Illustrated Parts Manual

Model
400S
460SJ

PVC
2401

P/N
31223007

June 3, 2024 - Rev B

ANSI

CE

UK CA

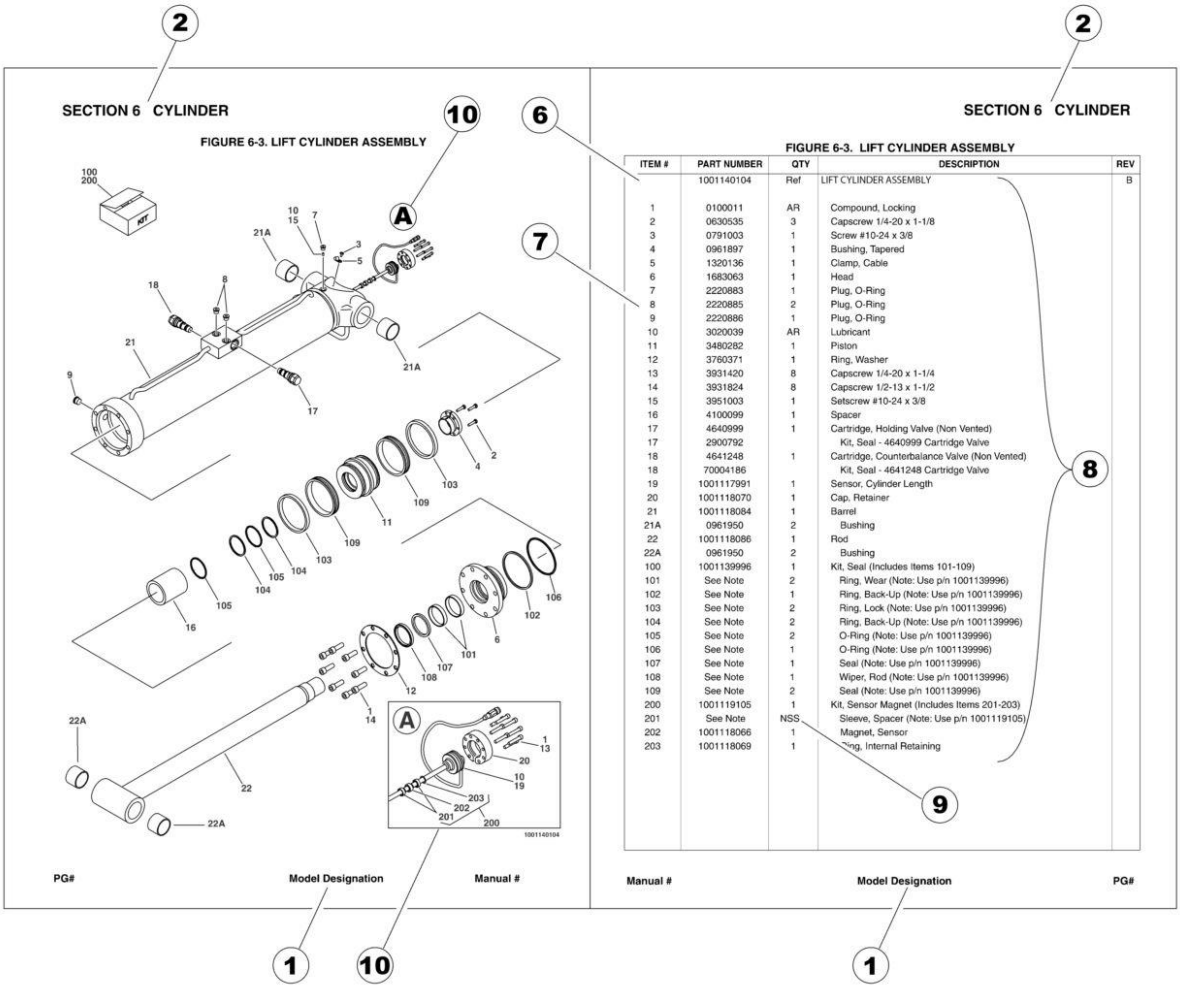
AS/NZS

An Oshkosh Corporation Company

REVISION LOG

January 1, 2024 - A - Original Issue of Manual (Edited to B/M 1001245658 Revision AE)
June 3, 2024 - B - Revised Manual (Edited to B/M 1001245658 Revision AF)

GENERAL INFORMATION



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

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

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

3) TABLE OF CONTENTS (NOT SHOWN)
A table of contents is found toward the beginning of the manual. Figure number, description and page number are provided for quick reference to the page containing the related information.

4) RECOMMENDED SPARE PARTS (NOT SHOWN)
The Recommended Spare Parts List, located near the end of the manual, reference most frequently used maintenance parts.

5) PART NUMBER INDEX (NOT SHOWN)
A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

GENERAL INFORMATION

6) NON-SERVICED PARTS

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

7) PARTS LIST ITEM NUMBERS

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

8) INDENTED PARTS DESCRIPTION

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

9) ABBREVIATION AND SYMBOLS

AC..... Alternating Current
ADE.....Advanced Design Electronics
AG.....Agricultural
ANSI.....American National Standards Institute
AR.....As Required
ASSY..... Assembly
AUS.....Australia
AUX.....Auxiliary
AWG.....American Wire Gauge
B/M.....Bill of Material
CAC.....Charge Air Cooler
CE.....European Conformity
CCW.....Counter Clockwise
CM.....Centimeter
CW.....Clockwise
CSA.....Canadian Standards Association
CYL.....Cylinder
DIA.....Diameter
DC.....Direct Current
DEF.....Diesel Exhaust Fliud
EMS..... Emergency Stop
ENG.....Engine
FT(ft) .....Feet
GA(Ga).....Gauge
HRC.....High Rated Countries
HVAC.....Heating, Ventilating, and Air Conditioning
HYD.....Hydraulic
Hz.....Hertz
ID.....Inside Diameter
IN.....inches
ISO.....International Organization for Standards
JIC.....Joint Industry Council
KG.....Kilogram
L.....Liter
LB(LBS).....Pounds
LCD..... Liquid Crystal Display
LED..... .Light Emitting Diodes
LH.....Left Hand
LRC.....Low Rated Countries
LSS.....Load Sensing System
M(m).....Metric/Meter
MM(mm).....Milimeter
mA.....Miliamps
NLA.....No Longer Available
NPT..... National Pipe Threads
NSS.....Not Sold Separately
OD.....Outside Diameter
ORB..... O-Ring Boss
ORFS.....O-Ring Face Seal
OZ (oz).....Ounces
PG.....Page
PN.....Part Number
QT(qt.). .....Quarts
QTY.....Quantity
REF.....Reference
REV.....Revision Level
RH.....Right Hand
SAE.....Society of Automotive Engineers
SN..... ..Serial Number
SPEC(S).....Specifications
T/T.....Turntable
UGM.....Universal Ground Module
V.....Volts
W.....Watts
#.....Number

10) ILLUSTRATION REFERANCE LETTERS

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

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

TABLE OF CONTENTS

SECTION 1 - FRAME 15

FIGURE 1-1. AXLE INSTALLATION 16
FIGURE 1-2. STEER INSTALLATION WITHOUT TOW PACKAGE 18
FIGURE 1-3. STEER INSTALLATION WITH TOW PACKAGE 20
FIGURE 1-4. WHEEL DRIVE INSTALLATION (2WD) 22
FIGURE 1-5. WHEEL DRIVE INSTALLATION (4WD) 24
FIGURE 1-6. DRIVE HUB AND BRAKE ASSEMBLY - REAR 26
FIGURE 1-7. DRIVE HUB ASSEMBLY - FRONT 30
FIGURE 1-8. HUB - SPINDLE ASSEMBLY (2WD) 32
FIGURE 1-9. DRIVE MOTOR ASSEMBLY (2WD) 34
FIGURE 1-10. DRIVE MOTOR ASSEMBLY (4WD) 36
FIGURE 1-11. TRACTION VALVE ASSEMBLY (2WD) 38
FIGURE 1-12. TRACTION VALVE ASSEMBLY (4WD) 40
FIGURE 1-13. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED (ALL SPECS) 42
FIGURE 1-14. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM-FILLED NON-MARKING (ALL SPECS) 44
FIGURE 1-15. TIRE AND WHEEL INSTALLATION - 14 X 17.5 FOAM FILLED (ALL SPECS) 46
FIGURE 1-16. TIRE AND WHEEL INSTALLATION - 14 X 17.5 FOAM FILLED NON-MARKING (ALL SPECS) 48
FIGURE 1-17. TIRE AND WHEEL INSTALLATION - 33/16LL X 16.1 FOAM FILLED TURF (ANSI AND ANSI EXPORT SPECS) 50
FIGURE 1-18. TIRE AND WHEEL INSTALLATION - 33 X 12 FOAM FILLED (ALL SPECS) 52
FIGURE 1-19. TOW BAR INSTALLATION 54
FIGURE 1-20. TOW BAR ASSEMBLY 56
FIGURE 1-21. FRAME SHIELD INSTALLATION - WITHOUT TOW BAR 58
FIGURE 1-22. FRAME SHIELD INSTALLATION - WITH TOW BAR 60
FIGURE 1-23. LP TANK BRACKETS INSTALLATION 62

SECTION 2 - TURNTABLE 65

FIGURE 2-1. CONTROL VALVES INSTALLATION (400S) 66
FIGURE 2-2. CONTROL VALVES INSTALLATION (460SJ) 68
FIGURE 2-3. CONTROL VALVES INSTALLATION - 1K45FT (460SJ) 70
FIGURE 2-4. MAIN VALVE ASSEMBLY (400S) 72
FIGURE 2-5. MAIN VALVE ASSEMBLY (460SJ) 76
FIGURE 2-6. MAIN VALVE ASSEMBLY - 1K45FT (460SJ) 80
FIGURE 2-7. AXLE VALVE ASSEMBLY 84
FIGURE 2-8. AUXILIARY PUMP AND BATTERY WITH DISCONNECT SWITCH INSTALLATION 86
FIGURE 2-9. AUXILIARY PUMP AND BATTERY INSTALLATION 88
FIGURE 2-10. AUXILIARY PUMP ASSEMBLY 90
FIGURE 2-11. ROTARY COUPLING INSTALLATION 92
FIGURE 2-12. SWING DRIVE INSTALLATION 94
FIGURE 2-13. SWING HUB/MOTOR ASSEMBLY 96
FIGURE 2-14. TURNTABLE BEARING INSTALLATION 100
FIGURE 2-15. BEARING LUBE INSTALLATION 102
FIGURE 2-16. TURNTABLE LOCK INSTALLATION 104
FIGURE 2-17. TURNTABLE COVERS INSTALLATION 106
FIGURE 2-18. TANKS INSTALLATION - DIESEL MACHINES (WITH 17.3 GAL HYDRAULIC TANK) 108

TABLE OF CONTENTS

FIGURE 2-19. TANKS INSTALLATION - DIESEL MACHINES (WITH 36 GAL HYDRAULIC TANK) 110
FIGURE 2-20. TANKS INSTALLATION - GAS MACHINES (WITH 17.3 GAL HYDRAULIC TANK) 112
FIGURE 2-21. TANKS INSTALLATION - GAS MACHINES (WITH 36 GAL HYDRAULIC TANK) 114
FIGURE 2-22. HYDRAULIC TANK ASSEMBLY - 17.3 GALLON 116
FIGURE 2-23. HYDRAULIC TANK ASSEMBLY - 36 GALLON 118
FIGURE 2-24. ELECTRICAL INSTALLATION (400S) 120
FIGURE 2-25. ELECTRICAL INSTALLATION (460SJ) 122
FIGURE 2-26. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) (460SJ) 124
FIGURE 2-27. ELECTRICAL INSTALLATION - 1K45FT (460SJ) 126
FIGURE 2-28. ELECTRICAL PANEL ASSEMBLY 128
FIGURE 2-29. GROUND CONTROL MOUNTING (400S) 130
FIGURE 2-30. GROUND CONTROL MOUNTING - 1K45FT (460SJ) 132
FIGURE 2-31. GROUND CONTROL MOUNTING - DEUTZ (STAGE V) (CE & UK CA SPECS) (460SJ) 134
FIGURE 2-32. GROUND CONTROL ASSEMBLY (400S) 136
FIGURE 2-33. GROUND CONTROL ASSEMBLY - 1K45FT (460SJ) 138
FIGURE 2-34. GROUND CONTROL ASSEMBLY - DEUTZ (STAGE V) (CE & UK CA SPECS) (460SJ) 140
FIGURE 2-35. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS) (400S) 142
FIGURE 2-36. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - 1K45FT (ALL SPECS EXCEPT CE & UK CA SPEC) (460SJ) 144
FIGURE 2-37. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - (CE(LRC) & UK CA SPEC) (460SJ) 146
FIGURE 2-38. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - (STAGE V) (CE & UK CA SPECS) (460SJ) 148
FIGURE 2-39. LIGHT PANEL INSTALLATION 150
FIGURE 2-40. LIGHT PANEL INSTALLATION - 1K45FT (460SJ) 152
FIGURE 2-41. BEACON LIGHT INSTALLATION - AMBER 154
FIGURE 2-42. BEACON LIGHT INSTALLATION - BLUE 156
FIGURE 2-43. BEACON LIGHT INSTALLATION - RED 158
FIGURE 2-44. WHITE NOISE ALARM INSTALLATION (AMBIENT) 160
FIGURE 2-45. WHITE NOISE ALARM INSTALLATION (CONSTANT) 162
FIGURE 2-46. HOOD INSTALLATION - ABS (DEUTZ ENGINES) 164
FIGURE 2-47. HOOD INSTALLATION - ABS (KUBOTA ENGINES) 168
FIGURE 2-48. HOOD INSTALLATION - STEEL 172
FIGURE 2-49. ABS HOOD ASSEMBLY - ENGINE SIDE 176
FIGURE 2-50. ABS HOOD ASSEMBLY - TANK SIDE 178
FIGURE 2-51. STEEL HOOD ASSEMBLY - ENGINE SIDE 180
FIGURE 2-52. STEEL HOOD ASSEMBLY - TANK SIDE 182
FIGURE 2-53. SOUND REDUCTION INSTALLATION - KUBOTA ENGINE MACHINES WITH STEEL HOODS 184
FIGURE 2-54. HOOD PLUGS INSTALLATION (HOODS WITHOUT STROBE LIGHT) 186

SECTION 3 - ENGINE 189

FIGURE 3-1. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI EXPORT(LRC), AUSTRALIAN, CE(LRC), CHINA & UK CA SPECS) 190
FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITHOUT ARCTIC PACKAGE) (AUSTRALIAN AND CHINA SPECS) 196
FIGURE 3-3. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (AUSTRALIAN AND CHINA SPECS) 198

FIGURE 3-4. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT(LRC), AUSTRALIAN, CE(LRC), CHINA & UK CA SPECS) 202
FIGURE 3-5. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITH ARCTIC PACKAGE) (ANSI EXPORT AND CHINA SPECS) 208
FIGURE 3-6. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT AND CHINA SPECS) 210
FIGURE 3-7. ENGINE COMPONENTS - DEUTZ D2011 214
FIGURE 3-8. ENGINE INSTALLATION - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT (HRC), CSA AND JAPANESE SPECS) 218
FIGURE 3-9. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS) 222
FIGURE 3-10. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS) 224
FIGURE 3-11. ENGINE INSTALLATION - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS) 230
FIGURE 3-12. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS) 234
FIGURE 3-13. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS) 236
FIGURE 3-14. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS) 242
FIGURE 3-15. ENGINE COMPONENTS - DEUTZ D2.9L4 ERM5 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS) 246
FIGURE 3-16. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS) 250
FIGURE 3-17. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS) 256
FIGURE 3-18. ENGINE ASSEMBLY – DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS) 258
FIGURE 3-19. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS) 264
FIGURE 3-20. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE 268
FIGURE 3-21. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE) 270
FIGURE 3-22. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE) (STAGE V) 272
FIGURE 3-23. PUMP COUPLING KIT (DEUTZ ENGINES) 274
FIGURE 3-24. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (CHINA IV) 276
FIGURE 3-25. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (CHINA IV) 280
FIGURE 3-26. ENGINE ASSEMBLY - DEUTZ D2.9L4 (CHINA IV) 282
FIGURE 3-27. ENGINE COMPONENTS - DEUTZ D2.9L4 (CHINA IV) 288
FIGURE 3-28. QUICKFIT OIL DRAIN INSTALLATION (DEUTZ D2.9L4 ENGINES) 290
FIGURE 3-29. QUICKFIT OIL DRAIN INSTALLATION (KUBOTA 2.5L DF) 292
FIGURE 3-30. ENGINE INSTALLATION - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE) 294
FIGURE 3-31. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE) 300
FIGURE 3-32. ENGINE ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE) 302
FIGURE 3-33. ENGINE INSTALLATION - KUBOTA ENGINE (WITH ARCTIC PACKAGE) 308
FIGURE 3-34. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE) 314
FIGURE 3-35. ENGINE ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE) 316
FIGURE 3-36. ENGINE COMPONENTS - KUBOTA 322
FIGURE 3-37. PUMP COUPLING KIT - KUBOTA ENGINE 326
FIGURE 3-38. PISTON PUMP ASSEMBLY 328
FIGURE 3-39. PISTON PUMP ASSEMBLY (REAR) 332
FIGURE 3-40. PISTON PUMP ASSEMBLY (FRONT) 336
FIGURE 3-41. SPARK ARRESTOR INSTALLATION - DEUTZ D2011 ENGINE 340
FIGURE 3-42. ENGINE BAFFLE INSTALLATION - ABS HOODS (DEUTZ & GM ENGINES) 342
FIGURE 3-43. ENGINE BAFFLE INSTALLATION - ABS HOODS (KUBOTA ENGINES) 344

TABLE OF CONTENTS

FIGURE 3-44. ENGINE BAFFLE INSTALLATION - STEEL HOODS 346
FIGURE 3-45. FUEL/WATER SEPARATOR INSTALLATION DUETZ D2.9L4 (CHINA IV) ENGINE 348
FIGURE 3-46. FUEL PUMP AND FILTER INSTALLATION DUETZ D2.9L4 (CHINA IV) ENGINE 350
FIGURE 3-47. ENGINE MOUNT (WITH GENERATOR) - DEUTZ D2.9L4 AND DEUTZ D2.9L4 (STAGE V) ENGINES 352
FIGURE 3-48. ENGINE MOUNT (WITHOUT GENERATOR) - DEUTZ D2.9L4, DEUTZ D2.9L4 (STAGE V) AND DEUTZ D2.9L4 (CHINA IV) ENGINES 354
FIGURE 3-49. ENGINE TRAY JACK INSTALLATION 356
FIGURE 3-50. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE) 358
FIGURE 3-51. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE) 362
FIGURE 3-52. GENERATOR INSTALLATION - 2500W/60HZ (KUBOTA ENGINE) 366
FIGURE 3-53. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINES) 370
FIGURE 3-54. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE) 374
FIGURE 3-55. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE) 378
FIGURE 3-56. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ STAGE V ENGINE) 382
FIGURE 3-57. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE) 386
FIGURE 3-58. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE) 390
FIGURE 3-59. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4 ENGINE) 394
FIGURE 3-60. GENERATOR INSTALLATION - 7500W/60HZ (KUBOTA ENGINE) 398

SECTION 4 - BOOM 403

FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION (400S) 404
FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION (460SJ) 406
FIGURE 4-3. BOOM AND CYLINDERS INSTALLATION - 1K45FT (460SJ) 408
FIGURE 4-4. MAIN BOOM ASSEMBLY (400S) 410
FIGURE 4-5. MAIN BOOM ASSEMBLY (460SJ) 412
FIGURE 4-6. MAIN BOOM ASSEMBLY - 1K45FT (460SJ) 414
FIGURE 4-7. JIB BOOM ASSEMBLY (460SJ) 416
FIGURE 4-8. JIB BOOM ASSEMBLY - 1K45FT (460SJ) 418
FIGURE 4-9. ROTATOR ASSEMBLY (400S) 420
FIGURE 4-10. ROTATOR ASSEMBLY (460SJ) 422
FIGURE 4-11. ROTATOR ASSEMBLY - 1K45FT (460SJ) 424
FIGURE 4-12. POWER TRACK INSTALLATION 426
FIGURE 4-13. POWER TRACK INSTALLATION - 1K45FT (460SJ) 428
FIGURE 4-14. CAPACITY SWITCH INSTALLATION 430
FIGURE 4-15. CAPACITY SWITCH INSTALLATION - 1K45FT (460SJ) 432
FIGURE 4-16. TRANSPORT SWITCHES INSTALLATION 434
FIGURE 4-17. TRANSPORT SWITCHES INSTALLATION - 1K45FT (460SJ) 436
FIGURE 4-18. PLATFORM SUPPORT INSTALLATION 438

SECTION 5 - PLATFORM 441

FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.52M) WITH SWING GATE 442
FIGURE 5-2. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE 444
FIGURE 5-3. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE 446
FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.52M) WITH DROP BAR 448
FIGURE 5-5. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR 450
FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR 452

FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ALL SPECS EXCEPT CE AND AUSTRALIAN SPECS) 454
FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH GATE 456
FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROPBAR 458
FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (1 GATE/2 DROP BARS) 460
FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (3 DROP BARS) 462
FIGURE 5-12. PLATFORM ASSEMBLY - 30IN X 3FT (76CM X .91M) - DROP BAR ENTRY 464
FIGURE 5-13. PLATFORM CONSOLE BOX INSTALLATION 466
FIGURE 5-14. PLATFORM CONSOLE BOX ASSEMBLY 468
FIGURE 5-15. FOOTSWITCH ASSEMBLY 470
FIGURE 5-16. LIGHT PANEL INSTALLATION - 400S & 460SJ 472
FIGURE 5-17. LIGHT PANEL INSTALLATION - 460SJ 1K45FT 474
FIGURE 5-18. FALL ARREST (BOLT-ON) INSTALLATION - 5FTX3FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) 476
FIGURE 5-19. FALL ARREST (BOLT-ON) INSTALLATION - 6FTX3FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) 478
FIGURE 5-20. FALL ARREST (BOLT-ON) INSTALLATION - 6FTX3FT TRI-ENTRY PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) 480
FIGURE 5-21. FALL ARREST (BOLT-ON) INSTALLATION - 8FTX3FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS) 482
FIGURE 5-22. SOFT TOUCH INSTALLATION - 6FT (1.83M) FALL ARREST PLATFORM 484
FIGURE 5-23. SOFT TOUCH INSTALLATION - 8FT (2.4M) PLATFORM 486
FIGURE 5-24. SKYGUARD BAR INSTALLATION 488
FIGURE 5-25. SKYEYE INSTALLATION 490
FIGURE 5-26. SKYLINE INSTALLATION 492
FIGURE 5-27. SKYGLAZIER INSTALLATION 494
FIGURE 5-28. SKYSENSE MID TUBE SENSOR ASSEMBLY 496
FIGURE 5-29. SKYSENSE OVERHEAD SENSOR ASSEMBLY 498
FIGURE 5-30. SKYWELDER INSTALLATION (50HZ) 500
FIGURE 5-31. SKYWELDER INSTALLATION (60HZ) 502
FIGURE 5-32. SKYWELDER PREP PACKAGE (60HZ) 504
FIGURE 5-33. TRAY INSTALLATION 506
FIGURE 5-34. USB CHARGER INSTALLATION 508
FIGURE 5-35. WELDER ASSEMBLY 510

SECTION 6 - CYLINDER 513

FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY 514
FIGURE 6-2. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY 516
FIGURE 6-3. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY - 1K45FT (460SJ) 518
FIGURE 6-4. LIFT CYLINDER ASSEMBLY - MAIN BOOM 520
FIGURE 6-5. LIFT CYLINDER ASSEMBLY - JIB 522
FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB - 1K45FT (460SJ) 524
FIGURE 6-7. MASTER CYLINDER ASSEMBLY 526
FIGURE 6-8. MASTER CYLINDER ASSEMBLY - 1K45FT (460SJ) 528
FIGURE 6-9. STEER CYLINDER ASSEMBLY 530
FIGURE 6-10. TELESCOPE CYLINDER ASSEMBLY 532
FIGURE 6-11. TELESCOPE CYLINDER ASSEMBLY - 1K45FT (460SJ) 534

TABLE OF CONTENTS

SECTION 7 - HYDRAULIC 537

FIGURE 7-1. 2WD HYDRAULIC SYSTEM INSTALLATION (400S) 538
FIGURE 7-2. 4WD HYDRAULIC SYSTEM INSTALLATION (400S) 546
FIGURE 7-3. 2WD HYDRAULIC SYSTEM INSTALLATION (460SJ) 554
FIGURE 7-4. 4WD HYDRAULIC SYSTEM INSTALLATION (460SJ) 562
FIGURE 7-5. 1K45FT 4WD HYDRAULIC SYSTEM INSTALLATION (460SJ) 570

SECTION 8 - ELECTRICAL 579

FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT(HRC), CSA AND JAPANESE SPECS) 580
FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR) 582
FIGURE 8-3. AC BOX AT PLATFORM - 110V IEC YELLOW (CE & UK CA SPEC WITHOUT GENERATOR) 584
FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR) 586
FIGURE 8-5. AC BOX AT PLATFORM - 220V IEC BLUE (CE & UK CA SPEC WITHOUT GENERATOR) 588
FIGURE 8-6. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPEC WITHOUT GENERATOR) 590
FIGURE 8-7. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPEC WITHOUT GENERATOR) 592
FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR) 594
FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR) 596
FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR) 598
FIGURE 8-11. AC BOX AT PLATFORM - 220V AFSINT107 (CE & UK CA SPEC WITHOUT GENERATOR) 600
FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS (ALL SPECS EXCEPT CSA SPECS) 602
FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ANSI, ANSI EXPORT(HRC), CSA AND JAPANESE SPECS) 604
FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ANSI, ANSI EXPORT(HRC), CSA AND JAPANESE SPECS) 606
FIGURE 8-15. AC CABLE INSTALLATION - WITH THREE BREAKERS (CE & UK CA SPECS) 608
FIGURE 8-16. BATTERY DISCONNECT SWITCH 610
FIGURE 8-17. BEACON HARNESS (AMBER LIGHT) 612
FIGURE 8-18. BEACON HARNESS (BLUE/RED BEACON LIGHT) 614
FIGURE 8-19. BOOM HARNESS (400S) 616
FIGURE 8-20. BOOM HARNESS - 1K45FT (460SJ) 618
FIGURE 8-21. BOOM CAPACITY PROXIMITY SWITCH HARNESS (400S) 620
FIGURE 8-22. BOOM CAPACITY PROXIMITY SWITCH HARNESS - 1K45FT (460SJ) 622
FIGURE 8-23. BOOM HI-CAPACITY HARNESS - 1K45FT (460SJ) 624
FIGURE 8-24. BOOM TELE IN PROXIMITY SWITCH HARNESS 626
FIGURE 8-25. BREAKER BOX INSTALLATION - 110/220V 16AMP BREAKER (CE & UK CA SPEC) 628
FIGURE 8-26. BREAKER BOX KIT - 110/220V 16AMP BREAKER (CE & UK CA SPEC) 630
FIGURE 8-27. BREAKER BOX KIT - 30MA/16 AMP 632
FIGURE 8-28. BREAKER BOX KIT WITH THREE BREAKERS 634
FIGURE 8-29. CABLES AND CLAMPS INSTALLATION -(2500W GENERATOR OR NO GENERATOR) (400S) 636
FIGURE 8-30. CABLES AND CLAMPS INSTALLATION -(4000W GENERATOR 60HZ) (400S) 638
FIGURE 8-31. CABLES AND CLAMPS INSTALLATION -(4000W GENERATOR 50HZ) (400S) 640

FIGURE 8-32. CABLES AND CLAMPS INSTALLATION -(7500W GENERATOR) (400S) 642
FIGURE 8-33. CABLES AND CLAMPS INSTALLATION -(2500W GENERATOR OR NO GENERATOR) (460SJ) 644
FIGURE 8-34. CABLES AND CLAMPS INSTALLATION - (4000W GENERATOR 60HZ) (460SJ) 646
FIGURE 8-35. CABLES AND CLAMPS INSTALLATION -(4000W GENERATOR 50HZ) (460SJ) 648
FIGURE 8-36. CABLES AND CLAMPS INSTALLATION -(7500W GENERATOR) (460SJ) 650
FIGURE 8-37. CABLES AND CLAMPS INSTALLATION - 1K45FT (2500W GENERATOR OR NO GENERATOR) (460SJ) 652
FIGURE 8-38. CABLES AND CLAMPS INSTALLATION - 1K45FT (4000W GENERATOR 60HZ) (460SJ) 654
FIGURE 8-39. CABLES AND CLAMPS INSTALLATION - 1K45FT (7500W GENERATOR) (460SJ) 656
FIGURE 8-40. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 4G (ALL SPECS EXCEPT CHINA SPECS) 658
FIGURE 8-41. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 4G (CHINA SPECS) 660
FIGURE 8-42. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 3G (ANSI EXPORT, CE, JAPANESE & UK CA SPECS) 662
FIGURE 8-43. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 3G (AUSTRALIAN SPECS) 664
FIGURE 8-44. CLEARSKY (TELEMATICS) INSTALLATION - 3 WIRE GT1030 666
FIGURE 8-45. CLEARSKY (TELEMATICS) HARNESS 668
FIGURE 8-46. CLEARSKY HARNESS - CANBUS 670
FIGURE 8-47. ENGINE HARNESS - DEUTZ D2011 672
FIGURE 8-48. ENGINE HARNESS - DEUTZ D2.9L4 674
FIGURE 8-49. ENGINE HARNESS - DEUTZ D2.9L4 (STAGE V) 678
FIGURE 8-50. ENGINE HARNESS - DEUTZ D2.9L4 (CHINA IV) 682
FIGURE 8-51. ENGINE HARNESS - KUBOTA 686
FIGURE 8-52. FUEL HARNESS - DEUTZ D2.9L4 ENGINE 688
FIGURE 8-53. FUEL HARNESS - KUBOTA ENGINE 690
FIGURE 8-54. GENERATOR HARNESS - 2500W 692
FIGURE 8-55. GENERATOR HARNESS - 4000W 694
FIGURE 8-56. GROUND CONTROL BOX HARNESS 696
FIGURE 8-57. HOUR METER JUMPER HARNESS 698
FIGURE 8-58. INTERFACE HARNESS - WITH 1 CELL LSS 700
FIGURE 8-59. PLATFORM CONSOLE BOX HARNESS 702
FIGURE 8-60. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC) 704
FIGURE 8-61. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC) 706
FIGURE 8-62. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN (CE & UK CA SPEC) 708
FIGURE 8-63. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN (CE & UK CA SPEC) 710
FIGURE 8-64. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC) 712
FIGURE 8-65. TURNTABLE HARNESS 714
FIGURE 8-66. VALVE HARNESS - MAIN VALVE 718
FIGURE 8-67. VALVE HARNESS - MAIN VALVE - 1K45FT (460SJ) 720
FIGURE 8-68. SKYLINE HARNESS 722
FIGURE 8-69. SKYEYE INTERMEDIATE HARNESS 724
FIGURE 8-70. SKYEYE RECEIVER HARNESS 726
FIGURE 8-71. SKYEYE EMITTER HARNESS 728

SECTION 9 - DECAL 731

FIGURE 9-1. DECAL INSTALLATION - ANSI, ANSI EXPORT AND CSA SPECS - ENGLISH (400S) 732
FIGURE 9-2. DECAL INSTALLATION - ANSI, ANSI EXPORT AND CSA SPECS - ENGLISH (460SJ) 734
FIGURE 9-3. DECAL INSTALLATION - ANSI AND CSA SPECS - ENGLISH (1K45FT) (460SJ) 736

TABLE OF CONTENTS

FIGURE 9-4. DECAL INSTALLATION - AUSTRALIAN SPEC (460SJ) 738
FIGURE 9-5. DECAL INSTALLATION - CE & UK CA SPEC (460SJ) 740
FIGURE 9-6. INSTALLATION - BRAZIL SPEC (DUAL LANGUAGE - PORTUGUESE/SPANISH) (400S) 742
FIGURE 9-7. DECAL INSTALLATION - BRAZIL SPEC (DUAL LANGUAGE - PORTUGUESE/SPANISH) (460SJ) 744
FIGURE 9-8. DECAL INSTALLATION - CHINESE SPEC (DUAL LANGUAGE - ENGLISH/CHINESE) (400S) 746
FIGURE 9-9. DECAL INSTALLATION - CHINESE SPEC (DUAL LANGUAGE - ENGLISH/CHINESE) (460SJ) 748
FIGURE 9-10. DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (400S) 750
FIGURE 9-11. DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (460SJ) 752
FIGURE 9-12. DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (1K45FT) (460SJ) 754
FIGURE 9-13. DECAL INSTALLATION - JAPANESE SPEC (DUAL LANGUAGE - ENGLISH/JAPANESE) (400S) 756
FIGURE 9-14. DECAL INSTALLATION - JAPANESE SPEC (DUAL LANGUAGE - ENGLISH/JAPANESE) (460SJ) 758
FIGURE 9-15. DECAL INSTALLATION - KOREAN SPEC (DUAL LANGUAGE - ENGLISH/KOREAN) (400S) 760
FIGURE 9-16. DECAL INSTALLATION - KOREAN SPEC (DUAL LANGUAGE - ENGLISH/KOREAN) (460SJ) 762
FIGURE 9-17. DECAL INSTALLATION - LATIN AMERICAN SPEC (DUAL LANGUAGE - ENGLISH/SPANISH) (400S) 764
FIGURE 9-18. DECAL INSTALLATION - LATIN AMERICAN SPEC (DUAL LANGUAGE - ENGLISH/SPANISH) (460SJ) 766
FIGURE 9-19. DECAL INSTALLATION - OPTIONS 768
FIGURE 9-20. SKYWELDER DECAL INSTALLATION - 50HZ 772
FIGURE 9-21. SKYWELDER DECAL INSTALLATION - 60HZ 774

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK 777

FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK 778

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS 781

FIGURE 11-1. SPECIAL OPTIONS/ACCESSORIES/KITS 782

PART NUMBER INDEX 787

SECTION 1 - FRAME

FIGURE 1-1. AXLE INSTALLATION

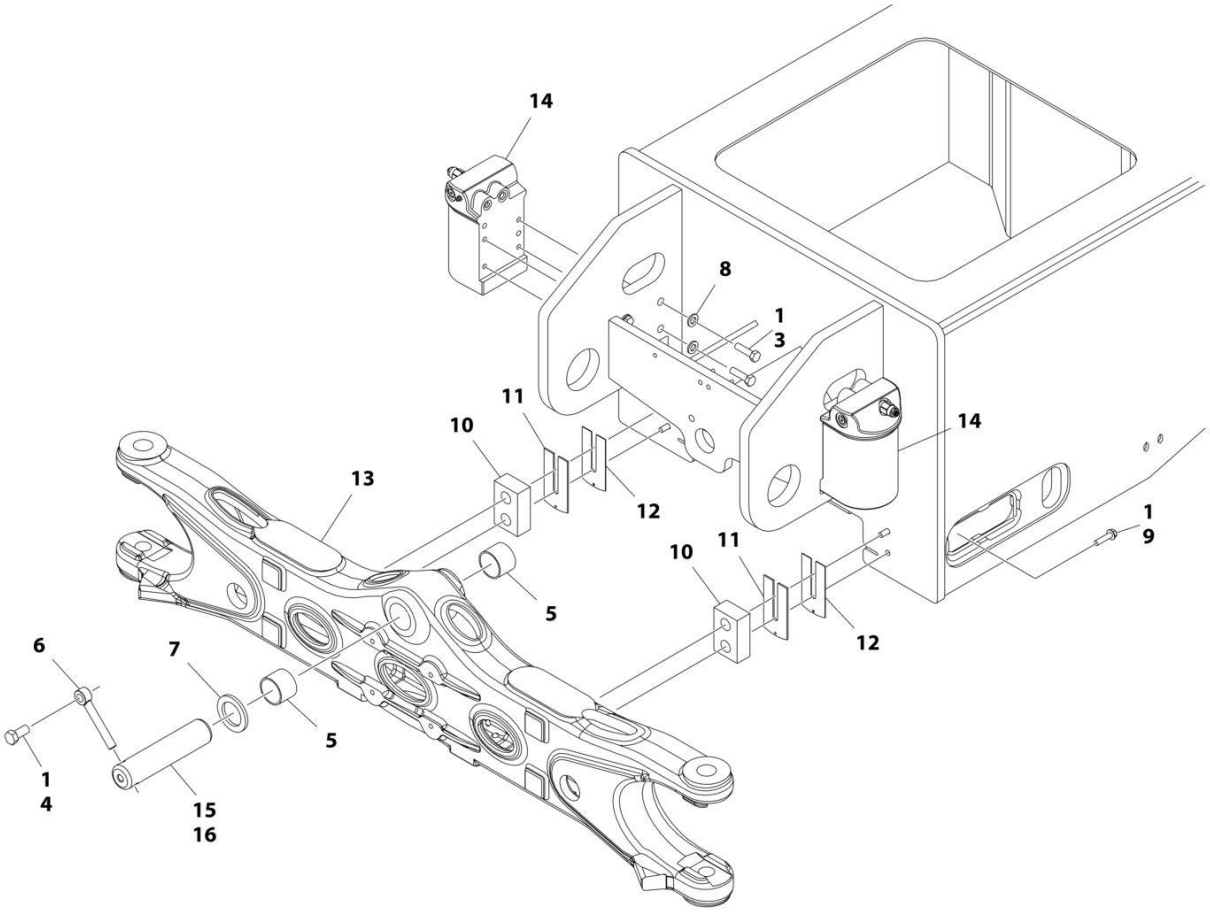


FIGURE 1-1. AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164094	Ref	AXLE INSTALLATION	D
1	0100011	AR	Compound, Locking	
3	0701217	8	Bolt M12 x 45	
4	0761215	1	Bolt M12 x 35	
5	0961950	2	Bearing	
6	3841203	1	Keeper, Pin	
7	4740158	1	Washer	
8	5241200	8	Washer M12	
9	5251016	4	Bolt M10 x 40	
10	1001166563	2	Pad, Wear	
11	1001150324	2	Shim 3MM	
12	1001150326	2	Shim 1.2MM	
13	1001162995	1	Axle	
14	1001163580	2	Axle Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
15	1001302868	1	Pin	
16	3020039	AR	Lube	

FIGURE 1-2. STEER INSTALLATION WITHOUT TOW PACKAGE

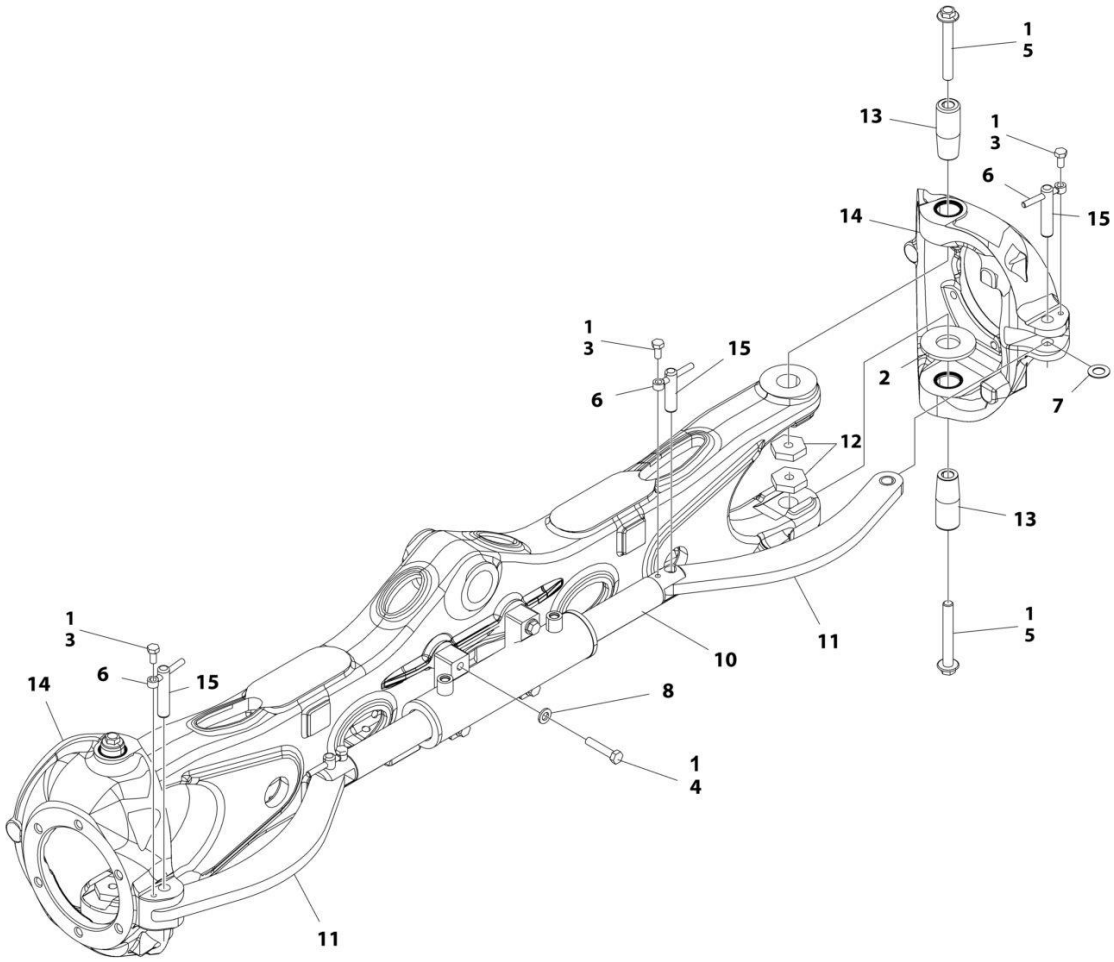


FIGURE 1-2. STEER INSTALLATION WITHOUT TOW PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164092	Ref	STEER INSTALLATION WITHOUT TOW PACKAGE	F
1	0100011	AR	Compound, Locking	
2	1001233139	2	Bearing, Thrust	
3	0761011	4	Bolt M10 x 22	
4	0711220	4	Bolt M12 x 60 Grade 10.9	
5	1001190368	4	Bolt M16 x 120	
6	3841143	4	Keeper, Pin	
7	4740086	4	Washer	
8	5241200	4	Washer M12	
10	1001163178	1	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
11	1001163179	2	Link	
11	1001164209	4	Bearing (2 Per Link)	
12	1001176848	4	Nut M16	
13	1001163405	4	Kingpin	
14	1001163715	2	Spindle	
14	0961948	4	Bearing (2 Per Spindle)	
14	1001163716	8	Seal (4 Per Spindle)	
15	3423304	4	Pin	

FIGURE 1-3. STEER INSTALLATION WITH TOW PACKAGE

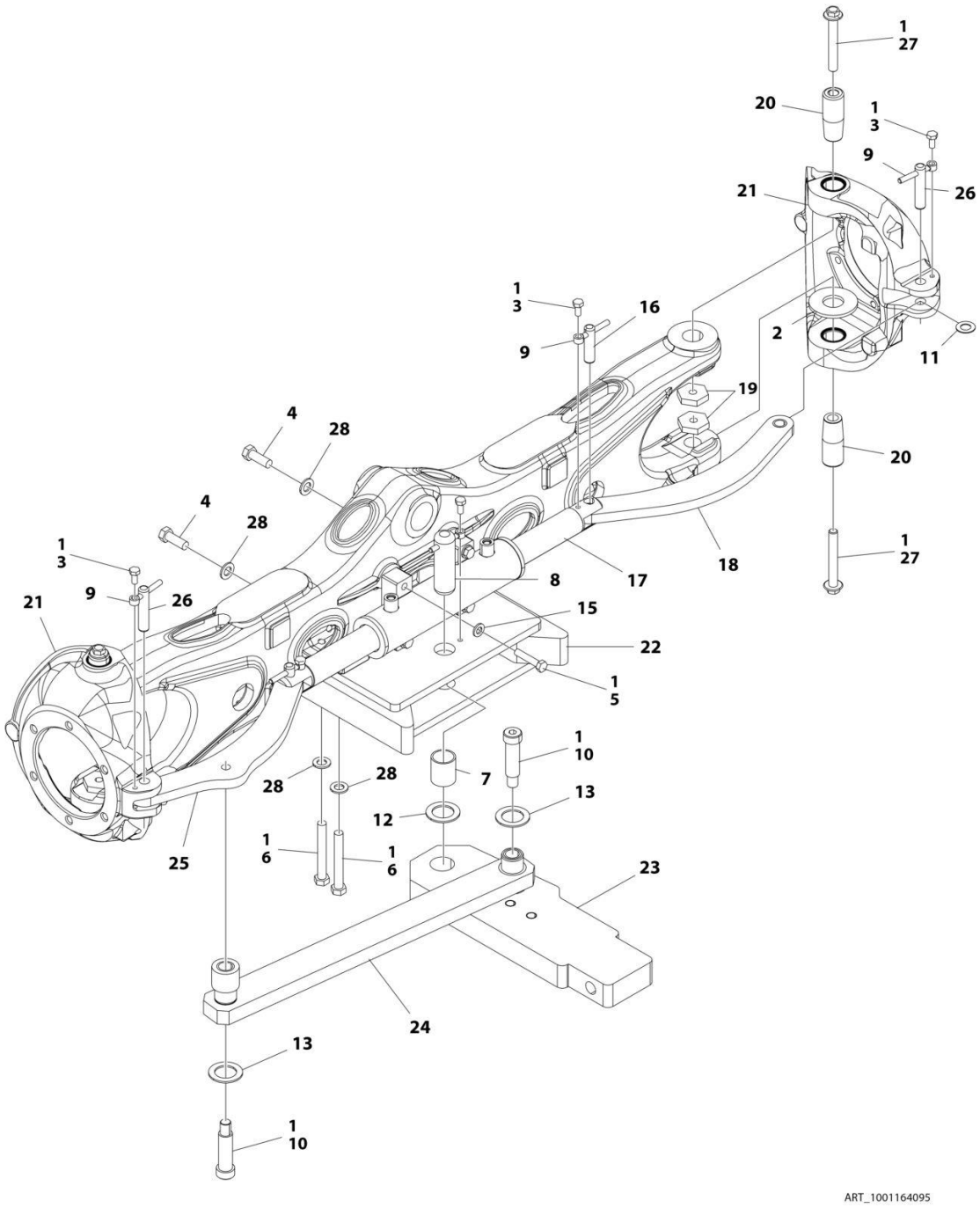


FIGURE 1-3. STEER INSTALLATION WITH TOW PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164095	Ref	STEER INSTALLATION WITH TOW PACKAGE	D
1	0100011	AR	Compound, Locking	
2	0440271	2	Bearing, Thrust	
3	0761011	5	Bolt M10 x 22	
4	0701617	2	Bolt M16 x 45	
5	0711220	4	Bolt M12 x 60 Grade 10.9	
6	0711629	4	Bolt M16 x 120	
7	0962348	1	Bearing	
8	3422848	1	Pin	
9	3841143	5	Keeper, Pin	
10	3900295	2	Bolt 1 X 3	
11	4740086	4	Washer	
12	4740155	1	Washer	
13	4740491	2	Washer	
15	5241200	4	Washer M12	
16	1001139586	2	Pin	
17	1001163178	1	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
18	1001163179	1	Link	
18	1001164209	2	Bearing	
19	1001176848	4	Nut M16	
20	1001163405	4	Kingpin	
21	1001163715	2	Spindle	
21	0961948	4	Bearing (2 per Spindle)	
21	1001163716	8	Seal (4 per Spindle)	
22	1001163717	1	Bracket, Tow	
23	1001163722	1	Plate	
24	1001163724	1	Link	
24	0962292	4	Bearing	
25	1001163726	1	Link	
25	1001164209	2	Bearing	
26	3423304	2	Pin	
27	1001190368	4	Bolt M16 x 120	
28	5241600	6	Washer M16	

FIGURE 1-4. WHEEL DRIVE INSTALLATION (2WD)

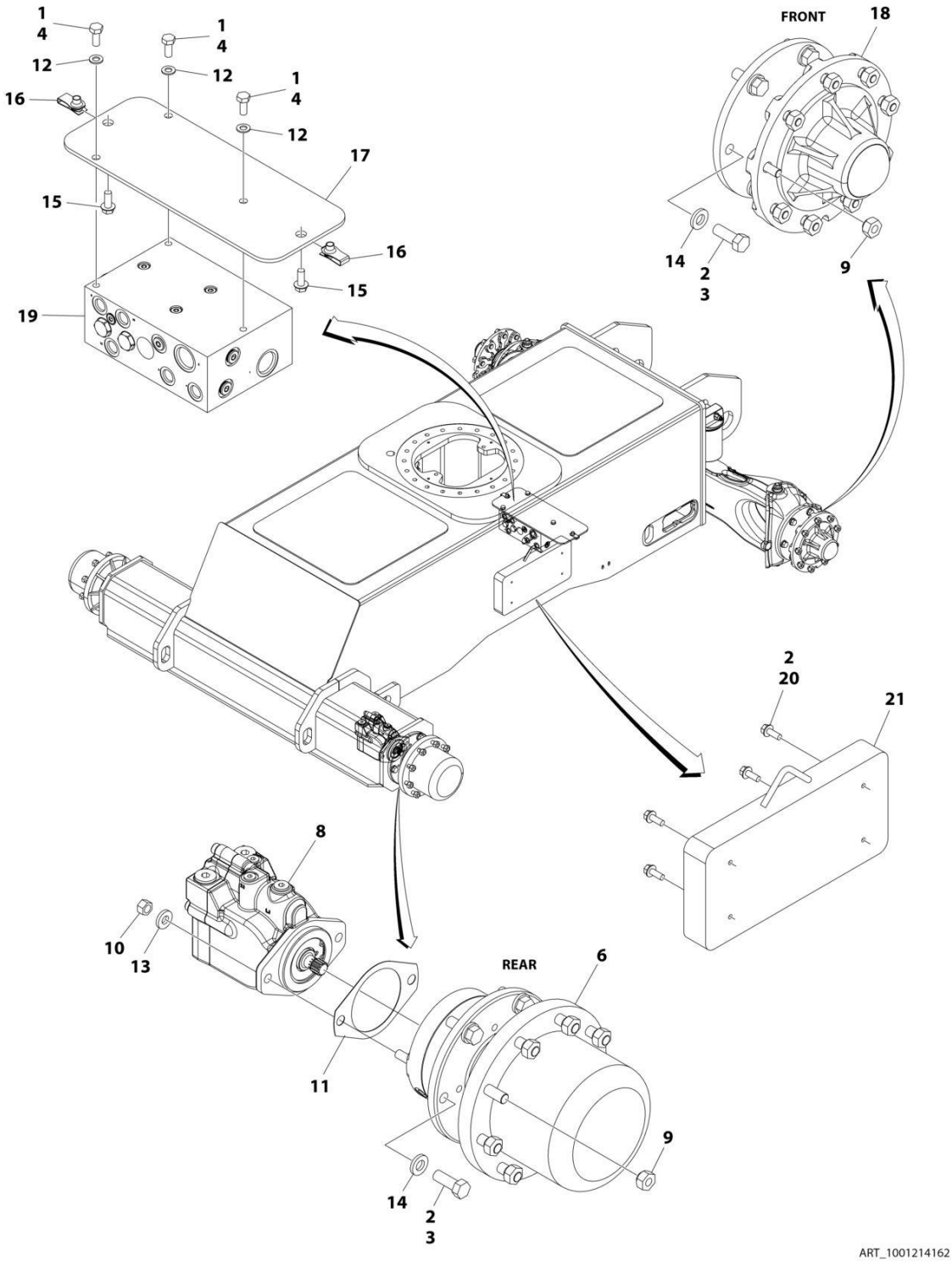


FIGURE 1-4. WHEEL DRIVE INSTALLATION (2WD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214162	Ref	WHEEL DRIVE INSTALLATION (2WD)	D
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0682014	24	Bolt, 5/8 x 1-3/4 (Grade 8)	
4	0761012	3	Bolt, M10 x 25	
6	2780267	2	Drive Hub Assembly - Rear (See Separate Breakdown in this Section)	
8	3160351	2	Drive Motor Assembly (See Separate Breakdown in this Section)	
9	3300106	36	Lugnut	
10	3311801	4	Nut, 1/2	
11	3960526	2	Gasket, Brake	
12	4812000	3	Washer, M10	
13	4891800	4	Washer, 1/2	
14	4892000	24	Washer, 5/8	
15	5251012	2	Bolt, M10 x 25	
16	1001118972	2	Nut, M10 x 1.5	
17	1001163959	1	Plate, Mounting	
18	1001214174	2	Hub Spindle Assembly - Front (See Separate Breakdown in this Section)	
19	1001214317	1	Traction Valve Assembly - 2WD (See Separate Breakdown in this Section)	
20	0811608	8	Bolt 3/8 x 1	
21	1001215509	2	Weight	

FIGURE 1-5. WHEEL DRIVE INSTALLATION (4WD)

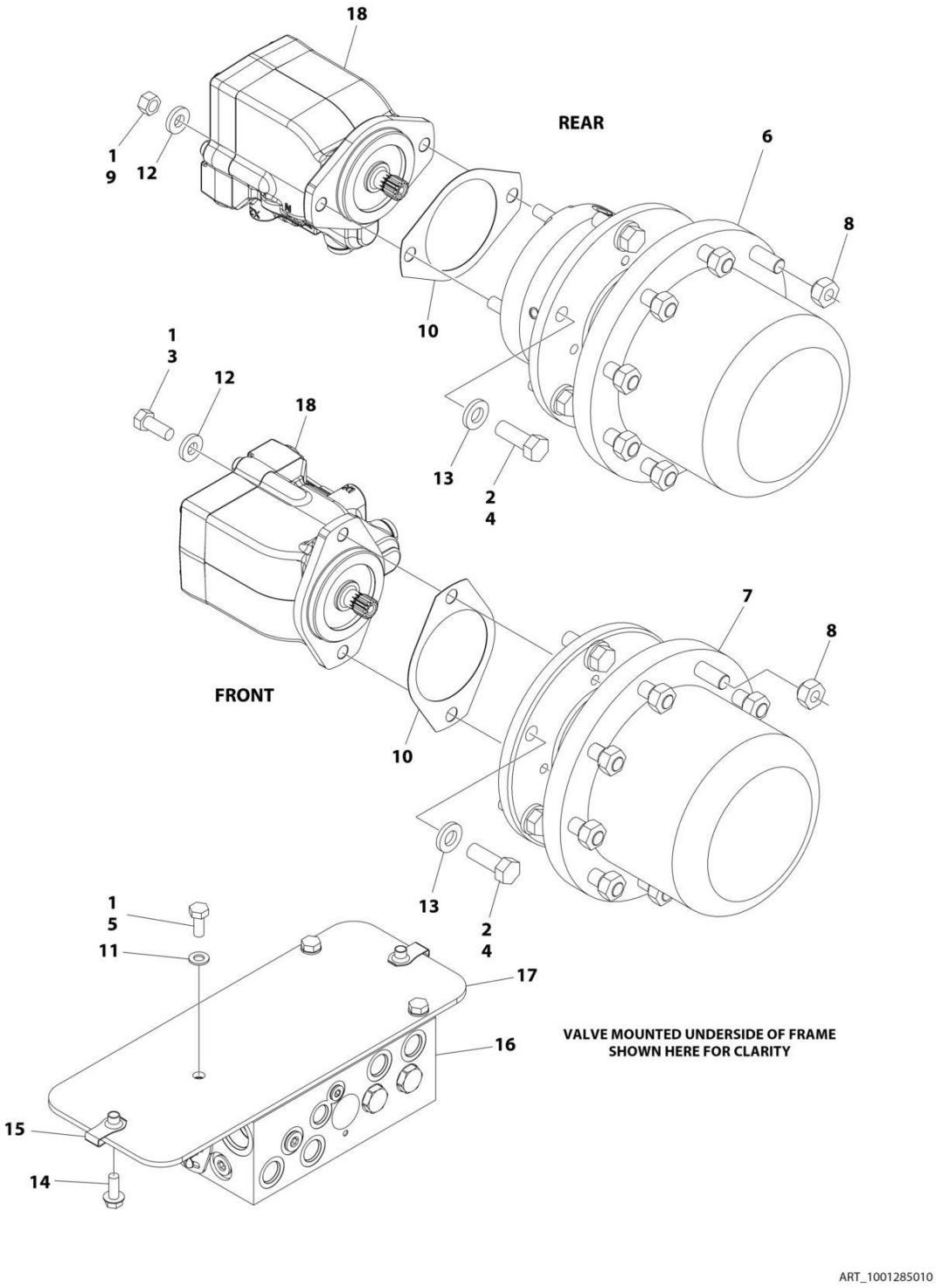


FIGURE 1-5. WHEEL DRIVE INSTALLATION (4WD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285010	Ref	WHEEL DRIVE INSTALLATION (4WD)	A
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0681810	4	Bolt 1/2 x 1-1/4 (Grade 8)	
4	0682014	24	Bolt 5/8 x 1-3/4 (Grade 8)	
5	0761012	3	Bolt M10 x 25	
6	2780267	2	Drive Hub Assembly - Rear (See Separate Breakdown in this Section)	
7	2780268	2	Drive Hub Assembly - Front (See Separate Breakdown in this Section)	
8	3300106	36	Lugnut	
9	3311801	4	Nut 1/2	
10	3960526	4	Gasket, Brake	
11	4812000	3	Washer M10	
12	4891800	8	Washer 1/2	
13	4892000	24	Washer 5/8	
14	5251012	2	Bolt M10 x 25	
15	1001118972	2	Nut M10	
16	1001162537	1	Traction Valve Assembly (See Separate Breakdown in this Section)	
17	1001163959	1	Plate, Mounting	
18	1001278022	4	Drive Motor Assembly (See Separate Breakdown in this Section)	

FIGURE 1-6. DRIVE HUB AND BRAKE ASSEMBLY - REAR

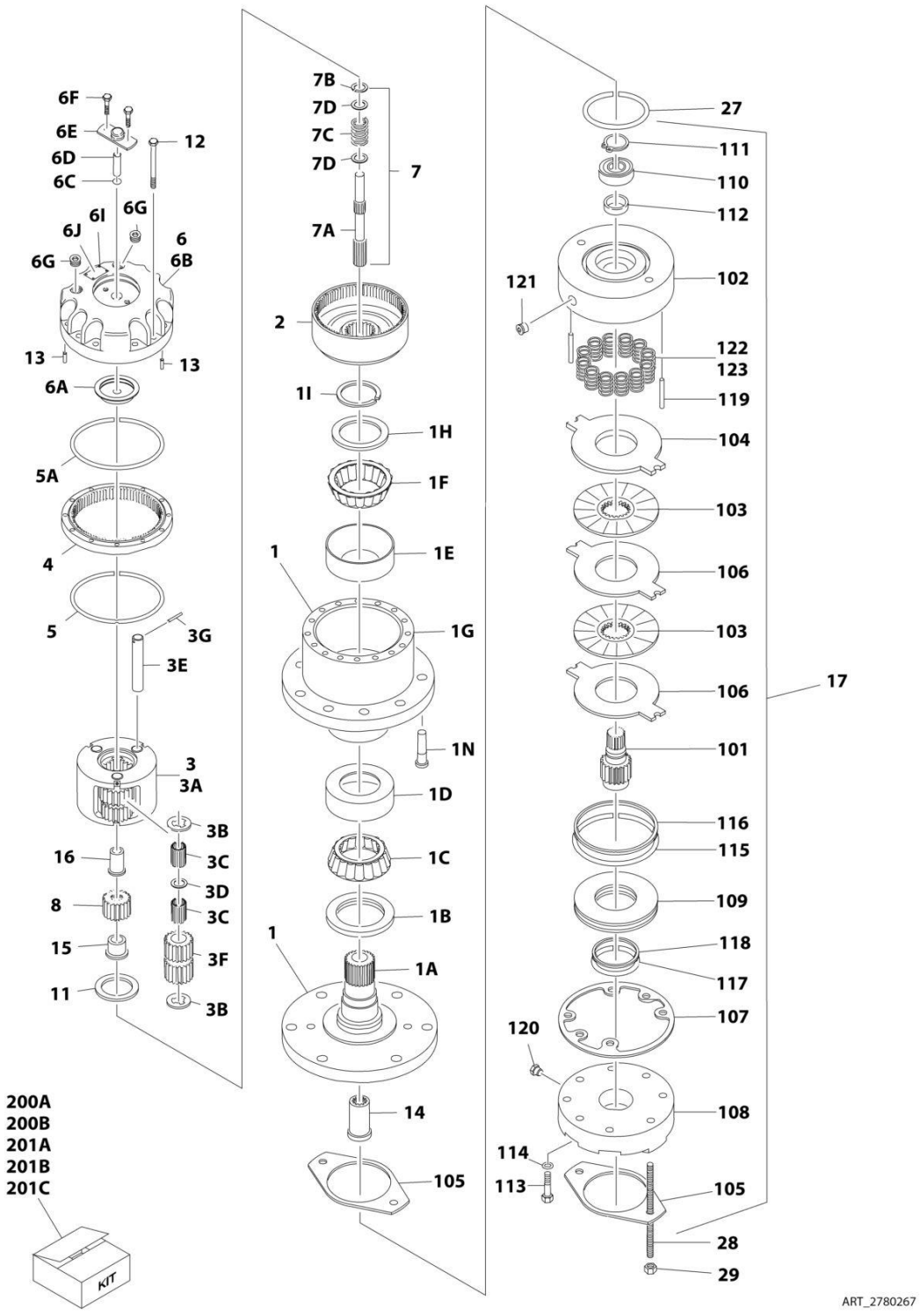


FIGURE 1-6. DRIVE HUB AND BRAKE ASSEMBLY - REAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780267	Ref	DRIVE HUB AND BRAKE ASSEMBLY - REAR	I
1	See Note	1	Spindle/Housing Assembly (Note: Purchase Individual Components)	
1A	7017059	1	Spindle	
1B	7001998	1	Seal	
1C	7010429	1	Cone, Bearing (Includes Item 1D)	
1D	7010429	1	Cup, Bearing (Includes Item 1C)	
1E	7000257	1	Cup, Bearing	
1F	7000258	1	Cone, Bearing	
1G	7007601	1	Housing/Ring Gear	
1H	7000232	1	Washer, Thrust	
1I	7000229	1	Ring, Retaining	
1N	7007640	9	Stud, Wheel	
2	7000246	1	Gear, Internal	
3	7024712	1	Carrier Assembly	
3A	See Note	1	Carrier (Note: Use Item 3)	
3B	See Note	6	Ring, Retaining (Note: Use Item 3)	
3C	See Note	AR	Bearing, Needle (Note: Use Item 3)	
3D	See Note	3	Washer, Thrust (Note: Use Item 3)	
3E	See Note	3	Shaft, Planet (Note: Use Item 3)	
3F	See Note	3	Gear, Planet (Note: Use Item 3)	
3G	See Note	3	Roll Pin (Note: Use Item 3)	
4	7000248	1	Ring Gear	
5	7000230	1	O-Ring	
5A	7017070	1	O-Ring	
6	70001349	1	Cover Assembly Kit	
6A	See Note	1	Spacer, Thrust (Note: Use Item 6)	
6B	See Note	1	Plate, Cover (Note: Use Item 6)	
6C	See Note	1	O-Ring (Note: Use Item 6)	
6D	See Note	1	Rod, Disconnect (Note: Use Item 6)	
6E	See Note	1	Cap, Disengage (Note: Use Item 6)	
6F	See Note	2	Bolt (Note: Use Item 6)	
6G	See Note	1	Plug, Pipe (Note: Use Item 6)	
6I	See Note	4	Rivet (Note: Not Available for Purchase)	
6J	See Note	1	Plate, ID (Note: Not Available for Purchase)	
7		Ref	Input Shaft Assembly	
7A	7024714	1	Shaft	
7B	7000261	1	Ring, Retaining	
7C	7000262	1	Spring	
7D	7000263	2	Spacer, Thrust	
8	7024713	1	Gear, Sun	
11	7000253	1	Washer, Thrust	
12	7017067	12	Bolt	
13	7017080	4	Pin, Dowel	
14	7000206	1	Coupling	
15	7024715	1	Spacer, Input	
16	7024716	1	Spacer, Input	
17	7024182	1	Brake Assembly (See Items 101-123 for Breakdown)	
27	7024705	1	O-Ring	
28	7024717	2	Rod, Threaded	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
29	7024718	2	Nut 1/2in-13NC	
	7024182	Ref	BRAKE ASSEMBLY	
101	7024189	1	Shaft	
102	See Note	1	Housing (Note: Use Item 17)	
103	See Note	2	Plate, Friction (Note: Use Item 201B)	
104	See Note	1	Plate, Pressure (Note: Use Item 201B)	
105	7000731	2	Gasket	
106	See Note	2	Plate, Outer (Note: Use Item 201B)	
107	See Note	1	Gasket (Note: Use Item 200A, 201B or 201C)	
108	7024191	1	Cylinder	
109	7024192	1	Piston	
110	See Note	1	Bearing, Ball (Note: Use Item 201C)	
111	See Note	1	Ring, Retaining (Note: Use Item 201C)	
112	See Note	1	Seal, Shaft (Note: Use Item 201C)	
113	See Note	6	Capscrew (Note: Use Item 17)	
114	See Note	6	Lockwasher (Note: Use Item 17)	
115	See Note	1	O-Ring (Note: Use Item 200B)	
116	See Note	1	Ring, Back-up (Note: Use Item 200B)	
117	See Note	1	O-Ring (Note: Use Item 200B)	
118	See Note	1	Ring, Back-up (Note: Use Item 200B)	
119	7024190	2	Pin, Dowel	
120	See Note	1	Plug (Note: Use Item 17)	
121	See Note	2	Plug (Note: Use Item 17)	
122	See Note	12	Spring Kit (Natural) (Note: Use Item 201A)	
123	See Note	2	Spring Kit (Blue) (Note: Use Item 201A)	
		Ref	Kit Options	
200		Ref	Seal Kit Options:	
200A	See Note	1	Hub Seal Kit (Note: Purchase Individual Components)	
200B	7024194	1	Brake Seal Kit (Includes Items 105, 107 & 115-118)	
201		Ref	Repair Kit Options:	
201A	7024196	1	Brake Spring Kit (Includes 12 Natural Colored and 2 Blue Colored Springs Items 122 & 123)	
201B	7024193	1	Brake Friction Disc Kit (Includes Items 103, 104, 106 & 107)	
201C	7024197	1	Brake Bearing Kit (Includes Items 107 & 110-112)	

FIGURE 1-7. DRIVE HUB ASSEMBLY - FRONT

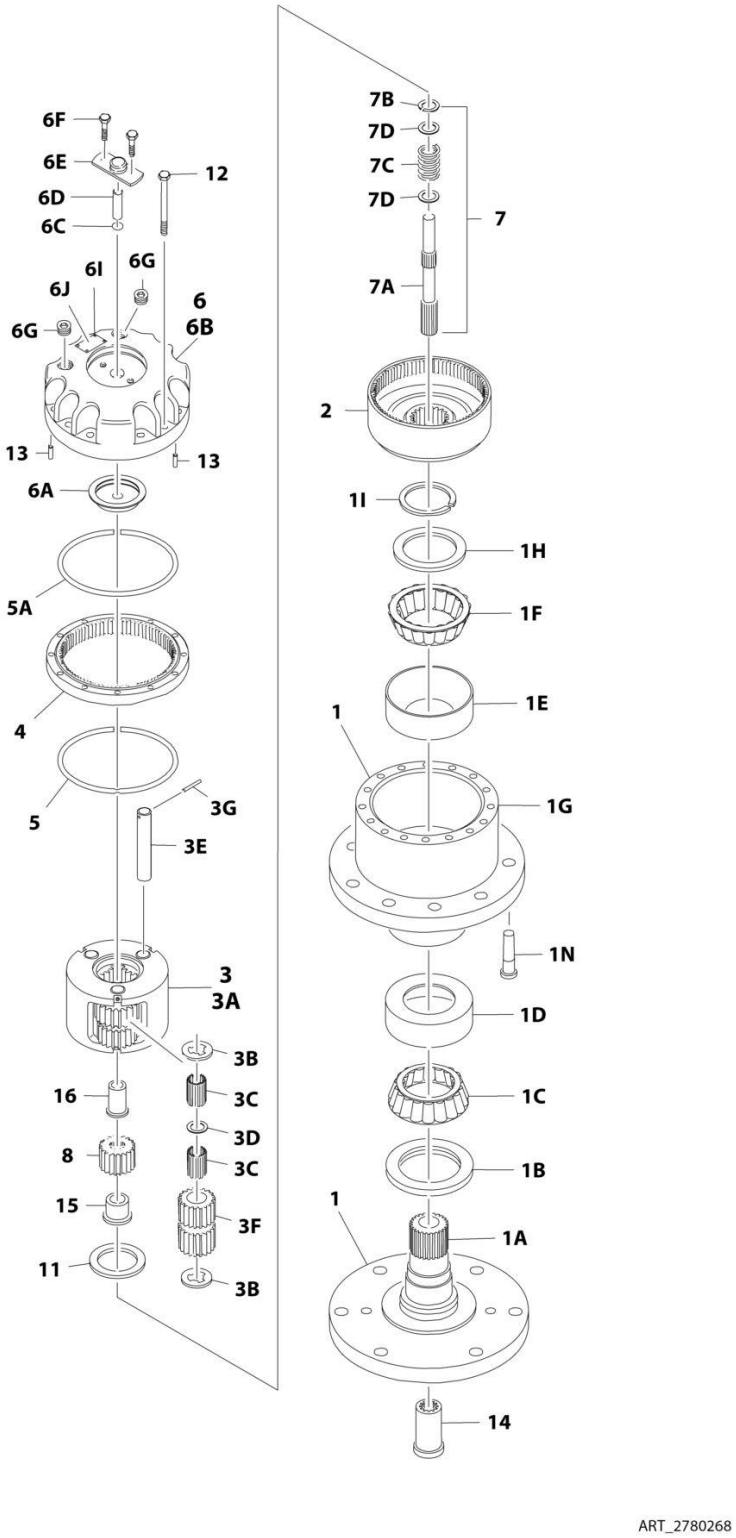


FIGURE 1-7. DRIVE HUB ASSEMBLY - FRONT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780268	Ref	DRIVE HUB ASSEMBLY - FRONT	F
1	See Note	1	Spindle/Housing Assembly (Note: Purchase Individual Components)	
1A	7017059	1	Spindle	
1B	7001998	1	Seal	
1C	7010429	1	Cone, Bearing (Includes Item 1D)	
1D	7010429	1	Cup, Bearing (Includes Item 1C)	
1E	7000257	1	Cup, Bearing	
1F	7000258	1	Cone, Bearing	
1G	7007601	1	Housing/Ring Gear	
1H	7000232	1	Washer, Thrust	
1I	7000229	1	Ring, Retaining	
1N	7007640	9	Stud, Wheel	
2	7000246	1	Gear, Internal	
3	7024712	1	Carrier Assembly	
3A	See Note	1	Carrier (Note: Use Item 3)	
3B	See Note	6	Ring, Retaining (Note: Use Item 3)	
3C	See Note	AR	Bearing, Needle (Note: Use Item 3)	
3D	See Note	3	Washer, Thrust (Note: Use Item 3)	
3E	See Note	3	Shaft, Planet (Note: Use Item 3)	
3F	See Note	3	Gear, Planet (Note: Use Item 3)	
3G	See Note	3	Roll Pin (Note: Use Item 3)	
4	7000248	1	Ring Gear	
5	7000230	1	O-Ring	
5A	7017070	1	O-Ring	
6	70001349	1	Cover Assembly Kit	
6A	See Note	1	Spacer, Thrust (Note: Use Item 6)	
6B	See Note	1	Plate, Cover (Note: Use Item 6)	
6C	See Note	1	O-Ring (Note: Use Item 6)	
6D	See Note	1	Rod, Disconnect (Note: Use Item 6)	
6E	See Note	1	Cap, Disengage (Note: Use Item 6)	
6F	See Note	2	Bolt (Note: Use Item 6)	
6G	See Note	1	Plug, Pipe (Note: Use Item 6)	
6I	See Note	4	Rivet (Note: Not Available for Purchase)	
6J	See Note	1	Plate, ID (Note: Not Available for Purchase)	
7		Ref	Input Shaft Assembly	
7A	7024714	1	Shaft	
7B	7000261	1	Ring, Retaining	
7C	7000262	1	Spring	
7D	7000263	2	Spacer, Thrust	
8	7024713	1	Gear, Sun	
11	7000253	1	Washer, Thrust	
12	7017067	12	Bolt	
13	7017080	4	Pin, Dowel	
14	7000206	1	Coupling	
15	7024715	1	Spacer, Input	
16	7024716	1	Spacer, Input	

FIGURE 1-8. HUB - SPINDLE ASSEMBLY (2WD)

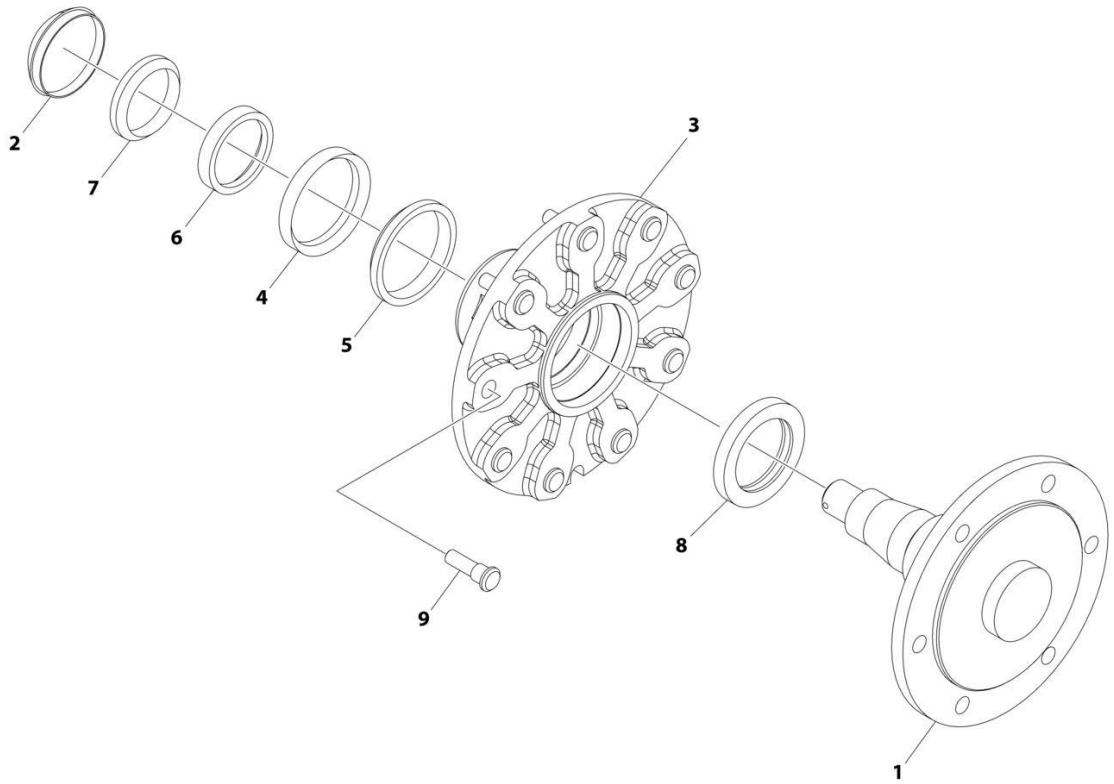


FIGURE 1-8. HUB - SPINDLE ASSEMBLY (2WD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214174	Ref	HUB - SPINDLE ASSEMBLY (2WD)	C
1	See Note	NSS	Spindle, Adapter (Note: Not Available for Purchase)	
2	7020033	1	Cap, Dust	
3	7020035	1	Hub, Casting	
4	7020036	1	Cup, Bearing	
5	7020037	1	Cone, Bearing	
6	7020038	1	Cup, Bearing	
7	7020039	1	Cone, Bearing	
8	7020040	1	Seal	
9	7020041	9	Stud	

FIGURE 1-9. DRIVE MOTOR ASSEMBLY (2WD)

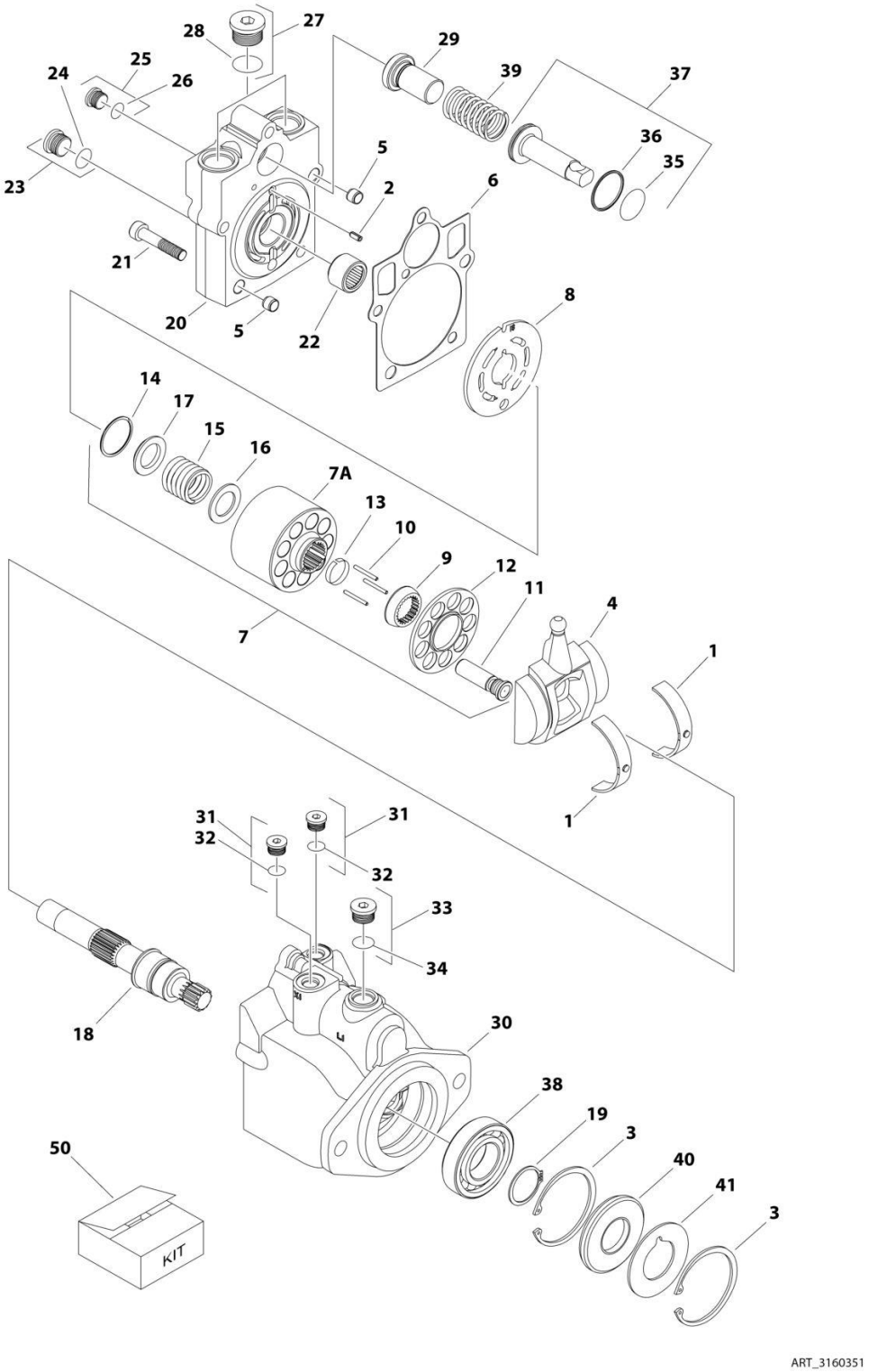


FIGURE 1-9. DRIVE MOTOR ASSEMBLY (2WD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160351	Ref	DRIVE MOTOR ASSEMBLY (2WD)	D
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	7022305	1	Swashplate	
5	See Note	2	Pin (Note: Not Available for Purchase)	
6	7022328	1	Gasket	
7	7023907	1	Cylinder Block Kit (Includes Items 7A & 9-17)	
7A	7023907	1	Block, Cylinder	
8	7023908	1	Plate, Valve	
9	7021277	1	Guide, Slipper Retainer	
10	7021275	3	Pin, Slipper Hold Down	
11	7023907	9	Piston Assembly	
12	7021276	1	Retainer, Hold Down Pin	
13	7023907	1	Retainer, Slipper	
14	7022311	1	Ring, Retaining	
15	7022312	1	Spring	
16	7024868	1	Washer	
17	7022314	1	Retainer, Spring	
18	7023910	1	Shaft	
19	7007439	1	Ring, Retaining	
20	70000797	1	Cap, End - Axial	
21	7022368	5	Screw	
22	7021249	1	Bearing, Needle	
23	2220886	1	Plug (Includes Item 24)	
24	7022328	1	O-Ring	
25	2220883	1	Plug (Includes Item 26)	
26	7022328	1	O-Ring	
27	7027419	2	Plug (Includes Item 28)	
28	7022328	2	O-Ring	
29	7024853	1	Seat, Spring	
30	See Note	NSS	Housing (Note: Not Available for Purchase – Purchase complete motor)	
31	2220883	2	Plug (Includes Item 32)	
32	7022328	2	O-Ring	
33	2220886	1	Plug (Includes Item 34)	
34	7022328	1	O-Ring	
35	7022328	1	O-Ring	
36	7022328	1	Ring, Seal	
37	7024854	1	Piston, Servo (Includes Items 35 & 36)	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	7022328	1	Seal, Lip	
41	7022371	1	Washer, Support	
50	7022328	1	Seal Kit (Includes Items 6, 24, 26, 28, 32, 34, 35, 36 & 40)	

FIGURE 1-10. DRIVE MOTOR ASSEMBLY (4WD)

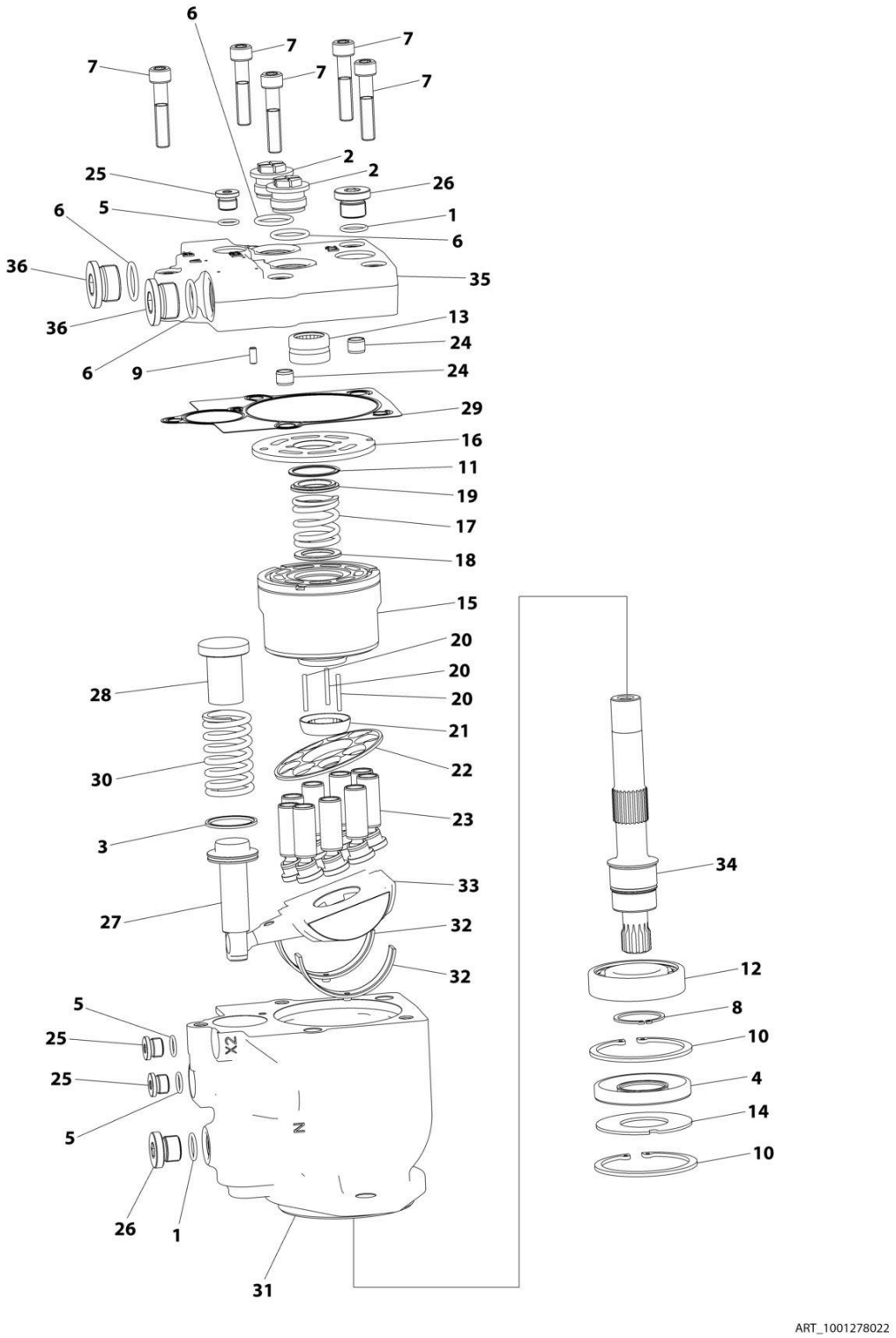


FIGURE 1-10. DRIVE MOTOR ASSEMBLY (4WD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001278022	Ref	DRIVE MOTOR ASSEMBLY	B
1	70007847	2	O-Ring	
2	70007848	2	Plug	
3	70007849	1	Ring, Sealing	
4	70007850	1	Bearing	
5	70007851	3	O-Ring	
6	70007852	4	O-Ring	
7	70007853	5	Capscrew M10 x 50	
8	70007854	1	Circlip	
9	70007855	1	Pin	
10		Ref	Circlip	
11	70007856	1	Ring, Retaining	
12	70007857	1	Bearing	
13	70007858	1	Bearing	
14	70007859	1	Gasket	
15	70007860	1	Cylinder	
16	70007861	1	Plate, Valve	
17	70007862	1	Spring	
18	70007863	1	Gasket	
19	70007864	1	Gasket	
20	70007865	3	Pin	
21	70007866	1	Bushing	
22	70007867	1	Retainer	
23	70007868	9	Piston	
24	70007869	2	Pin	
25	70007870	3	Plug	
26	70007871	2	Plug	
27	70007872	1	Piston	
28	70007873	1	Seat, Spring	
29	70007874	1	Gasket	
30	70007875	1	Spring	
31	See Note	NSS	Housing (Note: Purchase Complete Assembly)	
32	70007876	2	Bushing	
33	70007877	1	Plate, Swash	
34	70007878	1	Shaft	
35	See Note	NSS	Cover (Note: Purchase Complete Assembly)	
36	See Note	Ref	Plug (Note: Shipping Use Only)	

FIGURE 1-11. TRACTION VALVE ASSEMBLY (2WD)

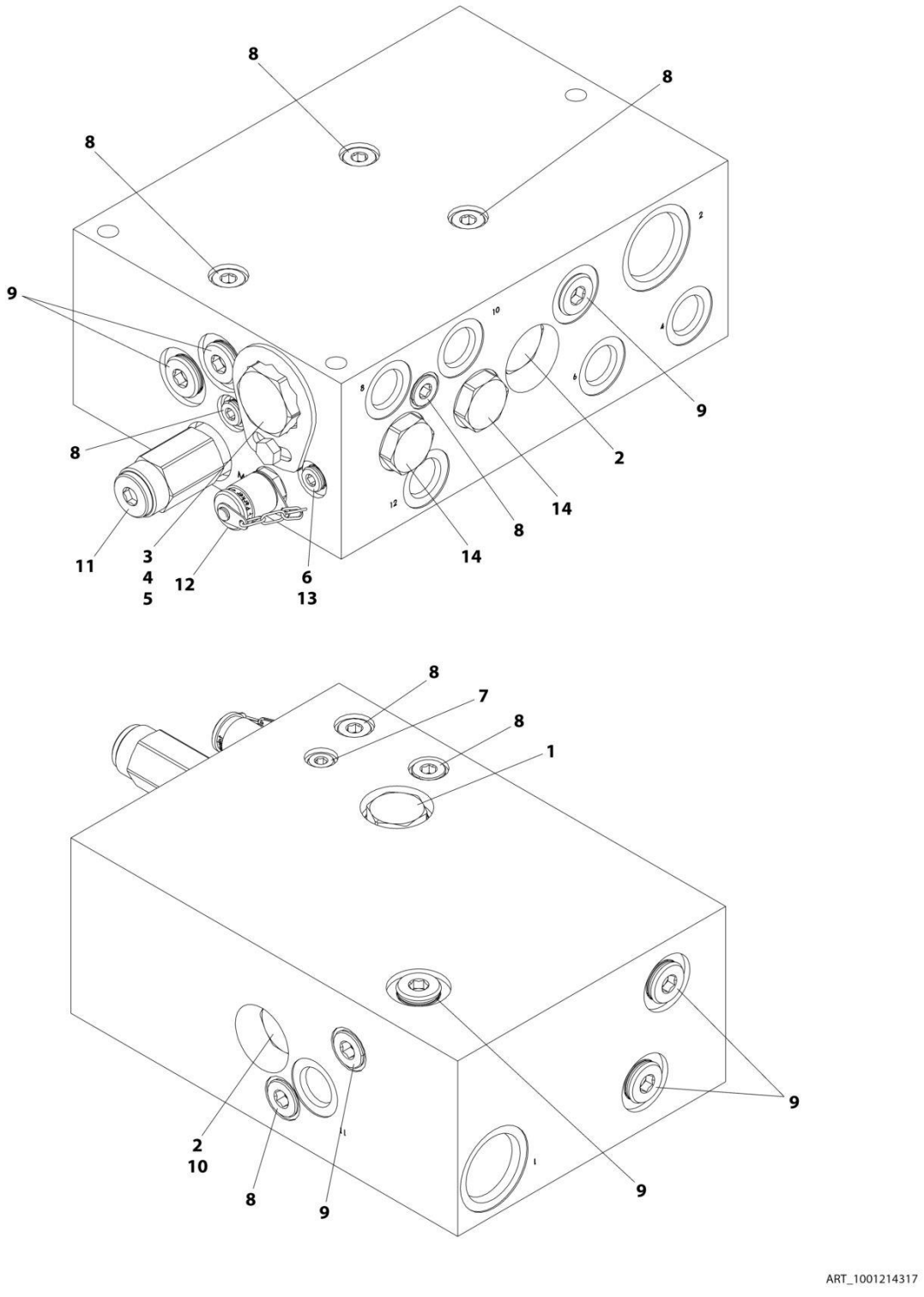


FIGURE 1-11. TRACTION VALVE ASSEMBLY (2WD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214317	Ref	TRACTION VALVE ASSEMBLY (2WD)	D
1	7022397	1	Cartridge, Check Valve	
1	7022399	1	Seal Kit - 7022397 Valve	
2	70002390	2	Cartridge, Check Valve	
2	7022399	2	Seal Kit - 70002390 Valve	
3	70004885	1	Cartridge, Flow Divider Valve	
3	70004577	1	Seal Kit - 70004885 Valve	
4	70000781	1	Lockdown Kit	
5	70005827	1	Screw	
6	7024810	1	Orifice	
7	70005833	1	Plug #4	
8	70005830	8	Plug #6	
9	70005834	7	Plug	
10	7024881	1	Piston, Pilot	
11	70005831	1	Cartridge, Relief Valve	
11	7017496	1	Seal Kit - 70005831 Valve	
12	70005832	1	Fitting, Diagnostic	
13	2220883	1	Plug #4	
14	70026444	2	Cartridge, Check Valve	
14	7022399	2	Seal Kit - 70026444 Valve	

FIGURE 1-12. TRACTION VALVE ASSEMBLY (4WD)

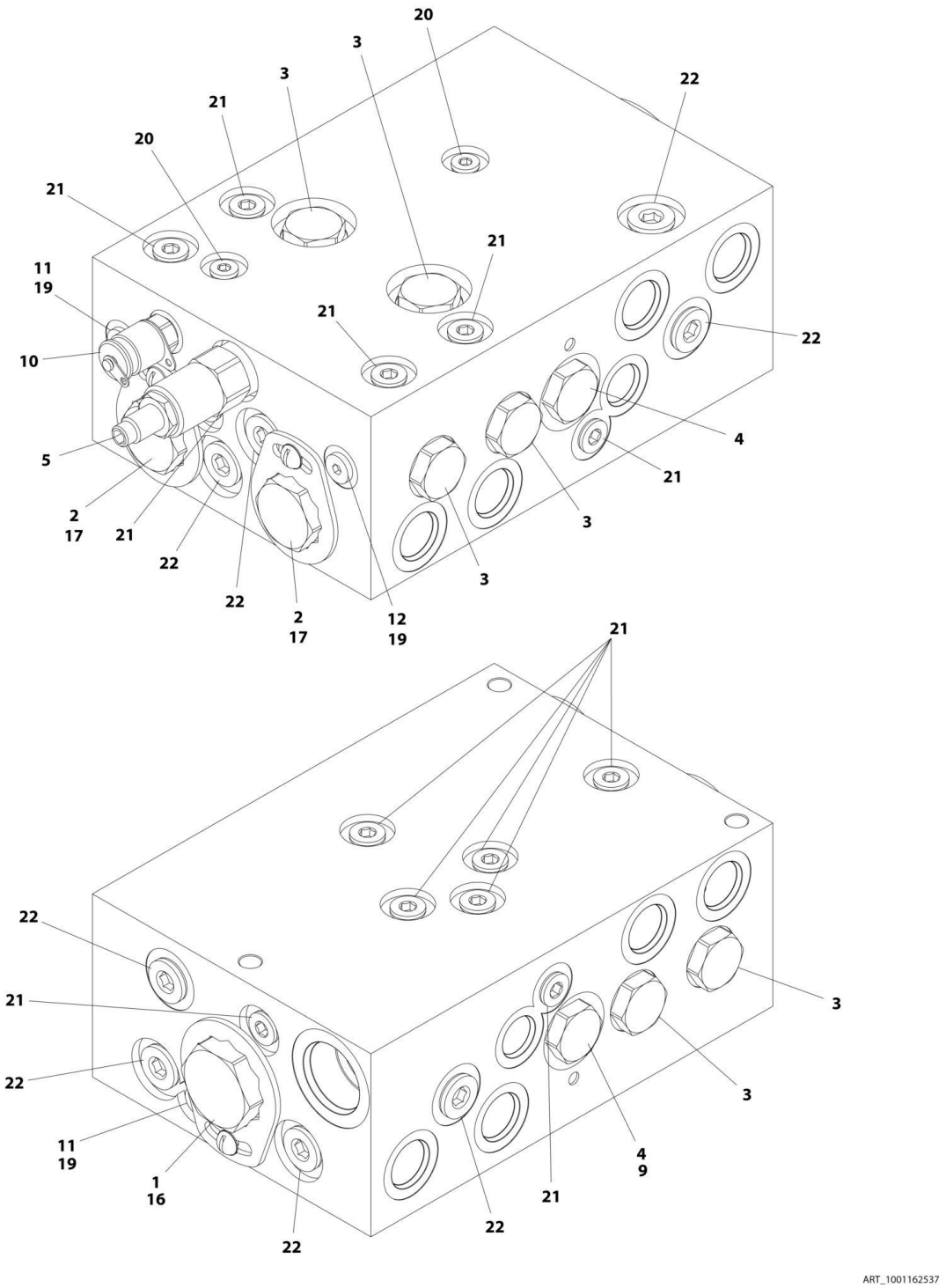


FIGURE 1-12. TRACTION VALVE ASSEMBLY (4WD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162537	Ref	TRACTION VALVE ASSEMBLY (4WD)	E
1	70004017	1	Cartridge, Flow Divider Valve	
1	7021625	1	Seal Kit - 70004017 Valve	
2	70004885	2	Cartridge, Flow Divider Valve	
2	70004577	2	Seal Kit - 70004885 Valve	
3	7022397	6	Cartridge, Check Valve	
3	7022399	6	Seal Kit - 7022397 Valve	
4	7021639	2	Cartridge, Check Valve	
4	2900756	2	Seal Kit - 7021639 Valve	
5	70004886	1	Cartridge, Relief Valve	
5	7017496	1	Seal Kit - 70004886 Valve	
9	7024881	1	Piston, Pilot	
10	2221086	1	Fitting, Test Port	
11	70004884	2	Orifice	
12	70002209	1	Orifice	
16	70000781	1	Lockdown Kit	
17	70002962	2	Lockdown Kit	
19	2220883	3	Plug, #4	
20	See Note	NSS	Plug (Note: Not Available for Purchase)	
21	91164079	13	Plug	
22	91164057	8	Plug	

FIGURE 1-13. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED (ALL SPECS)

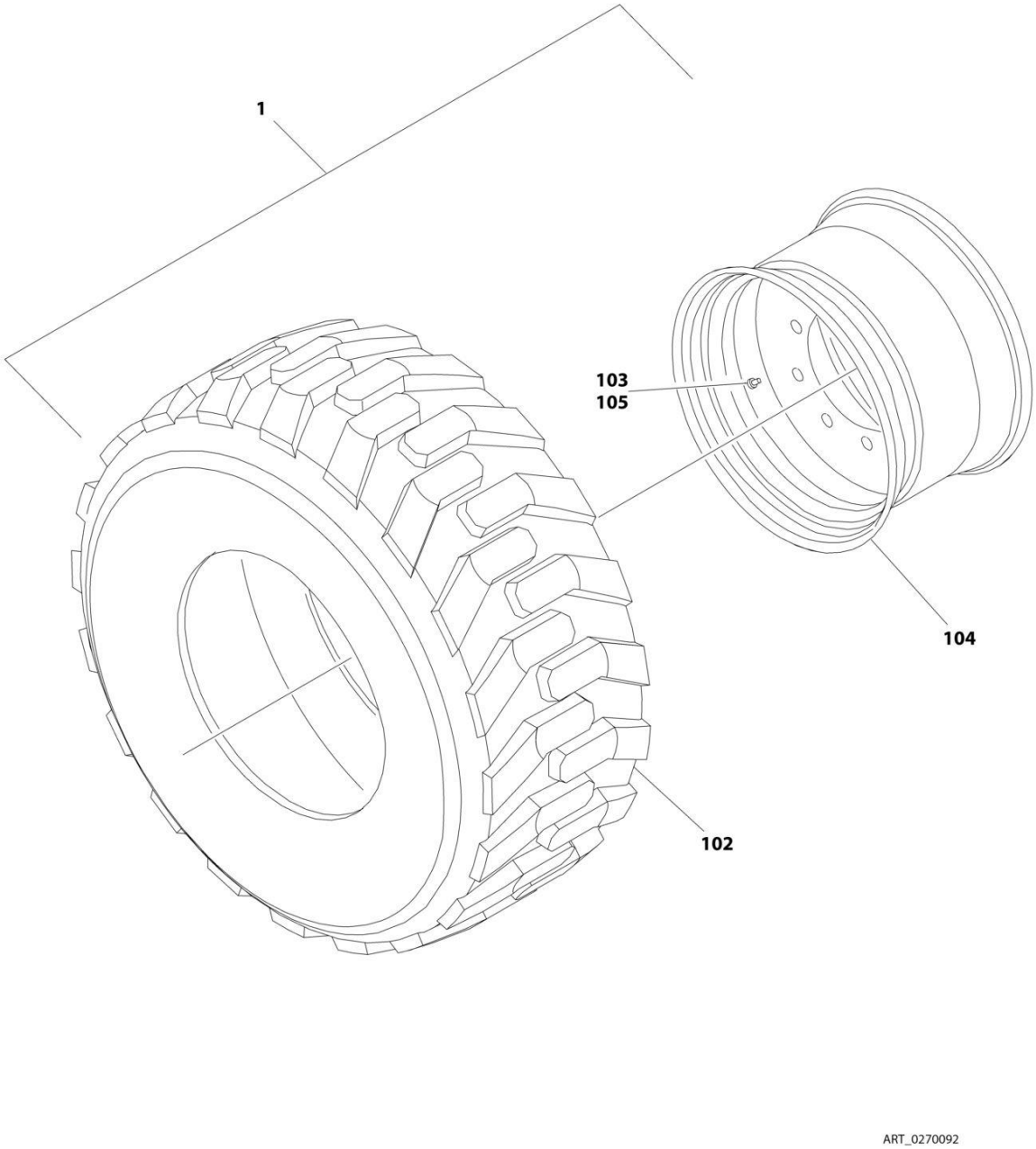


FIGURE 1-13. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED (ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270092	Ref	TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED	C
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001148865	2	Tire and Wheel Assembly - 12 x 16.5 (RH Side)	H
1	1001148866	2	Tire and Wheel Assembly - 12 x 16.5 (LH Side)	H
102	4520216	4	Tire - 12 x 16.5	
103	4641122	4	Valve	
104	1001147274	4	Rim, Wheel	
105	1001149953	4	Cap, Valve Stem	

FIGURE 1-14. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM-FILLED NON-MARKING (ALL SPECS)

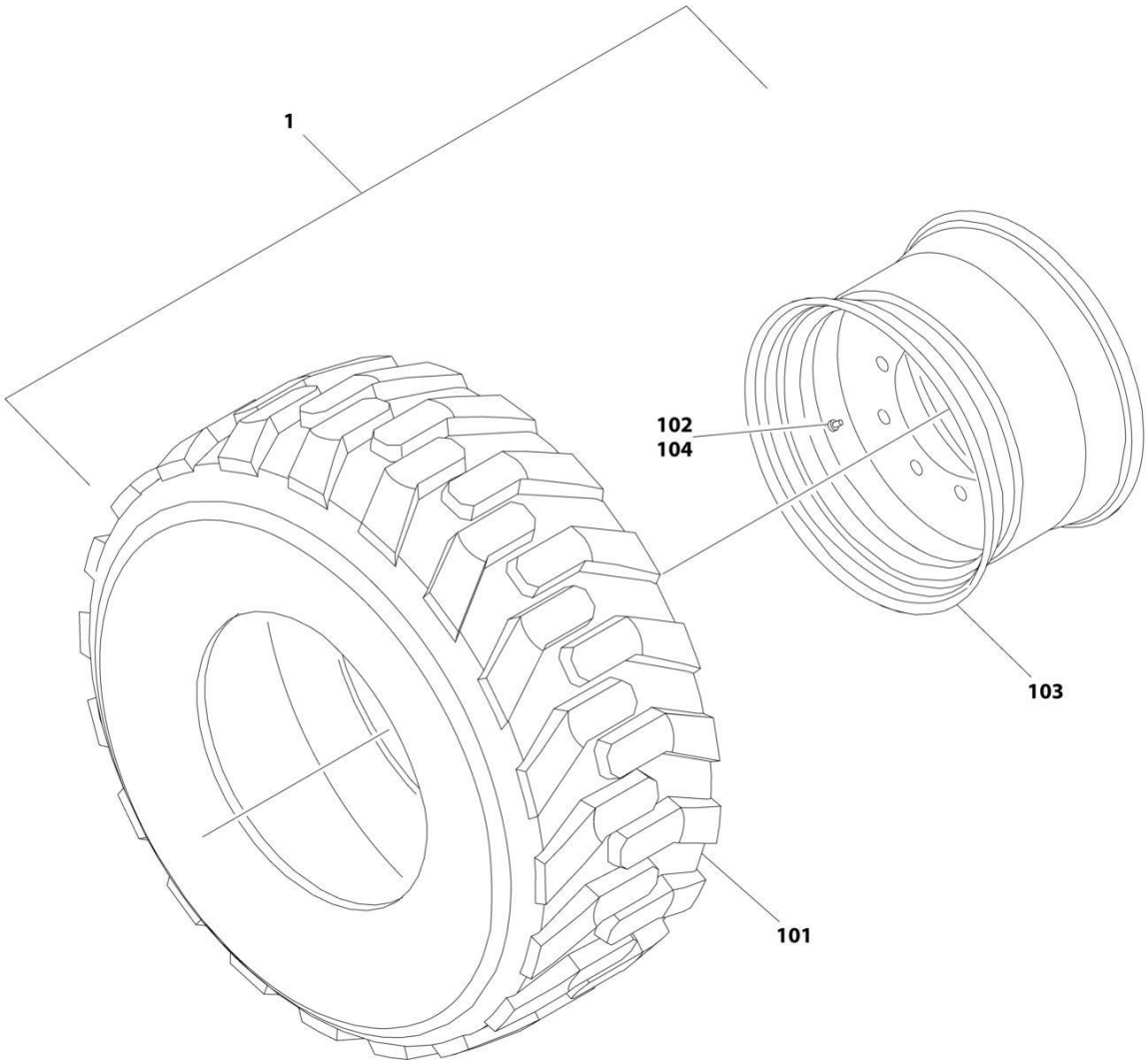


FIGURE 1-14. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM-FILLED NON-MARKING (ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270653	Ref	TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED	B
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001148869	1	Tire and Wheel Assembly - Right Side	H
1	1001148870	1	Tire and Wheel Assembly - Left Side	H
101	4520240	1	Tire 12 x 16.5 Non-Marking	
102	4641122	1	Valve	
103	1001147274	1	Rim, Wheel	
104	1001149953	1	Cap, Valve Stem	

FIGURE 1-15. TIRE AND WHEEL INSTALLATION - 14 X 17.5 FOAM FILLED (ALL SPECS)

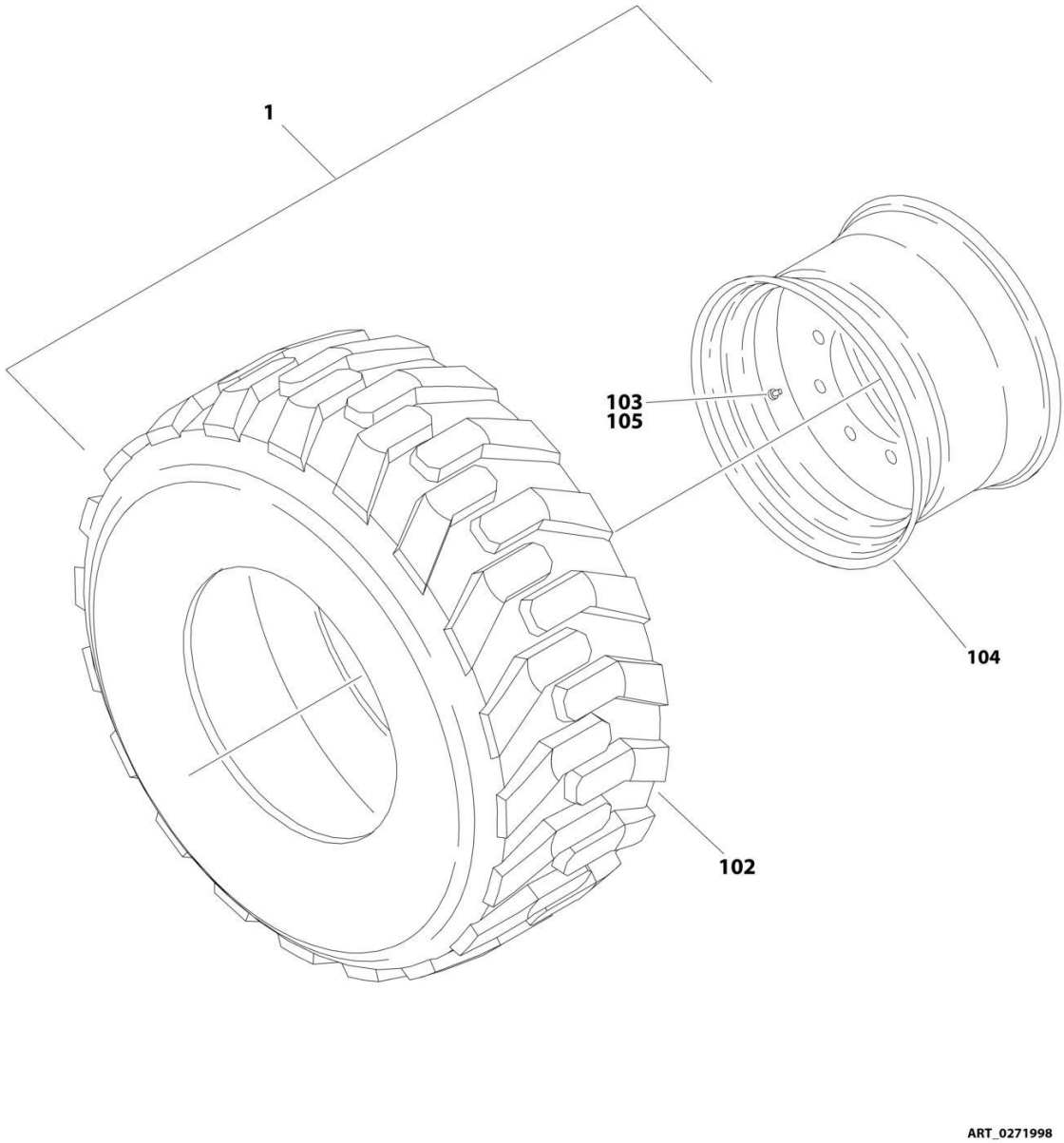


FIGURE 1-15. TIRE AND WHEEL INSTALLATION - 14 X 17.5 FOAM FILLED (ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0271998	Ref	TIRE AND WHEEL INSTALLATION - 14 X 17.5 FOAM FILLED	B
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001148875	Ref	Tire and Wheel Assembly - 14 x 17.5 (RH Side)	F
1	1001148876	Ref	Tire and Wheel Assembly - 14 x 17.5 (LH Side)	F
102	4520259	4	Tire - 14 x 17.5	
103	4641122	4	Valve	
104	1001146397	4	Rim, Wheel	
105	1001149953	4	Cap, Valve Stem	

FIGURE 1-16. TIRE AND WHEEL INSTALLATION - 14 X 17.5 FOAM FILLED NON-MARKING (ALL SPECS)

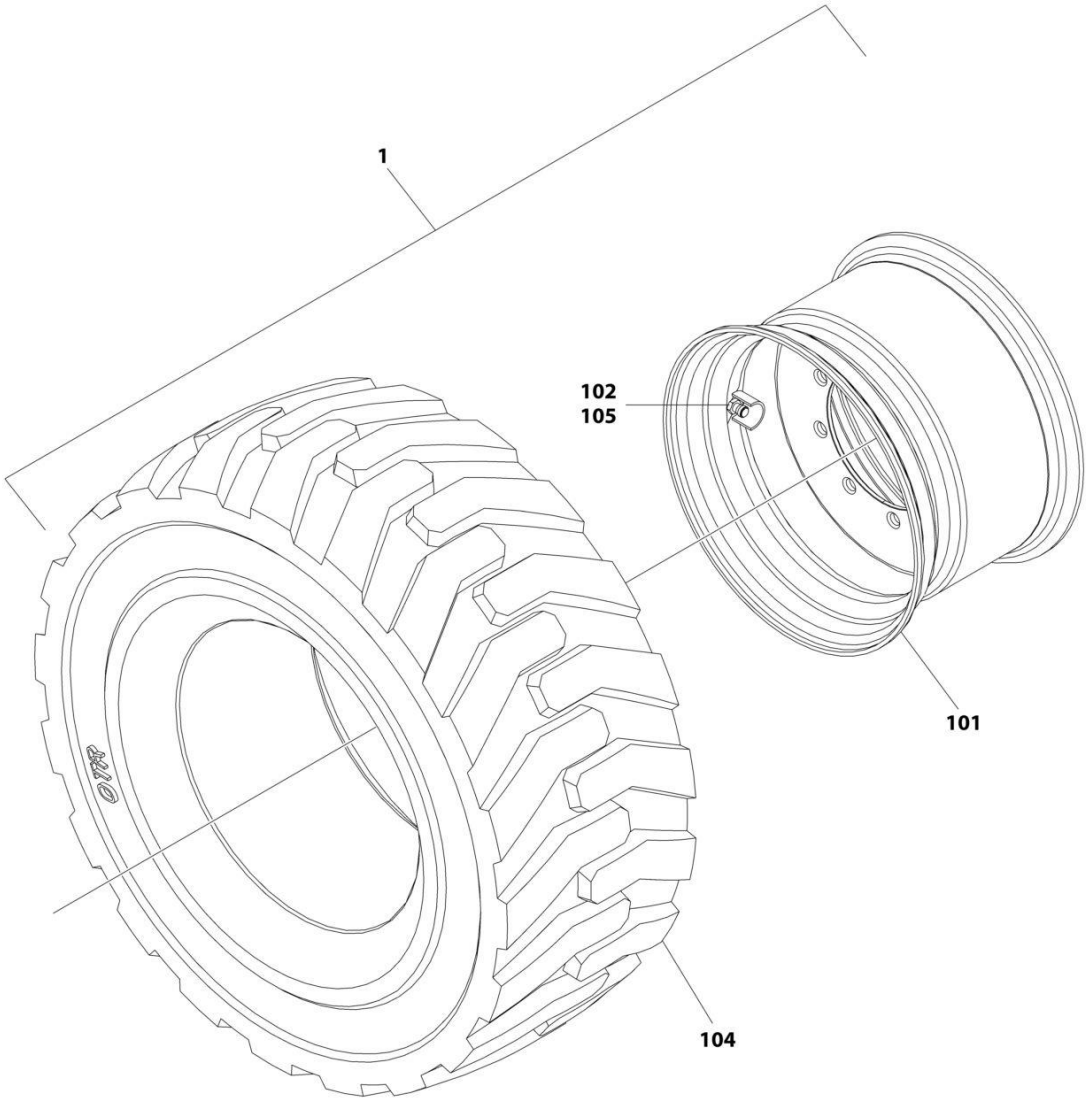


FIGURE 1-16. TIRE AND WHEEL INSTALLATION - 14 X 17.5 FOAM FILLED NON-MARKING (ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258898	Ref	TIRE AND WHEEL INSTALLATION - 14 X 17.5 FF NON-MARKING	A
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001258896	1	Tire and Wheel Assembly - Right Side	H
1	1001258897	1	Tire and Wheel Assembly - Left Side	H
101	1001146397	1	Rim, Wheel	
102	1001149953	1	Cap, Valve Stem	
104	1001258895	1	Tire 14 x 17.5 Non-Marking	
105	4641122	1	Valve	

FIGURE 1-17. TIRE AND WHEEL INSTALLATION - 33/16LL X 16.1 FOAM FILLED TURF (ANSI AND ANSI EXPORT SPECS)

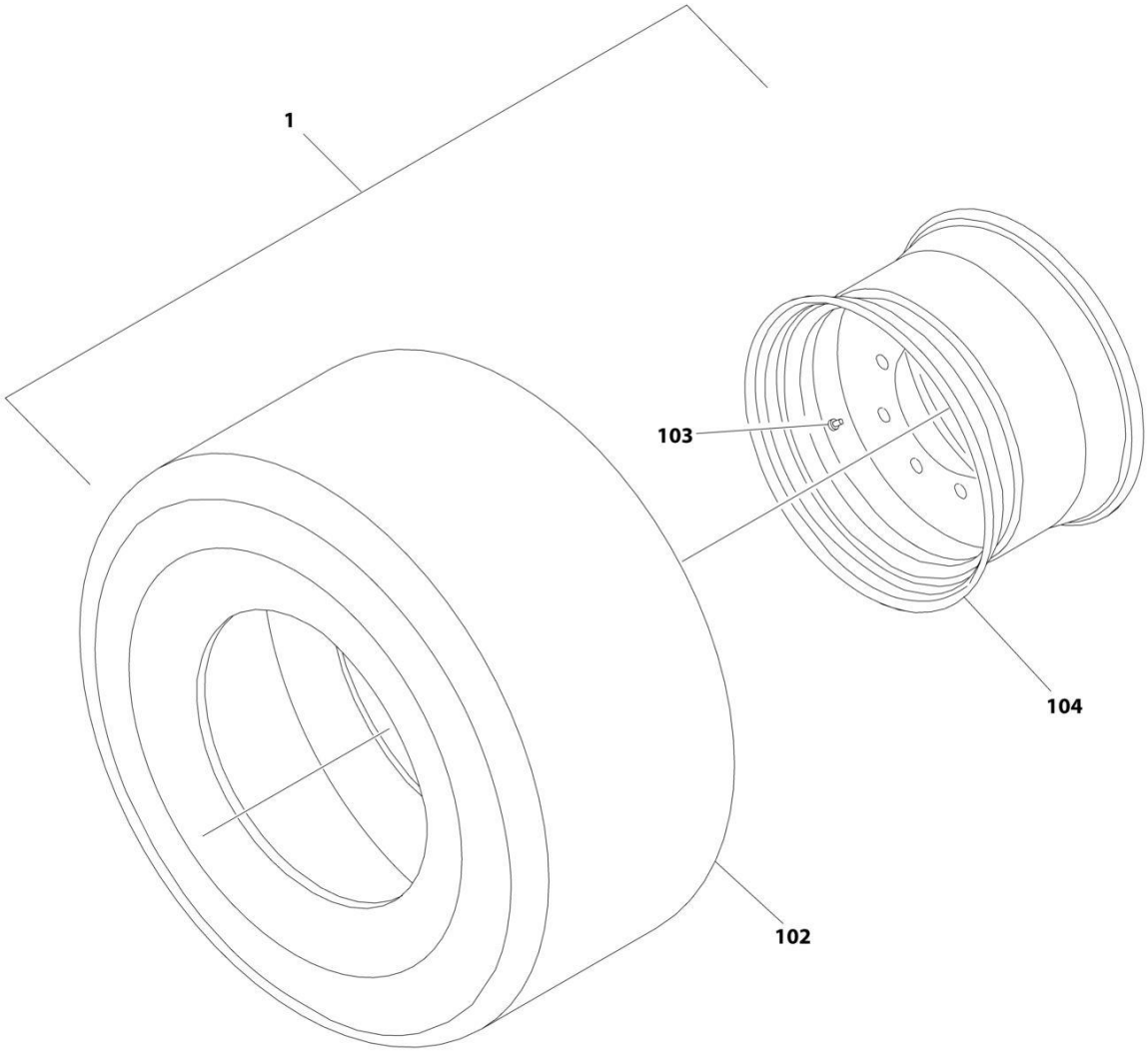


FIGURE 1-17. TIRE AND WHEEL INSTALLATION - 33/16LL X 16.1 FOAM FILLED TURF (ANSI AND ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269298	Ref	TIRE AND WHEEL INSTALLATION - 33/16LL X 16.1 FOAM FILLED TURF	A
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001269297	2	Tire and Wheel Assembly 33/16LL X 16.1	A
102	1300018	4	Tire - 33/16LL X 16.1	
103	4641122	4	Valve	
104	4860214	4	Rim, Wheel	

FIGURE 1-18. TIRE AND WHEEL INSTALLATION - 33 X 12 FOAM FILLED (ALL SPECS)

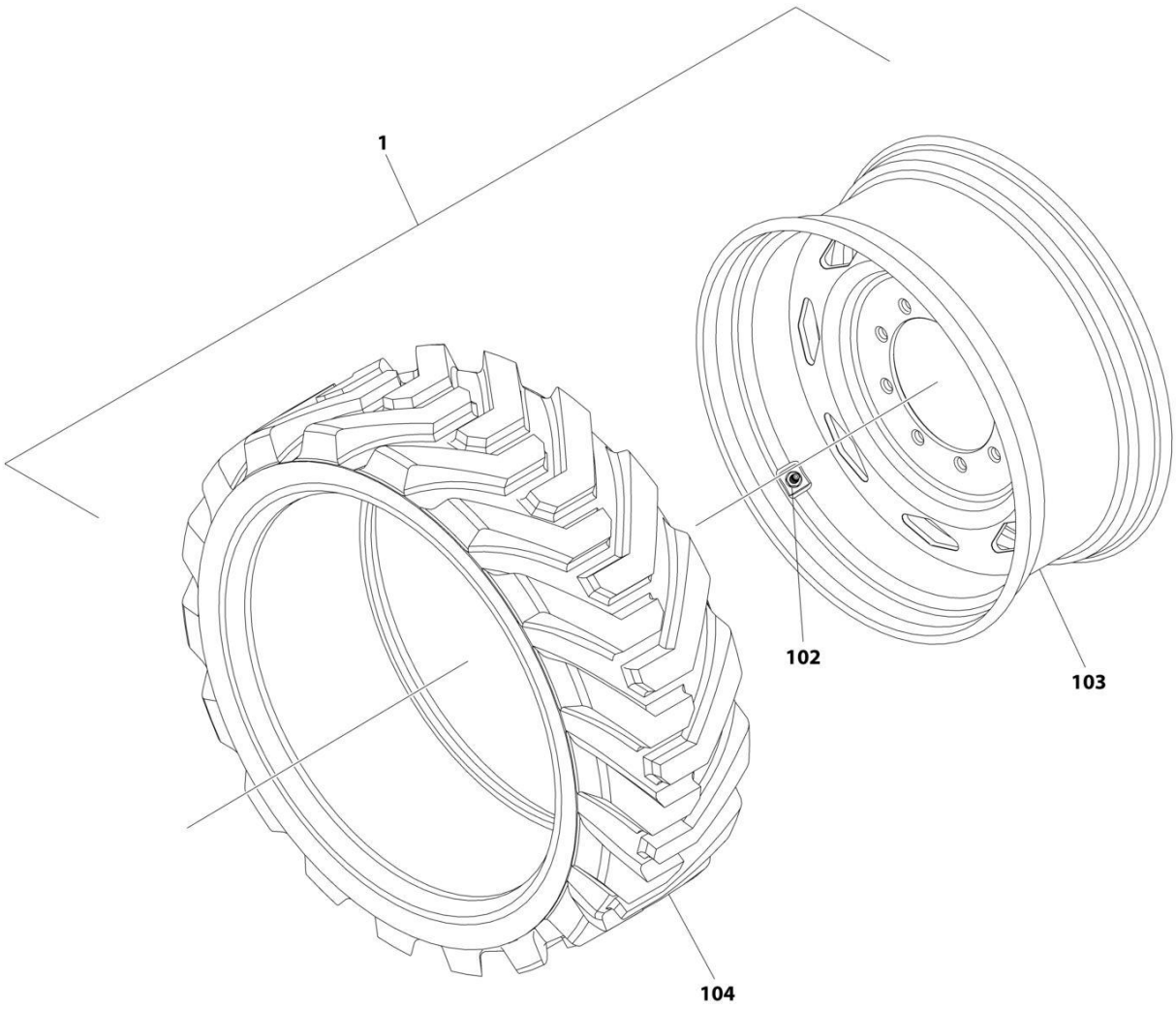


FIGURE 1-18. TIRE AND WHEEL INSTALLATION - 33 X 12 FOAM FILLED (ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245211	Ref	TIRE AND WHEEL INSTALLATION - 33 x 12D610 FOAM-FILLED	A
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.	
		Ref	Note: Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001245197	2	Tire and Wheel Assembly - 33 x 12 (RH Side)	
1	1001245198	2	Tire and Wheel Assembly - 33 x 12 (LH Side)	
102	4641122	1	Valve	
103	1001245195	1	Wheel	
104	1001245196	1	Tire - 33 x 12	

FIGURE 1-19. TOW BAR INSTALLATION

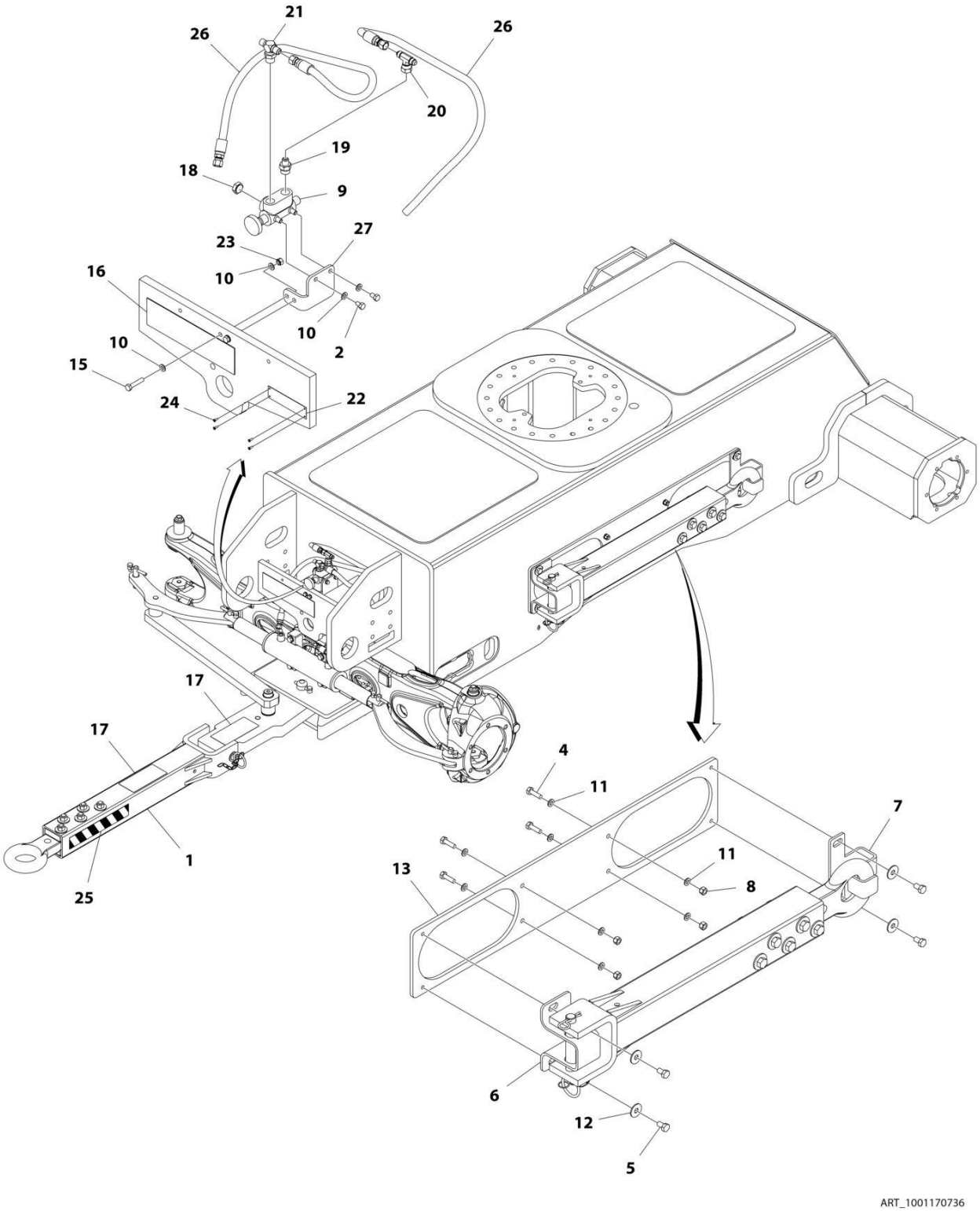


FIGURE 1-19. TOW BAR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170736	Ref	TOW BAR INSTALLATION	D
1	0363019	1	Tow Bar Assembly (See Separate Breakdown in this Section)	
2	0641504	2	Bolt 5/16 x 1/2	
4	0641612	4	Bolt 3/8 x 1-1/2	
5	0761210	4	Bolt M12 x 20	
6	0902733	1	Bracket, Storage (Front)	
7	0902734	1	Bracket, Storage (Rear)	
8	3311605	4	Nut 3/8	
9	4640261	1	Steer/Tow Select Valve	
10	4811900	6	Washer M8	
11	4891600	8	Washer 3/8	
12	4812102	4	Washer M12	
13	1001166478	1	Plate, Tow Bar Mount	
15	0760816	2	Bolt M8 x 40	
16	1702968	1	Decal - Towing Instructions	
17	1704578	3	Decal - Crushing	
18	2220238	1	Plug ORB	
19	2220372	1	Fitting, Straight JIC/ORB	
20	2220579	1	Fitting, Tee JIC/FSJIC/JIC	
21	2221052	1	Fitting, Tee JIC/ORB/JIC	
22	3250872	1	Nameplate, Steer/Tow Select Valve	
23	3290805	2	Nut M8 x 1.25	
24	3820001	4	Rivet	
25	4420051	48 in /1.21m	Tape, Safety	
26	1001181913	2	Hose	
27	1001182155	1	Bracket, Valve Mounting	

FIGURE 1-20. TOW BAR ASSEMBLY

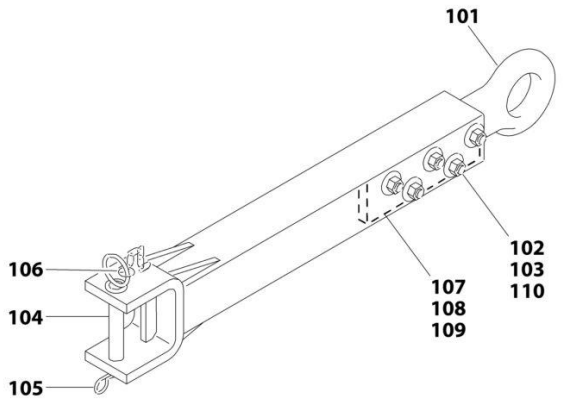


FIGURE 1-20. TOW BAR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0363019	Ref	TOW BAR ASSEMBLY	B
101	0360406	1	Pintle, Draw Eye	
102	0682040	5	Bolt 5/8 x 5	
103	3312005	5	Nut 5/8	
104	3420352	1	Pin, Towing	
105	3420372	1	Hairpin	
106	3760170	1	Ring, Split	
107	4070450	2	Shim (.07)	
108	4070560	2	Shim (.88)	
109	4070561	2	Shim (.12)	
110	4752000	10	Washer 5/8	

FIGURE 1-21. FRAME SHIELD INSTALLATION - WITHOUT TOW BAR

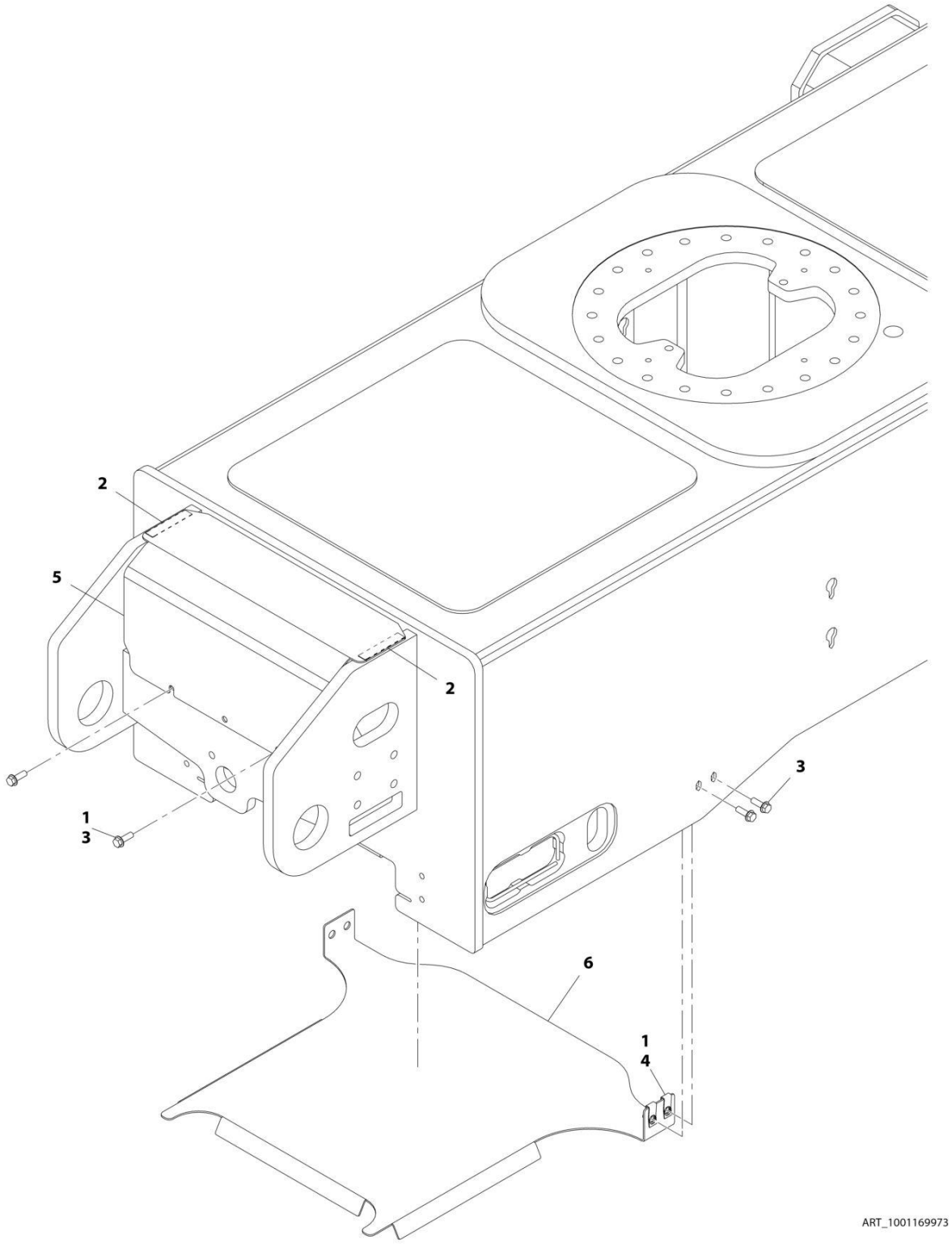


FIGURE 1-21. FRAME SHIELD INSTALLATION - WITHOUT TOW BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169973	Ref	FRAME SHIELD INSTALLATION - WITHOUT TOW BAR	E
1	0100011	AR	Compound, Locking	
2	4280296	8 in / 20.3cm	Strip, Wear	
3	5251014	6	Bolt M10 x 30	
4	1001118972	4	Nut M10 x 1.5	
5	1001169086	1	Plate, Cover	
6	1001169955	1	Plate, Valve Cover	

FIGURE 1-22. FRAME SHIELD INSTALLATION - WITH TOW BAR

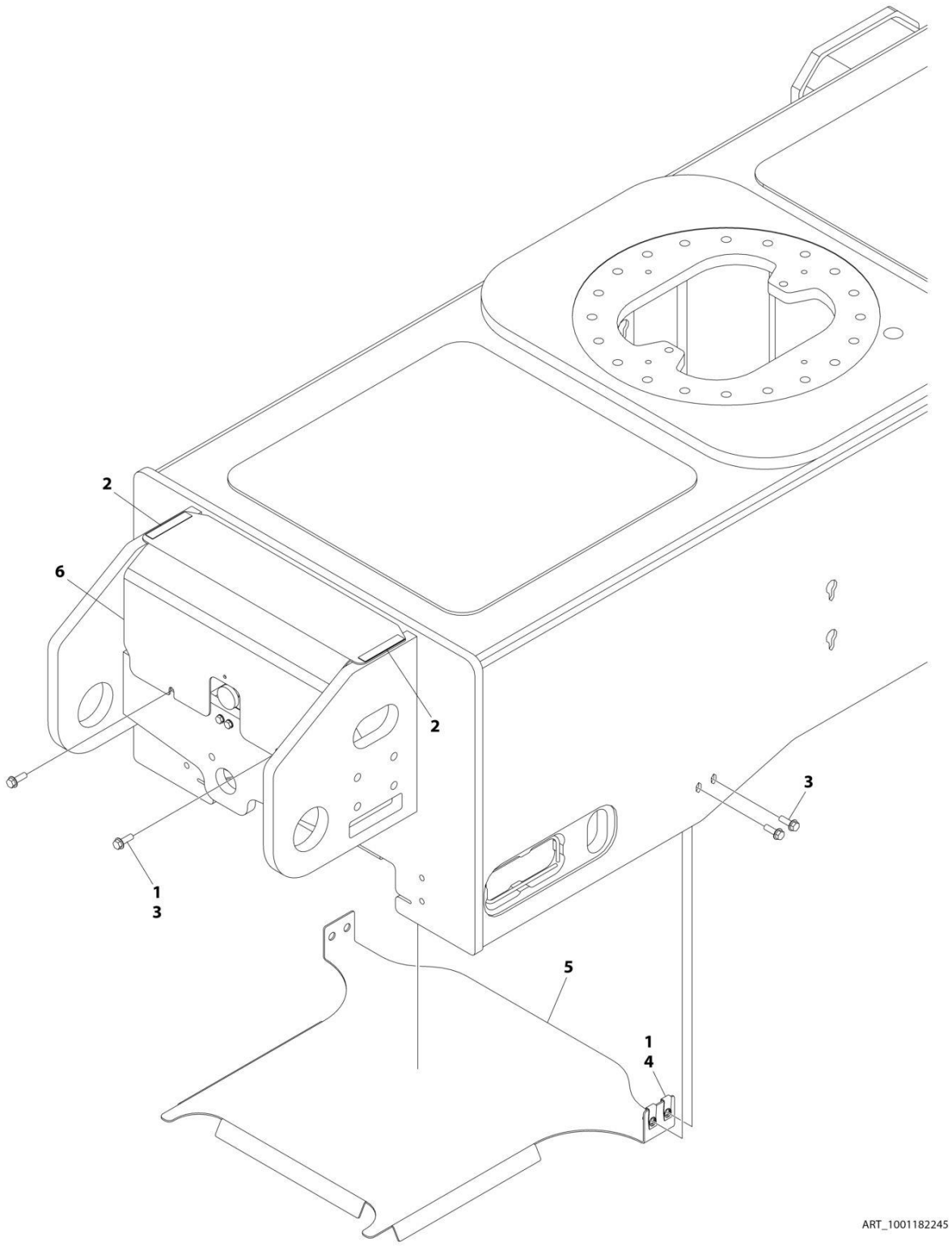


FIGURE 1-22. FRAME SHIELD INSTALLATION - WITH TOW BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182245	Ref	FRAME SHIELD INSTALLATION - WITH TOW BAR	C
1	0100011	AR	Compound, Locking	
2	4280296	8 in / 20.3cm	Strip, Wear	
3	5251014	6	Bolt M10 x 30	
4	1001118972	4	Nut M10 x 1.5	
5	1001169955	1	Plate, Valve Cover	
6	1001182250	1	Plate, Cover	

FIGURE 1-23. LP TANK BRACKETS INSTALLATION

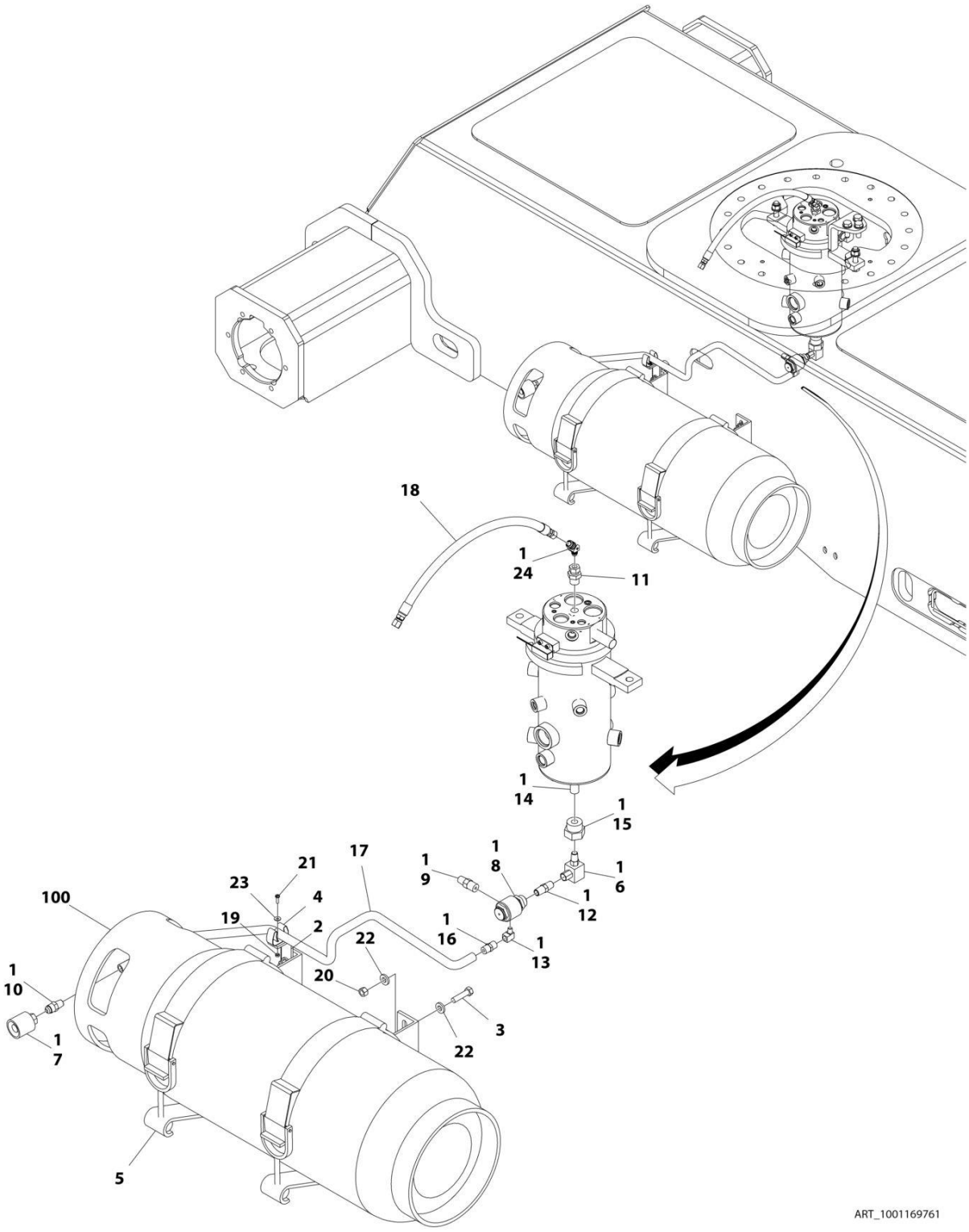


FIGURE 1-23. LP TANK BRACKETS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169761	Ref	LP TANK BRACKETS INSTALLATION	E
1	0100020	AR	Sealant, Pipe	
2	0181949	1	Angle, Support	
4	1320218	1	Clamp	
5	1320220	1	Clamp	
6	2180125	1	Fitting, Swivel 90	
7	2180387	1	Fitting, Straight	
8	2180388	1	Fitting, Bulkhead	
9	2180389	1	Valve, Relief	
10	2180418	1	Fitting, Straight	
11	2220005	1	Fitting, Straight	
12	2220261	1	Fitting, Nipple	
13	2220648	1	Fitting, 90 FNPTF/NPTF	
14	2221018	1	Nipple, Pipe	
15	2221019	1	Fitting, Reducer	
16	2221024	1	Fitting, Nipple	
17	2720144	1	Hose	
18	2720392	1	Hose	
19	3290401	1	Nut M4 x 0.7	
21	3900332	1	Screw M4 x 14	
23	1001091102	1	Washer	
24	1001239802	1	Fitting, 45	
25	3311601	4	Nut 3/8	
26	4891600	8	Washer 3/8	
27	0641612	4	Bolt 3/8 x 1-1/2	
100	4400275	1	Tank, LP 43.5 Lbs (Aluminum)	

SECTION 2 - TURNTABLE

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

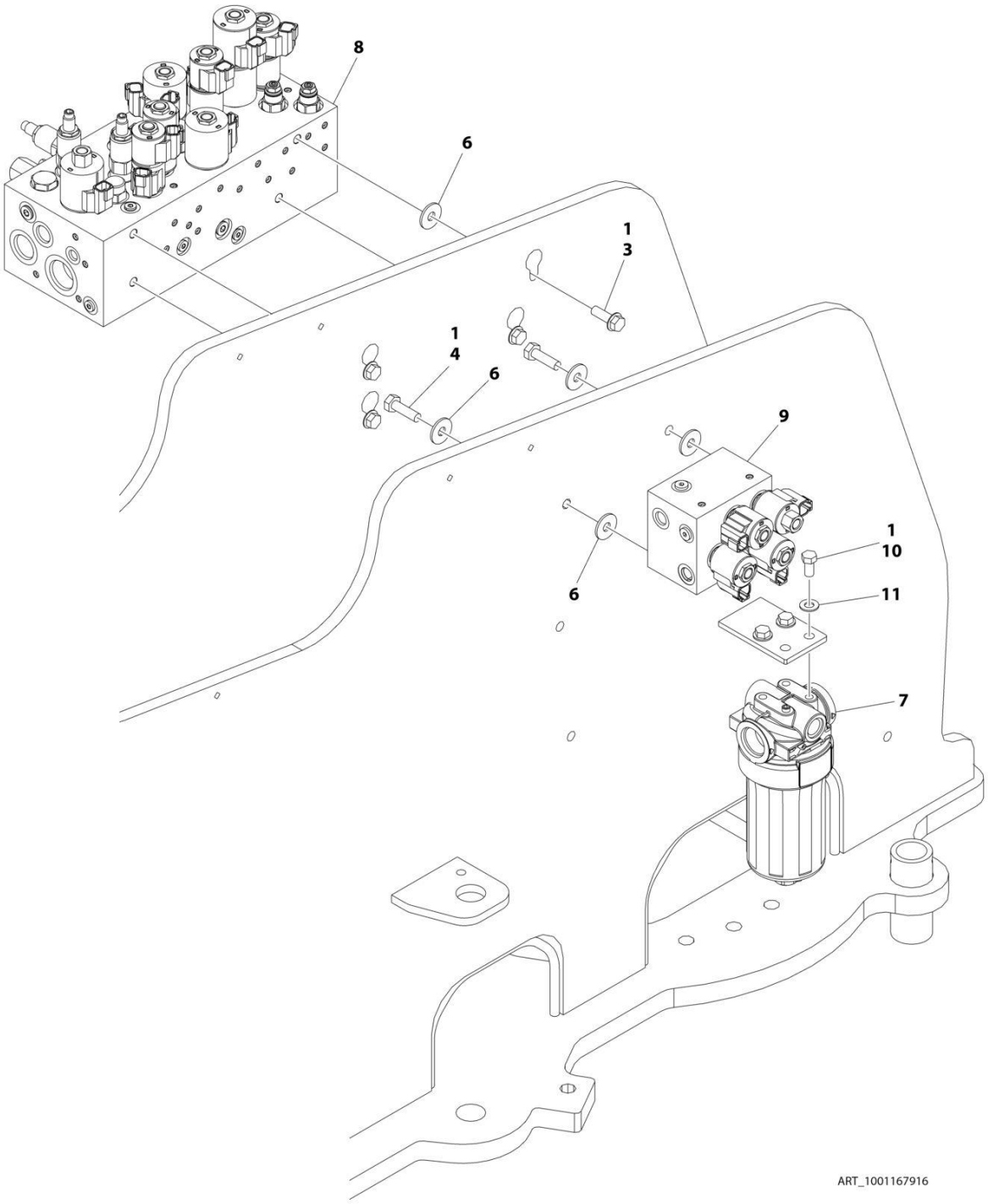


FIGURE 2-1. CONTROL VALVES INSTALLATION (400S)

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 (460SJ)

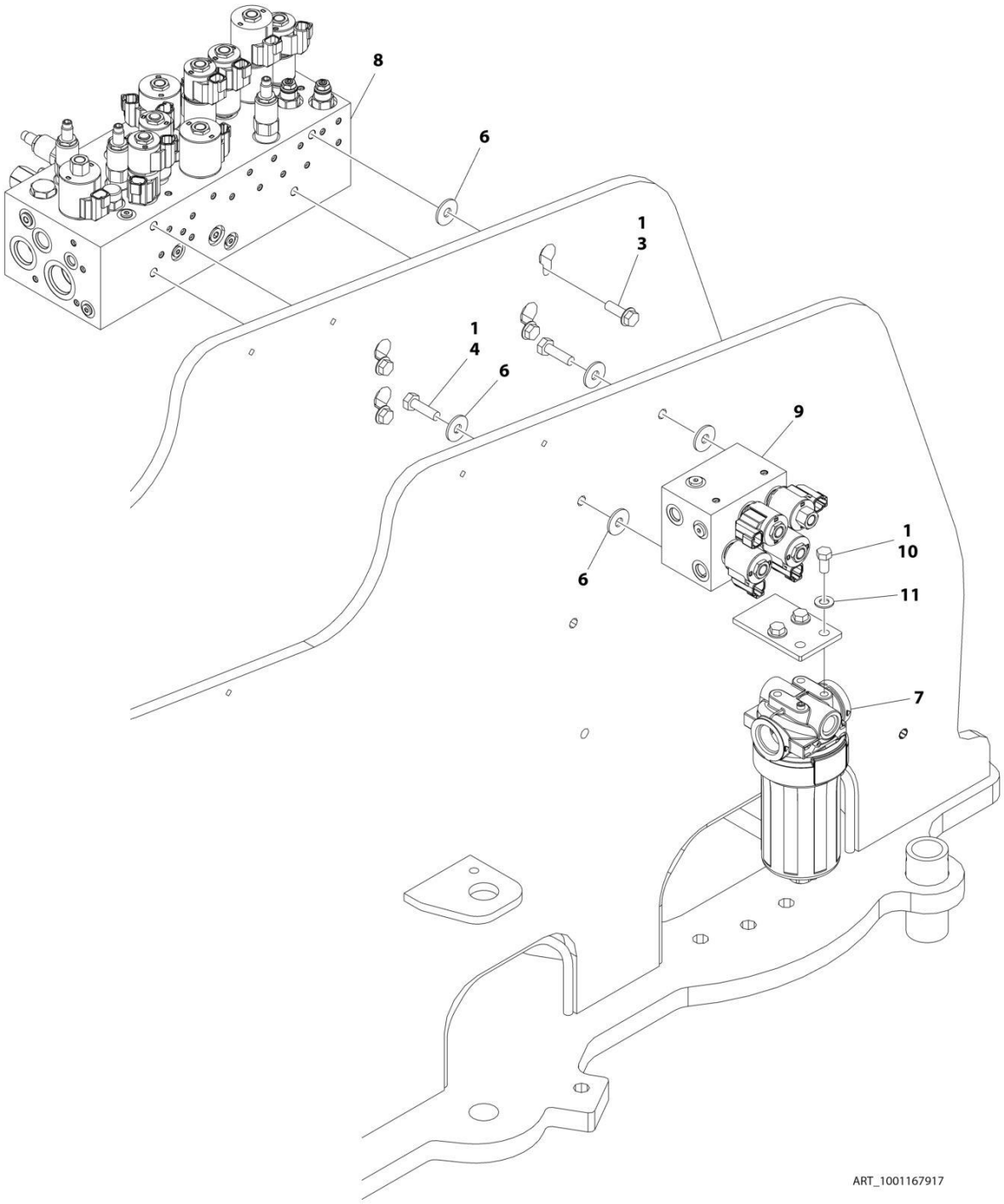


FIGURE 2-2. CONTROL VALVES INSTALLATION (460SJ)

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. CONTROL VALVES INSTALLATION - 1K45FT (460SJ)

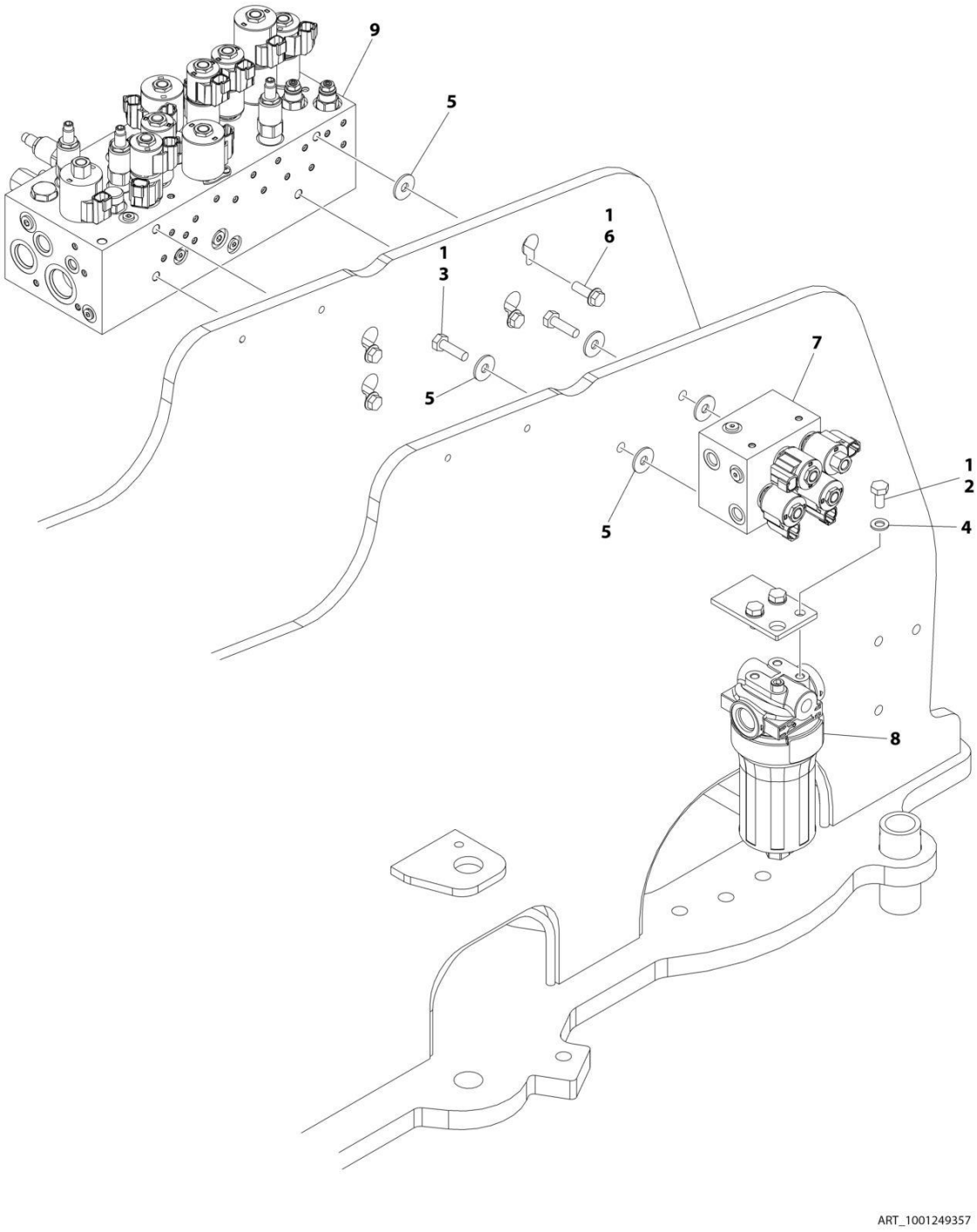


FIGURE 2-3. CONTROL VALVES INSTALLATION - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249357	Ref	CONTROL VALVES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0761010	3	Bolt M10 x 20	
3	0761015	2	Bolt M10 x 35	
4	4812000	3	Washer M10	
5	4812002	8	Washer M10	
6	5251014	4	Bolt M10 x 30	
7	1001162538	1	Axle Valve Assembly (See Separate Breakdown in this Section)	
8	1001208874	1	Filter, Charge Pump	
8	70010383	1	Element, Filter Charge Pump (Includes O-Ring)	
9	1001249356	1	Main Valve Assembly (See Separate Breakdown in this Section)	

FIGURE 2-4. MAIN VALVE ASSEMBLY (400S)

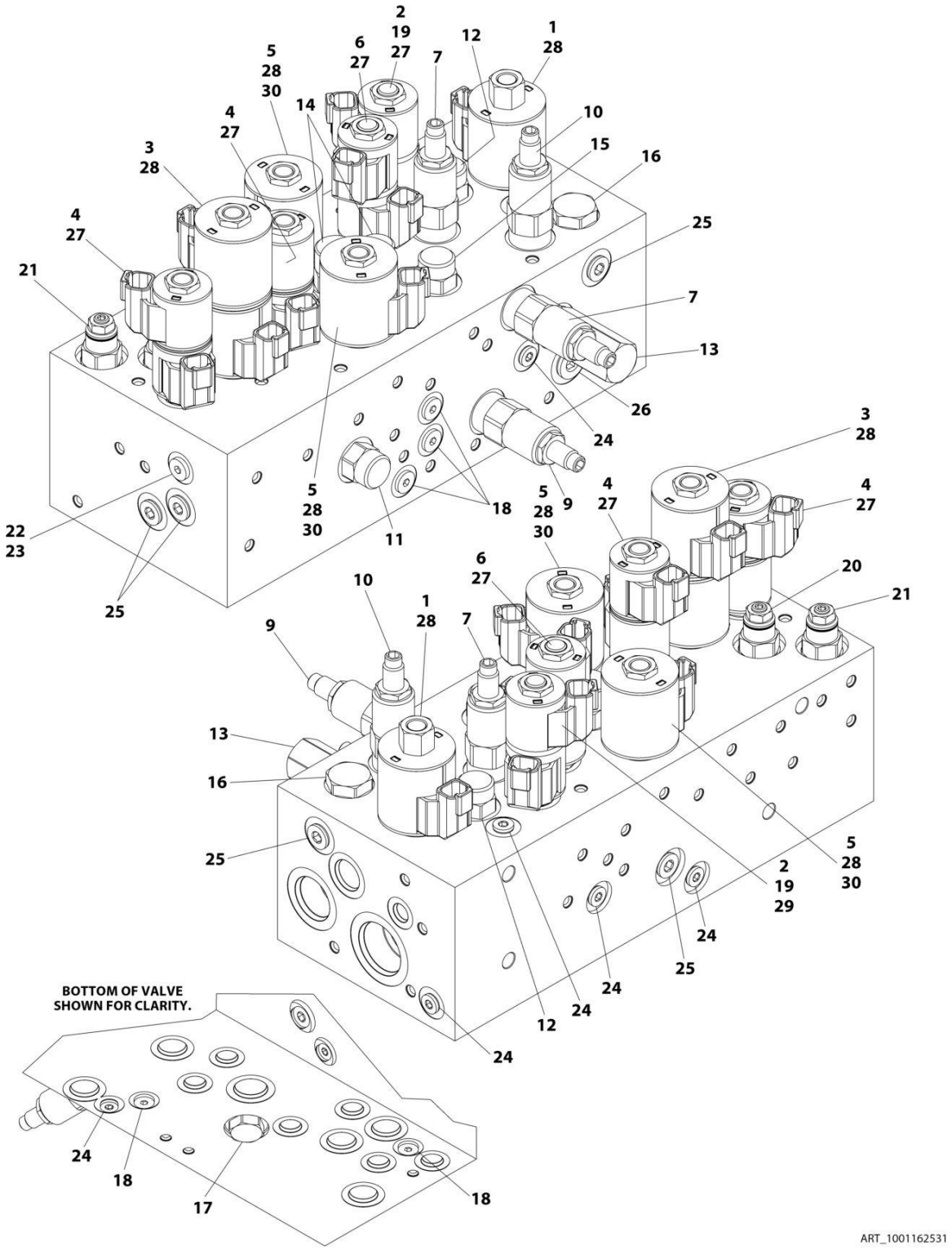


FIGURE 2-4. MAIN VALVE ASSEMBLY (400S)

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 2-5. MAIN VALVE ASSEMBLY (460SJ)

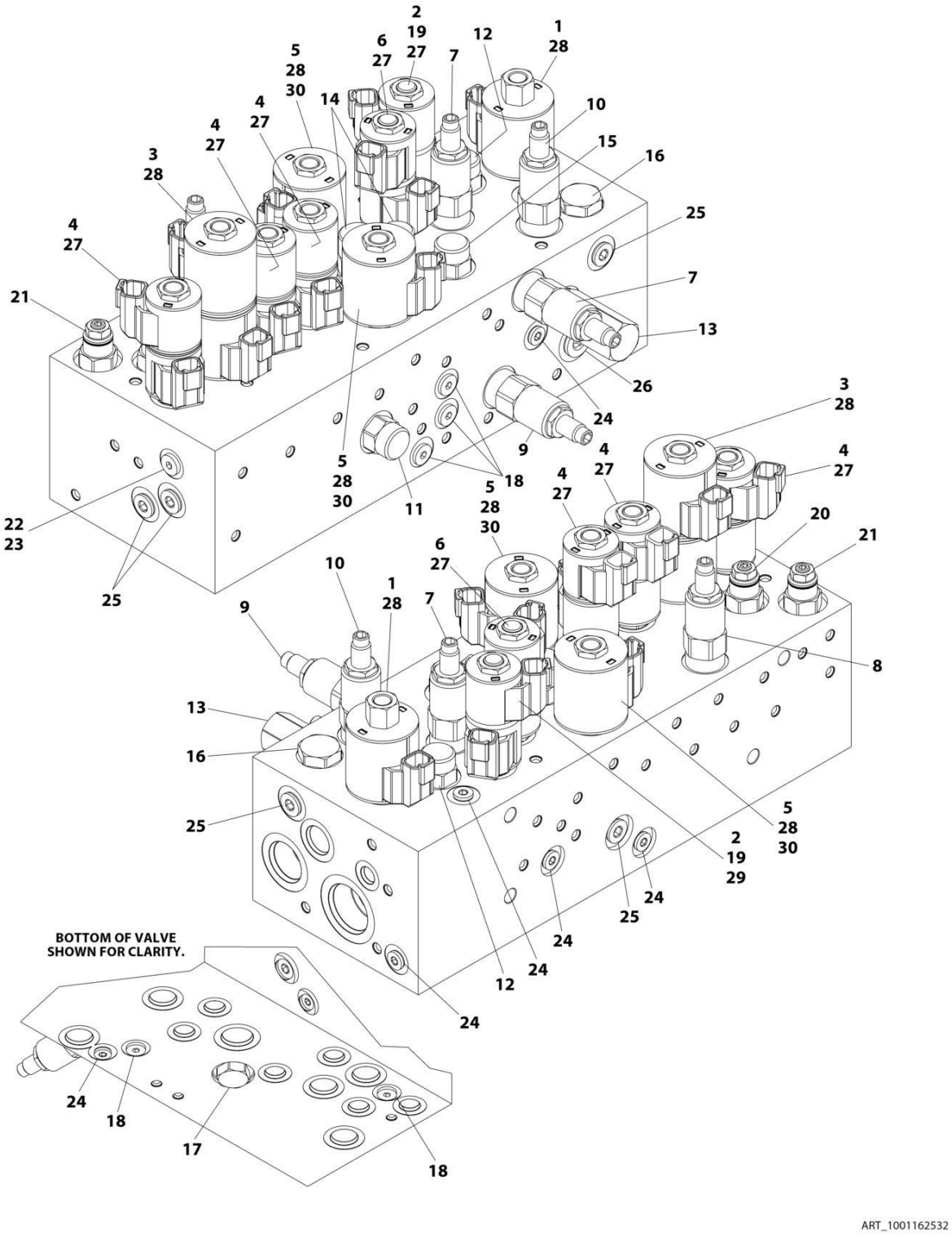


FIGURE 2-5. MAIN VALVE ASSEMBLY (460SJ)

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 2-6. MAIN VALVE ASSEMBLY - 1K45FT (460SJ)

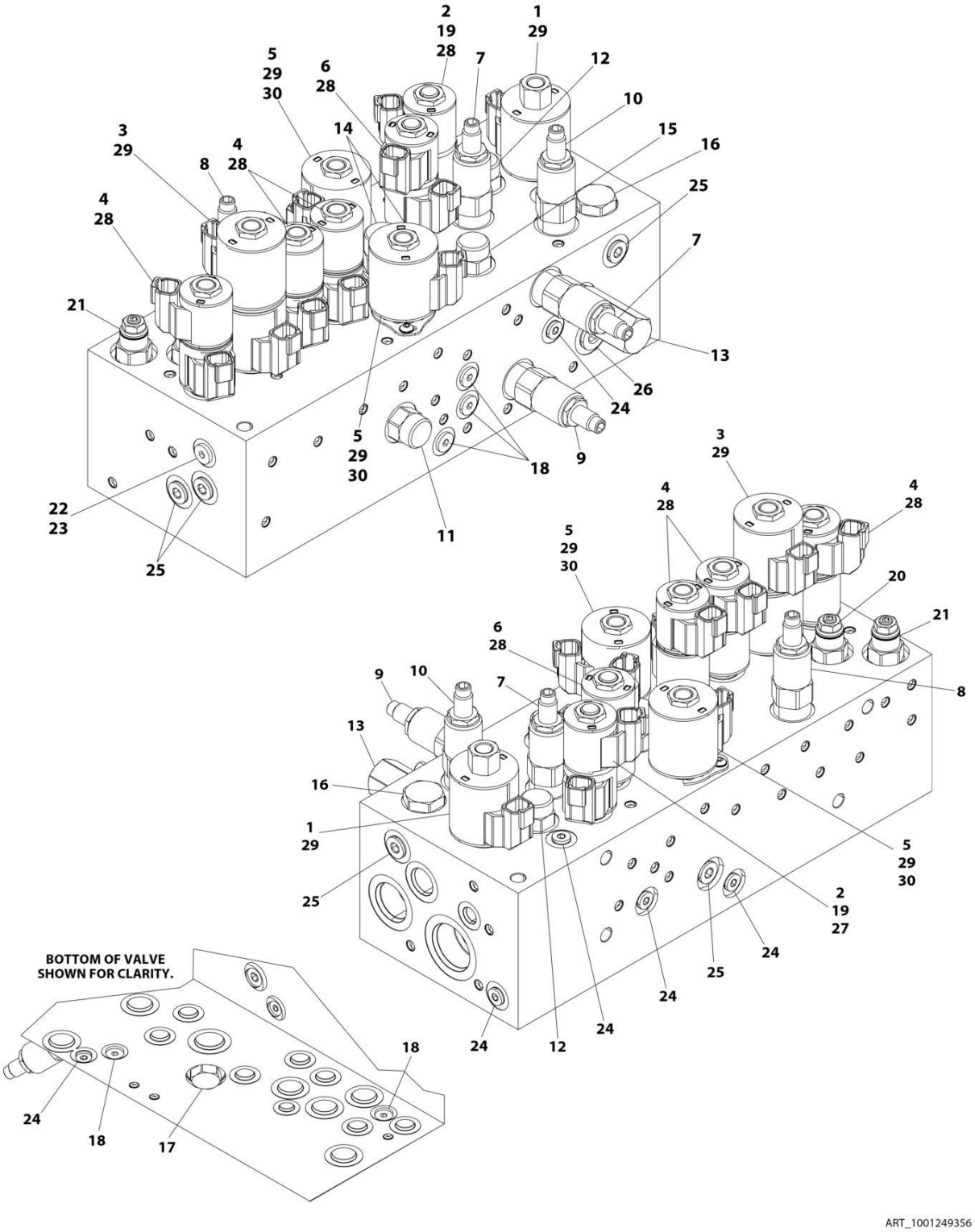


FIGURE 2-6. MAIN VALVE ASSEMBLY - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249356	Ref	MAIN VALVE ASSEMBLY	B
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 and Rotate)	
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	70005097	1	Cartridge, Relief Valve	
7	70005082	1	Seal Kit - 70005097 Valve	
8	70005093	1	Cartridge Relief 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	10740145	1	Cartridge, Valve	
20	2900770	1	Seal Kit - 70005108 Valve	
21	70005109	1	Cartridge, Valve	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	70005219	2	Coil	
28	70002386	8	Coil	
29	70003788	5	Coil	
30	70005724	2	Lockdown Kit	

FIGURE 2-7. AXLE VALVE ASSEMBLY

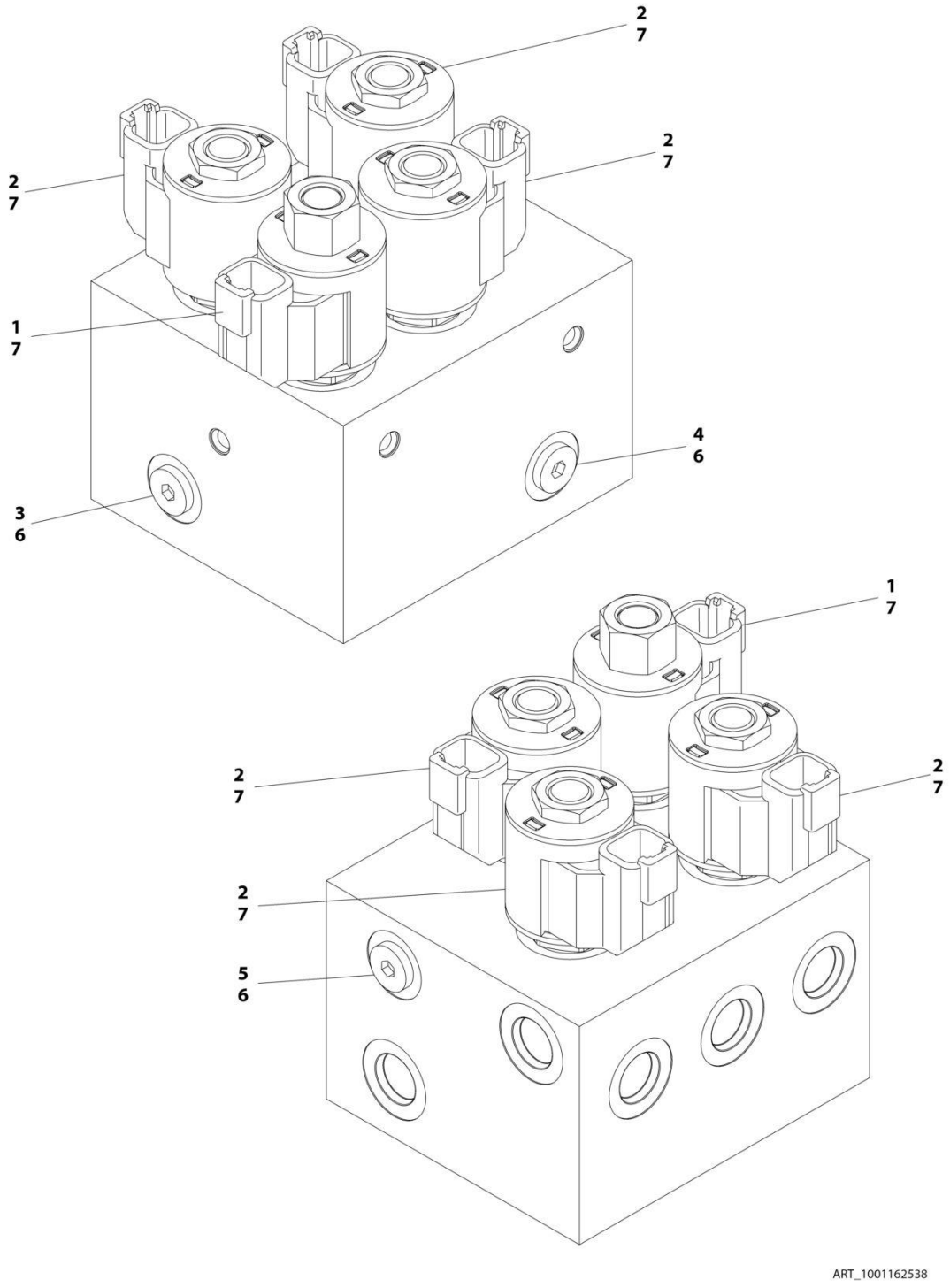


FIGURE 2-7. AXLE VALVE ASSEMBLY

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 2-8. AUXILIARY PUMP AND BATTERY WITH DISCONNECT SWITCH INSTALLATION

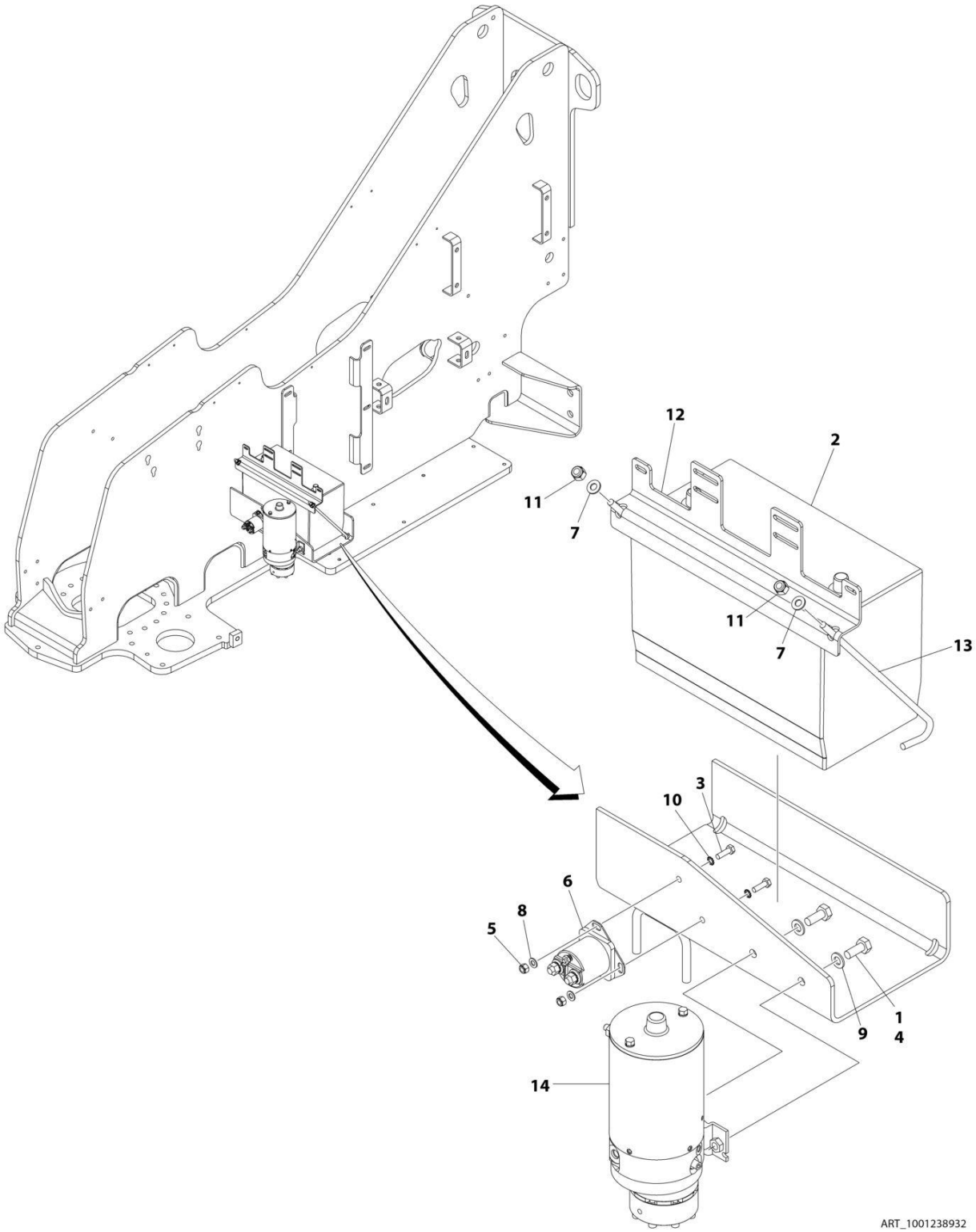


FIGURE 2-8. AUXILIARY PUMP AND BATTERY WITH DISCONNECT SWITCH INSTALLATION

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 2-9. AUXILIARY PUMP AND BATTERY INSTALLATION

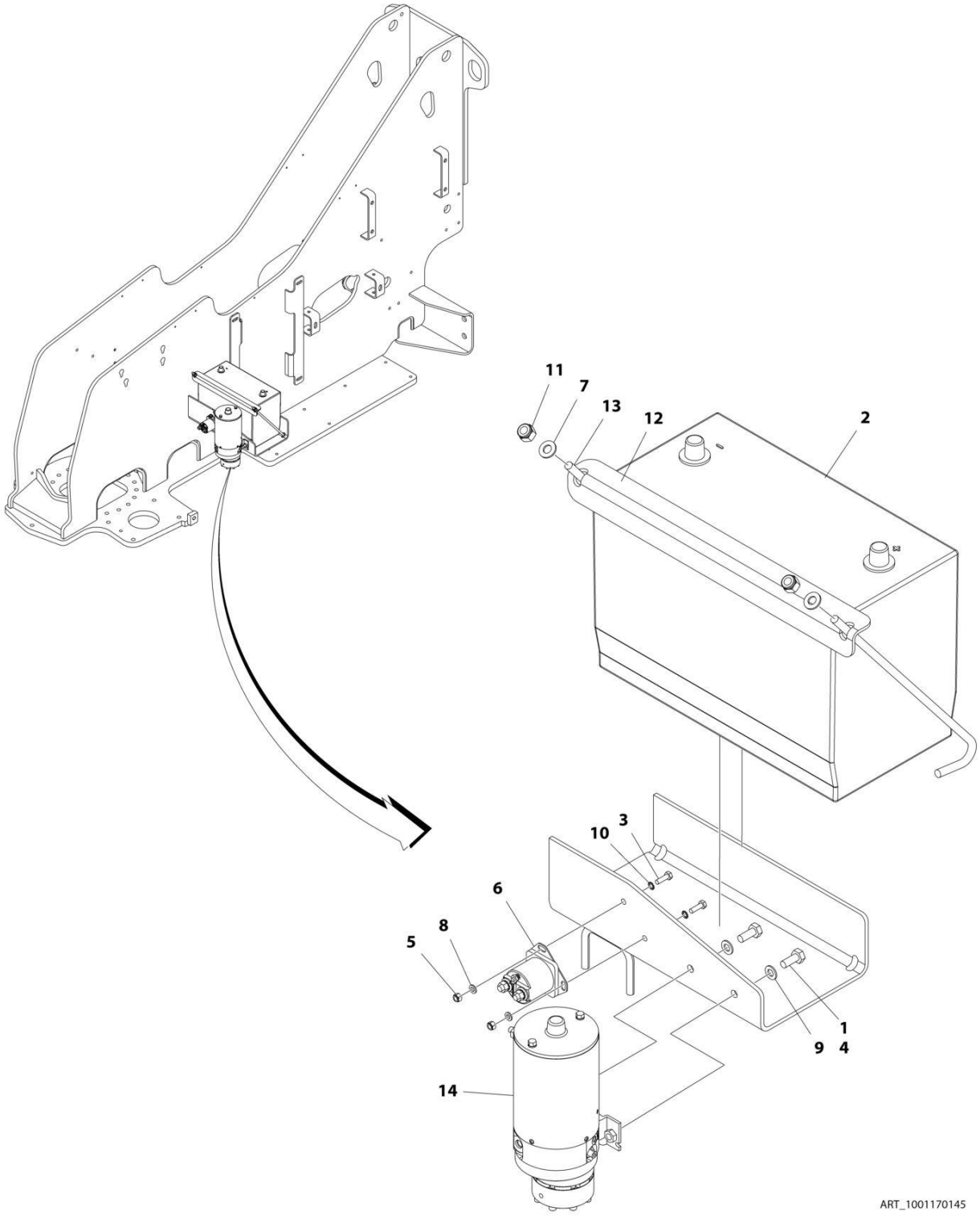


FIGURE 2-9. AUXILIARY PUMP AND BATTERY INSTALLATION

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 2-10. AUXILIARY PUMP ASSEMBLY

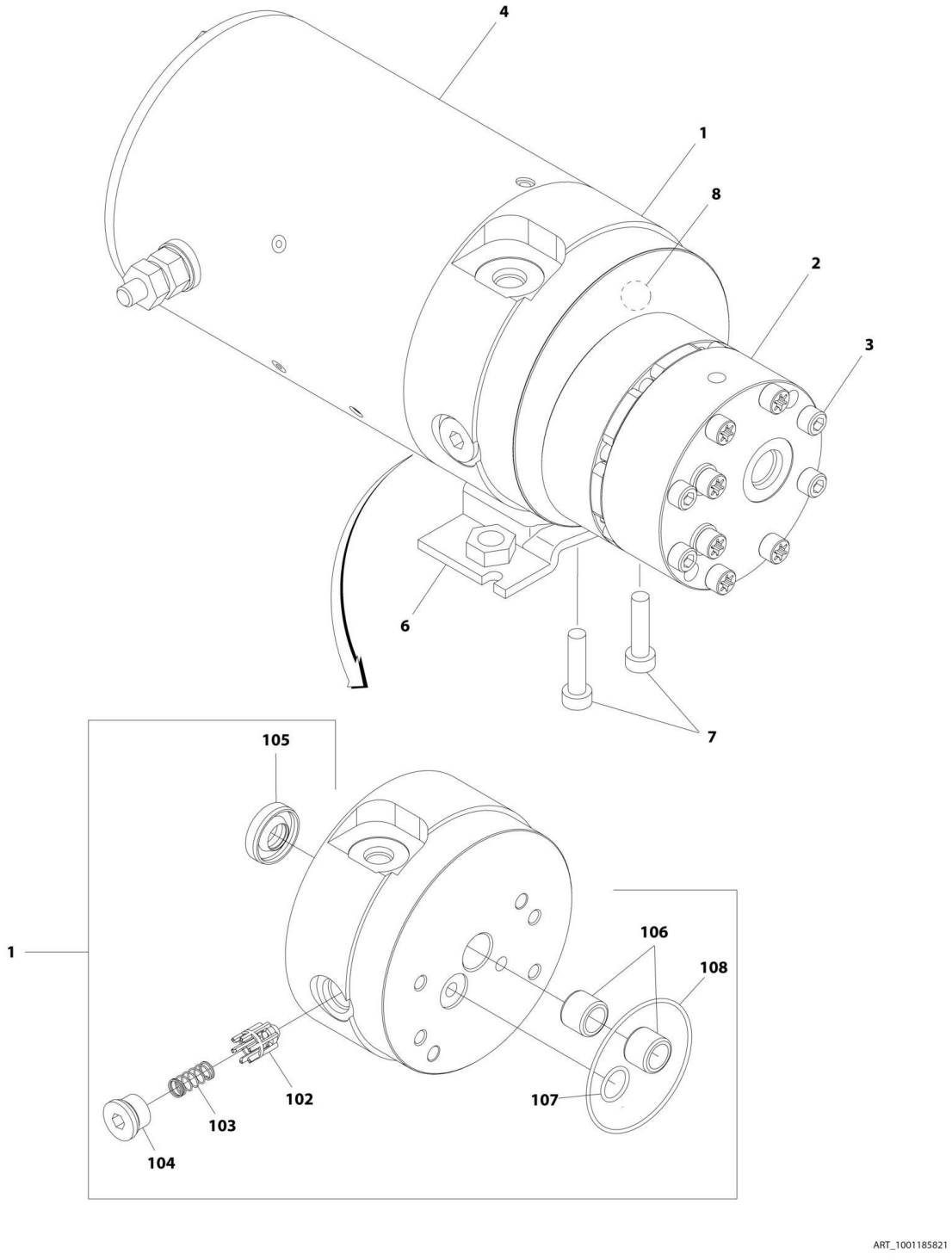


FIGURE 2-10. AUXILIARY PUMP ASSEMBLY

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 2-11. ROTARY COUPLING INSTALLATION

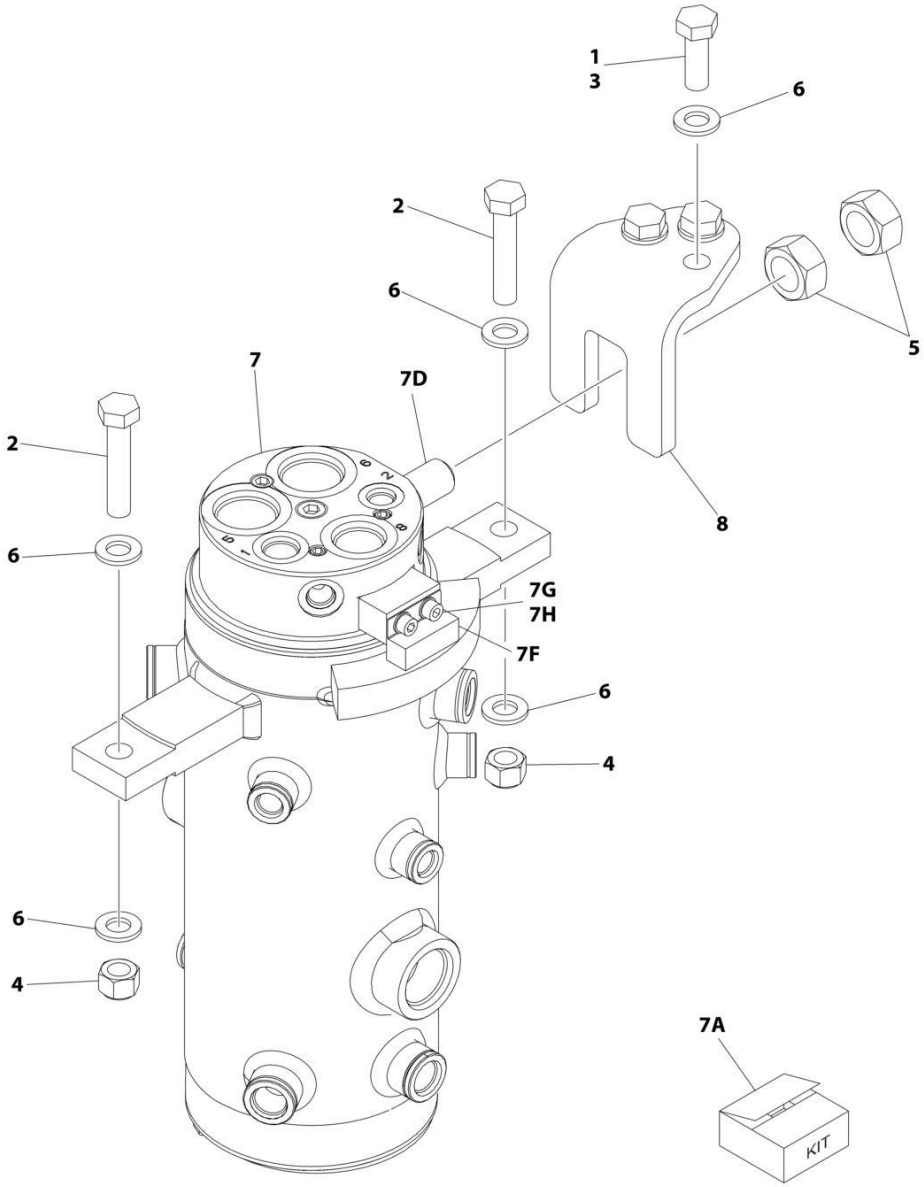


FIGURE 2-11. ROTARY COUPLING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168855	Ref	ROTARY COUPLING INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0701220	2	Bolt M12 x 60	
3	0761215	3	Bolt M12 x 35	
4	3291201	2	Nut M12	
5	3292001	2	Nut M20	
6	4812100	7	Washer M12	
7	1001188334	1	Rotary Coupling Assembly	
7A	70005716	1	Seal Kit - 1001188334 Coupling	
7B	70005710	1	Spacer (Not Shown)	
7C	70005711	1	Spacer (Not Shown)	
7D	70005712	1	Threaded Spigot	
7E	70005713	1	Circlip (Not Shown)	
7F	4360517	1	Switch, Proximity	
7G	70005714	1	Bolt	
7H	70005715	1	Washer	
8	1001169185	1	Mount	
9	2220238	1	Fitting, Plug ORB (Not Shown)	

FIGURE 2-12. SWING DRIVE INSTALLATION

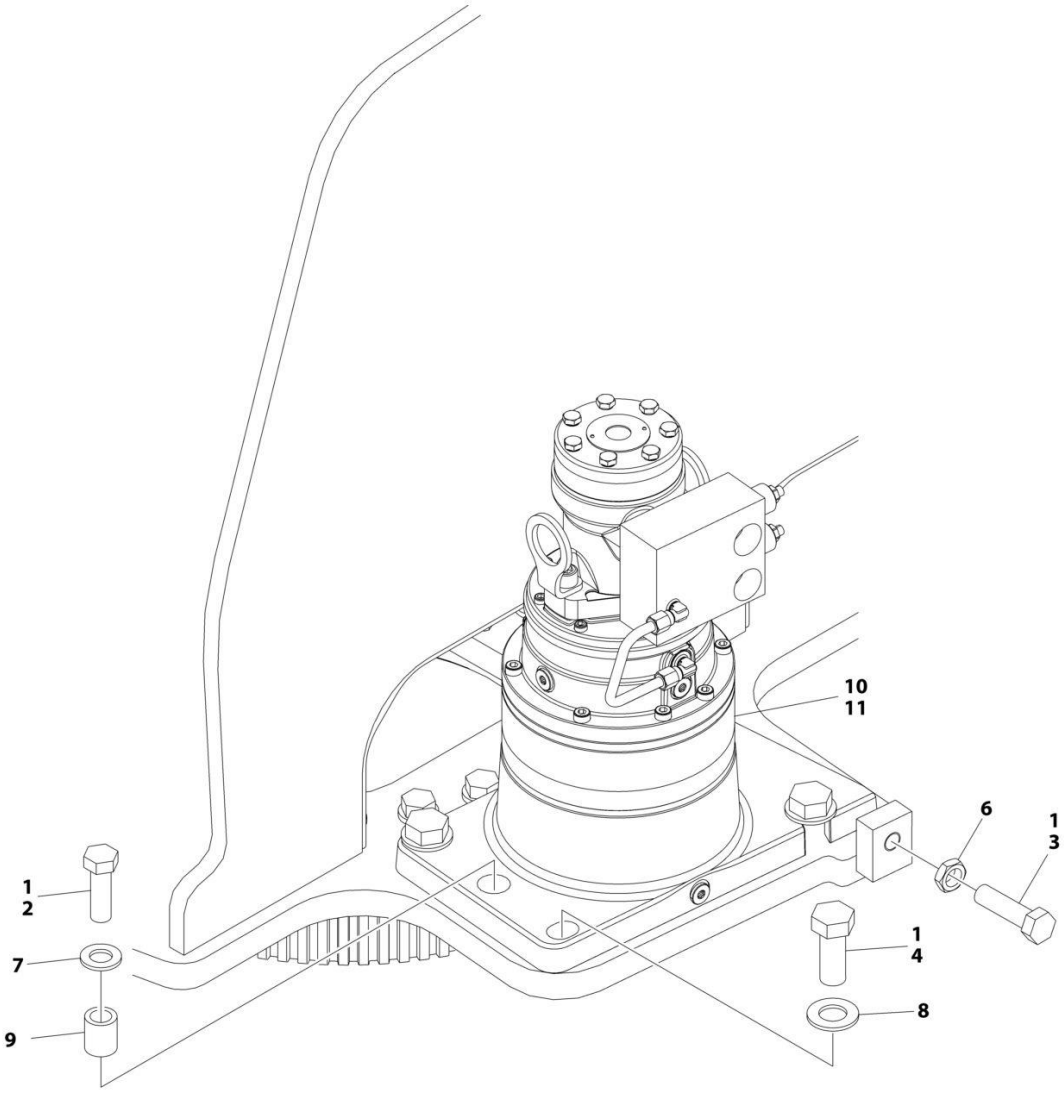
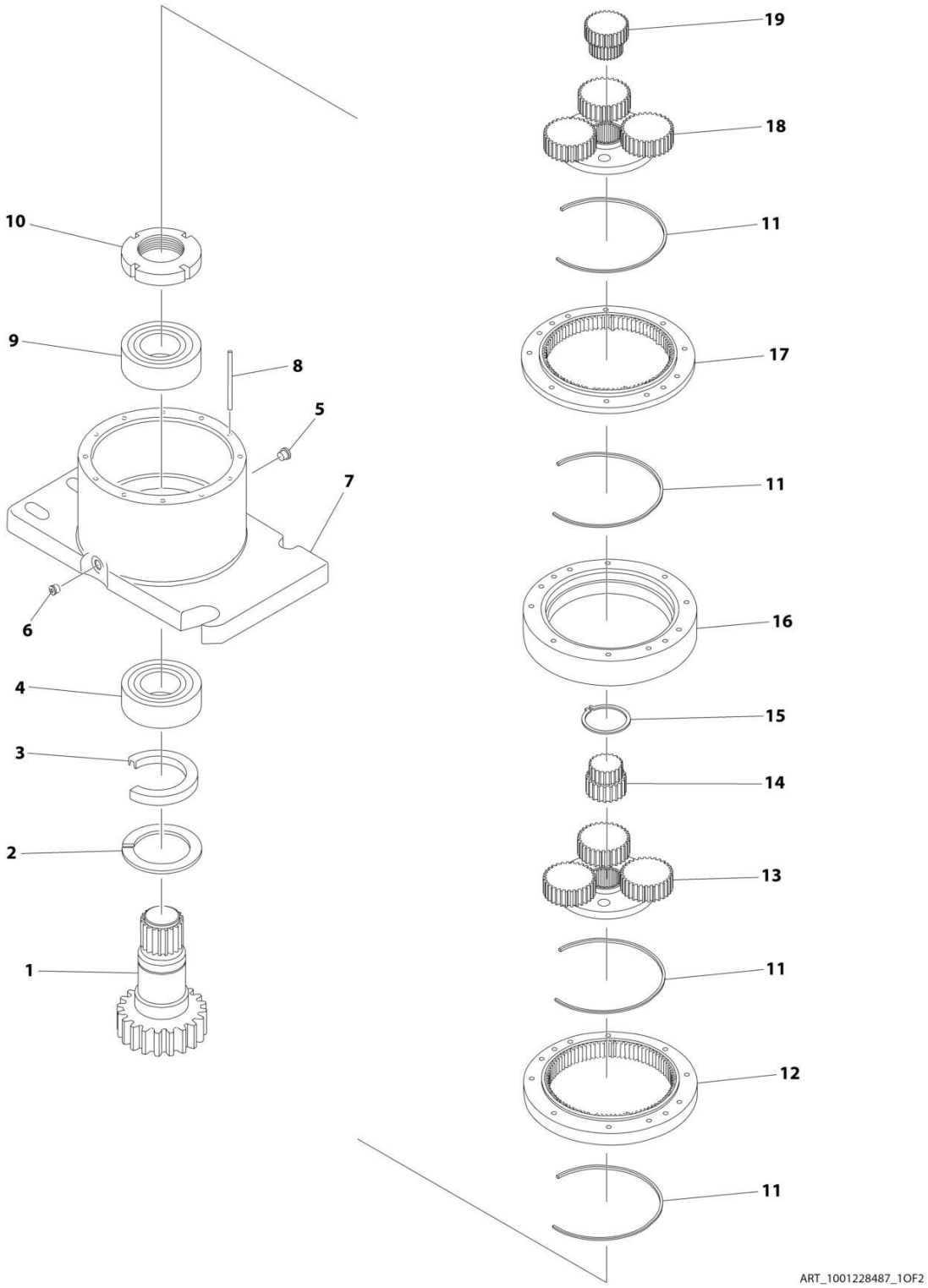
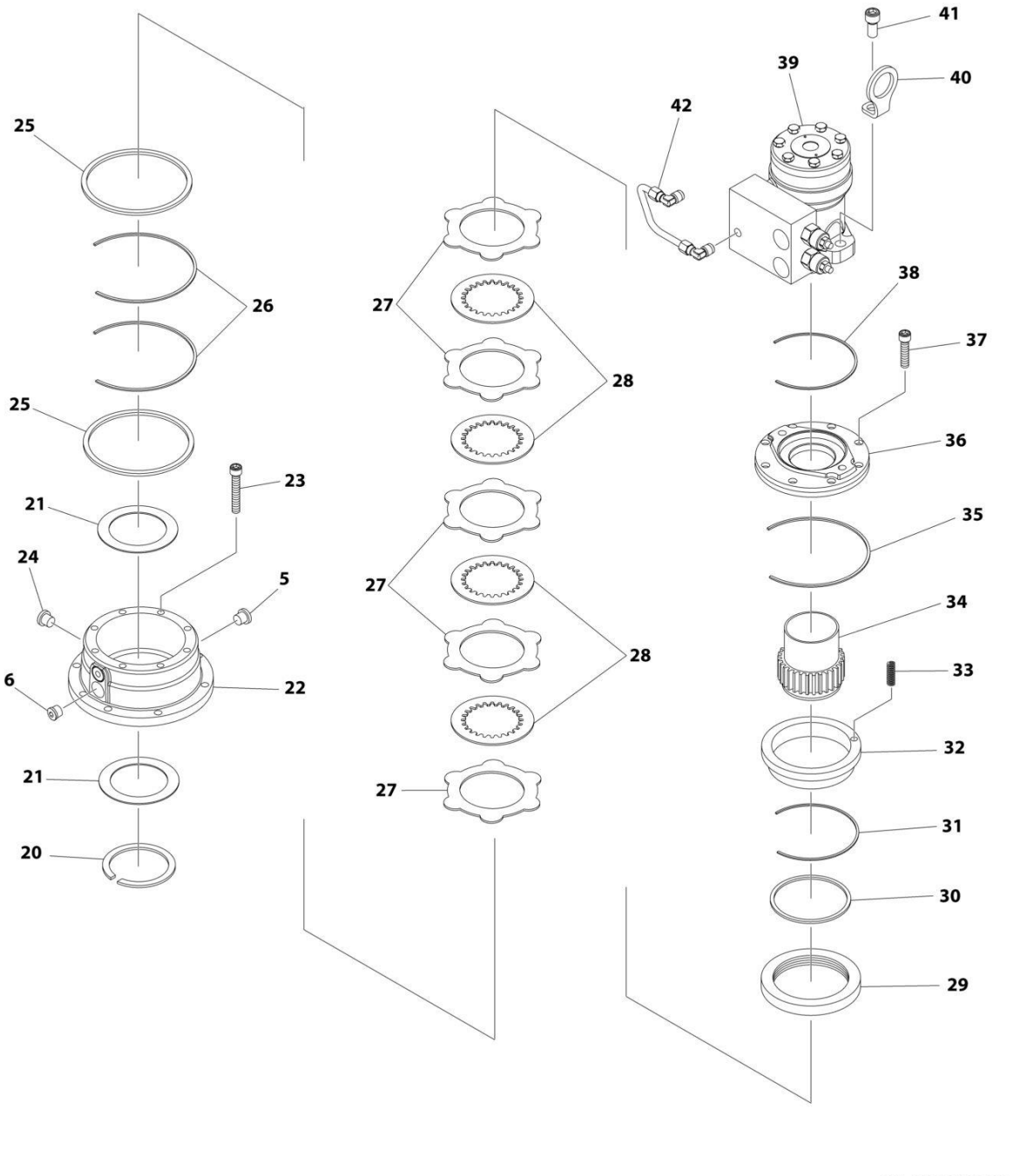


FIGURE 2-12. SWING DRIVE INSTALLATION

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 2-13. SWING HUB/MOTOR ASSEMBLY

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ART_1001228487_2OF2

FIGURE 2-13. 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 2-14. TURNTABLE BEARING INSTALLATION

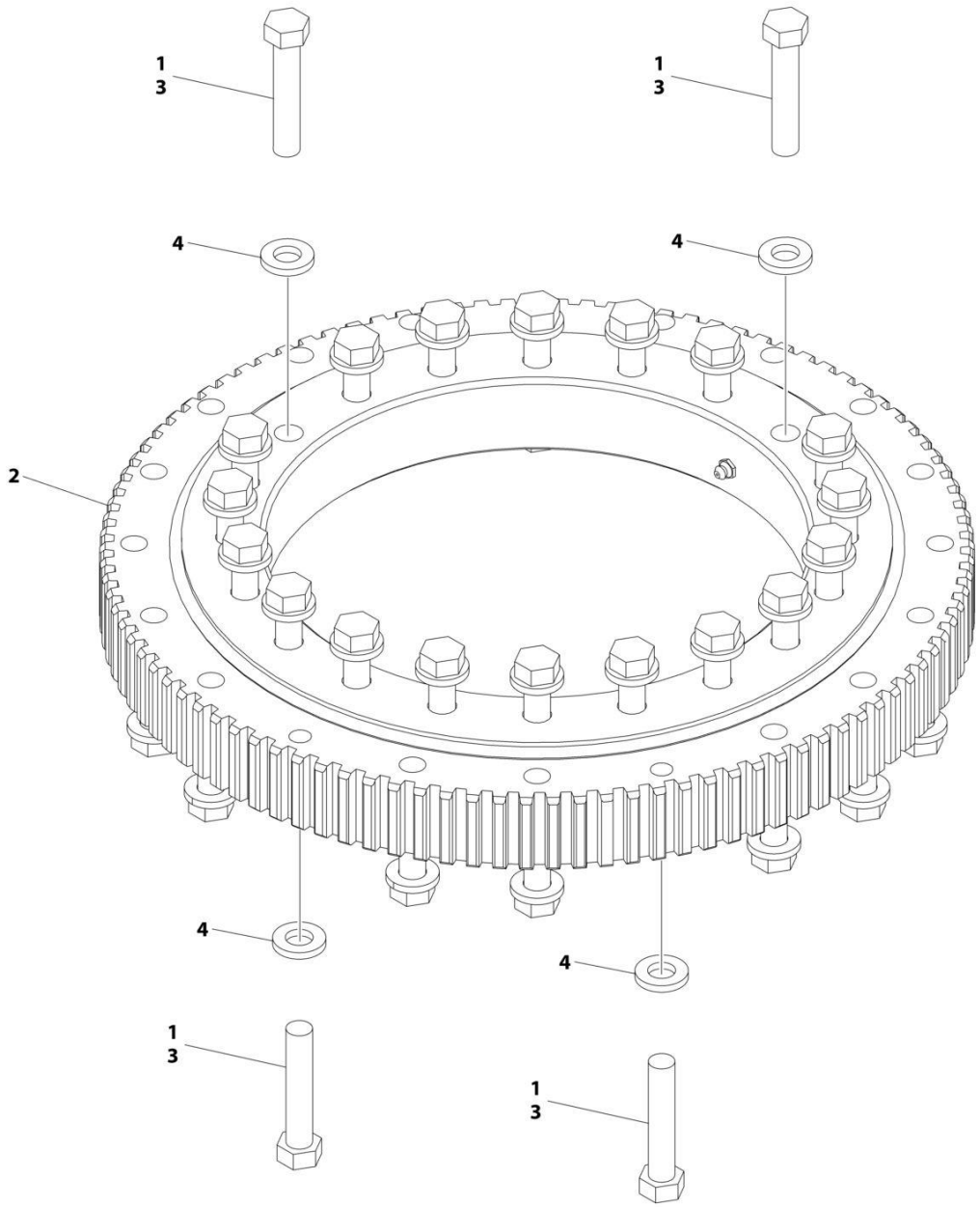


FIGURE 2-14. TURNTABLE BEARING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168992	Ref	TURNTABLE BEARING INSTALLATION	A
1	0100019	AR	Compound, Locking	
2	0440240	1	Bearing, Turntable	
3	0682026	40	Bolt 5/8 x 3-1/4 Grade 8	
4	4892000	40	Washer 5/8	

FIGURE 2-15. BEARING LUBE INSTALLATION

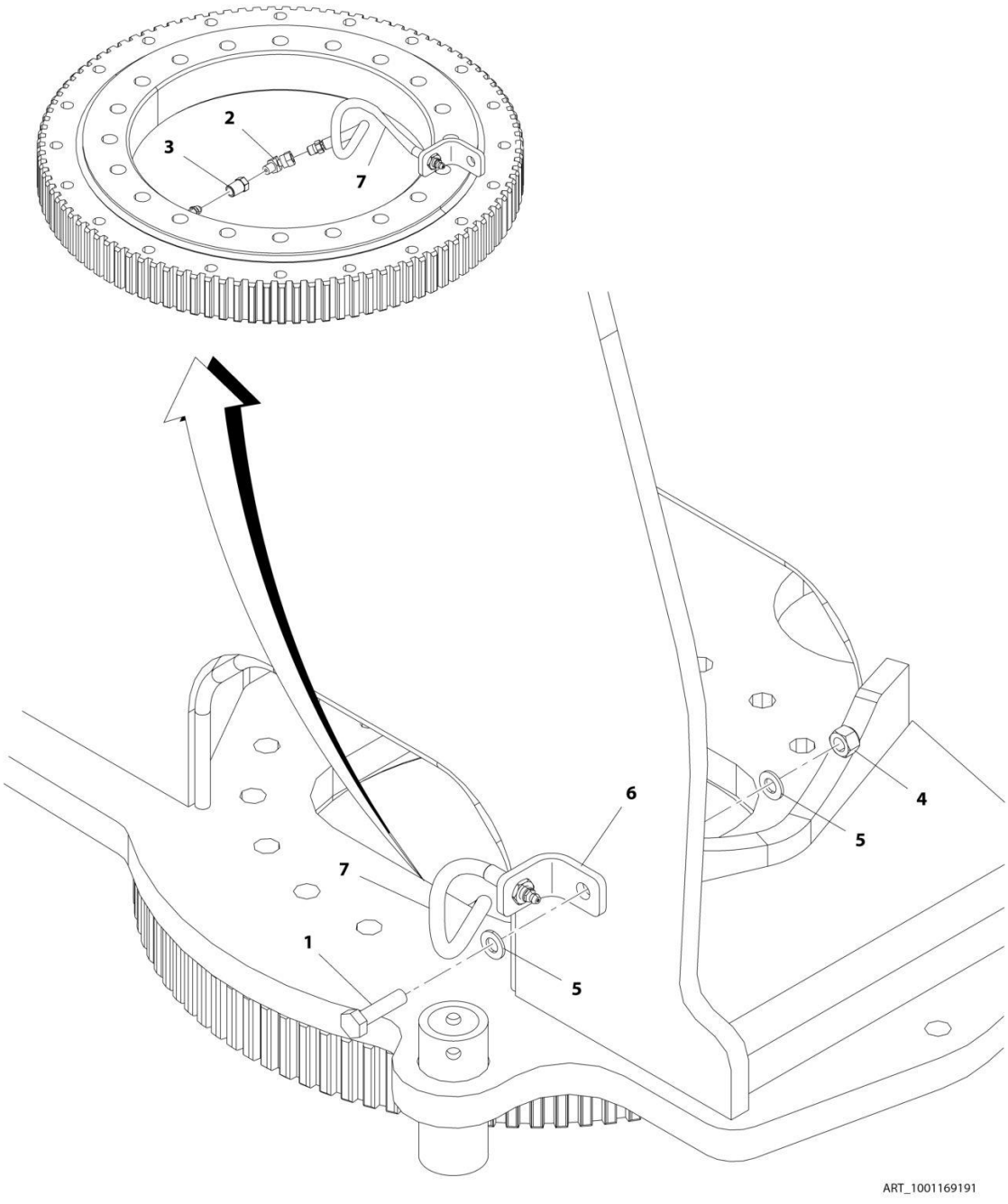


FIGURE 2-15. BEARING LUBE INSTALLATION

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 2-16. TURNTABLE LOCK INSTALLATION

