JERR-DAN

Illustrated Parts Manual

JD 35-40TON ROTATOR

5376000339

September 1, 2025 - Rev A

English (en-US)

REVISION LOG

September 1, 2025 - A - Original Issue of Manual (Edited to B/M 1001350000 Revision B)

GENERAL INFORMATION

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Information contained in this manual reflects how this vehicle was built at the factory. Modifications or additions by the distributor or owner are not reflected in this manual.

This parts manual does not include service parts information for the commercial chassis (IHC, Ford, GM, etc.). That information is provided by the chassis manufacturer.

When ordering parts, please refer to your unit's Serial Number and Model Number. This information is be found on the aluminum tag riveted to the inside of the driver's side rear compartment of the main body.



Additional or replacement manuals can be ordered by calling Jerr-Dan Parts at 717-597-7111. Price and availability will be quoted at time of the request.

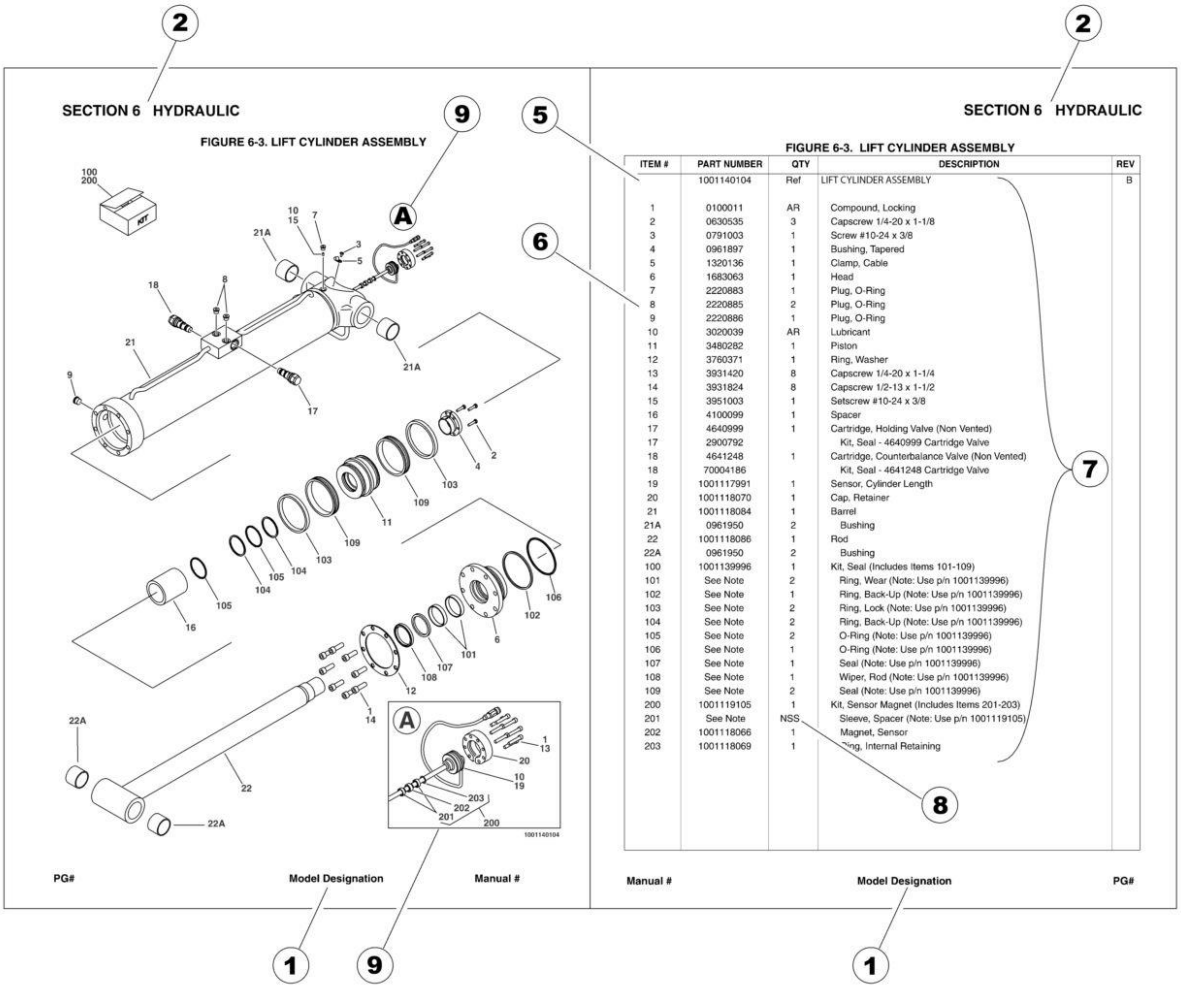
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Manufactured under one or more of the following patents: 5,575,606; 5,672,042; 5,697,741; 5,713,714; 5,722,810; 5,782,596; 5,839,775 and 6,315,515 B1 with other Patents Pending.

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GENERAL INFORMATION



1) MACHINE IDENTIFICATION

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

2) PARTS MANUAL ORGANIZATION

Product information in this manual is organized under section titles. Subframe, 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) BUILD DOCUMENTS (NOT SHOWN)

The Build Documents, located near the end of the manual, reference components not available at the purchase level. These PNs list assembly instructions and assist in the maintenance of the parts manual.

GENERAL INFORMATION

5) 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.

6) 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.

7) INDENTED PARTS DESCRIPTION

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

8) ABBREVIATION AND SYMBOLS

AC..... Alternating Current
ALUM.....Aluminum
AG.....Agricultural
ANSI.....American National Standards Institute
AR.....As Required
AUS.....Australias
ASSY..... Assembly
AUX.....Auxiliary
AWG.....American Wire Gauge
CA.....Cab To Axle
CE.....European Conformity
CCW.....Counter Clockwise
CM.....Centimeter
CT .....Cab To Tandem
CW.....Clockwise
CSA.....Canadian Standards Association
CYL.....Cylinder
DIA.....Diameter
DC.....Direct Current
DOT.....Department of Transportation
EMS..... Emergency Stop
ENG.....Engine
FT(ft) .....Feet
GA(Ga).....Gauge
GAL.....Gallons
GVW.....Gross Vehicle Weight
HD.....Heavy Duty
HYD.....Hydraulic
Hz.....Hertz
ID.....Inside Diameter
IN.....inches
IND.....Independent
IRL.....Independent Reach/Lift
INT.....Integrated
ISO..... International Organization for Standards
JIC.....Joint Industry Council
KG.....Kilogram
L.....Liter
LD.....Light Duty
LB(LBS).....Pounds
LCD..... Liquid Crystal Display
LED..... .Light Emitting Diodes
LH.....Left Hand
M(m).....Metric/Meter
MD.....Medium Duty
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
PTO.....Power Take Off
QT(qt.). .....Quarts
QTY.....Quantity
REF.....Reference
REV.....Revision Level
RH.....Right Hand
SAE.....Society of Automotive Engineers
SD.....Standard Duty
SN..... ..Serial Number
SPEC(S).....Specifications
SS.....Stainless Steel
STD.....Standards
STL.....Steel
UGM.....Universal Ground Module
V.....Volts
W.....Watts
WB.....Wheel Base
#.....Number

9) 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, Jerr-Dan Corporation reserves the right to make specification changes without prior notification. Contact Jerr-Dan for updated information.

TABLE OF CONTENTS

SECTION 1 - SUBFRAME 13

FIGURE 1-1. COUPLING/COLLECTOR RING INSTALLATION 14
FIGURE 1-2. COUPLING ASSEMBLY 16
FIGURE 1-3. OUTRIGGERS INSTALLATION 18
FIGURE 1-4. OUTRIGGER PADS INSTALLATION 20
FIGURE 1-5. OUTRIGGER/STABILIZER ASSEMBLY - EXTENDED 22
FIGURE 1-6. CYLINDER ASSEMBLY - OUTRIGGER LIFT 24
FIGURE 1-7. CYLINDER ASSEMBLY - OUTRIGGER STABILIZER EXTEND 26
FIGURE 1-8. REAR HYDRAULIC SPADES INSTALLATION 28
FIGURE 1-9. SADDLE SHIMS KIT 30
FIGURE 1-10. SLEW BEARING INSTALLATION 32
FIGURE 1-11. SLEW DRIVE INSTALLATION 34
FIGURE 1-12. TAILBOARDS INSTALLATION 36
FIGURE 1-13. TURNTABLE INSTALLATION 38

SECTION 2 - BOOM 41

FIGURE 2-1. WRECKER BOOM INSTALLATION - 3 PIECE 42
FIGURE 2-2. WRECKER BOOM INSTALLATION - 3 PIECE WITH AUXILIARY WINCHES 44
FIGURE 2-3. WRECKER BOOM ASSEMBLY 46
FIGURE 2-4. WRECKER BOOM ASSEMBLY - WITH AUXILIARY WINCH 50
FIGURE 2-5. WRECKER BOOM VANITY PLATES BLANK INSTALLATION 54
FIGURE 2-6. WINCH INSTALLATION - RAMSEY 56
FIGURE 2-7. WINCH ASSEMBLY - 35,000 LBS (RAMSEY) - LH 58
FIGURE 2-8. WINCH ASSEMBLY - 35,000 LBS (RAMSEY) - RH 62
FIGURE 2-9. WINCH INSTALLATION - DP 66
FIGURE 2-10. DP WINCH 35,000 LBS - LH 68
FIGURE 2-11. DP WINCH 35,000 LBS - RH 72
FIGURE 2-12. AUXILIARY WINCH INSTALLATION - RAMSEY 76
FIGURE 2-13. WINCH ASSEMBLY - AUX -15,000 LBS (RAMSEY) - LH 78
FIGURE 2-14. WINCH ASSEMBLY - AUX -15,000 LBS (RAMSEY) - RH 82
FIGURE 2-15. AUXILIARY WINCH INSTALLATION - DP 86
FIGURE 2-16. WINCH ASSEMBLY - AUX -15,000 LBS (DP) - LH 88
FIGURE 2-17. WINCH ASSEMBLY - AUX -15,000 LBS (DP) - RH 92
FIGURE 2-18. AUXILIARY WINCH CABLE TIE-BACK INSTALLATION 96
FIGURE 2-19. CABLE INSTALLATION - 0.75 X 200FT EEIPS SWIVEL HOOK 98
FIGURE 2-20. CABLE INSTALLATION - AUXILIARY WINCH 100
FIGURE 2-21. CABLE INSTALLATION - DRAG WINCH 102
FIGURE 2-22. CYLINDER ASSEMBLY - EXTEND 104
FIGURE 2-23. CYLINDER ASSEMBLY - LIFT 108
FIGURE 2-24. DP WINCH 50,000 LBS - RH 110
FIGURE 2-25. DRAG WINCH - RAMSEY 50,000 116
FIGURE 2-26. DRAG WINCH - DP 50,000 118
FIGURE 2-27. HEADBOARD INSTALLATION 120
FIGURE 2-28. HEADBOARD ASSEMBLY 122
FIGURE 2-29. HOUSE LOCK INSTALLATION 124

TABLE OF CONTENTS

FIGURE 2-30. PYLON VANITY COVERS BLANK INSTALLATION 126
FIGURE 2-31. RAMSEY HERCULES - 50,000 LBS RH 128

SECTION 3 - UNDERLIFT 133

FIGURE 3-1. UNDERLIFT INSTALLATION - UL530 134
FIGURE 3-2. UNDERLIFT INSTALLATION - UL565 (COACH) 136
FIGURE 3-3. UNDERLIFT INSTALLATION - UL565 (COACH - 4 PIECE) 138
FIGURE 3-4. UNDERLIFT INSTALLATION - UL500LP 140
FIGURE 3-5. UNDERLIFT ASSEMBLY- 53000LBS (UL530) 142
FIGURE 3-6. UNDERLIFT ASSEMBLY - COACH (UL565) 144
FIGURE 3-7. UNDERLIFT ASSEMBLY - 4 PIECE (UL565) 146
FIGURE 3-8. UNDERLIFT ASSEMBLY- (UL500LP) 148
FIGURE 3-9. CYLINDER ASSEMBLY - EXTEND/RETRACT (UL530) 150
FIGURE 3-10. CYLINDER ASSEMBLY - EXTEND/RETRACT (UL565 - COACH) 152
FIGURE 3-11. CYLINDER ASSEMBLY - EXTEND/RETRACT (UL565 - 4 PIECE) 154
FIGURE 3-12. CYLINDER ASSEMBLY - LIFT 156
FIGURE 3-13. CYLINDER ASSEMBLY - TILT 158
FIGURE 3-14. CYLINDER ASSEMBLY - UNDERLIFT 4-PC EXTENSION 160
FIGURE 3-15. CROSSTUBE INSTALLATION 162
FIGURE 3-16. FRAME FORK INSTALLATION 164

SECTION 4 - BODY 167

FIGURE 4-1. BODY INSTALLATION - TRI-AXLE 168
FIGURE 4-2. BODY LIFTING LUGS INSTALLATION 170
FIGURE 4-3. DIAMOND PLATE INSTALLATION - BODY 172
FIGURE 4-4. DIAMOND PLATE INSTALLATION - FRONT (TALL TUNNEL) 174
FIGURE 4-5. DIAMOND PLATE INSTALLATION - FRONT (SHORT TUNNEL) 176
FIGURE 4-6. DIAMOND PLATE INSTALLATION - FRONT (56" TANDEM STEER) 178
FIGURE 4-7. DIAMOND PLATE INSTALLATION - SHORT TUNNEL 180
FIGURE 4-8. DIAMOND PLATE INSTALLATION - TALL TUNNEL 182
FIGURE 4-9. DIAMOND PLATE INSTALLATION - 56IN TUNNEL 184
FIGURE 4-10. DOOR INSTALLATION - 38IN TALL TUNNEL 186
FIGURE 4-11. DOOR INSTALLATION - 38IN SHORT TUNNEL 188
FIGURE 4-12. DOOR INSTALLATION - 50IN TALL TUNNEL 190
FIGURE 4-13. DOOR INSTALLATION - 50IN SHORT TUNNEL 192
FIGURE 4-14. DOOR INSTALLATION - 56IN TUNNEL 194
FIGURE 4-15. DOORS & FRAME INSTALLATION - REAR TRI-AXLE BODY (PAINTED) 196
FIGURE 4-16. FENDER FLARE AND LINER INSTALLATION 198
FIGURE 4-17. FENDER FLARE AND LINER INSTALLATION - 56IN TUNNEL 200
FIGURE 4-18. GRAB HANDLE INSTALLATION 202
FIGURE 4-19. LIFTING LUGS INSTALLATION _TUNNEL 204
FIGURE 4-20. MUD FLAP INSTALLATION 206
FIGURE 4-21. NO FRONT DIAMOND, MARKER ONLY 208
FIGURE 4-22. PIN STORAGE OUTRIGGERS INSTALLATION 210
FIGURE 4-23. RUBRAIL TRIM INSTALLATION (50IN TUNNEL) 212
FIGURE 4-24. RUBRAIL TRIM INSTALLATION (36IN TUNNEL) 214

FIGURE 4-25. RUB RAIL DRESS-UP INSTALLATION (TRI-AXLE) 216
FIGURE 4-26. STEP INSTALLATION 218
FIGURE 4-27. STORAGE - CHAIN RACK INSTALLATION (50IN) 220
FIGURE 4-28. STORAGE - CHAIN RACK INSTALLATION (38IN) 222
FIGURE 4-29. STORAGE - DRAWER INSTALLATION - TILT DOWN 51IN 224
FIGURE 4-30. STORAGE - DRAWER INSTALLATION - TILT DOWN 38IN 226
FIGURE 4-31. STORAGE - DRAWER INSTALLATION - TILT DOWN 56IN 228
FIGURE 4-32. STORAGE - FIFTH WHEEL/PINTLE STORAGE INSTALLATION 230
FIGURE 4-33. STORAGE - FIFTH WHEEL/PINTLE STORAGE INSTALLATION 232
FIGURE 4-34. STORAGE - FORK RISERS STORAGE INSTALLATION 234
FIGURE 4-35. STORAGE - FORK STORAGE INSTALLATION - SPRING FORKS REAR 236
FIGURE 4-36. STORAGE - FRAME FORKS 238
FIGURE 4-37. STORAGE - OUTRIGGER PADS 240
FIGURE 4-38. STORAGE - SPREADER BAR 242
FIGURE 4-39. STORAGE - TIRE LIFT - BUS ARMS & RACHETS 244
FIGURE 4-40. TUNNEL INSTALLATION - 38IN (TALL) 246
FIGURE 4-41. TUNNEL INSTALLATION - 38IN (SHORT) 248
FIGURE 4-42. TUNNEL INSTALLATION - 50IN (TALL) 250
FIGURE 4-43. TUNNEL INSTALLATION - 50IN (SHORT) 252
FIGURE 4-44. TUNNEL INSTALLATION - 56IN (TDM STEER) 254
FIGURE 4-45. T-SLOTS INSTALLATION - TALL TUNNEL 256
FIGURE 4-46. T-SLOTS INSTALLATION - SHORT TUNNEL & 56IN TUNNEL 258

SECTION 5 - CONTROLS 261

FIGURE 5-1. AIR INSTALLATION 262
FIGURE 5-2. CONTROL VALVE INSTALLATION 264
FIGURE 5-3. IN-CAB CONTROLS INSTALLATION - FLOOR MOUNTED WITHOUT UNDERLIFT 268
FIGURE 5-4. IN-CAB CONTROLS INSTALLATION - KENWORTH T880 WITHOUT UNDERLIFT 270
FIGURE 5-5. IN-CAB CONTROLS INSTALLATION - PETERBILT 567 WITHOUT UNDERLIFT 272
FIGURE 5-6. IN-CAB CONTROLS INSTALLATION - FLOOR MOUNTED WITH UNDERLIFT 274
FIGURE 5-7. IN-CAB CONTROLS INSTALLATION - KENWORTH T880 WITH UNDERLIFT 276
FIGURE 5-8. IN-CAB CONTROLS INSTALLATION - PETERBILT 567 WITH UNDERLIFT 278
FIGURE 5-9. IN-CAB CONTROLS INSTALLATION - KENWORTH T440 & T800 & W9 WITHOUT UNDERLIFT 280
FIGURE 5-10. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 LOW ROOF WITHOUT UNDERLIFT 282
FIGURE 5-11. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 HIGH ROOF WITHOUT UNDERLIFT 284
FIGURE 5-12. IN-CAB CONTROLS INSTALLATION - KENWORTH T440 & T800 & W9 WITH UNDERLIFT 286
FIGURE 5-13. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 LOW ROOF WITH UNDERLIFT 288
FIGURE 5-14. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 HIGH ROOF WITH UNDERLIFT 290

SECTION 6 - HYDRAULIC 293

FIGURE 6-1. HYDRAULIC LINES AND FITTINGS INSTALLATION 294
FIGURE 6-2. HYDRAULIC SUPPLY INSTALLATION - 245IN-285IN WB 300
FIGURE 6-3. HYDRAULIC TUBE INSTALLATION - UNDERLIFT 302
FIGURE 6-4. HYDRAULIC TANK INSTALLATION 304
FIGURE 6-5. HYDRAULIC TANK ASSEMBLY 306
FIGURE 6-6. HYDRAULIC WINCH INSTALLATION - RAMSEY 308

TABLE OF CONTENTS

FIGURE 6-7. HYDRAULIC WINCH INSTALLATION - DP 310
FIGURE 6-8. HYDRAULIC DRAG WINCH INSTALLATION - RAMSEY 312
FIGURE 6-9. HYDRAULIC DRAG WINCH INSTALLATION - DP 314
FIGURE 6-10. AIR VALVE 4 SECTION ASSEMBLY 316
FIGURE 6-11. AUX WINCH STEEL TUBES INSTALLATION 318
FIGURE 6-12. DUAL WINCH AIR INSTALLATION 320
FIGURE 6-13. HOSE INSTALLATION - AUXILIARY WINCH - RAMSY 322
FIGURE 6-14. HOSE INSTALLATION - AUXILIARY WINCH - DP 324
FIGURE 6-15. OIL HEATER 326
FIGURE 6-16. REMOTE OIL COOLER INSTALLATION 328
FIGURE 6-17. REMOTE OIL COOLER RADIATOR 330
FIGURE 6-18. VALVE, OUTRIGGER CONTROL 332
FIGURE 6-19. VALVE, UL SPADE 334
FIGURE 6-20. VALVE ASSEMBLY, CONTROL 336

SECTION 7 - ELECTRICAL 339

FIGURE 7-1. ALARM INSTALLATION - FIXED BACK-UP 340
FIGURE 7-2. BACK-UP CAMERA INSTALLATION 342
FIGURE 7-3. BACK-UP CAMERA INSTALLATION - PACCAR 344
FIGURE 7-4. BACK UP CAMERA MONITOR HARNESS 346
FIGURE 7-5. BACK-UP CAMERA INSTALLATION - BRACKETS ONLY 348
FIGURE 7-6. BATTERY RELOCATION INSTALLATION (HARDWARE AND WIRE) 350
FIGURE 7-7. BATTERY RELOCATION INSTALLATION (HARDWARE) 352
FIGURE 7-8. BODY ELECTRICAL INSTALLATION 354
FIGURE 7-9. CABINET REAR BODY HARNESS 358
FIGURE 7-10. CABINET MID BODY HARNESS - TUNNEL (SHORT) 360
FIGURE 7-11. CAMERA INSTALLATION - BACK UP (BRACKETS ONLY) 362
FIGURE 7-12. CAMERA INSTALLATION - UNDERLIFT MOUNTED 364
FIGURE 7-13. CAMERA INSTALLATION - UNDERLIFT MOUNTED (PACCAR) 366
FIGURE 7-14. CAMERA INSTALLATION - UNDERLIFT MOUNTED ONLY 368
FIGURE 7-15. CENTER HARNESS INSTALLATION 370
FIGURE 7-16. CENTER HARNESS 372
FIGURE 7-17. DRAG WINCH ELECTICAL 2 SPEED HARNESS 374
FIGURE 7-18. EMERGENCY STOP INSTALLATION 376
FIGURE 7-19. EMERGENCY STOP HARNESS 378
FIGURE 7-20. HARNESS INSTALLATION - TUNNEL (TALL) 380
FIGURE 7-21. HARNESS INSTALLATION - TUNNEL (SHORT) 382
FIGURE 7-22. HARNESS INSTALLATION - TUNNEL 56IN 384
FIGURE 7-23. HOUSE LOCK HARNESS 386
FIGURE 7-24. HDR REMOTE CONTROL HARNESS 388
FIGURE 7-25. LIGHTS - COMPARTMENT LIGHTS INSTALLATION 392
FIGURE 7-26. LIGHTS - COMPARTMENT LIGHTS INSTALLATION (TALL TUNNEL) 394
FIGURE 7-27. LIGHTS - COMPARTMENT LIGHTS INSTALLATION (SHORT TUNNEL) 396
FIGURE 7-28. LIGHTS - MARKER LIGHTS INSTALLATION - TUNNEL 56IN 398
FIGURE 7-29. LIGHTS - FLASHER LIGHTS INSTALLATION - TRI-AXLE 400
FIGURE 7-30. LIGHTS - GRILLE FLASHER LIGHTS INSTALLATION - FRONT 402

FIGURE 7-31. LIGTHS - HOOD FLASHER LIGHTS INSTALLATION 404
FIGURE 7-32. LIGHTS - HOOK UP LIGHTS INSTALLATION (LOWER) 406
FIGURE 7-33. LIGHTS - HOOK UP LIGHTS INSTALLATION (UPPER) 408
FIGURE 7-34. LIGHTS - LIGHTBAR 50T ROTATOR INSTALLATION 410
FIGURE 7-35. LIGHTS - LIGHTBAR ASSEMBLY - WHELEN (72IN) 412
FIGURE 7-36. LIGHTS - MARKER LIGHTS INSTALLATION - TRI AXLE 414
FIGURE 7-37. LIGHTS - MARKER LIGHTS INSTALLATION (TALL TUNNEL) 416
FIGURE 7-38. LIGHTS - MARKER LIGHTS INSTALLATION - TUNNEL (SHORT) 418
FIGURE 7-39. LIGHTS - OUTRIGGER LIGHTS INSTALLATION 420
FIGURE 7-40. UNDERLIFT LIGHT HARNESS 422
FIGURE 7-41. LIGHTS - UNDERLIFT LIGHT INSTALLATION 424
FIGURE 7-42. LIGHTS - WING LIGHT INSTALLATION 426
FIGURE 7-43. LIGHTS - WING LIGHTS ASSEMBLY - 22IN AMBER (WHELEN) 428
FIGURE 7-44. LIGHTS - WORKLIGHT INSTALLATION - UPPER 432
FIGURE 7-45. LIGHTS - WRECKER BOOM LIGHTS INSTALLATION (WHELEN) 434
FIGURE 7-46. LIGHTS - WRECKER BOOM LIGHTS INSTALLATION (LED) 436
FIGURE 7-47. MULTIPLEX ELECTRICAL INSTALLATION - WITHOUT AUXILIARY WINCH 438
FIGURE 7-48. MULTIPLEX ELECTRICAL INSTALLATION - WITHOUT AUXILIARY WINCH 440
FIGURE 7-49. MULTIPLEX ELECTRICAL INSTALLATION - WITH AUXILIARY WINCH 442
FIGURE 7-50. MULTIPLEX IN-CAB CONTROLS HARNESS (CONSOLE MOUNTED) 446
FIGURE 7-51. MULTIPLEX IN-CAB CONTROLS HARNESS (FLOOR MOUNTED) 448
FIGURE 7-52. MULTIPLEX CROSSOVER HARNESS 450
FIGURE 7-53. MULTIPLEX CONTROL (RH) - HARNESS 452
FIGURE 7-54. MULTIPLEX CONTROL (LH) - HARNESS 456
FIGURE 7-55. PYLON ROTATOR HARNESS 460
FIGURE 7-56. REAR TUNNEL HARNESS 462
FIGURE 7-57. TOW LIGHT HARNESS 464
FIGURE 7-58. TRAILER PLUG INSTALLATION - 7WAY 466
FIGURE 7-59. TUNNEL HARNESS - MAIN (TALL TUNNEL) 468
FIGURE 7-60. TUNNEL HARNESS - MAIN (SHORT TUNNEL) 470
FIGURE 7-61. TUNNEL HARNESS - MAIN (56IN) 472
FIGURE 7-62. TUNNEL HARNESS - REAR 474

SECTION 8 - DECAL 477

FIGURE 8-1. DECAL INSTALLATION - COMMON 478
FIGURE 8-2. DECAL INSTALLATION - JERR-DAN LOGO (RED) 482
FIGURE 8-3. DECAL INSTALLATION - JERR-DAN LOGO (WHITE) 484

SECTION 9 - ACCESSORIES 487

FIGURE 9-1. KITS LIST ROTATOR 488
FIGURE 9-2. AIR, EMERGENCY AND SERVICE GLAD HANDS 490
FIGURE 9-3. FIFTH WHEEL TOW ATTACHMENT 492
FIGURE 9-4. FLAT RECOVERY STRAP KIT 494
FIGURE 9-5. FORK RISER ADAPTERS 496
FIGURE 9-6. FORK RISERS - 7IN 498
FIGURE 9-7. FRAME FORK INSTALLATION (SPRING FORKS) 500

TABLE OF CONTENTS

FIGURE 9-8. HEAVY DUTY CHAIN KIT, LEVEL 1 502
FIGURE 9-9. HEAVY DUTY CHAIN KIT, LEVEL 2 504
FIGURE 9-10. LOOP SLING KIT, LEVEL 1 506
FIGURE 9-11. LOOP SLING KIT, LEVEL 2 508
FIGURE 9-12. LOOP SLING KIT, LEVEL 3 510
FIGURE 9-13. PINTLE HOOK WITH 2IN BALL 512
FIGURE 9-14. PINTLE HOOK WITH 50MM BALL 514
FIGURE 9-15. SHACKLE KIT, LEVEL 1 516
FIGURE 9-16. SHACKLE KIT, LEVEL 2 518
FIGURE 9-17. SHACKLE KIT, LEVEL 3 520
FIGURE 9-18. SNATCH BLOCK KIT - 5-WINCH 522
FIGURE 9-19. SNATCH BLOCK KIT -10" 524
FIGURE 9-20. SPREADER BAR SLING KIT 526
FIGURE 9-21. SPREADER BAR KIT (JD) 528
FIGURE 9-22. SPREADER BAR KIT (ALUM 20K) 530
FIGURE 9-23. TELESCOPIC LADDER KIT 532
FIGURE 9-24. TOW BALL - 1,88IN DIA 534
FIGURE 9-25. TOW BALL - 2IN DIA 536
FIGURE 9-26. TOW BALL - 2.31IN DIA 538
FIGURE 9-27. TOW BALL - 50MM DIA 540
FIGURE 9-28. UNDERLIFT TOOLS - 25,000 LB TIRE LIFT 542

SECTION 10 - BUILD DOCUMENTS 545

FIGURE 10-1. BUILD DOC_5376000339 546

PART NUMBER INDEX 547

SECTION 1 - SUBFRAME

FIGURE 1-1. COUPLING/COLLECTOR RING INSTALLATION

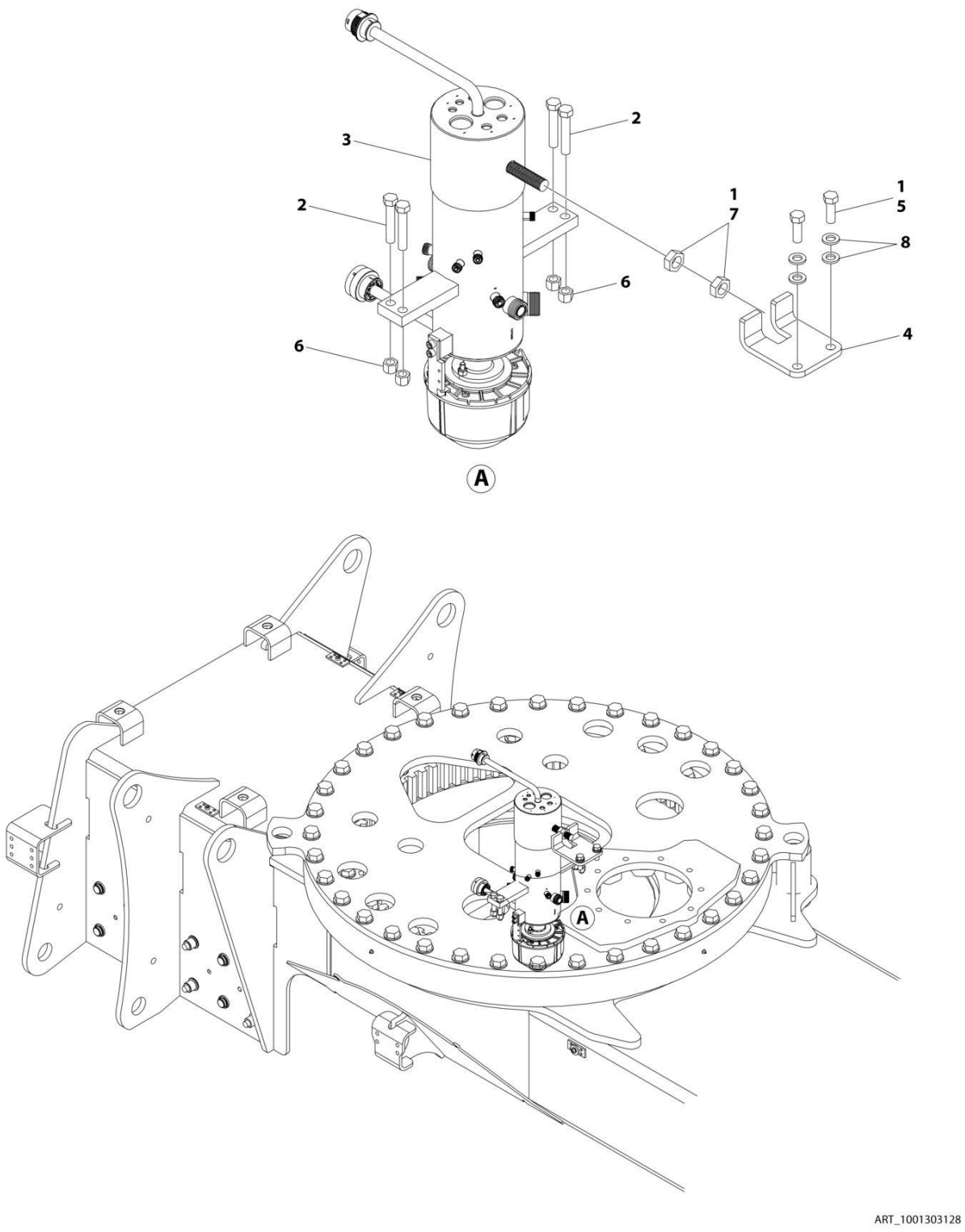


FIGURE 1-1. COUPLING/COLLECTOR RING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303128	Ref	COUPLING/COLLECTOR RING INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641822	4	Bolt 1/2 x 2-3/4	
3	1001303124	1	Coupling Assembly, Hydraulic/Electric (See Separate Breakdown in this Section)	
4	1001304438	1	Bracket	
5	7118181250	2	Bolt 1/2 x 1-1/2	
6	7660182601	4	Nut 1/2	
7	7660220230	2	Nut 3/4	
8	7950180153	4	Washer 1/2	

FIGURE 1-2. COUPLING ASSEMBLY

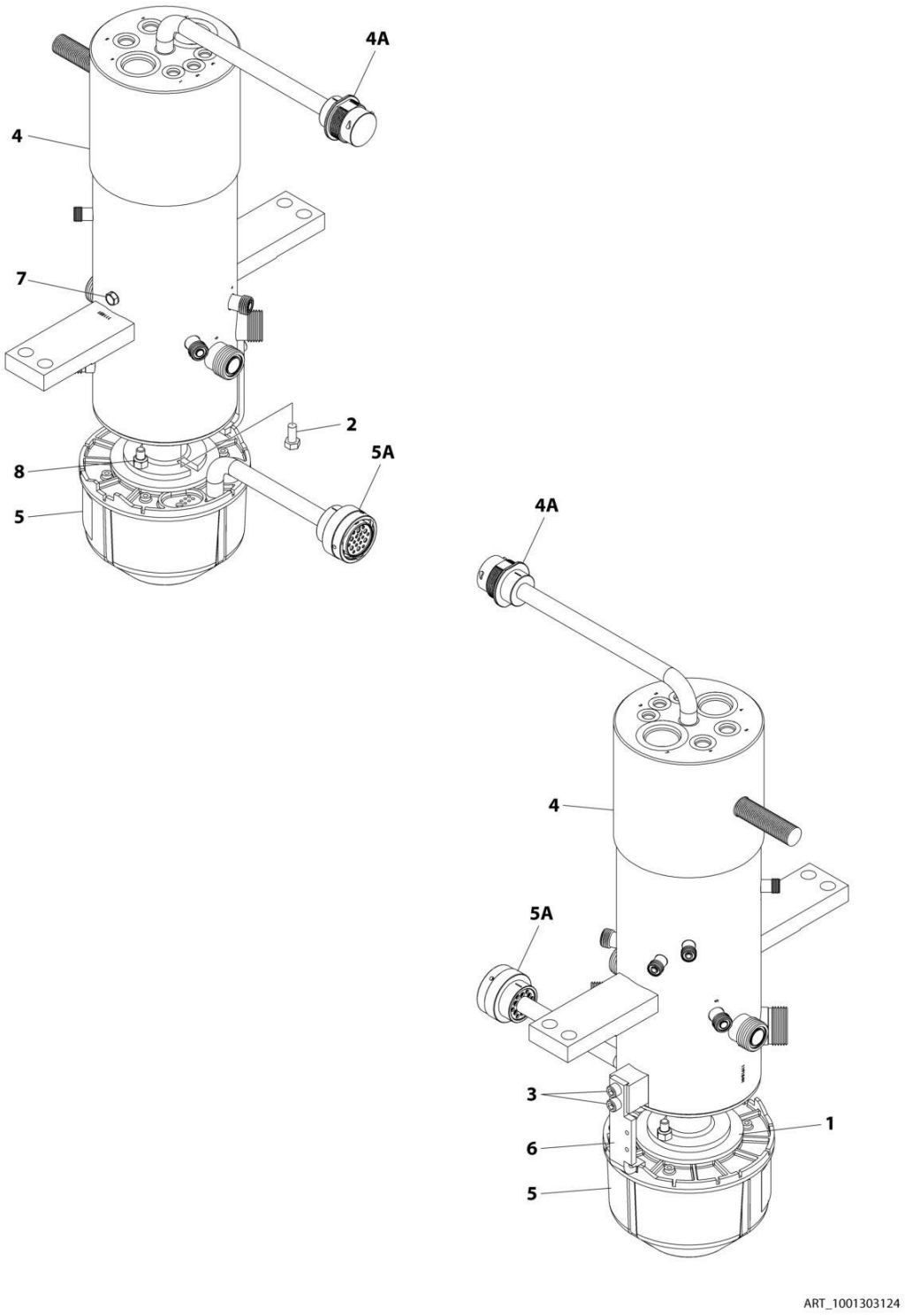


FIGURE 1-2. COUPLING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303124	Ref	COUPLING ASSEMBLY	B
1	80334251	1	Spool	
2	70008363	2	Bolt 5/16 x 1	
3	3931512	2	Capscrew 5/16 x 3/4	
4	70070321	1	Hydraulic Coupling Assembly	
4	70001101	1	Kit, Seal - 70070321 Coupling	
4A	NPN	1	Connector - 19 Position	
4A	4460464	AR	Terminal	
4A	4460941	AR	Terminal	
4A	70020831	AR	Terminal	
4A	4460466	AR	Plug, Terminal	
5	70070322	1	Electrical Assembly	
5A	1001269276	1	Connector - 19 Position	
5A	4460465	AR	Terminal	
5A	NPN	AR	Terminal	
5A	70020834	AR	Terminal	
5A	4460466	AR	Plug, Terminal	
6	70008361	1	Arm, Torque	
7	70070323	1	Vent, Breather	
8	70008360	2	Nut 5/16	

FIGURE 1-3. OUTRIGGERS INSTALLATION

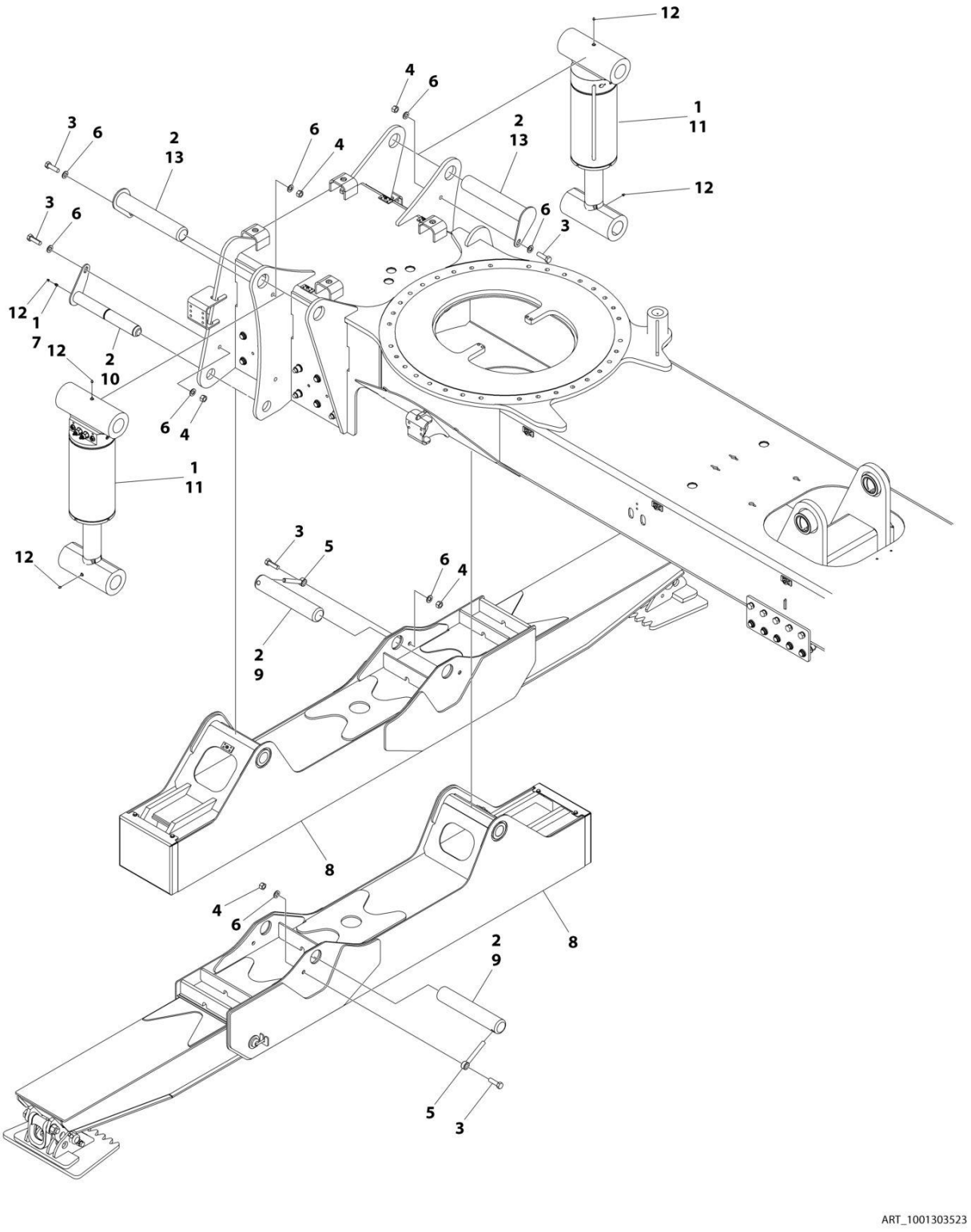
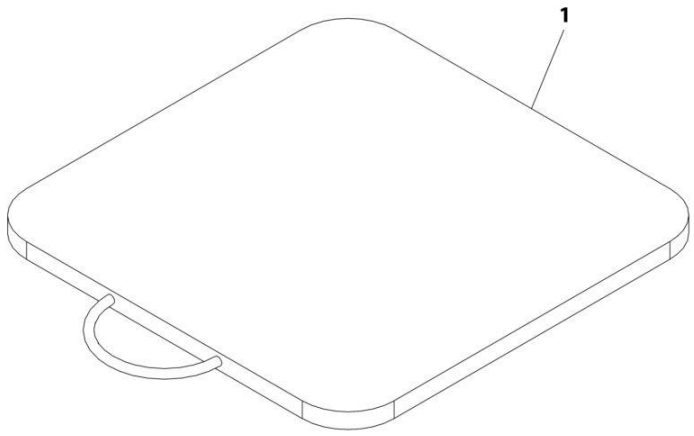


FIGURE 1-3. OUTRIGGERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303523	Ref	OUTRIGGERS INSTALLATION	A
1	3020029	AR	Grease	
2	3020039	AR	Lubricant	
3	0682220	6	Bolt 3/4 x 2-1/2	
4	3272205	6	Nut 3/4	
5	3841287	2	Keeper Rod	
6	4712200	10	Washer 3/4	
7	88671001	2	Grease Fitting	
8	1001179131	2	Outrigger/Stabilizer Assembly - Extended (See Separate Breakdown in this Section)	
9	1001179153	2	Pin	
10	1001212444	2	Pin	
11	1001284480	2	Cylinder Assembly-Outrigger Lift (See Separate Breakdown in this Section)	
12	7253000002	6	Cap, Grease Fitting	
13	3691000227	2	Pin	

FIGURE 1-4. OUTRIGGER PADS INSTALLATION



ART_1001319920

FIGURE 1-4. OUTRIGGER PADS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001319920	Ref	OUTRIGGER PADS INSTALLATION	A
1	1001166386	4	Pad, Outrigger	

FIGURE 1-5. OUTRIGGER/STABILIZER ASSEMBLY - EXTENDED

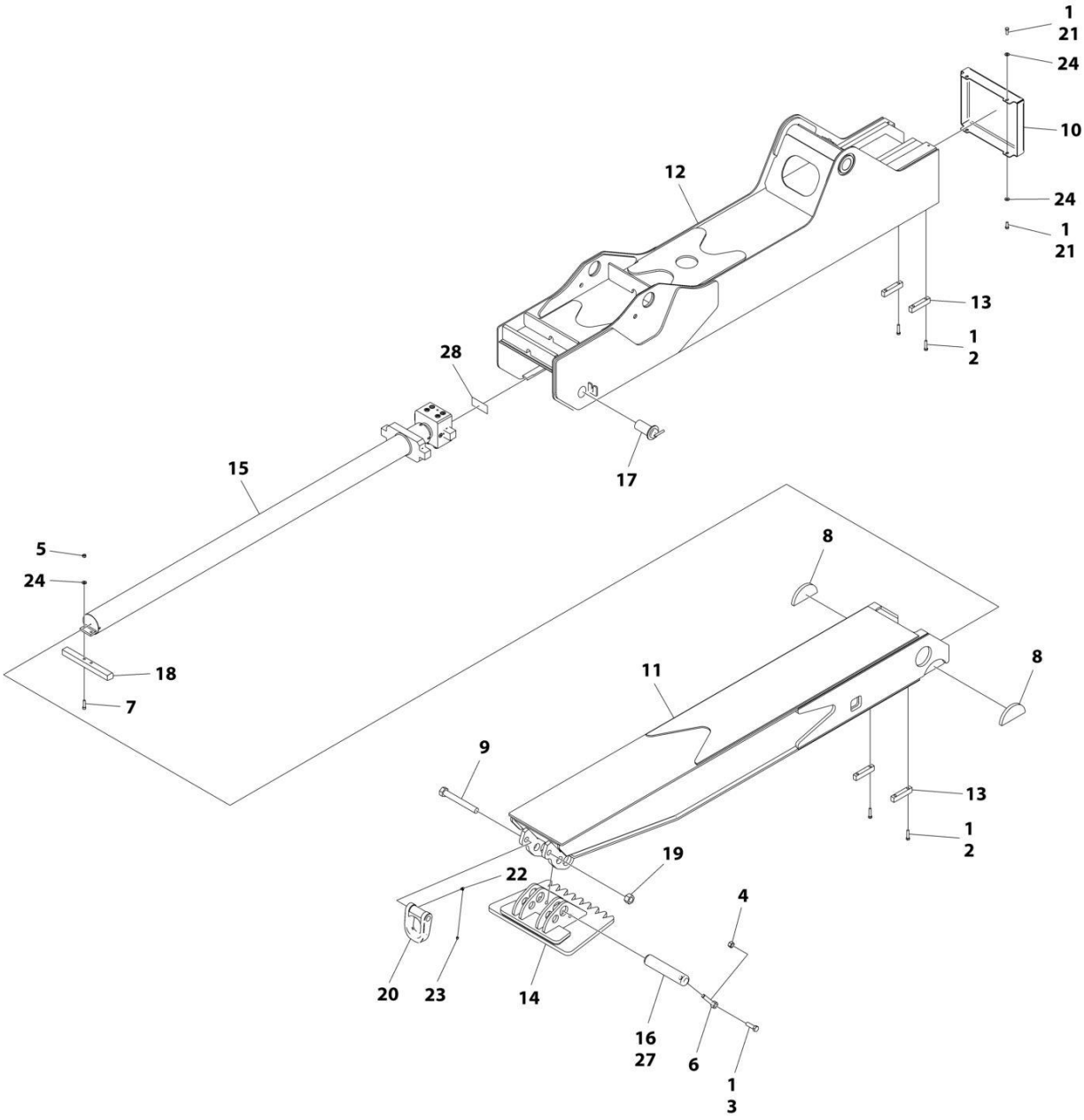


FIGURE 1-5. OUTRIGGER/STABILIZER ASSEMBLY - EXTENDED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179131	Ref	OUTRIGGER/STABILIZER ASSEMBLY - EXTENDED	D
1	1001095650	AR	Compound locking	
2	0641614	8	Bolt 3/8 x 1-3/4	
3	0682016	1	Bolt 5/8 x 2	
4	3272001	1	Nut 5/8	
5	3311605	2	Nut 3/8	
6	3841258	1	Keeper	
7	3931624	2	Screw 3/8 x 1-1/2	
8	1001135667	2	Pad	
9	1001154786	1	Bolt 1 x 8	
10	1001178692	1	Panel	
11	1001178865	1	Inner Stabilizer Weldment	
12	1001178867	1	Outer Stabilizer Weldment	
13	1001179003	4	Retainer	
14	1001179129	1	Pad	
15	1001179132	1	Outrigger/Stabilizer Extension Cylinder (See Separate Breakdown in this Section)	
16	1001179143	1	Pin	
17	1001179160	1	Pad	
18	1001179170	1	Pad	
19	3272605001	1	Nut	
20	4754000006	1	D-Ring	
21	7114160850	4	Bolt 3/8 x 1	
22	7253000002	1	Grease Cap	
23	7440030400	1	Grease Fitting	
24	7950160143	6	Washer 3/8	
25	3691000223	1	Pin (Not Shown)	
26	7691000048	1	Snap Pin (Not Shown)	
27	3020029	AR	Grease	
28	1001158844	1	Decal	

FIGURE 1-6. CYLINDER ASSEMBLY - OUTRIGGER LIFT

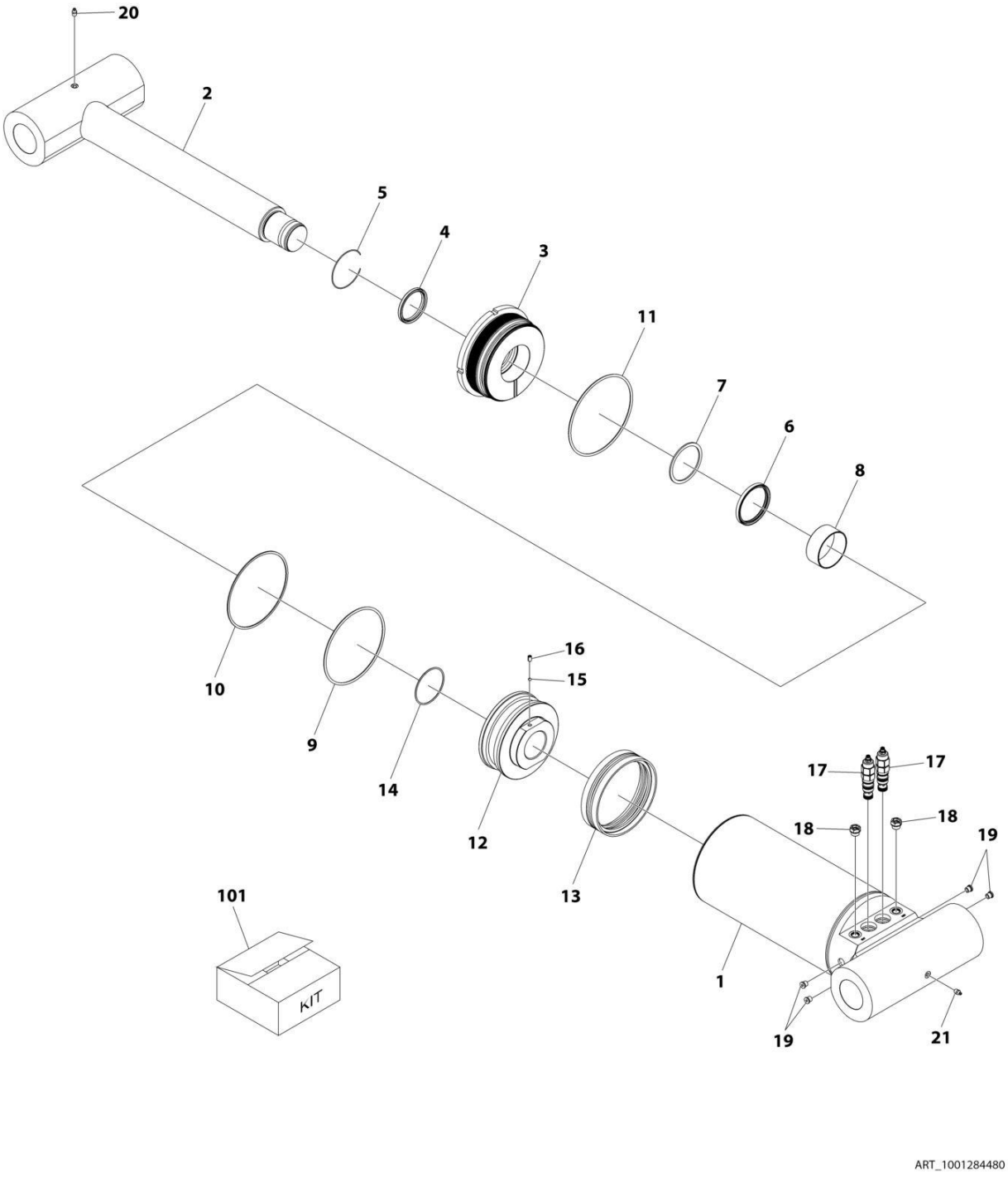


FIGURE 1-6. CYLINDER ASSEMBLY - OUTRIGGER LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284480	Ref	CYLINDER ASSEMBLY - OUTRIGGER LIFT	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not Available for Purchase)	
2	70070208	1	Rod	
3	70070209	1	Gland	
4	See Note	NSS	Wiper, Dust (Note: Use Item 101)	
5	70023380	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 101)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
8	70007423	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 101)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
11	See Note	NSS	O-Ring (Note: Use Item 101)	
12	70070210	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 101)	
14	See Note	NSS	O-Ring (Note: Use Item 101)	
15	70022564	1	Ball, Steel	
16	70029468	1	Screw, Set	
17	70053123	2	Valve, Counterbalance	
18	70070071	2	Plug	
19	2220883	4	Plug	
20	70029469	1	Grease Nipple	
21	70023376	1	Grease Nipple	
101	70053188	1	Seal Kit (Includes 4, 6, 7, 9-11, 13, 14)	

FIGURE 1-7. CYLINDER ASSEMBLY - OUTRIGGER STABILIZER EXTEND

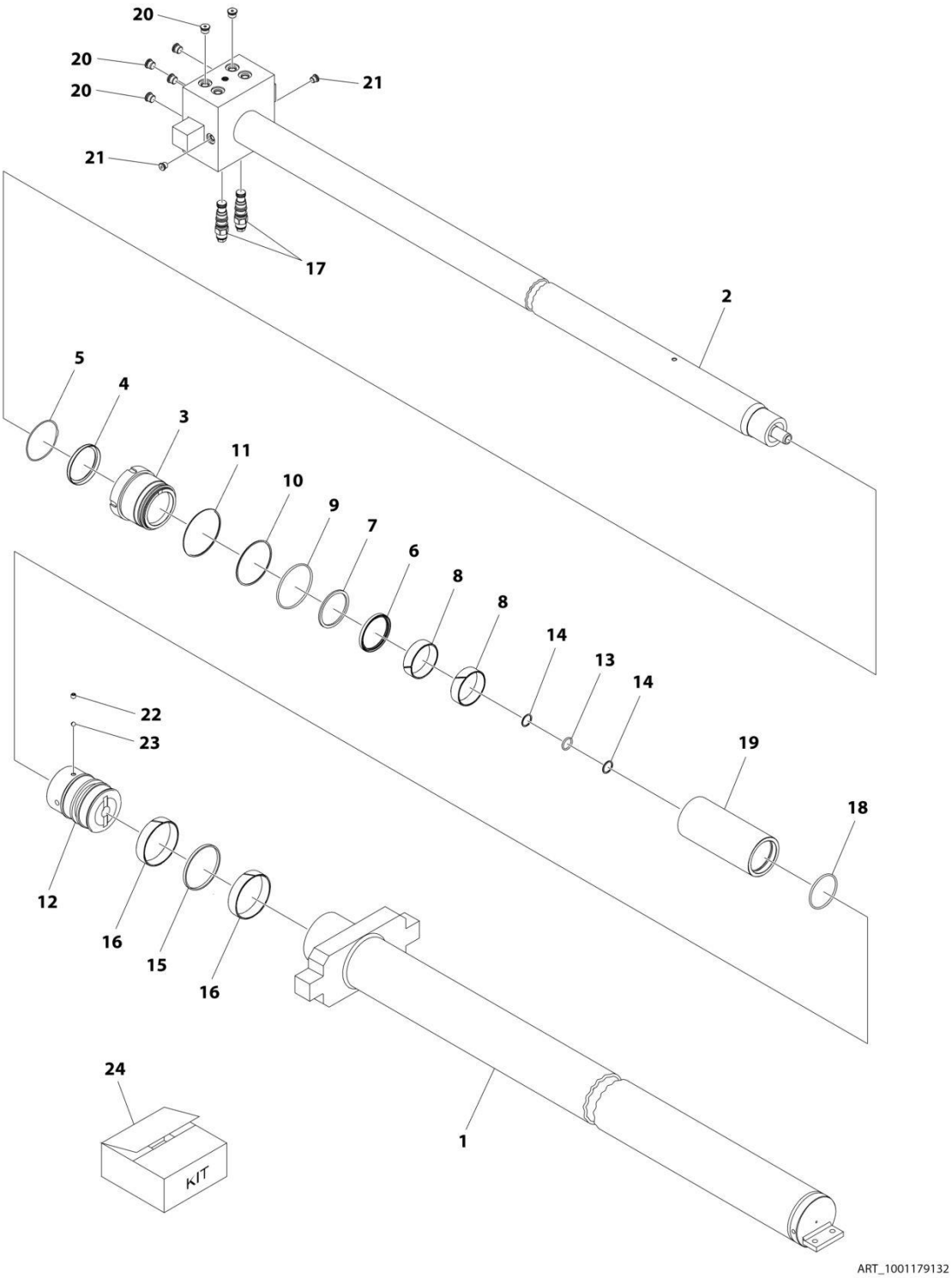


FIGURE 1-7. CYLINDER ASSEMBLY - OUTRIGGER STABILIZER EXTEND

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179132	Ref	Stabilizer Extend Cylinder	C
1	70050791	1	Barrel Weldment	
2	70050792	1	Rod Weldment	
3	70050793	1	Cap	
4	70050794	1	Seal, Wiper	
5	70050795	1	Retaining Ring	
6	70050796	1	Seal, Rod	
7	70050797	1	Seal, Backup Ring	
8	70050798	2	Wear Ring	
9	70050799	1	Seal, O-Ring	
10	70050800	1	Ring, Backup	
11	70050801	1	Seal, Ring	
12	70050802	1	Piston	
13	70050803	1	Seal, O-Ring	
14	70050804	2	Ring, Backup	
15	70050805	1	Seal, Piston	
16	70050806	2	Wear Ring	
17	70050807	2	Counter Balance	
18	70050808	1	Seal, O-Ring	
19	70050809	1	Spacer	
20	70023371	6	Plug	
21	70023370	2	Plug	
22	70022563	1	Set Screw, M8 x 1-1/4	
23	70022564	1	Steel Ball	
24	70050810	1	Seal Kit	

FIGURE 1-8. REAR HYDRAULIC SPADES INSTALLATION

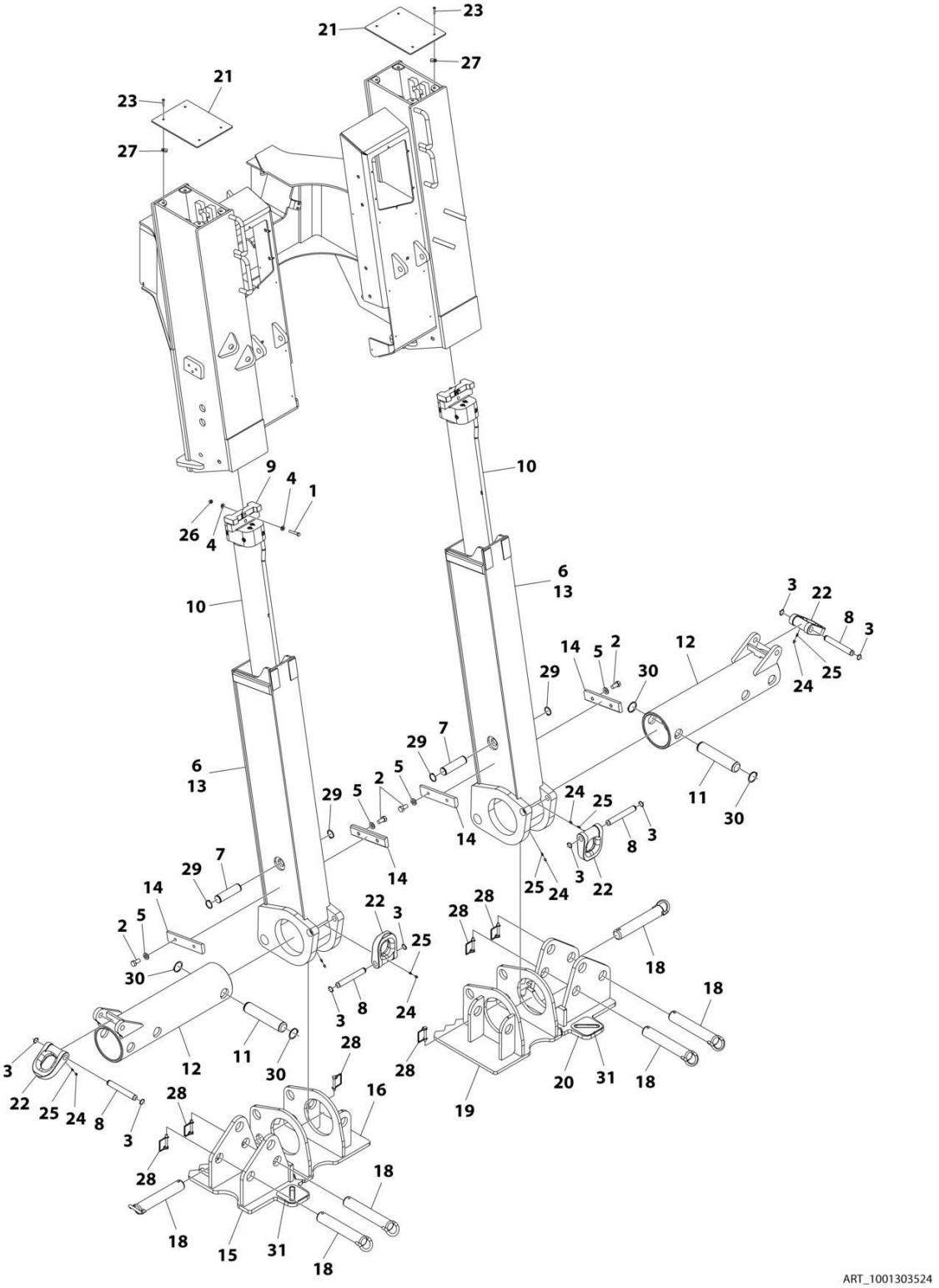


FIGURE 1-8. REAR HYDRAULIC SPADES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303524	Ref	REAR HYDRAULIC SPADES INSTALLATION	B
1	0641618	2	Bolt 3/8 x 2-1/4	
2	0642010	8	Bolt 5/8 x 1-1/4	
3	3760115	8	Ring, Retaining	
4	4891600	4	Washer 3/8	
5	4892000	8	Washer 5/8	
6	1001116761	AR	Lubricant	
7	1001250391	2	Pin	
8	1001250393	4	Pin	
9	1001250845	4	Block	
10	1001294207	2	Cylinder, Rotator Rear Spade Lift (See Separate Breakdown in this Section)	
11	1001305729	2	Pin	
12	1001305732	2	Stabilizer	
13	1001305737	2	Stabilizer	
14	1001305739	4	Spacer Bar	
15	1001305741	1	Stabilizer	
16	1001305742	1	Stabilizer	
17	1001152707	AR	Lubricant (Not Shown)	
18	1001305744	6	Pin	
19	1001305745	1	Stabilizer	
20	1001305746	1	Stabilizer	
21	1001305747	2	Panel	
22	4754000006	4	D-Ring	
23	7114141018	8	Screw 1/4 x 1-1/4	
24	7253000002	6	Cap, Grease Fitting	
25	7440030000	6	Fitting, Straight	
26	7660162601	2	Nut 3/8	
27	7661000064	8	U-Nut 1/4	
28	7691000025	6	Pin	
29	7754000033	4	Ring, Retaining	
30	7754000048	4	Ring, Retaining	
31	1001174339	2	Decal, Spade Housing Step	

FIGURE 1-9. SADDLE SHIMS KIT

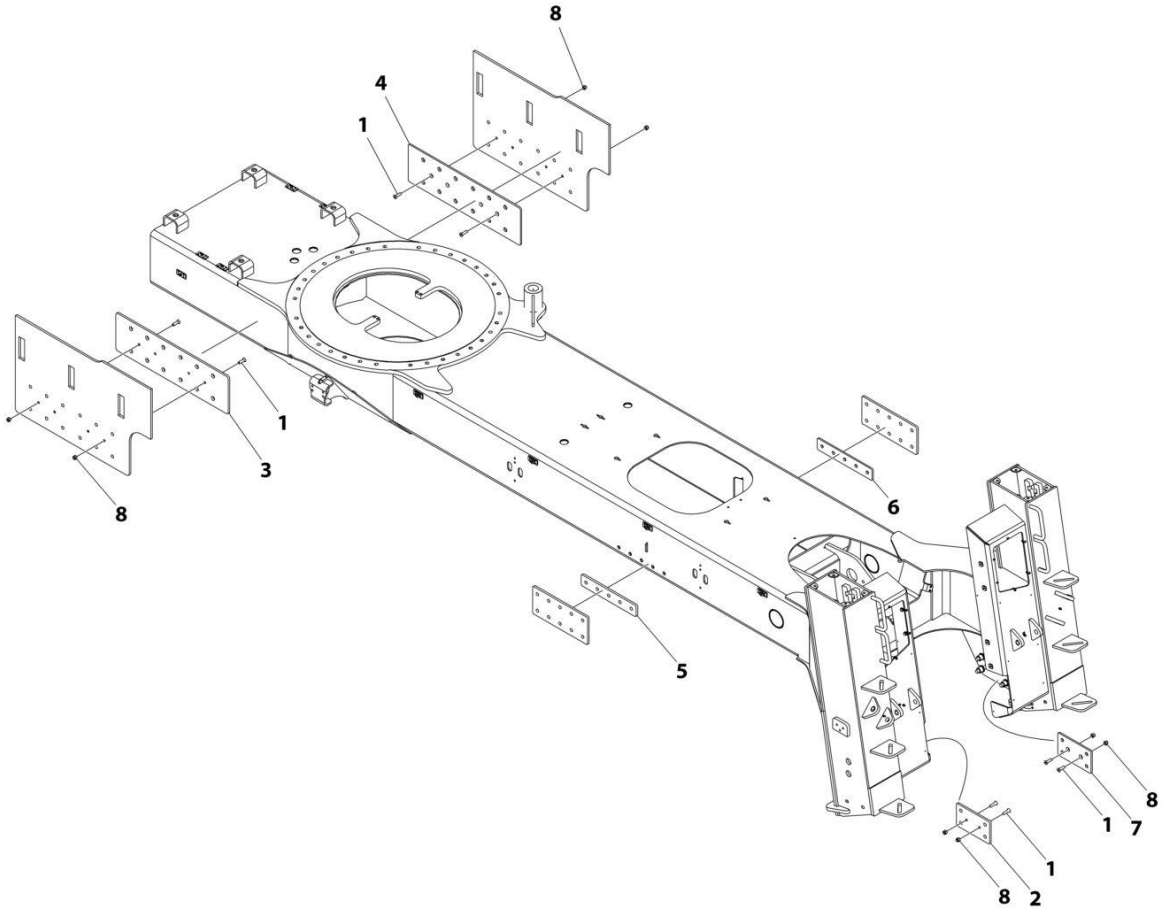


FIGURE 1-9. SADDLE SHIMS KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305523	Ref	SADDLE SHIMS KIT	A
1	0741814	8	Capscrew 1/2 x 1-1/4	
2	1001300895	1	Plate	
3	1001309371	1	Plate	
4	1001309372	1	Plate	
5	1001309373	1	Plate	
6	1001309375	1	Plate	
7	1001309376	1	Plate	
8	7660182601	8	Nut 1/2	

FIGURE 1-10. SLEW BEARING INSTALLATION

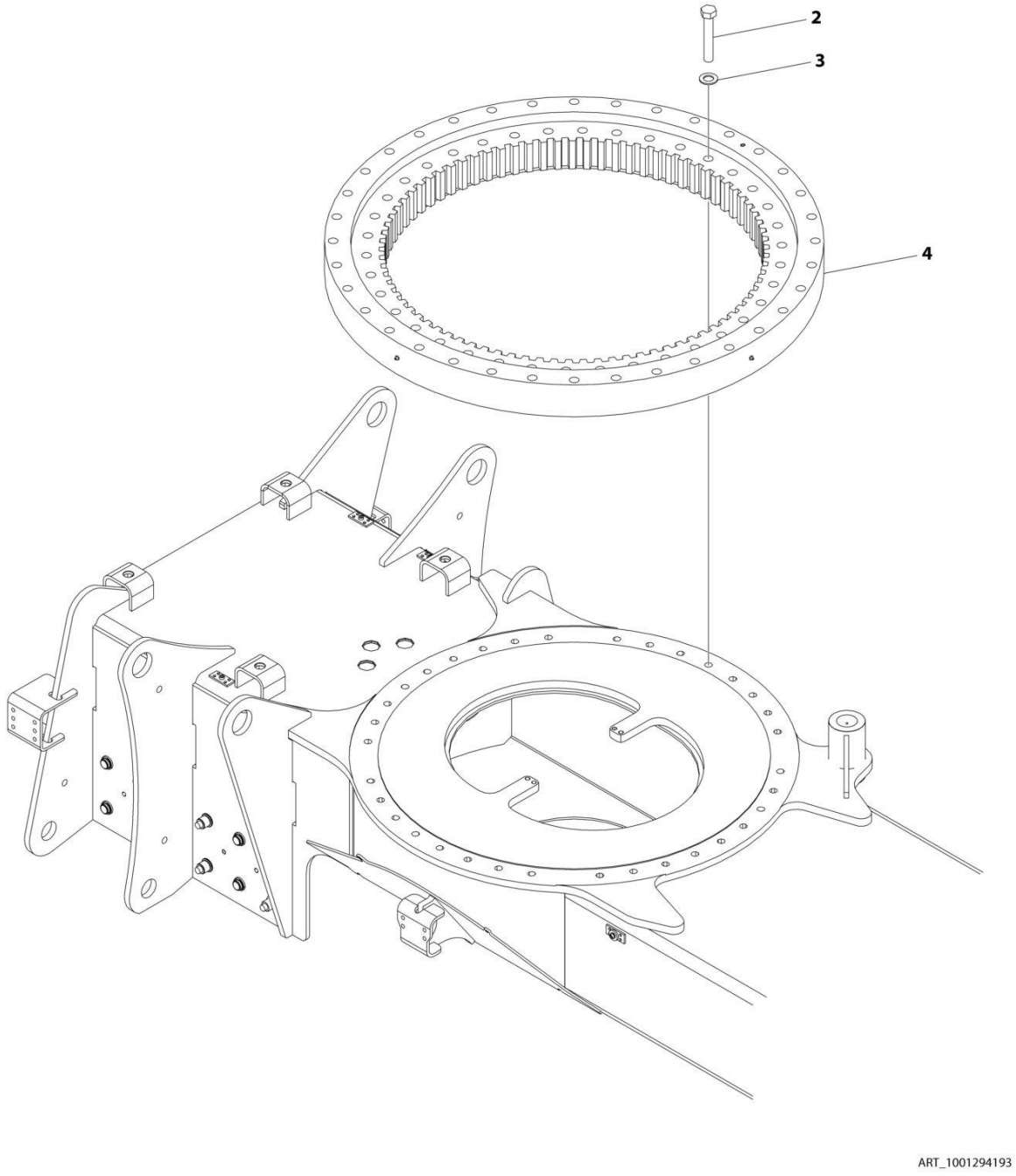


FIGURE 1-10. SLEW BEARING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294193	Ref	SLEW BEARING INSTALLATION	B
1	8481460009	1	Lubricate (Not Shown)	
2	0682648	34	Bolt 1 x 6	
3	10701259	34	Washer	
4	1001319938	1	Bearing	

FIGURE 1-11. SLEW DRIVE INSTALLATION

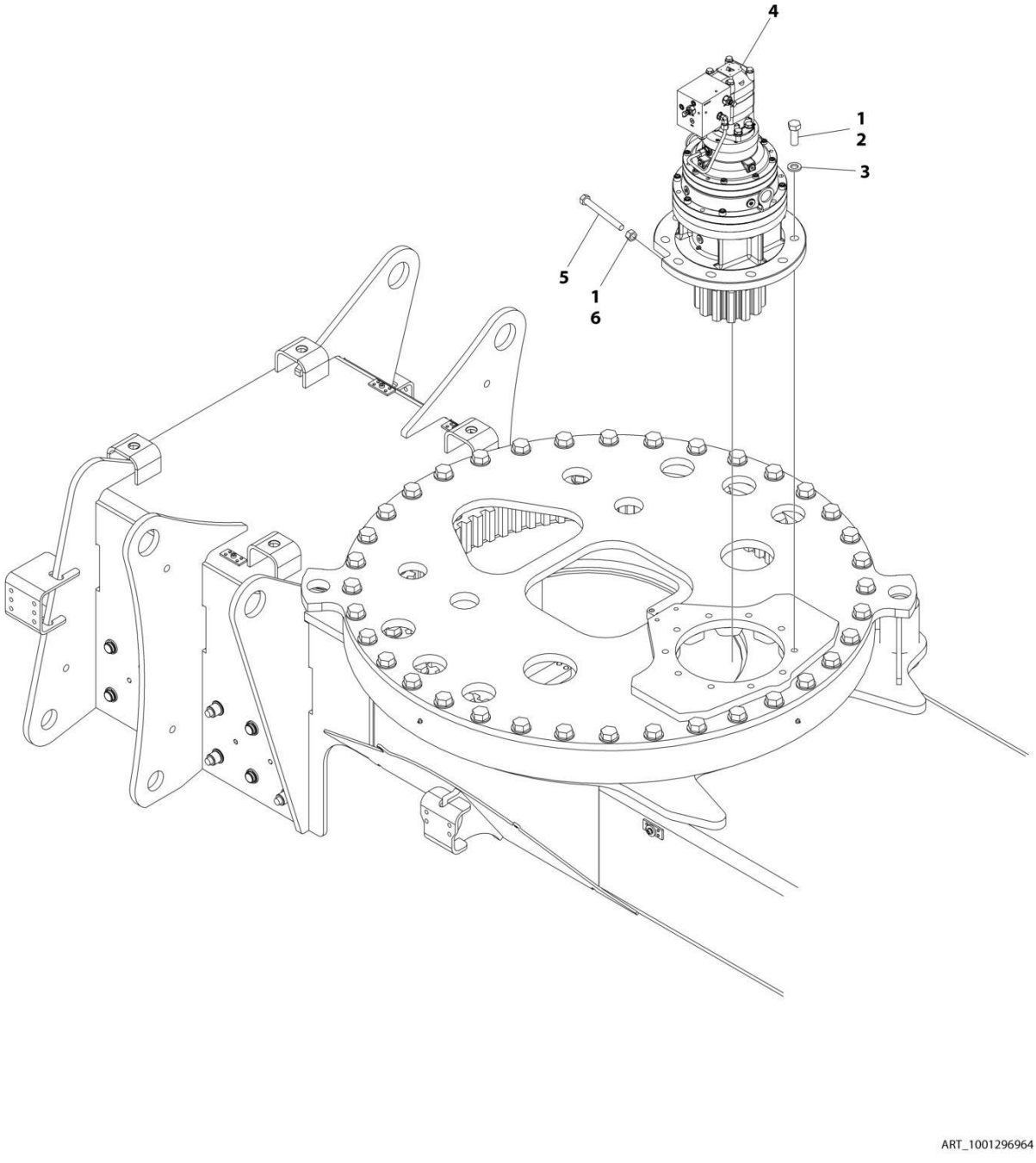


FIGURE 1-11. SLEW DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296964	Ref	SLEW DRIVE INSTALLATION	D
1	0100011	AR	Compound locking	
2	0682216	10	Bolt 3/4 x 2 Grade 8	
3	4892200	10	Washer 3/4	
4	1001315711	1	Hub, Swing Drive	
5	1001323829	1	Bolt 5/8 x 6	
6	3272001	1	Nut 5/8	
8	1001315755	1	Shim	

FIGURE 1-12. TAILBOARDS INSTALLATION

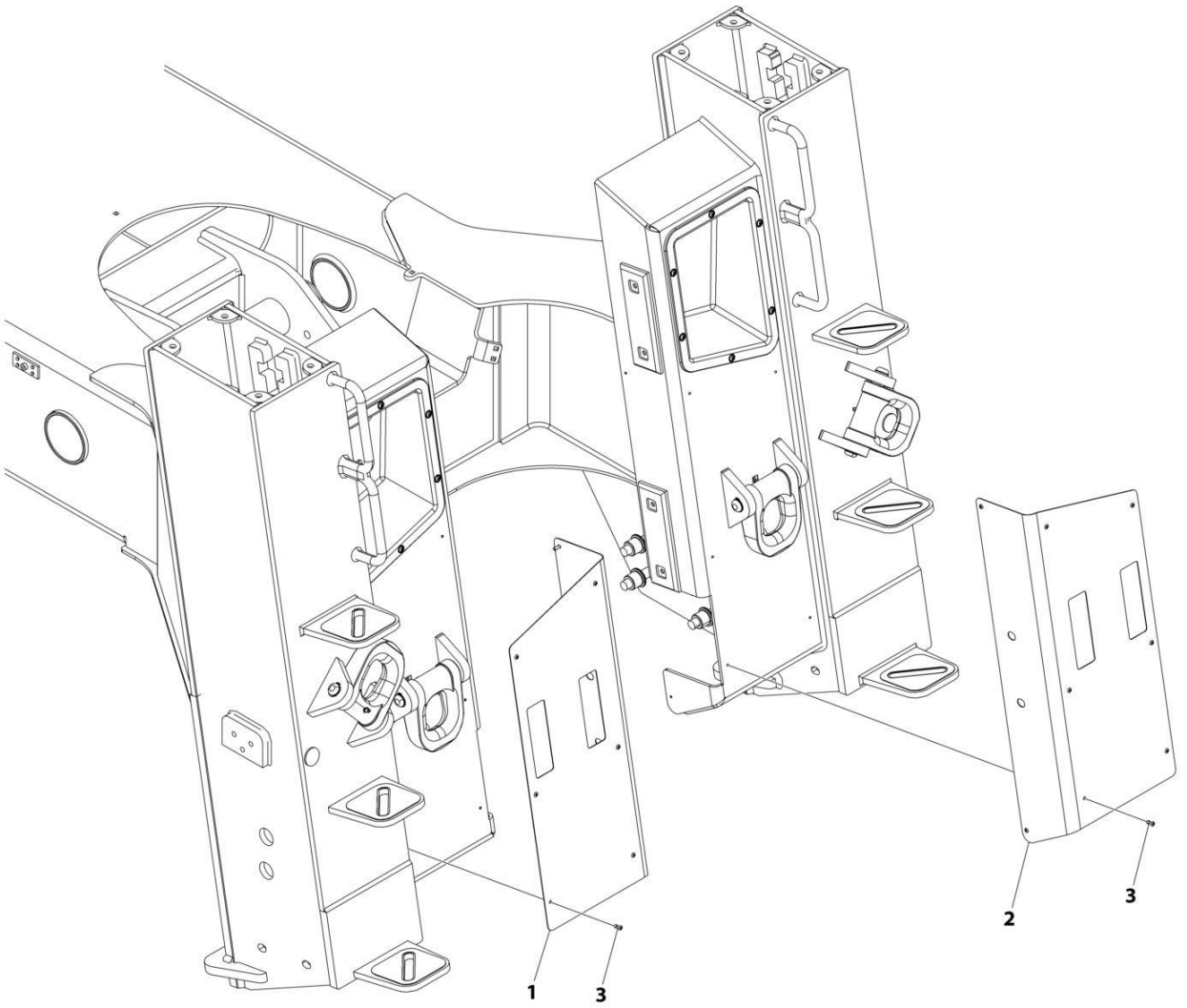


FIGURE 1-12. TAILBOARDS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303573	Ref	DIAMOND PLATE INSTALLATION - REAR	A
1	1001310825	1	Cover - LH	
2	1001310826	1	Cover - RH	
3	7759000018	16	Rivet	

FIGURE 1-13. TURNTABLE INSTALLATION

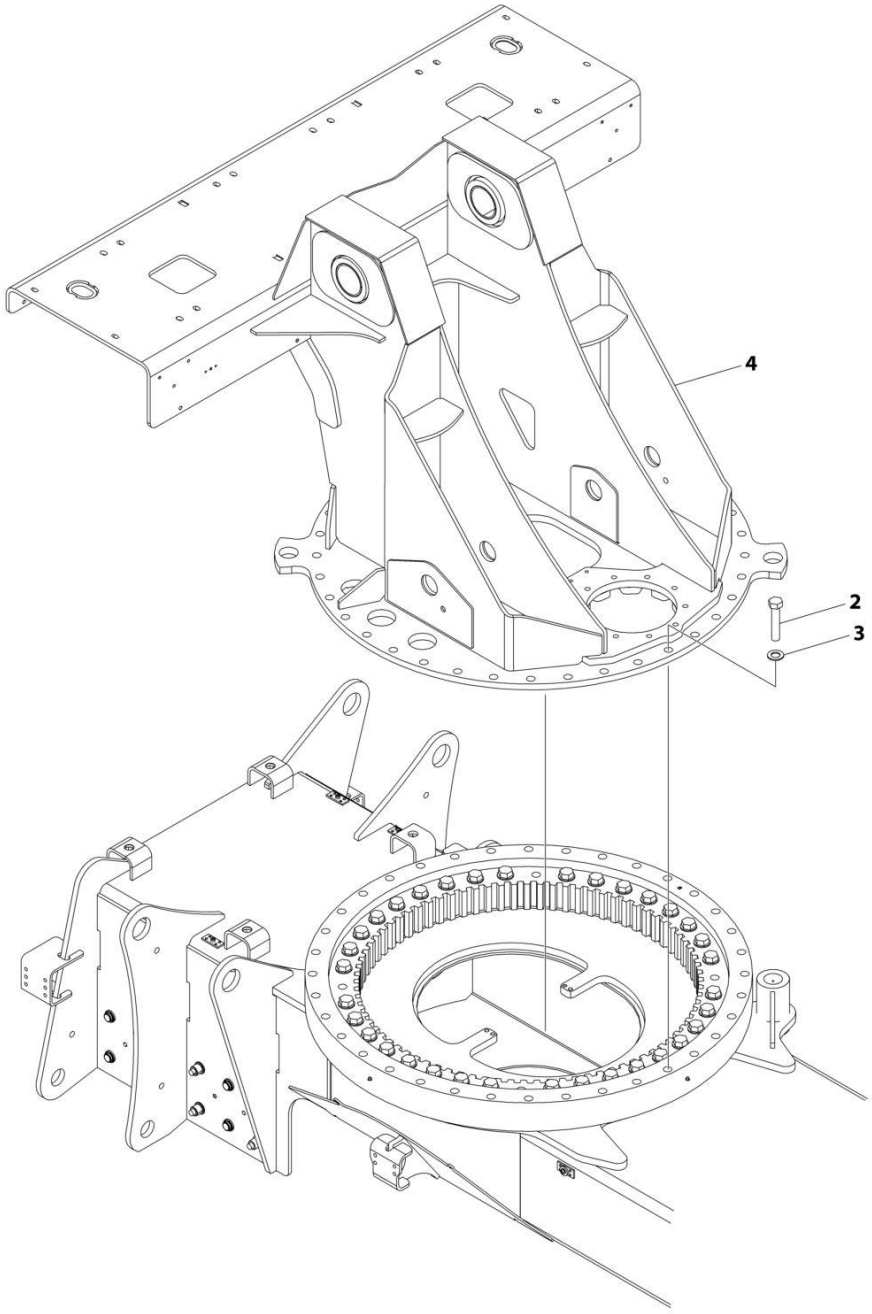


FIGURE 1-13. TURNTABLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001298539	Ref	TURNTABLE INSTALLATION	B
1	8481460009	AR	Lubricate (Not Shown)	
2	0682640	36	Bolt 1 x 5 Grd 8	
3	10701259	36	Washer	
4	1001298466	1	Turntable Weldment	

SECTION 2 - BOOM

FIGURE 2-1. WRECKER BOOM INSTALLATION - 3 PIECE

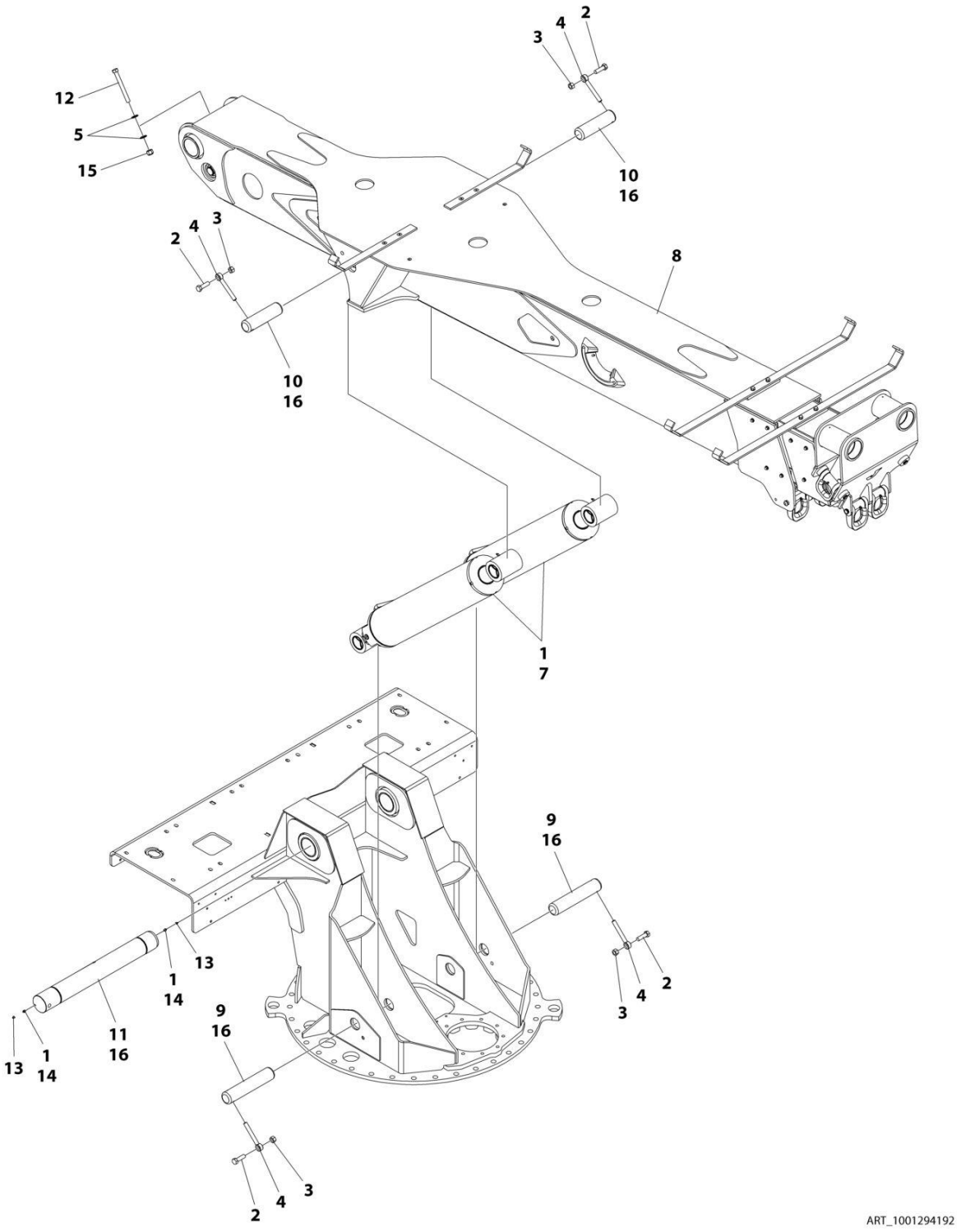


FIGURE 2-1. WRECKER BOOM INSTALLATION - 3 PIECE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294192	Ref	WRECKER BOOM INSTALLATION	B
1	1001152707	AR	Lubricant	
2	0682220	4	Bolt 3/4 x 2-1/2	
3	3272205	4	Nut 3/4	
4	3841287	4	Rod	
5	4712200	2	Washer 3/4	
6	1001172491	1	Strap Cable (Not Shown)	
7	1001294171	2	Lift Cylinder Assembly (See Separate Breakdown in this Section)	
8	1001294191	1	Boom Assembly (See Separate Breakdown in this Section)	
9	1001298941	2	Pin	
10	1001298942	2	Pin	
11	4691000556	1	Pin	
12	7118225650	1	Capscrew 3/4 x 7	
13	7253000002	2	Cap, Grease Fitting	
14	7440000000	2	Fitting, Grease	
15	7660222601	1	Nut 3/4	
16	3020039	AR	Lubricant	

FIGURE 2-2. WRECKER BOOM INSTALLATION - 3 PIECE WITH AUXILIARY WINCHES

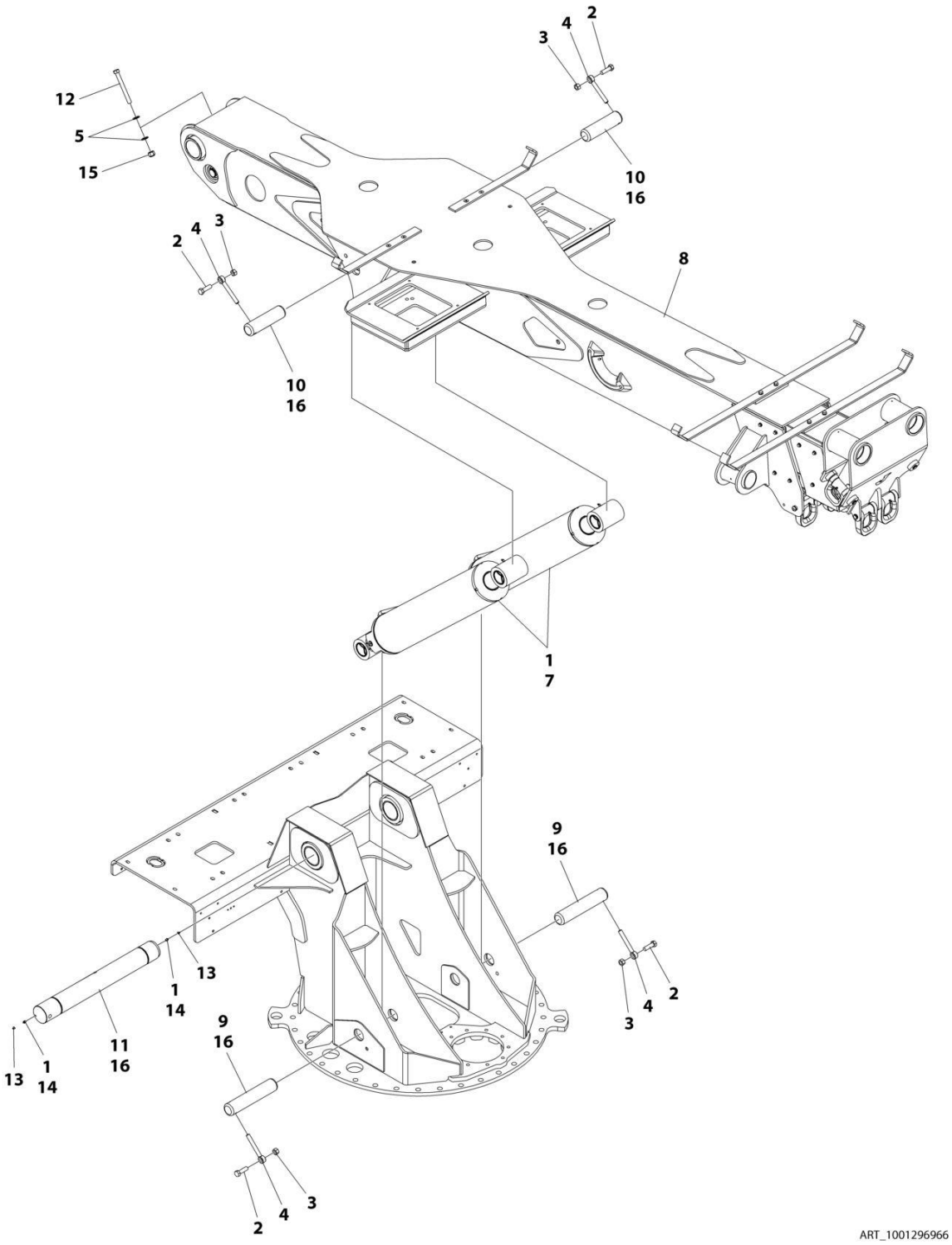


FIGURE 2-2. WRECKER BOOM INSTALLATION - 3 PIECE WITH AUXILIARY WINCHES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296966	Ref	WRECKER BOOM INSTALLATION - 3 PIECE WITH AUXILIARY WINCHES	B
1	1001152707	AR	Lubricant	
2	0682220	4	Bolt 3/4 x 2-1/2	
3	3272205	4	Nut 3/4	
4	3841287	4	Rod	
5	4712200	2	Washer 3/4	
6	1001172491	1	Strap Cable (Not Shown)	
7	1001294171	2	Lift Cylinder Assembly (See Separate Breakdown in this Section)	
8	1001296967	1	Boom Assembly (See Separate Breakdown in this Section)	
9	1001298941	2	Pin	
10	1001298942	2	Pin	
11	4691000556	1	Pin	
12	7118225650	1	Capscrew 3/4 x 7	
13	7253000002	2	Cap, Grease Fitting	
14	7440000000	2	Fitting, Grease	
15	7660222601	1	Nut 3/4	
16	3020039	AR	Lubricant	

FIGURE 2-3. WRECKER BOOM ASSEMBLY

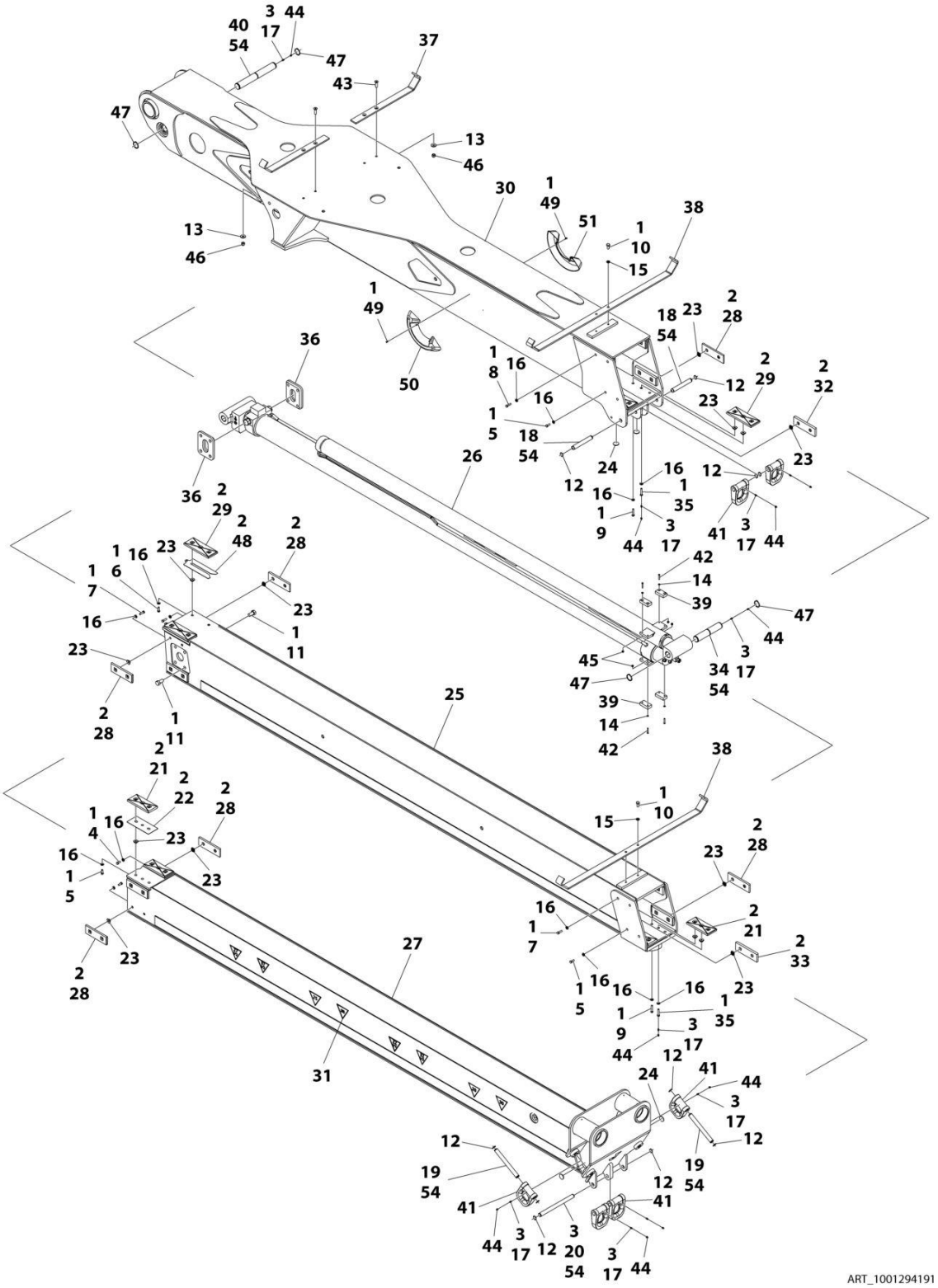


FIGURE 2-3. WRECKER BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294191	Ref	WRECKER BOOM ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	1001116761	AR	Lubricant	
3	1001152707	AR	Lubricant	
4	0641607	8	Bolt 3/8 x 7/8	
5	0641608	12	Bolt 3/8 x 1	
6	0641609	4	Bolt 3/8 x 1-1/8	
7	0641610	12	Bolt 3/8 x 1-1/4	
8	0641611	4	Bolt 3/8 x 1-3/8	
9	0641615	8	Bolt 3/8 x 1-7/8	
10	0641808	4	Bolt 1/2 x 1	
11	0642212	8	Bolt 3/4 x 1-1/2	
12	3760115	10	Ring, Retaining	
13	4751800	4	Washer 1/2	
14	4761400	8	Washer 1/4	
15	4761800	4	Washer 1/2	
16	4891600	52	Washer 3/8	
17	88671008	12	Fitting, Grease	
18	1001250393	2	Pin	
19	1001250399	2	Pin	
20	1001250400	1	Pin	
21	1001251649	4	Pad	
22	1001254942	2	Shim	
23	1001257687	52	Pad	
24	1001258243	4	Decal, D-Ring Wear	
25	1001290203	1	Boom Weldment, Mid Section	
26	1001293582	1	Extension Cylinder Assembly (See Separate Breakdown in this Section)	
27	1001294403	1	Boom Weldment, Fly Section	
28	1001294832	12	Pad	
29	1001294969	4	Pad	
30	1001320024	1	Boom Weldment, Base Section	
31	1001299348	1	Decal, Boom Extension	
32	1001302141	2	Pad	
33	1001302142	2	Pad	
34	1001302216	1	Pin	
35	1001302225	4	Bolt 3/8 x 1-7/8	
36	3706000241	2	Plate	
37	4062000522	2	Bar	
38	4062000589	2	Bar	
39	4679000319	4	Pad	
40	4691000417	1	Pin	
41	4754000006	6	D-Ring	
42	7114141218	8	Bolt 1/4 x 1-1/2	
43	7115181423	4	Capscrew 1/2 x 1-3/4	
44	7253000002	12	Cap, Grease Fitting	
45	7660142604	8	Nut 1/4	
46	7660182601	4	Nut 1/5	
47	7754000055	4	Ring, Retaining	
48	1001320139	2	Shim	

SECTION 2 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	7114100418	4	Capscrew #10 x 1/2	
50	7470000014	1	Gauge, Angle Indicator - LH	
51	7470000019	1	Gauge, Angle Indicator - RH	
54	3020039	AR	Lubricant	

FIGURE 2-4. WRECKER BOOM ASSEMBLY - WITH AUXILIARY WINCH

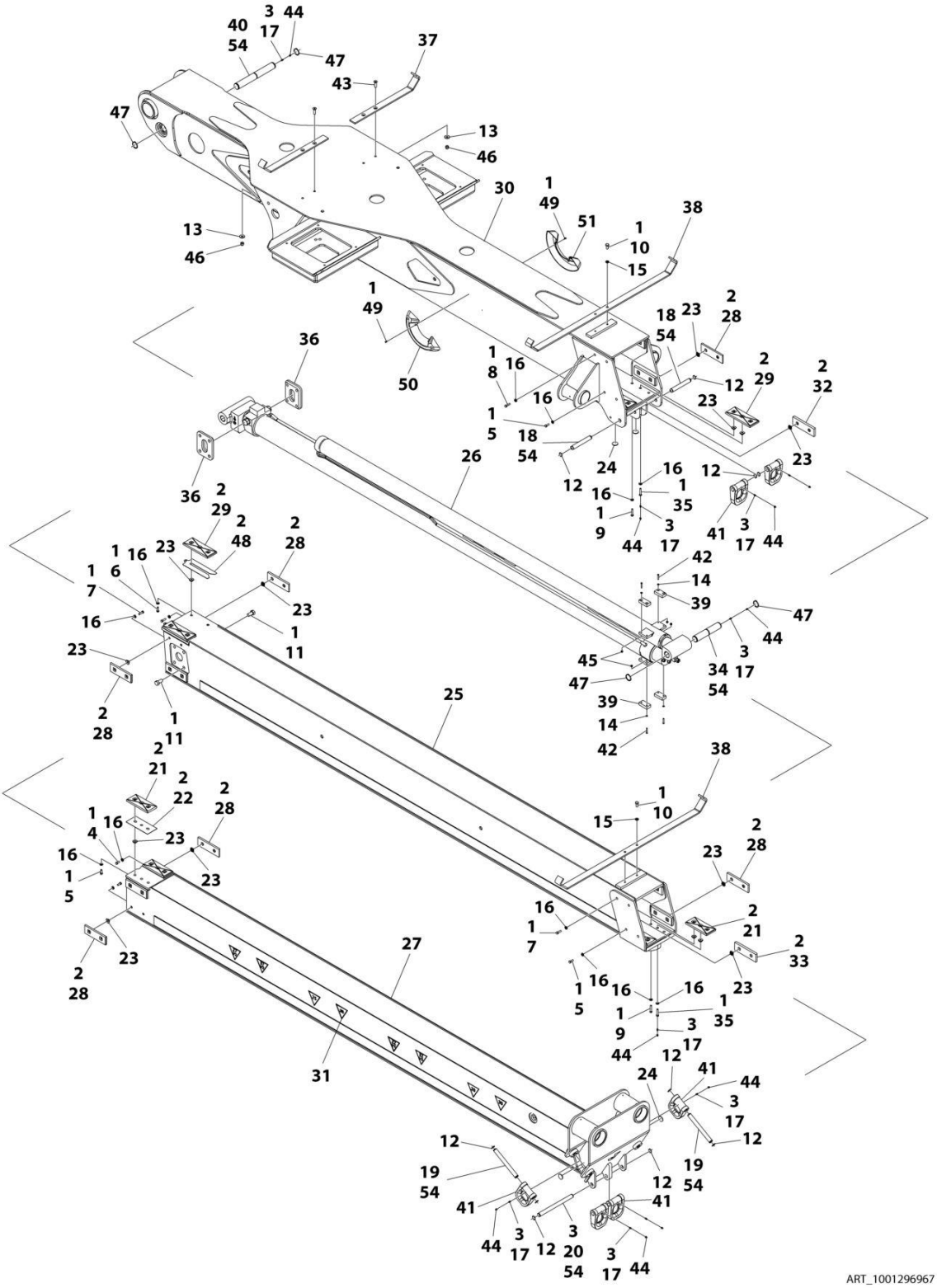


FIGURE 2-4. WRECKER BOOM ASSEMBLY - WITH AUXILIARY WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296967	Ref	WRECKER BOOM ASSEMBLY - WITH AUXILIARY WINCH	C
1	0100011	AR	Compound, Locking	
2	1001116761	AR	Lubricant	
3	1001152707	AR	Lubricant	
4	0641607	8	Bolt 3/8 x 7/8	
5	0641608	12	Bolt 3/8 x 1	
6	0641609	4	Bolt 3/8 x 1-1/8	
7	0641610	12	Bolt 3/8 x 1-1/4	
8	0641611	4	Bolt 3/8 x 1-3/8	
9	0641615	8	Bolt 3/8 x 1-7/8	
10	0641808	4	Bolt 1/2 x 1	
11	0642212	8	Bolt 3/4 x 1- 1/2	
12	3760115	10	Ring, Retaining	
13	4751800	4	Washer 1/2	
14	4761400	8	Washer 1/4	
15	4761800	4	Washer 19/32	
16	4891600	52	Washer	
17	88671008	12	Fitting, Grease	
18	1001250393	2	Pin	
19	1001250399	2	Pin	
20	1001250400	1	Pin	
21	1001251649	4	Pad	
22	1001254942	2	Shim	
23	1001257687	52	Pad	
24	1001258243	4	Decal, D-Ring Wear	
25	1001290203	1	Boom Weldment, Mid Section	
26	1001293582	1	Extension Cylinder Assembly (See Separate Breakdown in this Section)	
27	1001294403	1	Boom Weldment, Fly Section	
28	1001294832	12	Pad	
29	1001294969	4	Pad	
30	1001296144	1	Boom Weldment, Base Section	
31	1001299348	1	Decal, Boom Extension	
32	1001302141	2	Pad	
33	1001302142	2	Pad	
34	1001302216	1	Pin	
35	1001302225	4	Bolt 3/8 x 1-7/8	
36	3706000241	2	Plate	
37	4062000522	2	Bar	
38	4062000589	2	Bar	
39	4679000319	4	Pad	
40	4691000417	1	Pin	
41	4754000006	6	D-Ring	
42	7114141218	8	Bolt 1/4 x 1-1/2	
43	7115181423	4	Capscrew 1/2 x 1-3/4	
44	7253000002	12	Cap, Grease Fitting	
45	7660142604	8	Nut 1/4	
46	7660182601	4	Nut 1/2	
47	7754000055	4	Ring, Retaining	
48	1001320139	2	Shim	

SECTION 2 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	7114100418	4	Capscrew #10 x 1/2	
50	7470000014	1	Gauge, Angle Indicator - LH	
51	7470000019	1	Gauge, Angle Indicator - RH	
54	3020039	AR	Lubricant	

FIGURE 2-5. WRECKER BOOM VANITY PLATES BLANK INSTALLATION

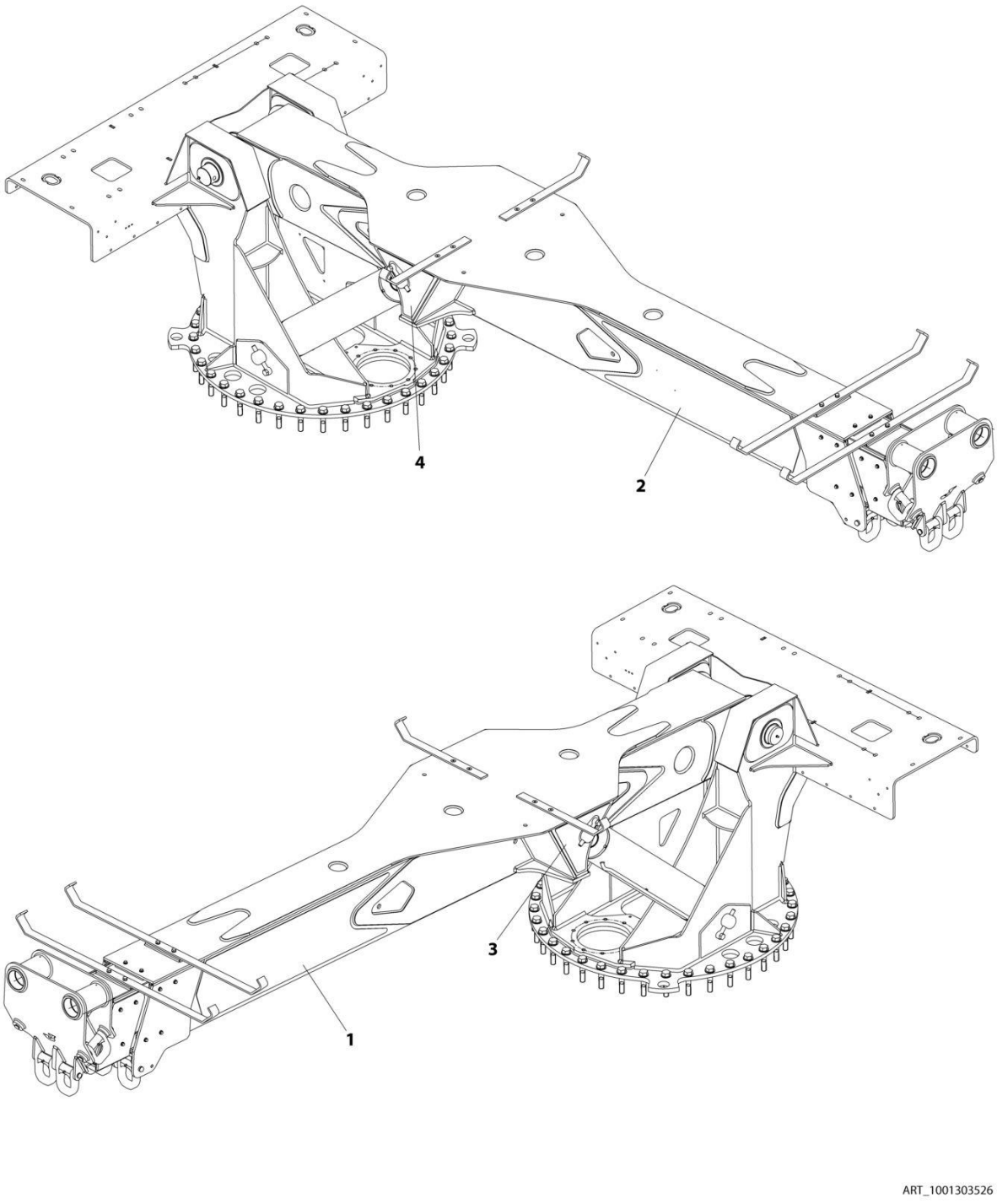


FIGURE 2-5. WRECKER BOOM VANITY PLATES BLANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303526	Ref	WRECKER BOOM VANITY PLATES BLANK INSTALLATION	A
1	1001319150	1	Plate, Boom Side Vanity RH	
2	1001319151	1	Plate, Boom Side Vanity LH	
3	1001319152	1	Plate, Lift Cylinder Boom Vanity RH	
4	1001319153	1	Plate, Lift Cylinder Boom Vanity LH	
5	8892040001	1 ft	Tape (Not Shown)	

FIGURE 2-6. WINCH INSTALLATION - RAMSEY

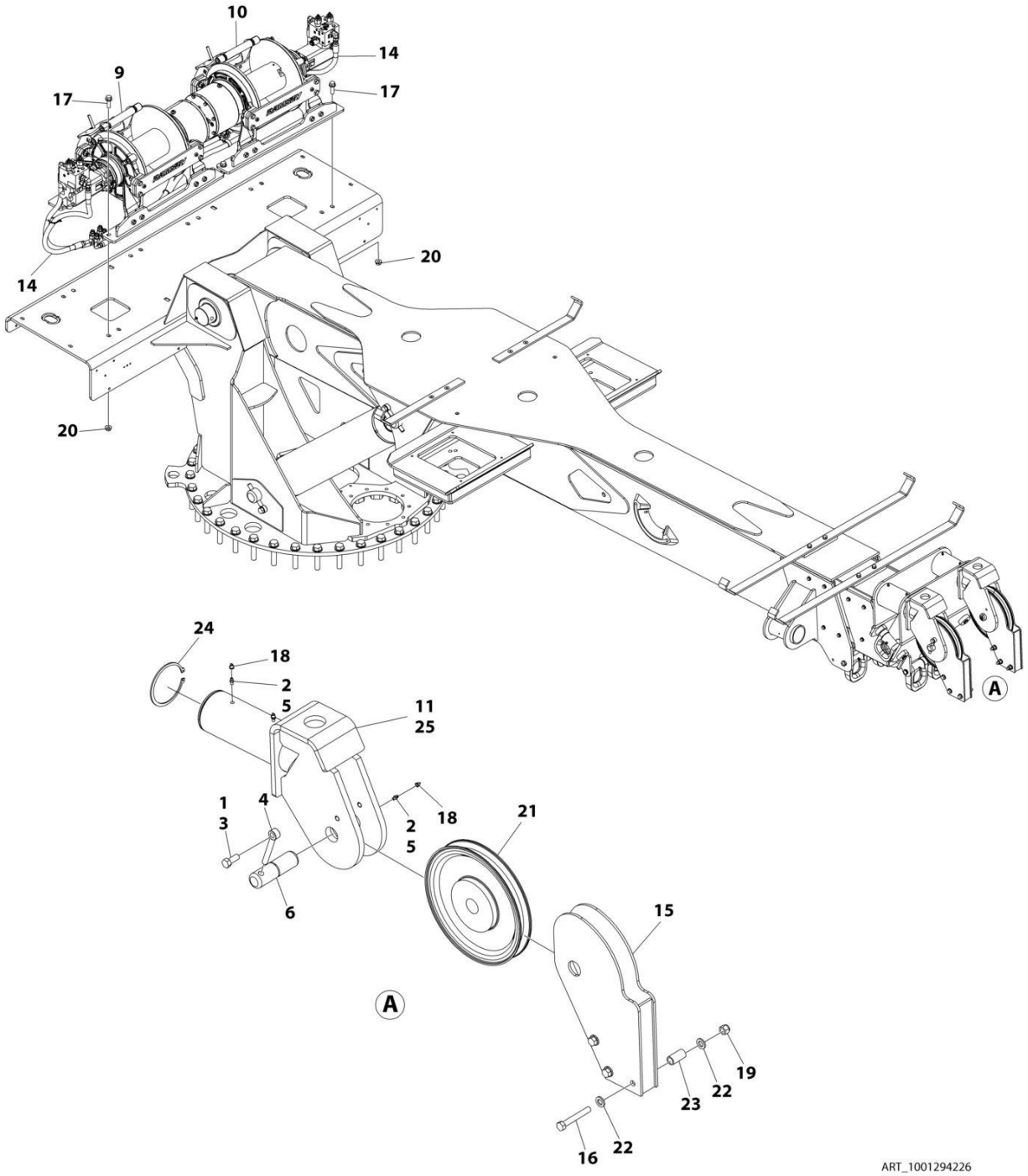
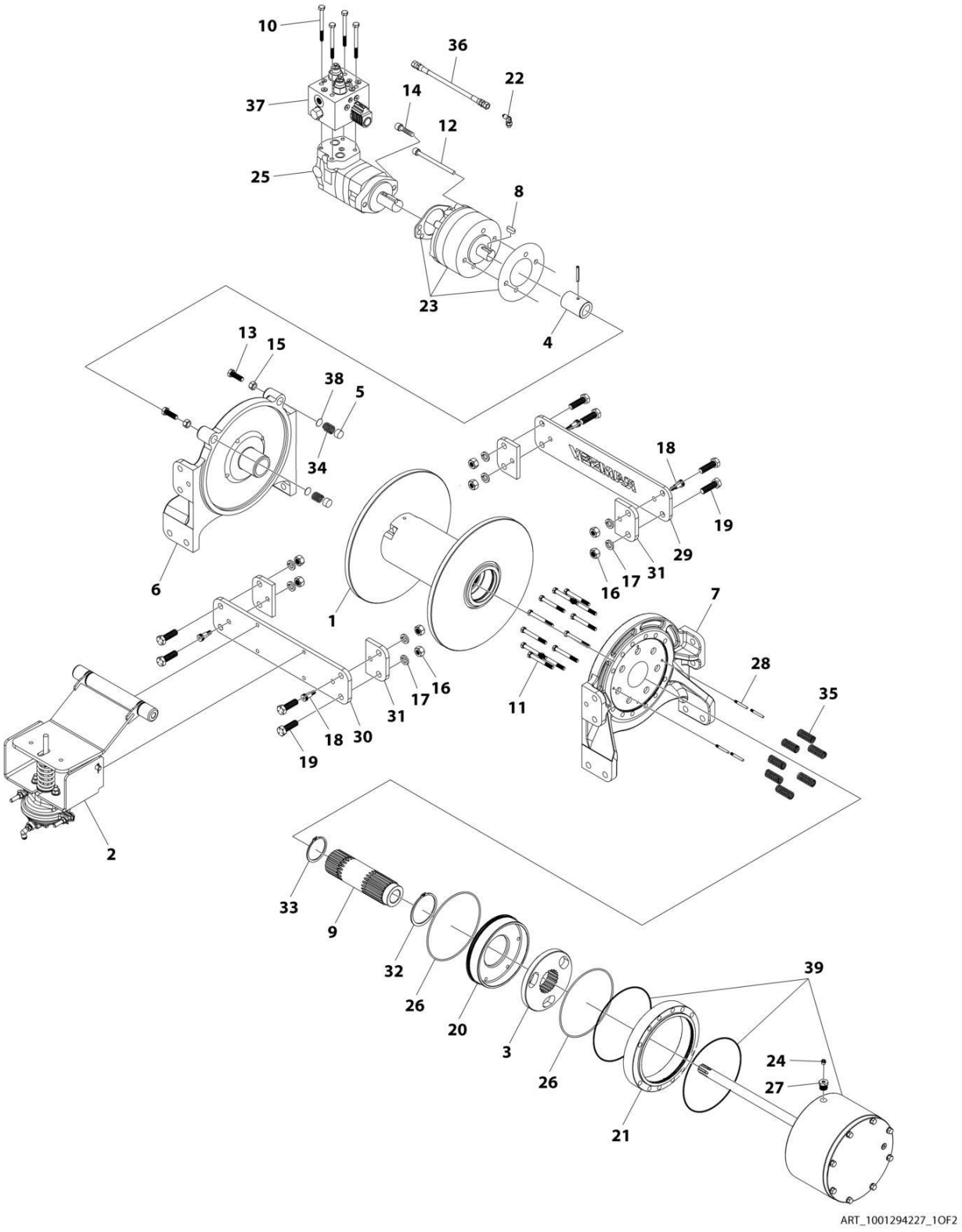


FIGURE 2-6. WINCH INSTALLATION - RAMSEY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294226	Ref	WINCH INSTALLATION - RAMSEY	B
1	0100011	AR	Compound locking	
2	1001152707	AR	Lubricant	
3	0641810	2	Bolt 1/2 x 1-1/4	
4	3841203	2	Keeper, Pin	
5	88671008	6	Fitting, Grease	
6	1001169893	2	Pin	
9	1001294227	1	Ramsey Hercules Winch 35,000 lbs - LH (See Separate Breakdown in this Section)	
10	1001294228	1	Ramsey Hercules Winch 35,000 lbs - RH (See Separate Breakdown in this Section)	
11	1001296165	2	Mount	
14	1001304283	1	Hydraulic Winch Installation - Ramsey (See Separate Breakdown in HYDRAULIC Section)	
15	3249000035	2	Cable Guide	
16	7115182850	6	Bolt 1/2 x 3-1/2	
17	7118201616	16	Capscrew 5/8 x 2	
18	7253000002	6	Cap, Grease Fitting	
19	7660182601	6	Nut 1/2	
20	7661000018	16	Nut 5/8	
21	7809000004	2	Sheave	
22	7950180153	12	Washer 1/2	
23	4831000104	6	Spacer	
24	7754000059	2	Ring	
25	3020039	AR	Lubricant	

FIGURE 2-7. WINCH ASSEMBLY - 35,000 LBS (RAMSEY) - LH



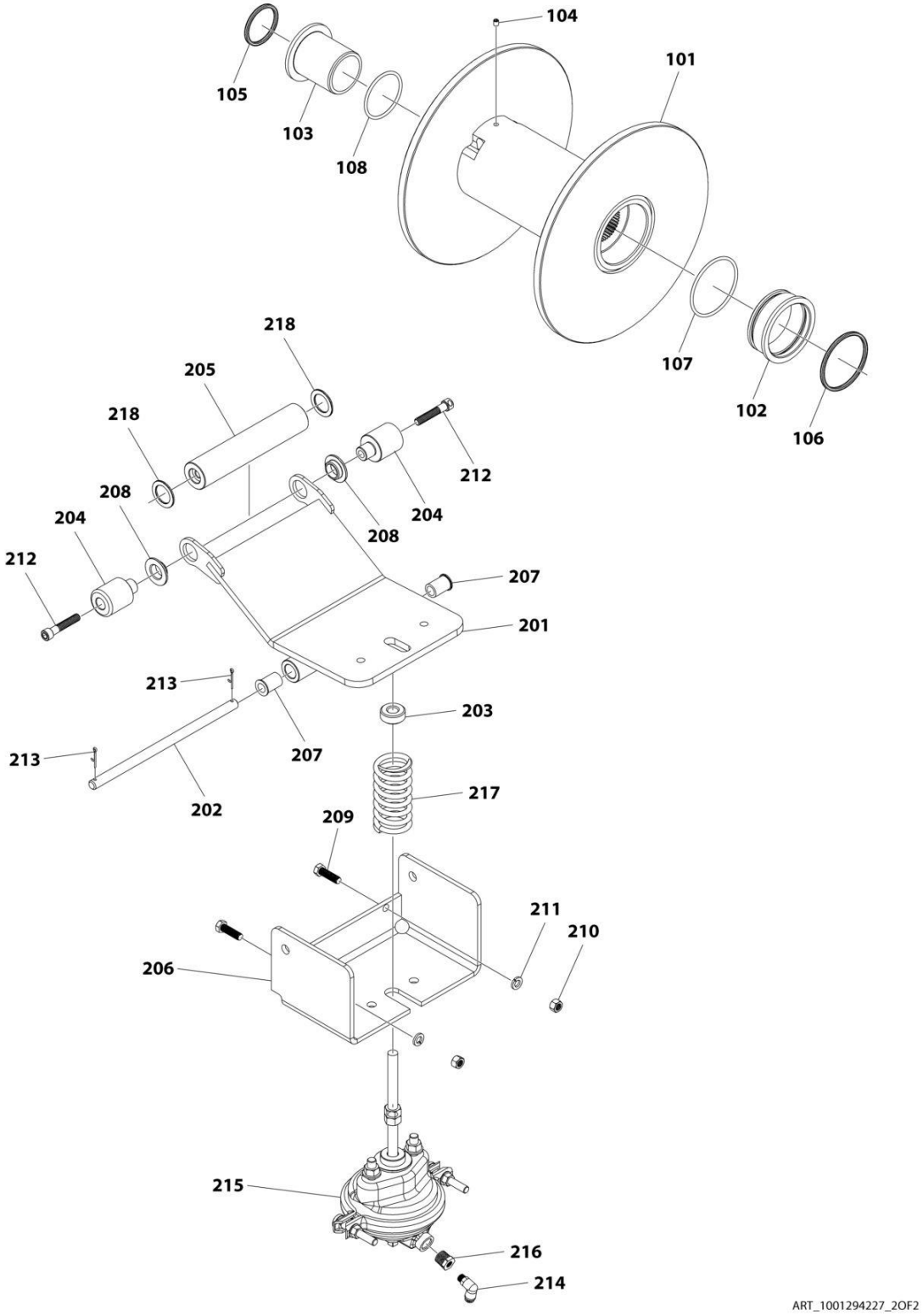
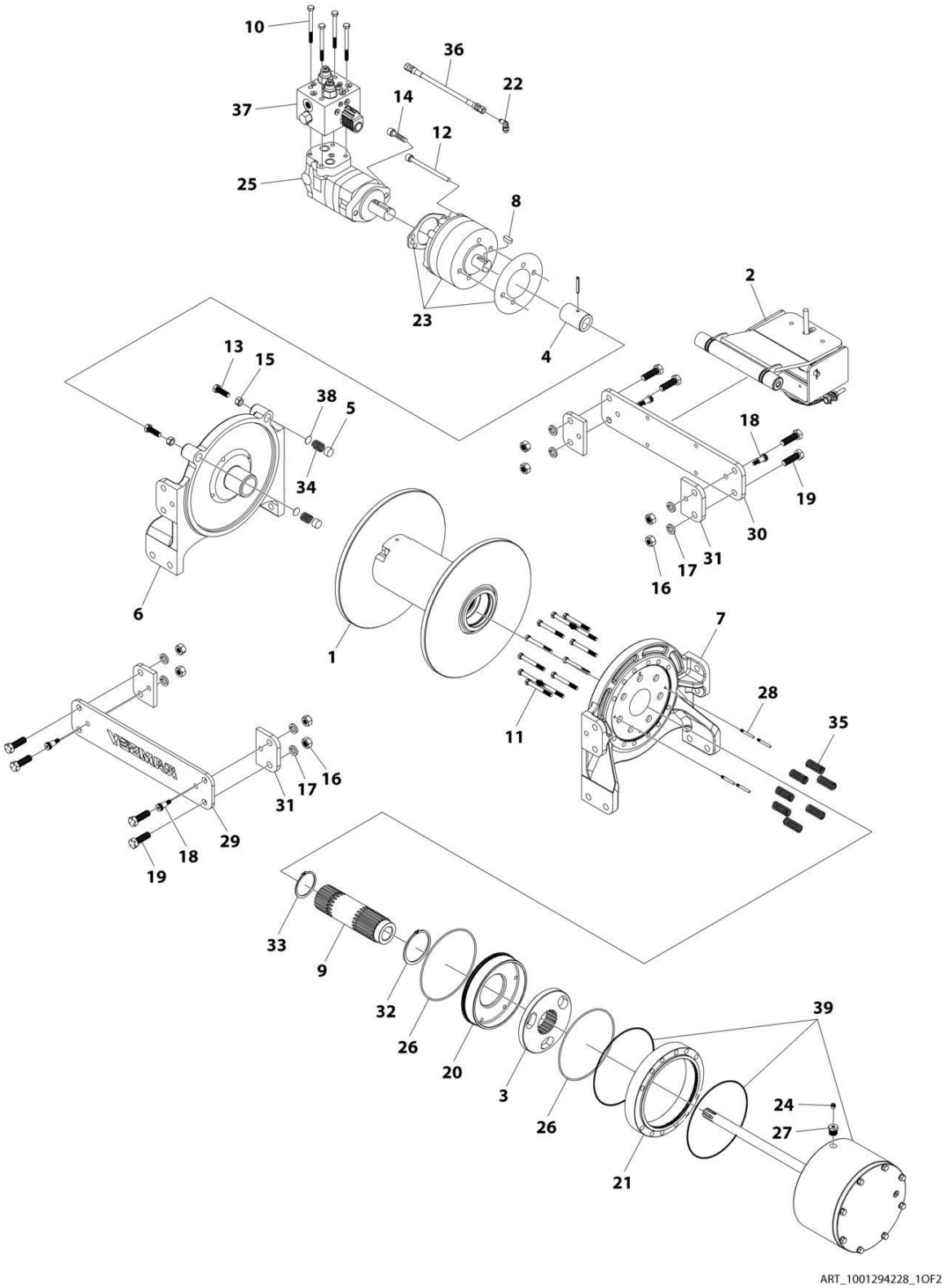

