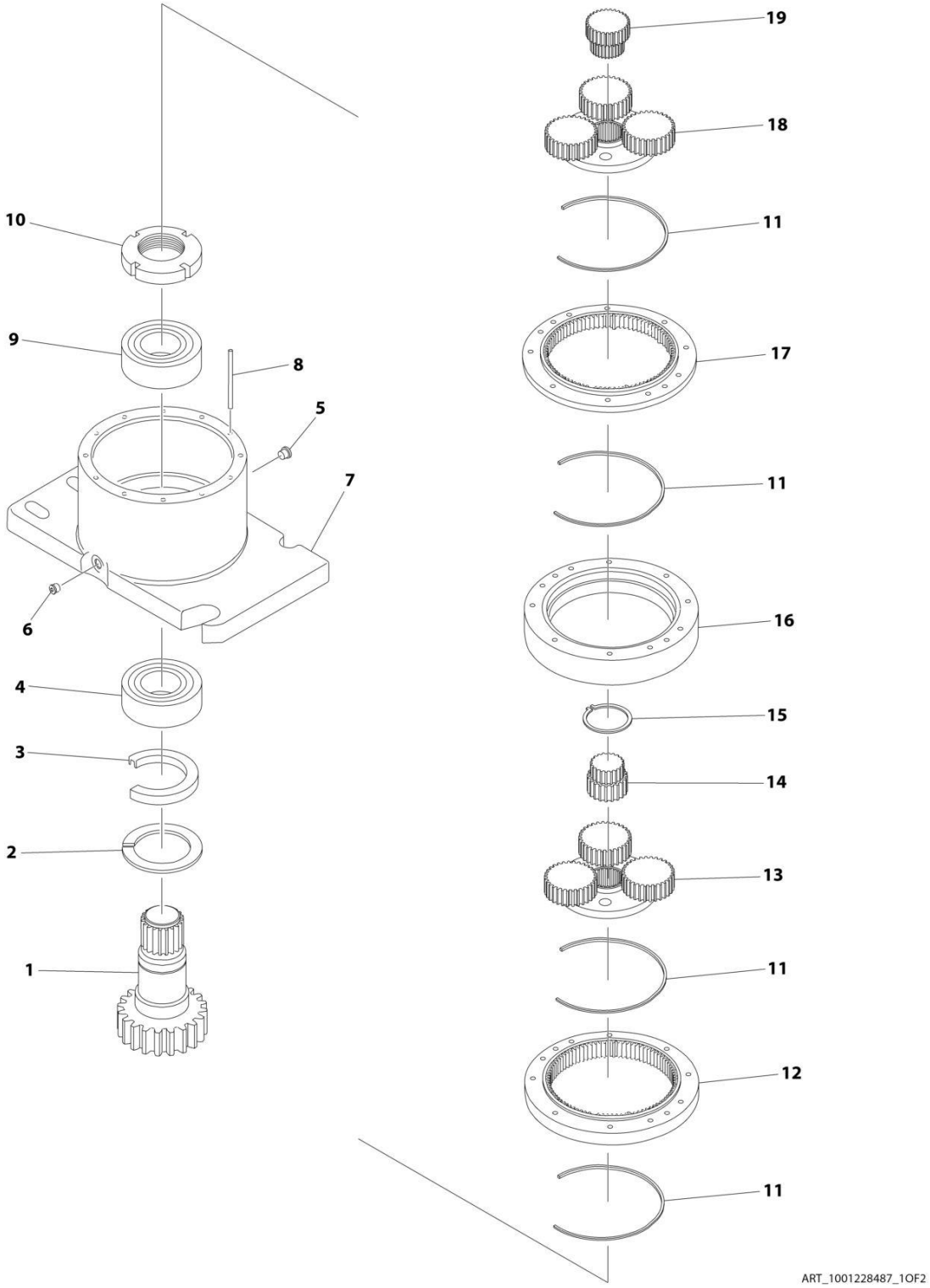


FIGURE 2-40. SWING DRIVE INSTALLATION

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

FIGURE 2-41. SWING HUB/MOTOR ASSEMBLY



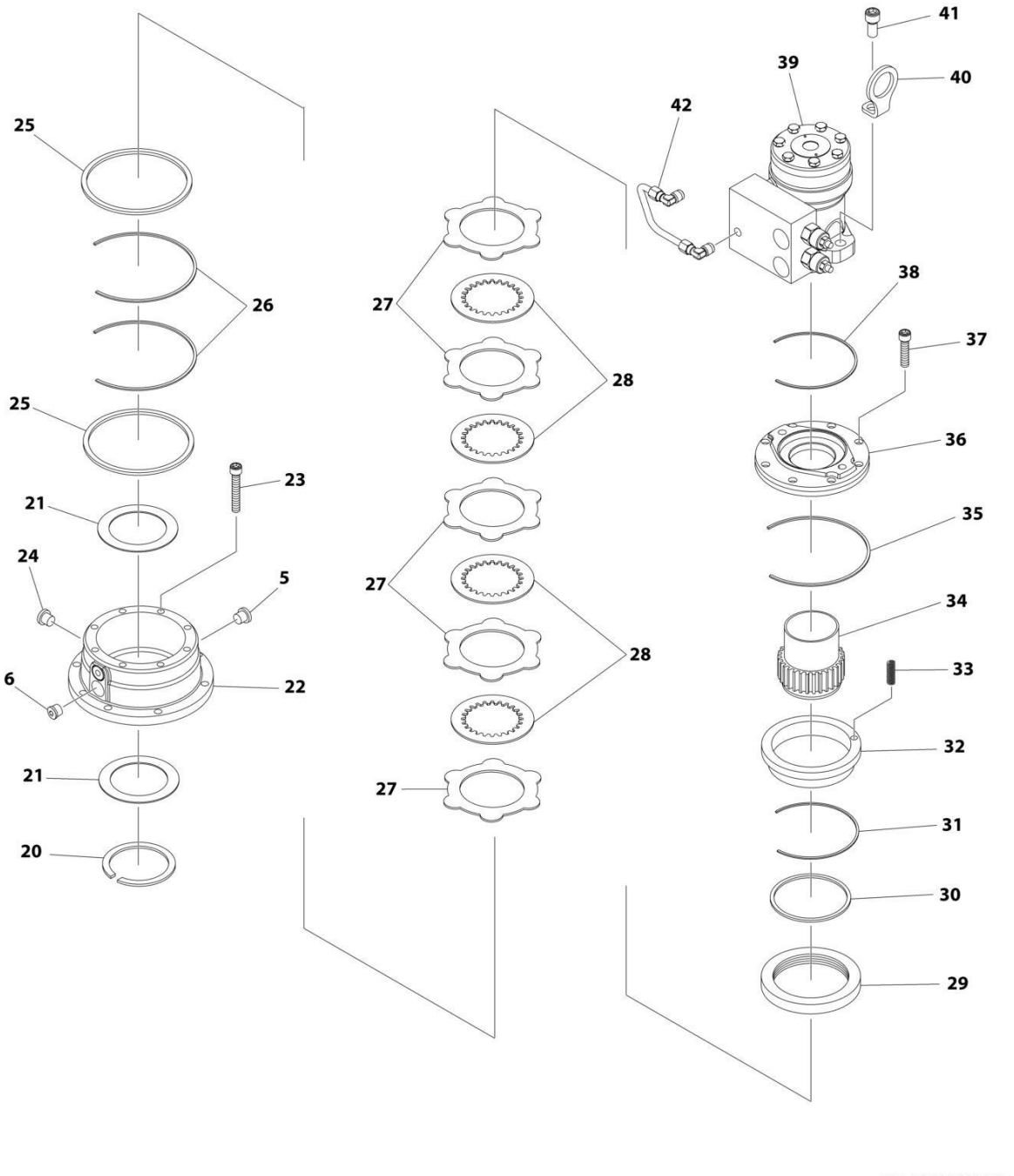

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FIGURE 2-41. SWING HUB/MOTOR ASSEMBLY

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

FIGURE 2-42. TANKS INSTALLATION

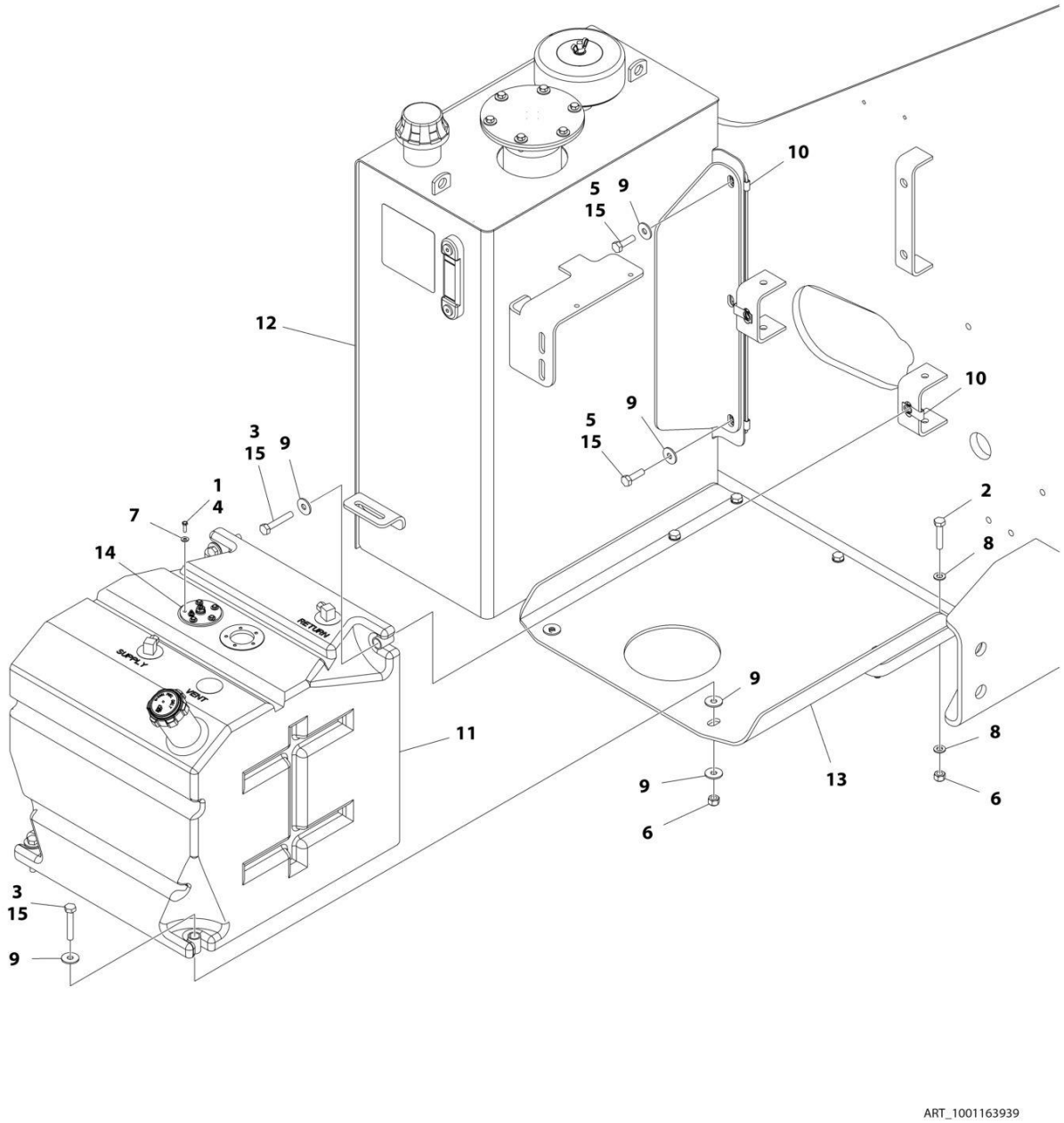
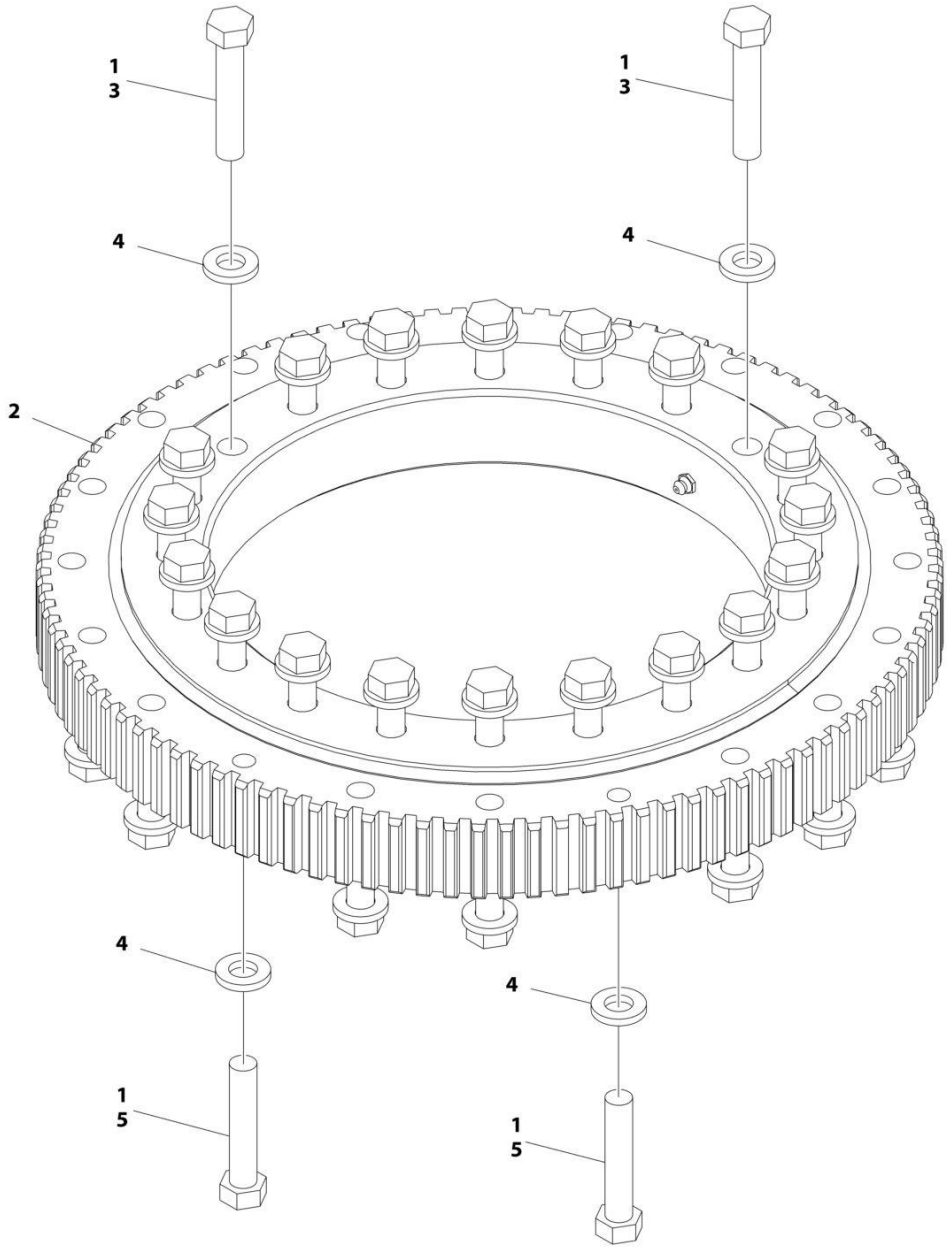


FIGURE 2-42. TANKS INSTALLATION

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

FIGURE 2-43. TURNTABLE BEARING INSTALLATION



ART_1001202494

FIGURE 2-43. TURNTABLE BEARING INSTALLATION

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

FIGURE 2-44. TURNTABLE COVERS INSTALLATION

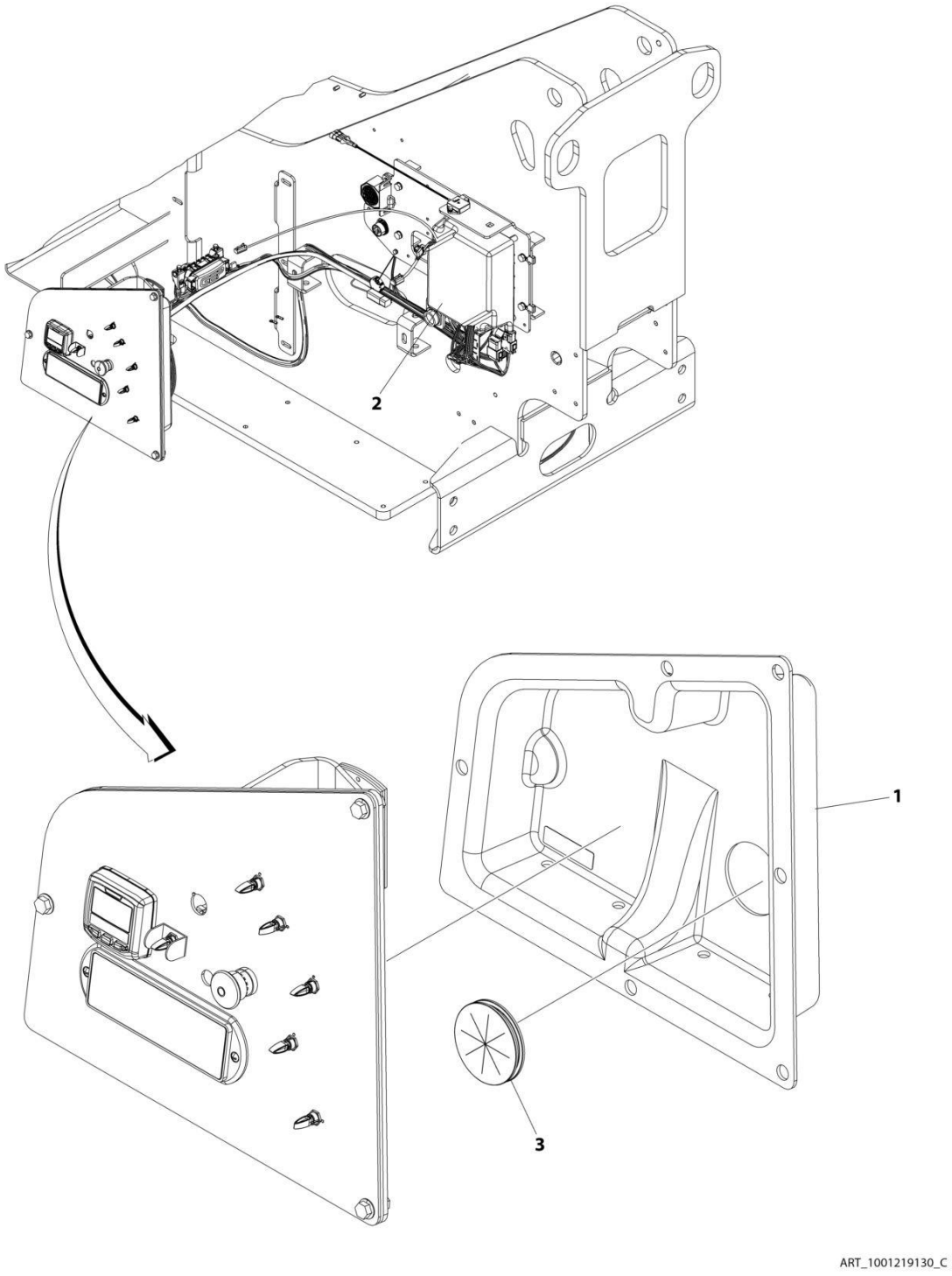


FIGURE 2-44. TURNTABLE COVERS INSTALLATION

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

FIGURE 2-45. TURNTABLE LOCK INSTALLATION

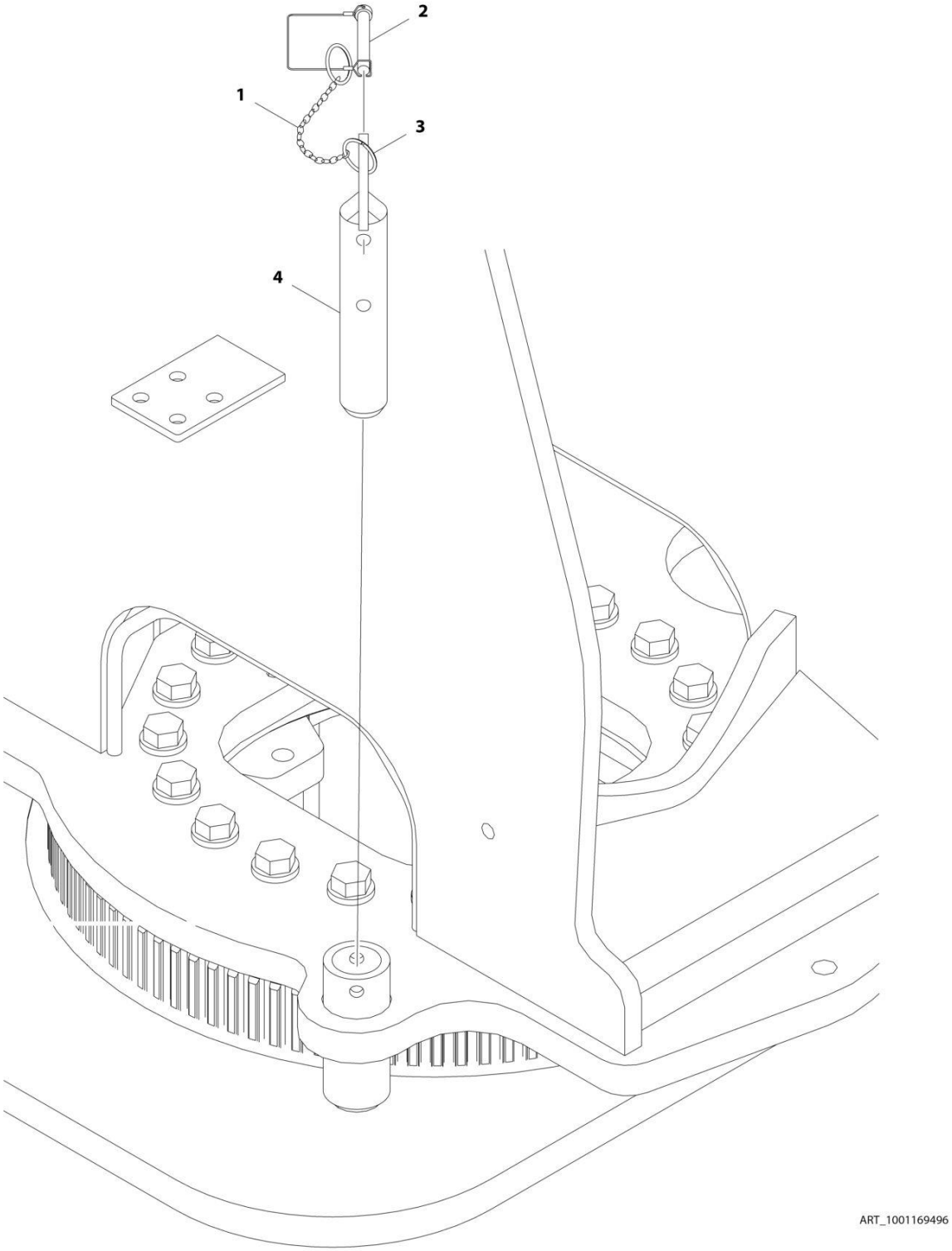


FIGURE 2-45. TURNTABLE LOCK INSTALLATION

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

FIGURE 2-46. WHITE NOISE ALARM INSTALLATION

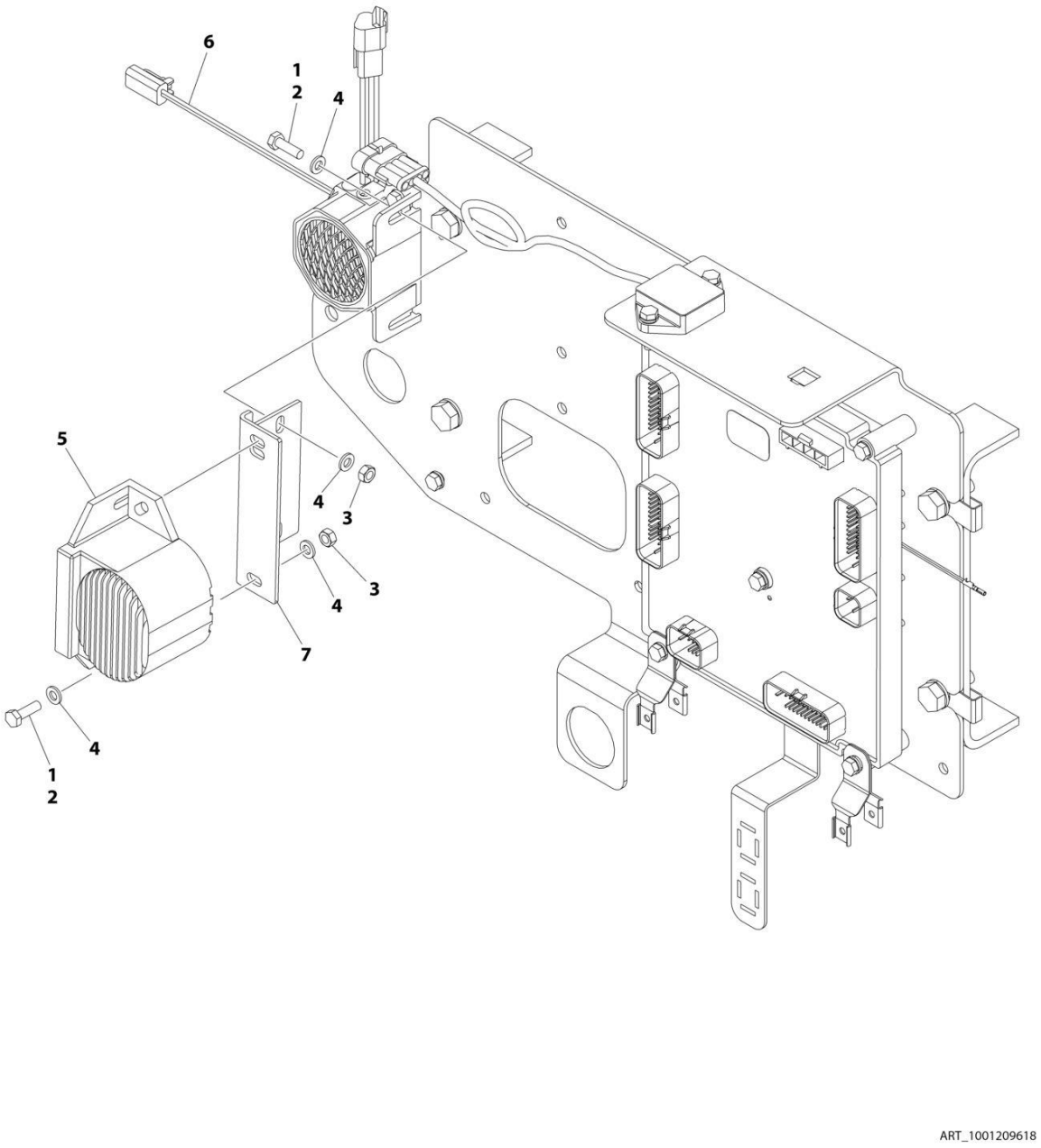
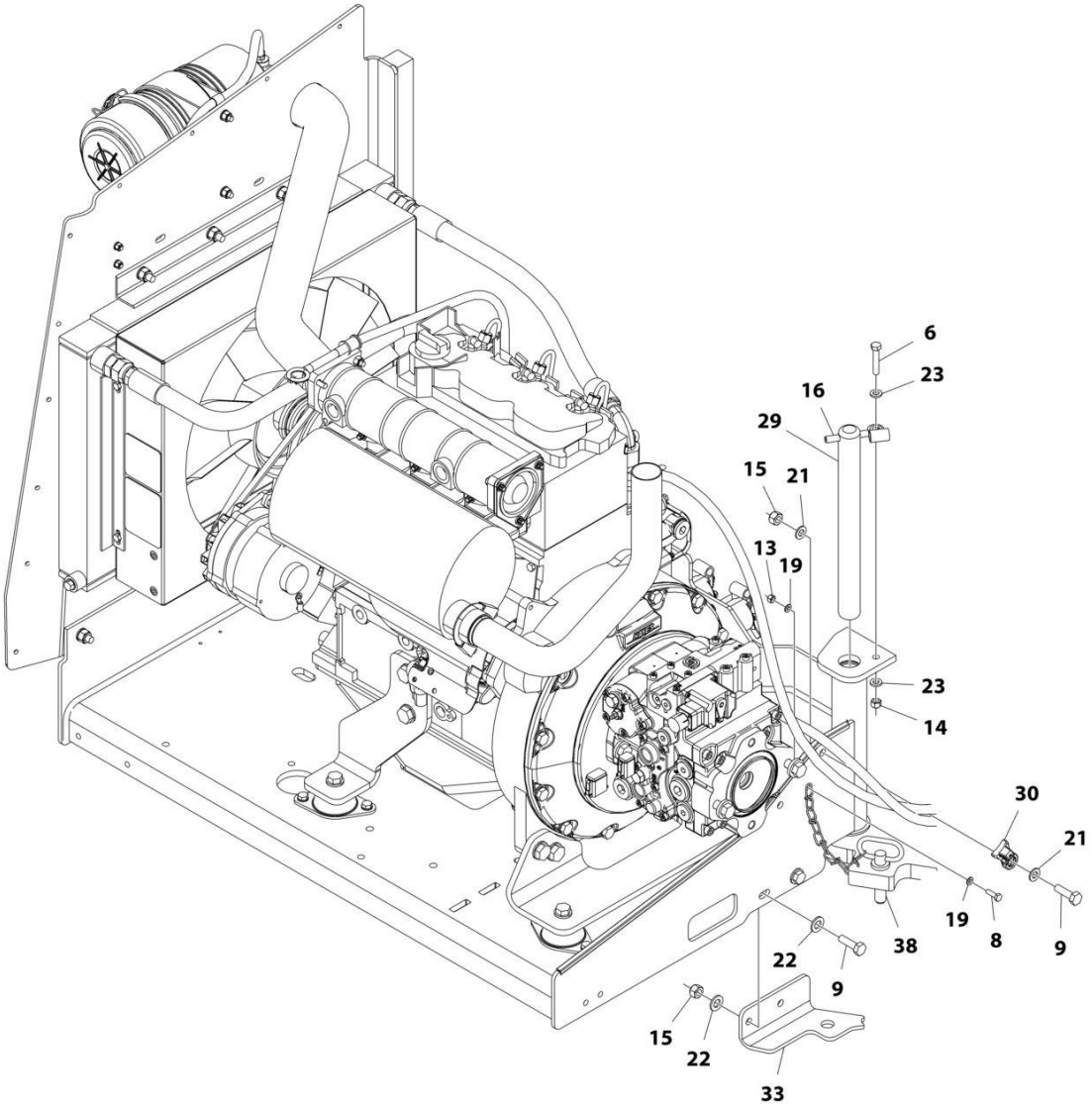


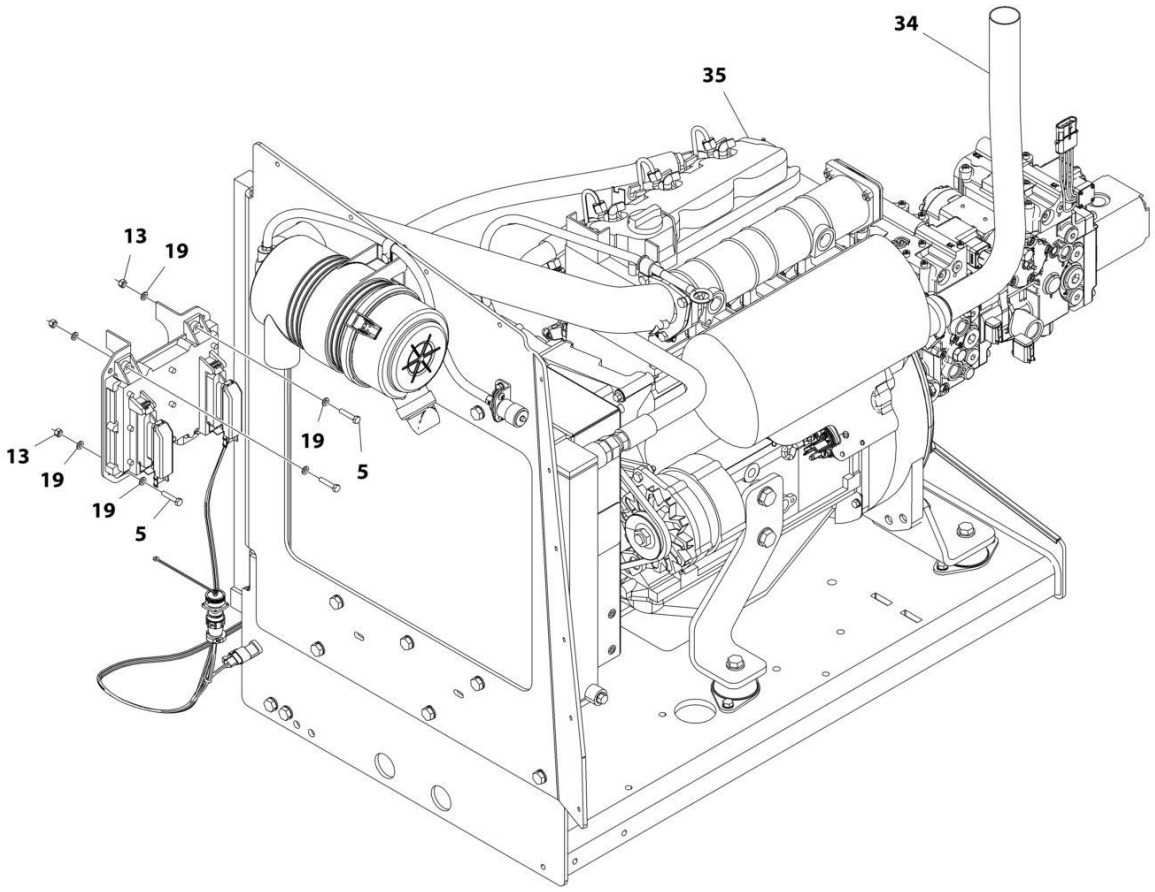
FIGURE 2-46. WHITE NOISE ALARM INSTALLATION

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

SECTION 3 - ENGINE

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





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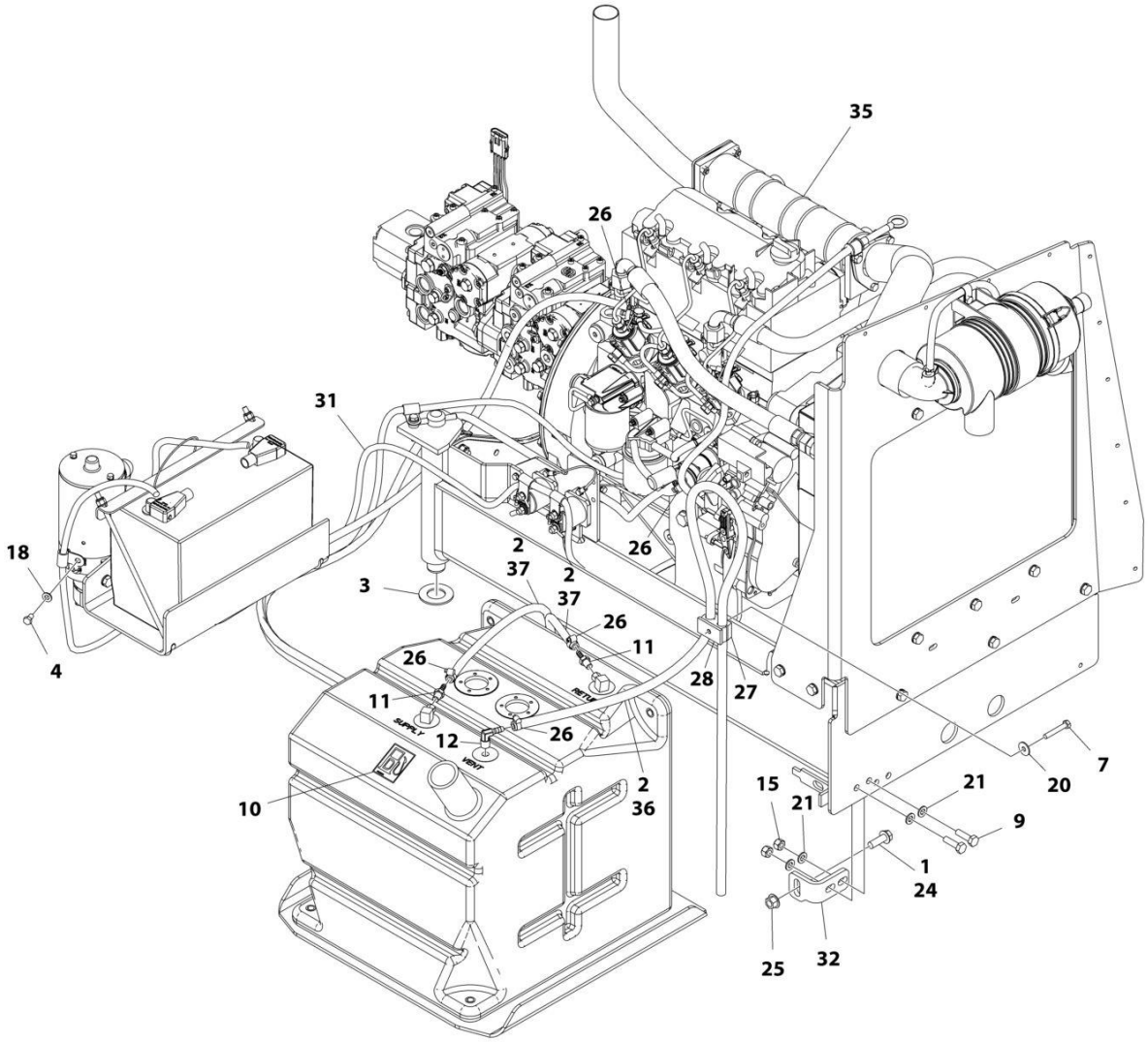

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FIGURE 3-1. ENGINE INSTALLATION (DEUTZ D2011) (ANSI EXPORT SPECS)

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

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

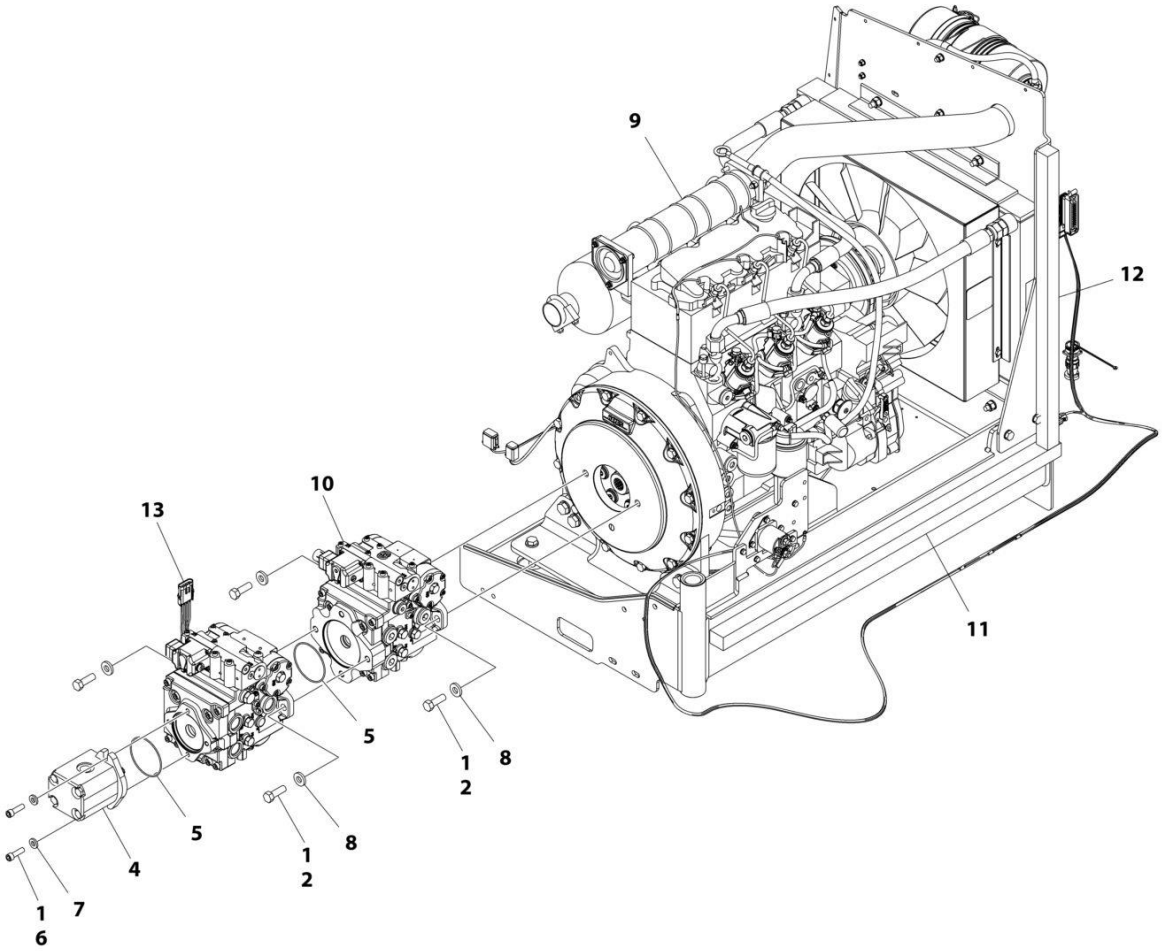
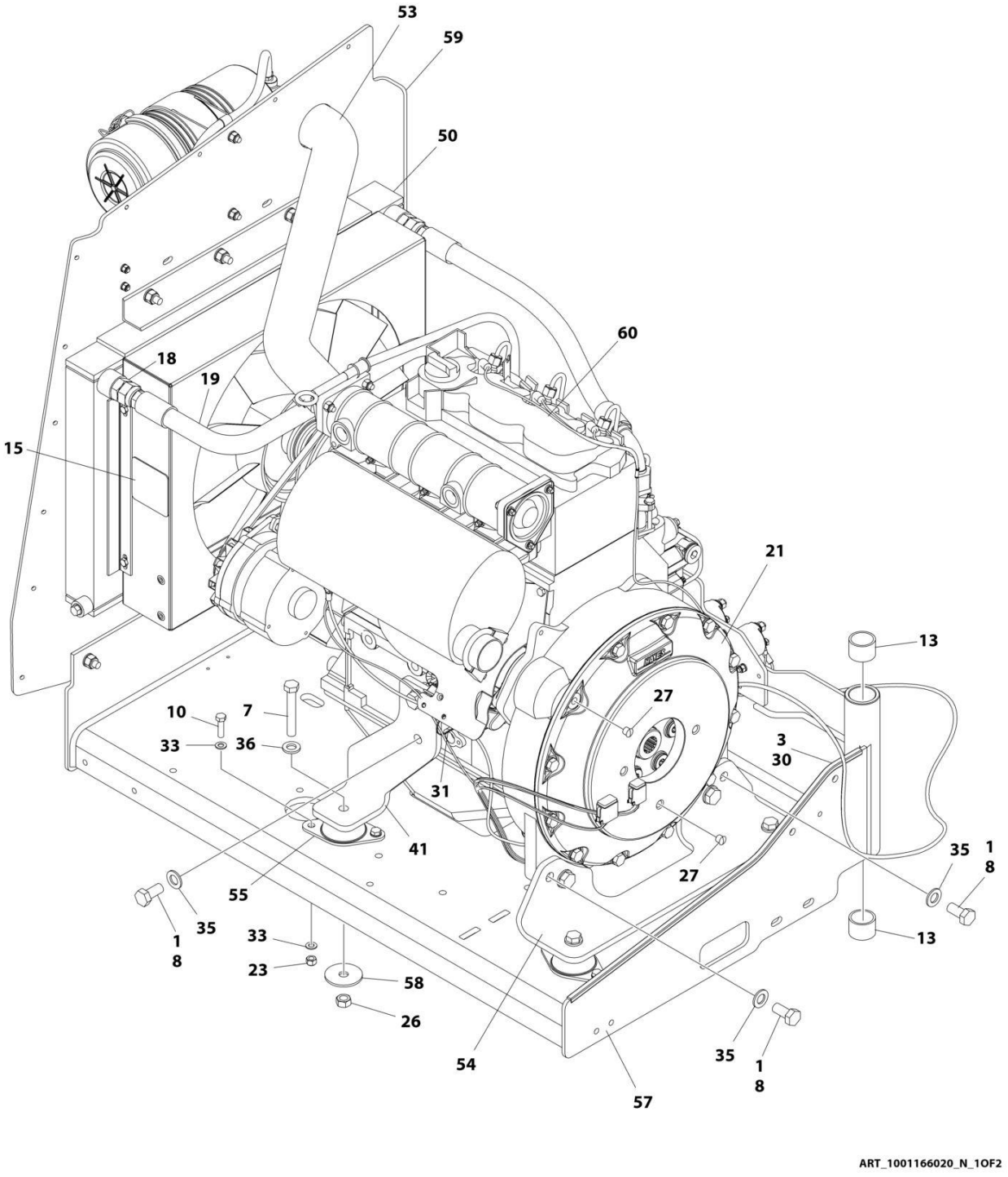
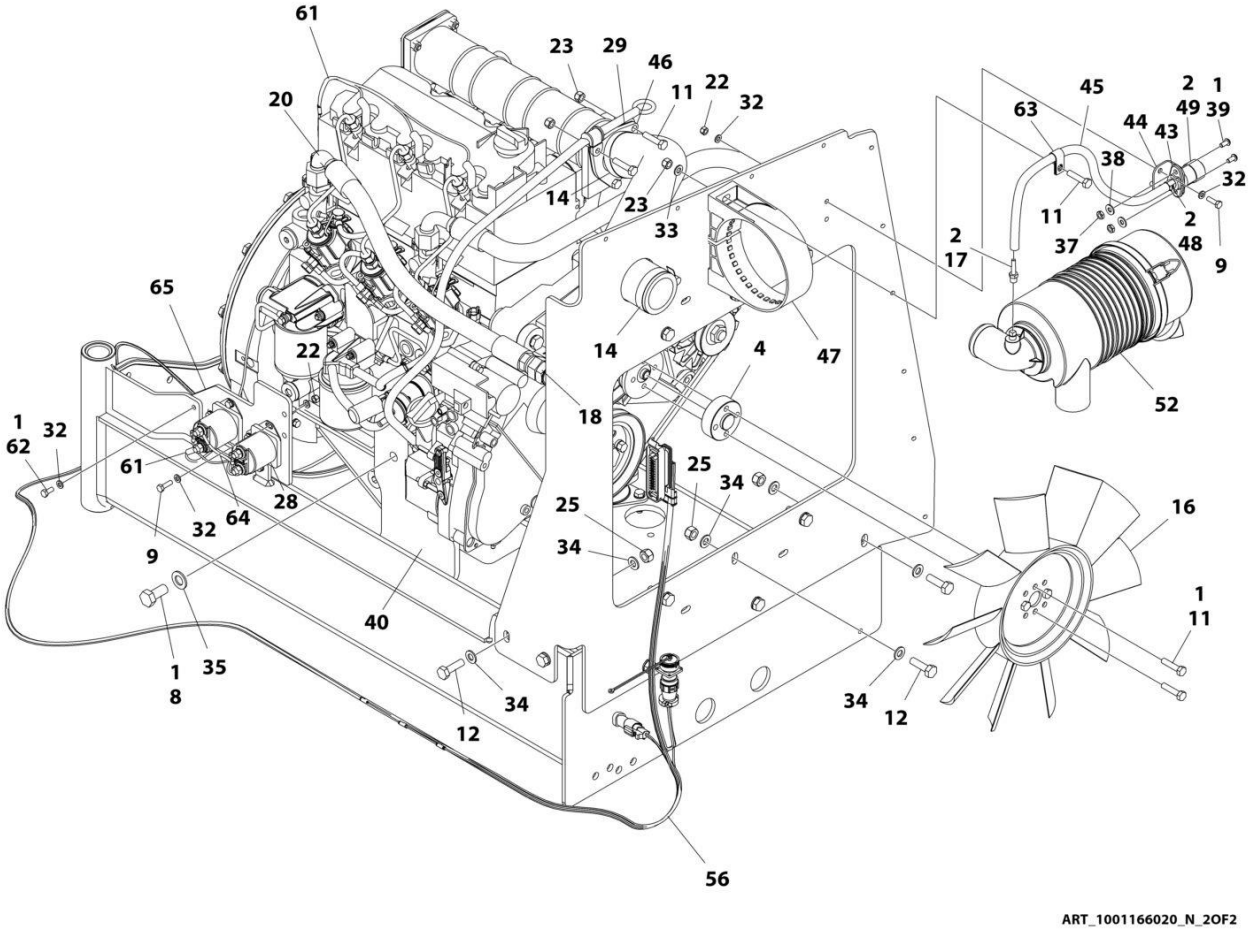


FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY (DEUTZ D2011) (ANSI EXPORT SPECS)

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

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





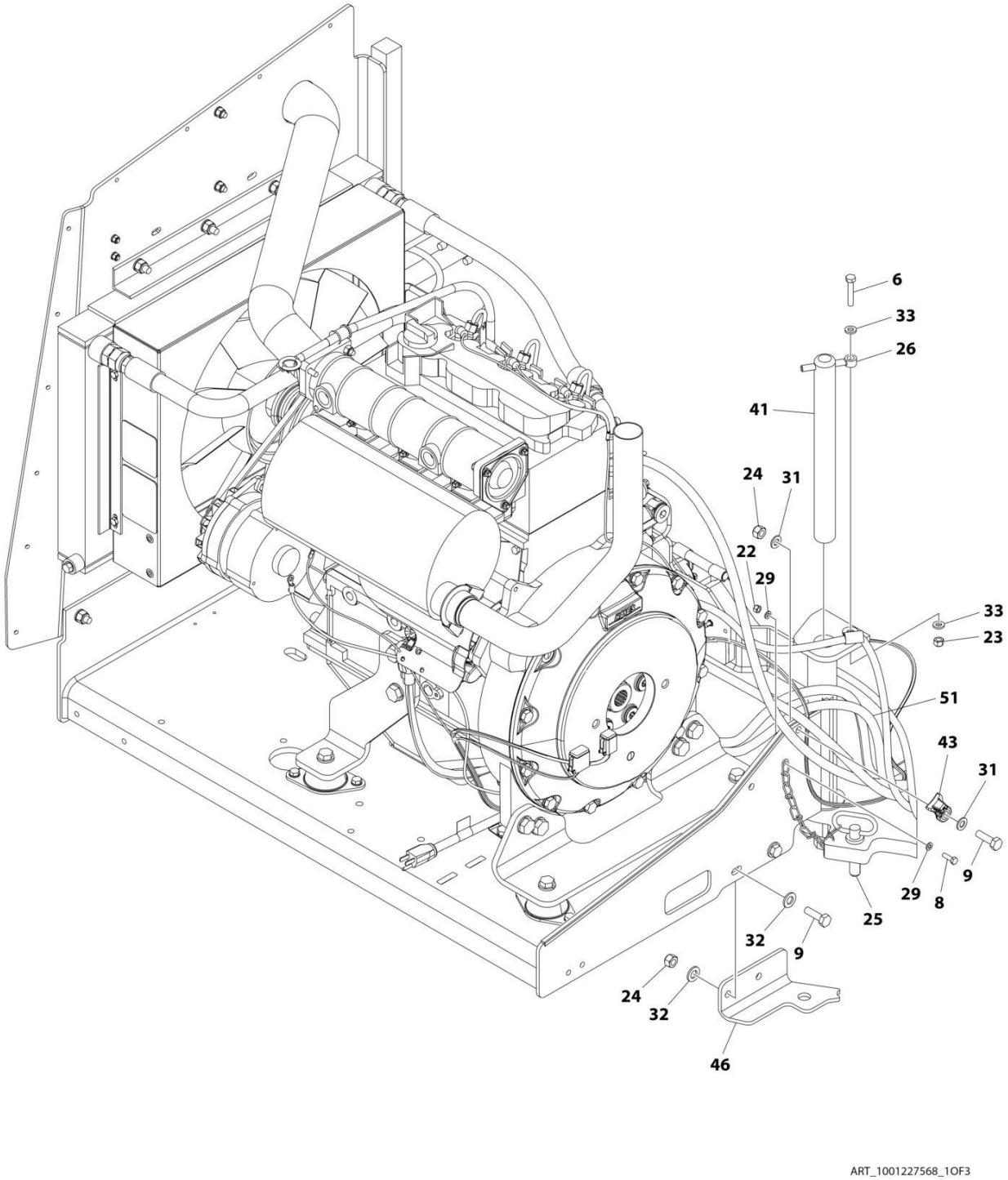
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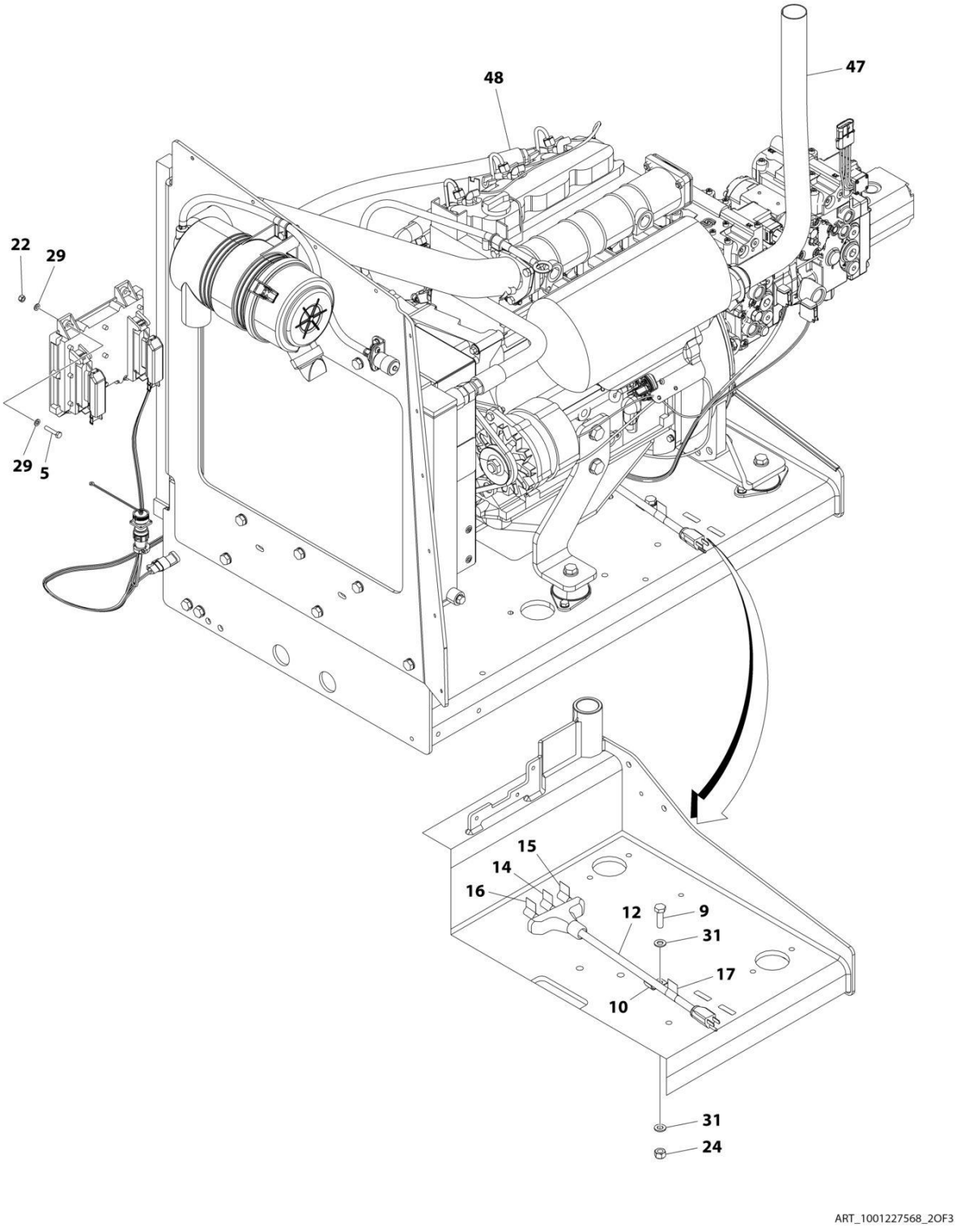
FIGURE 3-3. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166020	Ref	ENGINE ASSEMBLY - DEUTZ D2011 ENGINE	N
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0080231	1	Spacer, Fan	
7	0711224	4	Bolt M12 x 80 Grade 10.9	
8	0771414	8	Bolt M14 x 30 Grade 10.9	
9	0760610	6	Bolt M6 x 20	
10	0760814	8	Bolt M8 x 30	
11	0760815	9	Bolt M8 x 35	
12	0761015	11	Bolt M10 x 35	
13	0961951	2	Bushing	
14	1320016	2	Clamp	
15	1703162	2	Decal - Caution Fan	
16	2060025	1	Fan	
17	2220315	1	Fitting, Barbed	
18	2220451	2	Fitting, Straight JIC/ORB	
19	2720398	1	Hose	
20	2720447	1	Hose	
21	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
22	3290605	6	Nut M6 x 1	
23	3290805	13	Nut M8 x 1-1/4	
25	3291005	11	Nut M10 x 1-1/2	
26	3331215	4	Nut M12 x 1-3/4	
27	3520054	2	Plug	
28	3740067	2	Relay Assembly	
28	3300220	2	Nut	
28	3321001	1	Nut #10	
28	3740140	1	Relay	
28	4761000	1	Washer #10	
28	1001111424	2	Washer	
29	3960407	1	Gasket	
30	4060805	2.25 ft/ 0.69m	Trim-Flex	
31	4240099	AR	Tie-Strap	
32	4811700	15	Washer M6	
33	4811900	20	Washer M8	
34	4812000	22	Washer M10	
35	4812200	8	Washer M14	
36	5241200	4	Washer M12	
37	8305401	2	Nut, Jam	
38	8307109	2	Washer, .250	
39	8310548	2	Screw 1/4 x 1/2	
40	1001132195	1	Bracket, Engine Mount	
41	1001132196	1	Bracket, Engine Mount	
43	1001138173	1	Support, Service Indicator	
44	1001138175	1	Bracket, Service Indicator	
45	1001138248	2 ft/ 0.61m	Tube	
46	1001139819	1	Adapter, Air Intake	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001141694	1	Clamp, Air Cleaner	
48	1001141995	1	Fitting, Barbed	
49	1001143390	1	Indicator	
50	1001150998	1	Radiator	
52	1001165388	1	Air Cleaner Assembly	
52	70003783	1	Element, Air Cleaner	
53	1001165389	1	Hose	
54	1001166717	1	Bracket, Engine Mount	
55	1001166718	4	Isolator, Engine Mount	
56	1001167111	1	Harness Engine - Deutz D2011 (See Separate Breakdown in ELECTRICAL SECTION)	
57	1001167520	1	Tray, Engine	
58	1001168018	4	Washer, Snubbing	
59	1001168059	1	Plate, Radiator Mounting	
60	1001170693	1	Engine, Deutz D2011 (See Separate Breakdown in this Section)	
61	4923451	1	Harness, Glow Plugs	
62	0760614	3	Bolt M6 x 30	
63	8406109	1	Clip	
64	1001178859	1	Cable, Alternator	
65	1001214975	1	Bracket	

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




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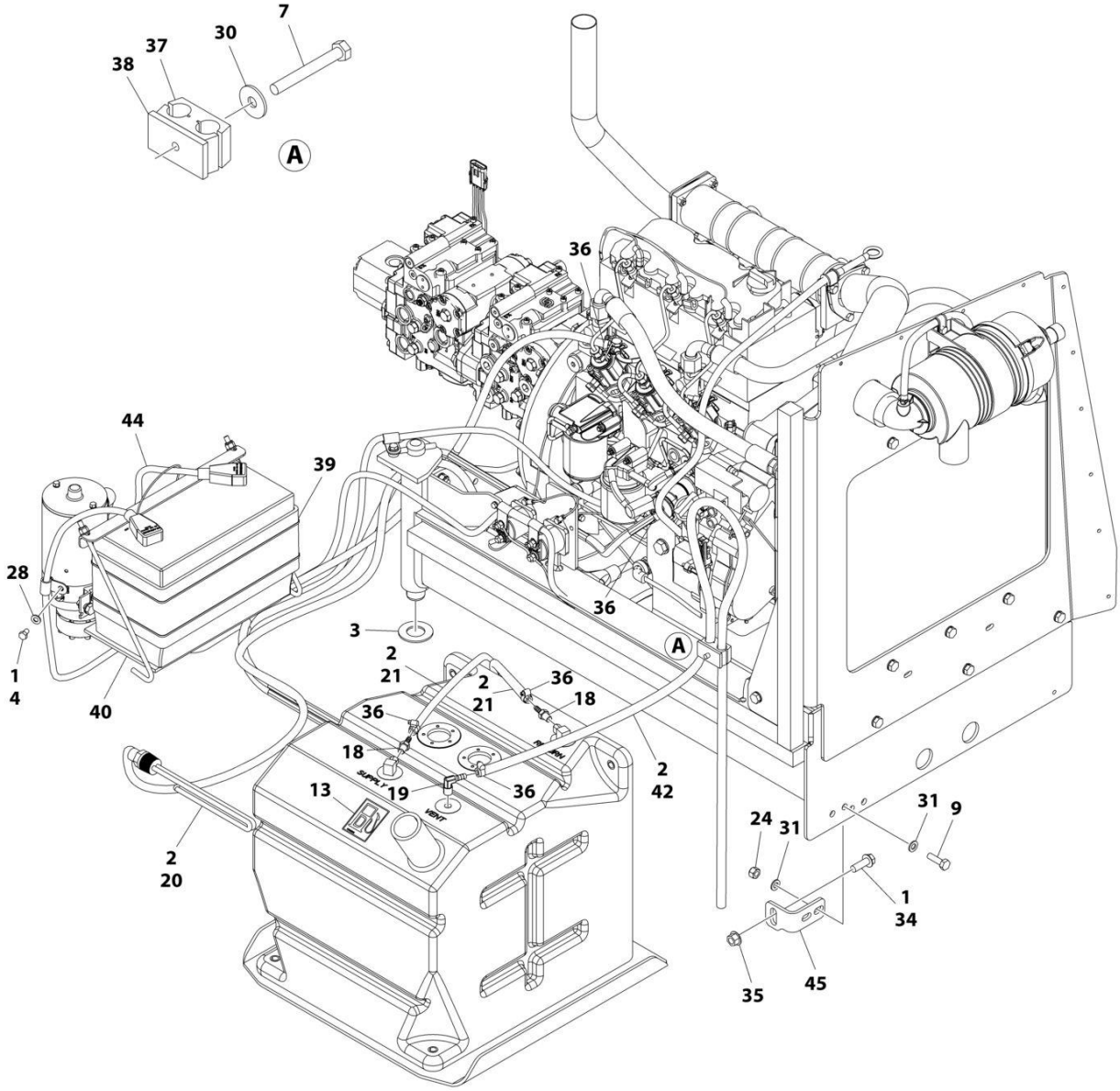

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FIGURE 3-4. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS)

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

SECTION 3 - ENGINE

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

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

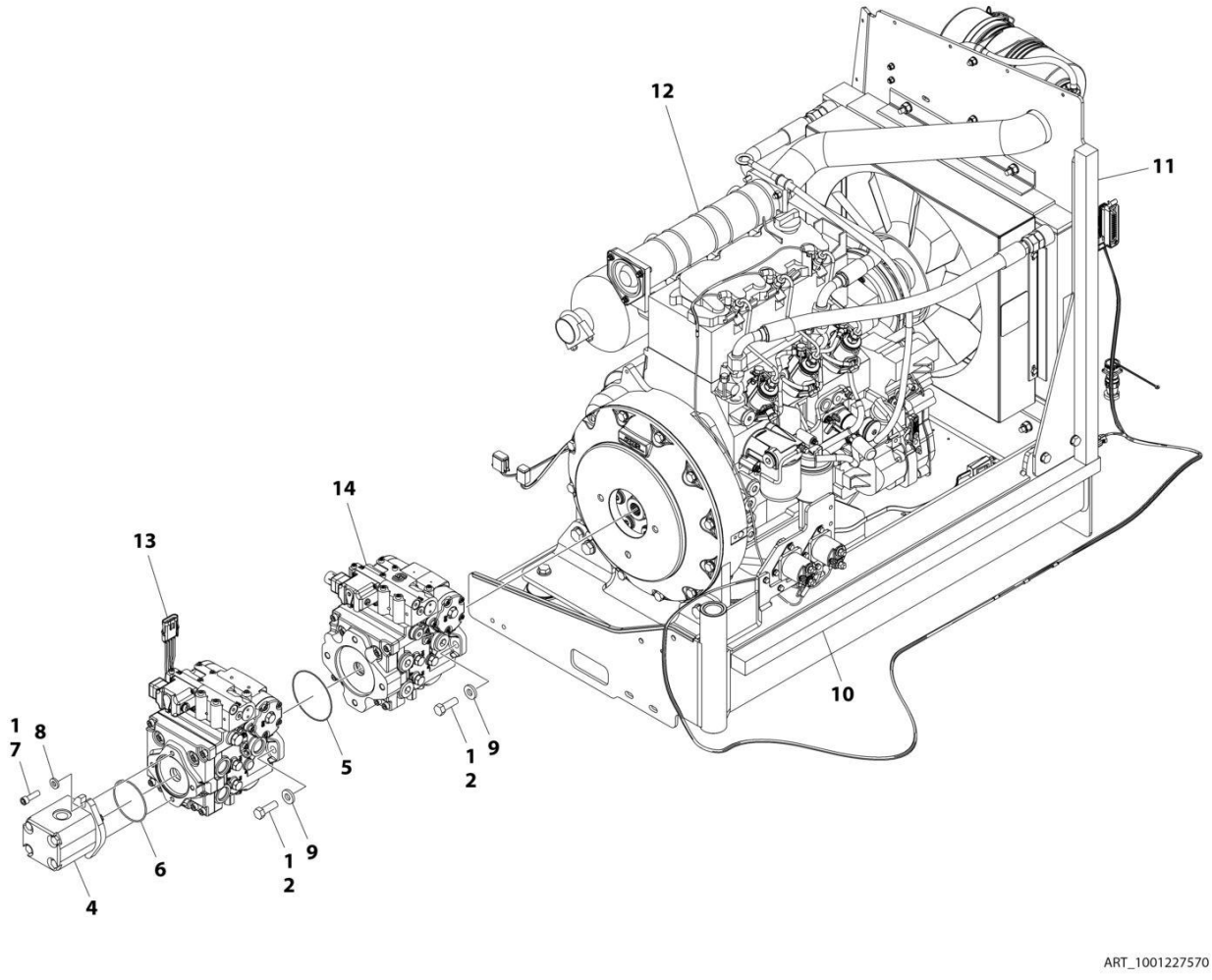
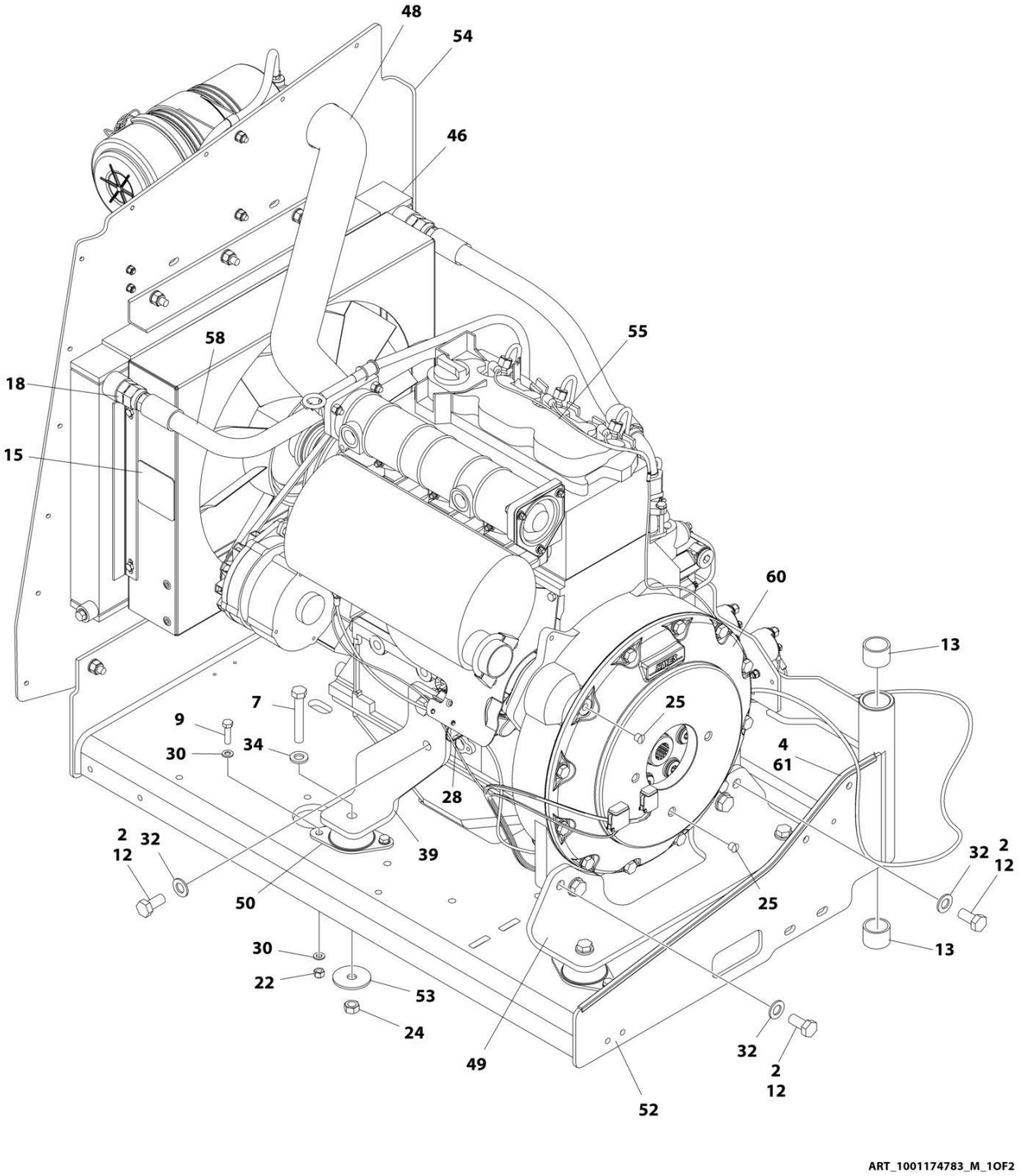


FIGURE 3-5. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPECS)

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

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



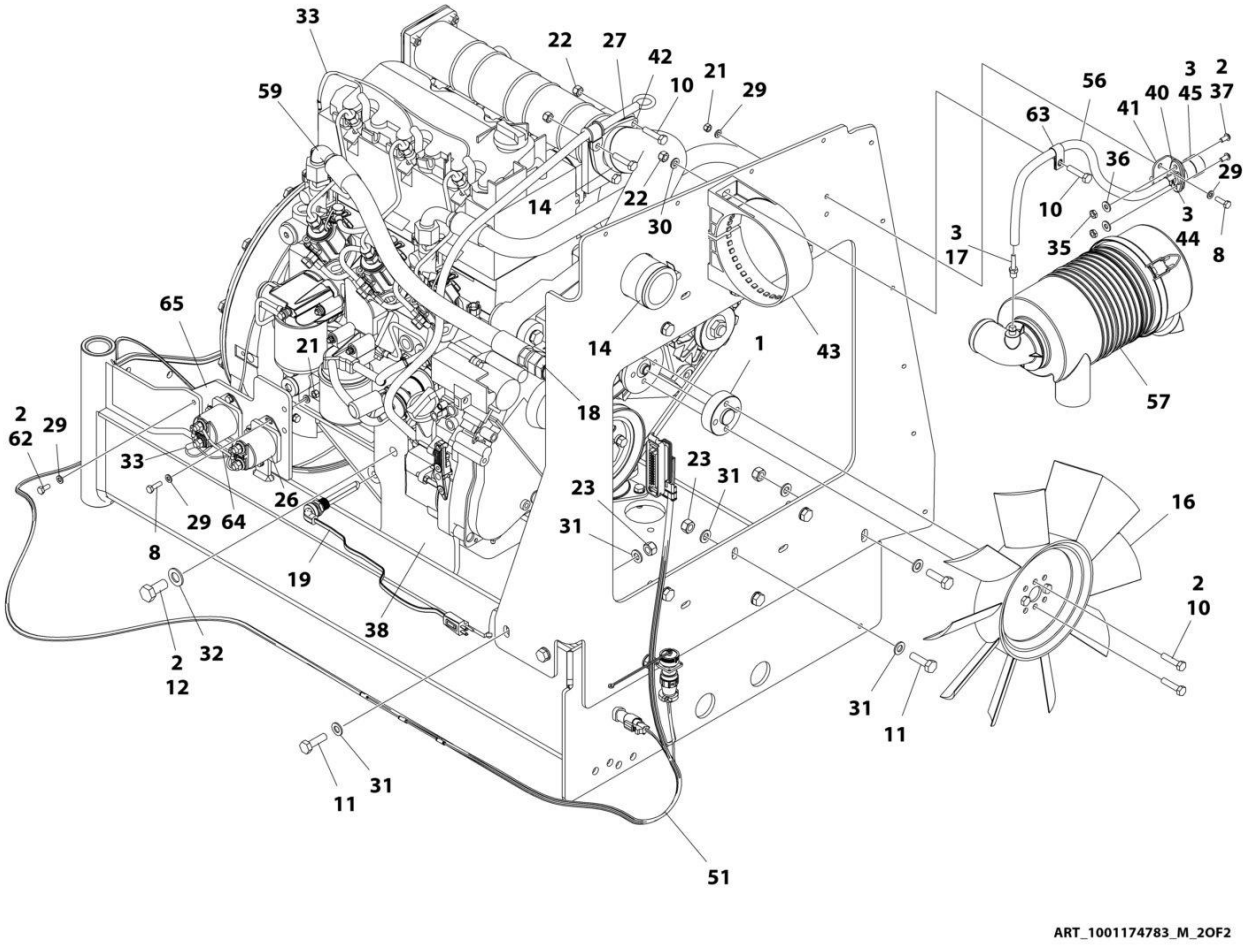

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FIGURE 3-6. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174783	Ref	ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE)	M
1	0080231	1	Spacer, Fan	
2	0100011	AR	Compound, Locking	
3	0100020	AR	Sealant, Pipe	
4	0100081	AR	Adhesive	
7	0711224	4	Bolt M12 x 80 Grade 10.9	
8	0760610	6	Bolt M6 x 20	
9	0760814	8	Bolt M8 x 30	
10	0760815	9	Bolt M8 x 35	
11	0761015	11	Bolt M10 x 35	
12	0771414	8	Bolt M14 x 30 Grade 10.9	
13	0961951	2	Bushing	
14	1320016	2	Clamp	
15	1703162	2	Decal - Caution Fan	
16	2060025	1	Fan	
17	2220315	1	Fitting, Barbed	
18	2220451	2	Fitting, Straight JIC/ORB	
19	2580062	1	Heater, Engine Block	
21	3290605	6	Nut M6	
22	3290805	13	Nut M8	
23	3291005	11	Nut M10	
24	3331215	4	Nut M12	
25	3520054	2	Plug	
26	3740067	2	Relay Assembly	
26	3300220	2	Nut	
26	3321001	1	Nut #10	
26	3740140	1	Relay	
26	4761000	1	Washer #10	
26	1001111424	2	Washer	
27	3960407	1	Gasket	
28	4240099	AR	Tie-Strap (Not Shown)	
29	4811700	15	Washer M6	
30	4811900	20	Washer M8	
31	4812000	22	Washer M10	
32	4812200	8	Washer M14	
33	4923451	1	Harness, Glow Plugs	
34	5241200	4	Washer M12	
35	8305401	2	Nut, Jam	
36	8307109	2	Washer	
37	8310548	2	Screw 1/4 x 1/2	
38	1001132195	1	Bracket, Engine Mount	
39	1001132196	1	Bracket, Engine Mount	
40	1001138173	1	Support, Service Indicator	
41	1001138175	1	Bracket, Service Indicator	
42	1001139819	1	Adapter, Air Intake	
43	1001141694	1	Clamp, Air Cleaner	
44	1001141995	1	Fitting, Barbed	
45	1001143390	1	Indicator	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001150998	1	Radiator	
48	1001165389	1	Hose	
49	1001166717	1	Bracket, Engine Mount	
50	1001166718	4	Isolator, Engine Mount	
51	1001167111	1	Harness Engine - Deutz D2011 (See Separate Breakdown in ELECTRICAL SECTION)	
52	1001167520	1	Tray, Engine	
53	1001168018	4	Washer, Snubbing	
54	1001168059	1	Plate, Radiator Mounting	
55	1001170693	1	Engine, Deutz D2011 (See Separate Breakdown in this Section)	
56	1001138248	2 ft/ 0.61m	Tube	
57	1001165388	1	Air Cleaner Assembly	
57	70003783	1	Element, Air Cleaner	
58	2720398	1	Hose	
59	2720447	1	Hose	
60	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
61	4060805	2.25 ft/ 0.69m	Flex-Trim	
62	0760614	3	Bolt M6 x 30	
63	8406109	1	Clip	
64	1001178859	1	Cable, Alternator	
65	1001214975	1	Bracket	

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

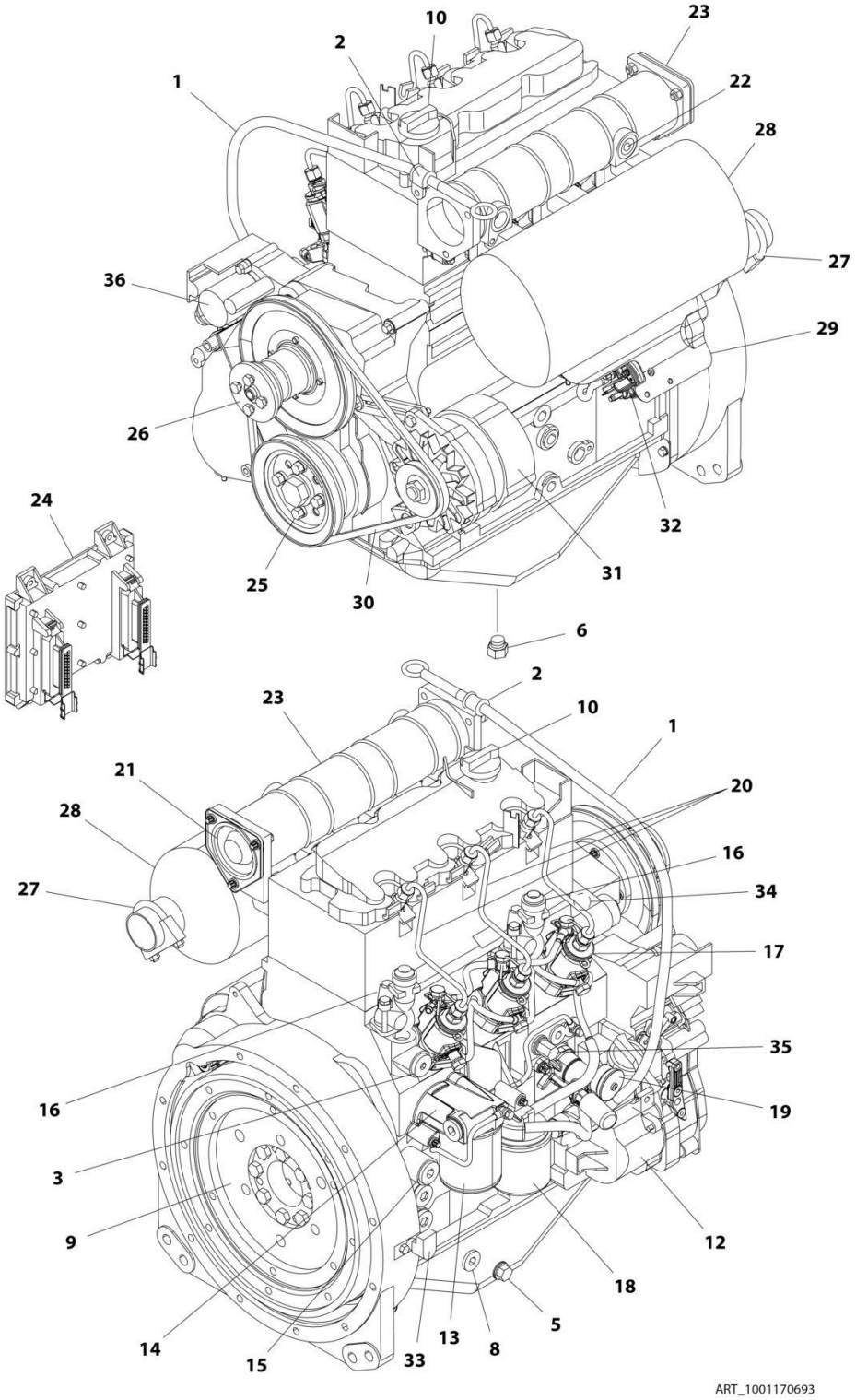


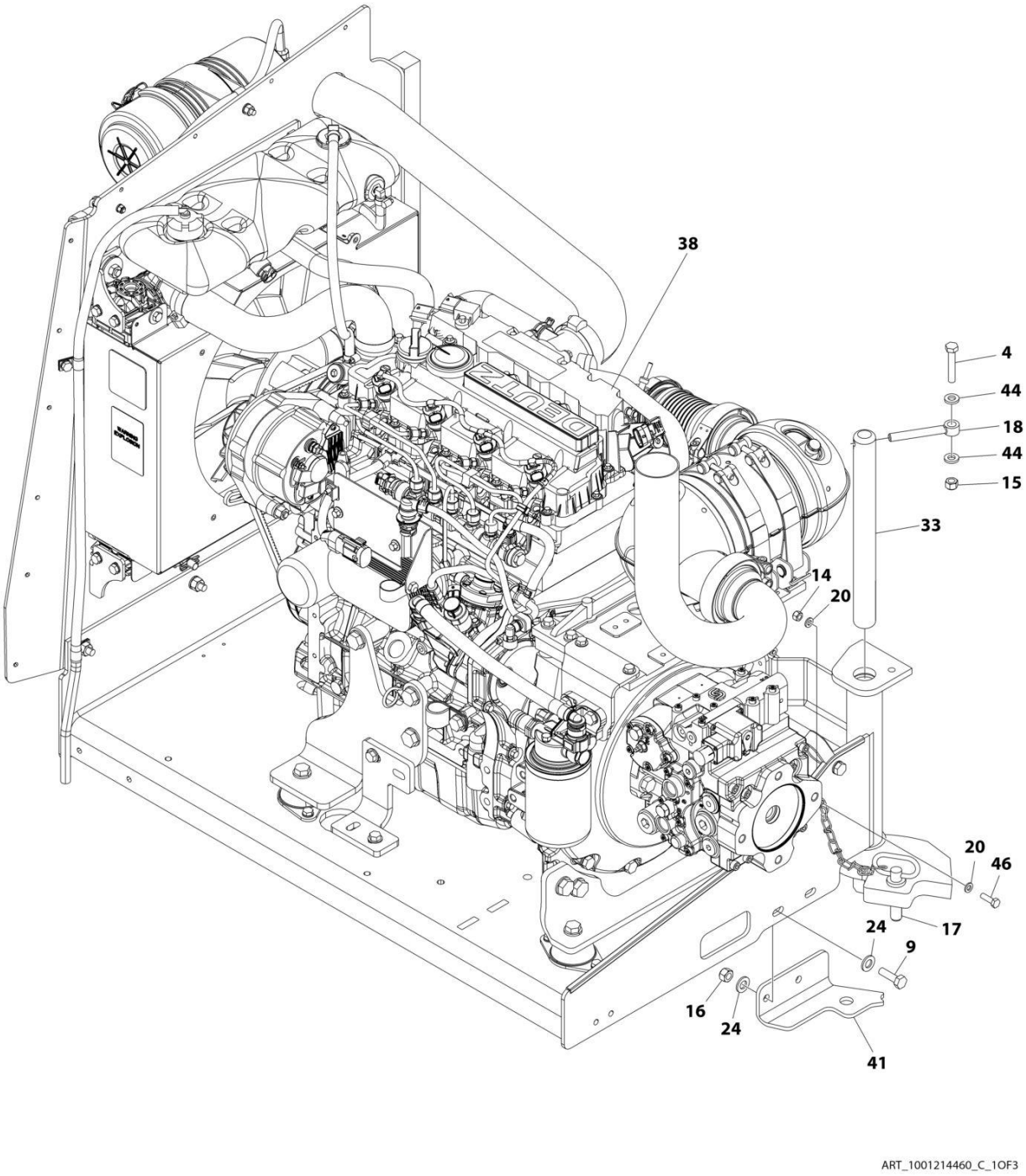
FIGURE 3-7. ENGINE COMPONENTS - DEUTZ D2011 (ANSI EXPORT SPECS)

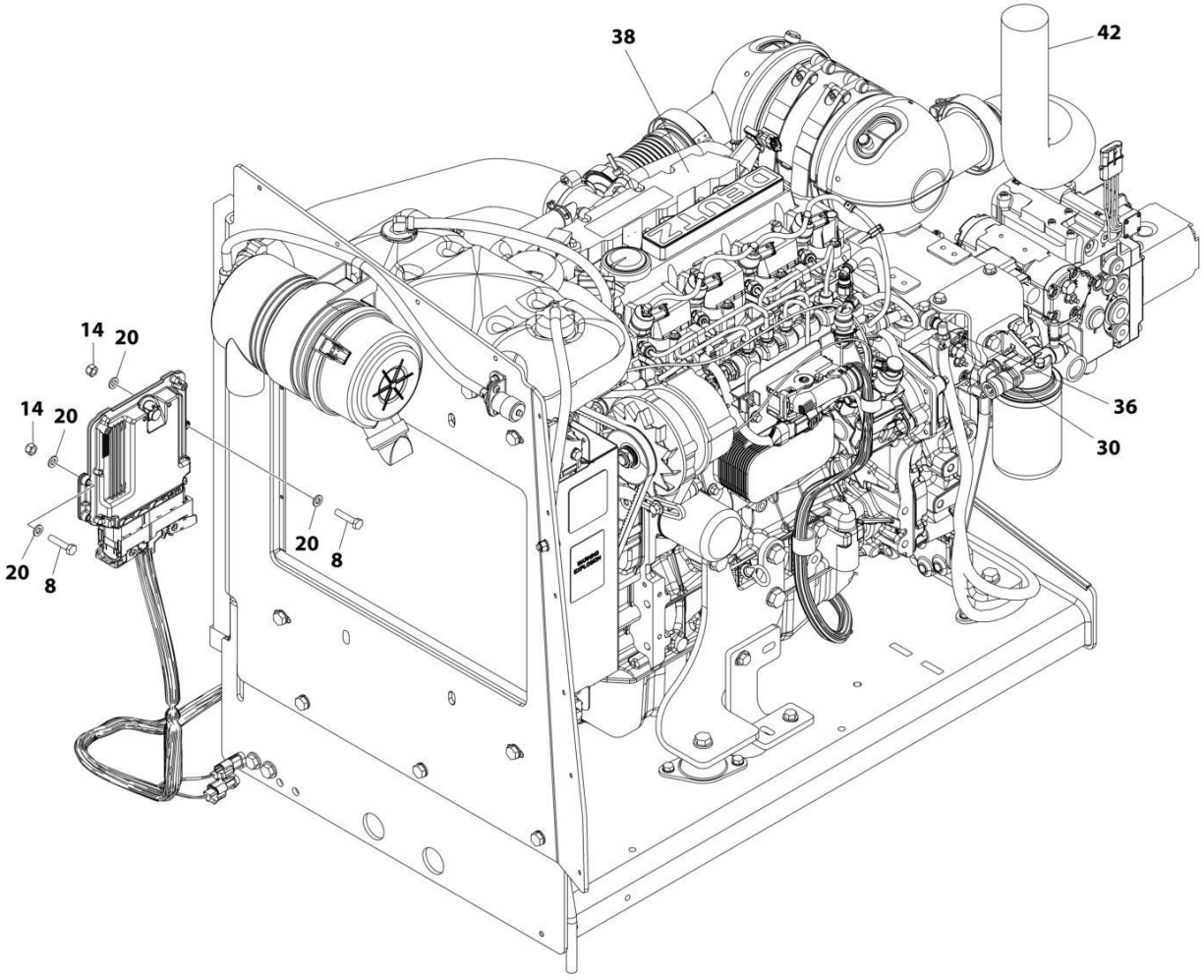
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170693	Ref	ENGINE COMPONENTS - DEUTZ D2011	C
1	70001002	1	Tube, Dipstick	
1	7020403	1	Seal, Tube	
1	7020026	1	Dipstick	
2	70001654	1	Clamp	
2	70001655	1	Bolt	
3	70003475	1	Thermostat	
3	7020460	1	Spring	
4		Ref	Seal and Gasket Options (Not Shown):	
4	70002718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

SECTION 3 - ENGINE

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

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





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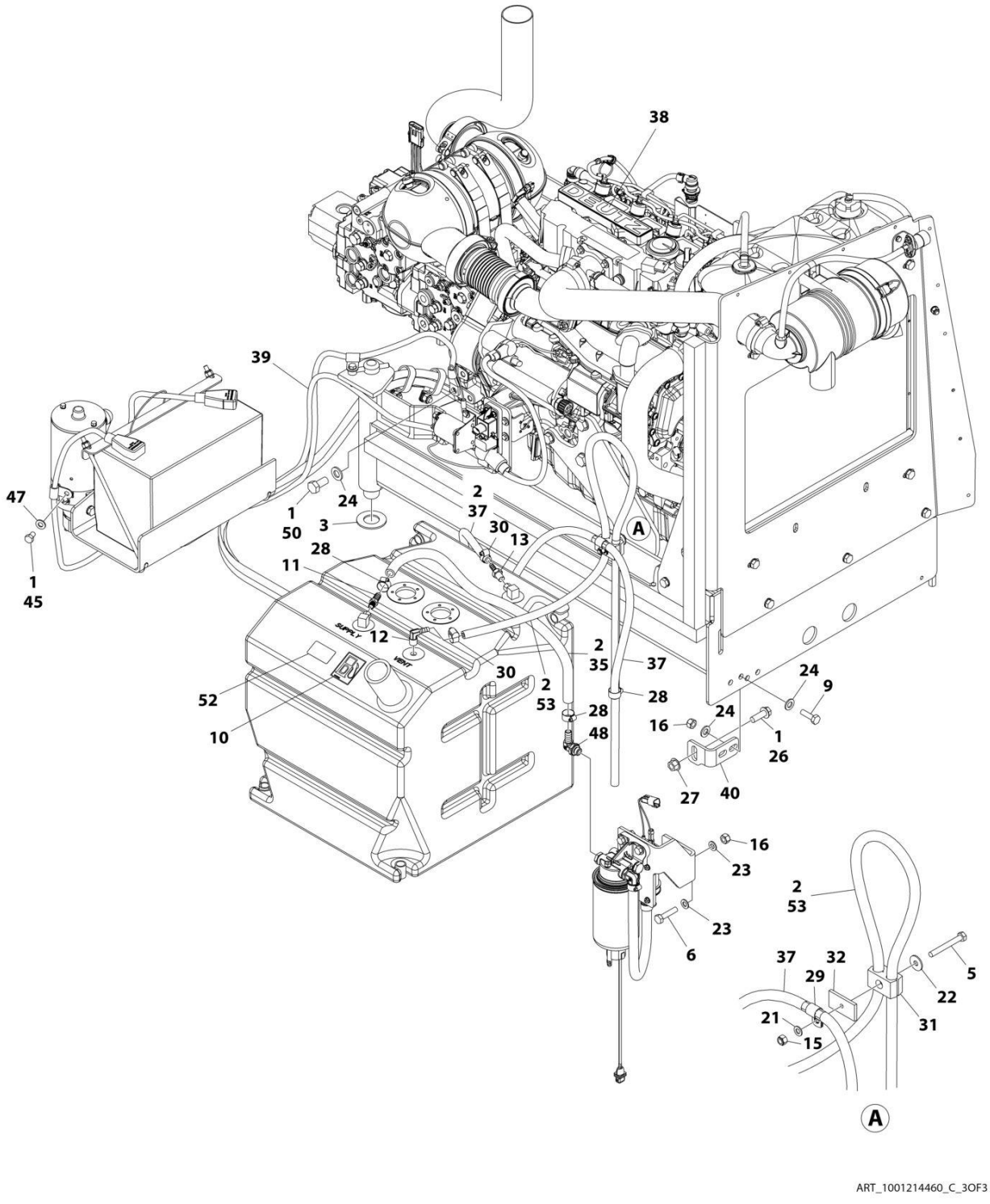

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FIGURE 3-8. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, CSA AND ANSI EXPORT SPECS)

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

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

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

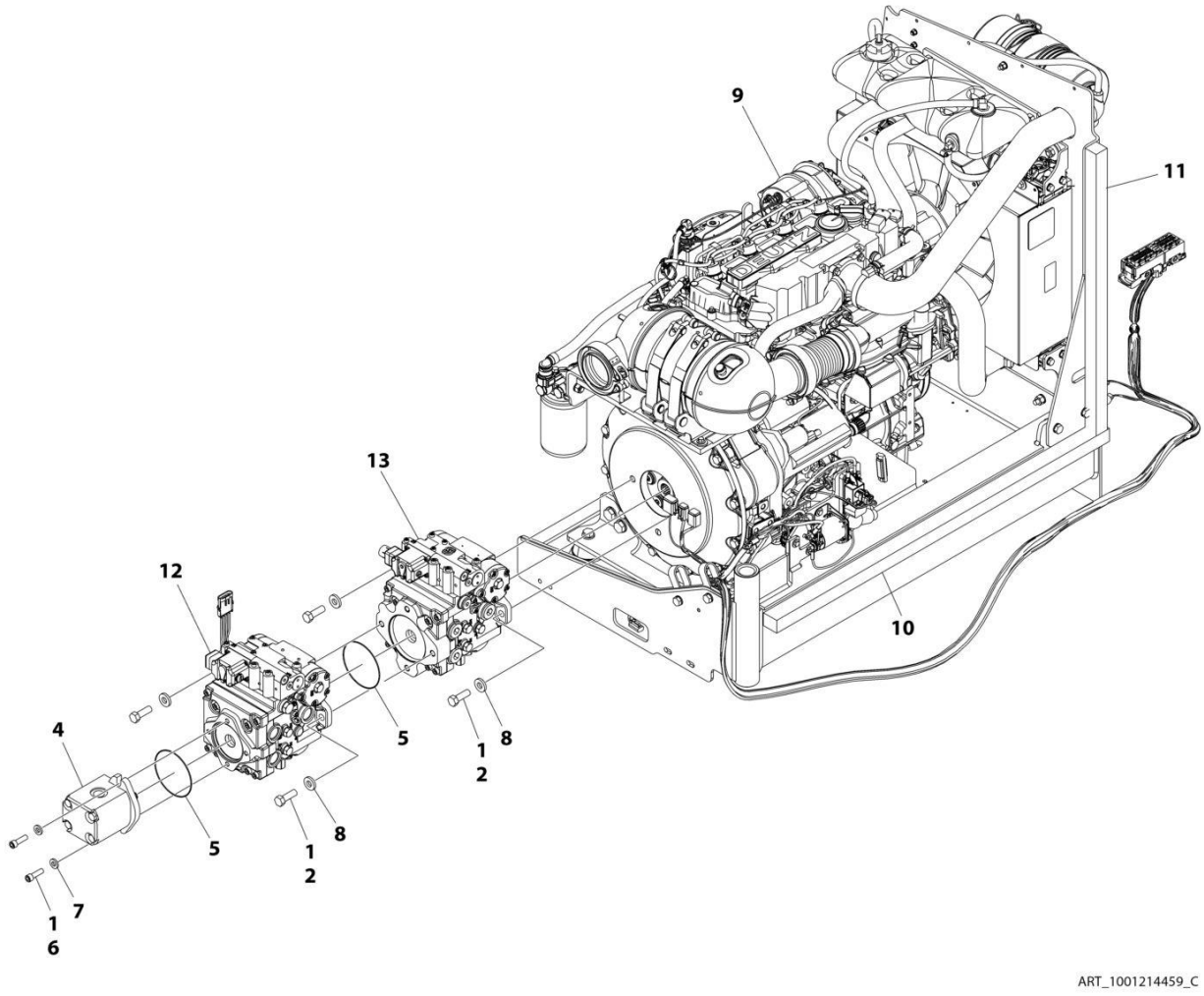
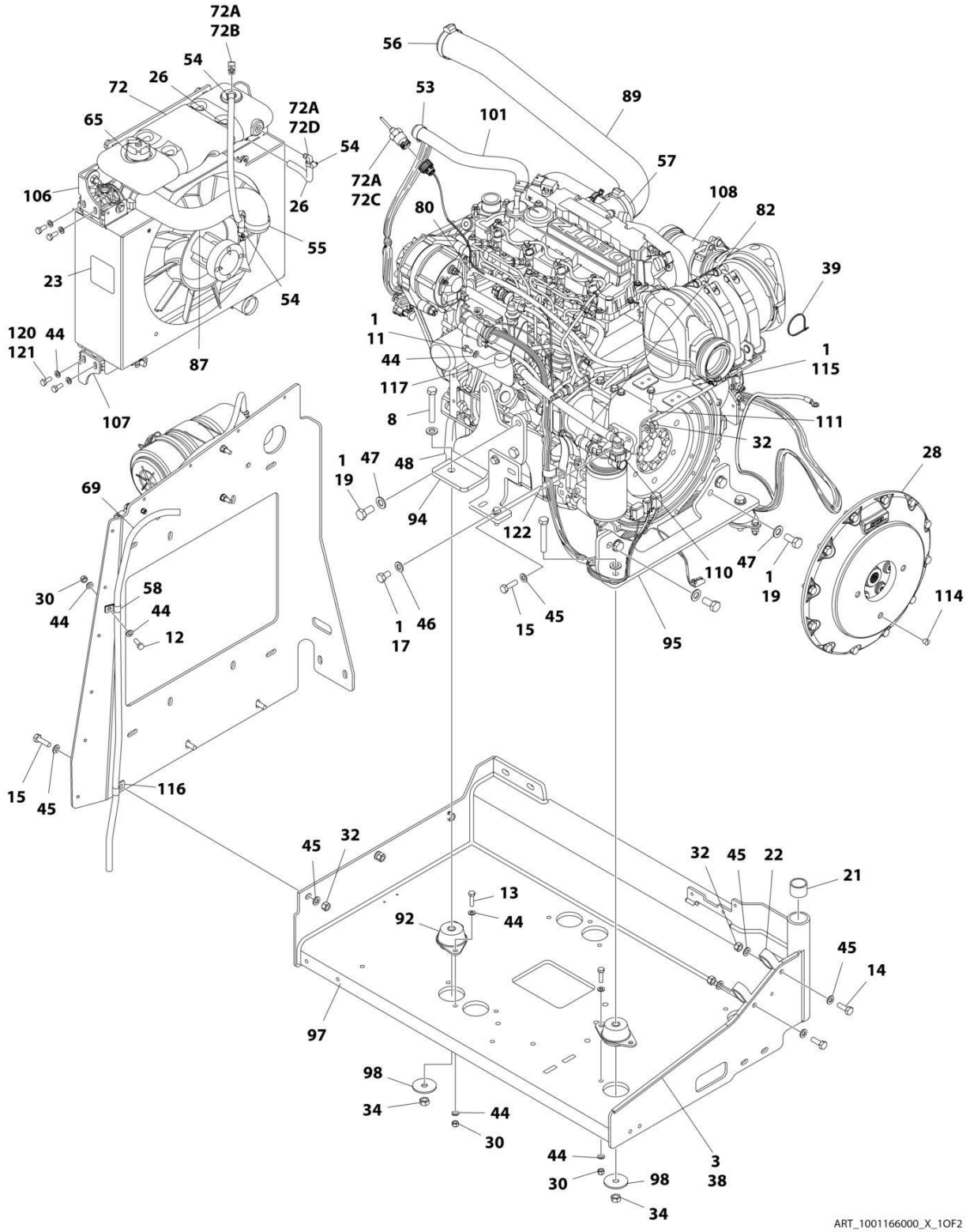


FIGURE 3-9. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

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

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



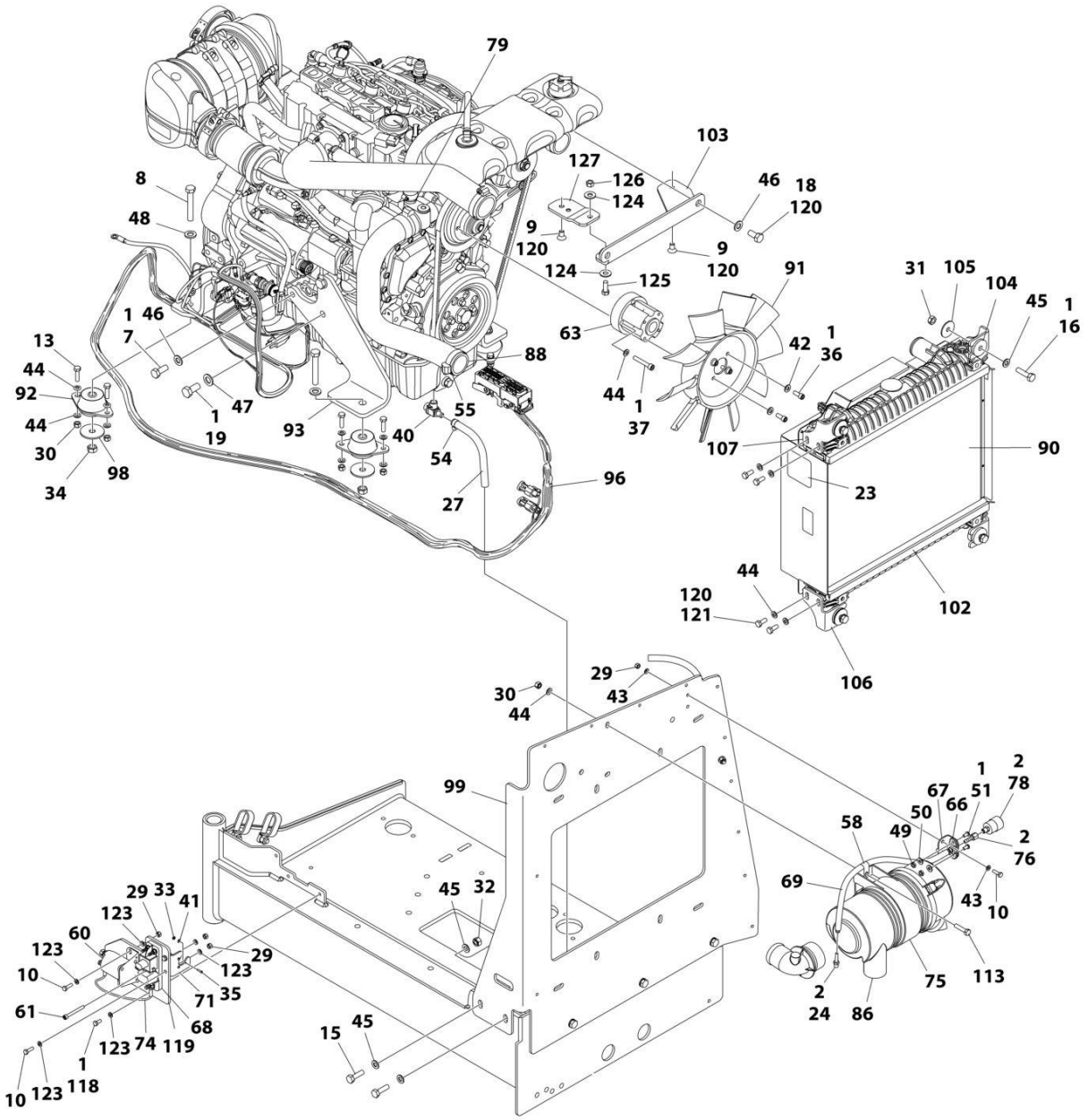

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FIGURE 3-10. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

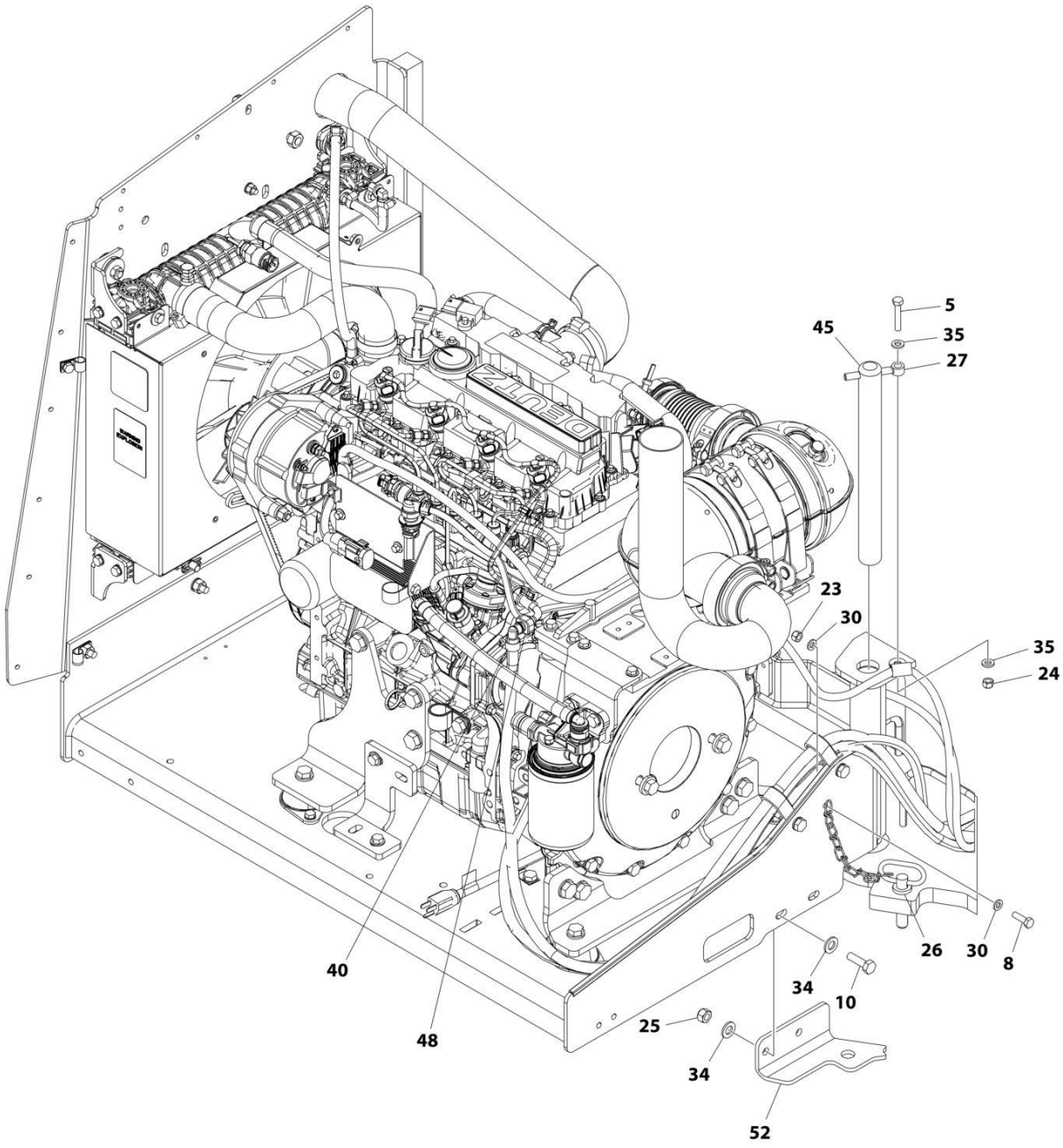
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166000	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE)	Y
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
7	0711214	1	Bolt M12 x 30	
8	0711224	AR	Bolt M12 x 80 Grade 10.9	
9	0741606	2	Screw 3/8 x 3/4	
10	0760610	6	Bolt M6 x 20	
11	0760808	1	Bolt M8 x 16	
12	0760812	1	Bolt M8 x 25	
13	0760814	AR	Bolt M8 x 30	
14	0761014	2	Bolt M10 x 30	
15	0761015	7	Bolt M10 x 35	
16	0761016	4	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771414	AR	Bolt M14 x 30 Grade 10.9	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2220315	1	Fitting, Straight Barbed	
26	2720015	2 ft/ 0.61m	Hose	
27	2720340	8 in/ 20.3cm	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	7	Nut M6	
30	3290805	AR	Nut M8	
31	3291001	4	Nut M10	
32	3291005	9	Nut M10	
33	3310401	3	Nut #4	
34	3331215	AR	Nut M12	
35	3910408	3	Screw #4- x 1/2	
36	3931512	4	Capscrew, 5/16 x 3/4	
37	4031914	4	Bolt M8 x 50	
38	4060805	2.25 ft/ 0.69m	Flex-Trim	
39	4240099	AR	Tie-Strap	
40	4640751	1	Valve, Oil Drain	
41	4710400	3	Washer #4	
42	4711500	4	Washer 5/16	
43	4811700	4	Washer M6	
44	4811900	AR	Washer M8	
45	4812000	22	Washer M10	
46	4812100	4	Washer M12	
47	4812200	AR	Washer M14	
48	5241200	4	Washer M12 Hardened	
49	8305401	2	Nut, Jam	
50	8307109	2	Washer	