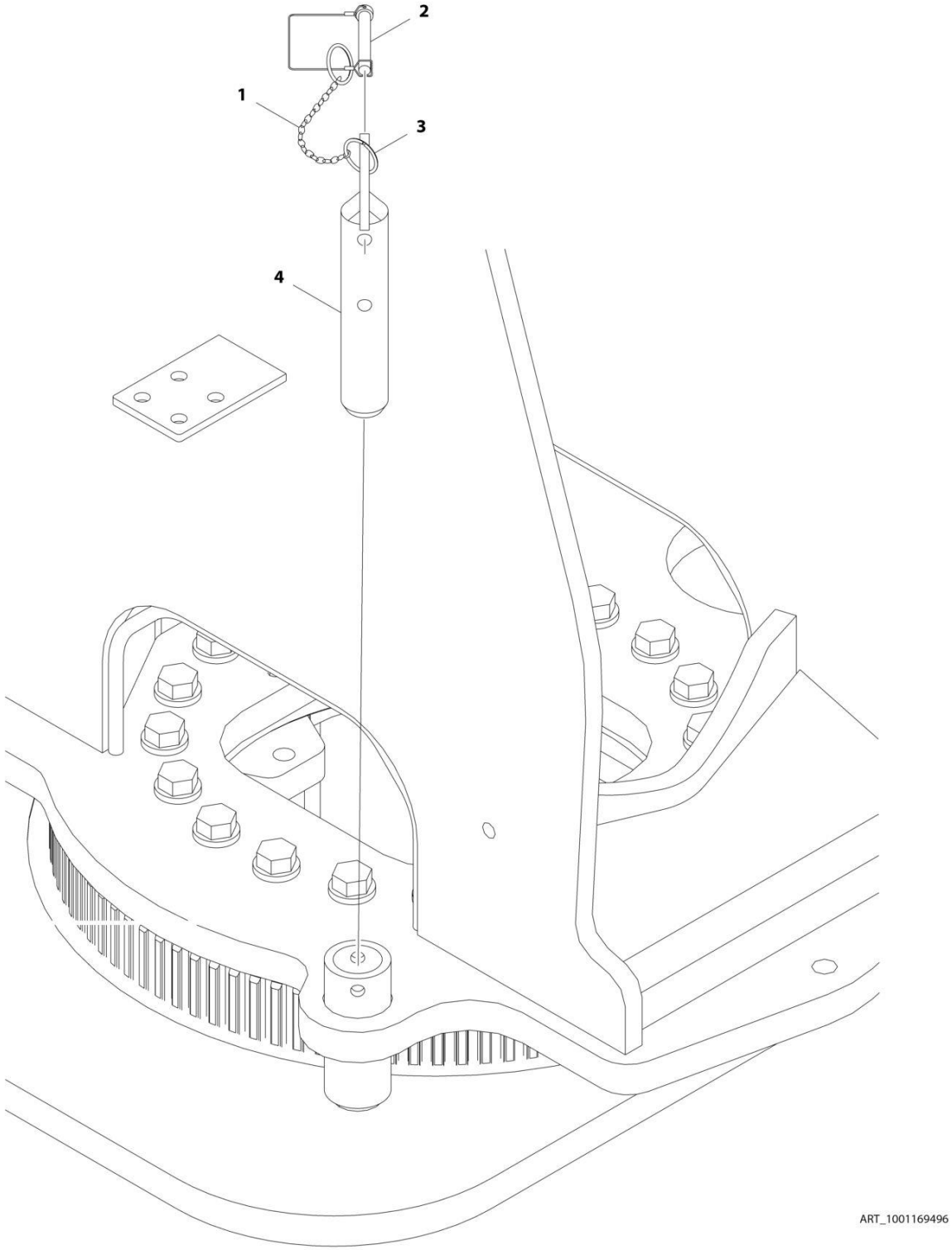


FIGURE 2-16. TURNTABLE LOCK INSTALLATION

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 2-17. TURNTABLE COVERS INSTALLATION

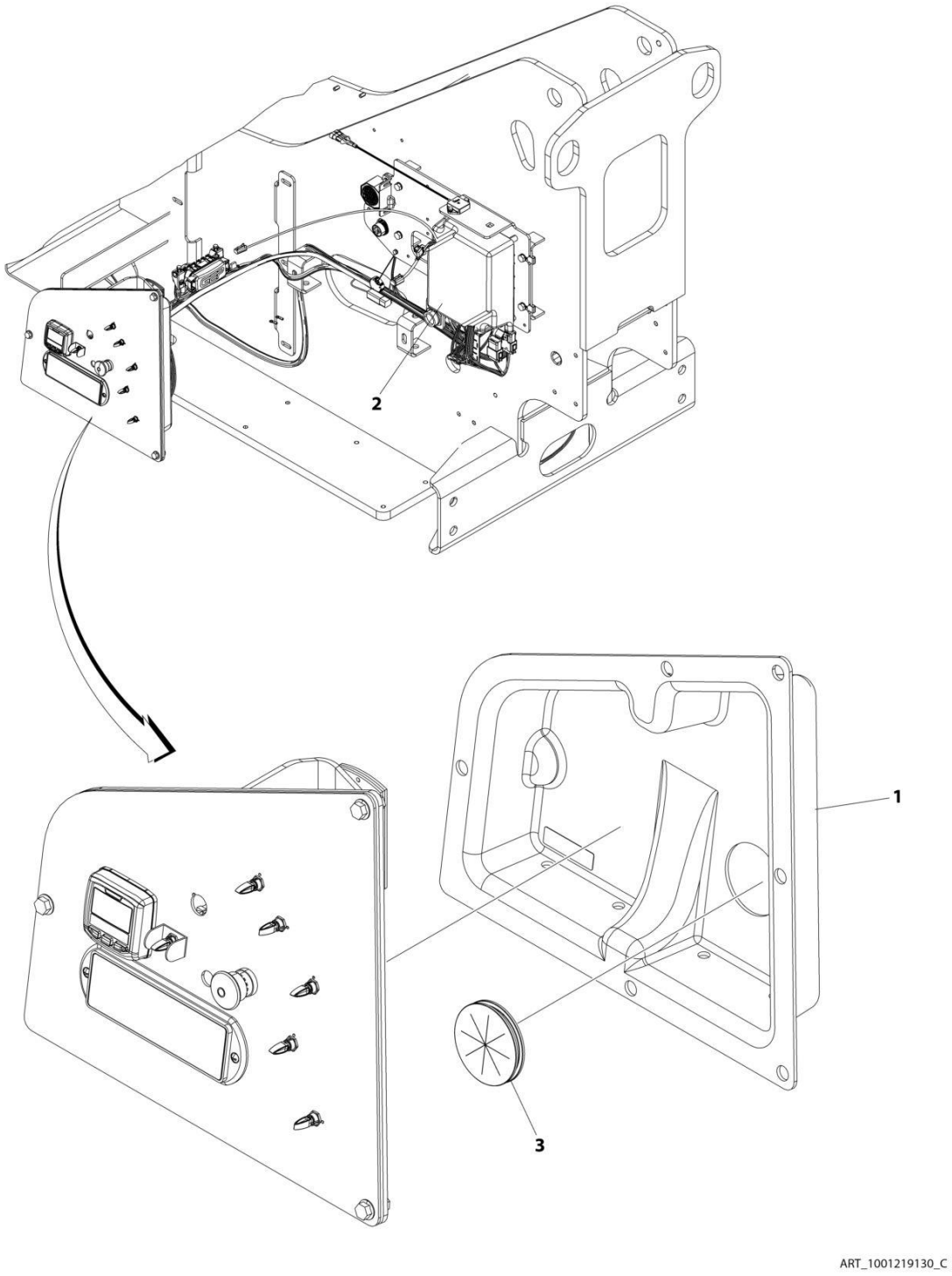


FIGURE 2-17. TURNTABLE COVERS INSTALLATION

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 2-18. TANKS INSTALLATION - DIESEL MACHINES (WITH 17.3 GAL HYDRAULIC TANK)

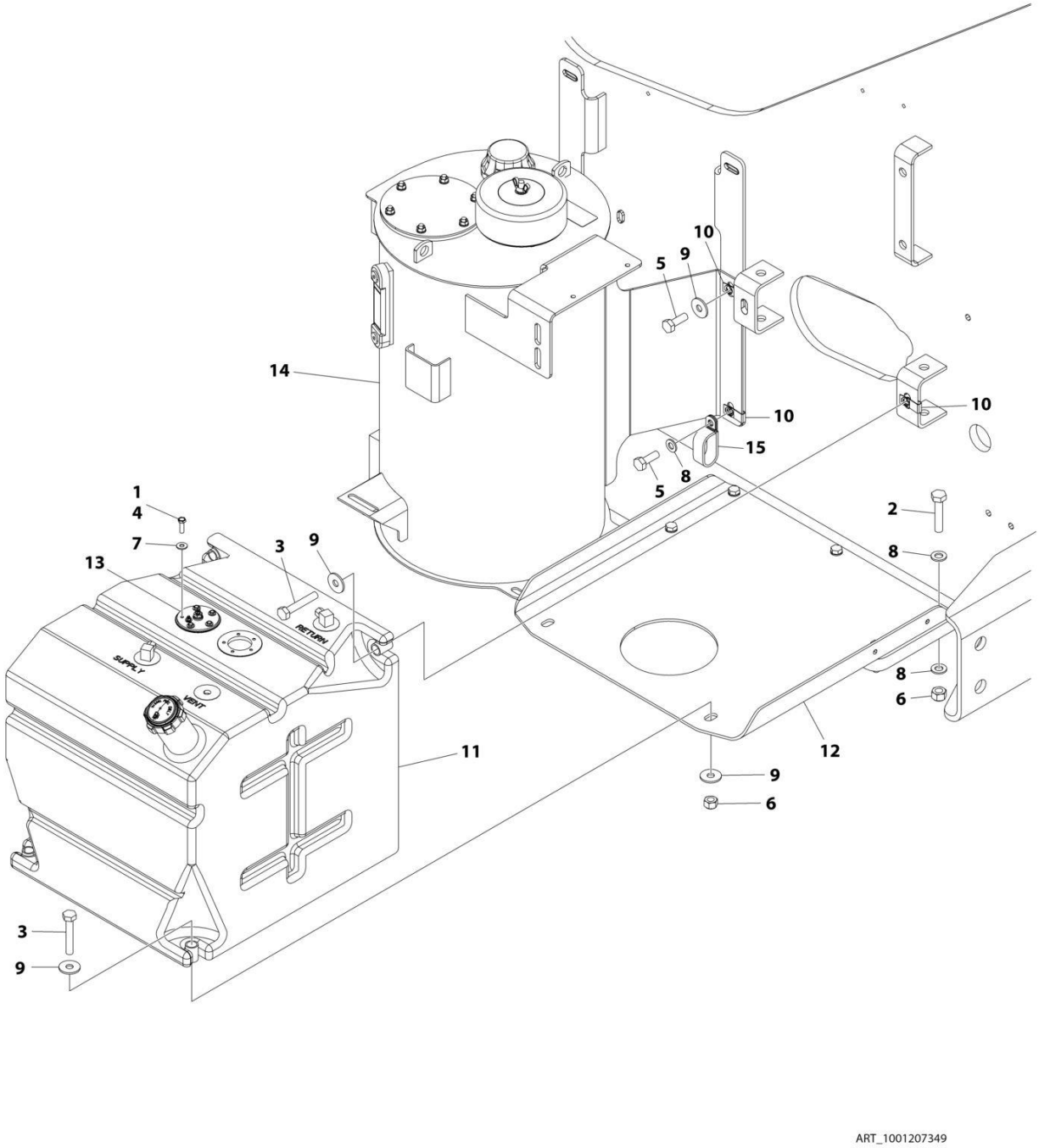


FIGURE 2-18. TANKS INSTALLATION - DIESEL MACHINES (WITH 17.3 GAL HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207349	Ref	TANKS INSTALLATION - DIESEL MACHINES	D
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	0761014	4	Bolt M10 x 30	
6	3291005	7	Nut M10	
7	4751000	5	Washer #10	
8	4812000	12	Washer M10	
9	4812002	8	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	1001166710	1	Plate	
13	1001231195	1	Sensor, Fuel Level	
14	1001206917	1	Tank, Hydraulic (See Separate Breakdown in this Section)	
15	1321716	2	Clamp	

FIGURE 2-19. TANKS INSTALLATION - DIESEL MACHINES (WITH 36 GAL HYDRAULIC TANK)

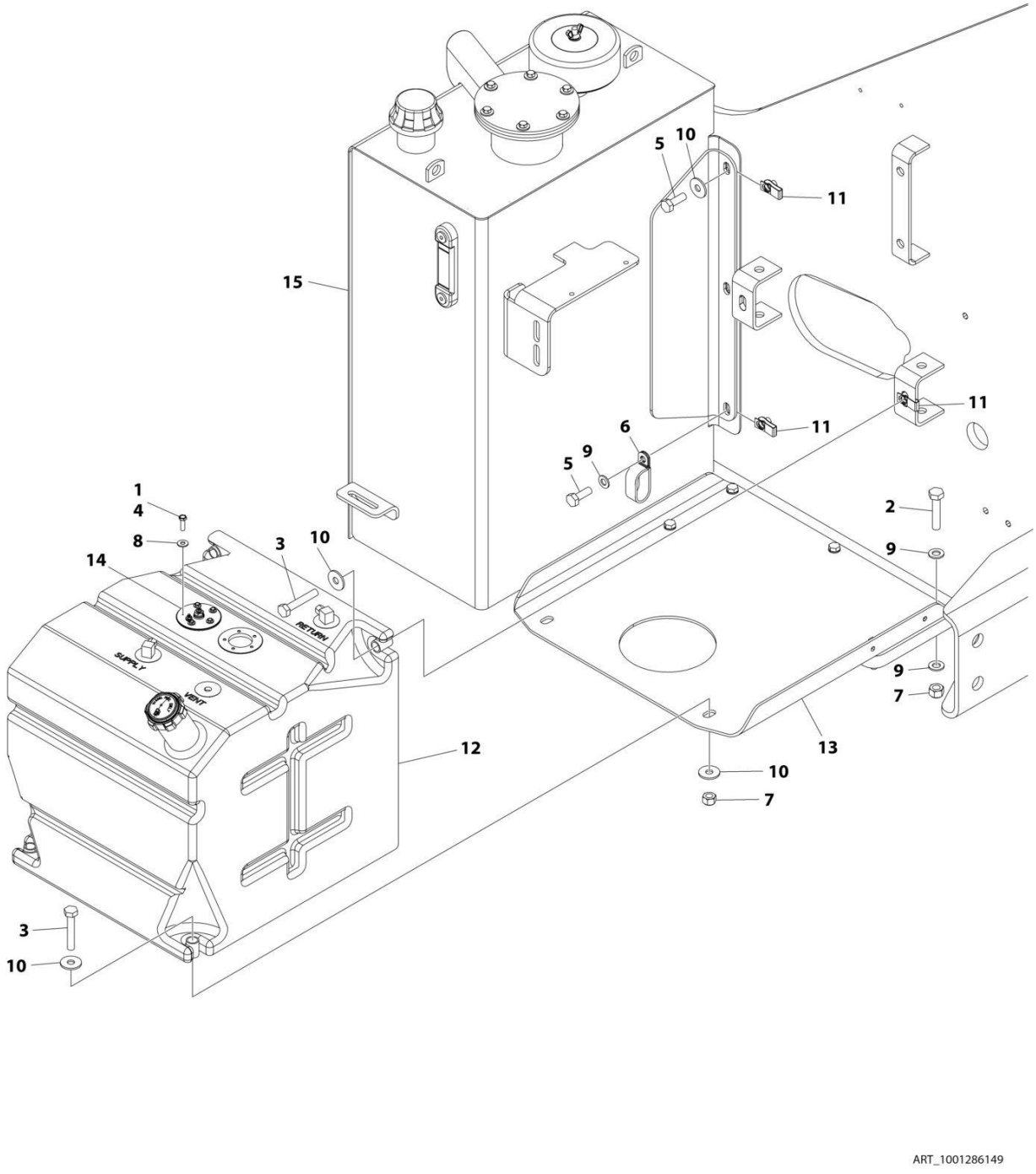


FIGURE 2-19. TANKS INSTALLATION - DIESEL MACHINES (WITH 36 GAL HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286149	Ref	TANKS INSTALLATION - GAS MACHINES	B
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	0761014	4	Bolt M10 x 30	
6	1321716	2	Clamp	
7	3291005	7	Nut M10	
8	4751000	5	Washer #10	
9	4812000	12	Washer M10	
10	4812002	8	Washer M10	
11	1001118972	6	Nut M10	
12	1001163418	1	Tank, Fuel	
12	1001193336	1	Cap, Fill with Chain and Stop Spring	
12	70004794	1	Tube, Pick-up	
13	1001166710	1	Plate	
14	1001231195	1	Sensor, Fuel Level	
15	1001286148	1	Tank, Hydraulic (See Separate Breakdown in this Section)	

FIGURE 2-20. TANKS INSTALLATION - GAS MACHINES (WITH 17.3 GAL HYDRAULIC TANK)

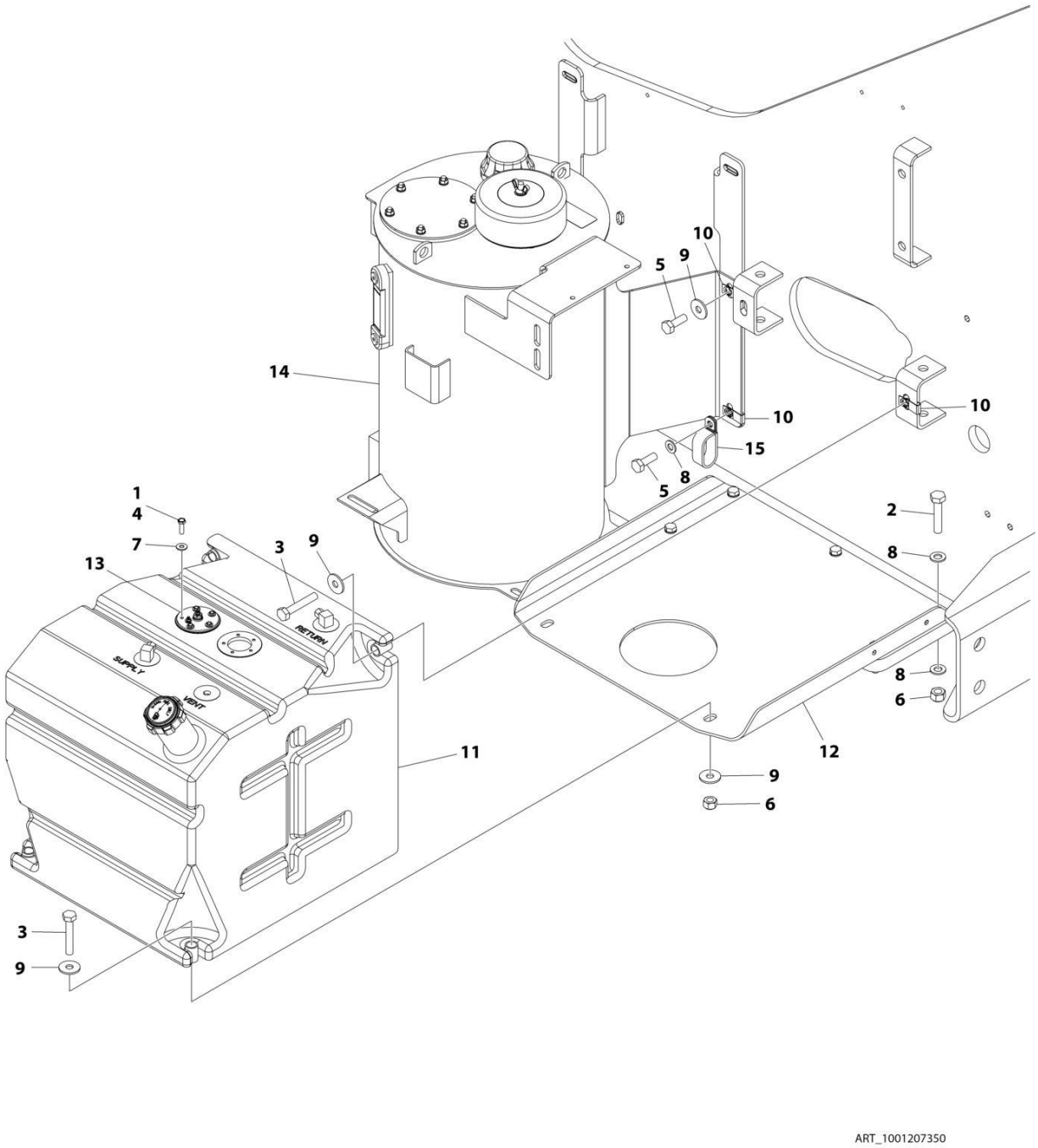


FIGURE 2-20. TANKS INSTALLATION - GAS MACHINES (WITH 17.3 GAL HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207350	Ref	TANKS INSTALLATION - GAS MACHINES	E
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 5/8	
5	0761014	4	Bolt M10 x 30	
6	3291005	7	Nut M10	
7	4751000	5	Washer #10	
8	4812000	12	Washer M10	
9	4812002	8	Washer M10	
10	1001118972	6	Nut M10	
11	1001163671	1	Tank, Fuel	
11	1001211336	1	Cap, Fill with Lanyard and Stop	
11	70004794	2	Tube, Pick up	
12	1001166710	1	Plate	
13	1001231195	1	Sensor, Fuel Level	
14	1001206917	1	Tank, Hydraulic (See Separate Breakdown in this Section)	
15	1321716	2	Clamp	

FIGURE 2-21. TANKS INSTALLATION - GAS MACHINES (WITH 36 GAL HYDRAULIC TANK)

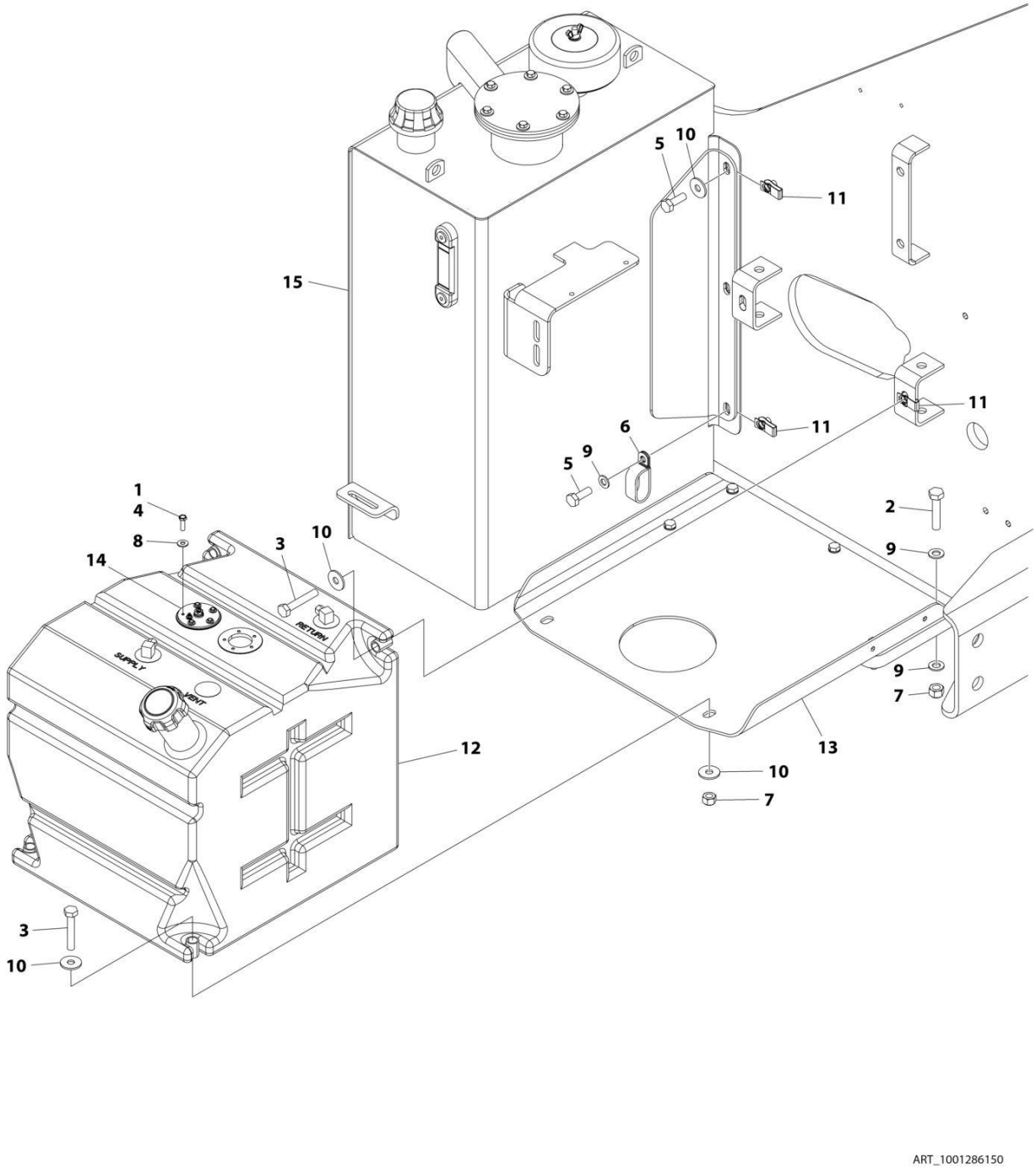


FIGURE 2-21. TANKS INSTALLATION - GAS MACHINES (WITH 36 GAL HYDRAULIC TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286150	Ref	TANKS INSTALLATION - GAS MACHINES	B
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 5/8	
5	0761014	4	Bolt M10 x 30	
6	1321716	2	Clamp	
7	3291005	7	Nut M10	
8	4751000	5	Washer #10	
9	4812000	12	Washer M10	
10	4812002	8	Washer M10	
11	1001118972	6	Nut M10	
12	1001163671	1	Tank, Fuel	
12	1001211336	1	Cap, Fill with Lanyard and Stop	
12	70004794	2	Tube, Pick up	
13	1001166710	1	Plate	
14	1001231195	1	Sensor, Fuel Level	
15	1001286148	1	Tank, Hydraulic (See Separate Breakdown in this Section)	

FIGURE 2-22. HYDRAULIC TANK ASSEMBLY - 17.3 GALLON

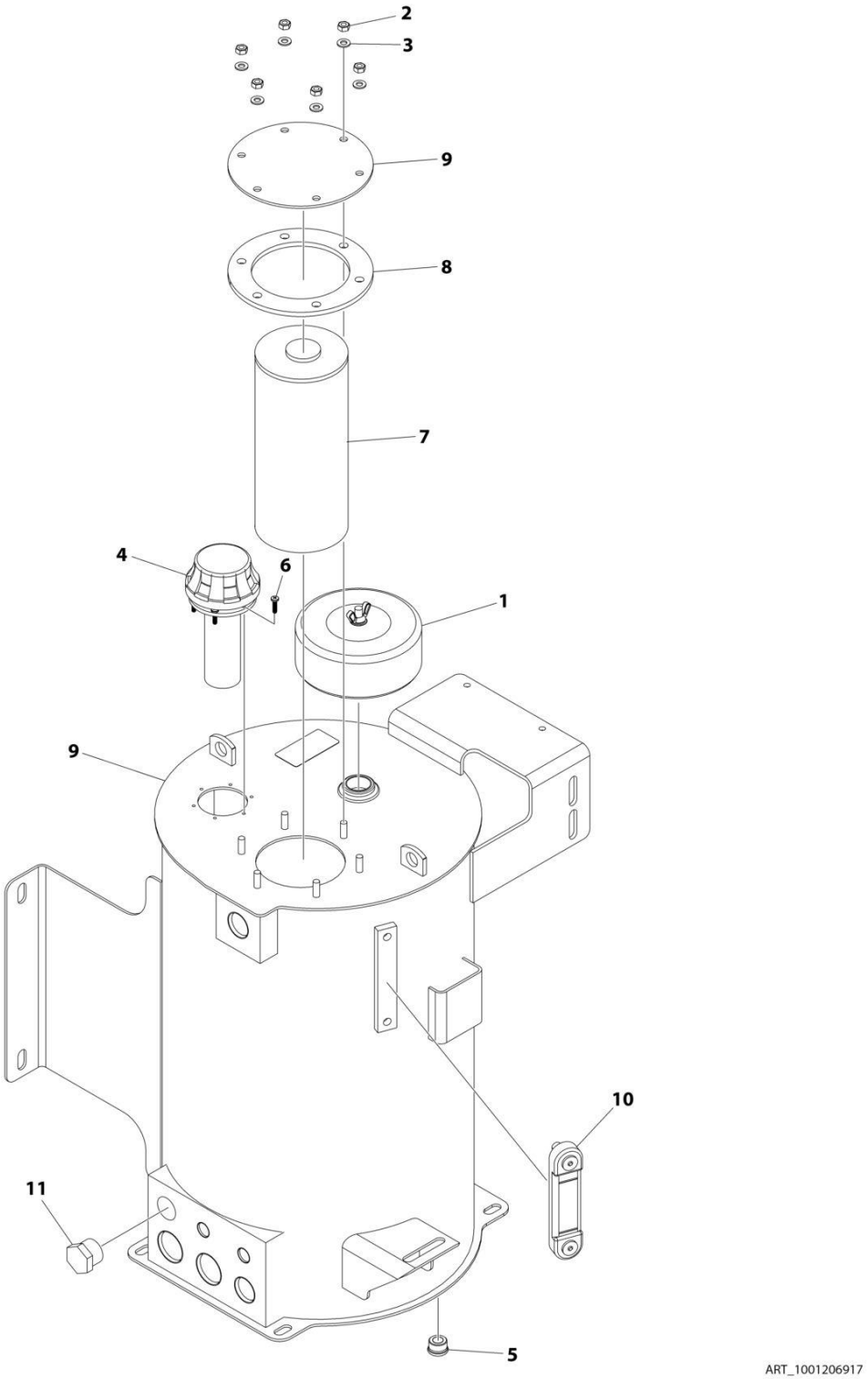


FIGURE 2-22. HYDRAULIC TANK ASSEMBLY - 17.3 GALLON

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206917	Ref	HYDRAULIC TANK ASSEMBLY	A
1	See Note	NSS	Breather Assembly (Note: Use p/n 70003614)	
2	3311501	6	Nut 5/16	
3	4751400	6	Washer 1/4	
4	70002838	1	Cap, Fill	
5	70002112	1	Plug	
6	See Note	NSS	Screw #10 x 3/4 (Note: Not Available for purchase)	
7	See Note	NSS	Element, Filter (Note: Use p/n 70003614)	
8	1001199177	1	Gasket	
9	See Note	NSS	Reservoir (Note: Not Available for purchase)	
10	7024441	1	Gauge, Level	
11	2220887	1	Plug	

FIGURE 2-23. HYDRAULIC TANK ASSEMBLY - 36 GALLON

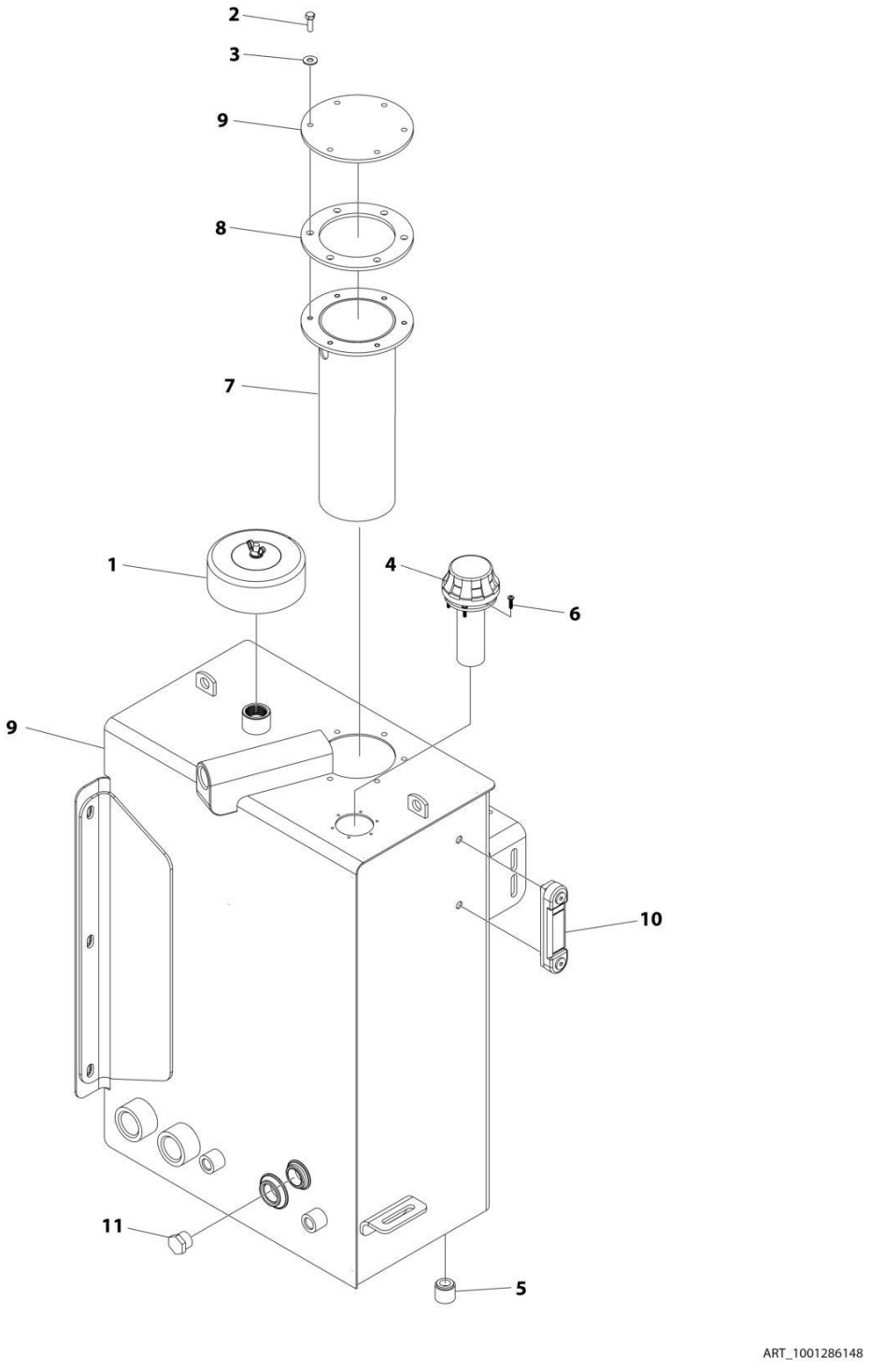


FIGURE 2-23. HYDRAULIC TANK ASSEMBLY - 36 GALLON

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286148	Ref	HYDRAULIC TANK ASSEMBLY	B
1	See Note	NSS	Breather Assembly (Note: Use p/n 70003614)	
2		Ref	Bolt	
3	4751400	6	Washer 1/4	
4	70002838	1	Cap, Fill	
5	70002112	1	Plug	
6	See Note	NSS	Screw #10 x 3/4 (Note: Not Available for purchase)	
7	See Note	NSS	Element, Filter (Note: Use p/n 70003614)	
8	1001199177	1	Gasket	
9	See Note	NSS	Reservoir (Note: Not Available for purchase)	
10	7024441	1	Gauge, Level	
11	2220887	1	Plug	

FIGURE 2-24. ELECTRICAL INSTALLATION (400S)

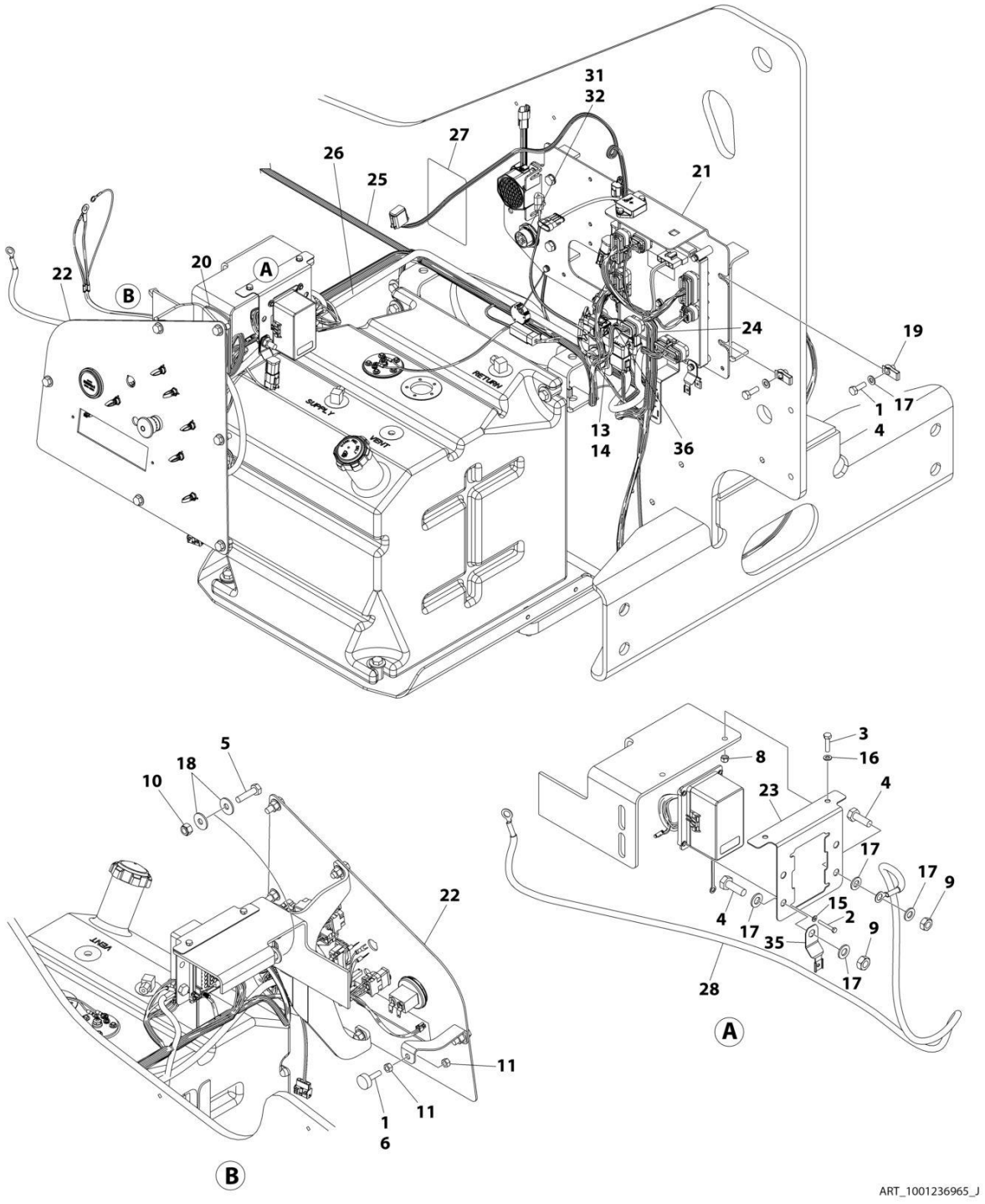


FIGURE 2-24. ELECTRICAL INSTALLATION (400S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236965	Ref	ELECTRICAL INSTALLATION - 400S	J
1	0100011	AR	Compound, Locking	
2	0731005	4	Bolt #10 x 5/8	
3	0760612	2	Bolt M6 x 25	
4	0761014	6	Bolt M10 x 30	
5	0761016	2	Bolt M10 x 40	
6	0940049	1	Stopper, Hood	
8	3290605	2	Nut M6	
9	3291001	2	Nut M10	
10	3291005	2	Nut M10	
11	3311501	2	Nut 5/16	
12	4240099	AR	Tie-Strap (Not Shown)	
13	4460470	1	Nut, Terminal	
14	4460471	1	Washer, Terminal	
15	4711000	4	Washer #10	
16	4811700	4	Washer M6	
17	4812000	8	Washer M10	
18	4812002	4	Washer M10	
19	1001118972	4	Nut M10	
20	1001150324	AR	Shim 3MM	
21	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
22	1001239294	1	Ground Control Assembly (See Separate Breakdown in this Section)	
23	1001237822	1	Plate	
24	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
25	1001282532	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
26	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
27	1001239512	1	Decal - Fuse Box	
28	1001250681	1	Battery Cable (Negative)	
29	4460466	8	Seal, Terminal (Not Shown)	
30	4460931	1	Connector - 8 Position (Not Shown)	
31	4460496	1	Washer	
32	4460497	1	Nut	
33	4460234	AR	Mount, Tie-Strap (Not Shown)	
34	4240032	AR	Tie-Strap (Not Shown)	
35	1001120328	1	Clip, Mounting	
36	1001155743	1	Holder	
38	1001213448	1	Connector (Not Shown)	

FIGURE 2-25. ELECTRICAL INSTALLATION (460SJ)

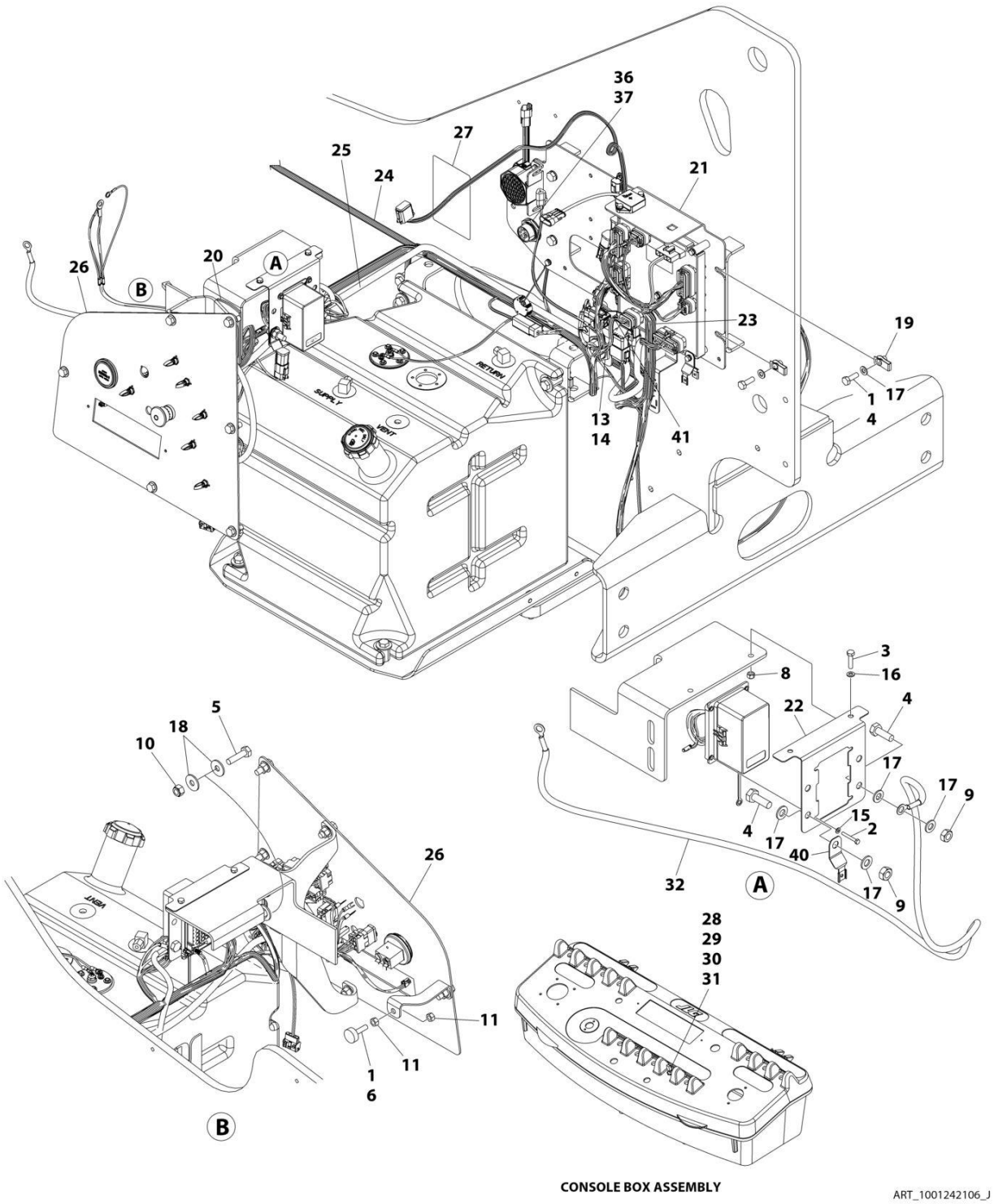


FIGURE 2-25. ELECTRICAL INSTALLATION (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242106	Ref	ELECTRICAL INSTALLATION - 460SJ	J
1	0100011	AR	Compound, Locking	
2	0731005	4	Bolt #10 x 5/8	
3	0760612	2	Bolt M6 x 25	
4	0761014	6	Bolt M10 x 30	
5	0761016	2	Bolt M10 x 40	
6	0940049	1	Stopper, Hood	
8	3290605	2	Nut M6	
9	3291001	2	Nut M10	
10	3291005	2	Nut M10	
11	3311501	2	Nut 5/16	
12	4240099	AR	Tie-Strap (Not Shown)	
13	4460470	1	Nut, Terminal	
14	4460471	1	Washer, Terminal	
15	4711000	4	Washer #10	
16	4811700	4	Washer M6	
17	4812000	8	Washer M10	
18	4812002	4	Washer M10	
19	1001118972	4	Nut M10	
20	1001150324	AR	Shim 3MM	
21	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
22	1001237822	1	Plate	
23	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
24	1001282532	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
25	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
26	1001239293	1	Ground Control Assembly (See Separate Breakdown in this Section)	
27	1001239512	1	Decal - Fuse Box	
28	3790012	1	O-Ring	
29	4360328	1	Switch, Toggle	
30	4740397	1	Spacer	
31	1001155044	1	Nut 15/32	
32	1001250681	1	Battery Cable (Negative)	
33	4460466	16	Seal, Terminal (Not Shown)	
34	4460930	1	Connector - 8 Position (Not Shown)	
35	4460931	1	Connector - 8 Position (Not Shown)	
36	4460496	1	Washer	
37	4460497	1	Nut	
38	4460234	AR	Mount, Tie-Strap (Not Shown)	
39	4240032	AR	Tie-Strap (Not Shown)	
40	1001120328	1	Clip, Mounting	
41	1001155743	1	Holder	
43	1001213448	1	Connector (Not Shown)	

FIGURE 2-26. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) (460SJ)

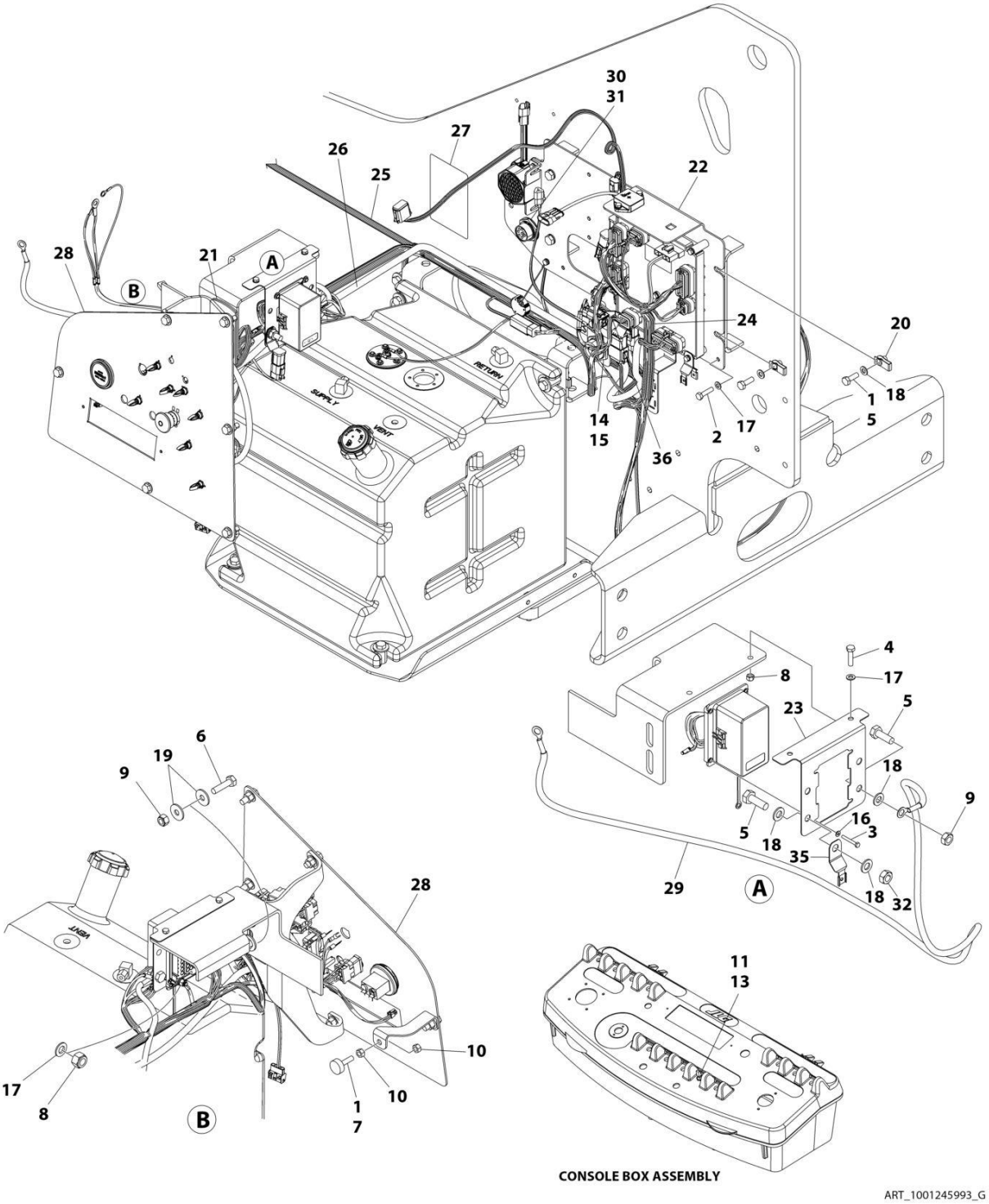


FIGURE 2-26. ELECTRICAL INSTALLATION - WITH DEUTZ (STAGE V) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245993	Ref	ELECTRICAL INSTALLATION - DEUTZ (STAGE V)	G
1	0100011	AR	Compound, Locking	
2	0700612	1	Screw M6 x 25	
3	0731005	4	Screw #10 x 5/8	
4	0760610	2	Bolt M6 x 20	
5	0761014	6	Bolt M10 x 30	
6	0761016	2	Bolt M10 x 40	
7	0940049	1	Stopper, Hood	
8	3290605	4	Nut M6	
9	3291005	3	Nut M10	
10	3311501	2	Nut 5/16	
11	3790012	1	O-Ring	
12	4240099	AR	Tie-Strap (Not Shown)	
13	4360328	1	Switch, Toggle	
14	4460470	1	Nut, Terminal	
15	4460471	1	Washer, Terminal	
16	4711000	4	Washer #10	
17	4711700	7	Washer M6	
18	4812000	7	Washer M10	
19	4812002	4	Washer M10	
20	1001118972	4	Nut M10	
21	1001150324	AR	Shim 3MM	
22	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
23	1001237822	1	Plate	
24	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
25	1001282532	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
26	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
27	1001239512	1	Decal - Fuse Box	
28	1001245380	1	Electrical Assembly, Ground Control Panel (See Separate Breakdown in this Section)	
29	1001250681	1	Battery Cable (Negative)	
30	4460496	1	Washer	
31	4460497	1	Nut	
32	3291001	1	Nut M10	
33	4460234	AR	Mount, Tie-Strap (Not Shown)	
34	4240032	AR	Tie-Strap (Not Shown)	
35	1001120328	1	Clip, Mounting	
36	1001155743	1	Holder	
38	1001213448	1	Connector (Not Shown)	

FIGURE 2-27. ELECTRICAL INSTALLATION - 1K45FT (460SJ)

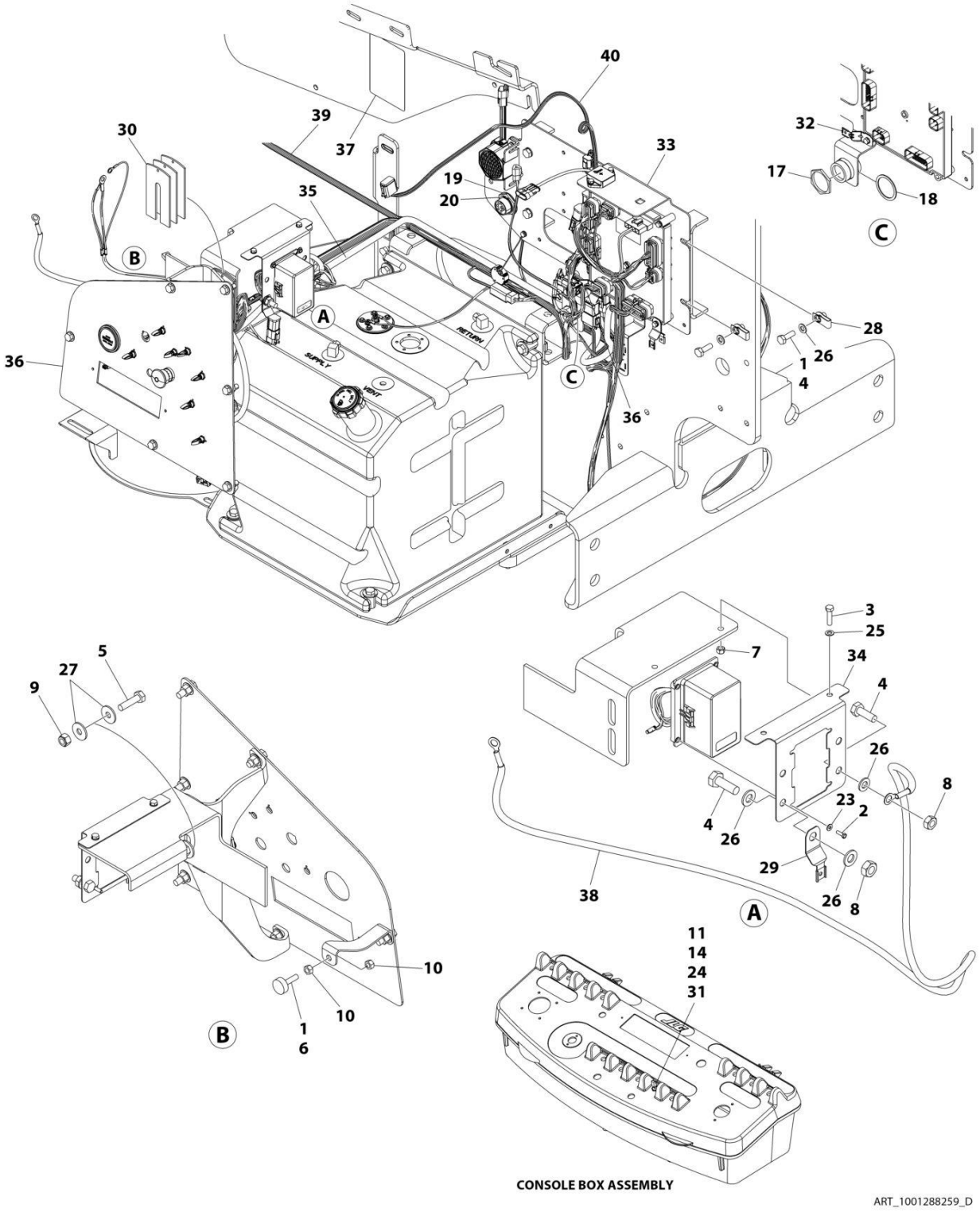


FIGURE 2-27. ELECTRICAL INSTALLATION - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288259	Ref	ELECTRICAL INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0731005	4	Bolt #10 x 5/8	
3	0760612	2	Bolt M6 x 25	
4	0761014	6	Bolt M10 x 30	
5	0761016	2	Bolt M10 x 40	
6	0940049	1	Stopper, Hood	
7	3290605	2	Nut M6	
8	3291001	2	Nut M10	
9	3291005	2	Nut M10	
10	3311501	2	Nut 5/16	
11	3790012	1	O-Ring	
12	4240032	AR	Tie-Strap (Not Shown)	
13	4240099	AR	Tie-Strap (Not Shown)	
14	4360328	1	Switch, Toggle	
15	4460234	AR	Mount, Tie-Strap (Not Shown)	
16	4460466	16	Seal, Terminal (Not Shown)	
17	4460470	1	Nut, Terminal	
18	4460471	1	Washer, Terminal	
19	4460496	1	Washer	
20	4460497	1	Nut	
21	4460930	1	Connector - 8 Position (Not Shown)	
22	4460931	1	Connector - 8 Position (Not Shown)	
23	4711000	4	Washer #10	
24	4740397	1	Spacer	
25	4811700	4	Washer M6	
26	4812000	8	Washer M10	
27	4812002	4	Washer M10	
28	1001118972	4	Nut M10	
29	1001120328	1	Clip, Mounting	
30	1001150324	AR	Shim 3MM	
31	1001155044	1	Nut 15/32	
32	1001155743	1	Holder	
33	1001172757	1	Electrical Panel Assembly (See Separate Breakdown in this Section)	
34	1001237822	1	Plate	
35	1001299766	1	Ground Control Box Harness (See Separate Breakdown in ELECTRICAL Section)	
36	1001239293	1	Ground Control Assembly (See Separate Breakdown in this Section)	
37	1001239512	1	Decal - Fuse Box	
38	1001250681	1	Battery Cable (Negative)	
39	1001282532	1	Valve Harness (See Separate Breakdown in ELECTRICAL Section)	
40	1001301483	1	Turntable Harness (See Separate Breakdown in ELECTRICAL Section)	
42	1001213448	1	Connector (Not Shown)	

FIGURE 2-28. ELECTRICAL PANEL ASSEMBLY

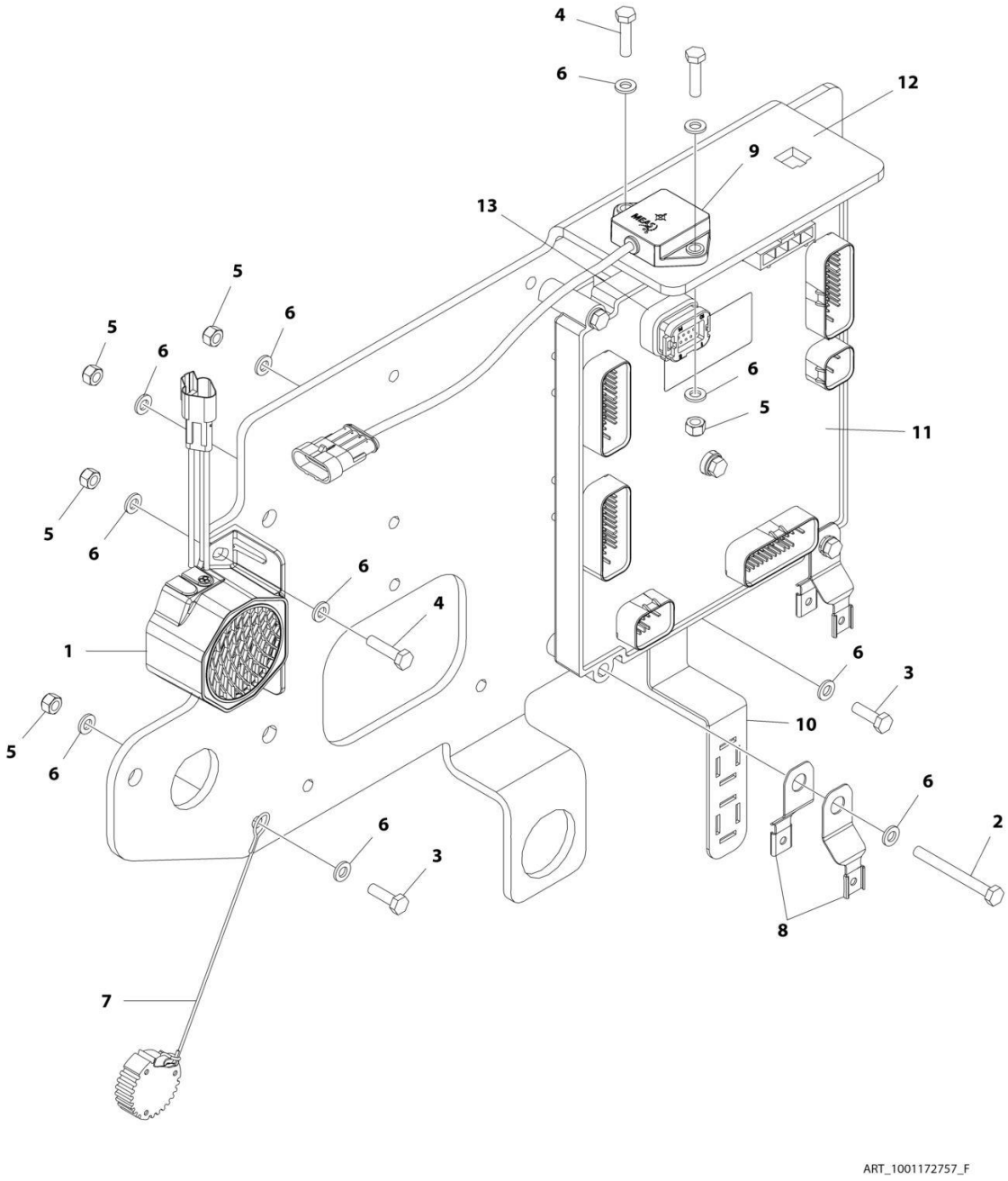


FIGURE 2-28. ELECTRICAL PANEL ASSEMBLY

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

FIGURE 2-29. GROUND CONTROL MOUNTING (400S)

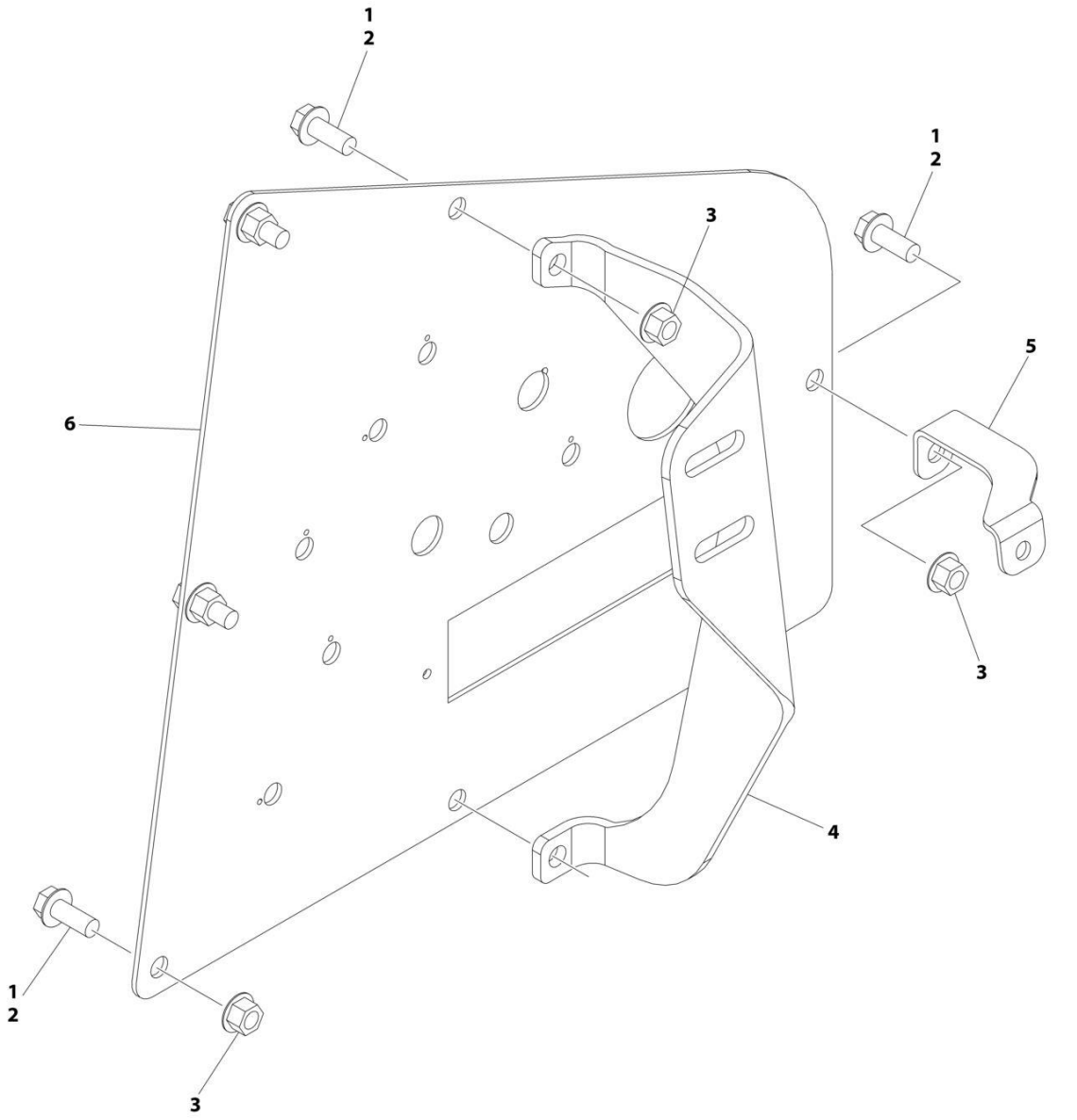


FIGURE 2-29. GROUND CONTROL MOUNTING (400S)

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

FIGURE 2-30. GROUND CONTROL MOUNTING - 1K45FT (460SJ)

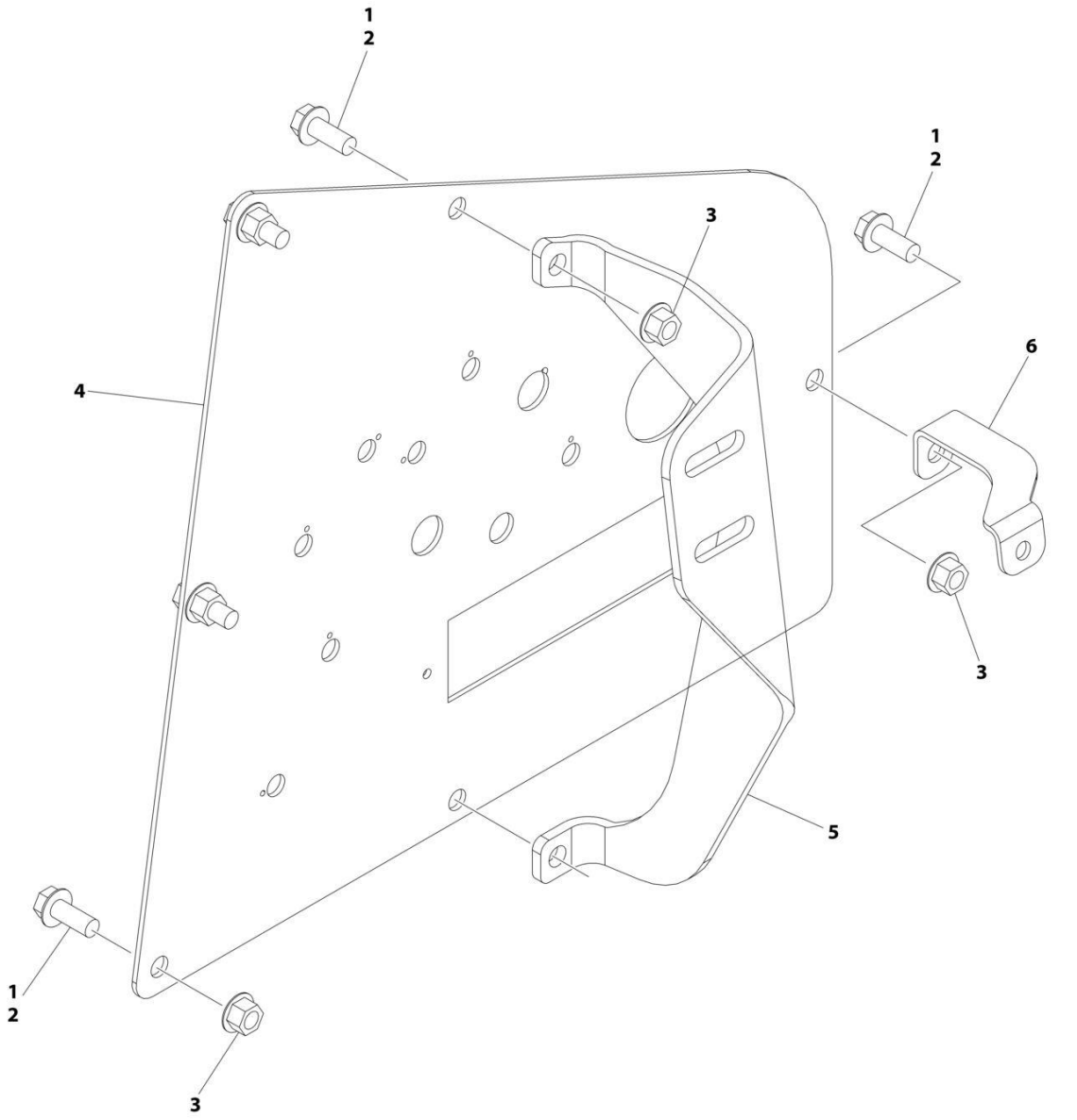


FIGURE 2-30. GROUND CONTROL MOUNTING - 1K45FT (460SJ)

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

FIGURE 2-31. GROUND CONTROL MOUNTING - DEUTZ (STAGE V) (CE & UK CA SPECS) (460SJ)

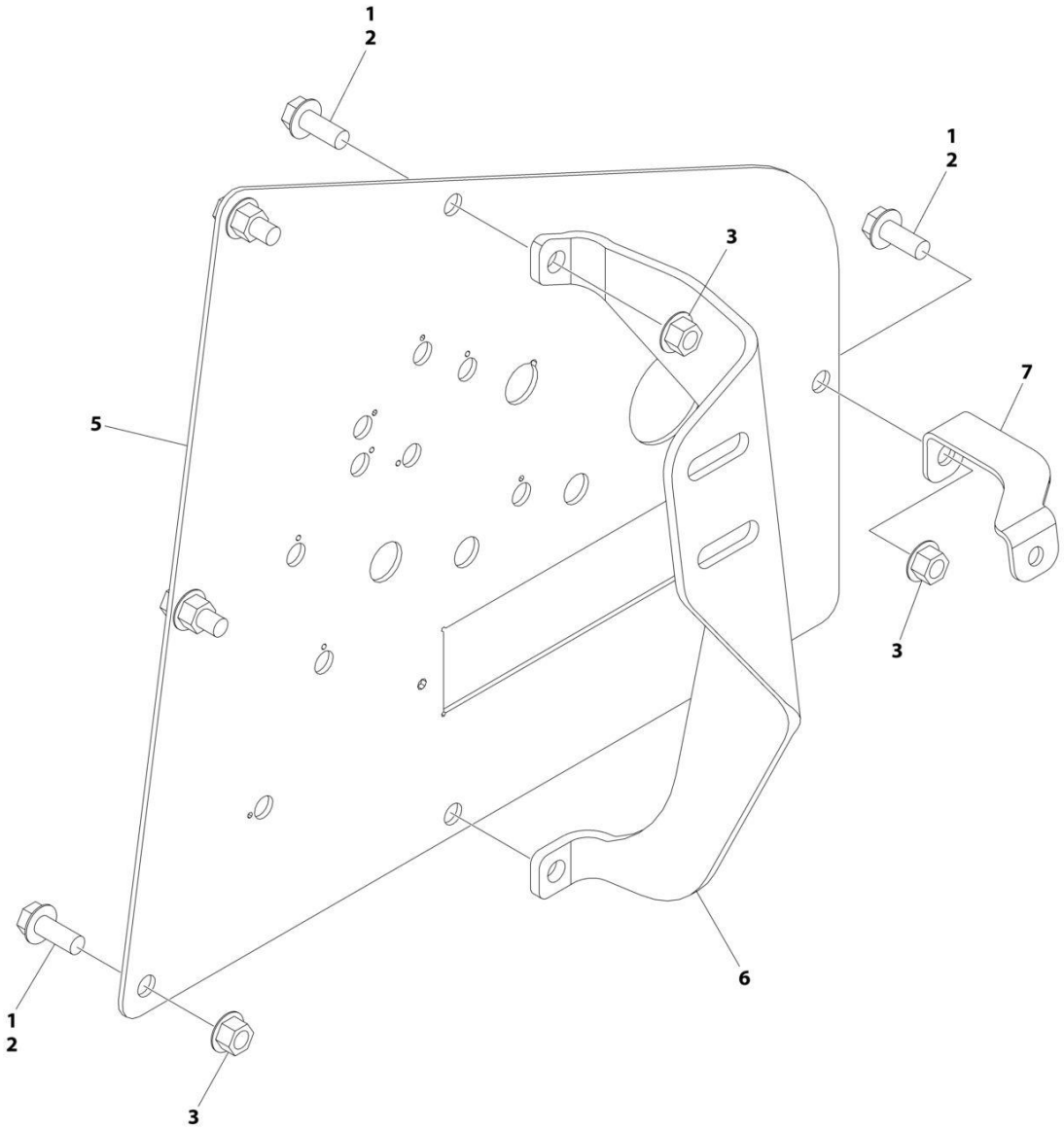


FIGURE 2-31. GROUND CONTROL MOUNTING - DEUTZ (STAGE V) (CE & UK CA SPECS) (460SJ)

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

FIGURE 2-32. GROUND CONTROL ASSEMBLY (400S)

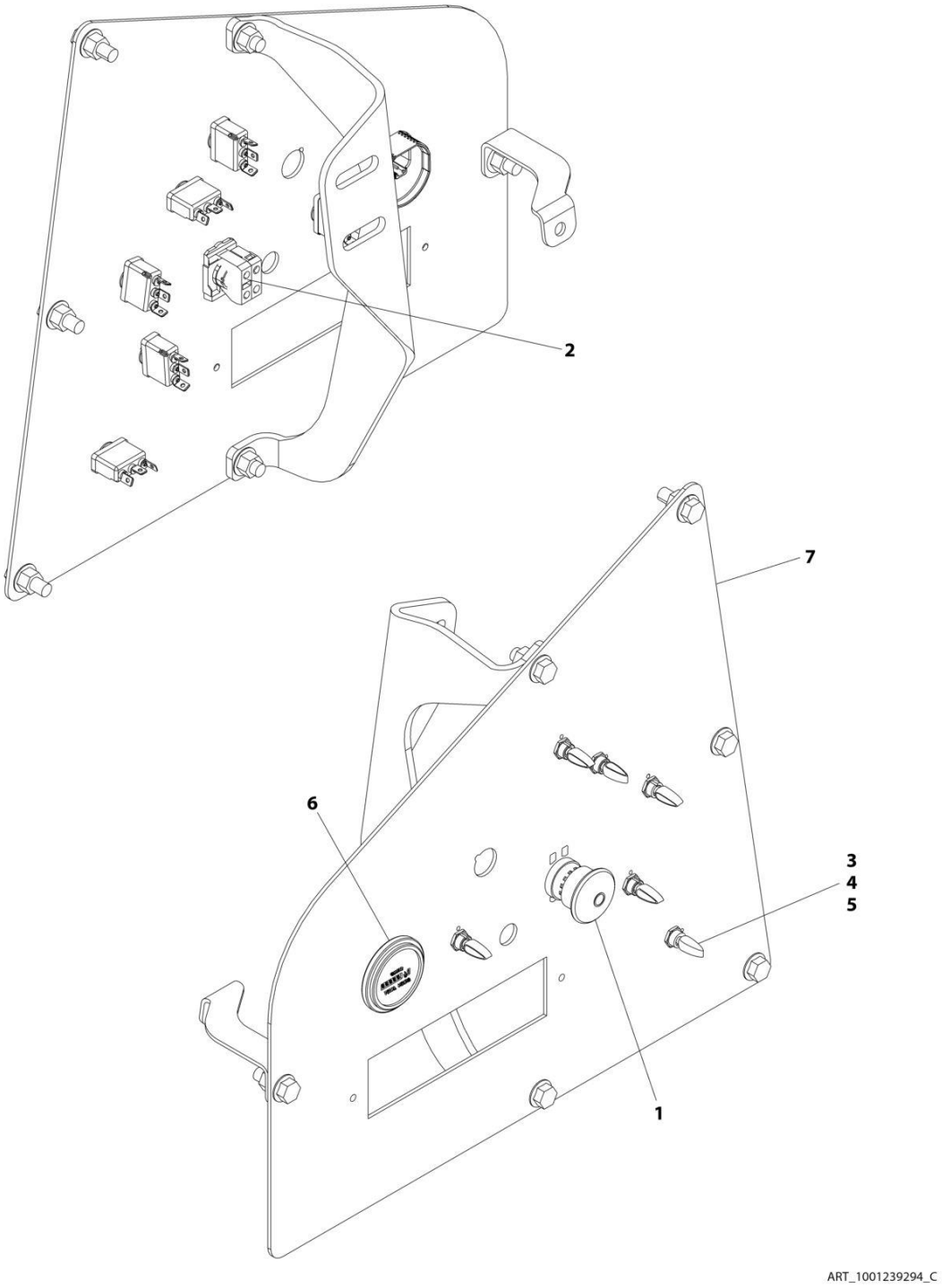


FIGURE 2-32. GROUND CONTROL ASSEMBLY (400S)

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

FIGURE 2-33. GROUND CONTROL ASSEMBLY - 1K45FT (460SJ)

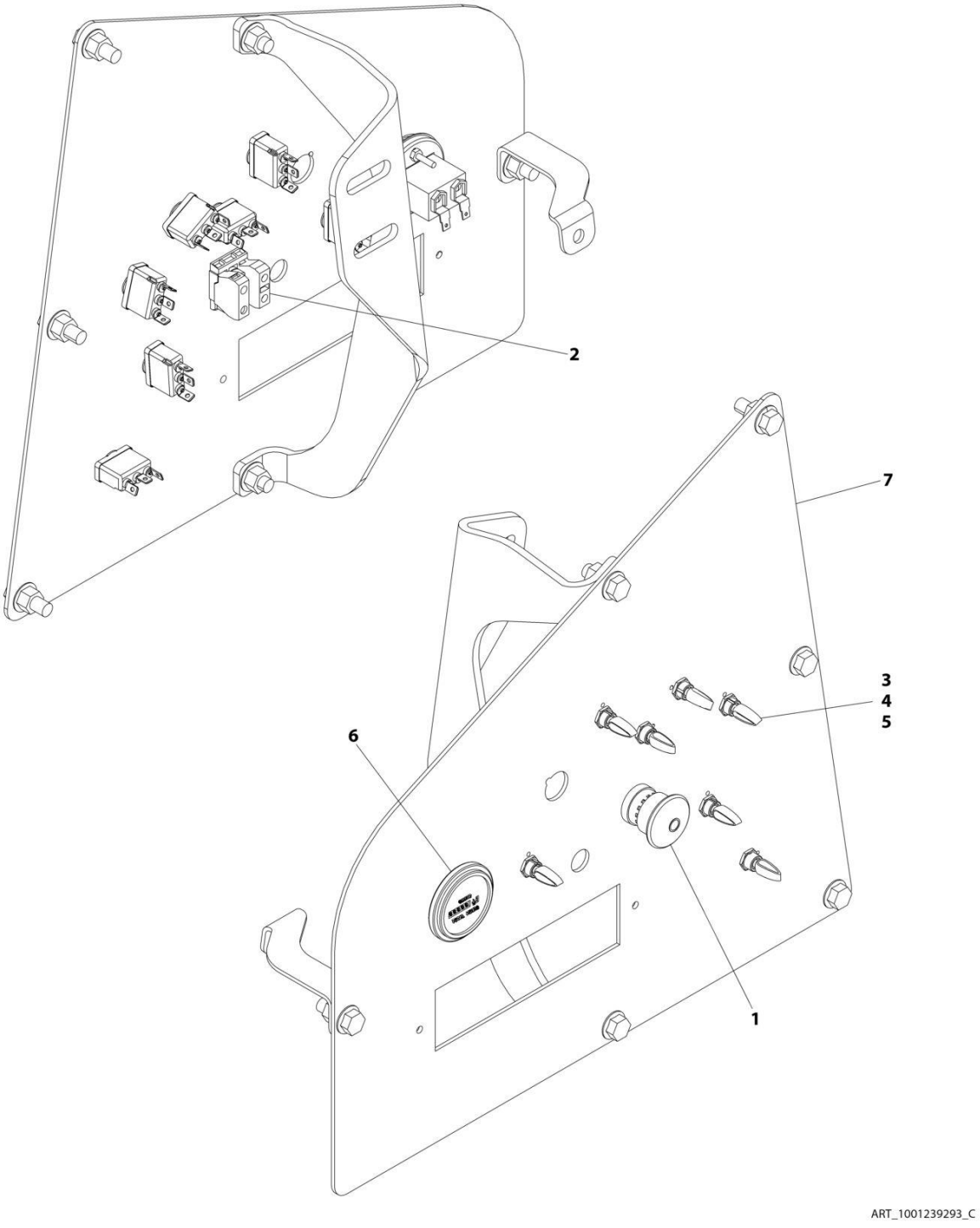


FIGURE 2-33. GROUND CONTROL ASSEMBLY - 1K45FT (460SJ)

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

FIGURE 2-34. GROUND CONTROL ASSEMBLY - DEUTZ (STAGE V) (CE & UK CA SPECS) (460SJ)

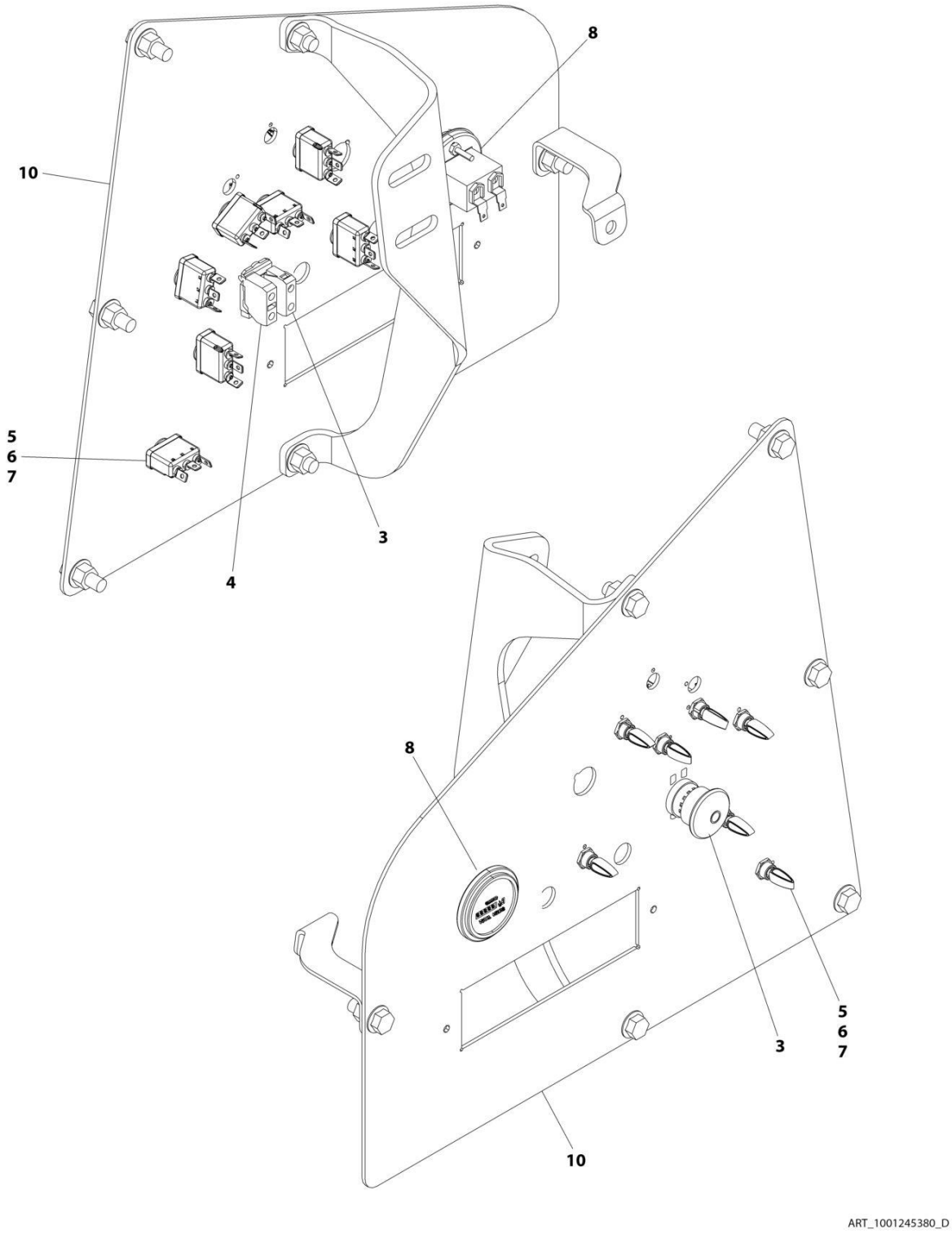


FIGURE 2-34. GROUND CONTROL ASSEMBLY - DEUTZ (STAGE V) (CE & UK CA SPECS) (460SJ)

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

FIGURE 2-35. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS) (400S)

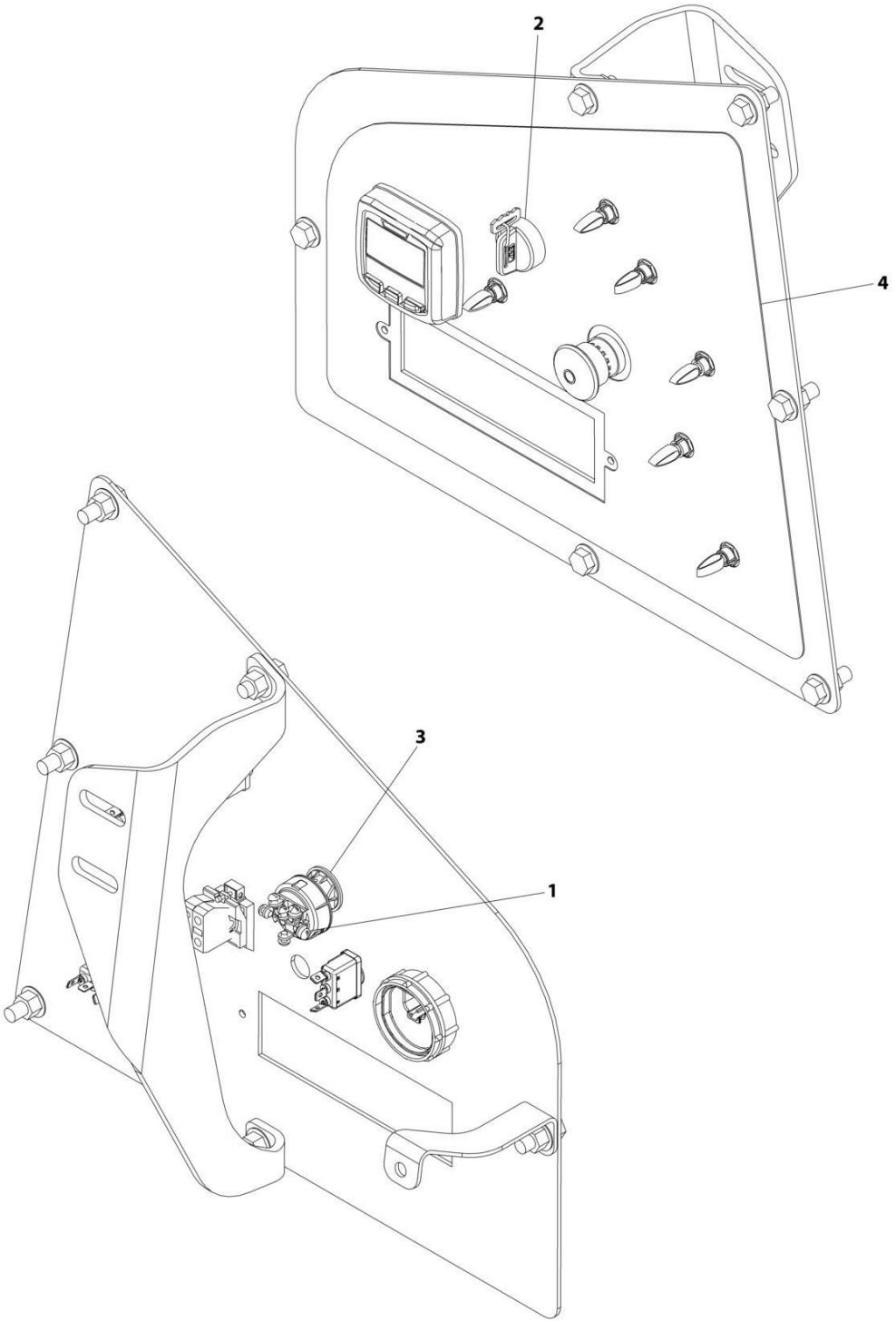


FIGURE 2-35. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS) (400S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222139	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - 400S	B
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2	2860030	1	Key, Replacement	
3	1001151393	1	Shim .063	
4	1001221402	1	Decal - Ground Control	

FIGURE 2-36. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - 1K45FT (ALL SPECS EXCEPT CE & UK CA SPEC) (460SJ)

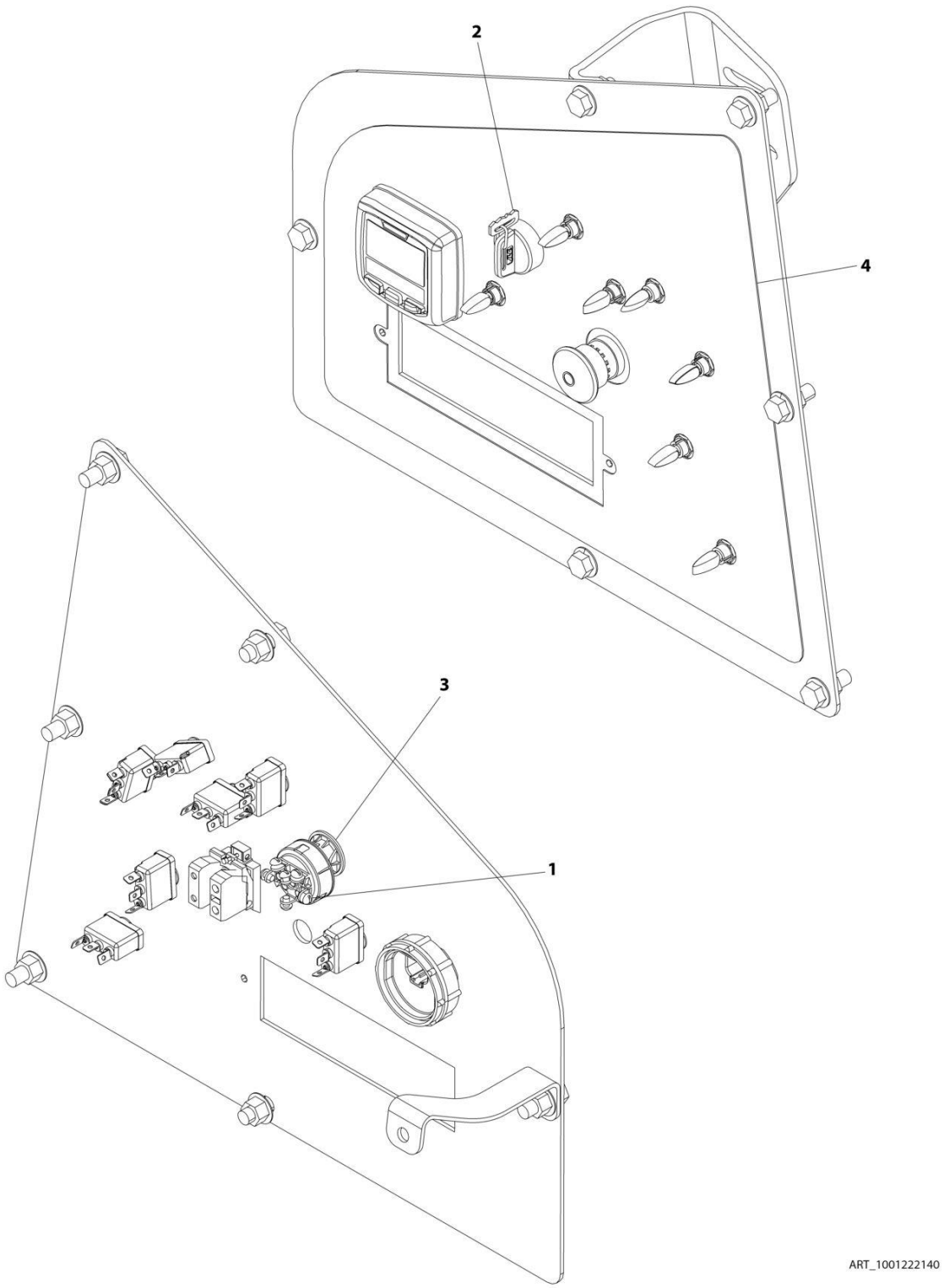


FIGURE 2-36. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - 1K45FT (ALL SPECS EXCEPT CE & UK CA SPEC) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222140	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - 460SJ	B
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2	2860030	1	Key, Replacement	
3	1001151393	1	Shim .063	
4	1001221403	1	Decal - Ground Control	

FIGURE 2-37. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - (CE(LRC) & UK CA SPEC) (460SJ)

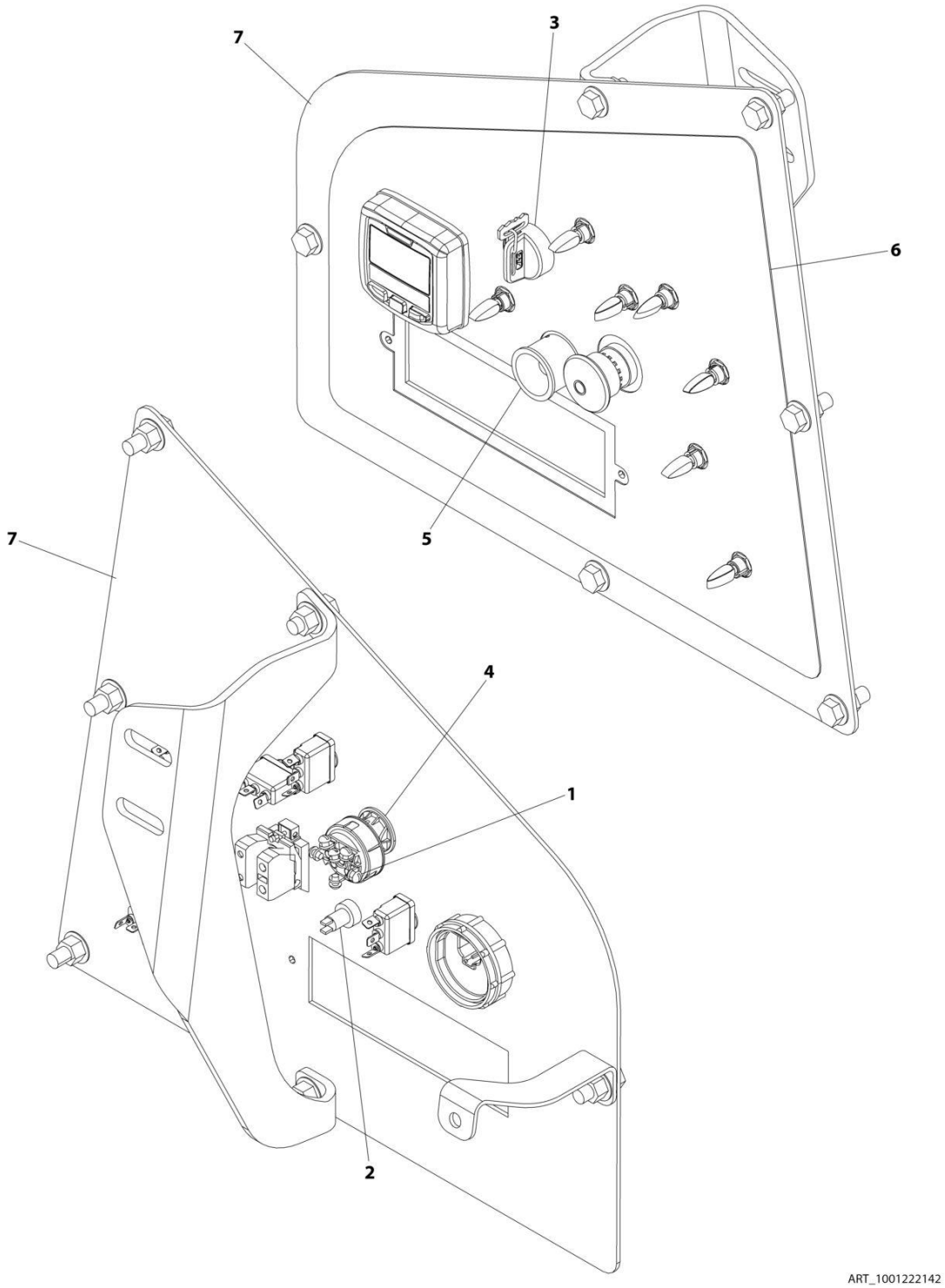


FIGURE 2-37. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - (CE(LRC) & UK CA SPEC) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222142	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - 460SJ	C
1	3910804	6	Screw #8 x 1/4	
2	4360387	1	Switch, Push Button	
3	4360469	1	Switch, Key	
3	2860030	1 set	Key, Replacement	
4	1001151393	1	Shim .063	
5	1001176469	1	Shroud, Switch	
6	1001221405	1	Decal - Ground Control	
7	1001239293	1	Mount	

FIGURE 2-38. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - (STAGE V) (CE & UK CA SPECS) (460SJ)

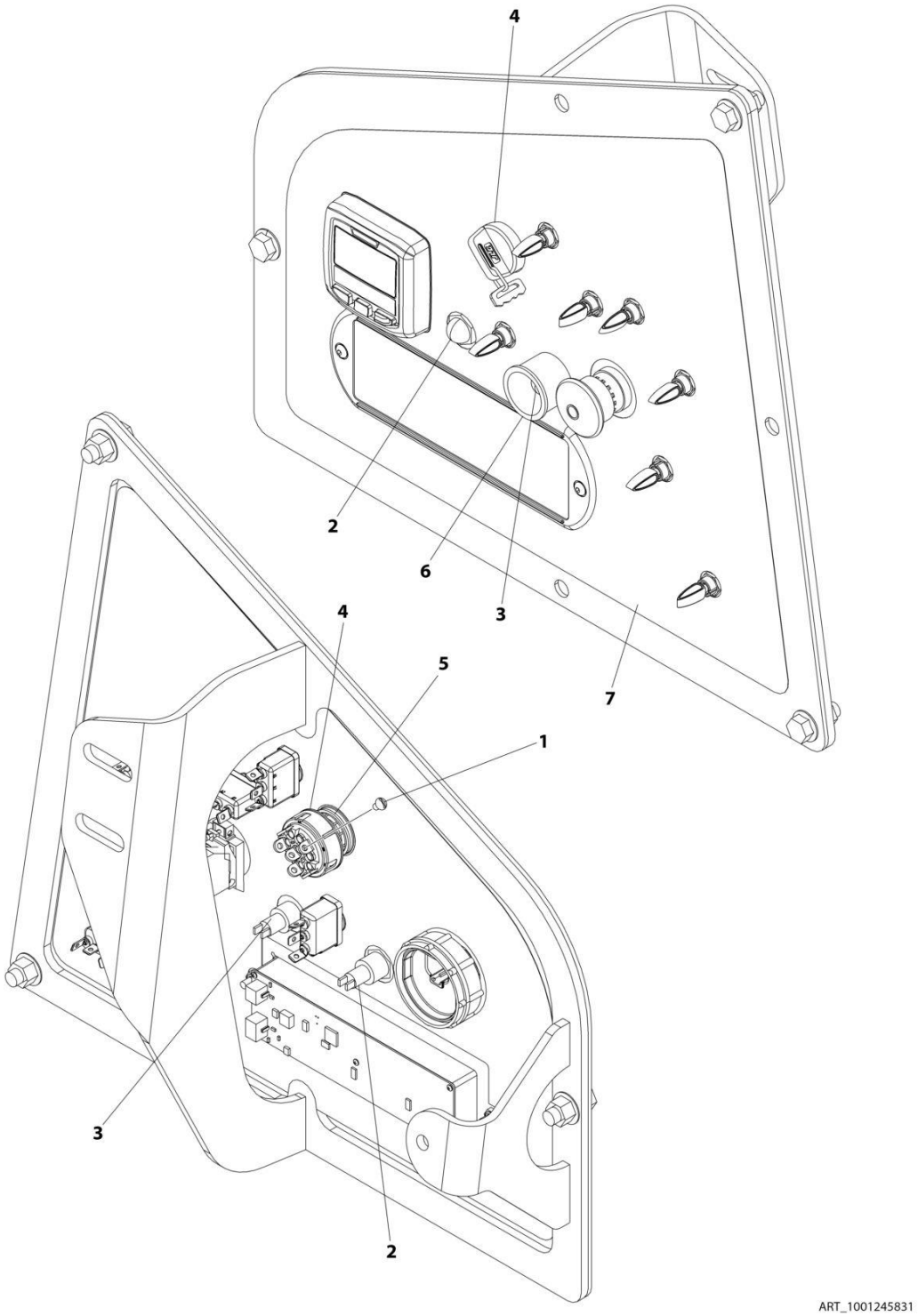


FIGURE 2-38. GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION - (STAGE V) (CE & UK CA SPECS) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245831	Ref	GROUND CONTROL DECAL AND KEYSWITCH INSTALLATION	B
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	1001245827	1	Decal, Ground Control	

FIGURE 2-39. LIGHT PANEL INSTALLATION

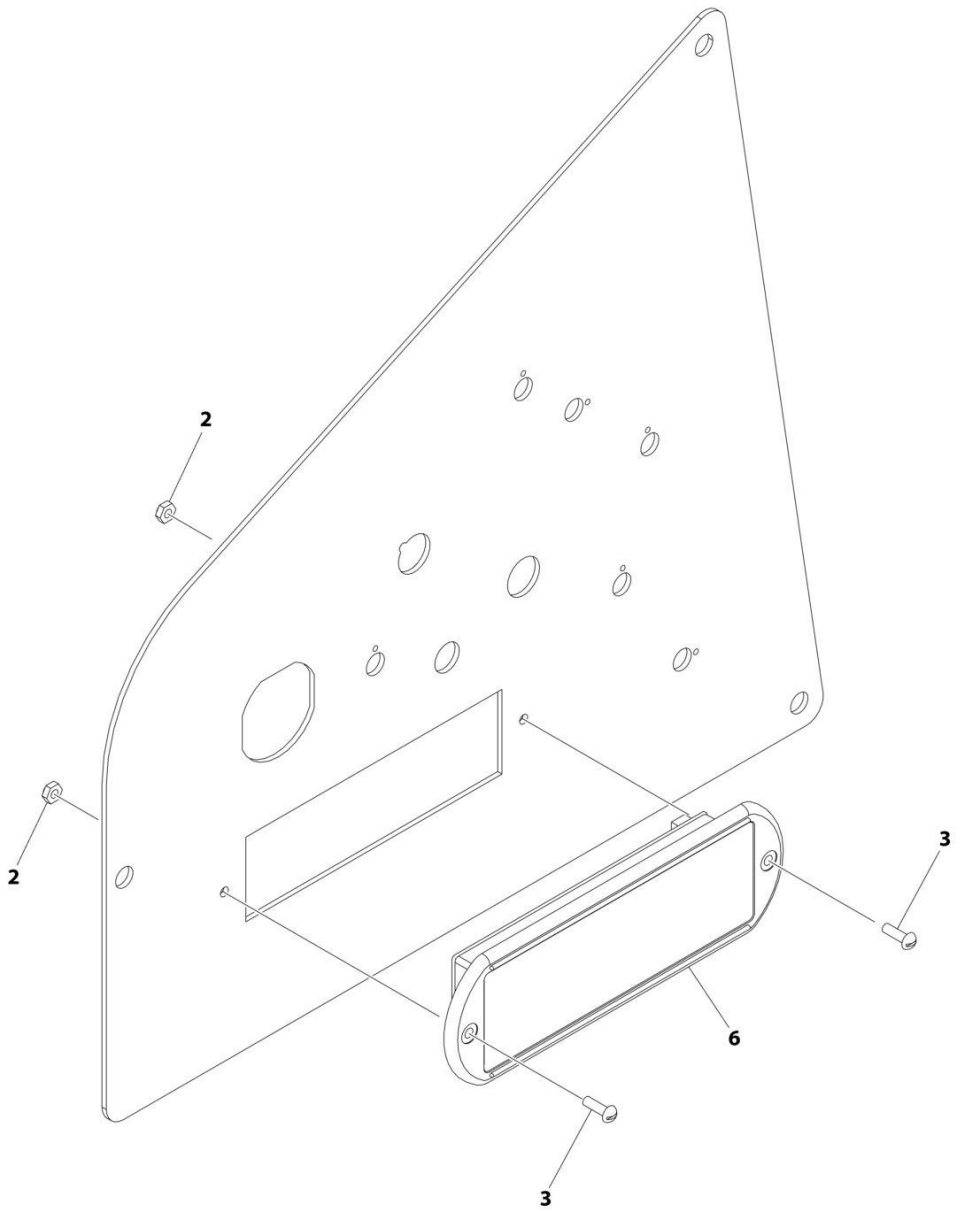


FIGURE 2-39. LIGHT PANEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242680	Ref	LIGHT PANEL INSTALLATION	B
2	3300408	2	Nut, Lock	
3	3911010	2	Screw #10 x 5/8	
6	1001237546	1	Light Panel Electrical Assembly	

FIGURE 2-40. LIGHT PANEL INSTALLATION - 1K45FT (460SJ)

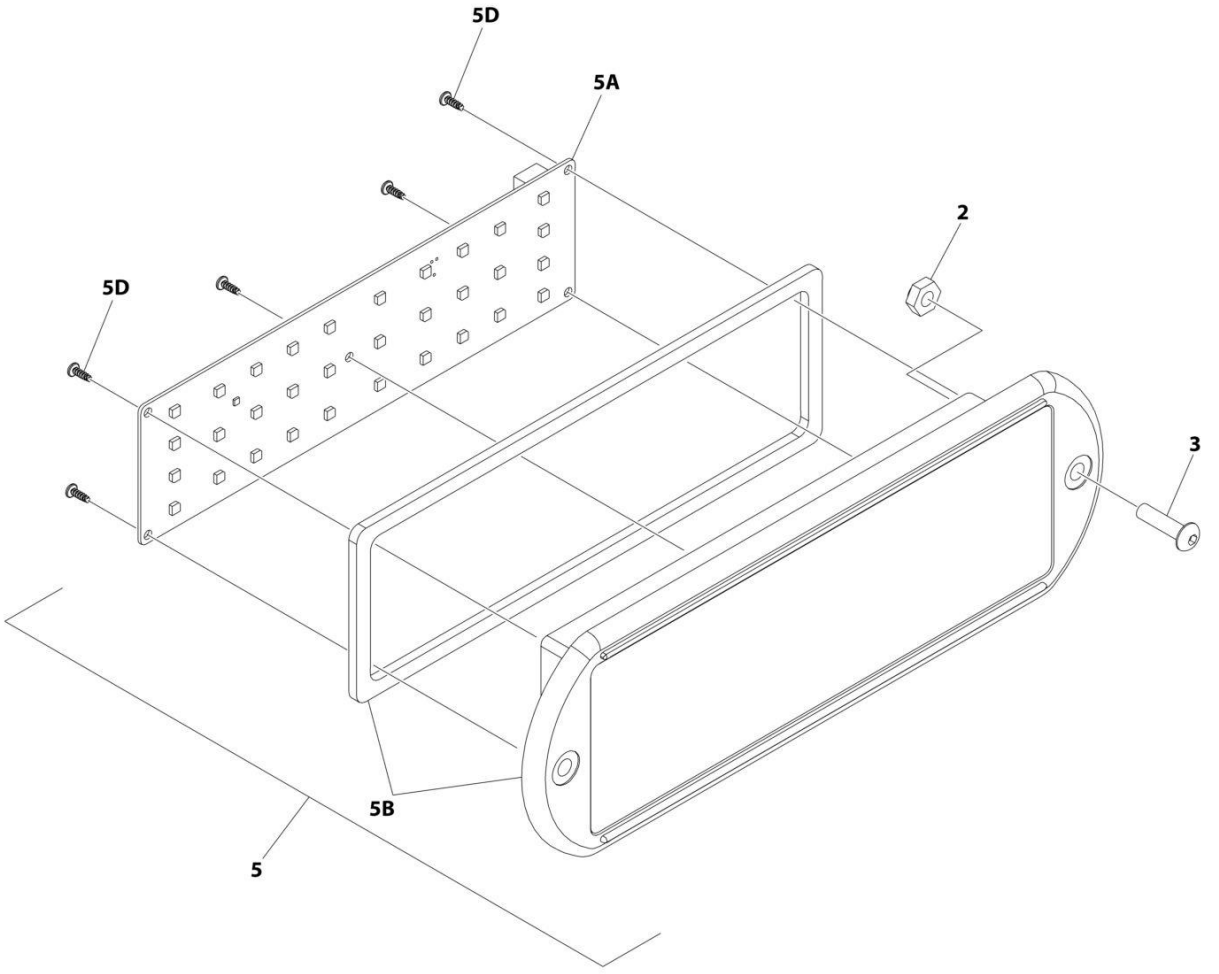


FIGURE 2-40. LIGHT PANEL INSTALLATION - 1K45FT (460SJ)

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

FIGURE 2-41. BEACON LIGHT INSTALLATION - AMBER

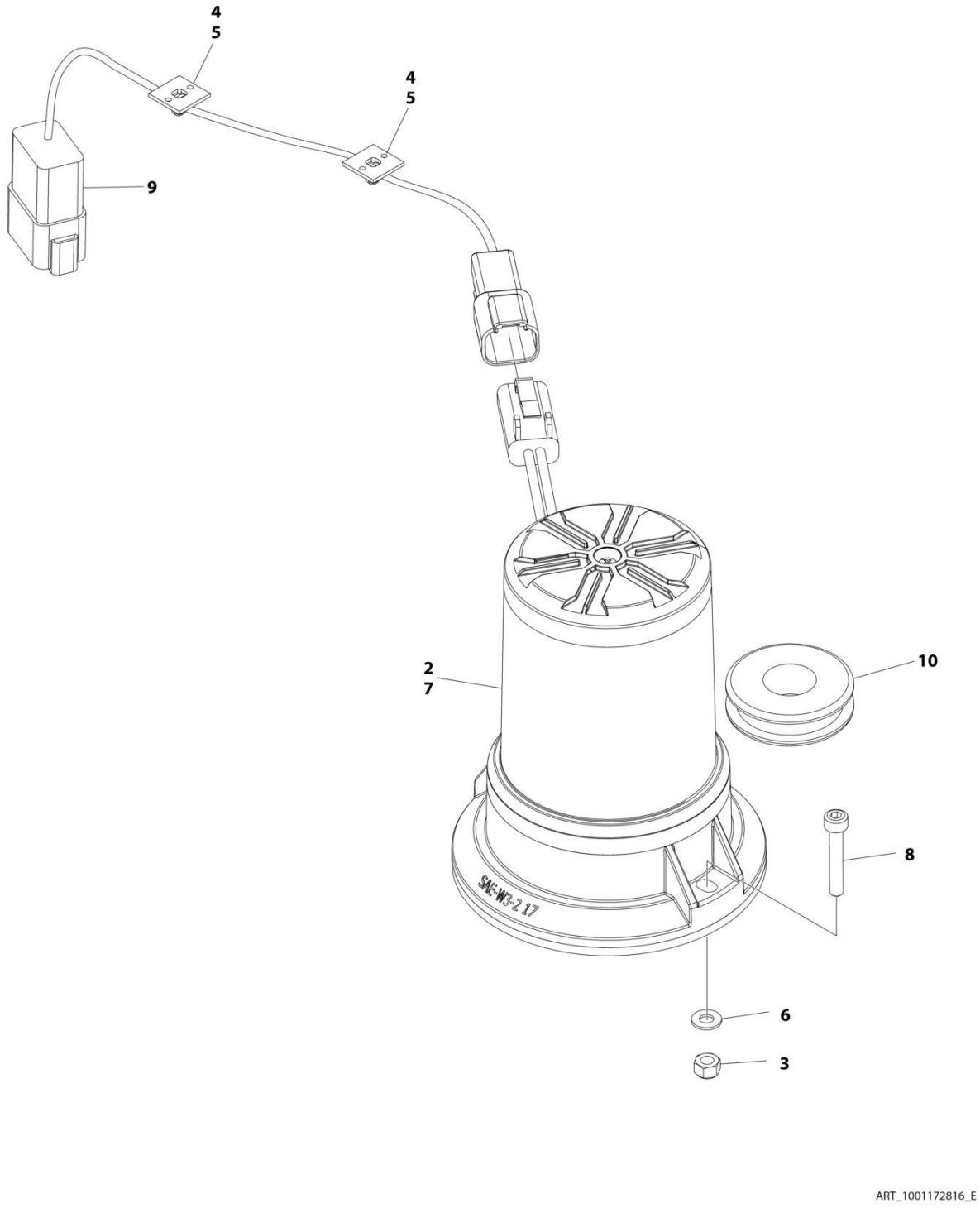


FIGURE 2-41. BEACON LIGHT INSTALLATION - AMBER

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

FIGURE 2-42. BEACON LIGHT INSTALLATION - BLUE

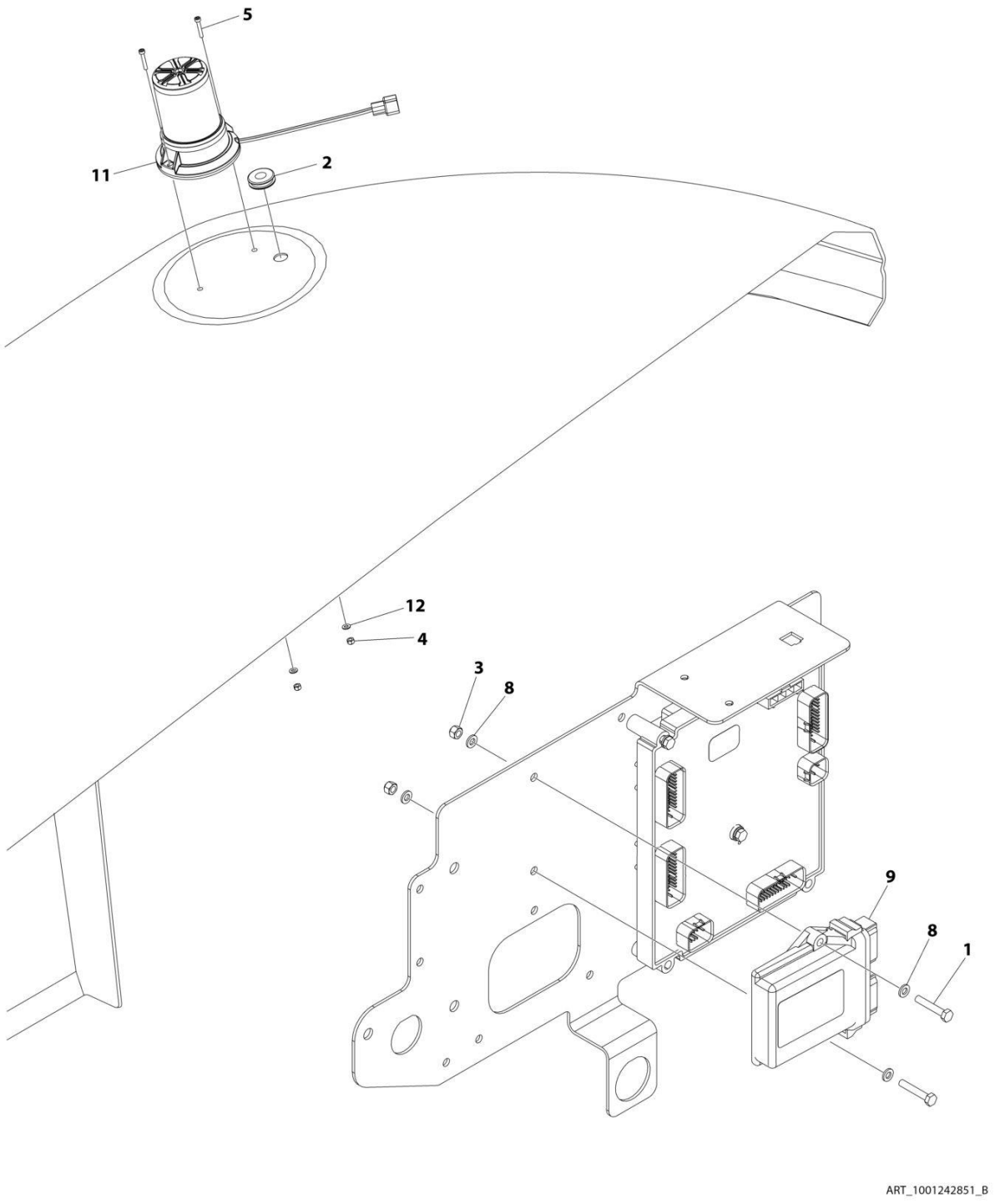


FIGURE 2-42. BEACON LIGHT INSTALLATION - BLUE

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

FIGURE 2-43. BEACON LIGHT INSTALLATION - RED

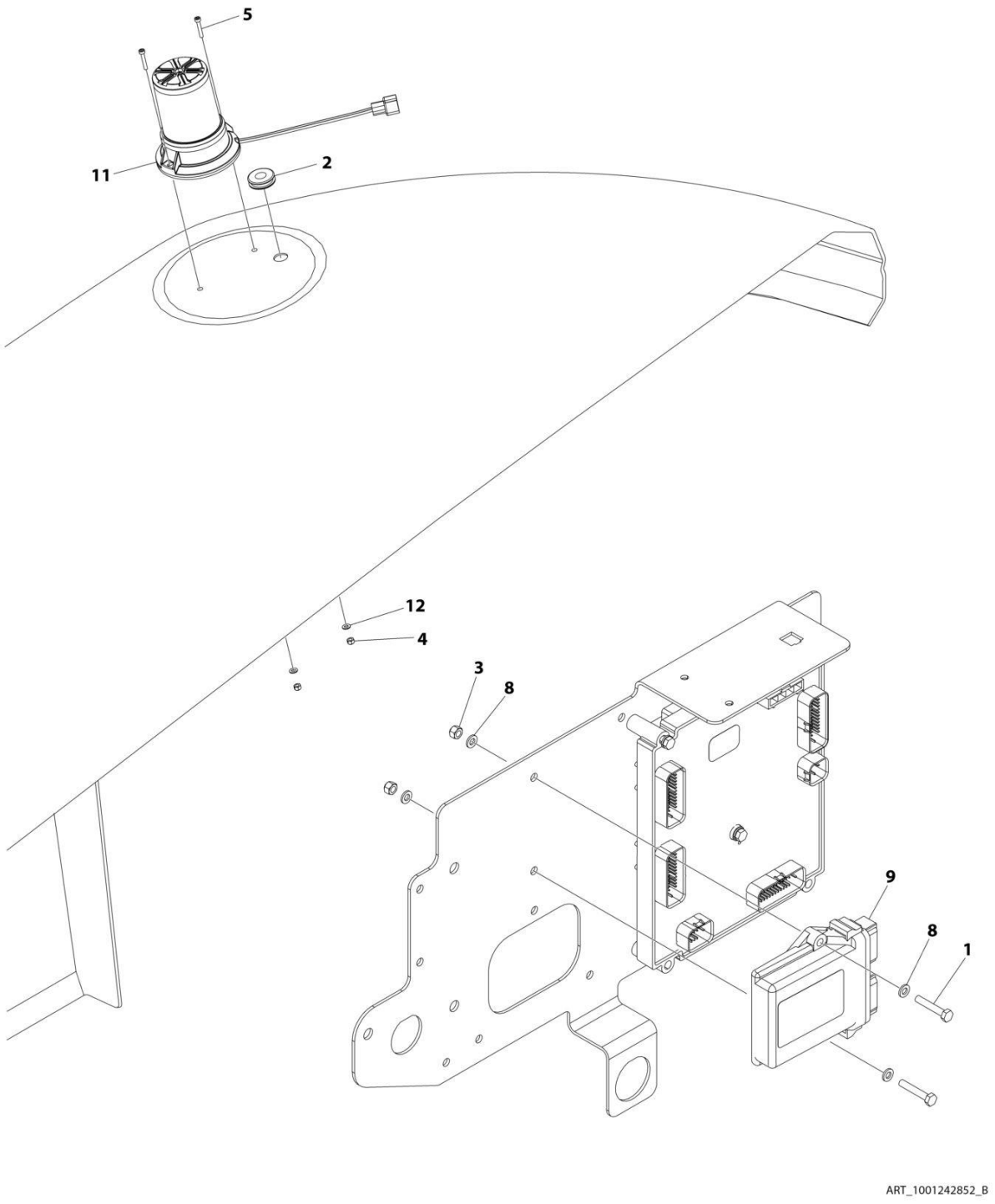


FIGURE 2-43. BEACON LIGHT INSTALLATION - RED

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

FIGURE 2-44. WHITE NOISE ALARM INSTALLATION (AMBIENT)

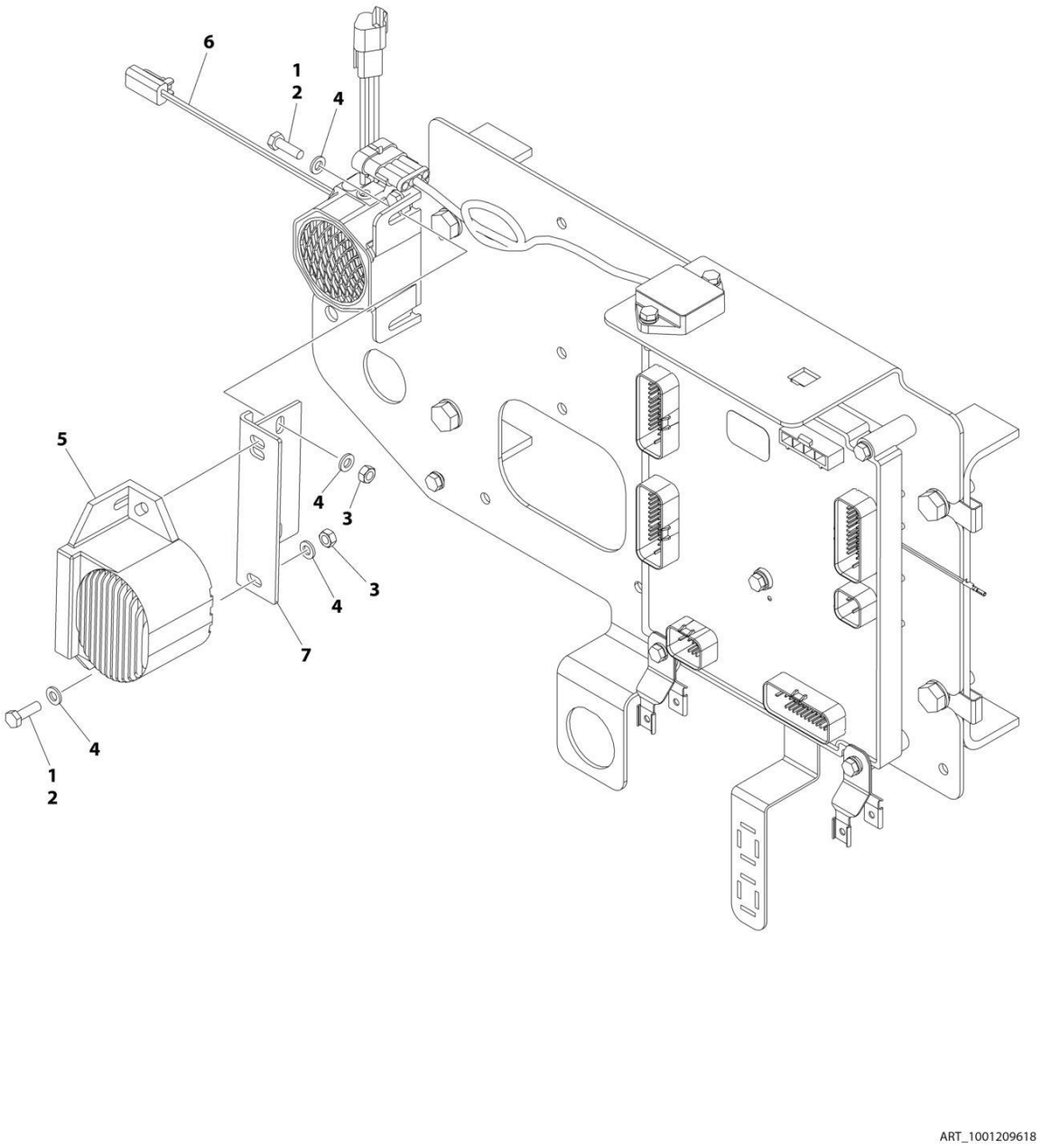


FIGURE 2-44. WHITE NOISE ALARM INSTALLATION (AMBIENT)

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	

FIGURE 2-45. WHITE NOISE ALARM INSTALLATION (CONSTANT)

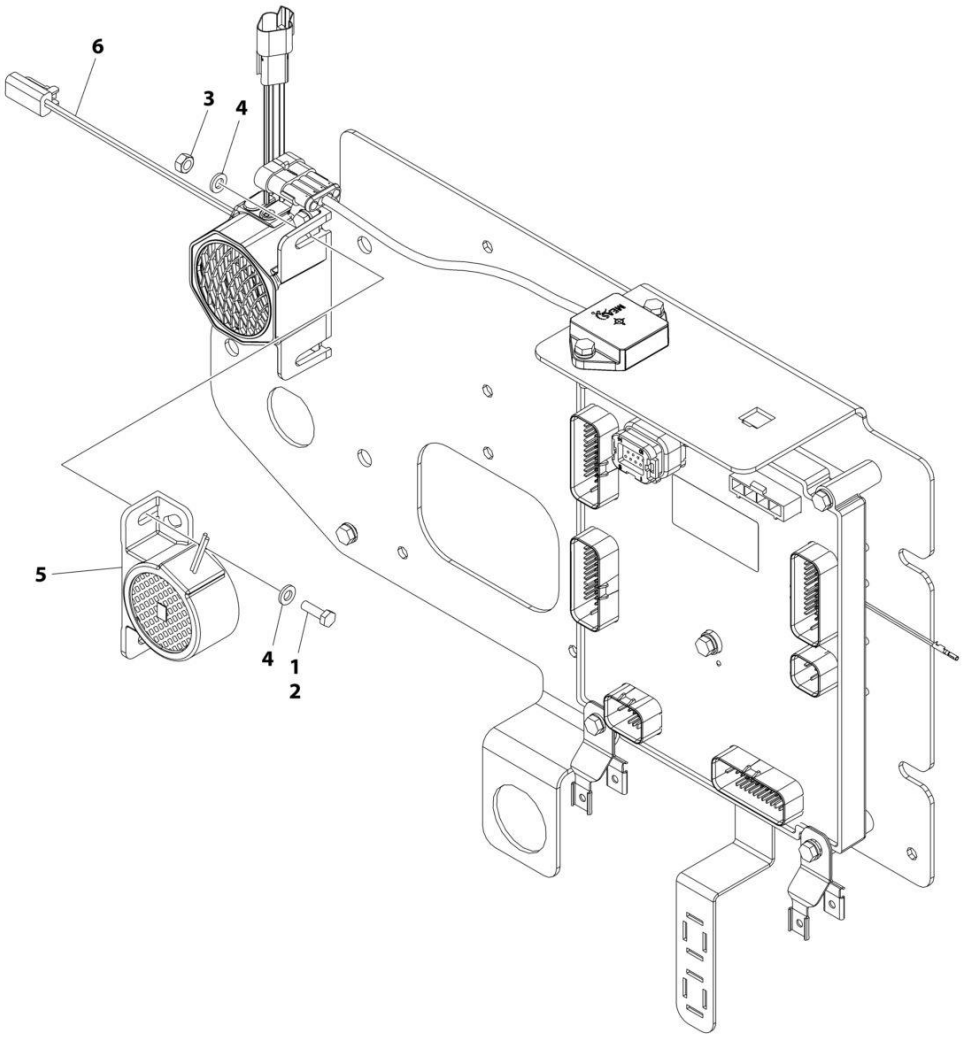
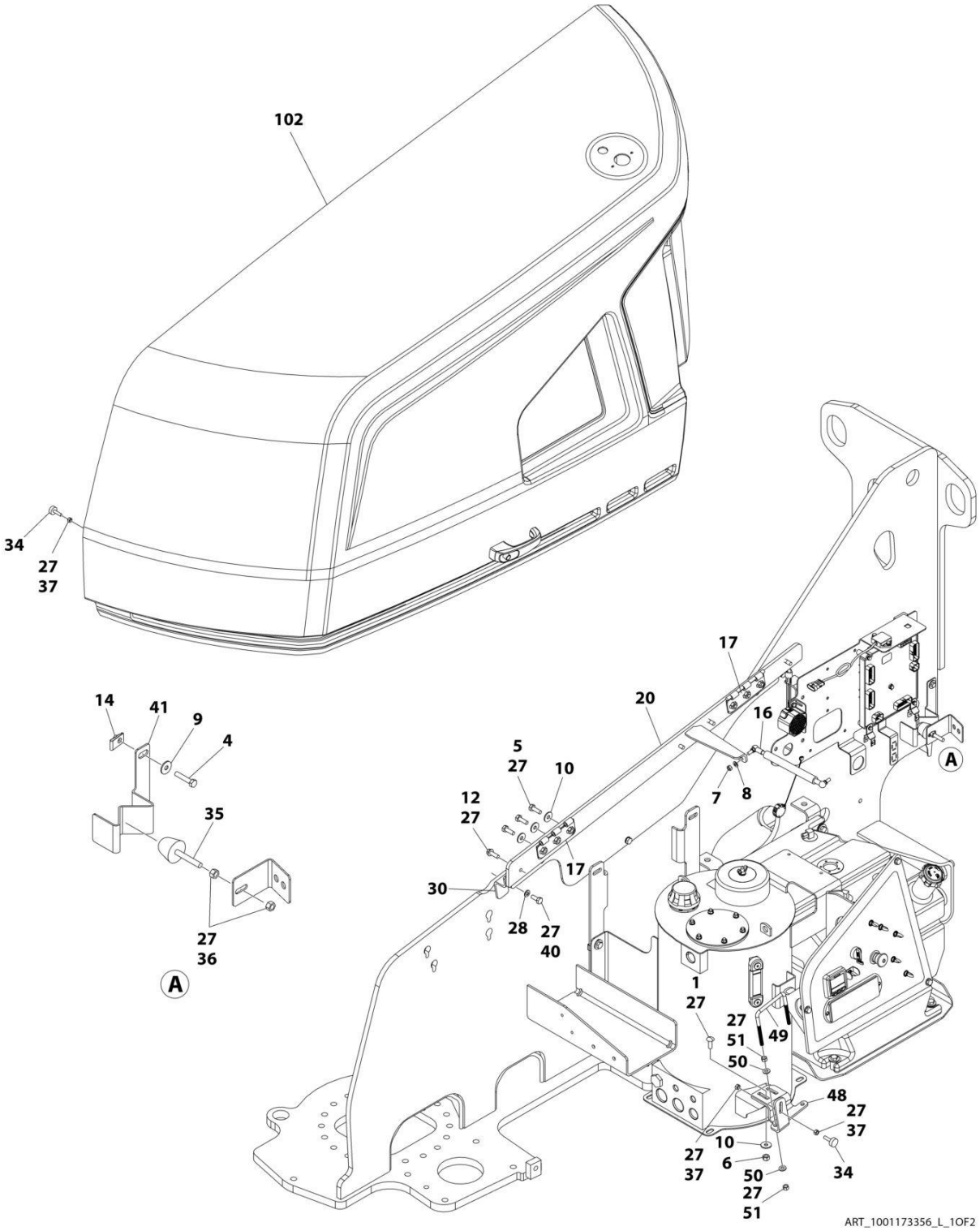
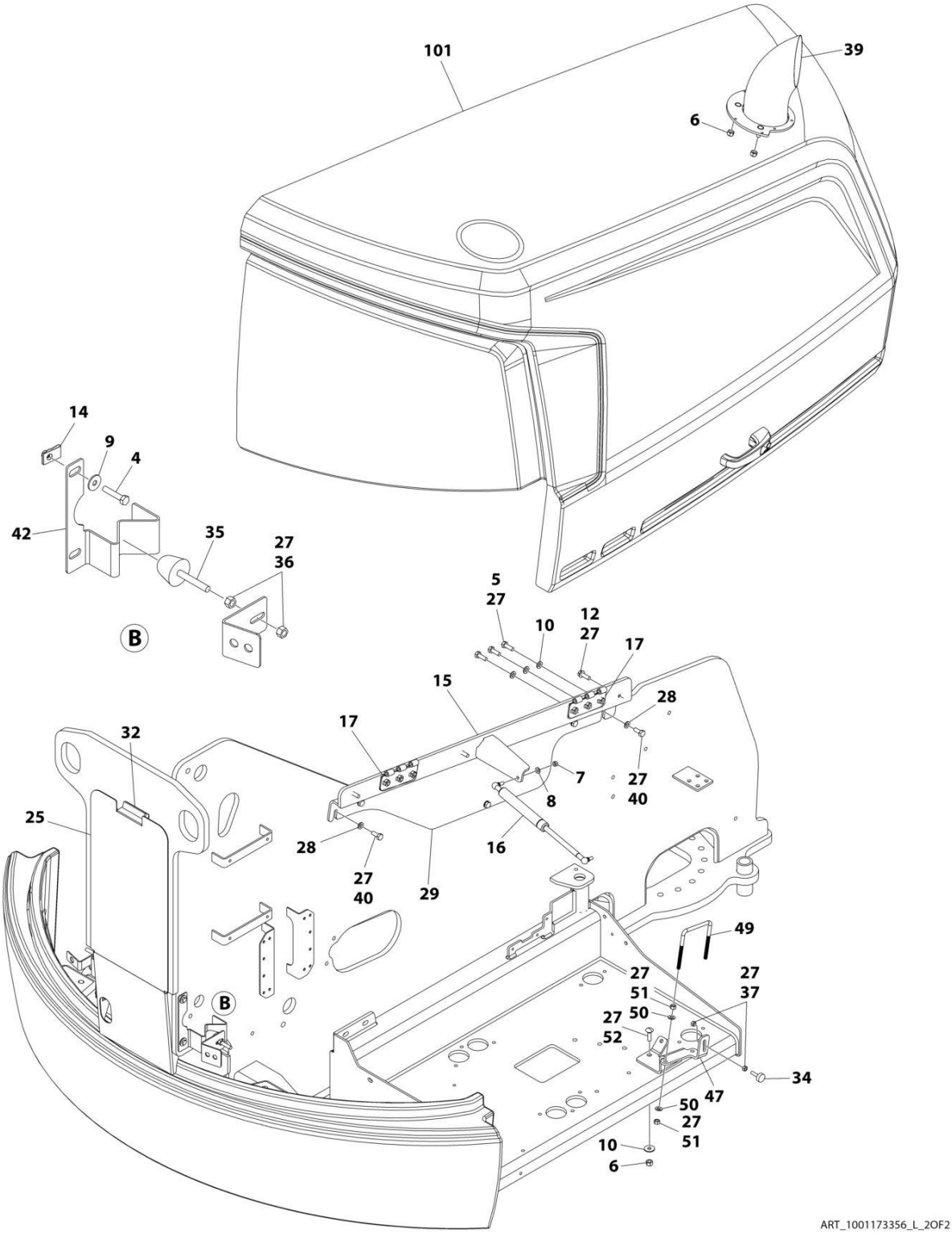


FIGURE 2-45. WHITE NOISE ALARM INSTALLATION (CONSTANT)

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

FIGURE 2-46. HOOD INSTALLATION - ABS (DEUTZ ENGINES)




101
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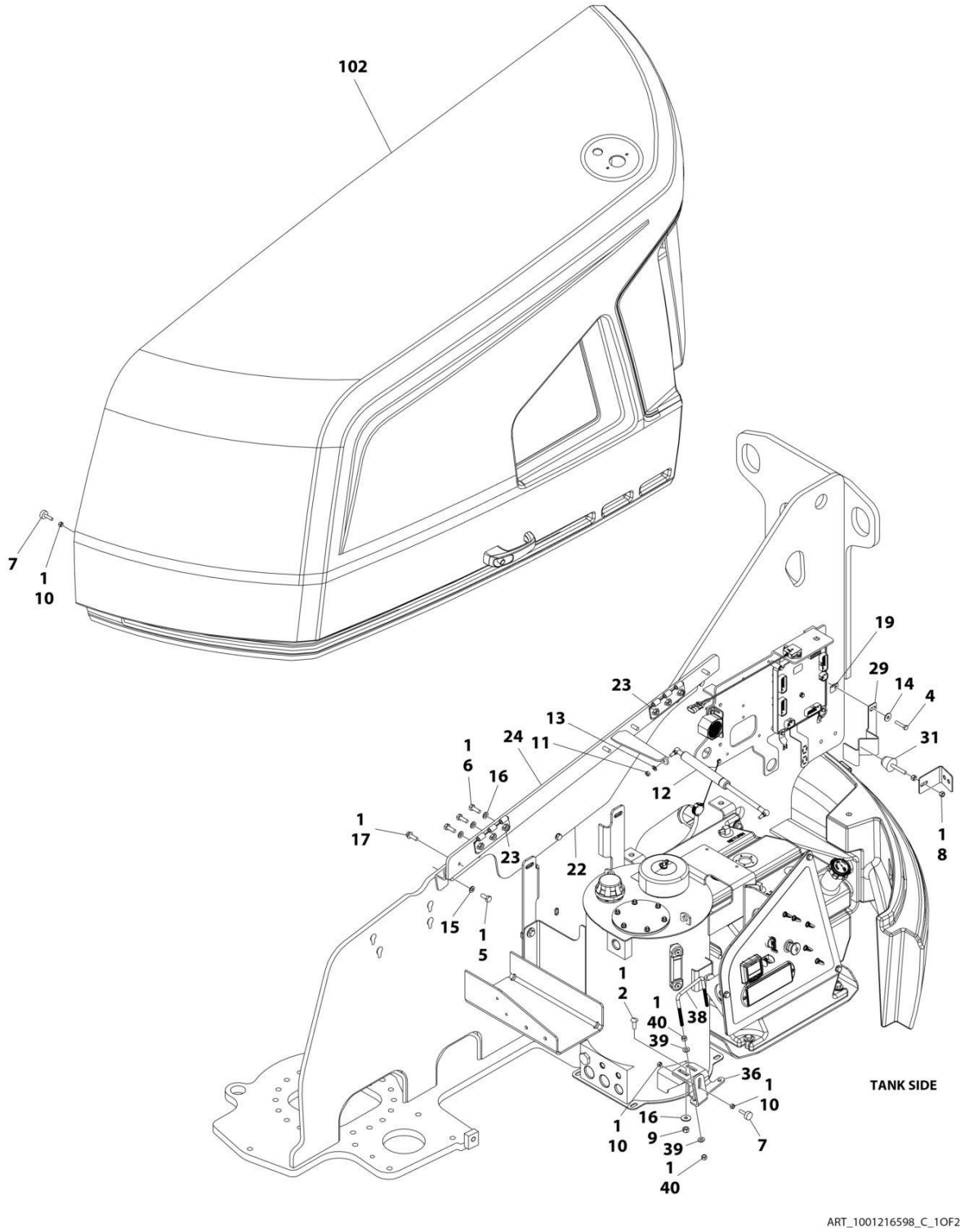
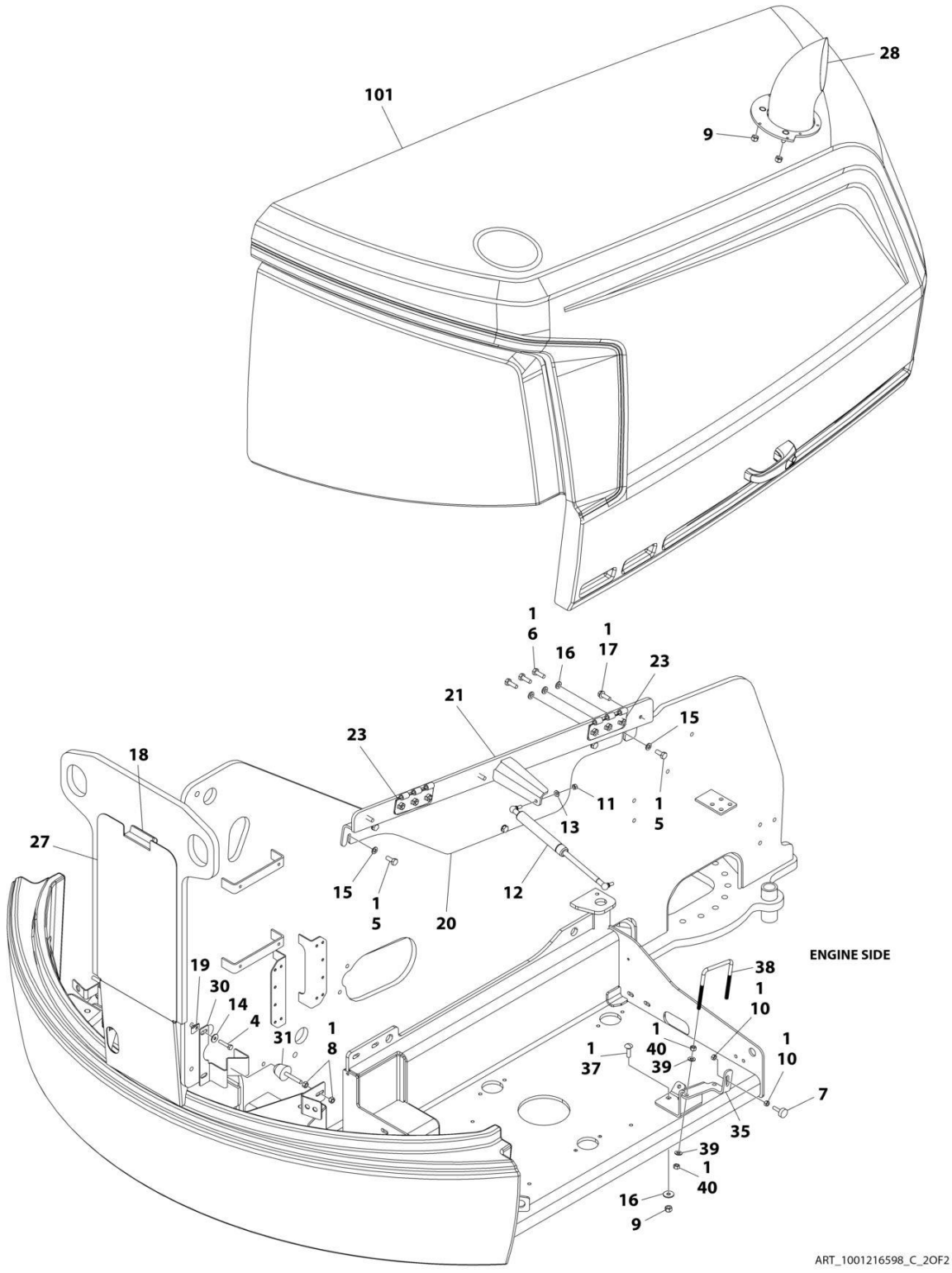
6
B
ART_1001173356_L_2OF2

FIGURE 2-46. HOOD INSTALLATION - ABS (DEUTZ ENGINES)

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

FIGURE 2-47. HOOD INSTALLATION - ABS (KUBOTA ENGINES)




101
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1
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21
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23
18
11
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13
27
15
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20
12
ENGINE SIDE
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14
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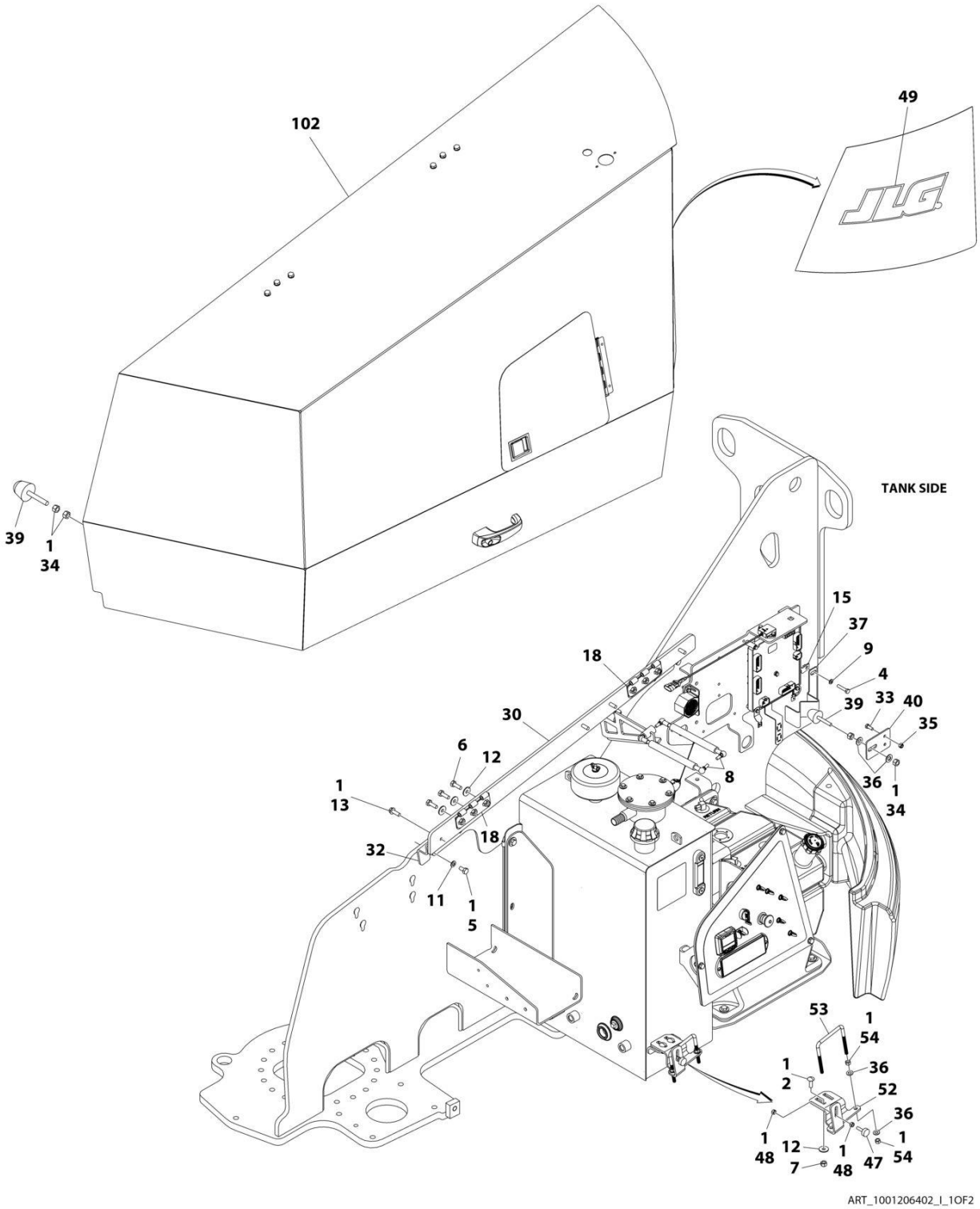
31
1
8
38
1
10
1
40
37
39
1
10
7
35
39
1
40
16
9
ART_1001216598_C_2OF2

FIGURE 2-47. HOOD INSTALLATION - ABS (KUBOTA ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216598	Ref	KUBOTA HOOD INSTALLATION	C
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	12	Bolt M10 x 30	
7	0940049	4	Stopper	
8	3271601	4	Nut 3/8	
9	3291005	7	Nut M10	
10	3311501	8	Nut 5/16	
11	3311505	2	Nut 5/16	
12	4160182	2	Spring, Gas	
13	4711500	2	Washer 5/16	
14	4811902	4	Washer M8	
15	4812000	10	Washer M10	
16	4812002	16	Washer M10	
17	5251014	8	Bolt M10 x 30	
18	90200755	3.35 in/ 8.5cm	Tape, Gasket	
19	1001149160	4	Nut, Tinnerman M8	
20	1001165060	1	Plate	
21	1001167159	1	Mount, Adjustment	
22	1001168173	1	Mount, Hinge	
23	1001169046	4	Nut	
24	1001170850	1	Mount, Adjustment	
27	1001173354	1	Cover	
28	1001174098	1	Outlet, Exhaust	
29	1001199207	1	Bracket, Bumper	
30	1001199901	1	Bracket, Bumper	
31	1001206314	2	Bumper	
35	1001250288	1	Bracket, Engine	
36	1001250289	1	Bracket, Tank	
37	1001228406	2	Bolt, Carriage	
38	1001243414	2	Bolt, U-bolt	
39	4711600	8	Washer 3/8	
40	3311601	8	Nut 3/8	
100	1001285518	1	Hood Kit (Not Shown - Includes Items 101 & 102)	
101	1001170551	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
102	1001285517	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	

FIGURE 2-48. HOOD INSTALLATION - STEEL



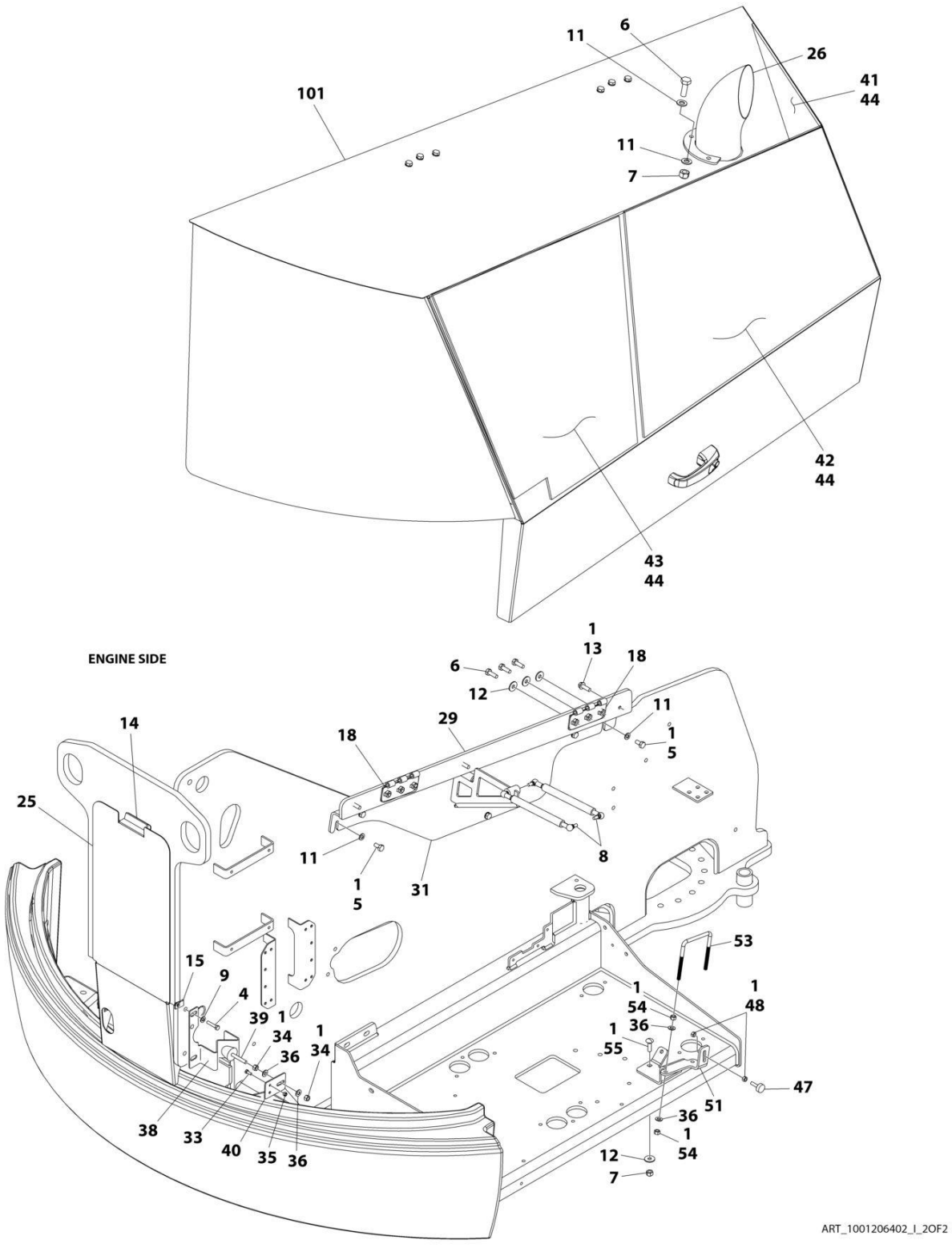

ENGINE SIDE
ART_1001206402_I_2OF2

FIGURE 2-48. HOOD INSTALLATION - STEEL

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

FIGURE 2-49. ABS HOOD ASSEMBLY - ENGINE SIDE

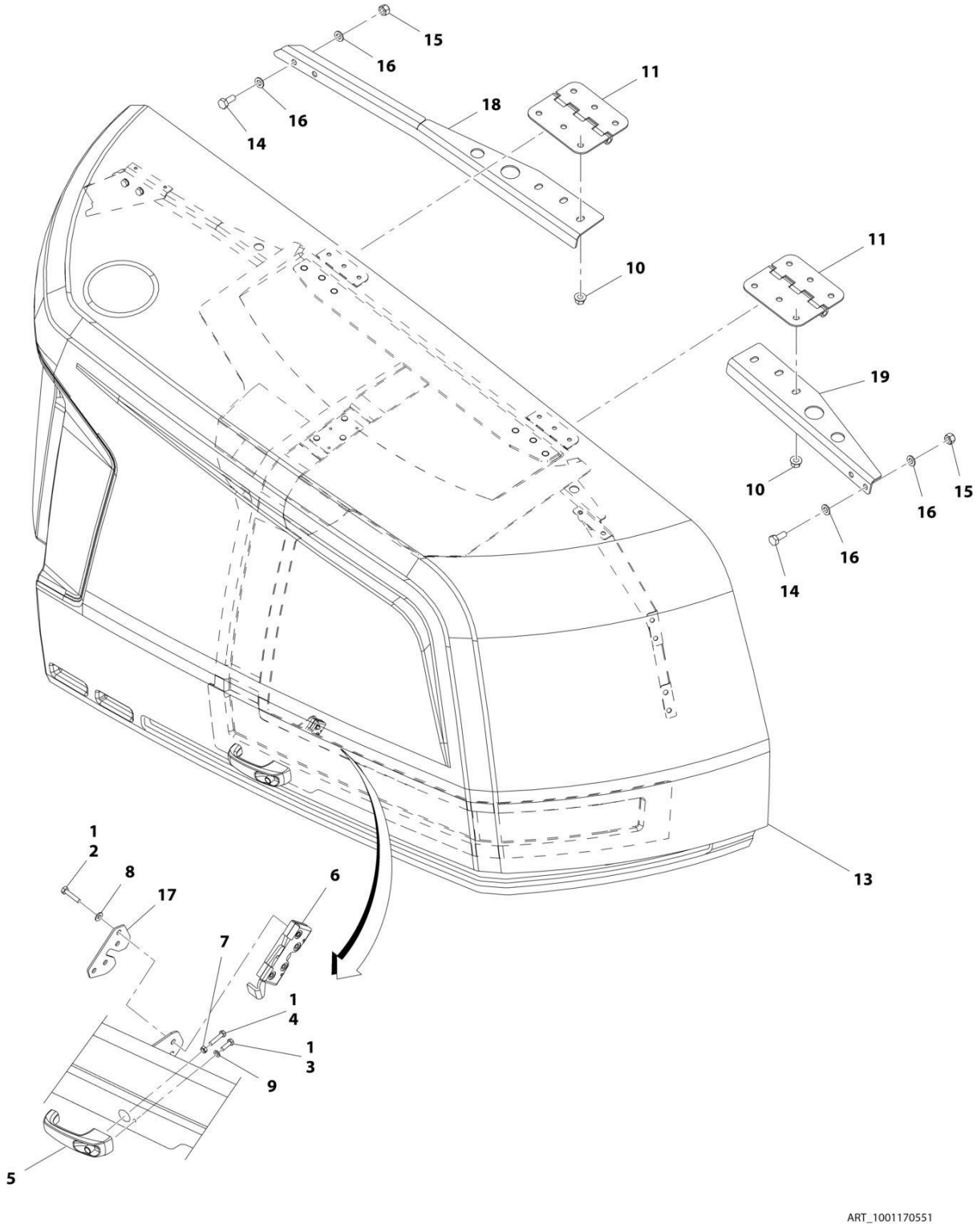


FIGURE 2-49. ABS HOOD ASSEMBLY - ENGINE SIDE

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 2-50. ABS HOOD ASSEMBLY - TANK SIDE

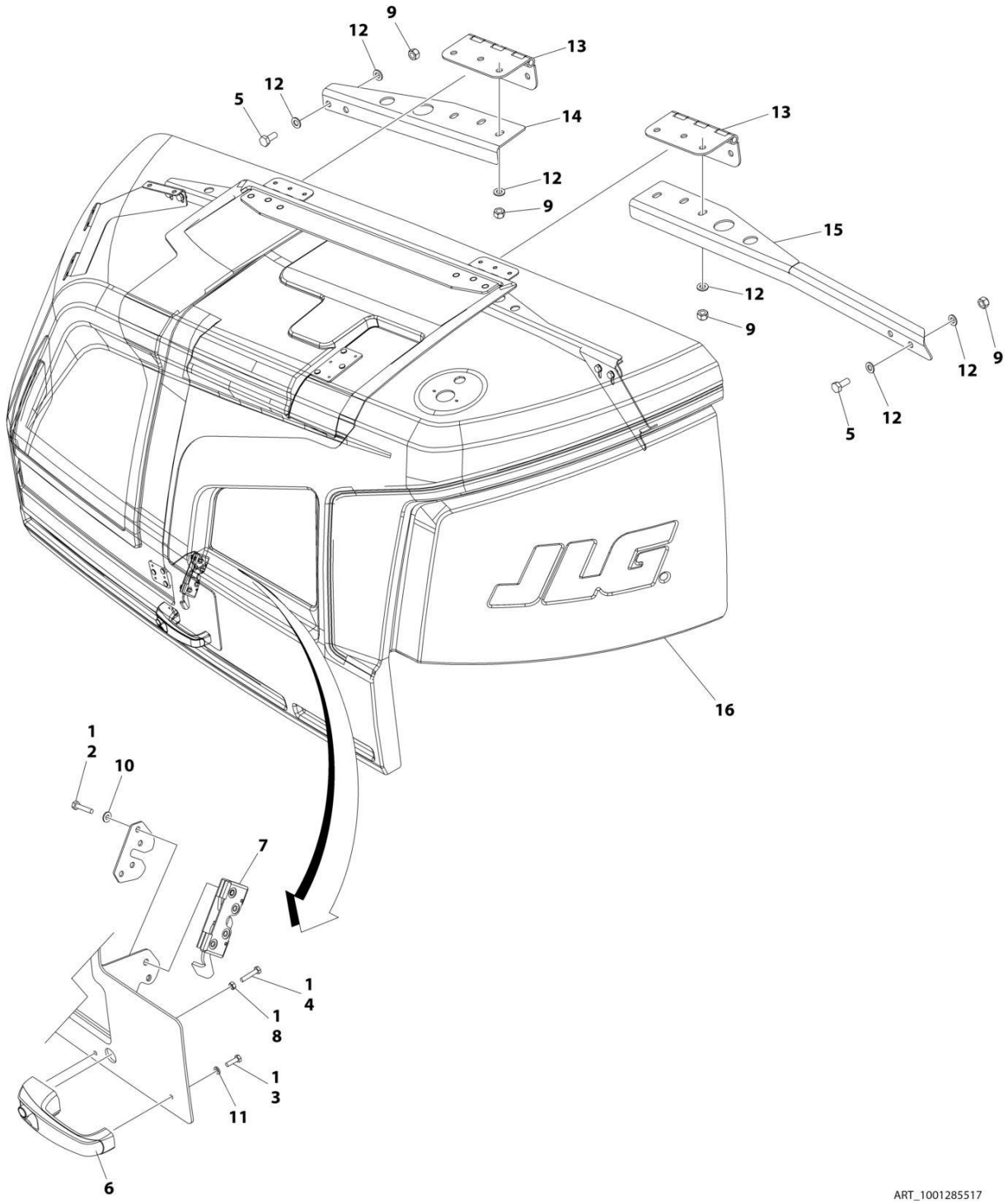


FIGURE 2-50. ABS HOOD ASSEMBLY - TANK SIDE

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

FIGURE 2-51. STEEL HOOD ASSEMBLY - ENGINE SIDE

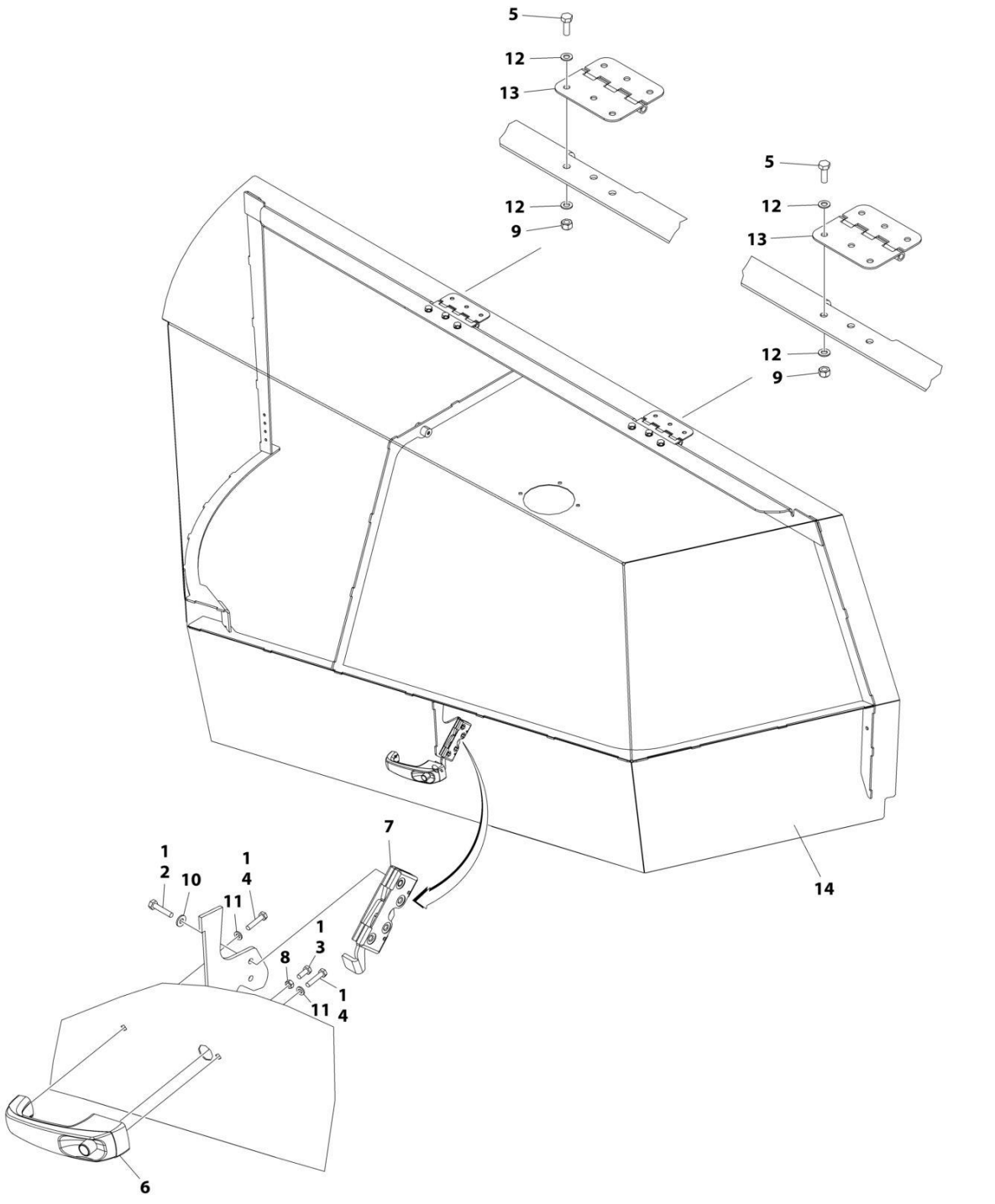


FIGURE 2-51. STEEL HOOD ASSEMBLY - ENGINE SIDE

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 2-52. STEEL HOOD ASSEMBLY - TANK SIDE

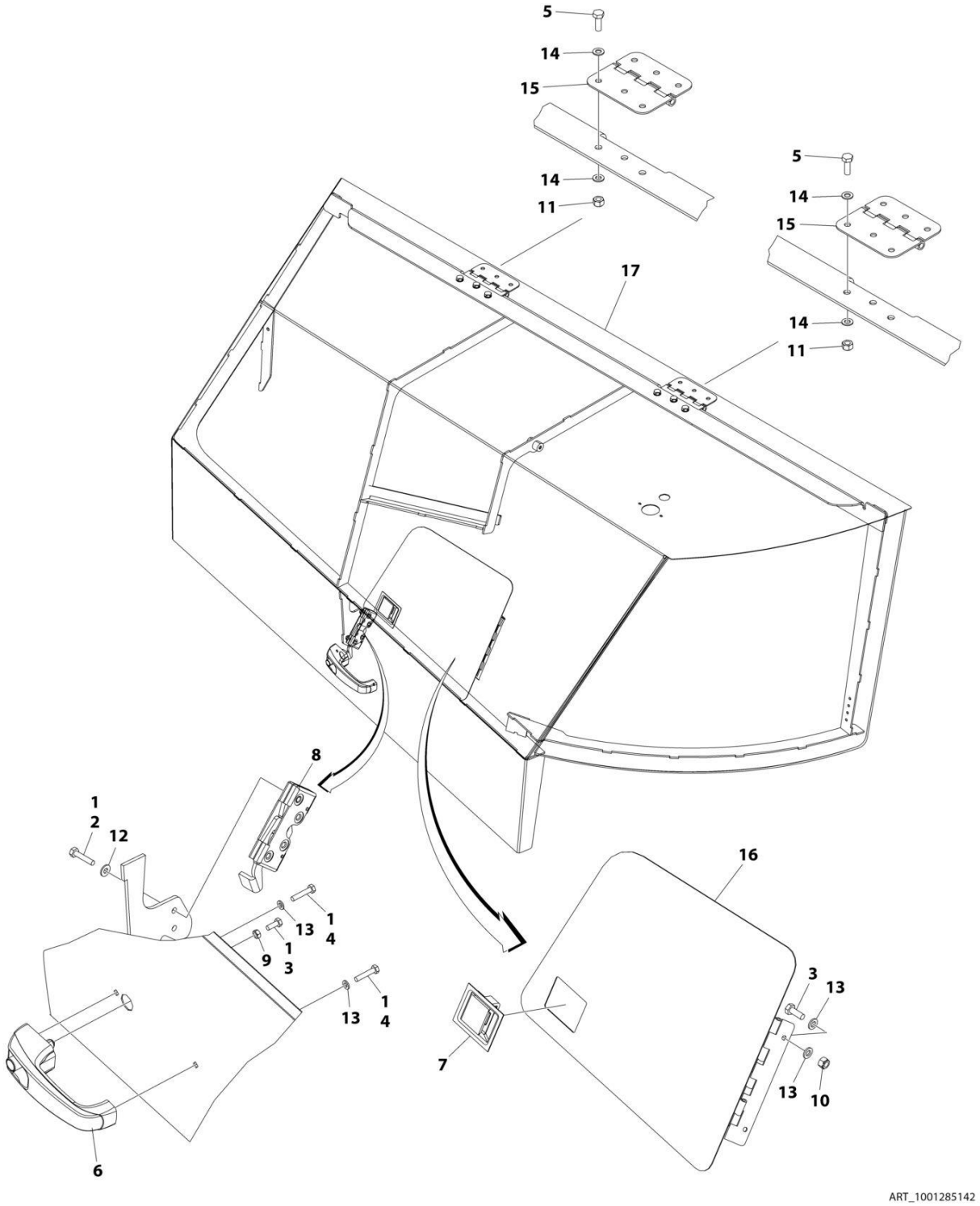


FIGURE 2-52. STEEL HOOD ASSEMBLY - TANK SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285142	Ref	STEEL HOOD ASSEMBLY - TANK SIDE	B
1	0100011	AR	Compound, Locking	
2	0641410	4	Bolt 1/4 x 1-1/4	
3	0760608	3	Bolt M6 x 16	
4	0760614	2	Bolt M6 x 30	
5	0761014	6	Bolt M10 x 30	
6	2560187	1	Handle, Push Button	
7	2940045	1	Latch, Paddle	
8	2940173	1	Latch, Rotary	
9	3290601	1	Nut M6	
10	3290605	2	Nut M6	
11	3291005	6	Nut M10	
12	4711400	4	Washer 1/4	
13	4811700	6	Washer M6	
14	4812000	12	Washer M10	
15	1001139384	2	Hinge	
16	1001207726	1	Door, Ground Control Panel	
17	See Note	NSS	Hood (Note: Use PN 1001285142)	

FIGURE 2-53. SOUND REDUCTION INSTALLATION - KUBOTA ENGINE MACHINES WITH STEEL HOODS

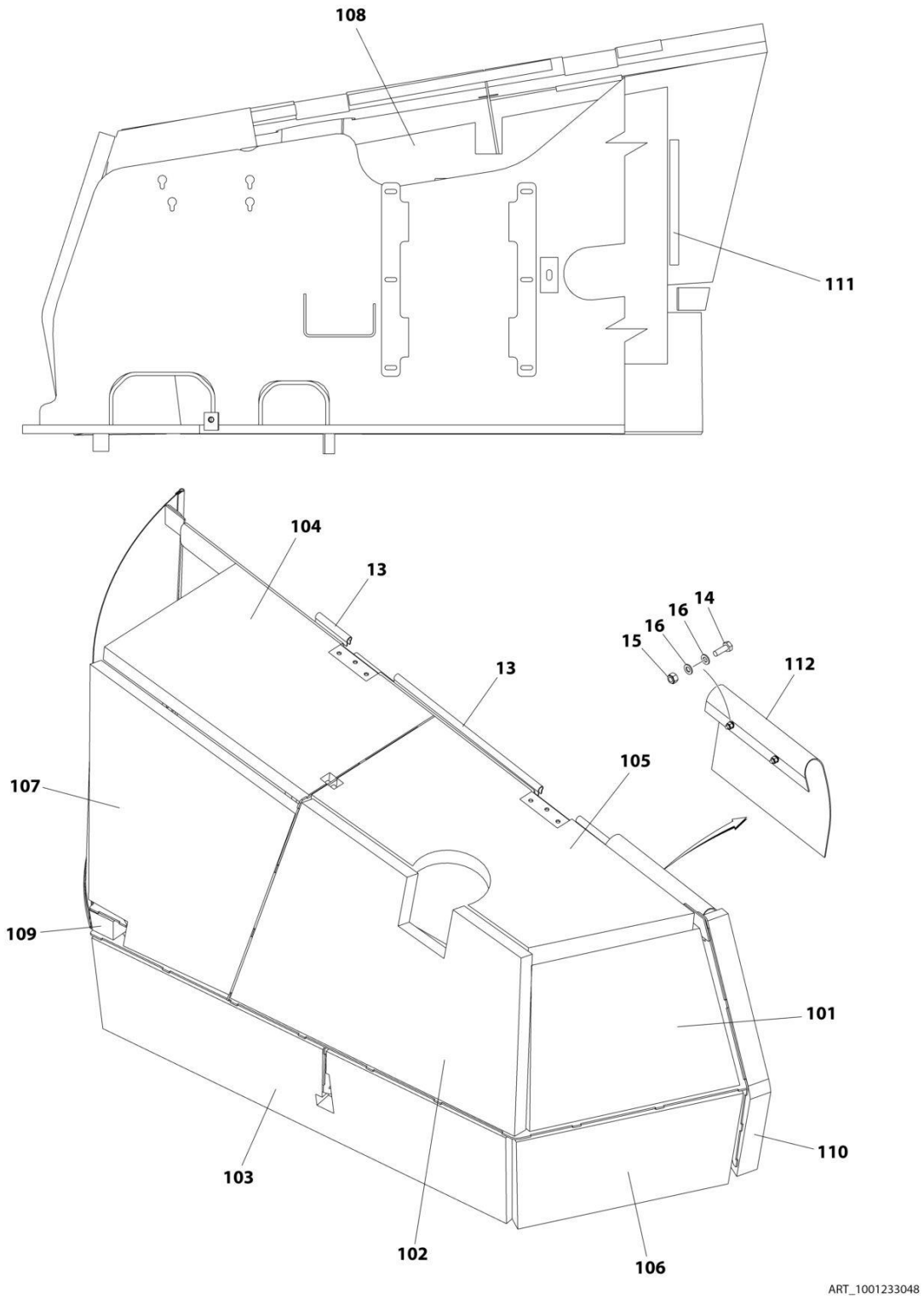


FIGURE 2-53. SOUND REDUCTION INSTALLATION - KUBOTA ENGINE MACHINES WITH STEEL HOODS

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 2-54. HOOD PLUGS INSTALLATION (HOODS WITHOUT STROBE LIGHT)

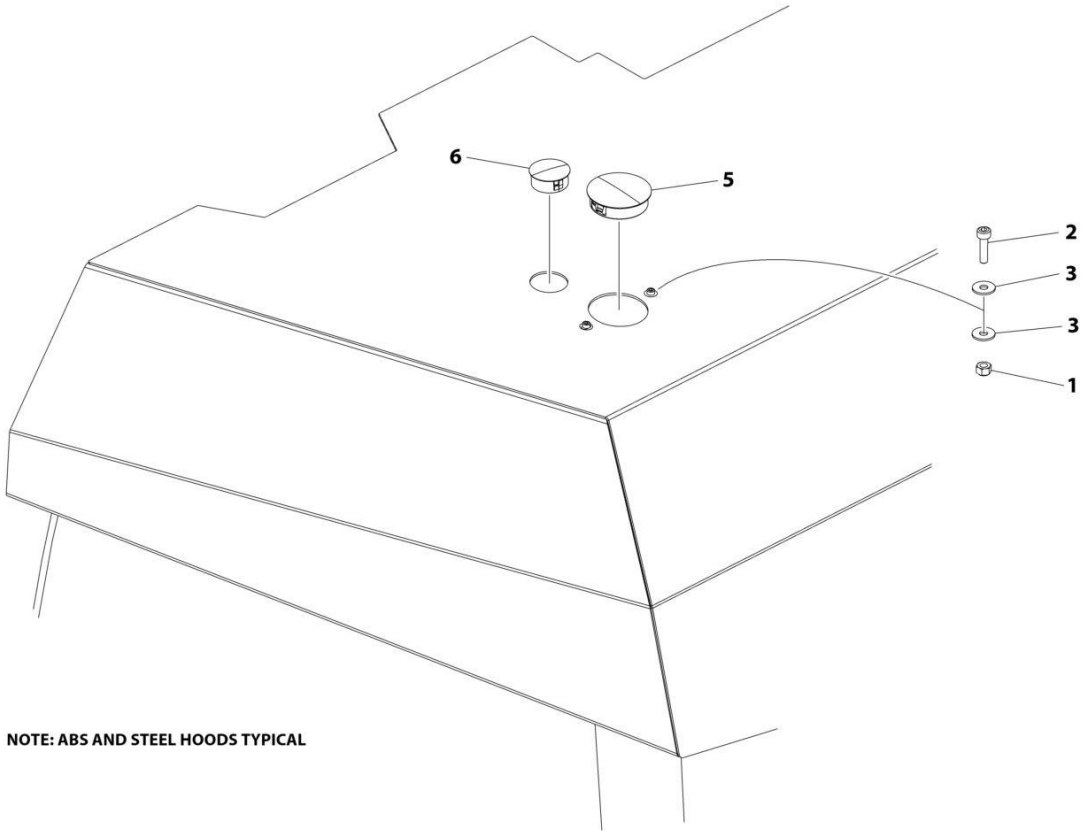
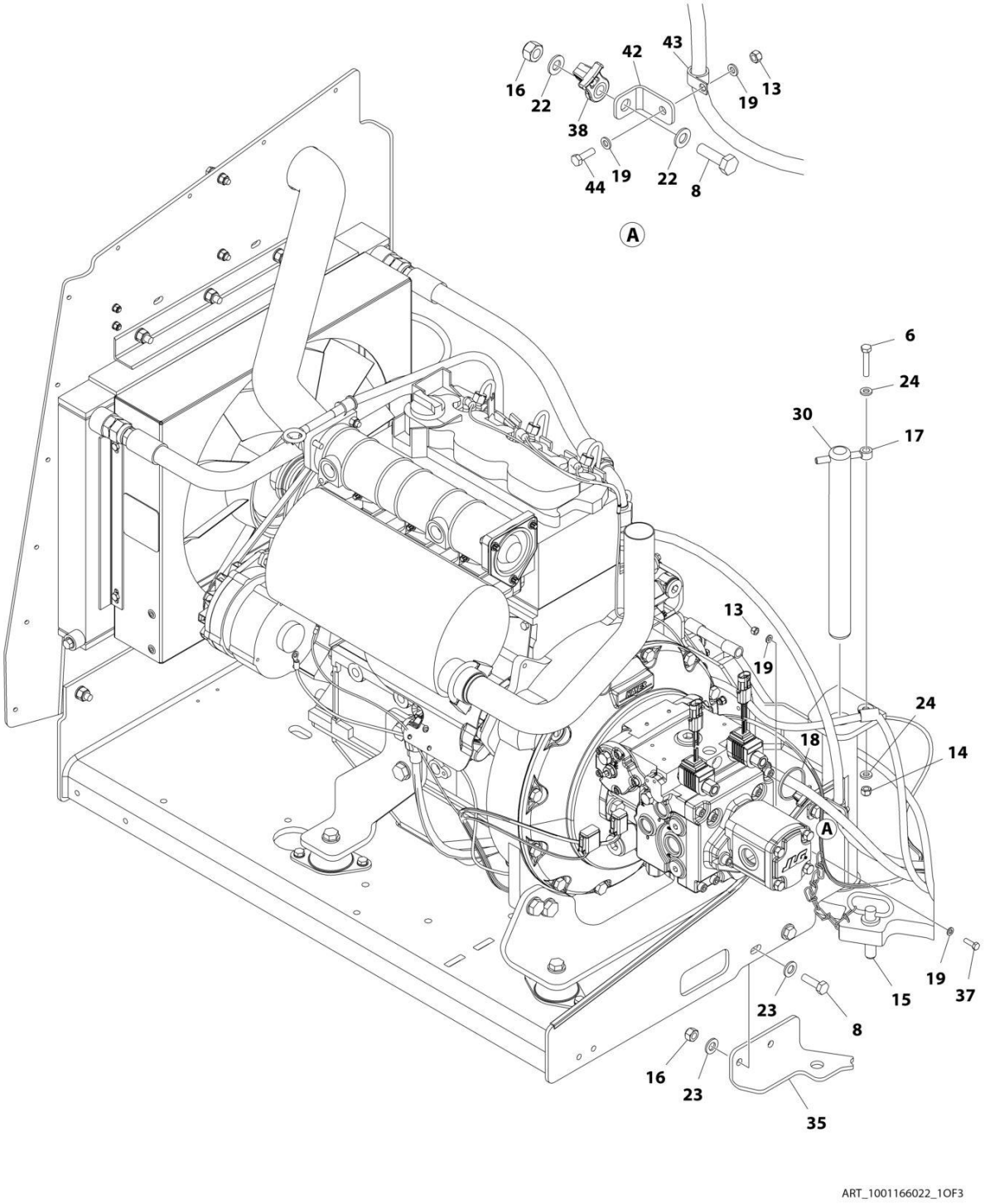


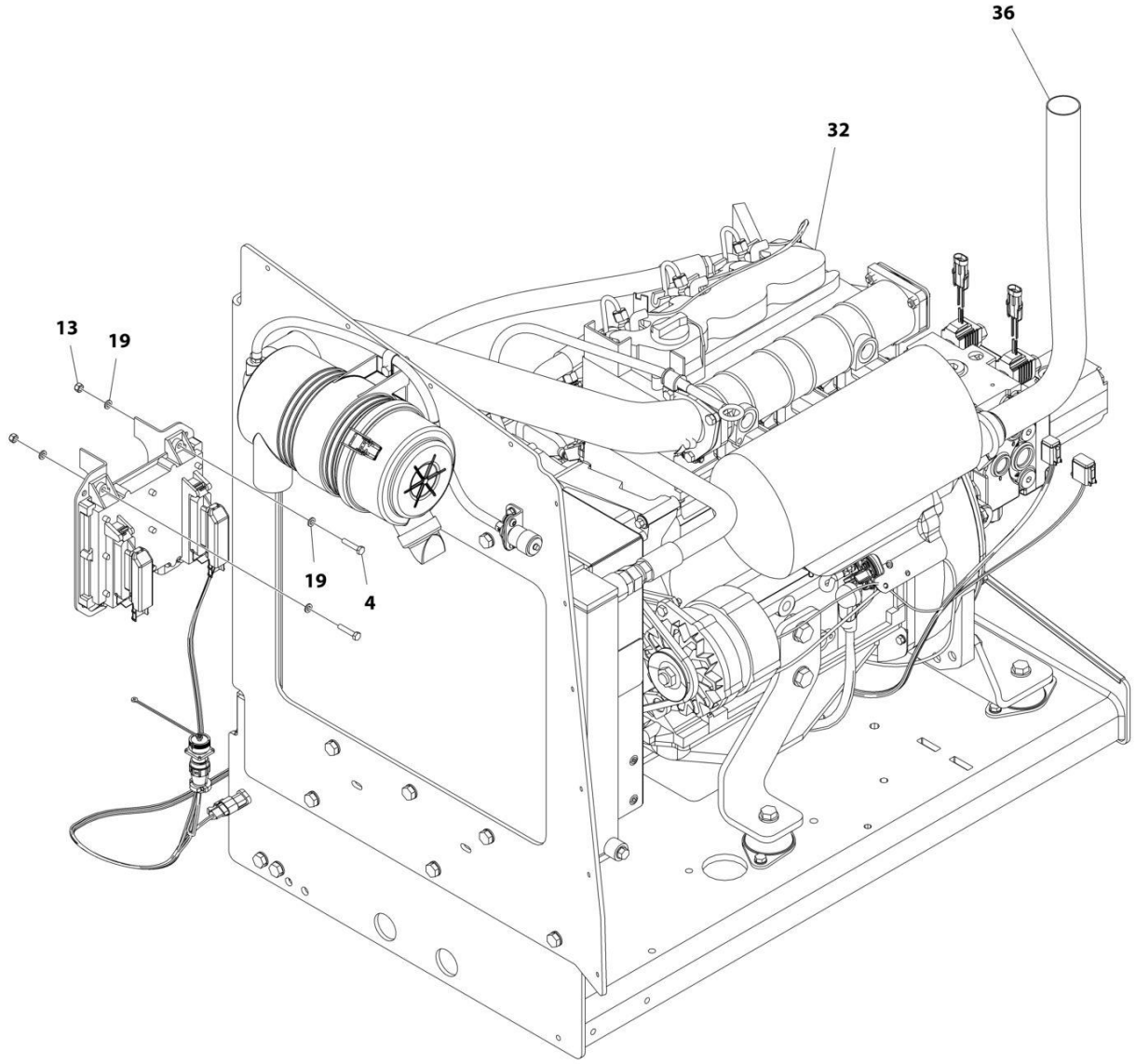
FIGURE 2-54. HOOD PLUGS INSTALLATION (HOODS WITHOUT STROBE LIGHT)

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

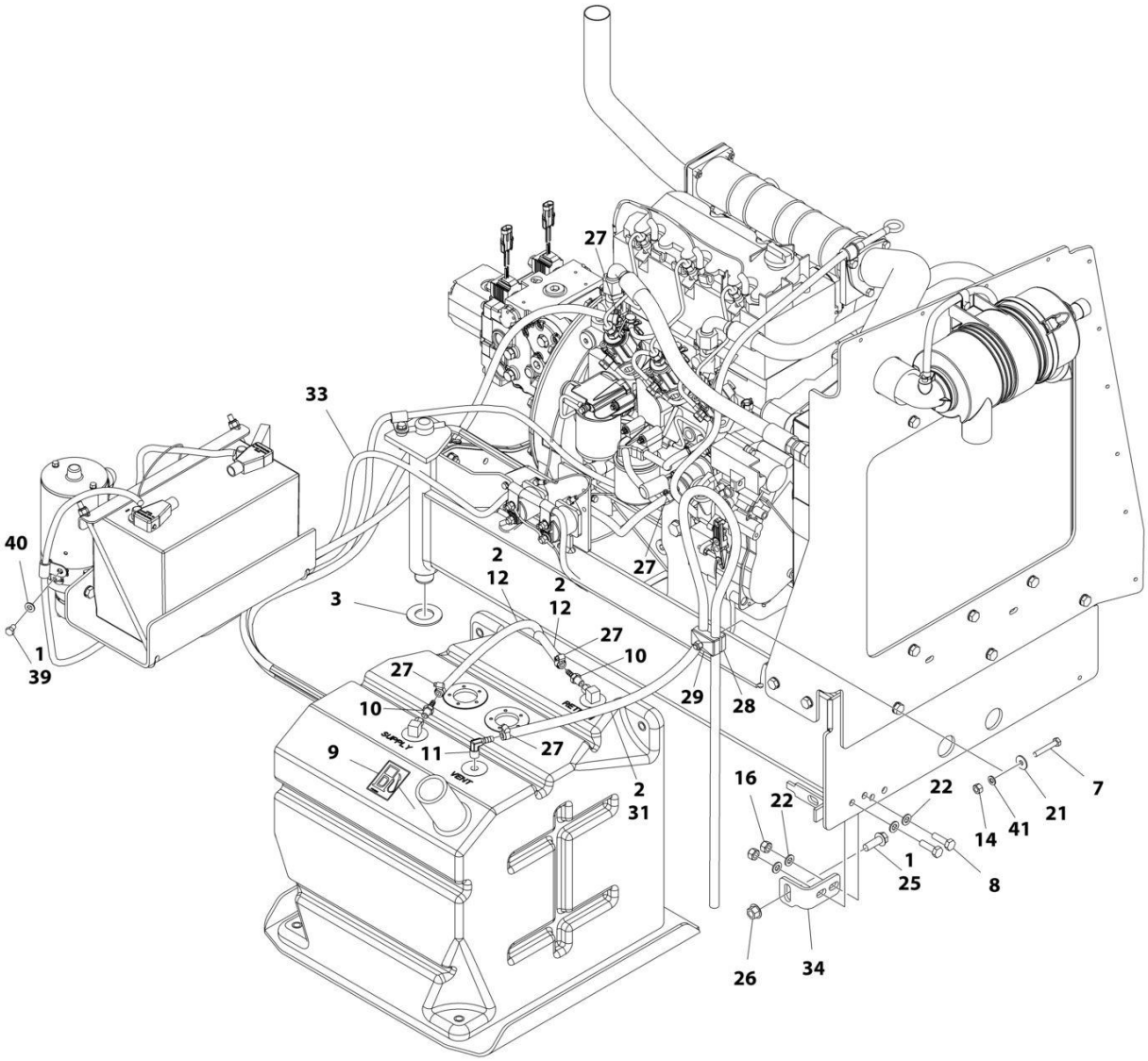
SECTION 3 - ENGINE

FIGURE 3-1. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI EXPORT(LRC), AUSTRALIAN, CE(LRC), CHINA & UK CA SPECS)





ART_1001166022_2OF3



ART_1001166022_3OF3

FIGURE 3-1. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI EXPORT(LRC), AUSTRALIAN, CE(LRC), CHINA & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166022	Ref	ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE)	I
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
6	0700817	1	Bolt M8 x 45	
7	0700821	1	Bolt M8 x 65	
8	0761015	5	Bolt M10 x 35	
9	1701505	1	Decal - Diesel Fuel	
10	2180348	2	Fitting, Barbed	
11	2220313	1	Fitting, Barbed 90	
12	2720058	17 ft / 5.18m	Hose	
13	3290605	5	Nut M6	
14	3290805	2	Nut M8	
15	3422532	1	Pin	
16	3291005	5	Nut M10	
17	3841143	1	Pin	
18	4240099	AR	Tie-Strap	
19	4811700	12	Washer M6	
21	4811902	1	Washer M8	
22	4812000	6	Washer M10	
23	4812100	4	Washer M12	
24	5240800	2	Washer M8 Hardened	
25	5251215	1	Bolt M12 x 35	
26	5261200	1	Nut, Flange M12 Class10	
27	8405009	5	Clamp	
28	1320187	1	Clamp	
29	1320190	1	Clamp	
30	1001135196	1	Pin	
31	2750532	6 ft/ 1.83m	Hose	
32	1001166021	1	Engine and Pump Sub-Assembly - Deutz D2011 (Without Arctic Package) (See Separate Breakdown in this Section)	
33	1001167038	1	Battery Cable Kit	G
33	70009004	1	Cable, Battery (Black) (Battery Negative, Auxiliary Power Pump, Turntable Ground to Engine Ground)	
33	70009005	1	Cable, Battery (Red) (Battery Positive, Auxiliary Power Relay, Starter Relay to Starter)	
33	70009002	1	Cable, Battery (Red) (Auxiliary Power Relay to Auxiliary Power Pump)	
34	1001167512	1	Bracket, Engine	
35	1001169823	1	Plate, Engine Lock	
36	1001172195	1	Pipe, Exhaust	
37	0760610	1	Bolt M6 x 20	
38	1001156107	1	Holder, Cable	
39	0641504	1	Bolt 5/16 x 1/2	
40	4711500	1	Washer 5/16	
41	4811900	AR	Washer M8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	1001148641	1	Bracket, Clamp Mounting	
43	1320224	1	Clamp, Cable	
44	0700610	1	Bolt M6 x 20	

FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITHOUT ARCTIC PACKAGE) (AUSTRALIAN AND CHINA SPECS)

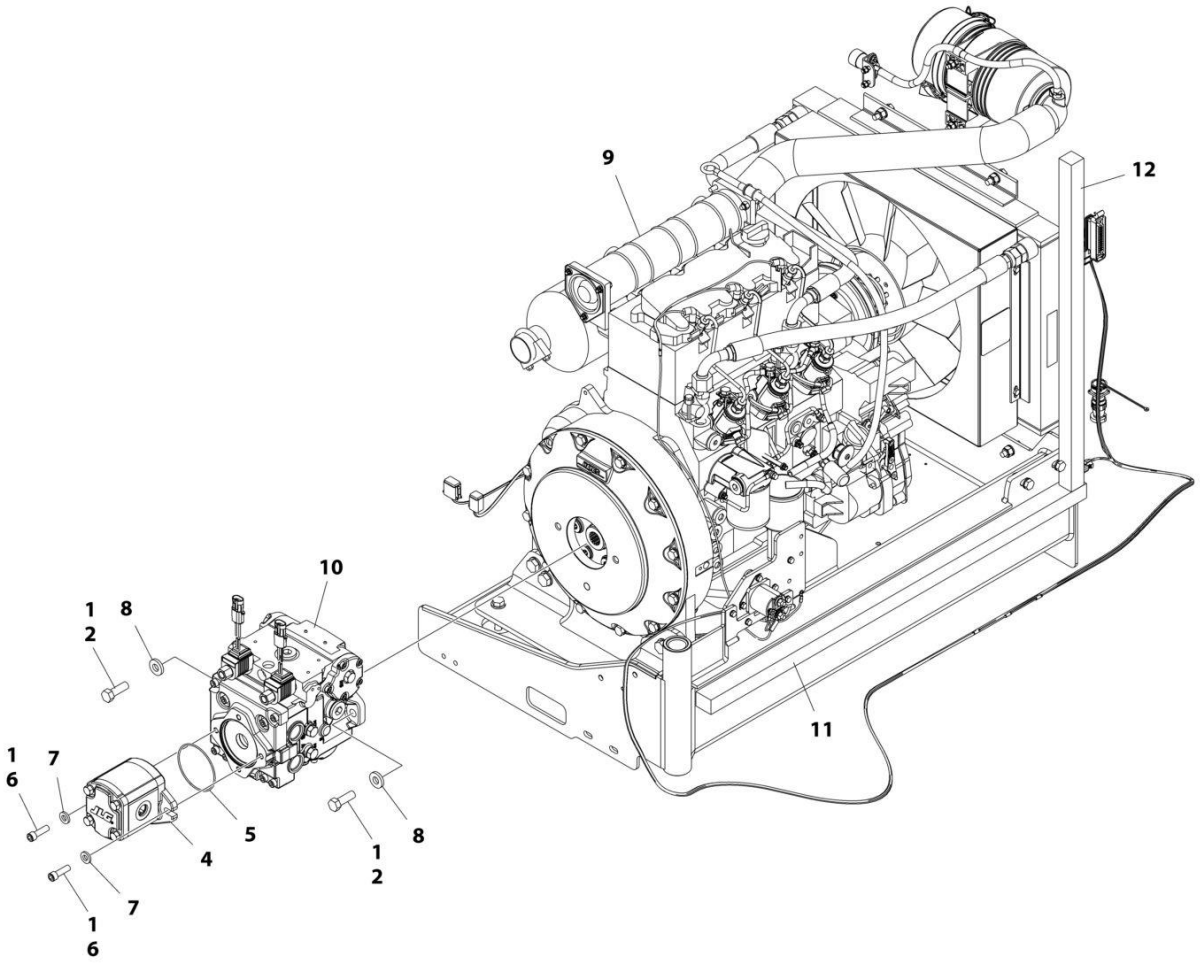
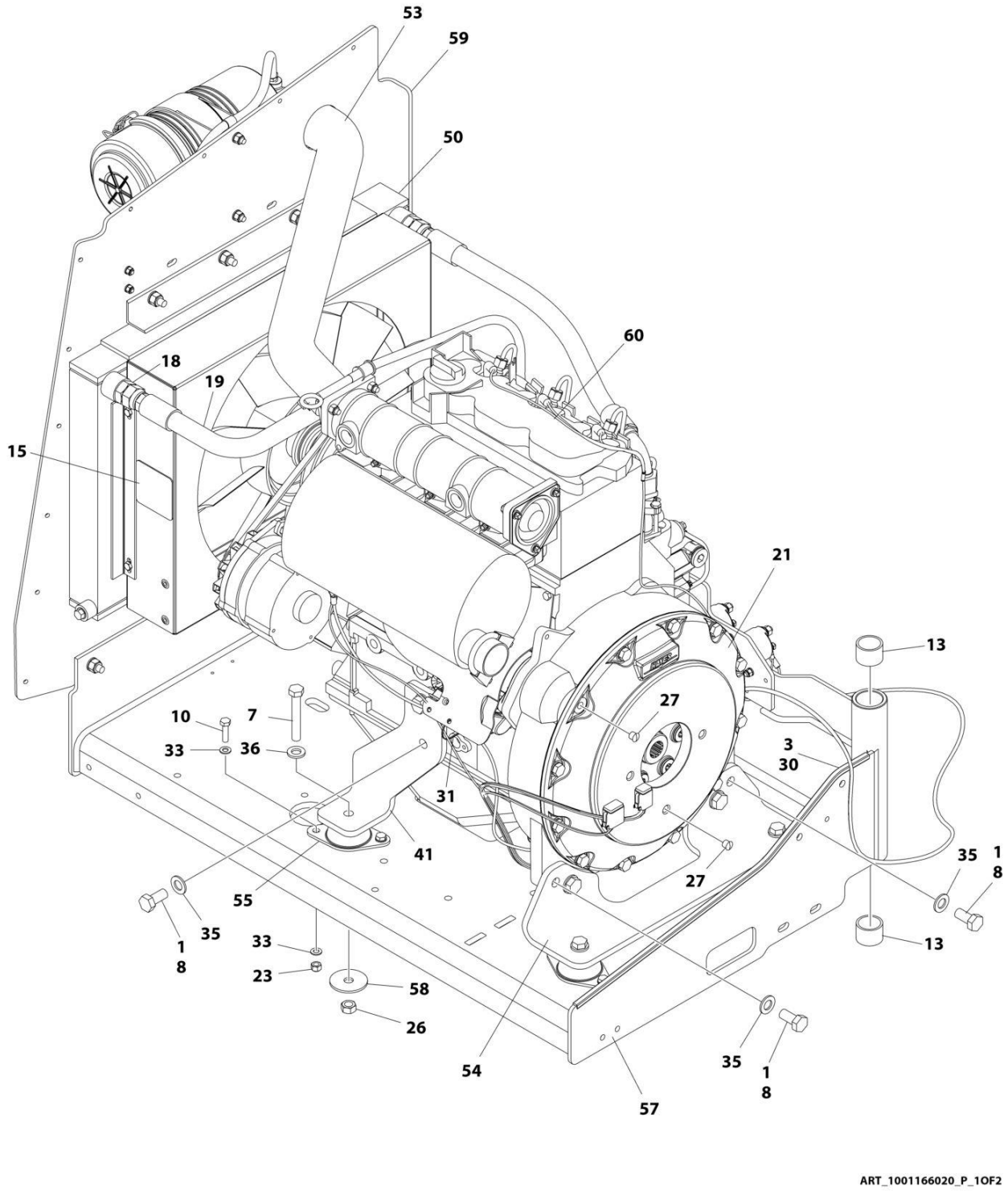


FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITHOUT ARCTIC PACKAGE) (AUSTRALIAN AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166021	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITHOUT ARCTIC PACKAGE)	G
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
4	1001214207	1	Gear Pump Assembly	
4	70006356	1	Seal Kit	
5	3790152	1	O-Ring	
6	3931618	2	Capscrew 3/8 x 1-1/8	
7	4891600	2	Washer 3/8 Hardened	
8	4891800	2	Washer 1/2 Hardened	
9	1001166020	1	Engine Assembly - Deutz D2011 Engine (Without Arctic Package) (See Separate Breakdown in this Section)	
10	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
11	1001171953	1	Seal	
12	1001171954	1	Seal	

FIGURE 3-3. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (AUSTRALIAN AND CHINA SPECS)



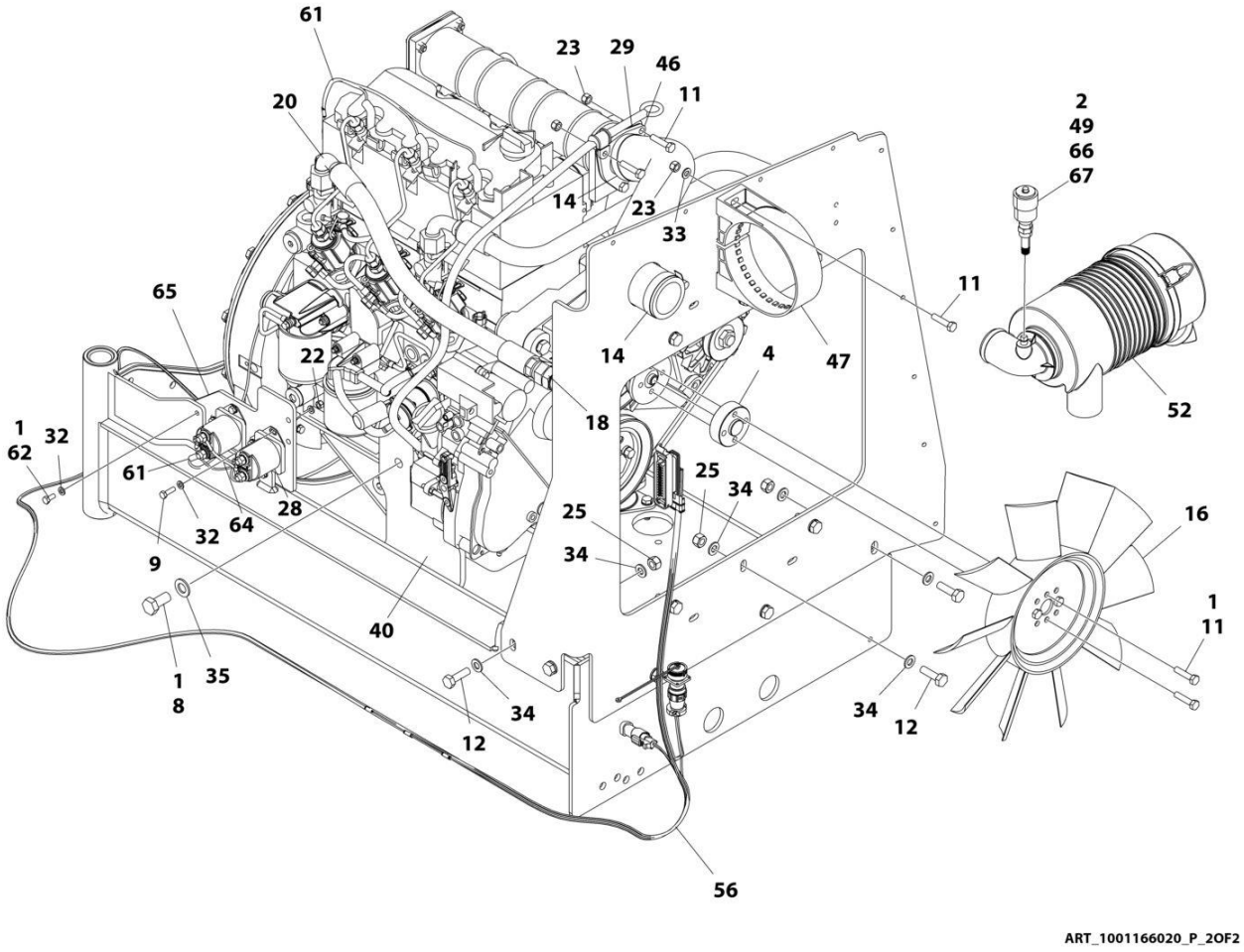

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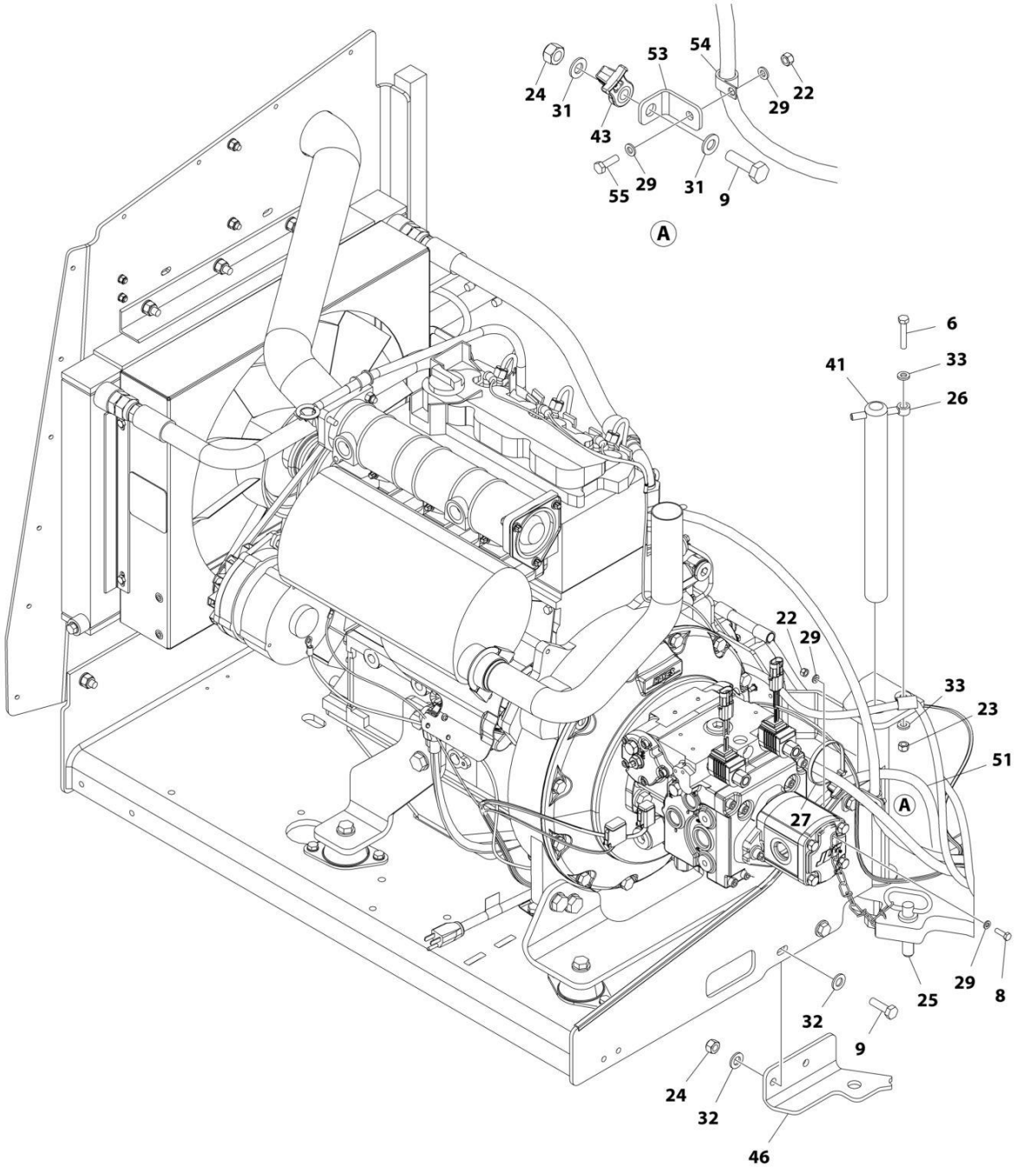
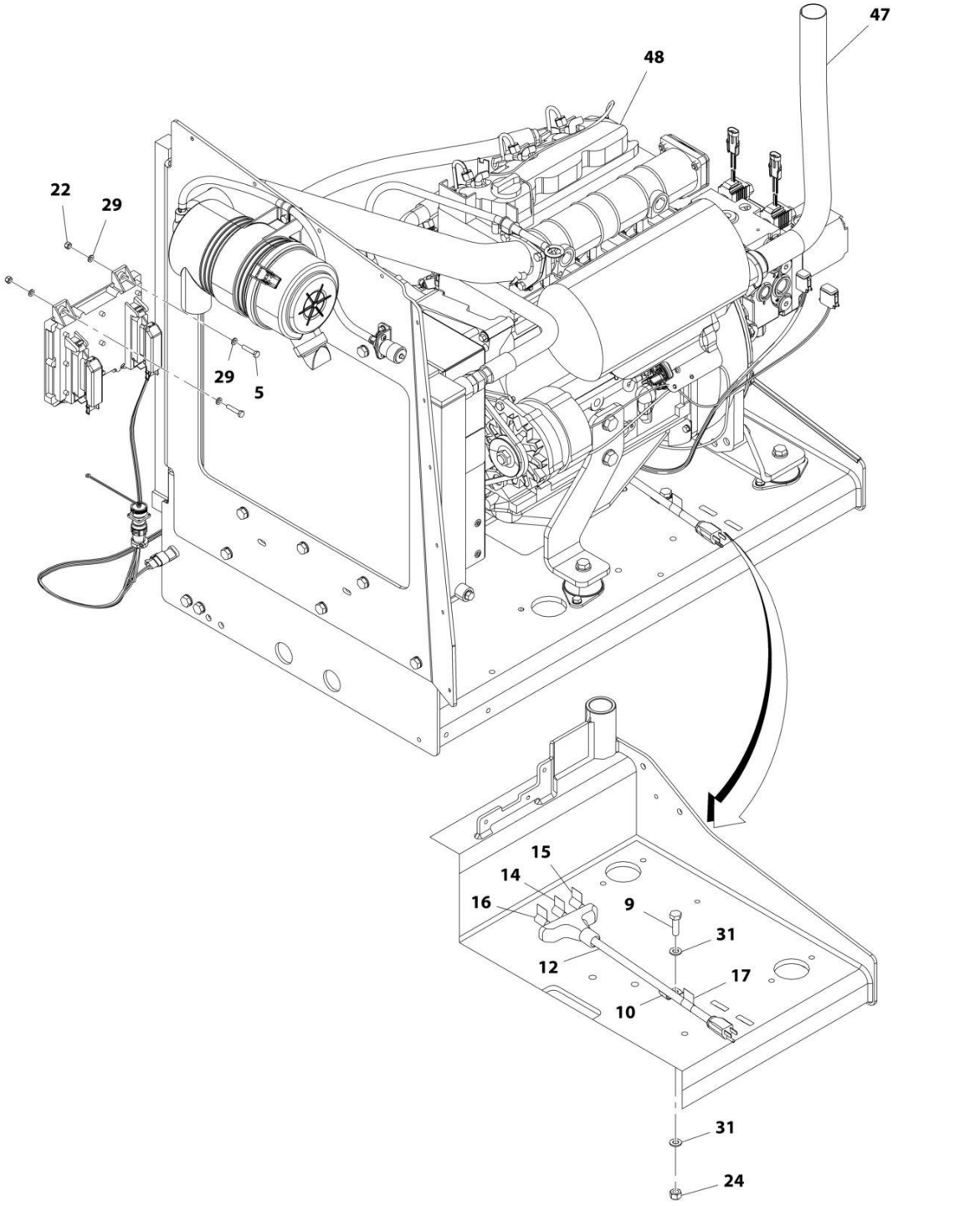
FIGURE 3-3. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (AUSTRALIAN AND CHINA SPECS)