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ART_1001294227_2OF2

FIGURE 2-7. WINCH ASSEMBLY - 35,000 LBS (RAMSEY) - LH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294227	Ref	WINCH ASSEMBLY - 35,000 LBS	B
1	70070250	1	Drum Assembly (See Items 101-108)	
2	70053549	1	Tensioner Assembly (See Items 201-218)	
3	70070251	1	Clutch	
4	70070252	1	Coupling	
5	70070186	2	Puck, Drum Drag Freespool	
6	See Note	NSS	Housing (Note: Use PN 1001294227)	
7	See Note	NSS	Housing (Note: Use PN 1001294227)	
8	70050388	2	Key	
9	70070253	1	Coupling, Output	
10	7105163650	4	Bolt 3/8 x 4	
11	NPN	12	Bolt 1/2 x 3-1/2	
12	NPN	2	Bolt 1/2 x 2-1/2	
13	NPN	2	Capscrew 1/2 x 2-1/2	
14	9120960024	2	Capscrew 1/2 x 1-1/4	
15	9661960022	2	Nut 1/2	
16	NPN	8	Nut 5/8	
17	NPN	8	Washer 5/8	
18	9120960054	4	Bolt 1/2 x 1-1/4	
19	NPN	8	Bolt 5/8 x 2-3/4 Grade8	
20	70070254	1	Piston, Clutch	
21	70070255	1	Cylinder, Clutch	
22	9443960019	1	Fitting, 90	
23	70050351	1	Brake	
24	9970456008	1	Fitting	
25	70050352	1	Motor	
26	70070256	2	O-Ring	
27	70070257	2	Fitting, Straight	
28	70070196	4	Pin	
29	70070258	1	Plate	
30	70070259	1	Plate	
31	70070260	4	Spacer	
32	70070261	1	Ring, Retaining	
33	70070200	1	Ring, Retaining	
34	70070262	2	Spring	
35	70050357	7	Spring	
36	70070263	1	Hose	
37	70053548	1	Valve, Motor Control	
38	70070204	2	Spacer, Brake Disc	
39	70070264	1	Gear Box Assembly	
	70070250	Ref	DRUM ASSEMBLY	
101	See Note	NSS	Drum (Note: Use PN 70070250)	
102	70053551	1	Bushing	
103	70070265	1	Bushing	
104	70070266	1	Setscrew	
105	70053554	1	Ring, Quad	
106	70053555	1	Ring, Quad	
107	70053552	1	O-Ring	
108	70053553	1	O-Ring	
	70053549	Ref	CABLE TENSIONER	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
201	70053556	1	Lever, Arm	
202	9691960032	1	Pin	
203	70053535	1	Retainer	
204	70053299	2	Roller	
205	70053300	1	Roller	
206	70053557	1	Bracket	
207	70053538	2	Bushing	
208	70053301	2	Bushing	
209	70050364	2	Capscrew 3/8 x 1-1/4	
210	70050363	2	Nut 3/8	
211	9970418177	2	Washer 3/8	
212	70053302	2	Capscrew	
213	4691960030	2	Pin, Cotter	
214	70053539	1	Fitting, 90	
215	70053540	1	Cylinder, Air	
216	70053541	1	Fitting	
217	70053542	1	Spring	
218	70053303	2	Washer	

FIGURE 2-8. WINCH ASSEMBLY - 35,000 LBS (RAMSEY) - RH



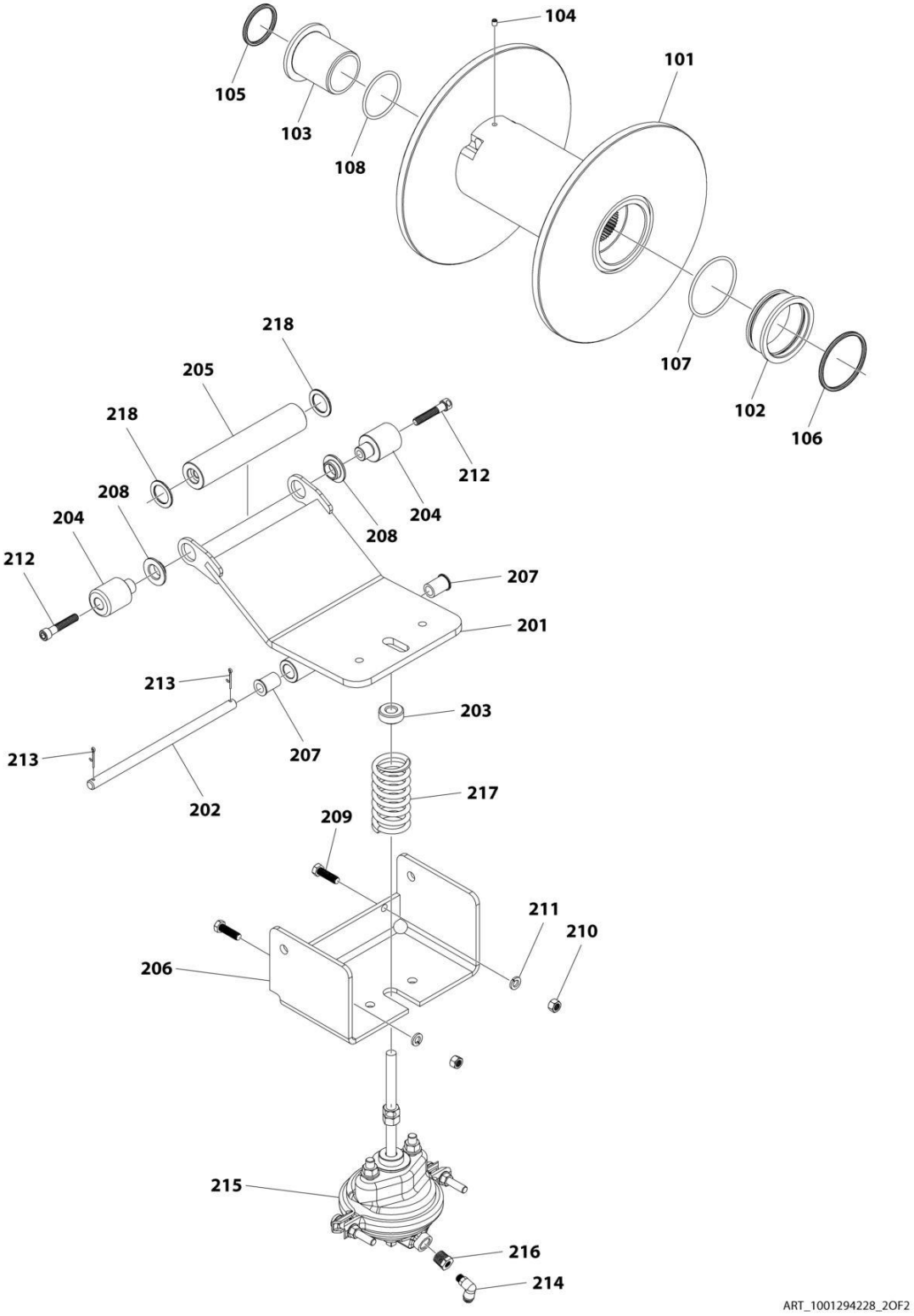

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ART_1001294228_2OF2

FIGURE 2-8. WINCH ASSEMBLY - 35,000 LBS (RAMSEY) - RH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294228	Ref	WINCH ASSEMBLY - 35,000 LBS	B
1	70070250	1	Drum Assembly (See Items 101-108)	
2	70053549	1	Tensioner Assembly (See Items 201-218)	
3	70070251	1	Clutch	
4	70070252	1	Coupling	
5	70070186	2	Puck, Drum Drag Freespool	
6	See Note	NSS	Housing (Note: Use PN 1001294228)	
7	See Note	NSS	Housing (Note: Use PN 1001294228)	
8	70050388	2	Key	
9	70070253	1	Coupling, Output	
10	7105163650	4	Bolt 3/8 x 4	
11	NPN	12	Bolt 1/2 x 3-1/2	
12	NPN	2	Bolt 1/2 x 2-1/2	
13	NPN	2	Capscrew 1/2 x 2-1/2	
14	9120960024	2	Capscrew 1/2 x 1-1/4	
15	9661960022	2	Nut 1/2	
16	NPN	8	Nut 5/8	
17	NPN	8	Washer 5/8	
18	9120960054	4	Bolt 1/2 x 1-1/4	
19	NPN	8	Bolt 5/8 x 2-3/4 Grade8	
20	70070254	1	Piston, Clutch	
21	70070255	1	Cylinder, Clutch	
22	9443960019	1	Fitting, 90	
23	70050351	1	Brake	
24	9970456008	1	Fitting	
25	70050352	1	Motor	
26	70070256	2	O-Ring	
27	70070257	2	Fitting, Straight	
28	70070196	4	Pin	
29	70070258	1	Plate	
30	70070259	1	Plate	
31	70070260	4	Spacer	
32	70070261	1	Ring, Retaining	
33	70070200	1	Ring, Retaining	
34	70070262	2	Spring	
35	70050357	7	Spring	
36	70070263	1	Hose	
37	70053548	1	Valve, Motor Control	
38	70070204	2	Spacer, Brake Disc	
39	70070264	1	Gear Box Assembly	
	70070250	Ref	DRUM ASSEMBLY	
101	See Note	NSS	Drum (Note: Use PN 70070250)	
102	70053551	1	Bushing	
103	70070265	1	Bushing	
104	70070266	1	Setscrew	
105	70053554	1	Ring, Quad	
106	70053555	1	Ring, Quad	
107	70053552	1	O-Ring	
108	70053553	1	O-Ring	
	70053549	Ref	CABLE TENSIONER	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
201	70053556	1	Lever, Arm	
202	9691960032	1	Pin	
203	70053535	1	Retainer	
204	70053299	2	Roller	
205	70053300	1	Roller	
206	70053557	1	Bracket	
207	70053538	2	Bushing	
208	70053301	2	Bushing	
209	70050364	2	Capscrew 3/8 x 1-1/4	
210	70050363	2	Nut 3/8	
211	9970418177	2	Washer 3/8	
212	70053302	2	Capscrew	
213	4691960030	2	Pin, Cotter	
214	70053539	1	Fitting, 90	
215	70053540	1	Cylinder, Air	
216	70053541	1	Fitting	
217	70053542	1	Spring	
218	70053303	2	Washer	

FIGURE 2-9. WINCH INSTALLATION - DP

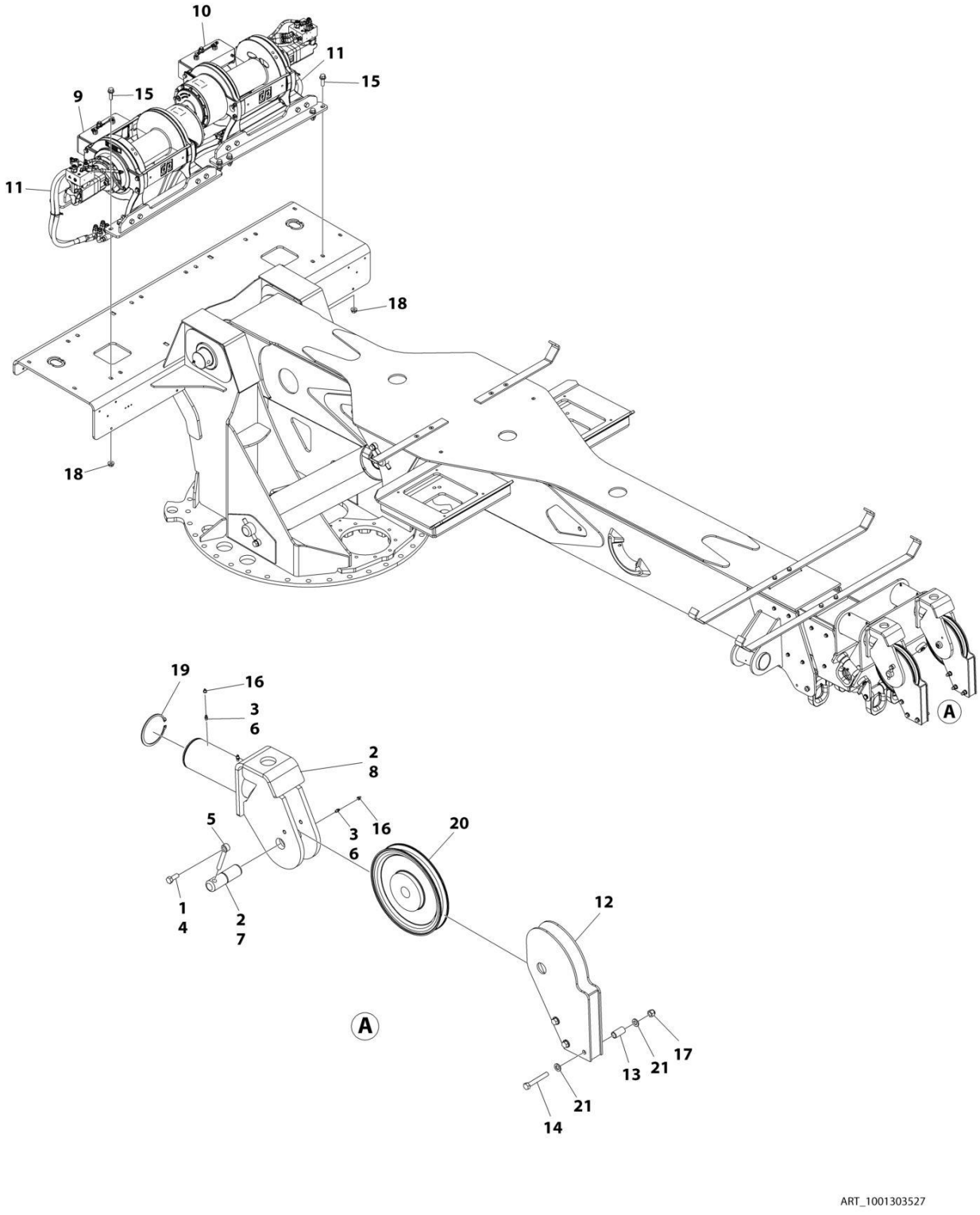
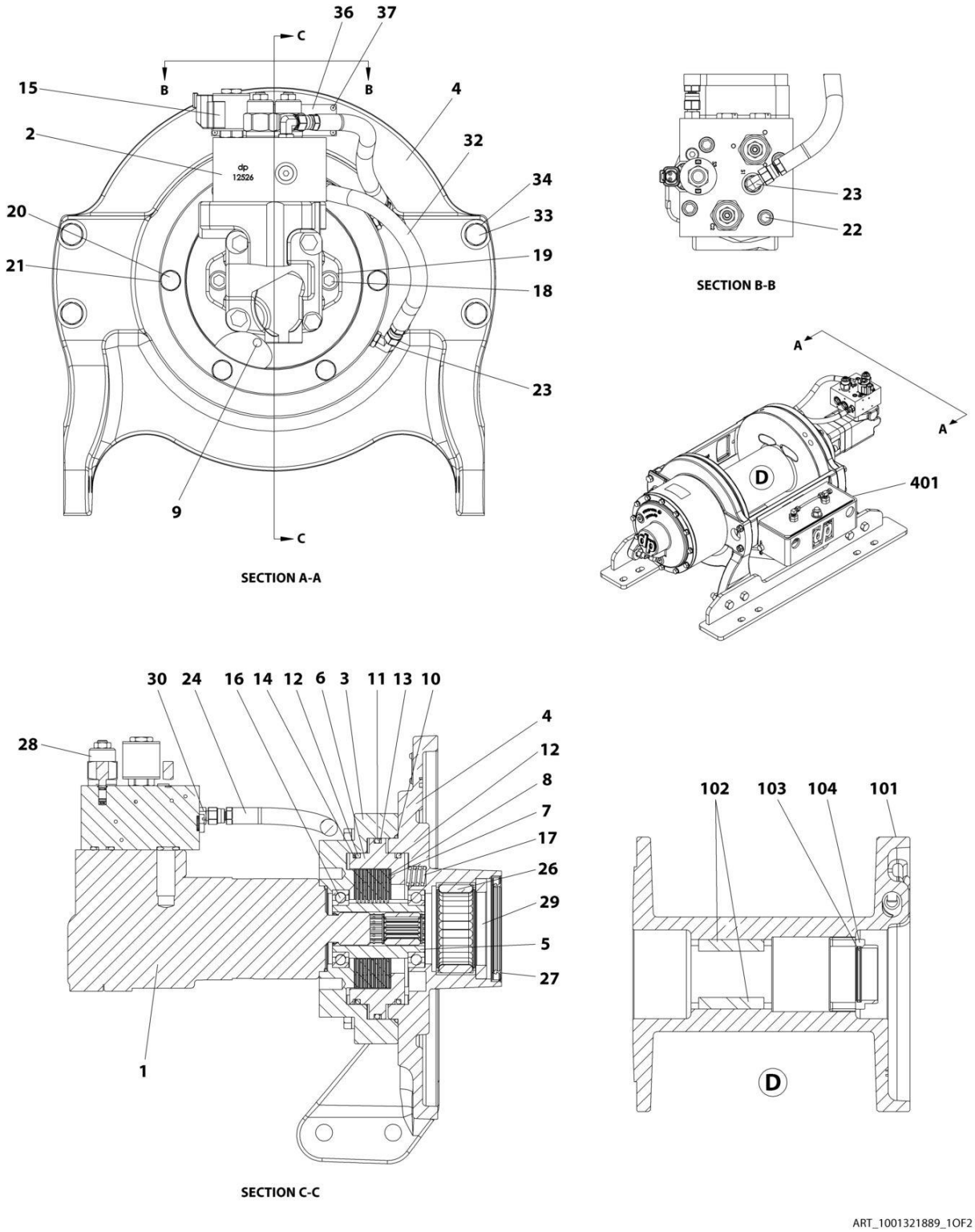


FIGURE 2-9. WINCH INSTALLATION - DP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303527	Ref	WINCH INSTALLATION - DP	A
1	0100011	AR	Compound locking	
2	3020039	AR	Lubricant	
3	1001152707	AR	Lubricant	
4	0641810	2	Bolt 1/2 x 1-1/4	
5	3841203	2	Keeper, Pin	
6	88671008	6	Fitting, Grease	
7	1001169893	2	Pin	
8	1001296165	2	Mount	
9	1001321889	1	DP Winch 35,000 lbs - LH (See Separate Breakdown in this Section)	
10	1001321890	1	DP Winch 35,000 lbs - RH (See Separate Breakdown in this Section)	
11	1001321961	1	Hydraulic Winch Installation - DP (See Separate Breakdown in HYDRAULIC Section)	
12	3249000035	2	Cable Guide	
13	4831000104	6	Spacer	
14	7115182850	6	Bolt 1/2 x 3-1/2	
15	7118201616	16	Capscew 5/8 x 2	
16	7253000002	6	Cap, Grease Fitting	
17	7660182601	6	Nut 1/2	
18	7661000018	16	Nut 5/8	
19	7754000059	2	Ring	
20	7809000004	2	Sheave	
21	7950180153	12	Washer 1/2	

FIGURE 2-10. DP WINCH 35,000 LBS - LH



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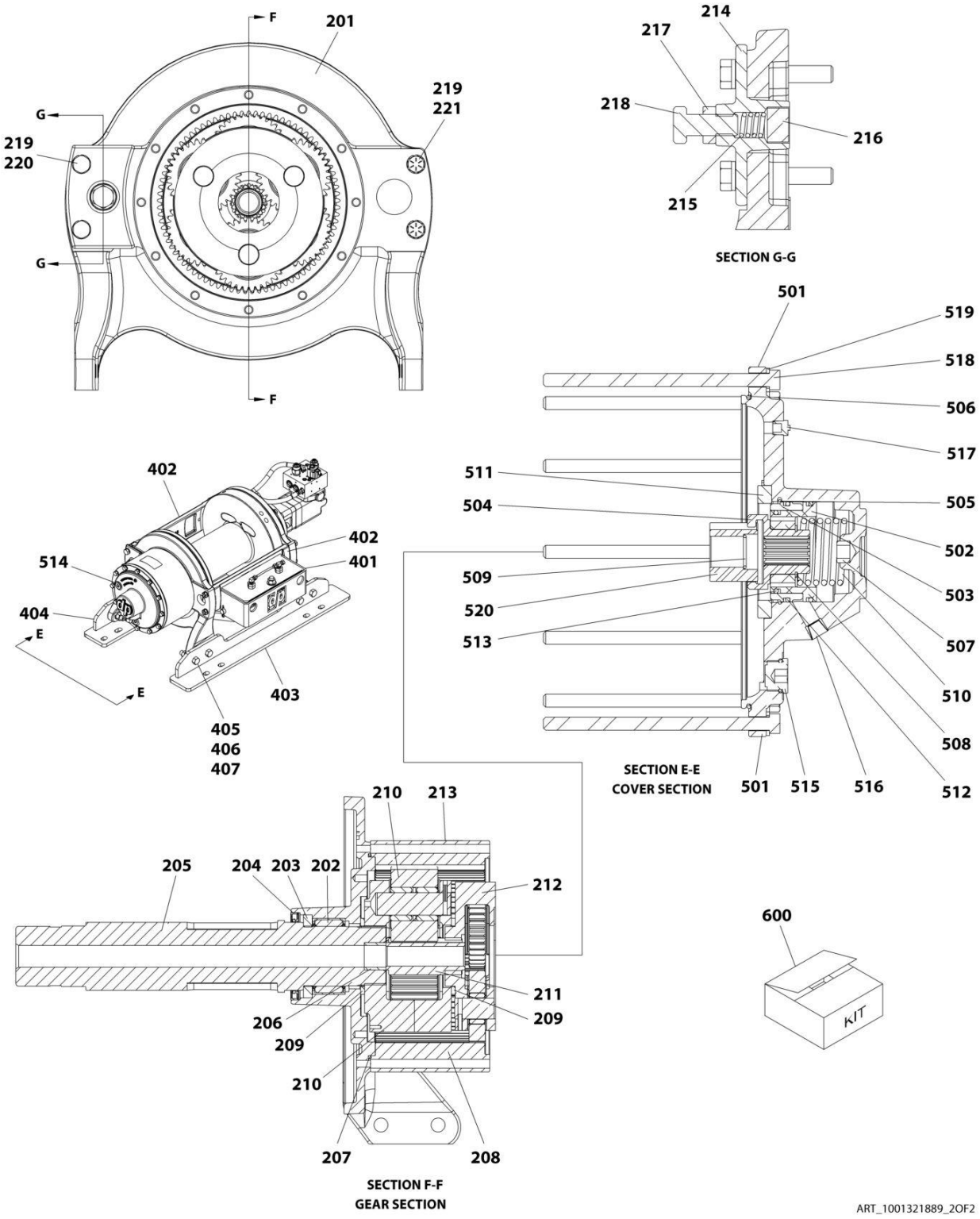
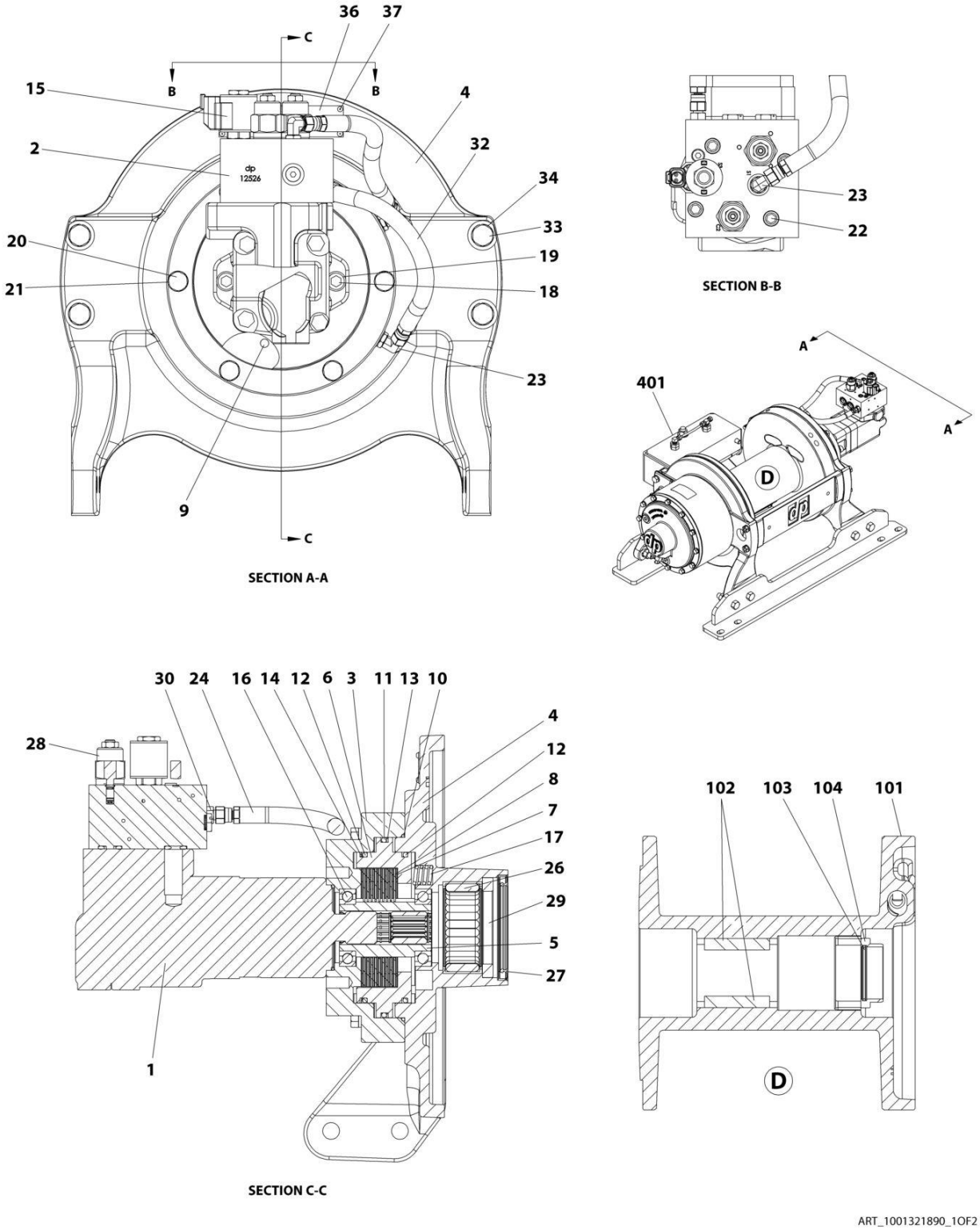

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SECTION F-F
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FIGURE 2-10. DP WINCH 35,000 LBS - LH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001321889	Ref	WINCH ASSEMBLY	A
		Ref	MOTOR END INSTALLATION	
1	70050399	1	Motor	
2	70050368	1	Valve, Cartridge	
3	9571960006	1	Housing, Brake (Outer)	
4	See Note	NSS	Support, Motor End (Note: Use PN 1001321889)	
5	9806960019	1	Shaft, Brake	
6	9698960008	1	Piston, Brake	
7	9706960023	10	Plate, Disc Friction	
8	9706960025	9	Plate, Drive Brake	
9	9691960021	2	Pin	
10	70051307	1	O-Ring	
11	70070267	1	O-Ring	
12	70070268	2	O-Ring	
13	70051306	1	Ring, Backup	
14	70051305	1	Ring, Backup	
15	70050371	1	Valve, Cartridge	
16	9082960013	2	Bearing	
17	9843960024	12	Spring	
18	70070269	2	Capscrew 1/2 x 1-1/2	
19	7950180800	2	Washer 1/2	
20	7118172050	6	Bolt 7/16 x 2-1/2	
21	NPN	6	Washer 7/16	
22	70050370	4	Capscrew 3/8 x 2-1/2	
23	70070270	3	Fitting, 90 O-Ring x MJIC	
24	70051309	1	Hose	
25	70050401	1	Tag, Warning & Circuit	
26	9082960018	1	Bearing	
27	9796960121	1	Seal	
28	9935960026	2	Valve, Cartridge	
29	9949960028	1	Thrust Washer	
30	9443960006	1	Fitting, Straight O-Ring x MJIC	
31	9796960090	1	O-Ring	
32	70050372	1	Hose	
33	NPN	4	Capscrew 1/2 x 2-1/2	
34	7950180000	4	Washer 1/2	
36	70050148	1	Tag, Identification	
37	70070271	4	Screw	
		Ref	DRUM INSTALLATION	
101	See Note	NSS	Drum (Note: Use PN 1001321889)	
102	9575960012	2	Key	
103	9796960089	1	O-Ring	
104	9831960018	1	Spacer, Drum	
105	NPN	4	Setscrew 1/2 x 1 (Not Shown)	
		Ref	BASE MOUNT INSTALLATION	
201	See Note	1	Support, Gear End (Note: Use PN 1001321889)	
202	9082960018	1	Bearing	
203	9949960028	1	Thrust Washer	
204	9796960121	1	Seal	
205	70070272	1	Shaft, Output	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
206	9209960025	1	Bushing	
207	9796960120	1	O-Ring	
208	70070273	1	Ring, Gear	
209	9949960027	2	Thrust Washer	
210	70070275	1	Carrier Assembly	
211	9472960055	1	Gear, Sun	
212	70070276	1	Planetary Carrier Assembly	
213	9330960006	1	Decal, Warning	
214	70070277	1	Brake, Drag	
215	9843960024	1	Spring	
216	70070274	1	Pad, Brake (Drag Brake/Drum)	
217	NPN	1	Nut 5/8	
218	NPN	1	Bolt 5/8 x 1-1/2	
219	7950180000	4	Washer 1/2	
220	NPN	2	Bolt 1/2 x 3	
221	NPN	2	Bolt 1/2 x 2-1/2	
		Ref	INPUT SHAFT INSTALLATION	
301	9806960020	1	Shaft, Input (Not Shown)	
		Ref	BASE MOUNT INSTALLATION #1	
401	70050398	1	Kit, Cable Tensioner	
402	NPN	2	Plate	
403	1001320767	1	Mount, Front	
404	1001320769	1	Mount, Rear	
405	NPN	8	Bolt 5/8 x 2-3/4	
406	NPN	8	Washer 5/8	
407	NPN	8	Nut 5/8	
		Ref	BASE MOUNT INSTALLATION #2	
501	9314960022	1	Cover	
502	9698960016	1	Piston	
503	9698960015	1	Cylinder	
504	9309960011	1	Coupling	
505	9754960026	1	Ring, Retaining	
506	9796960120	1	O-Ring	
507	9209960026	1	Bushing	
508	9754960046	1	Ring, Retaining	
509	9754960047	1	Ring, Retaining	
510	9843960032	1	Spring	
511	9949960028	1	Thrust Washer	
512	9796960119	2	O-Ring	
513	9796960118	1	O-Ring	
514	9701960011	1	Plug	
515	9701960012	1	Plug	
516	9701960018	1	Plug 1/4	
517	9183960001	1	Vent, Relief	
518	NPN	12	Bolt 3/8 x 6-1/2	
519	86974034	12	Washer 3/8	
520	9472960054	1	Gear	
600	9577960270	1	Kit, Seal - 1001321889 Winch (Includes internal winch seals and seals between brake & motor. Does not include internal motor seals.)	

FIGURE 2-11. DP WINCH 35,000 LBS - RH



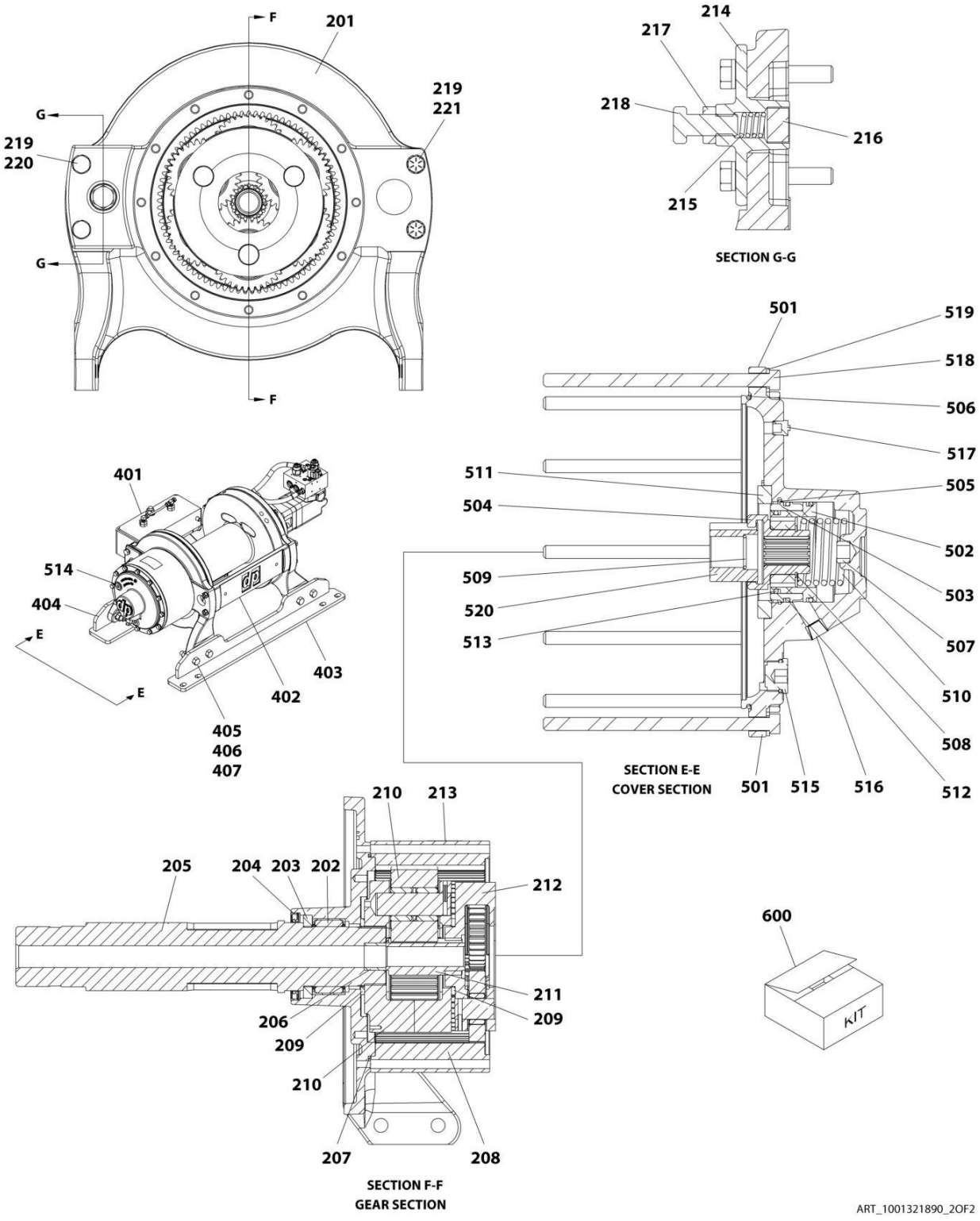

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FIGURE 2-11. DP WINCH 35,000 LBS - RH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001321890	Ref	WINCH ASSEMBLY	B
		Ref	MOTOR END INSTALLATION	
1	70050399	1	Motor	
2	70050368	1	Valve, Cartridge	
3	9571960006	1	Housing, Brake (Outer)	
4	See Note	NSS	Support, Motor End (Note: Use PN 1001321889)	
5	9806960019	1	Shaft, Brake	
6	9698960008	1	Piston, Brake	
7	9706960023	10	Plate, Disc Friction	
8	9706960025	9	Plate, Drive Brake	
9	9691960021	2	Pin	
10	70051307	1	O-Ring	
11	70070267	1	O-Ring	
12	70070268	2	O-Ring	
13	70051306	1	Ring, Backup	
14	70051305	1	Ring, Backup	
15	70050371	1	Valve, Cartridge	
16	9082960013	2	Bearing	
17	9843960024	12	Spring	
18	70070269	2	Capscrew 1/2 x 1-1/2	
19	7950180800	2	Washer 1/2	
20	7118172050	6	Bolt 7/16 x 2-1/2	
21	NPN	6	Washer 7/16	
22	70050370	4	Capscrew 3/8 x 2-1/2	
23	70070270	3	Fitting, 90 O-Ring x MJIC	
24	70051309	1	Hose	
25	70050401	1	Tag, Warning & Circuit	
26	9082960018	1	Bearing	
27	9796960121	1	Seal	
28	9935960026	2	Valve, Cartridge	
29	9949960028	1	Thrust Washer	
30	9443960006	1	Fitting, Straight O-Ring x MJIC	
31	9796960090	1	O-Ring	
32	70050372	1	Hose	
33	NPN	4	Capscrew 1/2 x 2-1/2	
34	7950180000	4	Washer 1/2	
36	70050148	1	Tag, Identification	
37	70070271	4	Screw	
		Ref	DRUM INSTALLATION	
101	See Note	NSS	Drum (Note: Use PN 1001321889)	
102	9575960012	2	Key	
103	9796960089	1	O-Ring	
104	9831960018	1	Spacer, Drum	
105	NPN	4	Setscrew 1/2 x 1 (Not Shown)	
		Ref	BASE MOUNT INSTALLATION	
201	See Note	1	Support, Gear End (Note: Use PN 1001321889)	
202	9082960018	1	Bearing	
203	9949960028	1	Thrust Washer	
204	9796960121	1	Seal	
205	70070272	1	Shaft, Output	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
206	9209960025	1	Bushing	
207	9796960120	1	O-Ring	
208	70070273	1	Ring, Gear	
209	9949960027	2	Thrust Washer	
210	70070275	1	Carrier Assembly	
211	9472960055	1	Gear, Sun	
212	70070276	1	Planetary Carrier Assembly	
213	9330960006	1	Decal, Warning	
214	70070277	1	Brake, Drag	
215	9843960024	1	Spring	
216	70070274	1	Pad, Brake (Drag Brake/Drum)	
217	NPN	1	Nut 5/8	
218	NPN	1	Bolt 5/8 x 1-1/2	
219	7950180000	4	Washer 1/2	
220	NPN	2	Bolt 1/2 x 3	
221	NPN	2	Bolt 1/2 x 2-1/2	
		Ref	INPUT SHAFT INSTALLATION	
301	9806960020	1	Shaft, Input (Not Shown)	
		Ref	BASE MOUNT INSTALLATION #1	
401	70050398	1	Kit, Cable Tensioner	
402	NPN	2	Plate	
403	1001320768	1	Mount, Front	
404	1001320770	1	Mount, Rear	
405	NPN	8	Bolt 5/8 x 2-3/4	
406	NPN	8	Washer 5/8	
407	NPN	8	Nut 5/8	
		Ref	BASE MOUNT INSTALLATION #2	
501	9314960022	1	Cover	
502	9698960016	1	Piston	
503	9698960015	1	Cylinder	
504	9309960011	1	Coupling	
505	9754960026	1	Ring, Retaining	
506	9796960120	1	O-Ring	
507	9209960026	1	Bushing	
508	9754960046	1	Ring, Retaining	
509	9754960047	1	Ring, Retaining	
510	9843960032	1	Spring	
511	9949960028	1	Thrust Washer	
512	9796960119	2	O-Ring	
513	9796960118	1	O-Ring	
514	9701960011	1	Plug	
515	9701960012	1	Plug	
516	9701960018	1	Plug 1/4	
517	9183960001	1	Vent, Relief	
518	NPN	12	Bolt 3/8 x 6-1/2	
519	86974034	12	Washer 3/8	
520	9472960054	1	Gear	
600	9577960270	1	Kit, Seal	

FIGURE 2-12. AUXILIARY WINCH INSTALLATION - RAMSEY

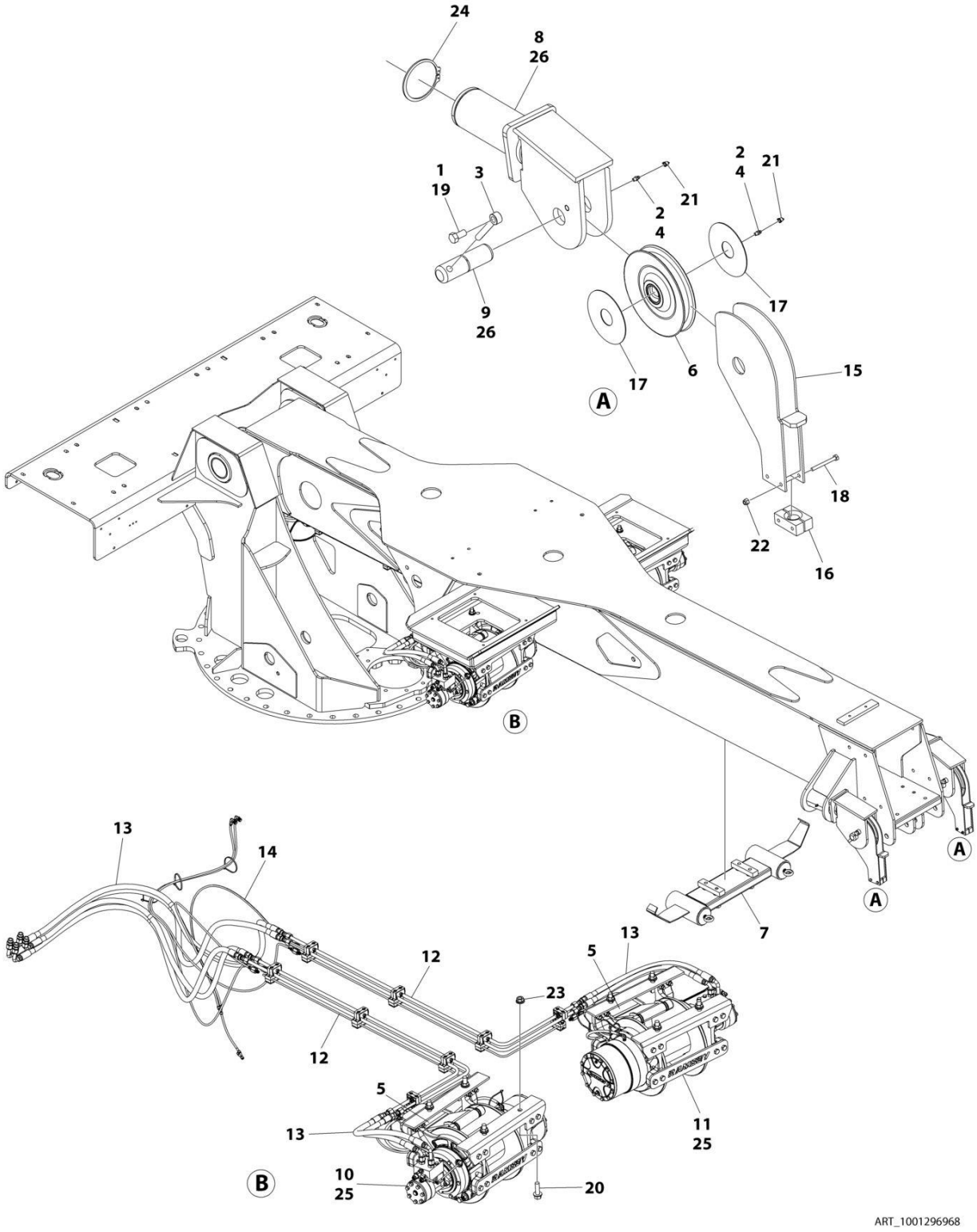
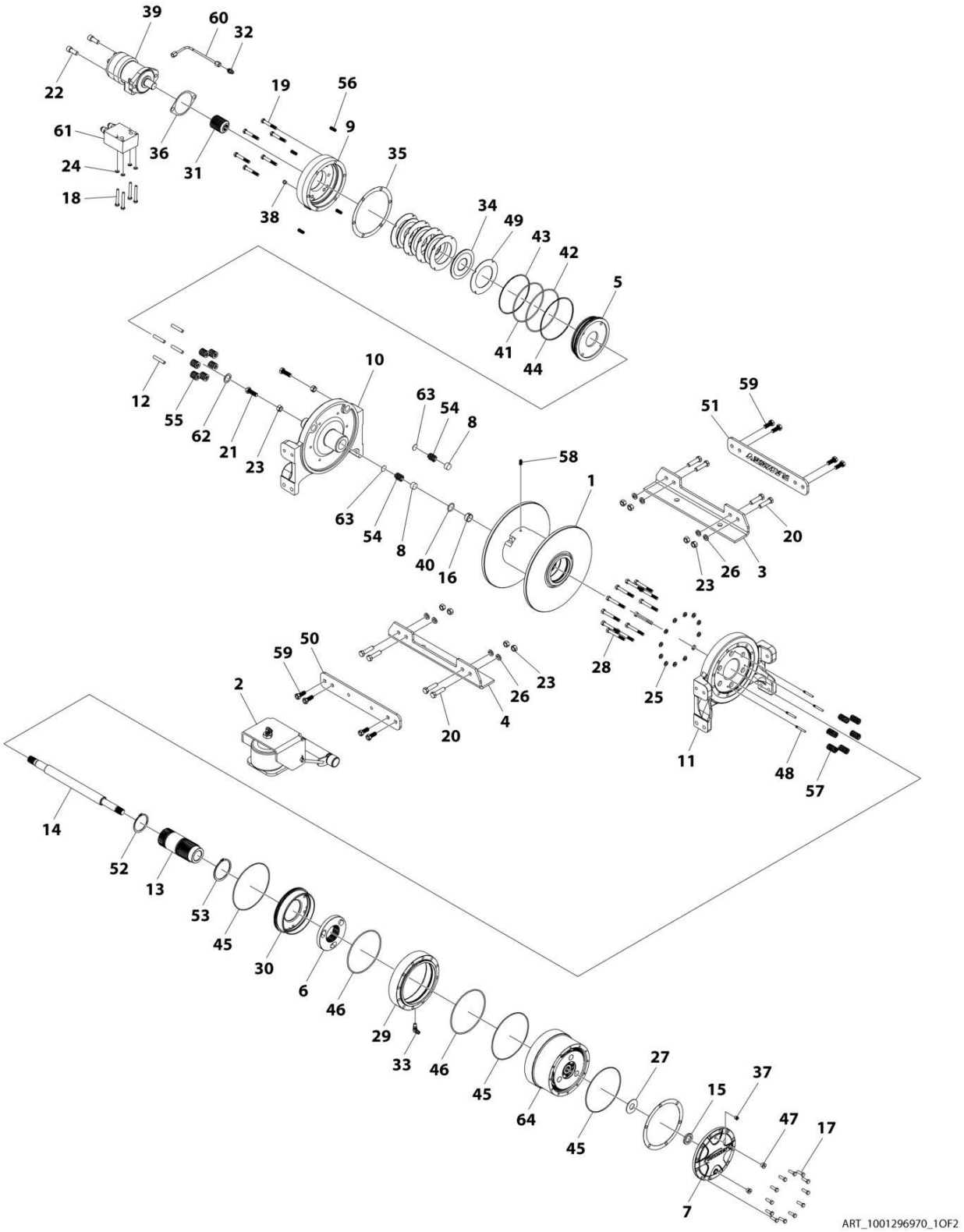
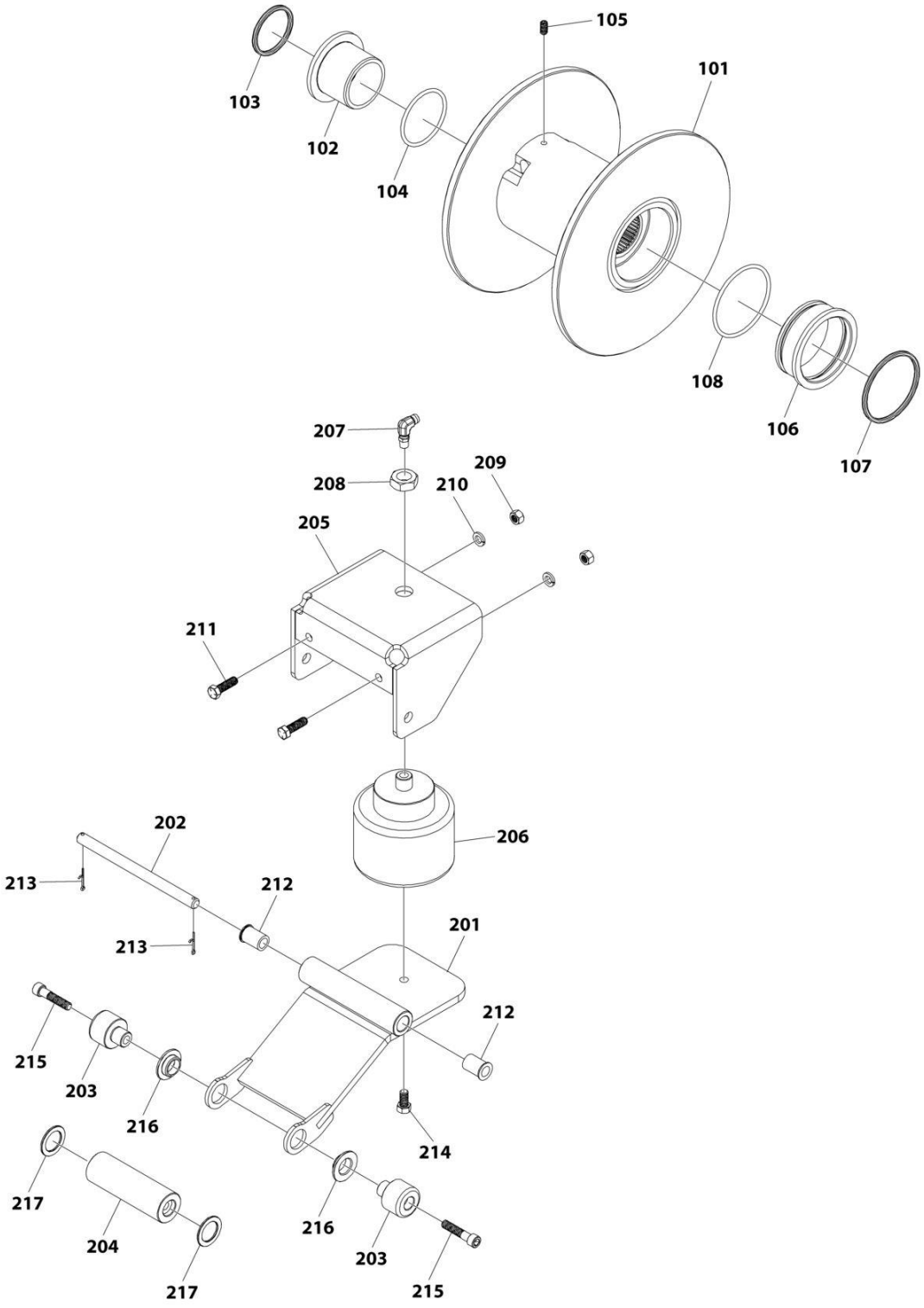


FIGURE 2-12. AUXILIARY WINCH INSTALLATION - RAMSEY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296968	Ref	AUXILIARY WINCH INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	1001152707	AR	Lubricant	
3	3841203	2	Keeper, Rod	
4	88671008	4	Fitting, Grease	
5	1001142812	2	Decal, Pinch Hazard	
6	1001323192	2	Sheave	
7	1001158828	1	Auxiliary Winch Cable Tie-Back Installation (See Separate Breakdown in this Section)	
8	1001169617	2	Support, Sheave	
9	1001169893	2	Pin	
10	1001296970	1	Ramsey Aux Winch 15,000 lbs - LH (See Separate Breakdown in this Section)	
11	1001296971	1	Ramsey Aux Winch 15,000 lbs - RH (See Separate Breakdown in this Section)	
12	1001303455	1	Aux Winch Steel Tubes Installation (See Separate Breakdown in HYDRAULIC Section)	
13	1001304282	1	Hose Installation - Auxiliary Winch (See Separate Breakdown in HYDRAULIC Section)	
14	1001308910	1	Dual Winch Air Installation (See Separate Breakdown in HYDRAULIC Section)	
15	3249000012	2	Guide, Cable	
16	4249000001	4	Guide, Cable	
17	4949000045	4	Washer	
18	7115142050	4	Bolt 1/4 x 2-1/2	
19	7115180850	2	Bolt 1/2 x 1	
20	7118201616	8	Bolt 5/8 x 2	
21	7253000002	4	Cap, Grease	
22	7660142604	4	Nut 1/4	
23	7661000018	8	Nut 5/8	
24	7754000049	2	Ring, Retaining	
25	0100020	AR	Sealant, Pipe	
26	3020039	AR	Lubricant	

FIGURE 2-13. WINCH ASSEMBLY - AUX -15,000 LBS (RAMSEY) - LH





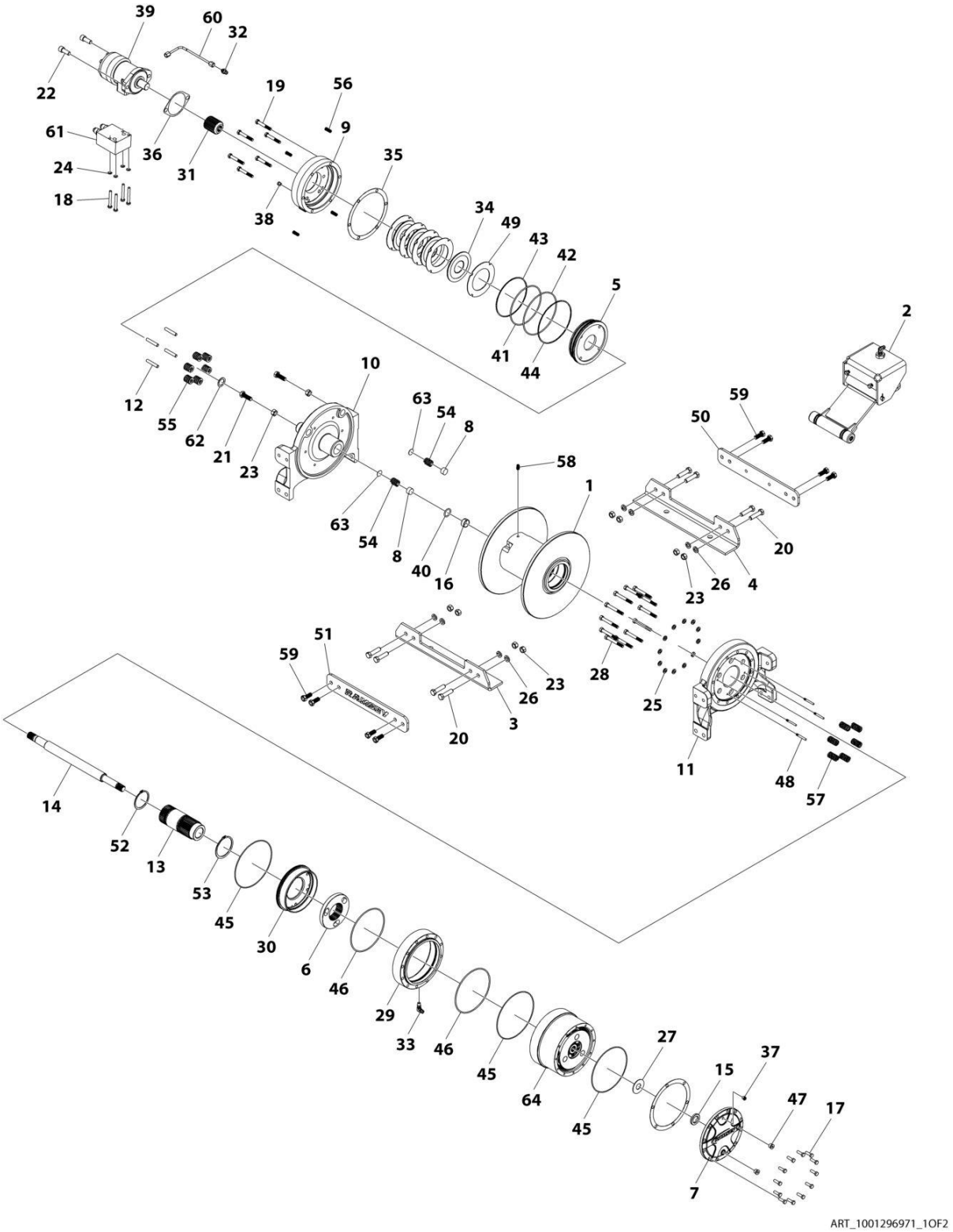
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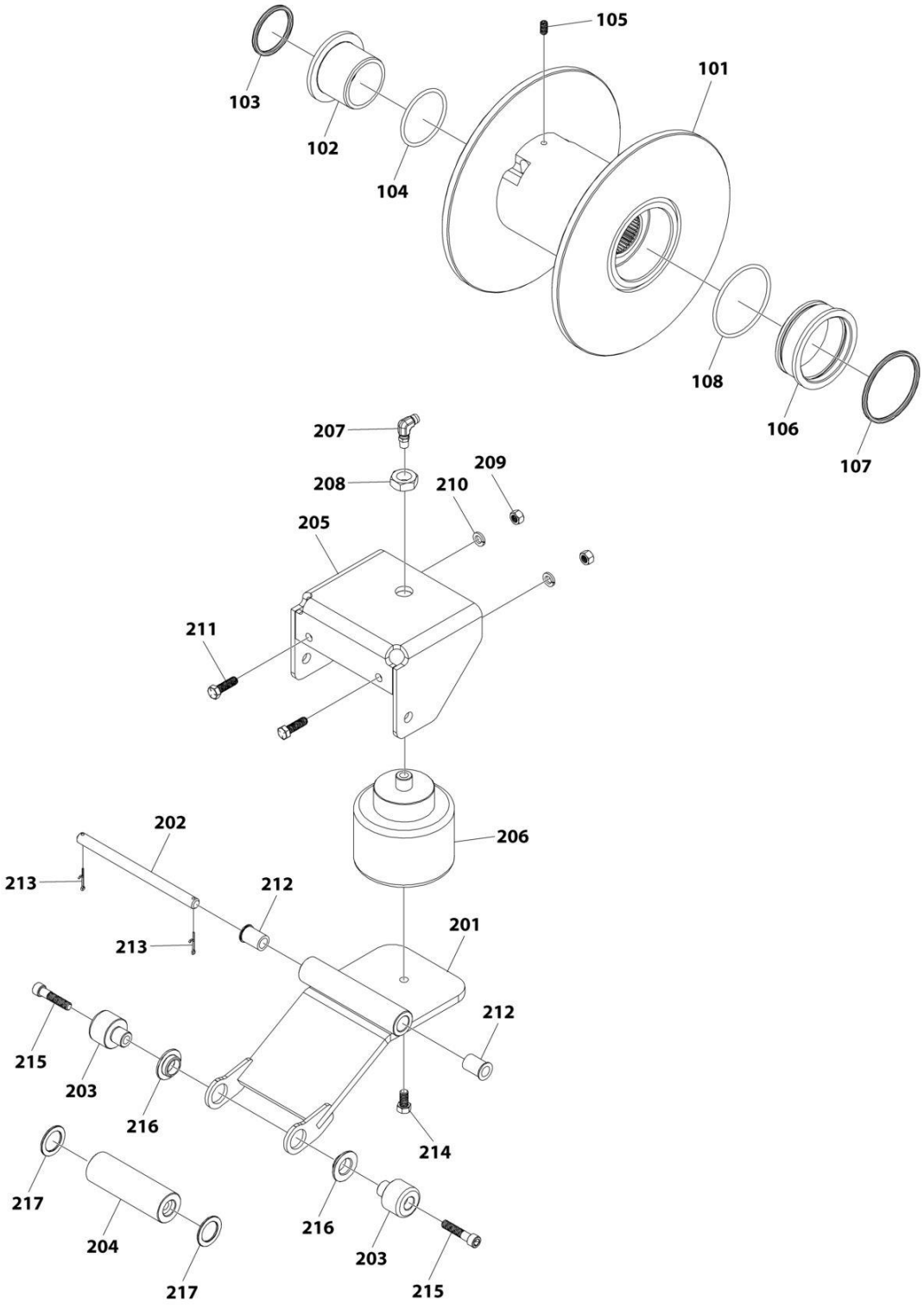
FIGURE 2-13. WINCH ASSEMBLY - AUX -15,000 LBS (RAMSEY) - LH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296970	Ref	WINCH ASSEMBLY - 15,000 LBS	B
1	77104225	1	Drum Assembly (See Items 101-108)	
2	70070278	1	Tensioner Assembly (See Items 201-217)	
3	See Note	NSS	Angle (Note: Use PN 1001296970)	
4	See Note	NSS	Angle (Note: Use PN 1001296970)	
5	70070279	1	Piston, Brake	
6	70070280	1	Clutch	
7	70070281	1	Cover, Gear Box	
8	70070186	2	Puck, Drum Drag	
9	70070282	1	Housing, Brake	
10	See Note	NSS	Housing, Motor End (Note: Use PN 1001296970)	
11	See Note	NSS	Housing, Gear End (Note: Use PN 1001296970)	
12	70070283	4	Pin,Brake	
13	70070284	1	Coupling, Output	
14	70070285	1	Space, Input	
15	70070286	1	Space, Cover	
16	70070287	1	Bearing	
17	NPN	12	Bolt 5/16 x 1	
18	70050619	4	Bolt 5/16 x 2-1/2	
19	NPN	6	Bolt 3/8 x 2-1/2	
20	NPN	8	Bolt 1/2 x 2 GR8	
21	NPN	2	Bolt 1/8 x 1-1/2	
22	9120960024	2	Capscrew 1/2 x 1-1/4	
23	NPN	10	Nut 1/2	
24	NPN	4	Washer 5/16	
25	9970418177	12	Washer 3/8	
26	NPN	8	Washer 1/2	
27	NPN	1	Washer	
28	NPN	12	Bolt 3/8 x 3 GR8	
29	70070288	1	Cylinder, Clutch	
30	70070289	1	Piston, Clutch	
31	70070290	1	Coupling, Motor	
32	9443960010	1	Fitting, 90	
33	70053539	1	Fitting	
34	70070291	4	Disc, Brake	
35	70070292	1	Gasket, Brake Housing	
36	70050458	1	Gasket, Motor Flange	
37	9970456008	1	Fitting, Relief	
38	70070293	1	Fitting, Vent	
39	70070294	1	Motor Assembly	
40	70070295	1	O-Ring	
41	70070296	1	O-Ring	
42	70070297	1	O-Ring	
43	70070298	1	Ring, Back-Up	
44	70070299	1	Ring, Back-Up	
45	70053544	3	O-Ring	
46	70053545	2	O-Ring	
47	70070300	2	Plug 9/16	
48	70070196	4	Pin	
49	70070301	5	Separator	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70070302	1	Plate	
51	70070303	1	Plate	
52	70053546	1	Ring, Retaining	
53	70053547	1	Ring, Retaining	
54	70070262	2	Spring	
55	70070305	6	Spring, Brake	
56	70070306	4	Spring	
57	70050357	6	Spring	
58	NPN	1	Setscrew 3/8 x 3/4	
59	NPN	8	Bolt 1/2 x 1-1/4 GR8	
60	70070307	1	Tube	
61	70070308	1	Valve, Counterbalance	
62	NPN	1	Thrust Washer	
63	70070204	2	Space, Brake Disc	
64	70070309	1	Gear Box Assembly	
	77104225	Ref	DRUM ASSEMBLY	
101	See Note	NSS	Drum (Note: Use PN 77104225)	
102	70070265	1	Bushing (Motor End)	
103	70053554	1	Ring	
104	70053553	1	O-Ring	
105	70070311	1	Setscrew 3/8 x 3/4	
106	70053551	1	Bushing (Gear End)	
107	70053555	1	Ring	
108	70053552	1	O-Ring	
	70070278	Ref	TENSIONER ASSEMBLY	
201	70070312	1	Lever	
202	70070313	1	Pin	
203	70070314	2	Roller (Short)	
204	70070315	1	Roller (Long)	
205	70070316	1	Bracket	
206	70050361	1	Spring	
207	70053539	1	Fitting	
208	70050365	1	Nut 3/4	
209	70050363	2	Nut 3/8	
210	9970418177	2	Washer 3/8	
211	70050364	2	Bolt 3/8 x 1-1/4	
212	70053538	2	Bushing	
213	4691960030	2	Pin, Cotter 1/8 x 1	
214	9120960042	1	Bolt 3/8 x 3/4	
215	NPN	2	Capscrew 3/8 x 1-3/4	
216	70053301	2	Bushing	
217	70053303	2	Thrust Washer	

FIGURE 2-14. WINCH ASSEMBLY - AUX -15,000 LBS (RAMSEY) - RH





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FIGURE 2-14. WINCH ASSEMBLY - AUX -15,000 LBS (RAMSEY) - RH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296971	Ref	WINCH ASSEMBLY - 15,000 LBS	B
1	77104225	1	Drum Assembly (See Items 101-108)	
2	70070278	1	Tensioner Assembly (See Items 201-217)	
3	See Note	NSS	Angle (Note: Use PN 1001296971)	
4	See Note	NSS	Angle (Note: Use PN 1001296971)	
5	70070279	1	Piston, Brake	
6	70070280	1	Clutch	
7	70070281	1	Cover, Gear Box	
8	70070186	2	Puck, Drum Drag	
9	70070282	1	Housing, Brake	
10	See Note	NSS	Housing, Motor End (Note: Use PN 1001296971)	
11	See Note	NSS	Housing, Gear End (Note: Use PN 1001296971)	
12	70070283	4	Pin,Brake	
13	70070284	1	Coupling, Output	
14	70070285	1	Space, Input	
15	70070286	1	Space, Cover	
16	70070287	1	Bearing	
17	NPN	12	Bolt 5/16 x 1	
18	70050619	4	Bolt 5/16 x 2-1/2	
19	NPN	6	Bolt 3/8 x 2-1/2	
20	NPN	8	Bolt 1/2 x 2 GR8	
21	NPN	2	Bolt 1/8 x 1-1/2	
22	9120960024	2	Capscrew 1/2 x 1-1/4	
23	NPN	10	Nut 1/2	
24	NPN	4	Washer 5/16	
25	9970418177	12	Washer 3/8	
26	NPN	8	Washer 1/2	
27	NPN	1	Washer	
28	NPN	12	Bolt 3/8 x 3 GR8	
29	70070288	1	Cylinder, Clutch	
30	70070289	1	Piston, Clutch	
31	70070290	1	Coupling, Motor	
32	9443960010	1	Fitting, 90	
33	70053539	1	Fitting	
34	70070291	4	Disc, Brake	
35	70070292	1	Gasket, Brake Housing	
36	70050458	1	Gasket, Motor Flange	
37	9970456008	1	Fitting, Relief	
38	70070293	1	Fitting, Vent	
39	70070294	1	Motor Assembly	
40	70070295	1	O-Ring	
41	70070296	1	O-Ring	
42	70070297	1	O-Ring	
43	70070298	1	Ring, Back-Up	
44	70070299	1	Ring, Back-Up	
45	70053544	3	O-Ring	
46	70053545	2	O-Ring	
47	70070300	2	Plug 9/16	
48	70070196	4	Pin	
49	70070301	5	Separator	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70070302	1	Plate	
51	70070303	1	Plate	
52	70053546	1	Ring, Retaining	
53	70053547	1	Ring, Retaining	
54	70070262	2	Spring	
55	70070305	6	Spring, Brake	
56	70070306	4	Spring	
57	70050357	6	Spring	
58	NPN	1	Setscrew 3/8 x 3/4	
59	NPN	8	Bolt 1/2 x 1-1/4 GR8	
60	70070307	1	Tube	
61	70070308	1	Valve, Counterbalance	
62	NPN	1	Thrust Washer	
63	70070204	2	Space, Brake Disc	
64	70070309	1	Gear Box Assembly	
	77104225	Ref	DRUM ASSEMBLY	
101	See Note	NSS	Drum (Note: Use PN 77104225)	
102	70070265	1	Bushing (Motor End)	
103	70053554	1	Ring	
104	70053553	1	O-Ring	
105	70070311	1	Setscrew 3/8 x 3/4	
106	70053551	1	Bushing (Gear End)	
107	70053555	1	Ring	
108	70053552	1	O-Ring	
	70070278	Ref	TENSIONER ASSEMBLY	
201	70070312	1	Lever	
202	70070313	1	Pin	
203	70070314	2	Roller (Short)	
204	70070315	1	Roller (Long)	
205	70070316	1	Bracket	
206	70050361	1	Spring	
207	70053539	1	Fitting	
208	70050365	1	Nut 3/4	
209	70050363	2	Nut 3/8	
210	9970418177	2	Washer 3/8	
211	70050364	2	Bolt 3/8 x 1-1/4	
212	70053538	2	Bushing	
213	4691960030	2	Pin, Cotter 1/8 x 1	
214	9120960042	1	Bolt 3/8 x 3/4	
215	NPN	2	Capscrew 3/8 x 1-3/4	
216	70053301	2	Bushing	
217	70053303	2	Thrust Washer	

FIGURE 2-15. AUXILIARY WINCH INSTALLATION - DP

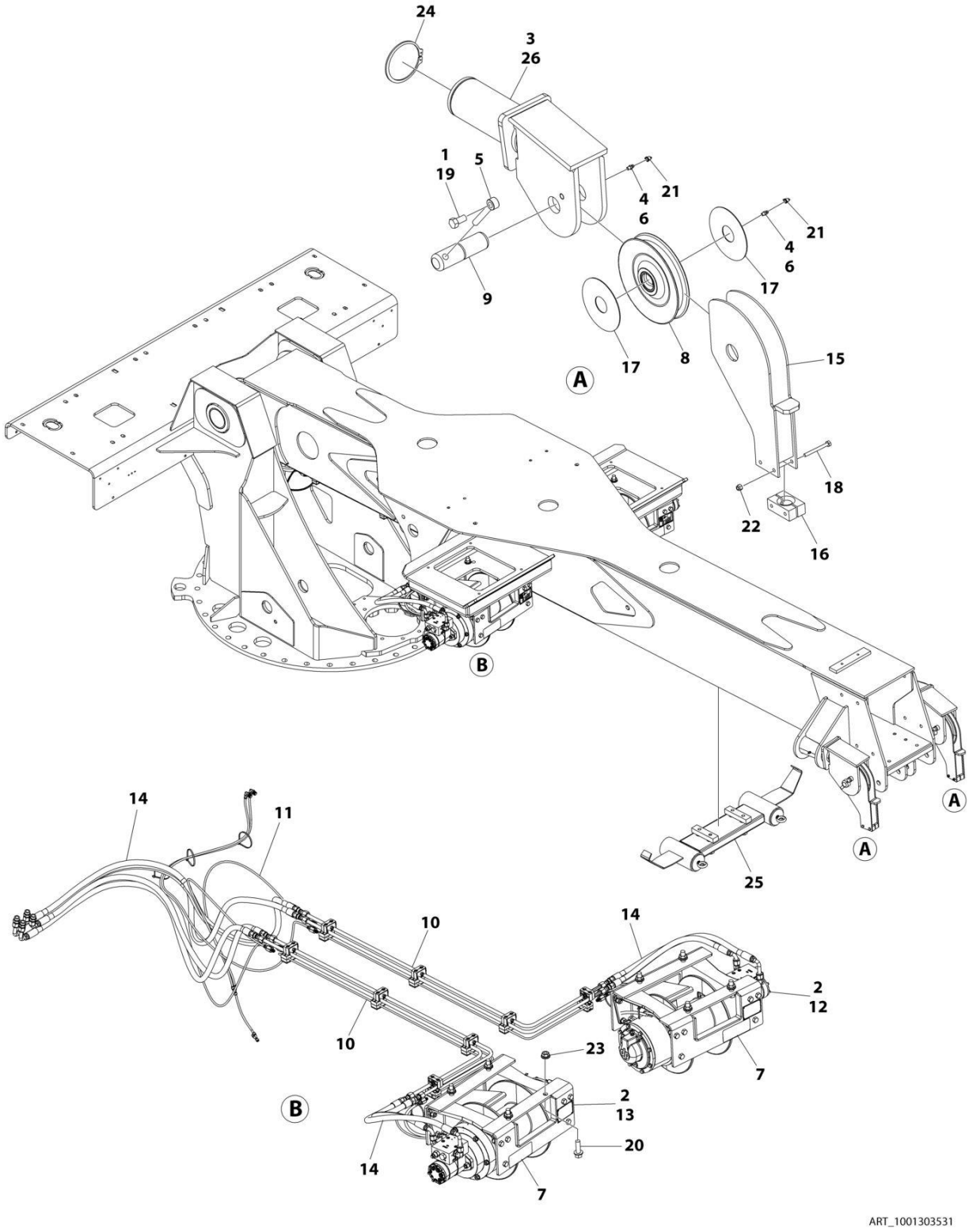
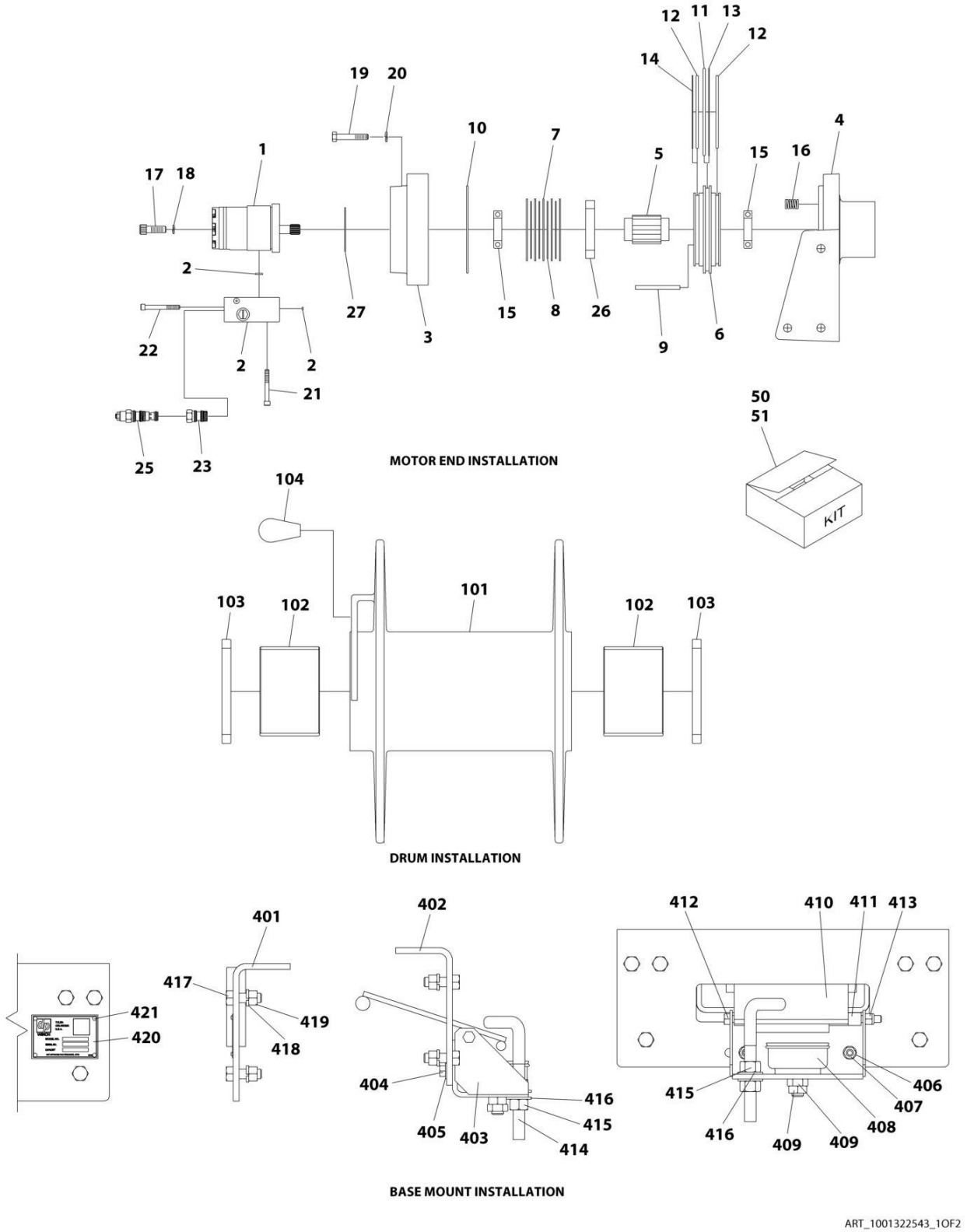
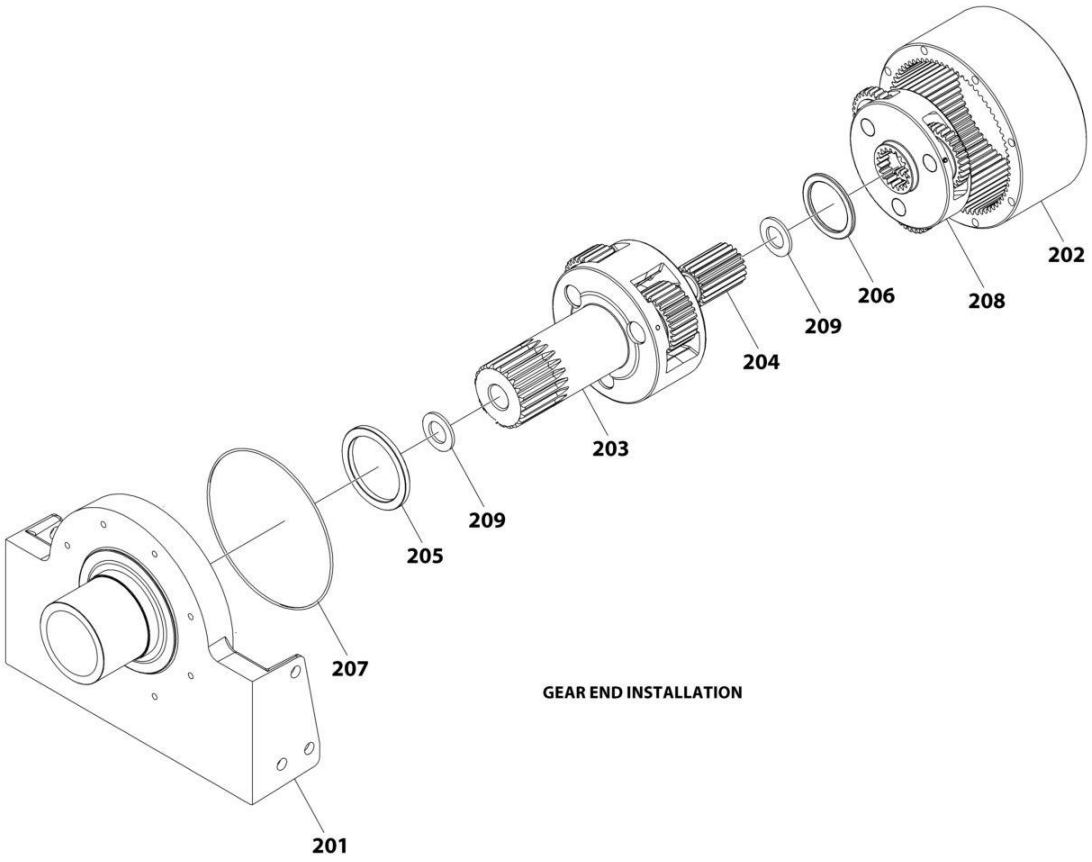


FIGURE 2-15. AUXILIARY WINCH INSTALLATION - DP

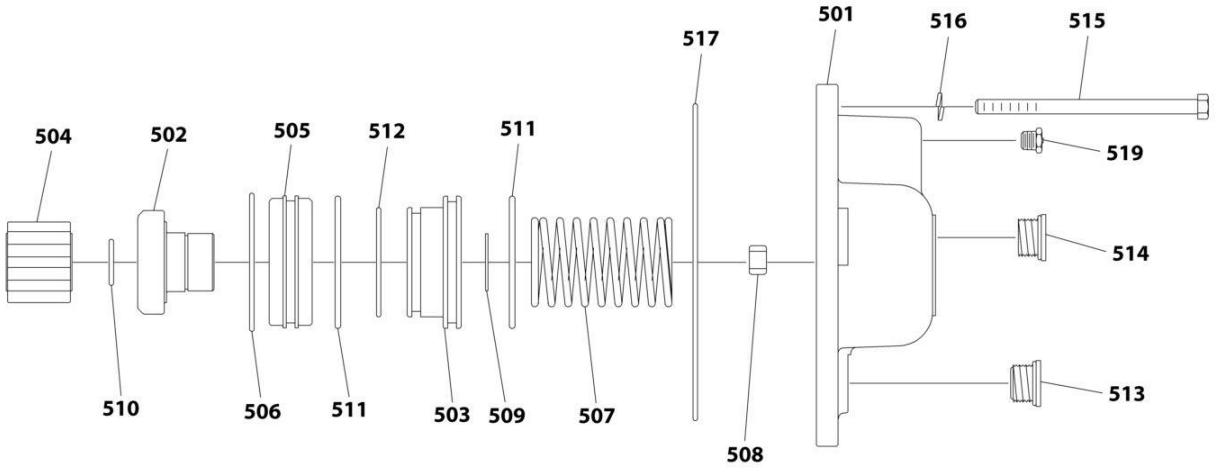
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303531	Ref	AUXILIARY WINCH INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	3020039	AR	Lubricant	
4	1001152707	AR	Lubricant	
5	3841203	2	Rod	
6	88671008	4	Grease Fitting	
7	1001142812	2	Decal	
8	1001323192	2	Sheave	
9	1001169893	2	Pin	
10	1001303455	1	Aux Winch Steel Tubes Installation (See Separate Breakdown in HYDRAULIC Section)	
11	1001308910	1	Dual Winch Air Installation (See Separate Breakdown in HYDRAULIC Section)	
12	1001322542	1	DP Winch 15,000 lbs - RH (See Separate Breakdown in this Section)	
13	1001322543	1	DP Winch 15,000 lbs - LH (See Separate Breakdown in this Section)	
14	1001324784	1	Hose Installation - Auxiliary Winch DP (See Separate Breakdown in HYDRAULIC Section)	
15	3249000012	2	Guide, Cable	
16	4249000001	4	Guide, Cable	
17	4949000045	4	Washer	
18	7115142050	4	Bolt 1/4 x 2-1/2	
19	7115180850	2	Bolt 1/2 x 1	
20	7118201616	8	Bolt 5/8 x 2	
21	7253000002	4	Cap, Grease	
22	7660142604	4	Nut 1/4	
23	7661000018	8	Nut 5/8	
24	7754000049	2	Ring, Retaining	
25	1001158828	1	Auxiliary Winch Cable Tie-Back Installation (See Separate Breakdown in this Section)	
26	1001169617	2	Support, Sheave	

FIGURE 2-16. WINCH ASSEMBLY - AUX -15,000 LBS (DP) - LH





GEAR END INSTALLATION



GEAR END COVER INSTALLATION

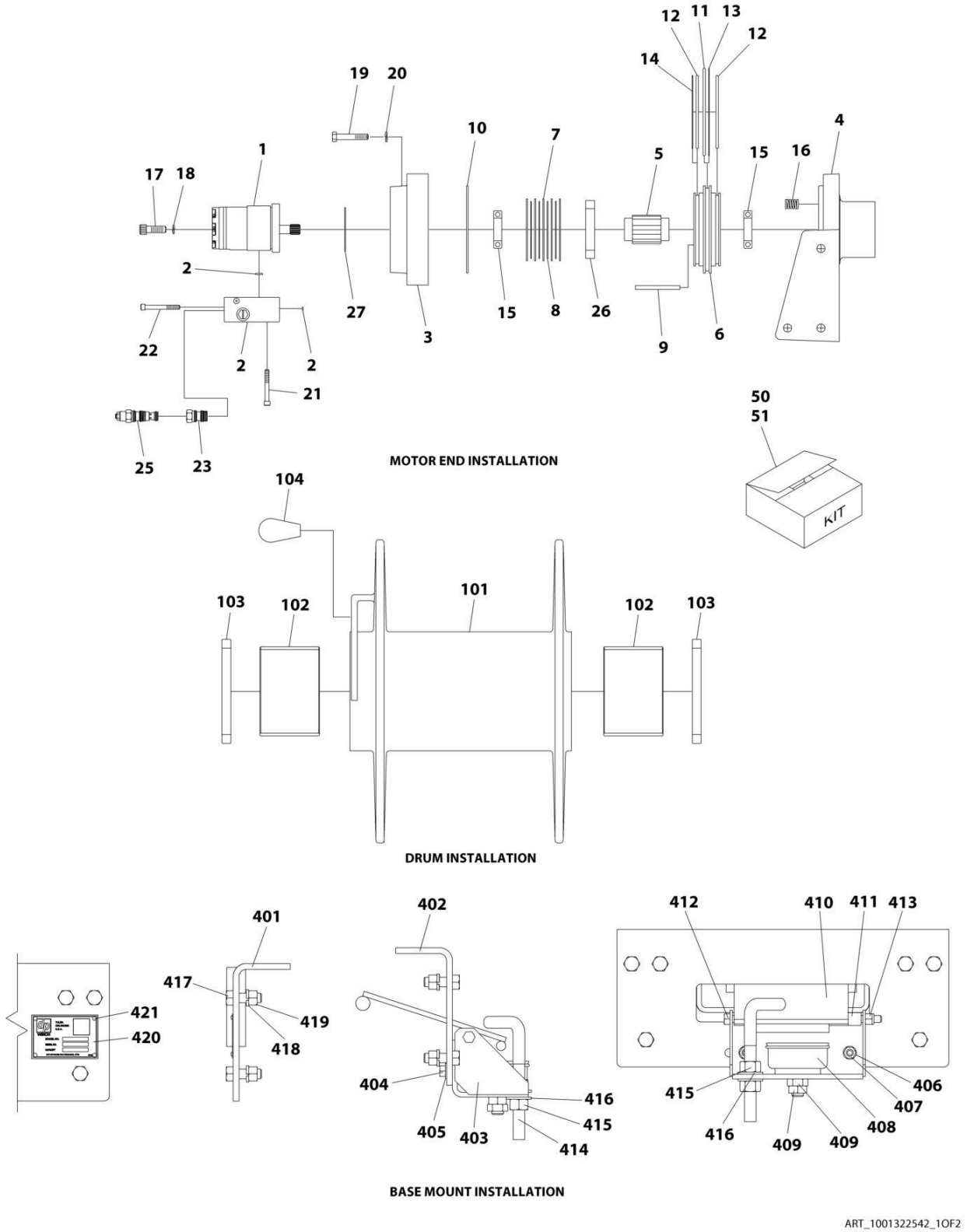
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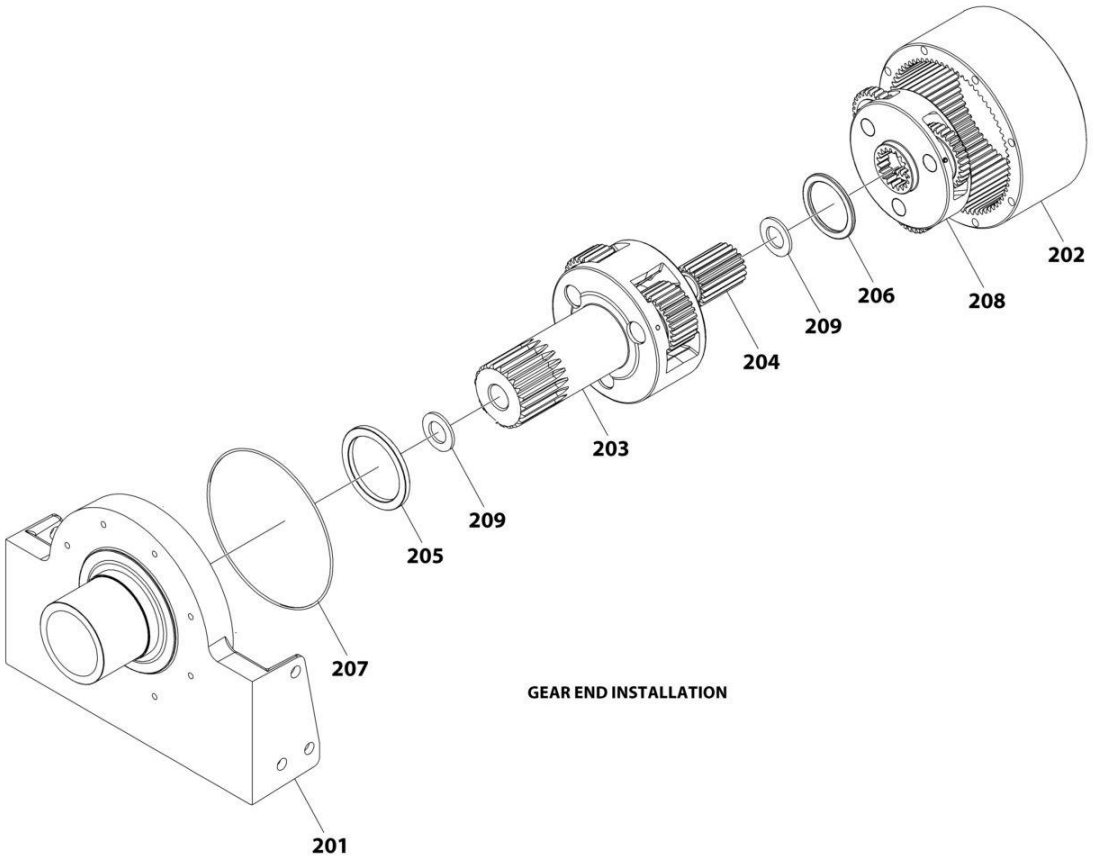
FIGURE 2-16. WINCH ASSEMBLY - AUX -15,000 LBS (DP) - LH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001322543	Ref	WINCH ASSEMBLY - 15,000 LBS	A
		Ref	MOTOR END INSTALLATION	
1	70050113	1	Motor	
2	70050739	1	Valve, Counterbalance	
2	70050115	1	O-Ring	
2	70050740	2	O-Ring	
3	70050741	1	Housing, Brake	
4	70050742	1	Support, Motor End	
5	70050743	1	Shaft, Brake	
6	9698960008	1	Piston, Brake	
7	See Note	NSS	Plate, Disc-Friction (Note: Use Item 50)	
8	See Note	NSS	Plate, Drive-Brake (Note: Use Item 50)	
9	9691960021	2	Pin - Dowel 5/16 x 3-1/2	
10	See Note	NSS	O-Ring (Note: Use Item 51)	
11	See Note	NSS	O-Ring (Note: Use Item 51)	
12	See Note	NSS	O-Ring (Note: Use Item 51)	
13	See Note	NSS	Ring, Back-Up (Note: Use Item 51)	
14	See Note	NSS	Ring, Back-Up (Note: Use Item 51)	
15	9082960013	2	Bearing, Ball 1-3/4 I.D.	
16	See Note	NSS	Spring (Note: Use Item 50)	
17	70050127	2	Capscrew 1/2 x 1-1/4	
18	7950180800	2	Washer 1/2	
19	7118172050	6	Bolt 7/16 x 2-1/2 Grade 8	
20	70070317	6	Washer 7/16	
21	70050744	4	Capscrew 5/16 x 2	
22	70050126	1	Capscrew 1/4 x 4-1/2	
23	70050132	1	Plug	
24	70050401	1	Tag, Warning (Not Shown)	
25	70050129	1	Cartridge, Counterbalance	
26	9831960008	1	Spacer, Brake	
27	9796960145	1	O-Ring	
50	9577960119	1	Kit, Disk & Spring (Includes Items 7,8 & 16)	
51	9577960120	1	Kit, Brake Seal (Includes Items 10,11,12,13 & 14)	
		Ref	DRUM INSTALLATION	
101	70050745	1	Drum	
102	70050746	2	Bearing	
103	70050747	2	Seal	
104	70050748	1	Wedge	
105	70050749	1	Wedge (Not Shown)	
		Ref	GEAR END INSTALLATION	
201	70050750	1	Support, Gear End	
202	70050139	1	Gear, Ring	
203	70050751	1	Carrier Assembly	
204	70050140	1	Gear, Sun	
205	70050752	1	Thrust Washer	
206	9949000056	1	Thrust Washer	
207	9796960188	1	O-Ring	
208	70050141	1	Carrier Assembly	
209	9949960057	2	Thrust Washer	
		Ref	INPUT SHAFT INSTALLATION	

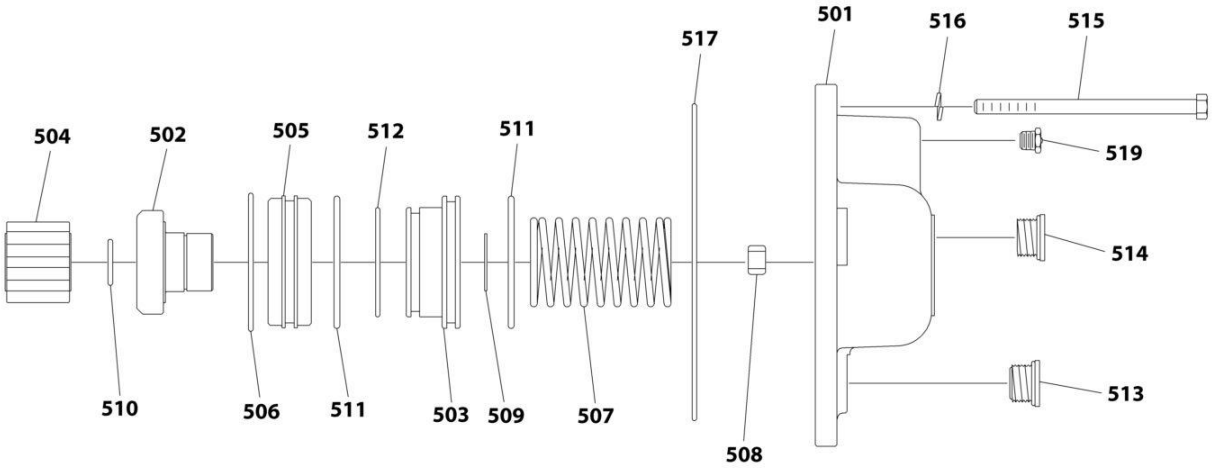
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301	70050753	1	Input Shaft (Not Shown)	
		Ref	BASE MOUNT INSTALLATION	
401	See Note	NSS	Angle (Note: Use PN 1001322543)	
402	See Note	NSS	Angle (Note: Use PN 1001322543)	
403	See Note	NSS	Bracket, Mounting (Note: Use PN 1001322543)	
404	NPN	2	Bolt 3/8 x 1-1/4	
405	NPN	2	Washer 3/8	
406	86974034	2	Washer 3/8	
407	9661960033	2	Nut 3/8	
408	9843960023	1	Spring, Cushion	
409	NPN	2	Nut 5/8	
410	70050758	1	Arm/Rub Bar	
411	70050760	1	Spacer	
412	70050759	1	Bolt 3/8 x 8	
413	9661960034	1	Nut 3/8	
414	9120960019	1	Bolt 5/8 x 6-1/2	
415	NPN	2	Nut 5/8	
416	NPN	2	Washer 5/8	
417	70050755	12	Bolt 1/2 x 1-1/2	
418	7950180000	12	Washer 1/2	
419	70050756	12	Nut 1/2	
420	70050384	1	Plate, Information	
421	70070271	4	Screw	
		Ref	GEAR END COVER INSTALLATION	
501	70050151	1	Cover	
502	70070318	1	Coupling, Drive	
503	70050086	1	Piston	
504	70070319	1	Gear, Sun	
505	9698960015	1	Cylinder, Piston	
506	9754960026	1	Ring, Retaining	
507	9843960032	1	Spring	
508	9209960026	1	Bushing	
509	9754960046	1	Ring, Retaining	
510	9754960047	1	Ring, Retaining	
511	9796960119	2	O-Ring	
512	9796960118	1	O-Ring	
513	9701960012	1	Plug #10	
514	9701960011	1	Plug 7/8	
515	70050761	8	Bolt 5/16 x 4-3/4	
516	9949960050	8	Washer 5/16	
517	9796960188	1	O-Ring	
518	9701960018	1	Plug 1/4 (Not Shown)	
519	9183960001	1	Vent, Relief	

FIGURE 2-17. WINCH ASSEMBLY - AUX -15,000 LBS (DP) - RH





GEAR END INSTALLATION



GEAR END COVER INSTALLATION

ART_1001322542_2OF2

FIGURE 2-17. WINCH ASSEMBLY - AUX -15,000 LBS (DP) - RH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001322542	Ref	WINCH ASSEMBLY - 15,000 LBS	A
		Ref	MOTOR END INSTALLATION	
1	70050113	1	Motor	
2	70050739	1	Valve, Counterbalance	
2	70050115	1	O-Ring	
2	70050740	2	O-Ring	
3	70050741	1	Housing, Brake	
4	70050742	1	Support, Motor End	
5	70050743	1	Shaft, Brake	
6	9698960008	1	Piston, Brake	
7	See Note	NSS	Plate, Disc-Friction (Note: Use Item 50)	
8	See Note	NSS	Plate, Drive-Brake (Note: Use Item 50)	
9	9691960021	2	Pin - Dowel 5/16 x 3-1/2	
10	See Note	NSS	O-Ring (Note: Use Item 51)	
11	See Note	NSS	O-Ring (Note: Use Item 51)	
12	See Note	NSS	O-Ring (Note: Use Item 51)	
13	See Note	NSS	Ring, Back-Up (Note: Use Item 51)	
14	See Note	NSS	Ring, Back-Up (Note: Use Item 51)	
15	9082960013	2	Bearing, Ball 1-3/4 I.D.	
16	See Note	NSS	Spring (Note: Use Item 50)	
17	70050127	2	Capscrew 1/2 x 1-1/4	
18	7950180800	2	Washer 1/2	
19	7118172050	6	Bolt 7/16 x 2-1/2 Grade 8	
20	70070317	6	Washer 7/16	
21	70050744	4	Capscrew 5/16 x 2	
22	70050126	1	Capscrew 1/4 x 4-1/2	
23	70050132	1	Plug	
24	70050401	1	Tag, Warning (Not Shown)	
25	70050129	1	Cartridge, Counterbalance	
26	9831960008	1	Spacer, Brake	
27	9796960145	1	O-Ring	
50	9577960119	1	Kit, Disk & Spring (Includes Items 7,8 & 16)	
51	9577960120	1	Kit, Brake Seal (Includes Items 10,11,12,13 & 14)	
		Ref	DRUM INSTALLATION	
101	70050745	1	Drum	
102	70050746	2	Bearing	
103	70050747	2	Seal	
104	70050748	1	Wedge	
105	70050749	1	Wedge (Not Shown)	
		Ref	GEAR END INSTALLATION	
201	70050750	1	Support, Gear End	
202	70050139	1	Gear, Ring	
203	70050751	1	Carrier Assembly	
204	70050140	1	Gear, Sun	
205	70050752	1	Thrust Washer	
206	9949000056	1	Thrust Washer	
207	9796960188	1	O-Ring	
208	70050141	1	Carrier Assembly	
209	9949960057	2	Thrust Washer	
		Ref	INPUT SHAFT INSTALLATION	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301	70050753	1	Input Shaft (Not Shown)	
		Ref	BASE MOUNT INSTALLATION	
401	See Note	NSS	Angle (Note: Use PN 1001322542)	
402	See Note	NSS	Angle (Note: Use PN 1001322542)	
403	See Note	NSS	Bracket, Mounting (Note: Use PN 1001322542)	
404	NPN	2	Bolt 3/8 x 1-1/4	
405	NPN	2	Washer 3/8	
406	86974034	2	Washer 3/8	
407	9661960033	2	Nut 3/8	
408	9843960023	1	Spring, Cushion	
409	NPN	2	Nut 5/8	
410	70050758	1	Arm/Rub Bar	
411	70050760	1	Spacer	
412	70050759	1	Bolt 3/8 x 8	
413	9661960034	1	Nut 3/8	
414	9120960019	1	Bolt 5/8 x 6-1/2	
415	NPN	2	Nut 5/8	
416	NPN	2	Washer 5/8	
417	70050755	12	Bolt 1/2 x 1-1/2	
418	7950180000	12	Washer 1/2	
419	70050756	12	Nut 1/2	
420	70050384	1	Plate, Information	
421	70070271	4	Screw	
		Ref	GEAR END COVER INSTALLATION	
501	70050151	1	Cover	
502	70070318	1	Coupling, Drive	
503	70050086	1	Piston	
504	70070319	1	Gear, Sun	
505	9698960015	1	Cylinder, Piston	
506	9754960026	1	Ring, Retaining	
507	9843960032	1	Spring	
508	9209960026	1	Bushing	
509	9754960046	1	Ring, Retaining	
510	9754960047	1	Ring, Retaining	
511	9796960119	2	O-Ring	
512	9796960118	1	O-Ring	
513	9701960012	1	Plug #10	
514	9701960011	1	Plug 7/8	
515	70050761	8	Bolt 5/16 x 4-3/4	
516	9949960050	8	Washer 5/16	
517	9796960188	1	O-Ring	
518	9701960018	1	Plug 1/4 (Not Shown)	
519	9183960001	1	Vent, Relief	

FIGURE 2-18. AUXILIARY WINCH CABLE TIE-BACK INSTALLATION

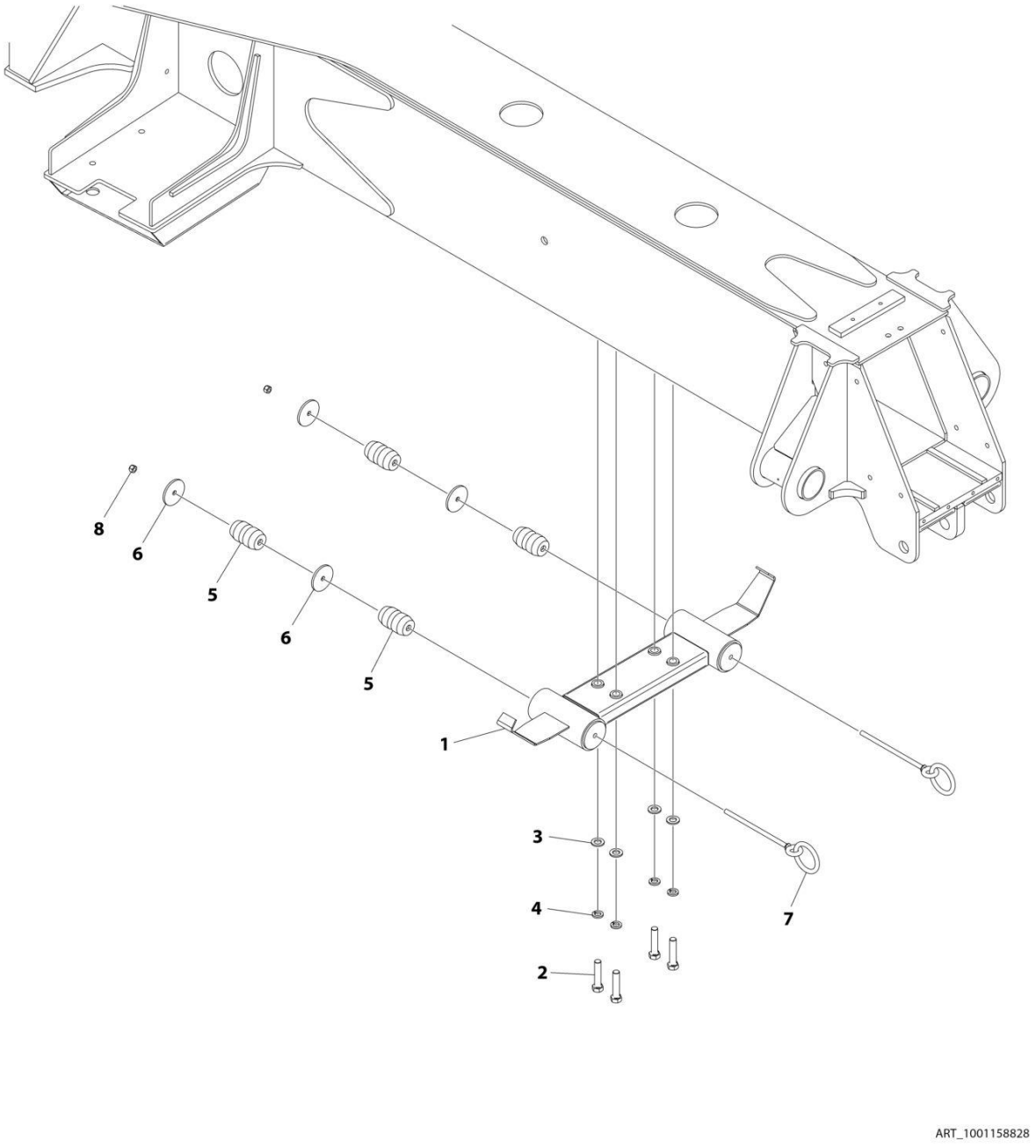
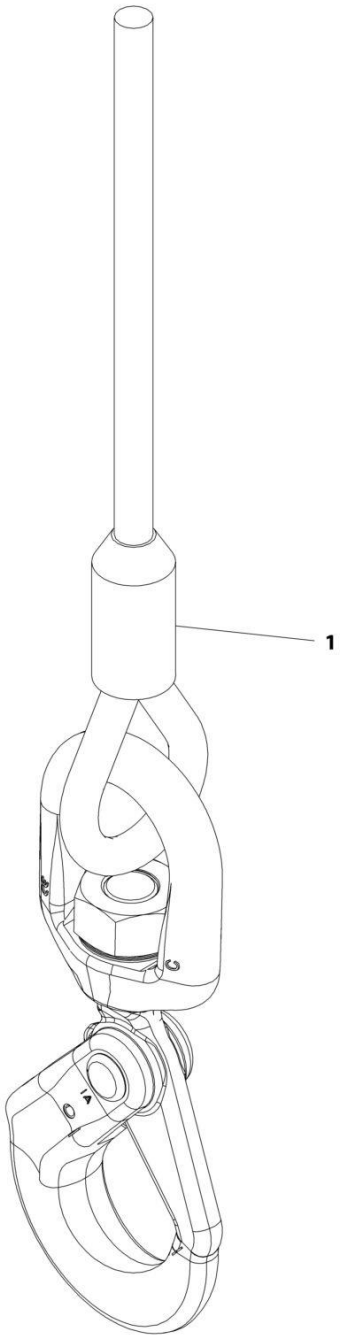


FIGURE 2-18. AUXILIARY WINCH CABLE TIE-BACK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158828	Ref	Auxiliary Winch Cable Tie-Back Installation	C
1	1001158198	1	Bracket, Cable Tie-Back	
2	7118222850	4	Capscrew 3/4 x 3-1/2	
3	7950220141	4	Washer 3/4	
4	7950220000	4	Washer 3/4	
5	7189000014	4	Spring	
6	4831000115	4	Spacer	
7	7120000053	2	Ring Bolt 1/2 x 10	
8	7660182601	2	Nut 1/2	

FIGURE 2-19. CABLE INSTALLATION - 0.75 X 200FT EEIPS SWIVEL HOOK



ART_1001303528

FIGURE 2-19. CABLE INSTALLATION - 0.75 X 200FT EEIPS SWIVEL HOOK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303528	Ref	CABLE INSTALLATION - 0.75 X 200FT EEIPS SWIVEL HOOK	A
1	1001319137	2	Cable Assembly	

FIGURE 2-20. CABLE INSTALLATION - AUXILIARY WINCH

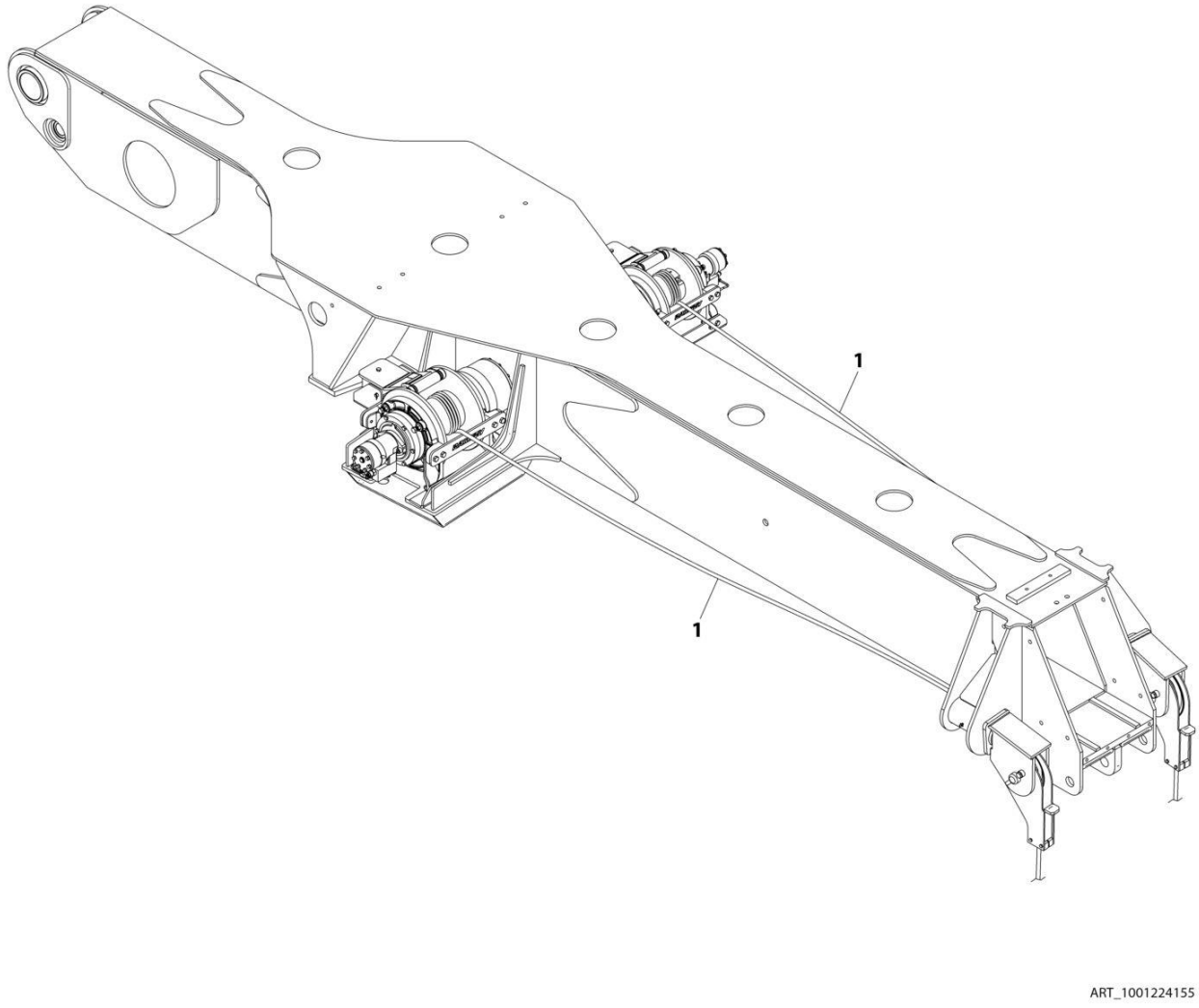


FIGURE 2-20. CABLE INSTALLATION - AUXILIARY WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224155	Ref	CABLE INSTALLATION - AUXILIARY WINCH	B
1	1001224174	2	Cable, Winch	

FIGURE 2-21. CABLE INSTALLATION - DRAG WINCH

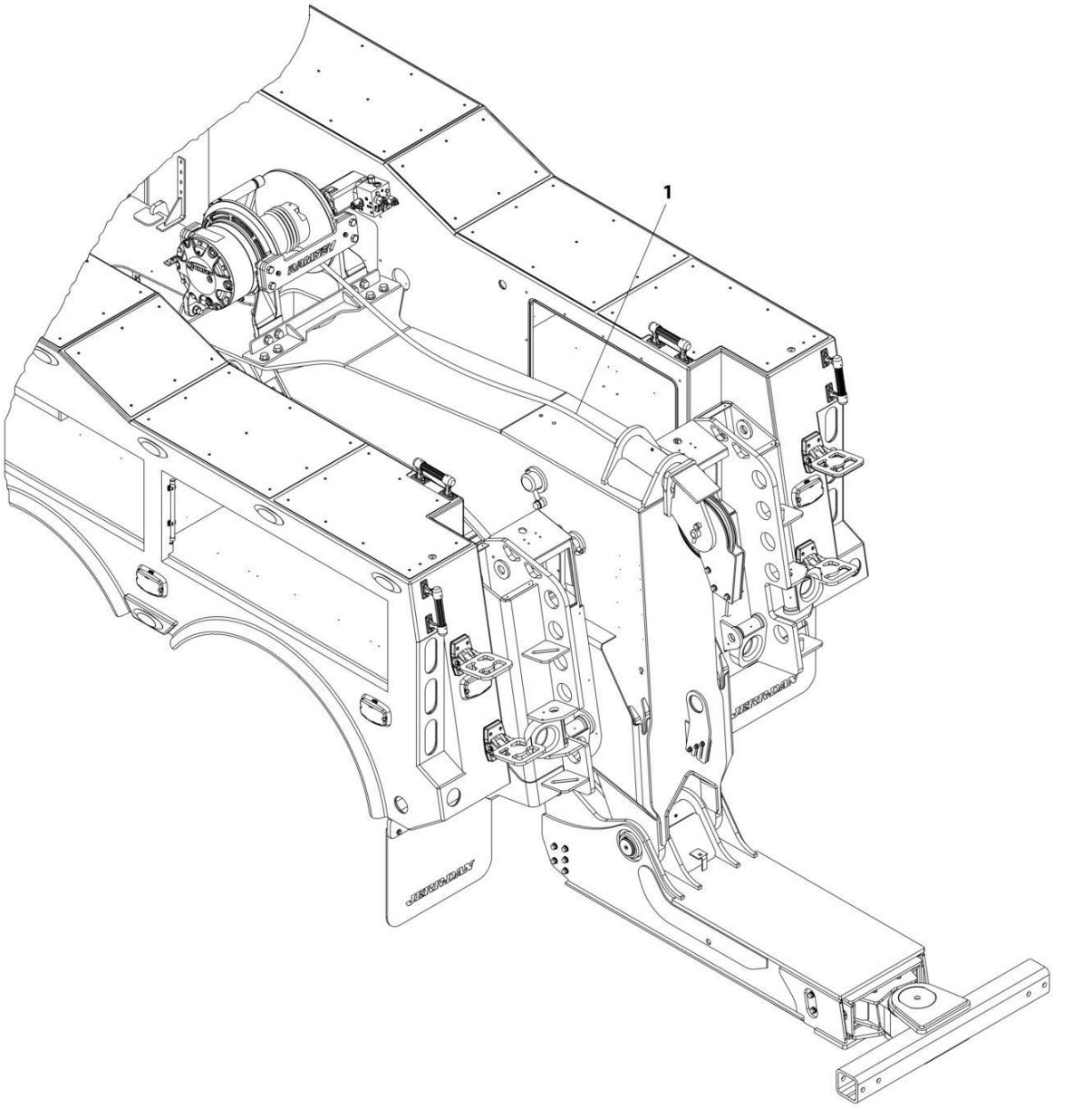


FIGURE 2-21. CABLE INSTALLATION - DRAG WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224140	Ref	CABLE INSTALLATION - DRAG WINCH	A
1	1001224173	1	Cable, Winch	

FIGURE 2-22. CYLINDER ASSEMBLY - EXTEND

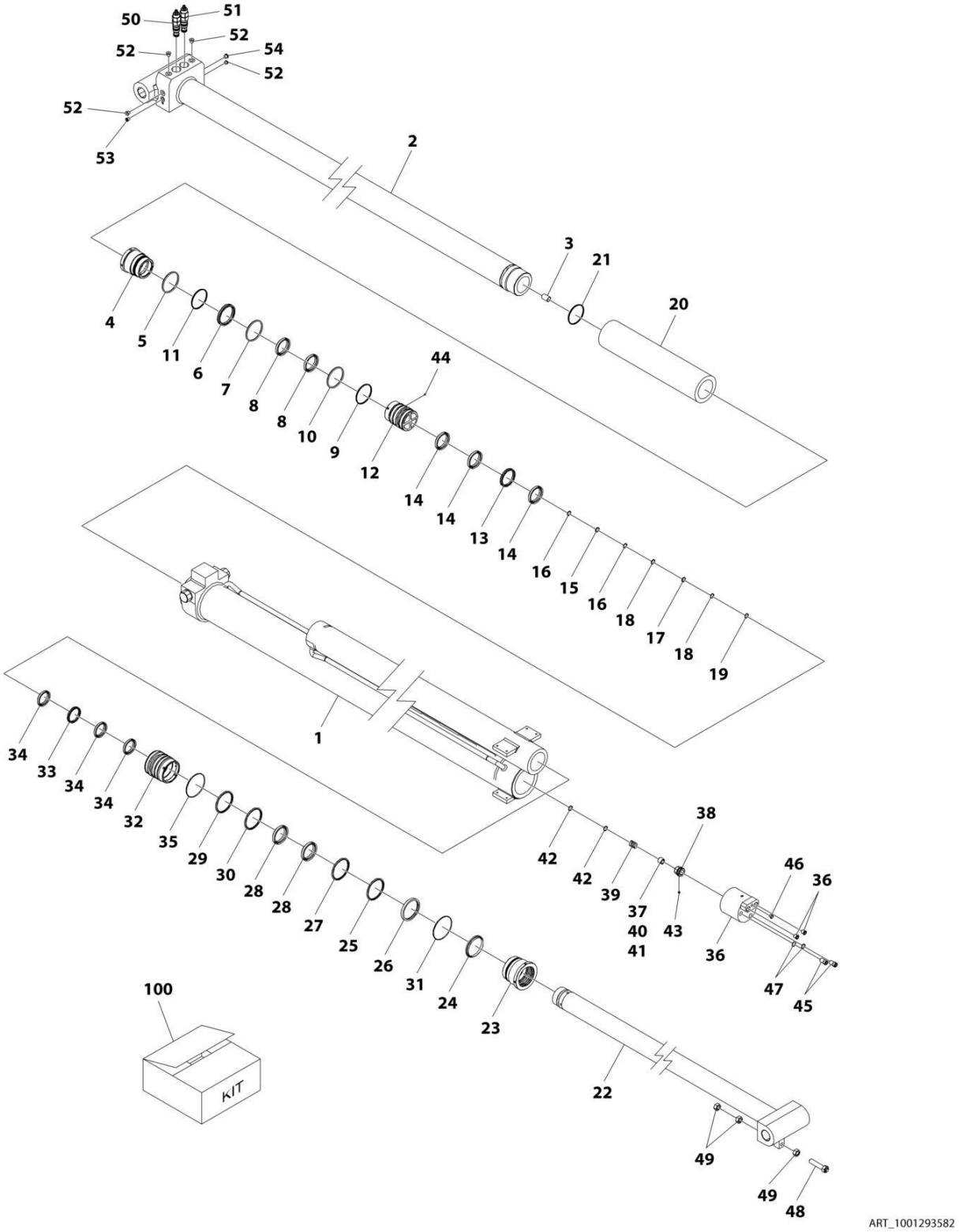


FIGURE 2-22. CYLINDER ASSEMBLY - EXTEND

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001293582	Ref	CYLINDER ASSEMBLY	E
		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 1001293582)	
2	70070241	1	Rod #1	
3	70070242	1	Retractor #1	
4	70070122	1	Head #1	
5	See Note	NSS	Wiper (Note: Use Item 100)	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Buffer (Note: Use Item 100)	
8	See Note	NSS	Ring, Wear (Note: Use Item 100)	
9	See Note	NSS	O-Ring (Note: Use Item 100)	
10	See Note	NSS	Ring, Backup (Note: Use Item 100)	
11	See Note	NSS	O-Ring (Note: Use Item 100)	
12	70070123	1	Piston #1	
13	See Note	NSS	Seal, Piston (Note: Use Item 100)	
14	See Note	NSS	Ring, Wear (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	See Note	NSS	Ring, Backup (Note: Use Item 100)	
17	See Note	NSS	O-Ring (Note: Use Item 100)	
18	See Note	NSS	Ring, Backup (Note: Use Item 100)	
19	70070243	1	Bearing	
20	70070244	1	Spacer #1	
21	See Note	NSS	O-Ring (Note: Use Item 100)	
22	70070245	1	Rod #2	
23	70070246	1	Head #2	
24	See Note	NSS	Wiper (Note: Use Item 100)	
25	See Note	NSS	Seal, Rod (Note: Use Item 100)	
26	See Note	NSS	Ring, Backup (Note: Use Item 100)	
27	See Note	NSS	Ring, Buffer (Note: Use Item 100)	
28	See Note	NSS	Ring, Wear (Note: Use Item 100)	
29	See Note	NSS	O-Ring (Note: Use Item 100)	
30	See Note	NSS	Ring, Backup (Note: Use Item 100)	
31	See Note	NSS	O-Ring (Note: Use Item 100)	
32	70070247	1	Piston #2	
33	See Note	NSS	Seal, Piston (Note: Use Item 100)	
34	See Note	NSS	Ring, Wear (Note: Use Item 100)	
35	See Note	NSS	O-Ring (Note: Use Item 100)	
36	70070128	1	Valve	
37	70070129	1	Valve	
38	70070130	AR	Nut	
39	70070249	1	Spring	
40	See Note	NSS	O-Ring (Note: Use Item 100)	
41	See Note	NSS	Ring, Backup (Note: Use Item 100)	
42	See Note	NSS	O-Ring (Note: Use Item 100)	
43	70070132	AR	Setscrew M3 x 3	
44	70005879	AR	Setscrew M6 x 8	
45	70070133	2	Capscrew M12 x 110	
46	70070134	1	Capscrew M12 x 120	

SECTION 2 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	70005883	2	Washer	
48	70070135	1	Bolt	
49	70070248	3	Nut	
50	70053213	1	Valve, Cartridge (Same as PN 70070042)	
51	70052584	1	Valve, Cartridge (Same as PN 70070089)	
52	2220885	4	Plug	
53	2220883	AR	Plug	
54	2220886	AR	Plug	
100	70054042	1	Kit, Seal - 1001293582 Cylinder 1 (Includes Items 5-11, 13-18, 21, 24-31, 33-35, 40-42)	