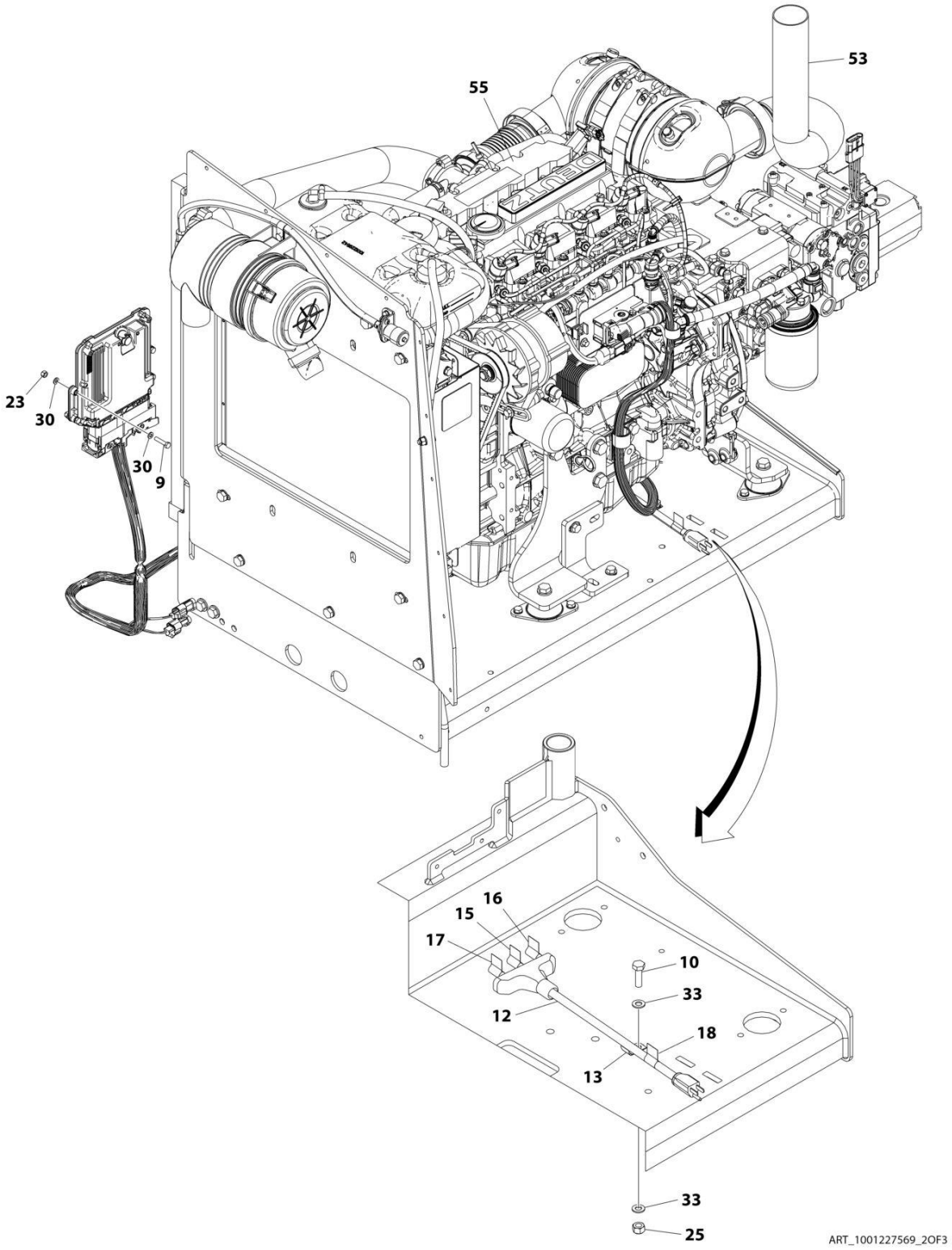
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	8310548	2	Screw, 1/4 x 1/2	
53	8405007	2	Clamp	
54	8405009	5	Clamp	
55	8405104	4	Clamp	
56	8405202	1	Clamp	
57	8405204	1	Clamp	
58	8406109	2	Clip	
60	1001117308	1	Relay, 200Amp	
60	3300220	2	Nut	
60	3321001	2	Nut #10	
60	4761000	2	Washer #10	
60	1001111424	2	Washer	
61	1001118878	1	Bolt M6 x 55	
63	1001144116	1	Spacer, Fan	
65	1001136834	1	Cap, Tank	
66	1001138173	1	Support, Service Indicator	
67	1001138175	1	Bracket, Service Indicator	
68	1001138228	1	Relay, Power Module	
68	70023592	1	Fuse 20Amp	
68	70023593	1	Fuse 30Amp	
69	1001138248	5.25 ft/ 1.6m	Tube	
71	1001139240	1	Bracket	
72	1001230635	1	Tank, Surge (Includes Items 72A-72D)	
72A	0100020	AR	Sealant, Pipe	
72B	1001134488	1	Fitting, Barbed	
72C	1001138827	1	Sensor, Coolant Level	
72D	1001140564	1	Fitting, Barbed 90	
74	1001141304	1	Harness, Glow Plug	
75	1001141694	1	Clamp, Air Cleaner	
76	1001141995	1	Fitting, Barbed	
78	1001143390	1	Indicator	
79	1001143797	1	Fitting, Barbed	
80	1001178788	1	Cable, Alternator	
82	1001152489	1	Fitting, Barbed 90	
86	1001165388	1	Air Cleaner Assembly	
86	70003783	1	Element, Air Cleaner	
87	1001165405	1	Hose, Upper Radiator	
88	1001165406	1	Hose, Lower Radiator	
89	1001165721	1	Hose, Air Intake	
90	1001165722	1	Radiator	
91	1001165849	1	Fan	
92	1001166718	AR	Mount, Motor	
93	1001166921	1	Plate, Engine Mount	
94	1001166922	Ref	Plate, Engine Mount	
95	1001166924	1	Plate, Engine Mount	
96	1001167108	1	Harness Engine - Deutz D2.9L4 (See Separate Breakdown in ELECTRICAL SECTION)	
97	1001167520	1	Tray, Engine	
98	1001168018	4	Washer, Special	
99	1001168026	1	Plate, Radiator Mounting	
101	1001168099	1	Hose	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	1001168166	2	Seal	
103	1001260420	1	Bracket	
104	1001169054	4	Isolator	
105	1001169138	4	Washer, Snubbing	
106	1001169967	2	Bracket	
107	1001170035	2	Bracket	
108	1001249965	1	Engine, Deutz D2.9L4 (See Separate Breakdown in this Section)	
110	1001177359	1	Hose	
111	1001178876	1	Mount, Fuel Filter	
113	0760815	2	Bolt M8 x 35	
114	3520054	1	Plug	
115	5250810	2	Bolt M8 x 20	
116	8406110	1	Clip	
117	8406201	1	Clip	
118	0760607	3	Bolt M6 x 14	
119	1001179903	1	Bracket	
120	1001180620	AR	Adhesive	
121	0760810	8	Bolt M8 x 20	
122	1001191620	1	Clamp	
123	4811702	12	Washer M6	
124	4751600	2	Washer 3/8	
125	0681608	1	Bolt 3/8 x 1	
126	3311605	1	Nut 3/8	
127	1001260412	1	Bracket	
128	1001162335	1	Bracket Assembly - Fuel Pump/Filter (Not Shown - See Separate Breakdown in this Section)	

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




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SECTION 3 - ENGINE

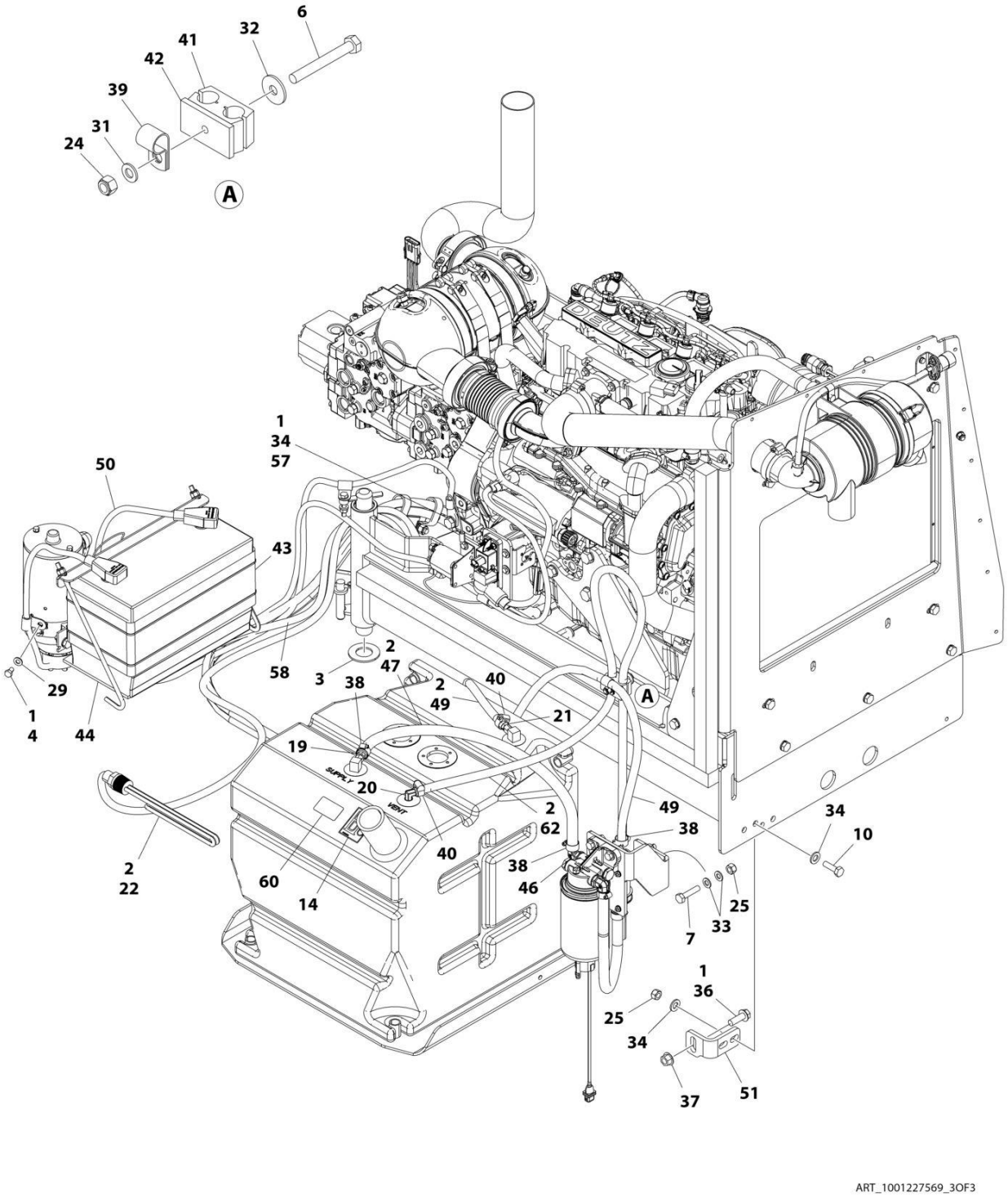


FIGURE 3-11. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

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

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

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

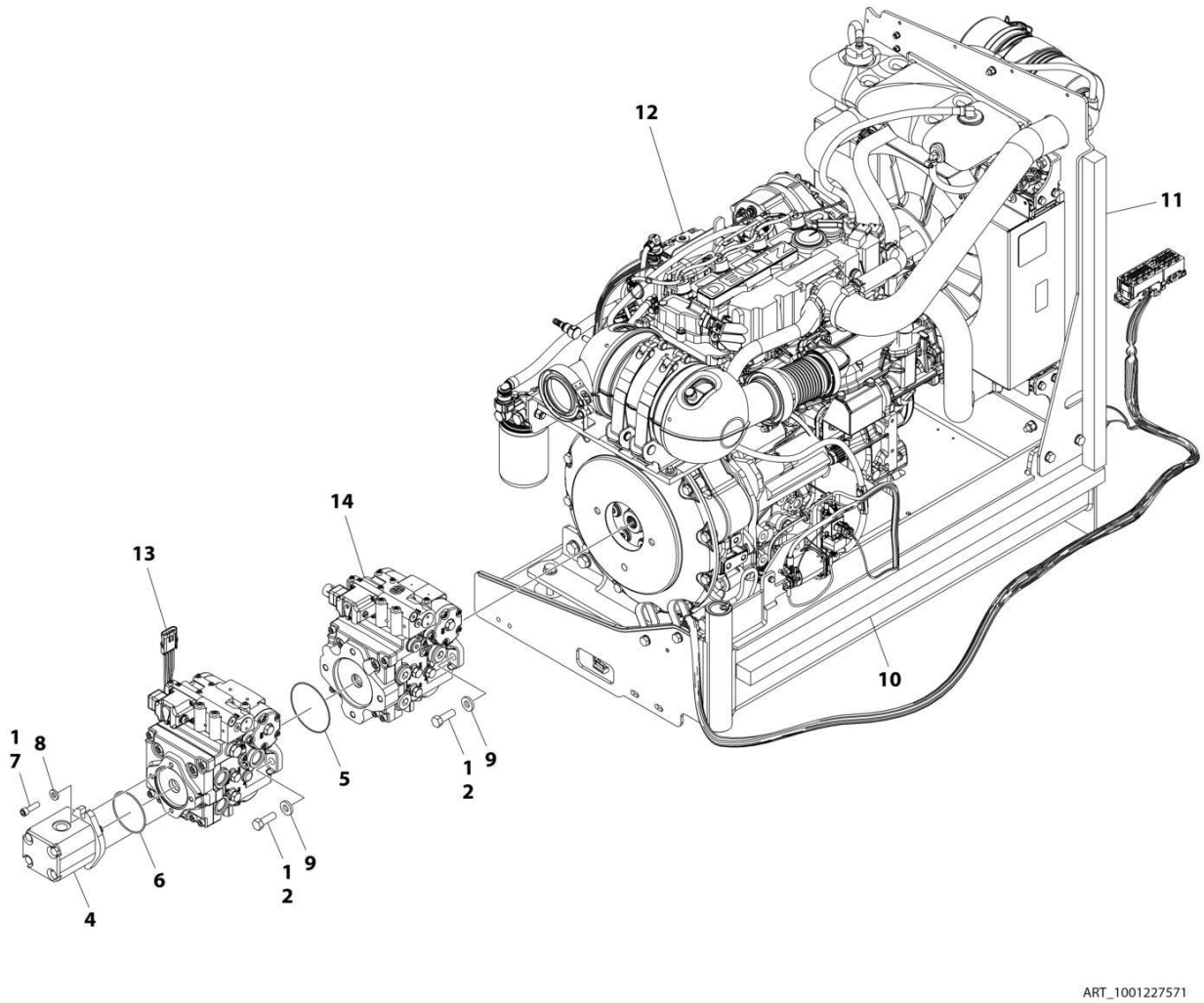
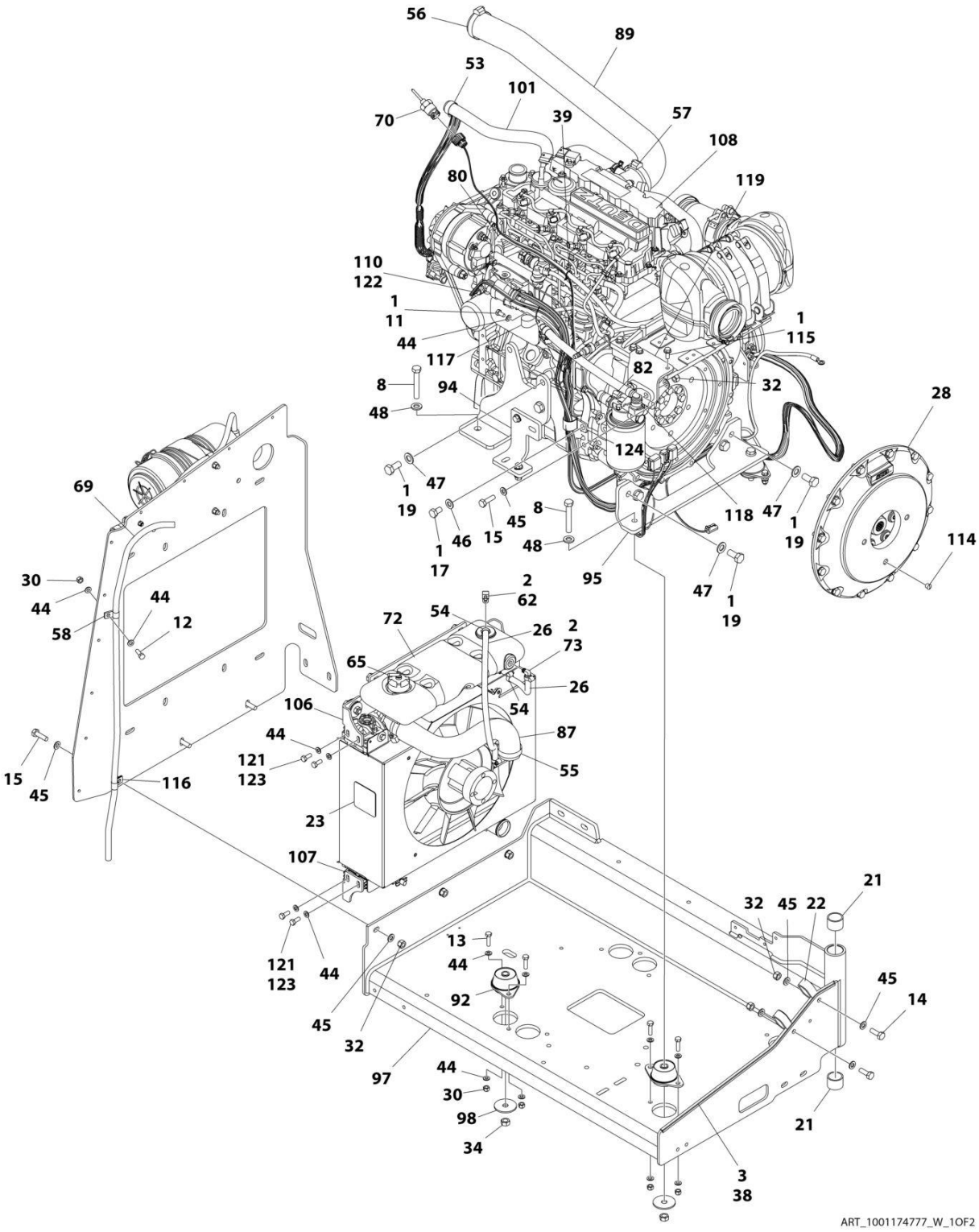
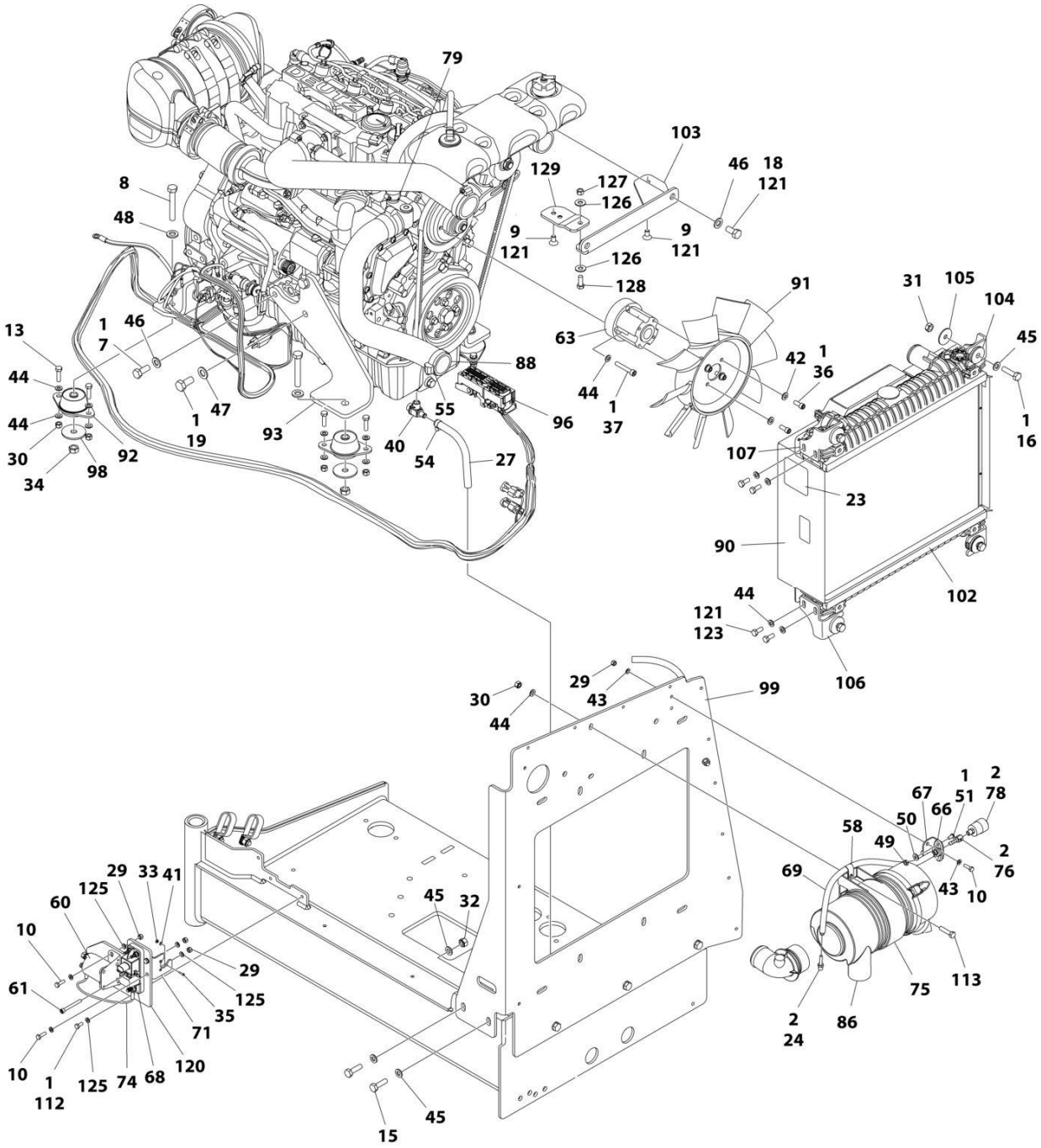


FIGURE 3-12. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

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

FIGURE 3-13. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)





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FIGURE 3-13. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174777	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE)	X
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
7	0711214	1	Bolt M12 x 30	
8	0711224	AR	Bolt M12 x 80	
9	0741606	2	Screw 3/8 x 3/4	
10	0760610	6	Bolt M6 x 20	
11	0760808	1	Bolt M8 x 16	
12	0760812	1	Bolt M8 x 25	
13	0760814	8	Bolt M8 x 30	
14	0761014	2	Bolt M10 x 30	
15	0761015	7	Bolt M10 x 35	
16	0761016	4	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771414	AR	Bolt M14 x 30 Grade 10.9	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2220315	1	Fitting, Barbed	
26	2720015	2 ft/0.61m	Hose	
27	2720340	8 in /0.2m	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	7	Nut M6	
30	3290805	AR	Nut M8	
31	3291001	4	Nut M10	
32	3291005	9	Nut M10	
33	3310401	3	Nut #4	
34	3331215	AR	Nut M12 x 1.75	
35	3910408	3	Screw #4- x 1/2	
36	3931512	4	Capscrew 5/16 x 3/4	
37	4031914	4	Bolt M8 x 50	
38	4060805	2.25 ft/ 0.69m	Flex-Trim	
39	4240099	AR	Tie-Strap	
40	4640751	1	Valve, Oil Drain	
41	4710400	3	Washer #4	
42	4711500	4	Washer 5/16	
43	4811700	4	Washer M6	
44	4811900	AR	Washer M8	
45	4812000	22	Washer M10	
46	4812100	4	Washer M12	
47	4812200	9	Washer M14	
48	5241200	AR	Washer M12	
49	8305401	2	Nut Jam	
50	8307109	2	Washer, .250	
51	8310548	2	Screw 1/4 x 1/2	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	8405007	2	Clamp	
54	8405009	5	Clamp	
55	8405104	4	Clamp	
56	8405202	1	Clamp	
57	8405204	1	Clamp	
58	8406109	2	Clip	
60	1001117308	1	Relay, 200Amp	
60	3300220	2	Nut	
60	3321001	2	Nut #10	
60	4761000	2	Washer #10	
60	1001111424	2	Washer	
61	1001118878	1	Bolt M6 x 55	
62	1001134488	1	Fitting, Barbed 90	
63	1001144116	1	Spacer, Fan	
65	1001136834	1	Cap, Tank	
66	1001138173	1	Support, Service Indicator	
67	1001138175	1	Bracket, Service Indicator	
68	1001138228	1	Relay, Power Module	
68	70023592	1	Fuse 20Amp	
68	70023593	1	Fuse 30Amp	
69	1001138248	5.25 ft/ 1.6m	Tube	
70	1001138827	1	Sensor, Coolant Level	
71	1001139240	1	Bracket	
72	1001230635	1	Tank, Surge (Includes Items 62, 70 & 73)	
73	1001140564	1	Fitting, Barbed 90	
74	1001141304	1	Harness, Glow Plug	
75	1001141694	1	Clamp, Air Cleaner	
76	1001141995	1	Fitting, Barbed	
78	1001143390	1	Indicator	
79	1001143797	1	Fitting, Barbed	
80	1001178788	1	Cable, Alternator	
82	1001152489	1	Fitting, Barbed 90	
86	1001165388	1	Air Cleaner Assembly	
86	70003783	1	Element, Air Cleaner	
87	1001165405	1	Hose, Upper Radiator	
88	1001165406	1	Hose, Lower Radiator	
89	1001165721	1	Hose, Air Intake	
90	1001165722	1	Radiator	
91	1001165849	1	Fan	
92	1001166718	AR	Mount, Motor	
93	1001166921	1	Plate, Engine Mount	
94	1001166922	Ref	Plate, Engine Mount	
95	1001166924	1	Plate, Engine Mount	
96	1001167108	1	Harness Engine - Deutz D2.9L4 (See Separate Breakdown in ELECTRICAL SECTION)	
97	1001167520	1	Tray, Engine	
98	1001168018	AR	Washer, Special	
99	1001168026	1	Plate, Radiator Mounting	
101	1001168099	1	Hose	
102	1001168166	2	Seal	
103	1001260420	1	Bracket	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
104	1001169054	4	Isolator	
105	1001169138	4	Washer, Snubbing	
106	1001169967	2	Bracket	
107	1001170035	2	Bracket	
108	1001249965	1	Engine, Deutz D2.9L4 (See Separate Breakdown in this Section)	
110	1001140312	1	Heater, Engine Block	
112	0760607	3	Bolt M6 x 14	
113	0760815	2	Bolt M8 x 35	
114	3520054	1	Plug	
115	5250810	2	Bolt M8 x 20	
116	8406110	1	Clip	
117	8406201	1	Clip	
118	1001177359	1	Hose	
119	1001178876	1	Mount, Fuel Filter	
120	1001179903	1	Bracket	
121	1001180620	AR	Adhesive	
122	1001181895	AR	Adhesive	
123	0760810	8	Bolt M8 x 20	
124	1001191620	1	Clamp	
125	4811702	12	Washer M6	
126	4751600	2	Washer 3/8	
127	3311605	1	Nut 3/8	
128	0681608	1	Bolt 3/8 x 1	
129	1001260412	1	Bracket	
130	1001162335	1	Bracket Assembly - Fuel Pump/Filter (Not Shown) (See Separate Breakdown in this Section)	

FIGURE 3-14. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)

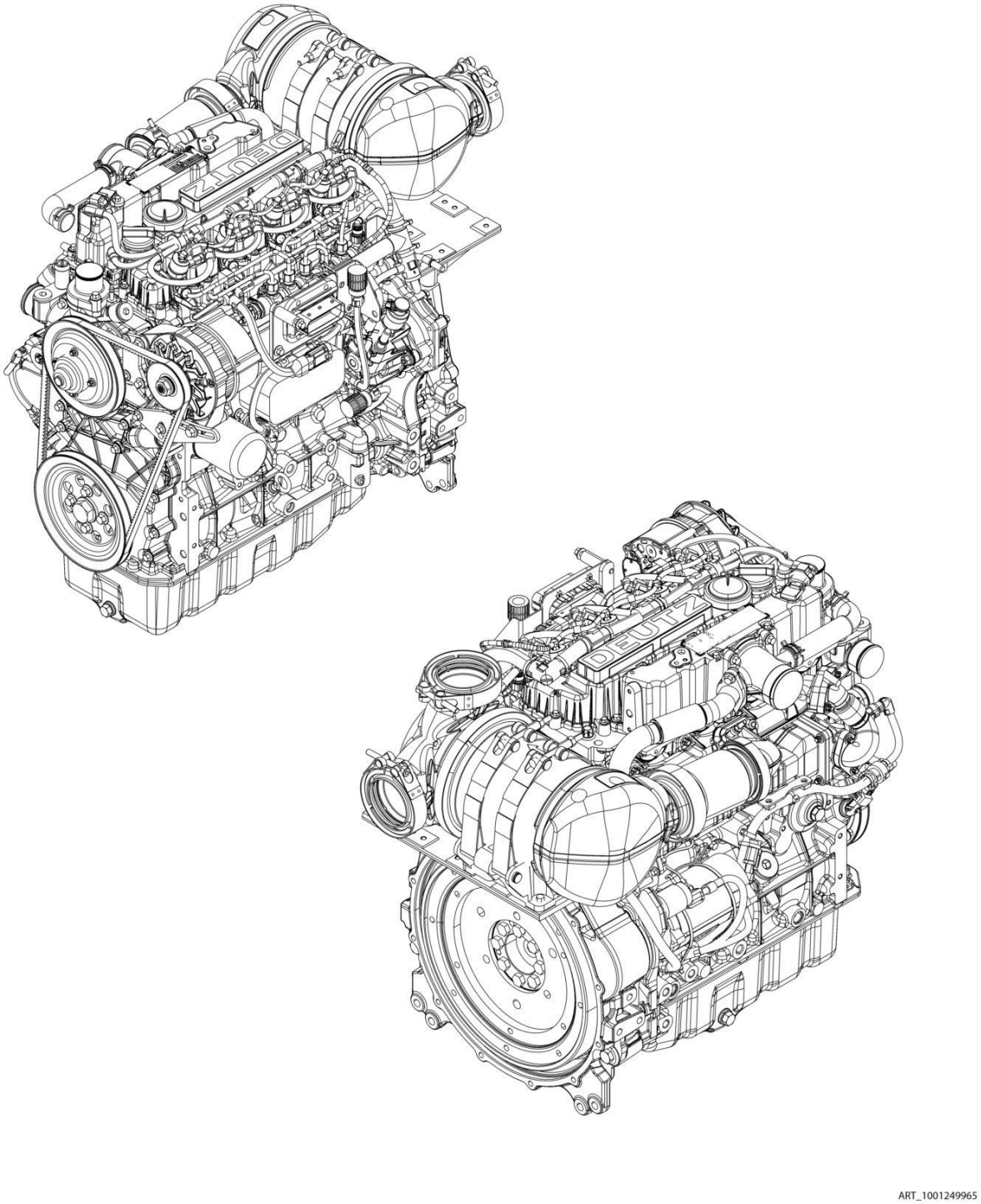
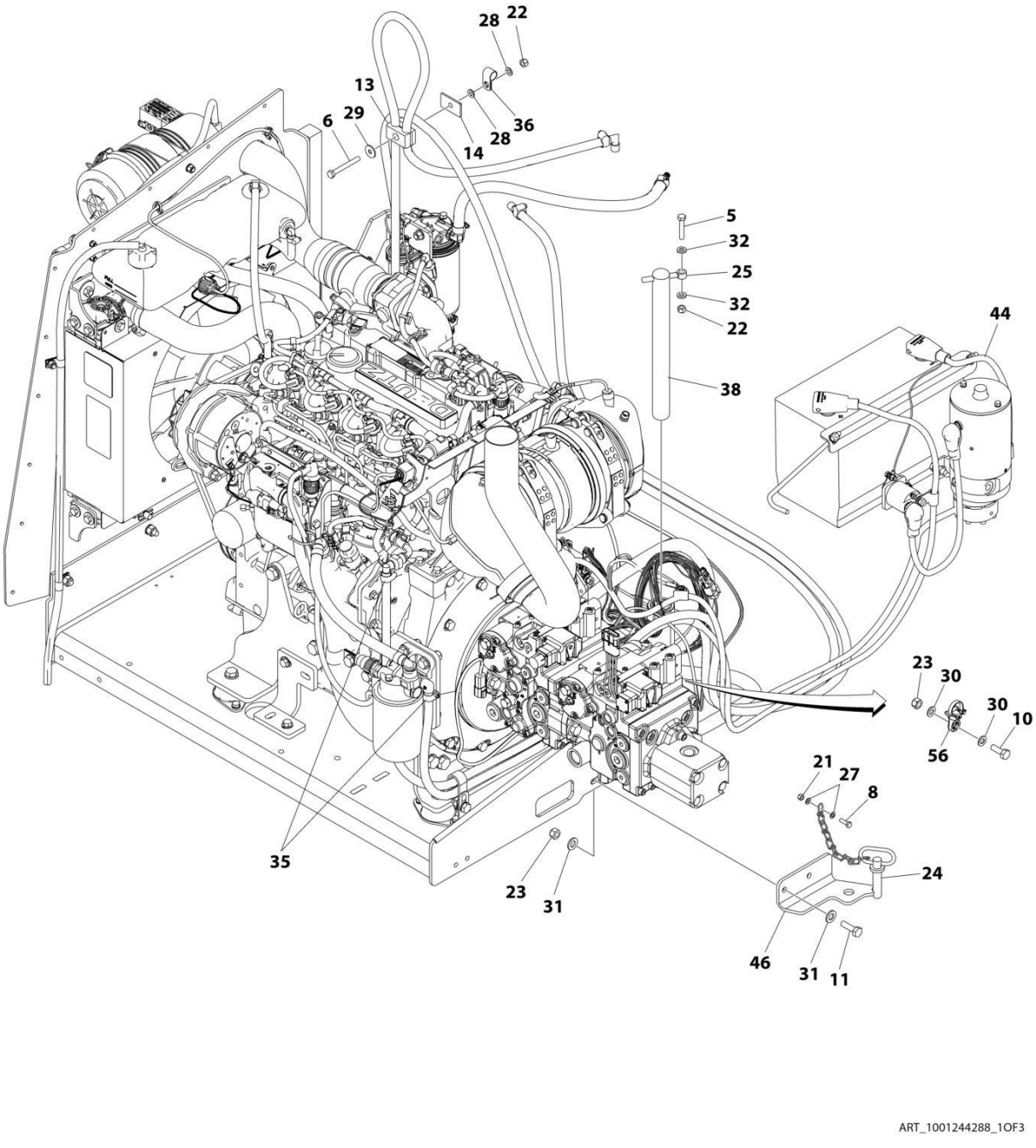


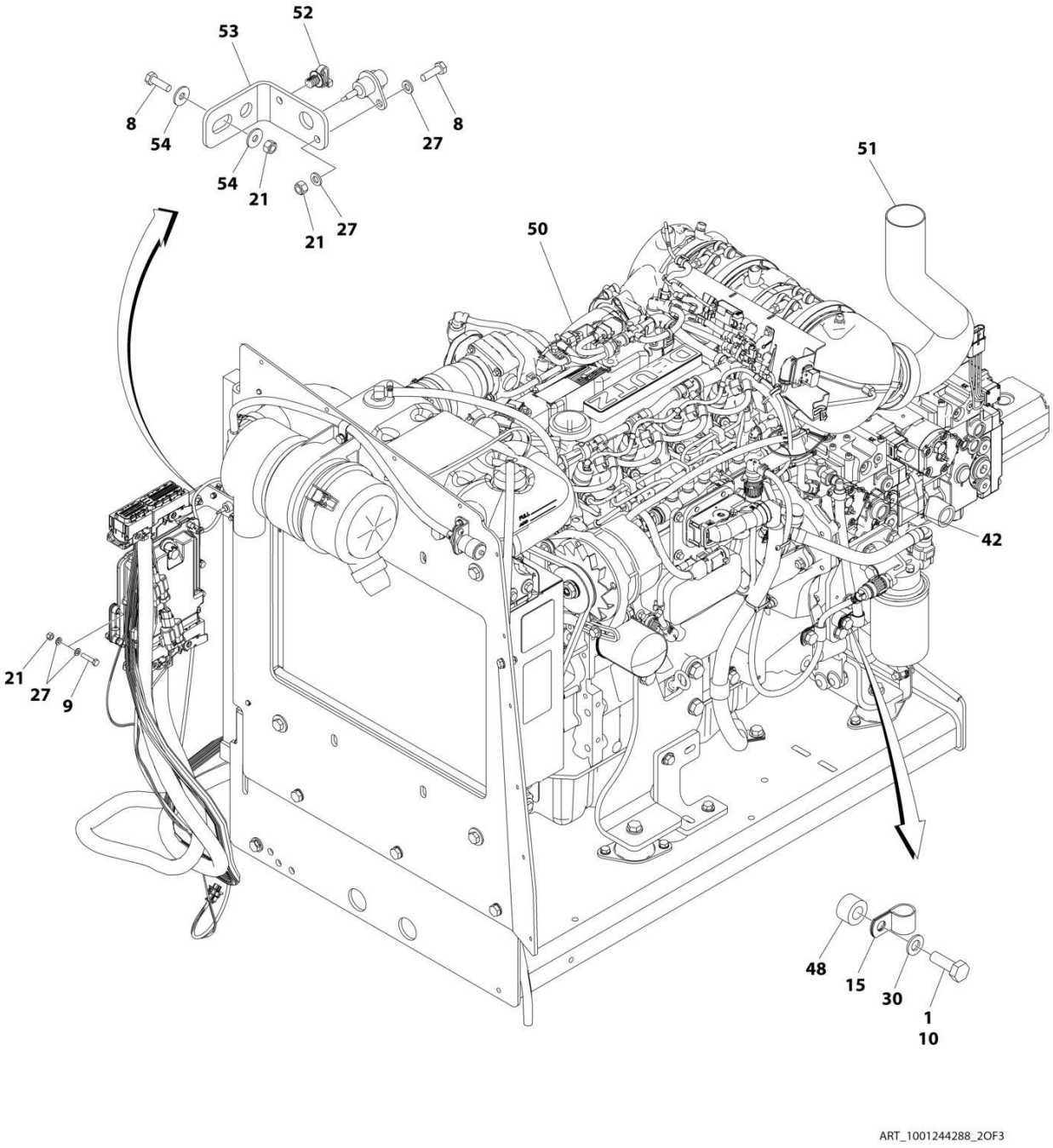
FIGURE 3-14. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)

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

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

FIGURE 3-15. ENGINE INSTALLATION - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)




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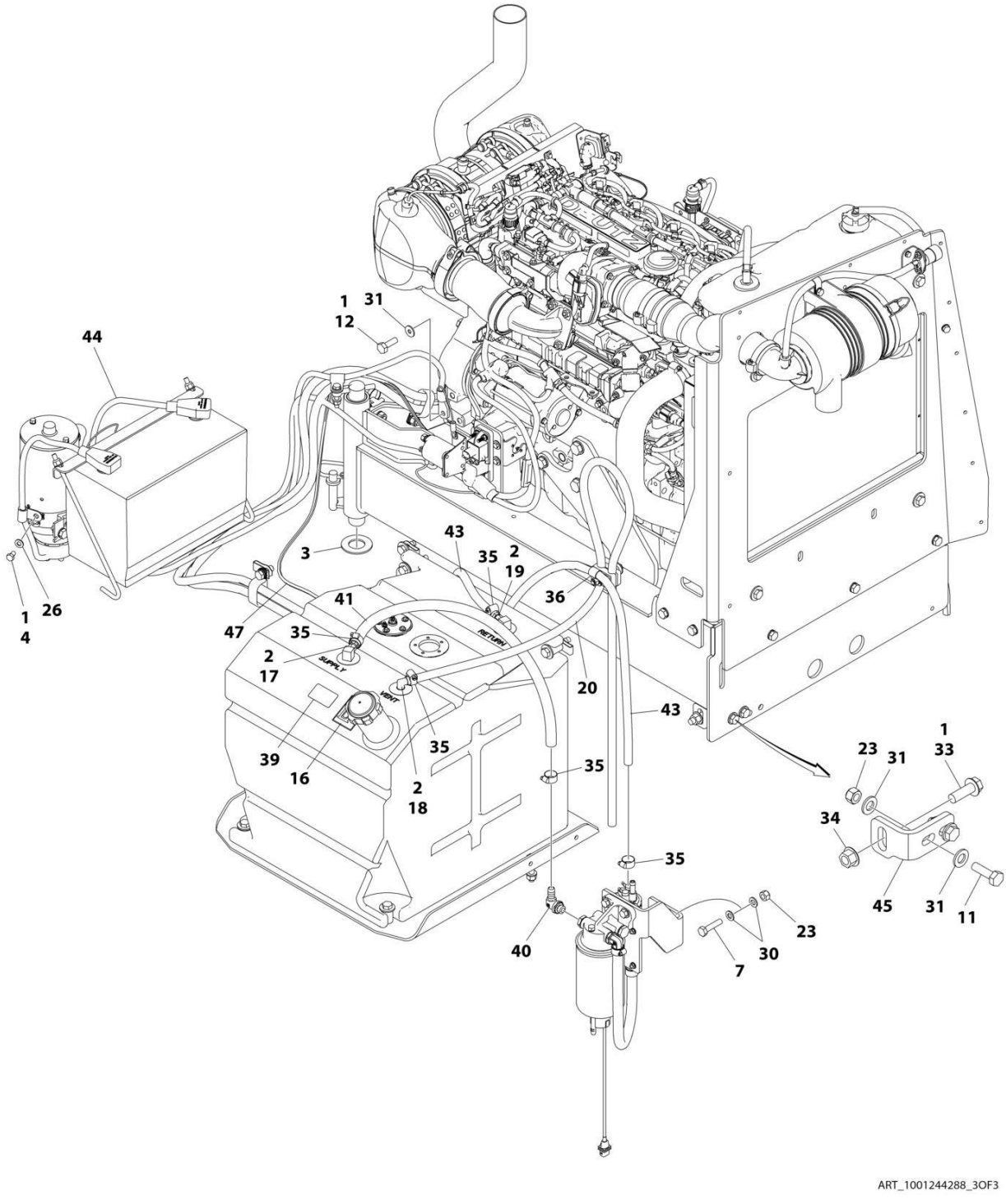

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FIGURE 3-15. ENGINE INSTALLATION - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244288	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 (STAGE V) ENGINE	F
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0700822	1	Bolt M8 x 70	
7	0701017	2	Bolt M10 x 45	
8	0760610	4	Bolt M6 x 20	
9	0760613	4	Bolt M6 x 28	
10	0761014	2	Bolt M10 x 30	
11	0761015	4	Bolt M10 x 35	
12	0771212	1	Bolt M12 x 25	
13	1320187	1	Clamp	
14	1320190	1	Clamp	
15	1320061	1	Clamp	
16	1701505	1	Decal - Diesel Fuel	
17	2180832	1	Fitting, Barbed	
18	2220313	1	Fitting, Barded 90	
19	2220767	AR	Fitting, Barbed 90	
19	8430007	AR	Fitting, Barbed	
20	2750532	5.5 ft /1.69m	Hose	
21	3290605	8	Nut M6	
22	3290805	2	Nut M8	
23	3291005	7	Nut M10	
24	3422532	1	Pin	
25	3841143	1	Keeper, Pin	
26	4711500	1	Washer, 5/16	
27	4811700	12	Washer, M6	
28	4811900	2	Washer, M8	
29	4811902	1	Washer, M8	
30	4812000	7	Washer, M10	
31	4812100	9	Washer, M12	
32	5240800	2	Washer, M8 Hardened	
33	5251215	1	Bolt M12 x 35	
34	5261200	1	Nut, Flange M12 Class10	
35	8405006	7	Clamp	
36	8406101	1	Clip	
38	1001135196	1	Pin	
39	1001139654	1	Decal, Ultra Low Sulfer Fuel	
40	1001142501	1	Fitting, Barbed 90	
41	1001154405	2.29 ft /0.70m	Hose	
42	1001155823	1	Coupling, Quick Disconnect 90	
43	1001165035	21.06 ft /6.42m	Hose	
44	1001166970	1	Battery and Auxiliary Power Pump Cable Kit	
45	1001167512	1	Bracket, Engine Tray	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001169823	1	Plate, Engine Lock	
47	1001173342	1	Harness, Fuel Pump (See Separate Breakdown in ELECTRICAL Section)	
48	1001220266	1	Bar, Spacer M12 x 12	
50	1001244289	1	Engine Assy, Deutz Stage V W/Pumps (See Separate Breakdown in this Section)	
51	1001245305	1	Pipe, Exhaust	
52	1001146588	2	Strap	
53	1001256879	1	Bracket	
54	4811702	4	Washer M6	
55	1062255	AR	Tie-Strap (Not Shown)	
56	1001156107	1	Holder	

FIGURE 3-16. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

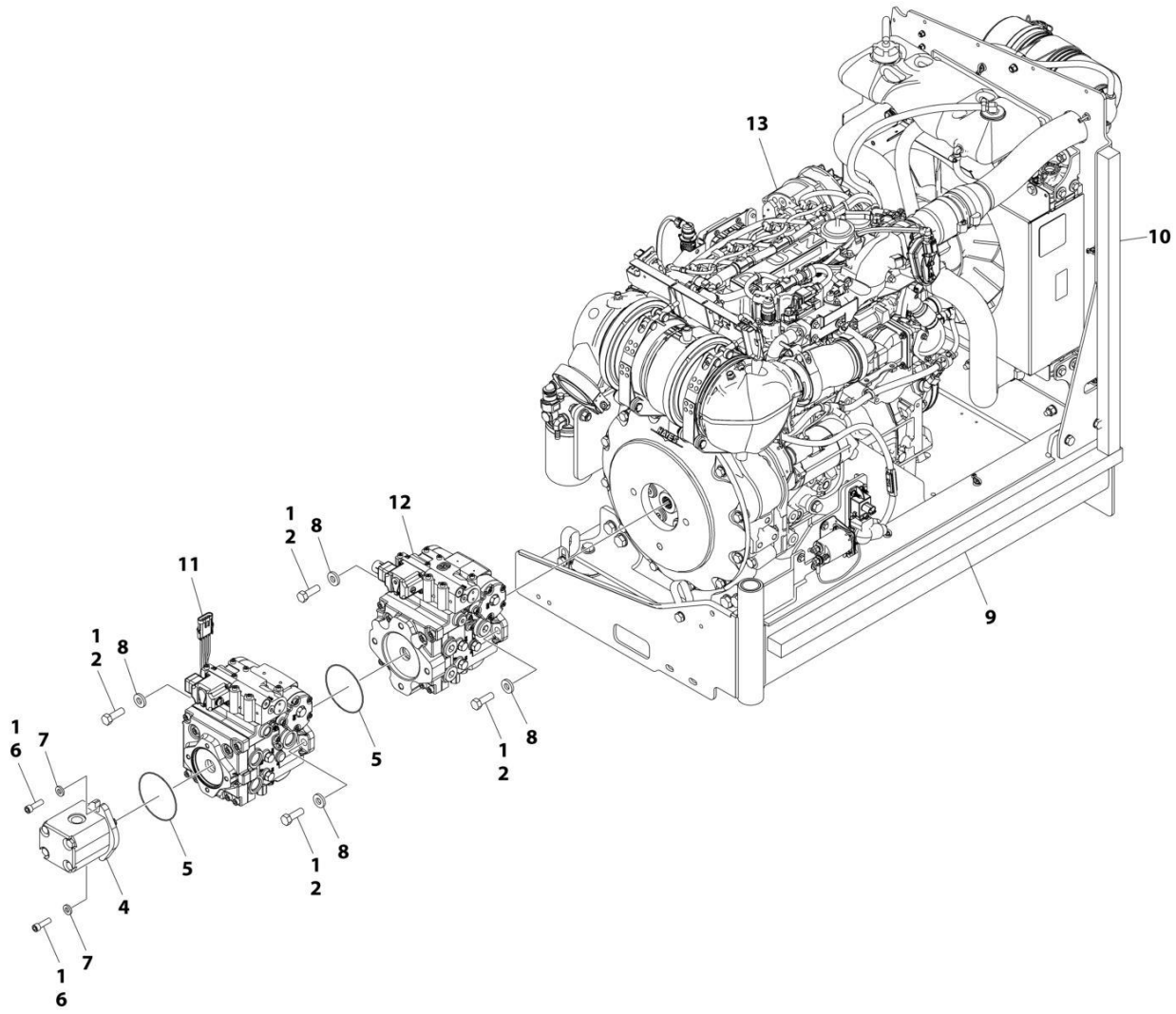
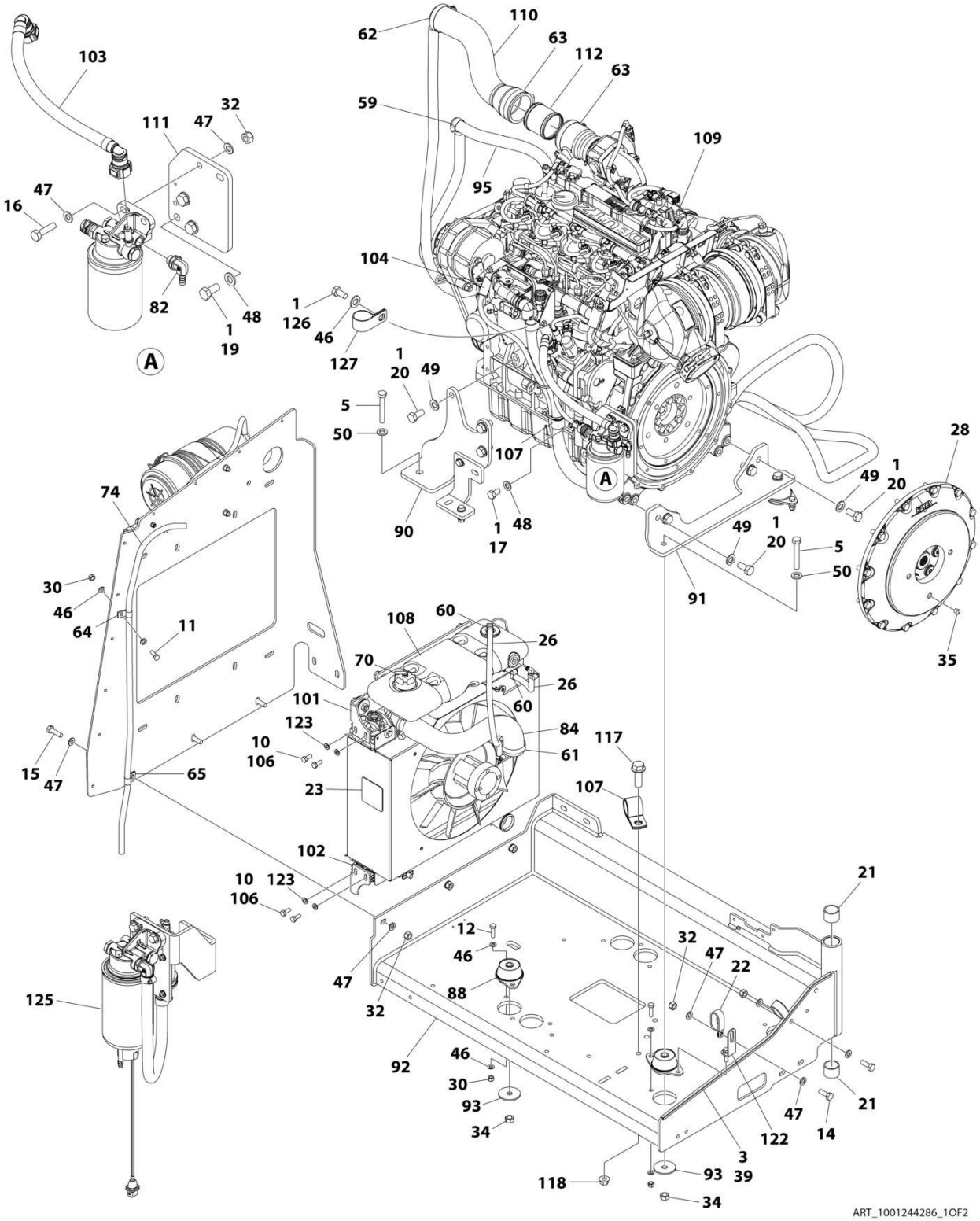
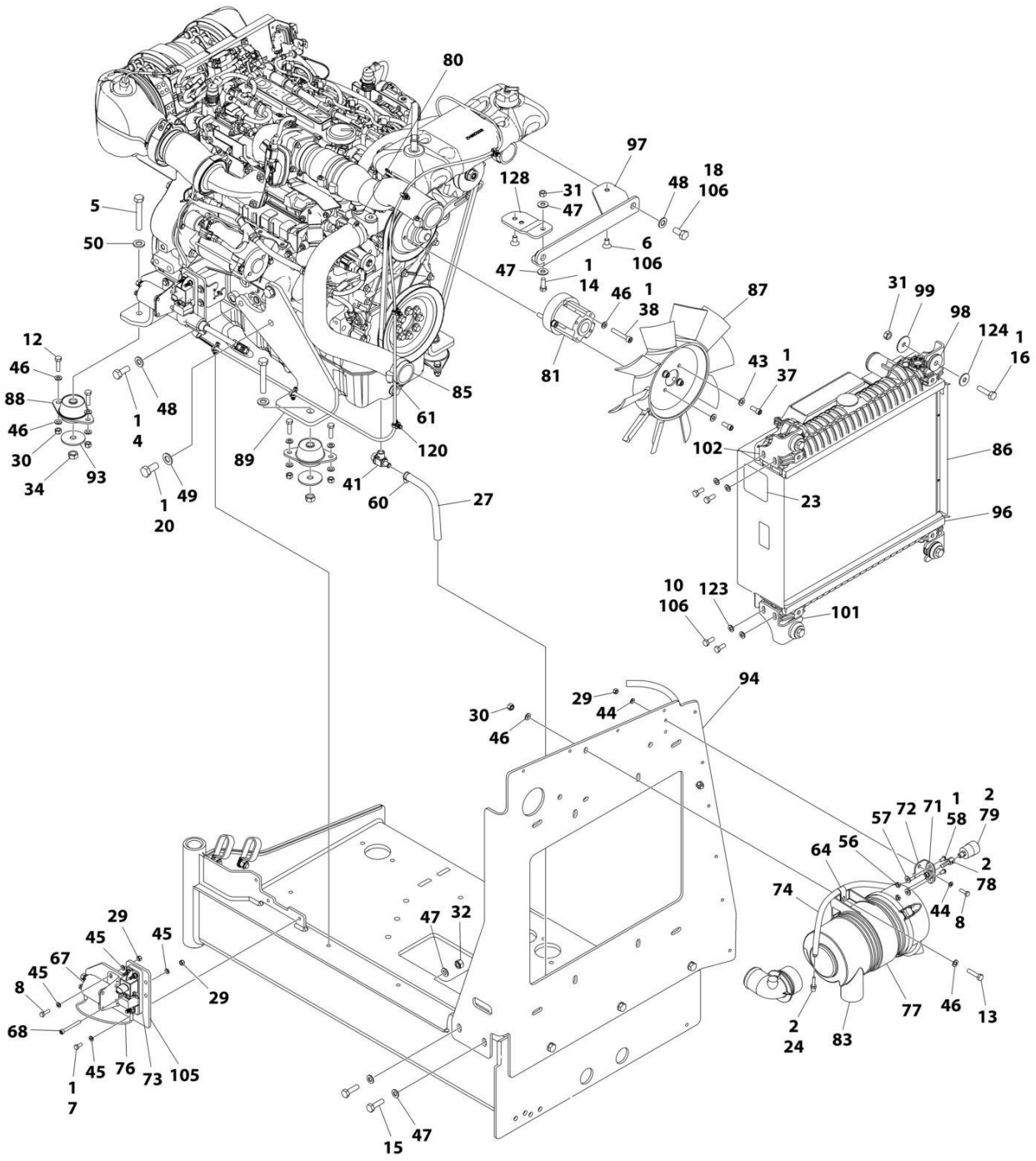


FIGURE 3-16. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244289	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE	D
1	0100011	AR	Compound, Locking	
2	0641812	4	Bolt 1/2 x 1-1/2	
4	3600242	1	Gear Pump Assembly (See Separate Breakdown in this Section)	
5	3790045	1	O-Ring	
6	3931620	2	Capscrew, 3/8 x 1-1/4	
7	4891600	2	Washer, 3/8 Hardened	
8	4891800	4	Washer 1/2 Hardened	
9	1001171953	1	Seal	
10	1001171954	1	Seal	
11	1001189236	1	Piston Pump Assembly (Rear) (See Separate Breakdown in this Section)	
12	1001189237	1	Piston Pump Assembly (Front) (See Separate Breakdown in this Section)	
13	1001244286	1	Engine Assembly, Deutz (Stage V) Engine (See Separate Breakdown in this Section)	

FIGURE 3-17. ENGINE ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)





ART_1001244286_2OF2

FIGURE 3-17. ENGINE ASSEMBLY - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244286	Ref	ENGINE ASSEMBLY, DEUTZ (STAGE V) ENGINE	K
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0711214	1	Bolt M12 x 30	
5	0711224	AR	Bolt M12 x 80	
6	0741606	2	Screw 3/8 x 3/4	
7	0760607	3	Bolt M6 x 14	
8	0760610	4	Bolt M6 x 20	
10	0760810	8	Bolt M8 x 20	
11	0760812	1	Bolt M8 x 25	
12	0760814	AR	Bolt M8 x 30	
13	0760815	2	Bolt M8 x 35	
14	0761014	3	Bolt M10 x 30	
15	0761015	5	Bolt M8 x 35	
16	0761016	6	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771212	3	Bolt M12 x 25	
20	0771414	9	Bolt M14 x 30	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2220315	1	Fitting, Barbed	
26	2720015	1.94 ft /0.59m	Hose	
27	2720340	0.66 ft/ 0.20m	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	5	Nut M6	
30	3290805	AR	Nut M8	
31	3291001	5	Nut M10	
32	3291005	9	Nut M10	
34	3331215	4	Nut M12 x 1.75	
35	3520054	1	Plug	
37	3931512	4	Capscrew, 5/16 x 3/4	
38	4031914	4	Bolt M8 x 50	
39	4060805	2.03 ft /0.62m	Flex-Trim	
40	4240099	AR	Tie-Strap (Not Shown)	
41	4640751	1	Valve, Oil Drain	
43	4711500	4	Washer 5/16	
44	4811700	4	Washer M6	
45	4811702	8	Washer M6	
46	4811900	AR	Washer M8	
47	4812000	20	Washer M10	
48	4812100	7	Washer M12	
49	4812200	AR	Washer M14	
50	5241200	AR	Washer M12	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
56	8305401	2	Nut Jam	
57	8307109	2	Washer 1/4	
58	8310548	2	Screw 1/4 x 1/2	
59	8405007	2	Clamp	
60	8405009	5	Clamp	
61	8405104	4	Clamp	
62	8405202	1	Clamp	
63	8405204	2	Clamp	
64	8406109	2	Clip	
65	8406110	1	Clip	
67	1001117308	1	Relay, 200Amp	
68	1001118878	1	Bolt M6 x 55	
70	1001136834	1	Cap, Tank	
71	1001138173	1	Support, Service Indicator	
72	1001138175	1	Bracket, Service Indicator	
73	1001138228	1	Relay, Power Module	
74	1001138248	5.09 ft /1.55m	Tube	
76	1001141304	1	Harness, Glow Plug	
77	1001141694	1	Clamp, Air Cleaner	
78	1001141995	1	Fitting, Barbed	
79	1001143390	1	Indicator	
80	1001143797	1	Fitting, Barbed	
81	1001144116	1	Spacer, Fan	
82	1001152489	1	Fitting, Barbed 90	
83	1001165388	1	Air Cleaner Assembly	
83	70003783	1	Element, Air Cleaner	
84	1001165405	1	Hose, Upper Radiator	
85	1001165406	1	Hose, Lower Radiator	
86	1001165722	1	Radiator	
87	1001165849	1	Fan	
88	1001166718	AR	Mount, Motor	
89	1001166921	1	Plate, Engine Mount	
90	1001166922	1	Plate, Engine Mount (Prior to PVC2107)	
91	1001166924	1	Plate, Engine Mount	
92	1001167520	1	Tray, Engine	
93	1001168018	AR	Washer, Special	
94	1001168026	1	Plate, Radiator Mounting	
95	1001168099	1	Hose	
96	1001168166	2	Seal	
97	1001260420	1	Bracket (note: may require P/N 1001260412)	
98	1001169054	4	Isolator	
99	1001169138	4	Washer, Snubbing	
101	1001169967	2	Bracket	
102	1001170035	2	Bracket	
103	1001177359	1	Hose	
104	1001178788	1	Cable, Alternator	
105	1001179903	1	Bracket	
106	1001180620	AR	Adhesive	
107	1001191620	2	Clamp	
108	1001230635	1	Tank, Surge (Includes Items 62, 70, & 73)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
109	1001232545	1	Engine, Deutz 2.9L4 (Stage V) (See Separate Breakdown in this Section)	
110	1001236780	1	Hose, Air Intake	
111	1001258804	1	Mount, Fuel Filter	
112	1001238911	1	Pipe, Air Intake	
113	1001245839	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
117	5251215	1	Bolt M12 x 35	
118	5261200	1	Nut, Flange M12 Class10	
120	1001146588	AR	Tie-Strap (Not Shown)	
122	1001223122	1	Support	
123	4811902	8	Washer M8	
124	4812002	4	Washer M10	
125	1001235949	1	Bracket (See Separate Breakdown in this Section)	
126	0760808	1	Bolt M8 x 16	
127	8406201	1	Clip	
128	1001260412	1	Bracket	

FIGURE 3-18. ENGINE COMPONENTS - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

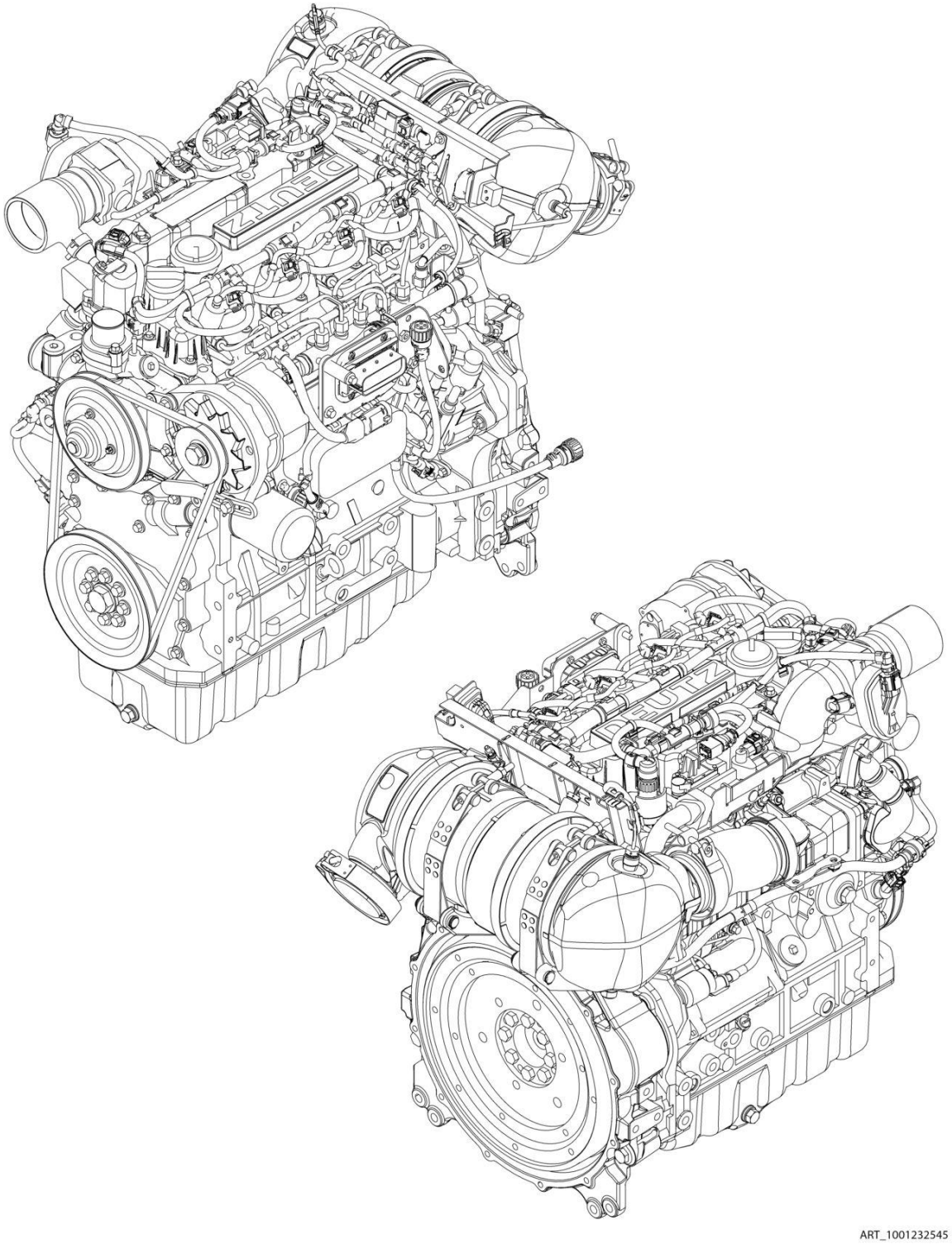


FIGURE 3-18. ENGINE COMPONENTS - DEUTZ D2.9L4 (STAGE V) ENGINE (WITHOUT ARCTIC PACKAGE) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232545	Ref	DEUTZ ENGINE COMPONENTS	H
		Ref	Note: For complete list of parts, contact JLG Parts Department	
		Ref	Air Intake System Components	
		Ref	Charge Air Pipe	
	70025168	1	Intake Pipe	
		Ref	Mixing Tube	
		Ref	Throttle Valve	
		Ref	Cooling System Components	
	70029797	1	Pump, Coolant (Includes Gasket & Seals)	
	70007603	1	Thermostat	
	70005184	1	O-Ring	
	70005931	1	Gasket	
	70025142	1	Cover	
		Ref	Electrical System Components	
	70029512	1	Module, ECU/ECM	
	70007784	1	Alternator	
	70031143	1	Module, Alternator Control	
	70029015	1	Fan, Alternator	
	70029402	1	Nut, Alternator Fan	
	70029403	1	Nut, Alternator Power Stud	
	70029404	1	Washer, Alternator Power Stud Spring	
	70031144	1	Starter (Includes Solenoid)	
	70025099	1	Bolt, Starter Mounting	
	70026210	1	Sender, Tacho-Generator (Speed) (On Rear of Block) (Includes Seal)	
	70024916	1	Sender, Tacho-Generator (Speed) (On Cover) (Includes Seal)	
	70024918	1	Sender, Temperature (Includes Seal) (On Air Intake Manifold)	
		Ref	Sensor, Pressure (Includes Seal) (On Air Intake Manifold)	
	70024504	1	Sensor, Pressure (Includes Seal) (On Fuel Filter & Side of Block)	
	70005504	1	Sensor, Pressure (Includes Seal) (On Exhaust Manifold)	
	70027405	1	Sensor, Temperature (Includes Seal) (On Exhaust Manifold)	
	70000345	4	Plug, Glow	
		Ref	Exhaust System Components	
		Ref	Valve, EGR	
	70025130	8	Bolt, Exhaust Manifold	
	70025164	1	Gasket, Exhaust Manifold	
		Ref	Outlet, Muffler	
		Ref	Muffler	
		Ref	Bracket, Muffler Mounting	
	70004504	1	Compensator, Exhaust	
		Ref	Fuel System Components	
		Ref	Pump, High Pressure	
	70004281	1	Injector (Includes Sealing washer, Clamp & O-Ring)	
	70006144	1	Pump, Fuel Supply (Includes Clamps)	
	70024961	1	Filter, Fuel (Pre-Filter Assembly) (Includes Head, Spin on filter, Sensor Cable & Seal)	
	70025153	1	Filter, Fuel Spin On	
	70024513	1	Sensor Cable (Includes Seal)	
	70025160	1	Filter, Fuel (Assembly) (Includes Head & Spin on Filter)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70025161	1	Filter, Fuel Spin On	
	70004508	1	Vol. Control Valve (Includes O-Ring & Gasket)	
		Ref	Lubricating System Components	
	7020465	2	Cap, Oil Fill	
	70005941	2	Plug, Oil Drain	
	70005942	2	Seal, Oil Drain Plug	
	70005172	1	Pump, Oil (Includes Seal & Gasket)	
	7016331	1	Filter, Oil	
	70024494	1	Cooler, Oil	
	70024925	1	Gasket, Oil Cooler	
	70024904	1	Dipstick (Includes Seal)	
		Ref	Mechanical Components	
	70001870	1	Flywheel (includes Gear)	
	70024913	1	V-Belt	
		Ref	Gasket Set - Complete	

FIGURE 3-19. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITHOUT GENERATOR)

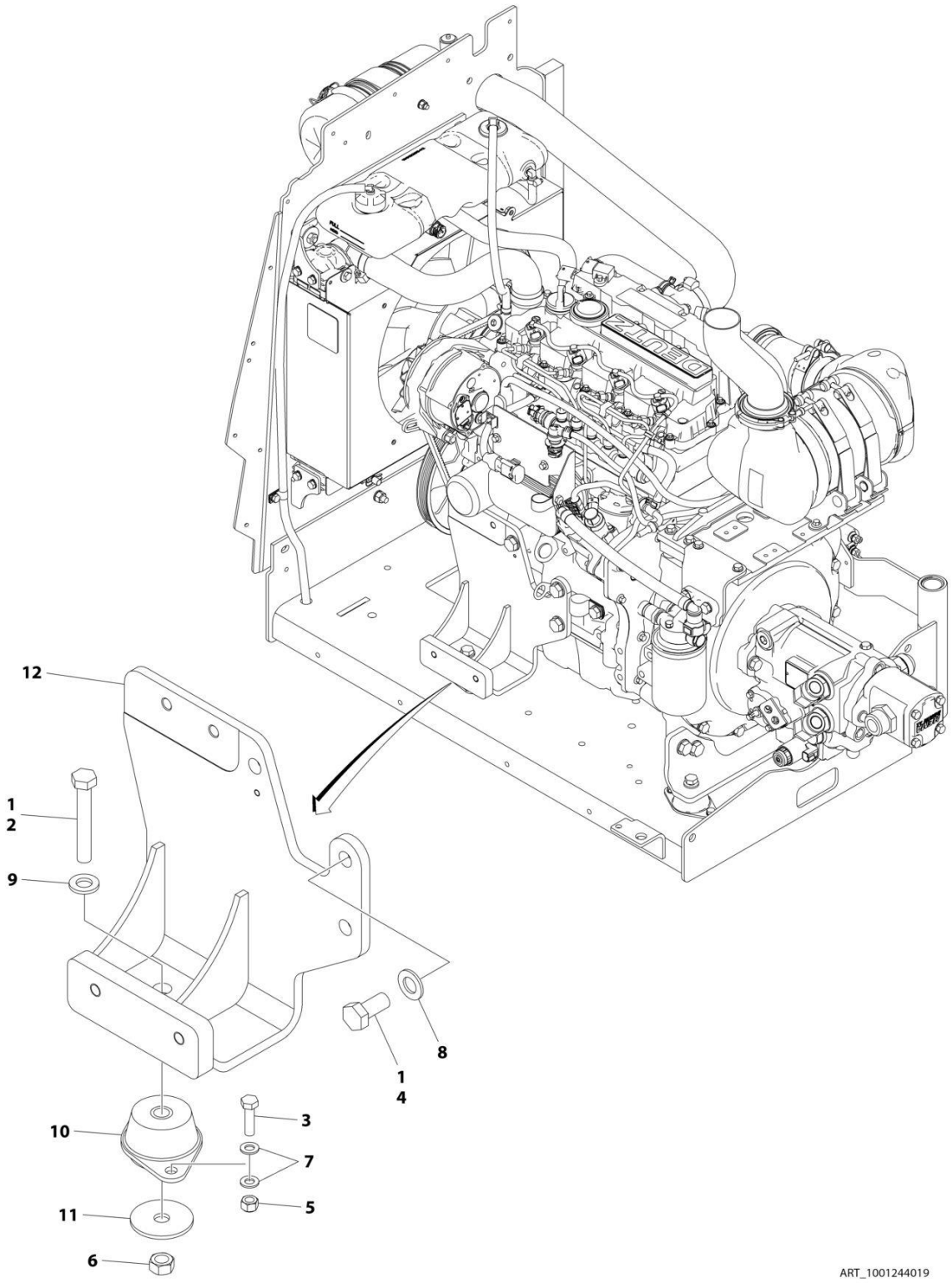


FIGURE 3-19. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITHOUT GENERATOR)

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

FIGURE 3-20. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITH GENERATOR)

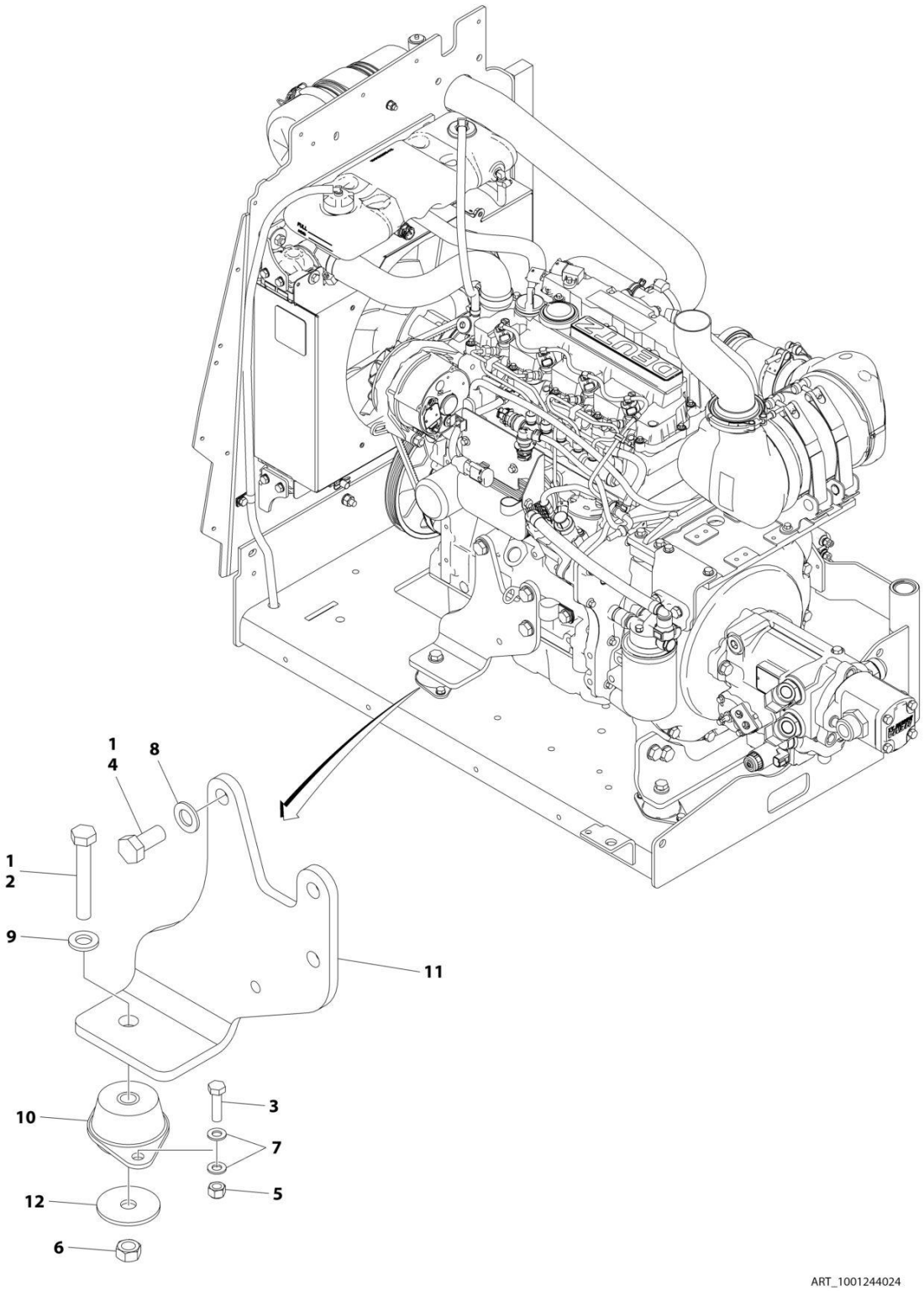


FIGURE 3-20. MOTOR MOUNT INSTALLATION - STAGE V ENGINE (WITH GENERATOR)

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

FIGURE 3-21. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)

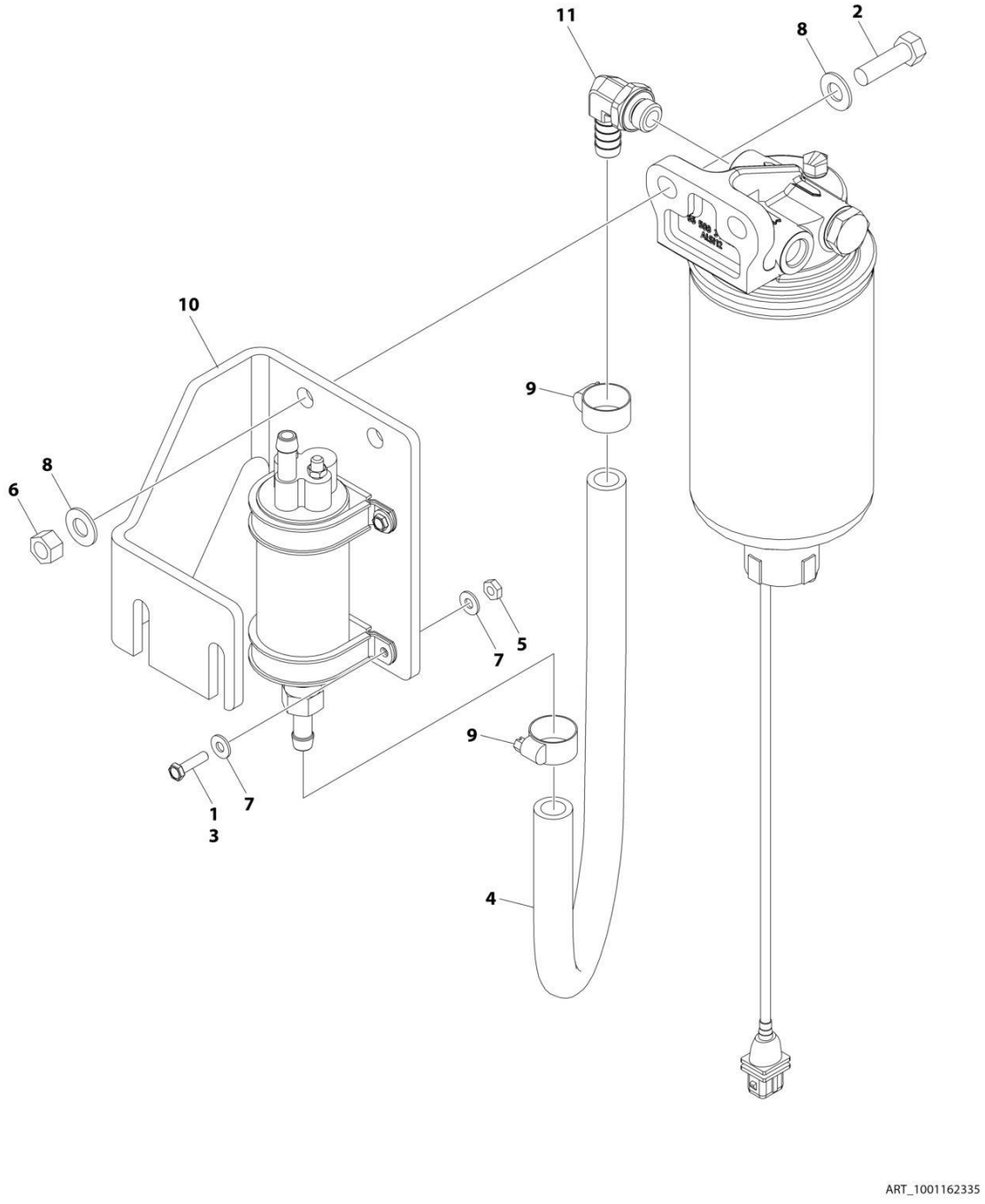


FIGURE 3-21. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)

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

FIGURE 3-22. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 (STAGE V) ENGINE)

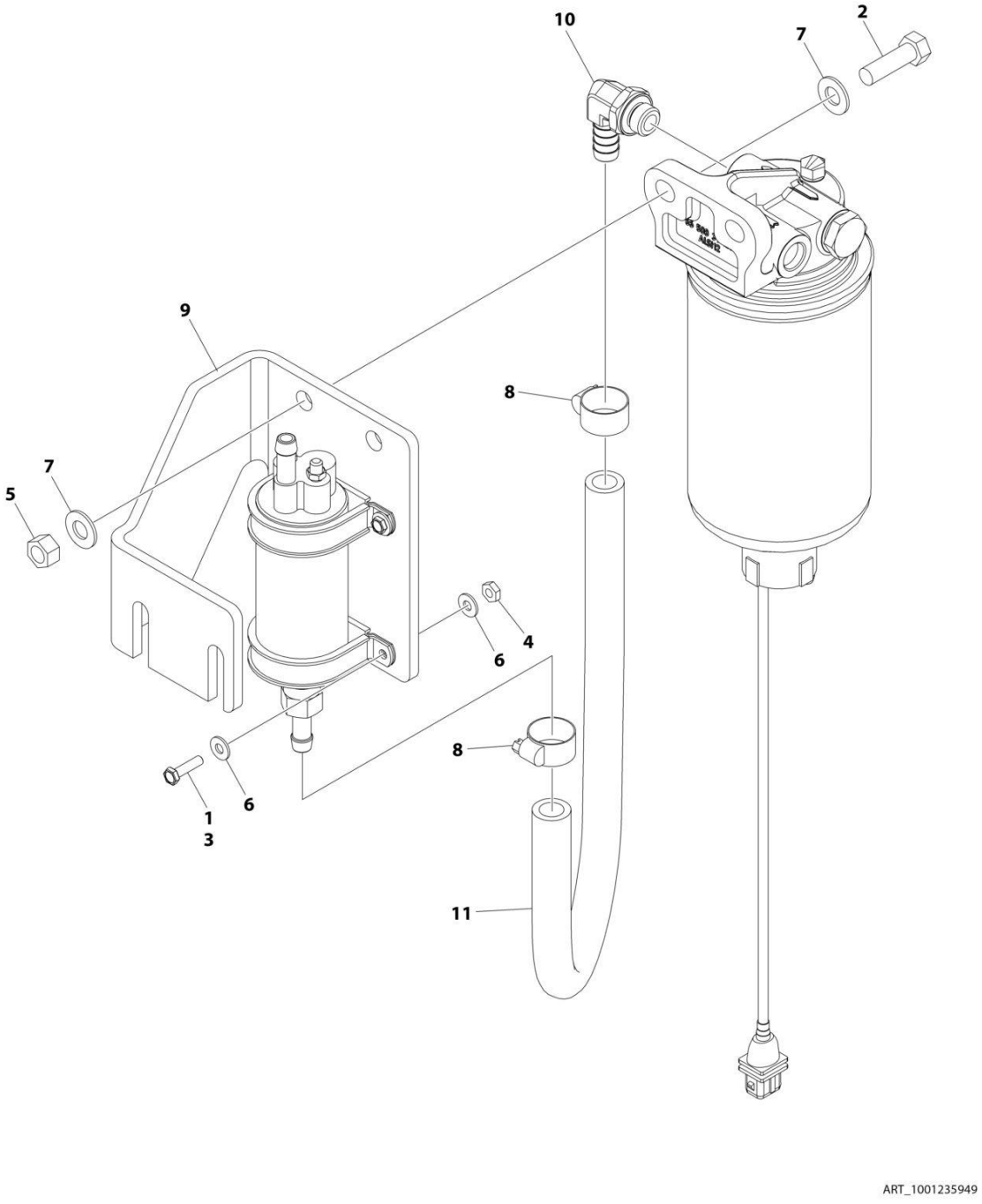


FIGURE 3-22. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 (STAGE V) ENGINE)

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

FIGURE 3-23. GEAR PUMP ASSEMBLY

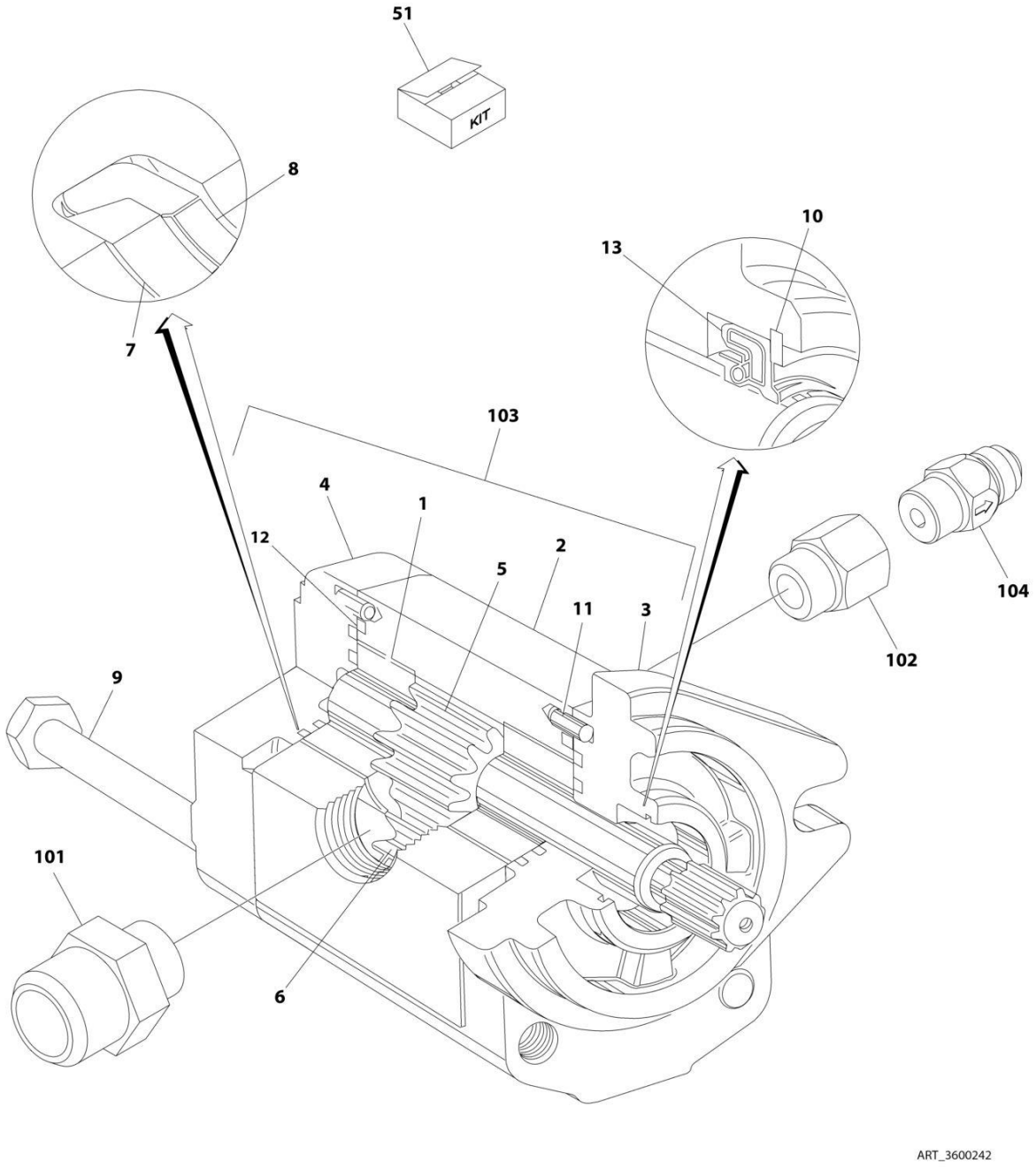


FIGURE 3-23. GEAR PUMP ASSEMBLY

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

FIGURE 3-24. PISTON PUMP ASSEMBLY (FRONT)

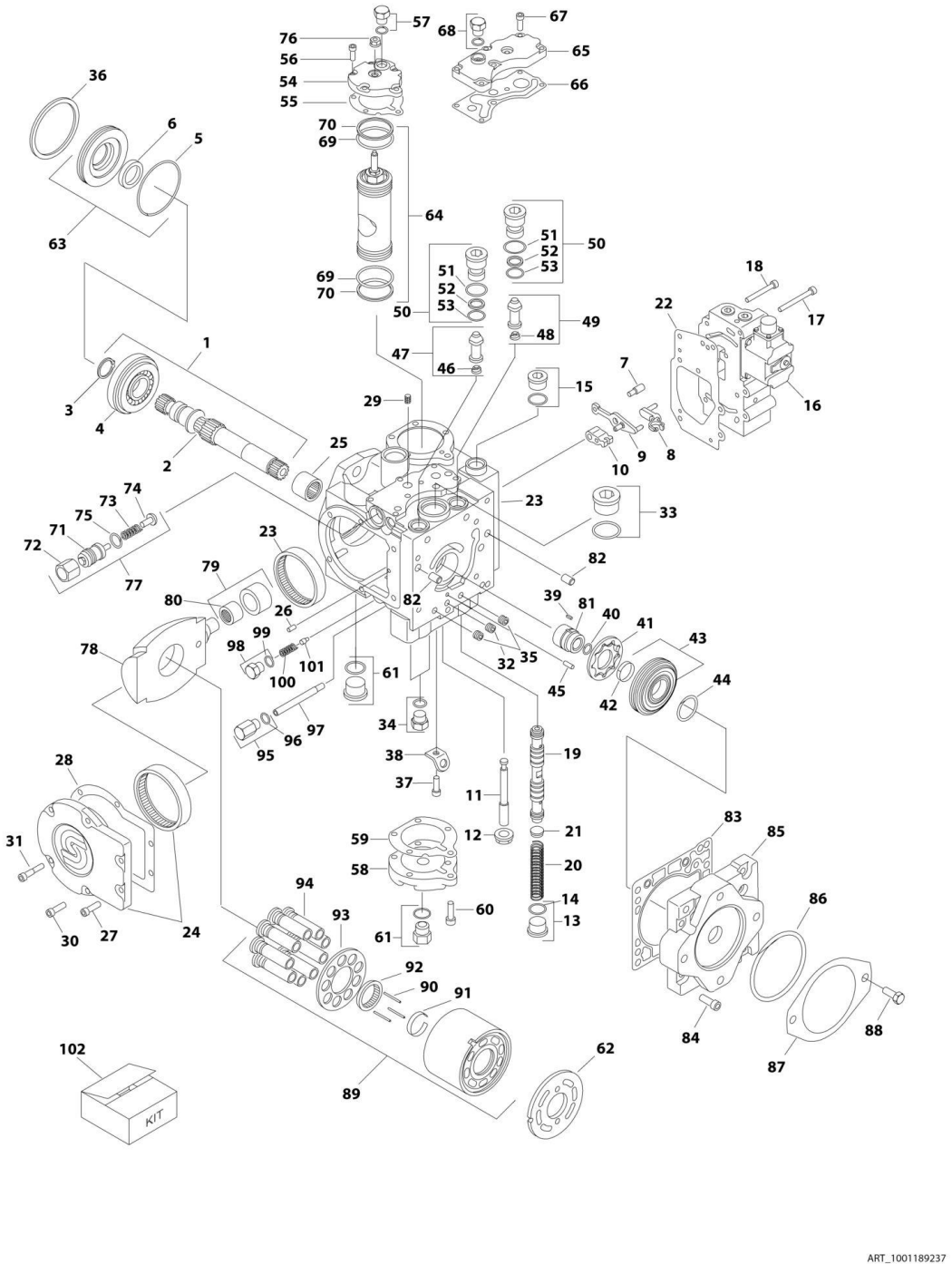


FIGURE 3-24. PISTON PUMP ASSEMBLY (FRONT)

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

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

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

FIGURE 3-25. PISTON PUMP ASSEMBLY (REAR)

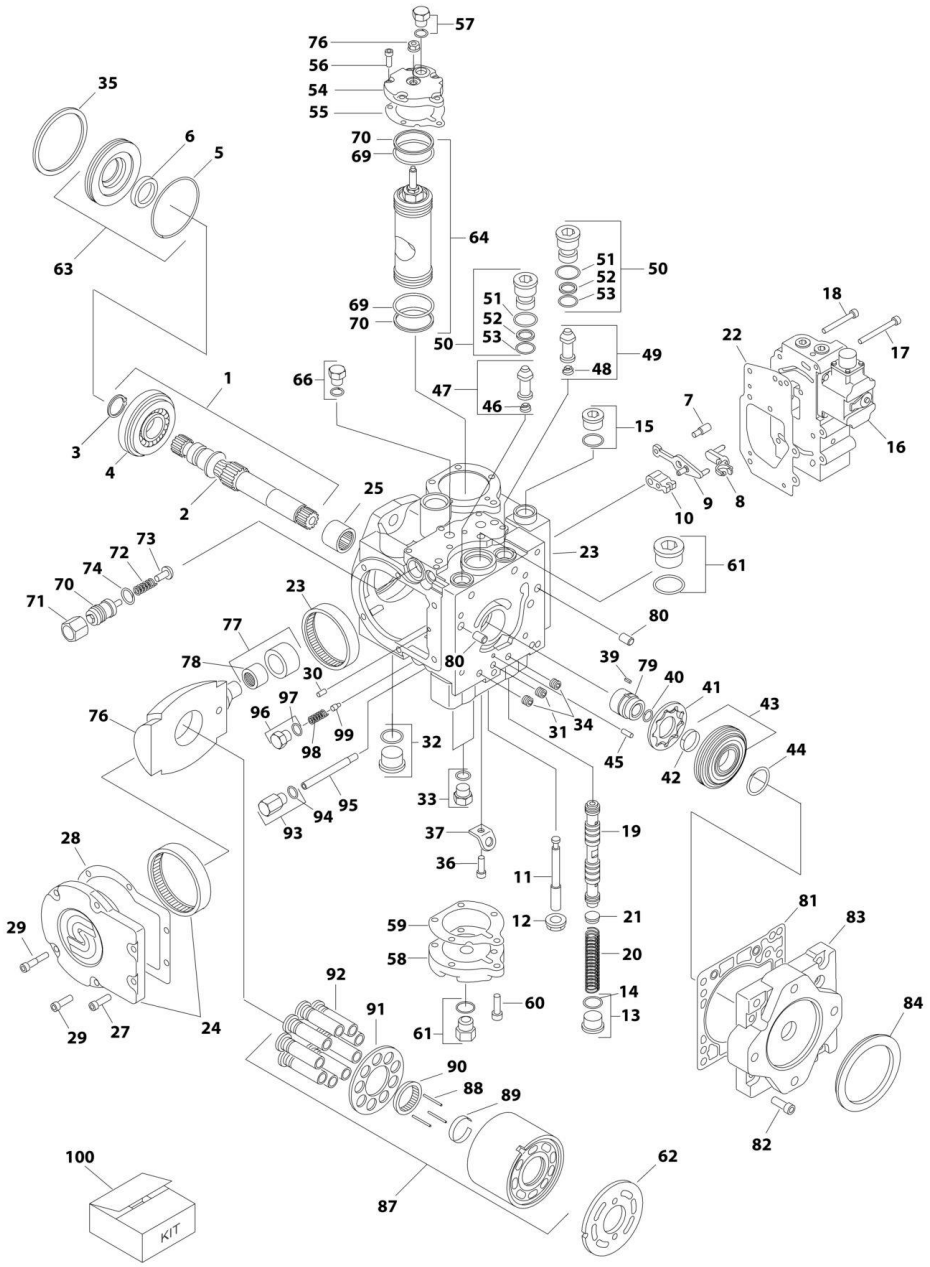


FIGURE 3-25. PISTON PUMP ASSEMBLY (REAR)

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

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

FIGURE 3-26. PUMP COUPLING KIT

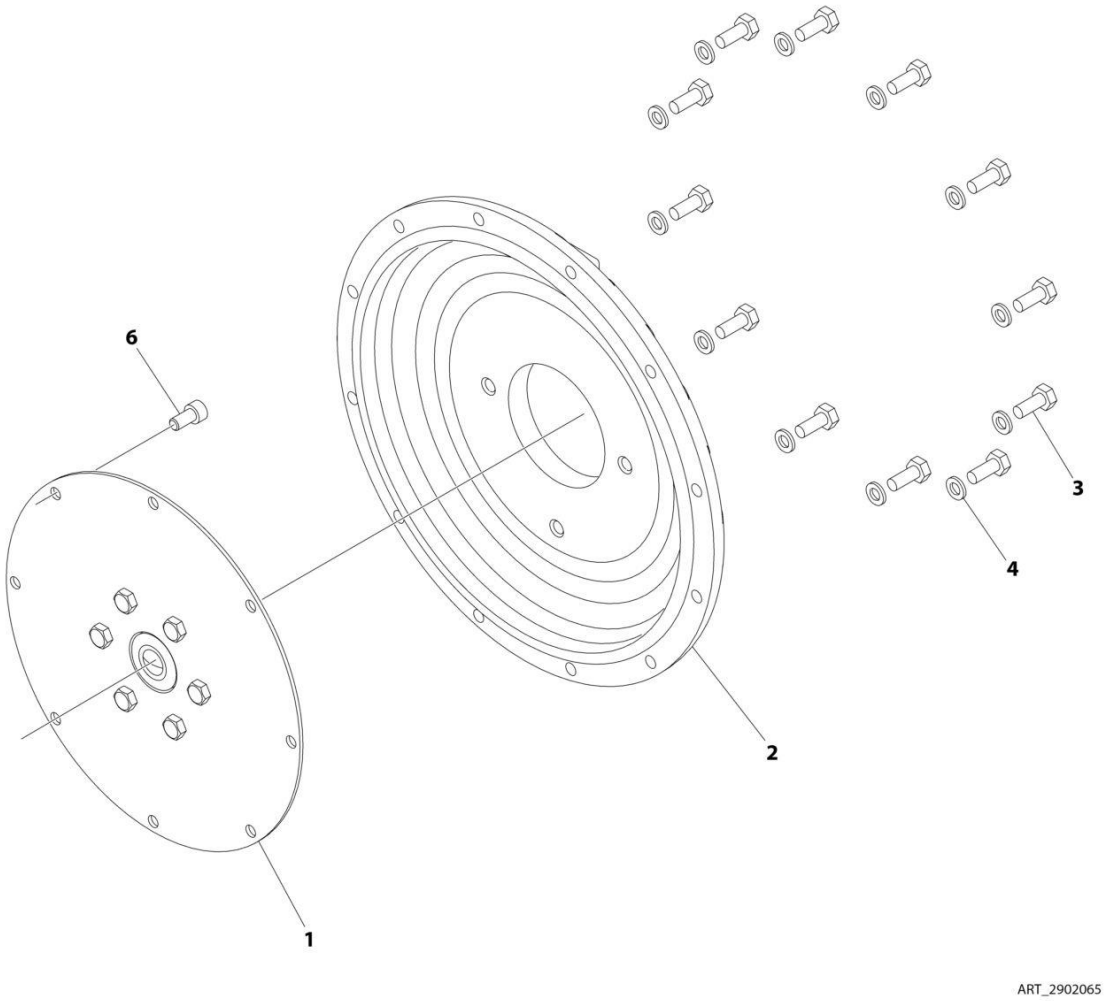


FIGURE 3-26. PUMP COUPLING KIT

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

FIGURE 3-27. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE

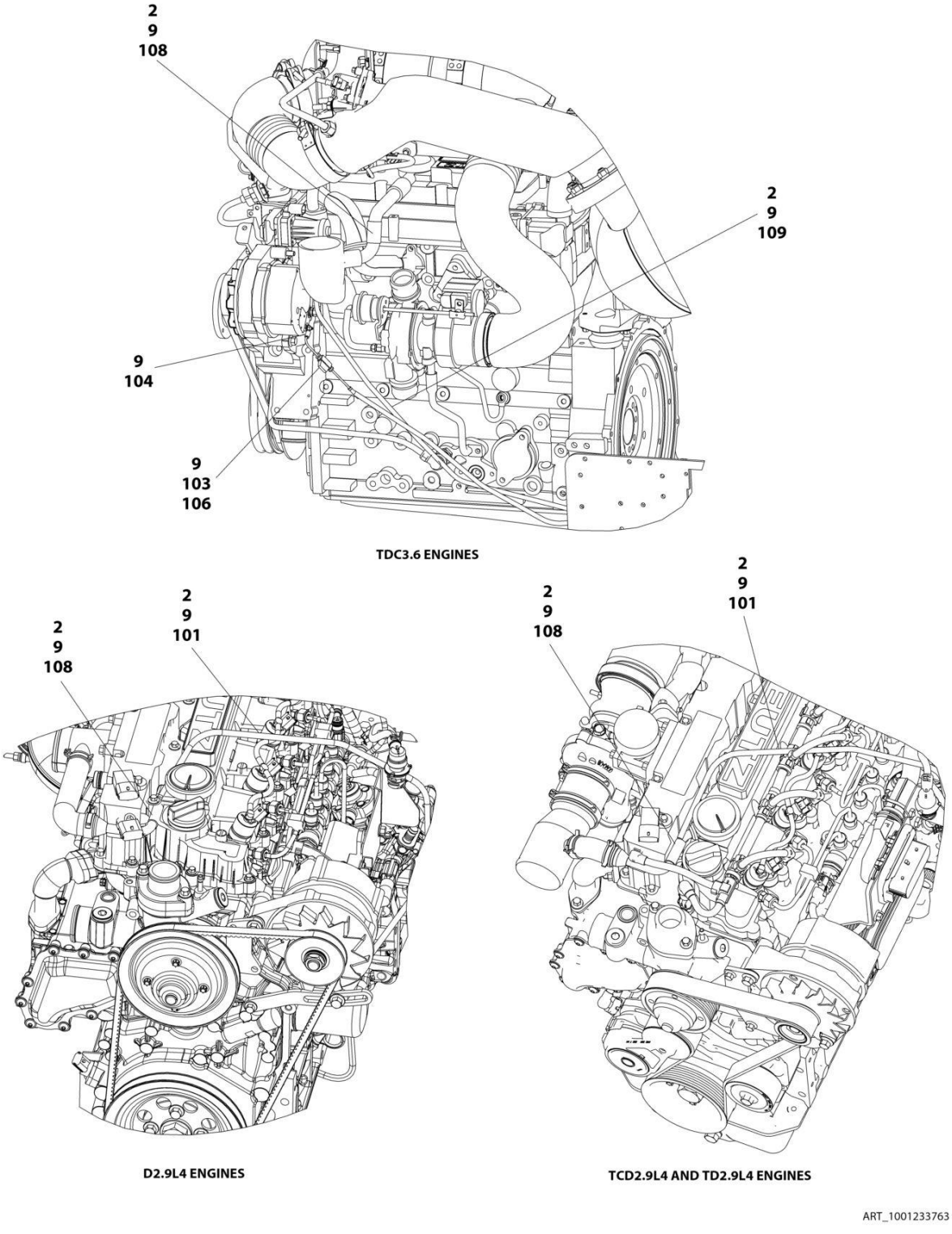


FIGURE 3-27. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE

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

FIGURE 3-28. ENGINE BAFFLE INSTALLATION

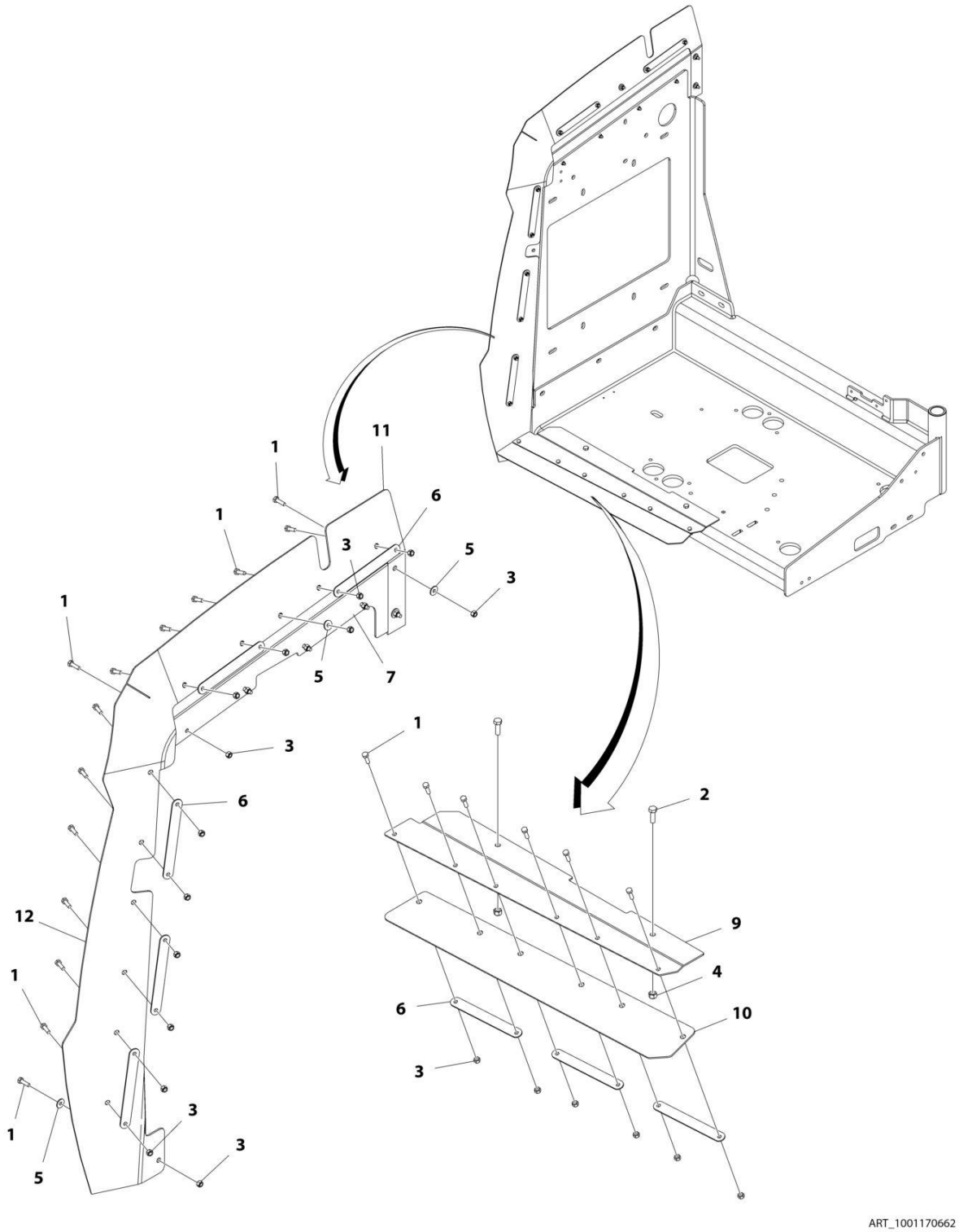


FIGURE 3-28. ENGINE BAFFLE INSTALLATION

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

FIGURE 3-29. ENGINE BAFFLE INSTALLATION - STEEL

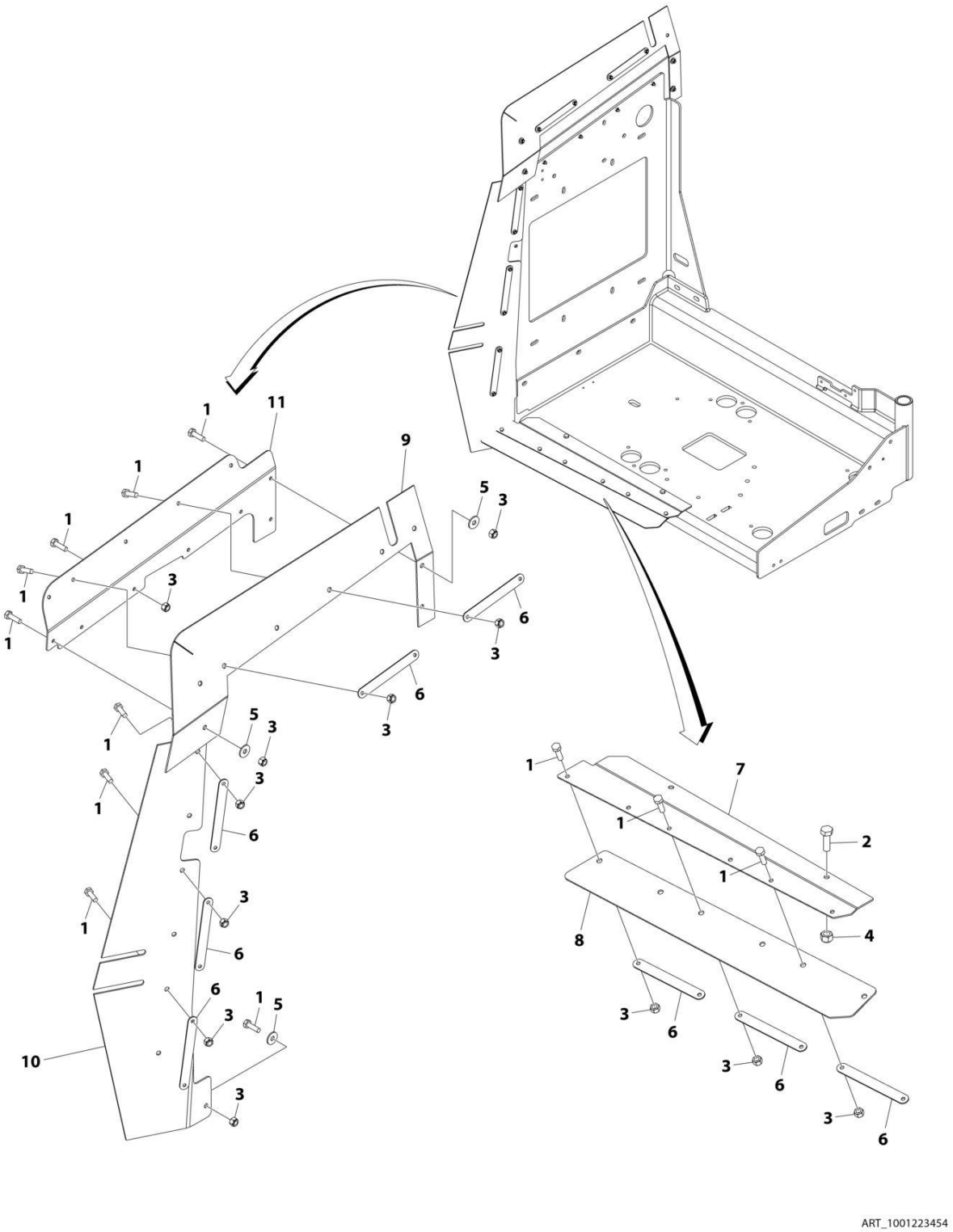


FIGURE 3-29. ENGINE BAFFLE INSTALLATION - STEEL

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

FIGURE 3-30. ENGINE TRAY JACK

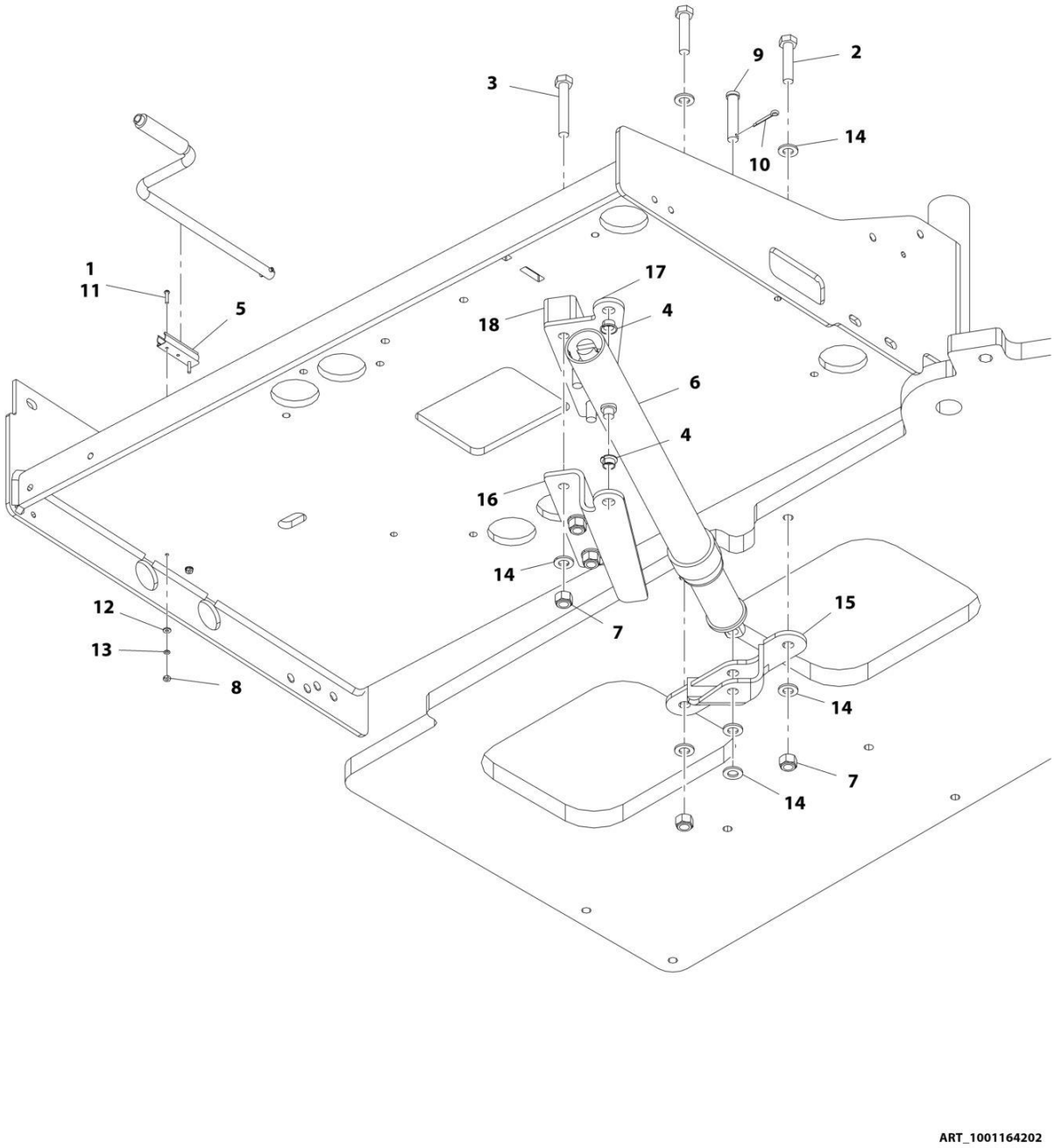


FIGURE 3-30. ENGINE TRAY JACK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164202	Ref	ENGINE TRAY JACK	E
1	0100011	AR	Compound, Locking	
2	0701219	2	Bolt M12 x 55	
3	0701223	AR	Bolt M12 x 75	
3	0701224	AR	Bolt M12 x 80	
4	0962051	2	Bearing	
5	1380147	1	Clip	
6	2840016	1	Screw Jack Assembly	
6	7024598	1	Handle	
6	7016322	1	Wiper	
7	3291205	5	Nut M12 x 1.75	
8	3310601	2	Nut #6	
9	3430820	1	Pin, Clevis	
10	3450404	1	Pin, Cotter	
11	3910610	2	Screw 6 x 5/8	
12	4750600	2	Washer #6	
13	4770600	2	Washer Star #6	
14	4812100	9	Washer M12	
15	1001166894	1	Support, Engine Tray Jack	
16	1001175073	1	Support, Engine Tray Jack	
17	1001175074	1	Support, Engine Tray Jack	
18	1001175075	1	Shim	