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	
64	1001178859	1	Cable, Alternator	
65	1001214975	1	Bracket	
66	2200261	1	Fitting	
67	1001277432	1	Spacer	

FIGURE 3-4. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT(LRC), AUSTRALIAN, CE(LRC), CHINA & UK CA SPECS)





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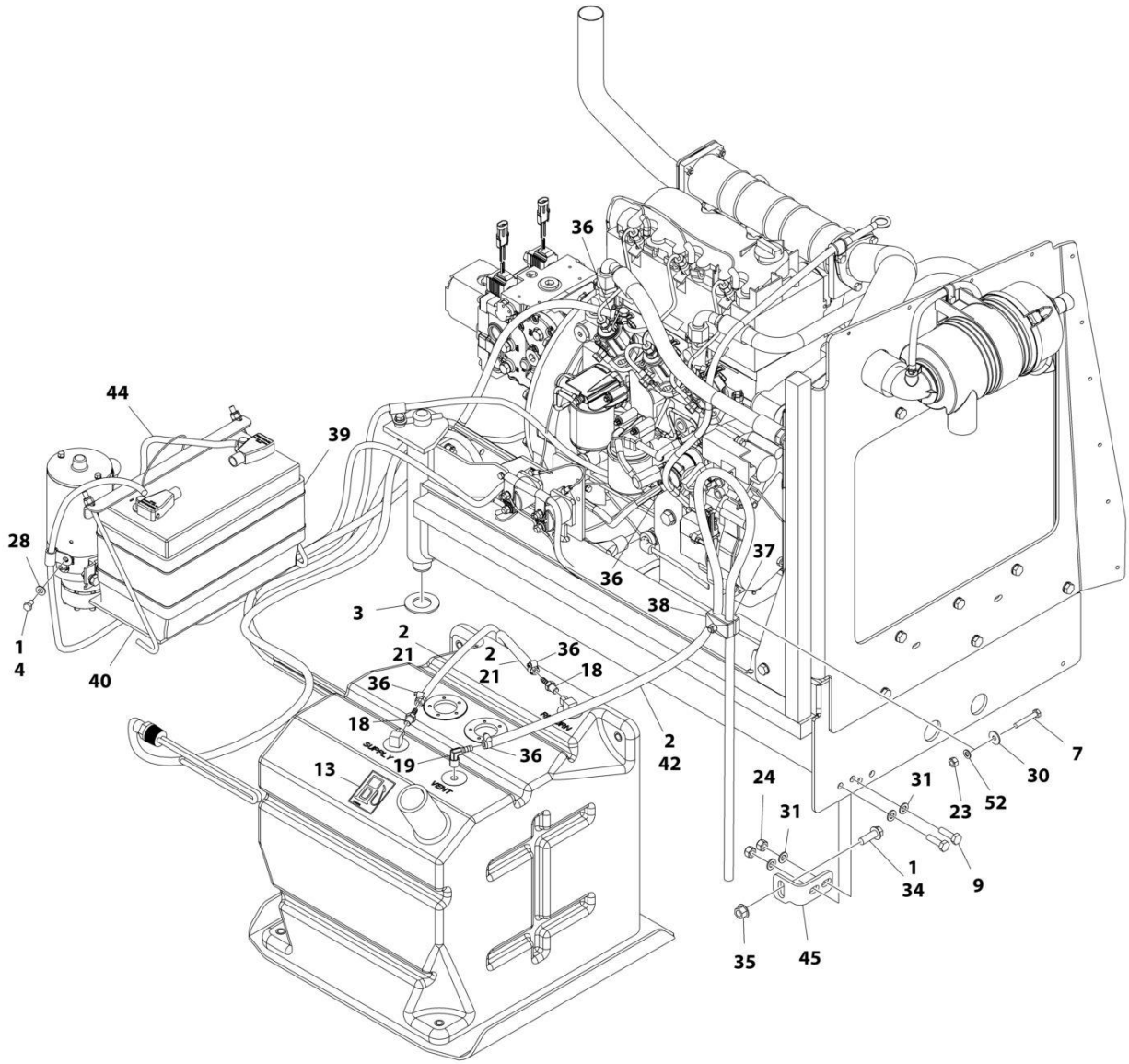

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FIGURE 3-4. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT(LRC), AUSTRALIAN, CE(LRC), CHINA & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166023	Ref	ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE)	G
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700614	4	Bolt M6 x 30	
6	0700817	1	Bolt M8 x 45	
7	0700821	1	Bolt M8 x 65	
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	17 ft / 5.18m	Hose	
22	3290605	6	Nut, Lock M6 x 1	
23	3290805	2	Nut, Lock M8	
24	3291005	6	Nut M10	
25	3422532	1	Pin	
26	3841143	1	Keeper, Pin	
27	4240099	AR	Tie-Strap	
28	4711500	1	Washer, 5/16	
29	4811700	12	Washer, M6	
30	4811902	1	Washer, M8	
31	4812000	8	Washer, M10	
32	4812100	4	Washer, M12	
33	5240800	2	Washer, M8 Hardened	
34	5251215	1	Bolt M12 x 35	
35	5261200	1	Nut, Flange M12 Class10	
36	8405009	5	Clamp	
37	1320187	1	Clamp	
38	1320190	1	Clamp	
39	2580024	1	Heater, Battery	
40	1001119278	1	Insulate	
41	1001135196	1	Pin	
42	2750532	6 ft/ 1.83m	Hose	
43	1001156107	1	Holder, Cable	
44	1001167038	1	Battery Cable Kit	G
44	70009004	1	Cable, Battery (Black) (Battery Negative, Auxiliary Power Pump, Turntable Ground to Engine Ground)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	70009005	1	Cable, Battery (Red) (Battery Positive, Auxiliary Power Relay, Starter Relay to Starter)	
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	1001172195	1	Pipe, Exhaust	
48	1001174784	1	Engine and Pump Sub-Assembly - Deutz D2011 (With Arctic Package) (See Separate Breakdown in this Section)	
51	1001150918	1	Cable, Extension Cord	
52	4811900	1	Washer M8	
53	1001148641	1	Bracket, Clamp Mounting	
54	1320224	1	Clamp, Cable	
55	0700610	1	Bolt M6 x 20	

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

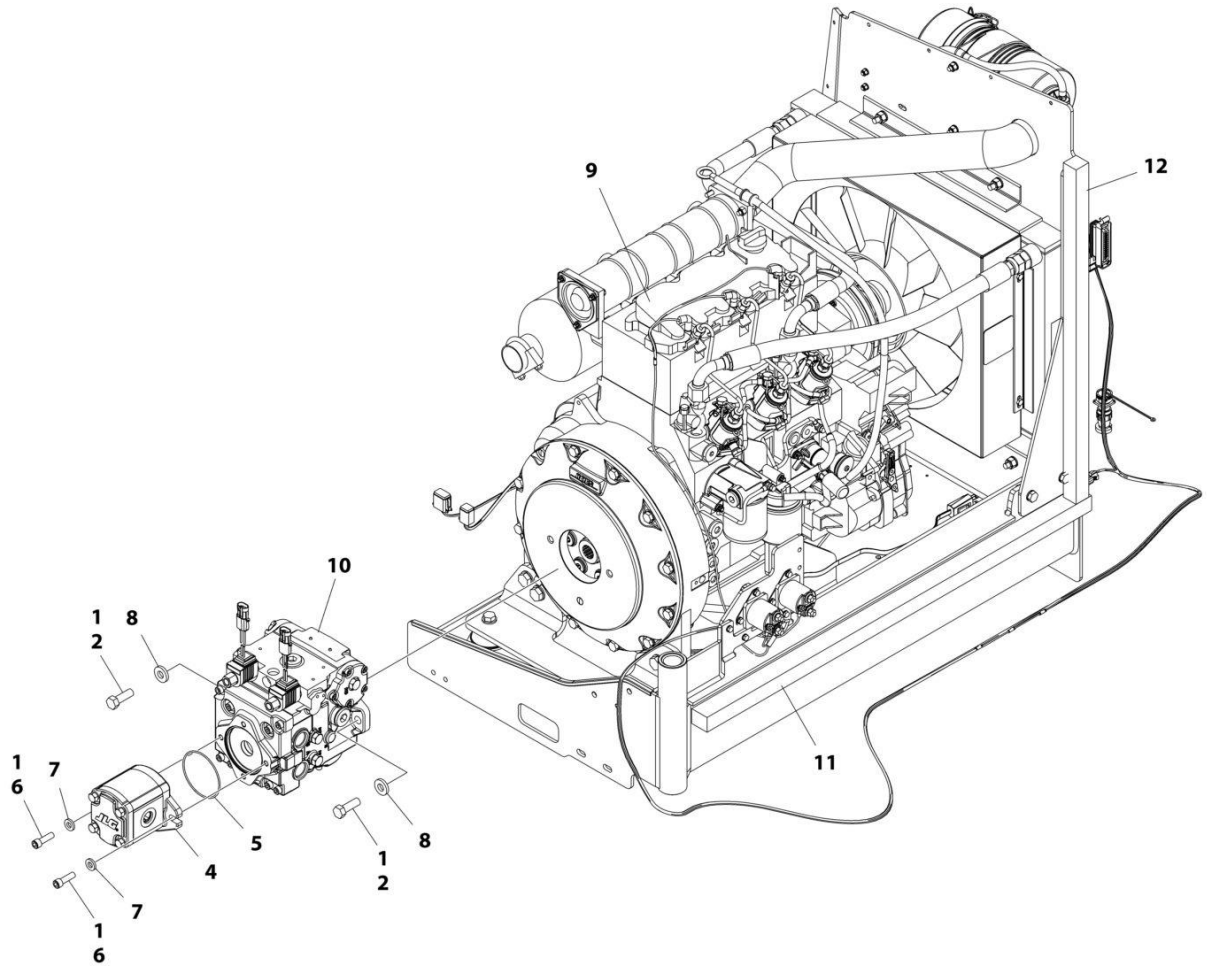
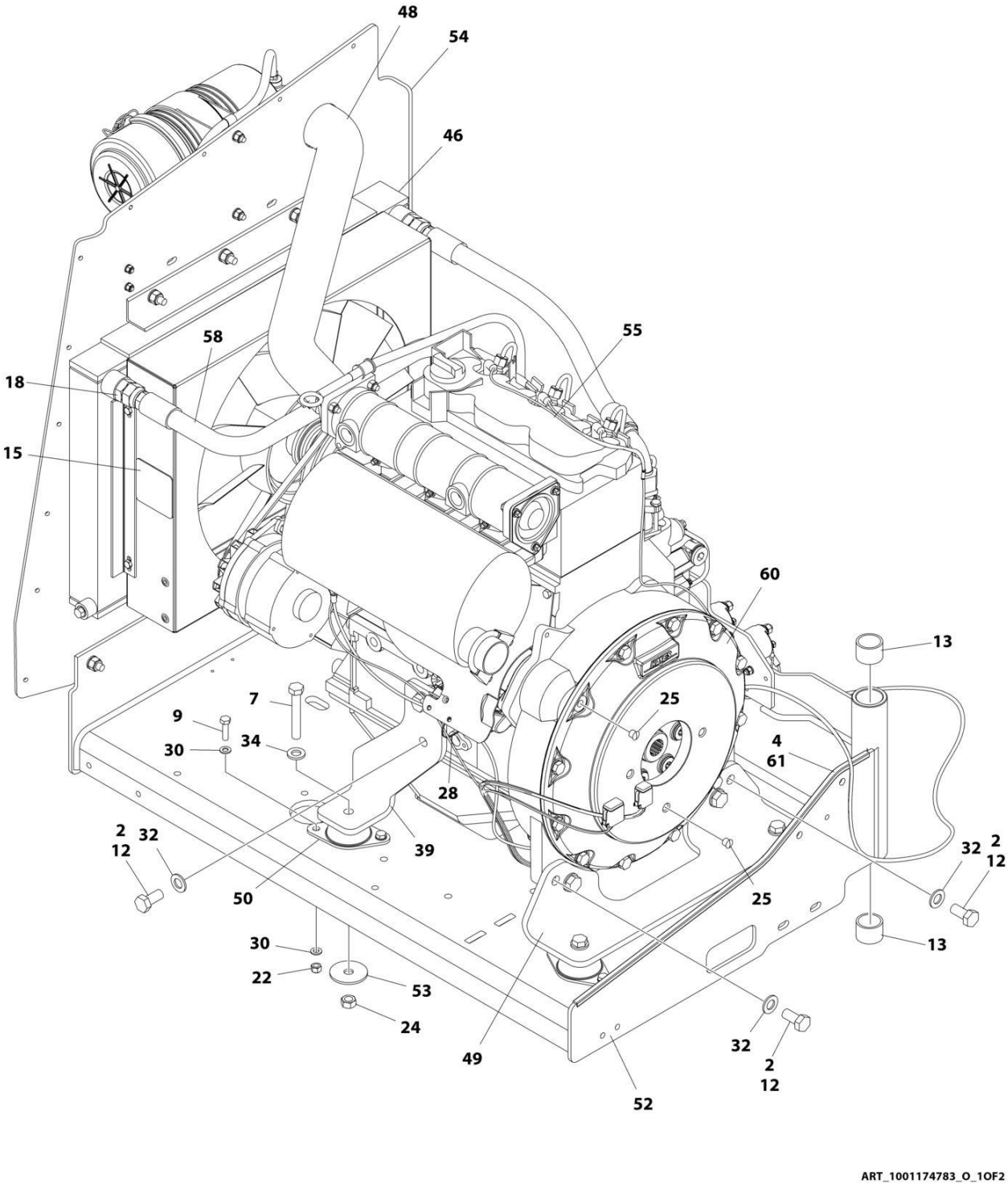


FIGURE 3-5. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITH ARCTIC PACKAGE) (ANSI EXPORT AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174784	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITH ARCTIC PACKAGE)	G
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
4	1001214207	1	Gear Pump Assembly	
4	70006356	1	Seal Kit - 1001214207 Pump	
5	3790152	1	O-Ring	
6	3931618	2	Capscrew 3/8 x 1 1/8	
7	4891600	2	Washer 3/8 Hardened	
8	4891800	2	Washer 1/2 Hardened	
9	1001174783	1	Engine Assembly - Deutz D2011 Engine (With Arctic Package) (See Separate Breakdown in this Section)	
10	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
11	1001171953	1	Seal	
12	1001171954	1	Seal	

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



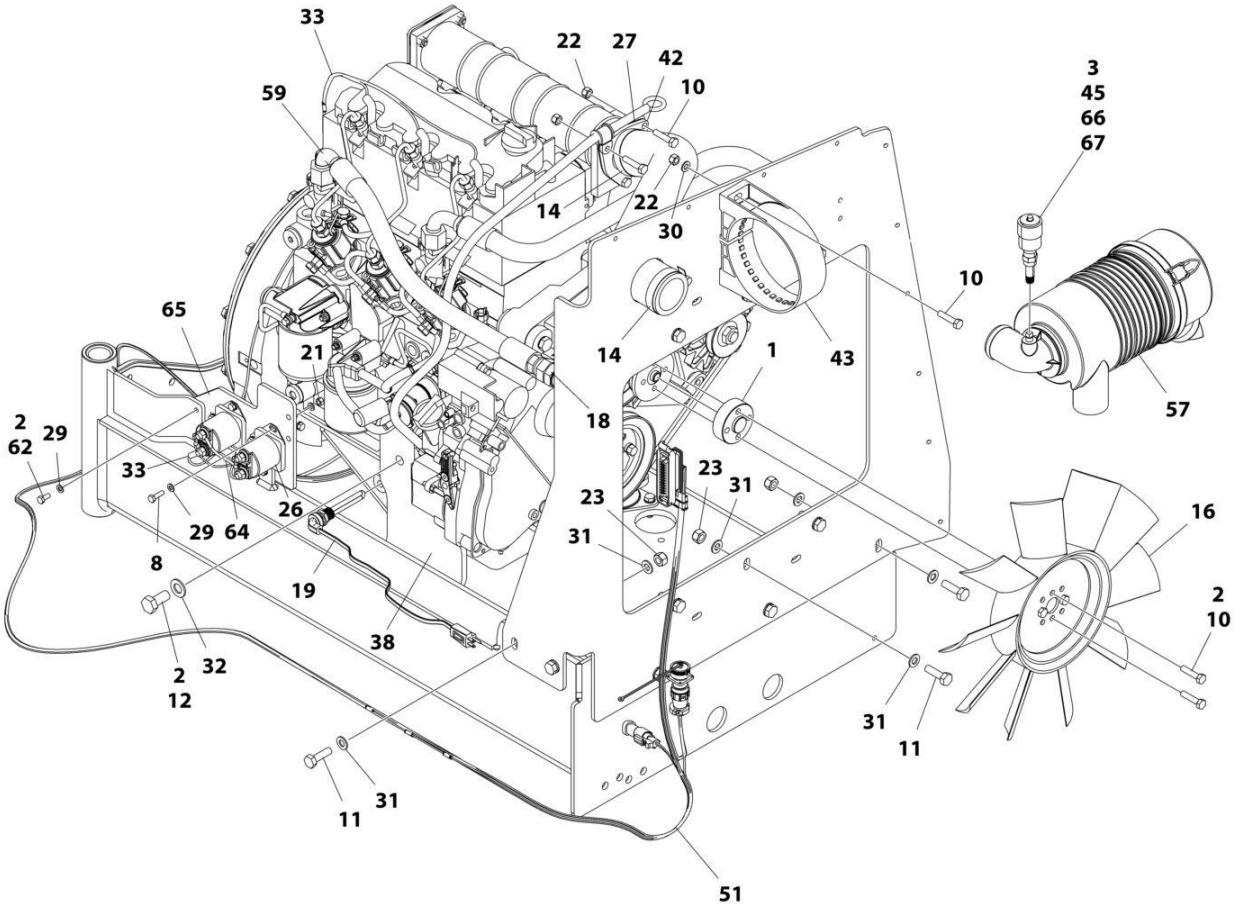

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FIGURE 3-6. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT AND CHINA SPECS)

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

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

FIGURE 3-7. ENGINE COMPONENTS - DEUTZ D2011

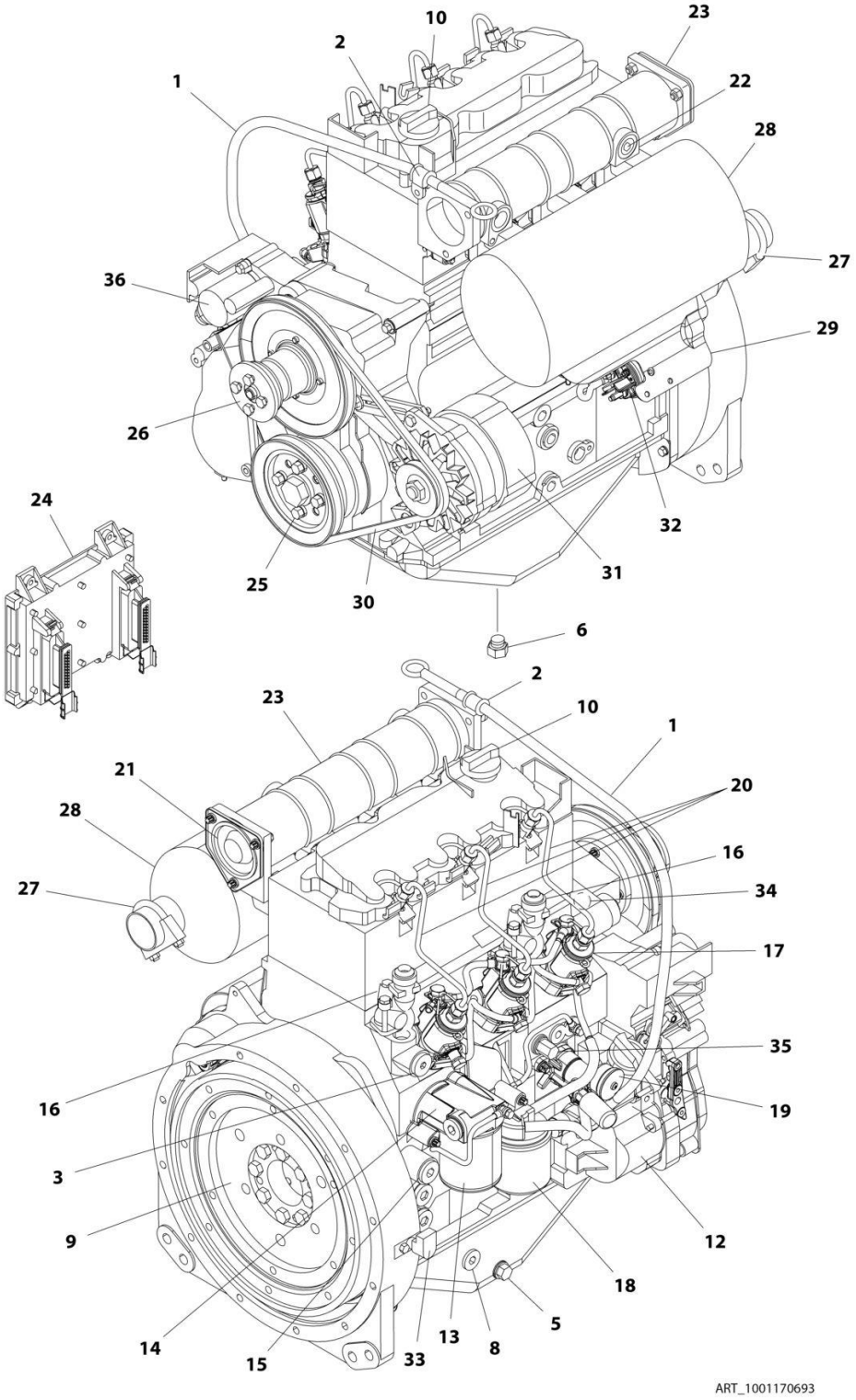


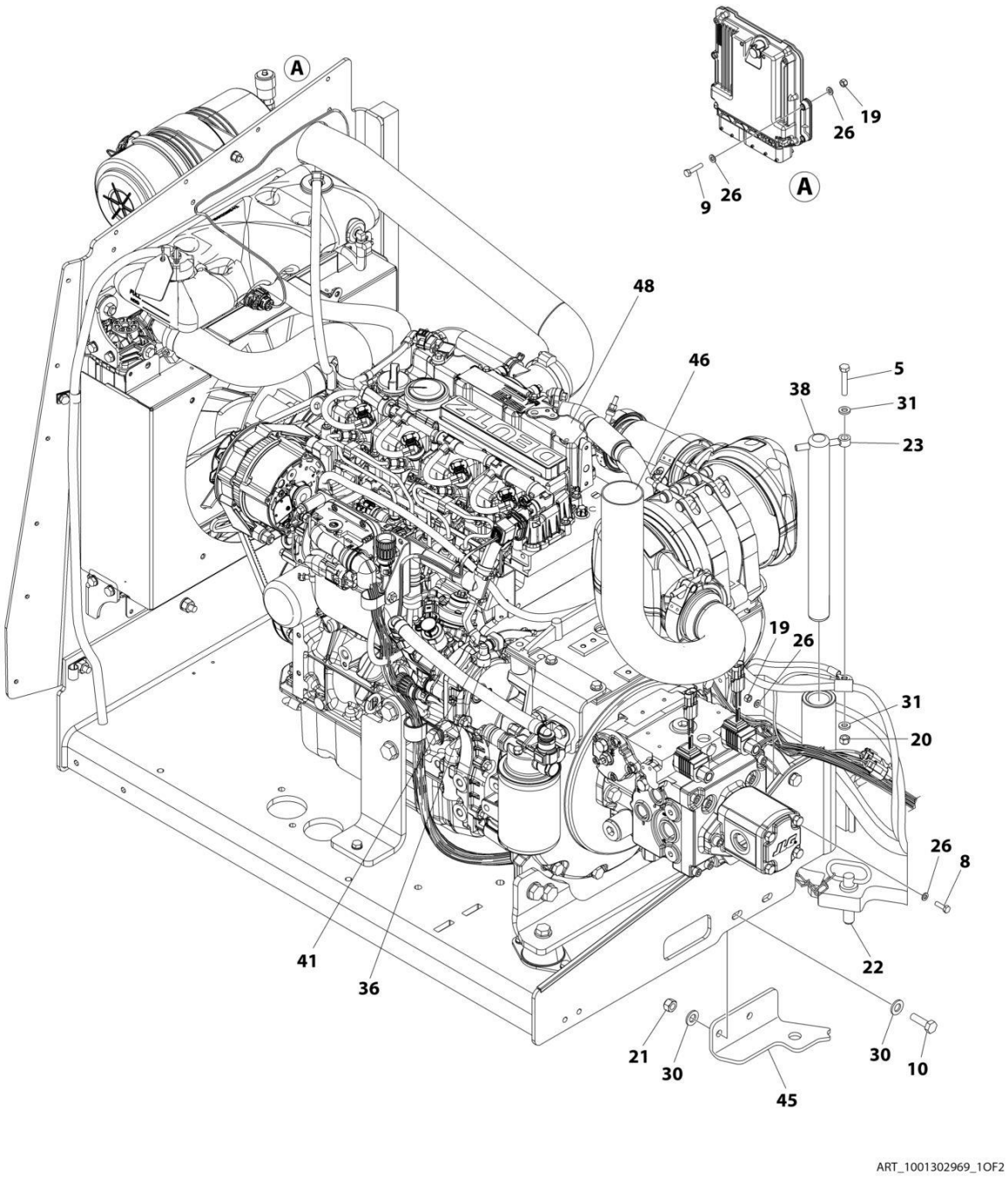
FIGURE 3-7. ENGINE COMPONENTS - DEUTZ D2011

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 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT (HRC), CSA AND JAPANESE SPECS)



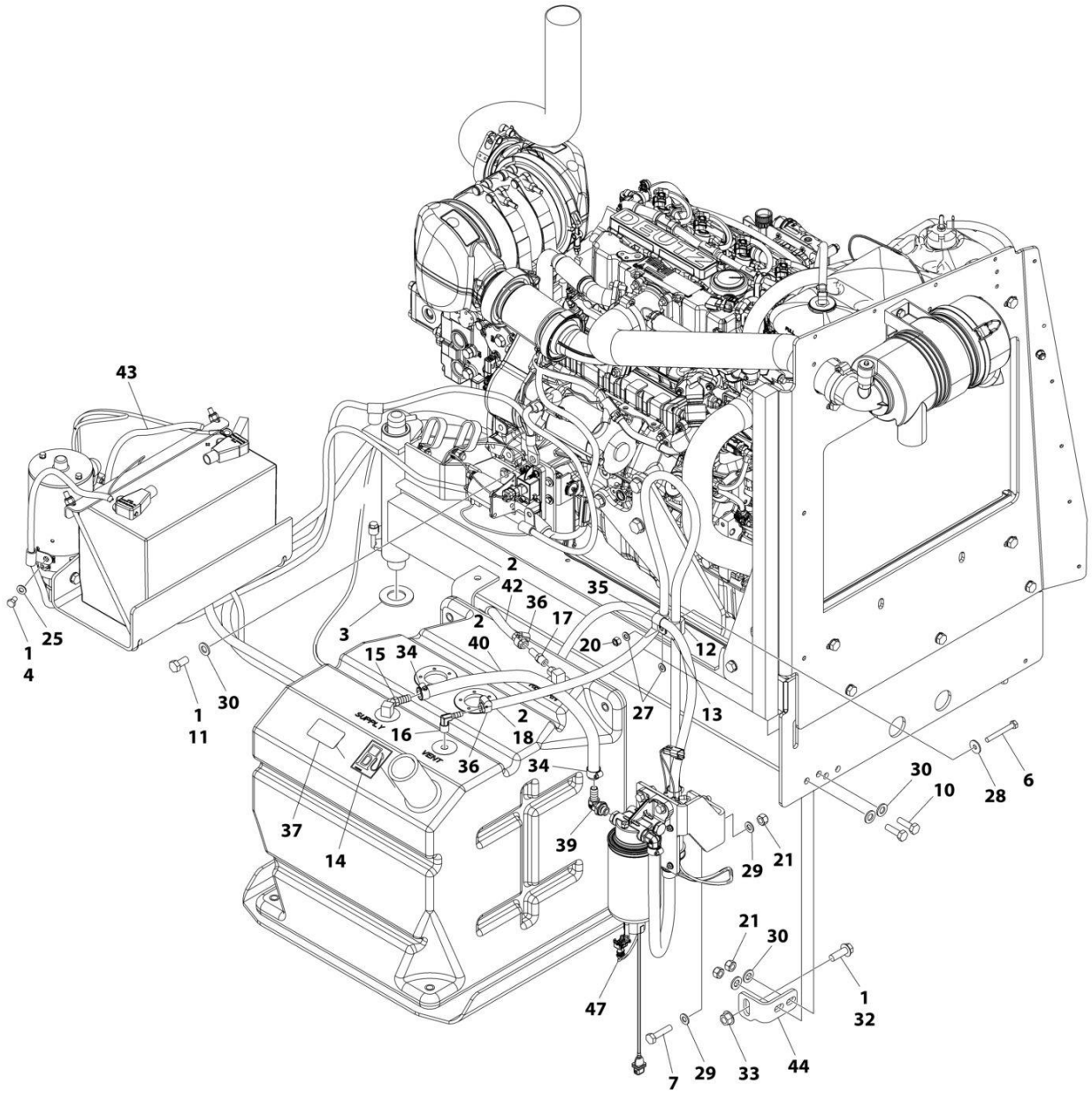

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FIGURE 3-8. ENGINE INSTALLATION - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT (HRC), CSA AND JAPANESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302969	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0700821	1	Bolt M8 x 65	
7	0701017	2	Bolt M10 x 45	
8	0760610	1	Bolt M6 x 20	
9	0760613	4	Bolt M6 x 28	
10	0761015	4	Bolt M10 x 35	
11	0771212	1	Bolt M12 x 25	
12	1320187	1	Clamp	
13	1320190	1	Clamp	
14	1701505	2	Decal - Diesel	
15	2180832	1	Fitting, Barbed	
16	2220313	1	Fitting, Barbed 90	
17	2220767	1	Fitting, Barbed	
18	2750532	6 ft /2 m	Hose	
19	3290605	5	Nut M6	
20	3290805	2	Nut M8	
21	3291005	6	Nut M10	
22	3422532	1	Pin	
23	3841143	1	Keeper, Pin	
24	4240099	AR	Tie-Strap (Not Shown)	
25	4711500	1	Washer 5/16	
26	4811700	10	Washer M6	
27	4811900	2	Washer M8	
28	4811902	1	Washer M8	
29	4812000	4	Washer M10	
30	4812100	9	Washer M12	
31	5240800	2	Washer M8	
32	5251215	1	Bolt M12 x 35	
33	5261200	1	Nut M12	
34	8405006	3	Clamp	
35	8406101	1	Clip	
36	8410013	4	Clamp	
37	1001125387	1	Decal - Ultra Low Sulfur	
38	1001135196	1	Pin	
39	1001142501	1	Fitting, Barbed 90	
40	1001154405	2.5 ft /1 m	Hose	
41	1001155823	1	Coupling, Quick Disconnect 90	
42	1001165035	21 ft /7 m	Hose	
43	1001166970	1	Battery and Auxiliary Power Pump Cable Kit	E
43	70009006	1	Cable, Battery (Black) (Battery to Ground)	
43	70009002	1	Cable, Battery (Red) (Auxiliary Power Relay to Auxiliary Power Pump)	
43	70009007	1	Cable, Battery (Red) (Battery to Auxiliary Power Relay)	
44	1001167512	1	Bracket	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001169823	1	Plate	
46	1001172594	1	Pipe, Exhaust	
47	1001173342	1	Fuel Pump Harness (See Separate Breakdown in ELECTRICAL Section)	
48	1001302961	1	Engine and Pump Sub-Assembly - Deutz D2.9L4 ERM5 Engine (See Separate Breakdown in this Section)	

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

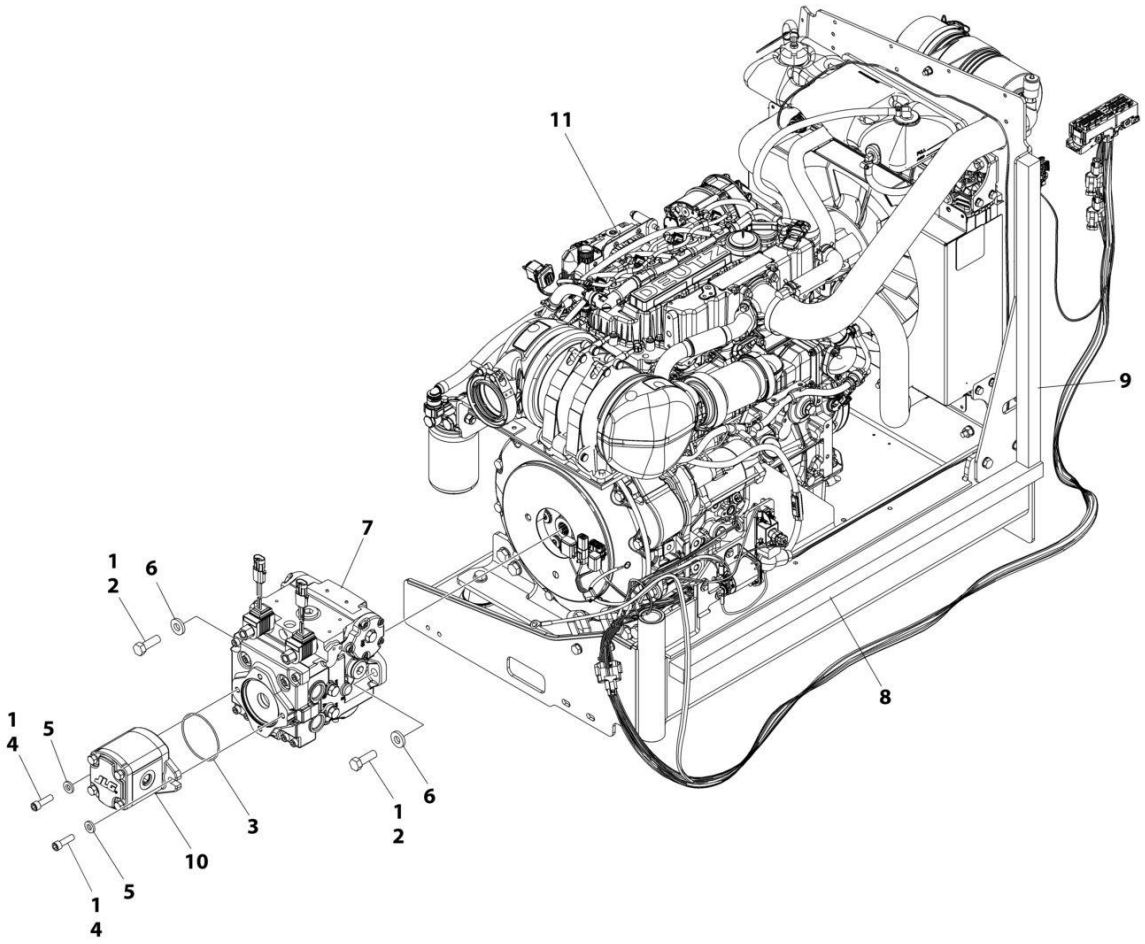
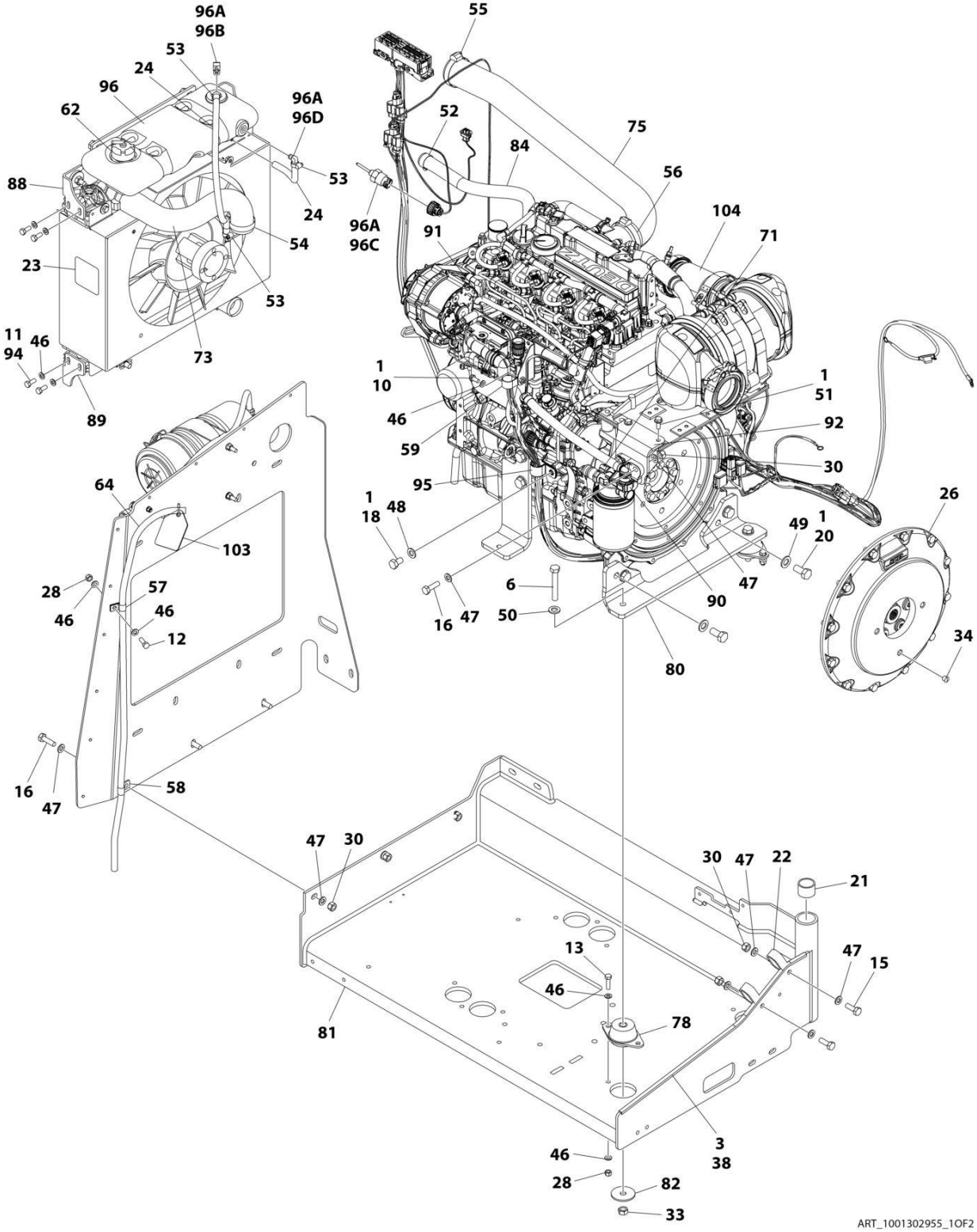
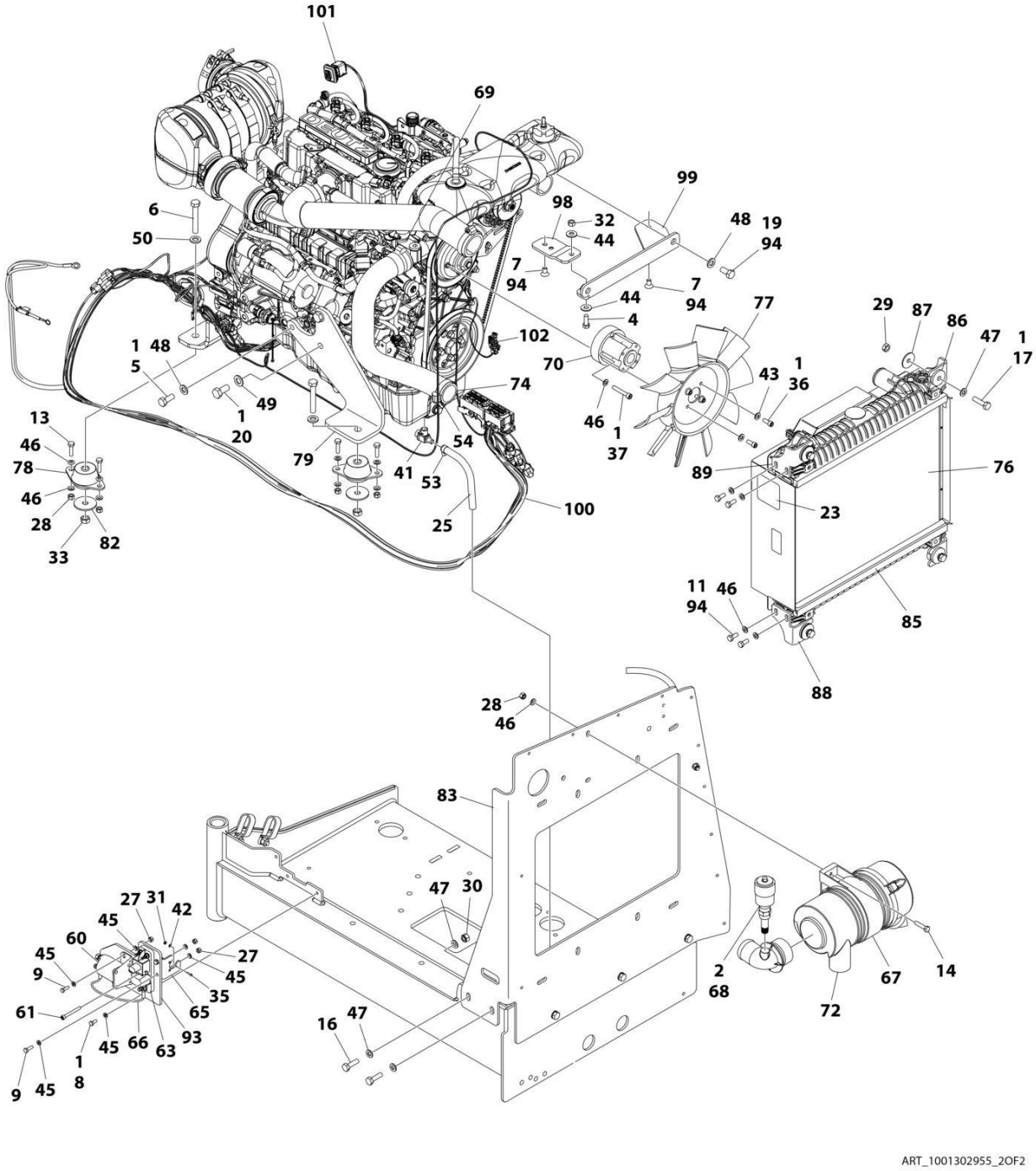


FIGURE 3-9. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302961	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5	A
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	3790152	1	O-Ring	
4	3931618	2	Capscrew 3/8 x 1-1/8	
5	4891600	2	Washer 3/8	
6	4891800	2	Washer 1/2	
7	1001167036	1	Piston Pump Assembly (See Separate Breakdow in this Section)	
8	1001171953	1	Seal	
9	1001171954	1	Seal	
10	1001214207	1	Gear Pump Assembly	
10	70006356	1	Seal Kit - 1001214207 Pump	
11	1001302955	1	Engine Assembly - Deutz D2.9L4 ERM5 Engine (Without Arctic Package) (See Separate Breakdown in this Section)	

FIGURE 3-10. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)





ART_1001302955_2OF2

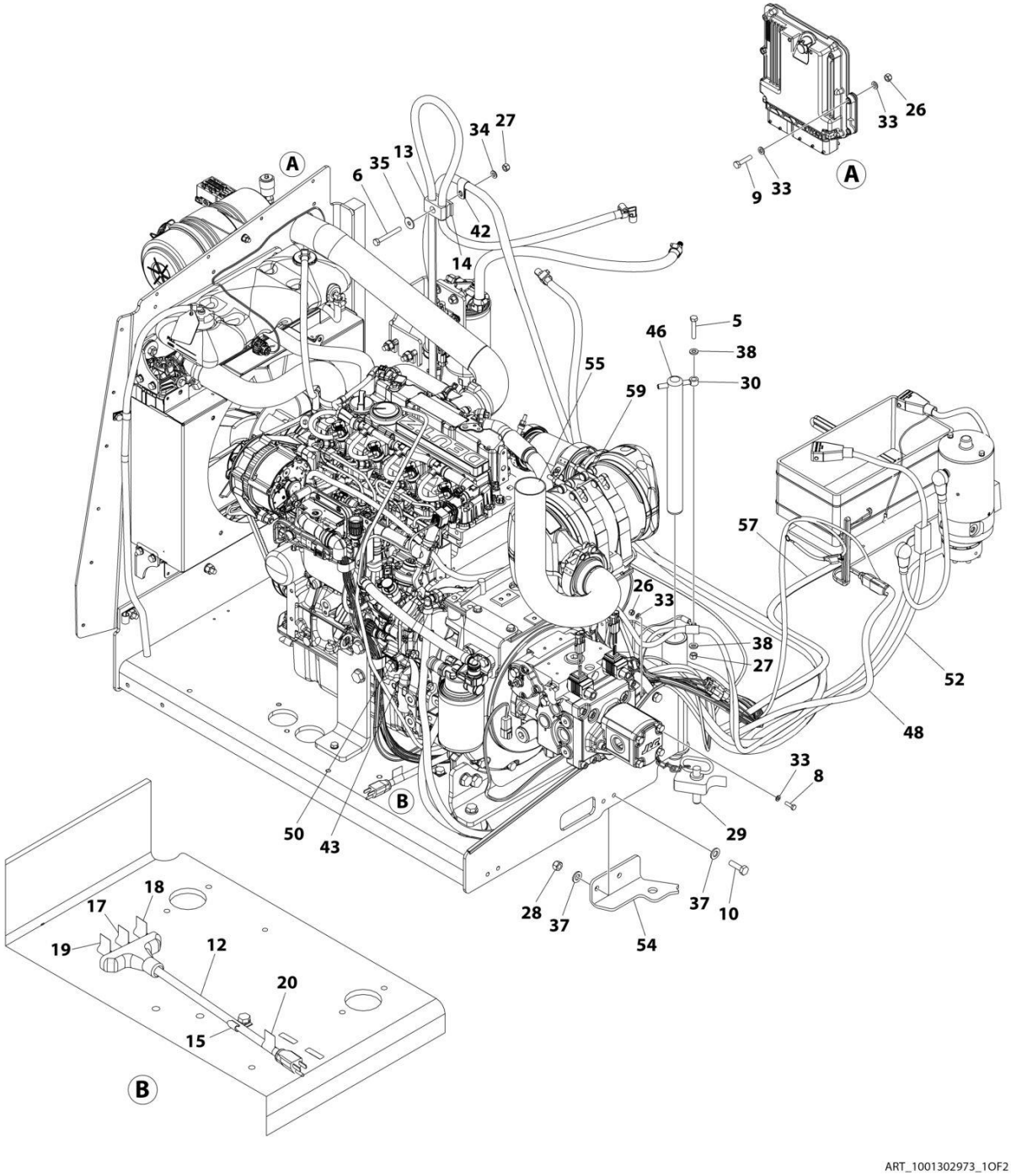
FIGURE 3-10. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

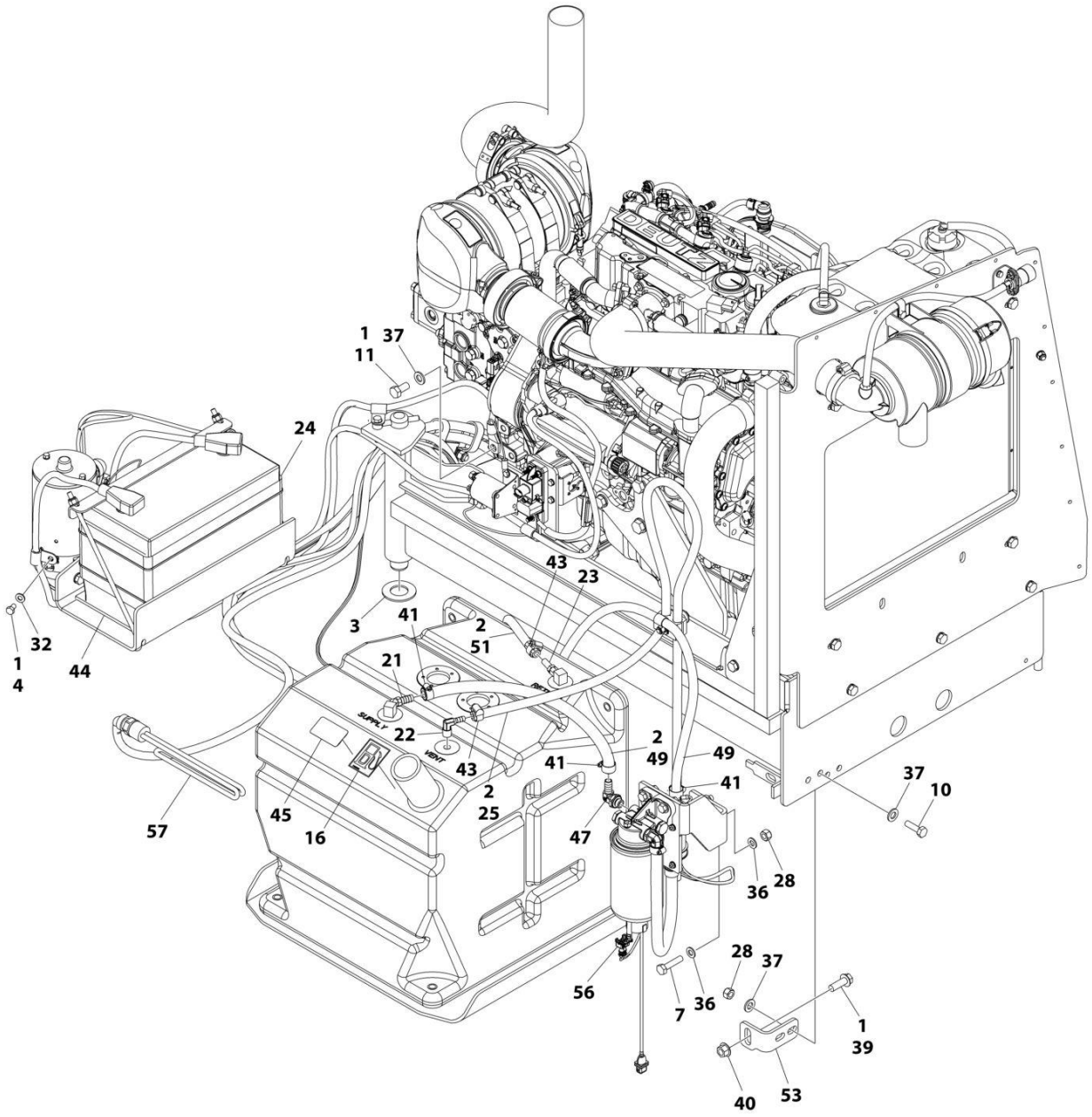
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302955	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0681608	1	Bolt 3/8 x 1	
5	0711214	1	Bolt M12 x 30	
6	0711224	3	Bolt M12 x 80	
7	0741606	2	Screw 3/8 x 3/4	
8	0760607	3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

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

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

FIGURE 3-11. ENGINE INSTALLATION - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS)





ART_1001302973_2OF2

FIGURE 3-11. ENGINE INSTALLATION - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302973	Ref	ENGINE INSTALLATION - DEUTZ D2.9L4 ERM5 ENGINE	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0700821	1	Bolt M8 x 65	
7	0701017	2	Bolt M10 x 45	
8	0760610	1	Bolt M6 x 20	
9	0760613	4	Bolt M6 x 28	
10	0761015	5	Bolt M10 x 35	
11	0771212	1	Bolt M12 x 25	
12	1060626	1	Cord, 3-Way Extension	
13	1320187	1	Clamp	
14	1320190	1	Clamp	
15	1320223	1	Clamp	
16	1701505	2	Decal - Diesel	
17	1702941	1	Decal - Battery Heater	
18	1702942	1	Decal - Engine Block Heater	
19	1702943	1	Decal - Hydraulic Tank Heater	
20	1702944	1	Decal - Heater Cord	
21	2180832	1	Fitting, Barbed	
22	2220313	1	Fitting, Barbed 90	
23	2220767	1	Fitting, Barbed	
24	2580024	1	Heater, Battery	
25	2750532	6 ft /2 m	Hose	
26	3290605	5	Nut M6	
27	3290805	2	Nut M8	
28	3291005	7	Nut M10	
29	3422532	1	Pin	
30	3841143	1	Keeper, Pin	
31	4240099	AR	Tie-Strap (Not Shown)	
32	4711500	1	Washer 5/16	
33	4811700	10	Washer M6	
34	4811900	2	Washer M8	
35	4811902	1	Washer M8	
36	4812000	6	Washer M10	
37	4812100	9	Washer M12	
38	5240800	2	Washer M8	
39	5251215	1	Bolt M12 x 35	
40	5261200	1	Nut M12	
41	8405006	3	Clamp	
42	8406101	1	Clip	
43	8410013	4	Clamp	
44	1001119278	1	Insulator, Battery	
45	1001125387	1	Decal - Ultra Low Sulfur	
46	1001135196	1	Pin	
47	1001142501	1	Fitting, Barbed 90	
48	1001150918	1	Cable, Extension Cord	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001154405	2.5 ft/1 m	Hose	
50	1001155823	1	Coupling, Quick Disconnect 90	
51	1001165035	21 ft /6 m	Hose	
52	1001166970	1	Battery and Auxiliary Power Pump Cable Kit	E
52	70009006	1	Cable, Battery (Black) (Battery to Ground)	
52	70009002	1	Cable, Battery (Red) (Auxiliary Power Relay to Auxiliary Power Pump)	
52	70009007	1	Cable, Battery (Red) (Battery to Auxiliary Power Relay)	
53	1001167512	1	Bracket	
54	1001169823	1	Plate	
55	1001172594	1	Pipe, Exhaust	
56	1001173342	1	Fuel Pump Harness (See Separate Breakdown in ELECTRICAL Section)	
57	1001188972	1	Heater, Immersion	
58	1001233763	1	Deutz Breather Heater Installation (Not Shown - See Separate Breakdown in this Section)	
59	1001302964	1	Engine and Pump Sub-Assembly - Deutz D2.9L4 ERM5 Engine (See Separate Breakdown in this Section)	

FIGURE 3-12. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

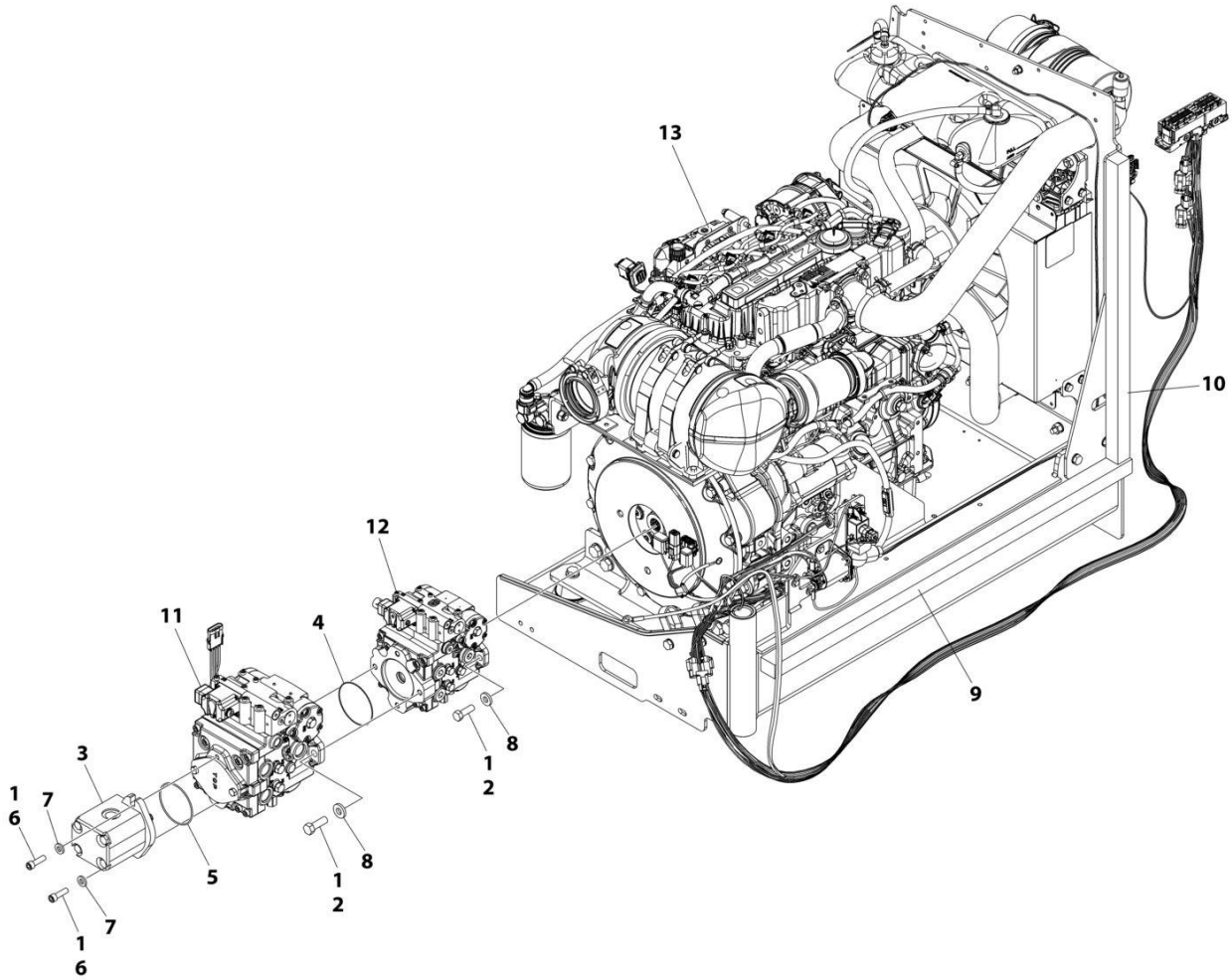
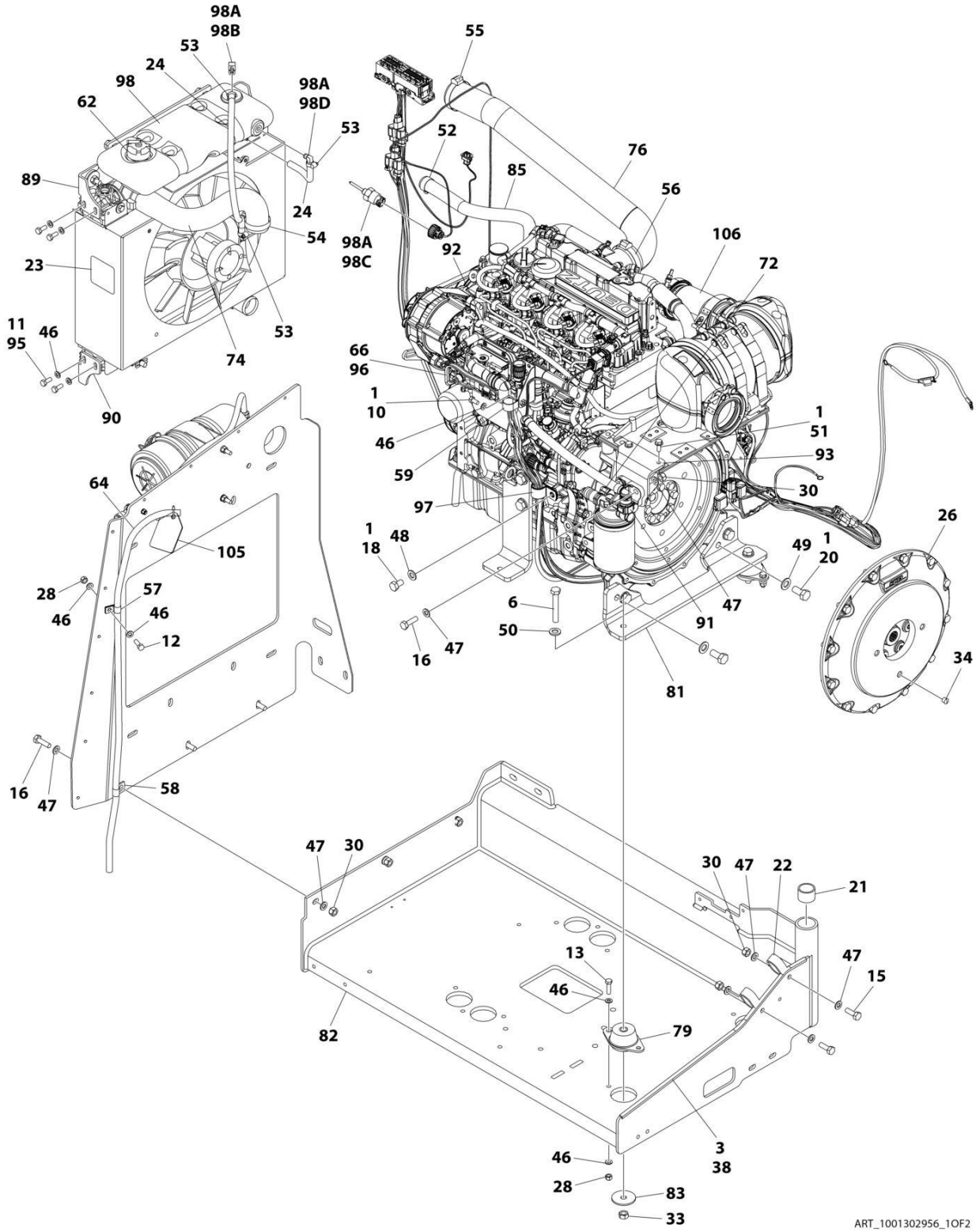
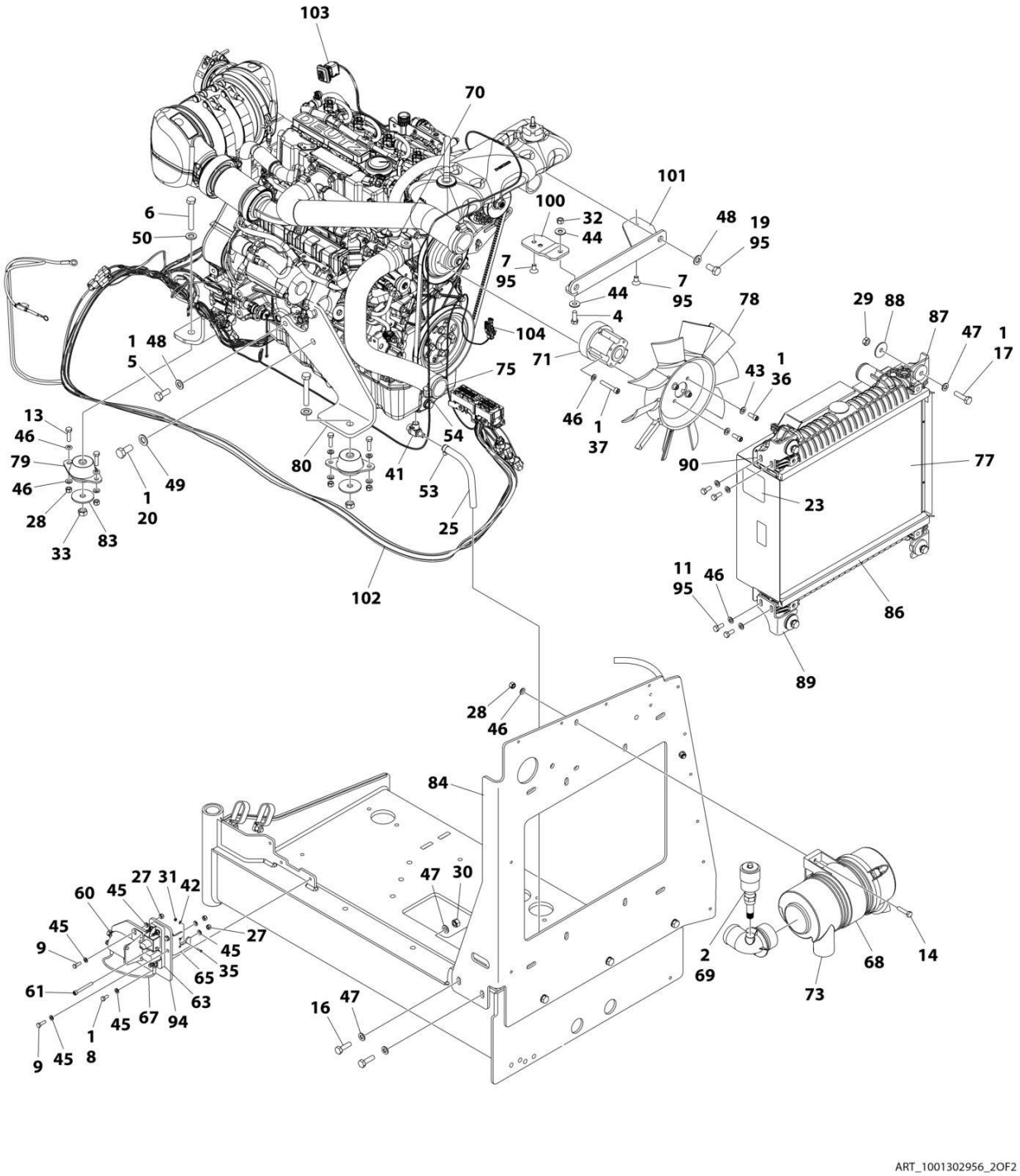


FIGURE 3-12. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI, ANSI EXPORT AND CSA SPECS)

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

FIGURE 3-13. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS)





ART_1001302956_2OF2

FIGURE 3-13. ENGINE ASSEMBLY - DEUTZ D2.9L4 ERM5 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS)

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

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

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

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

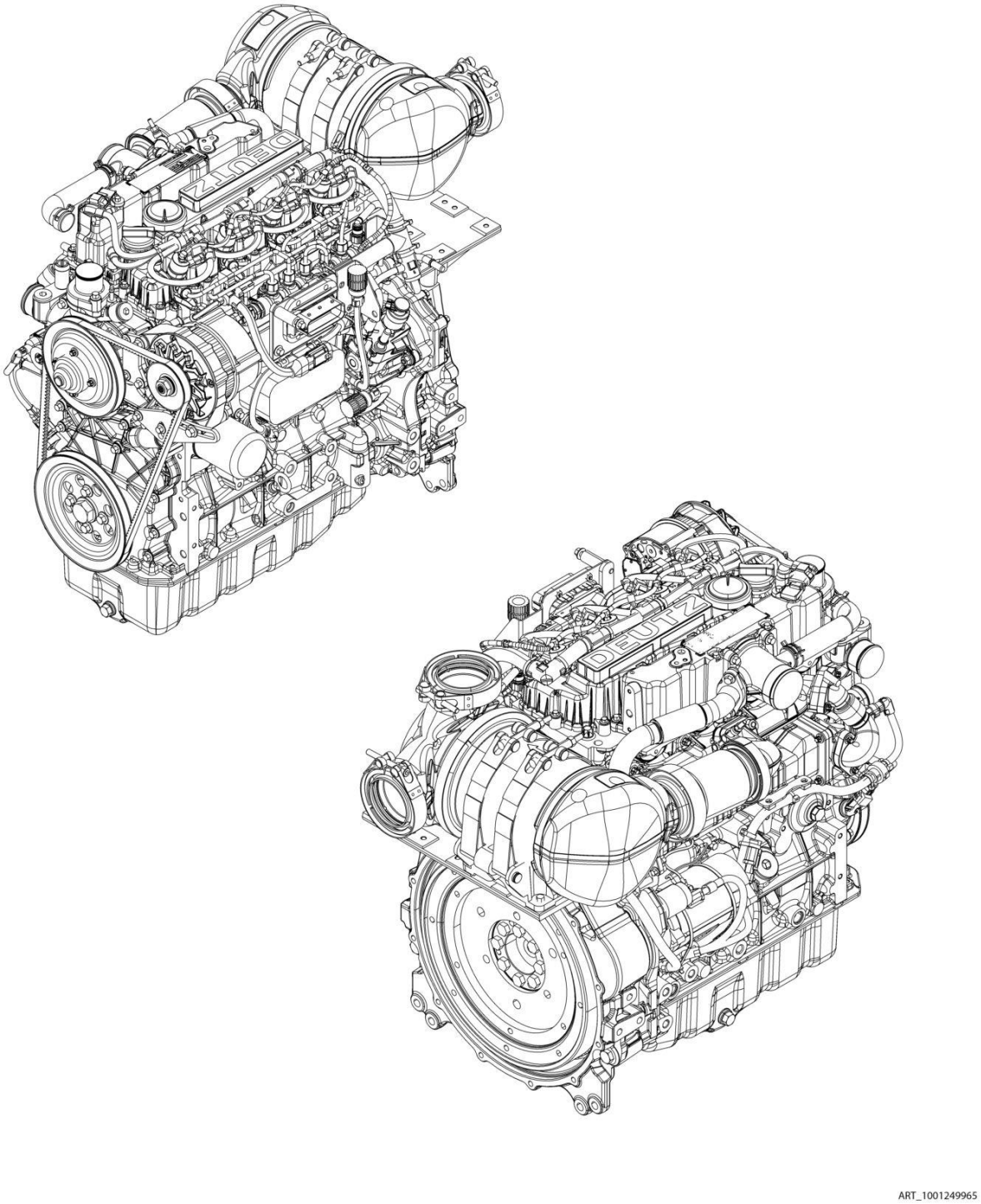


FIGURE 3-14. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)

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

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

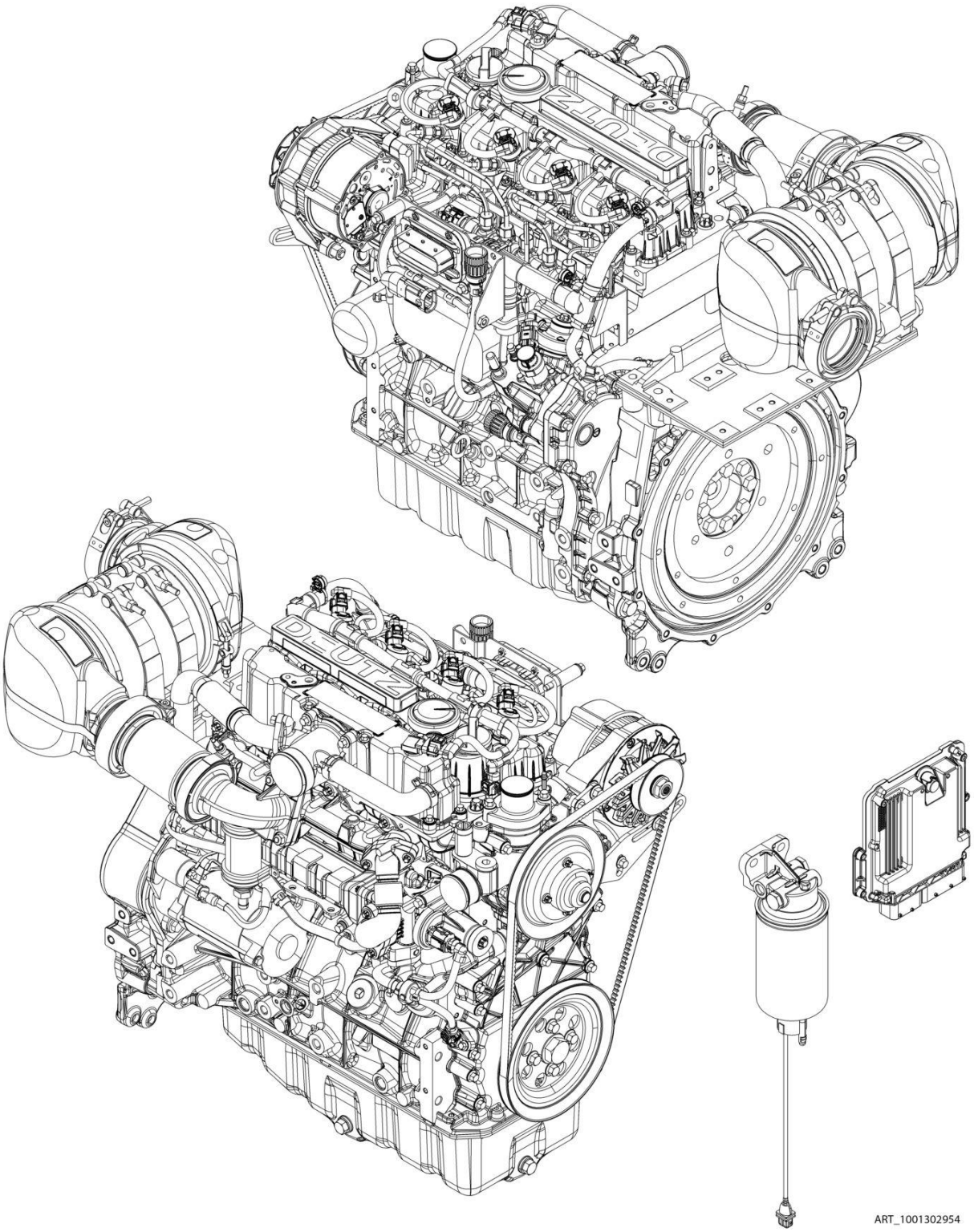
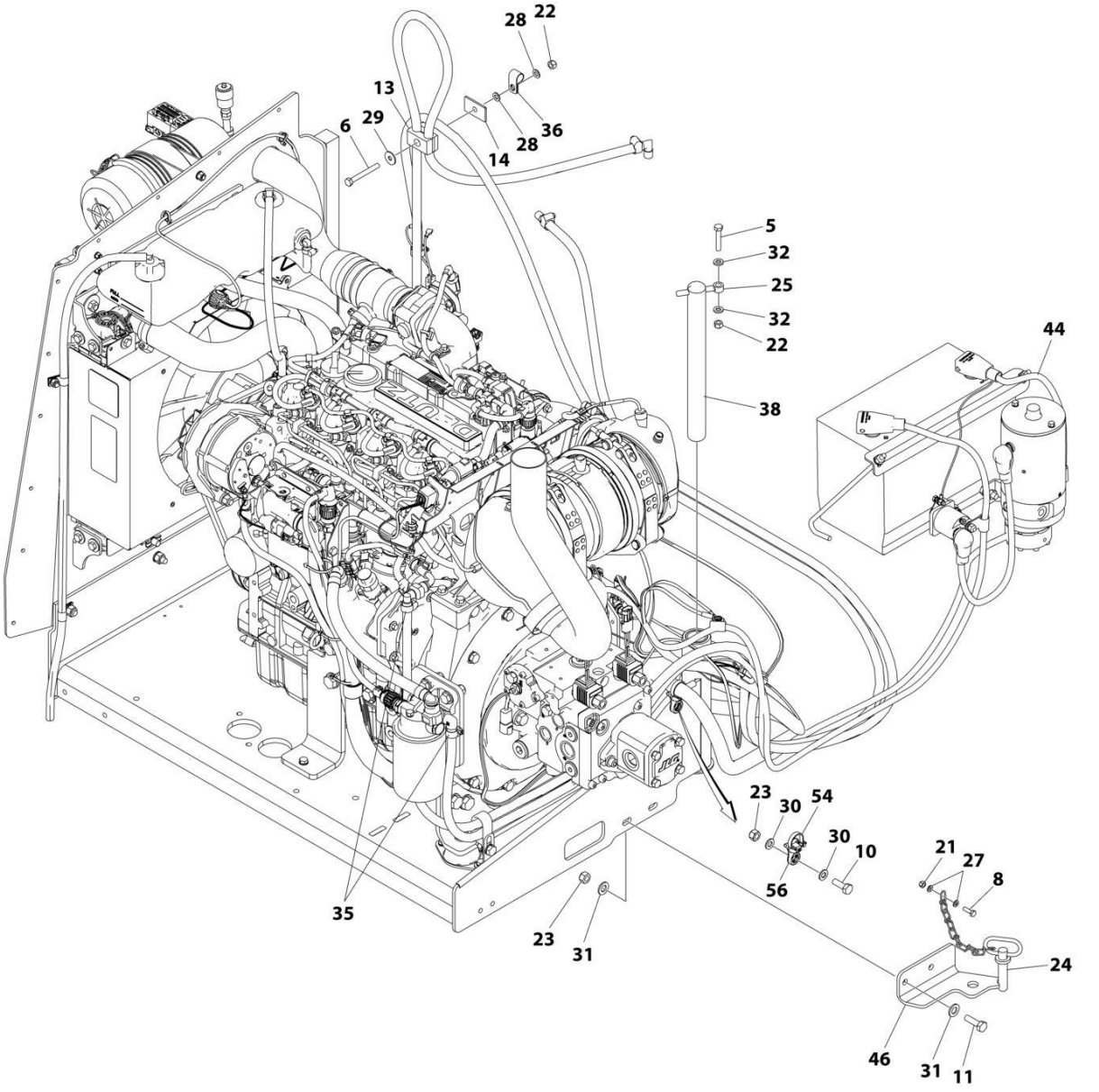


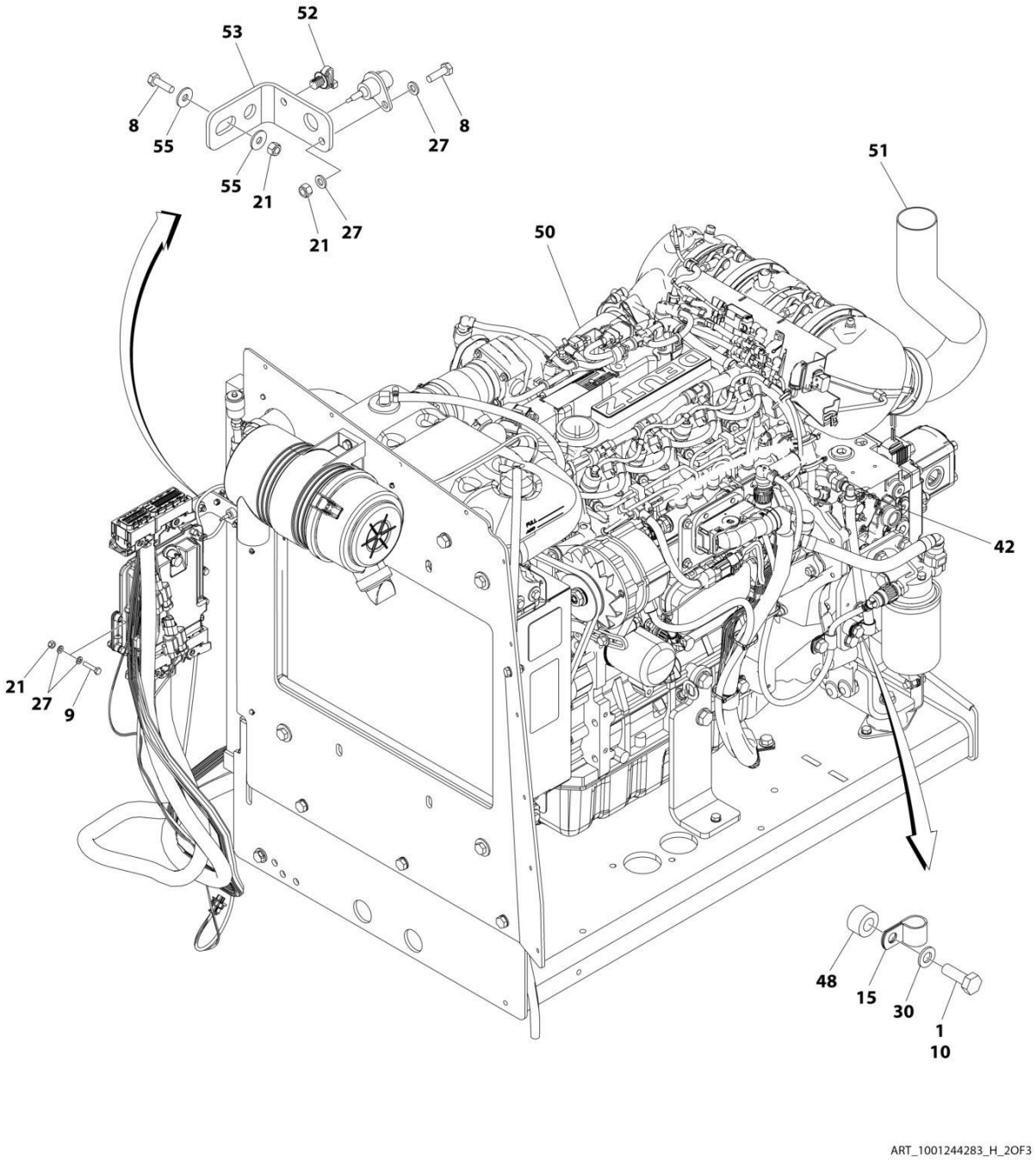
FIGURE 3-15. ENGINE COMPONENTS - DEUTZ D2.9L4 ERM5 ENGINE (ANSI, ANSI EXPORT AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302954	Ref	ENGINE COMPONENTS - DEUTZ D2.9L4 EMR5 ENGINE	A
	See Note	Ref	Note: Contact JLG Customer Service for availability for addition components.	
		Ref	AIR INTAKE SYSTEM	
	70005180	1	Breather Line	
	70005182	1	Charge Air Elbow	
		Ref	COOLING SYSTEM COMPONENTS	
	70030360	1	Pump, Coolant	
	70007603	1	Thermostat	
		Ref	ELECTRICAL COMPONENT	
	70031144	1	Starter	
	NPN	1	Generator	
	70024507	1	Sensor, Pressure (Air Intake)	
	70026210	1	Sensor, Speed	
	70025231	1	Harness, Glow Plug	
	70024919	1	Sensor, Fuel Filter	
	70024504	1	Sensor, Pressure	
	70028540	1	Transmitter, Temperature	
	70029512	1	Module, Engine Control	
	70031143	1	Regulator, Voltage	
		Ref	EXHAUST COMPONENT	
	70004282	1	Exhaust Manifold	
	70031136	1	Pipe, Exhaust	
	70012257	1	Valve, Exhaust	
	70004508	1	Valve, Volume Control	
		Ref	FUEL SYSTEM COMPONENT	
	70030381	1	Pump, High Pressure	
	70004281	1	Injector, Fuel	
	NPN	1	Pump, Fuel Supply (Includes qty 2 Clamps)	
	70024961	1	Filter, Fuel	
	1001225430	1	Filter, Fuel (Pre-Filter)	
	70024513	1	Cable, Sensor	
	70025239	1	Seal	
	70029451	1	Filter, Fuel	
	1001225431	1	Filter, Fuel (Spin-On)	
	70024502	1	Pipe, Fuel	
		Ref	GASKET AND SEAL COMPONENT	
	70024905	2	Seal, Dipstick	
	70005942	1	Seal, Oil Plug	
	70005171	1	Gasket, Valve Cover	
	70024906	1	Gasket, Head	
	70002718	1	Seal, Rear Main	
	70005177	1	Gasket, Charge Air Housing	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Seal, Thermostat	
	70025164	1	Gasket, Exhaust Manifold to Head	
	70007326	1	Gasket, EGR Valve	
	70031095	1	Gasket, Exhaust Return Pipe	
	70007354	1	Gasket, Short Exhaust Pipe	

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

FIGURE 3-16. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

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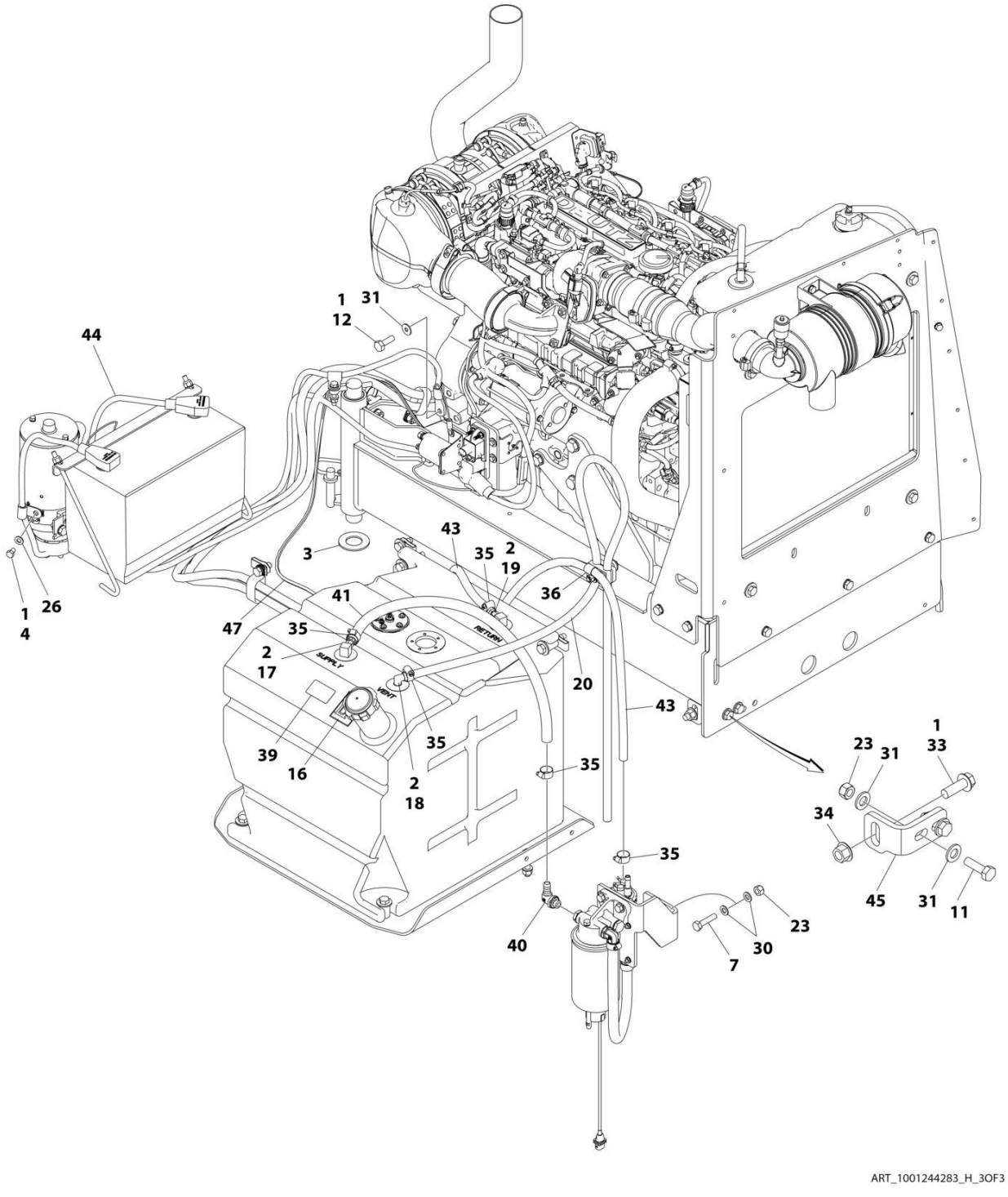
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FIGURE 3-16. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244283	Ref	ENGINE INSTALLATION - DEUTZ STAGE V ENGINE	H
1	0100011	AR	Compound, Locking	
2	0100020	1	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	4	Bolt M10 x 30	
11	0761015	2	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 3/8 NPTF / 3/8	
19	8430007	AR	Coupling	
20	2750532	5.5 ft /1.69m	Hose	
21	3290605	8	Nut M6	
22	3290805	2	Nut M8	
23	3291005	7	Nut M10	
24	3422532	1	Pin	
25	3841143	1	Keeper, Pin	
26	4711500	1	Washer, 5/16	
27	4811700	12	Washer, M6	
28	4811900	2	Washer, M8	
29	4811902	1	Washer, M8	
30	4812000	7	Washer, M10	
31	4812100	9	Washer, M12	
32	5240800	2	Washer, M8 Hardened	
33	5251215	1	Bolt M12 x 35	
34	5261200	1	Nut, Flange M12 Class10	
35	8405006	7	Clamp	
36	8406101	1	Clip	
38	1001135196	1	Pin	
39	1001139654	1	Decal, Ultra Low 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	
46	1001169823	1	Plate, Engine Lock	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001173342	1	Harness, Fuel Pump (See Separate Breakdown in ELECTRICAL Section)	
48	1001220266	1	Bar, Spacer M12 x 12	
50	1001277600	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	1062255	AR	Tie-Strap (Not Shown)	
55	4811702	4	Washer M6	
56	1001156107	1	Holder	

FIGURE 3-17. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

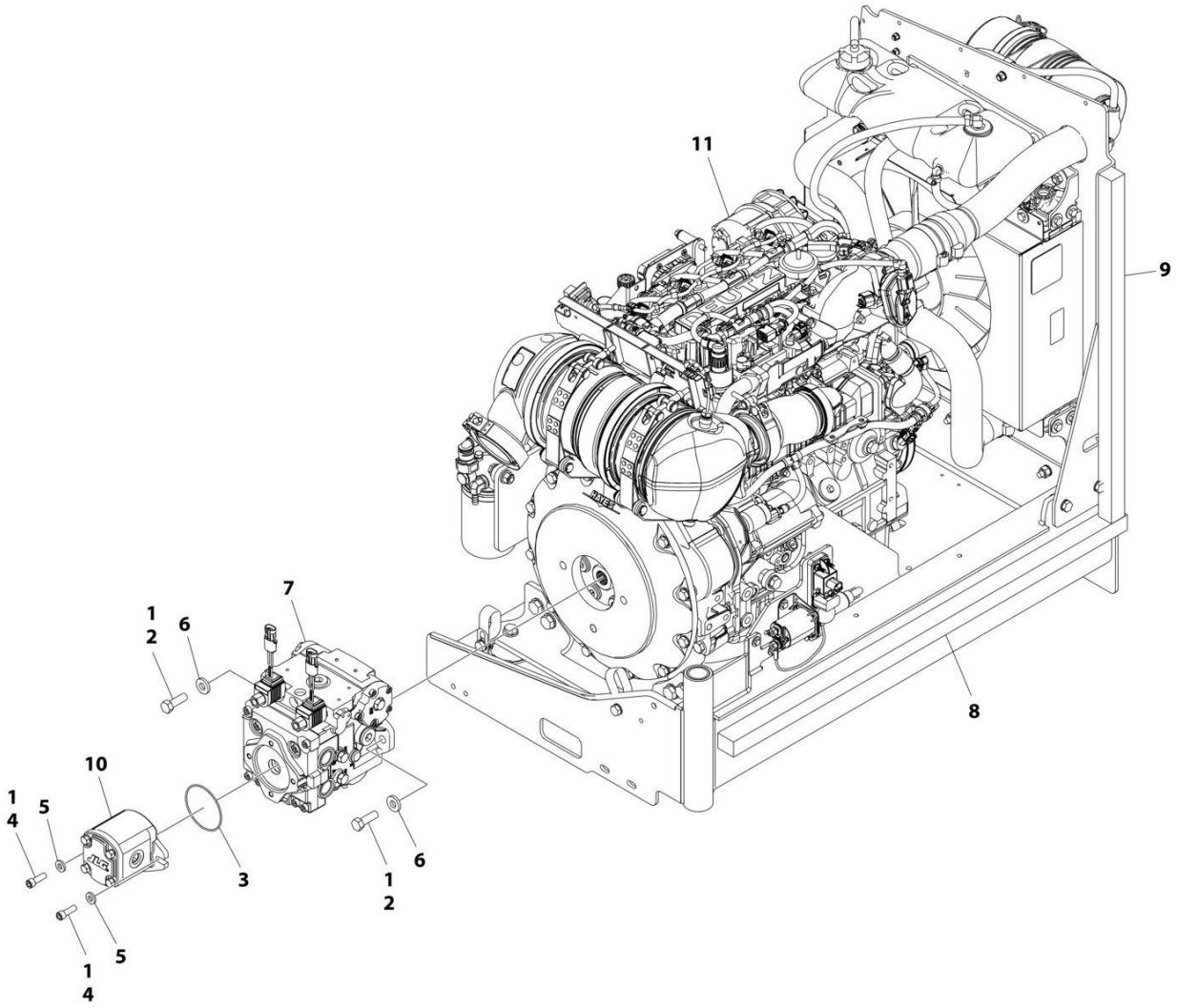
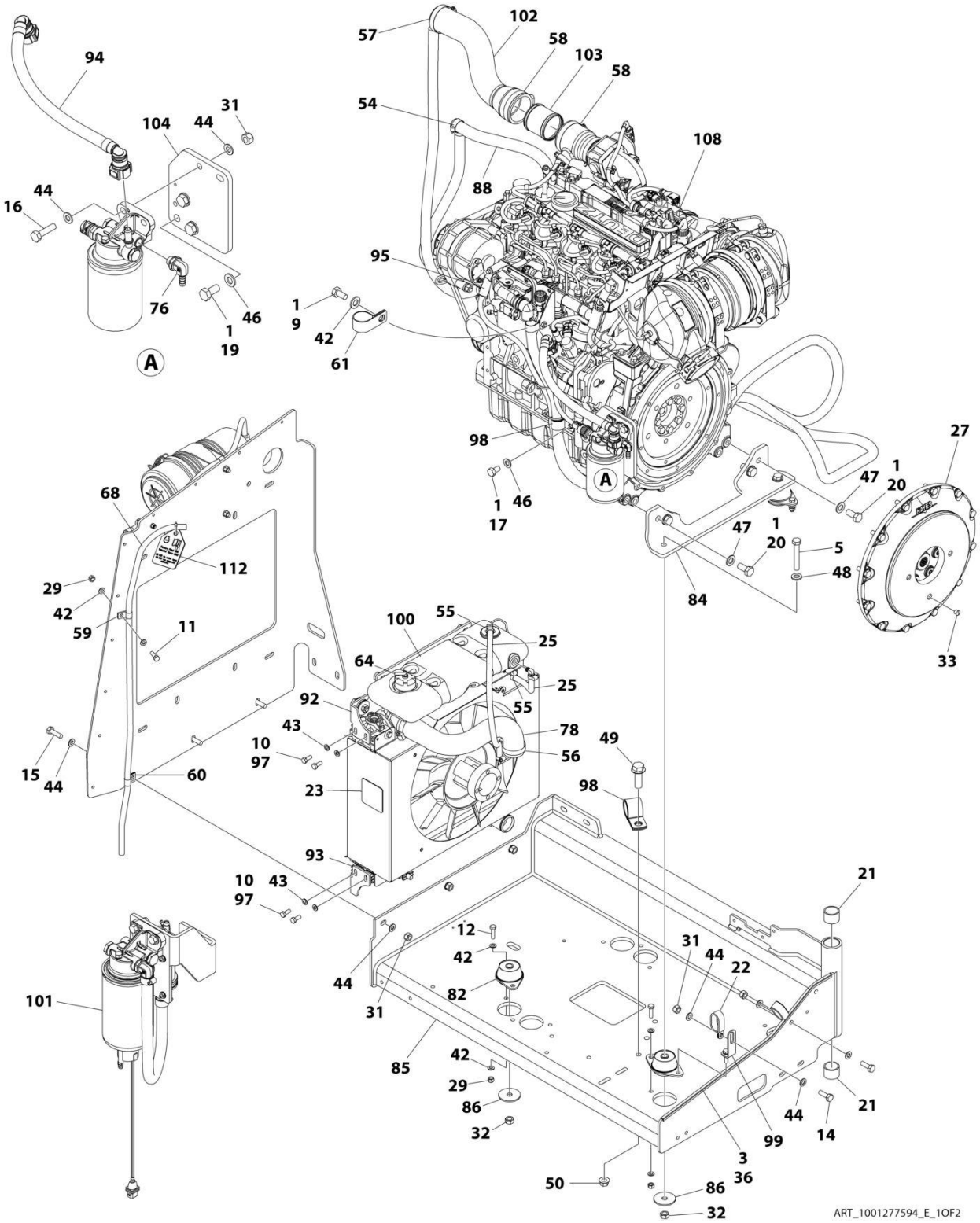


FIGURE 3-17. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277600	Ref	ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ (STAGE V) ENGINE	B
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	3790152	1	O-Ring	
4	3931618	2	Capscrew 3/8 x 1-1/8	
5	4891600	2	Washer 3/8 Hardened	
6	4891800	2	Washer 1/2 Hardened	
7	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
8	1001171953	1	Seal	
9	1001171954	1	Seal	
10	1001214207	1	Gear Pump Assembly	
10	70006356	1	Seal Kit - 1001214207 Pump	
11	1001277594	1	Engine Assembly, Deutz (Stage V) Engine (See Separate Breakdown in this Section)	

FIGURE 3-18. ENGINE ASSEMBLY – DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)



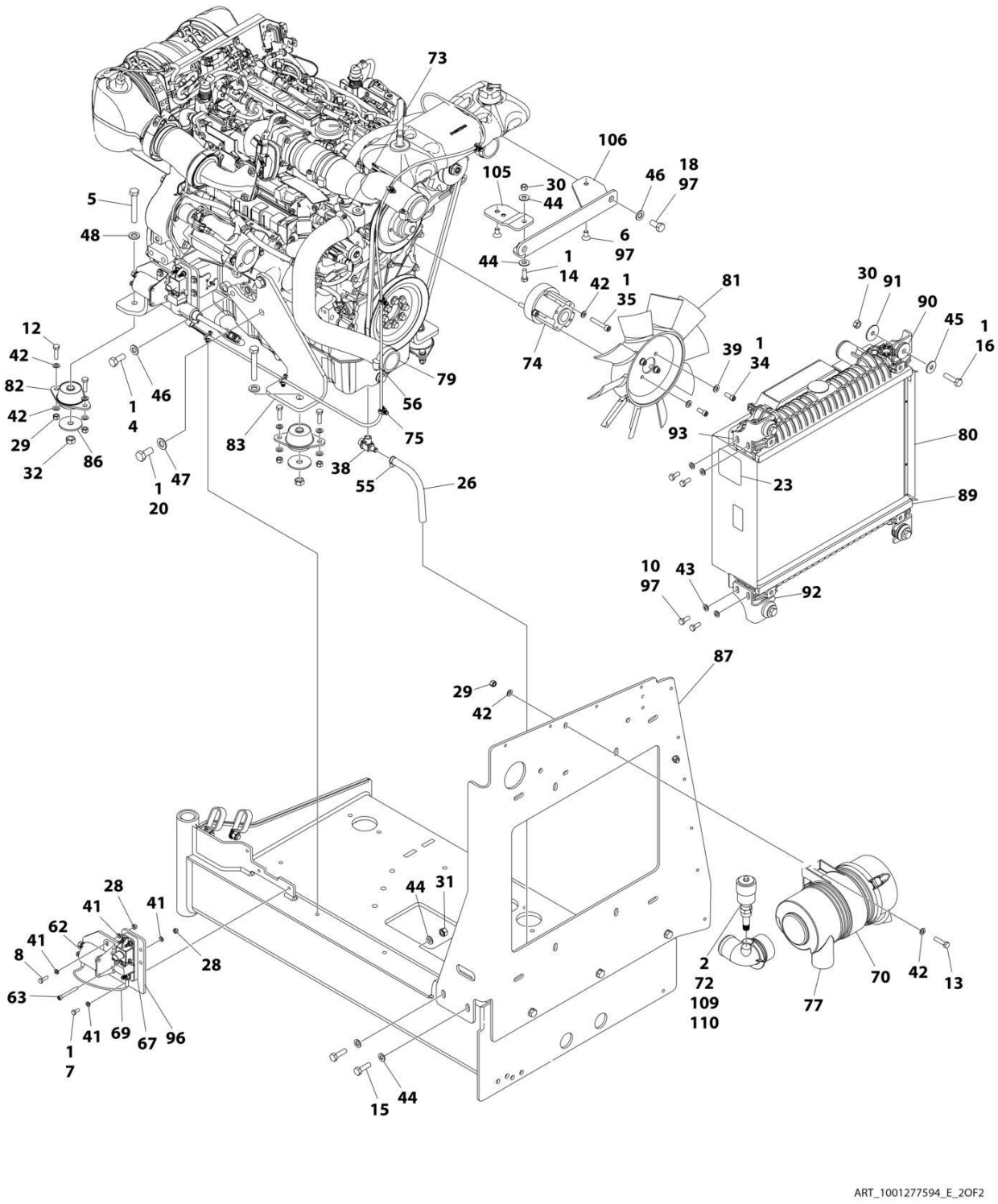


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FIGURE 3-18. ENGINE ASSEMBLY – DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277594	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 (STAGE V)	E
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
4	0711214	1	Bolt M12 x 30 Class 10.9	
5	0711224	3	Bolt M12 x 80 Class 10.9	
6	0741606	2	Screw 3/8 x 3/4	
7	0760607	3	Bolt M6 x 14	
8	0760610	2	Bolt M6 x 20	
9	0760808	1	Bolt M8 x 16	
10	0760810	8	Bolt M8 x 20	
11	0760812	1	Bolt M8 x 25	
12	0760814	6	Bolt M8 x 30	
13	0760815	2	Bolt M8 x 35	
14	0761014	3	Bolt M10 x 30	
15	0761015	5	Bolt M8 x 35	
16	0761016	6	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771212	3	Bolt M12 x 25	
20	0771414	6	Bolt M14 x 30 Class 10.9	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
25	2720015	2 ft /1 m	Hose	
26	2720340	1 ft/1 m	Hose	
27	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
28	3290605	3	Nut M6	
29	3290805	9	Nut M8	
30	3291001	5	Nut M10	
31	3291005	9	Nut M10	
32	3331215	3	Nut M12 x 1.75	
33	3520054	1	Plug	
34	3931512	4	Capscrew, 5/16 x 3/4	
35	4031914	4	Bolt M8 x 50	
36	4060805	3 ft /1 m	Flex-Trim	
37	4240099	AR	Tie-Strap (Not Shown)	
38	4640751	1	Valve, Oil Drain	
39	4711500	4	Washer 5/16	
40	4811700	2	Washer M6	
41	4811702	8	Washer M6	
42	4811900	23	Washer M8	
43	4811902	8	Washer M8	
44	4812000	20	Washer M10	
45	4812002	4	Washer M10	
46	4812100	7	Washer M12	
47	4812200	6	Washer M14	
48	5241200	3	Washer M12	
49	5251215	1	Bolt M12 x 35	
50	5261200	1	Nut, Flange M12 Class10	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	8405007	2	Clamp	
55	8405009	5	Clamp	
56	8405104	4	Clamp	
57	8405202	1	Clamp	
58	8405204	2	Clamp	
59	8406109	1	Clip	
60	8406110	1	Clip	
61	8406201	1	Clip	
62	1001117308	1	Relay, 200Amp	
63	1001118878	1	Bolt M6 x 55	
64	1001136834	1	Cap, Tank	
67	1001138228	1	Relay, Power Module	
68	1001138248	4 ft/1 m	Tube	
69	1001141304	1	Harness, Glow Plug	
70	1001141694	1	Clamp, Air Cleaner	
72	1001143390	1	Indicator	
73	1001143797	1	Fitting, Barbed	
74	1001144116	1	Spacer, Fan	
75	1001146588	AR	Tie-Strap (Not Shown)	
76	1001152489	1	Fitting, Barbed 90	
77	1001165388	1	Air Cleaner Assembly	
78	1001165405	1	Hose, Upper Radiator	
79	1001165406	1	Hose, Lower Radiator	
80	1001165722	1	Radiator	
81	1001165849	1	Fan	
82	1001166718	3	Mount, Motor	
83	1001166921	1	Plate, Engine Mount	
84	1001166924	1	Plate, Engine Mount	
85	1001167520	1	Tray, Engine	
86	1001168018	3	Washer, Special	
87	1001168026	1	Plate, Radiator Mounting	
88	1001168099	1	Hose	
89	1001168166	2	Seal	
90	1001169054	4	Isolator	
91	1001169138	4	Washer, Snubbing	
92	1001169967	2	Bracket	
93	1001170035	2	Bracket	
94	1001177359	1	Hose	
95	1001178788	1	Cable, Alternator	
96	1001179903	1	Bracket	
97	1001180620	AR	Adhesive	
98	1001191620	2	Clamp	
99	1001223122	1	Support	
100	1001230635	1	Tank, Surge (Includes Items 62, 70, & 73)	
101	1001235949	1	Bracket (See Separate Breakdown in this Section)	
102	1001236780	1	Hose, Air Intake	
103	1001238911	1	Pipe, Air Intake	
104	1001258804	1	Mount, Fuel Filter	
105	1001260412	1	Bracket	
106	1001260420	1	Bracket (note: may require P/N 1001260412)	
107	1001276643	1	Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section)	

SECTION 3 - ENGINE

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

FIGURE 3-19. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

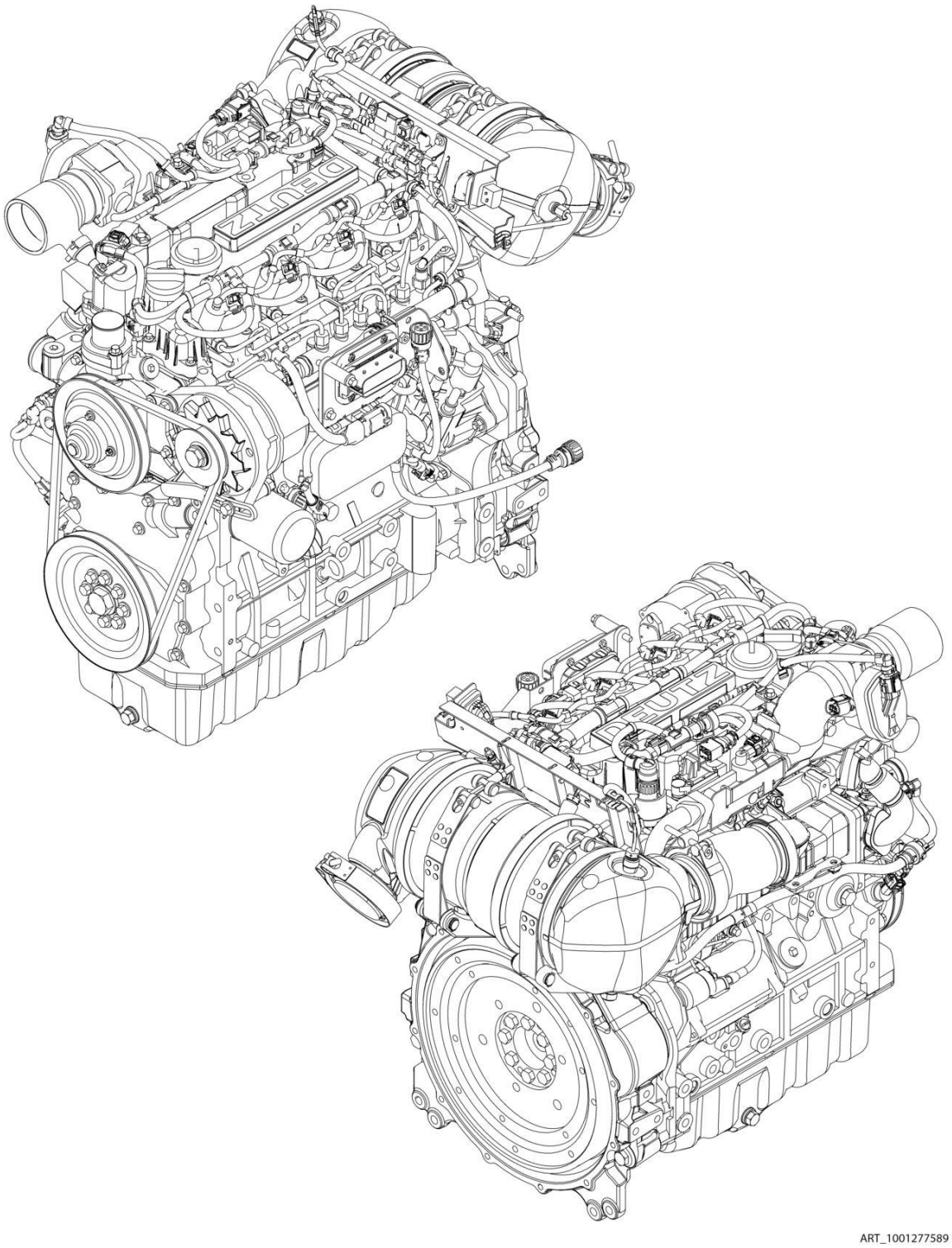


FIGURE 3-19. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (STAGE V) (CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277589	Ref	DEUTZ ENGINE COMPONENTS	B
	SEE NOTE	1	Note: Additional components may be available. Contact JLG Customer Service for more details.	
		Ref	**COOLING SYSTEM COMPONENTS**	
	70031474	1	Cooler, Oil	
	70031388	1	Seal, Oil Cooler	
	70030360	1	Pump, Coolant (Includes Gaskets & Seals)	
	70031055	1	O-Ring, Coolant Pump	
	70007325	1	Gasket	
	70007603	1	Thermostat	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Gasket, Thermostat	
		Ref	**ELECTRICAL SYSTEM COMPONENTS**	
	70024513	1	Cable, Primary Fuel Filter Sensor (Includes Seal)	
	70025239	1	Seal	
	70028538	1	Sensor, Fuel Pressure (at Filter) (Includes Seal)	
	70024920	1	Seal	
	70029512	1	Module, ECU/ECM	
	70027405	1	Senor, Exhaust Temperature	
	70031144	1	Starter	
	70008435	1	Generator (includes Regulator)	
	70031143	1	Regulator	
	70000345	4	Plug, Glow	
	70025231	1	Harness, Glow Pug	
	70008553	1	Cable, Interconnect	
	70008558	1	Harness, Engine	
	1001211556	1	Sensor, Temperature (Includes O-Seal)	
	70005507	1	O-Seal	
	70028540	1	Sensor, Temperature (in Cylinder Head)	
	70024504	1	Sensor, Oil Pressure (Side of Block) (Includes Seal)	
	70024920	1	Seal	
	70026210	2	Sensor, Speed (Includes O-Ring/Seal)	
	70005191	1	O-Ring	
	70024917	1	Seal	
	70008559	1	Sensor, Air Pressure (Air Exchange Manifold) (Includes O-Ring)	
	70008561	1	Sensor, Air Pressure (Air Exchange Manifold) (Includes O-Ring)	
	70024505	1	Sender, Exhaust Temperature	
	70029409	1	Sender, Exhaust Temperature	
	70008431	1	Sensor, Exhaust Pressure	
		Ref	**EXHAUST SYSTEM COMPONENTS**	
	70025130	8	Bolt, Exhaust Manifold	
	70025164	1	Gasket, Exhaust Manifold to Head	
	70005505	2	O-Seal	
	70008543	1	Pipe, Exhaust	
	70008544	1	O-Seal, Exhaust (Venturi Tube to Exhaust Pipe)	
	70008545	1	Gasket, Square Exhaust	
	70005504	1	Sensor, Exhaust Pressure (Includes O-Seals)	
	70031136	1	Gasket, Exhaust (Upper)	
	70007354	1	Gasket, Exhaust (Lower)	
	70008547	1	Module, EGR (Includes Gasket)	

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

FIGURE 3-20. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE

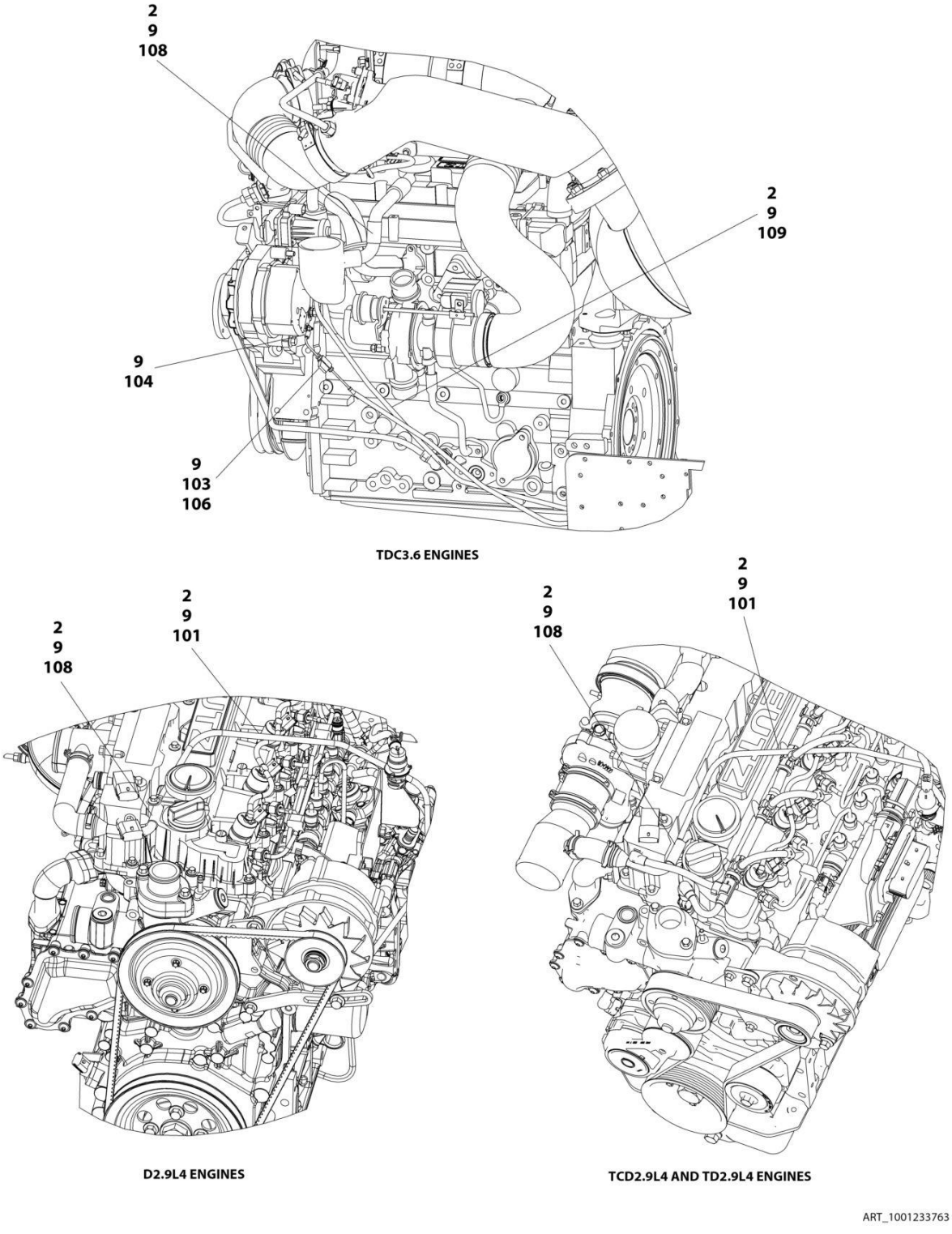


FIGURE 3-20. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE

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

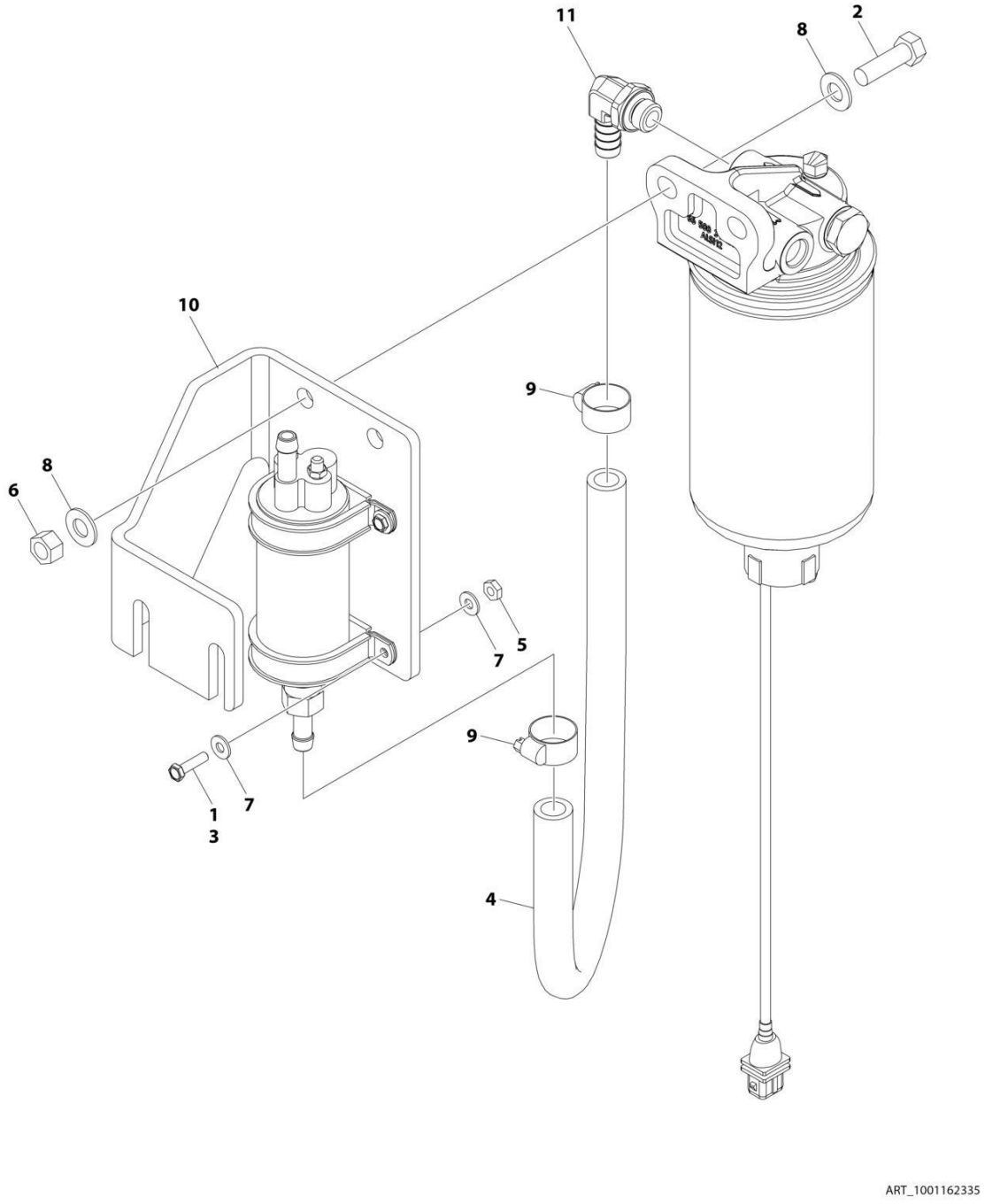


FIGURE 3-21. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE)

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 ENGINE) (STAGE V)

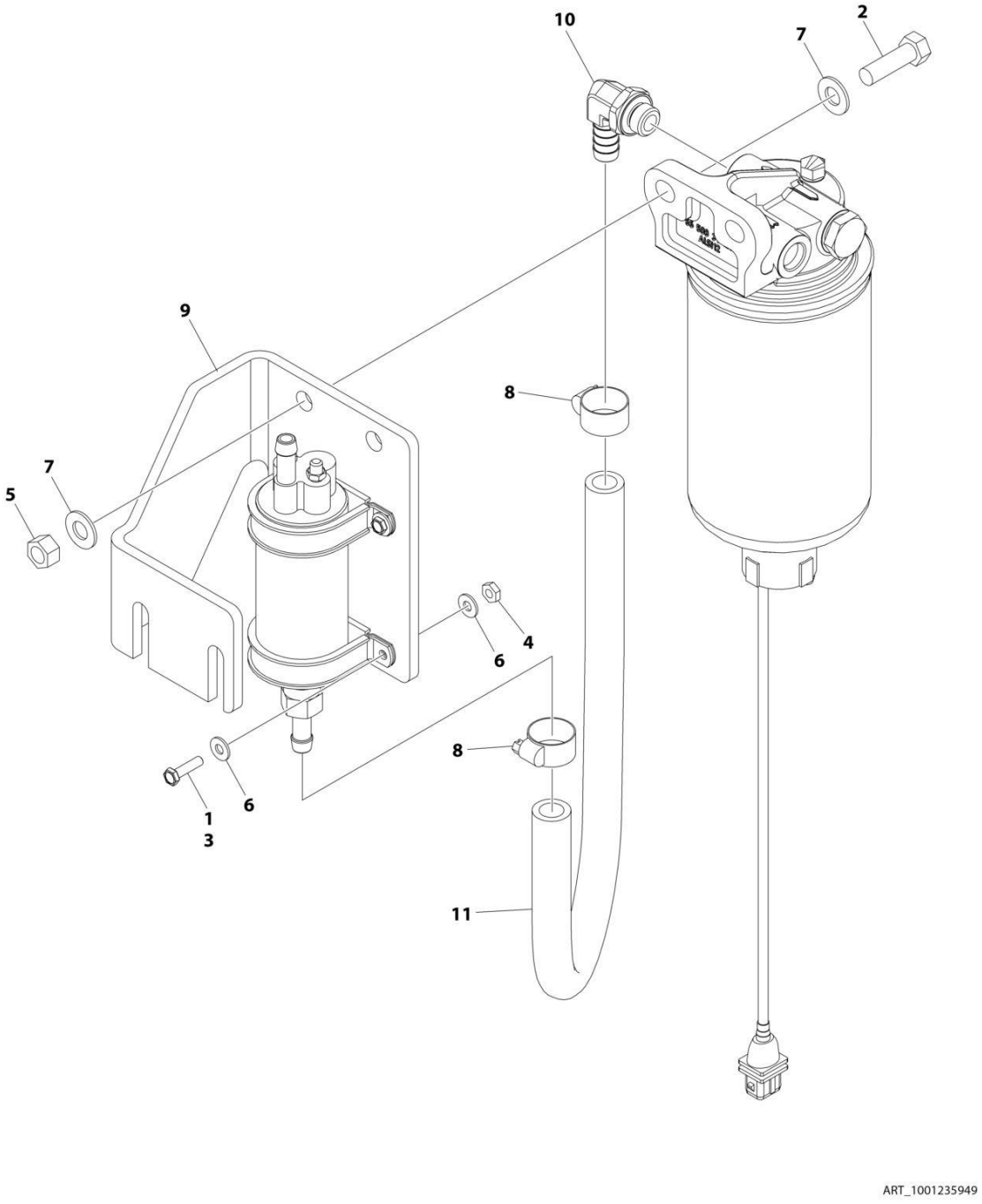


FIGURE 3-22. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE) (STAGE V)

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. PUMP COUPLING KIT (DEUTZ ENGINES)

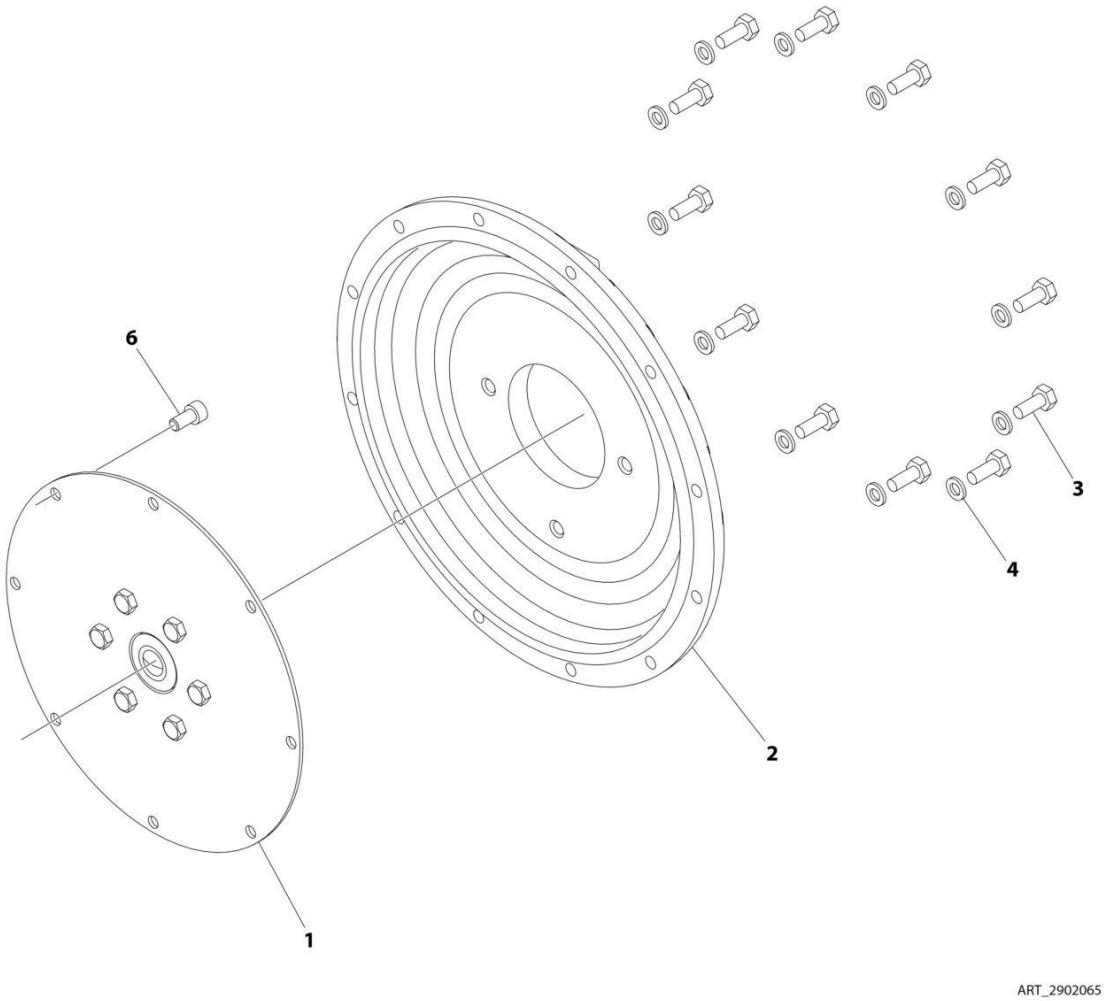
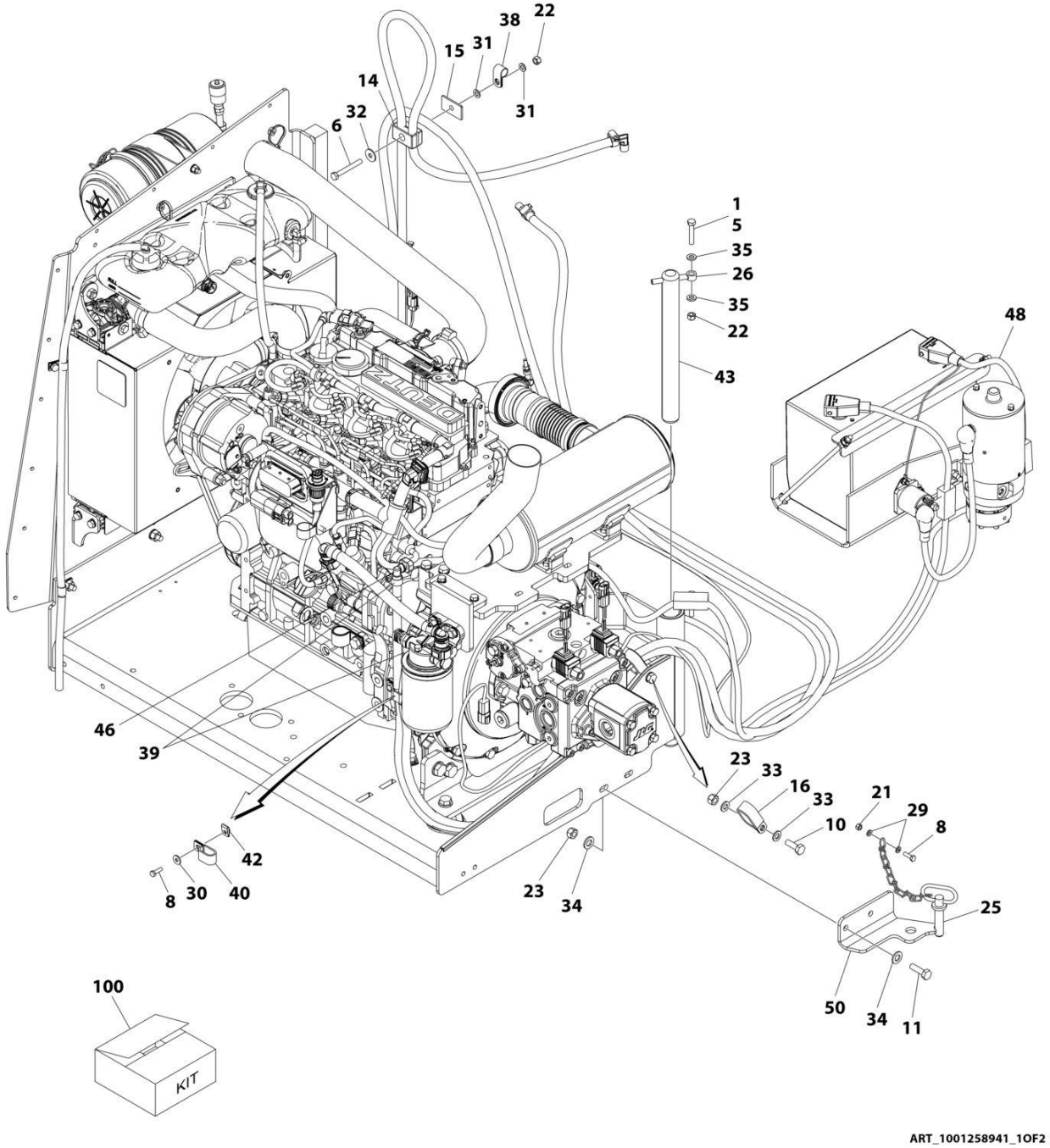


FIGURE 3-23. PUMP COUPLING KIT (DEUTZ ENGINES)

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

FIGURE 3-24. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (CHINA IV)



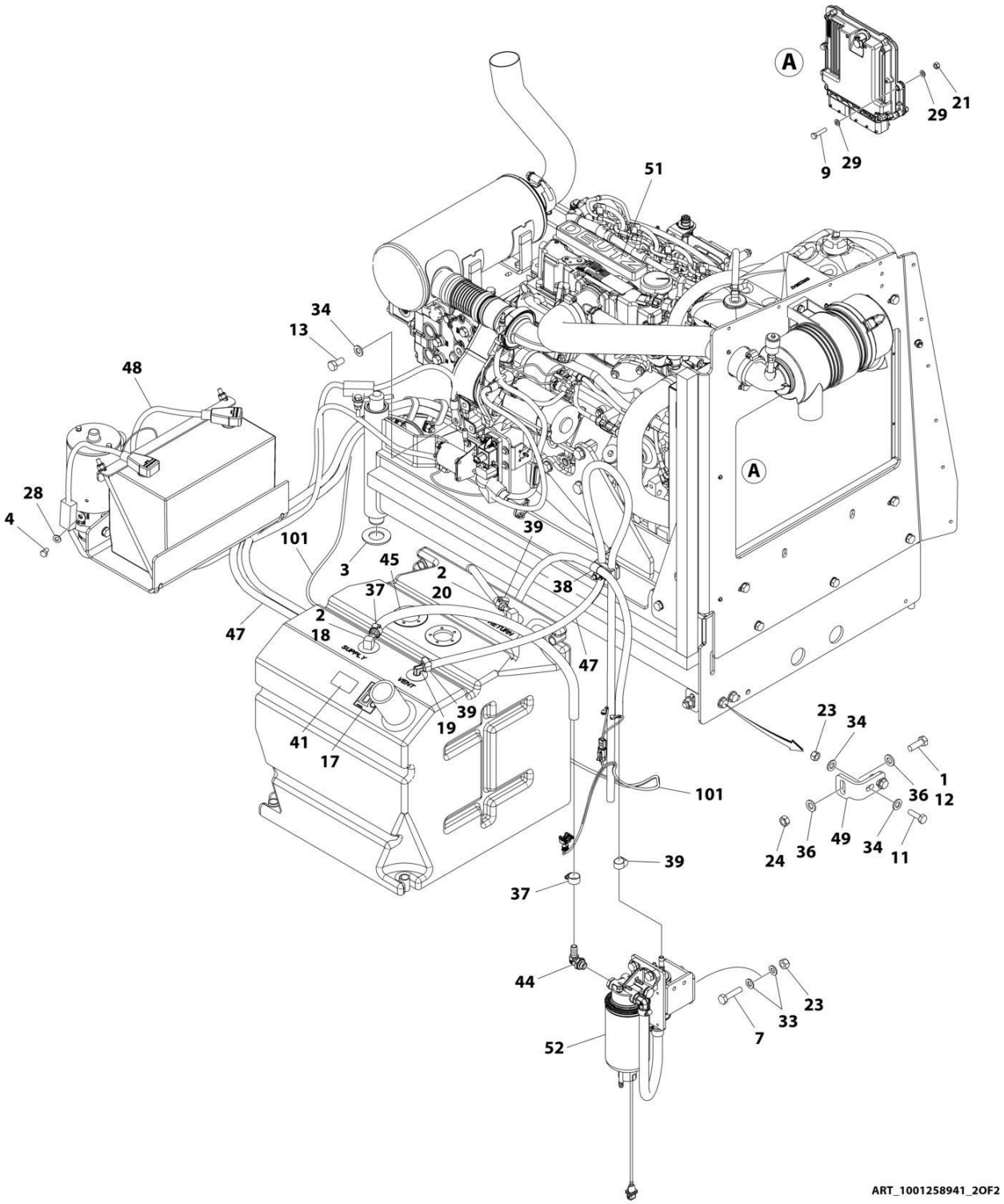

A
21
29
29
9
51
34
13
48
28
4
101
3
45
2
20
37
2
18
47
39
38
47
39
19
41
17
23
34
1
12
36
49
34
11
24
36
101
39
37
44
23
33
7
52
A
ART_1001258941_2OF2

FIGURE 3-24. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (CHINA IV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258941	Ref	DEUTZ D2.9L4 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0700821	1	Bolt M8 x 65	
7	0701017	2	Bolt M10 x 45	
8	0760610	2	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	0761215	1	Bolt M12 x 35	
13	0771212	1	Bolt M12 x 25 Class 10.9	
14	1320187	1	Clamp	
15	1320190	1	Clamp	
16	1321716	2	Clamp	
17	1701505	1	Decal - Diesel Fuel	
18	2180832	1	Fitting, Barbed	
19	2220313	1	Fitting, Barded 90 3/8 NPTF / 3/8	
20	2220767	1	Fitting, Barbed 90	
21	3290605	5	Nut, Lock M8	
22	3290805	2	Nut, Lock M8	
23	3291005	8	Nut, Lock M10	
24	3331215	1	Nut, Lock M12	
25	3422532	1	Pin	
26	3841143	1	Keeper, Pin	
27	4240099	AR	Tie-Strap (Not Shown)	
28	4711500	1	Washer 5/16	
29	4811700	10	Washer M6	
30	4811702	1	Washer M6	
31	4811900	2	Washer M8	
32	4811902	1	Washer M8	
33	4812000	8	Washer M10	
34	4812100	9	Washer M12	
35	5240800	2	Washer M8 Hardened	
36	5241200	2	Washer M12	
37	8405006	2	Clamp	
38	8406101	1	Clip	
39	8410013	5	Clamp	
40	1001026127	1	Clamp	
41	1001125387	1	Decal - Ultra Low Sulfur	
42	1001130220	1	Nut, Tinnerman M6	
43	1001135196	1	Pin	
44	1001142501	1	Fitting, Barbed 90	
45	1001154405	2.29 ft / 0.70m	Hose	
46	1001155823	1	Coupling, Quick Disconnect 90	
47	1001165035	27 ft / 8.3 cm	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001166970	1	Battery and Auxiliary Power Pump Cable Kit	
49	1001167512	1	Bracket, Engine Tray	
50	1001169823	1	Plate, Engine Lock	
51	1001258942	1	Deutz D2.9L4 (China IV) Engine Sub-Assembly (See Separate Breakdown in this Section)	
52	1001259087	1	Fuel Pump & Filter Assembly (See Separate Breakdown in this Section)	
100	1001222660	1	Deutz Fuel Pump Harness Kit (Includes Items 101-103)	
101	1001173342	1	Harness, Fuel Pump (See Separate Breakdown in ELECTRICAL Section)	
103	4460042	1	Terminal (Not Shown)	

FIGURE 3-25. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (CHINA IV)

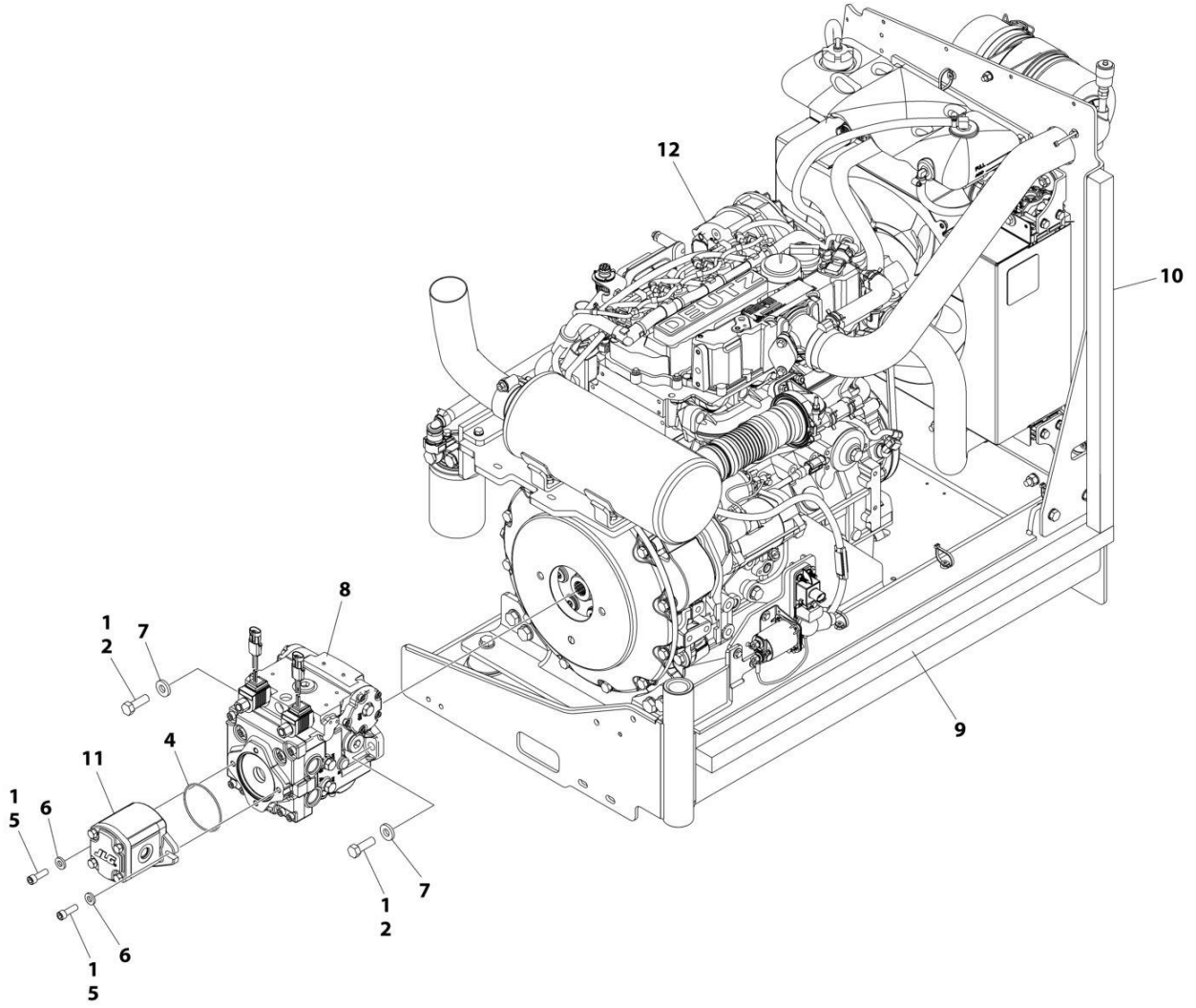
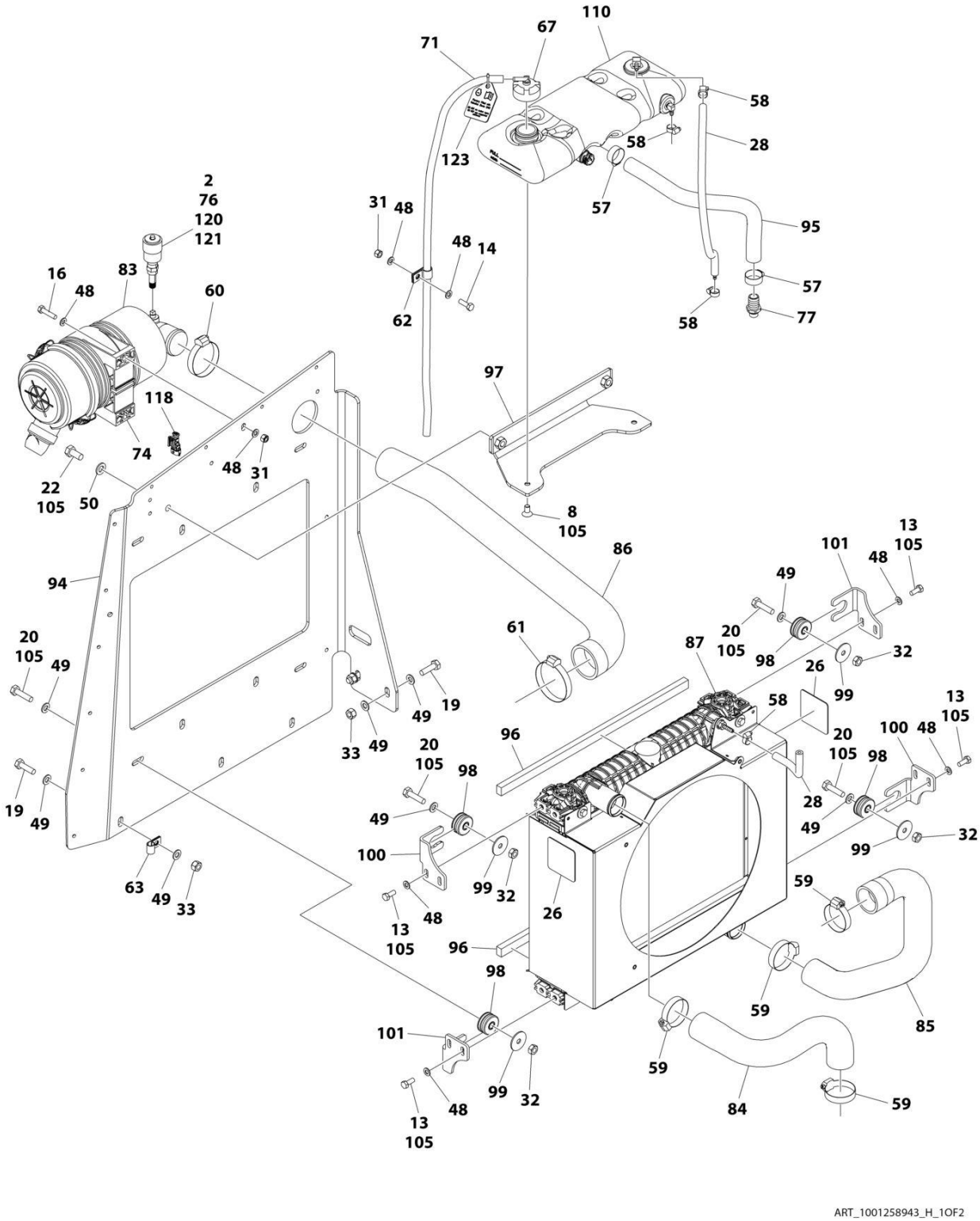


FIGURE 3-25. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 ENGINE (CHINA IV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258942	Ref	ENGINE AND PUMP SUB-ASSEMBLY	G
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
4	3790152	1	O-Ring	
5	3931618	2	Capscrew 3/8 x 1-1/8	
6	4891600	2	Washer 3/8 Hardened	
7	4891800	2	Washer 1/2 Hardened	
8	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
9	1001171953	1	Seal	
10	1001171954	1	Seal	
11	1001214207	1	Gear Pump Assembly	
11	70006356	1	Seal Kit - 1001214207 Pump	
12	1001258943	1	Engine Assembly, Deutz (China IV) Engine (See Separate Breakdown in this Section)	

FIGURE 3-26. ENGINE ASSEMBLY - DEUTZ D2.9L4 (CHINA IV)



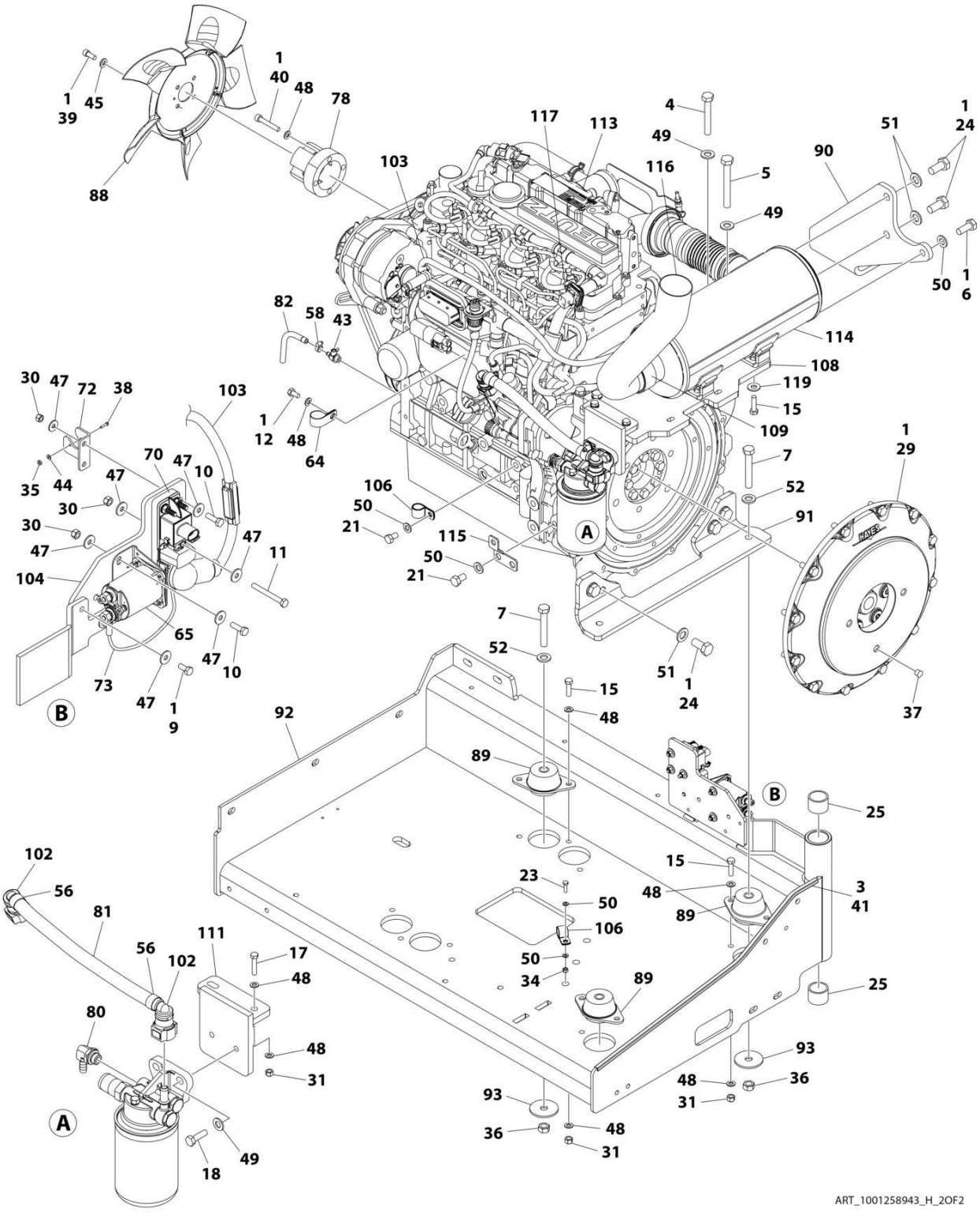

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FIGURE 3-26. ENGINE ASSEMBLY - DEUTZ D2.9L4 (CHINA IV)

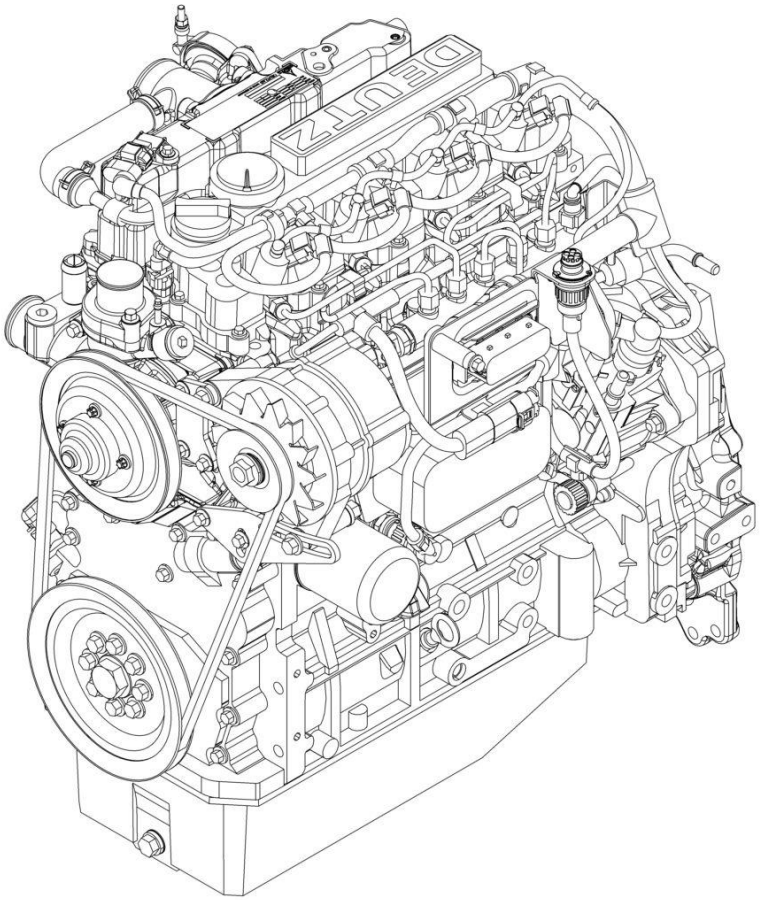
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258943	Ref	DEUTZ D2.9L4 ENGINE ASSEMBLY	H
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100081	AR	Compound, Locking	
4	0701022	2	Bolt M10 x 70	
5	0701025	2	Bolt M10 x 85	
6	0711214	1	Bolt M12 x 30 Class 10.9	
7	0711224	3	Bolt M12 x 80 Class 10.9	
8	0741606	2	Screw 3/8 x 3/4	
9	0760607	3	Bolt M6 x 14	
10	0760610	4	Bolt M6 x 20	
11	0760619	1	Bolt M6 x 55	
12	0760808	1	Bolt M8 x 16	
13	0760810	8	Bolt M8 x 20	
14	0760812	1	Bolt M8 x 25	
15	0760814	10	Bolt M8 x 30	
16	0760815	2	Bolt M8 x 35	
17	0760816	2	Bolt M8 x 40	
18	0761012	2	Bolt M10 x 25	
19	0761015	5	Bolt M10 x 35	
20	0761016	4	Bolt M10 x 40	
21	0761210	3	Bolt M12 x 20	
22	0761212	2	Bolt M12 x 25	
23	0761216	1	Bolt M12 x 40	
24	0771414	6	Bolt M14 x 30 Class 10.9	
25	0961951	2	Bushing	
26	1703162	2	Decal - Fan Blade	
28	2720015	26 in/65 cm	Hose	
29	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
30	3290605	5	Nut, Lock M6	
31	3290805	11	Nut, Lock M8	
32	3291001	4	Nut M10	
33	3291005	5	Nut, Lock M10	
34	3291205	1	Nut, Lock M12	
35	3310401	3	Nut #4	
36	3331215	3	Nut, Lock M12 Class 10	
37	3520054	1	Plug	
38	3910408	3	Bolt #4 x 1/2	
39	3931512	4	Capscrew 5/16 x 3/4	
40	4031914	4	Capscrew M8 x 50	
41	4060805	2 ft/1 m	Trim	
42	4240099	AR	Tie-Strap (Not Shown)	
43	4640751	1	Valve, Oil Drain	
44	4710400	3	Washer #4	
45	4711500	4	Washer 5/16	
47	4811702	12	Washer M6	
48	4811900	35	Washer M8	
49	4812000	20	Washer M10	
50	4812100	8	Washer M12	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	4812200	6	Washer M14	
52	5241200	3	Washer M12	
56	8405006	2	Clamp	
57	8405007	2	Clamp	
58	8405009	5	Clamp	
59	8405104	4	Clamp	
60	8405202	1	Clamp	
61	8405204	1	Clamp	
62	8406109	1	Clip	
63	8406110	1	Clip	
64	8406201	1	Clip	
65	1001117308	1	Contactor	
67	1001136834	1	Cap, Tank	
70	1001138228	1	Relay	
71	1001138248	4 ft/2 m	Tube	
72	1001139240	1	Bracket	
73	1001141304	1	Harness, Glow Fuse	
74	1001141694	1	Clamp	
76	1001143390	1	Indicator, Air Filter Service	
77	1001143797	1	Fitting, Straight Barbed	
78	1001286568	1	Adapter	
79	1001146588	AR	Fir Tree (Not Shown)	
80	1001152489	1	Fitting, 90 Barbed	
81	1001154405	10 in/25 cm	Hose	
82	1001165035	8 in/20 cm	Hose	
83	1001165388	1	Filter, Air Cleaner	
83	70003783	1	Element, Filter	
84	1001165405	1	Hose, Radiator (Top)	
85	1001165406	1	Hose, Radiator (Bottom)	
86	1001165721	1	Hose	
87	1001287643	1	Radiator	
88	1001288266	1	Fan	
89	1001166718	3	Isolator	
90	1001166921	1	Bracket, Engine - Right	
91	1001166924	1	Bracket, Engine - Rear	
92	1001167520	1	Tray, Engine	
93	1001168018	3	Washer	
94	1001168026	1	Support, Radiator	
95	1001168099	1	Hose	
96	1001168166	2	Seal	
97	1001168950	1	Bracket, Surge Tank	
98	1001169054	4	Isolator	
99	1001169138	4	Pad, Snubbing	
100	1001169967	2	Bracket	
101	1001170035	2	Bracket	
102	1001170982	2	Adapter	
103	1001178788	1	Cable, Alternator Power	
104	1001179903	1	Bracket	
105	1001180620	AR	Compound, Locking	
106	1001191620	2	Clamp	
108	1001221203	1	Bracket, Muffler	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
109	1001221212	1	Clamp	
110	1001230635	1	Tank, Surge	
110	1001134488	1	Fitting, 90 Barbed	
110	1001138827	1	Sensor, Coolant Level	
110	1001140564	1	Fitting, 90 Barbed	
111	1001288366	1	Bracket, Fuel Filter	
112	1001276643	1	Engine Harness - Deutz D2.9L4 (China IV) (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
113	1001258112	1	Deutz D2.9L4 (China IV) Engine (See Separate Breakdown in ELECTRICAL Section)	
114	1001280270	1	Muffler	
115	1001258502	1	Bracket	
116	1001260576	1	Pipe, Exhaust	
117	1001281985	1	Connector	
118	1001281986	1	Connector	
119	4811902	4	Washer M8	
120	2200261	1	Fitting	
121	1001277432	1	Spacer	
122	4240032	1	Tie-Strap (Not Shown)	
123	1001291401	1	Tag, Coolant	

FIGURE 3-27. ENGINE COMPONENTS - DEUTZ D2.9L4 (CHINA IV)



ART_1001258112

FIGURE 3-27. ENGINE COMPONENTS - DEUTZ D2.9L4 (CHINA IV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258112	Ref	DEUTZ D2.9L4 ENGINE COMPONENTS	B
	See Note	Ref	Note: No Service Parts Available at Time of Printing.	

FIGURE 3-28. QUICKFIT OIL DRAIN INSTALLATION (DEUTZ D2.9L4 ENGINES)

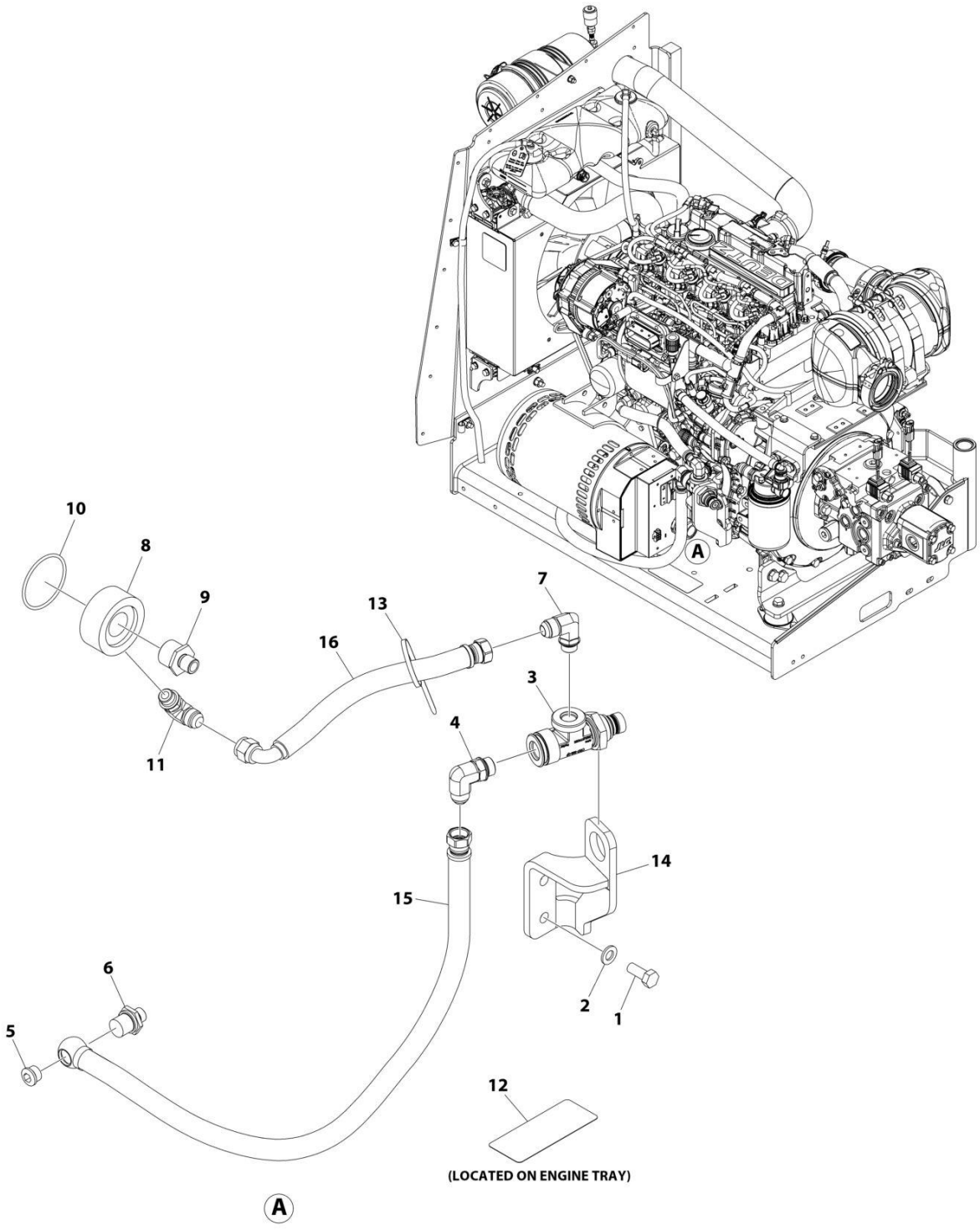


FIGURE 3-28. QUICKFIT OIL DRAIN INSTALLATION (DEUTZ D2.9L4 ENGINES)

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

FIGURE 3-29. QUICKFIT OIL DRAIN INSTALLATION (KUBOTA 2.5L DF)

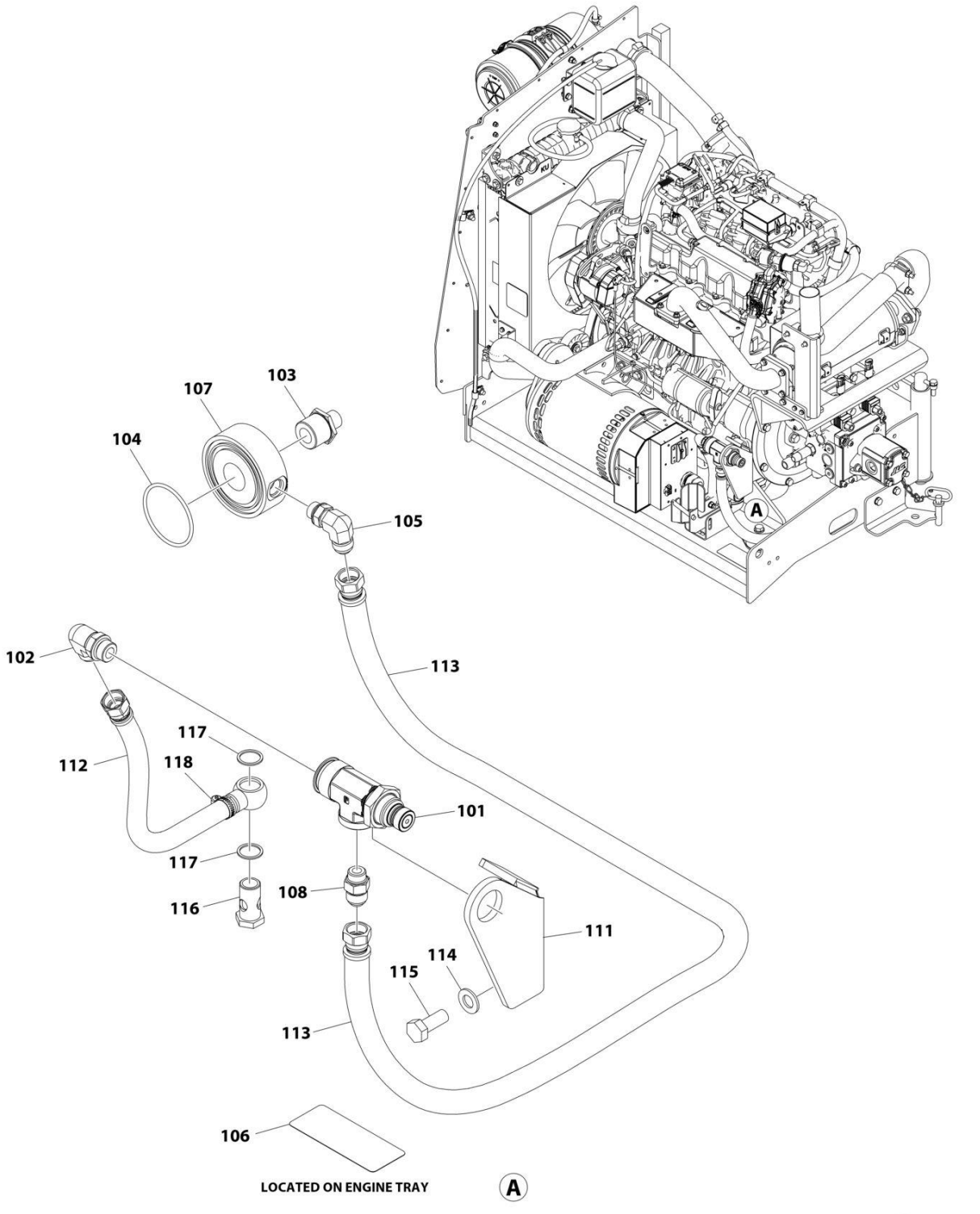
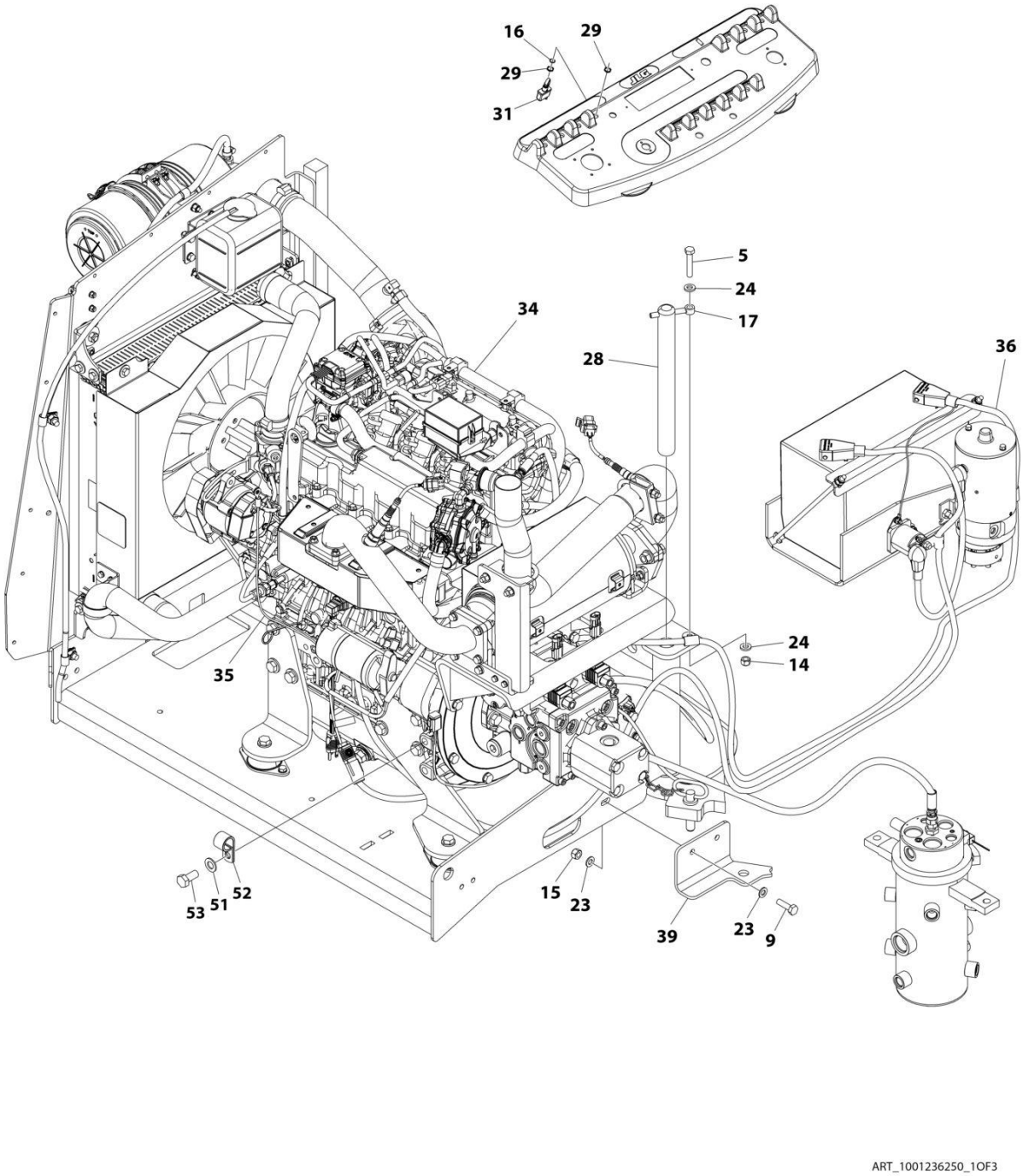
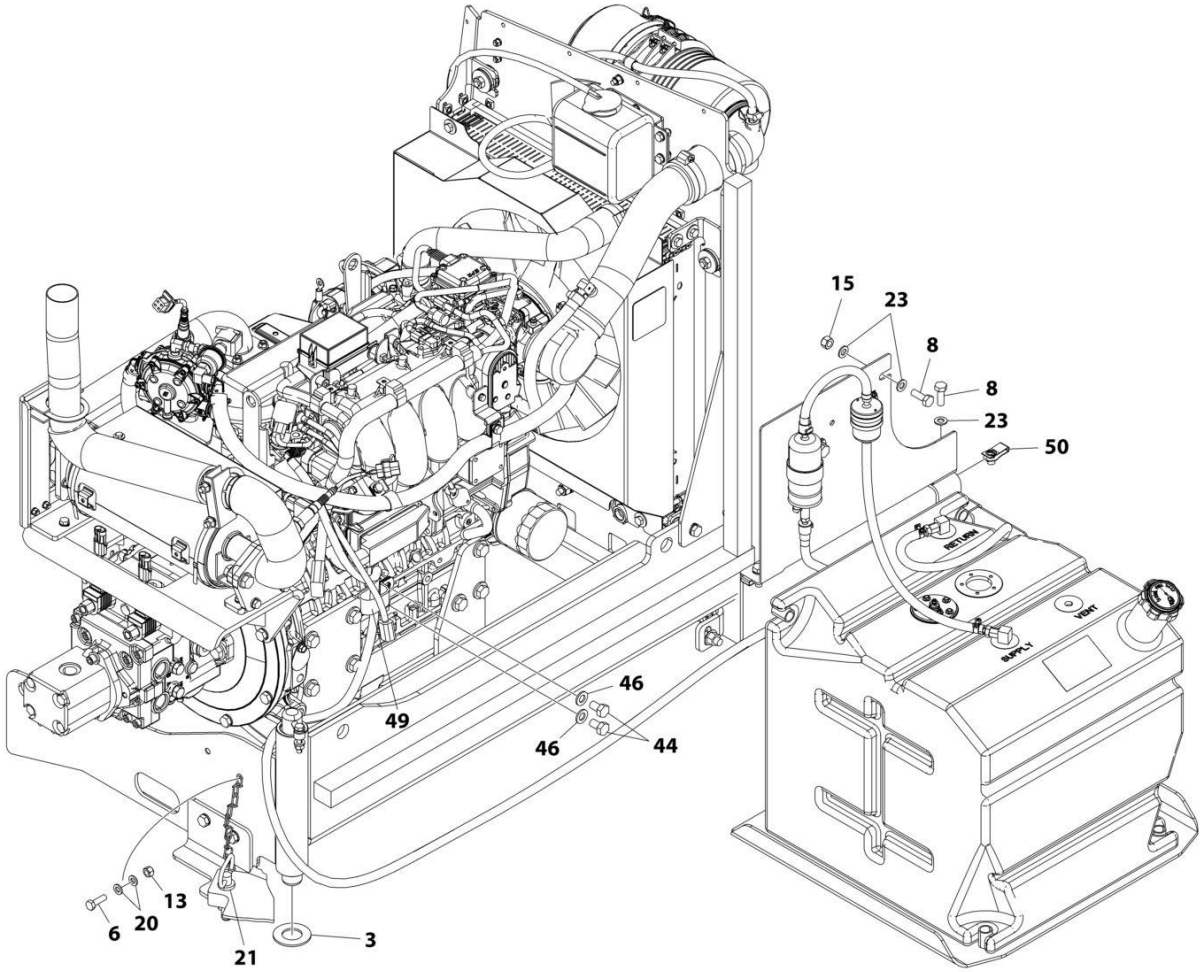


FIGURE 3-29. QUICKFIT OIL DRAIN INSTALLATION (KUBOTA 2.5L DF)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001295060	Ref	QUICKFIT OIL DRAIN INSTALLATION (KUBOTA)	B
1	1001295061	1	Valve, Quickfit (Kubota 2.5L DF) (Not Shown)	
101	1001281298	1	Valve, Small Quickfit	
102	1001281301	1	Fitting, 90	
103	1001281310	1	Fitting, Nipple Filter Ring	
104	1001281311	1	O-Ring	
105	1001281359	1	Valve, Check Valve	
106	1001281360	1	Decal - Quickfit	
107	1001281380	1	Filter	
108	1001281302	1	Fitting, Quickfit	
109	1001281656	AR	Tie-Strap (Not Shown)	
110	1001290385	AR	Cable Mount (Not Shown)	
111	1001295062	1	Bracket	
112	1001295063	1	Hose	
113	1001295064	1	Hose	
114	1001295067	2	Washer M14	
115	1001295068	2	Bolt M14 x 35	
116	1001297092	1	Bolt M22 x 1.5	
117	1001297093	2	Washer	
118	1001297094	1	Clamp	

FIGURE 3-30. ENGINE INSTALLATION - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)





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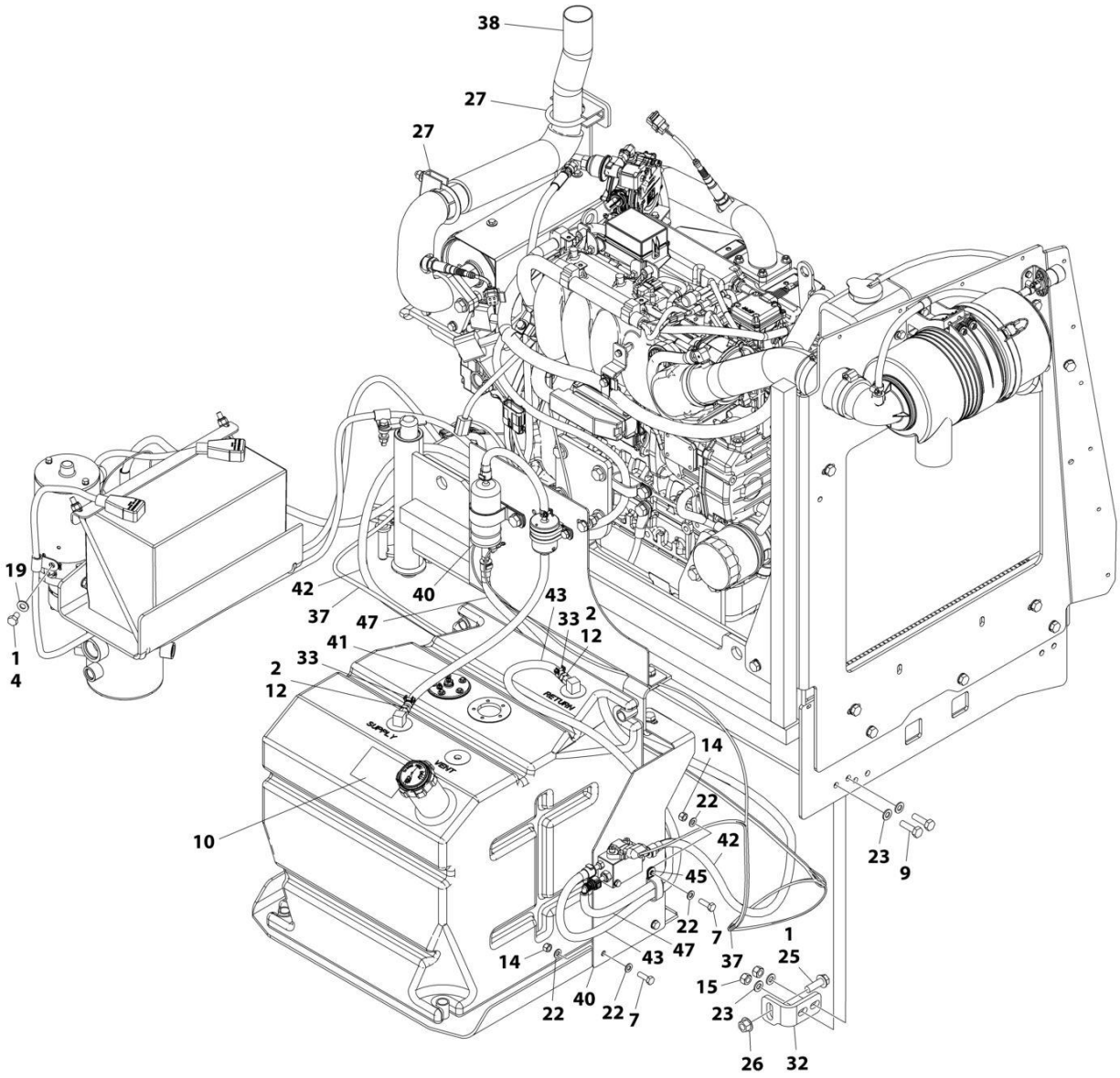


ART_1001236250_3OF3

FIGURE 3-30. ENGINE INSTALLATION - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236250	Ref	ENGINE INSTALLATION - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0440162	1	Bearing	
4	0641504	1	Bolt 5/16 x 1/2	
5	0700817	1	Bolt M8 x 45	
6	0760610	1	Bolt M6 x 20	
7	0760812	3	Bolt M8 x 25	
8	0761014	4	Bolt M10 x 30	
9	0761015	4	Bolt M10 x 35	
10	1701542	2	Decal - Gas	
11	1701543	1	Decal - LPG (Not Shown)	
12	2180348	2	Fitting, Barbed	
13	3290605	1	Nut M6	
14	3290805	4	Nut M8	
15	3291005	5	Nut M10	
16	3790012	1	O-Ring	
17	3841143	1	Keeper, Pin	
18	4240099	AR	Tie-Strap (Not Shown)	
19	4711500	1	Washer 5/16	
20	4811700	2	Washer M6	
21	3422532	1	Pin	
22	4811900	6	Washer M8	
23	4812000	13	Washer M10	
24	5240800	2	Washer M8	
25	5251215	1	Bolt M12 x 35	
26	5261200	1	Nut M12 (Grade 10.9)	
27	1001217785	2	Clamp, Muffler	
28	1001135196	1	Pin	
29	1001155044	2	Nut 15/32	
31	1001161710	1	Switch, Toggle	
32	1001167512	1	Bracket, Engine Tray Stow	
33	1001174486	2	Clamp	
34	1001236254	1	Engine and Pump Sub-Assembly - Kubota Engine (Without Arctic Package) (See Separate Breakdown in this Section)	
35	1001212257	1	Cable, Kubota Alternator	
36	1001213062	1	Cable, Battery Cable Kit	
37	1001213599	1	Harness Engine - Kubota Engine (See Separate Breakdown in ELECTRICAL SECTION)	
38	1001214502	1	Pipe, Tail Pipe	
39	1001215259	1	Plate, Engine Lock	
40	1001215801	1	Mount, Fuel System	
41	1001156819	20 in/ 53cm	Hose	
42	1001216396	1	Hose	
43	1001216397	1	Hose	
44	1001217494	2	Bolt M12 x 20	
45	1321283	1	Clamp	
46	4812100	2	Washer M12	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001216399	1	Hose	
49	1001195039	1	Clamp	
50	1001118972	3	Nut M10	
51	4812200	1	Washer M14	
52	24431386	1	Support Clamp 15/16	
53	1001217345	1	Bolt M14 x 30	
54	1001229798	1	Harness - Kubota Dual Fuel Power (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
55	4460466	8	Terminal, Sealing Plug (Not Shown)	
56	4460930	1	Plug, Male - 8 Position (Deutsch) (Not Shown)	

FIGURE 3-31. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)

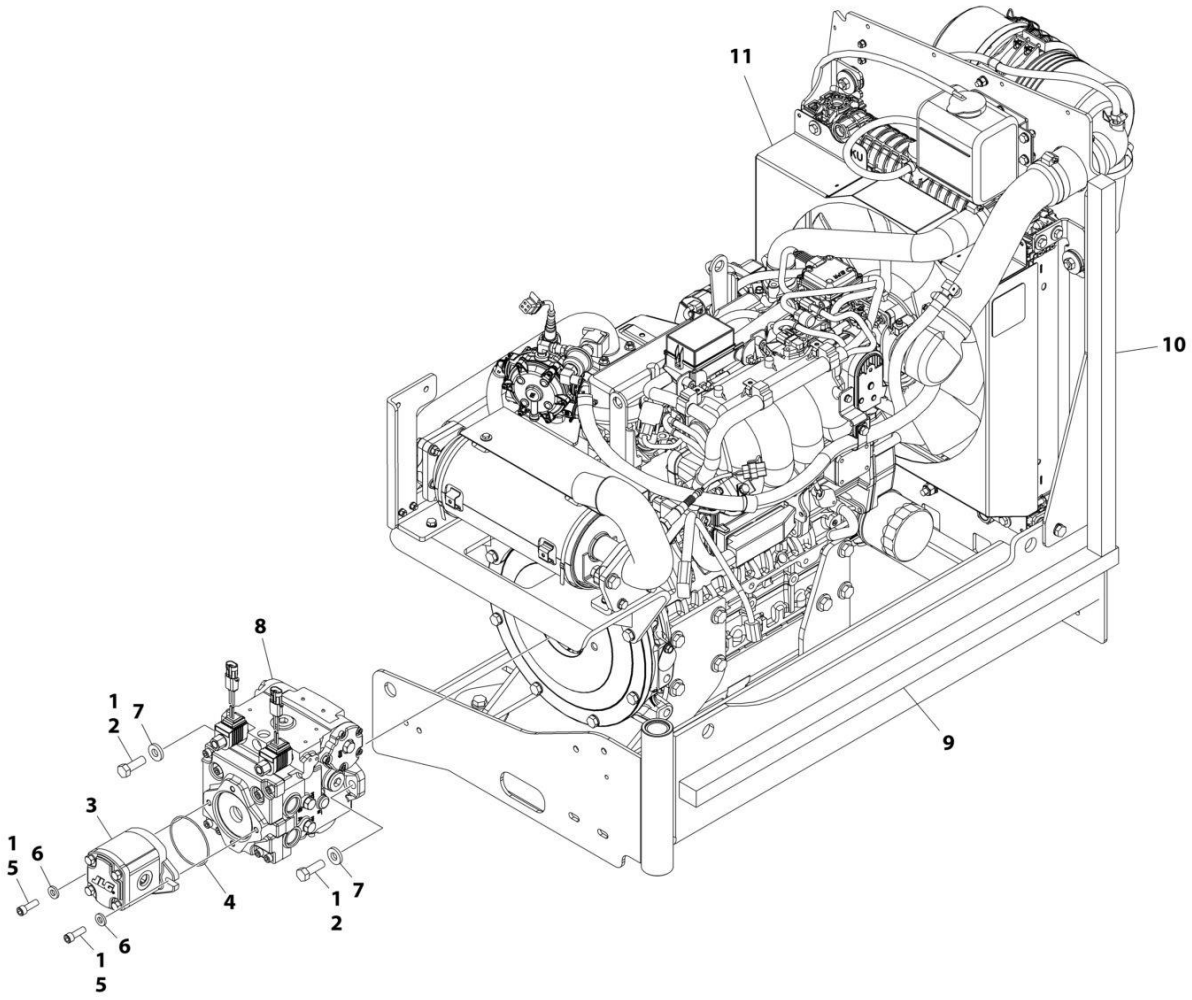
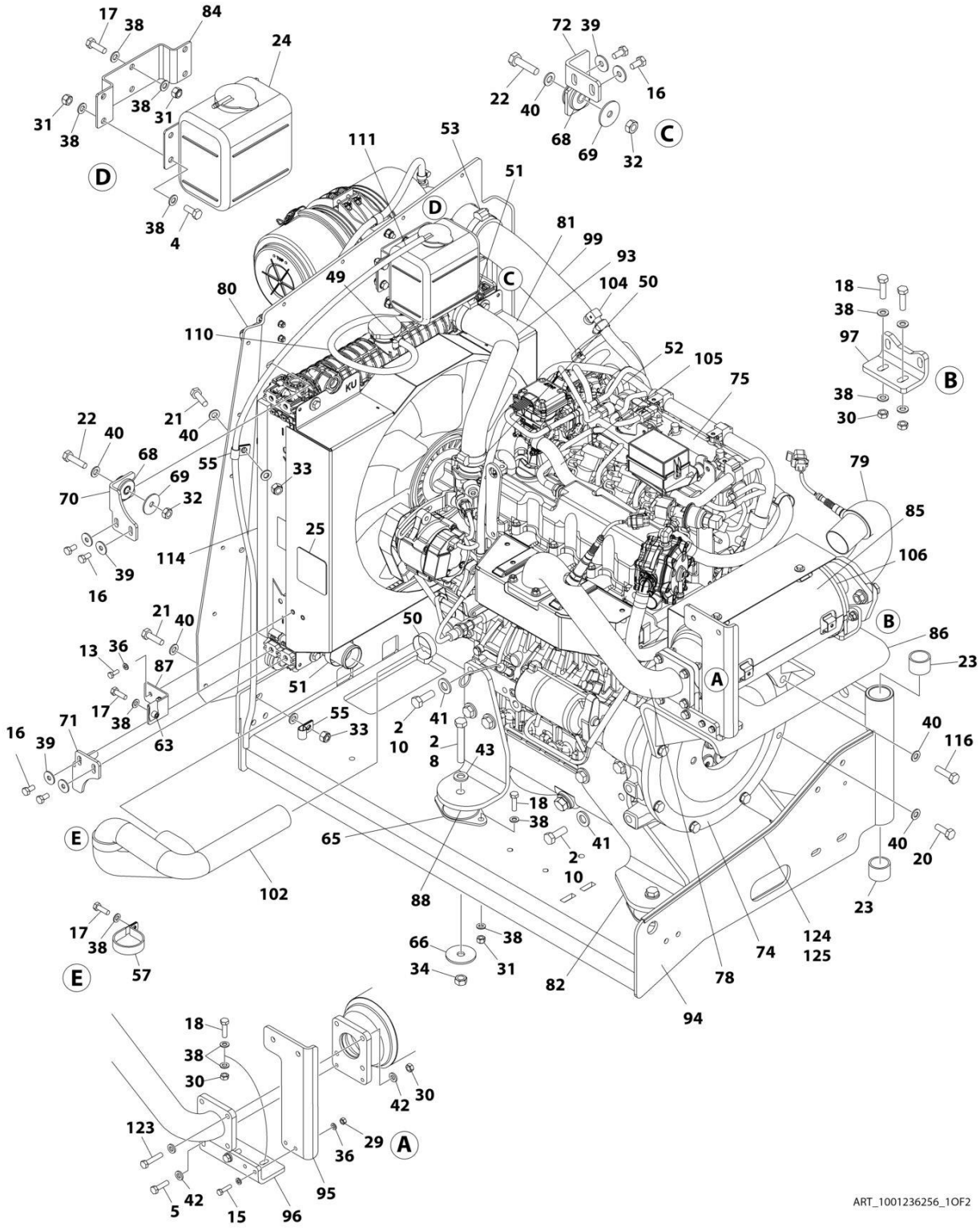


FIGURE 3-31. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236254	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)	A
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	1001214207	1	Pump, Gear	
3	70006356	1	Seal Kit - 1001214207 Pump	
4	3790152	1	O-Ring	
5	3931618	2	Bolt 3/8 x 1-1/8	
6	4891600	2	Washer 3/8	
7	4891800	2	Washer 1/2	
8	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
9	1001171953	1	Seal, Gasket	
10	1001171954	1	Seal, Gasket	
11	1001236256	1	Engine Assembly - Kubota Engine (Without Arctic Package) (See Separate Breakdown in this Section)	

FIGURE 3-32. ENGINE ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)



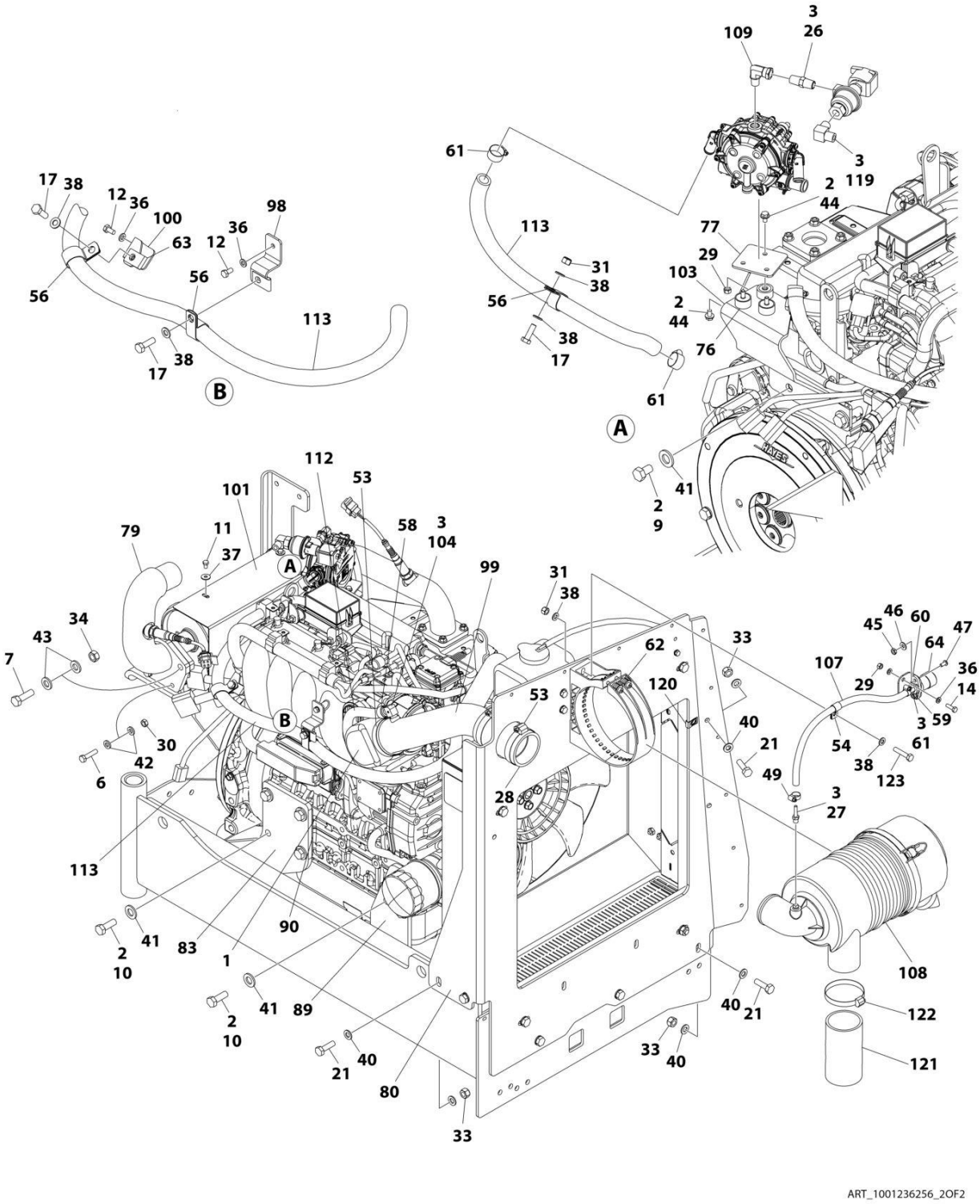

ART_1001236256_2OF2

FIGURE 3-32. ENGINE ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)

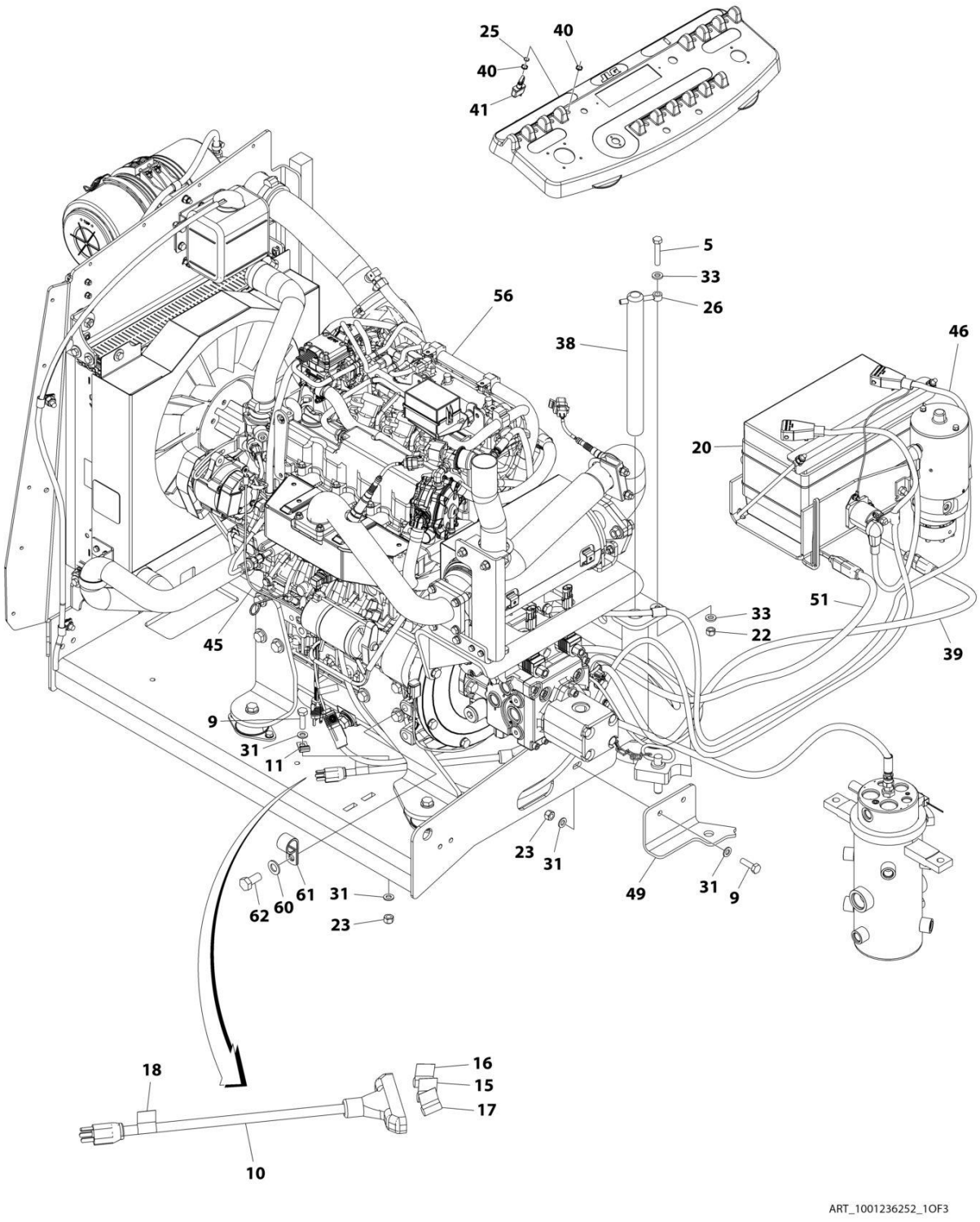
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236256	Ref	ENGINE ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE)	E
1	0080201	1	Adapter, 90	
2	0100011	AR	Compound, Locking	
3	0100020	AR	Sealant, Pipe	
4	0700810	4	Bolt M8 x 20	
5	0700814	2	Bolt M8 x 30	
6	0700815	2	Bolt M8 x 35	
7	0701216	2	Bolt M12 x 40	
8	0701224	4	Bolt M12 x 80	
9	1001217494	2	Bolt M12 x 20	
10	1001217343	14	Bolt M12 x 35	
11	0760605	4	Bolt M6 x 10	
12	0760606	2	Bolt M6 x 12	
13	0760608	2	Bolt M6 x 16	
14	0760610	2	Bolt M6 x 20	
15	0760612	2	Bolt M6 x 25	
16	0760808	8	Bolt M8 x 16	
17	0760812	6	Bolt M8 x 25	
18	0760814	12	Bolt M8 x 30	
19	0760815	1	Bolt M8 x 35	
20	0761014	4	Bolt M10 x 30	
21	0761015	6	Bolt M10 x 35	
22	0761016	4	Bolt M10 x 40	
23	0961951	2	Bushing	
24	1580011	1	Container, Coolant Overflow	
25	1703162	2	Decal - Caution Fan	
26	2220261	1	Fitting, Nipple NPTF/NPTF	
27	2220315	1	Fitting, Barbed	
28	2720644	1	Hose	
29	3290607	5	Nut M6	
30	3290801	10	Nut M8	
31	3290805	17	Nut M8	
32	3291001	4	Nut M10	
33	3291005	6	Nut M10	
34	3291201	6	Nut M12	
35	4240099	AR	Tie-Strap (Not Shown)	
36	4811700	12	Washer M6	
37	4811702	4	Washer M6	
38	4811900	45	Washer M8	
39	4811902	8	Washer M8	
40	4812000	24	Washer M10	
41	5241400	16	Washer M14	
42	5240800	14	Washer M8	
43	5241200	8	Washer M12	
44	5250605	3	Bolt M6 x 10	
45	8305401	2	Nut 1/4	
46	8307109	2	Washer 1/4	
47	8310548	2	Screw 1/4 NC x 1/2	
48	1001173535	2	Clamp	

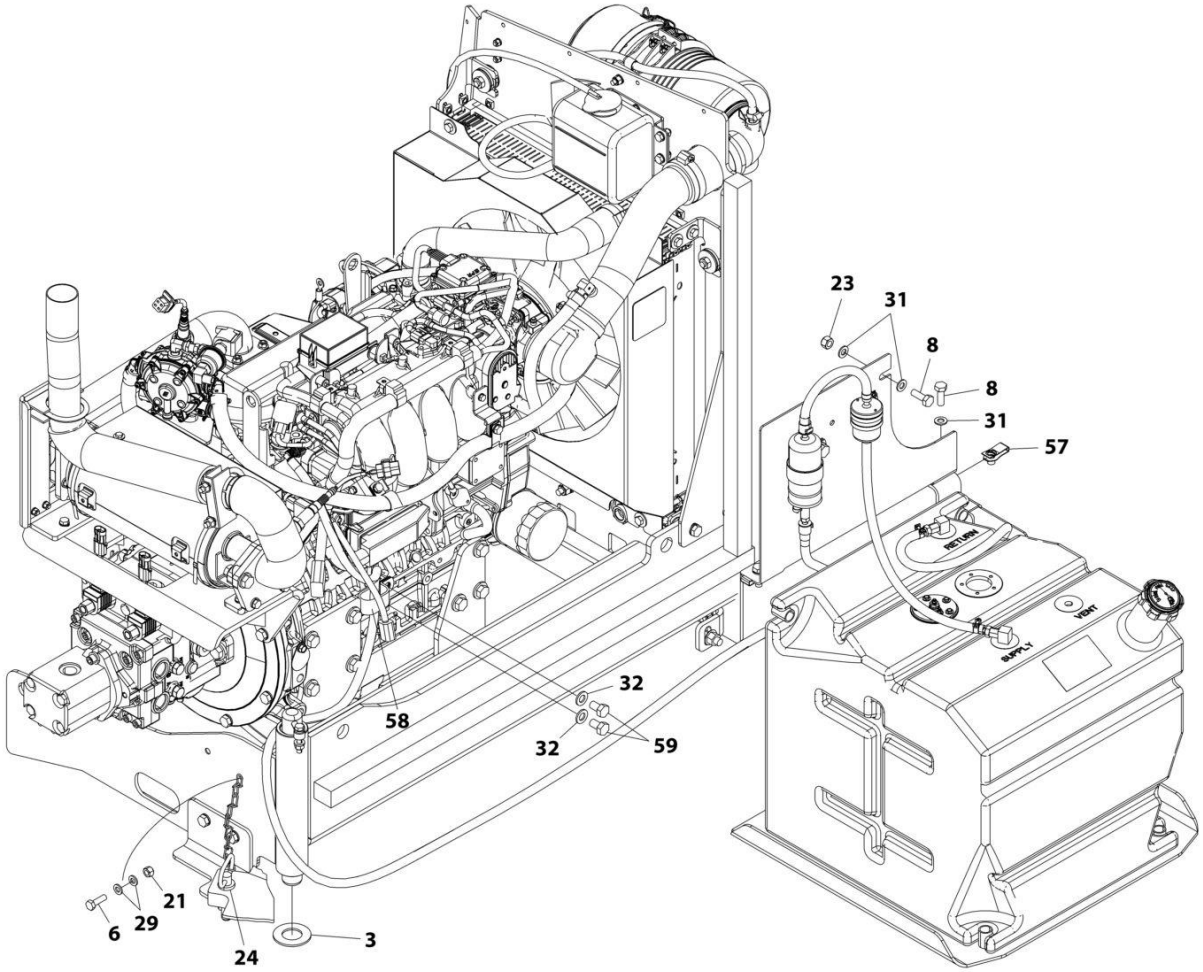
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	8405009	4	Clamp	
50	8405102	2	Clamp	
51	8405104	2	Clamp	
52	8405202	1	Clamp	
53	8405203	3	Clamp	
54	8406109	1	Clip	
55	8406110	2	Clip	
56	8406201	3	Clip	
57	8410001	1	Clamp	
58	8410009	6	Clamp	
59	1001138173	1	Support, Service Indicator	
60	1001138175	1	Bracket, Service Indicator	
61	1001141995	1	Fitting, Barbed	
62	1001147812	1	Clamp, Air Cleaner	
63	1001149160	3	Nut M8	
64	1001149639	1	Indicator, Air Intake	
65	1001166718	4	Isolator, Engine Mount	
66	1001168018	4	Washer, Snubbing	
67	1001168166	2	Seal	
68	1001169054	4	Isolator, Radiator	
69	1001169138	4	Washer, Snubbing	
70	1001169967	2	Bracket	
71	1001170035	1	Bracket	
72	1001176330	1	Bracket	
73	1001180620	AR	Adhesive	
74	1001209844	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
75	1001236393	1	Engine, Kubota (See Separate Breakdown in this Section)	
76	1001211794	3	Mount	
77	1001211797	1	Mount	
78	1001212989	1	Pipe, Exhaust (Inlet)	
79	1001212993	1	Pipe Exhaust (Outlet)	
80	1001213305	1	Plate, Mounting	
81	1001236257	1	Radiator	
82	1001213425	1	Plate, Engine Mount (Left Rear)	
83	1001213426	1	Plate, Engine Mount (Right Rear)	
84	1001213482	1	Bracket	
85	1001213824	1	Insulation	
86	1001214138	1	Bracket	
87	1001214205	1	Support	
88	1001214233	1	Plate (Front Left)	
89	1001214234	1	Plate (Front Right)	
90	1001214276	1	Shim	
91	1001214277	1	Shim	
92	1001214278	2	Shim	
93	1001214307	1	Hose	
94	1001214508	1	Support	
95	1001214553	1	Support	
96	1001214555	1	Bracket	
97	1001214556	1	Bracket	
98	1001214558	1	Bracket	
99	1001214598	1	Tube	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
100	1001214599	1	Bracket	
101	1001214664	1	Cover	
102	1001214694	1	Hose	
103	1001214841	1	Bracket	
104	1001215125	1	Fitting, 90	
105	1001215869	1	Hose	
106	1001137336	2	Strap	
107	1001138248	2 ft/ 0.61m	Tube	
108	1001147813	1	Air Cleaner Assembly Including Filter Element	
108	70004020	1	Element, Air Filter	
109	1001247359	1	Fitting, 90	
110	2720058	1.75 ft/ 0.53m	Hose	
111	2720271	4 ft/ 1.22m	Hose	
112	2720615	1.25 ft/ 0.38m	Hose	
113	82033995	5.5 ft/ 1.68m	Hose	
114	1001216825	2	Seal	
115	0700816	4	Bolt M8 x 40	
116	0701016	4	Bolt M10 x 40	
119	2180504	1	Fitting, Barbed	
120	1001118274	1	Nut, Special M8	
121	1001001939	1	Tube, Flex	
122	8410011	1	Clamp	
123	0760816	1	Bolt M8 x 40	
124	4060805	1.94 ft/ 0.59m	Flex-Trim	
125	0100081	AR	Adhesive	

FIGURE 3-33. ENGINE INSTALLATION - KUBOTA ENGINE (WITH ARCTIC PACKAGE)