FIGURE 2-23. CYLINDER ASSEMBLY - LIFT

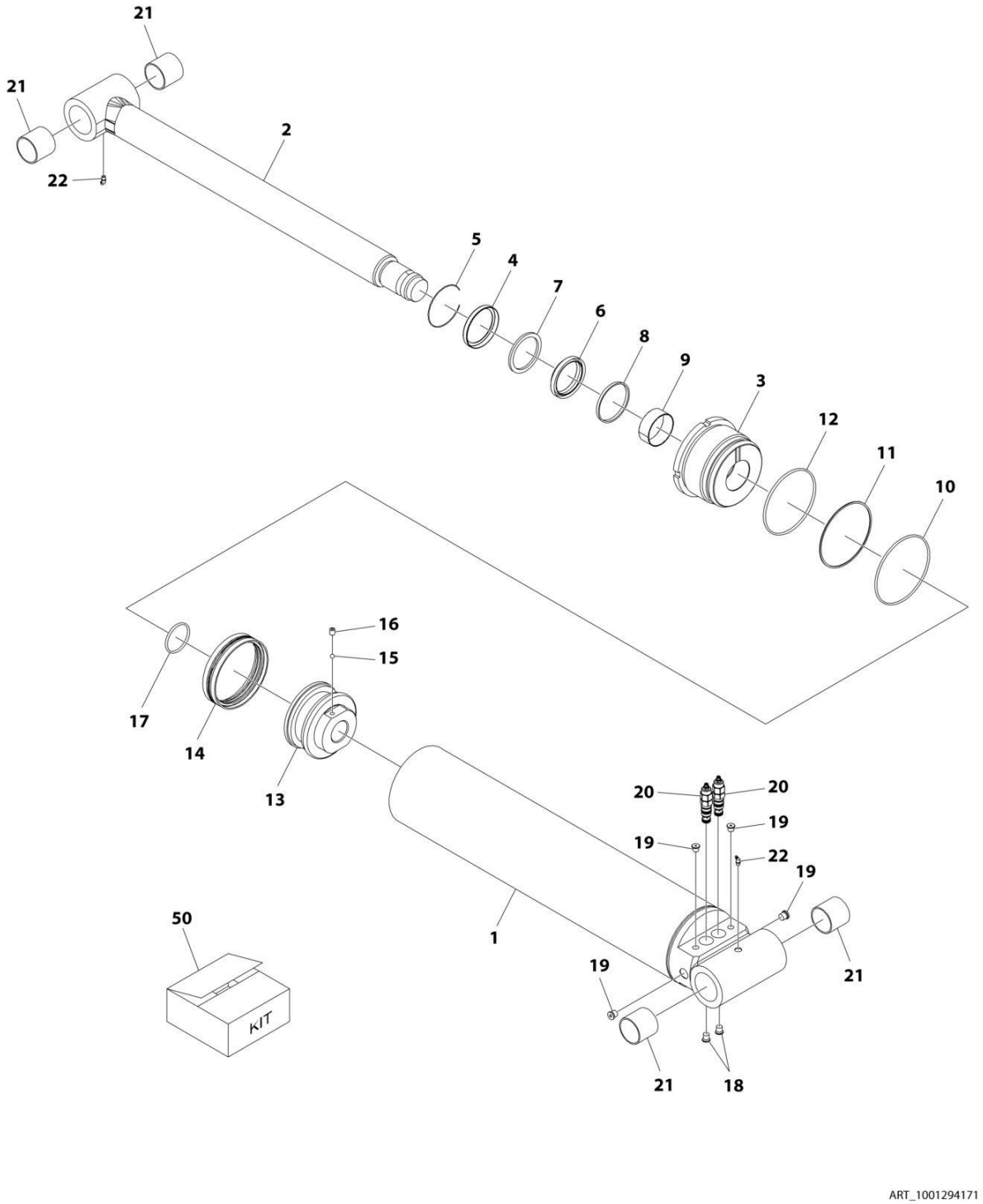
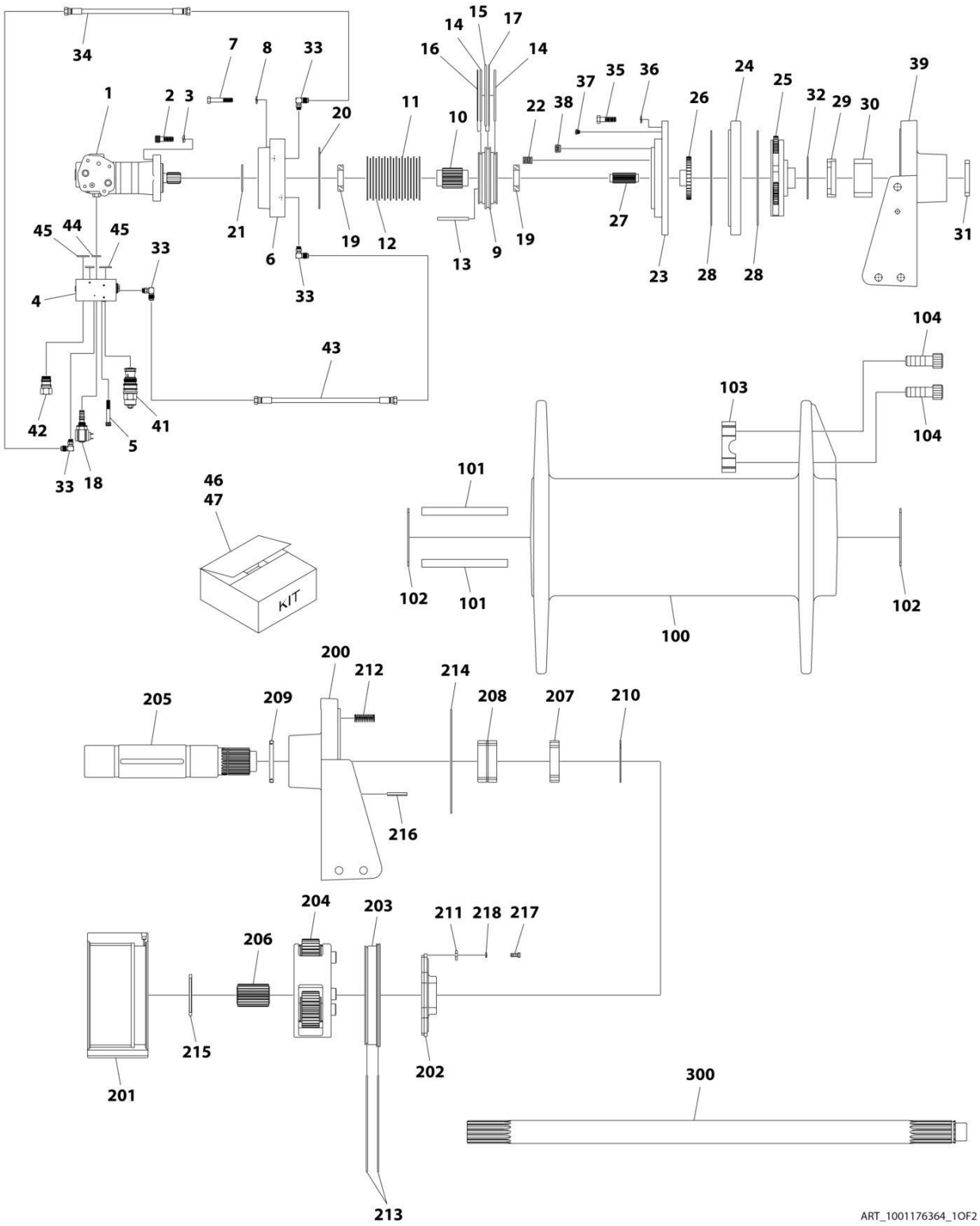
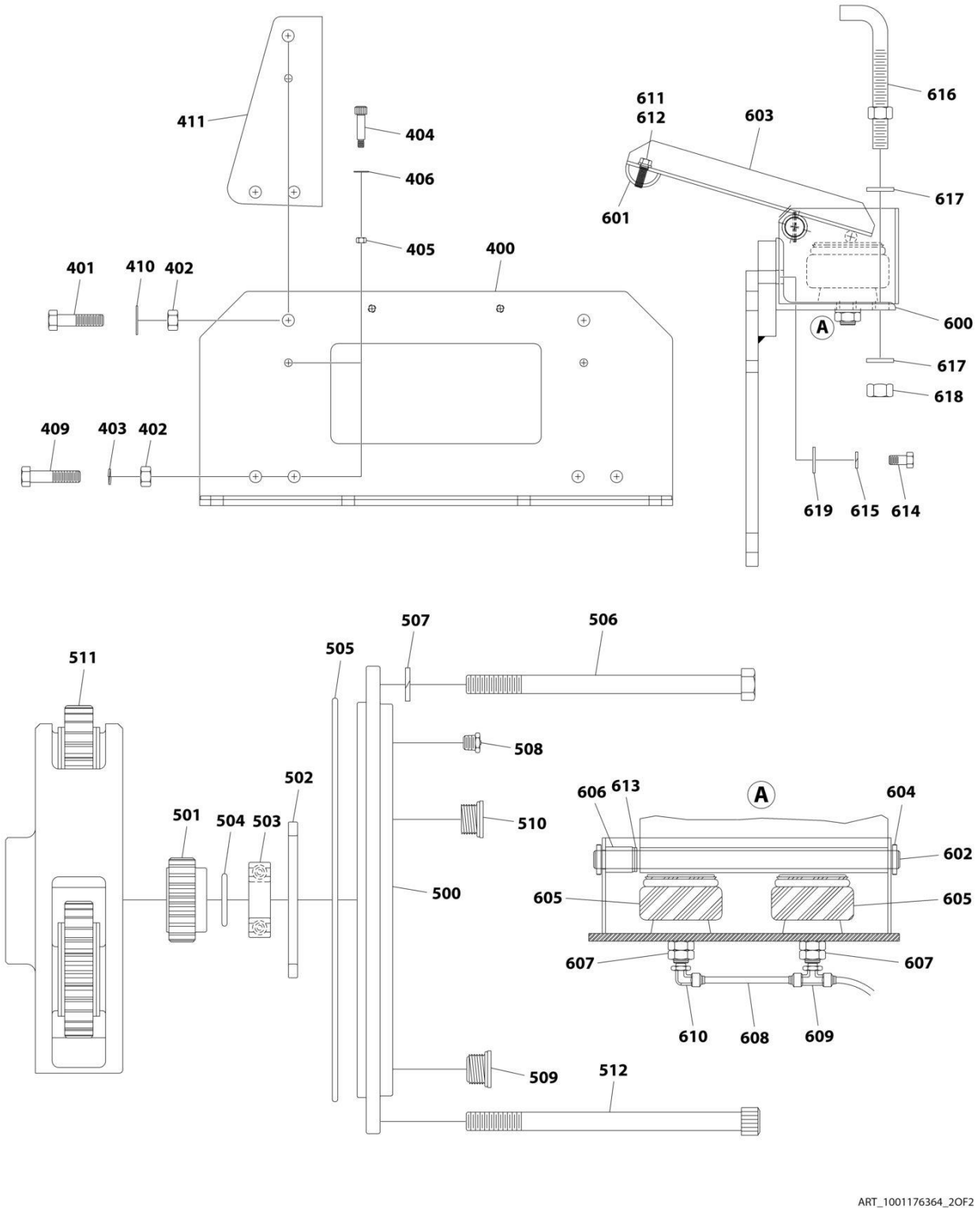


FIGURE 2-23. CYLINDER ASSEMBLY - LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294171	Ref	CYLINDER ASSEMBLY	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001294171)	
2	70070236	1	Rod	
3	70070237	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 50)	
5	70027750	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 50)	
7	See Note	NSS	Ring, Backup (Note: Use Item 50)	
8	See Note	NSS	Ring, Buffer (Note: Use Item 50)	
9	7007279	1	Bearing	
10	See Note	NSS	O-Ring (Note: Use Item 50)	
11	See Note	NSS	Ring, Backup (Note: Use Item 50)	
12	See Note	NSS	O-Ring (Note: Use Item 50)	
13	70070238	1	Piston	
14	See Note	NSS	Seal, Piston (Note: Use Item 50)	
15	70022564	1	Ball	
16	70007246	1	Setscrew	
17	See Note	NSS	O-Ring (Note: Use Item 50)	
18	2220883	2	Plug	
19	2220886	4	Plug	
20	70053216	2	Valve, Cartridge	
21	70070239	4	Pin	
22	70070072	2	Fitting, Grease	
50	70054041	1	Kit, Seal - 1001294171 Cylinder 1 (Includes Items 4, 6-8, 10-12, 14, 17)	

FIGURE 2-24. DP WINCH 50,000 LBS - RH





ART_1001176364_2OF2

FIGURE 2-24. DP WINCH 50,000 LBS - RH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176364	Ref	DP Winch 50,000 lbs - RH	C
		Ref	Motor End Assembly	
1	70050367	1	Motor, Hydraulic	
2	7118181205	2	Capscrew 1/2 x 1-1/2	
3	7950180800	2	Washer 1/2	
4	70050368	1	Valve, Counterbalance	
5	70050370	4	Capscrew 3/8 x 2-1/2	
6	9571960006	1	Housing, Brake Outer	
7	7118172050	6	Capscrew 7/16 x 2-1/2	
8	7950170000	6	Washer 7/16	
9	9698960008	1	Piston, Brake	
10	9806960013	1	Shaft, Brake	
11	Kit	10	Plate, Friction Disk	
12	Kit	9	Plate, Brake Drive	
13	9691960021	2	Pin	
14	Kit	2	O-Ring	
15	Kit	1	O-Ring	
16	Kit	1	Ring	
17	Kit	1	Ring	
18	70050371	1	Cartridge, Valve	
19	9082960013	2	Bearing	
20	Kit	1	O-Ring	
21	9796960090	1	O-Ring	
22	Kit	12	Spring	
23	7007960040	1	Adapter, Brake	
24	9472960032	1	Gear, Ring 92 Teeth	
25	9472960029	1	Carrier, Planetary Assembly	
26	9472960033	1	Gear, Sun	
27	9806960014	1	Shaft, Extension	
28	9796960085	2	O-Ring	
29	9706960027	1	Plate, Thrust - 45	
30	9082960014	1	Bearing	
31	9796960087	1	Seal	
32	9754960029	1	Retainer Ring	
33	7445040445	3	Adapter	
34	70050372	1	Hose	
35	7115182250	4	Capscrew 1/2 x 2-3/4	
36	7950180000	4	Washer 1/2	
37	9183960001	1	Vent	
38	9701960010	2	Plug	
39	9177960002	1	Support, Motor End	
40	9443960006	1	Adapter (Not Shown)	
41	9935960026	1	Cartridge, Counterbalance	
42	9701960013	1	Plug Assembly	
43	70050373	1	Hose	
44	70050369	2	O-Ring	
45	9796960088	2	O-Ring	
46	9577960119	Ref	Disk and Spring Kit (includes items 11, 12 & 22)	
47	9577960120	Ref	Brake Seal Kit (includes items 14 to 17 & 20)	
		Ref	Drum Assembly	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
100	70050381	1	Drum, Winch	
101	70050382	2	Key, Shaft Output	
102	70050383	2	Retaining Ring	
103	9280960002	1	Clip, Cable - Threaded	
104	7110201823	2	Capscrew 5/8 x 2-1/4	
		Ref	Gear End Assembly	
200	9177960001	1	Support, Gear End	
201	9472960036	1	Gear, Ring - 103 Teeth	
202	9281960004	1	Clutch	
203	9698960009	1	Piston	
204	9472960030	1	Carrier Assembly	
205	9806960015	1	Shaft, Output	
206	70050380	1	Gear, Sun	
207	9154960027	1	Ring, Thrust	
208	9082960014	1	Bearing, Roller	
209	9796960087	1	Seal	
210	9754960029	1	Retaining Ring	
211	9698960010	3	Piston Retainer	
212	9843960025	3	Spring	
213	9796960093	2	O-Ring	
214	9796960085	1	O-Ring	
215	9949960013	1	Washer	
216	7690153245	2	Pin	
217	7115150650	6	Capscrew 5/16 x 3/4	
218	9949960050	6	Washer 5/16	
		Ref	Input Shaft Assembly	
300	70050374	1	Input Shaft	
		Ref	Base Mount Assembly	
400	9073960002	2	Base, Mount	
401	7115222450	4	Capscrew 3/4 x 3	
402	7660220001	12	Nut 3/4	
403	7950220000	8	Washer 3/4	
404	9120960020	4	Bolt 1/2 x 2	
405	9661960033	4	Nut 3/8	
406	9949960051	4	Washer 3/8	
407	70050384	1	Plate, Winch Information (Not Shown)	
408	70050147	4	Rivet (Not Shown)	
409	7115222650	8	Capscrew 3/4 x 3-1/4	
410	7950220151	4	Washer 3/4	
411	9831960007	4	Spacer	
412	9577960113	1	Kit, Cable Hold Down (Not Shown)	
		Ref	Gear End Cover Assembly	
500	70050375	1	Cover	
501	70050376	1	Gear, Sun Primary 29 Teeth	
502	9949960013	1	Washer	
503	9082960015	1	Bearing	
504	9754960030	1	Retaining Ring	
505	9796960085	1	O-Ring	
506	70050377	10	Capscrew 1/2 x 7-1/2	
507	7950180000	10	Washer 1/2	
508	9183960001	1	Vent	

SECTION 2 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
509	9701960012	1	Plug	
510	9701960011	1	Plug	
511	70050378	1	Carrier Assembly	
512	70050379	2	Capscrew 1/2 x 7	
		Ref	Cable Hold Down Assembly	
600	9178960011	1	Bracket	
601	9064960001	1	Bar	
602	9691960019	1	Pin	
603	9020960002	1	Arm, Pivot	
604	9690960039	2	Cotter Pin	
605	9843960023	2	Spring, Air Cushion	
606	9831960009	1	Spacer	
607	7660200200	4	Nut 5/8	
608	9912960010	1	Tubing	
609	7443000205	1	Adapter	
610	7443000204	1	Adapter	
611	9949960050	3	Washer 5/8	
612	9120960063	3	Capscrew 5/8 x 1	
613	9949960012	2	Washer	
614	7115181650	2	Capscrew 1/2 x 1	
615	7950180000	2	Washer 1/2	
616	9120960019	1	Bolt 5/8 x 6-1/2	
617	7950200151	2	Washer 5/8	
618	7660200001	1	Nut 5/8	
619	70050385	2	Washer 1/2	

FIGURE 2-25. DRAG WINCH - RAMSEY 50,000

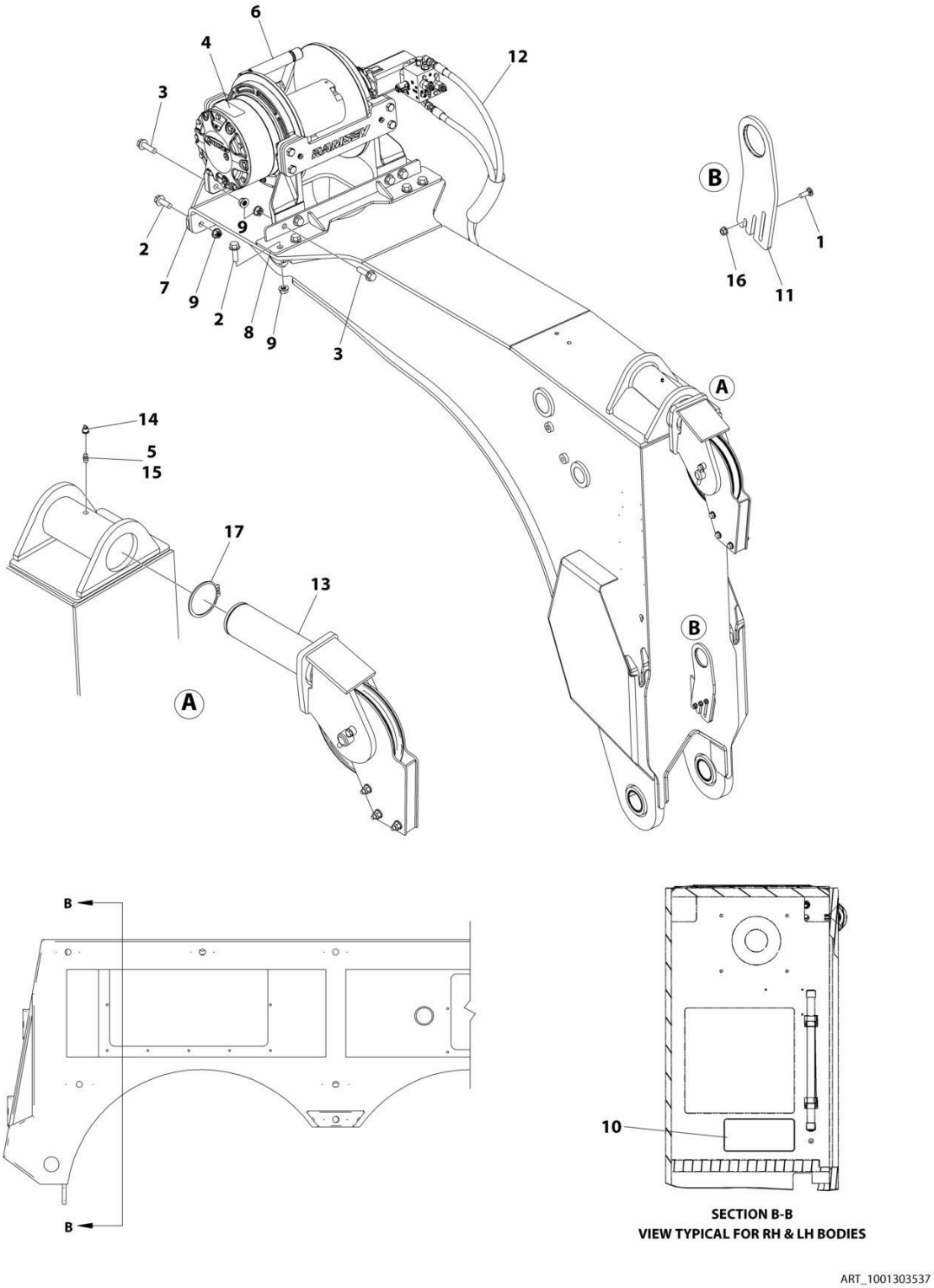


FIGURE 2-25. DRAG WINCH - RAMSEY 50,000

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303537	Ref	RAMSEY DRAG WINCH 50,000	A
1	0630485	3	Bolt	
2	0812218	8	Screw 3/4 x 2-1/4	
3	0812222	8	Screw 3/4 x 2-3/4	
4	1001142812	1	Decal - Pinch Hazard	
5	1001152707	AR	Lubricant	
6	1001226712	1	Ramsey Hercules 50,000 lbs - RH (See Separate Breakdown in this Section)	
7	1001226713	1	Plate	
8	1001226714	1	Plate	
9	1001227079	16	Nut 3/4	
10	1001227308	2	Decal - Drag Winch Loading	
11	1001257980	1	Plate	
12	1001304300	1	Hydraulic Drag Winch Installation (See Separate Breakdown in HYDRAULIC Section)	
13	3249000009	1	Support, Sheave	
14	7253000002	1	Cap, Grease Fitting	
15	7440030000	1	Fitting, Grease	
16	7660162301	3	Nut 3/8	
17	7754000059	1	Ring, Retaining	

FIGURE 2-26. DRAG WINCH - DP 50,000

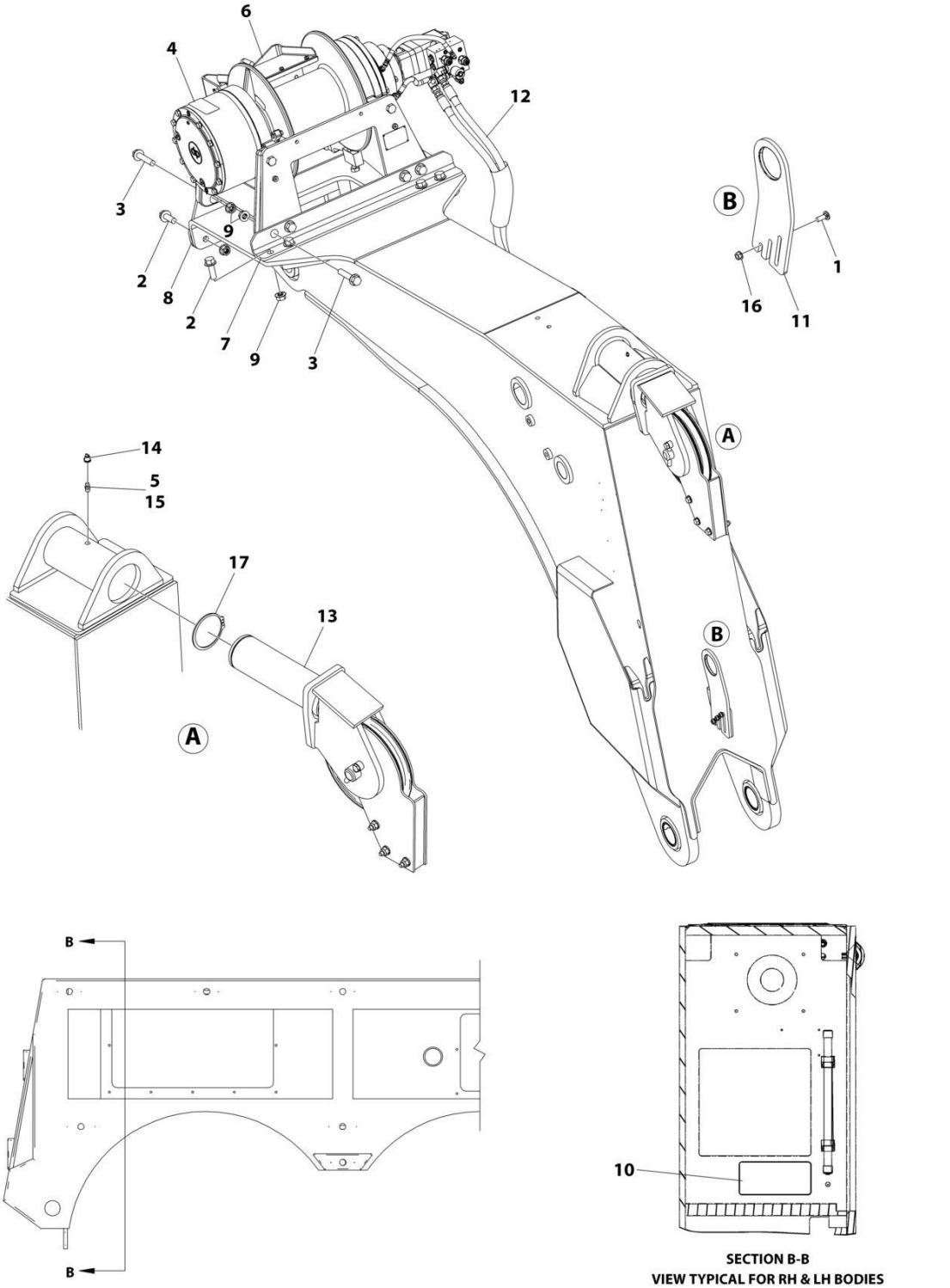


FIGURE 2-26. DRAG WINCH - DP 50,000

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303538	Ref	DP DRAG WINCH 50,000	A
1	0630485	3	Bolt	
2	0812218	8	Screw 3/4 x 2-1/4	
3	0812232	8	Screw 3/4 x 4	
4	1001142812	1	Decal - Pinch Hazard	
5	1001152707	AR	Lubricant	
6	1001176364	1	DP Electric Hydraulic Winch 50,000 lbs - RH (See Separate Breakdown in this Section)	
7	1001224056	1	Bracket	
8	1001226717	1	Plate	
9	1001227079	16	Nut 3/4	
10	1001227308	2	Decal - Drag Winch Loading	
11	1001257980	1	Plate	
12	1001304299	1	Hydraulic Drag Winch DP50 Installation (See Separate Breakdown in HYDRAULIC Section)	
13	3249000009	1	Support, Sheave	
14	7253000002	1	Cap, Grease Fitting	
15	7440030000	1	Fitting, Grease	
16	7660162301	3	Nut 3/8	
17	7754000059	1	Ring, Retaining	

FIGURE 2-27. HEADBOARD INSTALLATION

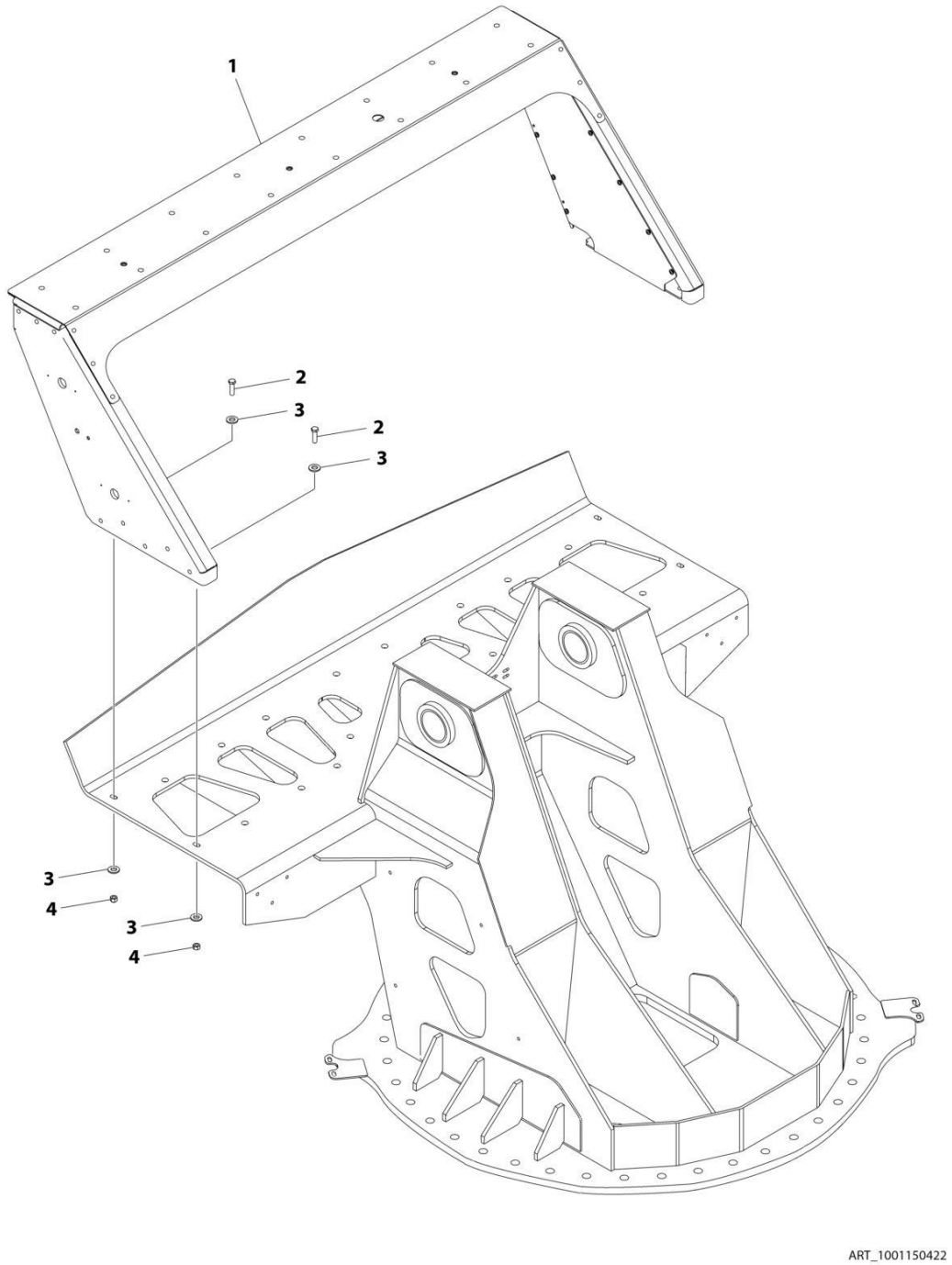


FIGURE 2-27. HEADBOARD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150422	Ref	Headboard Installation	A
1	1001150180	1	Headboard Assembly (See Separate Breakdown in this Section)	
2	7115181450	4	Capscrew 1/2 x 1-3/4	
3	7950180161	8	Washer 1/2	
4	7660182601	4	Nut 1/2	

FIGURE 2-28. HEADBOARD ASSEMBLY

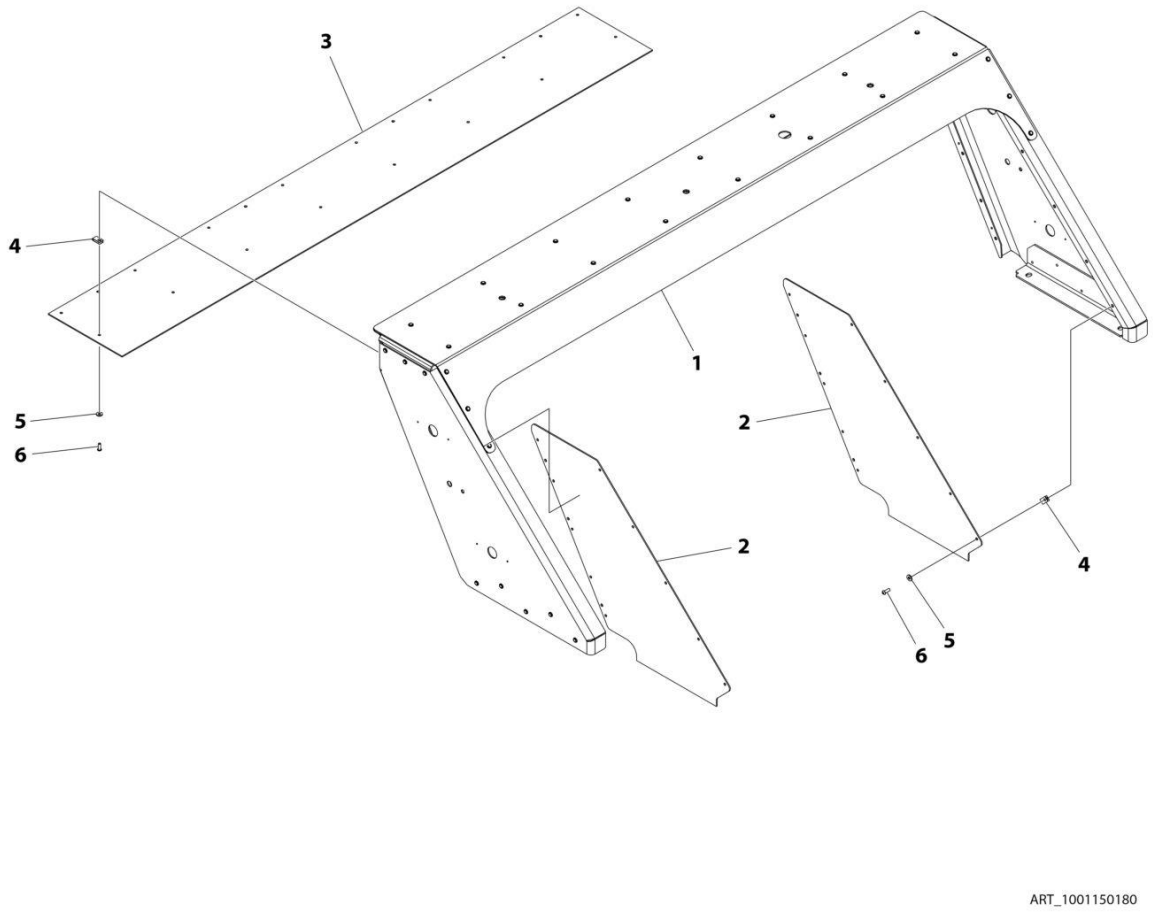


FIGURE 2-28. HEADBOARD ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150180	Ref	Headboard Assembly	B
1	1001150151	1	Headboard Bondment	
2	1001129818	2	Panel, Headboard Cover LH and RH	
3	1001129820	1	Panel, Headboard Cover Top	
4	7661000019	36	U-Nut 1/4	
5	7950140143	36	Washer 1/4	
6	7114140618	36	Capscrew 1/4	

FIGURE 2-29. HOUSE LOCK INSTALLATION

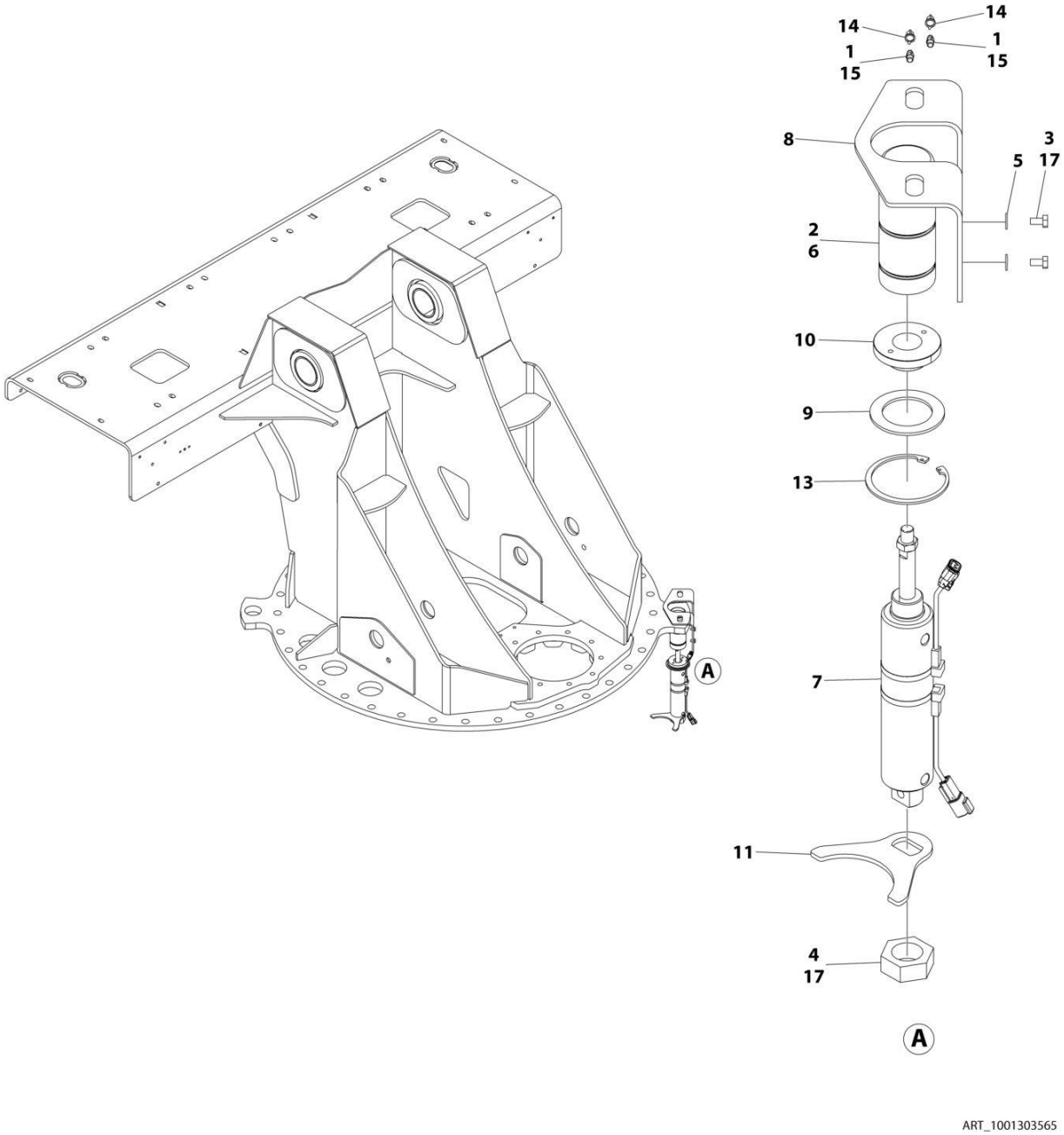


FIGURE 2-29. HOUSE LOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303565	Ref	HOUSE LOCK INSTALLATION	C
1	3020029	AR	Lubricant	
2	3020039	AR	Lubricant	
3	0651404	2	Bolt 1/4 x 1/2	
4	3323002	1	Nut 1/4	
5	4711400	2	Washer 1/4	
6	1001227480	1	Pin	
7	1001227482	1	Cylinder	
8	1001309744	1	Bracket	
9	1001309748	1	Plate	
10	1001309750	1	Sleeve	
11	1001309754	1	Plate	
13	1001309757	1	Ring, Retaining	
14	7253000002	2	Cap, Grease Fitting	
15	7440030000	2	Fitting, Grease	
17	0100011	AR	Compound, Locking	

FIGURE 2-30. PYLON VANITY COVERS BLANK INSTALLATION

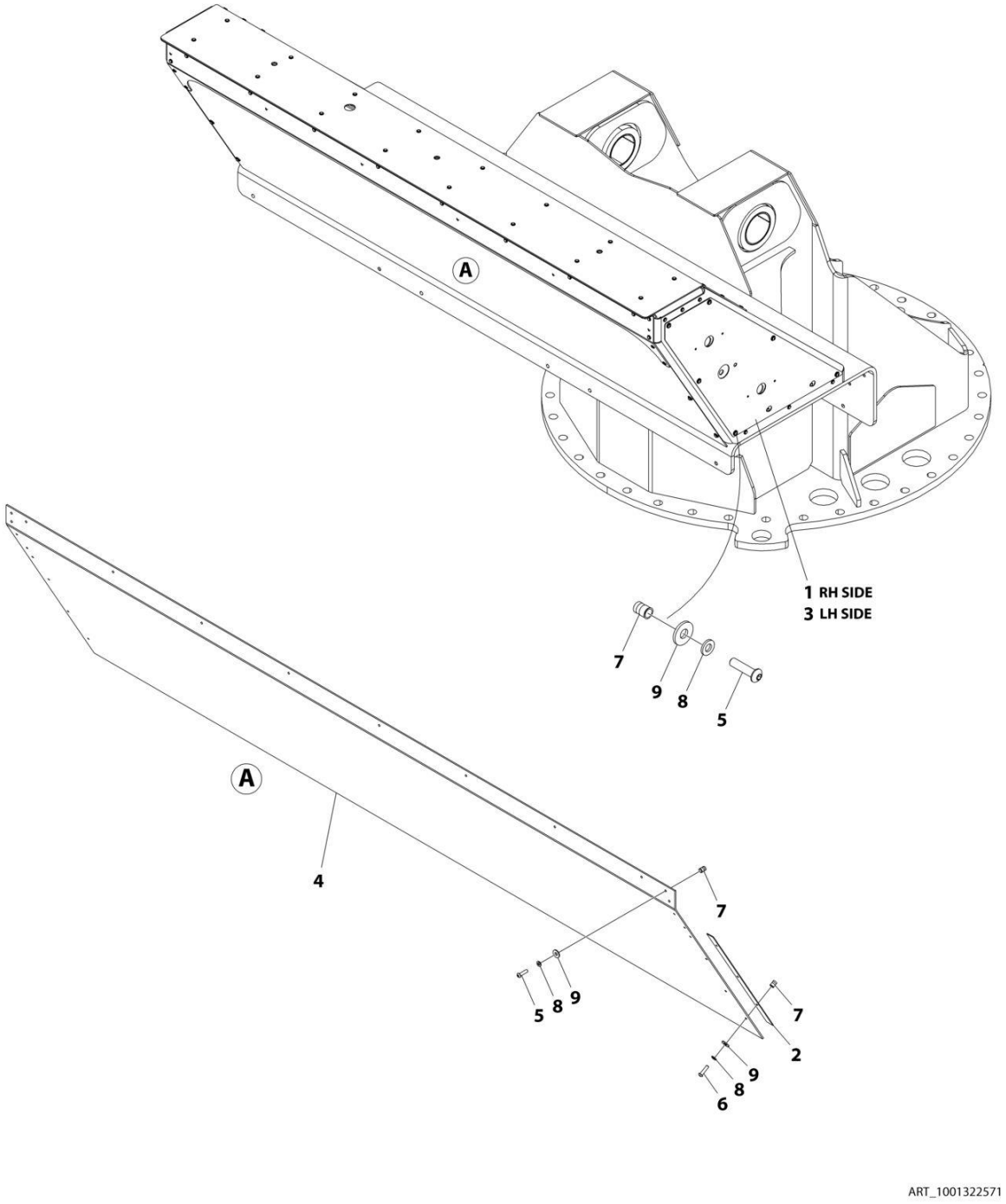
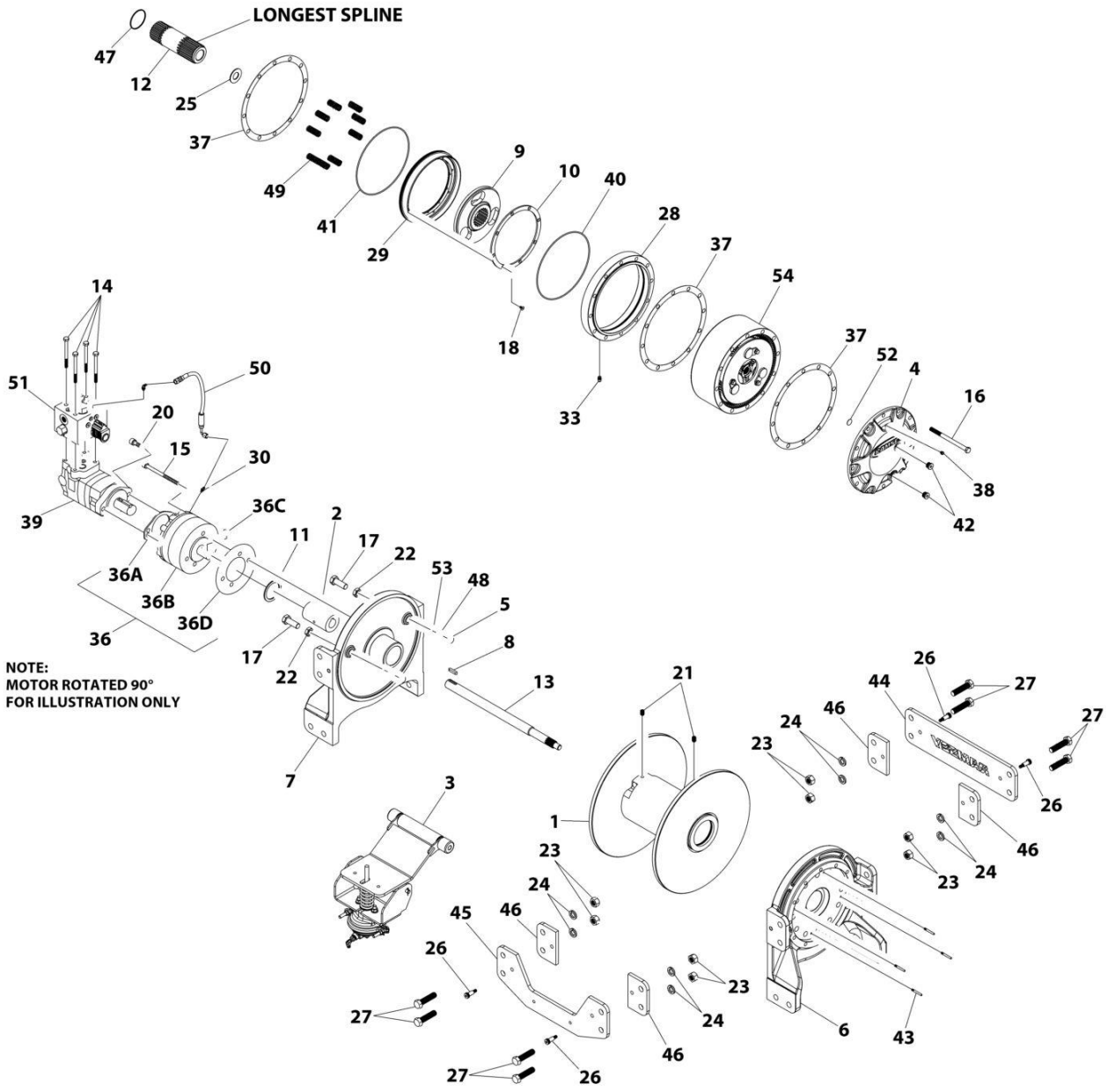


FIGURE 2-30. PYLON VANITY COVERS BLANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001322571	Ref	PYLON VANITY COVERS BLANK INSTALLATION	C
1	1001329918	1	Plate RH Side	
2	1001219187	2	Shim	
3	1001329917	1	Plate LH Side	
4	1001330026	1	Plate Front Side	
5	7114140518	18	Capscrew 1/4 x 5/8	
6	7114140618	4	Capscrew 1/4 x 3/4	
7	7413000002	22	Nutsert 1/4	
8	7950140003	22	Washer 1/4	
9	7950140143	22	Washer 1/4	

FIGURE 2-31. RAMSEY HERCULES - 50,000 LBS RH



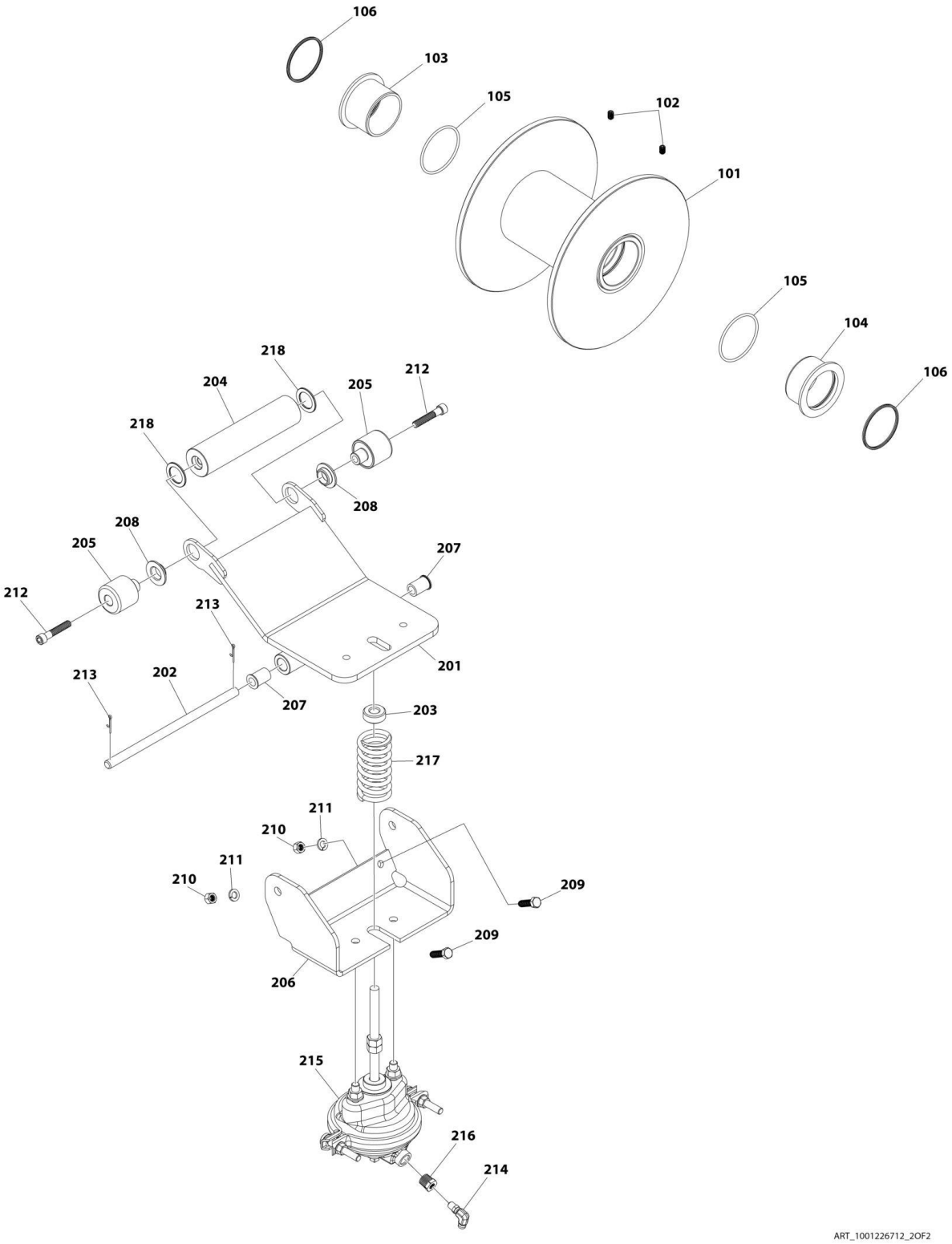

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FIGURE 2-31. RAMSEY HERCULES - 50,000 LBS RH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001226712	Ref	WINCH ASSEMBLEY - 50K RAMSY - RH	B
1	70070183	1	Assembly, Drum(Includes Items 101-106)	
2	70070184	1	Assembly, Motor Coupling(Includes Items 201-218)	
3	70052915	1	Assembly, Cable Tensioner	
4	70070185	1	Cover, Gear Housing	
5	70070186	2	Plug	
6	70070187	1	Bearing, Gear End	
7	70070188	1	Bearing, Motor End	
8	70050338	2	Key	
9	70050339	1	Clutch	
10	70050340	1	Ring, Retaining	
11	70050396	1	Plate, Retainer	
12	70050342	1	Coupling, Output	
13	70050341	1	Shaft, Input	
14	7105163650	4	Capscrew 3/8 X 4	
15	70050346	2	Capscrew 1/2 X 3-1/2	
16	7115185650	12	Capscrew 1/2 X 7	
17	70070189	2	Capscrew 3/4 X 2	
18	70050347	8	Bolt 1/4 X 2	
20	9120960024	2	Capscrew 1/2 X 1-1/4	
21	7785181200	2	Setscrew 1/2 X 3/4	
22	70050365	2	Nut 3/4	
23	70070190	8	Nut 3/4	
24	70070191	8	Washer 3/4	
25	70050348	1	Washer, Thrust	
26	70070192	4	Bolt 1/2 X 1-1/4	
27	70070193	8	Capscrew 3/4 X 3	
28	70050349	1	Cylinder, Clutch	
29	70050350	1	Piston, Clutch	
30	9443960019	1	Fitting	
33	70053539	1	Fitting	
36	70050351	1	Assembly, Brake	
36A	See Note	NSS	Motor and Gasket (Note: Purchase PN 70050351)	
36B	See Note	NSS	Brake (Note: Purchase PN 70050351)	
36C	See Note	NSS	Key (Note: Purchase PN 70050351)	
36D	See Note	NSS	Adapter (Note: Purchase PN 70050351)	
37	70053529	3	Gasket	
38	9970456008	1	Fitting	
39	70050352	1	Motor, Hydraulic	
40	70050353	1	O-Ring	
41	70070194	1	O-Ring	
42	70070195	2	Plug	
43	70070196	4	Pin	
44	70070197	1	Plate, Logo	
45	70070198	1	Plate	
46	70070199	4	Spacer	
47	70070200	1	Ring, Retaining	
48	70070201	2	Spring	
49	70050357	9	Spring	
50	70070202	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	70053282	1	Valve, Motor Control	
52	70070203	1	Disc, Thrust	
53	70070204	2	Spacer	
54	70050359	1	Assembly, Gearbox	
		Ref	DRUM ASSEMBLY	
101	70070205	1	Drum	
102	7785181200	2	Setscrew 1/2 X 3/4	
103	70053531	1	Bushing	
104	70053532	1	Bushing	
105	70053533	2	O-Ring	
106	70070206	2	Ring, Quad	
		Ref	CABLE TENSIONER ASSEMBLY	
201	70053534	1	Arm, Lever	
202	9691960032	1	Pin	
203	70053535	1	Retainer	
204	70053536	1	Roller	
205	70053537	2	Roller	
206	70070207	1	Bracket	
207	70053538	2	Bushing	
208	70053301	2	Bushing, Tensioner	
209	70050364	2	Capscrew 3/8 X 1-1/4	
210	10050363	2	Nut 3/8	
211	9970418177	2	Washer 3/8	
212	70053302	2	Capscrew	
213	4691960030	2	Pin, Cotter	
214	70053539	1	Fitting	
215	70053540	1	Cylinder, Air	
216	70053541	1	Bushing	
217	70053542	1	Spring	
218	70053303	2	Washer	

SECTION 3 - UNDERLIFT

SECTION 3 - UNDERLIFT

FIGURE 3-1. UNDERLIFT INSTALLATION - UL530

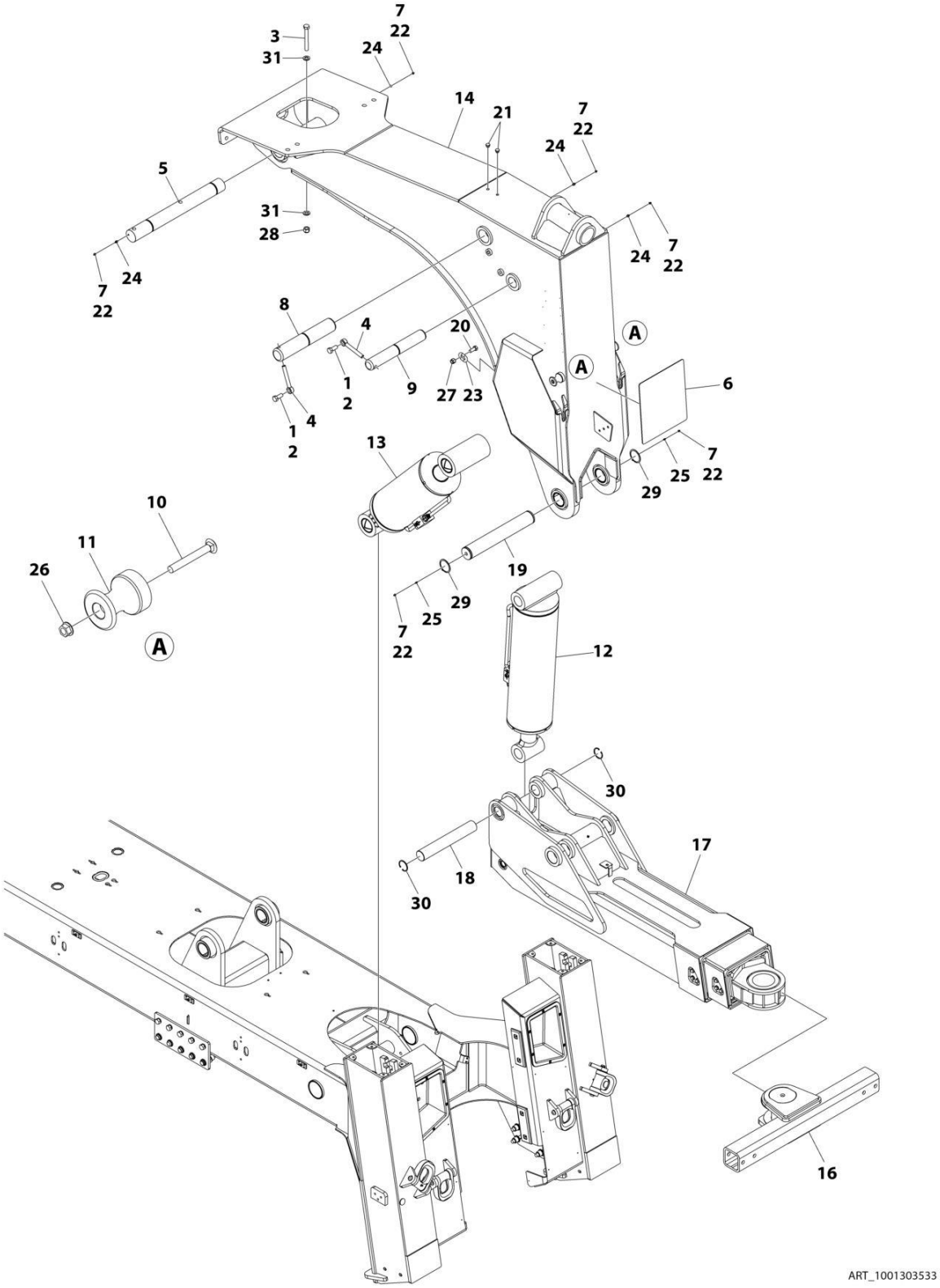


FIGURE 3-1. UNDERLIFT INSTALLATION - UL530

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303533	Ref	UNDERLIFT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0642214	2	Bolt 3/4 x 1-3/4	
3	0682248	1	Bolt 3/4 x 6	
4	3841287	2	Rod, Keeper	
5	1001128697	1	Pin	
6	1001151050	1	Decal - Knee Boom Wear	
7	1001152707	AR	Lubricant	
8	1001222351	1	Pin	
9	1001222355	1	Pin	
10	1001251627	2	Bolt, Carriage 3/8 x 3	
11	1001251870	2	Roller, Chain	
12	1001283839	1	Cylinder Assembly - Tilt (See Separate Breakdown in this Section)	
13	1001284481	1	Cylinder Assembly - Lift (See Separate Breakdown in this Section)	
14	1001295549	1	Boom, Knee	
15	1001295911	Ref	Hydraulic Tube Installation (See Separate Breakdown in HYDRAULIC Section)	
16	2503880012	Ref	Crosstube Installation (See Separate Breakdown in this Section)	
17	3507100001	1	Underlift Assembly (See Separate Breakdown in this Section)	
18	4691000290	1	Pin	
19	4691000291	1	Pin	
20	7115201250	2	Bolt 5/8 x 1-1/2	
21	7189000017	2	Bumper	
22	7253000002	6	Cap, Grease	
23	7262000025	2	Chain	
24	7440000000	4	Fitting, Grease	
25	7440030000	2	Fitting, Grease	
26	7660162301	2	Nut 3/8	
27	7660202601	2	Nut 5/8	
28	7660222601	1	Nut 3/4	
29	7754000018	2	Ring, Retaining	
30	7754000051	2	Ring, Retaining	
31	7950220141	2	Washer 3/4	

FIGURE 3-2. UNDERLIFT INSTALLATION - UL565 (COACH)

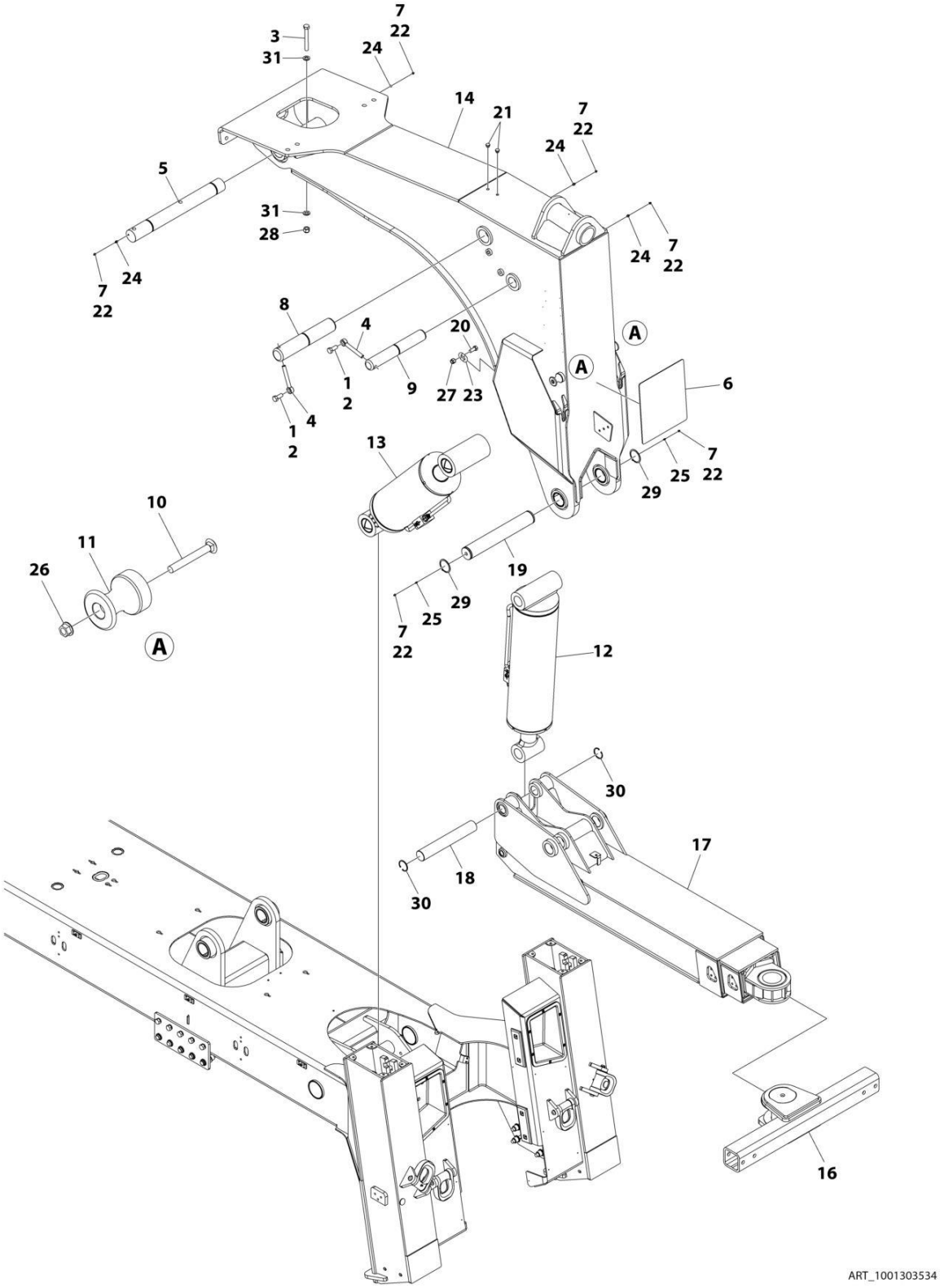


FIGURE 3-2. UNDERLIFT INSTALLATION - UL565 (COACH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303534	Ref	UNDERLIFT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0642214	2	Bolt 3/4 x 1-3/4	
3	0682248	1	Bolt 3/4 x 6	
4	3841287	2	Rod, Keeper	
5	1001128697	1	Pin	
6	1001151050	1	Decal - Knee Boom Wear	
7	1001152707	AR	Lubricant	
8	1001222351	1	Pin	
9	1001222355	1	Pin	
10	1001251627	2	Bolt, Carriage 3/8 x 3	
11	1001251870	2	Roller, Chain	
12	1001283839	1	Cylinder Assembly - Tilt (See Separate Breakdown in this Section)	
13	1001284481	1	Cylinder Assembly - Lift (See Separate Breakdown in this Section)	
14	1001295549	1	Boom, Knee	
15	1001295911	Ref	Hydraulic Tube Installation (See Separate Breakdown in HYDRAULIC Section)	
16	2503880012	Ref	Crosstube Installation (See Separate Breakdown in this Section)	
17	3170000407	1	Underlift Assembly (See Separate Breakdown in this Section)	
18	4691000290	1	Pin	
19	4691000291	1	Pin	
20	7115201250	2	Bolt 5/8 x 1-1/2	
21	7189000017	2	Bumper	
22	7253000002	6	Cap, Grease	
23	7262000025	2	Chain	
24	7440000000	4	Fitting, Grease	
25	7440030000	2	Fitting, Grease	
26	7660162301	2	Nut 3/8	
27	7660202601	2	Nut 5/8	
28	7660222601	1	Nut 3/4	
29	7754000018	2	Ring, Retaining	
30	7754000051	2	Ring, Retaining	
31	7950220141	2	Washer 3/4	

FIGURE 3-3. UNDERLIFT INSTALLATION - UL565 (COACH - 4 PIECE)

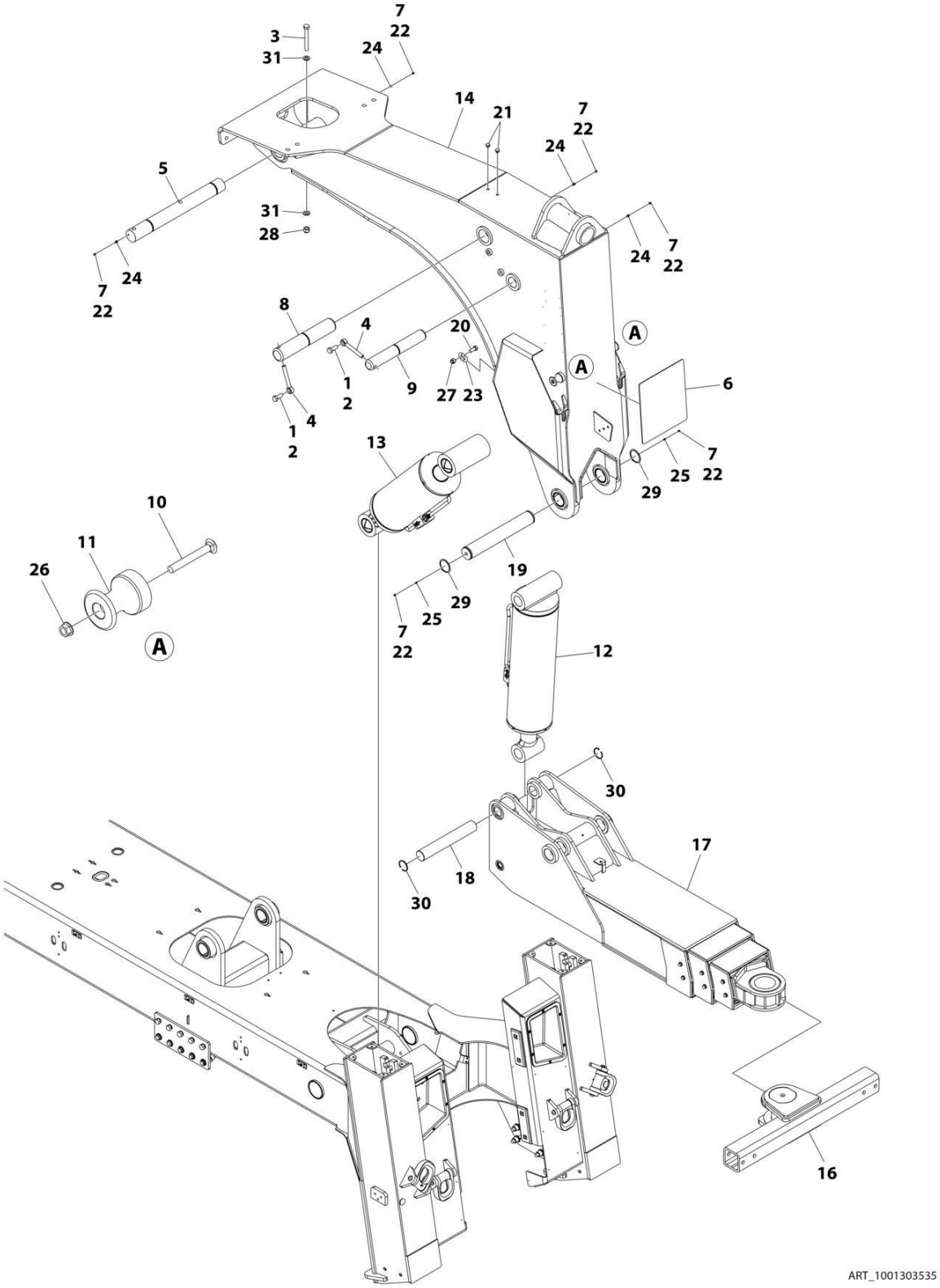


FIGURE 3-3. UNDERLIFT INSTALLATION - UL565 (COACH - 4 PIECE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303535	Ref	UNDERLIFT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0642214	2	Bolt 3/4 x 1-3/4	
3	0682248	1	Bolt 3/4 x 6	
4	3841287	2	Rod, Keeper	
5	1001128697	1	Pin	
6	1001151050	1	Decal - Knee Boom Wear	
7	1001152707	AR	Lubricant	
8	1001222351	1	Pin	
9	1001222355	1	Pin	
10	1001251627	2	Bolt, Carriage 3/8 x 3	
11	1001251870	2	Roller, Chain	
12	1001283839	1	Cylinder Assembly - Tilt (See Separate Breakdown in this Section)	
13	1001284481	1	Cylinder Assembly - Lift (See Separate Breakdown in this Section)	
14	1001295549	1	Boom, Knee	
15	1001295911	Ref	Hydraulic Tube Installation (See Separate Breakdown in HYDRAULIC Section)	
16	2503880012	Ref	Crosstube Installation (See Separate Breakdown in this Section)	
17	3170000381	1	Underlift Assembly (See Separate Breakdown in this Section)	
18	4691000290	1	Pin	
19	4691000291	1	Pin	
20	7115201250	2	Bolt 5/8 x 1-1/2	
21	7189000017	2	Bumper	
22	7253000002	6	Cap, Grease	
23	7262000025	2	Chain	
24	7440000000	4	Fitting, Grease	
25	7440030000	2	Fitting, Grease	
26	7660162301	2	Nut 3/8	
27	7660202601	2	Nut 5/8	
28	7660222601	1	Nut 3/4	
29	7754000018	2	Ring, Retaining	
30	7754000051	2	Ring, Retaining	
31	7950220141	2	Washer 3/4	

FIGURE 3-4. UNDERLIFT INSTALLATION - UL500LP

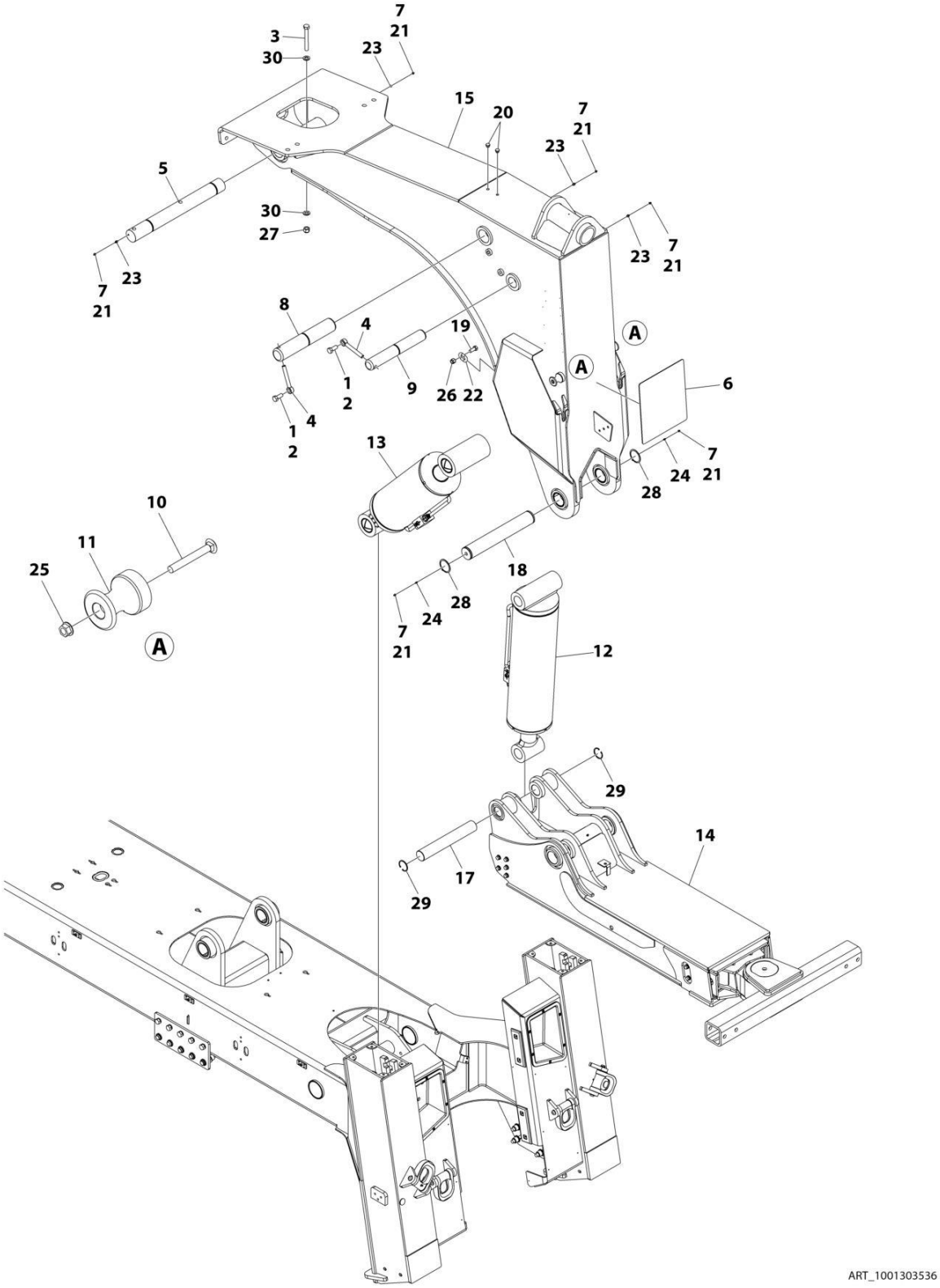


FIGURE 3-4. UNDERLIFT INSTALLATION - UL500LP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303536	Ref	UNDERLIFT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0642214	2	Bolt 3/4 x 1-3/4	
3	0682248	1	Bolt 3/4 x 6	
4	3841287	2	Rod, Keeper	
5	1001128697	1	Pin	
6	1001151050	1	Decal - Knee Boom Wear	
7	1001152707	AR	Lubricant	
8	1001222351	1	Pin	
9	1001222355	1	Pin	
10	1001251627	2	Bolt, Carriage 3/8 x 3	
11	1001251870	2	Roller, Chain	
12	1001283839	1	Cylinder Assembly - Tilt (See Separate Breakdown in this Section)	
13	1001284481	1	Cylinder Assembly - Lift (See Separate Breakdown in this Section)	
14	1001291994	1	Underlift Assembly (See Separate Breakdown in this Section)	
15	1001295549	1	Boom, Knee	
16	1001295911	Ref	Hydraulic Tube Installation (See Separate Breakdown in HYDRAULIC Section)	
17	4691000290	1	Pin	
18	4691000291	1	Pin	
19	7115201250	2	Bolt 5/8 x 1-1/2	
20	7189000017	2	Bumper	
21	7253000002	6	Cap, Grease	
22	7262000025	2	Chain	
23	7440000000	4	Fitting, Grease	
24	7440030000	2	Fitting, Grease	
25	7660162301	2	Nut 3/8	
26	7660202601	2	Nut 5/8	
27	7660222601	1	Nut 3/4	
28	7754000018	2	Ring, Retaining	
29	7754000051	2	Ring, Retaining	
30	7950220141	2	Washer 3/4	

FIGURE 3-5. UNDERLIFT ASSEMBLY- 53000LBS (UL530)

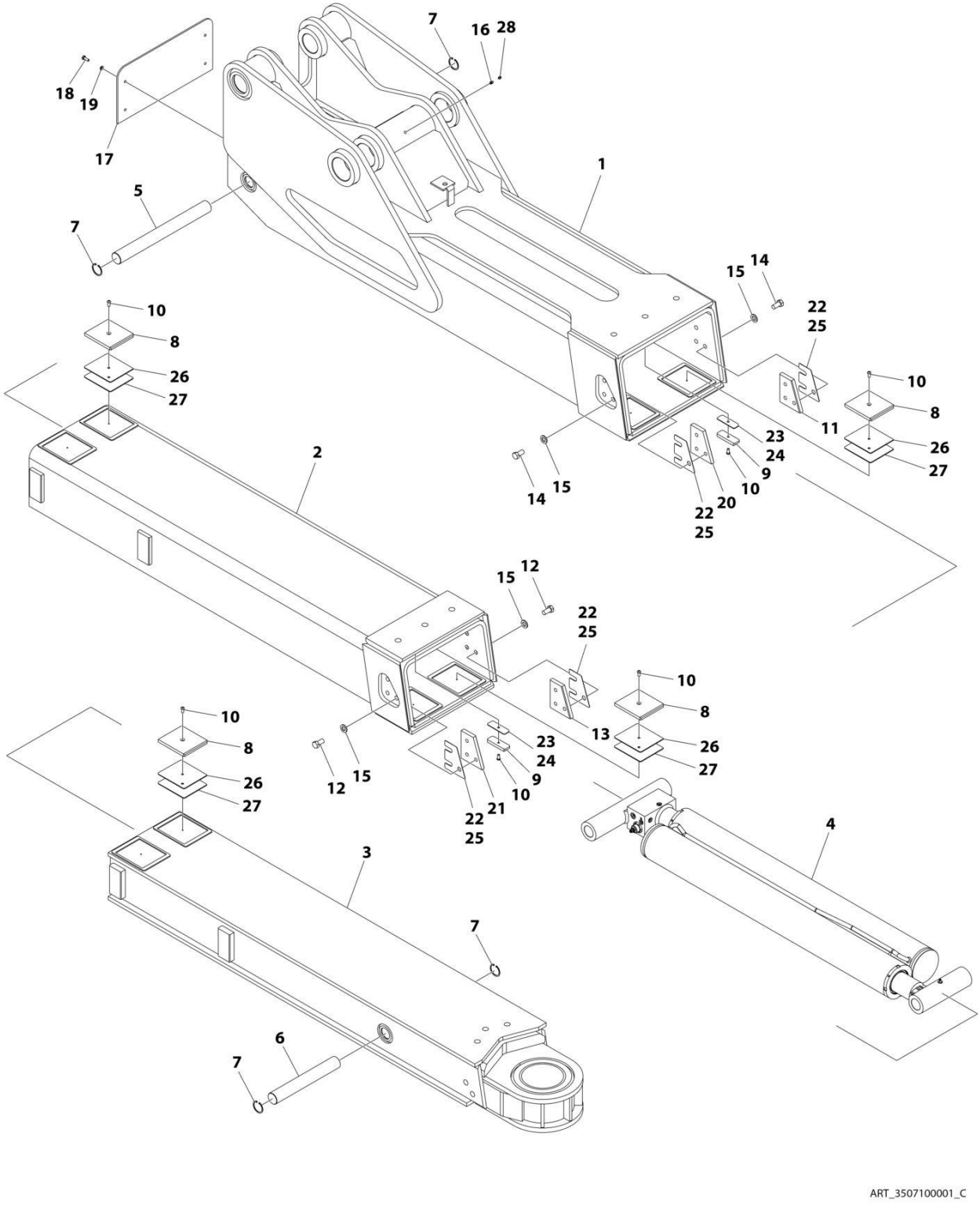


FIGURE 3-5. UNDERLIFT ASSEMBLY- 53000LBS (UL530)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3507100001	Ref	UNDERLIFT ASSEMBLY - 53,000 LBS	C
1	3170000125	1	Base Section Boom Weldment	
2	3170000124	1	Mid Section Boom Weldment	
3	3170000123	1	Fly Section Boom Weldment	
4	1001286137	1	Underlift Extension Cylinder Assembly (See Separate Breakdown in this Section)	
5	4691000292	1	Pin	
6	4691000293	1	Pin	
7	7754000043	4	Ring, Retaining	
8	4679000146	8	Pad	
9	4679000147	2	Pad	
10	7114140518	10	Capscrew 1/4 x 5/8	
11	4706002209	1	Plate	
12	7108181050	6	Capscrew 1/2 x 1-1/4	
13	4706002208	1	Plate	
14	7108180850	6	Capscrew 1/2 x 1	
15	7950180153	12	Washer 1/2	
16	7440030000	1	Fitting, Grease	
17	4706002207	1	Plate	
18	7115140650	4	Capscrew 1/4 x 3/4	
19	7950140000	4	Washer 1/4	
20	4706002211	1	Plate	
21	4706002210	1	Plate	
22	4812000057	4	Shim	
23	4706003708	2	Plate	
24	4706003709	2	Plate	
25	4706003710	4	Plate	
26	4706003717	8	Plate	
27	4706003718	8	Plate	
28	7253000002	3	Cap, Grease Fitting	

FIGURE 3-6. UNDERLIFT ASSEMBLY - COACH (UL565)

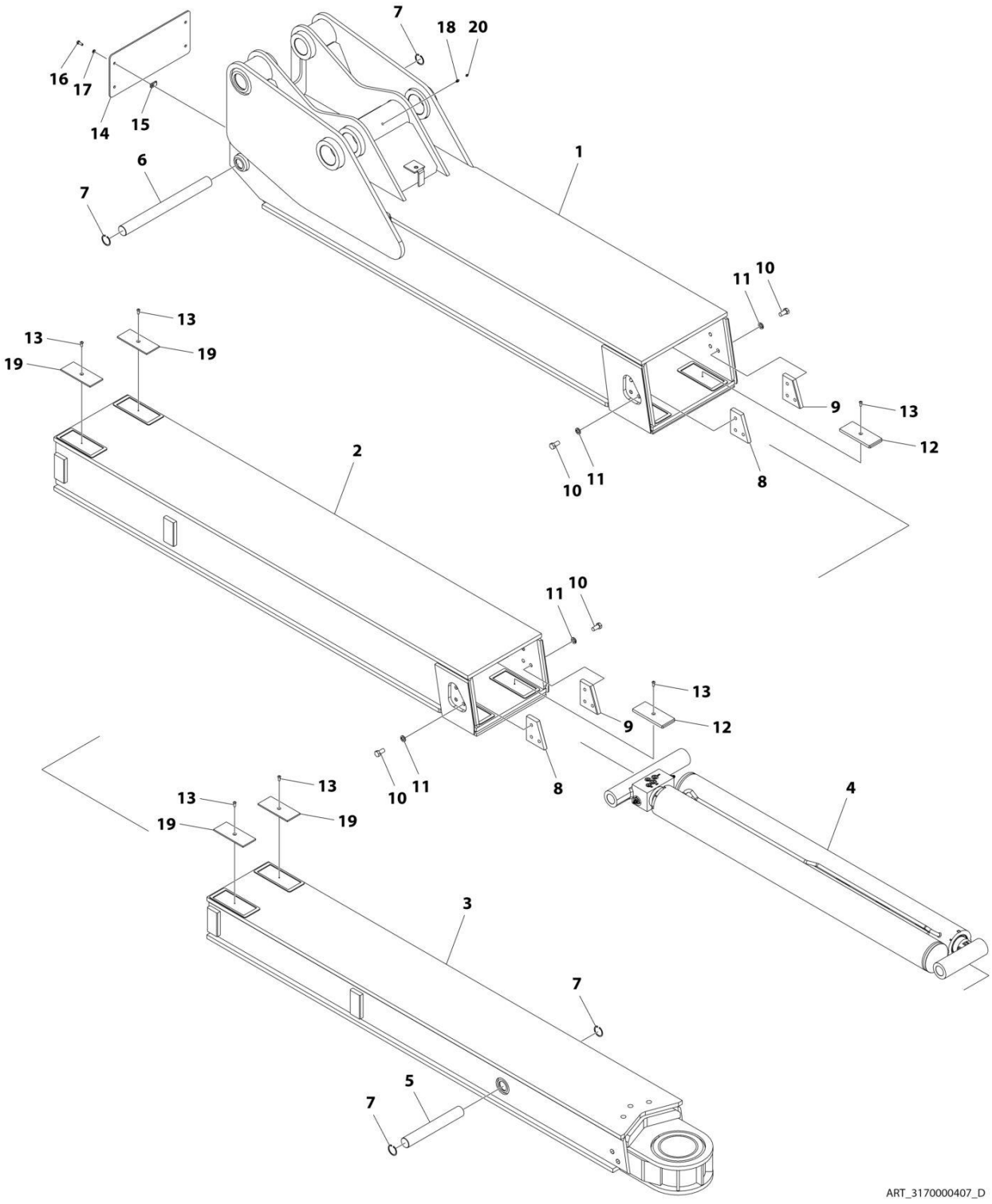


FIGURE 3-6. UNDERLIFT ASSEMBLY - COACH (UL565)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3170000407	Ref	UNDERLIFT ASSEMBLY - 3 PIECE 48K LBS	D
1	3170000400	1	Base Section Boom Weldment	
2	3170000401	1	Mid Section Boom Weldment	
3	3170000406	1	Fly Section Boom Weldment	
4	1001286138	1	Underlift Extension Cylinder Assembly (See Separate Breakdown in this Section)	
5	4691000293	1	Pin	
6	4691000321	1	Pin	
7	7754000043	4	Ring, Retaining	
8	4706005262	2	Plate	
9	4706005263	2	Plate	
10	7108180850	12	Capscrew 1/2 x 1	
11	7950180000	12	Washer 19/32	
12	4679000277	4	Pad	
13	7114140518	8	Capscrew 1/4 x 5/8	
14	4706005281	1	Plate	
15	7661000019	4	U-Nut 1/4	
16	7115140650	4	Capscrew 1/4 x 3/4	
17	7950140000	4	Washer 1/4	
18	7440030000	1	Fitting, Grease	
19	4679000293	4	Pad	
20	7253000002	3	Cap, Grease Fitting	

SECTION 3 - UNDERLIFT

FIGURE 3-7. UNDERLIFT ASSEMBLY - 4 PIECE (UL565)

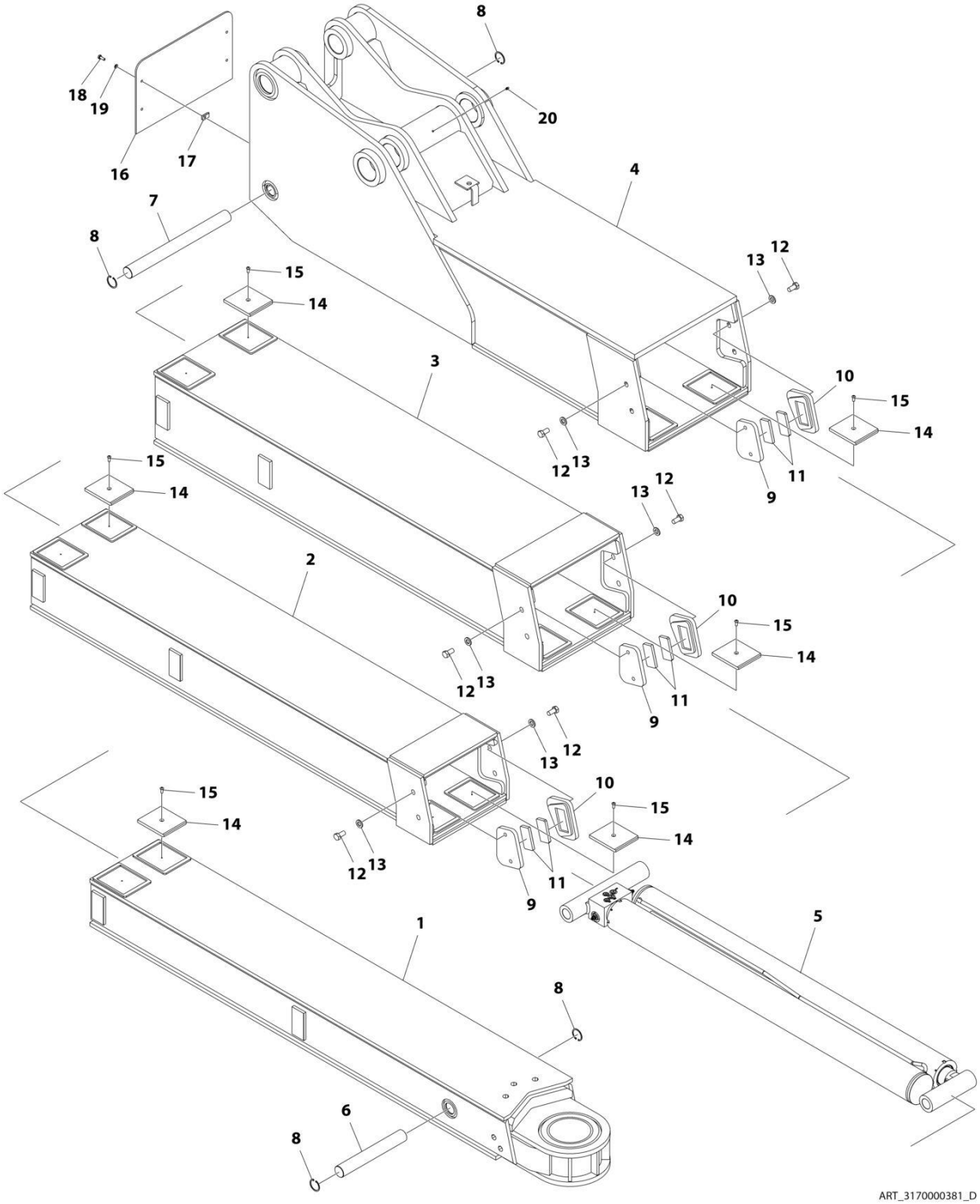


FIGURE 3-7. UNDERLIFT ASSEMBLY - 4 PIECE (UL565)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3170000381	Ref	BOOM ASSEMBLY 4 PIECE	D
1	3170000379	1	Fly Section Boom Weldment	
2	3170000380	1	2nd Stage Boom Weldment	
3	3170000178	1	3rd Stage Boom Weldment	
4	3170000179	1	Base Section Boom Weldment	
5	1001286139	1	Underlift Extension Cylinder Assembly (See Separate Breakdown in this Section)	
6	4691000293	1	Pin	
7	4691000321	1	Pin	
8	7754000043	4	Ring, Retaining	
9	3178000273	3	Bracket LH	
10	3178000275	3	Bracket RH	
11	4679000170	6	Pad	
12	7108180850	12	Capscrew 1/2 x 1	
13	7950180153	12	Washer 1/2	
14	4679000146	12	Pad	
15	7114140518	12	Capscrew 1/4 x 5/8	
16	4706002428	1	Plate	
17	7661000019	4	U-Nut 1/4	
18	7115140650	4	Capscrew 1/4 x 3/4	
19	7950140000	4	Washer 1/4	
20	7440030000	1	Fitting, Grease	

FIGURE 3-8. UNDERLIFT ASSEMBLY- (UL500LP)

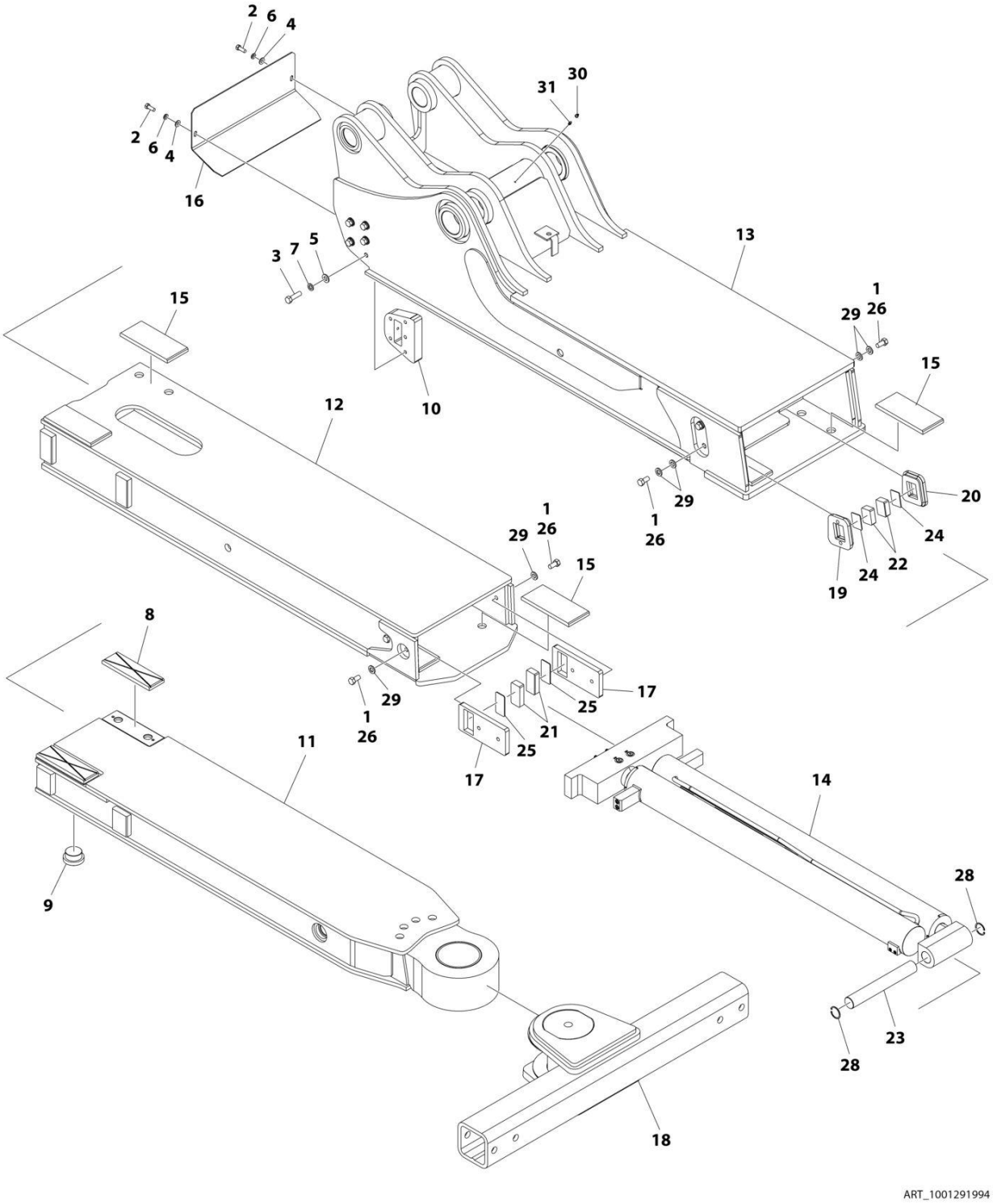


FIGURE 3-8. UNDERLIFT ASSEMBLY- (UL500LP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001291994	Ref	BOOM ASSEMBLY 4 PIECE - 56,500 LBS	C
1	0100011	AR	Compound Locking	
2	0641608	2	Bolt 3/8 x 1	
3	0641814	10	Bolt 1/2 x 1-3/4	
4	4711600	2	Washer 3/8	
5	4711800	10	Washer 1/2	
6	4761600	2	Washer 3/8	
7	4761800	10	Washer 1/2	
8	1001246893	2	Pad	
9	1001263992	2	Pad	
10	1001266446	2	Mount, UL Base	
11	1001291995	1	Fly, Underlift Boom	
12	1001291996	1	Mid, Underlift Boom	
13	1001291997	1	Base, Underlift Boom	
14	1001292166	1	Underlift Extend Cylinder Assembly (See Separate Breakdown in this Section)	
15	1001293966	6	Pad	
16	1001293981	1	Plate	
17	1001294073	2	Plate	
18	2503880012	1	Crosstube Installation (See Separate Breakdown in this Section)	
19	3706000177	1	Plate	
20	3706000178	1	Plate	
21	4679000205	2	Pad	
22	4679000206	2	Pad	
23	4691000293	1	Pin	
24	4706003144	2	Plate	
25	4706003719	2	Plate	
26	7105180850	8	Bolt 1/2 x 1	
28	7754000043	2	Ring, Retaining	
29	7950180153	12	Washer 1/2	
30	7253000002	1	Grease Fitting Cap	
31	7440030000	1	Grease Fitting	
32	1001116761	AR	Lubricant	

FIGURE 3-9. CYLINDER ASSEMBLY - EXTEND/RETRACT (UL530)

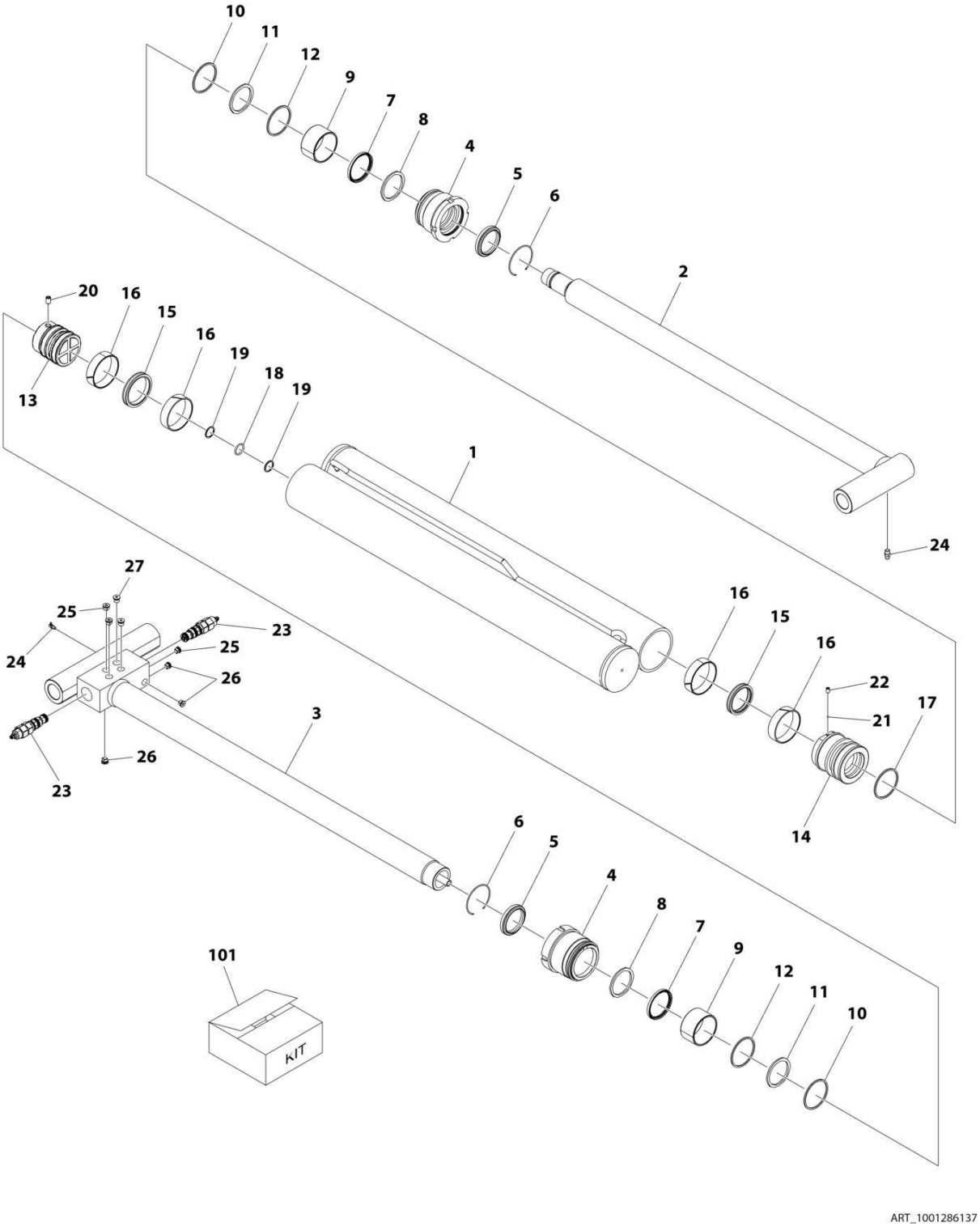


FIGURE 3-9. CYLINDER ASSEMBLY - EXTEND/RETRACT (UL530)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286137	Ref	CYLINDER ASSEMBLY - EXTEND/RETRACT	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not available for purchase)	
2	70070101	1	Rod	
3	70070102	1	Rod	
4	70008161	2	Gland	
5	See Note	NSS	Wiper, Dust (Note: Use Item 101)	
6	70050795	2	Ring, Retaining	
7	See Note	NSS	Seal, Rod (Note: Use Item 101)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
9	70007052	2	Bushing	
10	70006606	2	O-Ring	
11	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
12	See Note	NSS	O-Ring (Note: Use Item 101)	
13	70070103	1	Piston	
14	70010104	1	Piston	
15	See Note	NSS	Seal, Piston (Note: Use Item 101)	
16	See Note	NSS	Ring, Wear (Note: Use Item 101)	
17	See Note	NSS	O-Ring (Note: Use Item 101)	
18	See Note	NSS	O-Ring (Note: Use Item 101)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
20	70005866	1	Set Screw	
21	70022564	1	Steel Ball	
22	70023369	1	Set Screw	
23	70070089	2	Valve, Counterbalance	
24	70029469	2	Grease Nipple	
25	70023370	3	Plug	
26	70070080	3	Plug	
27	70023371	2	Plug	
101	70070105	1	Seal Kit (Includes Items 5, 7, 8, 11, 12, 15-19)	

FIGURE 3-10. CYLINDER ASSEMBLY - EXTEND/RETRACT (UL565 - COACH)

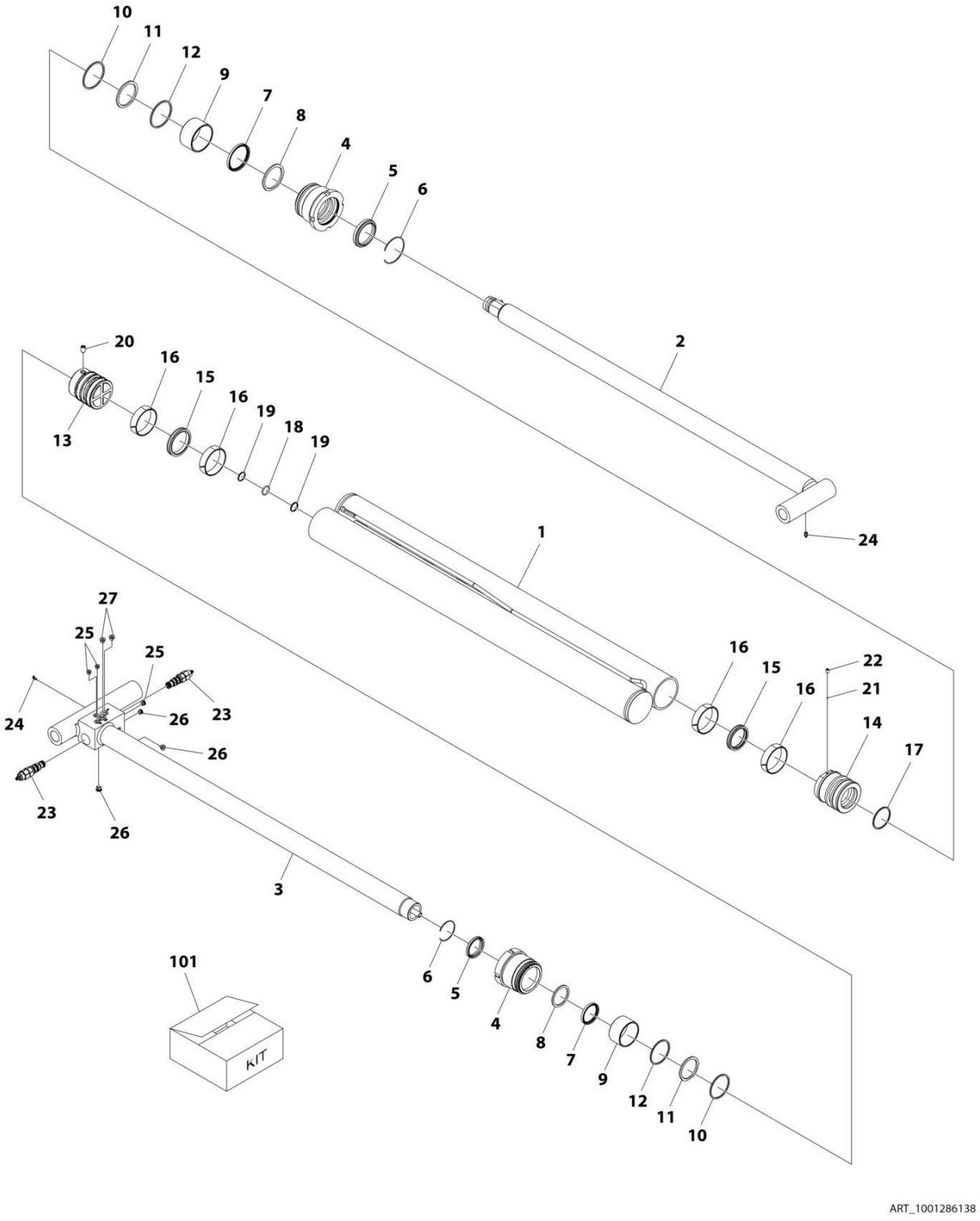


FIGURE 3-10. CYLINDER ASSEMBLY - EXTEND/RETRACT (UL565 - COACH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286138	Ref	CYLINDER ASSEMBLY - EXTEND/RETRACT	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not available for purchase)	
2	70070106	1	Rod	
3	70070107	1	Rod	
4	70008161	2	Gland	
5	See Note	NSS	Wiper, Dust (Note: Use Item 101)	
6	70050795	2	Ring, Retaining	
7	See Note	NSS	Seal, Rod (Note: Use Item 101)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
9	70007052	2	Bushing	
10	70006606	1	O-Ring	
11	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
12	See Note	NSS	O-Ring (Note: Use Item 101)	
13	70070103	1	Piston	
14	70010104	1	Piston	
15	See Note	NSS	Seal, Piston (Note: Use Item 101)	
16	See Note	NSS	Ring, Wear (Note: Use Item 101)	
17	See Note	NSS	O-Ring (Note: Use Item 101)	
18	See Note	NSS	O-Ring (Note: Use Item 101)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
20	70005866	1	Set Screw	
21	70022564	1	Steel Ball	
22	70023369	1	Set Screw	
23	70070089	2	Valve, Counterbalance	
24	70029469	2	Grease Nipple	
25	70023370	3	Plug	
26	70070080	3	Plug	
27	70023371	2	Plug	
101	70070108	1	Seal Kit (Includes Items 5, 7, 8, 11, 12, 15-19)	

FIGURE 3-11. CYLINDER ASSEMBLY - EXTEND/RETRACT (UL565 - 4 PIECE)

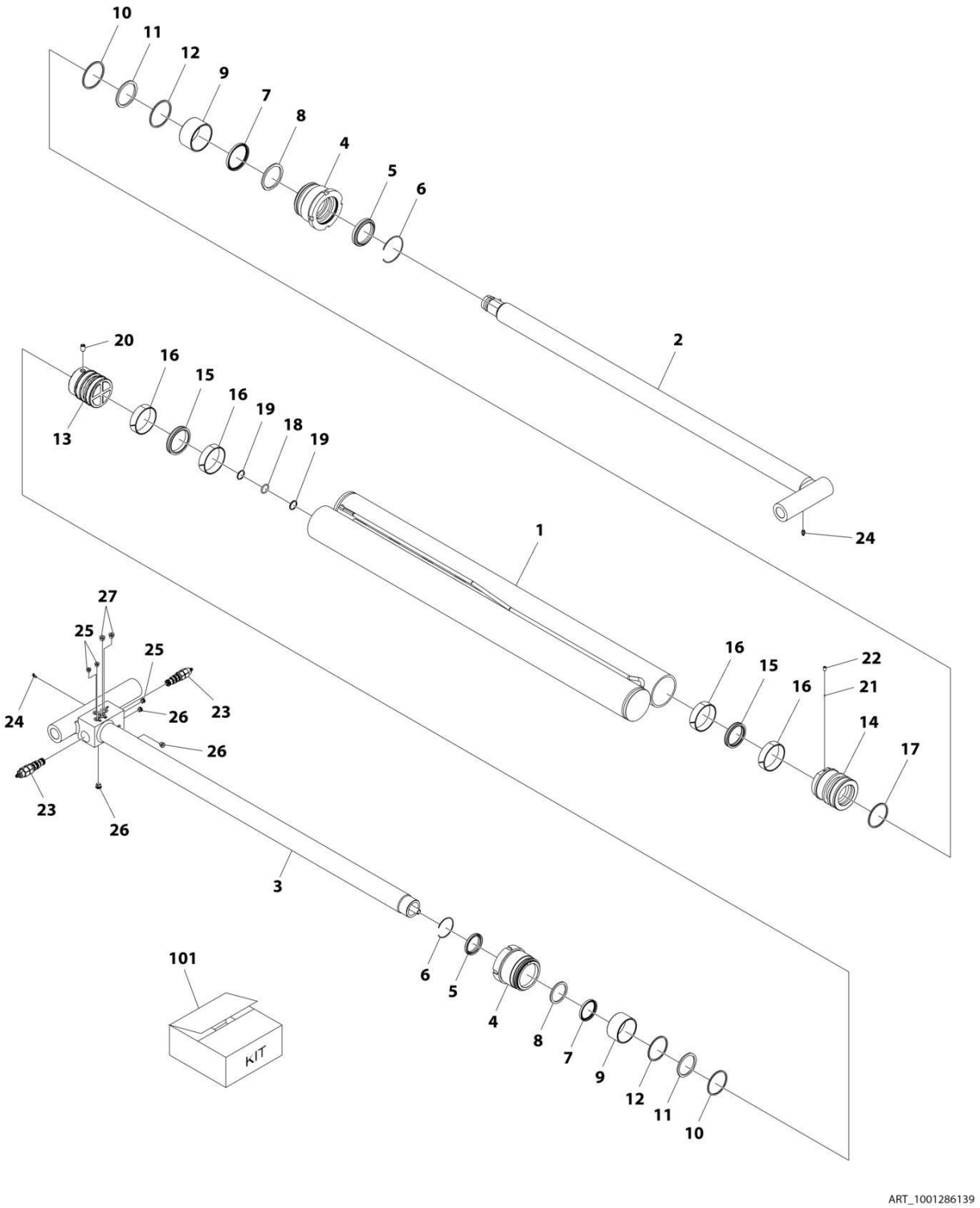


FIGURE 3-11. CYLINDER ASSEMBLY - EXTEND/RETRACT (UL565 - 4 PIECE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286139	Ref	CYLINDER ASSEMBLY - EXTEND/RETRACT	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not available for purchase)	
2	70070109	1	Rod	
3	70070110	1	Rod	
4	70008161	2	Gland	
5	See Note	NSS	Wiper, Dust (Note: Use Item 101)	
6	70050795	2	Ring, Retaining	
7	See Note	NSS	Seal, Rod (Note: Use Item 101)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
9	70007052	2	Bushing	
10	See Note	NSS	O-Ring (Note: Use Item 101)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
12	See Note	NSS	O-Ring (Note: Use Item 101)	
13	70070103	1	Piston	
14	70010104	1	Piston	
15	See Note	NSS	Seal, Piston (Note: Use Item 101)	
16	See Note	NSS	Ring, Wear (Note: Use Item 101)	
17	See Note	NSS	O-Ring (Note: Use Item 101)	
18	See Note	NSS	O-Ring (Note: Use Item 101)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
20	70005866	1	Set Screw	
21	70022564	1	Steel Ball	
22	70023369	1	Set Screw	
23	70070089	2	Valve, Counterbalance	
24	70029469	2	Grease Nipple	
25	70023370	3	Plug	
26	70070080	3	Plug	
27	70023371	2	Plug	
101	70070111	1	Seal Kit (Includes Items 5, 7, 8, 10-12, 15-19)	

FIGURE 3-12. CYLINDER ASSEMBLY - LIFT

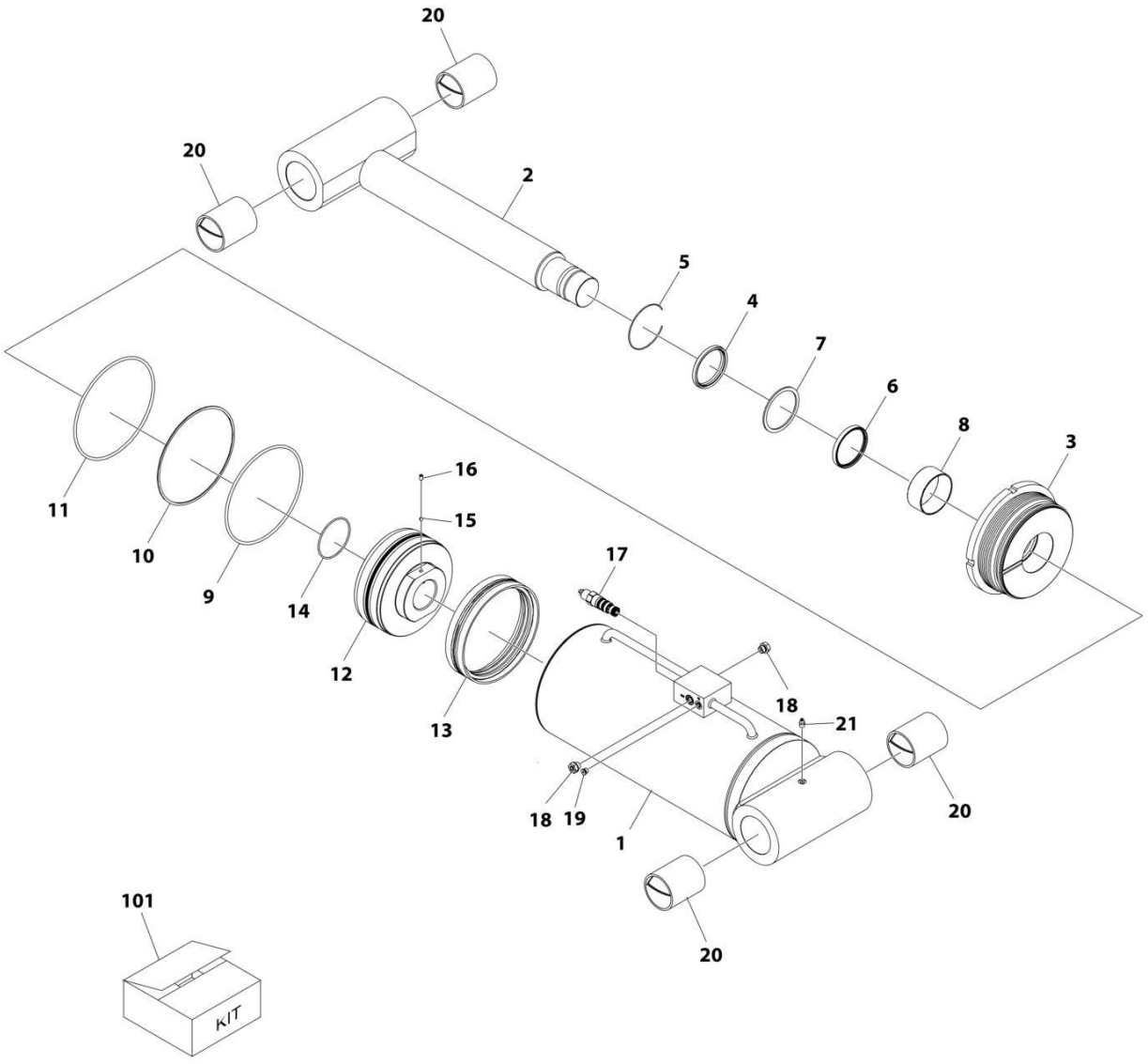


FIGURE 3-12. CYLINDER ASSEMBLY - LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284481	Ref	CYLINDER ASSEMBLY - LIFT	A
	See Note	Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not Available for Purchase)	
2	70070048	1	Rod	
3	70070045	1	Gland	
4	See Note	NSS	Wiper, Dust (Note: Use Item 101)	
5	70023380	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 101)	
7	See Note	NSS	Ring, Backup (Note: Use Item 101)	
8	70007423	1	Bushing	
9	See Note	NSS	O-Ring (Note: Use Item 101)	
10	See Note	NSS	Ring, Backup (Note: Use Item 101)	
11	See Note	NSS	O-Ring (Note: Use Item 101)	
12	70070046	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 101)	
14	See Note	NSS	O-Ring (Note: Use Item 101)	
15	70022564	1	Ball, Steel	
16	70029468	1	Screw, Set	
17	70070042	1	Valve, Counterbalance	
18	70070038	2	Plug, Dust	
19	70023370	1	Plug	
20	70070049	4	Bushing	
21	70029469	1	Grease Nipple	
101	70070050	1	Seal Kit (Includes Items 4, 6, 7, 9-11 & 13, 14)	

FIGURE 3-13. CYLINDER ASSEMBLY - TILT

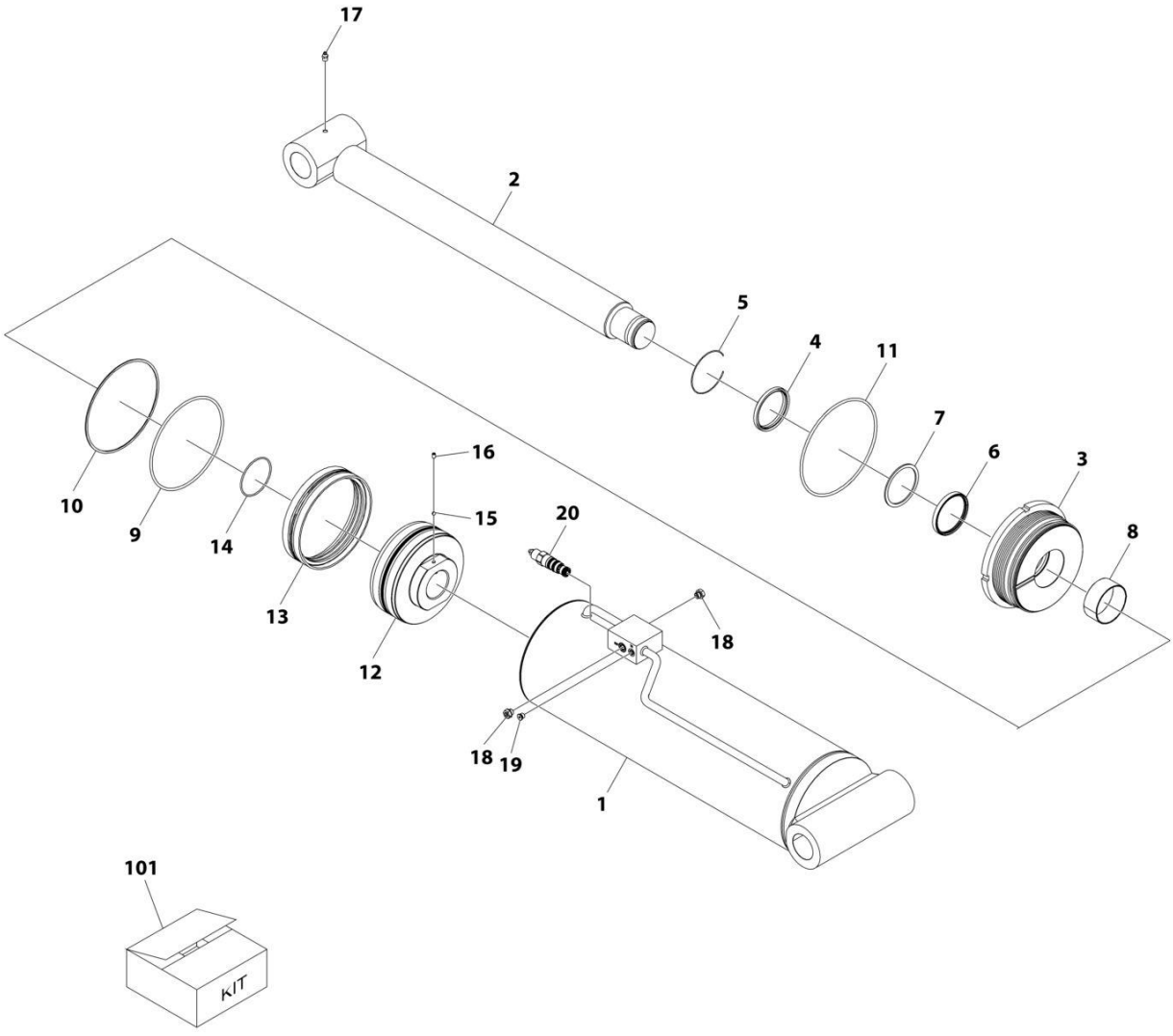


FIGURE 3-13. CYLINDER ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283839	Ref	CYLINDER ASSEMBLY - TILT	A
	See Note	Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not Available for Purchase)	
2	70070044	1	Rod	
3	70070045	1	Gland	
4	See Note	NSS	Wiper, Dust (Note: Use Item 101)	
5	70023380	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 101)	
7	See Note	NSS	Ring, Backup (Note: Use Item 101)	
8	70052522	1	Bushing	
9	See Note	NSS	O-Ring (Note: Use Item 101)	
10	See Note	NSS	Ring, Backup (Note: Use Item 101)	
11	See Note	NSS	O-Ring (Note: Use Item 101)	
12	70070046	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 101)	
14	See Note	NSS	O-Ring (Note: Use Item 101)	
15	70022564	1	Ball, Steel	
16	70029468	1	Screw, Set	
17	70029469	1	Grease Nipple	
18	70070038	2	Plug, Dust	
19	70023370	1	Plug	
20	70070037	1	Valve, Counterbalance	
101	70070047	1	Seal Kit (Includes Items 4, 6, 7, 9-11 & 13, 14)	