FIGURE 3-31. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)

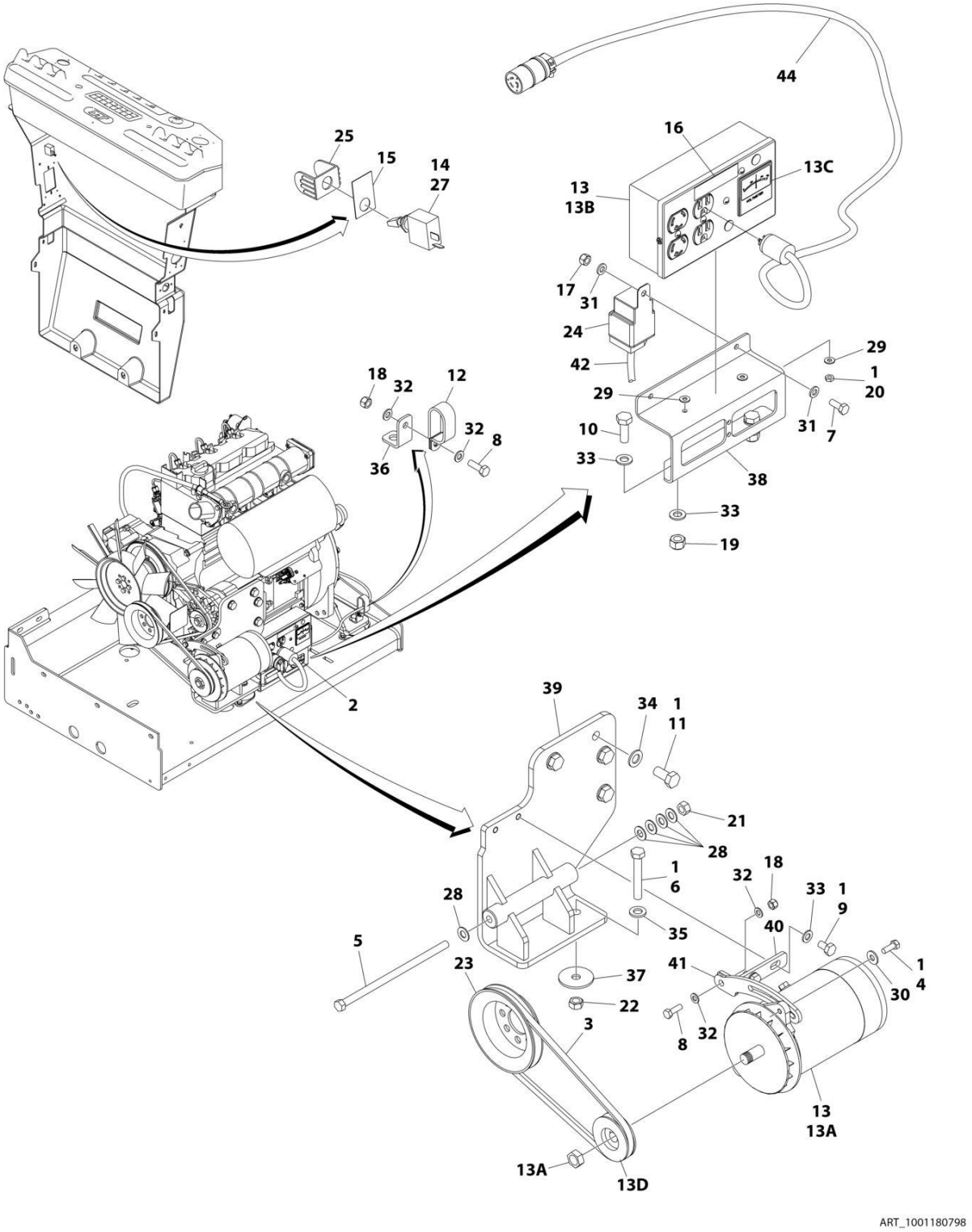


FIGURE 3-31. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180798	Ref	GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE)	B
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0480122	1	Belt	
4	0641507	1	Bolt 5/16 x 7/8	
5	0641772	1	Bolt 7/16 x 9	
6	0711224	1	Bolt M12 x 80 Grade 10.9	
7	0760608	1	Bolt M6 x 16	
8	0760812	2	Bolt M8 x 25	
9	0761009	2	Bolt M10 x 18	
10	0761014	2	Bolt M10 x 30	
11	0771414	4	Bolt M14 x 30 Grade 10.9	
12	1321716	1	Clamp	
13	2460055	1	Generator and Control Box Assembly	
13A	7012558	1	Generator	
	See Note	Ref	Note: Replacement Generators come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
13A	7026199	1	Armature with Slip Rings	
13A	7012513	3	Cap, Brush Holder	
13A	7020108	4	Brush	
13A	7020109	4	Holder, Brush	
13A	7012514	1	Fan	
13A	7020110	1	Bell, Front	
13A	7020111	1	Bell, Rear	
13A	7020190	1	Bearing	
13B	7019680	1	Box, Control	
13B	4460190	1	Receptacle, Standard	
13B	4460027	1	Receptacle, Twistlock	
13B	4360542	1	Breaker, Circuit	
13B	3520028	1	Plug, Hole	
13B	4460961	1	Connector - 4 Position	
13B	4460705	4	Pin, Male	
13B	4460321	1	Connector - 4 Position (Note: Mate to p/n 4460961 Purchase Separately)	
13B	4460268	3	Socket, Female (Note: Mate to p/n 4460705 Purchase Separately)	
13C	2420203	1	Voltmeter	
13D	3580276	1	Pulley	
13D	7027887	1	Key, Woodruff	
14	2820031	AR	Heat Shrink	
15	See Note	1	Nameplate (Note: Not Available for Purchase)	
16	3251243	1	Nameplate 120V-60Hz	
17	3290605	1	Nut M6	
18	3290805	2	Nut M8	
19	3291005	2	Nut M10	
20	3311001	2	Nut #10	
21	3311705	1	Nut 7/16	
22	3331211	1	Nut M12	
23	3580158	1	Pulley	

SECTION 3 - ENGINE

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

FIGURE 3-32. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

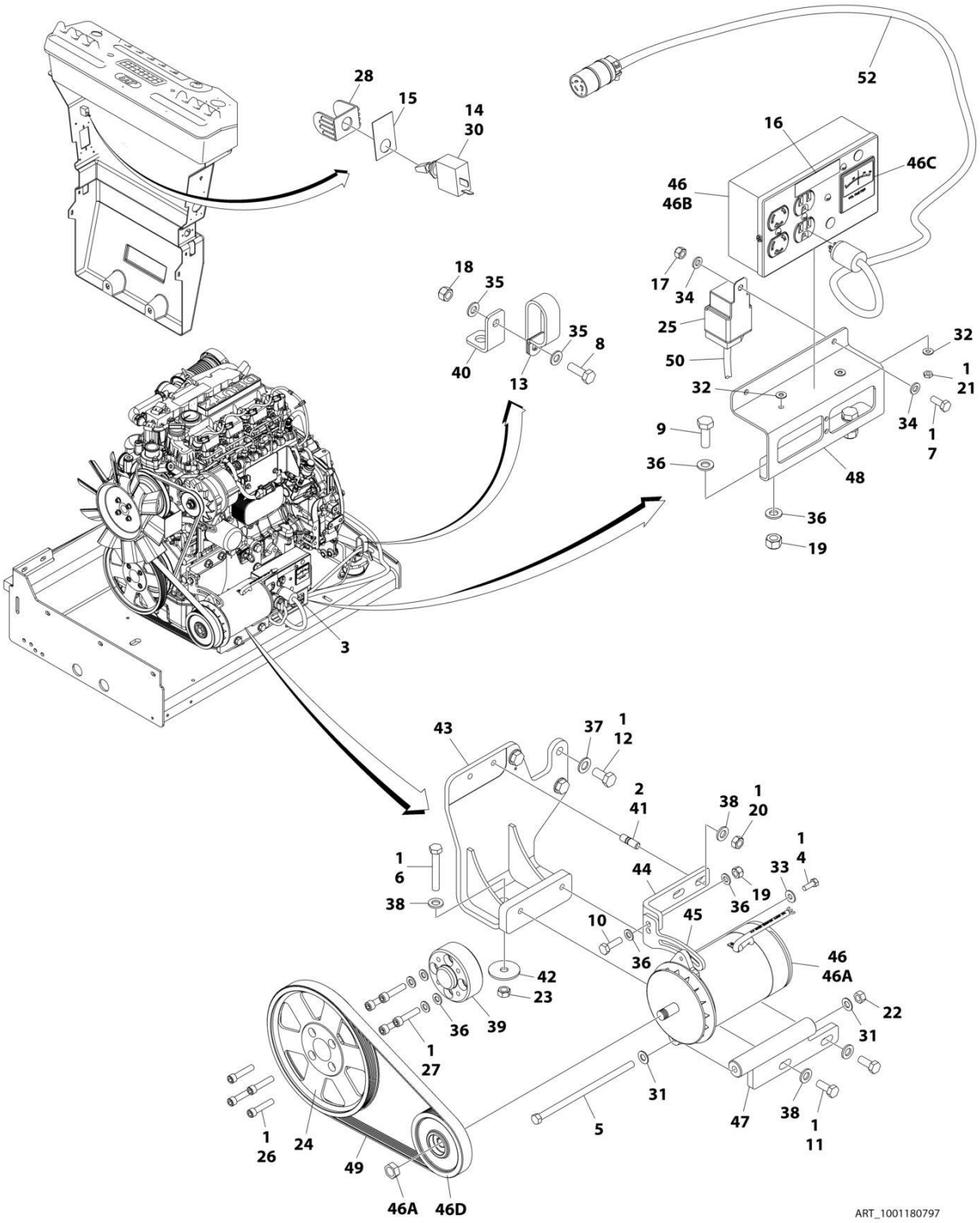


FIGURE 3-32. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

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

SECTION 3 - ENGINE

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

FIGURE 3-33. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)

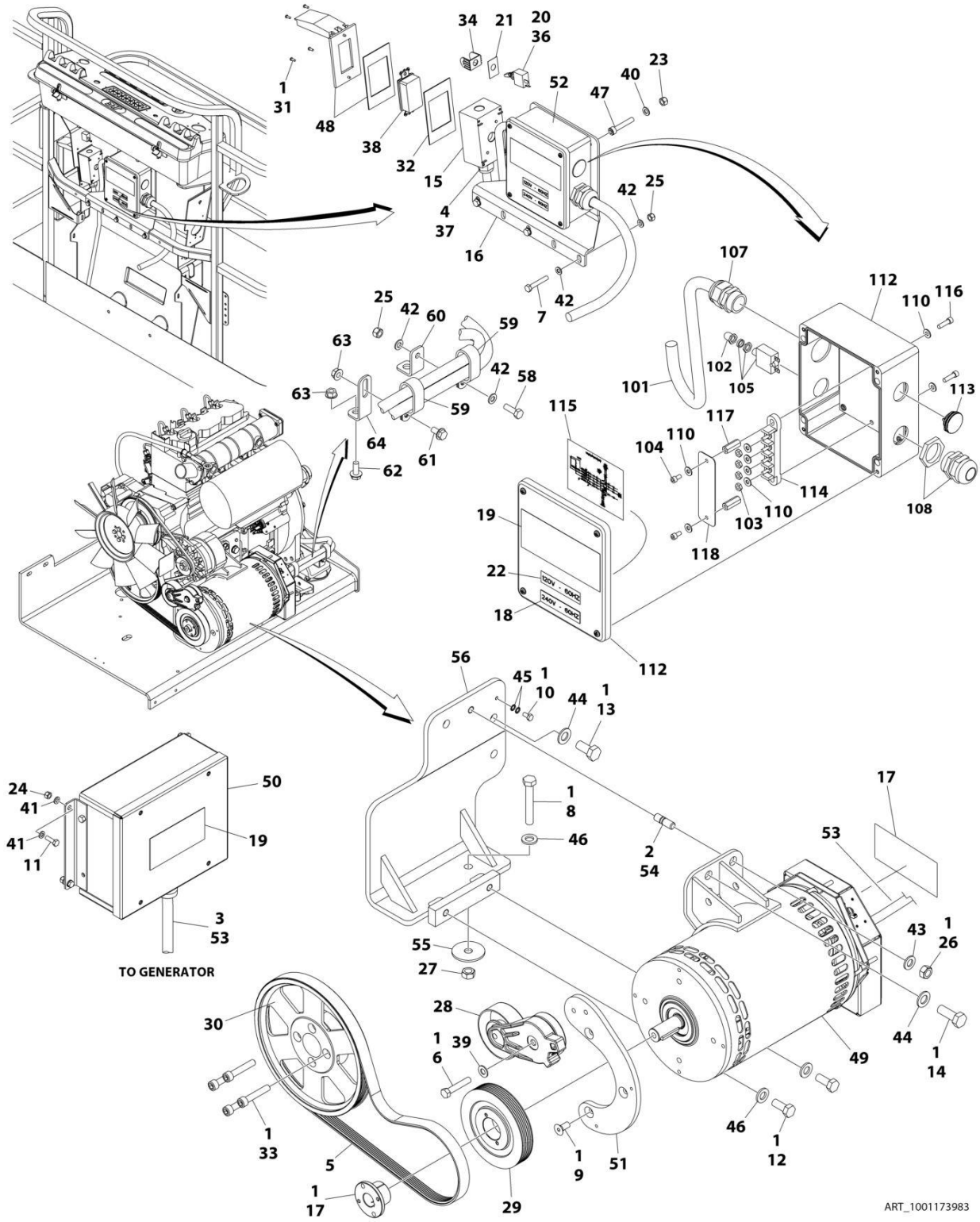


FIGURE 3-33. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPEC)

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001110873	1	Shield, Cover	
49	1001129858	1	Generator	
49	70003709	1	Ring, Retaining (External)	
49	70003708	1	Ring, Retaining (Internal)	
49	70001966	1	Bearing	
49	70004092	1	Endbell (Shaft End)	
49	70004171	1	Key	
49	70004676	1	Rotor	
49	70004684	1	Stator	
49	70004678	1	Endbell (Rear)	
49	70004679	1	Cover, Endbell (Rear)	
49	70004680	1	Enclosure, Wiring	
49	70004685	1	Cover, Enclosure	
49	70004682	1	Switch, Reset (Located on Enclosure Cover)	
49	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
50	1001138566	1	Box, Control	
50	70006552	1	Capacitor	
50	70006553	1	Relay	
51	1001139357	1	Mount, Tensioner	
52	1001152457	1	Generator Junction Box Assembly (See Items 101-118 for Breakdown)	
53	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
54	1001196382	1	Stud	
55	1001168018	1	Washer, Snubbing	
56	1001173925	1	Mount	
57	1001175631	1	Wiring Diagram (Not Shown)	
57	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
58	0760812	1	Bolt M8 x 25	
59	1321716	2	Clamp	
60	1001148641	1	Bracket	
61	5250808	1	Bolt M8 x 16	
62	5250810	1	Bolt M8 x 20	
63	5260800	2	Nut M8	
64	1001223122	1	Support	
	1001152457	Ref	GENERATOR JUNCTION BOX COMPONENTS	
101	1001179154	2.5 ft/ 0.8m	Cable, Electrical - 12/3	
102	3300396	1	Cover, Breaker	
103	3311001	4	Nut #10	
104	3900300	2	Screw	
105	4360070	1	Breaker, Circuit - 15Amp	
107	4460425	1	Connector, Strain Relief (LH Side)	
108	4460426	1	Connector, Strain Relief (RH Side)	
110	4711000	8	Washer #10	
112	1001152456	1	Box, Junction	
113	1001152525	1	Plug	
114	1001152530	1	Terminal, Block	
115	1001153260	1	Decal - Wiring Diagram	
116	3900267	2	Screw	
117	1001158008	2	Stand-Off	
118	1001158363	1	Cover, Terminal Block	

FIGURE 3-34. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT, CE & UK CA (LRC) SPECS)

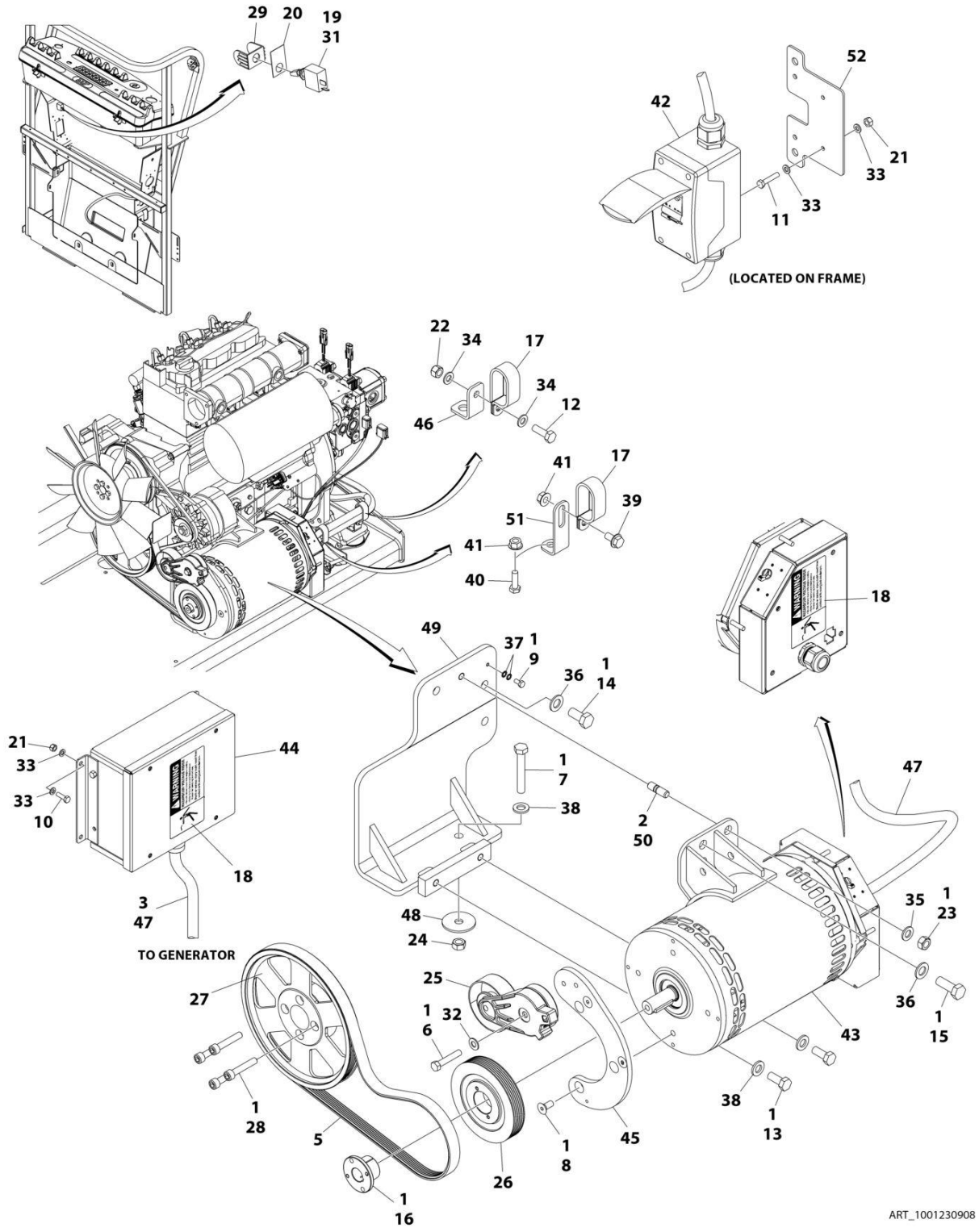


FIGURE 3-34. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT, CE & UK CA (LRC) SPECS)

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

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

FIGURE 3-35. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

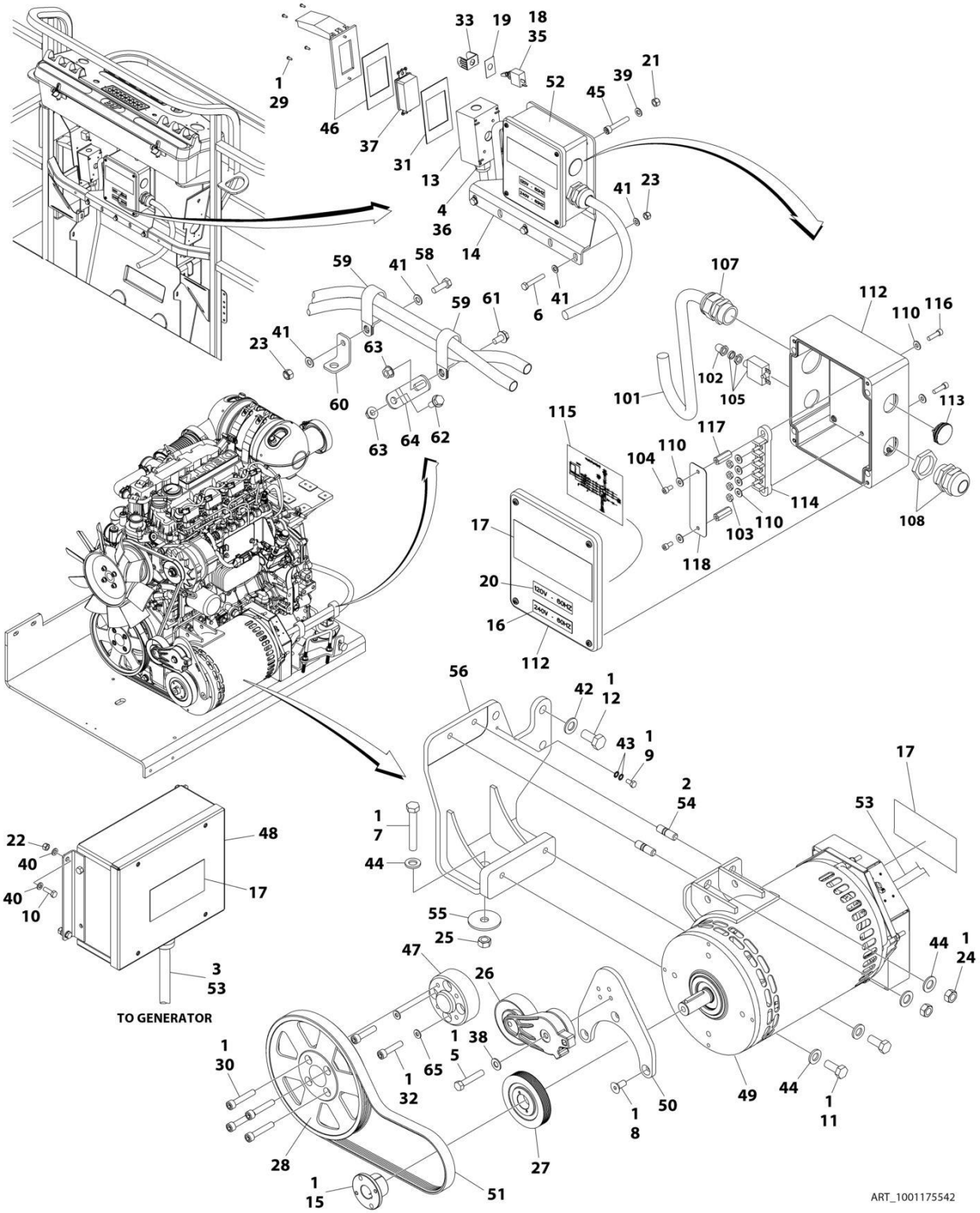


FIGURE 3-35. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

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

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001138566	1	Box, Control	
49	1001140346	1	Generator Assembly	
49	70003709	1	Ring, Retaining (External)	
49	70003708	1	Ring, Retaining (Internal)	
49	70001966	1	Bearing	
49	70004092	1	Endbell (Shaft End)	
49	70004099	1	Key	
49	70004676	1	Rotor	
49	70004687	1	Stator	
49	70004678	1	Endbell (Rear)	
49	70004679	1	Cover, Endbell (Rear)	
49	70004680	1	Enclosure, Wiring	
49	70004685	1	Cover, Enclosure	
49	70004682	1	Switch, Reset (Located on Enclosure Cover)	
49	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
50	1001142643	1	Support	
51	1001142646	1	Belt	
52	1001152457	1	Generator Junction Box Assembly (See Items 101-118 for Breakdown)	
53	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
54	1001196382	2	Stud	
55	1001168018	AR	Washer, Snubbing	
56	1001168207	Ref	Support	
57	1001175631	1	Wiring Diagram (Not Shown)	
57	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
58	0760812	1	Bolt M8 x 25	
59	1321716	2	Clamp	
60	1001148641	1	Bracket	
61	5250808	1	Bolt M8 x 16	
62	5250810	1	Bolt M8 x 20	
63	5260800	2	Nut M8	
64	1001223122	1	Support	
65	4812000	4	Washer M10	
	1001152457	Ref	GENERATOR JUNCTION BOX COMPONENTS	
101	1001179154	2.5 ft/ 0.8m	Cable, Electrical - 12/3	
102	3300396	1	Cover, Breaker	
103	3311001	4	Nut #10	
104	3900300	2	Screw	
105	4360070	1	Breaker, Circuit - 15Amp	
107	4460425	1	Connector, Strain Relief (LH Side)	
108	4460426	1	Connector, Strain Relief (RH Side)	
110	4711000	8	Washer #10	
112	1001152456	1	Box, Junction	
113	1001152525	1	Plug	
114	1001152530	1	Terminal, Block	
115	1001153260	1	Decal - Wiring Diagram	
116	3900267	2	Screw	
117	1001158008	2	Stand-Off	
118	1001158363	1	Cover, Terminal Block	

FIGURE 3-36. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ (STAGE V) ENGINE) (CE & UK CA SPEC)

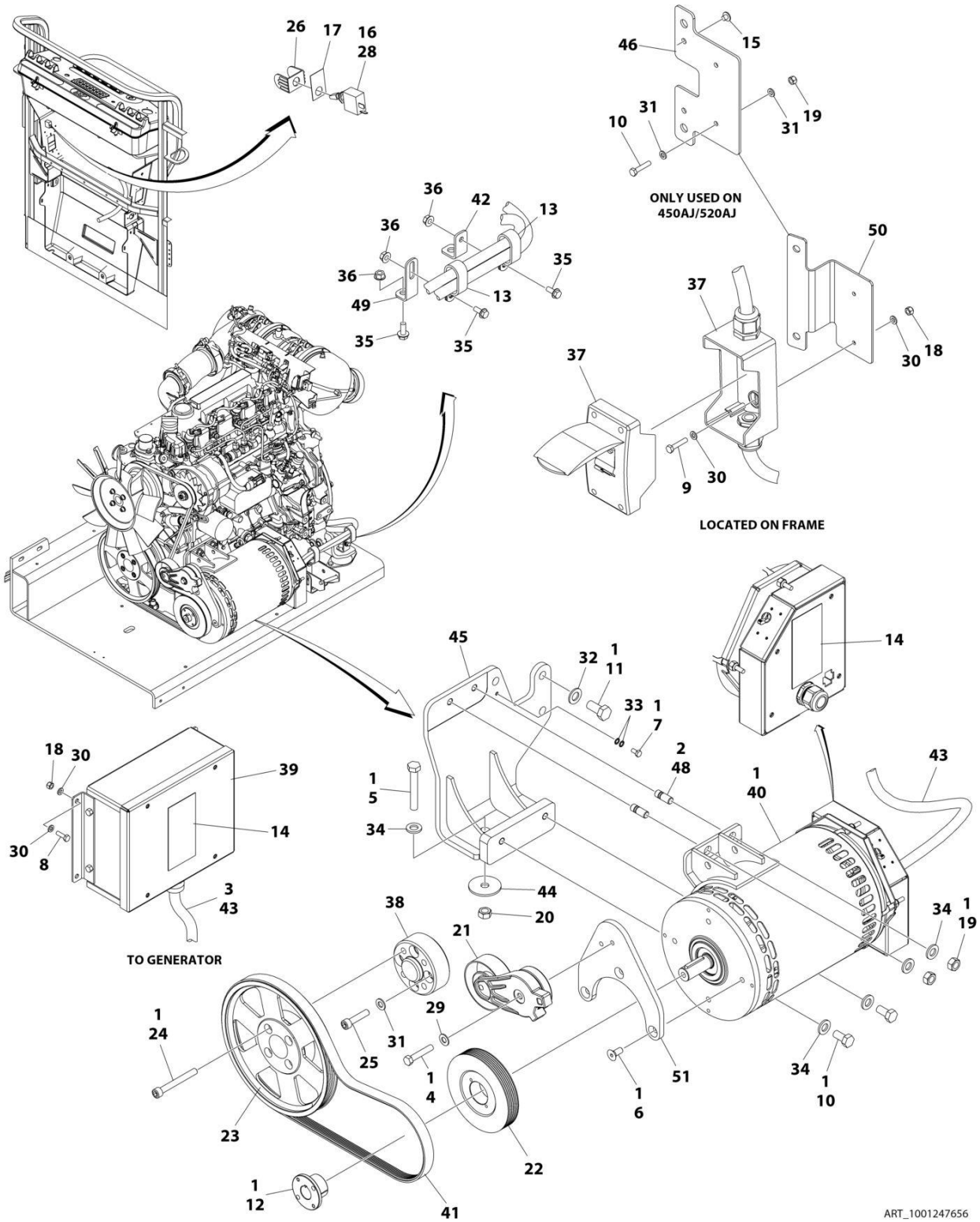


FIGURE 3-36. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ (STAGE V) ENGINE) (CE & UK CA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247656	Ref	GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ (STAGE V) ENGINE)	D
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641616	1	Bolt 3/8 x 2	
5	0711224	1	Bolt M12 x 80	
6	0741607	3	Screw 3/8 x 7/8	
7	0760606	1	Bolt M6 x 12	
8	0760610	4	Bolt M6 x 20	
9	0760614	2	Screw M6 x 30	
10	0761212	2	Bolt M12 x 25	
11	0771414	3	Bolt M14 x 30	
12	0962520	1	Bushing	
13	1321716	2	Clamp	
14	1705489	2	Decal - Hazardous Voltage	
15	2080040	2	Fastener, Huck	
16	2820031	0.33 ft /0.10m	Heat Shrink	
17	3251102	1	Nameplate, Generator	
18	3290605	6	Nut M6	
19	3291201	2	Nut M12	
20	3331211	1	Nut M12	
21	3580317	1	Pulley	
22	3580319	1	Pulley	
23	1001260432	1	Pulley	
24	1001261085	4	Capscrew M10 x 85	
25	1001261045	4	Capscrew M10 x 45	
26	4060802	1	Guard, Switch	
27	4240099	AR	Tie-Strap (Not Shown)	
28	4360336	1	Switch, Toggle	
29	4711600	1	Washer 3/8	
30	4811700	12	Washer M6	
31	4812000	4	Washer M14	
32	4812200	3	Washer M14	
33	4871700	2	Washer M6	
34	5241200	5	Washer M12 Hardened	
35	5250810	3	Bolt M8 x 20	
36	5260800	3	Nut M8	
37	1001096070	1	Breaker Box Kit (50Hz) (See Separate Breakdown in ELECTRICAL Section)	
38	1001135679	1	Adapter	
39	1001138566	1	Box, Control	
40	1001140347	1	Generator, 4000W/ 50HZ - Deutz Engine	
40	70003709	1	Ring, Retaining (External)	
40	70003708	1	Ring, Retaining (Internal)	
40	70001966	1	Bearing	
40	70004092	1	Endbell (Shaft End)	
40	70004099	1	Key	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	70004676	1	Rotor	
40	70004686	1	Stator	
40	70004678	1	Endbell (Rear)	
40	70004679	1	Cover, Endbell (Rear)	
40	70004680	1	Enclosure, Wiring	
40	70004681	1	Cover, Enclosure	
40	70004682	1	Switch, Reset (Located on Enclosure Cover)	
40	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
41	1001148059	1	Belt, Generator	
42	1001148641	1	Bracket	
43	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
44	1001168018	1	Washer, Snubbing	
45	1001168207	1	Support (Prior to PVC 2107)	
46	1001174158	1	Mount	
47	1001174675	1	Wiring Diagram (Not Shown)	
48	1001196382	2	Stud	
49	1001223122	1	Support	
50	1001230784	1	Bracket	
51	1001248190	1	Support	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	4922641	1	Generator Switch Harness (Not Shown)	

FIGURE 3-37. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)

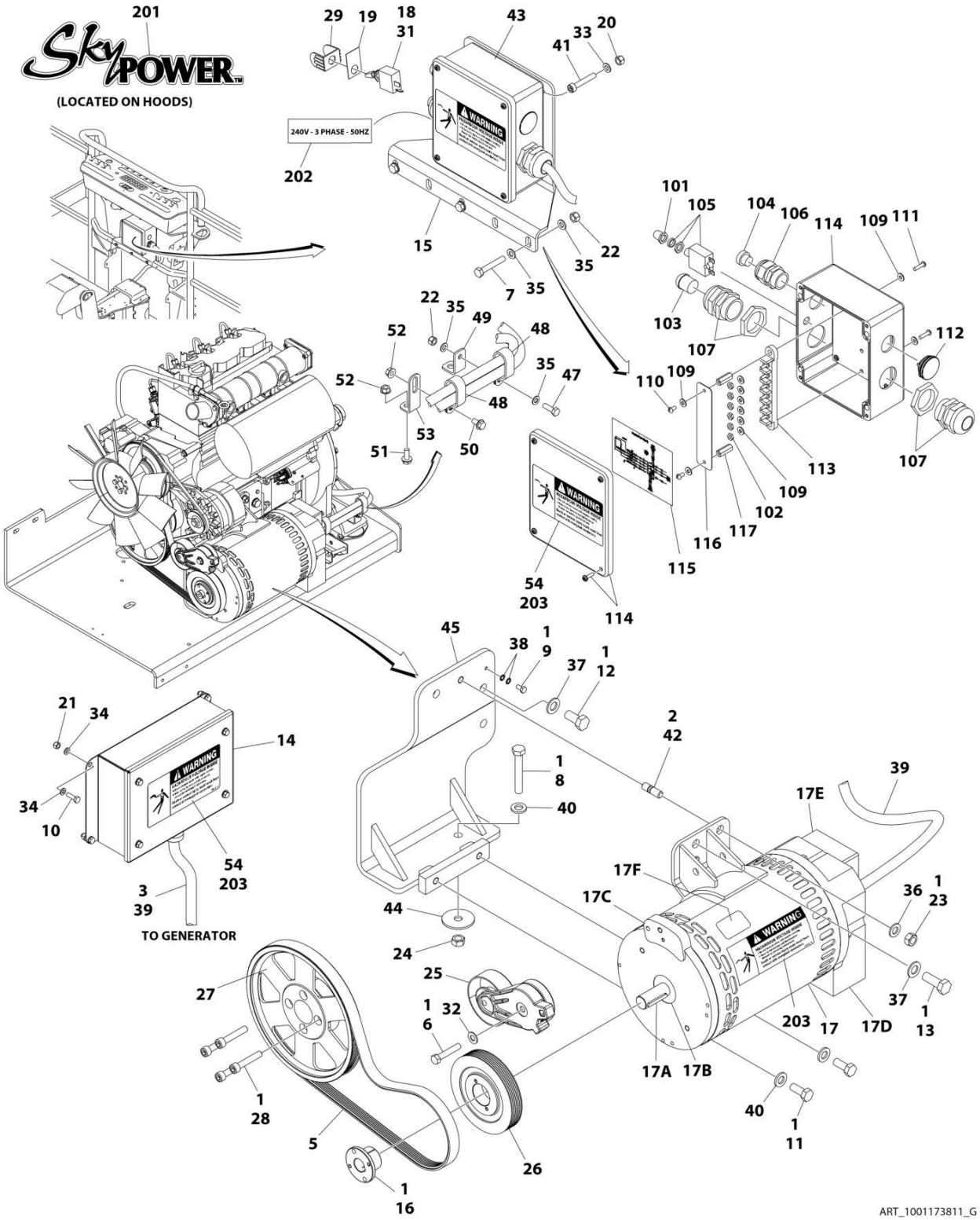


FIGURE 3-37. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)

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

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	
202	1705461	1	Decal - 240V - 3 Phase - 50Hz	
203	1705489	3	Decal - Hazardous Voltage	

FIGURE 3-38. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)

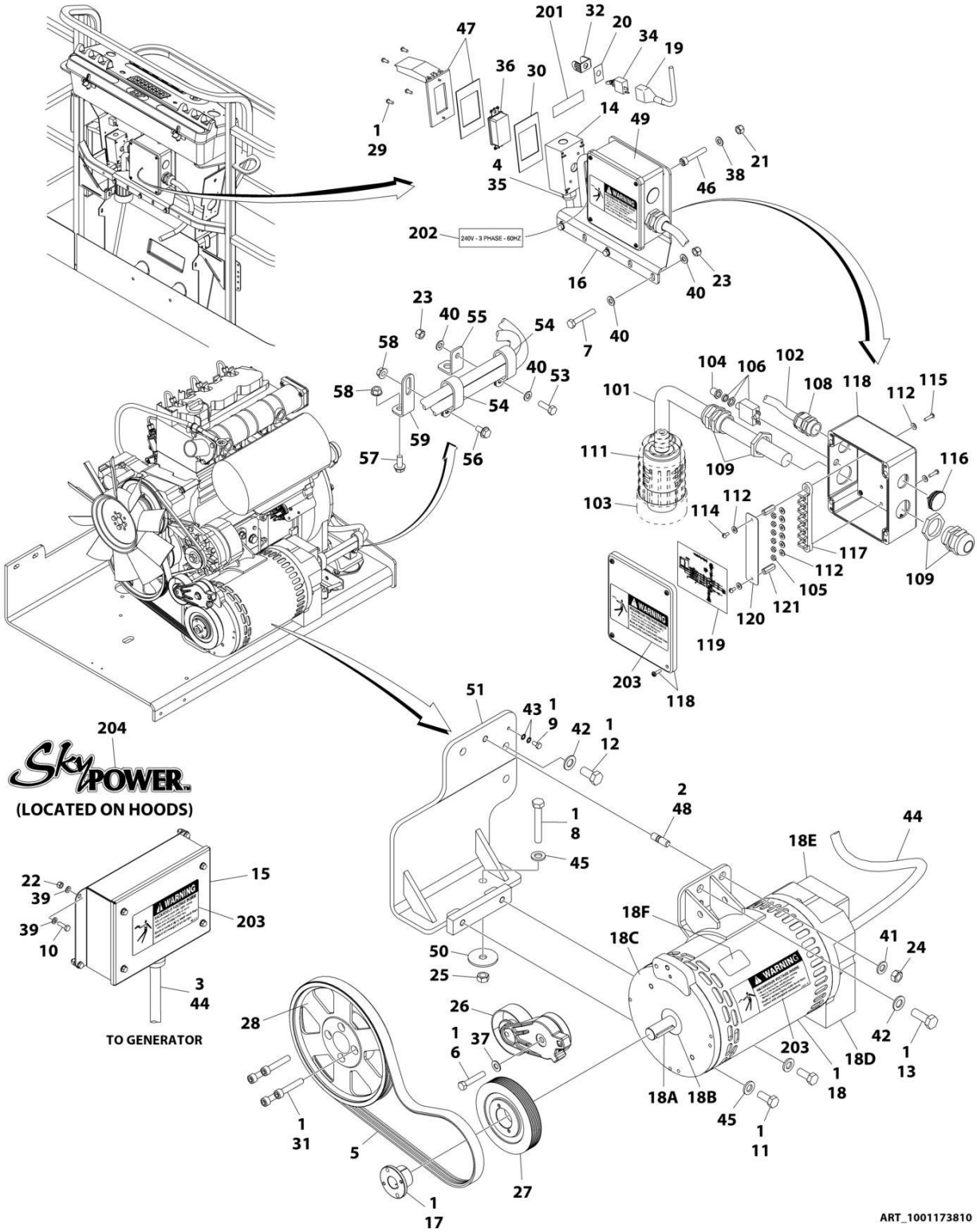


FIGURE 3-38. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE) (ANSI EXPORT SPECS)

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

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	10	Flatwasher #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D
	0273380	Ref	DECAL INSTALLATION	B
201	3251243	1	Decal - 120V - 60Hz	
202	1705375	1	Decal - 240V - 3 Phase - 60Hz	
203	1705387	3	Decal - Hazardous Voltage	
204	1705460	2	Decal - SkyPower	

FIGURE 3-39. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

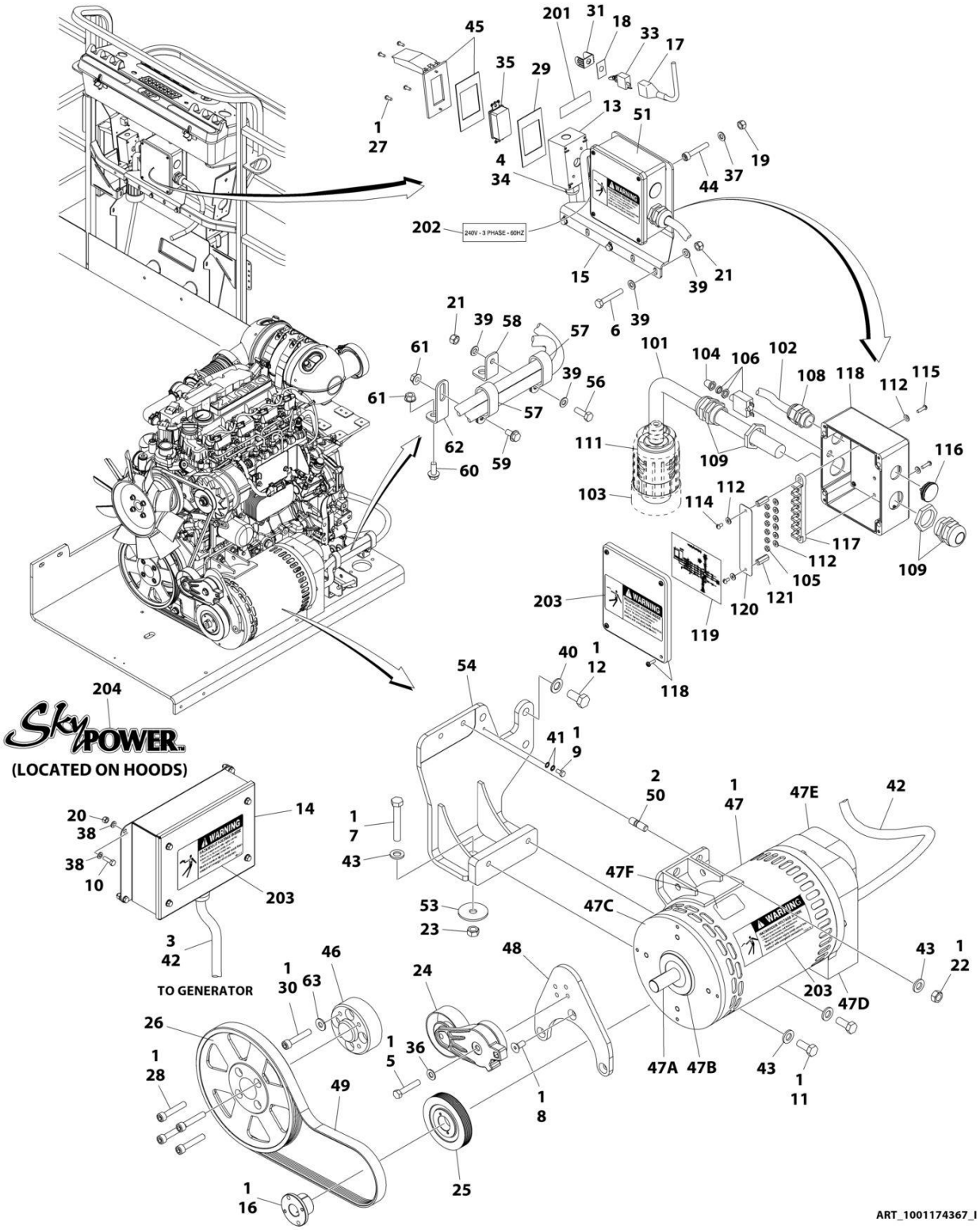


FIGURE 3-39. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

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

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1060343	1.5 ft/ 0.5m	Cable, Electrical 10/4	
102	1001179154	2.5 ft/ 0.8m	Cable, Electrical 12/3	
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	10	Flatwasher #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D
	0273380	Ref	DECAL INSTALLATION	B
201	3251243	1	Decal - 120V - 60Hz	
202	1705375	1	Decal - 240V - 3 Phase - 60Hz	
203	1705387	3	Decal - Hazardous Voltage	
204	1705460	2	Decal - SkyPower	

FIGURE 3-40. OIL COOLER INSTALLATION - DEUTZ D2011 ENGINES (ANSI EXPORT, CE & UK CA (LRC) SPECS)

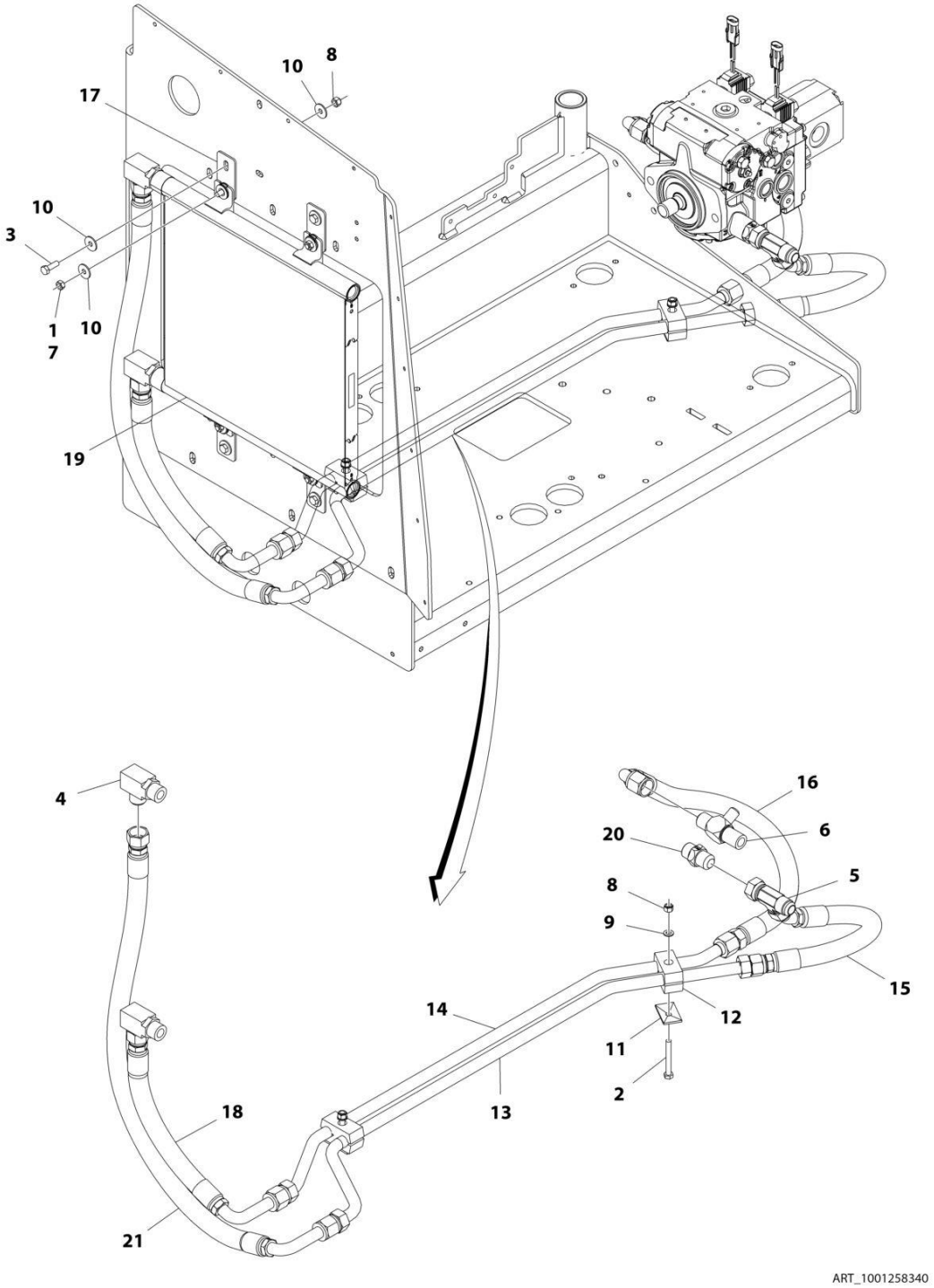


FIGURE 3-40. OIL COOLER INSTALLATION - DEUTZ D2011 ENGINES (ANSI EXPORT, CE & UK CA (LRC) SPECS)

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

FIGURE 3-41. OIL COOLER INSTALLATION - DEUTZ D2.9L4 ENGINES/DEUTZ D2.9L4 (STAGE V) ENGINES (ANSI, ANSI EXPORT, CE, CSA, JAPAN & UK CA SPECS)

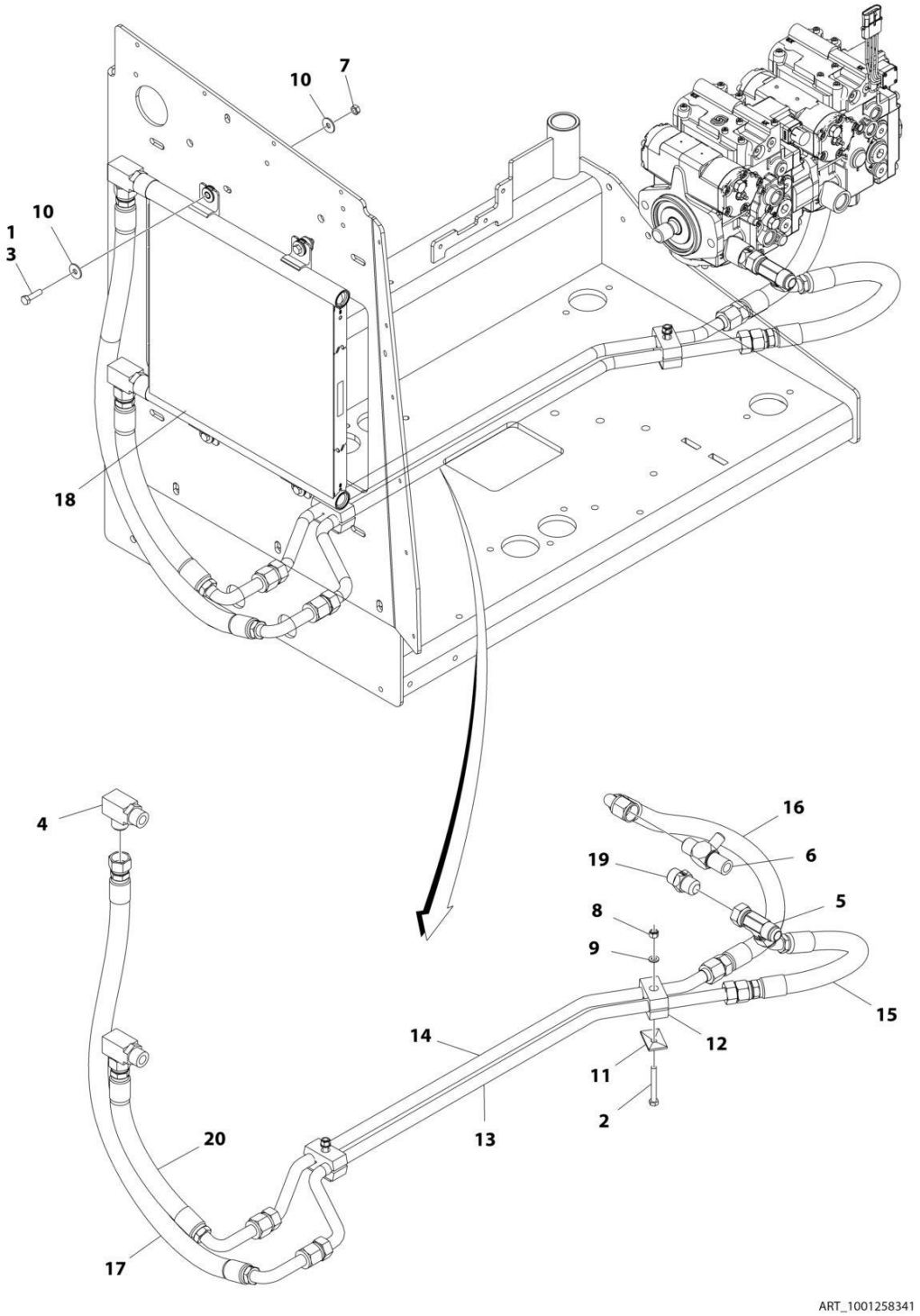
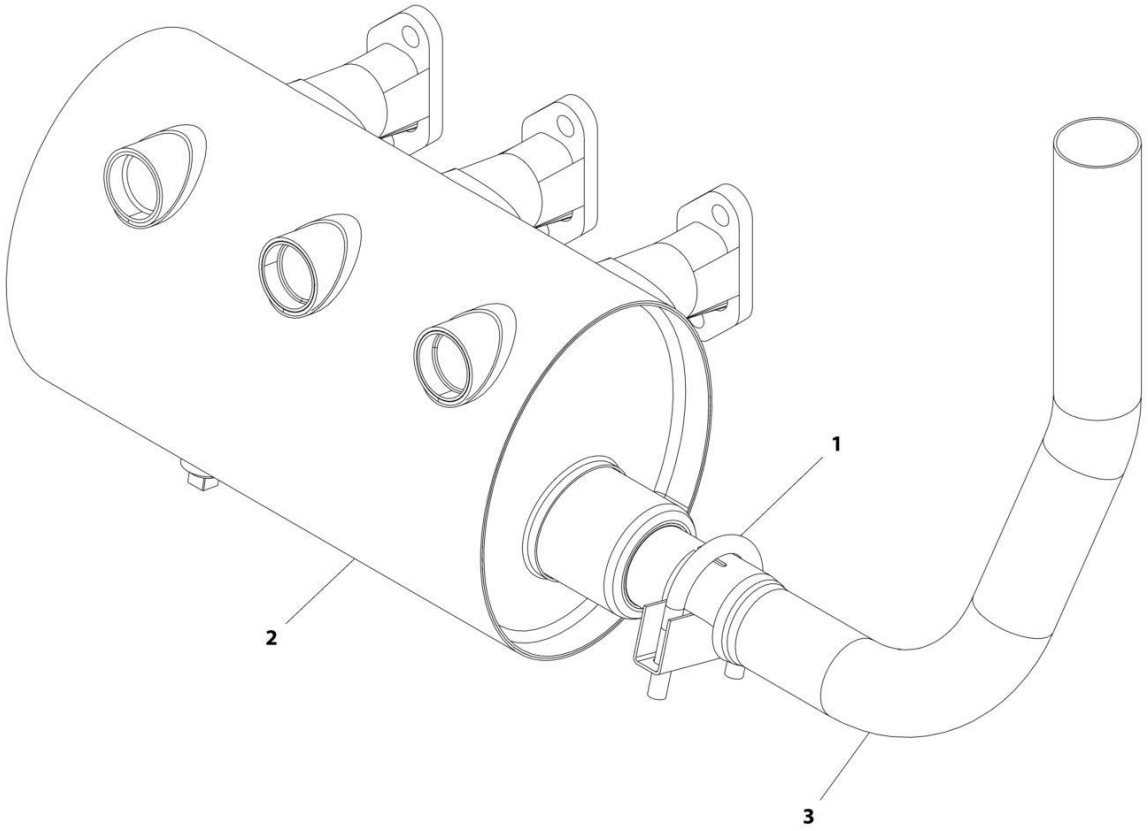


FIGURE 3-41. OIL COOLER INSTALLATION - DEUTZ D2.9L4 ENGINES/DEUTZ D2.9L4 (STAGE V) ENGINES (ANSI, ANSI EXPORT, CE, CSA, JAPAN & UK CA SPECS)

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

FIGURE 3-42. SPARK ARRESTOR INSTALLATION - ANSI EXPORT SPECS



ART_1001175071

FIGURE 3-42. SPARK ARRESTOR INSTALLATION - ANSI EXPORT SPECS

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

SECTION 4 - BOOM

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

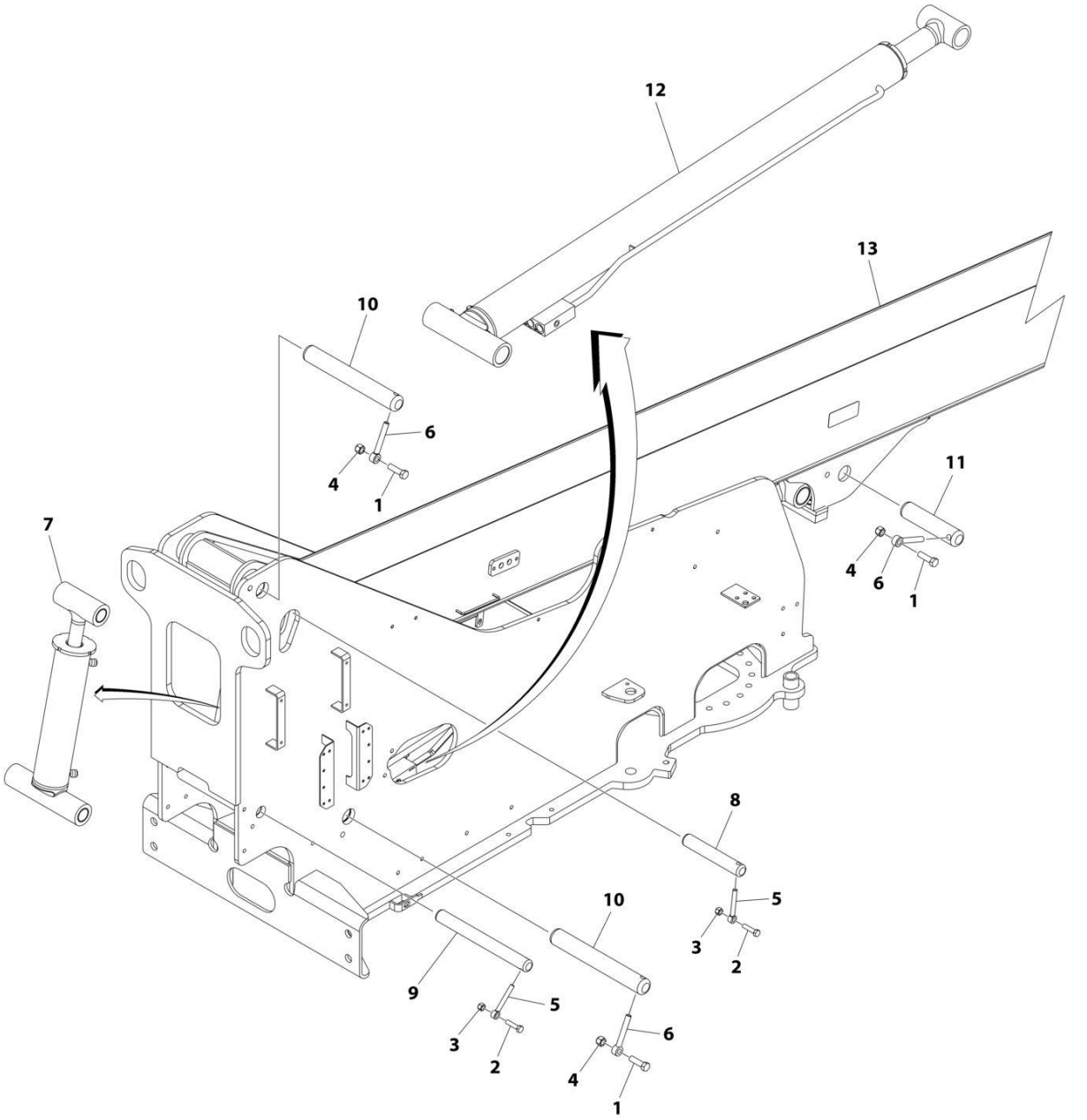


FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION - 400SC

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

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

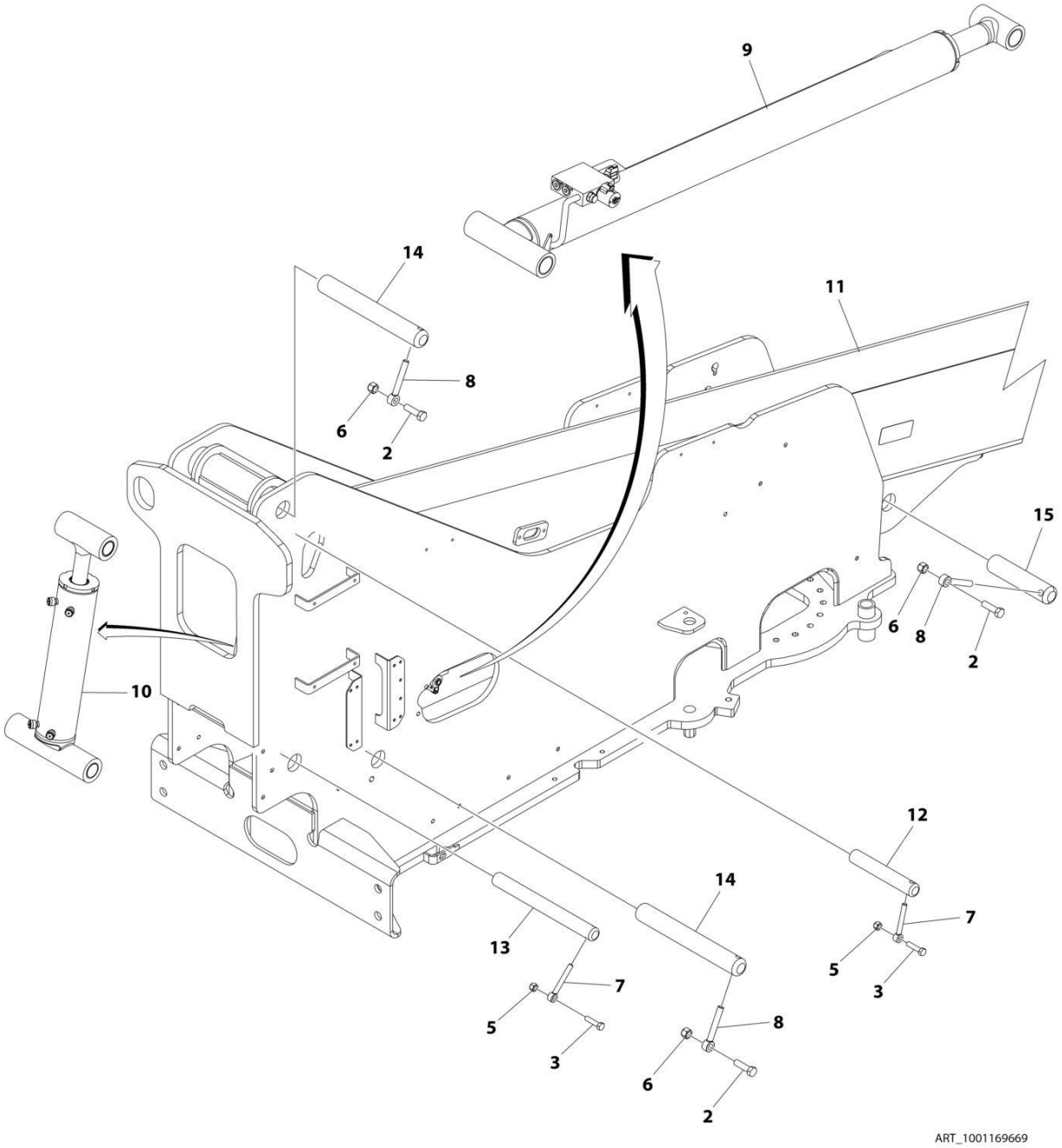


FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION - 460SJC

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

FIGURE 4-3. MAIN BOOM ASSEMBLY - 400SC

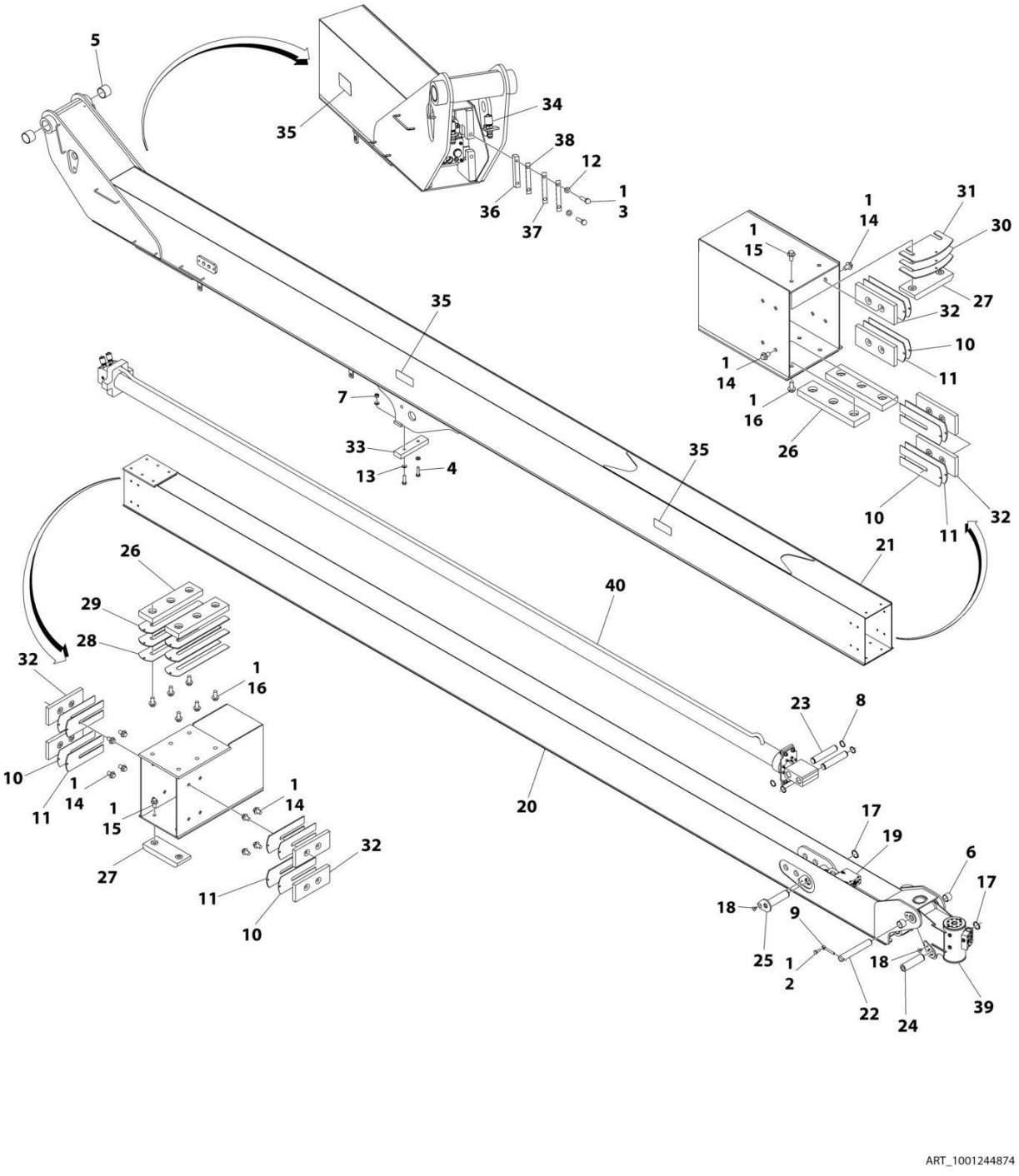


FIGURE 4-3. MAIN BOOM ASSEMBLY - 400SC

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

FIGURE 4-4. MAIN BOOM ASSEMBLY - 460SJC

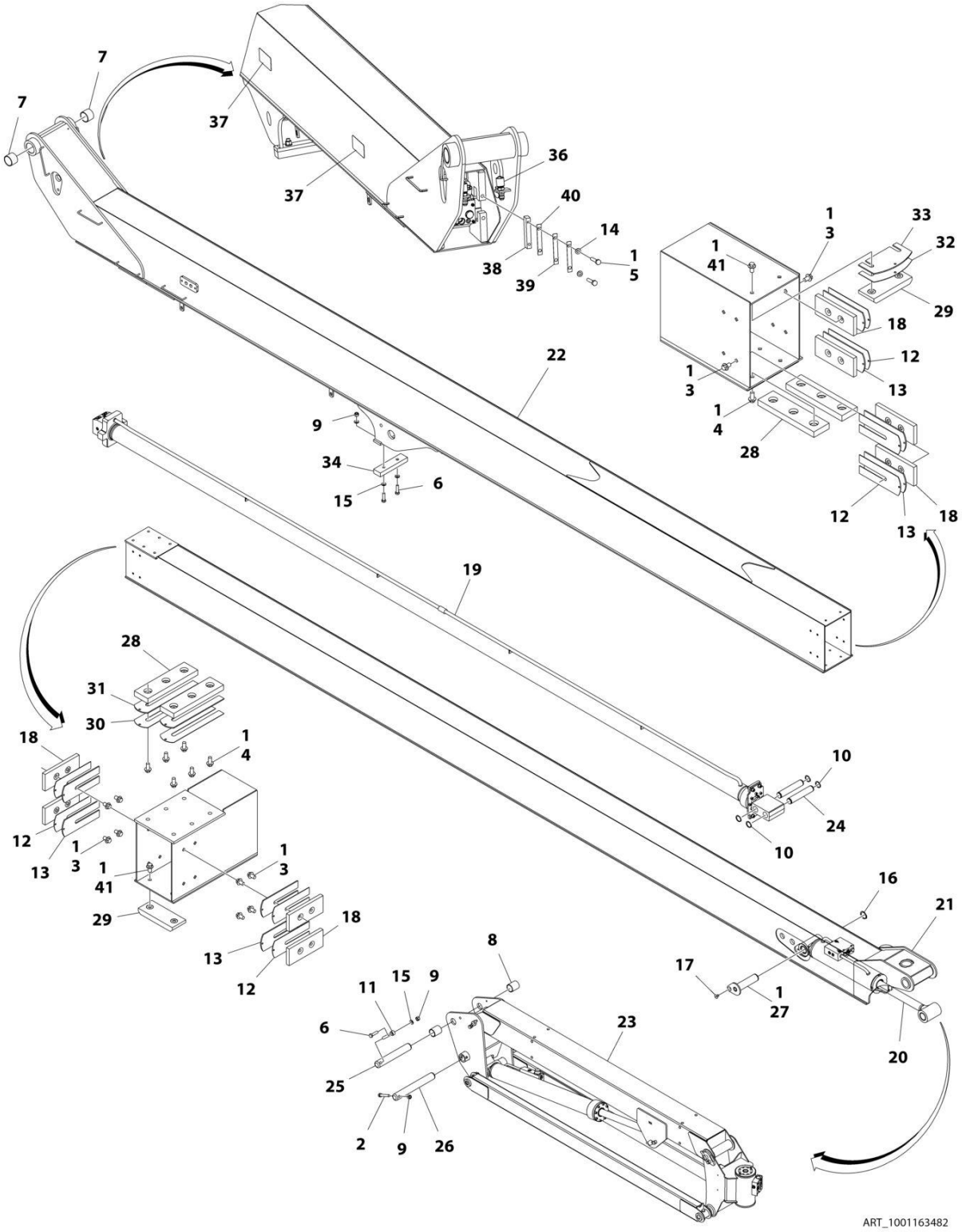


FIGURE 4-4. MAIN BOOM ASSEMBLY - 460SJC

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

FIGURE 4-5. JIB BOOM ASSEMBLY - 460SJC

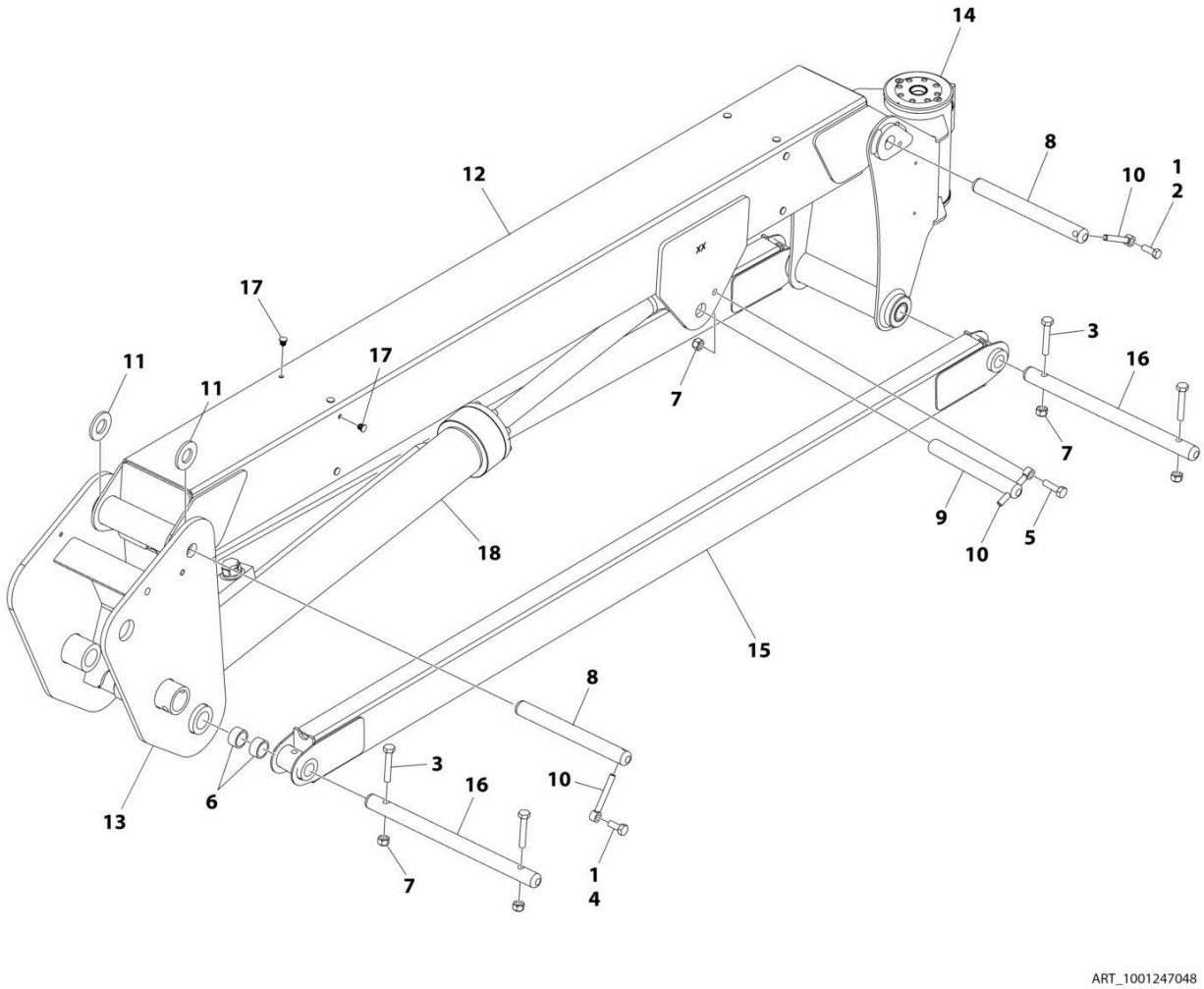


FIGURE 4-5. JIB BOOM ASSEMBLY - 460SJC

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

FIGURE 4-6. ROTATOR ASSEMBLY - 400SC

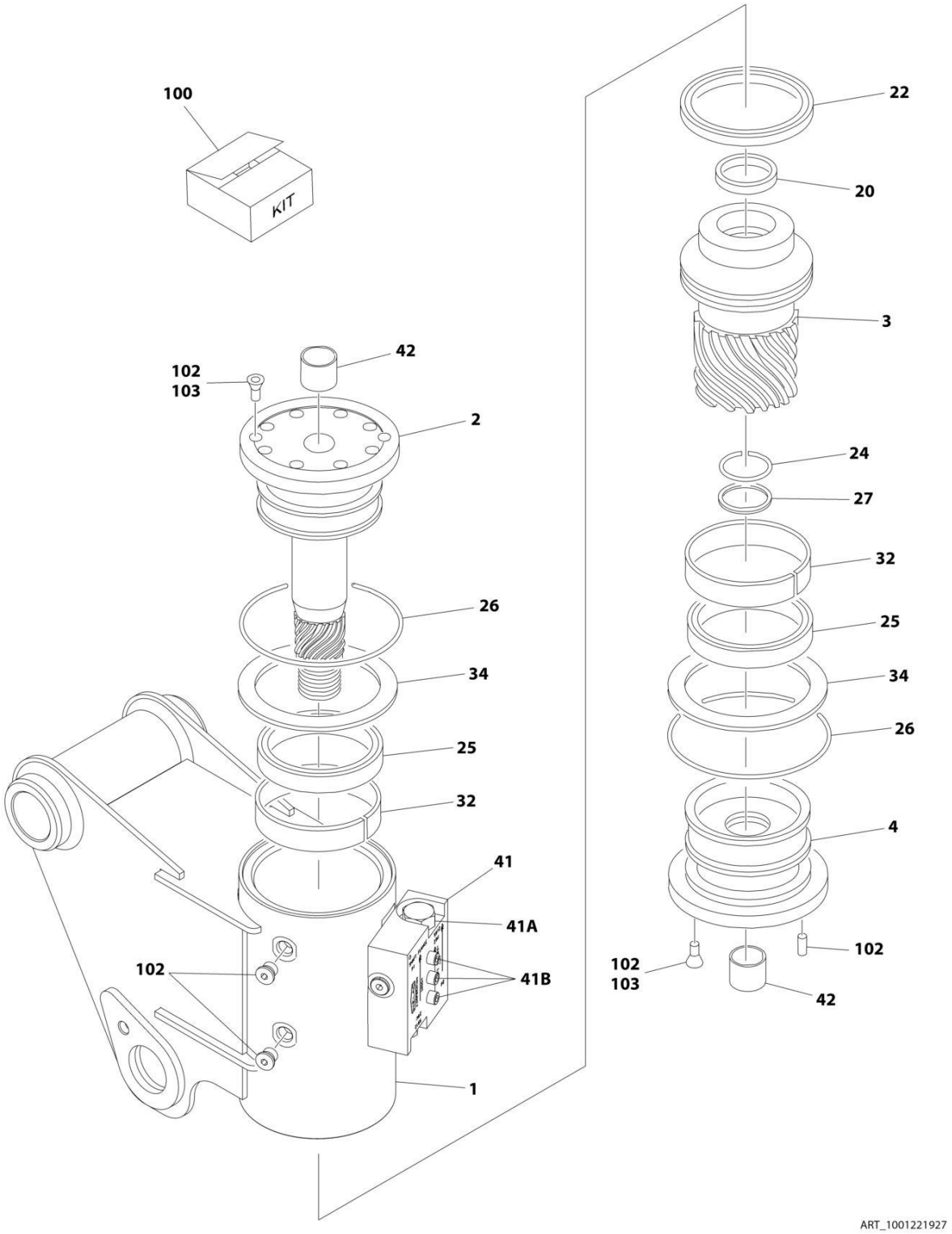


FIGURE 4-6. ROTATOR ASSEMBLY - 400SC

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

FIGURE 4-7. ROTATOR ASSEMBLY - 460SJC

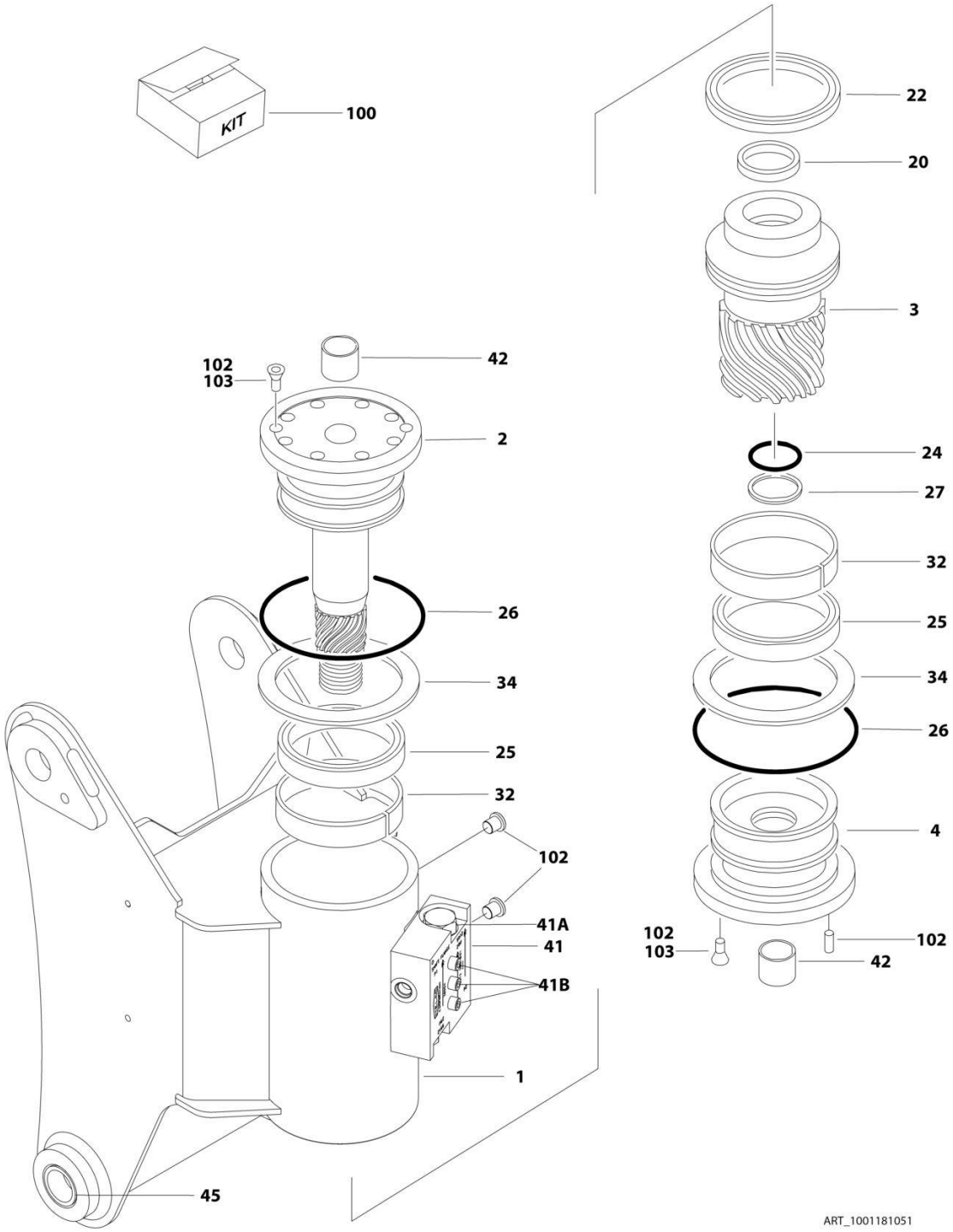


FIGURE 4-7. ROTATOR ASSEMBLY - 460SJC

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

FIGURE 4-8. BOOM REST INSTALLATION

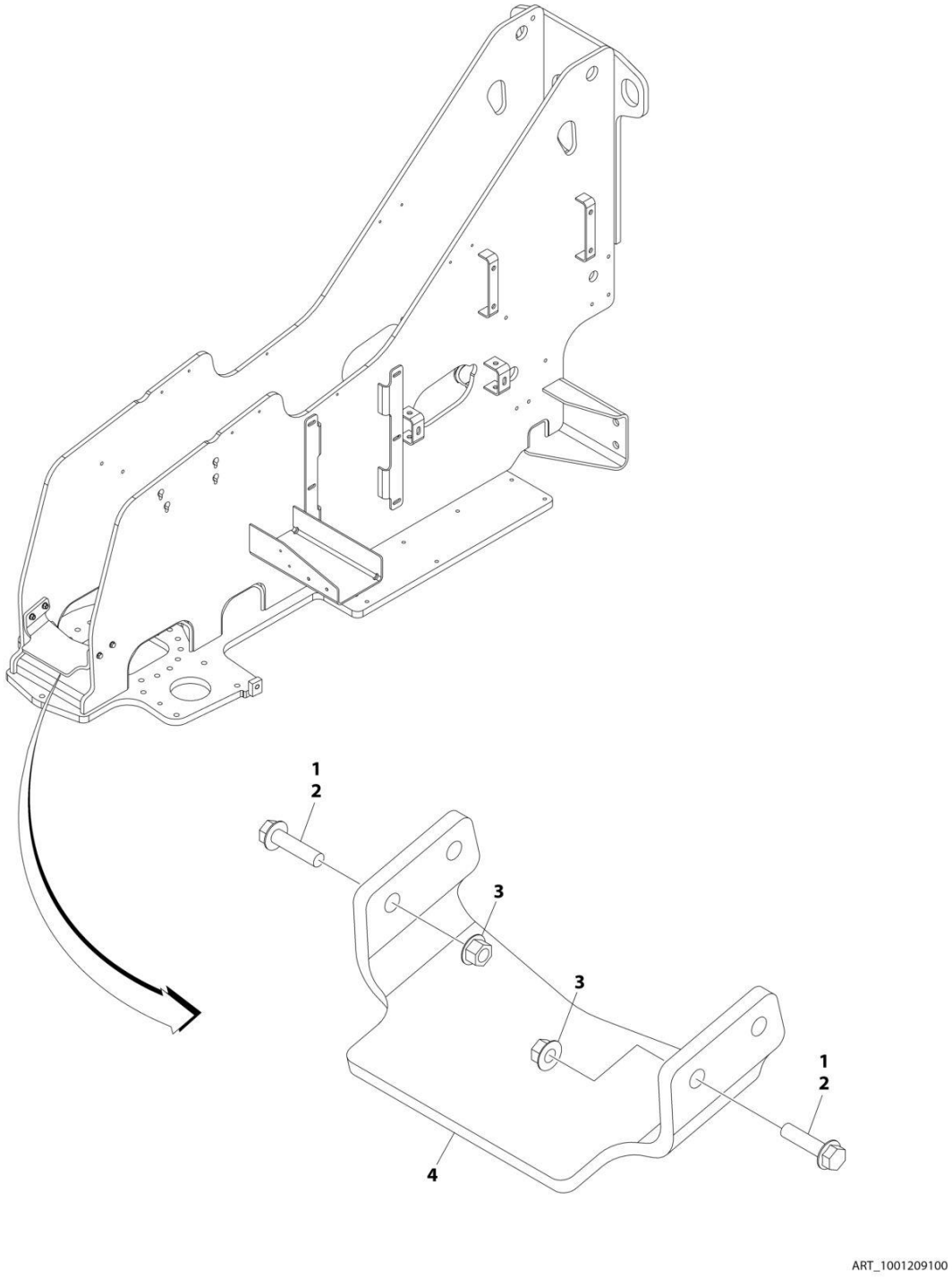


FIGURE 4-8. BOOM REST INSTALLATION

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

FIGURE 4-9. CAPACITY SWITCH INSTALLATION

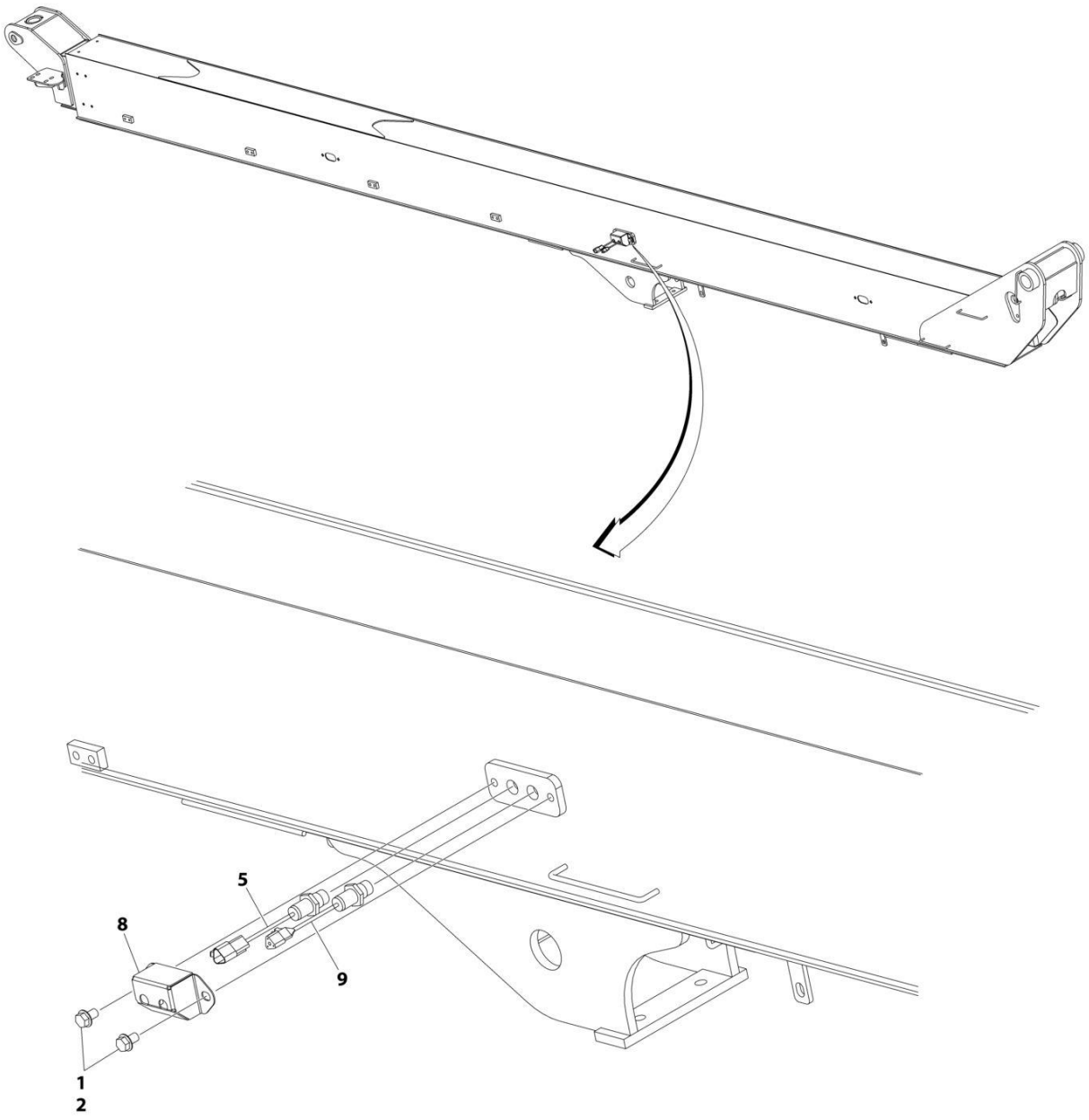


FIGURE 4-9. CAPACITY SWITCH INSTALLATION

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

FIGURE 4-10. PLATFORM SUPPORT INSTALLATION - WITH 1 CELL LSS

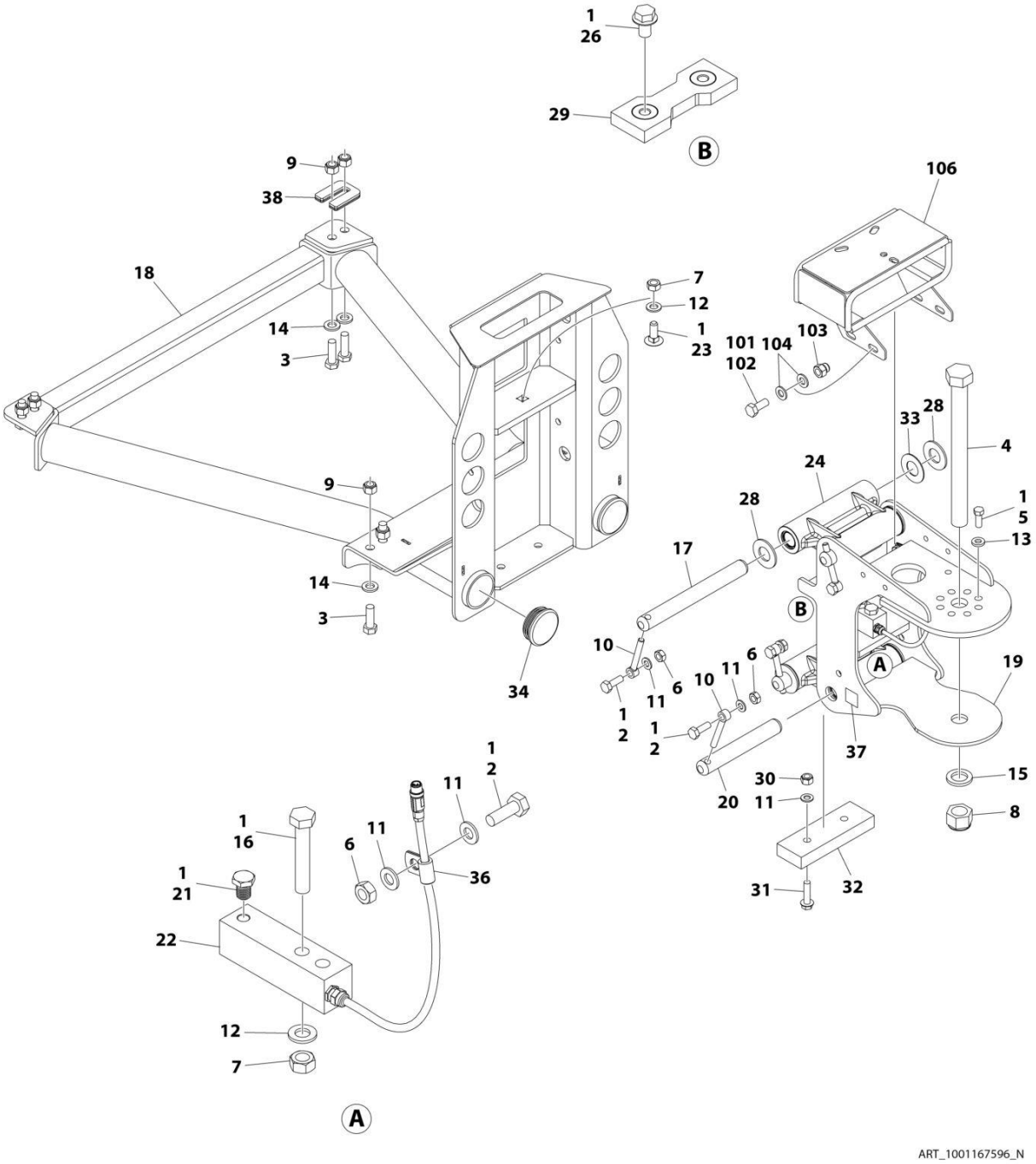


FIGURE 4-10. PLATFORM SUPPORT INSTALLATION - WITH 1 CELL LSS

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	
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 Grade 10.9	
17	1001167565	2	Pin	
18	1001200494	1	Support, Platform	
19	1001167567	1	Support, Rotator	
20	1001168402	2	Pin	
21	1001188622	1	Screw	
22	1001247468	1	Loadcell	
23	1001188844	1	Bolt M12 x 35	
24	1001201351	2	Link	
24	1001187382	4	Bearing	
24	1001187383	4	Seal	
26	5251008	2	Bolt M10 x 16	
28	1001189002	8	Bearing	
29	1001190985	1	Pad, Wear	
30	3291005	2	Nut M10	
31	5251016	2	Bolt M10 x 40	
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 4-11. POWER TRACK INSTALLATION

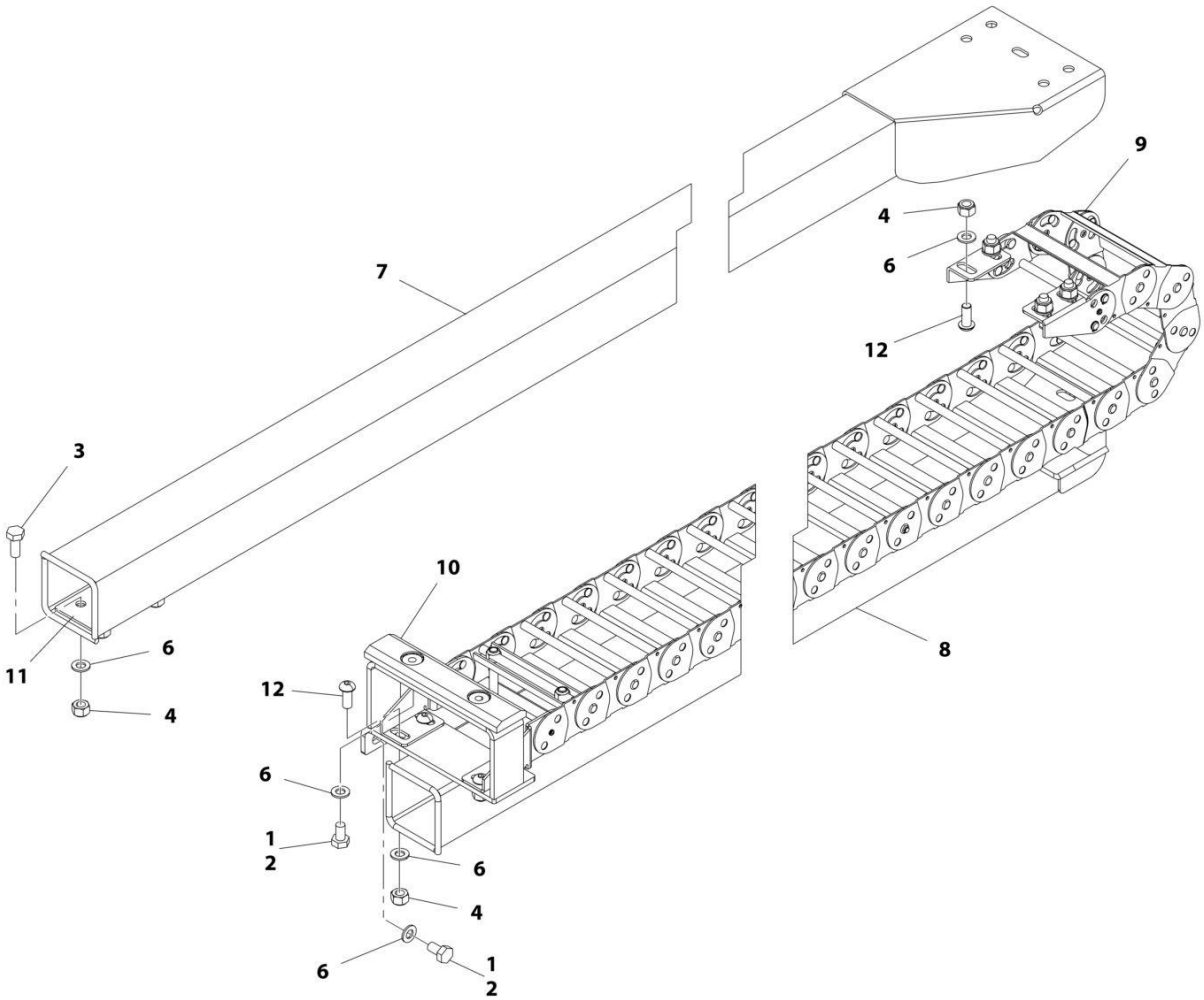


FIGURE 4-11. POWER TRACK INSTALLATION

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

FIGURE 4-12. TRANSPORT SWITCHES INSTALLATION

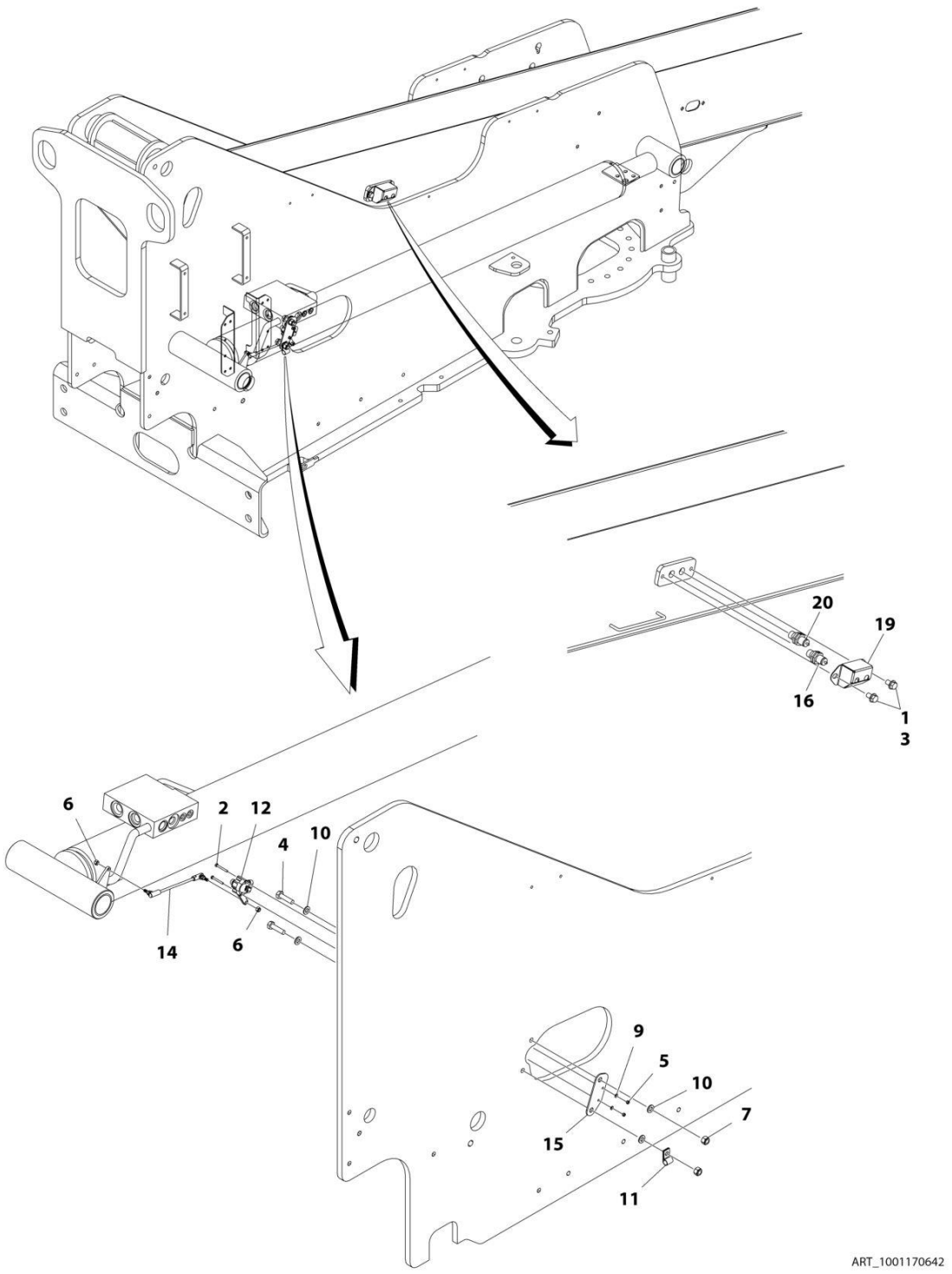


FIGURE 4-12. TRANSPORT SWITCHES INSTALLATION

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

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

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

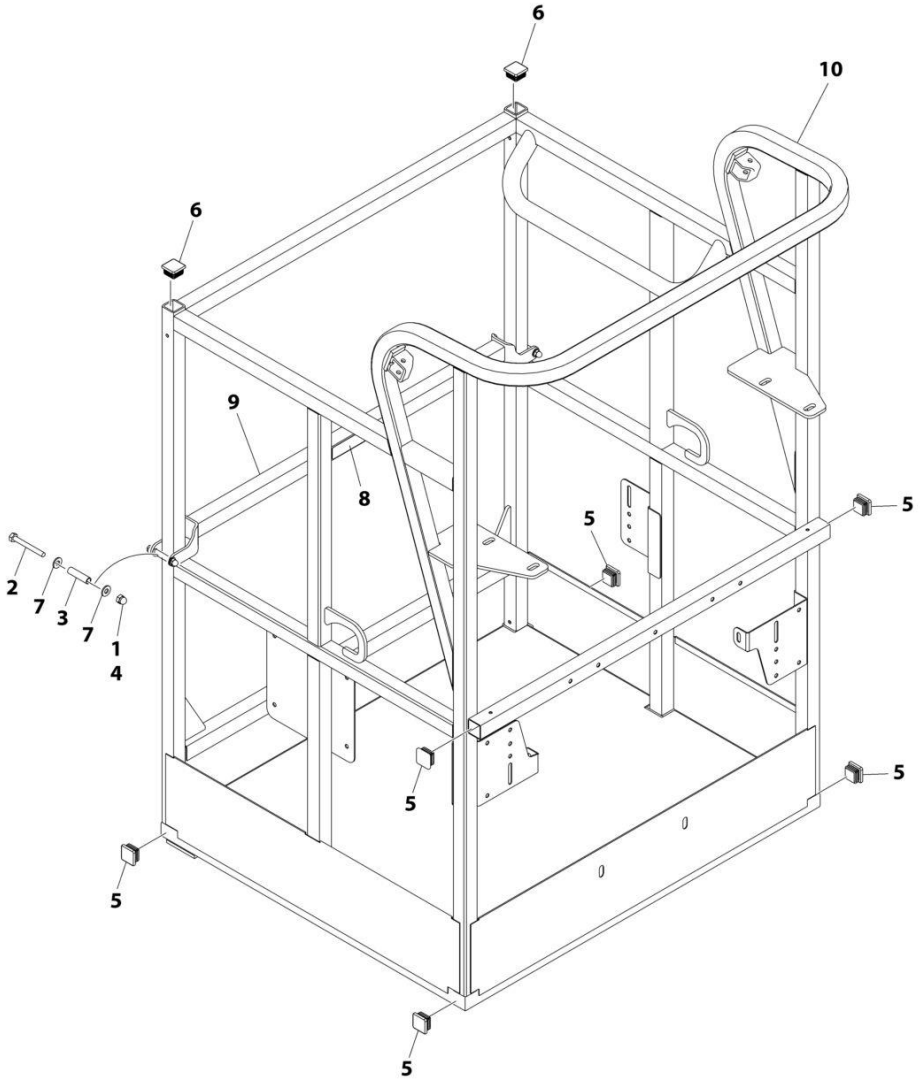


FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 3FT (76CM X .91M) - DROP BAR ENTRY