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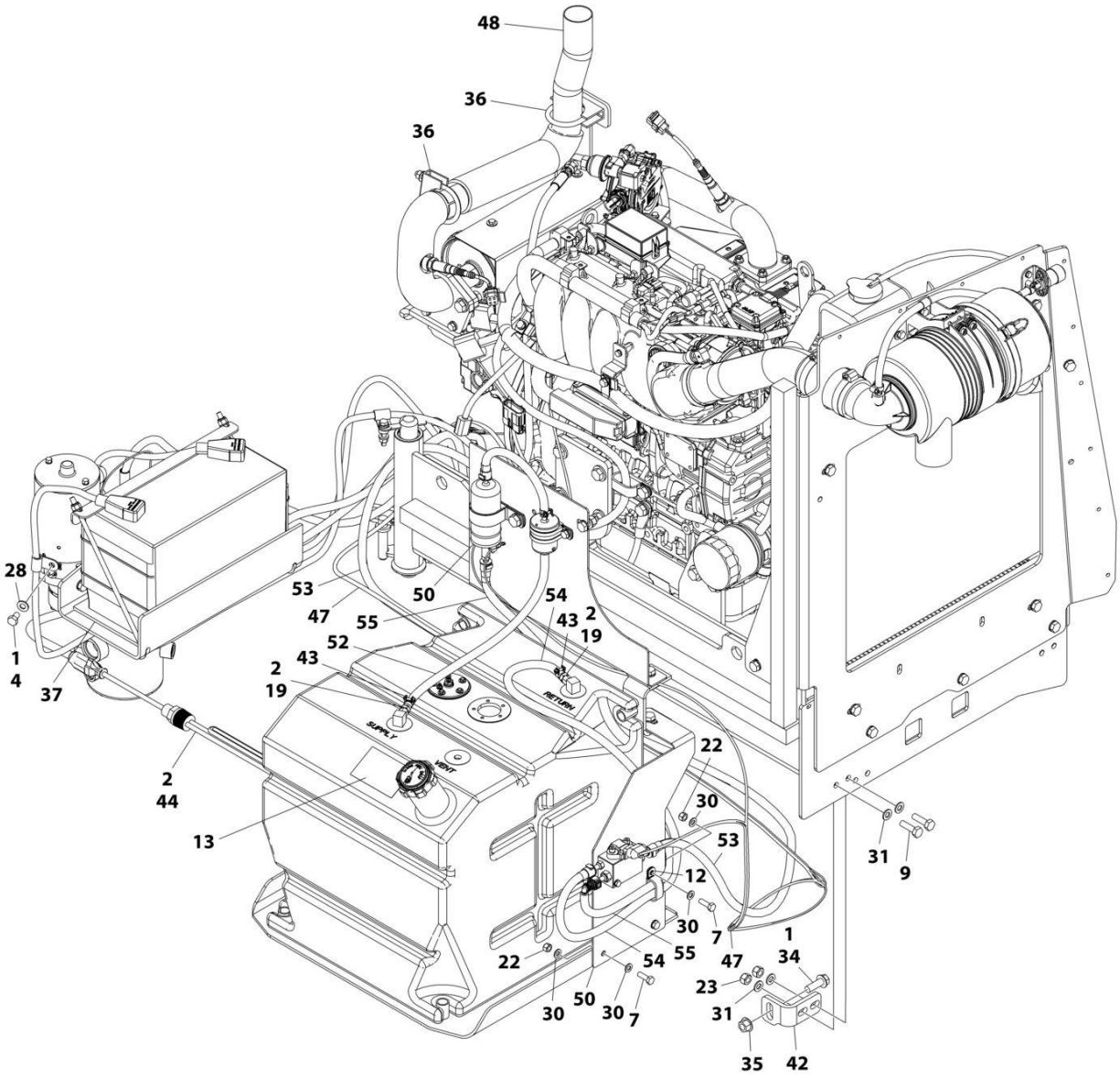
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ART_1001236252_3OF3

FIGURE 3-33. ENGINE INSTALLATION - KUBOTA ENGINE (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236252	Ref	ENGINE INSTALLATION - KUBOTA ENGINE (WITH ARCTIC PACKAGE)	B
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	0760610	1	Bolt M6 x 20	
7	0760812	3	Bolt M8 x 25	
8	0761014	4	Bolt M10 x 30	
9	0761015	5	Bolt M10 x 35	
10	1060626	1	Plug, 3 Way	
11	1320223	1	Clamp	
12	1321283	1	Clamp	
13	1701542	2	Decal - Gas	
14	1701543	1	Decal - LPG (Not Shown)	
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	2180348	2	Fitting, Barbed	
20	2580024	1	Heater, Battery	
21	3290605	1	Nut M6	
22	3290805	4	Nut M8	
23	3291005	6	Nut M10	
24	3422532	1	Pin	
25	3790012	1	O-Ring	
26	3841143	1	Keeper, Pin	
27	4240099	AR	Tie-Strap (Not Shown)	
28	4711500	1	Washer 5/16	
29	4811700	2	Washer M6	
30	4811900	6	Washer M8	
31	4812000	15	Washer M10	
32	4812100	2	Washer M12	
33	5240800	2	Washer M8	
34	5251215	1	Bolt M12 x 35	
35	5261200	1	Nut M12 Class10	
36	1001217785	2	Clamp, Muffler	
37	1001119278	1	Insulate	
38	1001135196	1	Pin	
39	1001150918	1	Cable, Extension Cord	
40	1001155044	2	Nut 15/32	
41	1001161710	1	Switch, Toggle	
42	1001167512	1	Bracket, Engine Tray Stow	
43	1001174486	2	Clamp	
44	1001188972	1	Heater, Hydraulic Tank	
45	1001212257	1	Cable, Kubota Alternator	
46	1001213062	1	Cable, Battery Cable Kit Kubota	
47	1001213599	1	Harness Engine - Kubota Engine (See Separate Breakdown in ELECTRICAL SECTION)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001214502	1	Pipe, Tail Pipe	
49	1001215259	1	Plate, Engine Lock	
50	1001215801	1	Mount, Fuel System (Kubota)	
51	1001216080	2	Cable, Extension Cord	
52	1001156819	20.9 in/ 53cm	Hose	
53	1001216396	1	Hose	
54	1001216397	1	Hose	
55	1001216399	1	Hose	
56	1001236258	1	Engine and Pump Sub-Assembly - Kubota Engine (With Arctic Package) (See Separate Breakdown in this Section)	
57	1001118972	3	Nut M10	
58	1001195039	1	Clamp	
59	1001217494	2	Capscrew M12	
60	4812200	1	Washer M14	
61	24431386	1	Support, Clamp	
62	1001217345	1	Bolt M14 x 30	
63	1001229798	1	Harness - Kubota B6 D/F Power (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
64	4460466	8	Terminal, Sealing Plug (Not Shown)	
65	4460930	1	Plug, Male - 8 Position (Deutsch) (Not Shown)	

FIGURE 3-34. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE)

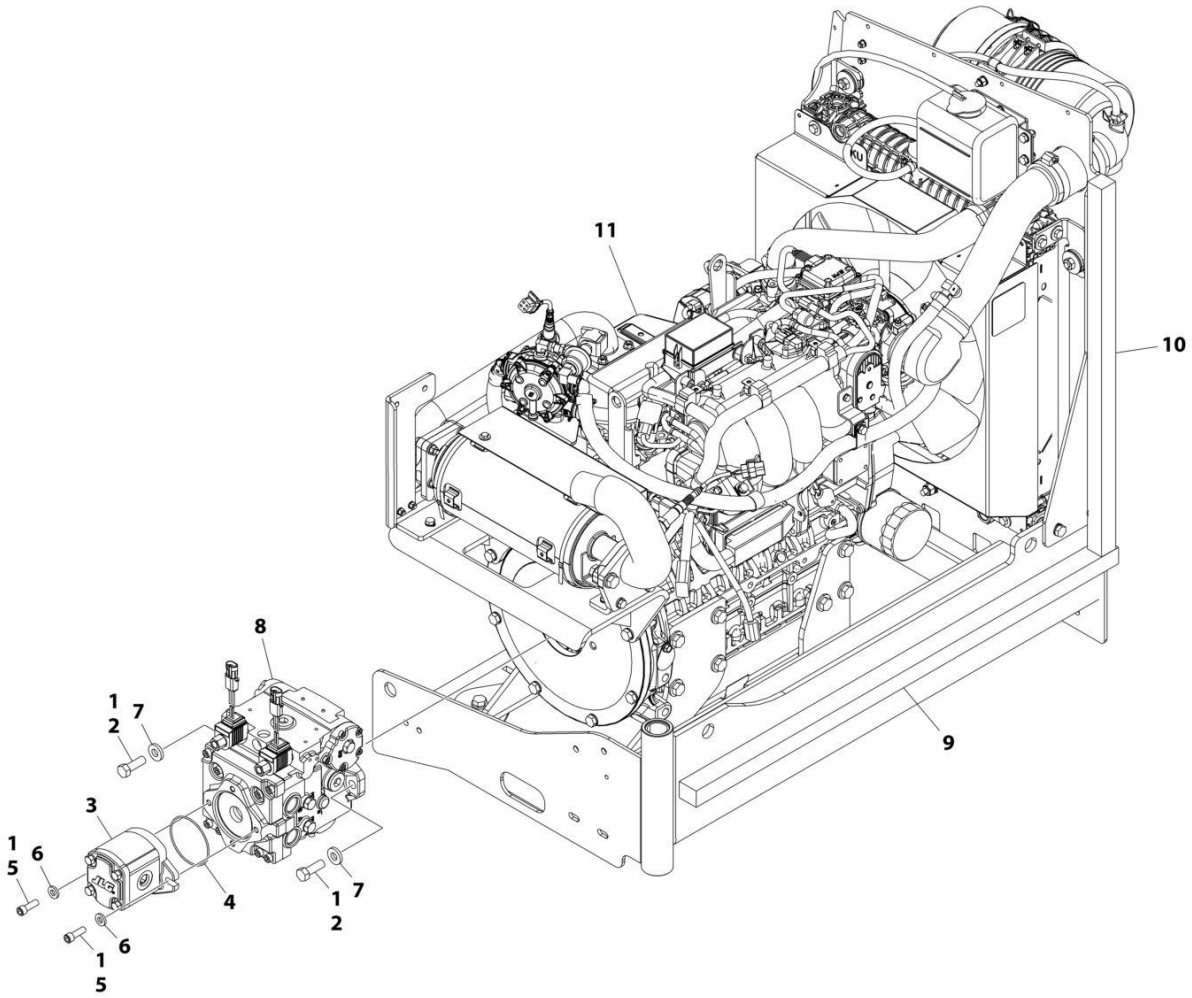
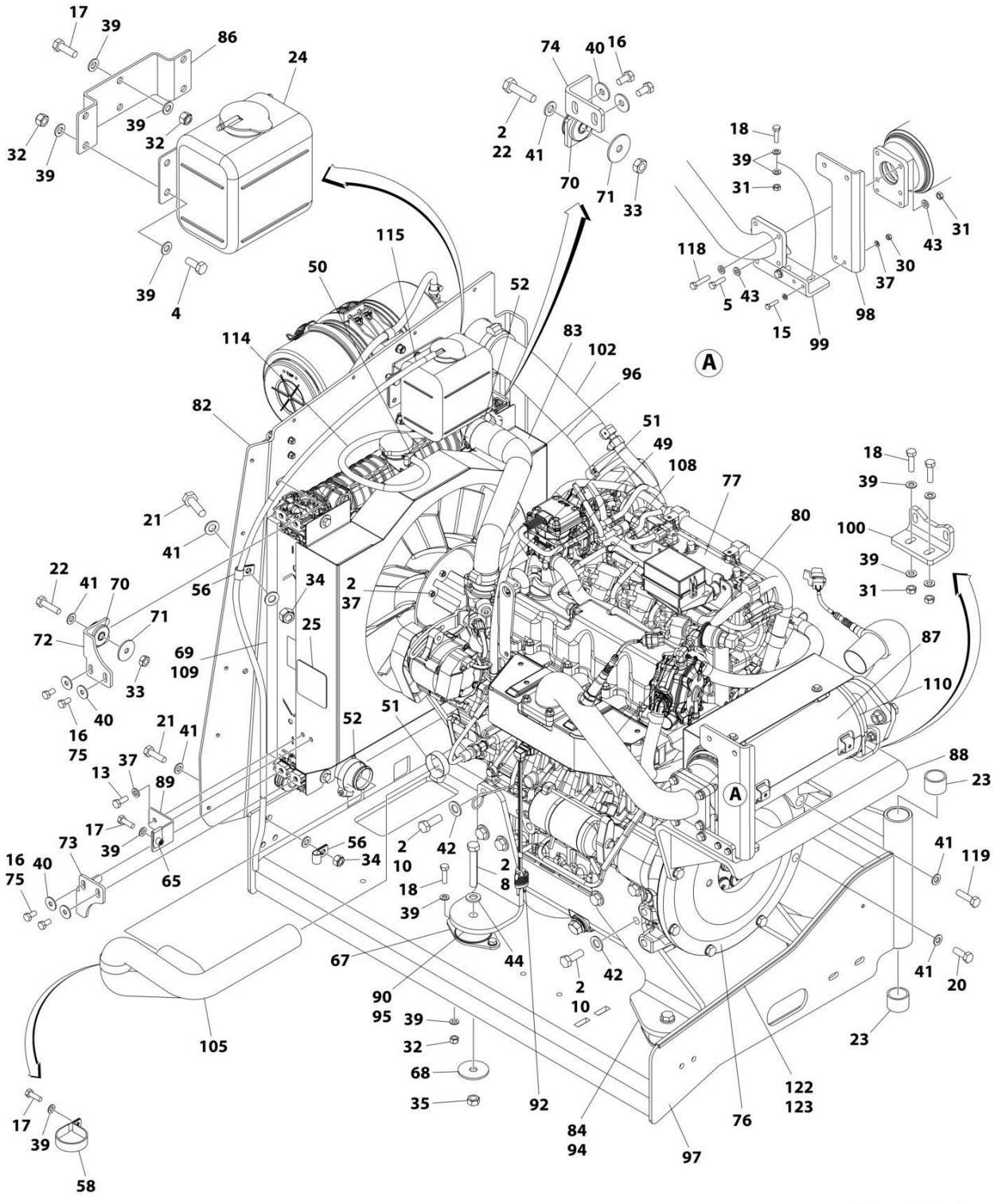
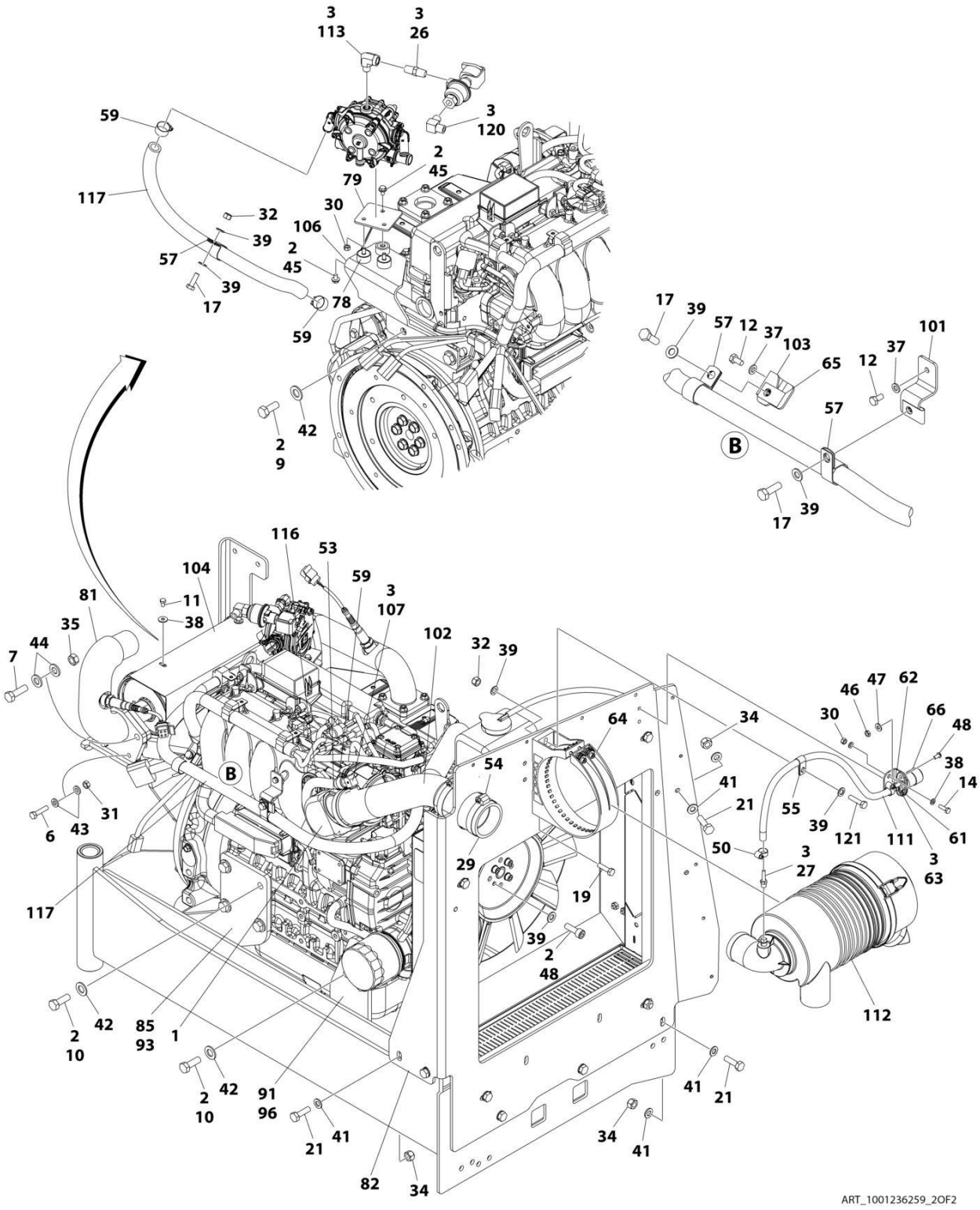


FIGURE 3-34. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236258	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE)	A
1	0100011	AR	Compound, Locking	
2	0641812	2	Bolt 1/2 x 1-1/2	
3	1001214207	1	Gear Pump Assembly	
3	70006356	1	Seal Kit - 1001214207 Pump	
4	3790152	1	O-Ring	
5	3931618	2	Capscrew 3/8 x 1-1/8	
6	4891600	2	Washer 3/8	
7	4891800	2	Washer 1/2	
8	1001167036	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
9	1001171953	1	Seal	
10	1001171954	1	Seal	
11	1001236259	1	Engine Assembly - Kubota Engine (With Arctic Package) (See Separate Breakdown in this Section)	

FIGURE 3-35. ENGINE ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE)

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ART_1001236259_2OF2

FIGURE 3-35. ENGINE ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236259	Ref	ENGINE ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE)	E
1	0080201	1	Adapter, 90	
2	0100011	AR	Compound, Locking	
3	0100020	AR	Sealant, Pipe	
4	0700810	4	Bolt M8 x 20	
5	0700814	2	Bolt M8 x 30	
6	0700815	2	Bolt M8 x 35	
7	0701216	2	Bolt M12 x 40	
8	0701224	4	Bolt M12 x 80	
9	1001217494	2	Bolt M12 x 20	
10	1001217343	14	Bolt M12 x 35	
11	0760605	4	Bolt M6 x 10	
12	0760606	2	Bolt M6 x 12	
13	0760608	2	Bolt M6 x 16	
14	0760610	2	Bolt M6 x 20	
15	0760612	2	Bolt M6 x 25	
16	0760808	8	Bolt M8 x 16	
17	0760812	6	Bolt M8 x 25	
18	0760814	12	Bolt M8 x 30	
19	0760815	1	Bolt M8 x 35	
20	0761014	4	Bolt M10 x 30	
21	0761015	6	Bolt M10 x 35	
22	0761016	4	Bolt M10 x 40	
23	0961951	2	Bushing	
24	1580011	1	Container, Coolant Overflow	
25	1703162	2	Decal - Caution Fan	
26	2220261	1	Fitting, Nipple NPTF/NPTF	
27	2220315	1	Fitting, Barbed	
29	2720644	1	Hose	
30	3290607	5	Nut M6	
31	3290801	10	Nut M8	
32	3290805	17	Nut M8	
33	3291001	4	Nut M10	
34	3291005	6	Nut M10	
35	3291201	6	Nut M12	
36	4240099	AR	Tie-Strap (Not Shown)	
37	4811700	16	Washer M6	
38	4811702	4	Washer M6	
39	4811900	45	Washer M8	
40	4811902	8	Washer M8	
41	4812000	24	Washer M10	
42	5241400	16	Washer M14	
43	5240800	14	Washer M8	
44	5241200	8	Washer M12	
45	5250605	3	Bolt M6 x 10	
46	8305401	2	Nut 1/4	
47	8307109	2	Washer 1/4	
48	8310548	2	Screw 1/4 x 1/2	
49	1001173535	2	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	8405009	4	Clamp	
51	8405102	2	Clamp	
52	8405104	2	Clamp	
53	8405202	1	Clamp	
54	8405203	3	Clamp	
55	8406109	1	Clip	
56	8406110	2	Clip	
57	8406201	3	Clip	
58	8410001	1	Clamp	
59	8410009	6	Clamp	
61	1001138173	1	Support, Service Indicator	
62	1001138175	1	Bracket, Service Indicator	
63	1001141995	1	Fitting, Barbed	
64	1001147812	1	Clamp, Air Cleaner	
65	1001149160	3	Nut M8	
66	1001149639	1	Indicator, Air Intake	
67	1001166718	4	Isolator, Engine Mount	
68	1001168018	4	Washer, Snubbing	
69	1001168166	2	Seal	
70	1001169054	4	Isolator, Radiator	
71	1001169138	4	Washer, Snubbing	
72	1001169967	2	Bracket	
73	1001170035	1	Bracket	
74	1001176330	1	Bracket	
75	1001180620	AR	Adhesive	
76	1001209844	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
77	1001236393	1	Engine, Kubota (See Separate Breakdown in this Section)	
78	1001211794	3	Mount	
79	1001211797	1	Mount	
80	1001212989	1	Pipe, Exhaust (Inlet)	
81	1001212993	1	Pipe, Exhaust (Outlet)	
82	1001213305	1	Plate, Mounting	
83	1001236257	1	Radiator	
84	1001213425	1	Plate, Engine Mount (Left Rear)	
85	1001213426	1	Plate, Engine Mount (Right Rear)	
86	1001213482	1	Bracket	
87	1001213824	1	Insulation	
88	1001214138	1	Bracket	
89	1001214205	1	Support	
90	1001214233	1	Plate (Front Left)	
91	1001214234	1	Plate (Front Right)	
92	1001214269	1	Heater, Block	
93	1001214276	1	Shim	
94	1001214277	1	Shim	
95	1001214278	2	Shim	
96	1001214307	1	Hose	
97	1001214508	1	Support	
98	1001214553	1	Support	
99	1001214555	1	Bracket	
100	1001214556	1	Bracket	
101	1001214558	1	Bracket	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	1001214598	1	Tube	
103	1001214599	1	Bracket	
104	1001214664	1	Cover	
105	1001214694	1	Hose	
106	1001214841	1	Bracket	
107	1001215125	1	Fitting, 90	
108	1001215869	1	Hose	
109	1001216825	2	Seal	
110	1001137336	2	Strap	
111	1001138248	2 ft/ 0.6m	Tube	
112	1001147813	1	Air Cleaner Assembly Including Filter Element	
112	70004020	1	Element, Filter (Not Shown)	
113	1001247359	1	Fitting, Street Elbow	
114	2720058	1.8 ft/ 0.5m	Hose	
115	2720271	4 ft/ 1.2m	Hose	
116	2720615	1.2 ft/ 0.4m	Hose	
117	82033995	5.5 ft/ 1.7m	Hose	
118	0700816	4	Bolt M8 x 40	
119	0701016	4	Bolt M10 x 40	
120	2180504	1	Fitting, Barbed	
121	0760816	1	Bolt M8 x 40	
122	4060805	1.94 ft/ 59m	Flex-Trim	
123	0100081	AR	Adhesive	

FIGURE 3-36. ENGINE COMPONENTS - KUBOTA

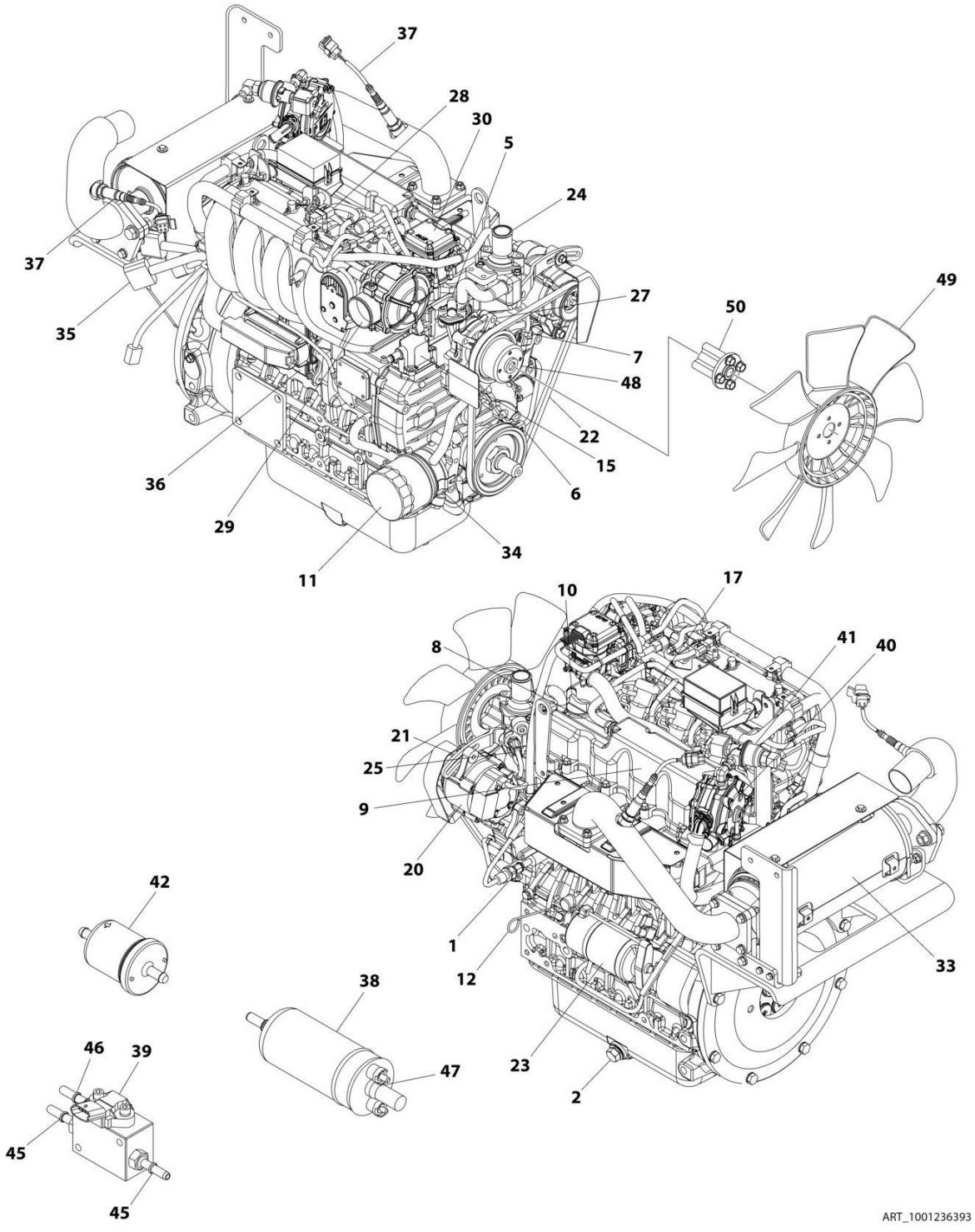


FIGURE 3-36. ENGINE COMPONENTS - KUBOTA

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236393	Ref	ENGINE COMPONENTS - KUBOTA	D
1	70005745	1	Switch, Oil	
1	70006013	1	Adapter	
2	7023154	1	Plug, Drain	
2	7017904	1	Gasket, Oil Pan Drain	
3	70006014	1	Gasket, Cylinder Head (Not Shown)	
4	70006015	1	Sensor (Knock) (Not Shown - Located on Left Side of Engine)	
5	70006016	1	Flange Assembly (Water Return)	
5	70002316	1	Pipe	
5	70006017	1	Gasket	
6	70005737	1	Sensor Stick Assembly	
7	70006018	1	Sensor	
8	70006019	1	Valve (PCV)	
8	70006020	1	Seal	
9	7017932	3	Element, Breather	
9	70006021	1	Gasket	
10	70002318	1	Oil Filler Cap	
10	70006022	1	O-Ring	
11	70006023	1	Filter, Oil	
12	70006024	1	Dipstick	
13	70006025	1	Pump Assembly, Oil (Not Shown - Located Under Front Cover)	
13	70006026	1	Gasket	
13	70006027	1	Key	
14	70006028	1	Flywheel (Not Shown - Located Behind Coupling Plate)	
14	70006029	1	Ring Gear (Part of Flywheel)	
15	70006030	1	Flange Assembly (Breather)	
15	70002316	1	Pipe	
15	70006031	1	Gasket	
16	70006035	1	Pipe Assembly (Not Shown)	
16	70005727	1	Gasket	
17	70006034	4	Coil	
17	70006033	4	Spark Plug	
18	70006032	1	Gasket (Not Shown)	
19	70005751	4	Injector (Not Shown)	
20	70006036	1	Alternator (Includes Voltage Regulator and Gaskets, Fan and Fan Mounting Hardware)	
21	70006037	1	Bracket	
22	70006038	1	Belt	
23	70006039	1	Starter	
24	70006041	1	Thermostat	
24	70002326	1	Gasket	
25	70005726	1	Sensor	
25	70006042	1	O-Ring	
26	70006040	1	Gasket (Not Shown - Located Between Engine Head and Water Flange)	
27	70006043	1	Water Pump Assembly	
27	70004829	1	Pipe	
27	70006044	1	Gasket	
28	70005746	1	Sensor (TMAP)	
28	70005747	1	O-Ring	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
29	70006049	1	Mixer Assembly	
29	70006050	1	Seal, Rubber	
29	70006045	1	Throttle Body	
29	70006046	1	Gasket	
29	70006047	1	Adapter	
29	70006048	1	O-Ring	
30	70006051	1	Regulator Assembly	
30	70006052	1	Seal, Rubber	
30	70006053	1	Seal, Rubber	
30	70006054	1	Seal, Rubber	
31	70006055	1	Gasket (Not Shown - Located Between Intake Manifold and Engine Head)	
32	70006056	1	Gasket (Not Shown - Located Between Exhaust Manifold and Engine Head)	
33	70006057	1	Muffler	
33	70006065	1	Gasket	
33	70006066	1	Gasket	
33	70006072	1	Gasket	
34	70006058	1	Oil Cooler Assembly	
34	70006059	1	Seal	
34	7017959	2	Clamp	
35	70006060	1	Engine Harness	
36	70006061	1	Module, Engine Control	
37	70006062	2	Sensor (O2)	
38	70006063	1	Pump, Fuel	
39	70006064	1	Manifold (FPM)	
40	70006067	1	Regulator Assembly	
40	70006068	1	Connector	
40	70006069	3	Clip	
40	70006070	2	Connector	
41	70006071	1	Valve, Lockoff	
41	70006078	1	Valve, Lockoff Kit	
42	7017992	1	Filter, Fuel	
43	70006079	1	Gasket Kit (Upper) (Not Shown)	
44	70006080	1	Gasket Kit (Lower) (Not Shown)	
45	70006074	2	Joint (Includes O-Ring)	
46	70006075	1	Joint (Includes O-Ring)	
47	70006076	1	Joint (Includes O-Ring)	
47	70006077	1	Gasket	
48	70006379	1	Pulley	
49	70006639	1	Fan	
50	70006640	1	Collar, Fan	

FIGURE 3-37. PUMP COUPLING KIT - KUBOTA ENGINE

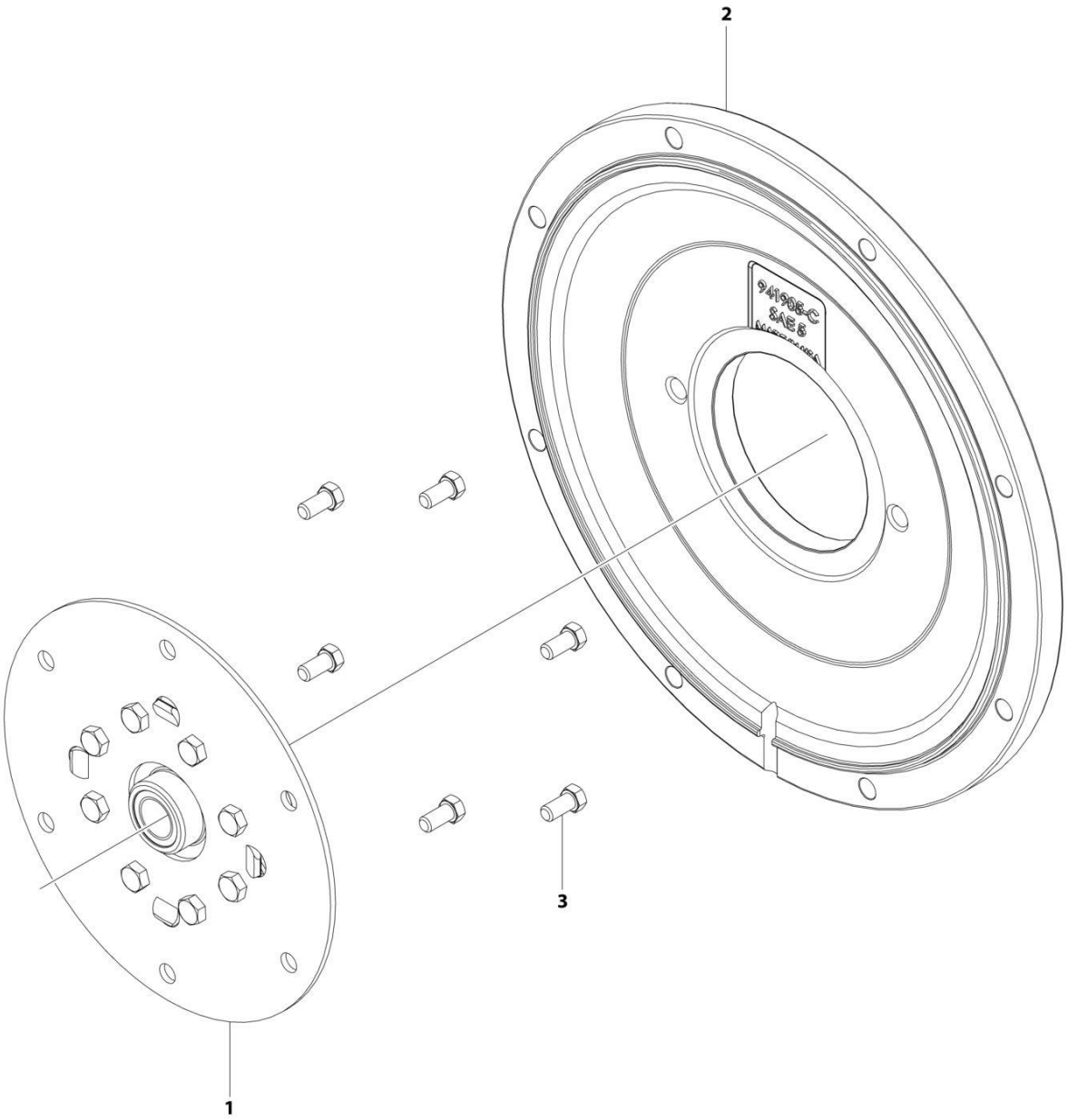


FIGURE 3-37. PUMP COUPLING KIT - KUBOTA ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209844	Ref	PUMP COUPLING KIT - KUBOTA ENGINE	C
1	70006010	1	Coupling Assembly, Hayes	
2	70006011	1	Plate, Pump Adapter	
3	70006012	1	Bolt Kit	

FIGURE 3-38. PISTON PUMP ASSEMBLY

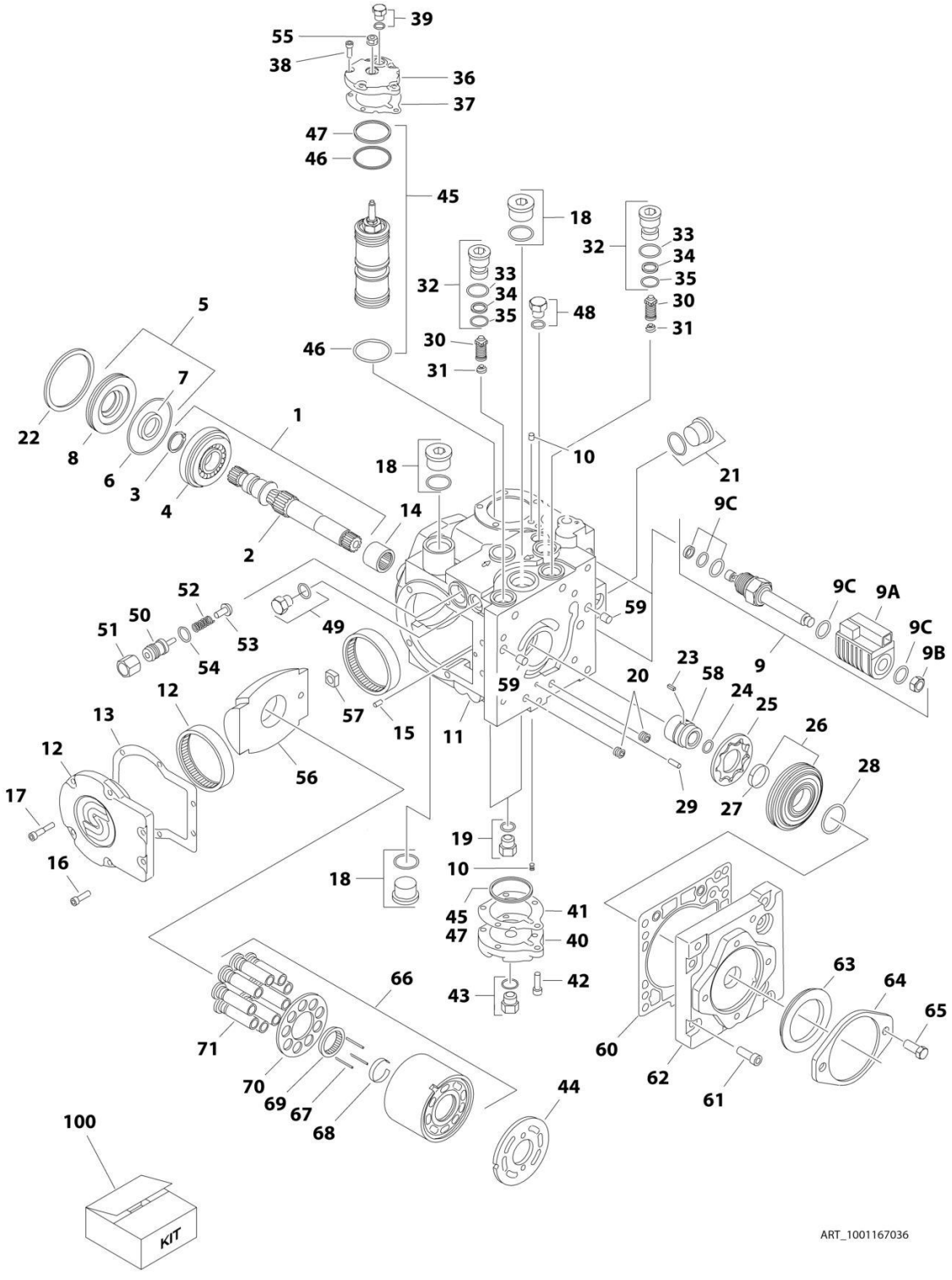
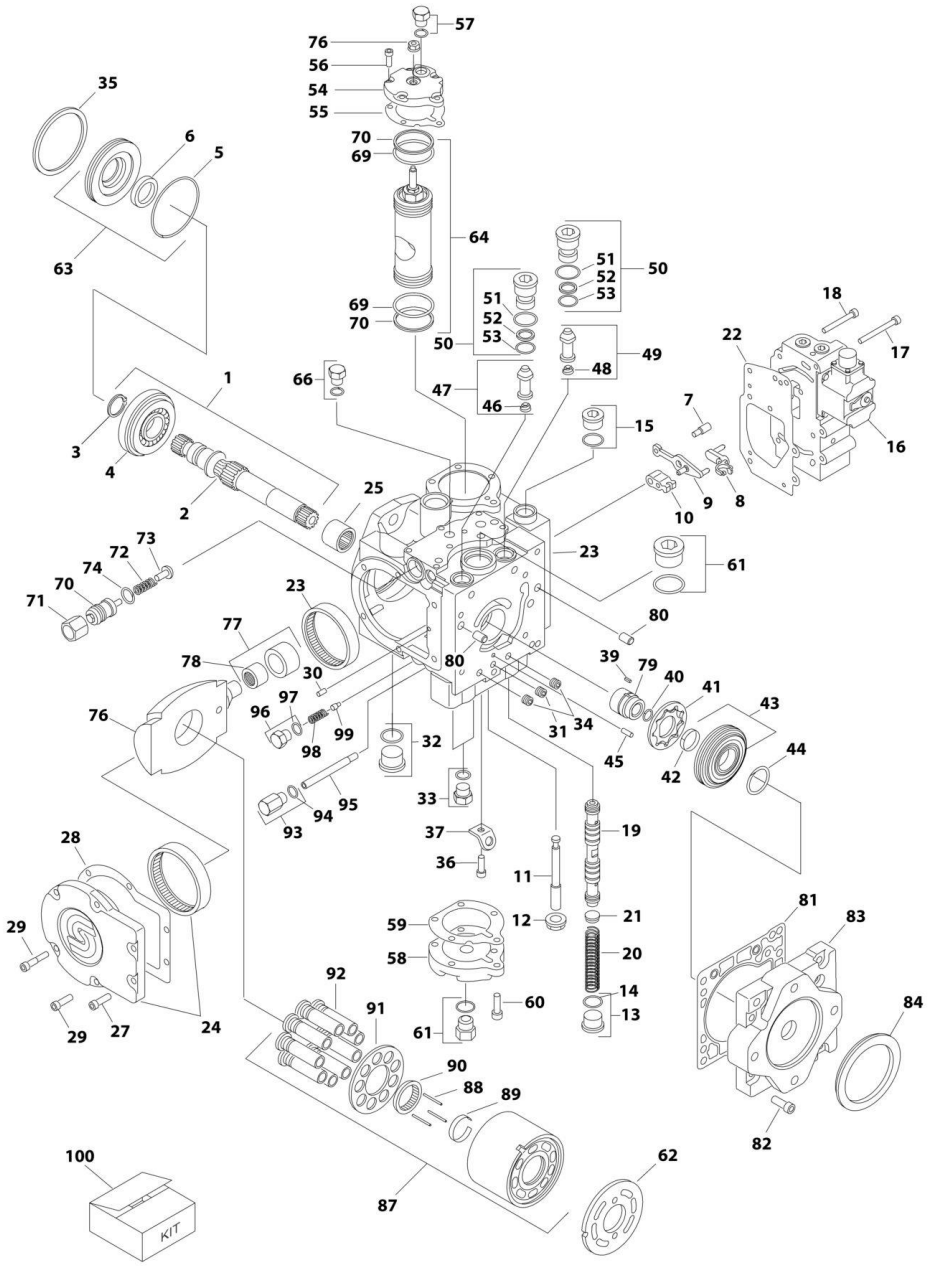


FIGURE 3-38. PISTON PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167036	Ref	PISTON PUMP ASSEMBLY	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	70004896	1	Shaft Seal Kit (Includes Items 6-8)	
6	7021241	1	O-Ring	
7	7021242	1	Seal, Lip	
8	7021243	1	Carrier, Seal Shaft	
9	7024855	2	Solenoid Assembly	
9A	70004897	2	Coil (1 Per Assembly)	
9B	7024857	2	Nut (1 Per Assembly)	
9C	7024858	2	Seal Kit - 7024855 Cartridge (1 Per Assembly)	
10	70004889	2	Orifice	
11	See Note	NSS	Housing Assembly (Note: Not Available for Purchase)	
12	7021248	1	Side Cover Assembly (Includes Item 13)	
13	70004891	1	Gasket	
14	7021249	1	Bearing, Needle	
15	See Note	NSS	Pin (Note: Not Available for Purchase)	
16	70004890	2	Screw	
17	70004892	4	Screw	
18	7007419	2	Plug Assembly (Includes O-Ring)	
19	7007420	2	Plug Assembly (Includes O-Ring)	
20	See Note	NSS	Plug (Note: Not Available for Purchase)	
21	7007419	1	Plug Assembly (Includes O-Ring)	
22	7021257	1	Ring, Retaining	
23	70004893	1	Key	
24	7022341	1	Ring, Retaining	
25	7021258	1	Gerotor	
26	70004894	1	Gerotor Cover Assembly (Includes Item 27)	
27	7021259	1	Bearing, Journal	
28	7021262	1	O-Ring	
29	See Note	NSS	Pin (Note: Not Available for Purchase)	
30	7021263	2	Bypass Valve Assembly	
31	7024800	2	Spring	
32	7021265	2	Bypass Valve Assembly (Includes Items 32-34)	
33	7007415	2	O-Ring	
34	7021293	2	Ring, Back-up	
35	7022300	2	O-Ring	
36	70004895	1	Cover, Servo	
37	7021253	1	Gasket	
38	70004892	5	Screw	
39	7007420	1	Plug Assembly (Includes O-Ring)	
40	7021268	1	Cover, Servo	
41	7021253	1	Gasket	
42	70004892	5	Screw	
43	7007420	1	Plug Assembly (Includes O-Ring)	
44	7021281	1	Plate, Valve	
45	70004898	1	Servo Piston Kit (Includes Items 46 & 47)	
46	7007495	2	O-Ring	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	7007493	2	O-Ring	
48	7007420	1	Plug Assembly (Includes O-Ring)	
49	70004900	1	Plug Assembly (Includes O-Ring)	
50	7022346	1	Adjuster	
51	7021290	1	Nut	
52	7022347	1	Spring	
53	70004901	1	Poppet	
54	7007415	1	O-Ring	
55	70004902	1	Nut, Seal	
56	70004903	1	Swash Plate	
57	70004904	1	Bearing Assembly	
58	70004905	1	Coupling	
59	7001481	2	Pin	
60	70002257	1	Gasket	
61	70004906	8	Screw	
62	70004907	1	Cover, Charge Pump	
63	70004908	1	Seal	
64	7021299	1	Plate, Cover	
65	7007289	2	Screw	
66	70004909	1	Cylinder Block Assembly (Includes Items 67-71)	
67	70004910	3	Pin, Slipper Hold Down	
68	7021276	1	Retainer, Hold Down Pin	
69	7021277	1	Guide, Slipper Retainer	
70	7021278	1	Retainer, Slipper	
71	70004911	1	Piston Assembly	
100	70004899	1	Seal Kit (Includes Items 5-8, 33-35, 37, 41, 46, 47 & 54)	

FIGURE 3-39. PISTON PUMP ASSEMBLY (REAR)



ART_1001189236

FIGURE 3-39. 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 3-40. PISTON PUMP ASSEMBLY (FRONT)

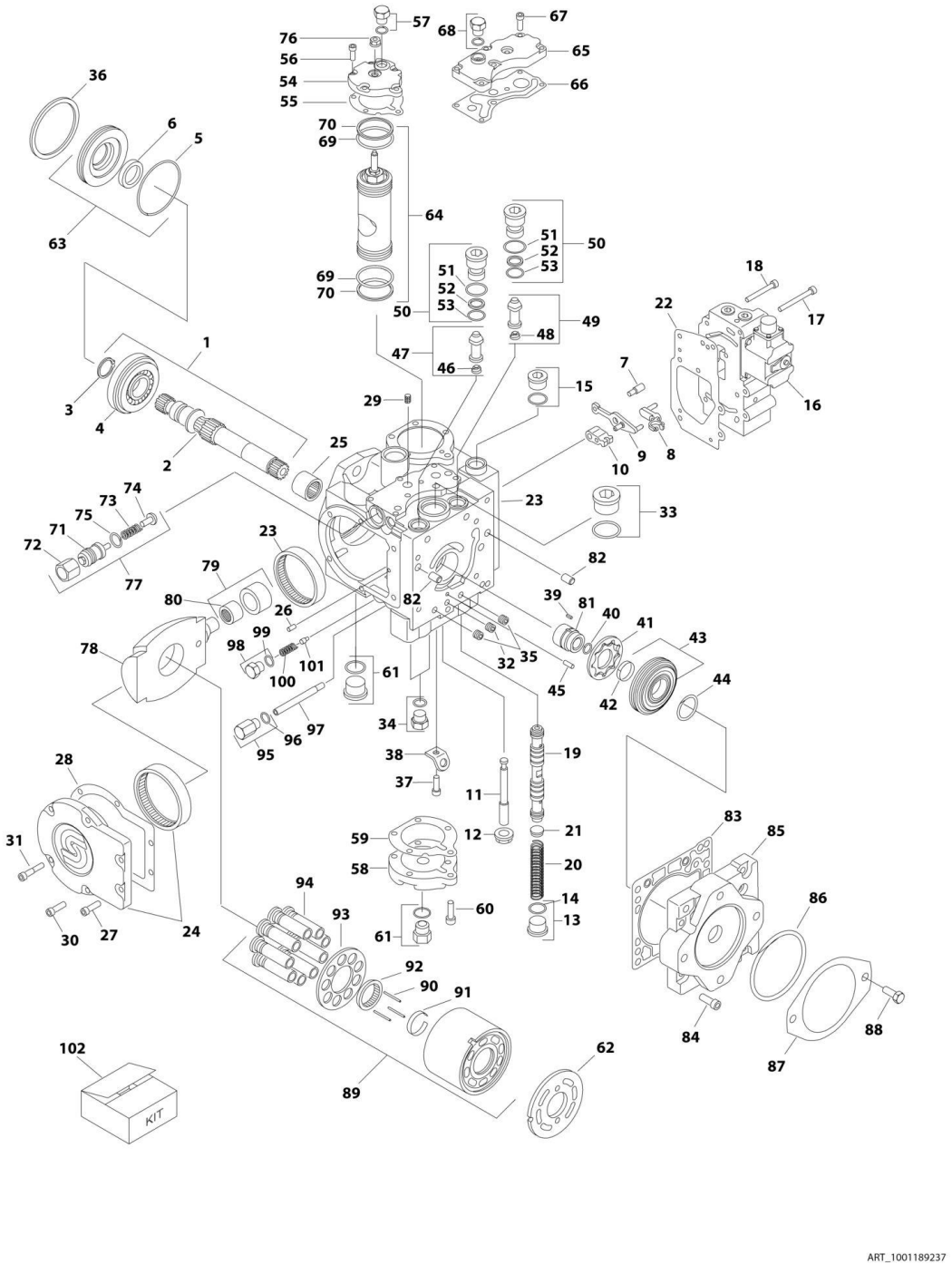


FIGURE 3-40. PISTON PUMP ASSEMBLY (FRONT)

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 3-41. SPARK ARRESTOR INSTALLATION - DEUTZ D2011 ENGINE

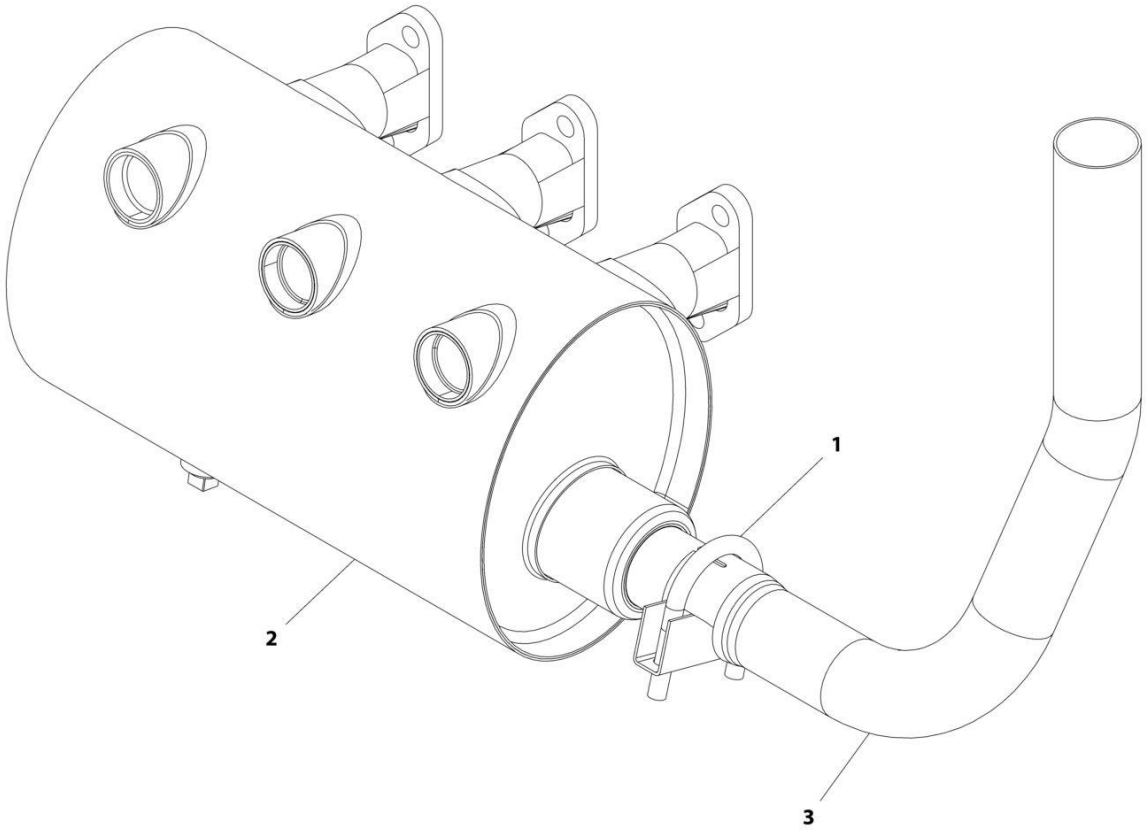


FIGURE 3-41. SPARK ARRESTOR INSTALLATION - DEUTZ D2011 ENGINE

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	

FIGURE 3-42. ENGINE BAFFLE INSTALLATION - ABS HOODS (DEUTZ & GM ENGINES)

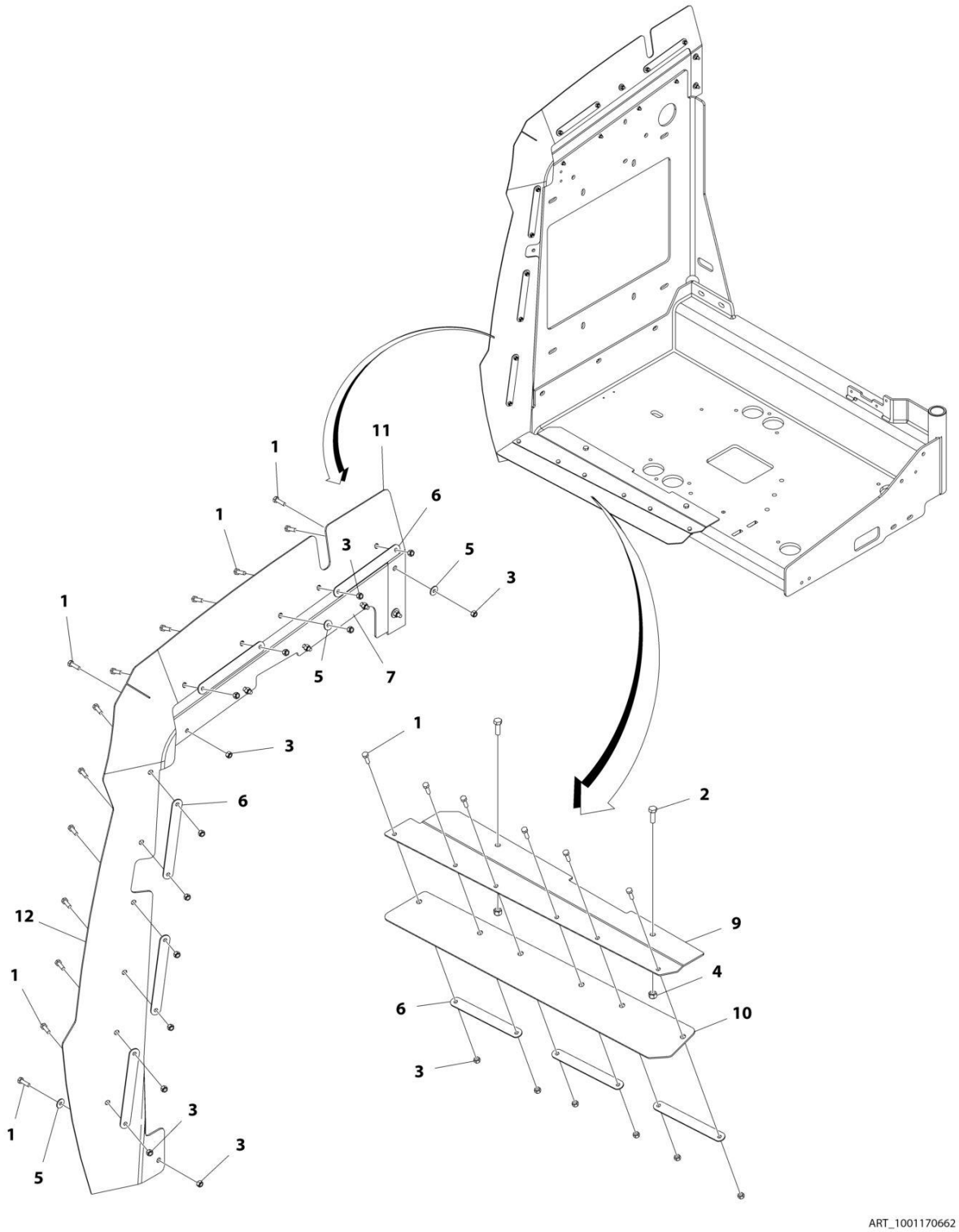


FIGURE 3-42. ENGINE BAFFLE INSTALLATION - ABS HOODS (DEUTZ & GM ENGINES)

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 3-43. ENGINE BAFFLE INSTALLATION - ABS HOODS (KUBOTA ENGINES)

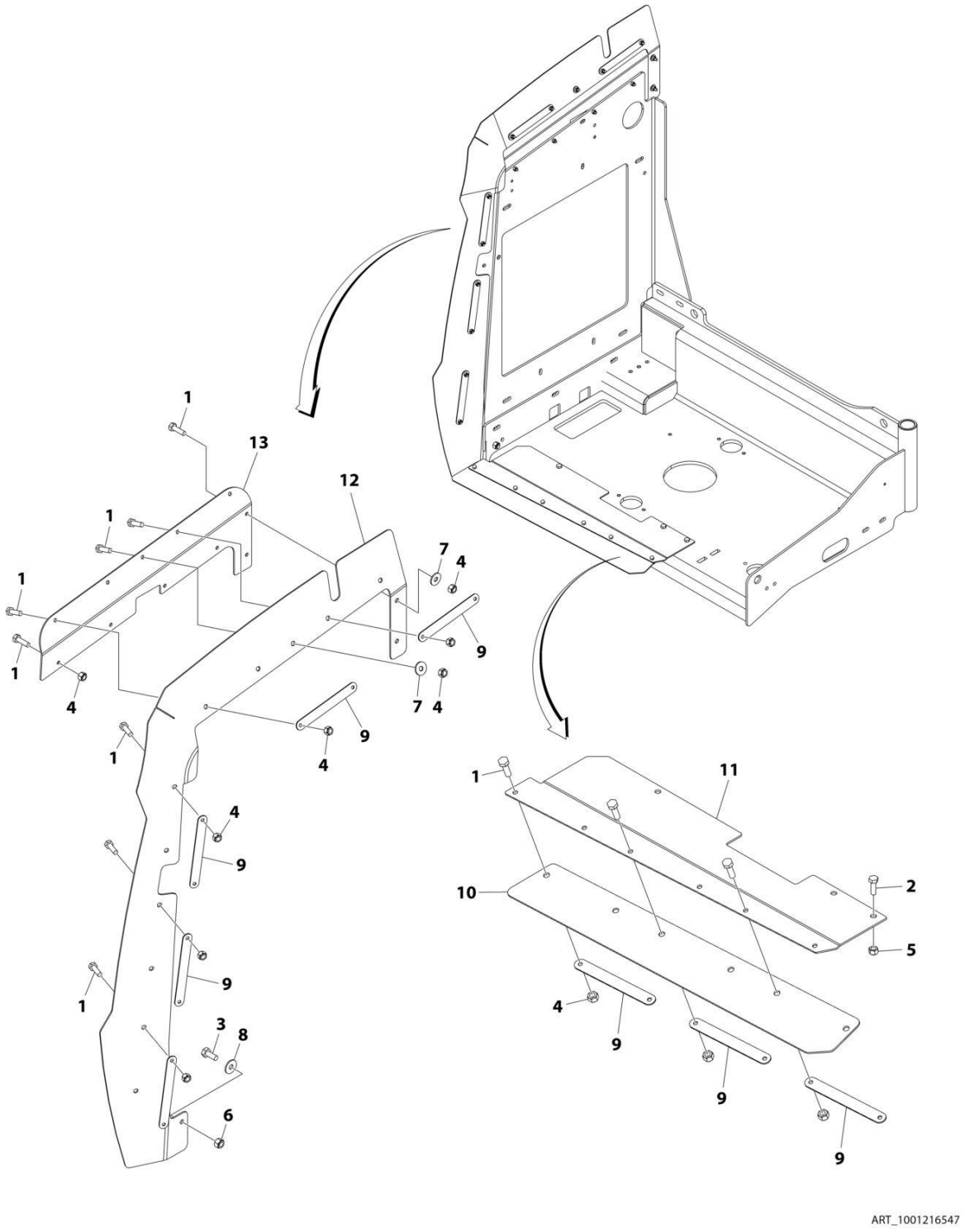


FIGURE 3-43. ENGINE BAFFLE INSTALLATION - ABS HOODS (KUBOTA ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216547	Ref	KUBOTA ENGINE BAFFLE INSTALLATION	B
1	0760610	24	Bolt M6 x 20	
2	0760812	3	Bolt M8 x 25	
3	0761012	1	Bolt M10 x 25	
4	3290605	23	Nut M6 x 1	
5	3290805	3	Nut M8 x 1.25	
6	3291005	1	Nut M10	
7	4811702	3	Washer M6	
8	4812002	1	Washer M10	
9	1001167164	8	Plate, Support	
10	1001170664	1	Seal	
11	1001216512	1	Bracket	
12	1001216548	1	Seal	
13	1001216549	1	Bracket	

FIGURE 3-44. ENGINE BAFFLE INSTALLATION - STEEL HOODS

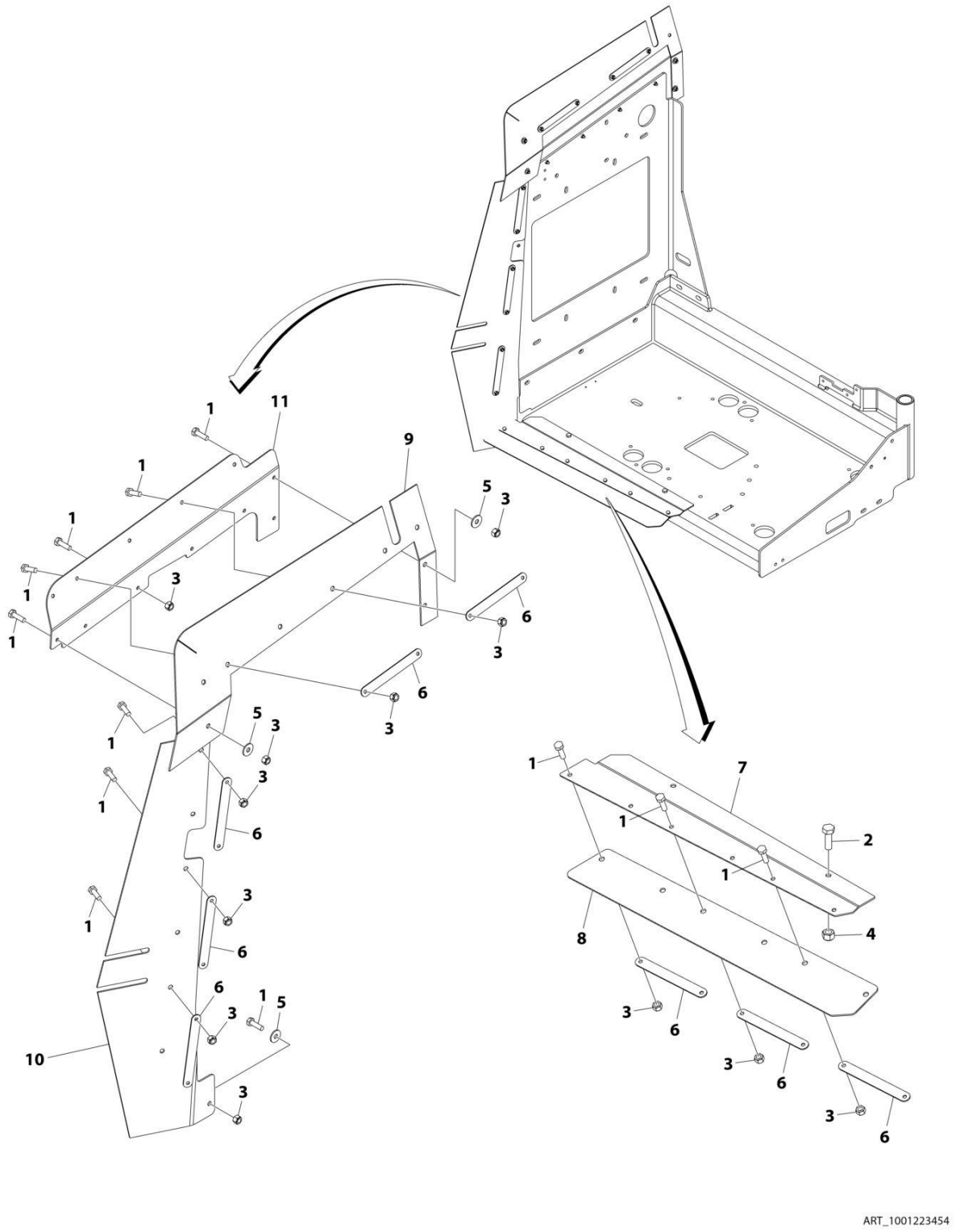


FIGURE 3-44. ENGINE BAFFLE INSTALLATION - STEEL HOODS

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 3-45. FUEL/WATER SEPARATOR INSTALLATION DUETZ D2.9L4 (CHINA IV) ENGINE

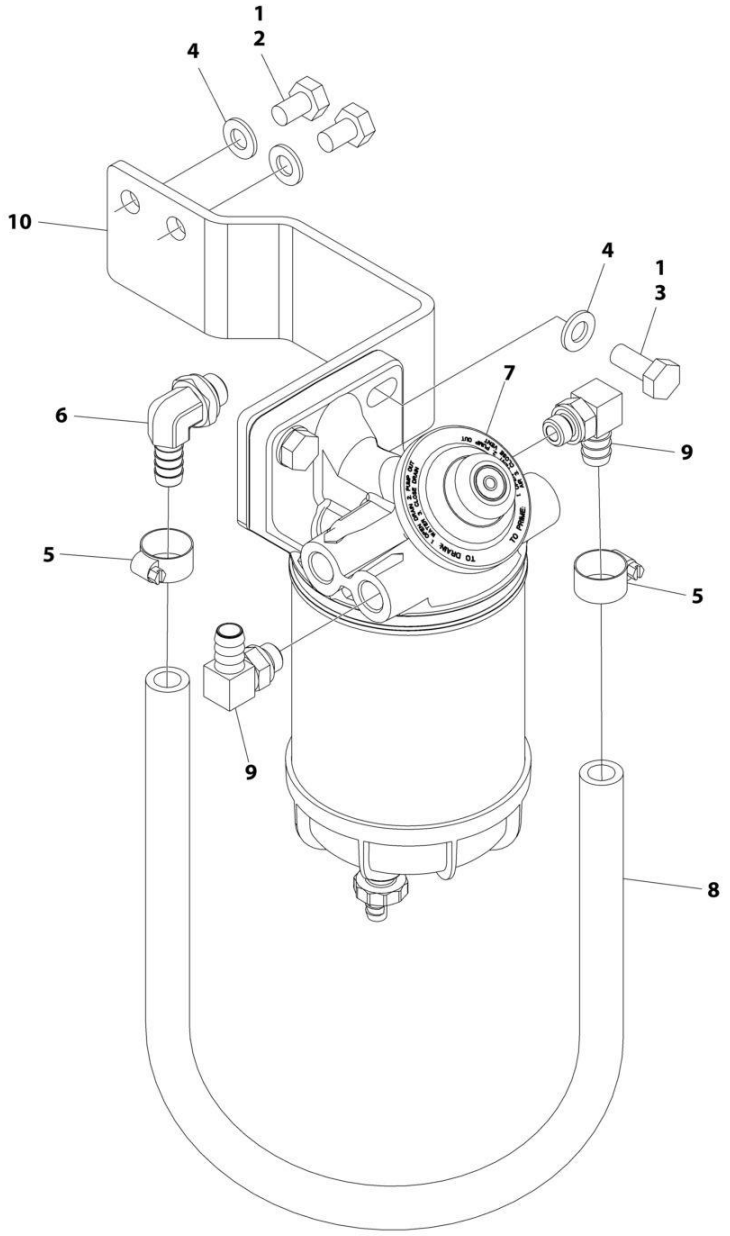


FIGURE 3-45. FUEL/WATER SEPARATOR INSTALLATION DUETZ D2.9L4 (CHINA IV) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259088	Ref	FUEL WATER SEPARATOR INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0761008	2	Bolt M10 x 16	
3	0761012	2	Bolt M10 x 25	
4	4812000	4	Washer M10	
5	8405006	2	Clamp	
6	1001142501	1	Fitting 90 Barbed	
7	1001149452	1	Filter	
8	1001154405	27 in /67 cm	Hose	
9	1001258505	2	Fitting 90 Barbed	
10	1001259086	1	Bracket	

FIGURE 3-46. FUEL PUMP AND FILTER INSTALLATION DUETZ D2.9L4 (CHINA IV) ENGINE

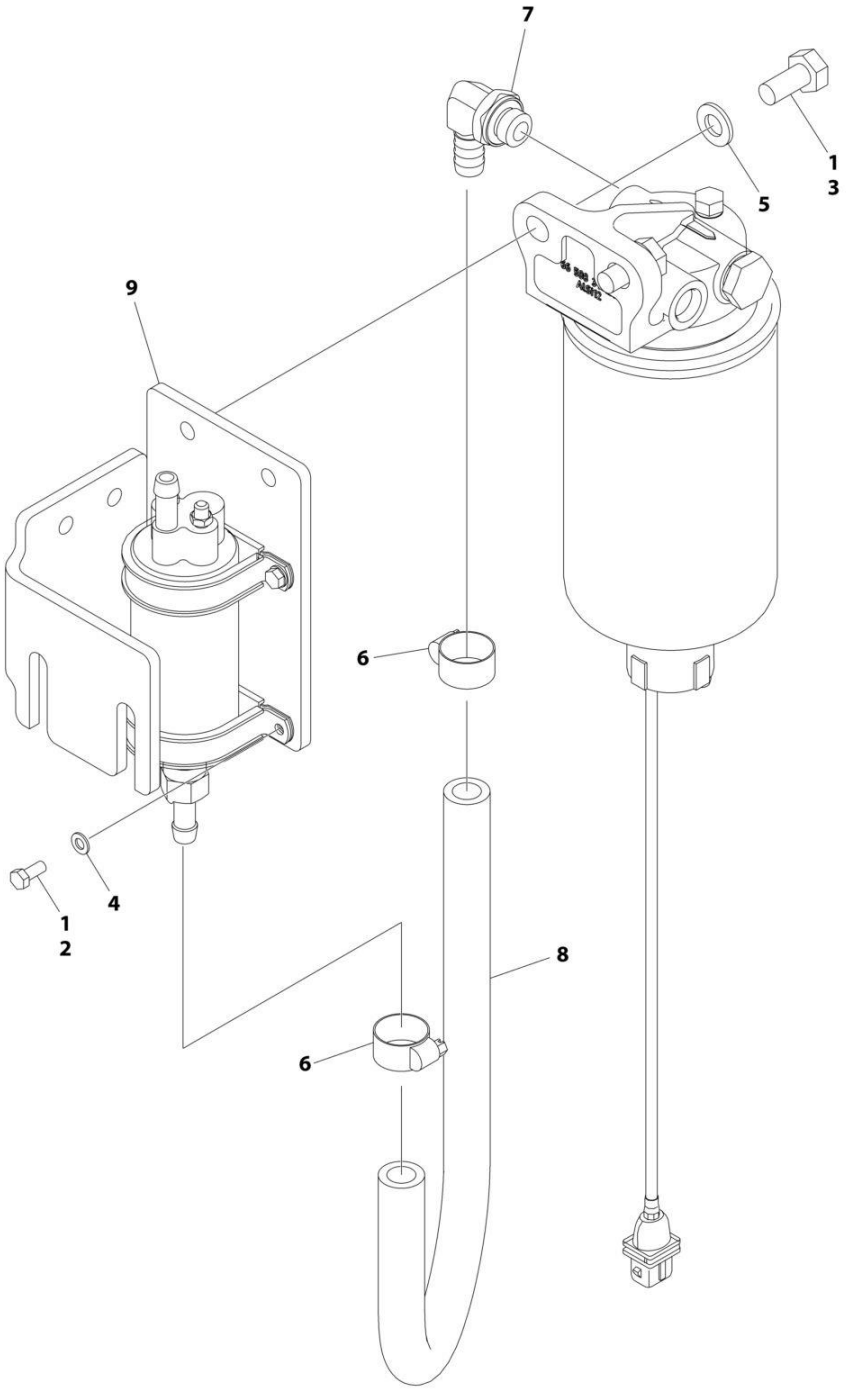


FIGURE 3-46. FUEL PUMP AND FILTER INSTALLATION DUETZ D2.9L4 (CHINA IV) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259087	Ref	FUEL PUMP AND FILTER INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0760506	4	Bolt M5 x 12	
3	0761011	2	Bolt M10 x 22	
4	4811600	4	Washer M5	
5	4812000	2	Washer M10	
6	8405006	2	Clamp	
7	1001142501	1	Fitting 90 Barbed	
8	1001154405	17.75 in /45 cm	Hose	
9	1001259083	1	Bracket	

FIGURE 3-47. ENGINE MOUNT (WITH GENERATOR) - DEUTZ D2.9L4 AND DEUTZ D2.9L4 (STAGE V) ENGINES

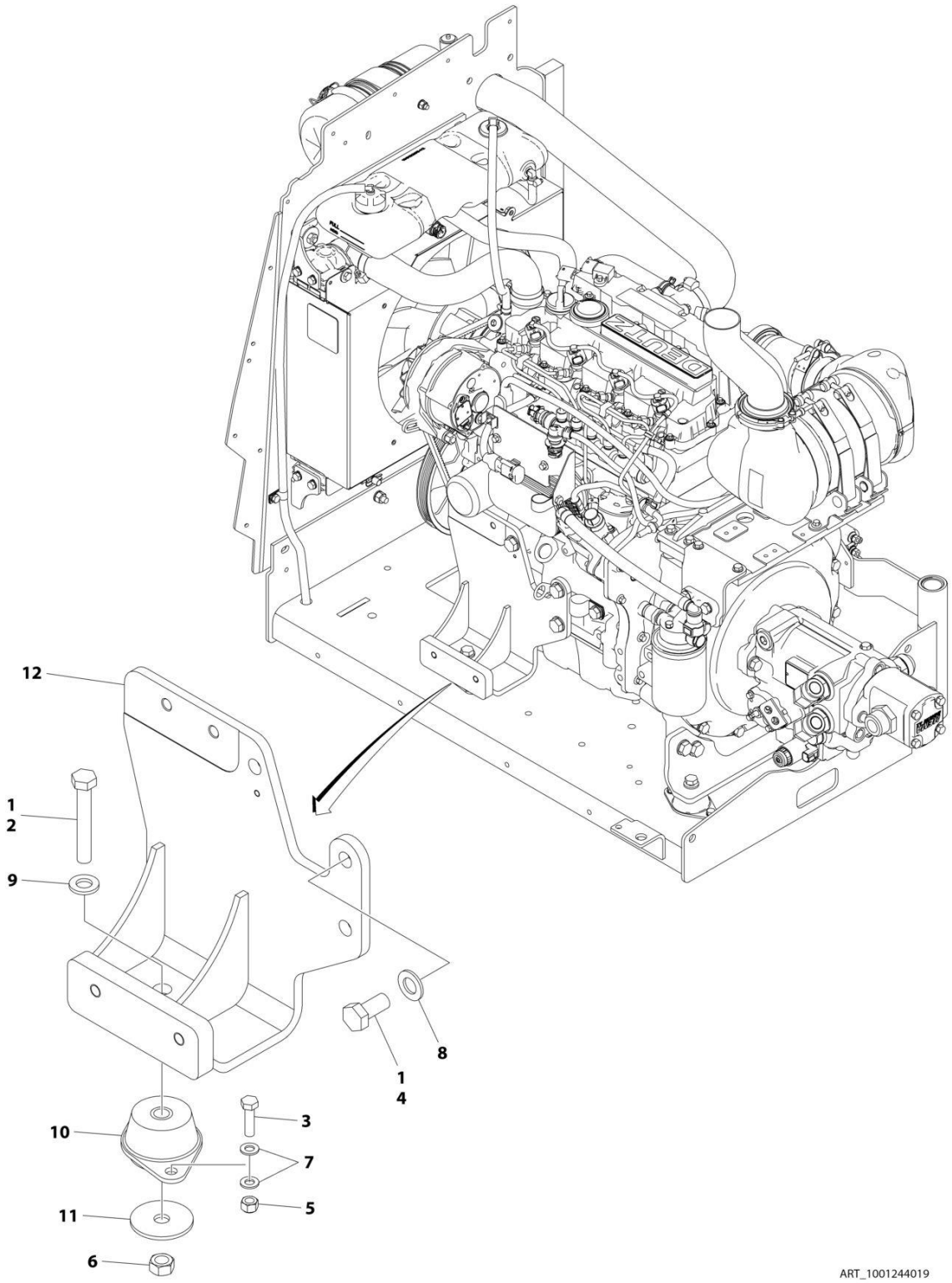


FIGURE 3-47. ENGINE MOUNT (WITH GENERATOR) - DEUTZ D2.9L4 AND DEUTZ D2.9L4 (STAGE V) ENGINES

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 3-48. ENGINE MOUNT (WITHOUT GENERATOR) - DEUTZ D2.9L4, DEUTZ D2.9L4 (STAGE V) AND DEUTZ D2.9L4 (CHINA IV) ENGINES

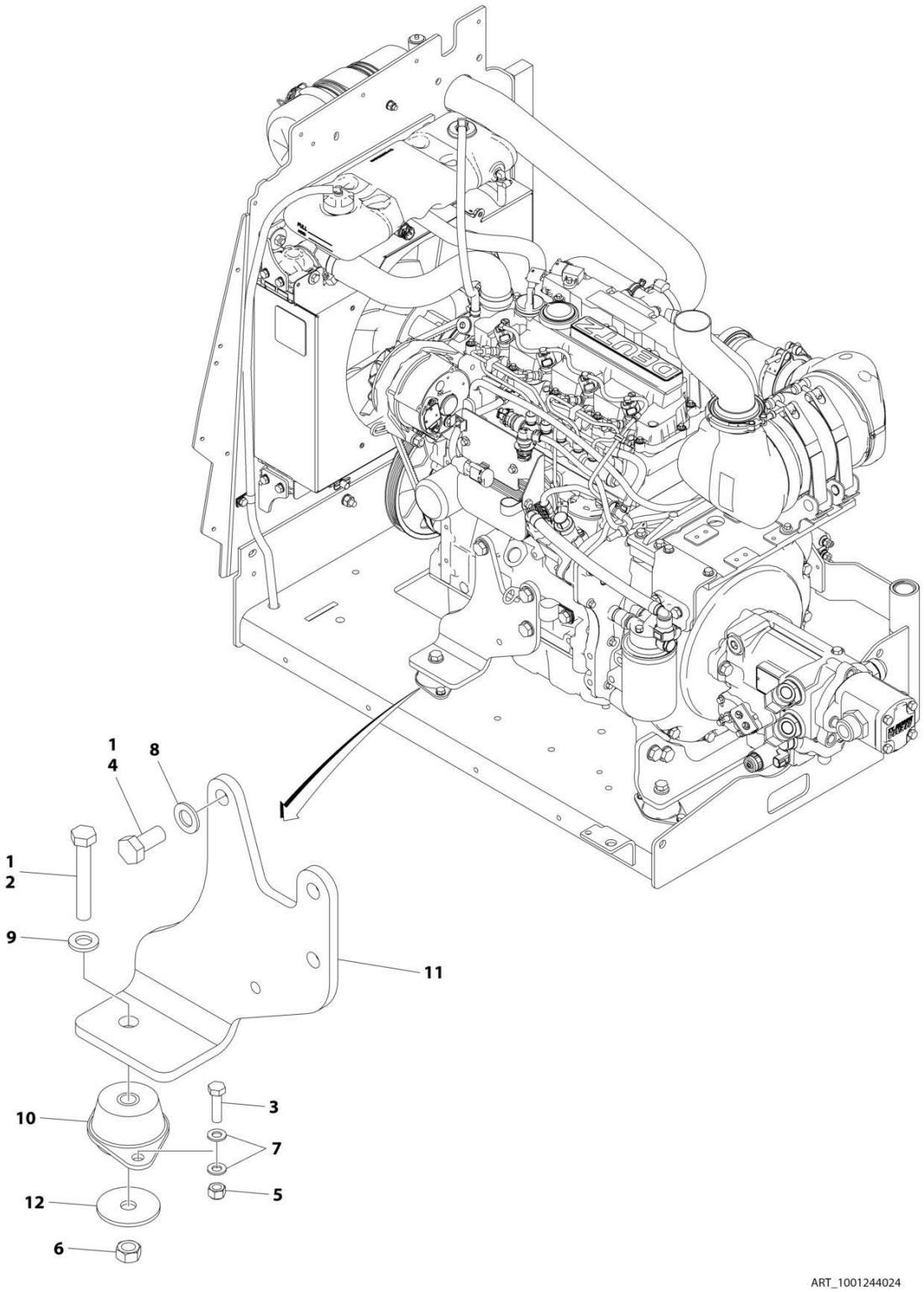


FIGURE 3-48. ENGINE MOUNT (WITHOUT GENERATOR) - DEUTZ D2.9L4, DEUTZ D2.9L4 (STAGE V) AND DEUTZ D2.9L4 (CHINA IV) ENGINES

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 3-49. ENGINE TRAY JACK INSTALLATION

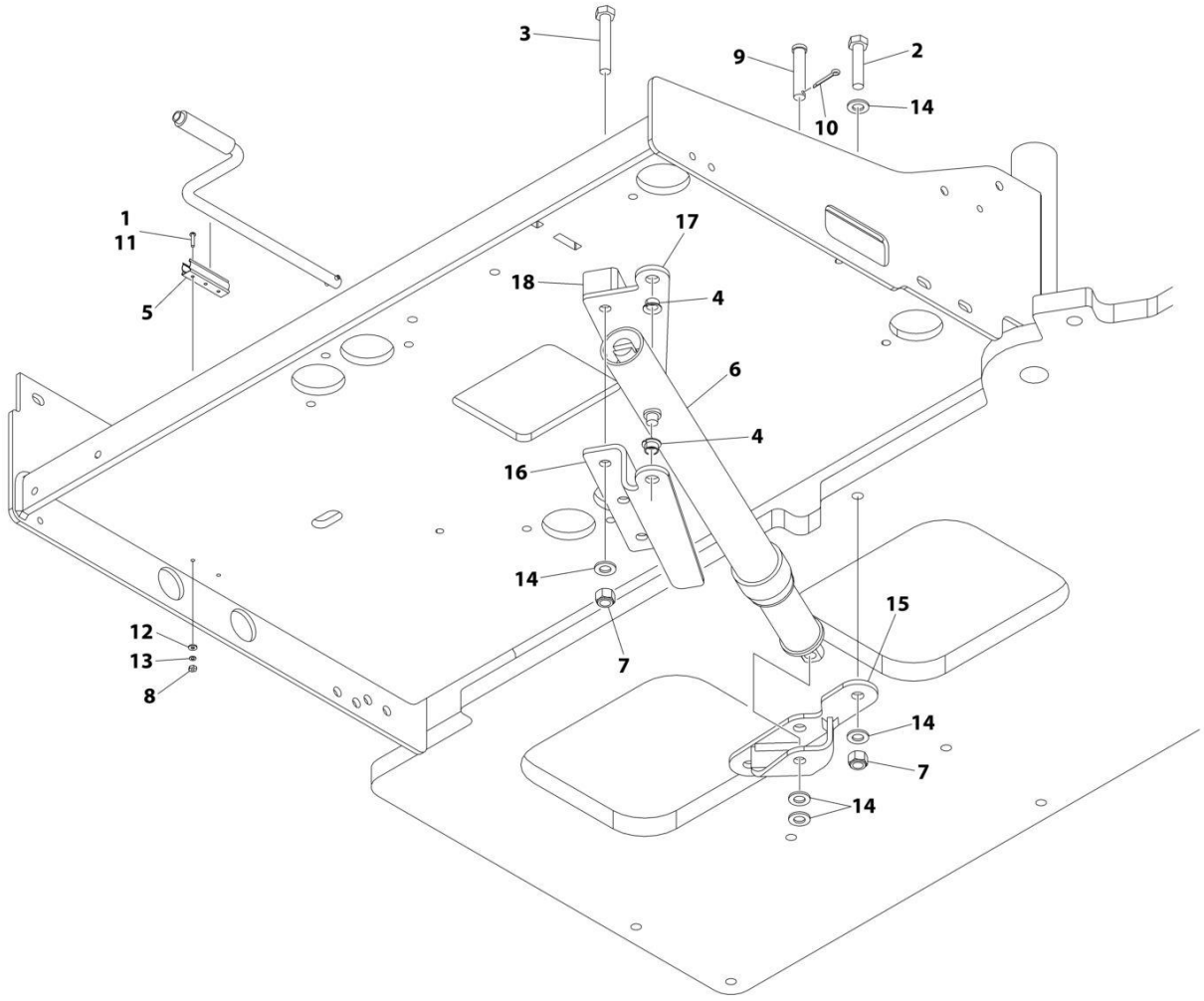


FIGURE 3-49. ENGINE TRAY JACK INSTALLATION

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

FIGURE 3-50. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE)

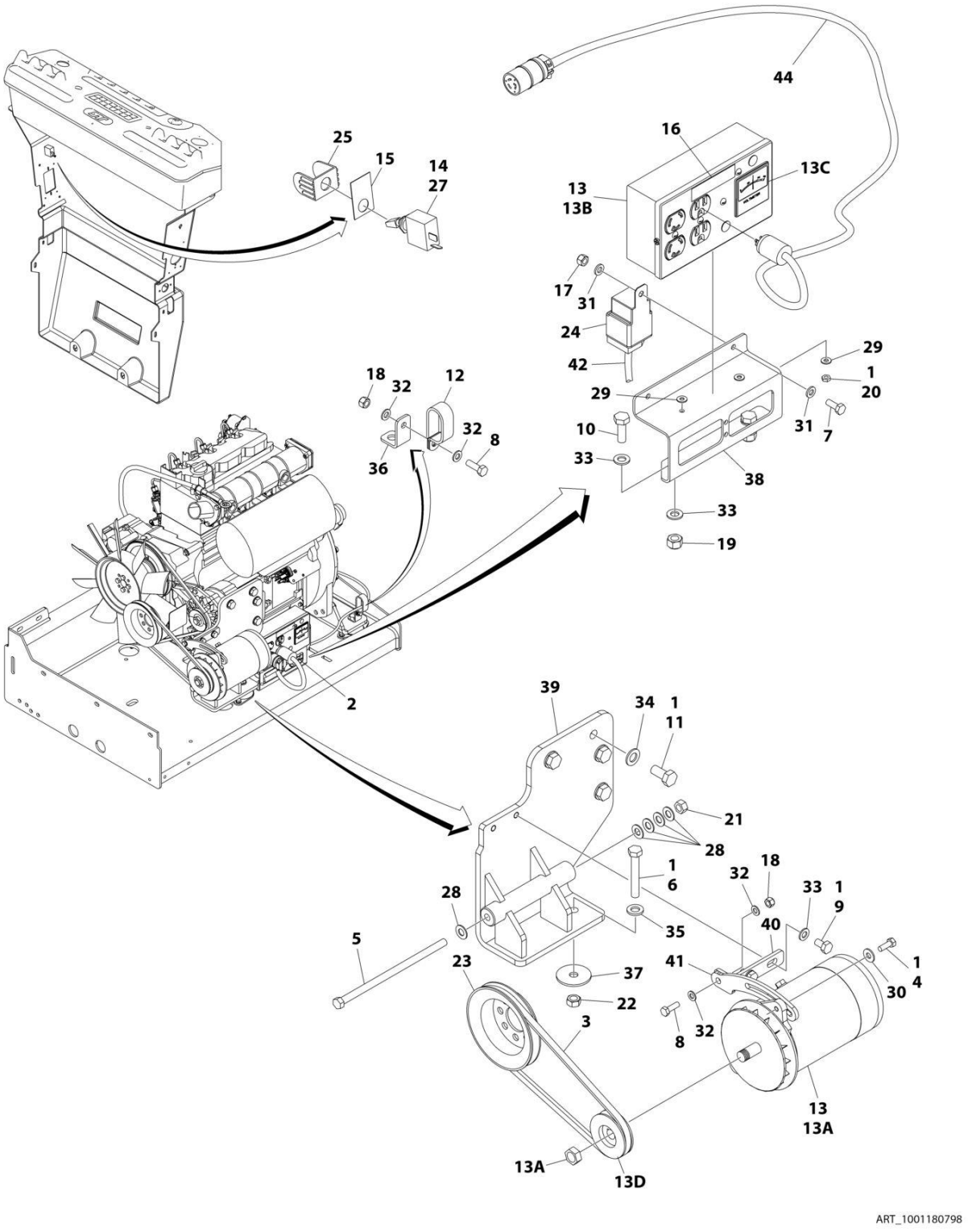


FIGURE 3-50. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE)

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 3-51. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE)

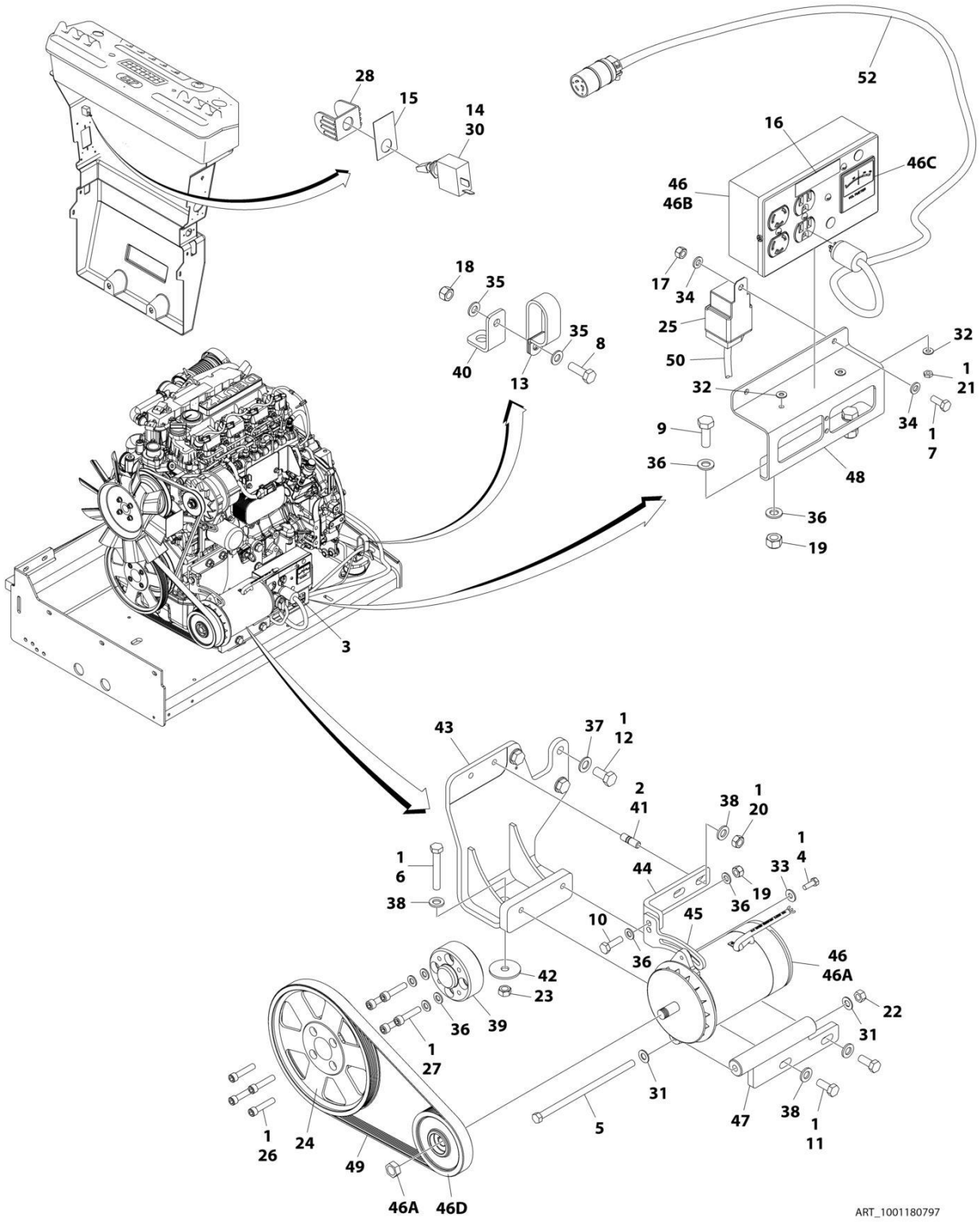


FIGURE 3-51. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE)

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	
46A	7012513	3	Cap, Brush Holder	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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 3-52. GENERATOR INSTALLATION - 2500W/60HZ (KUBOTA ENGINE)

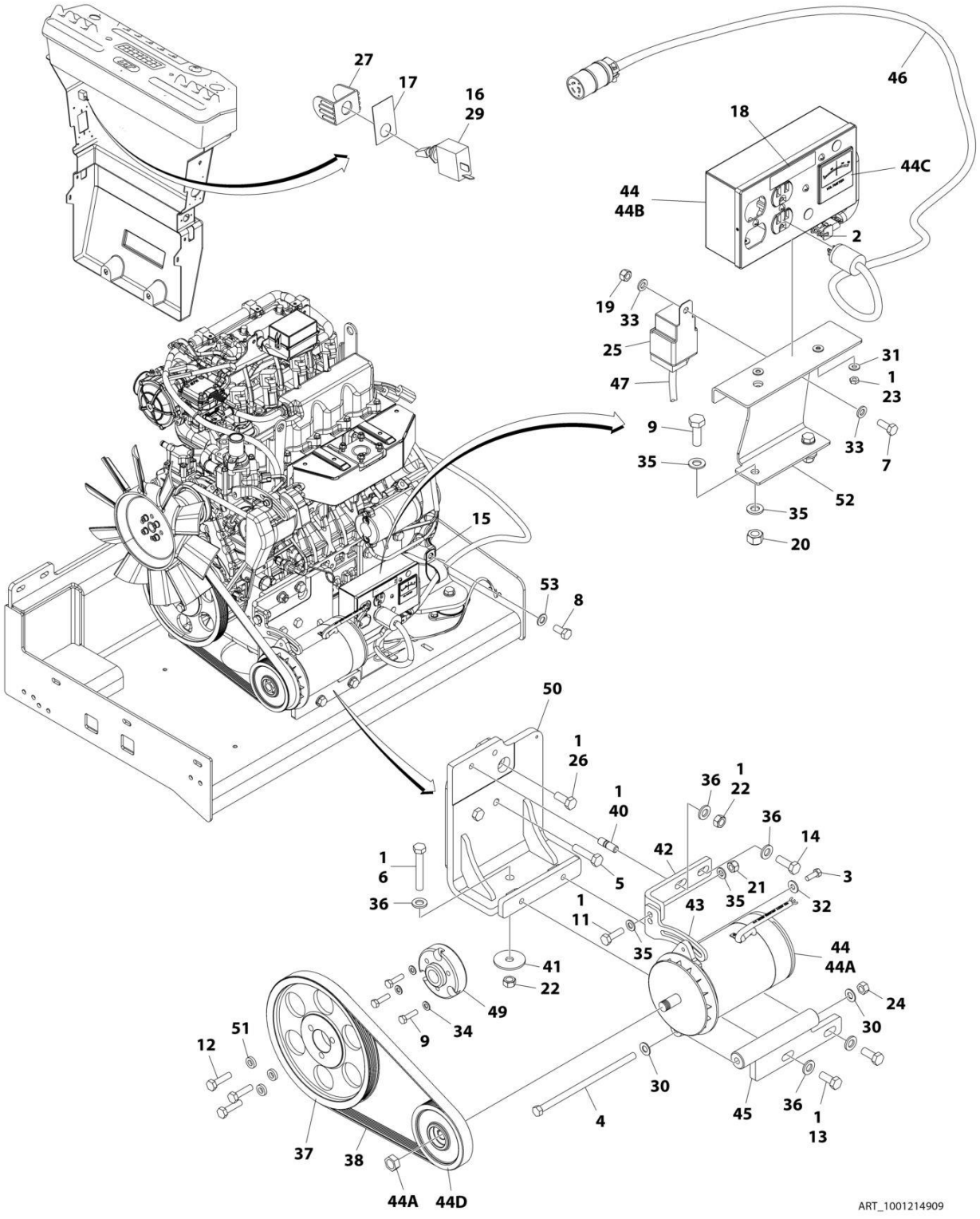


FIGURE 3-52. GENERATOR INSTALLATION - 2500W/60HZ (KUBOTA ENGINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214909	Ref	GENERATOR INSTALLATION - 2500W/60Hz (KUBOTA ENGINE)	E
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0641507	1	Bolt 5/16 x 7/8	
4	0641772	1	Bolt 7/16 x 9	
5	1001217344	2	Bolt M12 x 50	
6	0711224	AR	Bolt M12 x 80 Grade 10.9	
6	0701224	AR	Bolt M12 x 80	
7	0760608	1	Bolt M6 x 16	
8	1001217345	1	Bolt M14 x 30	
9	0760814	5	Bolt M8 x 30	
11	0761015	1	Bolt M10 x 35	
12	0761016	3	Bolt M10 x 40	
13	0761214	2	Bolt M12 x 30	
14	0761215	1	Bolt M12 x 35	
15	84521061	1	Clamp	
16	2820031	AR	Heat Shrink	
17	See Note	1	Nameplate (Note: Not Available for Purchase)	
18	3251243	1	Nameplate 120V-60Hz	
19	3290605	1	Nut M6	
20	3290805	2	Nut M8	
21	3291005	1	Nut M10	
22	3291201	2	Nut M12	
23	3311001	2	Nut #10	
24	3311705	1	Nut 7/16	
25	3740080	1	Relay	
26	1001217342	1	Bolt M12 x 30	
27	4060802	1	Guard, Switch	
28	4240099	AR	Tie-Strap (Not Shown)	
29	4360336	1	Switch, Toggle	
30	4711700	2	Washer 7/16	
31	4751000	4	Washer #10	
32	4751500	1	Washer 5/16	
33	4811700	2	Washer M6	
34	4811900	5	Washer M8	
35	4812000	4	Washer M10	
36	5241200	1	Washer M12 Hardened	
37	1001147233	1	Pulley	
38	1001148138	1	Belt	
40	1001155041	1	Stud	
41	1001168018	1	Washer, Snubbing	
42	1001179836	1	Mount, Upper Generator	
43	1001179837	1	Arm Adjustment	
44	1001180001	1	Generator	
44A	7026199	1	Armature with Slip Rings	
44A	7012513	3	Cap, Brush Holder	
44A	7020108	4	Brush	
44A	7020109	4	Holder, Brush	
44A	7012514	1	Fan	
44A	7020110	1	Bell, Front	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44A	7020111	1	Bell, Rear	
44A	7020190	1	Bearing	
44B	7019680	1	Box, Control	
44B	4460190	1	Receptacle, Standard	
44B	4460027	1	Receptacle, Twistlock	
44B	4360542	1	Breaker, Circuit	
44B	3520028	1	Plug, Hole	
44B	4460961	1	Connector - 4 Position	
44B	4460705	4	Pin, Male	
44B	4460321	1	Connector - 4 Position (Note: Mate to p/n 4460961 Purchase Separately)	
44B	4460268	3	Socket, Female (Note: Mate to p/n 4460705 Purchase Separately)	
44C	2420203	1	Voltmeter	
44D	1001179893	1	Pulley	
44D	7027887	1	Key, Woodruff	
45	1001181243	1	Mount, Lower Generator	
46	1001182296	1	Harness, Inverter	
46	1060494	10 ft/ 3.5m	Cable, Electrical - 12/3	
46	4460134	1	Receptacle, Female	
46	4460138	1	Plug, Male	
47	1001187522	1	Harness, Generator (See Separate Breakdown in ELECTRICAL SECTION)	
48	1001188731	1	Wiring Diagram (Not Shown)	
48	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
49	1001213029	1	Adapter, Pulley	
50	1001214546	1	Support	
51	1001216805	1	Spacer	
52	1001216840	1	Support	
53	4812200	1	Washer M14	

FIGURE 3-53. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINES)

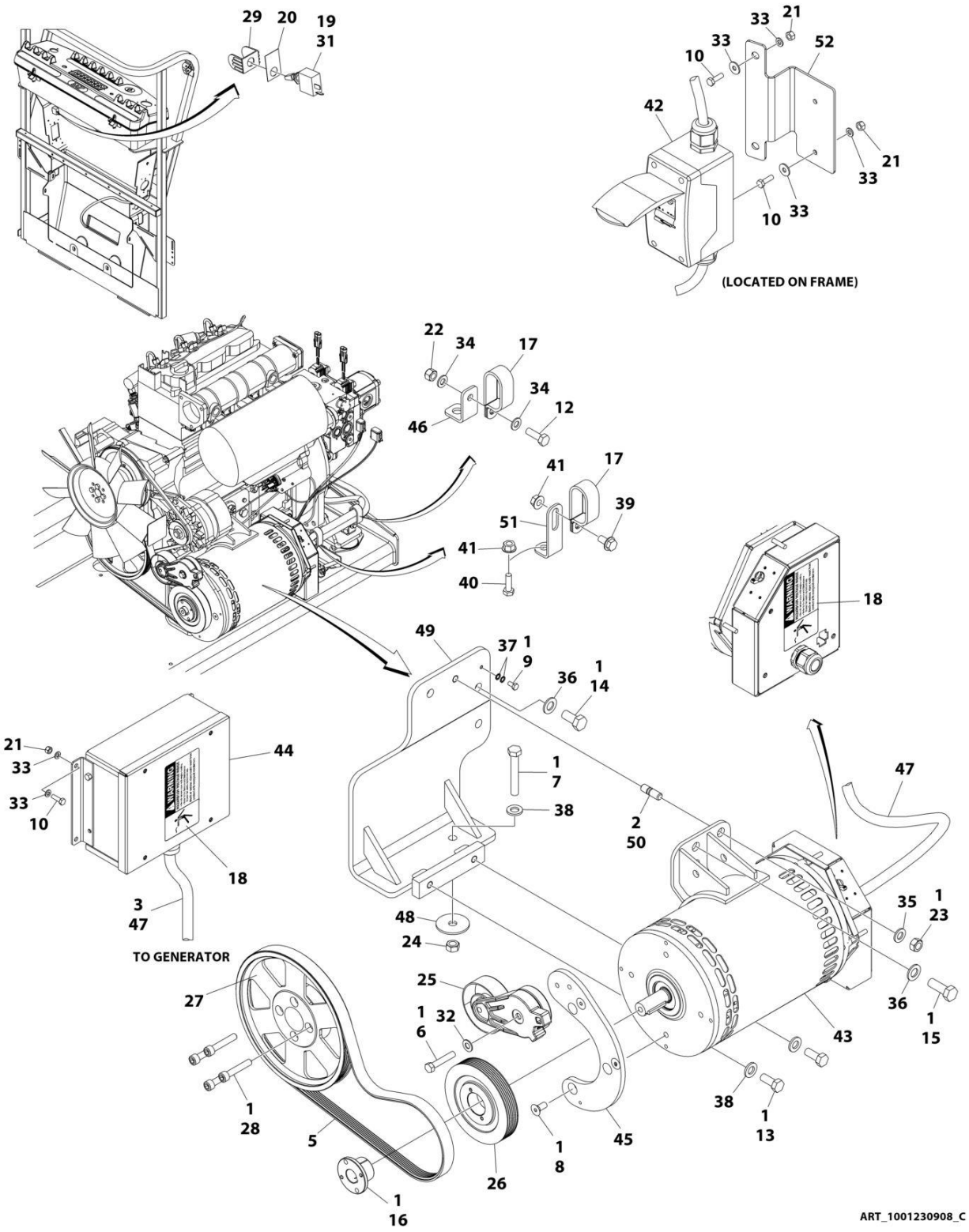


FIGURE 3-53. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230908	Ref	4000W/50Hz GENERATOR INSTALLATION	C
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 Class 10.9	
8	0741607	3	Screw 3/8 x 7/8	
9	0760606	1	Bolt M6 x 12	
10	0760610	8	Bolt M6 x 20	
12	0760812	1	Bolt M8 x 25	
13	0761214	2	Bolt M12 x 30	
14	0771414	2	Bolt M14 x 30 Class 10.9	
15	0771416	1	Bolt M14 x 40 Class 10.9	
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	8	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	16	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)	
43	70001966	1	Bearing	
43	70004092	1	Endbell (Shaft End)	
43	70004171	1	Key	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	1001293086	1	Bracket	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	4922641	1	Generator Switch Harness (Not Shown)	

FIGURE 3-54. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE)

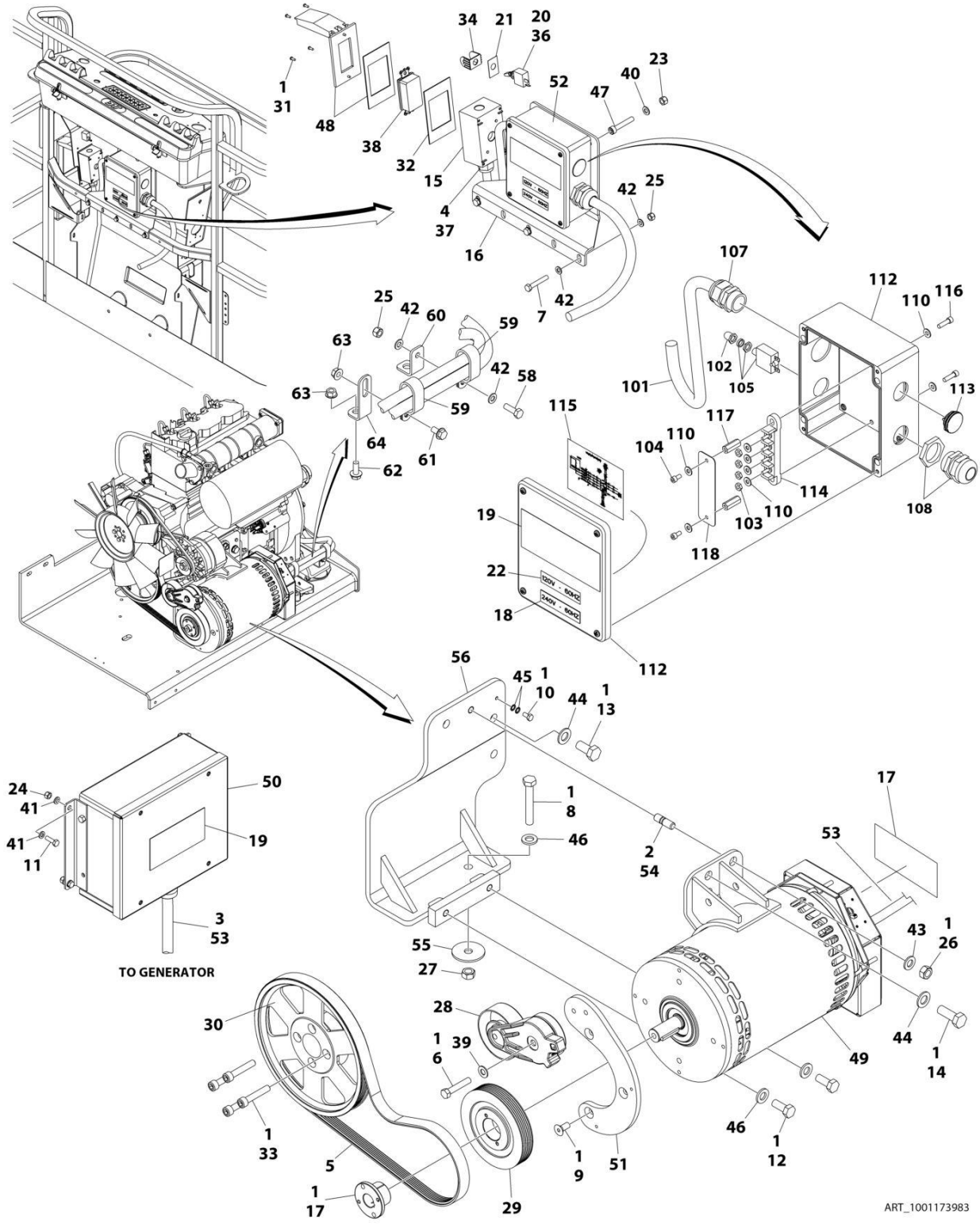


FIGURE 3-54. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE)

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	
48	1001110873	1	Shield, Cover	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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 3-55. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE)

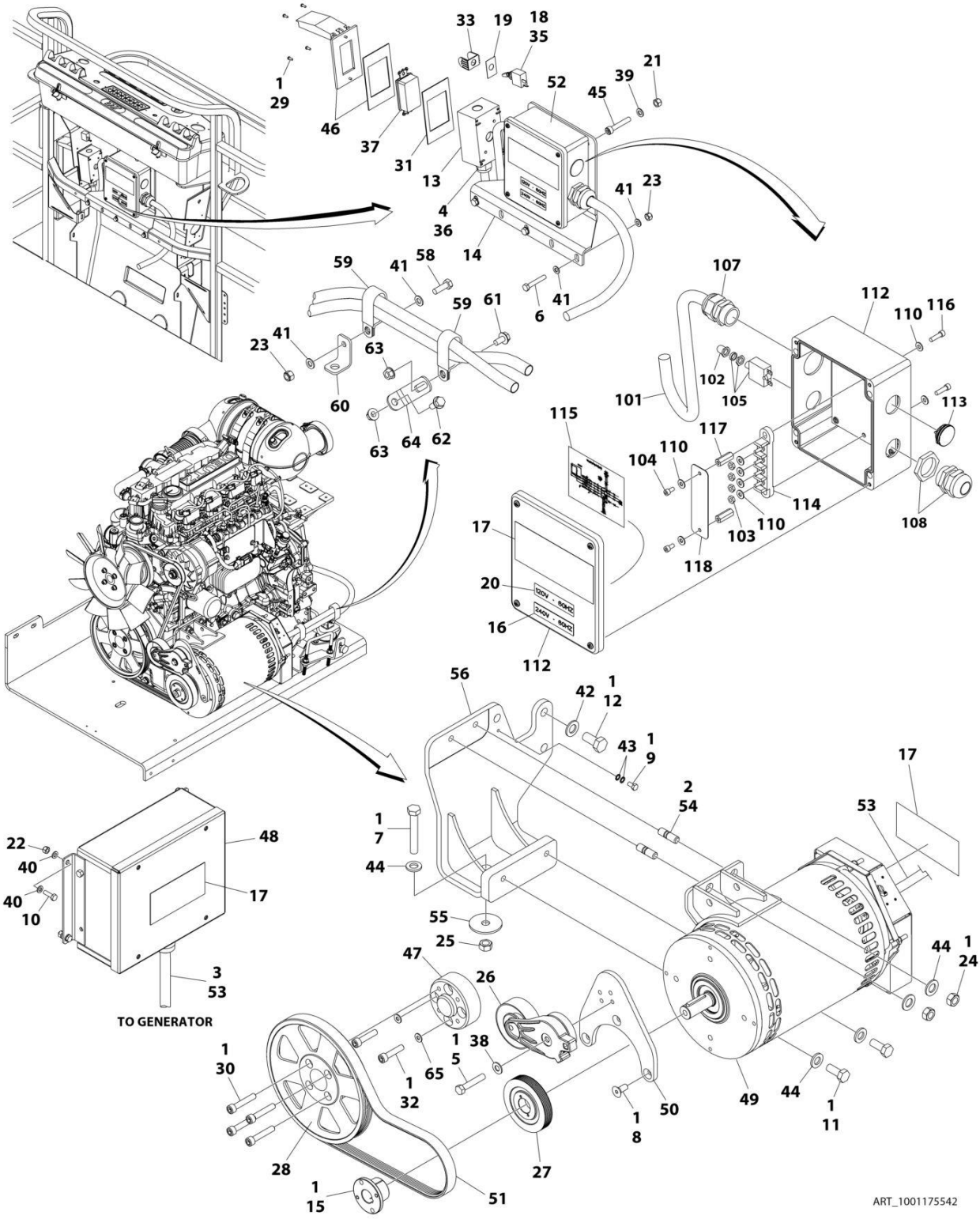


FIGURE 3-55. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE)

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	
48	1001138566	1	Box, Control	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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 3-56. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ STAGE V ENGINE)

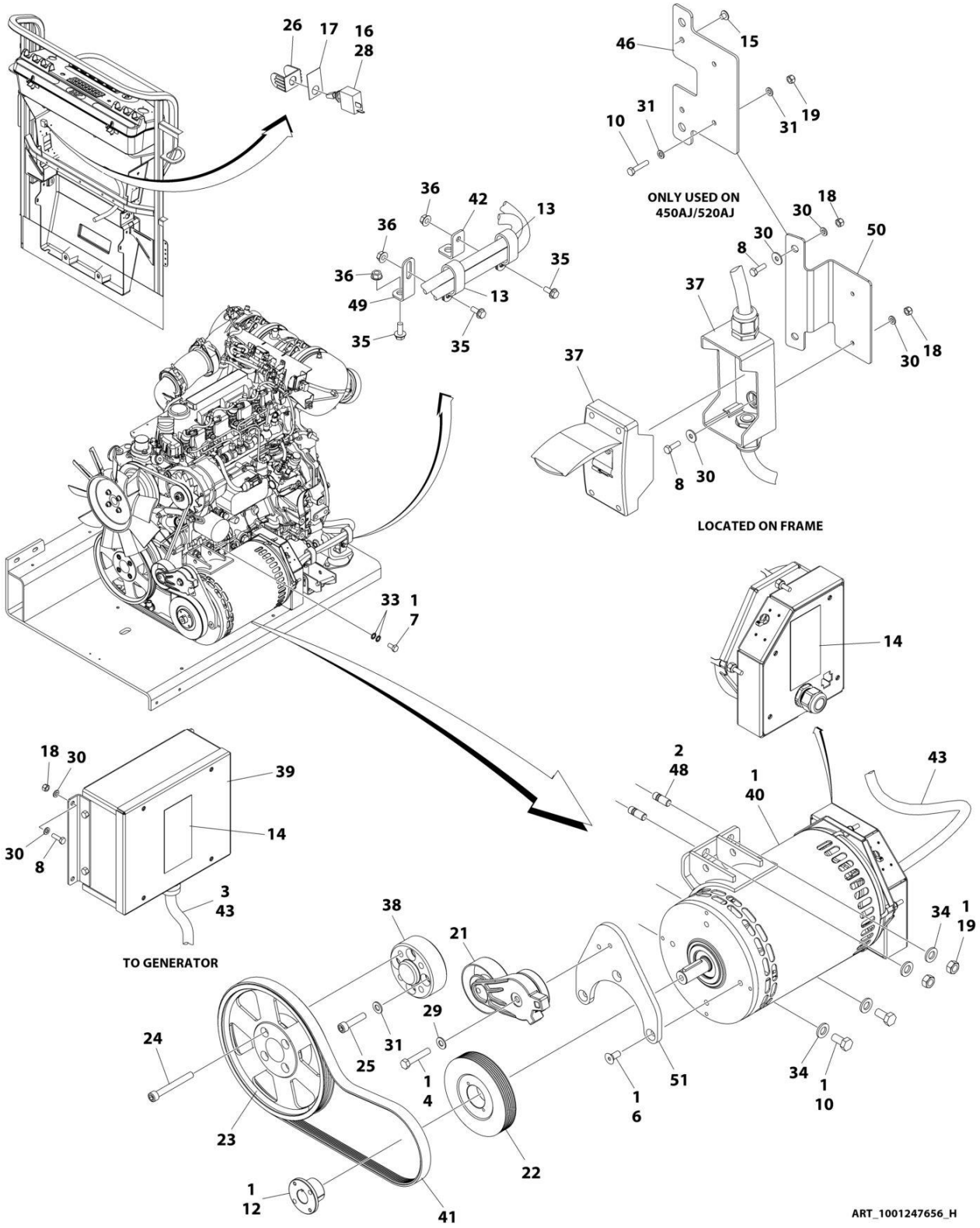


FIGURE 3-56. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ STAGE V ENGINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247656	Ref	GENERATOR INSTALLATION - 4000W/50HZ	H
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0641616	1	Bolt 3/8 x 2	
6	0741607	3	Screw 3/8 x 7/8	
7	0760606	1	Bolt M6 x 12	
8	0760610	10	Bolt M6 x 20	
10	0761212	2	Bolt M12 x 25	
12	0962520	1	Bushing	
13	1321716	2	Clamp	
14	1705489	2	Decal - Hazardous Voltage	
15	2080040	2	Fastener, Huck	
16	2820031	0.33 ft /0.10m	Heat Shrink	
17	3251102	1	Nameplate, Generator	
18	3290605	10	Nut M6	
19	3291201	2	Nut M12	
21	3580317	1	Pulley	
22	3580319	1	Pulley	
23	1001281192	1	Pulley	
24	1001261085	4	Capscrew M10 x 85	
25	1001261045	4	Capscrew M10 x 45	
26	4060802	1	Guard, Switch	
27	4240099	AR	Tie-Strap (Not Shown)	
28	4360336	1	Switch, Toggle	
29	4711600	1	Washer 3/8	
30	4811700	18	Washer M6	
31	4812000	4	Washer M14	
33	4871700	2	Washer M6	
34	5241200	4	Washer M12 Hardened	
35	5250810	3	Bolt M8 x 20	
36	5260800	3	Nut M8	
37	1001096070	1	Breaker Box Kit (50Hz) (See Separate Breakdown in ELECTRICAL Section)	
38	1001258800	1	Adapter	
39	1001138566	1	Box, Control	
40	1001140347	1	Generator, 4000W/ 50HZ - Deutz Engine	
40	70003709	1	Ring, Retaining (External)	
40	70003708	1	Ring, Retaining (Internal)	
40	70001966	1	Bearing	
40	70004092	1	Endbell (Shaft End)	
40	70004099	1	Key	
40	70004676	1	Rotor	
40	70004686	1	Stator	
40	70004678	1	Endbell (Rear)	
40	70004679	1	Cover, Endbell (Rear)	
40	70004680	1	Enclosure, Wiring	
40	70004681	1	Cover, Enclosure	
40	70004682	1	Switch, Reset (Located on Enclosure Cover)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
41	1001148059	1	Belt, Generator	
42	1001148641	1	Bracket	
43	1001152532	1	Harness, Generator (See Separate Breakdown in ELECTRICAL Section)	
46	1001174158	1	Mount	
47	1001174675	1	Wiring Diagram (Not Shown)	
48	1001196382	2	Stud	
49	1001223122	1	Support	
50	1001293086	1	Bracket	
51	1001248190	1	Support	
52	4811702	2	Washer M6	
		Ref	ELECTRICAL DIAGRAM COMPONENTS	
101	4922641	1	Generator Switch Harness (Not Shown)	

FIGURE 3-57. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE)

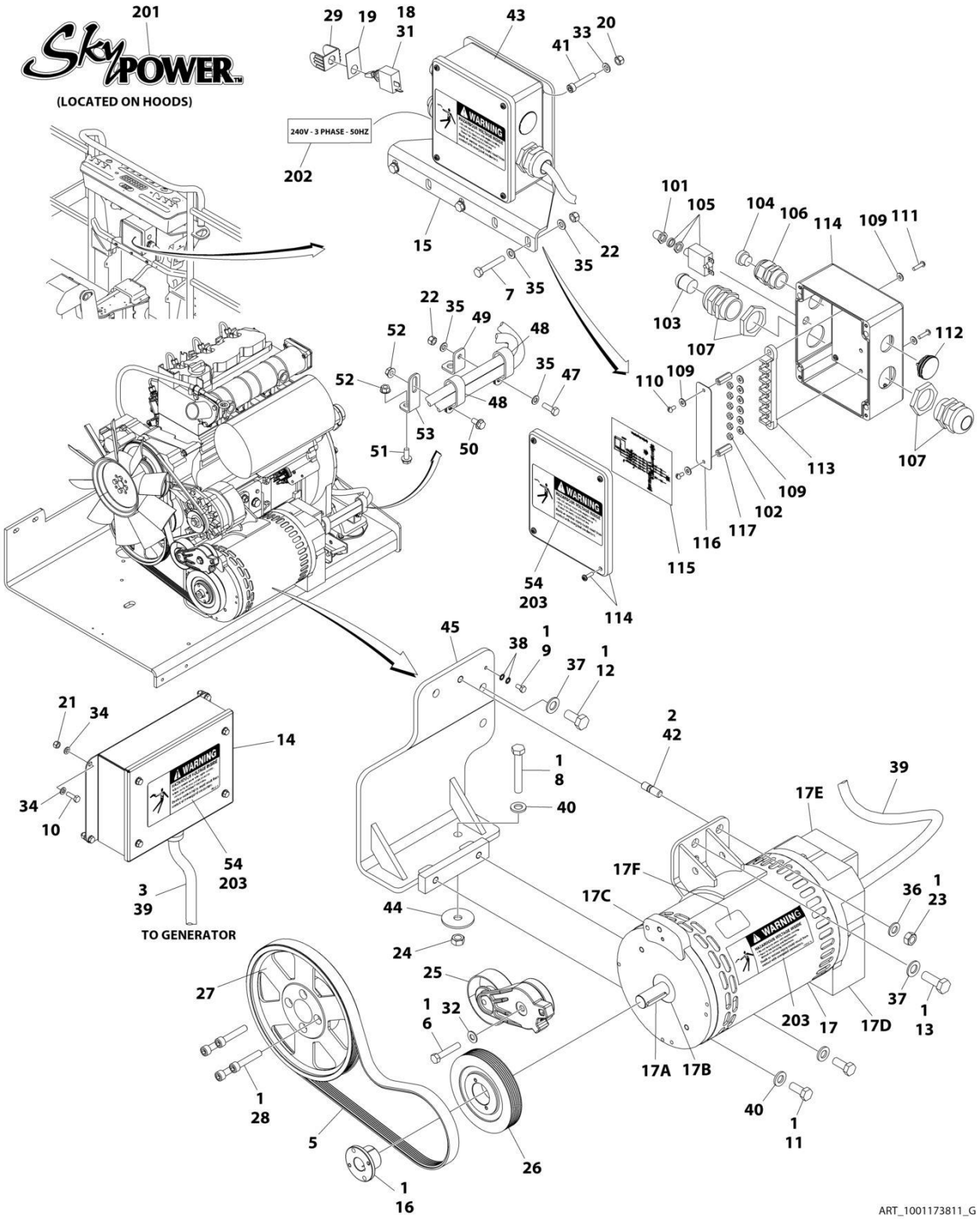


FIGURE 3-57. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE)

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	
19	3252764	1	Nameplate	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	
111	10702082	2	Screw #10 x 3/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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 3-58. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE)

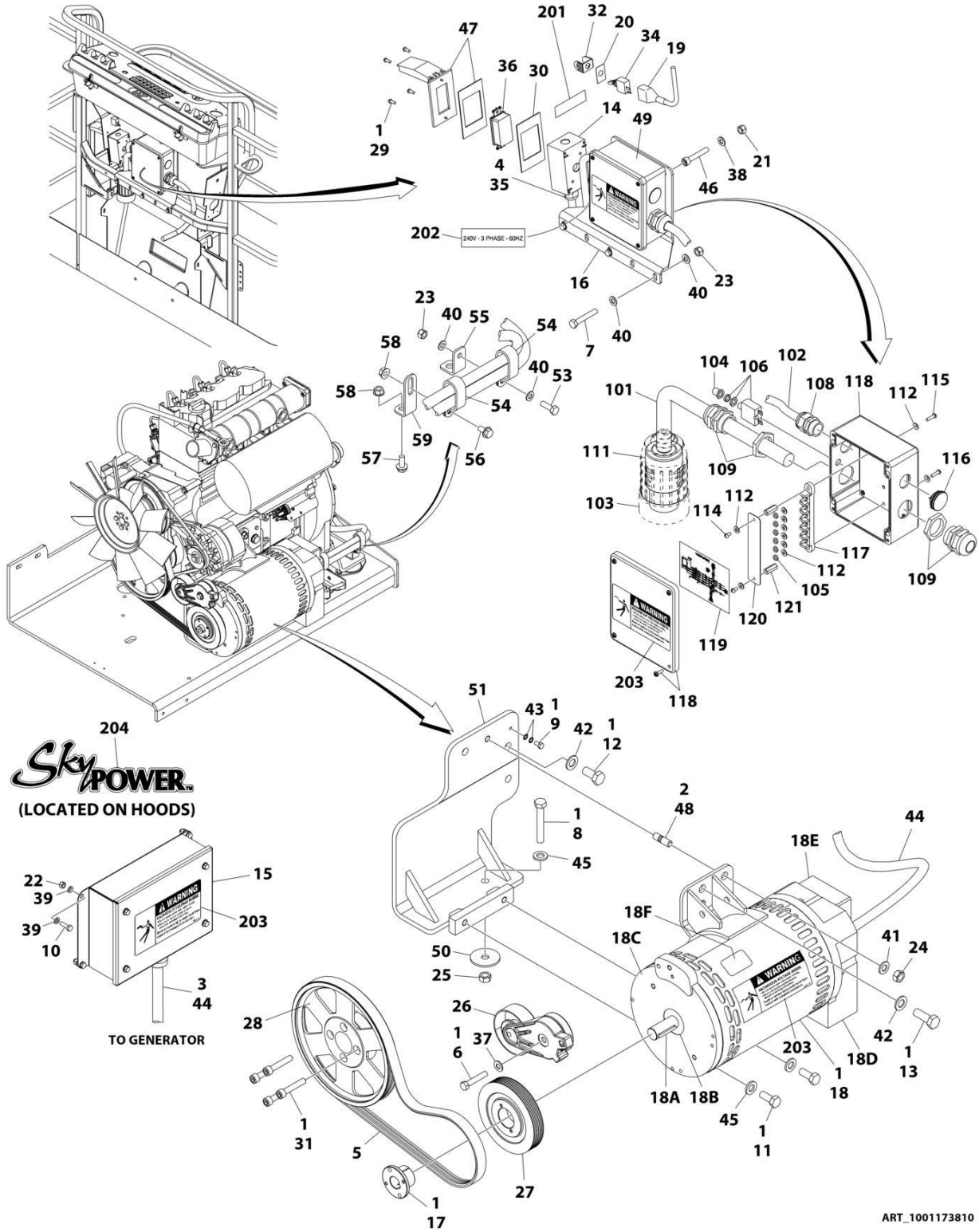


FIGURE 3-58. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE)

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	
19	2820031	AR	Heat Shrink	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	
103	1671092	1	Cover	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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 3-59. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4 ENGINE)

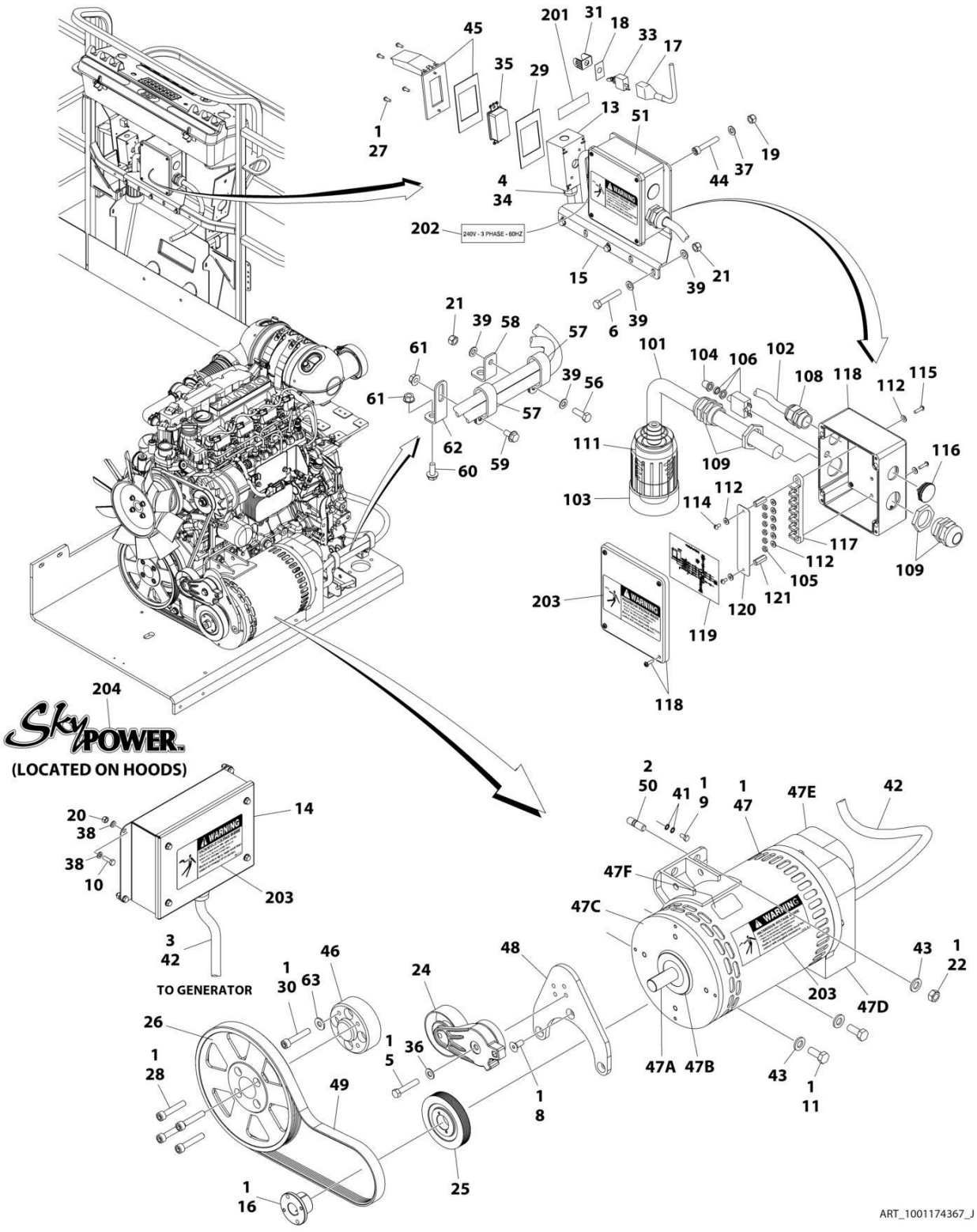


FIGURE 3-59. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4 ENGINE)

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	
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	
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	
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	
41	4871700	2	Washer M6	
42	4922925	1	Harness, Generator	
42	4460225	1	Plug, Male 6 Position (Plugs into Generator)	
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	4	Washer M12 Hardened	
44	1001104029	4	Screw M5 x 30	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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)	
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
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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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 3-60. GENERATOR INSTALLATION - 7500W/60HZ (KUBOTA ENGINE)

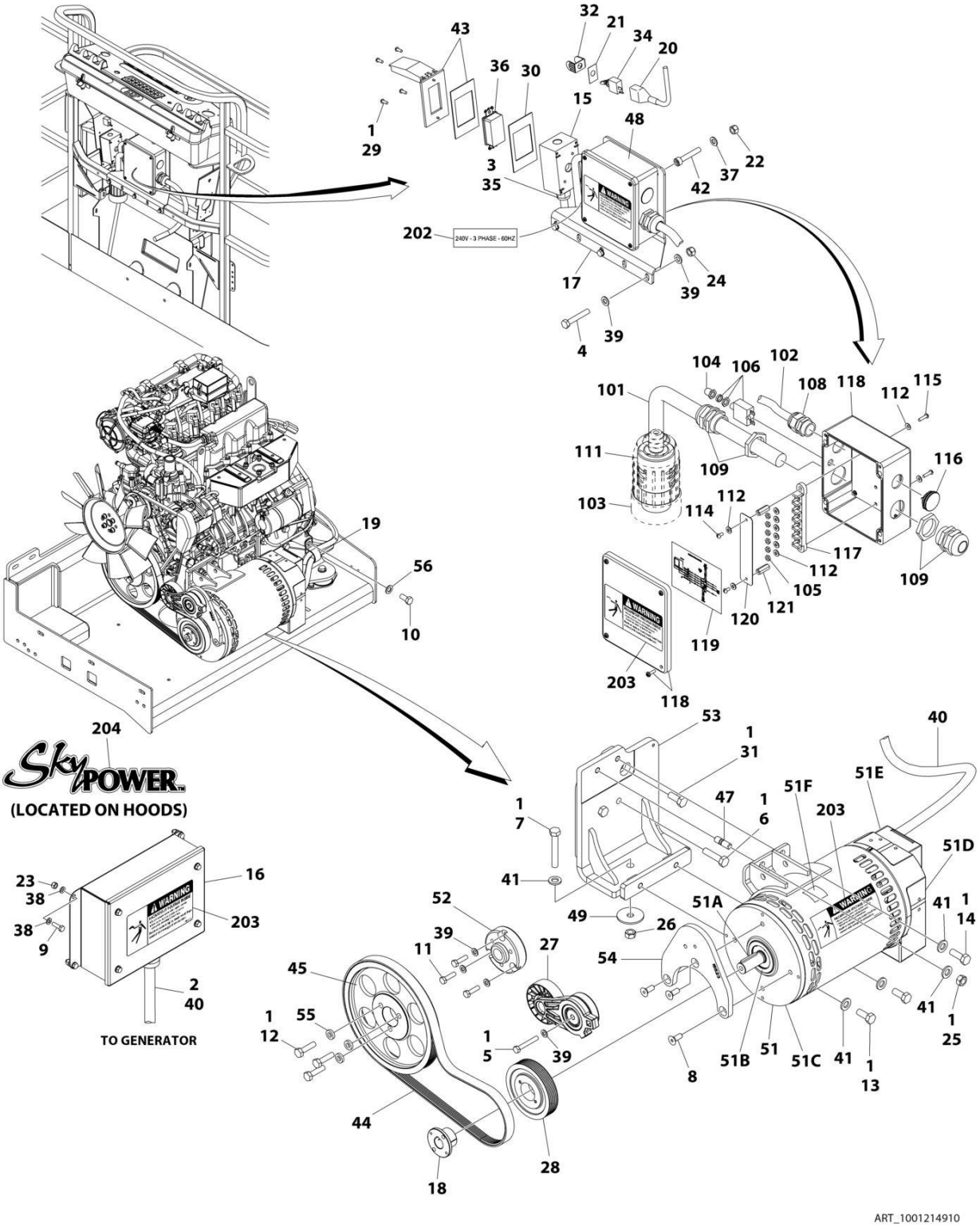


FIGURE 3-60. GENERATOR INSTALLATION - 7500W/60HZ (KUBOTA ENGINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214910	Ref	GENERATOR INSTALLATION - 7500W/60HZ (KUBOTA ENGINE)	C
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0100079	AR	Sealant	
4	0700818	3	Bolt M8 x 50	
5	0700819	1	Bolt M8 x 55	
6	1001217344	2	Bolt M12 x 50	
7	0711224	AR	Bolt M12 x 80 Grade 10.9	
7	0701224	AR	Bolt M12 x 80	
8	0741608	3	Screw 3/8 x 1	
9	0760610	4	Bolt M6 x 20	
10	1001217345	1	Bolt M14 x 30	
11	0760814	3	Bolt M8 x 30	
12	0701016	3	Bolt M10 x 40	
13	0761214	2	Bolt M12 x 30	
14	0761215	1	Bolt M12 x 35	
15	0860038	1	Box, Switch	
16	0861538	1	Control Box Assembly	
16	7024488	1	Card, Circuit - Generator Power	
16	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
16	7024489	1	Card, Circuit - Control	
16	70000619	1	Harness, Control Box (Internal)	
17	0902888	1	Bracket	
18	0962520	1	Bushing	
19	84521062	1	Clamp	
20	2820031	AR	Heat Shrink	
21	3252764	1	Nameplate	
22	3290505	4	Nut M5	
23	3290605	4	Nut M6	
24	3290805	3	Nut M8	
25	3291201	AR	Nut M12	
26	3331211	AR	Nut M12	
27	3580317	1	Pulley	
28	3580318	1	Pulley	
29	3910606	4	Screw #6 x 3/8	
30	3960422	1	Gasket	
31	1001217342	1	Bolt M12 x 30	
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	4811600	4	Washer M5	
38	4811700	8	Washer M6	
39	4811900	10	Washer M8	
40	4922925	1	Harness, Generator	
40	4460225	1	Plug, Male - 6 Position (Plugs into Generator)	
40	See Note	NSS	Socket, Female (Use with 4460225)	
40	See Note	NSS	Seal, Plug (Use with 4460225)	
40	See Note	NSS	Seal, Interface (Use with 4460225)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	5241200	5	Washer M12 Hardened	
42	1001104029	4	Screw M5 x 30	
43	1001110873	1	Shield, Cover	
44	0480129	1	Belt	
45	1001147233	1	Pulley	
47	1001155041	1	Stud	
48	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
49	1001168018	1	Washer, Snubbing	
50	1001174675	1	Wiring Diagram (Not Shown)	
50	4922641	1	Harness, On/Off Switch (Not Shown - Located at Platform)	
51	1001212223	1	Generator Assembly	
51	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
51	70001384	1	Bearing, Ball Radial (Not Shown)	
51	70000863	1	Fan (Not Shown)	
51	70006093	1	Stator (Not Shown)	
51	70002297	1	Stud	
51	70003631	1	Brushholder Assembly (Not Shown)	
51A	70004099	1	Key	
51B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
51B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
51B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
51C	70004092	1	Endbell, Belt Tensioner	
51D	70004094	1	Endbell, Brush Block	
51E	70006094	1	Shroud	
51E	70002291	1	Insulator, Endbell	
51E	7027799	1	Block, Connector 6 Position (Not Shown)	
51E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
51E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
51E	70006096	1	Guard, Breaker (Not Shown)	
51E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 36)	
51E	70004098	1	Clamp, Cable (Not Shown)	
51E	70006097	1	Plate, End Panel	
51E	70001974	1	Decal - Terminal Connections	
51F	70001973	1	Decal - Warning Moving Parts	
52	1001213029	1	Adapter, Pulley	
53	1001214546	1	Support	
54	1001215523	1	Support	
55	1001216805	3	Spacer	
56	4812200	1	Washer M14	
	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	
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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
112	4711000	10	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-Off	
	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	

SECTION 4 - BOOM

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

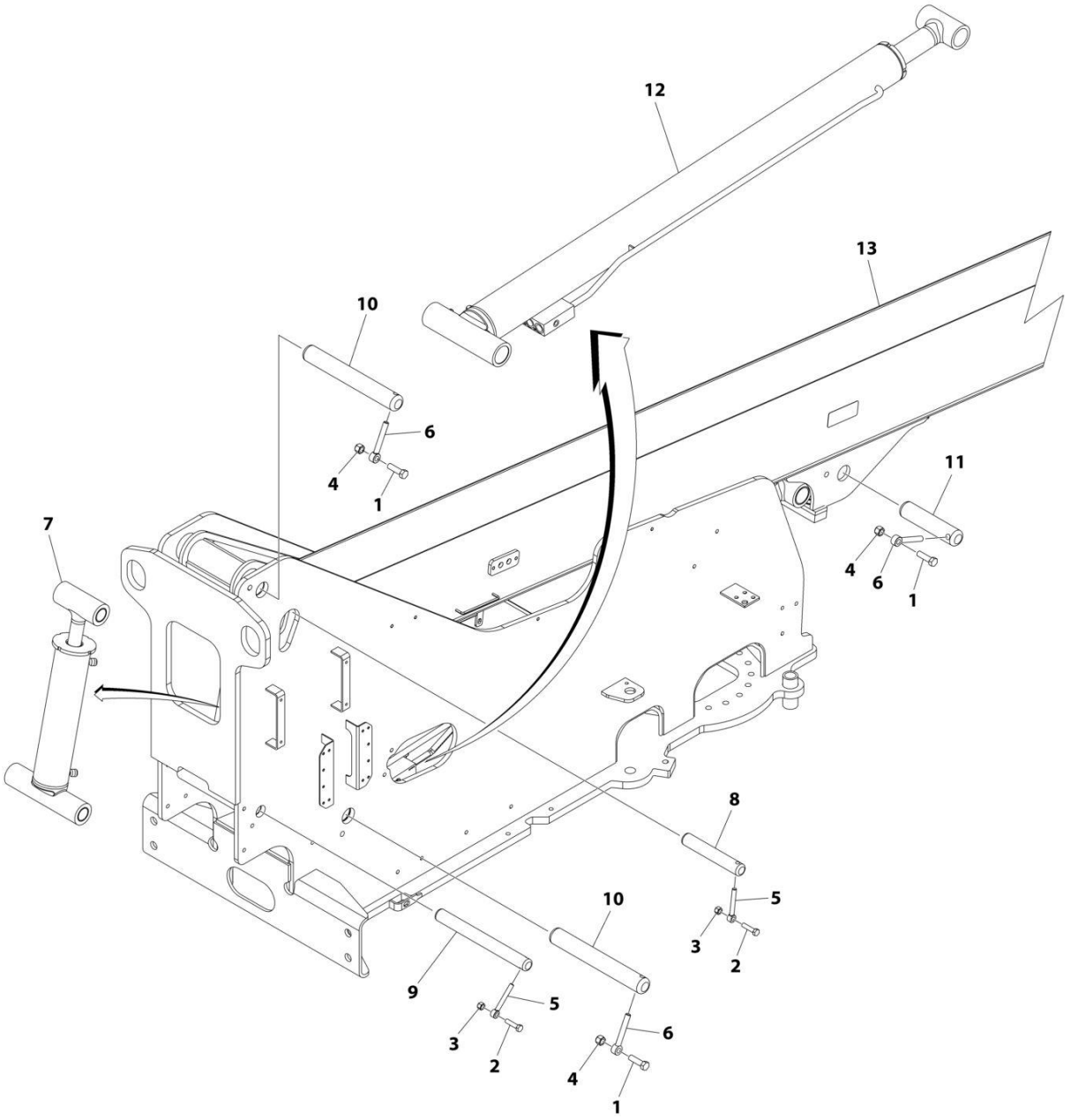


FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION (400S)

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 (460SJ)

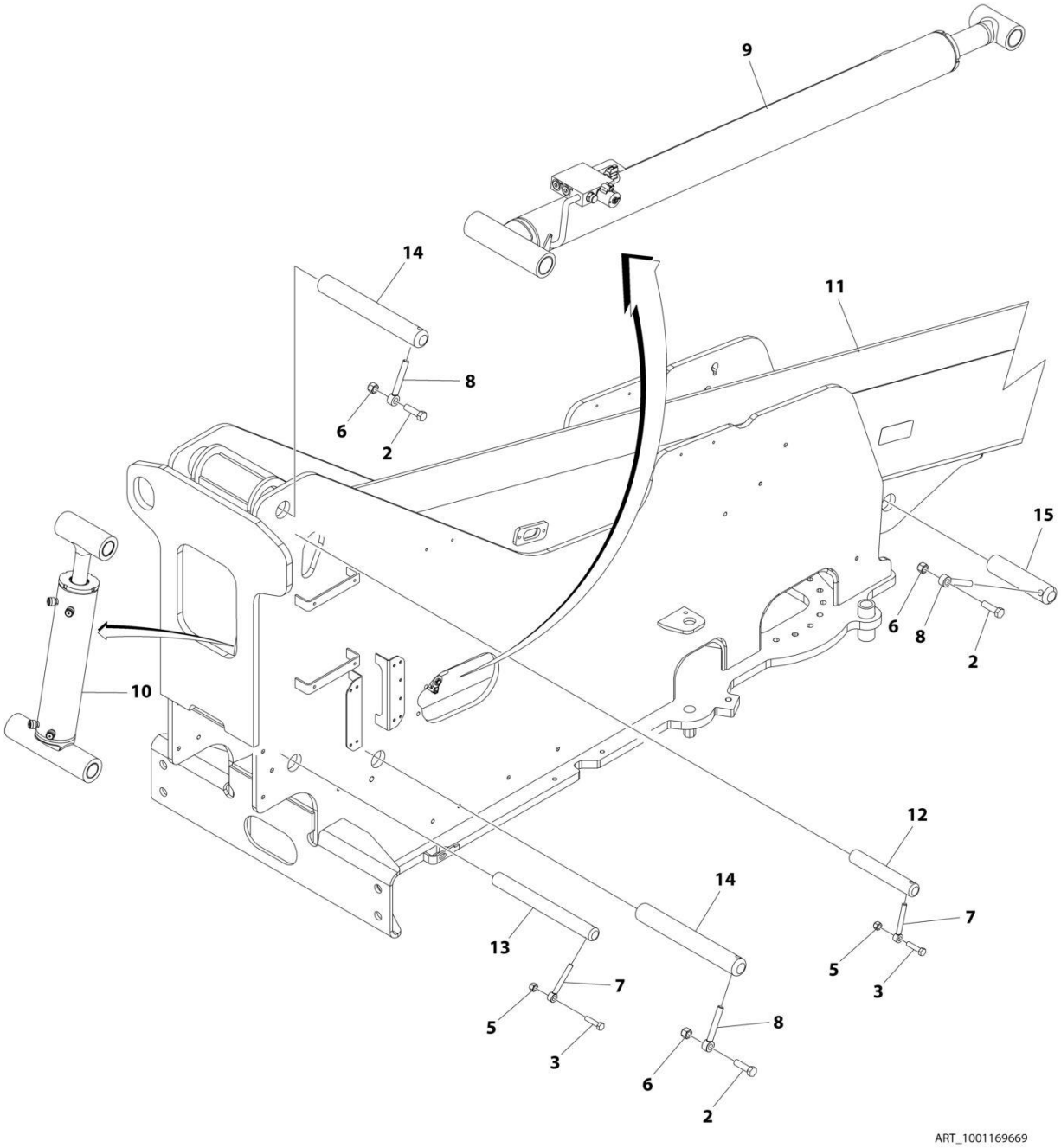


FIGURE 4-2. BOOM AND CYLINDERS INSTALLATION (460SJ)

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. BOOM AND CYLINDERS INSTALLATION - 1K45FT (460SJ)

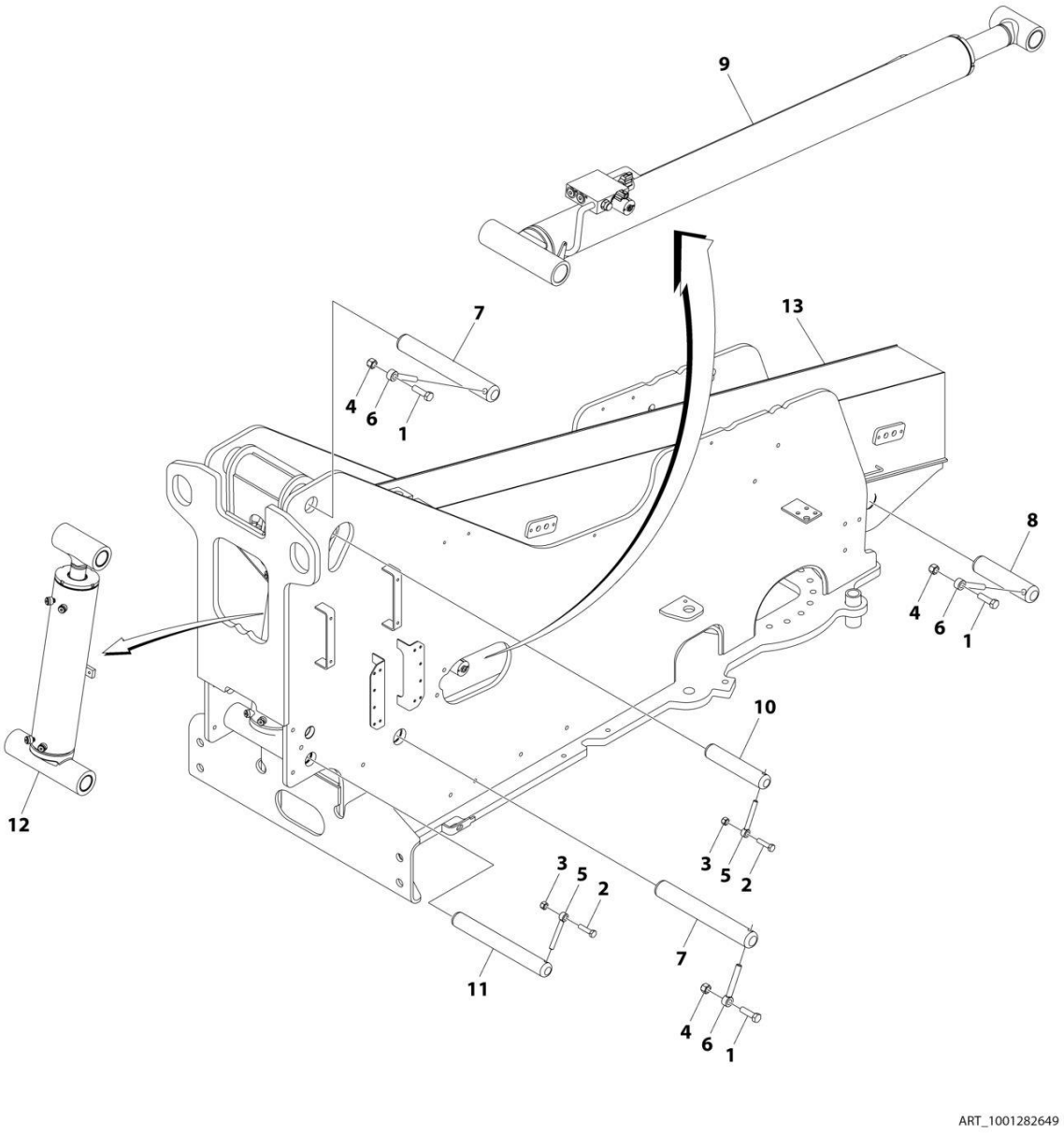


FIGURE 4-3. BOOM AND CYLINDERS INSTALLATION - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282649	Ref	BOOM AND CYLINDERS INSTALLATION	B
1	0701619	3	Bolt M16 x 55	
2	0761218	2	Bolt M12 x 50	
3	3291205	2	Nut M12	
4	3291605	3	Nut M16	
5	3841203	2	Keeper, Pin	
6	3841258	3	Keeper, Pin	
7	1001237143	2	Pin	
8	1001168854	1	Pin	
9	1001228092	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
10	1001237138	1	Pin	
11	1001237139	1	Pin	
12	1001237698	1	Master Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
13	1001281887	1	Main Boom Assembly (See Separate Breakdown in this Section)	

FIGURE 4-4. MAIN BOOM ASSEMBLY (400S)

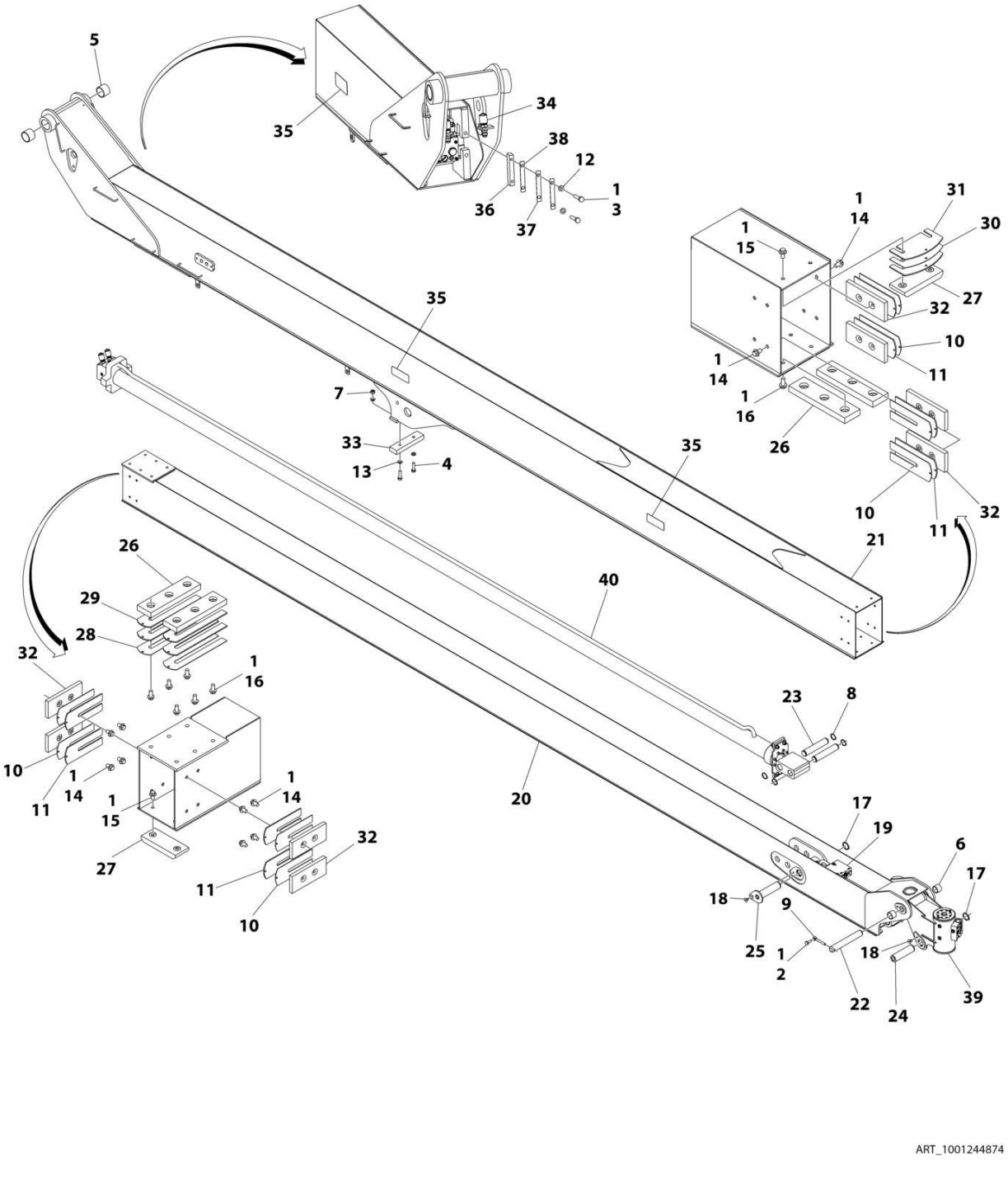


FIGURE 4-4. MAIN BOOM ASSEMBLY (400S)

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 4-5. MAIN BOOM ASSEMBLY (460SJ)

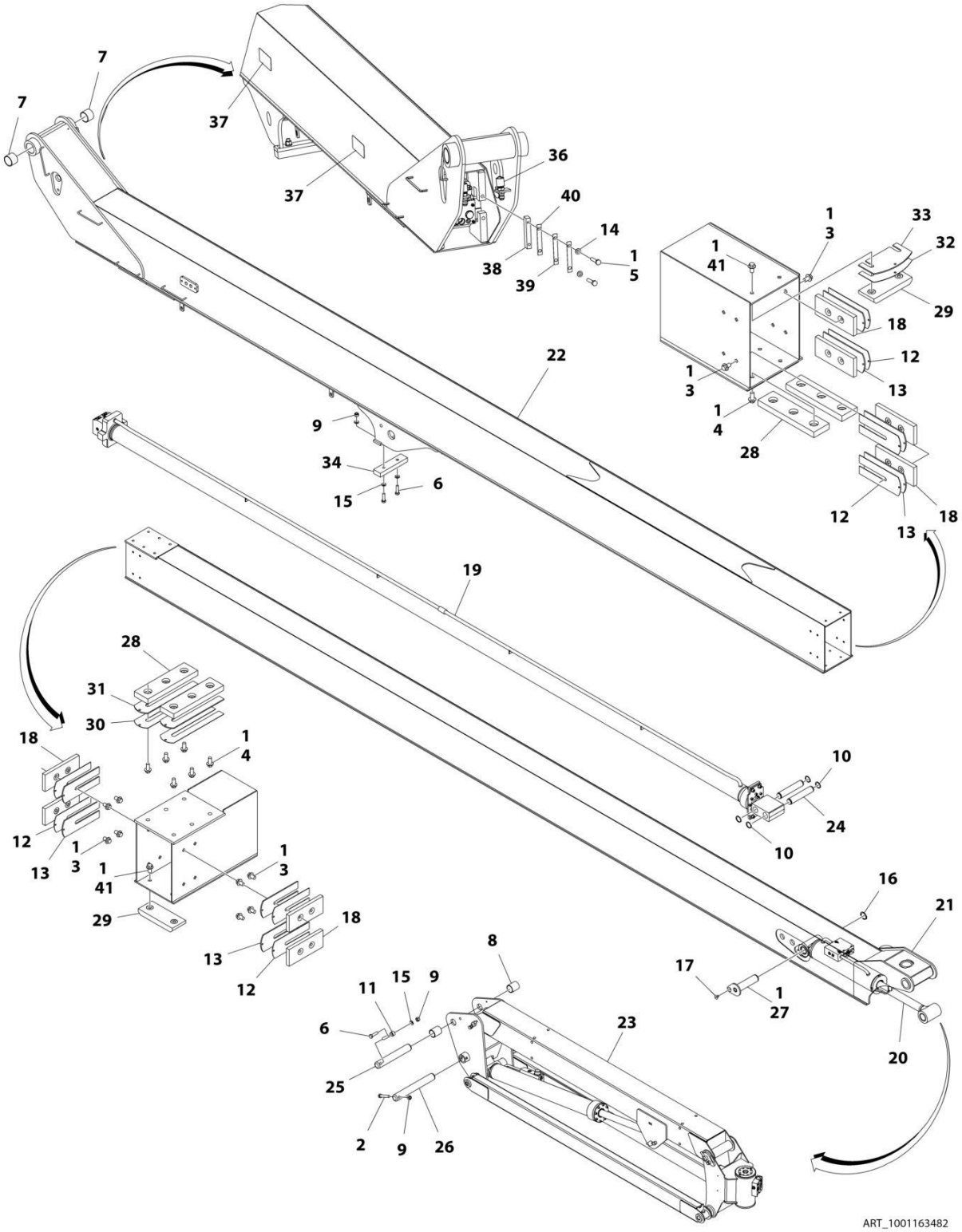


FIGURE 4-5. MAIN BOOM ASSEMBLY (460SJ)

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 4-6. MAIN BOOM ASSEMBLY - 1K45FT (460SJ)

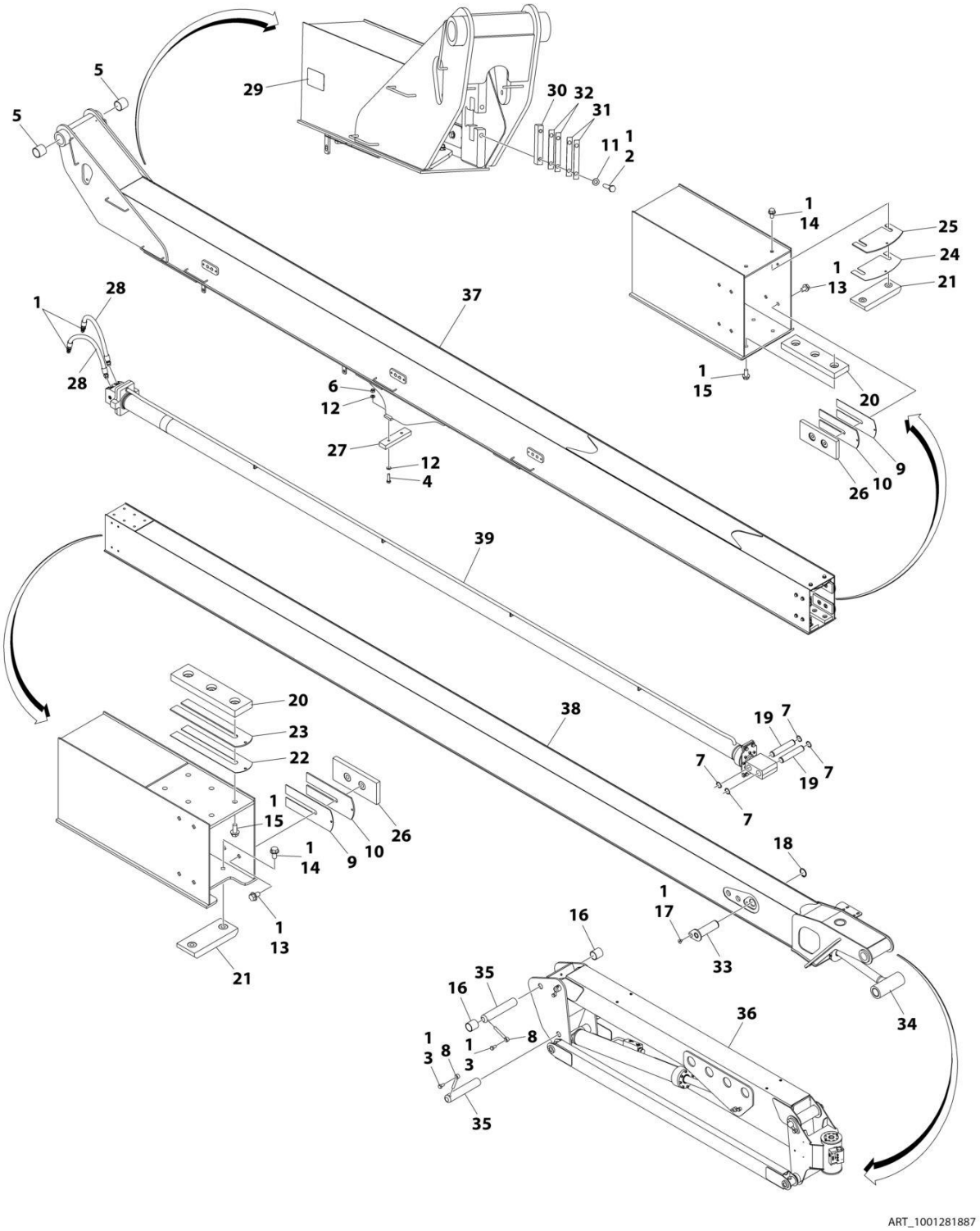


FIGURE 4-6. MAIN BOOM ASSEMBLY - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281887	Ref	MAIN BOOM ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0761019	4	Bolt M10 x 55	
3	0761212	2	Bolt M12 x 25	
4	0761217	2	Bolt M12 x 45	
5	0962036	2	Bush	
6	3291205	2	Nut M12	
7	3760133	4	Ring	
8	3841203	2	Keeper, Pin	
9	4070897	AR	Shim 18 Ga	
10	4070898	AR	Shim 11 Ga	
11	4812000	4	Washer M10	
12	4812100	4	Washer M12	
13	5251008	16	Bolt M10 x 16	
14	5251009	4	Bolt M10 x 18	
15	5251011	12	Bolt M10 x 22	
16	1001118666	2	Bearing	
17	1001137032	1	Screw M10 x 16	
18	1001138671	1	Ring	
19	1001168842	2	Pin	
20	1001169284	4	Pad	
21	1001169285	2	Pad	
22	1001169286	AR	Shim	
23	1001169287	AR	Shim	
24	1001169288	AR	Shim	
25	1001169289	AR	Shim	
26	1001169380	8	Pad	
27	1001171067	1	Pad	
28	1001171112	2	Hose	
29	1001171324	5	Cover	
30	1001171667	2	Bar	
31	1001171966	AR	Shim 20Ga	
32	1001171967	AR	Shim 16Ga	
33	1001237142	1	Pin	
34	1001237697	1	Level Cylinder Assembly - Platform Slave (See Separate Breakdown in CYLINDER Section)	
35	1001237949	2	Pin	
36	1001238328	1	Jib Boom Assembly (See Separate Breakdown in this Section)	
37	1001281760	1	Boom, Base Weldment	
38	1001281886	1	Boom, Fly Weldment	
39	1001282095	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	

FIGURE 4-7. JIB BOOM ASSEMBLY (460SJ)

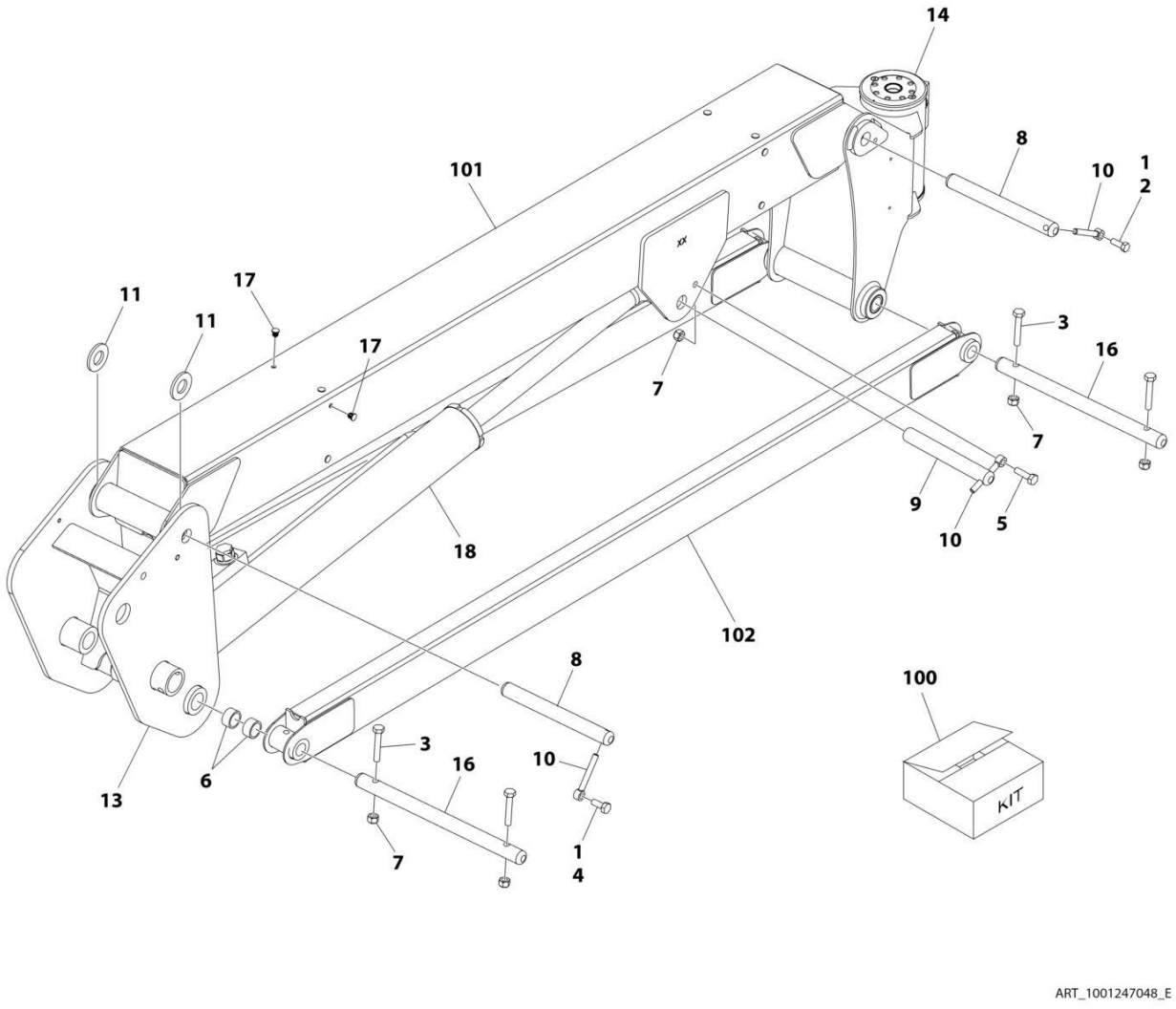


FIGURE 4-7. JIB BOOM ASSEMBLY (460SJ)

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

FIGURE 4-8. JIB BOOM ASSEMBLY - 1K45FT (460SJ)

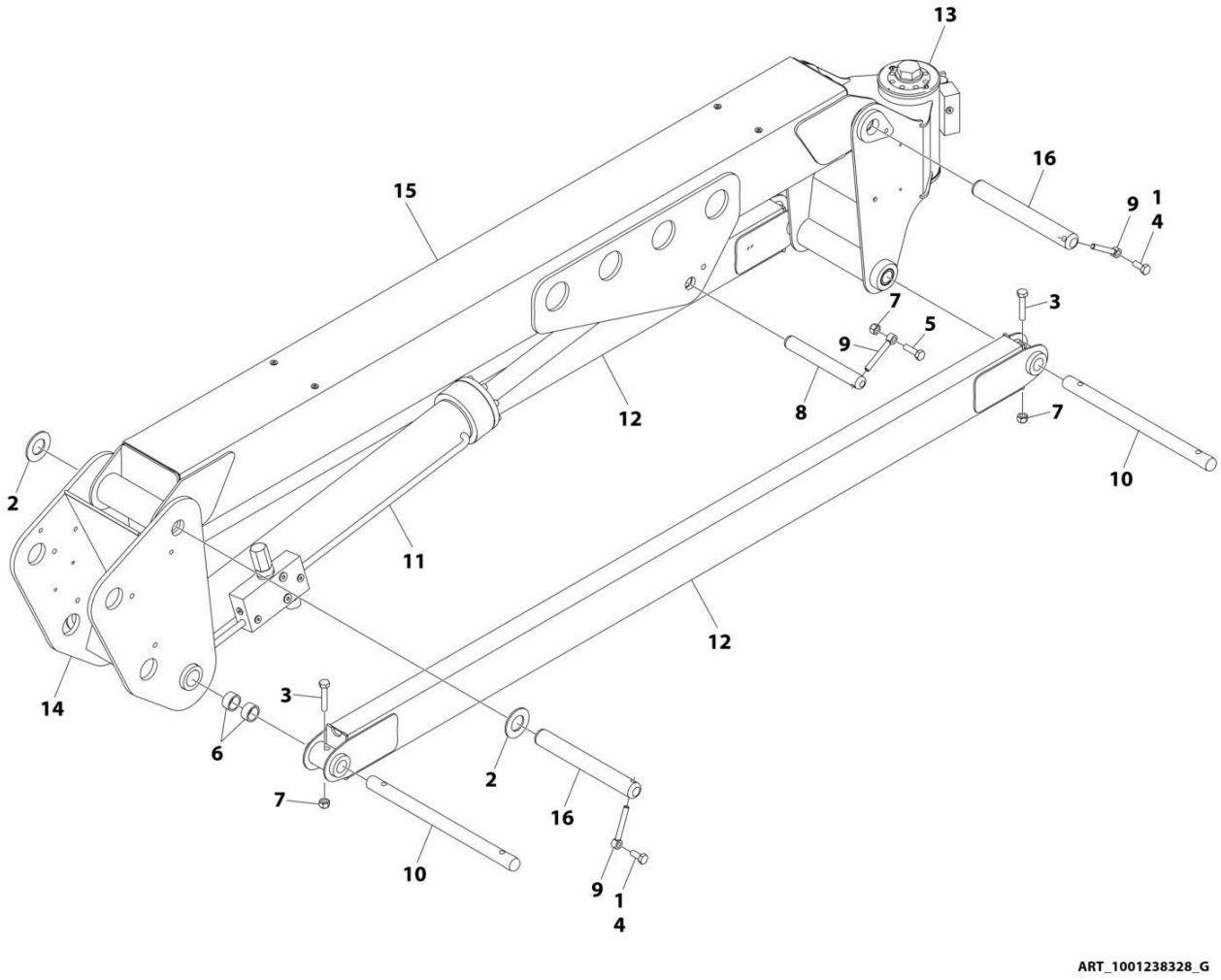


FIGURE 4-8. JIB BOOM ASSEMBLY - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238328	Ref	JIB BOOM ASSEMBLY	G
1	0100011	AR	Compound, Locking	
2	0440237	1	Thrustwasher	
3	0701020	1	Bolt M10 x 60	
4	0761012	2	Bolt M10 x 25	
5	0761015	1	Bolt M10 x 35	
6	1001134289	4	Bearing	
7	3291005	5	Nut M10	
8	3422867	1	Pin	
9	3841143	3	Keeper, Pin	
10	3422861	1	Pin	
11	1001264991	1	Lift Cylinder Assembly - Jib (See Separate Breakdown in CYLINDER Section)	
12	4844817	1	Link	
13	1001234811	1	Rotator Assembly (See Separate Breakdown in this Section)	
14	1001238168	1	Pivot	
15	1001238333	1	Tube (Upper)	
16	1001238398	2	Pin	

FIGURE 4-9. ROTATOR ASSEMBLY (400S)

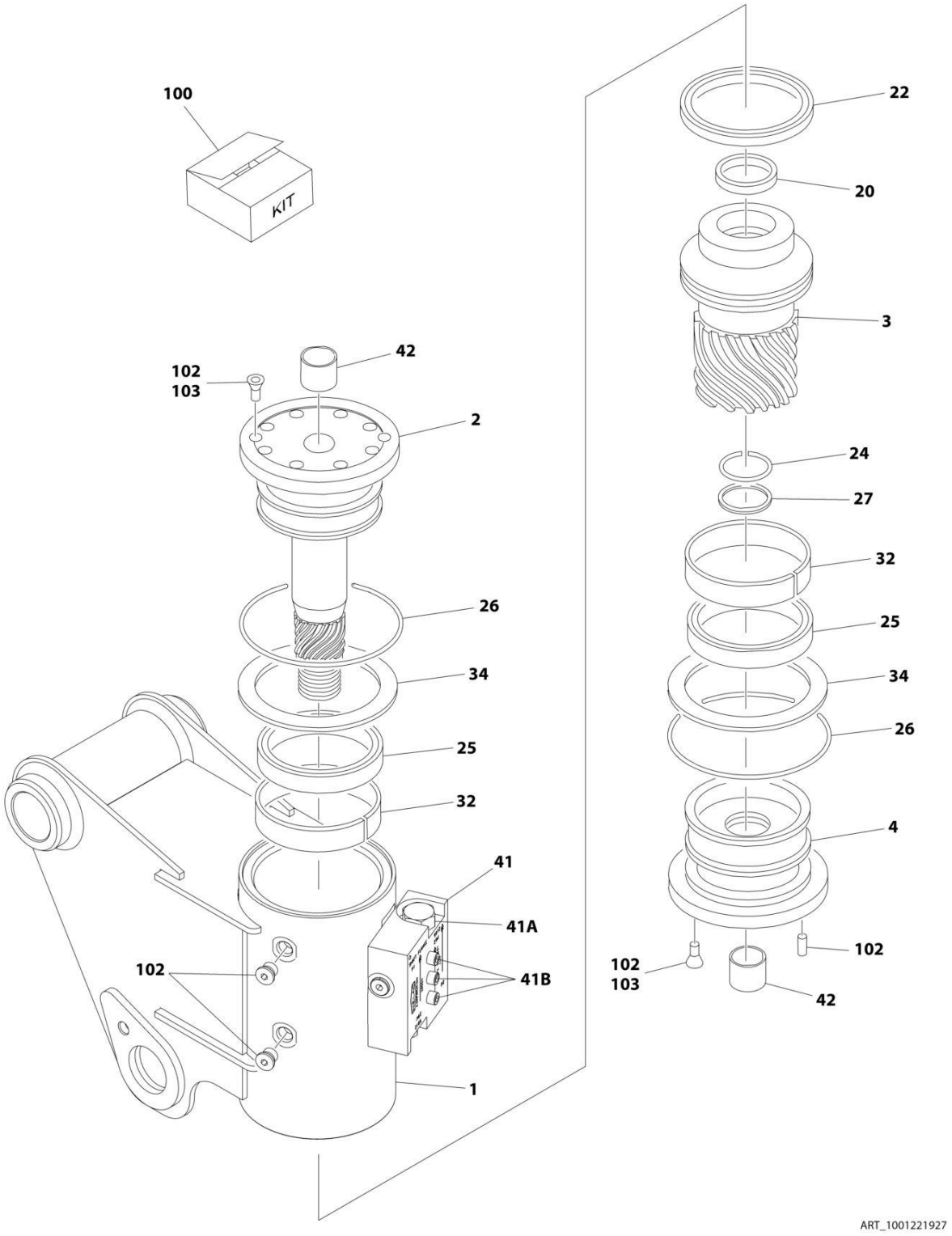


FIGURE 4-9. ROTATOR ASSEMBLY (400S)

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 4-10. ROTATOR ASSEMBLY (460SJ)

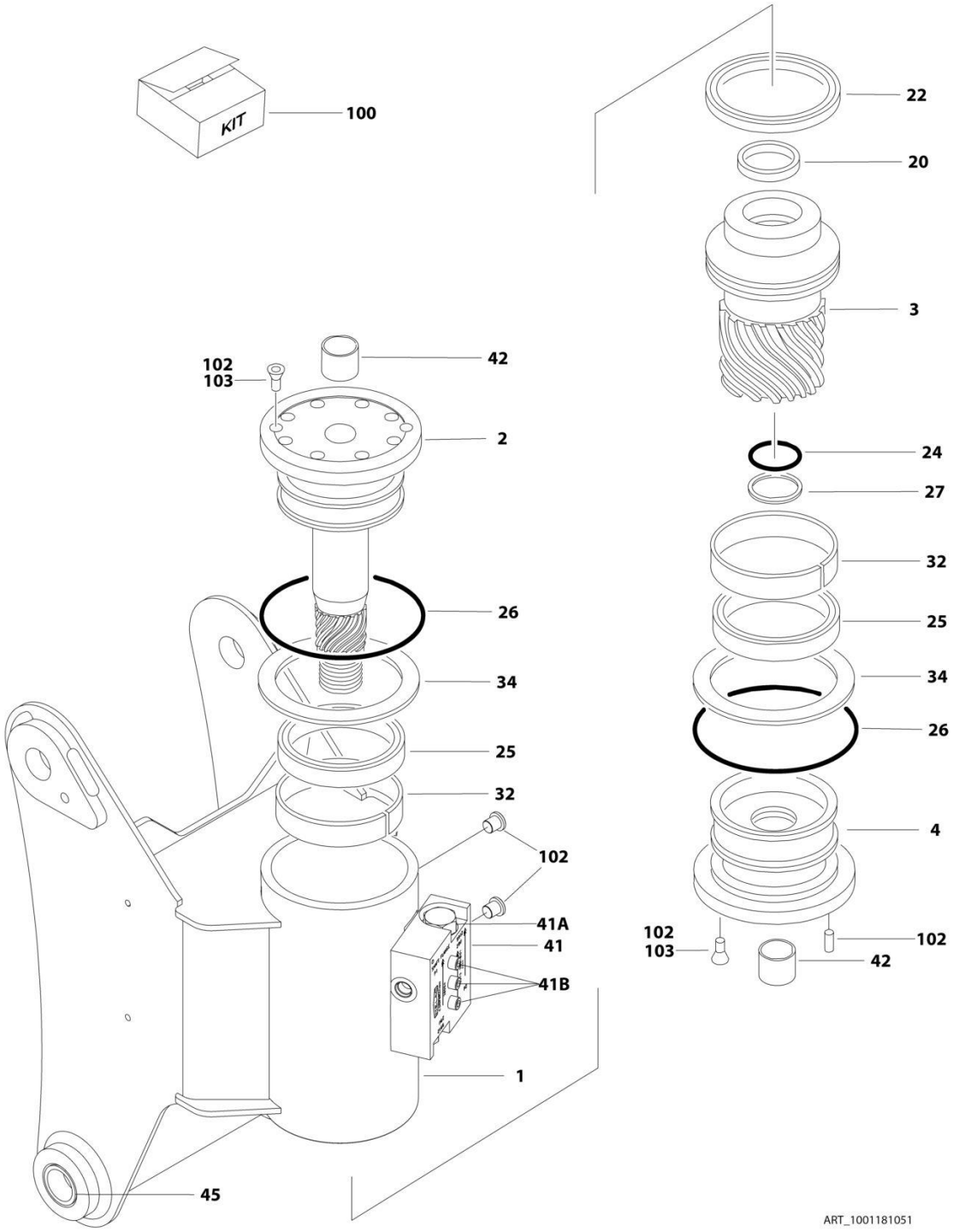


FIGURE 4-10. ROTATOR ASSEMBLY (460SJ)

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 4-11. ROTATOR ASSEMBLY - 1K45FT (460SJ)

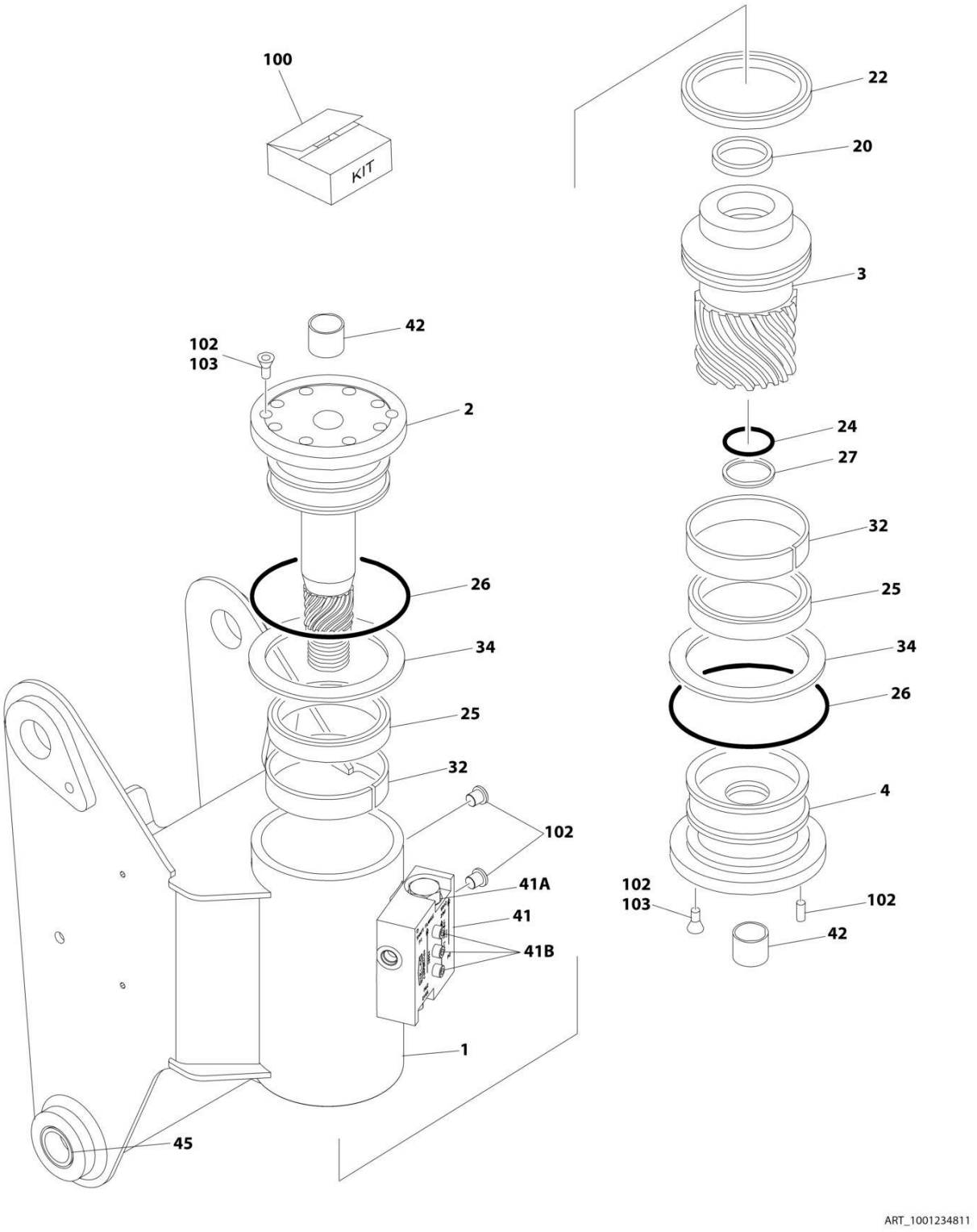


FIGURE 4-11. ROTATOR ASSEMBLY - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234811	Ref	ROTATOR ASSEMBLY	B
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	0961947	2	Bushing 1IN ID x 1.25IN OD x 5/8IN L	
45	1001134289	2	Bushing 1IN ID x 1.5IN OD x 1IN L	
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 4-12. POWER TRACK INSTALLATION

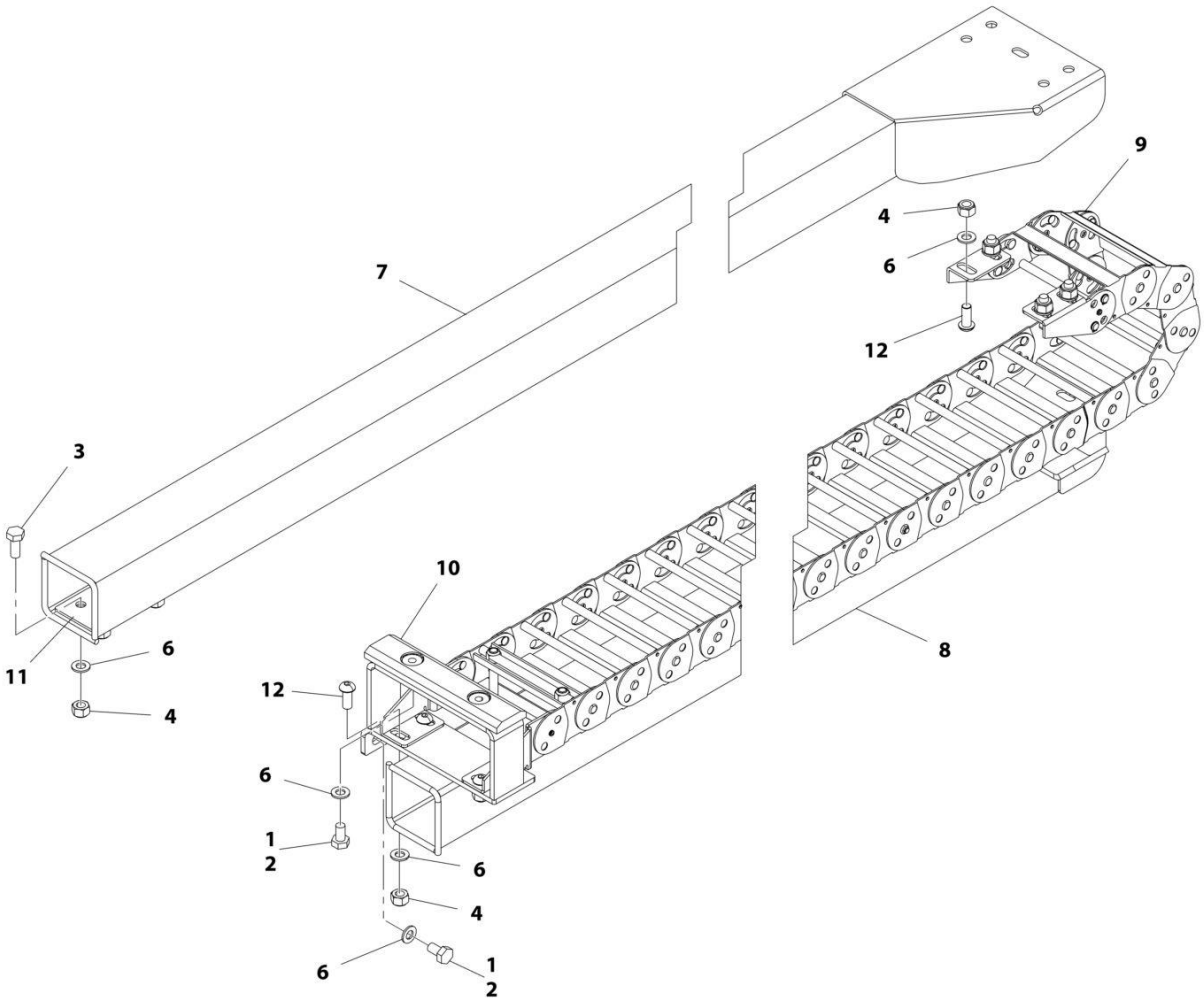


FIGURE 4-12. POWER TRACK INSTALLATION

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

FIGURE 4-13. POWER TRACK INSTALLATION - 1K45FT (460SJ)

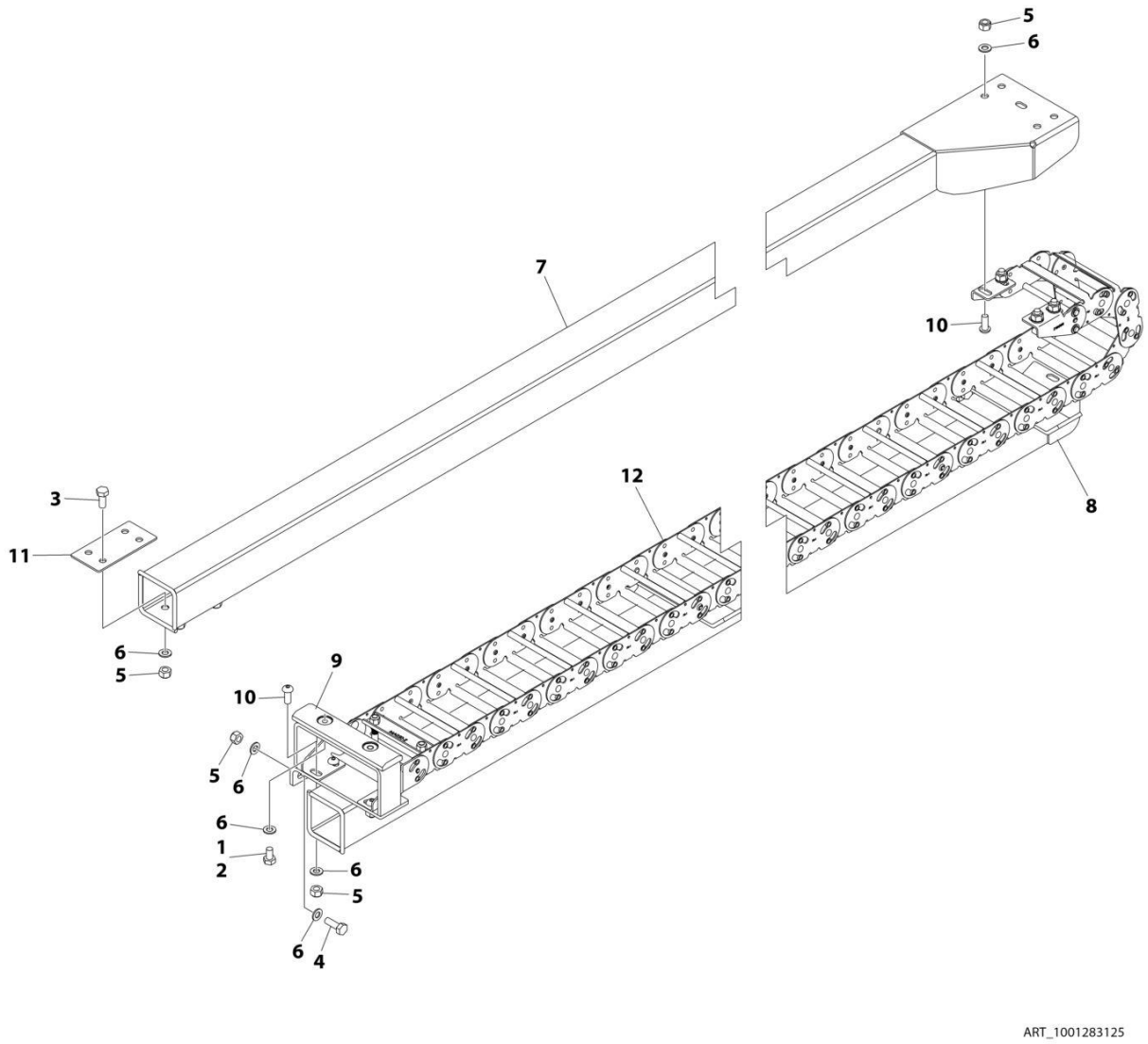


FIGURE 4-13. POWER TRACK INSTALLATION - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283125	Ref	POWER TRACK INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0761009	2	Bolt M10 x 18	
3	0761012	4	Bolt M10 x 25	
4	0761014	8	Bolt M10 x 30	
5	3291005	20	Nut M10	
6	4812000	30	Washer M10	
7	1001165531	1	Tube, Push	
8	1001165534	1	Tube, Carrier	
9	1001169611	1	Pad, Wear	
10	1001173763	8	Screw M10 x 25	
11	1001176899	1	Plate, Support	
12	1001224888	1	Power Track	
12	70006255	1	Repair Section without Clamp - 10 Links	
12	70006270	1	Feet, Mounting (Includes 1 each Left and Right Mounting Feet)	

FIGURE 4-14. CAPACITY SWITCH INSTALLATION

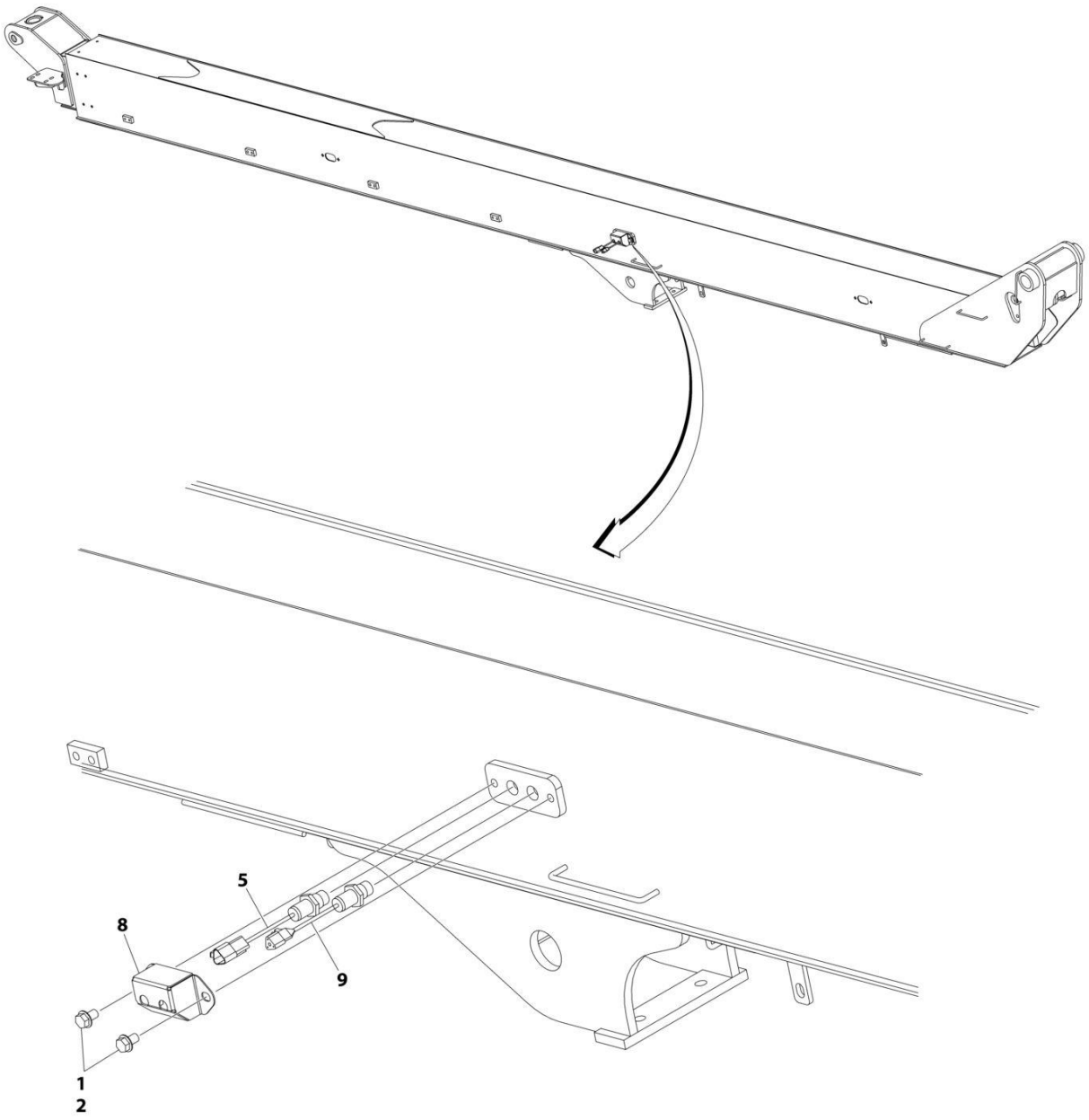


FIGURE 4-14. CAPACITY SWITCH INSTALLATION

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 4-15. CAPACITY SWITCH INSTALLATION - 1K45FT (460SJ)

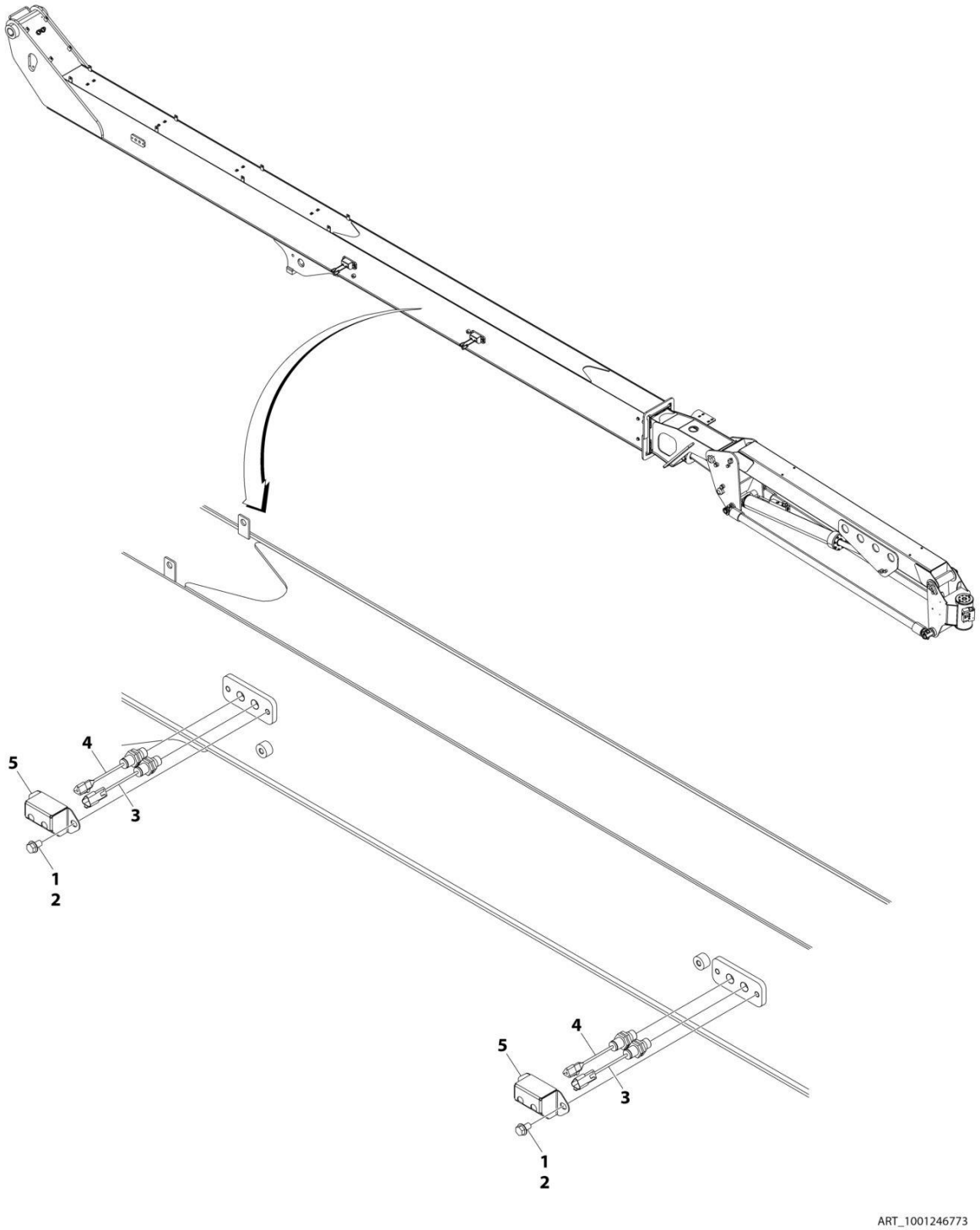


FIGURE 4-15. CAPACITY SWITCH INSTALLATION - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246773	Ref	CAPACITY SWITCH INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	5251008	4	Bolt M10 x 16	
3	1001170847	2	Sensor, Proximity	
3	4460536	1	Connector - 3 Position	
3	4460464	3	Pin, Male	
4	1001182570	2	Sensor, Proximity	
4	4460539	1	Connector 3 Position	
4	4460465	3	Socket, Female	
5	1001204715	2	Bracket, Cover	

FIGURE 4-16. TRANSPORT SWITCHES INSTALLATION

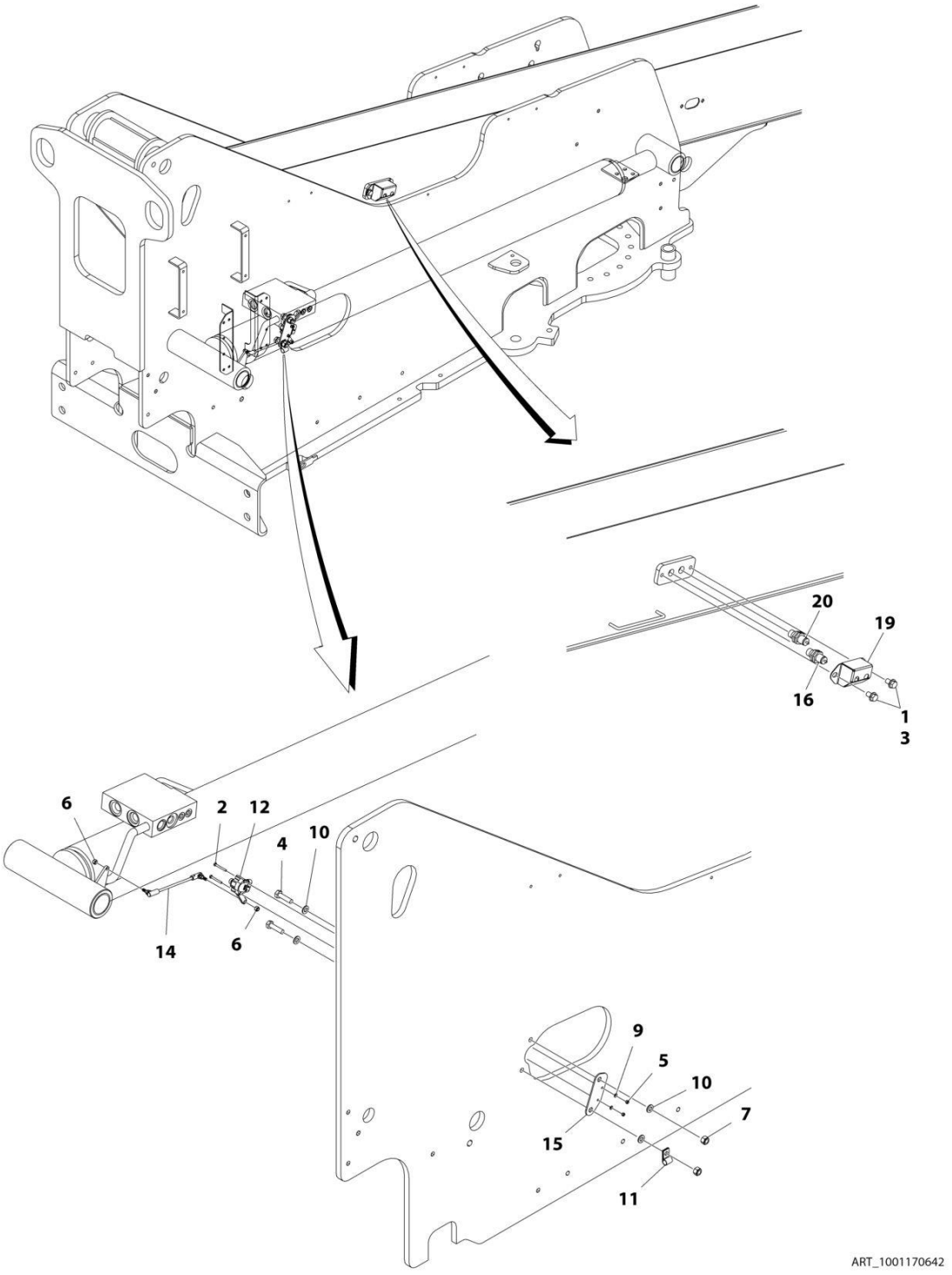


FIGURE 4-16. TRANSPORT SWITCHES INSTALLATION

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	

FIGURE 4-17. TRANSPORT SWITCHES INSTALLATION - 1K45FT (460SJ)