FIGURE 3-14. CYLINDER ASSEMBLY - UNDERLIFT 4-PC EXTENSION

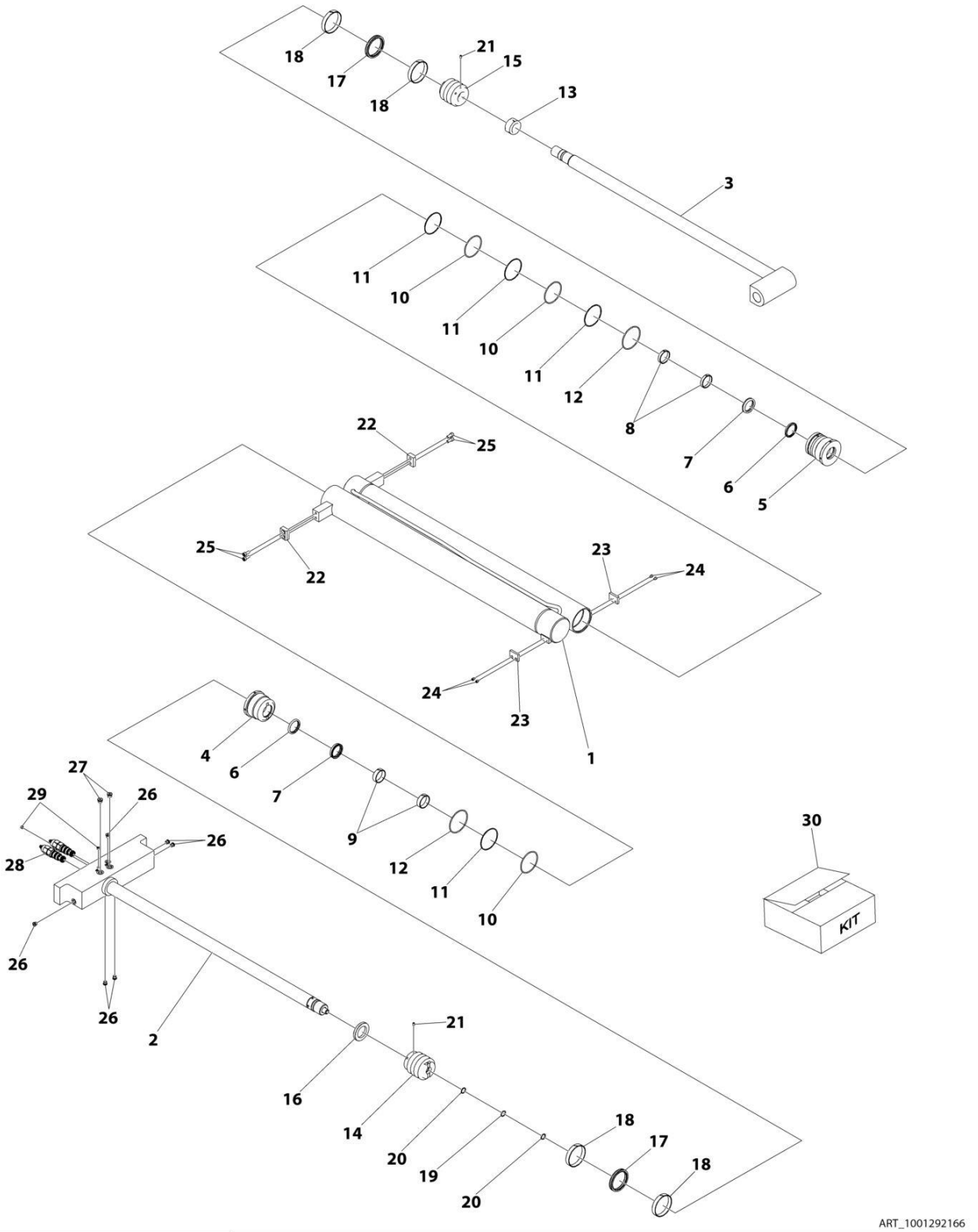


FIGURE 3-14. CYLINDER ASSEMBLY - UNDERLIFT 4-PC EXTENSION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001292166	Ref	CYLINDER ASSEMBLY - UNDERLIFT 4-PC EXTENSION	B
	See Note	Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Not Available for Purchase)	
2	70070167	1	Rod	
3	70070168	1	Rod	
4	70070169	1	Gland	
5	70070170	1	Gland	
6	See Note	NSS	Wiper, Dust (Note: Use Item 101)	
7	See Note	NSS	Seal, Rod (Note: Use Item 101)	
8	See Note	NSS	Ring, Wear (Note: Use Item 101)	
9	See Note	NSS	Ring, Wear (Note: Use Item 101)	
10	See Note	NSS	O-Ring (Note: Use Item 101)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
12	See Note	NSS	O-Ring (Note: Use Item 101)	
13	70070171	1	Ring, Cushion	
14	70070172	1	Piston	
15	70070173	1	Piston	
16	70070174	1	Spacer	
17	See Note	NSS	Seal, Piston (Note: Use Item 101)	
18	See Note	NSS	Ring, Wear (Note: Use Item 101)	
19	See Note	NSS	O-Ring (Note: Use Item 101)	
20	See Note	NSS	Ring, Back-up (Note: Use Item 101)	
21	70005866	2	Set Screw	
22	70070175	2	Pad, Support	
23	70070176	2	Pad, Support	
24	70070177	4	Bolt	
25	70004625	4	Bolt	
26	2220883	6	Plug	
27	2220885	2	Plug	
28	70053204	2	Valve, Counterbalance	
29	70070178	3	Plug	
101	70053254	1	Kit, Seal (Includes Items 6-12, 17-20)	

FIGURE 3-15. CROSSTUBE INSTALLATION

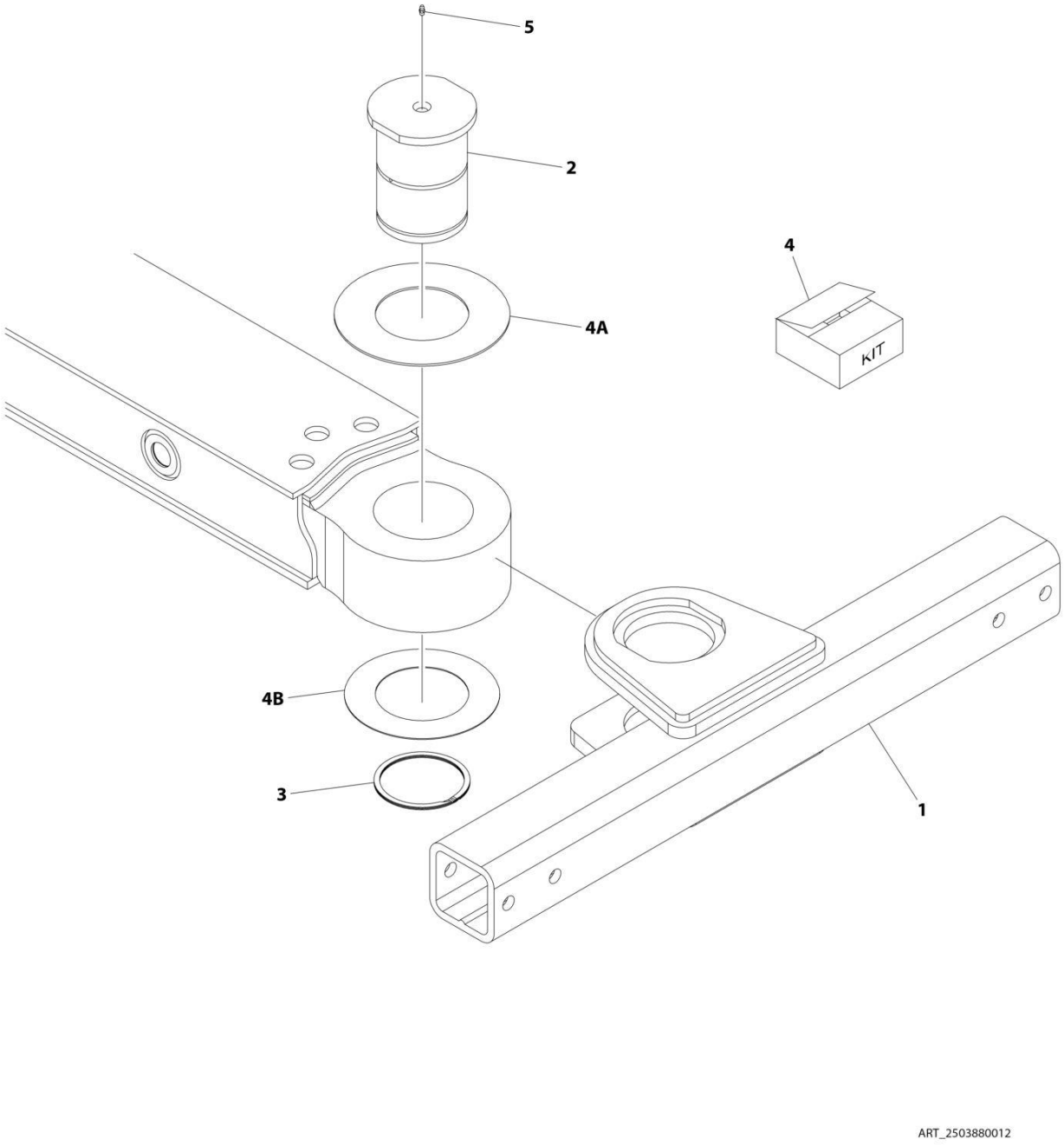


FIGURE 3-15. CROSSTUBE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2503880012	Ref	CROSSTUBE INSTALLATION	A
1	3913000094	1	Crosstube Weldment	
2	4691000242	1	Pin	
3	7754000042	1	Ring, Retaining	
4	3577000018	1	Shim Kit	
4A	4949000041	1	Washer 1/8	
4B	4949000042	1	Washer 1/16	
5	7440030000	1	Grease Fitting	

FIGURE 3-16. FRAME FORK INSTALLATION

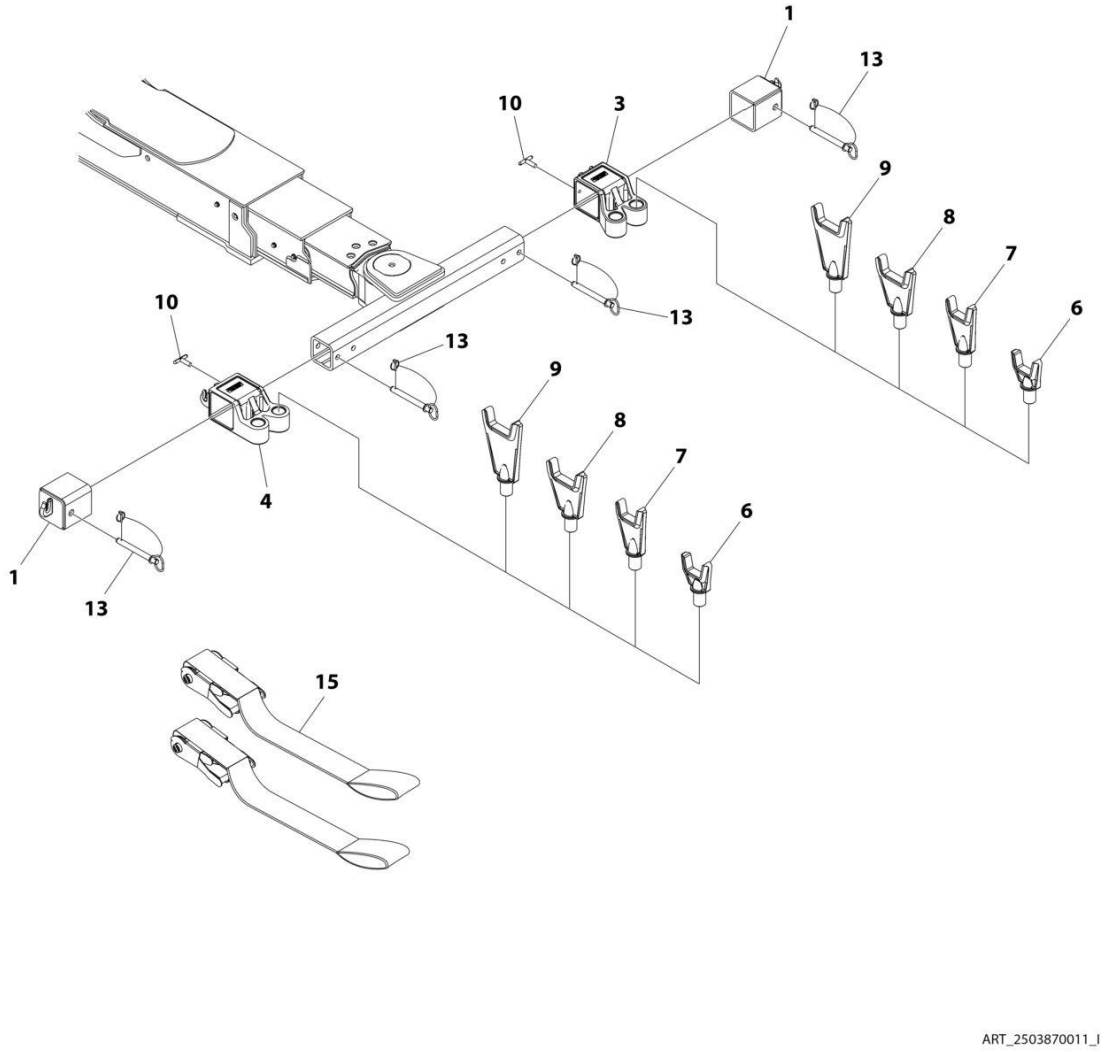
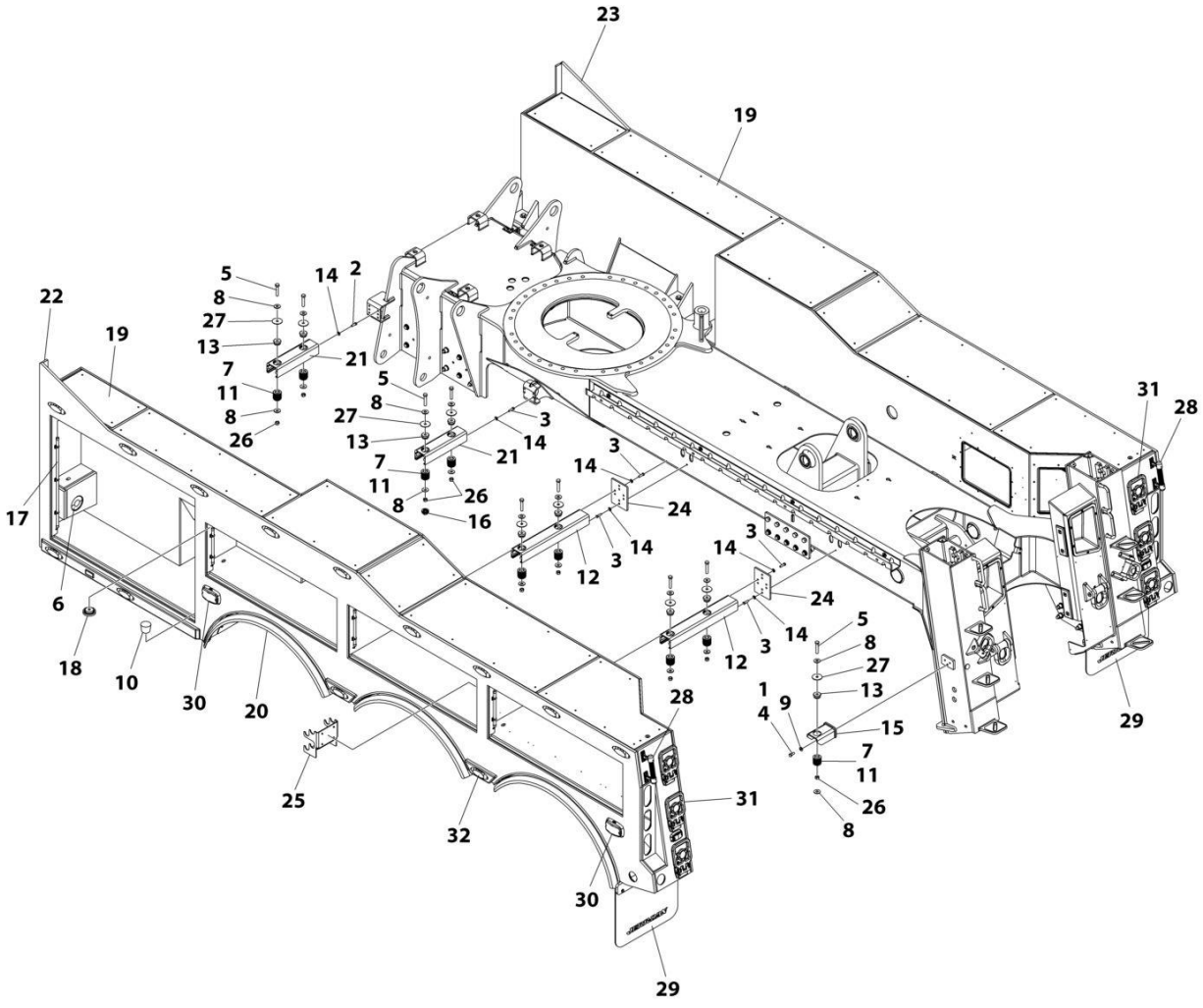


FIGURE 3-16. FRAME FORK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2503870011	Ref	FRAME FORK INSTALLATION	I
1	3007000004	2	Chain Hook Adapter	
3	7007000056	1	Frame Fork Adapter, RH	
4	7007000055	1	Frame Fork Adapter, LH	
6	7454000006	2	Fork, Short	
7	7454000005	2	Fork, Medium	
8	7454000003	2	Fork, Medium	
9	7454000004	2	Fork, Long	
10	3551000036	2	T-Handle	
13	7691000021	4	Pin	
15	1001159568	2	Strap	

SECTION 4 - BODY

FIGURE 4-1. BODY INSTALLATION - TRI-AXLE



ART_1001303541

FIGURE 4-1. BODY INSTALLATION - TRI-AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303541	Ref	BODY INSTALLATION - TRI-AXLE	B
1	0100011	AR	Compound, Locking	
2	0641711	8	Bolt 7/16 x 1-3/8	
3	0641712	36	Bolt 7/16 x 1-1/2	
4	0641810	6	Bolt 1/2 x 1-1/4	
5	0642026	18	Bolt 5/8 x 3-1/4	
6	1120601	6	Cap, Plug	
7	3020039	AR	Lubricant	
8	4752000	36	Washer 5/8	
9	4891800	6	Washer 1/2	
10	1001173847	10	Plug	
11	1001250863	18	Mount	
12	1001250864	4	Bracket	
13	1001250873	18	Mount	
14	1001250875	44	Washer	
15	1001250876	2	Bracket	
16	1001254393	1	Nut	
17	1001306628	1	Compartment Lights Installation (See Separate Breakdown in ELECTRICAL Section)	
18	1001306629	1	Body Lifting Lugs Installation (See Separate Breakdown in this Section)	
19	1001306630	1	Diamond Plate Installation (See Separate Breakdown in this Section)	
20	1001306631	1	Fender Flare and Liner Installation (See Separate Breakdown in this Section)	
21	1001306845	4	Bracket	
22	1001306884	1	Box	
23	1001306885	1	Box	
24	1001306888	4	Plate	
25	1001310931	1	Pin Storage Outriggers Installation (See Separate Breakdown in this Section)	
26	7660200001	18	Nut 5/8	
27	7949000019	18	Washer	
28	1001321674	1	Grab Handel Installation (See Separate Breakdown in this Section)	
29	1001196790	1	Mud Flap Installation (See Separate Breakdown in this Section)	
30	1001212221	1	Flasher Lights Installation - Tri-Axle (See Separate Breakdown in ELECTRICAL Section)	
31	1001321675	1	Step Installation (See Separate Breakdown in this Section)	
32	1001292582	1	Marker Lights Installation - Tri-Axle (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 4-2. BODY LIFTING LUGS INSTALLATION

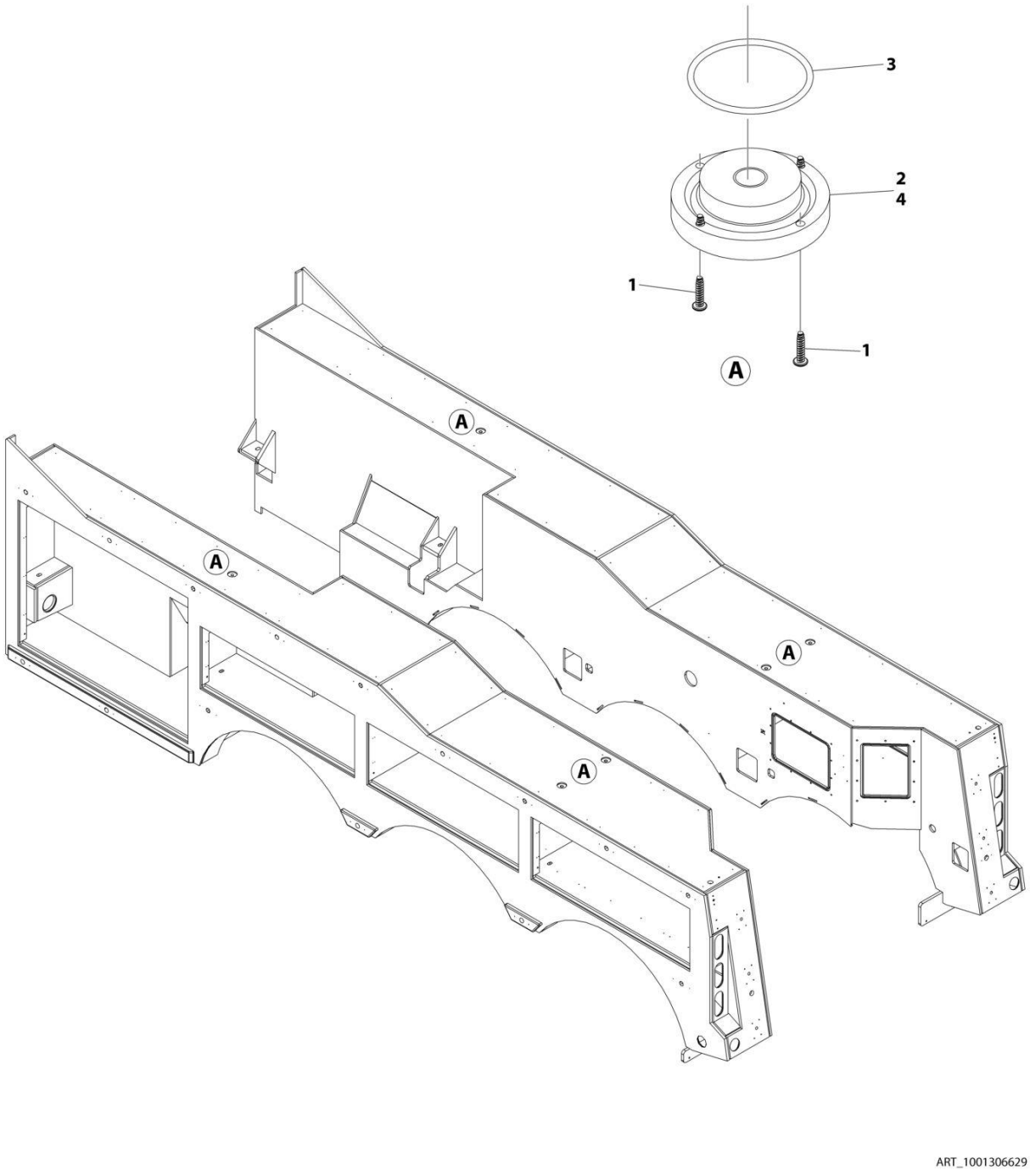


FIGURE 4-2. BODY LIFTING LUGS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306629	Ref	BODY LIFTING LUGS INSTALLATION	A
1	1001196552	24	Screw #8 x 3/4	
2	1001288629	6	Nut	
3	3790230	6	O-Ring	
4	8798820001	AR	Sealant	

FIGURE 4-3. DIAMOND PLATE INSTALLATION - BODY

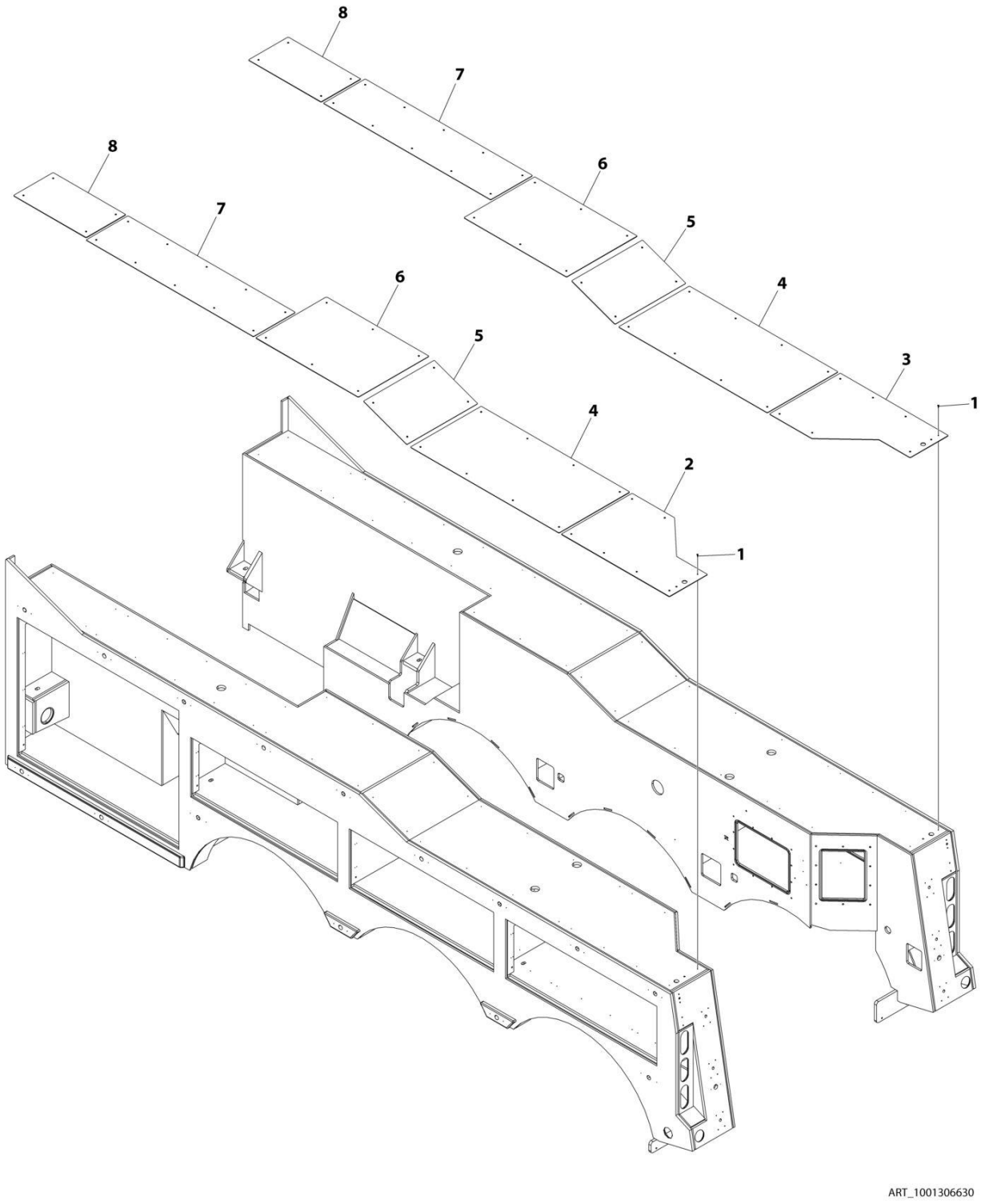
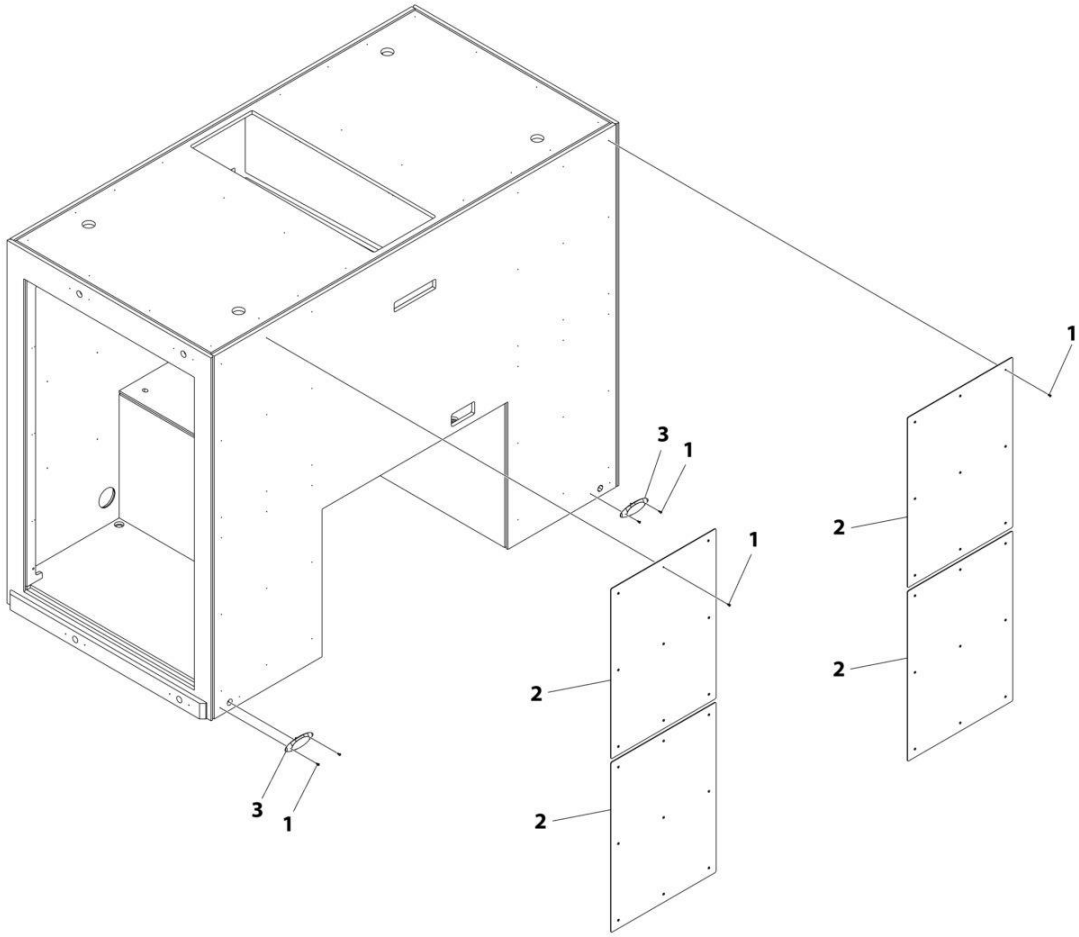


FIGURE 4-3. DIAMOND PLATE INSTALLATION - BODY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306630	Ref	DIAMOND PLATE INSTALLATION	B
1	1001192958	78	Screw #10 x 1/2	
2	1001306632	1	Plate	
3	1001306633	1	Plate	
4	1001306634	2	Plate	
5	1001306635	2	Plate	
6	1001306636	2	Plate	
7	1001306637	2	Plate	
8	1001306638	2	Plate	

FIGURE 4-4. DIAMOND PLATE INSTALLATION - FRONT (TALL TUNNEL)



ART_1001306189

FIGURE 4-4. DIAMOND PLATE INSTALLATION - FRONT (TALL TUNNEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306189	Ref	DIAMOND PLATE INSTALLATION - FRONT	A
1	1001192958	40	Screw #10 x 1/2	
2	1001306124	4	Plate, Front	
3	7590000358	2	Light, LED (Amber)	

FIGURE 4-5. DIAMOND PLATE INSTALLATION - FRONT (SHORT TUNNEL)

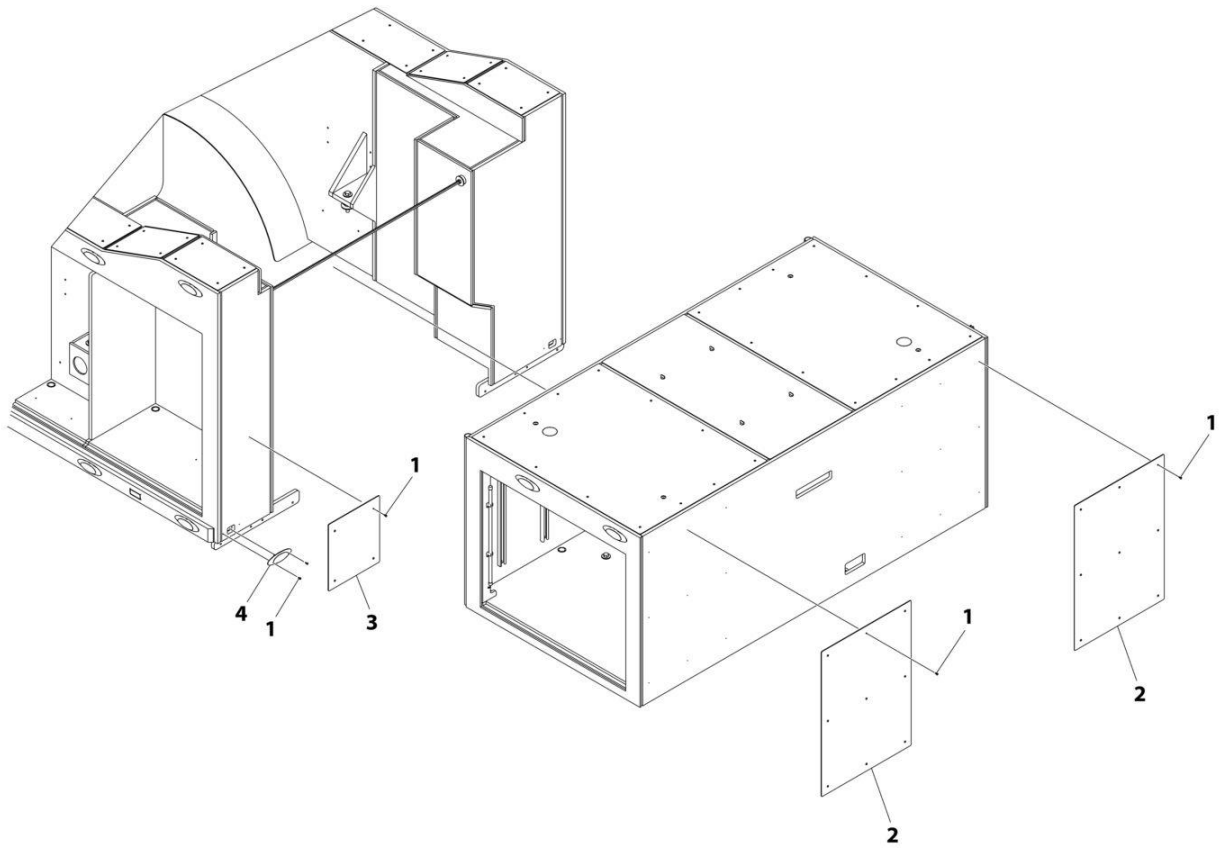


FIGURE 4-5. DIAMOND PLATE INSTALLATION - FRONT (SHORT TUNNEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306190	Ref	DIAMOND PLATE INSTALLATION - FRONT	A
1	1001192958	30	Screw #10 x 1/2	
2	1001306124	2	Plate, Front	
3	1001307487	2	Plate, Front	
4	7590000358	2	Light, LED (Amber)	

FIGURE 4-6. DIAMOND PLATE INSTALLATION - FRONT (56" TANDEM STEER)

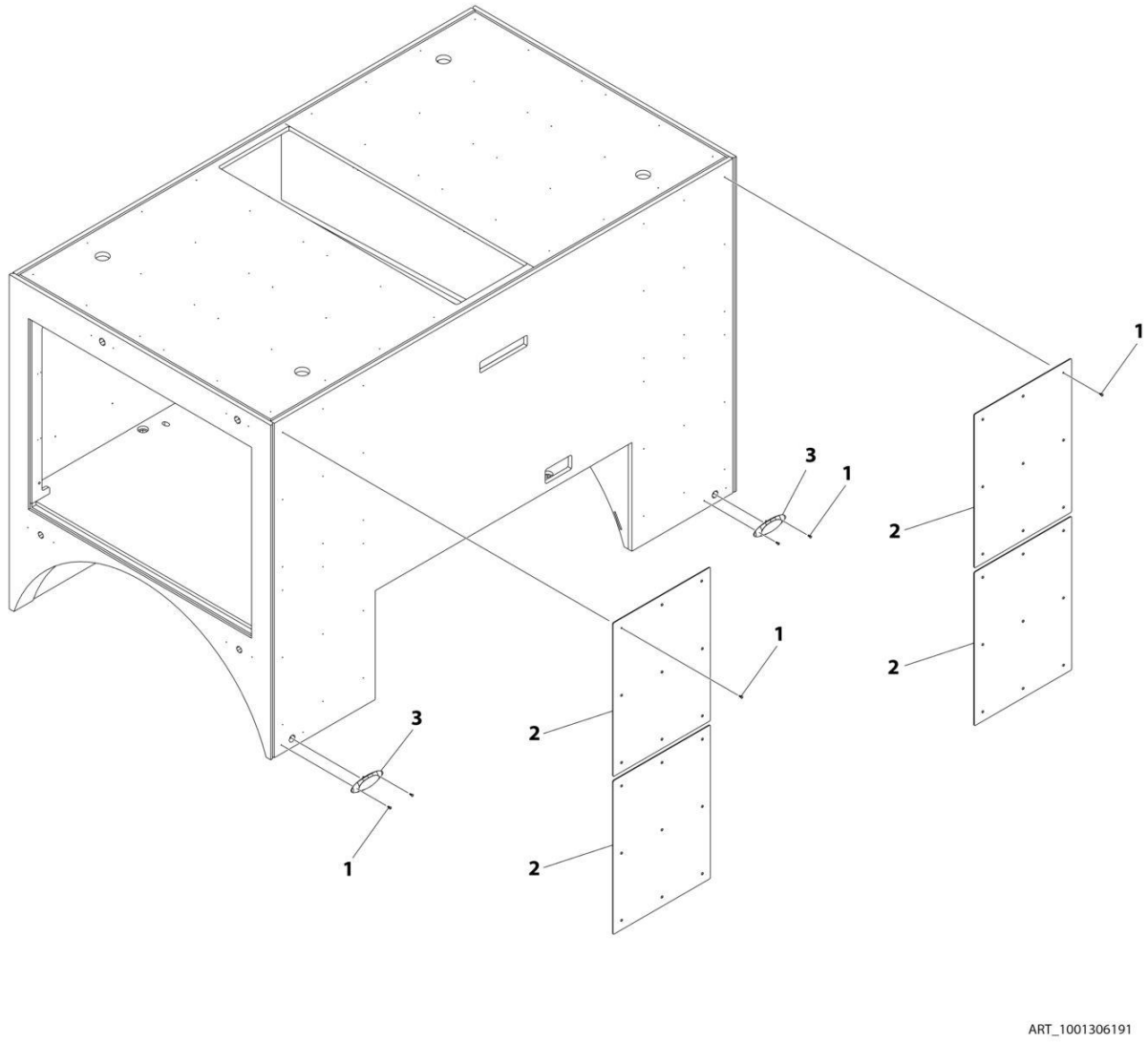


FIGURE 4-6. DIAMOND PLATE INSTALLATION - FRONT (56" TANDEM STEER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306191	Ref	DIAMOND PLATE INSTALLATION - FRONT	A
1	1001192958	40	Screw #10 x 1/2	
2	1001307021	4	Plate, Front	
3	7590000358	2	Light, LED (Amber)	

FIGURE 4-7. DIAMOND PLATE INSTALLATION - SHORT TUNNEL

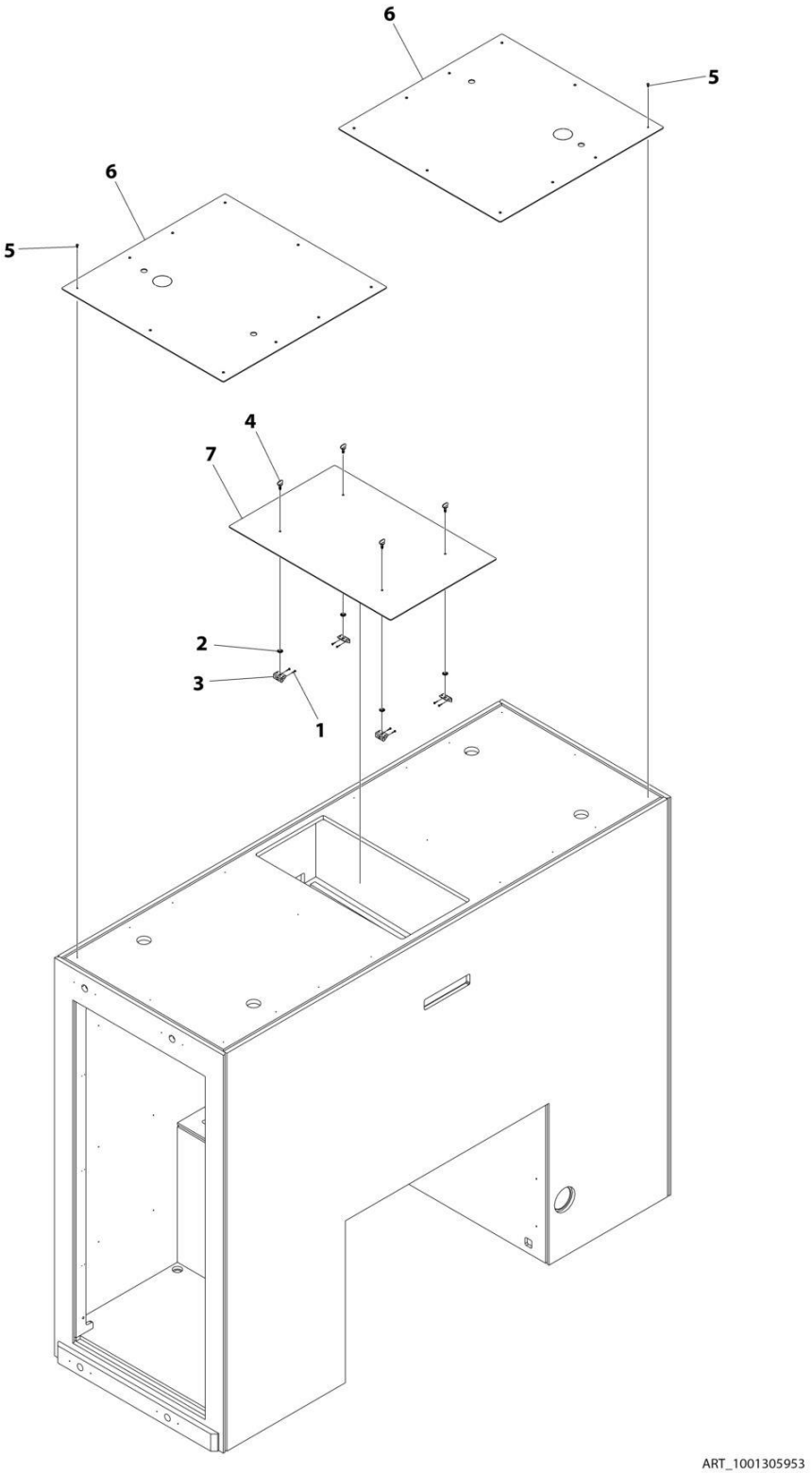


FIGURE 4-7. DIAMOND PLATE INSTALLATION - SHORT TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305953	Ref	DIAMOND PLATE INSTALLATION	A
1	0750605	8	Screw	
2	3760308	4	Ring, Retaining	
3	1001122235	4	Bracket	
4	1001166930	4	Screw, Turn	
5	1001192958	20	Screw #10 x 1/2	
6	1001278517	2	Plate	
7	1001306445	1	Plate	

FIGURE 4-8. DIAMOND PLATE INSTALLATION - TALL TUNNEL

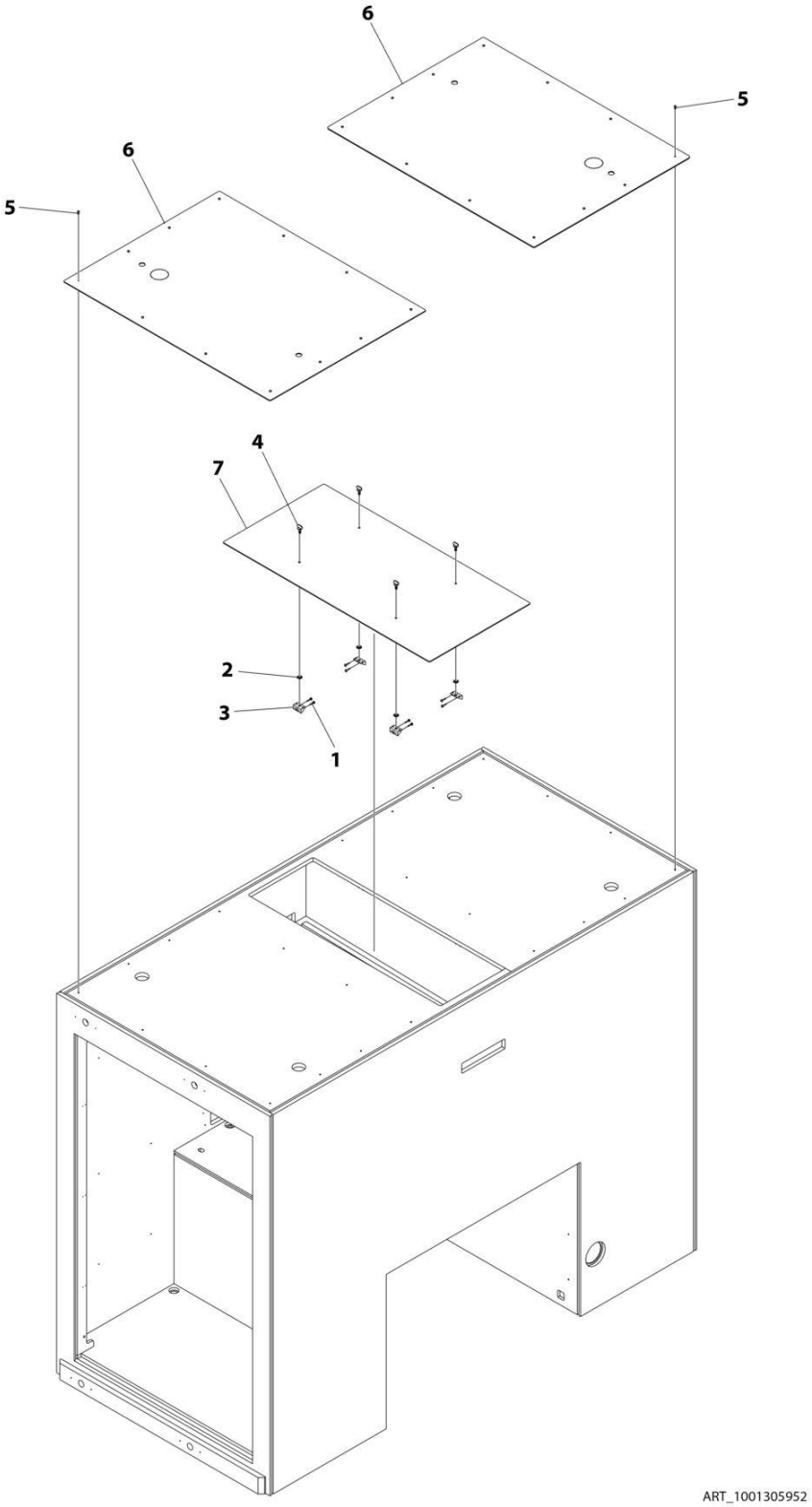


FIGURE 4-8. DIAMOND PLATE INSTALLATION - TALL TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305952	Ref	DIAMOND PLATE INSTALLATION	A
1	0750605	8	Screw	
2	3760308	4	Ring, Retaining	
3	1001122235	4	Bracket	
4	1001166930	4	Screw, Turn	
5	1001192958	24	Screw #10 x 1/2	
6	1001274386	2	Plate	
7	1001306157	1	Plate	

FIGURE 4-9. DIAMOND PLATE INSTALLATION - 56IN TUNNEL

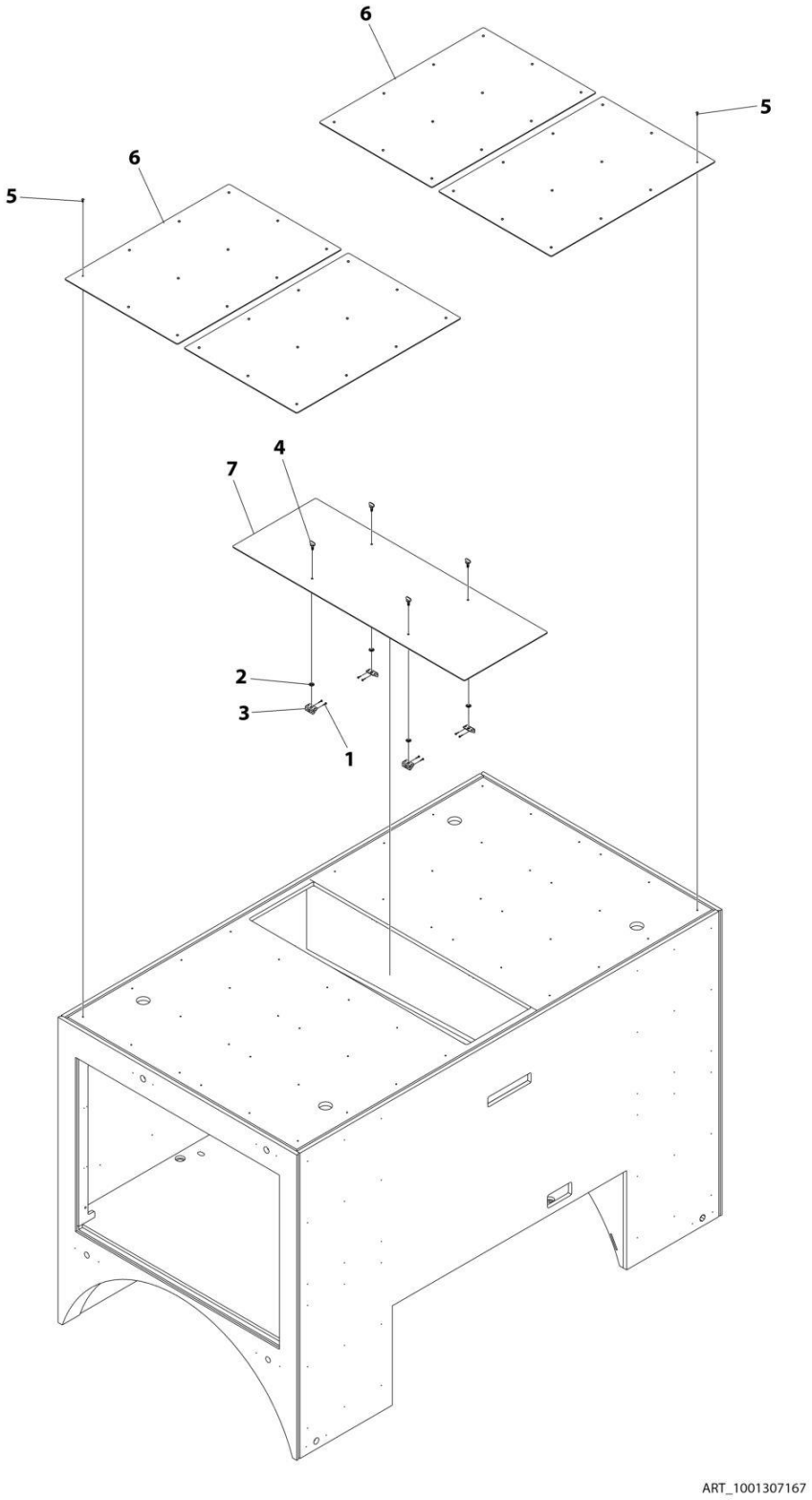


FIGURE 4-9. DIAMOND PLATE INSTALLATION - 56IN TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307167	Ref	DIAMOND PLATE INSTALLATION	A
1	0750605	8	Screw	
2	3760308	4	Ring, Retaining	
3	1001122235	4	Bracket	
4	1001166930	4	Screw, Turn	
5	1001192958	48	Screw #10 x 1/2	
6	1001228768	4	Plate	
7	1001307159	1	Plate	

FIGURE 4-10. DOOR INSTALLATION - 38IN TALL TUNNEL

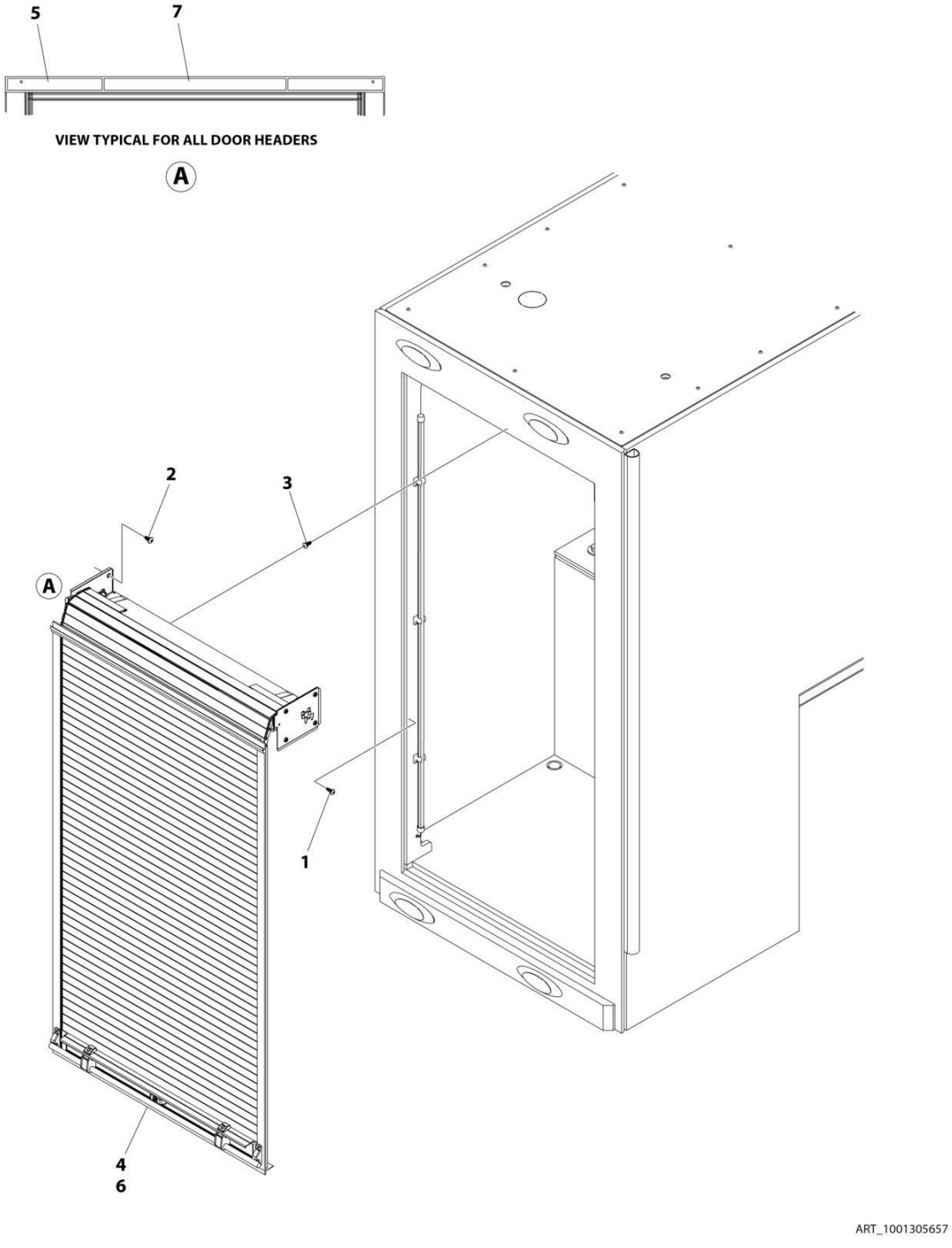


FIGURE 4-10. DOOR INSTALLATION - 38IN TALL TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305657	Ref	DOOR INSTALLATION	A
1	1001192958	28	Screw #10 x 1/2	
2	1001195257	16	Screw 1/4 x 1/2	
3	1001198602	6	Screw #8 x 3/8	
4	1001305656	2	Door, Rollup	
5	7796000012	2 ft	Seal	
6	8798820001	AR	Sealant	
7	8892040001	AR	Tape	

FIGURE 4-11. DOOR INSTALLATION - 38IN SHORT TUNNEL

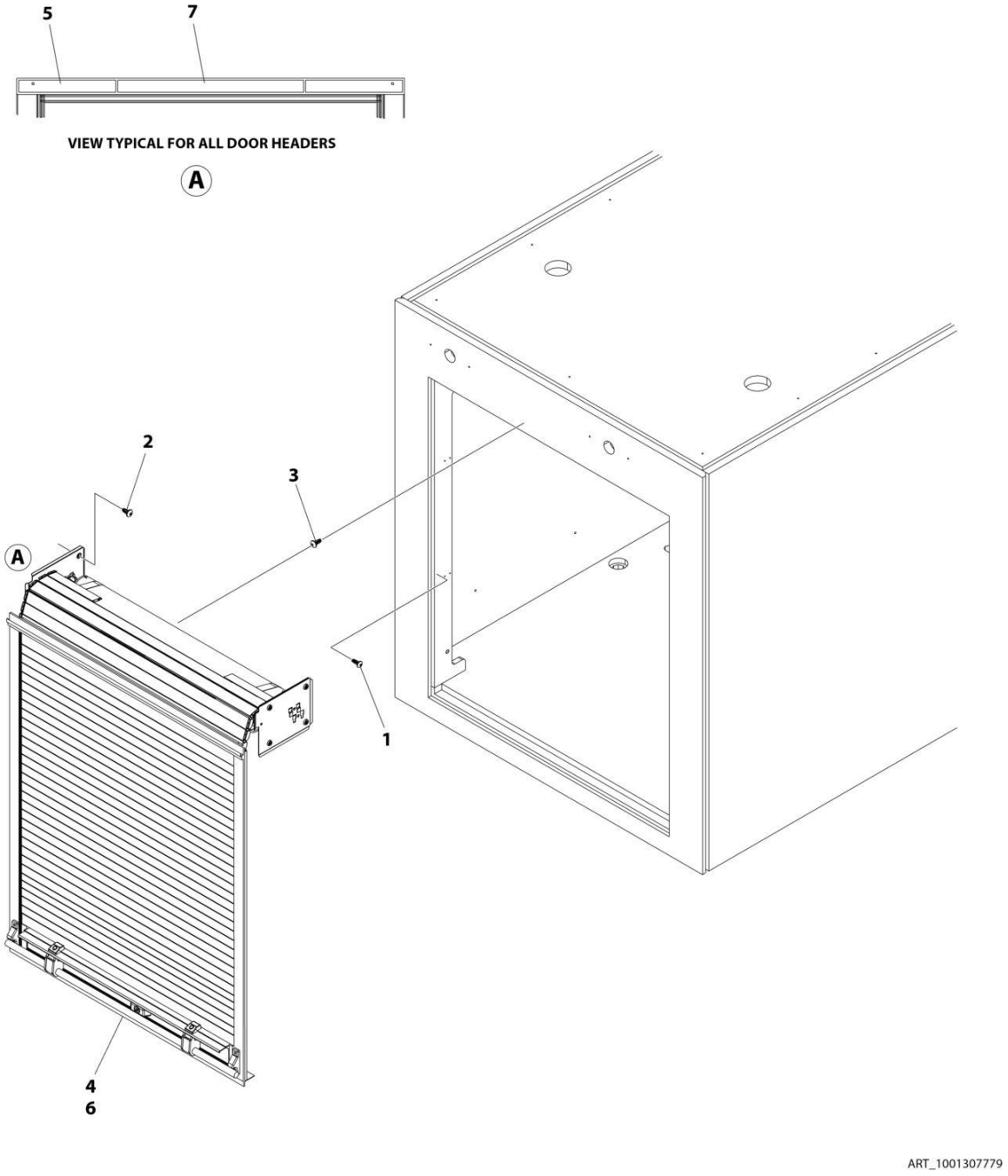


FIGURE 4-11. DOOR INSTALLATION - 38IN SHORT TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307779	Ref	DOOR INSTALLATION	A
1	1001192958	16	Screw #10 x 1/2	
2	1001195257	16	Screw 1/4 x 1/2	
3	1001198602	6	Screw #8 x 3/8	
4	1001306015	2	Door, Rollup	
5	7796000012	2 ft	Seal	
6	8798820001	AR	Sealant	
7	8892040001	AR	Tape	

FIGURE 4-12. DOOR INSTALLATION - 50IN TALL TUNNEL

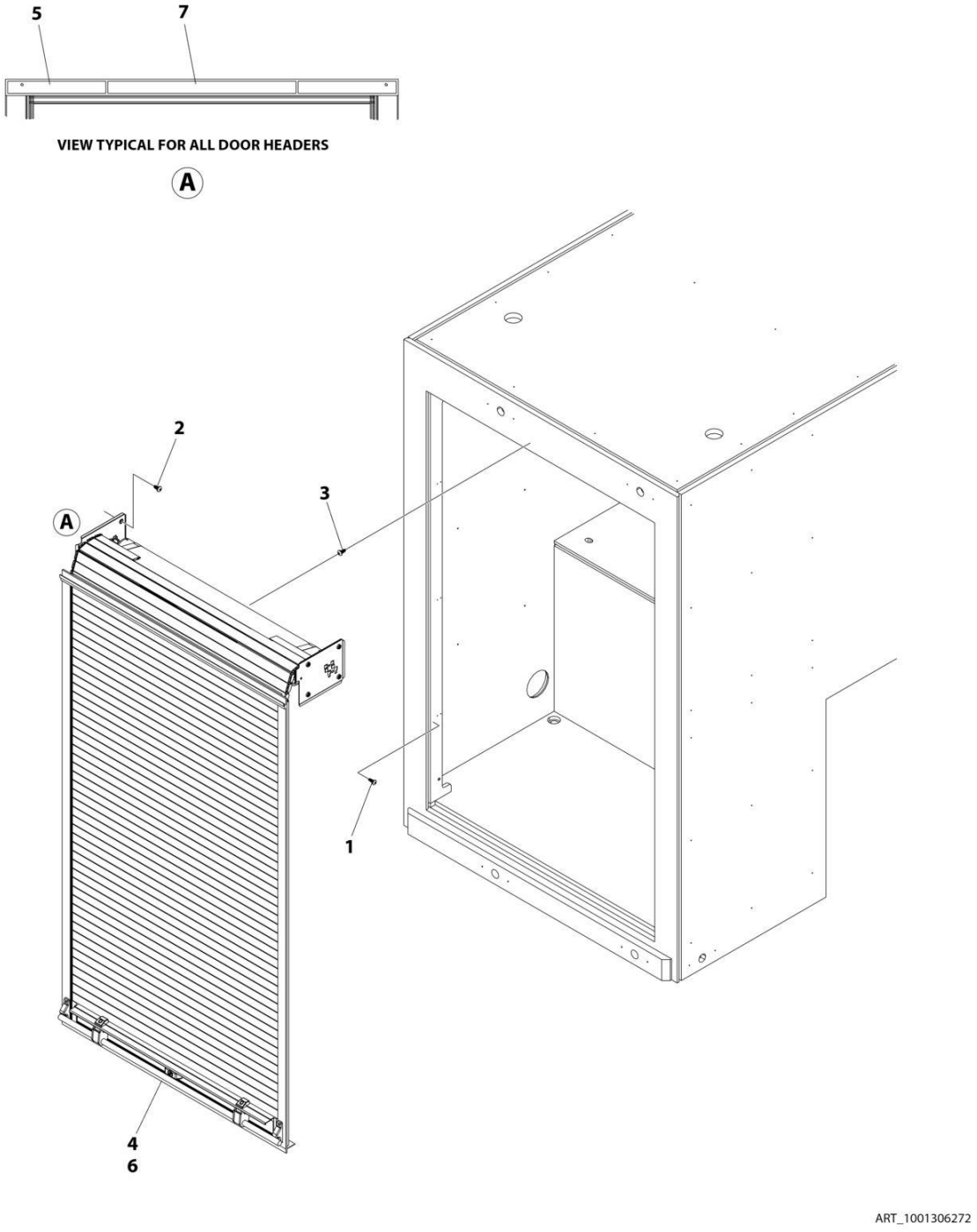


FIGURE 4-12. DOOR INSTALLATION - 50IN TALL TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306272	Ref	DOOR INSTALLATION	A
1	1001192958	28	Screw #10 x 1/2	
2	1001195257	16	Screw 1/4 x 1/2	
3	1001198602	10	Screw #8 x 3/8	
4	1001306273	2	Door, Rollup	
5	7796000012	2 ft	Seal	
6	8798820001	AR	Sealant	
7	8892040001	AR	Tape	

FIGURE 4-13. DOOR INSTALLATION - 50IN SHORT TUNNEL

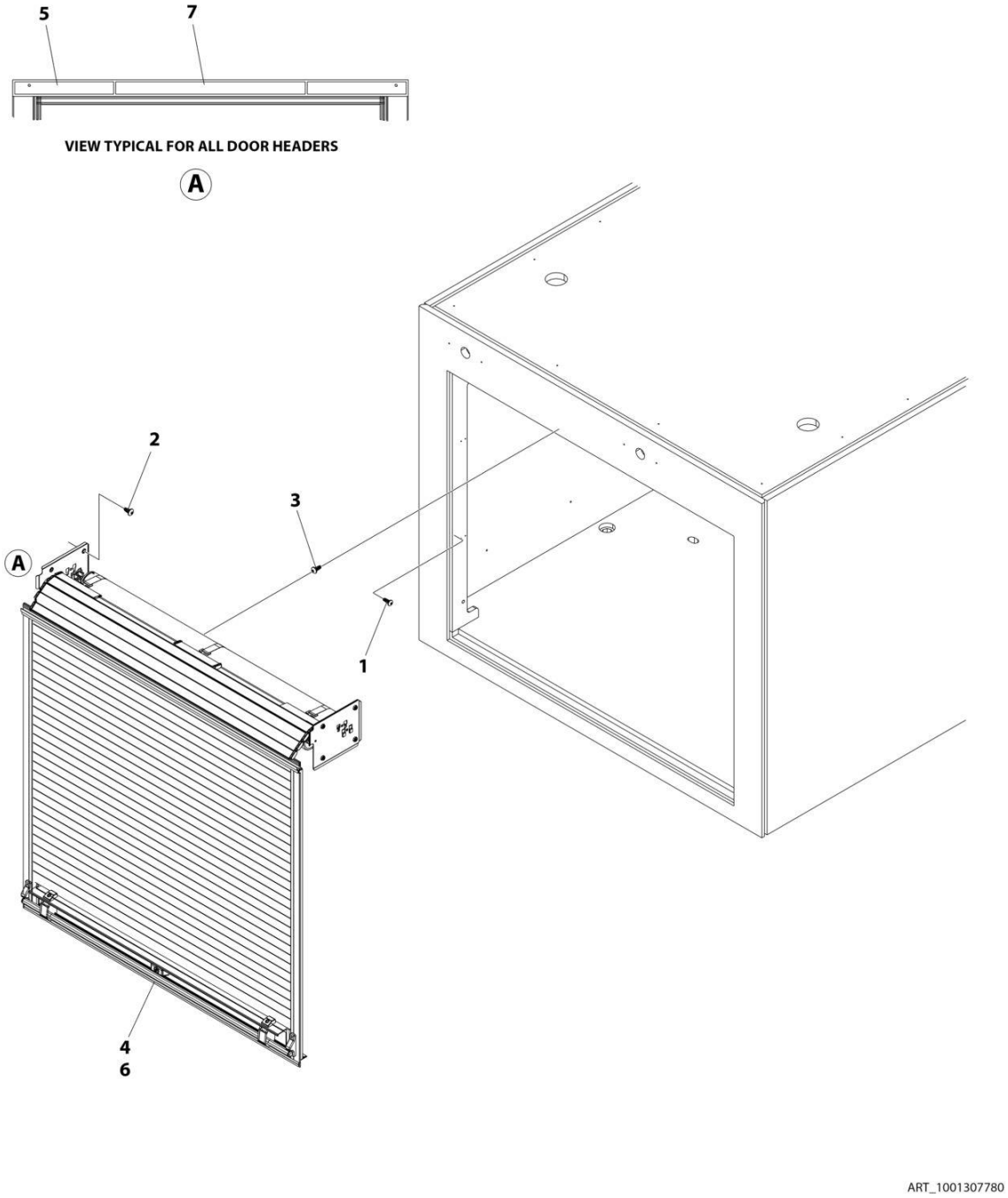


FIGURE 4-13. DOOR INSTALLATION - 50IN SHORT TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307780	Ref	DOOR INSTALLATION	A
1	1001192958	16	Screw #10 x 1/2	
2	1001195257	16	Screw 1/4 x 1/2	
3	1001198602	10	Screw #8 x 3/8	
4	1001307815	2	Door, Rollup	
5	7796000012	2 ft	Seal	
6	8798820001	AR	Sealant	
7	8892040001	AR	Tape	

FIGURE 4-14. DOOR INSTALLATION - 56IN TUNNEL

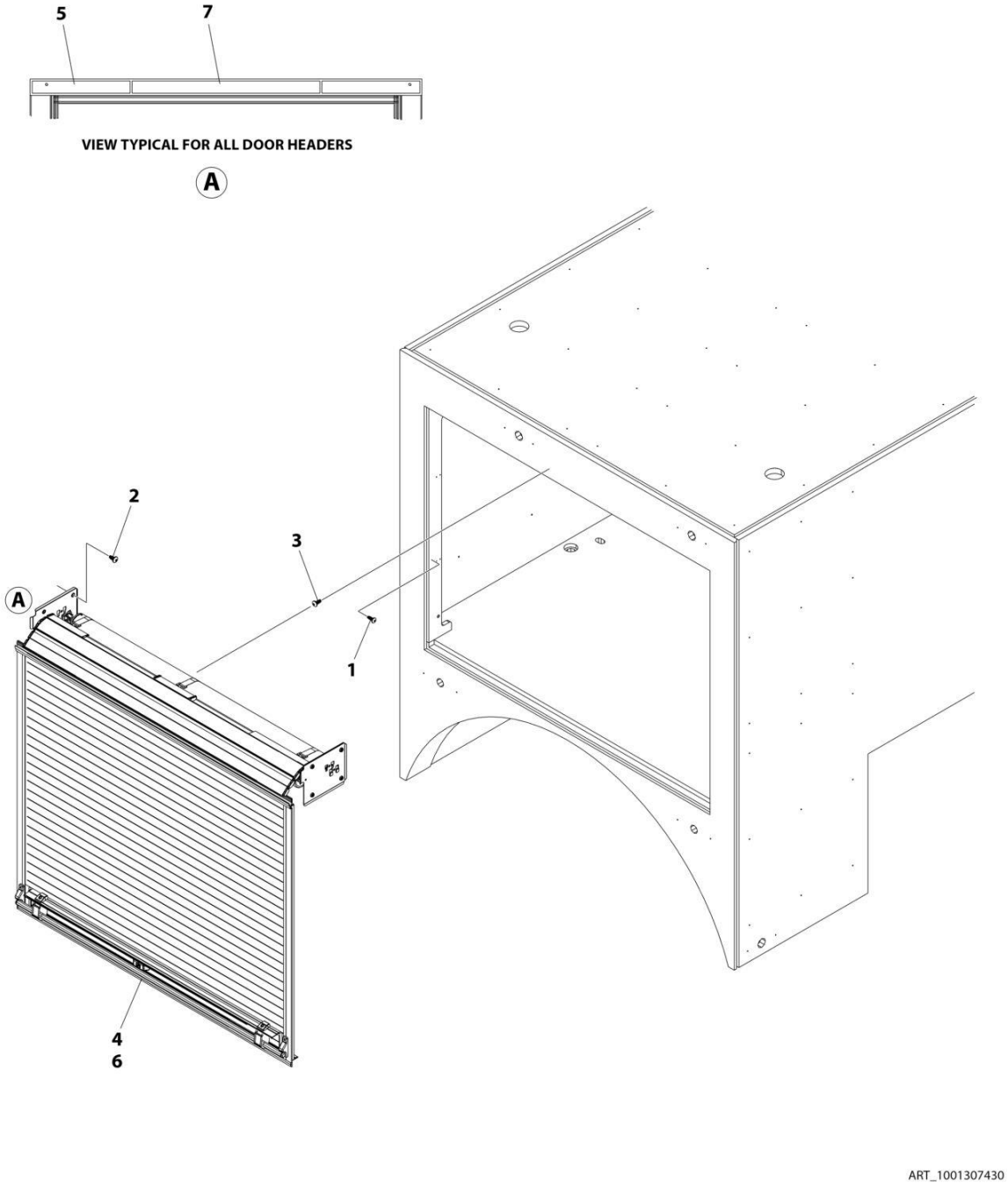


FIGURE 4-14. DOOR INSTALLATION - 56IN TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307430	Ref	DOOR INSTALLATION	A
1	1001192958	16	Screw #10 x 1/2	
2	1001195257	16	Screw 1/4 x 1/2	
3	1001198602	10	Screw #8 x 3/8	
4	1001307431	2	Door, Rollup	
5	7796000012	2 ft	Seal	
6	8798820001	AR	Sealant	
7	8892040001	AR	Tape	

FIGURE 4-15. DOORS & FRAME INSTALLATION - REAR TRI-AXLE BODY (PAINTED)

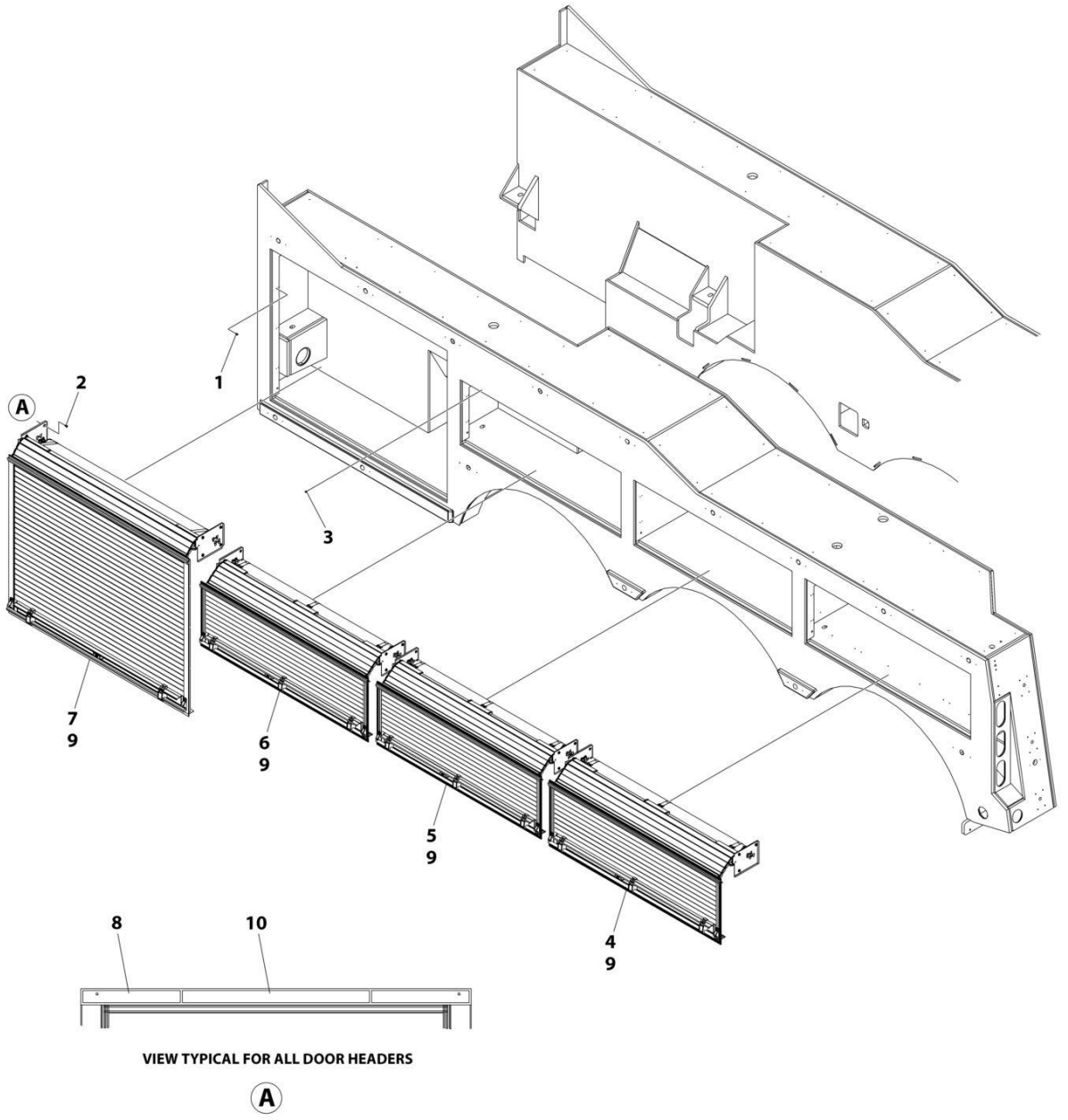


FIGURE 4-15. DOORS & FRAME INSTALLATION - REAR TRI-AXLE BODY (PAINTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303550	Ref	DOORS & FRAME INSTALLATION - REAR TRI-AXLE BODY (PAINTED)	A
1	1001192958	40	Screw #10 x 1/2	
2	1001195257	64	Screw 1/4 x 1/2	
3	1001198602	46	Screw #8 x 3/8	
4	1001274658	2	Door	
5	1001274664	2	Door	
6	1001274665	2	Door	
7	1001306843	2	Door	
8	7796000012	8 ft	Seal	
9	8798820001	AR	Sealant	
10	8892040001	AR	Tape	

FIGURE 4-16. FENDER FLARE AND LINER INSTALLATION

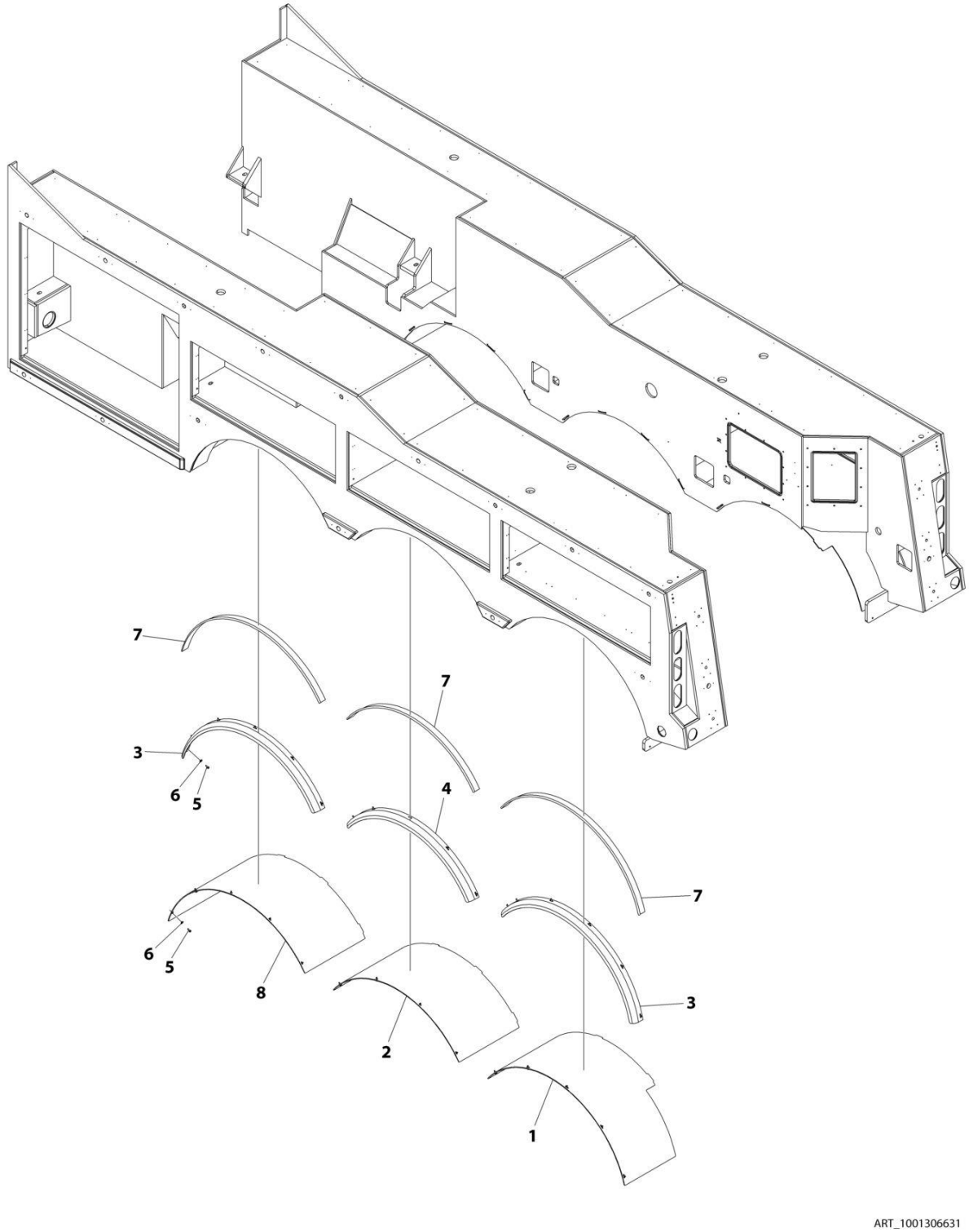


FIGURE 4-16. FENDER FLARE AND LINER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306631	Ref	FENDER FLARE AND LINER INSTALLATION	B
1	1001289314	2	Liner (Rear)	
2	1001289598	2	Liner (Middle)	
3	1001289537	4	Flare, Fender (Rear)	
4	1001289597	2	Flare, Fender (Middle)	
5	7790141251	62	Screw 1/4 x 3/4	
6	7950140163	62	Washer 1/4	
7	1001253744	30 ft	Welting, Fender	
8	1001322596	2	Liner (Front)	

FIGURE 4-17. FENDER FLARE AND LINER INSTALLATION - 56IN TUNNEL

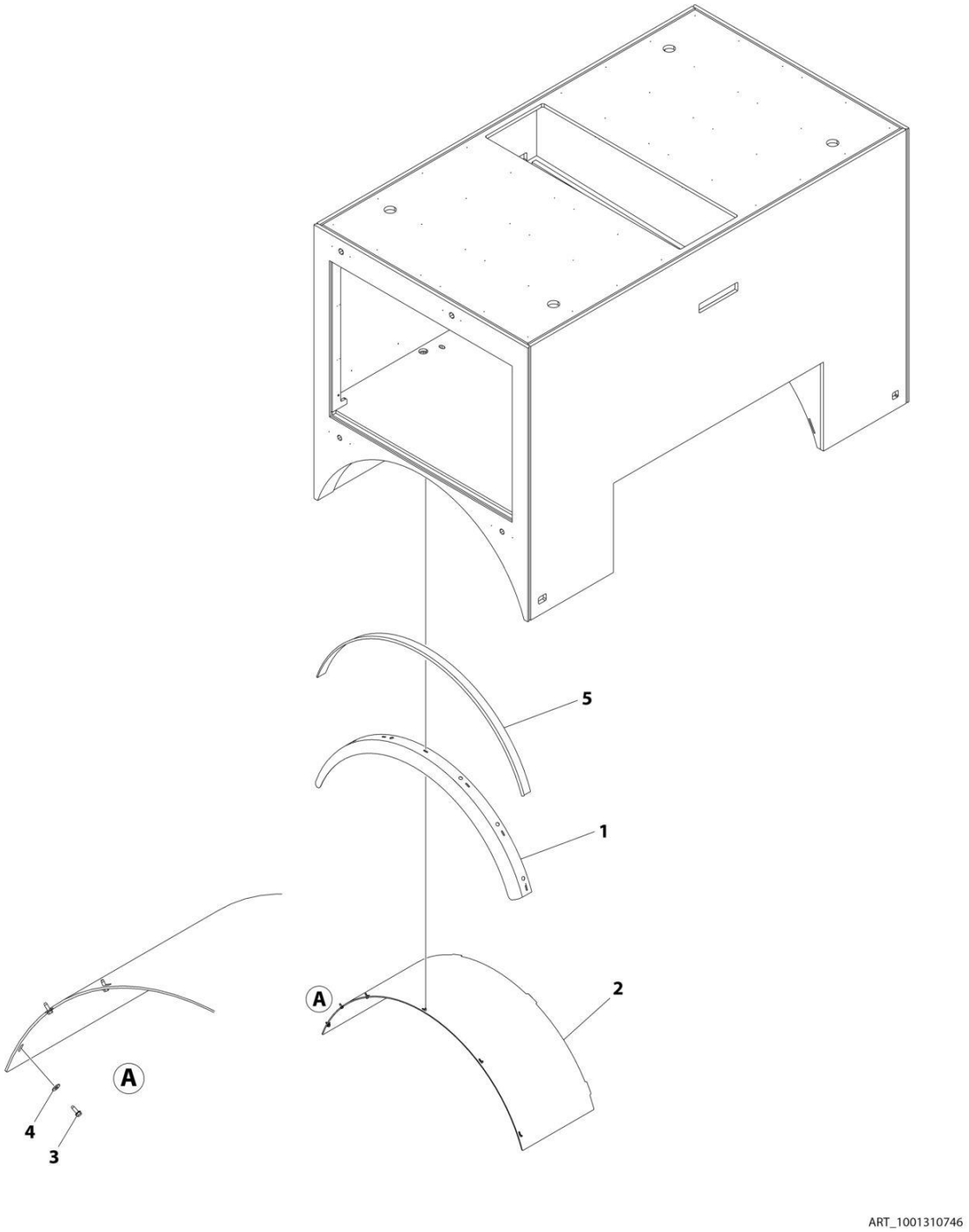


FIGURE 4-17. FENDER FLARE AND LINER INSTALLATION - 56IN TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001310746	Ref	FENDER FLARE AND LINER INSTALLATION	A
1	1001193553	2	Fender	
2	1001310747	2	Liner	
3	7790141251	24	Screw 1/4 x 3/4	
4	7950140163	24	Washer 1/4	
5	1001253744	12 ft	Welting, Fender	

FIGURE 4-18. GRAB HANDLE INSTALLATION

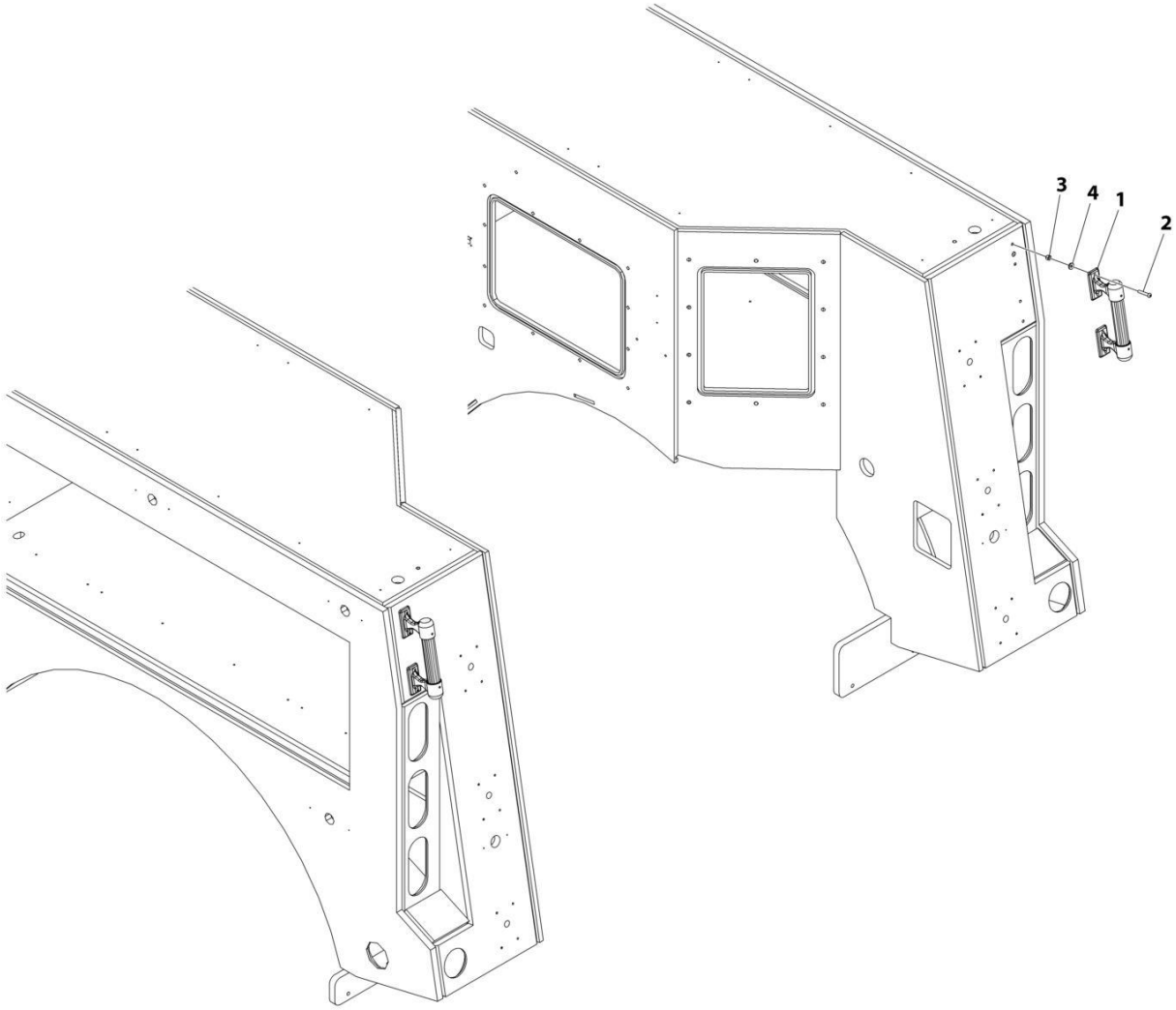


FIGURE 4-18. GRAB HANDLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001321674	Ref	GRAB HANDLE INSTALLATION	A
1	1001170849	2	Handle, Grab	
2	7114141218	8	Capscrew 1/4 x 1-1/2	
3	7660142600	8	Nut 1/4	
4	7950140143	8	Washer 1/2	

FIGURE 4-19. LIFTING LUGS INSTALLATION _TUNNEL

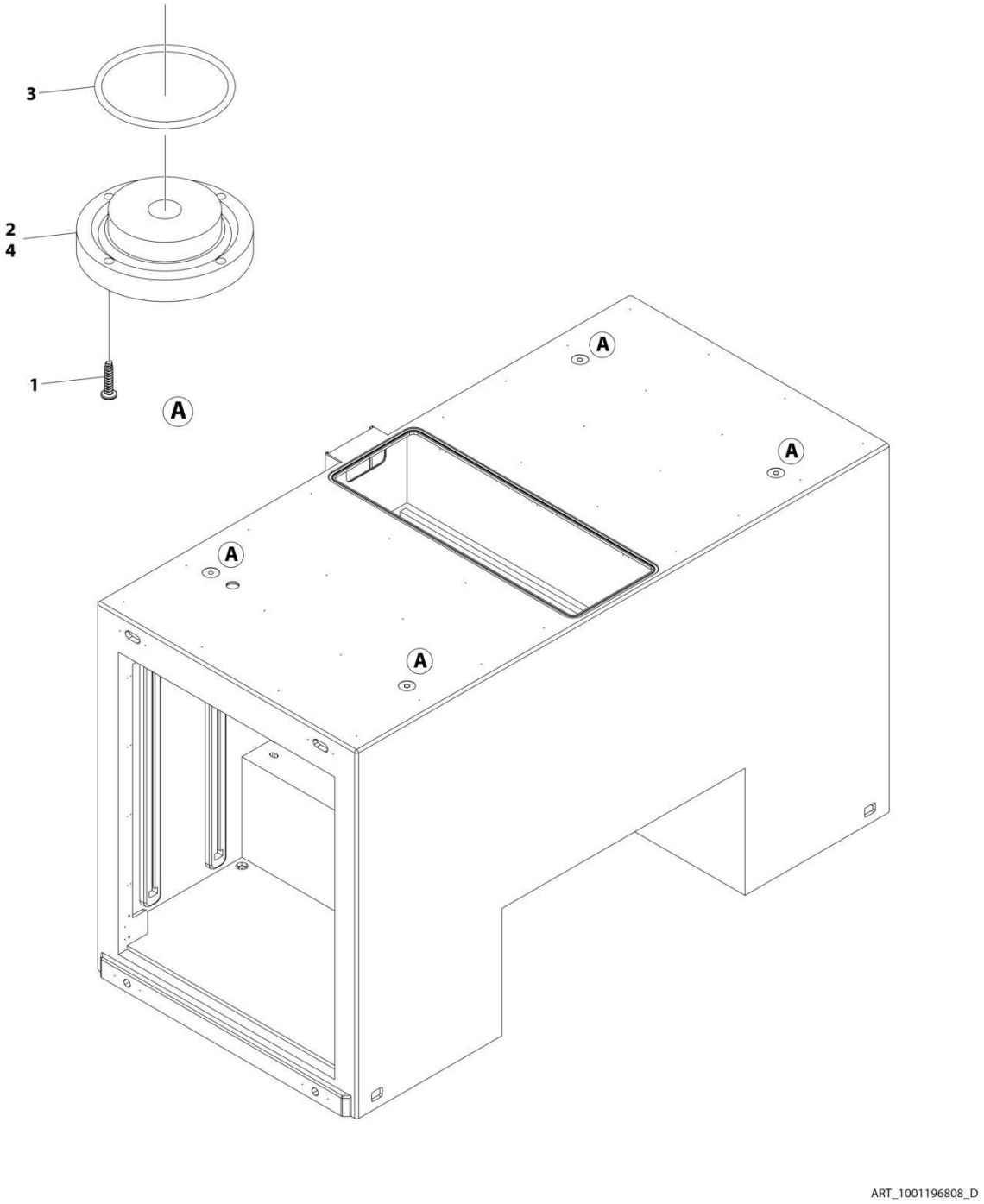


FIGURE 4-19. LIFTING LUGS INSTALLATION _TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196808	Ref	BODY LIFTING LUGS INSTALLATION	D
1	1001196552	16	Screw #8 x 3/4	
2	1001288629	4	Nut	
3	3790230	4	O-Ring	
4	8798820001	AR	Sealant	

FIGURE 4-20. MUD FLAP INSTALLATION

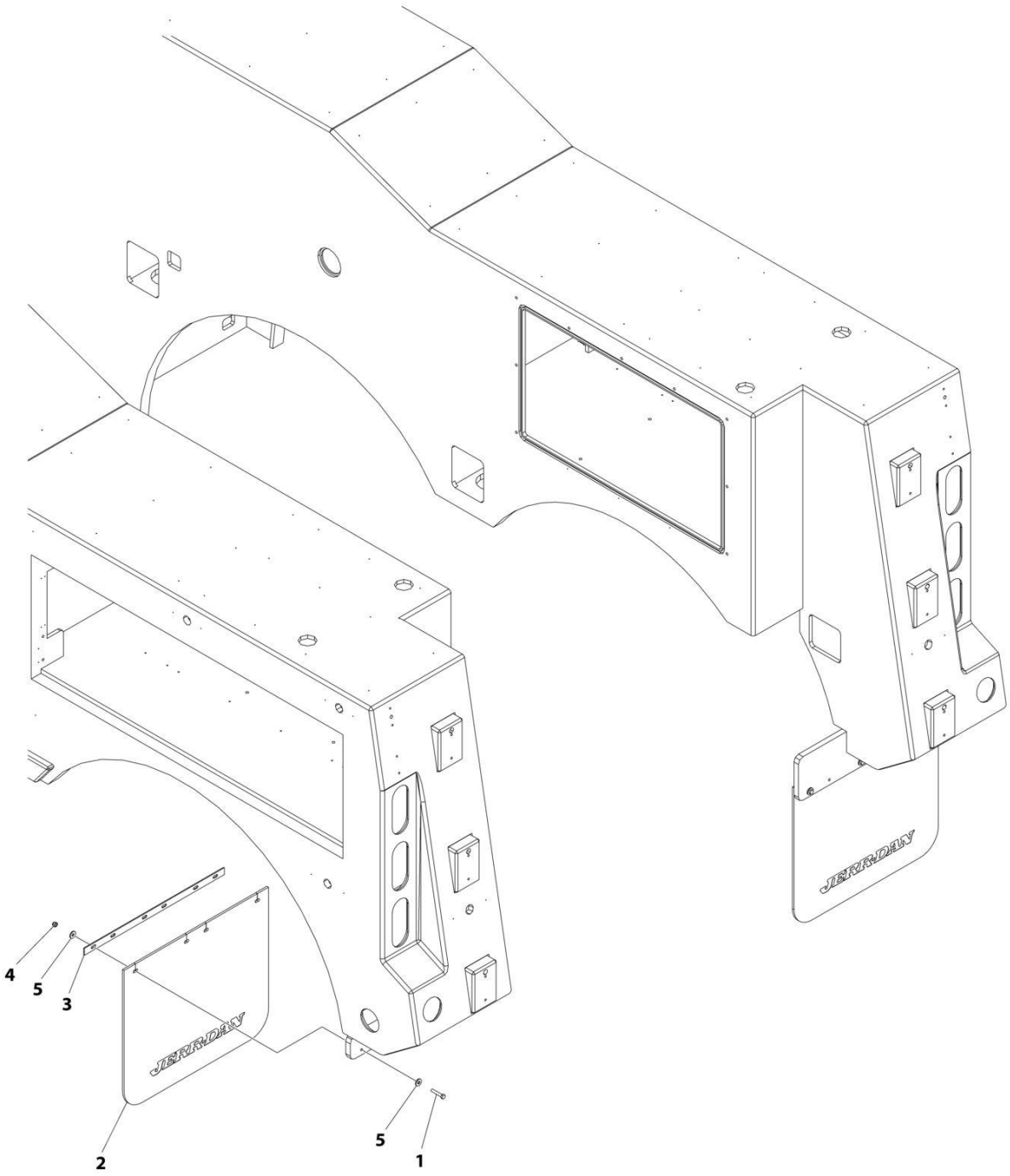


FIGURE 4-20. MUD FLAP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196790	Ref	MUD FLAP INSTALLATION	C
1	0641514	8	Bolt 5/16 x 1-3/4	
2	1001174051	2	Mud Flap	
3	4706001815	2	Plate	
4	7660152601	8	Nut 5/16	
5	7950150153	16	Washer 5/16	

FIGURE 4-21. NO FRONT DIAMOND, MARKER ONLY

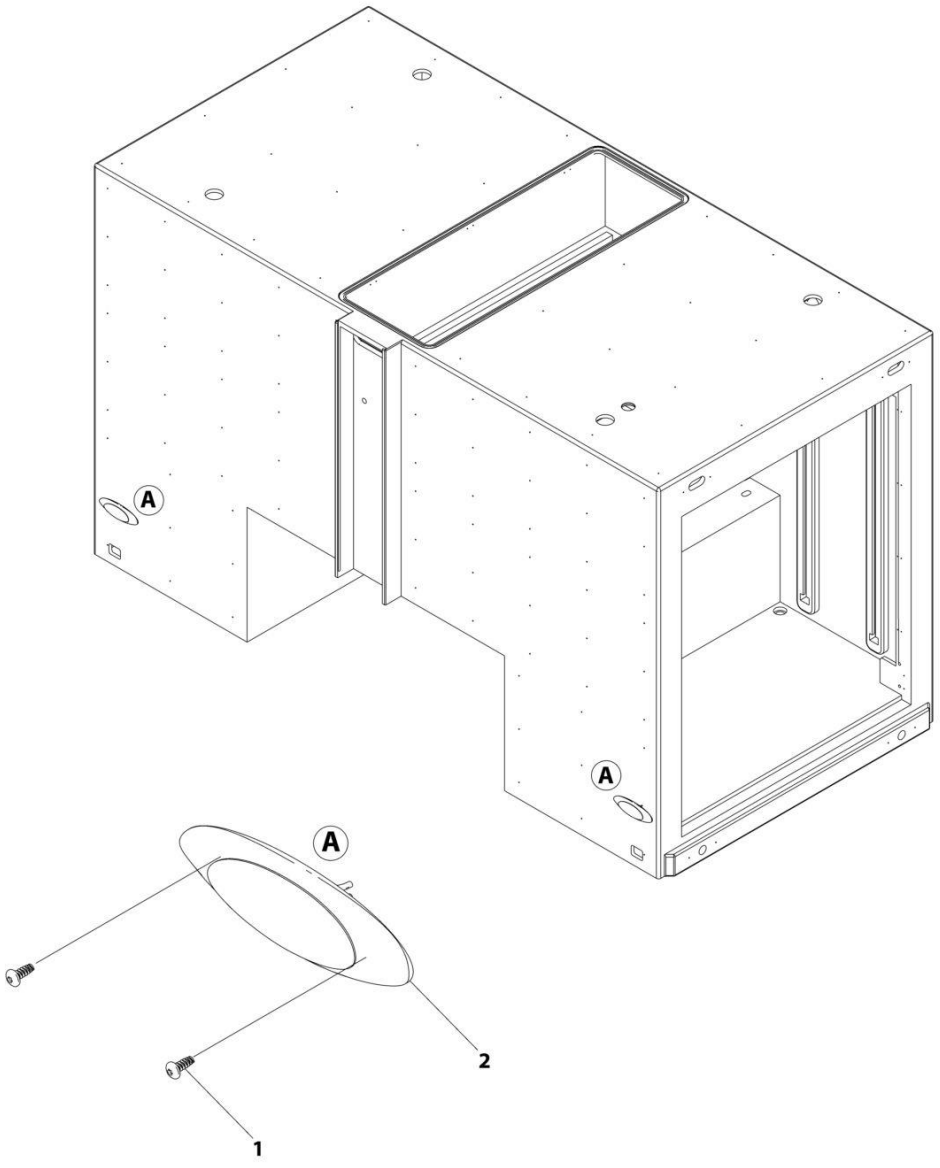


FIGURE 4-21. NO FRONT DIAMOND, MARKER ONLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219785	Ref	NO FRONT DIAMOND, MARKER ONLY	E
1	1001192958	4	Screw #10 x 1/2	
2	7590000358	2	Light	

FIGURE 4-22. PIN STORAGE OUTRIGGERS INSTALLATION

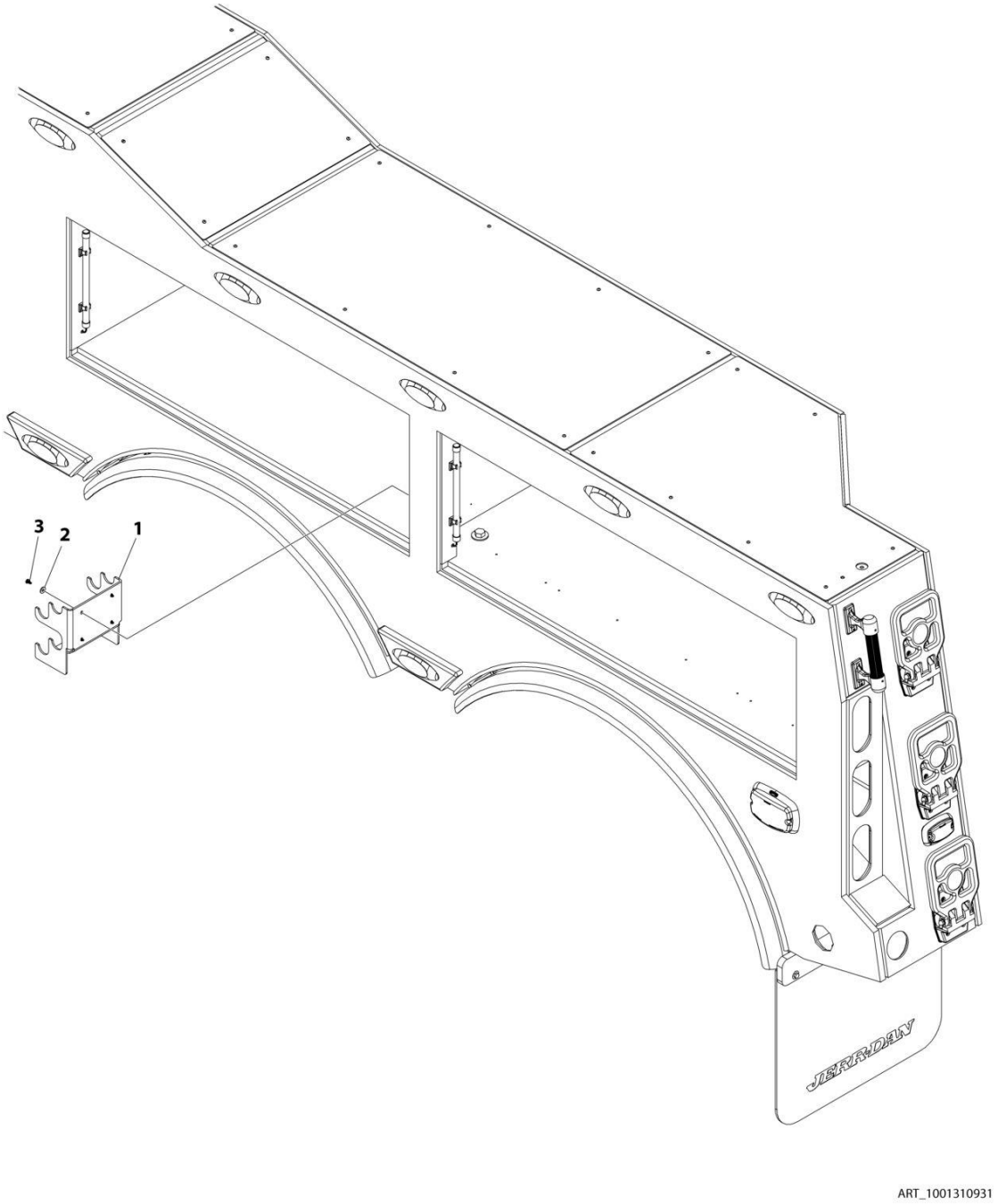


FIGURE 4-22. PIN STORAGE OUTRIGGERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001310931	Ref	PIN STORAGE OUTRIGGERS INSTALLATION	A
1	1001180725	1	Bracket	
2	4751400	4	Washer 1/4	
3	1001195257	4	Screw 1/4 x 1/2	

FIGURE 4-23. RUBRAIL TRIM INSTALLATION (50IN TUNNEL)

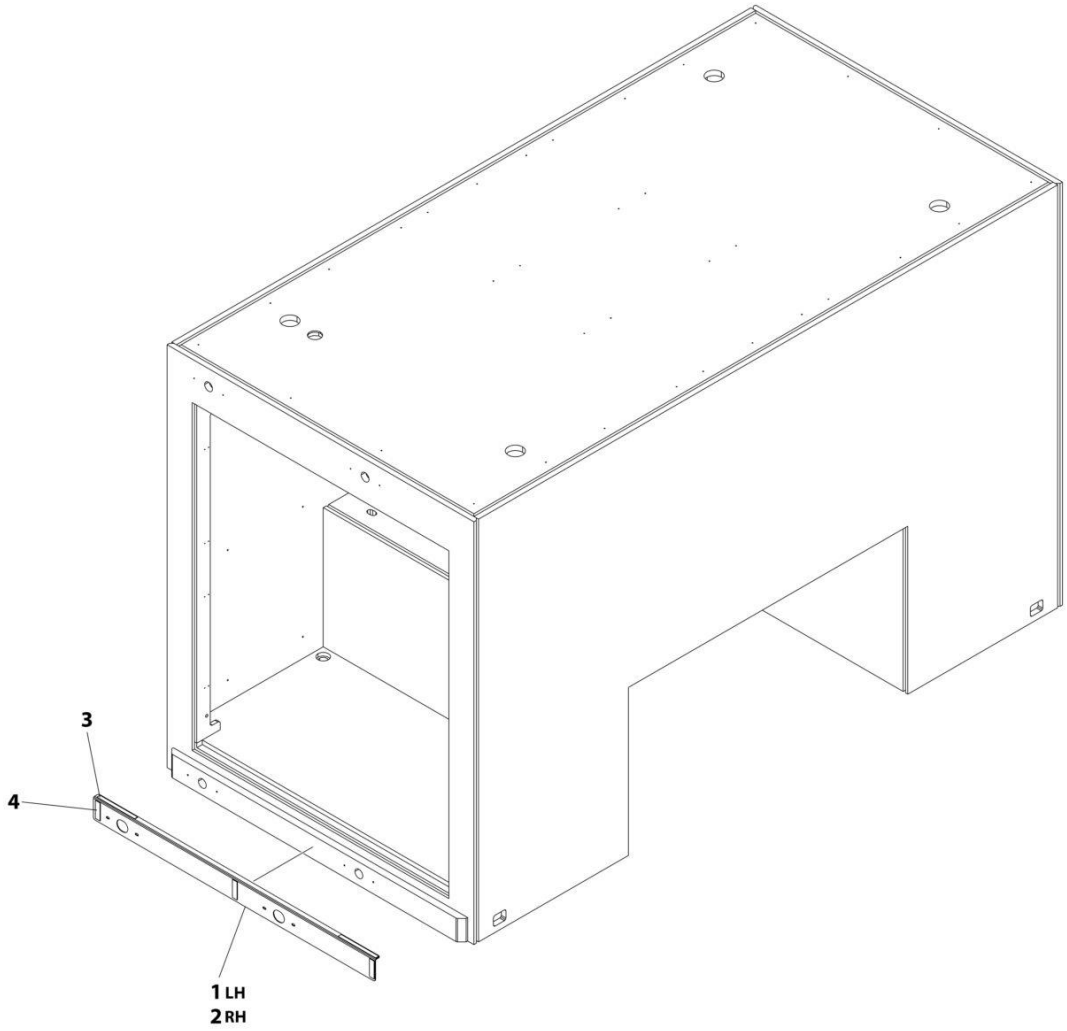


FIGURE 4-23. RUBRAIL TRIM INSTALLATION (50IN TUNNEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283560	Ref	RUBRAIL TRIM 50IN TUNNEL INSTALLATION	A
1	1001283564	1	Angle	
2	1001283565	1	Angle	
3	1001230987	2 ft	Tape	
4	7796000012	1.3 ft	Seal	

FIGURE 4-24. RUBRAIL TRIM INSTALLATION (36IN TUNNEL)

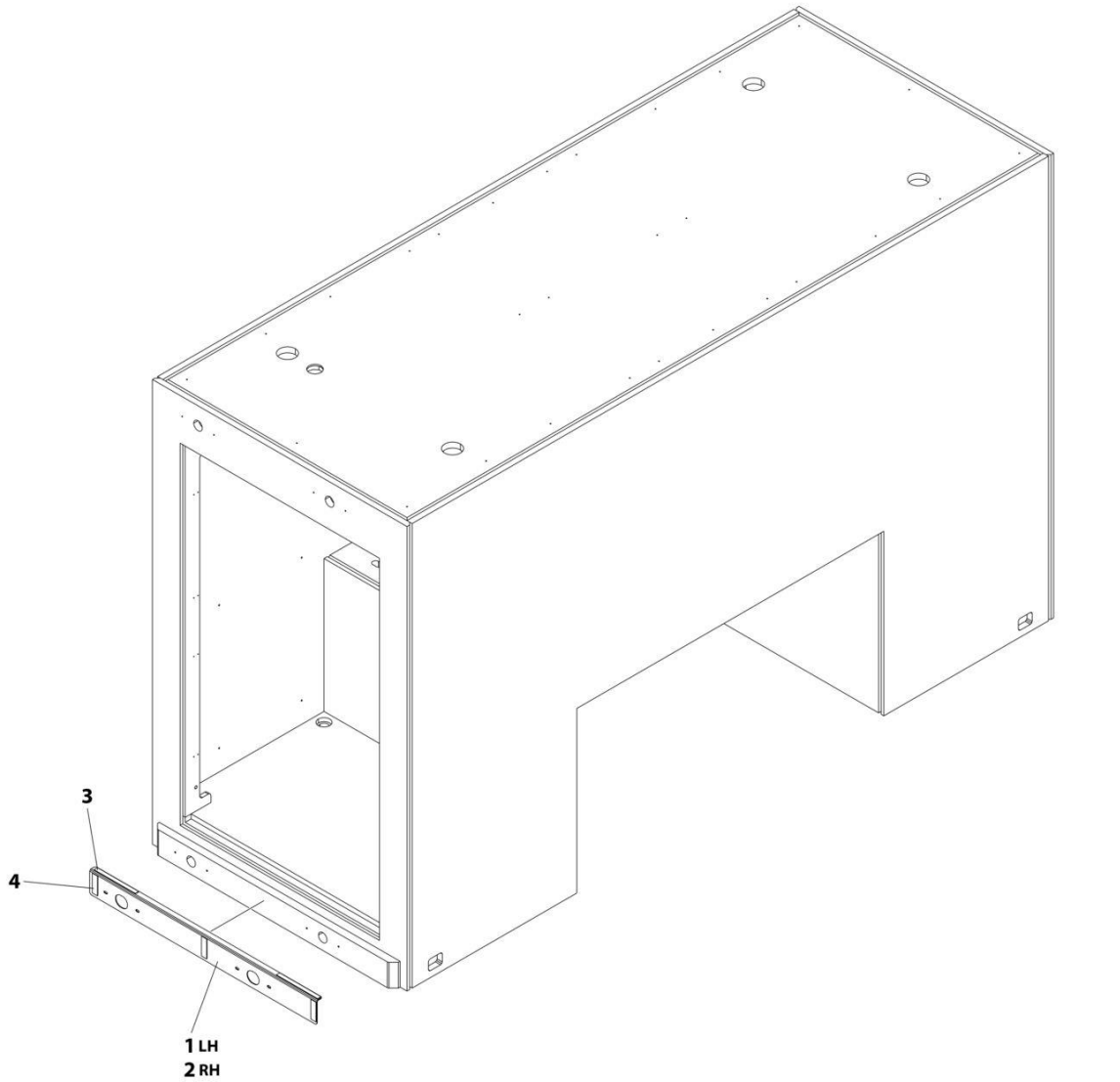


FIGURE 4-24. RUBRAIL TRIM INSTALLATION (36IN TUNNEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283561	Ref	RUBRAIL TRIM 38IN TUNNEL INSTALLATION	A
1	1001283566	1	Angle	
2	1001283567	1	Angle	
3	1001230987	2 ft	Tape	
4	7796000012	1.3 ft	Seal	

FIGURE 4-25. RUB RAIL DRESS-UP INSTALLATION (TRI-AXLE)

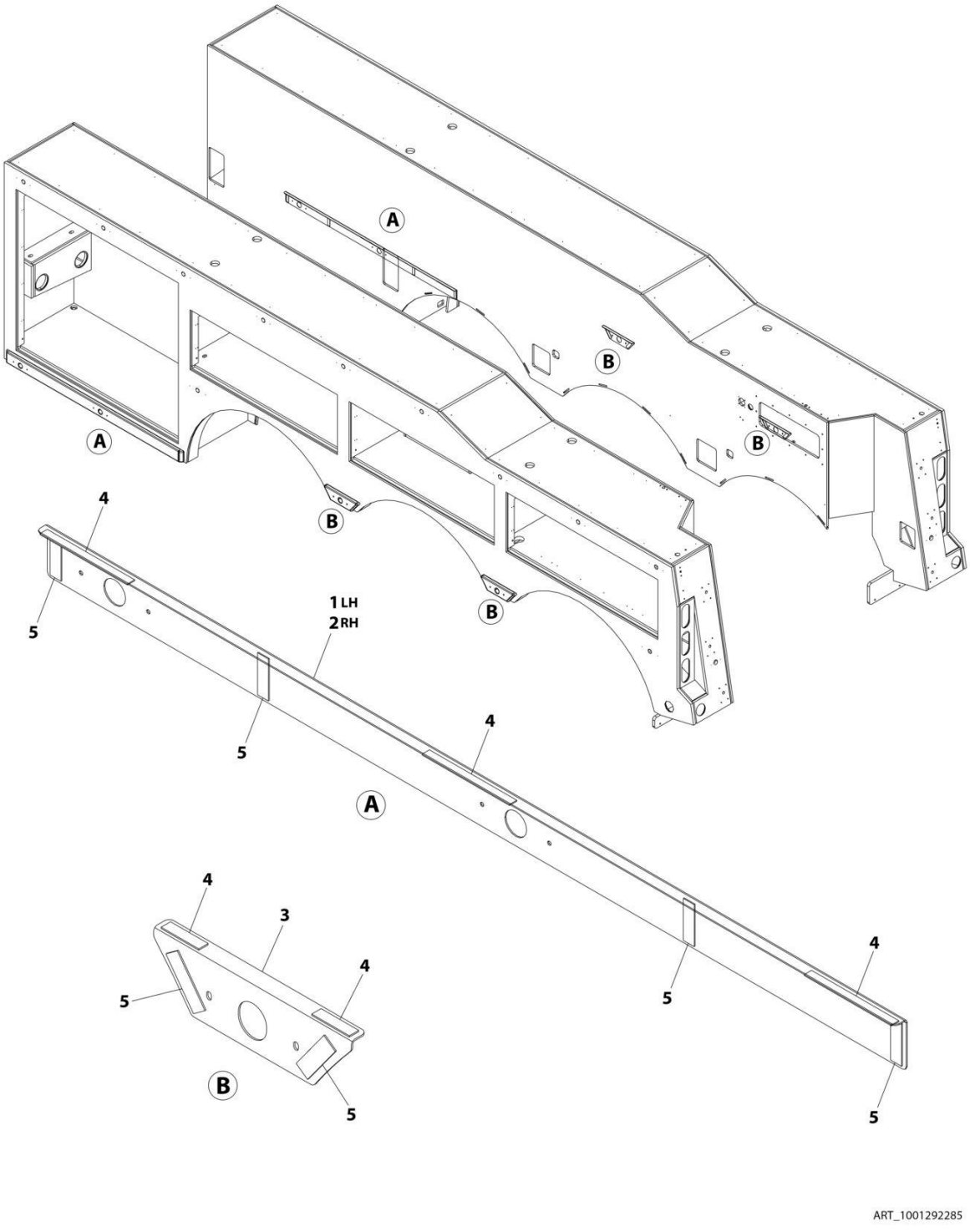


FIGURE 4-25. RUB RAIL DRESS-UP INSTALLATION (TRI-AXLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001292285	Ref	RUB RAIL DRESS-UP INSTALLATION (TRI-AXLE)	A
1	1001293129	1	Angle	
2	1001293130	1	Angle	
3	1001230966	4	Angle	
4	1001230987	4.4 ft	Tape	
5	7796000012	3.4 ft	Seal	

FIGURE 4-26. STEP INSTALLATION

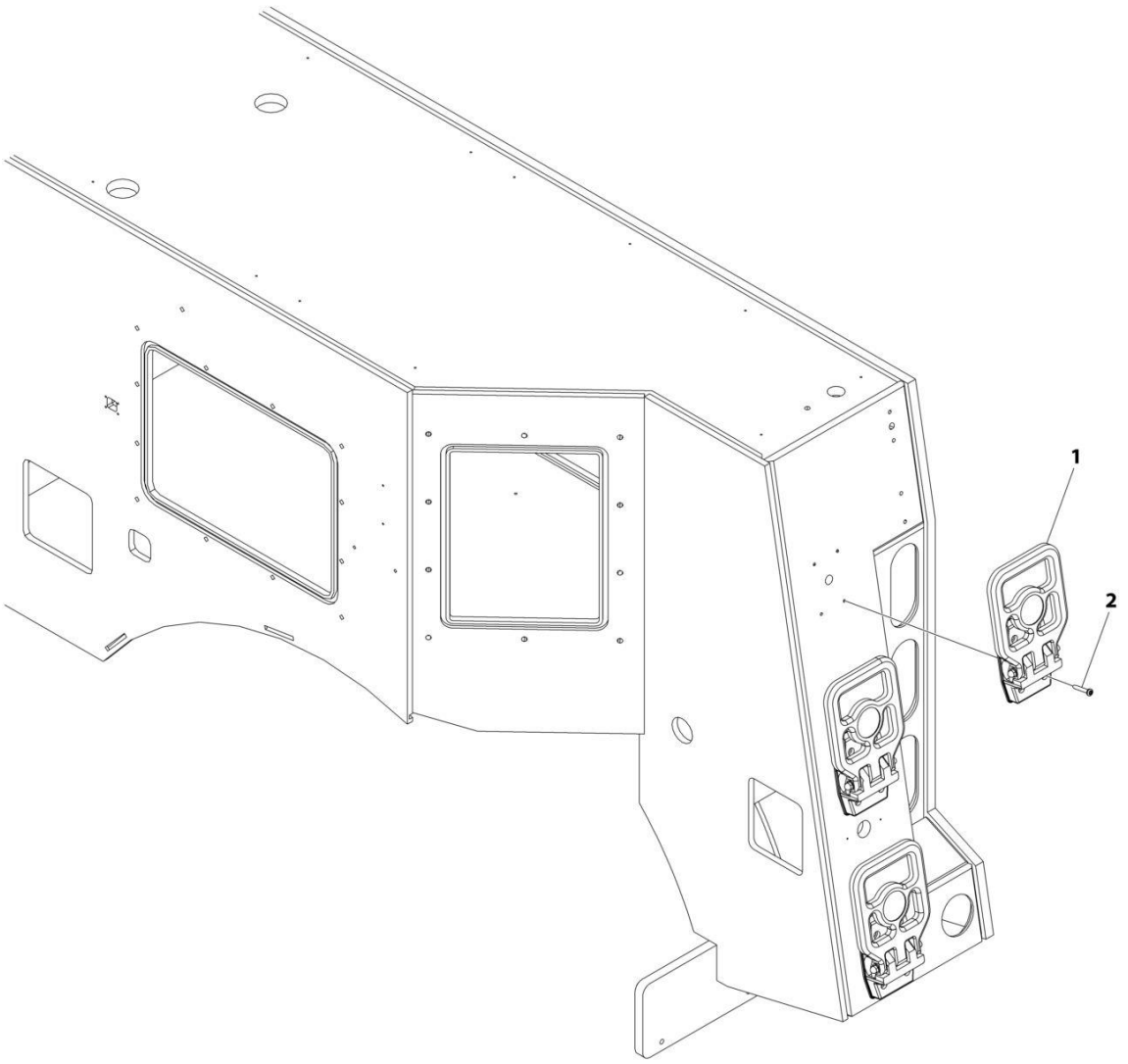


FIGURE 4-26. STEP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001321675	Ref	STEP INSTALLATION	A
1	1001285503	6	Step	
2	1001322641	24	Screw 1/4 x 1-1/2	

FIGURE 4-27. STORAGE - CHAIN RACK INSTALLATION (50IN)

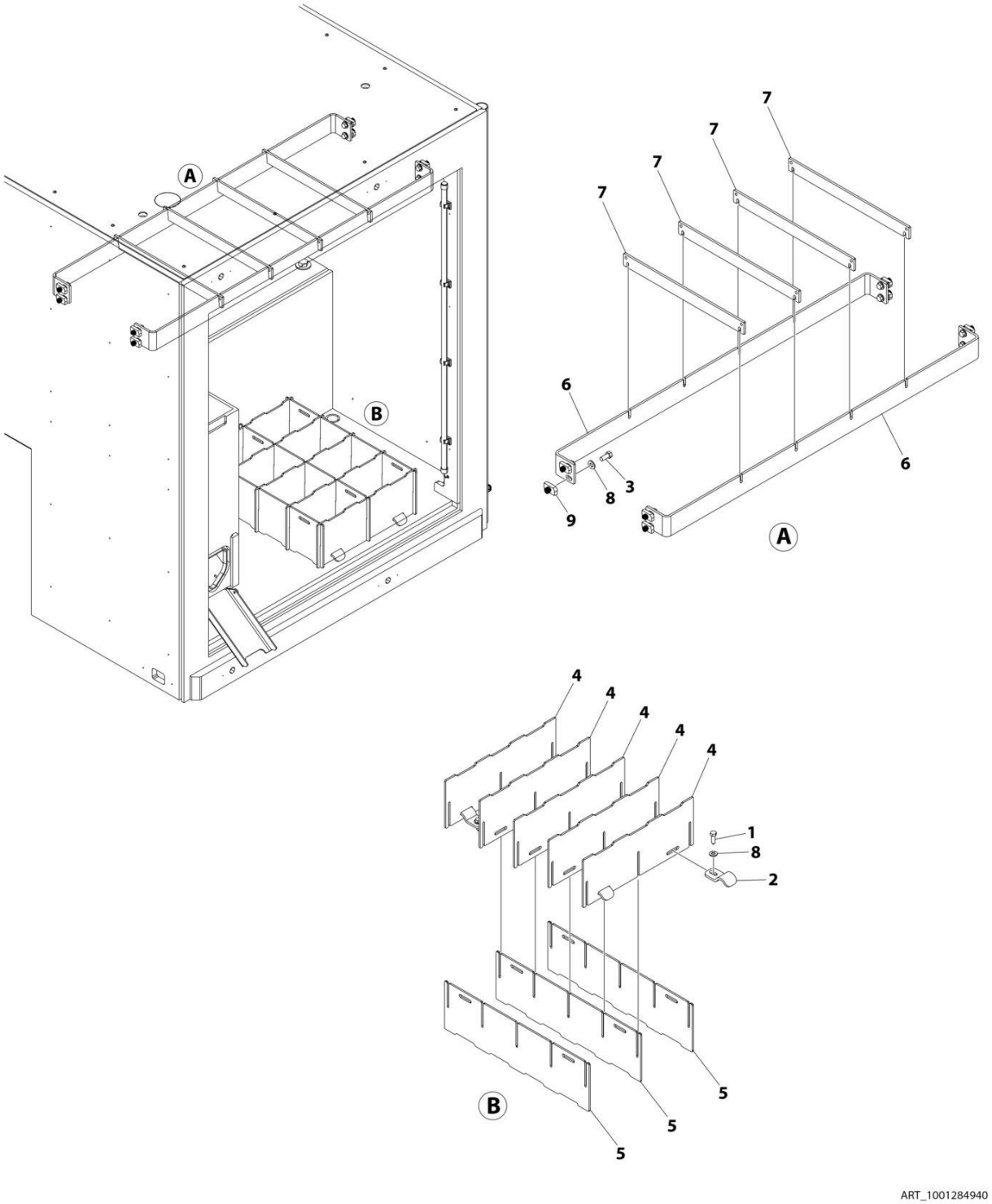


FIGURE 4-27. STORAGE - CHAIN RACK INSTALLATION (50IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284940	Ref	CHAIN RACK (50IN)	B
1	1001168545	4	Capscrew 3/8 x 1-1/4	
2	1001175596	4	Clamp	
3	1001210454	8	Bolt 3/8 x 7/8	
4	1001282692	5	Plate, Chain Pocket	
5	1001282693	3	Plate, Chain Pocket	
6	1001284944	2	Bar, Chain Rack	
7	1001284948	4	Bar, Chain Rack	
8	7950160143	12	Washer 3/8	
9	1001166644	8	Spring Nut 3/8	