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

SECTION 5 - PLATFORM

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

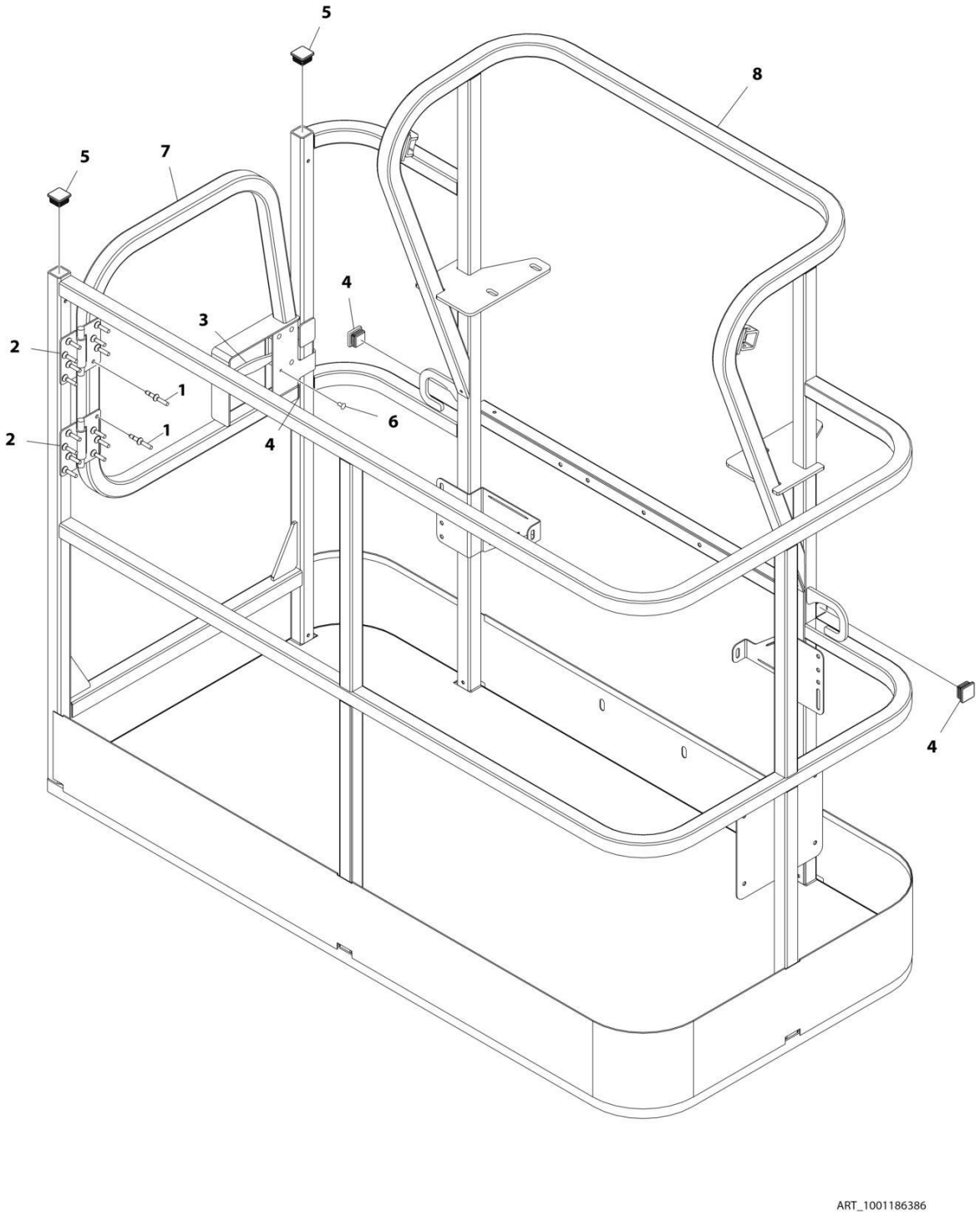


FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) WITH SWING GATE

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

SECTION 5 - PLATFORM

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

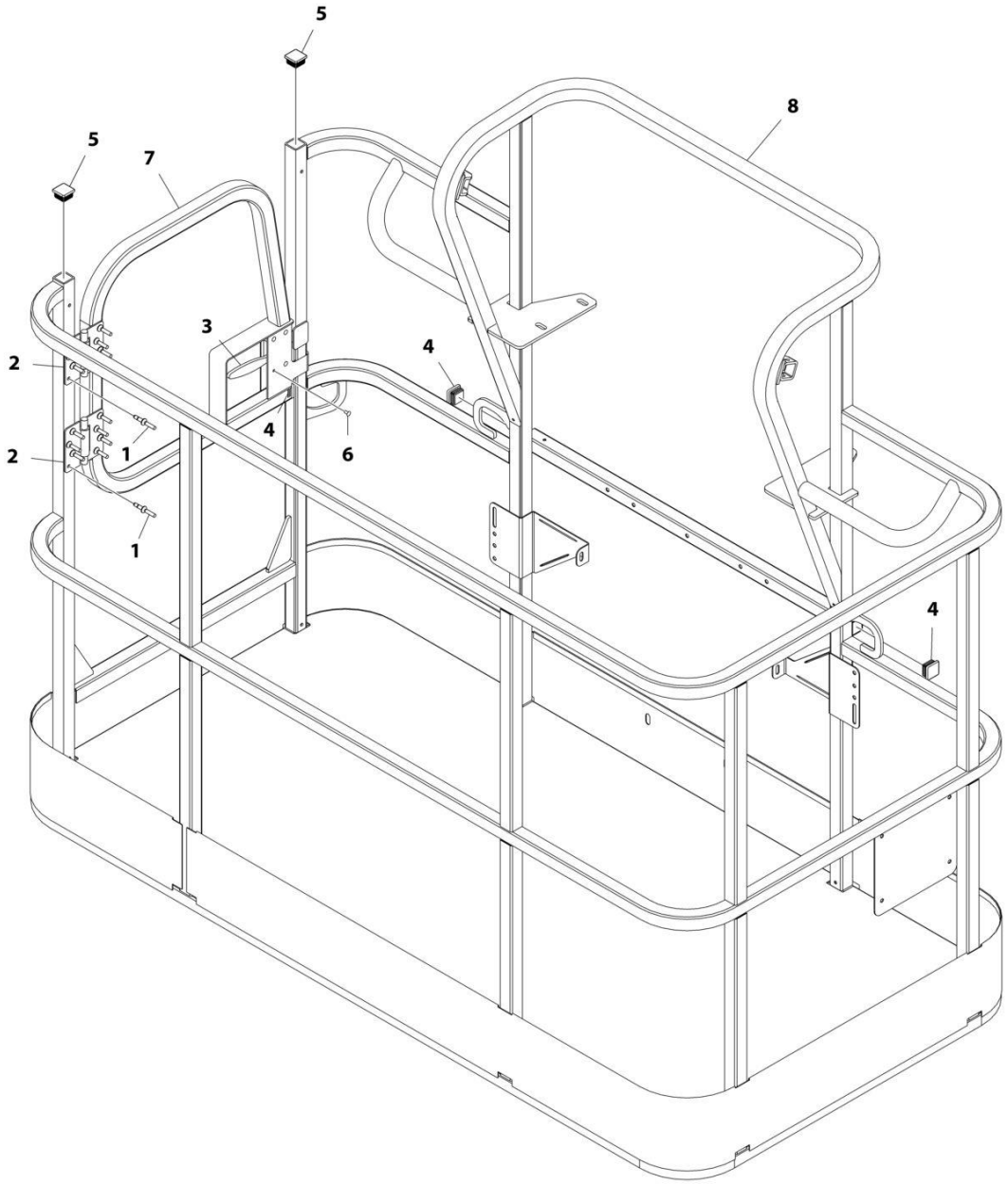


FIGURE 5-3. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE

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

SECTION 5 - PLATFORM

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

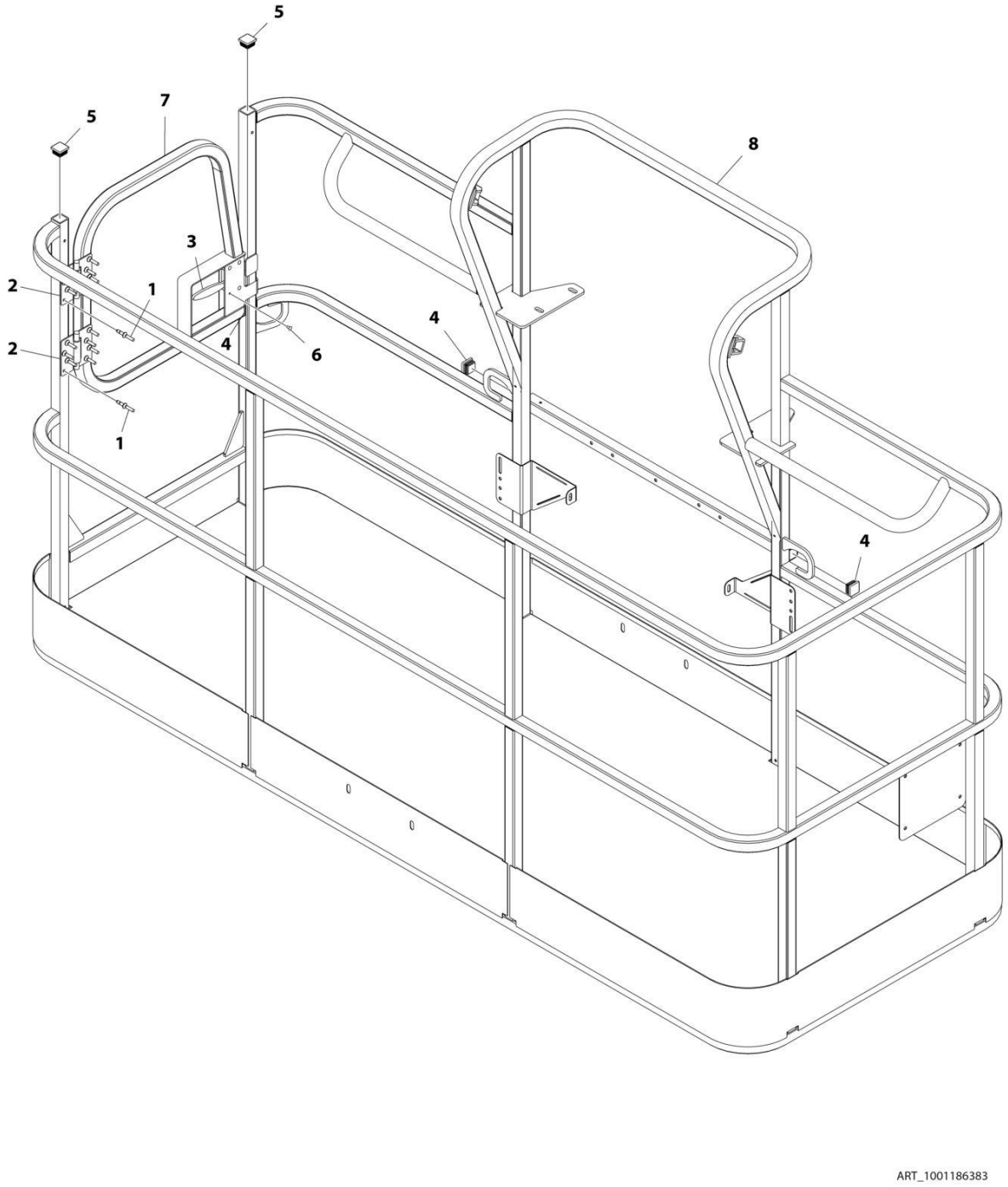


FIGURE 5-4. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE

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

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

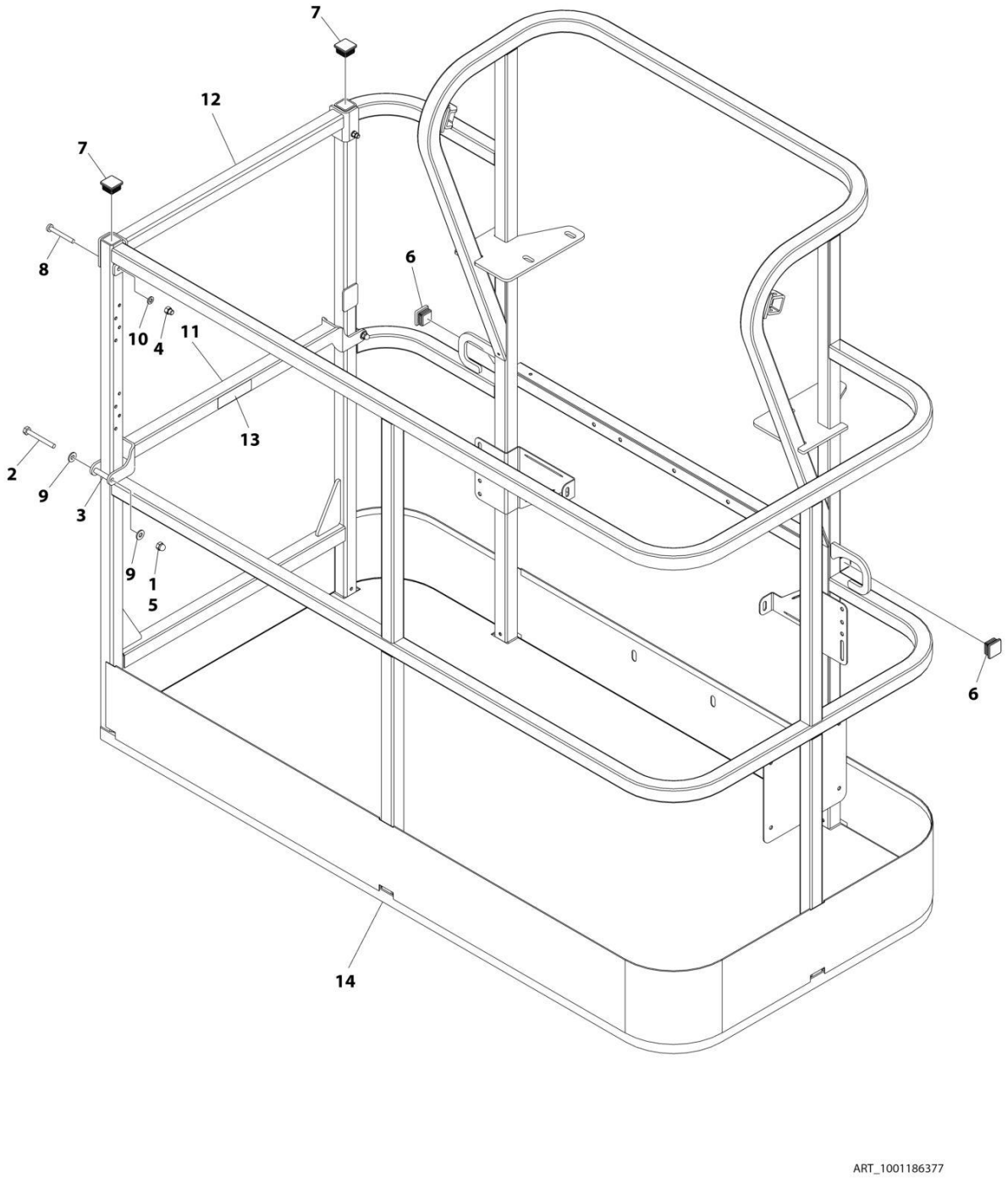


FIGURE 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.5M) WITH DROP BAR

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

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

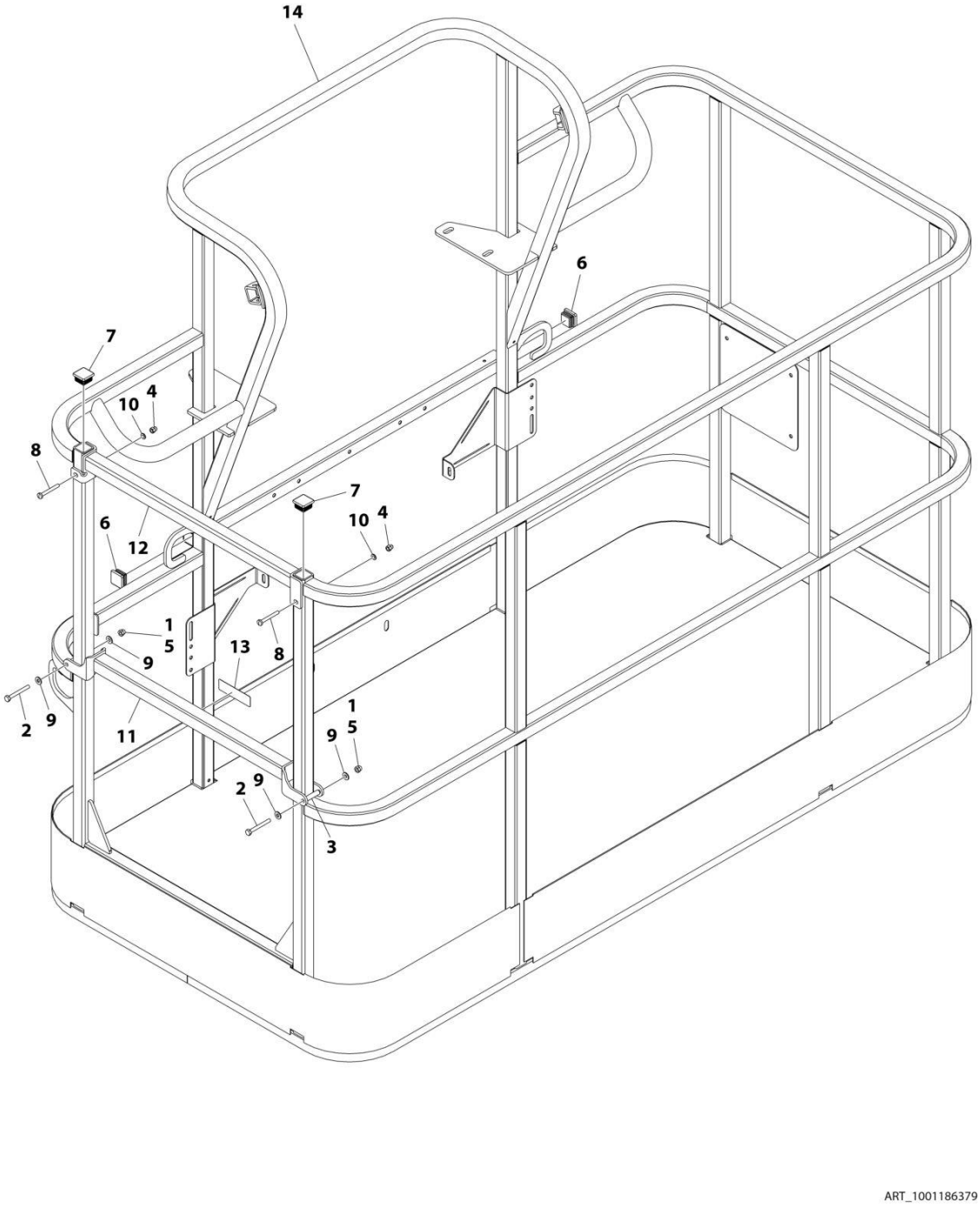


FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR

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

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

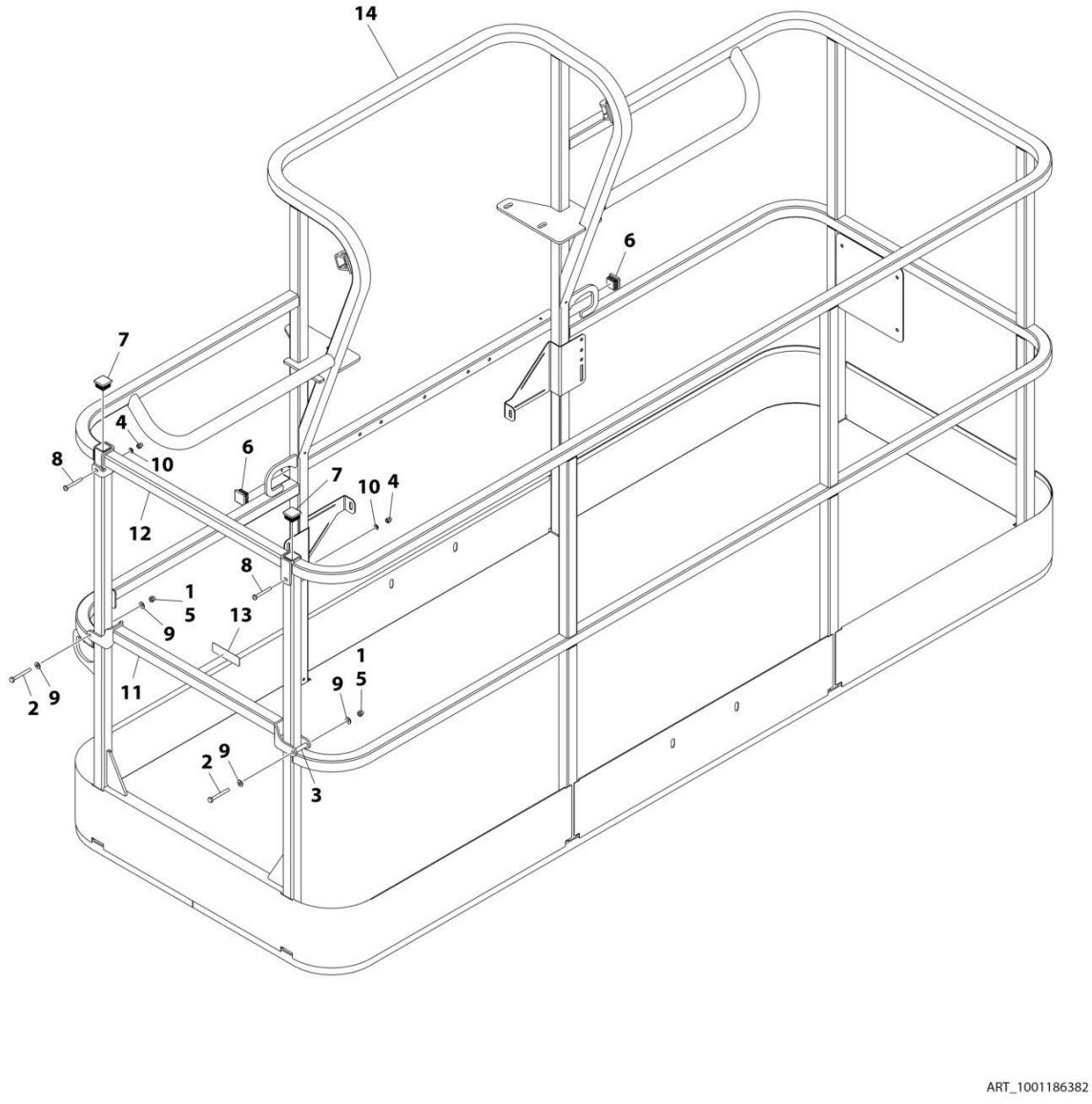


FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR

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

SECTION 5 - PLATFORM

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

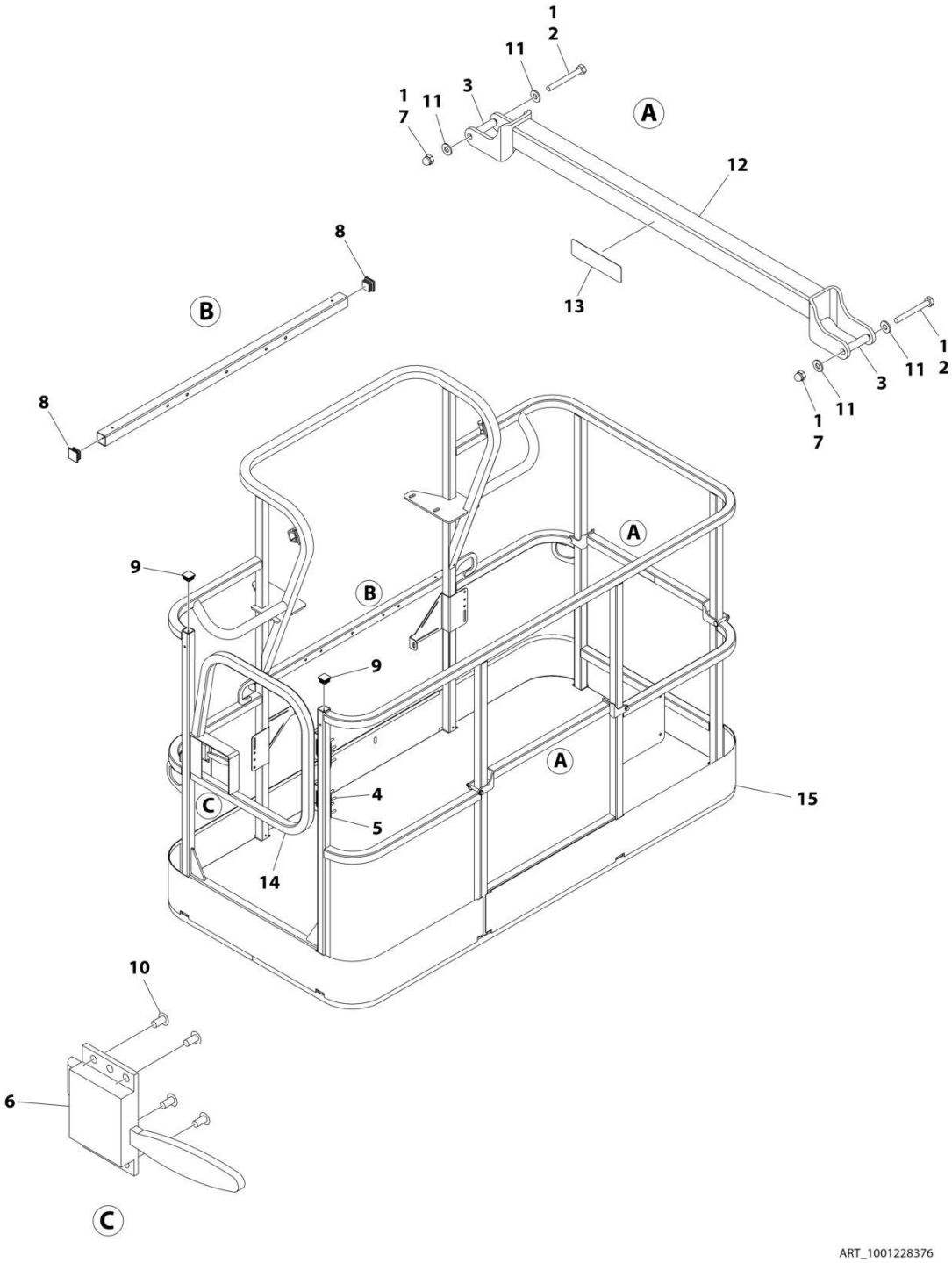


FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

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

SECTION 5 - PLATFORM

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

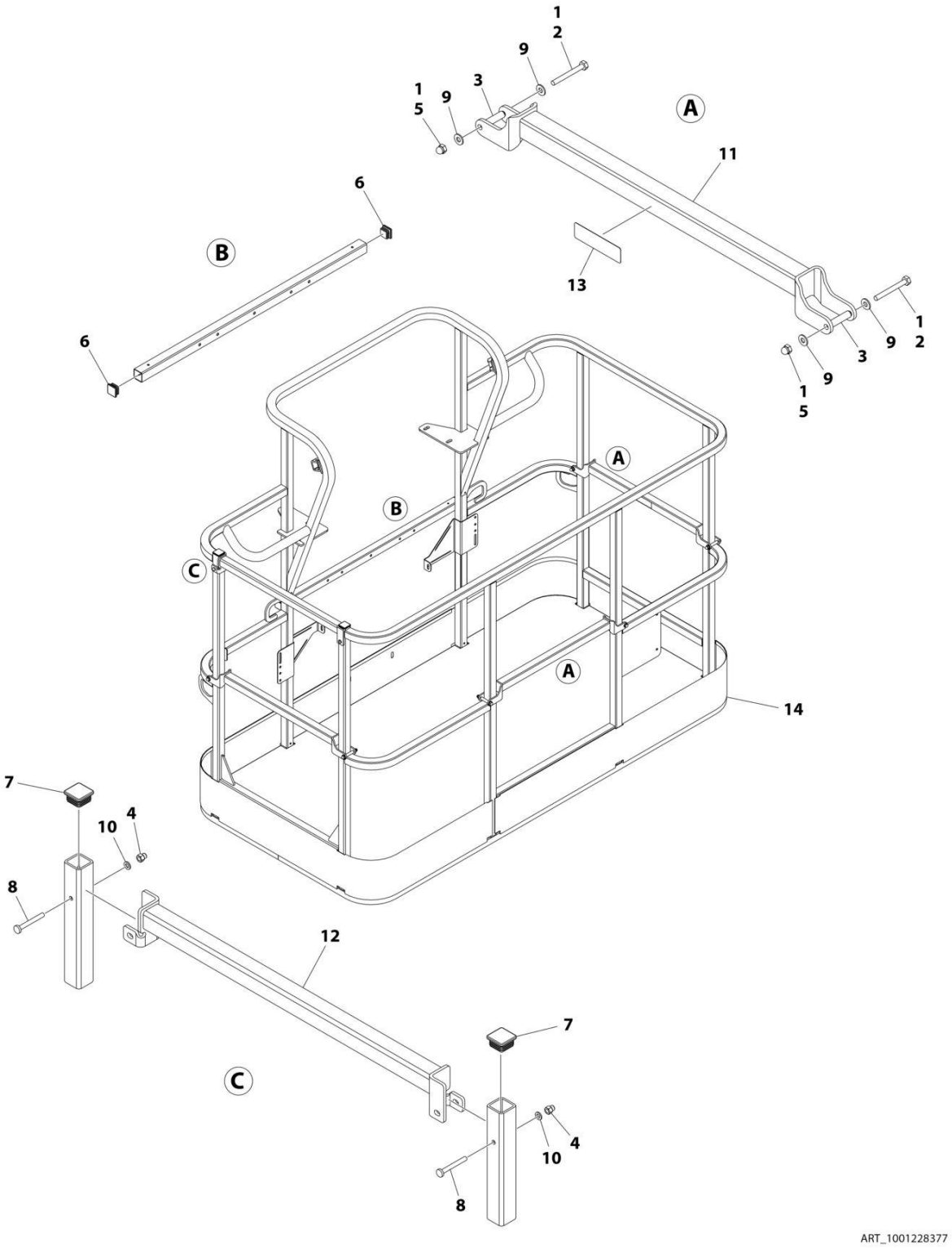


FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROPBAR

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

SECTION 5 - PLATFORM

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

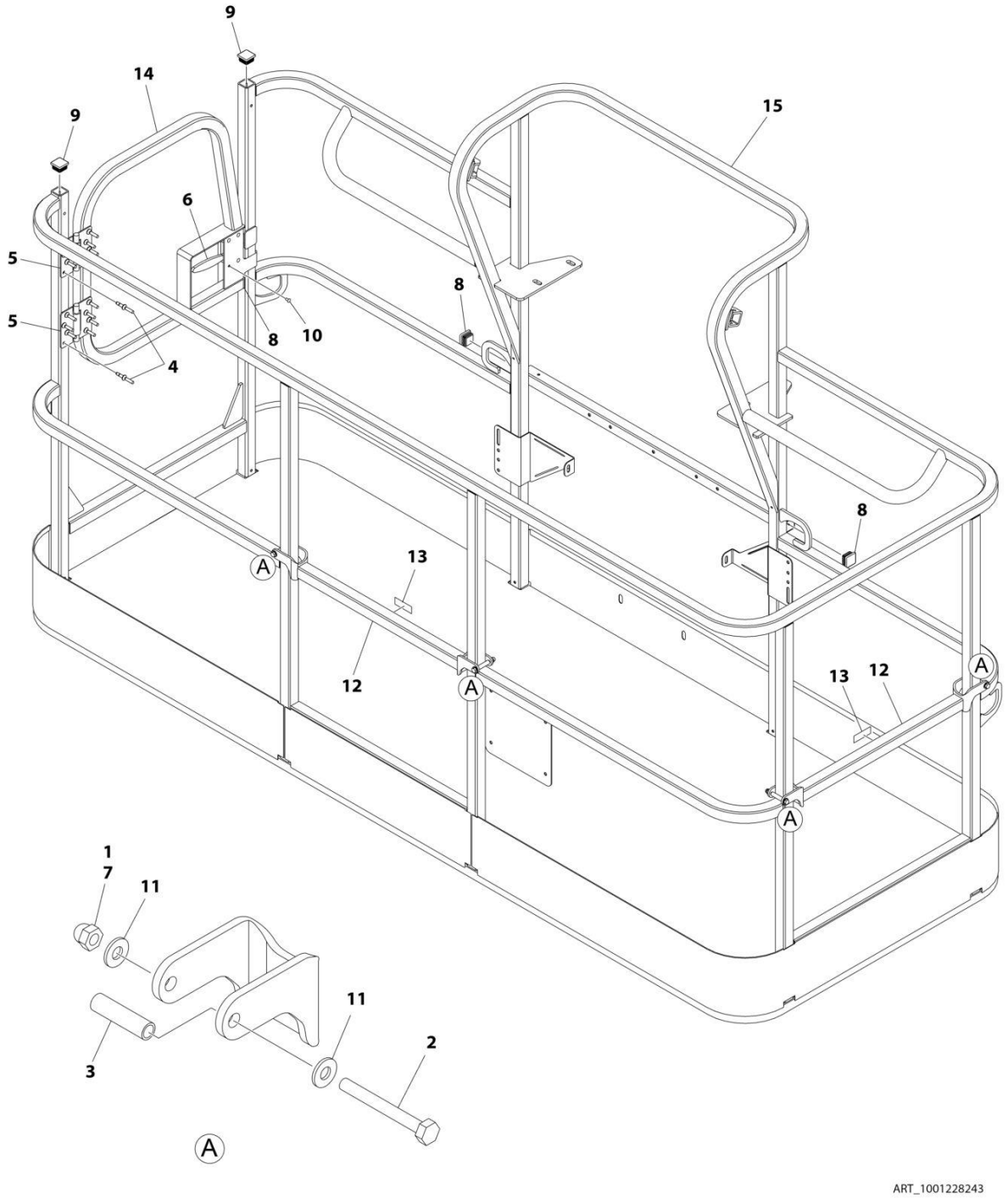


FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPBAR

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

SECTION 5 - PLATFORM

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

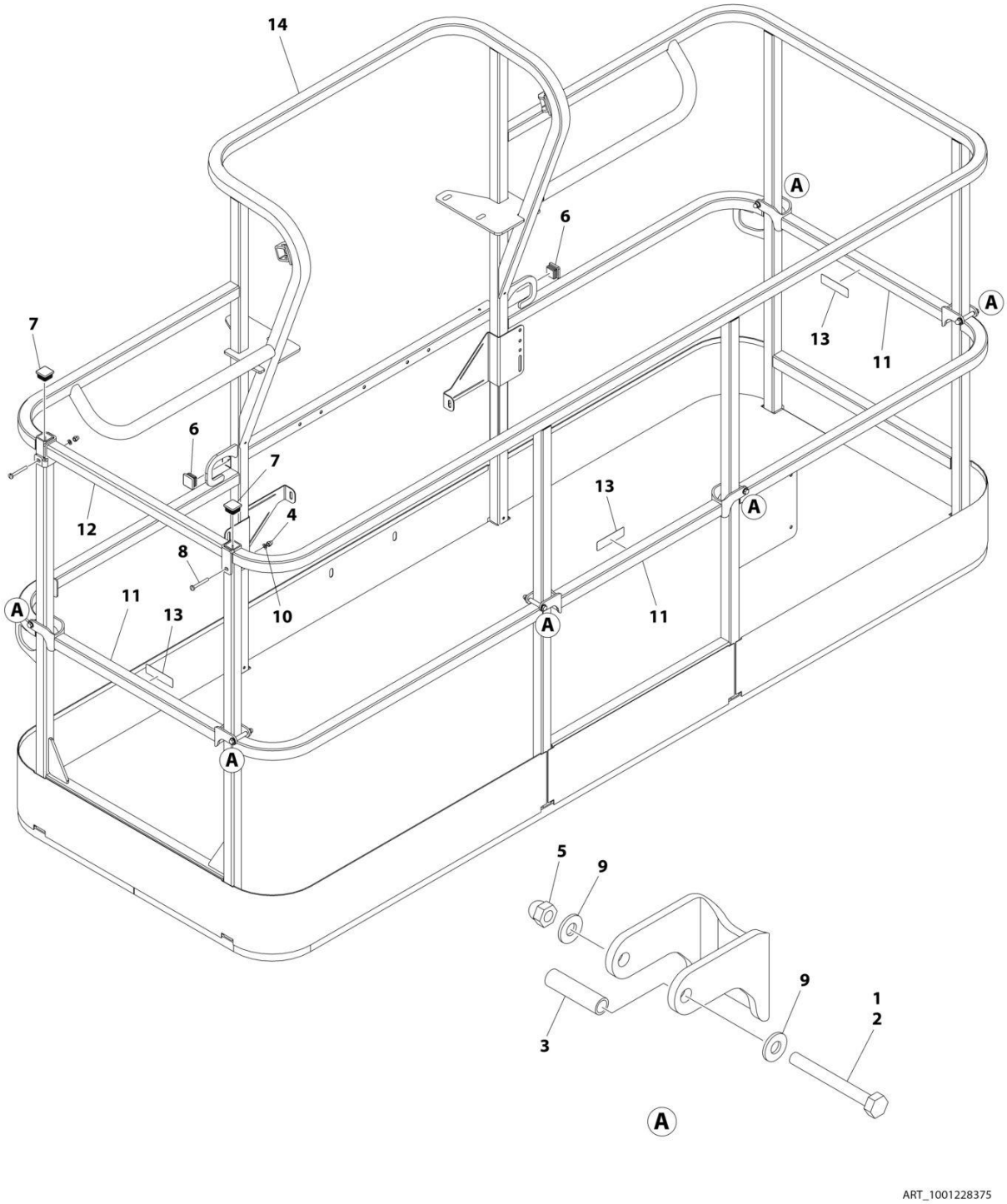


FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPGATE

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

SECTION 5 - PLATFORM

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

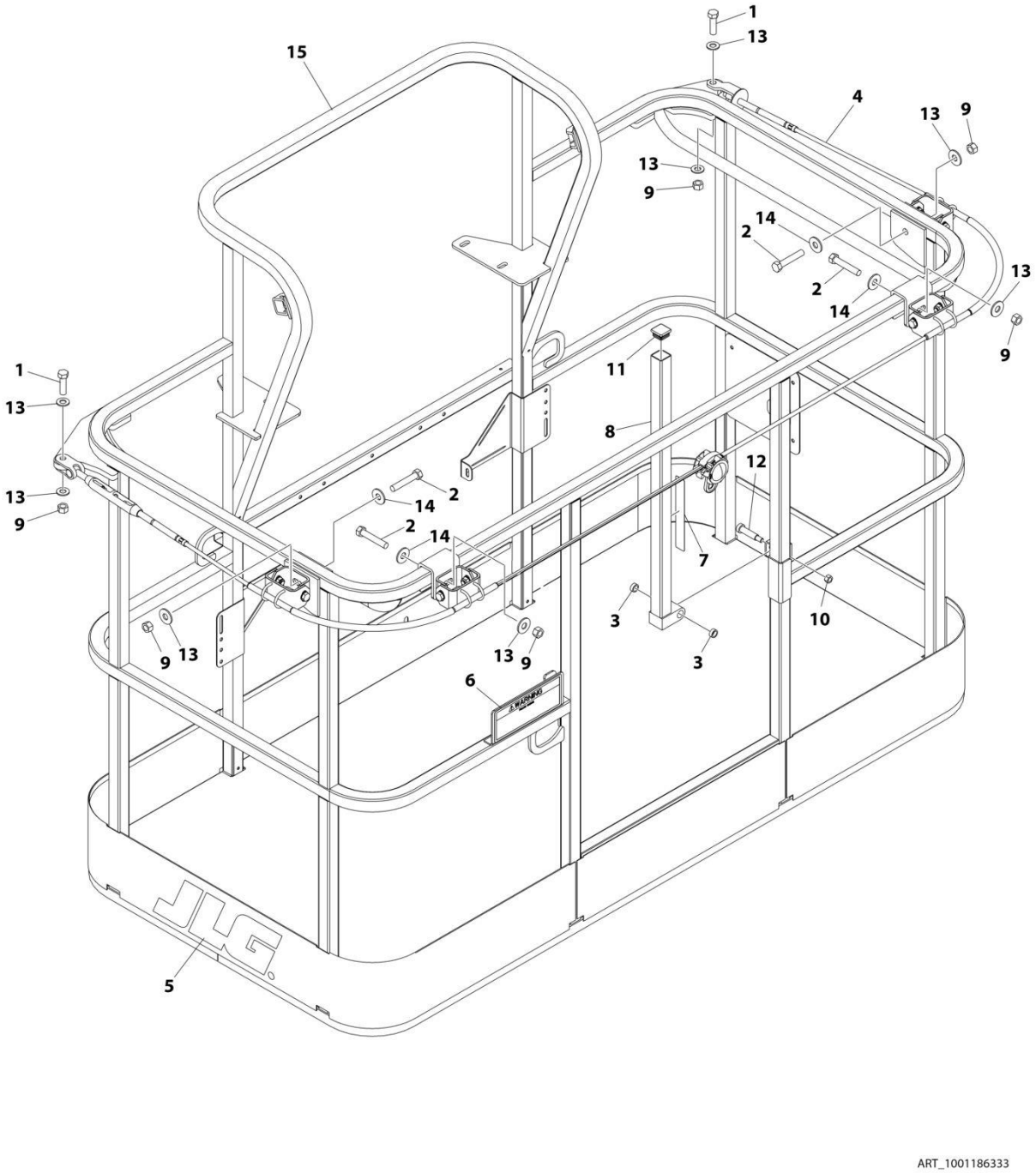


FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS)

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

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

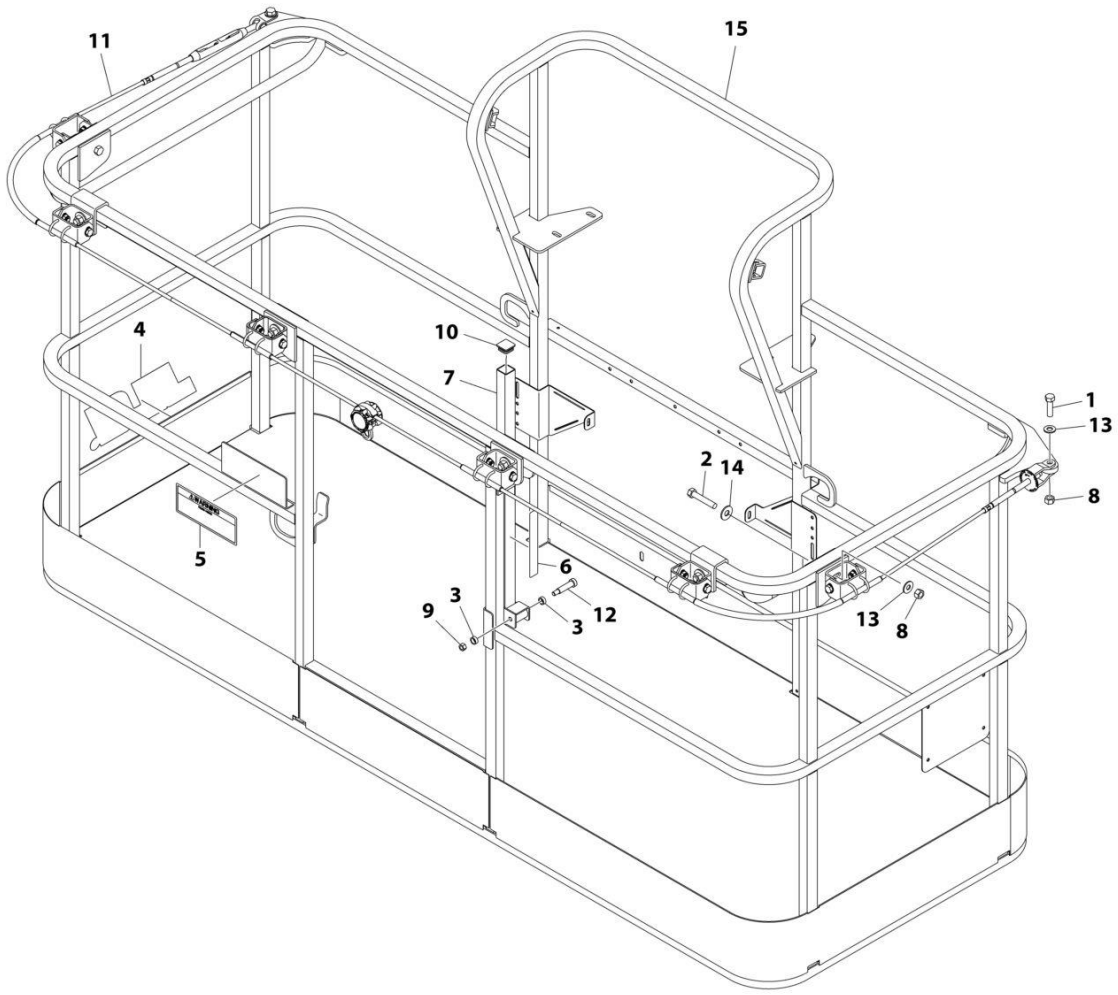


FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ALL SPECS EXCEPT CE & UK CA SPECS)

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

FIGURE 5-14. CONSOLE BOX INSTALLATION

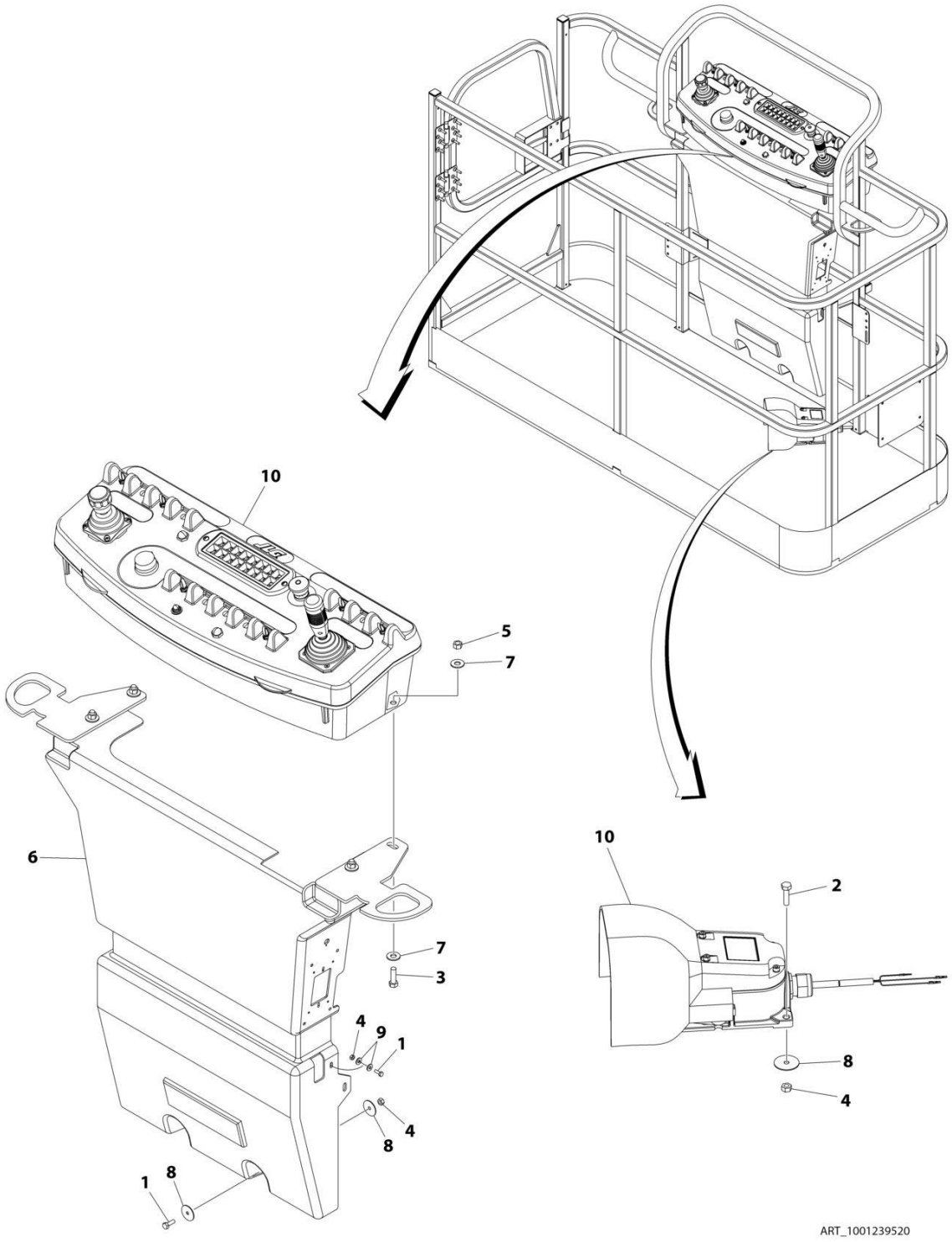


FIGURE 5-14. CONSOLE BOX INSTALLATION

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

FIGURE 5-15. CONSOLE BOX ASSEMBLY

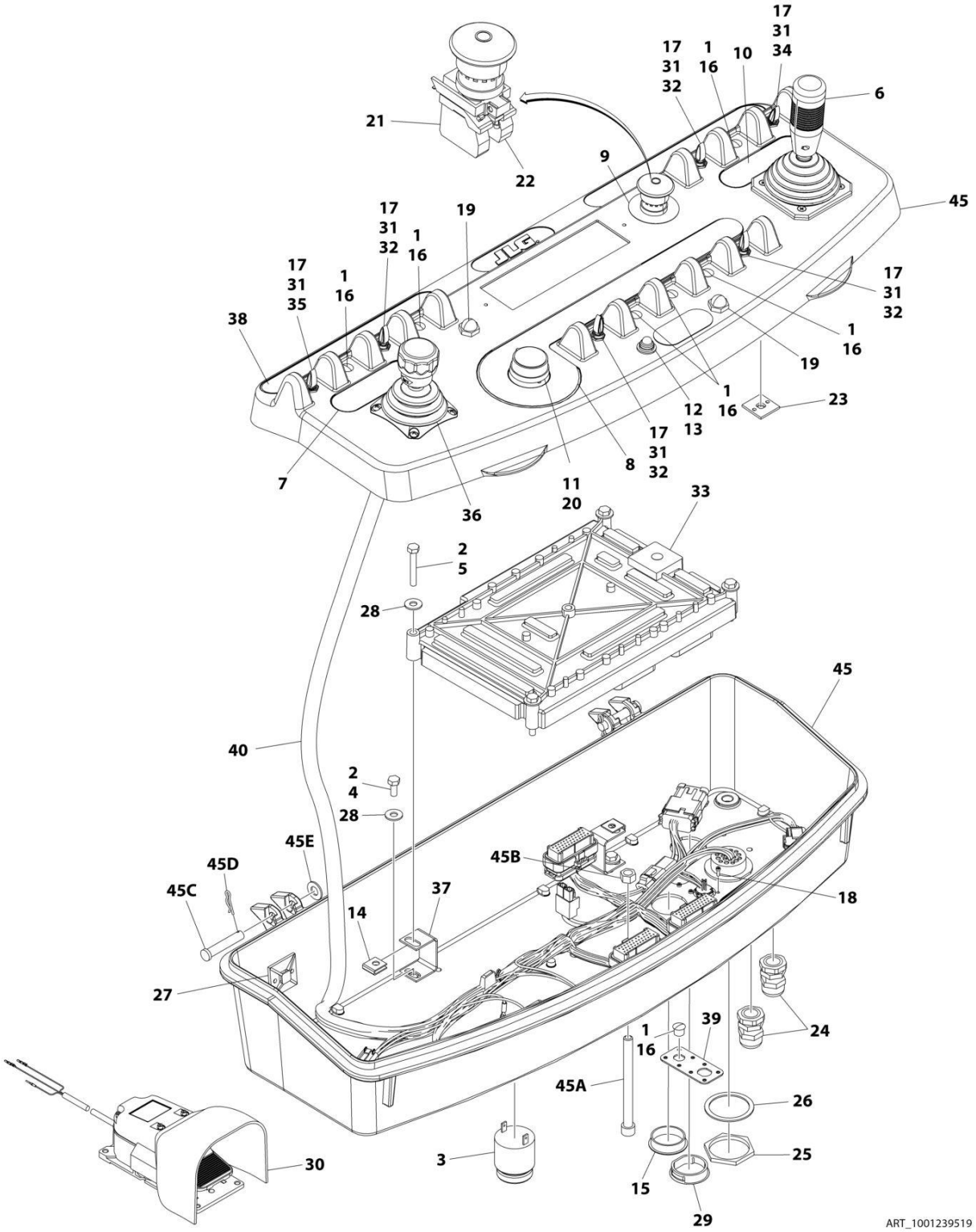


FIGURE 5-15. CONSOLE BOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239519	Ref	CONSOLE BOX ASSEMBLY	B
1	0100009	AR	Sealant	
2	0100035	AR	Compound, Locking	
3	0140011	1	Alarm	
4	0641405	4	Bolt 1/4 x 5/8	
5	0641414	4	Bolt 1/4 x 1-3/4	
6	1600359	1	Controller Assembly (Drive and Steer) (See Separate Breakdown in this Section)	
7	1702566	1	Decal - Lift and Swing	
8	1702567	1	Decal - Function Speed	
9	1704260	1	Decal - EMS	
10	1704460	1	Decal - Drive and Steer	
11	2560136	1	Handle, Knob	
12	2920028	1	Light, Indicator	
13	2920029	1	Lamp, Bulb	
14	3300353	4	Nut, Tinnerman	
15	3520035	1	Plug, Cap	
16	3520054	7	Plug	
17	3790012	6	O-Ring	
18	3900349	8	Screw M2.5	
19	4360387	2	Switch, Pushbutton	
20	4360407	1	Switch, Potentiometer	
21	4360475	1	Switch, Emergency	
21	7020175	1	Cap	
21	7020176	1	Block, Contact	
22	4360476	1	Block, Contact	
23	4460234	3	Terminal	
24	4460428	2	Connector, Strain Relief	
25	4460470	1	Nut, Terminal	
26	4460471	1	Washer	
27	4460488	1	Terminal, Mounting Base	
28	4751400	8	Washer 1/4	
29	1001110434	1	Plug	
30	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	
31	1001155044	6	Nut 15/32	
32	1001155045	4	Switch, Toggle	
33	1001157196	1	Controller, Module (Note: Re-calibration Required when Replaced)	
34	1001159256	1	Switch, Toggle	
35	1001161709	1	Switch, Toggle DPDT	
36	1001166539	1	Controller Assembly (Lift and Swing) (See Separate Breakdown in this Section)	
37	1001172760	4	Bracket	
38	1001184626	1	Decal - Horn	
39	1001213882	1	Connector Mount	
40	1001238254	1	Harness, Platform (See Separate Breakdown in ELECTRICAL SECTION)	
45	1001215229	1	Platform Console Box	
45A	0630568	1	Capscrew 3/8 x 4-1/2	
45B	3311601	1	Nut 3/8	
45C	3430616	2	Pin	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45D	3470003	2	Hairpin	
45E	4711600	2	Washer 3/8	

FIGURE 5-16. CONTROLLER ASSEMBLY (DRIVE AND STEER)

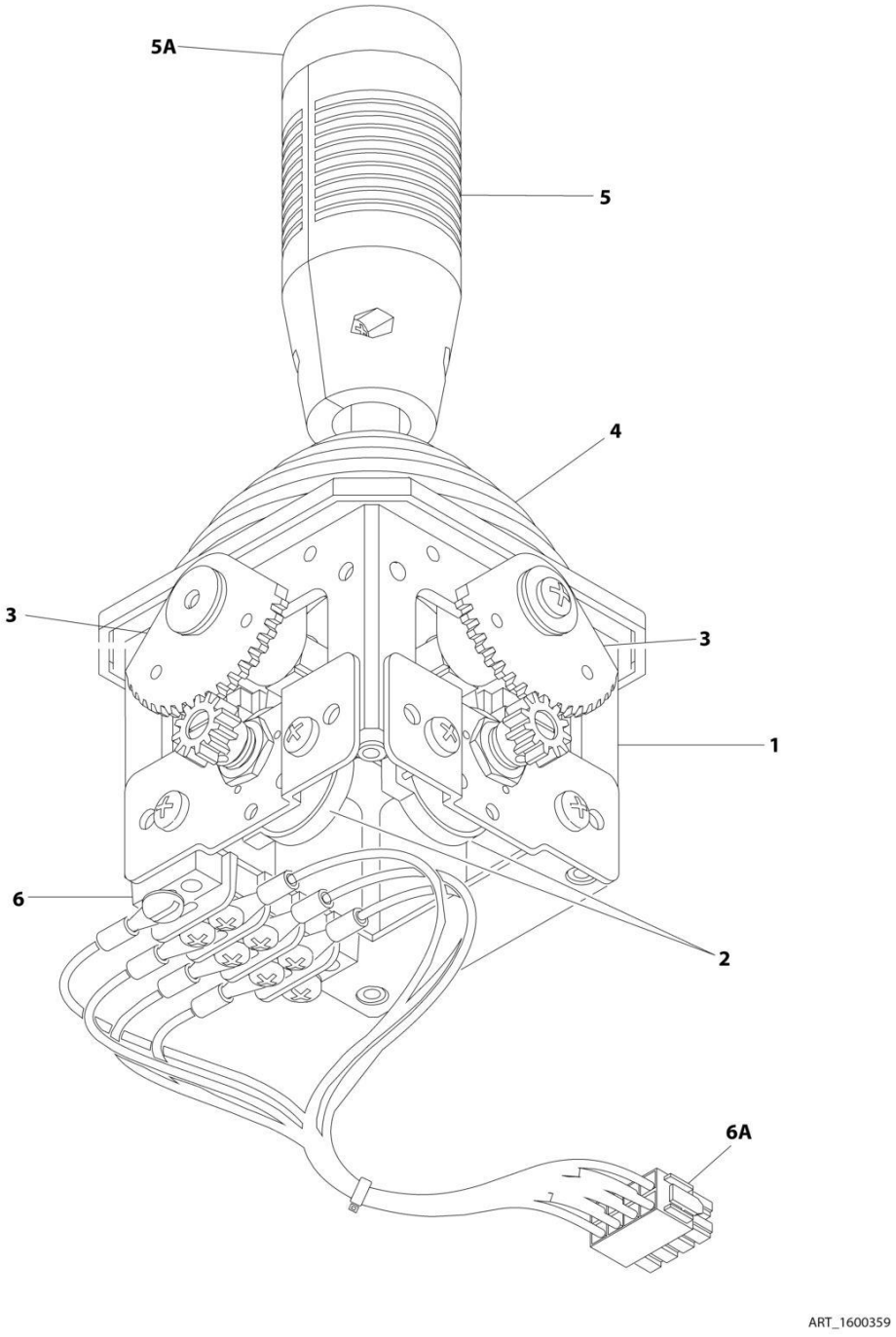


FIGURE 5-16. CONTROLLER ASSEMBLY (DRIVE AND STEER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1600359	Ref	CONTROLLER ASSEMBLY	A
1	7022832	1	Housing Assembly (Includes Casting, Gimbles, etc)	
2	7022833	2	Potentiometer Plate	
2	7003974	2	Potentiometer	
3	7022834	2	Drive Gear Assembly	
4	7022835	1	Boot Assembly	
5	7022836	1	Handle Assembly	
5A	7022839	1	Cap, Rubber	
5A	7022838	1	Switch, Push Button	
6	7022837	1	Terminal Block/PC Board Assembly	
6A	See Note	NSS	Plug, Male 8 Position (Note: Not Available for Purchase)	
6A	4460871	6	Socket, Female	

FIGURE 5-17. CONTROLLER ASSEMBLY (LIFT AND SWING)

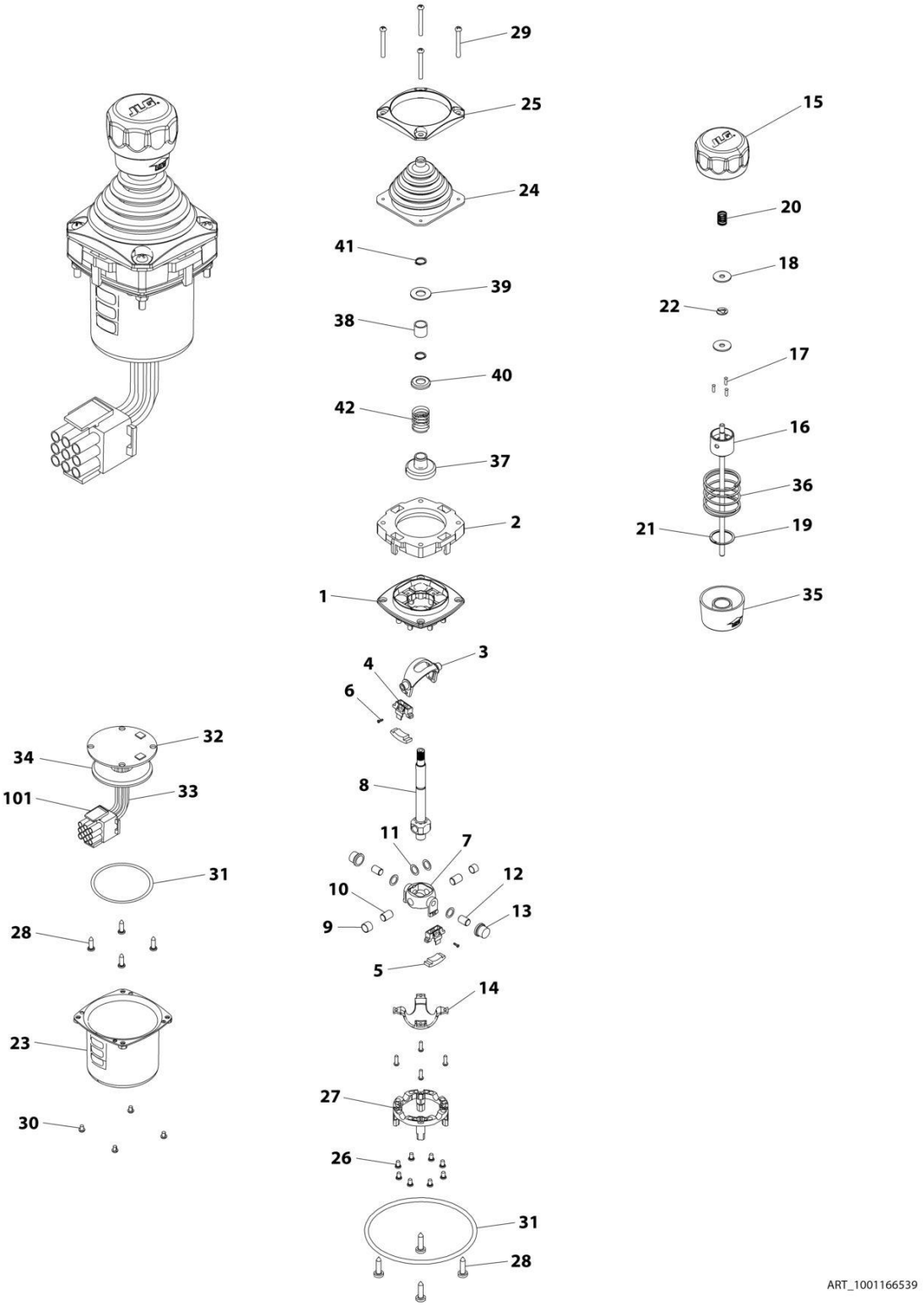


FIGURE 5-17. CONTROLLER ASSEMBLY (LIFT AND SWING)

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

SECTION 5 - PLATFORM

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

FIGURE 5-18. FOOTSWITCH ASSEMBLY

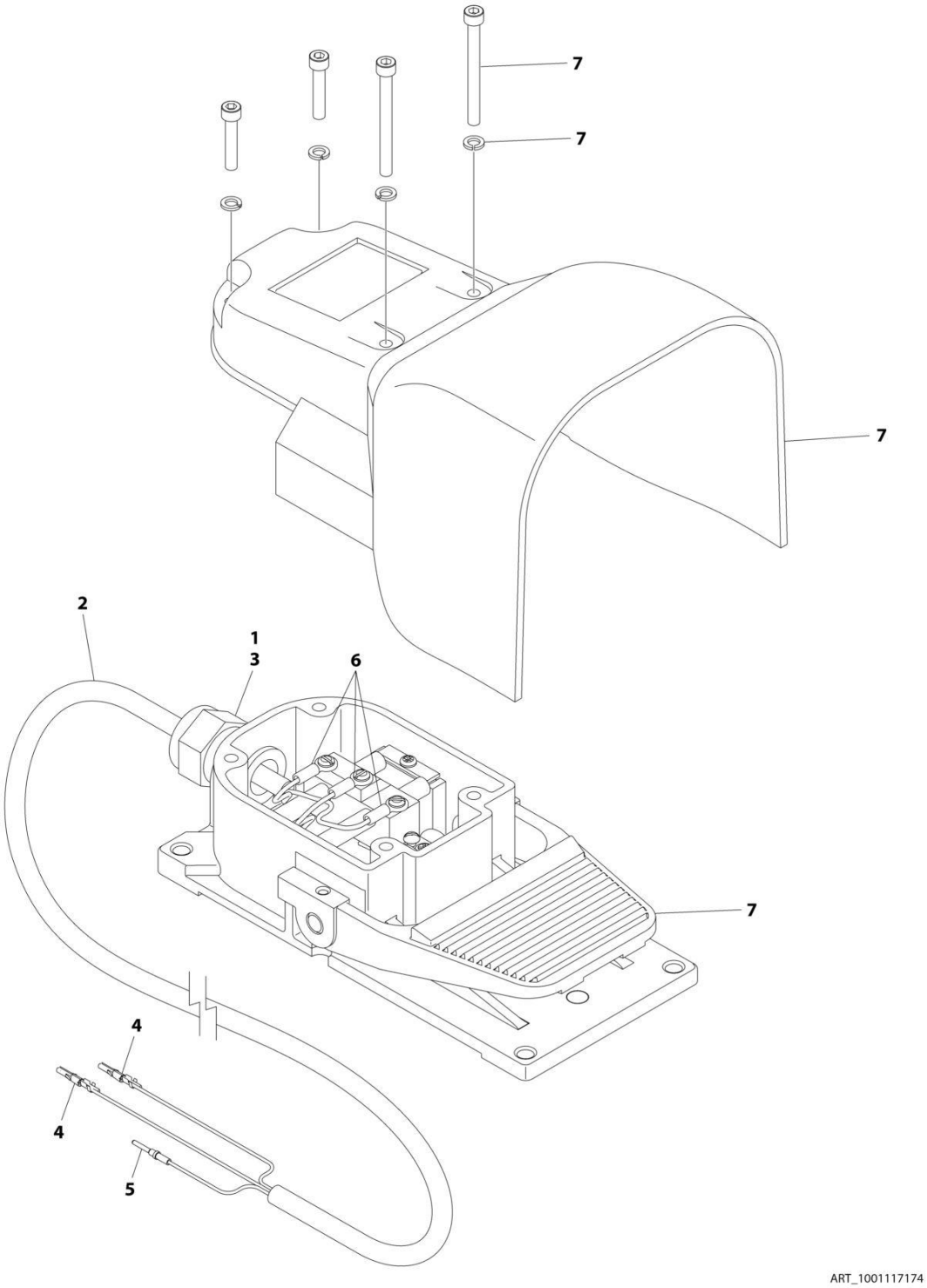


FIGURE 5-18. FOOTSWITCH ASSEMBLY

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 5-19. LIGHT PANEL INSTALLATION

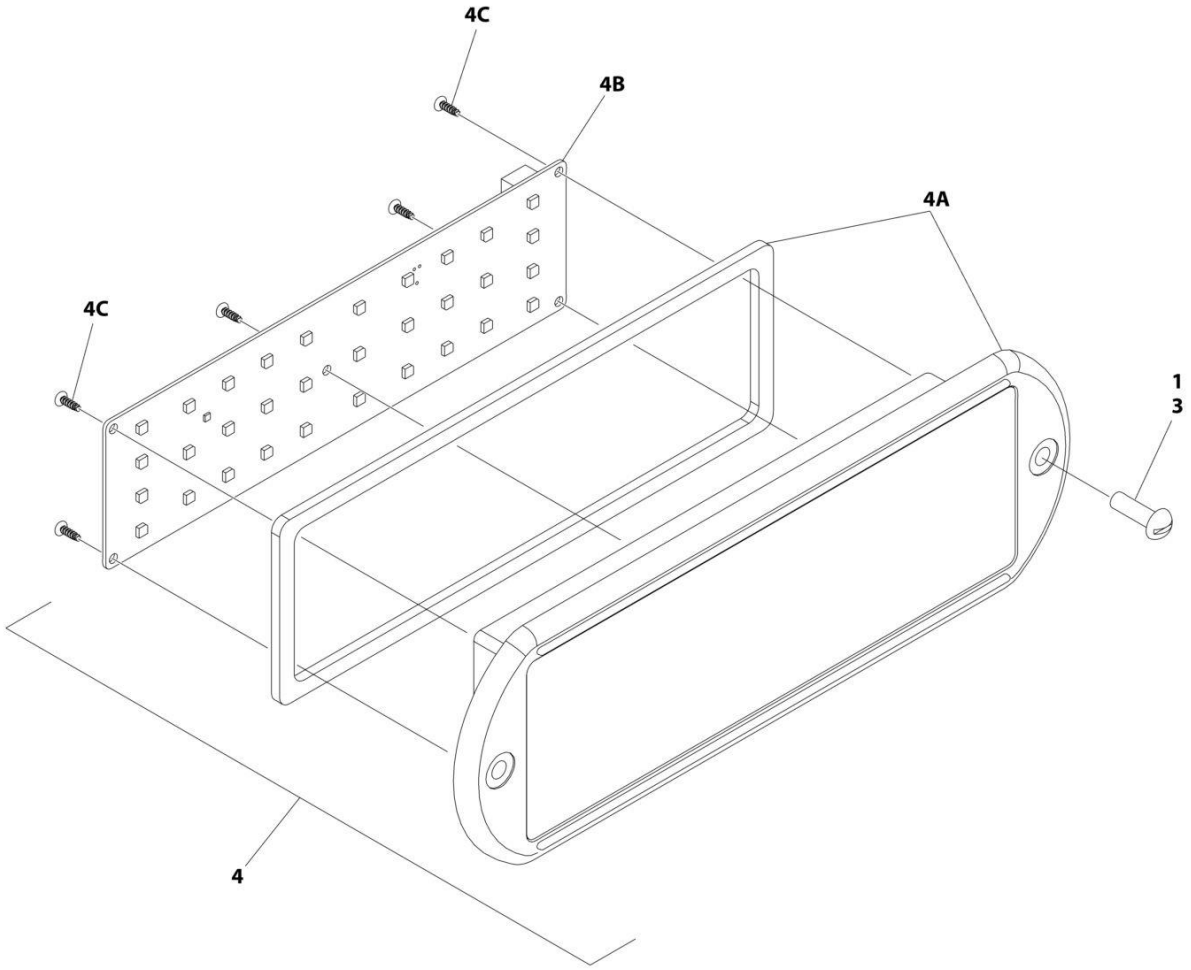


FIGURE 5-19. LIGHT PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233959	Ref	LIGHT PANEL INSTALLATION - PLATFORM CONSOLE	C
1	0100035	AR	Compound, Locking	
3	0630518	2	Screw #10 x 3/4	
4	1001237544	1	Light Panel Assembly	
4A	1001236087	1	Lens, I-Con (Includes Gasket)	
4B	1001187807	1	Panel, LED Light	
4C		Ref	Screw	

FIGURE 5-20. PIPE RACK INSTALLATION

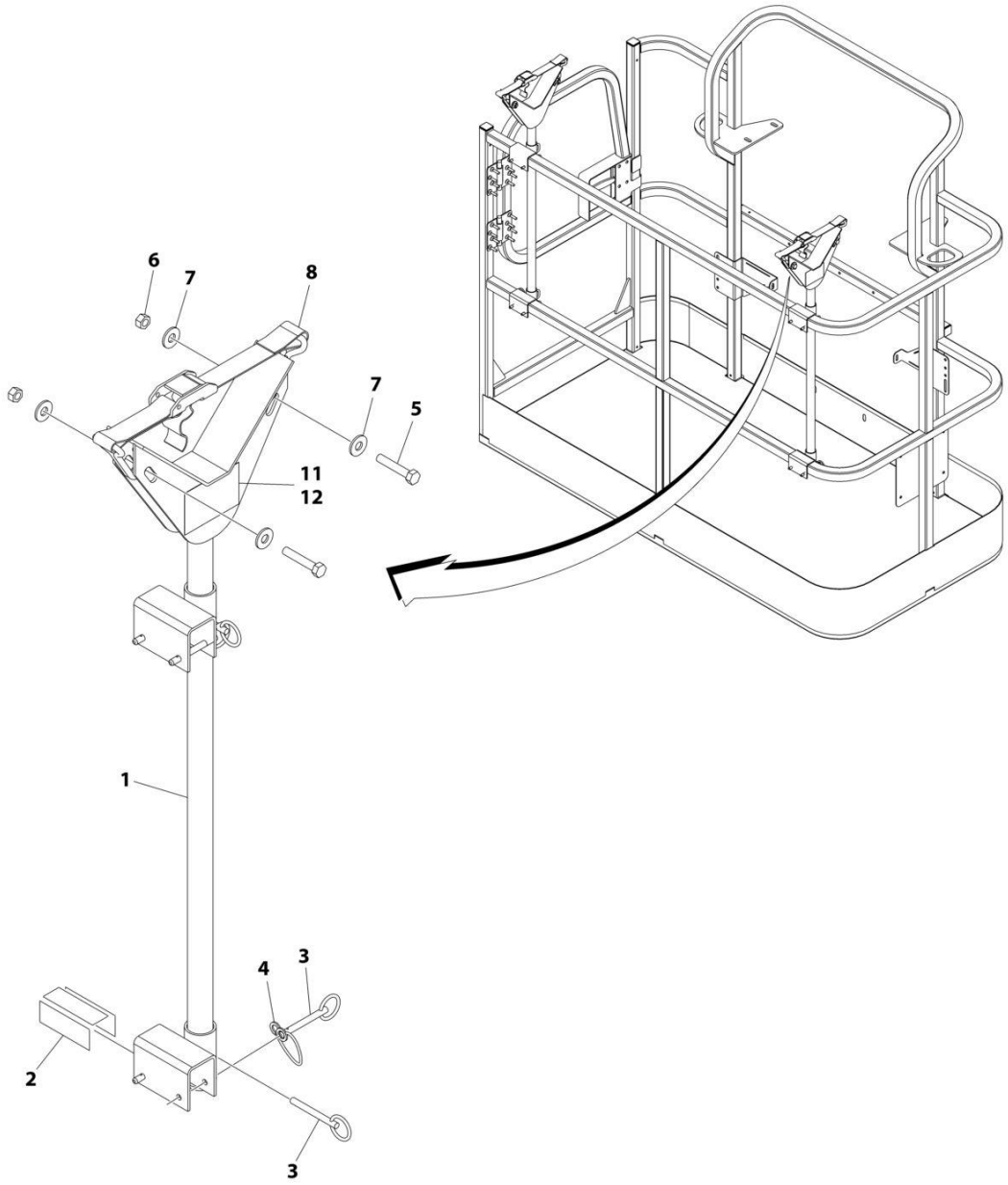


FIGURE 5-20. PIPE RACK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0257728	Ref	PIPE RACK INSTALLATION	E
1	4845582	2	Rack, Pipe	
2	4420062	AR	Tape	
3	3422661	10	Pin	
4	1060379	4	Lanyard	
5	0641514	4	Bolt 5/16 x 1-3/4	
6	3311505	4	Nut 5/16	
7	4751500	8	Washer 5/16	
8	0480100	2	Tie-Down	
11	1001252946	2	Decal - Capacity (500-600LBS/2227-272KG Zones)	
12	1001252947	2	Decal - Capacity (660-1000LBS/299-454KG Zones)	

SECTION 5 - PLATFORM

FIGURE 5-21. SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM (OPTIONAL)

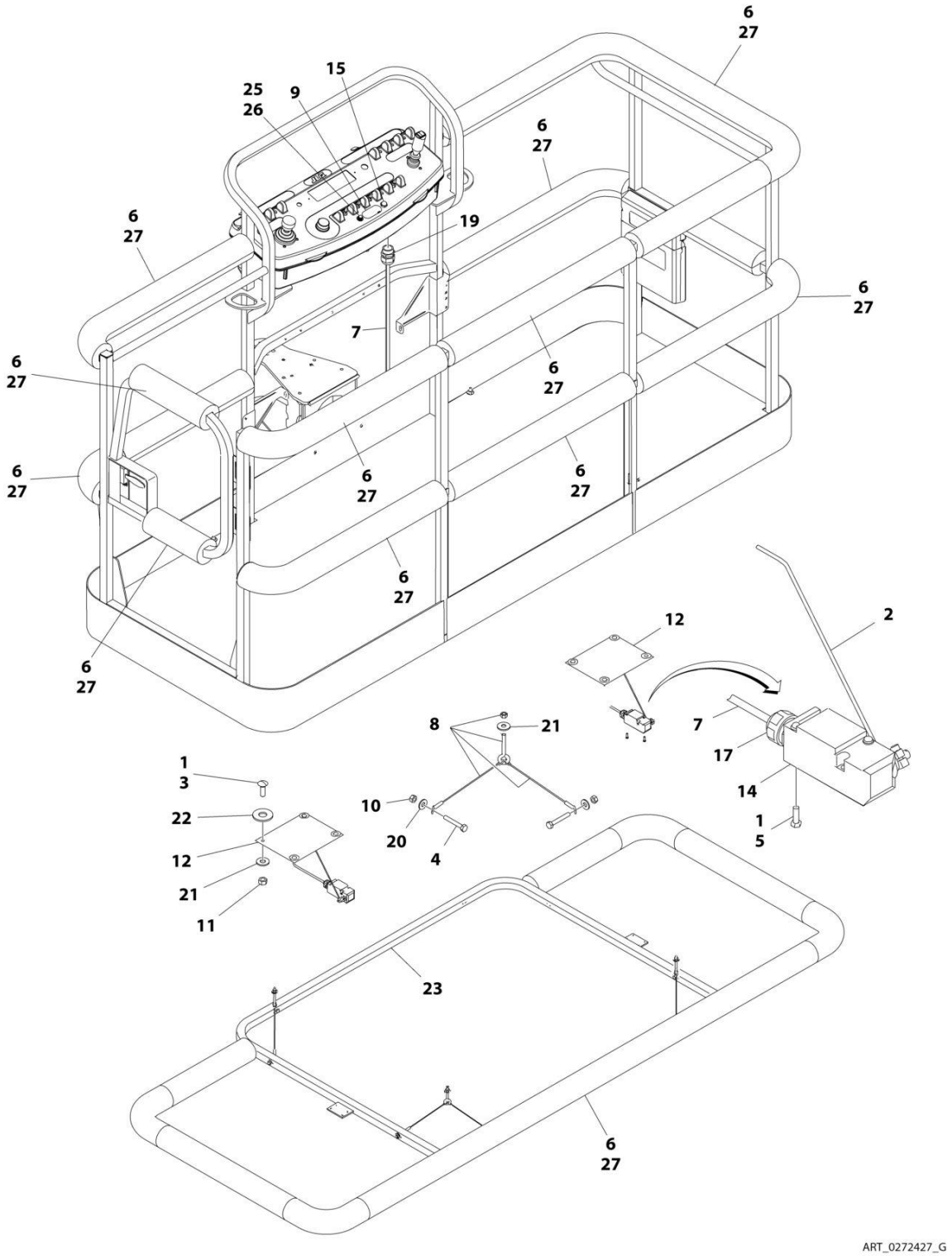


FIGURE 5-21. SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM (OPTIONAL)

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

FIGURE 5-22. SKYGUARD SYSTEM INSTALLATION

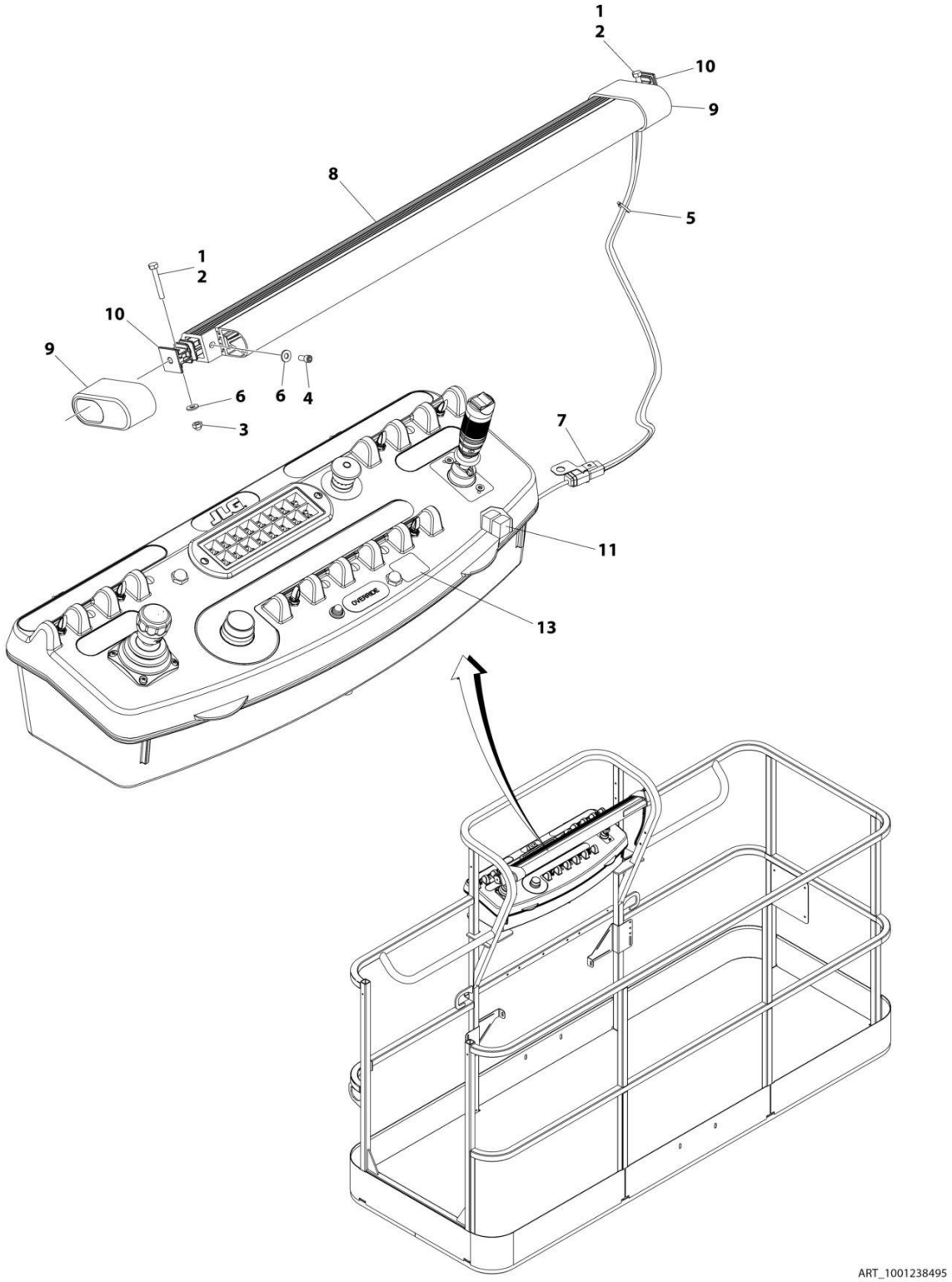


FIGURE 5-22. SKYGUARD SYSTEM INSTALLATION

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

FIGURE 5-23. SKYGLAZIER INSTALLATION

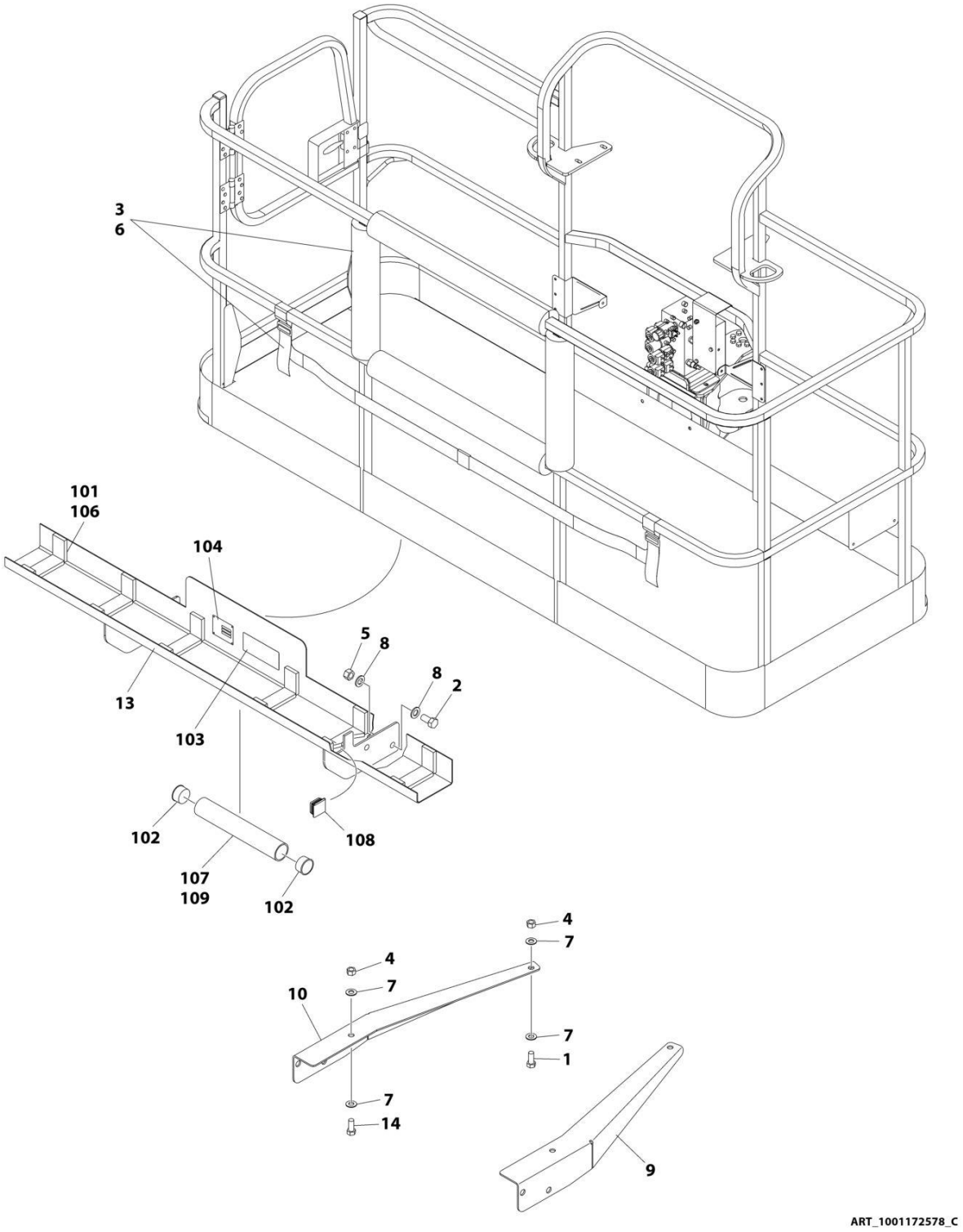


FIGURE 5-23. SKYGLAZIER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172578	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	1	Nut 5/8	
5	3312205	4	Nut 3/4	
6	4420014	AR	Tape	
7	4712000	6	Washer 5/8	
8	4712200	8	Washer 3/4	
9	1001099366	1	Support	
10	1001099367	1	Support	
13	1001172577	1	Tray Assembly (See Items 101-109 for Breakdown)	
14	8310129	2	Bolt 3/4 x 2-1/2	
	1001172577	Ref	TRAY ASSEMBLY	C
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	

FIGURE 5-24. SKYWELDER INSTALLATION (50HZ)

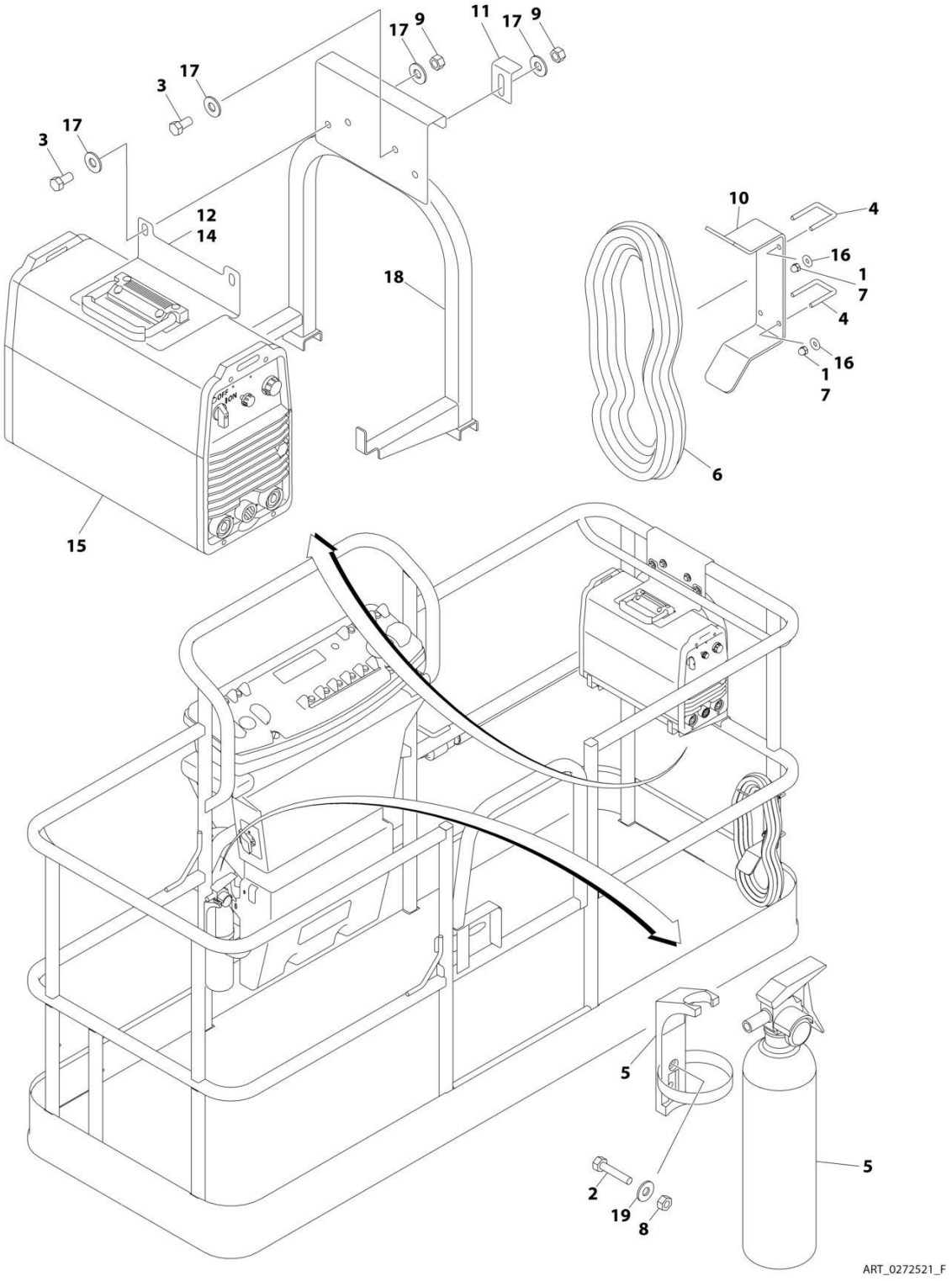


FIGURE 5-24. SKYWELDER INSTALLATION (50HZ)

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

SECTION 5 - PLATFORM

FIGURE 5-25. SKYWELDER INSTALLATION (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

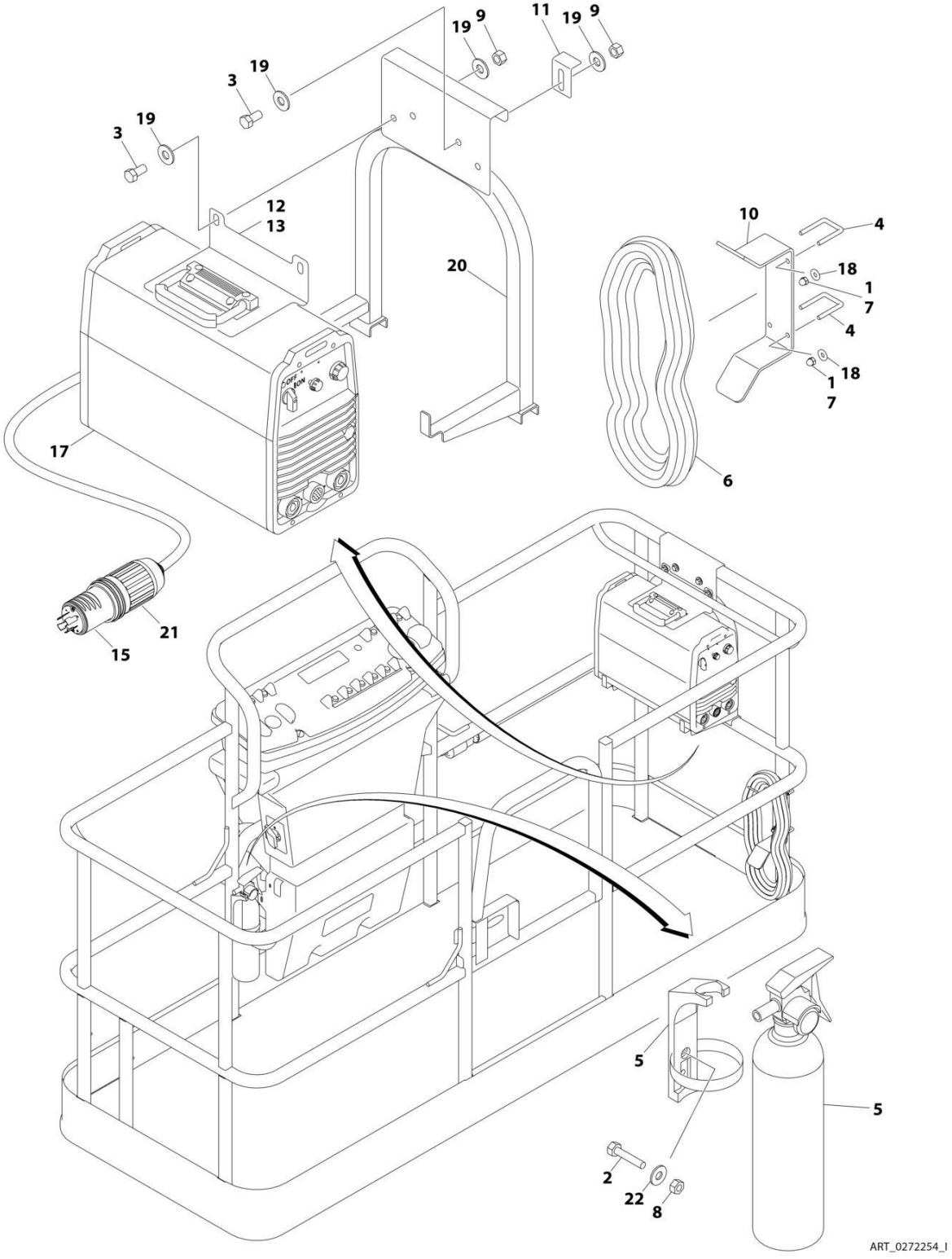


FIGURE 5-25. SKYWELDER INSTALLATION (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

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

FIGURE 5-26. SKYWELDER PREP PACKAGE (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

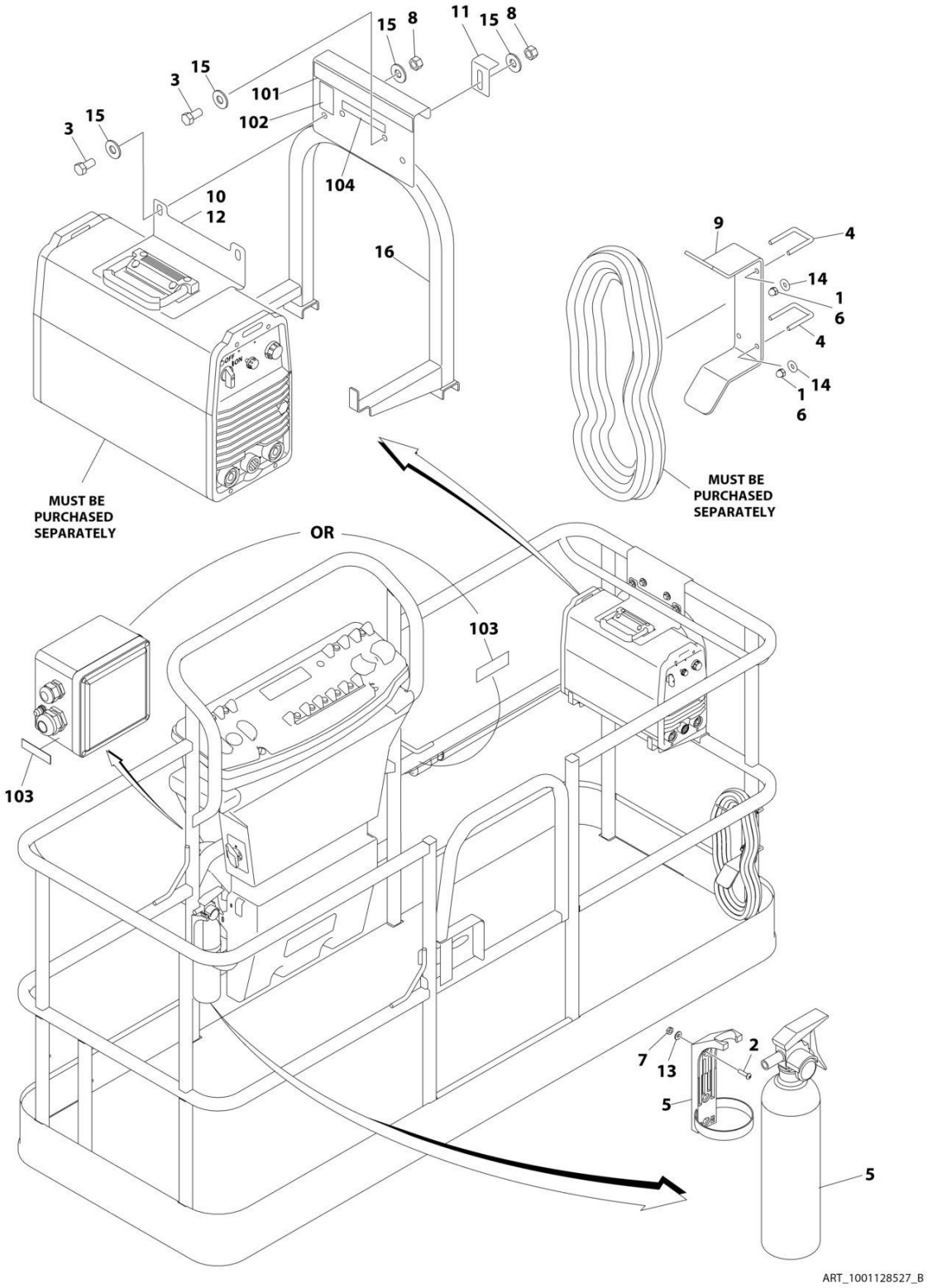


FIGURE 5-26. SKYWELDER PREP PACKAGE (60HZ) (ANSI, ANSI EXPORT, CSA AND JAPAN SPECS)