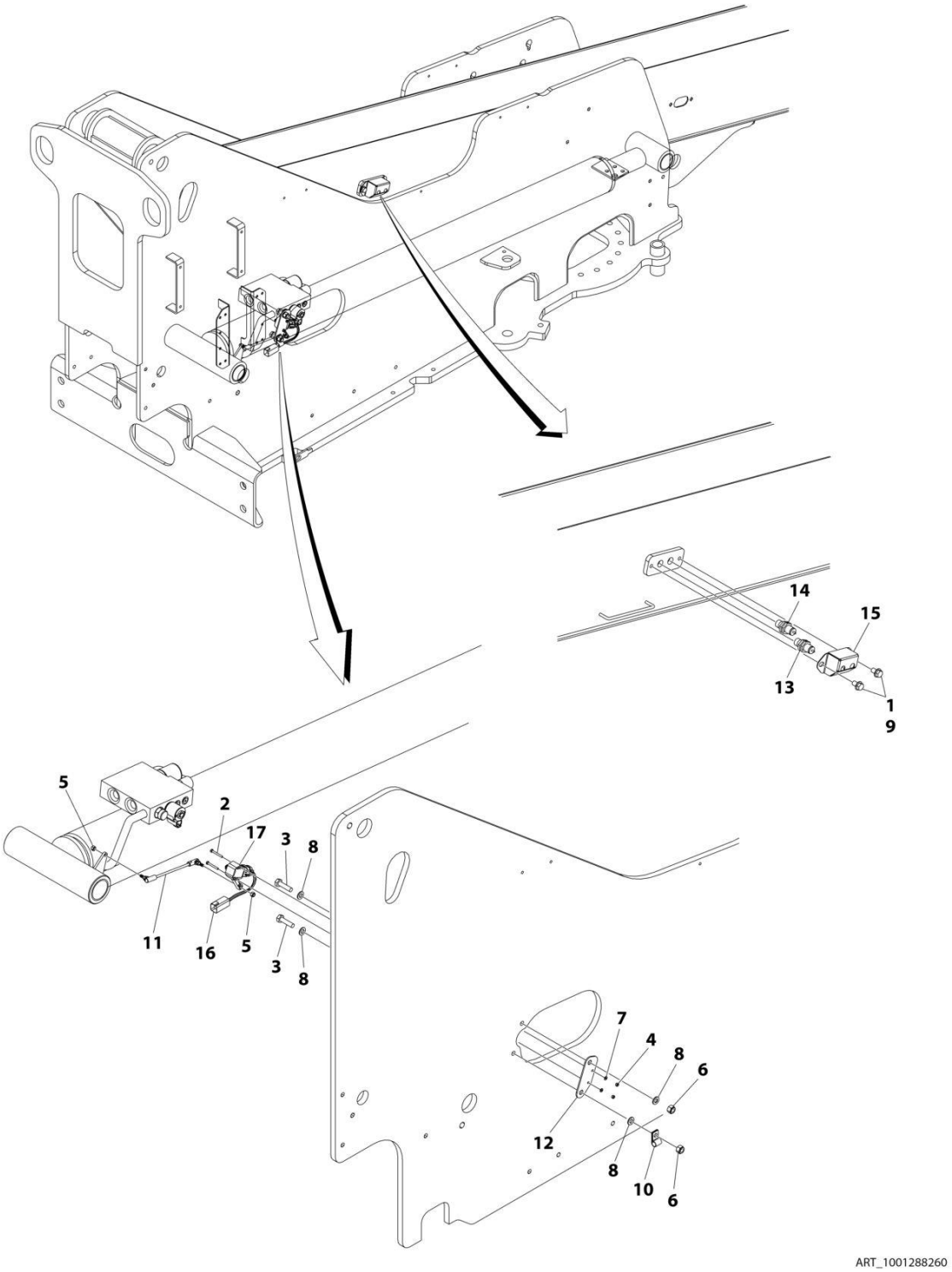


FIGURE 4-17. TRANSPORT SWITCHES INSTALLATION - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288260	Ref	TRANSPORT SWITCHES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0760415	2	Bolt M4 x 35	
3	0761016	2	Bolt M10 x 40	
4	3290405	2	Nut M4 x 0.7	
5	3290605	2	Nut M6 x 1	
6	3291005	2	Nut M10 x 1.5	
7	4811400	2	Washer M4	
8	4812000	4	Washer M10	
9	5251008	2	Bolt M10 x 16	
10	8406110	1	Clip	
11	1001170564	1	Link, Sensor	
12	1001170565	1	Bracket	
13	1001170847	1	Sensor, Proximity	
14	1001182570	1	Sensor, Proximity	
15	1001204715	1	Bracket, Switch Cover	
16	1001288196	1	Harness, Angle Sensor Jumper	
16	1001166816	1	Plug, Male - 6 Position (at Sensor)	
16	4460465	6	Socket, Female (at Sensor)	
16	4460899	1	Receptacle, Female - 6 Position (to Harness)	
16	4460464	6	Pin, Male (to Harness)	
17	1001288258	1	Sensor, Angle	

FIGURE 4-18. PLATFORM SUPPORT INSTALLATION

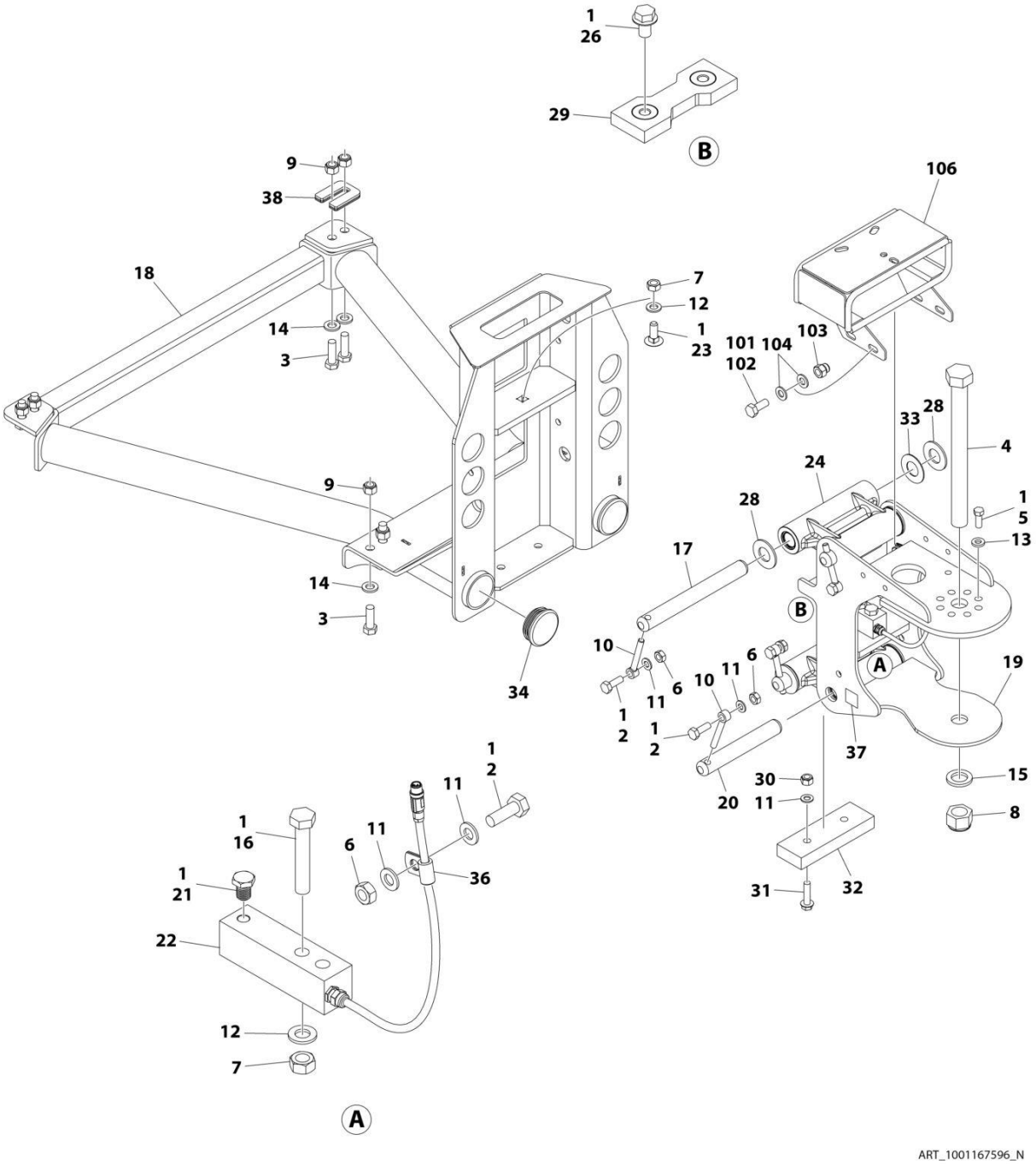


FIGURE 4-18. PLATFORM SUPPORT INSTALLATION

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

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.52M) WITH SWING GATE

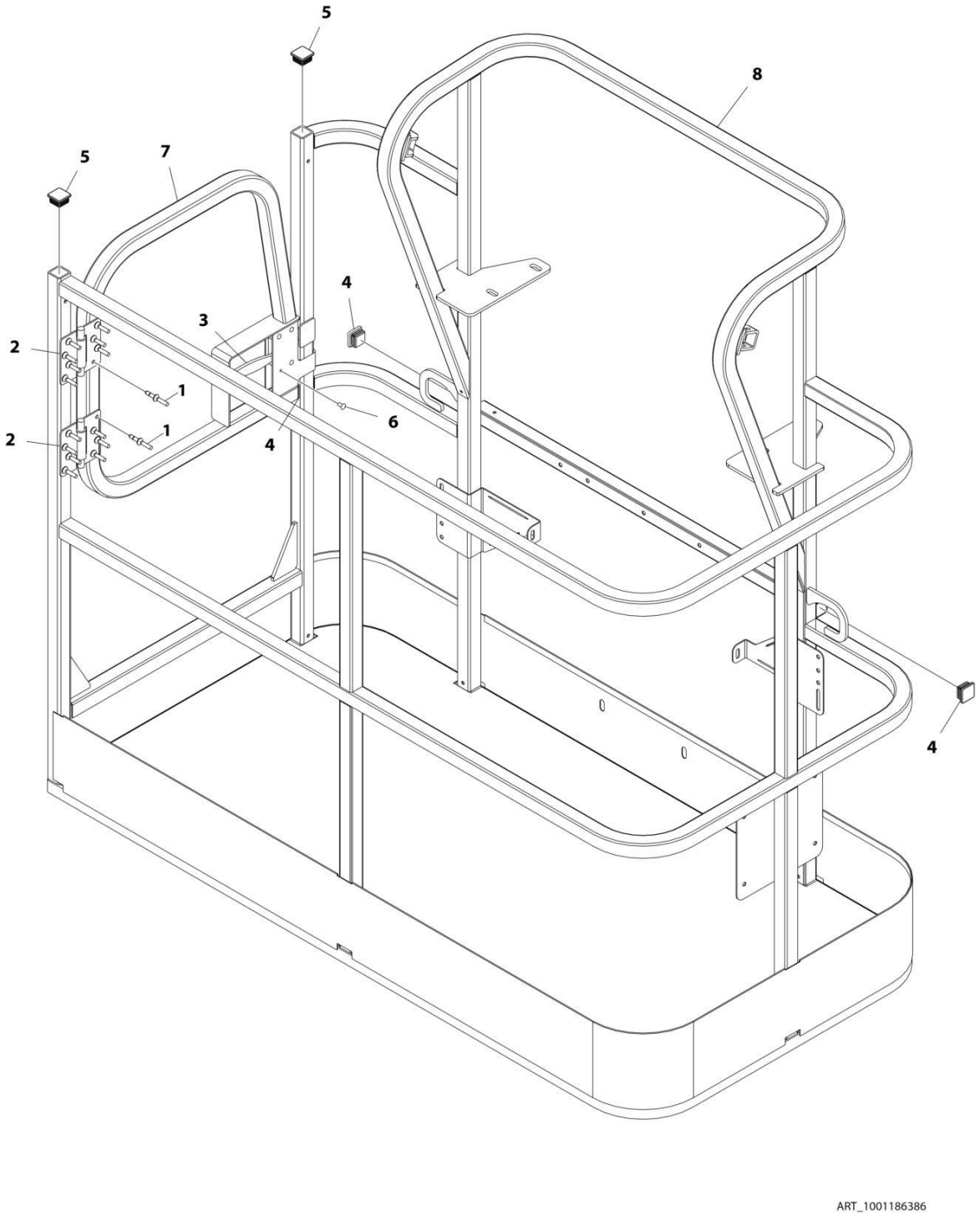


FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.52M) WITH SWING GATE

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

SECTION 5 - PLATFORM

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

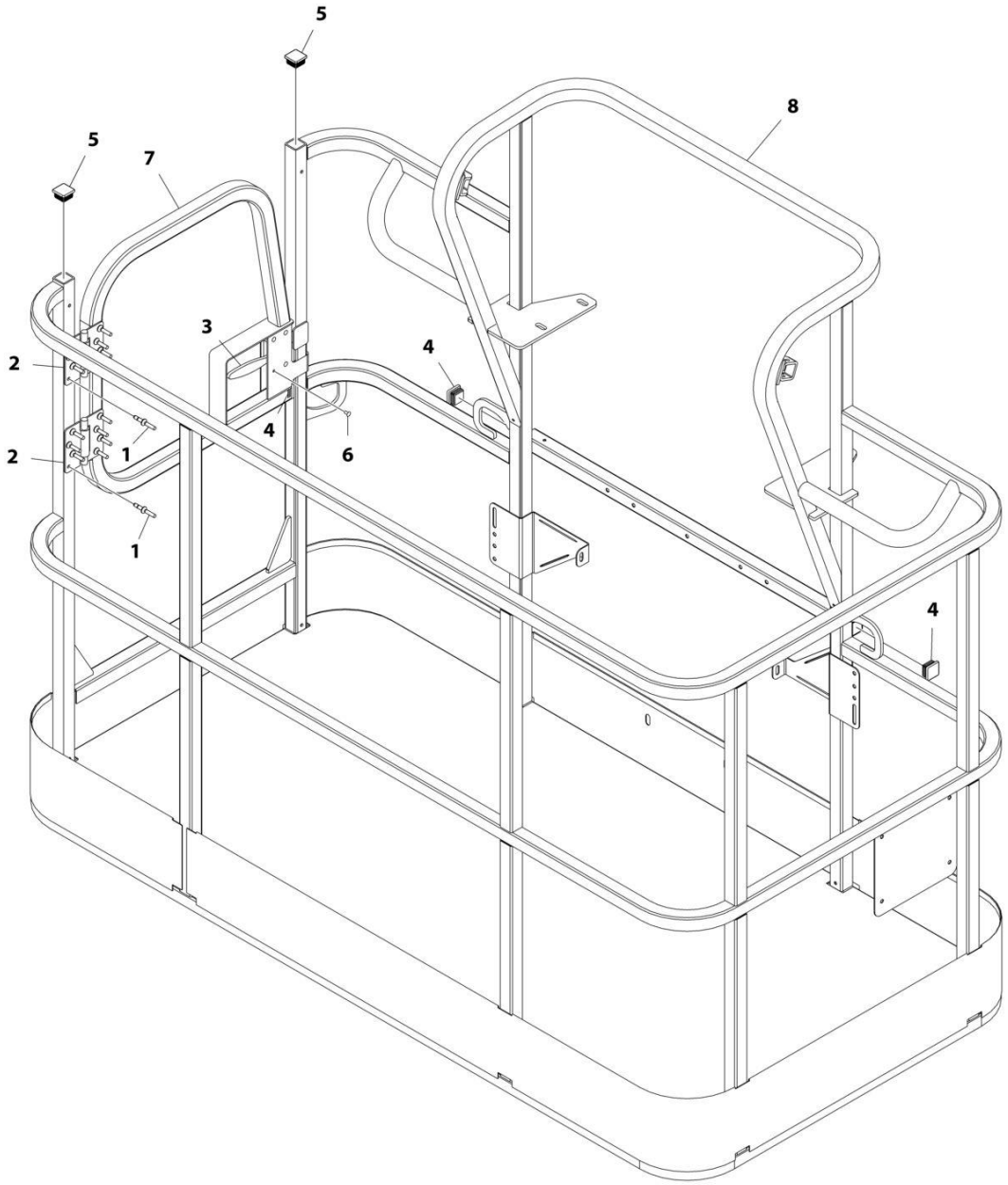


FIGURE 5-2. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE

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)	

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

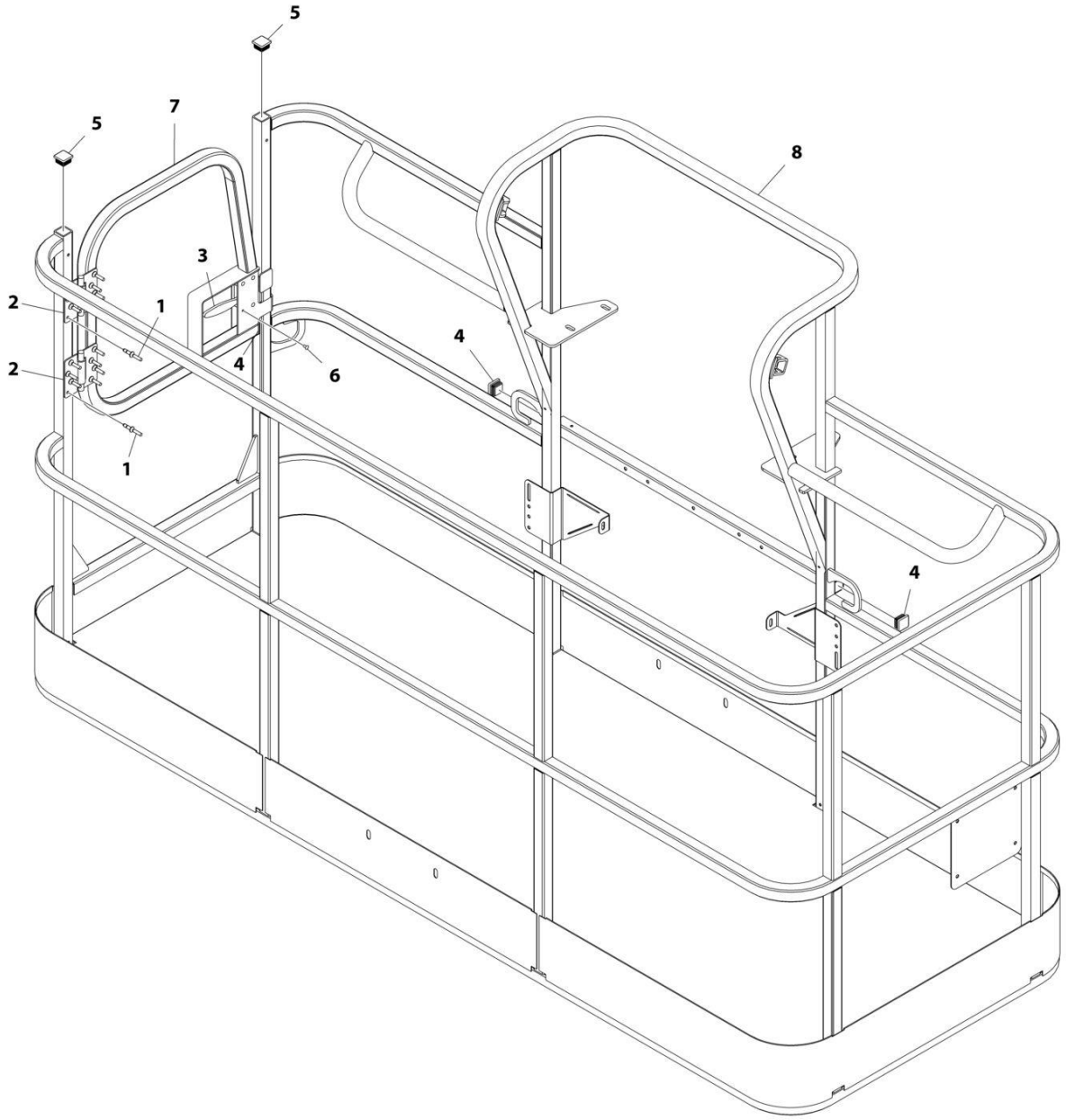


FIGURE 5-3. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE

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 5-4. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.52M) WITH DROP BAR

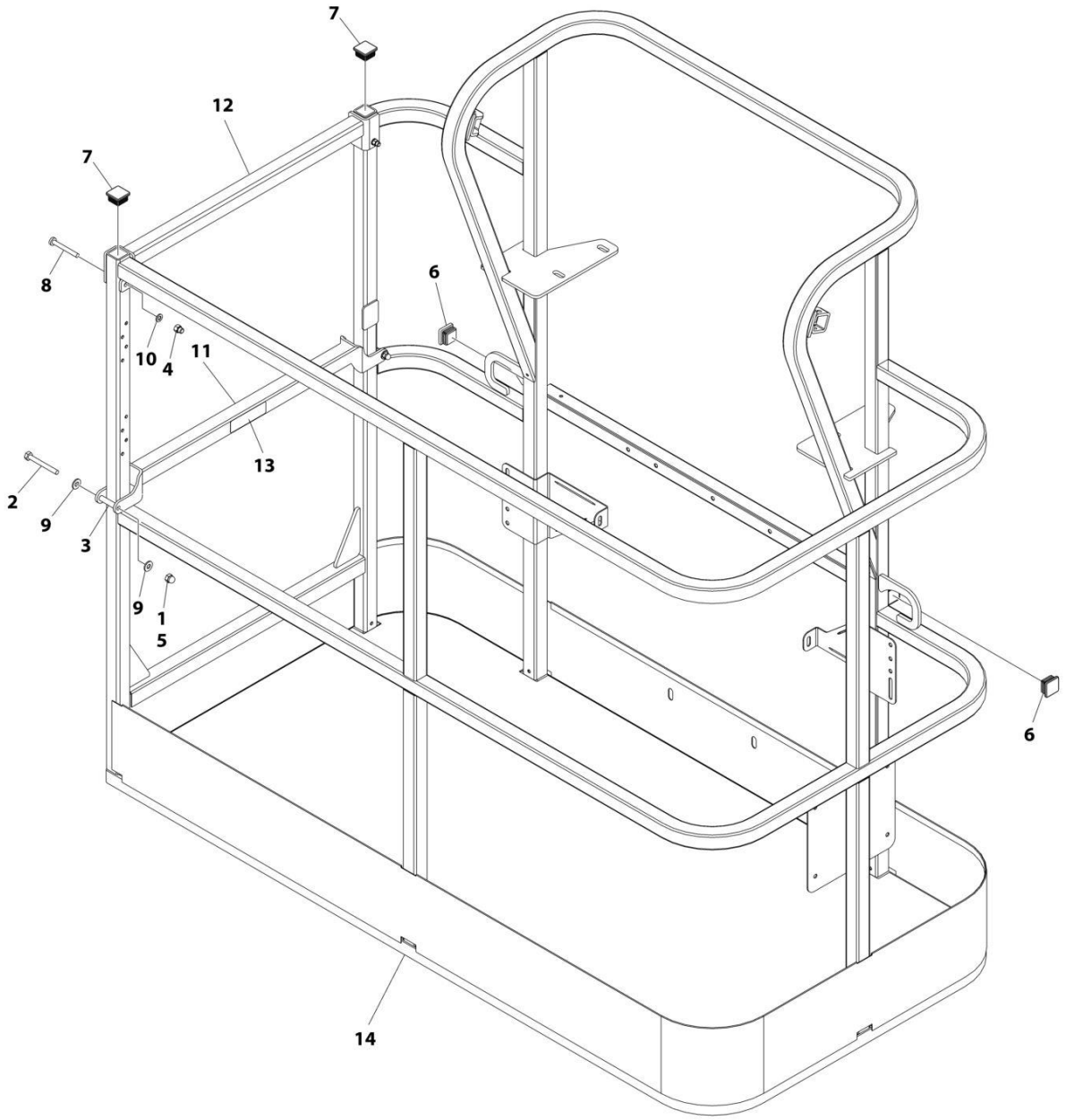


FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT (76.2CM X 1.52M) WITH DROP BAR

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

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

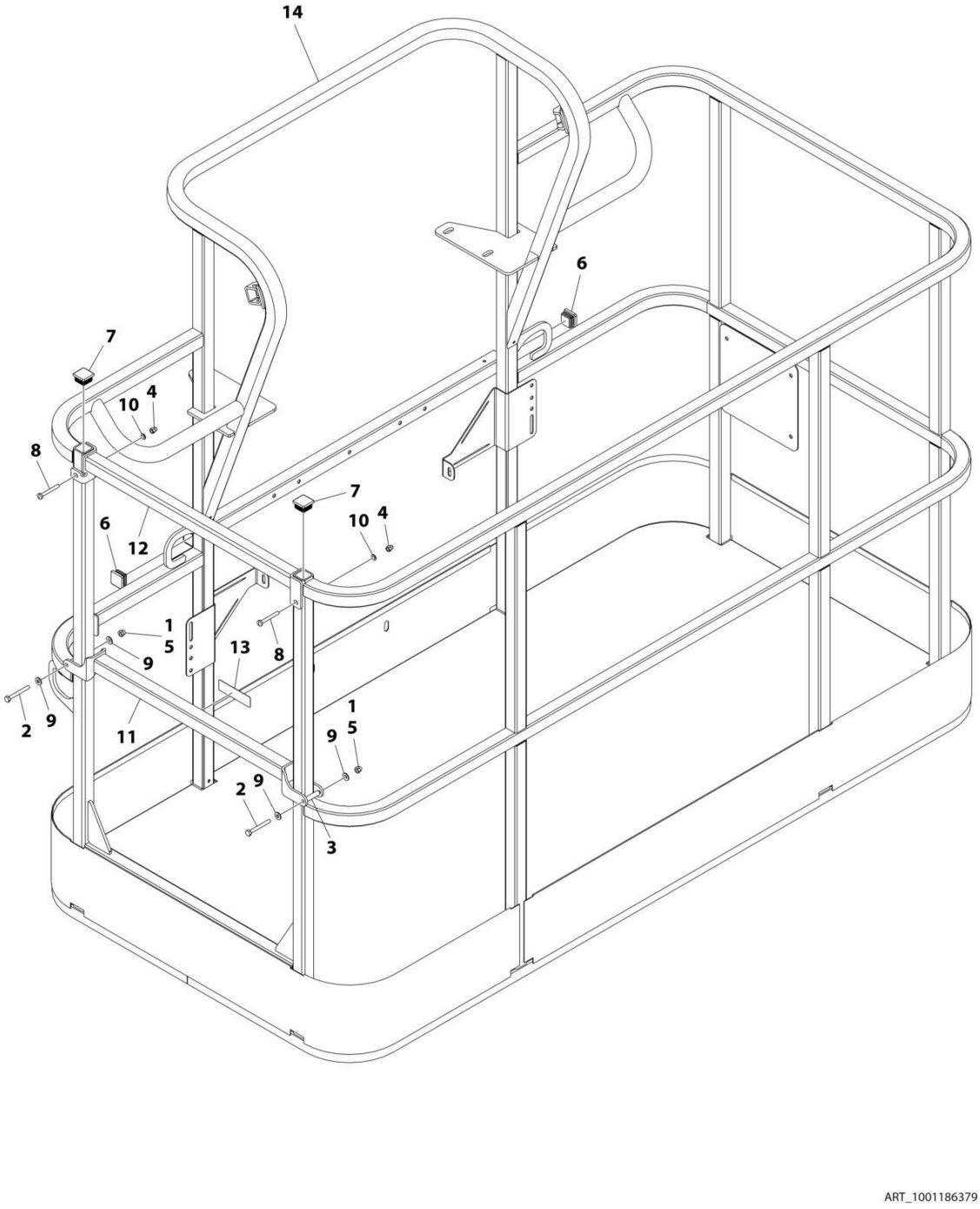


FIGURE 5-5. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR

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

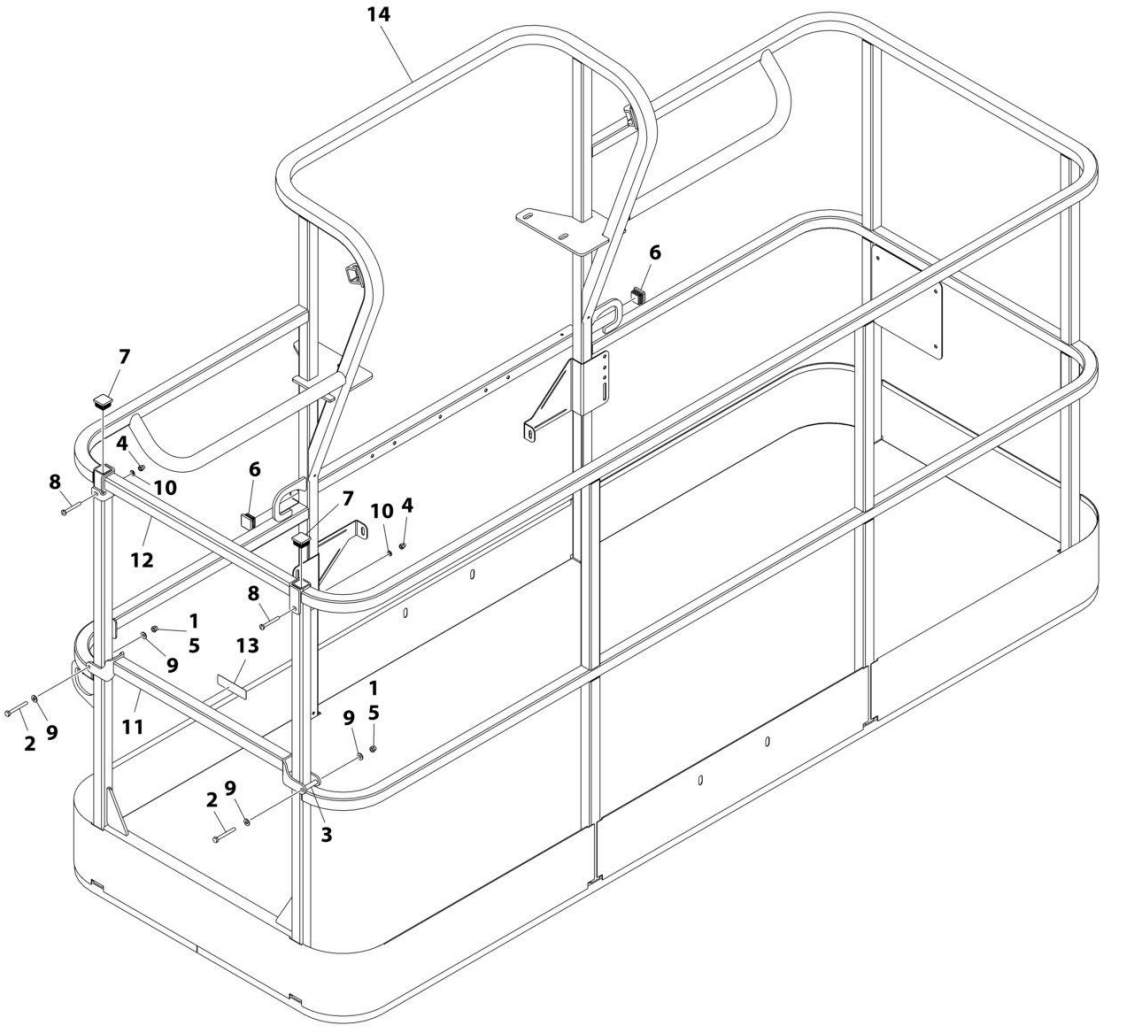


FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR

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)	

FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ALL SPECS EXCEPT CE AND AUSTRALIAN SPECS)

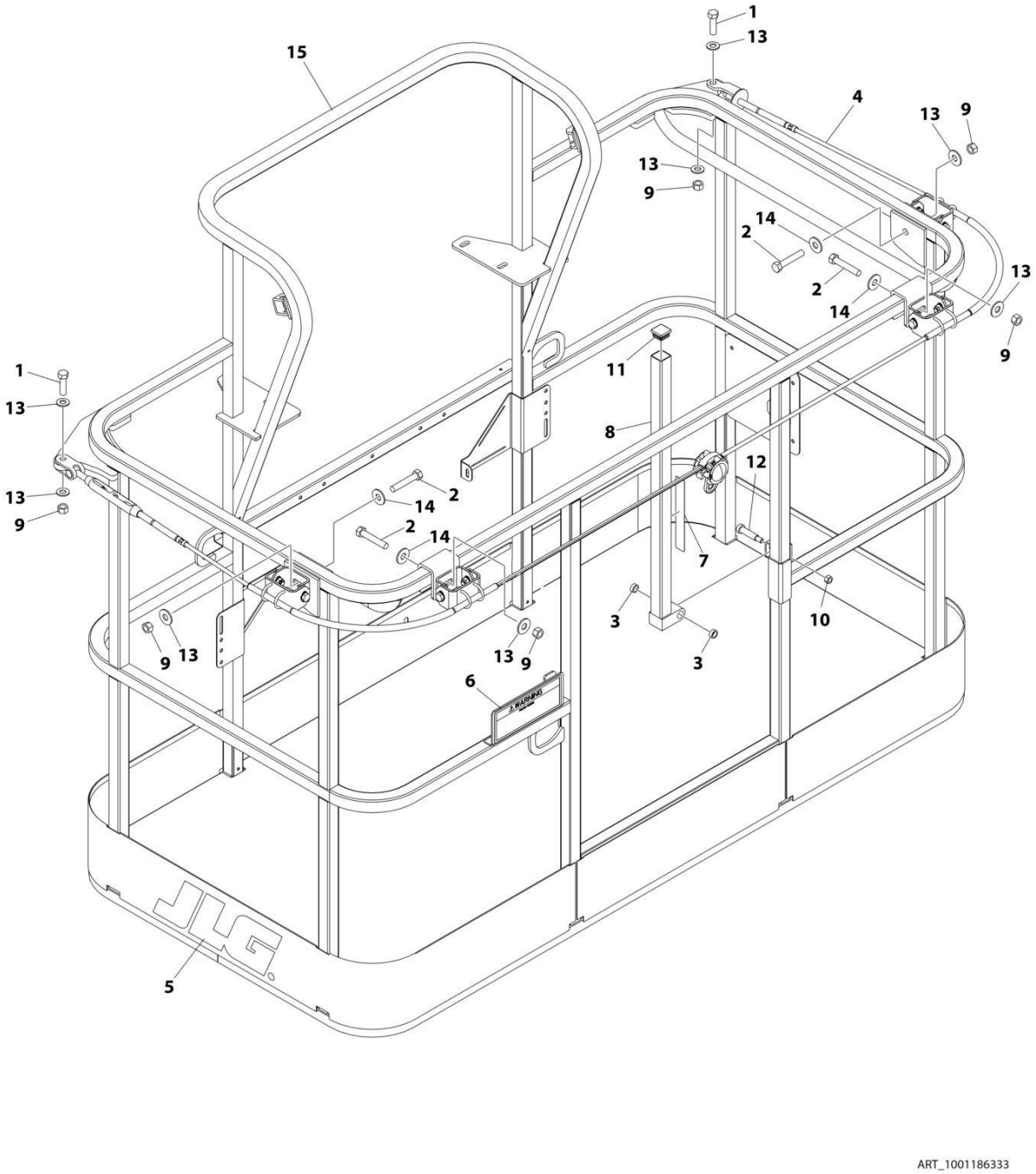


FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ALL SPECS EXCEPT CE AND AUSTRALIAN SPECS)

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

SECTION 5 - PLATFORM

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

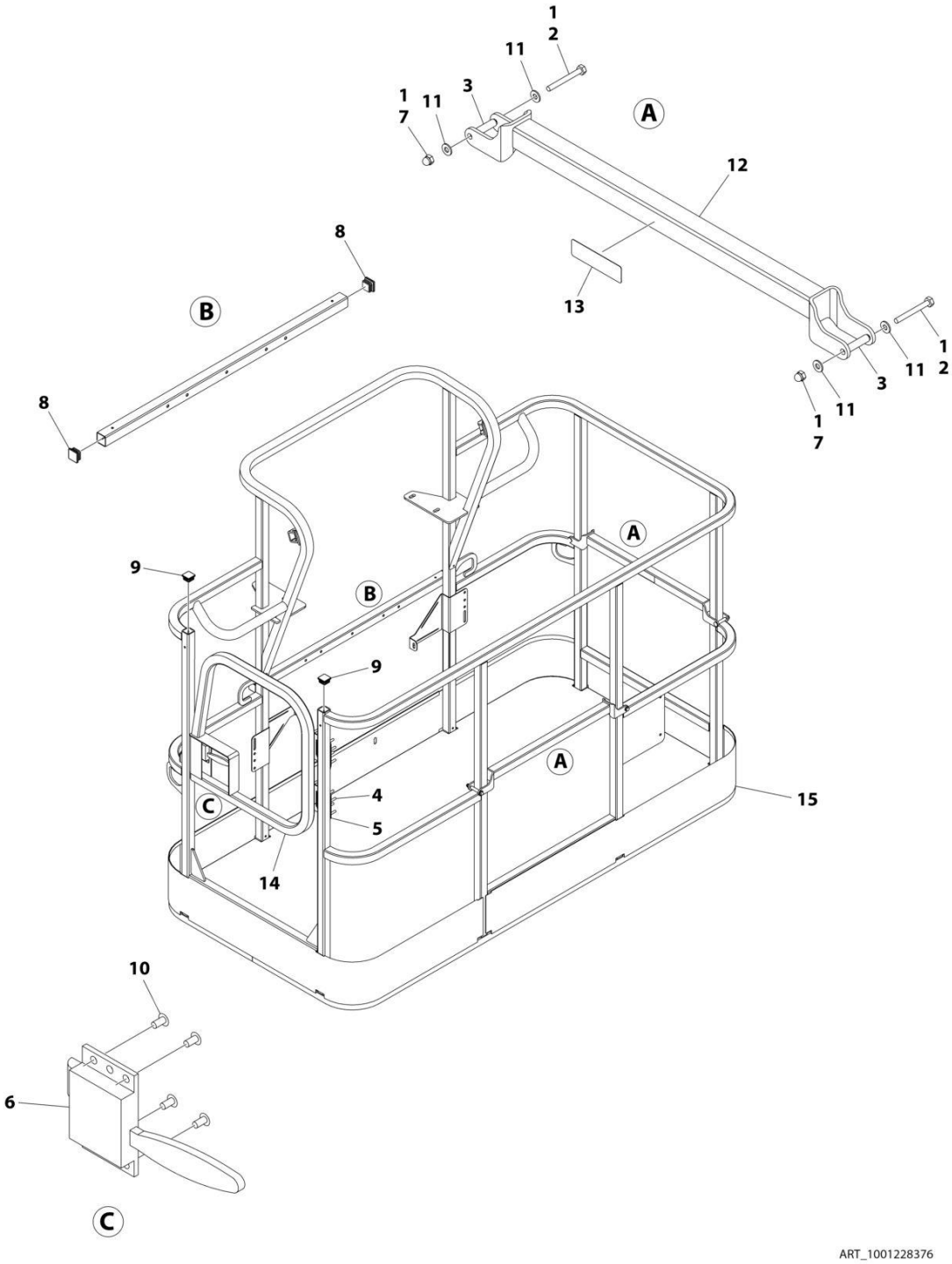


FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH GATE

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

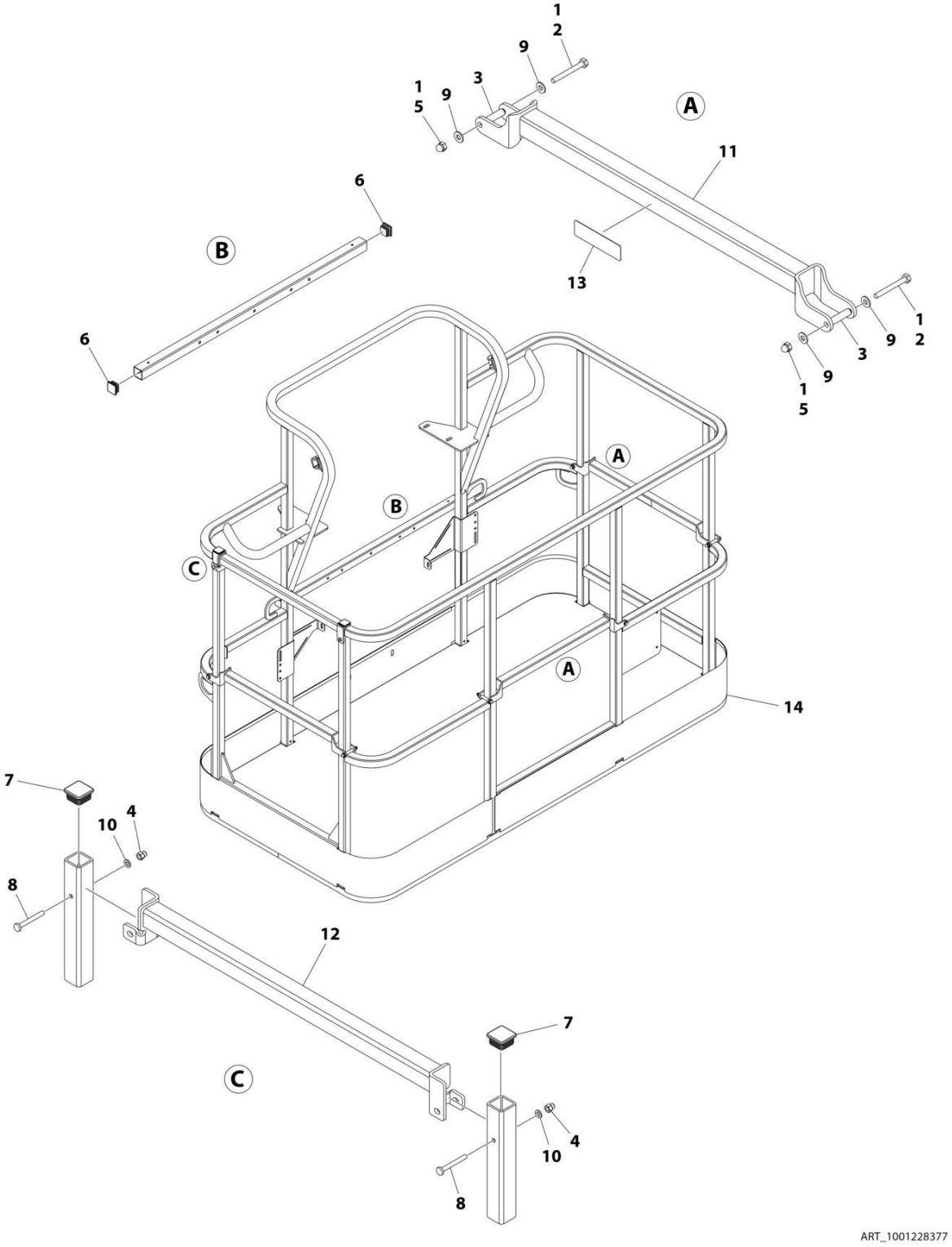


FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROPBAR

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)	

FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (1 GATE/2 DROP BARS)

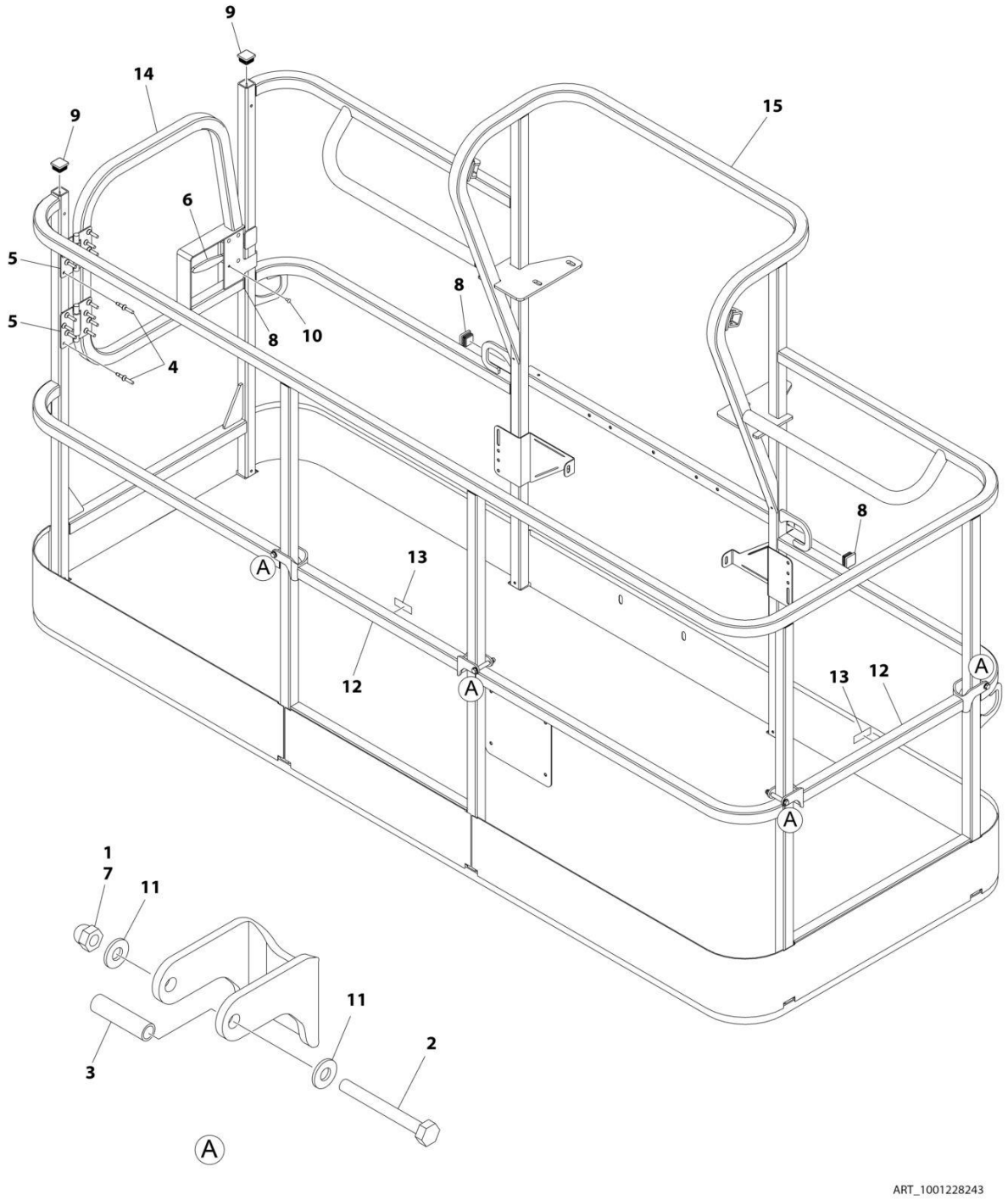


FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (1 GATE/2 DROP BARS)

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

FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (3 DROP BARS)

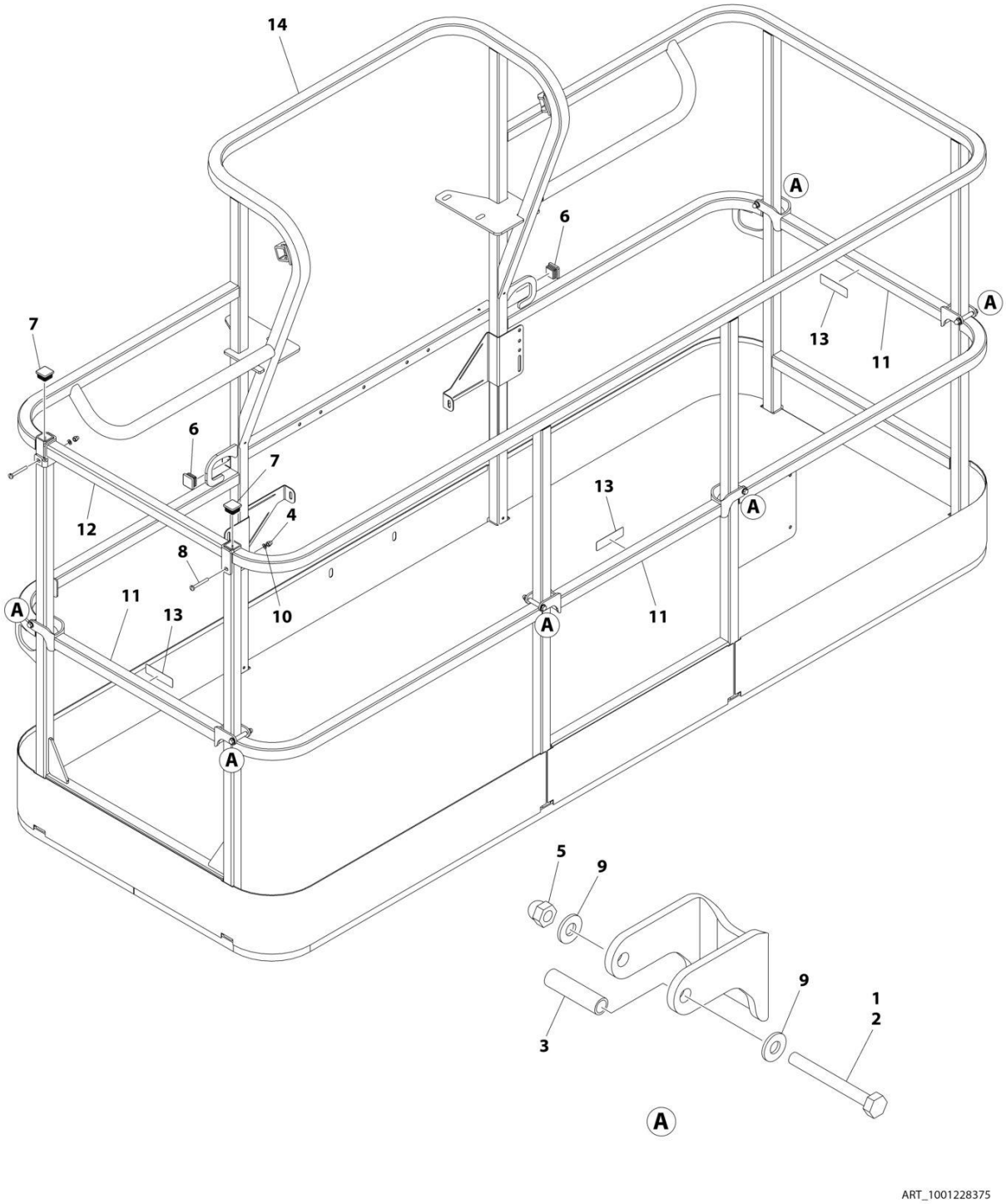
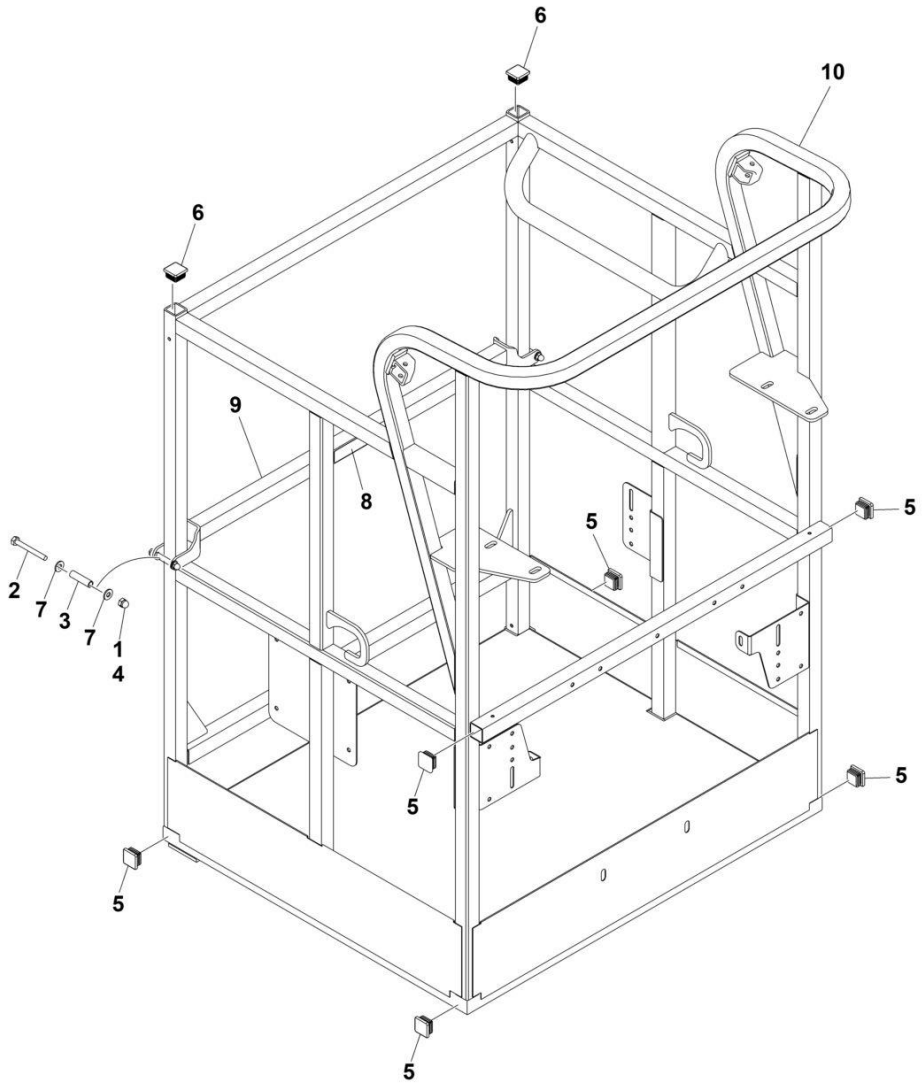


FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (3 DROP BARS)

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

FIGURE 5-12. PLATFORM ASSEMBLY - 30IN X 3FT (76CM X .91M) - DROP BAR ENTRY



ART_1001228215

FIGURE 5-12. 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)	

FIGURE 5-13. PLATFORM CONSOLE BOX INSTALLATION

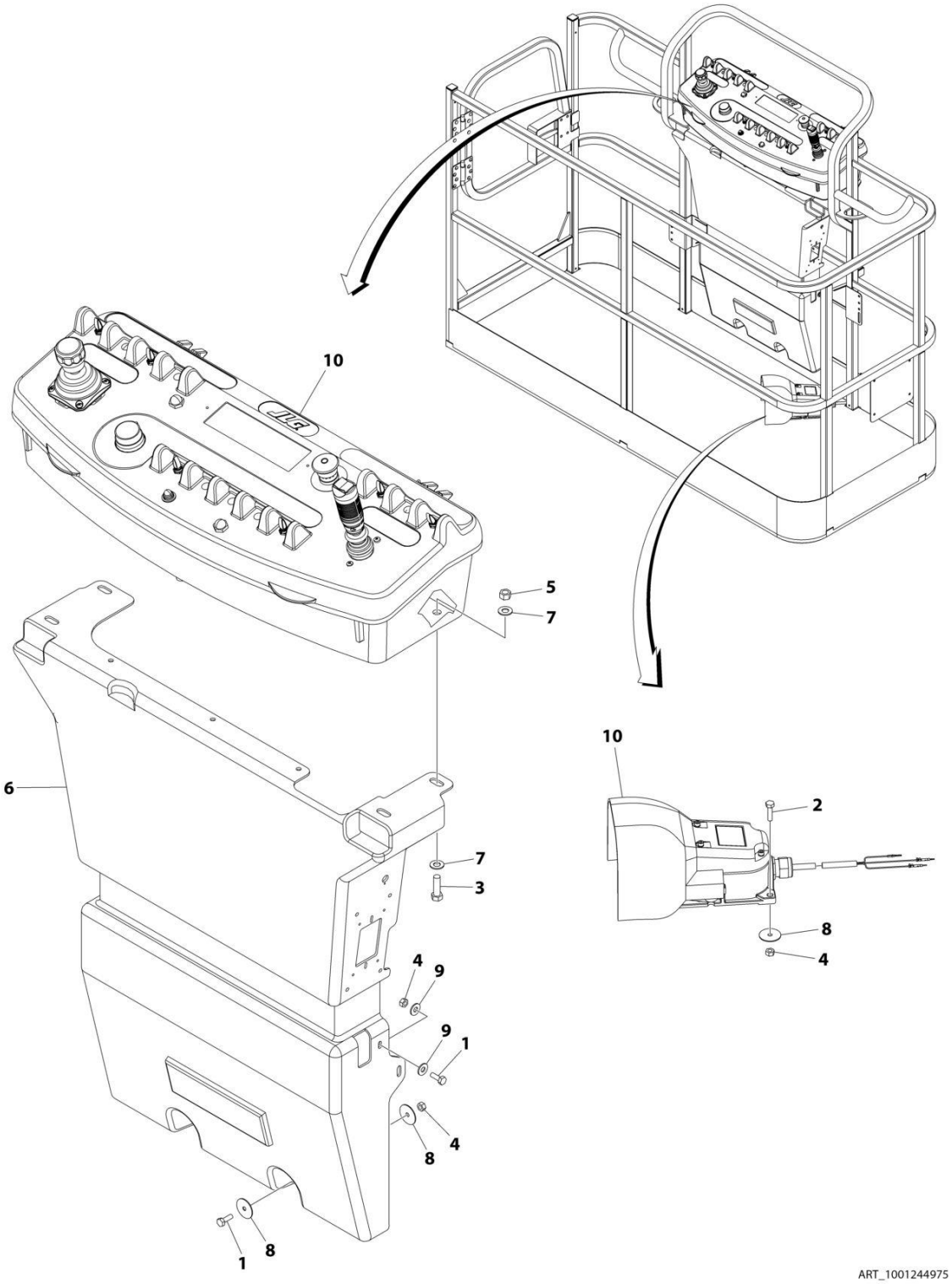


FIGURE 5-13. PLATFORM CONSOLE BOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244975	Ref	PLATFORM CONSOLE BOX INSTALLATION	A
1	0641406	4	Bolt, 1/4 x 3/4	
2	0641408	3	Bolt, 1/4 x 1	
3	0641610	4	Bolt, 3/8 x 1-1/4	
4	3311405	7	Nut, Lock 1/4	
5	3311605	4	Nut, Lock 3/8	
6	3380434	1	Panel, Decal Mount	
7	4751600	8	Washer, 3/8	
8	4740362	7	Washer, 1/4	
9	4751400	4	Washer, 1/4	
10	1001244976	1	Platform Console Box Assembly (See Separate Breakdown in this Section)	

FIGURE 5-14. PLATFORM CONSOLE BOX ASSEMBLY

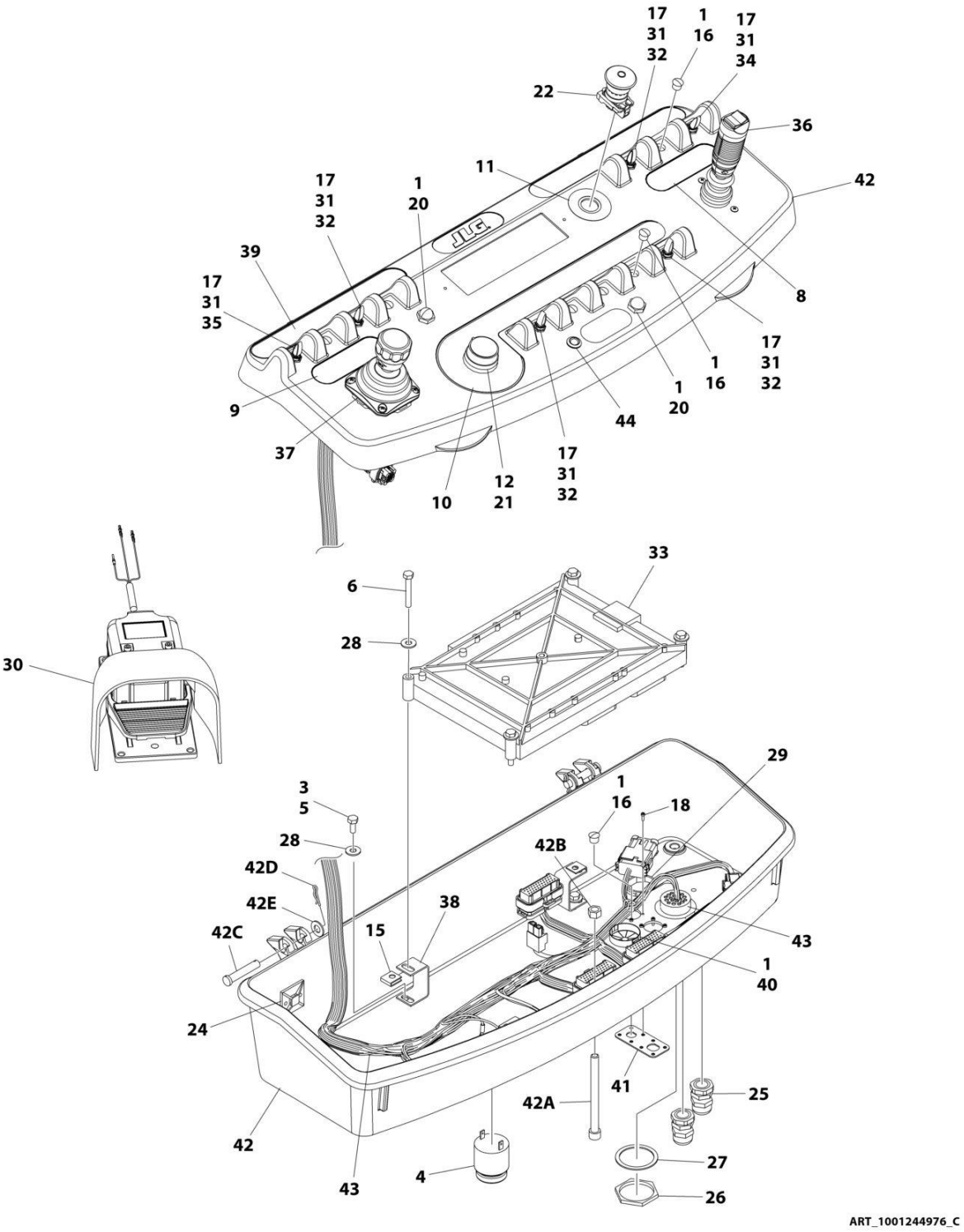


FIGURE 5-14. PLATFORM CONSOLE BOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244976	Ref	PLATFORM CONSOLE BOX ASSEMBLY	C
1	0100009	AR	Sealant	
3	0100035	AR	Compound, Locking	
4	0140011	1	Alarm	
5	0641405	4	Bolt 1/4 x 5/8	
6	0641414	4	Bolt 1/4 x 1-3/4	
8	1702565	1	Decal - Drive and Steer	
9	1702566	1	Decal - Lift and Swing	
10	1702567	1	Decal - Function Speed	
11	1704260	1	Decal - EMS	
12	2560136	1	Handle, Knob	
15	3300353	4	Nut, Tinnerman	
16	3520054	7	Plug	
17	3790012	6	O-Ring	
18	3900349	8	Screw M2.5	
19	4240099	AR	Tie-Strap (Not Shown)	
20	4360387	2	Switch, Pushbutton	
21	4360407	1	Switch, Potentiometer	
22	1001274559	1	Switch, Emergency	
24	4460234	6	Terminal	
25	4460428	2	Connector, Strain Relief	
26	4460470	1	Nut, Terminal	
27	4460471	1	Washer	
28	4751400	8	Washer 1/4	
29	1001110434	1	Plug	
30	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	
31	1001155044	6	Nut 15/32	
32	1001155045	4	Switch, Toggle	
33	1001157196	1	Controller, Module (Note: Re-calibration Required when Replaced)	
34	1001159256	1	Switch, Toggle	
35	1001161709	1	Switch, Toggle	
36	1001275628	1	Controller Assembly (Drive and Steer)	
37	1001275629	1	Controller Assembly (Lift and Swing)	
38	1001172760	4	Bracket	
39	1001184626	1	Decal - Horn	
40	1001185281	1	Plug	
41	1001213882	1	Connector Mount	
42	1001215228	1	Platform Console Box	
42A	0630568	1	Capscrew 3/8 x 4-1/2	
42B	3311601	1	Nut 3/8	
42C	3430616	2	Pin	
42D	3470003	2	Hairpin	
42E	4711600	2	Washer 3/8	
43	1001238254	1	Harness, Platform Console Box (See Separate Breakdown in ELECTRICAL Section)	
44	1001206532	1	Lamp, LED Indicator Yellow	

FIGURE 5-15. FOOTSWITCH ASSEMBLY

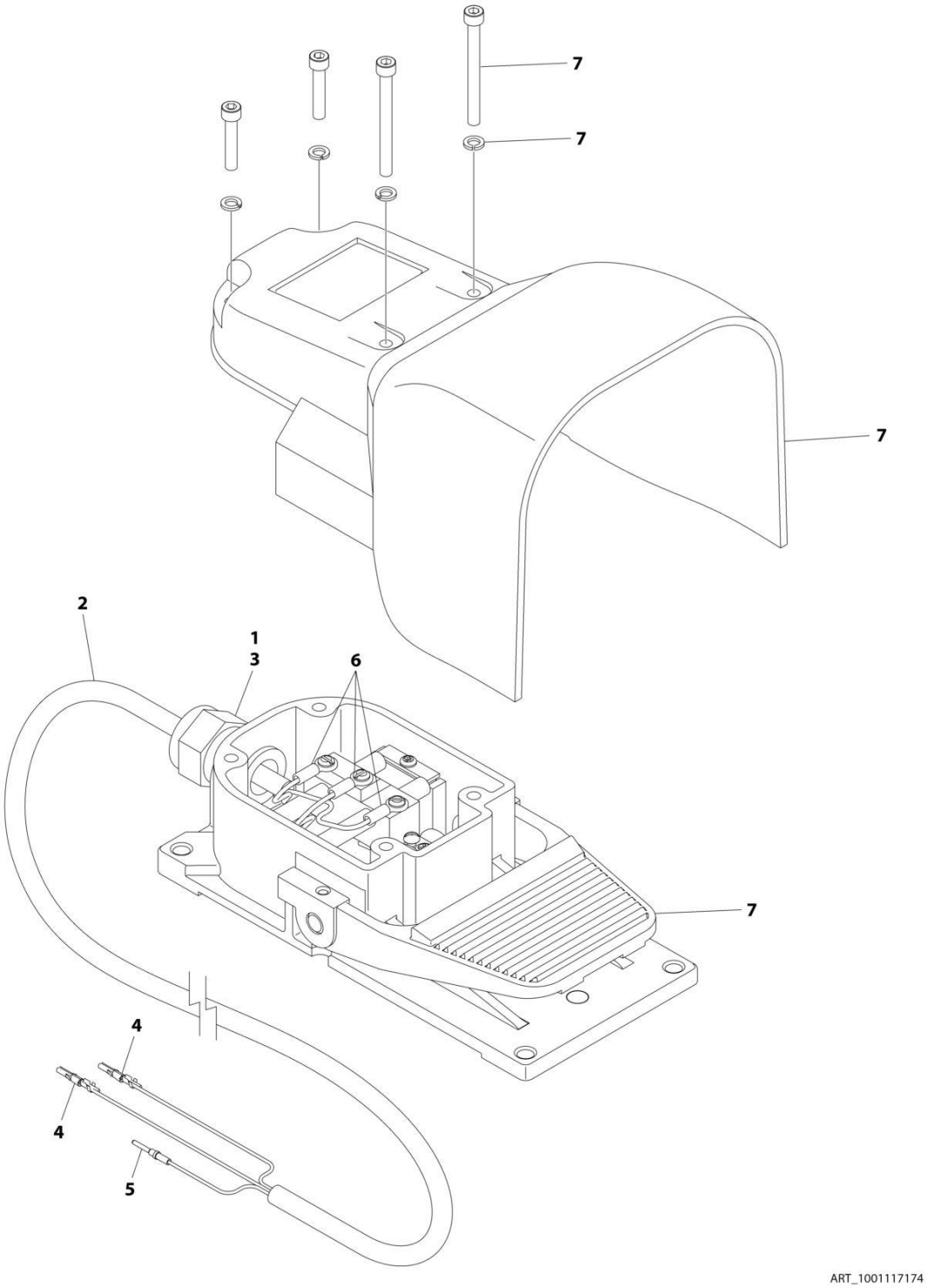


FIGURE 5-15. FOOTSWITCH ASSEMBLY

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 5-16. LIGHT PANEL INSTALLATION - 400S & 460SJ

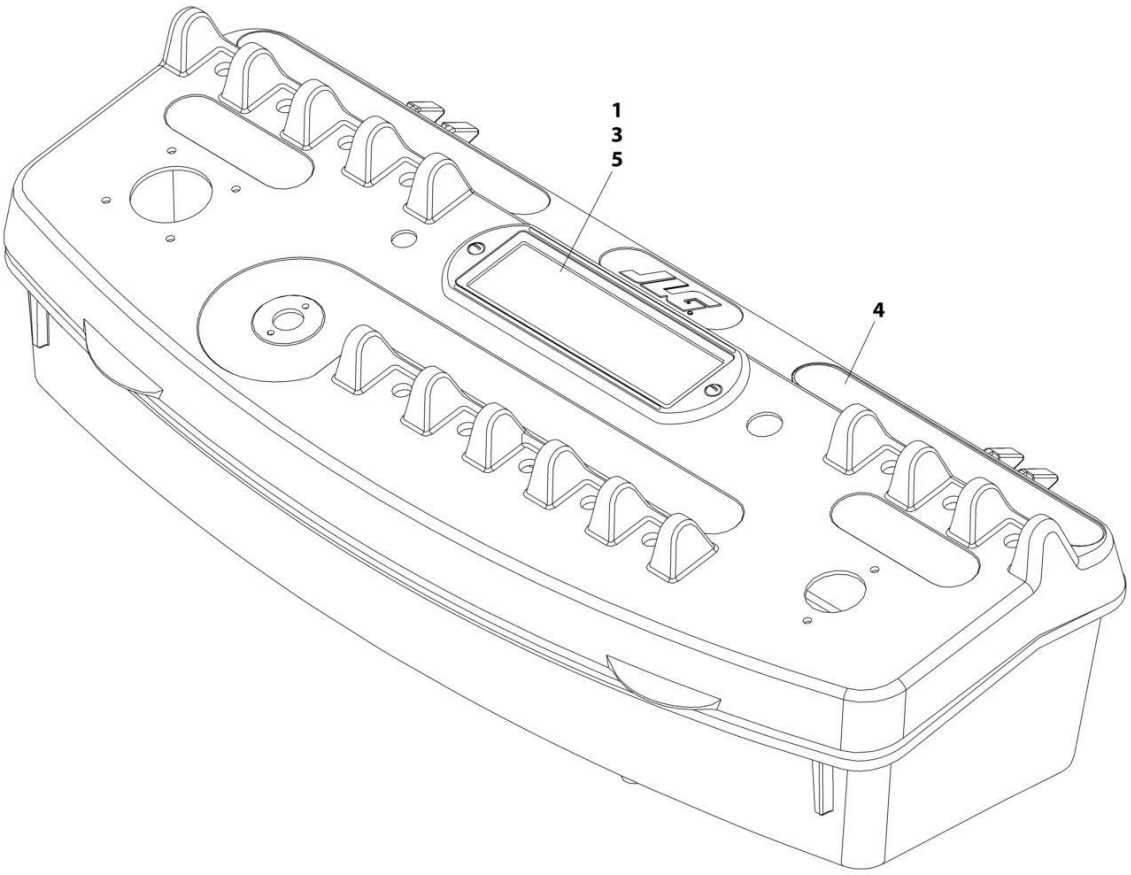


FIGURE 5-16. LIGHT PANEL INSTALLATION - 400S & 460SJ

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242680	Ref	LIGHT PANEL INSTALLATION	B
1	0100035	AR	Compound, Locking	
3	3911010	2	Screw #10 x 5/8	
4	1001184618	1	Decal - Stop and Auxiliary Power	
5	1001284583	1	Light Panel Electrical Assembly	

FIGURE 5-17. LIGHT PANEL INSTALLATION - 460SJ 1K45FT

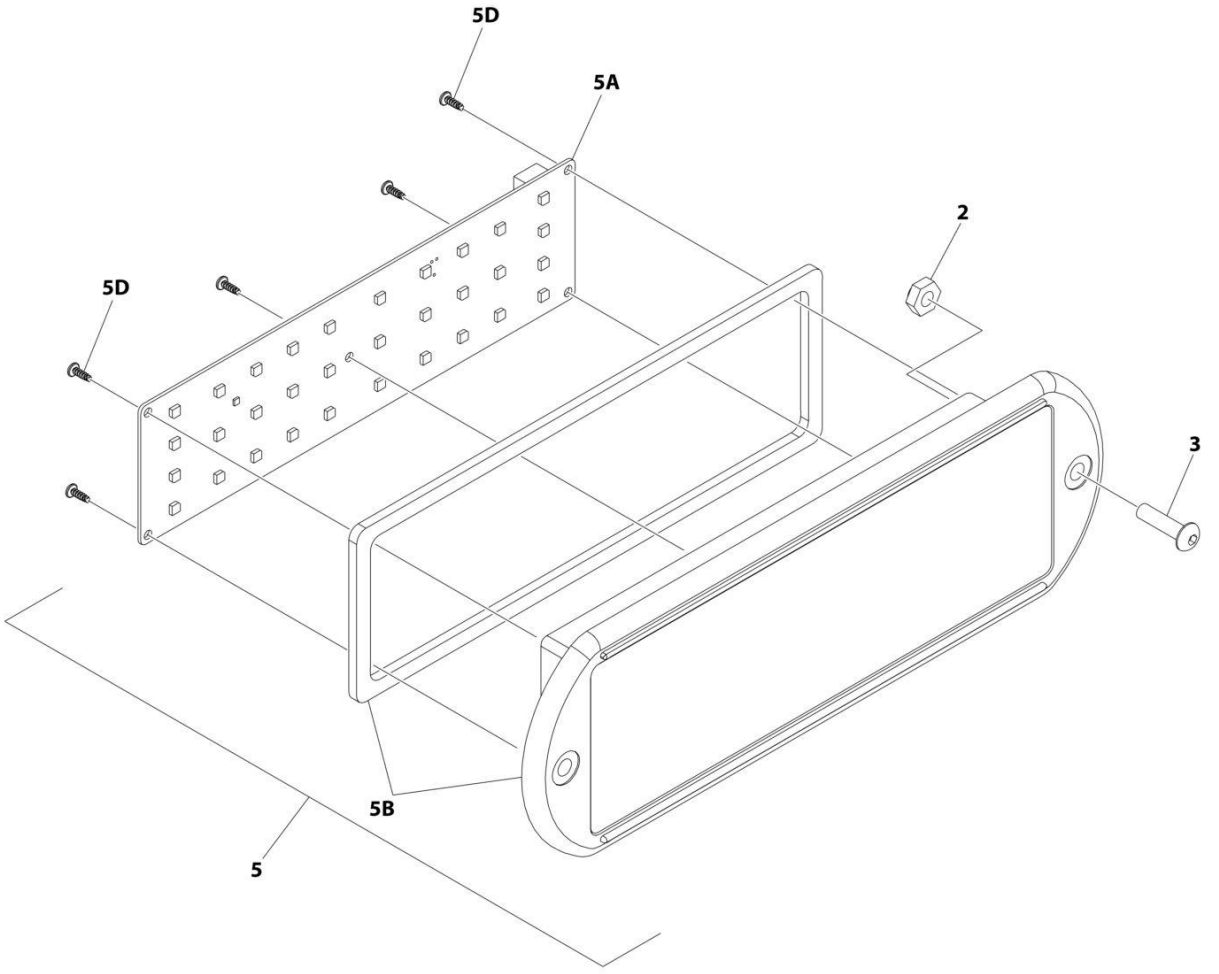


FIGURE 5-17. LIGHT PANEL INSTALLATION - 460SJ 1K45FT

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

FIGURE 5-18. FALL ARREST (BOLT-ON) INSTALLATION - 5FTX3FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS)

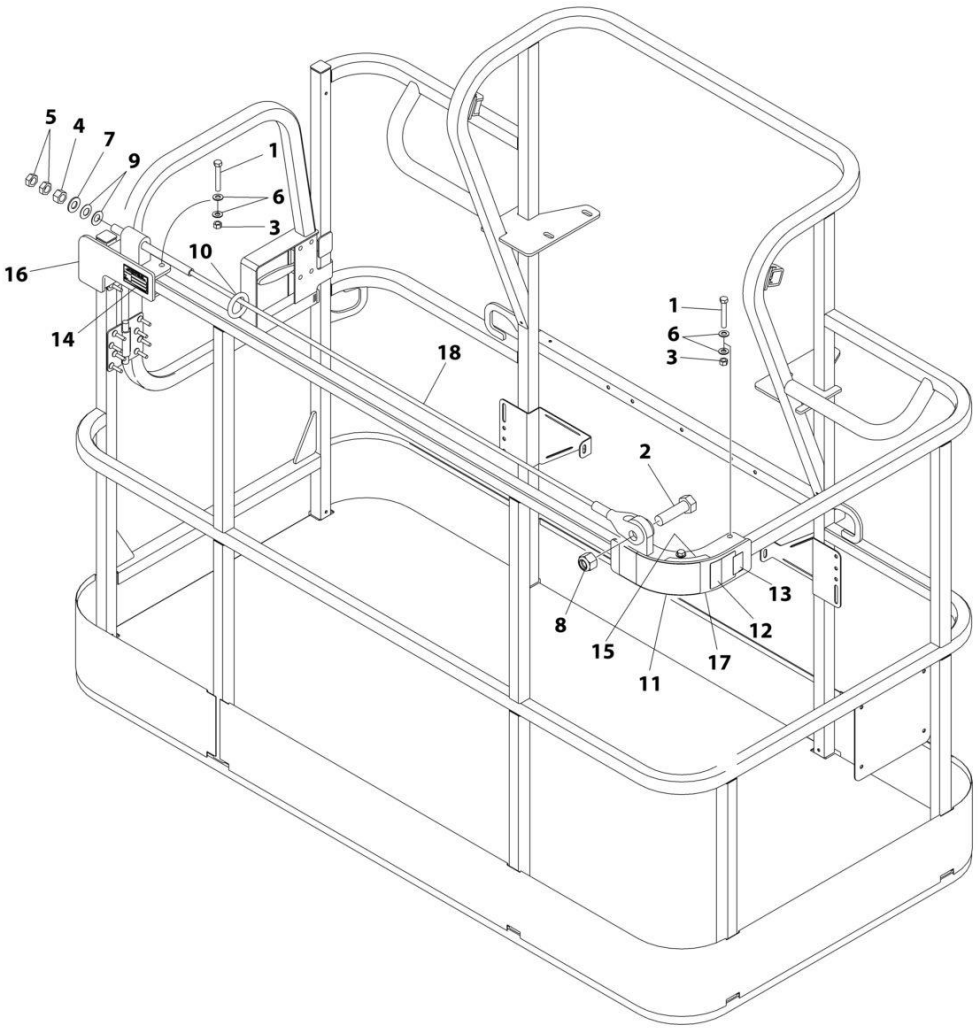


FIGURE 5-18. FALL ARREST (BOLT-ON) INSTALLATION - 5FTX3FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS)

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

FIGURE 5-19. FALL ARREST (BOLT-ON) INSTALLATION - 6FTX3FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS)

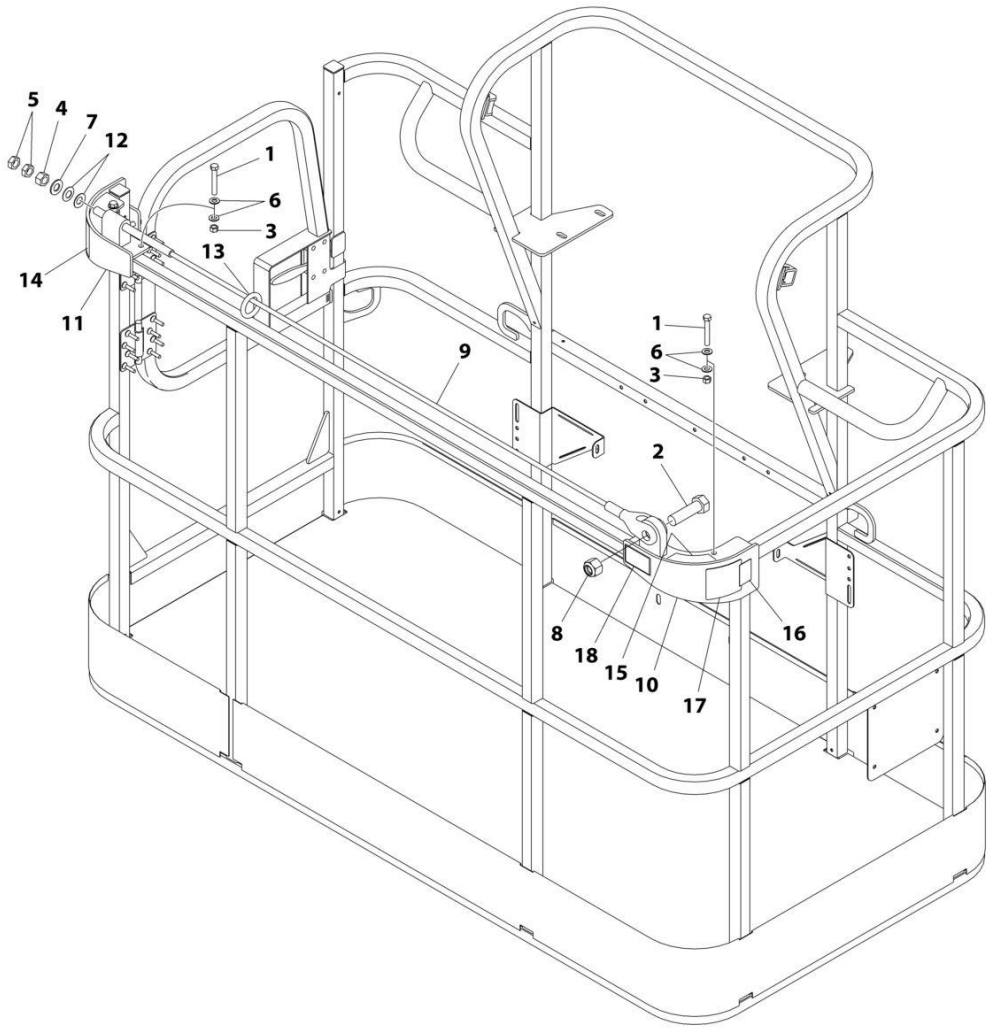


FIGURE 5-19. FALL ARREST (BOLT-ON) INSTALLATION - 6FTX3FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS)

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

FIGURE 5-20. FALL ARREST (BOLT-ON) INSTALLATION - 6FTX3FT TRI-ENTRY PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS)

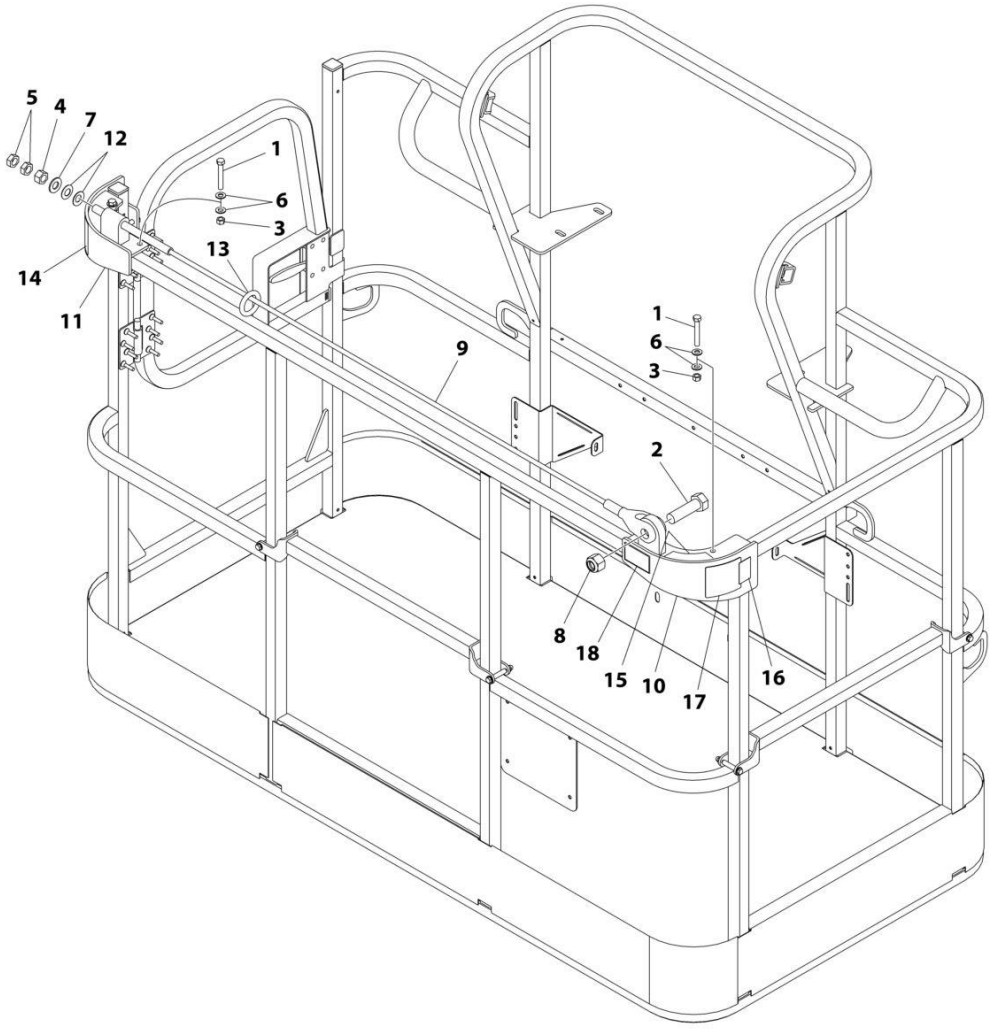


FIGURE 5-20. FALL ARREST (BOLT-ON) INSTALLATION - 6FTX3FT TRI-ENTRY PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS)

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

FIGURE 5-21. FALL ARREST (BOLT-ON) INSTALLATION - 8FTX3FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS)

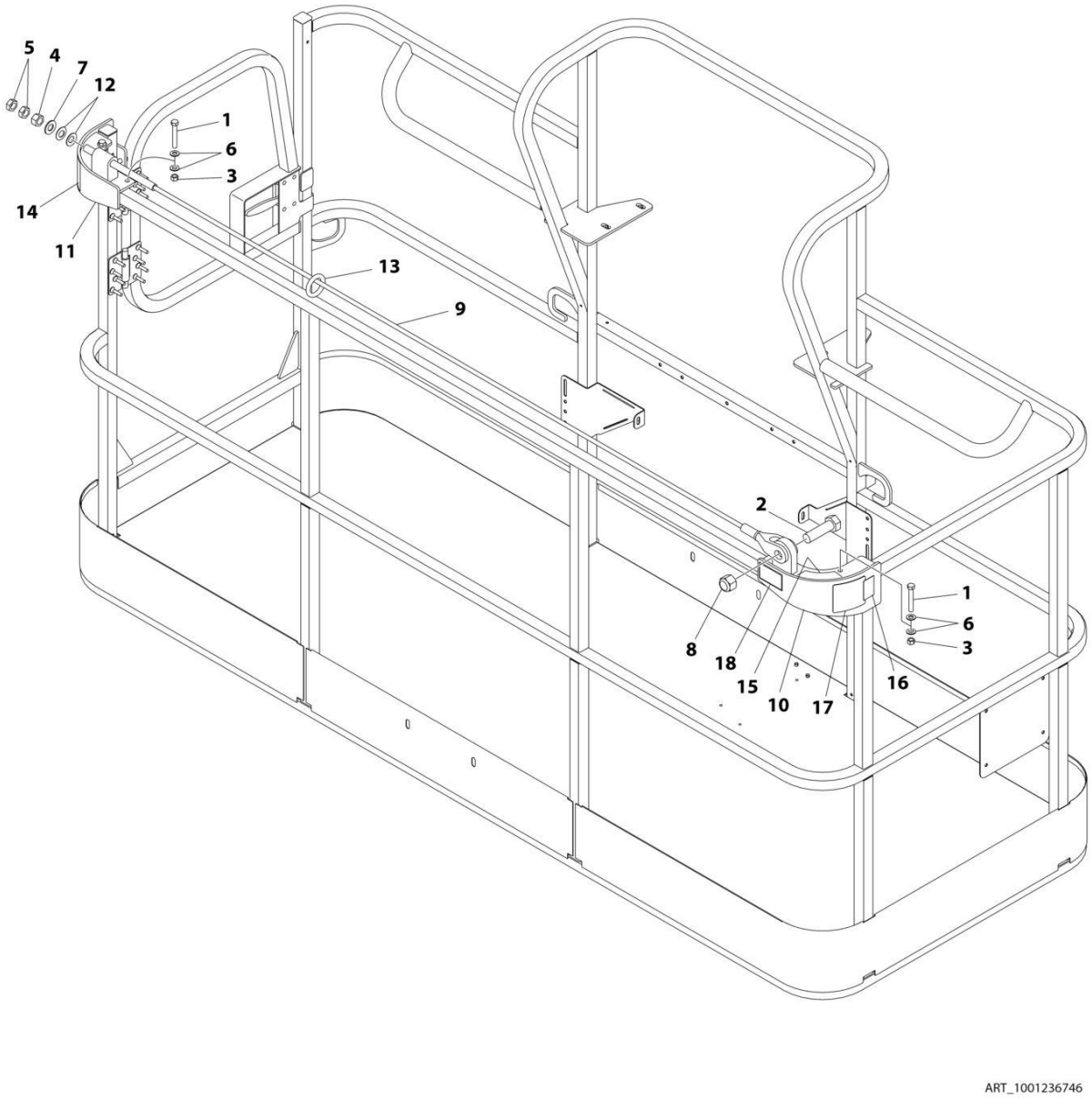


FIGURE 5-21. FALL ARREST (BOLT-ON) INSTALLATION - 8FTX3FT PLATFORM (ALL SPECS EXCEPT CE & UK CA SPECS)

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

FIGURE 5-22. SOFT TOUCH INSTALLATION - 6FT (1.83M) FALL ARREST PLATFORM

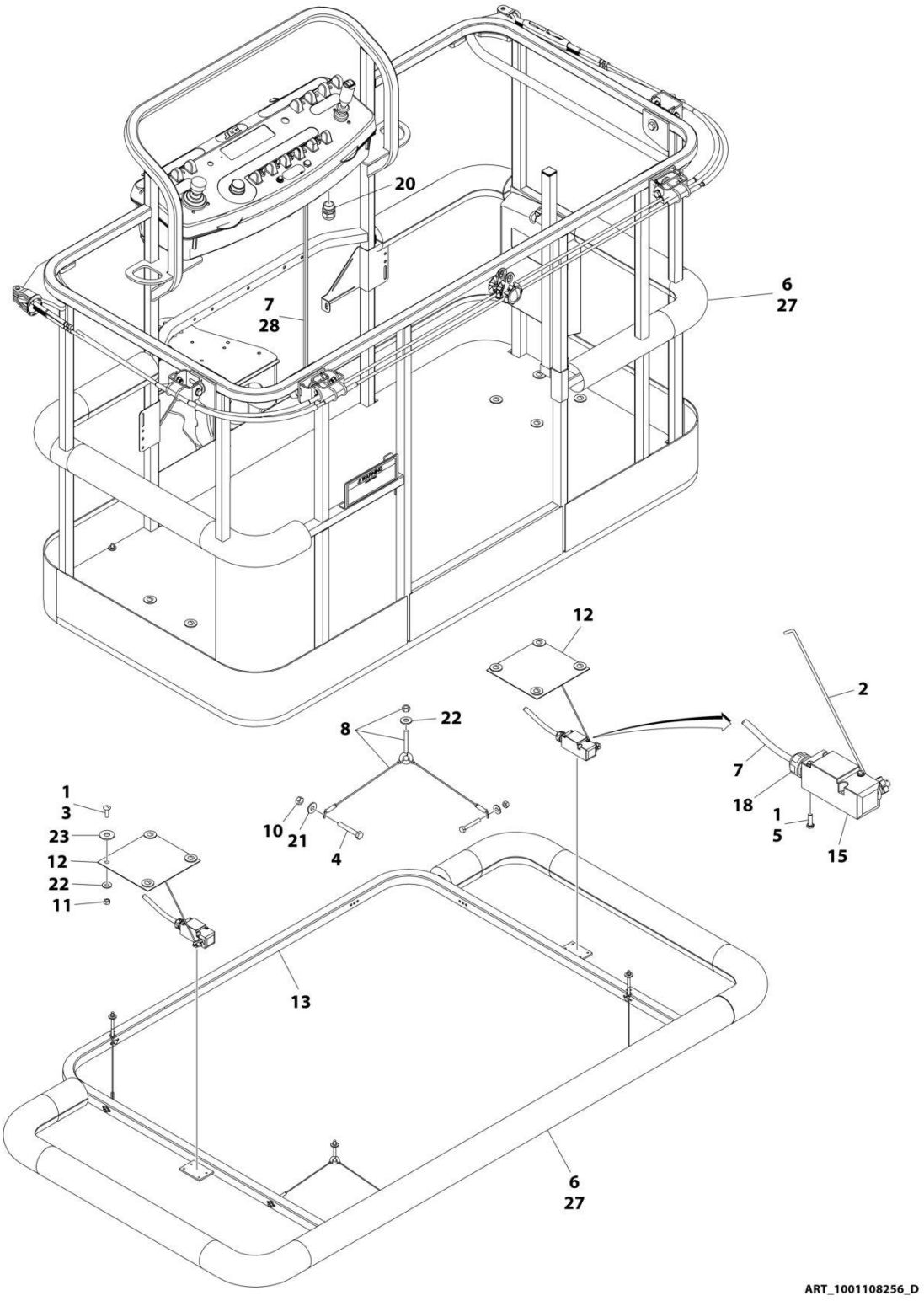


FIGURE 5-22. SOFT TOUCH INSTALLATION - 6FT (1.83M) FALL ARREST PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108256	Ref	SOFT TOUCH INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0731005	4	Bolt #10 x 5/8	
6	0940177	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	8	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3575359	2	Plate, Switch Strike	
13	3641569	1	Rail, Soft Touch	
14	4240099	7	Tie-Strap (Not Shown)	
15	4360057	2	Switch, Limit	
18	4460049	2	Connector, Strain Relief	
19	4460234	7	Tie-Strap (Not Shown)	
20	4460425	1	Connector, Strain Relief	
21	4751400	8	Washer 1/4	
22	4751500	9	Washer 5/16	
23	4751800	8	Washer 1/2	
27	1001197017	AR	Strap, Cable Tie (Yellow)	
28	4460226	4	Socket	

FIGURE 5-23. SOFT TOUCH INSTALLATION - 8FT (2.4M) PLATFORM

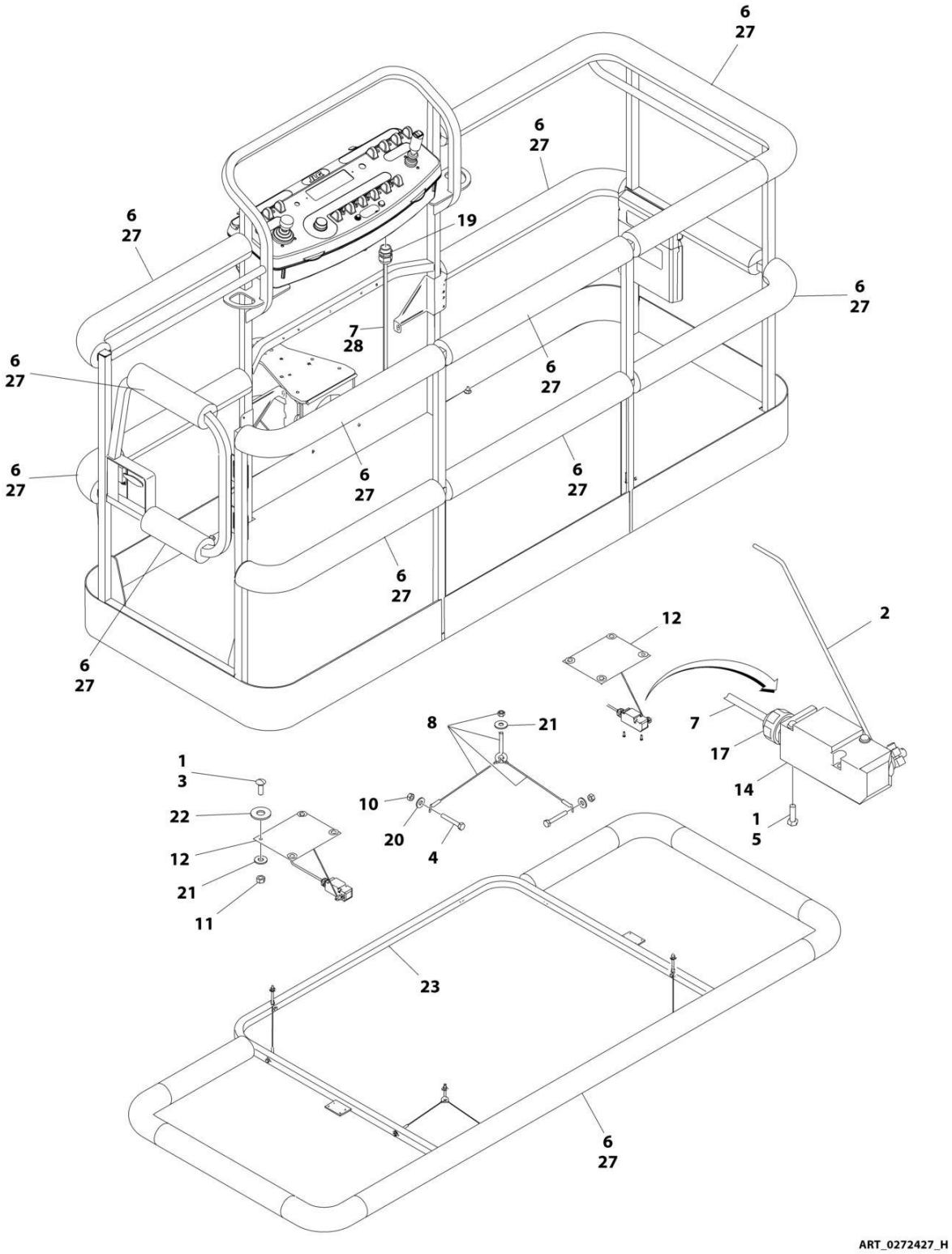


FIGURE 5-23. SOFT TOUCH INSTALLATION - 8FT (2.4M) PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272427	Ref	SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM	H
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0721005	4	Bolt #10 x 5/8	
6	0940103	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	12	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3574091	2	Plate, Switch Strike	
13	4240099	7	Tie-Strap (Not Shown)	
14	4360057	2	Switch, Limit	
17	4460049	2	Connector, Strain Relief	
18	4460234	7	Tie-Strap (Not Shown)	
19	4460425	1	Connector, Strain Relief	
20	4751400	8	Washer 1/4	
21	4751500	12	Washer 5/16	
22	4751800	8	Washer 1/2	
23	4846673	1	Rail, Soft Touch	
27	1001197017	AR	Tie-Strap	
28	4460226	1	Socket	

FIGURE 5-24. SKYGUARD BAR INSTALLATION

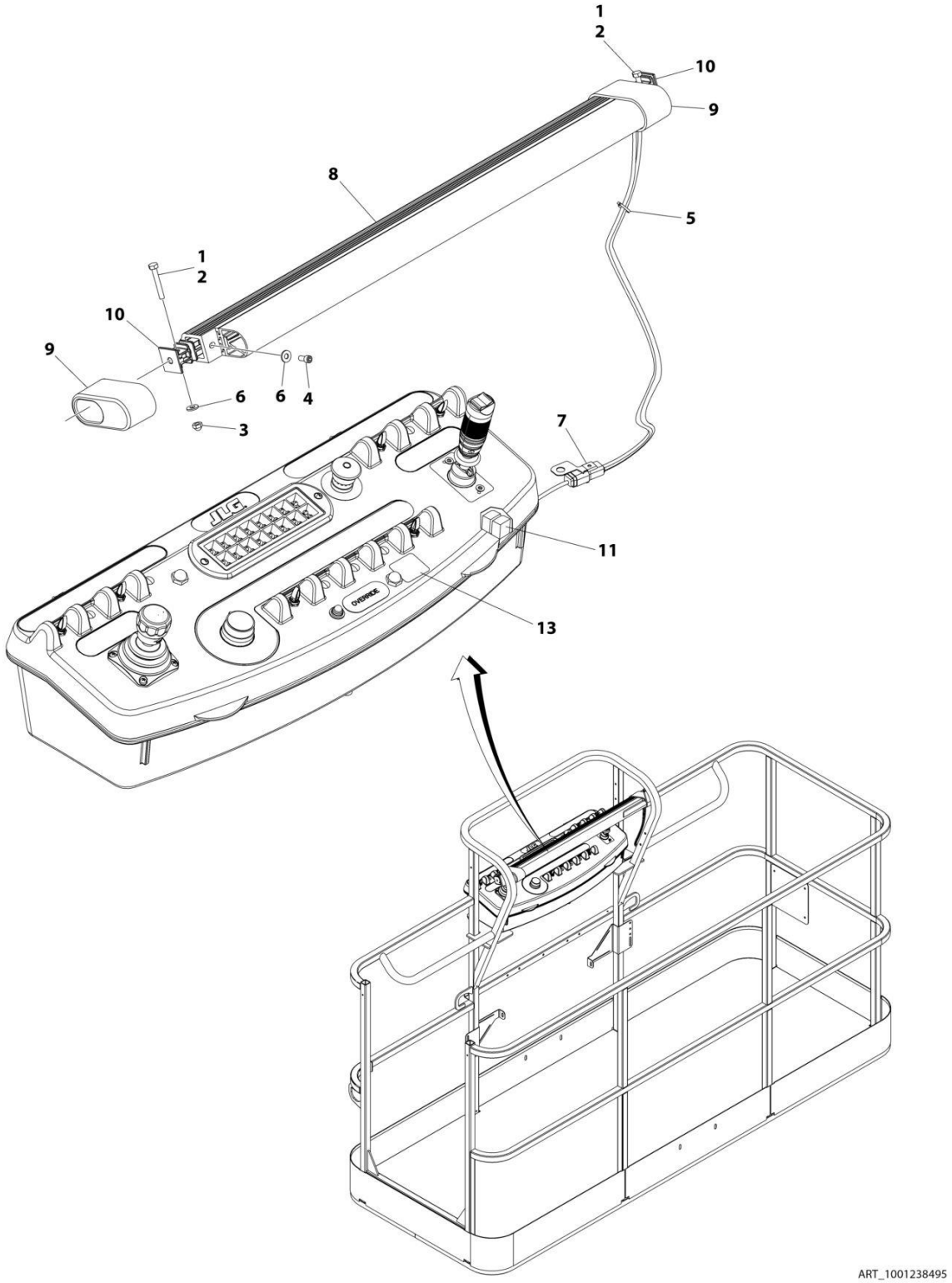


FIGURE 5-24. SKYGUARD BAR INSTALLATION

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

FIGURE 5-25. SKYEYE INSTALLATION

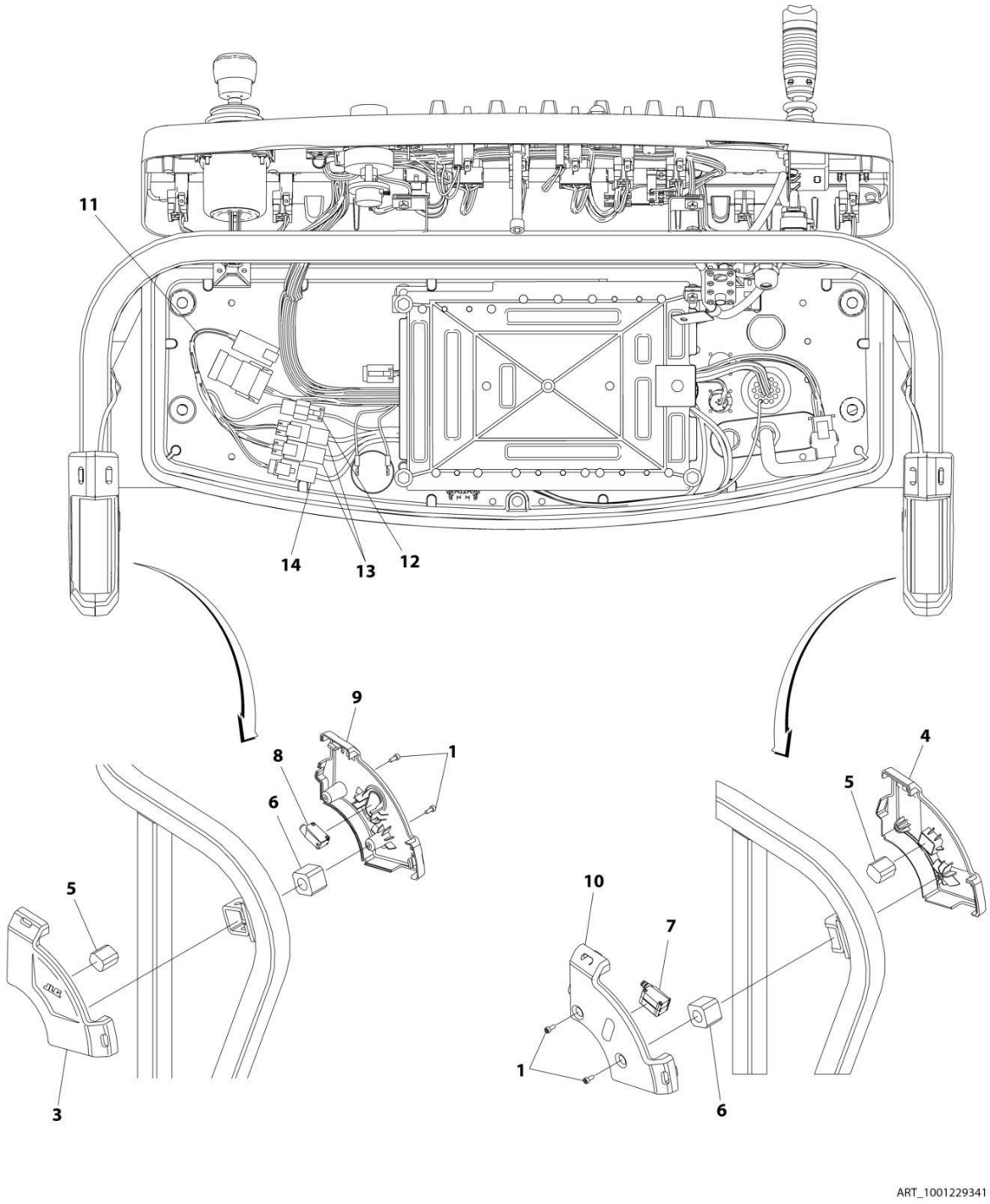


FIGURE 5-25. SKYEYE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229341	Ref	SKYEYE INSTALLATION	B
1	4031505	4	Bolt M4 x 10	
2	4240033	AR	Tie-Strap (Not Shown)	
3	1001227633	1	Housing, LH Outer	
4	1001227634	1	Housing, RH Outer	
5	1001227985	2	Shim	
6	1001227987	2	Shim	
7	1001228224	2	Sensor, Receiver	
8	1001228225	1	Sensor, Emitter	
9	1001232164	1	Housing, LH Inner	
10	1001232165	1	Housing, RH Inner	
11	1001237865	1	Harness, 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 5-26. SKYLINE INSTALLATION

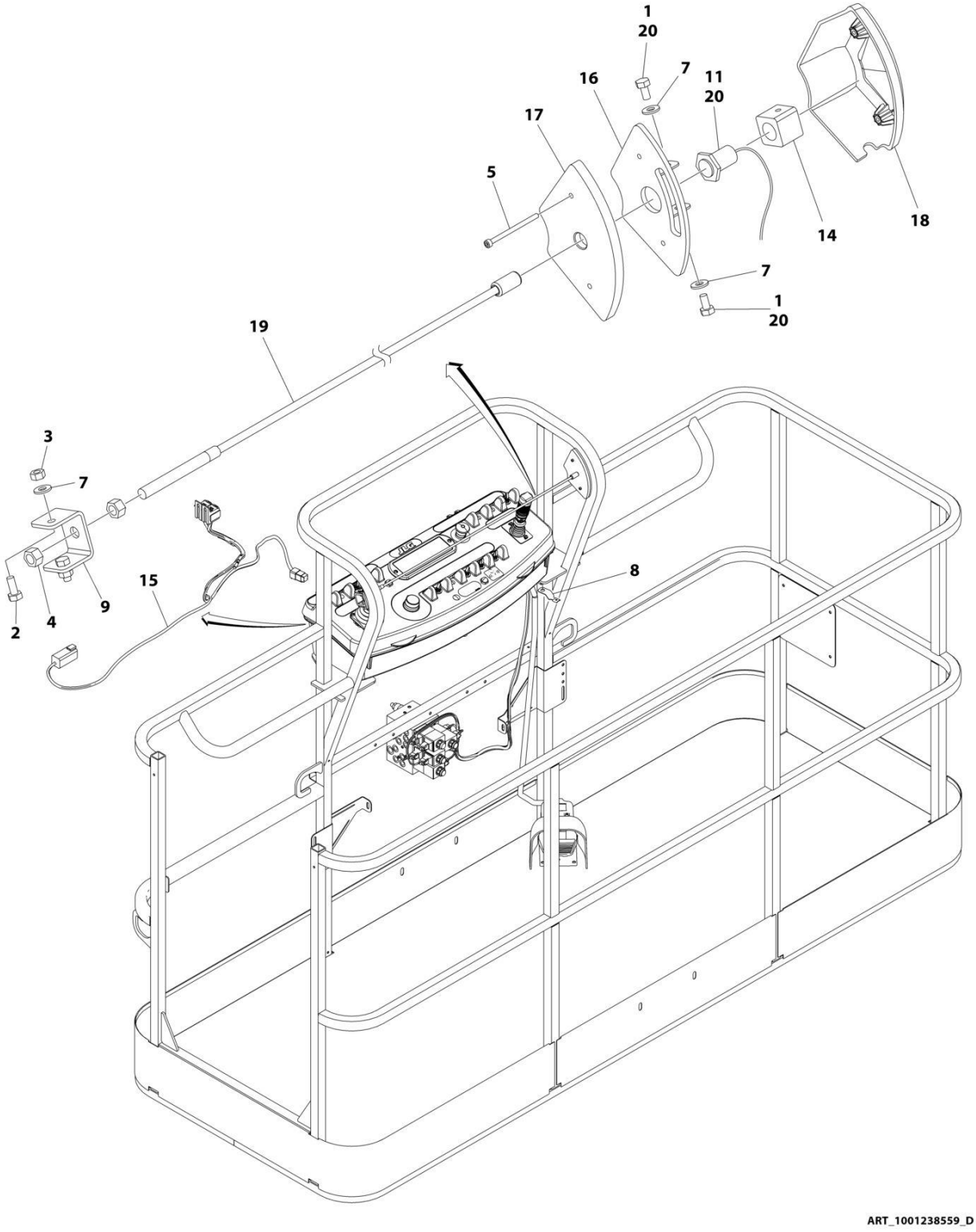


FIGURE 5-26. SKYLINE INSTALLATION

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

FIGURE 5-27. SKYGLAZIER INSTALLATION

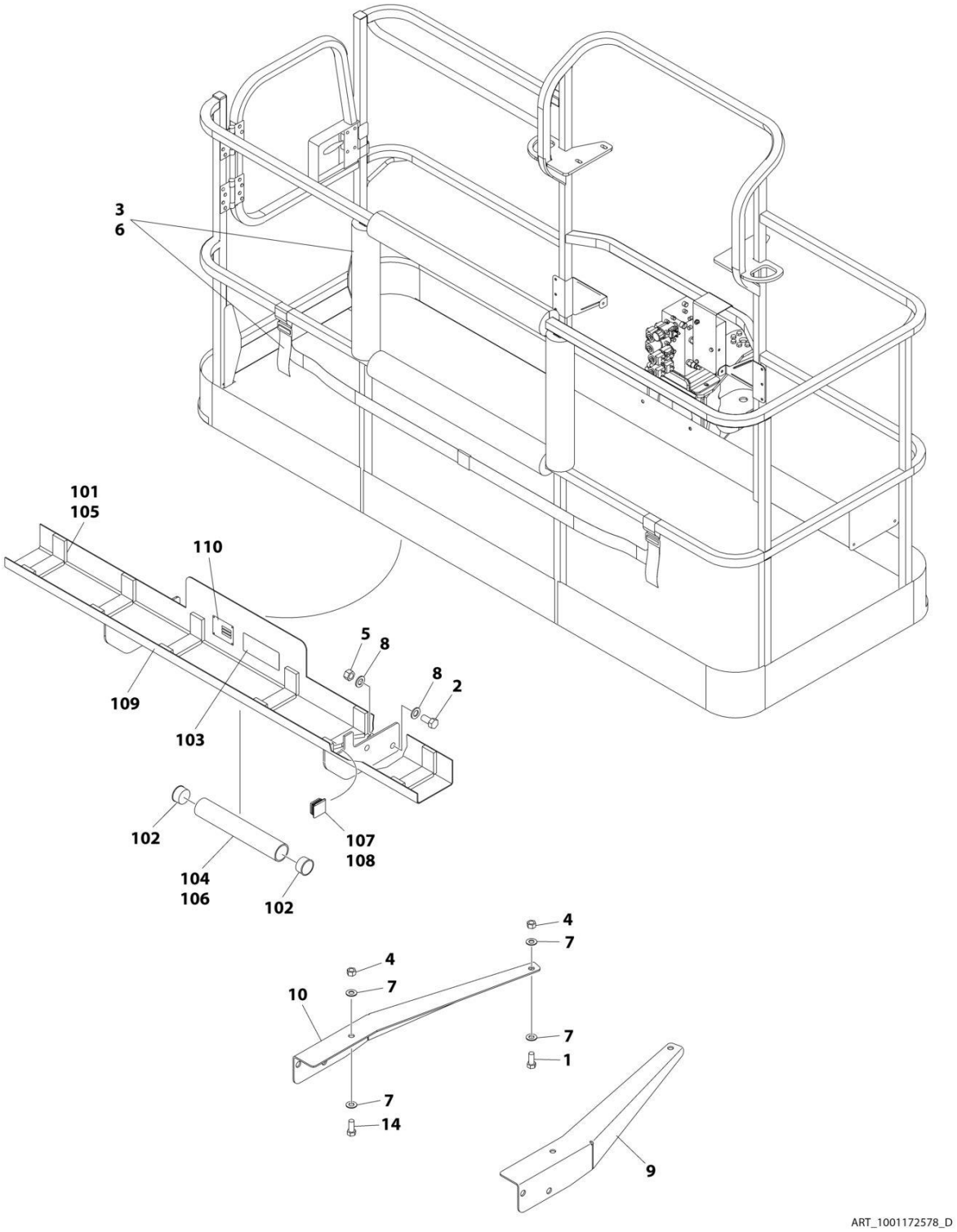


FIGURE 5-27. SKYGLAZIER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172578	Ref	SKYGLAZIER INSTALLATION	D
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	2902212	1	Bumpers and Strap Kit	
3	0940102	1	Bumper Only	
3	4240149	1	Strap Only	
4	3312005	1	Nut 5/8	
5	3312205	4	Nut 3/4	
6	4420014	AR	Tape	
7	4712000	6	Washer 5/8	
8	4712200	8	Washer 3/4	
9	1001099366	1	Support	
10	1001099367	1	Support	
13	1001303430	1	Tray Assembly (Not Shown) (See Items 101-110 for Breakdown)	
14	8310129	2	Bolt 3/4 x 2-1/2	
	1001303430	Ref	TRAY ASSEMBLY	A
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	1701509	1	Decal - Manual	
104	3124242	1	Manual - Accessories	
105	3340956	1	Pad Kit	
106	3460334	1	Pipe	
107	3520071	2	Plug	
108	4420066	AR	Tape, Double Sided	
109	4846562	1	Weld, Glazier Shelf	
110	1001253726	1	Decal - Accessory	

FIGURE 5-28. SKYSENSE MID TUBE SENSOR ASSEMBLY

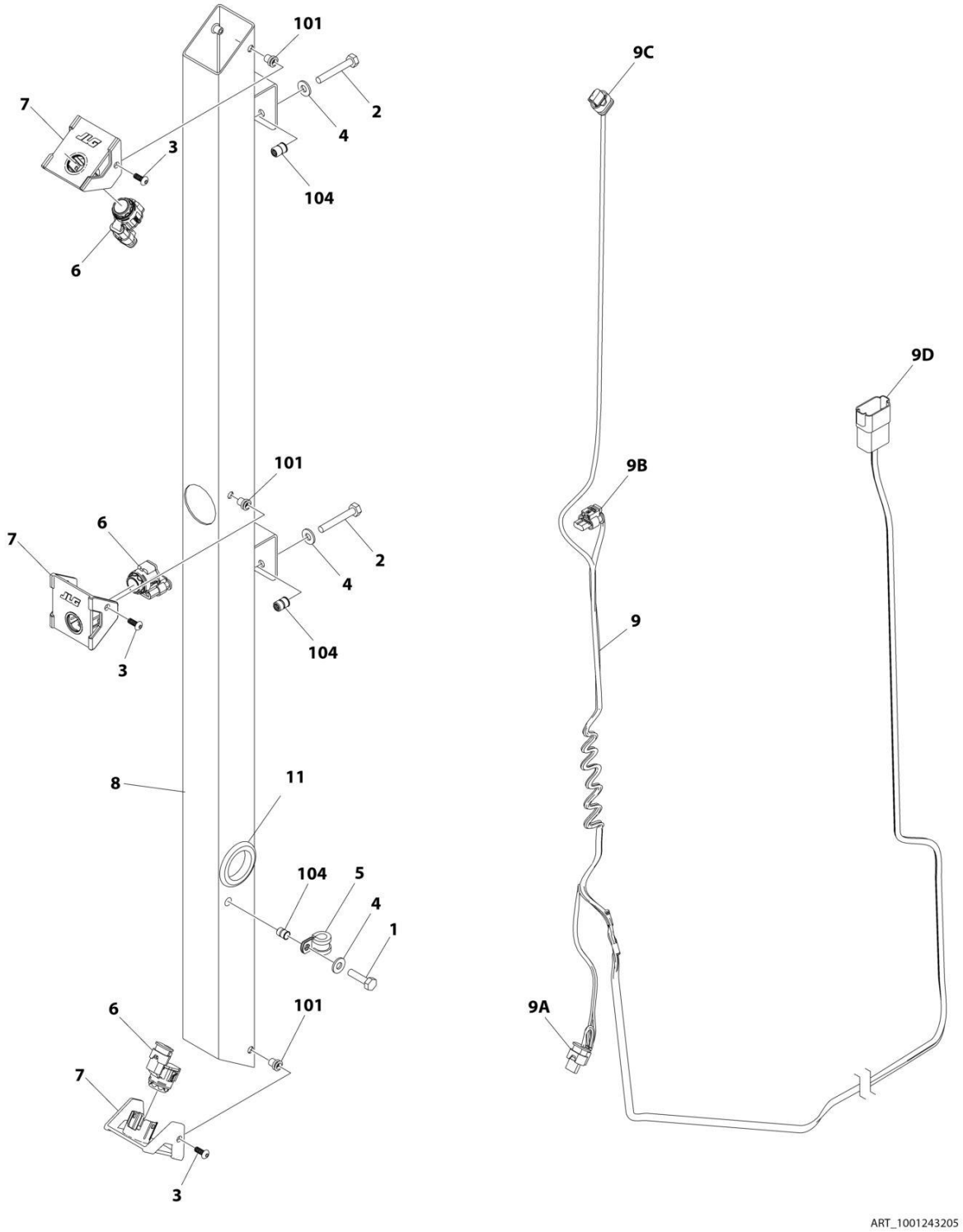


FIGURE 5-28. SKYSENSE MID TUBE SENSOR ASSEMBLY

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 5-29. SKYSENSE OVERHEAD SENSOR ASSEMBLY

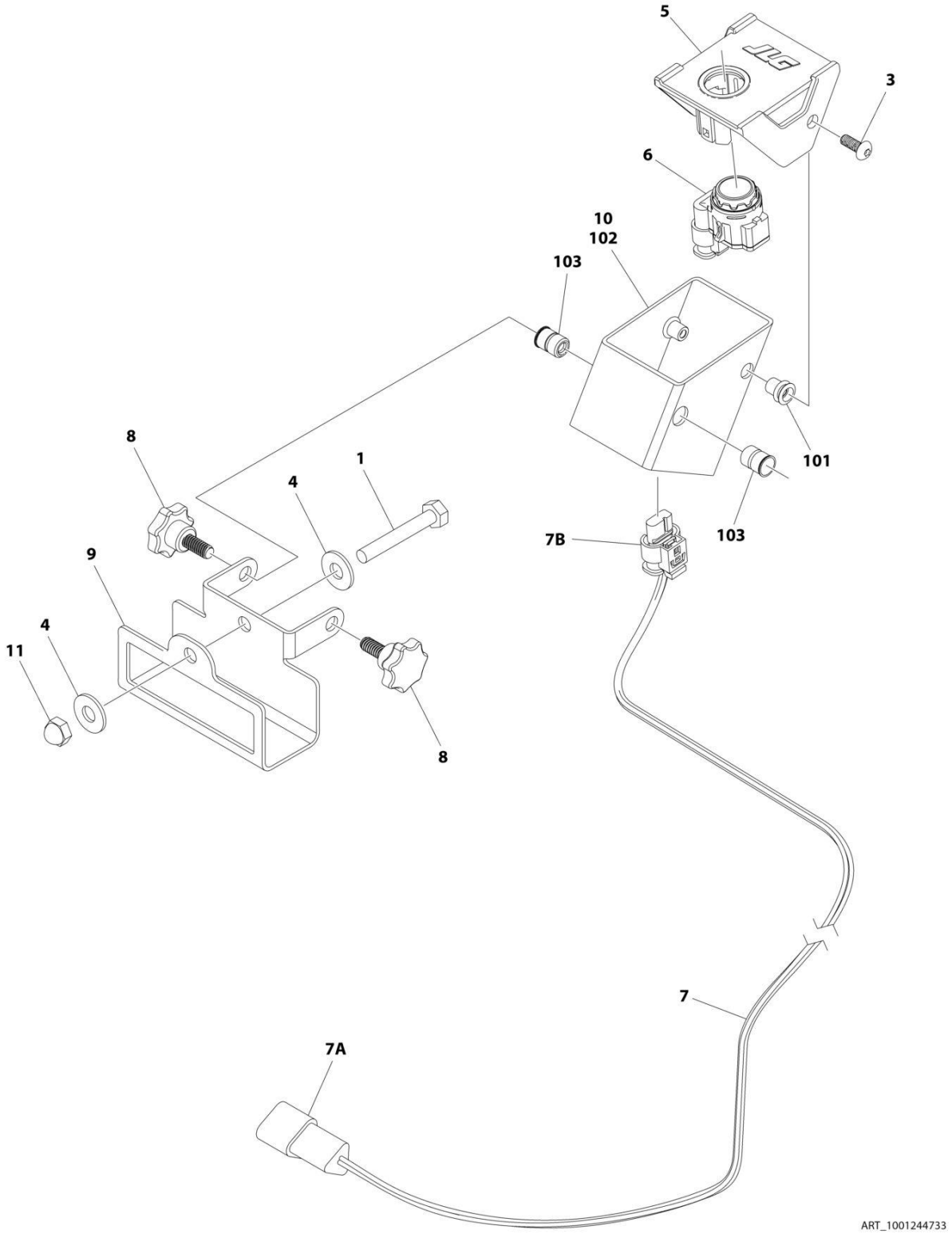


FIGURE 5-29. SKYSENSE OVERHEAD SENSOR ASSEMBLY

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 5-30. SKYWELDER INSTALLATION (50HZ)

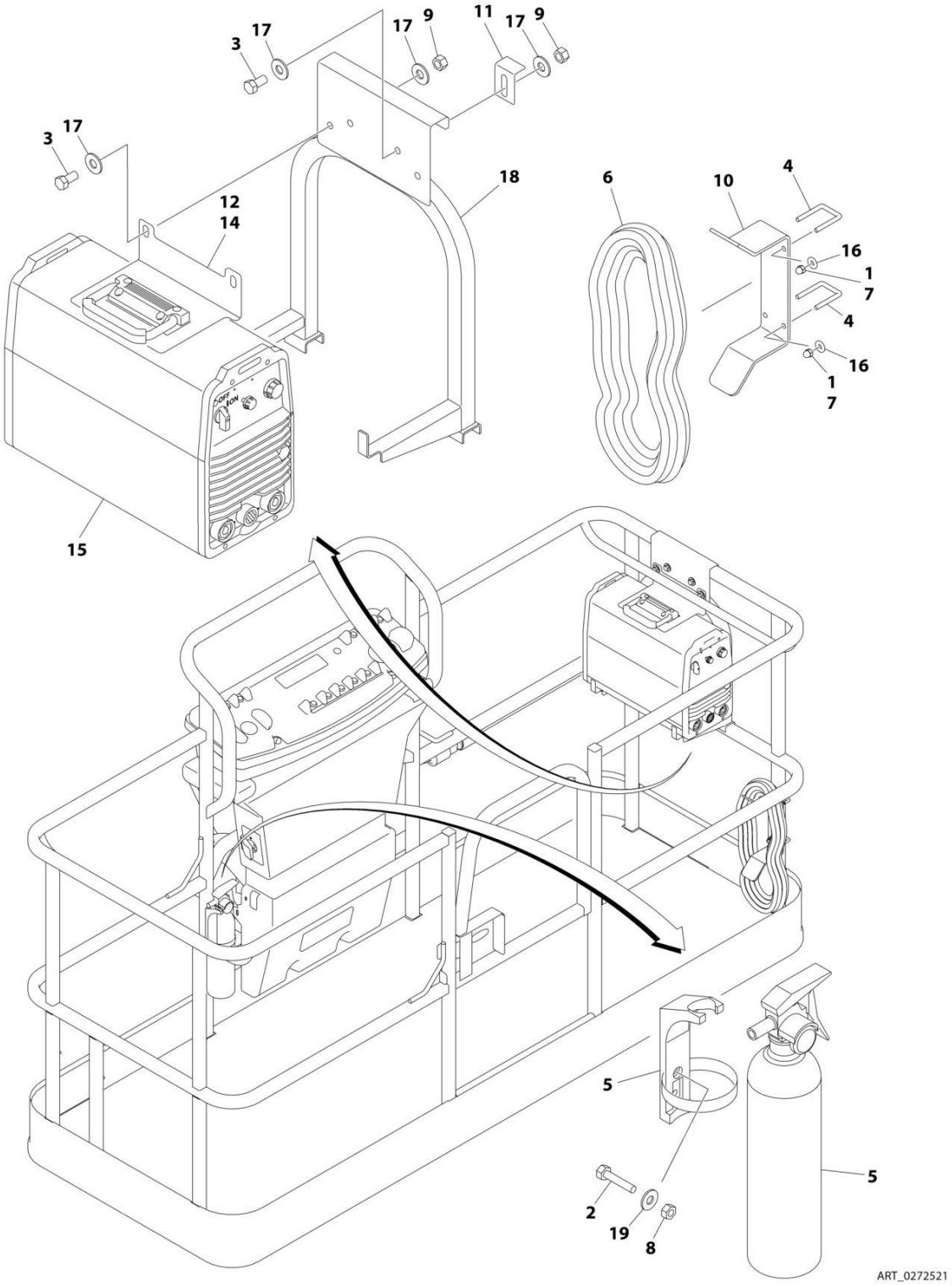


FIGURE 5-30. SKYWELDER INSTALLATION (50HZ)

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

FIGURE 5-31. SKYWELDER INSTALLATION (60HZ)

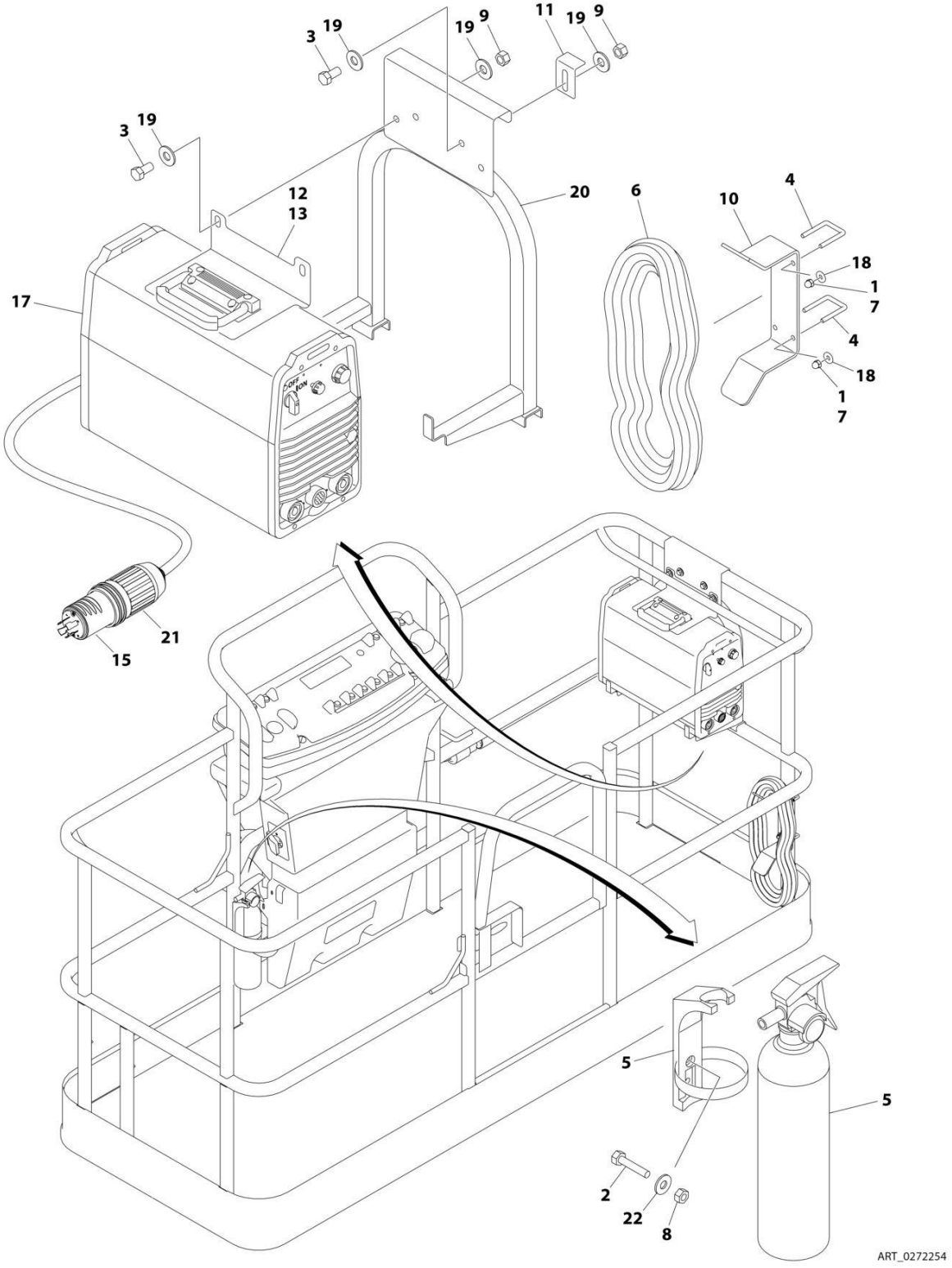


FIGURE 5-31. SKYWELDER INSTALLATION (60HZ)

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

FIGURE 5-32. SKYWELDER PREP PACKAGE (60HZ)

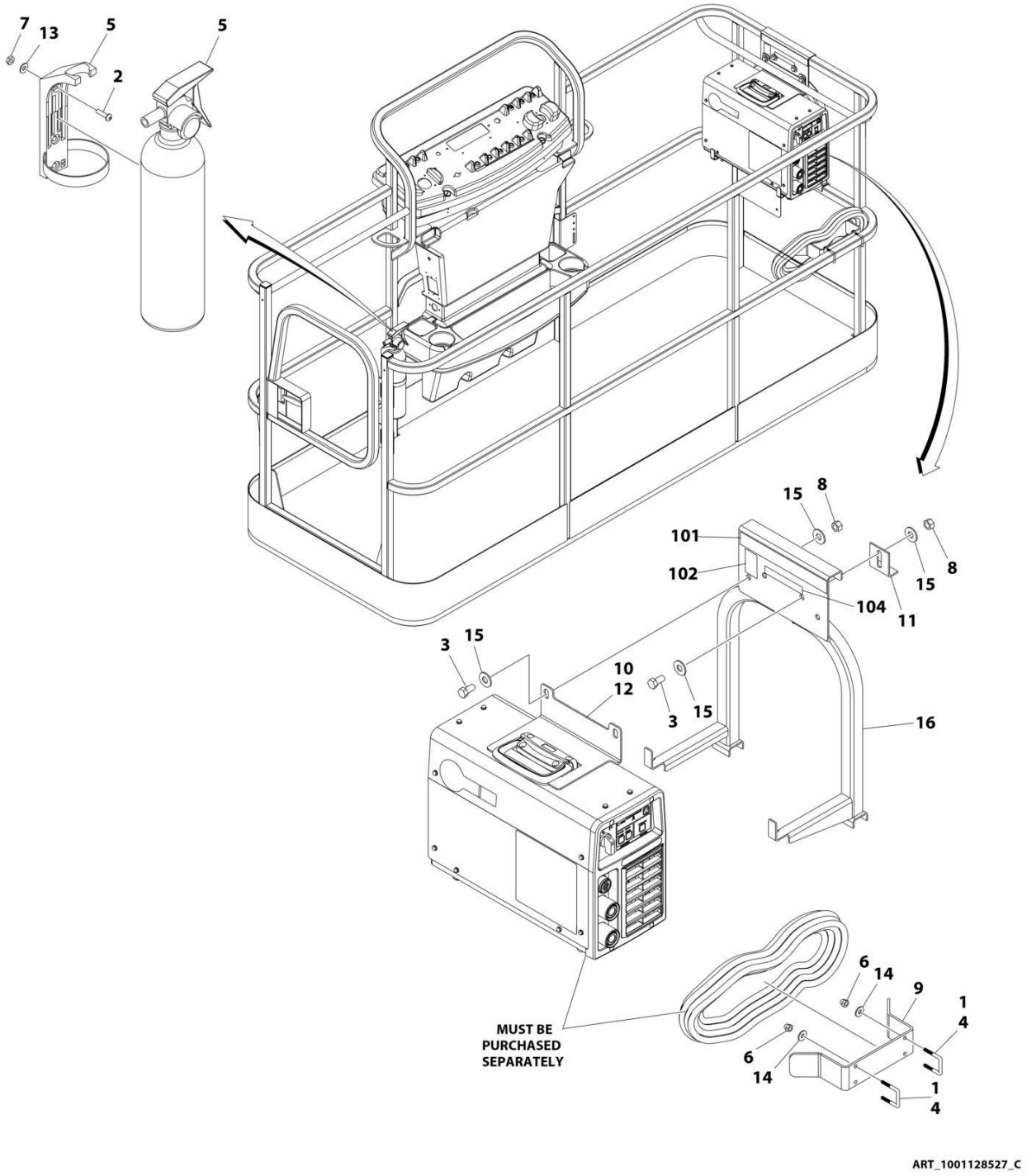


FIGURE 5-32. SKYWELDER PREP PACKAGE (60HZ)

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

FIGURE 5-33. TRAY INSTALLATION

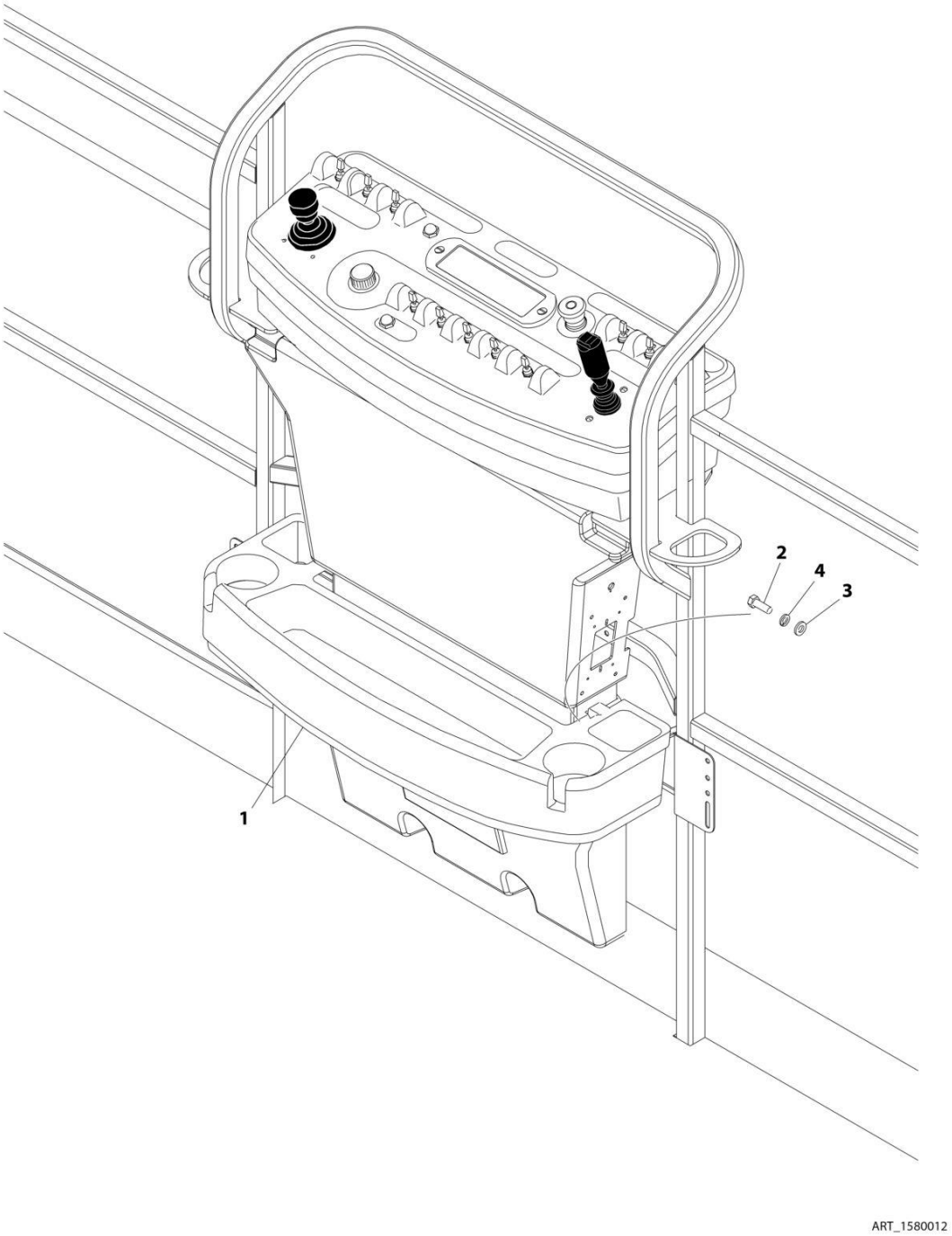


FIGURE 5-33. TRAY INSTALLATION

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 5-34. USB CHARGER INSTALLATION

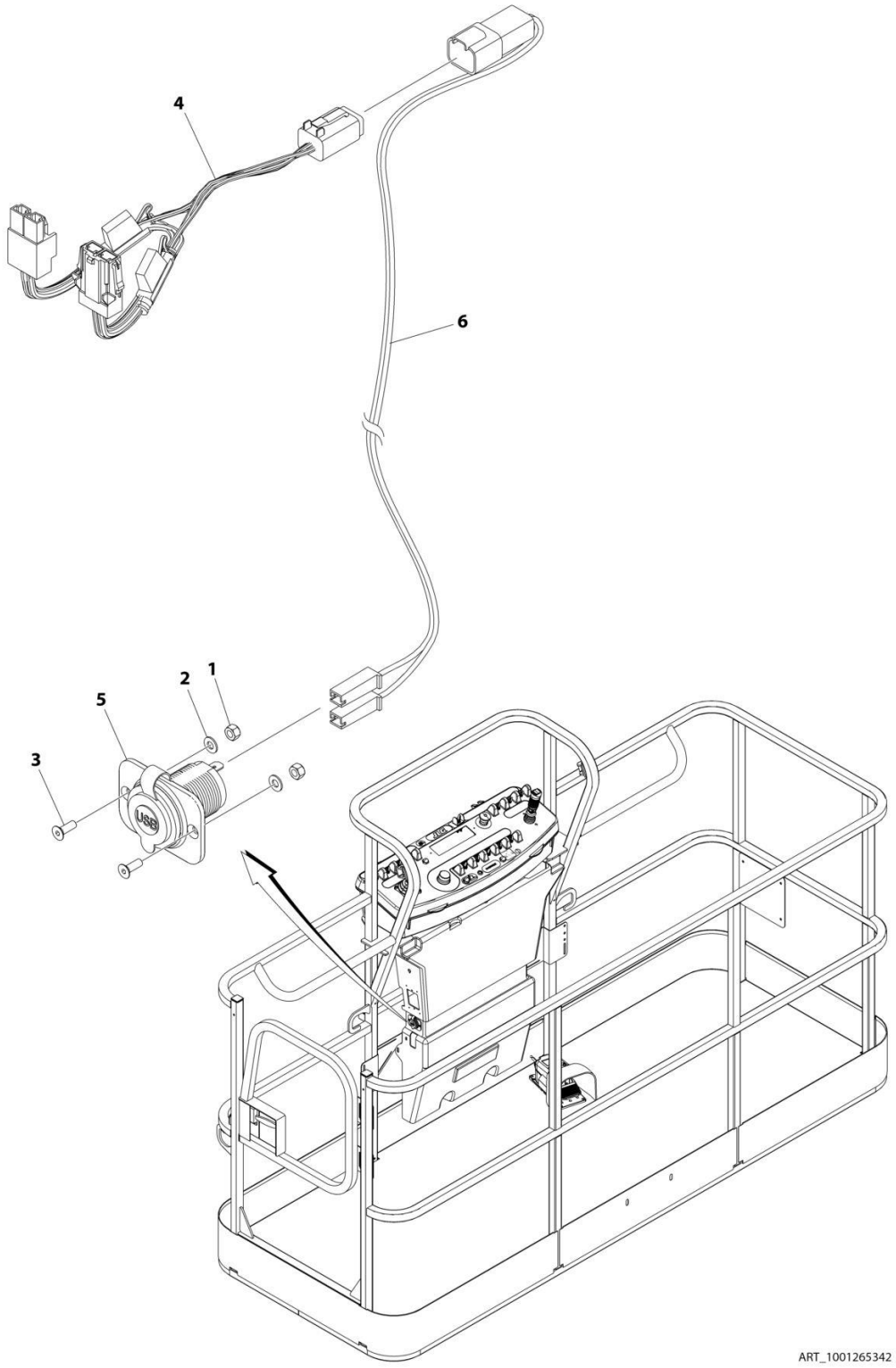


FIGURE 5-34. USB CHARGER INSTALLATION

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	

FIGURE 5-35. WELDER ASSEMBLY

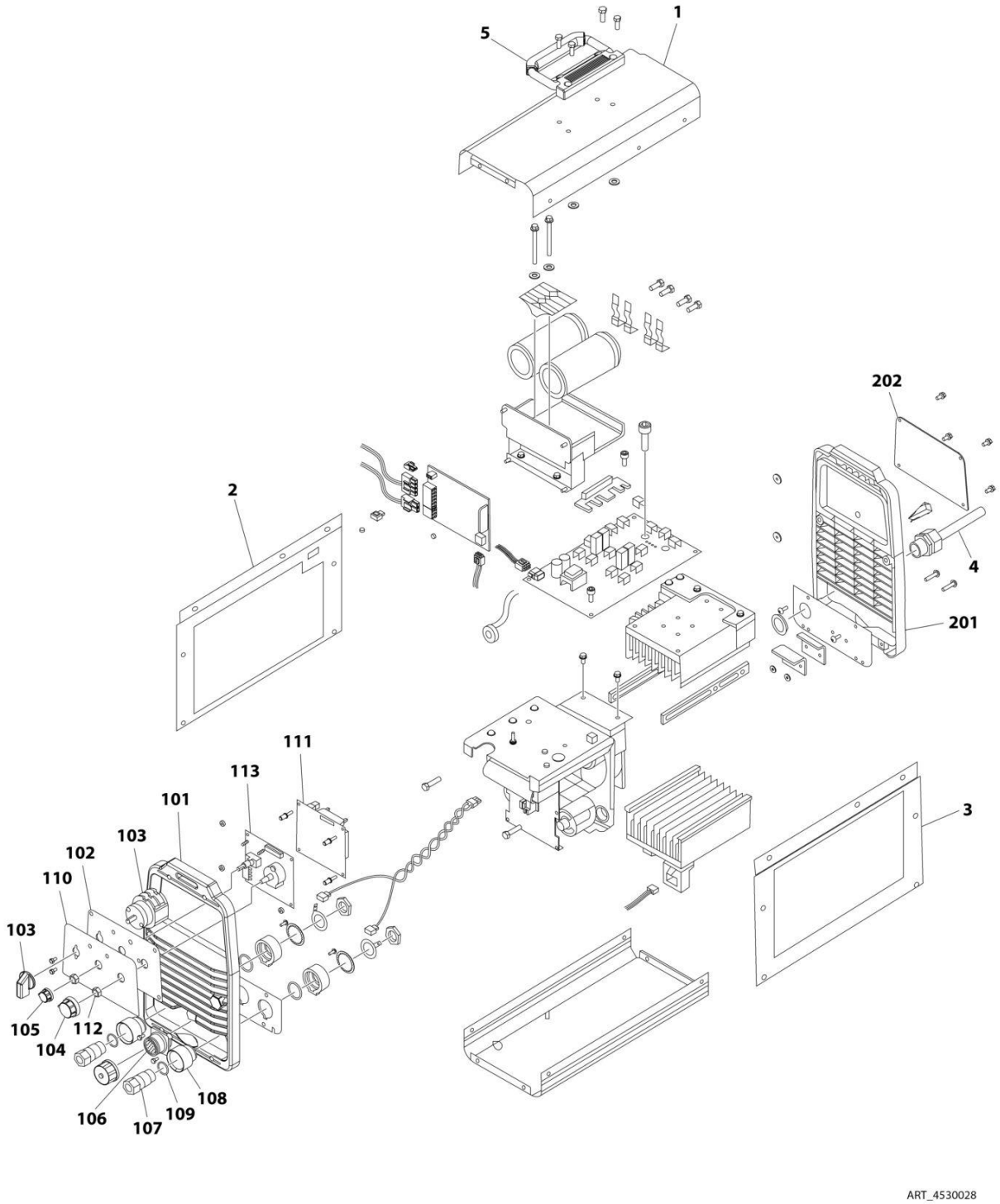


FIGURE 5-35. WELDER ASSEMBLY

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

SECTION 6 - CYLINDER

SECTION 6 - CYLINDER

FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

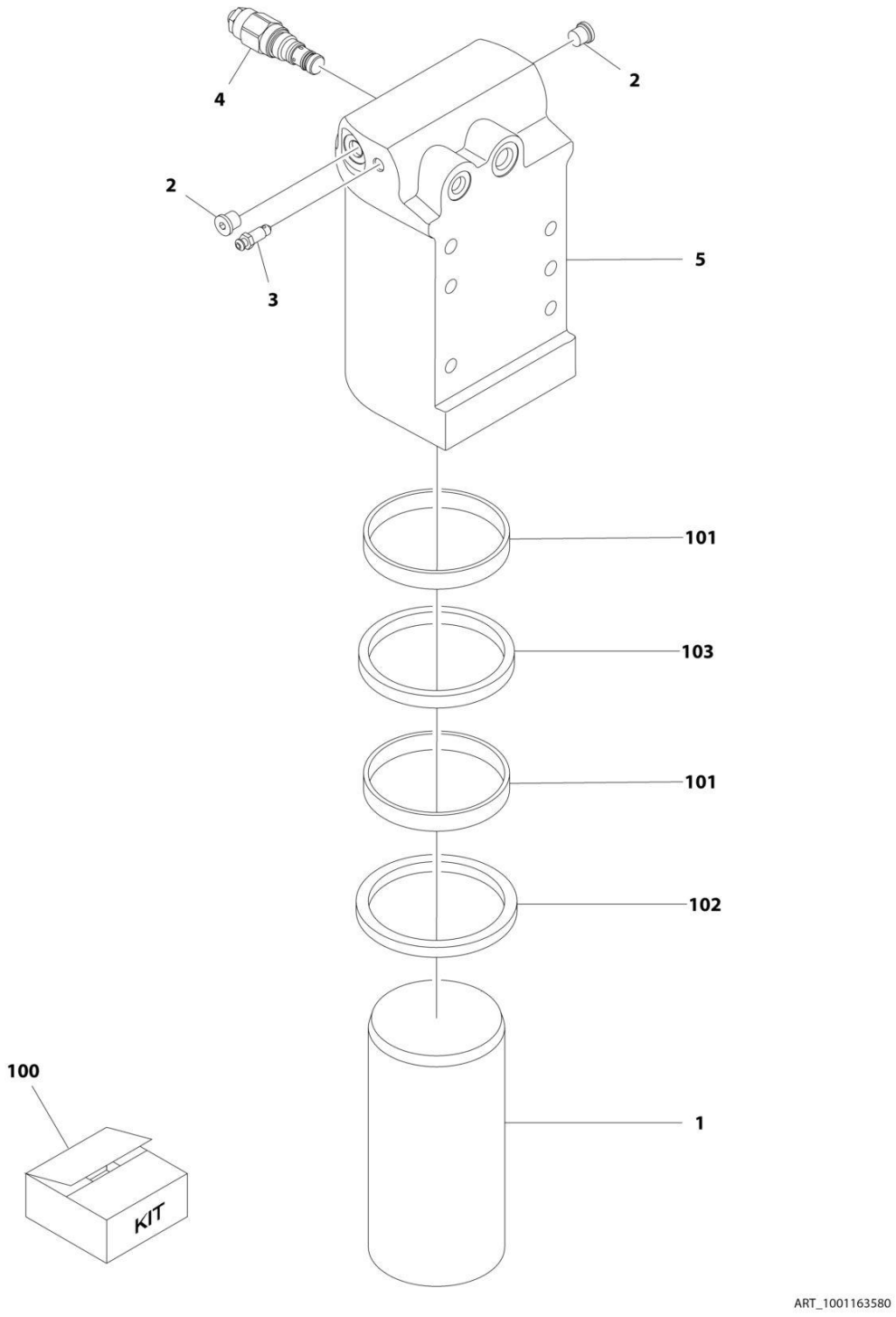


FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163580	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	I
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1684290	1	Rod	
2	2220883	2	Plug #4	
3	4640858	1	Valve, Bleeder	
4	1001117372	1	Cartridge, Valve	
4	70002842	1	Seal Kit - 1001117372 Valve	
5	1001164817	1	Barrel	
100	2902266	NLA	Seal Kit - 1001163590 Cylinder (Includes Items 101-103)	
101	See Note	NSS	Ring, Wear (Note: Use Item 100)	
102	See Note	NSS	Seal (Note: Use Item 100)	
103	See Note	NSS	Wiper (Note: Use Item 100)	

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

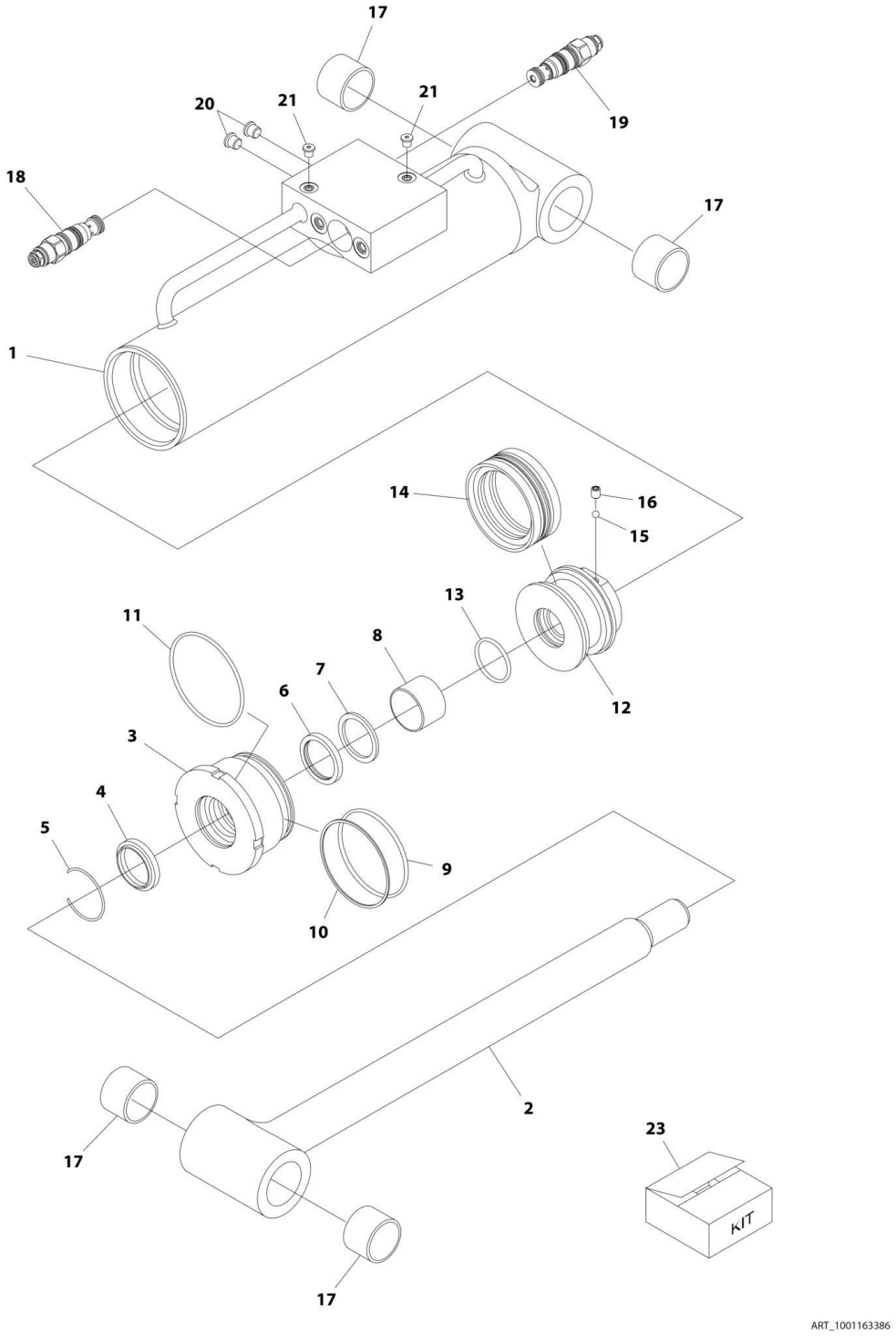


FIGURE 6-2. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY

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

SECTION 6 - CYLINDER

FIGURE 6-3. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY - 1K45FT (460SJ)

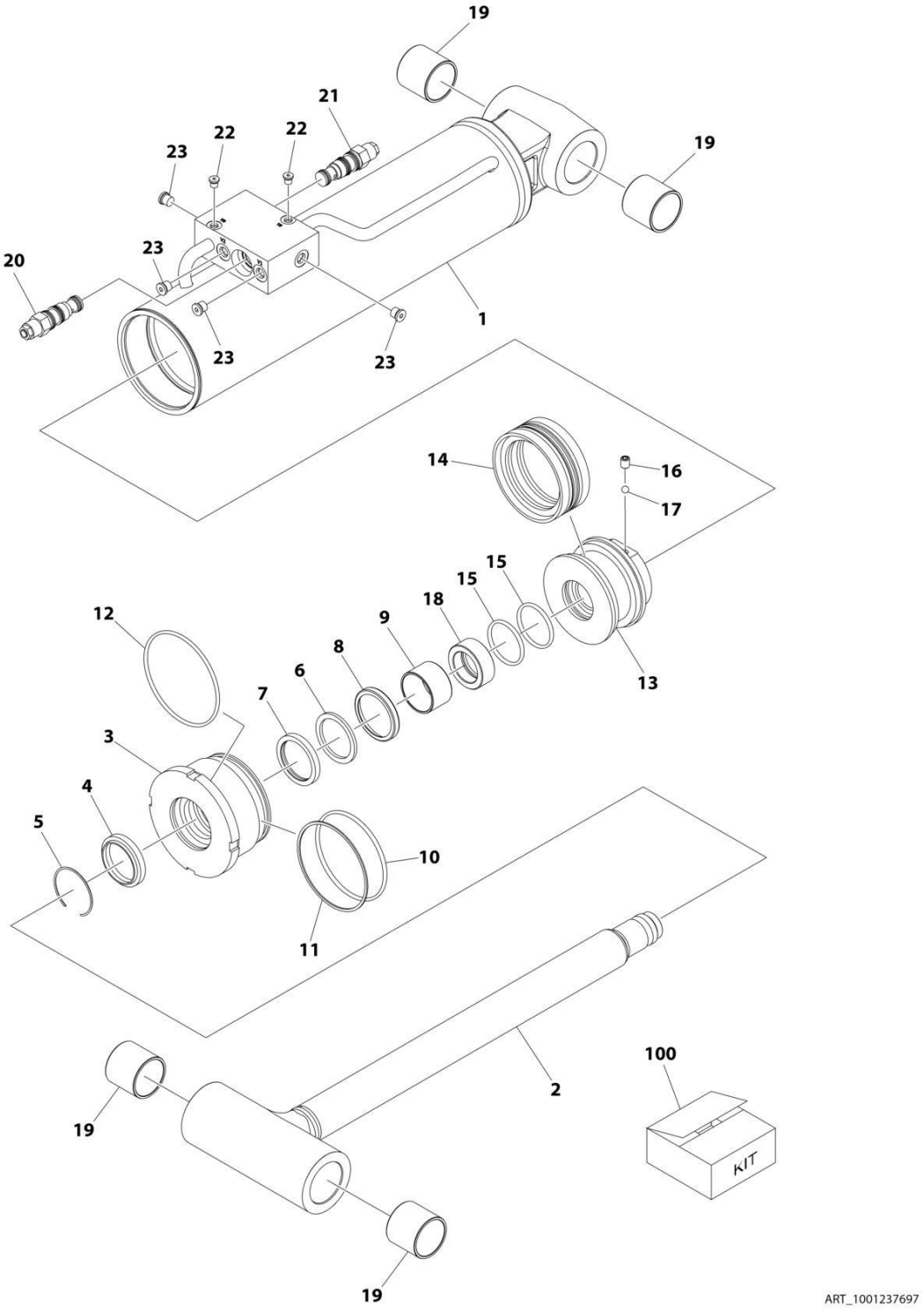


FIGURE 6-3. LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237697	Ref	LEVEL (PLATFORM SLAVE) CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001237697)	
2	70007168	1	Rod	
3	70007157	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70002410	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	See Note	NSS	Ring (Note: Use Item 100)	
9	70004237	1	Bearing, Dry	
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	70007161	1	Piston	
14	See Note	NSS	Seal, Piston (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	70023369	1	Setscrew	
17	70022564	1	Ball	
18	70007169	1	Spacer	
19	70007159	4	Bearing	
20	1001168209	1	Cartridge, Valve	
20	2900770	1	Seal Kit - 1001168209 Valve	
21	1001168210	1	Cartridge, Valve	
21	2900770	1	Seal Kit - 1001168210 Valve	
22	2220881	2	Plug, O-Ring 5/16	
23	2220883	4	Plug 7/16	
100	70007160	1	Seal Kit - 1001237697 Cylinder (Includes Items 4, 6, 7, 8, 10, 11, 12, 14 & 15)	

FIGURE 6-4. LIFT CYLINDER ASSEMBLY - MAIN BOOM

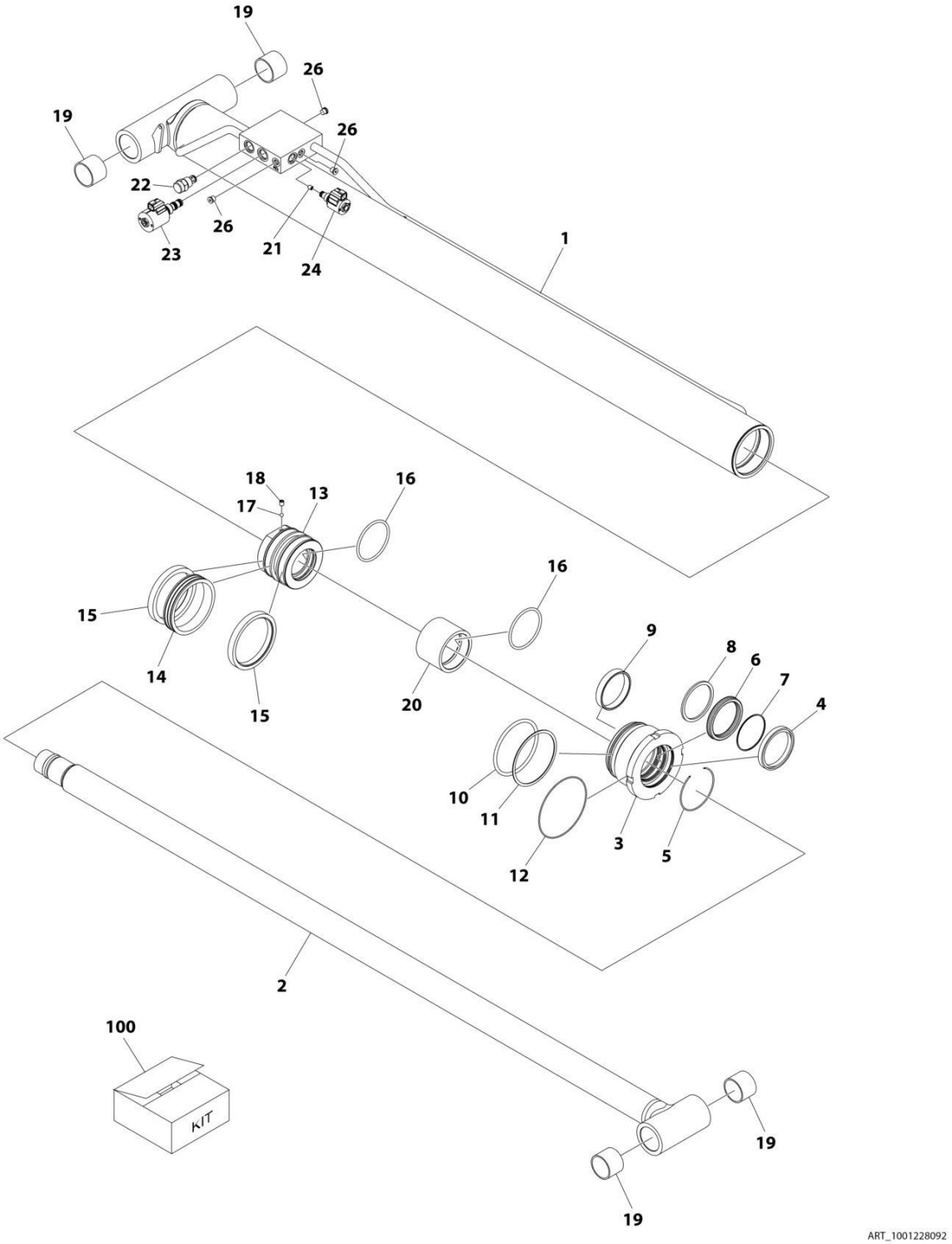


FIGURE 6-4. LIFT CYLINDER ASSEMBLY - MAIN BOOM

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 6-5. LIFT CYLINDER ASSEMBLY - JIB

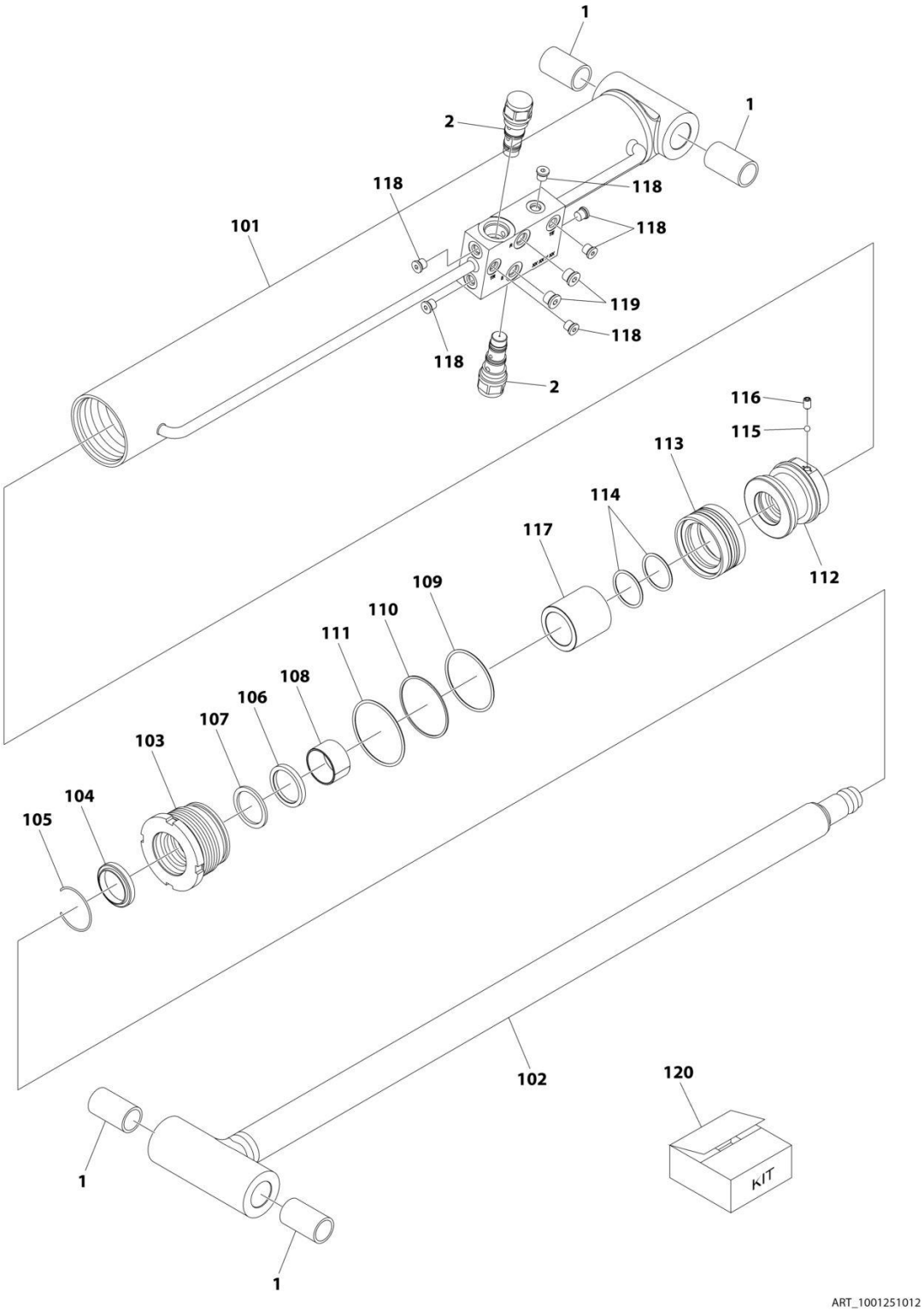


FIGURE 6-5. LIFT CYLINDER ASSEMBLY - JIB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251012	Ref	LIFT CYLINDER ASSEMBLY - JIB	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0962336	4	Bushing	
2	4640509	2	Cartridge, Valve	
2	2900792	2	Seal Kit - 4640509 Valve	
101	See Note	NSS	Tube (Note: Not Available for Purchase)	
102	70008175	1	Rod	
103	70008176	1	Head	
104	See Note	NSS	Wiper, Dust (Note: Use Item 120)	
105	70002373	1	Ring, Retaining	
106	See Note	NSS	Seal, Rod (Note: Use Item 120)	
107	See Note	NSS	Ring, Backup (Note: Use Item 120)	
108	70005871	1	Bushing	
109	See Note	NSS	O-Ring (Note: Use Item 120)	
110	See Note	NSS	Ring, Backup (Note: Use Item 120)	
111	See Note	NSS	O-Ring (Note: Use Item 120)	
112	70008177	1	Piston	
113	See Note	NSS	Seal, Piston (Note: Use Item 120)	
114	See Note	NSS	O-Ring (Note: Use Item 120)	
115	70022564	1	Ball, Steel	
116	70006596	1	Setscrew	
117	70008178	1	Spacer	
118	2220883	6	Plug 7/16	
119	2220885	2	Plug 9/16	
120	70008179	1	Seal Kit (Includes Items 104, 106-107, 109-111 & 113-114)	

FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB - 1K45FT (460SJ)

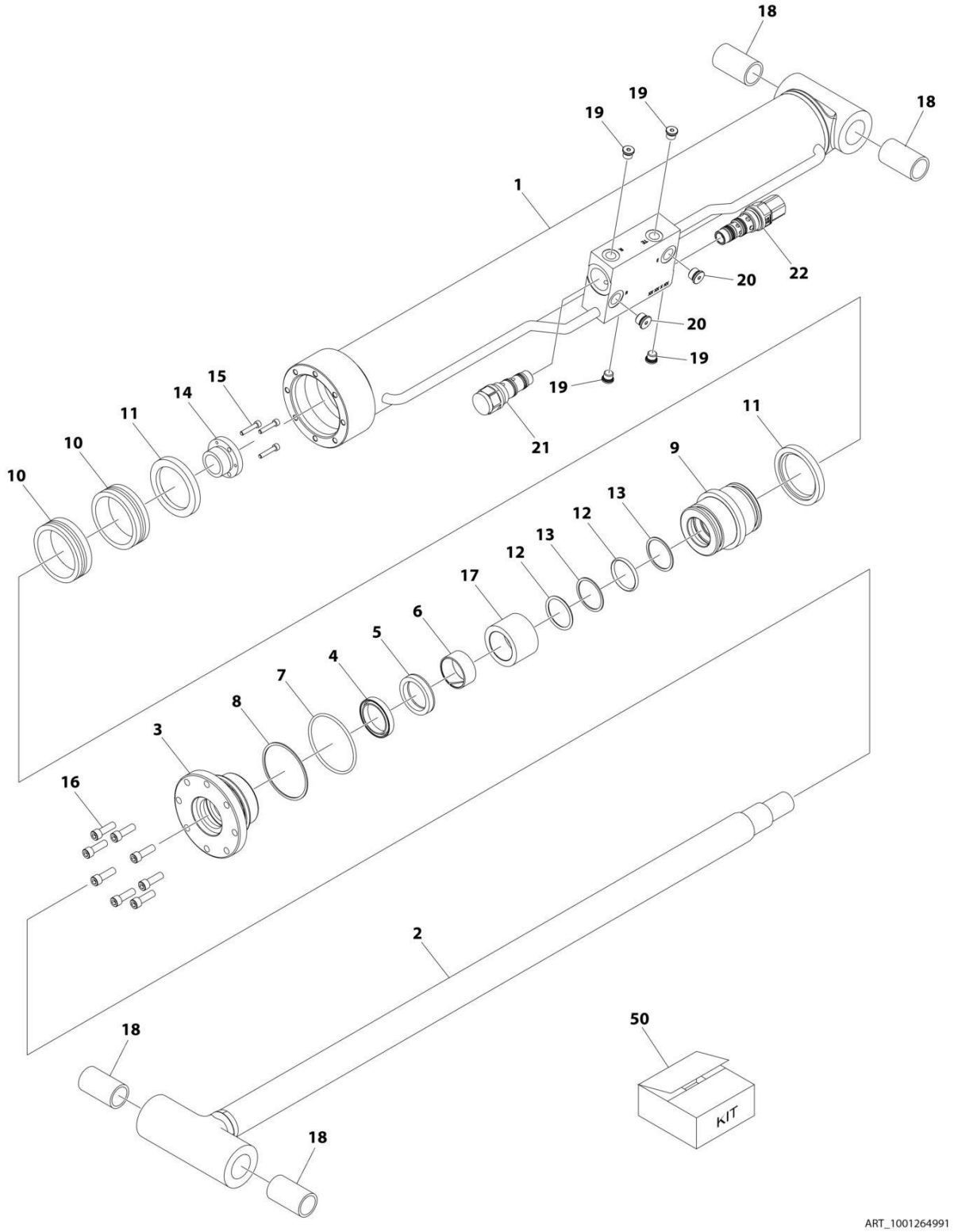


FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264991	Ref	LIFT CYLINDER ASSEMBLY - JIB	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001264991)	
2	70006734	1	Rod	
3	70006649	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 50)	
5	See Note	NSS	Seal, Rod (Note: Use Item 50)	
6	See Note	NSS	Ring, Wear (Note: Use Item 50)	
7	See Note	NSS	O-Ring (Note: Use Item 50)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
9	70006650	1	Piston	
10	See Note	NSS	Ring, Hydro Lock (Note: Use Item 50)	
11	See Note	NSS	Ring, Guide Lock (Note: Use Item 50)	
12	See Note	NSS	O-Ring (Note: Use Item 50)	
13	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
14	0961893	1	Bushing, Tapered	
15	0630534	3	Capscrew	
16	70006735	8	Capscrew	
17	70006736	1	Spacer	
18	0962336	4	Bearing	
19	70023370	4	Plug	
20	70023371	2	Plug	
21	4640509	1	Cartridge, Counterbalance Valve	
21	2900792	1	Seal Kit - 4640509 Valve	
22	1001263800	1	Cartridge, Counterbalance Valve	
22	70004186	1	Seal Kit - 1001263800 Valve	
50	1001138795	1	Seal Kit - 1001264991 Cylinder (Includes Items 4-8 & 10-13)	

FIGURE 6-7. MASTER CYLINDER ASSEMBLY

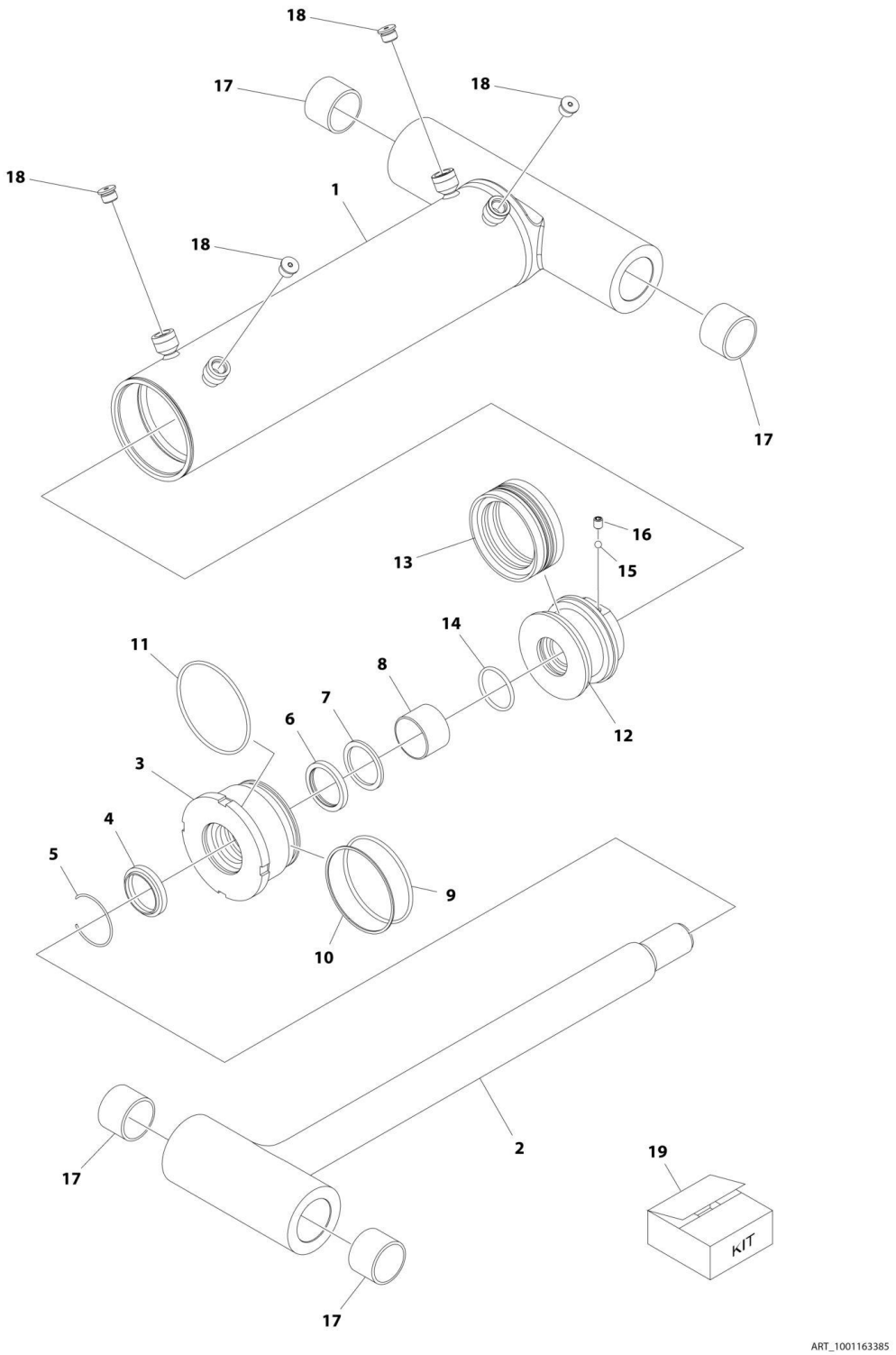


FIGURE 6-7. MASTER CYLINDER ASSEMBLY

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

SECTION 6 - CYLINDER

FIGURE 6-8. MASTER CYLINDER ASSEMBLY - 1K45FT (460SJ)

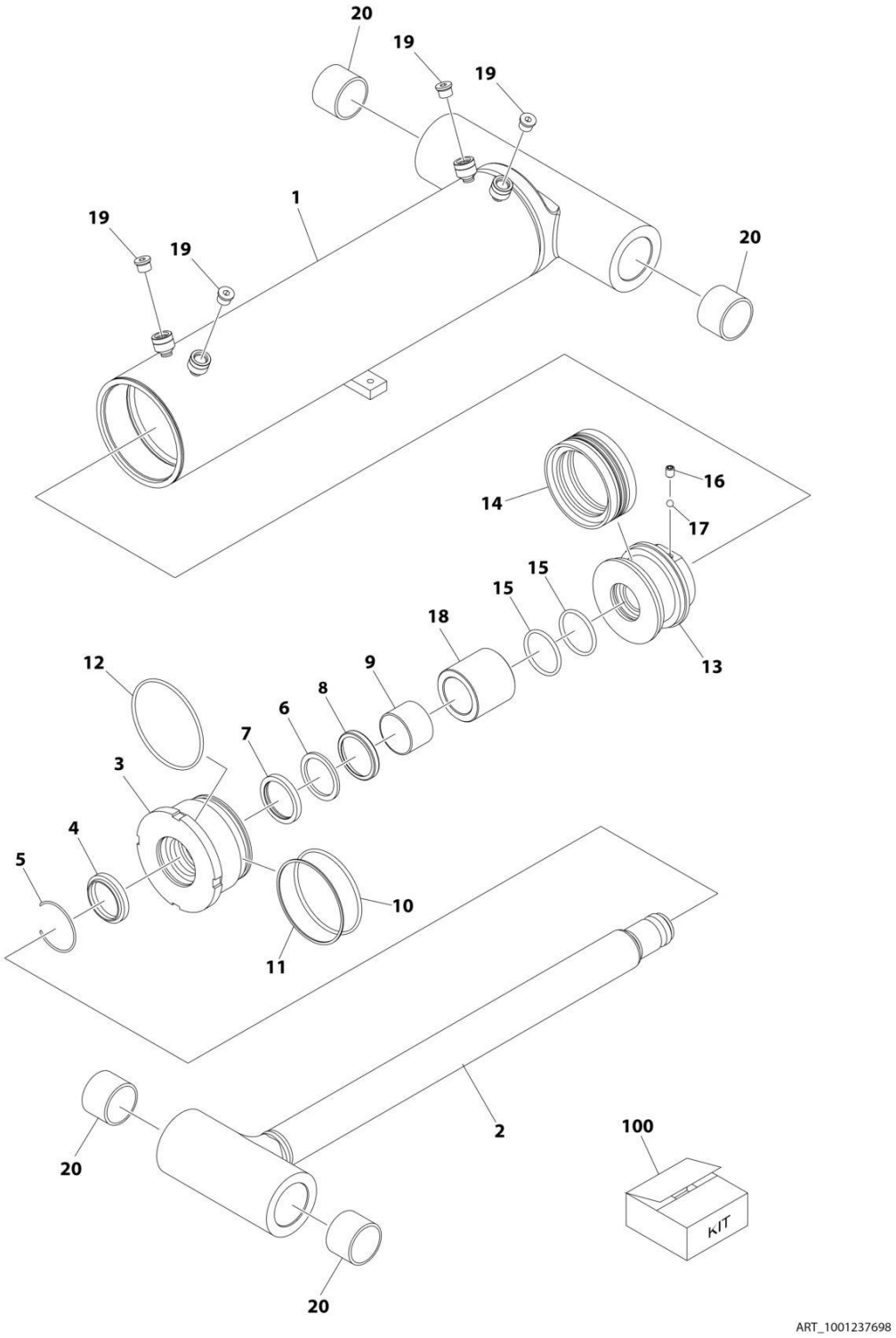


FIGURE 6-8. MASTER CYLINDER ASSEMBLY - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237698	Ref	MASTER 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	
2	70007156	1	Rod	
3	70007157	1	Head, Cylinder	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70002410	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	See Note	1	Ring (Note: Use Item 100)	
9	70004237	1	Bearing, Dry	
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	70007161	1	Piston	
14	See Note	NSS	Seal, Piston	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	70023369	1	Setscrew M8 x 31.75	
17	70022564	1	Ball	
18	70007158	1	Spacer	
19	2220885	1	Plug 9/16	
20	70005145	4	Bearing	
100	70005146	1	Seal Kit - 1001237698 Cylinder (Includes Items 4, 6, 7, 8, 10, 11, 12, 14 & 15)	

FIGURE 6-9. STEER CYLINDER ASSEMBLY

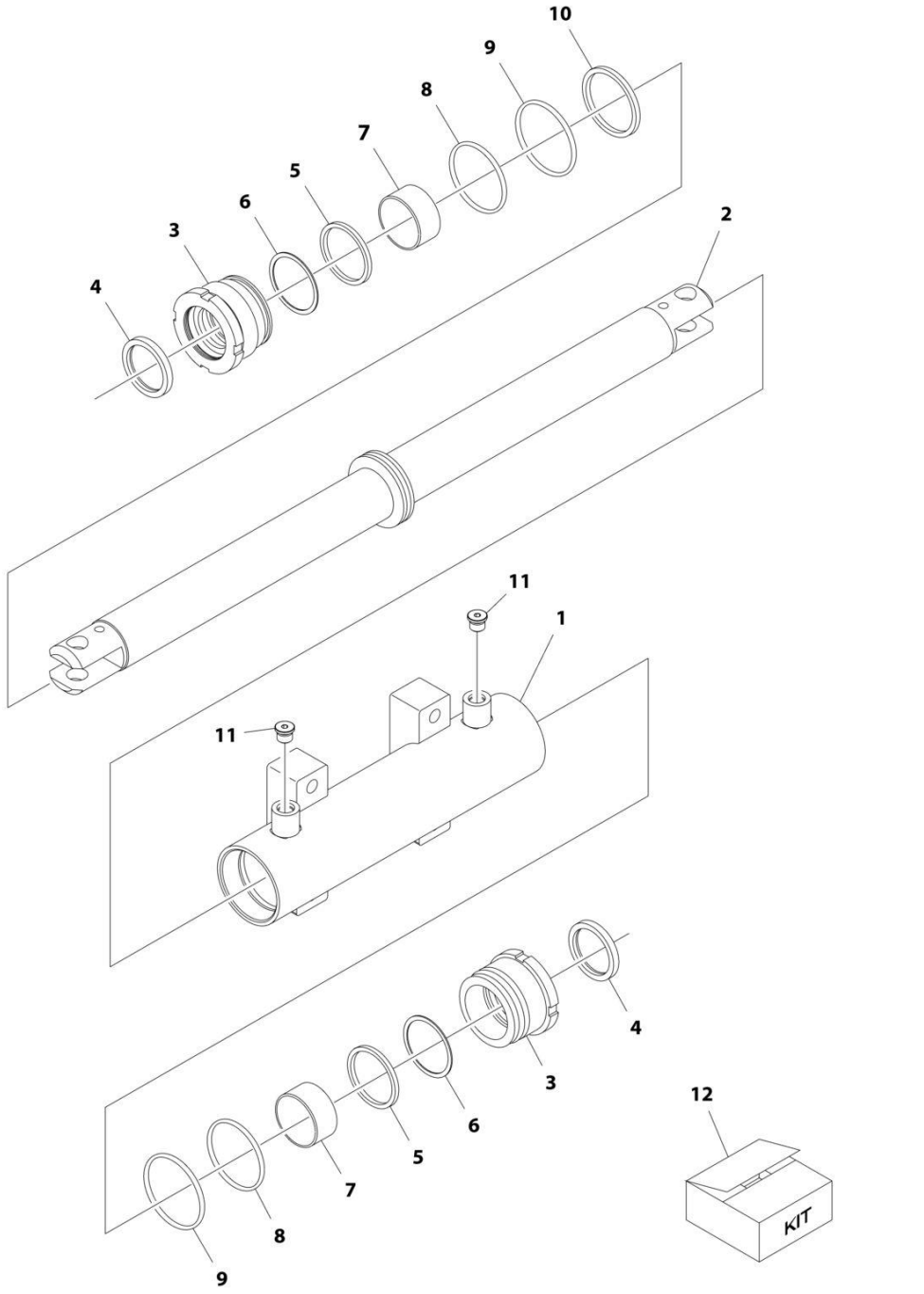


FIGURE 6-9. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163178	Ref	STEER CYLINDER ASSEMBLY	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005150	1	Barrel	
2	70005151	1	Rod	
3	70005152	2	Head	
4	See Note	NSS	Wiper (Note: Use Item 12)	
5	See Note	NSS	Seal, Rod (Note: Use Item 12)	
6	See Note	NSS	Ring, Back-up (Note: Use Item 12)	
7	70005153	2	Bearing, Dry	
8	See Note	NSS	O-Ring (Note: Use Item 12)	
9	See Note	NSS	O-Ring (Note: Use Item 12)	
10	See Note	NSS	Seal, Piston (Note: Use Item 12)	
11	See Note	2	Plug 9/16 (Note: Not Available for Purchase)	
12	70005154	1	Seal Kit - 1001163178 Cylinder (Includes Items 4-6 & 8-10)	

FIGURE 6-10. TELESCOPE CYLINDER ASSEMBLY

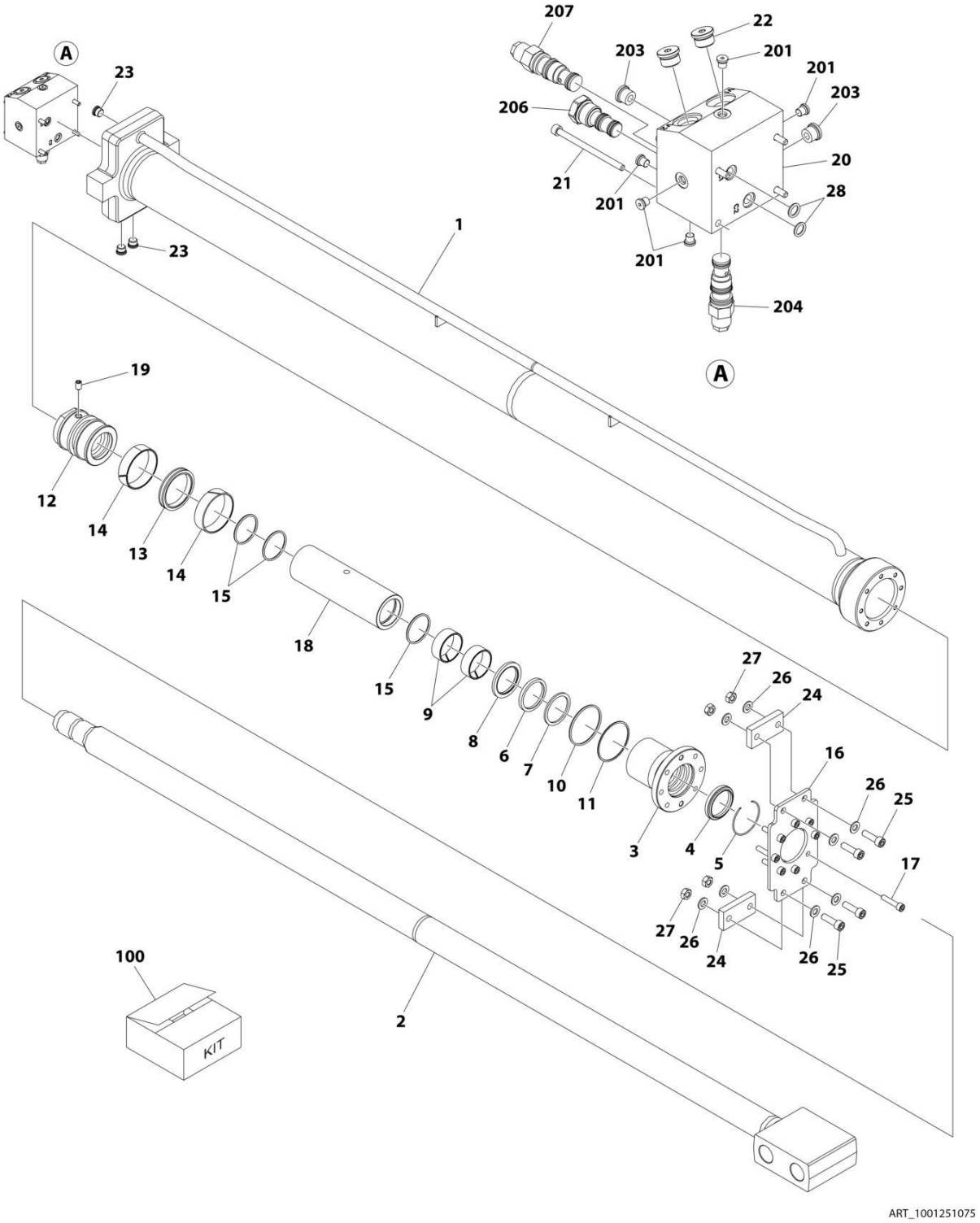


FIGURE 6-10. TELESCOPE CYLINDER ASSEMBLY

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	

FIGURE 6-11. TELESCOPE CYLINDER ASSEMBLY - 1K45FT (460SJ)

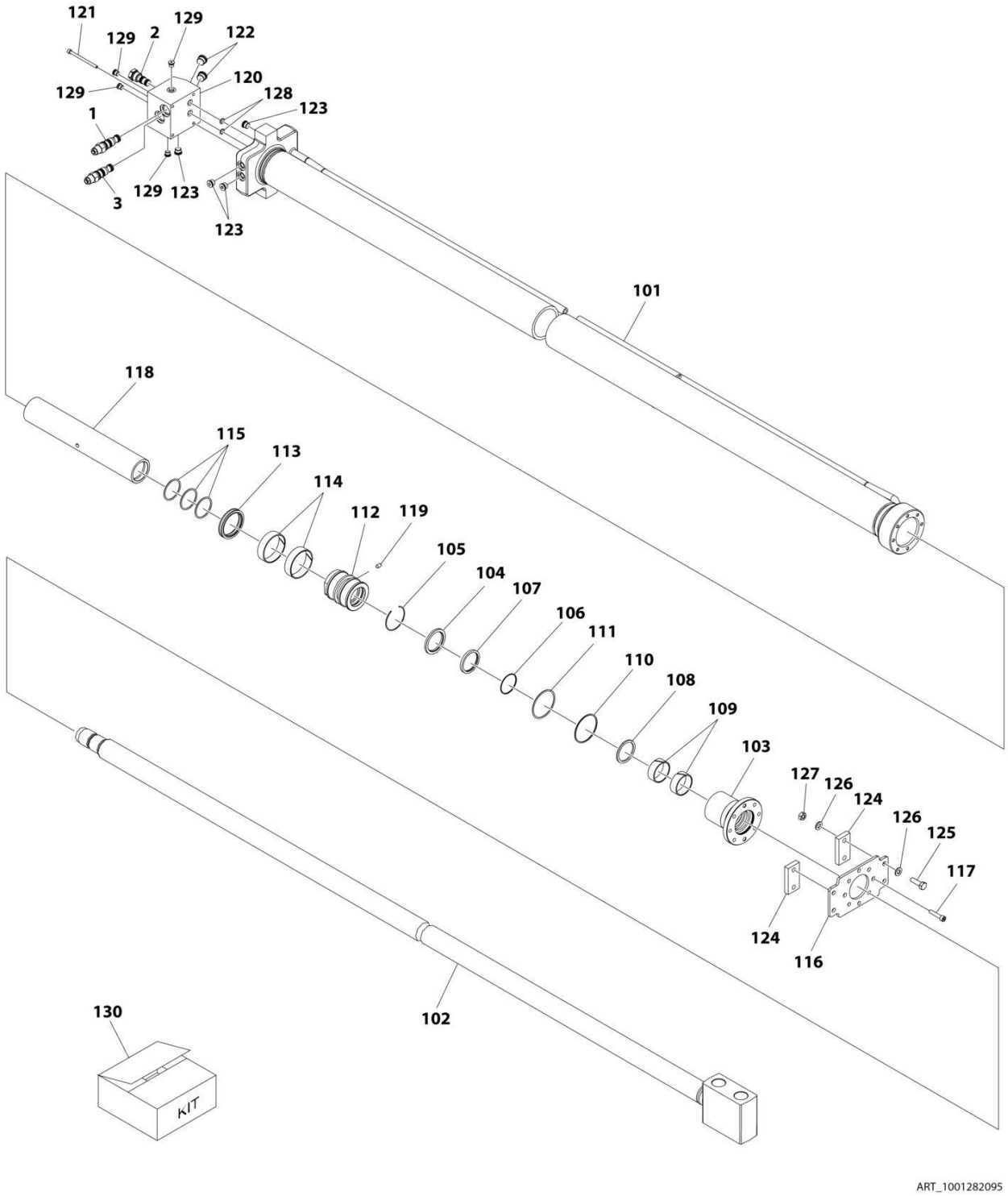
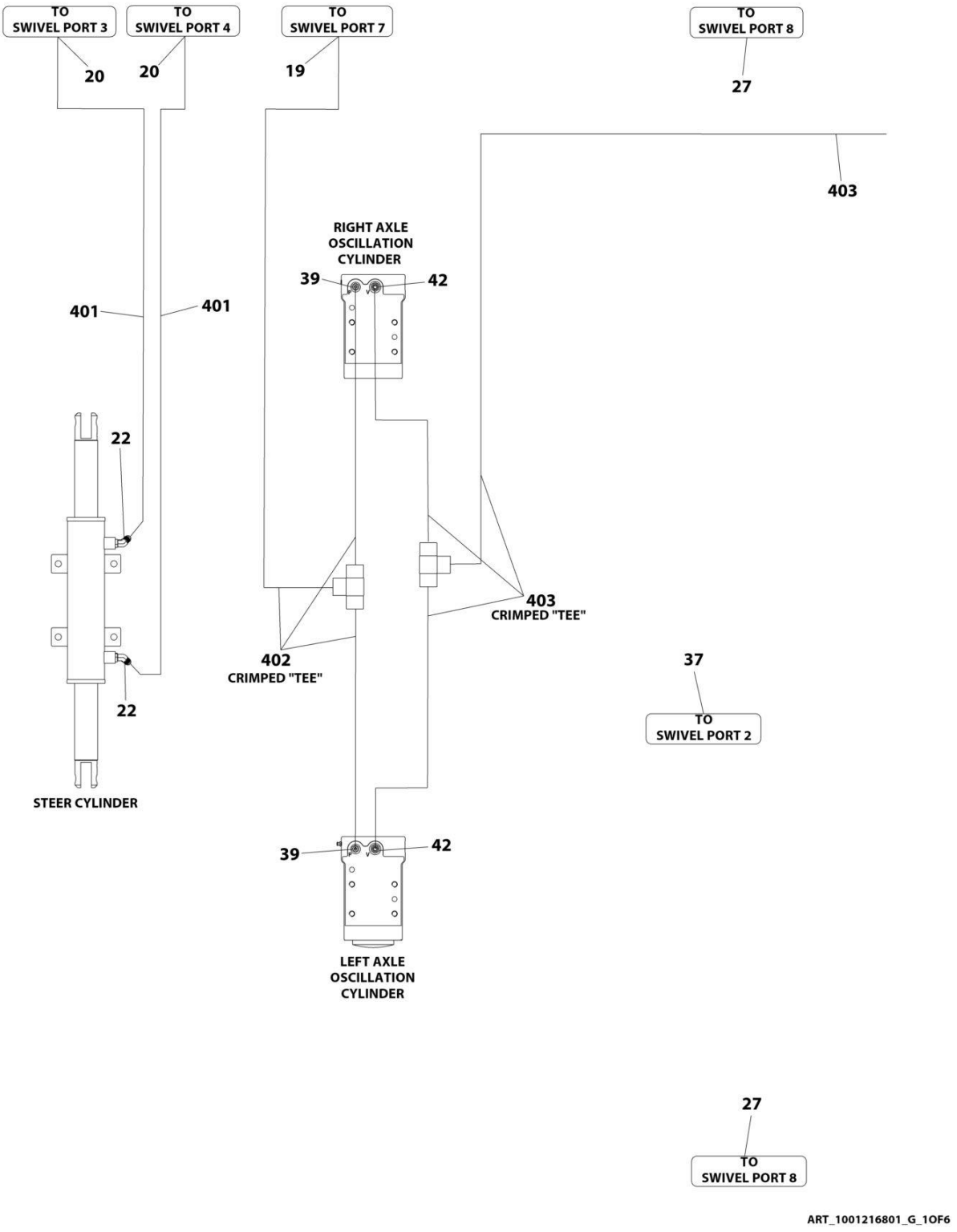


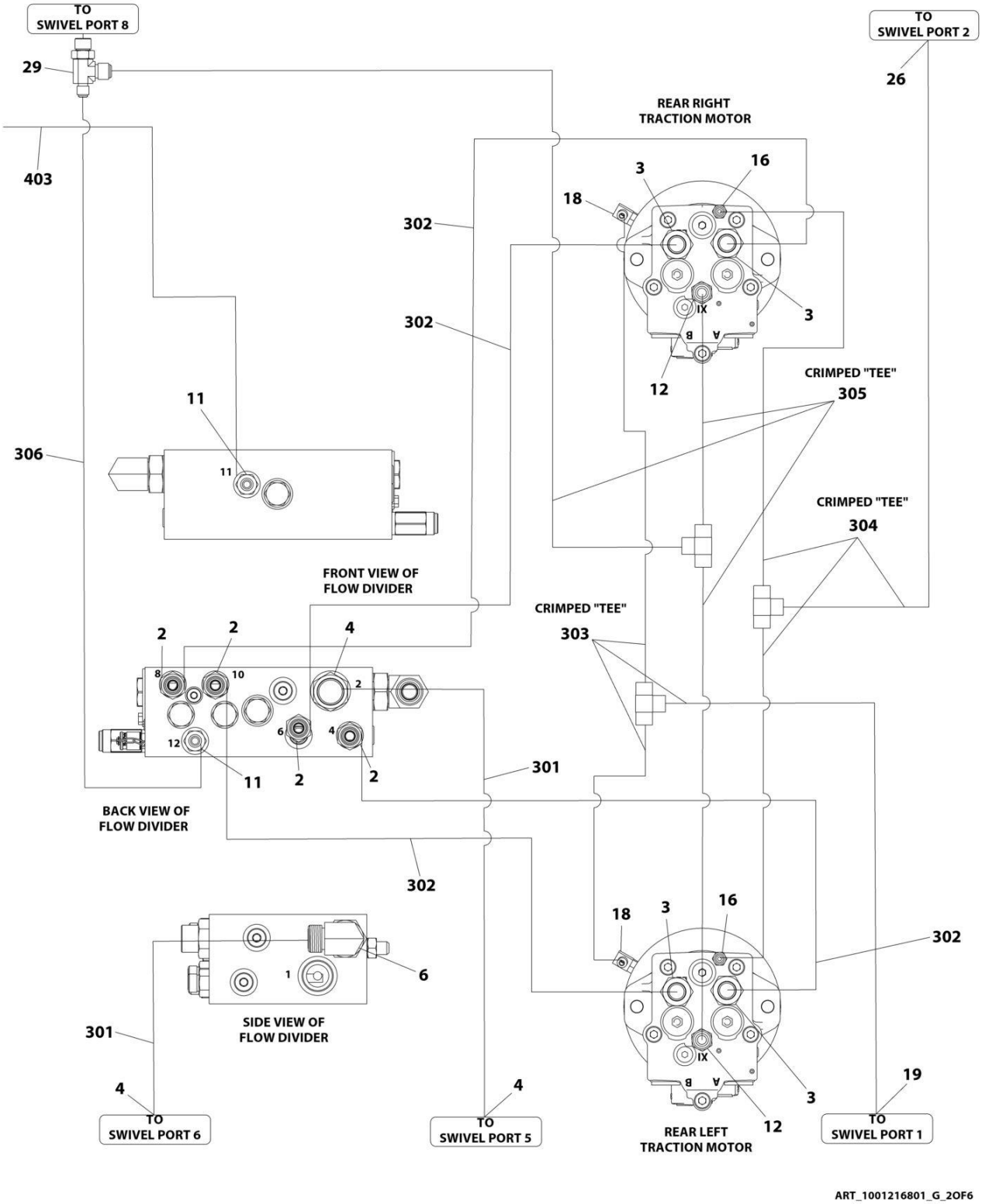
FIGURE 6-11. TELESCOPE CYLINDER ASSEMBLY - 1K45FT (460SJ)

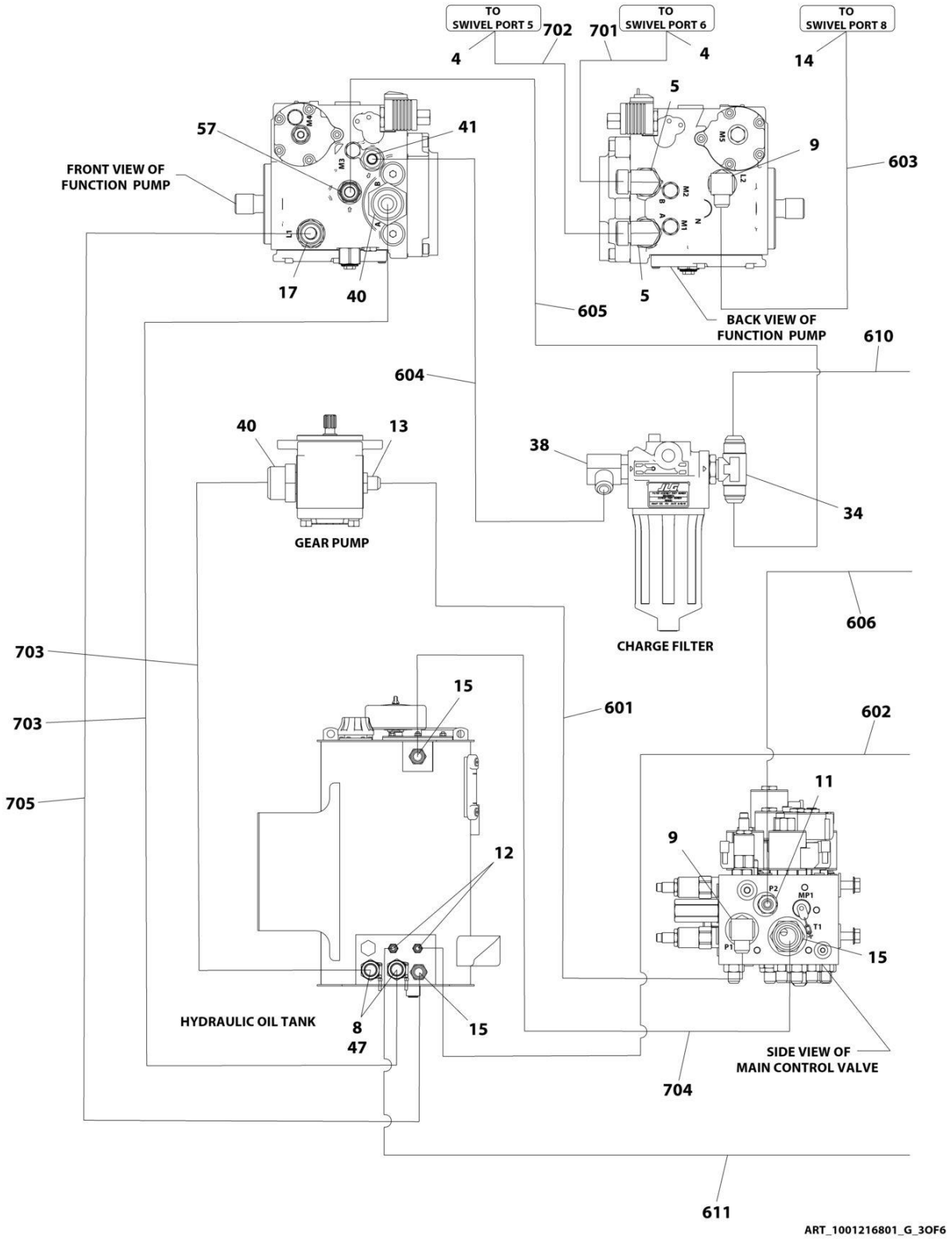
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282095	Ref	TELESCOPE CYLINDER ASSEMBLY	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	4640452	1	Cartridge, Counter Balance Valve (Note: No Seal Kit Available. Purchase Complete Assembly)	
2	1001165363	1	Cartridge, Shuttle Valve	
2	7012518	1	Seal Kit - 1001165363 Valve	
3	1001168209	1	Cartridge, Counter Balance Valve	
3	2900770	1	Seal Kit - 1001168209 Valve	
101	See Note	NSS	Tube (Note: Not Available for Purchase)	
102	70007062	1	Rod	
103	70007063	1	Head	
104	See Note	NSS	Wiper, Dust (Note: Use Item 130)	
105	70002412	1	Ring, Retaining	
106	See Note	NSS	Seal, Rod (Note: Use Item 130)	
107	See Note	NSS	Ring, Backup (Note: Use Item 130)	
108	See Note	NSS	Ring, Buffer (Note: Use Item 130)	
109	See Note	NSS	Ring, Wear (Note: Use Item 130)	
110	See Note	NSS	O-Ring (Note: Use Item 130)	
111	See Note	NSS	Ring, Backup (Note: Use Item 130)	
112	70007064	1	Piston	
113	See Note	NSS	Seal, Piston (Note: Use Item 130)	
114	See Note	NSS	Ring, Wear (Note: Use Item 130)	
115	See Note	NSS	O-Ring (Note: Use Item 130)	
116	70007065	1	Plate	
117	70007066	8	Bolt M8 x 40	
118	70008281	1	Spacer	
119	70005839	1	Screw, Set	
120	See Note	NSS	Valve Block (Note: Not Available for Purchase)	
121	70007068	4	Bolt M6 x 90	
122	2220886	2	Plug 3/4	
123	2220885	4	Plug 9/16	
124	70007069	2	Pad, Wear	
125	70007070	4	Bolt M10 x 35	
126	70006344	8	Washer	
127	70007071	4	Nut M10	
128	See Note	NSS	O-Ring (Note: Use Item 130)	
129	2220883	4	Plug 7/16	
130	70007072	1	Seal Kit (Includes Items 104, 106-111, 113-115, & 128)	