FIGURE 4-28. STORAGE - CHAIN RACK INSTALLATION (38IN)

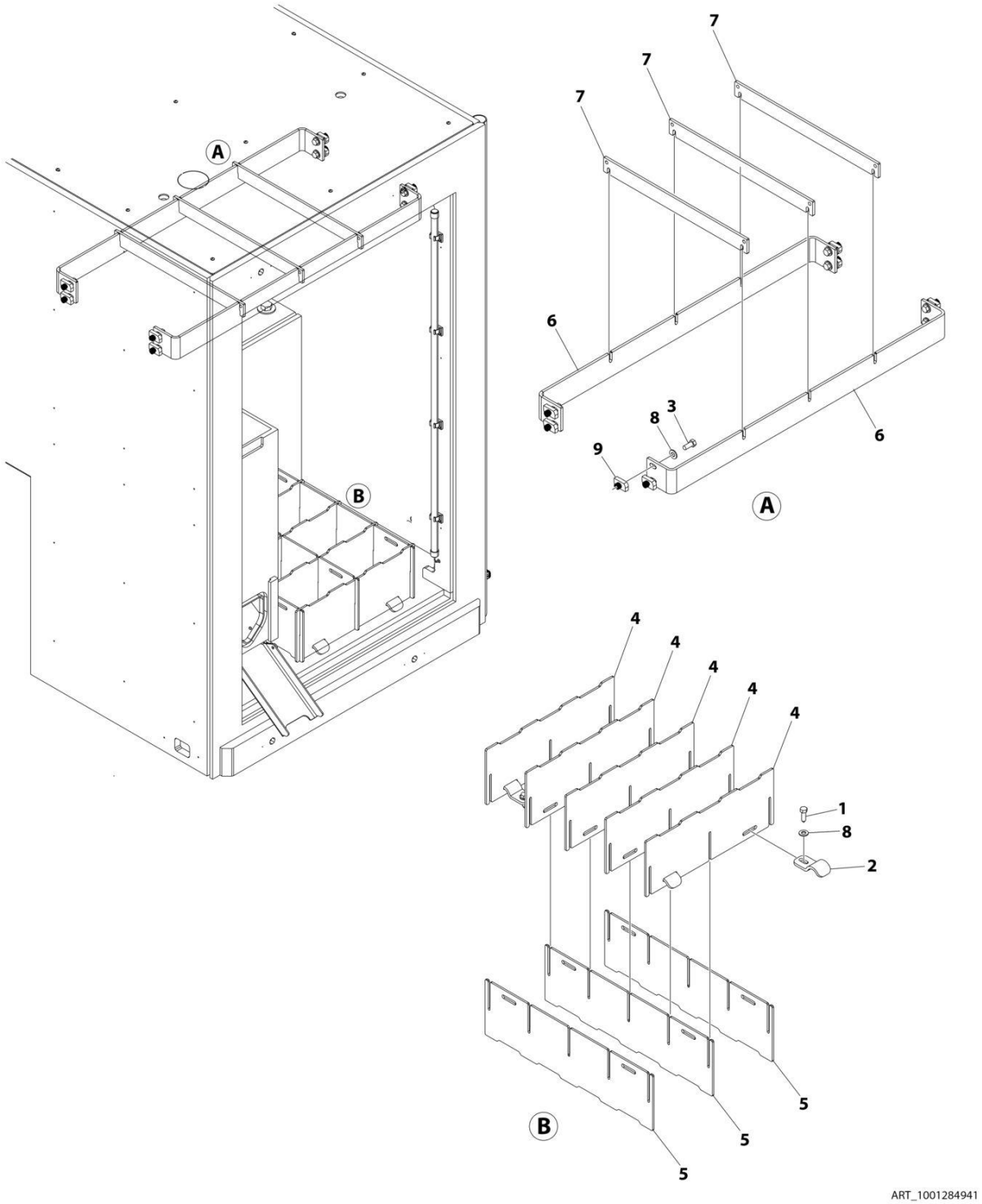


FIGURE 4-28. STORAGE - CHAIN RACK INSTALLATION (38IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284941	Ref	CHAIN RACK (38IN)	B
1	1001168545	4	Capscrew 3/8 x 1-1/4	
2	1001175596	4	Clamp	
3	1001210454	8	Bolt 3/8 x 7/8	
4	1001282692	5	Plate, Chain Pocket	
5	1001282693	3	Plate, Chain Pocket	
6	1001284945	2	Bar, Chain Rack	
7	1001284948	3	Bar, Chain Rack	
8	7950160143	12	Washer 3/8	
9	1001166644	8	Spring Nut 3/8	

FIGURE 4-29. STORAGE - DRAWER INSTALLATION - TILT DOWN 51IN

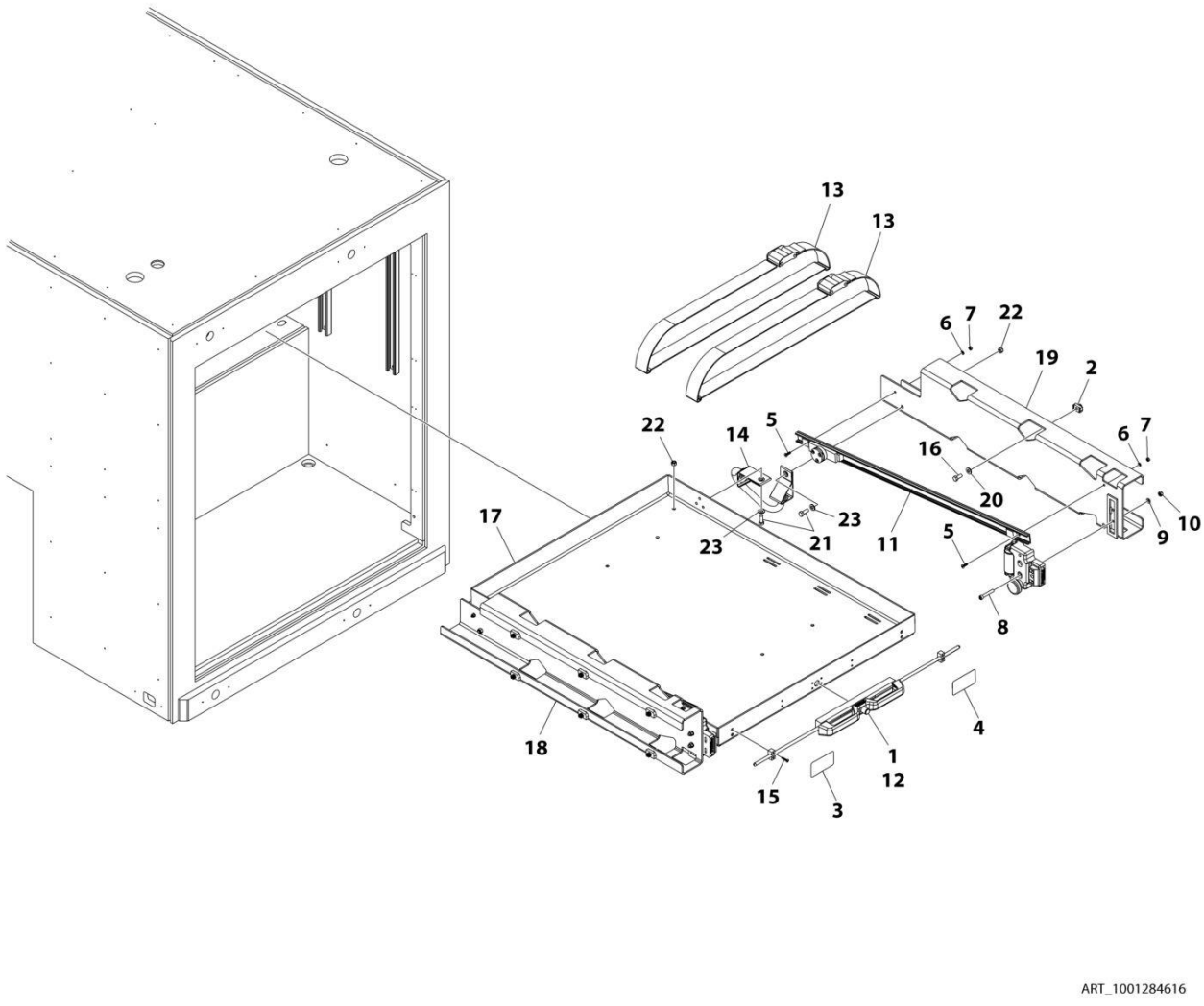


FIGURE 4-29. STORAGE - DRAWER INSTALLATION - TILT DOWN 51IN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284616	Ref	DRAWER INSTALLATION - TILT DOWN (50IN)	C
1	3020029	AR	Lubricant	
2	1001166644	12	Spring Nut 3/8	
3	1001170090	1	Decal, Warning	
4	1001170091	1	Decal, Capacity	
5	1001170305	4	Bolt	
6	1001170307	4	Washer M6	
7	1001170310	4	Nut M6	
8	1001170328	4	Screw	
9	1001170329	4	Washer M8	
10	1001170330	4	Nut M8	
11	1001170331	1	Roller Assembly	
12	1001170332	1	Handle and Latch Assembly	
13	1001170428	2	Strap	
14	1001179349	2	Strap	
15	1001200997	4	Screw M5 x 25	
16	1001210454	12	Bolt 3/8 x 7/8	
17	1001284619	1	Tray, Tilt-Down	
18	1001284622	1	Bracket, LH	
19	1001284623	1	Bracket, RH	
20	7950160143	12	Washer 3/8	
21	7114160850	4	Bolt 3/8 x 1	
22	7660162601	4	Nut 3/8	
23	7950160141	4	Washer 3/8	

FIGURE 4-30. STORAGE - DRAWER INSTALLATION - TILT DOWN 38IN

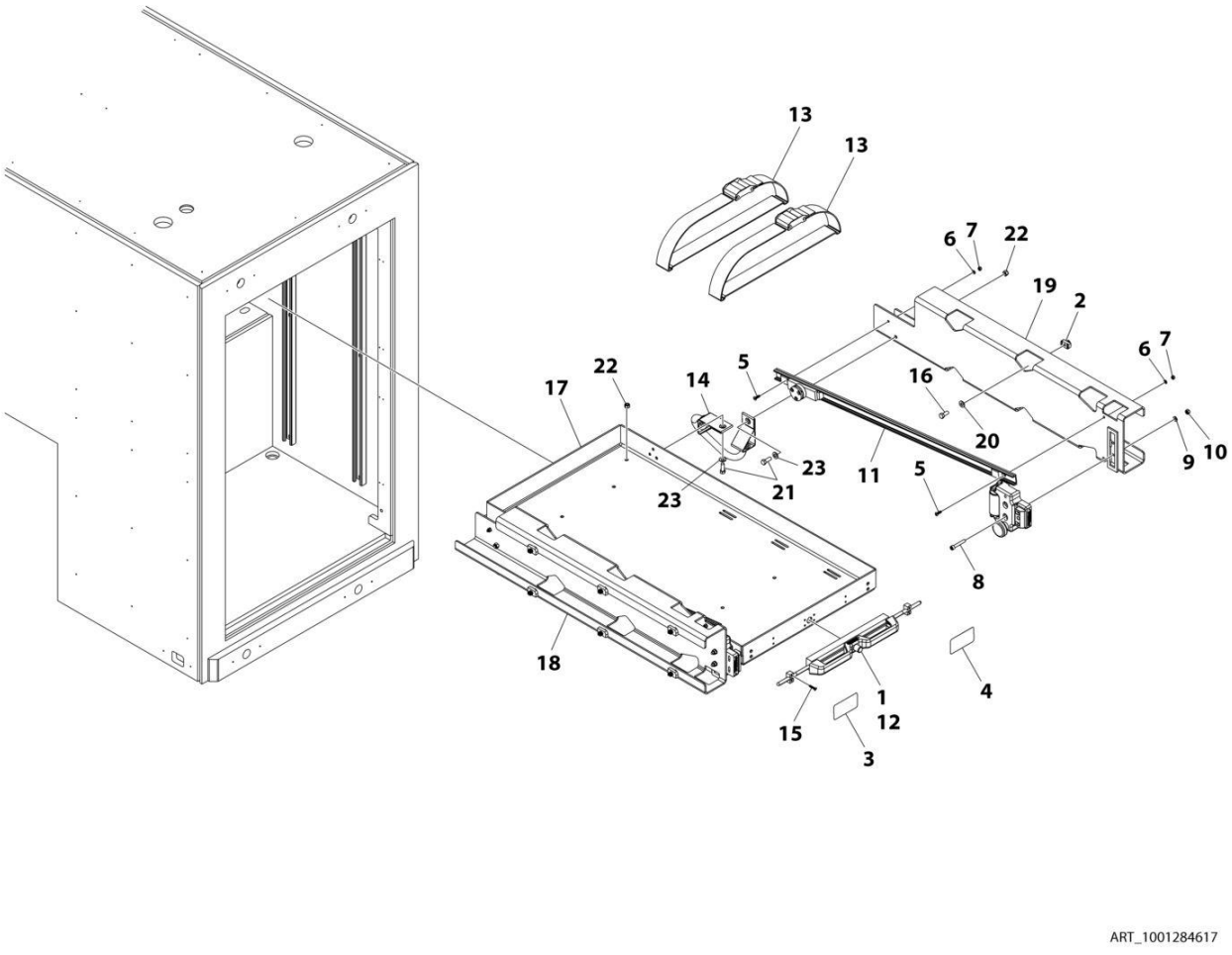


FIGURE 4-30. STORAGE - DRAWER INSTALLATION - TILT DOWN 38IN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284617	Ref	DRAWER INSTALLATION - TILT DOWN (38IN)	C
1	3020029	AR	Lubricant	
2	1001166644	12	Spring Nut 3/8	
3	1001170090	1	Decal, Warning	
4	1001170091	1	Decal, Capacity	
5	1001170305	4	Bolt	
6	1001170307	4	Washer M6	
7	1001170310	4	Nut M6	
8	1001170328	4	Screw	
9	1001170329	4	Washer M8	
10	1001170330	4	Nut M8	
11	1001170331	1	Roller Assembly	
12	1001170332	1	Handle and Latch Assembly	
13	1001170428	2	Strap	
14	1001179349	2	Strap	
15	1001200997	4	Screw M5 x 25	
16	1001210454	12	Bolt 3/8 x 7/8	
17	1001284620	1	Tray, Tilt-Down	
18	1001284622	1	Bracket, LH	
19	1001284623	1	Bracket, RH	
20	7950160143	12	Washer 3/8	
21	7114160850	4	Bolt 3/8 x 1	
22	7660162601	4	Nut 3/8	
23	7950160141	4	Washer 3/8	

FIGURE 4-31. STORAGE - DRAWER INSTALLATION - TILT DOWN 56IN

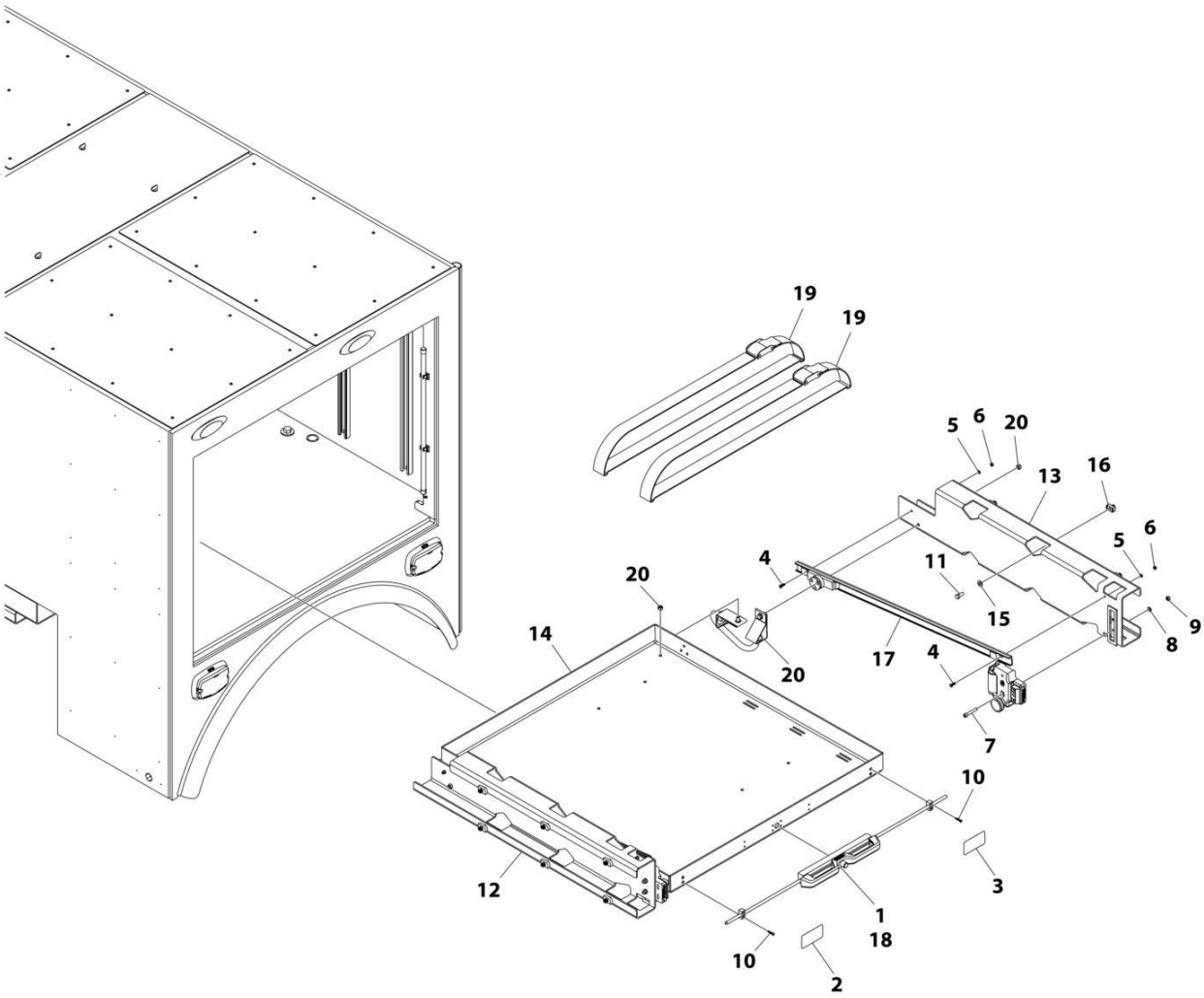


FIGURE 4-31. STORAGE - DRAWER INSTALLATION - TILT DOWN 56IN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001311472	Ref	DRAWER INSTALLATION - TILT DOWN	A
1	3020029	AR	Lubricant	
2	1001170090	1	Decal - Warning, Tilt Down Drawer	
3	1001170091	1	Decal - Max Cap 180LBS	
4	1001170305	4	Screw M6	
5	1001170307	4	Washer M6	
6	1001170310	4	Nut M6	
7	1001170328	4	Screw M8	
8	1001170329	4	Washer M8	
9	1001170330	4	Nut M8	
10	1001200997	4	Screw M5 x 25	
11	1001210454	12	Bolt 3/8 x 7/8	
12	1001284622	1	Bracket (LH)	
13	1001284623	1	Bracket (RH)	
14	1001311547	1	Tray, Tilt Down	
15	7950160143	12	Washer 3/8	
16	1001166644	12	Nut 3/8	
17	1001170331	1	Roller	
18	1001170332	1	Latch	
19	1001170428	2	Strap	
20	1001179349	2	Strap	

FIGURE 4-32. STORAGE - FIFTH WHEEL/PINTLE STORAGE INSTALLATION

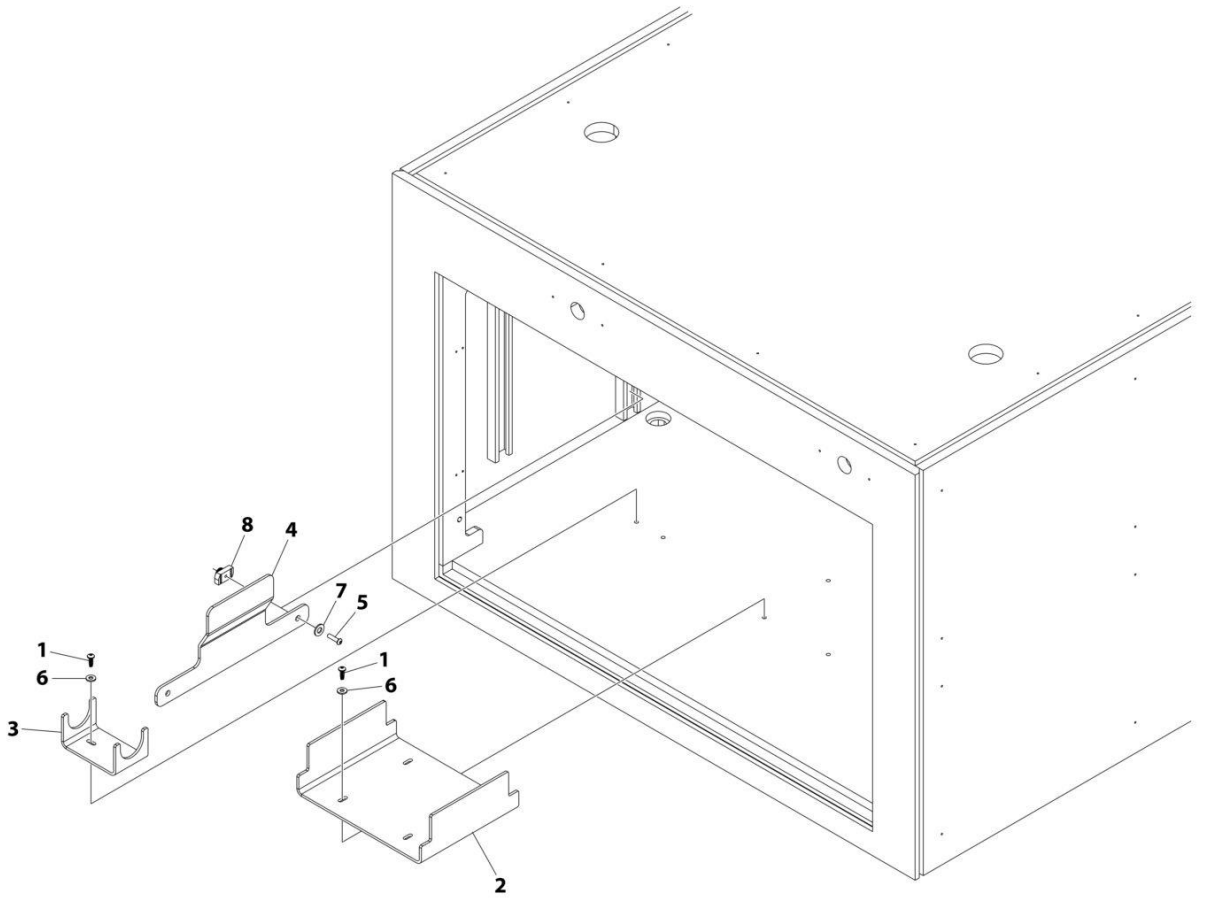


FIGURE 4-32. STORAGE - FIFTH WHEEL/PINTLE STORAGE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294224	Ref	FIFTH WHEEL/PINTLE STORAGE INSTALLATION	C
1	1001194676	6	Screw 1/4 x 3/4	
2	1001284283	1	Bracket	
3	1001284284	1	Channel	
4	1001301919	1	Bracket	
5	7114140818	2	Capscrew 1/4 x 1	
6	7950140143	6	Washer 1/4	
7	7950160143	2	Washer 3/8	
8	1001183037	2	Spring Nut 1/4	

FIGURE 4-33. STORAGE - FIFTH WHEEL/PINTLE STORAGE INSTALLATION

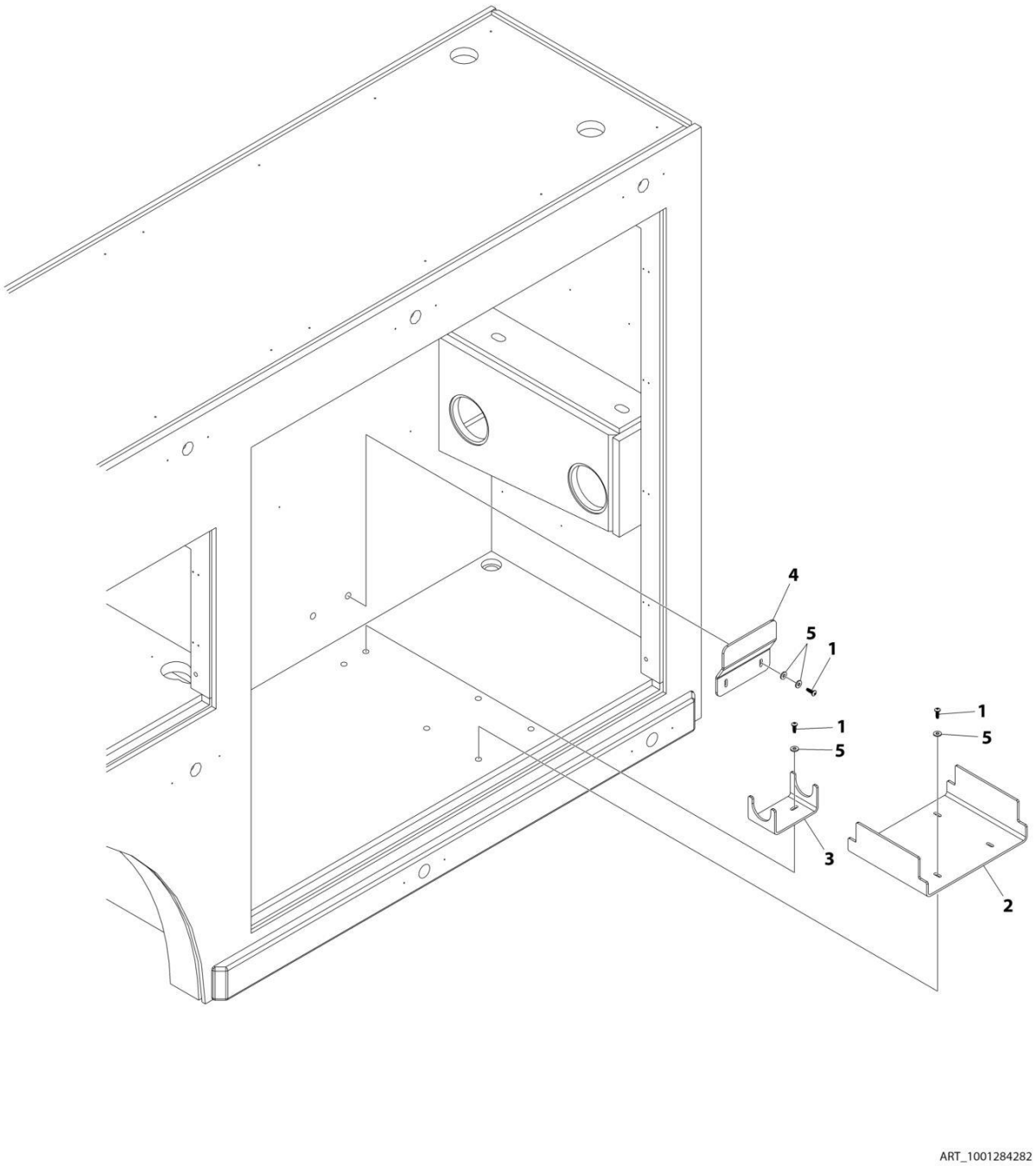


FIGURE 4-33. STORAGE - FIFTH WHEEL/PINTLE STORAGE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284282	Ref	FIFTH WHEEL STORAGE INSTALLATION	C
1	1001194676	8	Screw 1/4 x 3/4	
2	1001284283	1	Bracket	
3	1001284284	1	Channel	
4	1001284285	1	Plate	
5	7950140143	10	Washer 1/4	

FIGURE 4-34. STORAGE - FORK RISERS STORAGE INSTALLATION

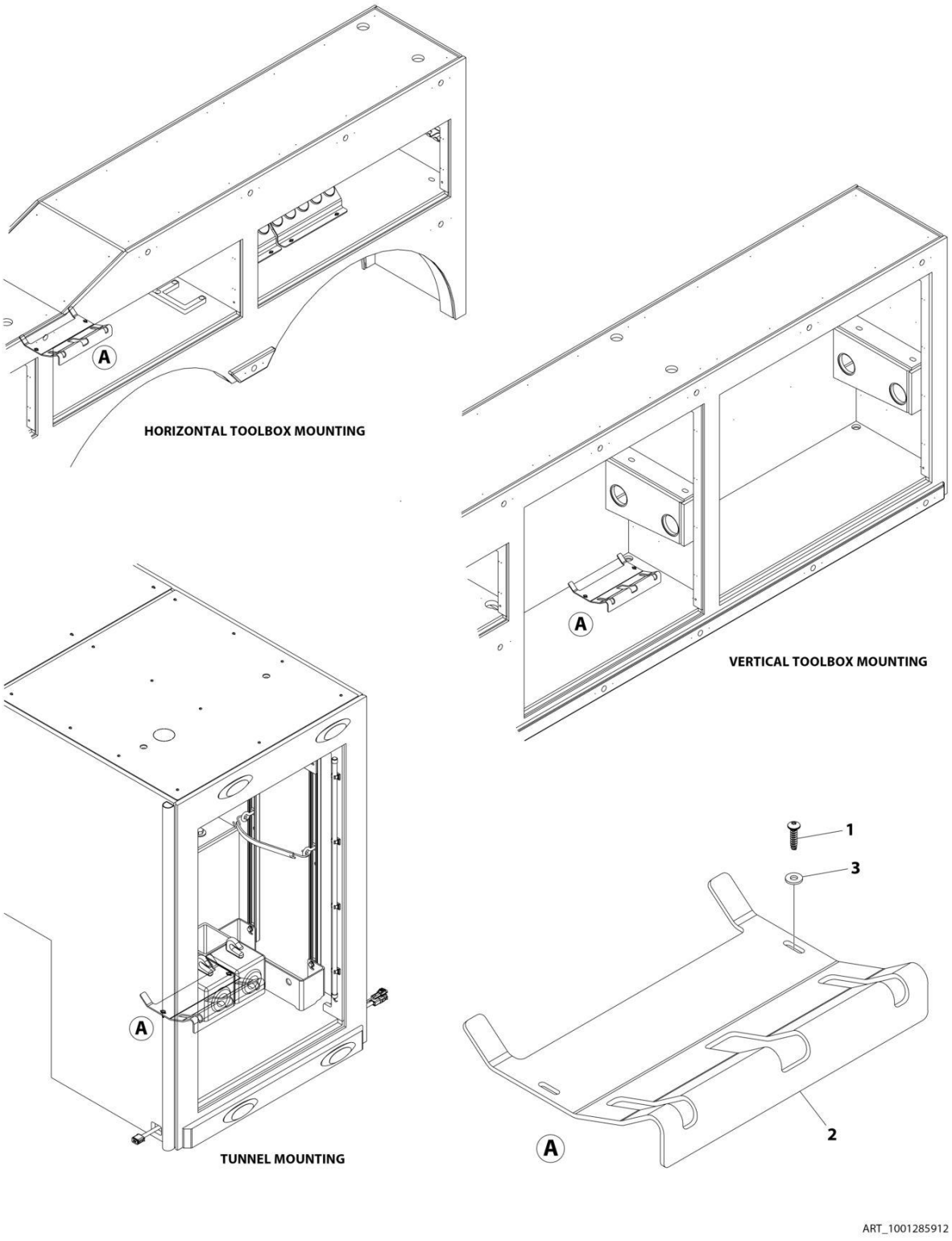
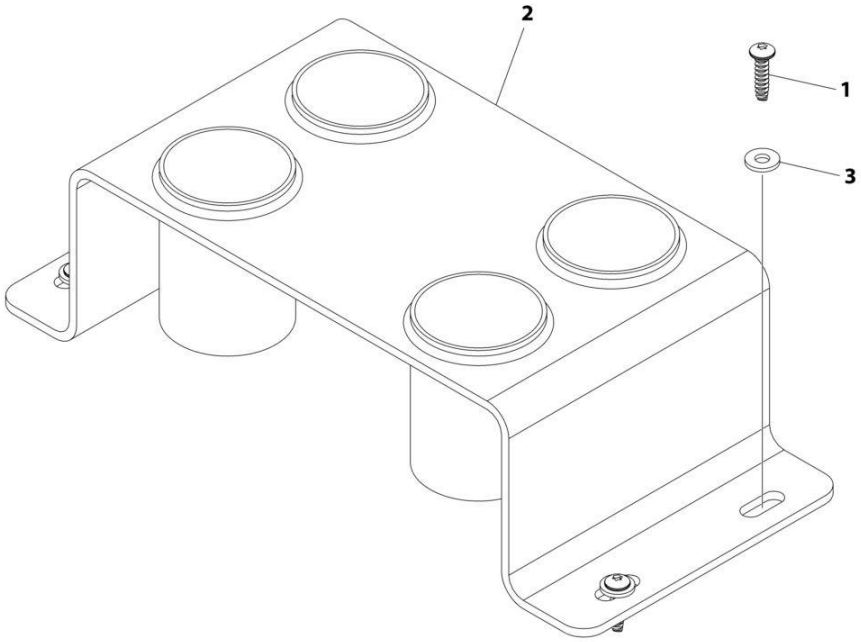


FIGURE 4-34. STORAGE - FORK RISERS STORAGE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285912	Ref	FORK RISERS STORAGE INSTALLATION	C
1	1001195523	2	Screw 1/4 x 1	
2	1001285911	1	Bracket, Storage	
3	7950140143	2	Washer 1/4	

FIGURE 4-35. STORAGE - FORK STORAGE INSTALLATION - SPRING FORKS REAR



ART_1001307887

FIGURE 4-35. STORAGE - FORK STORAGE INSTALLATION - SPRING FORKS REAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307887	Ref	FORK STORAGE INSTALLATION - REAR	D
1	1001195523	4	Screw 1/4 x 1	
2	1001307882	1	Bracket, Fork Storage	
3	7950140143	4	Washer 1/4	

FIGURE 4-36. STORAGE - FRAME FORKS

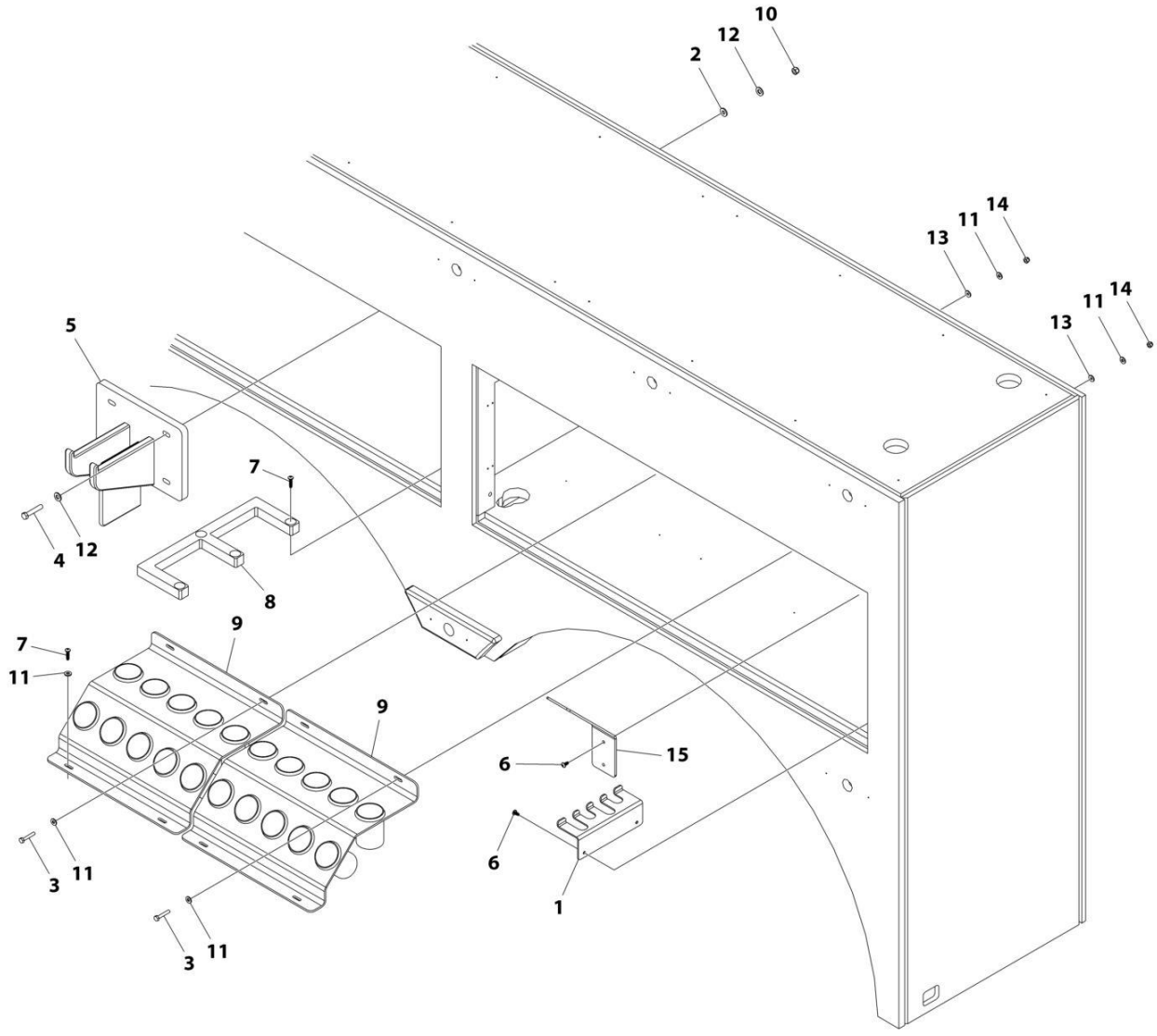


FIGURE 4-36. STORAGE - FRAME FORKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284294	Ref	FRAME FORK STORAGE INSTALLATION (HORITZONAL)	D
1	1001160799	1	Bracket	
2	1001166974	4	Washer 3/8	
3	7115141250	4	Capscrew 1/4 x 1-1/2	
4	1001169083	4	Capscrew 3/8 x 2	
5	1001190926	1	Bracket	
6	1001195257	4	Screw 1/4 x 1/2	
7	1001195523	8	Screw 1/4 x 1	
8	1001195838	1	Bracket	
9	1001284296	2	Bracket	
10	7660162601	4	Nut 3/8	
11	7950140143	12	Washer 1/4	
12	7950160143	8	Washer 3/8	
13	1001166978	4	Washer 1/4	
14	7660142601	4	Nut 1/4	
15	1001285358	1	Bracket	

FIGURE 4-37. STORAGE - OUTRIGGER PADS

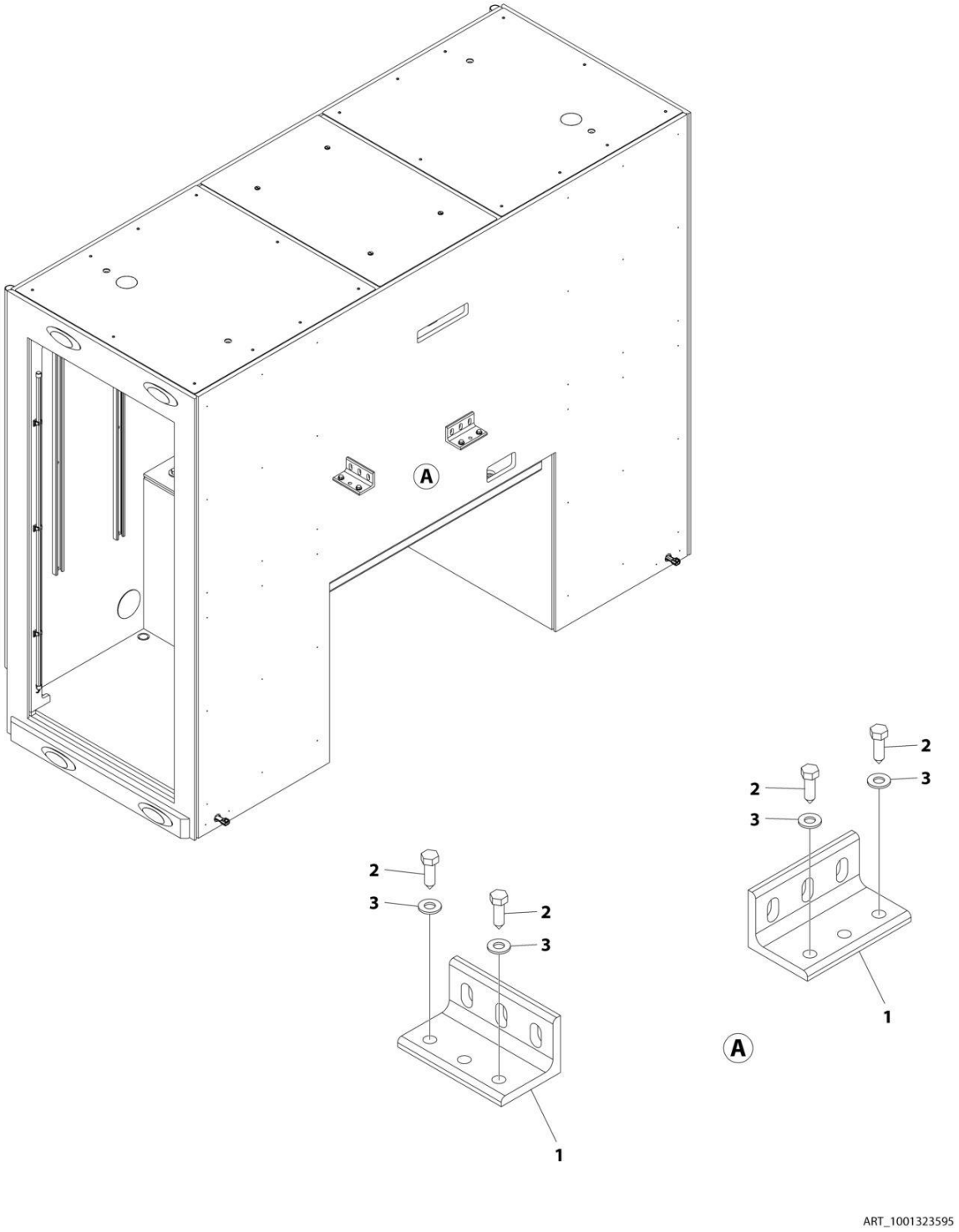


FIGURE 4-37. STORAGE - OUTRIGGER PADS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323595	Ref	STORAGE - OUTRIGGER PADS	B
1	4017001271	2	Angle	
2	1001168545	4	Capscrew 3/8 x 1-1/4	
3	7950160143	4	Washer 3/8	

FIGURE 4-38. STORAGE - SPREADER BAR

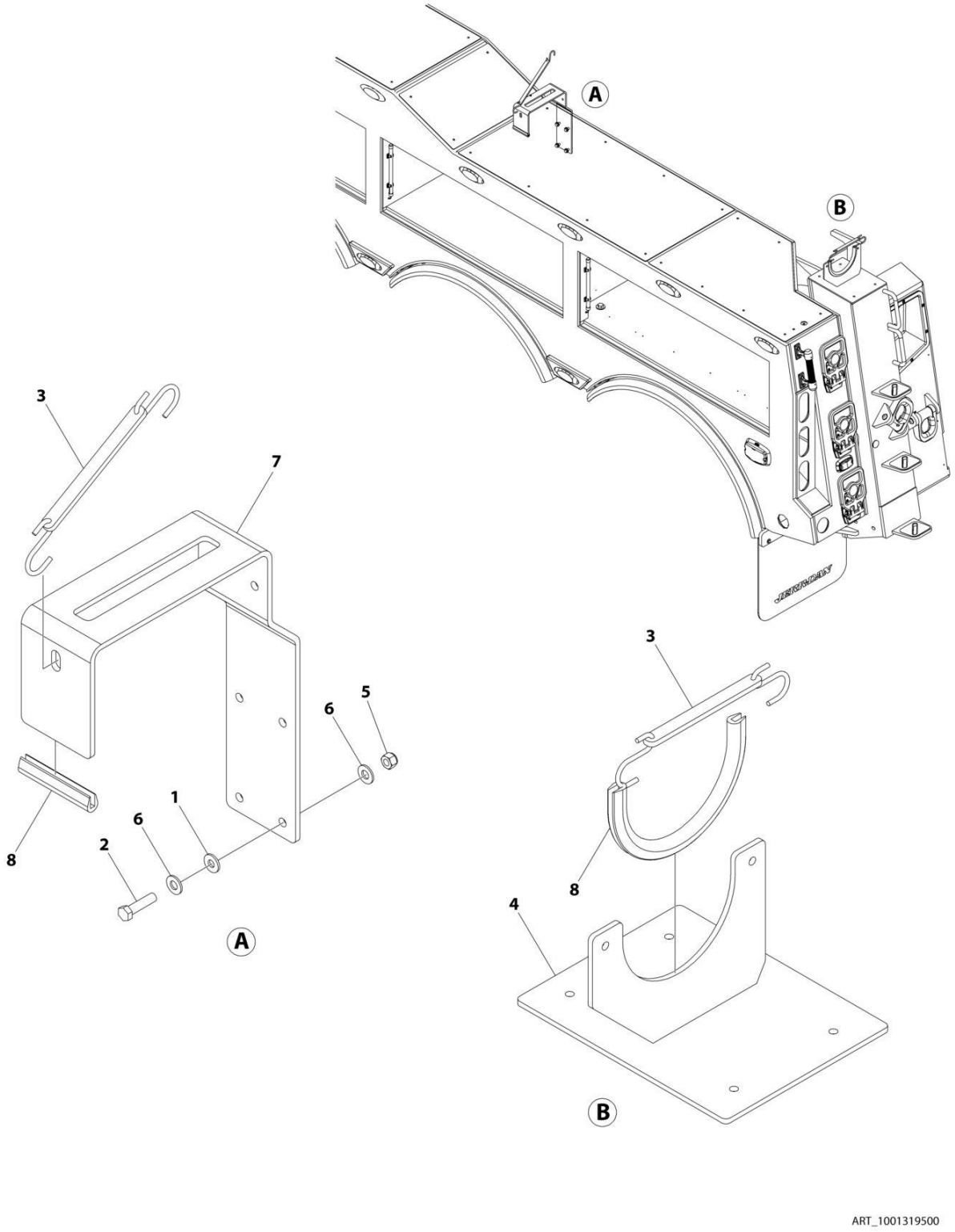


FIGURE 4-38. STORAGE - SPREADER BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001319500	Ref	STORAGE - SPREADER BAR	A
1	1001166974	4	Washer 3/8	
2	1001168993	4	Bolt 3/8 x 1-1/2	
3	1001191736	2	Strap	
4	1001319499	1	Bracket	
5	7660162601	4	Nut 3/8	
6	7950160143	8	Washer 3/8	
7	1001319496	1	Plate	
8	8632760025	1.5 ft	Moulding	

FIGURE 4-39. STORAGE - TIRE LIFT - BUS ARMS & RACHETS

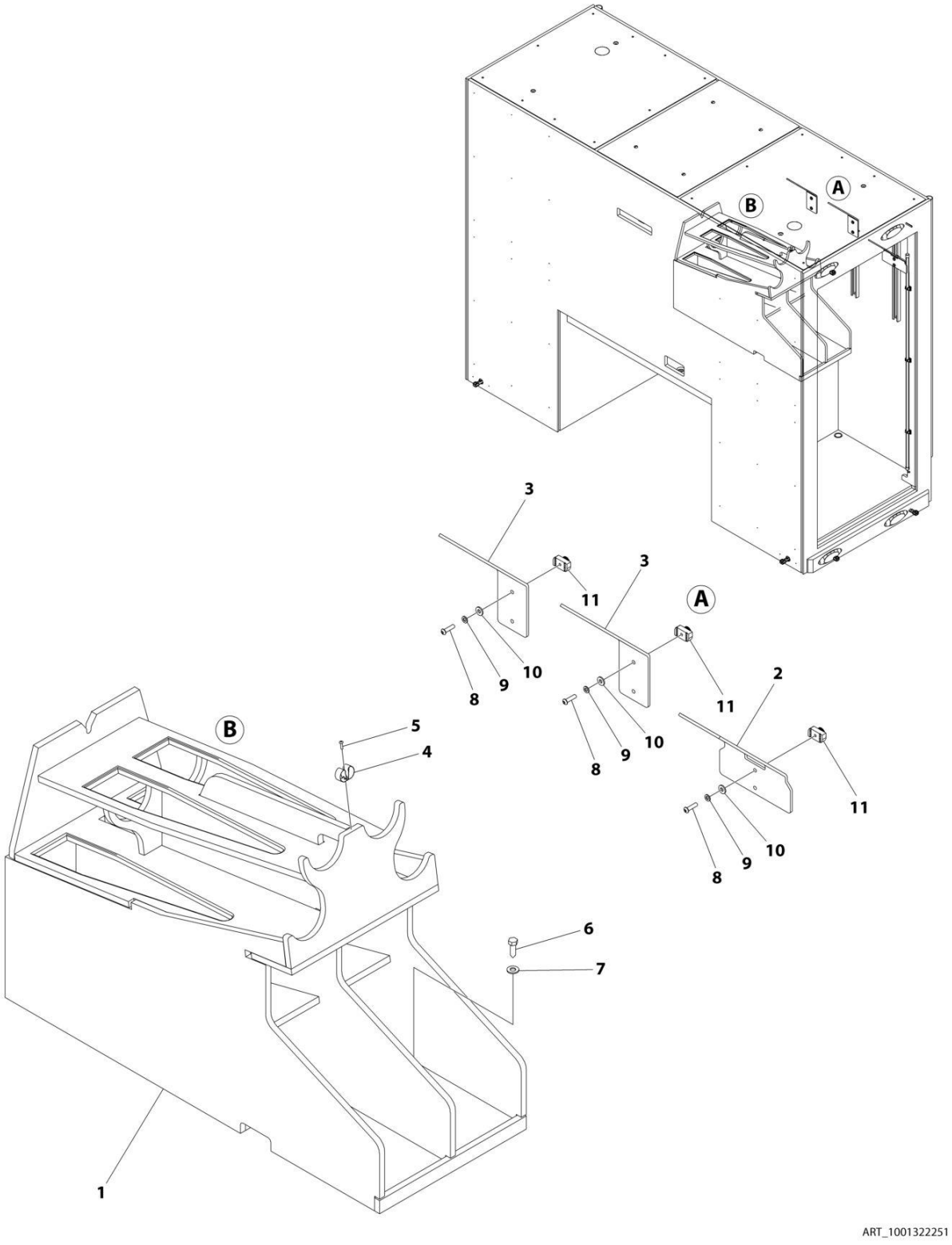


FIGURE 4-39. STORAGE - TIRE LIFT - BUS ARMS & RACHETS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001322251	Ref	TIRE STORAGE INSTALLATION	A
1	1001192287	1	Storage	
2	1001285357	1	Bracket	
3	1001285358	2	Bracket	
4	1380135	1	Clip	
5	3900339	1	Screw #6 x 1/2	
6	1001168545	4	Screw 3/8 x 1-1/4	
7	7950160143	4	Washer 3/8	
8	7114140818	6	Capscrew 1/4 x 1	
9	7950140000	6	Washer 1/4	
10	7950140143	6	Washer 1/4	
11	1001183037	6	Nut 1/4	

FIGURE 4-40. TUNNEL INSTALLATION - 38IN (TALL)

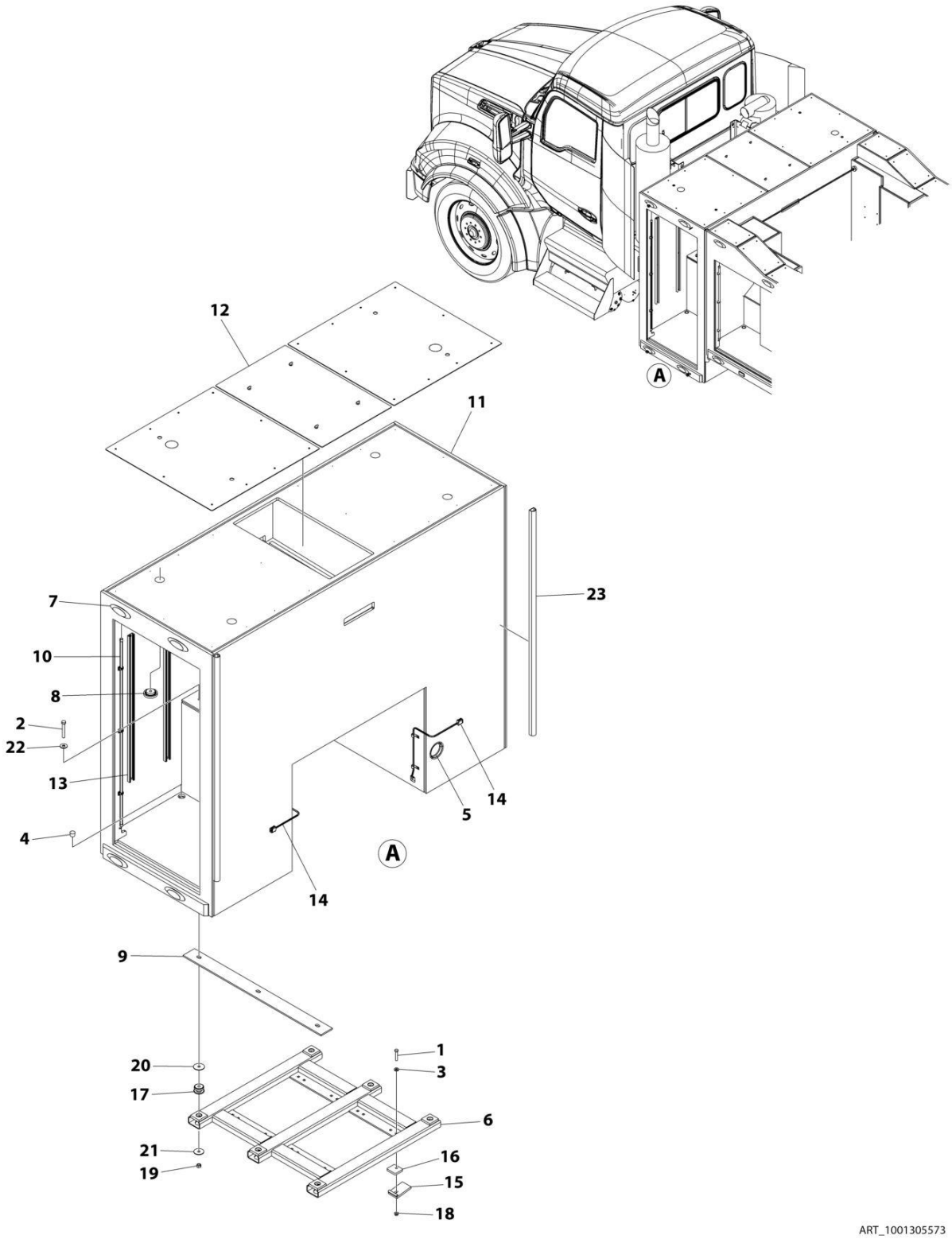


FIGURE 4-40. TUNNEL INSTALLATION - 38IN (TALL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305573	Ref	TUNNEL INSTALLATION - 38IN ROTATOR	B
1	0641822	8	Bolt 1/2 x 2-3/4	
2	0642034	6	Bolt 5/8 x 4-1/4	
3	4891800	8	Washer 1/2	
4	1001173847	4	Plug	
5	1001177203	1	Plug	
6	1001187063	1	Mount, Tunnel	
7	1001196625	Ref	Marker Lights Installation (See Separate Breakdown in ELECTRICAL Section)	
8	1001196808	Ref	Lifting Lugs Installation (See Separate Breakdown in this Section)	
9	1001197338	2	Support, Tunnel	
10	1001306159	Ref	Compartment Lights Installation (See Separate Breakdown in ELECTRICAL Section)	
11	1001305575	1	Box, Tunnel	
12	1001305953	Ref	Diamond Plate Installation (See Separate Breakdown in this Section)	
13	1001306069	Ref	T-Slots Installation (See Separate Breakdown in this Section)	
14	1001306277	Ref	Harness Installation (See Separate Breakdown in ELECTRICAL Section)	
15	3274000011	8	Clamp	
16	4705000705	8	Plate	
17	7636000008	6	Mount	
18	7660182301	8	Nut 1/2 Grd 8	
19	7660200001	6	Nut 5/8	
20	7949000019	6	Washer	
21	7949000020	6	Washer	
22	7950200161	6	Washer 5/8	
23	8632000011	11 ft	Seal	

FIGURE 4-41. TUNNEL INSTALLATION - 38IN (SHORT)

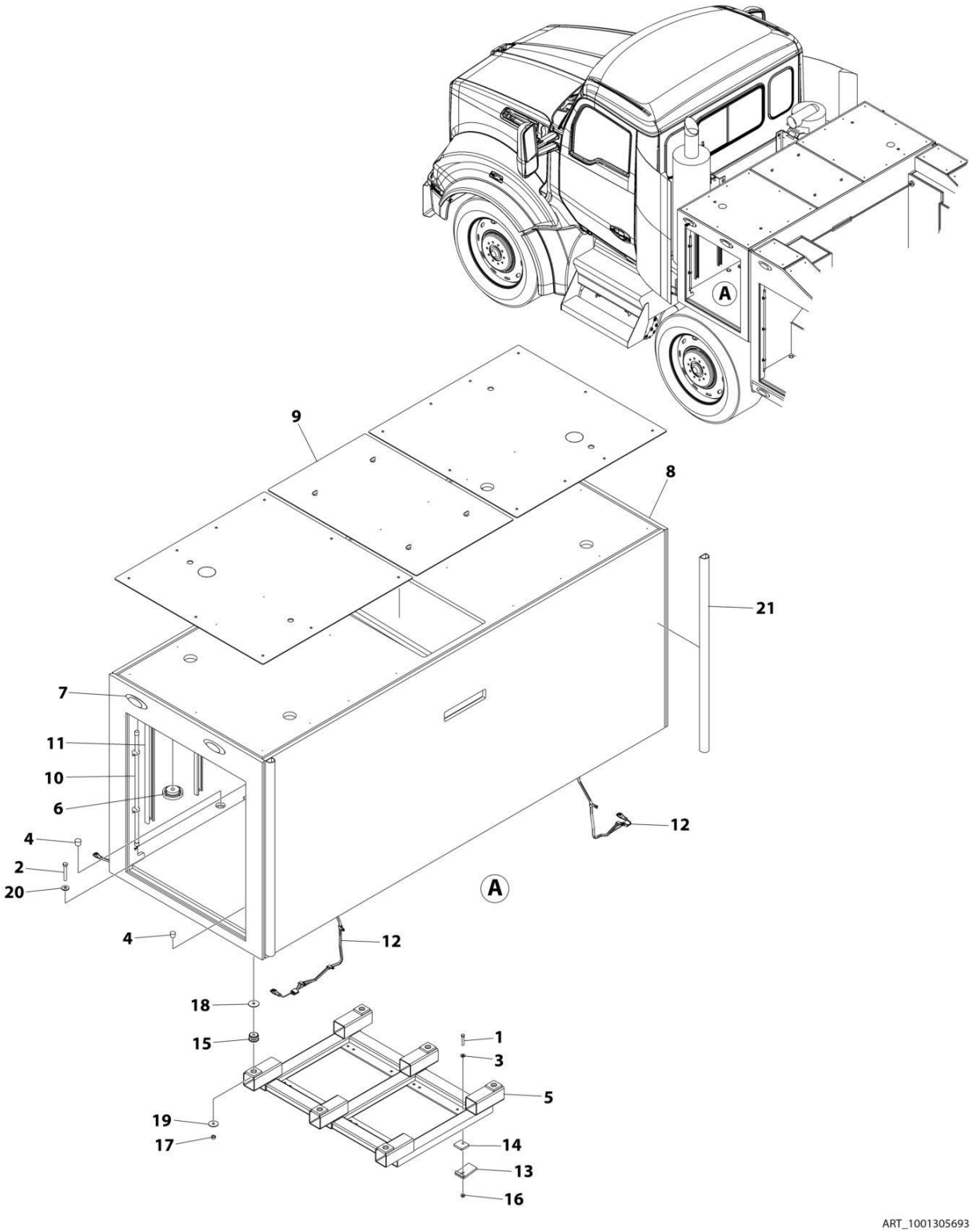


FIGURE 4-41. TUNNEL INSTALLATION - 38IN (SHORT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305693	Ref	TUNNEL INSTALLATION - 38IN ROTATOR	B
1	0641822	8	Bolt 1/2 x 2-3/4	
2	0642044	6	Bolt 5/8 x 5-1/2	
3	4891800	8	Washer 1/2	
4	1001173847	4	Plug	
5	1001182562	1	Support, Tunnel	
6	1001196808	Ref	Lifting Lugs Installation (See Separate Breakdown in this Section)	
7	1001294089	Ref	Marker Lights Installation (See Separate Breakdown in ELECTRICAL Section)	
8	1001305692	1	Box, Tunnel	
9	1001305953	Ref	Diamond Plate Installation (See Separate Breakdown in this Section)	
10	1001307022	Ref	Compartment Lights Installation (See Separate Breakdown in ELECTRICAL Section)	
11	1001307166	Ref	T-Slots Installation (See Separate Breakdown in this Section)	
12	1001307543	Ref	Harness Installation (See Separate Breakdown in ELECTRICAL Section)	
13	3274000011	8	Clamp	
14	4705000705	8	Plate	
15	7636000008	6	Mount	
16	7660182301	8	Nut 1/2 Grd 8	
17	7660200001	6	Nut 5/8	
18	7949000019	6	Washer	
19	7949000020	6	Washer	
20	7950200161	6	Washer 5/8	
21	8632000011	7 ft	Seal	

FIGURE 4-42. TUNNEL INSTALLATION - 50IN (TALL)

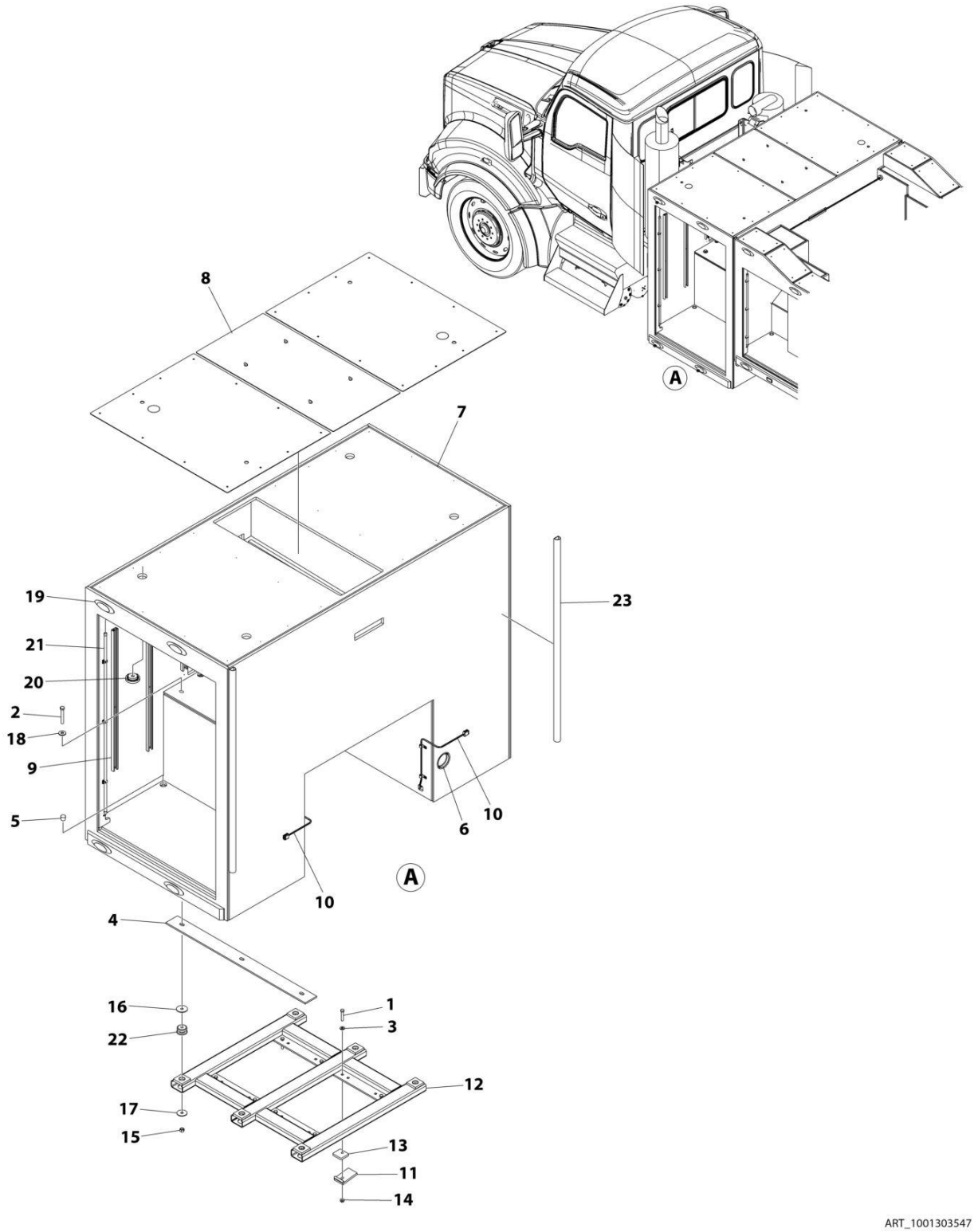


FIGURE 4-42. TUNNEL INSTALLATION - 50IN (TALL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303547	Ref	TUNNEL INSTALLATION - 50IN TALL	A
1	0641822	8	Bolt 1/2 x 2-3/4	
2	0642034	6	Bolt 5/8 x 4-1/4	
3	4891800	8	Washer 1/2	
4	1001165692	2	Support, Tunnel	
5	1001173847	4	Plug	
6	1001177203	1	Plug	
7	1001305857	1	Box, Tunnel	
8	1001305952	Ref	Diamond Plate Installation (See Separate Breakdown in this Section)	
9	1001306069	Ref	T-Slots Installation (See Separate Breakdown in this Section)	
10	1001306277	Ref	Harness Installation (See Separate Breakdown in ELECTRICAL Section)	
11	3274000011	8	Clamp	
12	3911000068	1	TBX Mount, Tool Box	
13	4705000705	8	Plate	
14	7660182301	8	Nut 1/2 Grd 8	
15	7660200001	6	Nut 5/8	
16	7949000019	6	Washer	
17	7949000020	6	Washer	
18	7950200161	6	Washer 5/8	
19	1001196625	Ref	Marker Lights Installation (See Separate Breakdown in ELECTRICAL Section)	
20	1001196808	Ref	Lifting Lugs Installation (See Separate Breakdown in this Section)	
21	1001306159	Ref	Compartment Lights Installation (See Separate Breakdown in ELECTRICAL Section)	
22	7636000008	6	Mount	
23	8632000011	11 ft	Seal	

FIGURE 4-43. TUNNEL INSTALLATION - 50IN (SHORT)

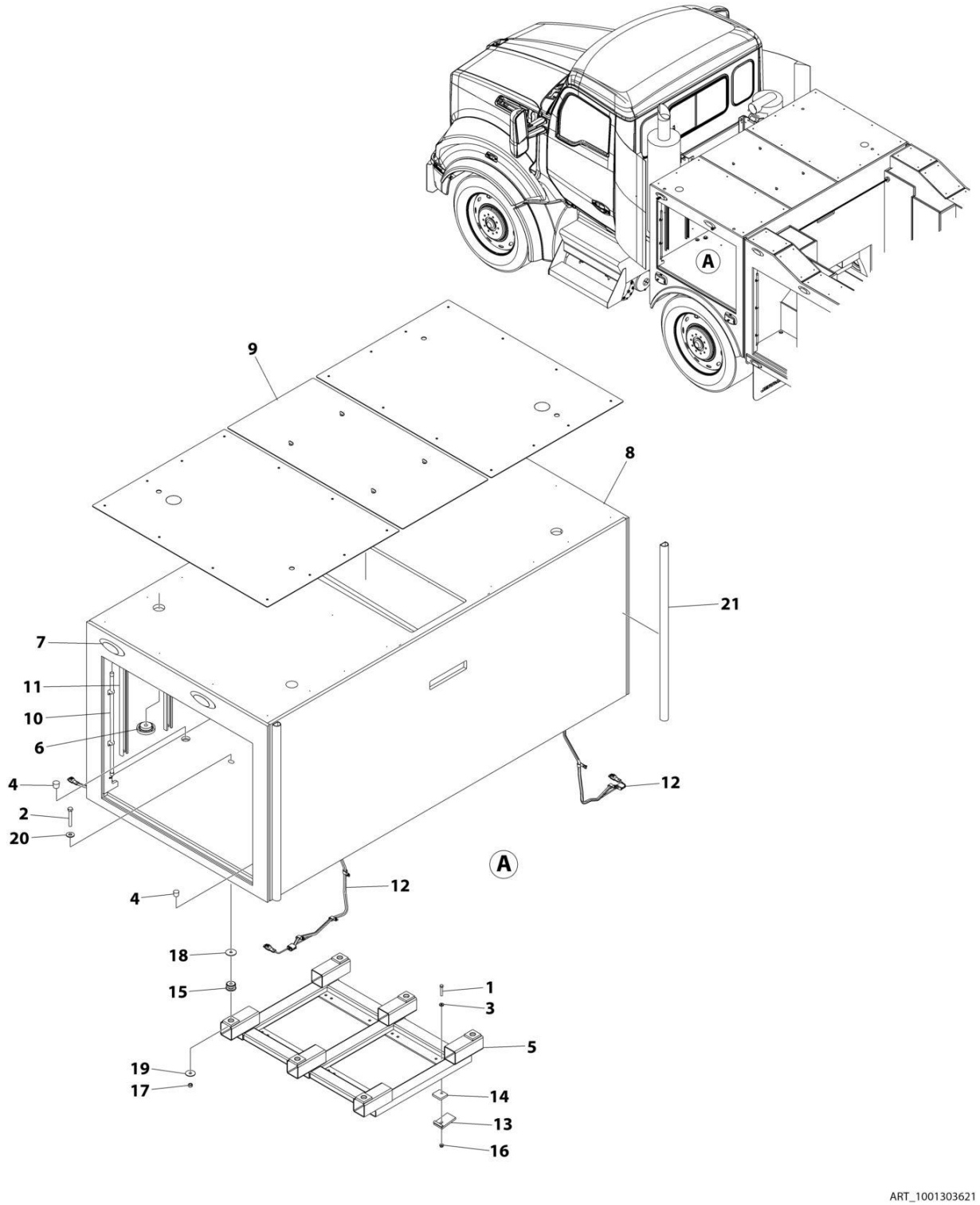


FIGURE 4-43. TUNNEL INSTALLATION - 50IN (SHORT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303621	Ref	TUNNEL INSTALLATION - 50IN SHORT	B
1	0641822	8	Bolt 1/2 x 2-3/4	
2	0642044	6	Bolt 5/8 x 5-1/2	
3	4891800	8	Washer 1/2	
4	1001173847	4	Plug	
5	1001182562	1	Support, Tunnel	
6	1001196808	Ref	Lifting Lugs Installation (See Separate Breakdown in this Section)	
7	1001294089	Ref	Marker Lights Installation (See Separate Breakdown in ELECTRICAL Section)	
8	1001305864	1	Box, Tunnel	
9	1001305952	Ref	Diamond Plate Installation (See Separate Breakdown in this Section)	
10	1001307022	Ref	Compartment Lights Installation (See Separate Breakdown in ELECTRICAL Section)	
11	1001307166	Ref	T-Slots Installation (See Separate Breakdown in this Section)	
12	1001307543	Ref	Harness Installation (See Separate Breakdown in ELECTRICAL Section)	
13	3274000011	8	Clamp	
14	4705000705	8	Plate	
15	7636000008	6	Mount	
16	7660182301	8	Nut 1/2 Grd 8	
17	7660200001	6	Nut 5/8	
18	7949000019	6	Washer	
19	7949000020	6	Washer	
20	7950200161	6	Washer 5/8	
21	8632000011	7 ft	Seal	

FIGURE 4-44. TUNNEL INSTALLATION - 56IN (TDM STEER)

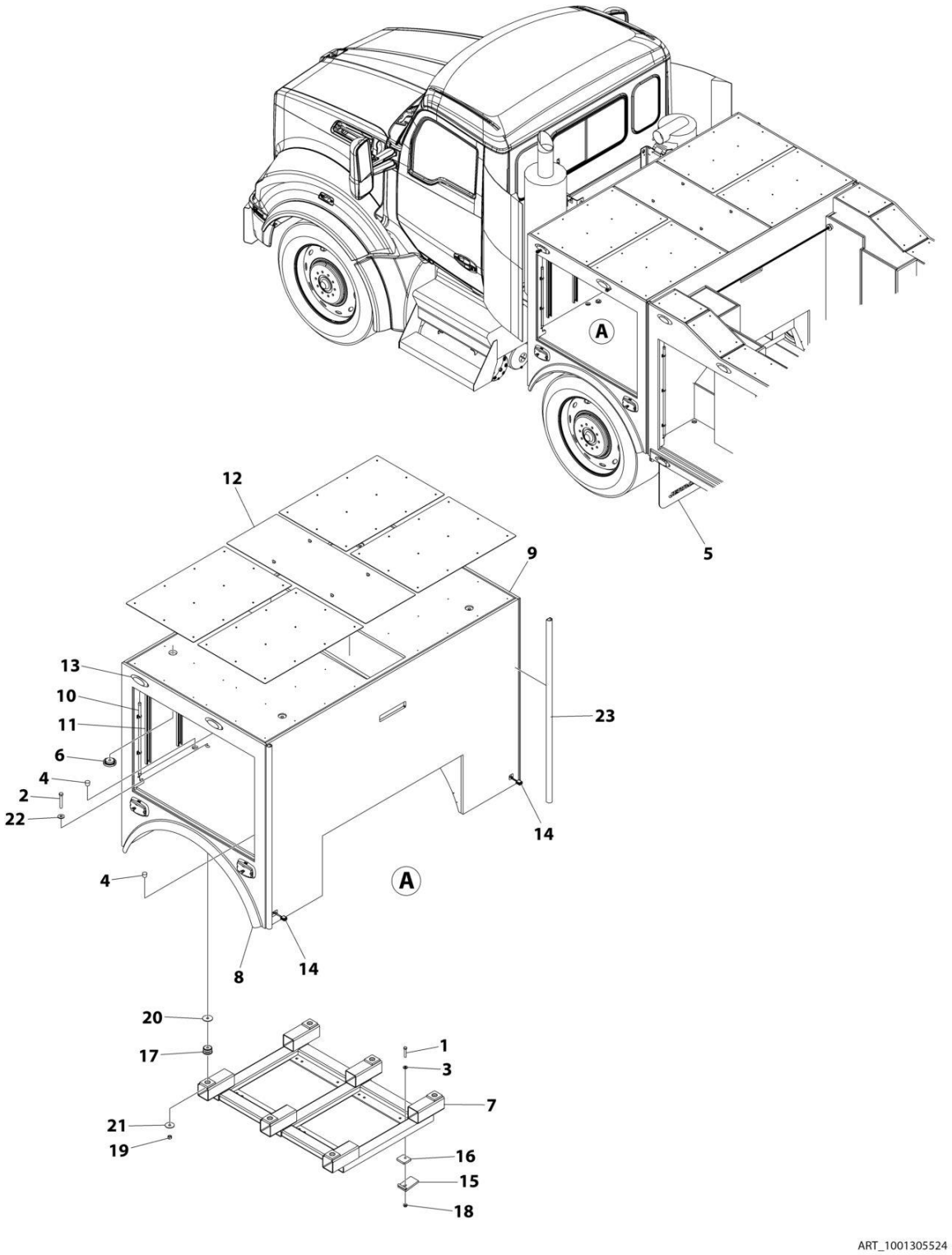


FIGURE 4-44. TUNNEL INSTALLATION - 56IN (TDM STEER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305524	Ref	TUNNEL INSTALLATION - 56IN TDM STEER	A
1	0641822	8	Bolt 1/2 x 2-3/4	
2	0642034	6	Bolt 5/8 x 4-1/4	
3	4891800	8	Washer 1/2	
4	1001173847	4	Plug	
5	1001196790	Ref	Mud Flap Installation (See Separate Breakdown in this Section)	
6	1001196808	Ref	Lifting Lugs Installation (See Separate Breakdown in this Section)	
7	1001228634	1	Mount, Tunnel	
8	1001310746	Ref	Fender Flare and Liner Installation (See Separate Breakdown in this Section)	
9	1001306626	1	Box, Tunnel	
10	1001307022	Ref	Compartment Lights Installation (See Separate Breakdown in ELECTRICAL Section)	
11	1001307166	Ref	T-Slots Installation (See Separate Breakdown in this Section)	
12	1001307167	Ref	Diamond Plate Installation (See Separate Breakdown in this Section)	
13	1001307297	Ref	Marker Lights Installation (See Separate Breakdown in ELECTRICAL Section)	
14	1001307298	Ref	Harness Installation (See Separate Breakdown in ELECTRICAL Section)	
15	3274000011	8	Clamp	
16	4705000705	8	Plate	
17	7636000008	6	Mount	
18	7660182301	8	Nut 1/2 Grd 8	
19	7660200001	6	Nut 5/8	
20	7949000019	6	Washer	
21	7949000020	6	Washer	
22	7950200161	6	Washer 5/8	
23	8632000011	20 ft	Seal	

FIGURE 4-45. T-SLOTS INSTALLATION - TALL TUNNEL

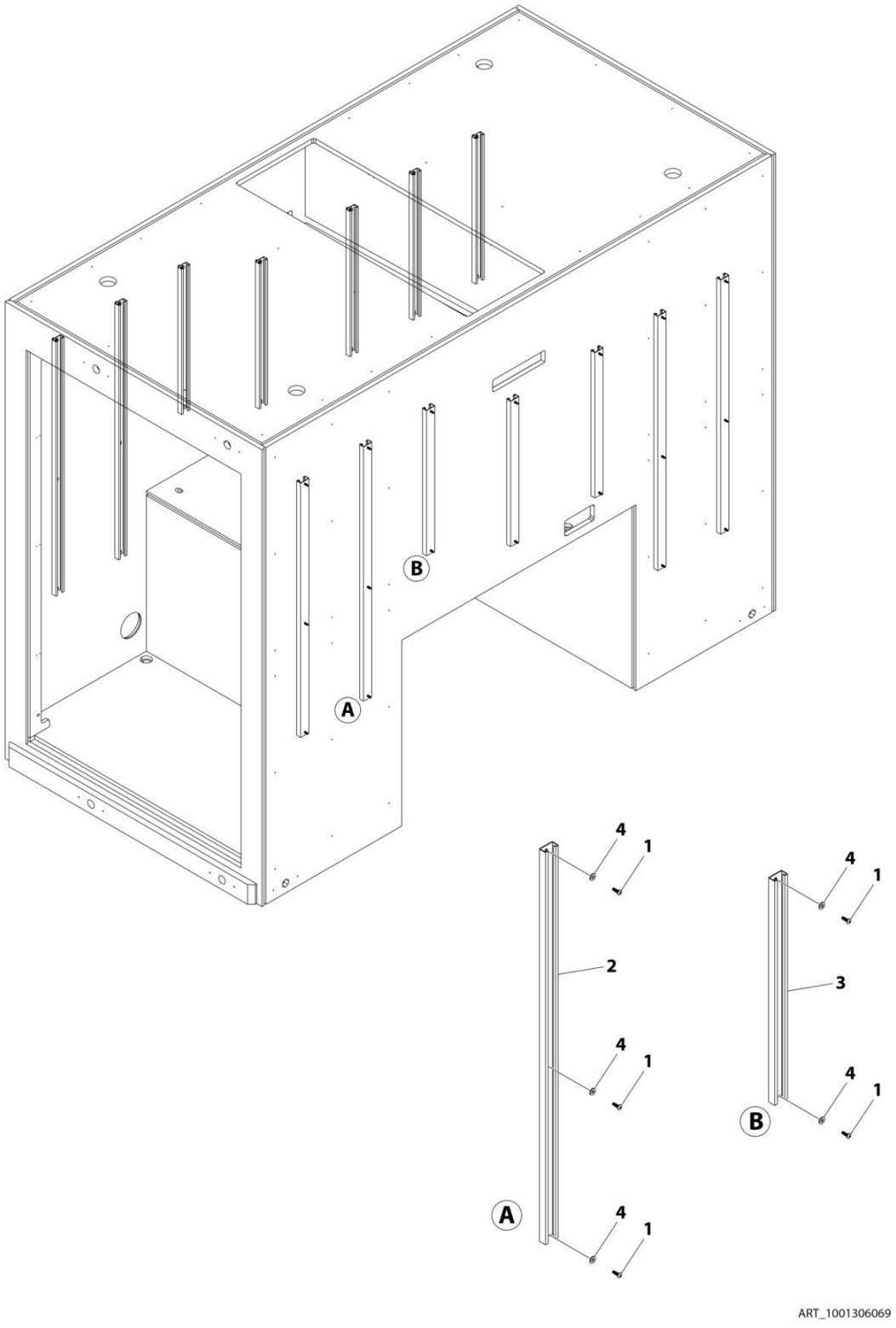


FIGURE 4-45. T-SLOTS INSTALLATION - TALL TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306069	Ref	T-SLOTS INSTALLATION	B
1	1001194676	34	Screw 1/4 x 3/4	
2	1001277611	8	Channel, T-Slot	
3	1001277612	6	Channel, T-Slot	
4	7950140141	34	Washer 1/4	

FIGURE 4-46. T-SLOTS INSTALLATION - SHORT TUNNEL & 56IN TUNNEL

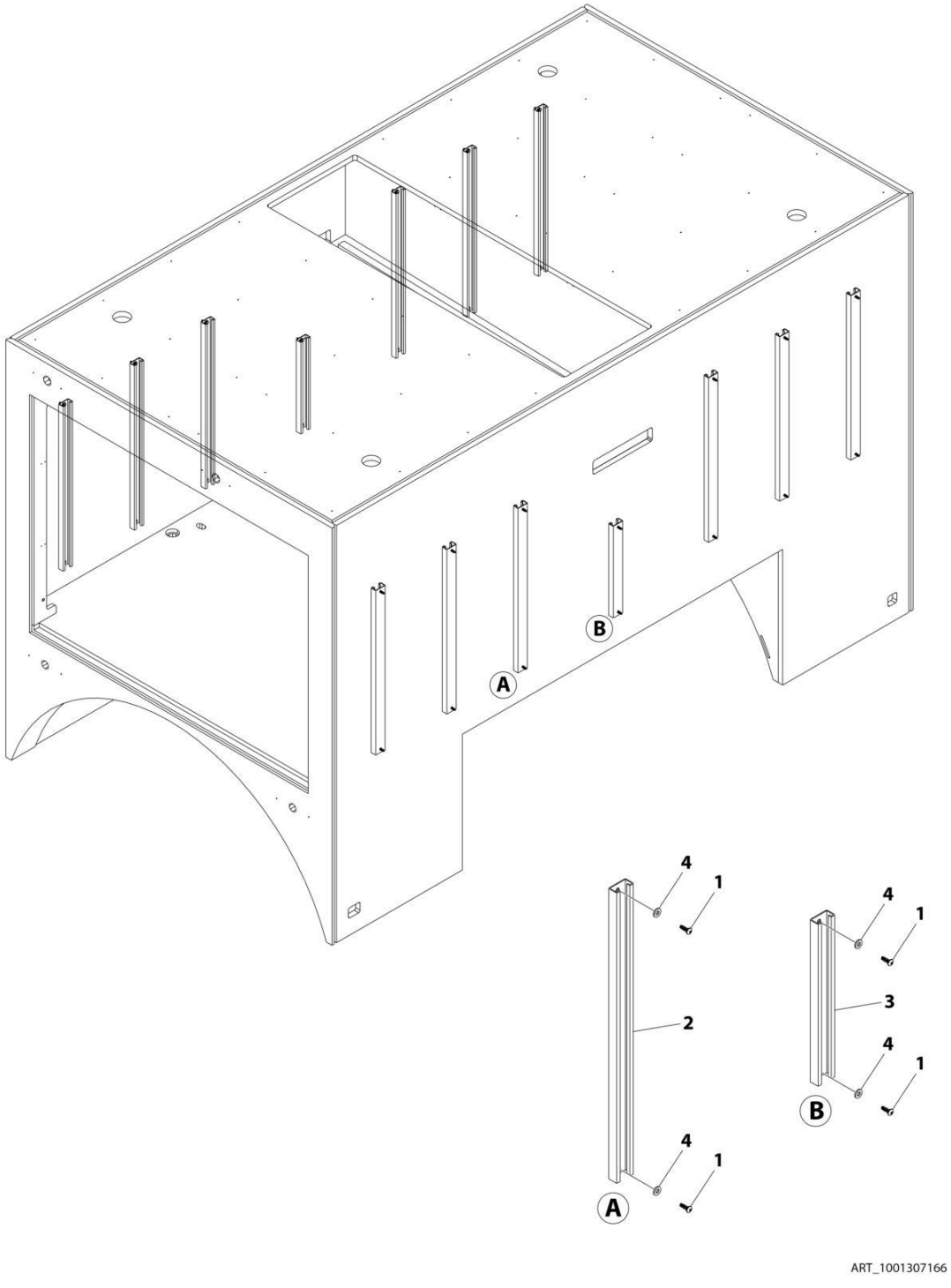


FIGURE 4-46. T-SLOTS INSTALLATION - SHORT TUNNEL & 56IN TUNNEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307166	Ref	T-SLOTS INSTALLATION	A
1	1001194676	28	Screw 1/4 x 3/4	
2	1001277611	12	Channel, T-Slot	
3	1001279673	2	Channel, T-Slot	
4	7950140141	28	Washer 1/4	

SECTION 5 - CONTROLS

FIGURE 5-1. AIR INSTALLATION

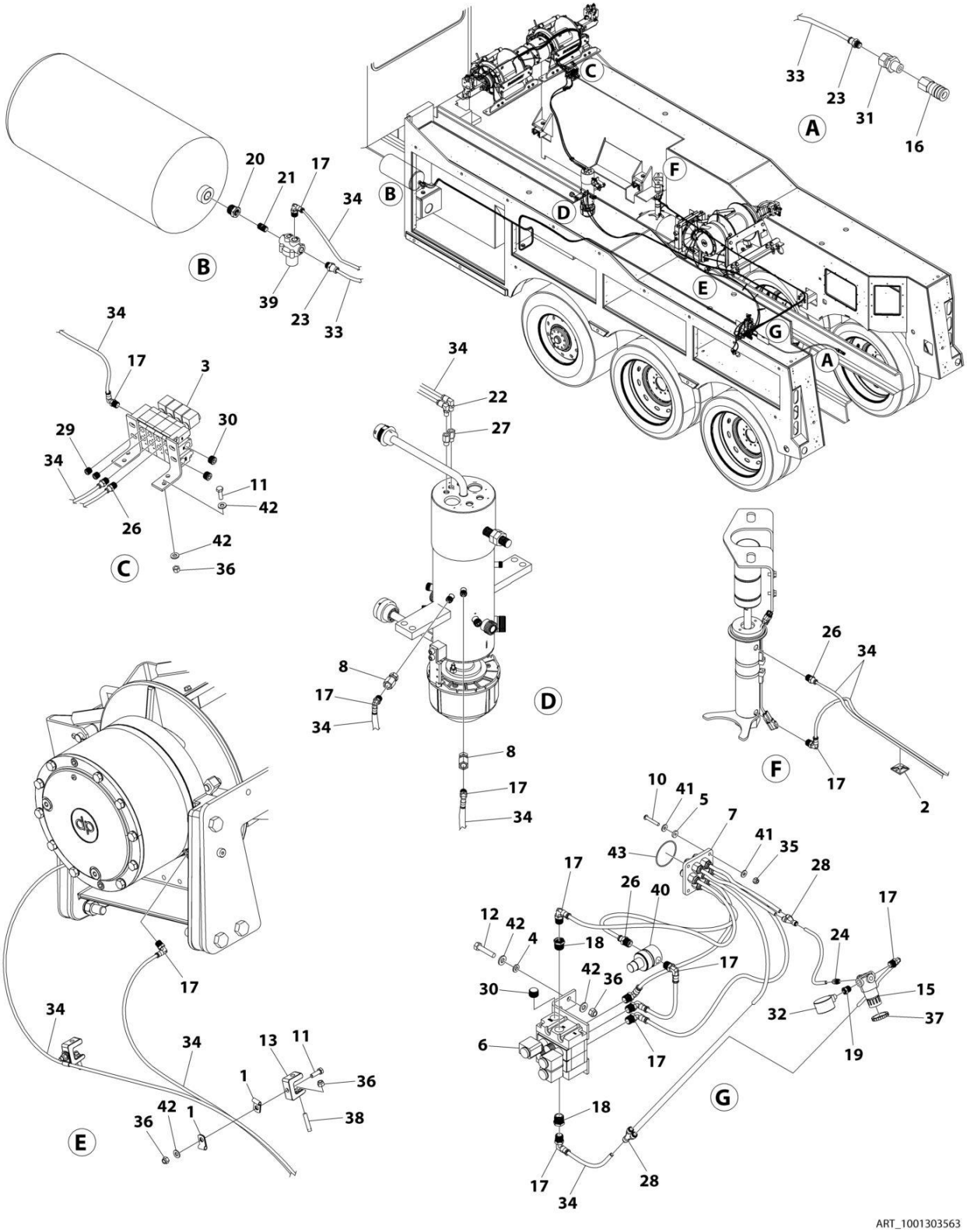
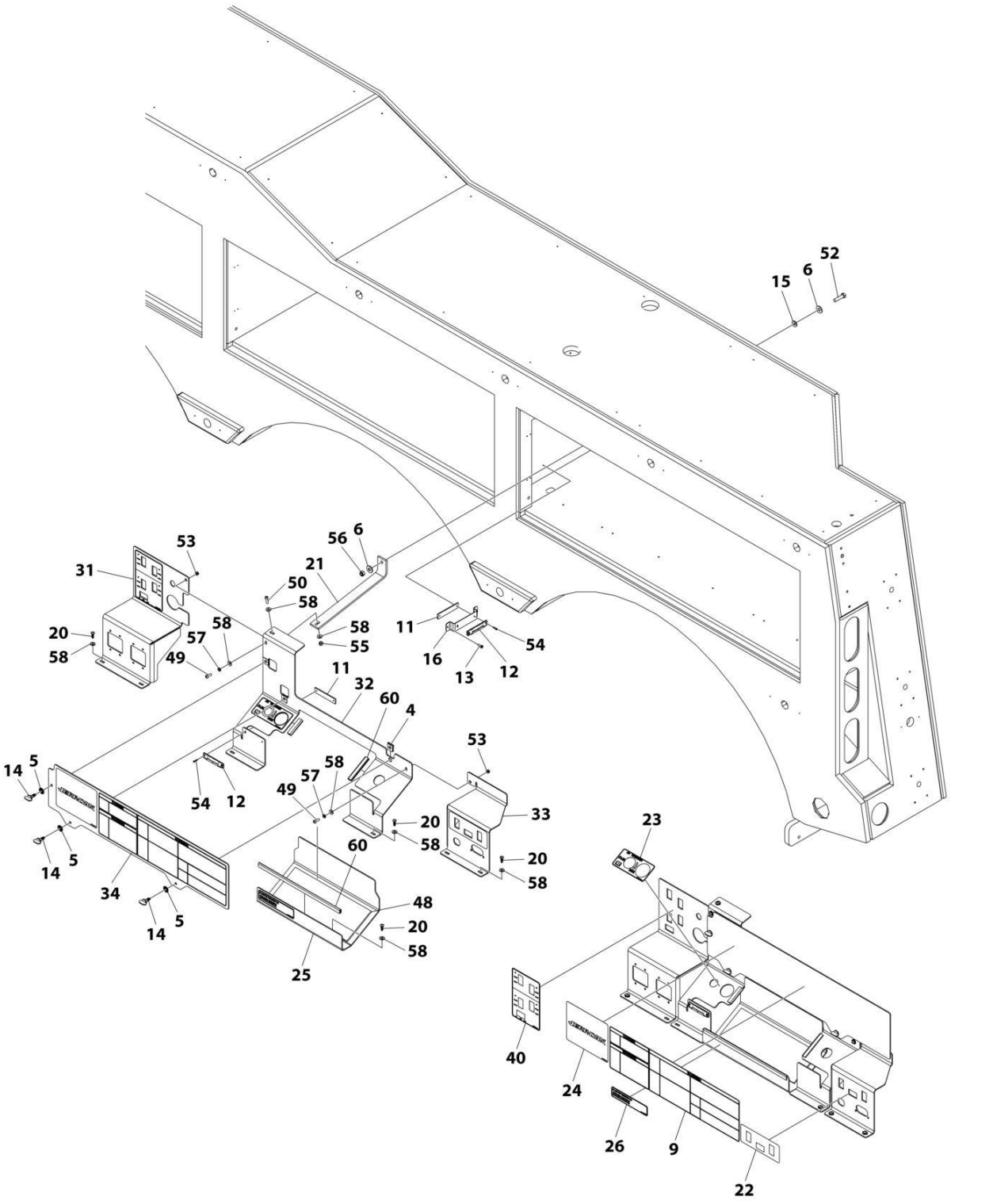


FIGURE 5-1. AIR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303563	Ref	AIR INSTALLATION	C
1	1320301	5	Clamp	
2	4460234	6	Mount	
3	1001157941	1	Air Valve 4 Section Assembly (See Separate Breakdown in HYDRAULIC Section)	
4	1001197482	4	Washer 5/16	
5	1001207736	4	Washer #10	
6	1001227641	1	Valve, Air	
7	1001297064	1	Bulkhead	
8	1001305522	2	Fitting, Straight	
9	5526000553	52	Tie-Strap (Not Shown)	
10	7114101018	4	Screw #10 x 1-1/4	
11	7115150850	7	Bolt 5/16 x 1	
12	7115151250	4	Capscrew 5/16 x 1-1/2	
13	7274000076	3	Clamp	
15	7295000029	1	Regulator, Air	
16	7312000017	1	Coupling, Quick Disconnect	
17	7443000139	13	Fitting, Straight	
18	7443000148	3	Bushing	
19	7443000149	1	Bushing	
20	7443000154	1	Bushing	
21	7443000156	1	Fitting, Straight	
22	7443000173	2	Fitting, 90	
23	7446060435	2	Fitting, Straight	
24	7443000177	1	Fitting, Straight	
26	7443000329	4	Fitting, Straight	
27	7443000414	2	Fitting, Straight	
28	7443000448	3	Fitting, Union	
29	7444020013	2	Plug	
30	7444030037	3	Plug	
31	7446502518	1	Fitting, Bulkhead	
32	7470000006	1	Gauge, Air Pressure	
33	7565000014	25 ft	Tubing, Airline	
34	7565000016	130 ft	Tubing, Airline	
35	7660102601	4	Nut #10	
36	7660152601	14	Nut 5/16	
37	7661000041	1	Nut	
38	7785152420	3	Screw 5/16 x 1-1/2	
39	7935000120	1	Valve, Pressure Protection	
40	7935000248	1	Valve, Air Regulator	
41	7950100143	8	Washer 3/16	
42	7950150143	19	Washer 5/16	
43	8798820001	AR	Sealant	

FIGURE 5-2. CONTROL VALVE INSTALLATION



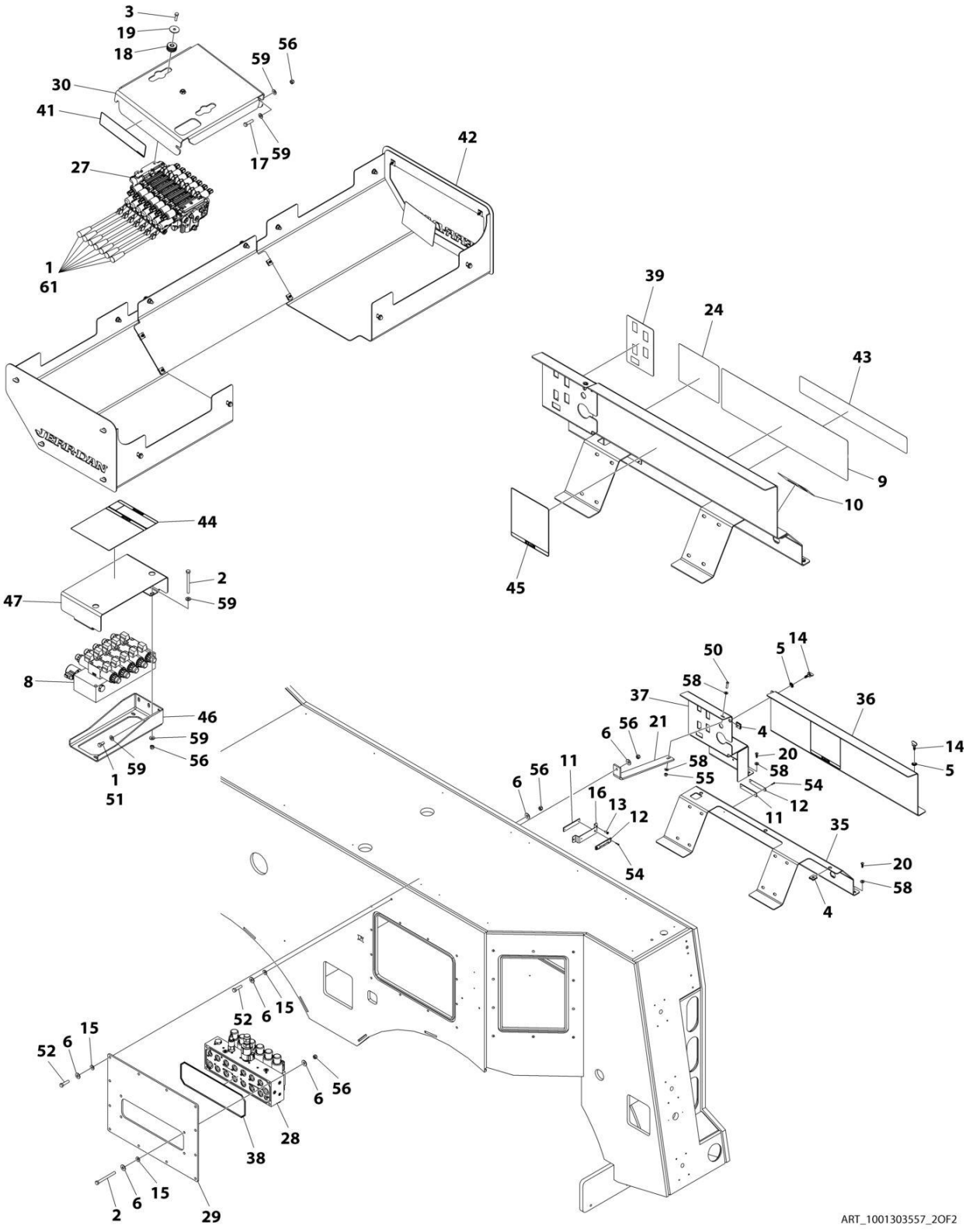

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FIGURE 5-2. CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303557	Ref	CONTROL VALVE INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0641632	7	Bolt 3/8 x 4	
3	0760814	4	Bolt M8 x 30	
4	1380169	7	Clip	
5	3760308	7	Ring, Retainer	
6	4751600	36	Washer 3/8	
7	1001095650	AR	Adhesive (Not Shown)	
8	1001134376	1	Valve, Outrigger Control (See Separate Breakdown in HYDRAULIC Section)	
9	1001136146	2	Decal - Control Station Hazard	
10	1001154075	1	Decal - Swing Lock	
11	1001156079	4	Bar	
12	1001156279	4	Inclinometer	
13	1001166322	4	Screw #10 x 5/8	
14	1001166930	7	Screw, Wing	
15	1001166974	18	Washer 3/8	
16	1001167099	2	Mount	
17	1001168993	4	Bolt 3/8 x 1-1/2	
18	1001169054	4	Isolator	
19	1001169138	4	Washer	
20	1001194676	14	Screw 1/4 x 3/4	
21	1001249982	2	Bar, Controls Top	
22	1001321662	1	Decal - Alarm Override	
23	1001262939	1	Decal - Air Tensioner	
24	1001262942	2	Decal - JD Logo	
25	1001282165	1	Bracket	
26	1001283399	1	Decal - Remote Tether Plug IN	
27	1001301412	1	Valve, Control 7 Section - 14 Solenoid (See Separate Breakdown in HYDRAULIC Section)	
28	1001304122	1	Valve, UL Spade (See Separate Breakdown in HYDRAULIC Section)	
29	1001305396	1	Plate	
30	1001305422	1	Mount	
31	1001305423	1	Panel, Front (LH)	
32	1001305424	1	Panel, Center (LH)	
33	1001305428	1	Panel, Rear (LH)	
34	1001305434	1	Panel, Top (LH)	
35	1001305467	1	Panel, Center (RH)	
36	1001305468	1	Panel, Top (RH)	
37	1001305469	1	Panel, Front (RH)	
38	1001305509	1	Seal	
39	1001305894	1	Decal - Outrigger Control (RH)	
40	1001305956	1	Decal - Outrigger Control (LH)	
41	1001305965	1	Decal - Control TT Valve	
42	1001306010	1	Valve Cover Installation	
43	1001306068	1	Decal - Control (RH)	
44	1001306097	1	Decal - Manual Override O/R	
45	1001306098	1	Decal - Manual Override UL/Spade	
46	1001306127	1	Mount	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001306137	1	Hood	
48	4679000124	1	Pad	
49	7114140618	2	Capscrew 1/4 x 3/4	
50	7114140818	2	Capscrew 1/4 x 1	
51	0651606	3	Bolt 3/8 x 3/4	
52	7115161250	14	Bolt 3/8 x 1-1/2	
53	7413000002	2	Nutsert 1/4	
54	7120000047	8	Screw #4 x 5/8	
55	7660142601	2	Nut 1/4	
56	7660162601	25	Nut 3/8	
57	7950140003	2	Washer 1/4	
58	7950140143	20	Washer 1/4	
59	7950160143	17	Washer 3/8	
60	8632000012	1.8 ft	Trim	
61	1001327243	7	Handle	

FIGURE 5-3. IN-CAB CONTROLS INSTALLATION - FLOOR MOUNTED WITHOUT UNDERLIFT

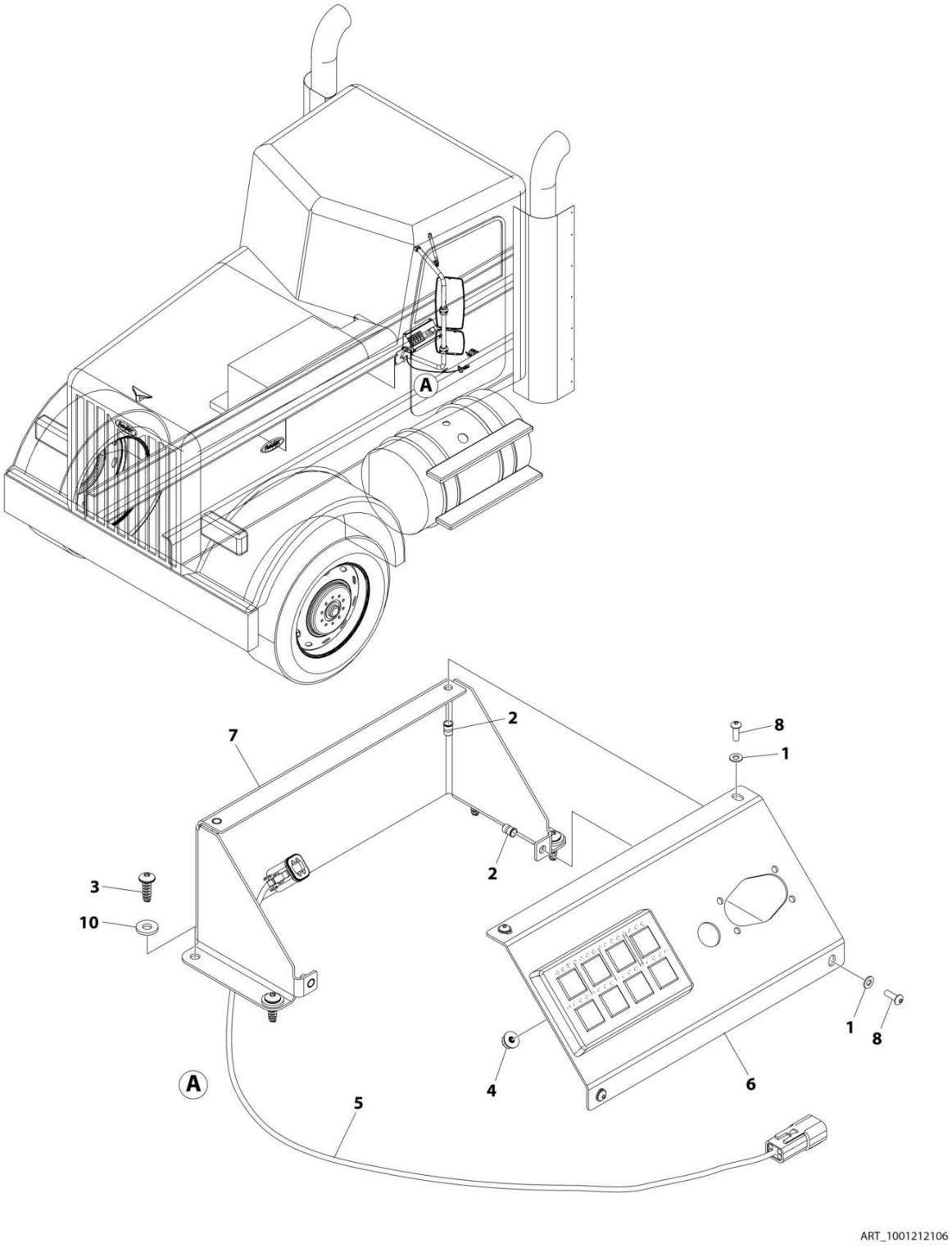


FIGURE 5-3. IN-CAB CONTROLS INSTALLATION - FLOOR MOUNTED WITHOUT UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212106	Ref	CONTROLS (IN-CAB) INSTALLATION (FLOOR MOUNTED)	A
1	1001097942	4	Washer #8	
2	1001151546	4	Nut #8	
3	1001194676	4	Screw 1/4 x 3/4	
4	1001209616	2	Nut #10	
5	1001215421	1	Multiplex In-Cab Control Harness (See Separate Breakdown in ELECTRICAL Section)	
6	1001216233	1	Panel	
7	1001216239	1	Panel	
8	7114080418	4	Screw #8 x 1/2	
9	7894000004	6	Tie-Strap (Not Shown)	
10	7950140143	4	Washer 1/4	

FIGURE 5-4. IN-CAB CONTROLS INSTALLATION - KENWORTH T880 WITHOUT UNDERLIFT

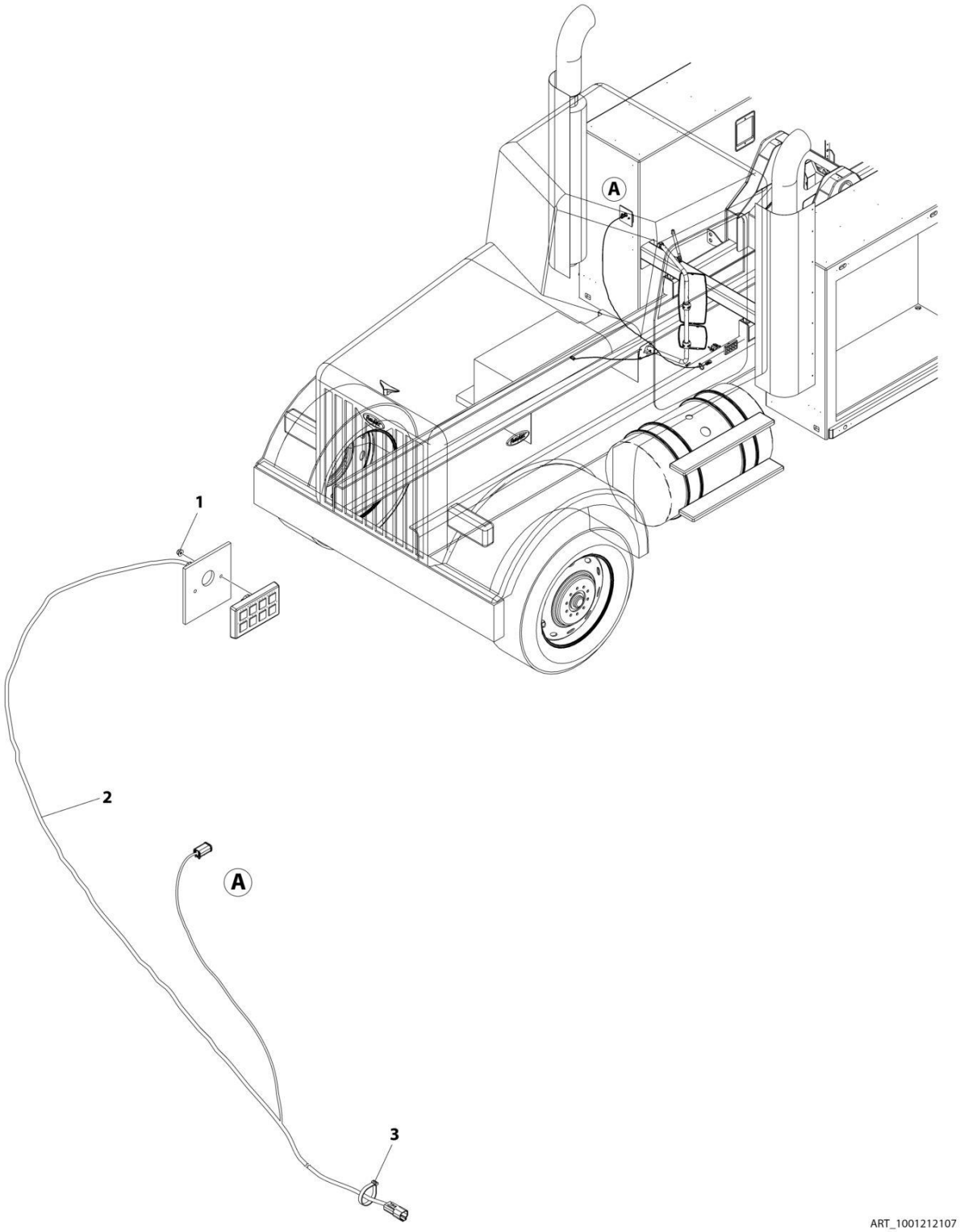


FIGURE 5-4. IN-CAB CONTROLS INSTALLATION - KENWORTH T880 WITHOUT UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212107	Ref	Switch Panel KW T880 Lighting Installation	B
1	1001209616	2	Nut #10	
2	1001215436	1	Harness (See Separate Breakdown in ELECTRICAL Section)	
3	7894000004	5	Tie Strap	

FIGURE 5-5. IN-CAB CONTROLS INSTALLATION - PETERBILT 567 WITHOUT UNDERLIFT

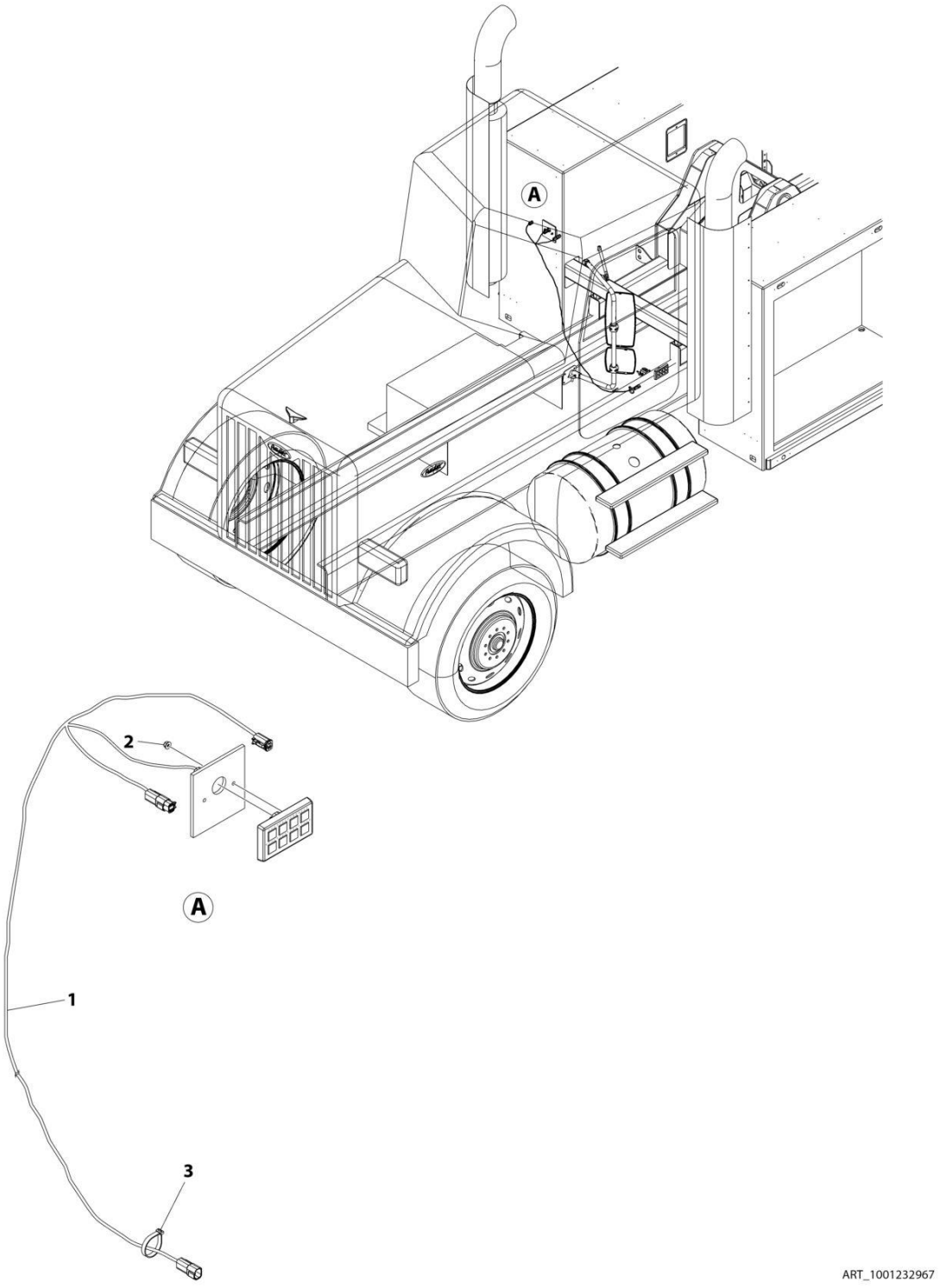


FIGURE 5-5. IN-CAB CONTROLS INSTALLATION - PETERBILT 567 WITHOUT UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232967	Ref	Switch Panel PETE 567 Lighting Installation	A
1	1001208976	1	Harness (See Separate Breakdown in ELECTRICAL Section)	
2	1001209616	2	Nut #10	
3	7894000004	7	Tie Strap	

FIGURE 5-6. IN-CAB CONTROLS INSTALLATION - FLOOR MOUNTED WITH UNDERLIFT

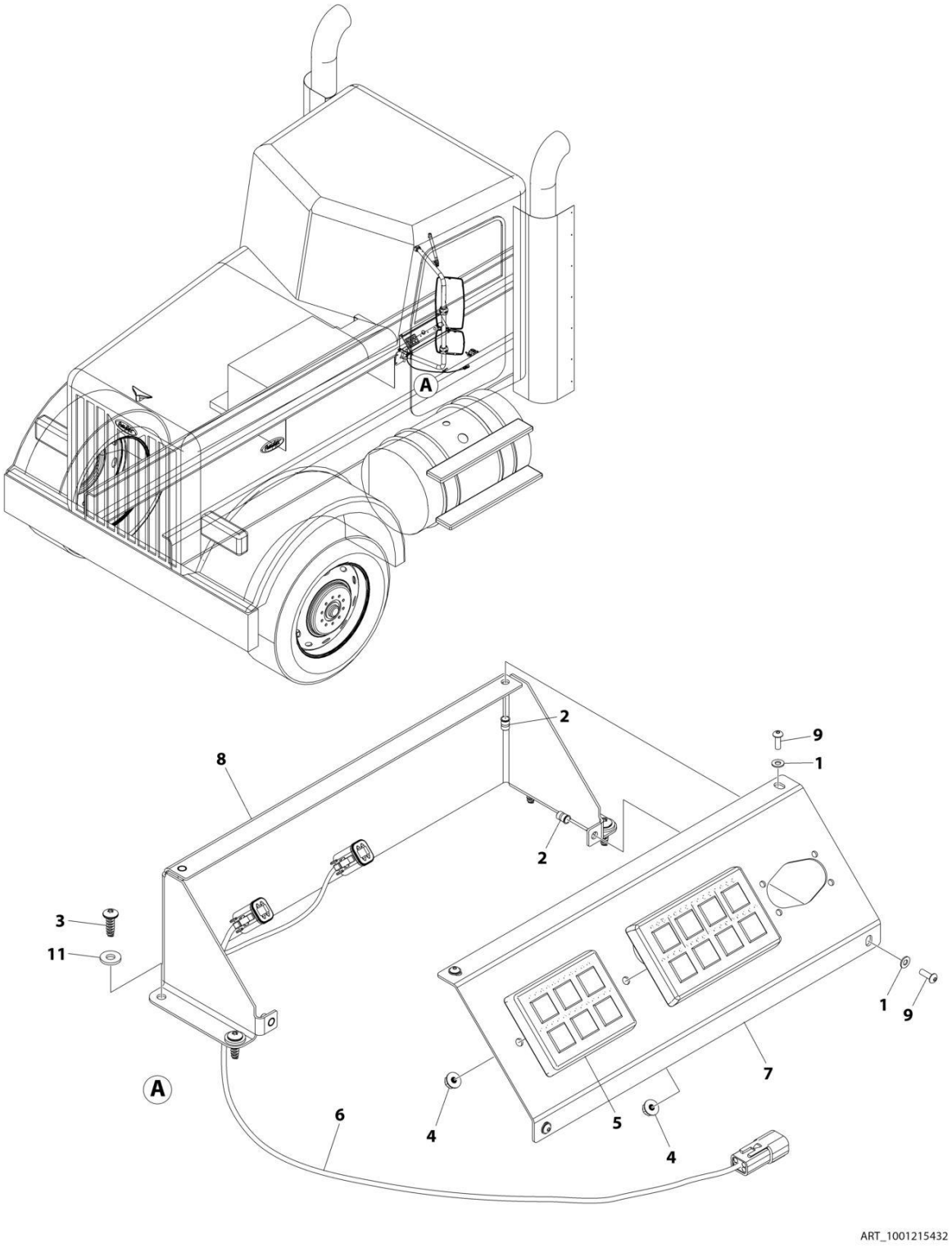


FIGURE 5-6. IN-CAB CONTROLS INSTALLATION - FLOOR MOUNTED WITH UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215432	Ref	CONTROLS (IN-CAB) INSTALLATION (FLOOR MOUNTED WITH UNDERLIFT)	B
1	1001097942	4	Washer #8	
2	1001151546	4	Nut #8	
3	1001194676	4	Screw 1/4 x 3/4	
4	1001209616	4	Nut #10	
5	1001288016	1	Keypad, Underlift	
6	1001215421	1	Multiplex In-Cab Control Harness (See Separate Breakdown in ELECTRICAL Section)	
7	1001216315	1	Panel	
8	1001216316	1	Panel	
9	7114080418	4	Screw #8 x 1/2	
10	7894000004	6	Tie-Strap (Not Shown)	
11	7950140143	4	Washer 1/4	

FIGURE 5-7. IN-CAB CONTROLS INSTALLATION - KENWORTH T880 WITH UNDERLIFT

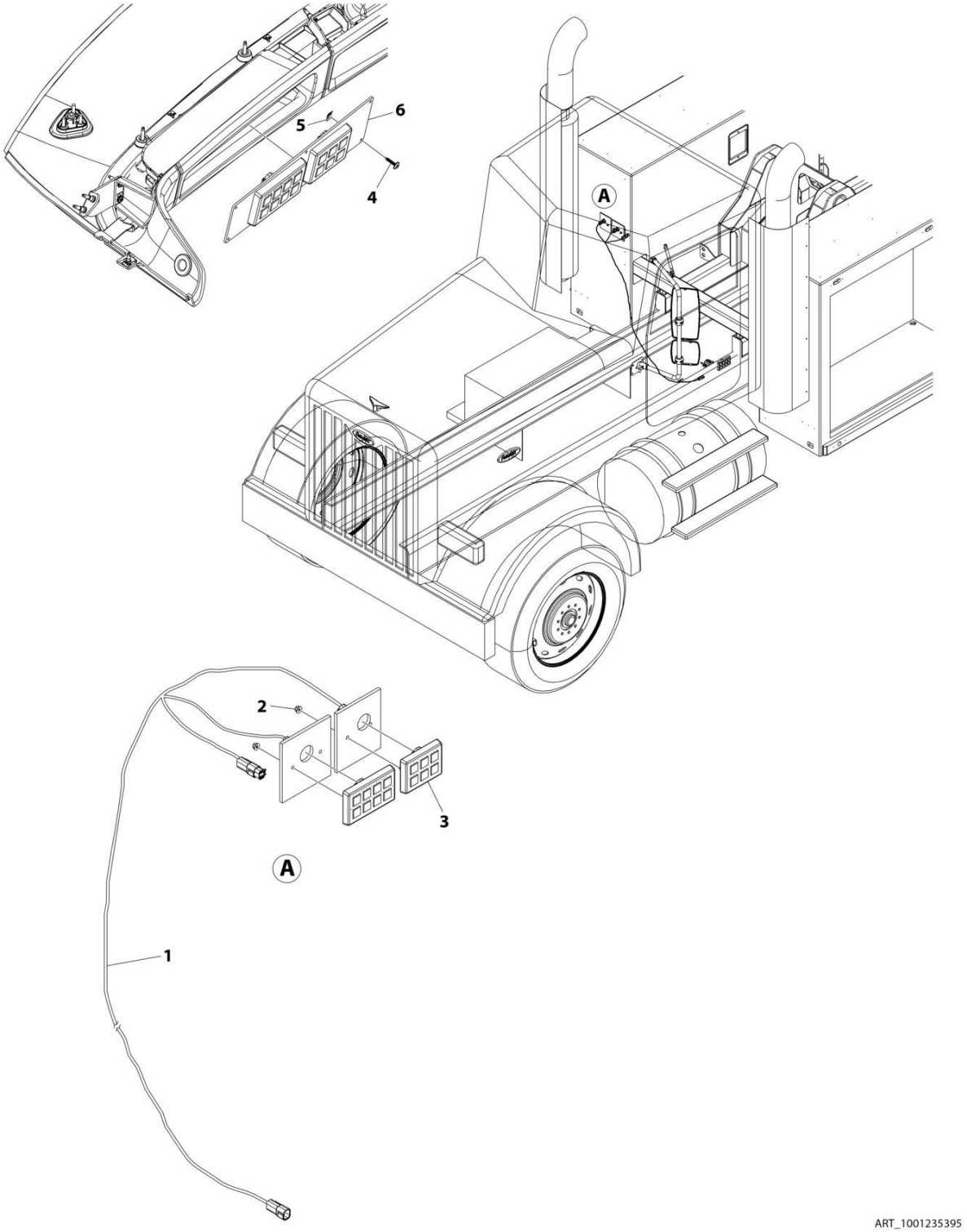


FIGURE 5-7. IN-CAB CONTROLS INSTALLATION - KENWORTH T880 WITH UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235395	Ref	CONTROLS (IN-CAB) INSTALLATION (CONSOLE MOUNTED)	B
1	1001208976	1	Multiplex In-Cab Control Harness (See Separate Breakdown in ELECTRICAL Section)	
2	1001209616	4	Nut #10	
3	1001288016	1	Keypad, Underlift	
4	1001232209	6	Screw #8	
5	1001232211	6	Nut #8	
6	1001235394	1	Support	
7	7894000004	7	Tie-Strap (Not Shown)	