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 5-27. WELDER ASSEMBLY

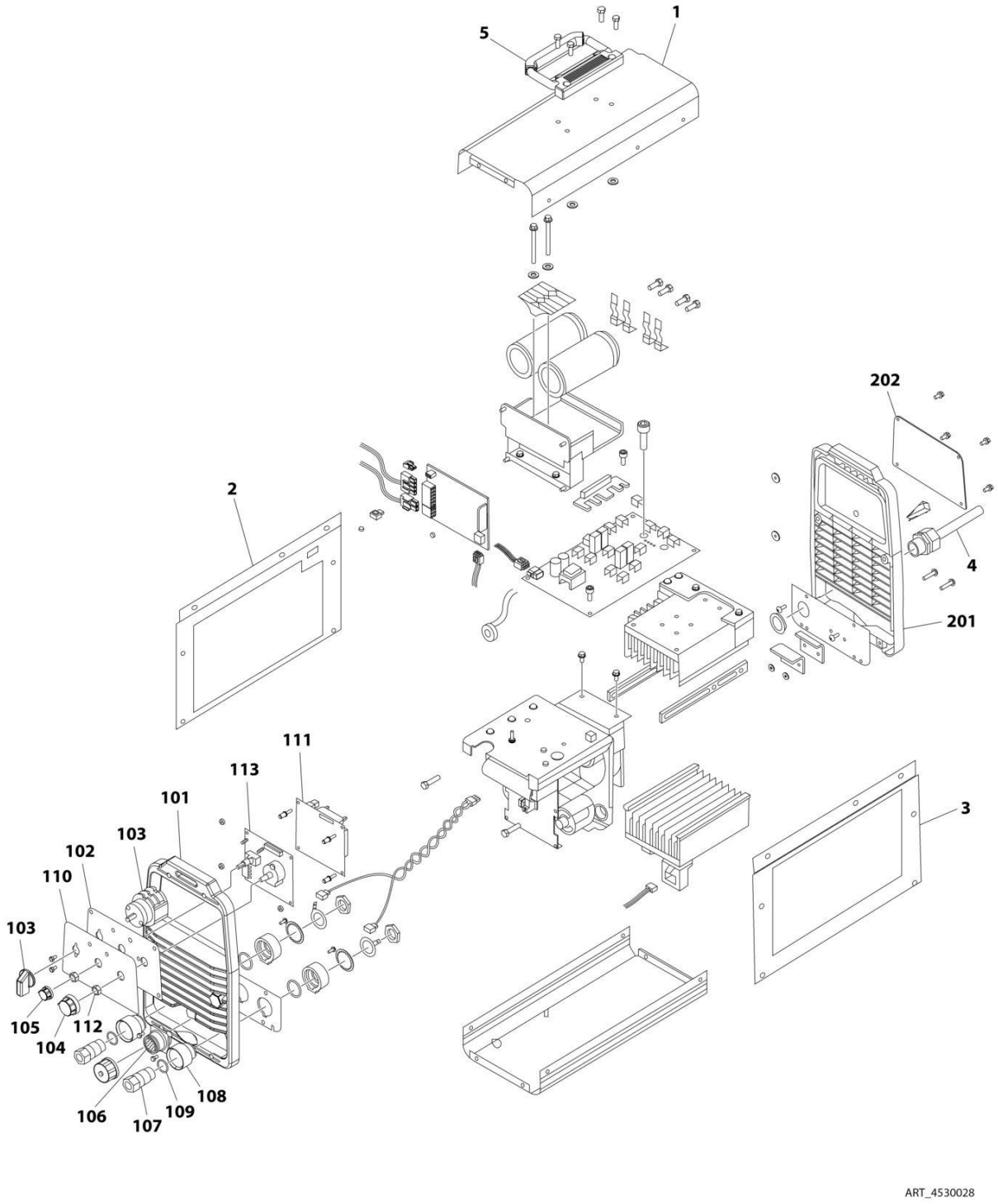


FIGURE 5-27. WELDER ASSEMBLY

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 5-28. SKYEYE INSTALLATION

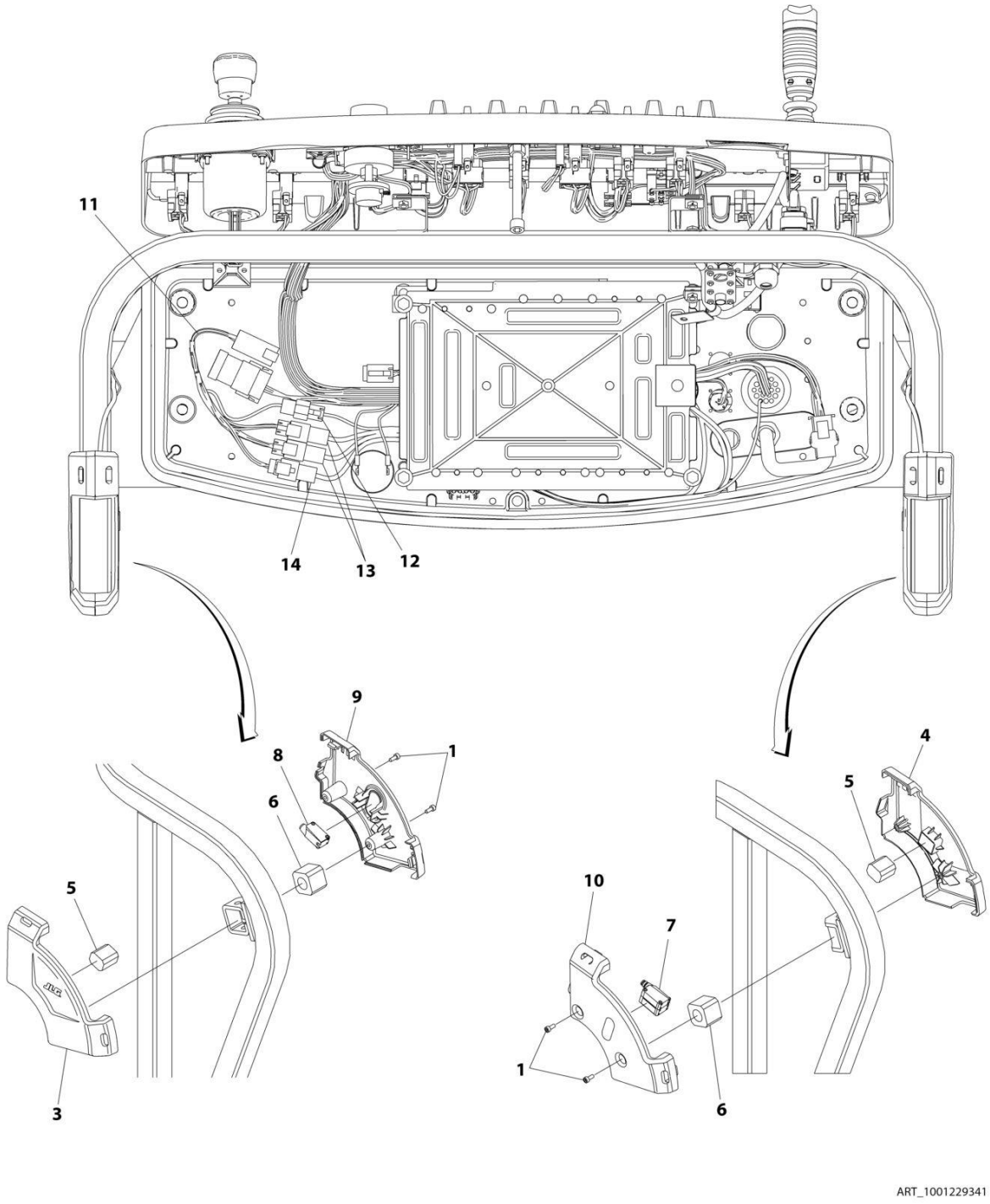


FIGURE 5-28. SKYEYE INSTALLATION

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 5-29. SKYLINE INSTALLATION

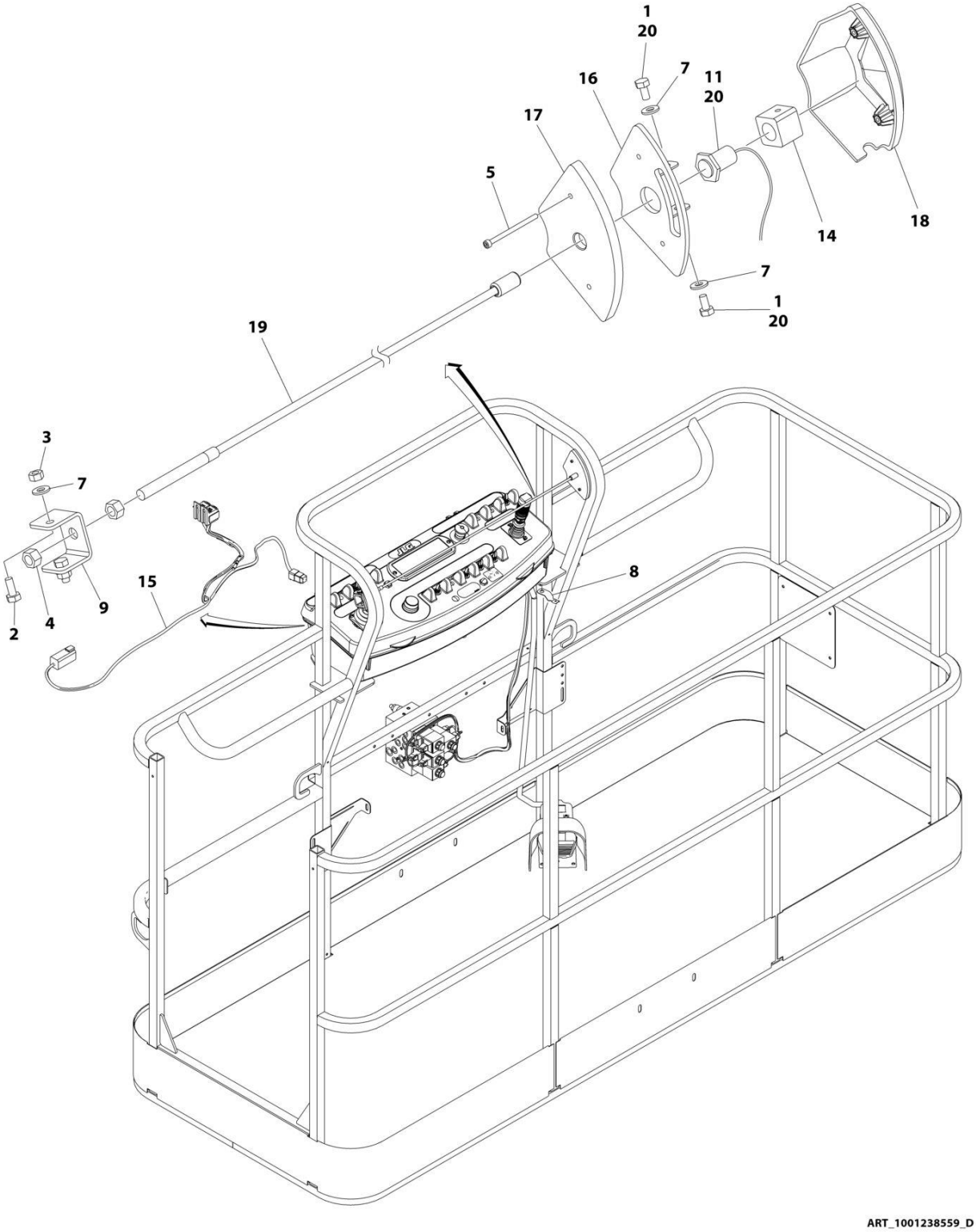


FIGURE 5-29. SKYLINE INSTALLATION

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	
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 5-30. SKYSENSE MID TUBE SENSOR ASSEMBLY

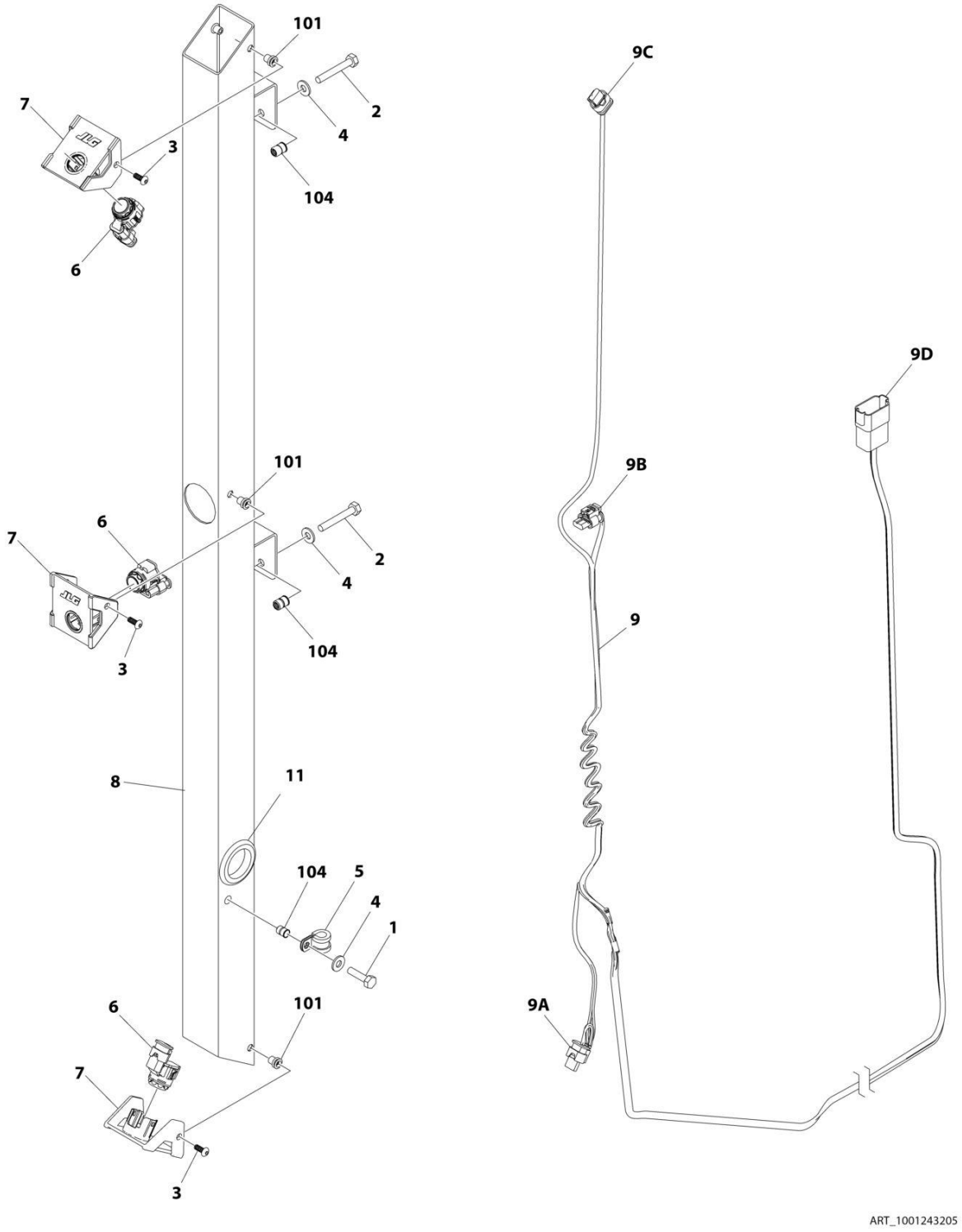


FIGURE 5-30. SKYSENSE MID TUBE SENSOR ASSEMBLY

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

FIGURE 5-31. SKYSENSE OVERHEAD SENSOR ASSEMBLY

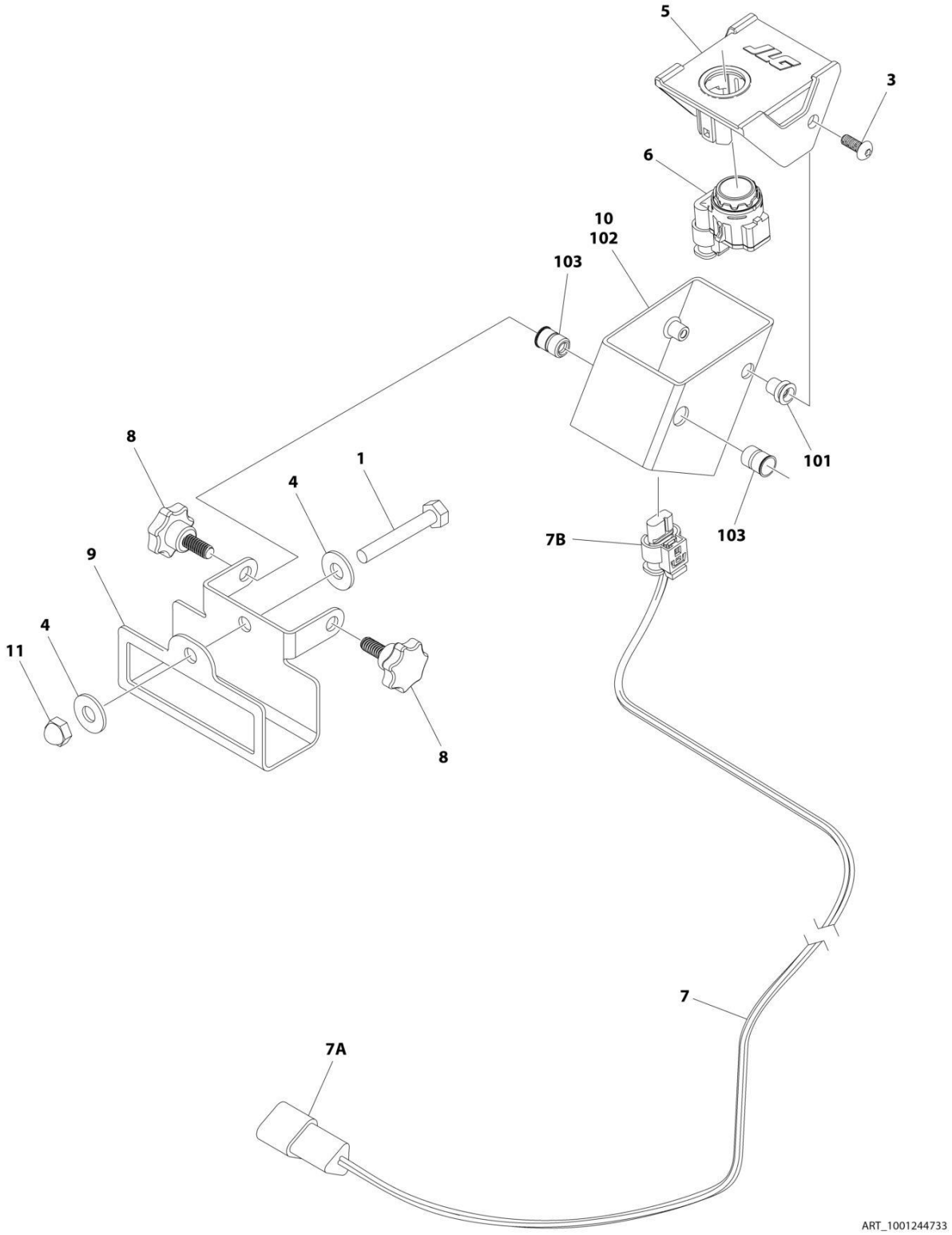


FIGURE 5-31. SKYSENSE OVERHEAD SENSOR ASSEMBLY

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

FIGURE 5-32. TRAY INSTALLATION

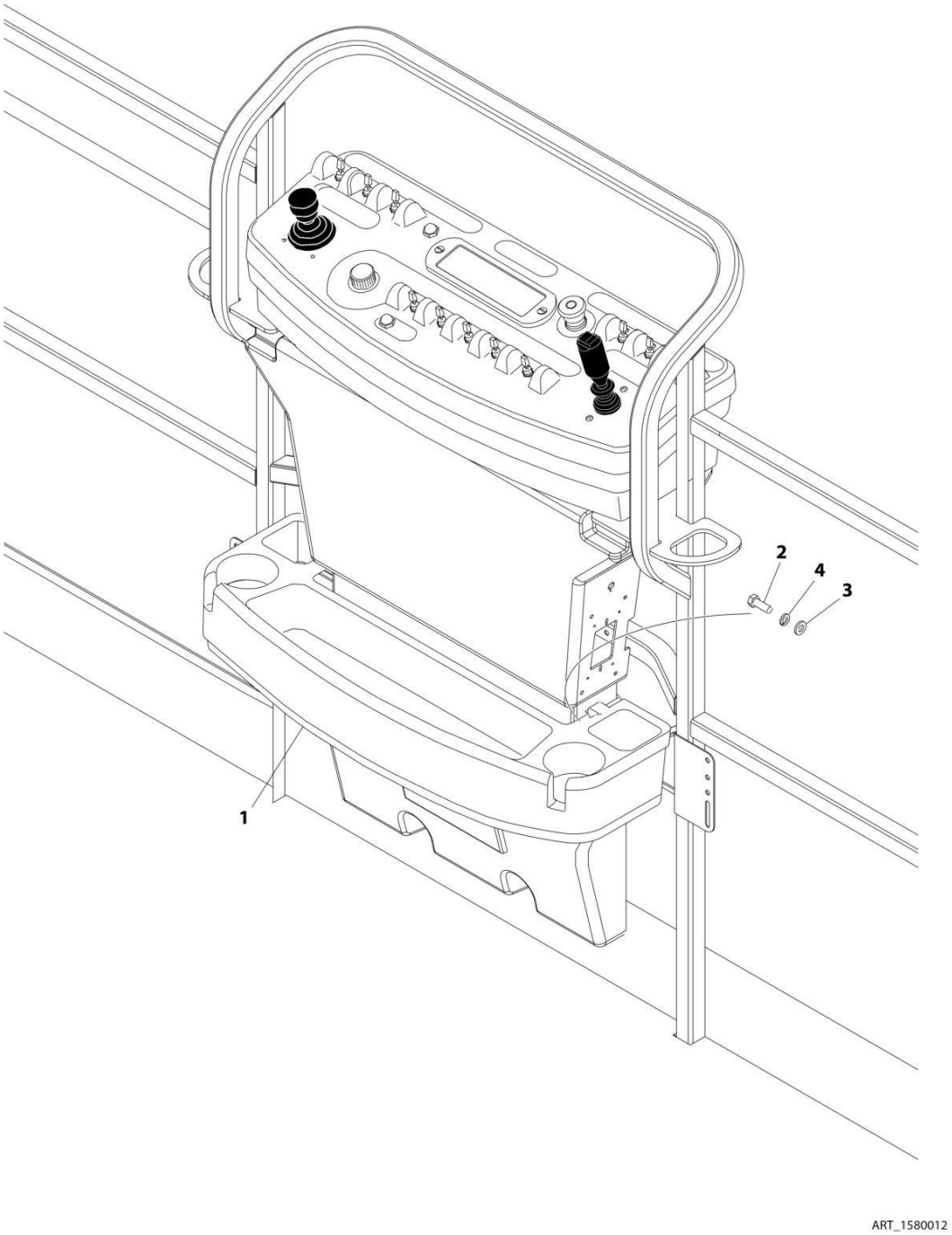


FIGURE 5-32. TRAY INSTALLATION

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

FIGURE 5-33. USB CHARGER INSTALLATION

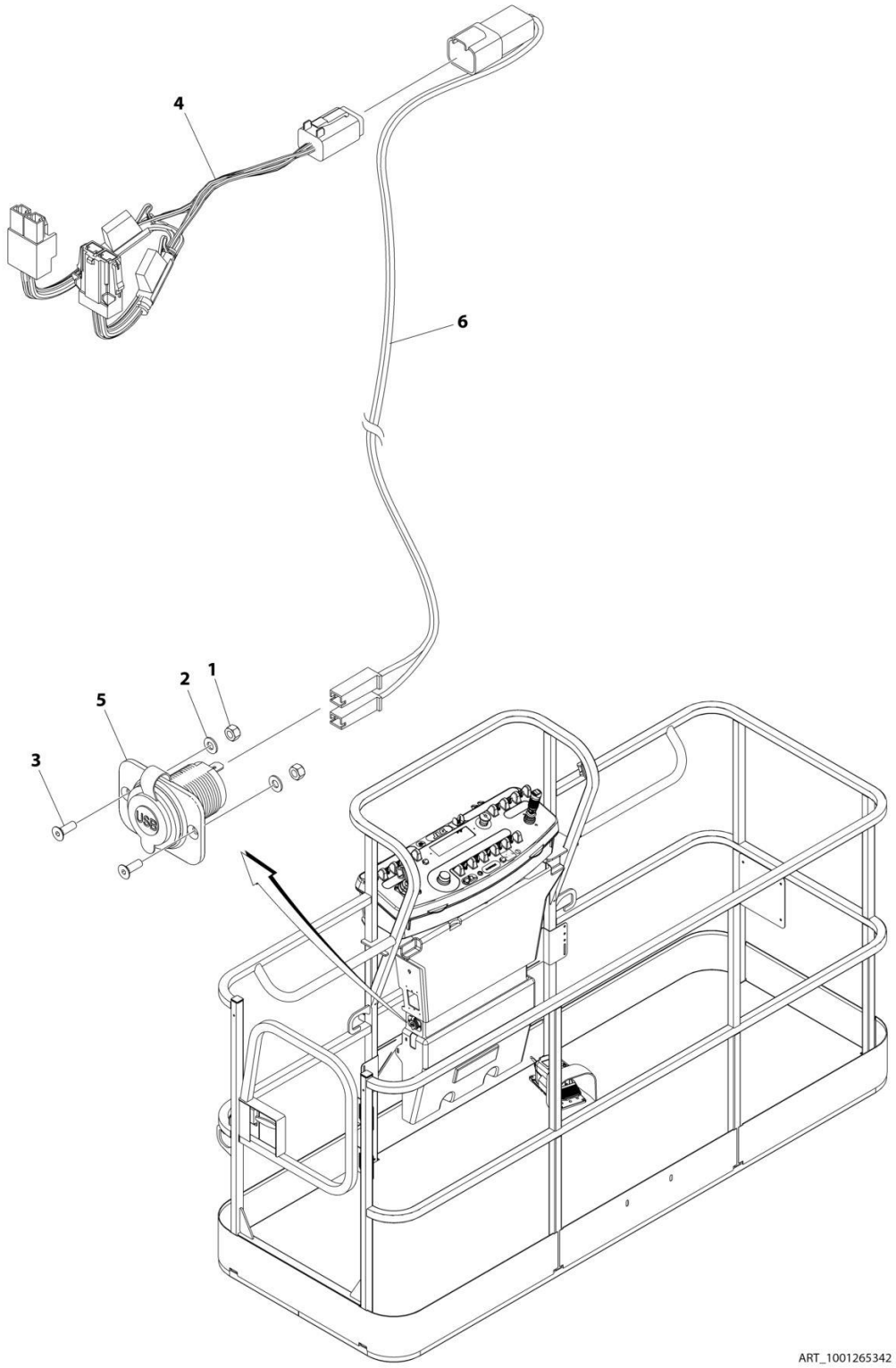


FIGURE 5-33. USB CHARGER INSTALLATION

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

SECTION 6 - CYLINDER

SECTION 6 - CYLINDER

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

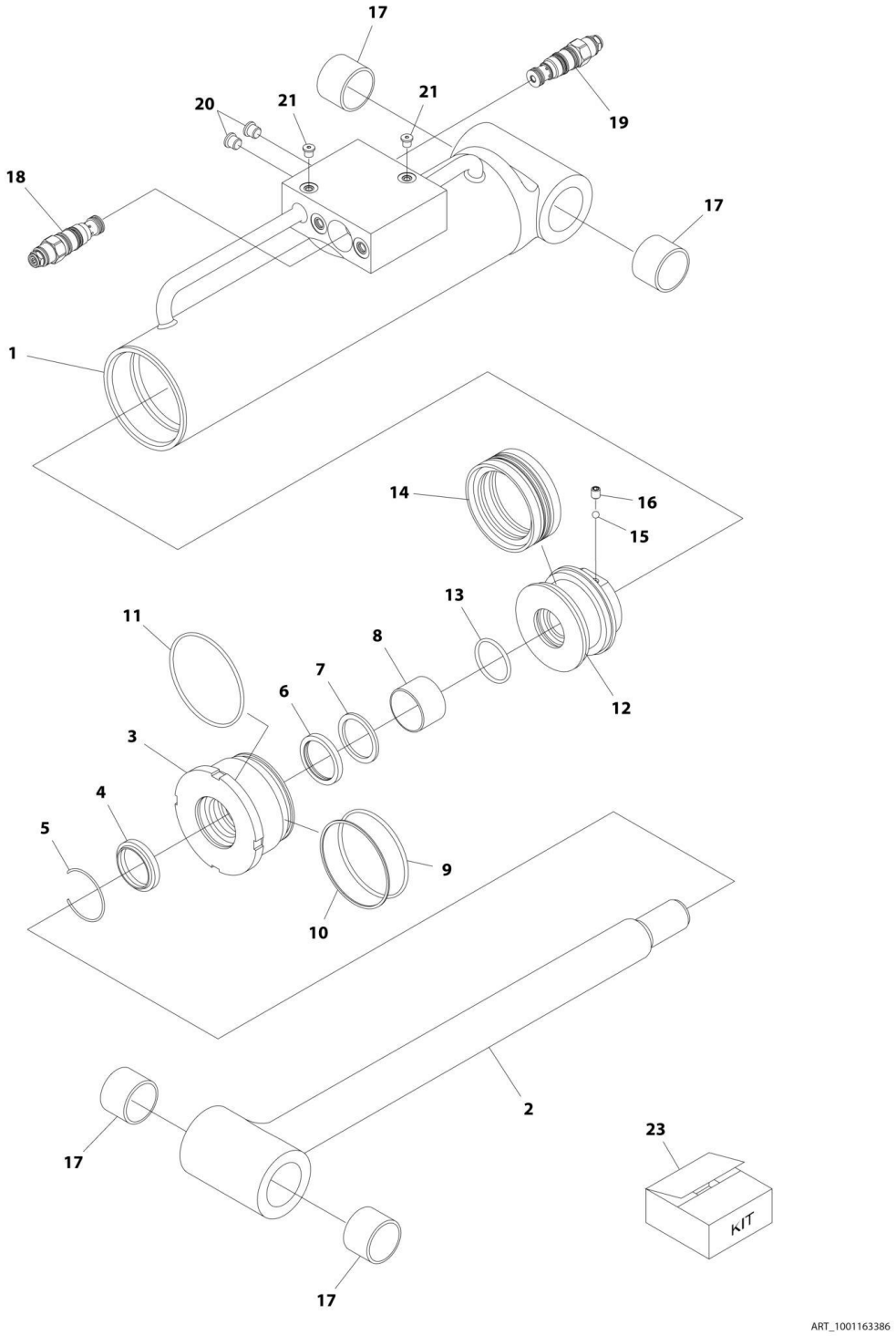


FIGURE 6-1. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY

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

FIGURE 6-2. LIFT CYLINDER ASSEMBLY - MAIN BOOM

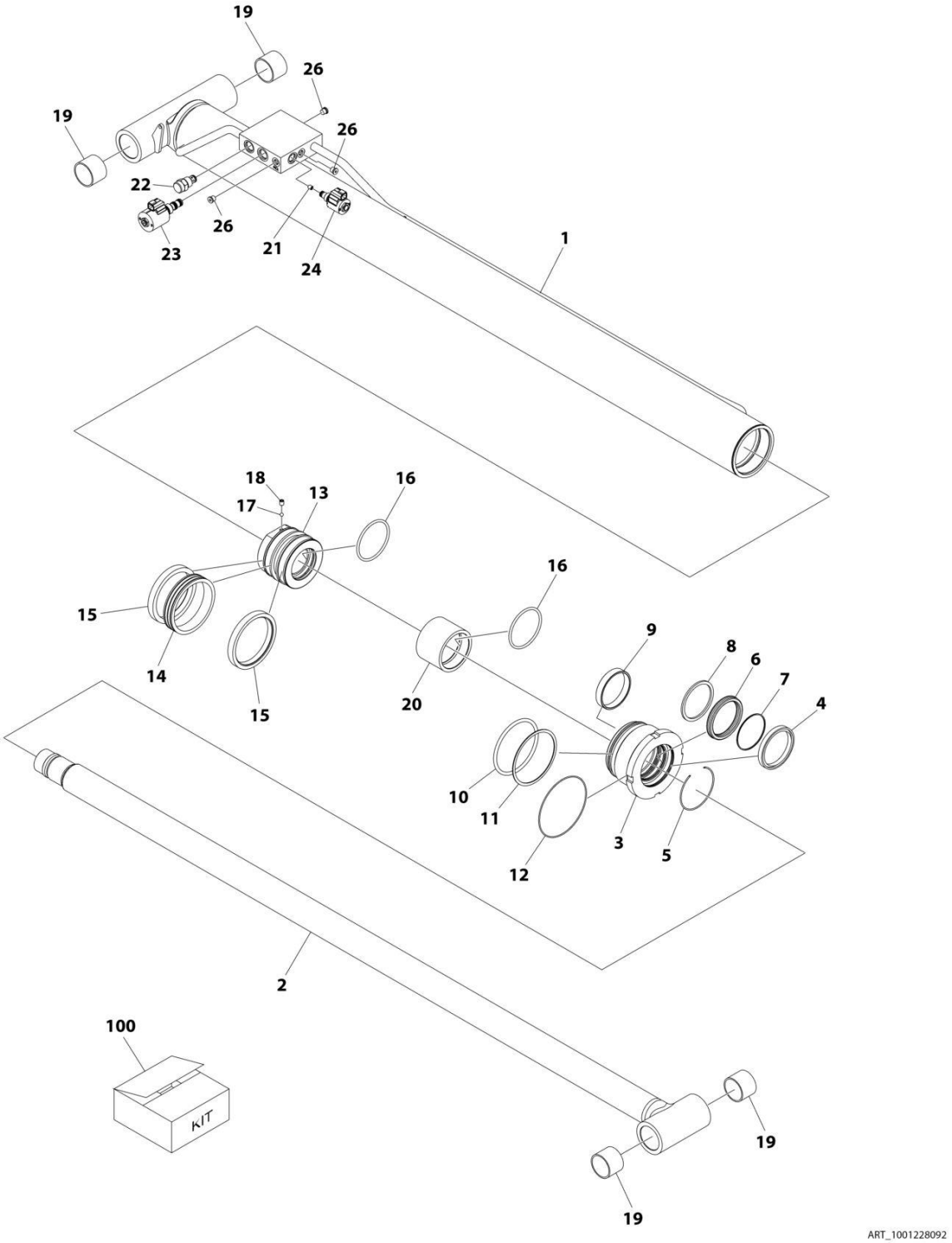


FIGURE 6-2. LIFT CYLINDER ASSEMBLY - MAIN BOOM

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

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

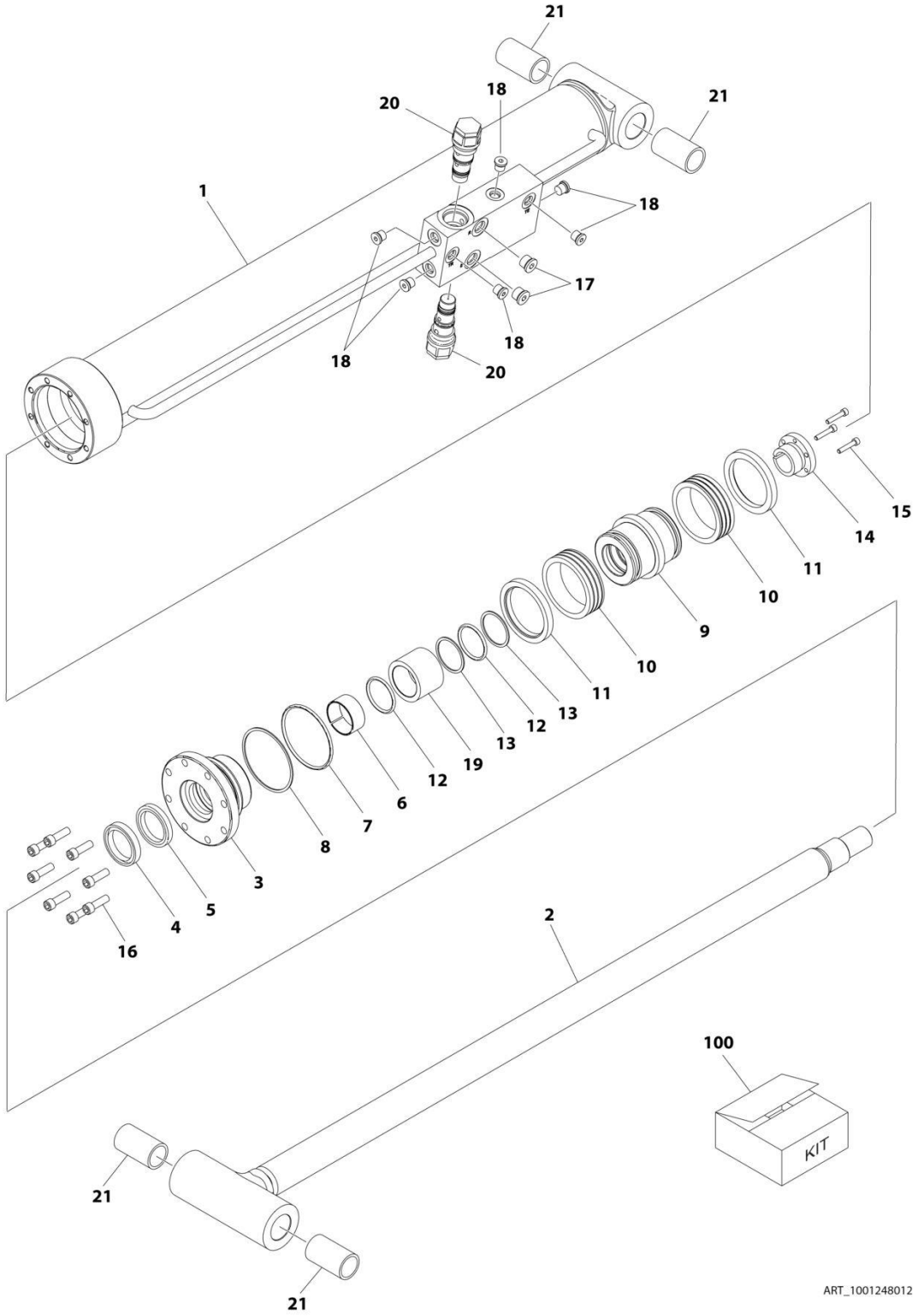


FIGURE 6-3. LIFT CYLINDER ASSEMBLY - JIB - 460SJC

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

FIGURE 6-4. MASTER CYLINDER ASSEMBLY

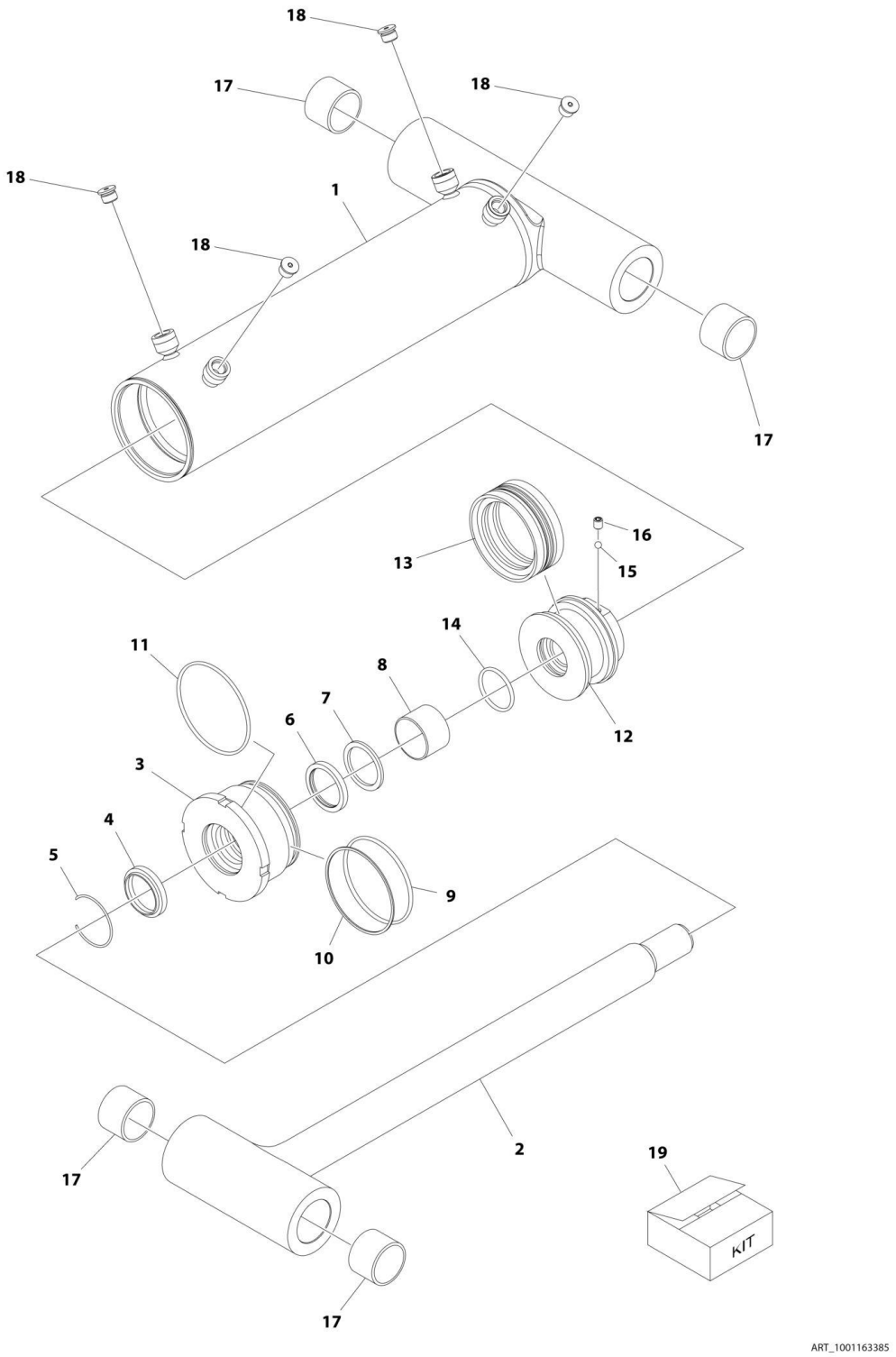


FIGURE 6-4. MASTER CYLINDER ASSEMBLY

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

FIGURE 6-5. TELESCOPE CYLINDER ASSEMBLY

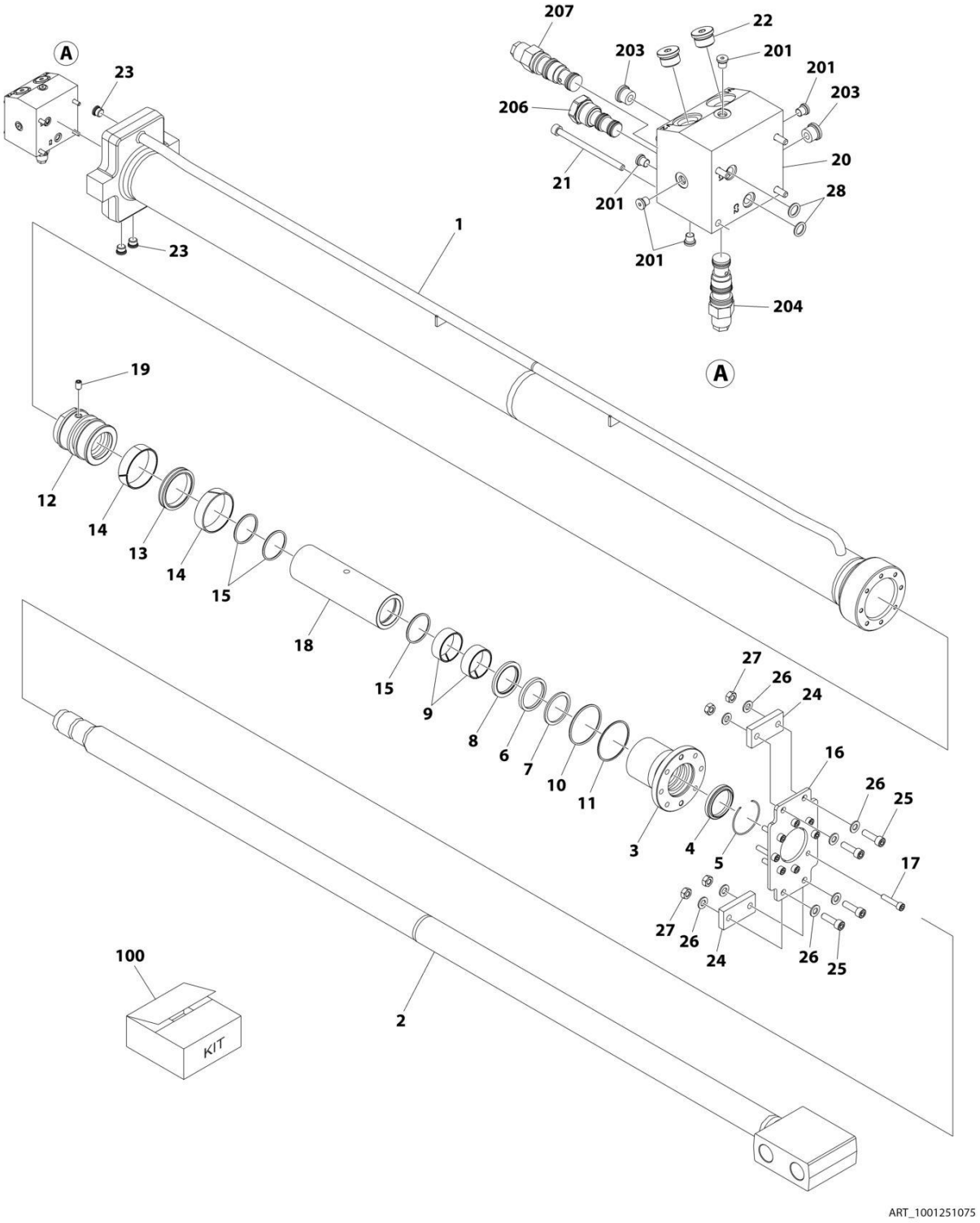
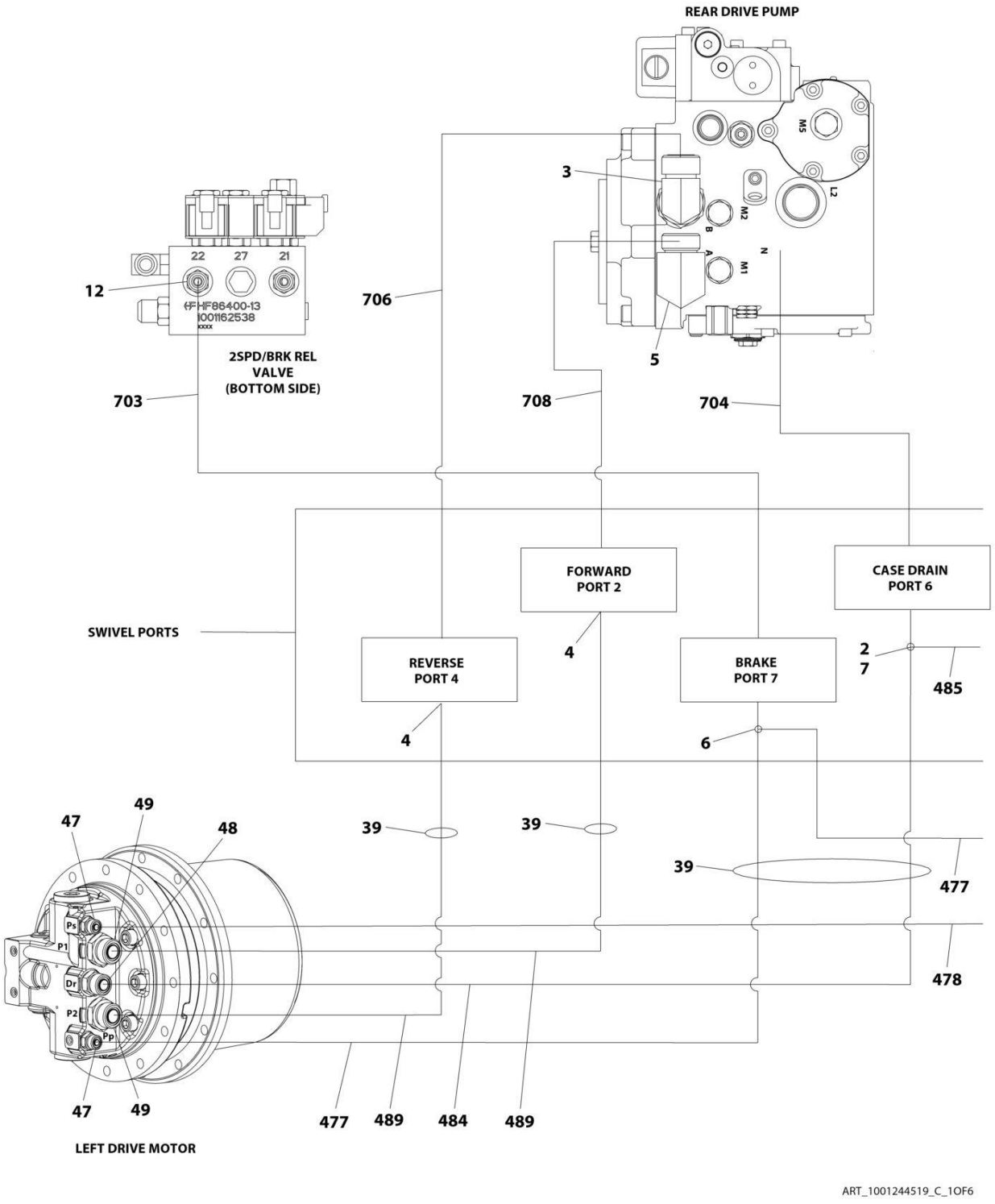


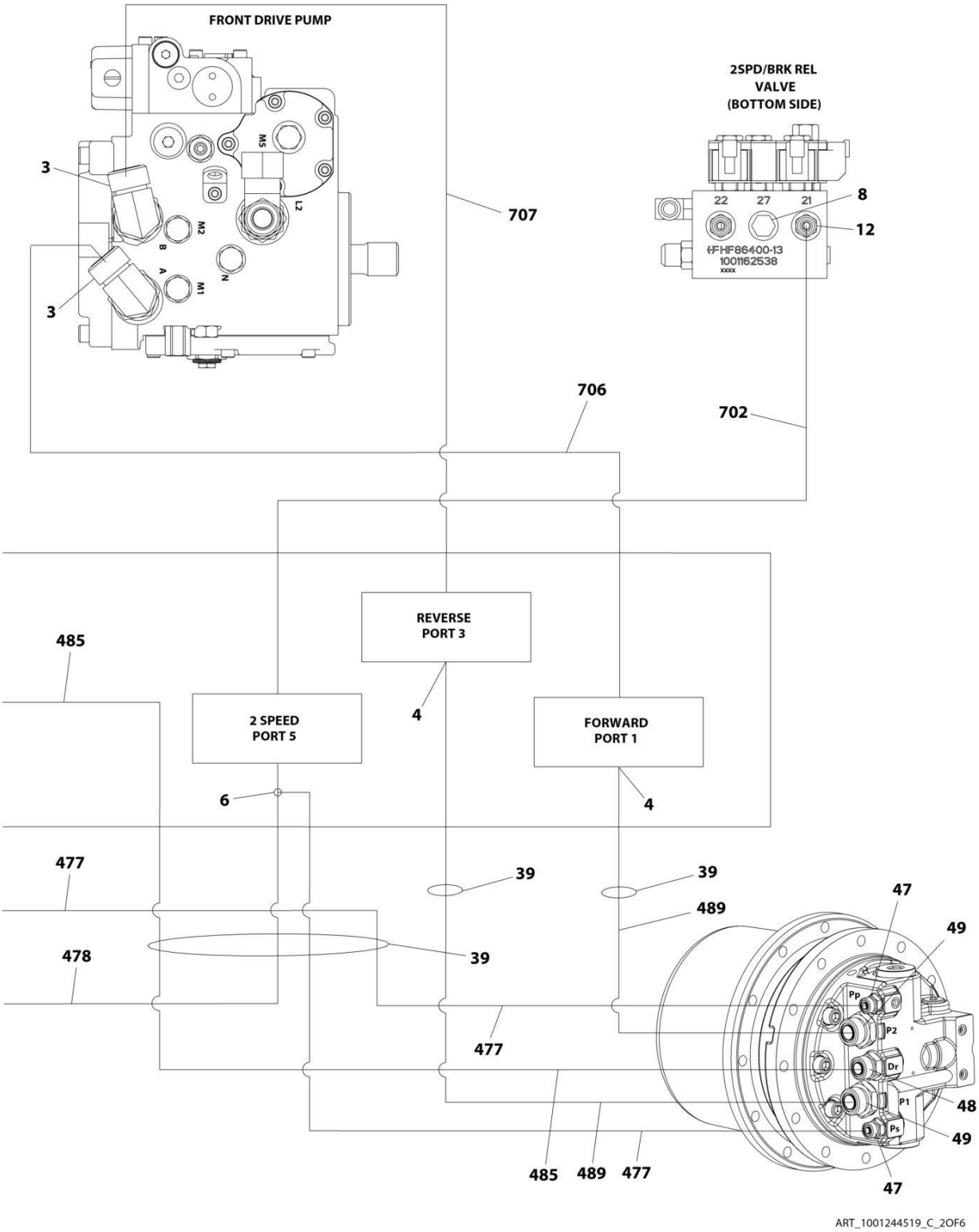
FIGURE 6-5. TELESCOPE CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251075	Ref	TELESCOPE CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Purchase Complete Assembly)	
2	70007062	1	Rod	
3	70007063	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70002412	1	Ring, Retaining	
6	See Note	NSS	Seal (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	See Note	NSS	Ring, Wear (Note: Use Item 100)	
9	See Note	NSS	Ring, Wear (Note: Use Item 100)	
10	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
12	70007064	1	Piston	
13	See Note	NSS	Seal (Note: Use Item 100)	
14	See Note	NSS	Ring, Wear (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	70007065	1	Plate	
17	70007066	8	Capscrew	
18	70007067	1	Spacer	
19	70006817	1	Set Screw	
20	1001166997	1	Valve Block Assembly (See Items 201-207 for Breakdown)	
21	70007068	4	Capscrew	
22	2220886	2	Plug, O-Ring	
23	2220885	3	Plug	
24	70007069	2	Pad, Wear	
25	70007070	4	Bolt	
26	70006344	8	Washer	
27	70007071	4	Nut	
28	See Note	NSS	O-Ring (Note: Use Item 100)	
100	70007072	1	Seal Kit - 1001251075 Cylinder (Includes Items 4, 6-11, 13-15 & 28)	
	1001166997	Ref	VALVE BLOCK ASSEMBLY	
201	2220881	5	Plug	
203	2220885	2	Plug	
204	4640452	1	Cartridge, Counterbalance Valve	
204	2900770	1	Seal Kit - 4640452 Valve	
206	1001165363	1	Cartridge, Shuttle Valve	
206	7012518	1	Seal Kit - 1001165363 Valve	
207	1001168209	1	Cartridge, Counterbalance Valve	
207	2900770	1	Seal Kit - 1001168209 Valve	

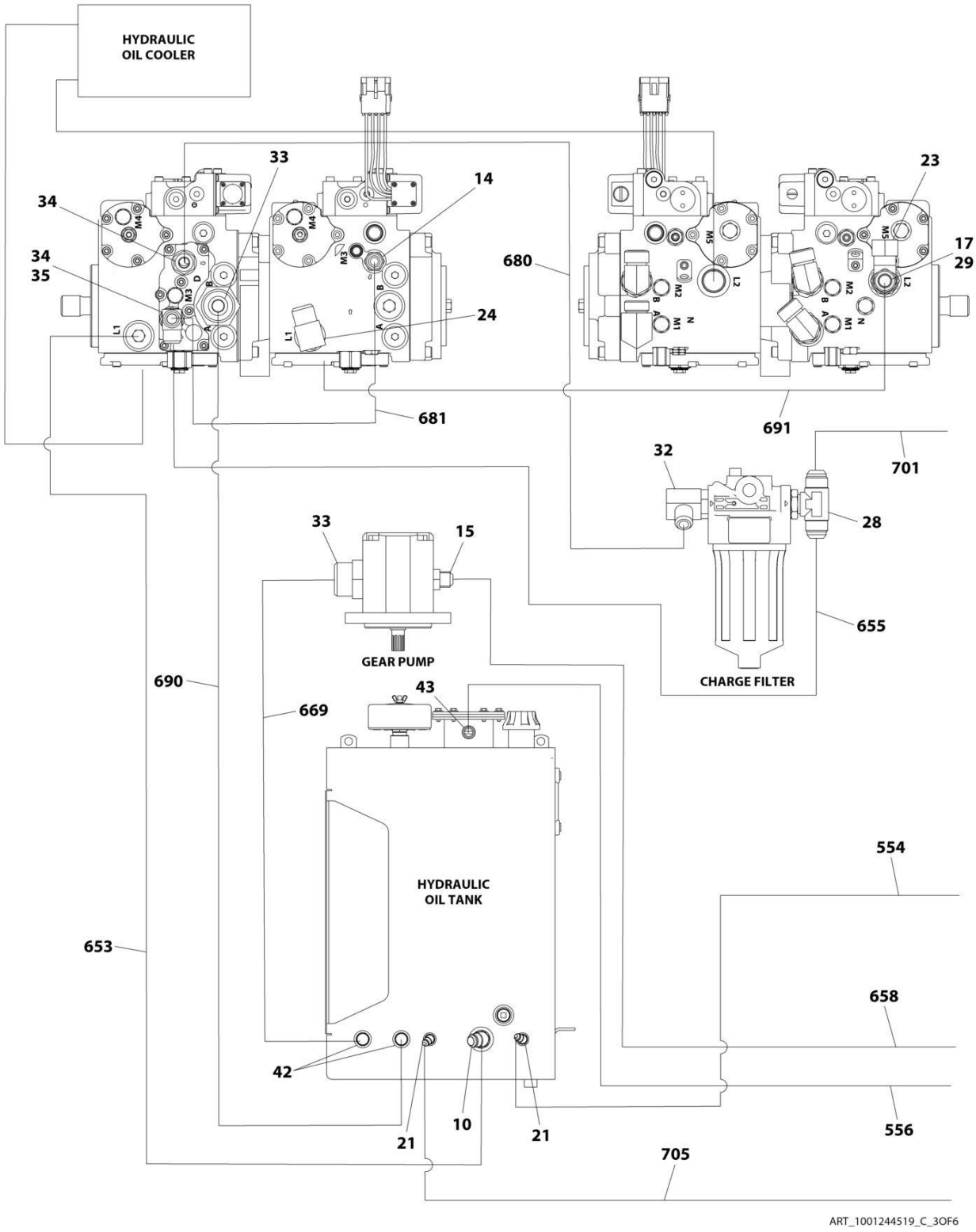
SECTION 7 - HYDRAULIC

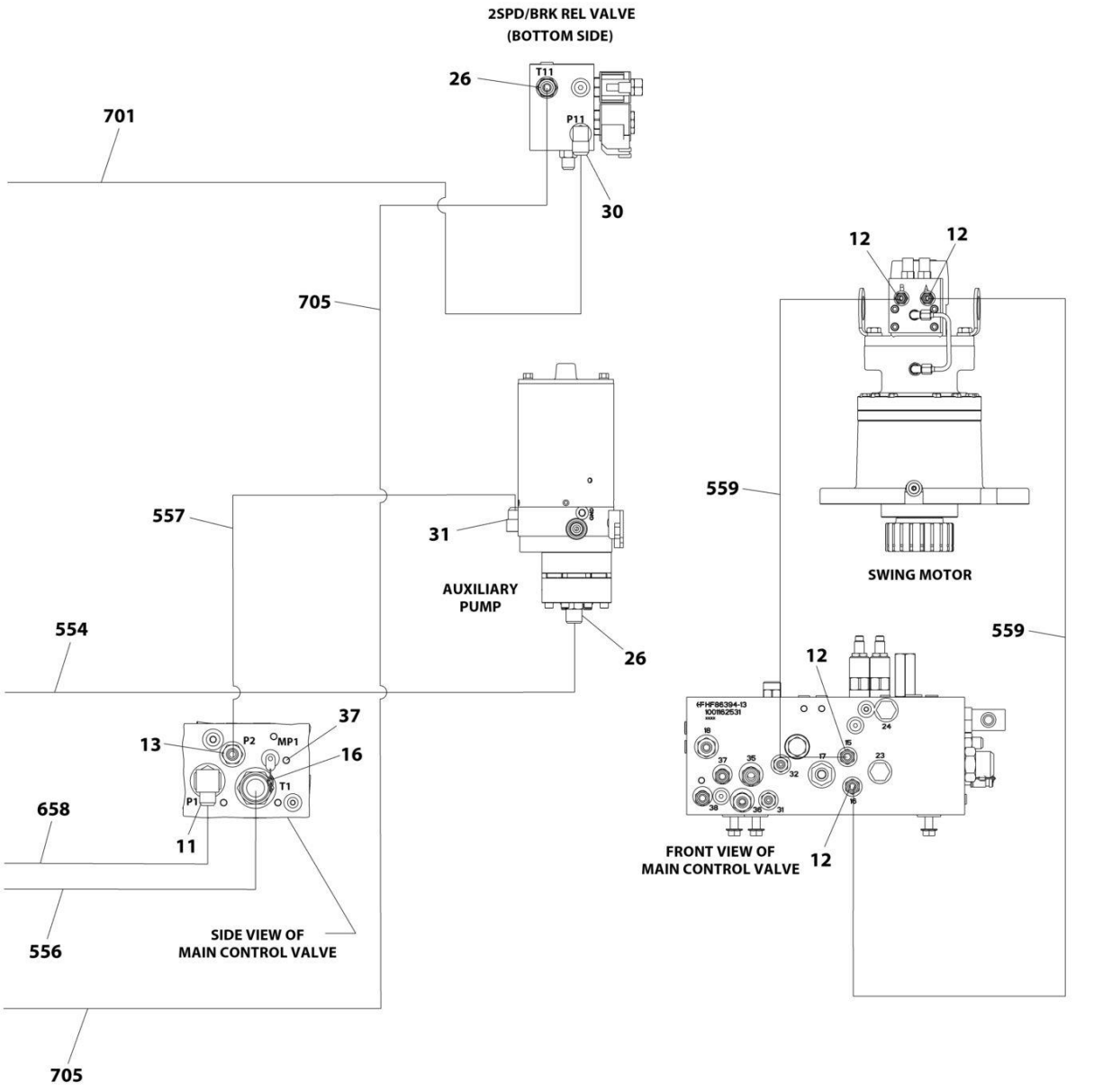
FIGURE 7-1. HYDRAULIC DIAGRAM - 400SC



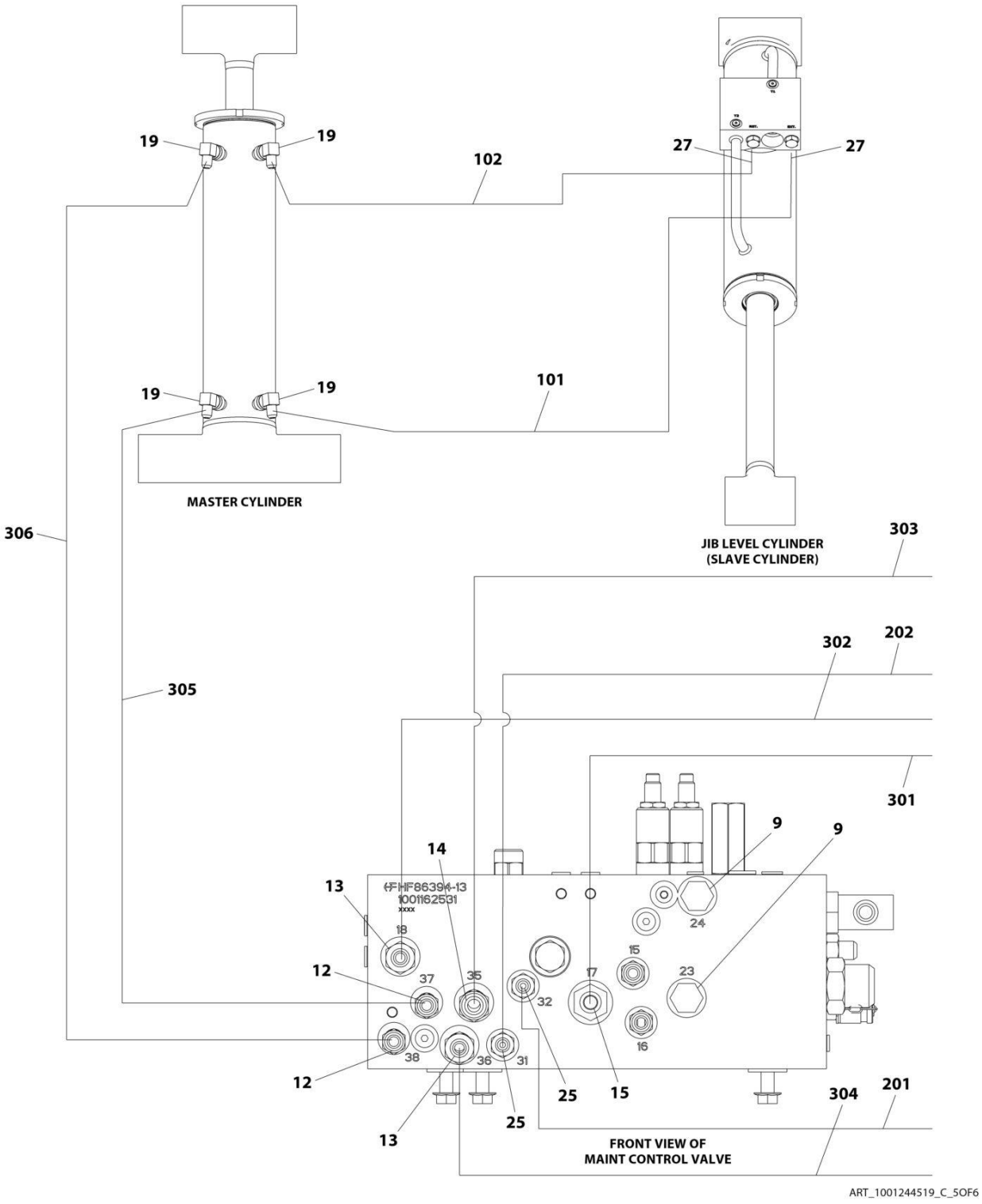

FRONT DRIVE PUMP
M5
L7
M2
B
A
M1
N
3
3
707
2SPD/BRK REL
VALVE
(BOTTOM SIDE)
22
27
21
8
12
(-)HF86400-13
1001162538
xxxx
706
702
REVERSE
PORT 3
4
485
2 SPEED
PORT 5
6
FORWARD
PORT 1
4
477
39
39
47
489
49
478
39
Pp
P2
Dr
P1
Ps
48
49
477
485
489
477
47
ART_1001244519_C_2OF6

SECTION 7 - HYDRAULIC





ART_1001244519_C_4OF6


19
19
102
27
27
19
19
101
MASTER CYLINDER
306
JIB LEVEL CYLINDER
(SLAVE CYLINDER)
303
302
202
305
301
9
9
14
13
(FHF86394-13
1001162531
xxxx
18
24
15
12
37
35
17
23
32
38
36
31
16
12
25
15
304
201
25
13
FRONT VIEW OF
MAINT CONTROL VALVE
ART_1001244519_C_5OF6

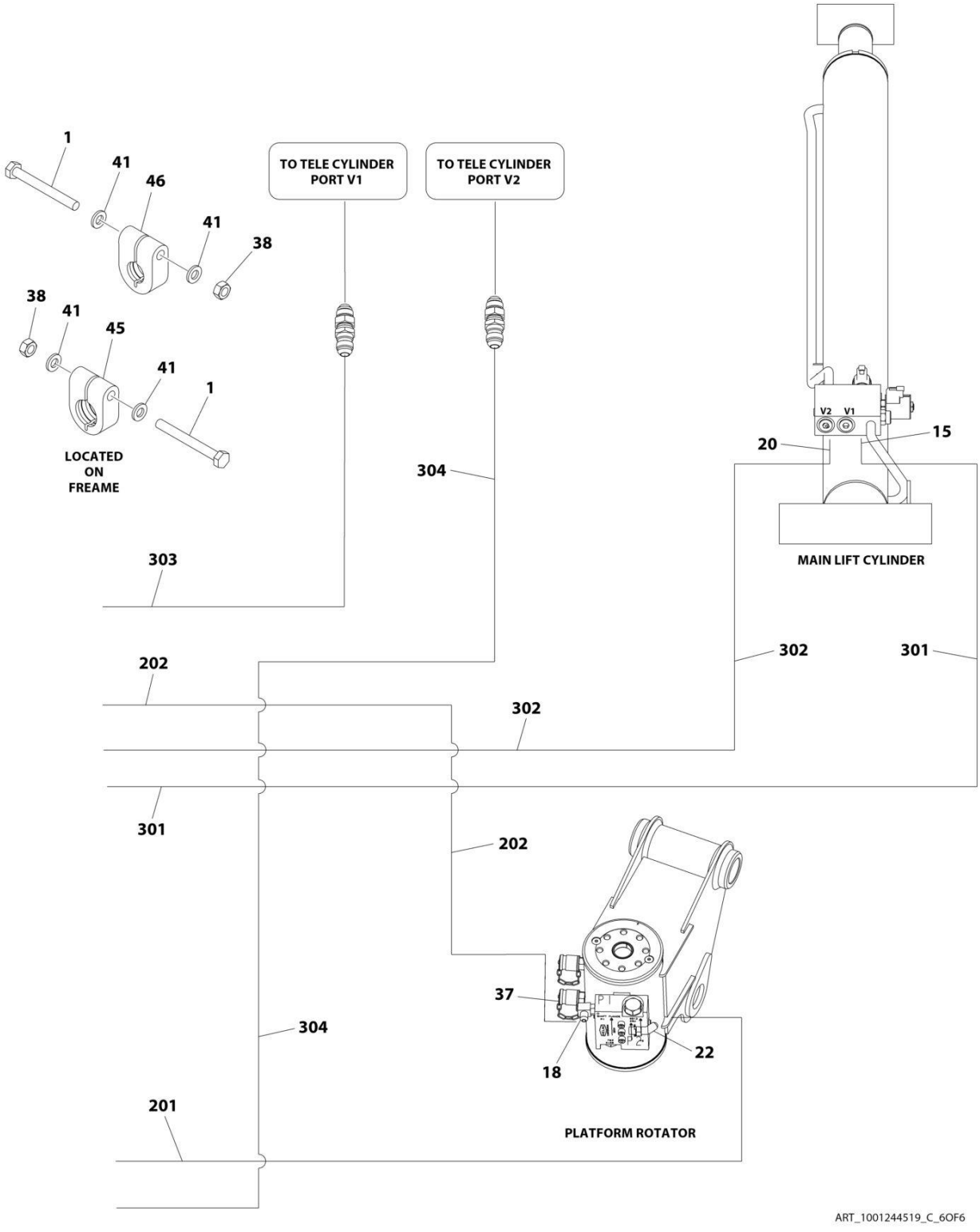
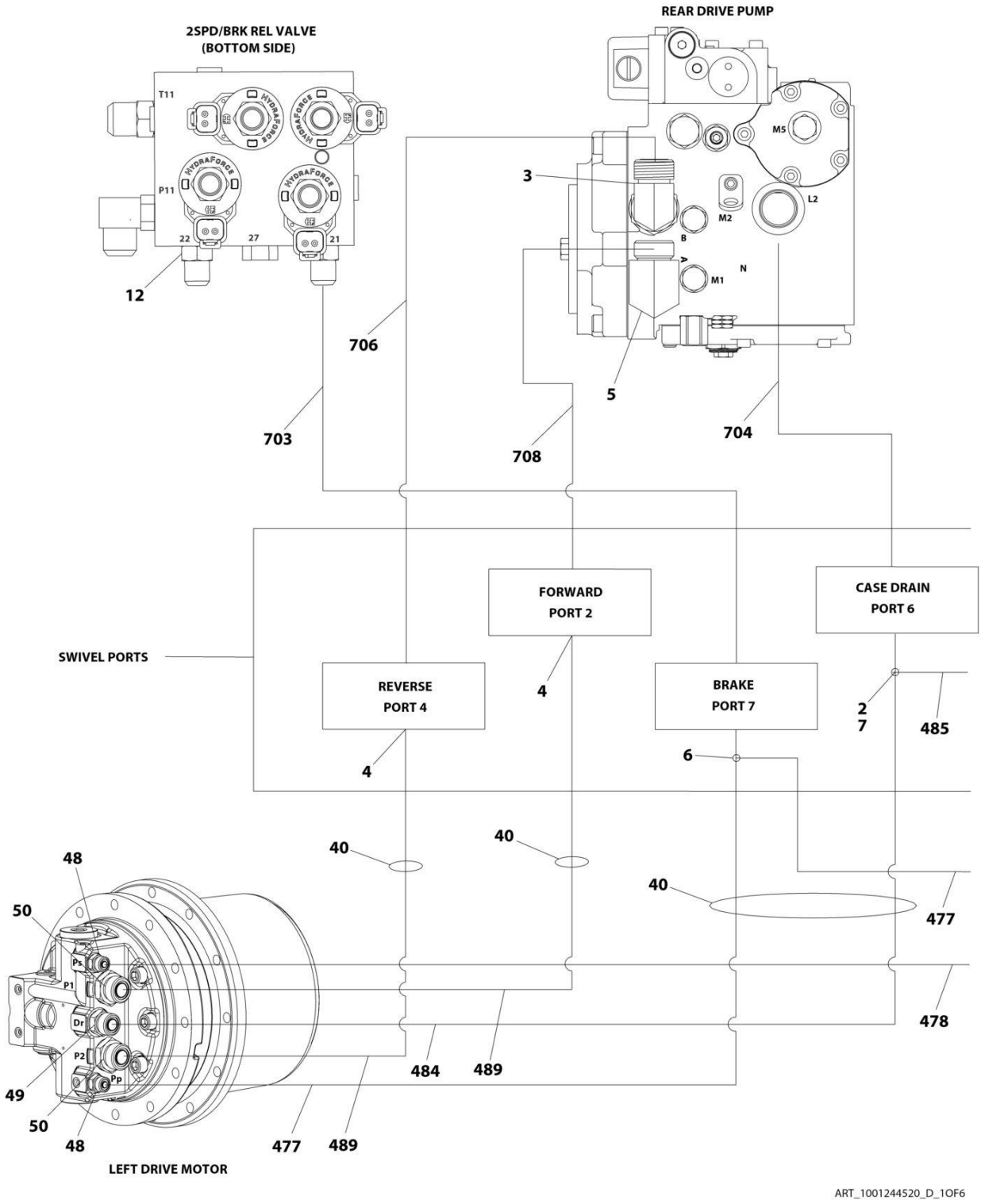

1
41
46
41
38
38
41
45
41
1
LOCATED ON FREAME
TO TELE CYLINDER PORT V1
TO TELE CYLINDER PORT V2
304
303
202
302
301
V2
V1
20
15
MAIN LIFT CYLINDER
302
301
202
37
304
18
22
201
PLATFORM ROTATOR
ART_1001244519_C_6OF6

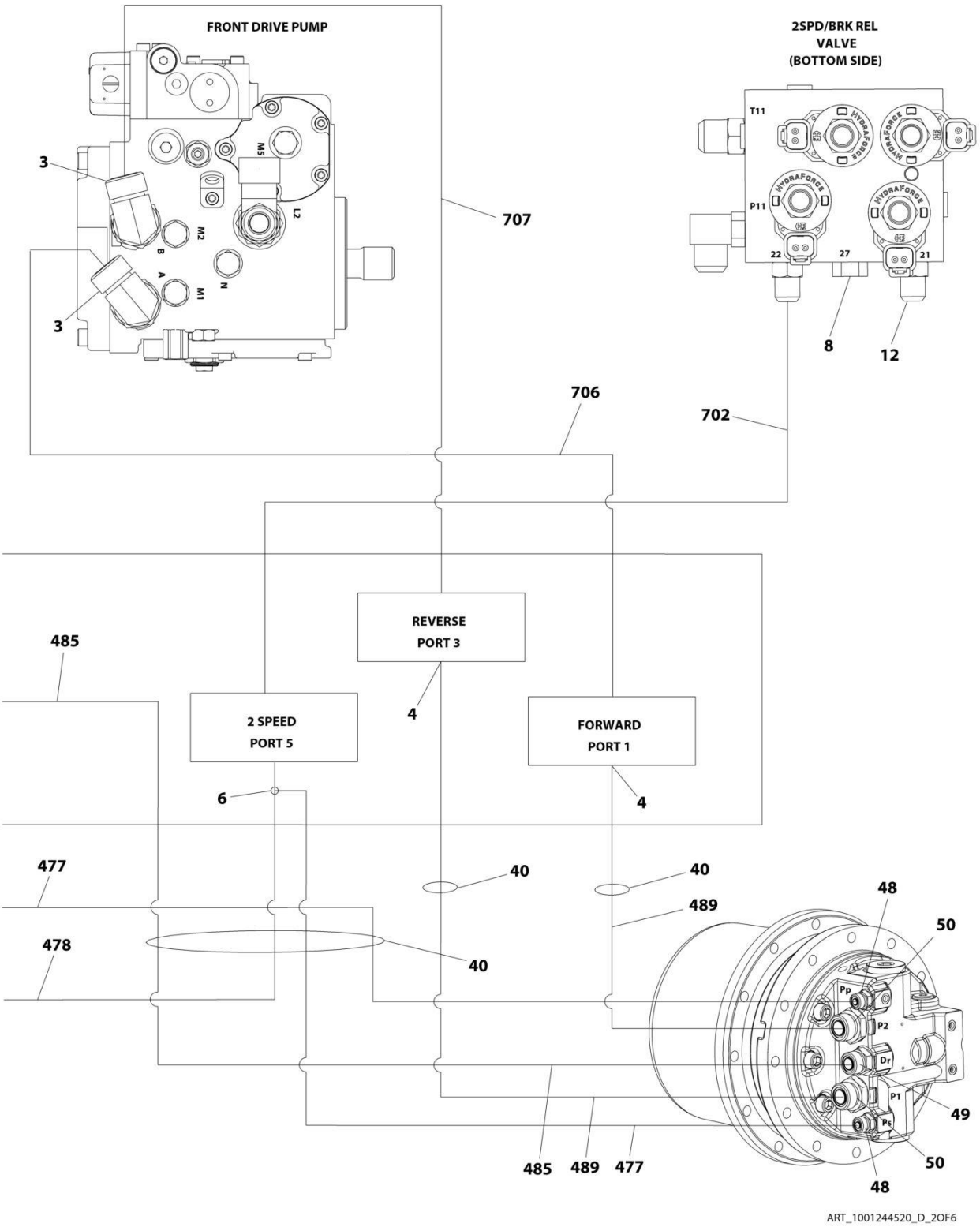
FIGURE 7-1. HYDRAULIC DIAGRAM - 400SC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244519	Ref	HYDRAULIC DIAGRAM	C
1	0760619	2	Bolt M6 x 55	
2	2110806	1	Fitting, Straight ORFS/ORB	
3	2131212	3	Fitting, 90 ORFS/ORB	
4	2151212	4	Fitting, 45 ORFS/ORB	
5	2170212	1	Fitting, 90 ORFS/ORB	
6	2170406	2	Fitting, Tee ORFS/ORB/ORFS	
7	2170808	1	Fitting, Tee ORFS/FSORFS/FORFS	
8	2220237	1	Plug	
9	2220238	2	Plug	
10	2220365	1	Fitting, 45 JIC/ORB	
11	2220366	1	Fitting, 90 JIC/ORB	
12	2220371	8	Fitting, Straight JIC/ORB	
13	2220372	4	Fitting, Straight JIC/ORB	
14	2220373	2	Fitting, Straight JIC/ORB	
15	2220374	3	Fitting, Straight JIC/ORB	
16	2220377	1	Fitting, Straight JIC/ORB	
17	2220451	1	Fitting, Straight JIC/ORB	
18	2220466	1	Fitting, 90 JIC/ORB	
19	2220473	4	Fitting, 90 JIC/ORB	
20	2220497	1	Fitting, Straight JIC/ORB	
21	2220500	2	Fitting, 45 JIC/ORB	
22	2220502	1	Fitting, 45 JIC/ORB	
23	2220518	1	Fitting, Cap FJIC	
24	2220578	1	Fitting, 90 JIC/ORB	
25	2220582	2	Fitting, Straight JIC/ORB	
26	2220600	2	Fitting, Straight JIC/ORB	
27	2220603	2	Fitting, Straight JIC/ORB	
28	2220695	1	Fitting, Tee JIC/ORB/JIC	
29	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
30	2220726	1	Fitting, 90 JIC/ORB	
31	2220775	1	Fitting, 90 JIC/ORB	
32	2220906	1	Fitting, 90 JIC/ORB	
33	2220946	2	Fitting, Straight JIC/ORB	
34	2220947	2	Fitting, Straight JIC/ORB	
35	2220948	1	Fitting, Tee JIC/FSJIC/JIC	
37	2221086	3	Fitting, Diagnostic Test Port	
38	3290601	2	Nut M6	
39	4100026	24 ft /7.32m	Sleeve, Hose Protection	
40	4240018	AR	Tie-Strap (Not Shown)	
41	4811700	4	Washer M6	
42	80633030	2	Clamp	
43	1001098928	1	Clamp	
45	1001191275	1	Clamp	
46	1001191276	1	Clamp	
47	1001191362	4	Fitting, Straight ORFS/ORB	
48	1001191364	2	Fitting, Straight ORFS/ORB	
49	1001191365	4	Fitting, Straight ORFS/ORB	
100	1001202940	1	Upper Boom Hose Kit (Includes Items 101-102) (Not Shown)	

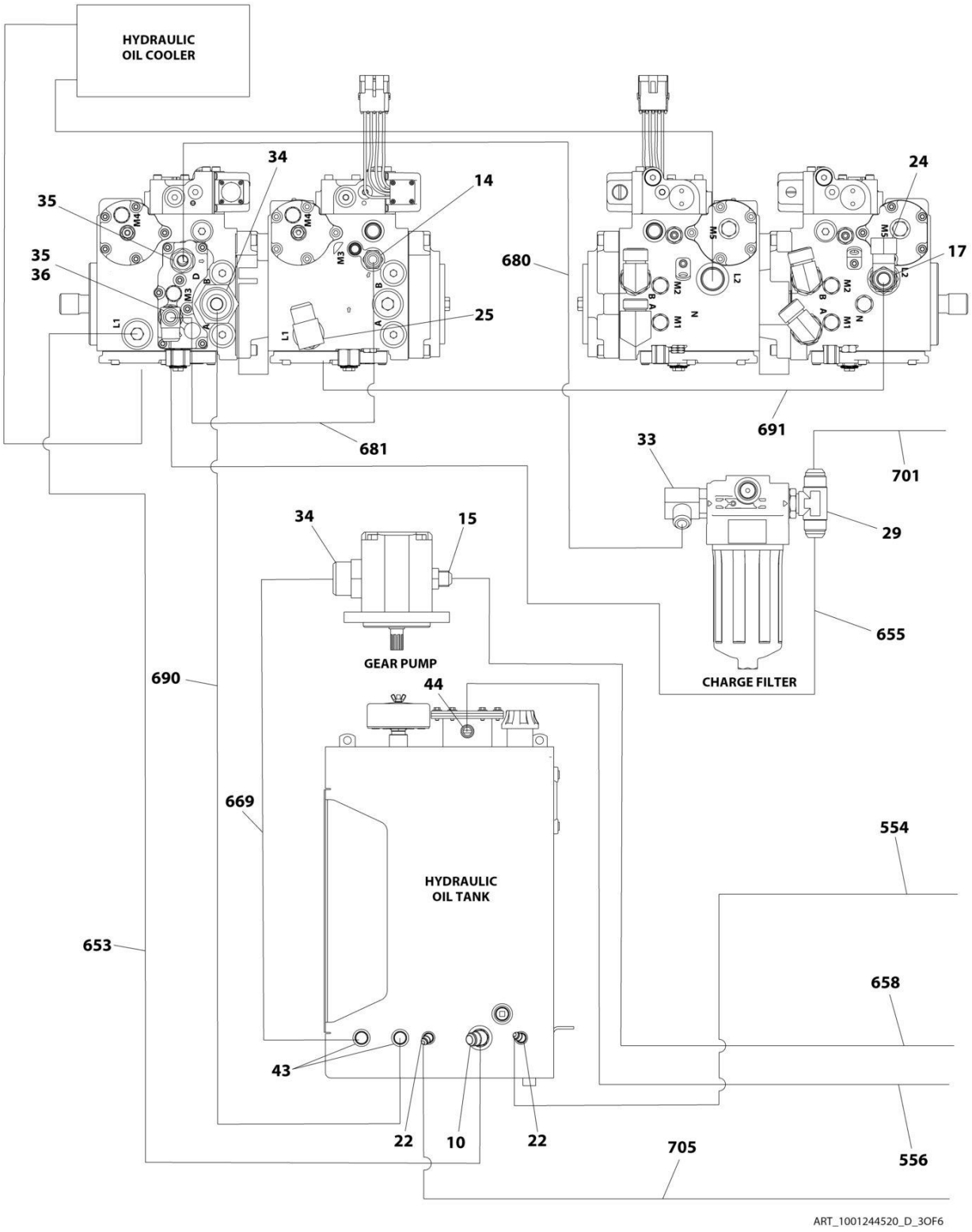
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001173909	1	Hose	
102	1001173937	1	Hose	
200	1001202941	1	S Boom Hose Kit (Includes Items 201-202) (Not Shown)	
201	1001172694	1	Hose	
202	1001172696	1	Hose	
300	1001202946	1	Turntable Hose Kit (Includes Items 301-306) (Not Shown)	
301	1001173901	1	Hose	
302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

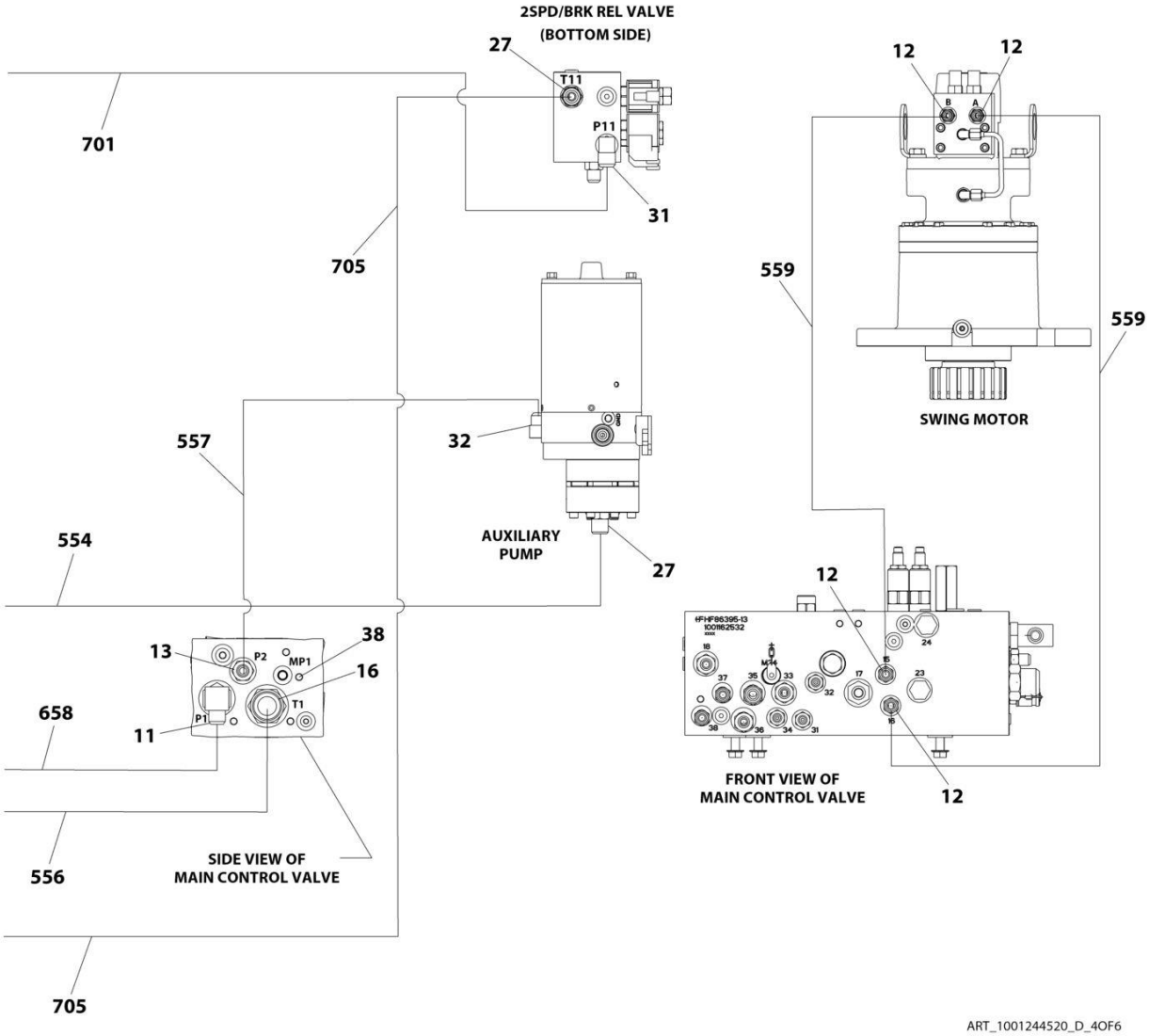
FIGURE 7-2. HYDRAULIC DIAGRAM - 460SJC

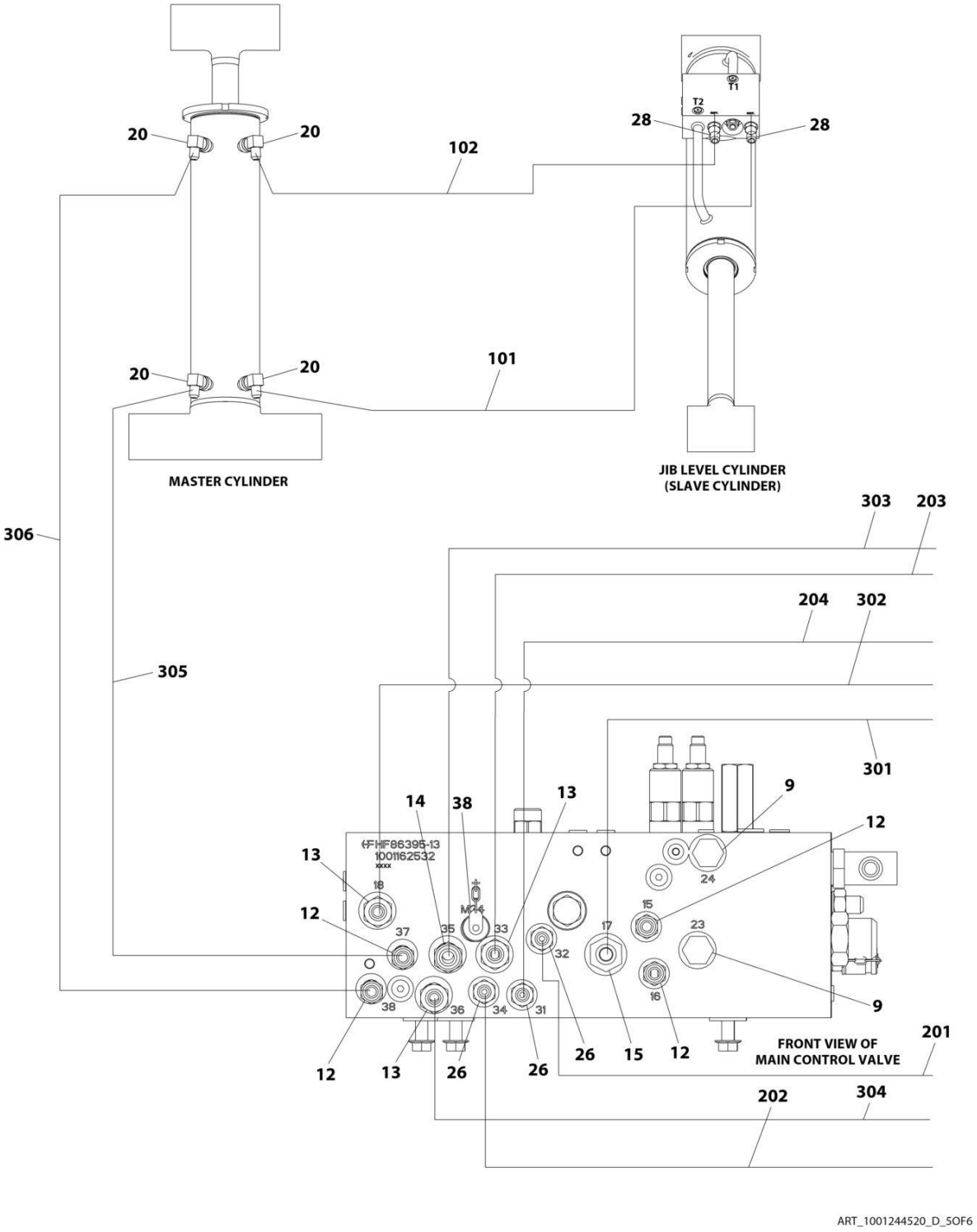



FRONT DRIVE PUMP
2SPD/BRK REL
VALVE
(BOTTOM SIDE)
T11
P11
22
27
21
8
12
3
3
707
706
702
REVERSE
PORT 3
4
485
2 SPEED
PORT 5
6
FORWARD
PORT 1
4
477
40
40
489
48
50
478
40
Pp
P2
Dr
P1
Ps
49
50
48
485
489
477
ART_1001244520_D_2OF6

SECTION 7 - HYDRAULIC




2SPD/BRK REL VALVE
(BOTTOM SIDE)
27
T11
P11
31
701
705
559
12
12
B
A
559
SWING MOTOR
557
32
AUXILIARY
PUMP
554
27
12
38
13
P2
MP1
16
T1
658
P1
11
FRONT VIEW OF
MAIN CONTROL VALVE
12
556
SIDE VIEW OF
MAIN CONTROL VALVE
705
ART_1001244520_D_4OF6


20
20
102
28
28
T1
T2
20
20
101
MASTER CYLINDER
JIB LEVEL CYLINDER
(SLAVE CYLINDER)
303
203
306
204
302
305
301
9
14
38
13
12
(-)HF86395-13
1001162532
xxxx
13
18
M14
12
37
35
33
32
17
15
23
24
9
38
36
34
31
16
12
13
26
26
26
15
12
FRONT VIEW OF
MAIN CONTROL VALVE
201
202
304
ART_1001244520_D_5OF6

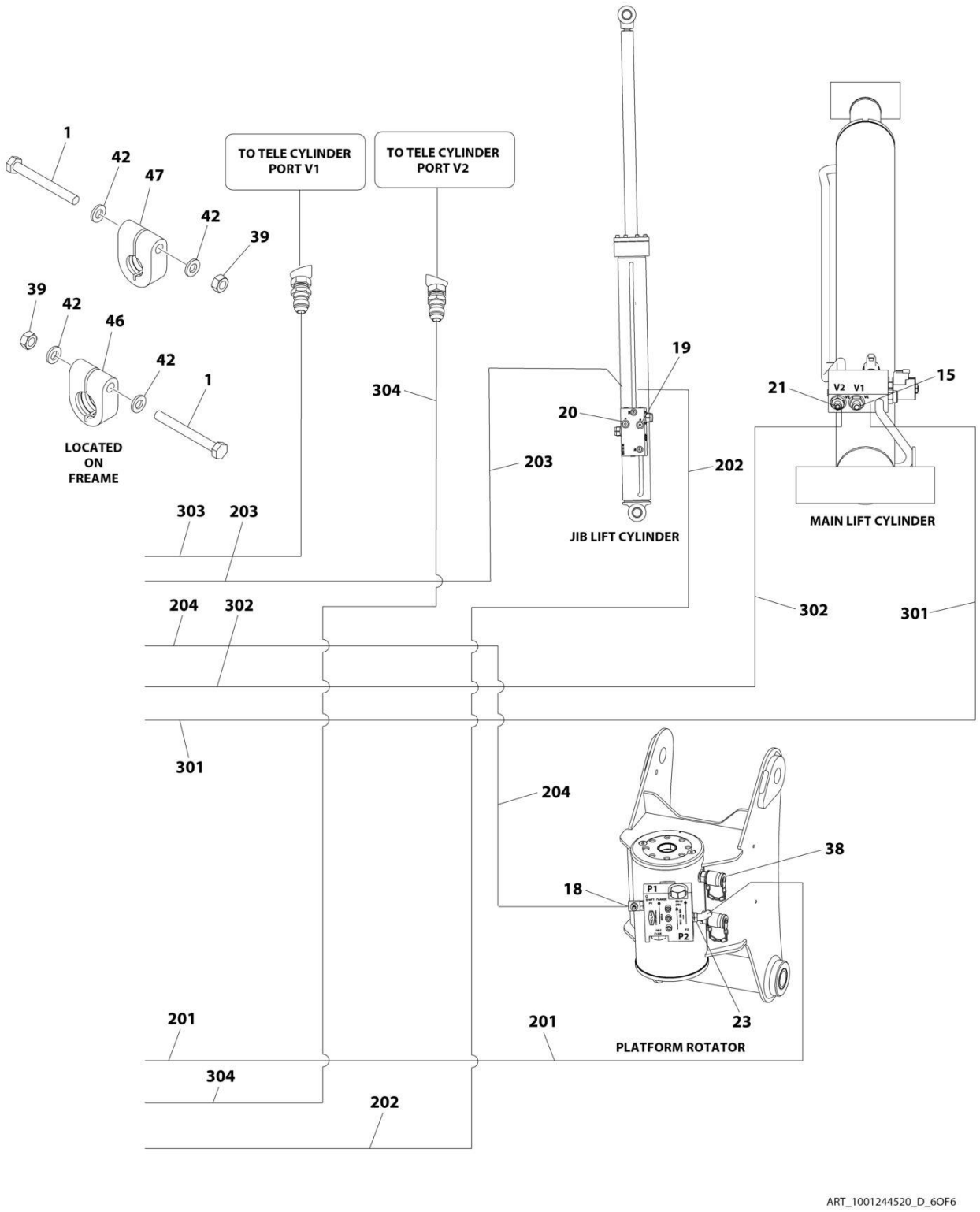

1
42
47
42
39
39
42
46
42
1
LOCATED ON FREAME
TO TELE CYLINDER PORT V1
TO TELE CYLINDER PORT V2
304
19
20
203
202
JIB LIFT CYLINDER
21
V2 V1
15
MAIN LIFT CYLINDER
303
203
204
302
302
301
301
204
38
18
P1
P2
23
201
201
PLATFORM ROTATOR
304
202
ART_1001244520_D_6OF6

FIGURE 7-2. HYDRAULIC DIAGRAM - 460SJC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244520	Ref	HYDRAULIC DIAGRAM	D
1	0760619	2	Bolt M6 x 55	
2	2110806	1	Fitting, Straight ORFS/ORB	
3	2131212	3	Fitting, 90 ORFS/ORB	
4	2151212	4	Fitting, 45 ORFS/ORB	
5	2170212	1	Fitting, 90 ORFS/ORB	
6	2170406	2	Fitting, Tee ORFS/ORB/ORFS	
7	2170808	1	Fitting, Tee ORFS/FSORFS/FORFS	
8	2220237	1	Plug	
9	2220238	2	Plug	
10	2220365	1	Fitting, 45 JIC/ORB	
11	2220366	1	Fitting, 90 JIC/ORB	
12	2220371	8	Fitting, Straight JIC/ORB	
13	2220372	4	Fitting, Straight JIC/ORB	
14	2220373	2	Fitting, Straight JIC/ORB	
15	2220374	3	Fitting, Straight JIC/ORB	
16	2220377	1	Fitting, Straight JIC/ORB	
17	2220451	1	Fitting, Straight JIC/ORB	
18	2220466	1	Fitting, 90 JIC/ORB	
19	2220472	1	Fitting, 90 JIC/ORB	
20	2220473	5	Fitting, 90 JIC/ORB	
21	2220497	1	Fitting, Straight JIC/ORB	
22	2220500	2	Fitting, 45 JIC/ORB	
23	2220502	1	Fitting, 45 JIC/ORB	
24	2220518	1	Fitting, Cap FJIC	
25	2220578	1	Fitting, 90 JIC/ORB	
26	2220582	3	Fitting, Straight JIC/ORB	
27	2220600	2	Fitting, Straight JIC/ORB	
28	2220603	2	Fitting, Straight JIC/ORB	
29	2220695	1	Fitting, Tee JIC/ORB/JIC	
30	2220700	1	Fitting, Tee JIC/FSJIC/JIC	
31	2220726	1	Fitting, 90 JIC/ORB	
32	2220775	1	Fitting, 90 JIC/ORB	
33	2220906	1	Fitting, 90 JIC/ORB	
34	2220946	2	Fitting, Straight JIC/ORB	
35	2220947	2	Fitting, Straight JIC/ORB	
36	2220948	1	Fitting, Tee JIC/FSJIC/JIC	
38	2221086	4	Fitting, Diagnostic Test Port	
39	3290601	2	Nut M6	
40	4100026	24 ft /7.32m	Sleeve, Hose Protection	
41	4240018	AR	Tie-Strap (Not Shown)	
42	4811700	4	Washer M6	
43	80633030	2	Clamp	
44	1001098928	1	Clamp	
46	1001191275	1	Clamp	
47	1001191276	1	Clamp	
48	1001191362	4	Fitting, Straight ORFS/ORB	
49	1001191364	2	Fitting, Straight ORFS/ORB	
50	1001191365	4	Fitting, Straight ORFS/ORB	

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

SECTION 8 - ELECTRICAL

SECTION 8 - ELECTRICAL

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

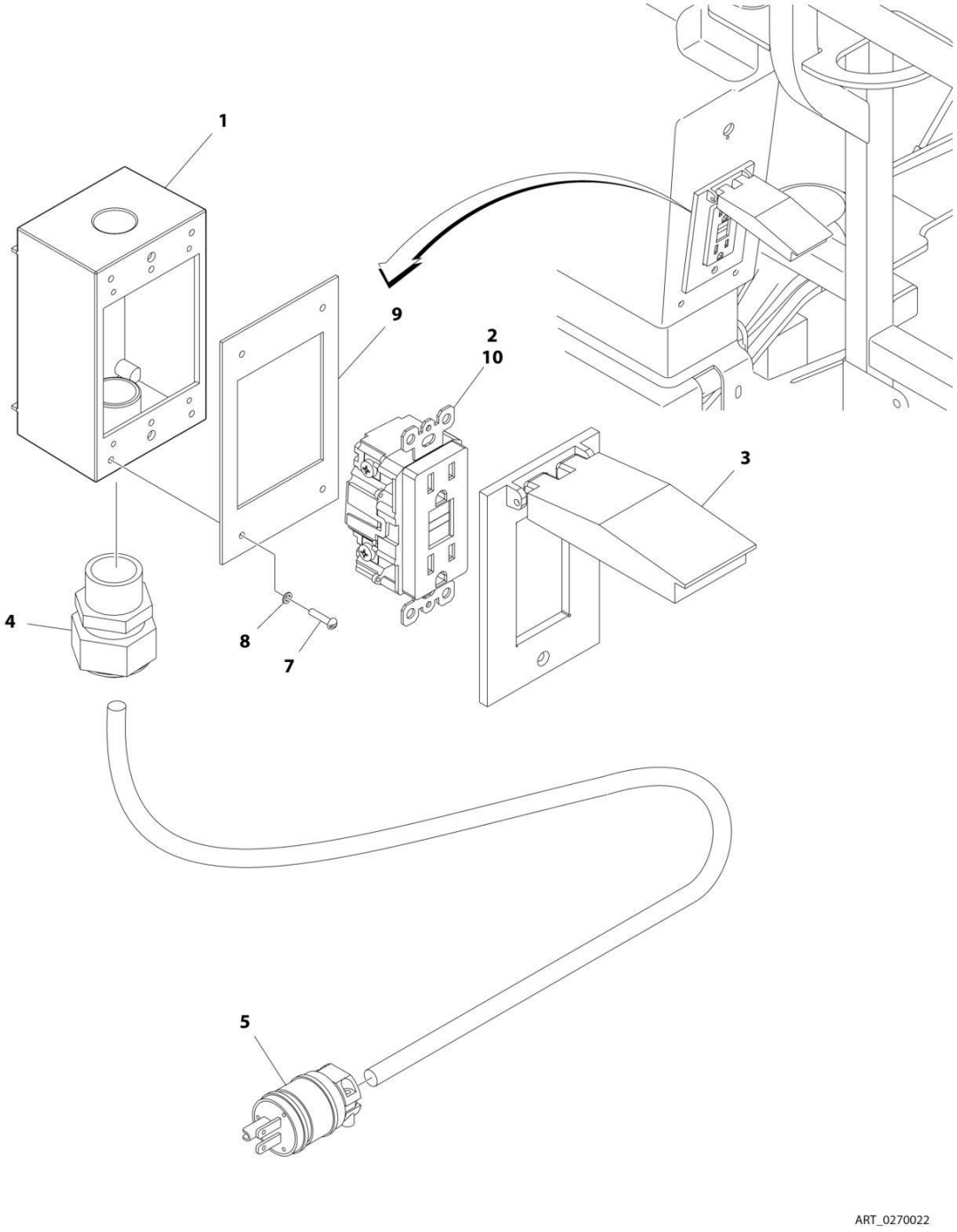


FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT, AND CSA SPECS)

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

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

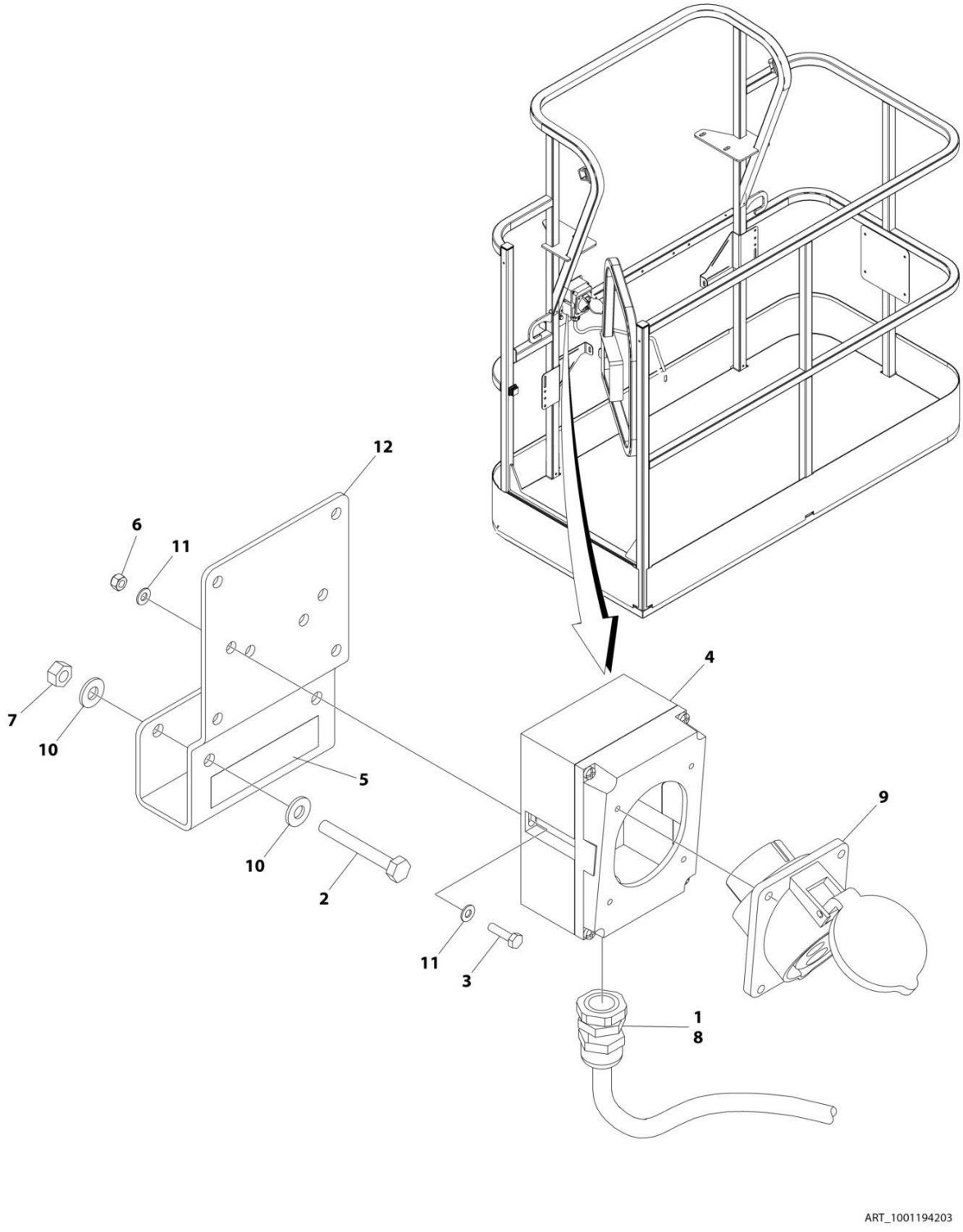


FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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

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

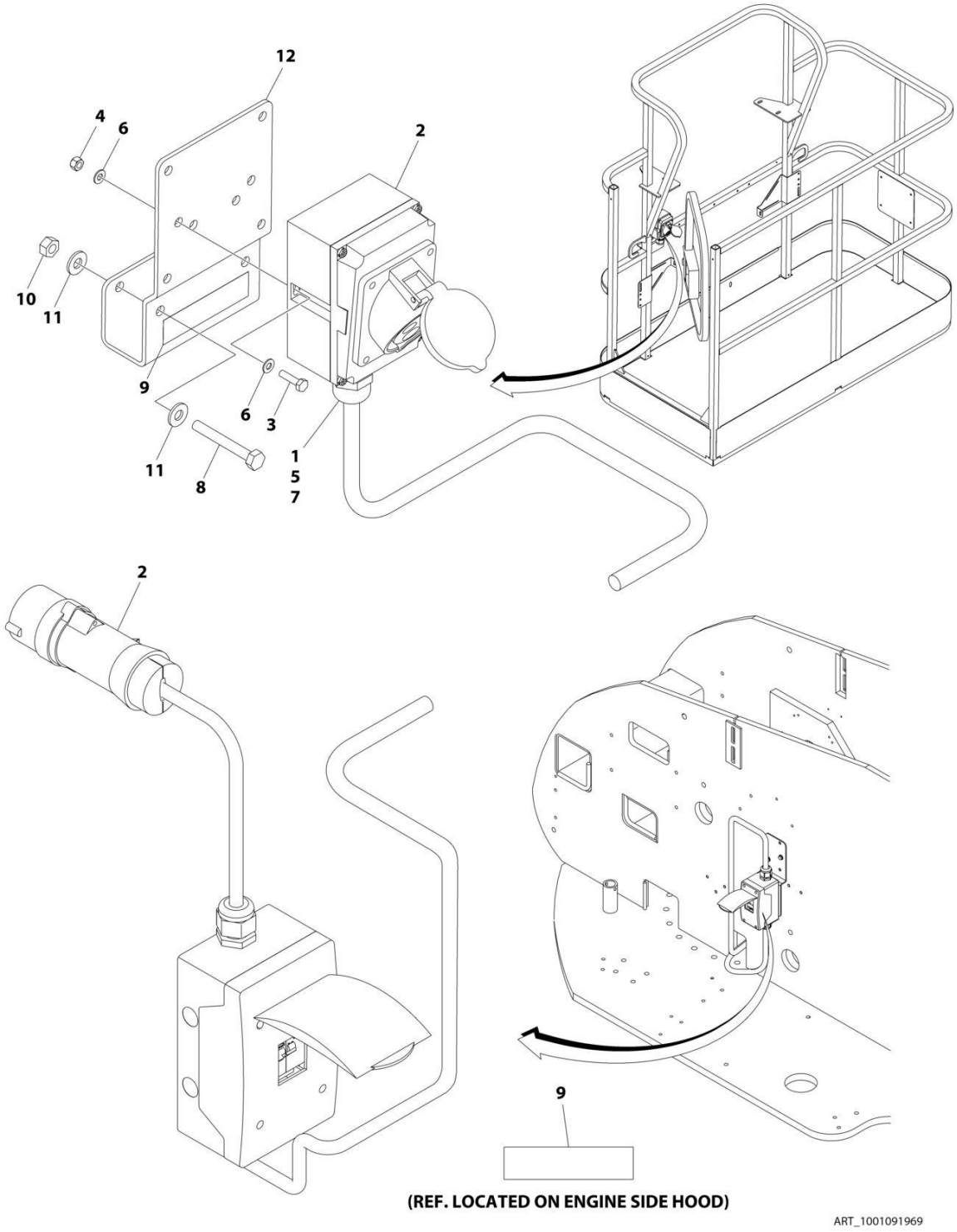


FIGURE 8-3. AC BOX AT PLATFORM - 110V IEC YELLOW (CE & UK CA SPEC WITHOUT GENERATOR)