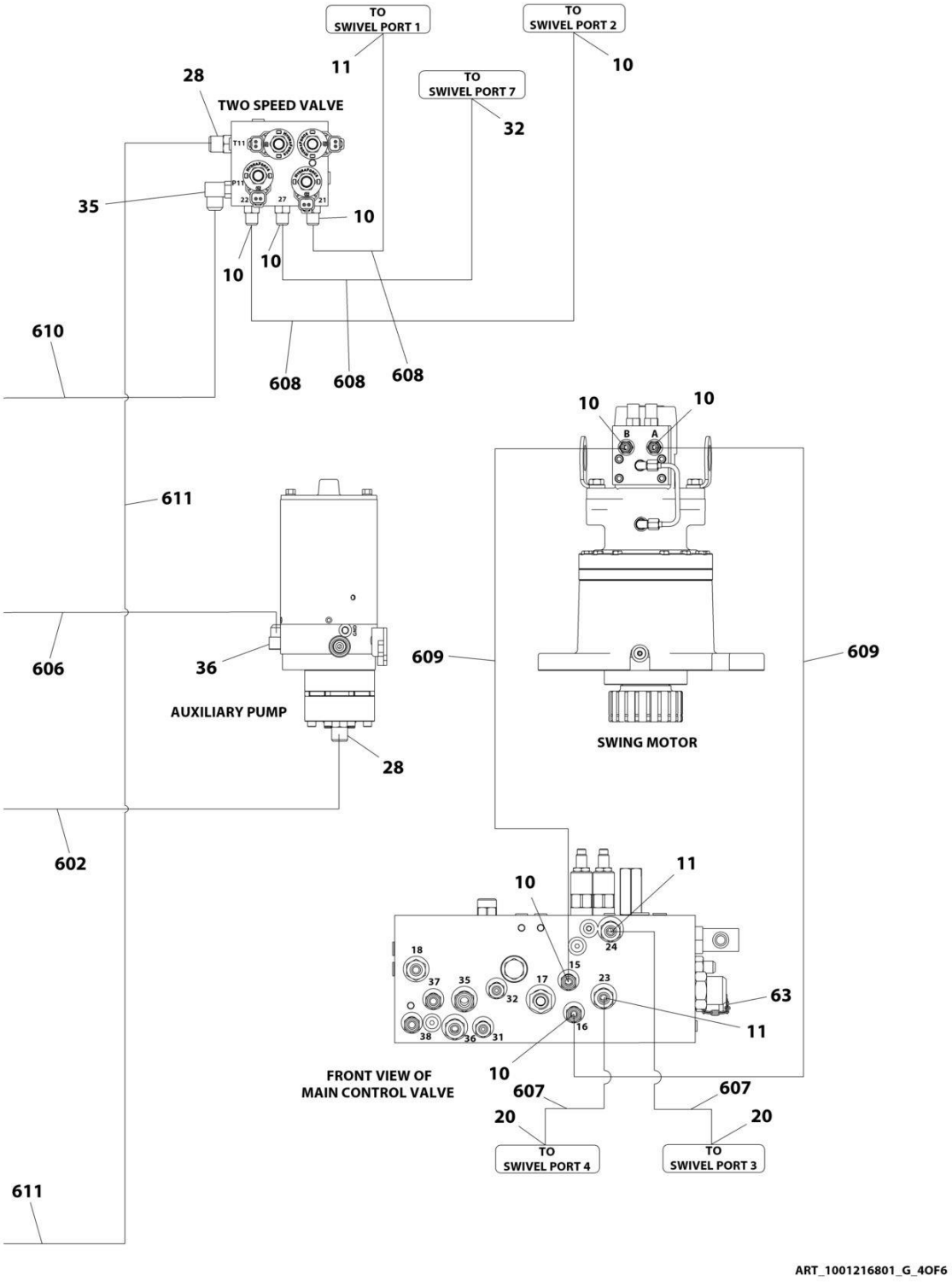
SECTION 7 - HYDRAULIC

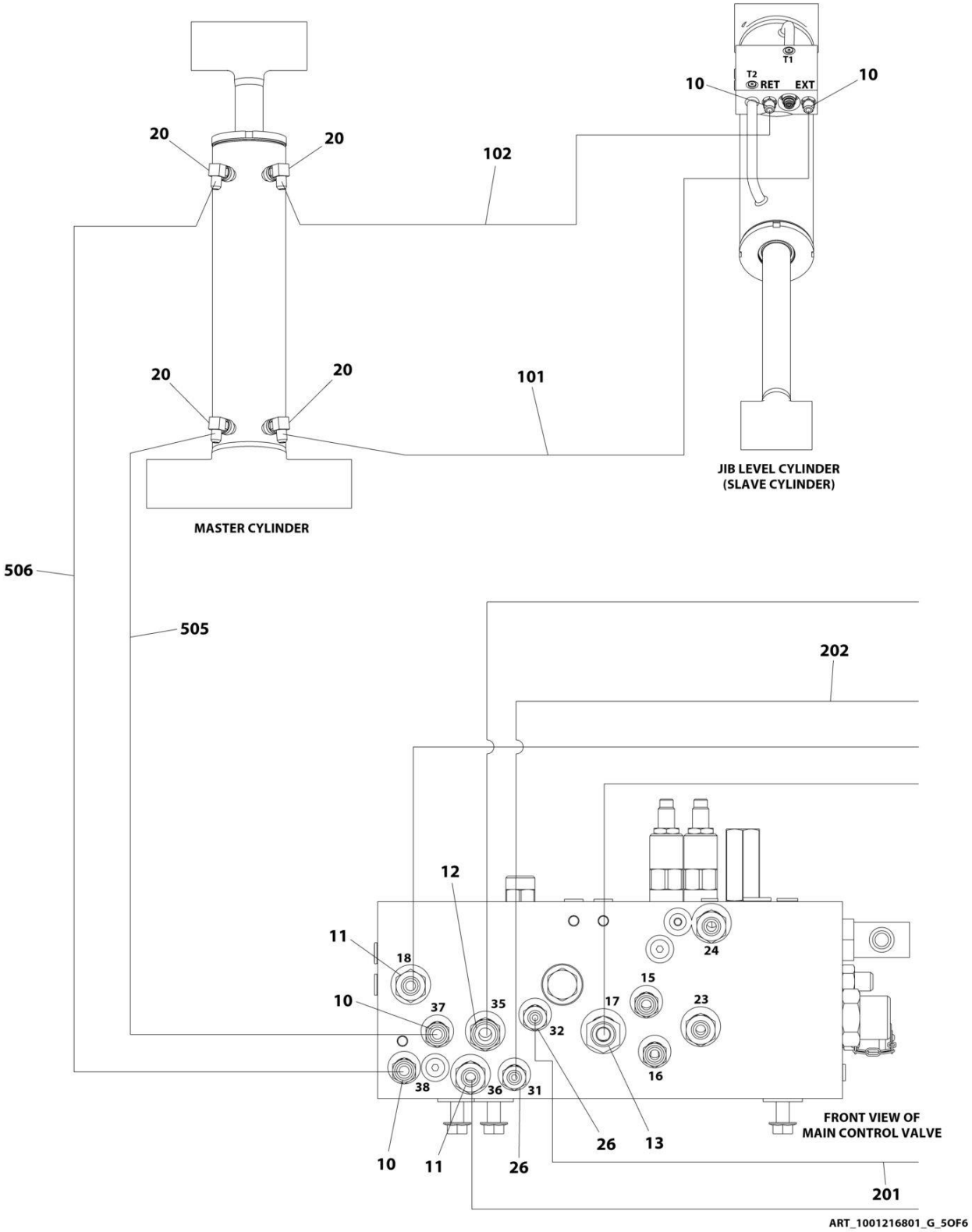
FIGURE 7-1. 2WD HYDRAULIC SYSTEM INSTALLATION (400S)




TO SWIVEL PORT 8
29
403
TO SWIVEL PORT 2
26
REAR RIGHT TRACTION MOTOR
3
16
18
302
3
302
12
CRIMPED "TEE"
305
11
306
11
CRIMPED "TEE"
304
FRONT VIEW OF FLOW DIVIDER
CRIMPED "TEE"
303
2
2
4
8
10
2
12
6
4
11
2
2
301
BACK VIEW OF FLOW DIVIDER
302
18
3
16
302
1
6
SIDE VIEW OF FLOW DIVIDER
301
4
4
19
TO SWIVEL PORT 6
TO SWIVEL PORT 5
3
12
REAR LEFT TRACTION MOTOR
TO SWIVEL PORT 1
ART_1001216801_G_2OF6


TO SWIVEL PORT 5
TO SWIVEL PORT 6
TO SWIVEL PORT 8
4
702
701
4
14
5
57
41
9
603
FRONT VIEW OF FUNCTION PUMP
17
40
5
605
BACK VIEW OF FUNCTION PUMP
610
604
40
13
38
34
GEAR PUMP
CHARGE FILTER
606
703
15
601
602
703
705
11
9
12
15
HYDRAULIC OIL TANK
8
47
15
SIDE VIEW OF MAIN CONTROL VALVE
704
611
ART_1001216801_G_3OF6


TO SWIVEL PORT 1
11
TO SWIVEL PORT 2
10
28
TWO SPEED VALVE
TO SWIVEL PORT 7
32
35
10
10
10
610
608
608
608
10
10
B
A
611
606
36
AUXILIARY PUMP
609
609
SWING MOTOR
28
602
11
10
18
37
35
32
17
15
24
23
63
11
38
36
31
16
FRONT VIEW OF MAIN CONTROL VALVE
10
607
607
20
20
TO SWIVEL PORT 4
TO SWIVEL PORT 3
611
ART_1001216801_G_4OF6


T1
T2
RET
EXT
10
10
20
20
102
20
20
101
JIB LEVEL CYLINDER
(SLAVE CYLINDER)
MASTER CYLINDER
506
505
202
12
11
18
10
37
35
32
17
15
23
24
16
38
36
31
26
13
10
11
26
FRONT VIEW OF
MAIN CONTROL VALVE
201
ART_1001216801_G_5OF6

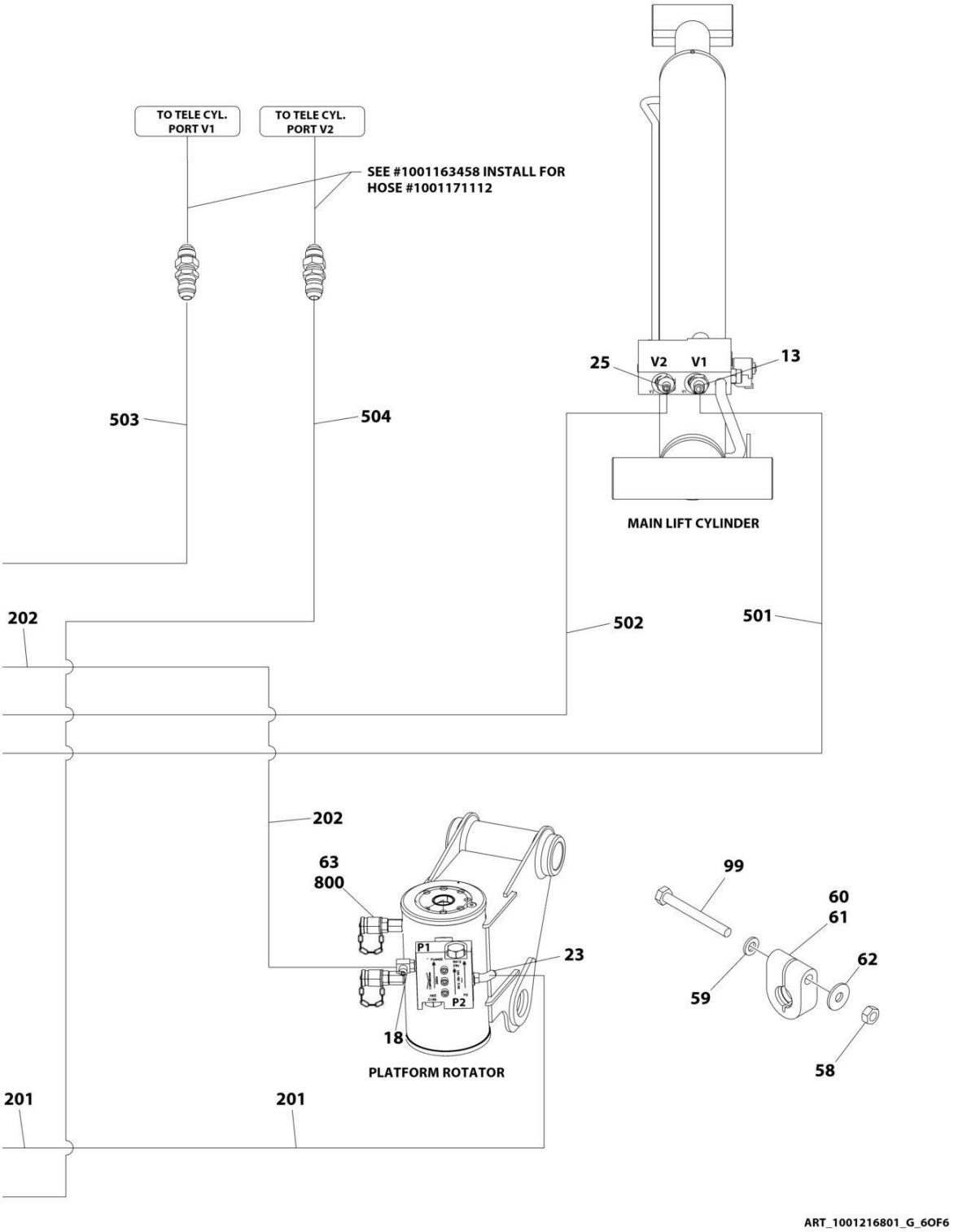
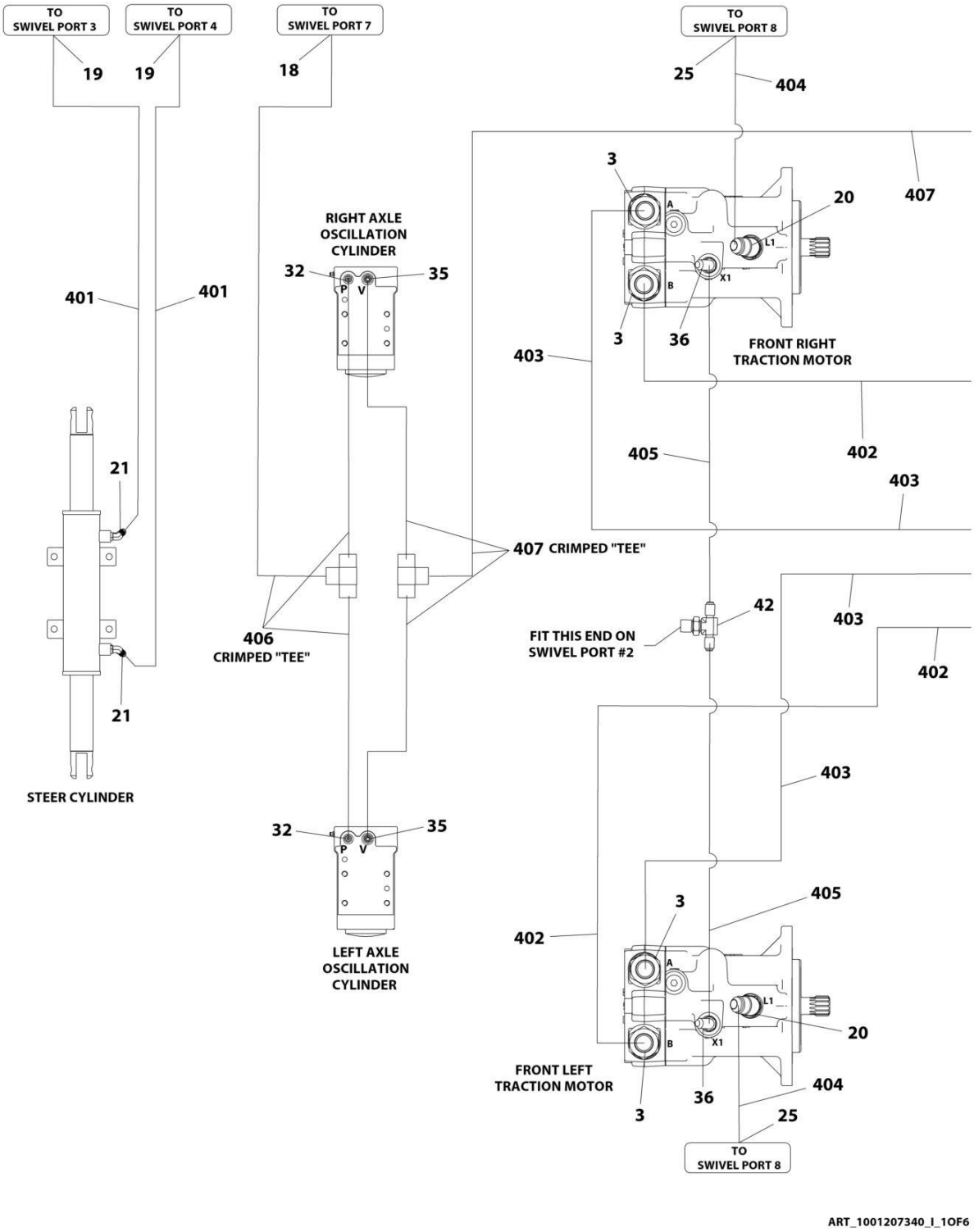

TO TELE CYL. PORT V1
TO TELE CYL. PORT V2
SEE #1001163458 INSTALL FOR HOSE #1001171112
503
504
25
V2
V1
13
MAIN LIFT CYLINDER
202
502
501
202
63
800
P1
P2
23
18
PLATFORM ROTATOR
99
60
61
62
59
58
201
201
ART_1001216801_G_6OF6

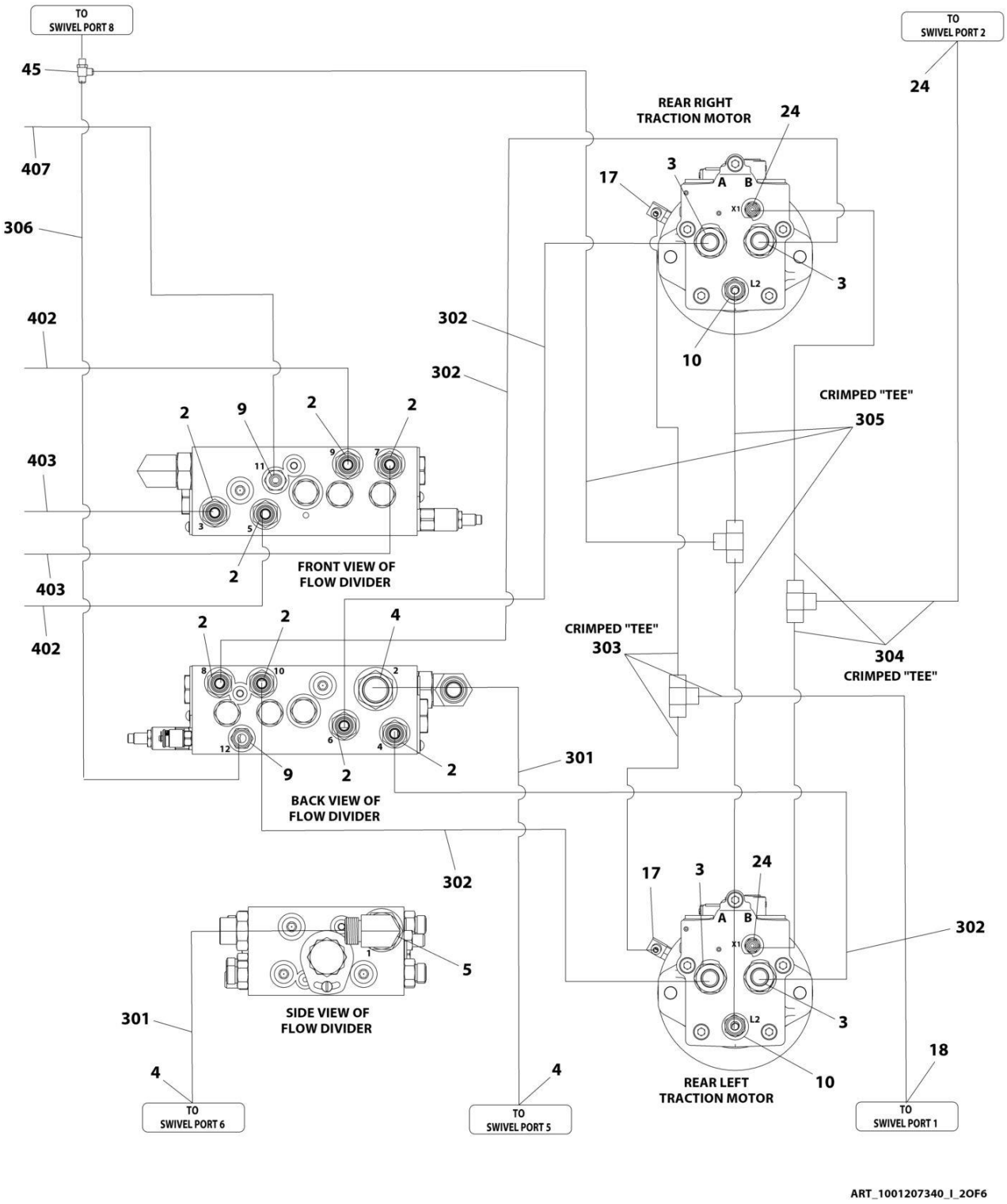
FIGURE 7-1. 2WD HYDRAULIC SYSTEM INSTALLATION (400S)

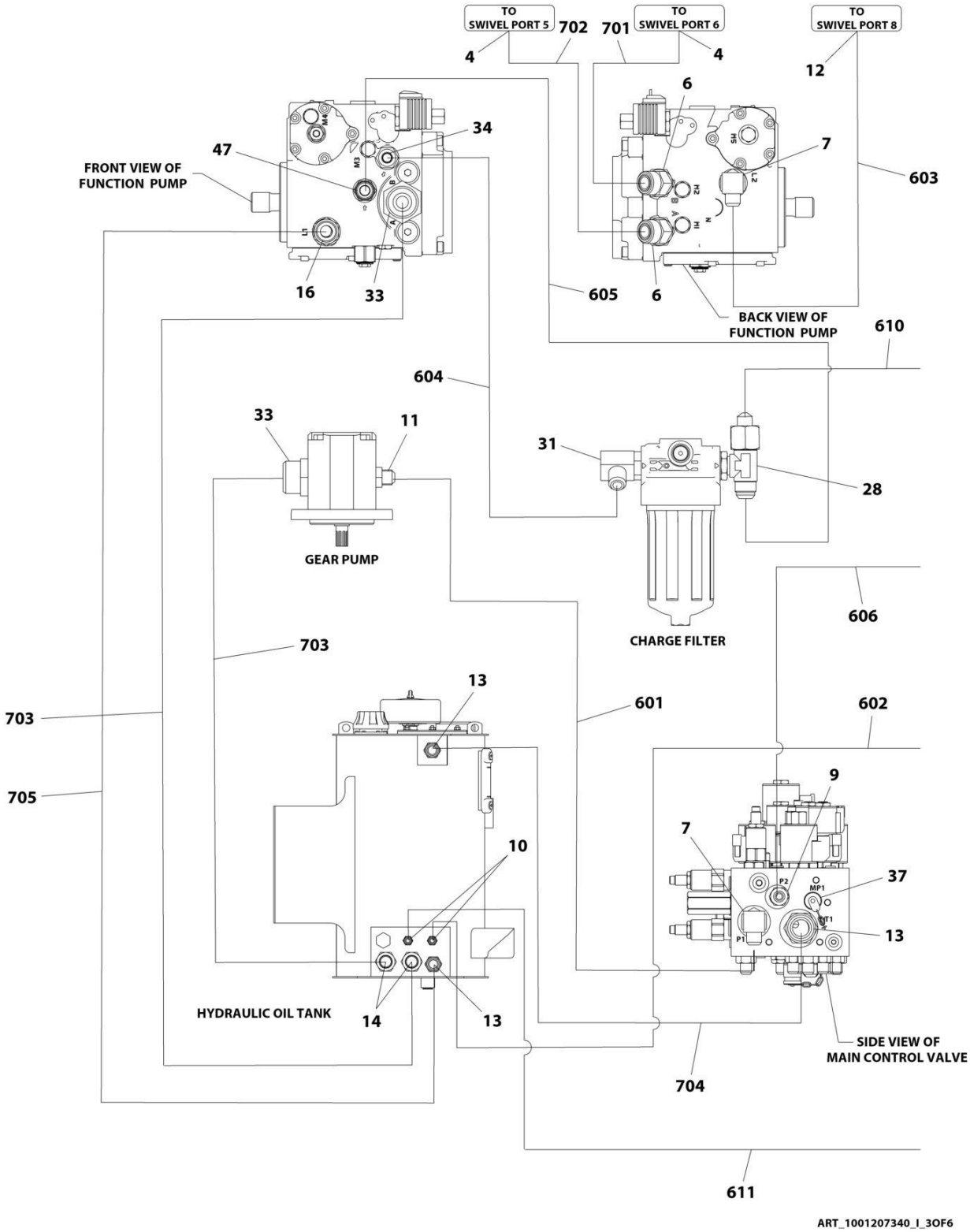
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216801	Ref	2WD HYDRAULIC SYSTEM INSTALLATION	G
2	2110810	4	Fitting, Straight ORFS/ORB	
3	2110812	4	Fitting, Straight ORFS/ORB	
4	2111216	5	Fitting, Straight ORFS/ORB	
5	2131212	2	Fitting, 90 ORFS/ORB	
6	2131216	1	Fitting, 90 ORFS/ORB	
8	1001202910	2	Fitting, Straight MORB	
9	2220366	2	Fitting, 90 JIC/ORB	
10	2220371	12	Fitting, Straight JIC/ORB	
11	2220372	8	Fitting, Straight JIC/ORB	
12	2220373	5	Fitting, Straight JIC/ORB	
13	2220374	3	Fitting, Straight JIC/ORB	
14	2220375	1	Fitting, Straight JIC/ORB	
15	2220377	3	Fitting, Straight JIC/ORB	
16	2220415	2	Fitting, Straight JIC/ORB	
17	2220451	1	Fitting, Straight JIC/ORB	
18	2220466	3	Fitting, 90 JIC/ORB	
19	2220468	2	Fitting, Straight JIC/ORB	
20	2220473	8	Fitting, 90 JIC/ORB	
22	2220501	2	Fitting, 45 JIC/ORB	
23	2220502	1	Fitting, 45 JIC/ORB	
25	2220497	1	Fitting, Straight JIC/ORB	
26	2220582	3	Fitting, Straight JIC/ORB	
27	2220238	2	Plug ORB	
28	2220600	2	Fitting, Straight JIC/ORB	
29	1001197272	1	Fitting, Tee JIC/ORB/JIC	
32	2220628	1	Fitting, 90 JIC/ORB	
34	2220695	1	Fitting, Tee JIC/ORB/JIC	
35	2220726	1	Fitting, 90 JIC/ORB	
36	2220775	1	Fitting, 90 JIC/ORB	
37	2220237	1	Plug ORB	
38	2220906	1	Fitting, 90 JIC/ORB	
39	2220923	2	Fitting, Straight JIC/ORB	
40	2220946	2	Fitting, Straight JIC/ORB	
41	2220947	1	Fitting, Straight JIC/ORB	
42	2220998	2	Fitting, Straight JIC/ORB	
44	4240018	13	Tie-Strap (Not Shown)	
47	1001275635	2	Clamp	
49	1001098928	1	Clamp (Not Shown)	
57	88662037	1	Fitting, Straight JIC/ORB	
58	3290601	2	Nut M6 x 1	
59	4811700	2	Washer M6	
60	1001191275	1	Clamp	
61	1001191276	1	Clamp	
62	4811702	2	Washer M6	
63	2221086	3	Fitting, Diagnostic Test Port	
99	0700619	2	Bolt M6 x 55	
100	1001202940	1	Kit, Upper Boom (Not Shown)	
101	1001173909	1	Hose	
102	1001173937	1	Hose	

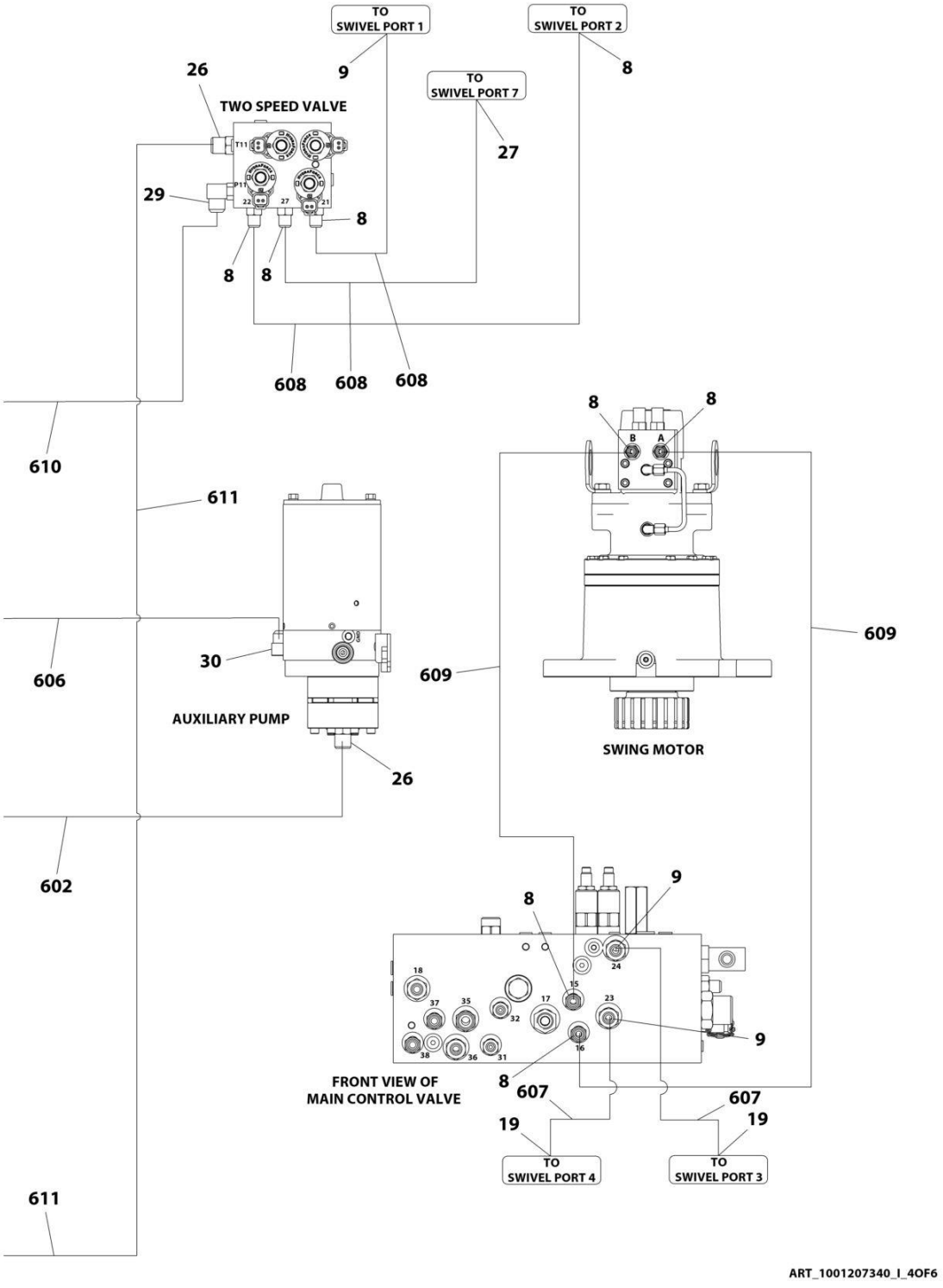
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
200	1001202941	1	Kit, S Boom (Not Shown)	
201	1001172694	1	Hose	
202	1001172696	1	Hose	
300	1001202943	1	Kit, Chassis Rear Hose (Not Shown)	
301	1001172695	2	Hose	
302	1001172697	4	Hose	
303	1001184561	1	Hose	
304	1001184562	1	Hose	
305	1001184563	1	Hose	
306	1001197284	1	Hose	
400	1001214614	1	Kit, Chassis Front Hose (Not Shown)	
401	1001172692	2	Hose	
402	1001184542	1	Hose	
403	1001184543	1	Hose	
500	1001202946	1	Kit, Turntable Hosing (Not Shown)	
501	1001173901	1	Hose	
502	1001173902	1	Hose	
503	1001173903	1	Hose	
504	1001173904	1	Hose	
505	1001173907	1	Hose	
506	1001173908	1	Hose	
600	1001252922	1	Kit, Turntable Hosing (Not Shown)	
601	2752500	1	Hose	
602	1001172716	1	Hose	
603	1001172717	1	Hose	
604	1001172718	1	Hose	
605	1001172719	1	Hose	
606	1001172721	1	Hose	
607	1001172722	2	Hose	
608	1001172723	3	Hose	
609	1001173900	1	Hose	
610	1001181075	1	Hose	
611	1001193654	1	Hose	
700	1001252923	1	Kit, Turntable Hosing (Not Shown)	
701	1001173898	1	Hose	
702	1001181074	1	Hose	
703	1001207332	1	Hose	
704	1001207333	1	Hose	
705	1001216655	1	Hose	
800	2060404	2	Fitting, Straight FORB/ORB	

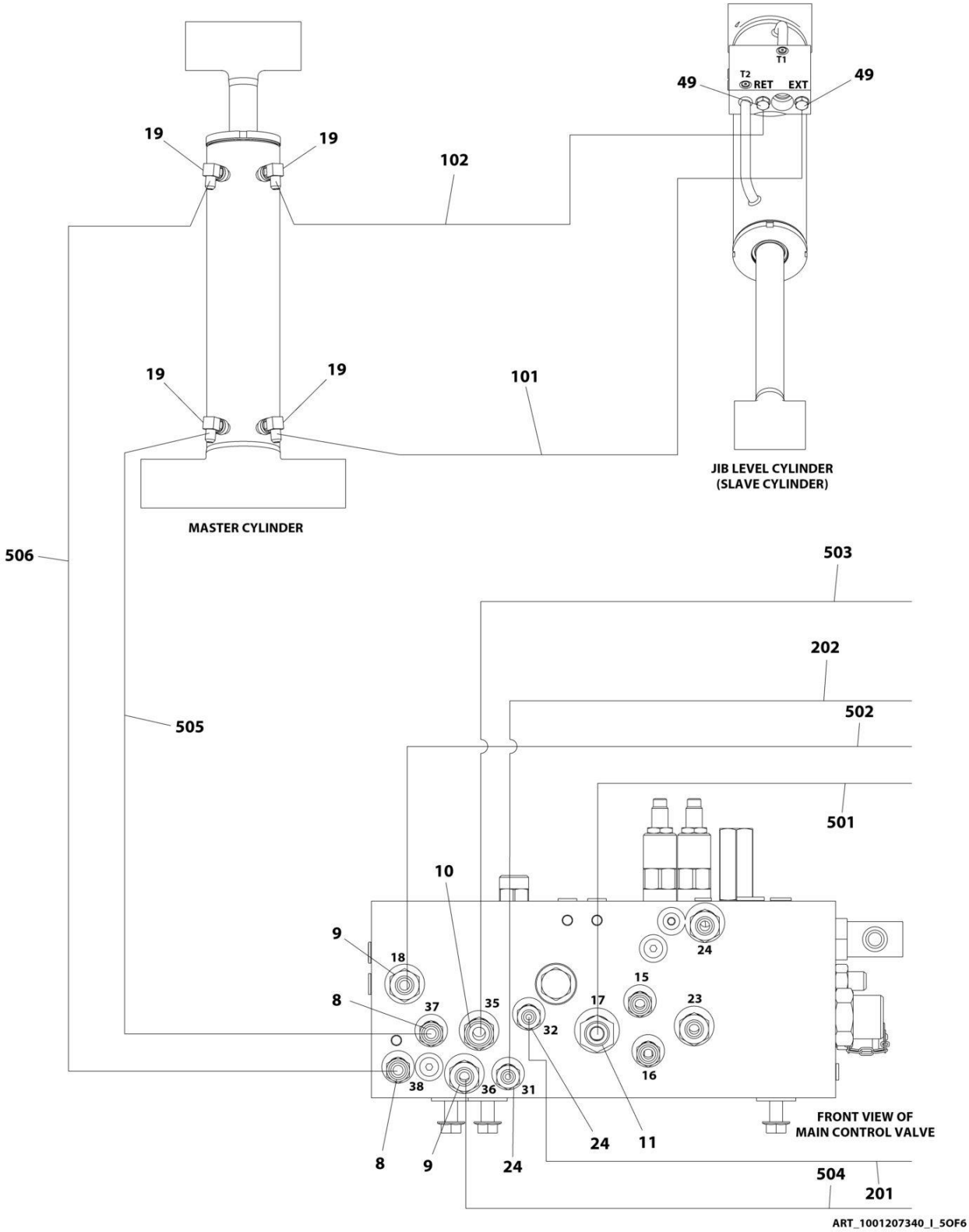
FIGURE 7-2. 4WD HYDRAULIC SYSTEM INSTALLATION (400S)




TO SWIVEL PORT 8
45
407
306
402
403
403
402
TO SWIVEL PORT 2
24
REAR RIGHT TRACTION MOTOR
24
17
3
A
B
X1
L2
3
10
302
302
CRIMPED "TEE"
305
2
9
2
2
11
9
7
3
5
2
FRONT VIEW OF FLOW DIVIDER
CRIMPED "TEE"
303
304
CRIMPED "TEE"
2
2
4
8
10
2
12
6
4
9
2
2
BACK VIEW OF FLOW DIVIDER
301
302
5
1
SIDE VIEW OF FLOW DIVIDER
301
4
TO SWIVEL PORT 6
4
TO SWIVEL PORT 5
17
3
24
A
B
X1
L2
3
10
REAR LEFT TRACTION MOTOR
302
18
TO SWIVEL PORT 1
ART_1001207340_I_2OF6


TO SWIVEL PORT 5
TO SWIVEL PORT 6
TO SWIVEL PORT 8
4
702
701
4
12
6
34
47
7
FRONT VIEW OF FUNCTION PUMP
603
16
33
605
6
BACK VIEW OF FUNCTION PUMP
610
604
33
11
31
28
GEAR PUMP
CHARGE FILTER
606
703
13
601
602
703
705
9
7
10
37
13
HYDRAULIC OIL TANK
14
13
SIDE VIEW OF MAIN CONTROL VALVE
704
611
ART_1001207340_I_3OF6


TO SWIVEL PORT 1
TO SWIVEL PORT 2
TO SWIVEL PORT 7
TWO SPEED VALVE
26
9
8
27
29
8
8
8
608
608
608
610
611
606
30
AUXILIARY PUMP
26
602
8
8
B
A
609
609
SWING MOTOR
9
8
24
18
15
17
23
37
35
32
9
38
36
31
16
FRONT VIEW OF MAIN CONTROL VALVE
8
607
607
19
19
TO SWIVEL PORT 4
TO SWIVEL PORT 3
611
ART_1001207340_I_4OF6


T1
T2
RET
EXT
49
49
19
19
102
19
19
101
JIB LEVEL CYLINDER
(SLAVE CYLINDER)
MASTER CYLINDER
506
503
202
502
505
501
10
9
18
8
37
35
32
17
15
23
24
38
36
31
16
8
9
24
24
11
FRONT VIEW OF
MAIN CONTROL VALVE
504
201
ART_1001207340_I_5OF6

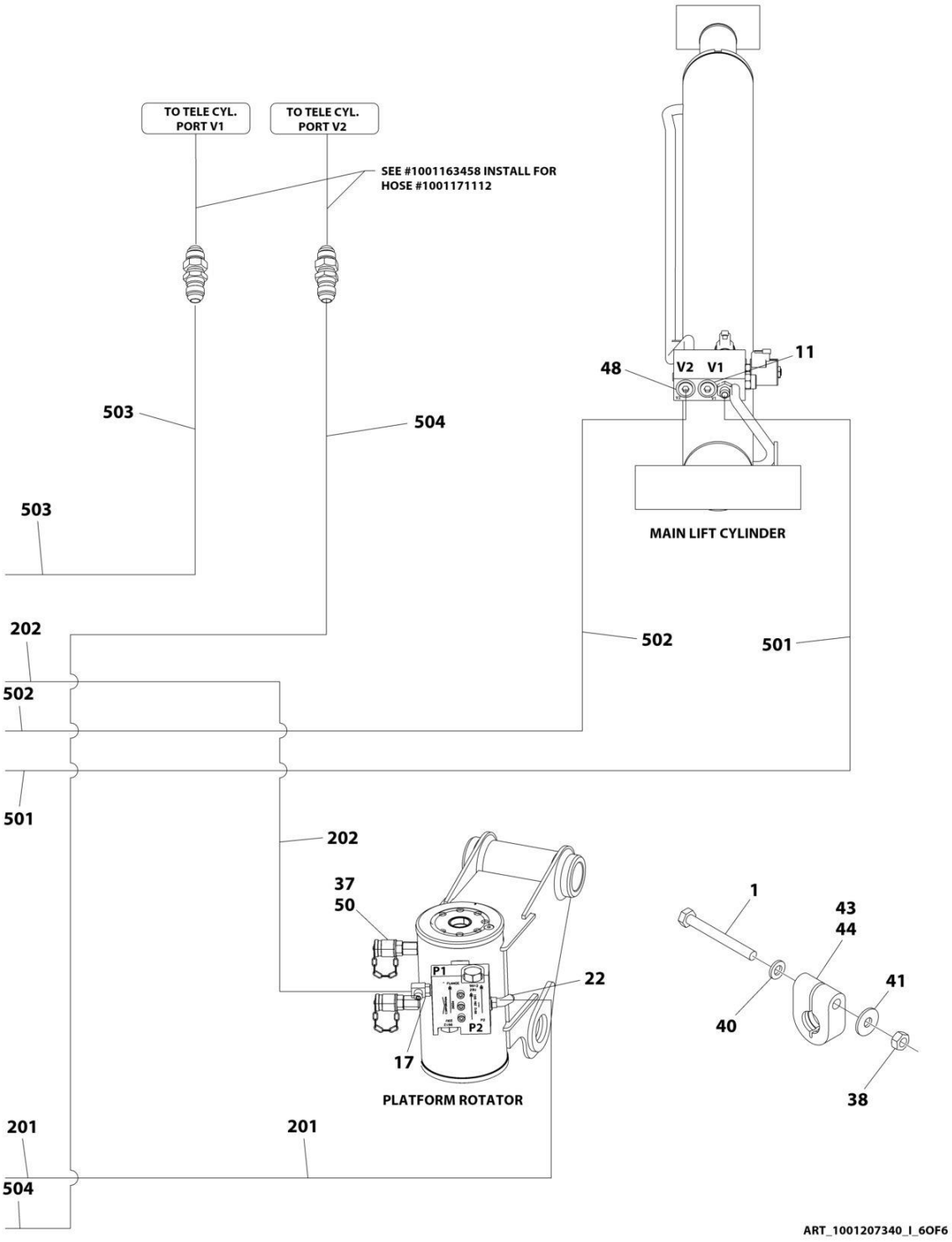
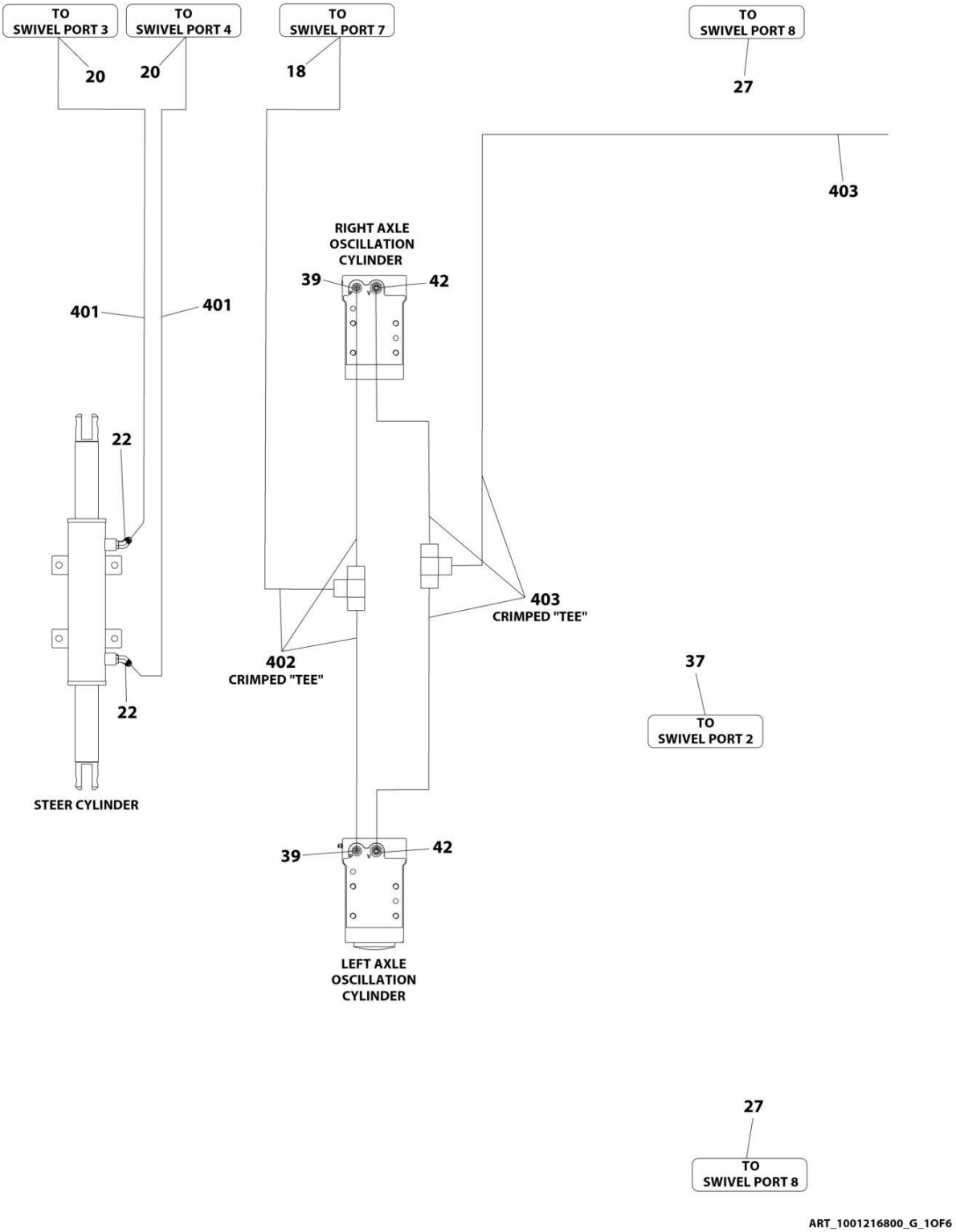

TO TELE CYL. PORT V1
TO TELE CYL. PORT V2
SEE #1001163458 INSTALL FOR HOSE #1001171112
503
504
503
48
V2 V1
11
MAIN LIFT CYLINDER
202
502
502
501
501
202
37
50
P1
P2
22
17
PLATFORM ROTATOR
1
43
44
41
40
38
201
504
201
ART_1001207340_I_6OF6

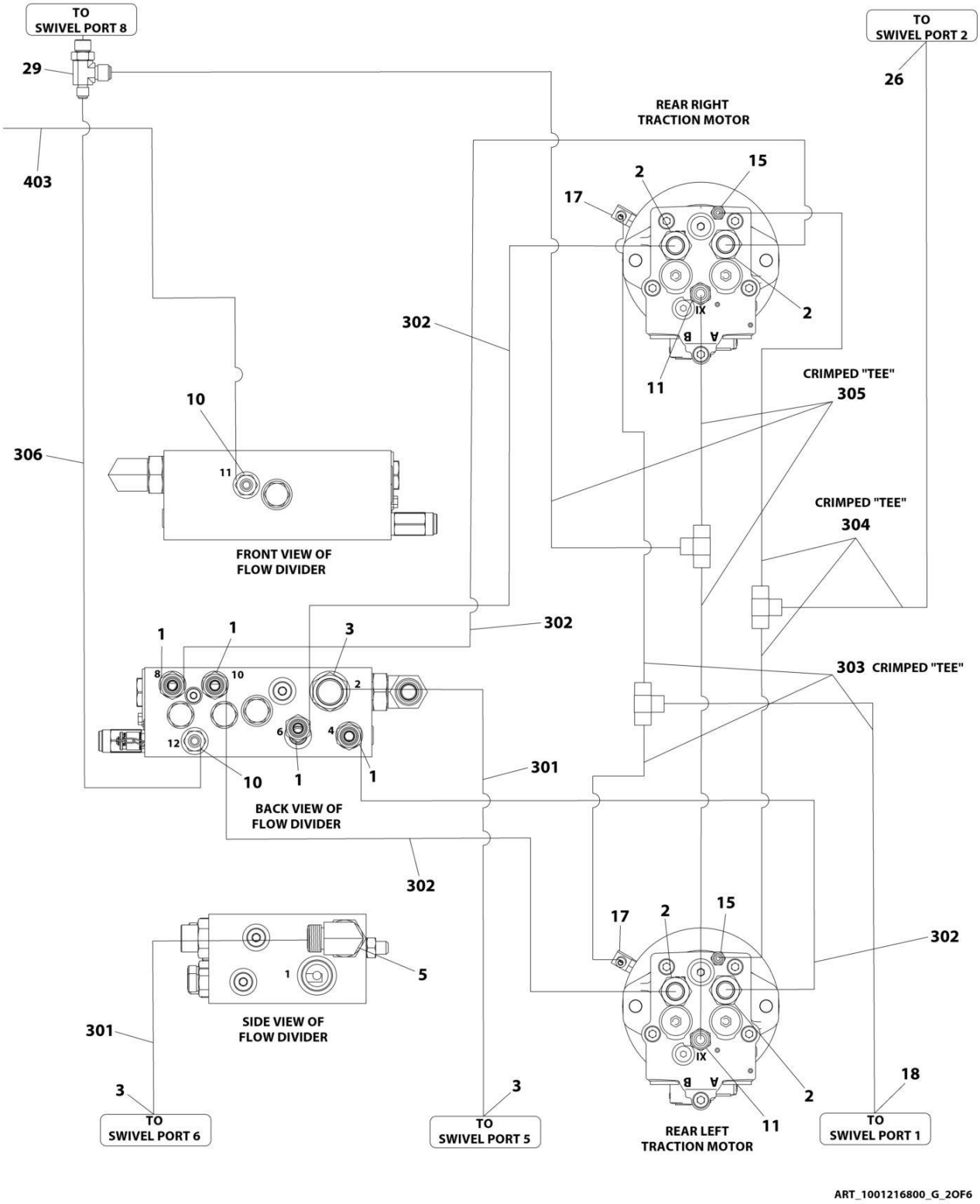
FIGURE 7-2. 4WD HYDRAULIC SYSTEM INSTALLATION (400S)

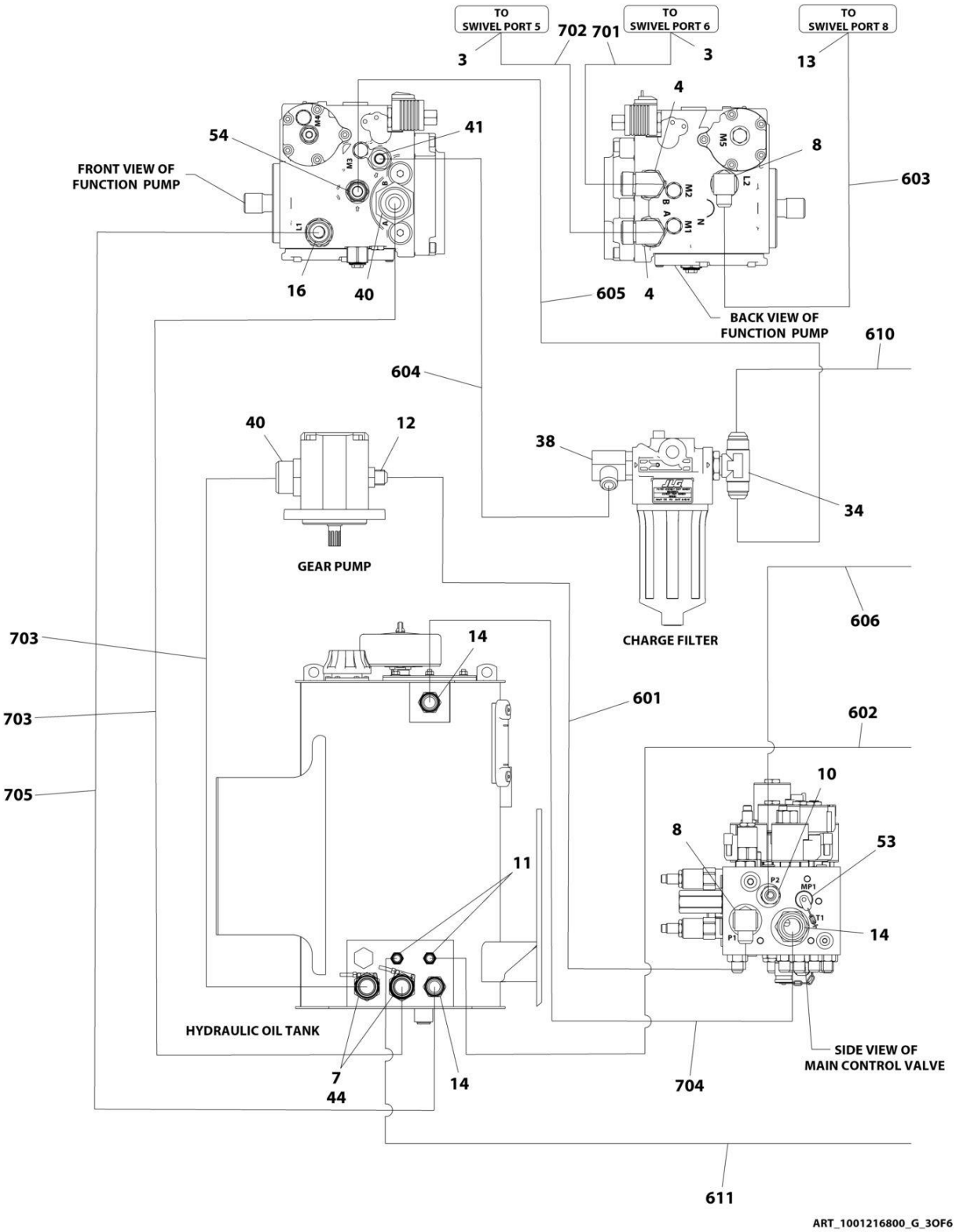
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207340	Ref	HYDRAULIC SYSTEM INSTALLATION	I
1	0700619	2	Bolt M6 x 55	
2	2110810	8	Fitting, Straight ORFS/ORB	
3	2110812	8	Fitting, Straight ORFS/ORB	
4	2111216	5	Fitting, Straight ORFS/ORB	
5	2131216	1	Fitting, 90 ORFS/ORB	
6	2131212	2	Fitting, 90 ORFS/ORB	
7	2220366	2	Fitting, 90 JIC/ORB	
8	2220371	10	Fitting, Straight JIC/ORB	
9	2220372	8	Fitting, Straight JIC/ORB	
10	2220373	5	Fitting, Straight JIC/ORB	
11	2220374	3	Fitting, Straight JIC/ORB	
12	2220375	1	Fitting, Straight JIC/ORB	
13	2220377	3	Fitting, Straight JIC/ORB	
14	1001202910	2	Fitting, Straight MORB	
16	2220451	1	Fitting, Straight JIC/ORB	
17	2220466	3	Fitting, 90 JIC/ORB	
18	2220468	2	Fitting, Straight JIC/ORB	
19	2220473	8	Fitting, 90 JIC/ORB	
20	2220500	2	Fitting, 45 JIC/ORB	
21	2220501	2	Fitting, 45 JIC/ORB	
22	2220502	1	Fitting, 45 JIC/ORB	
24	2220582	5	Fitting, Straight JIC/ORB	
25	2220596	2	Fitting, 90 JIC/ORB	
26	2220600	2	Fitting, Straight JIC/ORB	
27	2220628	1	Fitting, 90 JIC/ORB	
28	2220695	1	Fitting, Tee JIC/ORB/JIC	
29	2220726	1	Fitting, 90 JIC/ORB	
30	2220775	1	Fitting, 90 JIC/ORB	
31	2220906	1	Fitting, 90 JIC/ORB	
32	2220923	2	Fitting, Straight JIC/ORB	
33	2220946	2	Fitting, Straight JIC/ORB	
34	2220947	1	Fitting, Straight JIC/ORB	
35	2220998	2	Fitting, Straight JIC/ORB	
36	2221040	2	Fitting, 45 JIC/ORB	
37	2221086	3	Fitting, Diagnostic Test Port	
38	3290601	2	Nut M6 x 1	
39	4240018	AR	Tie-Strap (Not Shown)	
40	4811700	2	Washer M6	
41	4811702	2	Washer M6	
42	1001175024	1	Fitting, Tee JIC/JIC/ORB	
43	1001191275	1	Clamp	
44	1001191276	1	Clamp	
45	1001197272	1	Fitting, Tee JIC/ORB/JIC	
46	1001275635	2	Clamp, Hose (Not Shown)	
47	88662037	1	Fitting, Straight JIC/ORB	
48	2220497	1	Fitting, Straight JIC/ORB	
49	2220603	2	Fitting, Straight JIC/ORB	
50	2060404	2	Fitting, Straight FORB/ORB	
100	1001202940	1	Kit, Upper Boom (Not Shown)	

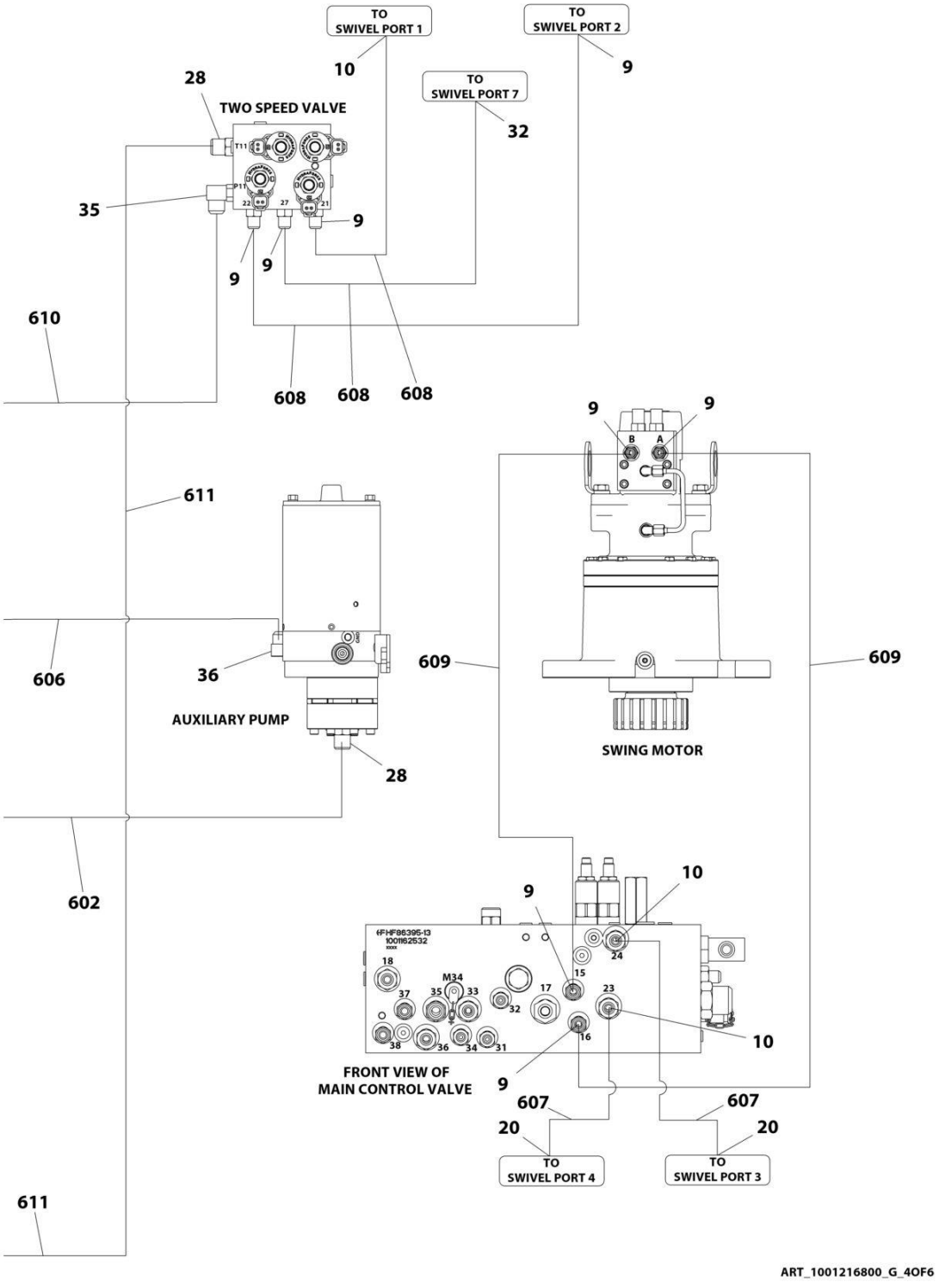
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001173909	1	Hose	
102	1001173937	1	Hose	
200	1001202941	1	Kit, S Boom (Not Shown)	
201	1001172694	1	Hose	
202	1001172696	1	Hose	
300	1001202943	1	Kit, Chassis Rear Hose (Not Shown)	
301	1001172695	2	Hose	
302	1001172697	4	Hose	
303	1001184561	1	Hose	
304	1001184562	1	Hose	
305	1001184563	1	Hose	
306	1001197284	1	Hose	
400	1001202944	1	Kit, Chassis Front Hose (Not Shown)	
401	1001172692	2	Hose	
402	1001172698	2	Hose	
403	1001172699	2	Hose	
404	1001172703	2	Hose	
405	1001172707	2	Hose	
406	1001184542	1	Hose	
407	1001184543	1	Hose	
500	1001202946	1	Kit, Turntable Hosing (Not Shown)	
501	1001173901	1	Hose	
502	1001173902	1	Hose	
503	1001173903	1	Hose	
504	1001173904	1	Hose	
505	1001173907	1	Hose	
506	1001173908	1	Hose	
600	1001252922	1	Kit, Turntable Hosing (Not Shown)	
601	2752500	1	Hose	
602	1001172716	1	Hose	
603	1001172717	1	Hose	
604	1001172718	1	Hose	
605	1001172719	1	Hose	
606	1001172721	1	Hose	
607	1001172722	2	Hose	
608	1001172723	3	Hose	
609	1001173900	2	Hose	
610	1001181075	1	Hose	
611	1001193654	1	Hose	
700	1001252923	1	Kit, Turntable Hosing (Not Shown)	
701	1001173898	1	Hose	
702	1001181074	1	Hose	
703	1001207332	1	Hose	
704	1001207333	1	Hose	
705	1001216655	1	Hose	

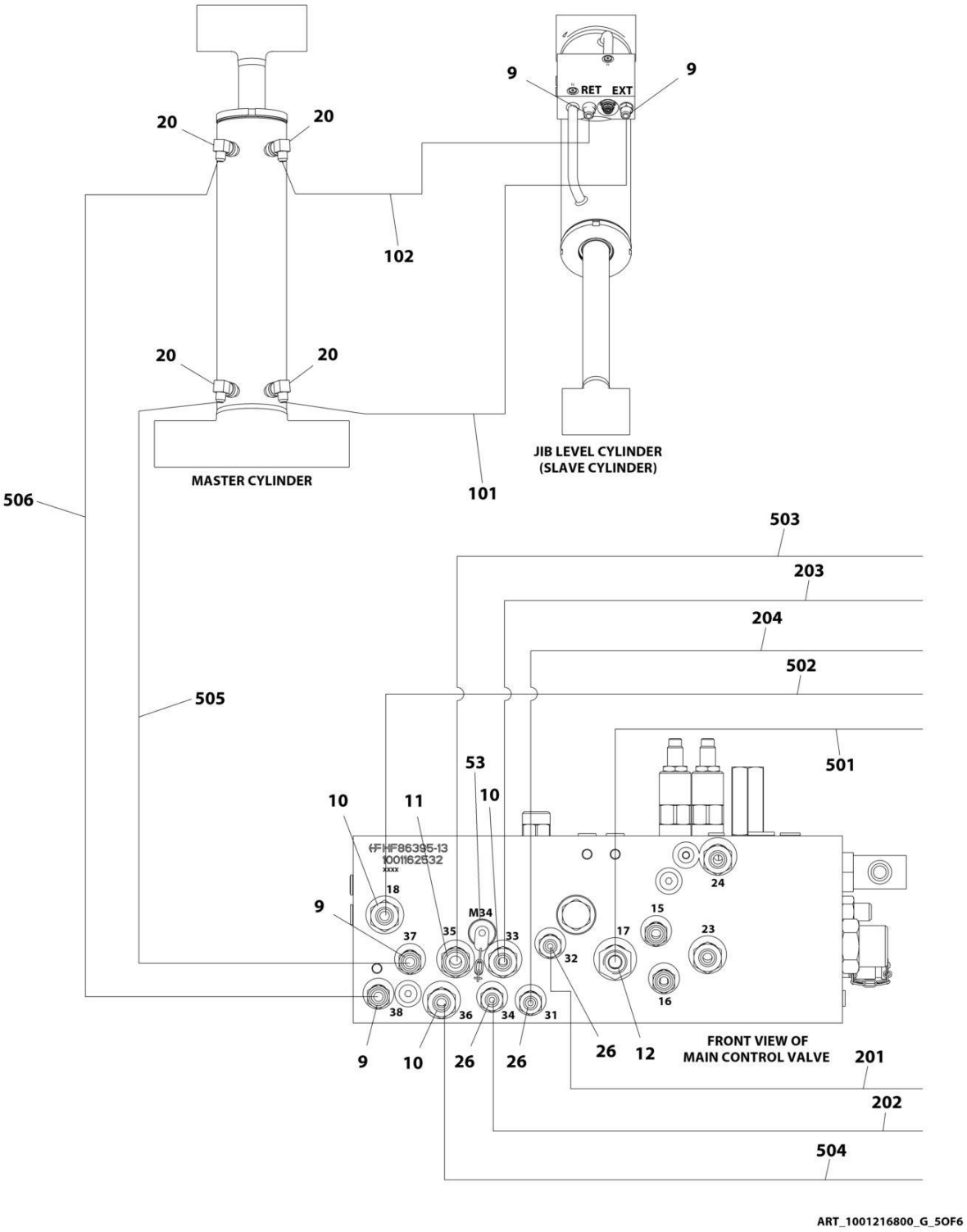
FIGURE 7-3. 2WD HYDRAULIC SYSTEM INSTALLATION (460SJ)




TO
SWIVEL PORT 8
29
403
TO
SWIVEL PORT 2
26
REAR RIGHT
TRACTION MOTOR
2
15
17
IX
B
A
2
11
302
CRIMPED "TEE"
305
10
306
11
FRONT VIEW OF
FLOW DIVIDER
CRIMPED "TEE"
304
302
1
1
3
8
10
2
6
4
12
10
1
1
303 CRIMPED "TEE"
301
BACK VIEW OF
FLOW DIVIDER
302
17
2
15
302
1
5
SIDE VIEW OF
FLOW DIVIDER
301
IX
B
A
2
18
3
3
11
TO
SWIVEL PORT 6
TO
SWIVEL PORT 5
REAR LEFT
TRACTION MOTOR
TO
SWIVEL PORT 1
ART_1001216800_G_2OF6


TO SWIVEL PORT 5
TO SWIVEL PORT 6
TO SWIVEL PORT 8
3
702
701
3
13
4
54
41
8
603
FRONT VIEW OF FUNCTION PUMP
16
40
605
4
BACK VIEW OF FUNCTION PUMP
610
604
40
12
38
34
GEAR PUMP
CHARGE FILTER
606
703
14
601
703
602
705
10
8
53
11
14
HYDRAULIC OIL TANK
7
44
14
704
SIDE VIEW OF MAIN CONTROL VALVE
611
ART_1001216800_G_3OF6


TO SWIVEL PORT 1
10
TO SWIVEL PORT 2
9
28
TWO SPEED VALVE
TO SWIVEL PORT 7
32
35
9
9
9
610
608
608
608
9
9
B
A
611
606
36
AUXILIARY PUMP
609
609
SWING MOTOR
28
602
10
9
18
M34
37
35
33
32
17
15
23
24
38
36
34
31
16
10
FRONT VIEW OF MAIN CONTROL VALVE
9
607
607
20
20
TO SWIVEL PORT 4
TO SWIVEL PORT 3
611
ART_1001216800_G_4OF6


9
RET
EXT
9
20
20
102
20
20
MASTER CYLINDER
JIB LEVEL CYLINDER
(SLAVE CYLINDER)
101
506
503
203
204
502
505
501
53
10
11
10
(F)HF86395-13
1001162532
xxxx
18
9
M34
37
35
33
32
17
15
23
24
16
38
36
34
31
9
10
26
26
26
12
FRONT VIEW OF
MAIN CONTROL VALVE
201
202
504
ART_1001216800_G_5OF6

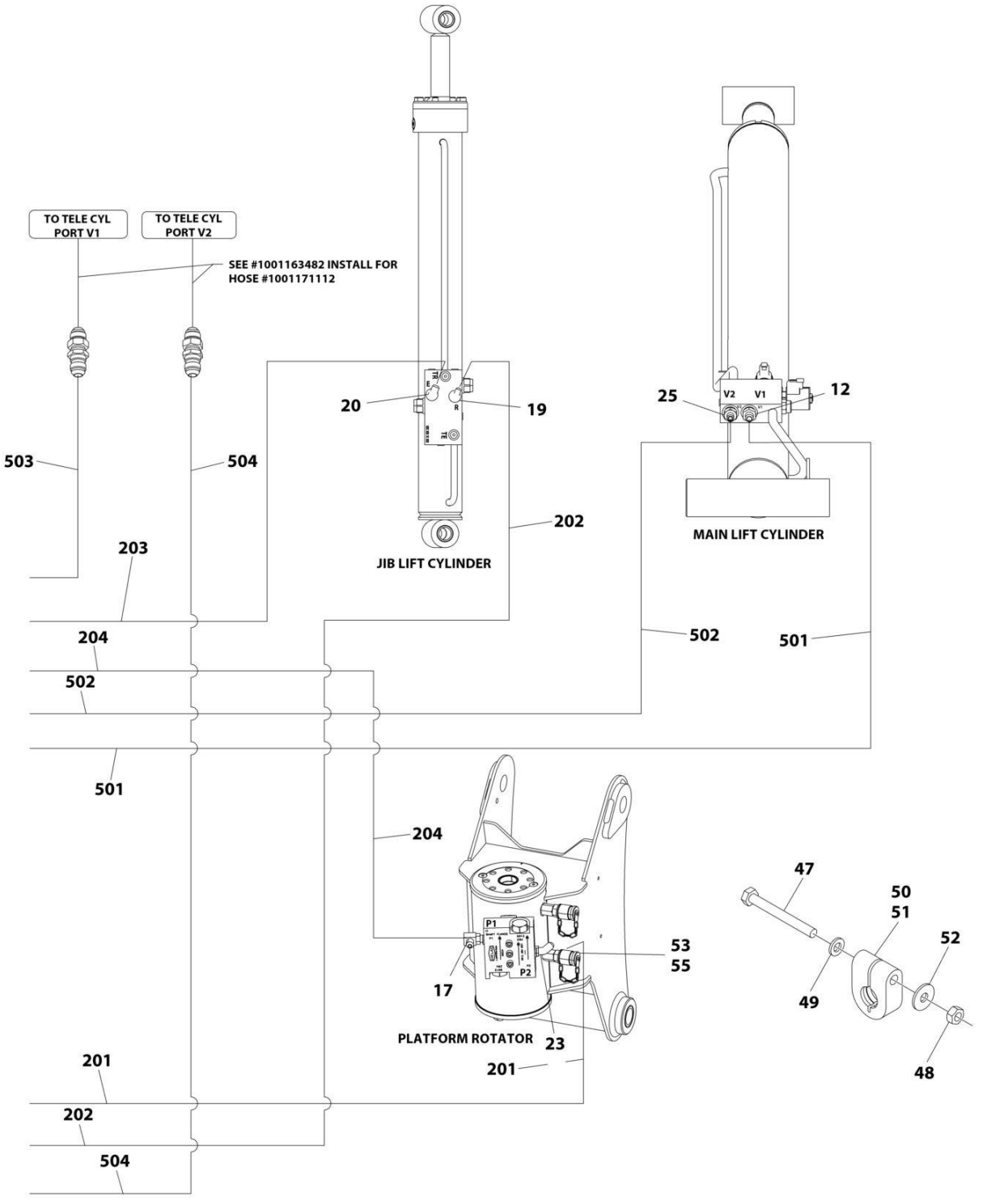
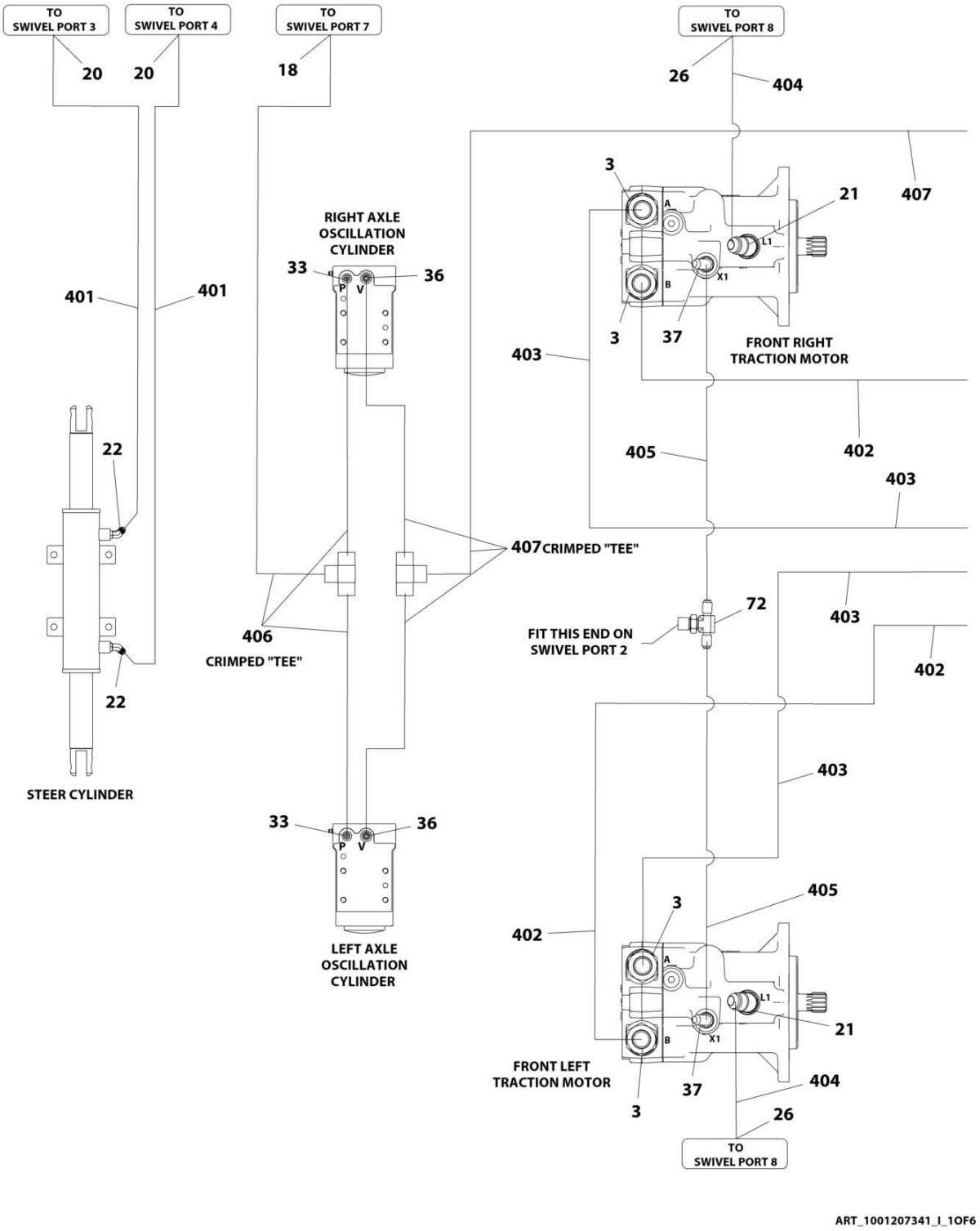

TO TELE CYL PORT V1
TO TELE CYL PORT V2
SEE #1001163482 INSTALL FOR HOSE #1001171112
503
504
203
204
502
501
20
19
202
JIB LIFT CYLINDER
25
V2
V1
12
MAIN LIFT CYLINDER
502
501
204
53
55
17
P1
P2
PLATFORM ROTATOR
23
201
201
202
504
47
50
51
52
49
48
ART_1001216800_G_6OF6

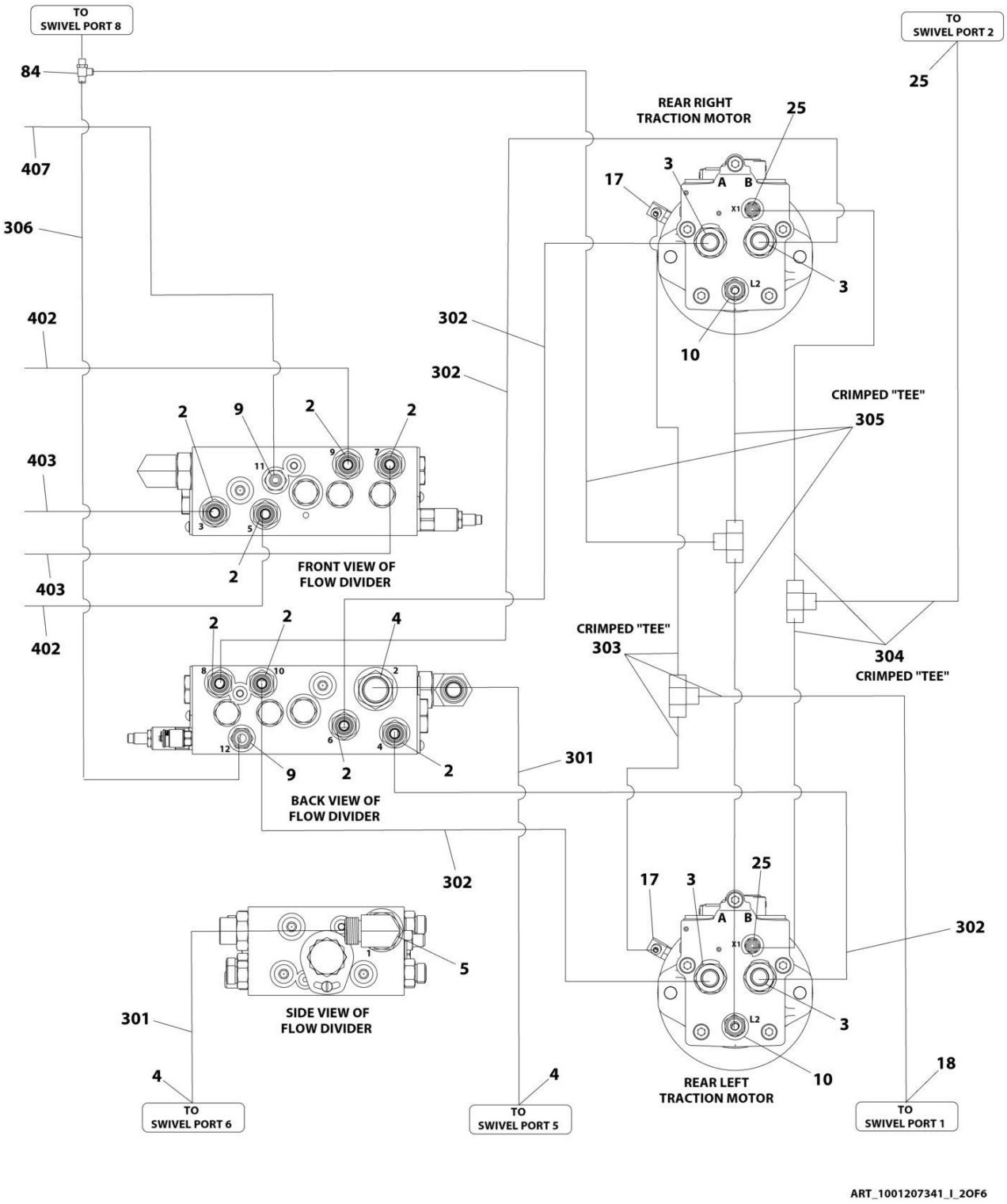
FIGURE 7-3. 2WD HYDRAULIC SYSTEM INSTALLATION (460SJ)

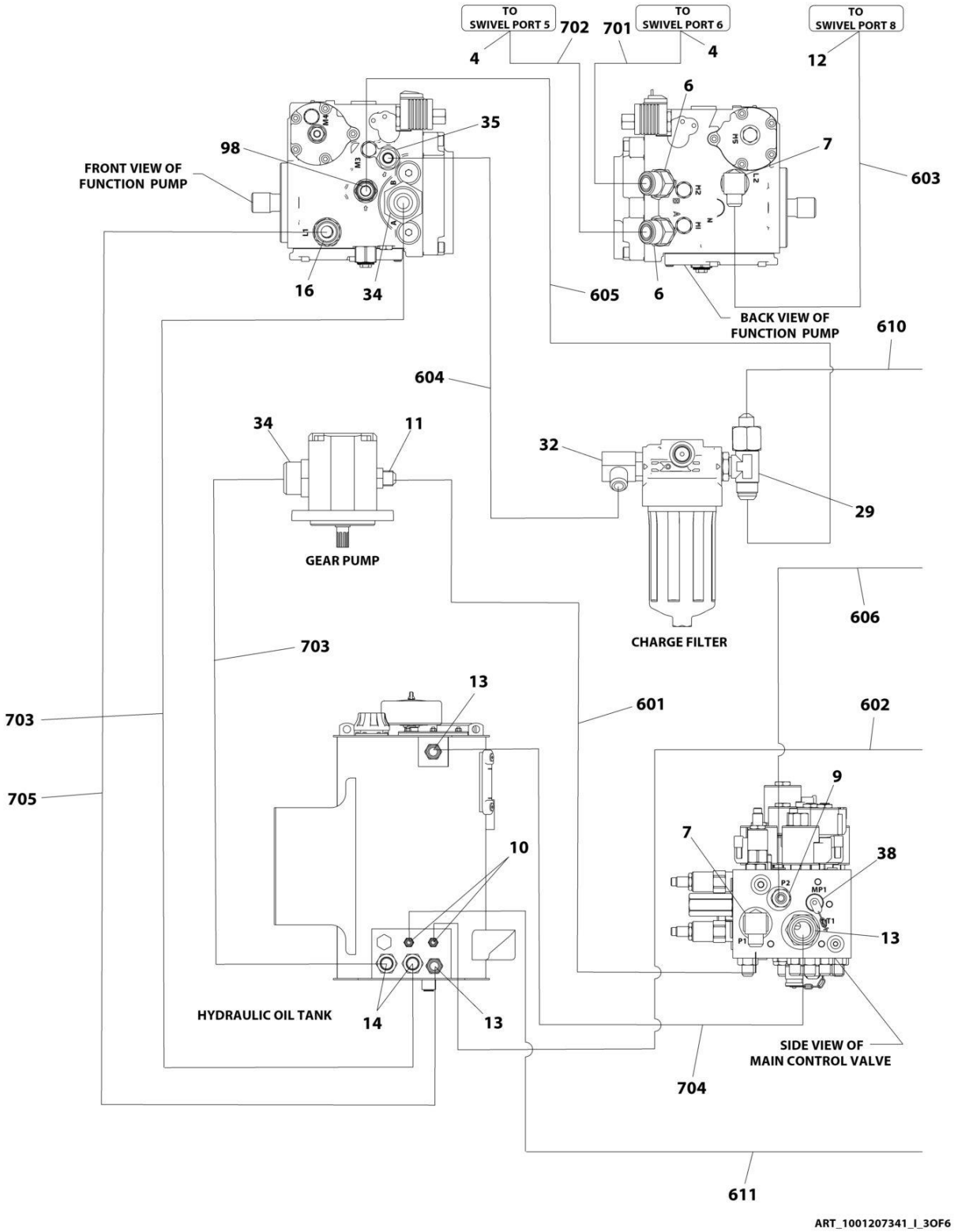
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216800	Ref	2WD HYDRAULIC SYSTEM INSTALLATION	G
1	2110810	4	Fitting, Straight ORFS/ORB	
2	2110812	4	Fitting, Straight ORFS/ORB	
3	2111216	5	Fitting, Straight ORFS/ORB	
4	2131212	2	Fitting, 90 ORFS/ORB	
5	2131216	1	Fitting, 90 ORFS/ORB	
7	1001202910	2	Fitting, Straight MORB	
8	2220366	2	Fitting, 90 JIC/ORB	
9	2220371	12	Fitting, Straight JIC/ORB	
10	2220372	9	Fitting, Straight JIC/ORB	
11	2220373	5	Fitting, Straight JIC/ORB	
12	2220374	3	Fitting, Straight JIC/ORB	
13	2220375	1	Fitting, Straight JIC/ORB	
14	2220377	3	Fitting, Straight JIC/ORB	
15	2220415	2	Fitting, Straight JIC/ORB	
16	2220451	1	Fitting, Straight JIC/ORB	
17	2220466	3	Fitting, 90 JIC/ORB	
18	2220468	2	Fitting, Straight JIC/ORB	
19	2220472	1	Fitting, 90 JIC/ORB	
20	2220473	9	Fitting, 90 JIC/ORB	
22	2220501	2	Fitting, 45 JIC/ORB	
23	2220502	1	Fitting, 45 JIC/ORB	
25	2220497	1	Fitting, Straight JIC/ORB	
26	2220582	4	Fitting, Straight JIC/ORB	
27	2220238	2	Plug	
28	2220600	2	Fitting, Straight JIC/ORB	
29	1001197272	1	Fitting, Tee JIC/ORB/JIC	
32	2220628	1	Fitting, 90 JIC/ORB	
34	2220695	1	Fitting, Tee JIC/ORB/JIC	
35	2220726	1	Fitting, 90 JIC/ORB	
36	2220775	1	Fitting, 90 JIC/ORB	
37	2220237	1	Plug #6	
38	2220906	1	Fitting, 90 JIC/ORB	
39	2220923	2	Fitting, Straight JIC/ORB	
40	2220946	2	Fitting, Straight JIC/ORB	
41	2220947	1	Fitting, Straight JIC/ORB	
42	2220998	2	Fitting, Straight JIC/ORB	
43	4240018	15	Tie-Strap (Not Shown)	
44	1001275635	2	Clamp	
46	1001098928	1	Clamp (Not Shown)	
47	0700619	2	Bolt M6 x 55	
48	3290601	2	Nut M6	
49	4811700	2	Washer M6	
50	1001191275	1	Clamp	
51	1001191276	1	Clamp	
52	4811702	1	Washer M6	
53	2221086	4	Fitting, Diagnostic Test Port	
54	88662037	1	Fitting, Straight JIC/ORB	
55	2060404	2	Fitting, Straight FORB/ORB	
100	1001202940	1	Kit, Upper Boom (Not Shown)	

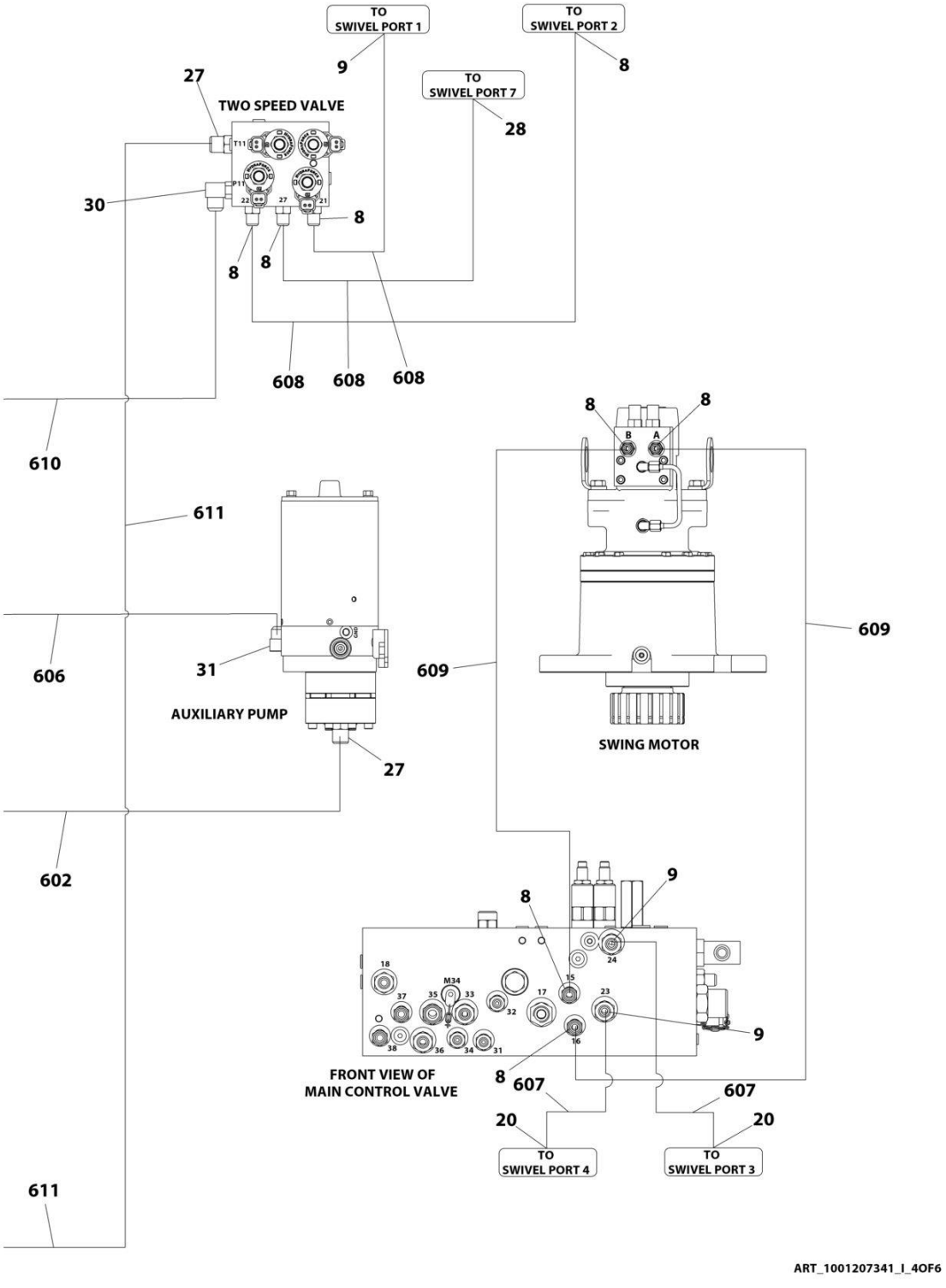
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001173909	1	Hose	
102	1001173937	1	Hose	
200	1001202942	1	Kit, S Boom (Not Shown)	
201	1001173905	1	Hose	
202	1001173906	1	Hose	
203	1001181076	1	Hose	
204	1001181077	1	Hose	
300	1001202943	1	Kit, Chassis Rear Hose (Not Shown)	
301	1001172695	2	Hose	
302	1001172697	4	Hose	
303	1001184561	1	Hose	
304	1001184562	1	Hose	
305	1001184563	1	Hose	
306	1001197284	1	Hose	
400	1001214614	1	Kit, Chassis Front Hose (Not Shown)	
401	1001172692	2	Hose	
402	1001184542	1	Hose	
403	1001184543	1	Hose	
500	1001202946	1	Kit, Turntable Hosing (Not Shown)	
501	1001173901	1	Hose	
502	1001173902	1	Hose	
503	1001173903	1	Hose	
504	1001173904	1	Hose	
505	1001173907	1	Hose	
506	1001173908	1	Hose	
600	1001252922	1	Kit, Turntable Hosing (Not Shown)	
601	2752500	1	Hose	
602	1001172716	1	Hose	
603	1001172717	1	Hose	
604	1001172718	1	Hose	
605	1001172719	1	Hose	
606	1001172721	1	Hose	
607	1001172722	2	Hose	
608	1001172723	3	Hose	
609	1001173900	2	Hose	
610	1001181075	1	Hose	
611	1001193654	1	Hose	
700	1001252923	1	Kit, Turntable Hosing (Not Shown)	
701	1001173898	1	Hose	
702	1001181074	1	Hose	
703	1001207332	1	Hose	
704	1001207333	1	Hose	
705	1001216655	1	Hose	

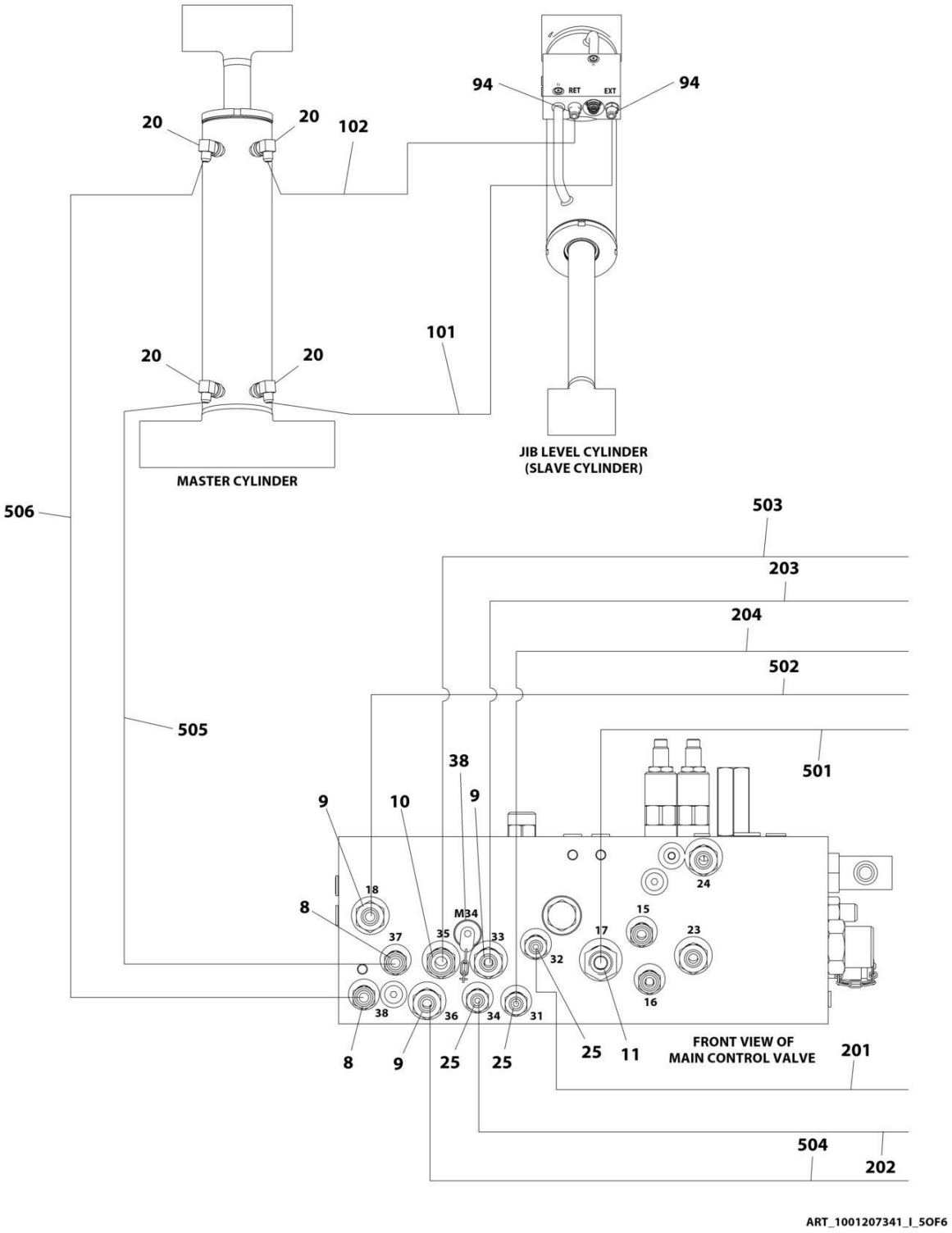
FIGURE 7-4. 4WD HYDRAULIC SYSTEM INSTALLATION (460SJ)




TO SWIVEL PORT 8
84
407
306
402
403
403
402
TO SWIVEL PORT 2
25
REAR RIGHT TRACTION MOTOR
25
3
17
A
B
X1
3
L2
10
302
302
CRIMPED "TEE"
305
2
9
2
2
11
9
7
3
5
2
FRONT VIEW OF FLOW DIVIDER
CRIMPED "TEE"
303
304
CRIMPED "TEE"
2
2
4
8
10
2
6
4
12
9
2
2
BACK VIEW OF FLOW DIVIDER
301
302
17
3
25
A
B
X1
302
3
L2
10
18
1
5
SIDE VIEW OF FLOW DIVIDER
301
4
4
REAR LEFT TRACTION MOTOR
TO SWIVEL PORT 6
TO SWIVEL PORT 5
TO SWIVEL PORT 1
ART_1001207341_I_2OF6


TO SWIVEL PORT 5
TO SWIVEL PORT 6
TO SWIVEL PORT 8
4
702
701
4
12
6
35
98
7
FRONT VIEW OF FUNCTION PUMP
603
16
34
605
6
BACK VIEW OF FUNCTION PUMP
610
604
34
11
32
29
GEAR PUMP
CHARGE FILTER
606
703
13
601
602
703
705
9
7
10
38
P2
MP1
MT1
P1
13
14
13
HYDRAULIC OIL TANK
SIDE VIEW OF MAIN CONTROL VALVE
704
611
ART_1001207341_I_3OF6


TO SWIVEL PORT 1
TO SWIVEL PORT 2
TO SWIVEL PORT 7
TWO SPEED VALVE
AUXILIARY PUMP
SWING MOTOR
FRONT VIEW OF MAIN CONTROL VALVE
TO SWIVEL PORT 4
TO SWIVEL PORT 3
ART_1001207341_I_4OF6


94
94
RET
EXT
20
20
102
20
20
101
MASTER CYLINDER
JIB LEVEL CYLINDER
(SLAVE CYLINDER)
506
503
203
204
502
505
501
38
9
10
9
18
8
M34
37
35
33
32
17
15
23
24
16
38
36
34
31
8
9
25
25
25
11
FRONT VIEW OF
MAIN CONTROL VALVE
201
504
202
ART_1001207341_I_5OF6

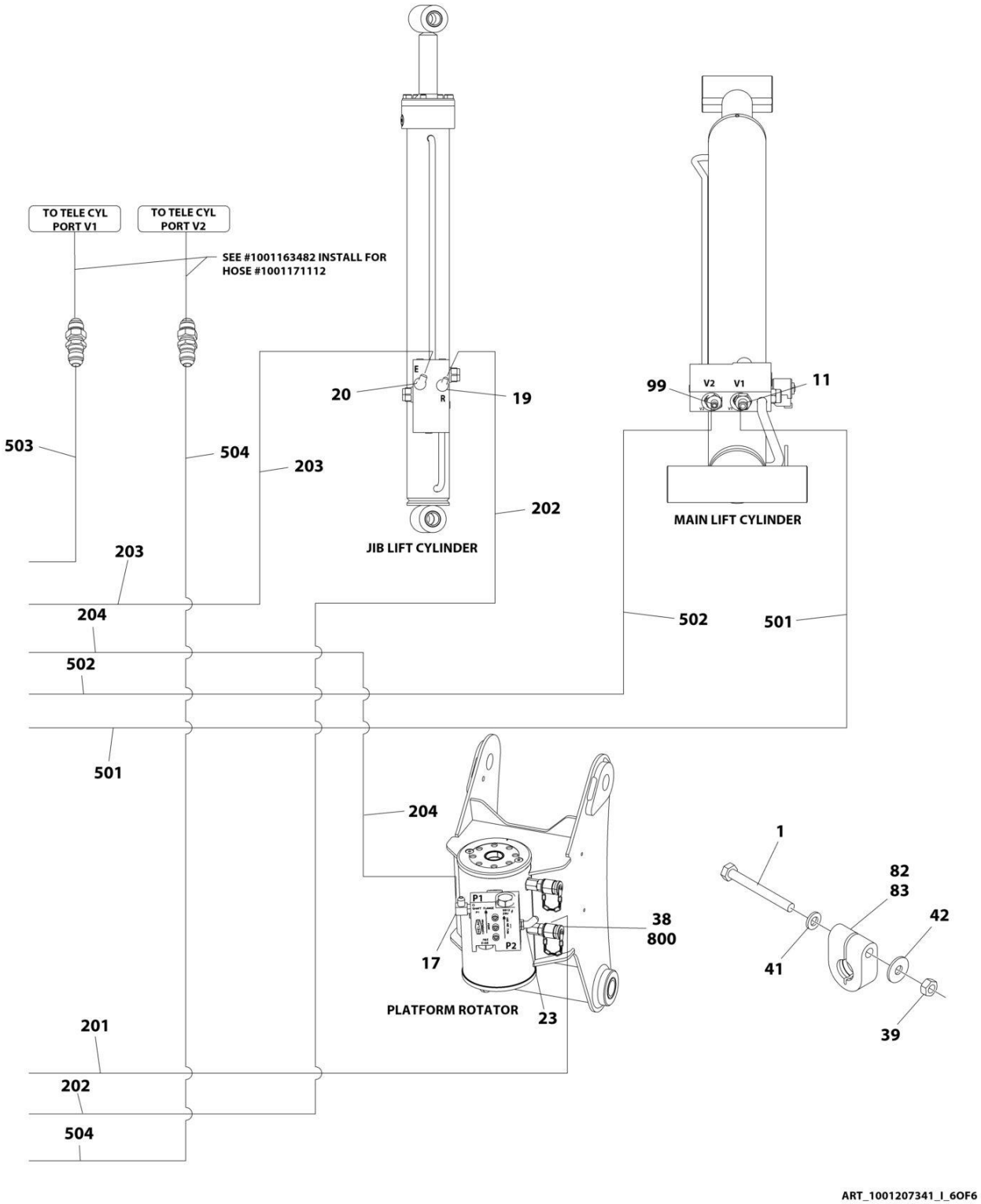
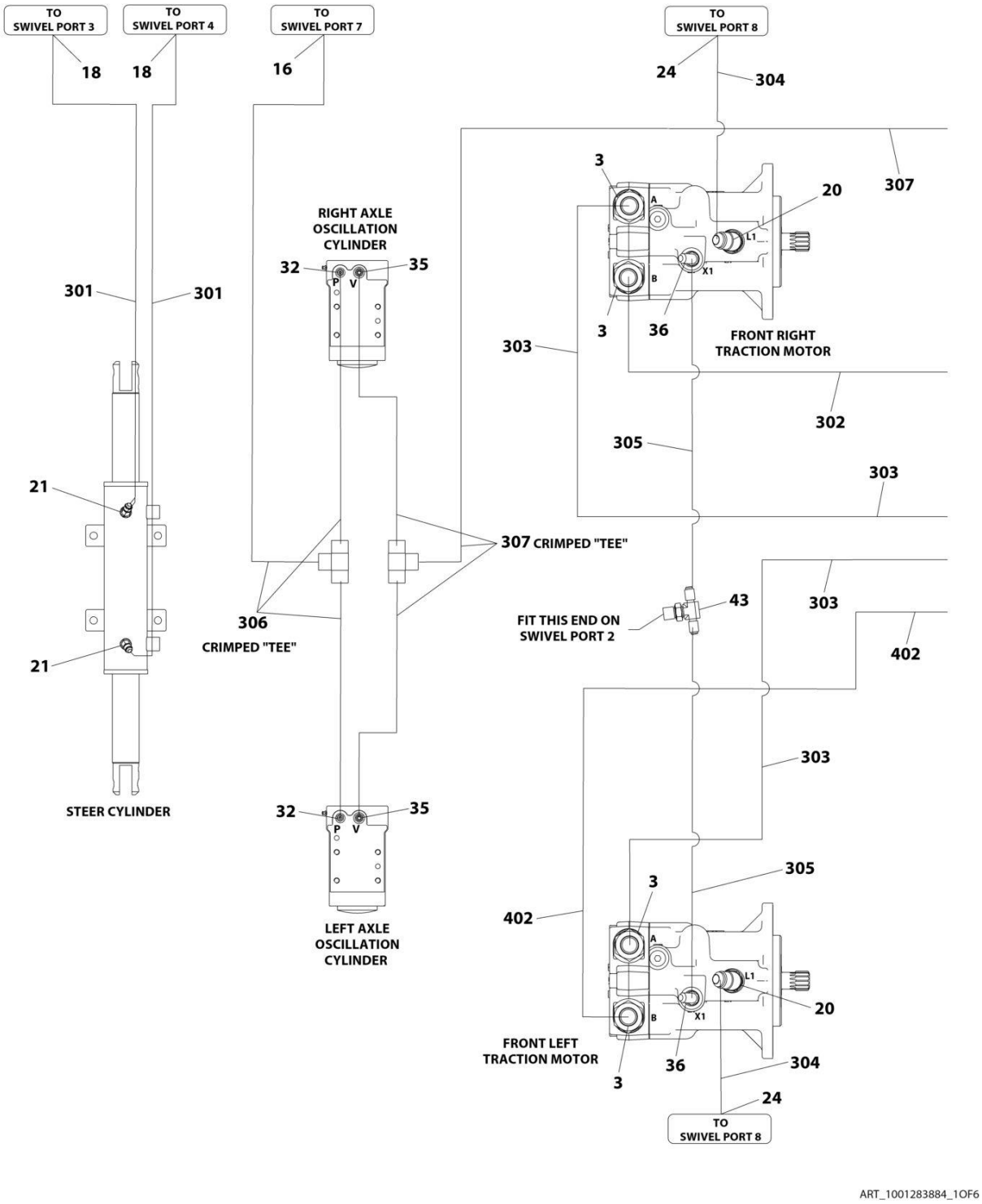

TO TELE CYL PORT V1
TO TELE CYL PORT V2
SEE #1001163482 INSTALL FOR HOSE #1001171112
503
504
203
20
19
E
R
202
JIB LIFT CYLINDER
99
V2
V1
11
MAIN LIFT CYLINDER
203
204
502
501
502
501
204
P1
P2
38
800
17
23
PLATFORM ROTATOR
1
82
83
42
41
39
201
202
504
ART_1001207341_I_6OF6

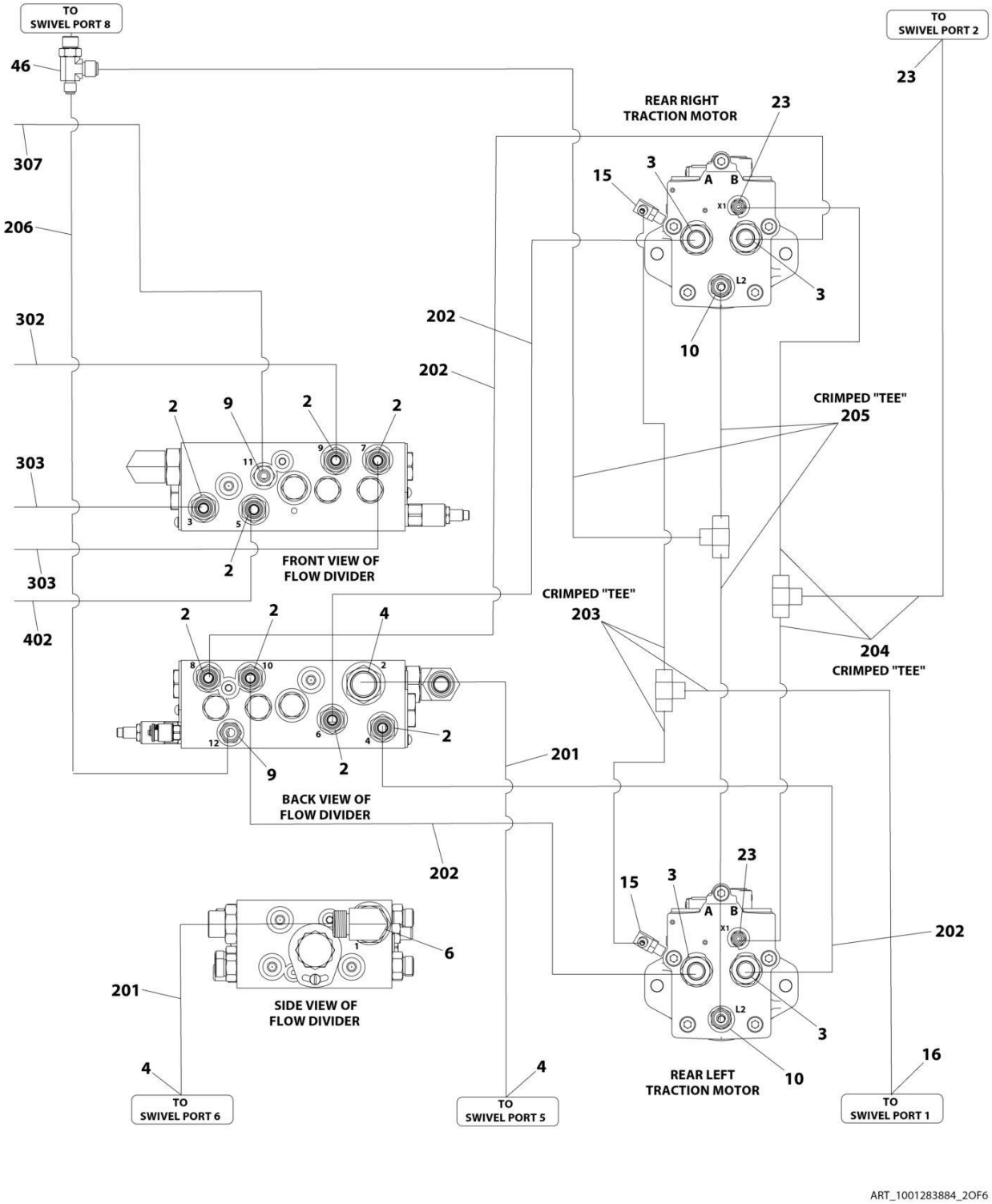
FIGURE 7-4. 4WD HYDRAULIC SYSTEM INSTALLATION (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207341	Ref	460SJ 4WD HYDRAULIC SYSTEM INSTALLATION	I
1	0760619	2	Bolt, M6 x 55	
2	2110810	8	Fitting, Straight ORFS/ORB	
3	2110812	8	Fitting, Straight ORFS/ORB	
4	2111216	5	Fitting, Straight ORFS/ORB	
5	2131216	1	Fitting, 90 ORFS/ORB	
6	2131212	2	Fitting, 90 ORFS/ORB	
7	2220366	2	Fitting, 90 JIC/ORB	
8	2220371	10	Fitting, Straight JIC/ORB	
9	2220372	9	Fitting, Straight JIC/ORB	
10	2220373	5	Fitting, Straight JIC/ORB	
11	2220374	AR	Fitting, Straight JIC/ORB	
12	2220375	AR	Fitting, Straight JIC/ORB	
13	2220377	3	Fitting, Straight JIC/ORB	
14	1001202910	2	Fitting, Straight MORB	
16	2220451	1	Fitting, Straight JIC/ORB	
17	2220466	3	Fitting, 90 JIC/ORB	
18	2220468	2	Fitting, Straight JIC/ORB	
19	2220472	1	Fitting, 90 JIC/ORB	
20	2220473	9	Fitting, 90 JIC/ORB	
21	2220500	2	Fitting, 45 JIC/ORB	
22	2220501	2	Fitting, 45 JIC/ORB	
23	2220502	1	Fitting, 45 JIC/ORB	
25	2220582	6	Fitting, Straight JIC/ORB	
26	2220596	2	Fitting, 90 JIC/ORB	
27	2220600	2	Fitting, Straight JIC/ORB	
28	2220628	1	Fitting, 90 JIC/ORB	
29	2220695	1	Fitting, Tee JIC/ORB/JIC	
30	2220726	1	Fitting, 90 JIC/ORB	
31	2220775	1	Fitting, 90 JIC/ORB	
32	2220906	1	Fitting, 90 JIC/ORB	
33	2220923	2	Fitting, Straight JIC/ORB	
34	2220946	2	Fitting, Straight JIC/ORB	
35	2220947	AR	Fitting, Straight JIC/ORB	
36	2220998	2	Fitting, Straight JIC/ORB	
37	2221040	2	Fitting, 45 JIC/ORB	
38	2221086	4	Fitting, Diagnostic Test Port	
39	3290601	2	Nut, M6 x 1	
40	4240018	23	Tie-Strap (Not Shown)	
41	4811700	2	Washer, M6	
42	4811702	2	Washer, M6	
72	1001175024	1	Fitting, Tee JIC/JIC/ORB	
82	1001191275	1	Clamp	
83	1001191276	1	Clamp	
84	1001197272	1	Fitting, Tee JIC/ORB/JIC	
94	2220603	AR	Fitting, Straight JIC/ORB	
97	1001275635	2	Clamp (Not Shown)	
98	88662037	1	Fitting, Straight JIC/ORB	
99	2220497	1	Fitting, Straight JIC/ORB	
100	1001202940	1	Kit, Upper Boom (Not Shown)	

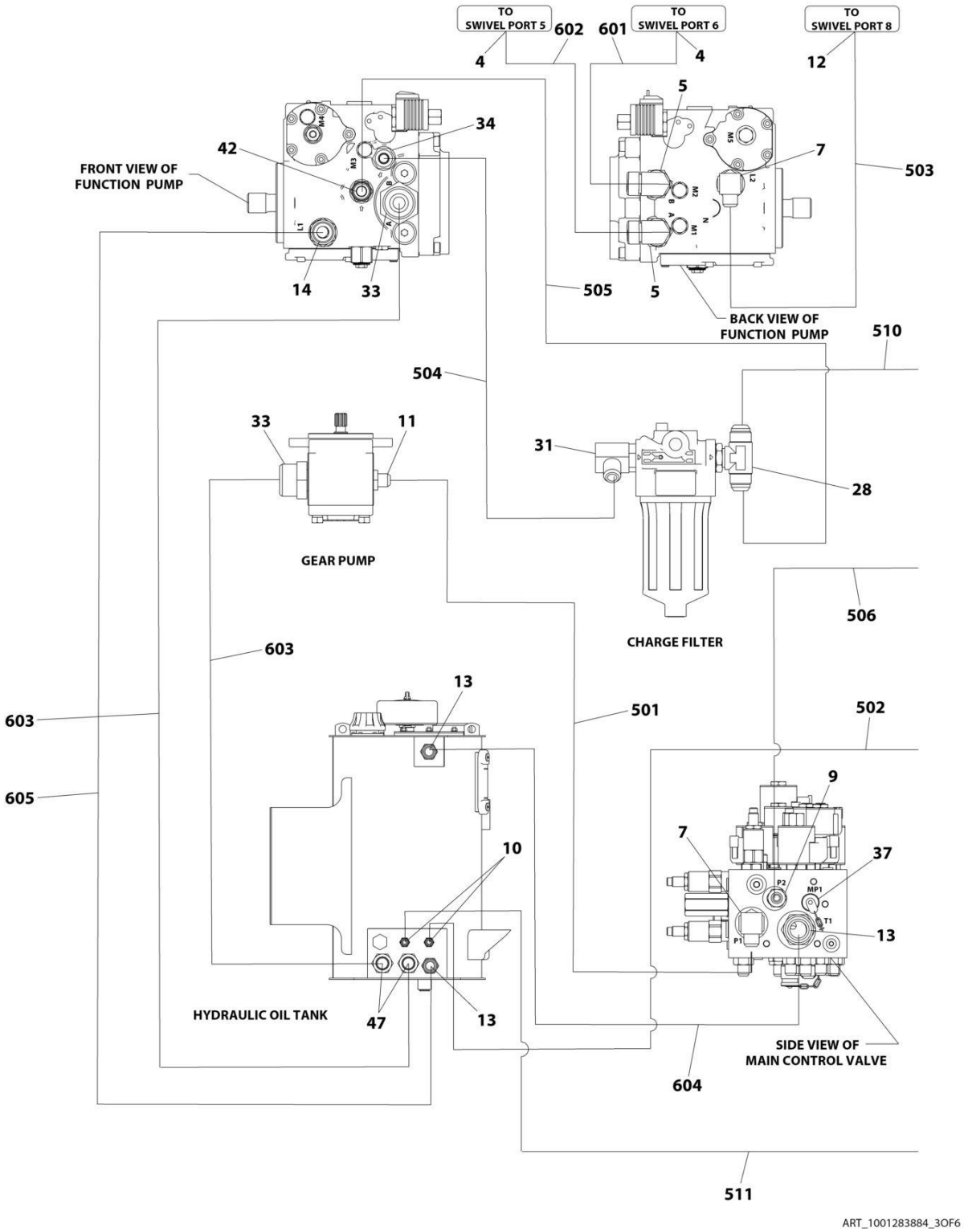
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001173909	1	Hose	
102	1001173937	1	Hose	
200	1001202942	1	Kit, S Boom (Not Shown)	
201	1001173905	1	Hose	
202	1001173906	1	Hose	
203	1001181076	1	Hose	
204	1001181077	1	Hose	
300	1001202943	1	Kit, Chassis Rear Hose (Not Shown)	
301	1001172695	2	Hose	
302	1001172697	4	Hose	
303	1001184561	1	Hose	
304	1001184562	1	Hose	
305	1001184563	1	Hose	
306	1001197284	1	Hose	
400	1001202944	1	Kit, Chassis Front Hose (Not Shown)	
401	1001172692	2	Hose	
402	1001172698	2	Hose	
403	1001172699	2	Hose	
404	1001172703	2	Hose	
405	1001172707	2	Hose	
406	1001184542	1	Hose	
407	1001184543	1	Hose	
500	1001202946	1	Kit, Turntable Hosing (Not Shown)	
501	1001173901	1	Hose	
502	1001173902	1	Hose	
503	1001173903	1	Hose	
504	1001173904	1	Hose	
505	1001173907	1	Hose	
506	1001173908	1	Hose	
600	1001252922	1	Kit, Turntable Hosing (Not Shown)	
601	2752500	1	Hose	
602	1001172716	1	Hose	
603	1001172717	1	Hose	
604	1001172718	1	Hose	
605	1001172719	1	Hose	
606	1001172721	1	Hose	
607	1001172722	2	Hose	
608	1001172723	3	Hose	
609	1001173900	2	Hose	
610	1001181075	1	Hose	
611	1001193654	1	Hose	
700	1001252923	1	Kit, Turntable Hosing (Not Shown)	
701	1001173898	1	Hose	
702	1001181074	1	Hose	
703	1001207332	1	Hose	
704	1001207333	1	Hose	
705	1001216655	1	Hose	
800	2060404	2	Fitting, Straight FORB/ORB	

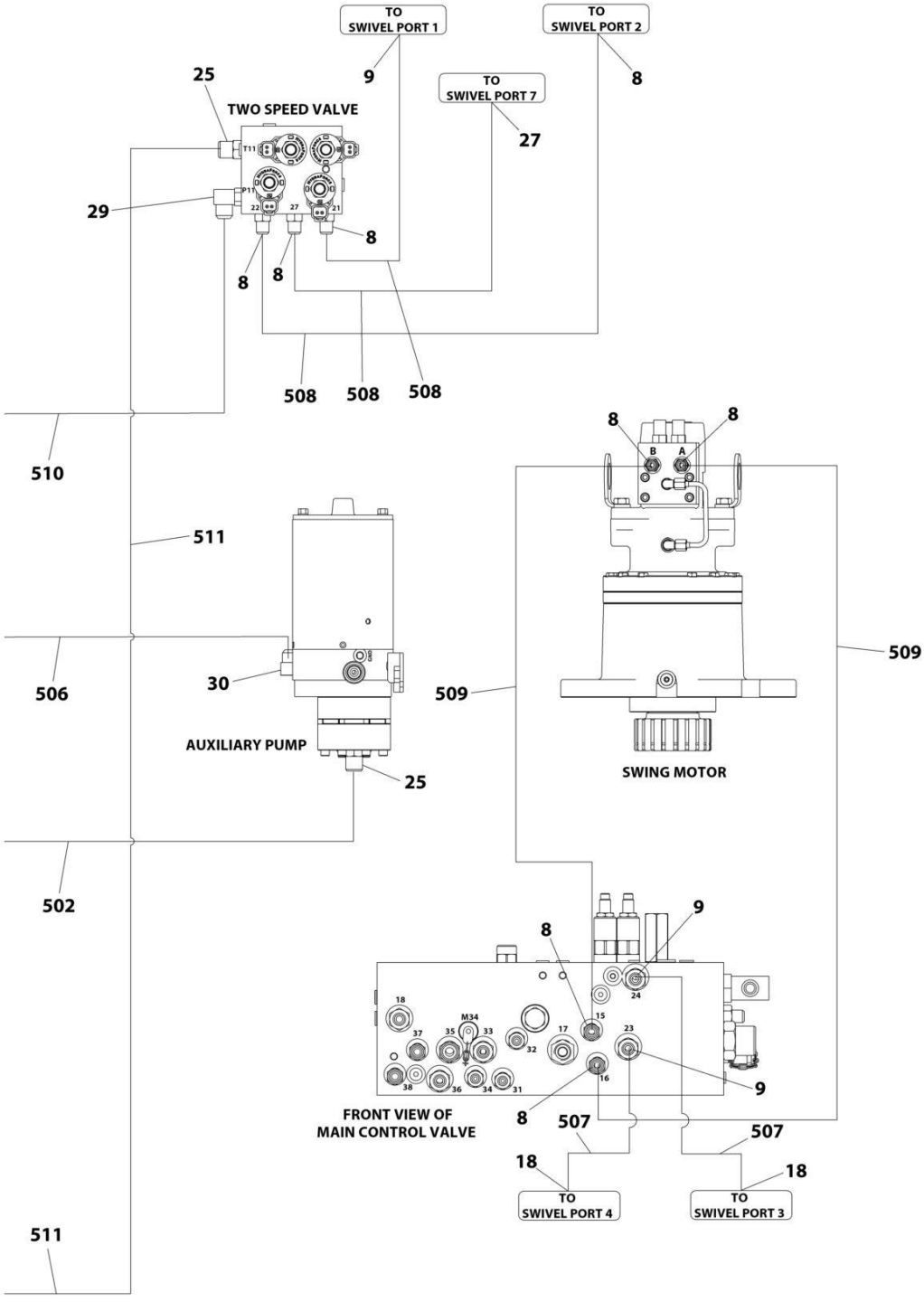
FIGURE 7-5. 1K45FT 4WD HYDRAULIC SYSTEM INSTALLATION (460SJ)

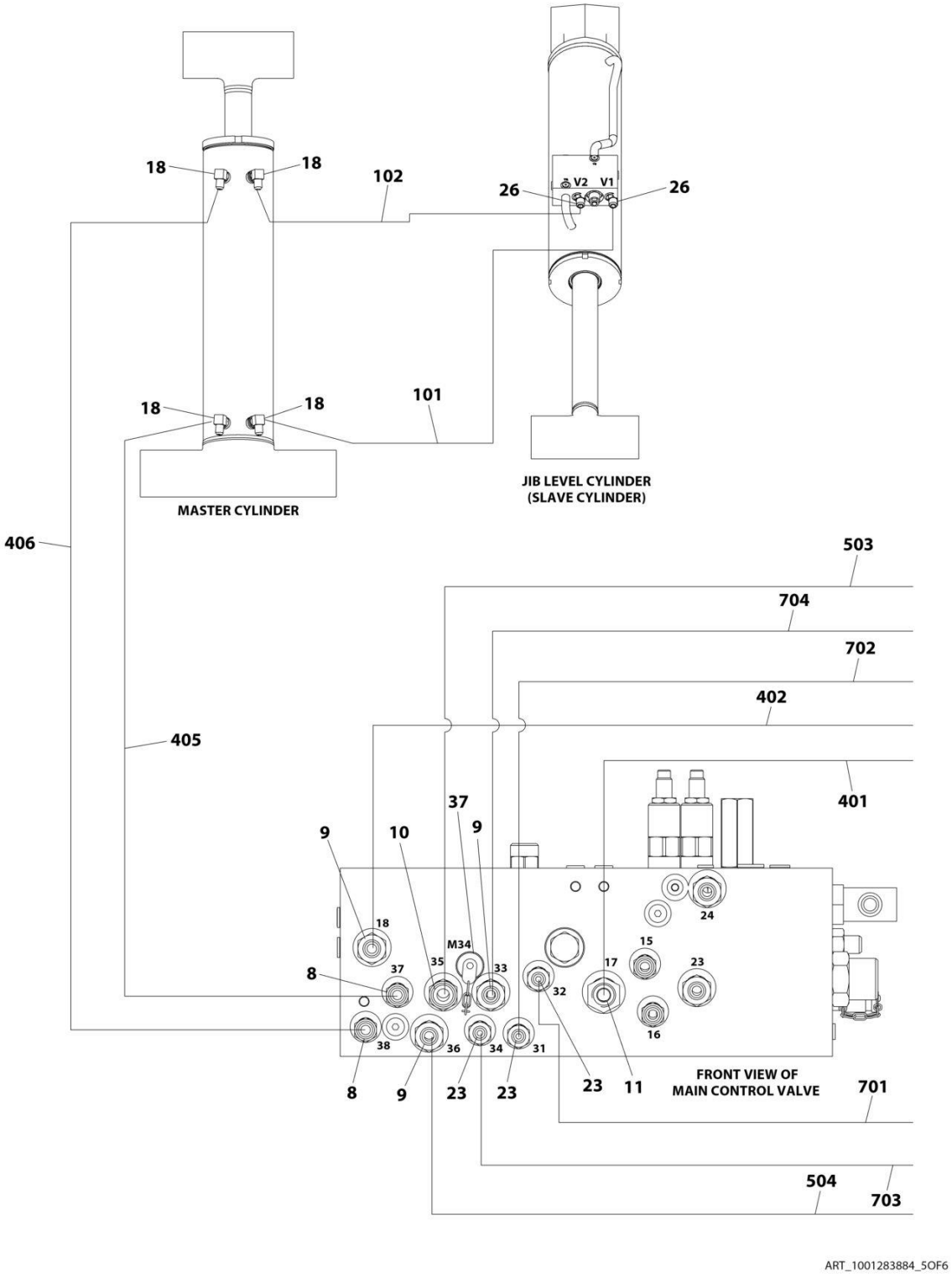




ART_1001283884_2OF6


TO SWIVEL PORT 5
TO SWIVEL PORT 6
TO SWIVEL PORT 8
602
601
4
4
12
5
34
42
7
503
FRONT VIEW OF FUNCTION PUMP
14
33
505
5
BACK VIEW OF FUNCTION PUMP
510
504
33
11
31
28
GEAR PUMP
CHARGE FILTER
506
603
603
13
501
502
605
9
7
37
10
P2
MP1
T1
P1
13
HYDRAULIC OIL TANK
47
13
SIDE VIEW OF MAIN CONTROL VALVE
604
511
ART_1001283884_3OF6


TO SWIVEL PORT 1
TO SWIVEL PORT 2
TO SWIVEL PORT 7
25
TWO SPEED VALVE
9
8
27
29
8
8
8
508
508
508
510
511
506
30
AUXILIARY PUMP
25
502
8
8
B
A
509
509
SWING MOTOR
9
8
24
18
M34
37
35
33
17
15
23
32
16
38
36
34
31
9
8
FRONT VIEW OF
MAIN CONTROL VALVE
507
507
18
18
TO SWIVEL PORT 4
TO SWIVEL PORT 3
511
ART_1001283884_4OF6


18
18
102
26
V2
V1
26
18
18
101
MASTER CYLINDER
JIB LEVEL CYLINDER
(SLAVE CYLINDER)
406
503
704
702
402
405
401
37
9
9
10
18
M34
35
33
37
8
38
36
34
31
32
17
15
23
24
16
8
9
23
23
23
11
FRONT VIEW OF
MAIN CONTROL VALVE
701
504
703
ART_1001283884_5OF6

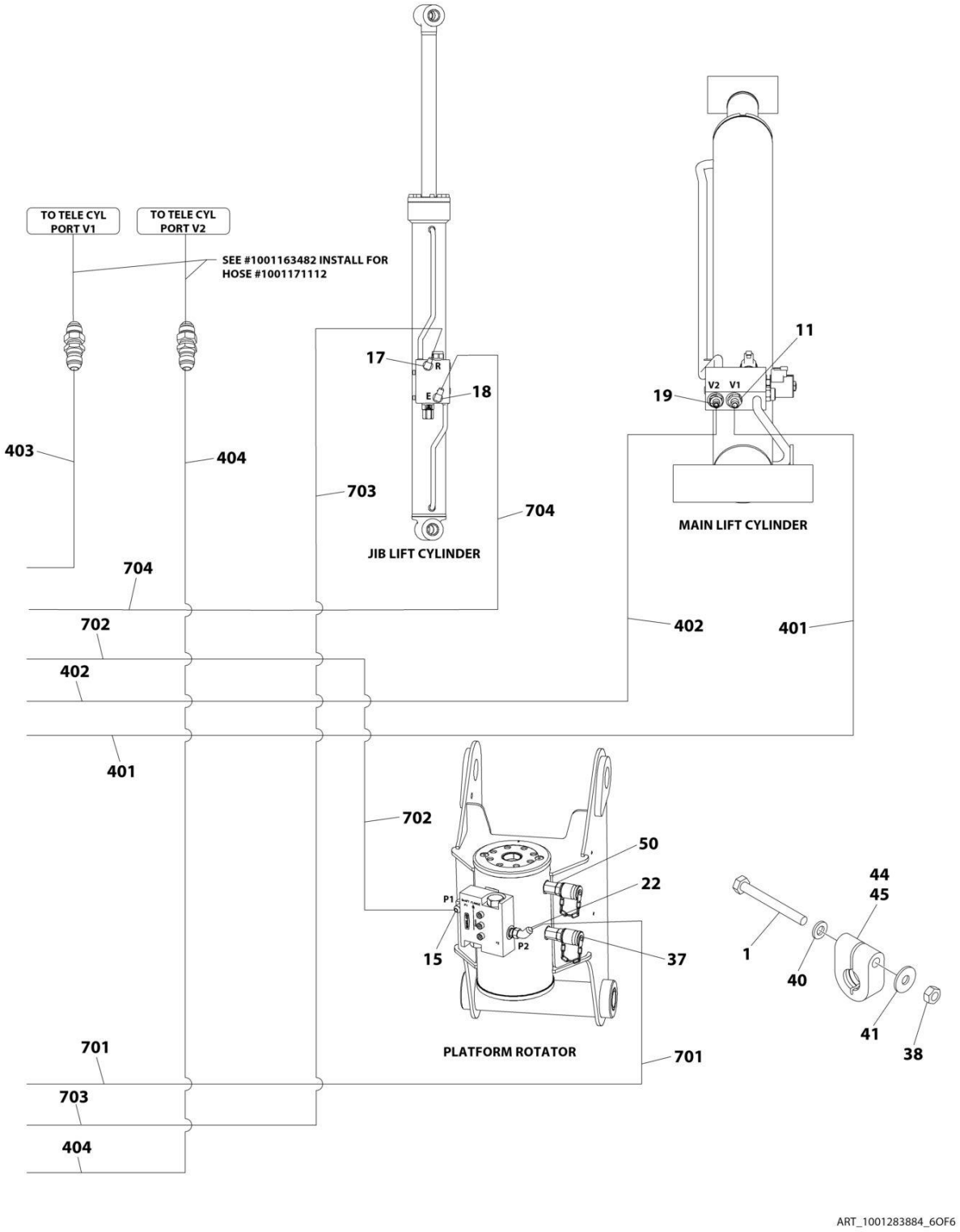

TO TELE CYL PORT V1
TO TELE CYL PORT V2
SEE #1001163482 INSTALL FOR HOSE #1001171112
403
404
17
R
E
18
703
704
JIB LIFT CYLINDER
11
V2
V1
19
MAIN LIFT CYLINDER
704
702
402
401
402
401
702
50
22
P1
P2
15
37
PLATFORM ROTATOR
701
703
404
701
44
45
1
40
41
38
ART_1001283884_6OF6

FIGURE 7-5. 1K45FT 4WD HYDRAULIC SYSTEM INSTALLATION (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283884	Ref	4WD HYDRAULIC SYSTEM INSTALLATION (ALL MACHINES)	C
1	0760619	2	Bolt M6 x 55	
2	2110810	8	Fitting, Straight ORFS/ORB	
3	2110812	8	Fitting, Straight ORFS/ORB	
4	2111216	5	Fitting, Straight ORFS/ORB	
5	2131212	2	Fitting, 90 ORFS/ORB	
6	2131216	1	Fitting, 90 ORFS/ORB	
7	2220366	2	Fitting, 90 JIC/ORB	
8	2220371	10	Fitting, Straight JIC/ORB	
9	2220372	9	Fitting, Straight JIC/ORB	
10	2220373	5	Fitting, Straight JIC/ORB	
11	2220374	3	Fitting, Straight JIC/ORB	
12	2220375	1	Fitting, Straight JIC/ORB	
13	2220377	3	Fitting, Straight JIC/ORB	
14	2220451	1	Fitting, Straight JIC/ORB	
15	2220466	3	Fitting, 90 JIC/ORB	
16	2220468	2	Fitting, Straight JIC/ORB	
17	2220472	1	Fitting, 90 JIC/ORB	
18	2220473	9	Fitting, 90 JIC/ORB	
19	2220497	1	Fitting, Straight JIC/ORB	
20	2220500	2	Fitting, 45 JIC/ORB	
21	2220501	2	Fitting, 45 JIC/ORB	
22	2220502	1	Fitting, 45 JIC/ORB	
23	2220582	6	Fitting, Straight JIC/ORB	
24	2220596	2	Fitting, 90 JIC/ORB	
25	2220600	2	Fitting, Straight JIC/ORB	
26	2220603	2	Fitting, Straight JIC/ORB	
27	2220628	1	Fitting, 90 JIC/ORB	
28	2220695	1	Fitting, Tee JIC/ORB/JIC	
29	2220726	1	Fitting, 90 JIC/ORB	
30	2220775	1	Fitting, 90 JIC/ORB	
31	2220906	1	Fitting, 90 JIC/ORB	
32	2220923	2	Fitting, Straight JIC/ORB	
33	2220946	2	Fitting, Straight JIC/ORB	
34	2220947	1	Fitting, Straight JIC/ORB	
35	2220998	2	Fitting, Straight JIC/ORB	
36	2221040	2	Fitting, 45 JIC/ORB	
37	2221086	4	Fitting, Diagnostic Test Port	
38	3290601	2	Nut M6 x 1	
39	4240018	22	Tie-Strap (Not Shown)	
40	4811700	2	Washer M6	
41	4811702	2	Washer M6	
42	88662037	1	Fitting, Straight JIC/ORB	
43	1001175024	1	Fitting, Tee JIC/JIC/ORB	
44	1001191275	1	Clamp	
45	1001191276	1	Clamp	
46	1001197272	1	Fitting, Tee JIC/ORB/JIC	
47	1001202910	2	Fitting, Straight MORB	
48	1001275635	2	Clamp (Not Shown)	
49	1001136358	1	Sleeve, Abrasion (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	2060404	2	Fitting, Straight FORB/ORB	
100	1001202940	1	Upper Boom Hose Kit (Includes Items 101-102) (Not Shown)	
101	1001173909	1	Hose	
102	1001173937	1	Hose	
200	1001202943	1	Kit, Chassis Rear Hose (Includes Items 201 - 206) (Not Shown)	
201	1001172695	1	Hose	
202	1001172697	1	Hose	
203	1001184561	1	Hose	
204	1001184562	1	Hose	
205	1001184563	1	Hose	
206	1001197284	1	Hose	
300	1001202944	1	Kit, Chassis Front Hose (Includes Items 301 - 307) (Not Shown)	
301	1001172692	1	Hose	
302	1001172698	1	Hose	
303	1001172699	1	Hose	
304	1001172703	1	Hose	
305	1001172707	1	Hose	
306	1001184542	1	Hose	
307	1001184543	1	Hose	
400	1001202946	1	Kit, Turntable Hosing (Includes Items 401 - 406) (Not Shown)	
401	1001173901	1	Hose	
402	1001173902	1	Hose	
403	1001173903	1	Hose	
404	1001173904	1	Hose	
405	1001173907	1	Hose	
406	1001173908	1	Hose	
500	1001252922	1	Kit, Turntable Hosing (Includes Items 501 - 511) (Not Shown)	
501	2752500	1	Hose	
502	1001172716	1	Hose	
503	1001172717	1	Hose	
504	1001172718	1	Hose	
505	1001172719	1	Hose	
506	1001172721	1	Hose	
507	1001172722	1	Hose	
508	1001172723	1	Hose	
509	1001173900	1	Hose	
510	1001181075	1	Hose	
511	1001193654	1	Hose	
600	1001252923	1	Kit, Turntable Hosing (Includes Items 601 - 605) (Not Shown)	
601	1001173898	1	Hose	
602	1001181074	1	Hose	
603	1001207332	1	Hose	
604	1001207333	1	Hose	
605	1001216655	1	Hose	
700	1001283883	1	Kit, Hose (Includes Items 701 - 704) (Not Shown)	
701	1001287427	1	Hose	
702	1001287428	1	Hose	
703	1001283881	1	Hose	
704	1001283882	1	Hose	

SECTION 8 - ELECTRICAL

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

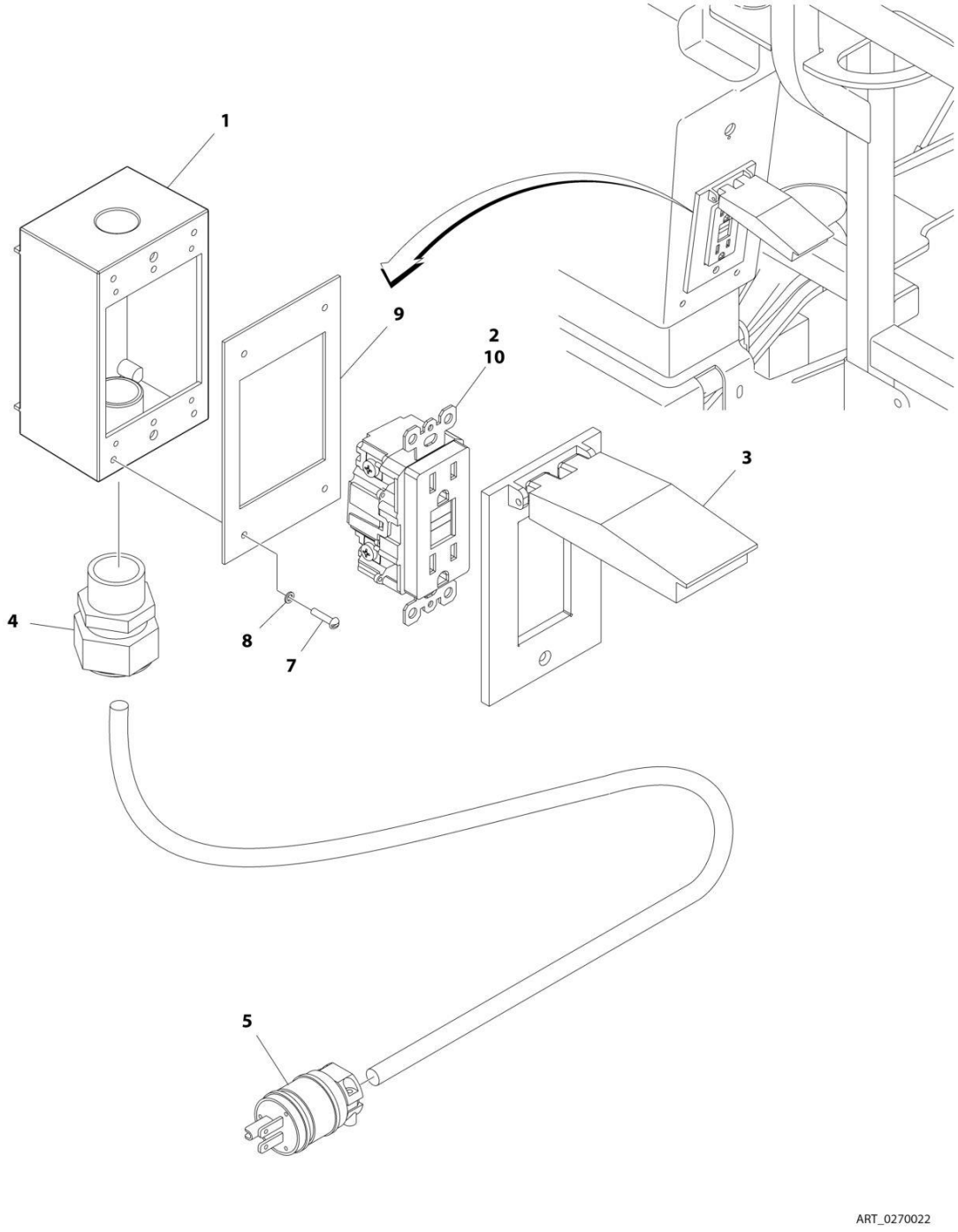


FIGURE 8-1. AC BOX AT PLATFORM INSTALLATION - 110V (ANSI, ANSI EXPORT(HRC), CSA AND JAPANESE SPECS)

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)

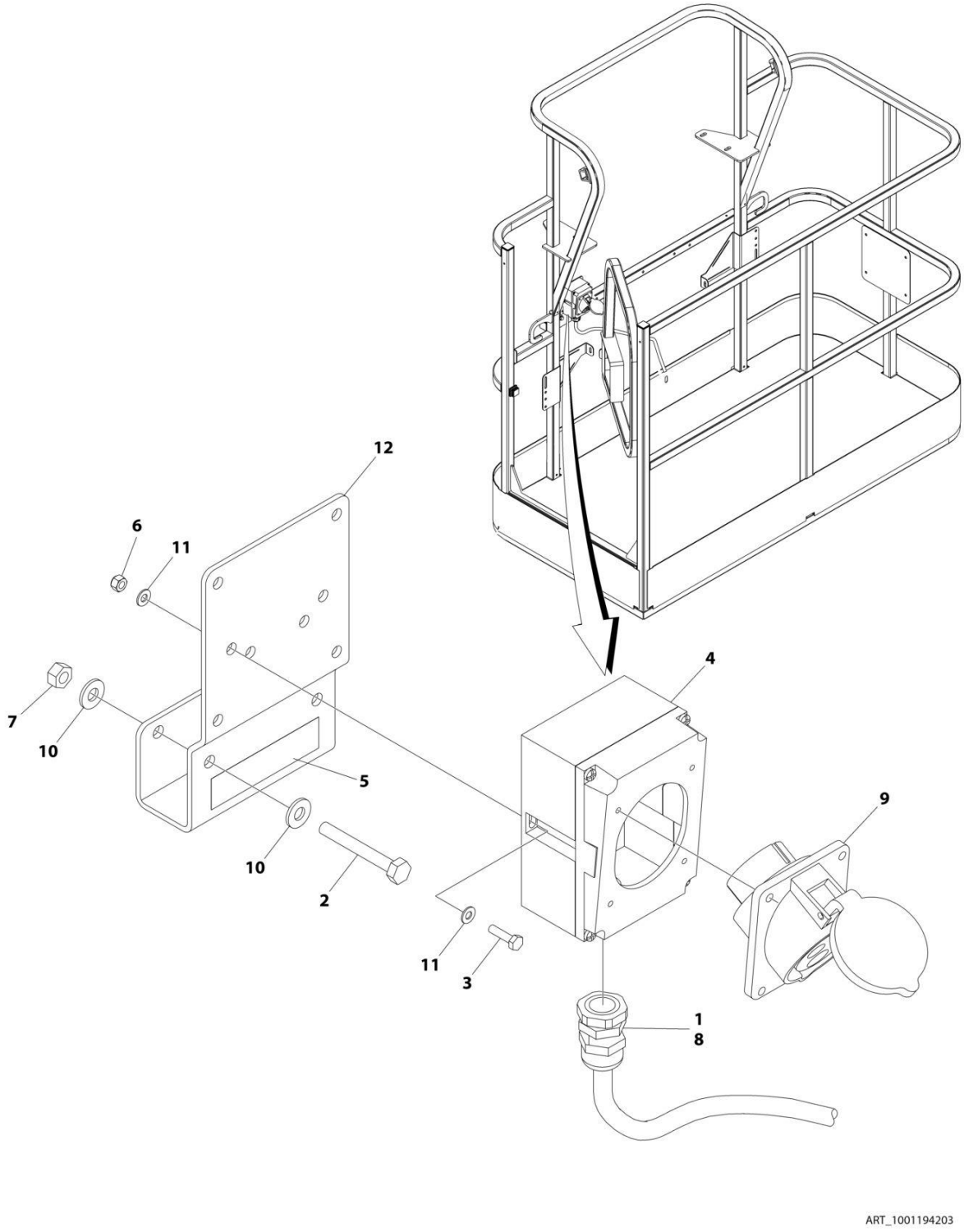


FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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)

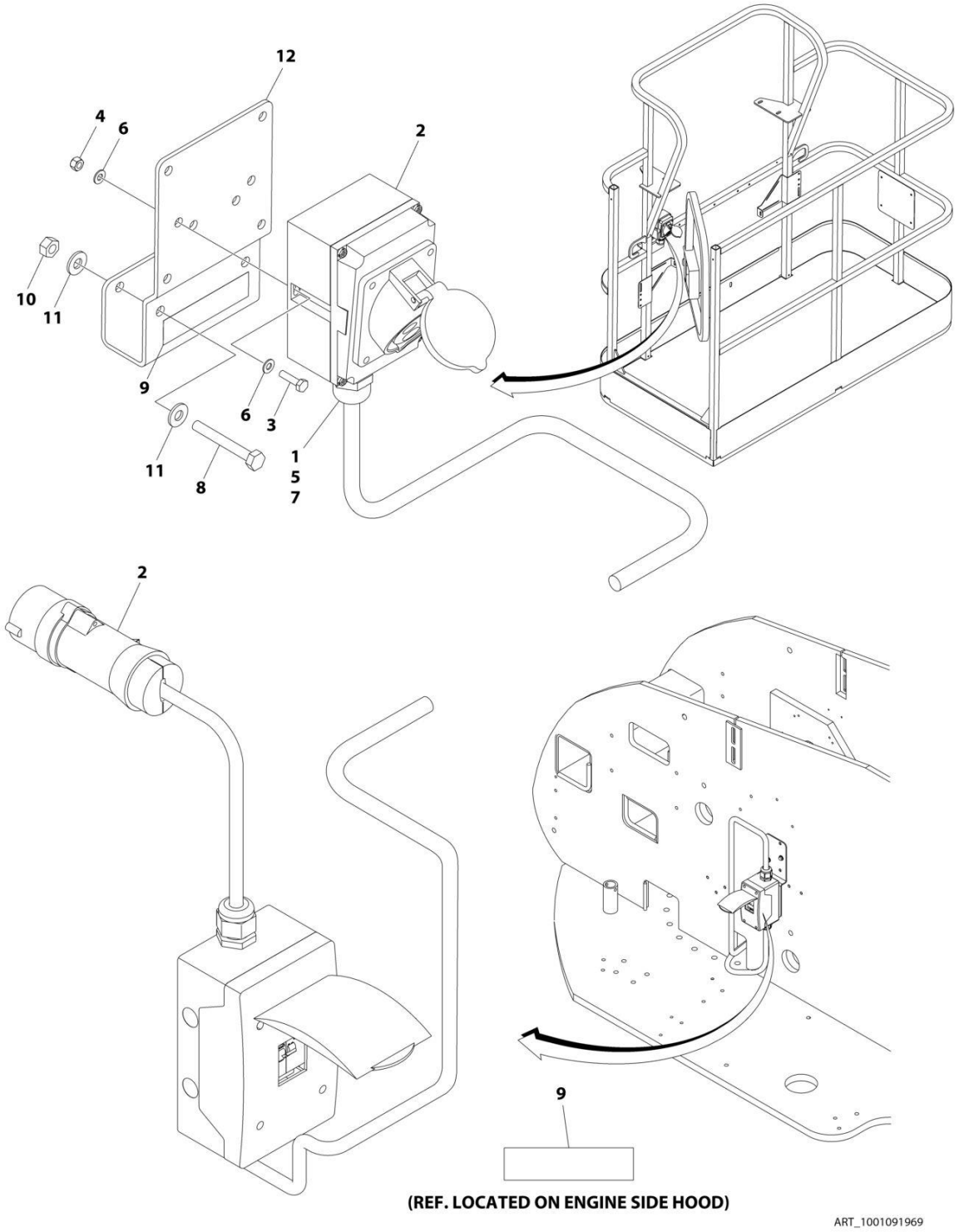


FIGURE 8-3. AC BOX AT PLATFORM - 110V IEC YELLOW (CE & UK CA SPEC WITHOUT GENERATOR)

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)

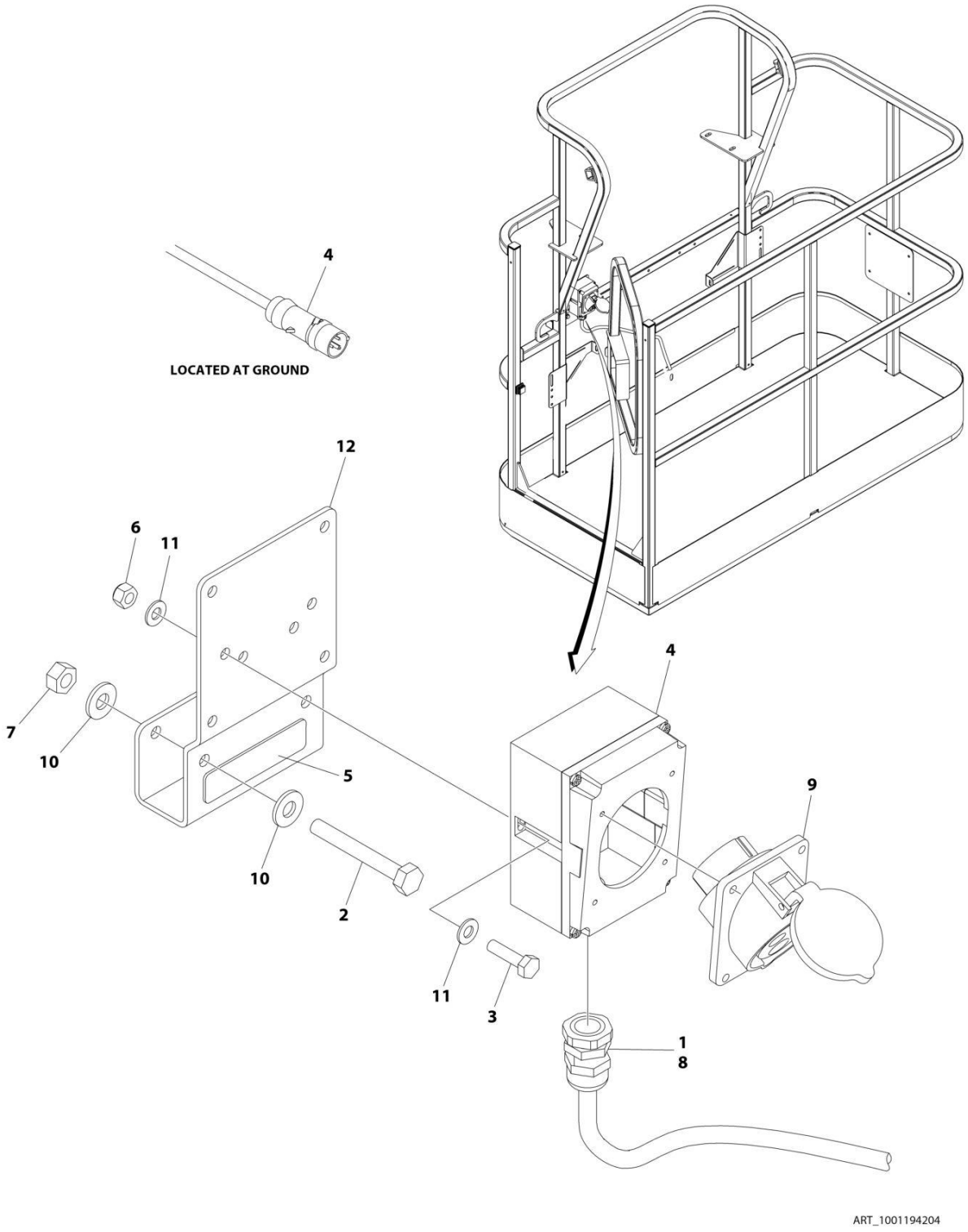


FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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)

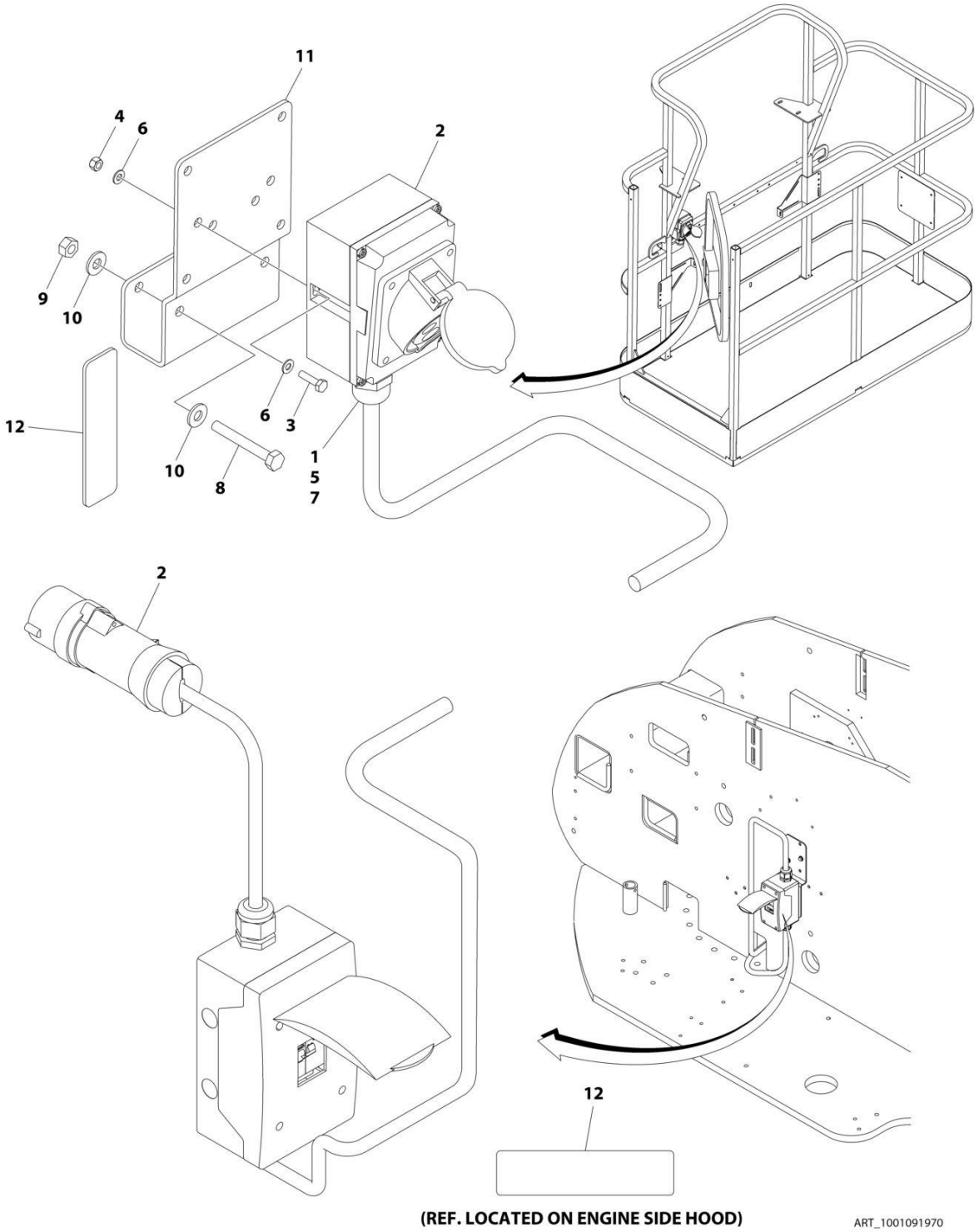


FIGURE 8-5. AC BOX AT PLATFORM - 220V IEC BLUE (CE & UK CA SPEC WITHOUT GENERATOR)

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)

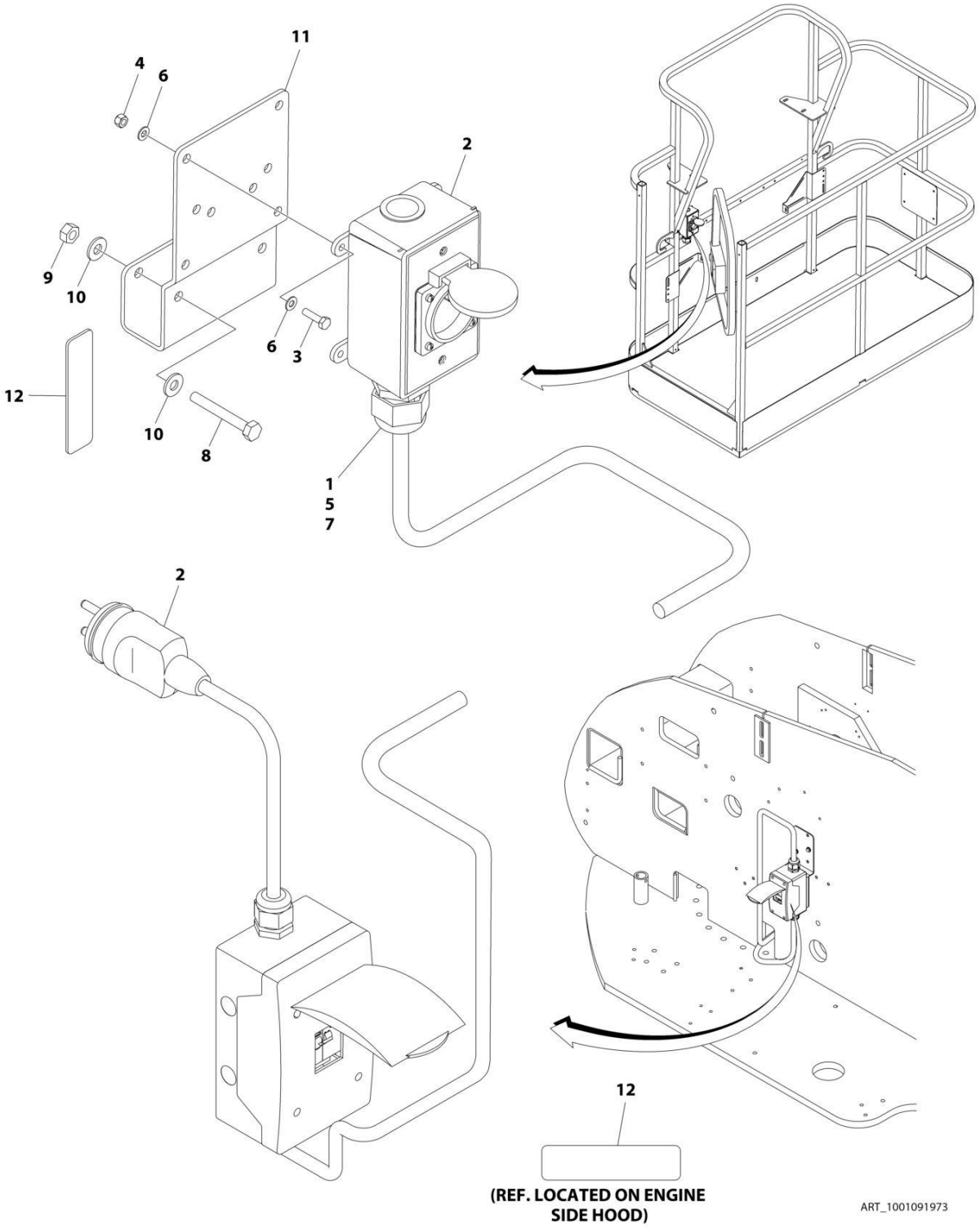


FIGURE 8-6. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPEC WITHOUT GENERATOR)

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)

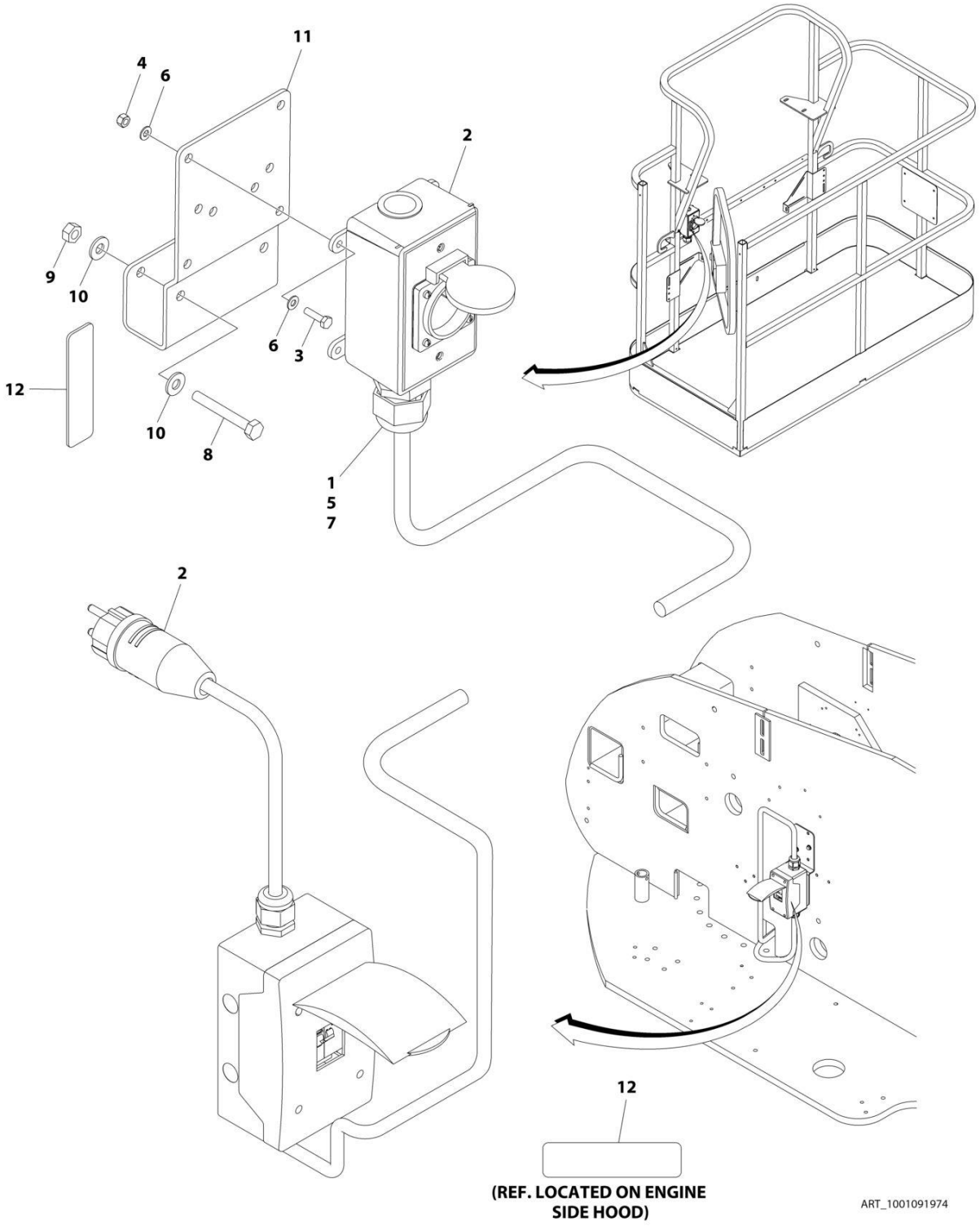


FIGURE 8-7. AC BOX AT PLATFORM - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPEC WITHOUT GENERATOR)

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)

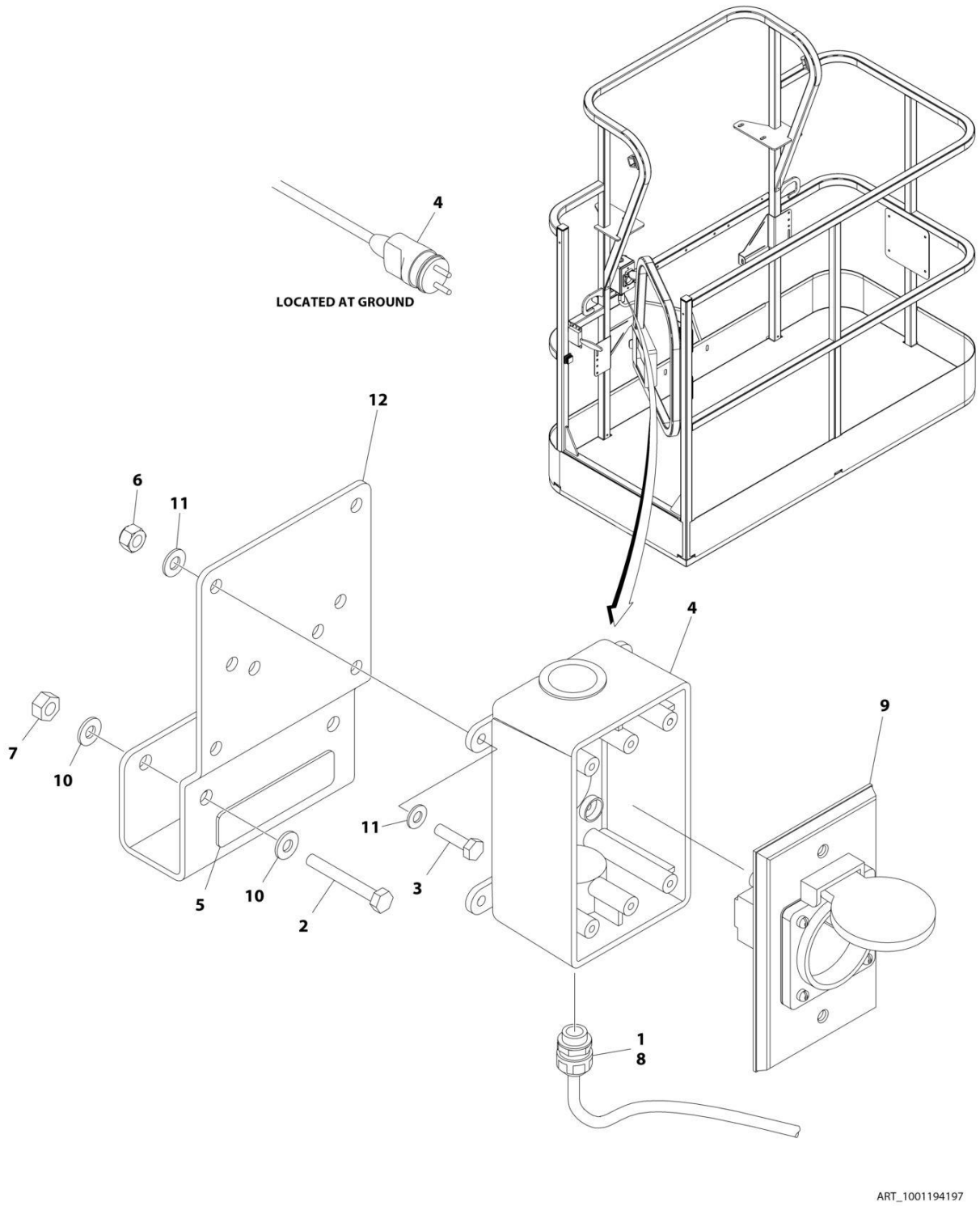


FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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)

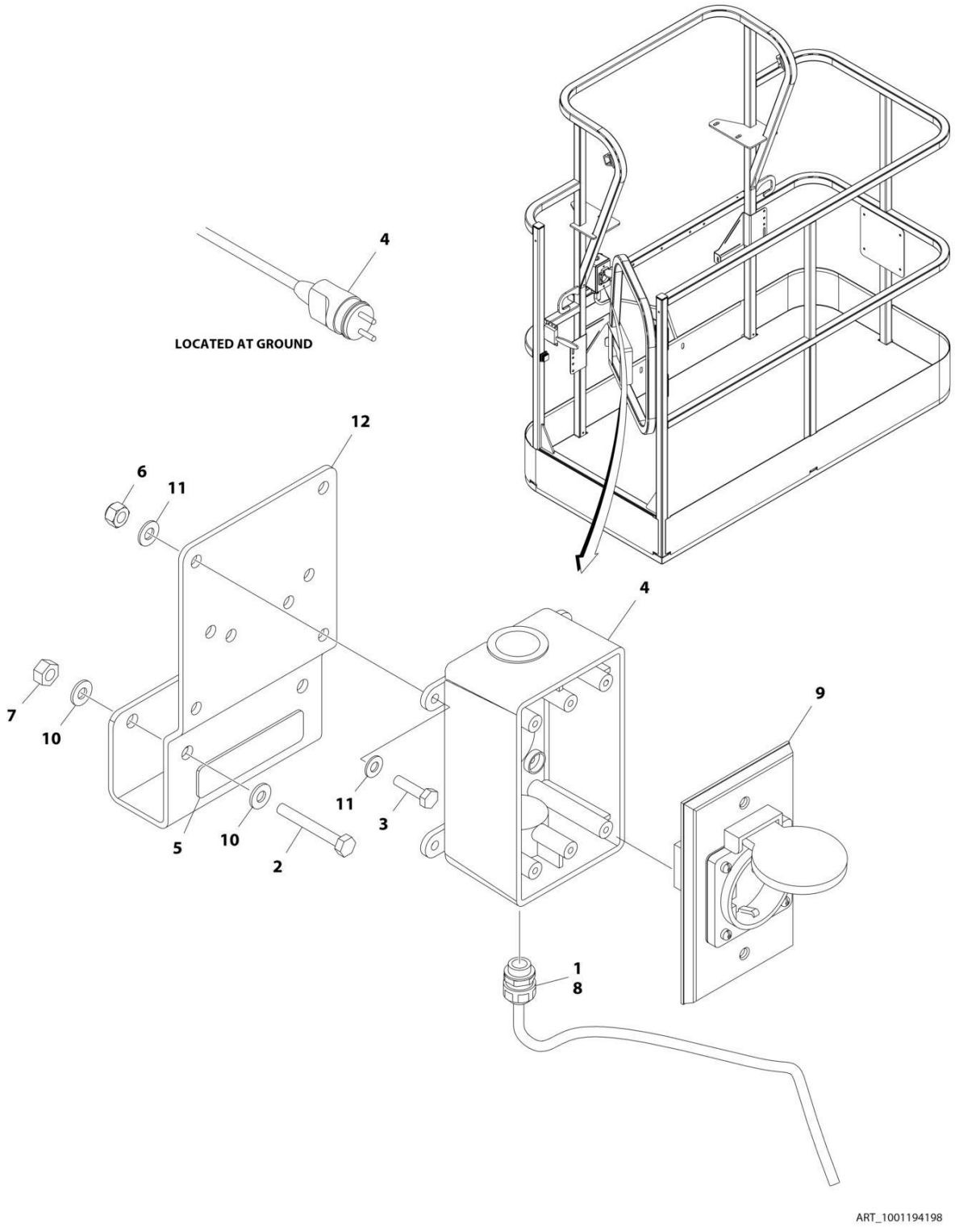


FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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)

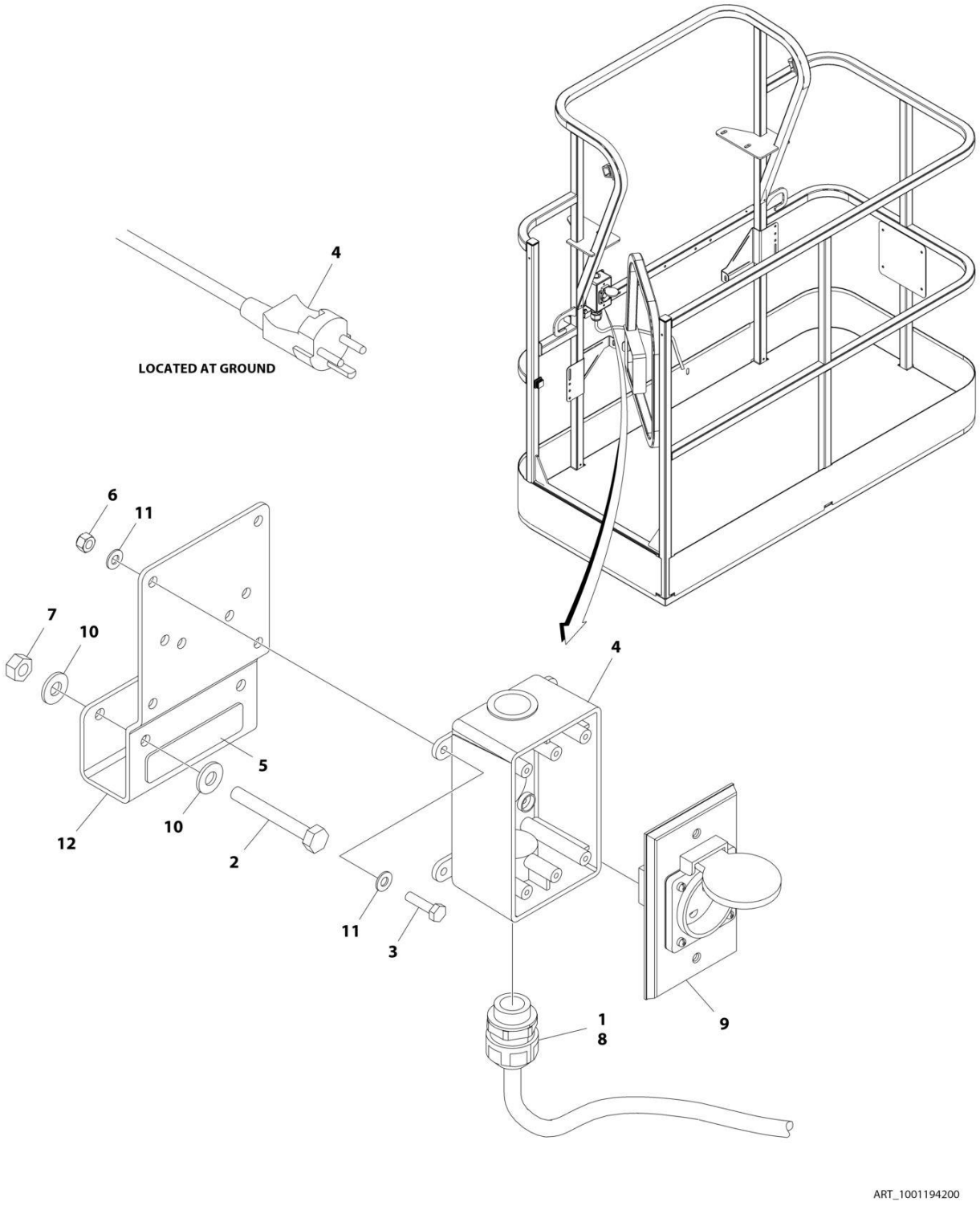


FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

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)

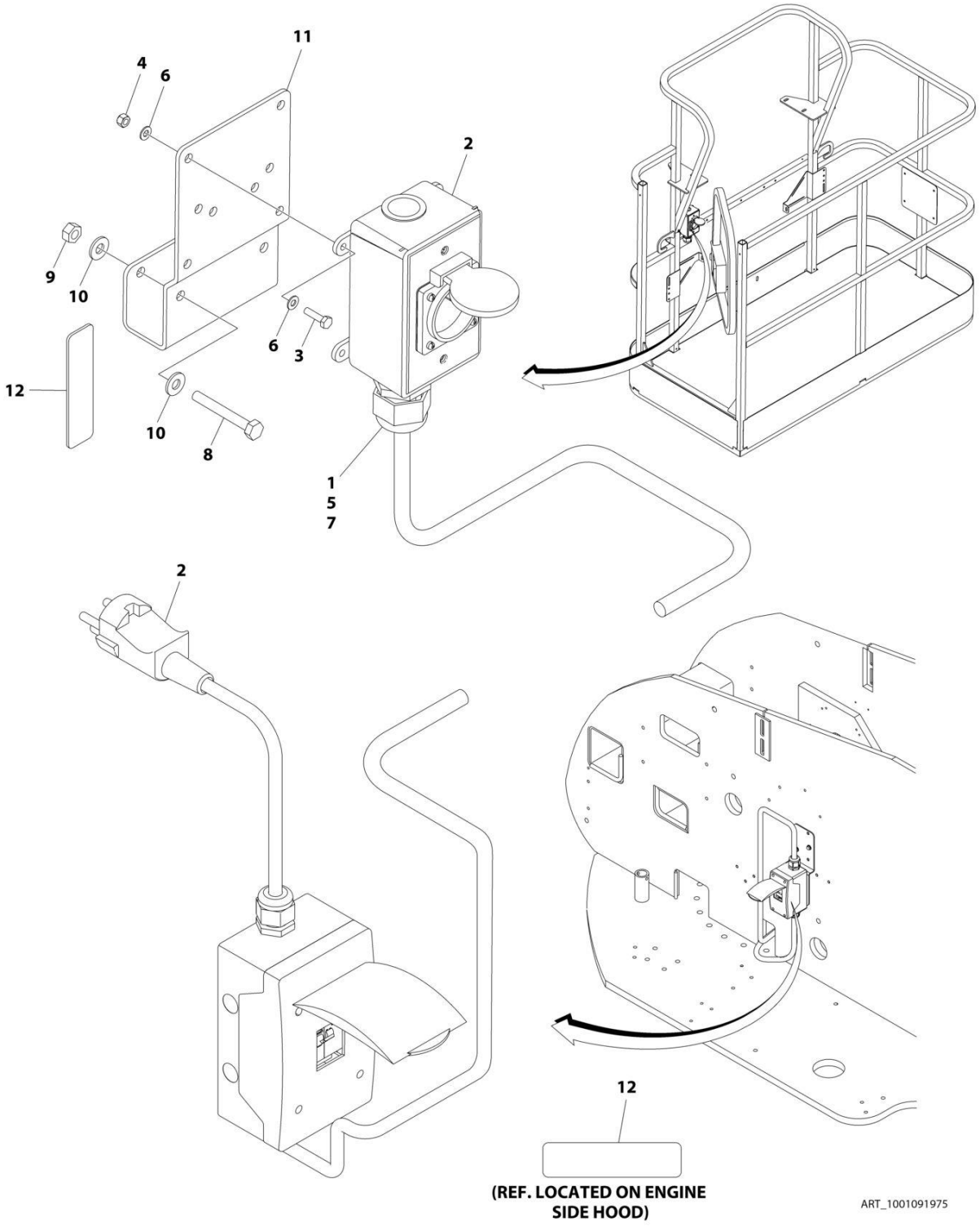


FIGURE 8-11. AC BOX AT PLATFORM - 220V AFSINT107 (CE & UK CA SPEC WITHOUT GENERATOR)

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 (ALL SPECS EXCEPT CSA SPECS)

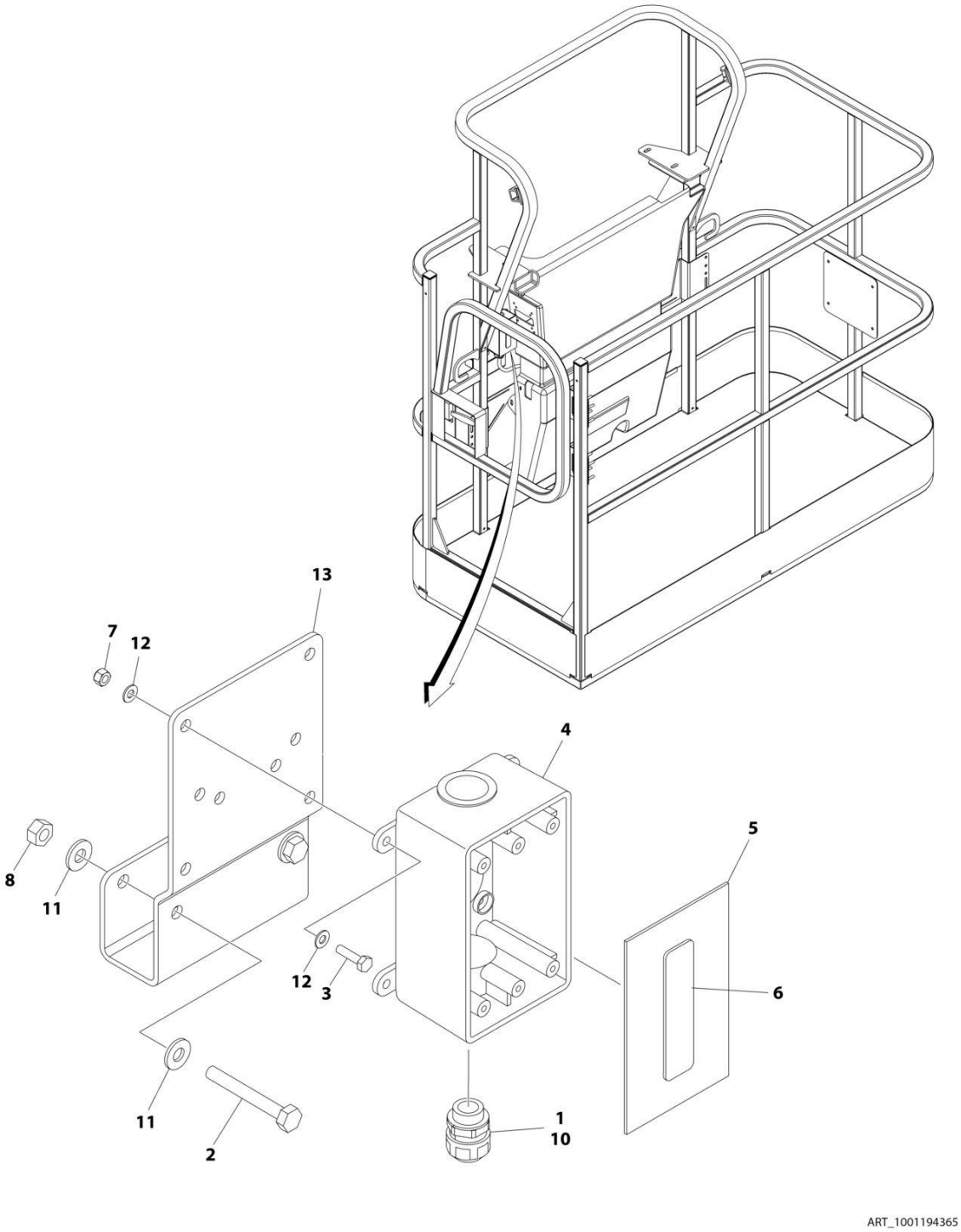


FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS (ALL SPECS EXCEPT CSA SPECS)

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(HRC), CSA AND JAPANESE SPECS)

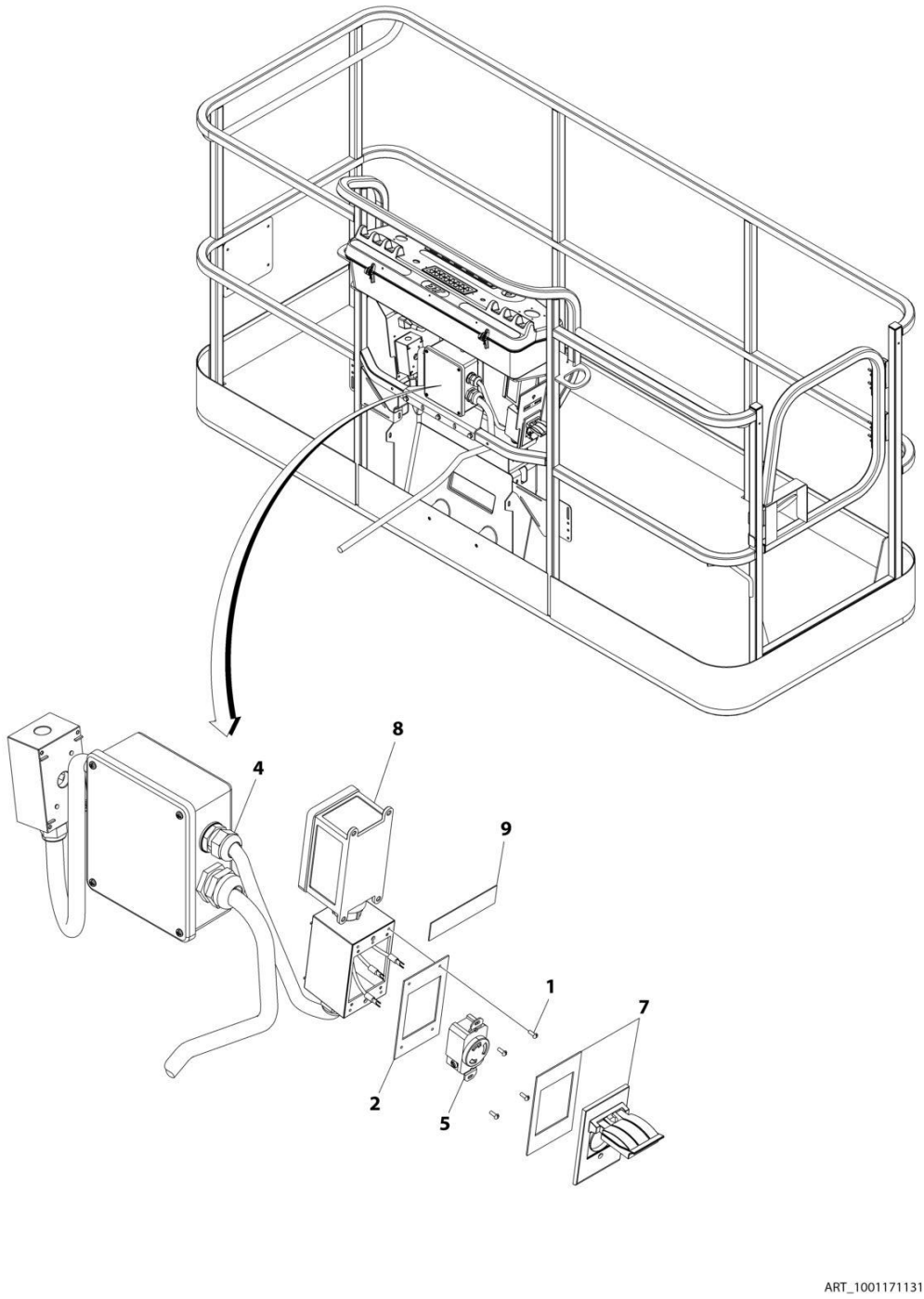


FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ANSI, ANSI EXPORT(HRC), CSA AND JAPANESE SPECS)

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(HRC), CSA AND JAPANESE SPECS)

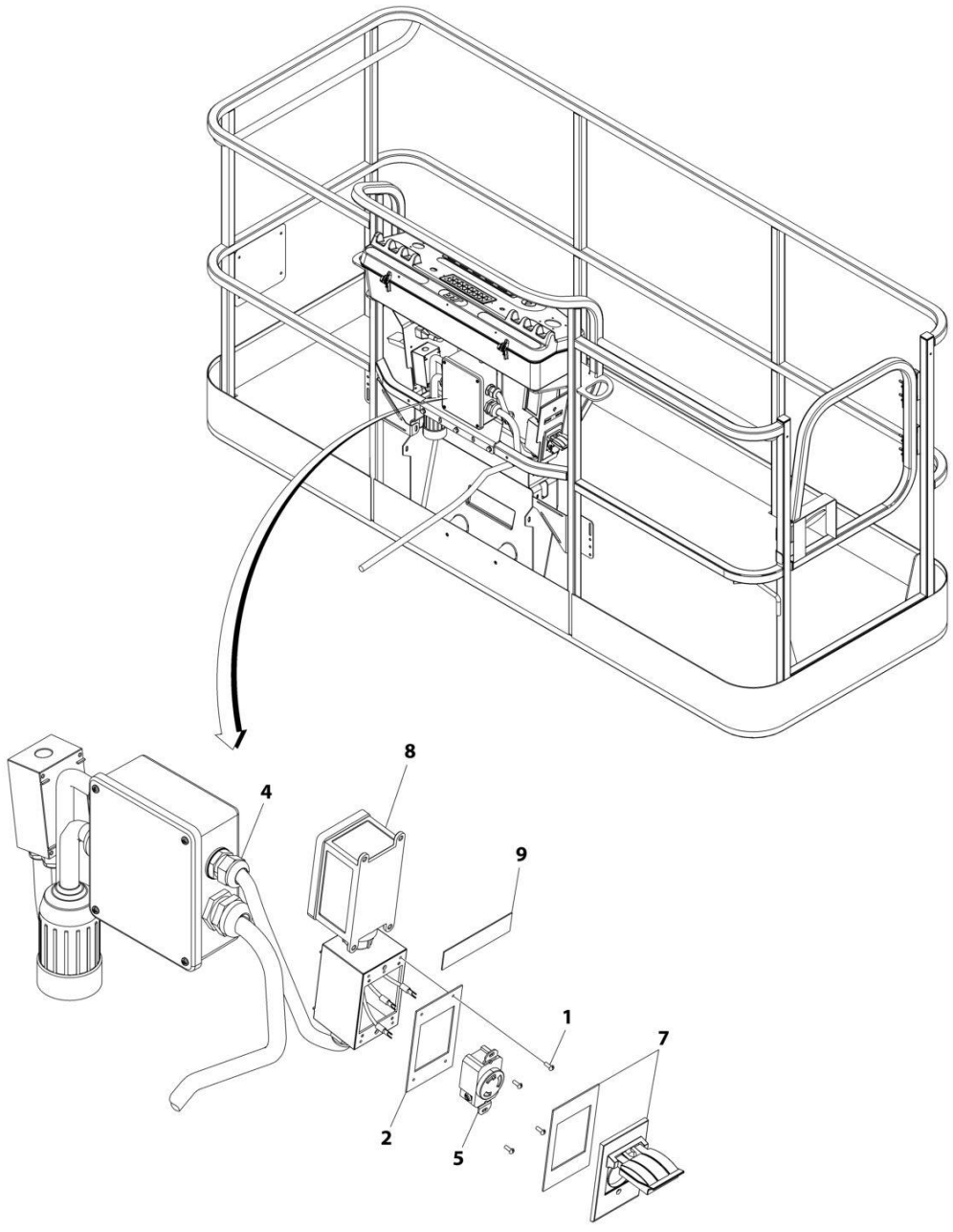


FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ANSI, ANSI EXPORT(HRC), CSA AND JAPANESE SPECS)

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)

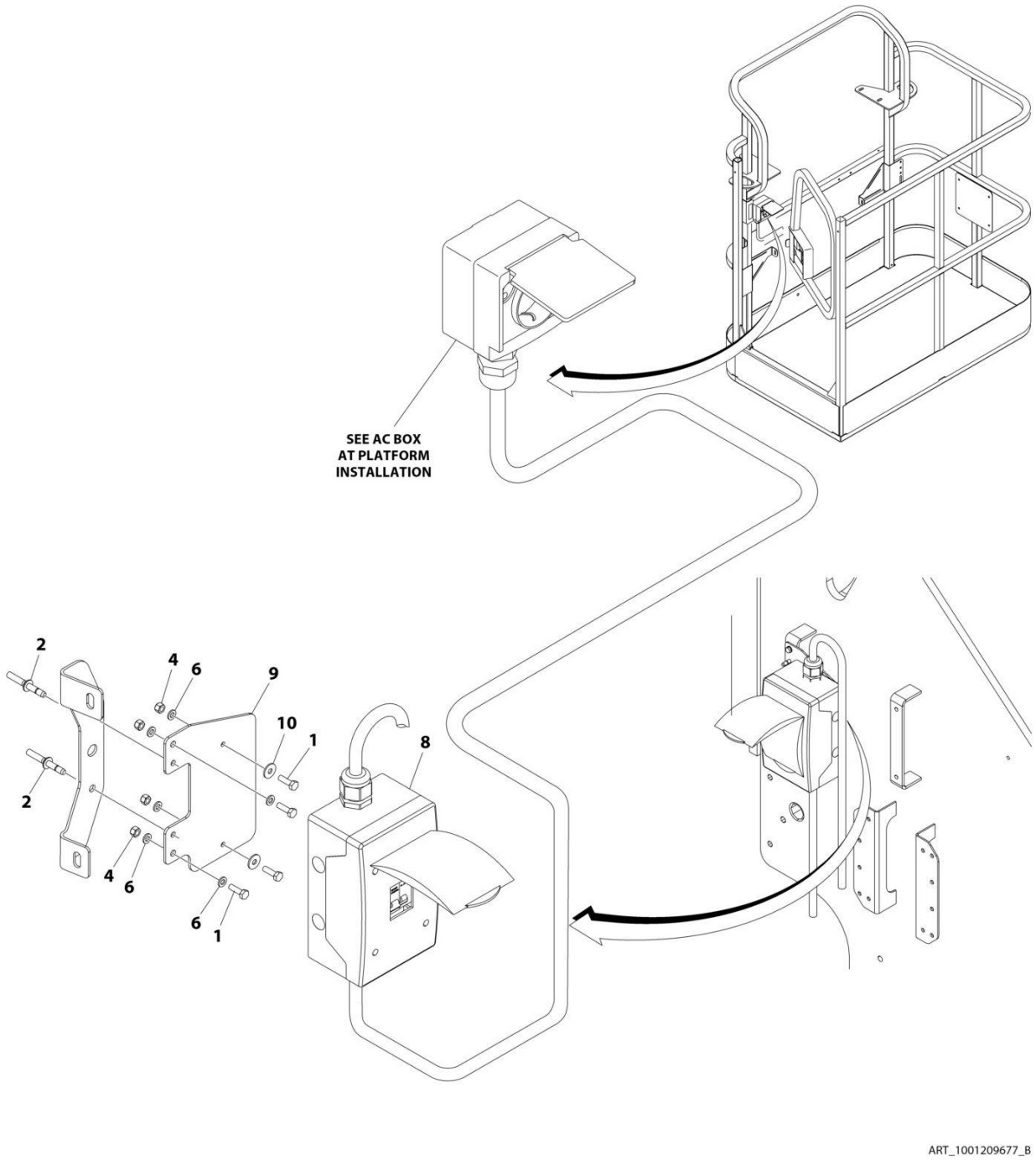


FIGURE 8-15. AC CABLE INSTALLATION - WITH THREE BREAKERS (CE & UK CA SPECS)

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

FIGURE 8-16. BATTERY DISCONNECT SWITCH

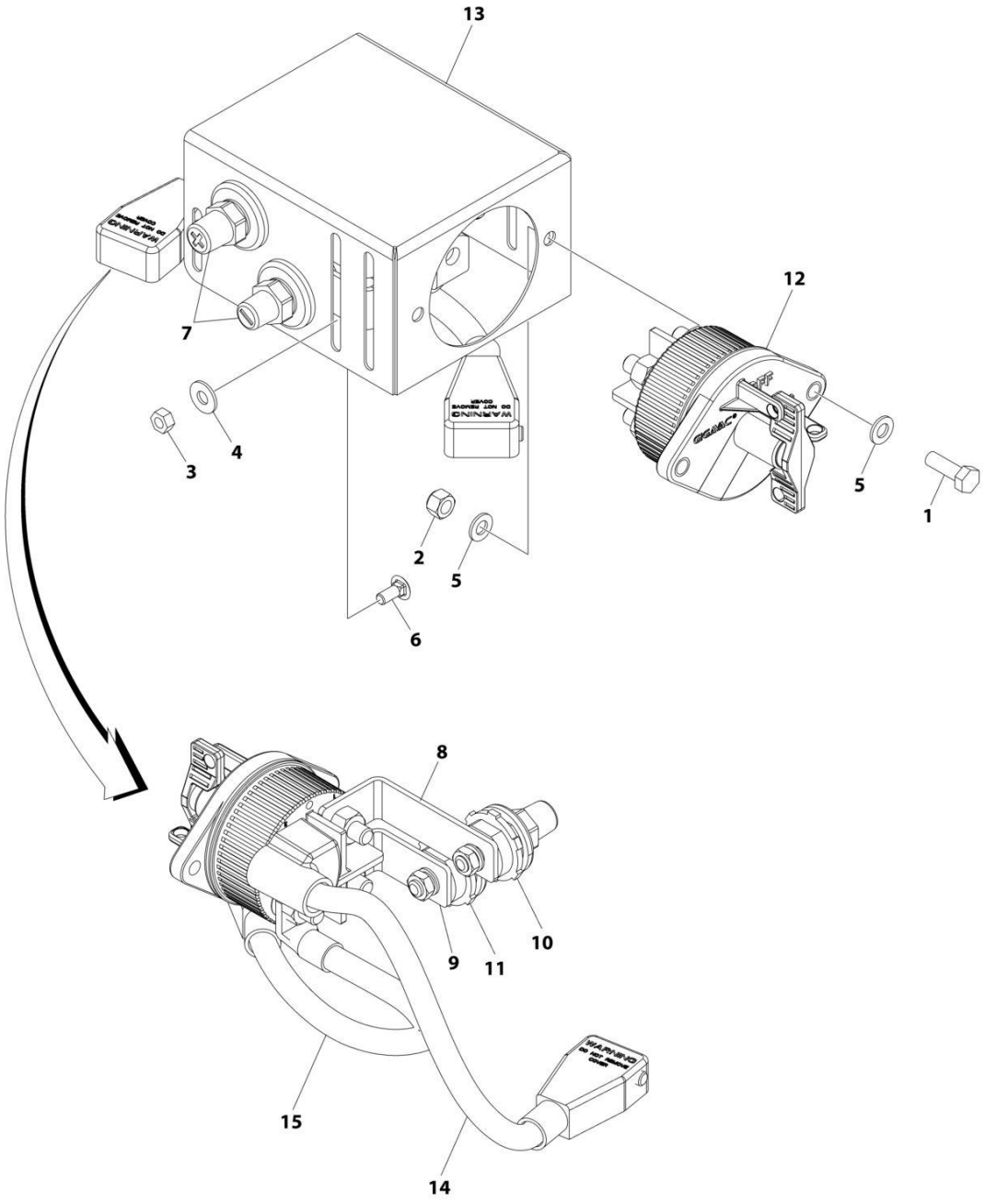


FIGURE 8-16. BATTERY DISCONNECT SWITCH

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 (AMBER LIGHT)

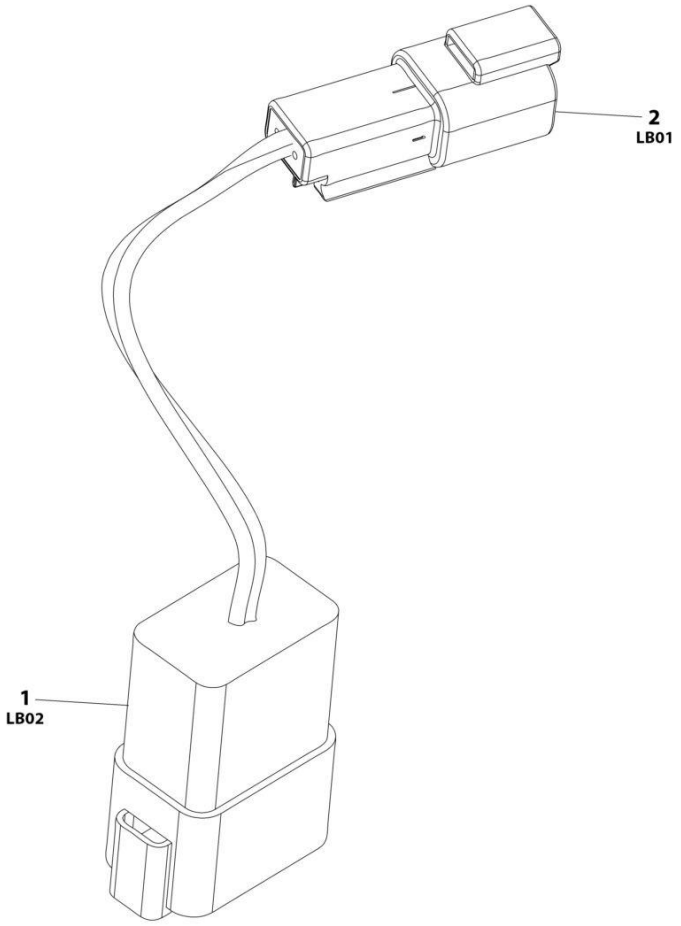


FIGURE 8-17. BEACON HARNESS (AMBER LIGHT)

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

FIGURE 8-18. BEACON HARNESS (BLUE/RED BEACON LIGHT)

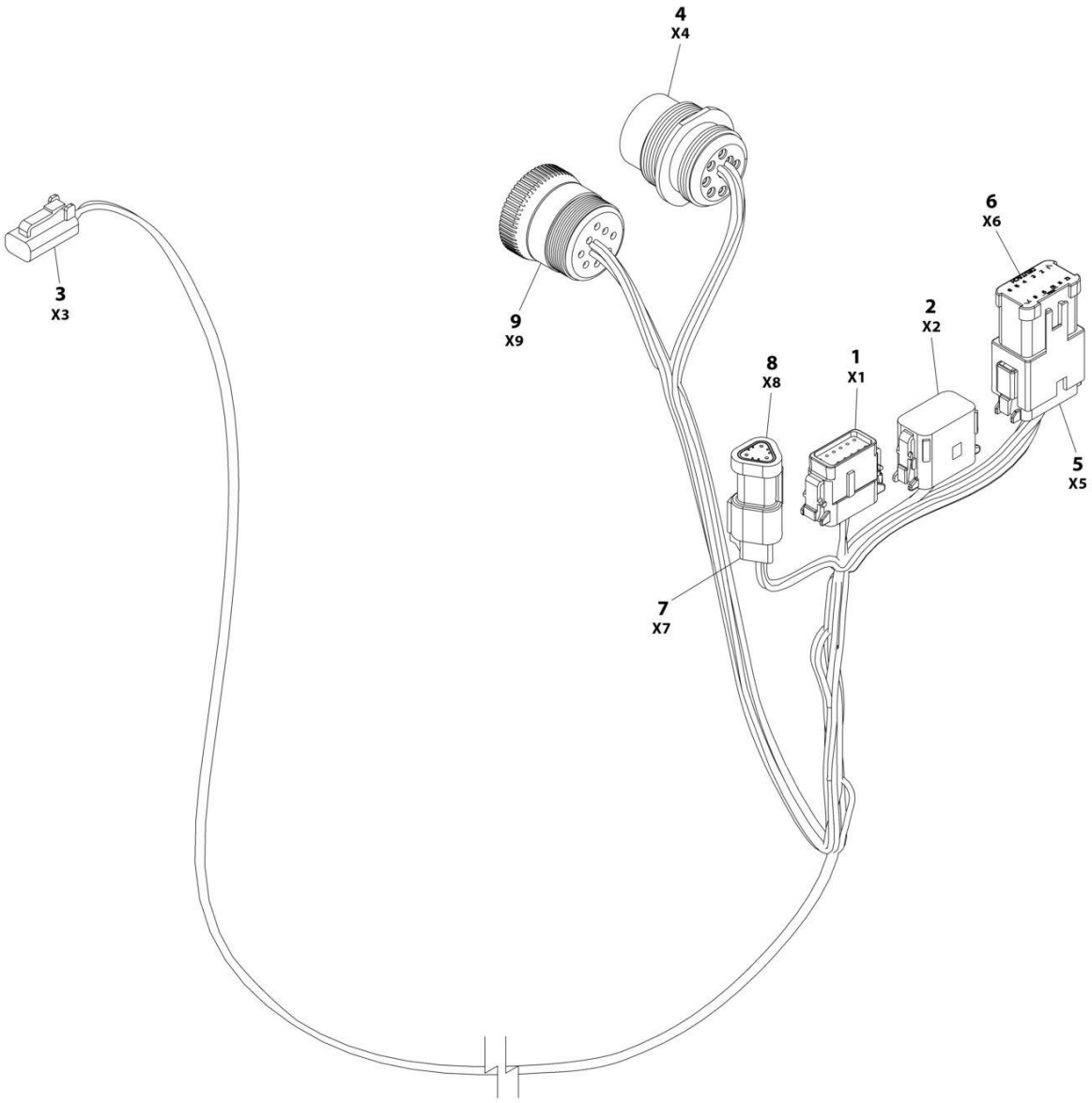


FIGURE 8-18. BEACON HARNESS (BLUE/RED BEACON LIGHT)

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 8-19. BOOM HARNESS (400S)

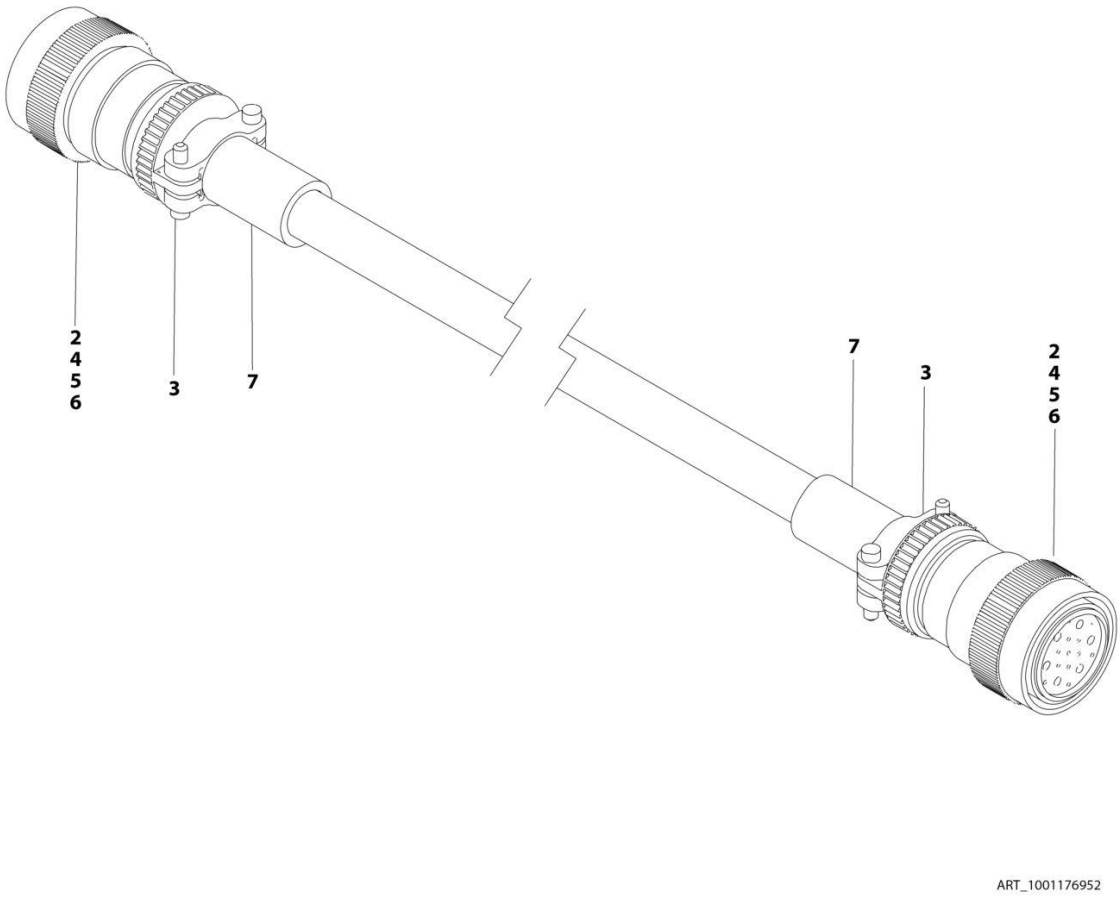


FIGURE 8-19. BOOM HARNESS (400S)