FIGURE 5-8. IN-CAB CONTROLS INSTALLATION - PETERBILT 567 WITH UNDERLIFT

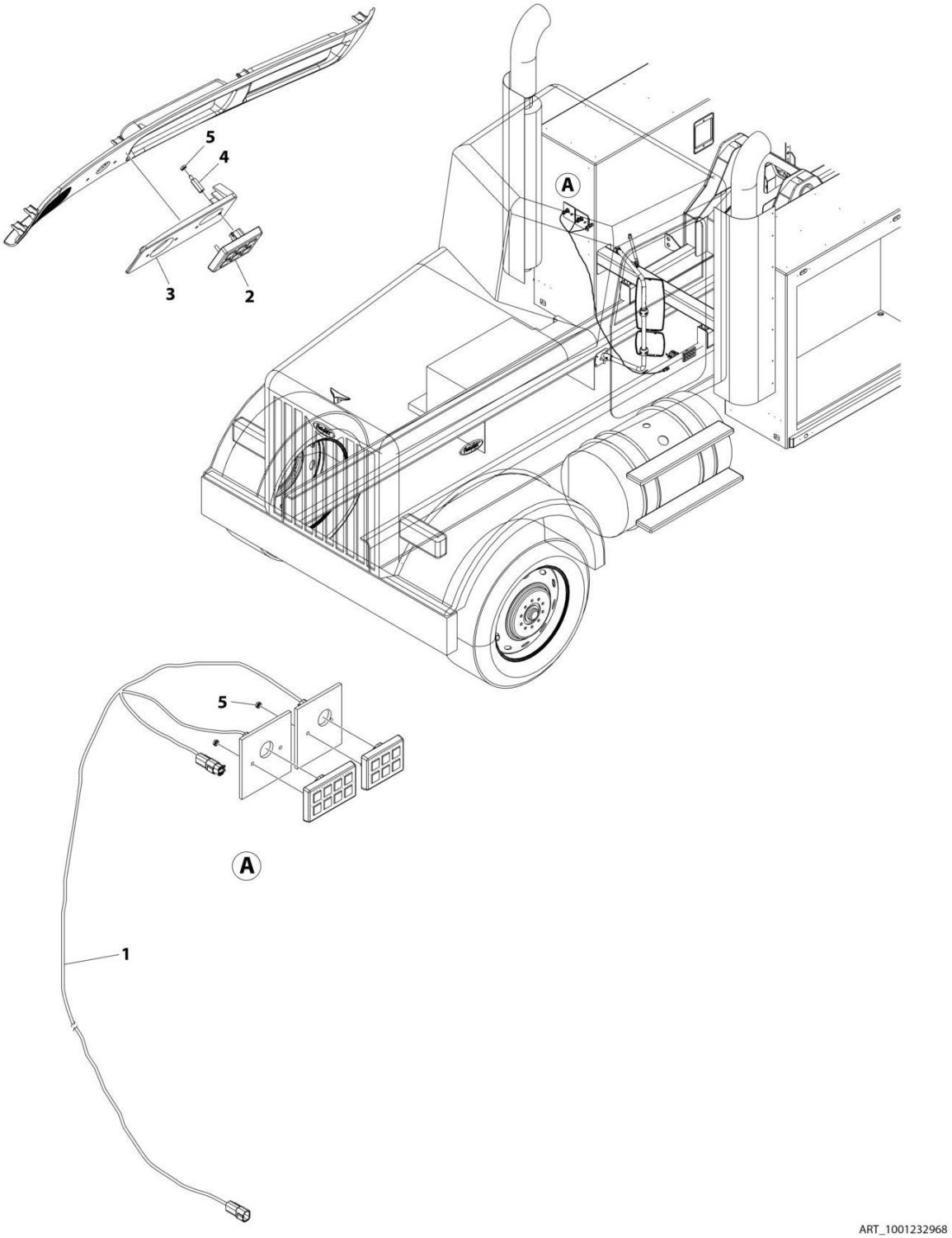


FIGURE 5-8. IN-CAB CONTROLS INSTALLATION - PETERBILT 567 WITH UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232968	Ref	CONTROLS (IN-CAB) INSTALLATION (CONSOLE MOUNTED)	B
1	1001208976	1	Multiplex In-Cab Control Harness (See Separate Breakdown in ELECTRICAL Section)	
2	1001288016	1	Keypad, Underlift	
3	1001232956	1	Support	
4	1001234537	1	Stud	
5	7661000023	4	Nut #10	
6	7894000004	7	Tie-Strap (Not Shown)	

FIGURE 5-9. IN-CAB CONTROLS INSTALLATION - KENWORTH T440 & T800 & W9 WITHOUT UNDERLIFT

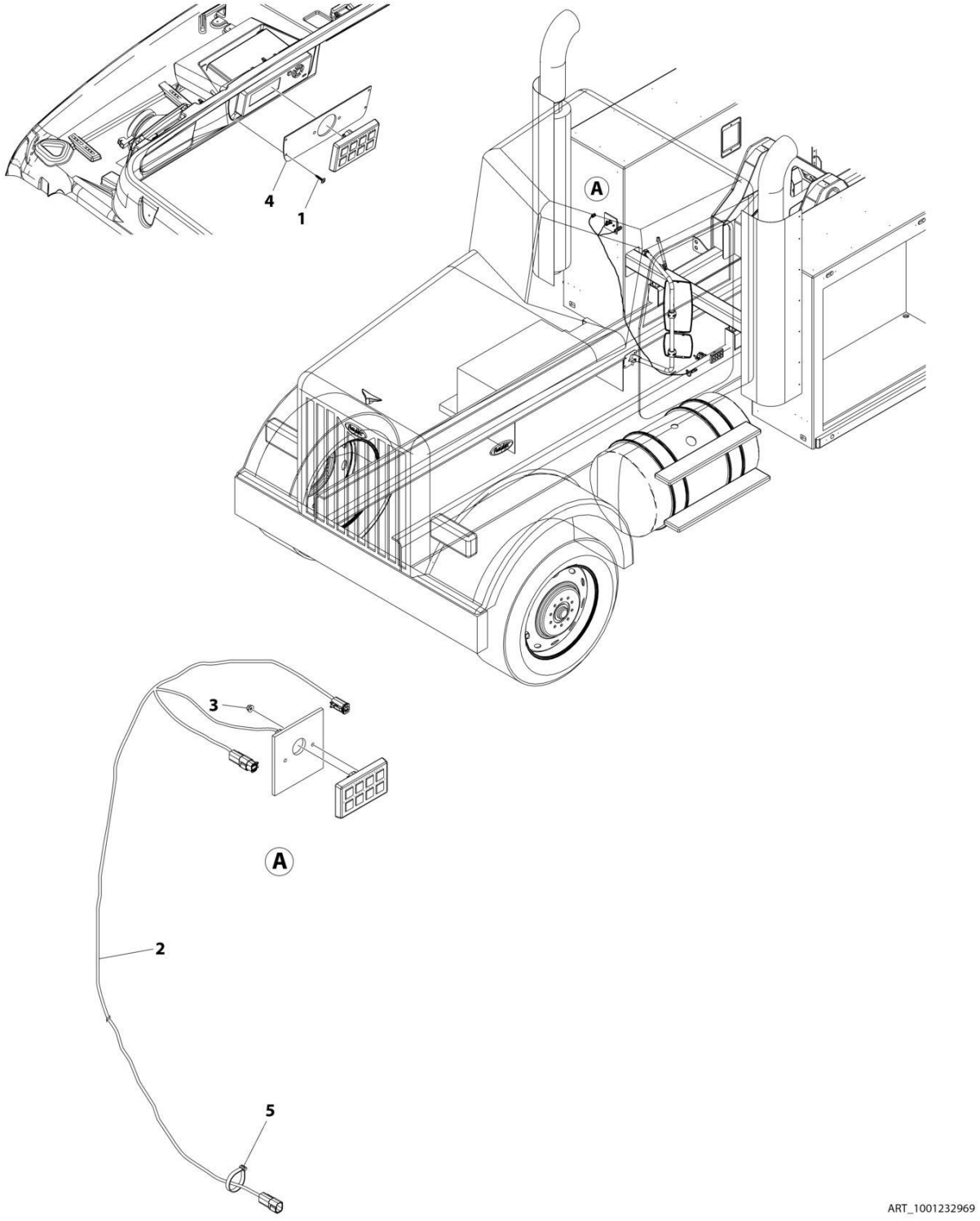


FIGURE 5-9. IN-CAB CONTROLS INSTALLATION - KENWORTH T440 & T800 & W9 WITHOUT UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232969	Ref	SWITCH PANEL KW T800, W9, T440, SINGLE LIGHTING INSTALLATION	B
1	1001232209	4	Screw #8	
2	1001208976	1	Harness (See Separate Breakdown in ELECTRICAL Section)	
3	1001209616	2	Nut #10	
4	1001232957	1	Support, Switch Panel	
5	7894000004	7	Tie Strap	

FIGURE 5-10. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 LOW ROOF WITHOUT UNDERLIFT

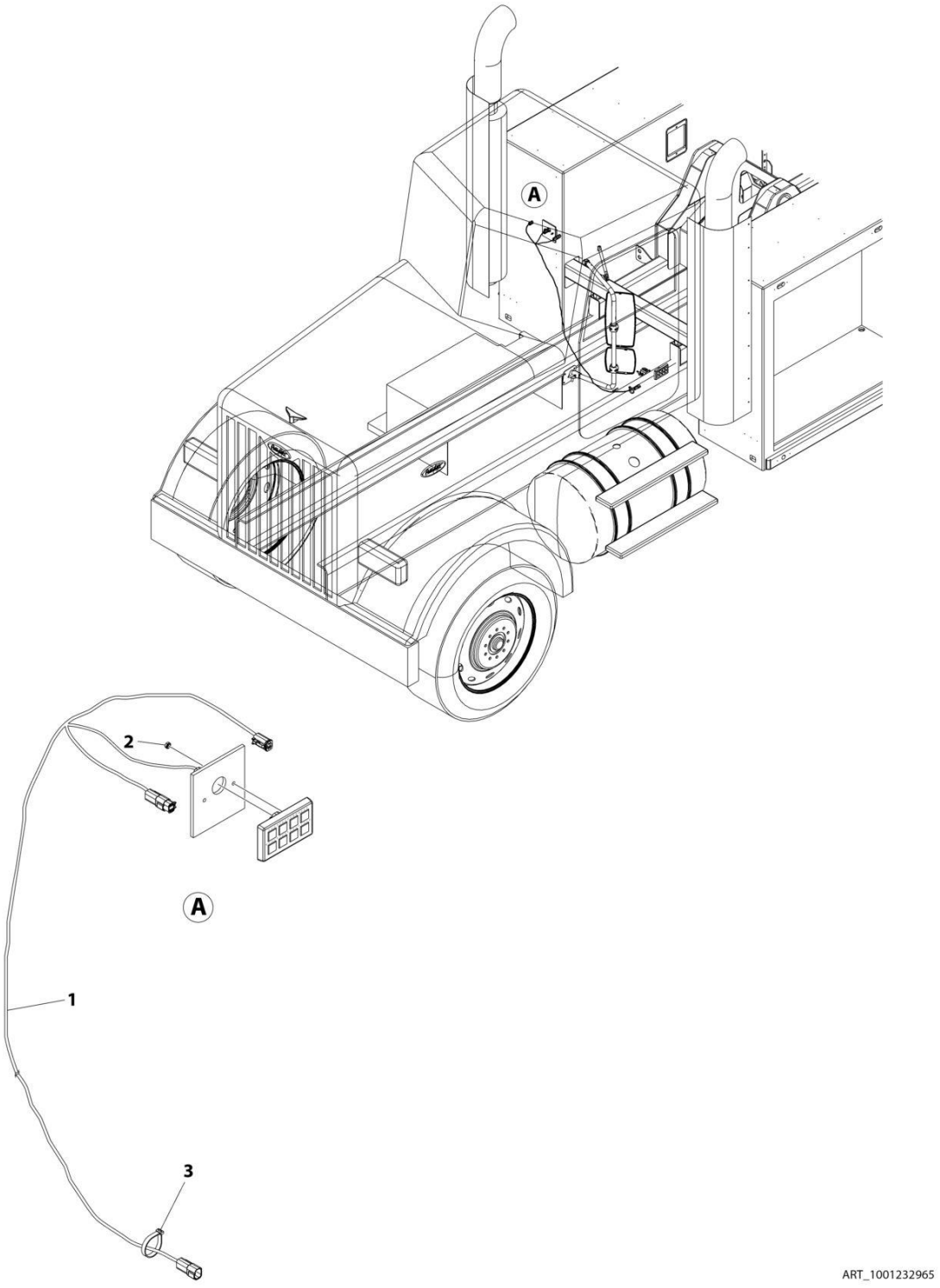


FIGURE 5-10. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 LOW ROOF WITHOUT UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232965	Ref	Switch Panel Pete 389 Low Single Lighting Installation	A
1	1001208976	1	Harness (See Separate Breakdown in ELECTRICAL Section)	
2	7661000023	2	Nut #10	
3	7894000004	7	Tie Strap	

FIGURE 5-11. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 HIGH ROOF WITHOUT UNDERLIFT

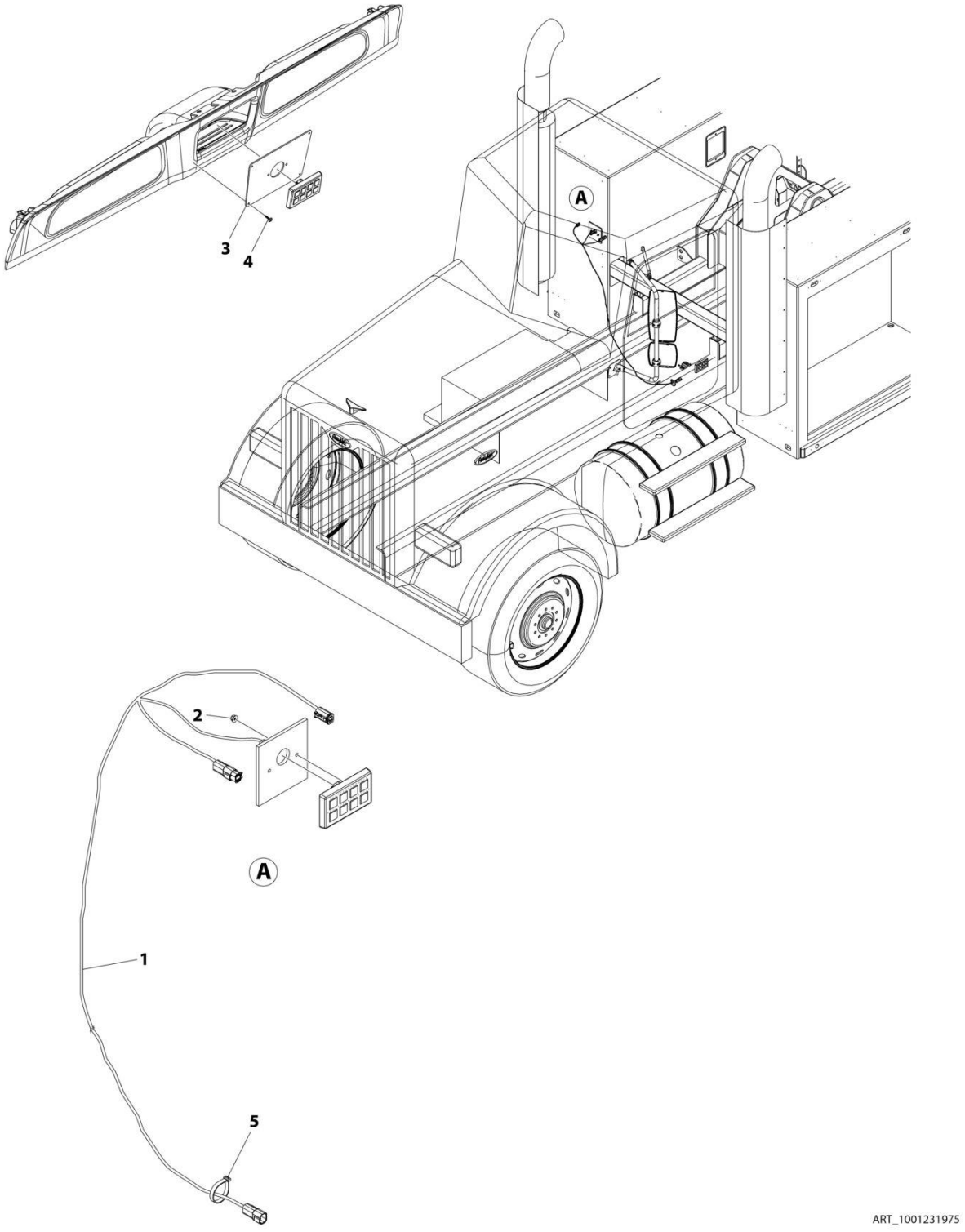


FIGURE 5-11. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 HIGH ROOF WITHOUT UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231975	Ref	Switch Panel Pete 389 High Single Lighting Installation	A
1	1001208976	1	Harness (See Separate Breakdown in ELECTRICAL Section)	
2	1001209616	2	Nut #10	
3	1001231974	1	Support, Switch Panel	
4	1001232209	4	Screw #8	
5	7894000004	7	Tie Strap	

FIGURE 5-12. IN-CAB CONTROLS INSTALLATION - KENWORTH T440 & T800 & W9 WITH UNDERLIFT

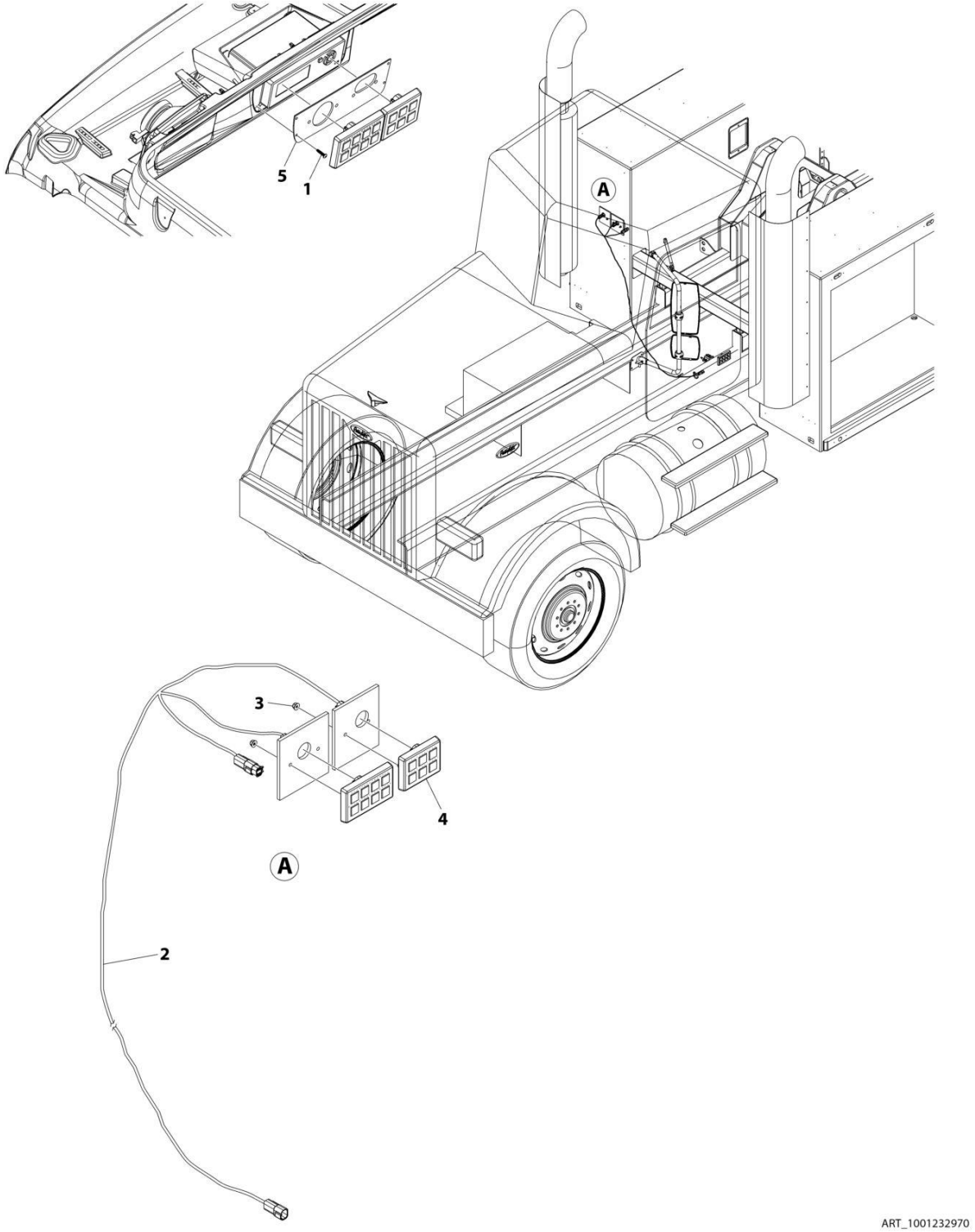


FIGURE 5-12. IN-CAB CONTROLS INSTALLATION - KENWORTH T440 & T800 & W9 WITH UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232970	Ref	CONTROLS (IN-CAB) INSTALLATION (CONSOLE MOUNTED)	B
1	1001196552	4	Screw #8 x 3/4	
2	1001208976	1	Multiplex In-Cab Control Harness (See Separate Breakdown in ELECTRICAL Section)	
3	1001209616	4	Nut #10	
4	1001288016	1	Keypad, Underlift	
5	1001232958	1	Support	
6	7894000004	7	Tie-Strap (Not Shown)	

FIGURE 5-13. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 LOW ROOF WITH UNDERLIFT

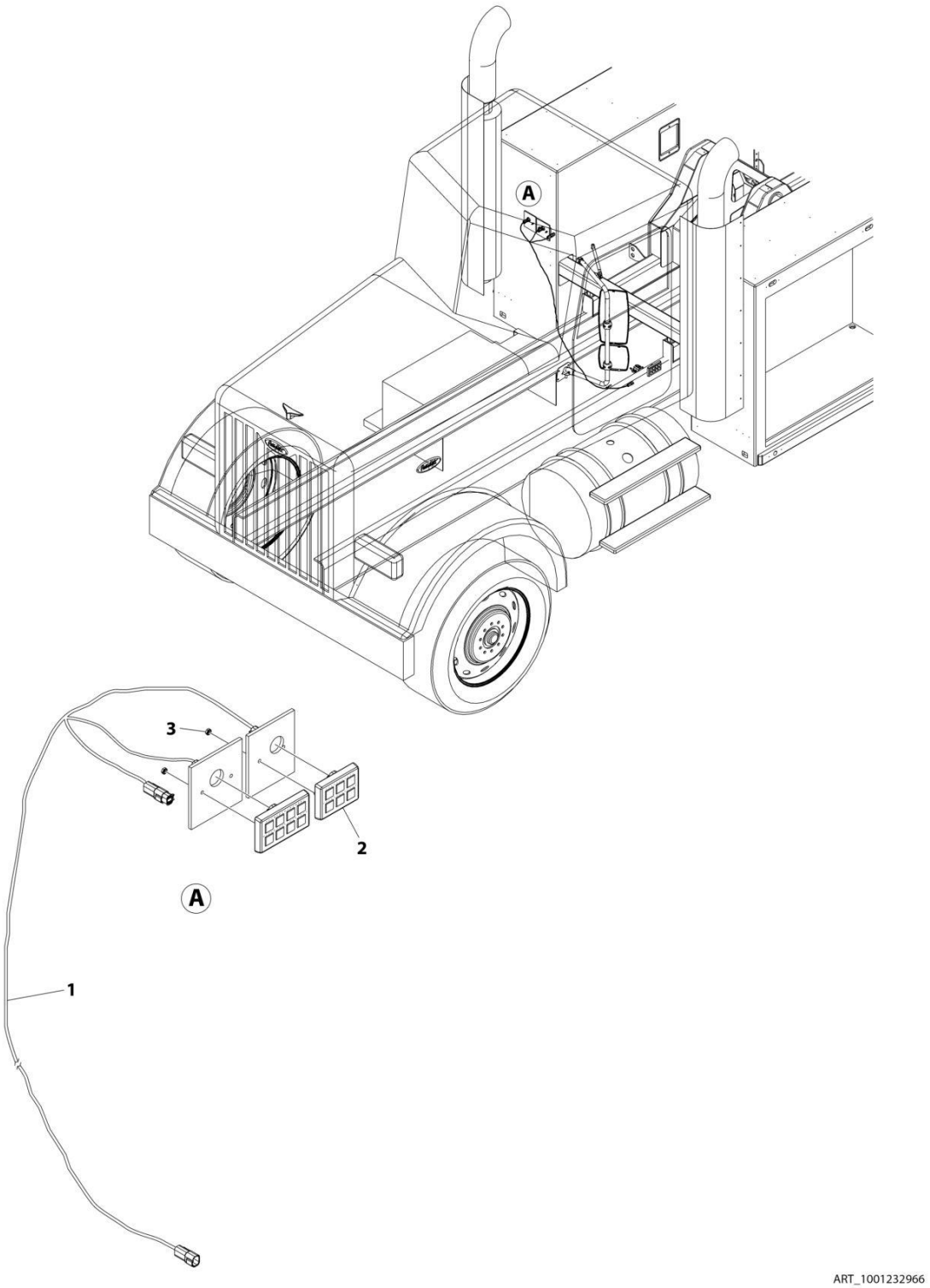


FIGURE 5-13. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 LOW ROOF WITH UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232966	Ref	CONTROLS (IN-CAB) INSTALLATION (CONSOLE MOUNTED)	B
1	1001208976	1	Multiplex In-Cab Control Harness (See Separate Breakdown in ELECTRICAL Section)	
2	1001288016	1	Keypad, Underlift	
3	7661000023	4	Nut #10	
4	7894000004	7	Tie-Strap (Not Shown)	

FIGURE 5-14. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 HIGH ROOF WITH UNDERLIFT

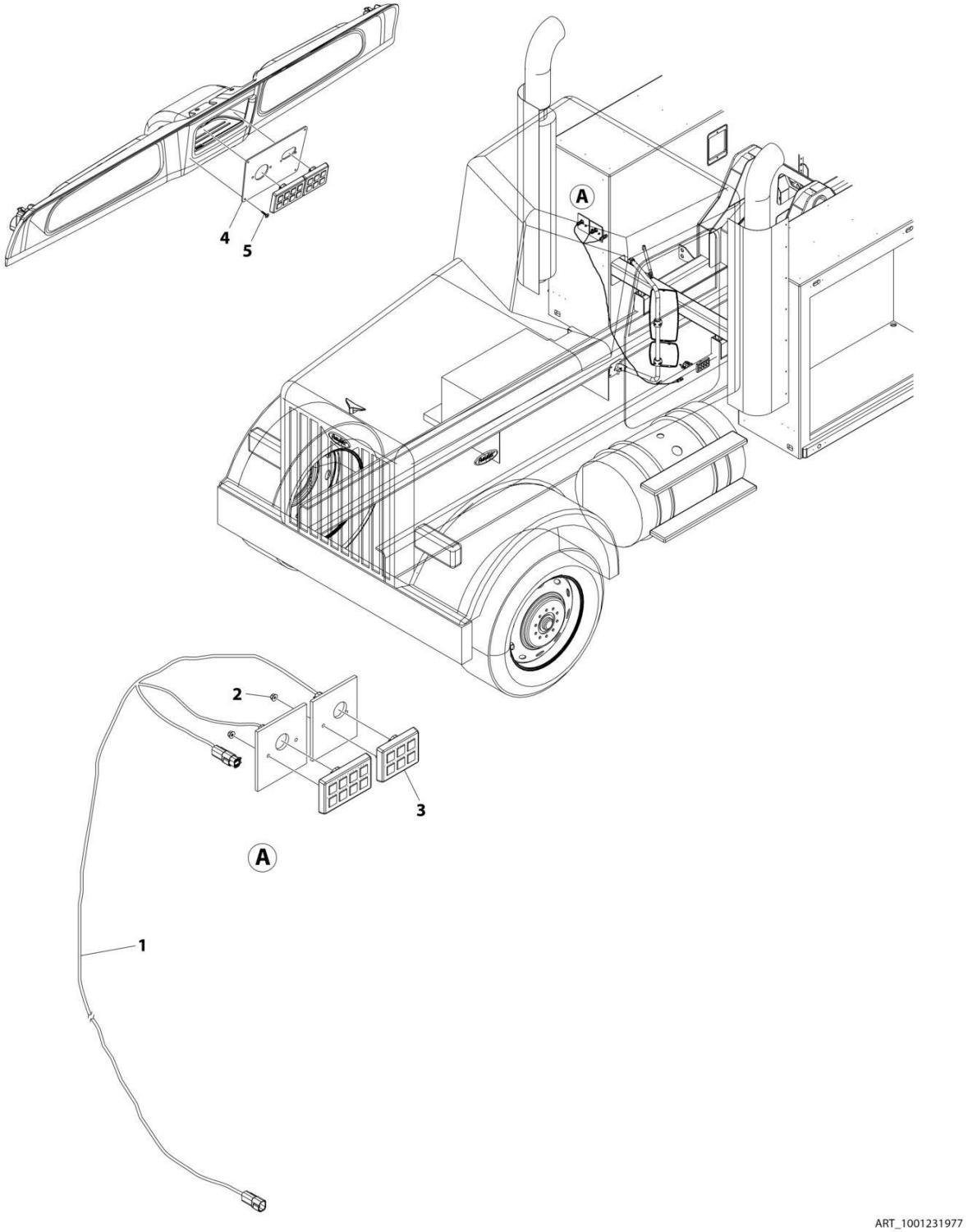
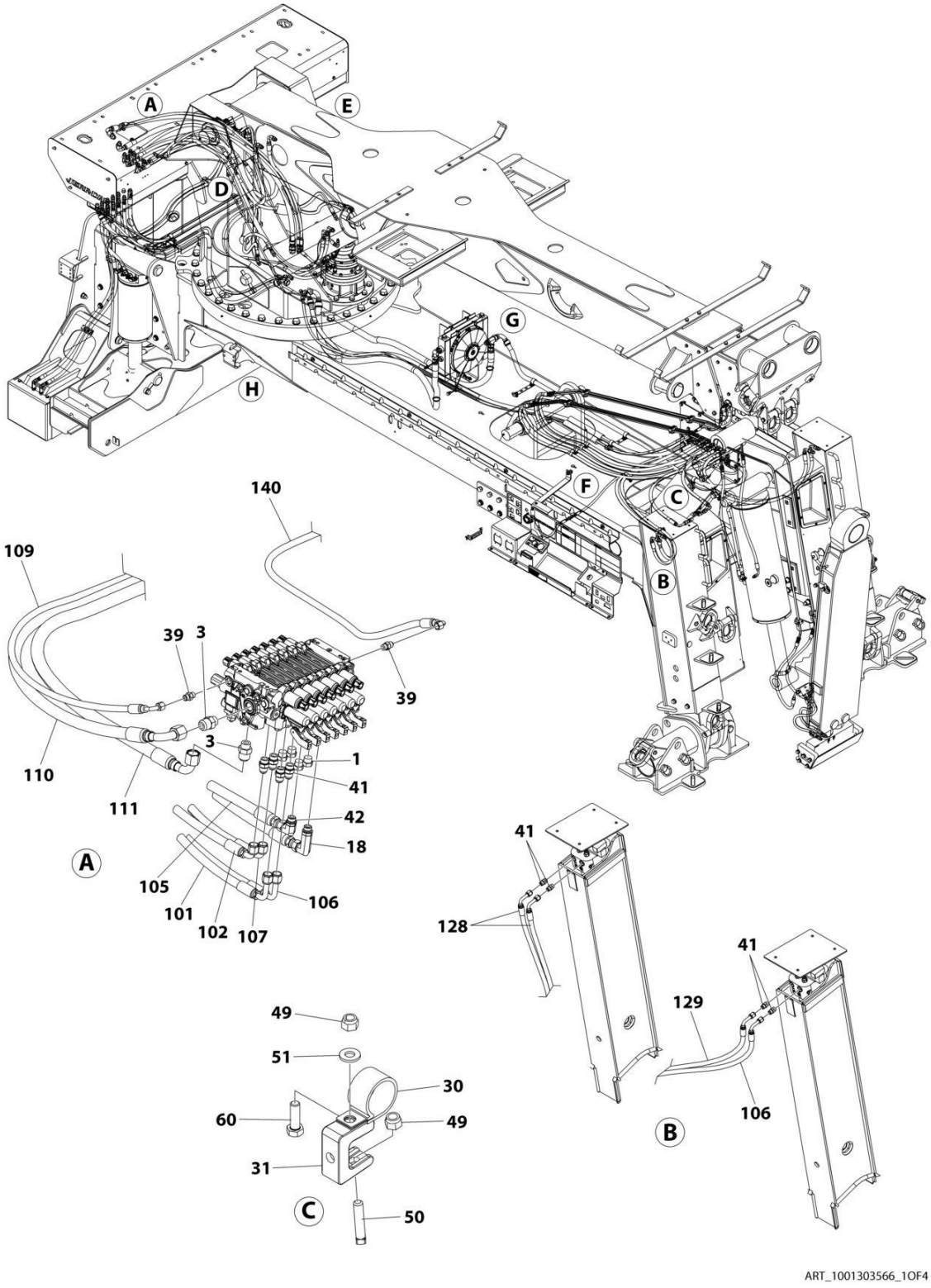


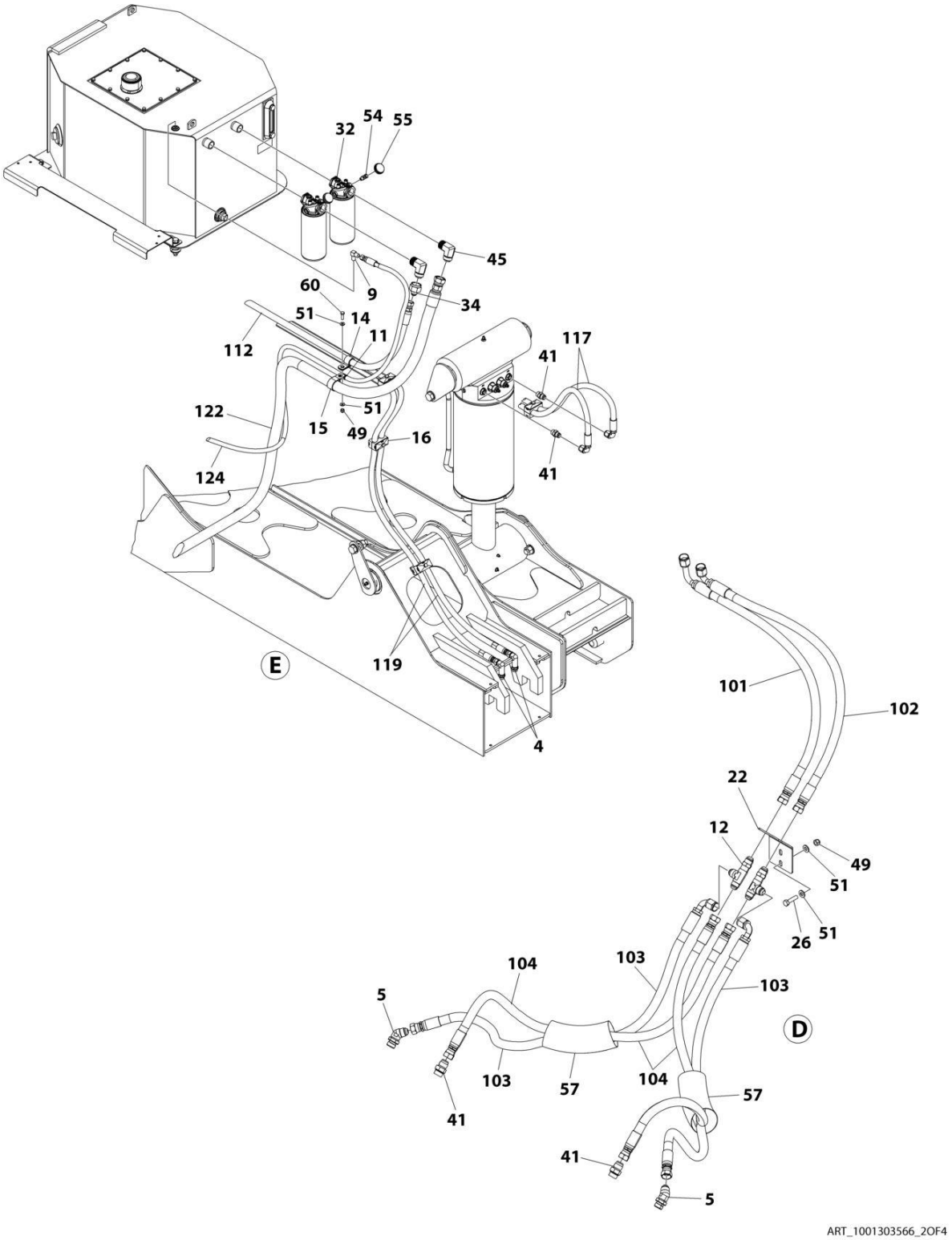
FIGURE 5-14. IN-CAB CONTROLS INSTALLATION - PETERBILT 389 HIGH ROOF WITH UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231977	Ref	CONTROLS (IN-CAB) INSTALLATION (CONSOLE MOUNTED)	B
1	1001208976	1	Multiplex In-Cab Control Harness (See Separate Breakdown in ELECTRICAL Section)	
2	1001209616	4	Nut #10	
3	1001288016	1	Keypad, Underlift	
4	1001231976	1	Support	
5	1001232209	4	Screw #8	
6	7894000004	7	Tie-Strap (Not Shown)	

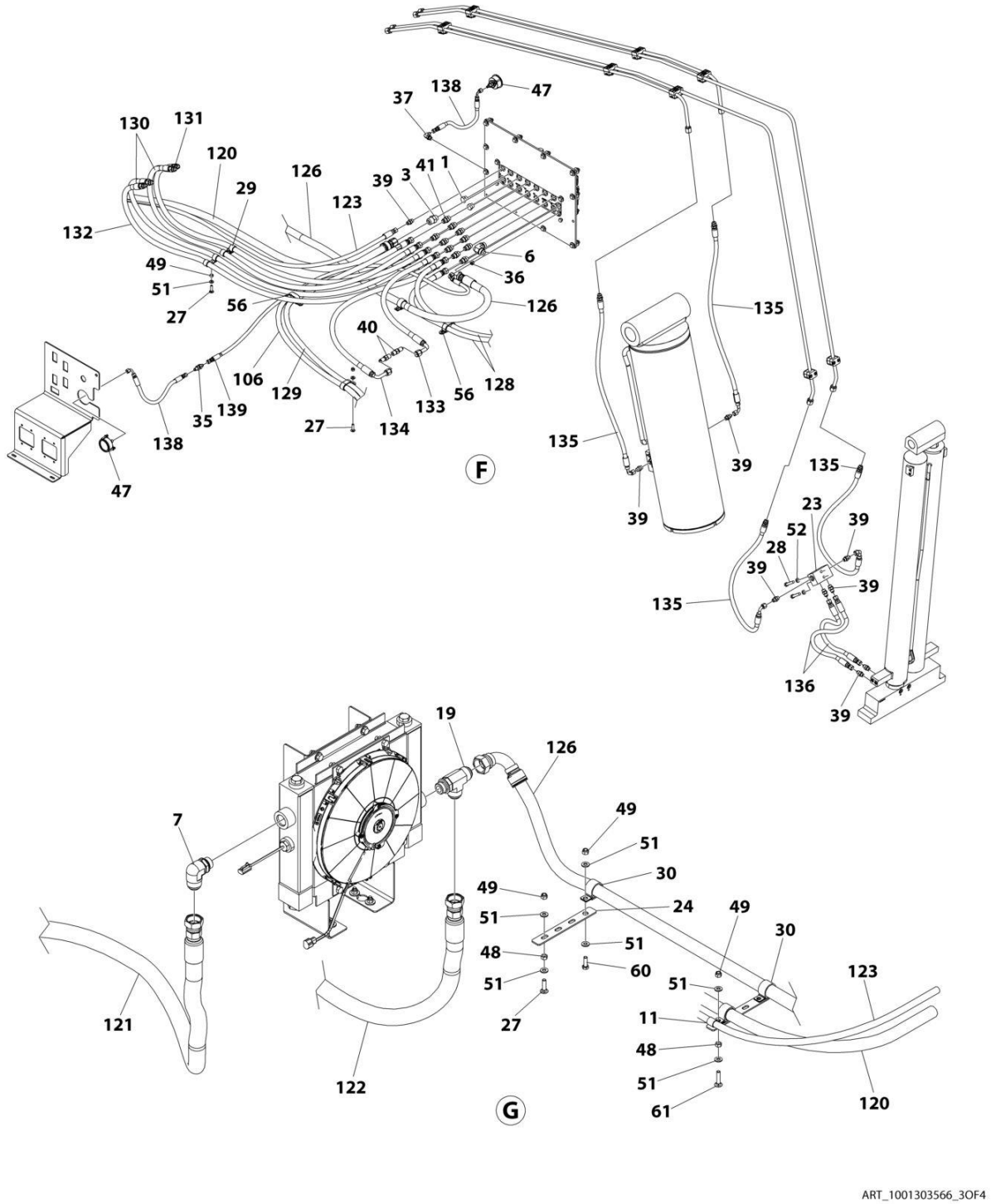
SECTION 6 - HYDRAULIC

FIGURE 6-1. HYDRAULIC LINES AND FITTINGS INSTALLATION




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SECTION 6 - HYDRAULIC



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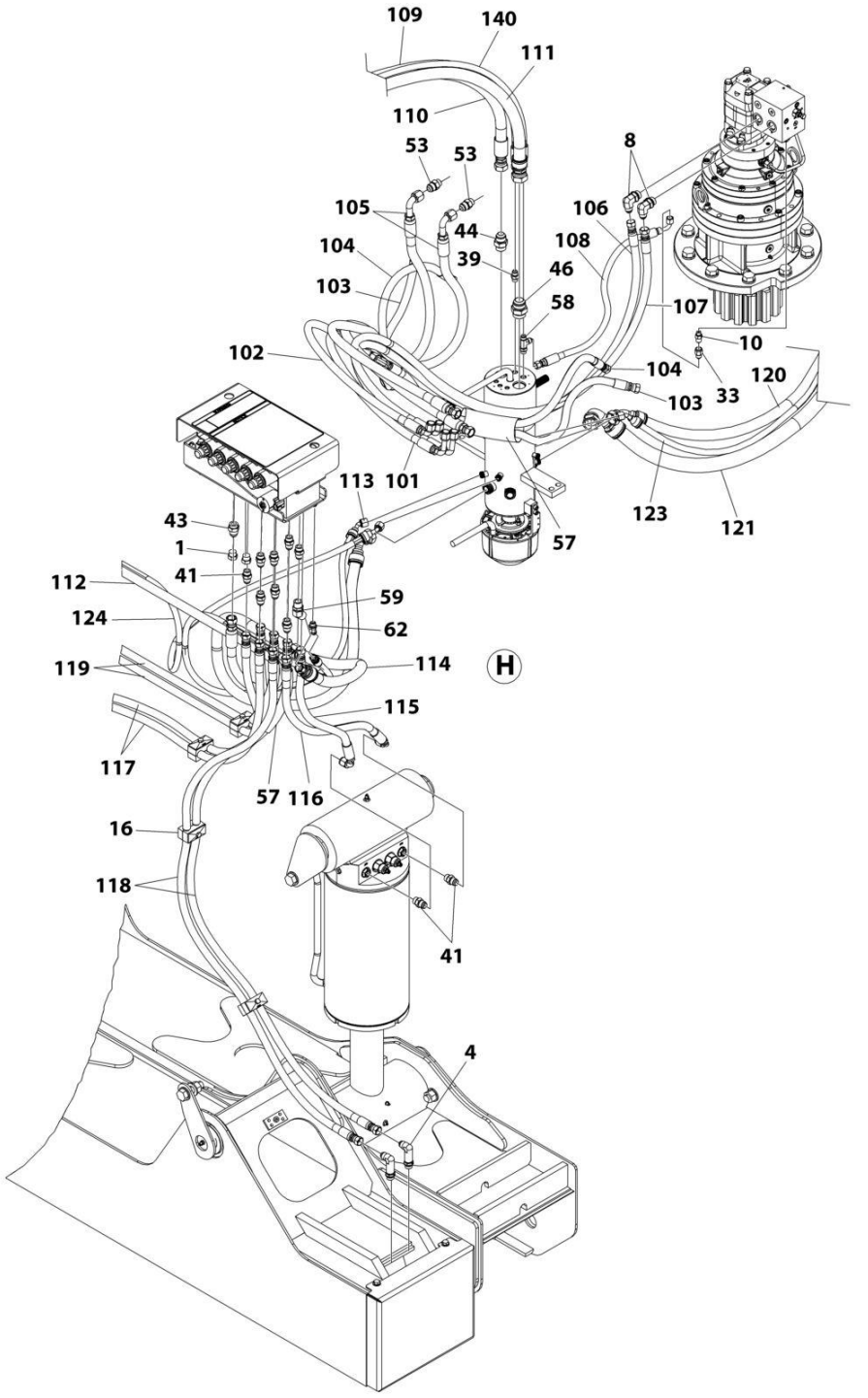

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ART_1001303566_4OF4

FIGURE 6-1. HYDRAULIC LINES AND FITTINGS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303566	Ref	HYDRAULIC LINES AND FITTINGS INSTALLATION	C
1	2220238	8	Fitting, ORB	
3	2220408	3	Fitting, Straight JIC/ORB	
4	2220474	4	Fitting, 90 JIC/ORB	
5	2220500	2	Fitting, 45 JIC/ORB	
6	2220567	1	Fitting, 90 JIC/ORB	
7	2220664	1	Fitting, 90 JIC/ORB	
8	7445081045	2	Fitting, 90	
9	2220773	1	Fitting, 90 JIC/NPTF	
10	2220603	1	Fitting, Straight JIC/ORB	
11	8406101	3	Clip	
12	8760477	2	Fitting, Tee JIC/JIC/JIC	
14	24431386	2	Clamp	
15	1001137048	1	Clamp	
16	1001137052	8	Clamp, Kit	
18	1001272296	1	Fitting, 90 JIC/ORB	
19	1001304372	1	Fitting, Tee JIC/ORB/JIC	
22	1001306274	1	Mount	
23	4619000006	1	Manifold	
24	4706003844	2	Plate	
25	5526000553	40	Tie-Strap (Not Shown)	
26	7115151050	2	Bolt 5/16 x 1-1/4	
27	7115151064	6	Bolt 5/16 x 1-1/4	
28	7115161650	2	Bolt 3/8 x 2	
29	7274000040	4	Clamp	
30	7274000041	5	Clamp	
31	7274000076	1	Clamp	
32	7430000004	2	Filter Assembly - Hydraulic Oil	
33	7443000108	1	Restrictor	
34	7443000258	1	Fitting, Reducer	
35	7445040425	1	Union	
36	7445040443	1	Fitting, Straight JIC/O-Ring	
37	7445040645	1	Fitting, 90 JIC/O-Ring	
39	7445060643	12	Fitting, Straight JIC/O-Ring	
40	7445080644	2	Fitting, Straight	
41	7445080843	32	Fitting, Straight JIC(M)	
42	7445100845	1	Fitting, 90 JIC(M)	
43	7445101043	1	Fitting, Straight JIC(M)	
44	7445121243	1	Fitting, Straight	
45	7445161620	2	Fitting, 90	
46	7445161643	1	Fitting, Straight JIC(M)	
47	7470000023	2	Gauge, Pressure	
48	7660150001	2	Nut 5/16	
49	7660152601	17	Nut 5/16	
50	7785152420	1	Setscrew 5/16 x 1-1/2	
51	7950150143	26	Washer 5/16	
52	7950160000	2	Washer 3/8	
53	7445100843	2	Fitting, Straight JIC(M)	
54	7443000158	2	Fitting, 90 NPT/NPT	
55	7470000002	2	Gauge, Oil Filter	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
56	1321716	3	Clamp	
57	8565000007	8 ft	Sleeve	
58	7445060648	1	Tee Run, JIC/O-Ring	
59	2221050	1	Fitting, 45 JIC/ORB	
60	7115150850	7	Capscrew 5/16 x 1	
61	7115151264	1	Bolt 5/16 x 1-1/2	
62	7445060646	1	Fitting, 45 JIC(M)	
100	1001303597	1	Kit, Hose (Not Shown)	
101	4567133035	1	Hose	
102	4567132036	1	Hose	
103	4567132039	2	Hose	
104	1001303624	2	Hose	
105	4567152066	2	Hose	
106	1001142161	2	Hose	
107	4567132085	1	Hose	
108	4567122025	1	Hose	
109	1001303762	1	Hose	
110	1001303761	1	Hose	
111	1001303758	1	Hose	
112	1001303765	1	Hose	
113	1001303766	1	Hose	
114	1001303775	1	Hose	
115	4567132019	1	Hose	
116	4567132024	1	Hose	
117	4567132080	2	Hose	
118	1001303787	2	Hose	
119	1001303789	2	Hose	
120	1001303794	1	Hose	
121	1001303821	1	Hose	
122	1001303854	1	Hose	
123	1001303796	1	Hose	
124	1001303857	1	Hose	
126	1001304011	1	Hose	
128	1001304023	2	Hose	
129	1001304116	1	Hose	
130	1001304183	2	Hose	
131	1001304215	1	Hose	
132	1001304216	1	Hose	
133	4567133029	1	Hose	
134	4567133041	1	Hose	
135	4570000167	4	Hose	
136	4567120022	2	Hose	
138	4567112016	2	Hose	
139	4567112065	1	Hose	
140	1001320365	1	Hose	

FIGURE 6-2. HYDRAULIC SUPPLY INSTALLATION - 245IN-285IN WB

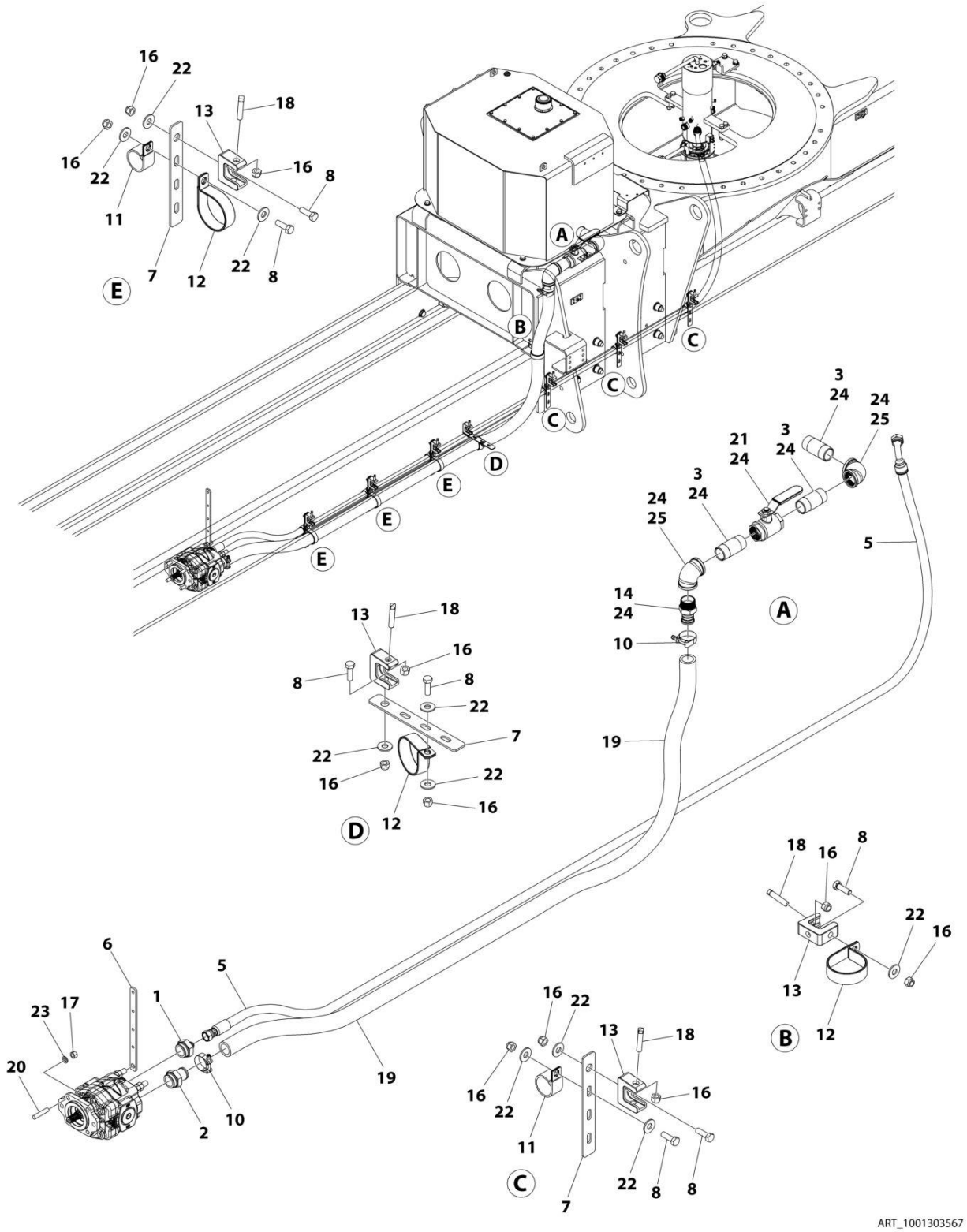
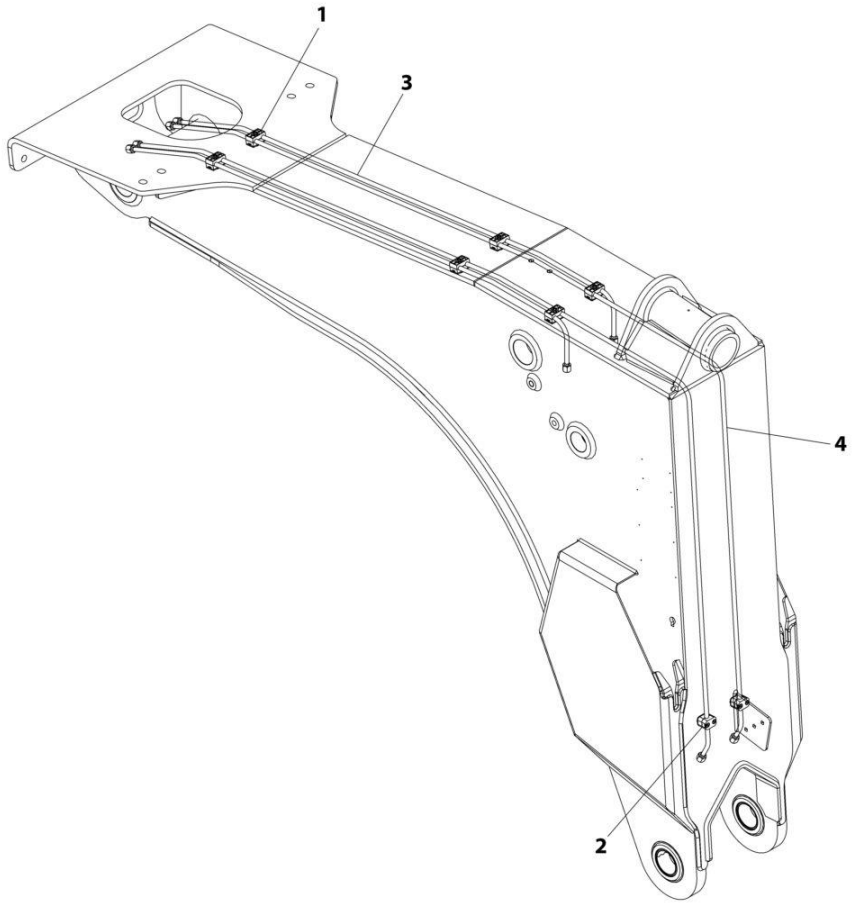


FIGURE 6-2. HYDRAULIC SUPPLY INSTALLATION - 245IN-285IN WB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303567	Ref	HYDRAULIC SUPPLY INSTALLATION	B
1	1001287855	1	Fitting, Straight JIC/ORB	
2	1001287856	1	Fitting, Straight BARB/ORB	
3	1001304408	3	Fitting, Pipe NPT/TUBE	
5	1001305398	1	Hose	
6	4178000349	1	Bracket	
7	4706003844	7	Plate	
8	7115150850	15	Capscrew 5/16 x 1	
10	7274000028	2	Clamp	
11	7274000041	6	Clamp	
12	7274000071	5	Clamp	
13	7274000076	8	Clamp	
14	7443000130	AR	Fitting, Straight NPT/TUBE	
16	7660152601	23	Nut 5/16	
17	7660180000	4	Nut 1/2	
18	7785152420	8	Setscrew 5/16 x 1-1/2	
19	8565000026	15 ft	Hose	
20	7865182065	4	Stud 1/2 x 2-1/2	
21	7935000116	1	Valve, Ball	
22	7950150161	22	Washer 5/16	
23	7950180000	4	Washer 19/32	
24	0100020	AR	Compound, Locking	
25	1001319640	2	Fitting, 90 NPTM/NPTF	

FIGURE 6-3. HYDRAULIC TUBE INSTALLATION - UNDERLIFT



ART_1001295911

FIGURE 6-3. HYDRAULIC TUBE INSTALLATION - UNDERLIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001295911	Ref	HYDRAULIC TUBE INSTALLATION	B
1	1001136447	6	Clamp, Kit	
2	1001136559	2	Clamp, Kit	
3	1001295909	2	Tube, Knee Boom UL Tilt	
4	1001295910	2	Tube, Knee Boom UL Ext	

FIGURE 6-4. HYDRAULIC TANK INSTALLATION

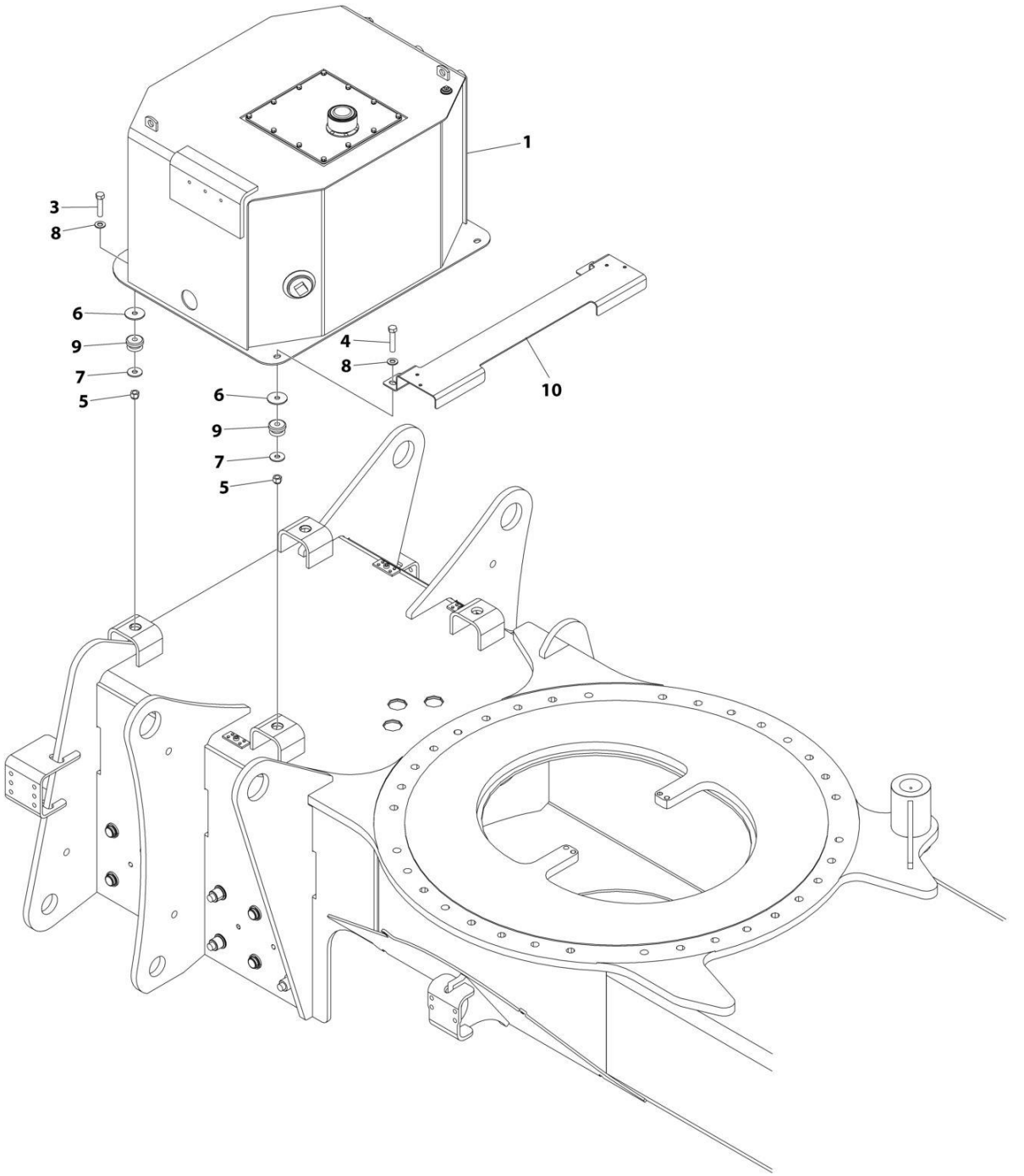


FIGURE 6-4. HYDRAULIC TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303568	Ref	HYDRAULIC TANK INSTALLATION	B
1	1001315638	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
3	7115181850	2	Bolt 1/2 x 2-1/4	
4	7115182050	2	Bolt 1/2 x 2-1/2	
5	7660182601	4	Nut 1/2	
6	7949000015	4	Washer	
7	7949000016	4	Washer	
8	7950180141	4	Washer 1/2	
9	7636000006	4	Mount, Center Bonded	
10	1001321895	1	Panel	

FIGURE 6-5. HYDRAULIC TANK ASSEMBLY

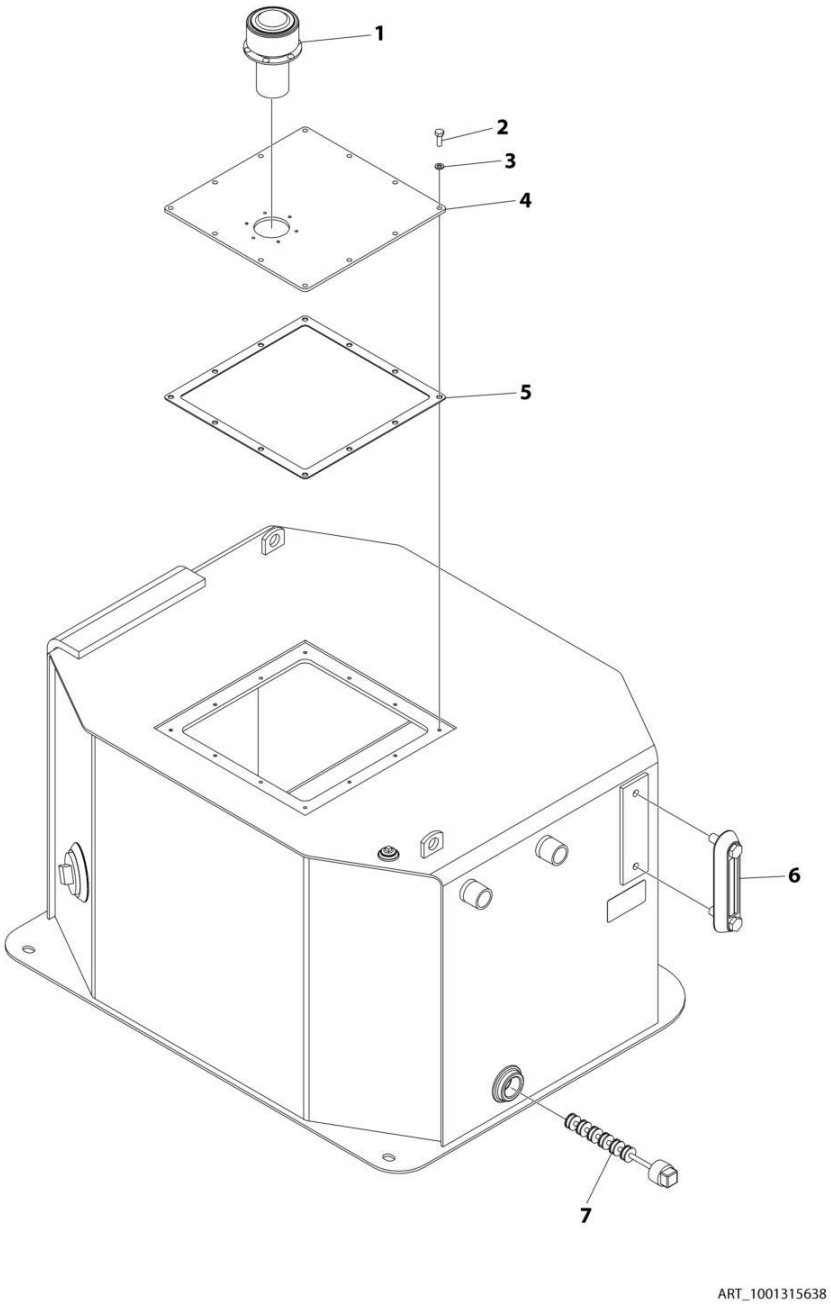


FIGURE 6-5. HYDRAULIC TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001315638	Ref	HYDRAULIC TANK ASSEMBLY	B
1	7183000004	1	Vented Fill Cap	
2	0641406	12	Bolt 1/4 x 3/4 Grd5	
3	4761400	12	Washer 1/4	
4	4706002235	1	Plate	
5	7796000051	1	Gasket	
6	7470000003	1	Gauge, Sight	
7	7701000025	1	Plug	

FIGURE 6-6. HYDRAULIC WINCH INSTALLATION - RAMSEY

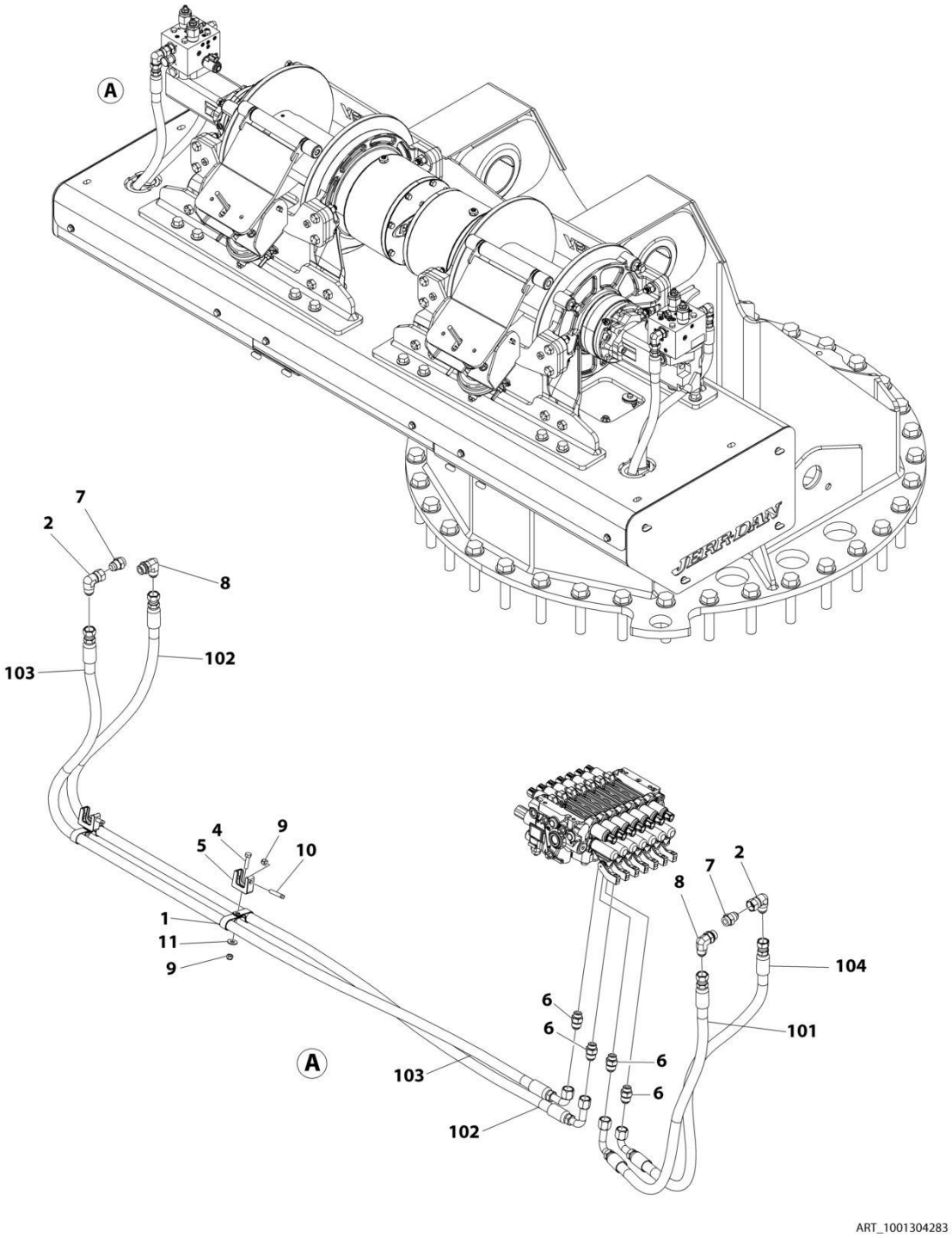


FIGURE 6-6. HYDRAULIC WINCH INSTALLATION - RAMSEY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304283	Ref	HYDRAULIC WINCH INSTALLATION - RAMSEY	B
1	1320130	4	Clamp	
2	2220973	2	Fitting, 90	
3	5526000553	5	Tie-Strap (Not Shown)	
4	7115151050	2	Capscrew 5/16 x 1-1/4	
5	7274000076	2	Clamp	
6	7445100843	4	Fitting, Straight	
7	7445101043	2	Fitting, Straight	
8	7445100845	2	Fitting, 90	
9	7660152601	4	Nut 5/16	
10	7785152420	2	Screw 5/16 x 1-1/2	
11	7950150161	2	Washer 5/16	
100	1001303501	1	Hose Kit (Not Shown)	
101	1001303499	1	Hose	
102	1001303508	1	Hose	
103	1001303509	1	Hose	
104	1001320433	1	Hose	

FIGURE 6-7. HYDRAULIC WINCH INSTALLATION - DP

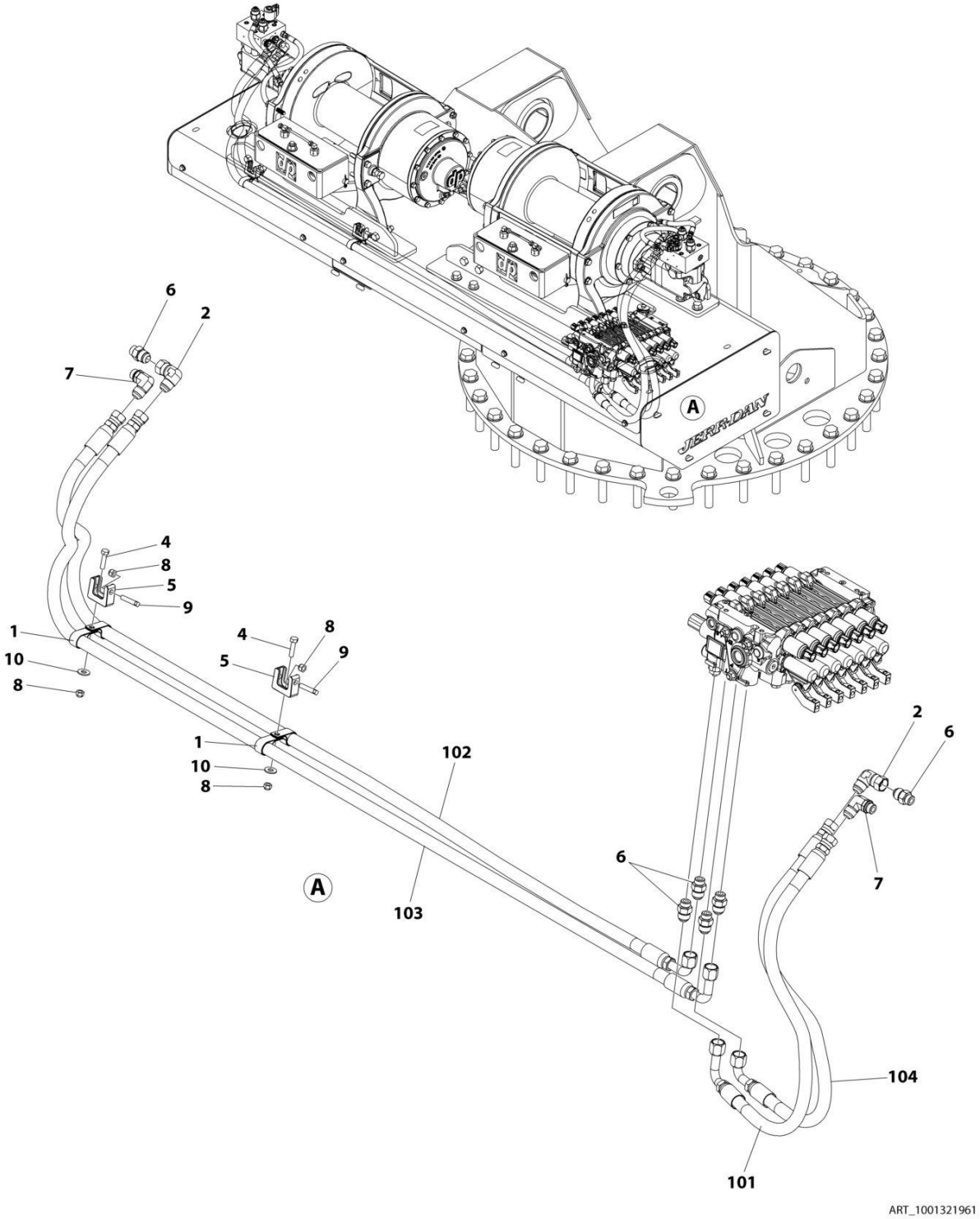


FIGURE 6-7. HYDRAULIC WINCH INSTALLATION - DP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001321961	Ref	HYDRAULIC WINCH INSTALLATION - DP	A
1	1320130	4	Clamp	
2	2220973	2	Fitting, 90	
3	5526000553	6	Tie-Strap (Not Shown)	
4	7115151050	2	Capscrew 5/16 x 1-1/4	
5	7274000076	2	Clamp	
6	7445100843	6	Fitting, Straight	
7	7445100845	2	Fitting, 90	
8	7660152601	4	Nut 5/16	
9	7785152420	2	Screw 5/16 x 1-1/2	
10	7950150161	2	Washer 5/16	
100	1001324765	1	Hose Kit (Not Shown)	
101	1001324777	1	Hose	
102	1001324778	1	Hose	
103	1001303508	1	Hose	
104	4567152038	1	Hose	

FIGURE 6-8. HYDRAULIC DRAG WINCH INSTALLATION - RAMSEY

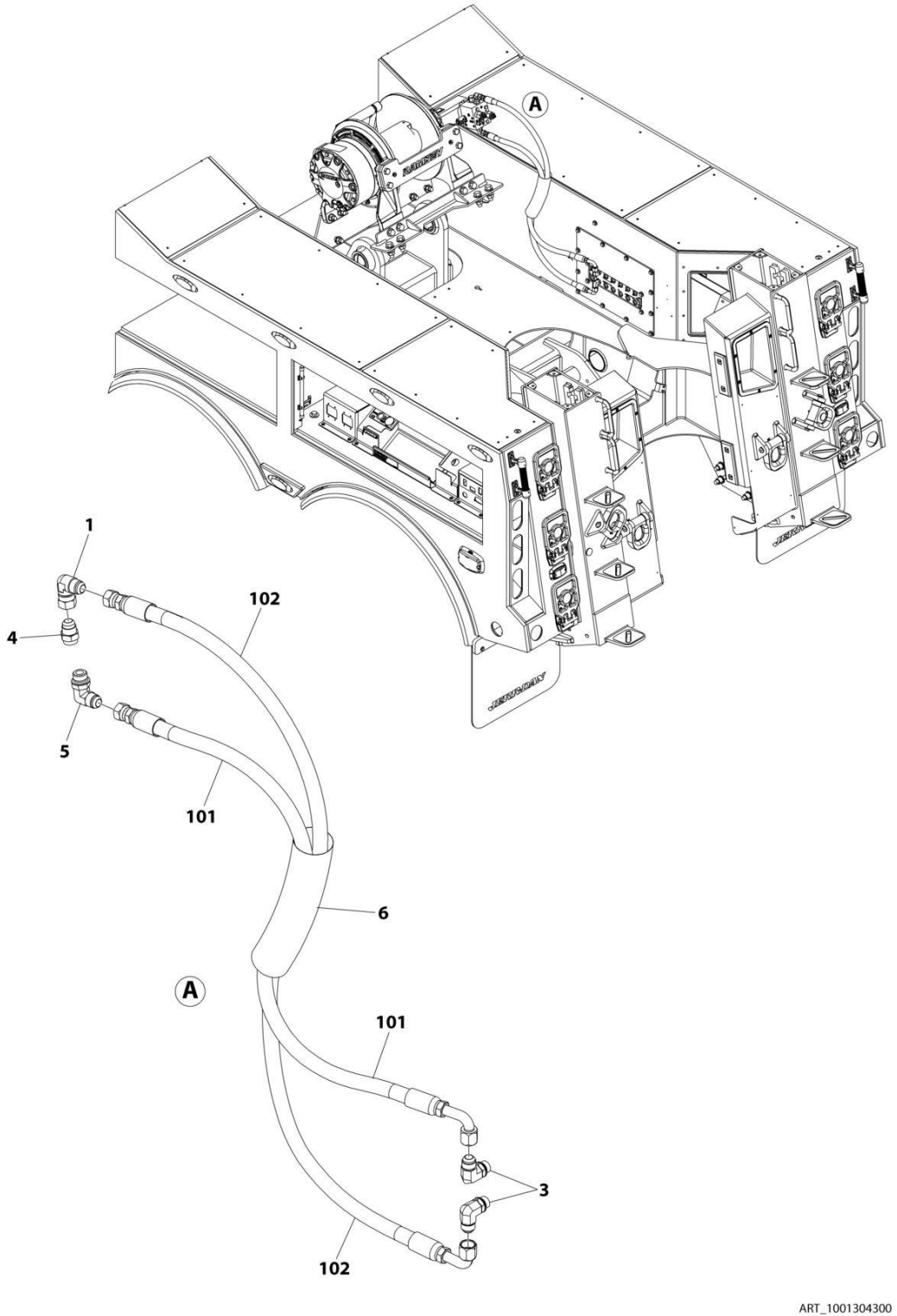


FIGURE 6-8. HYDRAULIC DRAG WINCH INSTALLATION - RAMSEY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304300	Ref	HYDRAULIC DRAG WINCH INSTALLATION	A
1	2220973	1	Fitting, 90	
2	5526000553	3	Tie-Strap (Not Shown)	
3	7445100845	2	Fitting, 90	
4	7445101043	1	Fitting, Straight	
5	7445101045	1	Fitting, 90	
6	8565000007	1 ft	Hose	
100	1001304296	1	Hose Kit (Not Shown)	
101	4567152048	1	Hose	
102	4567152060	1	Hose	

FIGURE 6-9. HYDRAULIC DRAG WINCH INSTALLATION - DP

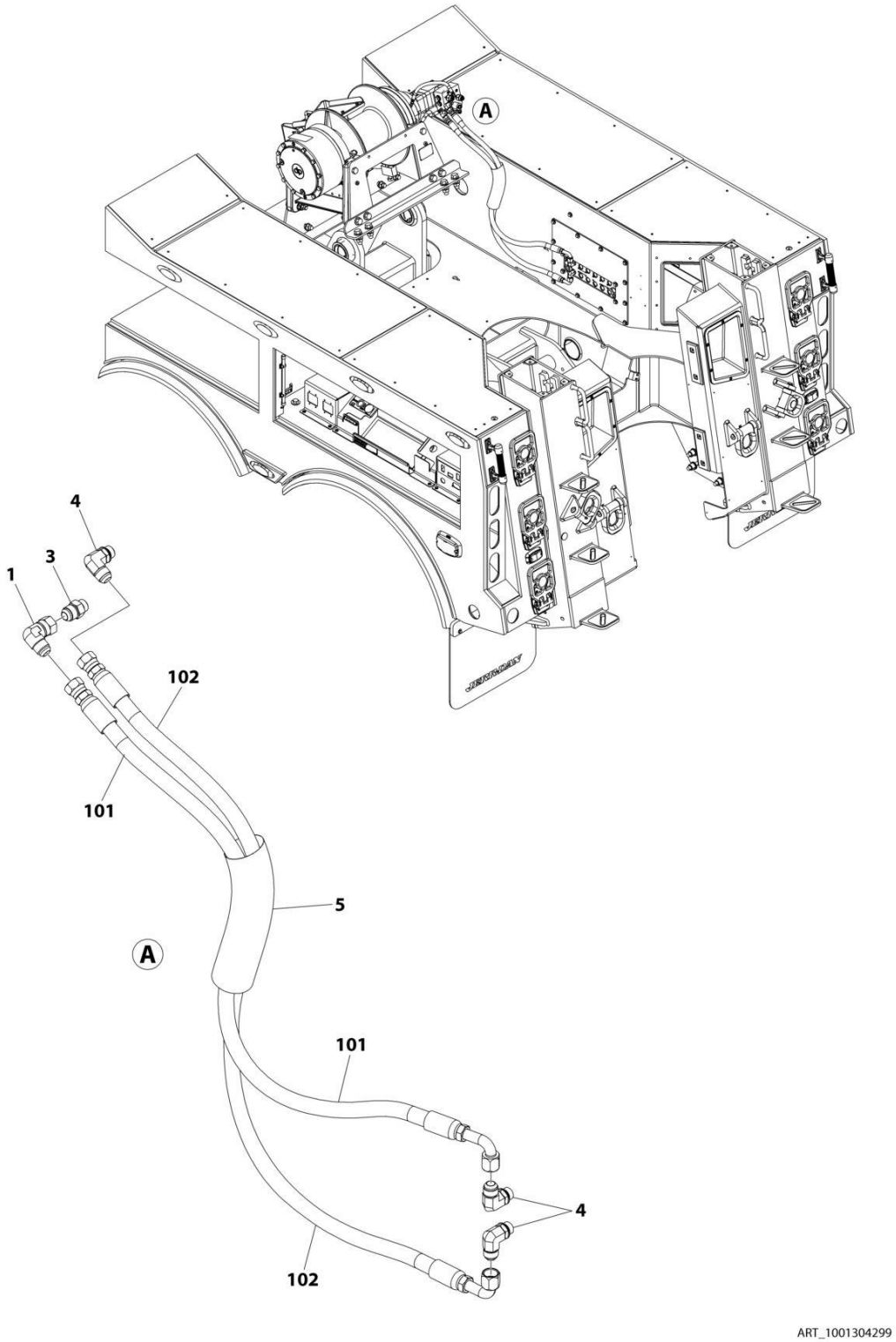


FIGURE 6-9. HYDRAULIC DRAG WINCH INSTALLATION - DP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304299	Ref	HYDRAULIC DRAG WINCH DP50 INSTALLATION	A
1	2220973	1	Fitting, 90	
2	5526000553	6	Tie-Strap (Not Shown)	
3	7445100843	1	Fitting, Straight	
4	7445100845	3	Fitting, 90	
5	8565000007	1 ft	Hose	
100	1001304297	1	Hose Kit (Not Shown)	
101	4567152048	1	Hose	
102	4567152054	1	Hose	

FIGURE 6-10. AIR VALVE 4 SECTION ASSEMBLY

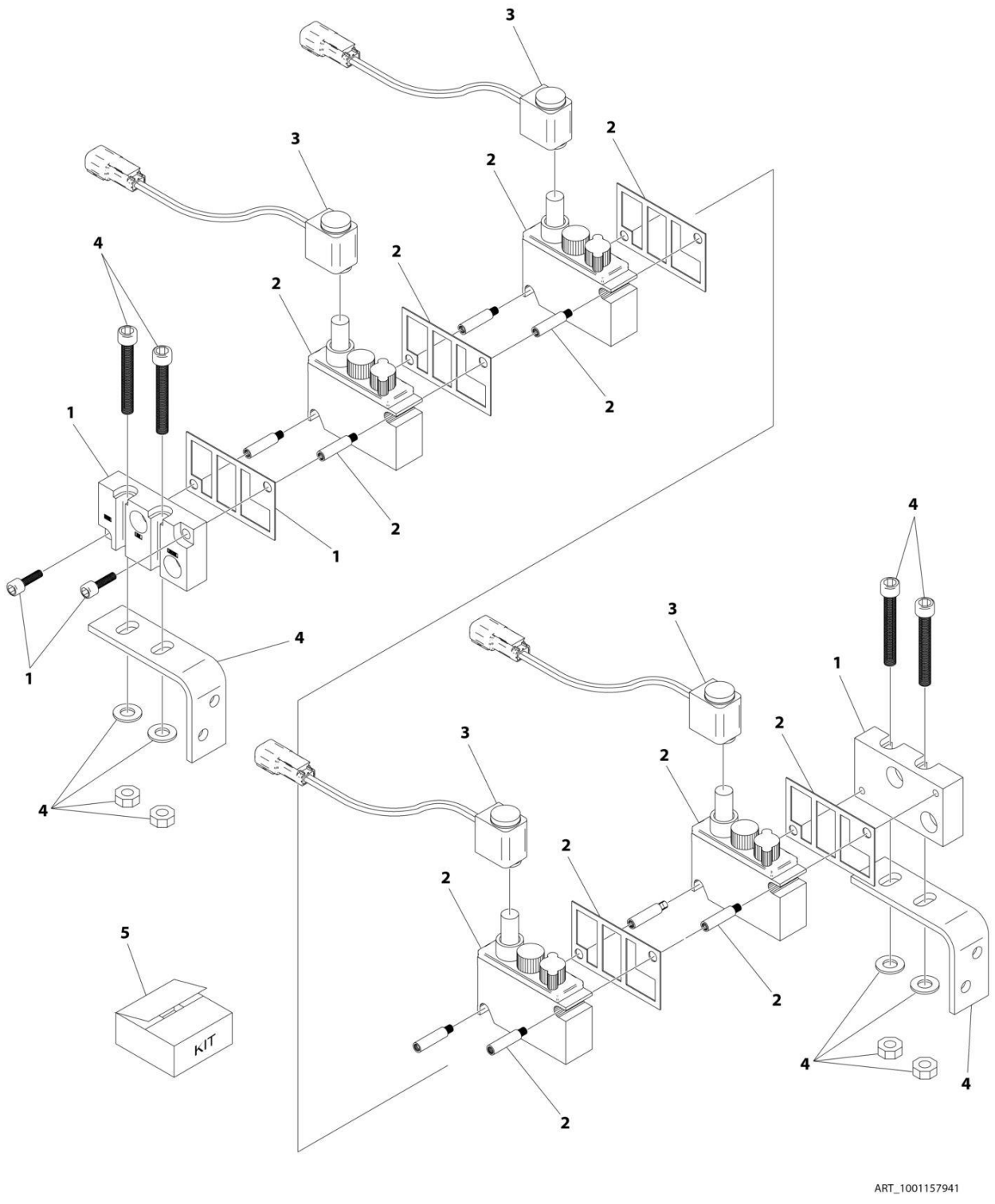


FIGURE 6-10. AIR VALVE 4 SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157941	Ref	Air Valve 4 Section Assembly	A
1	70050526	1	Kit, Stacking	
2	70050527	4	Valve	
3	70050528	4	Coil	
4	70050529	1	Kit, Mounting Bracket	
5	70050530	4	Kit, Spool Seal	

FIGURE 6-11. AUX WINCH STEEL TUBES INSTALLATION

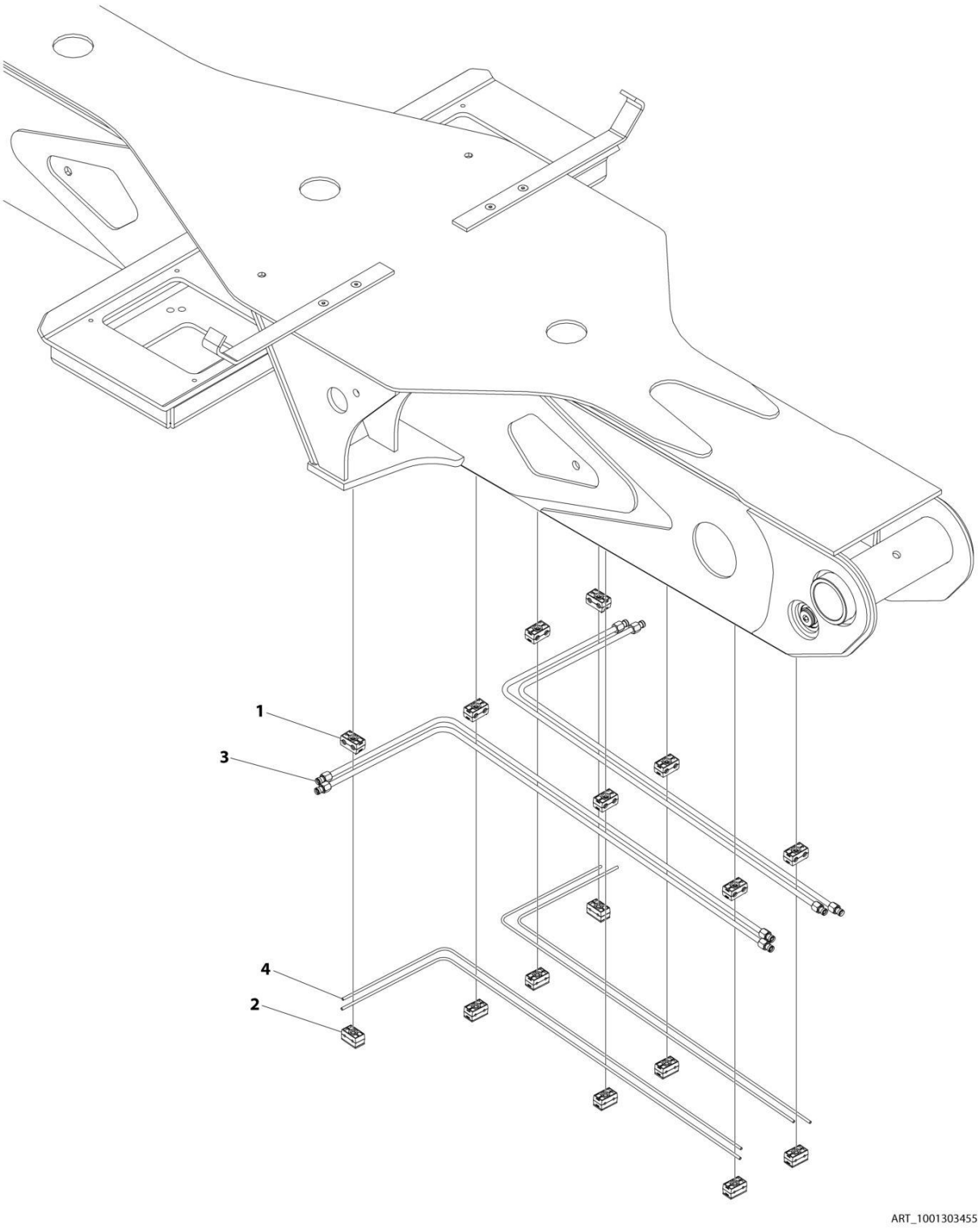


FIGURE 6-11. AUX WINCH STEEL TUBES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303455	Ref	AUX WINCH STEEL TUBES INSTALLATION	A
1	1001137487	8	Clamp, Kit	
2	1001158716	8	Clamp, Kit	
3	1001303450	4	Pipe	
4	1001303451	4	Pipe	

FIGURE 6-12. DUAL WINCH AIR INSTALLATION

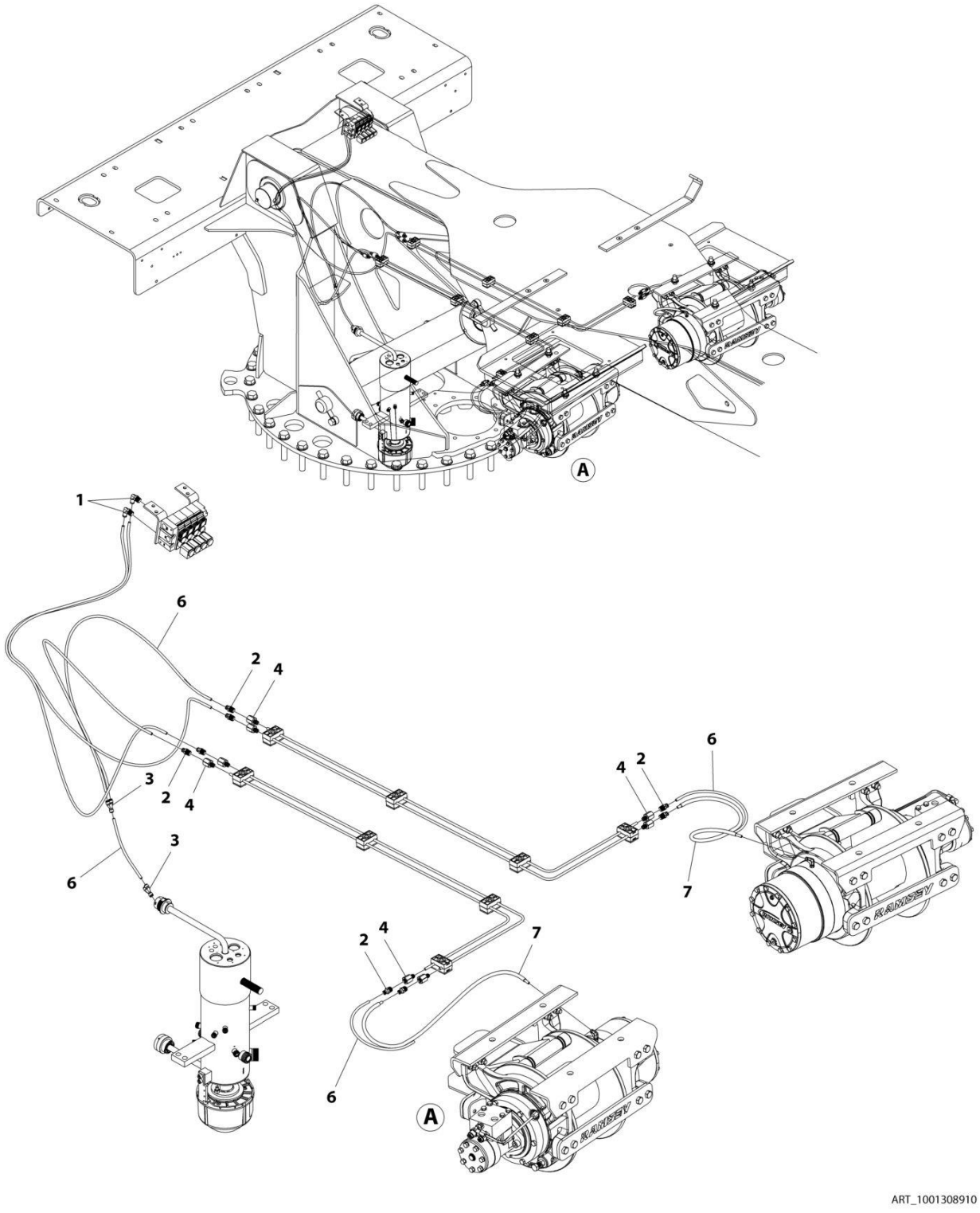


FIGURE 6-12. DUAL WINCH AIR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308910	Ref	DUAL WINCH AIR INSTALLATION	B
1	7443000139	2	Fitting, 90	
2	7443000329	8	Fitting, Straight	
3	7443000448	2	Fitting, Union	
4	7445040421	8	Fitting, Straight	
5	5526000553	9	Tie-Strap (Not Shown)	
6	7565000016	27 ft	Airline Tubing	
7	8597650002	5 ft	Loom, Wire	

FIGURE 6-13. HOSE INSTALLATION - AUXILIARY WINCH - RAMSY

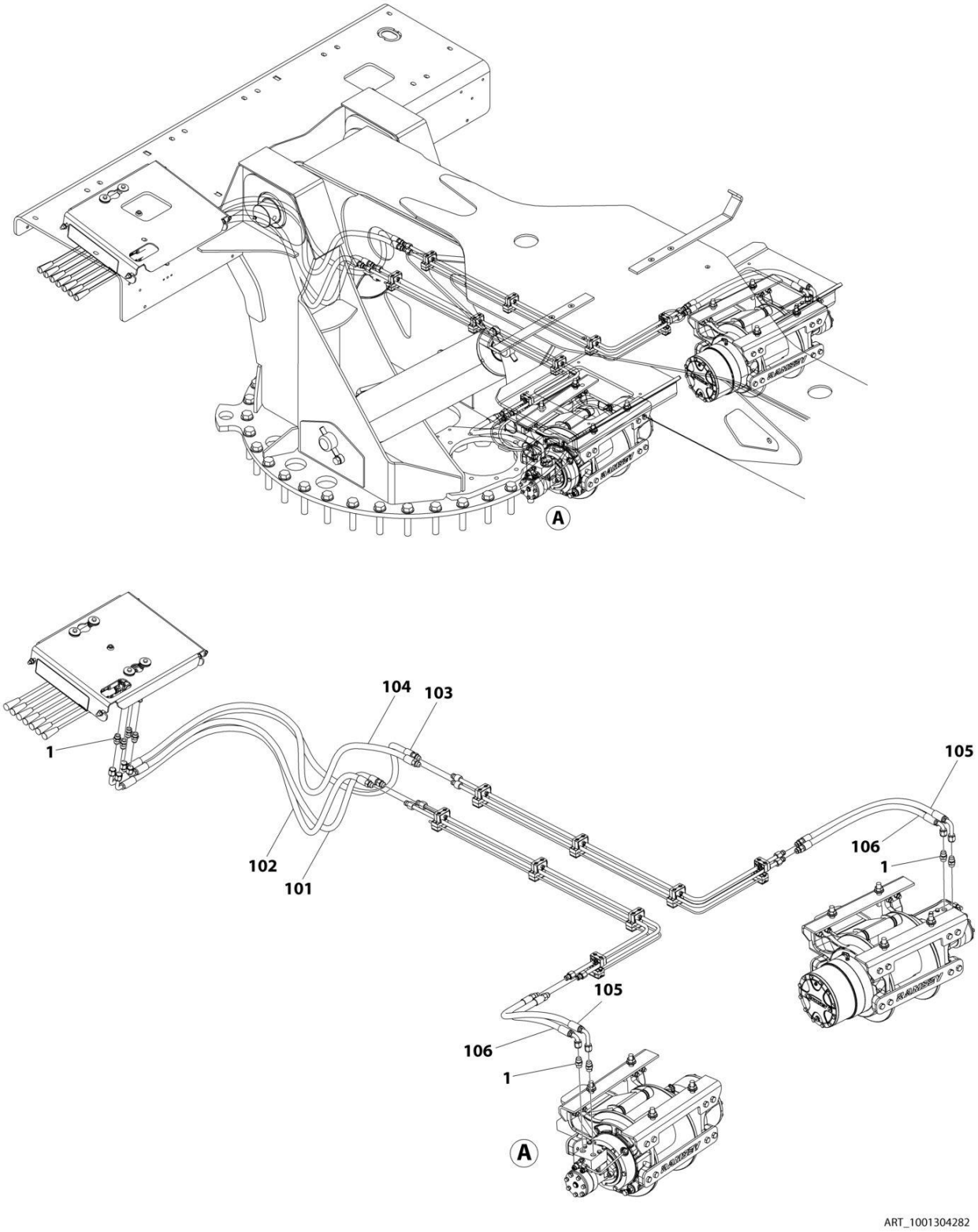


FIGURE 6-13. HOSE INSTALLATION - AUXILIARY WINCH - RAMSY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304282	Ref	HOSE INSTALLATION - AUXILIARY WINCH	A
1	7445080843	8	Fitting, Straight	
100	1001303658	1	Hose Kit (Not Shown)	
101	1001136846	1	Hose	
102	1001303661	1	Hose	
103	1001303664	1	Hose	
104	1001303665	1	Hose	
105	1001303737	2	Hose	
106	1001303738	2	Hose	

FIGURE 6-14. HOSE INSTALLATION - AUXILIARY WINCH - DP

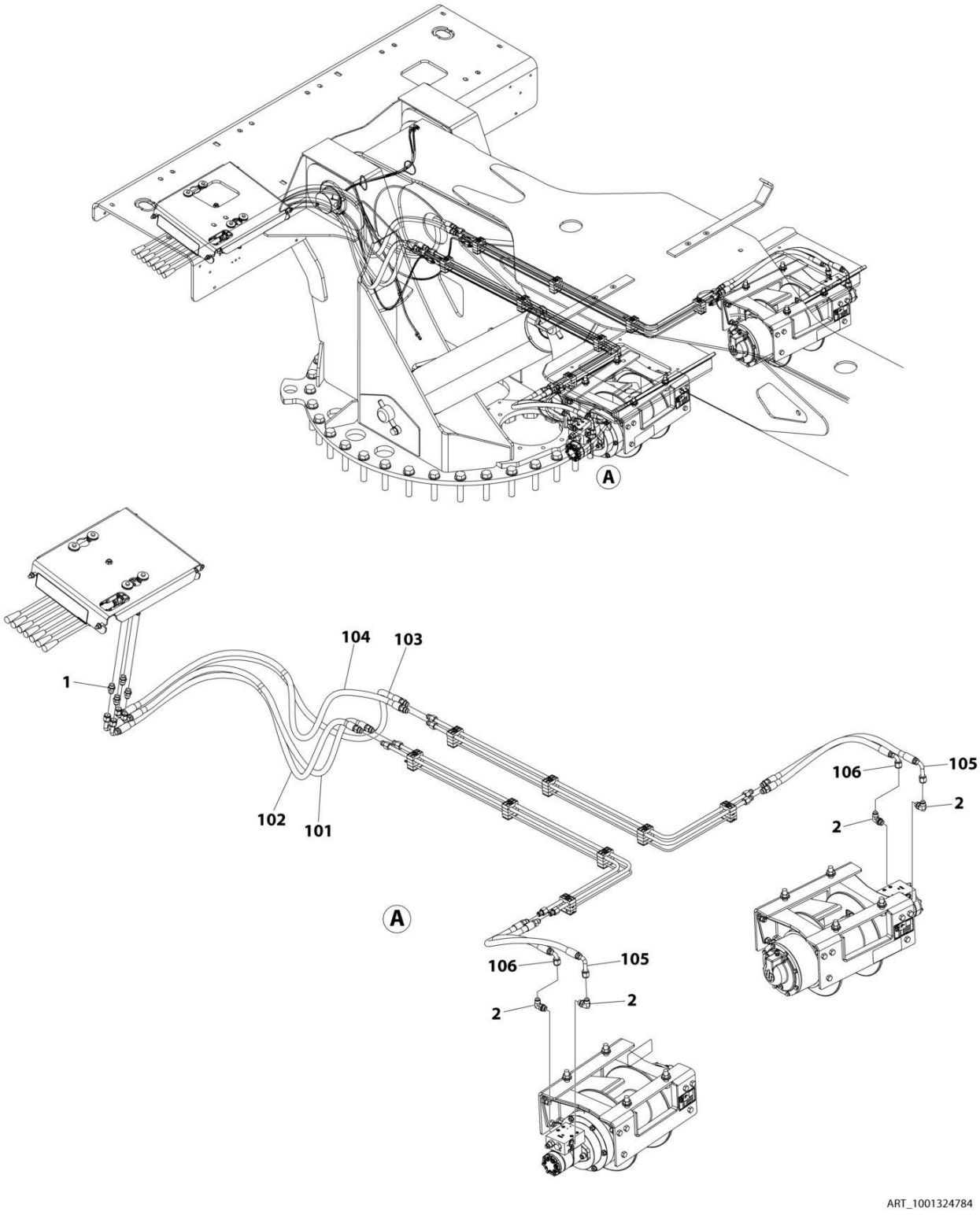


FIGURE 6-14. HOSE INSTALLATION - AUXILIARY WINCH - DP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001324784	Ref	HOSE INSTALLATION - AUXILIARY WINCH DP	A
1	7445080843	4	Fitting, Straight	
2	7445080845	4	Fitting, 90	
100	1001324819	1	Hose Kit (Not Shown)	
101	1001136846	1	Hose	
102	1001303661	1	Hose	
103	1001303664	1	Hose	
104	1001303665	1	Hose	
105	4569143034	2	Hose	
106	1001303738	2	Hose	

FIGURE 6-15. OIL HEATER

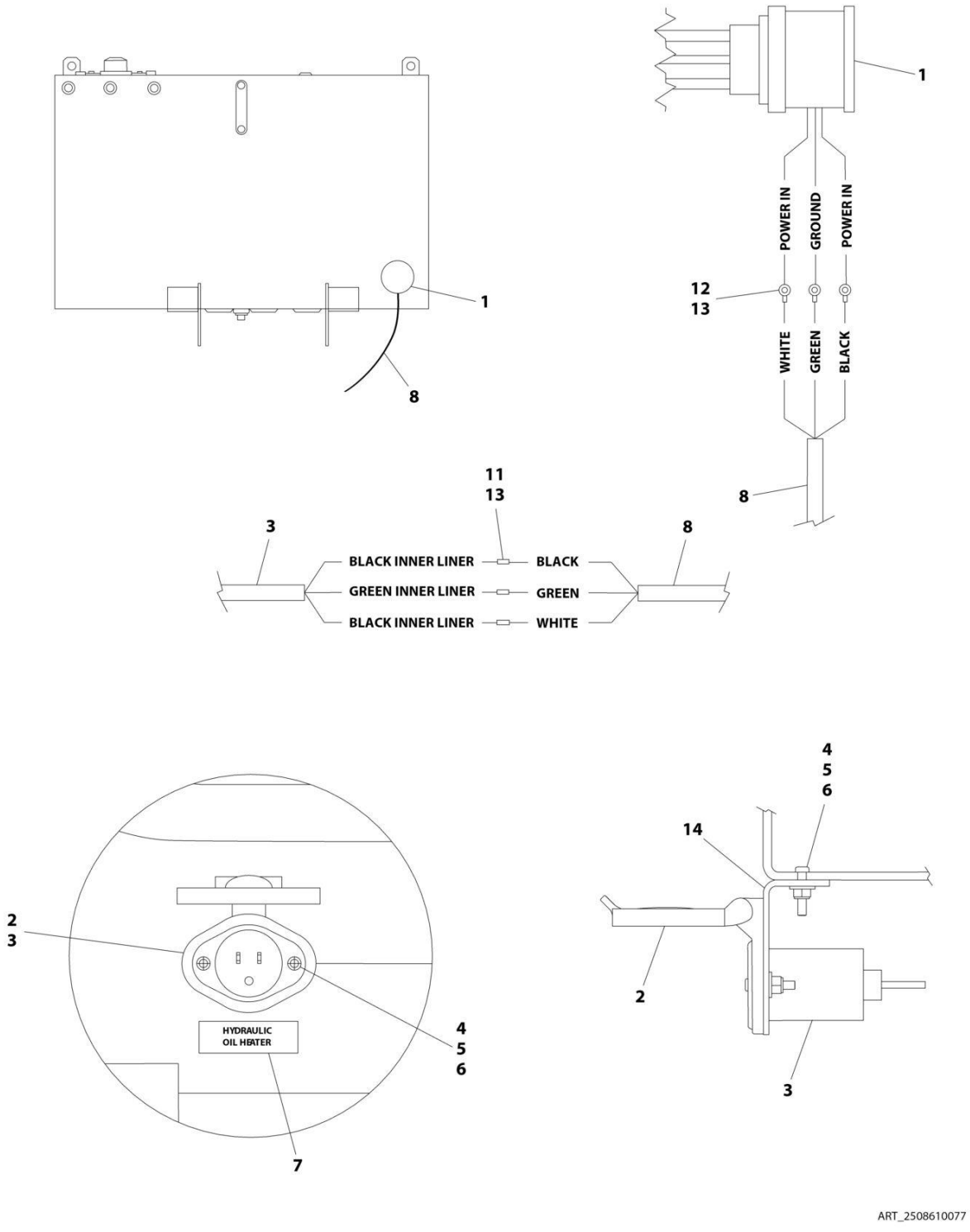


FIGURE 6-15. OIL HEATER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2508610077	Ref	Oil Heater Installation	B
1	7002000504	1	Oil Heater	
2	7314000010	1	Hinge	
3	7346000241	1	Connector	
4	7114100818	4	Capscrew #10 x 1	
5	7950100151	4	Washer 3/16	
6	7660102601	4	Nut #10	
7	7330000728	1	Decal	
8	5525000537	24	Wire	
9	5526000553	30	Loom (Not Shown)	
10	8594100003	6	Tie Strap (Not Shown)	
11	7345001714	3	Terminal	
12	7345211702	3	Terminal	
13	7346000039	AR	Tubing	
14	4178000775	1	Bracket	

FIGURE 6-16. REMOTE OIL COOLER INSTALLATION

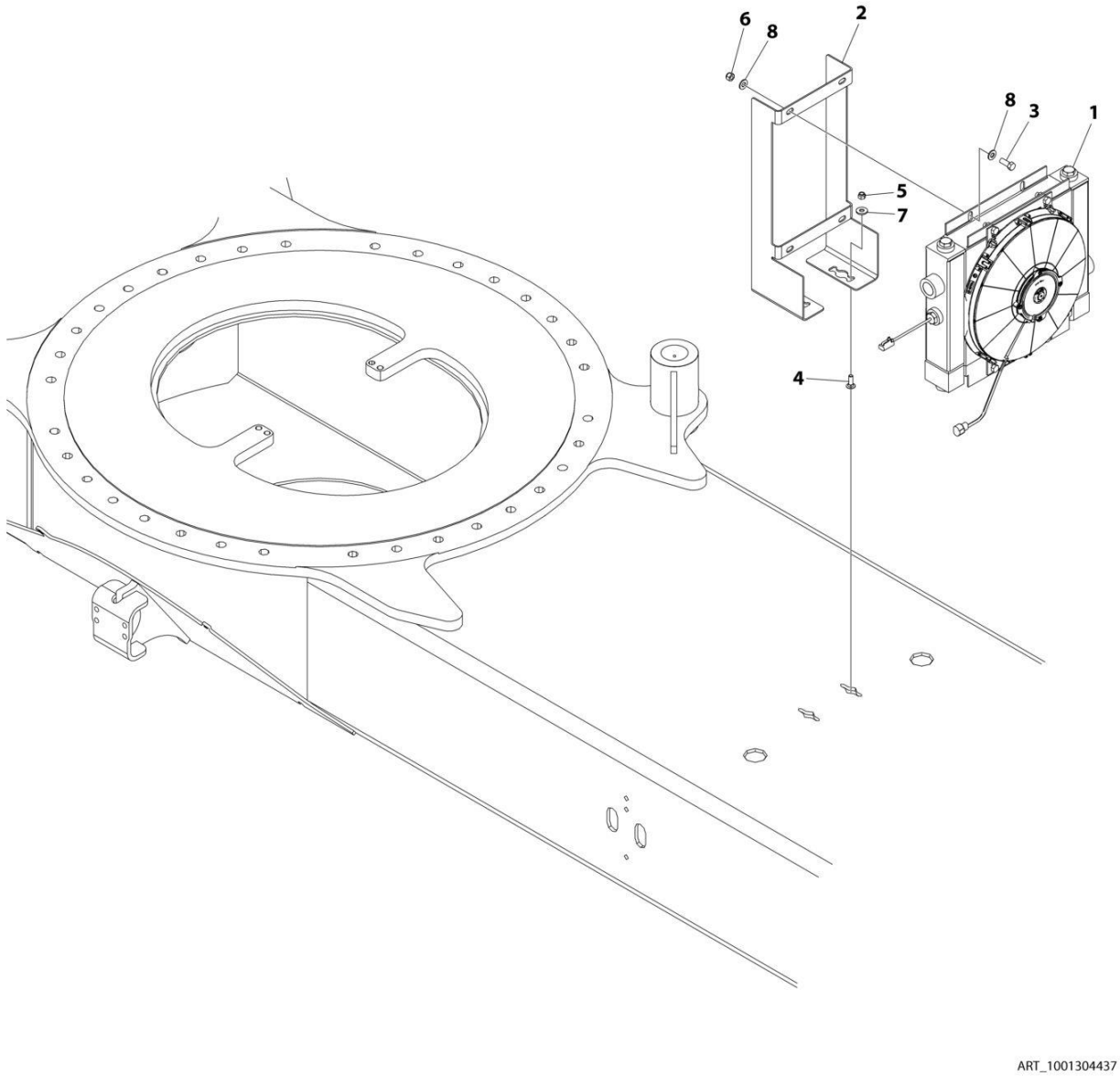


FIGURE 6-16. REMOTE OIL COOLER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304437	Ref	REMOTE OIL COOLER INSTALLATION	B
1	1001151763	1	Remote Oil Cooler Radiator (See Separate Breakdown in this Section)	
2	1001304466	1	Mount, Oil Cooler	
3	7114160850	4	Bolt 3/8 x 1	
4	7115150864	4	Bolt 5/16 x 1 Grd5	
5	7660152601	4	Nut 5/16	
6	7660162601	4	Nut 3/8	
7	7950150153	4	Washer 5/16	
8	7950160143	8	Washer 3/8	

FIGURE 6-17. REMOTE OIL COOLER RADIATOR

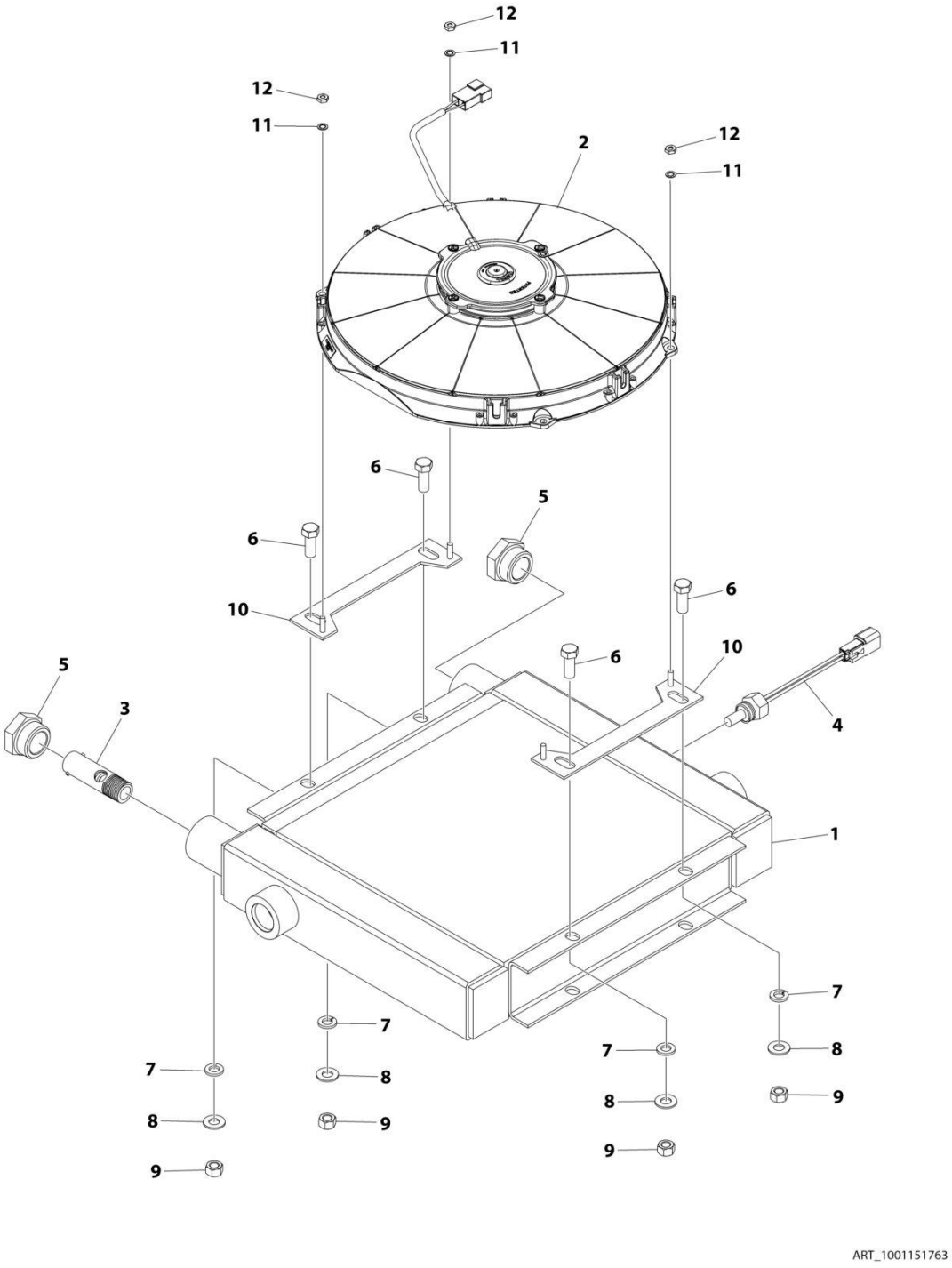


FIGURE 6-17. REMOTE OIL COOLER RADIATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151763	Ref	Remote Oil Cooler Radiator	B
1	70050273	1	Core, Cooler - NPT	
1	70050275	1	Core, Cooler - O-Ring	
2	70050276	1	Fan	
3	70050277	1	Valve, Bypass Check	
4	70050274	1	Switch, Temperature - NPT	
4	70050278	1	Switch, Temperature - O-Ring	
5	70050280	2	Plug	
6	7115160850	4	Capscrew 3/8 x 1	
7	7950160000	4	Lockwasher 3/8	
8	7950160161	4	Washer 3/8	
9	7660160000	4	Nut 3/8	
10	70050279	2	Bracket	
11	70050281	4	Lockwasher #10	
12	70050282	2	Nut #10	

FIGURE 6-18. VALVE, OUTRIGGER CONTROL

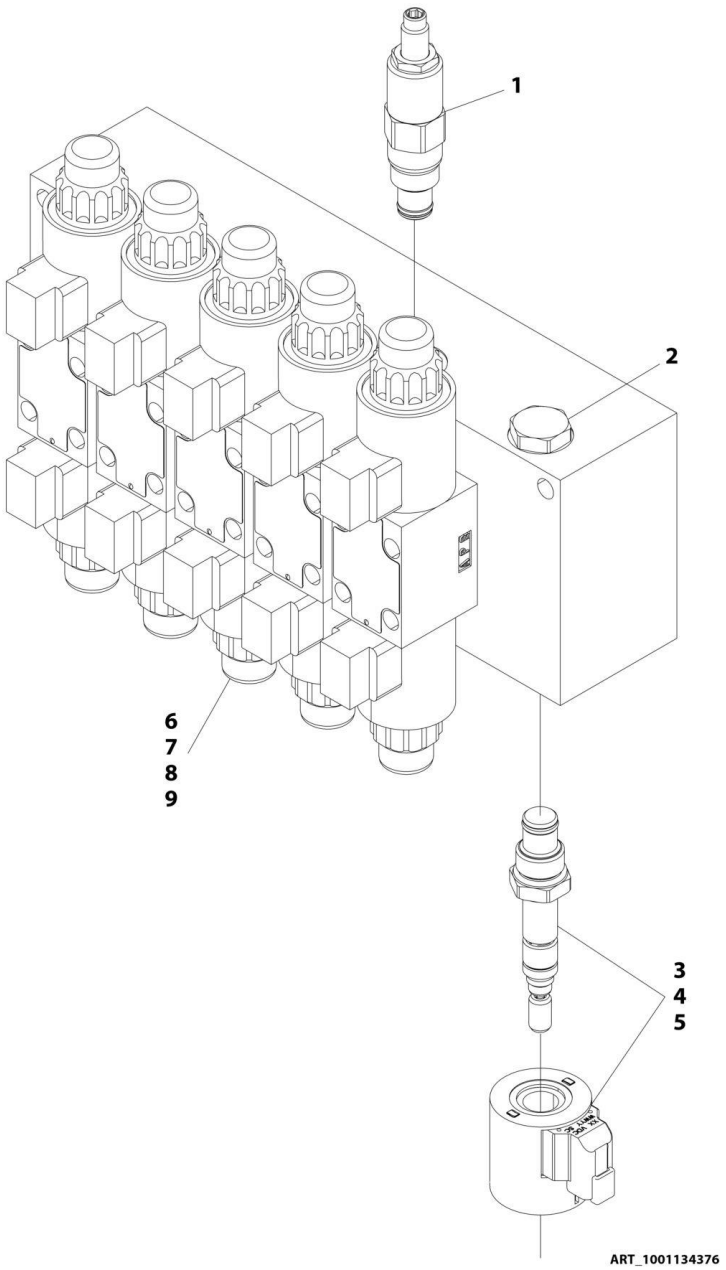


FIGURE 6-18. VALVE, OUTRIGGER CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001134376	Ref	VALVE, OUTRIGGER CONTROL	E
1	7935000280	1	Relief Valve	
1	7017496	1	Seal Kit	
2	4641193	1	Check Valve	
2	91164056	1	Seal Kit	
3	70050515	1	Solenoid Valve	
3	7022399	1	Seal Kit	
4	70050516	1	Coil	
5	7022390	1	Nut	
6	70050517	5	Directional Valve	
6	70050261	1	Seal Kit	
7	70050518	10	Coil	
8	70050111	10	Nut	
9	3931028	20	Bolt #10 x 1-3/4	