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

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

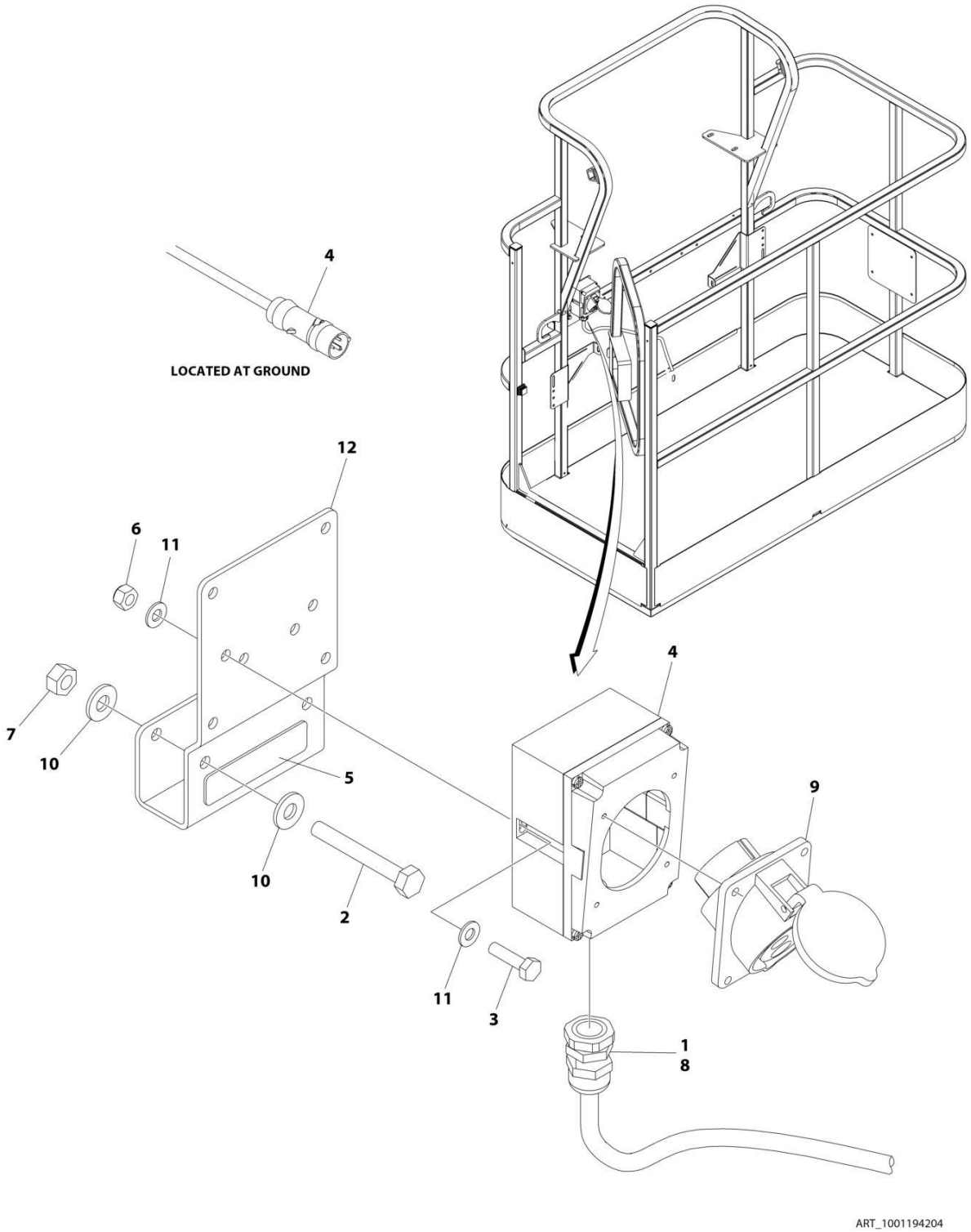


FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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

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

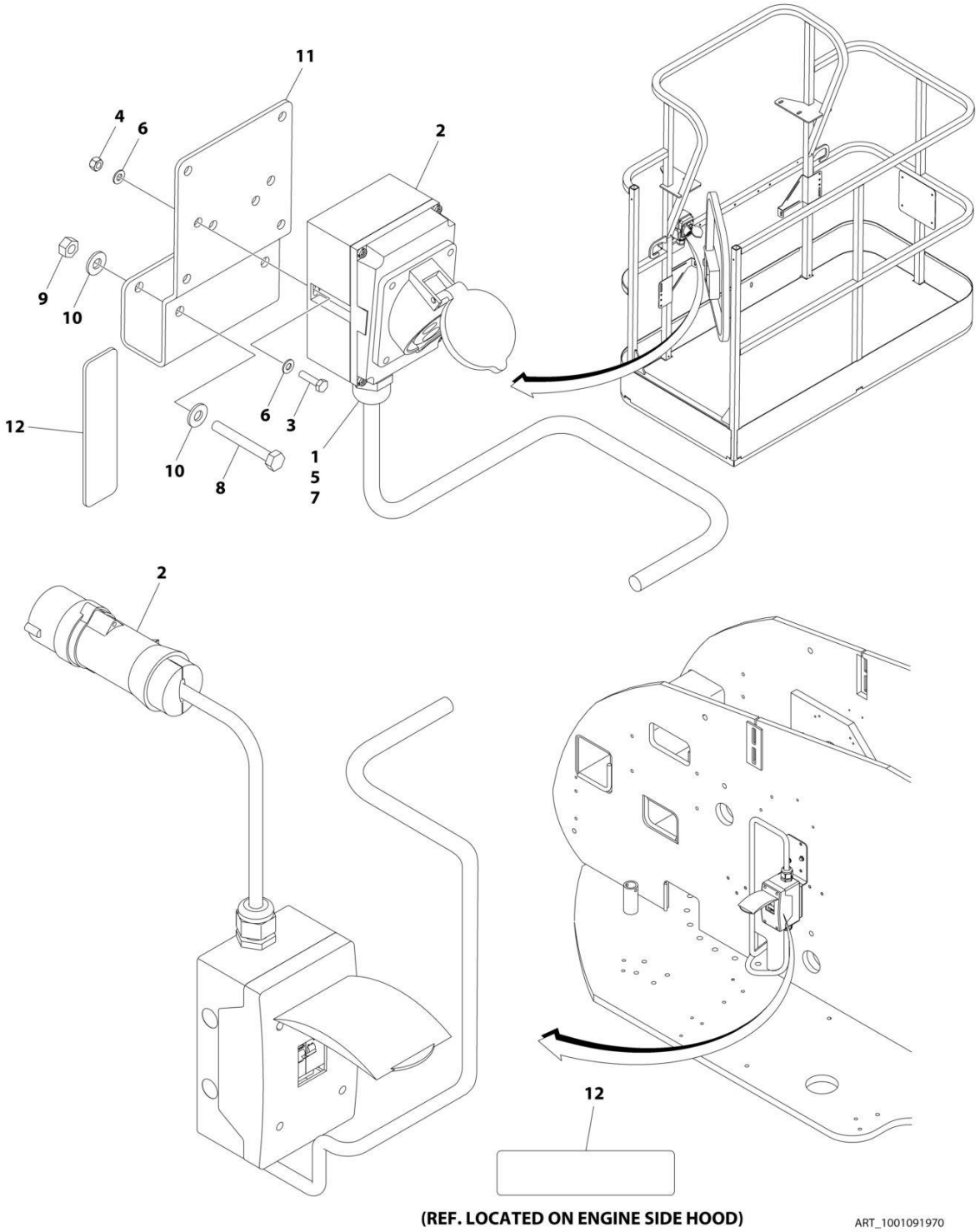


FIGURE 8-5. AC BOX AT PLATFORM - 220V IEC BLUE (CE & UK CA SPEC WITHOUT GENERATOR)

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

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

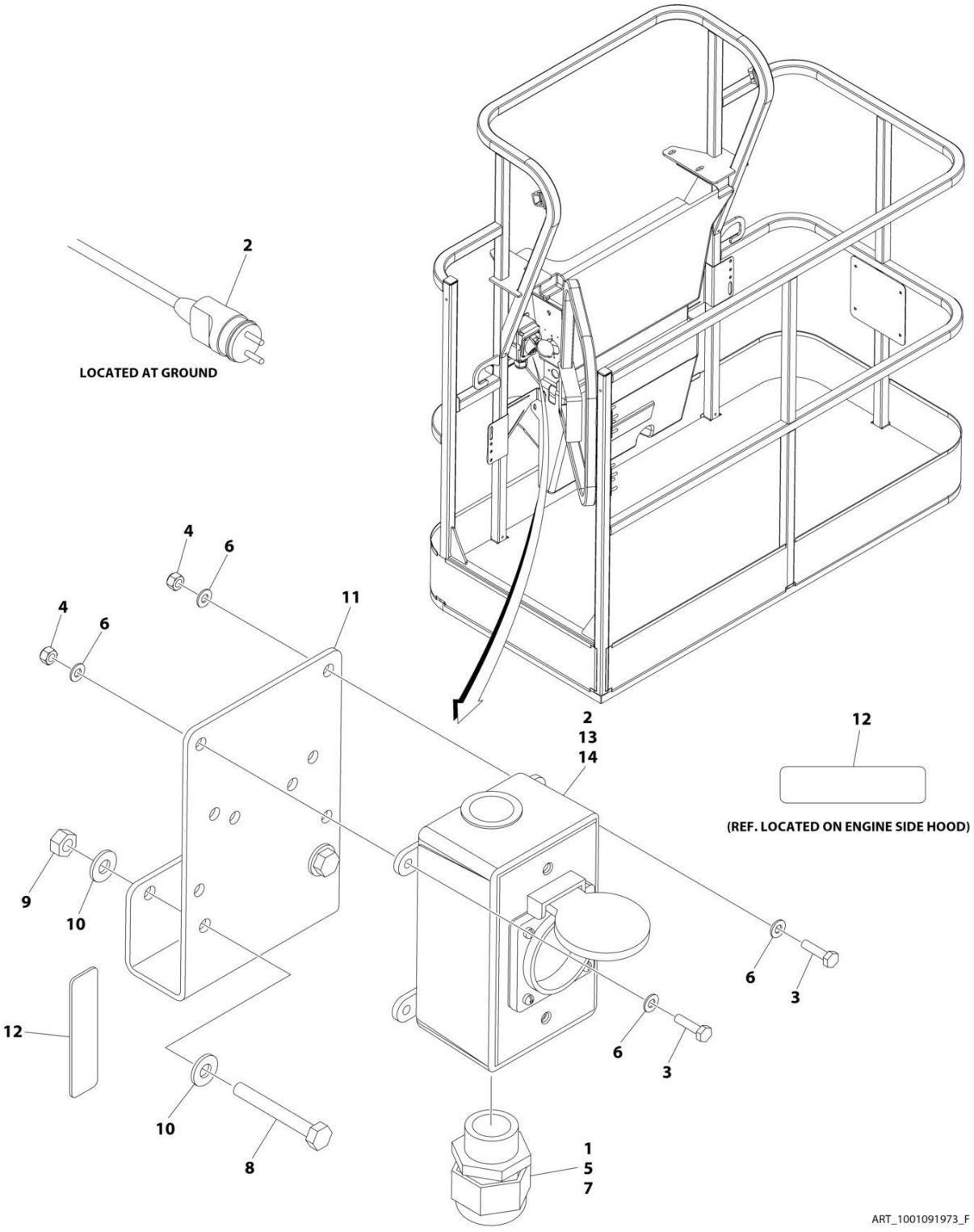


FIGURE 8-6. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPEC WITHOUT GENERATOR)

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

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

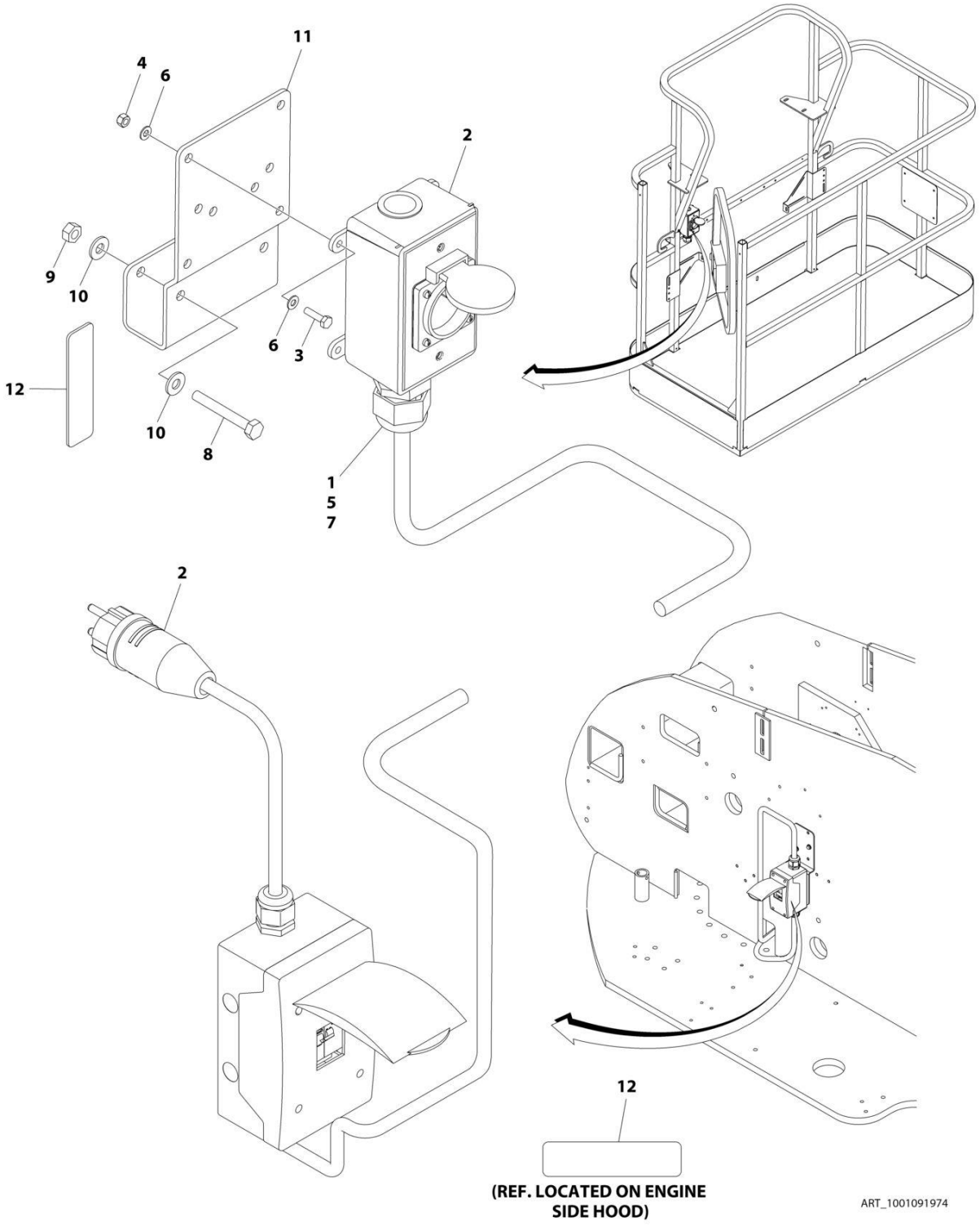


FIGURE 8-7. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPEC WITHOUT GENERATOR)

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

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

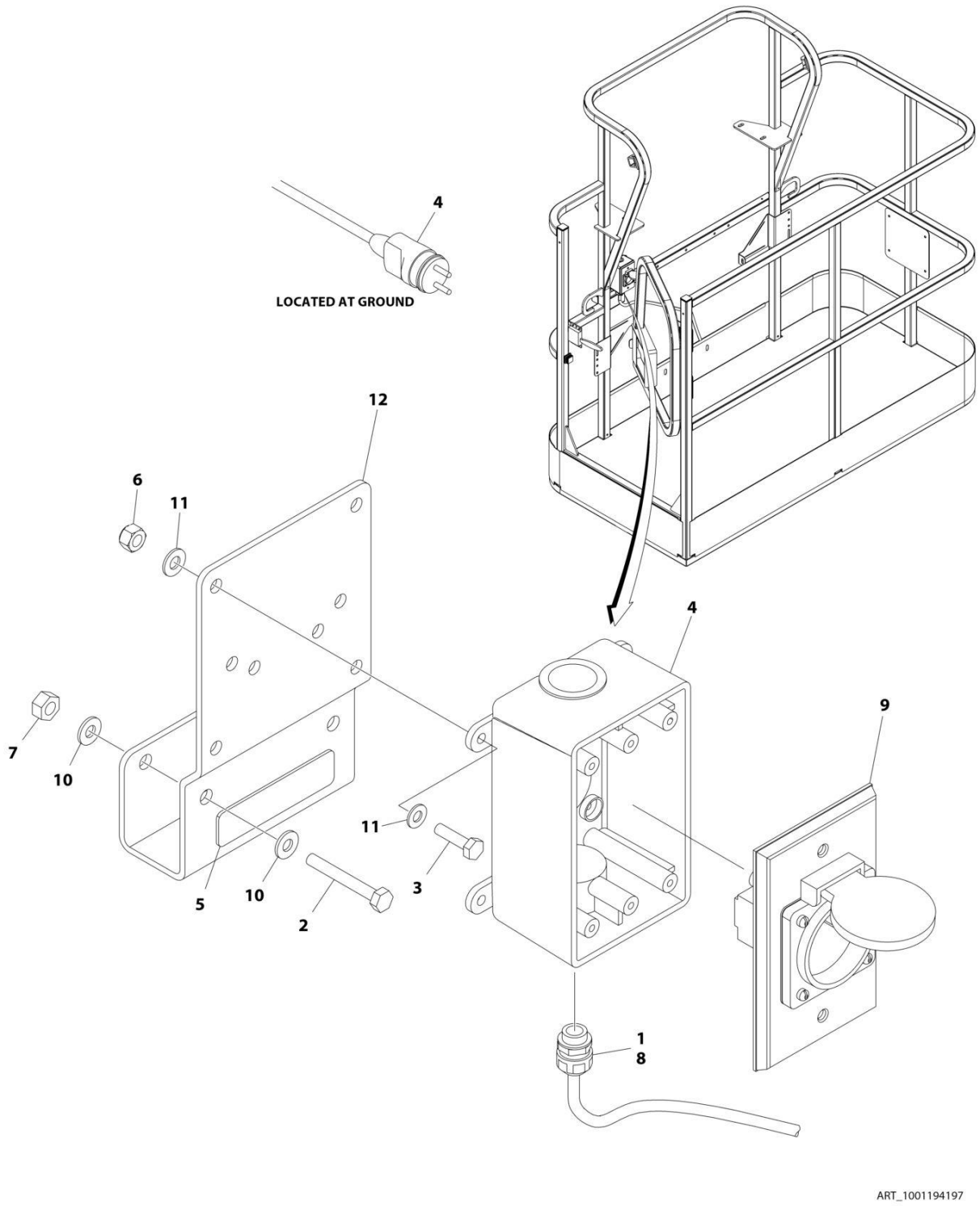


FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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

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

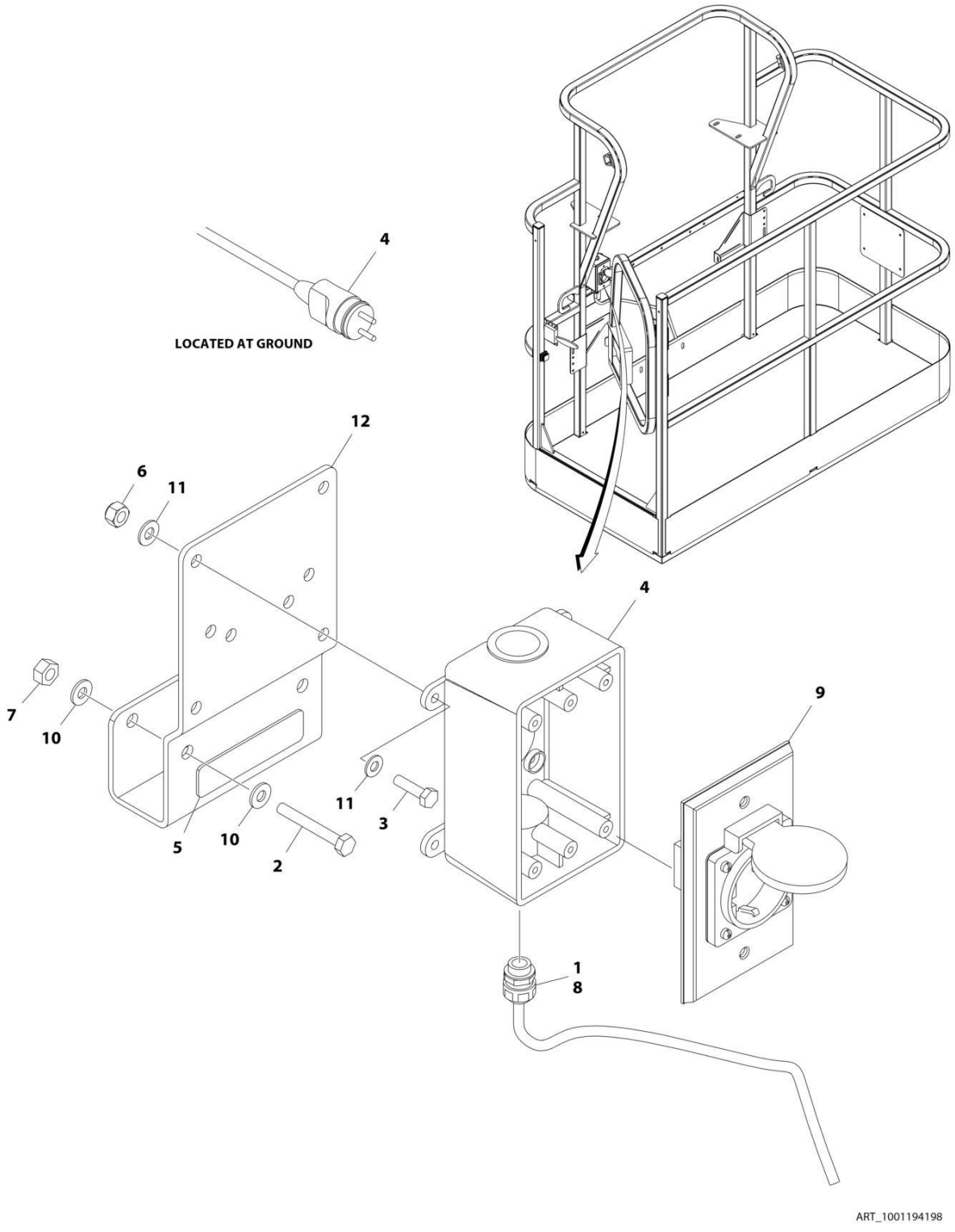


FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

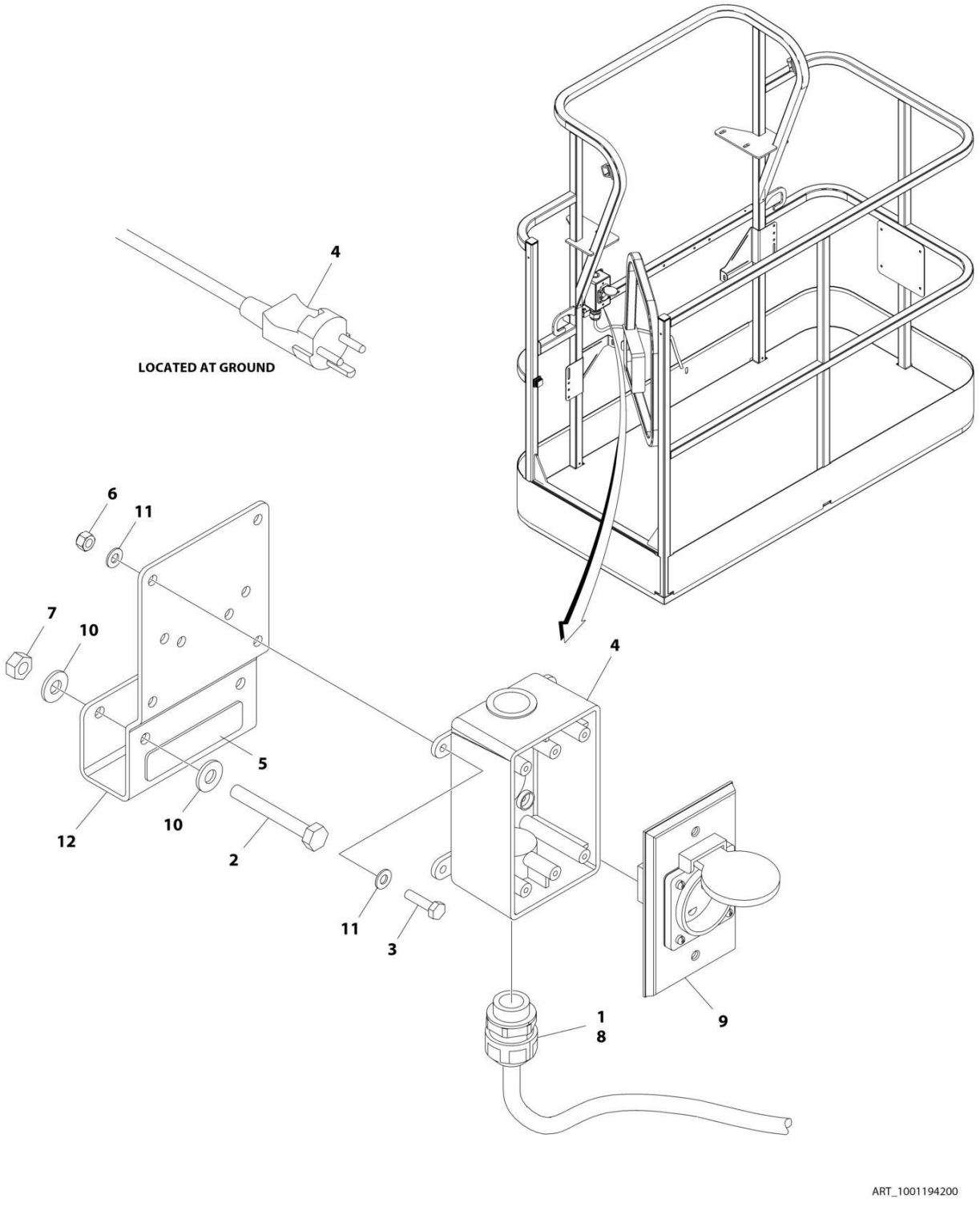


FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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

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

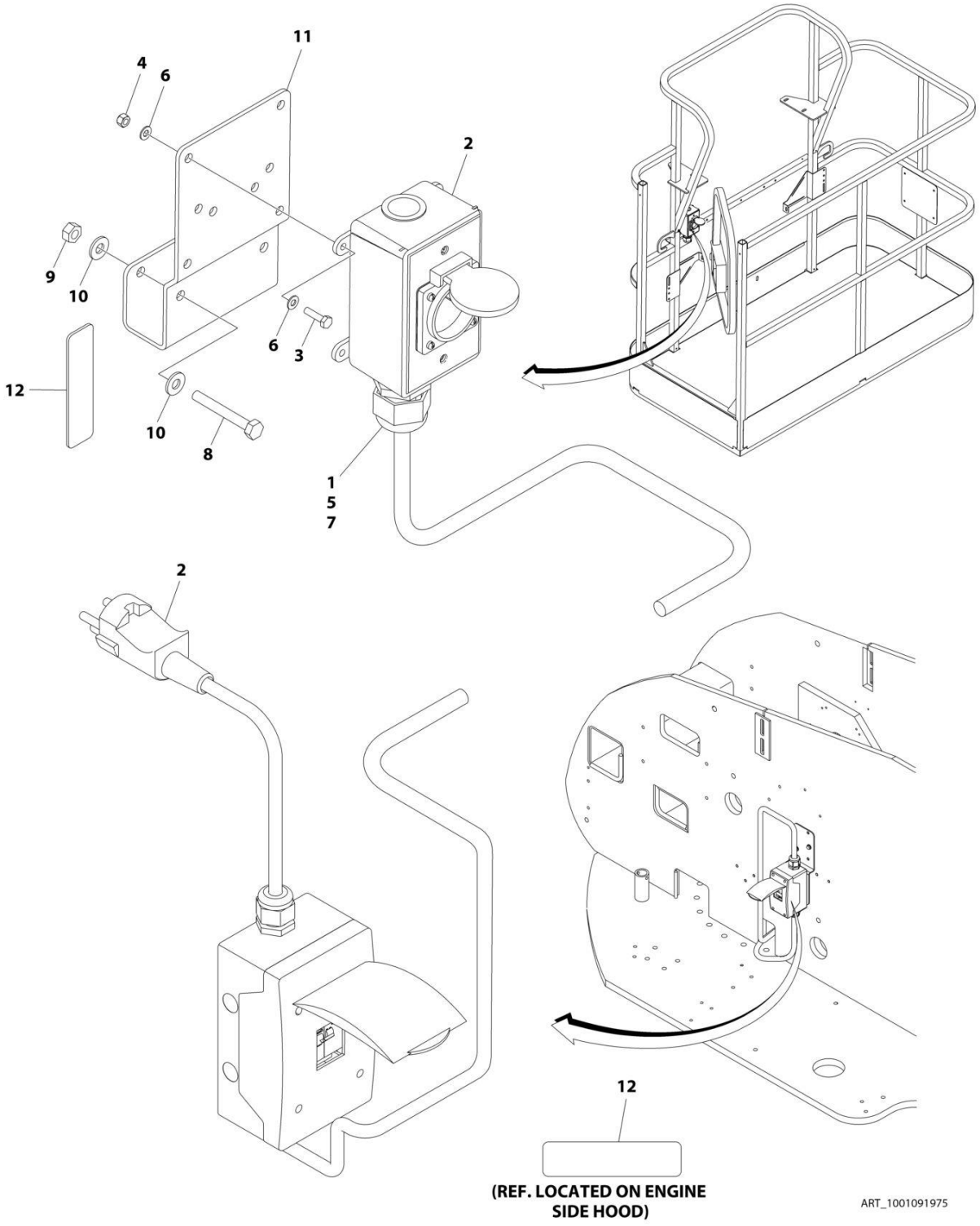


FIGURE 8-11. AC BOX AT PLATFORM - 220V AFSINT107 (CE & UK CA SPEC WITHOUT GENERATOR)

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

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

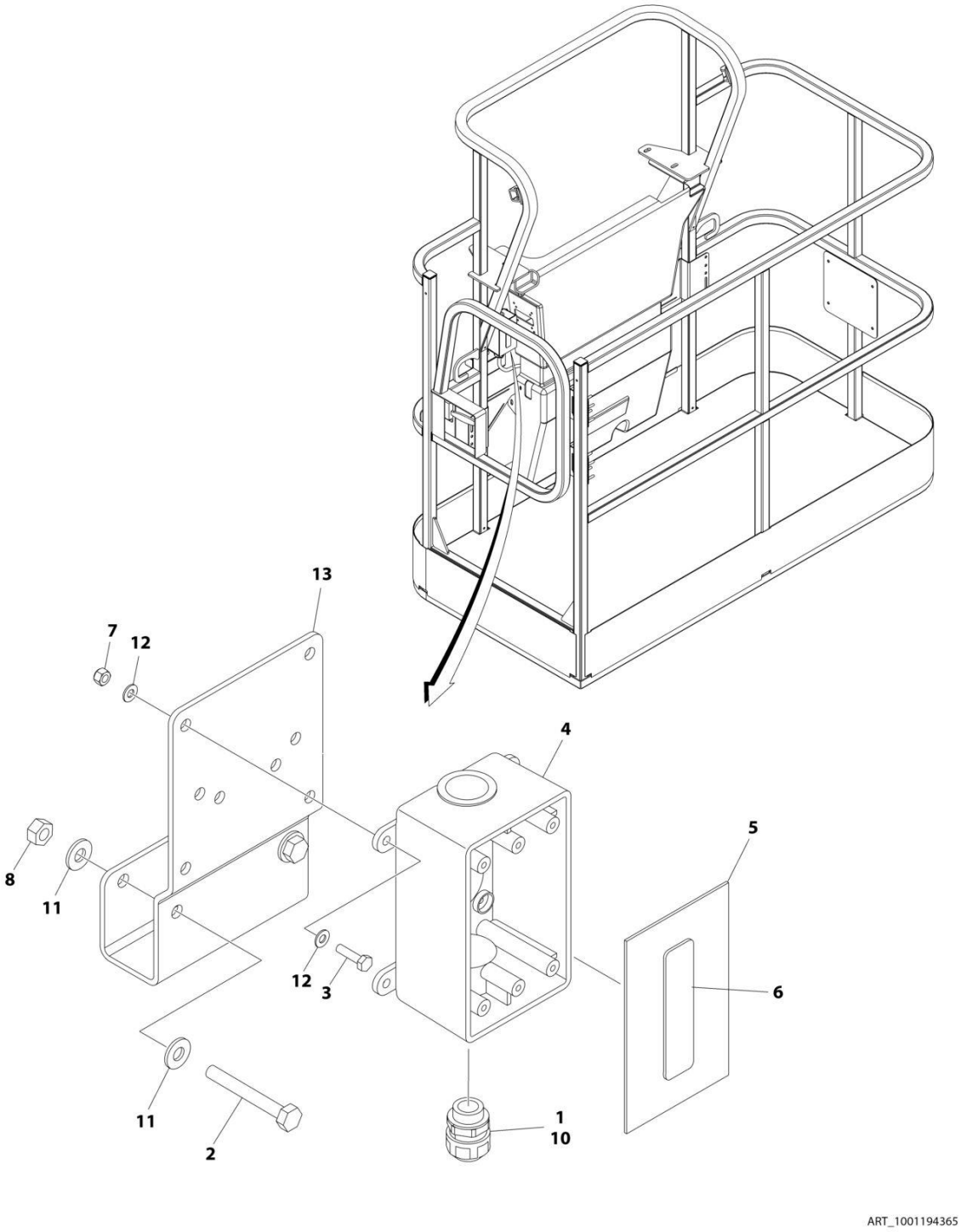


FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS (ANSI EXPORT AND CE & UK CA SPECS)

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

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

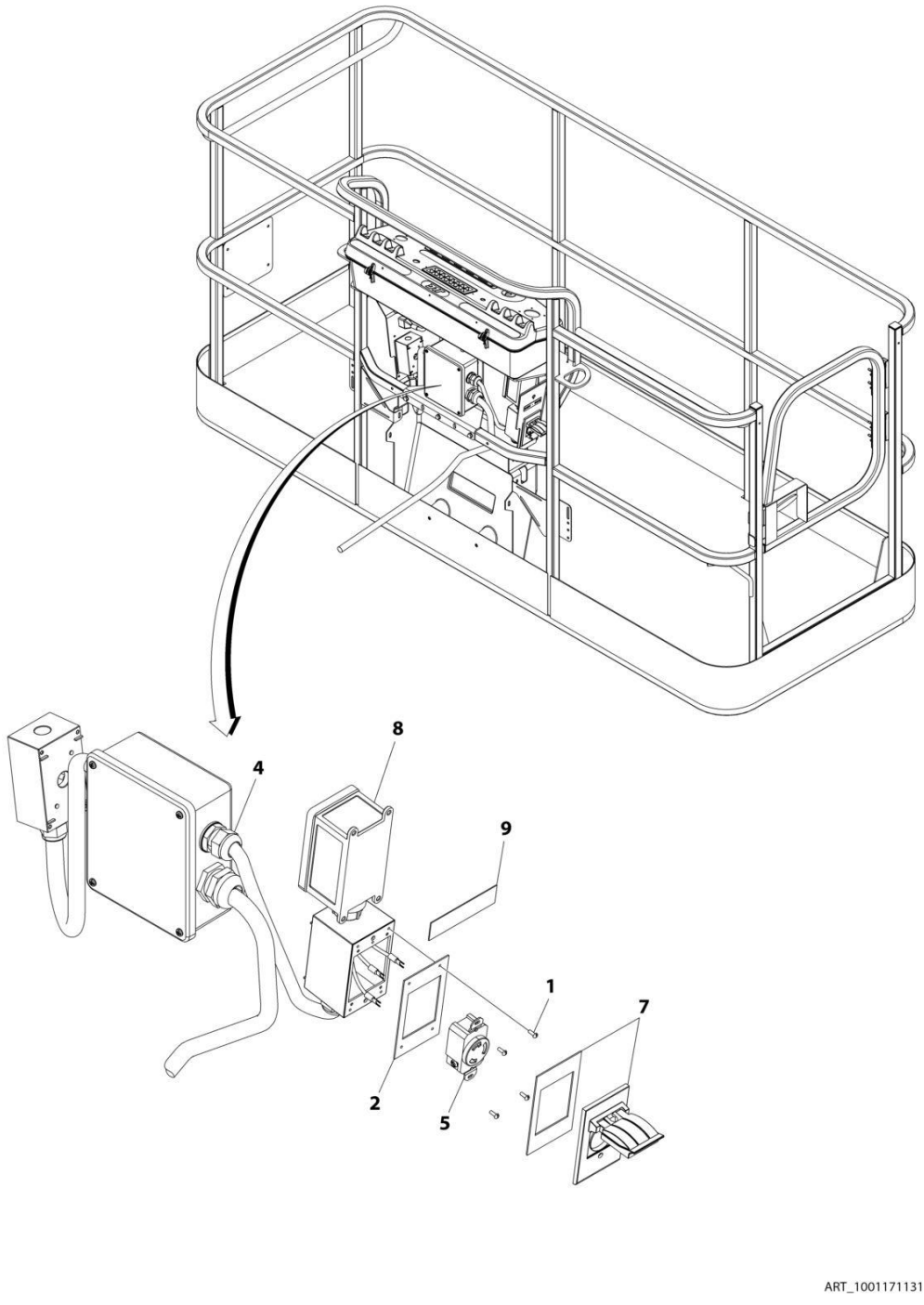


FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS)

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

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

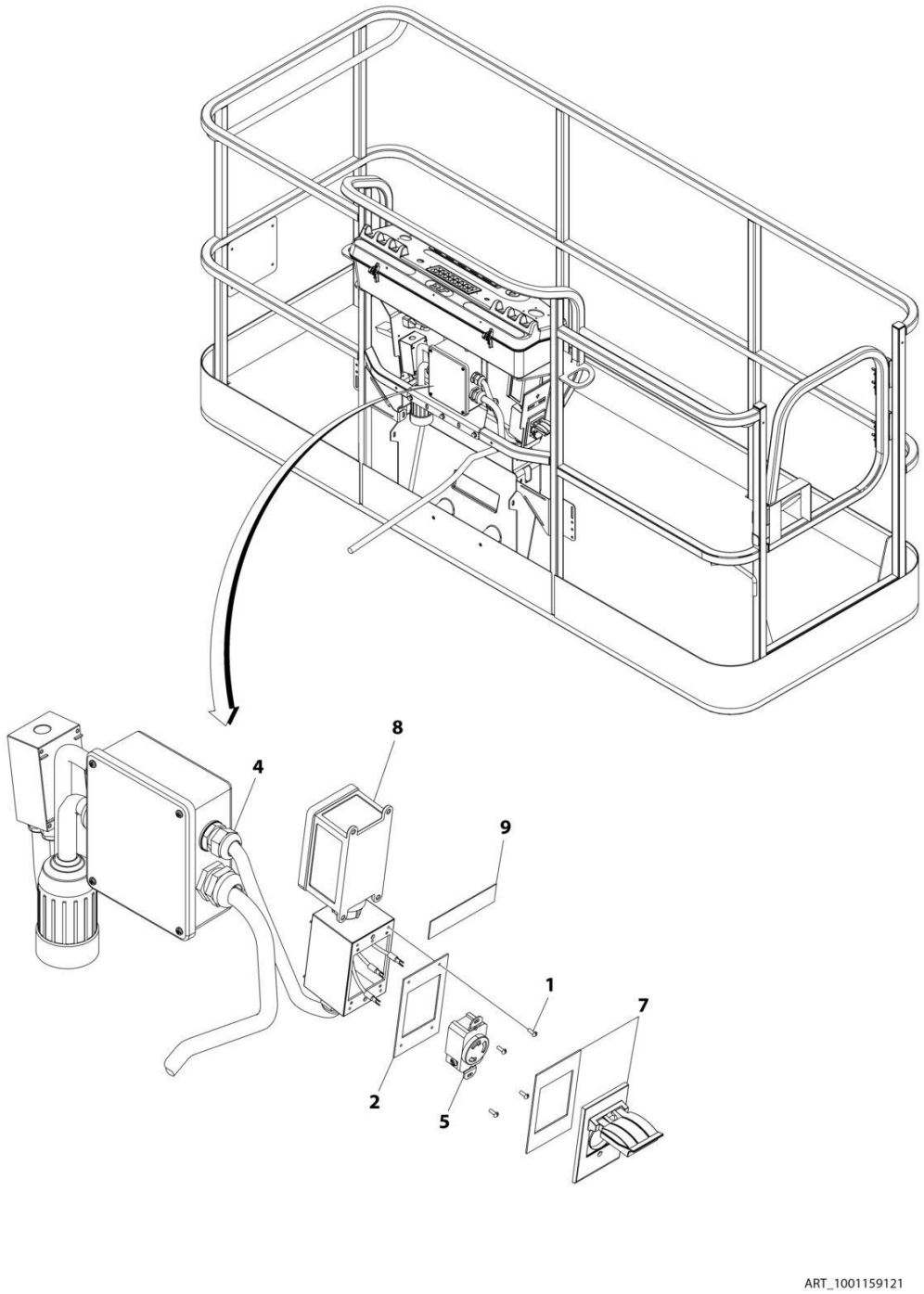


FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ANSI, ANSI EXPORT & CSA SPECS)

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

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

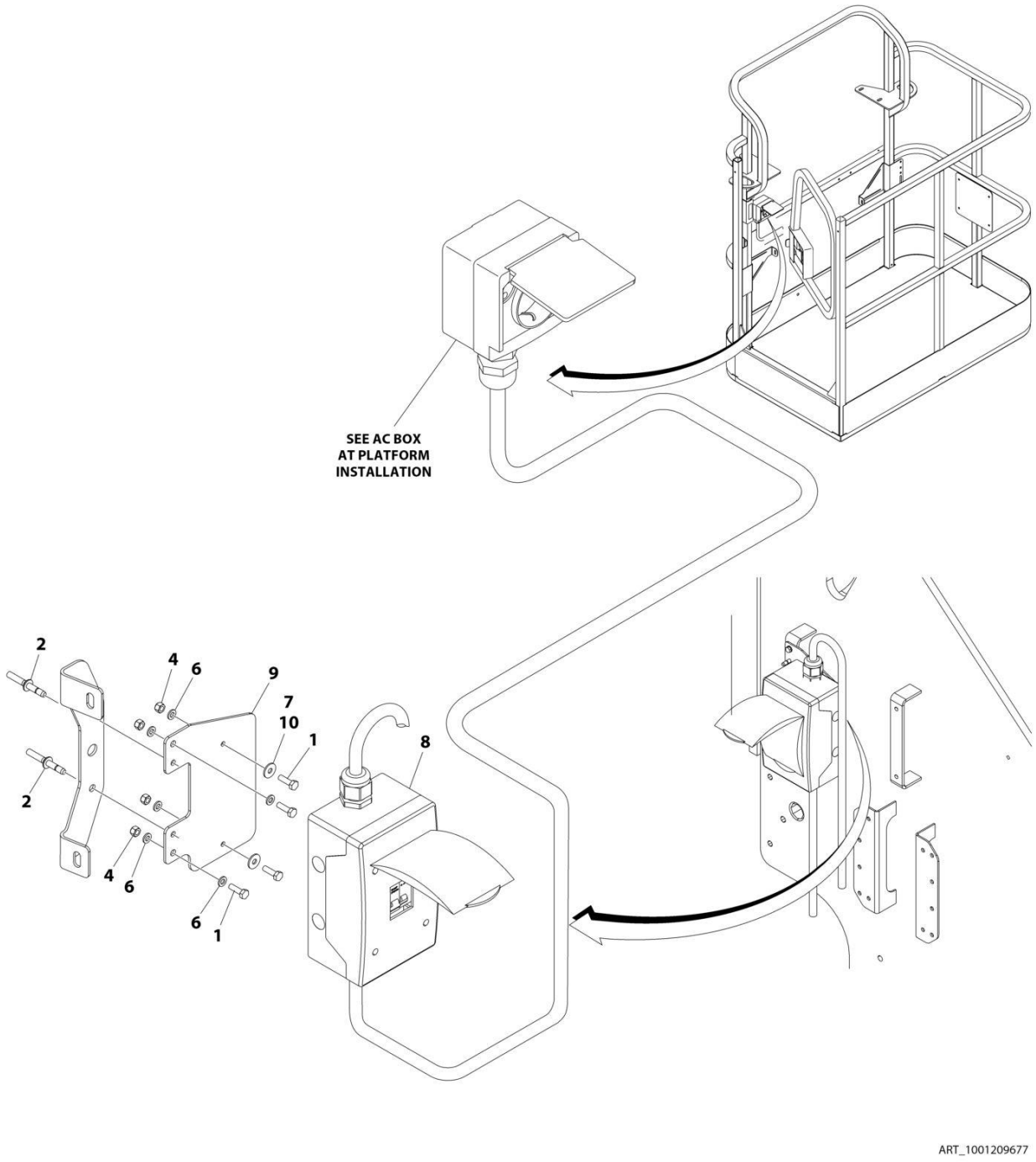


FIGURE 8-15. AC CABLE INSTALLATION - WITH THREE BREAKERS (CE & UK CA SPECS)

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

FIGURE 8-16. BATTERY DISCONNECT SWITCH

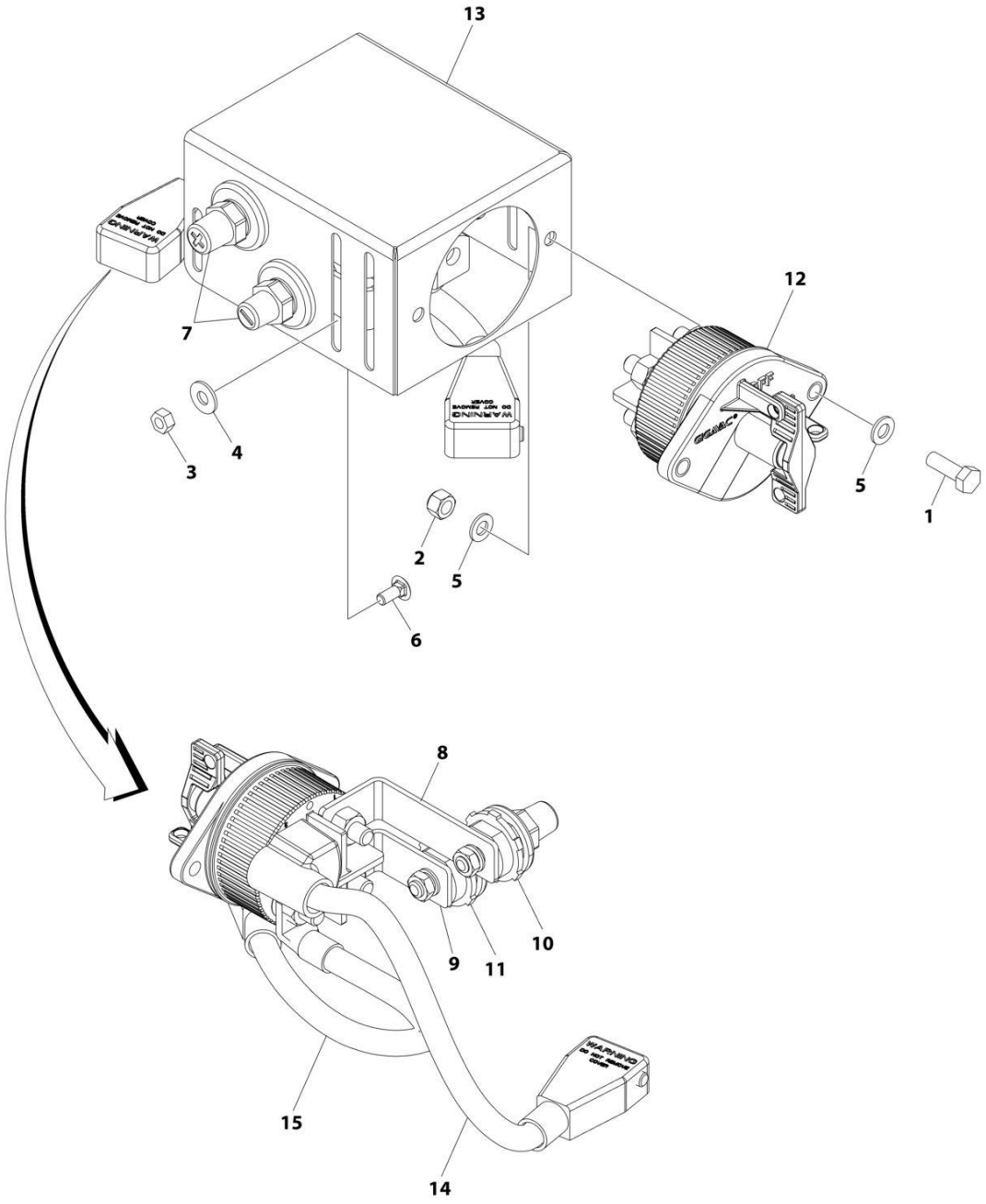


FIGURE 8-16. BATTERY DISCONNECT SWITCH

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

FIGURE 8-17. BEACON HARNESS

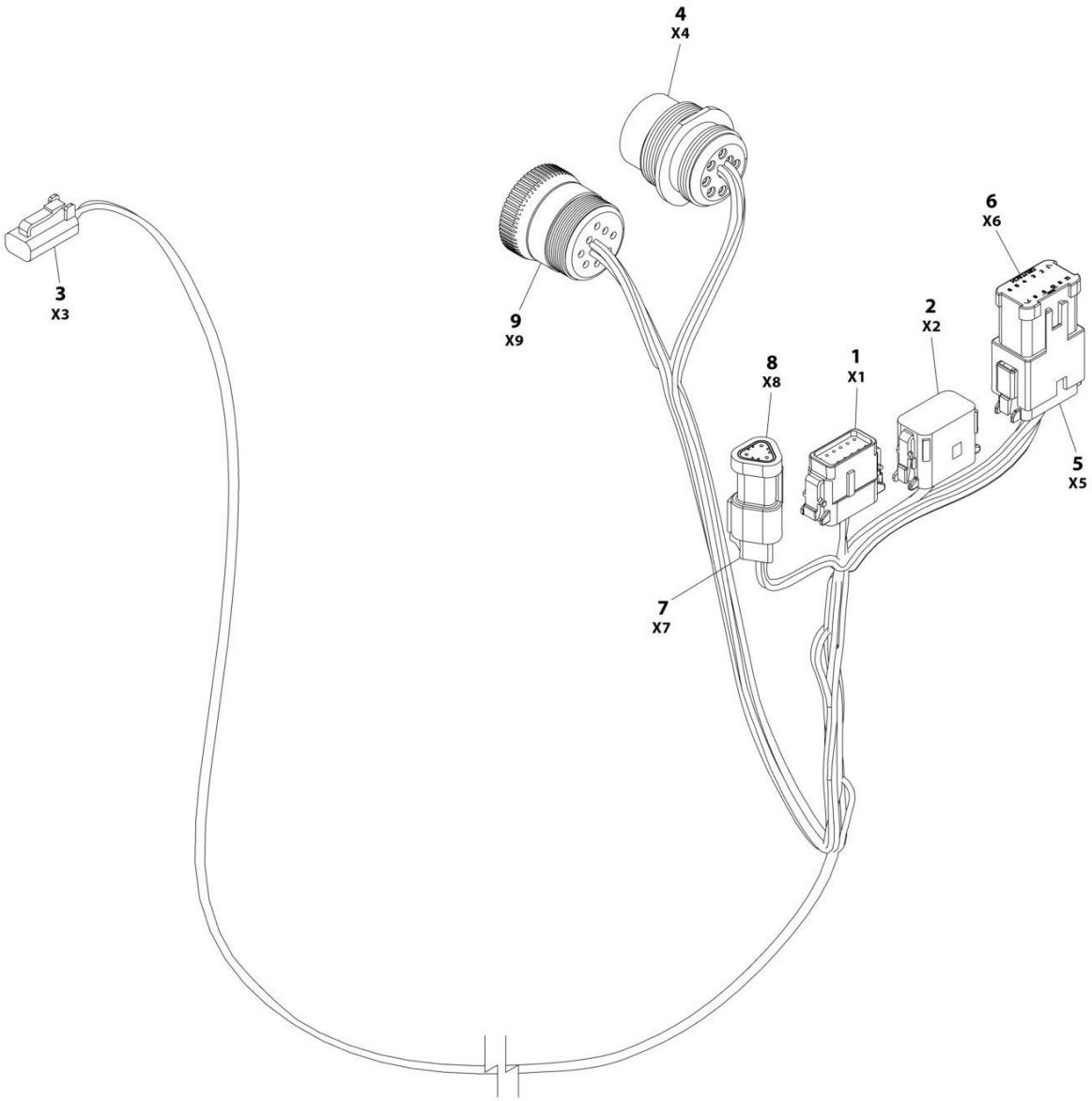


FIGURE 8-17. BEACON HARNESS

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

FIGURE 8-18. BOOM HARNESS - 400SC

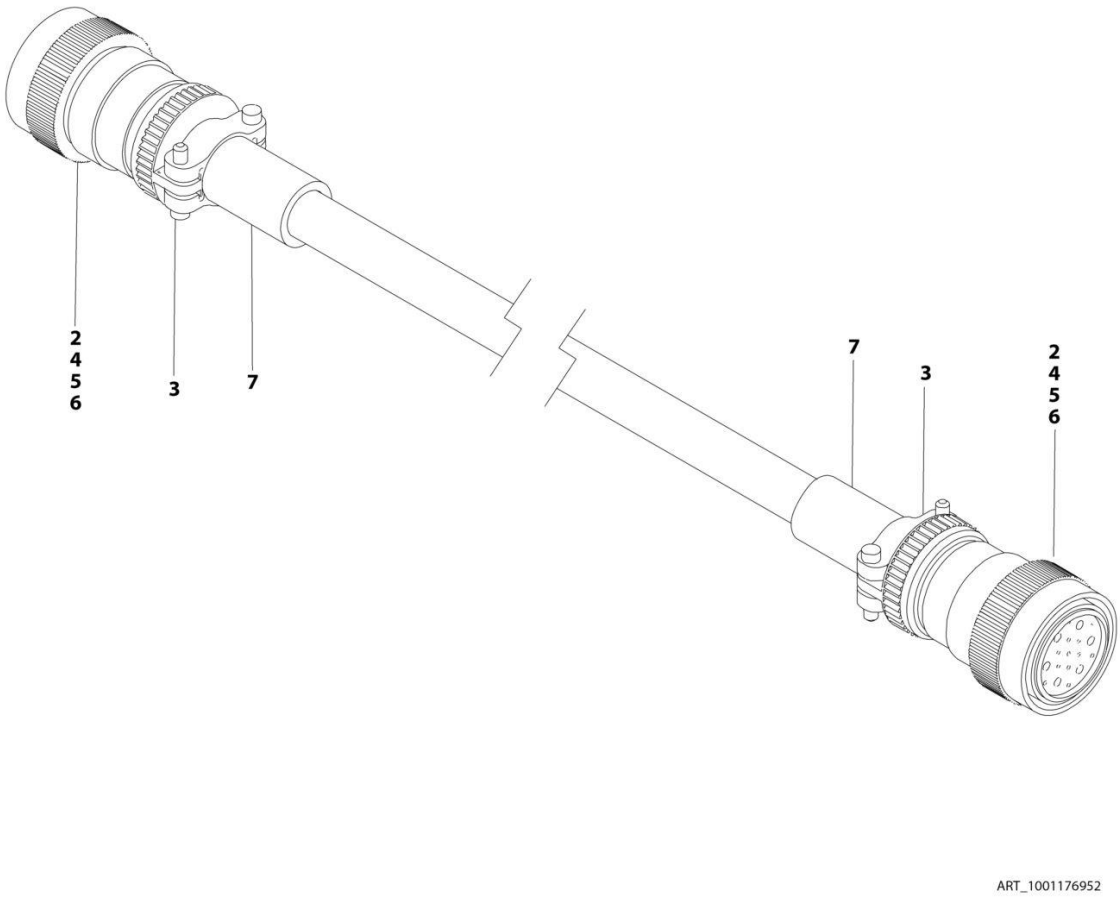


FIGURE 8-18. BOOM HARNESS - 400SC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176952	Ref	BOOM HARNESS	C
2	4460865	2	Connector - 19 Position	
3	4460473	2	Clamp	
4	4460465	20	Socket, Female	
5	4460509	8	Socket, Female	
6	4460466	10	Plug, Socket	
7	1001226400	AR	Heat Shrink	

FIGURE 8-19. BOOM HARNESS - 460SJC

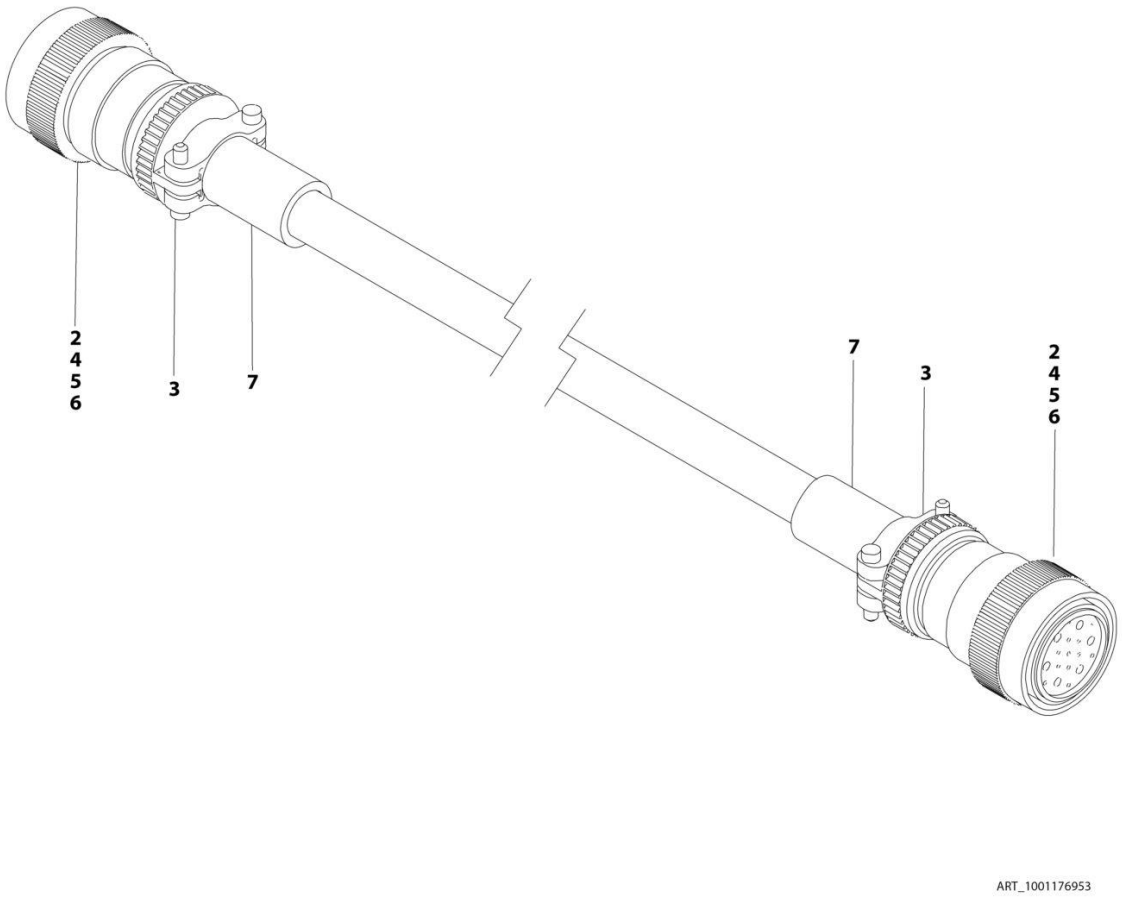


FIGURE 8-19. BOOM HARNESS - 460SJC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176953	Ref	BOOM HARNESS	C
2	4460865	2	Connector - 19 Position	
3	4460473	2	Clamp	
4	4460465	20	Socket, Female	
5	4460509	8	Socket, Female	
6	4460466	10	Plug, Socket	
7	1001226400	AR	Heat Shrink	

FIGURE 8-20. BOOM CAPACITY PROXIMITY SWITCH HARNESS

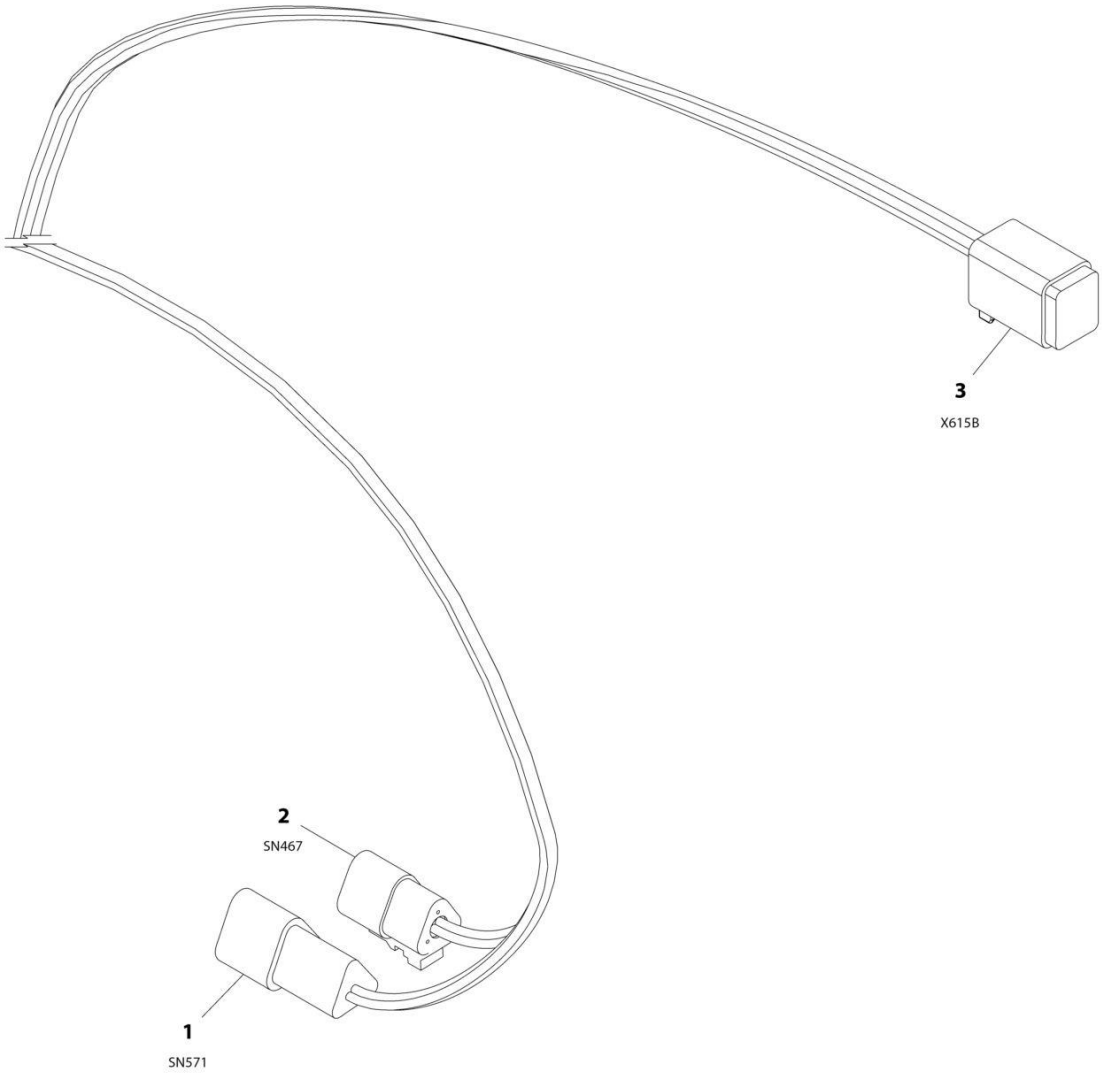


FIGURE 8-20. BOOM CAPACITY PROXIMITY SWITCH HARNESS

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

FIGURE 8-21. BOOM TELE IN PROXIMITY SWITCH HARNESS

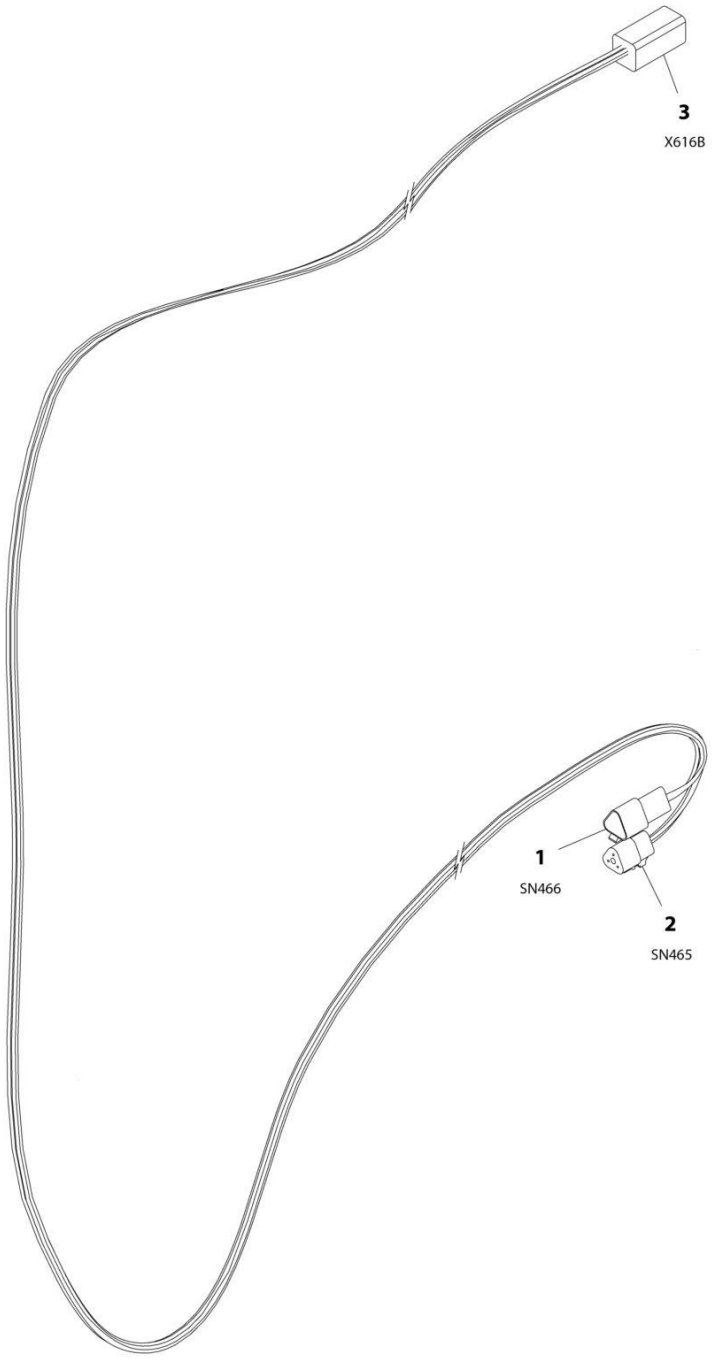


FIGURE 8-21. BOOM TELE IN PROXIMITY SWITCH HARNESS

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

FIGURE 8-22. BREAKER BOX INSTALLATION - 16AMP BREAKER (CE & UK CA SPEC)

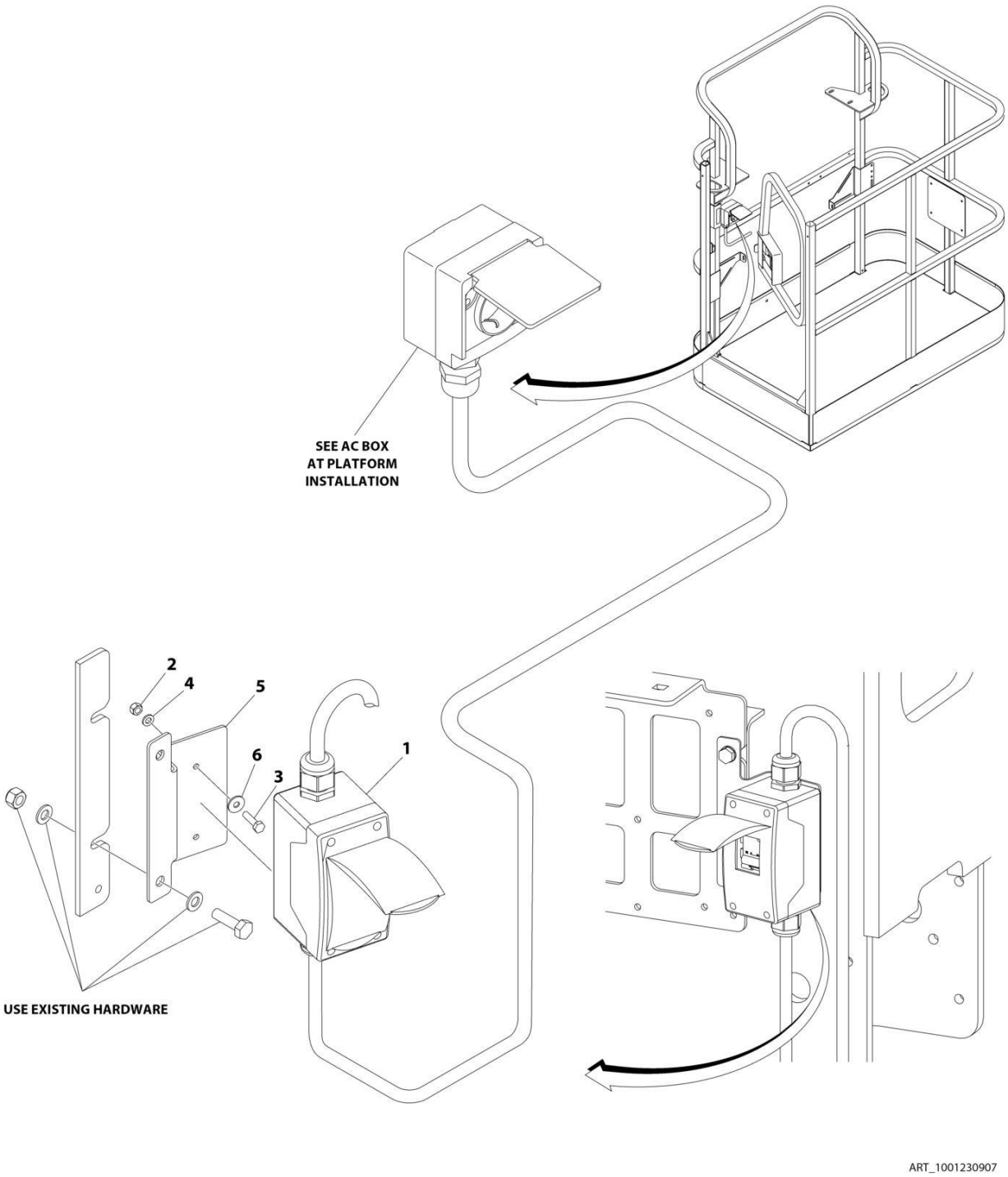


FIGURE 8-22. BREAKER BOX INSTALLATION - 16AMP BREAKER (CE & UK CA SPEC)

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

FIGURE 8-23. BREAKER BOX KIT - 16AMP BREAKER

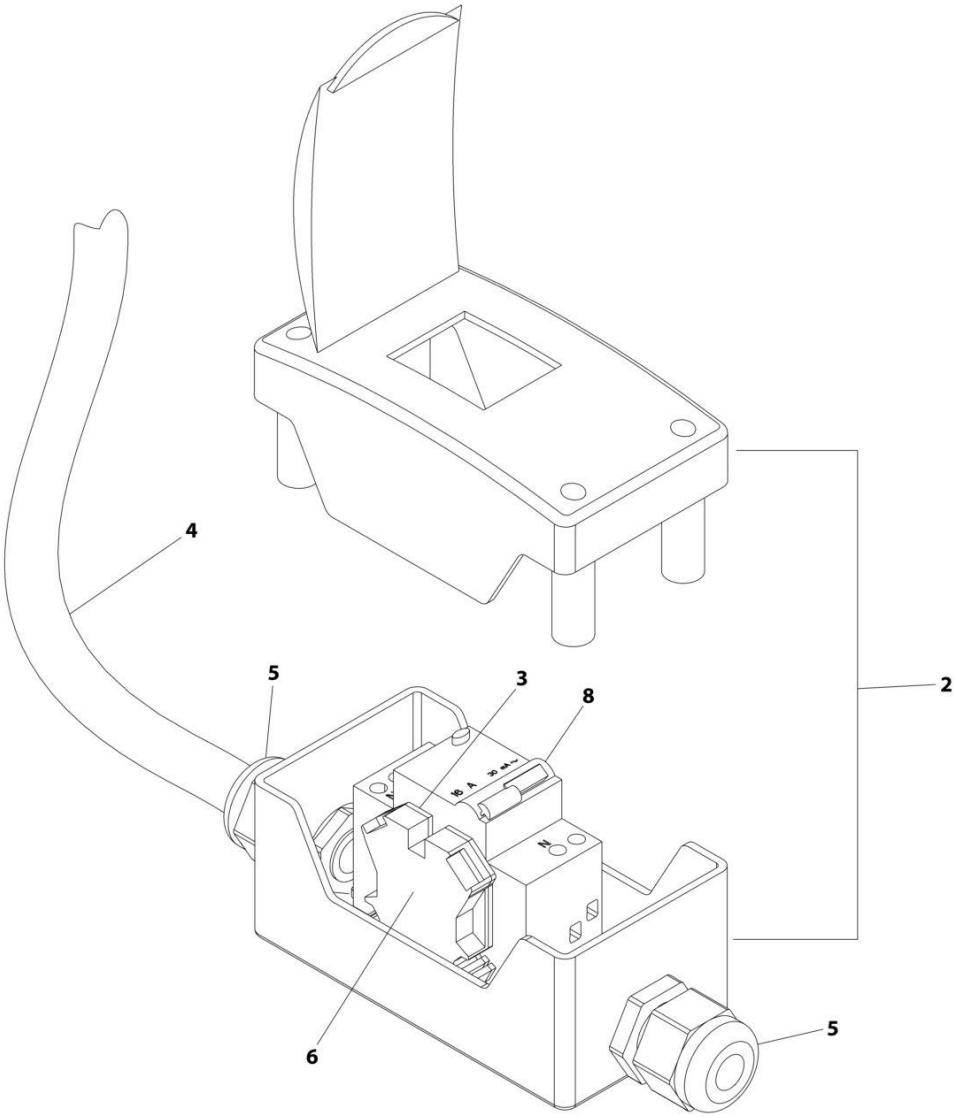


FIGURE 8-23. BREAKER BOX KIT - 16AMP BREAKER

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

FIGURE 8-24. BREAKER BOX KIT - 30MA/16 AMP

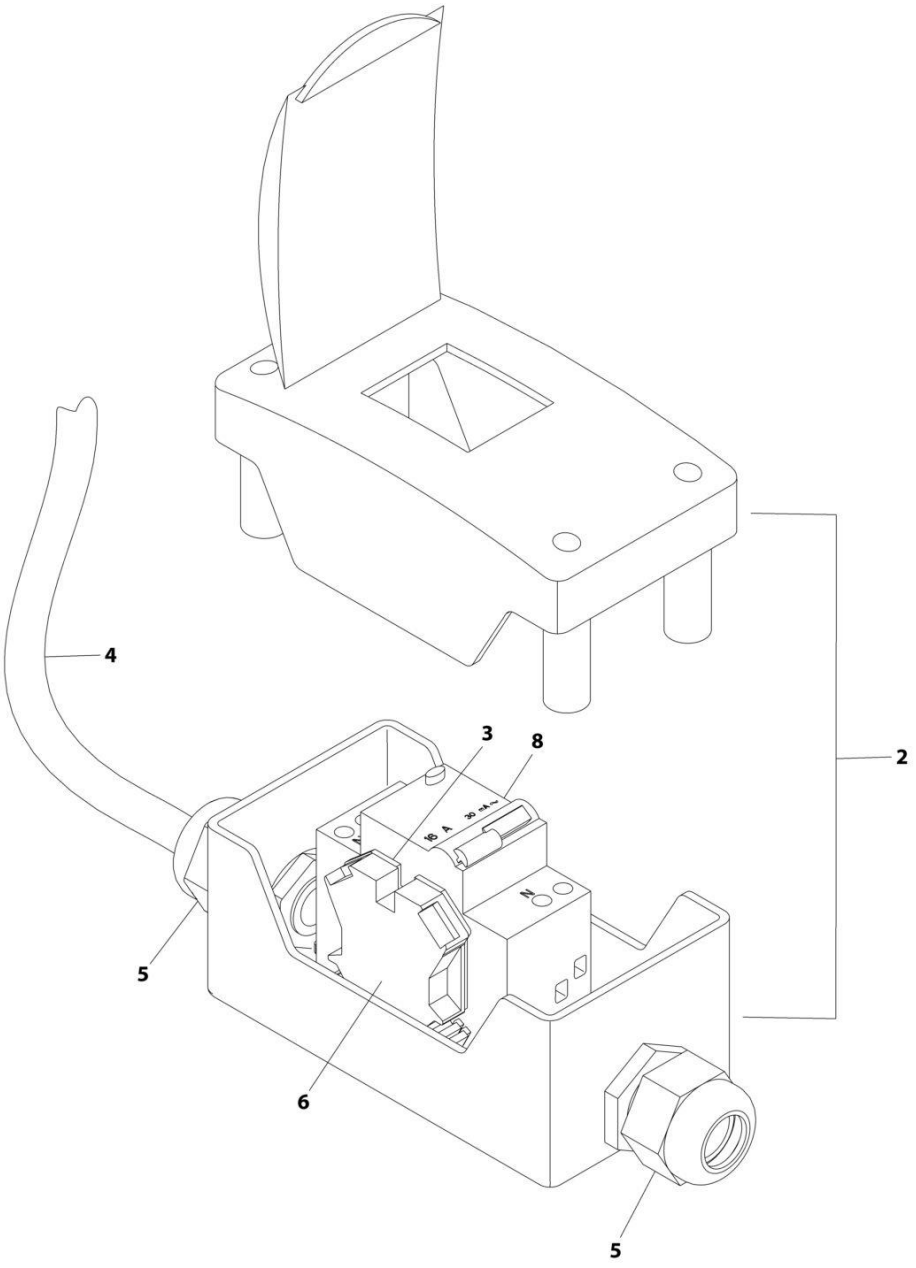


FIGURE 8-24. BREAKER BOX KIT - 30MA/16 AMP

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

FIGURE 8-25. BREAKER BOX KIT WITH THREE BREAKERS

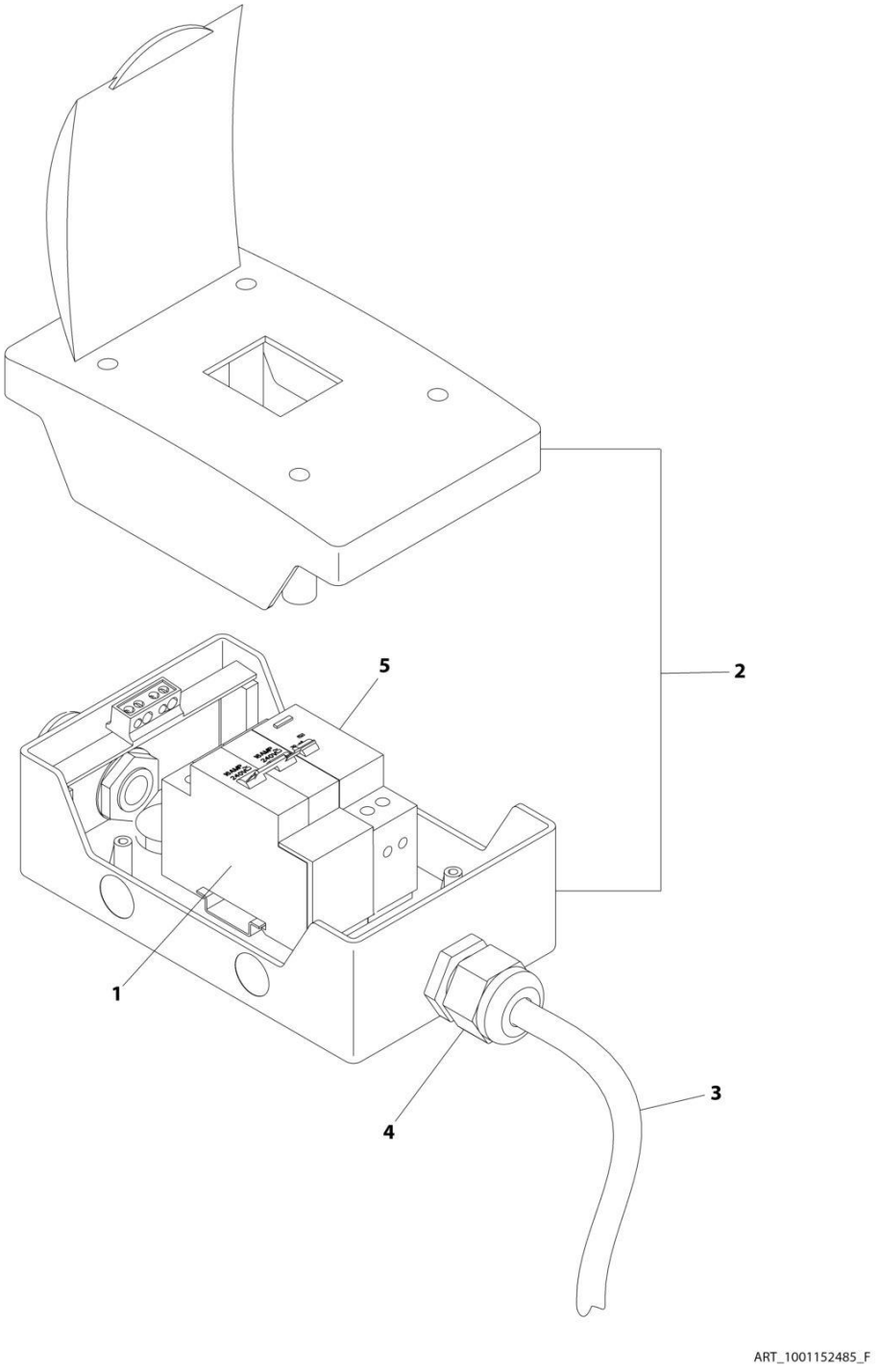


FIGURE 8-25. BREAKER BOX KIT WITH THREE BREAKERS

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

FIGURE 8-26. CABLES AND CLAMPS INSTALLATION - 400SC WITHOUT GENERATOR

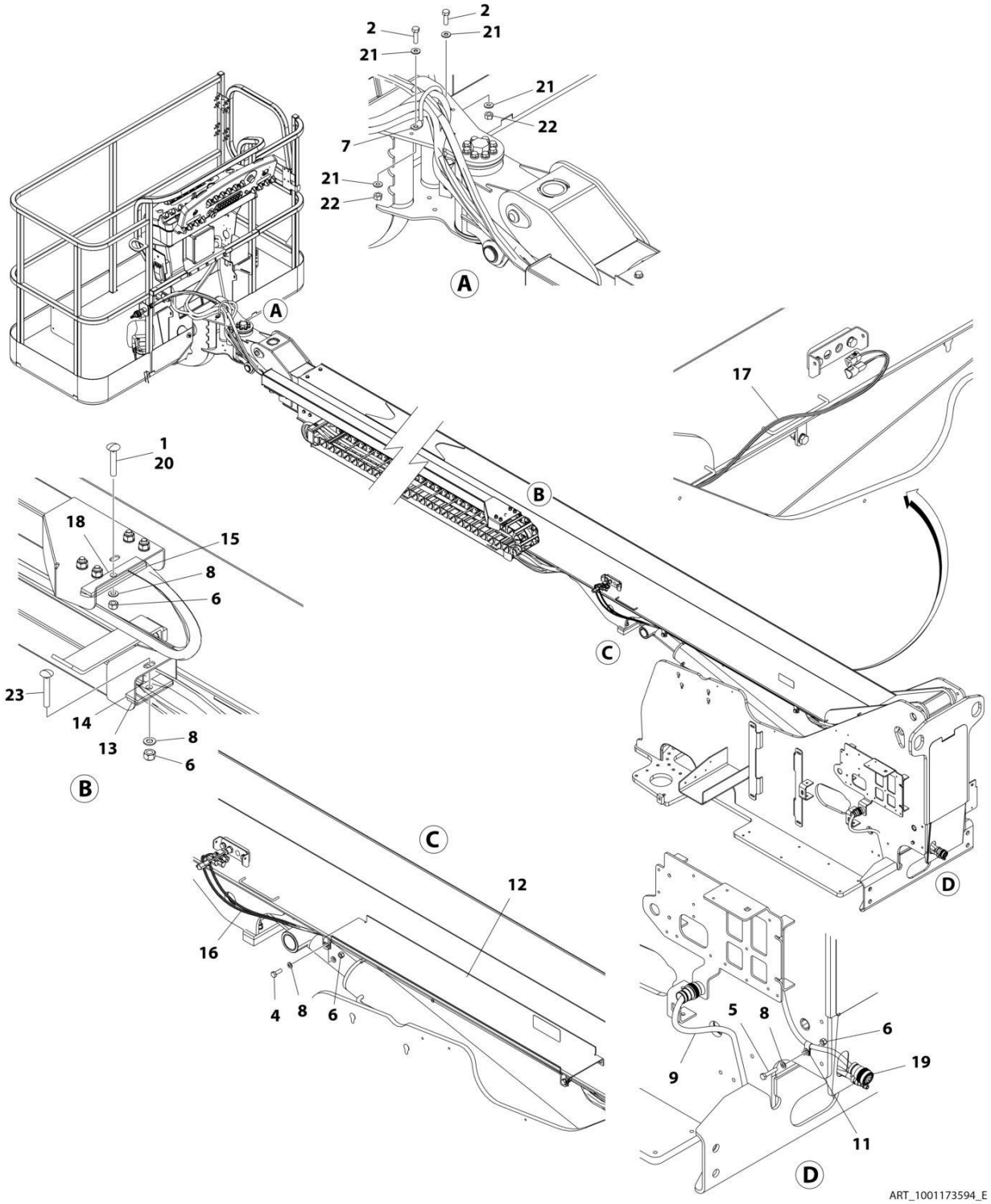


FIGURE 8-26. CABLES AND CLAMPS INSTALLATION - 400SC WITHOUT GENERATOR

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

FIGURE 8-27. CABLES AND CLAMPS INSTALLATION - 400SC WITH 4000W-50HZ GENERATOR

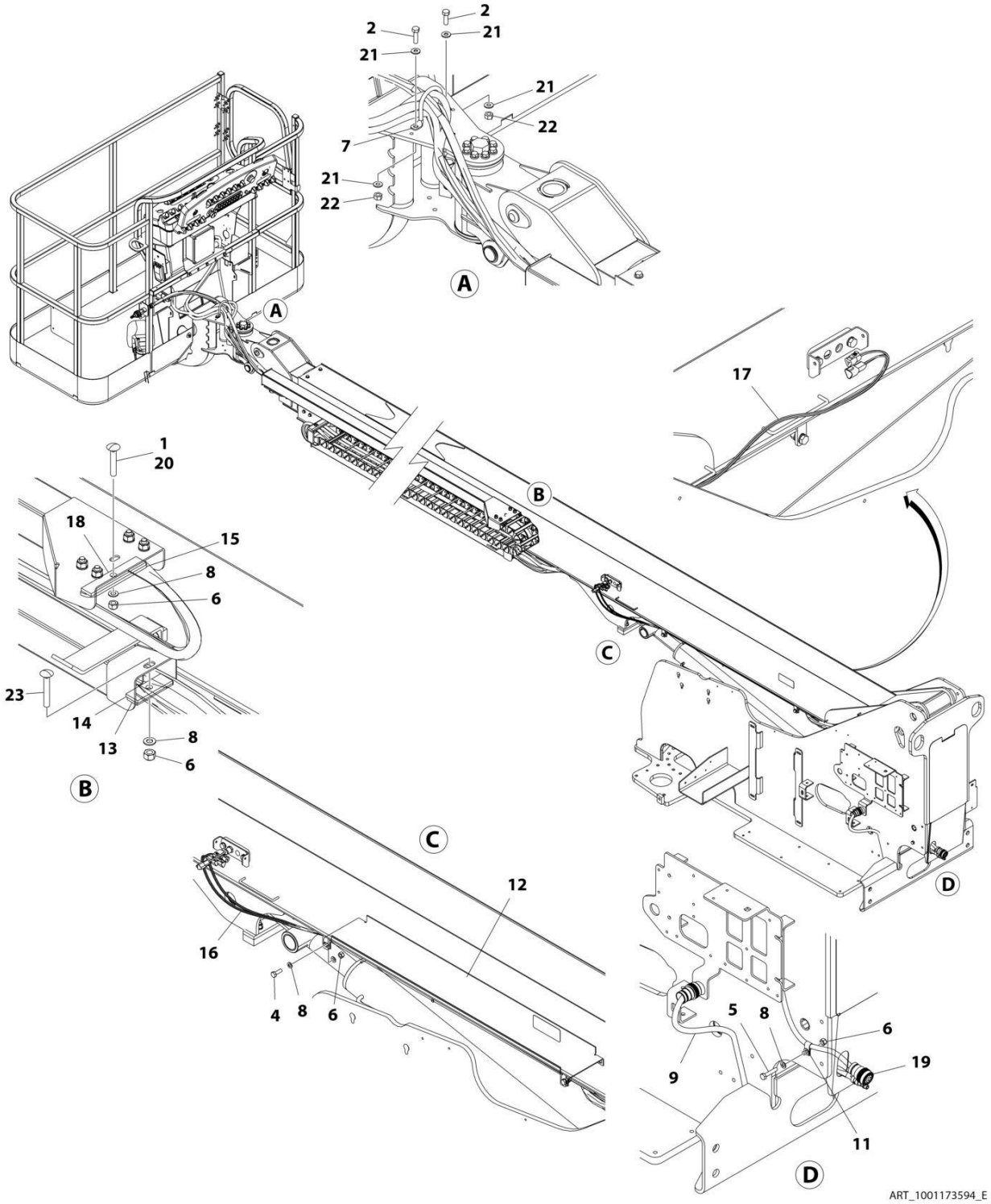


FIGURE 8-27. CABLES AND CLAMPS INSTALLATION - 400SC WITH 4000W-50HZ GENERATOR

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

FIGURE 8-28. CABLES AND CLAMPS INSTALLATION - 400SC WITH 4000W-60HZ GENERATOR

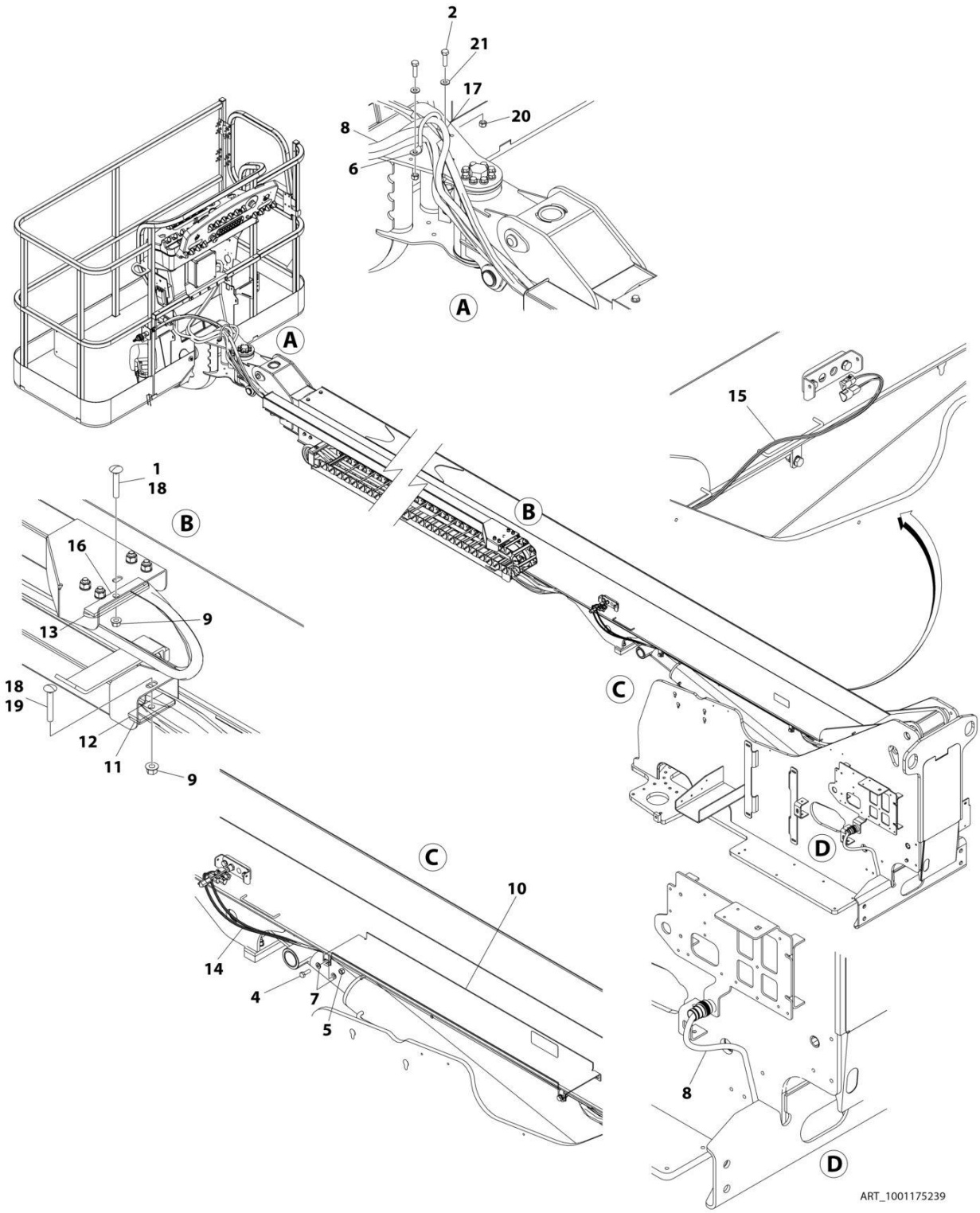


FIGURE 8-28. CABLES AND CLAMPS INSTALLATION - 400SC WITH 4000W-60HZ GENERATOR

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

FIGURE 8-29. CABLES AND CLAMPS INSTALLATION - 400SC WITH 7500W GENERATOR

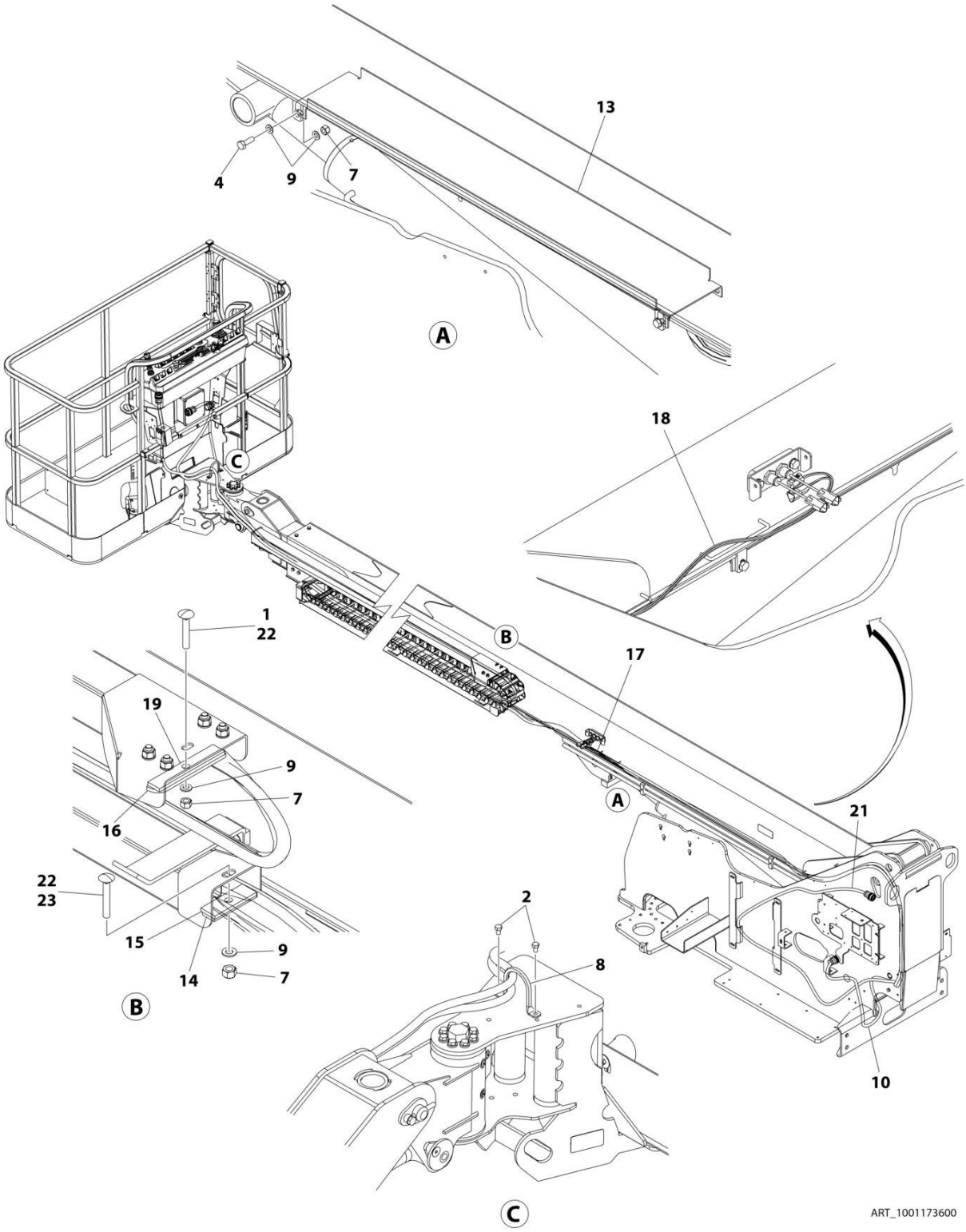


FIGURE 8-29. CABLES AND CLAMPS INSTALLATION - 400SC WITH 7500W GENERATOR

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

FIGURE 8-30. CABLES AND CLAMPS INSTALLATION - 460SJC WITHOUT GENERATOR

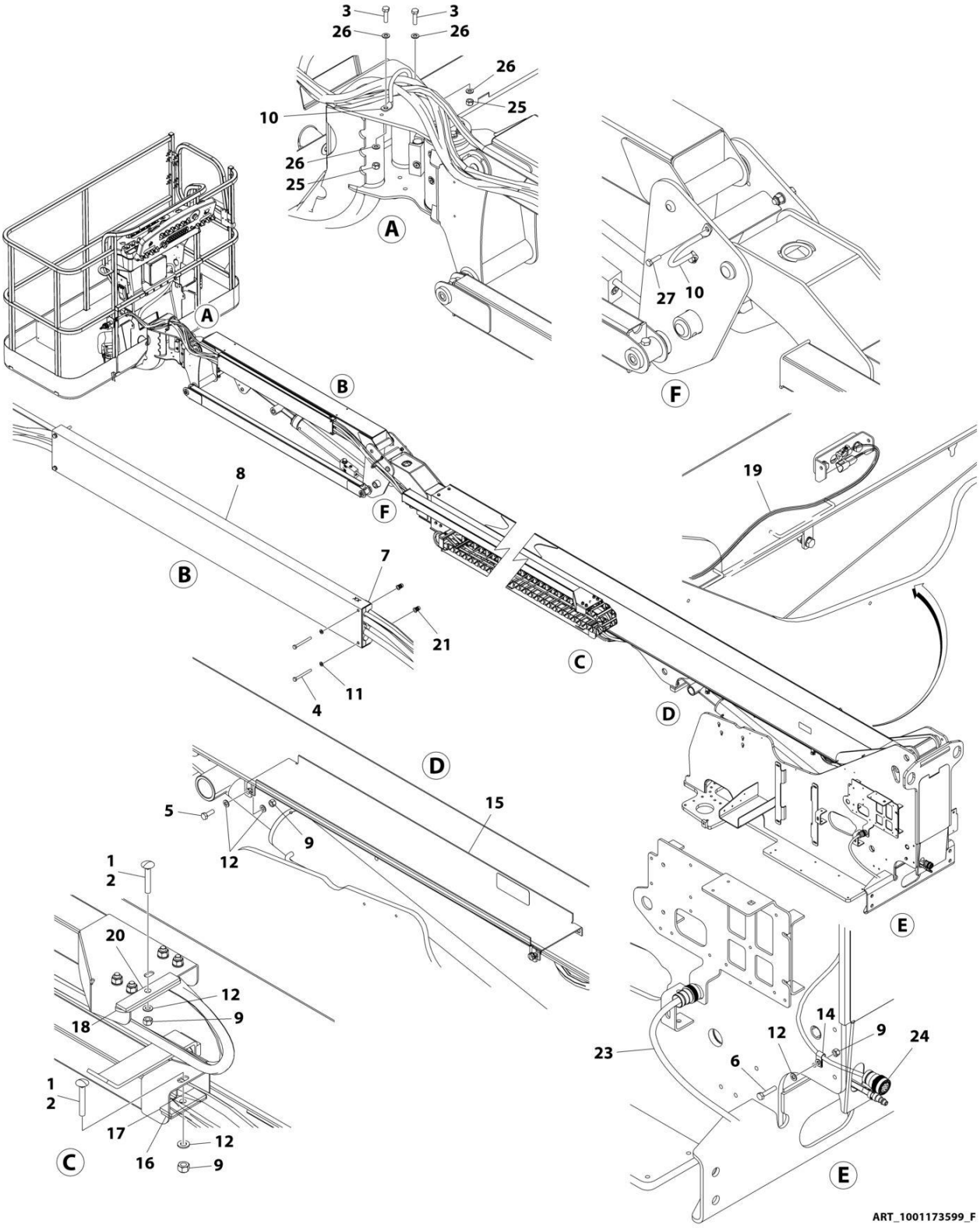


FIGURE 8-30. CABLES AND CLAMPS INSTALLATION - 460SJC WITHOUT GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173599	Ref	CABLES AND CLAMPS INSTALLATION	F
1	0100081	1	Adhesive	
2	0630563	2	Bolt, Carriage M10 x 60	
3	0760814	2	Bolt M8 x 30	
4	0641418	4	Bolt 1/4 x 2-1/4	
4	0700620	4	Bolt M6 x 60	
5	0761014	4	Bolt, M10 x 30	
6	0761018	1	Bolt, M10 x 50	
7	1001203459	2	Block, Clamp	
8	1670769	1	Cover	
9	3291005	7	Nut, Lock M10 x 1.5	
10	3841340	2	Hose Loop	
11	4811700	4	Washer, M6	
12	4812000	12	Washer, M10	
14	8406110	1	Clip	
15	1001172128	1	Bracket, Hose Cover	
16	1001173456	1	Clamp	
17	1001173665	1	Clamp	
18	1001173761	1	Bracket	
19	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
20	1001173927	1	Clamp	
21	2080044	4	Nut 1/4	
21	1001176636	4	Nut M6	
23	1001176953	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
24	1001203435	1	Cable, Electrical 12/3	
25	3290805	2	Nut, Lock M8	
26	4811900	4	Washer M8	
27	0641504	2	Bolt 5/16 x 1/2	

FIGURE 8-31. CABLES AND CLAMPS INSTALLATION - 460SJC WITH 4000W GENERATOR 50HZ

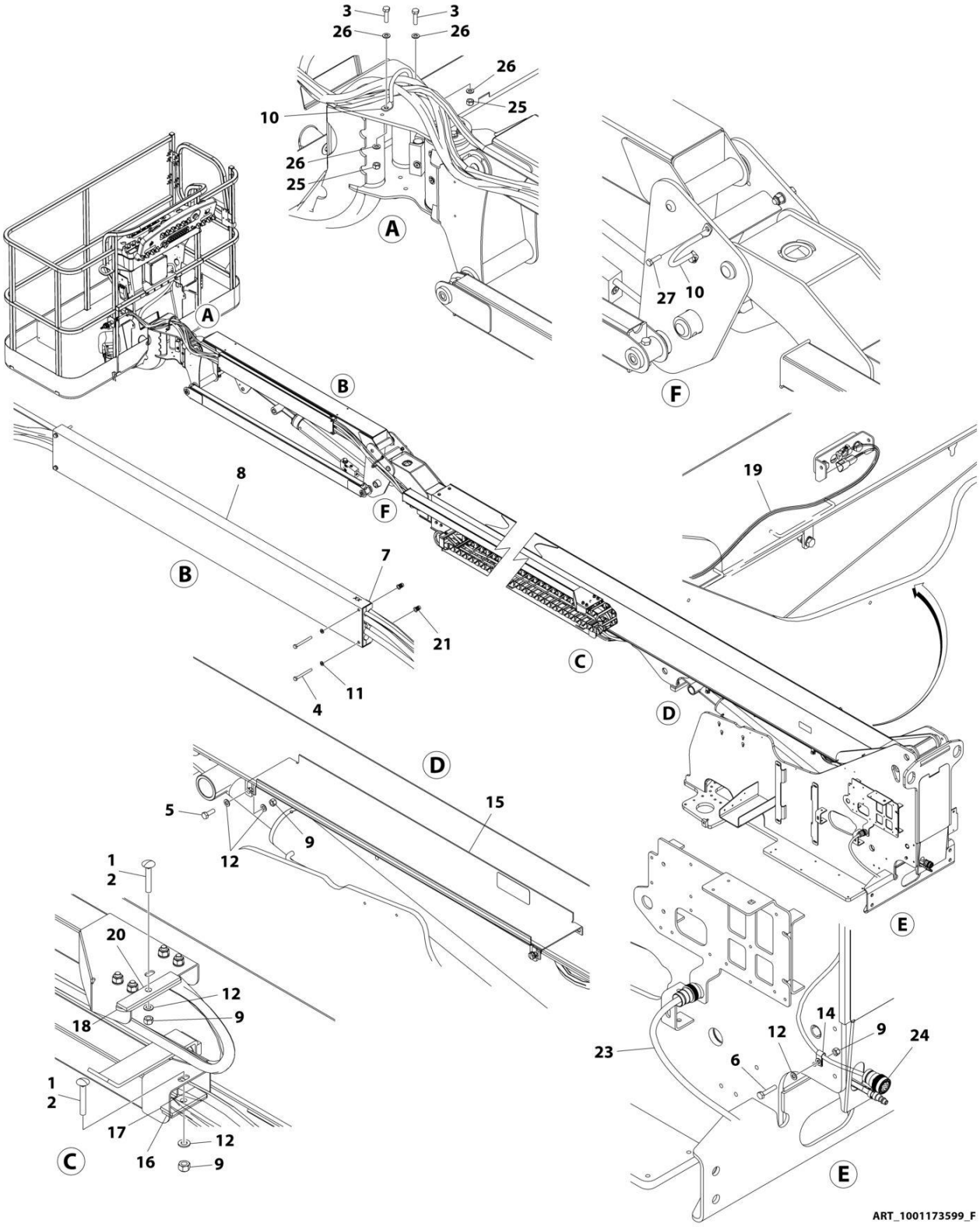


FIGURE 8-31. CABLES AND CLAMPS INSTALLATION - 460SJC WITH 4000W GENERATOR 50HZ

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173599	Ref	CABLES AND CLAMPS INSTALLATION	F
1	0100081	1	Adhesive	
2	0630563	2	Bolt, Carriage M10 x 60	
3	0760814	2	Bolt M8 x 30	
4	0641418	4	Bolt 1/4 x 2-1/4	
4	0700620	4	Bolt M6 x 60	
5	0761014	4	Bolt, M10 x 30	
6	0761018	1	Bolt, M10 x 50	
7	1001203459	2	Block, Clamp	
8	1670769	1	Cover	
9	3291005	7	Nut, Lock M10 x 1.5	
10	3841340	2	Hose Loop	
11	4811700	4	Washer, M6	
12	4812000	12	Washer, M10	
14	8406110	1	Clip	
15	1001172128	1	Bracket, Hose Cover	
16	1001173456	1	Clamp	
17	1001173665	1	Clamp	
18	1001173761	1	Bracket	
19	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
20	1001173927	1	Clamp	
21	2080044	4	Nut 1/4	
21	1001176636	4	Nut M6	
23	1001176953	1	Harness, Main Boom Cable (See Separate Breakdown in this Section)	
24	1001203435	1	Cable, Electrical 12/3	
25	3290805	2	Nut, Lock M8	
26	4811900	4	Washer M8	
27	0641504	2	Bolt 5/16 x 1/2	