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 8-20. BOOM HARNESS - 1K45FT (460SJ)

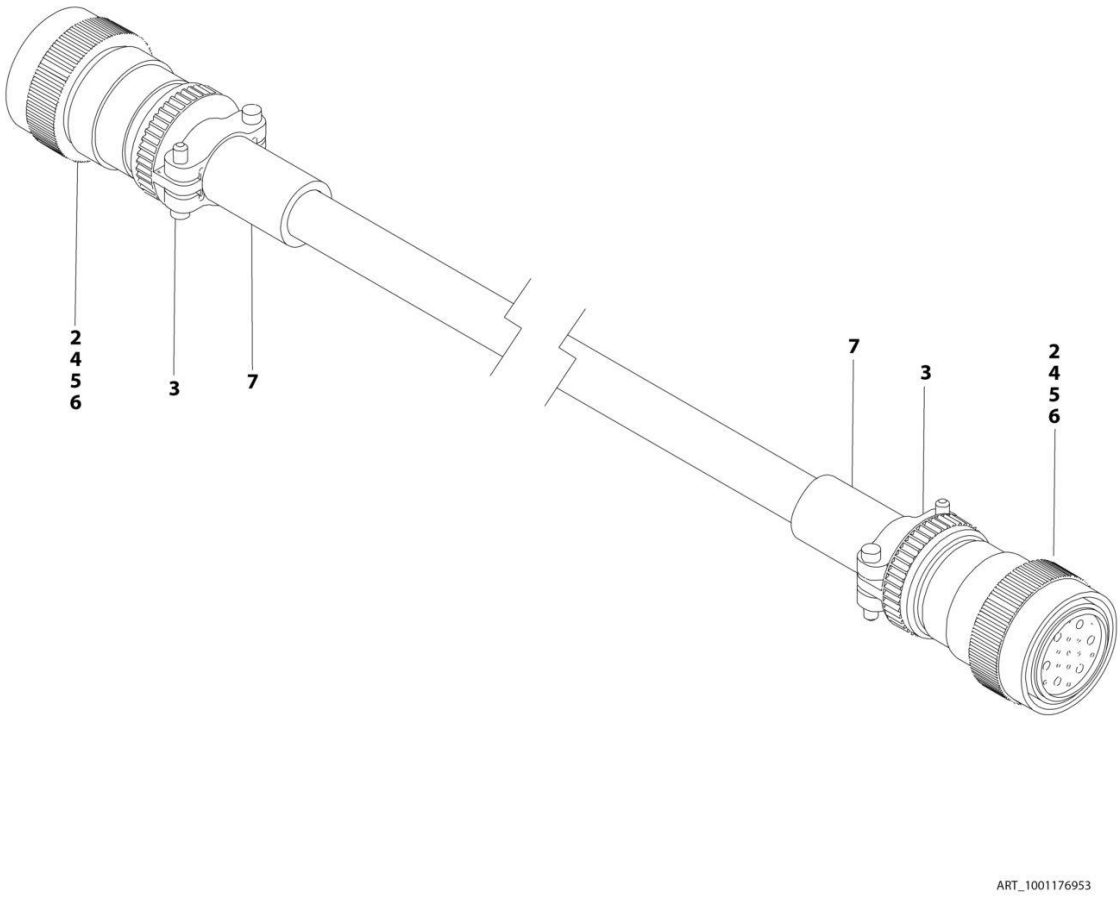


FIGURE 8-20. BOOM HARNESS - 1K45FT (460SJ)

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 8-21. BOOM CAPACITY PROXIMITY SWITCH HARNESS (400S)

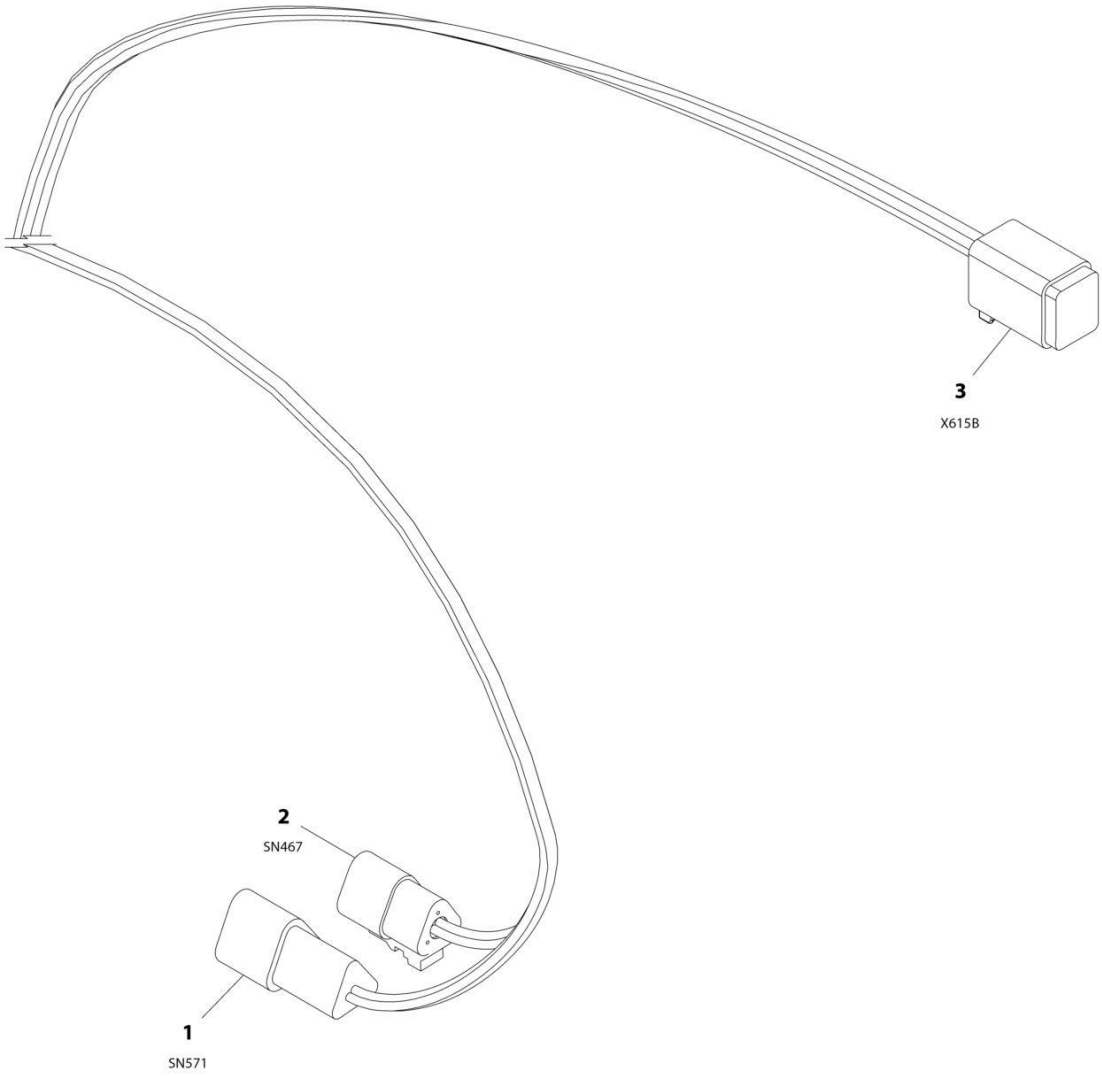


FIGURE 8-21. BOOM CAPACITY PROXIMITY SWITCH HARNESS (400S)

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 8-22. BOOM CAPACITY PROXIMITY SWITCH HARNESS - 1K45FT (460SJ)

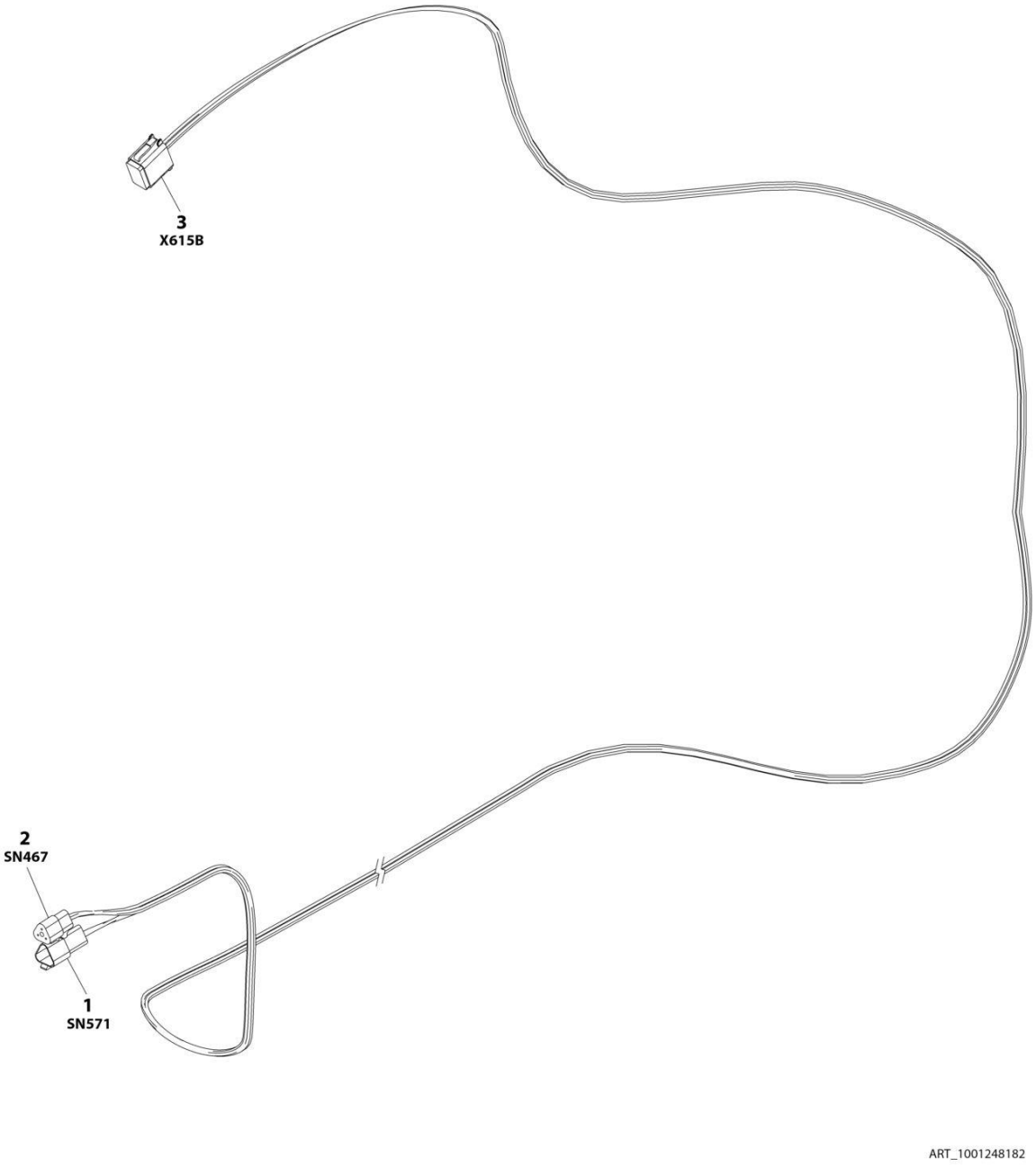


FIGURE 8-22. BOOM CAPACITY PROXIMITY SWITCH HARNESS - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248182	Ref	BOOM CAPACITY PROXIMITY SWITCH HARNESS	A
1	4460536	1	Receptacle, Female - 3 Position	
1	4460464	3	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	
3	4460930	1	Plug, Male - 8 Position	
3	4460465	6	Socket, Female	
3	4460466	2	Plug, Terminal	

FIGURE 8-23. BOOM HI-CAPACITY HARNESS - 1K45FT (460SJ)

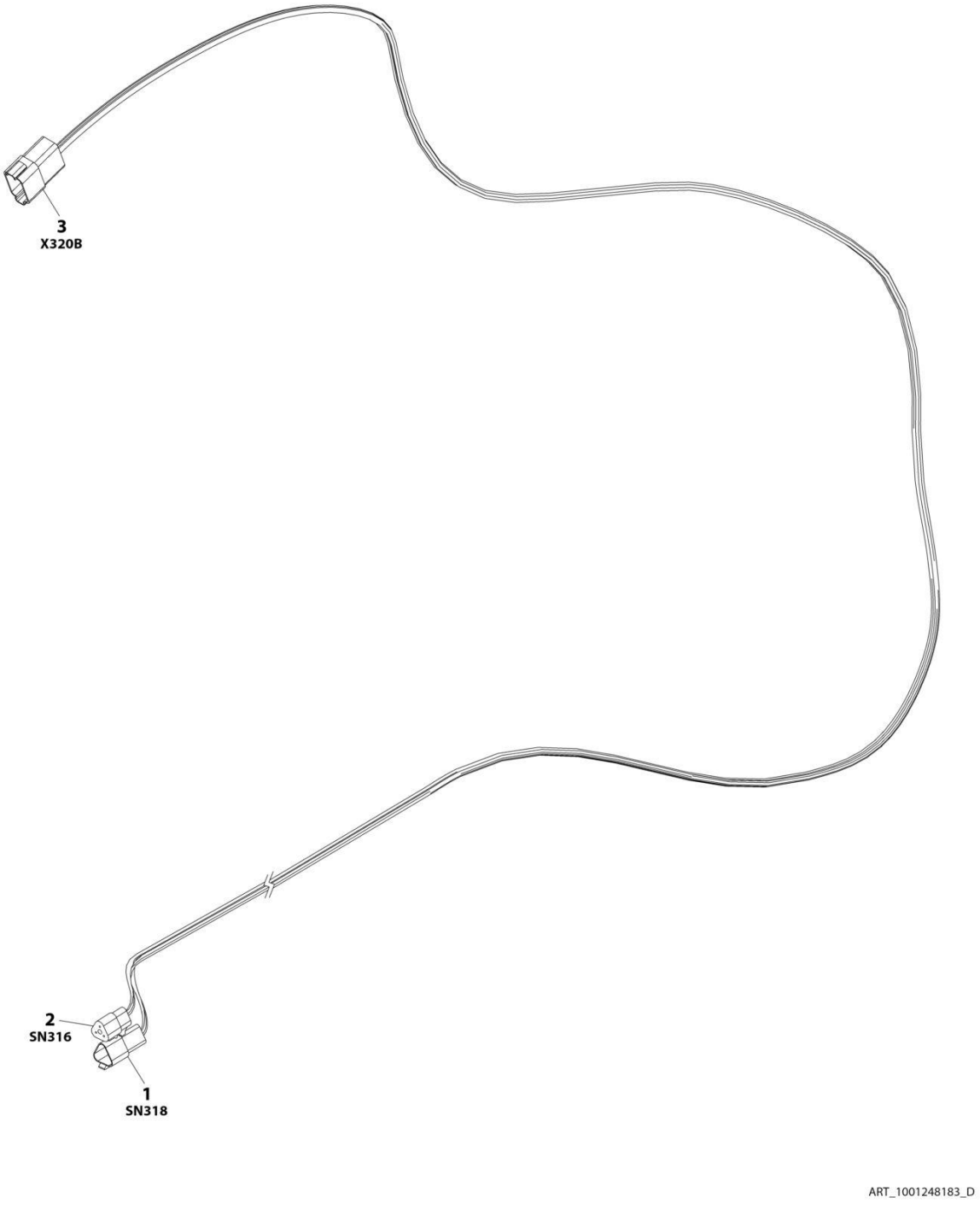


FIGURE 8-23. BOOM HI-CAPACITY HARNESS - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248183	Ref	HIGH CAPACITY HARNESS	D
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	4460931	1	Receptcale, Female - 8 Position	
3	4460464	1	Pin, Male	
3	4460466	2	Plug, Terminal	

FIGURE 8-24. BOOM TELE IN PROXIMITY SWITCH HARNESS

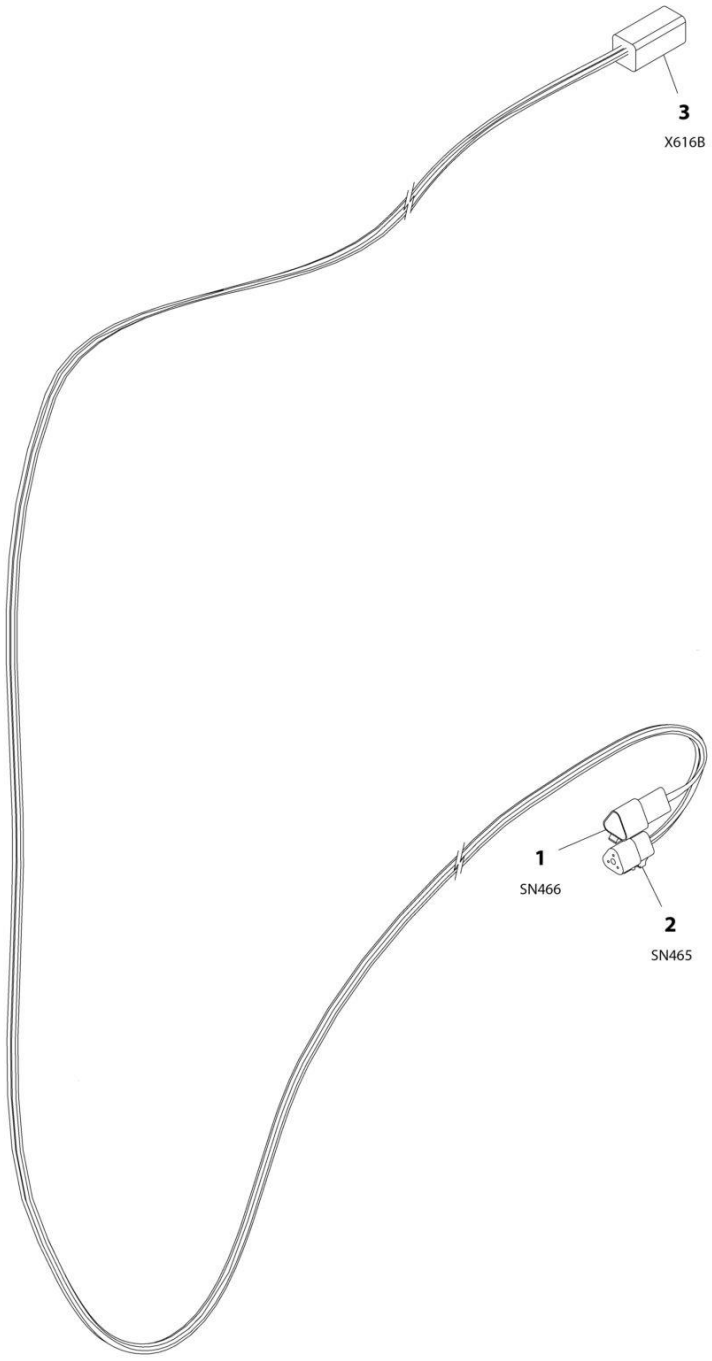


FIGURE 8-24. BOOM TELE IN PROXIMITY SWITCH HARNESS

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 8-25. BREAKER BOX INSTALLATION - 110/220V 16AMP BREAKER (CE & UK CA SPEC)

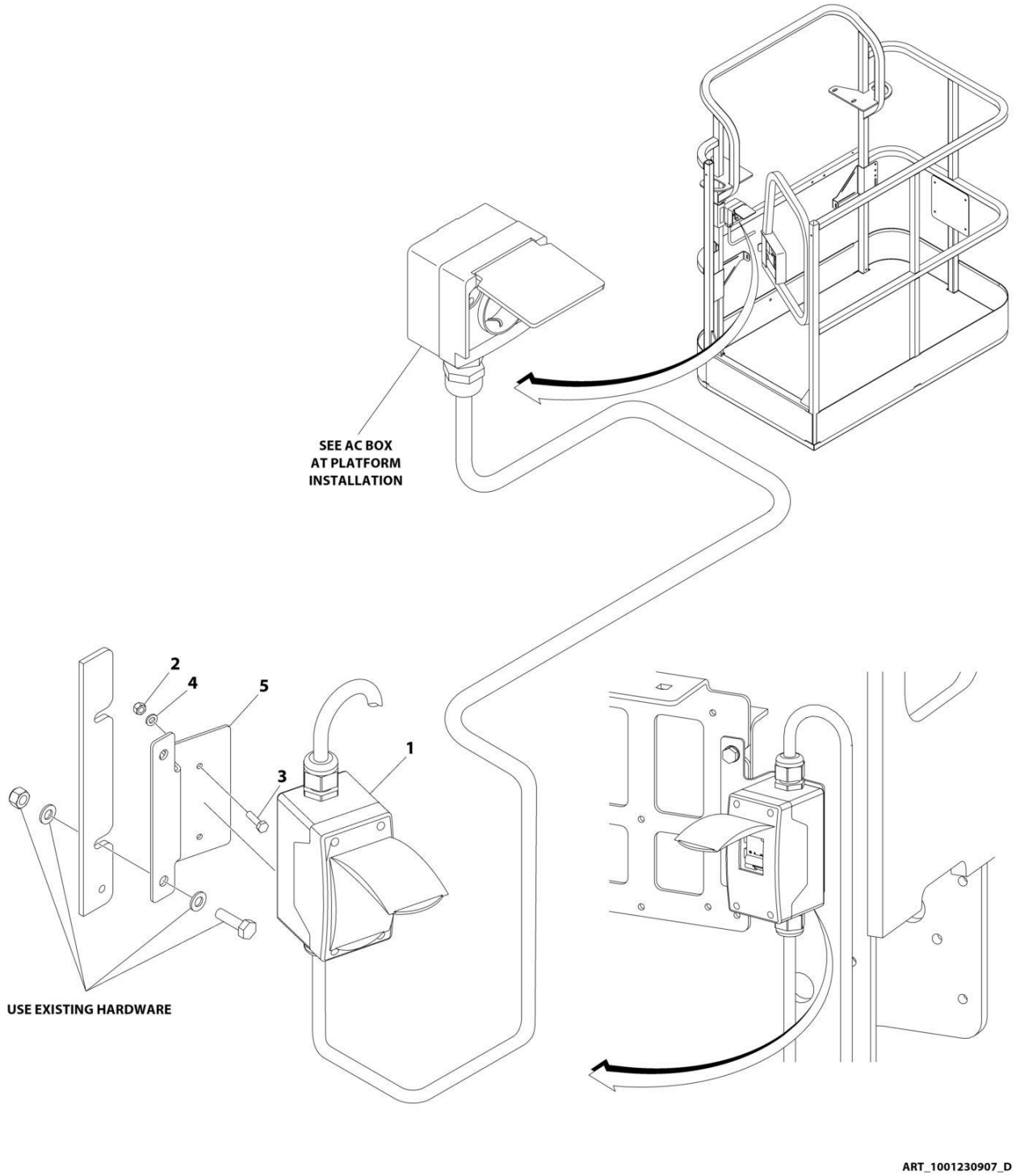


FIGURE 8-25. BREAKER BOX INSTALLATION - 110/220V 16AMP BREAKER (CE & UK CA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230907	Ref	BREAKER BOX INSTALLATION - 110/220V 16AMP BREAKER	D
1	2902549	1	Breaker Box Kit (See Separate Breakdown in this Section)	
2	3290605	4	Nut M6	
3	0760610	4	Bolt M6 x 20	
4	4811700	8	Washer M6	
5	1001293086	1	Bracket	

FIGURE 8-26. BREAKER BOX KIT - 110/220V 16AMP BREAKER (CE & UK CA SPEC)

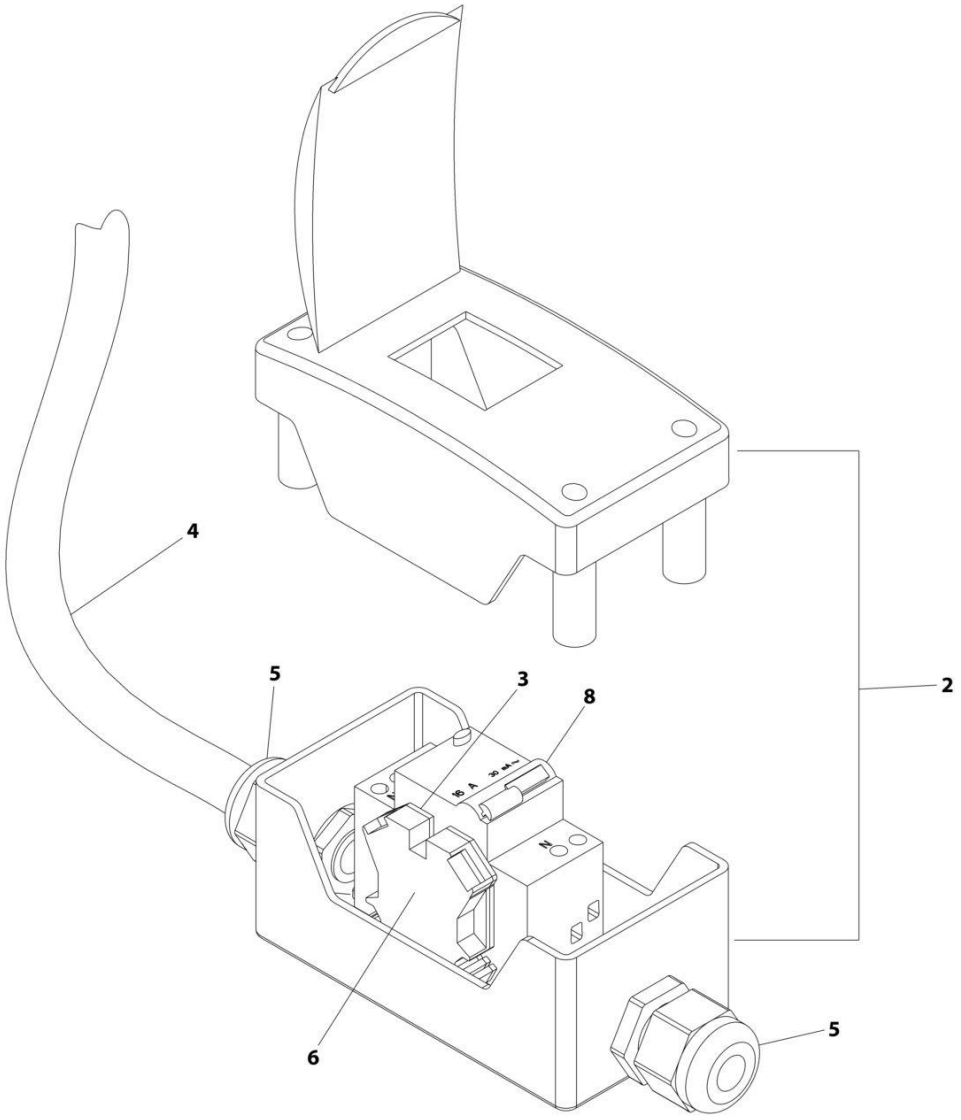


FIGURE 8-26. BREAKER BOX KIT - 110/220V 16AMP BREAKER (CE & UK CA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902549	Ref	BREAKER BOX KIT - 110/220V 16AMP BREAKER	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, Combination 16Amp/30mAmp	

FIGURE 8-27. BREAKER BOX KIT - 30MA/16 AMP

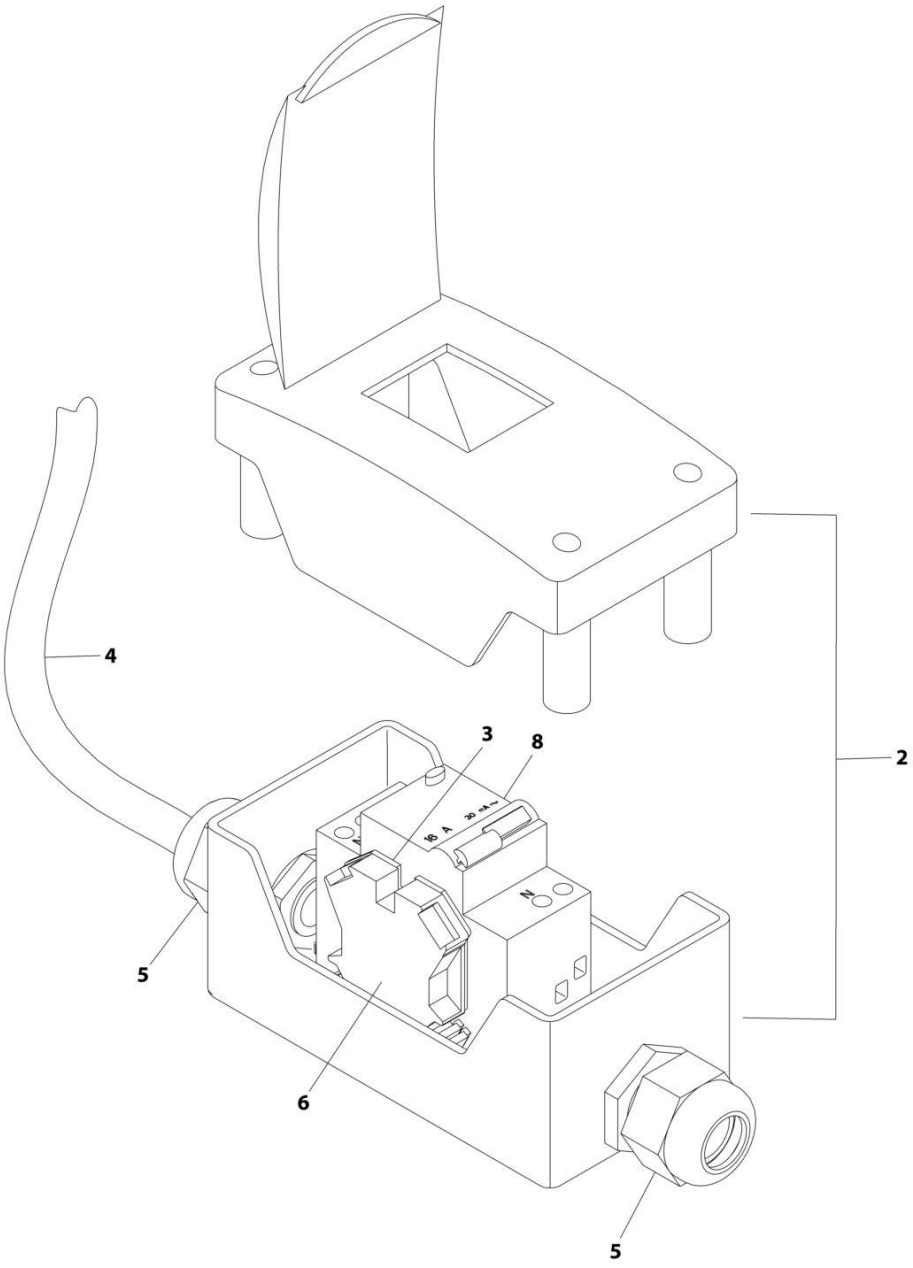


FIGURE 8-27. BREAKER BOX KIT - 30MA/16 AMP

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 8-28. BREAKER BOX KIT WITH THREE BREAKERS

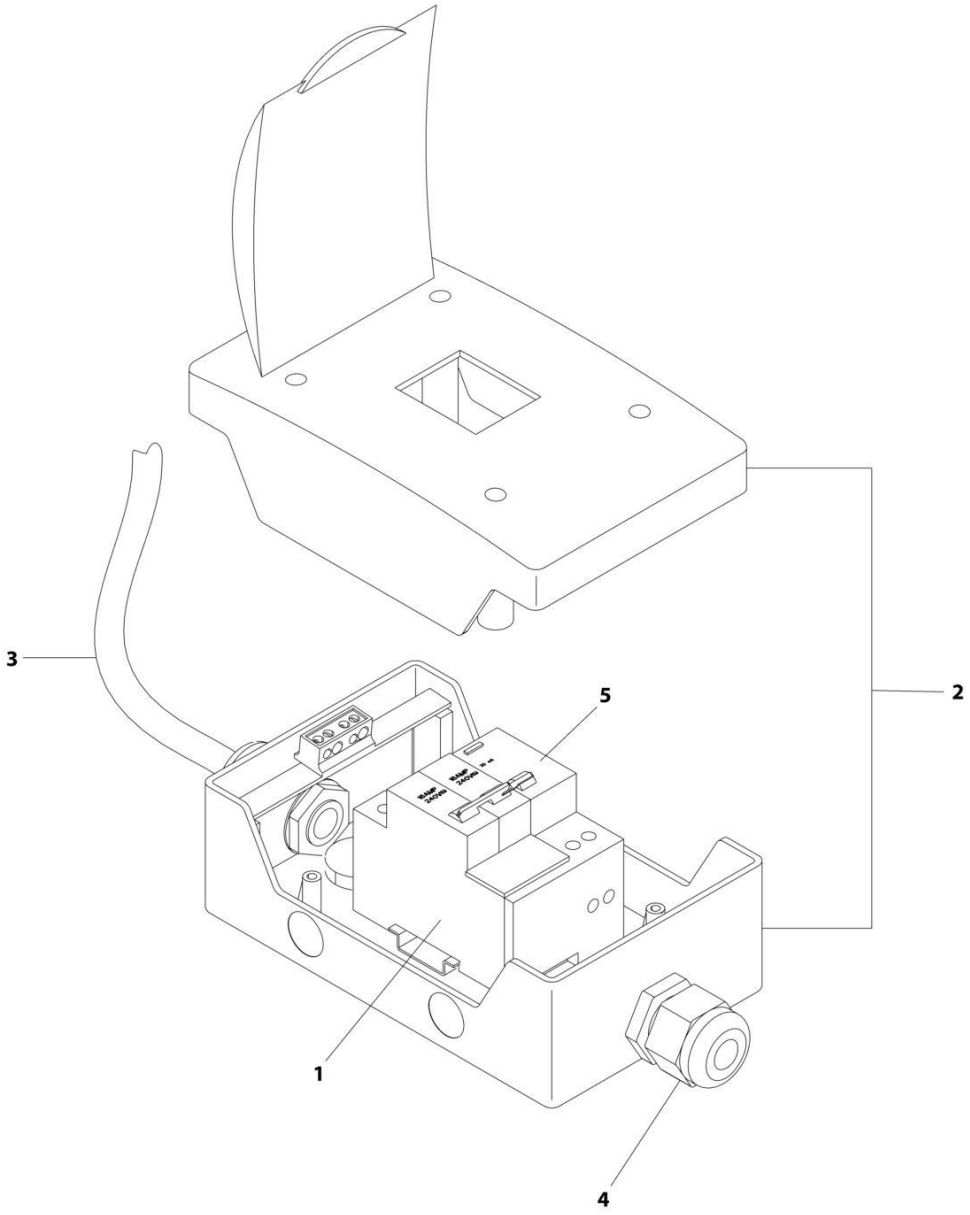


FIGURE 8-28. BREAKER BOX KIT WITH THREE BREAKERS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152485	Ref	BREAKER BOX KIT WITH THREE BREAKERS	F
1	1001189172	1	Breaker 16 Amp 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 8-29. CABLES AND CLAMPS INSTALLATION -(2500W GENERATOR OR NO GENERATOR) (400S)

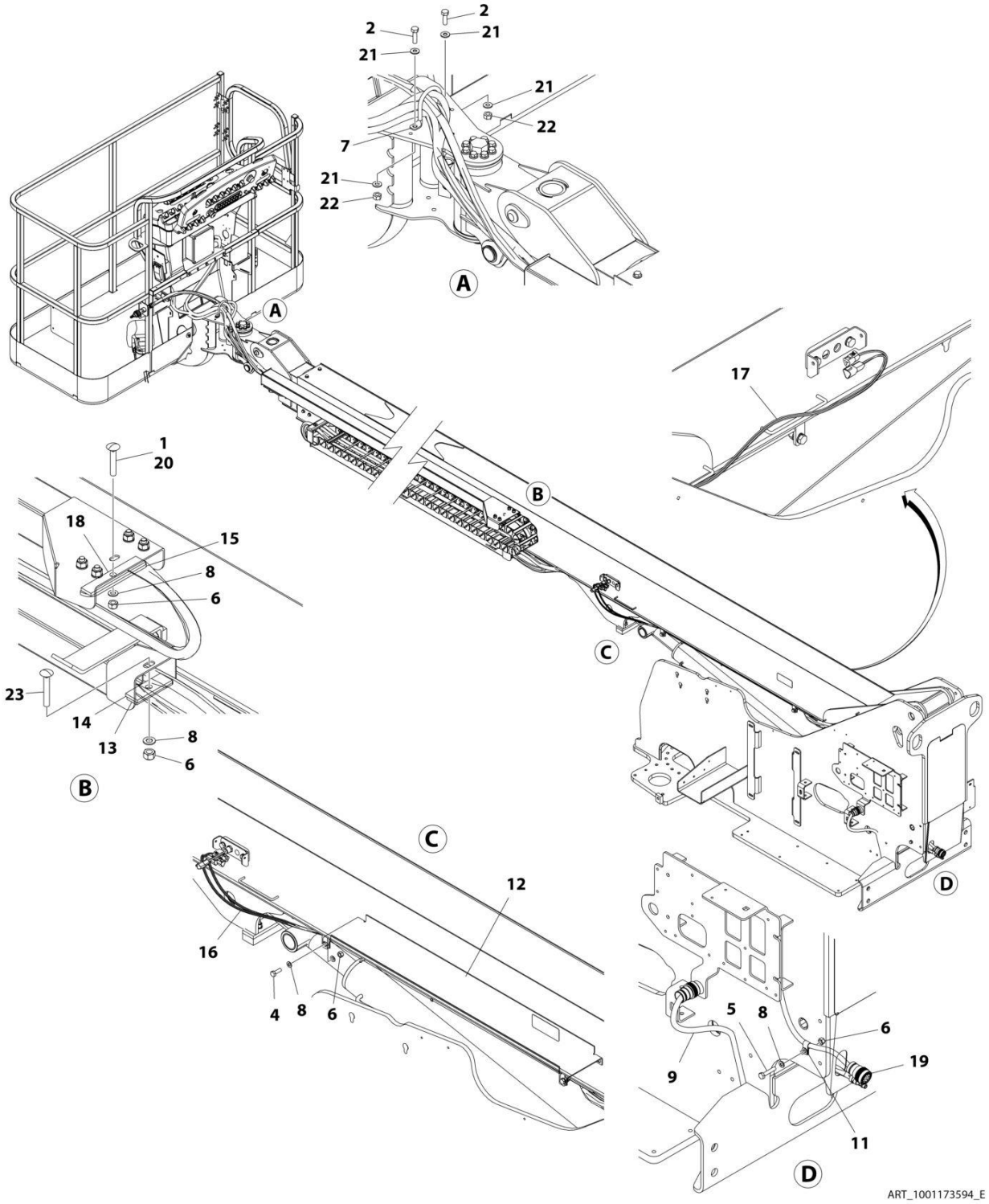


FIGURE 8-29. CABLES AND CLAMPS INSTALLATION -(2500W GENERATOR OR NO GENERATOR) (400S)

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 8-30. CABLES AND CLAMPS INSTALLATION -(4000W GENERATOR 60HZ) (400S)

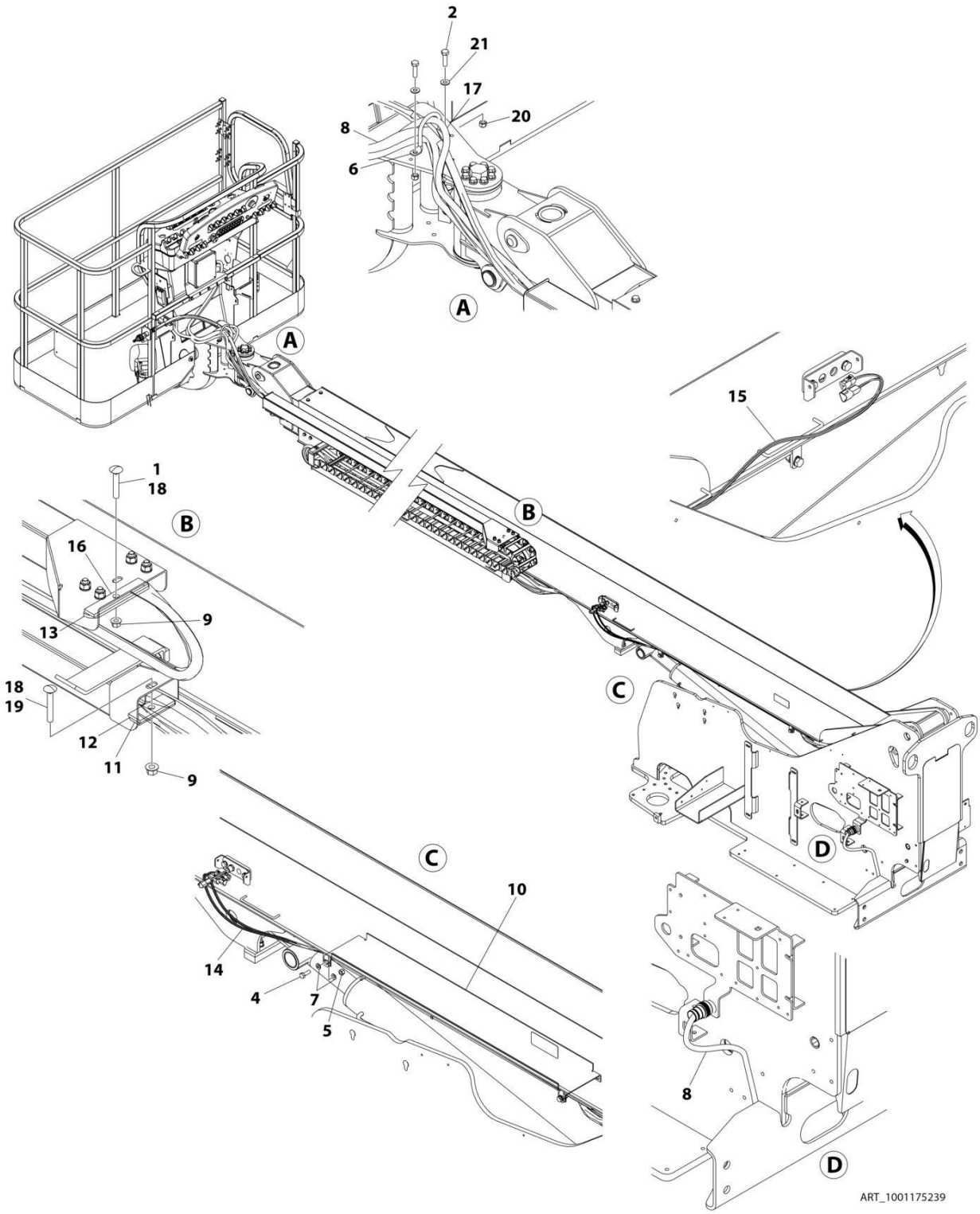


FIGURE 8-30. CABLES AND CLAMPS INSTALLATION -(4000W GENERATOR 60HZ) (400S)

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 8-31. CABLES AND CLAMPS INSTALLATION -(4000W GENERATOR 50HZ) (400S)

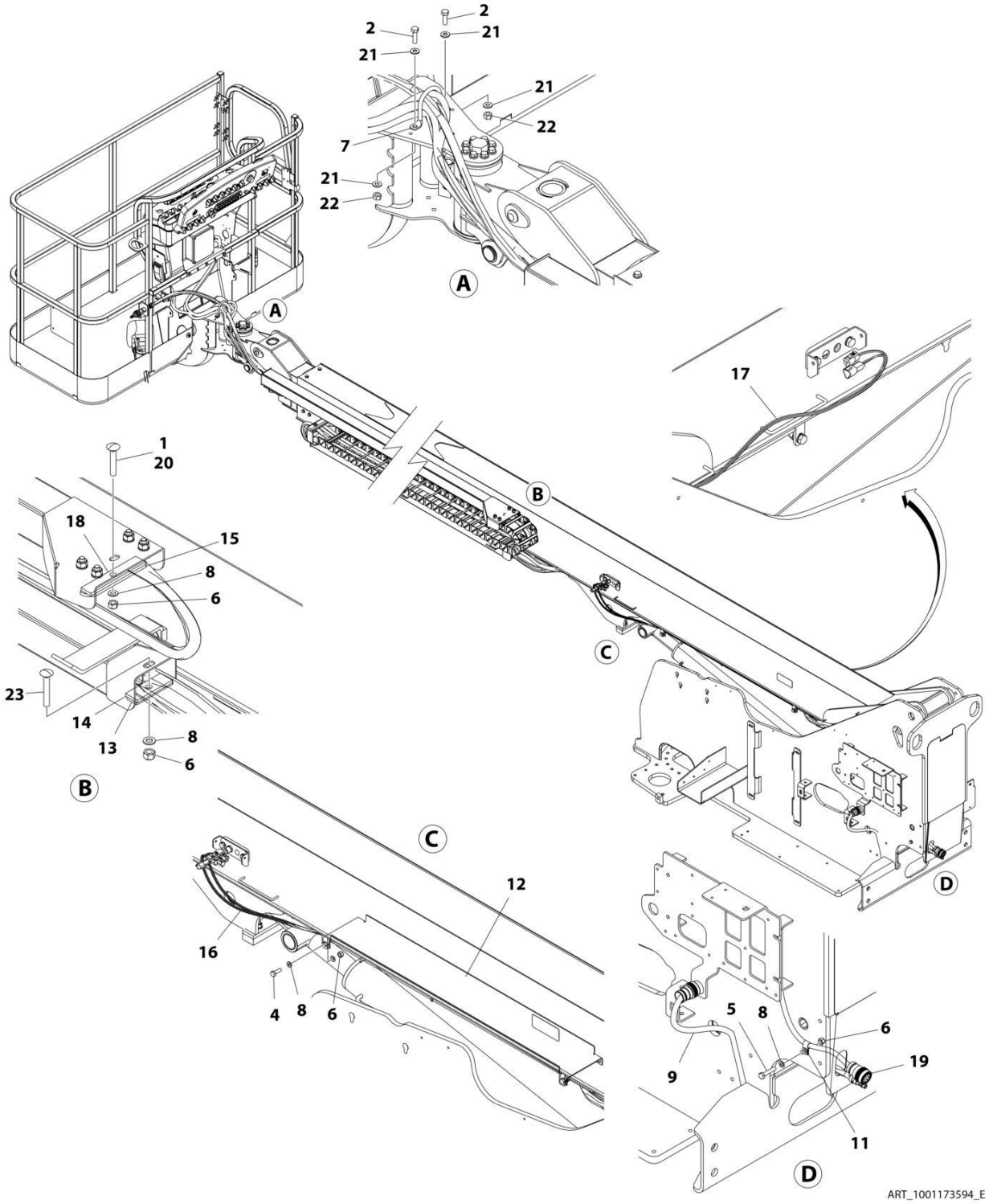


FIGURE 8-31. CABLES AND CLAMPS INSTALLATION -(4000W GENERATOR 50HZ) (400S)

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 8-32. CABLES AND CLAMPS INSTALLATION -(7500W GENERATOR) (400S)

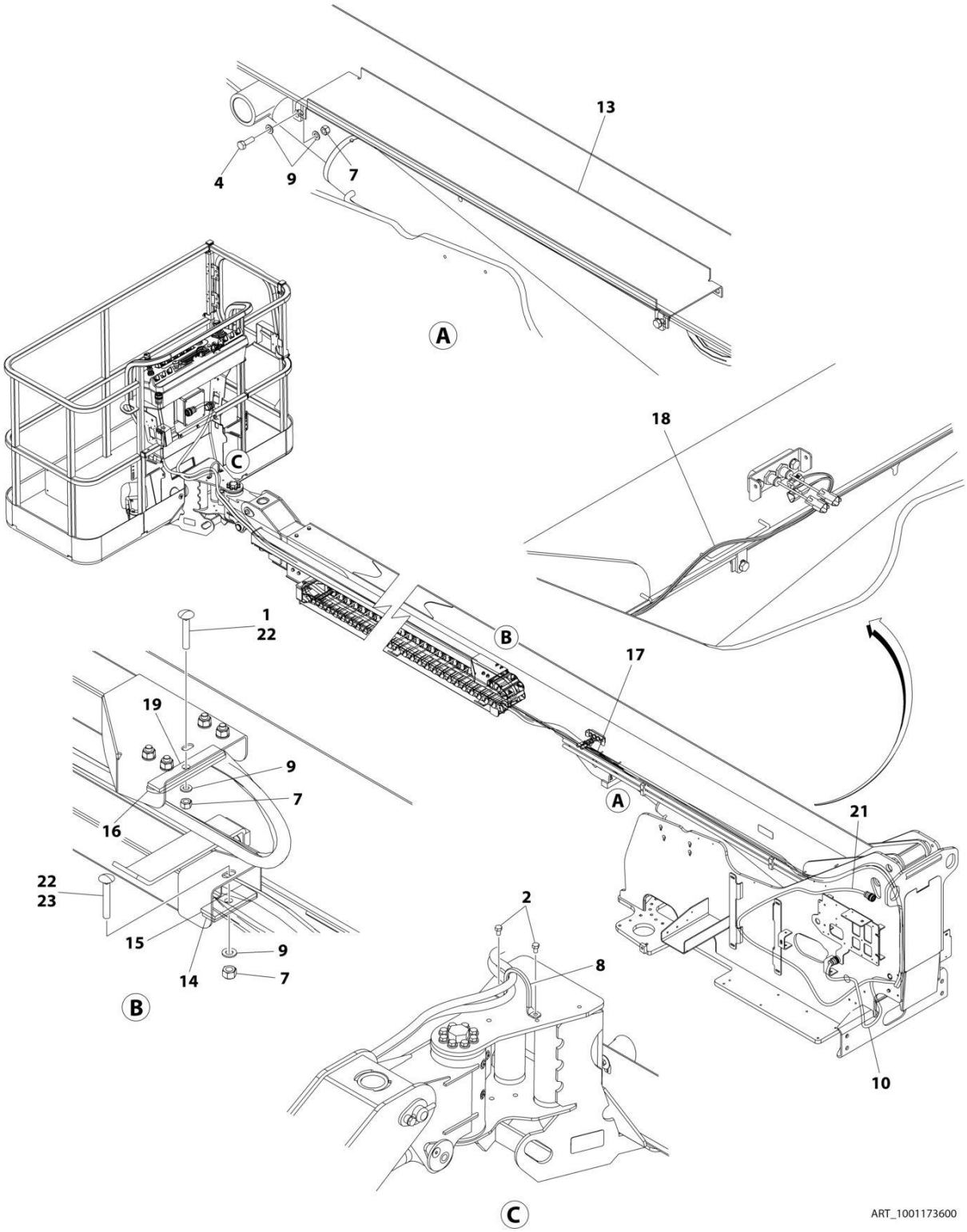


FIGURE 8-32. CABLES AND CLAMPS INSTALLATION -(7500W GENERATOR) (400S)

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 8-33. CABLES AND CLAMPS INSTALLATION -(2500W GENERATOR OR NO GENERATOR) (460SJ)

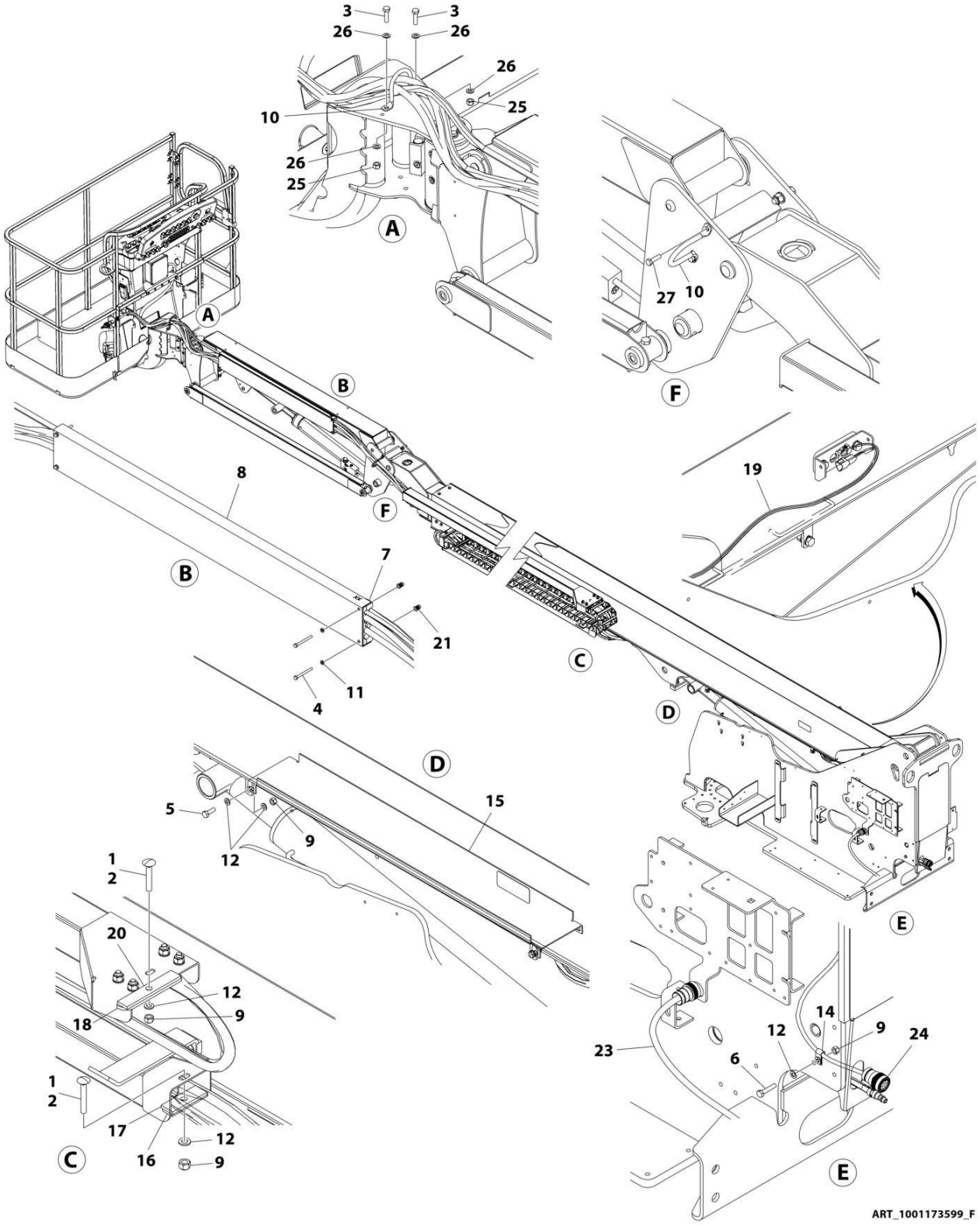


FIGURE 8-33. CABLES AND CLAMPS INSTALLATION -(2500W GENERATOR OR NO GENERATOR) (460SJ)

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

FIGURE 8-34. CABLES AND CLAMPS INSTALLATION - (4000W GENERATOR 60HZ) (460SJ)

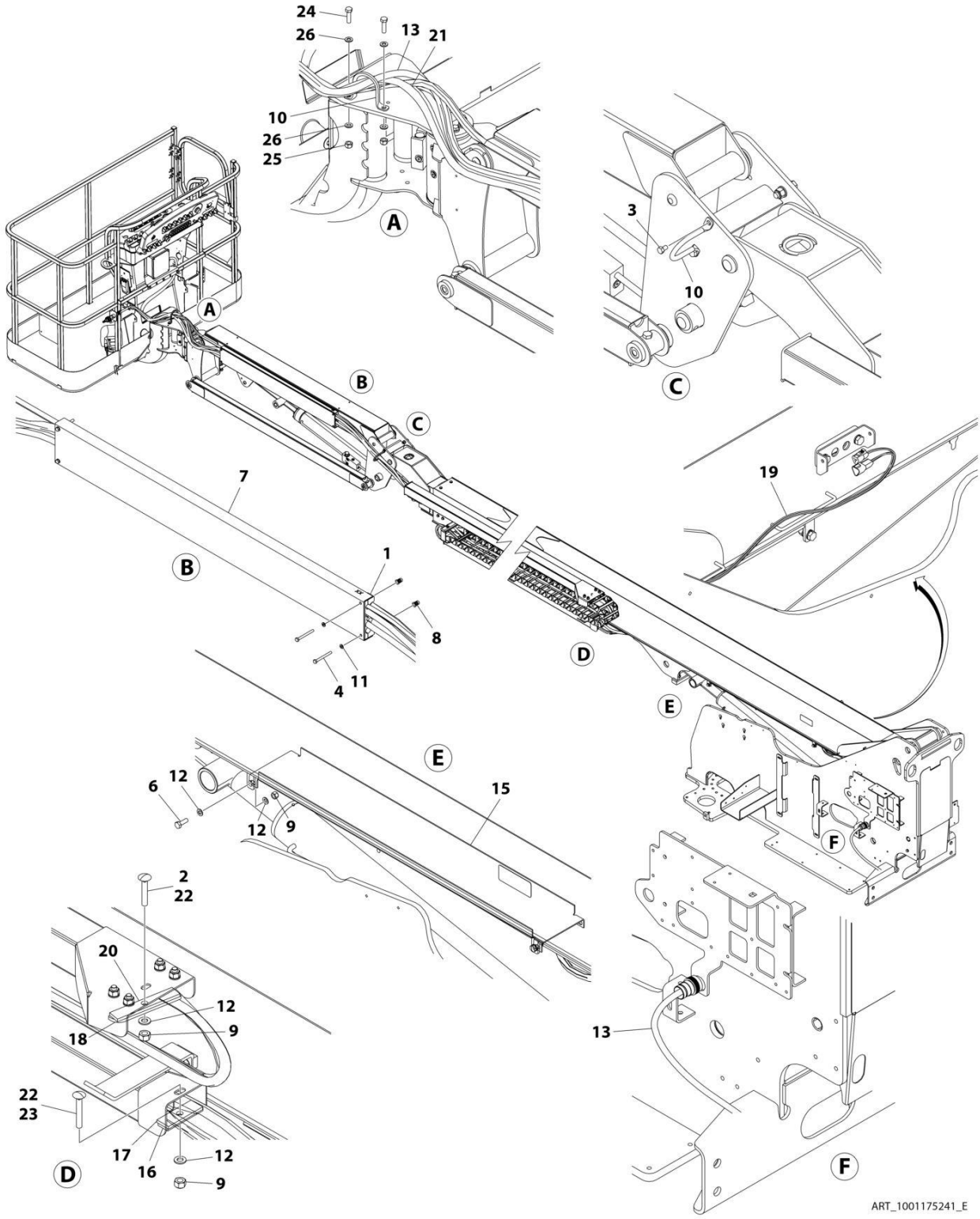


FIGURE 8-34. CABLES AND CLAMPS INSTALLATION - (4000W GENERATOR 60HZ) (460SJ)

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

FIGURE 8-35. CABLES AND CLAMPS INSTALLATION -(4000W GENERATOR 50HZ) (460SJ)

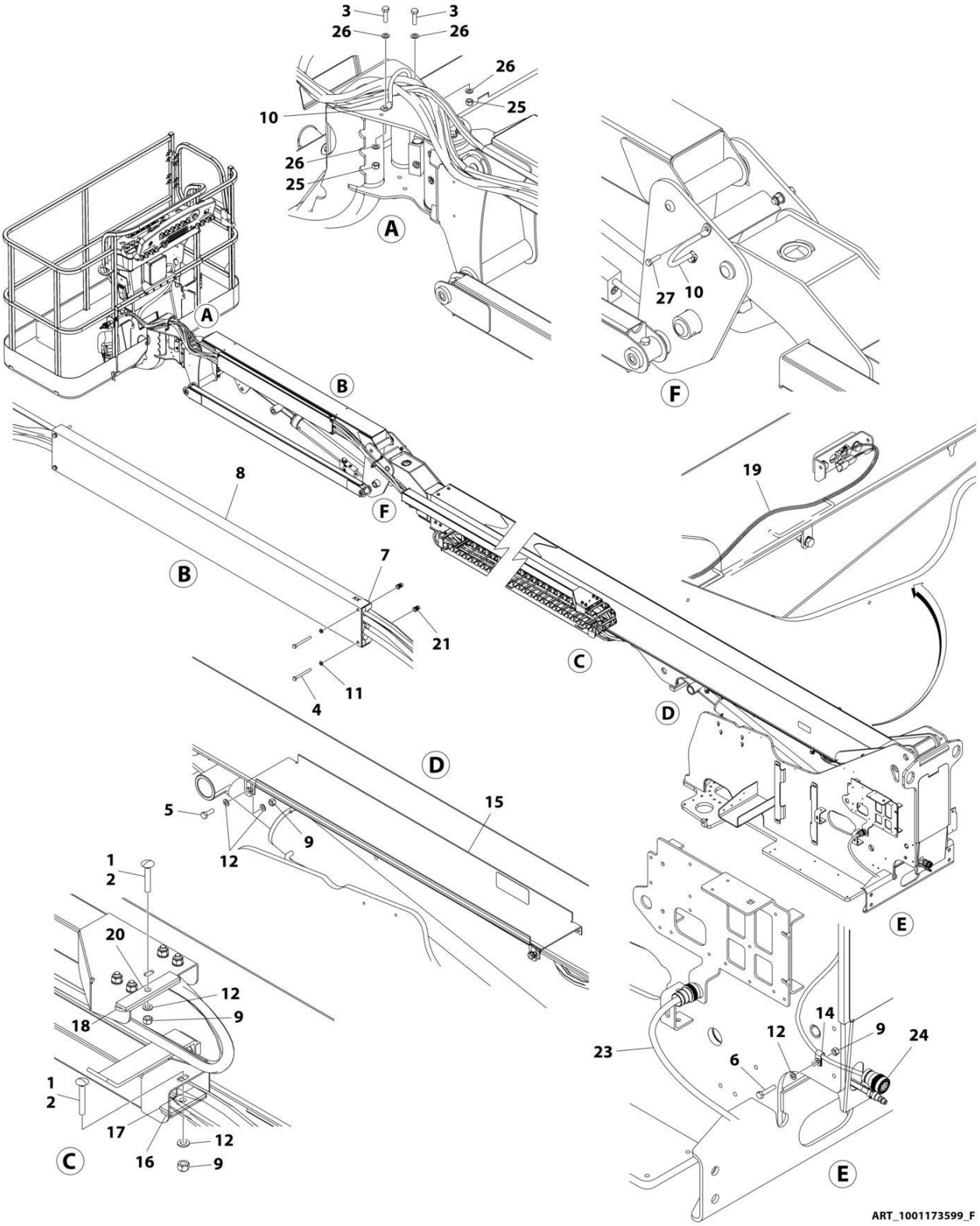


FIGURE 8-35. CABLES AND CLAMPS INSTALLATION -(4000W GENERATOR 50HZ) (460SJ)

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

FIGURE 8-36. CABLES AND CLAMPS INSTALLATION -(7500W GENERATOR) (460SJ)

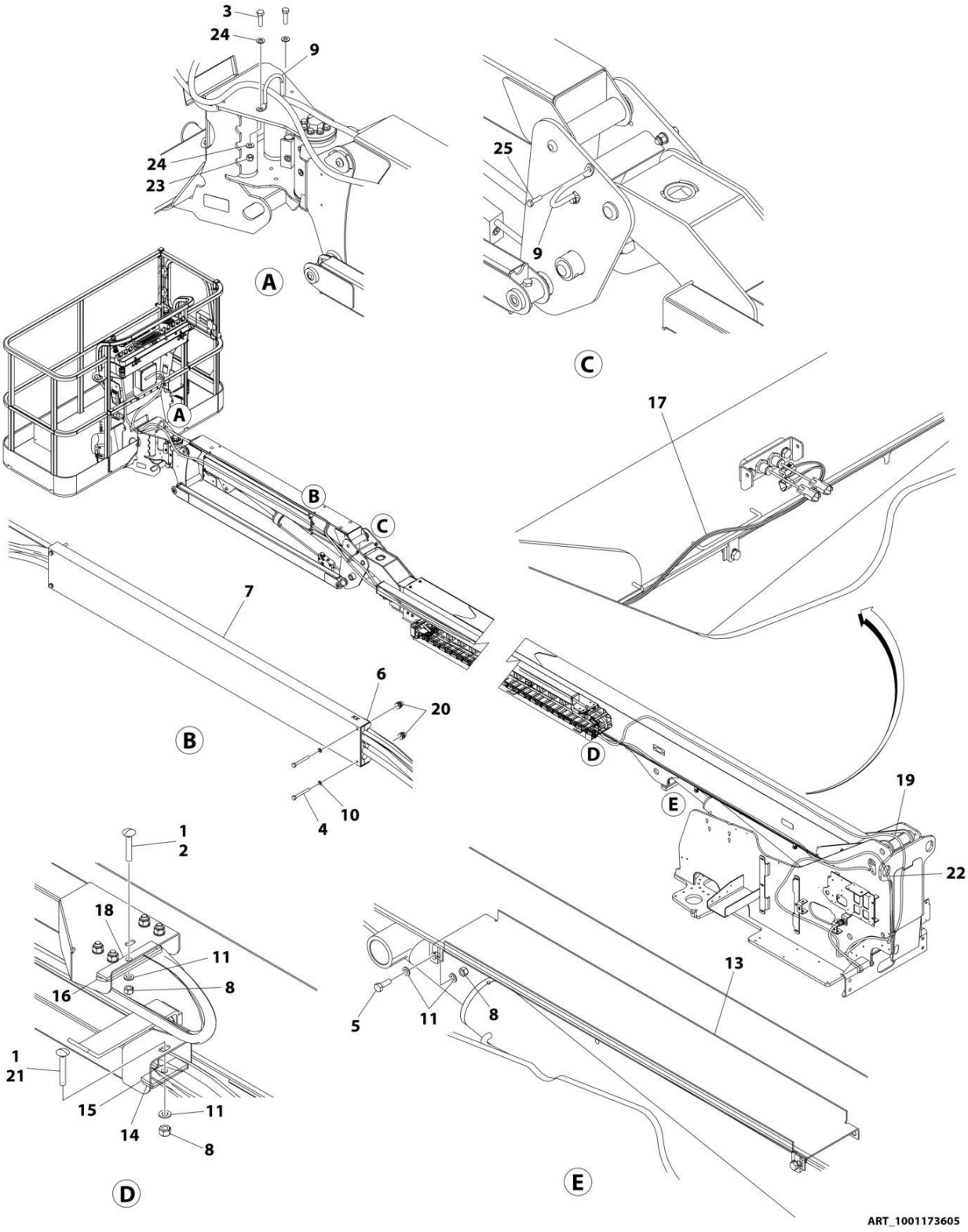


FIGURE 8-36. CABLES AND CLAMPS INSTALLATION -(7500W GENERATOR) (460SJ)

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

FIGURE 8-37. CABLES AND CLAMPS INSTALLATION - 1K45FT (2500W GENERATOR OR NO GENERATOR) (460SJ)

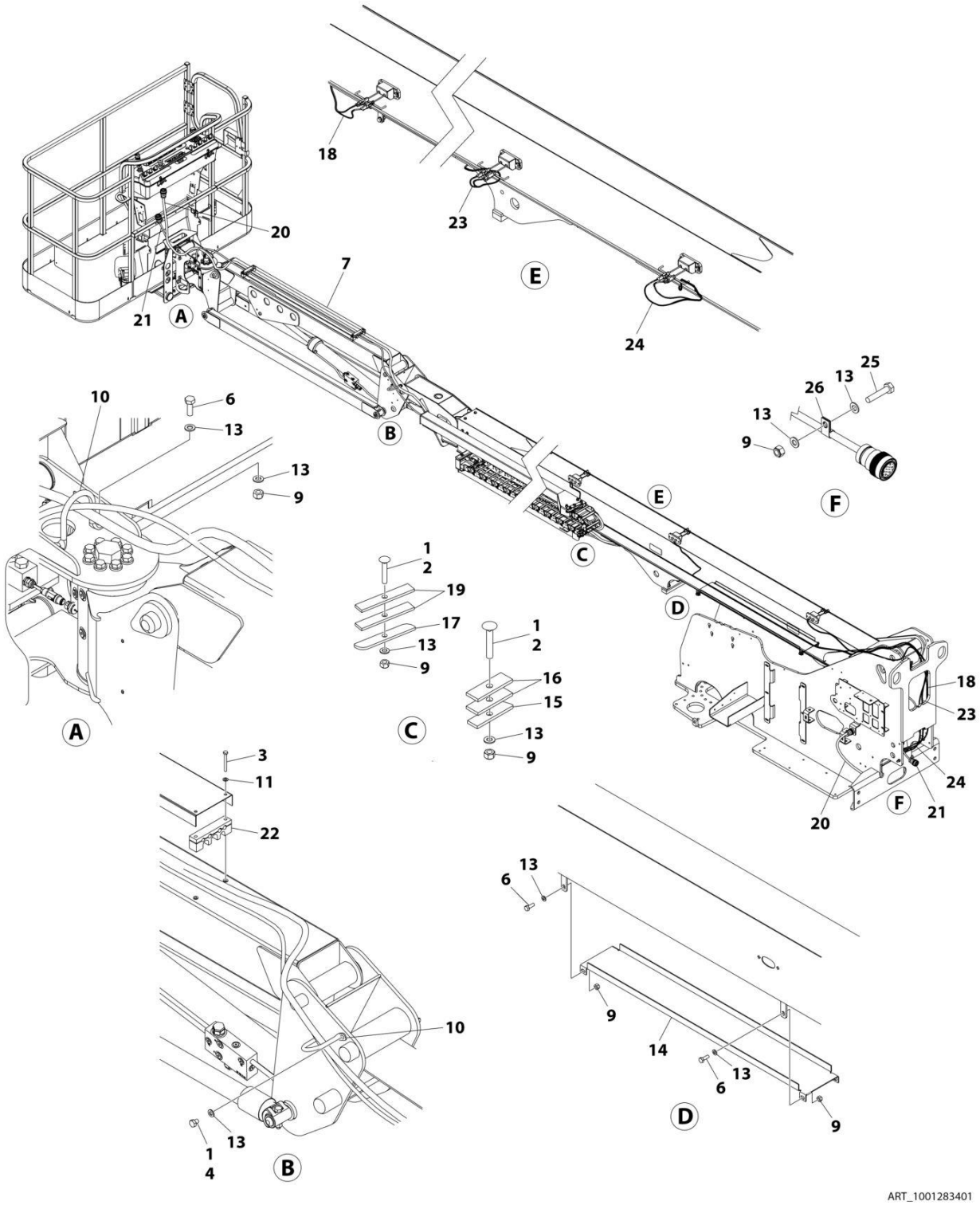


FIGURE 8-37. CABLES AND CLAMPS INSTALLATION - 1K45FT (2500W GENERATOR OR NO GENERATOR) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283401	Ref	CABLES AND CLAMPS INSTALLATION	B
1	0100081	AR	Adhesive	
2	0630563	2	Bolt M10 x 60	
3	0700619	4	Bolt M6 x 55	
4	0761006	2	Bolt M10 x 12	
6	0761014	6	Bolt M10 x 30	
7	1670769	1	Cover	
9	3291005	9	Nut M10	
10	3841340	2	Hoose Loop	
11	4811700	4	Washe M6	
13	4812000	18	Washer M10	
14	1001172128	1	Bracket, Hose Cover	
15	1001173456	1	Clamp	
16	1001173665	2	Clamp	
17	1001173761	1	Bracket	
18	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
19	1001173927	2	Clamp	
20	1001176953	1	Harness, Boom (See Separate Breakdown in this Section)	
21	1001203435	1	Cable, Electrical 12/3	
22	1001203459	2	Clamp, Block	
23	1001248182	1	Capacity Switch Harness (See Separate Breakdown in this Section)	
24	1001248183	1	Hi Capacity Harness (See Separate Breakdown in this Section)	
25	0761018	1	Bolt M10 x 50	
26	8406110	1	Clip, Tube	

FIGURE 8-38. CABLES AND CLAMPS INSTALLATION - 1K45FT (4000W GENERATOR 60HZ) (460SJ)

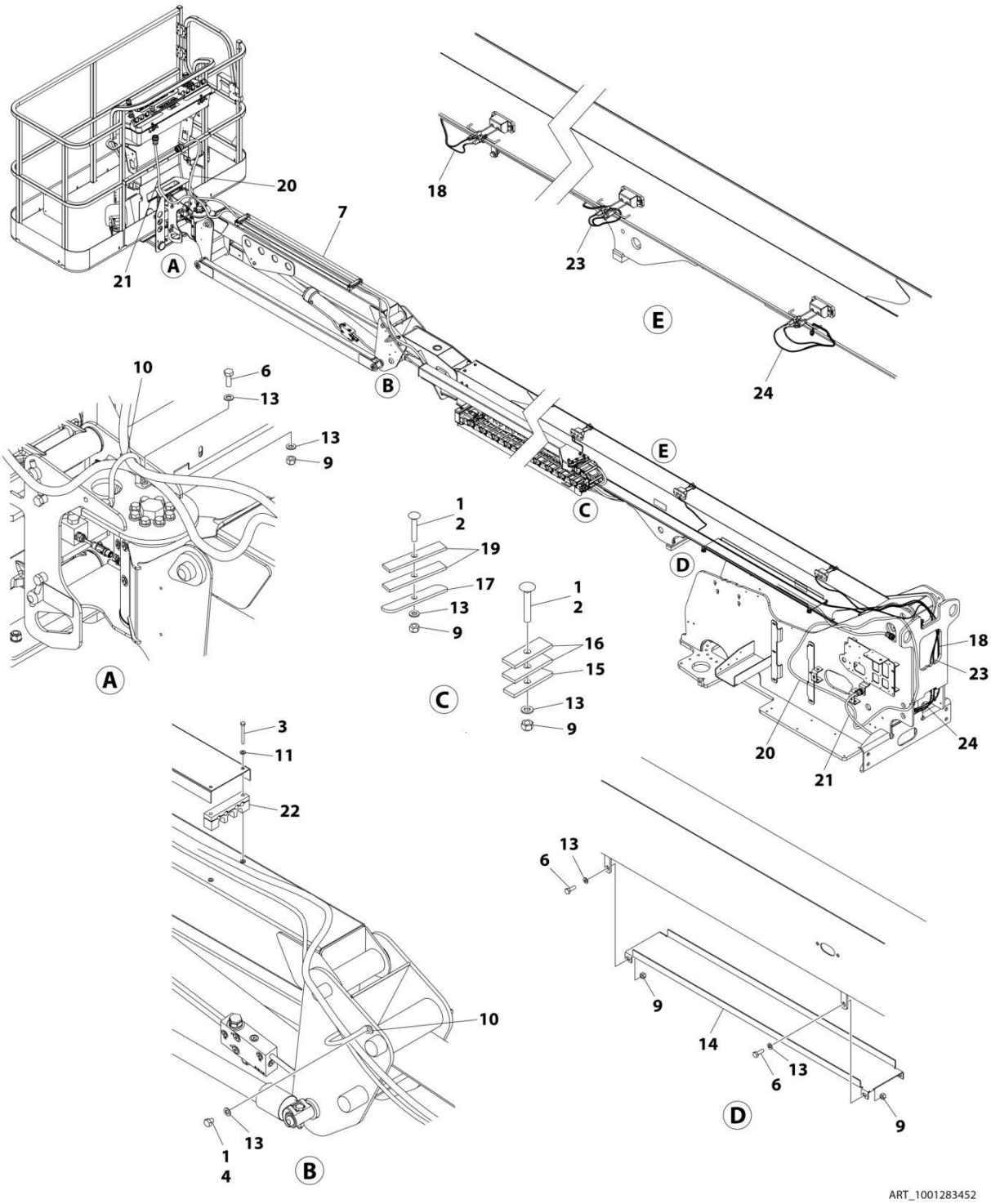


FIGURE 8-38. CABLES AND CLAMPS INSTALLATION - 1K45FT (4000W GENERATOR 60HZ) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283452	Ref	CABLES AND CLAMPS INSTALLATION	B
1	0100081	AR	Adhesive	
2	0630563	2	Bolt M10 x 60	
3	0700619	4	Bolt M6 x 55	
4	0761006	2	Bolt M10 x 12	
6	0761014	6	Bolt M10 x 30	
7	1670769	1	Cover	
9	3291005	8	Nut M10	
10	3841340	2	Hoose Loop	
11	4811700	4	Washe M6	
13	4812000	16	Washer M10	
14	1001172128	1	Bracket, Hose Cover	
15	1001173456	1	Clamp	
16	1001173665	2	Clamp	
17	1001173761	1	Bracket	
18	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
19	1001173927	2	Clamp	
20	1001175171	1	Cable, Electrical 12/3	
21	1001176953	1	Harness, Boom (See Separate Breakdown in this Section)	
22	1001203459	2	Clamp, Block	
23	1001248182	1	Capacity Switch Harness (See Separate Breakdown in this Section)	
24	1001248183	1	Hi Capacity Harness (See Separate Breakdown in this Section)	

FIGURE 8-39. CABLES AND CLAMPS INSTALLATION - 1K45FT (7500W GENERATOR) (460SJ)

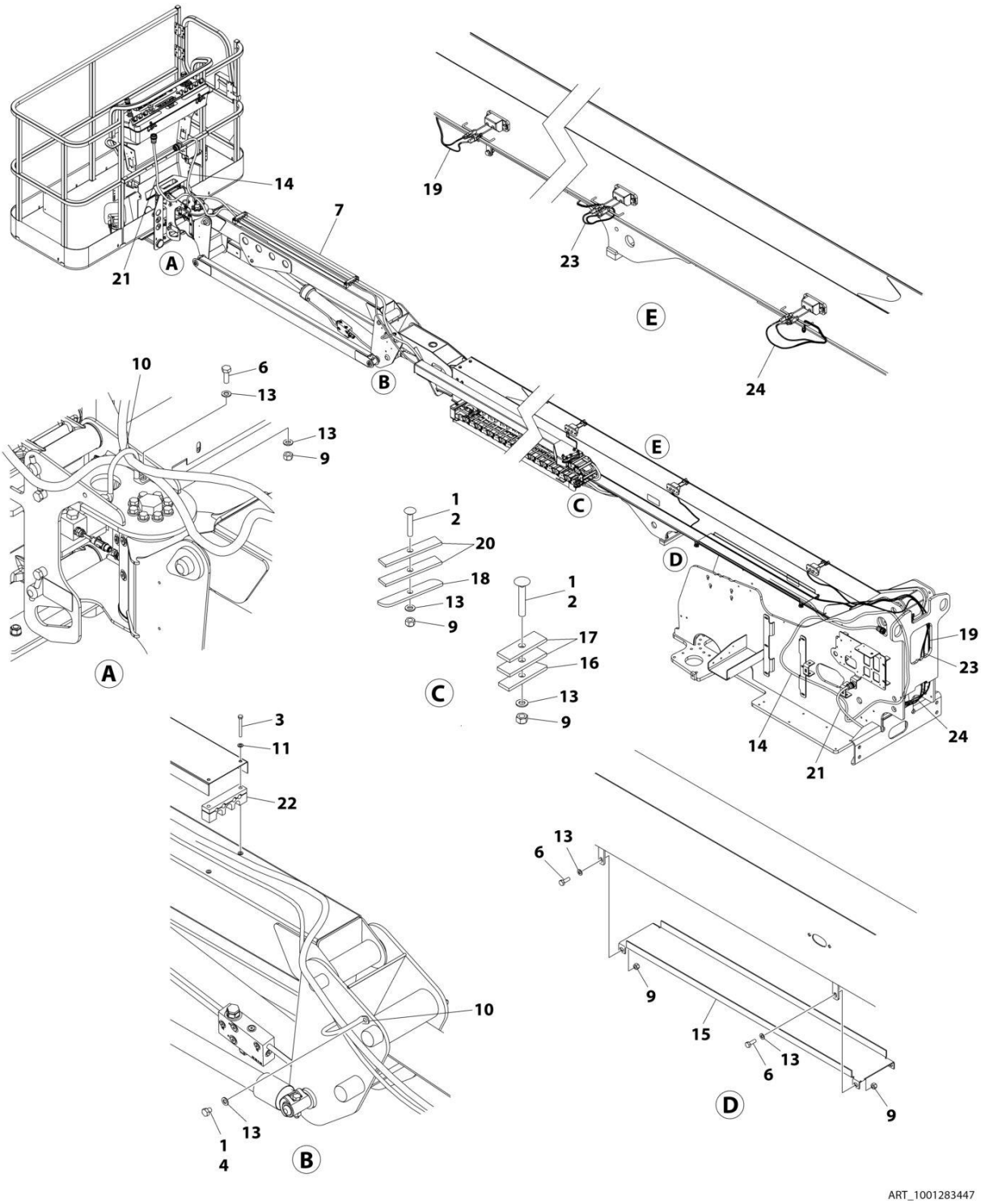


FIGURE 8-39. CABLES AND CLAMPS INSTALLATION - 1K45FT (7500W GENERATOR) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283447	Ref	CABLES AND CLAMPS INSTALLATION	B
1	0100081	AR	Adhesive	
2	0630563	2	Bolt M10 x 60	
3	0700619	4	Bolt M6 x 55	
4	0761006	2	Bolt M10 x 12	
6	0761014	6	Bolt M10 x 30	
7	1670769	1	Cover	
9	3291005	8	Nut M10	
10	3841340	2	Hoose Loop	
11	4811700	4	Washe M6	
13	4812000	16	Washer M10	
14	4922803	1	Cable, Electrical 8/5	
15	1001172128	1	Bracket, Hose Cover	
16	1001173456	1	Clamp	
17	1001173665	2	Clamp	
18	1001173761	1	Bracket	
19	1001173808	1	Harness, Telescope In Proximity Sensors (See Separate Breakdown in this Section)	
20	1001173927	2	Clamp	
21	1001176953	1	Harness, Boom (See Separate Breakdown in this Section)	
22	1001203459	2	Clamp, Block	
23	1001248182	1	Capacity Switch Harness (See Separate Breakdown in this Section)	
24	1001248183	1	Hi Capacity Harness (See Separate Breakdown in this Section)	

FIGURE 8-40. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 4G (ALL SPECS EXCEPT CHINA SPECS)

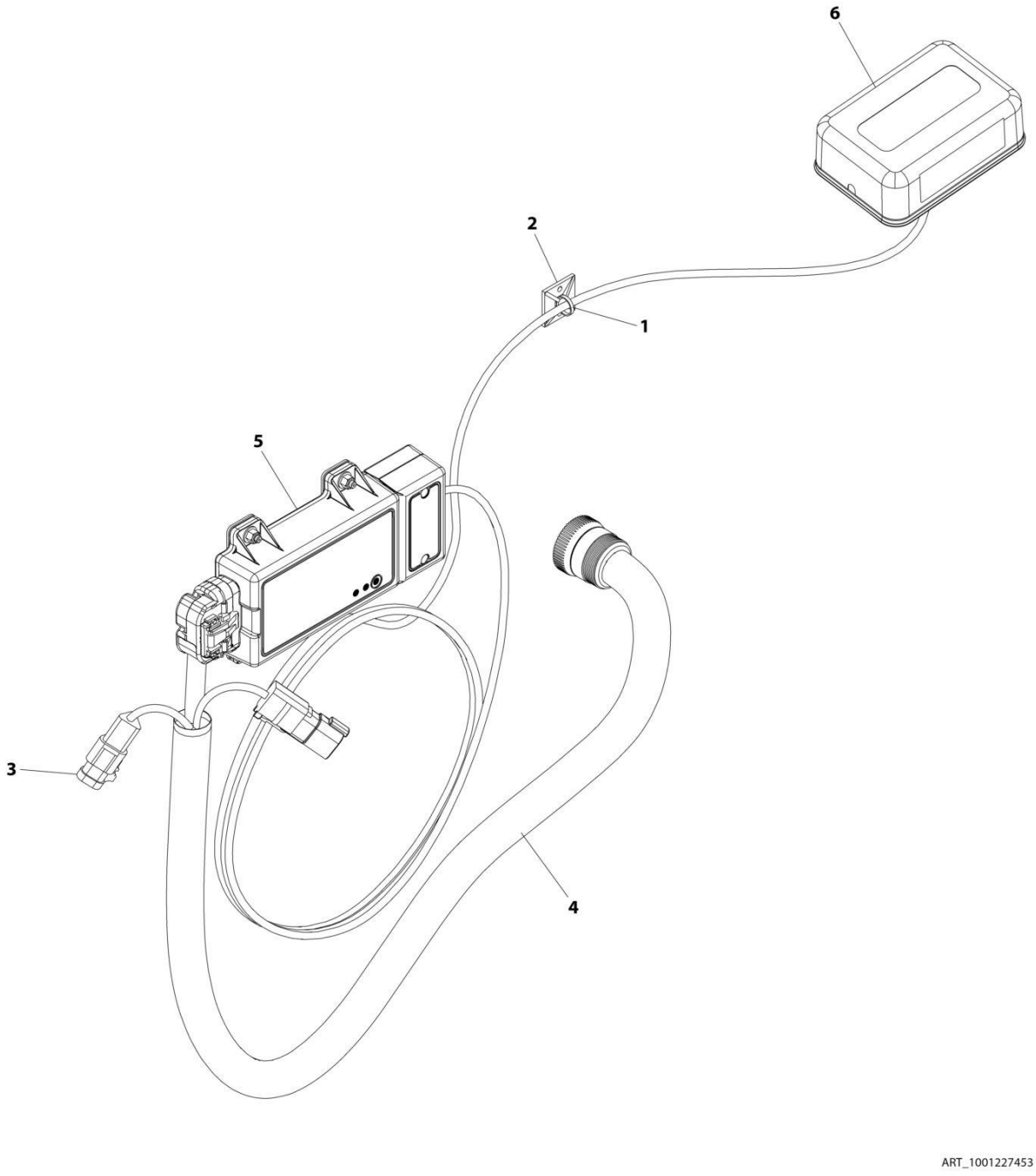


FIGURE 8-40. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 4G (ALL SPECS EXCEPT CHINA SPECS)

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

FIGURE 8-41. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 4G (CHINA SPECS)

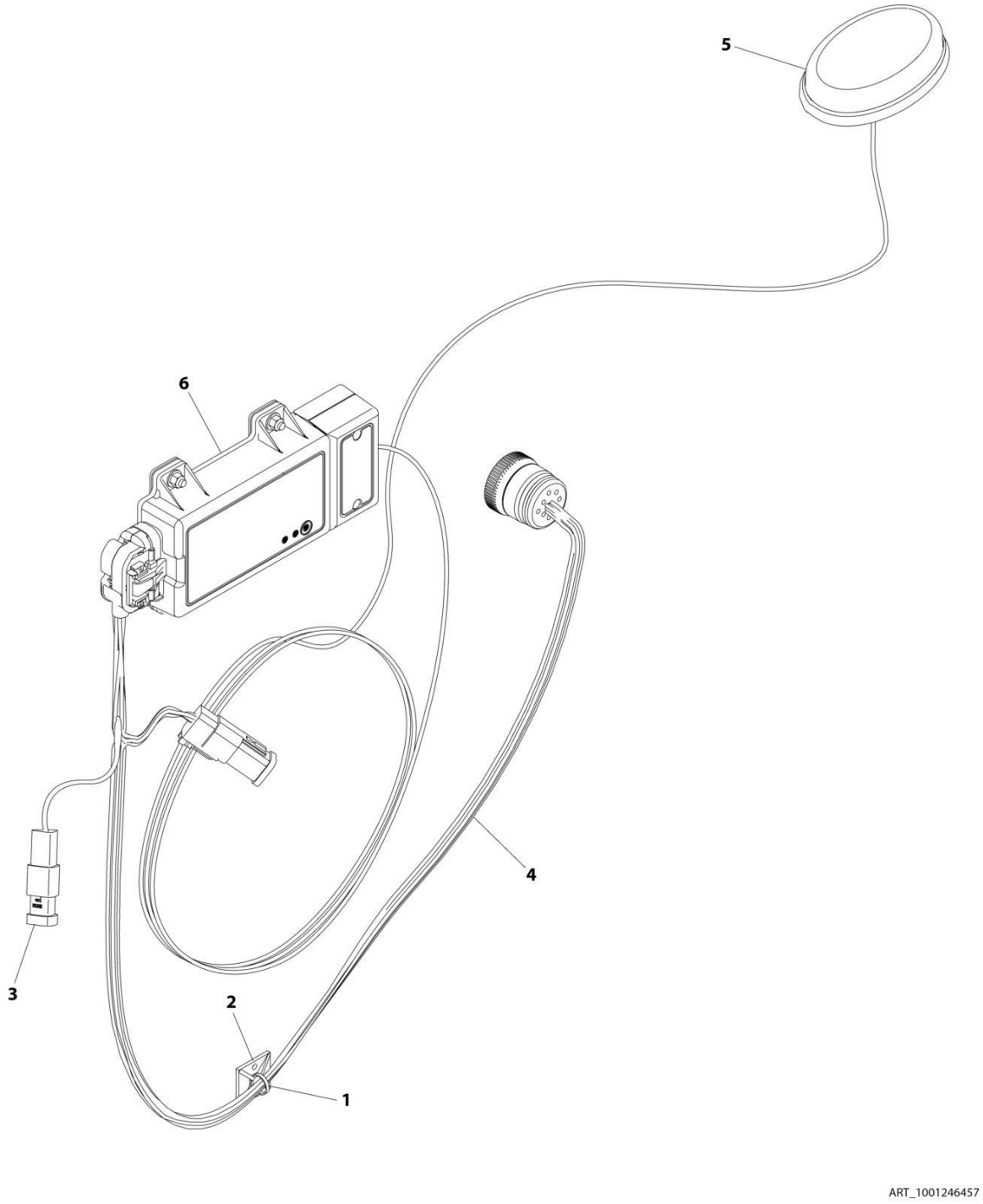


FIGURE 8-41. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 4G (CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246457	Ref	CLEARSKY INSTALLATION - CANBUS	A
1	4240032	AR	Tie-Strap	
2	4460234	AR	Cable Tie	
3	1001116815	1	Connector	
4	1001226739	1	ClearSky Harness (See Separate Breakdown in ELECTRICAL Section)	
5	1001226799	1	Antenna	
6	1001246145	1	Telematics Control Module (Note: Re-calibration Required when Replaced)	

FIGURE 8-42. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 3G (ANSI EXPORT, CE, JAPANESE & UK CA SPECS)

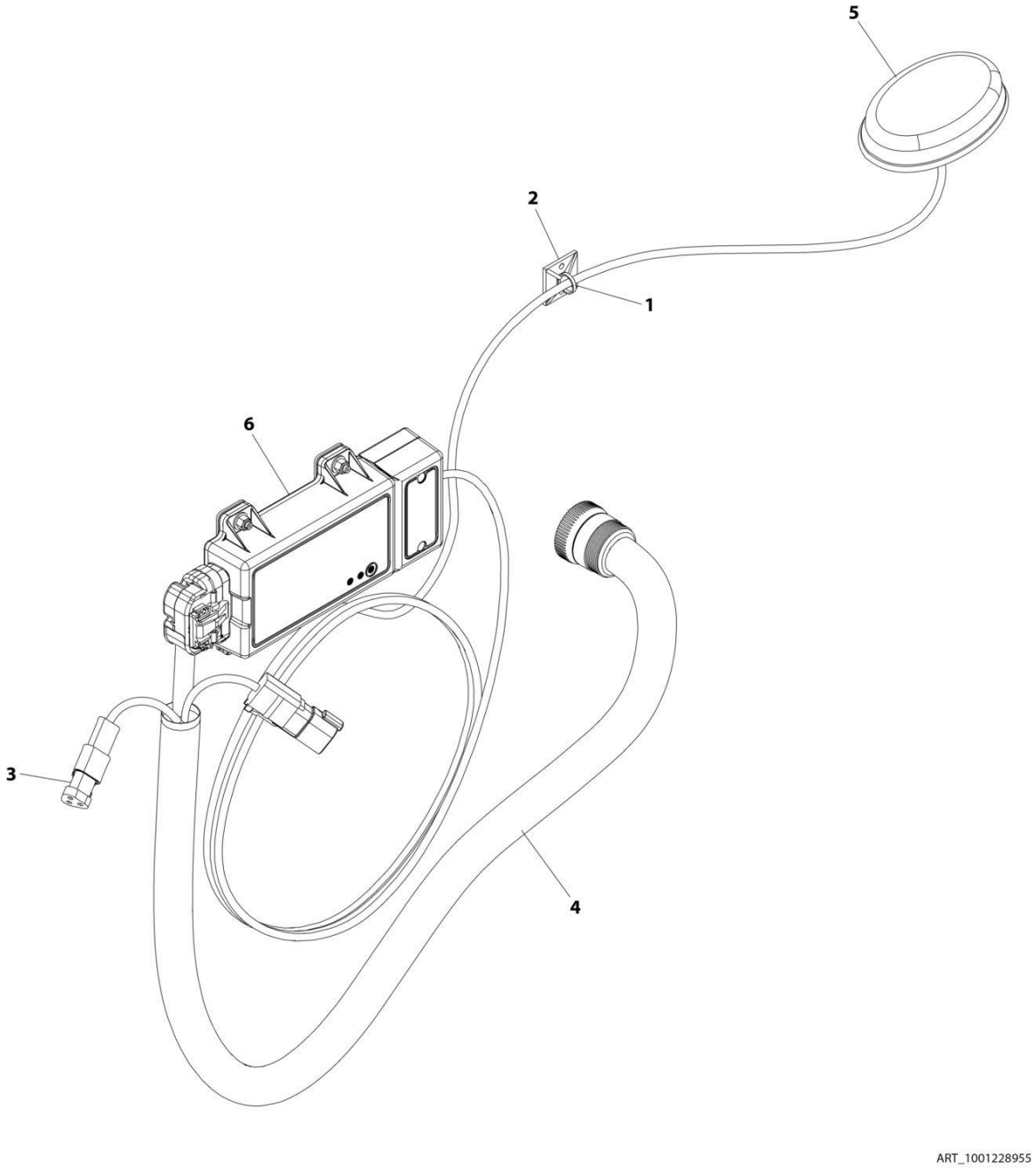


FIGURE 8-42. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 3G (ANSI EXPORT, CE, JAPANESE & UK CA SPECS)

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

FIGURE 8-43. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 3G (AUSTRALIAN SPECS)

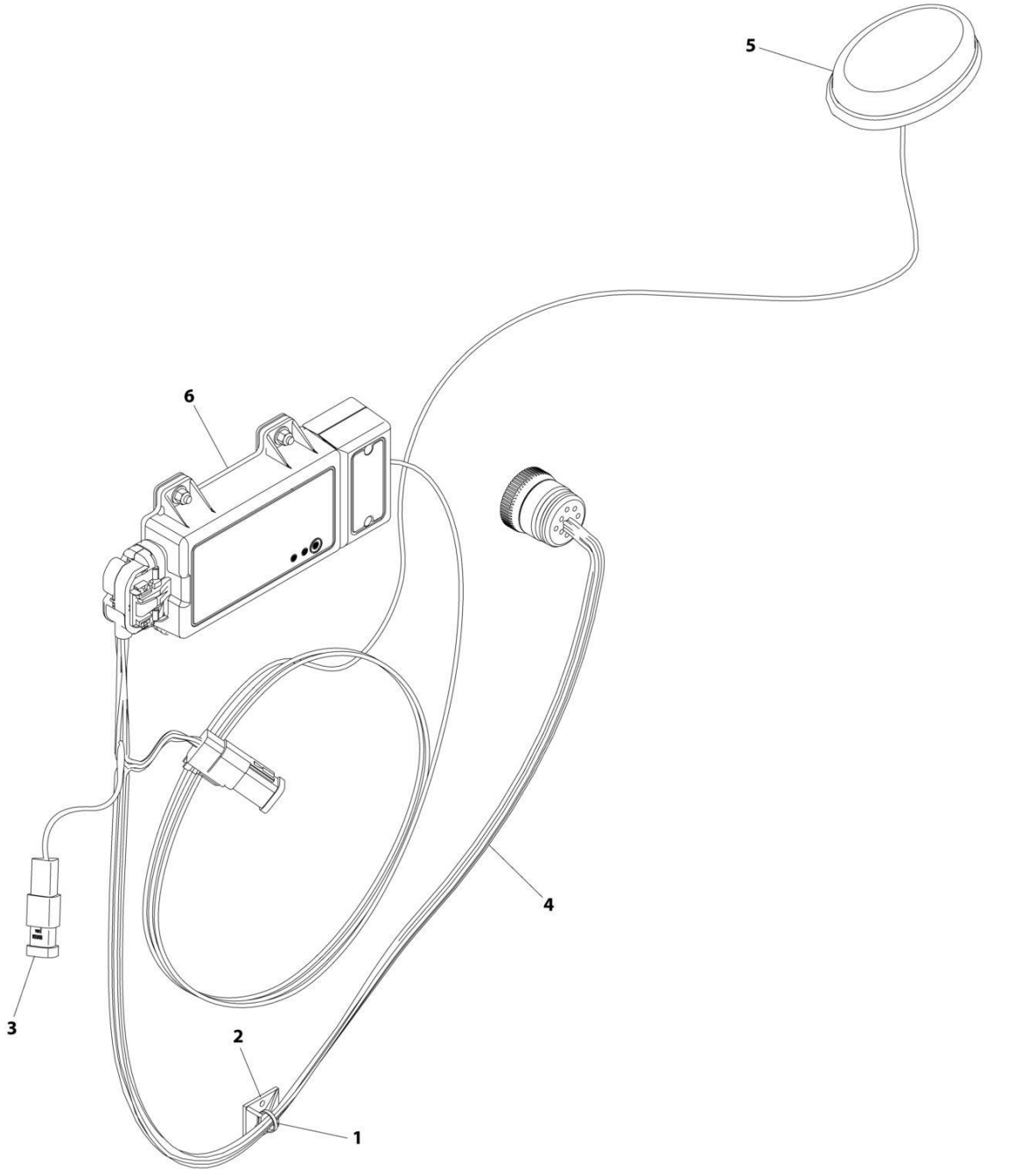
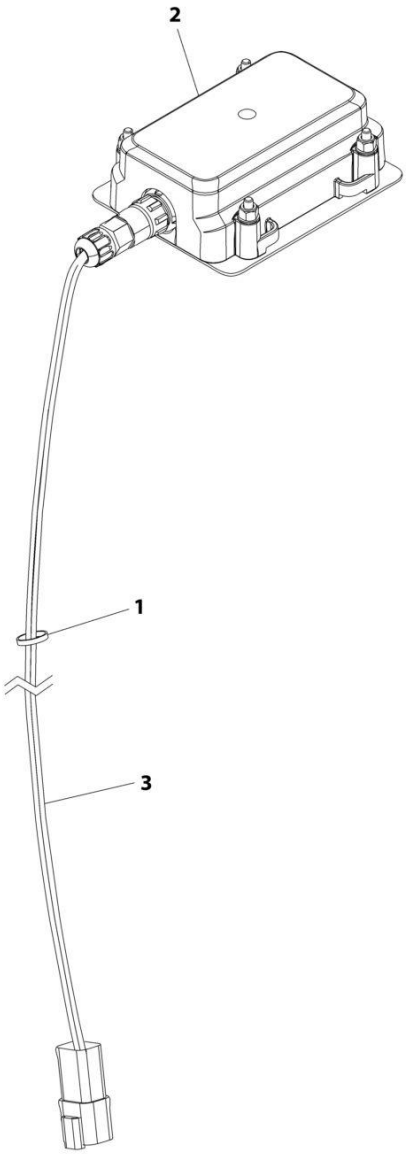


FIGURE 8-43. CLEARSKY (TELEMATICS) INSTALLATION - CANBUS 3G (AUSTRALIAN SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246456	Ref	CLEARSKY INSTALLATION - CANBUS	A
1	4240032	AR	Tie-Strap	
2	4460234	AR	Cable Tie	
3	1001116815	1	Connector	
4	1001226739	1	ClearSky Harness (See Separate Breakdown in ELECTRICAL Section)	
5	1001226799	1	Antenna	
6	1001246144	1	Telematics Control Module (Note: Re-calibration Required when Replaced)	

FIGURE 8-44. CLEARSKY (TELEMATICS) INSTALLATION - 3 WIRE GT1030



ART_1001276610

FIGURE 8-44. CLEARSKY (TELEMATICS) INSTALLATION - 3 WIRE GT1030

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

FIGURE 8-45. CLEARSKY (TELEMATICS) HARNESS

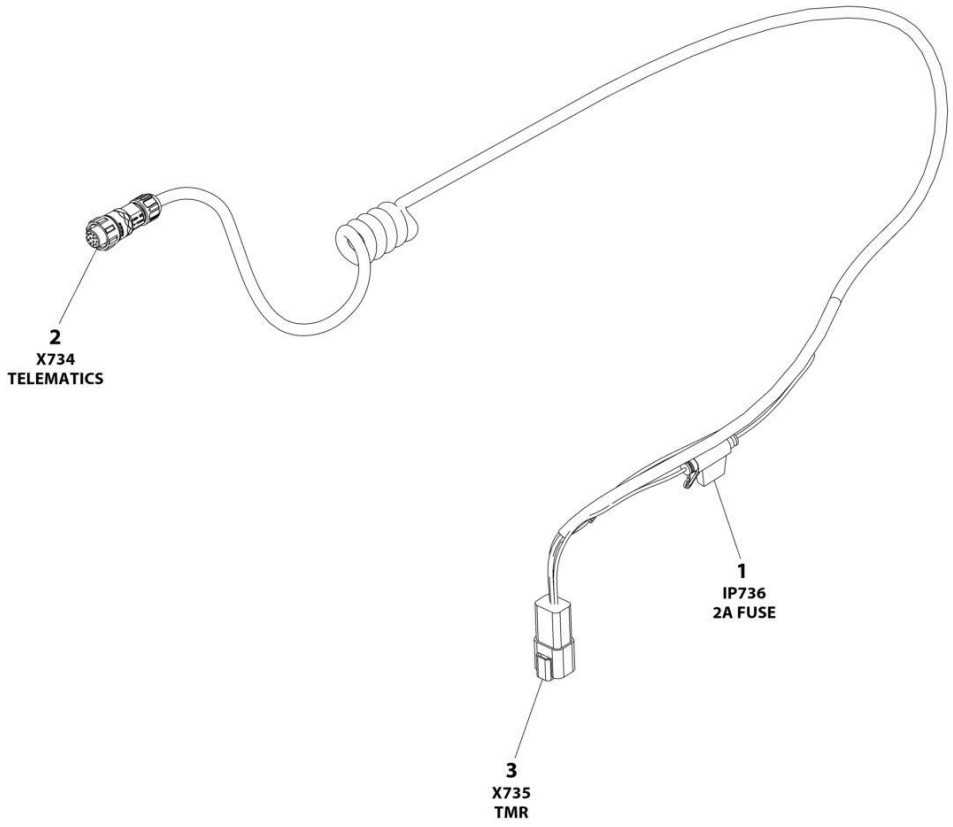
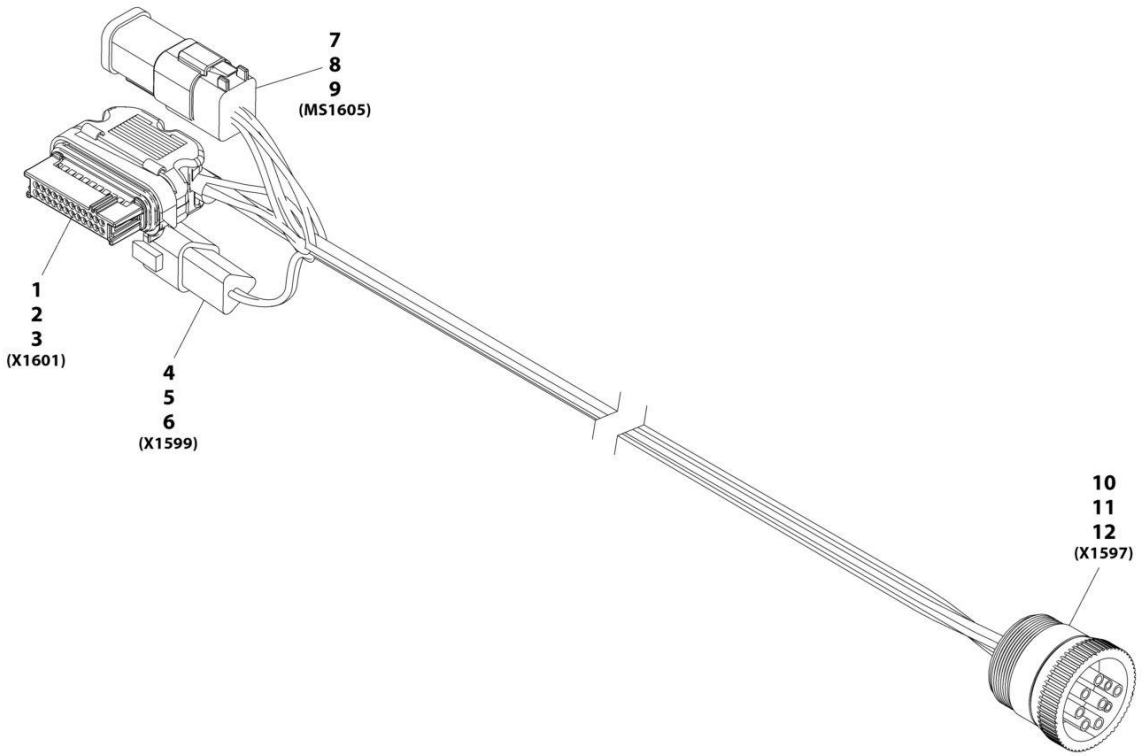


FIGURE 8-45. CLEARSKY (TELEMATICS) HARNESS

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

FIGURE 8-46. CLEARSKY HARNESS - CANBUS



ART_1001226739-A

FIGURE 8-46. CLEARSKY HARNESS - CANBUS

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

FIGURE 8-47. ENGINE HARNESS - DEUTZ D2011

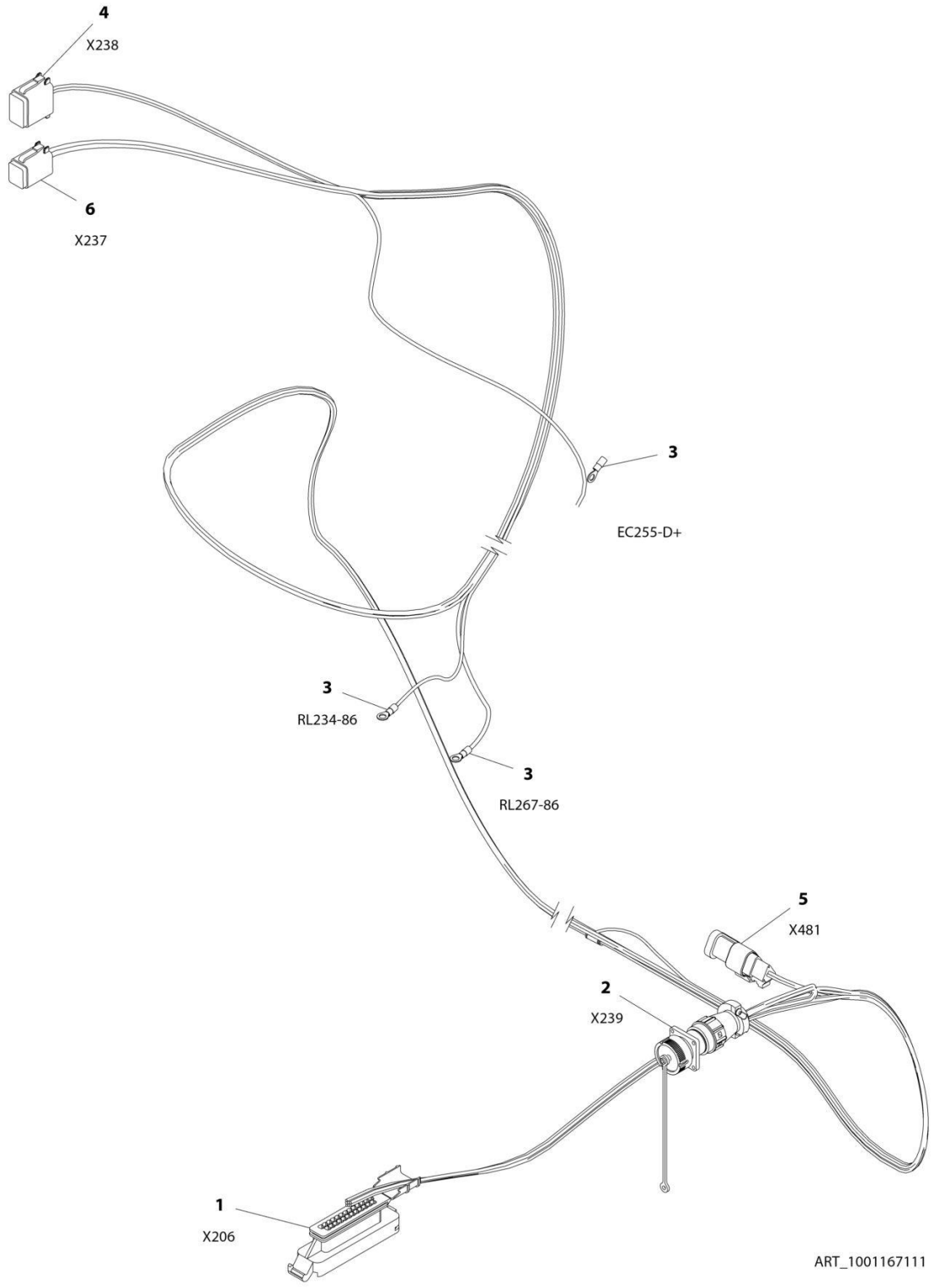


FIGURE 8-47. ENGINE HARNESS - DEUTZ D2011

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 8-48. ENGINE HARNESS - DEUTZ D2.9L4

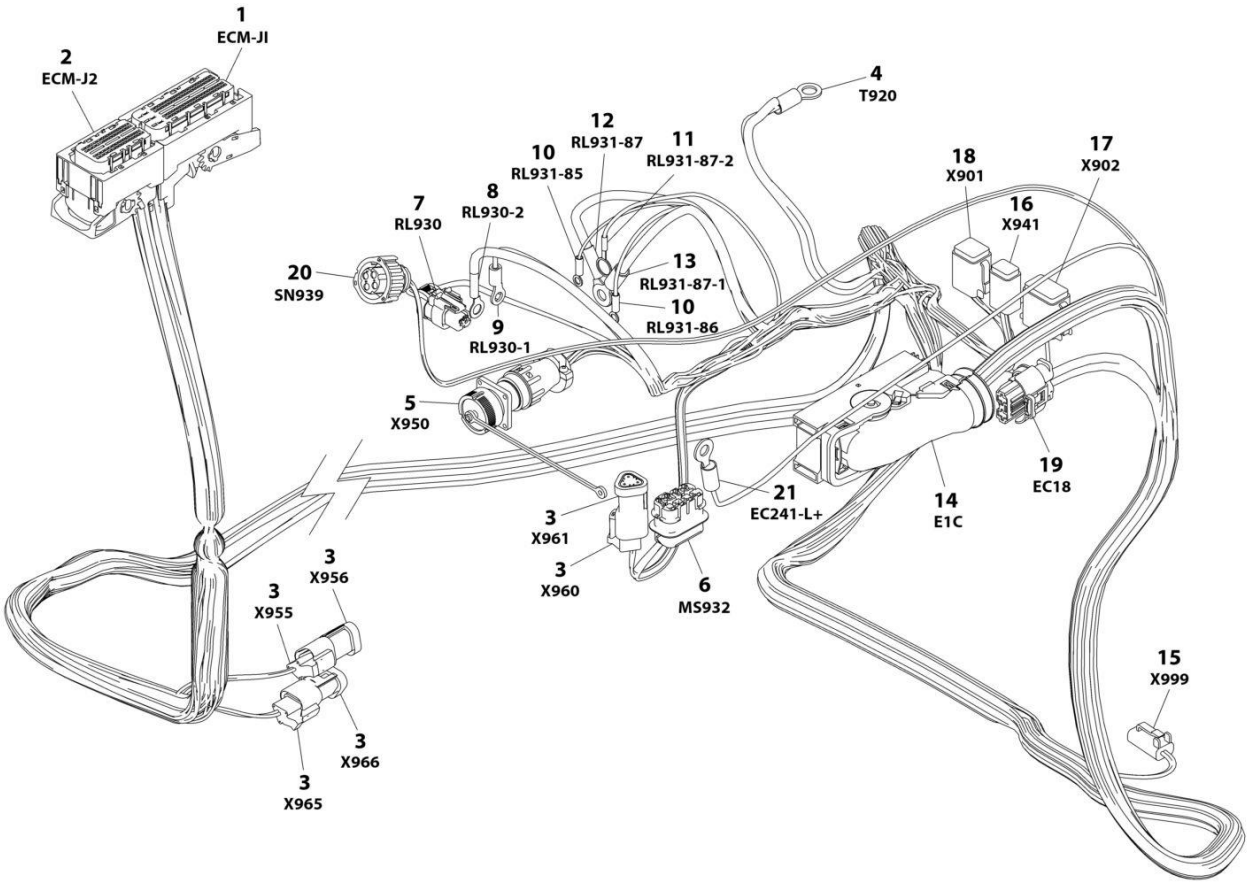


FIGURE 8-48. ENGINE HARNESS - DEUTZ D2.9L4

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 8-49. ENGINE HARNESS - DEUTZ D2.9L4 (STAGE V)

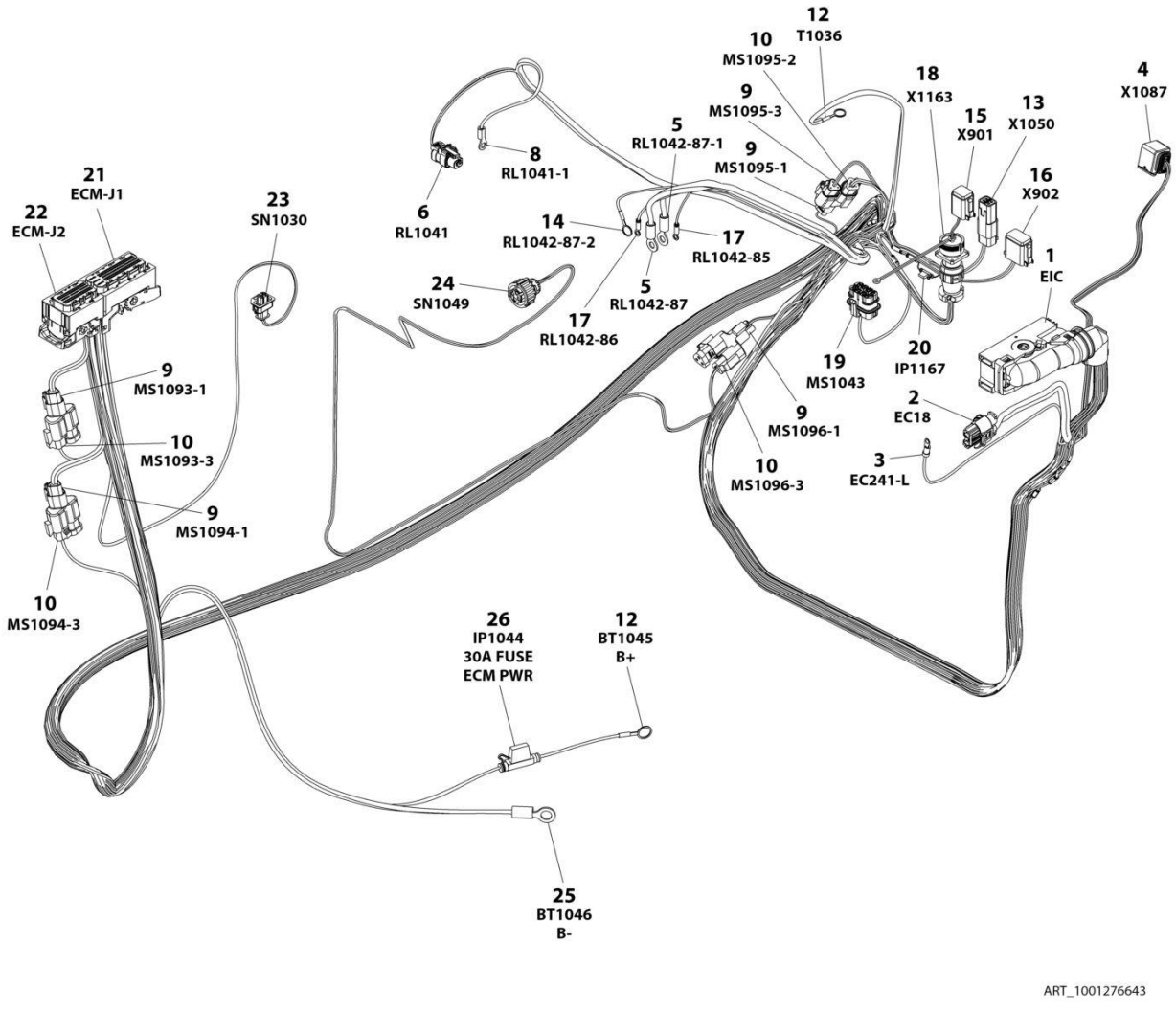


FIGURE 8-49. ENGINE HARNESS - DEUTZ D2.9L4 (STAGE V)

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

SECTION 8 - ELECTRICAL

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

FIGURE 8-50. ENGINE HARNESS - DEUTZ D2.9L4 (CHINA IV)

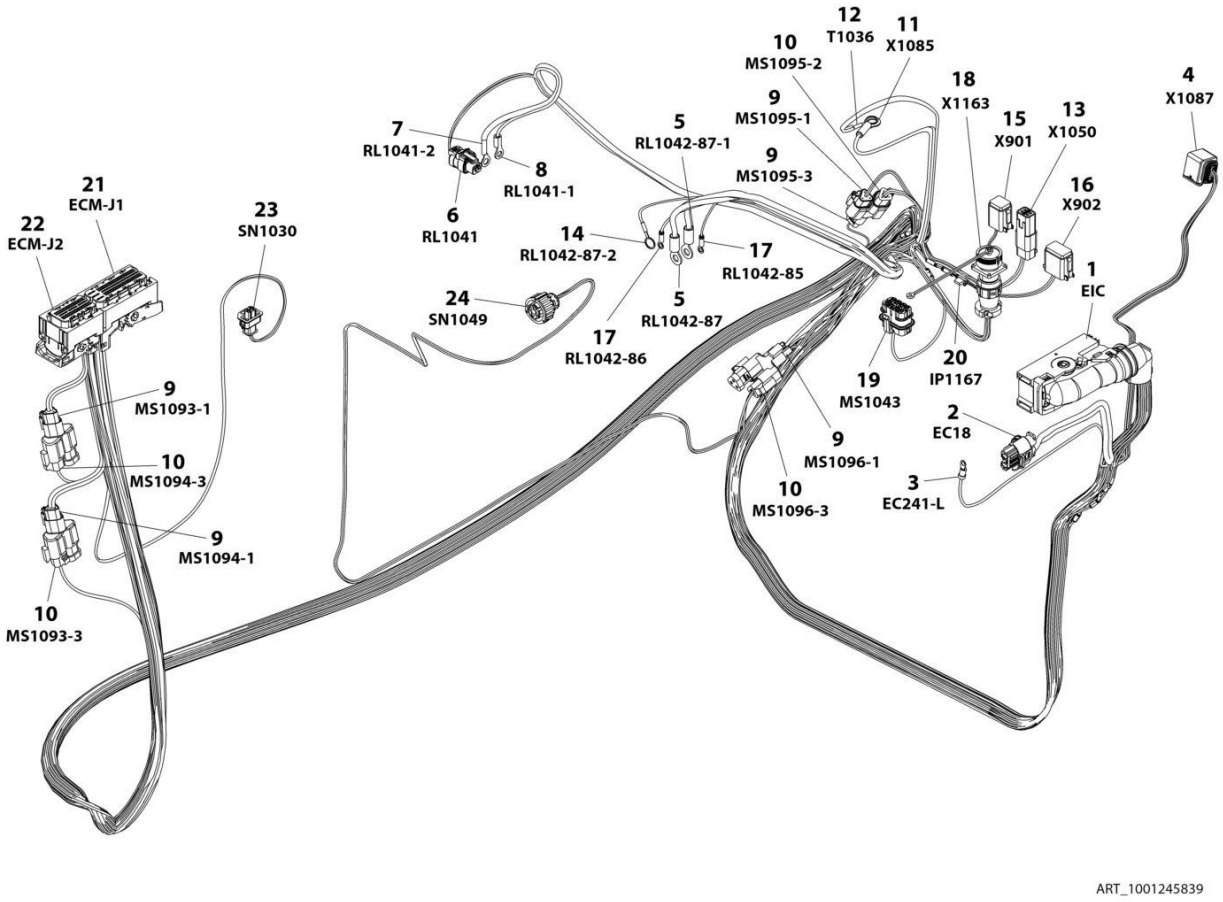


FIGURE 8-50. ENGINE HARNESS - DEUTZ D2.9L4 (CHINA IV)

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 8-51. ENGINE HARNESS - KUBOTA

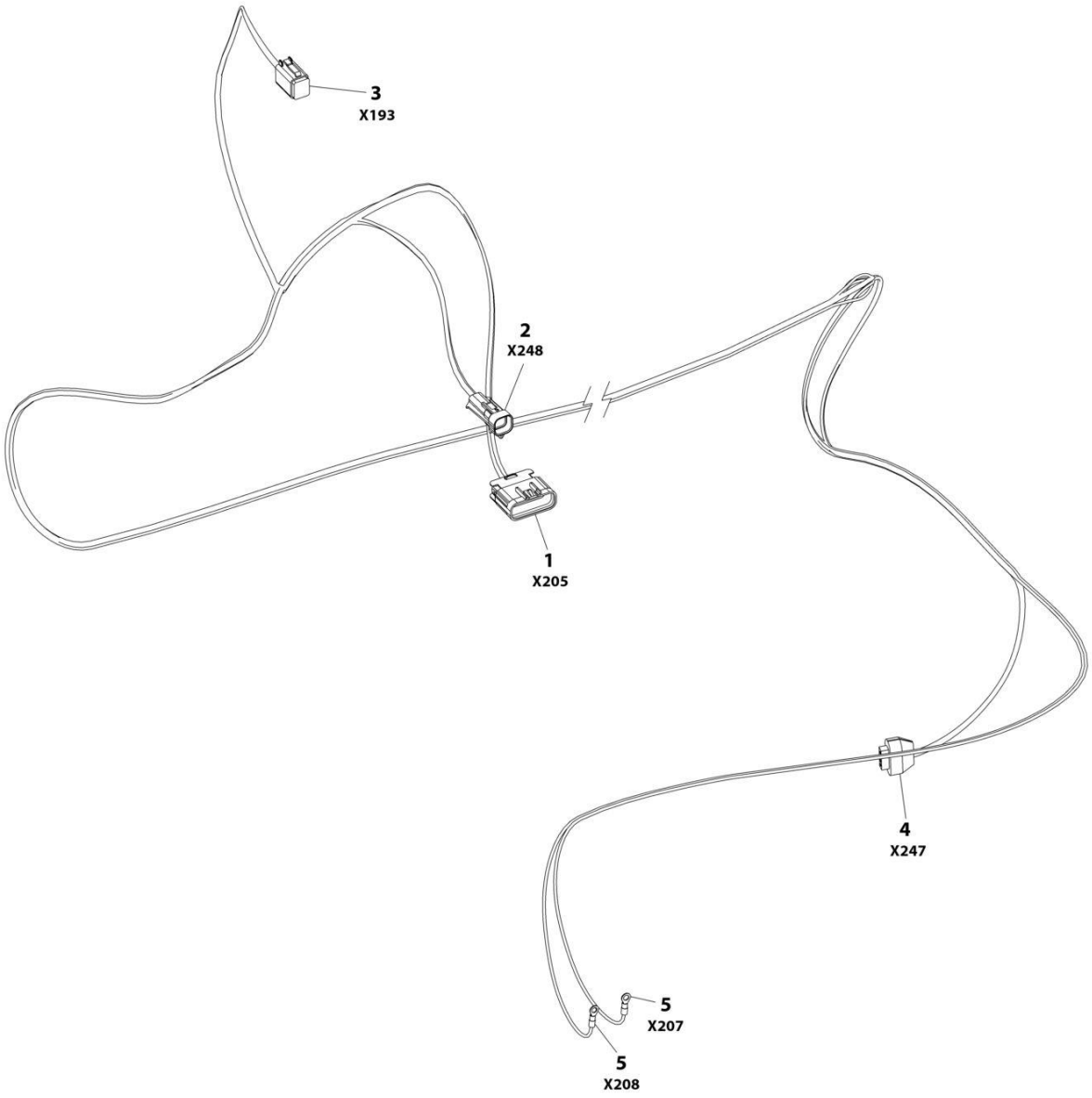


FIGURE 8-51. ENGINE HARNESS - KUBOTA

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213599	Ref	ENGINE HARNESS - KUBOTA	C
1	4461109	1	Plug, Male - 16 Position	
1	4461111	7	Terminal	
1	4461113	9	Plug	
2	4461124	1	Connector - 4 Position	
2	4460693	4	Terminal	
3	4460894	1	Plug, Male - 6 Position	
3	4460465	5	Socket, Female	
3	4460466	1	Plug, Terminal	
4	4461121	1	Plug, Male - 4 Position	
4	4461122	4	Terminal	
4	4461123	4	Seal	
5	4460042	2	Terminal, Ring	

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

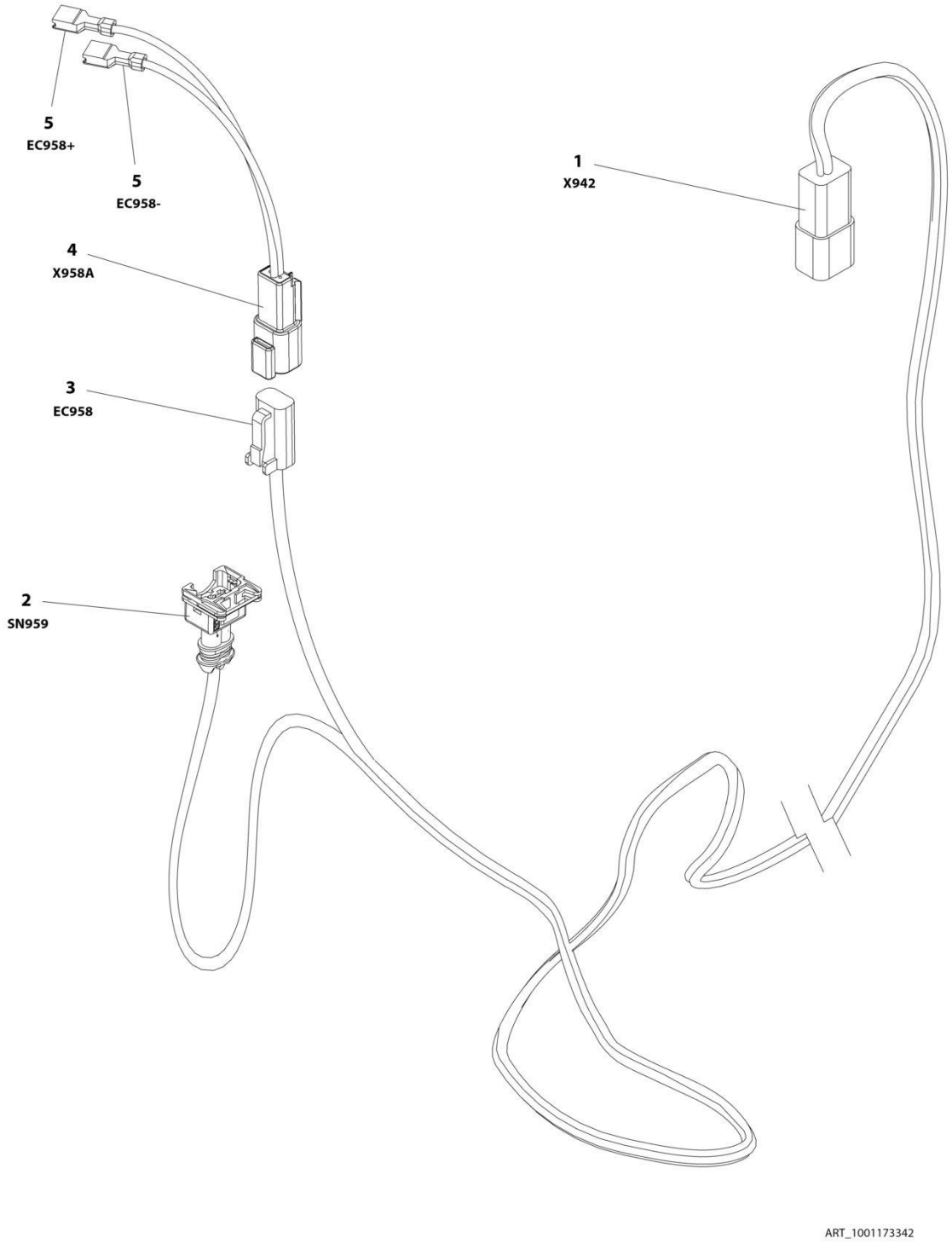


FIGURE 8-52. FUEL HARNESS - DEUTZ D2.9L4 ENGINE

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 8-53. FUEL HARNESS - KUBOTA ENGINE

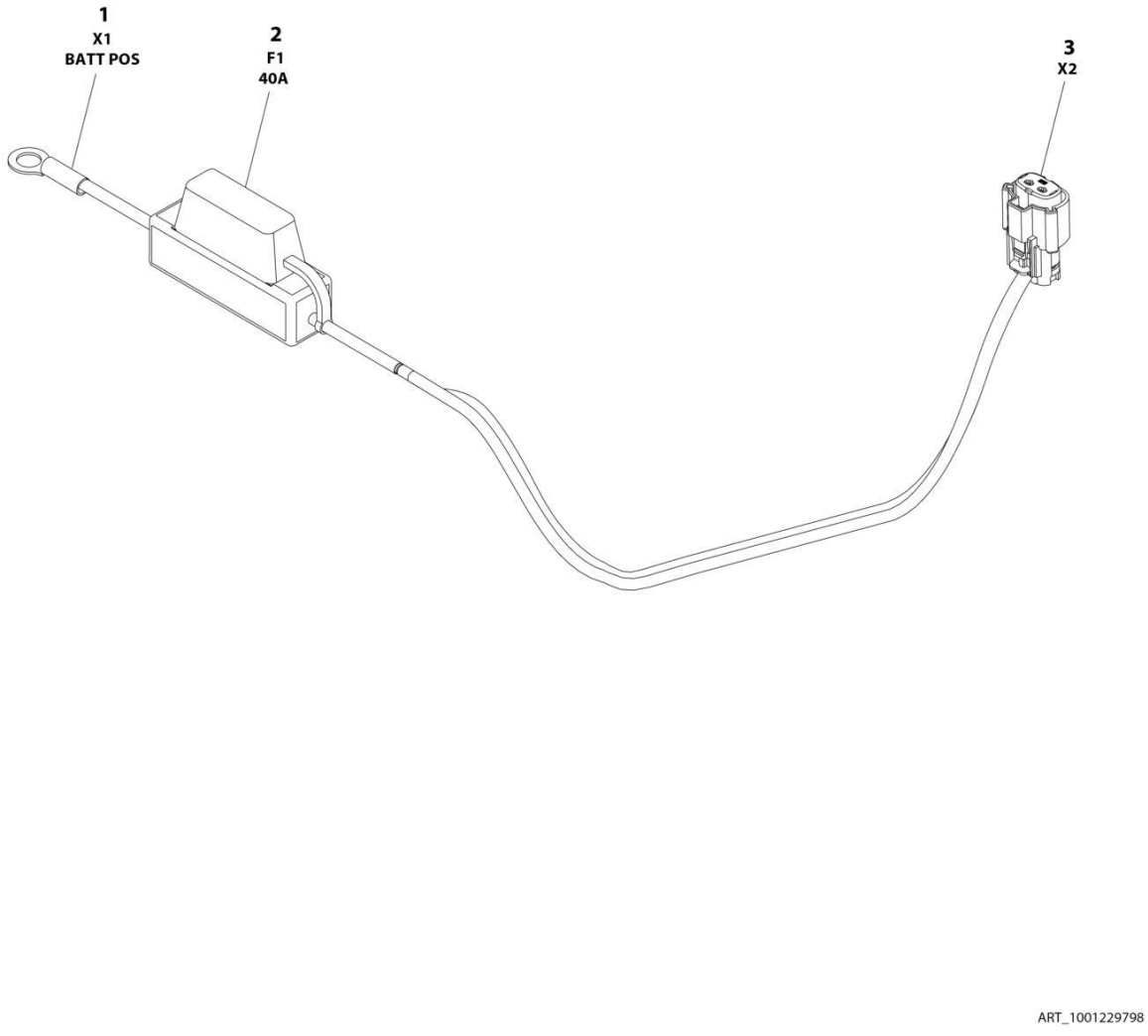


FIGURE 8-53. FUEL HARNESS - KUBOTA ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229798	Ref	FUEL HARNESS - KUBOTA ENGINE	A
1	4460977	1	Terminal, Ring	
2	2400082	1	Fuse 40Amp	
3	1001229795	1	Connector - 2 Position	
3	1001229796	1	Socket, Female	

FIGURE 8-54. GENERATOR HARNESS - 2500W

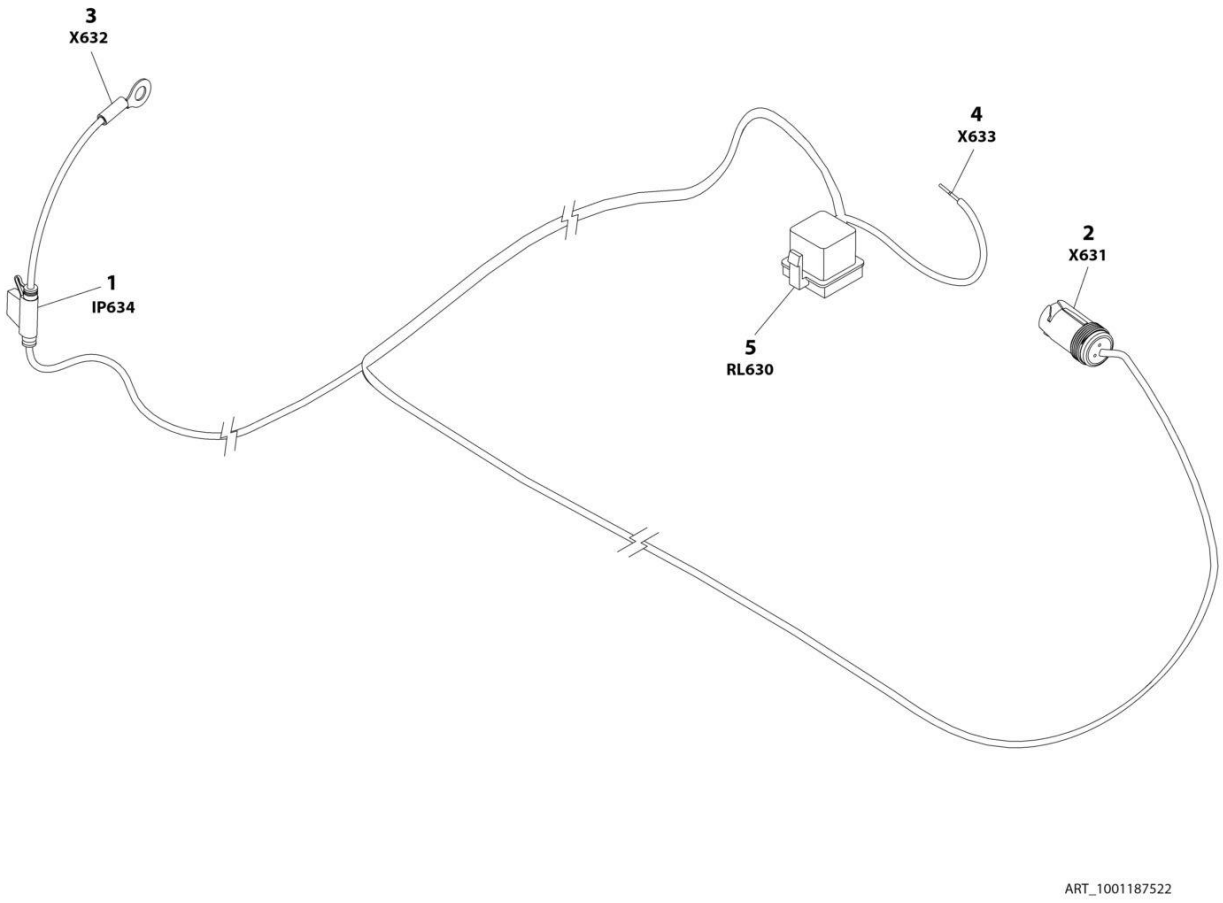


FIGURE 8-54. GENERATOR HARNESS - 2500W

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 8-55. GENERATOR HARNESS - 4000W

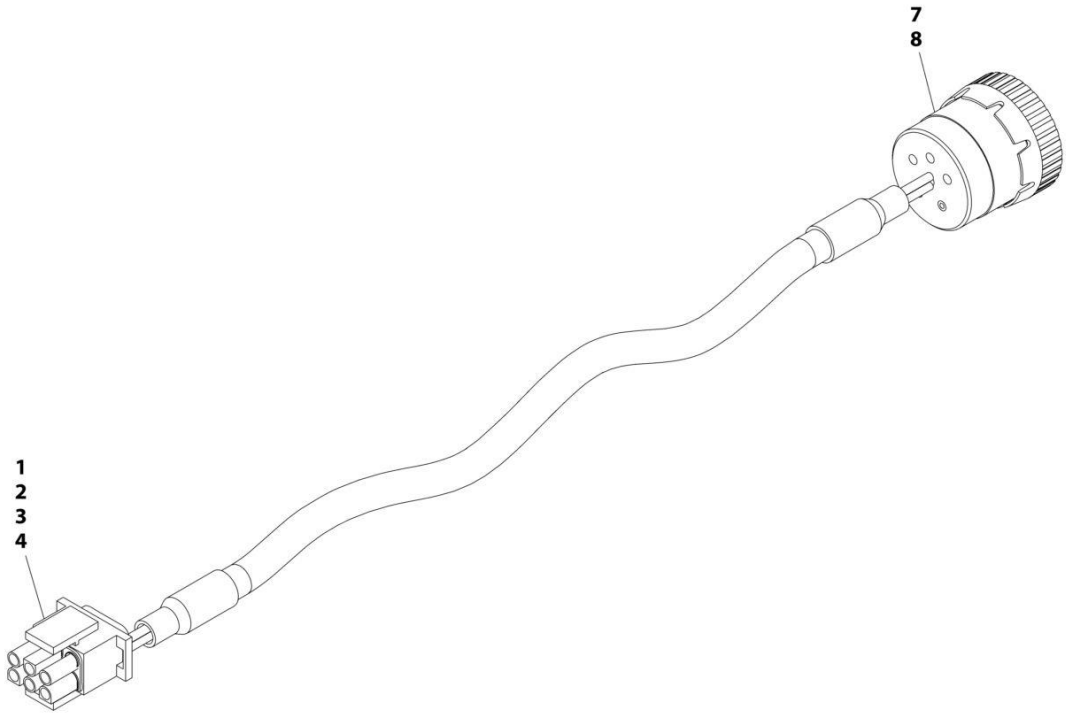


FIGURE 8-55. GENERATOR HARNESS - 4000W

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

FIGURE 8-56. GROUND CONTROL BOX HARNESS

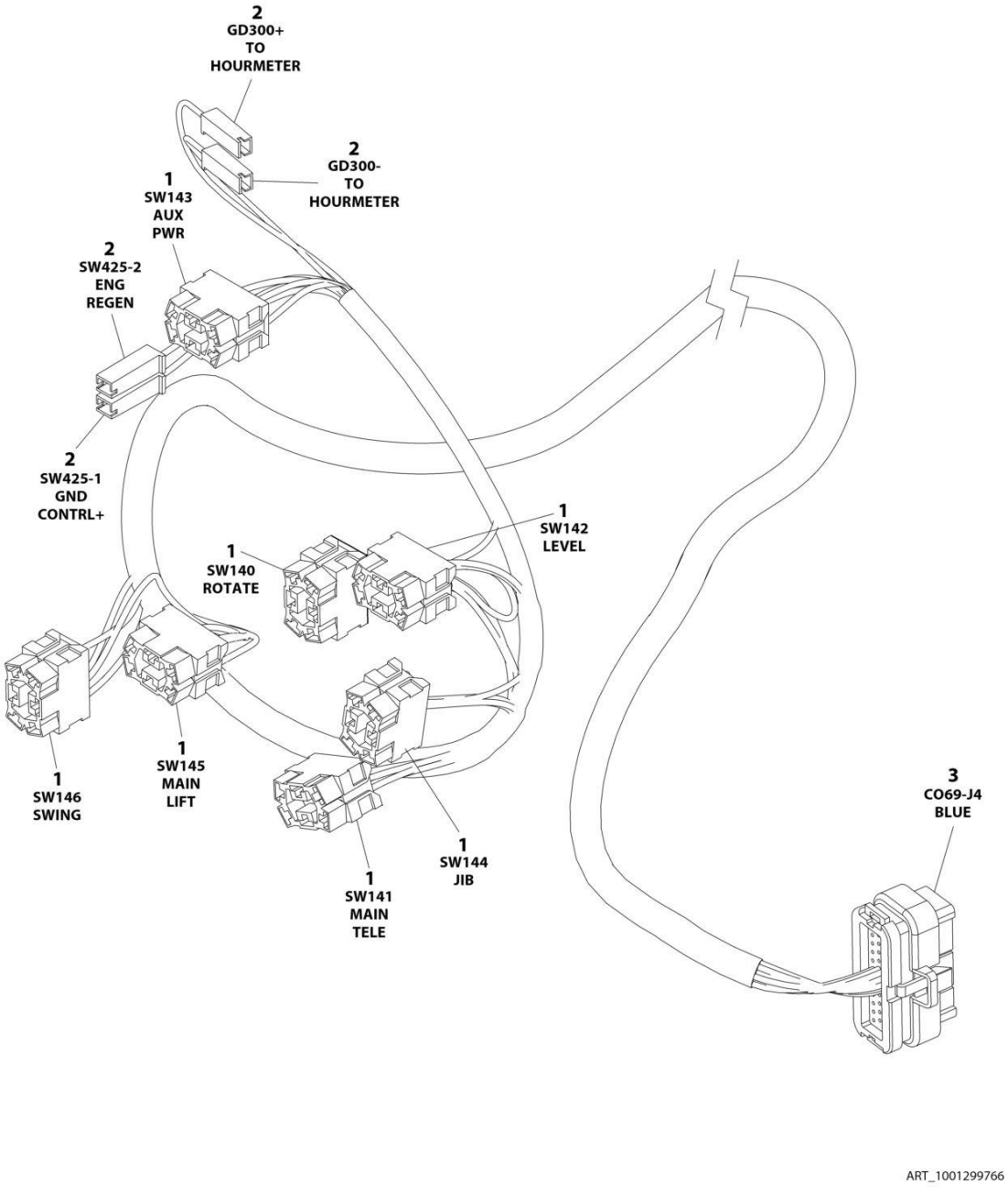


FIGURE 8-56. GROUND CONTROL BOX HARNESS

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

FIGURE 8-57. HOUR METER JUMPER HARNESS

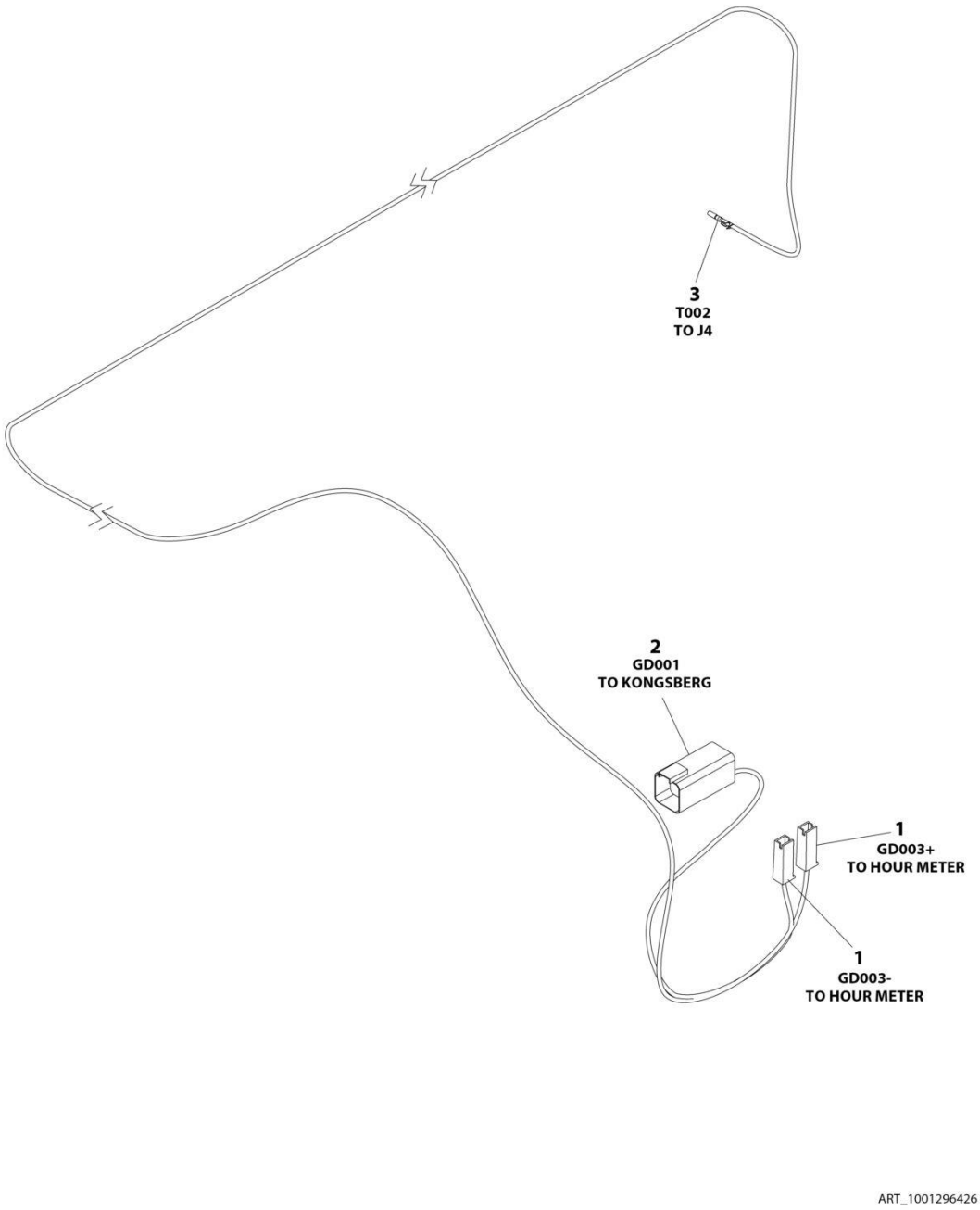


FIGURE 8-57. HOUR METER JUMPER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296426	Ref	HOUR METER JUMPER HARNESS	A
1	4460260	2	Connector	
2	4460899	1	Connector	
3	4460871	1	Socket	

FIGURE 8-58. INTERFACE HARNESS - WITH 1 CELL LSS

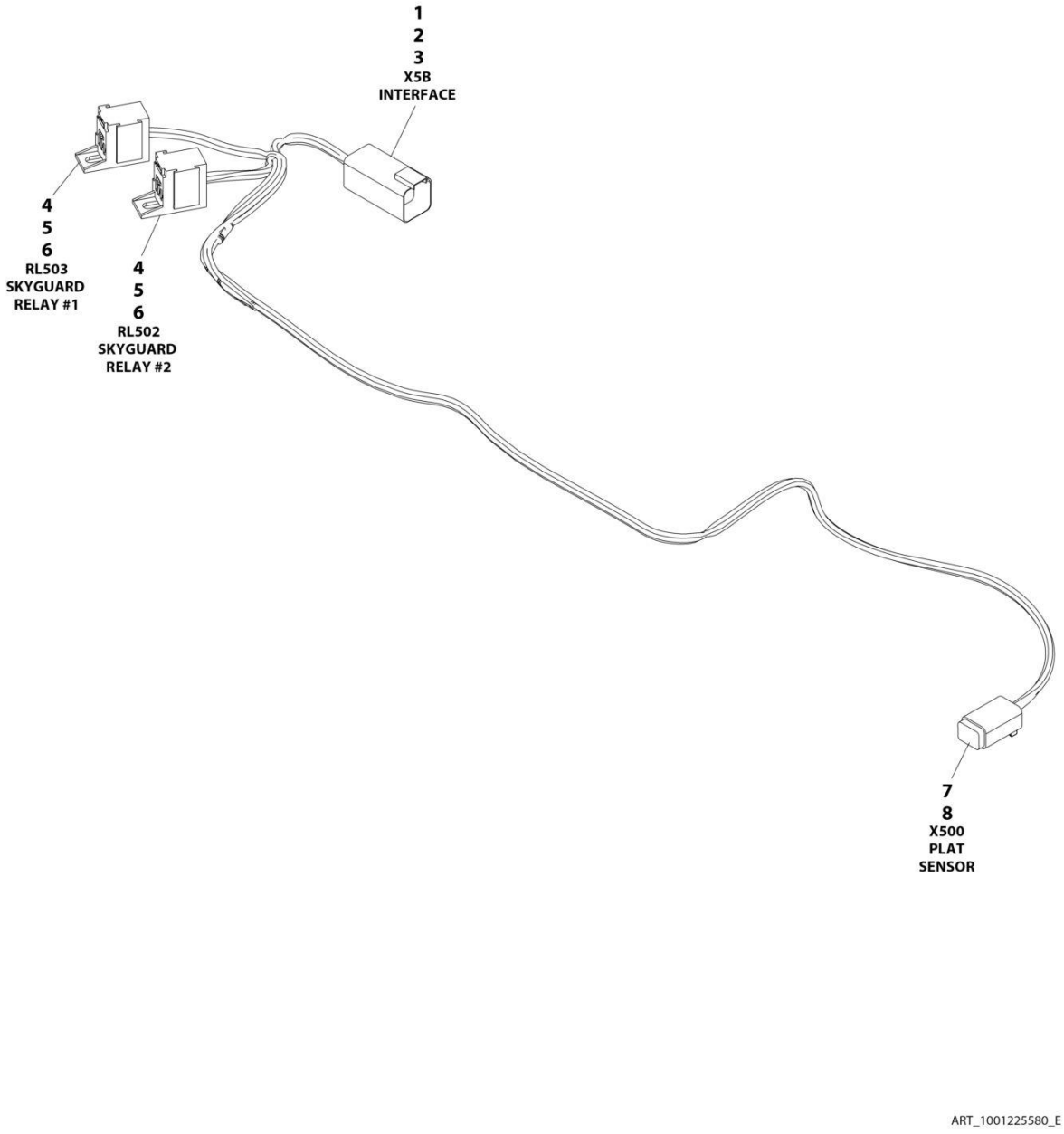


FIGURE 8-58. INTERFACE HARNESS - WITH 1 CELL LSS

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 8-59. PLATFORM CONSOLE BOX HARNESS

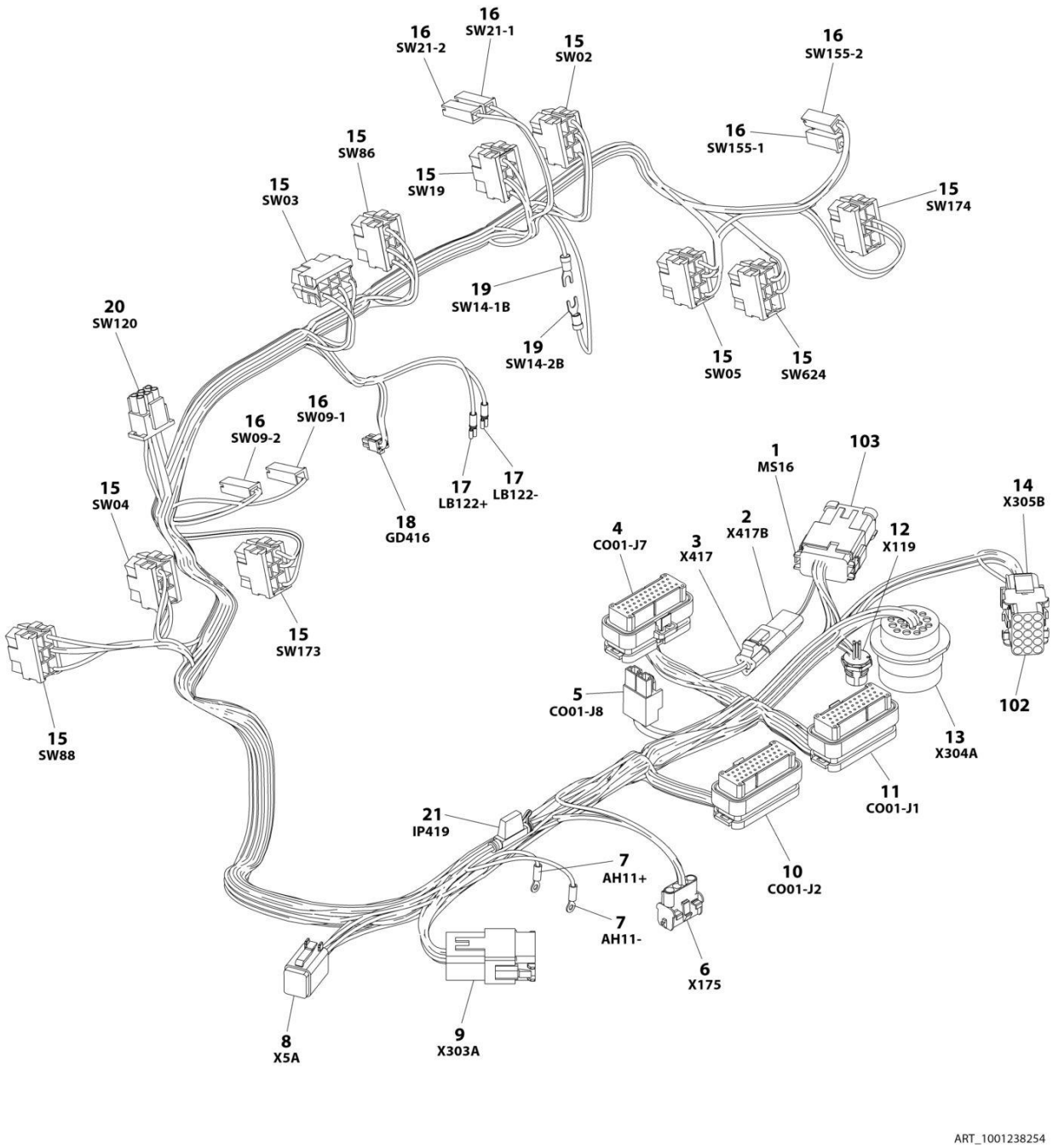


FIGURE 8-59. PLATFORM CONSOLE BOX HARNESS

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

FIGURE 8-60. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)

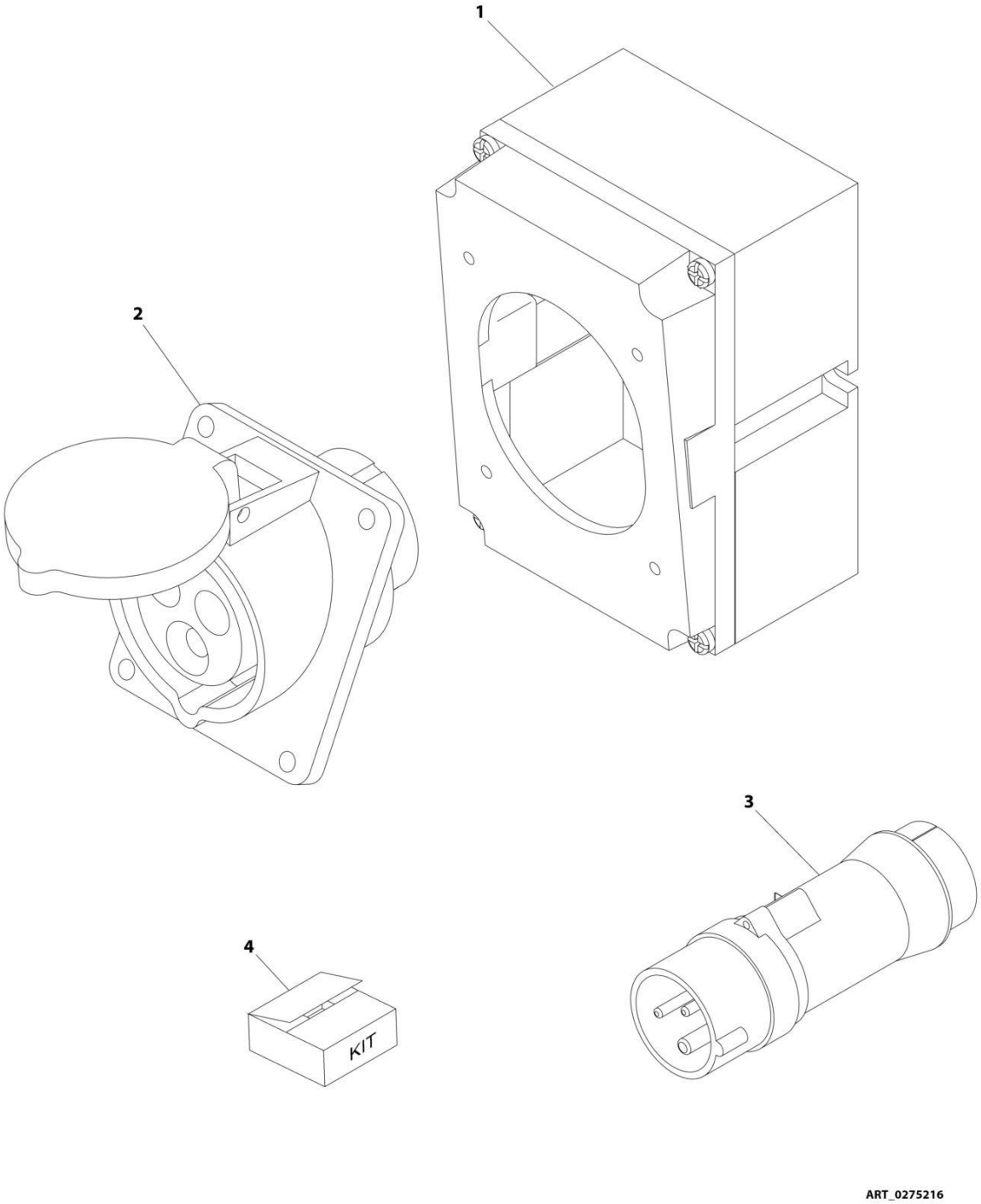


FIGURE 8-60. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)

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 8-61. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)

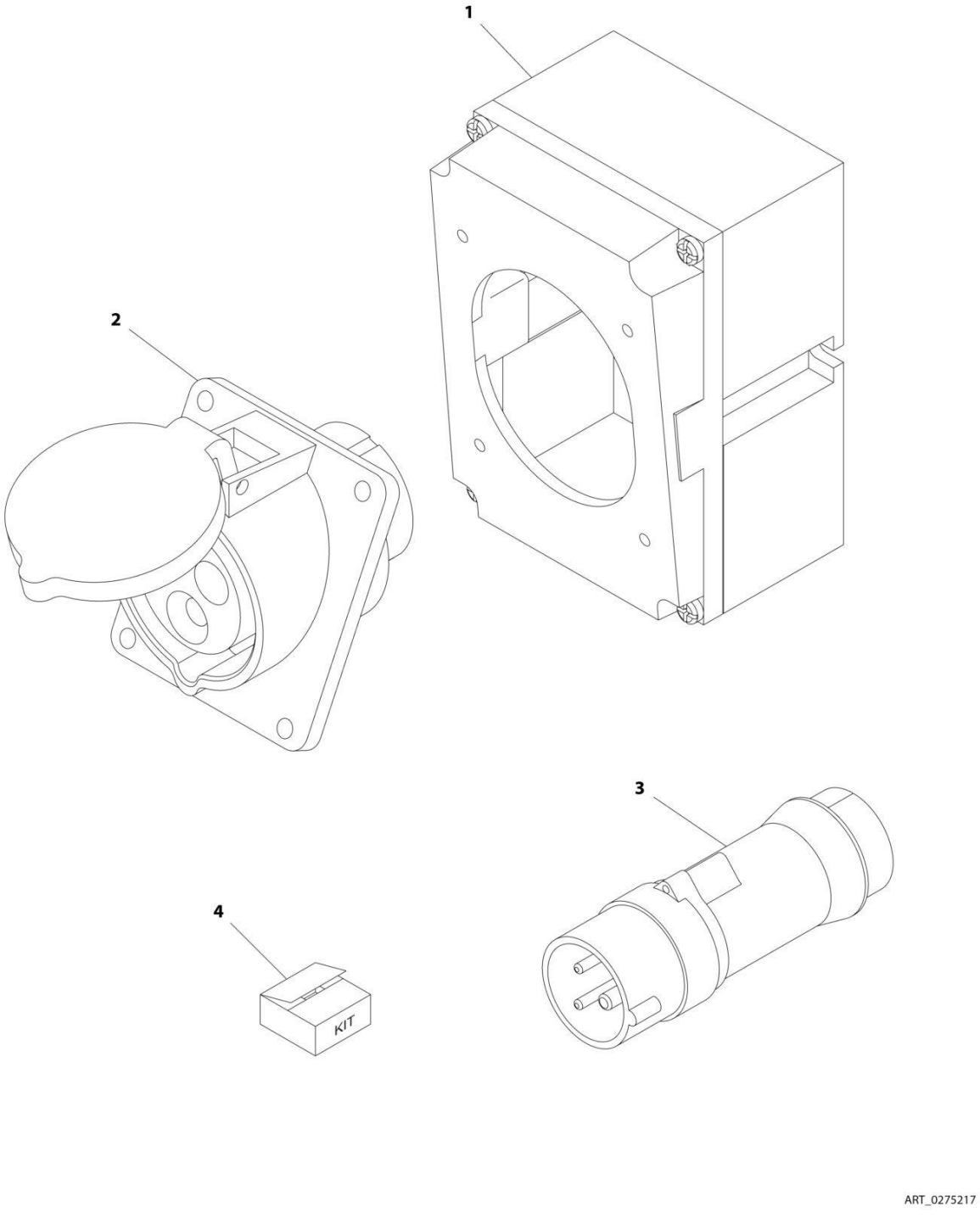


FIGURE 8-61. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)

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 8-62. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN (CE & UK CA SPEC)

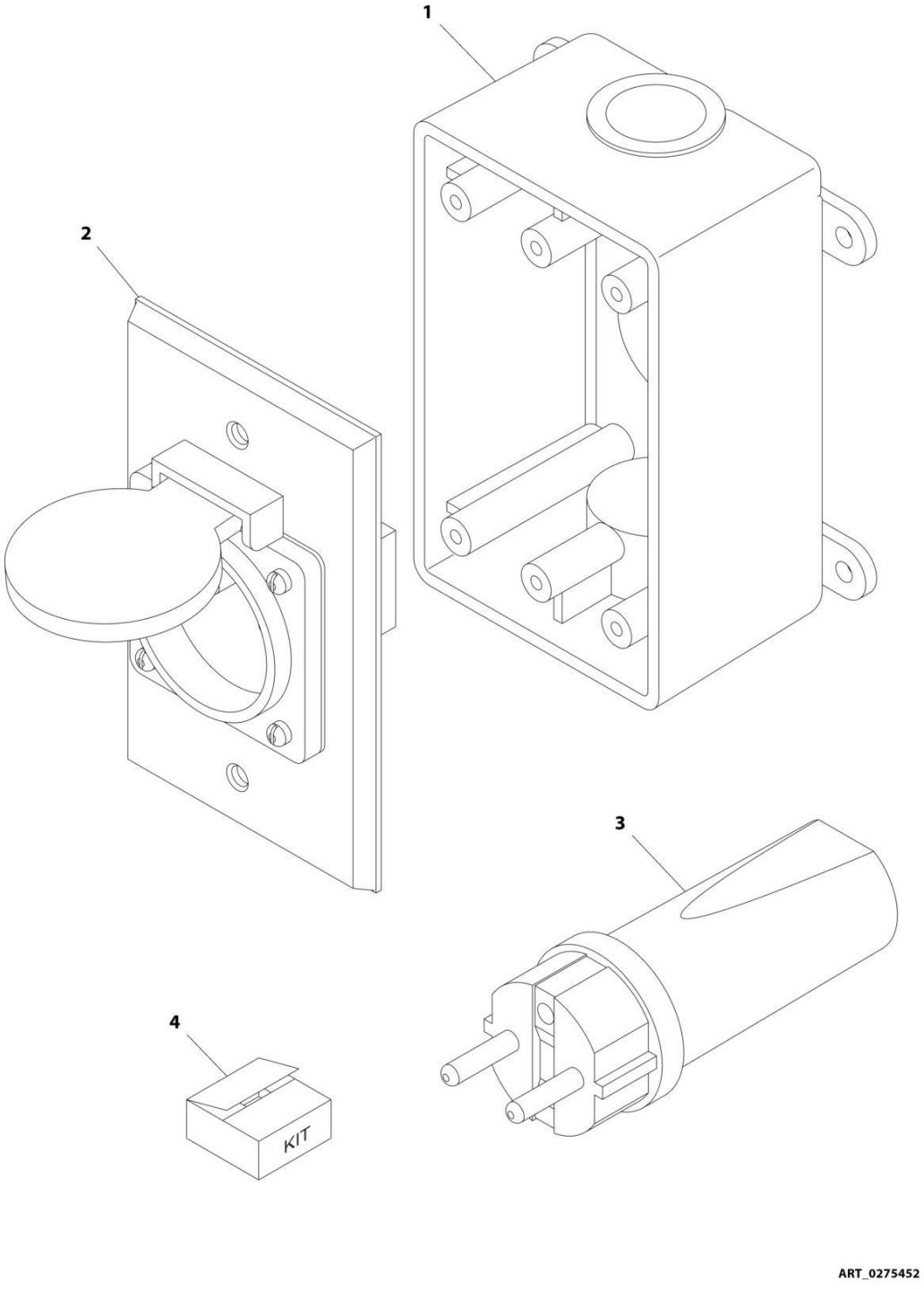


FIGURE 8-62. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN (CE & UK CA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275452	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND	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 4461206)	

FIGURE 8-63. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN (CE & UK CA SPEC)

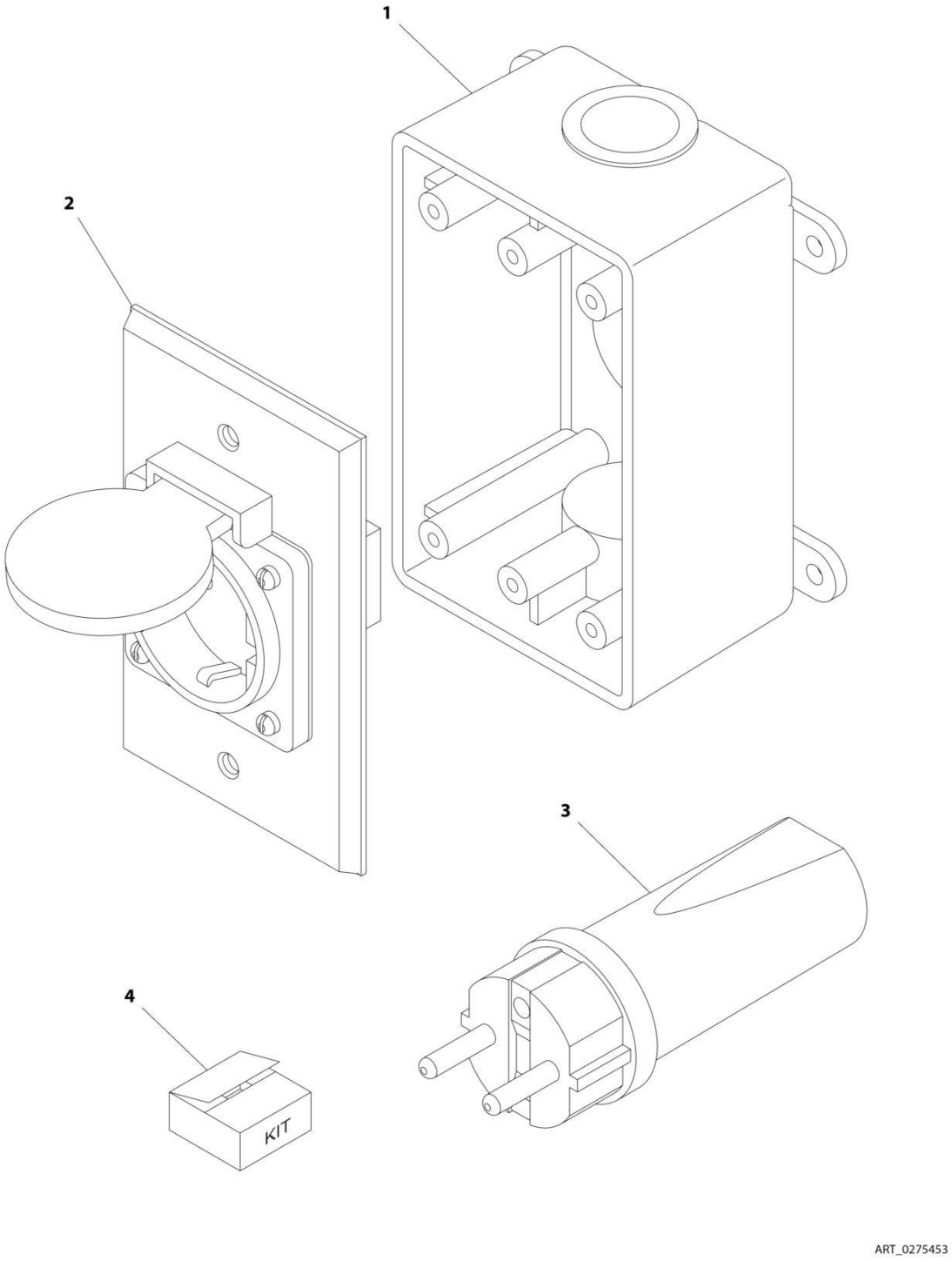


FIGURE 8-63. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND 2IN X 4IN (CE & UK CA SPEC)

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 8-64. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)

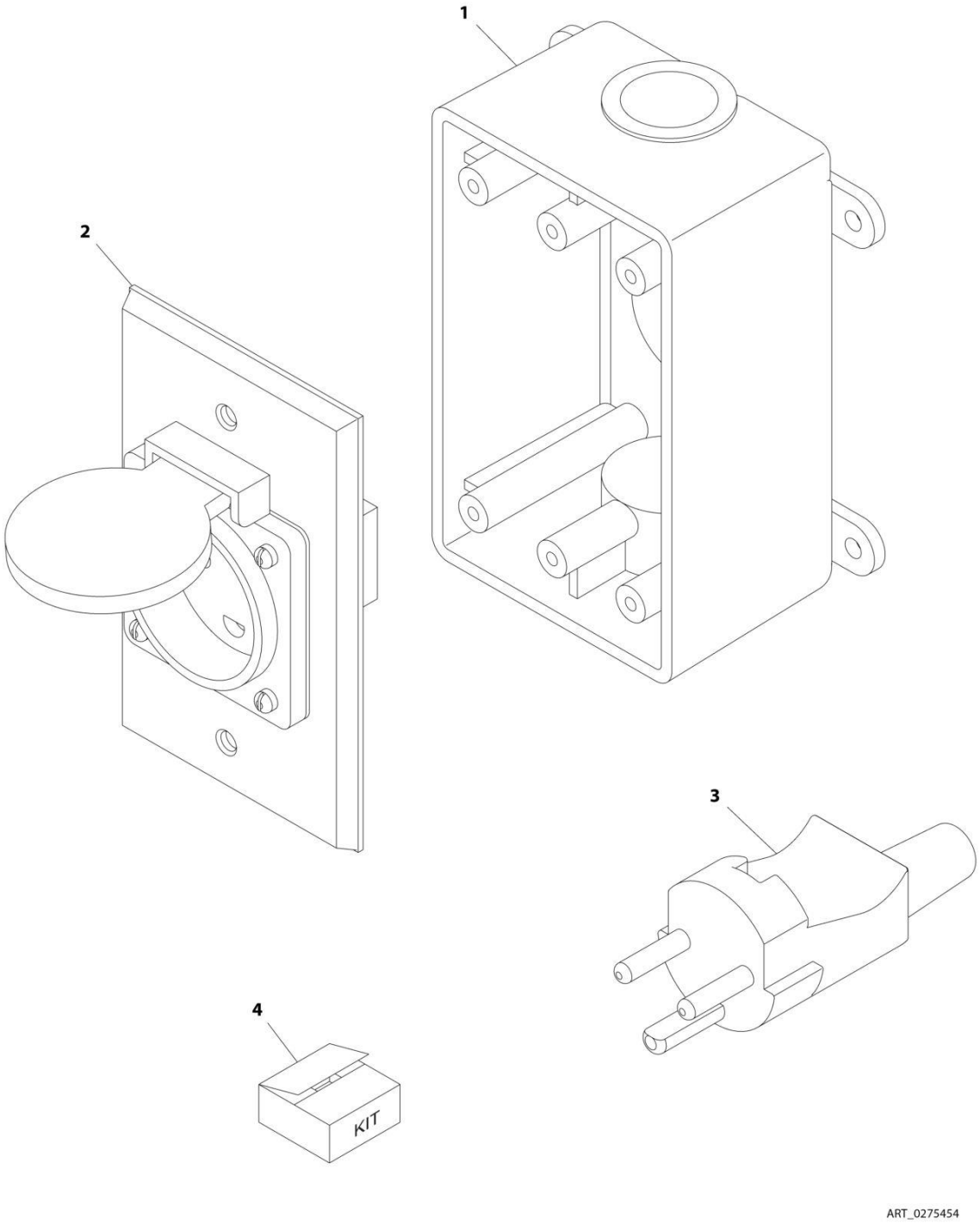


FIGURE 8-64. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)

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 8-65. TURNTABLE HARNESS

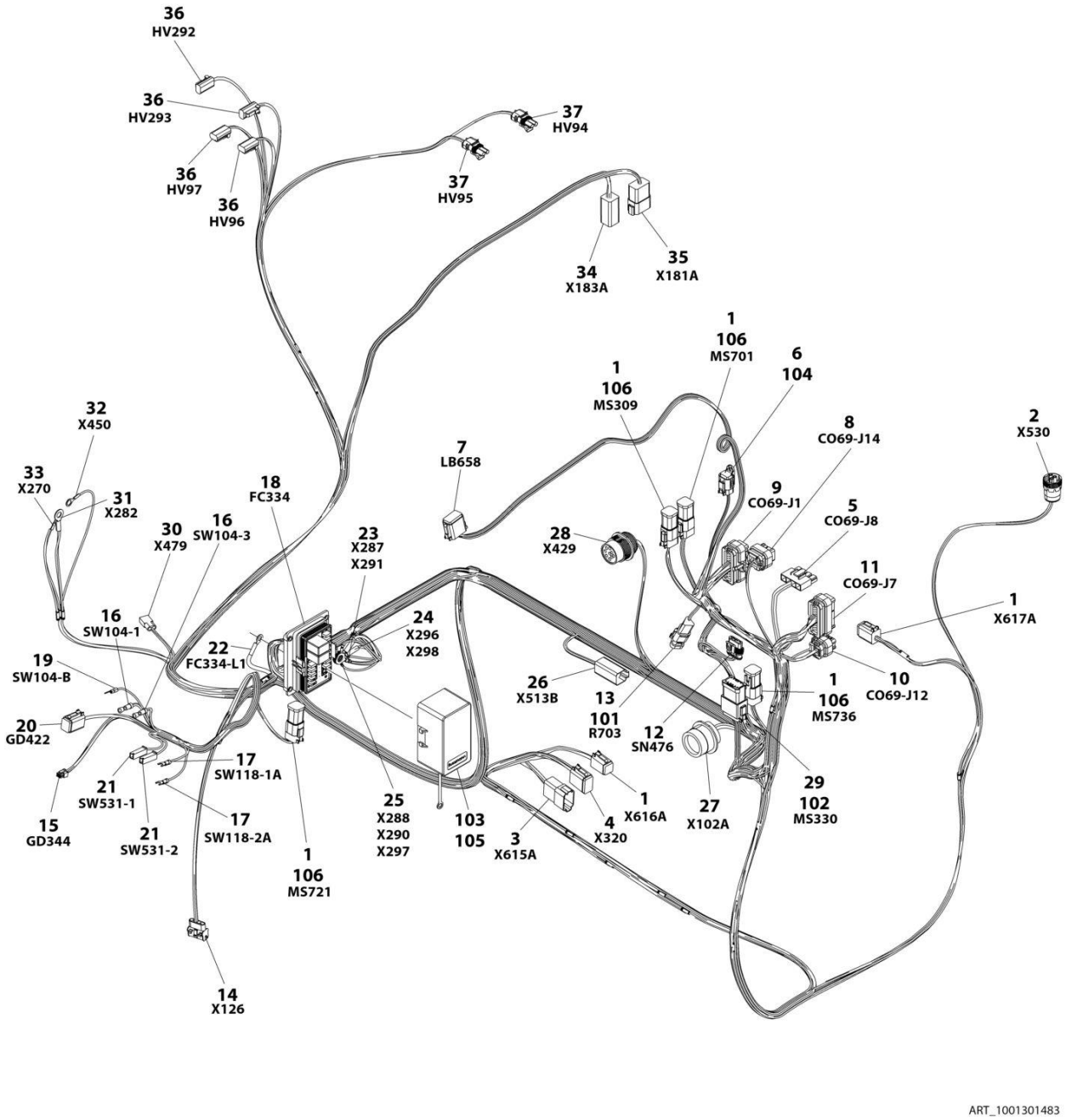


FIGURE 8-65. TURNTABLE HARNESS

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

SECTION 8 - ELECTRICAL

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

FIGURE 8-66. VALVE HARNESS - MAIN VALVE

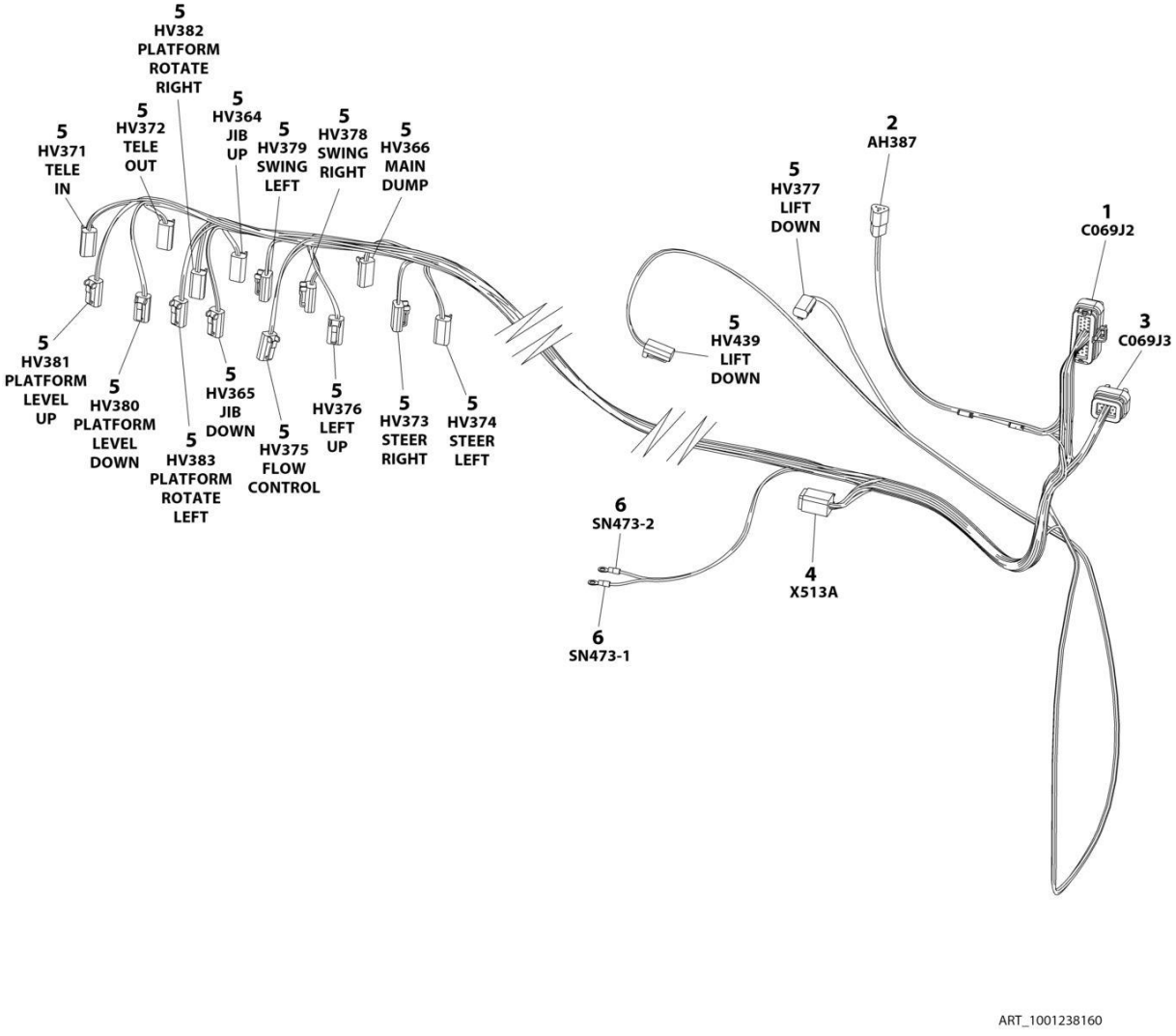


FIGURE 8-66. VALVE HARNESS - MAIN VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238160	Ref	VALVE HARNESS - MAIN VALVE	C
1	4460875	1	Connector - 35 Position	
1	4460871	27	Socket, Female	
1	4460905	8	Plug, Terminal	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	
3	4460872	1	Connector - 14 Position	
3	4460871	8	Socket, Female	
3	4460905	6	Plug, Terminal	
4	4460894	1	Plug, Male - 6 Position	
4	4460465	5	Socket, Female	
4	4460466	1	Plug, Terminal	
5	4460891	17	Plug, Male - 2 Position	
5	4460465	34	Socket, Female	
6	4460313	2	Terminal, Ring	

FIGURE 8-67. VALVE HARNESS - MAIN VALVE - 1K45FT (460SJ)

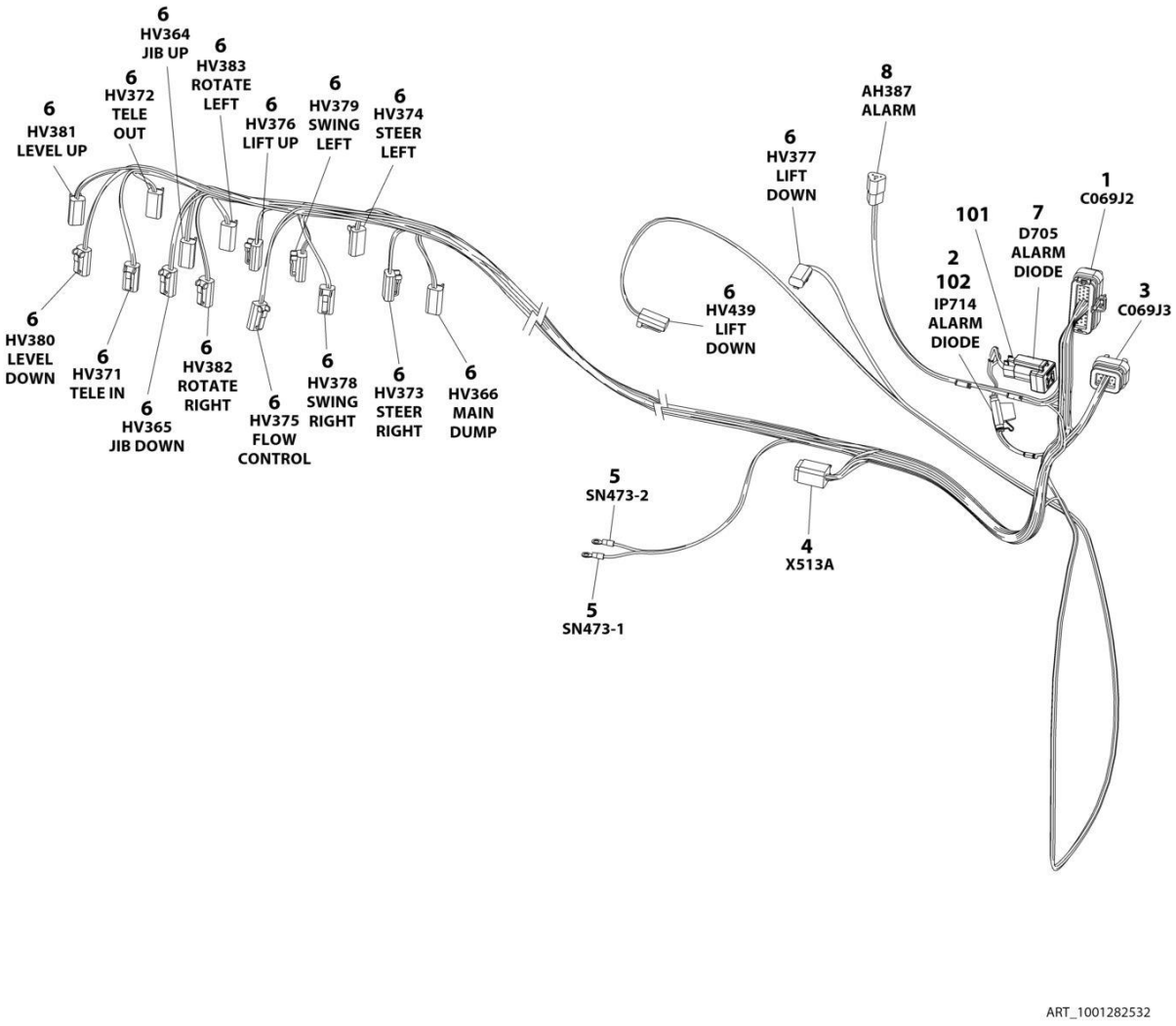


FIGURE 8-67. VALVE HARNESS - MAIN VALVE - 1K45FT (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282532	Ref	VALVE HARNESS - MAIN VALVE	A
1	4460875	1	Connector	
1	4460871	27	Socket	
1	4460905	8	Plug, Terminal	
2	1001170764	1	Fuse Holder	
3	4460872	1	Connector	
3	4460871	8	Socket	
3	4460905	6	Plug, Terminal	
4	4460894	1	Connector	
4	4460465	6	Socket	
5	4460313	2	Terminal, Ring	
6	4460891	17	Connector	
6	4460465	34	Socket	
7	4460884	1	Connector	
7	4460465	4	Socket	
8	4460539	1	Connector	
8	4460465	3	Socket	
101	1001152266	1	Connector, Diode	
102	1001196636	1	Diode	

FIGURE 8-68. SKYLINE HARNESS

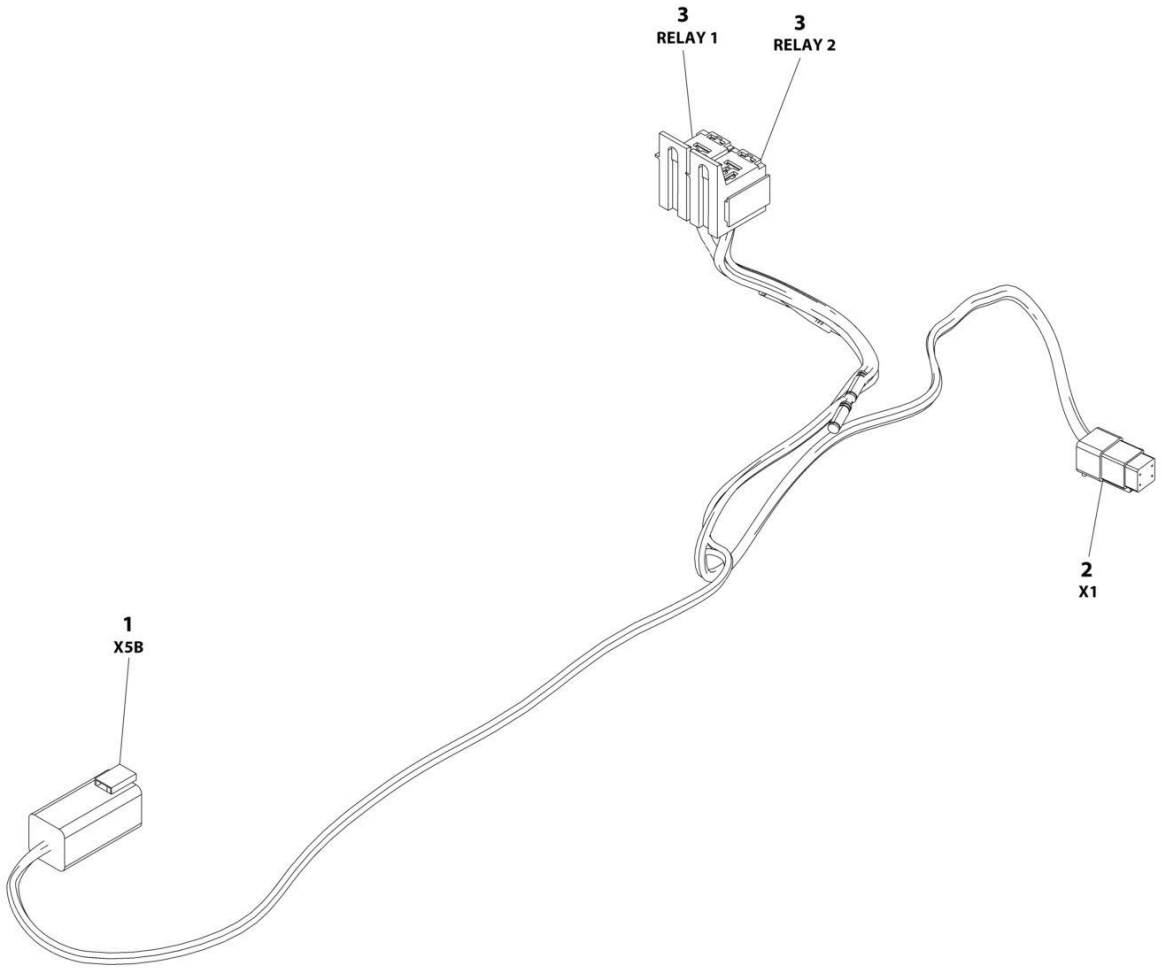
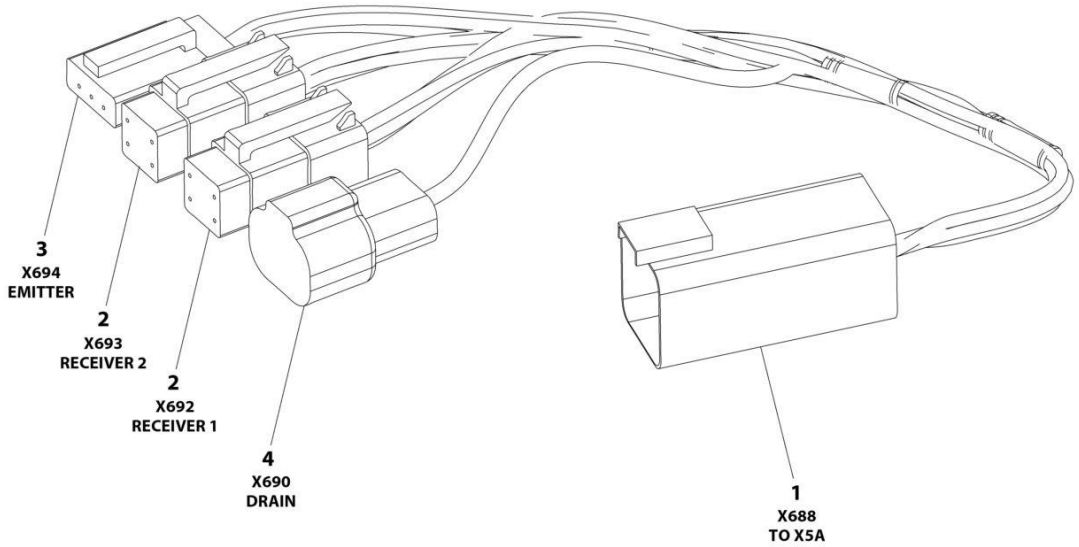


FIGURE 8-68. SKYLINE HARNESS

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 8-69. SKYEYE INTERMEDIATE HARNESS



ART_1001237865

FIGURE 8-69. 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 8-70. SKYEYE RECEIVER HARNESS

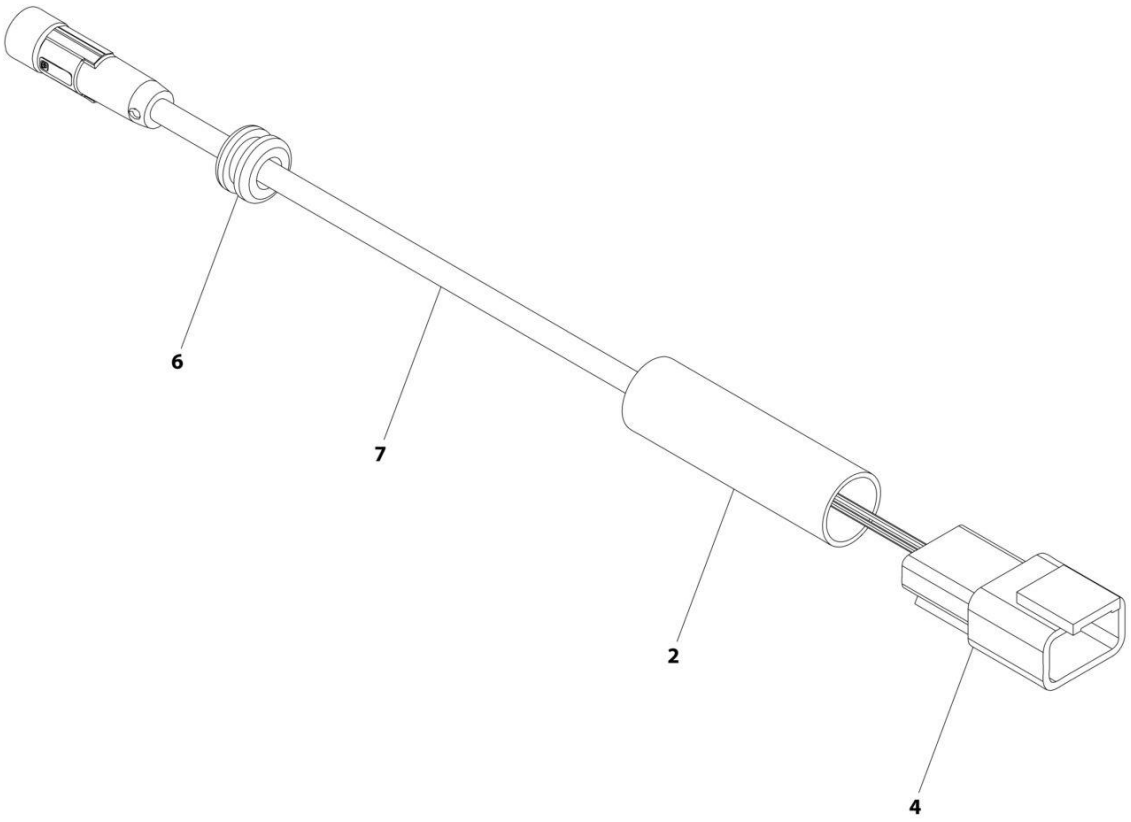


FIGURE 8-70. SKYEYE RECEIVER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237863	Ref	SKYEYE RECEIVER HARNESS	B
2	2820247	AR	Tubing, Heat Shrink	
4	1001097051	1	Connector - 4 Position	
4	1001119620	4	Pin, Male	
6	1001227996	1	Grommet	
7	1001258495	1	Cable, M8 Female Cordset	

FIGURE 8-71. SKYEYE EMITTER HARNESS

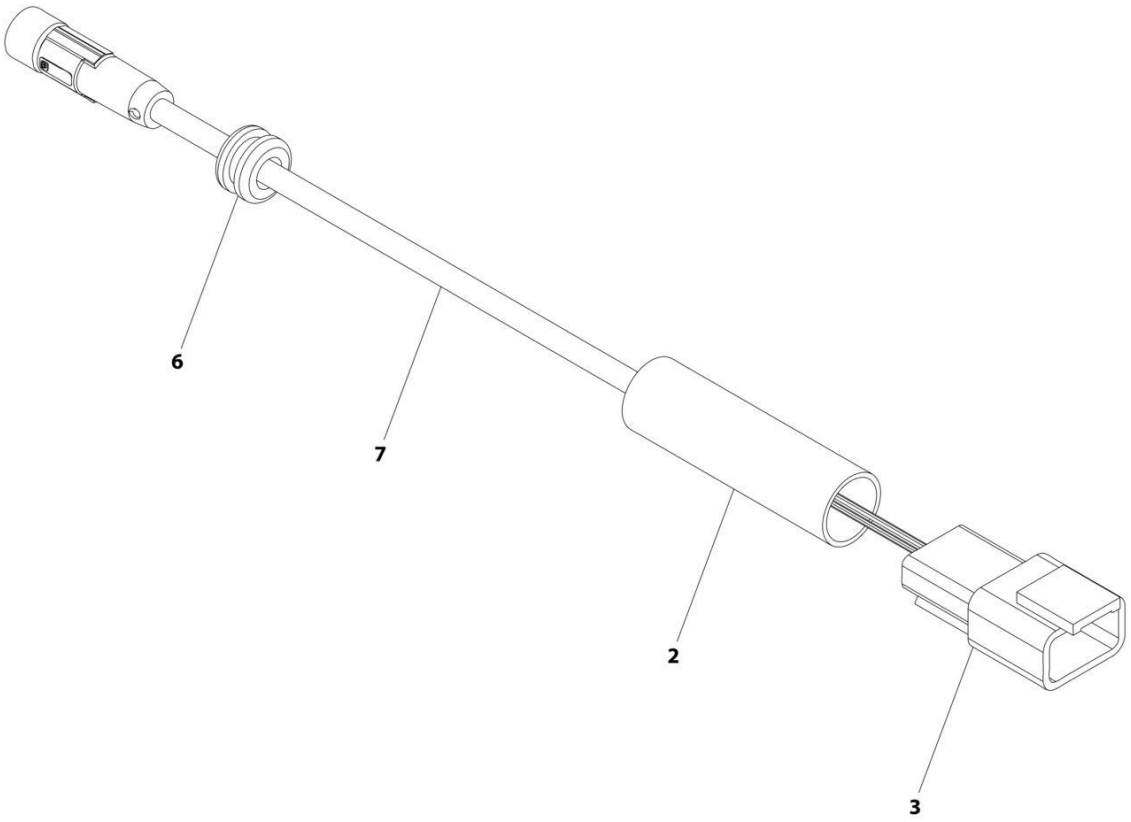


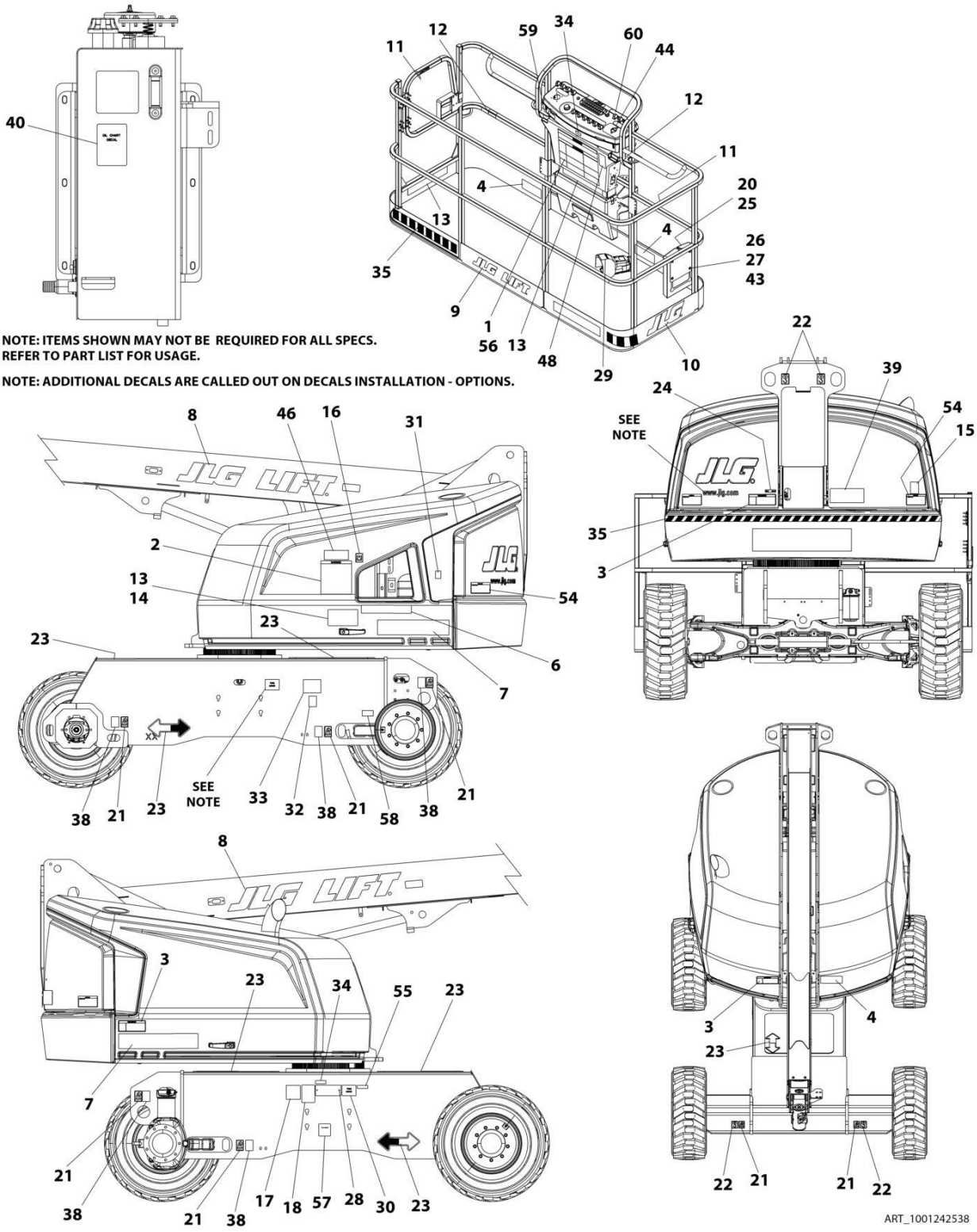
FIGURE 8-71. SKYEYE EMITTER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237864	Ref	SKYEYE EMITTER HARNESS	B
2	2820247	AR	Tubing, Heat Shrink	
3	4460910	1	Connector - 3 Position	
3	1001119620	3	Pin, Male	
6	1001227996	1	Grommet	
7	1001258495	1	Cable, M8 Female Cordset	

SECTION 9 - DECAL

SECTION 9 - DECAL

FIGURE 9-1. DECAL INSTALLATION - ANSI, ANSI EXPORT AND CSA SPECS - ENGLISH (400S)



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

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

ART_1001242538

FIGURE 9-1. DECAL INSTALLATION - ANSI, ANSI EXPORT AND CSA SPECS - ENGLISH (400S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242538	Ref	DECAL INSTALLATION - ENGLISH (400S)	E
1	1703797	1	Decal - Danger/Warning (Platform)	
2	1703798	1	Decal - Danger/Warning (Ground Control)	
3	1703805	4	Decal - Danger/Electrocution	
4	1703804	4	Decal - Warning Crushing	
11	1702868	2	Decal - No Hands	
13	1001254665	1	Decal - Capacity (Platform)	
14	1001254666	1	Decal - Capacity (Ground Control)	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V-60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	3252347	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705351	1	Decal - Drive/Steer Instructions	
54	1703953	2	Decal - Warning Crushing	
57	1001223055	1	Decal - Yearly Inspection	
58	1001223453	1	Decal - ICES	

SECTION 9 - DECAL

FIGURE 9-2. DECAL INSTALLATION - ANSI, ANSI EXPORT AND CSA SPECS - ENGLISH (460SJ)