FIGURE 6-19. VALVE, UL SPADE

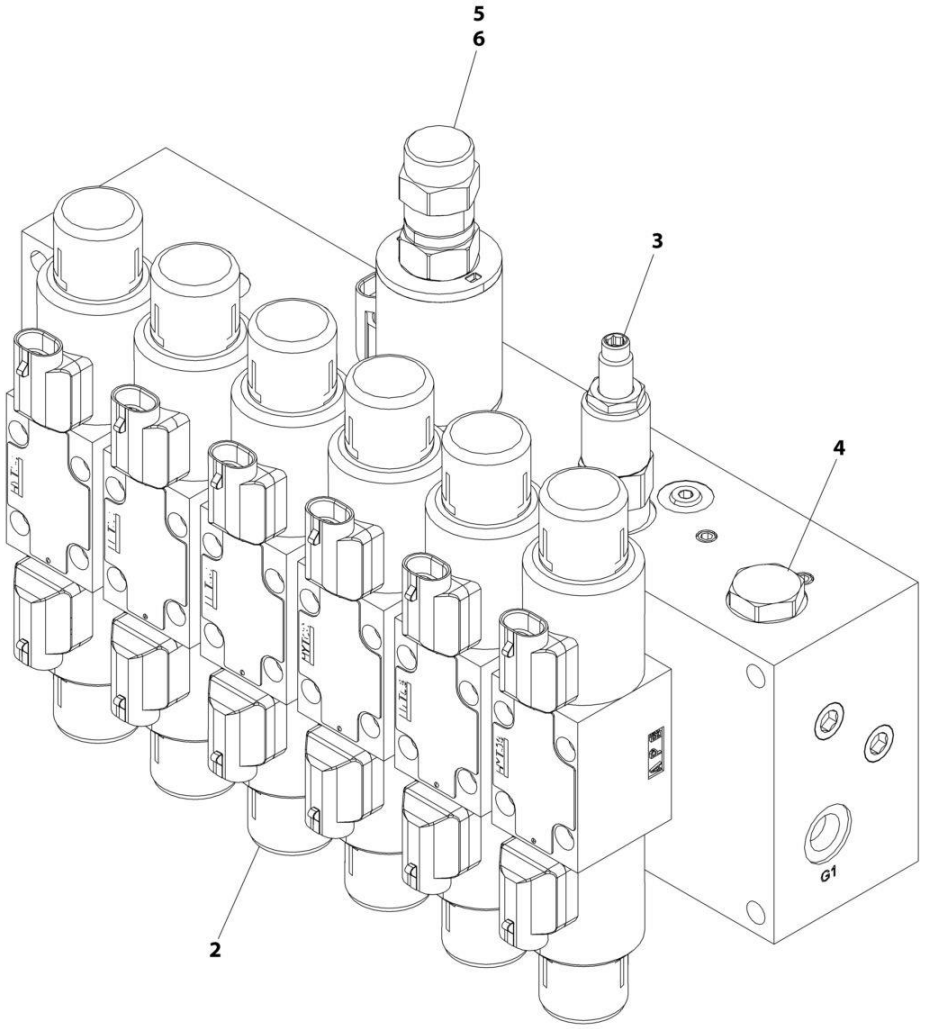
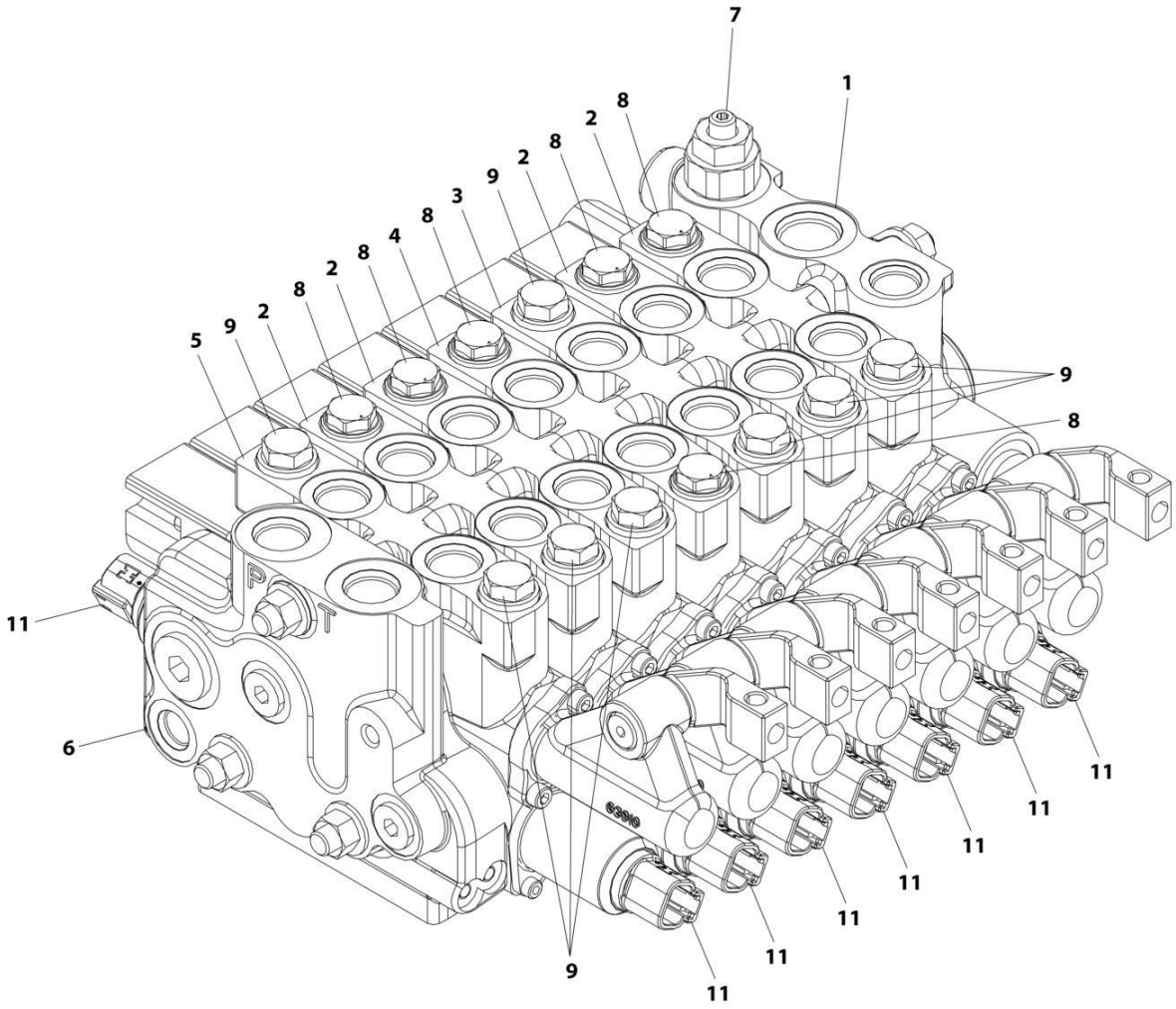


FIGURE 6-19. VALVE, UL SPADE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304122	Ref	VALVE, UL SPADE	C
2	70070161	6	Directional Valve	
2	70054080	1	Seal Kit	
2	70050518	1	Coil	
3	70054077	1	Relief Valve	
3	7017496	1	Seal Kit	
4	7022397	1	Check Valve	
4	7022399	1	Seal Kit	
5	70054078	1	Proportional Valve	
5	7017477	1	Seal Kit	
6	70054079	1	Coil	

FIGURE 6-20. VALVE ASSEMBLY, CONTROL



ART_1001301412

FIGURE 6-20. VALVE ASSEMBLY, CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301412	Ref	VALVE ASSEMBLY	D
1	70031218	1	Inlet Section Assembly	
2	70054226	4	Winch Section Assembly (Includes 2 x of Item 11)	
3	70054227	1	Boom Lift Section Assembly (Includes 2 x of Item 11)	
4	70054228	1	Boom Slew Section Assembly (Includes 2 x of Item 11)	
5	70054229	1	Boom Extend/Retract Section Assembly (Includes 2 x of Item 11)	
6	70031223	1	Outlet Section Assembly	
7	70054230	1	Drain Regulator Assembly	
8	70054231	6	Cartridge Relief Valve	
9	70054232	8	Plug, Shut-Off	
11	70029820	14	Solenoid-Cartridge Valve	

SECTION 7 - ELECTRICAL

FIGURE 7-1. ALARM INSTALLATION - FIXED BACK-UP

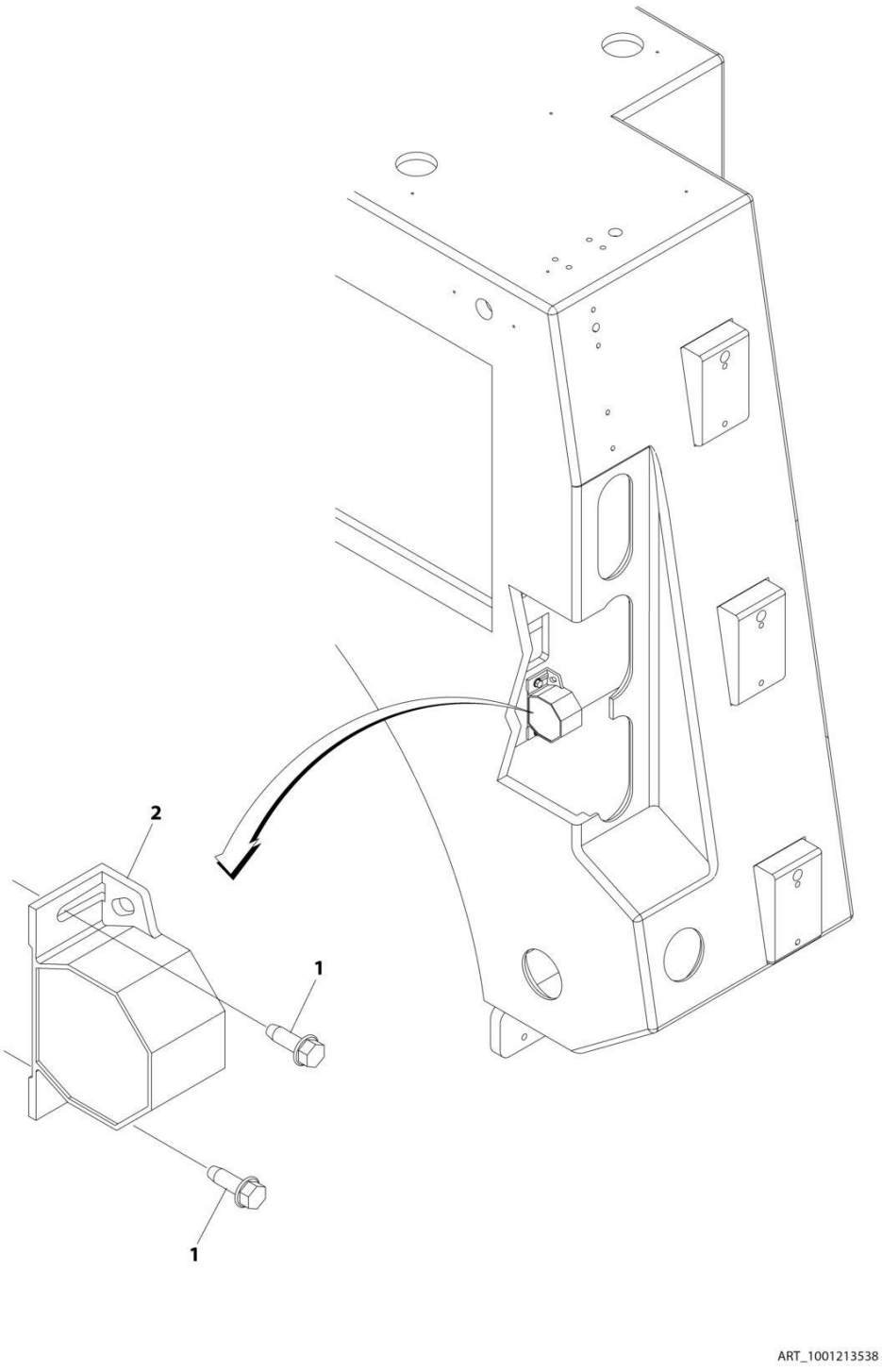


FIGURE 7-1. ALARM INSTALLATION - FIXED BACK-UP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213538	Ref	Fixed Back-Up Alarm Installation	A
1	7790141251	2	Screw 1/4 x 3/4	
2	7011000006	1	Alarm	

FIGURE 7-2. BACK-UP CAMERA INSTALLATION

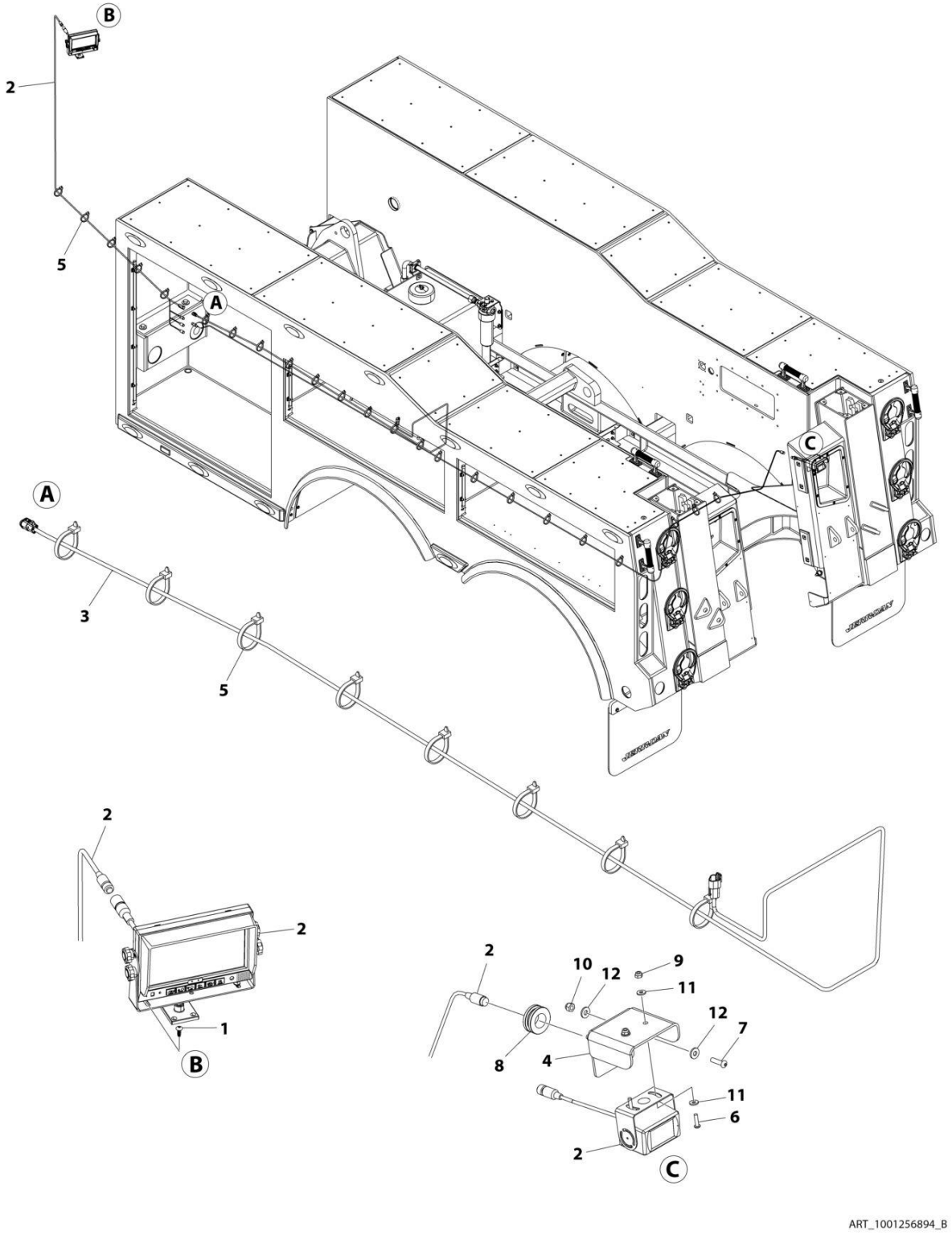


FIGURE 7-2. BACK-UP CAMERA INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256894	Ref	BACK-UP CAMERA INSTALLATION	B
1	1001192958	2	Screw #10 x 1/2	
2	1001219309	1	Accessory Back-Up Camera, Kit	
3	1001215151	1	Harness, Back-Up Camera Monitor (See Separate Breakdown in ELECTRICAL Section)	
4	1001250843	1	Bracket	
5	5526000553	30	Tie-Strap	
6	7114100618	2	Screw #10 x 3/4	
7	7114140818	2	Capscrew 1/4 x 1	
8	7493000003	1	Grommet	
9	7660102601	2	Nut #10	
10	7660142601	2	Nut 1/4	
11	7950100143	4	Washer 3/16	
12	7950140143	4	Washer 1/4	

FIGURE 7-3. BACK-UP CAMERA INSTALLATION - PACCAR

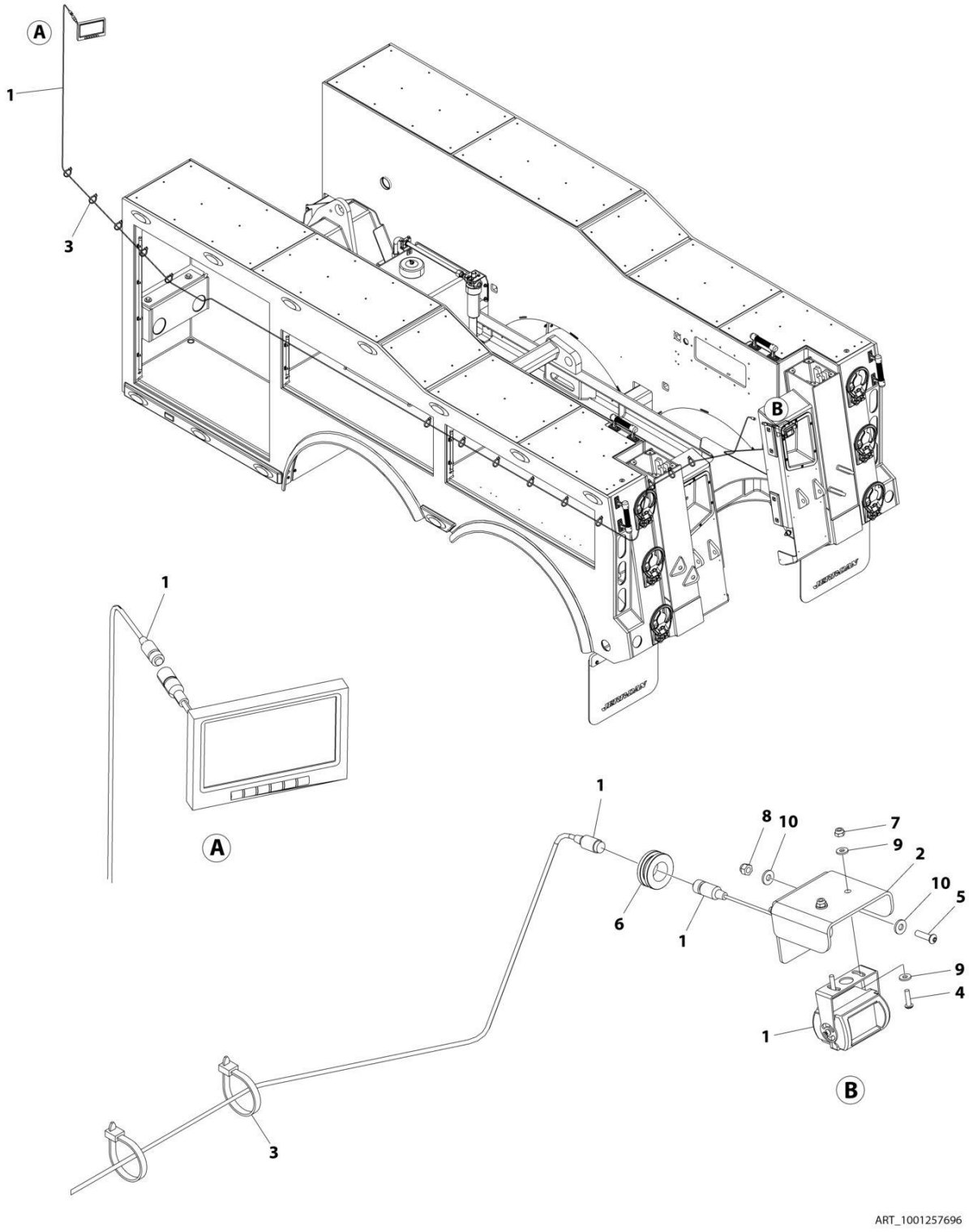


FIGURE 7-3. BACK-UP CAMERA INSTALLATION - PACCAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257696	Ref	Back-Up Camera Paccar Installation	A
1	1001204558	1	Accessory Back-Up Camera, Kit	
2	1001250843	1	Bracket	
3	5526000553	30	Tie Strap	
4	7114100618	2	Screw #10 x 3/4	
5	7114140818	2	Capscrew 1/4 x 1	
6	7493000003	1	Grommet	
7	7660102601	2	Nut #10	
8	7660142601	2	Nut 1/4	
9	7950100143	4	Washer 3/16	
10	7950140143	4	Washer 1/4	

FIGURE 7-4. BACK UP CAMERA MONITOR HARNESS

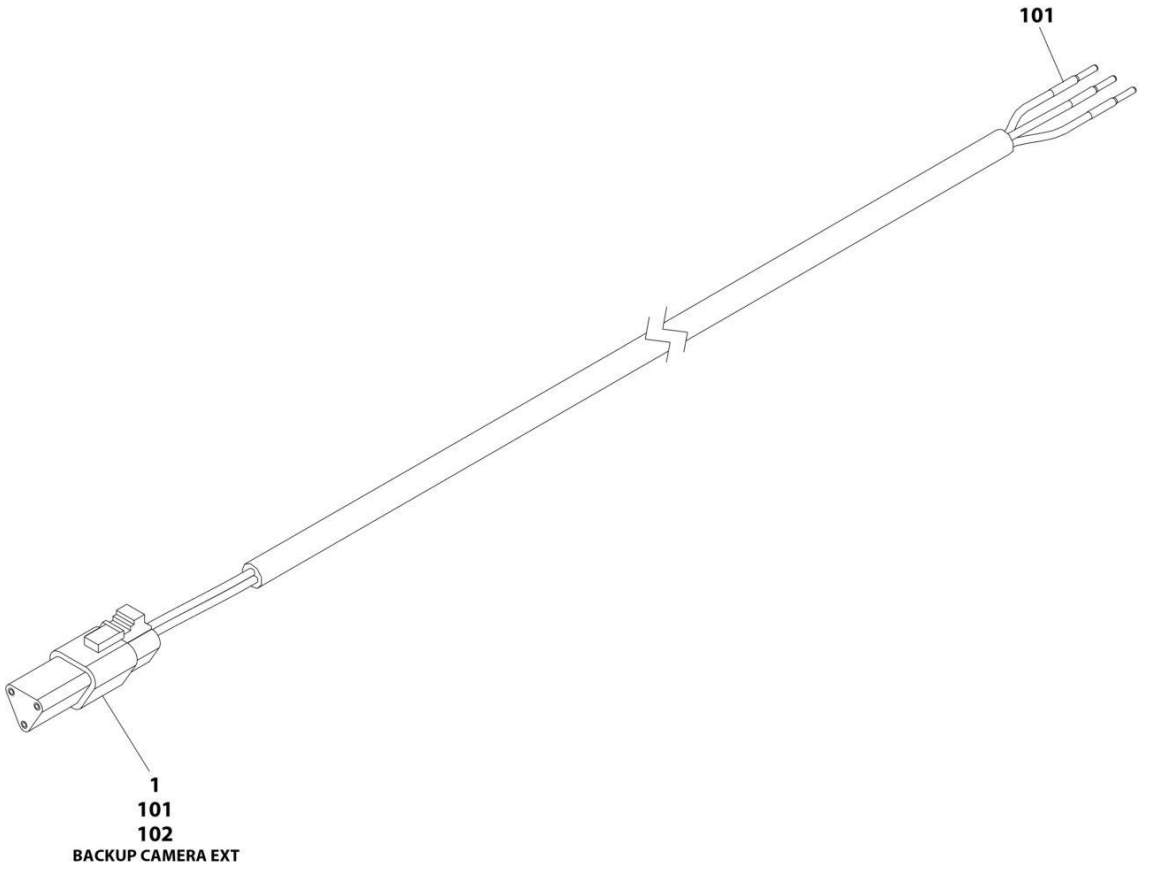


FIGURE 7-4. BACK UP CAMERA MONITOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215151	Ref	BACK UP CAMERA MONITOR HARNESS	D
1	4460539	1	Pin	
1	4460465	3	Socket (16-20AWG)	
101	4460464	6	Pin	
102	4460536	1	Connector	

FIGURE 7-5. BACK-UP CAMERA INSTALLATION - BRACKETS ONLY

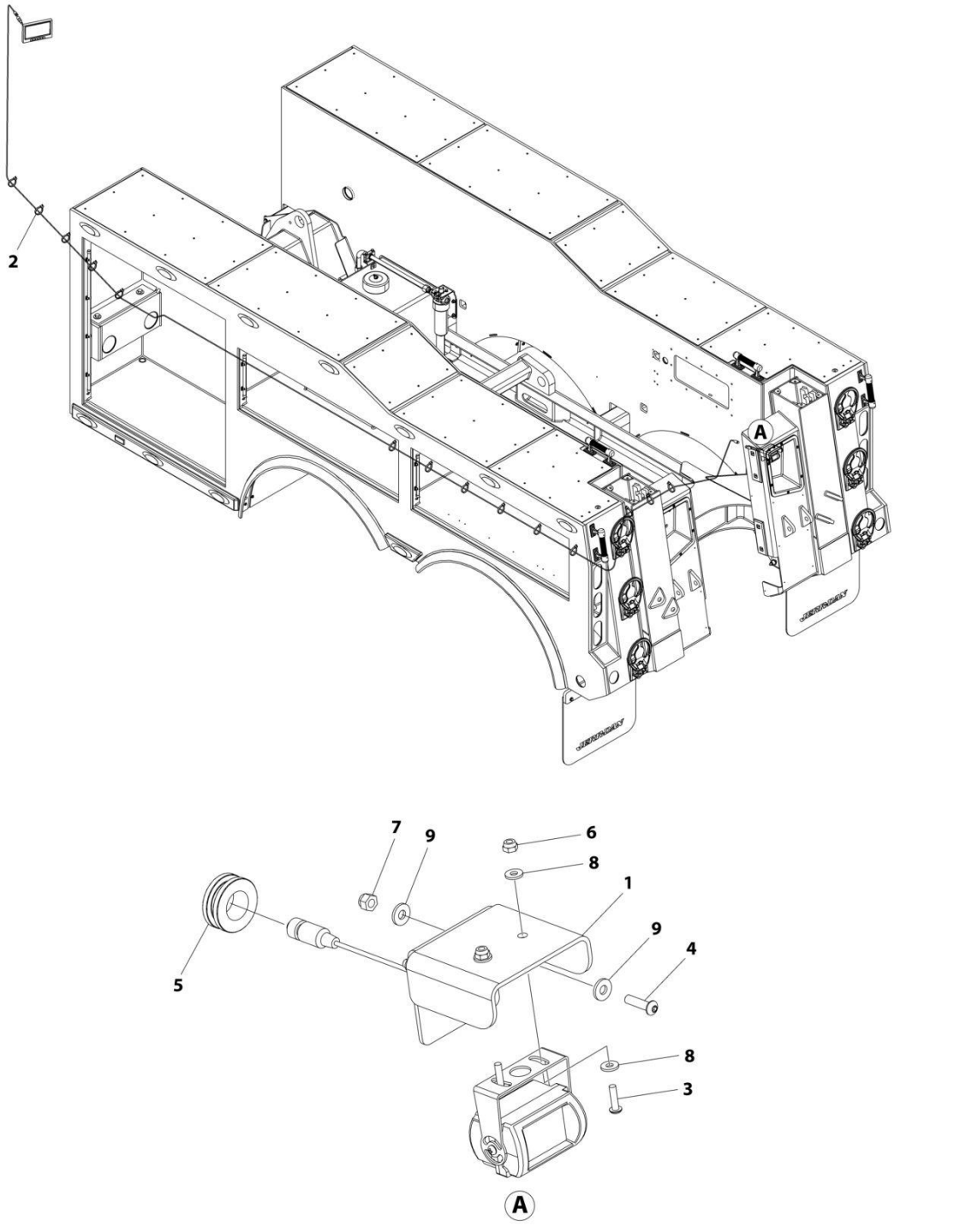


FIGURE 7-5. BACK-UP CAMERA INSTALLATION - BRACKETS ONLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257762	Ref	Back-Up Camera Mount Installation	A
1	1001250843	1	Bracket	
2	5526000553	1	Tie Strap	
3	7114100618	2	Screw #10 x 3/4	
4	7114140818	2	Capscrew 1/4 x 1	
5	7493000003	1	Grommet	
6	7660102601	2	Nut #10	
7	7660142601	2	Nut #10	
8	7950100143	4	Washer 3/16	
9	7950140143	4	Washer 1/4	

FIGURE 7-6. BATTERY RELOCATION INSTALLATION (HARDWARE AND WIRE)

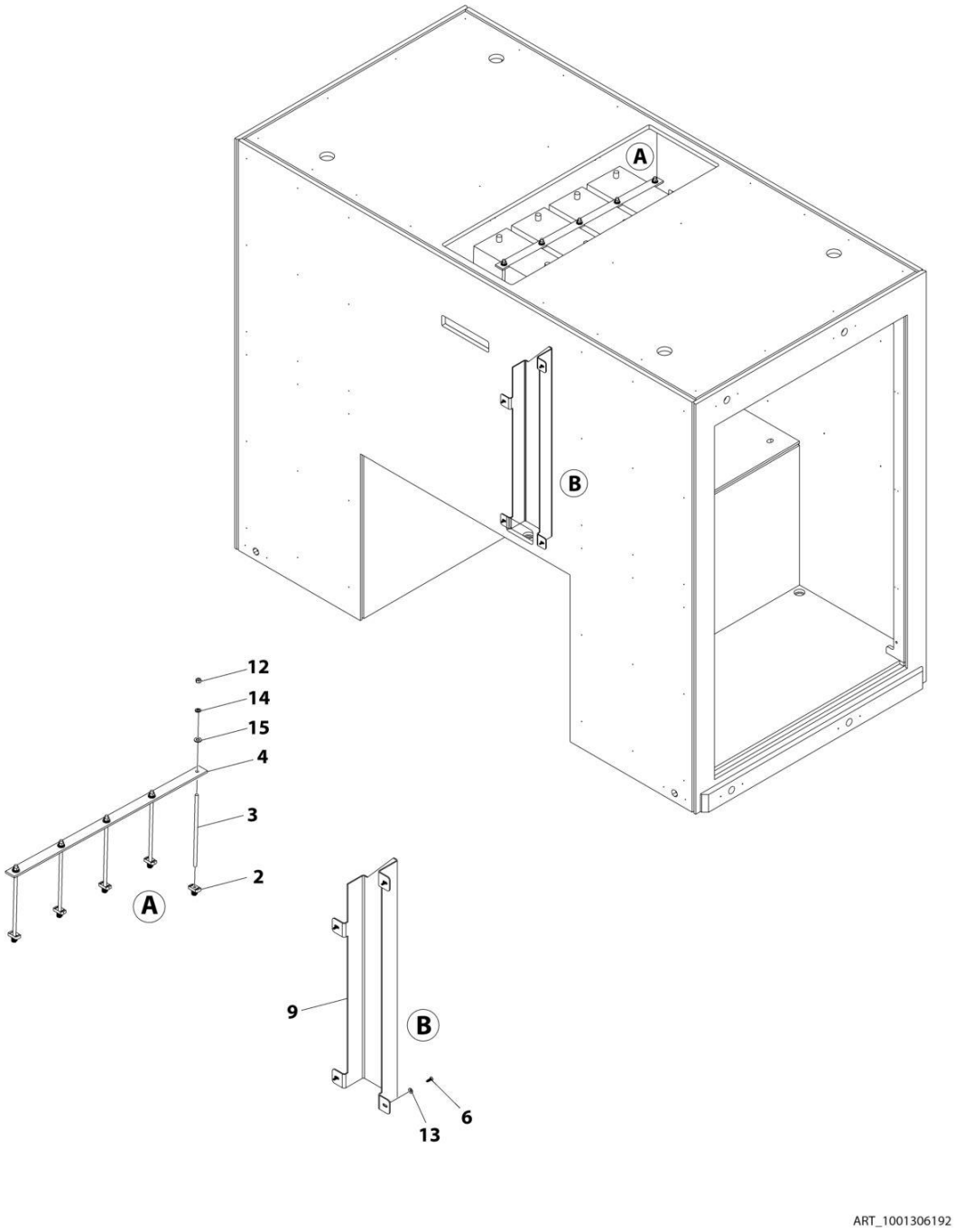


FIGURE 7-6. BATTERY RELOCATION INSTALLATION (HARDWARE AND WIRE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306192	Ref	BATTERY RELOCATION INSTALLATION	A
1	1060706	8 ft	Cable (Not Shown)	
2	1001166644	5	Nut 3/8	
3	1001166670	5	Rod, Threaded 3/8	
4	1001183200	1	Bar, Hold Down	
5	1001188538	8 ft	Cable, Battery (Red) (Not Shown)	
6	1001194676	4	Screw 1/4 x 3/4	
7	1001210960	4 ft	Wire (Black) (Not Shown)	
8	1001217996	2	Connector (Not Shown)	
9	1001306195	1	Channel	
10	7346000040	1	Heat Shrink (Not Shown)	
11	7346000131	8	Connector (Not Shown)	
12	7660160000	5	Nut 3/8	
13	7950140141	4	Washer 1/4	
14	7950160000	5	Washer 3/8	
15	7950160153	5	Washer 3/8	

FIGURE 7-7. BATTERY RELOCATION INSTALLATION (HARDWARE)

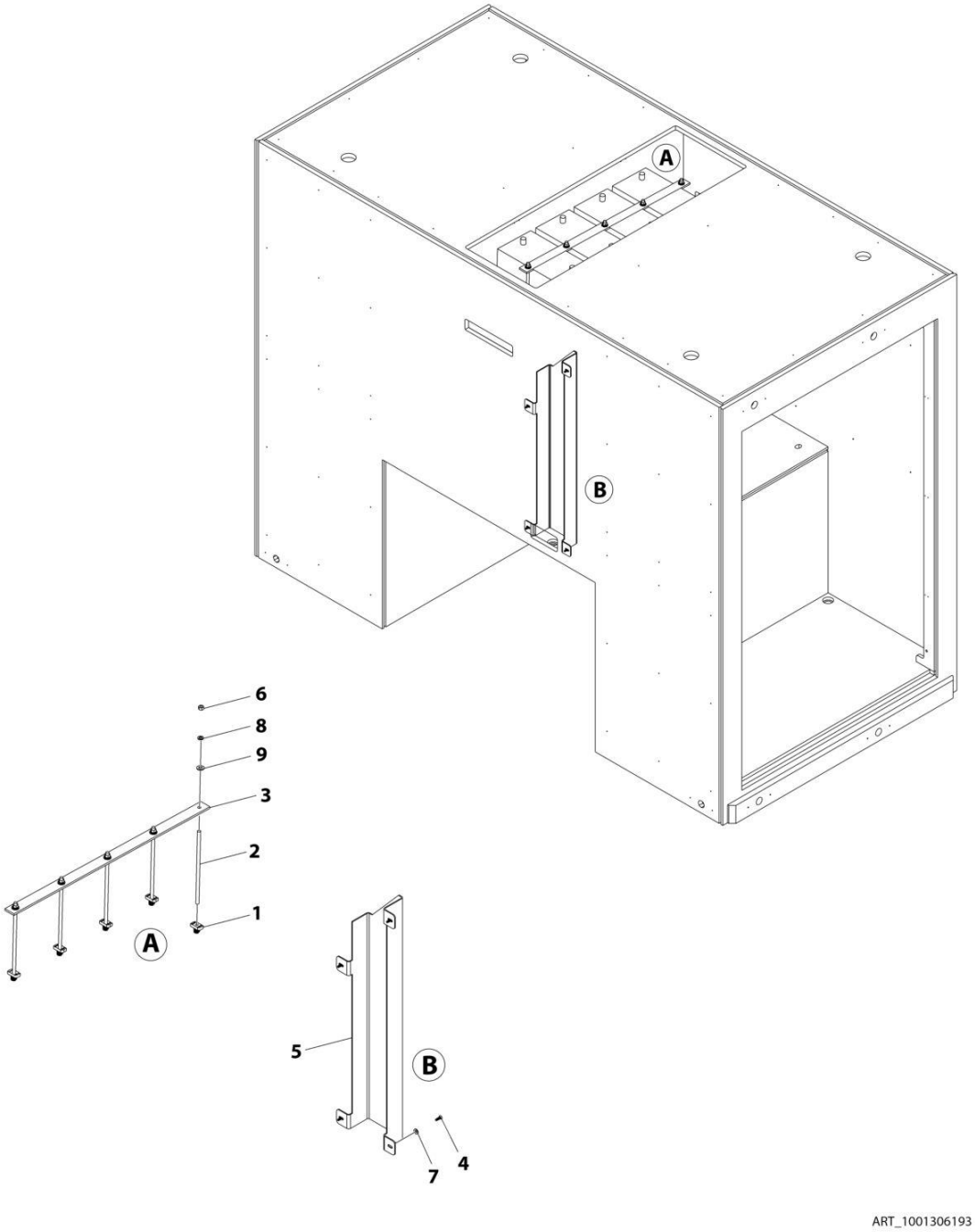
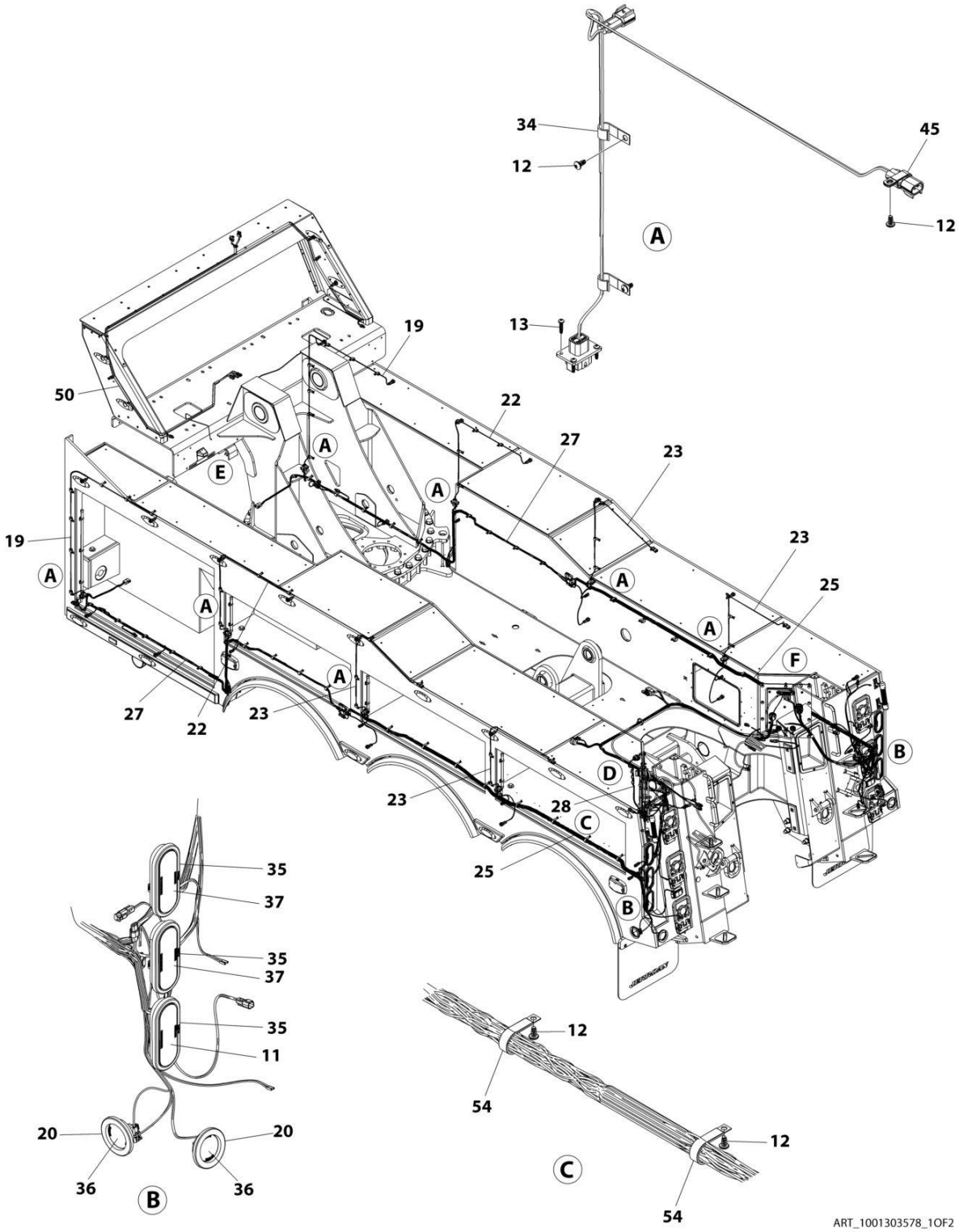
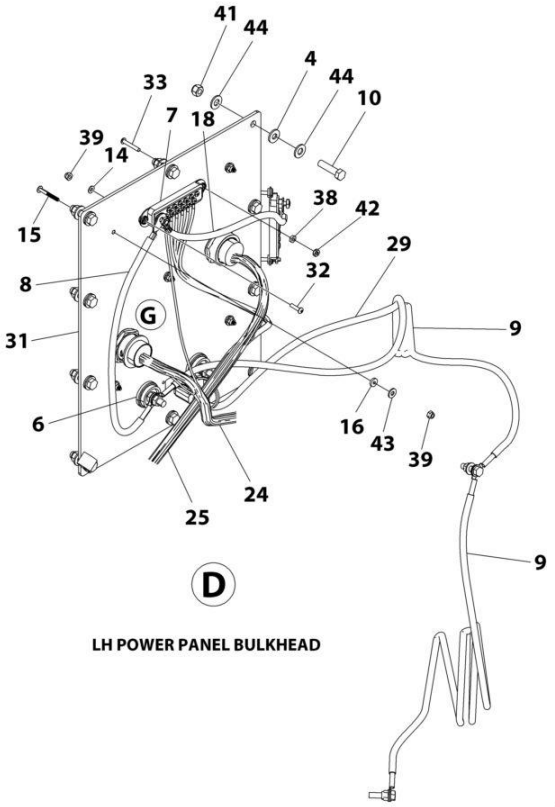


FIGURE 7-7. BATTERY RELOCATION INSTALLATION (HARDWARE)

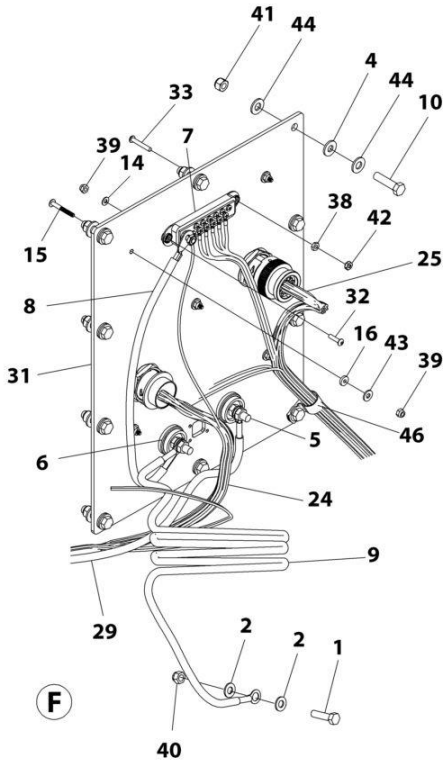
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306193	Ref	BATTERY RELOCATION INSTALLATION	A
1	1001166644	5	Nut 3/8	
2	1001166670	5	Rod, Threaded 3/8	
3	1001183200	1	Bar, Hold Down	
4	1001194676	4	Screw 1/4 x 3/4	
5	1001306195	1	Channel	
6	7660160000	5	Nut 3/8	
7	7950140141	4	Washer 1/4	
8	7950160000	5	Washer 3/8	
9	7950160153	5	Washer 3/8	

FIGURE 7-8. BODY ELECTRICAL INSTALLATION

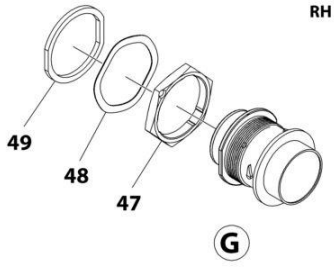


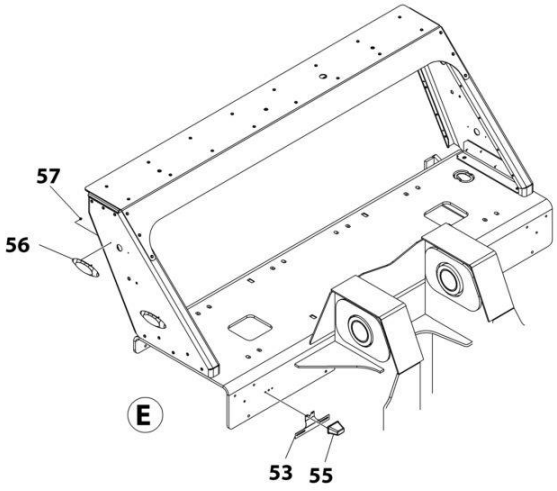


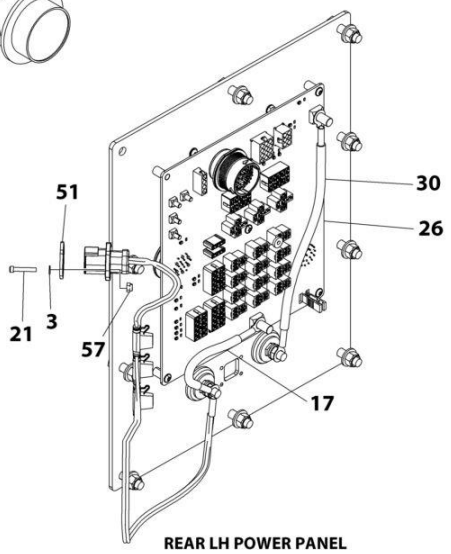
LH POWER PANEL BULKHEAD



RH POWER PANEL BULKHEAD

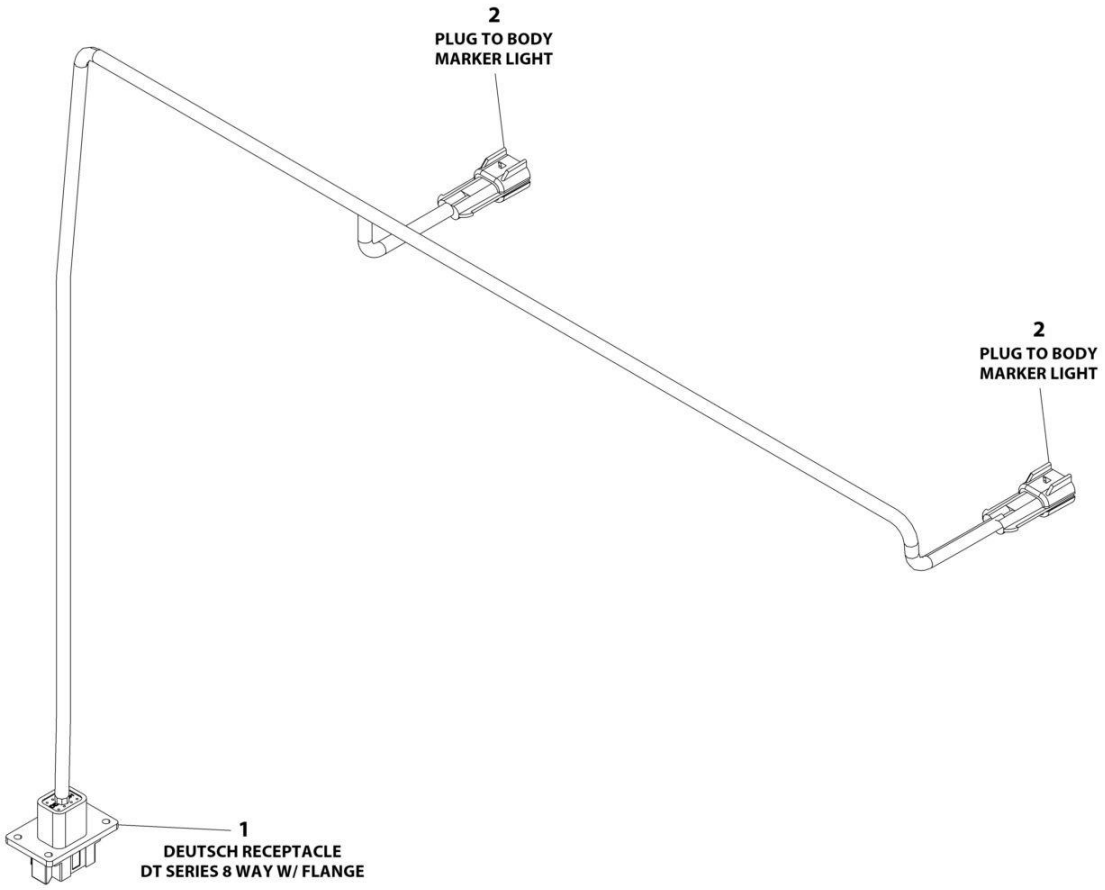






REAR LH POWER PANEL

ART_1001303578_2OF2



ART_1001229478

FIGURE 7-8. CABINET REAR BODY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229478	Ref	CABINET REAR BODY HARNESS	A
1	1001269275	1	Connector 8 Position	
1	4460464	2	Terminal	
1	4460466	6	Plug, Terminal	
1		Ref	**Gasket**	
2	1001117026	2	Connector 2 Position	
2	1001116745	2	Terminal	
2	4460458	2	Seal	

FIGURE 7-9. CABINET REAR BODY HARNESS

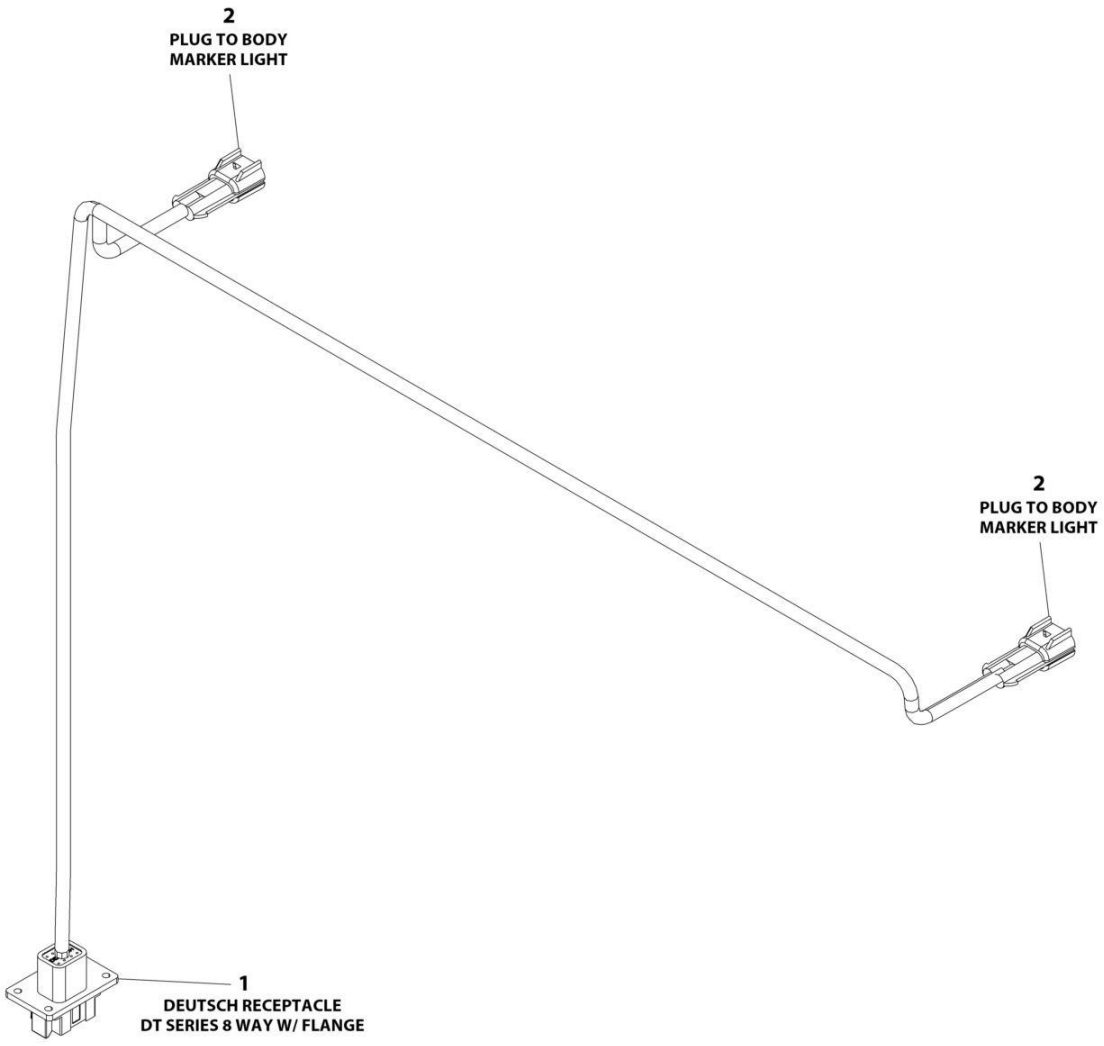


FIGURE 7-9. CABINET REAR BODY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229519	Ref	CABINET REAR BODY HARNESS	A
1	1001269275	1	Connector 8 Position	
1	4460464	2	Terminal	
1	4460466	6	Plug, Terminal	
1		Ref	**Gasket**	
2	1001117026	2	Connector 2 Position	
2	1001116745	2	Terminal	
2	4460458	2	Seal	

FIGURE 7-10. CABINET MID BODY HARNESS - TUNNEL (SHORT)

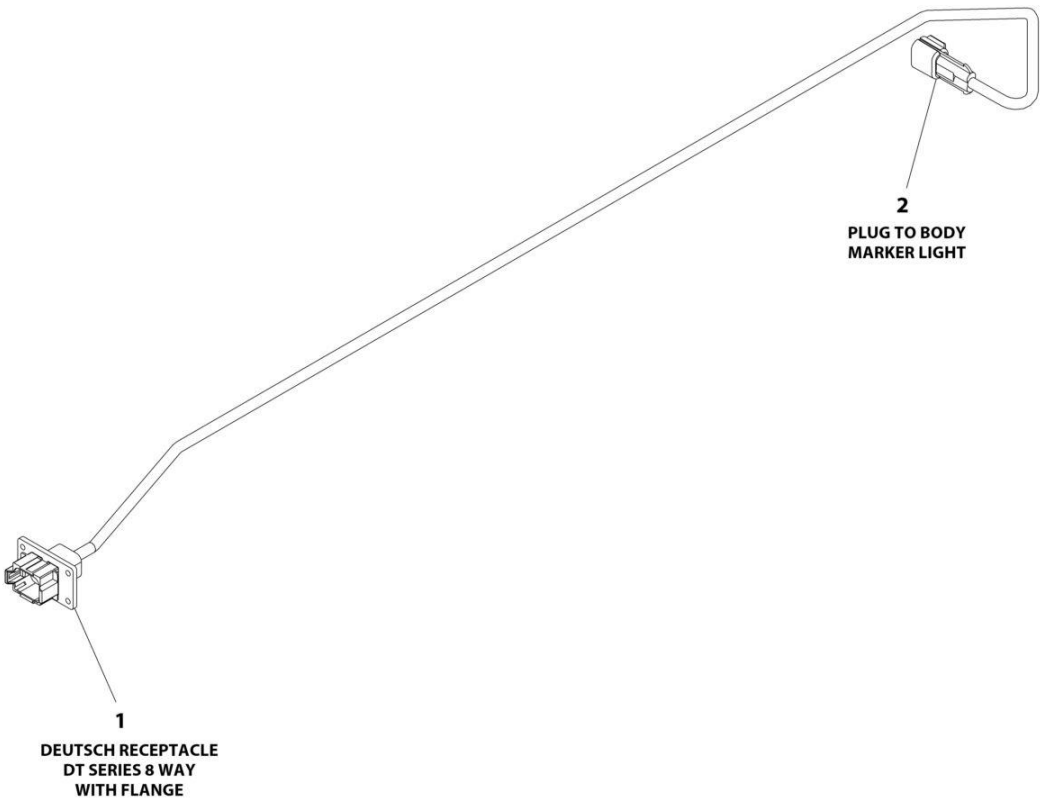


FIGURE 7-10. CABINET MID BODY HARNESS - TUNNEL (SHORT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229477	Ref	CABINET MID BODY HARNESS	A
1	4460984	1	Connector 8 Position	
1	4460464	2	Terminal	
1	4460466	6	Plug, Terminal	
2	1001177650	1	Connector 2 Position	
2	1001116745	1	Terminal	
2	4460458	1	Seal	

FIGURE 7-11. CAMERA INSTALLATION - BACK UP (BRACKETS ONLY)

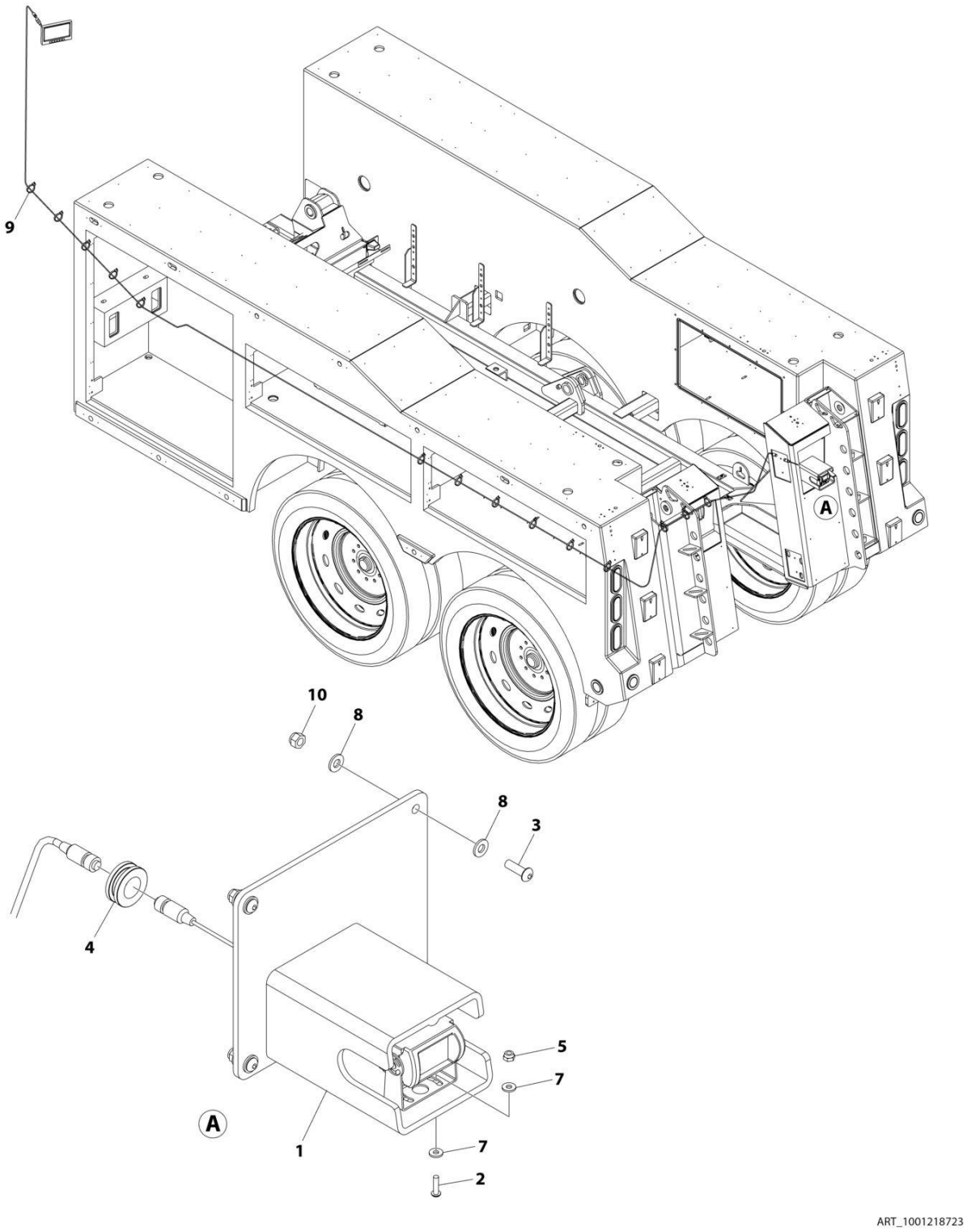


FIGURE 7-11. CAMERA INSTALLATION - BACK UP (BRACKETS ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001218723	Ref	Back-Up Camera Installation	A
1	3178000547	1	Bracket	
2	7114100618	2	Capscrew #10 x 3/4	
3	7114150818	4	Capscrew 5/16 x 1	
4	7493000003	1	Grommet	
5	7660102601	2	Nut #10	
7	7950100143	4	Washer 3/16	
8	7950150143	8	Washer 5/16	
9	5526000553	30	Tie Strap	
10	7660152601	4	Nut 5/16	

FIGURE 7-12. CAMERA INSTALLATION - UNDERLIFT MOUNTED

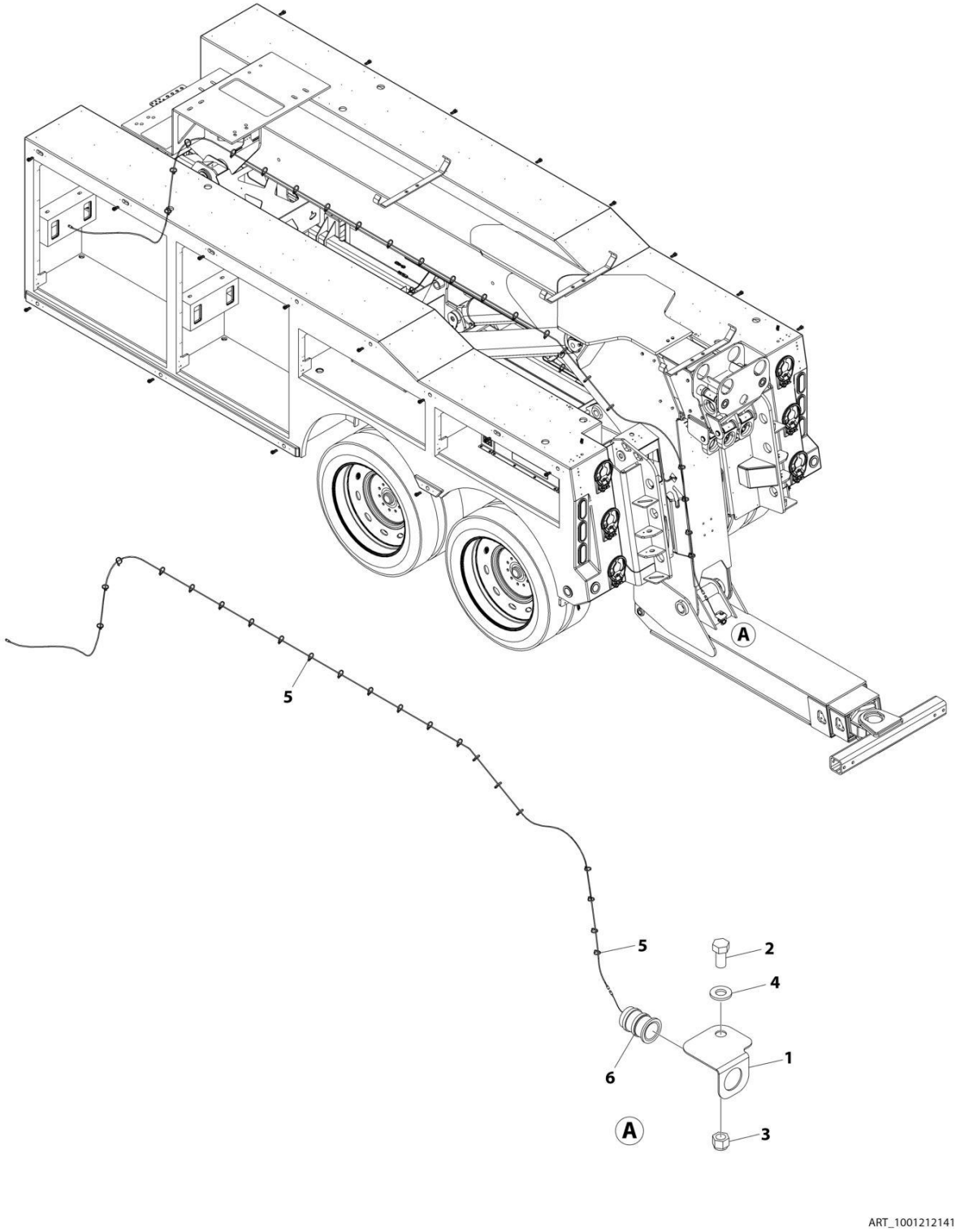


FIGURE 7-12. CAMERA INSTALLATION - UNDERLIFT MOUNTED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212141	Ref	Underlift Camera Installation	B
1	4178000889	1	Bracket **(SN 0230005220 through 0230009593)**	
1	1001164102	1	Bracket **(SN 0230009594 to Present)**	
2	7115180850	1	Capscrew 1/2 x 1	
3	7660182601	1	Nut 1/2	
4	7950100143	1	Washer 3/16	
5	5526000553	21	Tie Strap	
6	7002000555	1	Kit, Camera (Back-up) **(SN 0230005220 through 0230009593)**	
6	1001273598	1	Kit, Camera (Back-up) **(SN 0230009594 to Present)**	

FIGURE 7-13. CAMERA INSTALLATION - UNDERLIFT MOUNTED (PACCAR)

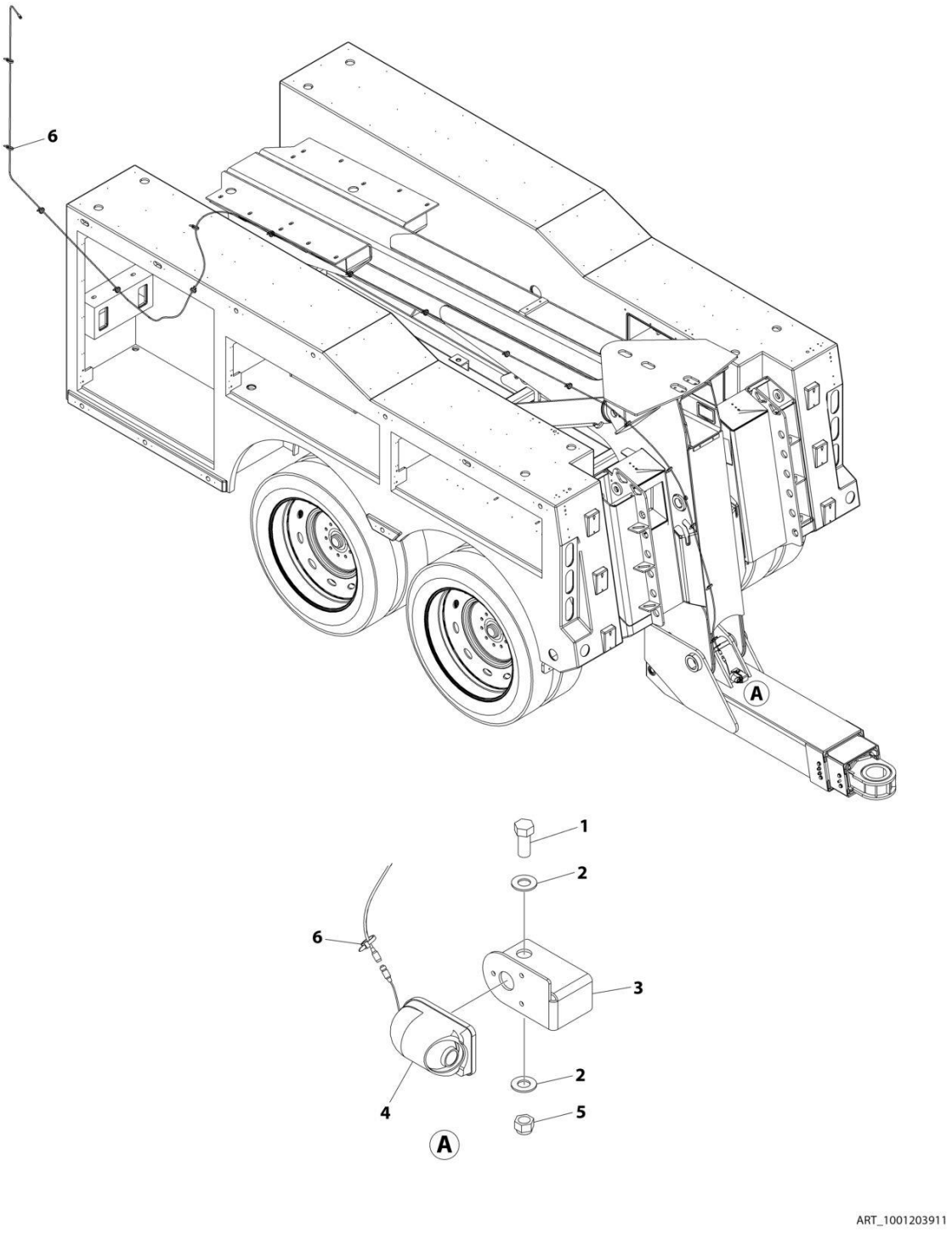


FIGURE 7-13. CAMERA INSTALLATION - UNDERLIFT MOUNTED (PACCAR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203911	Ref	Underlift Camera Paccar Installation	A
1	0641708	1	Capscrew 7/16 x 1	
2	4711700	2	Washer 7/16	
3	1001164102	1	Bracket	
4	1001204595	1	Kit, Camera (Underlift) (Paccar)	
5	7660172601	1	Nut 7/16	
6	7854000004	30	Tie Strap	

FIGURE 7-14. CAMERA INSTALLATION - UNDERLIFT MOUNTED ONLY

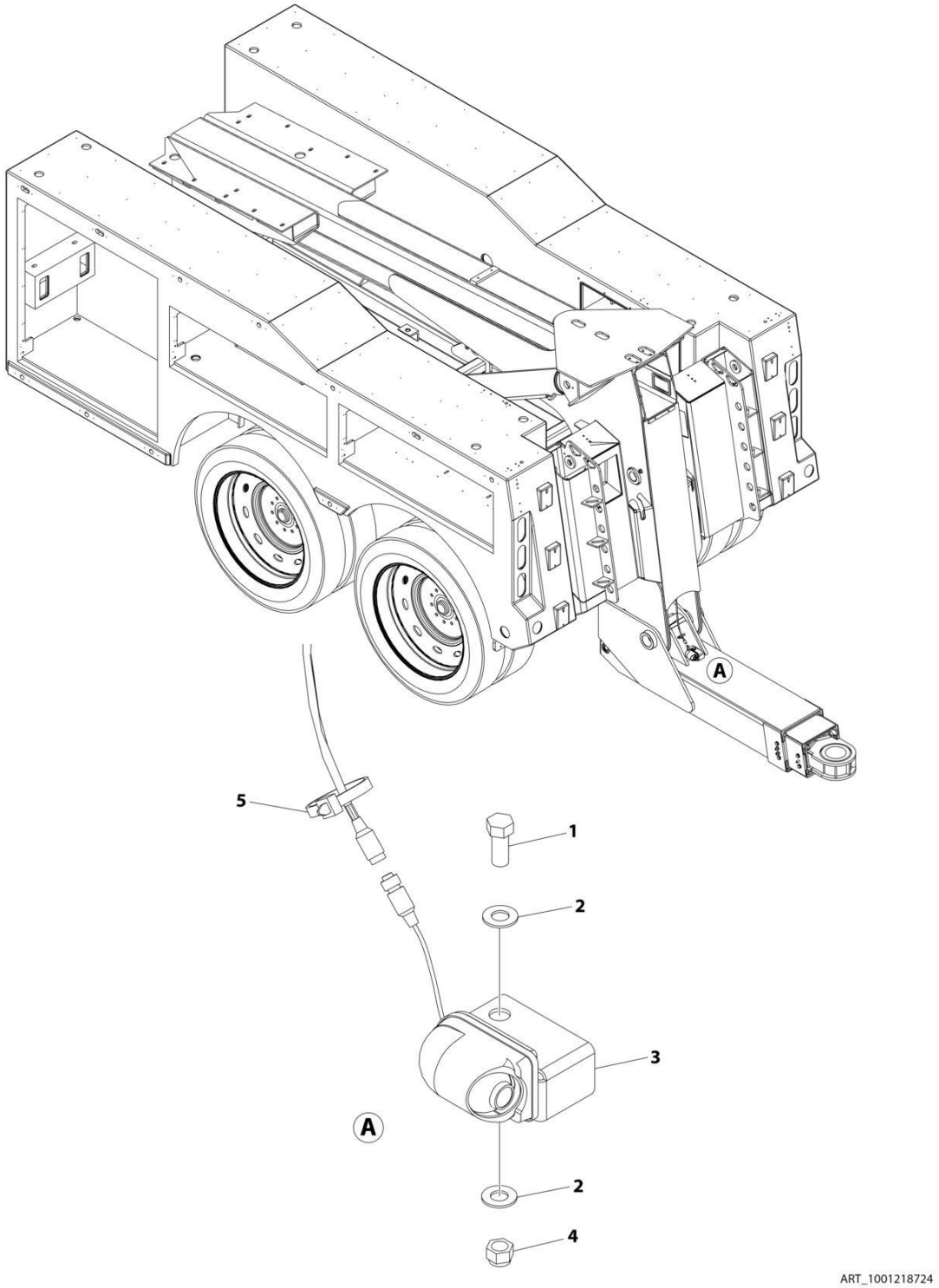


FIGURE 7-14. CAMERA INSTALLATION - UNDERLIFT MOUNTED ONLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001218724	Ref	Underlift Camera Installation - Brackets	A
1	0641708	1	Capscrew 7/16 x 1	
2	4711700	2	Washer 7/16	
3	1001164102	1	Bracket, Underlift Camera Mount	
4	7660172601	1	Nut 7/16	
5	5526000553	40	Tie Strap	

FIGURE 7-15. CENTER HARNESS INSTALLATION

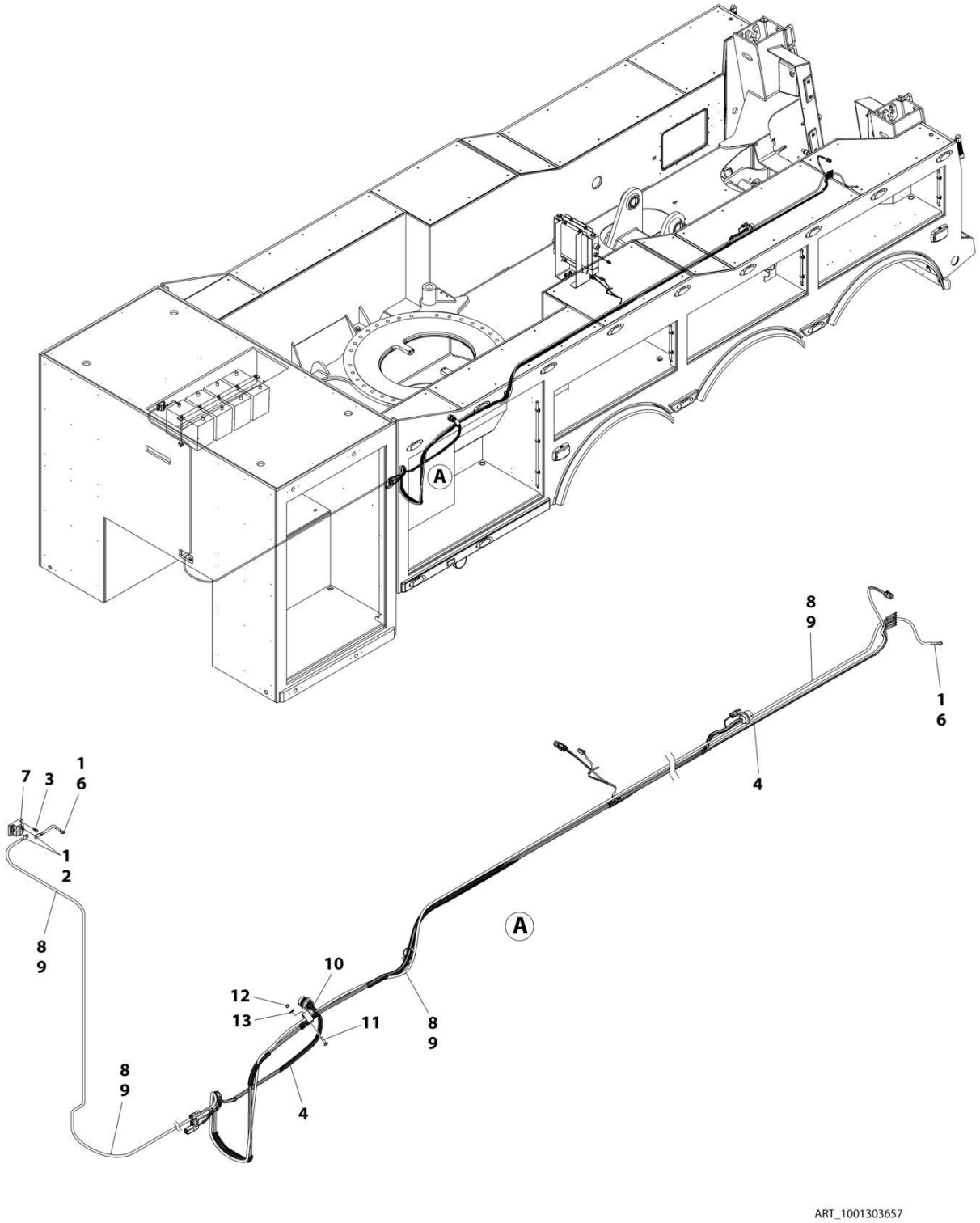


FIGURE 7-15. CENTER HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303657	Ref	CENTER HARNESS INSTALLATION	B
1	7346000045	AR	Tubing	
2	1001125479	2	Terminal, Ring	
3	1001194676	2	Screw 1/4 x 3/4	
4	1001302033	1	Center Harness (See Separate Breakdown in this Section)	
5	5526000553	AR	Tie-Strap (Not Shown)	
6	7345242202	2	Terminal	
7	7870000043	1	Switch Breaker	
8	7978000011	40 ft	Cable	
9	8597650001	40 ft	Loom	
10	1001137048	2	Clamp	
11	7115151064	2	Bolt 5/16 x 1-1/4	
12	7660152601	2	Nut 5/16	
13	7950150143	2	Washer 5/16	

FIGURE 7-16. CENTER HARNESS

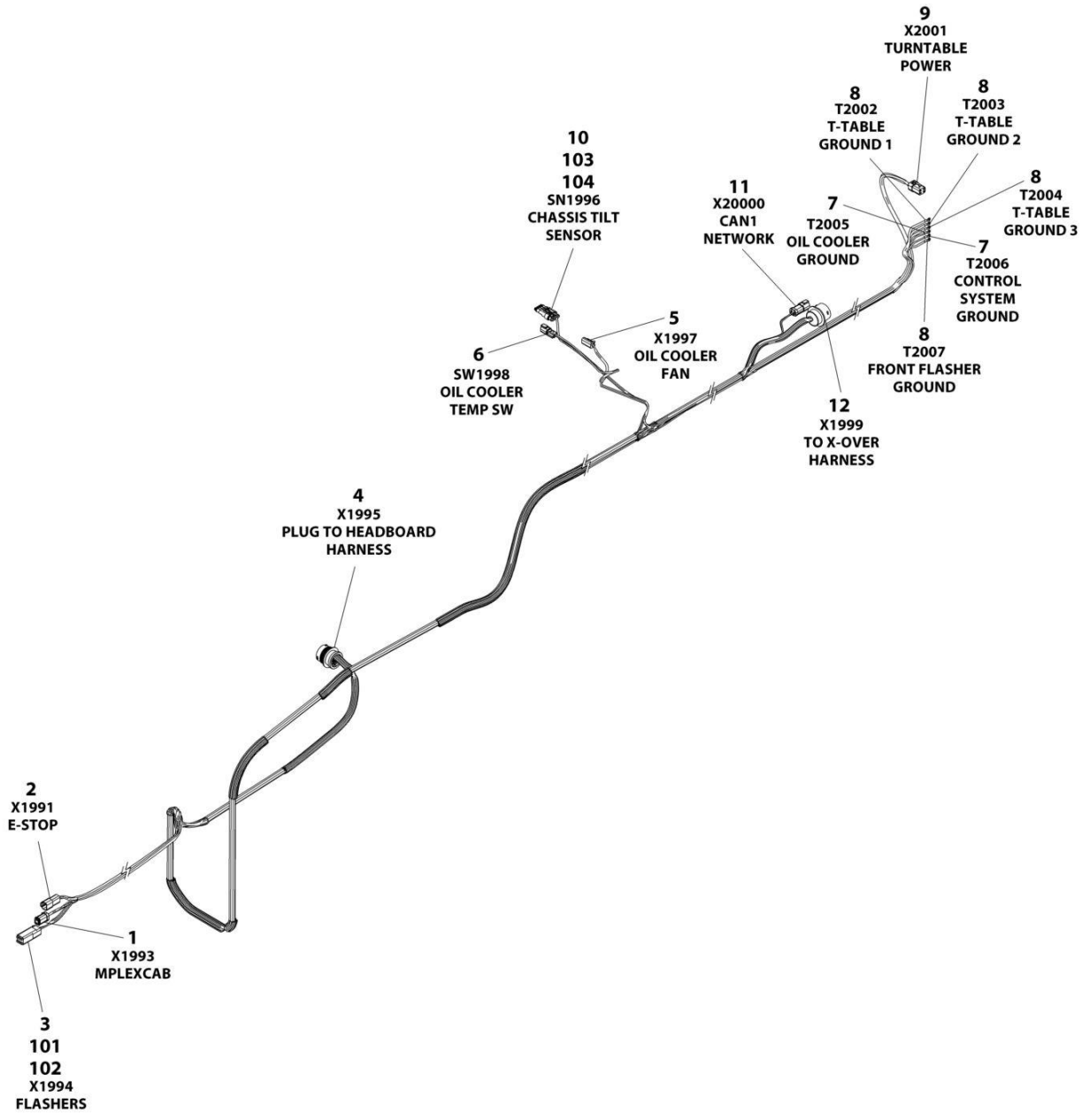


FIGURE 7-16. CENTER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302033	Ref	CENTER HARNESS	B
1	1001167677	1	Connector 4 Position	
1	4460465	4	Terminal	
2	4460932	1	Connector 4 Position	
2	4490941	2	Terminal	
2	4460464	2	Terminal	
3	4460894	1	Connector 6 Position	
3	4490942	6	Terminal	
4	1001188293	1	Connector 19 Position	
4	1001150610	6	Terminal	
4	4460508	5	Terminal	
4	4460464	5	Terminal	
4	4460466	3	Plug, Terminal	
5	4460891	1	Connector 2 Position	
5	4490942	2	Terminal	
6	4460897	1	Connector 2 Position	
6	4490941	2	Terminal	
7	1001263545	2	Terminal, Ring	
8	1001263726	4	Terminal, Ring	
9	1001116810	1	Connector 4 Position	
9	1001150611	3	Terminal	
9	4460466	1	Plug, Terminal	
10	1001103012	1	Connector 4 Position	
10	1001107854	4	Terminal	
11	1001205822	1	Connector 4 Position	
11	4460464	2	Terminal	
11	4460466	2	Terminal	
12	1001272557	1	Connector 18 Position	
12	4460508	13	Terminal	
12	4460464	3	Terminal	
12	4460466	2	Plug, Terminal	
101	4460466	6	Plug, Terminal	
102	4460899	1	Terminal	
103	1001103013	1	Connector	
104	1001116698	4	Plug, Terminal	

FIGURE 7-17. DRAG WINCH ELECTICAL 2 SPEED HARNESS

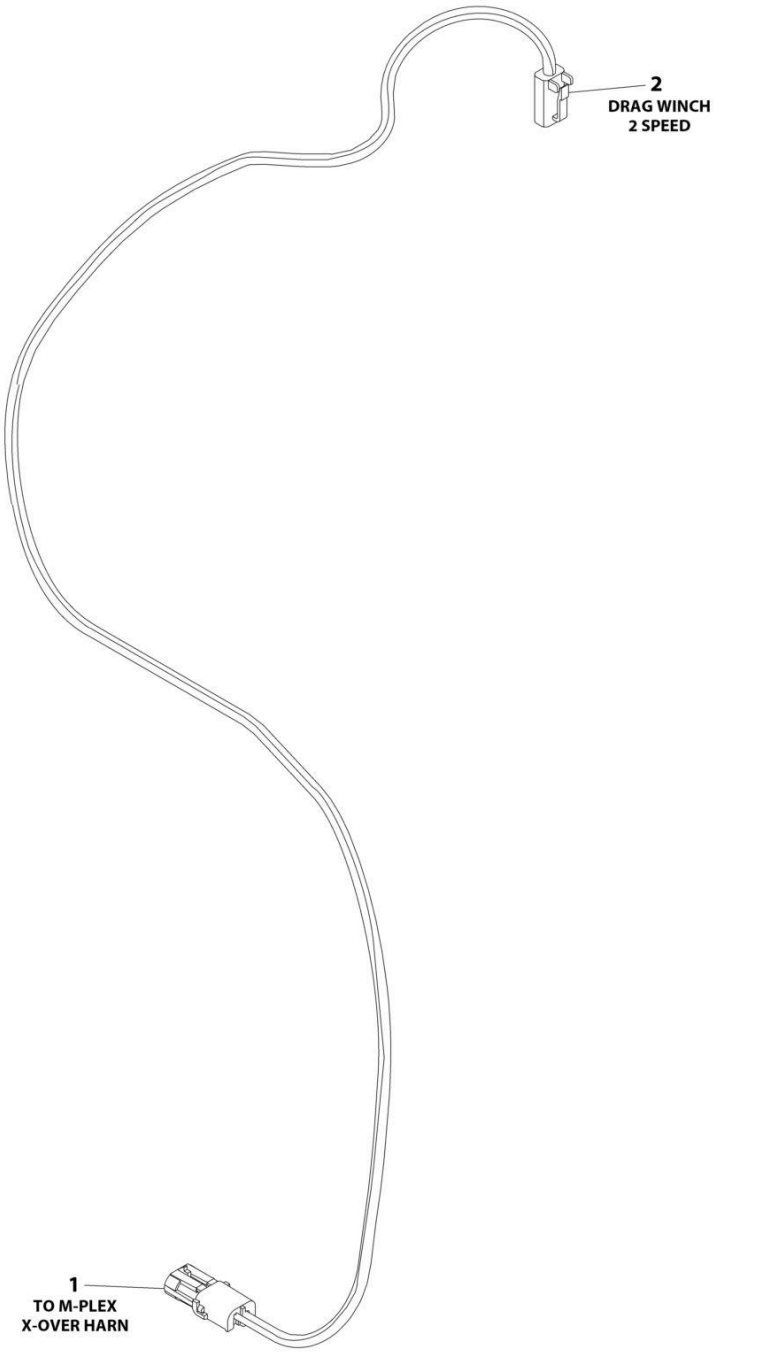


FIGURE 7-17. DRAG WINCH ELECTICAL 2 SPEED HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209035	Ref	DRAG WINCH ELECTICAL 2 SPEED HARNESS	B
1	4461157	1	Connector	
1	4460475	2	Pin	
1	4460458	2	Seal	
2	4460891	1	Connector	
2	4460465	2	Socket	

FIGURE 7-18. EMERGENCY STOP INSTALLATION

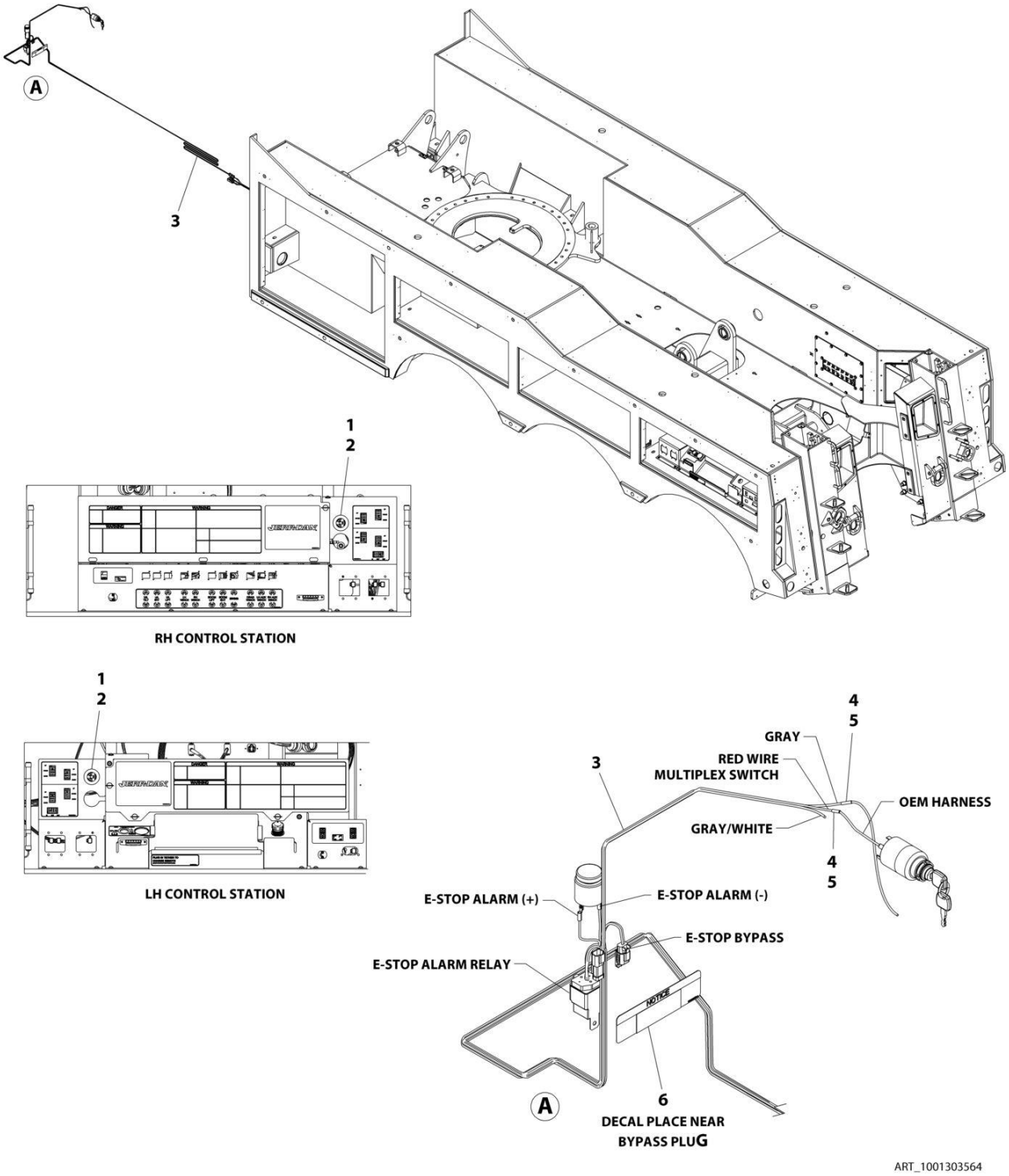


FIGURE 7-18. EMERGENCY STOP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303564	Ref	EMERGENCY STOP INSTALLATION	B
1	1704260	2	Decal, EMS	
2	1001233500	2	Switch, Push Button	
3	1001302035	1	Emergency Stop Harness (See Separate Breakdown in this Section)	
4	7345001714	2	Terminal	
5	7346000039	AR	Tubing	
6	1001321572	1	Decal, E-Stop Override	

FIGURE 7-19. EMERGENCY STOP HARNESS

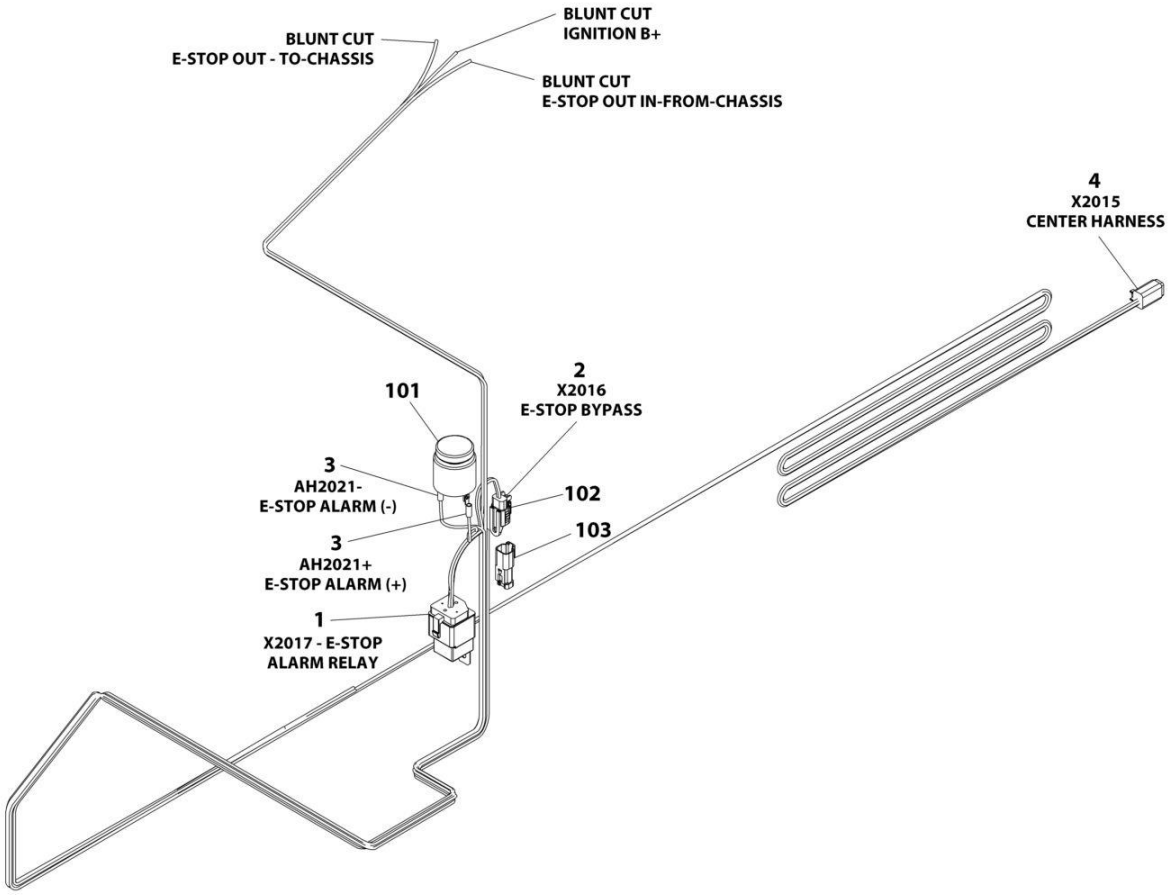


FIGURE 7-19. EMERGENCY STOP HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302035	Ref	EMERGENCY STOP HARNESS	B
1	1001118282	1	Connector 5 Position	
1	1001116733	4	Terminal	
1	1001128128	1	Plug, Terminal	
2	4460891	1	Connector 2 Position	
2	4460465	2	Terminal	
3	8220035	2	Terminal, Ring	
4	4460884	1	Connector 4 Position	
4	4490942	2	Terminal	
4	4460465	2	Terminal	
101	0140011	1	Audible, Signal Device	
102	1001144295	1	Cap	
103	1001302625	1	Connector 2 Position	

FIGURE 7-20. HARNESS INSTALLATION - TUNNEL (TALL)

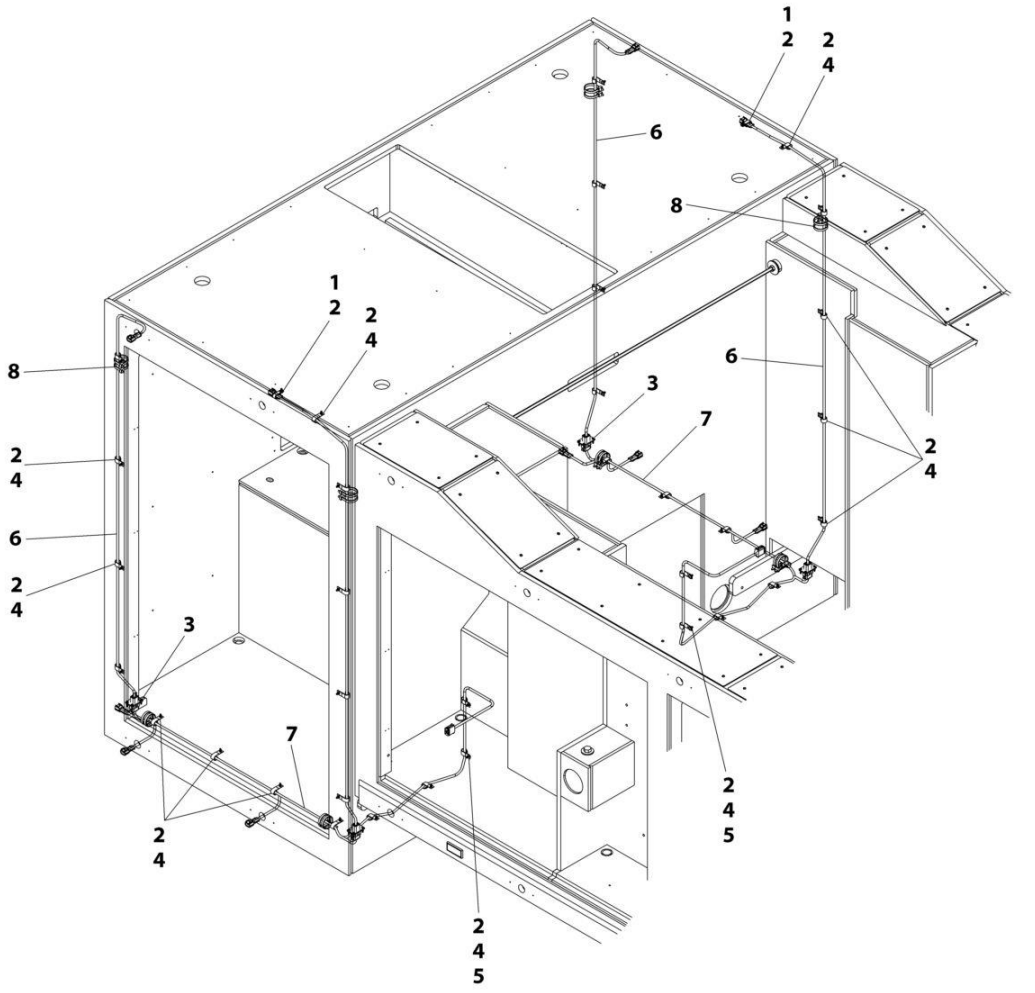


FIGURE 7-20. HARNESS INSTALLATION - TUNNEL (TALL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306277	Ref	HARNESS INSTALLATION - TUNNEL	B
1	1321385	2	Clamp	
2	1001195257	36	Screw 1/4 x 1/2	
3	1001196552	16	Screw #8 x 3/4	
4	7280000006	34	Clip	
5	7950140141	4	Washer 1/4	
6	1001229447	4	Harness, Tunnel Rear (See Separate Breakdown in this Section)	
7	1001321162	2	Harness, Tunnel Main (See Separate Breakdown in this Section)	
8	5526000553	16	Tie-Strap	

FIGURE 7-21. HARNESS INSTALLATION - TUNNEL (SHORT)

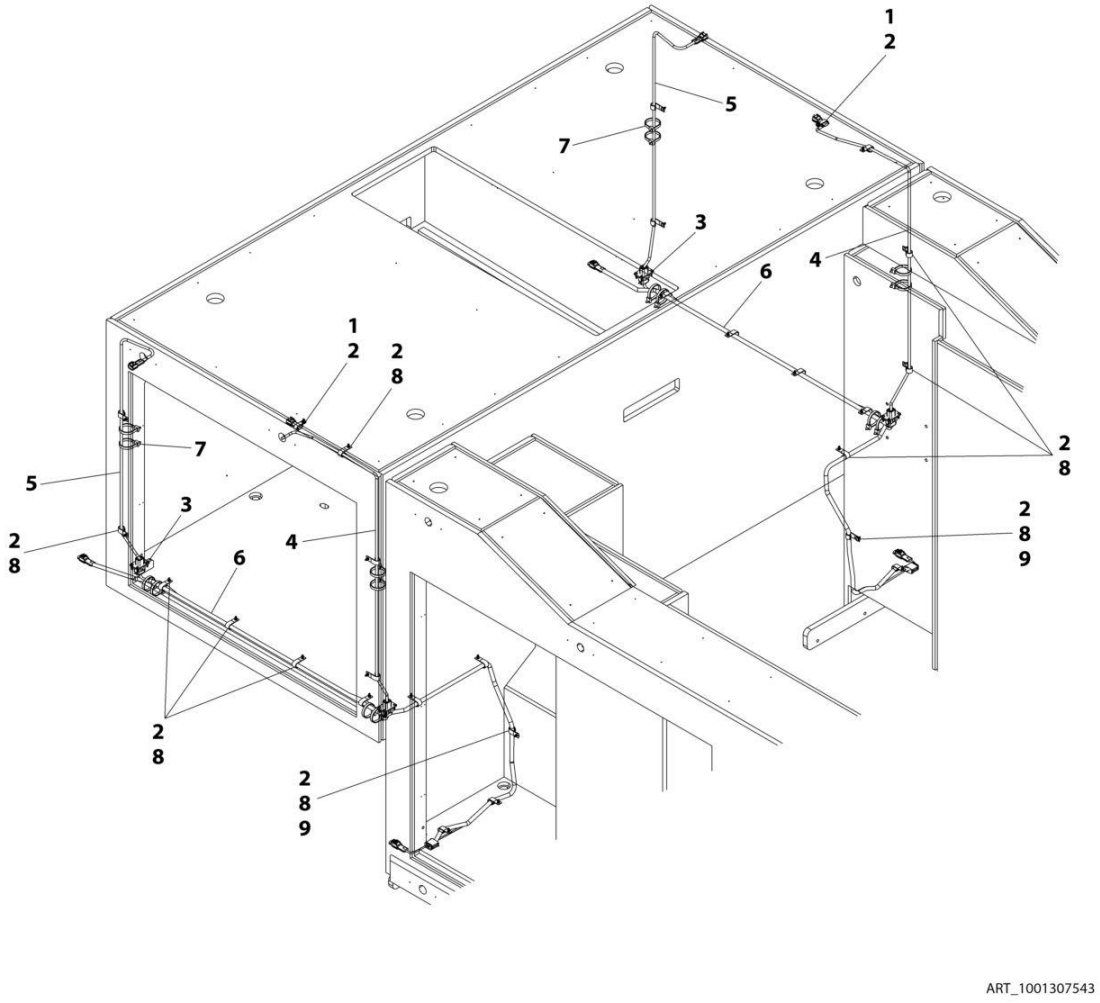


FIGURE 7-21. HARNESS INSTALLATION - TUNNEL (SHORT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307543	Ref	HARNESS INSTALLATION - TUNNEL	A
1	1321385	2	Clamp	
2	1001195257	28	Screw 1/4 x 1/2	
3	1001196552	16	Screw #8 x 3/4	
4	1001229477	2	Harness, Tunnel Rear (See Separate Breakdown in this Section)	
5	1001230142	2	Harness, Tunnel Front (See Separate Breakdown in this Section)	
6	1001294087	2	Harness, Tunnel Main (See Separate Breakdown in this Section)	
7	5526000553	16	Tie-Strap	
8	7280000006	26	Clip	
9	7950140141	2	Washer 1/4	

FIGURE 7-22. HARNESS INSTALLATION - TUNNEL 56IN

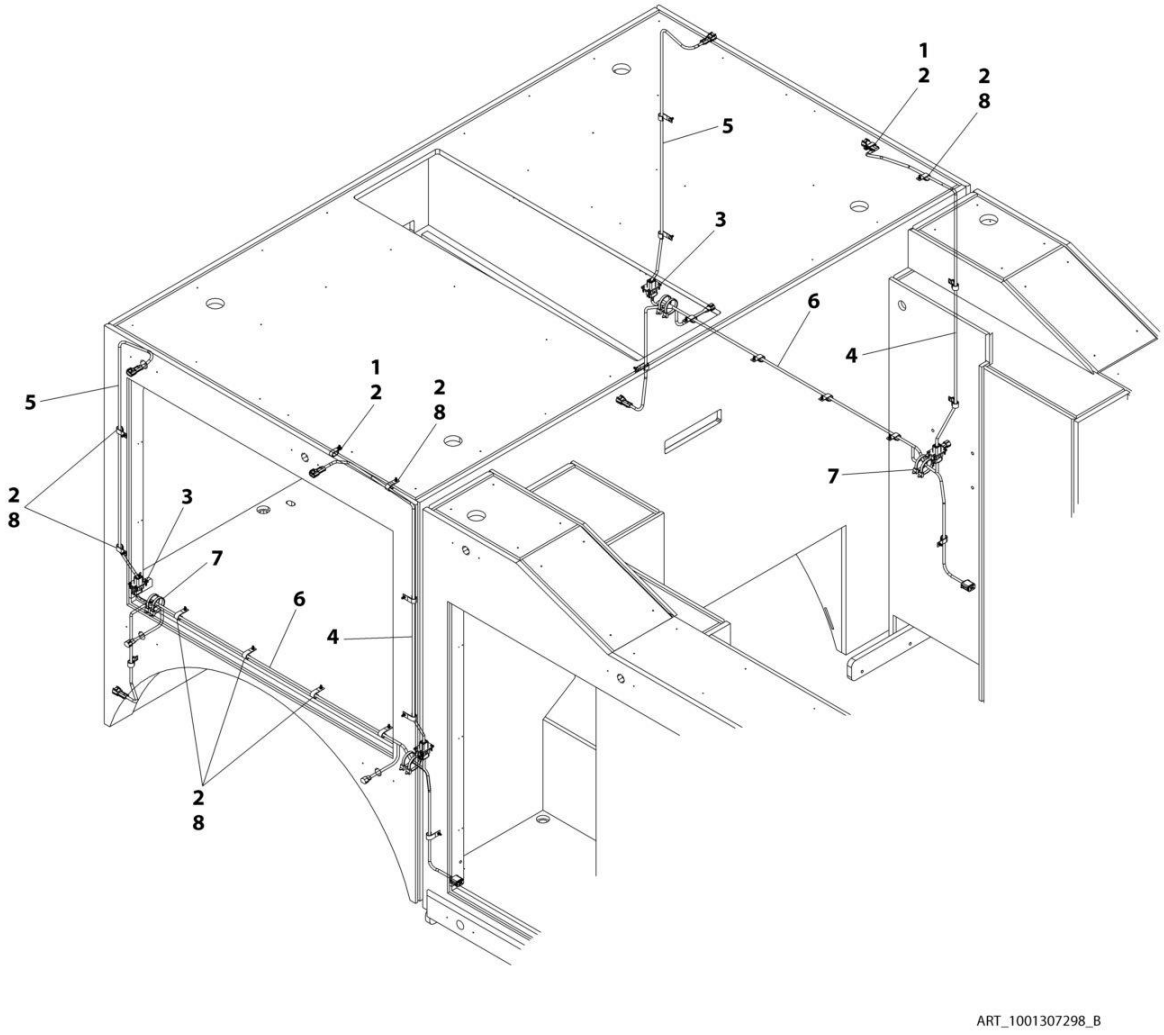


FIGURE 7-22. HARNESS INSTALLATION - TUNNEL 56IN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307298	Ref	HARNESS INSTALLATION - TUNNEL	B
1	1321385	2	Clamp	
2	1001195257	24	Screw 1/4 x 1/2	
3	1001196552	16	Screw #8 x 3/4	
4	1001229477	2	Harness, Tunnel Rear (See Separate Breakdown in this Section)	
5	1001230142	2	Harness, Tunnel Front (See Separate Breakdown in this Section)	
6	1001323020	2	Harness, Tunnel Main (See Separate Breakdown in this Section)	
7	5526000553	8	Tie-Strap	
8	7280000006	22	Clip	

FIGURE 7-23. HOUSE LOCK HARNESS

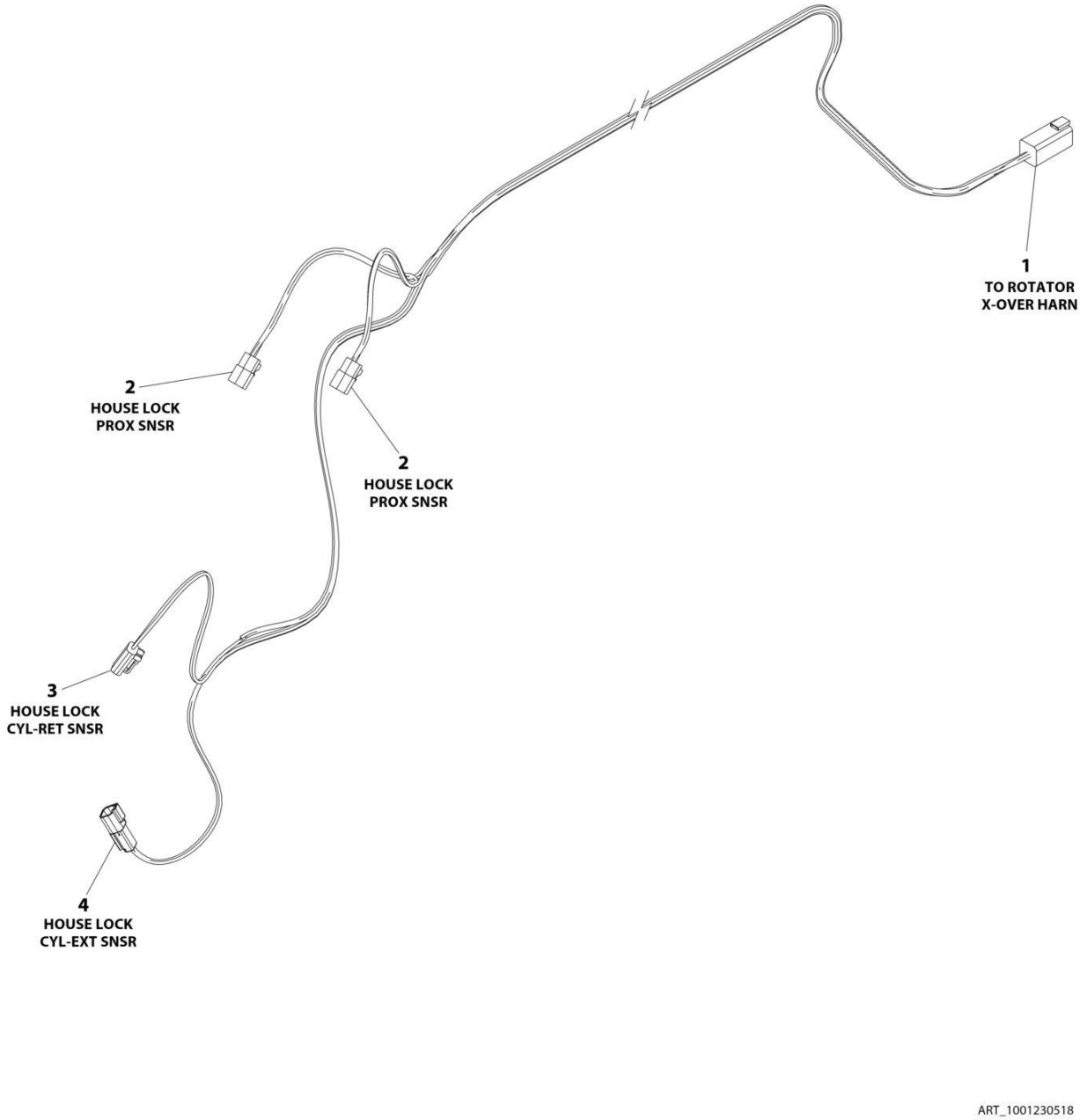


FIGURE 7-23. HOUSE LOCK HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230518	Ref	HOUSE LOCK HARNESS	C
1	4460899	1	Connector 6 Position	
1	4460464	5	Terminal	
1	4460466	1	Plug, Terminal	
2	4460539	2	Connector 3 Position	
2	4460465	6	Terminal	
3	4460891	1	Connector 2 Position	
3	4460465	2	Terminal	
4	4460897	1	Connector 2 Position	
4	4460464	2	Terminal	

FIGURE 7-24. HDR REMOTE CONTROL HARNESS

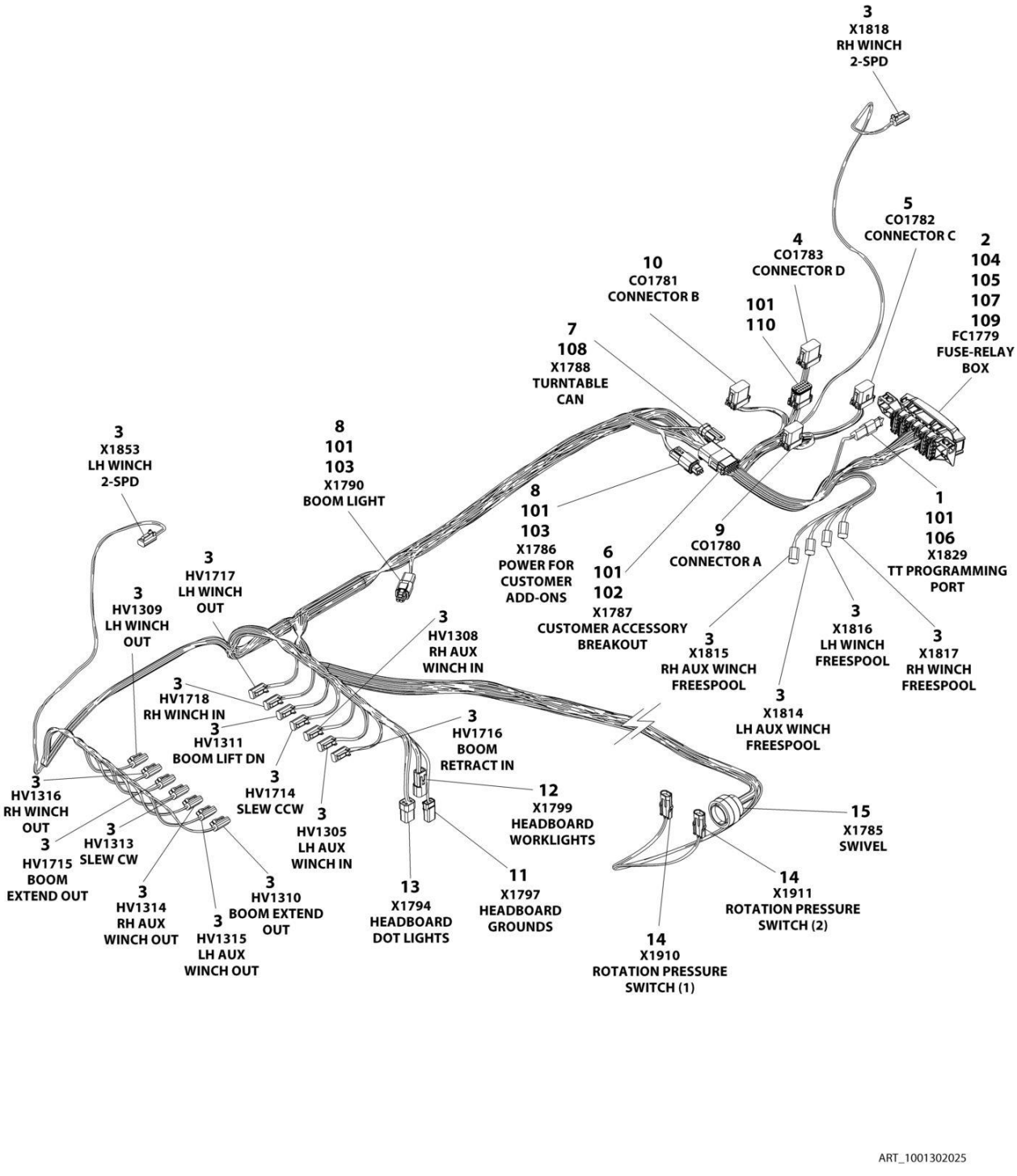


FIGURE 7-24. HDR REMOTE CONTROL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302025	Ref	REMOTE CONTROL HARNESS	D
1	1001144147	1	Connector 3 Position	
1	4460464	2	Terminal	
1	4460466	1	Plug, Terminal	
2	1001185964	1	Fuse Box Assembly	
2	1001116728	14	Terminal	
2	8220125	AR	Terminal	
2	1001116747	1	Terminal	
2	4460748	AR	Plug, Terminal	
2	4460458	14	Seal	
2	80963067	AR	Seal	
2	1001116816	1	Connector - 2 Position with Diode	
2	8229244	2	Fuse 15Amp	
2	8229242	4	Fuse 5Amp	
2	1001129285	4	Diode	
2	1001095704	1	Relay 35Amp	
3	4460891	20	Connector 2 Position	
3	4460465	40	Terminal	
4	1001262022	1	Connector 18 Position	
4	4490942	1	Terminal	
4	4460465	8	Terminal	
4	4460466	9	Plug, Terminal	
5	1001262021	1	Connector 18 Position	
5	4490942	1	Terminal	
5	4460465	7	Terminal	
5	4460466	10	Plug, Terminal	
6	1001152742	1	Connector 12 Position	
6	4490941	6	Terminal	
6	4460464	6	Terminal	
7	1001167677	1	Connector 4 Position	
7	4460465	4	Terminal	
8	4461017	2	Connector 2 Position	
8	4460508	4	Terminal	
9	1001176333	1	Connector 18 Position	
9	4490942	1	Terminal	
9	4460465	12	Terminal	
9	4460466	5	Plug, Terminal	
10	1001262020	1	Connector 18 Position	
10	4490942	1	Terminal	
10	4460465	11	Terminal	
10	4460466	6	Plug, Terminal	
11	4461018	1	Connector 2 Position	
11	1001150611	1	Terminal	
11	4460509	1	Terminal	
12	1001116811	1	Connector 4 Position	
12	4460508	4	Terminal	
13	1001116810	1	Connector 4 Position	
13	4460509	4	Terminal	
14	4461157	2	Connector 2 Position	
14	4460475	4	Terminal	

SECTION 7 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
15	1001269276	1	Connector 19 Position	
15	1001150611	5	Terminal	
15	4460509	1	Terminal	
15	4460465	9	Terminal	
15	4460466	4	Plug, Terminal	
101	4460466	37	Plug, Terminal	
102	4460934	1	Plug	
103	4461018	2	Terminal	
104	8229242	3	Fuse 5Amp	
105	8229244	2	Fuse 15Amp	
106	1001116812	1	Connector 3 Position	
107	1001170760	7	Fuse 10Amp	
108	1001192401	1	Cap, Dust	
109	1001242866	6	Relay	
110	1001262023	1	Connector 18 Position	

FIGURE 7-25. LIGHTS - COMPARTMENT LIGHTS INSTALLATION

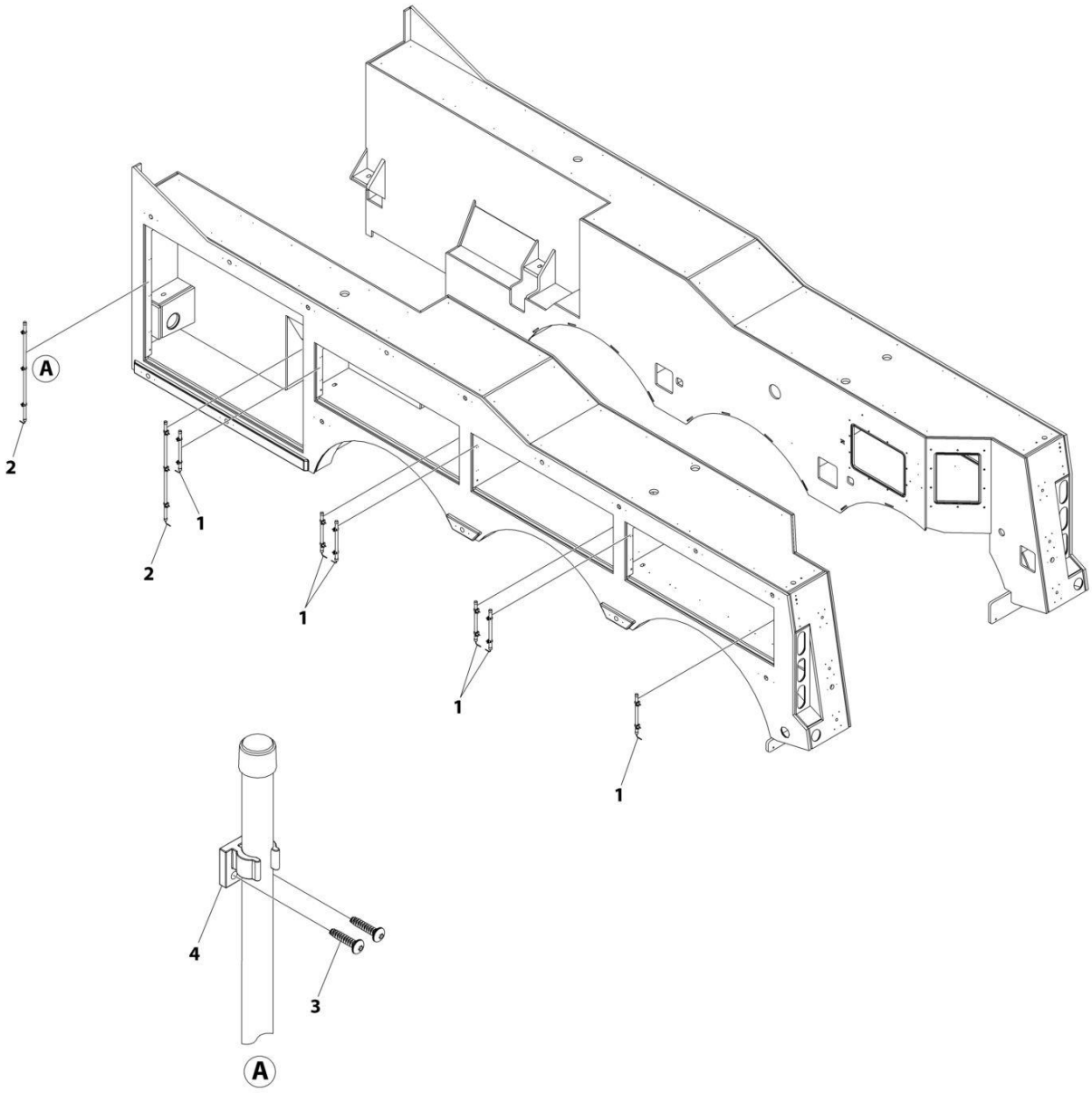


FIGURE 7-25. LIGHTS - COMPARTMENT LIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306628	Ref	COMPARTMENT LIGHTS INSTALLATION	A
1	1001166549	12	Light, LED White (12IN)	
2	1001182503	4	Light, LED White (30IN)	
3	1001196552	72	Screw #8 x 3/4	
4	1001199081	36	Mount	

FIGURE 7-26. LIGHTS - COMPARTMENT LIGHTS INSTALLATION (TALL TUNNEL)

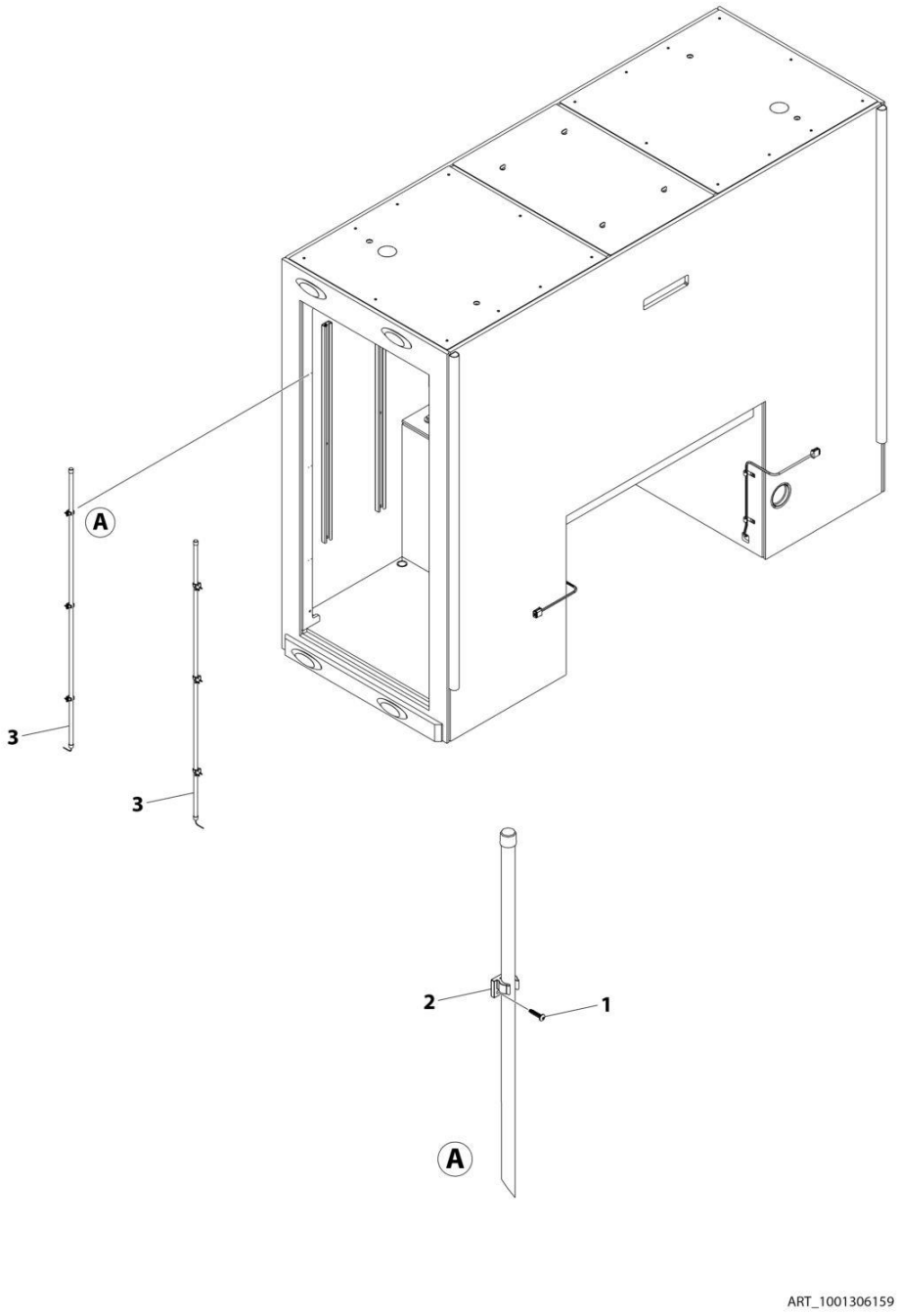


FIGURE 7-26. LIGHTS - COMPARTMENT LIGHTS INSTALLATION (TALL TUNNEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306159	Ref	LIGHTS INSTALLATION - COMPARTMENT	A
1	1001196552	24	Screw #8 x 3/4	
2	1001199081	12	Mount	
3	1001306160	4	Light, LED White	