FIGURE 8-32. CABLES AND CLAMPS INSTALLATION - 460SJC WITH 4000W GENERATOR 60HZ

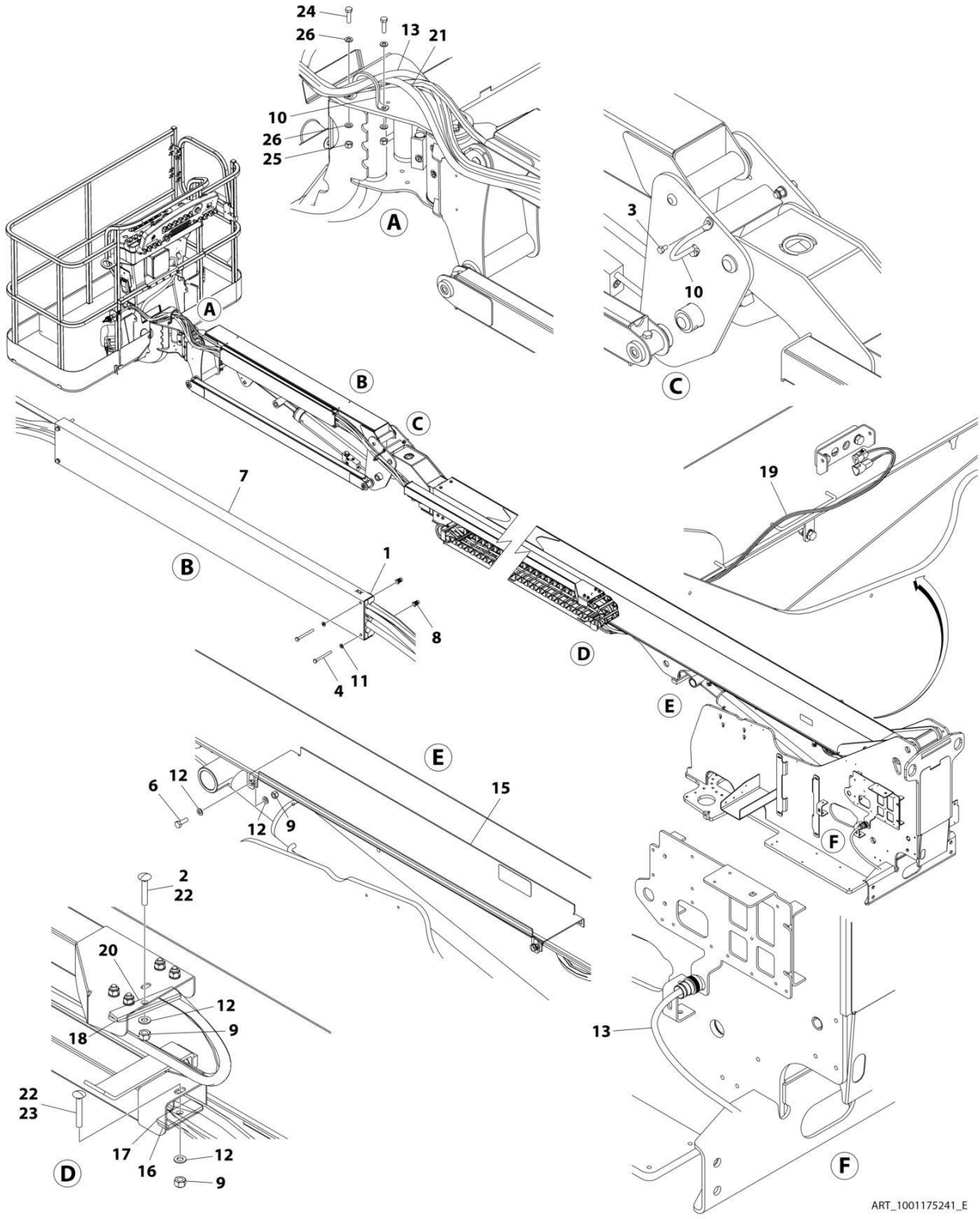


FIGURE 8-32. CABLES AND CLAMPS INSTALLATION - 460SJC WITH 4000W GENERATOR 60HZ

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

FIGURE 8-33. CABLES AND CLAMPS INSTALLATION - 460SJC WITH 7500W GENERATOR

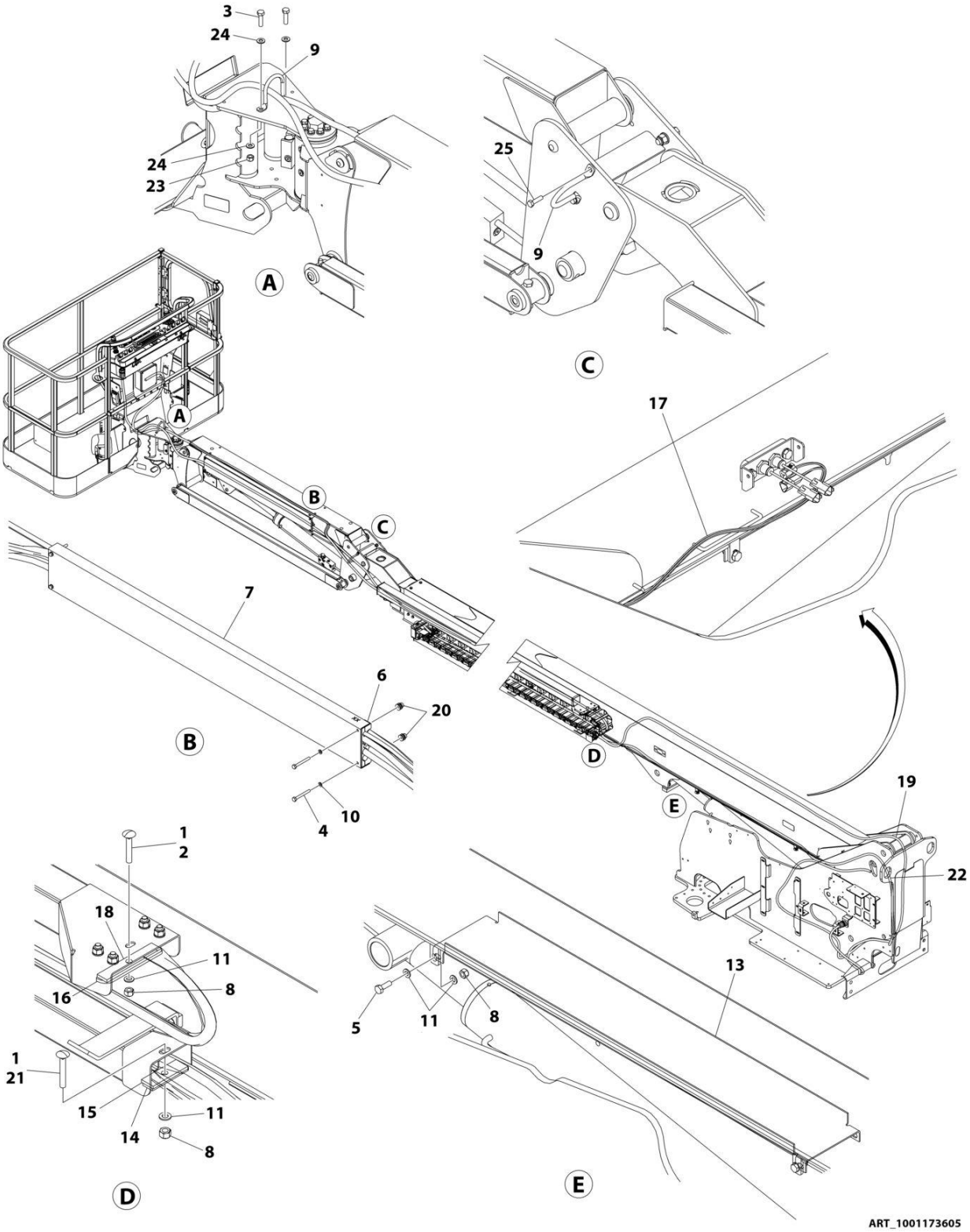


FIGURE 8-33. CABLES AND CLAMPS INSTALLATION - 460SJC WITH 7500W GENERATOR

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

FIGURE 8-34. ENGINE HARNESS - DEUTZ D2011

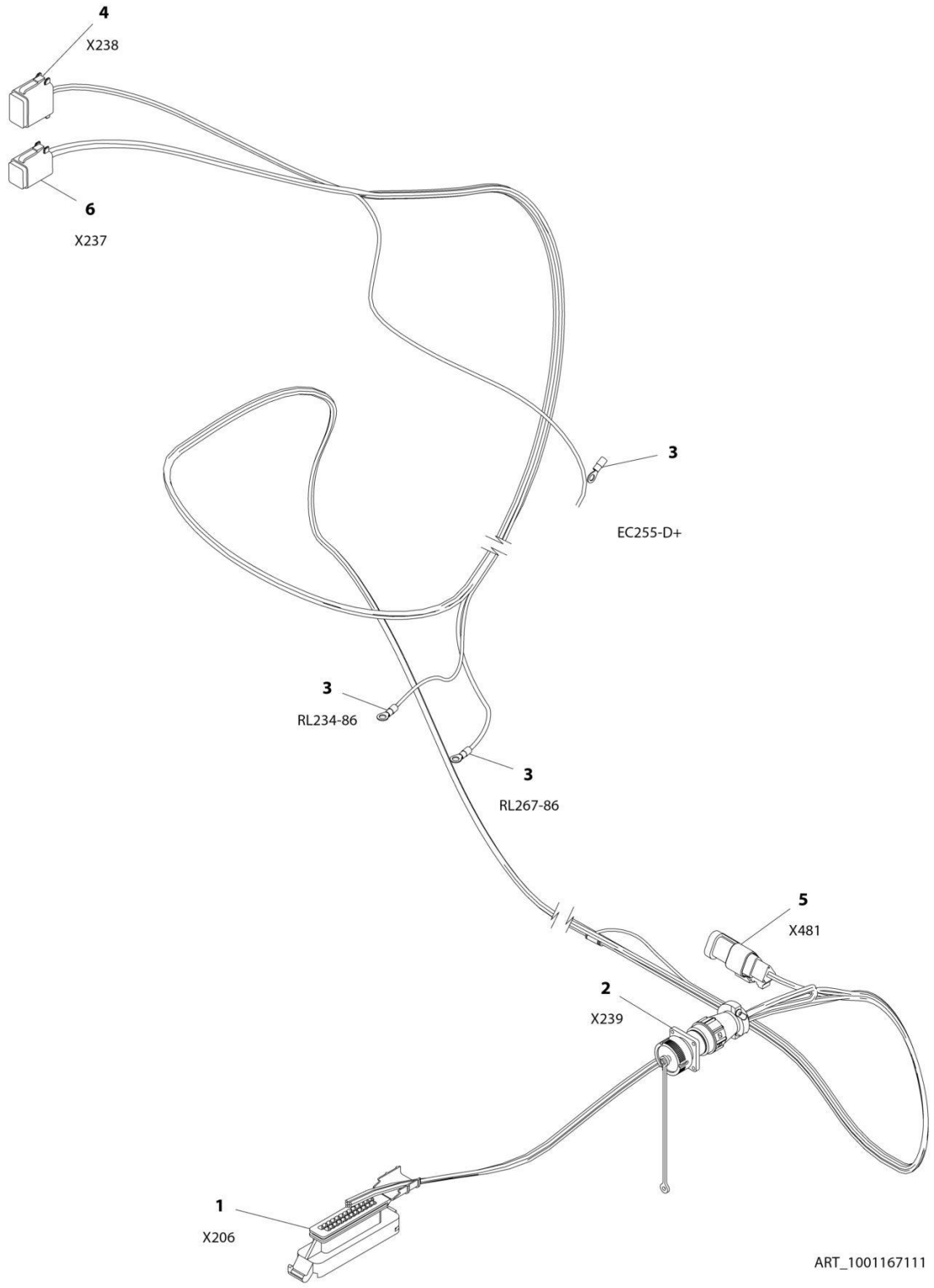


FIGURE 8-34. ENGINE HARNESS - DEUTZ D2011

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

FIGURE 8-35. ENGINE HARNESS - DEUTZ D2.9L4

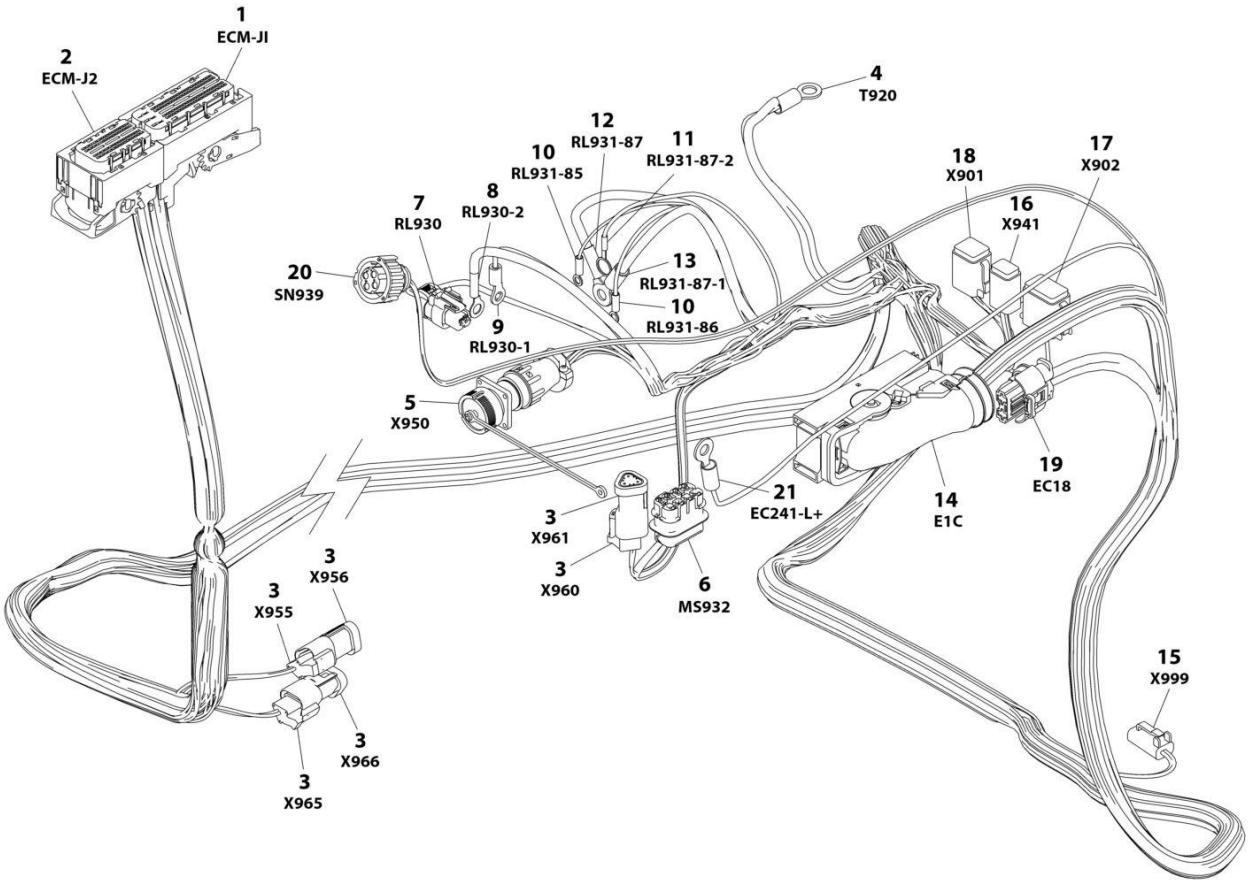


FIGURE 8-35. ENGINE HARNESS - DEUTZ D2.9L4

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

SECTION 8 - ELECTRICAL

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

FIGURE 8-36. ENGINE HARNESS – DEUTZ D2.9L4 (STAGE V) ENGINE

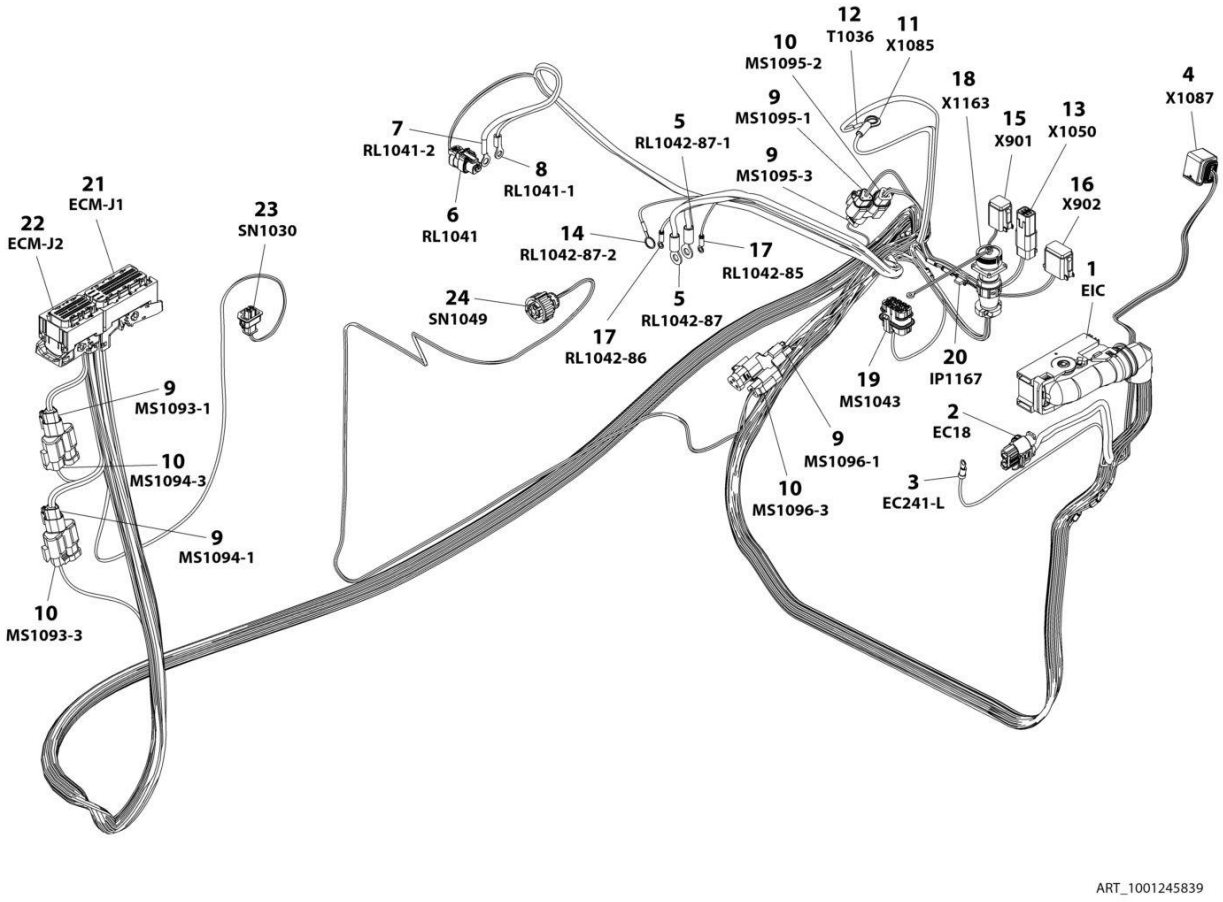


FIGURE 8-36. ENGINE HARNESS – DEUTZ D2.9L4 (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245839	Ref	ENGINE HARNESS - DEUTZ (STAGE V)	F
1	1001126362	1	Connector - 62 Position	
1	1001126363	37	Terminal	
1	1001126391	7	Seal, Terminal	
1	1001126392	12	Terminal	
1	4461008	4	Seal, Terminal	
1	1001167632	2	Terminal	
1	1001126364	36	Seal, Terminal	
1	1001223459	12	Seal, Terminal	
1	4461054	2	Seal, Terminal	
2	1001142938	1	Connector - 2 Position	
2	1001142940	2	Terminal	
2	1001142941	2	Seal, Terminal	
3	4460042	1	Terminal, Ring	
4	1001239202	1	Connector - 8 Position	
4	1001126363	7	Terminal	
4	1001126391	1	Seal, Terminal	
4	1001126364	7	Seal, Terminal	
5	1001117107	2	Terminal, Ring	
6	1001116952	1	Plug, Male - 2 Position	
6	4460465	2	Socket, Female	
7	1001117106	1	Terminal, Ring	
8	4460043	1	Terminal, Ring	
9	1001116812	5	Connector, 3 Position	
9	4460944	10	Socket, Female	
9	4460466	5	Plug, Terminal	
10	4460539	4	Plug, Male - 3 Position	
10	4460944	8	Socket, Female	
10	4460466	4	Plug, Terminal	
11	8220164	1	Terminal, Ring	
12	4460019	1	Terminal, Ring	
13	4460884	1	Plug, Male - 4 Position	
13	4460465	2	Socket, Female	
13	4460942	2	Socket, Female	
14	4460703	1	Terminal, Ring	
15	4460894	1	Plug, Male - 6 Position	
15	4460465	2	Socket, Female	
15	4460944	2	Socket, Female	
15	4460465	2	Socket, Female	
16	4460930	1	Plug, Male - 8 Position	
16	4460465	1	Socket, Female	
16	4460466	7	Plug, Terminal	
17	4460247	2	Terminal, Ring	
18	2902443	1	Receptacle Kit	
18	4461071	8	Socket, Female	
18	4461072	1	Receptacle with Flange - 8 Position	
18	4461073	1	Cap, Dust	
18	4461074	1	Shell, Black	
19	80484084	1	Connector - 8 Position	
19	4460746	3	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	1001234800	1	Terminal	
19	4460748	4	Plug, Terminal	
19	4460458	4	Seal	
20	1001170764	1	Holder, Fuse	
20	1001197719	1	Fuse 0.5 Watt	
21	1001133956	1	Connector, 94 Position	
21	1001182361	8	Terminal	
21	1001126351	3	Terminal	
21	1001230934	25	Terminal	
21	1001230935	55	Plug, Terminal	
21	1001252527	4	Terminal	
21	1001230936	1	Plug, Terminal	
21	1001182365	8	Seal	
22	1001133957	1	Connector - 60 Position	
22	1001230936	11	Plug, Terminal	
22	1001126351	13	Terminal	
22	1001230935	10	Plug, Terminal	
22	1001230934	26	Terminal	
23	1001126487	1	Connector - 2 Position	
23	1001167635	2	Terminal	
23	1001126485	2	Seal	
24	1001133714	1	Plug, Male - 4 Position	
24	1001133715	3	Terminal	
24	1001135651	1	Plug, Terminal	
24	1001135650	2	Seal	

FIGURE 8-37. FUEL HARNESS - DEUTZ D2.9L4 ENGINE

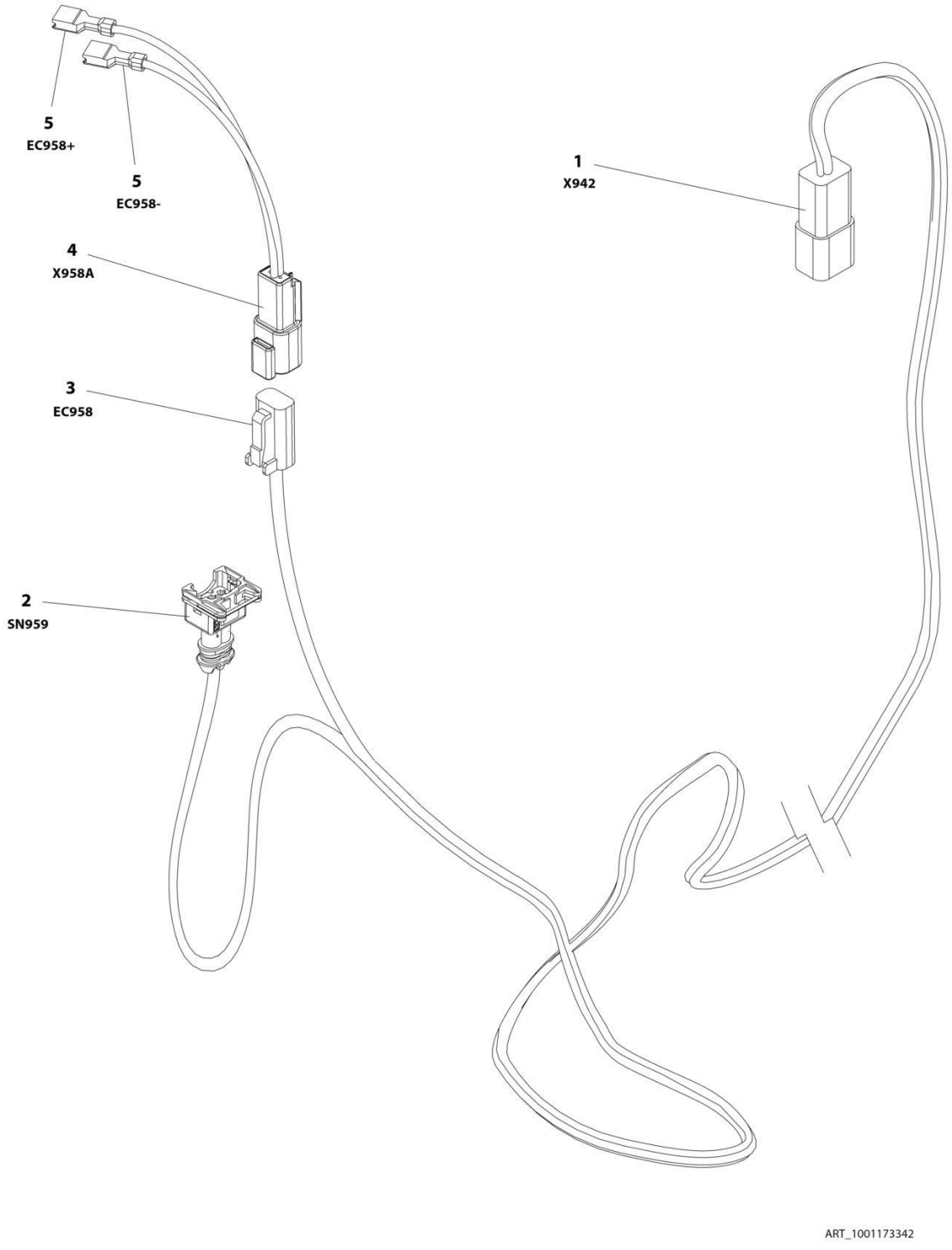


FIGURE 8-37. FUEL HARNESS - DEUTZ D2.9L4 ENGINE

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

FIGURE 8-38. GROUND CONTROL BOX HARNESS

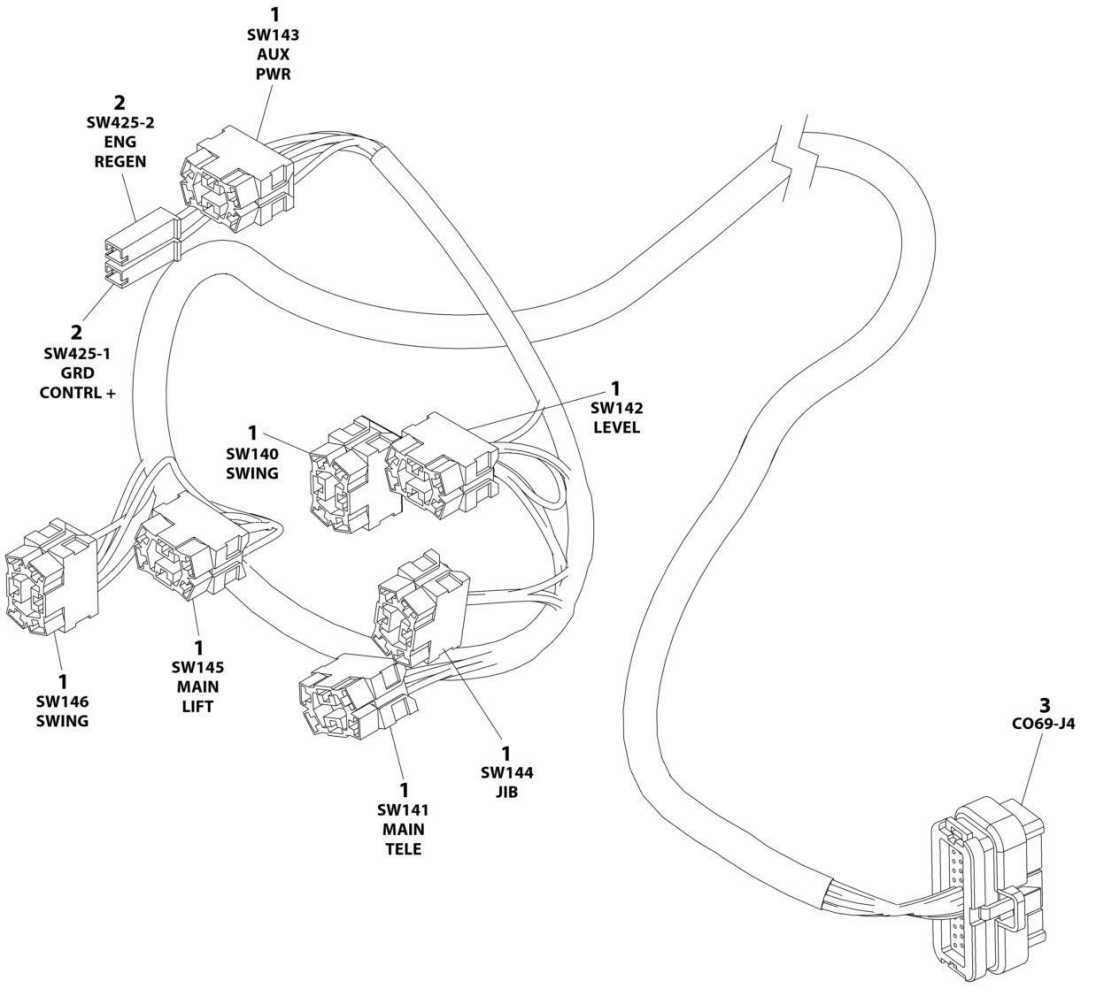


FIGURE 8-38. GROUND CONTROL BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238161	Ref	GROUND CONTROL BOX HARNESS	C
1	4460418	7	Connector - 6 Position	
1	4460419	27	Terminal	
2	4460260	2	Housing, Terminal	
2	4460259	2	Terminal	
3	4460876	1	Connector - 35 Position	
3	4460871	16	Socket, Female	
3	4460905	19	Plug, Terminal	

FIGURE 8-39. GENERATOR HARNESS - 4000W GENERATOR

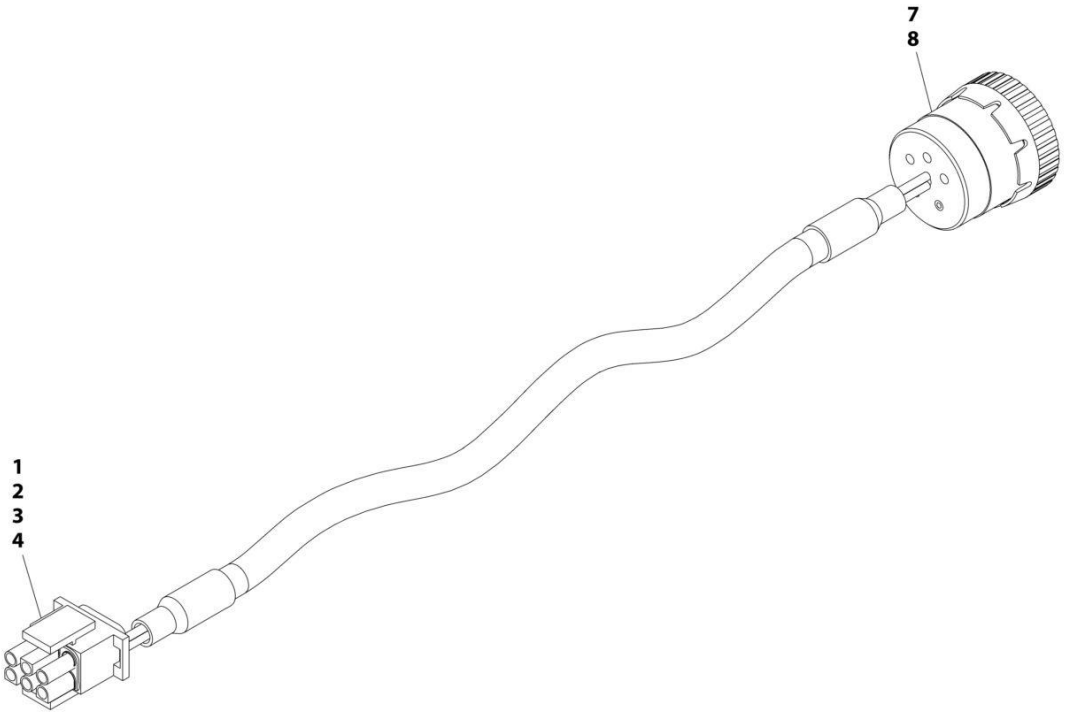


FIGURE 8-39. GENERATOR HARNESS - 4000W GENERATOR

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 8-40. GENERATOR HARNESS - 2500W GENERATOR (60HZ)

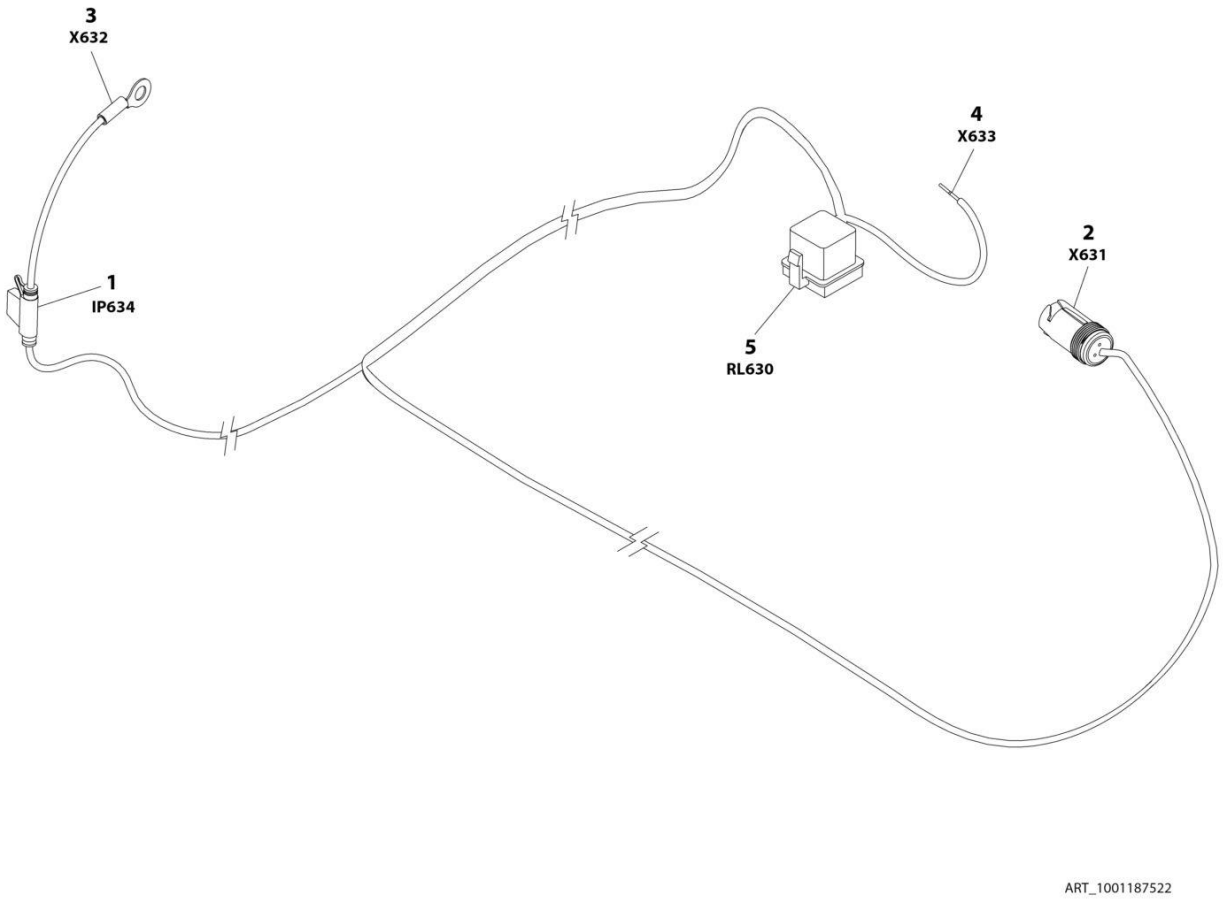


FIGURE 8-40. GENERATOR HARNESS - 2500W GENERATOR (60HZ)

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

FIGURE 8-41. INTERFACE HARNESS - WITH 1 CELL LSS

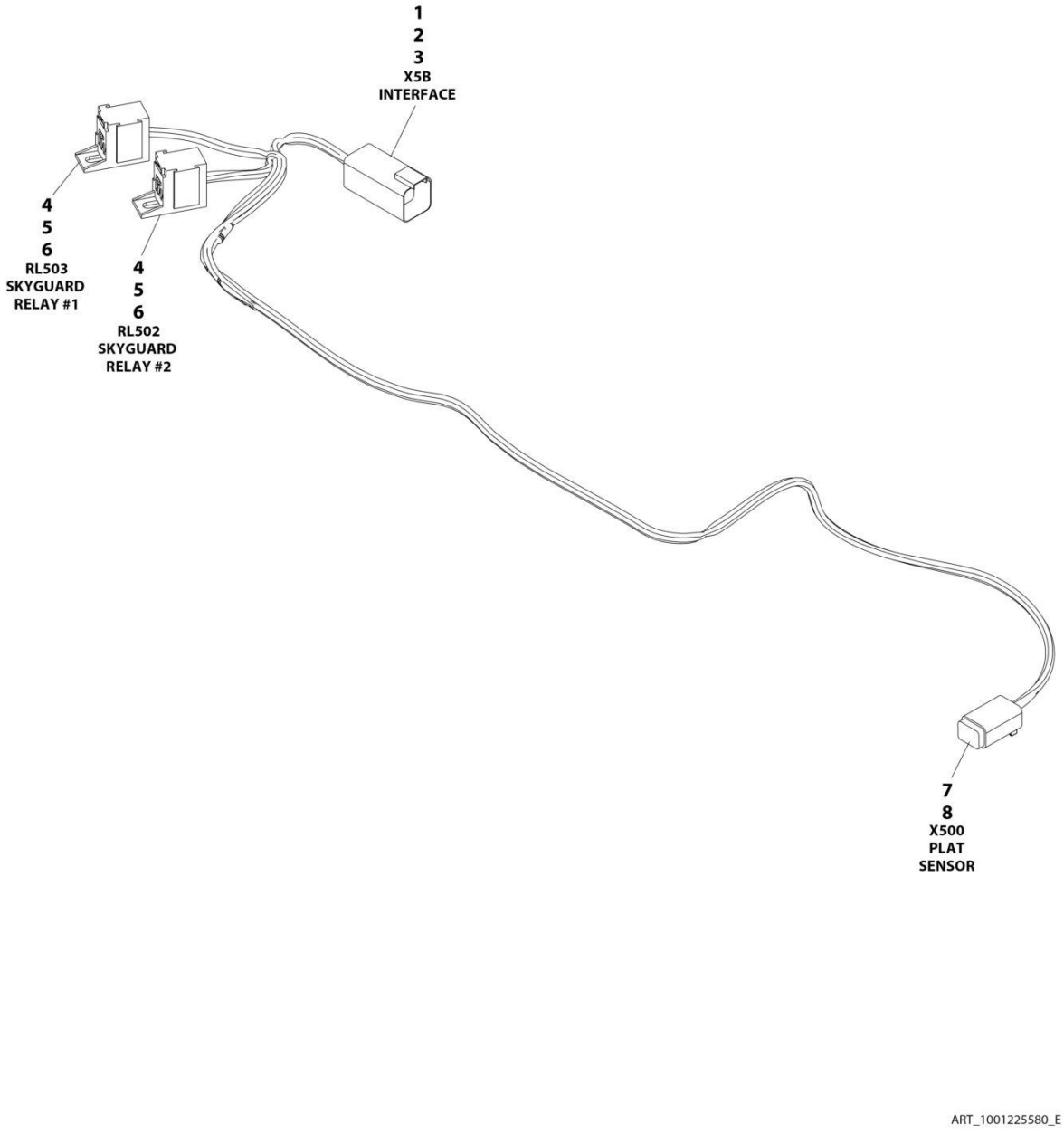


FIGURE 8-41. INTERFACE HARNESS - WITH 1 CELL LSS

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

FIGURE 8-42. LEFT DRIVE HARNESS

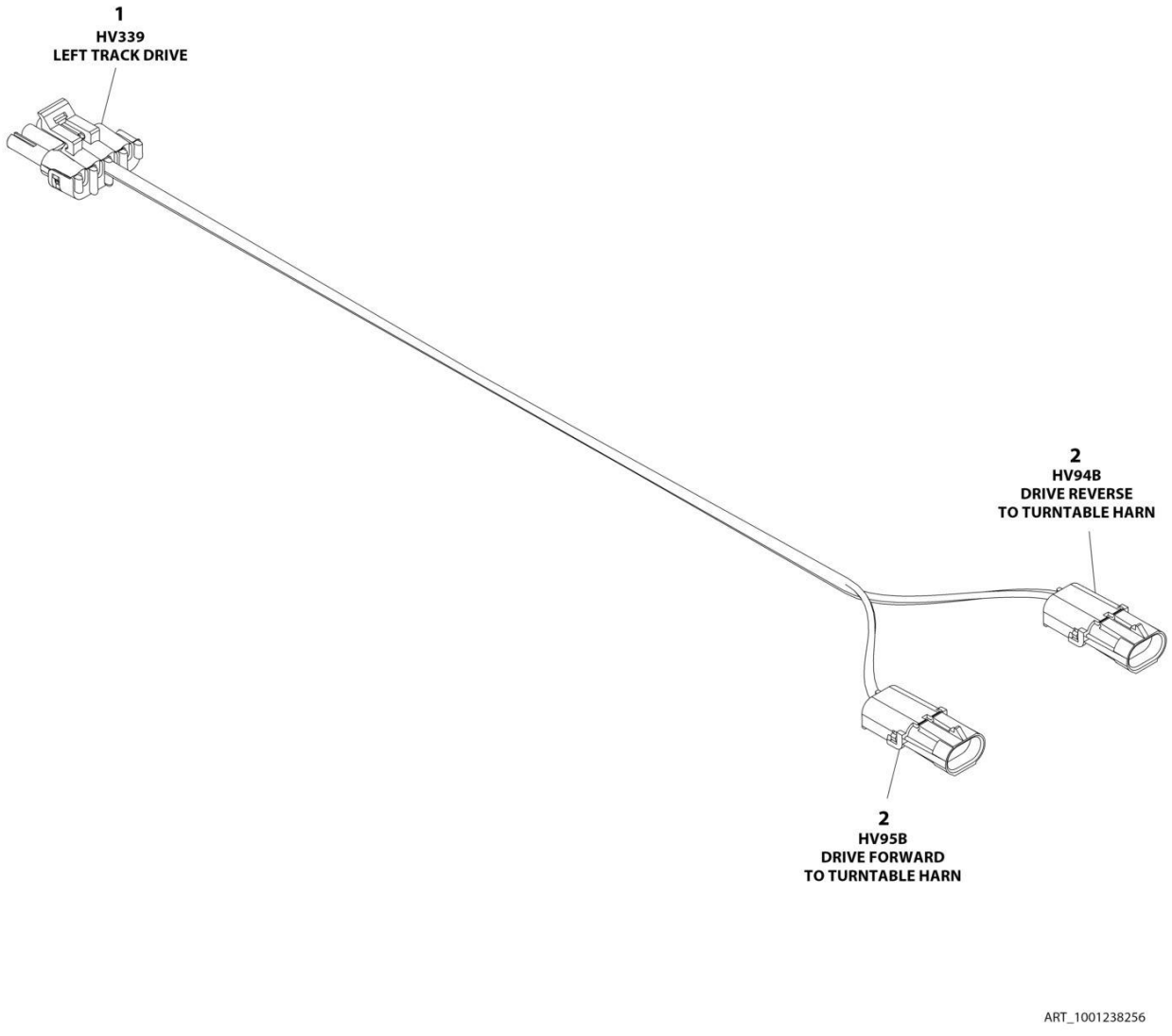


FIGURE 8-42. LEFT DRIVE HARNESS

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

FIGURE 8-43. PLATFORM CONSOLE BOX HARNESS

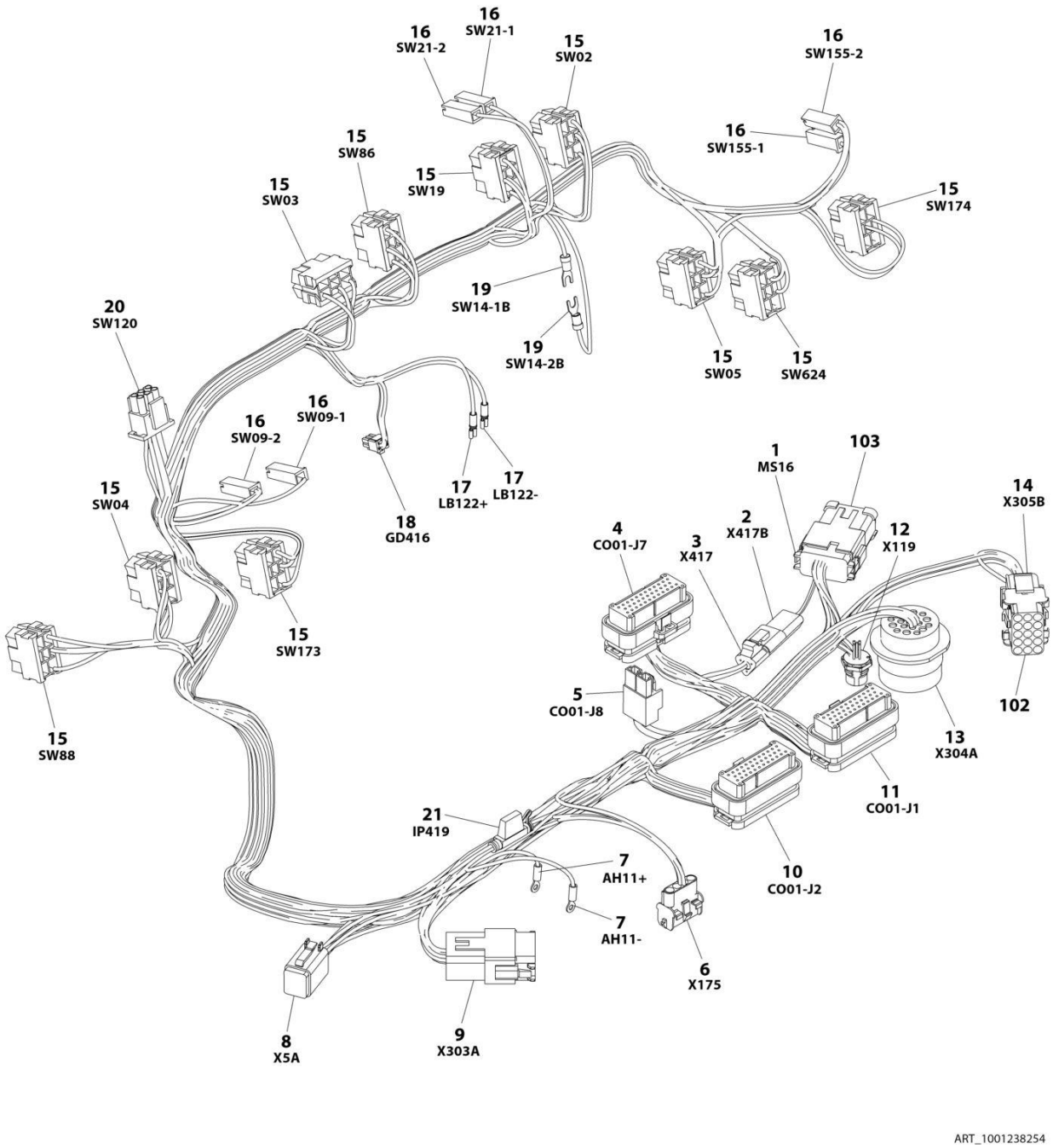


FIGURE 8-43. PLATFORM CONSOLE BOX HARNESS

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

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	1001125677	1	Connector, Bussbar - 12 Posititon	

FIGURE 8-44. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)

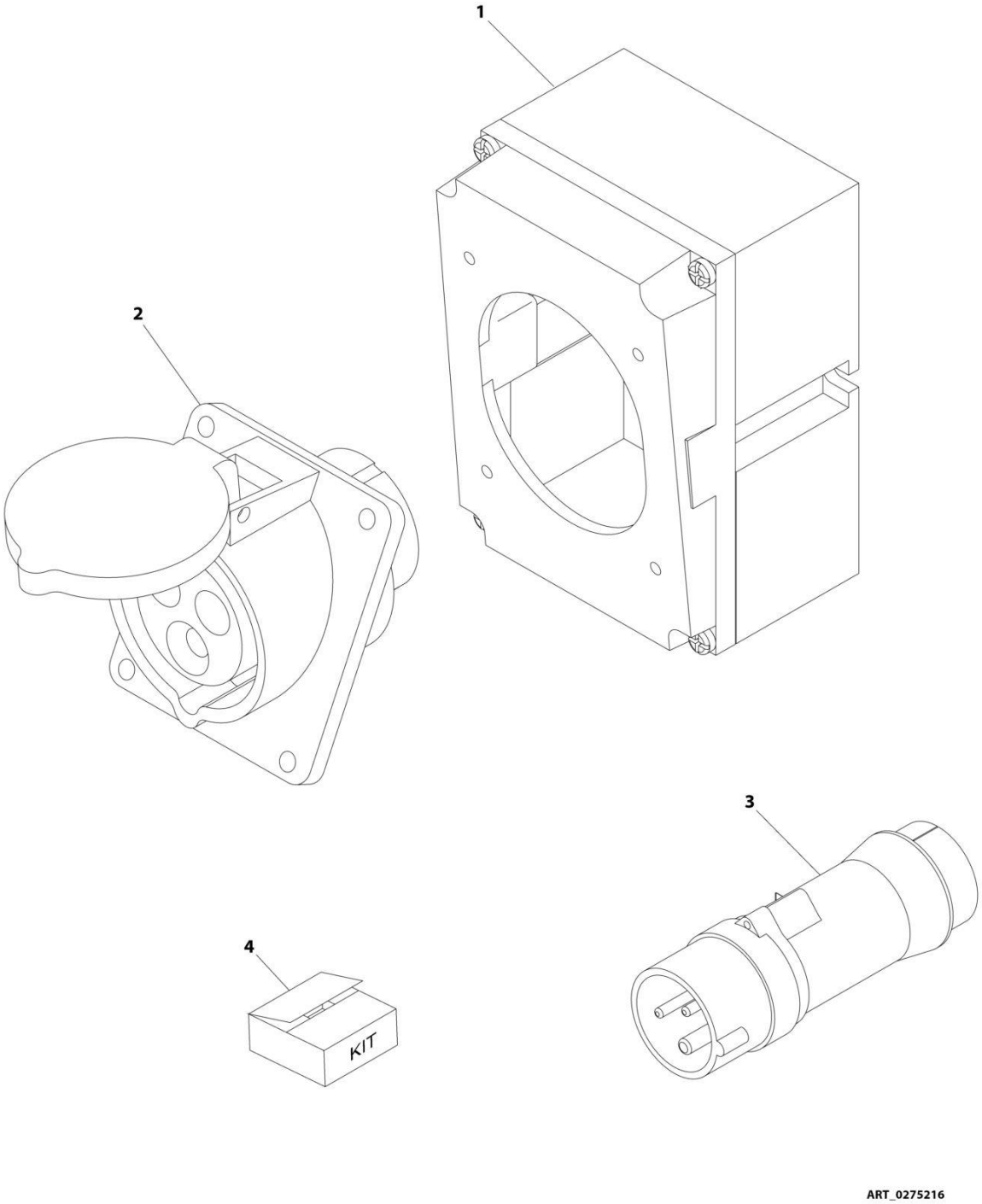


FIGURE 8-44. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)

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

FIGURE 8-45. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)

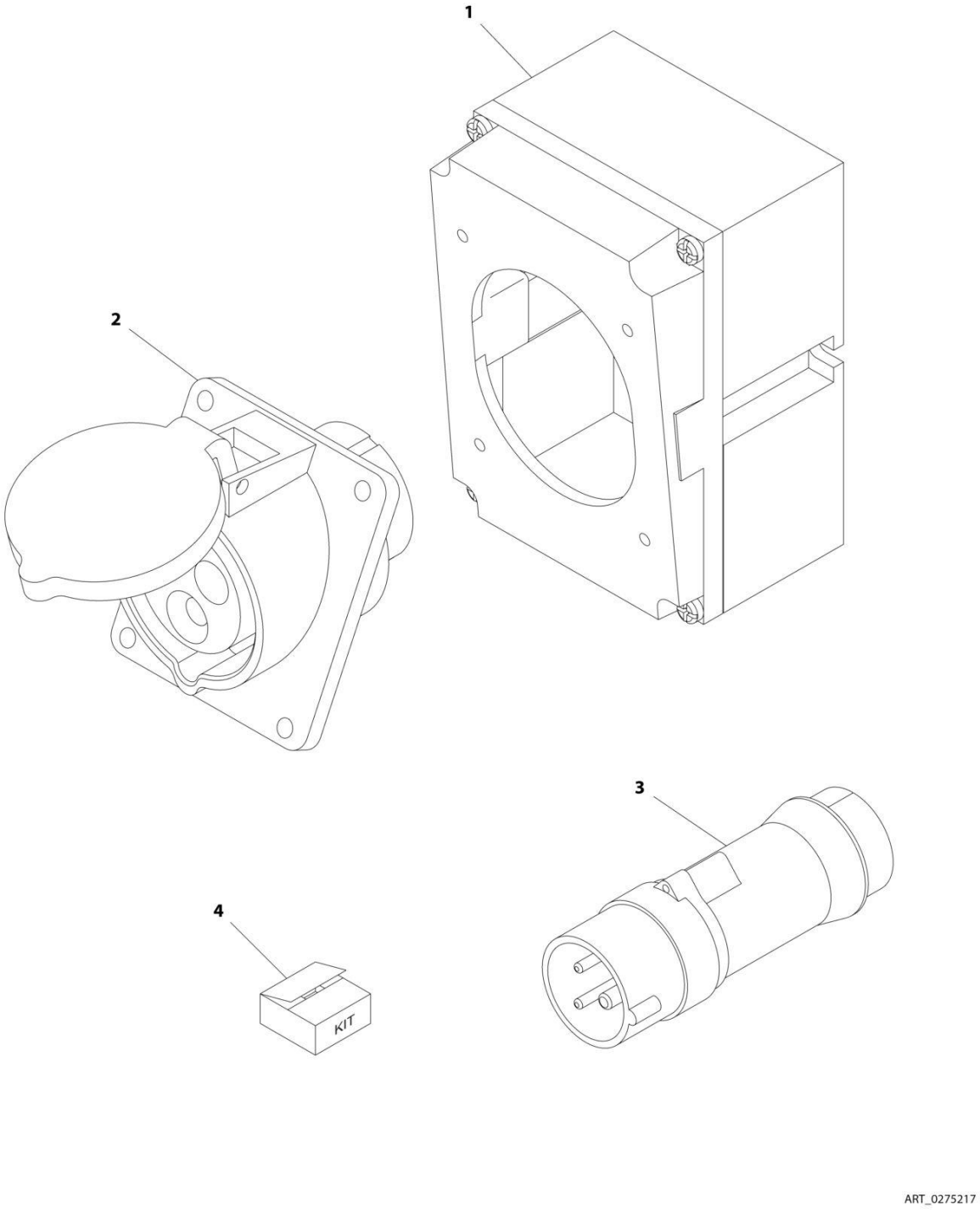


FIGURE 8-45. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)

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

FIGURE 8-46. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN (CE & UK CA SPEC)

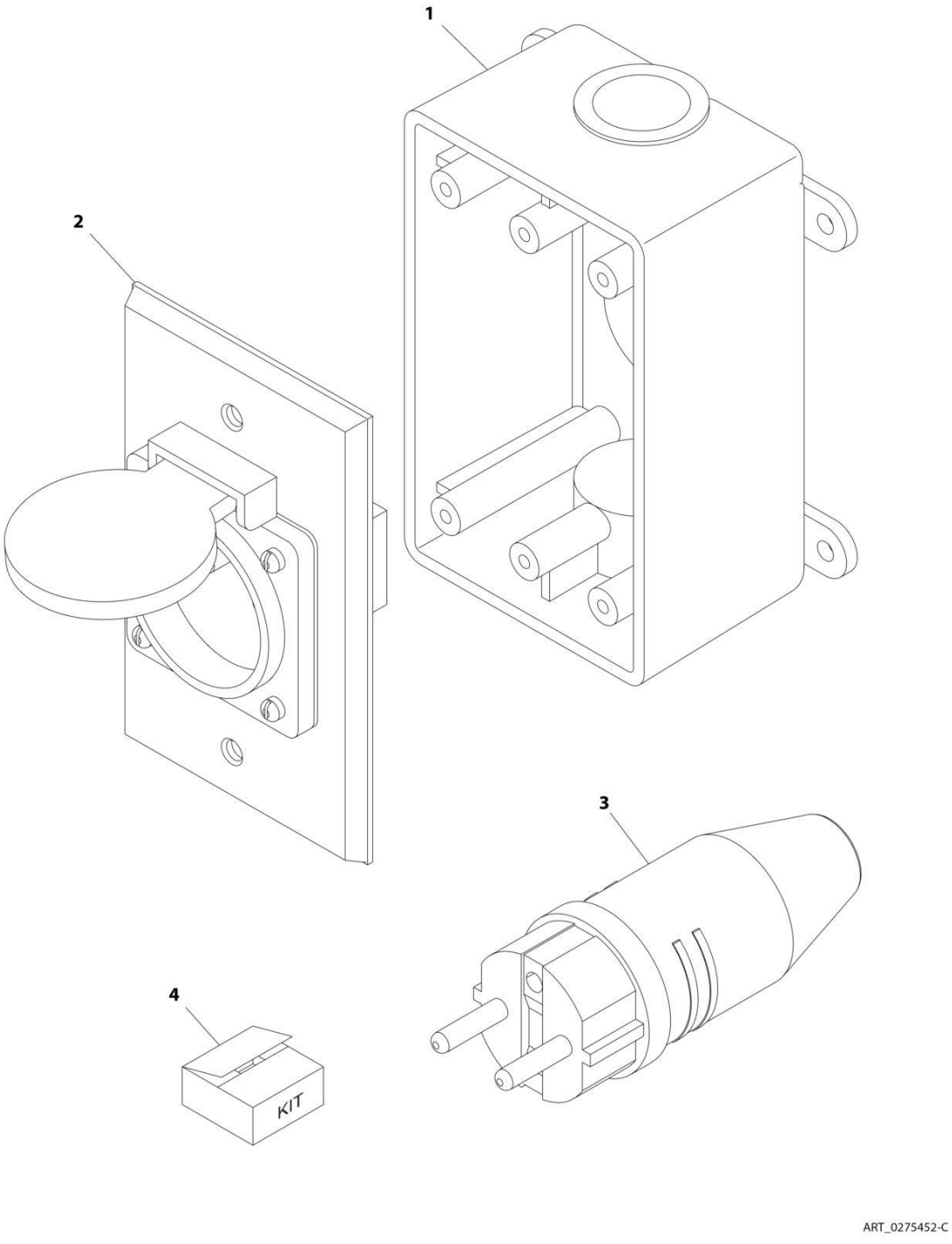


FIGURE 8-46. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN (CE & UK CA SPEC)

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

FIGURE 8-47. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN (CE & UK CA SPEC)

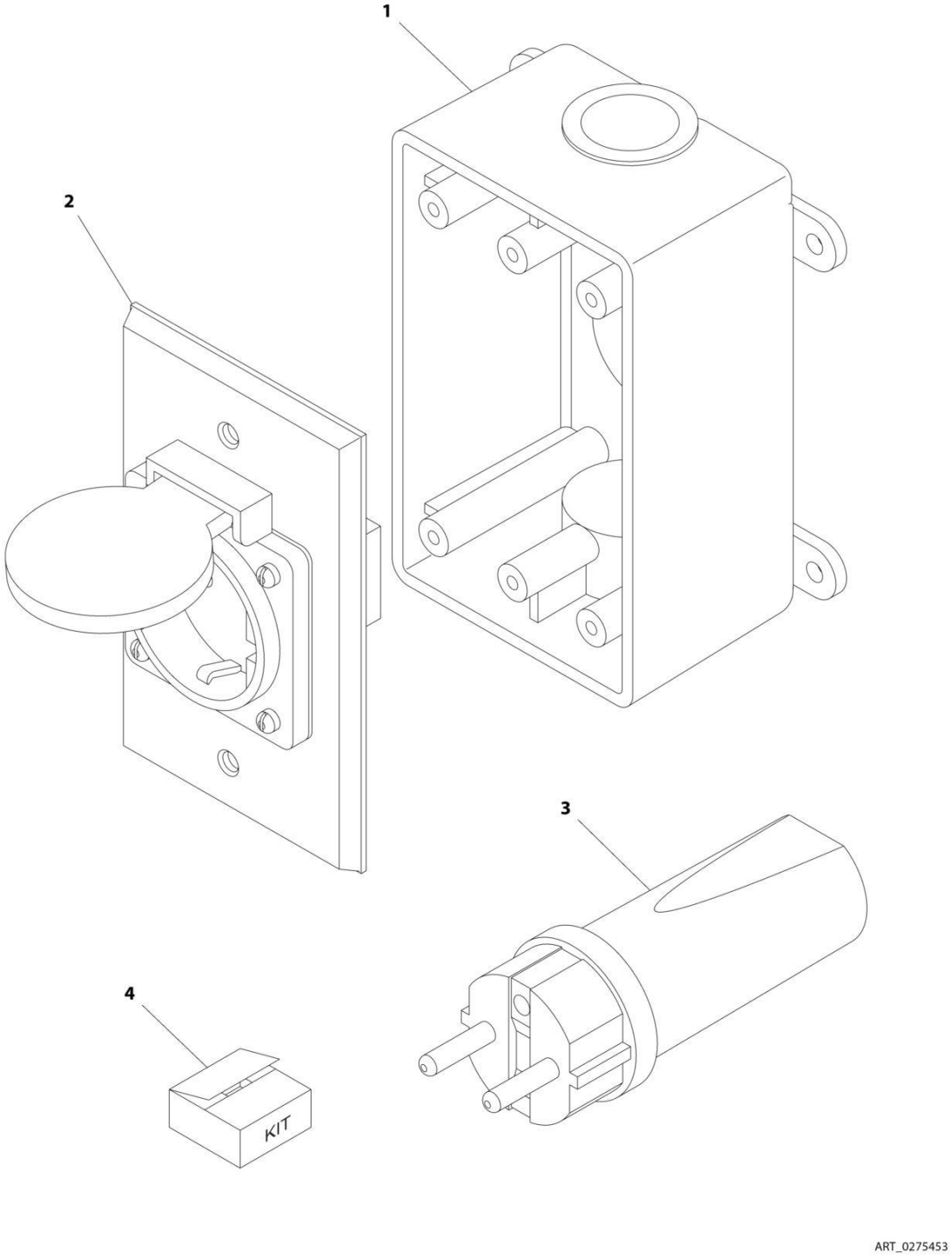


FIGURE 8-47. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN (CE & UK CA SPEC)

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

FIGURE 8-48. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)

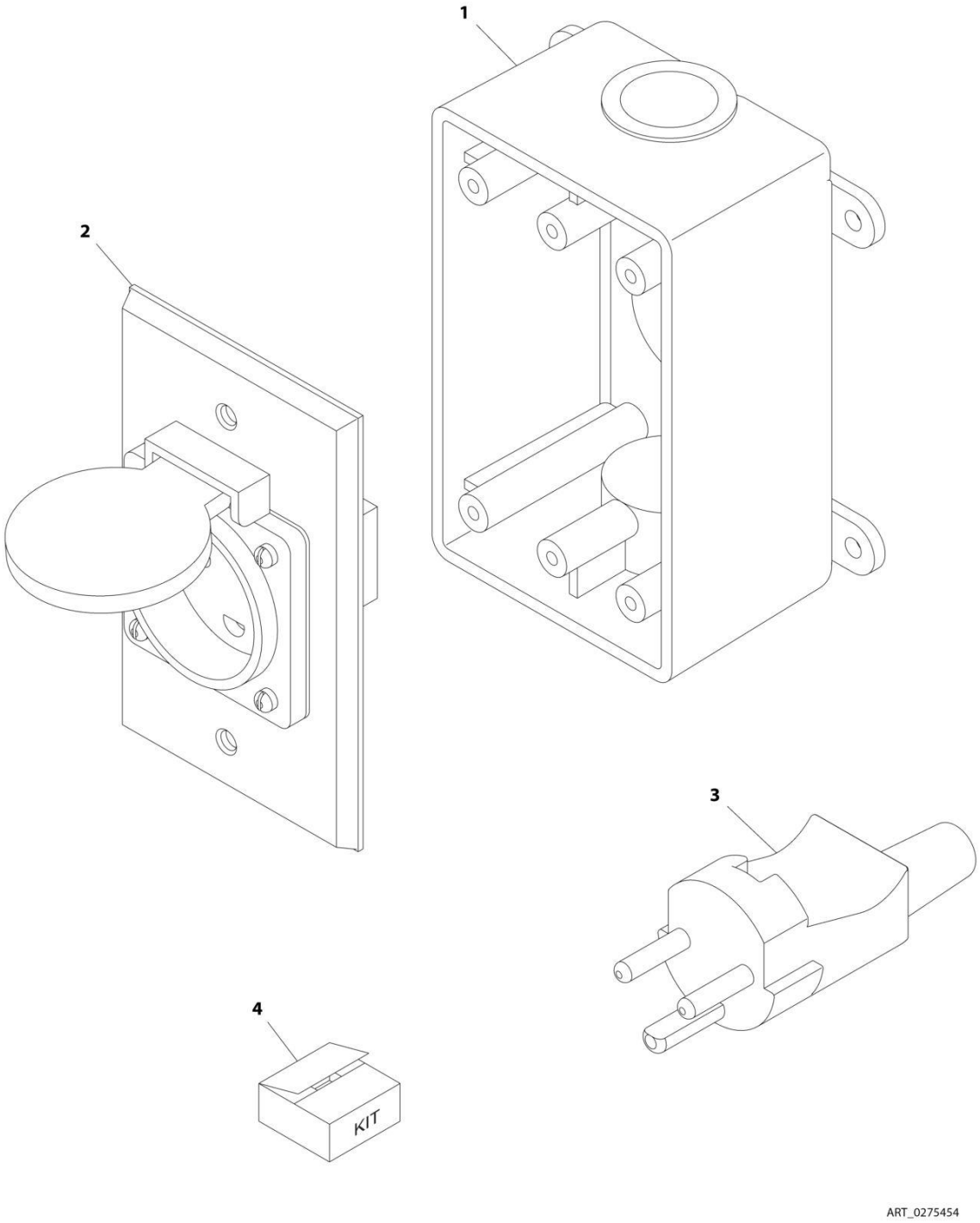


FIGURE 8-48. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)

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

FIGURE 8-49. TURNTABLE HARNESS

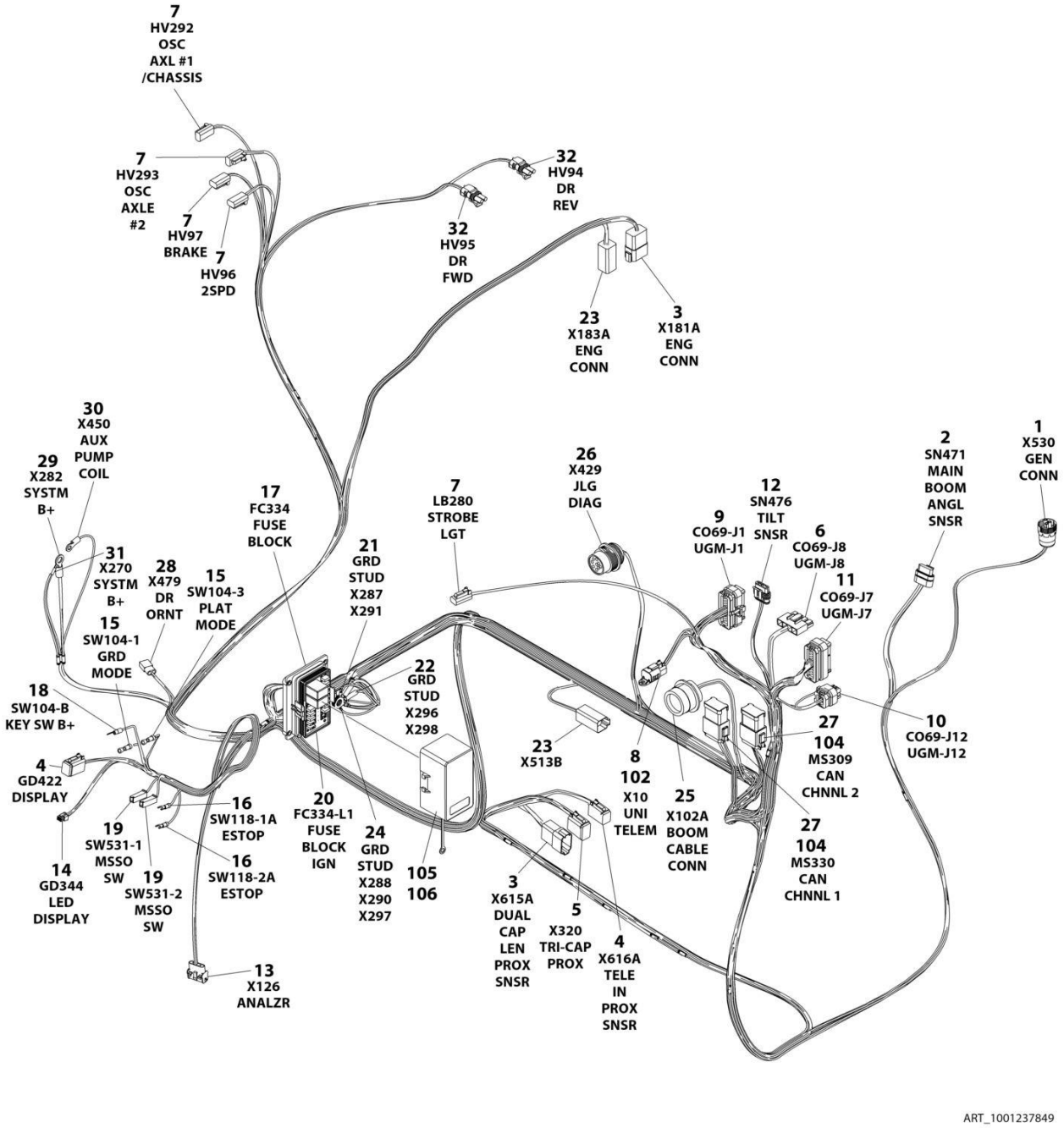


FIGURE 8-49. TURNTABLE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237849	Ref	TURNTABLE HARNESS	G
1	4460967	1	Connector - 3 Position	
1	4460465	3	Socket, Female	
2	1001230931	1	Plug, Male - 6 Position	
2	1001116748	6	Terminal, Female	
3	4460931	2	Receptacle, Female - 8 Position	
3	4460464	11	Pin, Male	
3	4460466	5	Plug, Terminal	
4	4460894	2	Plug, Male - 6 Position	
4	4460465	10	Socket, Female	
4	4460466	2	Plug, Terminal	
5	4460930	1	Plug, Male - 8 Position	
5	4460465	6	Socket, Female	
5	4460466	2	Plug, Terminal	
6	4460878	1	Plug, Male - 4 Position	
6	4460887	AR	Terminal	
7	4460891	5	Plug, Male - 2 Position	
7	4460465	10	Socket, Female	
8	4460884	1	Plug, Male - 4 Position	
8	4460465	4	Socket, Female	
9	4460874	1	Connector - 35 Position	
9	4460871	22	Socket, Female	
9	4460905	13	Plug, Terminal	
10	1001113961	1	Plug, Male - 8 Position	
10	4460871	5	Socket, Female	
10	4460905	3	Plug, Terminal	
11	4460873	1	Connector - 35 Position	
11	4460871	35	Socket, Female	
11	4460905	10	Plug, Terminal	
12	1001103012	1	Plug, Male - 4 Position	
12	1001107854	2	Socket, Female	
12	1001196589	2	Terminal	
12	1001116763	AR	Seal, Red	
12	1001104498	4	Seal, Yellow	
13	1001119032	1	Receptacle, Female - 4 Position	
13	1001118378	4	Pin, Male	
14	1001237667	1	Plug, Male - 6 Position	
14	1001237668	5	Terminal	
15	4460042	2	Terminal, Fork	
16	4460183	2	Terminal, Fork	
17	1001196602	1	Fuse Box Assembly	
17	8220098	AR	Terminal	
17	1001116725	6	Terminal	
17	8220097	18	Terminal	
17	4460748	10	Plug, Terminal	
17	4460458	AR	Seal	
17	80963067	6	Seal (for 1001116725 Terminal)	
17	1001196636	2	Connector with Diode	
17	8229244	3	Fuse 15Amp	
17	8229242	6	Fuse 5Amp	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	1001196634	2	Fuse - 2 Amp	
17	1001095704	2	Relay 35Amp	
18	4460313	1	Terminal, Fork	
19	4460260	2	Housing, Terminal	
19	4460259	2	Terminal	
20	1001117106	1	Terminal, Ring	
21	1001187078	2	Terminal, Ring	
22	1001117110	2	Terminal, Ring	
23	4460899	2	Connector - 6 Position	
23	4460464	7	Pin, Male	
23	4460466	5	Plug, Terminal	
24	1001187077	3	Terminal, Ring	
25	4460866	1	Connector - 19 Position	
25	4460464	6	Pin, Male	
25	4460508	2	Pin, Male	
25	4460466	11	Plug, Terminal	
26	1001112612	1	Connector - 9 Position	
26	4460464	5	Pin, Male	
26	4460466	4	Plug, Terminal	
27	4460933	2	Plug, Male - 12 Position	
27	4460465	16	Socket, Female	
27	4460466	8	Plug, Terminal	
27	1001119020	2	Bussbar - 12 Position	
28	4460424	1	Plug, Male - 2 Position	
28	4460226	2	Socket, Female	
29	8220045	1	Terminal, Ring	
30	4460702	1	Terminal, Ring	
31	4460703	1	Terminal, Ring	
32	4460742	2	Plug, Male - 2 Position	
32	4460743	1	Socket, Female	
32	4460458	4	Seal	
102	1001192401	1	Cap, Dust	
104	1001125677	2	Bussbar - 12 Position	
105	1001196604	1	Cover, Fuse Box	
106	1001190921	1	Seal, Cover	

FIGURE 8-50. VALVE HARNESS - MAIN VALVE

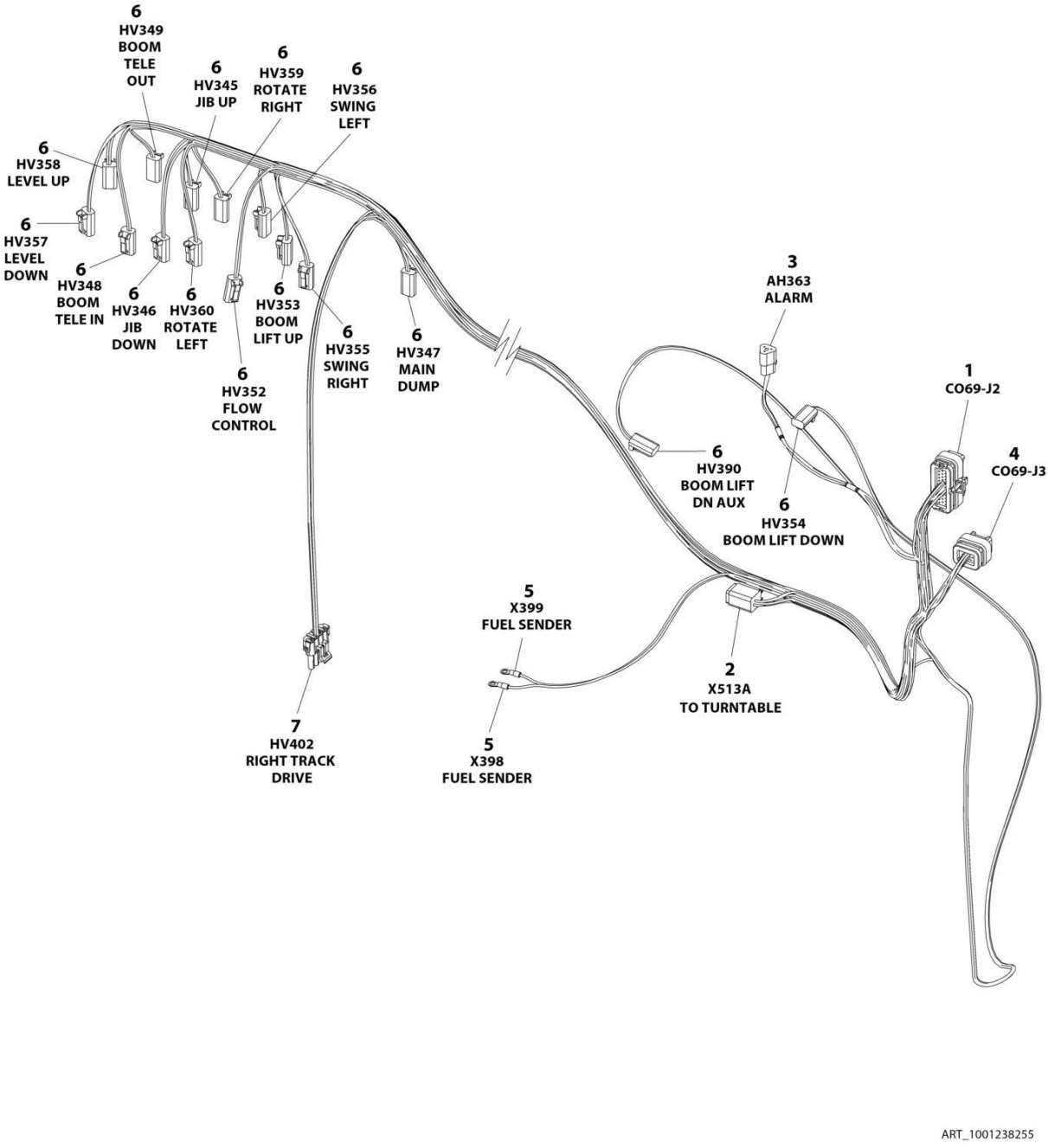


FIGURE 8-50. VALVE HARNESS - MAIN VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238255	Ref	VALVE HARNESS - MAIN VALVE	D
1	4460875	1	Connector - 35 Position	
1	4460871	26	Socket, Female	
1	4460905	9	Plug, Terminal	
2	4460894	1	Plug, Male - 6 Position	
2	4460465	4	Socket, Female	
2	4460466	2	Plug, Terminal	
3	4460539	1	Plug, Male - 3 Position	
3	4460465	3	Socket, Female	
4	4460872	1	Connector - 14 Position	
4	4460871	9	Socket, Female	
4	4460905	5	Plug, Terminal	
5	4460313	2	Terminal, Ring	
6	4460891	15	Plug, Male - 2 Position	
6	4460465	30	Socket, Female	
7	4460460	1	Terminal, Connector	
7	4460743	4	Socket, Female	
7	4460458	4	Terminal, Seal	

FIGURE 8-51. SKYLINE HARNESS

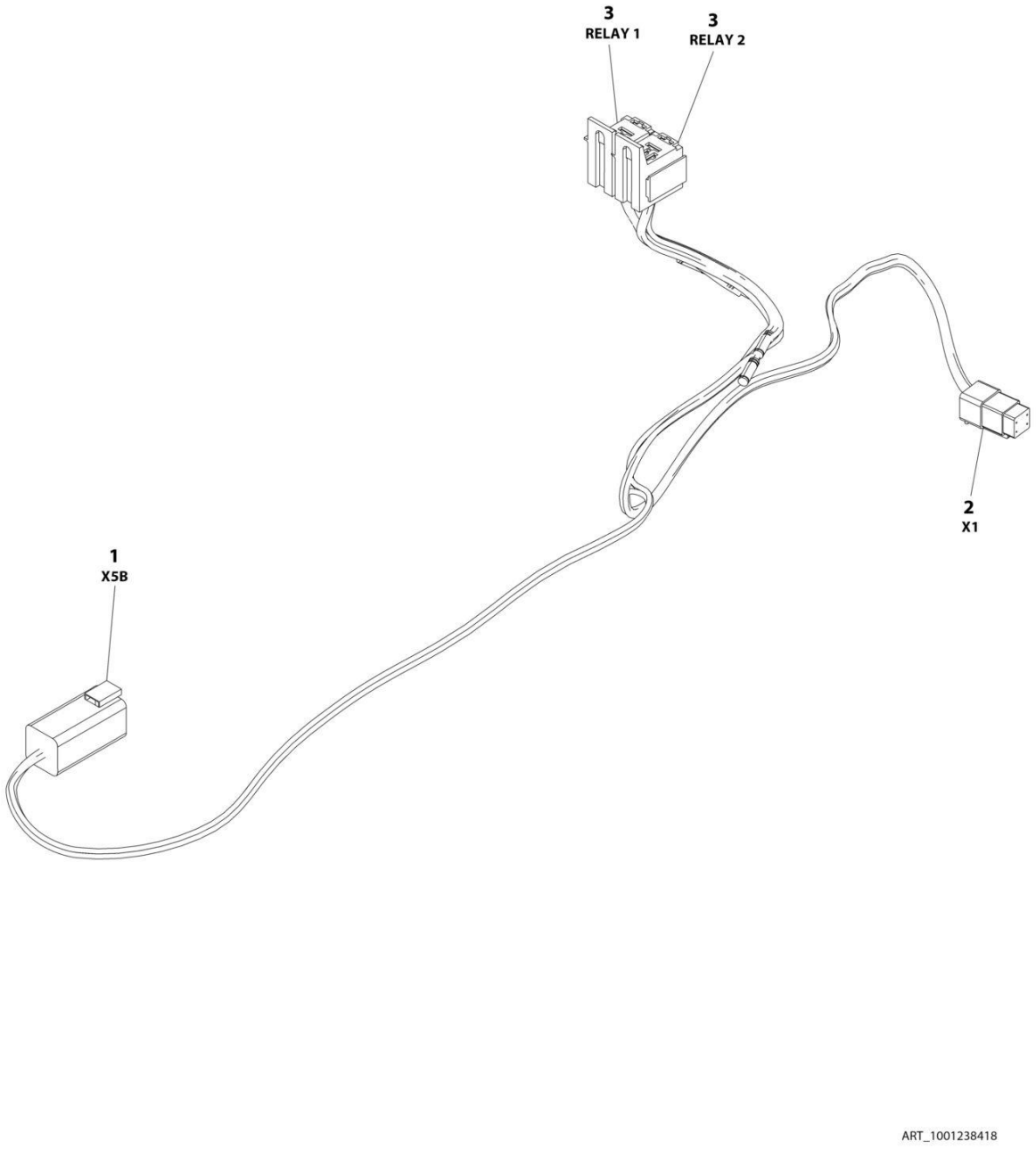
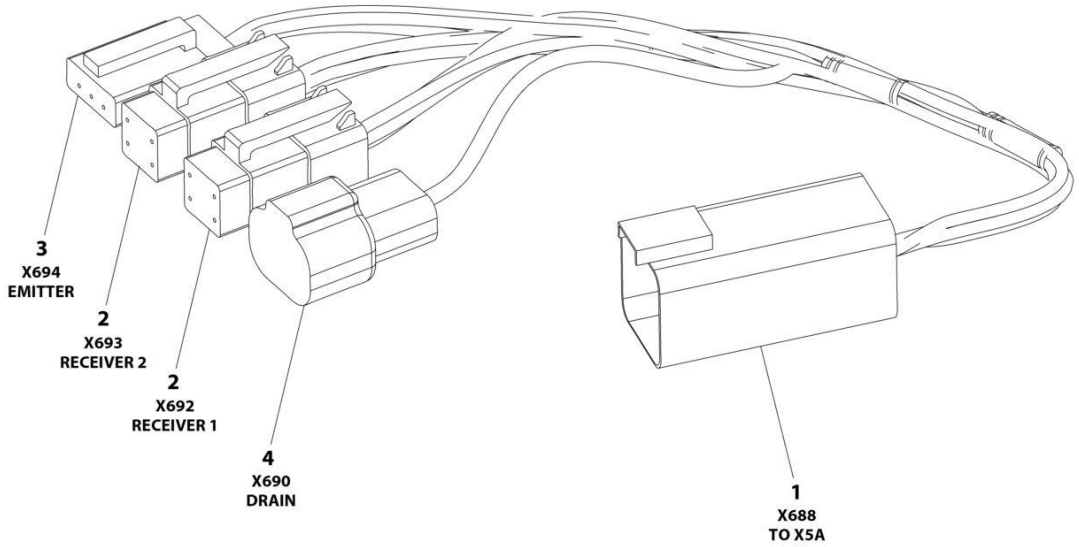


FIGURE 8-51. SKYLINE HARNESS

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 8-52. SKYEYE INTERMEDIATE HARNESS



ART_1001237865

FIGURE 8-52. 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 8-53. SKYEYE RECEIVER HARNESS

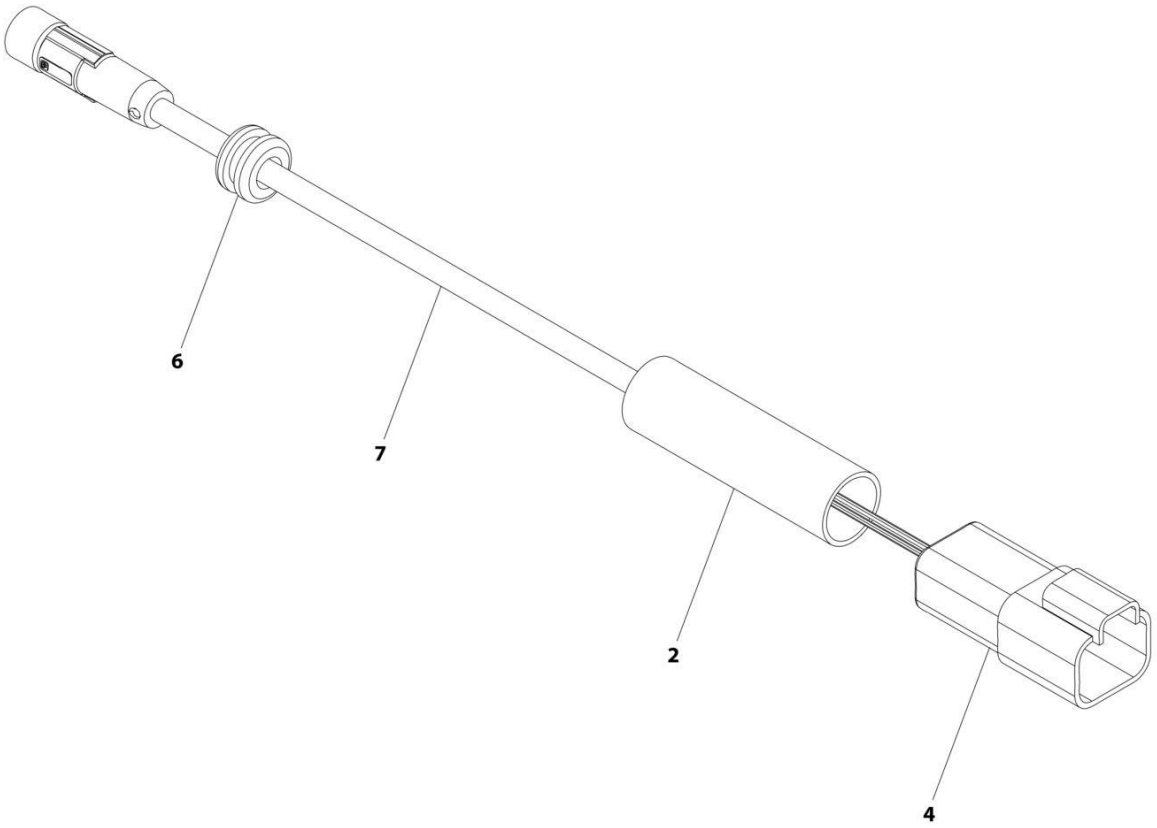


FIGURE 8-53. SKYEYE RECEIVER HARNESS

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 8-54. SKYEYE EMITTER HARNESS

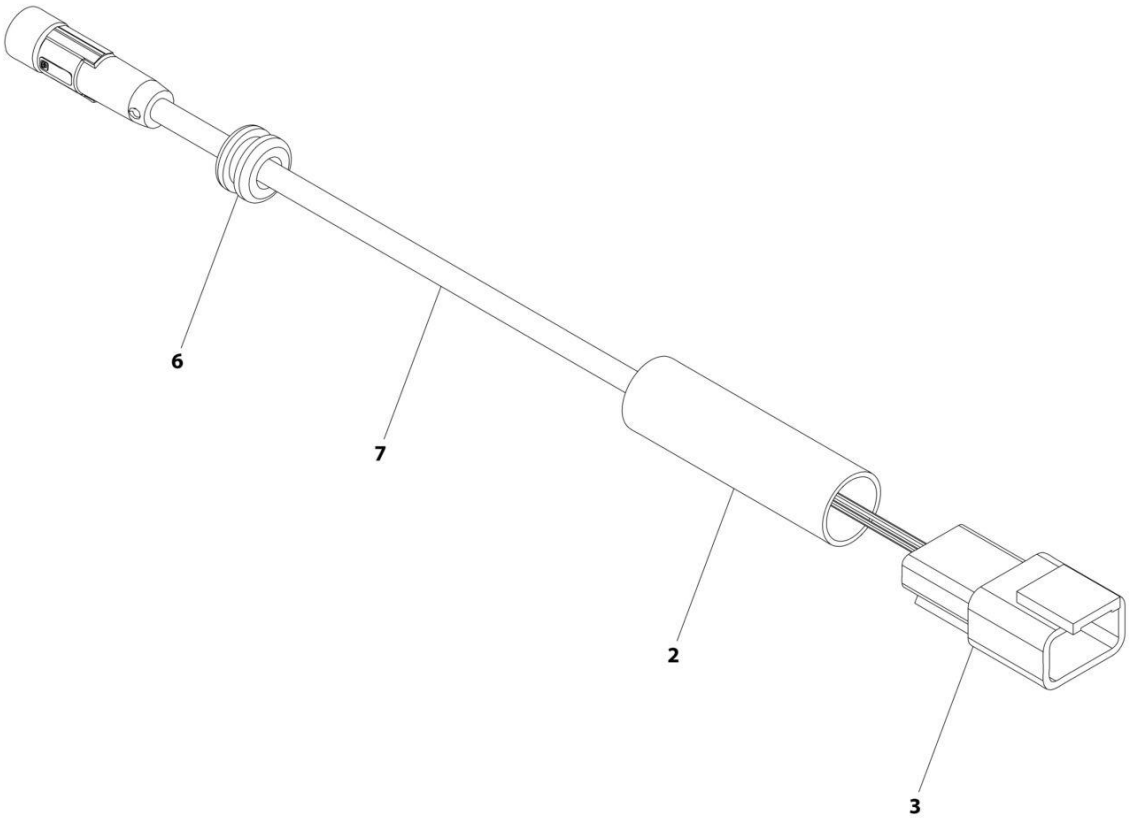


FIGURE 8-54. SKYEYE EMITTER HARNESS

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

SECTION 9 - DECALS

SECTION 9 - DECALS

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

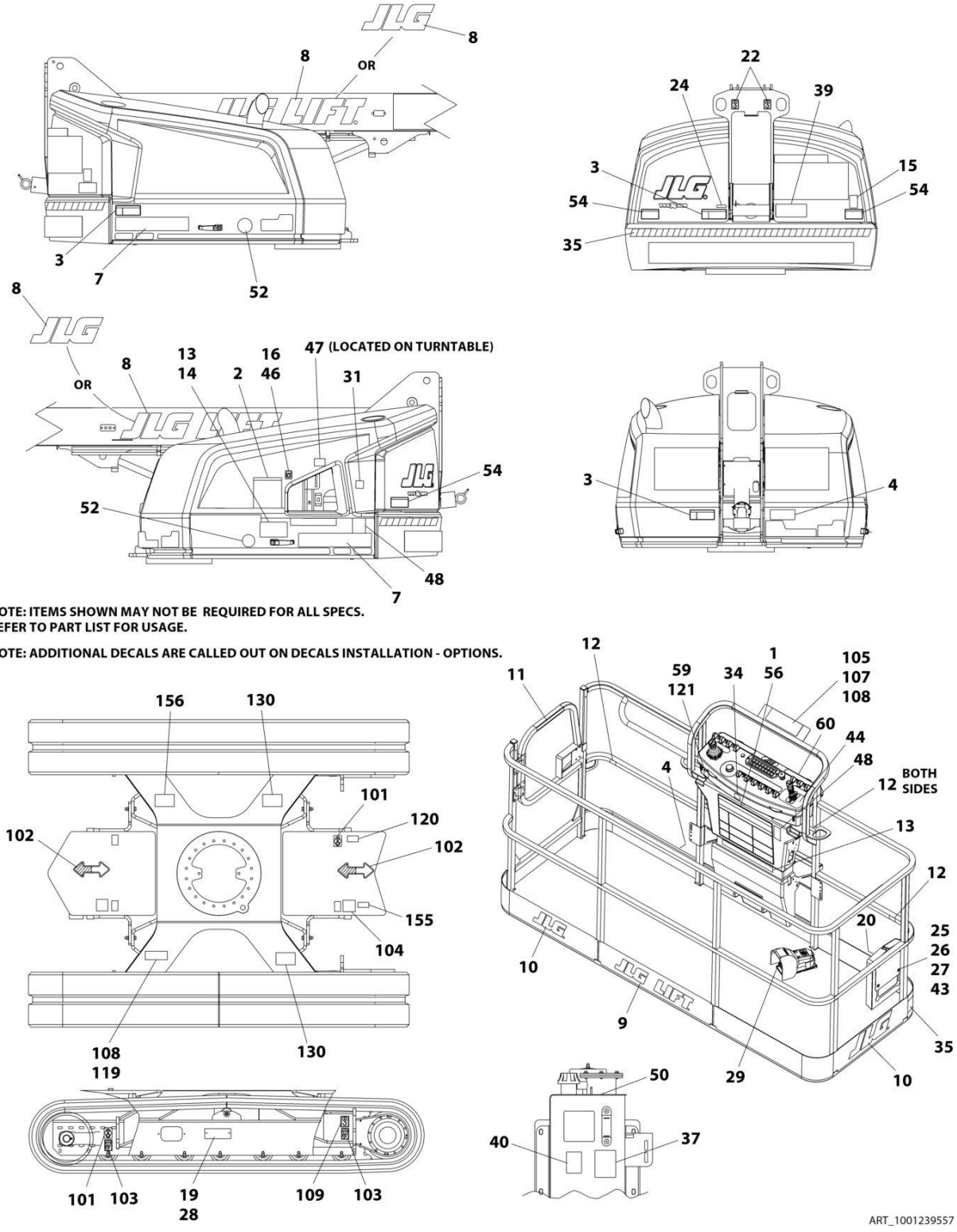


FIGURE 9-1. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS - 400SC

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

SECTION 9 - DECALS

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

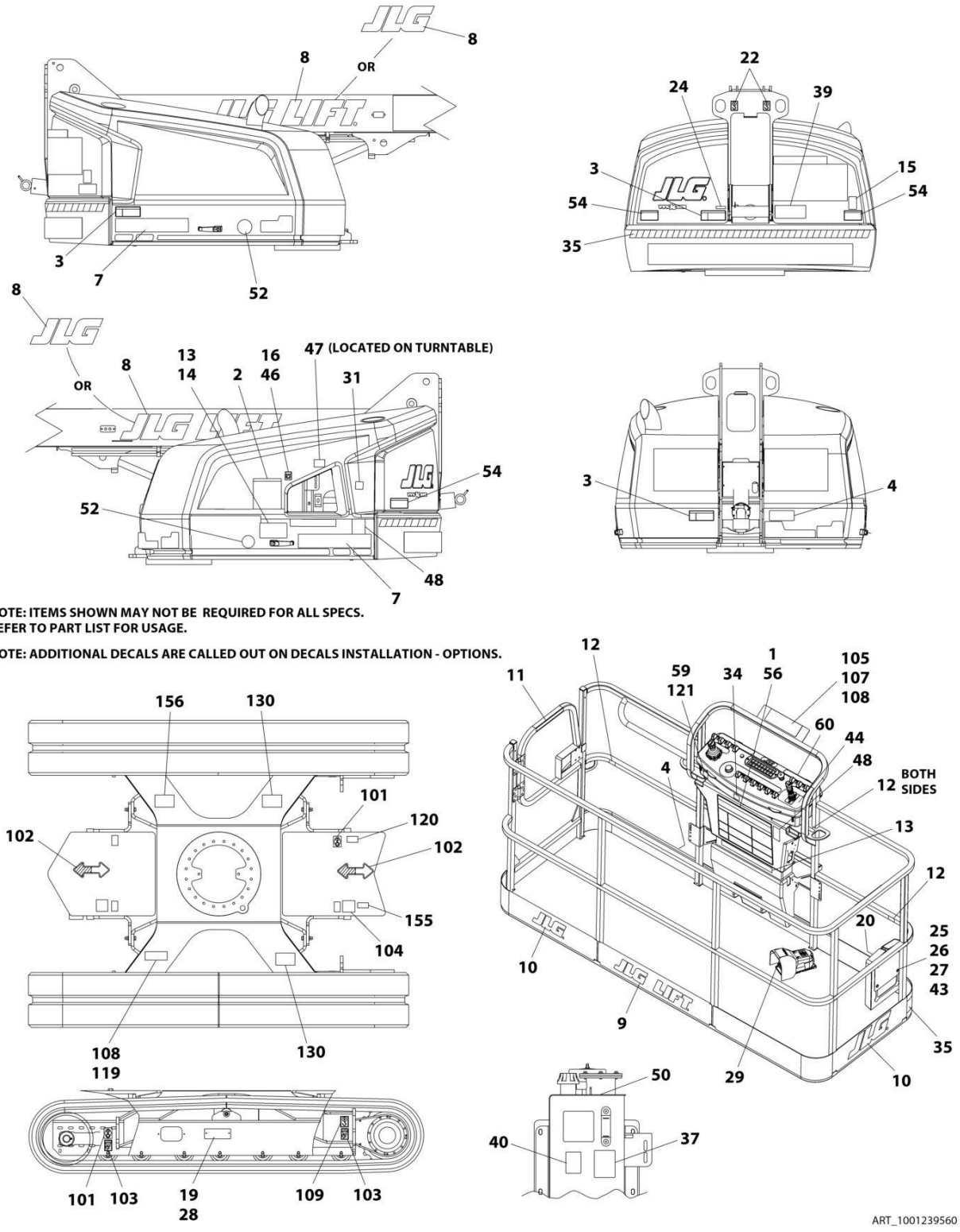


FIGURE 9-2. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS - 460SJC

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

SECTION 9 - DECALS

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

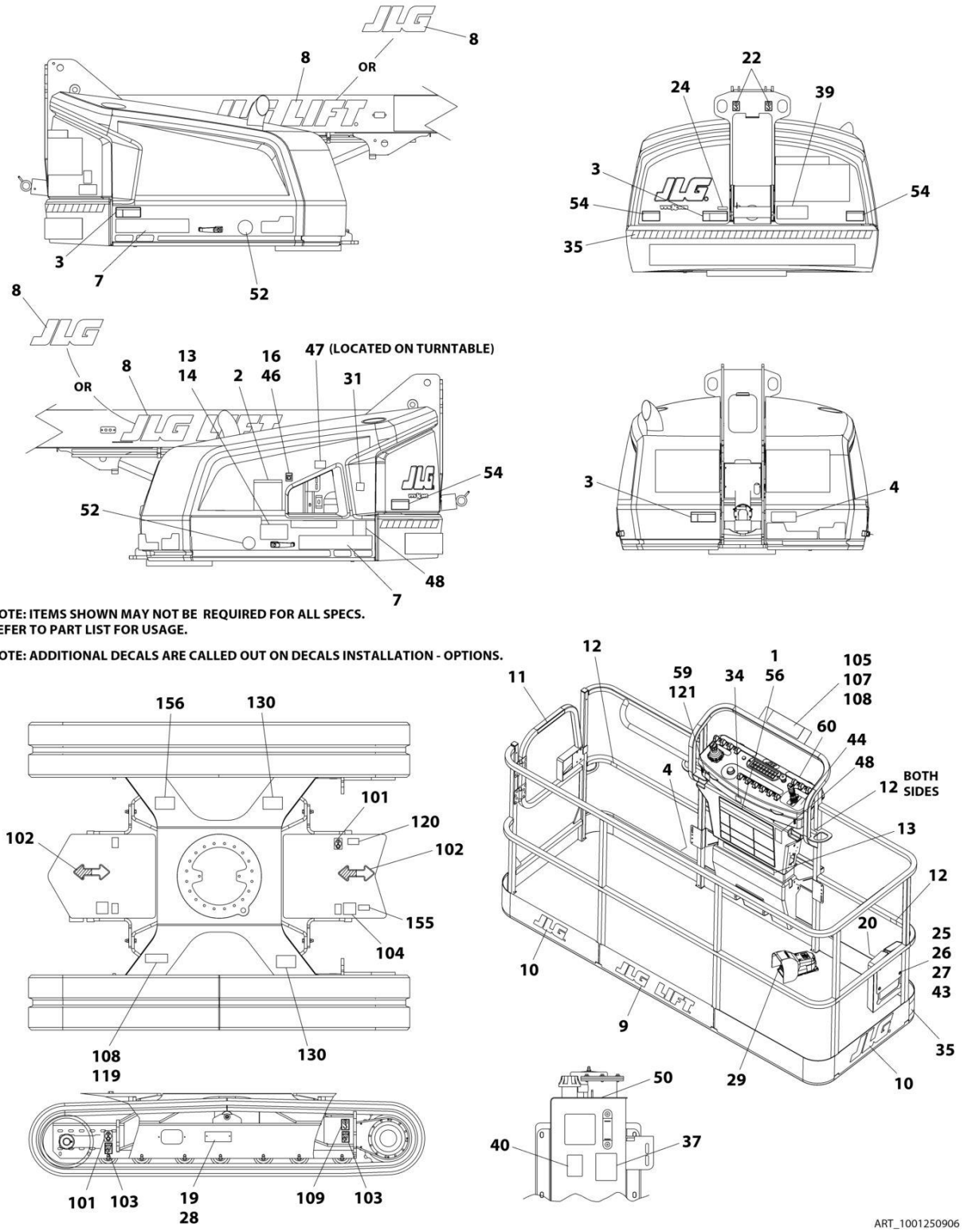


FIGURE 9-3. DECAL INSTALLATION - CE & UK CA SPEC - 400SC

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

SECTION 9 - DECALS

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

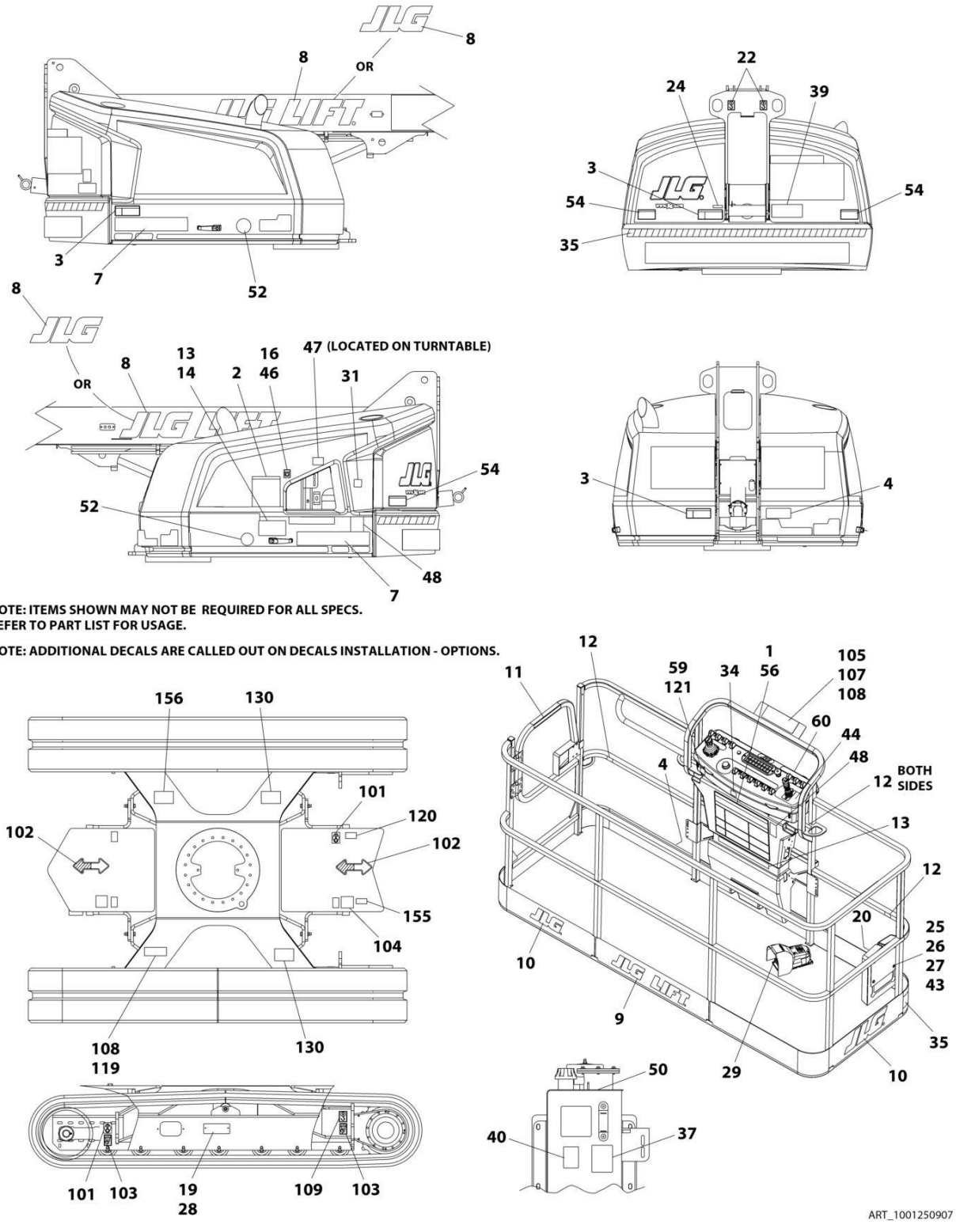


FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPEC - 460SJC

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

SECTION 9 - DECALS

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

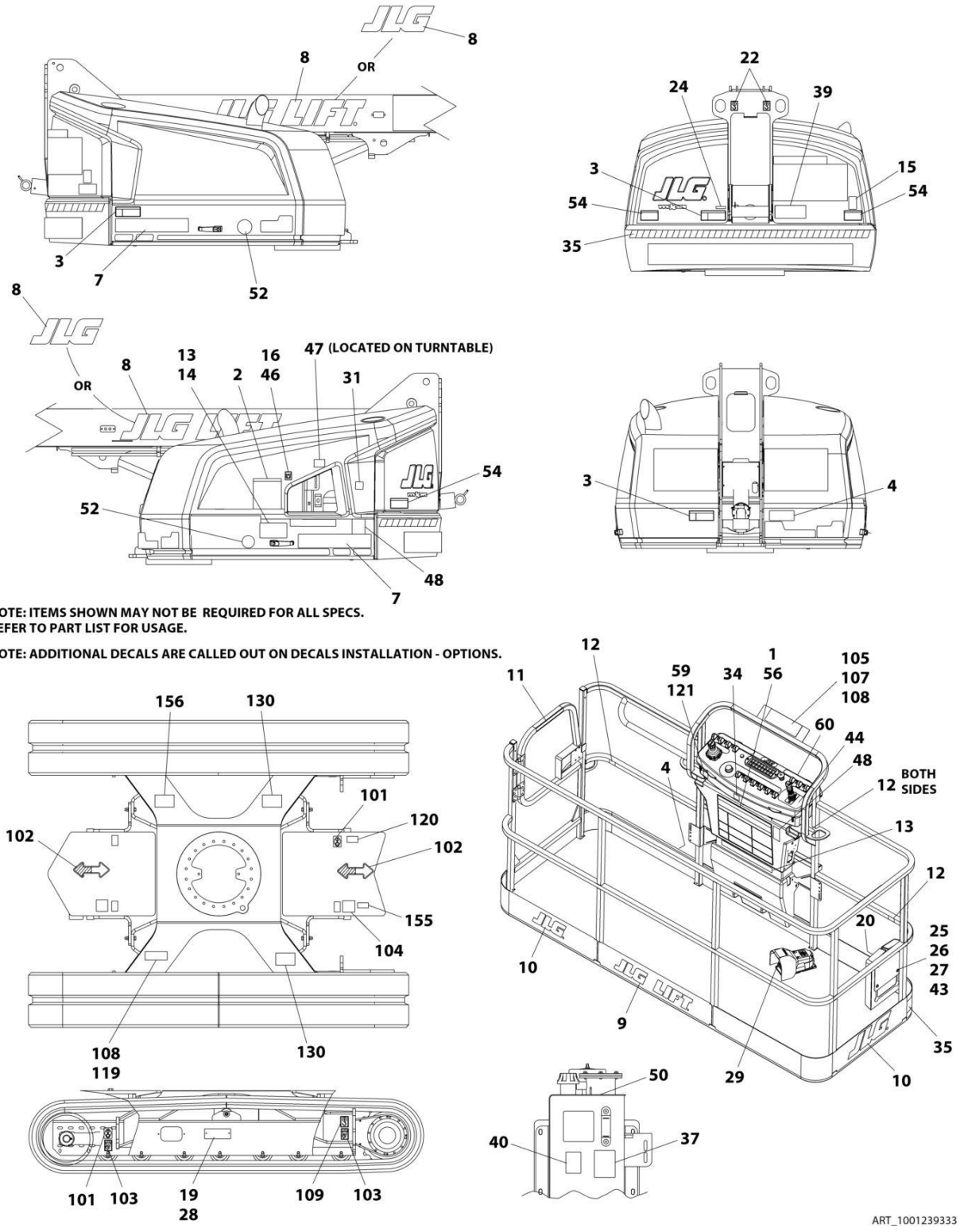


FIGURE 9-5. DECAL INSTALLATION - CSA SPEC - 400SC

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

SECTION 9 - DECALS

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

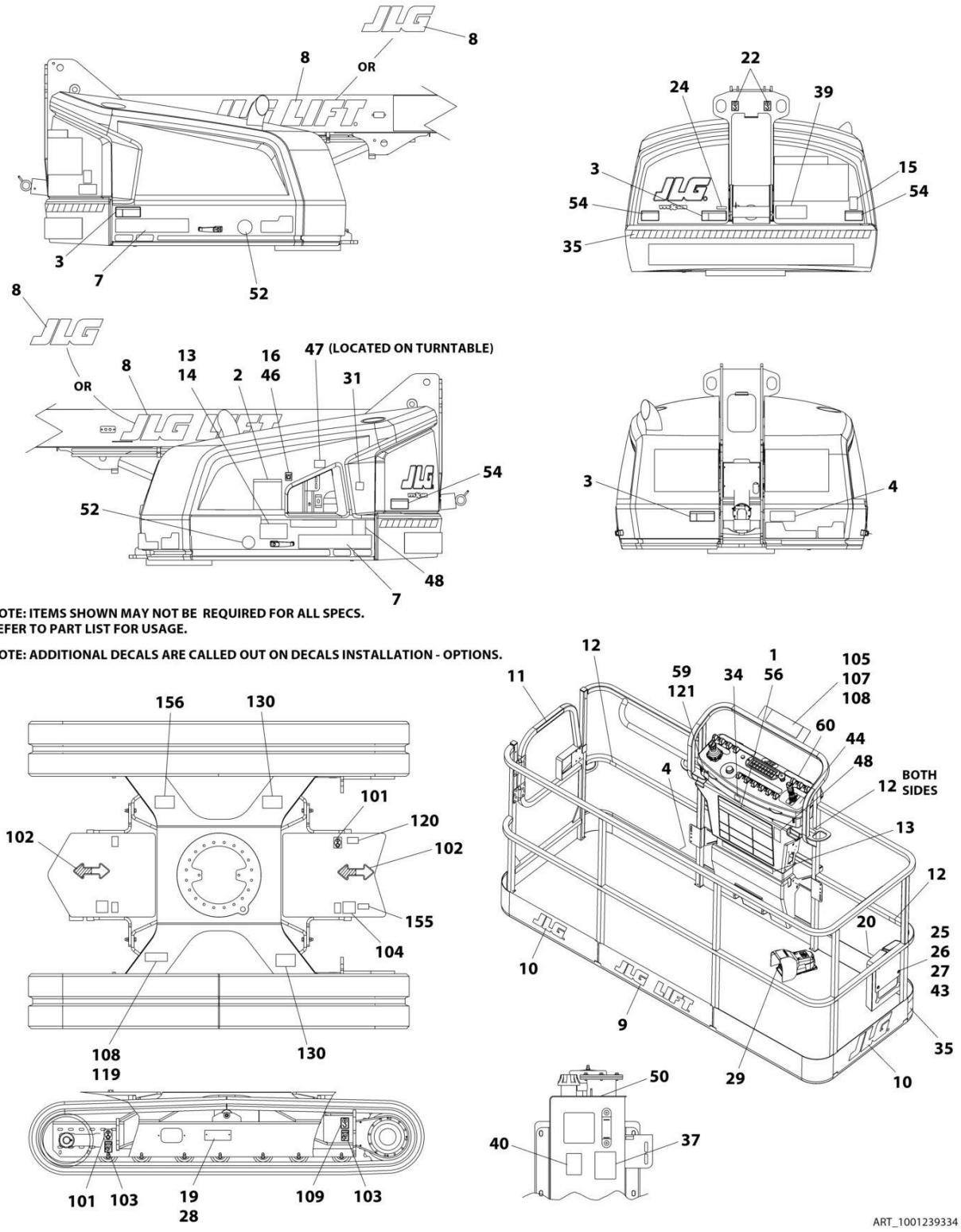


FIGURE 9-6. DECAL INSTALLATION - CSA SPEC - 460SJC

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

SECTION 9 - DECALS

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

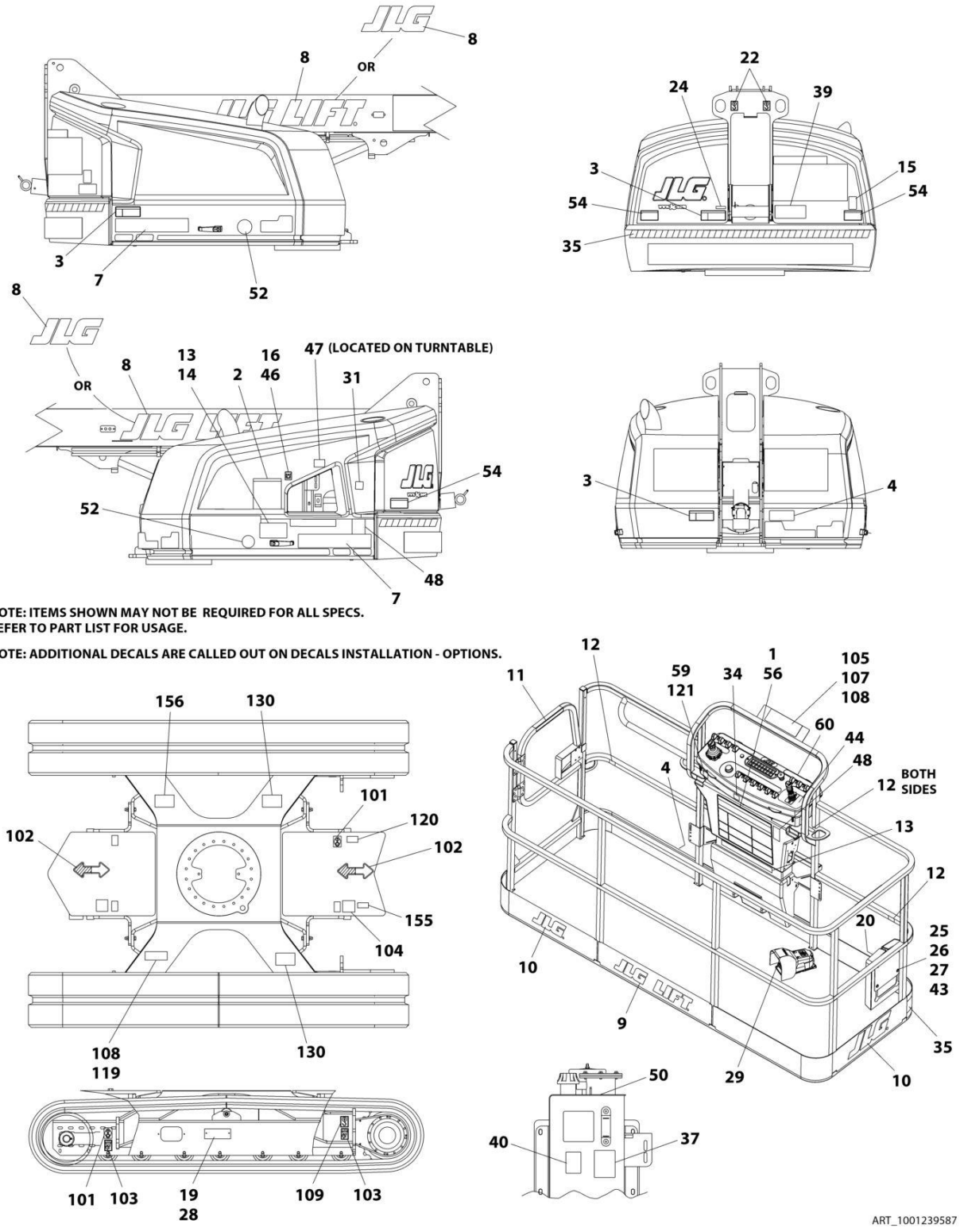


FIGURE 9-7. DECAL INSTALLATION - ANSI EXPORT - 400SC (JAPANESE SPECS)