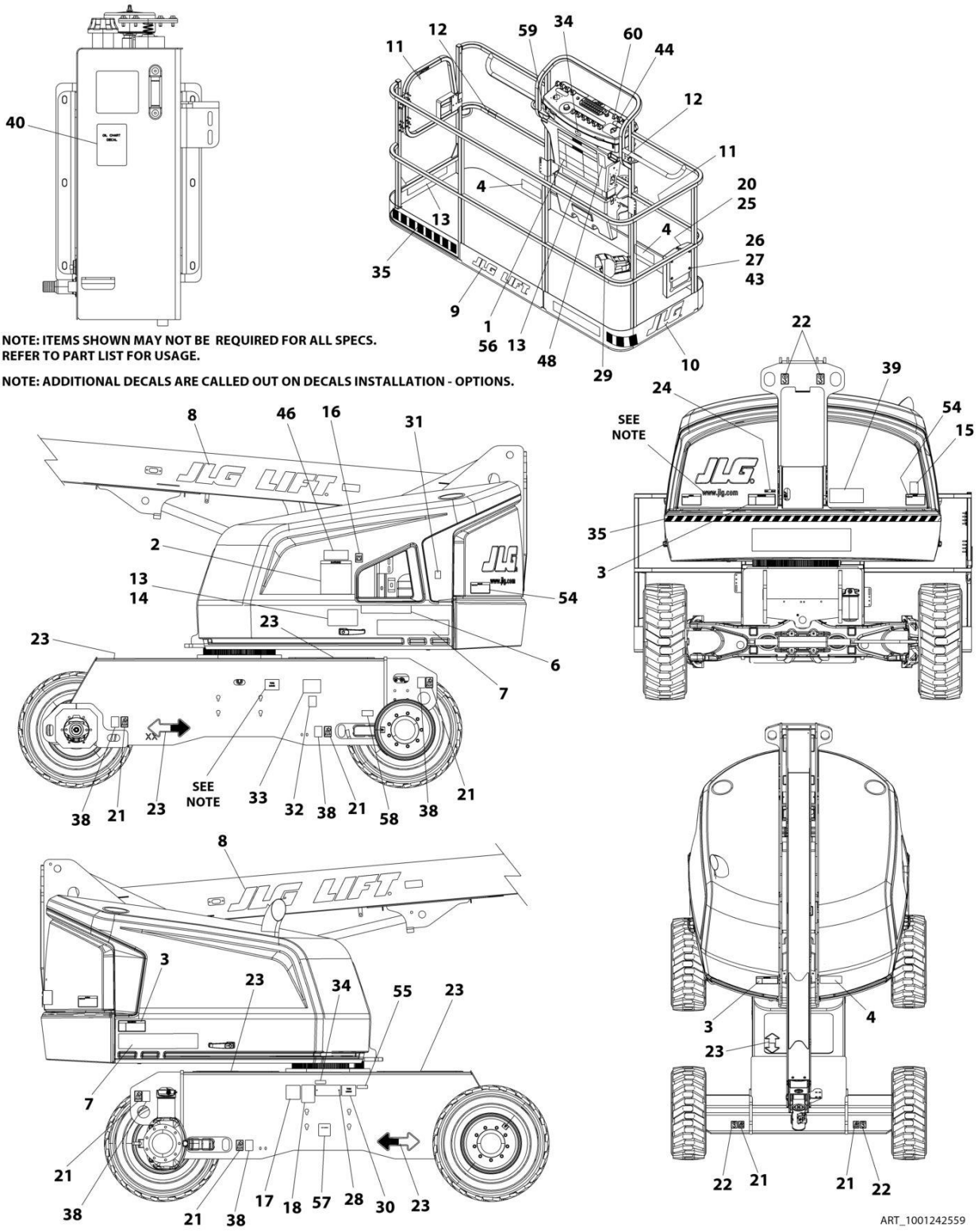


FIGURE 9-2. DECAL INSTALLATION - ANSI, ANSI EXPORT AND CSA SPECS - ENGLISH (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242559	Ref	DECAL INSTALLATION - ENGLISH (460SJ)	E
1	1703797	1	Decal - Danger/Warning (Platform)	
2	1703798	1	Decal - Danger/Warning (Ground Control)	
3	1703805	3	Decal - Danger/Electrocution	
4	1703804	3	Decal - Warning Crushing	
11	1702868	2	Decal - No Hands	
13	1001254750	2	Decal - Warning Dual Capacity (ANSI)	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V-60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	3252347	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705351	1	Decal - Drive/Steer Instructions	
54	1703953	2	Decal - Warning Crushing	
57	1001223055	1	Decal - Yearly Inspection	
58	1001223453	1	Decal - ICES	

SECTION 9 - DECAL

FIGURE 9-3. DECAL INSTALLATION - ANSI AND CSA SPECS - ENGLISH (1K45FT) (460SJ)

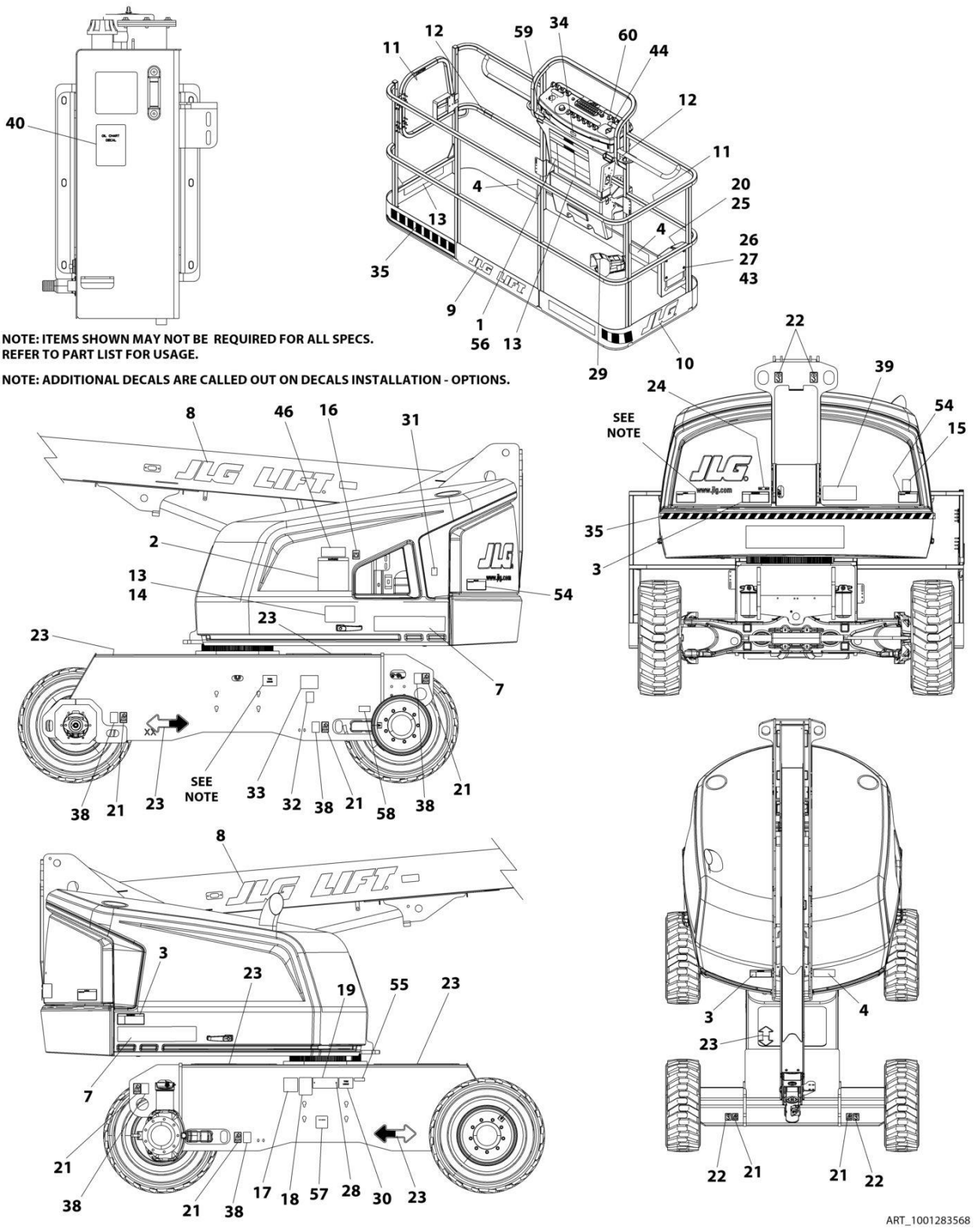


FIGURE 9-3. DECAL INSTALLATION - ANSI AND CSA SPECS - ENGLISH (1K45FT) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001283568	Ref	DECAL INSTALLATION - ENGLISH (460SJ 1K45FT)	B
1	1703797	1	Decal - Danger/Warning (Platform)	
2	1703798	1	Decal - Danger/Warning (Ground Control)	
3	1703805	3	Decal - Danger/Electrocution	
4	1703804	3	Decal - Warning Crushing	
11	1702868	2	Decal - No Hands	
12	1704277	3	Decal - Lanyard Attach	
13	1001283463	1	Decal - Warning Capacity (ANSI)	
14	1001283464	1	Decal - Warning Capacity (ANSI)	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V-60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	3252347	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705351	1	Decal - Drive/Steer Instructions	
54	1703953	2	Decal - Warning Crushing	
57	1001223055	1	Decal - Yearly Inspection	
58	1001223453	1	Decal - ICES	
60	1001184618	1	Decal - Stop & Auxiliary Power	

SECTION 9 - DECAL

FIGURE 9-4. DECAL INSTALLATION - AUSTRALIAN SPEC (460SJ)

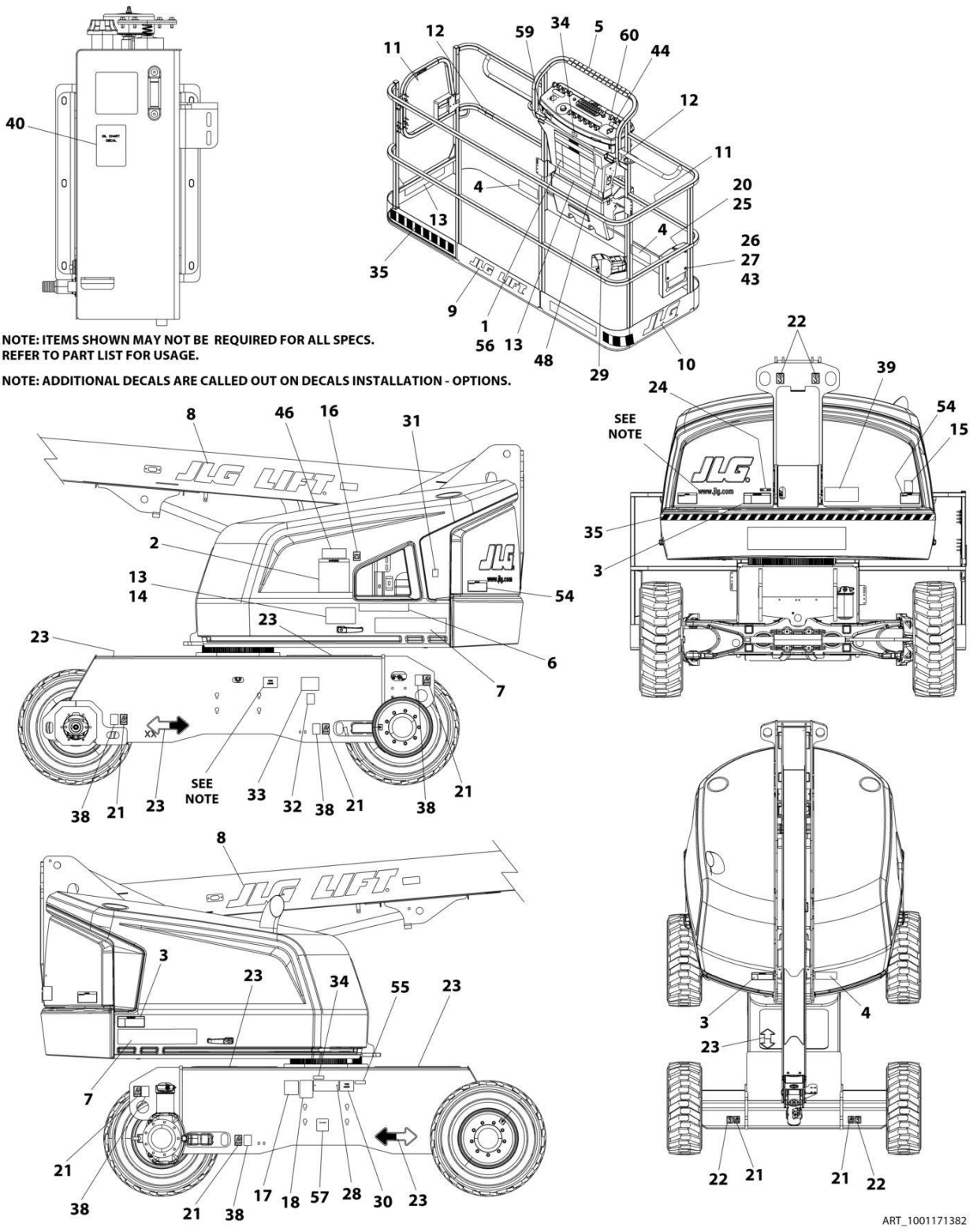
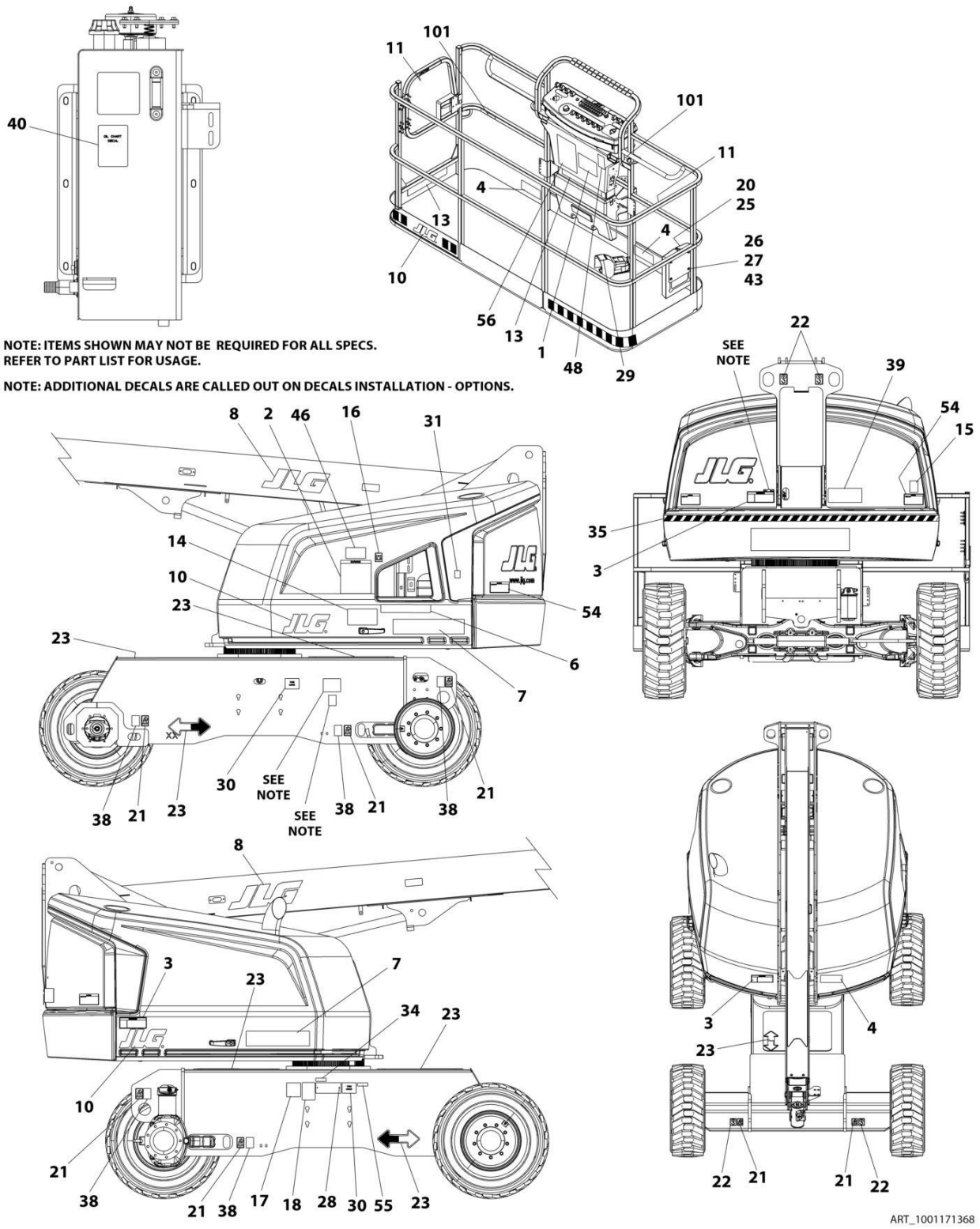


FIGURE 9-4. DECAL INSTALLATION - AUSTRALIAN SPEC (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001171382	Ref	DECAL INSTALLATION - AUSTRALIAN SPEC (460SJ) (460SJ,460SJ,460SJ)	H
1	1705921	1	Decal - Tipping/Electrocution (Platform)	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	3	Decal - Electrocution	
13	1001171339	3	Decal - Capacity (Platform)	
15	1001204510	1	Decal - Sound Power Level	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1705828	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
46	1001112551	1	Decal - Emergency Controls	
54	1701518	5	Decal - Warning Crushing	

SECTION 9 - DECAL

FIGURE 9-5. DECAL INSTALLATION - CE & UK CA SPEC (460SJ)



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

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

FIGURE 9-5. DECAL INSTALLATION - CE & UK CA SPEC (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217488	Ref	DECAL INSTALLATION - REFERENCE CHART (TURNTABLE)	F
	1001171368	Ref	DECAL INSTALLATION - CE & UK CA Spec (460SJ) (460SJ,460SJ)	L
1	1705921	1	Decal - Tipping/Electrocution (Platform)	
2	1705822	1	Decal - Electrocution/Safety Manual	
3	1705961	3	Decal - Electrocution	
8	1001159323	1	Decal - JLG 8 in Black	
10	1702773	1	Decal - JLG 5	
13	1001171339	2	Decal - Capacity (Platform)	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1705828	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
46	1001189882	1	Decal - MSSO	
54	1701518	5	Decal - Warning Crushing	
100	1001232066	1	Decal - Platform Lanyard Kit (Not Shown)	
101	1704277	3	Decal - Attach Lanyard Here	

SECTION 9 - DECAL

FIGURE 9-6. INSTALLATION - BRAZIL SPEC (DUAL LANGUAGE - PORTUGUESE/SPANISH) (400S)

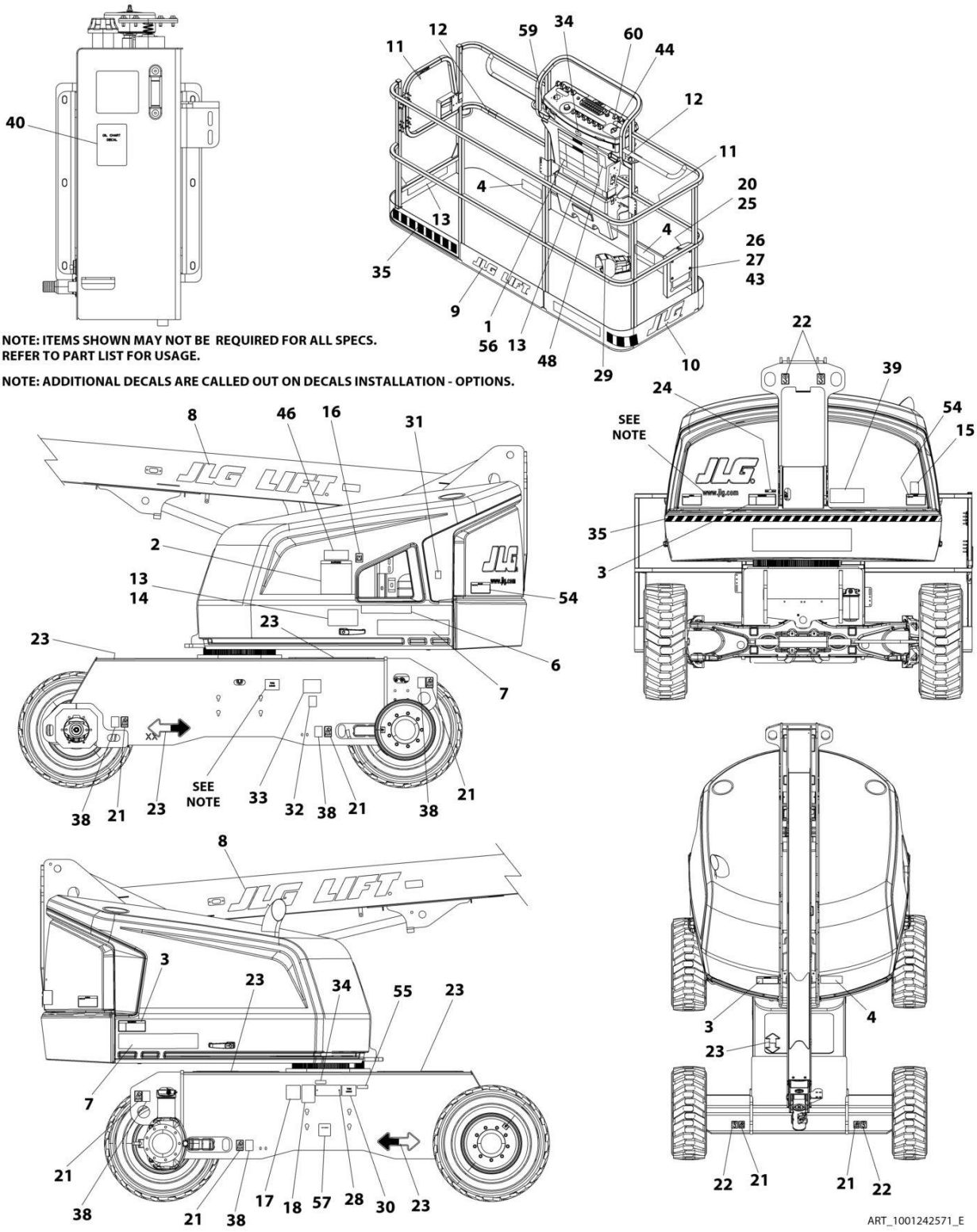


FIGURE 9-6. INSTALLATION - BRAZIL SPEC (DUAL LANGUAGE - PORTUGUESE/SPANISH) (400S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242571	Ref	DECAL INSTALLATION - BRAZIL SPEC (DUAL LANGUAGE - PORTUGUESE/SPANISH) (400S)	E
1	1703928	1	Decal - Danger/Warning (Platform)	
2	1703934	1	Decal - Danger/Warning (Ground Control)	
3	1703940	3	Decal - Danger/Electrocution	
4	1703952	3	Decal - Warning Crushing	
11	1704002	2	Decal - No Hands	
13	1001254673	1	Decal - Warning Dual Capacity	
14	1001254674	1	Decal - Warning Dual Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V-60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703985	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1001113680	1	Decal - Drive/Steer Instruction	
54	1703946	2	Decal - Warning Crushing	
57	1001224052	1	Decal - Yearly Inspection	

SECTION 9 - DECAL

FIGURE 9-7. DECAL INSTALLATION - BRAZIL SPEC (DUAL LANGUAGE - PORTUGUESE/SPANISH) (460SJ)

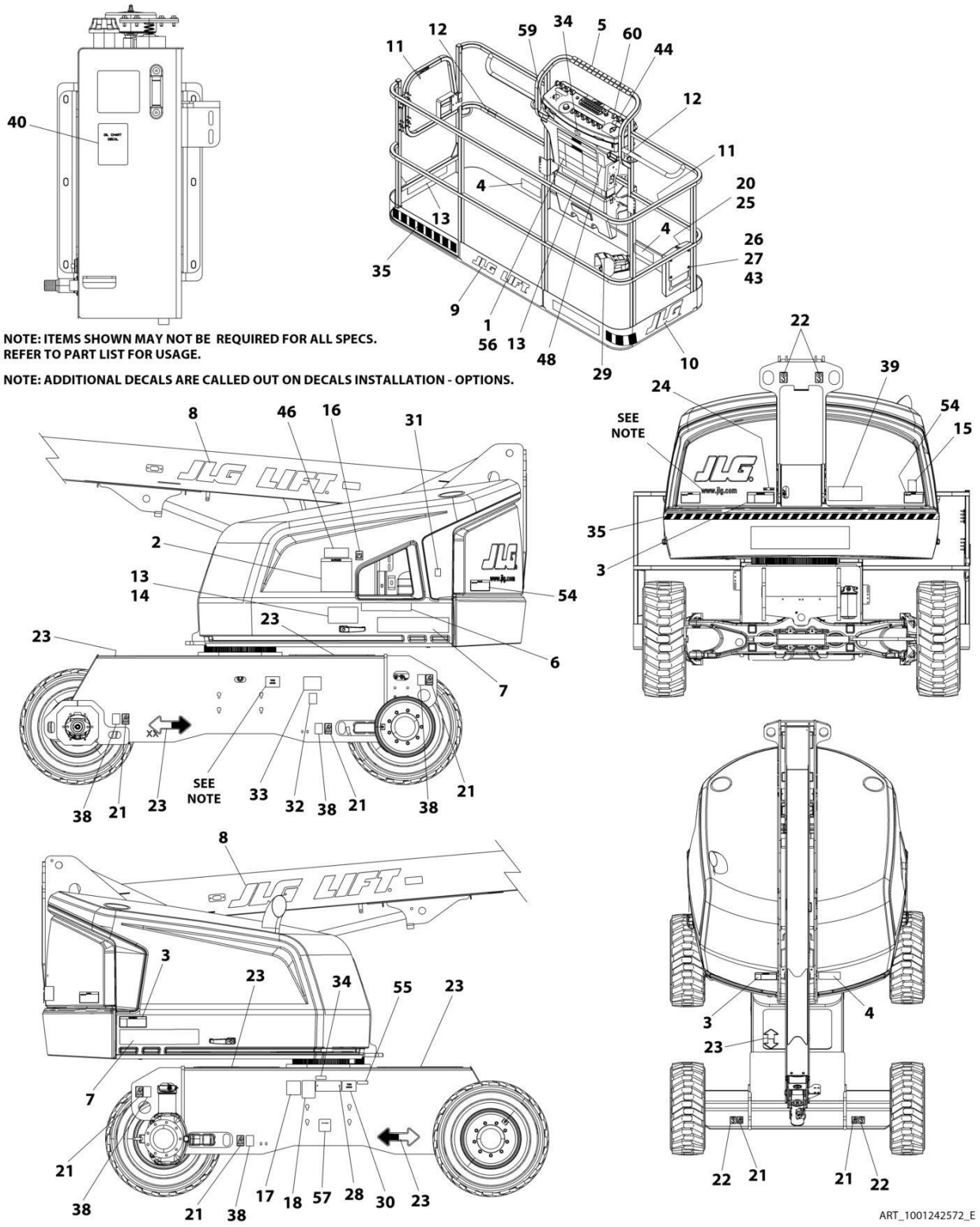


FIGURE 9-7. DECAL INSTALLATION - BRAZIL SPEC (DUAL LANGUAGE - PORTUGUESE/SPANISH) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242572	Ref	DECAL INSTALLATION - BRAZIL SPEC (DUAL LANGUAGE - PORTUGUESE/SPANISH) (460SJ)	E
1	1703928	1	Decal - Danger/Warning (Platform)	
2	1703934	1	Decal - Danger/Warning (Ground Control)	
3	1703940	3	Decal - Danger/Electrocution	
4	1703952	3	Decal - Warning Crushing	
11	1704002	2	Decal - No Hands	
13	1001254754	2	Decal - Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V-60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703985	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1001113680	1	Decal - Drive/Steer Instruction	
54	1703946	2	Decal - Warning Crushing	
57	1001224052	1	Decal - Yearly Inspection	

SECTION 9 - DECAL

FIGURE 9-8. DECAL INSTALLATION - CHINESE SPEC (DUAL LANGUAGE - ENGLISH/CHINESE) (400S)

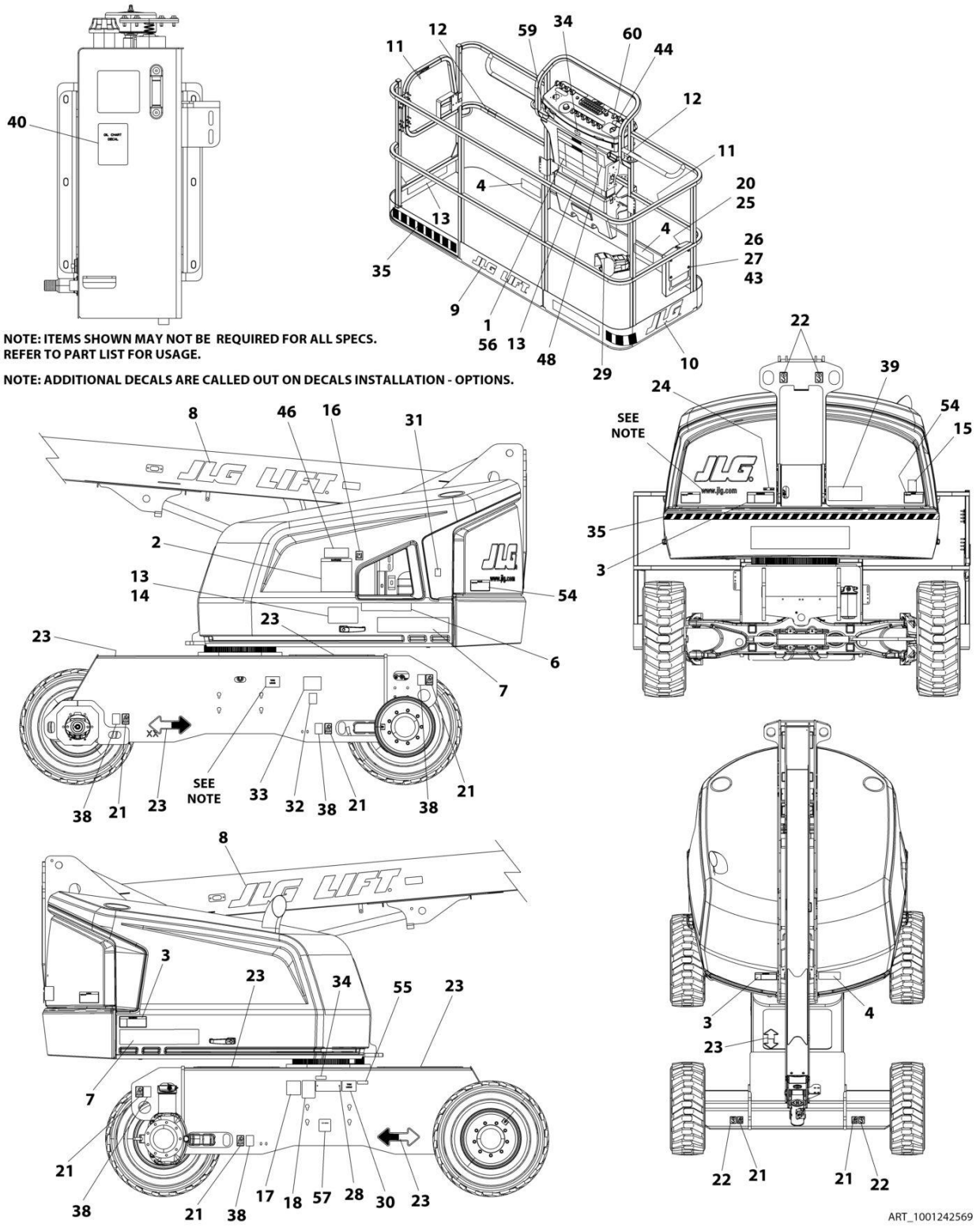


FIGURE 9-8. DECAL INSTALLATION - CHINESE SPEC (DUAL LANGUAGE - ENGLISH/CHINESE) (400S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242569	Ref	DECAL INSTALLATION - CHINESE SPEC (DUAL LANGUAGE - ENGLISH/CHINESE) (400S)	D
1	1703925	1	Decal - Danger/Warning (Platform)	
2	1703931	1	Decal - Danger/Warning (Ground Control)	
3	1703937	3	Decal - Danger/Electrocution	
4	1703949	3	Decal - Warning Crushing	
13	1001254671	1	Decal - Warning Dual Capacity	
14	1001254672	1	Decal - Warning Dual Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703982	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705430	1	Decal - Drive/Steer Instruction	
54	1703943	2	Decal - Warning Crushing	
57	1001224050	1	Decal - Yearly Inspection (Not Shown)	

SECTION 9 - DECAL

FIGURE 9-9. DECAL INSTALLATION - CHINESE SPEC (DUAL LANGUAGE - ENGLISH/CHINESE) (460SJ)

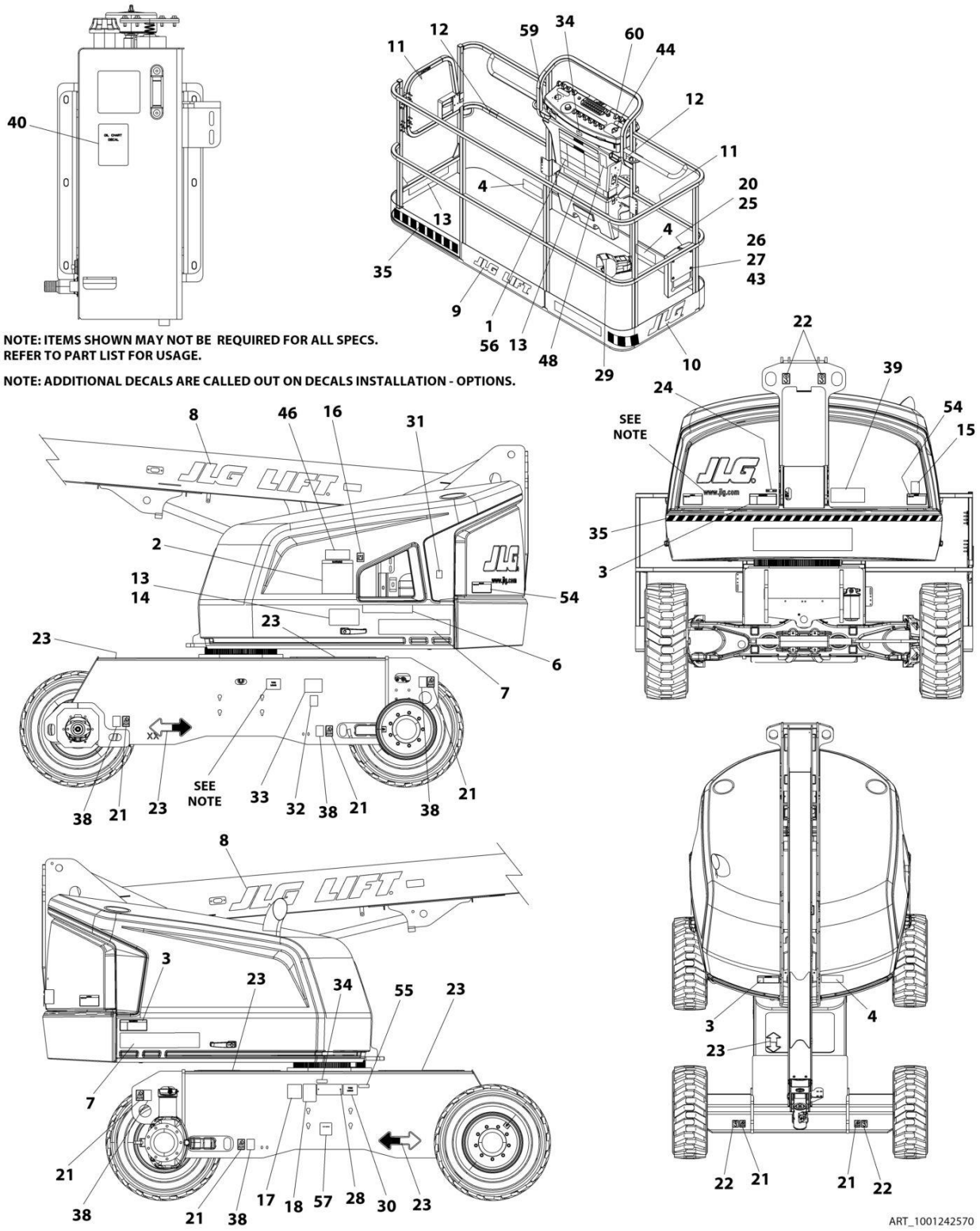


FIGURE 9-9. DECAL INSTALLATION - CHINESE SPEC (DUAL LANGUAGE - ENGLISH/CHINESE) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242570	Ref	DECAL INSTALLATION - CHINESE SPEC (DUAL LANGUAGE - ENGLISH/CHINESE) (460SJ)	D
1	1703925	1	Decal - Danger/Warning (Platform)	
2	1703931	1	Decal - Danger/Warning (Ground Control)	
3	1703937	3	Decal - Danger/Electrocution	
4	1703949	3	Decal - Warning Crushing	
13	1001254753	2	Decal - Warning Dual Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703982	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705430	1	Decal - Drive/Steer Instruction	
54	1703943	2	Decal - Warning Crushing	
57	1001224050	1	Decal - Yearly Inspection (Not Shown)	

SECTION 9 - DECAL

FIGURE 9-10. DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (400S)

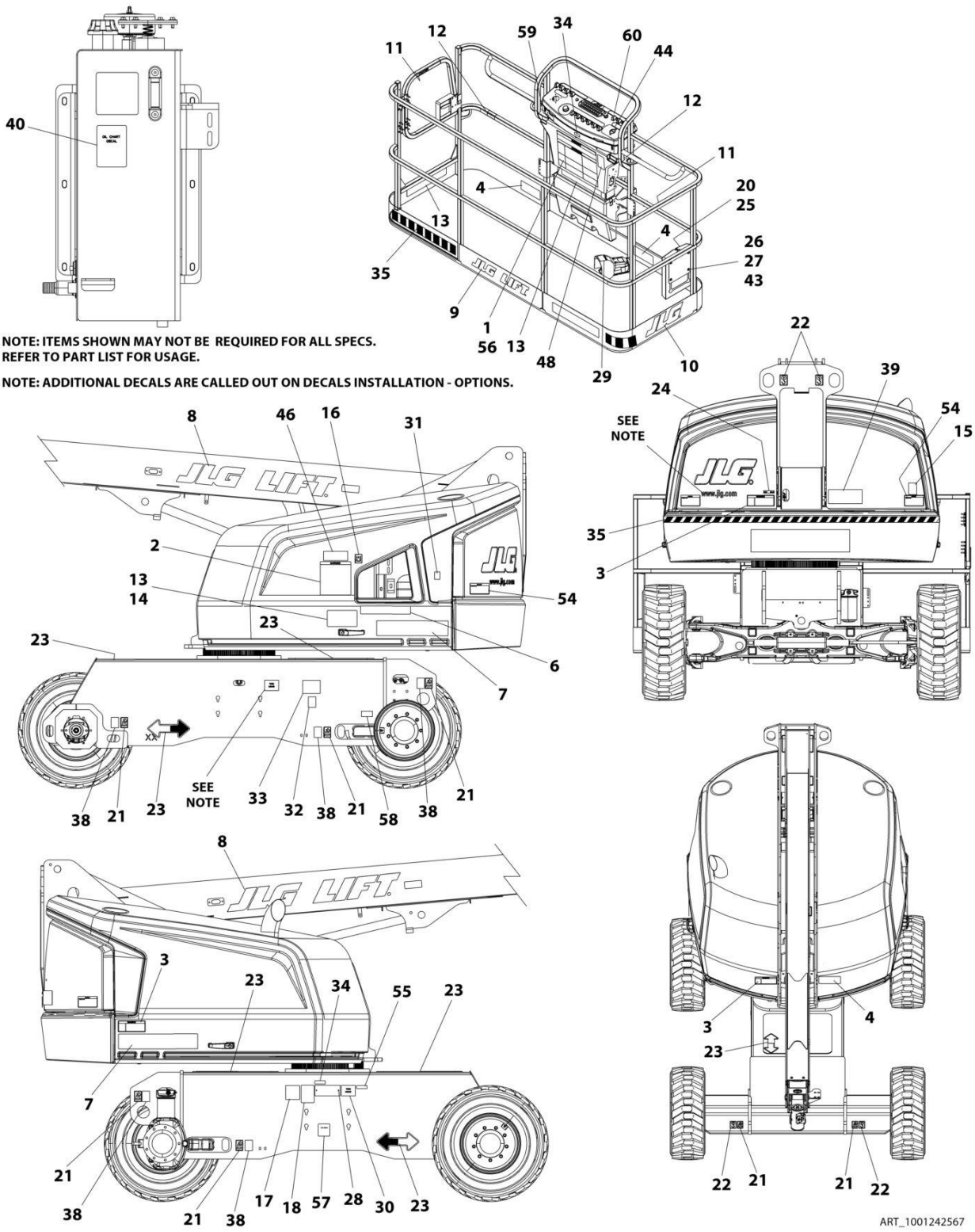


FIGURE 9-10. DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (400S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242567	Ref	DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (400S)	E
1	1703924	1	Decal - Danger/Warning (Platform)	
2	1703930	1	Decal - Danger/Warning (Ground Control)	
3	1703936	3	Decal - Danger/Electrocution	
4	1703948	3	Decal - Warning Crushing	
11	1704000	2	Decal - No Hands	
13	1001254667	1	Decal - Warning Dual Capacity	
14	1001254668	1	Decal - Warning Dual Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V-60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703984	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705429	1	Decal - Drive/Steer Instruction	
54	1703942	2	Decal - Warning Crushing	
57	1001223971	1	Decal - Yearly Inspection (Not Shown)	
58	1001223453	1	Decal - ICES	

SECTION 9 - DECAL

FIGURE 9-11. DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (460SJ)

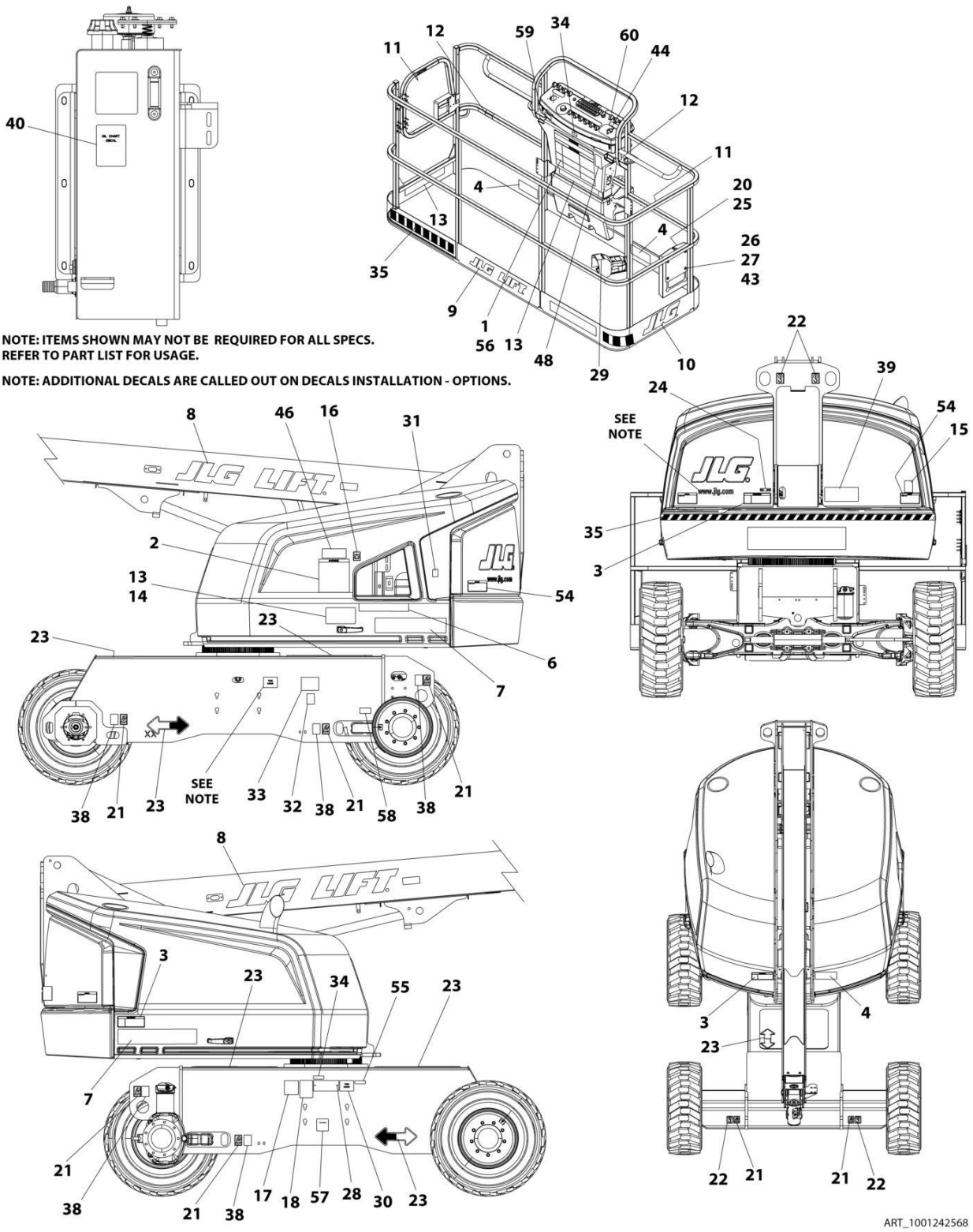


FIGURE 9-11. DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242568	Ref	DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (460SJ)	E
1	1703924	1	Decal - Danger/Warning (Platform)	
2	1703930	1	Decal - Danger/Warning (Ground Control)	
3	1703936	3	Decal - Danger/Electrocution	
4	1703948	3	Decal - Warning Crushing	
11	1704000	2	Decal - No Hands	
13	1001254751	2	Decal - Warning Dual Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V-60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703984	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705429	1	Decal - Drive/Steer Instruction	
54	1703942	2	Decal - Warning Crushing	
57	1001223971	1	Decal - Yearly Inspection (Not Shown)	
58	1001223453	1	Decal - ICES	

SECTION 9 - DECAL

FIGURE 9-12. DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (1K45FT) (460SJ)

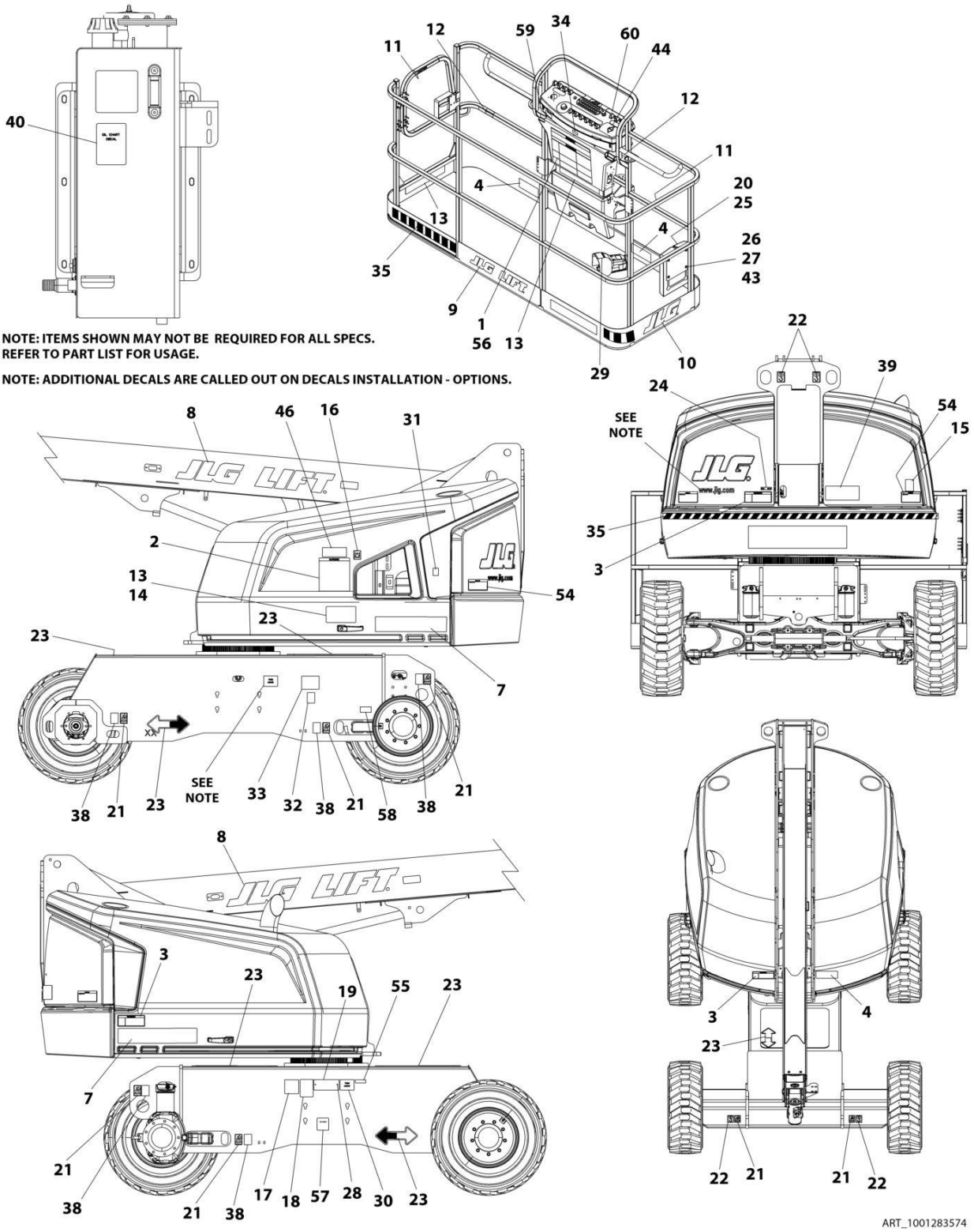


FIGURE 9-12. DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (1K45FT) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001283574	Ref	DECAL INSTALLATION - CSA SPEC (DUAL LANGUAGE - ENGLISH/FRENCH) (460SJ 1K45FT)	B
1	1703924	1	Decal - Danger/Warning (Platform)	
2	1703930	1	Decal - Danger/Warning (Ground Control)	
3	1703936	3	Decal - Danger/Electrocution	
4	1703948	3	Decal - Warning Crushing	
11	1704000	2	Decal - No Hands	
12	1704277	3	Decal - Lanyard	
13	1001283471	1	Decal - Warning Capacity	
14	1001283472	1	Decal - Warning Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
18	1001131269	1	Decal - Patent	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V-60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703984	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt 1/4 x 3/4	
44	1705429	1	Decal - Drive/Steer Instruction	
54	1703942	2	Decal - Warning Crushing	
57	1001223971	1	Decal - Yearly Inspection (Not Shown)	
58	1001223453	1	Decal - ICES	
60	1001184618	1	Decal - Stop & Auxiliary Power	

SECTION 9 - DECAL

FIGURE 9-13. DECAL INSTALLATION - JAPANESE SPEC (DUAL LANGUAGE - ENGLISH/JAPANESE) (400S)

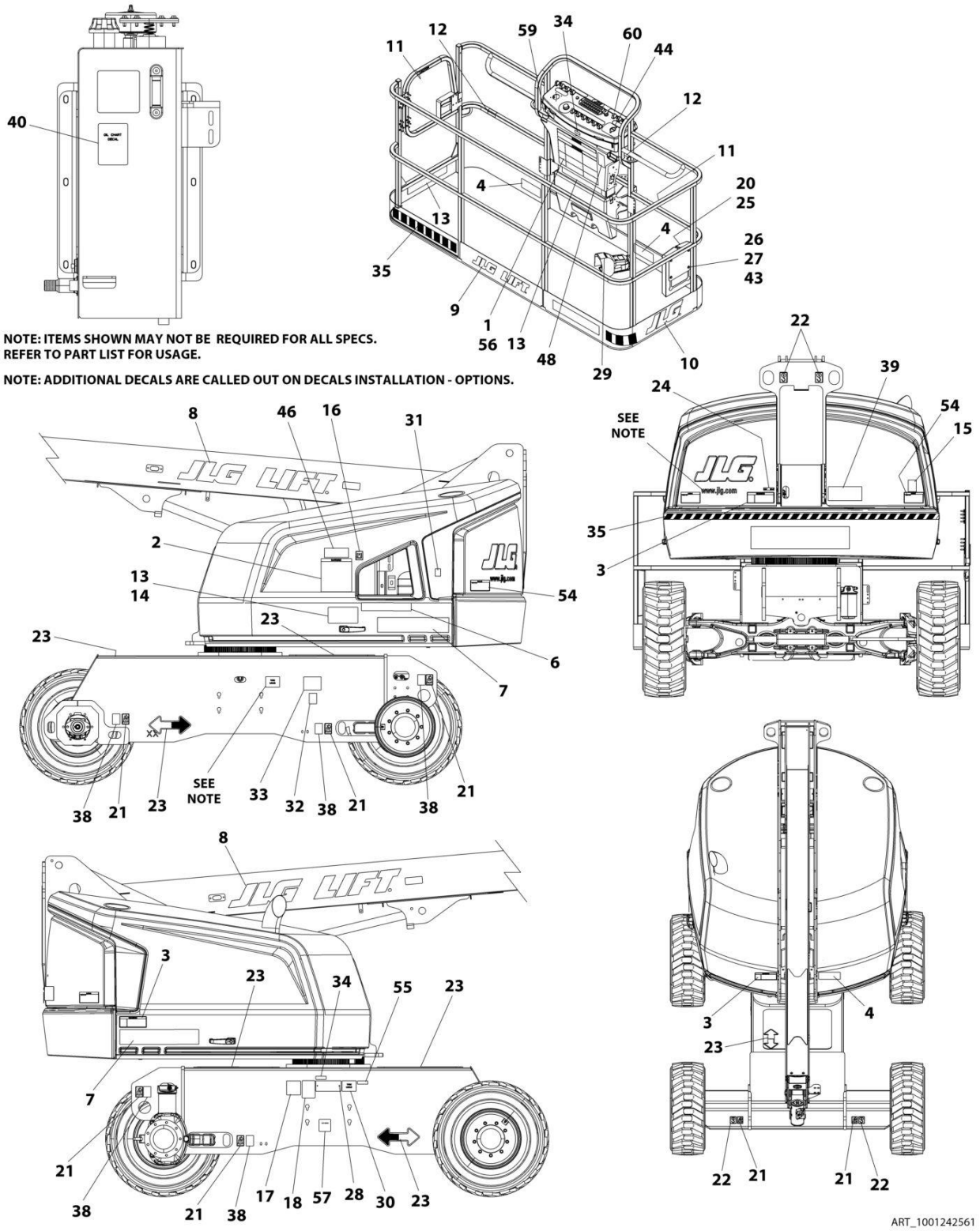


FIGURE 9-13. DECAL INSTALLATION - JAPANESE SPEC (DUAL LANGUAGE - ENGLISH/JAPANESE) (400S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242561	Ref	DECAL INSTALLATION - JAPANESE SPEC (DUAL LANGUAGE - ENGLISH/JAPANESE) (400S)	D
1	1703926	1	Decal - Danger/Warning (Platform)	
2	1703932	1	Decal - Danger/Warning (Ground Control)	
3	1703938	3	Decal - Danger/Electrocution	
4	1703950	3	Decal - Warning Crushing	
13	1001254677	1	Decal - Warning Dual Capacity	
14	1001254678	1	Decal - Warning Dual Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703980	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705426	1	Decal - Drive/Steer Instruction	
54	1703944	2	Decal - Warning Crushing	
57	1001224053	1	Decal - Yearly Inspection (Not Shown)	

SECTION 9 - DECAL

FIGURE 9-14. DECAL INSTALLATION - JAPANESE SPEC (DUAL LANGUAGE - ENGLISH/JAPANESE) (460SJ)

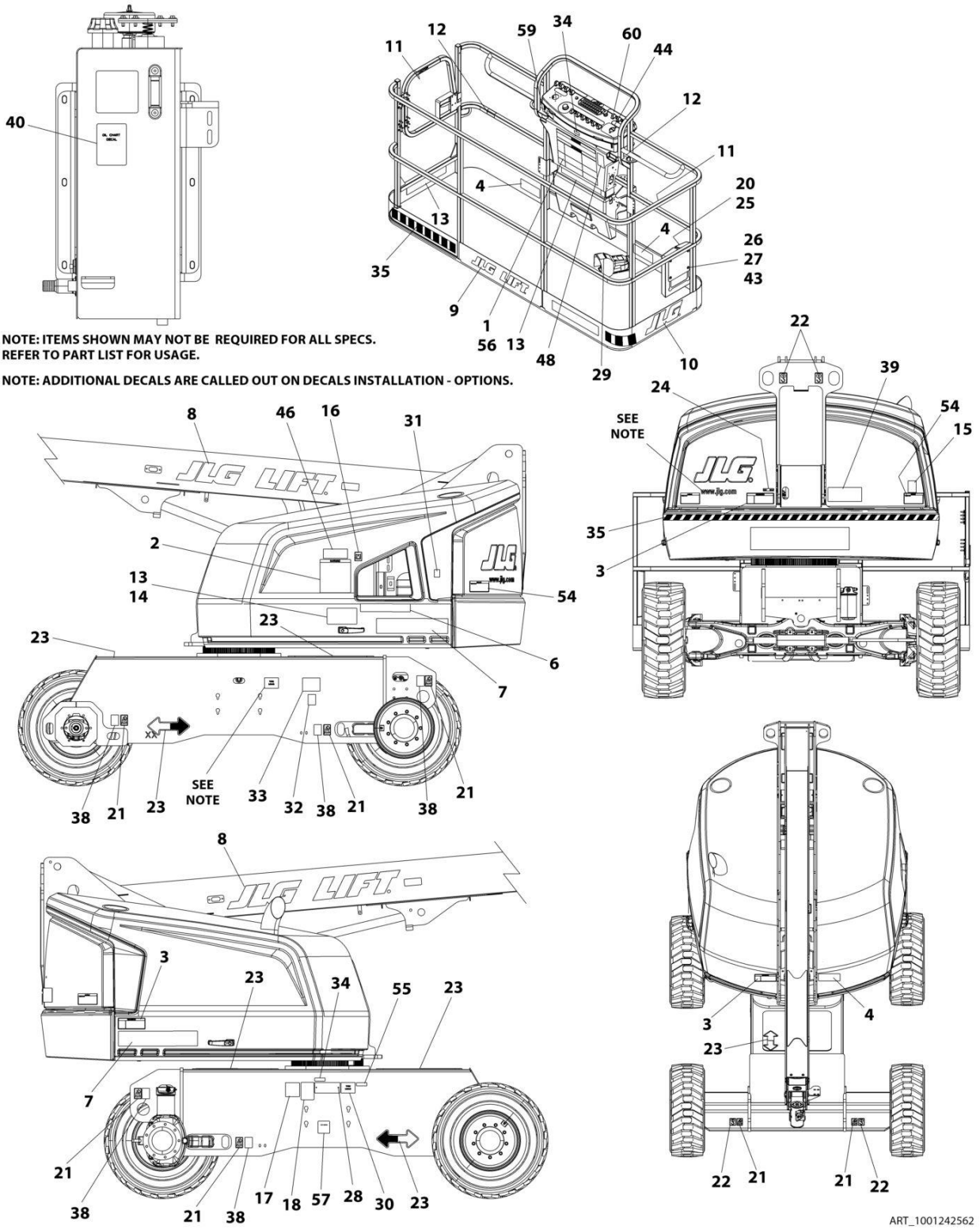


FIGURE 9-14. DECAL INSTALLATION - JAPANESE SPEC (DUAL LANGUAGE - ENGLISH/JAPANESE) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242562	Ref	DECAL INSTALLATION - JAPANESE SPEC (DUAL LANGUAGE - ENGLISH/JAPANESE) (460SJ)	D
1	1703926	1	Decal - Danger/Warning (Platform)	
2	1703932	1	Decal - Danger/Warning (Ground Control)	
3	1703938	3	Decal - Danger/Electrocution	
4	1703950	3	Decal - Warning Crushing	
13	1001254756	2	Decal - Warning Dual Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703980	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705426	1	Decal - Drive/Steer Instruction	
54	1703944	2	Decal - Warning Crushing	
57	1001224053	1	Decal - Yearly Inspection (Not Shown)	

SECTION 9 - DECAL

FIGURE 9-15. DECAL INSTALLATION - KOREAN SPEC (DUAL LANGUAGE - ENGLISH/KOREAN) (400S)

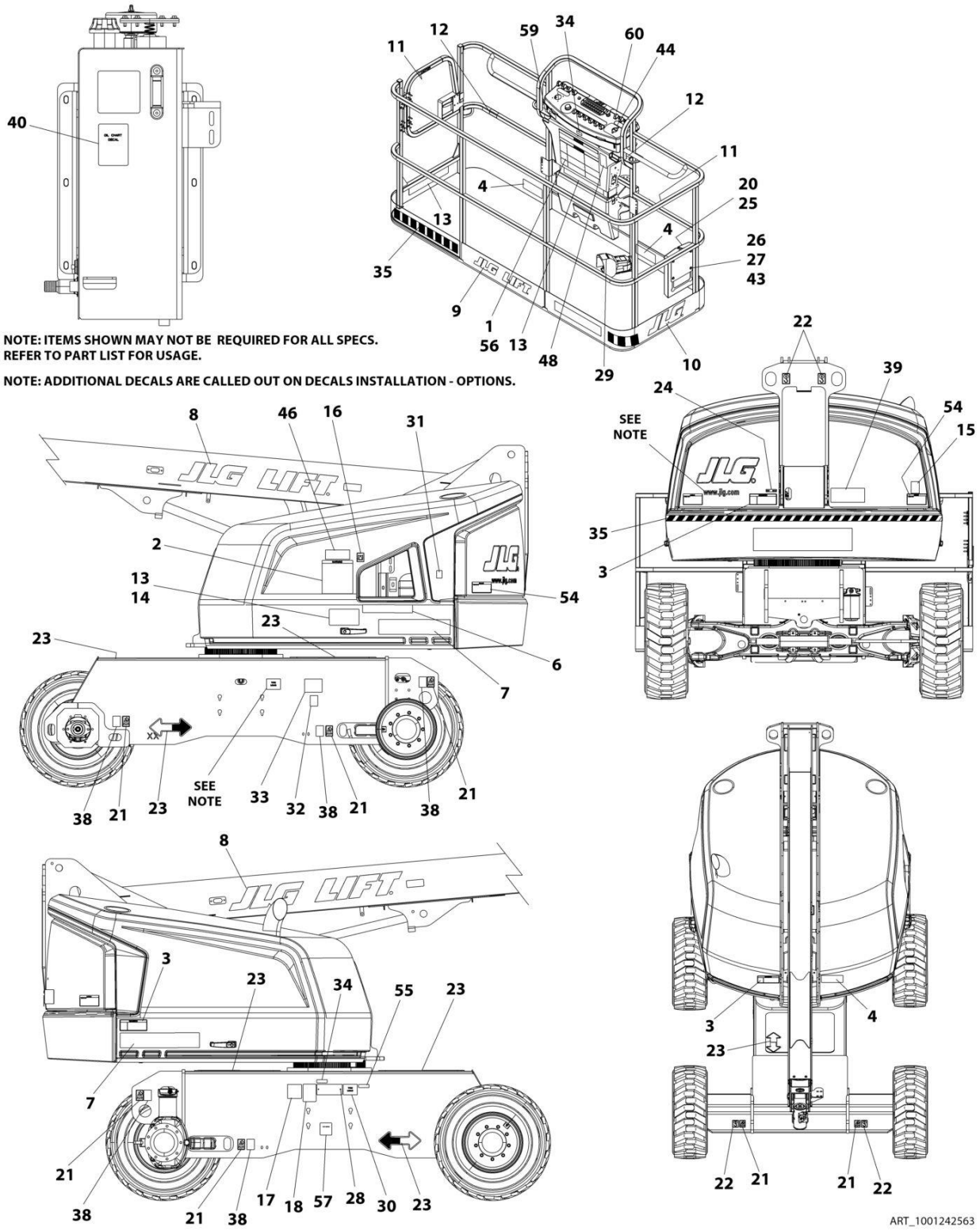


FIGURE 9-15. DECAL INSTALLATION - KOREAN SPEC (DUAL LANGUAGE - ENGLISH/KOREAN) (400S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242563	Ref	DECAL INSTALLATION - KOREAN SPEC (DUAL LANGUAGE - ENGLISH/KOREAN) (400S)	D
1	1703927	1	Decal - Danger/Warning (Platform)	
2	1703933	1	Decal - Danger/Warning (Ground Control)	
3	1703939	3	Decal - Danger/Electrocution	
4	1703951	3	Decal - Warning Crushing	
13	1001254669	1	Decal - Warning Dual Capacity	
14	1001254670	1	Decal - Warning Dual Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703981	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705427	1	Decal - Drive/Steer Instruction	
54	1703945	2	Decal - Warning Crushing	
57	1001224048	1	Decal - Yearly Inspection (Not Shown)	

SECTION 9 - DECAL

FIGURE 9-16. DECAL INSTALLATION - KOREAN SPEC (DUAL LANGUAGE - ENGLISH/KOREAN) (460SJ)

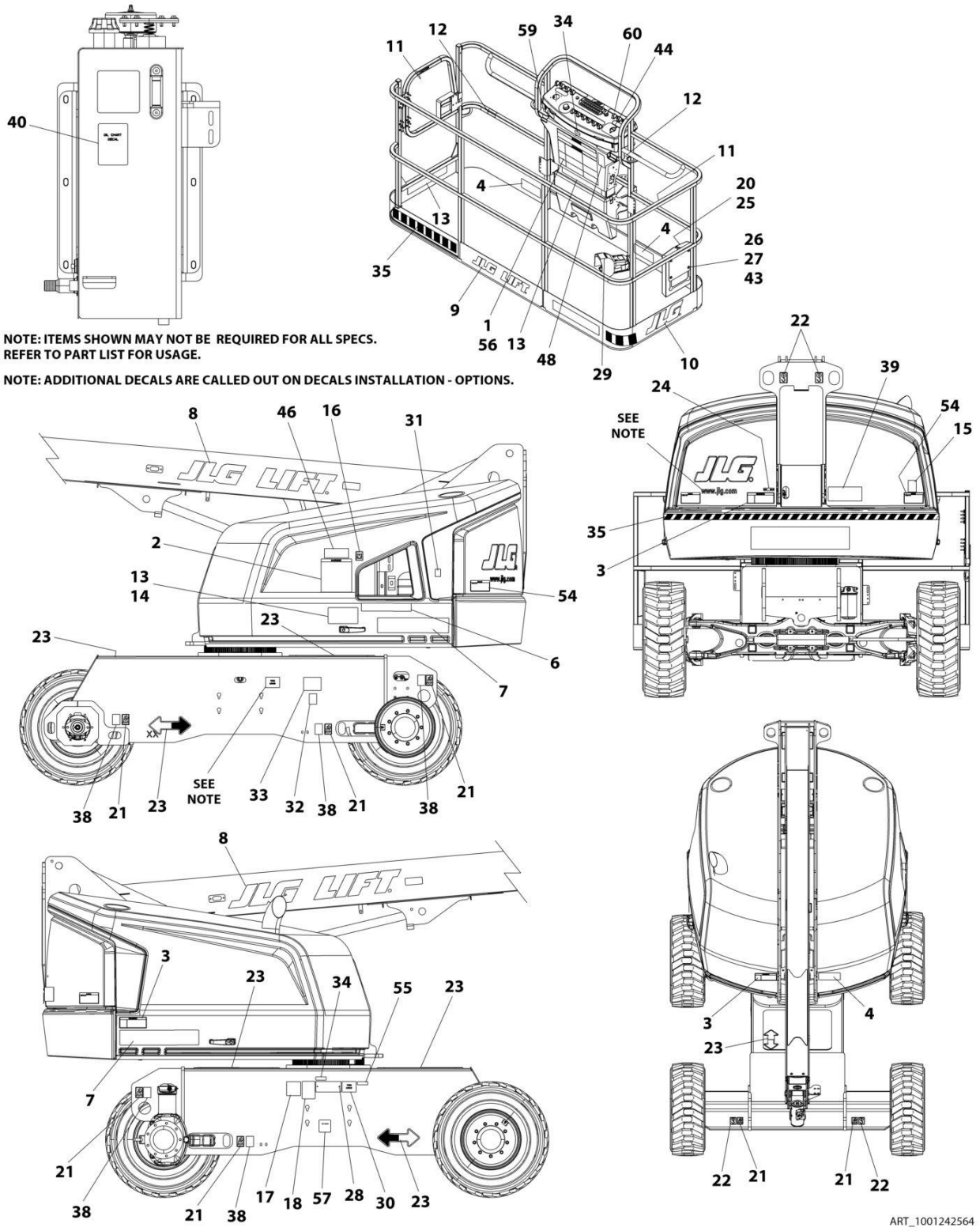


FIGURE 9-16. DECAL INSTALLATION - KOREAN SPEC (DUAL LANGUAGE - ENGLISH/KOREAN) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	K
	1001242564	Ref	DECAL INSTALLATION - KOREAN SPEC (DUAL LANGUAGE - ENGLISH/KOREAN) (460SJ)	D
1	1703927	1	Decal - Danger/Warning (Platform)	
2	1703933	1	Decal - Danger/Warning (Ground Control)	
3	1703939	3	Decal - Danger/Electrocution	
4	1703951	3	Decal - Warning Crushing	
13	1001254752	2	Decal - Warning Dual Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703981	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705427	1	Decal - Drive/Steer Instruction	
54	1703945	2	Decal - Warning Crushing	
57	1001224048	1	Decal - Yearly Inspection (Not Shown)	

SECTION 9 - DECAL

FIGURE 9-17. DECAL INSTALLATION - LATIN AMERICAN SPEC (DUAL LANGUAGE - ENGLISH/SPANISH) (400S)

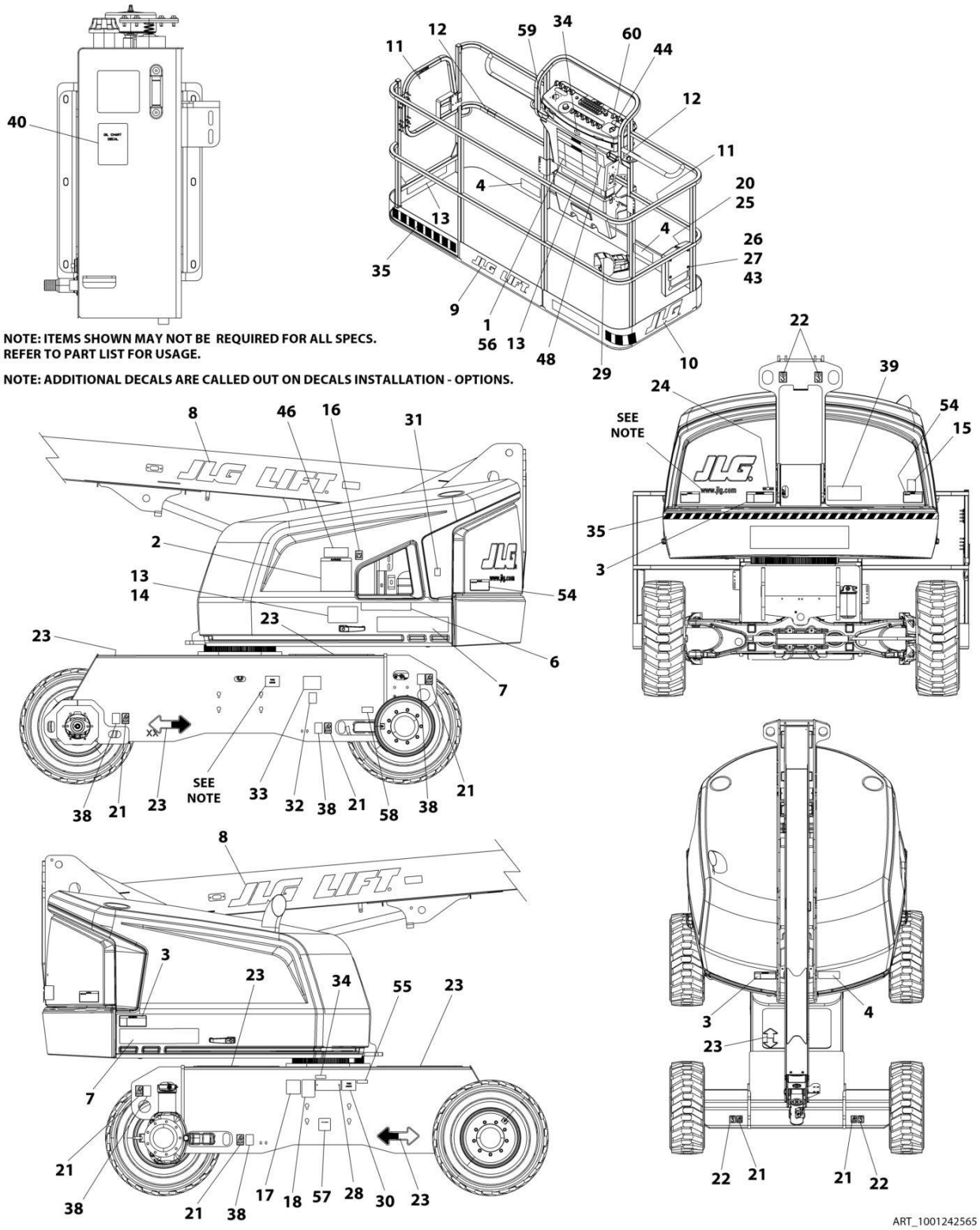


FIGURE 9-17. DECAL INSTALLATION - LATIN AMERICAN SPEC (DUAL LANGUAGE - ENGLISH/SPANISH) (400S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242565	Ref	DECAL INSTALLATION - LATIN AMERICAN SPEC (DUAL LANGUAGE - ENGLISH/SPANISH) (400S)	D
1	1703923	1	Decal - Danger/Warning (Platform)	
2	1703929	1	Decal - Danger/Warning (Ground Control)	
3	1703935	3	Decal - Danger/Electrocution	
4	1703947	3	Decal - Warning Crushing	
11	1704001	2	Decal - No Hands	
13	1001254675	2	Decal - Warning Dual Capacity	
14	1001254676	1	Decal - Warning Dual Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V-60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703983	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705910	1	Decal - Drive/Steer Instruction	
54	1703941	2	Decal - Warning Crushing	
57	1001224049	1	Decal - Yearly Inspection (Not Shown)	
58	1001223453	1	Decal - ICES	

SECTION 9 - DECAL

FIGURE 9-18. DECAL INSTALLATION - LATIN AMERICAN SPEC (DUAL LANGUAGE - ENGLISH/SPANISH) (460SJ)

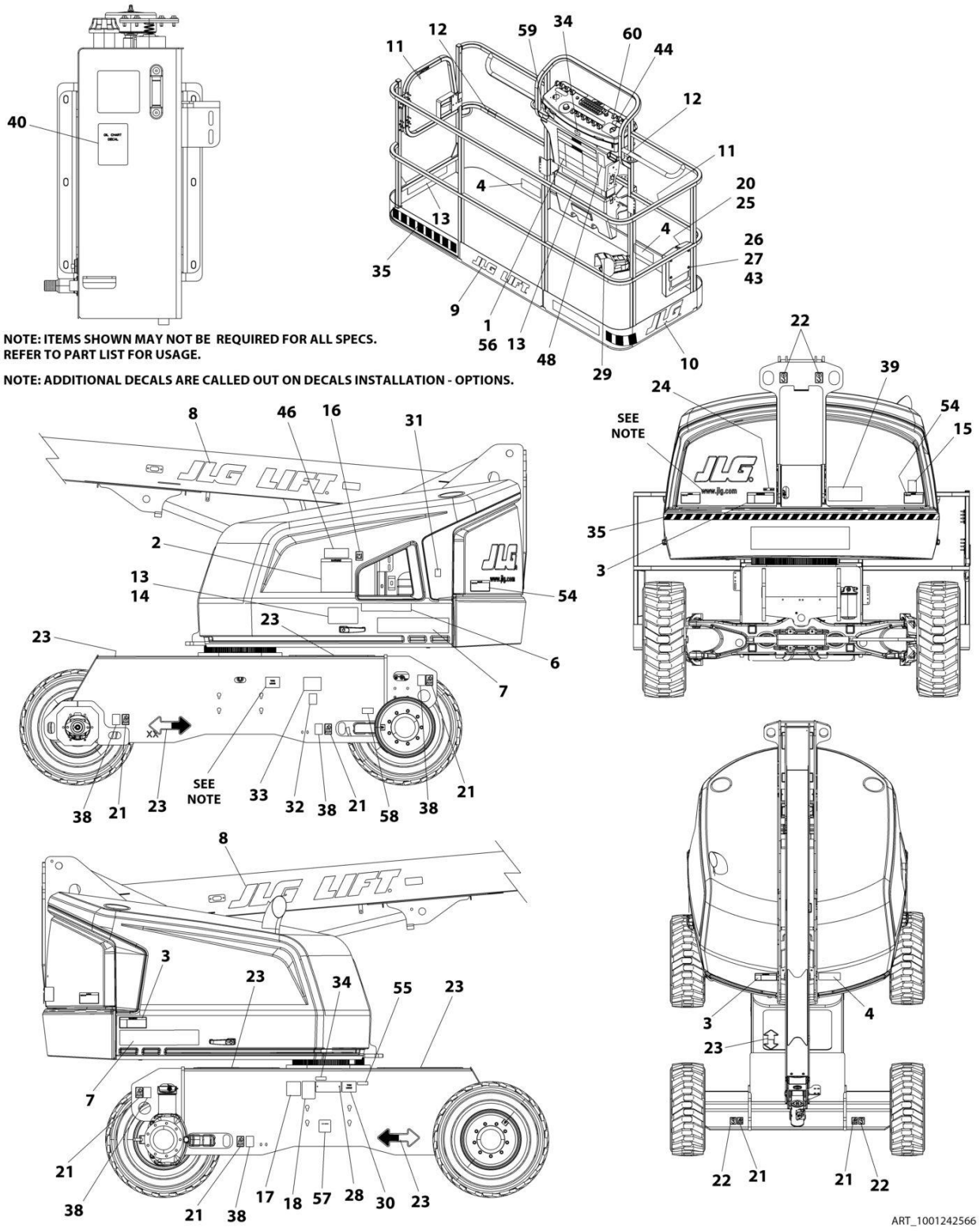


FIGURE 9-18. DECAL INSTALLATION - LATIN AMERICAN SPEC (DUAL LANGUAGE - ENGLISH/SPANISH) (460SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	J
	1001242566	Ref	DECAL INSTALLATION - LATIN AMERICAN SPEC (DUAL LANGUAGE - ENGLISH/SPANISH) (460SJ)	D
1	1703923	1	Decal - Danger/Warning (Platform)	
2	1703929	1	Decal - Danger/Warning (Ground Control)	
3	1703935	3	Decal - Danger/Electrocution	
4	1703947	3	Decal - Warning Crushing	
11	1704001	2	Decal - No Hands	
13	1001254755	2	Decal - Warning Dual Capacity	
16	1701504	1	Decal - Hydraulic Oil	
17	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1701509	1	Decal - Manual	
21	1702300	8	Decal - Tie Down	
22	1701500	4	Decal - Lift	
23	1701529	4	Decal - Arrow	
24	3251243	1	Nameplate - 120V-60Hz	
25	0860520	1	Box, Manual Storage	
26	4751400	4	Washer, 1/4	
27	3311405	4	Nut, Lock 1/4	
28	3820001	2	Rivet	
29	1703983	1	Decal - Footswitch	
38	1701499	6	Decal - No Lift	
40	1704412	1	Decal - Hydraulic Oil Chart	
43	0641406	4	Bolt, 1/4 x 3/4	
44	1705910	1	Decal - Drive/Steer Instruction	
54	1703941	2	Decal - Warning Crushing	
57	1001224049	1	Decal - Yearly Inspection (Not Shown)	
58	1001223453	1	Decal - ICES	

FIGURE 9-19. DECAL INSTALLATION - OPTIONS

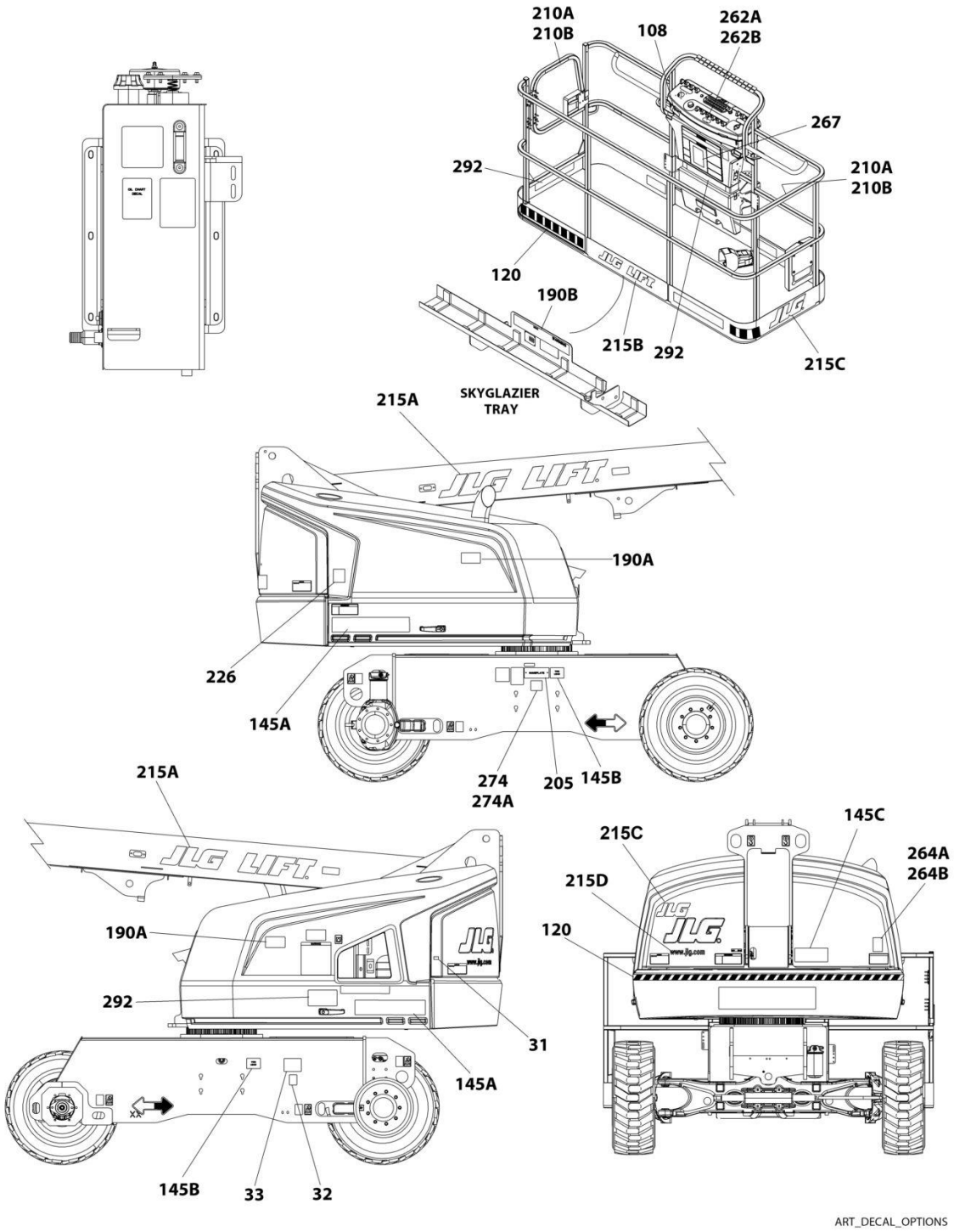


FIGURE 9-19. DECAL INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250764	Ref	DECAL INSTALLATION - REFERENCE CHART	I
	1001245658	Ref	DECAL INSTALLATION - OPTIONS	AA
31	1701505	1	Decal - Diesel Fuel	
31	1701542	1	Decal - Gas	
32	1701543	1	Decal - LPG	
33	1700818	1	Decal - LP Gas Liquid Withdrawal System (ANSI and CSA Spec)	
33	1704271	1	Decal - LP Gas Liquid Withdrawal System (CSA Spec)	
33	1702720	1	Decal - LP Gas Liquid Withdrawal System (ANSI Export and China Specs)	
33	1001119661	1	Decal - LP Gas Liquid Withdrawal System (ANSI, ANSI Export and China Specs)	
108	1001231801	1	Decal - Proposition 65 (Diesel Machines) (Machines with SN Starting with 03)	
120	1001178415	Ref	Warning Strip Installation (Not Shown)	A
120	4420051	14.5 ft /4.42m	Tape, Safety	
145	1001174349	Ref	Decal - Model Designation (400S) (Not Shown)	D
145	1001174350	Ref	Decal - Model Designation (460SJ) (Not Shown)	D
145	1001285932	Ref	Decal - Model Designation (460SJ 1K45FT) (Not Shown)	C
145A	1001267304	2	Decal - 400S	
145A	1001267305	2	Decal - 460SJ	
145B	1001195745	2	Decal - Max Tire Load (400S) (400S,400S)	
145B	1001195746	2	Decal - Max Tire Load (460SJ) (460SJ,460SJ)	
145B	1001285931	1	Decal - Max Tire Load (460SJ 1K45FT)	
145C	1001284678	1	Decal - Lift Diagram	
145D	1001289752	3	Decal - 1K 45FT (5IN)	
145E	1001289753	2	Decal - 1K 45FT (7IN)	
190	1001172570	Ref	Decal - SkyGlazier Installation (ANSI and CSA Specs) (English Decals)	C
190	1001172571	Ref	Decal - SkyGlazier Installation (ANSI Export Specs) (Spanish Decals)	B
190	1001172572	Ref	Decal - SkyGlazier Installation (ANSI Export Specs) (Portuguese Decals)	B
190	1001172620	Ref	Decal - SkyGlazier Installation (Australian Specs) (Australian Decals)	C
190A	1705358	2	Decal - SkyGlazier	
190B	1001199035	2	Decal - SkyGlazier Capacity (ANSI and CSA Specs) (English)	
190B	1001172564	2	Decal - SkyGlazier Capacity (ANSI Export Specs) (Spanish)	
190B	1001172565	2	Decal - SkyGlazier Capacity (ANSI Export Specs) (Portuguese)	
190B	1001199036	2	Decal - SkyGlazier Capacity (Australian Specs) (Australian)	
205	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
210A	1702868	2	Decal - No Hands	
210B	1704000	2	Decal - No Hands	
215	1001178433	Ref	Decal Installation - JLG Logo - 400S & 460SJ (Not Shown) (All Specs except Australian, CE & UK CA Specs)	A
215A	1702861	2	Decal - JLG LIFT (8IN)	
215B	1702774	1	Decal - JLG LIFT (3-1/2IN)	
215C	1702773	1	Decal - JLG	
215D	1704885	1	Decal - Website	
215	1001243700	Ref	Decal Installation - JLG Logo - 400S & 460SJ (Not Shown) (Australian Specs)	
215A	1702861	2	Decal - JLG LIFT (8IN)	

SECTION 9 - DECAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
215B	1702774	1	Decal - JLG LIFT (3-1/2IN)	
215C	1702773	2	Decal - JLG	
215D	1704885	1	Decal - Website	
215	1001243699	Ref	Decal Installation - JLG Logo - 400S & 460SJ (Not Shown) (CE & UK CA Specs)	
215C	1702773	1	Decal - JLG	
215	1001290331	Ref	Decal Installation - JLG Logo - 460SJ 1K45FT (Not Shown) (CSA Specs)	
215A	1702861	2	Decal - JLG LIFT	
215B	1702773	1	Decal - JLG	
215C	1704885	1	Decal - Website	
226		Ref	Decal - Warning Explosion/Fire (Diesel Machines Only)	
226	1704972	1	Decal - Warning Explosion/Fire (ANSI and CSA Spec)	
226	1706064	1	Decal - Warning Explosion/Fire (CSA Spec - Dual Language English/French)	
226	1706098	1	Decal - Warning Explosion/Fire (Australian, CE & UK CA Specs)	
226	1706059	1	Decal - Warning Explosion/Fire (Brazil Spec - Dual Language English/Portuguese)	
226	1706060	1	Decal - Warning Explosion/Fire (Chinese Spec - Dual Language English/Chinese)	
226	1706061	1	Decal - Warning Explosion/Fire (Korean Spec - Dual Language English/Korean)	
226	1706062	1	Decal - Warning Explosion/Fire (Japanese Spec - Dual Language English/Japanese)	
226	1706063	1	Decal - Warning Explosion/Fire (Latin American - Dual Language English/Spanish)	
245	1001178435	1	Decal Installation - ClearSky	
245A	1001116208	2	Decal - ClearSky	
245B	1001120989	1	Decal - Radio Frequency	
245	1001294763	Ref	Clearsky Smart Fleet Decal Installation	
245A	1001120989	1	Decal - Radio Frequency	
245B	1001294815	1	Decal - ClearSky	
253	1001143852	1	Decal - Emission Compliance (Machines with Diesel Engines) (ANSI Export, Australian, CE, China & UK CA Specs) (Not Shown)	
262A	1001141300	Ref	Decal - SkyGuard Override	
262B	1001141302	Ref	Decal - SkyGuard/Soft Touch Override	
264A	1001204510	Ref	Decal - Sound Power Level - 102Db	
264B	1001130492	Ref	Decal - Sound Power Level - 105Db	
267	1001200128	Ref	Decal - Quick Start Guide (CE & UK CA Spec) (French Decal) (For LOXAM Rentals Only)	
267	1001200129	Ref	Decal - Quick Start Guide (CE & UK CA Spec) (Dutch Decal) (For LOXAM Rentals Only)	
267	1001200130	Ref	Decal - Quick Start Guide (CE & UK CA Spec) (German Decal) (For LOXAM Rentals Only)	
267	1001200131	Ref	Decal - Quick Start Guide (CE & UK CA Spec) (Danish Decal) (For LOXAM Rentals Only)	
267	1001200132	Ref	Decal - Quick Start Guide (CE & UK CA Spec) (Swedish Decal) (For LOXAM Rentals Only)	
267	1001200133	Ref	Decal - Quick Start Guide (CE & UK CA Spec) (Spanish Decal) (For LOXAM Rentals Only)	
267	1001200134	Ref	Decal - Quick Start Guide (CE & UK CA Spec) (Norwegian Decal) (For LOXAM Rentals Only)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
267	1001181145	Ref	Decal - Quick Start Guide (CE & UK CA Spec) (English Decal) (For LOXAM Rentals Only)	
274	1001214029	1	Decal - EAC Installation (CIS and Russia Specs)	
274A	1001173703	1	Decal - EAC	
292	1001171335	1	Decal - Dual Capacity (ANSI Spec)	
292	1001171337	1	Decal - Max Capacity (ANSI Spec)	
292	1001171359	1	Decal - Dual Capacity (Brazil Spec - Dual Language Portuguese/Spanish)	
292	1001171361	1	Decal - Max Capacity (Brazil Spec - Dual Language Portuguese/Spanish)	
292	1001171355	1	Decal - Dual Capacity (Chinese Spec - Dual Language English/Chinese)	
292	1001171357	1	Decal - Max Capacity (Chinese Spec - Dual Language English/Chinese)	
292	1001171351	1	Decal - Dual Capacity (CSA Spec - Dual Language English/French)	
292	1001171353	1	Decal - Max Capacity (CSA Spec - Dual Language English/French)	
292	1001171345	1	Decal - Dual Capacity (Korean Spec - Dual Language English/Korean)	
292	1001171347	1	Decal - Max Capacity (Korean Spec - Dual Language English/Korean)	
292	1001171349	1	Decal - Dual Capacity (Latin American - Dual Language English/Spanish)	
292	1001171337	1	Decal - Max Capacity (Latin American - Dual Language English/Spanish)	
292	1001171341	1	Decal - Dual Capacity (Japanese Spec - Dual Language English/Japanese)	
292	1001171343	1	Decal - Max Capacity (Japanese Spec - Dual Language English/Japanese)	

FIGURE 9-20. SKYWELDER DECAL INSTALLATION - 50HZ

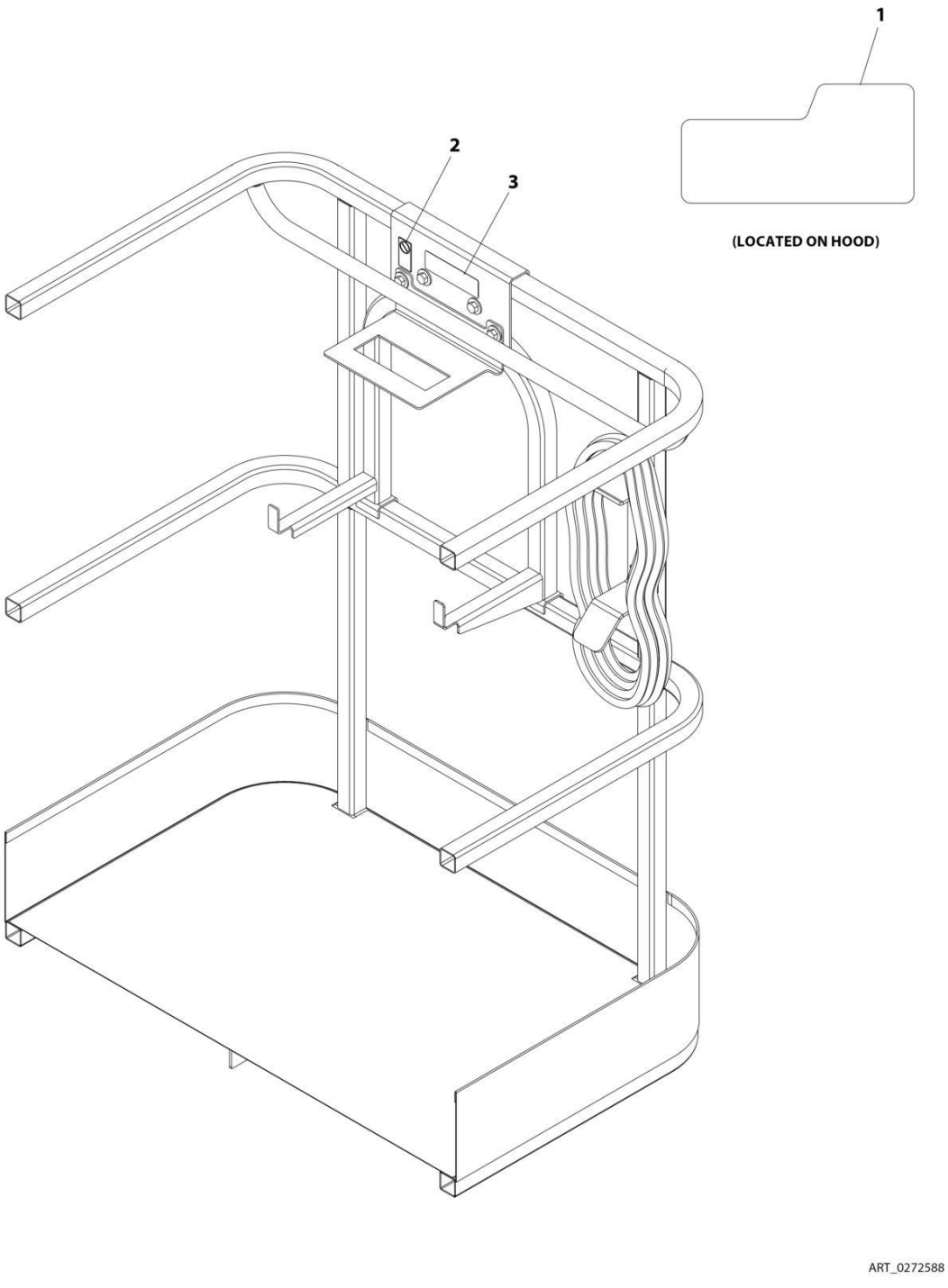


FIGURE 9-20. SKYWELDER DECAL INSTALLATION - 50HZ

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

FIGURE 9-21. SKYWELDER DECAL INSTALLATION - 60HZ

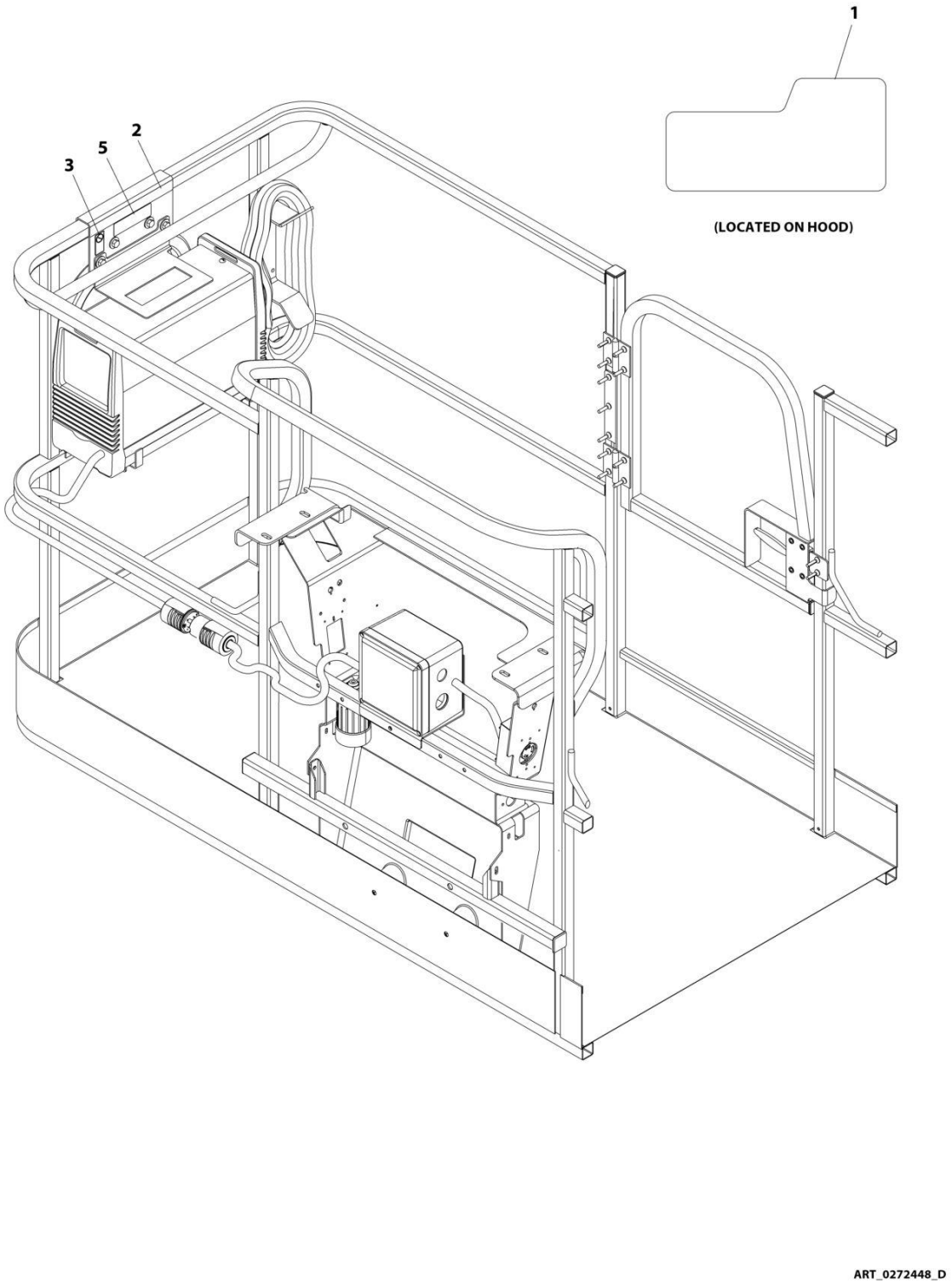


FIGURE 9-21. SKYWELDER DECAL INSTALLATION - 60HZ

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

SECTION 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.	
	4360542	1	Breaker, Circuit (2500W Generators)	
	4360070	1	Breaker, Circuit - 15Amp (4000W/60Hz and 7500W Generators)	
	1001189172	1	Breaker 16 Amp Double (Breaker Box with Three Breakers)	
	7024485	1	Breaker, Circuit 30Amp (7500W Generators)	
	70006095	1	Breaker, Circuit 30Amp (7500W/60Hz Generators)	
	1001189171	1	Breaker, 30mA (Breaker Box with Three Breakers)	
	1001181045	1	Breaker, Combination 16Amp (Breaker Box with Single Breaker)	
	1001159118	1	Breaker GFCI 30Amp 240VAC (240V AC Box at Platform)	
	70002386	1	Coil (Main Valve, Axle Valve & Lift Cylinder)	
	70003788	1	Coil (Main Valve & Lift Cylinder)	
	70005219	1	Coil (Main Valve)	
	70004897	1	Coil (Piston Pump)	
	1001166538	1	Controller, Drive/Steer	
	1001166539	1	Controller, Lift/Swing	
	1001196636	2	Diode, 1Amp (Turntable Harness)	
	70010383	12	Element, Charge Pump (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, 100Amp	
	70004058	1	Relay	
		Ref	Engine - Deutz D2.9L4	
	70003783	12	Element, Air Cleaner	
	8229242	2	Fuse, 5A	
	80983191	2	Fuse, 10A	
	70023592	2	Fuse, 20A	
	70023593	2	Fuse, 30A	
	70004058	1	Relay	
	1001117308	1	Relay, 200Amp	
	1001138228	1	Relay, Power Module	
		Ref	Engine - Deutz D2.9L4 (Stage V)	
	1001117308	1	Relay, 200Amp	
	1001138228	1	Relay, Power Module	
		Ref	Engine - Deutz D2.9L4 (China IV)	
	70003783	12	Element, Air Cleaner	
	1001172065	2	Fuse, 30A	
	1001117308	1	Relay, 200Amp	
	1001138228	1	Relay, Power Module	
		Ref	Engine - Kubota	
	70004020	12	Element, Air Filter	
	7017932	12	Element, Breather	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7017992	12	Filter, Fuel	
	70006023	12	Filter, Oil	
	2400082	2	Fuse, 40A	
	70006061	1	Module, Engine Control	
	1001196634	2	Fuse, 2A (Breather Heater Installation & Turntable Harness)	
	8229249	2	Fuse, 3A (USB Charger)	
	8229242	2	Fuse, 5A (Turntable Harness)	
	8229244	2	Fuse, 15A (Turntable Harness)	
	8229245	2	Fuse, 30A (2500W Generator Harness)	
	2860030	1	Key, Replacement	
	2940074	1	Latch (Platforms with Swing Gate)	
	1001247468	1	Loadcell (Platform Support)	
	1001142683	1	Module, Beacon (Blue and Red Beacons)	
	1001170094	1	Module, Ground Control	
	1001157196	1	Module, Platform	
	70006553	1	Relay (4000W Generator)	
	3740086	1	Relay, 20Amp (SkyLine)	
	3740080	1	Relay, 20/40Amp (2500W Generators)	
	1001095704	1	Relay, 35Amp (Turntable Harness)	
	1001118971	1	Sensor, Angle (Transport Switches)	
	1001228225	1	Sensor, Emitter (SkyEye)	
	1001231195	1	Sensor, Fuel Level	
	4360057	1	Sensor, Limit (Soft Touch)	
	1001232667	1	Sensor, Proximity (SkyLine)	
	1001311034	1	Sensor, Proximity (SkyLine)	
	1001170847	1	Sensor, Proximity (Boom Switches)	
	1001182570	1	Sensor, Proximity (Boom Switches)	
	4360517	1	Sensor, Proximity (Rotary Coupling)	
	1001228224	1	Sensor, Receiver (SkyEye)	
	1001137673	1	Switch Bar Assembly (SkyGuard)	
	1001237902	1	Sensor, SkySense	
	1001219601	1	Sensor, Tilt (Electrical Panel)	
	1001225346	1	Switch, Battery (Battery Disconnect)	
	1001274559	1	Switch, Emergency Stop	
	1001117174	1	Switch, Foot	
	4360469	1	Switch, Key	
	4360407	1	Switch, Potentiometer	
	4360387	1	Switch, Pushbutton Yellow (Ground Control, Console Box & Soft Touch))	
	1001161710	1	Switch, Toggle (Engine Install)	
	4360336	1	Switch, Toggle (Generator)	
	1001155045	1	Switch, Toggle (Ground Control & Console Box)	
	1001159256	1	Switch, Toggle (Console Box)	
	1001161709	1	Switch, Toggle (Console Box)	
	4360328	1	Switch, Toggle (Jib Switch)	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

FIGURE 11-1. SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	MISCELLANEOUS SPECIAL OPTIONS/ACCESSORIES/KITS	
	1001174347	Ref	Airline Installation (400S)	
	1001174348	Ref	Airline Installation (460SJ)	
	1001204996	Ref	Arctic Package with SkyPower Installation Kit (400S)	
	1001204997	Ref	Arctic Package without SkyPower Installation Kit (400S)	
	1001205008	Ref	Arctic Package with SkyPower Installation Kit (460SJ)	
	1001205009	Ref	Arctic Package without SkyPower Installation Kit (460SJ)	
	1001288384	Ref	Angle Sensor Kit	
	2915102	Ref	Bearing Kit	
	1001171499	Ref	Boom and Chassis Bellows Installation (400S)	
	1001171500	Ref	Boom and Chassis Bellows Installation (460SJ)	
	1001249499	Ref	Boom and Chassis Bellows Installation (1K45FT) (460SJ)	
	1001206437	Ref	Boom Wear Pad Kit	
	1001172630	Ref	Boom Wiper Installation	
	1001288775	Ref	Boom Wiper Installation (1K45FT) (460SJ)	
	1001172045	Ref	Cable Carrier Tray Installation (Australian Specs) (460SJ)	
	1001243183	Ref	ClearSky (Telematics) Added-on-Kit (Dealer Installed) (ANSI, ANSI Export, CSA Specs)	
	1001243184	Ref	ClearSky (Telematics) Added-on-Kit (Dealer Installed) (CE & UK CA Specs)	
	1001246142	Ref	ClearSky (Telematics) Added-on-Kit (Dealer Installed) (Australian Spec)	
	1001276923	Ref	ClearSky (Telematics) Add-on Kit - 3 Wire GT1030 (Dealer Installed)	
	1001242639	Ref	ClearSky (Telematics)Access Added-on-Kit (Dealer Installed) (ANSI, ANSI Export, CSA, CE & UK CA Specs)	
	1001285871	Ref	ClearSky (Telematics) Installation - CS550 (Plastic Hood)	
	1001293176	Ref	ClearSky (Telematics) Installation - CS550 (Steel Hood)	
	1001262959	Ref	ClearSky Voltage Regulator Relocation Kit	
	1001183207	Ref	Cold Weather Package - Deutz D2011 Engines	
	1001183206	Ref	Cold Weather Package - Deutz D2.9L4 Engines	
	1001255807	Ref	Cold Weather Package - Deutz D2.9L4 Engines (Stage V)	
	1001216914	Ref	Cold Weather Package - Kubota Engines	
	1001177840	Ref	Container/Transport Wheels Installation - 12 x 16.5 Tires	
	1001177841	Ref	Container/Transport Wheels Installation - 14 x 17.5 Tires	
	0272031	Ref	Container/Transport Wheels Installation - 33/16Ll x 16.1 Foam Filled Sand Tires	
	1001276007	Ref	Controller Service Kit - Drive/Steer	
	1001276008	Ref	Controller Service Kit - Lift/Swing	
	1001233047	Ref	Crankcase Breather Heater Kit - Deutz T4F Engine	
	1001177524	Ref	Cribbing Switch Installation (ANSI and CSA Specs)	
		Ref	Decal Installations:	
	1001178435	Ref	Decal - ClearSky	
	1702868	Ref	Decal - No Hands (English Language) (Used with Mesh to Top Rail Platform)	
	1704000	Ref	Decal - No Hands (English and French Dual Language) (Used with Mesh to Top Rail Platform)	
		Ref	Decal Kits:	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270508	Ref	Machine Decal Kit	
	1001288297	Ref	Machine Decal Kit (1K Machines) (460SJ)	
	1001270509	Ref	Platform Decal Kit	
	1001288298	Ref	Platform Decal Kit (1K Machines) (460SJ)	
	1001270510	Ref	Platform Console Box Decal Kit	
	1001270514	Ref	Machine Decal Kit (ANSI 9220)	
	1001272196	Ref	Platform Decal Kit (ANSI 9220)	
	1001272082	Ref	Platform Console Box Decal Kit (ANSI 9220) (400S)	
	1001272083	Ref	Platform Console Box Decal Kit (ANSI 9220) (460SJ)	
	1001214833	Ref	Engine Block Heater - Kubota Engines	
		Ref	Fall Arrest (Bolt on):	
	1001269630	Ref	Fall Arrest 30x48” Add-on Kit (Bolt on)	
	1001269629	Ref	Fall Arrest 30x60” Add-on Kit (Bolt on)	
	1001269631	Ref	Fall Arrest 30x72” Add-on Kit (Bolt on)	
	1001237883	Ref	Fall Arrest Installation - 72in Standard Platform (Bolt on)	
	1001237882	Ref	Bolt on Fall Arrest - 96in Standard Platform	
	1001172751	Ref	Fan Cover Installation - Deutz D2.9L4 Engines/Deutz D2.9L4 Engines (Stage V)	
	1001204481	Ref	Filter Kit - Combined (Hydraulic Oil/Air & Engine Air/Fuel Oil) (Deutz D2011)	
	1001204482	Ref	Filter Kit - Combined (Hydraulic Oil/Air & Engine Air/Fuel Oil) (Deutz D2.9L4)	
	1001225794	Ref	Filter Kit - Combined (Hydraulic Oil/Air & Engine Air/Fuel Oil) (Deutz D2.3L3)	
	1001117294	Ref	Footswitch Shield Installation	
	1001284515	Ref	Gateway Plus Installation	
	1001220004	Ref	Ground Control Module Cover Kit	
	1001285811	Ref	Hood Plugs Installation	
	1001206439	Ref	Hose Kit - Power Track (Upper) (400S)	
	1001206440	Ref	Hose Kit - Power Track (Upper) (460SJ)	
	1001270503	Ref	Hose Kit - Power Track (Upper) (460SJ)	
	1001289884	Ref	Hose Kit - Power Track (Upper) (1K45FT) (460SJ)	
	1001241396	Ref	Hostile Environment Kit (400S)	
	1001241402	Ref	Hostile Environment Kit (460SJ)	
	1001299569	Ref	Hourmeter Gauge Kit	
	1001258230	Ref	Hydraulic Load Installation (Factory Installed)	
	1001268737	Ref	Jib Link Kit	
	1001256412	Ref	Latch Kit (Engine Side Hood - Deutz Engines)	
	1001256413	Ref	Latch Kit (Engine Side Hood - Tank Engines)	
	1001256414	Ref	Latch Kit (Tank Side Hood)	
		Ref	Light Installations:	
	1001174926	Ref	Chassis Illumination	
	1001174925	Ref	Headlights and Taillights	
	1001120466	Ref	Platform Worklights	
	1001202749	Ref	Lockable Fuel Cap Cover - Black	
	1001191395	Ref	Lockable Fuel Cap Cover - Green (ANSI and ANSI Export Specs)	
	1001191394	Ref	Lockable Fuel Cap Cover - Red (ANSI and ANSI Export Specs)	
	1001183407	Ref	Low Temperature Cutout Installation (Russian Specs)	
	1001253618	Ref	Module Box Assembly Kit (Service Kit for P/N 1001246867)	
	1001253619	Ref	Module Box Assembly Kit (Service Kit for P/N 1001246860)	
	1001173664	Ref	Oil Cooler Installation - Deutz D2011 Engines	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164493	Ref	Oil Cooler Installation - Deutz D2.9L4, Deutz D2.9L4 (Stage V) and Deutz D2.9L4 (China IV) Engines	
	1001216552	Ref	Oil Cooler Installation - Kubota Engines	
	1001272166	Ref	Pipe Rack Add-on Kit (Dealer Installed)	
	1580013	Ref	Platform Corner Storage Tray	
	1001195304	Ref	Platform Cover Installation - Clear	
	1001266290	Ref	Platform Cover Installation - Steel	
	1001270482	Ref	Platform Cover Installation – Steel (Dealer Installed)	
	1001274832	Ref	Platform Floormat Add-On Kit - 30x60 (Dealer Installed)	
	1001274830	Ref	Platform Floormat Add-On Kit - 36x72 (Dealer Installed)	
	1001274829	Ref	Platform Floormat Add-On Kit - 36x96 (Dealer Installed)	
	1001219794	Ref	Platform Hose and Cable Protection (400S)	
	1001258715	Ref	Platform Hose and Cable Protection (460SJ)	
	1001238421	Ref	Platform Leveling Kit	
		Ref	Platform Mesh to Mid Rail Add-On Kits - Dealer Installed:	
	1001281461	Ref	Platform Mesh to Mid Rail Add-On Kits - Dealer Installed - 30in x 4ft (76cm x 1.22m)	
	1001281460	Ref	Platform Mesh to Mid Rail Add-On Kits - Dealer Installed - 30in x 5ft (76cm x 1.52m)	
	1001281458	Ref	Platform Mesh to Mid Rail Add-On Kits - Dealer Installed - 36in x 6ft (91.5cm x 1.83m)	
	1001281457	Ref	Platform Mesh to Mid Rail Add-On Kits - Dealer Installed - 36in x 8ft (91.5cm x 2.44m)	
		Ref	Platform Mesh to Top Rail Add-On Kits - Dealer Installed:	
	1001281456	Ref	Platform Mesh to Top Rail Add-On Kits - Dealer Installed - 30in x 4ft (76cm x 1.22m)	
	1001281455	Ref	Platform Mesh to Top Rail Add-On Kits - Dealer Installed - 30in x 5ft (76cm x 1.52m)	
	1001281454	Ref	Platform Mesh to Top Rail Add-On Kits - Dealer Installed - 30in x 6ft (76cm x 1.83m)	
	1001281453	Ref	Platform Mesh to Top Rail Add-On Kits - Dealer Installed - 36in x 6ft (91.5cm x 1.83m)	
	1001281452	Ref	Platform Mesh to Top Rail Add-On Kits - Dealer Installed - 36in x 8ft (91.5cm x 2.44m)	
		Ref	Platform Mesh Installation - Factory Installed:	
	1001271642	Ref	Platform Mesh to Toprail Installation - 36 x 72 Platforms (ANSI and CSA Specs)	
	1001269187	Ref	Platform Mesh to Toprail Installation - 36 x 96 Platforms (ANSI and CSA Specs)	
	1001269389	Ref	Platform Mesh to Midrail Installation - 36 x 96 Platforms (ANSI, ANSI Export(LRC), Australian and China Specs)	
		Ref	Platform Plastic Mesh Installation - Factory Installed:	
	1001266489	Ref	Platform Plastic Mesh to Toprail Installation - 36 x 72 Platforms (ANSI and CSA Specs)	
	1001266056	Ref	Platform Plastic Mesh to Toprail Installation - 36 x 96 Platforms (ANSI and CSA Specs)	
	1001266098	Ref	Platform Plastic Mesh to Midrail Installation - 36 x 96 Platforms (ANSI, ANSI Export(LRC), Australian and China Specs)	
		Ref	**Platform Padding Options:**	
	1001275644	Ref	Platform Padding Installation - 30 x 60 Platforms	
	1001275643	Ref	Platform Padding Installation - 30 x 72 Platforms	
	1001275642	Ref	Platform Padding Installation - 36 x 72 Platforms	
	1001269655	Ref	Platform Padding Installation - 36 x 96 Platforms	
		Ref	Platform Rail Extensions:	
	0272733	Ref	Platform Rail Extension Installation - 36 x 72 Platforms	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272725	Ref	Platform Rail Extension Installation - 36 x 96 Platforms	
	1001233079	Ref	Pump Rotation Kit	
	1001247800	Ref	Quad Tracks Replacement Kit	
	1001204963	Ref	Service Tools & Kits	Y
		Ref	SkyGuard Kits:	
	1001247073	Ref	SkyEye Retrofit Kit	
	1001241547	Ref	SkyEye Housing Repair Kit - LH	
	1001241548	Ref	SkyEye Housing Repair Kit - RH	
	1001250595	Ref	SkyGuard 6-Pin Retrofit Installation Kit	
	1001203510	Ref	SkyGuard Kit, Without Beacon	
	1001203512	Ref	SkyGuard Kit, With Blue Beacon	
	1001210037	Ref	SkyGuard Kit, With Red Beacon	
	1001250035	Ref	SkyGuard Platform Sensor Kit	
	1001249052	Ref	SkyGuard Retrofit Kit	
	1001262016	Ref	SkyLine Kit	
		Ref	SkySense Installations:	
	1001289831	Ref	SkySense (EDS) Level 1 Booms (2-Bar) Installation (Factory Installed)	
	1001289832	Ref	SkySense (EDS) Level 2 Booms (3-Bar) Installation (Factory Installed)	
	1001289905	Ref	SkySense (EDS) Level 1 Booms (2-Bar) Installation Kit	
	1001289906	Ref	SkySense (EDS) Level 2 Booms (3-Bar) Installation Kit	
	1001246867	Ref	SkySense (EDS) Level 1 Booms (2-Bar) Installation Kit (Dealer Installed)	
	1001246860	Ref	SkySense (EDS) Level 2 Booms (3-Bar) Installation Kit (Dealer Installed)	
		Ref	Amber Beacon Installations:	
	1001178951	Ref	Platform Mounted (Amber)	
	1001177570	Ref	Platform/Ground Mounted (Amber)	
	1001282215	Ref	Platform Worklights Kit	
	1001231235	Ref	Sky Welder Locking Bracket	
	1001303167	Ref	Sky Welder Extension Cord Cable	
		Ref	Tools For Service:	
	1001249695	Ref	Analyzer & Cable Kit	
	1001249941	Ref	Analyzer Kit (Battery Powered)	
	1001137005	Ref	Tools - Cable Kit, Software	
	7002821	Ref	Tools - Crimper, Wire	
	7002823	Ref	Tools - Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460467	Ref	Tools - Pin Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460510	Ref	Tools - Pin Extractor - 12-14 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	
	70004185	Ref	Tools - Torque Multiplier	
	1001277839	Ref	UGM Retrofit Kit (1001170094 Module)	
	1001277640	Ref	UGM Retrofit Kit (1001103667 Module)	
	1001277648	Ref	UGM Retrofit Kit (1600327, 1600364, 1600411 Modules)	
	1001274249	Ref	USB Charger Add-on Kit (Dealer Installed)	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236496	Ref	Wet Stacking Prevention Kit	
	1001270716	Ref	White Noise (Constant) Alarm Add-on Kit (Dealer Installed)	
	1001270755	Ref	White Noise (Ambient) Alarm Add-on Kit (Dealer Installed)	
	1001209059	Ref	Work Surface Installation	

PART NUMBER INDEX

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

0080201.....304, 318
0080231.....200, 212
0100009.....469
0100011....17, 19, 21, 23, 25, 59, 61, 67, 69, 71, 87, 89, 93, 121, 123, 125, 127, 131, 133, 161, 163, 166, 170, 174, 177, 179, 181, 183, 193, 197, 200, 205, 209, 212, 220, 223, 226, 232, 235, 238, 253, 257, 260, 271, 278, 281, 284, 297, 301, 304, 311, 315, 318, 349, 351, 353, 355, 357, 359, 363, 367, 371, 375, 379, 383, 387, 391, 395, 399, 411, 413, 415, 417, 419, 427, 429, 431, 433, 435, 437, 439, 449, 451, 453, 457, 459, 461, 463, 465, 485, 487, 489, 493, 501, 503, 505
0100019..23, 25, 95, 101, 363, 371, 375, 379, 383, 387, 391, 395
0100020.....63, 193, 200, 205, 212, 220, 226, 228, 232, 238, 240, 253, 260, 278, 284, 297, 304, 311, 318, 471, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603
0100035....109, 111, 113, 115, 135, 273, 469, 473
0100048....155, 359, 363, 367, 371, 375, 379, 383, 387, 391, 395, 399
0100079....371, 375, 379, 387, 391, 395, 399
0100081....200, 212, 226, 238, 260, 284, 306, 320, 495, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
0140011.....469
0140043.....129
0181949.....63
0200048.....485, 487
0270022.....581
0270092.....43
0270653.....45
0271998.....47
0272031.....782
0272254.....503
0272427.....487
0272435.....393, 397, 401
0272448.....775
0272521.....501
0272588.....773
0272589.....389
0272725.....785
0272733.....784
0273380.... 393, 397, 401
0275216..... 585, 705
0275217..... 589, 707
0275452..... 591, 709
0275453..... 593, 711
0275454..... 601, 713
0360406..... 57
0363019..... 55, 57
0400075..... 87, 89
0440162... 193, 205, 220, 232, 253, 278, 297, 311
0440237..... 419
0440240..... 101
0440271..... 21
0480122..... 359
0480126..... 371, 387
0480128..... 375, 391
0480129..... 400
0561237..... 647
0630462..... 485, 487
0630518... 153, 475, 501, 503, 505
0630534..... 525
0630563... 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
0630568..... 469
0630613.... 166, 170, 174
0641404..... 493
0641405..... 469, 493
0641406... 467, 507, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
0641408..... 467, 497
0641410... 177, 179, 181, 183
0641414... 469, 485, 487, 489, 497, 499
0641416... 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603
0641418... 451, 453, 457, 459, 461, 463, 465, 645, 649
0641420..... 449
0641504..... 55, 193, 205, 220, 232, 253, 278, 297, 311, 643, 645, 647, 649, 651
0641507.... 359, 363, 367
0641606.... 501, 503, 505
0641608..... 417
0641610.... 271, 273, 467
0641612..... 55, 63
0641616... 371, 375, 379, 383, 387, 391, 395
0641772.... 359, 363, 367
0641812... 197, 209, 223, 235, 257, 281, 301, 315
0642012..... 495
0642212..... 495
0681608.... 226, 238, 439
0681620... 477, 479, 481, 483
0681810..... 25
0681814..... 455
0681822..... 455
0682014..... 23, 25
0682026..... 101
0682040..... 57
0682424... 477, 479, 481, 483
0700408... 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603
0700610..... 194, 206
0700612..... 125
0700614..... 193, 205
0700619... 544, 552, 560, 653, 655, 657
0700620... 129, 645, 647, 649, 651
0700810..... 304, 318
0700814..... 304, 318
0700815..... 304, 318
0700816..... 306, 320
0700817... 193, 205, 220, 232, 253, 278, 297, 311
0700818... 375, 379, 387, 391, 395, 399
0700819..... 399
0700821... 193, 205, 220, 232, 278
0700822..... 253
0701016.... 306, 320, 399
0701017... 220, 232, 253, 278
0701018... 109, 111, 113, 115
0701020... 109, 111, 113, 115, 417, 419
0701022..... 284
0701025..... 284
0701216..... 304, 318
0701217..... 17
0701219..... 357
0701220..... 93
0701222..... 413
0701223..... 357
0701224... 304, 318, 367, 399
0701617..... 21
0701618..... 95
0701619.... 405, 407, 409
0711214... 226, 238, 260, 284
0711220..... 19, 21
0711224... 200, 212, 226, 238, 260, 284, 353, 355, 359, 363, 367, 371, 375, 379, 387, 391, 399
0711629..... 21
0721005..... 487
0721006..... 271, 273
0731005... 109, 111, 113, 115, 121, 123, 125, 127, 485
0741606... 226, 238, 260, 284
0741607... 371, 375, 379, 383, 395
0741608.....399
0760415.....435, 437
0760506.....351
0760605.....304, 318
0760606....304, 318, 371, 375, 379, 383, 387, 391, 395
0760607....226, 238, 260, 284
0760608....174, 181, 183, 304, 318, 359, 363, 367
0760610 87, 89, 125, 129, 161, 163, 177, 179, 193, 200, 205, 212, 220, 226, 232, 238, 253, 260, 278, 284, 297, 304, 311, 318, 343, 345, 347, 371, 375, 379, 383, 387, 391, 395, 399, 609, 629
0760612....121, 123, 127, 129, 304, 318
0760613....220, 232, 253, 278
0760614....177, 179, 181, 183, 201, 213
0760615.....157, 159
0760619.....284, 568, 576
0760808....226, 238, 260, 284, 304, 318
0760810....226, 238, 260, 284, 439
0760812....226, 238, 260, 284, 297, 304, 311, 318, 343, 345, 347, 359, 363, 371, 376, 380, 388, 392, 396, 611
0760814....200, 212, 226, 238, 260, 284, 304, 318, 353, 355, 367, 399, 637, 639, 641, 645, 647, 649, 651
0760815....200, 212, 226, 238, 260, 284, 304, 318
0760816.....55, 166, 170, 174, 284, 306, 320
0761006.....653, 655, 657
0761008.....349
0761009.....359, 427, 429
0761010.....67, 69, 71
0761011.....19, 21, 351
0761012....23, 25, 87, 89, 166, 170, 174, 177, 179, 284, 345, 349, 411, 417, 419, 427, 429
0761014....109, 111, 113, 115, 121, 123, 125, 127, 166, 170, 174, 181, 183, 185, 226, 238, 253, 260, 278, 297, 304, 311, 318, 359, 363, 429, 439, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
0761015..67, 69, 71, 193, 200, 205, 212, 220,

226, 232, 238, 253, 260, 278, 284, 297, 304, 311, 318, 363, 367, 417, 419
0761016 ... 103, 121, 123, 125, 127, 226, 238, 260, 284, 304, 318, 367, 435, 437
0761018 ... 637, 641, 645, 649, 653
0761019 .... 411, 413, 415
0761210 ..... 55, 226, 238, 260, 284
0761212 ... 226, 238, 260, 284, 379, 383, 395, 415
0761214 ... 291, 363, 367, 371, 375, 387, 391, 399
0761215 17, 93, 278, 367, 399
0761216 ..... 284, 439
0761217 .... 411, 413, 415
0761218 .... 405, 407, 409
0761620 95
0771212 ... 220, 232, 253, 260, 278
0771414 ... 200, 212, 226, 238, 260, 284, 353, 355, 359, 363, 371, 375, 379, 387, 391
0771416 ... 371, 375, 387, 391
0772018 95
0811608 23
0860038 ... 375, 379, 391, 395, 399, 581
0860520 ... 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
0861538 .... 391, 395, 399
0861572 387
0861731 ... 595, 597, 599, 603, 709, 711, 713
0861781 ... 583, 587, 705, 707
0861880 ..... 631, 633
0902733 55
0902734 55
0902888 ... 375, 379, 387, 391, 395, 399
0940049 ... 121, 123, 125, 127, 166, 170, 174
0940092 ..... 485, 487
0940094 ..... 485, 487
0940102 495
0940103 487
0940177 485
0961845 ... 449, 451, 453, 457, 459, 461, 463, 465
0961893 525
0961947 ..... 417, 425
0961948 ..... 19, 21
0961950 ..... 17, 411, 413, 521
0961951 ... 200, 212, 226, 238, 260, 284, 304, 318, 411
0962036 415
0962051 357
0962270 455
0962292 21
0962335 417
0962336 ..... 523, 525
0962348 ..... 21, 413
0962520 ... 371, 375, 379, 383, 387, 391, 395, 399
1001001939 306
1001026127 278
1001091102 ..... 63, 187
1001091969 585
1001091970 589
1001091973 591
1001091974 593
1001091975 601
1001093382 ..... 87, 89
1001095704 ..... 715, 779
1001096070 ..... 371, 383, 633
1001097051 727
1001097150 ..... 631, 633, 635
1001097244 509
1001098122 ..... 471, 703
1001098828 439
1001098928 ..... 544, 560
1001099366 495
1001099367 495
1001099560 ..... 411, 413
1001100341 705
1001100342 707
1001100345 709
1001100346 713
1001100347 711
1001101191 ..... 585, 589, 591, 593, 601
1001101196 ..... 585, 589
1001101197 ..... 591, 593, 601
1001103012 715
1001104029 ..... 375, 379, 388, 392, 395, 400
1001104498 715
1001104519 701
1001106736 129
1001107854 715
1001108256 485
1001110434 469
1001110872 ..... 605, 607
1001110873 ..... 375, 379, 392, 396, 400, 581
1001111424 .. 87, 89, 200, 212
1001112551 739
1001112612 ..... 615, 716
1001112796 ..... 615, 671
1001113047 174
1001113680 ..... 743, 745
1001113961 715
100111424 ..... 227, 239
1001116208 770
1001116693 703
1001116710 689
1001116731 671
1001116732 693
1001116734 693
1001116774 615
1001116808 615
1001116812 ..... 679, 683
1001116815 ..... 661, 663, 665, 716
1001116952 ..... 675, 679, 683
1001116983 689
1001117057 693
1001117106 ..... 675, 683, 716
1001117107 ..... 675, 679, 683
1001117110 716
1001117140 174
1001117172 471
1001117174 ..... 469, 471, 779
1001117294 783
1001117308 ..... 227, 239, 261, 285, 778
1001117372 515
1001118274 306
1001118378 715
1001118384 723
1001118388 723
1001118666 415
1001118878 ..... 227, 239, 261
1001118971 ..... 435, 779
1001118972 .... 23, 25, 59, 61, 109, 111, 113, 115, 121, 123, 125, 127, 298, 312
1001119020 615
1001119032 715
1001119278 ..... 205, 232, 311
1001119619 725
1001119620 ..... 727, 729
1001119661 769
1001120328 ..... 121, 123, 125, 127, 129, 489, 493
1001120466 783
1001120471 509
1001120477 509
1001120484 509
1001120989 770
1001125387 ..... 220, 232, 278
1001125677 ..... 703, 716
1001126009 723
1001126351 ..... 675, 680, 684
1001126362 ..... 675, 679, 683
1001126363 ..... 675, 679, 683
1001126364 ..... 675, 679, 683
1001126365 675
1001126391 ..... 675, 679, 683
1001126392 ..... 675, 679, 683
1001126485 ..... 680, 684
1001126487 ..... 680, 684
1001128527 505
1001128556 505
1001129408 659
1001129858 376
1001130220 278
1001130492 770
1001131269 ..... 733, 735, 737, 751, 753, 755
1001132195 ..... 200, 212
1001132196 ..... 200, 212
1001133714 ..... 676, 680, 684
1001133715 ..... 676, 680, 684
1001133956 ..... 675, 680, 684
1001133957 ..... 675, 680, 684
1001134289 ..... 419, 425
1001134488 ..... 228, 240, 286
1001134543 95
1001135196 ..... 193, 205, 220, 232, 253, 278, 297, 311
1001135650 ..... 676, 680, 684
1001135651 ..... 676, 680, 684
1001135679 ..... 363, 379, 396
1001136358 576
1001136834 ..... 227, 239, 261, 285
1001137005 785
1001137032 ..... 411, 413, 415
1001137336 ..... 306, 320
1001137673 ..... 489, 779
1001138173 ..... 305, 319
1001138175 ..... 305, 319
1001138228 ..... 227, 239, 261, 285, 778
1001138248 ..... 227, 239, 261, 285, 306, 320
1001138494 ..... 449, 451, 453, 457, 459, 461, 463
1001138514 ..... 449, 451, 453, 459, 463
1001138565 371
1001138566 ..... 372, 376, 379, 383
1001138671 415
1001138795 525
1001138827 ..... 228, 240, 286
1001139240 ..... 227, 239, 285
1001139357 ..... 372, 376
1001139384 ..... 177, 179, 181, 183
1001139586 21
1001139654 253

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001139819.....200, 212
1001140312.....239
1001140346.....380
1001140347.....383
1001140429.....449, 451, 453, 457, 459, 461, 463, 465
1001140564.....228, 240, 286
1001141300.....770
1001141302.....770
1001141304.....227, 239, 261, 285
1001141694.....200, 212, 227, 239, 261, 285
1001141870.....271, 273
1001141995.....305, 319
1001142501.....220, 232, 253, 271, 273, 278, 349, 351
1001142643.....380, 396
1001142646.....380, 396
1001142683.....157, 159, 779
1001142736.....157, 159, 615
1001142938.....676, 679, 683
1001142940.....676, 679, 683
1001142941.....676, 679, 683
1001143390.....200, 212, 227, 239, 261, 285
1001143797.....227, 239, 261, 285
1001143852.....770
1001144116.....227, 239, 261
1001144147.....671, 715
1001144433.....489
1001144629.....443, 445, 447, 457, 461
1001146397.....47, 49
1001146588.....254, 261, 285
1001147233.....367, 400
1001147264.....675
1001147274.....43, 45
1001147812.....305, 319
1001147813.....306, 320
1001148059.....384
1001148138.....364, 367
1001148641.....194, 206, 360, 363, 372, 376, 380, 384, 388, 392, 396
1001148675.....605, 607
1001148865.....43
1001148866.....43
1001148869.....45
1001148870.....45
1001148875.....47
1001148876.....47
1001149160.....166, 170, 174, 305, 319
1001149452.....349
1001149639.....305, 319
1001149953.....43, 45, 47, 49
1001150324.....17, 121, 123, 125, 127
1001150326.....17
1001150918.....206, 232, 311
1001150998.....200, 212
1001151393.....143, 145, 147, 149
1001152266.....721
1001152456.....376, 380
1001152457.....376, 380
1001152483.....635
1001152485.....609, 635
1001152489.....227, 239, 261, 285
1001152525.....376, 380, 389, 393, 397, 401
1001152530.....376, 380
1001152532.....372, 376, 380, 384, 695
1001153260.....376, 380
1001154405.....220, 233, 253, 271, 273, 278, 285, 349, 351
1001154726.....693
1001155041.....363, 367, 400
1001155043.....137, 139, 141
1001155044.....123, 127, 137, 139, 141, 297, 311, 469
1001155045.....137, 139, 141, 469, 779
1001155743.....121, 123, 125, 127
1001155823.....220, 233, 253, 278
1001156107.....193, 205, 254
1001156819.....297, 312
1001157196.....469, 779
1001157520.....389, 393, 397, 401
1001157521.....389, 393, 397, 401
1001157525.....388
1001157528.....389, 393, 397, 401
1001157592.....392, 396, 400
1001158007.....389, 393, 397, 401
1001158008.....376, 380, 389, 393, 397, 401
1001158363.....376, 380
1001159118.....605, 607, 778
1001159119.....605, 607
1001159120.....605, 607
1001159121.....607
1001159162.....129
1001159186.....697
1001159256.....469, 779
1001159323.....174, 741
1001161709.....469, 779
1001161710.....297, 311, 779
1001162335.....271
1001162531.....67, 73
1001162532.....69, 77
1001162537.....25, 41
1001162538.....67, 69, 71, 85
1001162995.....17
1001163178.....19, 21, 531
1001163179.....19, 21
1001163385.....405, 407, 527
1001163386.....411, 413, 517
1001163405.....19, 21
1001163418.....109, 111
1001163459.....411
1001163470.....411
1001163482.....407, 413
1001163483.....413
1001163492.....413
1001163580.....17, 515
1001163671.....113, 115
1001163715.....19, 21
1001163716.....19, 21
1001163717.....21
1001163722.....21
1001163724.....21
1001163726.....21
1001163959.....23, 25
1001164092.....19
1001164094.....17
1001164095.....21
1001164209.....19, 21
1001164493.....784
1001164709.....521
1001164817.....515
1001165035.....220, 233, 253, 278, 285
1001165060.....166, 170
1001165363.....533, 535
1001165388.....200, 213, 227, 239, 261, 285
1001165389.....200, 212
1001165405.....227, 239, 261, 285
1001165406.....227, 239, 261, 285
1001165531.....427, 429
1001165534.....427, 429
1001165538.....427
1001165567.....417
1001165721.....227, 239, 285
1001165722.....227, 239, 261
1001165849.....227, 239, 261
1001166020.....197, 200
1001166021.....193, 197
1001166022.....193
1001166023.....205
1001166478.....55
1001166538.....778
1001166539.....778
1001166563.....17
1001166710.....109, 111, 113, 115
1001166717.....201, 212
1001166718.....201, 212, 227, 239, 261, 285, 305, 319, 353, 355
1001166816.....437
1001166894.....357
1001166921.....227, 239, 261, 285
1001166922.....355
1001166924.....227, 239, 261, 285
1001166970.....220, 233, 253, 279
1001166997.....533
1001167036.....197, 209, 223, 257, 281, 301, 315, 329
1001167038.....193, 205
1001167108.....675
1001167111.....201, 212, 673
1001167159.....166, 170
1001167164.....343, 345, 347
1001167512.....193, 206, 220, 233, 253, 279, 297, 311
1001167520.....201, 212, 227, 239, 261, 285
1001167565.....439
1001167567.....439
1001167596.....439
1001167632.....679, 683
1001167635.....680, 684
1001167916.....67
1001167917.....69
1001167918.....174
1001168018.....201, 212, 227, 239, 261, 285, 305, 319, 353, 355, 360, 363, 367, 372, 376, 380, 388, 392, 400
1001168026.....227, 239, 261, 285
1001168059.....201, 213
1001168099.....227, 239, 261, 285
1001168166.....227, 239, 261, 285, 305, 319
1001168173.....166, 170
1001168207.....353, 363, 380
1001168209.....517, 519, 533, 535
1001168210.....517, 519
1001168402.....439
1001168841.....411
1001168842.....411, 413, 415
1001168843.....405, 407
1001168844.....405, 407
1001168845.....405, 407
1001168847.....413
1001168848.....411

1001168849 ..... 411, 413
1001168854 ..... 405, 407, 409
1001168855 93
1001168950 285
1001168992 101
1001169046 ..... 166, 170, 174
1001169054 ..... 227, 239, 261, 285, 305, 319
1001169086 59
1001169138 ..... 227, 239, 261, 285, 305, 319
1001169185 93
1001169191 103
1001169192 103
1001169193 103
1001169284 ..... 411, 413, 415
1001169285 ..... 411, 413, 415
1001169286 ..... 411, 413, 415
1001169287 ..... 411, 413, 415
1001169288 ..... 411, 413, 415
1001169289 ..... 411, 413, 415
1001169380 ..... 411, 413, 415
1001169496 105
1001169582 105
1001169611 ..... 427, 429
1001169669 407
1001169761 63
1001169823 ..... 193, 206, 221, 233, 253, 279
1001169955 ..... 59, 61
1001169967 ..... 227, 239, 261, 285, 305, 319
1001169973 59
1001170035 ..... 227, 239, 261, 285, 305, 319
1001170094 779
1001170145 89
1001170224 341
1001170551 ..... 166, 170, 177
1001170564 ..... 435, 437
1001170565 ..... 435, 437
1001170642 435
1001170650 343
1001170662 343
1001170663 ..... 343, 347
1001170664 ..... 343, 345, 347
1001170693 ..... 201, 213, 215
1001170736 55
1001170764 ..... 680, 684, 721
1001170847 ..... 431, 433, 435, 437, 779
1001170850 ..... 166, 170
1001170982 285
1001171067 ..... 411, 413, 415
1001171112 ..... 411, 413, 415
1001171131 605
1001171324 ..... 411, 413, 415
1001171335 771
1001171337 771
1001171339 ..... 739, 741
1001171341 771
1001171343 771
1001171345 771
1001171347 771
1001171349 771
1001171351 771
1001171353 771
1001171355 771
1001171357 771
1001171359 771
1001171361 771
1001171368 741
1001171382 739
1001171499 782
1001171500 782
1001171667 ..... 411, 413, 415
1001171953 ..... 197, 209, 223, 235, 257, 281, 301, 315
1001171954 ..... 197, 209, 223, 235, 257, 281, 301, 315
1001171966 ..... 411, 413, 415
1001171967 ..... 411, 413, 415
1001172045 782
1001172064 680
1001172065 ..... 680, 778
1001172128 ..... 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
1001172195 ..... 193, 206
1001172564 769
1001172565 769
1001172570 769
1001172571 769
1001172572 769
1001172578 495
1001172594 ..... 221, 233
1001172620 769
1001172630 782
1001172692 ..... 545, 553, 561, 569, 577
1001172694 ..... 545, 553
1001172695 ..... 545, 553, 561, 569, 577
1001172696 ..... 545, 553
1001172697 ..... 545, 553, 561, 569, 577
1001172698 ..... 553, 569, 577
1001172699 ..... 553, 569, 577
1001172703 ..... 553, 569, 577
1001172707 ..... 553, 569, 577
1001172716 ..... 545, 553, 561, 569, 577
1001172717 ..... 545, 553, 561, 569, 577
1001172718 ..... 545, 553, 561, 569, 577
1001172719 ..... 545, 553, 561, 569, 577
1001172721 ..... 545, 553, 561, 569, 577
1001172722 ..... 545, 553, 561, 569, 577
1001172723 ..... 545, 553, 561, 569, 577
1001172751 783
1001172757 ..... 121, 123, 125, 127, 129
1001172760 469
1001172816 155
1001173233 431
1001173342 ..... 221, 233, 254, 279, 689
1001173354 ..... 166, 170, 174
1001173356 166
1001173456 ..... 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
1001173535 ..... 304, 318
1001173594 ..... 637, 641
1001173599 ..... 645, 649
1001173600 643
1001173605 651
1001173664 783
1001173665 ..... 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
1001173703 771
1001173761 ..... 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
1001173763 ..... 427, 429
1001173807 ..... 621, 637, 639, 641, 643
1001173808 ..... 627, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
1001173810 391
1001173811 387
1001173898 ..... 545, 553, 561, 569, 577
1001173900 ..... 545, 553, 561, 569, 577
1001173901 ..... 545, 553, 561, 569, 577
1001173902 ..... 545, 553, 561, 569, 577
1001173903 ..... 545, 553, 561, 569, 577
1001173904 ..... 545, 553, 561, 569, 577
1001173905 ..... 561, 569
1001173906 ..... 561, 569
1001173907 ..... 545, 553, 561, 569, 577
1001173908 ..... 545, 553, 561, 569, 577
1001173909 ..... 544, 553, 561, 569, 577
1001173925 ..... 372, 376, 388, 392
1001173927 ..... 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
1001173937 ..... 544, 553, 561, 569, 577
1001173983 375
1001174040 439
1001174098 ..... 166, 170, 174
1001174158 384
1001174347 782
1001174348 782
1001174349 769
1001174350 769
1001174367 395
1001174486 ..... 297, 311
1001174675 ..... 384, 388, 392, 396, 400
1001174783 ..... 209, 212
1001174784 ..... 206, 209
1001174925 783
1001174926 783
1001175024 ..... 552, 568, 576
1001175068 341
1001175071 341
1001175073 357
1001175074 357
1001175170 639
1001175171 ..... 647, 655
1001175239 639
1001175241 647
1001175542 379
1001175631 ..... 376, 380
1001176330 ..... 305, 319
1001176469 ..... 147, 149
1001176636 ..... 645, 647, 649, 651
1001176848 ..... 19, 21
1001176862 605
1001176899 ..... 427, 429
1001176952 ..... 617, 637, 639, 641, 643
1001176953 ..... 619, 645, 647, 649, 651, 653, 655, 657
1001177359 ..... 227, 239, 261
1001177524 782
1001177570 785
1001177840 782
1001177841 782
1001178415 769
1001178433 769
1001178435 ..... 770, 782
1001178788 ..... 227, 239, 261, 285
1001178859 ..... 201, 213
1001178876 ..... 227, 239

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001178951.....785
1001179154.....376, 380, 392, 396, 400
1001179836.....363, 367
1001179837.....363, 367
1001179893.....364, 368
1001179903.....227, 240, 261, 285
1001180001.....363, 367
1001180620.....228, 240, 261, 285, 305, 319
1001180797.....363
1001180798.....359
1001181045.....631, 633, 778
1001181051.....417, 423
1001181074.....545, 553, 561, 569, 577
1001181075.....545, 553, 561, 569, 577
1001181076.....561, 569
1001181077.....561, 569
1001181145.....771
1001181243.....364, 368
1001181319.....643
1001181329.....637, 639, 641, 647, 651
1001181895.....240
1001181913.....55
1001182155.....55
1001182245.....61
1001182250.....61
1001182296.....360, 364, 368
1001182361.....675, 680, 684
1001182365.....675, 680, 684
1001182570.....431, 433, 435, 437, 779
1001182806.....161
1001183206.....782
1001183207.....782
1001183407.....783
1001183477.....360, 364
1001184542.....545, 553, 561, 569, 577
1001184543.....545, 553, 561, 569, 577
1001184561.....545, 553, 561, 569, 577
1001184562.....545, 553, 561, 569, 577
1001184563.....545, 553, 561, 569, 577
1001184618.....473, 737, 755
1001184626.....469
1001184637.....360
1001184644.....360
1001184645.....360
1001184682.....163
1001185281.....469
1001185821.....87, 89, 91
1001186333.....455
1001186377.....449
1001186379.....451
1001186382..... 453
1001186383..... 447
1001186384..... 445
1001186386..... 443
1001186431..... 489
1001186432..... 701, 723
1001186517..... 489
1001187077..... 716
1001187078..... 716
1001187382..... 439
1001187383..... 439
1001187522..... 360, 364, 368, 693
1001187674..... 491
1001187681..... 725
1001188334..... 93
1001188622..... 439
1001188731..... 360, 364, 368
1001188844..... 439
1001188972..... 205, 233, 311
1001189001..... 439
1001189002..... 439
1001189171..... 635, 778
1001189172..... 635, 778
1001189236..... 235, 333
1001189237..... 235, 337
1001189882..... 741
1001190368..... 19, 21
1001190663..... 161, 163
1001190921..... 716
1001190985..... 439
1001191275..... 544, 552, 560, 568, 576
1001191276..... 544, 552, 560, 568, 576
1001191394..... 783
1001191395..... 783
1001191620..... 228, 240, 261, 285
1001192401..... 716
1001193018..... 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603
1001193336..... 109, 111
1001193654..... 545, 553, 561, 569, 577
1001194197..... 595
1001194198..... 597
1001194200..... 599
1001194203..... 583
1001194204..... 587
1001194365..... 603
1001195039..... 298, 312
1001195304..... 784
1001195745..... 769
1001195746..... 769
1001196382..... 372, 376, 380, 384, 388, 392, 396
1001196589..... 715
1001196602..... 715
1001196604..... 716
1001196634..... 269, 669, 715, 779
1001196636..... 715, 721, 778
1001197017..... 485, 487
1001197272..... 544, 552, 560, 568, 576
1001197284..... 545, 553, 561, 569, 577
1001197719..... 680, 684
1001199035..... 769
1001199036..... 769
1001199177..... 117, 119
1001199207..... 166, 170, 174
1001199901..... 166, 170, 174
1001200128..... 770
1001200129..... 770
1001200130..... 770
1001200131..... 770
1001200132..... 770
1001200133..... 770
1001200134..... 770
1001200458..... 177
1001200491..... 439
1001200494..... 439
1001201351..... 439
1001201633..... 179
1001201634..... 179
1001201635..... 177
1001201636..... 177
1001202687..... 439
1001202749..... 783
1001202910..... 544, 552, 560, 568, 576
1001202940..... 544, 552, 560, 568, 577
1001202941..... 545, 553
1001202942..... 561, 569
1001202943..... 545, 553, 561, 569, 577
1001202944..... 553, 569, 577
1001202946..... 545, 553, 561, 569, 577
1001203434..... 637, 641
1001203435..... 645, 649, 653
1001203459..... 645, 649, 651, 653, 655, 657
1001203510..... 785
1001203512..... 785
1001203655..... 455
1001204481..... 783
1001204482..... 783
1001204510..... 739, 770
1001204715..... 431, 433, 435, 437
1001204725..... 439
1001204963..... 785
1001204996..... 782
1001204997..... 782
1001205008..... 782
1001205009..... 782
1001205958..... 591, 593, 595, 597, 599, 601
1001206314..... 166, 170, 174
1001206402..... 174
1001206404..... 174, 181
1001206405.....181
1001206437.....782
1001206439.....783
1001206440.....783
1001206476.....611
1001206532.....469
1001206625.....521
1001206917.....109, 113, 117
1001207332.....545, 553, 561, 569, 577
1001207333.....545, 553, 561, 569, 577
1001207340.....552
1001207341.....568
1001207349.....109
1001207350.....113
1001207726.....183
1001208874.....67, 69, 71
1001208994.....439
1001209059.....786
1001209432.....611
1001209474.....611
1001209618.....161
1001209664.....489
1001209677.....609
1001209832.....609
1001209844.....305, 319, 327
1001210037.....785
1001210636.....509
1001211336.....113, 115
1001211556.....265
1001211633.....174
1001211636.....174
1001211794.....305, 319
1001211797.....305, 319
1001211877.....343
1001211878.....343
1001212223.....396, 400
1001212257.....297, 311
1001212819.....174
1001212822.....174
1001212989.....305, 319
1001212993.....305, 319
1001213029.....368, 400
1001213062.....297, 311
1001213305.....305, 319
1001213425.....305, 319
1001213426.....305, 319
1001213447.....703
1001213448.....121, 123, 125, 127
1001213482.....305, 319
1001213599.....297, 311, 687
1001213824.....305, 319
1001213882.....469
1001214029.....771
1001214138.....305, 319
1001214162.....23
1001214174.....23, 33
1001214205.....305, 319
1001214207.....197, 209, 223, 257, 281, 301, 315
1001214233.....305, 319
1001214234.....305, 319

1001214269 319
1001214276 ..... 305, 319
1001214277 ..... 305, 319
1001214278 ..... 305, 319
1001214307 ..... 305, 319
1001214317 ..... 23, 39
1001214502 ..... 297, 312
1001214508 ..... 305, 319
1001214546 ..... 368, 400
1001214553 ..... 305, 319
1001214555 ..... 305, 319
1001214556 ..... 305, 319
1001214558 ..... 305, 319
1001214570 611
1001214571 611
1001214598 ..... 305, 320
1001214599 ..... 306, 320
1001214614 ..... 545, 561
1001214664 ..... 306, 320
1001214694 ..... 306, 320
1001214833 783
1001214841 ..... 306, 320
1001214909 367
1001214910 399
1001214975 ..... 201, 213
1001215125 ..... 306, 320
1001215228 469
1001215259 ..... 297, 312
1001215373 129
1001215509 23
1001215523 400
1001215801 ..... 297, 312
1001215869 ..... 306, 320
1001216080 312
1001216396 ..... 297, 312
1001216397 ..... 297, 312
1001216399 ..... 298, 312
1001216512 345
1001216547 345
1001216548 345
1001216549 345
1001216552 784
1001216598 170
1001216630 439
1001216655 ..... 545, 553, 561, 569, 577
1001216800 560
1001216801 544
1001216805 ..... 368, 400
1001216825 ..... 306, 320
1001216840 368
1001216914 782
1001217342 ..... 367, 399
1001217343 ..... 304, 318
1001217344 ..... 367, 399
1001217345 ..... 298, 312, 367, 399
1001217488 741
1001217494 ..... 297, 304, 312, 318
1001217785 ..... 297, 311
1001218538 107
1001218676 107
1001219130 107
1001219134 174
1001219601 ..... 129, 779
1001219794 784
1001220004 783
1001220266 254
1001220379 676
1001221203 285
1001221212 286
1001221402 143
1001221403 145
1001221405 147
1001221927 ..... 411, 421
1001222043 174
1001222044 174
1001222139 143
1001222140 145
1001222142 147
1001222660 279
1001223055 ..... 733, 735, 737
1001223122 ..... 261, 372, 376, 380, 384, 388, 392, 396
1001223309 347
1001223310 347
1001223328 347
1001223387 174
1001223453 ..... 733, 735, 737, 751, 753, 755, 765, 767
1001223454 347
1001223459 ..... 675, 679, 683
1001223899 417
1001223971 ..... 751, 753, 755
1001224048 ..... 761, 763
1001224049 ..... 765, 767
1001224050 ..... 747, 749
1001224052 ..... 743, 745
1001224053 ..... 757, 759
1001224888 ..... 427, 429
1001225346 ..... 611, 779
1001225430 ..... 243, 247, 266
1001225431 ..... 247, 266
1001225580 ..... 489, 701
1001225794 783
1001226400 ..... 617, 619
1001226531 611
1001226541 ..... 671, 716
1001226636 671
1001226637 671
1001226739 ..... 659, 661, 663, 665, 671
1001226799 ..... 661, 663, 665
1001226872 465
1001227453 659
1001227633 491
1001227634 491
1001227985 491
1001227987 491
1001227996 ..... 727, 729
1001228092 ..... 405, 407, 409, 521
1001228215 465
1001228224 ..... 491, 779
1001228225 ..... 491, 779
1001228243 461
1001228375 463
1001228376 457
1001228377 459
1001228406 ..... 166, 170, 174
1001228487 ..... 95, 98
1001228492 95
1001228954 663
1001228955 663
1001228988 ..... 505, 773, 775
1001229341 491
1001229795 691
1001229796 691
1001229798 ..... 298, 312, 691
1001230635 ..... 228, 240, 261, 286
1001230907 629
1001230908 371
1001230934 ..... 675, 680, 684
1001230935 ..... 675, 680, 684
1001230936 ..... 675, 680, 684
1001231195 ..... 109, 111, 113, 115, 779
1001231235 785
1001231801 769
1001231886 161
1001231949 483
1001231950 ..... 479, 481
1001232010 ..... 479, 481, 483
1001232011 ..... 479, 481, 483
1001232066 741
1001232164 491
1001232165 491
1001232642 493
1001232667 ..... 493, 779
1001232842 269
1001232907 185
1001232908 185
1001232913 185
1001232915 185
1001232916 185
1001232917 185
1001233047 782
1001233048 185
1001233075 185
1001233076 185
1001233077 185
1001233079 785
1001233139 19
1001233412 185
1001233413 185
1001233436 185
1001233763 ..... 233, 269
1001233959 ..... 153, 475
1001234800 ..... 675, 679, 684
1001234811 ..... 419, 425
1001235528 ..... 131, 133, 135
1001235529 ..... 131, 133, 135
1001235531 ..... 133, 139
1001235949 ..... 228, 240, 261, 273
1001236091 ..... 153, 475
1001236250 297
1001236252 311
1001236254 ..... 297, 301
1001236256 ..... 301, 304
1001236257 ..... 305, 319
1001236258 ..... 312, 315
1001236259 ..... 315, 318
1001236303 87
1001236304 611
1001236393 ..... 305, 319, 323
1001236496 786
1001236504 611
1001236505 611
1001236552 493
1001236746 483
1001236747 479
1001236780 261
1001236891 ..... 477, 479, 481, 483
1001236895 ..... 477, 479, 481, 483
1001236965 121
1001237138 409
1001237139 409
1001237142 415
1001237143 409
1001237546 ..... 151, 153, 475
1001237549 185
1001237667 ..... 703, 715
1001237668 ..... 703, 715
1001237697 ..... 415, 519
1001237698 ..... 409, 529
1001237822 ..... 121, 123, 125, 127
1001237863 ..... 491, 727
1001237864 ..... 491, 729
1001237865 ..... 491, 725
1001237882 783
1001237883 783
1001237888 ..... 497, 499
1001237891 499
1001237898 ..... 497, 499
1001237902 ..... 497, 499, 779
1001237949 415
1001238160 719
1001238168 419
1001238254 ..... 469, 703
1001238263 ..... 477, 479, 481, 483
1001238319 491
1001238328 ..... 415, 419
1001238333 419
1001238398 419
1001238418 ..... 493, 723
1001238421 ..... 439, 784
1001238463 481
1001238472 493
1001238495 489

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001238559.....493
1001238887.....131, 137
1001238911.....261
1001238932.....87
1001239202.....679, 683
1001239293.....123, 127, 139, 147
1001239294.....121, 137
1001239512.....121, 123, 125, 127
1001239802.....63
1001241162.....497
1001241396.....783
1001241402.....783
1001241547.....785
1001241548.....785
1001241965.....493
1001242106.....123
1001242538.....733
1001242559.....735
1001242561.....757
1001242562.....759
1001242563.....761
1001242564.....763
1001242565.....765
1001242566.....767
1001242567.....751
1001242568.....753
1001242569.....747
1001242570.....749
1001242571.....743
1001242572.....745
1001242639.....782
1001242680.....151, 473
1001242851.....157
1001242852.....159
1001243092.....497
1001243183.....782
1001243184.....782
1001243205.....497
1001243414.....166, 170, 174
1001243699.....770
1001243700.....769
1001243869.....357
1001243870.....357
1001243895.....269
1001244019.....353
1001244024.....355
1001244283.....253
1001244335.....499
1001244336.....497
1001244462.....187
1001244671.....499
1001244709.....499
1001244710.....499
1001244732.....499
1001244733.....499
1001244873.....405
1001244874.....405, 411
1001244975.....467
1001244976.....467, 469
1001245195.....53
1001245196.....53
1001245197.....53
1001245198.....53
1001245211.....53
1001245305..... 254
1001245379..... 135, 141
1001245380..... 125, 141
1001245658..... 769
1001245827..... 149
1001245831..... 149
1001245839..... 683
1001245993..... 125
1001246087..... 107
1001246142..... 782
1001246144..... 665
1001246145..... 661
1001246389..... 497
1001246456..... 665
1001246457..... 661
1001246773..... 433
1001246859..... 129, 715
1001246860..... 785
1001246867..... 785
1001247048..... 413, 417
1001247073..... 785
1001247252..... 497
1001247359..... 306, 320
1001247468..... 439, 779
1001247656..... 383
1001247800..... 785
1001248140..... 477, 479, 481, 483
1001248141..... 477, 479, 481, 483
1001248182..... 623, 653, 655, 657
1001248183..... 625, 653, 655, 657
1001248190..... 384
1001249052..... 785
1001249356..... 71, 81
1001249357..... 71
1001249499..... 782
1001249695..... 785
1001249941..... 785
1001249965..... 243
1001250035..... 785
1001250287..... 166, 174
1001250288..... 170
1001250289..... 166, 170, 174
1001250595..... 785
1001250681..... 121, 123, 125, 127
1001250764..... 733, 735, 737, 739, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769
1001251012..... 417, 523
1001251075..... 411, 413, 533
1001252527..... 675, 680, 684
1001252629..... 477, 479, 481, 483
1001252922..... 545, 553, 561, 569, 577
1001252923..... 545, 553, 561, 569, 577
1001253375..... 701
1001253618..... 783
1001253619..... 783
1001253726..... 495
1001254472..... 493
1001254473..... 493
1001254665..... 733
1001254666..... 733
1001254667..... 751
1001254668..... 751
1001254669..... 761
1001254670..... 761
1001254671..... 747
1001254672..... 747
1001254673..... 743
1001254674..... 743
1001254675..... 765
1001254676..... 765
1001254677..... 757
1001254678..... 757
1001254750..... 735
1001254751..... 753
1001254752..... 763
1001254753..... 749
1001254754..... 745
1001254755..... 767
1001254756..... 759
1001255133..... 439
1001255807..... 782
1001255901..... 669
1001256412..... 783
1001256413..... 783
1001256414..... 783
1001256506..... 676
1001256507..... 675
1001256879..... 254
1001257271..... 477
1001257274..... 477
1001257275..... 477
1001258005..... 477
1001258112..... 286, 289
1001258230..... 783
1001258495..... 727, 729
1001258502..... 286
1001258505..... 349
1001258715..... 784
1001258730..... 497, 499
1001258800..... 383
1001258804..... 261
1001258895..... 49
1001258896..... 49
1001258897..... 49
1001258898..... 49
1001258941..... 278
1001258942..... 279, 281
1001258943..... 281, 284
1001259083..... 351
1001259086..... 349
1001259087..... 279, 351
1001259088..... 349
1001260412..... 228, 240, 261
1001260420..... 228, 240, 261
1001260524..... 497
1001260525..... 497, 499
1001260576..... 286
1001260680.....645, 647, 649, 651
1001261045.....383
1001261085.....383
1001262016.....785
1001262322.....659
1001262326.....659
1001262959.....782
1001263176.....163
1001263800.....525
1001264991.....419, 525
1001265163.....509
1001265342.....509
1001266056.....784
1001266098.....784
1001266290.....784
1001266489.....784
1001267304.....769
1001267305.....769
1001268737.....783
1001269187.....784
1001269297.....51
1001269298.....51
1001269322.....505
1001269389.....784
1001269573.....505
1001269629.....783
1001269630.....783
1001269631.....783
1001269655.....784
1001270482.....784
1001270503.....783
1001270508.....783
1001270509.....783
1001270510.....783
1001270514.....783
1001270594.....155
1001270716.....786
1001270755.....786
1001271497.....703
1001271642.....784
1001272082.....783
1001272083.....783
1001272166.....784
1001272196.....783
1001272659.....667
1001272681.....157
1001272682.....159
1001272997.....669
1001273012.....667, 669
1001274249.....785
1001274559.....137, 139, 141, 469, 779
1001274829.....784
1001274830.....784
1001274832.....784
1001275628.....469
1001275629.....469
1001275635.....544, 552, 560, 568, 576
1001275642.....784
1001275643.....784
1001275644.....784
1001276007.....782
1001276008.....782
1001276610.....667

1001276643 ..... 228, 240, 261, 286, 679
1001276923 782
1001277432 ..... 201, 213, 262, 286
1001277589 ..... 262, 265
1001277594 ..... 257, 260
1001277600 ..... 254, 257
1001277640 785
1001277648 785
1001277839 785
1001278022 ..... 25, 37
1001280270 286
1001280340 129
1001281192 383
1001281298 ..... 291, 293
1001281301 ..... 291, 293
1001281302 293
1001281304 291
1001281305 291
1001281307 291
1001281309 291
1001281310 ..... 291, 293
1001281311 ..... 291, 293
1001281359 ..... 291, 293
1001281360 ..... 291, 293
1001281380 293
1001281452 784
1001281453 784
1001281454 784
1001281455 784
1001281456 784
1001281457 784
1001281458 784
1001281460 784
1001281461 784
1001281656 ..... 291, 293
1001281760 415
1001281886 415
1001281887 ..... 409, 415
1001281985 ..... 228, 240, 286
1001281986 ..... 228, 240, 286
1001282095 ..... 415, 535
1001282106 ..... 153, 475
1001282215 785
1001282532 ..... 121, 123, 125, 127, 721
1001282649 409
1001283125 429
1001283401 653
1001283447 657
1001283452 655
1001283463 737
1001283464 737
1001283471 755
1001283472 755
1001283568 737
1001283574 755
1001283776 ..... 155, 613
1001283881 577
1001283882 577
1001283883 577
1001283884 576
1001284515 783
1001284583 473
1001284678 769
1001285010 25
1001285142 ..... 174, 183
1001285143 174
1001285517 ..... 166, 170, 179
1001285518 ..... 166, 170
1001285636 291
1001285811 ..... 187, 783
1001285871 782
1001285891 187
1001285892 187
1001285931 769
1001285932 769
1001286148 ..... 111, 115, 119
1001286149 111
1001286150 115
1001286568 285
1001287427 577
1001287428 577
1001287536 291
1001287552 291
1001287643 285
1001288113 291
1001288195 435
1001288196 437
1001288258 437
1001288259 127
1001288260 437
1001288266 285
1001288297 783
1001288298 783
1001288366 286
1001288384 782
1001288775 782
1001289752 769
1001289753 769
1001289831 785
1001289832 785
1001289884 783
1001289905 785
1001289906 785
1001290331 770
1001290385 293
1001291401 ..... 228, 240, 262, 286
1001293086 ..... 372, 384, 629
1001293176 782
1001294763 770
1001294815 770
1001295060 293
1001295061 293
1001295062 293
1001295063 293
1001295064 293
1001295067 293
1001295068 293
1001295242 417
1001296426 699
1001297092 293
1001297093 293
1001297094 293
1001297385 133
1001297386 135
1001297390 131
1001299569 783
1001299766 ..... 121, 123, 125, 127, 697
1001301483 ..... 121, 123, 125, 127, 715
1001302868 17
1001302954 ..... 228, 240, 247
1001302955 ..... 223, 226
1001302956 ..... 235, 238
1001302961 ..... 221, 223
1001302964 ..... 233, 235
1001302969 220
1001302973 232
1001303167 785
1001303430 495
1001311034 ..... 493, 779
1060341 ..... 485, 487
1060343 ..... 392, 396, 400
1060494 ..... 360, 364, 368
1060626 ..... 205, 232, 311
1060903 ..... 485, 487
1060908 ..... 631, 633, 635
1060918 471
1062255 254
10702077 ..... 388, 393, 397, 401
10702082 ..... 388, 393, 397, 401
10740145 81
10836804 ..... 137, 139, 141
1120555 495
1260017 105
1300018 51
1320016 ..... 200, 212
1320061 253
1320176 341
1320187 ..... 193, 205, 220, 232, 253, 278
1320190 ..... 193, 205, 220, 232, 253, 278
1320218 63
1320220 63
1320223 ..... 205, 232, 311
1320224 ..... 194, 206
1320302 ..... 501, 503, 505
1321283 ..... 297, 311
1321716 ..... 109, 111, 113, 115, 226, 238, 260, 278, 359, 363, 371, 376, 380, 383, 388, 392, 396
1380147 357
1580011 ..... 304, 318
1580012 507
1580013 784
1670603 603
1670769 ..... 645, 647, 649, 651, 653, 655, 657
1671092 ..... 392, 396, 400
1671093 503
1684290 515
1700818 769
1701499 ..... 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
1701500 ..... 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
1701504 ..... 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
1701505 ..... 193, 205, 220, 232, 253, 278, 769
1701509 ..... 495, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
1701518 ..... 739, 741
1701529 ..... 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
1701542 ..... 297, 311, 769
1701543 ..... 297, 311, 769
1702300 ..... 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
1702565 469
1702566 469
1702567 469
1702720 769
1702773 ..... 455, 741, 769, 770
1702774 ..... 769, 770
1702861 ..... 769, 770
1702868 ..... 505, 733, 735, 737, 769, 775, 782
1702941 ..... 205, 232, 311
1702942 ..... 205, 232, 311
1702943 ..... 205, 232, 311
1702944 ..... 205, 232, 311
1702968 55
1703162 ..... 200, 212, 226, 238, 260, 284, 304, 318
1703797 ..... 733, 735, 737
1703798 ..... 733, 735, 737
1703804 ..... 733, 735, 737
1703805 ..... 733, 735, 737
1703923 ..... 765, 767
1703924 ..... 751, 753, 755
1703925 ..... 747, 749
1703926 ..... 757, 759
1703927 ..... 761, 763
1703928 ..... 743, 745
1703929 ..... 765, 767
1703930 ..... 751, 753, 755
1703931 ..... 747, 749
1703932 ..... 757, 759
1703933 ..... 761, 763
1703934 ..... 743, 745
1703935 ..... 765, 767
1703936 ..... 751, 753, 755

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

1703937.....747, 749
1703938.....757, 759
1703939.....761, 763
1703940.....743, 745
1703941.....765, 767
1703942.....751, 753, 755
1703943.....747, 749
1703944.....757, 759
1703945.....761, 763
1703946.....743, 745
1703947.....765, 767
1703948.....751, 753, 755
1703949.....747, 749
1703950.....757, 759
1703951.....761, 763
1703952.....743, 745
1703953.....733, 735, 737
1703980.....757, 759
1703981.....761, 763
1703982.....747, 749
1703983.....765, 767
1703984.....751, 753, 755
1703985.....743, 745
1704000....751, 753, 755, 769, 782
1704001.....765, 767
1704002.....743, 745
1704260.....469
1704271.....769
1704277.....737, 741, 755
1704412....733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
1704578.....55
1704885.....769, 770
1704972.....770
1705014.....455
1705305.....505, 773, 775
1705325.....583, 585
1705351.....733, 735, 737
1705355.....773, 775
1705358.....769
1705374....375, 379, 605, 607
1705375.....393, 397, 401
1705387....375, 379, 393, 397, 401
1705426.....757, 759
1705427.....761, 763
1705429.....751, 753, 755
1705430.....747, 749
1705460....389, 393, 397, 401
1705461.....389
1705489....371, 383, 388, 389
1705822.....739, 741
1705828.....739, 741
1705910.....765, 767
1705921.....739, 741
1705961.....739, 741
1706059.....770
1706060.....770
1706061.....770
1706062.....770
1706063..... 770
1706064..... 770
1706098..... 770
1706385..... 455
2030010.... 501, 503, 505
2060025..... 200, 212
2060404... 545, 552, 560, 569, 577
2080040... 383, 443, 445, 447, 457, 461, 609
2080069..... 497, 499
2110810... 544, 552, 560, 568, 576
2110812... 544, 552, 560, 568, 576
2111216... 544, 552, 560, 568, 576
2131212... 544, 552, 560, 568, 576
2131216... 544, 552, 560, 568, 576
2180125..... 63
2180348... 193, 205, 297, 311
2180387..... 63
2180388..... 63
2180389..... 63
2180418..... 63
2180504..... 306, 320
2180832... 220, 232, 253, 278
2200261... 201, 213, 262, 286
2220005..... 63
2220124..... 103
2220237..... 544, 560
2220238.55, 93, 544, 560
2220261..... 63, 304, 318
2220273..... 103
2220313... 193, 205, 220, 232, 253, 278
2220315..... 304, 318
2220366... 544, 552, 560, 568, 576
2220371... 544, 552, 560, 568, 576
2220372..... 55, 544, 552, 560, 568, 576
2220373... 544, 552, 560, 568, 576
2220374... 544, 552, 560, 568, 576
2220375... 544, 552, 560, 568, 576
2220377... 544, 552, 560, 568, 576
2220415..... 544, 560
2220451... 200, 212, 544, 552, 560, 568, 576
2220466... 544, 552, 560, 568, 576
2220468... 544, 552, 560, 568, 576
2220472.... 560, 568, 576
2220473... 544, 552, 560, 568, 576
2220497... 544, 552, 560, 568, 576
2220500.... 552, 568, 576
2220501... 544, 552, 560, 568, 576
2220502... 544, 552, 560, 568, 576
2220579..... 55
2220582... 544, 552, 560, 568, 576
2220596.... 552, 568, 576
2220600... 544, 552, 560, 568, 576
2220603.... 552, 568, 576
2220628... 544, 552, 560, 568, 576
2220648..... 63
2220695... 544, 552, 560, 568, 576
2220726... 544, 552, 560, 568, 576
2220767.... 220, 232, 278
2220775... 544, 552, 560, 568, 576
2220881.... 517, 519, 533
2220883... 35, 39, 41, 74, 78, 82, 85, 515, 519, 521, 523, 535
2220885... 523, 529, 533, 535
2220886..... 35, 533, 535
2220887..... 117, 119
2220906... 544, 552, 560, 568, 576
2220923... 544, 552, 560, 568, 576
2220946... 544, 552, 560, 568, 576
2220947... 544, 552, 560, 568, 576
2220998... 544, 552, 560, 568, 576
2221018..... 63
2221019..... 63
2221024..... 63
2221040.... 552, 568, 576
2221052..... 55
2221086..... 41, 544, 552, 560, 568, 576
2400060.... 269, 509, 703
2400066..... 693
2400082..... 691, 779
2410014..... 455
2420203.... 359, 364, 368
24431386..... 298, 312
2460048..... 387, 391
2460055..... 359
2540020.... 155, 157, 159
2560136..... 469
2560187... 177, 179, 181, 183
2580024.... 205, 232, 311
2580062..... 212
2600281... 443, 445, 447, 457, 461
2720015... 226, 238, 260, 284
2720058....193, 205, 306, 320
2720144.....63
2720271.....306, 320
2720340.....226, 238, 260
2720392.....63
2720398.....200, 213
2720447.....200, 213
2720615.....306, 320
2720644.....304, 318
2750532....193, 205, 220, 232, 253
2752500....545, 553, 561, 569, 577
2780267.....23, 25, 27
2780268.....25, 31
2820031....359, 363, 367, 371, 375, 379, 383, 387, 391, 395, 399
2820035.....269
2820247.....727, 729
2840016.....357
2860030....143, 145, 147, 149, 779
2900756.....41
2900770....73, 77, 78, 81, 82, 517, 519, 533, 535
2900792.....523, 525
2902065....200, 213, 226, 238, 260, 275, 284
2902212.....495
2902217.....501, 503
2902266.....515
2902443....673, 675, 679, 683
2902549.....629, 631
2915102.....782
2940045.....183
2940074....443, 445, 447, 457, 461, 779
2940173....177, 179, 181, 183
3020039.....17
3124242.....495
3160351.....23, 35
3250872.....55
3251102.....371, 383
3251242....587, 589, 591, 593, 595, 597, 599, 601, 603
3251243....359, 363, 367, 375, 379, 393, 397, 401, 733, 735, 737, 743, 745, 751, 753, 755, 765, 767
3252347.....733, 735, 737
3252764....387, 392, 395, 399
3271601.....166, 170, 174
3271605....477, 479, 481, 483
3271805.....455
3272001....477, 479, 481, 483
3290401.....63
3290405....155, 157, 159, 187, 435, 437, 509,

583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603
3290505 ... 375, 379, 388, 392, 395, 399
3290601 ... 161, 163, 177, 179, 181, 183, 544, 552, 560, 568, 576
3290605 87, 89, 121, 123, 125, 127, 129, 157, 159, 174, 183, 193, 200, 205, 212, 220, 226, 232, 238, 253, 260, 278, 284, 297, 311, 343, 345, 347, 359, 363, 367, 371, 375, 379, 383, 388, 392, 395, 399, 435, 437, 609, 629
3290606 ... 449, 451, 453, 459, 463
3290607 ..... 304, 318
3290801 ..... 304, 318
3290805 ..... 55, 193, 200, 205, 212, 220, 226, 232, 238, 253, 260, 278, 284, 297, 304, 311, 318, 343, 345, 347, 353, 355, 359, 363, 367, 371, 375, 379, 388, 392, 395, 399, 611, 637, 639, 641, 645, 647, 649, 651
3290806 439
3291001 ... 121, 123, 125, 127, 226, 238, 260, 284, 304, 318, 439
3291005 ... 103, 109, 111, 113, 115, 121, 123, 125, 127, 166, 170, 174, 177, 179, 181, 183, 185, 193, 200, 205, 212, 220, 226, 232, 238, 253, 260, 278, 284, 297, 304, 311, 318, 345, 359, 363, 367, 417, 419, 427, 429, 435, 437, 439, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
3291201 ..... 93, 304, 318, 363, 367, 371, 375, 379, 383, 388, 392, 395, 399, 439
3291205 ... 284, 357, 405, 407, 409, 411, 413, 415, 439
3291602 95
3291605 .... 405, 407, 409
3292001 93
3300106 ..... 23, 25
3300151 ... 449, 451, 453, 457, 459, 461, 463, 465, 501, 503, 505
3300220 87, 89, 200, 212, 227, 239
3300353 469
3300396 ... 376, 380, 388, 393, 396, 400
3300408 .... 151, 153, 475
3300430 ..... 489, 499
3310401 .... 226, 238, 284
3310601 357
3311001 ... 271, 273, 359, 363, 367, 376, 380, 388, 393, 396, 400
3311005 .... 501, 503, 505
3311401 ..... 485, 487
3311405 ... 467, 493, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603, 611, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
3311501 ... 117, 121, 123, 125, 127, 166, 170, 174, 485, 487
3311505 ..... 166, 170
3311601 ..... 63, 166, 170, 174, 469, 493
3311605 ..... 55, 226, 238, 271, 273, 455, 467, 501, 503, 505
3311705 .... 359, 363, 367
3311801 ..... 23, 25
3312002 ... 477, 479, 481, 483
3312005 ..... 57, 495
3312205 495
3321001 87, 89, 200, 212, 227, 239
3331211 ... 353, 355, 359, 363, 371, 375, 379, 388, 392, 399
3331215 ... 200, 212, 226, 238, 260, 278, 284
3340956 495
3380434 467
3420352 57
3420372 57
3421565 105
3422532 ... 193, 205, 220, 232, 253, 278, 297, 311
3422793 413
3422848 21
3422860 417
3422861 ..... 417, 419
3422867 ..... 417, 419
3423304 ..... 19, 21
3430616 469
3430820 357
3450404 357
3460334 495
3470003 469
3520028 .... 359, 364, 368
3520054 ... 200, 212, 226, 238, 260, 284, 469
3520071 495
3520072 ... 443, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465
3520189 388
3520192 388
3520198 .... 443, 445, 447, 449, 451, 453, 457, 459, 461, 463, 465
3573400 ..... 501, 503, 505
3573642 ..... 501, 503
3574091 487
3575359 485
3577121 ..... 501, 503, 505
3580158 359
3580276 359
3580317 .... 371, 375, 379, 383, 388, 392, 395, 399
3580318 .... 375, 379, 392, 395, 399
3580319 ..... 371, 383, 388
3580320 .... 363, 371, 375, 379, 388, 392, 395
3600242 235
3641569 485
3740067 87, 89, 200, 212
3740080 .... 360, 363, 367, 693, 779
3740086 ..... 723, 779
3740140 ..... 200, 212, 778
3760133 ..... 411, 413, 415
3760170 ..... 57, 105
3790012 .... 123, 125, 127, 297, 311, 469
3790045 235
3790152 .... 197, 209, 223, 235, 257, 281, 301, 315
3820001 ..... 55, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
3820020 .... 443, 445, 447, 457, 461
3841143 19, 21, 193, 205, 220, 232, 253, 278, 297, 311, 411, 417, 419, 439
3841203 ..... 17, 405, 407, 409, 413, 415
3841258 ..... 405, 407, 409
3841340 .... 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
3900054 455
3900267 ..... 376, 380
3900295 21
3900300 ..... 376, 380
3900332 63
3900349 469
3910408 ..... 226, 238, 284
3910606 .... 375, 379, 392, 395, 399, 605, 607
3910610 ..... 357, 581
3910804 .... 143, 145, 147, 149
3911010 ..... 151, 473
3931408 489
3931512 .... 226, 238, 260, 284
3931618 ... 197, 209, 223, 257, 281, 301, 315
3931620 235
3931628 .... 363, 379, 395
3960389 185
3960407 ..... 200, 212
3960422 ... 375, 379, 392, 395, 399, 581, 605, 607
3960526 ..... 23, 25
4010618 ... 449, 451, 453, 459, 463
4031505 491
4031507 187
4031509 .... 155, 157, 159
4031516 493
4031914 ... 226, 238, 260, 284
4032014 .... 363, 379, 395
4032015 ... 371, 375, 388, 392
4060802 ... 360, 363, 367, 371, 375, 379, 383, 388, 392, 395, 399
4060805 ... 200, 213, 226, 238, 260, 284, 306, 320
4070450 57
4070560 57
4070561 57
4070897 .... 411, 413, 415
4070898 .... 411, 413, 415
4071009 95
4160182 ..... 166, 170
4240018 ... 544, 552, 560, 568, 576, 605, 607
4240032 ... 121, 123, 125, 127, 155, 226, 238, 262, 286, 659, 661, 663, 665, 667
4240033 .... 489, 491, 493
4240099 ... 121, 123, 125, 127, 157, 159, 193, 200, 205, 212, 220, 226, 232, 238, 260, 269, 278, 284, 297, 304, 311, 318, 360, 363, 367, 371, 375, 379, 383, 388, 392, 395, 399, 469, 485, 487, 501, 503
4240149 495
4280296 ..... 59, 61
4360057 .... 485, 487, 779
4360070 ... 376, 380, 388, 393, 396, 400, 778
4360274 149
4360328 ... 123, 125, 127, 779
4360336 ... 360, 363, 367, 371, 375, 379, 383, 388, 392, 395, 399, 779
4360387 ... 147, 149, 469, 779
4360407 ..... 469, 779
4360469 ... 143, 145, 147, 149, 779
4360476 .... 137, 139, 141
4360517 ..... 93, 779

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

4360542....359, 364, 368, 778
4400275.....63
4420014.....495
4420037.....501, 503, 505
4420051.....55, 769
4420066.....495
4460019.....679, 683
4460027.....359, 364, 368
4460042....279, 676, 679, 683, 687, 715
4460043....269, 675, 679, 683
4460049.....485, 487
4460071....375, 379, 392, 395, 399, 471, 581
4460115.....680
4460134.....360, 364, 368
4460138.....360, 364, 368
4460183.....703, 715
4460190.....359, 364, 368
4460205.....581
4460225....388, 392, 395, 399, 695, 703
4460226....471, 485, 487, 716
4460227.....703
4460234....121, 123, 125, 127, 155, 469, 485, 487, 659, 661, 663, 665
4460247.....675, 679, 683
4460259....509, 697, 703, 716
4460260....509, 697, 699, 703, 716
4460267.....703
4460268....359, 364, 368, 695
4460313....673, 715, 719, 721
4460315.....581
4460321.....359, 364, 368
4460346....375, 379, 392, 395, 399, 581
4460384.....603
4460418.....697, 703
4460419.....697, 703
4460424.....716
4460425....376, 380, 388, 393, 397, 400, 485, 487, 605, 607
4460426....376, 380, 388, 393, 397, 400
4460428.....469
4460434.....703
4460458....675, 680, 684, 716
4460464....157, 159, 431, 433, 435, 437, 471, 509, 613, 615, 621, 623, 625, 627, 669, 671, 689, 693, 701, 703, 715, 716, 723
4460465....155, 161, 163, 431, 433, 435, 437, 509, 615, 617, 619, 621, 623, 625, 627, 671, 673, 675, 676, 679, 683, 687, 695, 701, 703, 715, 716, 719, 721
4460466... 121, 123, 127, 298, 312, 491, 497, 509, 613, 615, 617, 619, 621, 623, 625, 671, 673, 675, 676, 679, 683, 687, 693, 701, 703, 715, 716, 719, 723, 725
4460467..... 785
4460470... 121, 123, 125, 127, 469
4460471... 121, 123, 125, 127, 469
4460473..... 617, 619
4460496... 121, 123, 125, 127
4460497... 121, 123, 125, 127
4460508.... 491, 703, 716
4460509..... 617, 619
4460510..... 785
4460518..... 615
4460536... 129, 431, 433, 435, 499, 621, 623, 625, 627, 703
4460539... 431, 433, 435, 621, 623, 625, 627, 679, 683, 703, 719, 721
4460612..... 605, 607
4460662... 595, 597, 599, 603
4460693..... 687
4460702..... 716
4460703... 675, 679, 683, 716
4460705.... 359, 364, 368
4460708..... 703
4460722..... 269
4460742..... 716
4460746.... 675, 679, 683
4460748.... 675, 679, 684
4460761..... 703
4460806... 591, 593, 595, 597
4460807..... 695
4460808..... 695
4460865..... 617, 619
4460866..... 703, 716
4460871... 161, 163, 697, 699, 703, 715, 719, 721
4460872..... 719, 721
4460873..... 703, 715
4460874..... 703, 715
4460875.... 703, 719, 721
4460876..... 697
4460878..... 715
4460879..... 509, 703
4460884... 509, 679, 683, 701, 715, 721
4460887.... 509, 703, 715
4460891... 155, 161, 163, 615, 676, 689, 716, 719, 721
4460894... 671, 673, 676, 679, 683, 687, 703, 715, 719, 721
4460897... 157, 159, 613, 689
4460899... 437, 627, 699, 701, 716, 723, 725
4460905... 697, 703, 715, 719, 721
4460906..... 693
4460910..... 729
4460911..... 725
4460928..... 615
4460930... 123, 127, 298, 312, 621, 623, 673, 676, 679, 683, 715
4460931... 121, 123, 127, 497, 613, 625, 715, 716
4460932.... 509, 669, 689
4460933.... 615, 703, 716
4460941..... 689, 725
4460942... 491, 676, 679, 683, 689
4460943... 129, 497, 499, 715, 725
4460944... 675, 676, 679, 683
4460956..... 631, 633
4460957..... 631, 633
4460958..... 607
4460961.... 359, 364, 368
4460962..... 503
4460963.... 393, 397, 400
4460967..... 715
4460968..... 583, 587
4460970..... 703
4460977..... 691
4461005..... 673
4461008... 673, 675, 679, 683
4461052..... 673
4461054.... 676, 679, 683
4461070..... 615, 675
4461071... 673, 675, 679, 683
4461072... 673, 675, 679, 683
4461073... 673, 675, 679, 683
4461074... 673, 675, 679, 683
4461077..... 723, 725
4461095.... 615, 673, 675
4461109..... 687
4461111..... 687
4461113..... 687
4461121..... 687
4461122..... 687
4461123..... 687
4461124..... 687
4461196..... 705
4461198..... 583, 705
4461199..... 707
4461201..... 587, 707
4461205..... 709, 711
4461244..... 595, 709
4461245..... 597, 711
4461246.....599, 713
4461249.....713
4520216.....43
4520240.....45
4520259.....47
4530028.....501, 503, 511
4640261.....55
4640452.....533, 535
4640509.....523, 525
4640751....226, 238, 260, 284
4640858.....515
4641122....43, 45, 47, 49, 51, 53
4641390.....521
4710400.....226, 238, 284
4711000....121, 123, 125, 127, 271, 273, 376, 380, 388, 393, 397, 401
4711400....177, 179, 181, 183, 449, 451, 453, 457, 459, 461, 463, 465, 489, 493, 497, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603
4711500 87, 89, 166, 170, 193, 205, 220, 226, 232, 238, 253, 260, 278, 284, 297, 311
4711600....166, 170, 174, 271, 273, 371, 375, 379, 383, 388, 392, 395, 469, 477, 479, 481, 483
4711700....125, 360, 363, 367
4711800.....455
4712000....477, 479, 481, 483, 495
4712200.....495
4740086.....19, 21
4740155.....21
4740158.....17
4740362.....467
4740397.....123, 127
4740439.....417
4740491.....21
4750600.....357
4751000....109, 111, 113, 115, 360, 363, 367, 501, 503, 505
4751400....117, 119, 467, 469, 485, 487, 499, 501, 503, 505, 507, 611, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767
4751500....360, 363, 367, 485, 487
4751600....226, 238, 467, 501, 503, 505
4751800.....455, 485, 487
4752000.....57
4760600.....581

4761000 87, 89, 200, 212, 227, 239
4761400 507
4770600 357
4811400 ... 155, 157, 159, 435, 437, 509, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603
4811600 ... 351, 375, 379, 388, 392, 395, 399
4811700 87, 89, 121, 123, 127, 129, 157, 159, 161, 163, 177, 179, 181, 183, 193, 200, 205, 212, 220, 232, 253, 260, 278, 297, 304, 311, 318, 360, 363, 367, 371, 375, 379, 383, 388, 392, 395, 399, 449, 451, 453, 459, 463, 544, 552, 560, 568, 576, 609, 629, 645, 647, 649, 651, 653, 655, 657
4811702 ... 226, 238, 254, 260, 278, 284, 304, 318, 343, 345, 347, 384, 544, 552, 560, 568, 576, 609
4811900 ..... 55, 174, 193, 200, 206, 212, 220, 226, 232, 238, 253, 260, 278, 284, 297, 304, 311, 318, 353, 355, 360, 363, 367, 371, 375, 379, 388, 392, 395, 399, 439, 611, 637, 639, 641, 645, 647, 649, 651
4811902 ... 166, 170, 193, 205, 220, 232, 253, 260, 278, 286, 304, 318
4812000 ... 23, 25, 67, 69, 71, 87, 89, 103, 109, 111, 113, 115, 121, 123, 125, 127, 166, 170, 174, 177, 179, 181, 183, 185, 193, 200, 205, 212, 220, 226, 232, 238, 253, 260, 278, 284, 297, 304, 311, 318, 349, 351, 360, 363, 367, 380, 383, 396, 411, 413, 415, 427, 429, 435, 437, 439, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657
4812002 . 67, 69, 71, 109, 111, 113, 115, 121, 123, 125, 127, 166, 170, 174, 260, 345
4812100 ..... 93, 193, 205, 220, 226, 232, 238, 253, 260, 278, 284, 291, 297, 311, 357, 371, 375, 388, 392, 411, 413, 415, 439
4812102 55
4812200 ... 200, 212, 227, 239, 260, 285, 298, 312, 353, 355, 360, 363, 368, 371, 375, 379, 388, 392, 400
4844816 417
4844817 ..... 417, 419
4846562 495
4846627 ..... 501, 503
4846673 487
4860214 51
4871700 87, 89, 371, 375, 379, 383, 388, 392, 395
4891600 55, 63, 197, 209, 223, 235, 257, 281, 301, 315, 439
4891800 23, 25, 197, 209, 223, 235, 257, 281, 301, 315
4892000 ..... 23, 25, 101
4892600001 439
4922641 ... 360, 364, 368, 372, 376, 380, 384, 388, 392, 396, 400
4922802 643
4922803 ..... 651, 657
4922925 ... 388, 392, 395, 399
4923451 ..... 201, 212
5240800 ... 193, 205, 220, 232, 253, 278, 297, 304, 311, 318
5241200 . 17, 19, 21, 200, 212, 227, 239, 260, 278, 285, 304, 318, 353, 355, 360, 363, 367, 371, 375, 379, 383, 388, 392, 395, 400, 439
5241400 ..... 304, 318
5241600 ..... 21, 95
5242000 95
5250605 ..... 304, 318
5250808 ... 371, 376, 380, 388, 392, 396
5250810 ... 227, 239, 371, 376, 380, 383, 388, 392, 396
5251008 ... 411, 413, 415, 431, 433, 435, 437, 439
5251009 .... 411, 413, 415
5251011 .... 411, 413, 415
5251012 23, 25, 131, 133, 135, 174
5251014 ... 59, 61, 67, 69, 71, 166, 170
5251016 ..... 17, 439
5251215 ... 193, 205, 220, 232, 253, 260, 297, 311
5260800 ... 371, 376, 380, 383, 388, 392, 396
5261000 .... 131, 133, 135
5261018 ..... 177, 639
5261200 .... 193, 205, 220, 232, 253, 260, 297, 311
70000342 ... 421, 423, 425
70000345 ..... 216, 265
70000450 8 243
70000619 .. 387, 391, 395, 399
70000781 ..... 39, 41
70000787 216
70000793 275
70000797 35
70000800 215
70000851 216
70000863 .. 387, 391, 396, 400
70000912 215
70000913 215
70000914 215
70000915 215
70000916 215
70000917 215
70000918 215
70000919 216
70000931 216
70001002 215
70001100 .. 387, 391, 396, 400
70001181 215
70001349 ..... 27, 31
70001384 .. 387, 391, 396, 400
70001423 215
70001435 216
70001498 216
70001654 215
70001655 215
70001696 ..... 387, 391
70001697 ... 421, 423, 425
70001844 216
70001850 215
70001866 216
70001868 216
70001870 .. 215, 244, 248, 266
70001871 216
70001872 216
70001953 ..... 387, 391
70001966 .. 371, 376, 380, 383, 387, 391, 396, 400
70001973 .. 387, 391, 396, 400
70001974 .. 387, 391, 396, 400
70002057 98
7000206 ..... 27, 31
70002063 85
70002088 ..... 387, 391
70002112 ..... 117, 119
70002209 41
70002234 216
70002257 330
7000229 ..... 27, 31
70002291 ..... 396, 400
70002297 .. 387, 391, 396, 400
7000230 ..... 27, 31
70002316 323
70002318 323
7000232 ..... 27, 31
70002326 323
70002337 1 527
70002373 .. 517, 523, 527
70002386 . 74, 78, 82, 85, 521, 778
70002390 39
70002410 ..... 519, 529
70002412 ..... 533, 535
7000246 ..... 27, 31
70002460 . 387, 391, 396, 400
7000248 ..... 27, 31
7000253 ..... 27, 31
7000257 ..... 27, 31
7000258 ..... 27, 31
7000261 ..... 27, 31
7000262 ..... 27, 31
7000263 ..... 27, 31
70002718 . 215, 243, 247, 266
70002838 ..... 117, 119
70002842 515
70002902 471
70002903 471
70002904 471
70002905 471
70002962 41
70002974 ..... 73, 77, 81
70003023 ..... 73, 77, 81
70003024 ..... 73, 77, 81
70003408 ..... 73, 77, 81
70003463 ..... 215, 778
70003464 215
70003468 216
70003469 216
70003472 215
70003473 215
70003475 215
70003479 215
70003480 215
70003481 215
70003612 91
70003631 . 387, 391, 396, 400
70003708 . 371, 376, 380, 383, 387, 391, 396, 400
70003709 . 371, 376, 380, 383, 387, 391, 396, 400
70003783 . 200, 213, 285, 778
70003788 74, 78, 82, 521, 778
70003931 216
70003932 216
70003977 ..... 73, 77, 81
70004000 91
70004013 91
70004014 91
70004017 41
70004020 .. 306, 320, 778
70004056 216
70004058 ..... 216, 778
70004059 216
70004060 216
70004062 216

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

70004092..371, 376, 380, 383, 396, 400
70004094.....396, 400
70004098..376, 380, 396, 400
70004099..380, 383, 396, 400
70004102.....216
70004103.....216
70004169.....387, 391
70004171..371, 376, 387, 391
70004185.....785
70004186.....525
70004231.....521
70004237.....519, 529
70004267.....91
70004268.....215
70004269.....215
70004270.....216
70004281...243, 247, 266
70004282.....243, 247
70004469.....98
70004481.....98
70004482.....98
70004494.....98
70004504.....266
70004505.....266
70004506.....266
70004507.....266
70004508.....247, 266
70004509.....266
70004510.....266
70004577.....39, 41
70004676..372, 376, 380, 383
70004677.....372
70004678..372, 376, 380, 383
70004679..372, 376, 380, 383
70004680..372, 376, 380, 383
70004681.....372, 383
70004682..372, 376, 380, 383
70004683.....372, 384
70004684.....376
70004685.....376, 380
70004686.....383
70004687.....380
70004794..109, 111, 113, 115
70004829.....323
70004883.....85
70004884.....41, 85
70004885.....39, 41
70004886.....41
70004889.....329
70004890...329, 333, 337
70004891.....329
70004892..329, 333, 334, 337, 338
70004893...329, 333, 337
70004894...329, 333, 337
70004895.....329
70004896.....329, 338
70004897 ..... 329, 778
70004898 329
70004899 .. 330, 334, 339
70004900 330
70004901 .. 330, 334, 338
70004902 330
70004903 330
70004904 330
70004905 ..... 330, 334
70004906 .. 330, 334, 338
70004907 ..... 330, 334
70004908 330
70004909 .. 330, 334, 338
70004910 ..... 330, 334
70004911 .. 330, 334, 338
70005065 91
70005066 91
70005067 91
70005068 91
70005069 ..... 73, 77, 81
70005071 ..... 73, 77, 81
70005072 ..... 73, 77, 81
70005073 ..... 73, 77, 81
70005074 ..... 73, 77, 81
70005075 ..... 73, 77, 81
70005076 ..... 73, 77, 81
70005077 ..... 73, 77, 81
70005078 ..... 73, 77
70005079 ..... 73, 77, 81
70005080 ..... 73, 77, 81
70005081 ..... 73, 77, 81
70005082 ..... 73, 77, 81
70005084 ..... 73, 77, 81
70005085 ..... 73, 77, 81
70005086 ..... 73, 77, 81
70005087 ..... 73, 77, 81
70005088 ..... 73, 77, 81
70005089 ..... 73, 77, 81
70005090 ..... 73, 77, 81
70005091 ..... 73, 78, 82
70005092 ..... 73, 77, 81
70005093 ..... 77, 81
70005097 81
70005108 ..... 73, 77
70005109 ..... 73, 78, 81
70005139 91
70005140 527
70005141 527
70005142 ..... 517, 527
70005143 ..... 517, 527
70005144 ..... 517, 527
70005145 .. 517, 527, 529
70005146 ..... 527, 529
70005147 517
70005148 517
70005149 517
70005150 531
70005151 531
70005152 531
70005153 531
70005154 531
70005171 .. 243, 247, 266
70005172 .. 244, 248, 266
70005173 243
70005176 266
70005177 .. 243, 247, 266
70005180 247
70005182 ..... 243, 247
70005183 243
70005184 .. 243, 247, 265
70005191 265
70005217 ..... 73, 77, 81
70005218 ..... 73, 77, 81
70005219 74, 78, 82, 778
70005245 ..... 333, 337
70005246 ..... 333, 337
70005247 ..... 333, 337
70005248 ..... 333, 337
70005249 ..... 333, 337
70005250 ..... 333, 337
70005251 ..... 333, 337
70005252 ..... 333, 337
70005253 ..... 333, 337
70005254 ..... 333, 337
70005255 ..... 333, 337
70005257 ..... 333, 337
70005258 ..... 333, 337
70005259 ..... 334, 337
70005260 ..... 334, 338
70005261 338
70005262 ..... 334, 338
70005263 ..... 334, 338
70005264 338
70005265 338
70005266 ..... 334, 338
70005267 ..... 334, 338
70005268 ..... 334, 338
70005269 ..... 334, 338
70005270 ..... 334, 339
70005271 333
70005317 98
70005318 98
70005504 265
70005505 265
70005507 265
70005710 93
70005711 93
70005712 93
70005713 93
70005714 93
70005715 93
70005716 93
70005724 ..... 74, 78, 82
70005726 323
70005727 323
70005737 323
70005745 323
70005746 323
70005747 323
70005751 323
70005827 39
70005830 39
70005831 39
70005832 39
70005833 39
70005834 39
70005839 535
70005871 523
70005931 .. 243, 247, 265
70005938 266
70005941 .. 244, 248, 266
70005942 .. 243, 247, 266
70006010 327
70006011 327
70006012.....327
70006013.....323
70006014.....323
70006015.....323
70006016.....323
70006017.....323
70006018.....323
70006019.....323
70006020.....323
70006021.....323
70006022.....323
70006023.....323, 779
70006024.....323
70006025.....323
70006026.....323
70006027.....323
70006028.....323
70006029.....323
70006030.....323
70006031.....323
70006032.....323
70006033.....323
70006034.....323
70006035.....323
70006036.....323
70006037.....323
70006038.....323
70006039.....323
70006040.....323
70006041.....323
70006042.....323
70006043.....323
70006044.....323
70006045.....324
70006046.....324
70006047.....324
70006048.....324
70006049.....324
70006050.....324
70006051.....324
70006052.....324
70006053.....324
70006054.....324
70006055.....324
70006056.....324
70006057.....324
70006058.....324
70006059.....324
70006060.....324
70006061.....324, 779
70006062.....324
70006063.....324
70006064.....324
70006065.....324
70006066.....324
70006067.....324
70006068.....324
70006069.....324
70006070.....324
70006071.....324
70006072.....324
70006074.....324
70006075.....324
70006076.....324
70006077.....324
70006078.....324
70006079.....324

70006080 324
70006093 ..... 396, 400
70006094 ..... 396, 400
70006095 .. 396, 400, 778
70006096 ..... 396, 400
70006097 ..... 396, 400
70006104 521
70006105 521
70006144 243
70006255 ..... 427, 429
70006270 ..... 427, 429
70006344 ..... 533, 535
70006356 . 197, 209, 223, 235, 257, 281, 301, 315
70006379 324
70006552 376
70006553 ..... 376, 779
70006580 421
70006596 523
70006636 521
70006639 324
70006640 324
70006649 525
70006650 525
70006652 243
70006702 521
70006703 521
70006704 521
70006705 521
70006706 521
70006734 525
70006735 525
70006736 525
70006817 533
70006990 98
70006994 98
70006997 98
70006998 98
70006999 98
70007001 98
70007002 98
70007003 98
70007004 98
70007006 98
70007022 98
70007023 98
70007024 98
70007025 98
70007026 98
70007027 98
70007028 98
70007029 98
70007030 98
70007031 98
70007032 98
70007046 98
70007062 ..... 533, 535
70007063 ..... 533, 535
70007064 ..... 533, 535
70007065 ..... 533, 535
70007066 ..... 533, 535
70007067 533
70007068 ..... 533, 535
70007069 ..... 533, 535
70007070 ..... 533, 535
70007071 ..... 533, 535
70007072 ..... 533, 535
70007156 529
70007157 ..... 519, 529
70007158 529
70007159 519
70007160 519
70007161 ..... 519, 529
70007168 519
70007169 519
7000731 28
70007325 ..... 243, 265
70007326 .. 244, 247, 266
70007354 .. 243, 247, 265
70007603 .. 243, 247, 265
70007847 37
70007848 37
70007849 37
70007850 37
70007851 37
70007852 37
70007853 37
70007854 37
70007855 37
70007856 37
70007857 37
70007858 37
70007859 37
70007860 37
70007861 37
70007862 37
70007863 37
70007864 37
70007865 37
70007866 37
70007867 37
70007868 37
70007869 37
70007870 37
70007871 37
70007872 37
70007873 37
70007874 37
70007875 37
70007876 37
70007877 37
70007878 37
70008175 523
70008176 523
70008177 523
70008178 523
70008179 523
70008281 535
70008296 266
70008422 266
70008431 265
70008435 265
70008537 266
70008538 266
70008543 265
70008544 265
70008545 265
70008547 265
70008553 265
70008558 265
70008559 265
70008561 265
70008564 266
70009002 .. 193, 206, 220, 233
70009004 ..... 193, 205
70009005 ..... 193, 206
70009006 ..... 220, 233
70009007 ..... 220, 233
70010383 . 67, 69, 71, 778
70012257 247
7001481 ..... 330, 334, 338
7001998 ..... 27, 31
70022564 .. 517, 519, 521, 523, 527, 529
70023369 .. 517, 519, 521, 527, 529
70023370 ..... 517, 525
70023371 525
70023592 ... 227, 239, 778
70023593 ... 227, 239, 778
70024494 ..... 244, 248
70024502 247
70024504 ... 243, 247, 265
70024505 265
70024507 ..... 243, 247
70024513 ... 243, 247, 265
70024904 ... 244, 248, 266
70024905 .. 243, 247, 248, 266
70024906 ... 243, 247, 266
70024913 266
70024915 243
70024917 265
70024919 247
70024920 265
70024925 243
70024961 ..... 243, 247
70025082 215
70025084 ..... 215, 216
70025086 216
70025088 215
70025091 215
70025121 216
70025123 ..... 215, 216
70025130 265
70025131 216
70025135 243
70025139 215
70025140 266
70025144 266
70025145 266
70025152 266
70025164 ... 243, 247, 265
70025200 243
70025210 243
70025231 ... 243, 247, 265
70025235 266
70025239 ... 243, 247, 265
70025242 266
70025667 215
70025693 216
70025694 216
70026210 ... 243, 247, 265
70026444 39
70027405 265
70028185 266
7002821 785
7002822 785
7002823 785
7002828 785
70028538 265
70028540 .. 243, 247, 265
70029409 265
70029451 ..... 243, 247
70029512 ..... 247, 265
70030360 .. 243, 247, 265
70030381 .. 243, 247, 266
70031055 265
70031095 ..... 244, 247
70031136 .. 243, 247, 265
70031143 ..... 247, 265
70031144 ..... 247, 265
70031145 243
70031388 265
70031474 265
7004275 785
7004276 785
70050795 521
7007289 330
7007415 ..... 329, 330
7007419 .... 329, 333, 337
7007420 ... 329, 330, 333, 334, 337, 338
7007437 35
7007438 35
7007439 35
7007446 35
7007493 330
7007495 329
7007601 ..... 27, 31
7007640 ..... 27, 31
7010429 ..... 27, 31
7010543 85
7012513 .... 359, 363, 367
7012514 .... 359, 364, 367
7012518 ..... 533, 535
7012558 359
7012941 85
7012967 85
7012998 521
7016322 357
7016331 ... 215, 244, 248, 266, 778
7016654 785
7017059 ..... 27, 31
7017067 ..... 27, 31
7017070 ..... 27, 31
7017080 ..... 27, 31
7017142 .... 421, 423, 425
7017150 423
7017159 .... 421, 423, 425
7017162 .... 421, 423, 425
7017163 .... 421, 423, 425
7017164 .... 421, 423, 425
7017172 .... 421, 423, 425
7017192 .... 421, 423, 425
7017195 .... 421, 423, 425
7017410 85
7017467 521
7017496 ..... 39, 41, 521
7017904 323
7017932 ..... 323, 778
7017959 324
7017992 ..... 324, 779
7019680 .... 359, 364, 368
7020023 ..... 215, 778

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

7020026.....215
7020033.....33
7020035.....33
7020036.....33
7020037.....33
7020038.....33
7020039.....33
7020040.....33
7020041.....33
7020108.....359, 364, 367
7020109.....359, 364, 367
7020110.....359, 364, 367
7020111.....359, 364, 368
7020190.....359, 364, 368
7020403.....215
7020430.....215
7020460.....215
7020465.....215, 244, 266
7020468.....215
7020471.....216
7020479.....216
7020492.....215, 216
7021229.....338
7021234.....334, 338
7021237.....329, 337
7021238.....329, 333, 337
7021239.....329, 333, 337
7021240.....329, 337
7021241.....329
7021242.....329
7021243.....329
7021248.....329, 333, 337
7021249.....35, 329, 333, 337
7021253.....329
7021257.....329, 333, 337
7021258.....329
7021259.....329, 333, 337
7021262.....329, 333, 337
7021263.....329
7021265.....329
7021268.....329, 334, 338
7021275.....35, 338
7021276.....35, 330, 334, 338
7021277.....35, 330, 334, 338
7021278.....330, 334, 338
7021281.....329, 334, 338
7021285.....338
7021290.....330, 334, 338
7021293.....329
7021299.....330
7021625.....41
7021639.....41
7022300.....329
7022302.....35
7022305..... 35
7022311..... 35
7022312..... 35
7022314..... 35
7022321..... 333, 337
7022322..... 333, 337
7022326..... 35
7022328..... 35
7022331..... 333, 337
7022332..... 333, 337
7022333..... 333, 337
7022336..... 333, 337
7022338..... 333, 337
7022340..... 333, 337
7022341.... 329, 333, 337
7022343..... 337
7022346.... 330, 334, 338
7022347.... 330, 334, 338
7022351..... 338
7022355..... 333
7022357..... 333
7022358..... 334
7022368..... 35
7022371..... 35
7022390...73, 77, 81, 521
7022397..... 39, 41
7022399... 39, 41, 73, 77, 81
7023154..... 323
7023900..... 73, 77, 81
7023907..... 35
7023908..... 35
7023910..... 35
7023936..... 73, 77, 81
7023999..... 337
7024182..... 27, 28
7024189..... 28
7024190..... 28
7024191..... 28
7024192..... 28
7024193..... 28
7024194..... 28
7024196..... 28
7024197..... 28
7024441..... 117, 119
7024462..... 511
7024463..... 511
7024467..... 511
7024469..... 511
7024470..... 511
7024471..... 511
7024472..... 511
7024473..... 511
7024474..... 511
7024475..... 511
7024478..... 511
7024485.... 387, 391, 778
7024488... 387, 391, 395, 399
7024489... 387, 391, 395, 399
7024565..... 216
7024579... 215, 244, 248, 266
7024598..... 357
7024705..... 27
7024712..... 27, 31
7024713..... 27, 31
7024714..... 27, 31
7024715..... 27, 31
7024716..... 27, 31
7024717..... 27
7024718..... 28
7024800.... 329, 333, 337
7024806..... 338
7024810..... 39
7024853..... 35
7024854..... 35
7024855..... 329
7024857..... 329
7024858..... 329
7024868..... 35
7024881..... 39, 41
7026188..... 387, 391
7026199.... 359, 363, 367
7026330..... 91
7026597.... 387, 391, 396
7026626... 387, 391, 396, 400
7027236..... 215
7027419..... 35
7027773..... 511
7027774..... 511
7027775..... 511
7027776..... 511
7027777..... 511
7027778..... 511
7027779..... 511
7027780..... 511
7027790..... 216
7027791..... 216
7027792..... 216
7027796..... 216
7027799... 387, 391, 396, 400
7027887.... 359, 364, 368
7027903..... 216
77363233..... 695
80484084.. 675, 679, 683
80983191..... 675, 778
82033995..... 306, 320
8220045..... 693, 716
8220051..... 689
8220115..... 675
8220164.....675, 683
8229242....675, 715, 778, 779
8229244.....715, 779
8229245.....693, 779
8229249.....509, 779
8305401.....304, 318
8307109.....304, 318
8310129.....495
8310548.....304, 318
8405006....220, 232, 253, 271, 273, 278, 285, 349, 351
8405007....227, 239, 261, 285
8405009....193, 205, 227, 239, 261, 285, 305, 319
8405102.....305, 319
8405104....227, 239, 261, 285, 305, 319
8405202....227, 239, 261, 285, 305, 319
8405203.....305, 319
8405204....227, 239, 261, 285
8406101....220, 232, 253, 278
8406109....227, 239, 261, 285, 305, 319
8406110....227, 239, 261, 285, 305, 319, 435, 437, 637, 641, 645, 649, 653
8406201....227, 239, 261, 285, 305, 319
8410001.....305, 319
8410009.....305, 319
8410011.....306
8410013.....220, 232, 278
8430007.....253
84521061.....367
84521062.....399
88411013.....611
88521205.....87, 89
88521214..477, 479, 481, 483
88662037..544, 552, 560, 568, 576
90200755...166, 170, 174
91164057...41, 74, 78, 82
91164059.....74, 78, 82
91164079...41, 74, 78, 82
91203039.....439
91401281.....89

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