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

SECTION 9 - DECALS

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

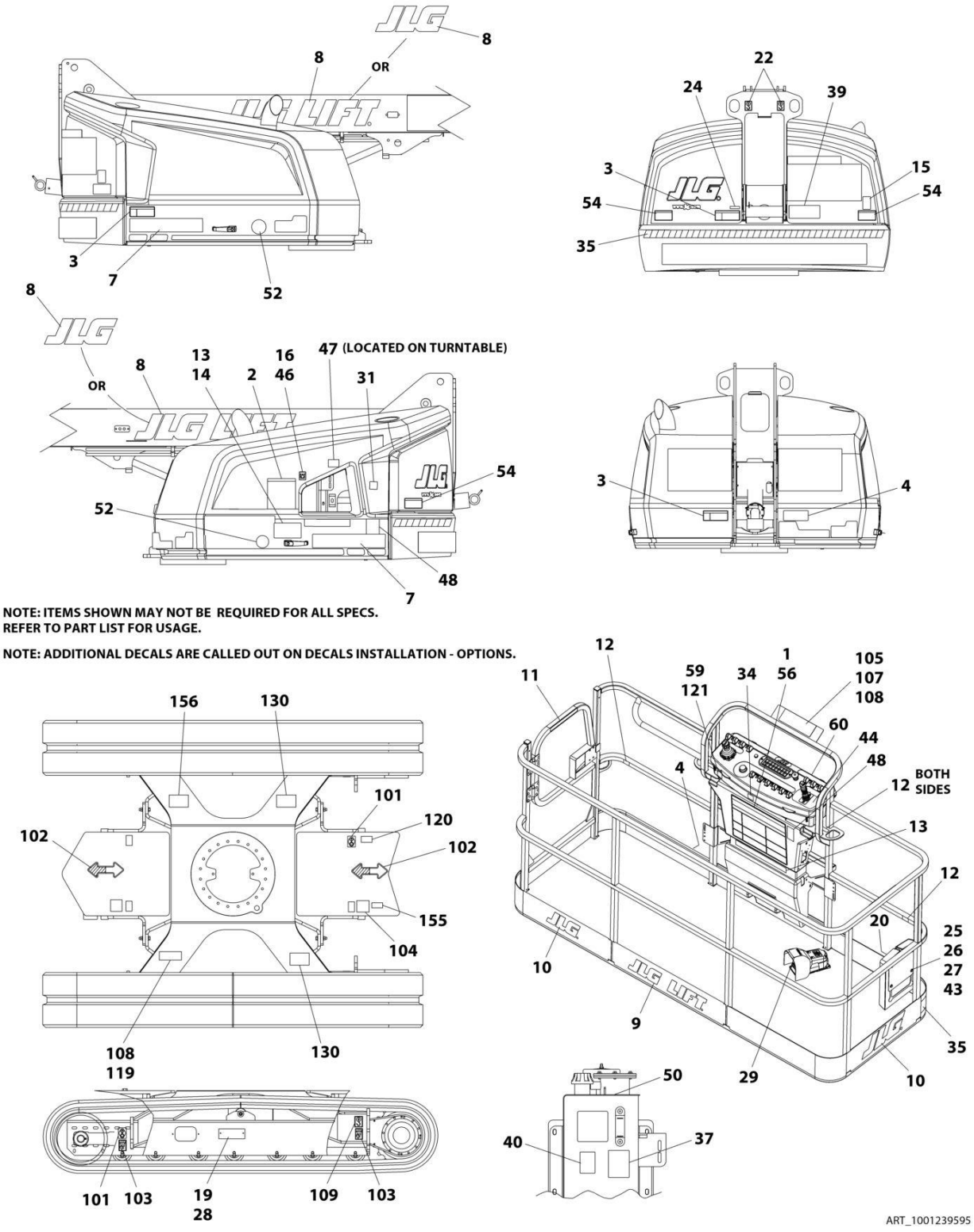


FIGURE 9-8. DECAL INSTALLATION - ANSI EXPORT - 460SJC (JAPANESE SPECS)

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

SECTION 9 - DECALS

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

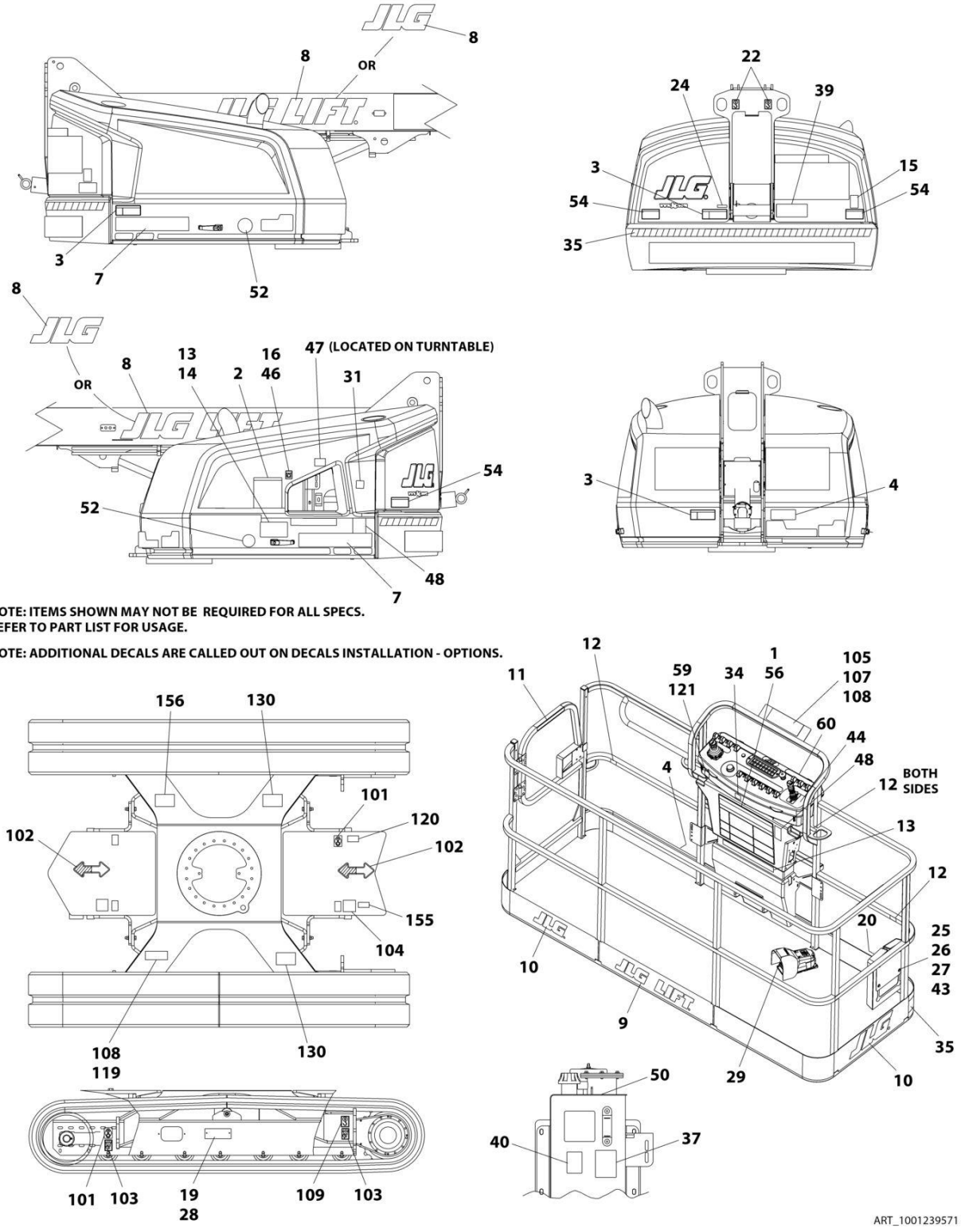


FIGURE 9-9. DECAL INSTALLATION - ANSI EXPORT SPEC - 400SC (KOREAN SPECS)

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

SECTION 9 - DECALS

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

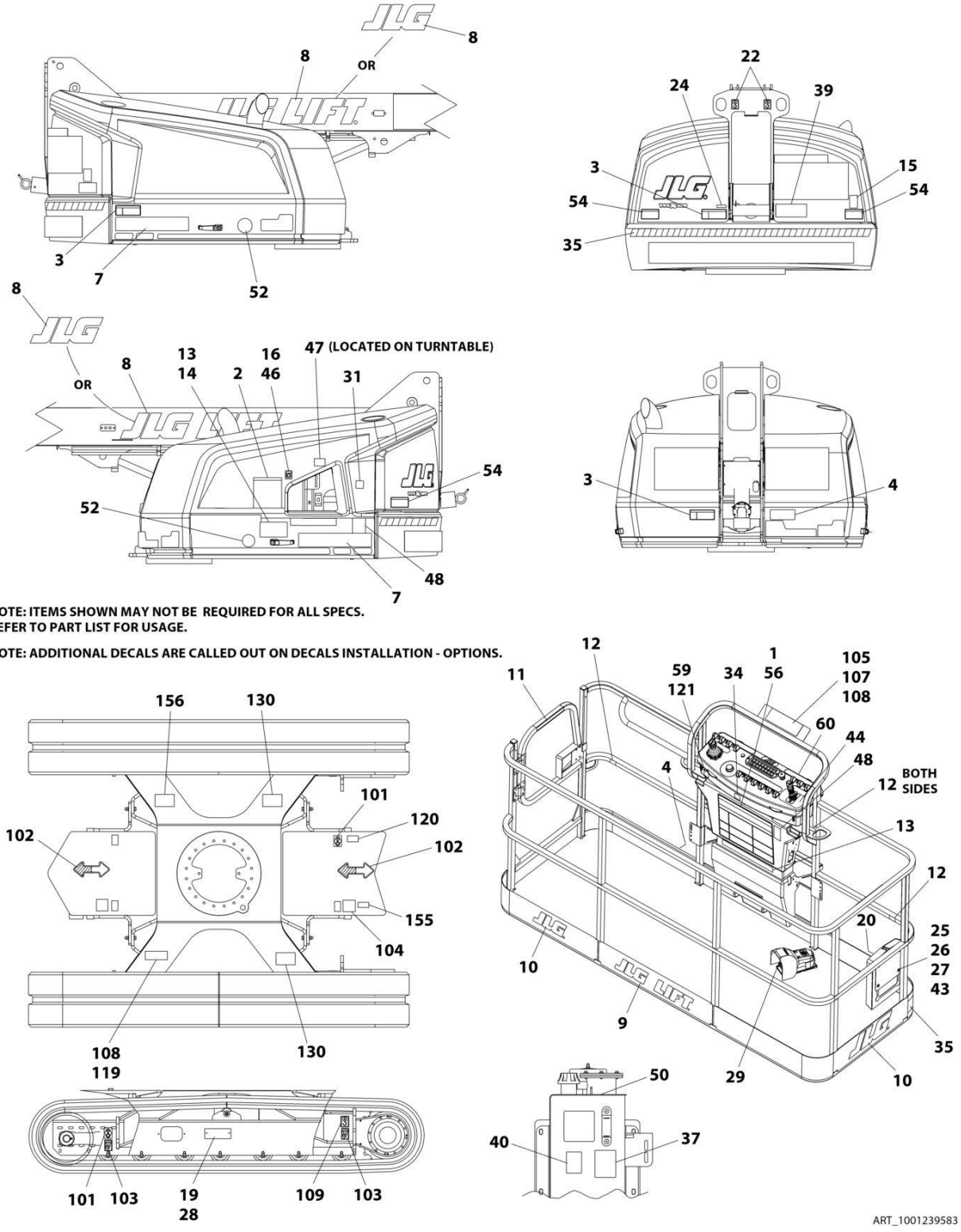


FIGURE 9-10. DECAL INSTALLATION - ANSI EXPORT SPEC - 460SJC (KOREAN SPECS)

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

FIGURE 9-11. DECAL INSTALLATION - OPTIONS

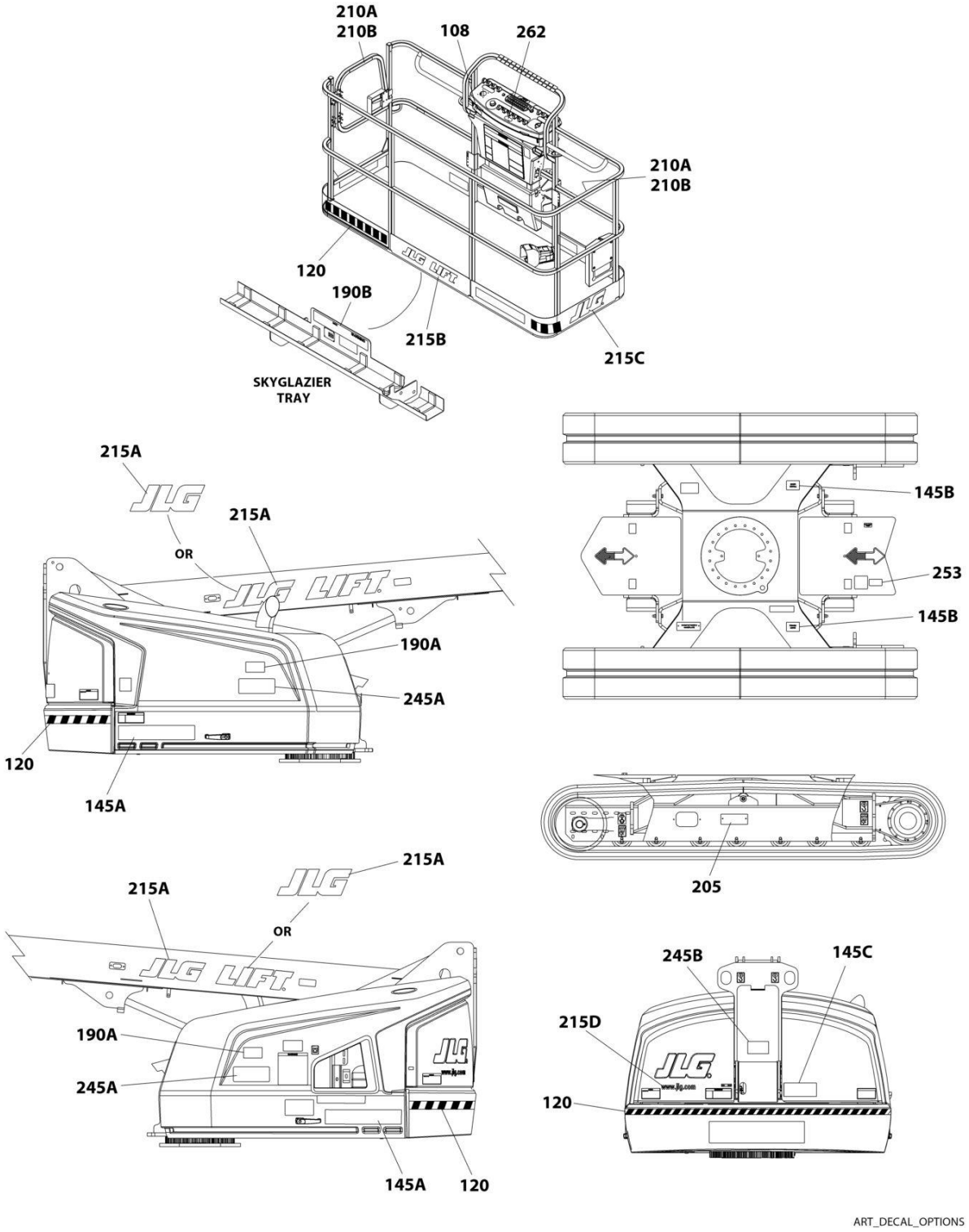


FIGURE 9-11. DECAL INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217488	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE) (CE & UK CA Specs Only)	D
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	G
	1001190872	Ref	DECAL INSTALLATION - REFERENCE CHART (FRAME)	H
	1001192020	1	DECAL INSTALLATION - OPTIONS	
108	1001231801	1	Decal - Proposition 65 (Diesel Machines)	
120	1001178415	Ref	Warning Stripes Installation	A
120	4420051	14.5 ft /4.42m	Tape, Safety	
145	1001190871	Ref	Decal - Model Designation - 400SC (Not Shown)	D
145	1001217211	Ref	Decal - Model Designation - 460SJC (Not Shown)	B
145A	1001272288	2	Decal - 400SC	
145A	1001268234	2	Decal - 460SJC	
145B	1001201127	2	Decal - Max Track Load - 400SC	
145B	1001217210	2	Decal - Max Track Load - 460SJC	
145C	1001190876	1	Decal - Lift Diagram - 400SC	
145C	1001217209	1	Decal - Lift Diagram - 460SJC	
190	1001172570	Ref	Decal - SkyGlazier (English Decals) (ANSI, ANSI Export and CSA Specs)	C
190	1001172573	Ref	Decal - SkyGlazier (French Decals) (CE & UK CA Specs)	B
190	1001172574	Ref	Decal - SkyGlazier (German Decals) (CE & UK CA Specs)	B
190	1001172575	Ref	Decal - SkyGlazier (Italian Decals) (CE & UK CA Specs)	B
190	1001193136	Ref	Decal - SkyGlazier (Portuguese Decals) (CE & UK CA Specs)	B
190	1001193135	Ref	Decal - SkyGlazier (Spanish Decals) (CE & UK CA Specs)	B
190	1001172576	Ref	Decal - SkyGlazier (UK Decals) (CE & UK CA Specs)	B
190A	1705358	2	Decal - SkyGlazier	
190B	1001199035	2	Decal - SkyGlazier Capacity (English)	
190B	1001172566	2	Decal - SkyGlazier Capacity (French)	
190B	1001172567	2	Decal - SkyGlazier Capacity (German)	
190B	1001172568	2	Decal - SkyGlazier Capacity (Italian)	
190B	1001193134	2	Decal - SkyGlazier Capacity (Portuguese)	
190B	1001193133	2	Decal - SkyGlazier Capacity (Spanish)	
190B	1001172569	2	Decal - SkyGlazier Capacity (UK)	
205	See Note	1	Nameplate - Serial Number (Not Shown) (Note: Not Available for Purchase)	
215	1001178433	Ref	Decal Installation - JLG Logo (Not Shown)	A
215A	1702861	2	Decal - JLG Lift	
215B	1702774	1	Decal - JLG Lift	
215C	1702773	1	Decal - JLG	
215D	1704885	1	Decal - Website	
226	1704972	1	Decal - Warning Explosion/Fire (ANSI and ANSI Export Specs) (Not Shown)	
226	1706098	1	Decal - Warning Explosion/Fire (CE & UK CA Specs) (Not Shown)	
226	1706064	1	Decal - Warning Explosion/Fire (CSA Spec - Dual Language English/French) (Not Shown)	
226	1706062	1	Decal - Warning Explosion/Fire (ANSI Export Specs) (Not Shown)	
226	1706061	1	Decal - Warning Explosion/Fire (Korean Spec - Dual Language English/Korean) (Not Shown)	
245	1001178435	Ref	Decal - ClearSky (Not Shown)	
245A	1001116208	1	Decal - ClearSky	

SECTION 9 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
245B	1001120989	1	Decal - Radio Frequency	
253	1001143852	1	Decal - Emission Compliance	
262	1001141300	1	Decal - SkyGuard Override	
262	1001141302	1	Decal - SkyGuard/Soft Touch Override	

SECTION 9 - DECALS

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

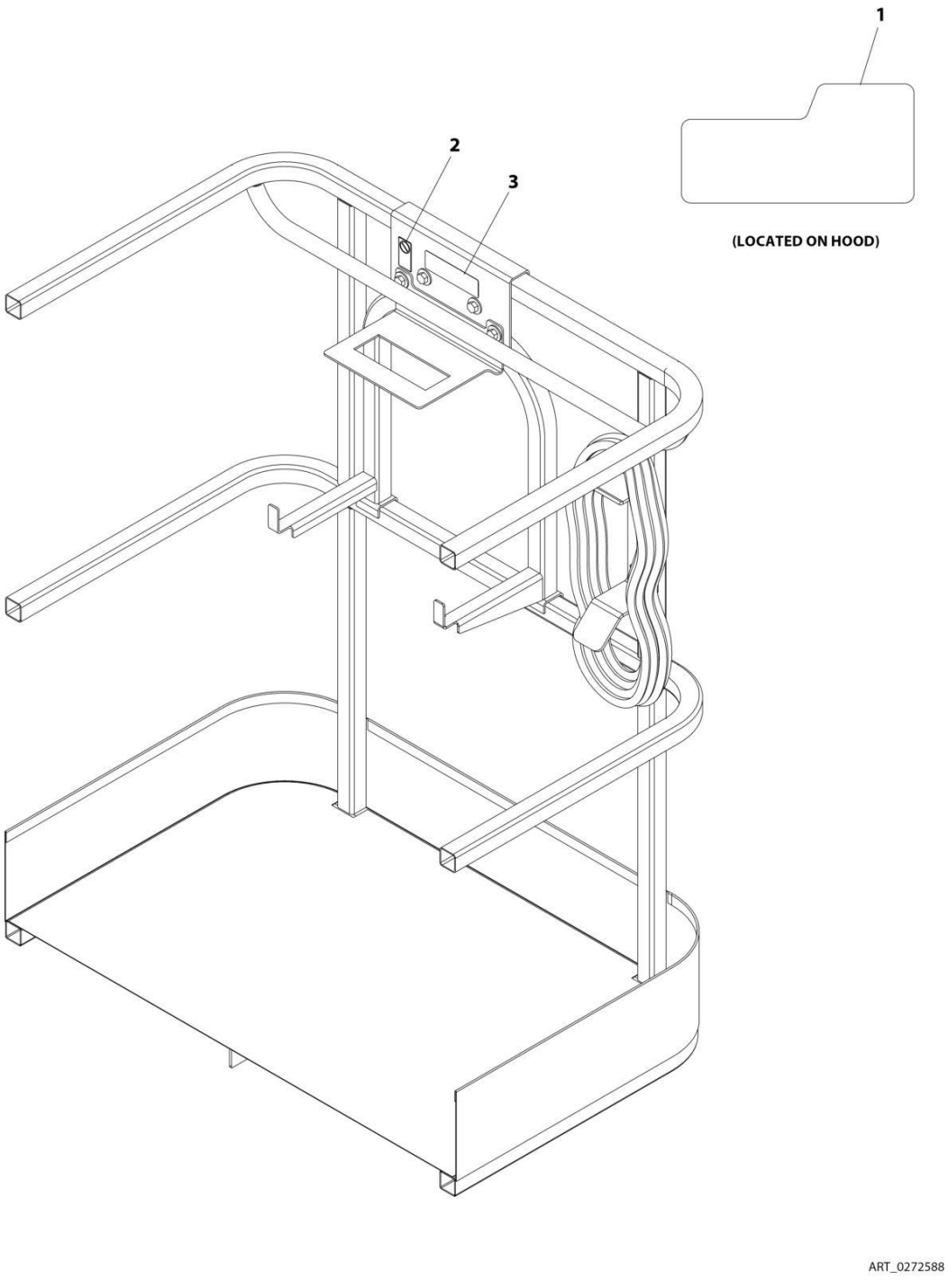


FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 50HZ (ANSI EXPORT SPECS)

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

SECTION 9 - DECALS

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

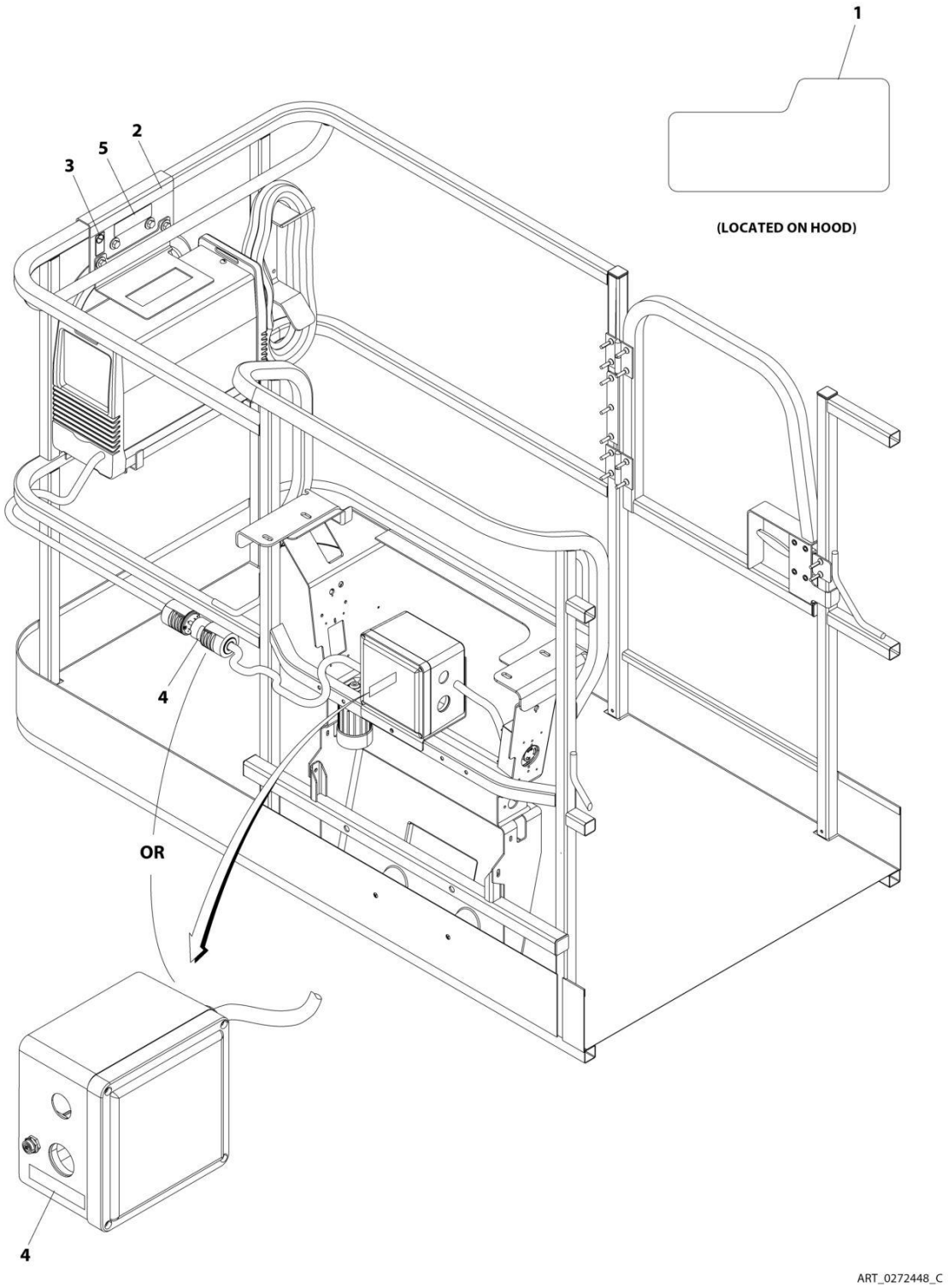


FIGURE 9-13. SKYWELDER DECAL INSTALLATION - 60HZ (ANSI EXPORT SPECS)

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
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
	4360476	1	Block, Contact	
	7020176	1	Block, Contact	
	1001189172	1	Breaker 16Amp Double (Breaker Box with Three Breakers)	
	1001159118	1	Breaker GFCI 30Amp 240VAC (240V AC Box at Platform)	
	1001181045	1	Breaker, 16Amp (Breaker Box with Single Breaker)	
	1001189171	1	Breaker, 30mA (Breaker Box with Three Breakers)	
	4360542	1	Breaker, Circuit (2500W Generators)	
	4360070	1	Breaker, Circuit - 15Amp (4000W/60Hz and 7500W Generators)	
	70006095	1	Breaker, Circuit 30Amp (7500W Generator with Deutz D2.9L4 Engine)	
	7024485	1	Breaker, Circuit 30Amp (7500W Generators with Deutz D2011 Engine)	
	70002386	1	Coil	
	70003788	1	Coil	
	70005219	1	Coil	
	1001142683	1	Control Module (Blue and Red Beacons)	
	1600359	1	Controller Assembly (Drive and Steer)	
	1001166539	1	Controller Assembly (Lift and Swing) (Use p/n 1001129555)	
	1001157196	1	Controller, Module (Console Box Assembly)	
	70010383	1	Element, Filter (400SC Control Valves)	
		Ref	Engine - Deutz D2011	
	70003783	12	Element, Air Cleaner	
	7020023	12	Filter, Fuel	
	70003463	12	Filter, Fuel - RME Resistant	
	7016331	12	Filter, Oil	
	3740140	1	Relay	
	70004058	1	Relay	
		Ref	Engine - Deutz D2.9L4	
	80983191	2	Fuse - 10 Amp	
	70023592	2	Fuse - 20 Amp	
	70023593	2	Fuse - 30 Amp	
	1001117308	1	Relay, 200Amp	
	1001138228	1	Relay, Power Module	
		Ref	Engine - Deutz D2.9L4 (Stage V)	
	70025161	12	Filter, Fuel	
	70025153	12	Filter, Fuel Pre	
	1001197719	2	Fuse - 0.5 Watt	
	70029512	1	Module, Engine Control	
	1001117308	1	Relay, 200Amp	
	1001138228	1	Relay, Power Module	
	1001117174	1	Footswitch Assembly	
	8229249	2	Fuse - 3 Amp (USB Charger)	
	1001196634	2	Fuse - 2 Amp	
	8229242	2	Fuse - 5 Amp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8229244	2	Fuse - 15 Amp	
	8229245	2	Fuse - 30 Amp (2500W Generators)	
	2860030	1	Key, Replacement	
	2940074	1	Latch (Platforms with Swing Gate)	
	1001170094	1	Module, Ground Control	
	3740080	1	Relay (2500W Generators)	
	70006553	1	Relay (ANSI Export Spec 4000W Generator)	
	1001186431	1	Relay (SkyGuard)	
	3740086	1	Relay (SkyLine)	
	1001095704	1	Relay 35Amp	
	70005254	1	Screen, Filter	
	1001219601	1	Sensor (Electrical Panel Assembly)	
	1001118971	1	Sensor, Angle (Boom Switches)	
	1001228225	1	Sensor, Emitter (SkyEye)	
	1001231195	1	Sensor, Fuel Level	
	1001170847	1	Sensor, Proximity (Boom Switches)	
	1001182570	1	Sensor, Proximity (Boom Switches)	
	1001232667	1	Sensor, Proximity (SkyLine)	
	1001228224	1	Sensor, Receiver (SkyEye)	
	1001237902	1	Sensor, SkySense	
	7024469	1	Switch with Lead (Welder Assembly)	
	1001225346	1	Switch, Battery (Battery Disconnect)	
	4360475	1	Switch, Emergency Stop	
	4360469	1	Switch, Key	
	4360407	1	Switch, Potentiometer	
	4360387	1	Switch, Push Button	
	4360274	1	Switch, Push Button (CE & UK CA Specs with Stage V Engine)	
	70004682	1	Switch, Reset (4000W Generators)	
	4360328	1	Switch, Toggle	
	4360336	1	Switch, Toggle	
	1001155045	1	Switch, Toggle	
	1001159256	1	Switch, Toggle	
	1001161709	1	Switch, Toggle DPDT	

SECTION 11 - SPECIAL OPTIONS

SECTION 11 - SPECIAL OPTIONS

FIGURE 11-1. SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	MISCELLANEOUS SPECIAL OPTIONS	
	1001174347	Ref	Airline Installation - 400SC	
	1001174348	Ref	Airline Installation - 460SJC	
	1001236541	Ref	Boom and Chassis Bellows Installation (400SC Only)	
	1001236540	Ref	Boom and Chassis Bellows Installation (460SJC Only)	
	1001172630	Ref	Boom Wiper Installation	
	1001183206	Ref	Cold Weather Package (Deutz T4F Engine) (ANSI, ANSI Export, CSA and Japan Specs)	
	1001183207	Ref	Cold Weather Package (Deutz T4i Engine) (ANSI Export Spec)	
	1001255807	Ref	Cold Weather Package (Deutz D2.9L4 Engines (Stage V)) (CE & UK CA Spec)	
	1001243183	Ref	ClearSky (Telematics) Added-on-Kit (Dealer Installed) (ANSI, ANSI Export, CSA, CE & UK CA Specs)	
	1001243184	Ref	ClearSky (Telematics) Added-on-Kit (Dealer Installed) (CE & UK CA Specs)	
	1001242639	Ref	ClearSky (Telematics)Access Control Installation (Dealer Installed) (ANSI, ANSI Export, CSA, CE & UK CA Specs)	
	1001227453	Ref	ClearSky Installation Canbus (All Specs)	
	1001228955	Ref	ClearSky Installation Canbus (ANSI Export, CE, Japanese & UK CA Specs)	
	1001229107	Ref	ClearSky Installation 3-Wire (ANSI and CSA Specs)	
	1001233237	Ref	ClearSky Installation 3-Wire (ANSI Export, CE, Japanese & UK CA Specs)	
	1001233047	Ref	Deutz Breather Heater Kit (Dealer Installed)	
	1001246867	Ref	Enhanced Detection System (EDS) Level 1 (2 Bar) Installation Kit	
	1001246860	Ref	Enhanced Detection System (EDS) Level 2 (3 Bar) Installation Kit	
	1001148902	Ref	Electrical Connector Kit - Amp/Tyco Electrical Connectors	
	1001148903	Ref	Electrical Connector Kit - Deutsch DT Electrical Connectors	
	1001148904	Ref	Electrical Connector Kit - Deutsch HD Electrical Connectors	
	1001148905	Ref	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kit - Various Electrical Connectors	
	1001257275	Ref	Fall Arrest Bolt Installation Kit - 30in x 60in	
	1001236747	Ref	Fall Arrest Bolt Installation Kit - 72in	
	1001238463	Ref	Fall Arrest Bolt Installation Kit - 72in	
	1001236746	Ref	Fall Arrest Bolt Installation Kit - 96in	
	1001172751	Ref	Fan Cover Installation - Deutz D2.9L4 Engines/Deutz D2.9L4 (Stage V) Engines (ANSI Export Specs)	
	1001204482	Ref	Filter Kit - Combined (Hydraulic Oil/Air & Engine Air/Fuel Oil) (Deutz)	
	1001117294	Ref	Footswitch Shield Installation	
	1001219794	Ref	Hose / Cable Protection	
	1001259446	Ref	Hydraulic Load Installation (Deutz D2.9L4 and Stage V Engines)	
	1001174925	Ref	Lights Installation - Headlights and Taillights	
	1001174926	Ref	Light Installation - Illumination	
	1001120466	Ref	Lights Installation - Platform Worklights	
	1001202749	Ref	Lockable Fuel Cap Cover - Black	
	1001191395	Ref	Lockable Fuel Cap Cover - Green (ANSI, ANSI Export and CSA Specs)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183407	Ref	Low Temperature Cutout Installation (Russian Specs)	
	1001266290	Ref	Platform Cover Installation - Steel	
	1001195304	Ref	Platform Cover Installation - Clear	
	1580013	Ref	Platform Corner Storage Tray	
	1001266098	Ref	Platform Plastic Mesh to Mid Rail Installation - 36in X 8ft (91.5cm x 2.44m) (ANSI and ANSI Export Specs)	
	1001266489	Ref	Platform Plastic Mesh to Top Rail Installation - 36in X 6ft (91.5cm x 1.83m) (ANSI and CSA Specs)	
	1001266056	Ref	Platform Plastic Mesh to Top Rail Installation - 36in X 8ft (91.5cm x 2.44m) (ANSI and CSA Specs)	
	0272733	Ref	Platform Rail Extension Installation - 36in x 72in Platforms	
	0272725	Ref	Platform Rail Extension Installation - 36in x 96in Platforms	
	1001247073	Ref	SkyEye Retrofit Kit	
	1001232643	Ref	SkyLine Kit	
	1001253945	Ref	SkySense (EDS) Level 1 Booms Installation (PVC 2001) (Factory Installed)	
	1001250465	Ref	SkySense (EDS) Level 1 Booms Installation (PVC 2007) (Factory Installed)	
	1001253946	Ref	SkySense (EDS) Level 2 Booms Installation (PVC 2001) (Factory Installed)	
	1001250466	Ref	SkySense (EDS) Level 2 Booms Installation (PVC 2007) (Factory Installed)	
	1001246867	Ref	SkySence (EDS) Level 1 (2 Bar) Installation Kit (Dealer Installed)	
	1001246860	Ref	SkySence (EDS) Level 2 (3 Bar) Installation Kit (Dealer Installed)	
	1001231235	Ref	Sky Welder Locking Bracket	
	2901443	Ref	Tools - Analyzer Kit	
	1001137005	Ref	Tools - Cable Kit, Software	
	7002821	Ref	Tools - Crimper, Wire	
	7002823	Ref	Tools - Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460510	Ref	Tools - Pin Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460467	Ref	Tools - Pin Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016654	Ref	Tools - Screwdriver, Magnetic	
	7002822	Ref	Tools - Screwdriver, Potentiometer	
	7004275	Ref	Tools - Seal Tool 1in (For Cylinders)	
	7004276	Ref	Tools - Seal Tool 1-1/2in (For Cylinders)	
	7002828	Ref	Tools - Stripper, Wire	
	1001262959	Ref	Voltage Regulator Relocation Kit (ClearSky)	
	1001209059	Ref	Work Surface Installation	
	1001263176	Ref	White Noise Alarm	

PART NUMBER INDEX

SECTION 11 - SPECIAL OPTIONS

0080231.....142, 154
0100009.....337
0100011.....31, 33, 45, 47, 49, 51, 61, 63, 69, 71, 84, 88, 91, 93, 95, 97, 113, 123, 131, 137, 139, 142, 147, 151, 154, 163, 167, 170, 177, 181, 184, 195, 199, 202, 211, 213, 215, 237, 239, 243, 247, 251, 255, 259, 263, 267, 271, 275, 277, 287, 289, 291, 297, 299, 301, 303, 305, 309, 317, 319, 321, 323, 325, 327, 329, 353, 355, 359, 361, 363, 369
0100019.....117, 125, 243, 247, 251, 255, 259, 263, 267, 271
0100020.....137, 142, 147, 154, 163, 170, 171, 177, 184, 195, 202, 347, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433
0100035.....65, 123, 217, 337, 349
0100048.....75, 239, 243, 247, 251, 255, 259, 263, 267, 271
0100079.....247, 251, 255, 263, 267, 271
0100081.....142, 154, 170, 184, 202, 357, 461, 463, 465, 467, 469, 471, 473, 475
0140011.....337
0140043.....67
0200048.....353
0257728.....351
0270022.....411
0272254.....361
0272427.....353
0272435.....269, 273
0272448.....555
0272521.....359
0272588.....553
0272589.....265
0272725.....563
0272733.....563
0273380.....269, 273
0275216.....415, 503
0275217.....419, 505
0275452.....421, 507
0275453.....423, 509
0275454.....431, 511
0400075.....69, 71
0440162.....137, 147, 163, 177, 195
0440240.....125
0480100.....351
0480122.....239
0480126.....251, 263
0480128.....247, 267
0561237.....473
0630462.....353
0630518.....111, 349, 359, 361, 363
0630534.....385
0630563.....461, 463, 465, 467, 469, 471, 473, 475
0630568.....337
0630613.....84, 88
0641404.....369
0641405.....337, 369
0641406.....335, 375, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547
0641408.....335, 371
0641410.....91, 93, 95, 97
0641414.....337, 353, 355, 371, 373
0641416.....413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433
0641418.....309, 319, 321, 323, 325, 327, 329, 469, 471
0641420.....317
0641504.....137, 147, 163, 177, 195, 467, 469, 471, 473, 475
0641507.....239, 243
0641514.....351
0641606.....359, 361, 363
0641608.....291
0641610.....215, 217, 335
0641616.....247, 251, 255, 259, 263, 267, 271
0641772.....239, 243
0641812.....139, 151, 167, 181, 199
0642012.....357
0642212.....357
0681608.....172, 186, 301
0681814.....331, 333
0681822.....331, 333
0682026.....125
0682034.....125
0700408.....413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433
0700612.....45, 47, 49, 51
0700614.....137, 147
0700620.....67, 469, 471, 473, 475
0700817.....137, 147, 163, 177, 195
0700818.....137, 147, 247, 255, 263, 267, 271
0700821.....163, 177, 275, 277
0700822.....195
0701017.....163, 177, 195
0701018.....123
0701020.....123, 291
0701219.....237
0701222.....289
0701223.....237
0701224.....113, 237
0701225.....113
0701618.....117
0701619.....283, 285
0711214.....170, 184, 202
0711224.....142, 154, 170, 184, 202, 211, 213, 239, 243, 247, 251, 255, 259, 263, 267, 271
0721005.....353
0721006.....215, 217
0731005.....45, 47, 49, 51, 123
0741606.....170, 184, 202
0741607.....247, 251, 255, 259, 271
0760415.....305
0760606.....247, 251, 255, 259, 263, 267, 271
0760607.....172, 186, 202
0760608...88, 95, 97, 239, 243
0760610.....45, 47, 49, 51, 67, 69, 71, 91, 93, 131, 137, 142, 147, 154, 163, 170, 177, 184, 195, 202, 233, 235, 247, 251, 255, 259, 263, 267, 271, 439
0760612.....67
0760613.....163, 177, 195
0760614.....91, 93, 95, 97, 143, 155, 251, 259, 453
0760615.....77, 79
0760619.....398, 406
0760808.....170, 184, 204
0760810.....172, 186, 202, 301
0760812.....170, 184, 202, 233, 235, 239, 243, 248, 251, 256, 264, 268, 272, 275, 441
0760814.....142, 154, 170, 184, 202, 211, 213, 277, 461, 463, 465, 469, 471, 473, 475
0760815.....142, 154, 172, 186, 202
0760816.....84, 88
0761009.....239, 303
0761010.....31, 33
0761012.....69, 71, 84, 88, 91, 93, 287, 291, 303
0761014.....45, 47, 49, 51, 84, 88, 95, 97, 115, 170, 184, 195, 202, 239, 243, 301, 461, 463, 465, 467, 469, 471, 473, 475
0761015 31, 33, 123, 137, 142, 147, 154, 163, 170, 177, 184, 195, 202, 243, 291
0761016.....45, 47, 49, 51, 81, 170, 184, 202, 305
0761018.....461, 463, 469, 471
0761019.....287, 289
0761210.....170, 184, 202
0761212.....170, 184, 202, 255, 259, 271
0761214.....243, 247, 251, 263, 267
0761216.....301
0761217.....287, 289
0761218.....283, 285
0761227.....113
0761620.....117
0771212.....164, 178, 195, 202
0771414.....142, 154, 170, 184, 202, 211, 213, 239, 243, 247, 251, 255, 259, 263, 267, 271
0771416.....247, 251, 263, 267
0772018.....117
0860038.....247, 255, 267, 271, 411
0860520.....529, 531, 533, 535, 537, 539, 541, 543, 545, 547
0861538.....267, 271
0861572.....263
0861731.....425, 427, 429, 433, 507, 509, 511
0861781.....413, 417, 503, 505
0861880.....455, 457
0902888.....247, 255, 263, 267, 271
0940049.....45, 47, 49, 51, 84, 88
0940092.....353
0940094.....353
0940102.....357
0940103.....353
0961845.....309, 317, 319, 321, 323, 325, 327, 329
0961893.....385
0961947.....291
0961950.....287, 289, 383
0961951.....142, 154, 170, 184, 202, 287
0962051.....237
0962270.....331, 333
0962335.....291
0962336.....385
0962348.....289
0962520.....247, 251, 255, 259, 263, 267, 271
1001091102.....439, 453
1001091969.....415
1001091970.....419
1001091973.....421
1001091974.....423
1001091975.....431
1001093382.....69, 71
1001093553.....529, 531, 533, 535, 537, 539, 541, 543, 545, 547
1001093684.....537, 539
1001095704.....514, 559
1001096070.....251, 259, 457
1001097051.....523

1001097150 ..... 455, 457, 459
1001097244 377
1001098122 ..... 347, 499
1001098828 301
1001098928 ..... 398, 406
1001099366 357
1001099367 357
1001099560 ..... 287, 289
1001100341 503
1001100342 505
1001100345 507
1001100346 511
1001100347 509
1001101191 ..... 415, 419, 421, 423, 431
1001101196 ..... 415, 419
1001101197 ..... 421, 423, 431
1001103012 513
1001104029 ..... 247, 255, 264, 268, 272
1001104498 513
1001104519 495
1001106736 67
1001106837 113
1001107854 513
1001110092 ..... 399, 407
1001110434 337
1001110872 ..... 435, 437
1001110873 ..... 248, 255, 268, 272, 411
1001111424 ..69, 71, 142, 154, 171, 185
1001112612 ..... 443, 514
1001112796 443
1001113047 88
1001113961 513
1001116208 549
1001116693 499
1001116710 487
1001116725 513
1001116732 493
1001116734 493
1001116748 513
1001116763 513
1001116774 443
1001116808 443
1001116812 483
1001116952 ..... 479, 483
1001116983 487
1001117057 493
1001117106 ..... 479, 483, 514
1001117107 ..... 479, 483
1001117110 514
1001117140 88
1001117172 347
1001117174 ..... 337, 347, 558
1001117294 562
1001117308 ..... 171, 185, 203, 558
1001118378 513
1001118384 519
1001118388 519
1001118878 .....171, 185, 203
1001118971 .....305, 559
1001118972 .... 45, 47, 49, 51, 123
1001119020 .....443, 514
1001119032 513
1001119278 .....147, 177
1001119619 521
1001119620 .....523, 525
1001120328 . 67, 355, 369
1001120466 562
1001120471 377
1001120477 377
1001120484 377
1001120989 550
1001125387 .....164, 178
1001125677 .....500, 514
1001126009 519
1001126351 .....479, 484
1001126362 .....479, 483
1001126363 .....479, 483
1001126364 .....479, 483
1001126365 479
1001126391 .....479, 483
1001126392 .....479, 483
1001126485 484
1001126487 484
1001128527 363
1001128556 363
1001129858 248
1001131269 .....539, 545, 547
1001132195 .....142, 154
1001132196 .....142, 154
1001133714 .....480, 484
1001133715 .....480, 484
1001133956 .....479, 484
1001133957 .....479, 484
1001134488 .....171, 185
1001134543 117
1001135196 .....137, 147, 163, 177, 195
1001135650 .....480, 484
1001135651 .....480, 484
1001135679 .....243, 255, 259, 272
1001136834 .....171, 185, 203
1001137005 563
1001137032 .....287, 289
1001137673 355
1001138173 .....142, 154, 171, 185, 203
1001138175 .....142, 154, 171, 185, 203
1001138228 .....171, 185, 203, 558
1001138248 .....142, 155, 171, 185, 203
1001138494 .....317, 319, 321, 323, 325, 327, 329
1001138514 .....317, 319, 321, 325, 329
1001138565 251
1001138566 .....248, 252, 256, 259
1001138795 385
1001138827 ..... 171, 185
1001139240 ..... 171, 185
1001139357 ..... 248, 252
1001139384 .... 91, 93, 95, 97
1001139654 195
1001139819 ..... 142, 154
1001140312 186
1001140346 256
1001140347 259
1001140429 ..... 309, 317, 319, 321, 323, 325, 327, 329
1001140564 ..... 171, 185
1001141300 550
1001141302 550
1001141304 ..... 171, 185, 203
1001141694 ..... 143, 154, 171, 185, 203
1001141870 ..... 215, 217
1001141995 ..... 143, 154, 171, 185, 203
1001142501 ..... 163, 177, 195, 215, 217
1001142643 ..... 256, 272
1001142646 ..... 256, 272
1001142683 ... 77, 79, 558
1001142736 ... 77, 79, 443
1001142938 ..... 480, 483
1001142940 ..... 480, 483
1001142941 ..... 480, 483
1001143390 ..... 143, 154, 171, 185, 203
1001143797 ..... 171, 185, 203
1001143852 550
1001144116 ..... 171, 185, 203
1001144295 45
1001144433 355
1001144629 ..... 311, 313, 315, 323, 327
1001146588 ..... 196, 204
1001147264 479
1001148059 260
1001148138 244
1001148641 ..... 240, 243, 248, 252, 256, 260, 264, 268, 272
1001148675 ..... 435, 437
1001148902 562
1001148903 562
1001148904 562
1001148905 562
1001148906 562
1001149160 ..... 84, 88
1001150324 .... 45, 47, 49, 51
1001150918 ..... 148, 178
1001150998 ..... 143, 155
1001151393 99, 101, 103, 105, 107, 109
1001152456 ..... 248, 256
1001152457 ..... 248, 256
1001152483 459
1001152485 .....439, 459
1001152489 .....171, 185, 203
1001152525 .....248, 256, 265, 269, 273
1001152530 .....248, 256
1001152532 .....248, 252, 256, 260, 491
1001153260 .....248, 256
1001154405 .....163, 177, 195, 215, 217
1001154726 493
1001155041 243
1001155043 .... 53, 55, 57, 59
1001155044 .... 53, 55, 57, 59, 337
1001155045 .... 53, 55, 57, 59, 337, 559
1001155823 .....163, 177, 195
1001156107 .....137, 147, 196
1001157196 .....337, 558
1001157520 .....265, 269, 273
1001157521 .....265, 269, 273
1001157525 264
1001157528 .....265, 269, 273
1001157592 .....268, 272
1001158007 .....265, 269, 273
1001158008 .....248, 256, 265, 269, 273
1001158363 .....248, 256
1001159118 .....435, 437, 558
1001159119 .....435, 437
1001159120 .....435, 437
1001159121 437
1001159162 67
1001159256 .....337, 559
1001159323 . 88, 533, 535
1001161709 .....337, 559
1001162335 .....172, 186, 215
1001162531 .....31, 35
1001162532 .....33, 39
1001162538 ..... 31, 33, 43
1001163385 .....283, 285, 387
1001163386 .....287, 289, 381
1001163418 123
1001163459 287
1001163470 287
1001163482 .....285, 289
1001163483 289
1001163492 289
1001163939 123
1001164202 237
1001164487 .....275, 277
1001164489 .....275, 277
1001164491 .....275, 277
1001164492 .....275, 277

SECTION 11 - SPECIAL OPTIONS

1001164709 383
1001165035 ..... 163, 178, 195
1001165060 84
1001165363 389
1001165388 ..... 143, 155, 171, 185, 203
1001165389 ..... 143, 155
1001165405 ..... 171, 185, 203
1001165406 ..... 171, 185, 203
1001165531 303
1001165534 303
1001165538 303
1001165567 291
1001165721 ..... 171, 185
1001165722 ..... 171, 185, 203
1001165849 ..... 171, 185, 203
1001166000 ..... 167, 170
1001166020 ..... 139, 142
1001166031 123
1001166338 275
1001166539 ..... 337, 343, 558
1001166710 123
1001166717 ..... 143, 155
1001166718 ..... 143, 155, 171, 185, 203, 211, 213
1001166894 237
1001166921 ..... 171, 185, 203
1001166922 ..... 171, 185, 203, 213
1001166924 ..... 171, 185, 203
1001166970 ..... 163, 178, 195
1001166997 389
1001167038 ..... 137, 147
1001167108 ..... 171, 185, 479
1001167111 ..... 143, 155, 477
1001167159 84
1001167164 ..... 233, 235
1001167512 ..... 137, 148, 163, 178, 195
1001167520 ..... 143, 155, 171, 185, 203
1001167565 301
1001167567 301
1001167596 301
1001167632 483
1001167635 484
1001167916 31
1001167917 33
1001167918 88
1001168018 ..... 143, 155, 171, 185, 203, 211, 213, 240, 243, 248, 252, 256, 260, 264, 268, 272
1001168026 ..... 171, 185, 203
1001168059 ..... 143, 155
1001168099 ..... 171, 185, 203
1001168166 ..... 172, 185, 203
1001168173 84
1001168207 ..... 211, 243, 256, 260, 272
1001168209 ..... 381, 389
1001168210 381
1001168402 301
1001168841 287
1001168842 ..... 287, 289
1001168843 ..... 283, 285
1001168844 ..... 283, 285
1001168845 ..... 283, 285
1001168847 289
1001168848 287
1001168849 ..... 287, 289
1001168854 ..... 283, 285
1001169046 ..... 84, 88
1001169054 ..... 172, 186, 203
1001169138 ..... 172, 186, 203
1001169191 81
1001169192 81
1001169193 81
1001169284 ..... 287, 289
1001169285 ..... 287, 289
1001169286 ..... 287, 289
1001169287 ..... 287, 289
1001169288 ..... 287, 289
1001169289 ..... 287, 289
1001169380 ..... 287, 289
1001169496 129
1001169582 129
1001169611 303
1001169669 285
1001169823 ..... 137, 148, 163, 178, 196
1001169967 ..... 172, 186, 203
1001170035 ..... 172, 186, 203
1001170094 ..... 67, 559
1001170145 69
1001170224 279
1001170551 ..... 84, 91
1001170552 ..... 84, 93
1001170564 305
1001170565 305
1001170642 305
1001170650 233
1001170662 233
1001170663 ..... 233, 235
1001170664 ..... 233, 235
1001170693 ..... 143, 155, 157
1001170764 484
1001170847 ..... 299, 305, 559
1001170850 84
1001171067 ..... 287, 289
1001171112 ..... 287, 289
1001171131 435
1001171324 ..... 287, 289
1001171339 535
1001171482 ..... 53, 55, 57, 59
1001171667 ..... 287, 289
1001171953 ..... 139, 151, 167, 181, 199
1001171954 ..... 139, 151, 167, 181, 199
1001171966 ..... 287, 289
1001171967 ..... 287, 289
1001172128 ..... 461, 463, 465, 467, 469, 471, 473, 475
1001172195 137
1001172566 549
1001172567 549
1001172568 549
1001172569 549
1001172570 549
1001172573 549
1001172574 549
1001172575 549
1001172576 549
1001172577 357
1001172578 357
1001172630 562
1001172694 399
1001172696 399
1001172713 ..... 399, 407
1001172715 ..... 399, 407
1001172716 ..... 399, 407
1001172719 ..... 399, 407
1001172720 ..... 399, 407
1001172721 ..... 399, 407
1001172751 562
1001172757 ..... 45, 47, 49, 51, 67
1001172760 337
1001172816 75
1001173233 299
1001173342 ..... 163, 178, 196, 487
1001173354 ..... 84, 88
1001173356 84
1001173456 ..... 461, 463, 465, 467, 469, 471, 473, 475
1001173594 ..... 461, 463
1001173599 ..... 469, 471
1001173600 467
1001173605 475
1001173656 277
1001173657 275
1001173665 ..... 461, 463, 465, 467, 469, 471, 473, 475
1001173761 ..... 461, 463, 465, 467, 469, 471, 473, 475
1001173763 303
1001173807 ..... 449, 461, 463, 465, 467
1001173808 ..... 451, 461, 463, 465, 467, 469, 471, 473, 475
1001173810 267
1001173811 263
1001173899 ..... 399, 407
1001173900 ..... 399, 407
1001173901 ..... 399, 407
1001173902 ..... 399, 407
1001173903 ..... 399, 407
1001173904 ..... 399, 407
1001173905 407
1001173906 407
1001173907 ..... 399, 407
1001173908 ..... 399, 407
1001173909 ..... 399, 407
1001173925 ..... 248, 252, 264, 268
1001173927 ..... 461, 463, 465, 467, 469, 471, 473, 475
1001173937 ..... 399, 407
1001173983 247
1001174040 301
1001174098 ..... 84, 88
1001174158 260
1001174347 562
1001174348 562
1001174367 271
1001174675 ..... 260, 264, 268, 272
1001174777 ..... 181, 184
1001174783 ..... 151, 154
1001174925 562
1001174926 562
1001175068 279
1001175071 279
1001175073 237
1001175074 237
1001175075 237
1001175170 465
1001175171 473
1001175239 465
1001175241 473
1001175542 255
1001175631 ..... 248, 256
1001176469 ..... 101, 103, 107, 109
1001176636 ..... 469, 471, 473, 475
1001176862 435
1001176899 303
1001176952 ..... 445, 461, 463, 465, 467
1001176953 ..... 447, 469, 471, 473, 475
1001177359 ..... 172, 186, 203
1001177523 ..... 275, 277
1001178415 549
1001178433 549
1001178435 549
1001178788 ..... 171, 185, 203
1001178859 ..... 143, 155
1001178876 ..... 172, 186
1001179154 ..... 248, 256, 268, 273
1001179156 ..... 275, 277
1001179426 277
1001179440 275
1001179836 243

1001179837 243
1001179893 244
1001179903 ..... 172, 186, 203
1001180001 243
1001180620 ..... 172, 186, 203
1001180797 243
1001180798 239
1001181045 ..... 455, 457, 558
1001181051 ..... 291, 295
1001181075 ..... 399, 407
1001181076 407
1001181077 407
1001181243 244
1001181319 467
1001181329 ..... 461, 463, 465, 473, 475
1001181405 75
1001181895 186
1001182296 ..... 240, 244
1001182361 ..... 479, 484
1001182365 ..... 479, 484
1001182570 ..... 299, 305, 559
1001182806 131
1001183206 562
1001183207 562
1001183407 563
1001183477 ..... 240, 244
1001184618 ..... 529, 531, 533, 535, 537, 539, 541, 543, 545, 547
1001184626 337
1001184637 240
1001184644 240
1001184645 240
1001185237 533
1001185821 .....69, 71, 73
1001186333 331
1001186334 333
1001186377 317
1001186379 319
1001186382 321
1001186383 315
1001186384 313
1001186386 311
1001186431 ..... 355, 559
1001186432 ..... 495, 519
1001186517 355
1001187077 514
1001187078 514
1001187382 301
1001187383 301
1001187522 ..... 240, 244, 493
1001187674 367
1001187681 521
1001187807 ..... 111, 349
1001188622 301
1001188731 ..... 240, 244
1001188844 301
1001188972 ..... 147, 177
1001189001 301
1001189002 301
1001189171 ..... 459, 558
1001189172 .....459, 558
1001189236 .....139, 151, 167, 181, 199, 225
1001189237 .....139, 151, 167, 181, 199, 221
1001189521 113
1001189522 113
1001189523 113
1001189805 ..... 19, 21, 23
1001190663 131
1001190868 .....137, 139
1001190869 137
1001190871 549
1001190872 .....529, 531, 533, 535, 537, 539, 541, 543, 545, 547, 549
1001190876 549
1001190921 514
1001190968 15
1001190985 301
1001191076 .....533, 535
1001191275 .....398, 406
1001191276 .....398, 406
1001191362 .....398, 406
1001191364 .....398, 406
1001191365 .....398, 406
1001191395 562
1001191620 .....172, 186, 203
1001192020 549
1001192401 514
1001193003 .....399, 407
1001193006 .....399, 407
1001193007 .....399, 407
1001193008 .....399, 407
1001193009 .....399, 407
1001193010 .....399, 407
1001193011 .....399, 407
1001193018 .....413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433
1001193133 549
1001193134 549
1001193135 549
1001193136 549
1001193336 123
1001193654 .....399, 407
1001193655 .....399, 407
1001193656 .....399, 407
1001193657 .....399, 407
1001193658 .....399, 407
1001193659 .....399, 407
1001193661 .....399, 407
1001194197 425
1001194198 427
1001194200 429
1001194203 413
1001194204 417
1001194365 433
1001195304 563
1001196382 .....248, 252, 256, 260, 264, 268, 272
1001196589 513
1001196602 513
1001196604 514
1001196634 .....231, 514, 558
1001196636 513
1001196637 49
1001197017 353
1001197408 ..... 533, 535
1001197719 ..... 484, 558
1001199035 549
1001199207 ..... 84, 88
1001199901 ..... 84, 88
1001200458 ..... 91, 93
1001200491 301
1001200494 301
1001200910 77
1001201127 549
1001201351 301
1001201633 93
1001201634 93
1001201635 91
1001201636 91
1001202228 ..... 533, 535
1001202298 84
1001202494 125
1001202687 301
1001202749 562
1001202940 ..... 398, 407
1001202941 399
1001202942 407
1001202946 ..... 399, 407
1001203434 ..... 461, 463
1001203435 ..... 469, 471
1001203459 ..... 469, 471, 475
1001203655 331
1001203656 333
1001204482 562
1001204715 ..... 299, 305
1001204725 301
1001205958 ..... 421, 423, 425, 427, 429, 431
1001206314 ..... 84, 88
1001206402 88
1001206403 88
1001206404 ..... 88, 95
1001206405 95
1001206418 ..... 88, 97
1001206476 441
1001206625 383
1001207004 79
1001207726 97
1001208874 ..... 31, 33
1001208994 301
1001209059 563
1001209099 297
1001209100 297
1001209432 441
1001209474 441
1001209618 131
1001209664 355
1001209677 439
1001209832 439
1001210251 ..... 399, 407
1001210252 ..... 399, 407
1001210254 ..... 399, 407
1001210636 377
1001211633 88
1001211636 88
1001211877 233
1001211878 233
1001212223 272
1001212819 88
1001212822 88
1001213447 499
1001213882 337
1001214459 .....163, 167
1001214460 163
1001214570 441
1001214571 441
1001214975 .....143, 155
1001215229 337
1001215285 .....541, 543
1001215286 .....545, 547
1001215290 .....541, 543
1001215373 67
1001216550 17
1001216630 301
1001217209 549
1001217210 549
1001217211 549
1001217488 549
1001218538 127
1001218676 127
1001219130 127
1001219134 88
1001219601 .....67, 559
1001219794 562
1001219904 19
1001220266 196
1001220379 480
1001221406 101
1001221407 105
1001221408 99
1001221927 .....287, 293
1001222043 88
1001222044 88
1001222143 101
1001222144 105
1001222145 99
1001223055 .....529, 531
1001223122 .....204, 248, 252, 256, 260, 264, 268, 272
1001223309 235
1001223310 235
1001223328 235
1001223387 88
1001223453 .....529, 531, 537, 539
1001223454 235
1001223459 .....479, 483
1001223802 .....163, 178
1001223899 291
1001223971 .....537, 539
1001224048 .....545, 547
1001224888 303
1001225346 .....441, 559
1001225430 189
1001225580 .....355, 495
1001226400 .....445, 447
1001226531 441
1001226872 309
1001227453 562
1001227568 147
1001227569 177
1001227570 .....148, 151
1001227571 .....178, 181

SECTION 11 - SPECIAL OPTIONS

1001227576 148
1001227633 367
1001227634 367
1001227662 .....529, 531
1001227695 .....537, 539
1001227698 .....545, 547
1001227985 367
1001227987 367
1001227996 .....523, 525
1001228092 .....283, 285, 383
1001228215 309
1001228224 .....367, 559
1001228225 .....367, 559
1001228243 327
1001228375 329
1001228376 323
1001228377 325
1001228406 .....84, 88
1001228487 .....117, 120
1001228492 117
1001228955 562
1001228988 .....363, 553, 555
1001229107 562
1001229341 367
1001230635 .....171, 185, 203
1001230784 .....252, 260, 453
1001230907 453
1001230908 251
1001230931 513
1001230934 .....479, 484
1001230935 .....479, 484
1001230936 .....479, 484
1001231195 .....123, 559
1001231235 563
1001231801 549
1001231886 131
1001232164 367
1001232165 367
1001232545 .....203, 207
1001232642 369
1001232643 563
1001232667 .....369, 559
1001232842 231
1001232907 115
1001232908 115
1001232913 115
1001232915 115
1001232916 115
1001232917 115
1001233047 562
1001233048 115
1001233075 115
1001233076 115
1001233077 115
1001233237 562
1001233412 115
1001233413 115
1001233436 115
1001233763 .....178, 231
1001233959 .....111, 349
1001234800 .....479, 484
1001235527 63
1001235528 .....61, 63, 65
1001235529 ..... 61, 63, 65
1001235531 .....57, 63
1001235949 .....204, 217
1001236087 349
1001236091 111
1001236303 71
1001236304 441
1001236504 441
1001236505 441
1001236540 562
1001236541 562
1001236552 369
1001236608 .....19, 21
1001236609 15
1001236746 562
1001236747 562
1001236780 204
1001237544 349
1001237546 111
1001237549 115
1001237667 .....499, 513
1001237668 .....499, 513
1001237822 .... 45, 47, 49, 51
1001237849 .... 45, 47, 49, 51, 513
1001237862 .....523, 525
1001237863 .....367, 523
1001237864 .....367, 525
1001237865 .....367, 521
1001237888 .....371, 373
1001237891 373
1001237898 .....371, 373
1001237902 .....371, 373, 559
1001238161 .... 45, 47, 49, 51, 489
1001238254 .....337, 499
1001238255 .... 45, 47, 49, 51, 517
1001238256 .... 45, 47, 49, 51, 497
1001238319 367
1001238418 .....369, 519
1001238421 301
1001238463 562
1001238472 369
1001238479 45
1001238480 49
1001238495 355
1001238559 369
1001238886 61
1001238887 .....53, 61
1001238911 204
1001238913 107
1001238914 107
1001238932 71
1001239202 483
1001239293 .....49, 57
1001239294 .....45, 53
1001239333 537
1001239334 539
1001239335 537
1001239336 539
1001239512 ..... 45, 47, 51
1001239519 .....335, 337
1001239520 335
1001239557 529
1001239558 529
1001239560 531
1001239561 531
1001239567 545
1001239571 545
1001239582 547
1001239583 547
1001239585 541
1001239587 541
1001239594 543
1001239595 543
1001241162 371
1001241965 369
1001242639 562
1001242851 77
1001242852 79
1001243092 371
1001243183 562
1001243184 562
1001243205 371
1001243414 .....84, 88
1001243895 231
1001244019 211
1001244024 213
1001244286 .....199, 202
1001244288 195
1001244289 .....196, 199
1001244335 373
1001244336 371
1001244414 17
1001244421 19
1001244519 398
1001244520 406
1001244521 .....399, 407
1001244522 .....399, 407
1001244671 373
1001244709 373
1001244710 373
1001244732 373
1001244733 373
1001244873 283
1001244874 .....283, 287
1001245305 196
1001245317 65
1001245379 .....55, 59, 65
1001245380 .....51, 59
1001245828 103
1001245829 109
1001245832 103
1001245833 109
1001245839 .....204, 483
1001245988 .....47, 55
1001245990 47
1001245992 51
1001246087 127
1001246389 371
1001246860 .....562, 563
1001246867 .....562, 563
1001247048 .....289, 291
1001247073 563
1001247252 371
1001247468 301
1001247656 259
1001248012 .....291, 385
1001248190 260
1001249965 .....172, 186, 189
1001250287 .....84, 88
1001250289 .....84, 88
1001250465 563
1001250466 563
1001250681 .... 45, 47, 49, 51
1001250764 .....529, 531, 537, 539, 541, 543, 545, 547, 549
1001250765 .....533, 535
1001250835 533
1001250836 535
1001250906 533
1001250907 535
1001251075 .....287, 289, 389
1001252527 .....479, 484
1001252946 351
1001252947 351
1001253375 495
1001253945 563
1001253946 563
1001254472 369
1001254473 369
1001254665 529
1001254666 529
1001254667 537
1001254668 537
1001254669 545
1001254670 545
1001254677 541
1001254678 541
1001254750 531
1001254751 539
1001254752 547
1001254756 543
1001255133 301
1001255807 562
1001256506 480
1001256507 479
1001256879 196
1001257275 562
1001258340 275
1001258341 277
1001258730 .....371, 373
1001258804 204
1001259446 562
1001260412 .....172, 186, 204
1001260420 .....172, 185, 203
1001260432 259
1001260524 371
1001260525 .....371, 373
1001261045 259
1001261085 259
1001262959 563
1001263176 563
1001265163 377
1001265342 377
1001266056 563
1001266098 563
1001266290 563
1001266489 563
1001268234 549

1001271497 499
1001272288 549
1001288195 305
1060341 353
1060343 ..... 268, 272
1060379 351
1060494 ..... 240, 244
1060626 ..... 147, 177
1060903 353
1060908 .....455, 457, 459
1060918 347
1062255 196
10702077 ...264, 269, 273
10702082 ...265, 269, 273
1120555 357
1260017 129
1320016 ..... 142, 154
1320061 195
1320176 279
1320187 195
1320190 195
1320223 ..... 147, 177
1320302 .....359, 361, 363
1321716 ....170, 184, 202, 239, 243, 248, 251, 256, 259, 264, 268, 272
1380147 237
1580012 375
1580013 563
1600359 .....337, 341, 558
1670603 433
1670769 ....469, 471, 473, 475
1671092 ..... 269, 273
1671093 361
1701499 ..15, 17, 21, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547
1701500 ....529, 531, 533, 535, 537, 539, 541, 543, 545, 547
1701504 ....529, 531, 533, 535, 537, 539, 541, 543, 545, 547
1701505 ....137, 147, 163, 177, 195
1701509 ....357, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547
1701518 ..... 533, 535
1701529 ....529, 531, 533, 535, 537, 539, 541, 543, 545, 547
1702300 ....529, 531, 533, 535, 537, 539, 541, 543, 545, 547
1702566 337
1702567 337
1702773 ....331, 333, 533, 535, 549
1702774 549
1702861 549
1702868 ....363, 529, 531, 555
1702938 353
1702941 ..... 147, 177
1702942 ..... 147, 177
1702943 .....147, 177
1702944 .....147, 177
1703162 .... 142, 154, 170, 184, 202
1703797 .....529, 531
1703798 .....529, 531
1703804 .....529, 531
1703805 .....529, 531
1703814 ..... 15, 17, 21
1703924 .....537, 539
1703926 .....541, 543
1703927 .....545, 547
1703930 .....537, 539
1703932 .....541, 543
1703933 .....545, 547
1703936 .....537, 539
1703938 .....541, 543
1703939 .....545, 547
1703942 .....537, 539
1703944 .....541, 543
1703945 .....545, 547
1703948 .....537, 539
1703950 .....541, 543
1703951 .....545, 547
1703953 .....529, 531
1703980 .....541, 543
1703981 .....545, 547
1703984 .....537, 539
1704000 .....537, 539
1704260 337
1704277 .... 529, 531, 533, 535, 537, 539, 541, 543, 545, 547
1704412 .... 529, 531, 533, 535, 537, 539, 541, 543, 545, 547
1704460 337
1704468 .....529, 531
1704885 549
1704972 549
1705014 .....331, 333
1705305 ..... 363, 553, 555
1705325 .....413, 415
1705355 .....553, 555
1705358 549
1705374 .... 247, 255, 435, 437
1705375 .... 269, 273, 363, 555
1705387 .... 247, 255, 269, 273
1705460 ..... 265, 269, 273
1705461 265
1705489 .... 251, 259, 264, 265
1705822 .....533, 535
1705828 .....533, 535
1705921 .....533, 535
1705961 .....533, 535
1706061 549
1706062 549
1706064 549
1706098 549
1706385 .....331, 333
2030010 ..... 359, 361, 363
2060025 .....142, 154
2080040 ....259, 311, 313, 315, 323, 327, 439
2080044 ..... 469, 471
2080069 ..... 371, 373
2110806 ..... 398, 406
2111212 113
2131212 .....113, 398, 406
2151212 ..... 398, 406
2170212 ..... 398, 406
2170406 ..... 398, 406
2170808 ..... 398, 406
2180348 ..... 137, 147
2180832 .....163, 177, 195
2200221 113
2220124 81
2220237 ..... 398, 406
2220238 ..... 398, 406
2220273 81
2220313 ....137, 147, 163, 177, 195
2220315 ....142, 154, 170, 184, 202
2220365 ..... 398, 406
2220366 ..... 398, 406
2220371 ..... 398, 406
2220372 ..... 398, 406
2220373 ..... 398, 406
2220374 ..... 398, 406
2220376 219
2220377 ..... 398, 406
2220451 ....142, 154, 398, 406
2220466 ..... 398, 406
2220472 406
2220473 .....113, 398, 406
2220497 ..... 398, 406
2220500 ..... 398, 406
2220502 ..... 398, 406
2220518 ..... 398, 406
2220578 ....275, 277, 398, 406
2220582 ..... 398, 406
2220600 ..... 398, 406
2220603 ..... 398, 406
2220695 ..... 398, 406
2220700 ....275, 277, 398, 406
2220726 .....113, 398, 406
2220767 .....163, 177, 195
2220775 ..... 398, 406
2220810 219
2220881 ..... 381, 389
2220883 ..36, 40, 43, 383, 385
2220885 ..... 385, 389
2220886 389
2220906 ..... 398, 406
2220946 ..... 398, 406
2220947 ..... 398, 406
2220948 ..... 398, 406
2220998 113
2221063 ..... 275, 277
2221086 ..... 398, 406
2400060 .....231, 377, 499
2400066 493
2410014 ..... 331, 333
2420203 ..... 239, 244
2460048 .....263, 267
2460055 239
2540020 .....77, 79
2560136 337
2560187 ..... 91, 93, 95, 97
2580024 .....147, 177
2580062 154
2600281 .... 311, 313, 315, 323, 327
2720015 ..... 170, 184, 202
2720058 .....137, 147
2720340 ..... 170, 184, 202
2720398 .....142, 155
2720447 .....142, 155
2750532 .... 137, 147, 164, 178, 195
2820031 .... 239, 243, 247, 251, 255, 259, 263, 268, 271
2820035 231
2820247 .....523, 525
2840016 237
2860030 ..... 99, 101, 103, 105, 107, 109, 559
2900770 .. 35, 39, 40, 381, 389
2900792 385
2901443 563
2902065 .... 142, 155, 170, 184, 202, 229
2902212 357
2902217 .....359, 361
2902443 ..... 477, 479, 483
2902549 .....453, 455
2920028 .....337, 353
2920029 .....337, 353
2940045 97
2940074 .... 311, 313, 315, 323, 327, 559
2940173 ..... 91, 93, 95, 97
3251102 .....251, 259
3251242 .... 417, 419, 421, 423, 425, 427, 429, 431, 433
3251243 .... 239, 243, 247, 255, 269, 273, 529, 531, 537, 539
3252347 .....529, 531
3252764 ..... 264, 268, 271
3271601 .....84, 88
3271805 .....331, 333
3290405 .... 305, 377, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433, 453
3290505 ..... 75, 247, 255, 264, 268, 271
3290601 .... 91, 93, 95, 97, 131, 398, 406
3290605 .... 45, 47, 49, 51, 67, 69, 71, 77, 79, 88, 97, 137, 142, 147, 154, 163, 170, 177, 184, 195, 202, 233, 235, 239, 243, 247, 251, 255, 259, 264, 268, 271, 305, 439, 453

SECTION 11 - SPECIAL OPTIONS

329060 6.....317, 319, 321, 325, 329
329080 1.....275, 277
329080 5.....137, 142, 147, 154, 163, 170, 177, 184, 195, 202, 211, 213, 233, 235, 239, 243, 247, 251, 255, 264, 268, 271, 275, 277, 441, 461, 463, 465, 469, 471, 473, 475
329080 6.....301
329100 1.....170, 184, 202, 301
329100 5.....45, 47, 49, 51, 81, 84, 88, 91, 93, 95, 97, 115, 123, 137, 142, 147, 154, 163, 170, 177, 184, 195, 202, 239, 243, 291, 301, 303, 305, 461, 463, 465, 467, 469, 471, 473, 475
329120 1.....243, 247, 251, 255, 259, 264, 268, 271, 301
329120 5.....237, 283, 285, 287, 289, 301
329120 7.....113
329160 2.....117
329160 5.....283, 285
330015 1.....309, 317, 319, 321, 323, 325, 327, 329, 359, 361, 363
330022 0 69, 71, 142, 154, 171, 185
330035 3.....337
330039 6.....248, 256, 264, 269, 273
330040 8.....111
330043 0.....355, 373
331040 1.....170, 184
331060 1.....237
331100 1.....215, 217, 239, 243, 248, 256, 264, 269, 273
331100 5 77, 79, 113, 359, 361, 363
331140 1.....353
331140 5.....335, 369, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433, 441, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547
331150 1.....45, 47, 49, 51, 84, 88, 353
331150 5.....84, 351
331160 1. 84, 88, 337, 369
331160 5.....172, 186, 215, 217, 331, 333, 335, 359, 361, 363
331170 5.....239, 243
331200 5.....357
331220 5.....357
332100 1 69, 71, 142, 154, 171, 185
332220 1.....113
333121 1.... 211, 213, 239, 243, 247, 251, 255, 259, 264, 268, 271
333121 5.... 142, 154, 170, 184, 202
334095 6.....357
338043 4.....335
342156 5.....129
342253 2.... 137, 147, 163, 177, 195
342266 1.....351
342279 3.....289
342286 0.....291
342286 1.....291
342286 7.....291
343061 6.....337
343082 0.....237
345040 4.....237
346033 4.....357
347000 3.....338
352002 8.....239, 244
352003 5.....337
352005 4.... 142, 154, 172, 186, 202, 337
352007 1.....357
352007 2.... 309, 311, 313, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333
352018 9.....264
352019 2.....264
352019 8.... 309, 311, 313, 315, 317, 319, 321, 323, 325, 327, 329
357340 0..... 359, 361, 363
357364 2..... 359, 361, 363
357409 1.....353
357712 1..... 359, 361, 363
358015 8.....239
358027 6.....239
358031 7.... 247, 251, 255, 259, 264, 268, 271
358031 8.... 247, 255, 268, 271
358031 9..... 251, 259, 264
358032 0.... 243, 247, 251, 255, 264, 268, 271
360024 2.... 139, 151, 167, 181, 199, 219
360039 5.....219
374006 7 .69, 71, 142, 154
374008 0.... 240, 243, 493, 559
374008 6.....519, 559
374014 0..... 142, 154, 558
376013 3.....287, 289
376017 0.....129
379001 2..... 49, 51, 337
379004 5.... 139, 151, 167, 181, 199
379015 2.....151, 181
382000 1.... 529, 531, 533, 535, 537, 539, 541, 543, 545, 547
382002 0.... 311, 313, 315, 323, 327
384114 3.....137, 147, 163, 177, 195, 287, 291, 301
384120 3.....283, 285, 289
384125 8.....283, 285
384134 0.....461, 463, 465, 467, 469, 471, 473, 475
390005 4.....331, 333
390026 7.....248, 256
390030 0.....248, 256
390034 9..... 337
391040 8.....170, 184
391060 6.....247, 255, 268, 271, 435, 437
391061 0.....237, 411
391080 4.....99, 101, 103, 105, 107, 109
391101 0..... 77, 79
393100 8..... 113
393140 8..... 355
393151 2.....170, 184, 202
393162 0.....139, 151, 167, 181, 199
393162 8.....243, 255, 271
396038 9..... 115
396040 7.....142, 154
396042 2.....247, 255, 268, 271, 411, 435, 437
401040 5.....439, 453
401061 8.....317, 319, 321, 325, 329
403150 5..... 367
403151 6..... 369
403191 4.....170, 184, 202
403201 4.....243, 255, 271
403201 5.....247, 251, 264, 268
406080 2.....240, 243, 247, 251, 255, 259, 264, 268, 271
406080 5.....142, 155, 170, 184, 202
407089 7.....287, 289
407089 8.....287, 289
407100 9..... 117
410002 6.....398, 406
416018 2..... 84
424001 8.....398, 406, 435, 437
424003 2..... 75
424003 3.....355, 367, 369
424009 9.....47, 49, 51, 77, 79, 137, 142, 147, 154, 163, 170, 177, 184, 202, 231, 240, 243, 247, 251, 255, 259, 264, 268, 271, 353, 359, 361
424014 9..... 357
436005 7..... 353
436007 0.....248, 256, 264, 269, 273, 558
436027 4.....103, 109, 559
436032 8.....49, 51, 559
436033 6.....240, 243, 247, 251, 255, 259, 264, 268, 271, 559
436038 7.... 101, 103, 107, 109, 337, 353, 559
436040 7.....337, 559
436046 9..... 99, 101, 103, 105, 107, 109, 559
436047 5.... 53, 55, 57, 59, 337, 559
436047 6.... 53, 55, 57, 59, 337, 558
436051 7.....113
436054 2..... 239, 244, 558
442001 4.....357
442003 7..... 359, 361, 363
442005 1.....549
442006 2.....351
442006 6.....357
442006 8.....353
446001 9.....483
446002 7.....239, 244
446004 2..... 480, 483, 513
446004 3..... 231, 479, 483
446004 9.....353
446007 1.... 247, 255, 268, 271, 347, 411
446013 4.....240, 244
446013 8.....240, 244
446018 3.....499, 513
446019 0.....239, 244
446020 5.....411
446022 5.... 264, 268, 271, 491, 499
446022 6..... 344, 347, 514
446022 7.....499
446023 4..... 75, 337, 353
446024 7.....479, 483
446025 9.... 377, 489, 499, 514
446026 0.... 377, 489, 499, 514
446026 5.....344
446026 7.....499
446026 8..... 239, 244, 491
446031 3..... 477, 514, 517
446031 5.....411
446032 1.....239, 244
446034 6.... 247, 255, 268, 271, 411
446038 4.....433
446041 8.....489, 499
446041 9.....489, 499
446042 4.....514
446042 5.... 248, 256, 264, 269, 273, 353, 435, 437
446042 6.... 248, 256, 264, 269, 273
446042 8.....337
446043 4.....499
446045 8.... 479, 484, 497, 513, 514, 517
446046 0.....497, 517
446046 4..... 75, 299, 305, 347, 377, 443, 449, 451, 487, 493, 495, 499, 513, 514, 519
446046 5.... 131, 299, 305, 377, 443, 445, 447, 449, 451, 477, 479,

480, 483, 491, 495, 499, 513, 514, 517
4460466 45, 49, 367, 371, 377, 443, 445, 447, 449, 477, 479, 480, 483, 493, 495, 499, 513, 514, 517, 519, 521
4460467 563
4460470 ....45, 47, 49, 51, 337
4460471 ....45, 47, 49, 51, 337
4460473 ..... 445, 447
4460475 497
4460488 337
4460496 .....45, 47, 49, 51
4460497 .....45, 47, 49, 51
4460508 .....367, 499, 514
4460509 ..... 445, 447
4460510 563
4460518 443
4460536 .....67, 299, 305, 373, 449, 451, 499
4460539 ....299, 305, 449, 451, 483, 499, 517
4460612 ..... 435, 437
4460662 ....425, 427, 429, 433
4460702 514
4460703 .....479, 483, 514
4460705 ..... 239, 244
4460708 499
4460722 231
4460742 514
4460743 ..... 514, 517
4460746 ..... 479, 483
4460748 .....479, 484, 513
4460761 499
4460806 ....421, 423, 425, 427
4460807 491
4460808 491
4460865 ..... 445, 447
4460866 ..... 499, 514
4460871 ....131, 341, 489, 499, 513, 517
4460872 517
4460873 ..... 499, 513
4460874 ..... 499, 513
4460875 ..... 499, 517
4460876 489
4460878 513
4460879 ..... 377, 499
4460884 ....377, 483, 495, 513
4460887 .....377, 499, 513
4460891 ....131, 443, 480, 487, 513, 517
4460894 ....477, 480, 483, 499, 513, 517
4460897 ...75, 77, 79, 487
4460899 ....451, 495, 514, 519, 521
4460905 ....489, 499, 513, 517
4460906 493
4460910 525
4460911 521
4460928 443
4460930 45, 49, 449, 477, 480, 483, 513
4460931 .45, 49, 371, 513
4460932 .....377, 487
4460933 ..... 443, 499, 514
4460941 .....487, 521
4460942 .... 367, 480, 483, 487
4460943 .. 67, 77, 79, 371, 373, 521
4460944 ..... 479, 480, 483
4460956 .....455, 457
4460957 .....455, 457
4460958 437
4460961 .....239, 244
4460962 361
4460963 .....269, 273
4460967 513
4460968 .....413, 417
4460970 499
4460979 497
4461005 477
4461008 ..... 477, 479, 483
4461052 477
4461054 .....480, 483
4461070 .....443, 479
4461071 ..... 477, 479, 483
4461072 ..... 477, 479, 483
4461073 ..... 477, 479, 483
4461074 ..... 477, 479, 483
4461077 .....519, 521
4461095 ..... 443, 477, 479
4461157 497
4461196 503
4461198 .....413, 503
4461199 505
4461201 .....417, 505
4461205 .....507, 509
4461244 .....425, 507
4461245 .....427, 509
4461246 .....429, 511
4461249 511
4530028 ..... 359, 361, 365
4640452 389
4640509 385
4640744 219
4640751 ..... 170, 184, 202
4641390 383
4710400 .....170, 184
4711000 .... 45, 47, 49, 51, 77, 79, 113, 215, 217, 248, 256, 264, 269, 273
4711400 .... 91, 93, 95, 97, 309, 317, 319, 321, 323, 325, 327, 329, 355, 369, 371, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433
4711500 .. 69, 71, 84, 137, 147, 163, 170, 177, 184, 195, 202
4711600 84, 88, 215, 217, 247, 251, 255, 259, 264, 268, 271, 335, 338
4711700 ..... 240, 243
4711800 ..... 331, 333
4712000 357
4712200 357
4740362 335
4740439 291
4750600 237
4751000 ....123, 240, 243, 359, 361, 363
4751400 ....335, 337, 353, 359, 361, 363, 373, 375, 441, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547
4751500 ....240, 243, 351, 353
4751600 ....172, 186, 359, 361, 363
4751800 .....331, 333, 353
4760600 411
4761000 69, 71, 142, 154, 171, 185
4761400 375
4770600 237
4811400 ....305, 377, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433
4811600 .....75, 247, 255, 264, 268, 271
4811700 ....45, 47, 49, 51, 67, 69, 71, 77, 79, 91, 93, 95, 97, 131, 137, 142, 147, 154, 163, 170, 177, 184, 195, 202, 240, 243, 247, 251, 255, 259, 264, 268, 271, 317, 319, 321, 325, 329, 398, 406, 439, 453, 469, 471, 473, 475
4811702 ....172, 186, 196, 202, 233, 235, 439, 453
4811900 .....88, 142, 154, 163, 170, 177, 184, 195, 202, 211, 213, 240, 243, 247, 251, 255, 264, 268, 271, 275, 277, 301, 441, 461, 463, 465, 469, 471, 473, 475
4811902 .....84, 137, 147, 163, 177, 195, 204, 275, 277
4812000 ....31, 33, 45, 47, 49, 51, 69, 71, 81, 84, 88, 91, 93, 95, 97, 115, 123, 137, 142, 147, 154, 163, 170, 177, 184, 195, 202, 240, 243, 256, 259, 272, 287, 289, 301, 303, 305, 461, 463, 465, 467, 469, 471, 473, 475
4812002 ....31, 33, 45, 47, 49, 51, 84, 88, 123, 204
4812100 .... 113, 137, 147, 163, 170, 177, 184, 195, 202, 237, 247, 251, 264, 268, 287, 289, 301
4812200 .... 142, 154, 170, 184, 202, 211, 213, 240, 243, 247, 251, 255, 259, 264, 268, 271
4844816 291
4844817 291
4845582 351
4846627 ..... 359, 361, 363
4846673 353
4871700 69, 71, 247, 251, 255, 259, 264, 268, 271
4891600 .... 139, 151, 167, 181, 199, 301
4891800 .... 139, 151, 167, 181, 199
4892000 125
4892600001 301
4922641 .... 240, 244, 248, 252, 256, 260, 264, 268, 272
4922802 467
4922803 475
4922925 ..... 264, 268, 271
4923451 .....143, 154
4933218 353
5240800 .... 137, 147, 163, 177, 195
5241200 .... 142, 154, 170, 184, 202, 211, 213, 240, 243, 247, 251, 255, 259, 264, 268, 272, 301
5241600 117
5242000 117
5250808 .... 248, 251, 256, 264, 268, 272
5250810 .... 172, 186, 248, 251, 256, 259, 264, 268, 272
5251008 .... 287, 289, 299, 301, 305
5251009 .....287, 289
5251011 .....287, 289
5251012 ..... 61, 63, 65, 88
5251014 ..... 31, 33, 84
5251016 .....297, 301
5251215 .... 137, 147, 163, 177, 195, 204
5260800 .... 248, 251, 256, 259, 264, 268, 272
5261000 ... 61, 63, 65, 297
5261018 ..... 91, 93, 465
5261200 .... 137, 147, 163, 177, 195, 204
70000342 .....293, 295
70000345 .....158, 207
700004508 189
70000619 ... 263, 267, 271
70000787 158
70000793 229
70000800 157
70000851 158

SECTION 11 - SPECIAL OPTIONS

70000863....263, 267, 272
70000912..... 157
70000913..... 157
70000914..... 157
70000915..... 157
70000916..... 157
70000917..... 157
70000918..... 157
70000919..... 158
70000931..... 158
70001002..... 157
70001100....263, 267, 272
70001181..... 157
70001384....263, 267, 272
70001423..... 157
70001435..... 158
70001498..... 158
70001654..... 157
70001655..... 157
70001696.....263, 267
70001697.....293, 295
70001844..... 158
70001850..... 157
70001866..... 158
70001868..... 158
70001870....157, 190, 208
70001871..... 158
70001872..... 158
70001953.....263, 267
70001966...248, 252, 256, 259, 263, 267, 272
70001973....263, 267, 272
70001974....263, 267, 272
70002057..... 120
70002063..... 43
70002088.....263, 267
70002234..... 158
70002291..... 272
70002297....263, 267, 272
70002371..... 387
70002373.....381, 387
70002386.36, 40, 43, 383, 558
70002412..... 389
70002460....263, 267, 272
70002718.....157, 189
70002838..... 123
70002902..... 347
70002903..... 347
70002904..... 347
70002905..... 347
70002974.....35, 39
70003023.....35, 39
70003024.....35, 39
70003408.....35, 39
70003454..... 113
70003463.....157, 558
70003464..... 157
70003468..... 158
70003469..... 158
70003472..... 157
70003473..... 157
70003475..... 157
70003479..... 157
70003480..... 157
70003481..... 157
70003612..... 73
70003614..... 123
70003631... 263, 267, 272
70003708.. 248, 251, 256, 259, 263, 267, 272
70003709.. 248, 251, 256, 259, 263, 267, 272
70003783.. 143, 155, 171, 185, 203, 558
70003788..... 36, 40, 383, 558
70003931..... 158
70003932..... 158
70003977.....35, 39
70004000..... 73
70004013..... 73
70004014..... 73
70004056..... 158
70004058.....158, 558
70004059..... 158
70004060..... 158
70004062..... 158
70004092.. 248, 252, 256, 259, 272
70004094..... 272
70004098... 248, 256, 272
70004099... 256, 259, 272
70004102..... 158
70004103..... 158
70004169.....263, 267
70004171.. 248, 252, 263, 267
70004231..... 383
70004267..... 73
70004268..... 157
70004269..... 157
70004270..... 158
70004281.....189, 207
70004282..... 189
70004469..... 120
70004481..... 120
70004482..... 120
70004494..... 120
70004504..... 207
70004508..... 208
70004676.. 248, 252, 256, 260
70004677..... 252
70004678.. 248, 252, 256, 260
70004679.. 248, 252, 256, 260
70004680.. 248, 252, 256, 260
70004681.....252, 260
70004682.. 248, 252, 256, 260, 559
70004683.....252, 260
70004684..... 248
70004685.....248, 256
70004686..... 260
70004687..... 256
70004752..... 343
70004753..... 343
70004754..... 343
70004755..... 343
70004756..... 343
70004757..... 343
70004758..... 343
70004759..... 343
70004760..... 343
70004761..... 343
70004762..... 343
70004763..... 343
70004764..... 343
70004765..... 343
70004766..... 343
70004767..... 343
70004768..... 343
70004769..... 343
70004770..... 343
70004771..... 343
70004772..... 343
70004773..... 343
70004774..... 344
70004775..... 344
70004794..... 123
70004883..... 43
70004884..... 43
70004890.....221, 225
70004892...221, 222, 225, 226
70004893.....221, 225
70004894.....221, 225
70004896..... 222
70004899.....223, 226
70004901.....222, 226
70004905..... 226
70004906.....222, 226
70004907..... 226
70004909.....222, 226
70004910..... 226
70004911.....222, 226
70005065..... 73
70005066..... 73
70005067..... 73
70005068..... 73
70005069.....35, 39
70005071.....35, 39
70005072.....35, 39
70005073.....35, 39
70005074.....35, 39
70005075.....35, 39
70005076.....35, 39
70005077.....35, 39
70005078.....35, 39
70005079.....35, 39
70005080.....35, 39
70005081.....35, 39
70005082.....35, 39
70005084.....35, 39
70005085.....35, 39
70005086.....35, 39
70005087.....35, 39
70005088.....35, 39
70005089.....35, 39
70005090.....35, 39
70005091.....35, 40
70005092.....35, 39
70005093..... 39
70005108.....35, 39
70005109.....35, 40
70005139..... 73
70005140..... 387
70005141..... 387
70005142.....381, 387
70005143.....381, 387
70005144.....381, 387
70005145.....381, 387
70005146.....387
70005147.....381
70005148.....381
70005149.....381
70005171.....189
70005172.....190, 208
70005173.....189
70005177.....189
70005182.....189
70005183.....189
70005184.....189, 207
70005217.....35, 39
70005218.....35, 39
70005219..... 36, 40, 558
70005244.....113
70005245.....221, 225
70005246.....221, 225
70005247.....221, 225
70005248.....221, 225
70005249.....221, 225
70005250.....221, 225
70005251.....221, 225
70005252.....221, 225
70005253.....221, 225
70005254... 221, 225, 559
70005255.....221, 225
70005257.....221, 225
70005258.....221, 225
70005259.....221, 226
70005260.....222, 226
70005261.....222
70005262.....222, 226
70005263.....222, 226
70005264.....222
70005265.....222
70005266.....222, 226
70005267.....222, 226
70005268.....222, 226
70005269.....222, 226
70005270.....223, 226
70005271.....225
70005275... 15, 17, 21, 25
70005276..... 15, 17, 21
70005278..... 15, 17, 21
70005280..... 15, 17, 21
70005281..... 15, 17, 21
70005282..... 15, 17, 21
70005283..... 15, 17, 21
70005284..... 15, 17, 21
70005285..... 15, 17, 21
70005286..... 15, 17, 21
70005288..... 15, 17, 21
70005289..... 15, 17, 21
70005291..... 15, 17, 21
70005317.....120
70005318.....120
70005322.....113
70005343.....25
70005344.....25
70005345.....25
70005346.....25
70005347.....25
70005348.....25

70005349 25
70005350 25
70005351 25
70005352 25
70005353 25
70005354 25
70005355 25
70005356 ..... 25, 27
70005357 27
70005358 27
70005359 27
70005360 27
70005361 27
70005362 27
70005363 27
70005364 27
70005365 27
70005366 27
70005367 23
70005368 23
70005369 23
70005370 23
70005371 23
70005504 207
70005724 ..... 36, 40
70005931 ..... 189, 207
70005941 ..... 190, 208
70005942 ..... 189, 208
70006093 272
70006094 272
70006095 ..... 272, 558
70006096 272
70006097 272
70006104 383
70006105 383
70006144 ..... 189, 207
70006255 303
70006270 303
70006344 389
70006552 248
70006553 ..... 248, 559
70006580 293
70006636 383
70006649 385
70006650 385
70006652 189
70006702 383
70006703 383
70006704 383
70006705 383
70006706 383
70006734 385
70006735 385
70006736 385
70006817 389
70006990 120
70006994 120
70006997 120
70006998 120
70006999 120
70007001 120
70007002 120
70007003 120
70007004 120
70007006 120
70007022 120
70007023 120
70007024 120
70007025 120
70007026 120
70007027 120
70007028 120
70007029 120
70007030 120
70007031 120
70007032 120
70007046 120
70007062 389
70007063 389
70007064 389
70007065 389
70007066 389
70007067 389
70007068 389
70007069 389
70007070 389
70007071 389
70007072 389
70007325 189
70007326 190
70007354 189
70007406 ..... 15, 17, 21
70007409 ..... 15, 17, 21
70007471 ..... 15, 17, 21
70007472 ..... 15, 17, 21
70007603 .....189, 207
70007784 207
70009002 148
70009004 147
70009005 147
70010383 ..... 31, 33, 558
7001481 .....222, 226
70022564 ... 381, 383, 387
70023369 ... 381, 383, 387
70023370 381
70023592 ... 171, 185, 558
70023593 ... 171, 185, 558
70024494 .....190, 208
70024504 .....189, 207
70024507 189
70024513 .....189, 207
70024904 .....190, 208
70024905 189
70024906 189
70024913 208
70024915 189
70024916 207
70024918 207
70024925 .....189, 208
70024961 .....189, 207
70025082 157
70025084 .....157, 158
70025086 158
70025088 157
70025091 157
70025099 207
70025121 158
70025123 .....157, 158
70025130 207
70025131 158
70025135 189
70025139 157
70025142 207
70025153 .....207, 558
70025160 207
70025161 ..... 208, 558
70025164 ..... 189, 207
70025168 207
70025200 189
70025210 189
70025231 189
70025239 189
70025667 157
70025693 158
70025694 158
70026210 ..... 189, 207
70027405 207
7002821 563
7002822 563
7002823 563
7002828 563
70028540 189
70029015 207
70029402 207
70029403 207
70029404 207
70029451 189
70029512 ..... 207, 558
70029797 207
70030360 189
70030381 189
70031095 190
70031136 189
70031143 207
70031144 207
70031145 189
7003974 341
7004275 563
7004276 563
70050795 383
7007419 ..... 221, 225
7007420 .... 221, 222, 225, 226
7007489 219
7010103 219
7010104 219
7010105 219
7010543 43
7012513 ..... 239, 244
7012514 ..... 239, 244
7012518 389
7012558 239
7012941 43
7012967 43
7012987 219
7012988 219
7012998 383
7016322 237
7016331 .... 157, 190, 208, 558
7016654 563
7017142 ..... 293, 295
7017150 295
7017159 ..... 293, 295
7017162 ..... 293, 295
7017163 ..... 293, 295
7017164 ..... 293, 295
7017172 ..... 293, 295
7017192 ..... 293, 295
7017195 ..... 293, 295
7017410 43
7017467 383
7017496 383
7019680 .....239, 244
7020023 .....157, 558
7020026 157
7020108 .....239, 244
7020109 .....239, 244
7020110 .....239, 244
7020111 .....239, 244
7020175 .... 53, 55, 57, 59, 337
7020176 .... 53, 55, 57, 59, 337, 558
7020190 .....239, 244
7020403 157
7020430 157
7020460 157
7020465 ..... 157, 190, 208
7020468 157
7020471 158
7020479 158
7020492 .....157, 158
7021229 222
7021234 .....222, 226
7021237 221
7021238 .....221, 225
7021239 .....221, 225
7021240 221
7021248 .....221, 225
7021249 .....221, 225
7021257 .....221, 225
7021259 .....221, 225
7021262 .....221, 225
7021268 .....222, 226
7021275 222
7021276 .....222, 226
7021277 .....222, 226
7021278 .....222, 226
7021281 .....222, 226
7021285 222
7021290 .....222, 226
7022321 .....221, 225
7022322 .....221, 225
7022331 .....221, 225
7022332 .....221, 225
7022333 .....221, 225
7022336 .....221, 225
7022338 .....221, 225
7022340 .....221, 225
7022341 .....221, 225
7022343 221
7022346 .....222, 226
7022347 .....222, 226
7022351 222
7022355 225
7022357 225
7022358 226
7022390 ..... 35, 39, 383
7022399 .....35, 39
7022832 341
7022833 341
7022834 341
7022835 341
7022836 341
7022837 341
7022838 341
7022839 341

SECTION 11 - SPECIAL OPTIONS

7023900 ..... 35, 39
7023936 ..... 35, 39
7023999 221
7024441 123
7024462 365
7024463 365
7024467 365
7024469 ..... 365, 559
7024470 365
7024471 365
7024472 365
7024473 365
7024474 365
7024475 365
7024478 365
7024485 ..... 263, 267, 558
7024488 ..... 263, 267, 271
7024489 ..... 263, 267, 271
7024565 158
7024579 ..... 157, 190
7024598 237
7024800 ..... 221, 225
7024806 222
7026188 ..... 263, 267
7026199 ..... 239, 243
7026330 73
7026597 ..... 263, 267, 272
7026626 ..... 263, 267, 272
7027236 157
7027773 365
7027774 365
7027775 365
7027776 365
7027777 365
7027778 365
7027779 365
7027780 365
7027790 158
7027791 158
7027792 158
7027796 158
7027799 ..... 263, 267, 272
7027887 ..... 239, 244
7027903 158
77363233 491
80484084 ..... 479, 483
80633030 ..... 398, 406
80963067 513
80983191 ..... 479, 558
8220045 ..... 493, 514
8220051 487
8220097 513
8220098 513
8220115 479
8220164 ..... 479, 483
8229242 ..... 479, 513, 558
8229244 ..... 513, 559
8229245 ..... 493, 559
8229249 ..... 377, 558
8305401 ..... 142, 154, 170, 184, 203
8307109 ..... 142, 154, 170, 184, 203
8310129 357
8310548 ..... 142, 154, 171, 184, 203
8405006 ..... 163, 177, 195, 215, 217
8405007 ..... 171, 185, 203
8405009 ..... 137, 147, 171, 185, 203
8405104 ..... 171, 185, 203
8405202 ..... 171, 185, 203
8405204 ..... 171, 185, 203
8406101 ..... 163, 177, 195
8406109 ..... 143, 155, 171, 185, 203
8406110 ..... 172, 186, 203, 305, 461, 463, 469, 471
8406201 ..... 172, 186, 204
8410013 ..... 163, 177
8430007 195
8750014 ..... 137, 147, 163, 177
8750031 ..... 137, 147, 163, 177
8769128 ..... 275, 277
8769139 ..... 275, 277
88411013 441
88521205 ..... 69, 71
90200755 ..... 84, 88
91164057 ..... 36, 40
91164059 ..... 36, 40
91164079 ..... 36, 40
91203039 301
91401281 69



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