FIGURE 7-27. LIGHTS - COMPARTMENT LIGHTS INSTALLATION (SHORT TUNNEL)

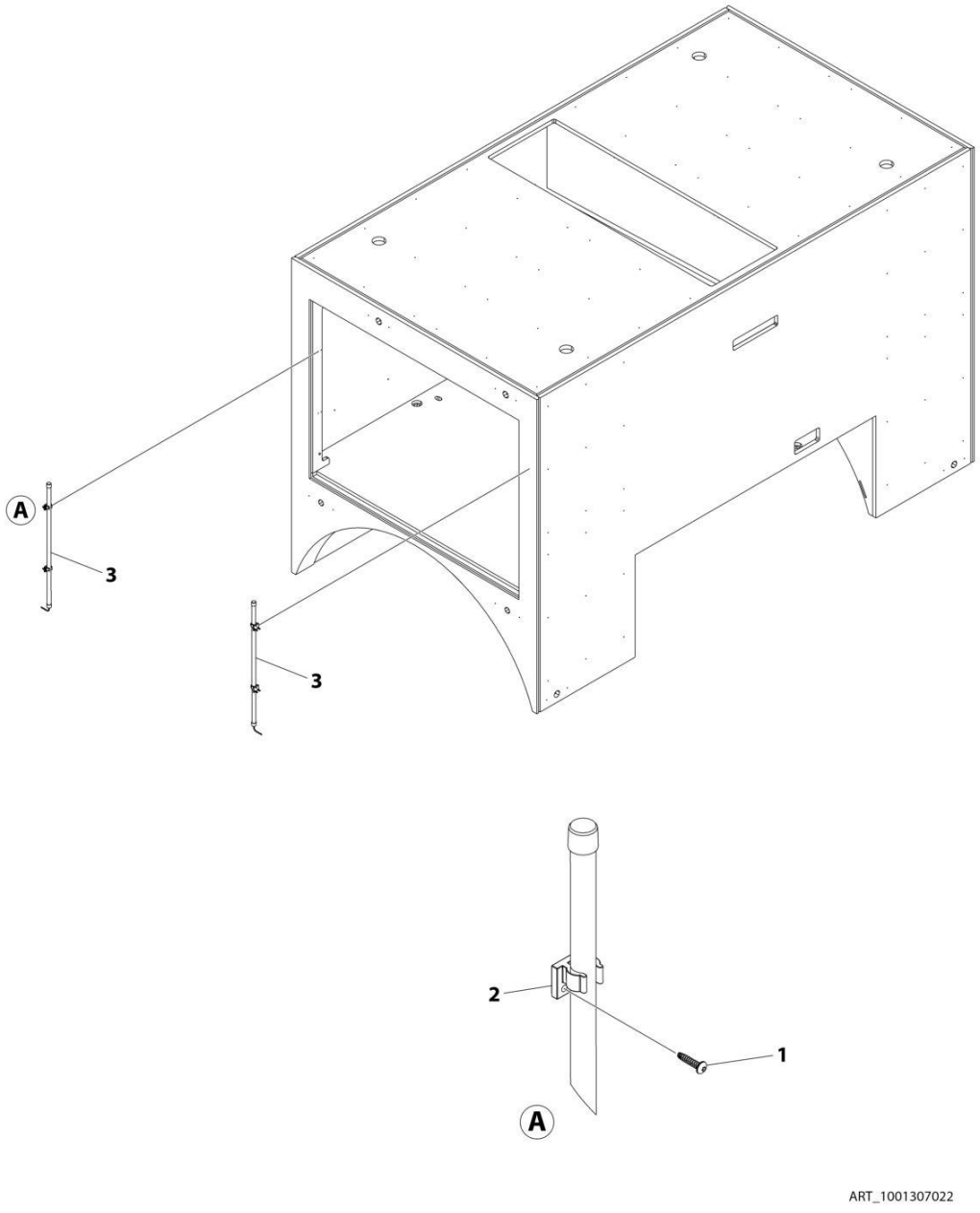
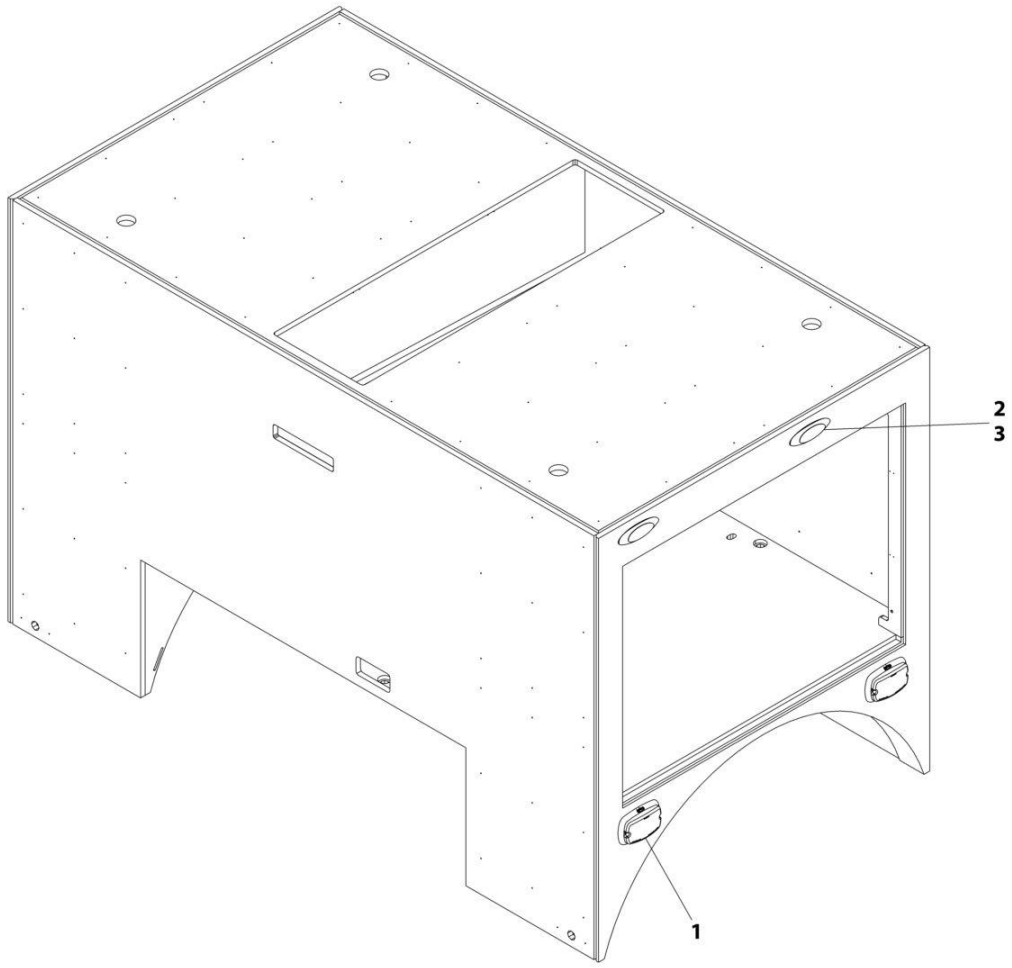


FIGURE 7-27. LIGHTS - COMPARTMENT LIGHTS INSTALLATION (SHORT TUNNEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307022	Ref	LIGHTS INSTALLATION - COMPARTMENT	A
1	1001196552	16	Screw #8 x 3/4	
2	1001199081	8	Mount	
3	1001307333	4	Light, LED White	

FIGURE 7-28. LIGHTS - MARKER LIGHTS INSTALLATION - TUNNEL 56IN



ART_1001307297

FIGURE 7-28. LIGHTS - MARKER LIGHTS INSTALLATION - TUNNEL 56IN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307297	Ref	LIGHTS INSTALLATION - MARKER LIGHTS	A
1	1001143284	4	Lamp	
2	1001192958	8	Screw #10 x 1/2	
3	7590000358	4	Light, Marker (Amber)	

FIGURE 7-29. LIGHTS - FLASHER LIGHTS INSTALLATION - TRI-AXLE

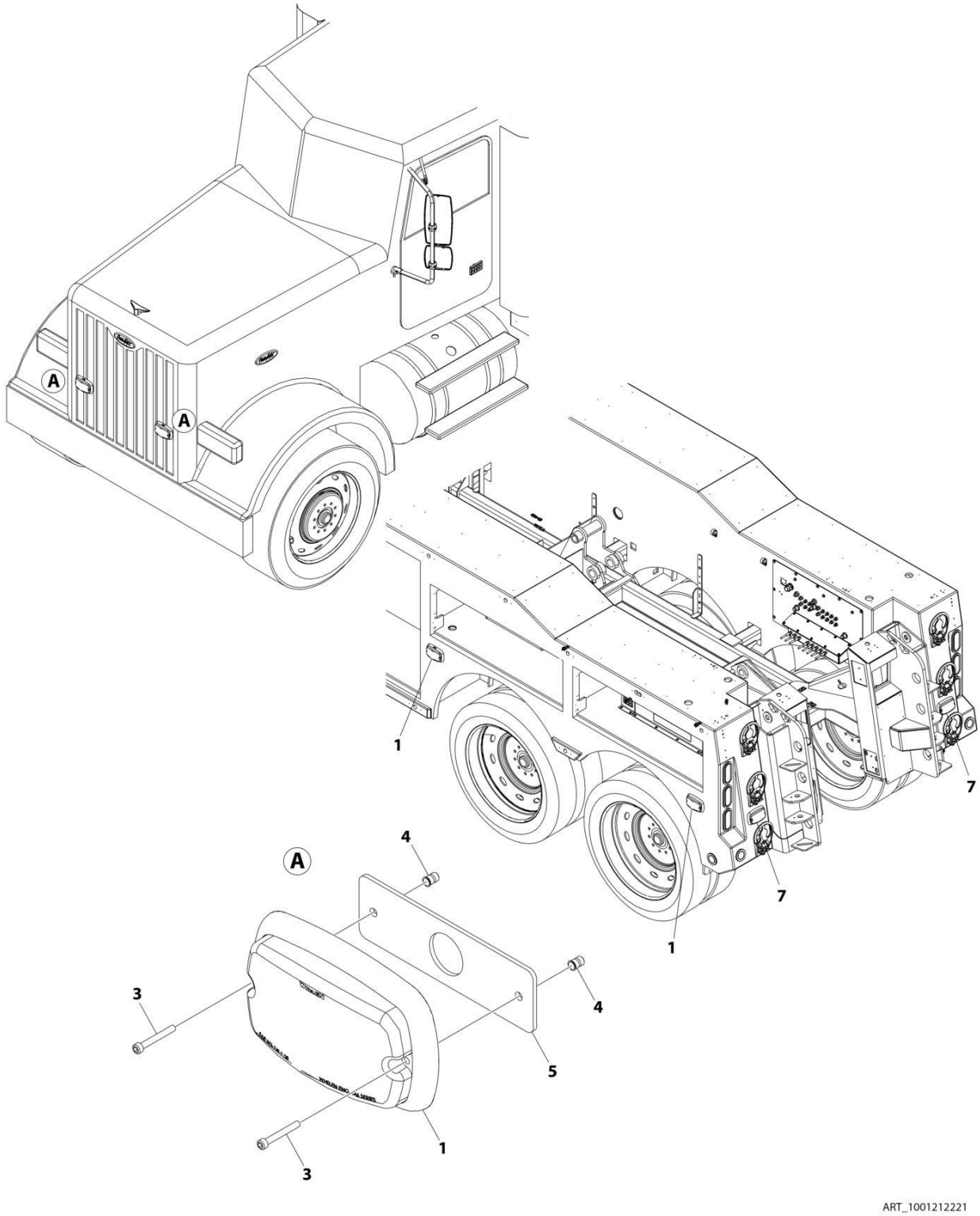


FIGURE 7-29. LIGHTS - FLASHER LIGHTS INSTALLATION - TRI-AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212221	Ref	LIGHTS - FLASHER LIGHTS INSTALLATION - TRI-AXLE	D
1	1001143284	6	Lamp	
2	1001215157	1	Harness (Not Shown)	
2	4460897	2	Receptacle, Female - 2 Position	
2	4460464	4	Pin, Male	
3	3930820	4	Capscrew #8 x 1-1/4	
4	1001151546	4	Nut #8	
5	1001216586	2	Bar, Grill Mounted	
6	7894000004	20	Tie Strap (Not Shown)	
7	1001307192	2	Lamp	

FIGURE 7-30. LIGHTS - GRILLE FLASHER LIGHTS INSTALLATION - FRONT

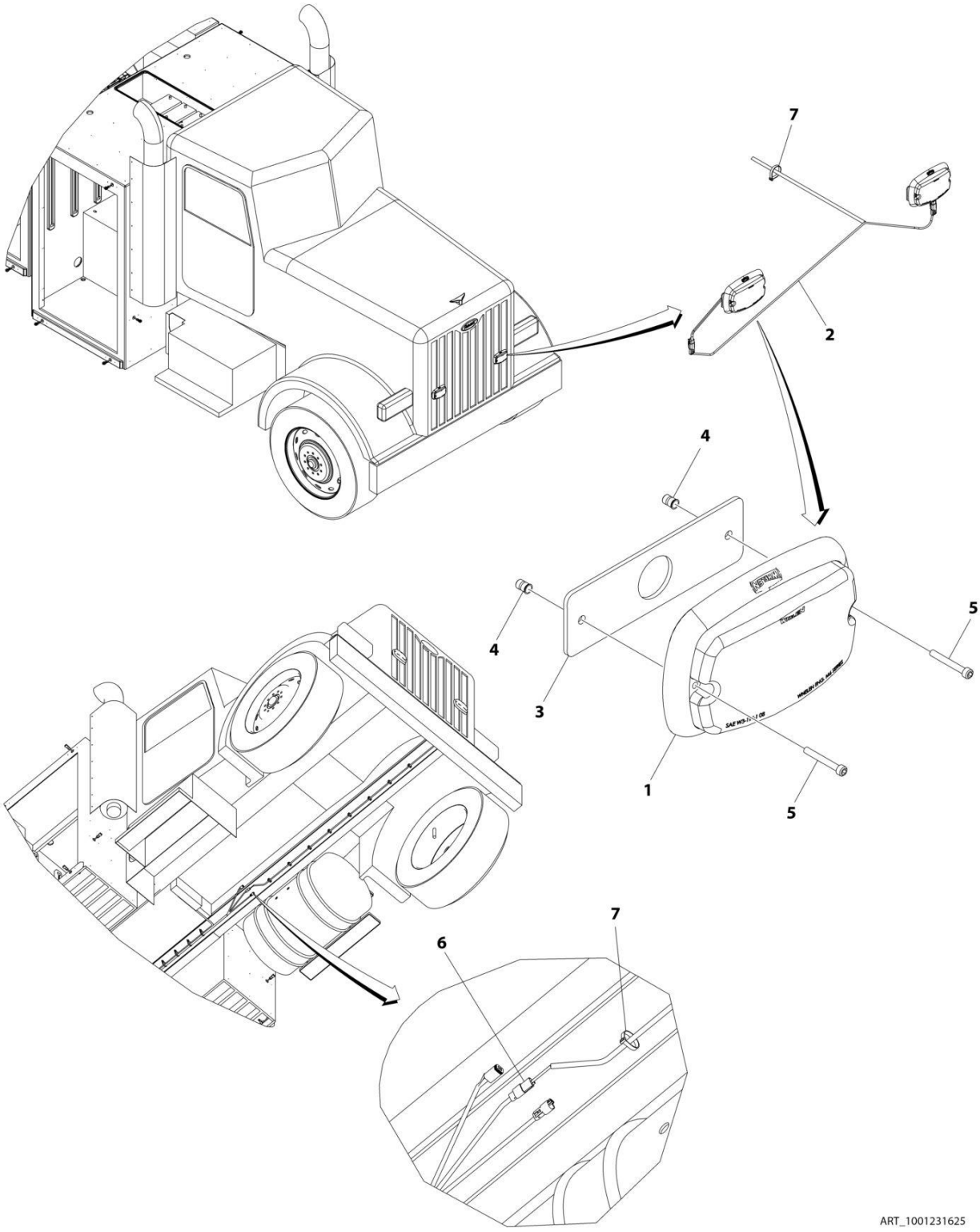


FIGURE 7-30. LIGHTS - GRILLE FLASHER LIGHTS INSTALLATION - FRONT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231625	Ref	Front Grille Flasher Light Installation	A
1	1001143284	1	Lamp	
2	1001115157	1	Harness	
3	1001116586	2	Bar	
4	1001151546	4	Nut #8	
5	3930820	4	Screw #8 x 1-1/4	
6	4460536	1	Terminal	
7	7894000004	8	Tie Strap	

FIGURE 7-31. LIGTHS - HOOD FLASHER LIGHTS INSTALLATION

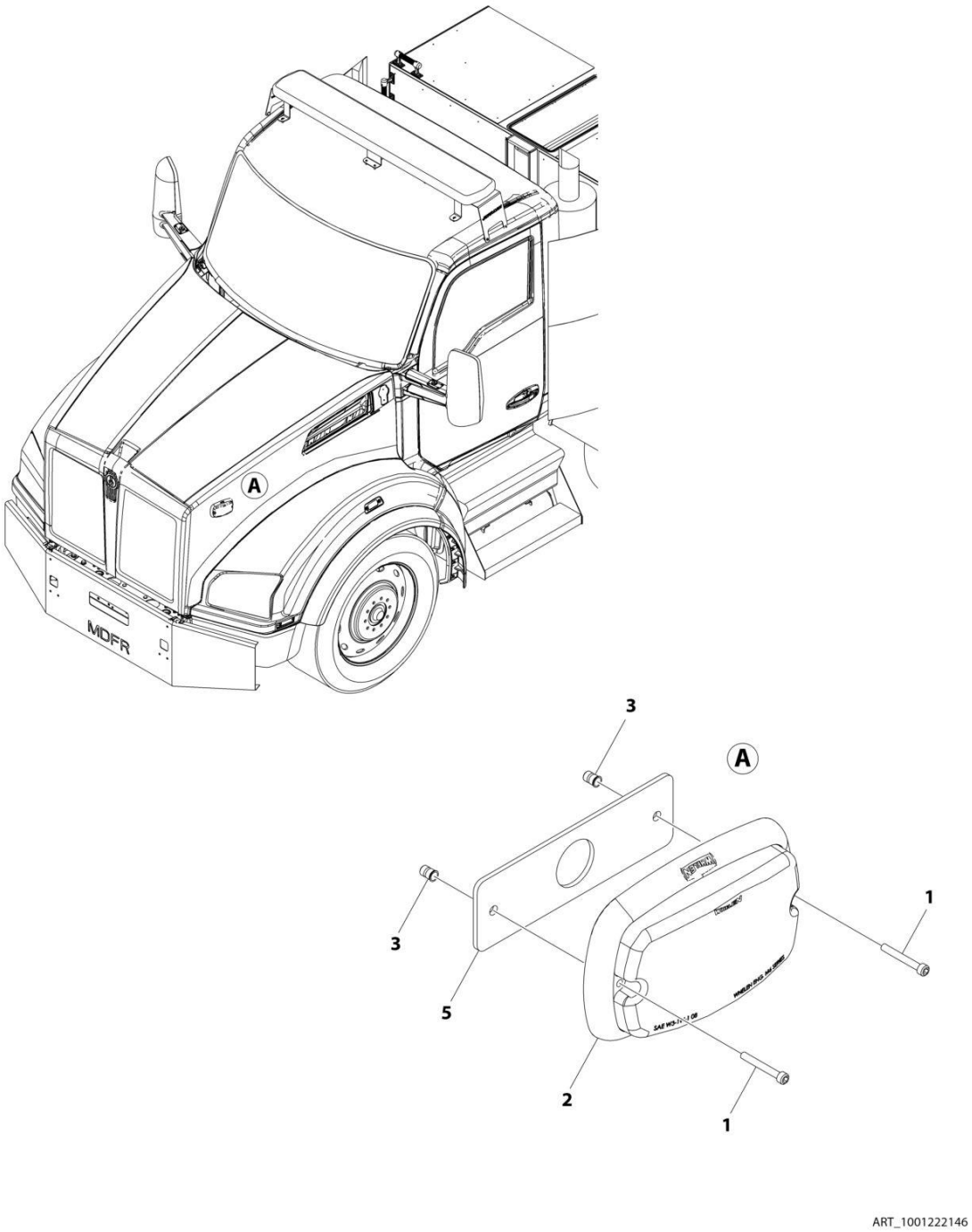


FIGURE 7-31. LIGTHS - HOOD FLASHER LIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222146	Ref	Hood Flasher Light Installation	A
1	3930820	4	Screw #8 x 1-1/4	
2	1001143284	2	Lamp	
3	1001151546	4	Nut #8	
4	1001215157	1	Harness (Not Shown)	
5	1001216586	2	Bar	
6	7894000004	20	Tie Strap (Not Shown)	

FIGURE 7-32. LIGHTS - HOOK UP LIGHTS INSTALLATION (LOWER)

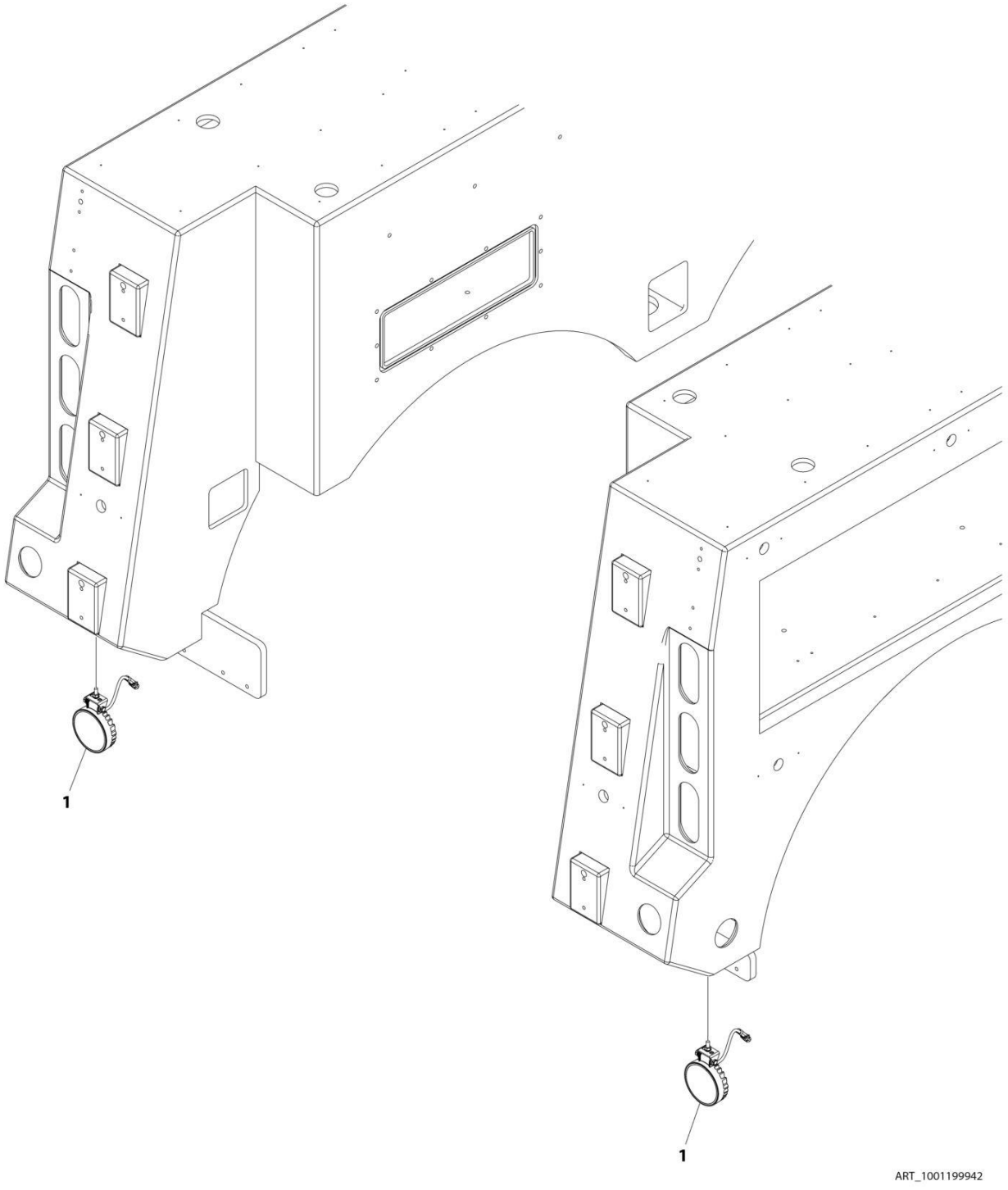


FIGURE 7-32. LIGHTS - HOOK UP LIGHTS INSTALLATION (LOWER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001199942	Ref	LOWER LIGHTS HOOK-UP INSTALLATION	C
1	1001273634	2	Lamp	

FIGURE 7-33. LIGHTS - HOOK UP LIGHTS INSTALLATION (UPPER)

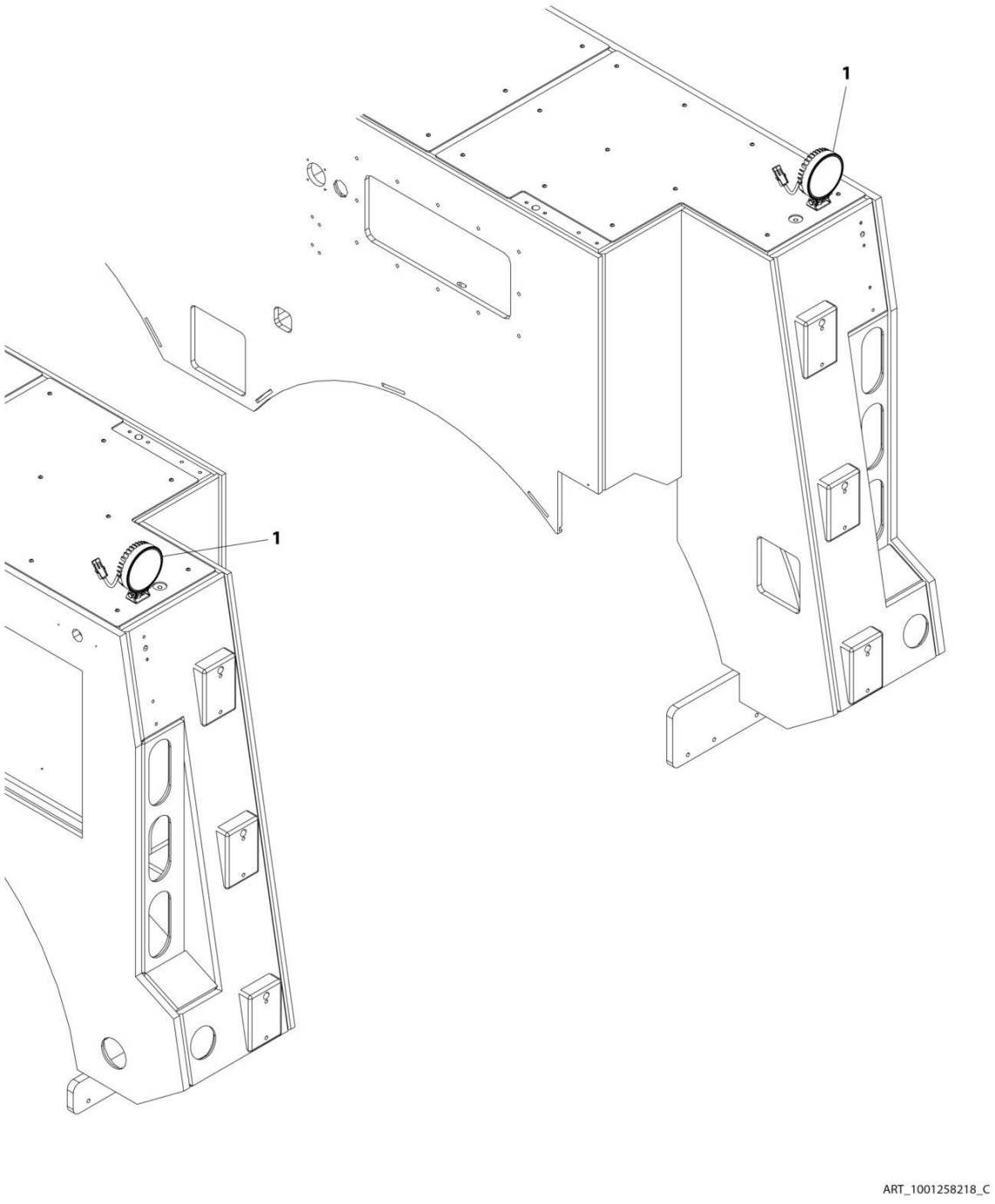


FIGURE 7-33. LIGHTS - HOOK UP LIGHTS INSTALLATION (UPPER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258218	Ref	UPPER HOOK-UP LIGHTS INSTALLATION	C
1	1001273634	2	Lamp	
2	8798820001	AR	Sealant (Not Shown)	

FIGURE 7-34. LIGHTS - LIGHTBAR 50T ROTATOR INSTALLATION

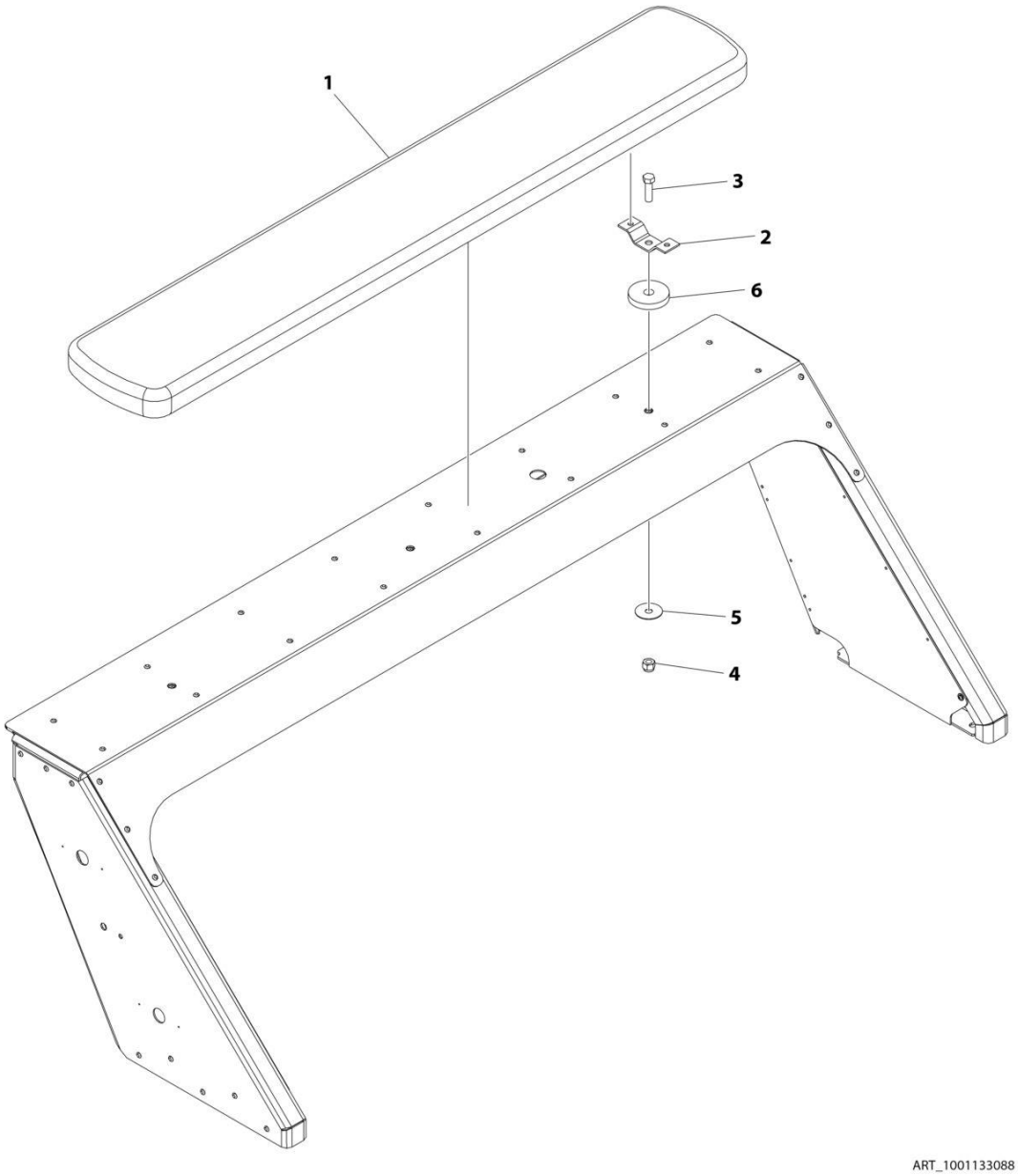


FIGURE 7-34. LIGHTS - LIGHTBAR 50T ROTATOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001133088	Ref	Lightbar 50T Rotator Installation	D
1	1001199477	1	Lightbar 72” LED - Whelen (See Separate Breakdown in this Section)	
2	4178000402	3	Bracket	
3	7115181450	3	Capscrew 1/2 - 13NC x 1-3/4	
4	7660182601	3	Nut 1/2	
5	7949000072	3	Washer 1/2	
6	4831000128	3	Spacer	

FIGURE 7-35. LIGHTS - LIGHTBAR ASSEMBLY - WHELEN (72IN)

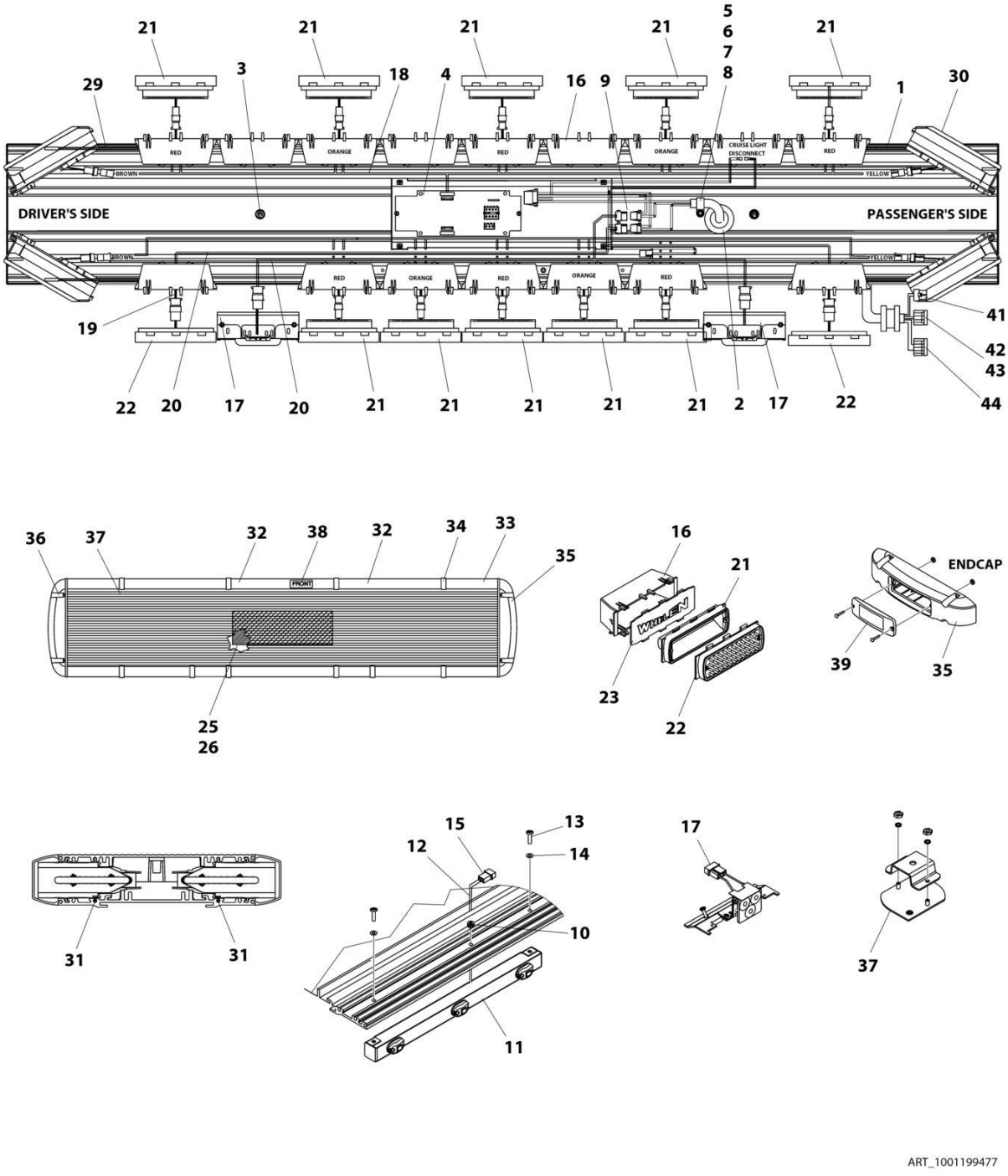


FIGURE 7-35. LIGHTS - LIGHTBAR ASSEMBLY - WHELEN (72IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001199477	Ref	Lightbar 72” LED - Whelen	B
1	70050392	1	Base	
2	70050169	1	Grommet	
3	70050170	2	Plug	
4	70050163	1	Assembly, HC I/O Liberty, Jerr-Dan	
5	70050171	1	Cable	
6	70050172	1	Screw #10 x 1	
7	70050393	1	Clamp	
8	70050174	1	Wiznut #10	
9	70050175	2	Housing	
10	70050176	1	Grommet	
11	70050177	1	Light Cluster	
12	70050178	1	Harness	
13	70050179	2	Screw #10 x 1/2	
14	70050180	2	Washer #10	
15	70050181	1	Housing	
16	70050182	16	Housing	
17	70050183	2	LR11 TD Single Full	
18	70050394	2	Harness	
19	70050185	1	Harness	
20	70050186	1	Harness	
21	70050187	10	Light Assembly, LED	
22	70050188	2	500 BTT Max	
23	70050189	4	Panel	
24	70050190	2	End Support Bracket (Not Shown)	
25	70050191	1	Insulator	
26	70050192	1	Decal	
27	70050395	1	Top Cover (Not Shown)	
28	70050194	4	Screw #10 x 3/8 (Not Shown)	
29	70050195	4	Spacer	
30	70050196	4	Corner LED Assembly	
31	70050197	4	Spacer	
32	70050199	6	Lens	
33	70050200	4	Lens	
34	70050201	8	Lens Divider	
35	70050202	2	End Cap	
36	70050203	8	Screw #10 x 1-1/4	
37	70050204	3	Rotational Mtg Adapter	
38	70050205	1	Label, “Front”	
39	70050206	1	Label, Jerr-Dan Logo	
40	70050207	1	Label, Model and Serial Number (Not Shown)	
41	70050208	1	Connector	
42	70050209	1	Connector	
43	70050210	1	Connector	
44	70050211	1	Connector	

FIGURE 7-36. LIGHTS - MARKER LIGHTS INSTALLATION - TRI AXLE

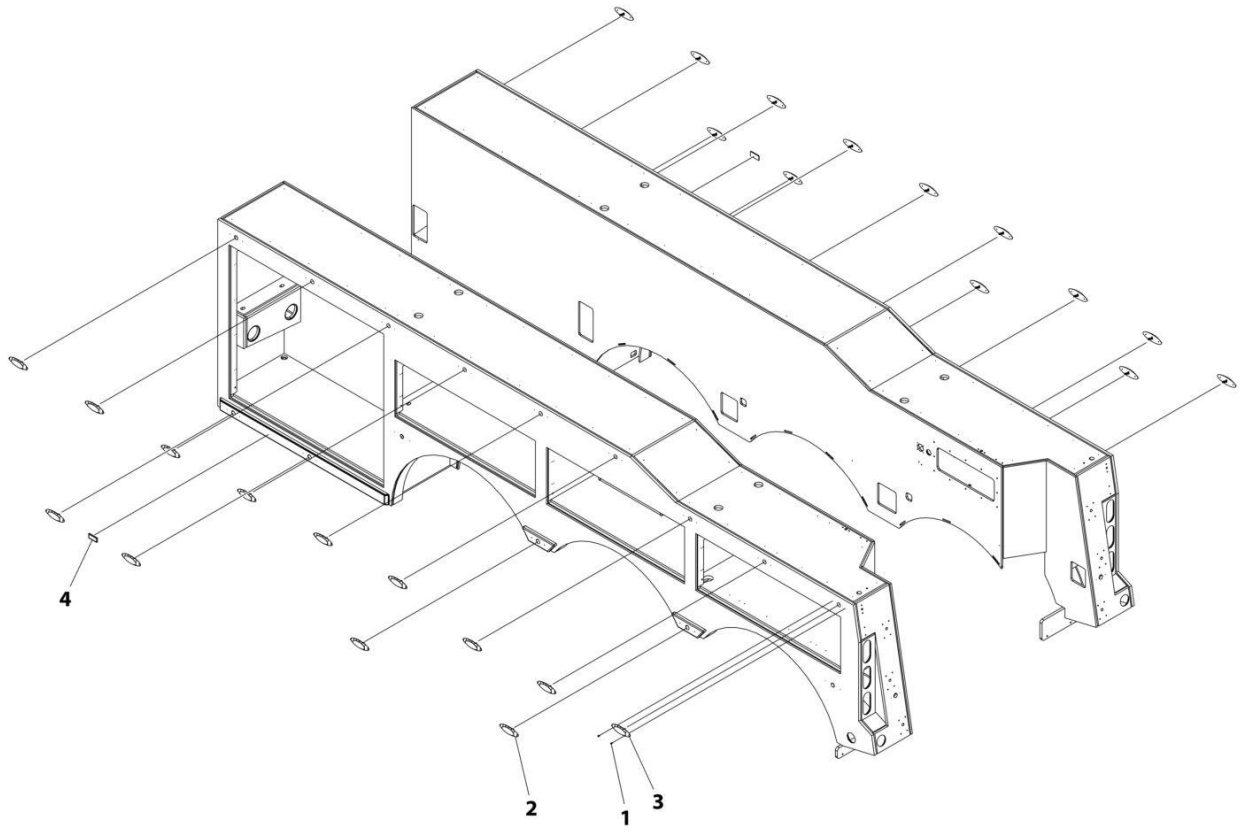


FIGURE 7-36. LIGHTS - MARKER LIGHTS INSTALLATION - TRI AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001292582	Ref	MARKER LIGHTS INSTALLATION - TRI-AXLE	A
1	1001192958	52	Screw #10 x 1/2	
2	7590000358	24	Light	
3	7590000359	2	Light	
4	7736000001	2	Reflector	

FIGURE 7-37. LIGHTS - MARKER LIGHTS INSTALLATION (TALL TUNNEL)

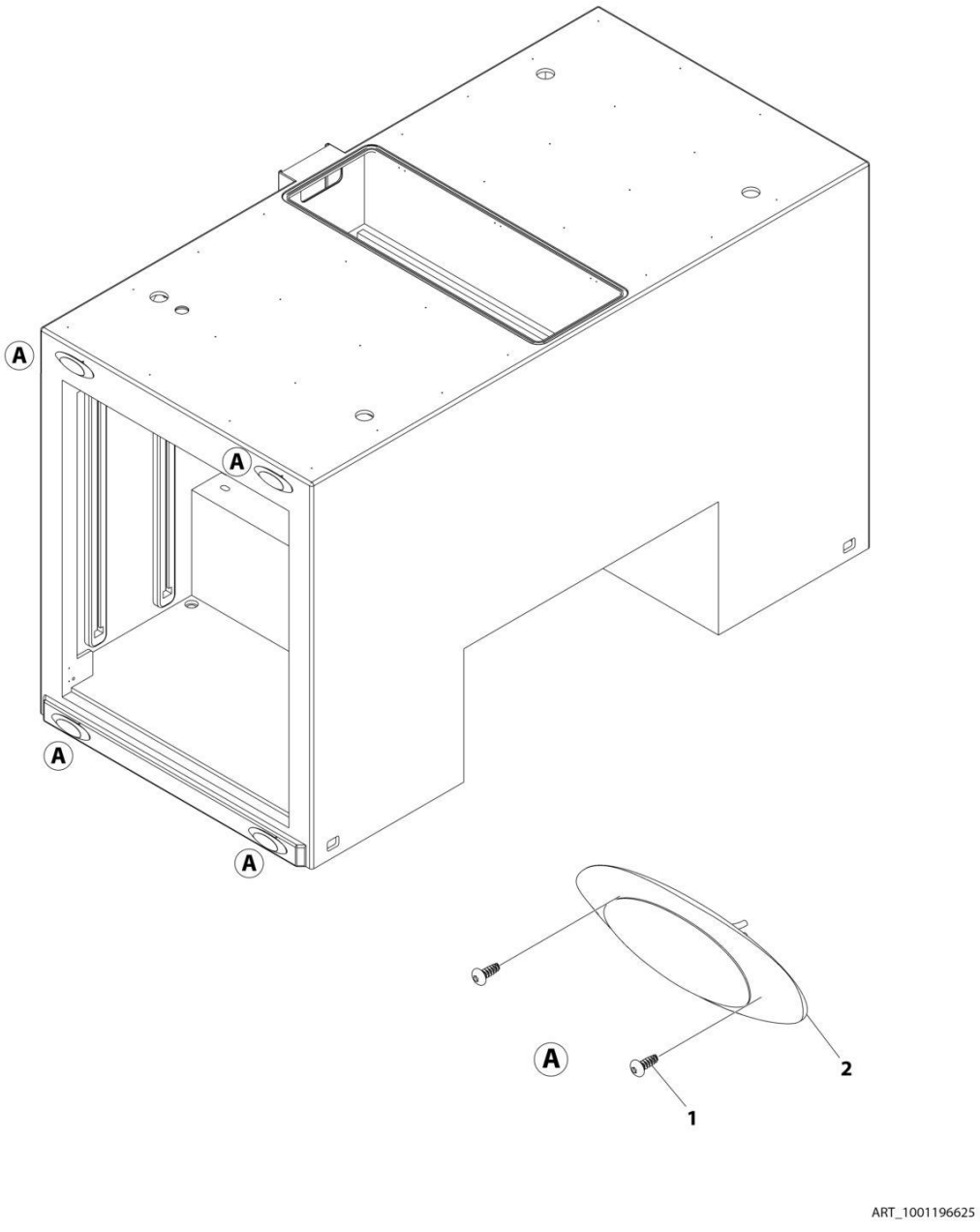


FIGURE 7-37. LIGHTS - MARKER LIGHTS INSTALLATION (TALL TUNNEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196625	Ref	LIGHTS - MARKER LIGHTS INSTALLATION, 48IN TUNNEL	D
1	1001192958	16	Screw #10 x 1/2	
2	7590000358	8	Light	

FIGURE 7-38. LIGHTS - MARKER LIGHTS INSTALLATION - TUNNEL (SHORT)

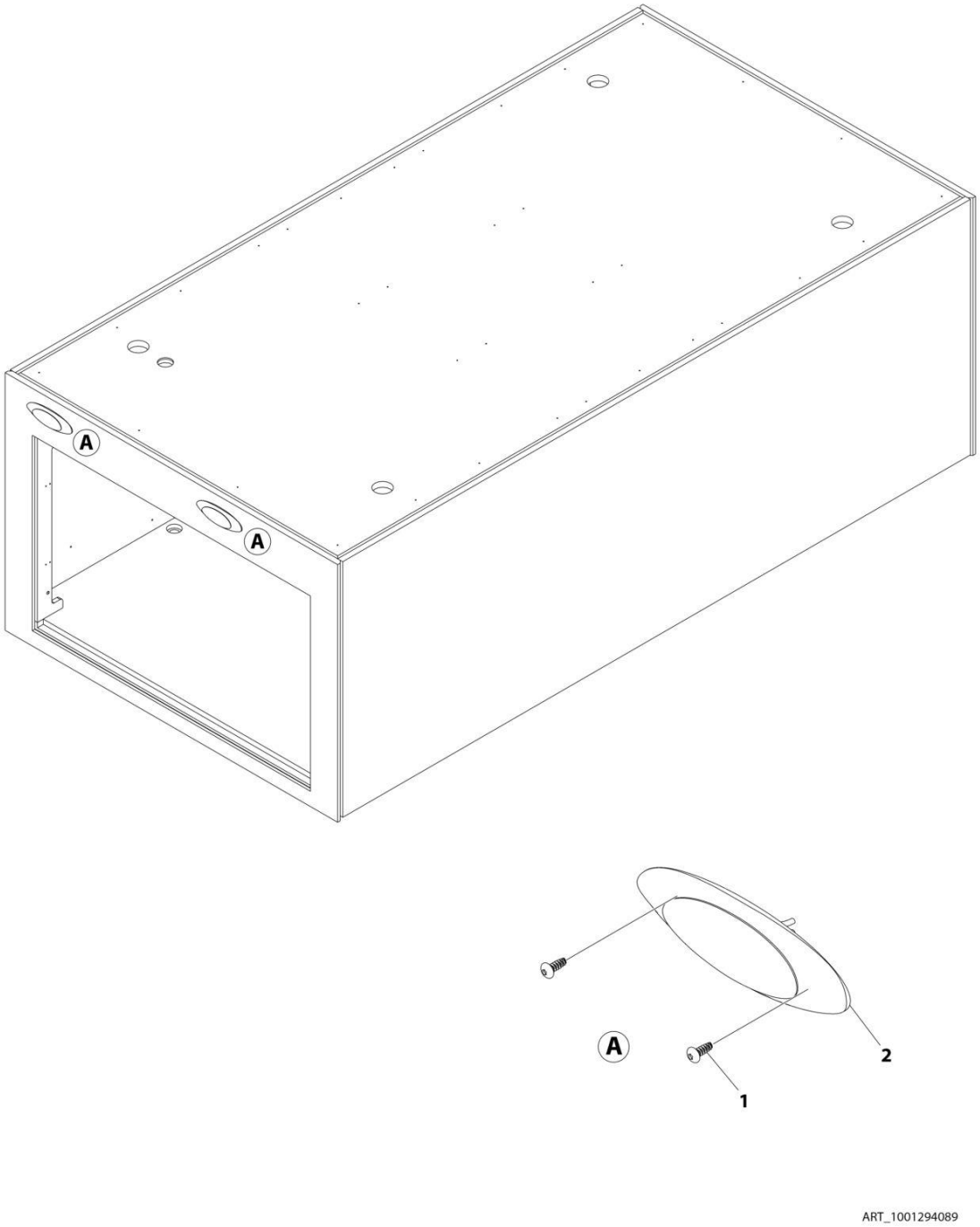


FIGURE 7-38. LIGHTS - MARKER LIGHTS INSTALLATION - TUNNEL (SHORT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294089	Ref	MARKER LIGHTS INSTALLATION - 48IN TUNNEL	A
1	1001192958	8	Screw #10 x 1/2	
2	7590000358	4	Light	

FIGURE 7-39. LIGHTS - OUTRIGGER LIGHTS INSTALLATION

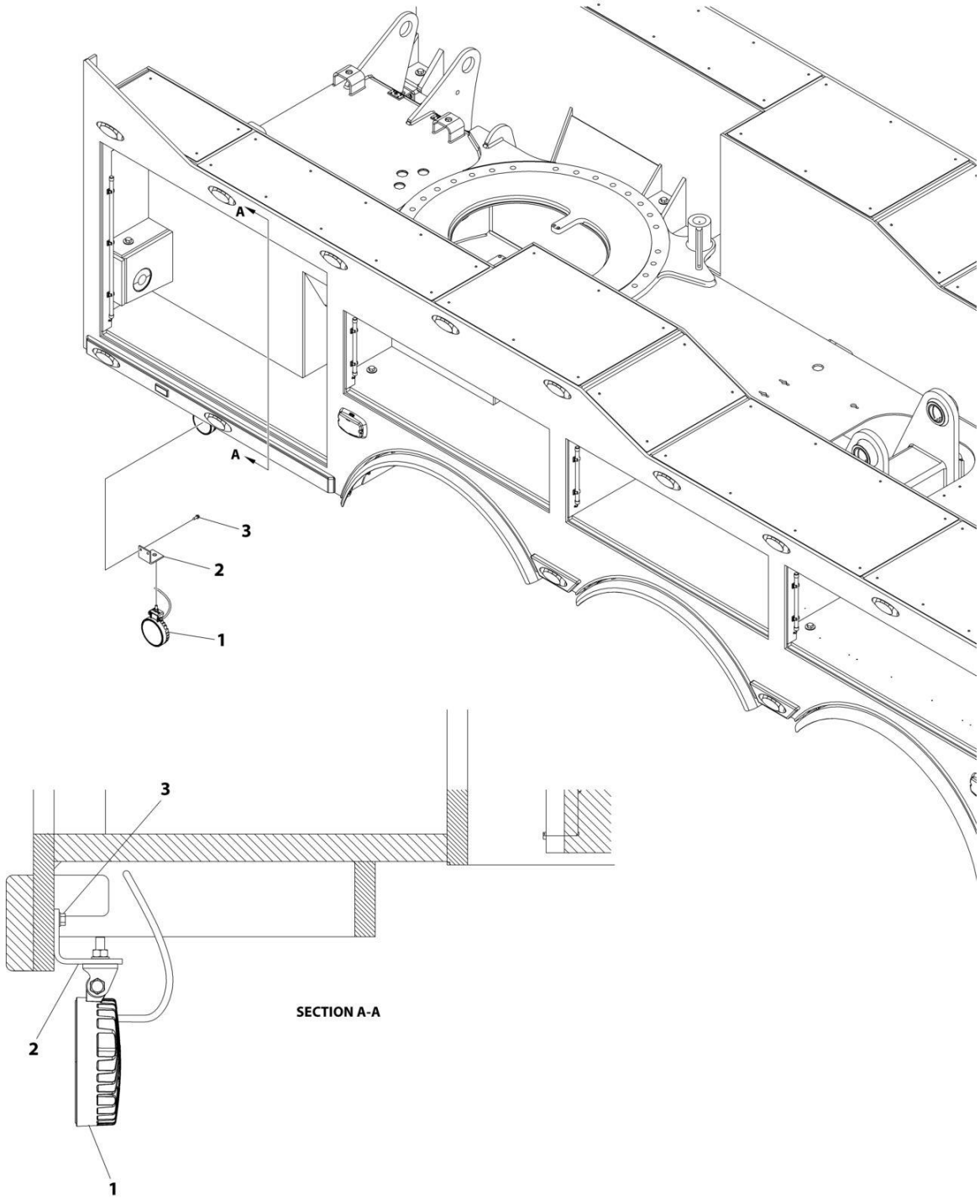


FIGURE 7-39. LIGHTS - OUTRIGGER LIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303580	Ref	OUTRIGGER LIGHT INSTALLATION	A
1	1001273634	2	Lamp	
2	4178000659	2	Bracket	
3	7790141251	4	Screw 1/4 x 3/4	

FIGURE 7-40. UNDERLIFT LIGHT HARNESS

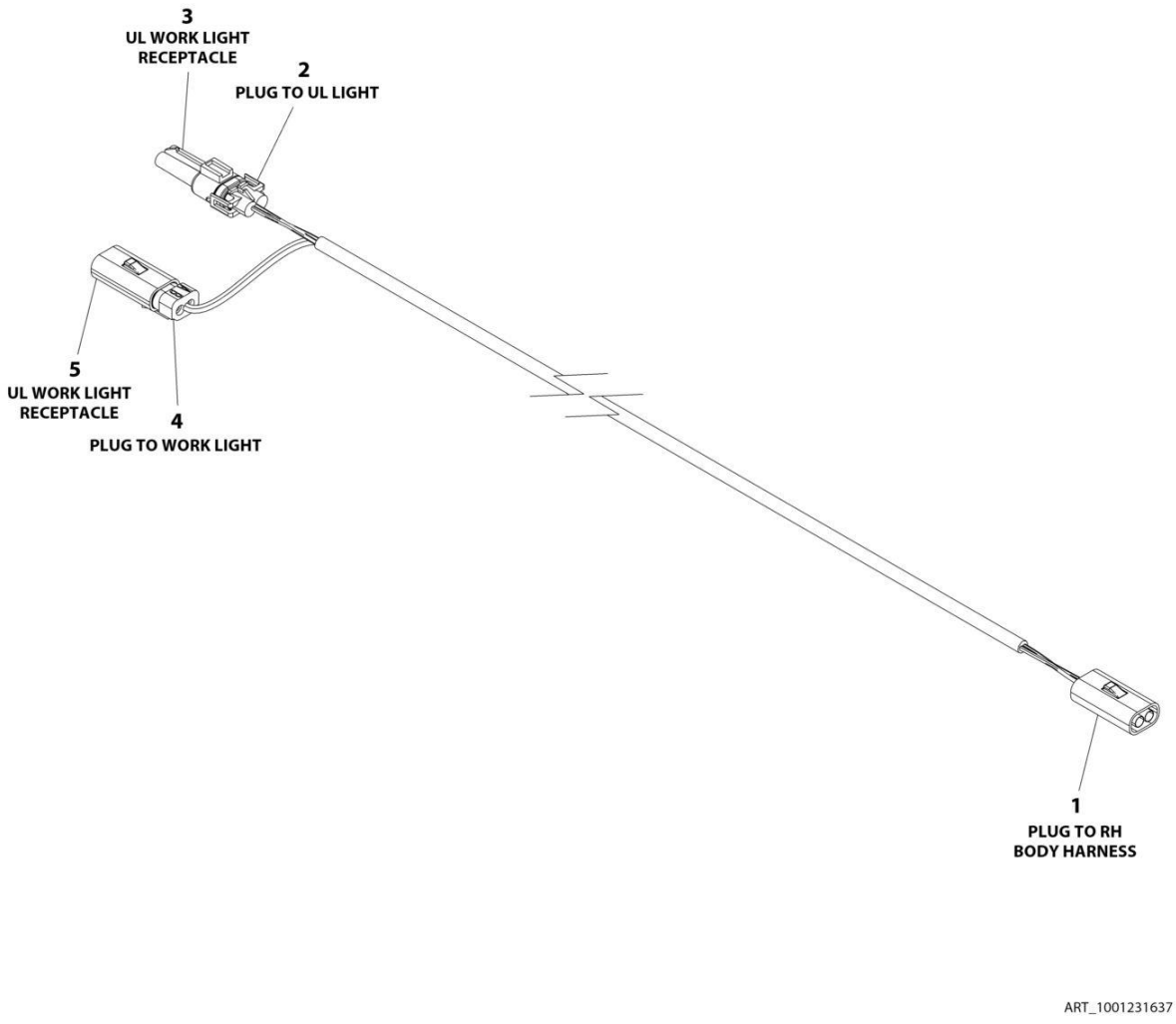


FIGURE 7-40. UNDERLIFT LIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231637	Ref	UNDERLIFT LIGHT HARNESS	B
1	4460867	1	Connector 3 Position	
1	4460458	1	Seal	
1	4460475	1	Terminal	
2	4461115	1	Connector 2 Position	
2	4460789	1	Seal	
2	4460746	1	Terminal	
3	1001133213	1	Connector 1 Position	
3	1001116727	1	Plug, Terminal	
4	4460742	1	Connector 2 Position	
4	4460457	1	Terminal	
4	4460458	1	Seal	
5	4460867	1	Connector 1 Position	
5	1001116727	1	Plug, Terminal	

FIGURE 7-41. LIGHTS - UNDERLIFT LIGHT INSTALLATION

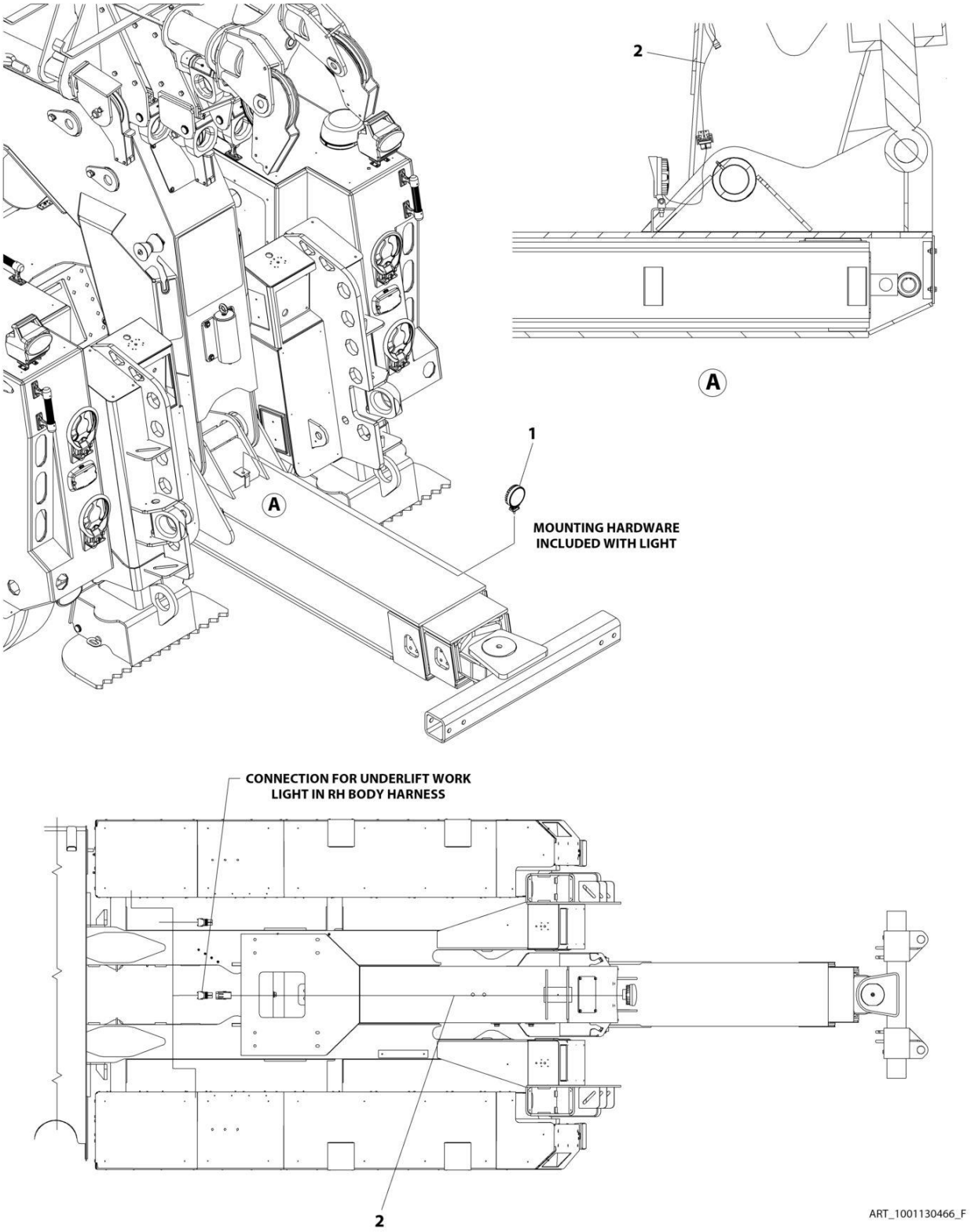


FIGURE 7-41. LIGHTS - UNDERLIFT LIGHT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001130466	Ref	UNDERLIFT LIGHT INSTALLATION	F
1	1001273634	1	Lamp	
2	1001231637	1	Harness (See Separate Breakdown in this Section)	
6	7894000010	12	Tie-Strap (Not Shown)	

FIGURE 7-42. LIGHTS - WING LIGHT INSTALLATION

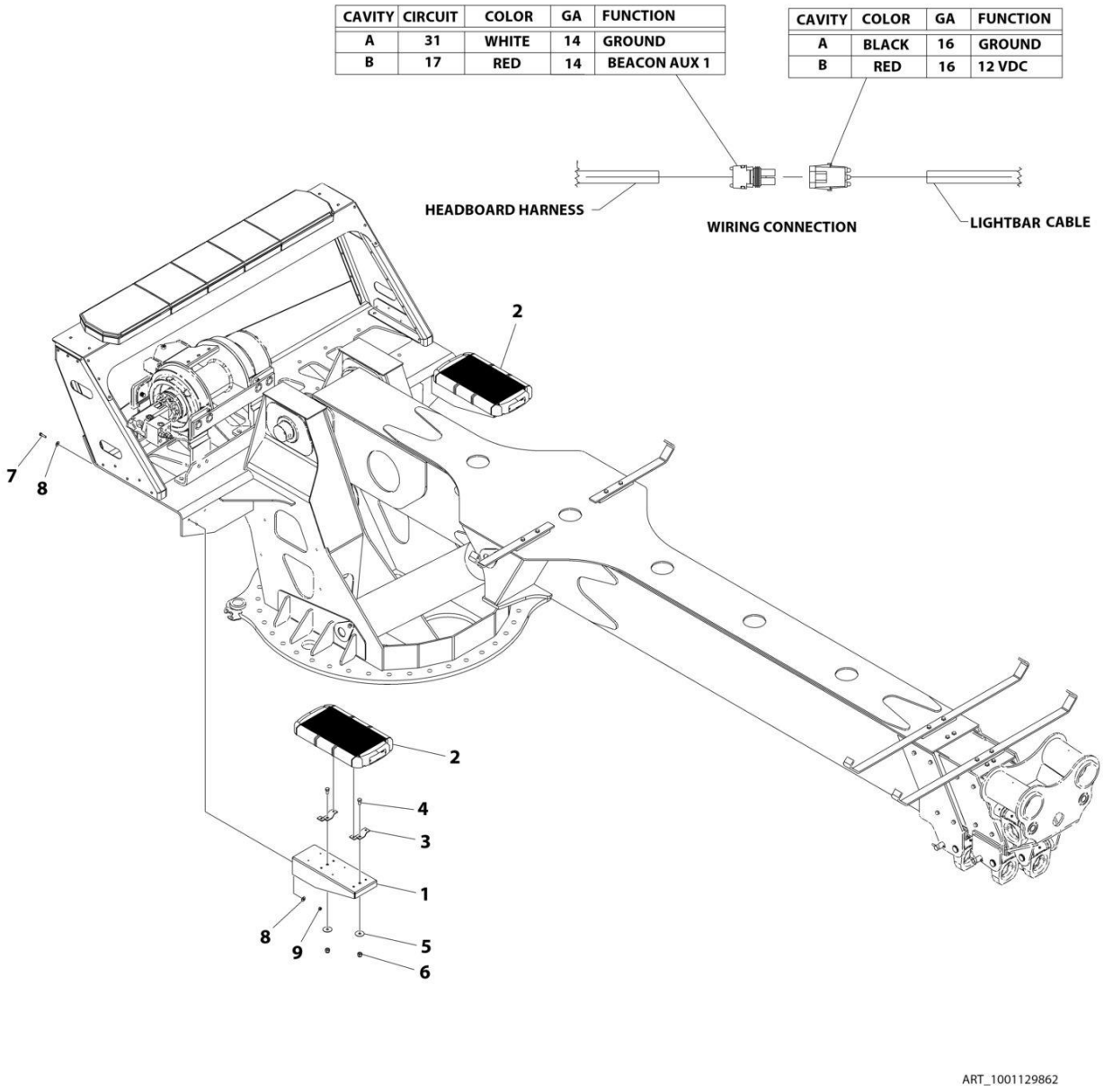
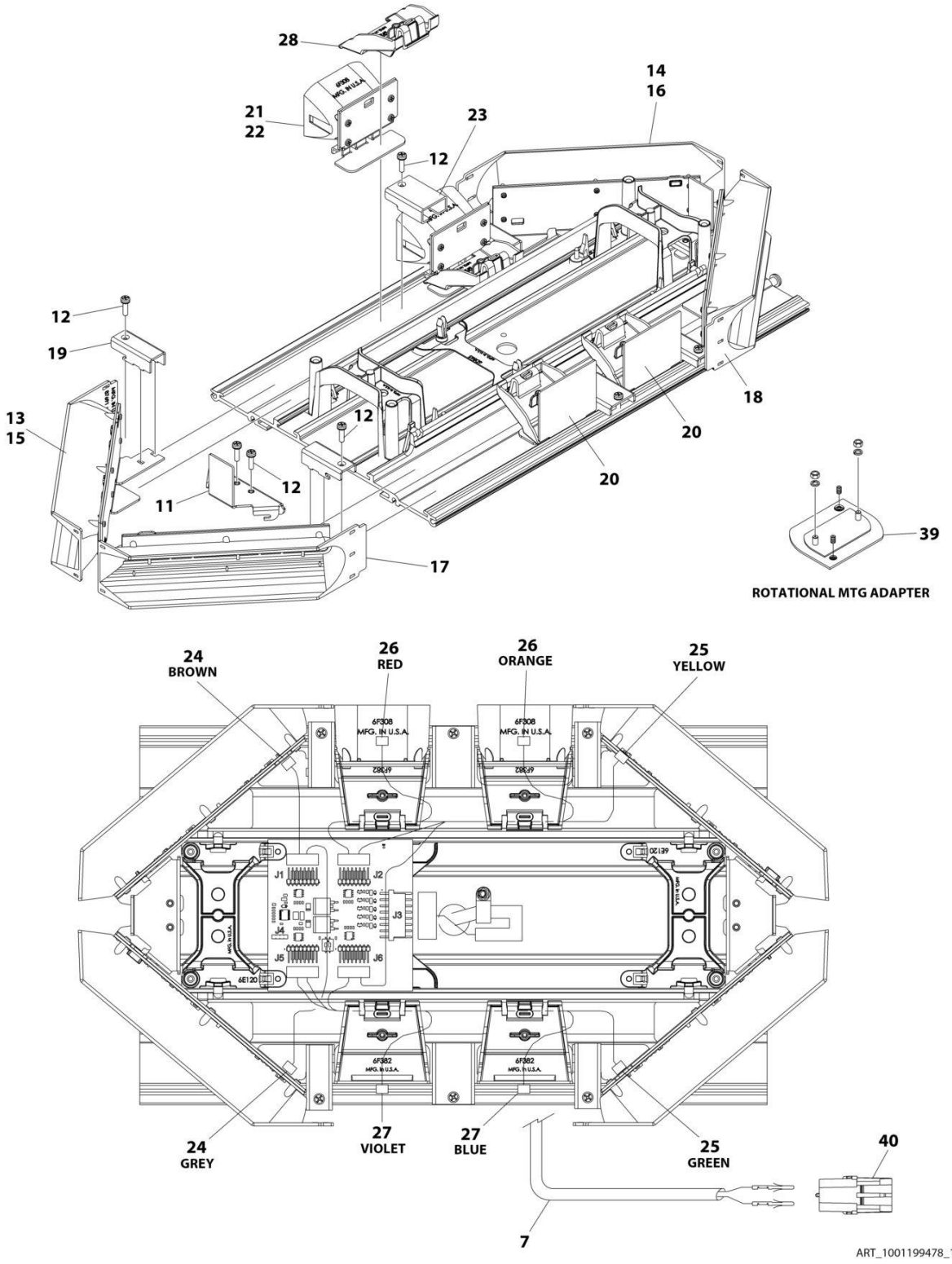


FIGURE 7-42. LIGHTS - WING LIGHT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129862	Ref	Wing Light Installation	C
1	1001129828	2	Bracket	
2	1001199478	2	Whelen Light Bar, 22" (See Separate Breakdown in this Section)	
3	4178000402	4	Bracket	
4	7115180850	4	Capscrew 1/2 x 1	
5	7949000072	4	Washer 1/2	
6	7660182601	4	Nut 1/2	
7	7115161250	6	Bolt 3/8 x 1-1/2	
8	7950160161	12	Washer 3/8	
9	7660162601	6	Nut 3/8	
10	7894000042	4	Tie Strap (Not Shown)	

FIGURE 7-43. LIGHTS - WING LIGHTS ASSEMBLY - 22IN AMBER (WHELEN)



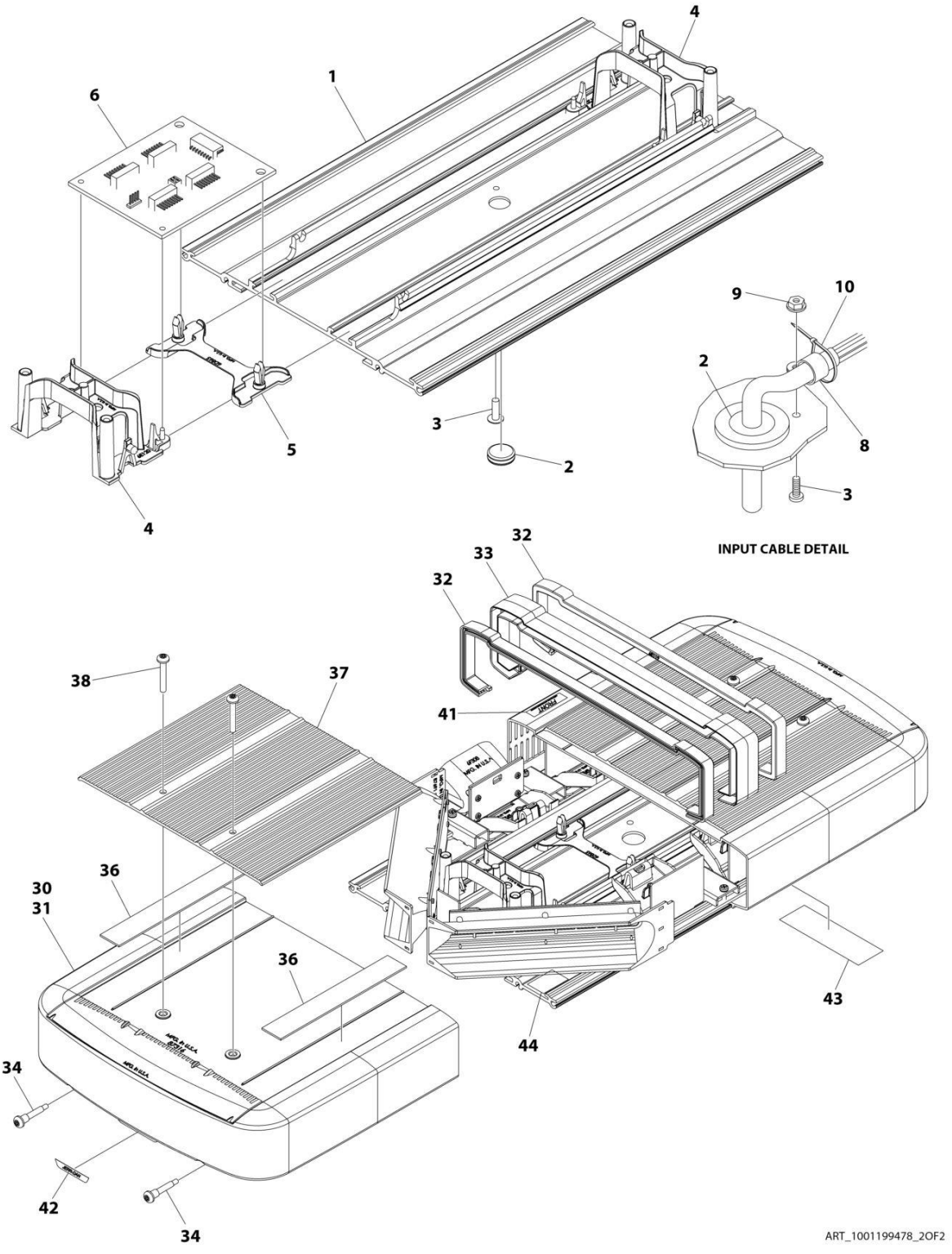

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INPUT CABLE DETAIL
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ART_1001199478_2OF2

FIGURE 7-43. LIGHTS - WING LIGHTS ASSEMBLY - 22IN AMBER (WHELEN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001199478	Ref	LIGHTS - LAMP ASSEMBLY - 22IN WHELEN WING LIGHT	B
1	70051019	1	Base	
2	70050169	1	Grommet	
3	70051020	1	Screw #10 x 7/8	
4	70051021	2	Bracket, Bulkhead Lens Mount	
5	70051022	1	Bracket, I/O Anchor	
6	70051023	1	Assembly, I/O BD Mini	
7	70051024	1	Assembly, Cable	
8	70051025	1	Clamp, Cable	
9	70050174	1	Nut #10	
10	70051026	AR	Tie Wrap	
11	70051027	2	Bracket, End Clamp	
12	70051028	10	Screw #6 x 1/2	
13	70051029	1	Assy, Corner L-Front/R-Rear Amber	
14	70051030	1	Assy, Corner L-Rear/R-Front Amber	
15	70051031	1	Assy, Corner L-Front/R-Rear Blue	
16	70051032	1	Assy, Corner L-Rear/R-Front Blue	
17	70051033	1	Assembly, Blank Rear Drvr Corner	
18	70051034	1	Assembly, Blank Rear Pass Corner	
19	70051035	4	Bracket, Corner Clamp	
20	70051036	2	Bracket, Half Filler	
21	70051037	2	Sub Assy, Short Directional Amber	
22	70051038	2	Sub Assy, Short Directional Blue	
23	70051039	2	Bracket, Filler	
24	70051040	1	Assembly, Harness	
25	70051041	1	Assembly, Harness	
26	70051042	1	Assembly, Harness	
27	70051043	1	Assembly, Harness	
28	70051044	4	Bracket, Snap-In	
29	70051045	AR	Tie Wrap (Not Shown)	
30	70051046	2	Sub Assy, Cut Dome Clear	
31	70051047	2	Sub Assy, Cut Dome Blue	
32	70051048	2	Seal, Lens Divider	
33	70051049	1	Divider, Lens	
34	70051050	4	Screw #10 x 1-1/4	
36	70051051	4	Tape, VHB Endcap Trim Mount	
37	70051052	2	Cover	
38	70051053	4	Screw #10 x 7/8	
39	70050204	2	Kit, Rotational MTG Adapter Jerr-Dan	
40	70051054	1	Housing, 2 POS Male Weather-Pack Sealed	
41	70051055	1	Label, "Front" Lightbar Assys	
42	70051056	2	Label, Jerr-Dan Liberty II	
43	70050207	1	Label, MN/SN Jerr-Dan Lightbar	
44	70051057	1	Label, Serial Number Liberty II Series	

FIGURE 7-44. LIGHTS - WORKLIGHT INSTALLATION - UPPER

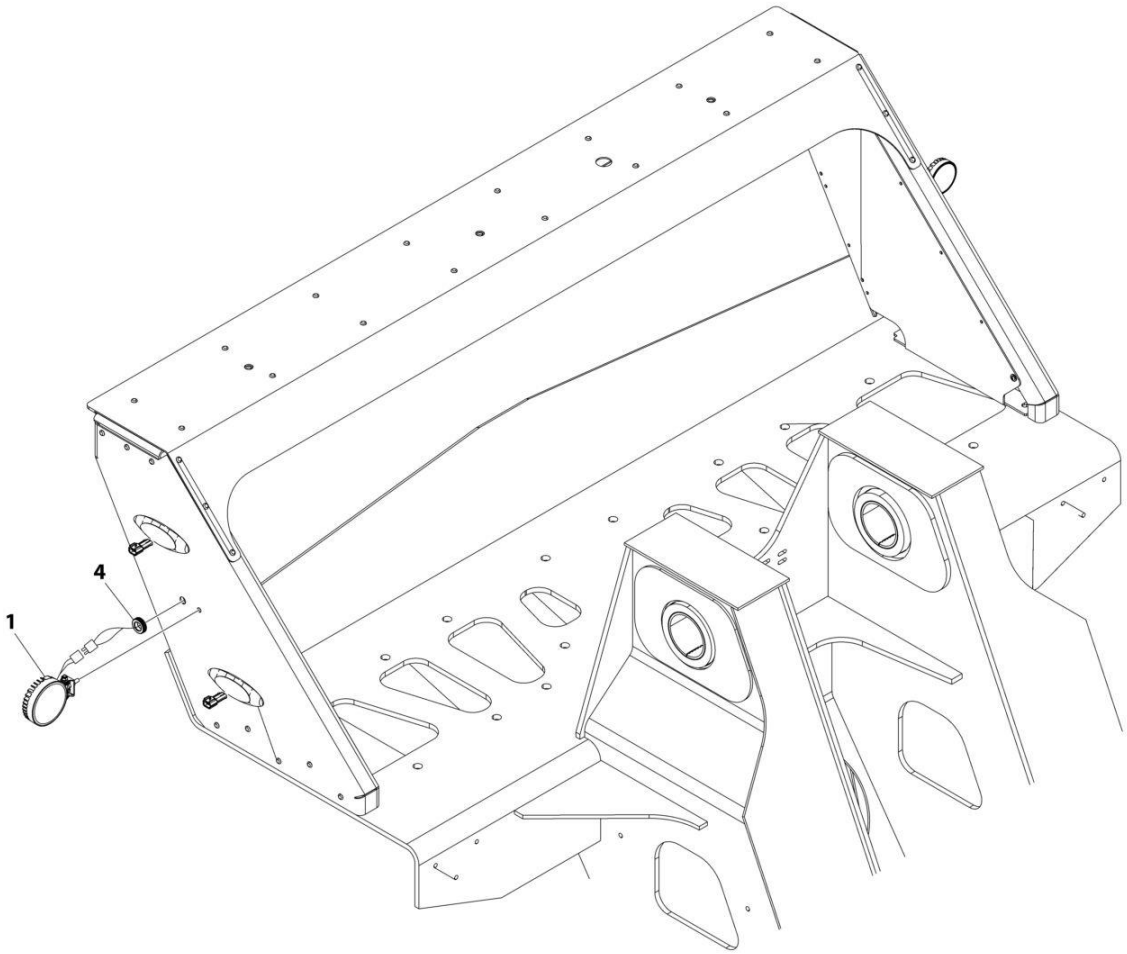


FIGURE 7-44. LIGHTS - WORKLIGHT INSTALLATION - UPPER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131169	Ref	UPPER WORK LIGHT INSTALLATION	D
1	1001273634	2	Lamp	
2	8597650002	1 ft	Wire Loom (Not Shown)	
4	7493000021	2	Grommet	

FIGURE 7-45. LIGHTS - WRECKER BOOM LIGHTS INSTALLATION (WHELEN)

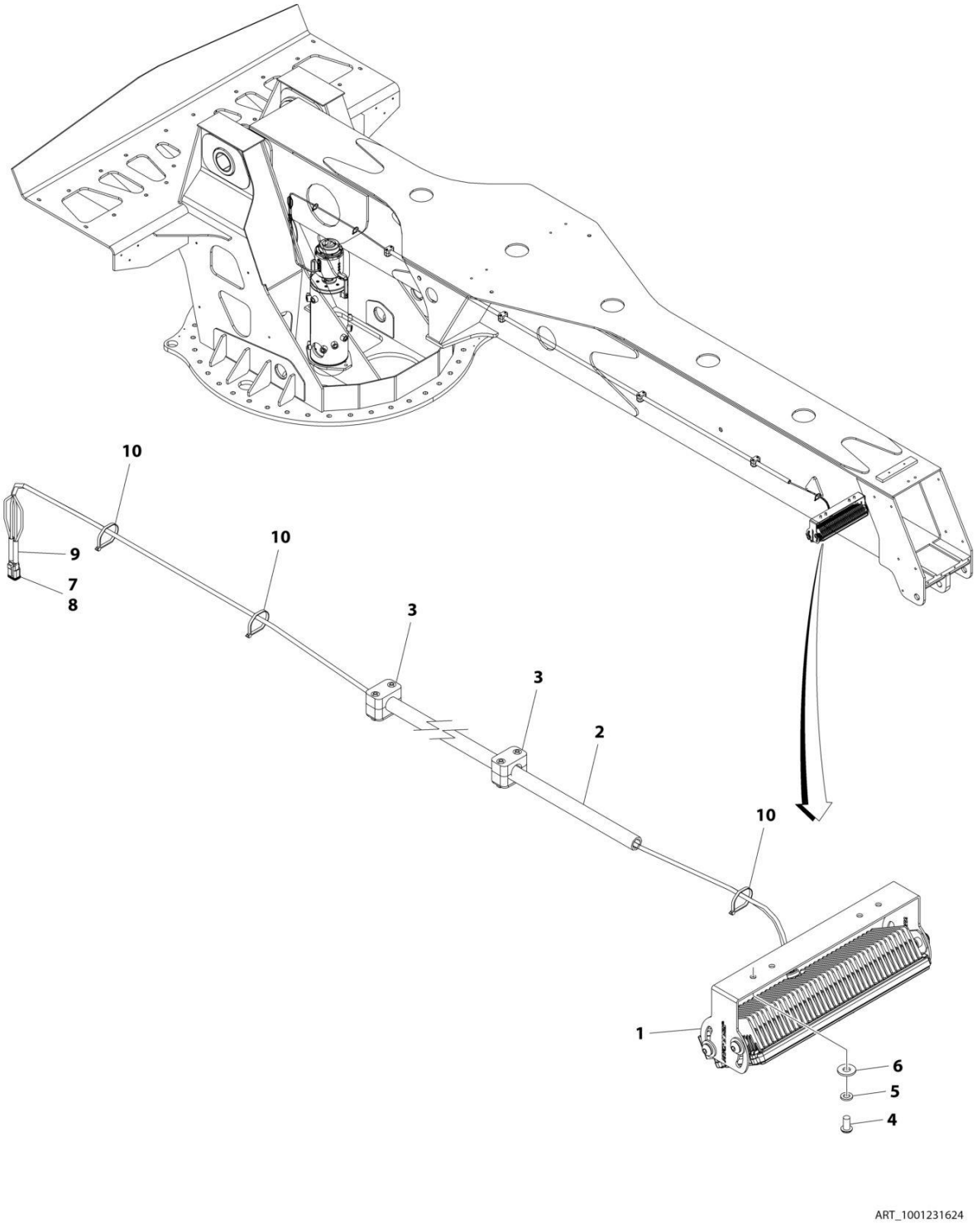


FIGURE 7-45. LIGHTS - WRECKER BOOM LIGHTS INSTALLATION (WHELEN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231624	Ref	WRECKER BOOM LIGHTS INSTALLATION	B
1	1001130429	1	Lamp	
2	1001206319	1	Tube	
3	7247000095	4	Assembly, Clamp	
4	7114160618	4	Capscrew 3/8 x 3/4	
5	7950160003	4	Nut 3/8	
6	7950160163	4	Washer 3/8	
7	4461018	1	Electrical Terminal	
8	4460509	2	Electrical Socket	
9	7346000039	AR	Tubing, Heat Shrink	
10	7894000010	3	Tie Strap	

FIGURE 7-46. LIGHTS - WRECKER BOOM LIGHTS INSTALLATION (LED)

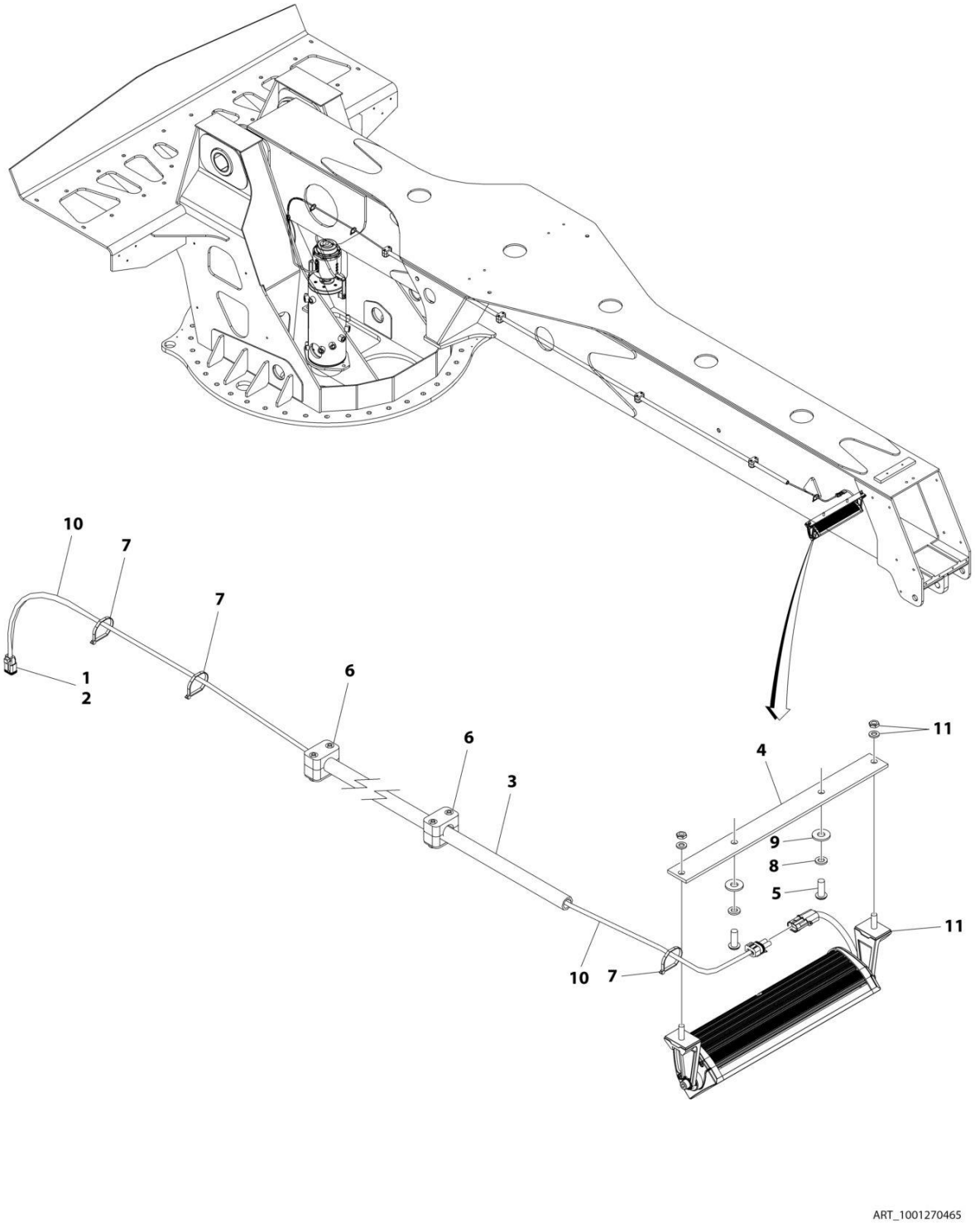


FIGURE 7-46. LIGHTS - WRECKER BOOM LIGHTS INSTALLATION (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270465	Ref	WRECKER BOOM LIGHTS INSTALLATION	A
1	4460509	2	Electrical Socket	
2	4461018	1	Electrical Terminal	
3	1001206319	1	Tube	
4	1001270464	1	Bracket	
5	7114160618	2	Capscrew 3/8 x 3/4	
6	7247000095	4	Assembly, Clamp	
7	7894000010	3	Tie Strap	
8	7950160003	2	Nut 3/8	
9	7950160163	2	Washer 3/8	
10	1001212488	1	Harness	
11	1001270479	1	Lamp	

FIGURE 7-47. MULTIPLEX ELECTRICAL INSTALLATION - WITHOUT AUXILIARY WINCH

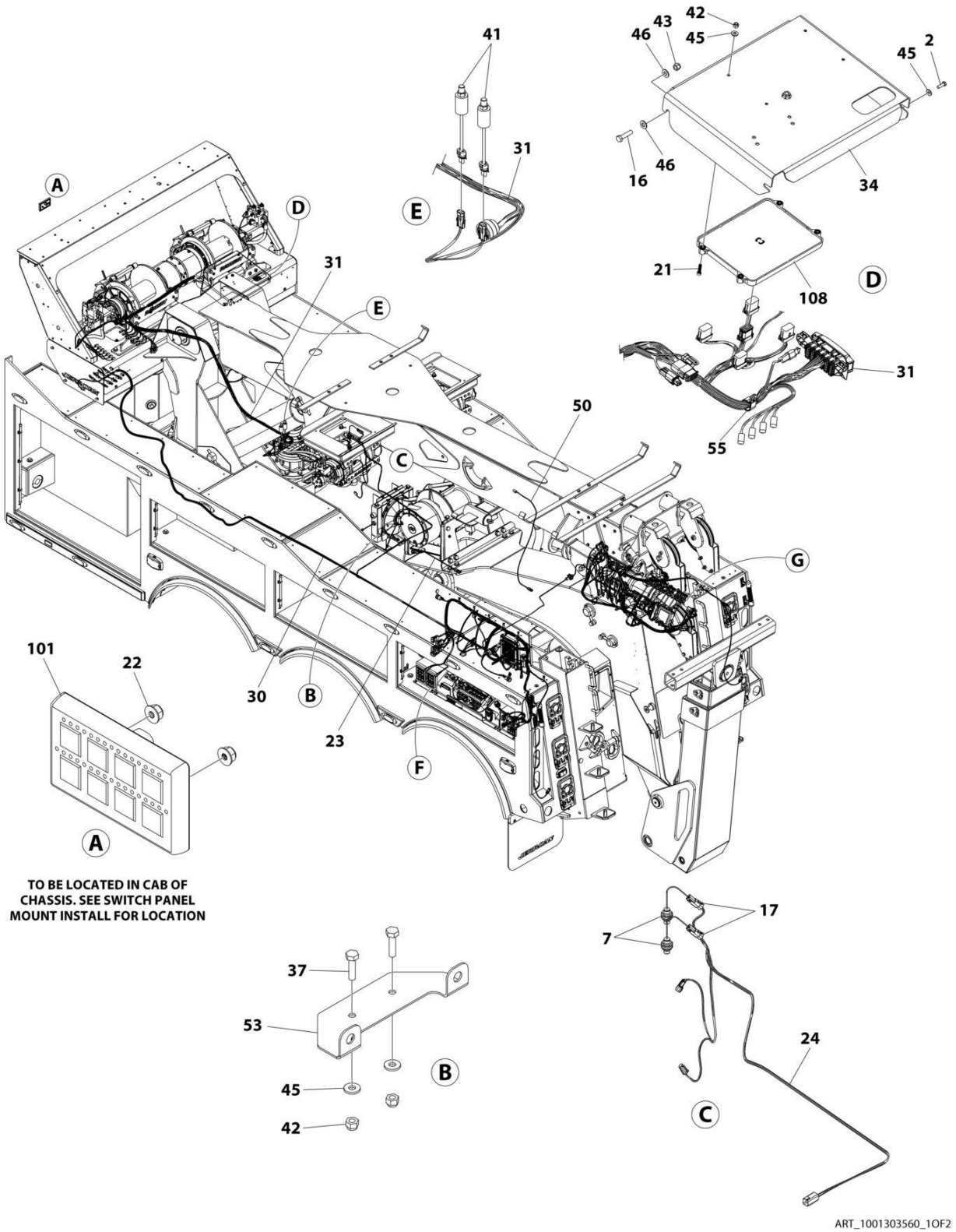
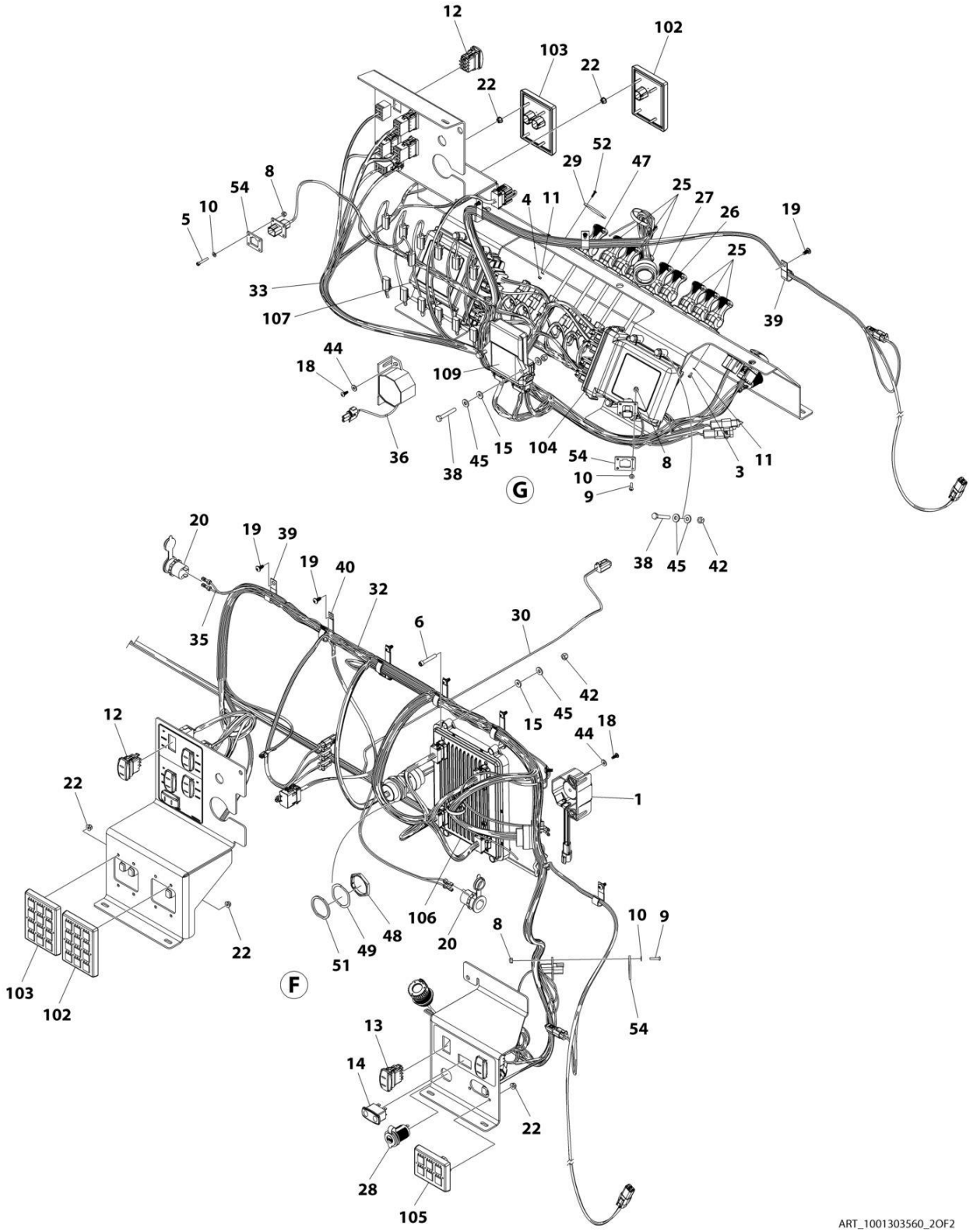


FIGURE 7-48. MULTIPLEX ELECTRICAL INSTALLATION - WITHOUT AUXILIARY WINCH



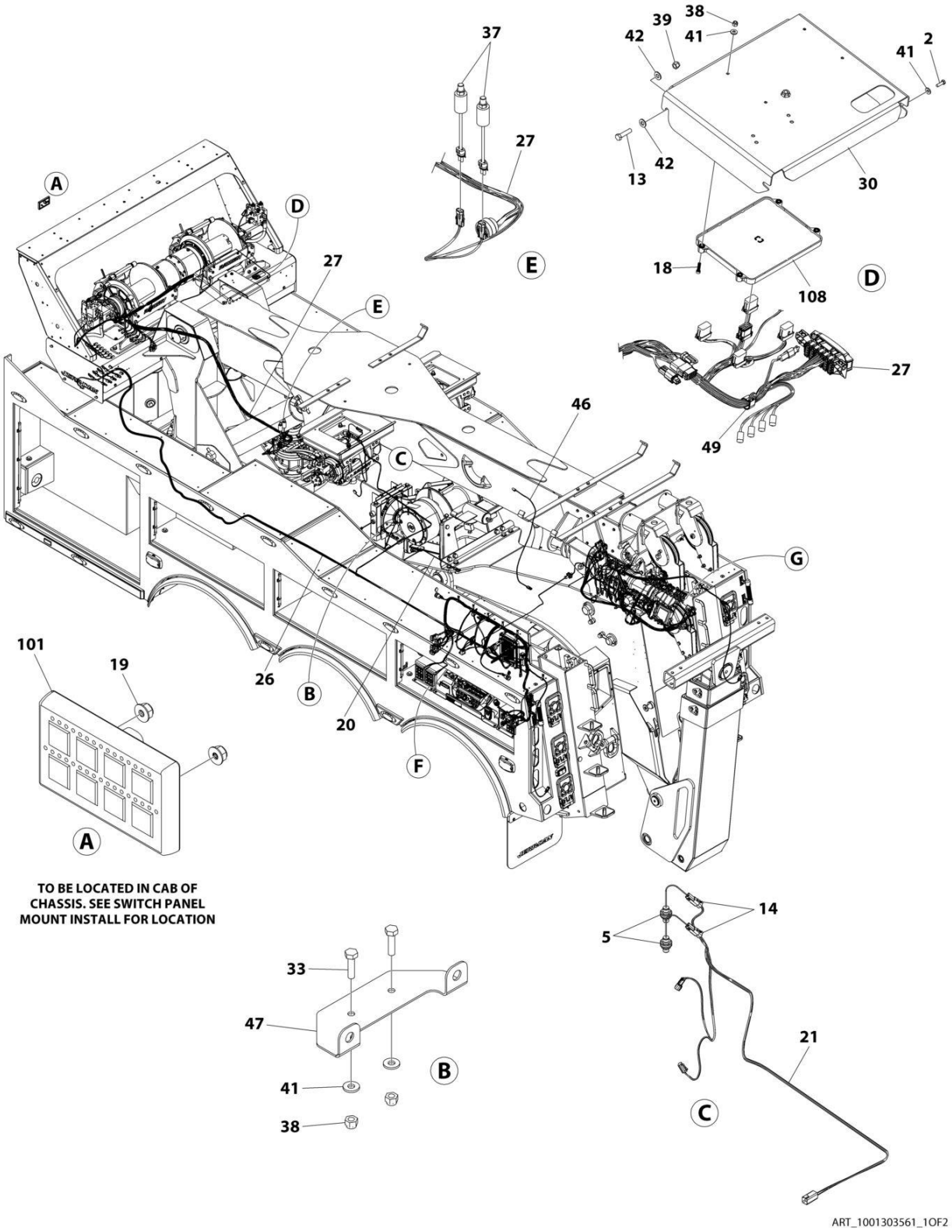
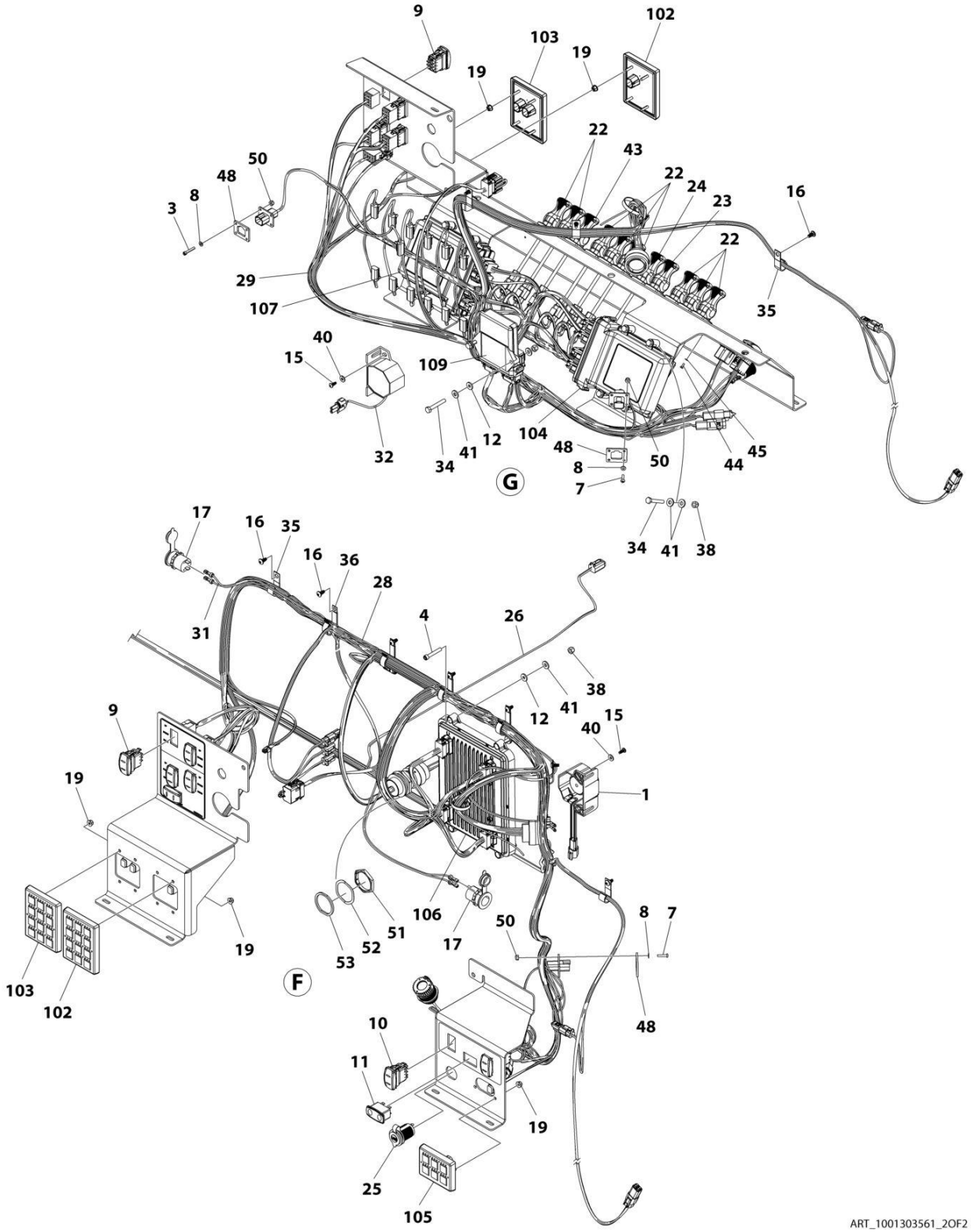

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108
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A
D
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F
A
TO BE LOCATED IN CAB OF CHASSIS. SEE SWITCH PANEL MOUNT INSTALL FOR LOCATION
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B
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5
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C
ART_1001303561_1OF2

FIGURE 7-49. MULTIPLEX ELECTRICAL INSTALLATION - WITH AUXILIARY WINCH



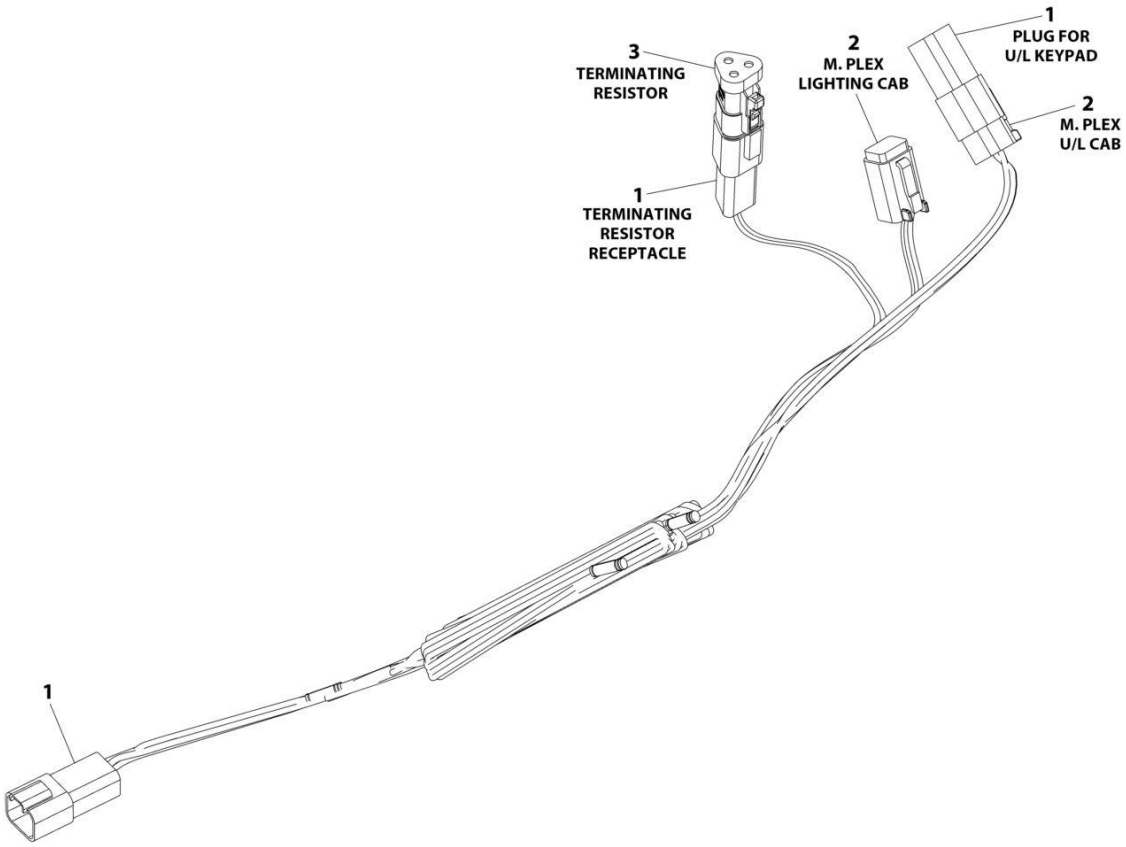

3
TERMINATING
RESISTOR
2
M. PLEX
LIGHTING CAB
1
PLUG FOR
U/L KEYPAD
2
M. PLEX
U/L CAB
1
TERMINATING
RESISTOR
RECEPTACLE
1
ART_1001215421

FIGURE 7-49. MULTIPLEX IN - CAB CONTROL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215421	Ref	MULTIPLEX IN - CAB CONTROL HARNESS	C
1	4460932	3	Receptacle, Female - 4 Position	
1	4460464	7	Pin, Male	
1	4460466	5	Plug, Terminal	
2	4460884	2	Plug, Male	
2	4460465	8	Socket, Female	
3	1001166815	1	Resistor	

FIGURE 7-50. MULTIPLEX IN-CAB CONTROLS HARNESS (CONSOLE MOUNTED)

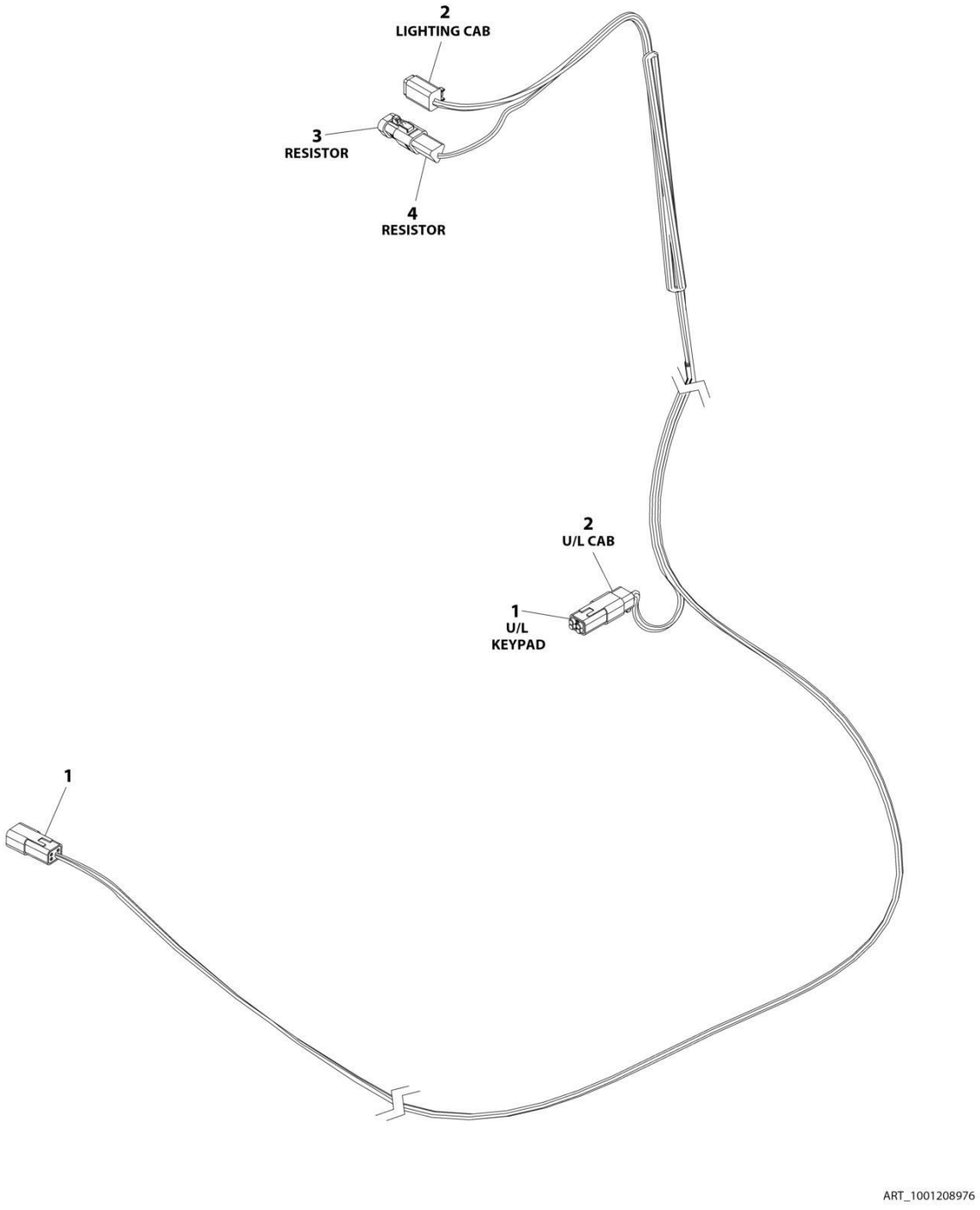


FIGURE 7-50. MULTIPLEX IN-CAB CONTROLS HARNESS (CONSOLE MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208976	Ref	MULTIPLEX IN-CAB CONTROLS HARNESS (CONSOLE MOUNTED)	F
1	4460932	2	Receptacle, Female - 4 Position	
1	4460464	4	Pin, Male	
1	4460466	4	Plug, Terminal	
2	4460884	2	Plug, Male - 4 Position	
2	4460465	8	Socket, Female	
3	1001116815	1	Plug, Male - 3 Position with Resistor	
4	4460536	1	Receptacle, Female 3 Position	
4	4460464	2	Pin, Male	
4	4460466	1	Plug, Terminal	

FIGURE 7-51. MULTIPLEX IN-CAB CONTROLS HARNESS (FLOOR MOUNTED)

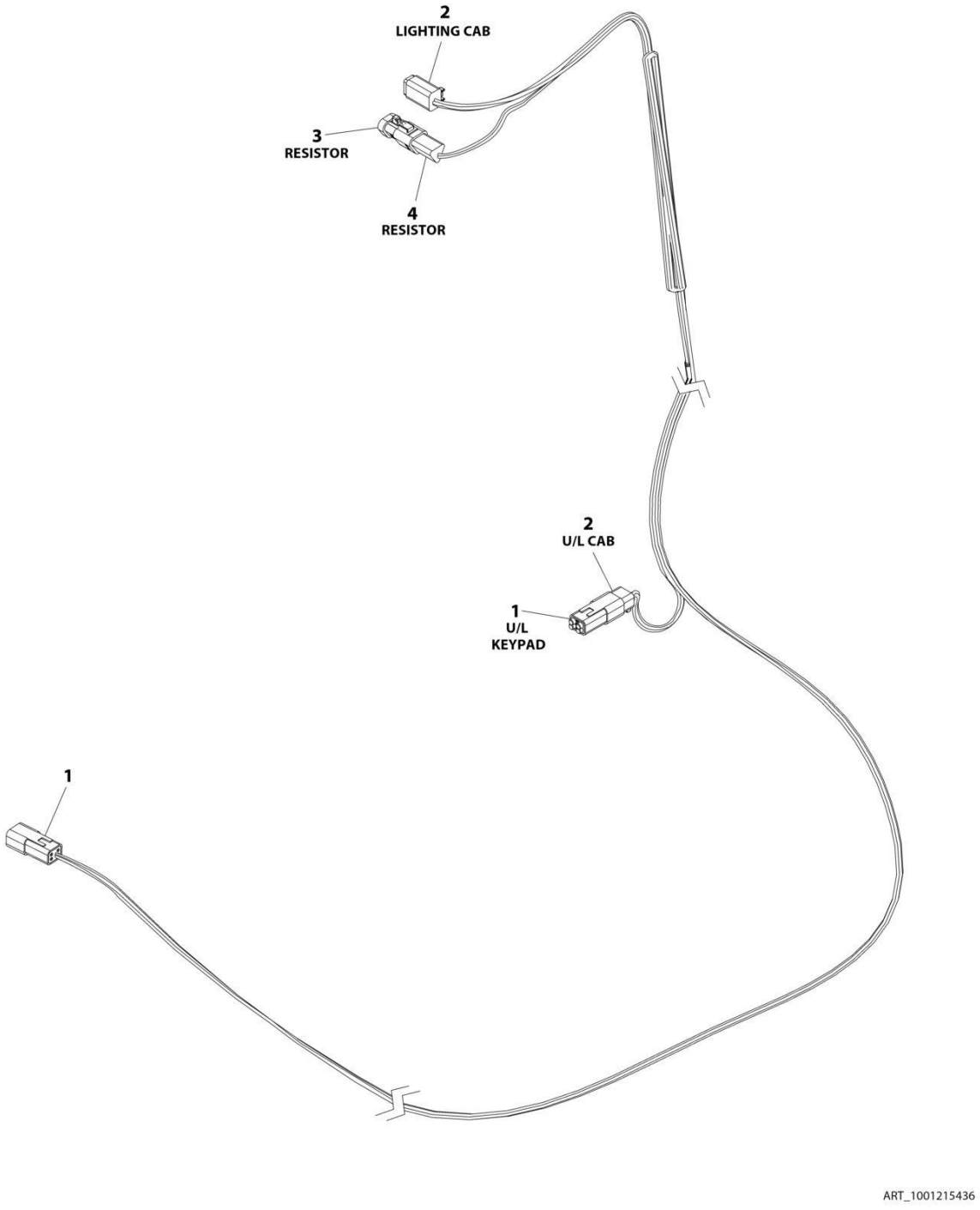


FIGURE 7-51. MULTIPLEX IN-CAB CONTROLS HARNESS (FLOOR MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215436	Ref	MULTIPLEX IN-CAB CONTROLS HARNESS (FLOOR MOUNTED)	D
1	4460932	2	Receptacle, Female - 4 Position	
1	4460464	4	Pin, Male	
1	4460466	4	Plug, Terminal	
2	4460884	2	Plug, Male - 4 Position	
2	4460465	8	Socket, Female	
3	1001116815	1	Plug, Male - 3 Position with Resistor	
4	4460536	1	Receptacle, Female 3 Position	
4	4460464	2	Pin, Male	
4	4460466	1	Plug, Terminal	

FIGURE 7-52. MULTIPLEX CROSSOVER HARNESS

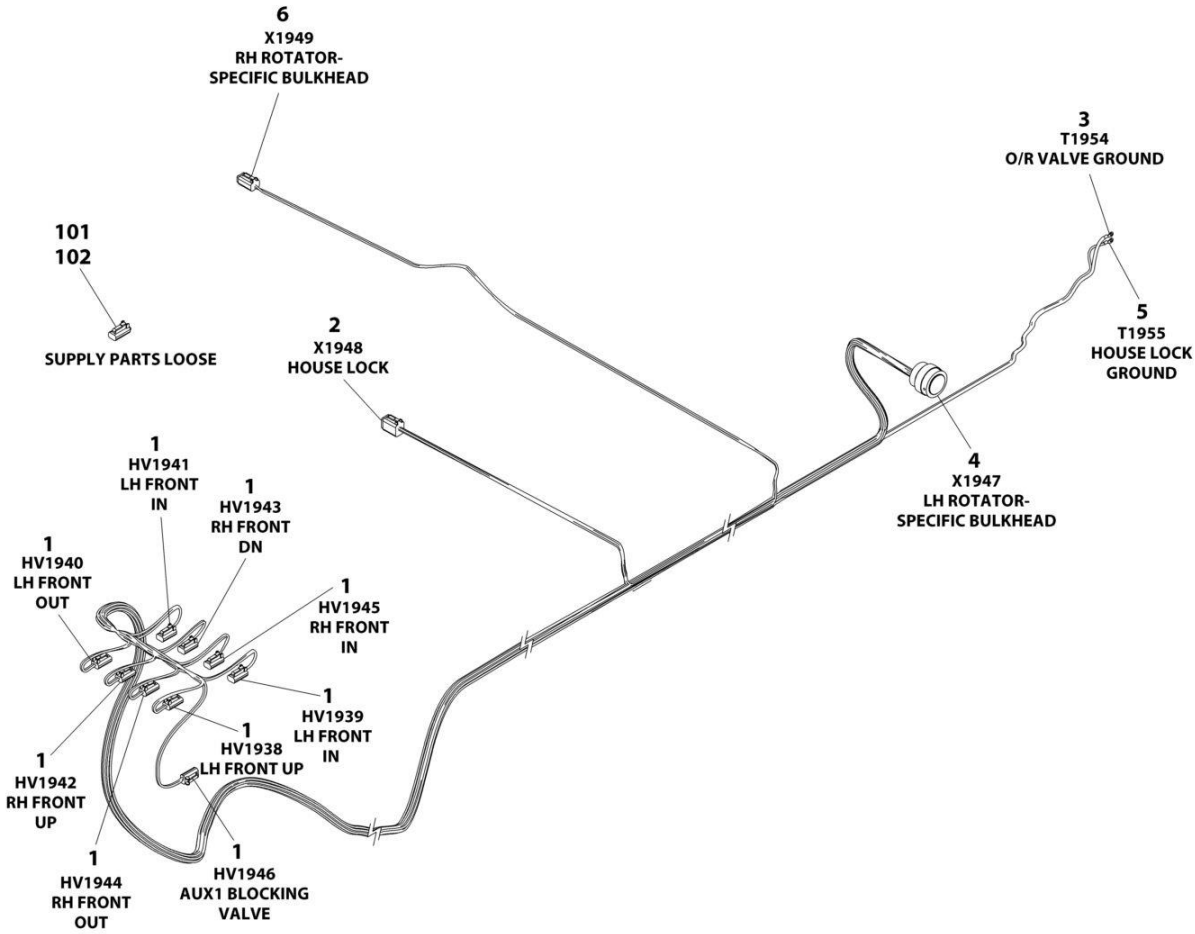


FIGURE 7-52. MULTIPLEX CROSSOVER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302024	Ref	MULTIPLEX CROSSOVER HARNESS	B
1	4460891	9	Connector 2 Position	
1	4490942	18	Terminal	
2	4460894	1	Connector 6 Position	
2	4490942	1	Terminal	
2	4460465	4	Terminal	
2	4460466	1	Plug, Terminal	
3	1001263726	1	Terminal, Ring	
4	1001116921	1	Connector 31 Position	
4	4490942	10	Terminal	
4	4460465	4	Terminal	
4	4460466	17	Plug, Terminal	
5	1001263545	1	Terminal, Ring	
6	4460884	1	Connector 4 Position	
6	4460465	2	Terminal	
6	4460466	2	Plug, Terminal	
101	4460466	4	Plug, Terminal	
102	4460891	2	Connector 2 Position	

FIGURE 7-53. MULTIPLEX CONTROL (RH) - HARNESS

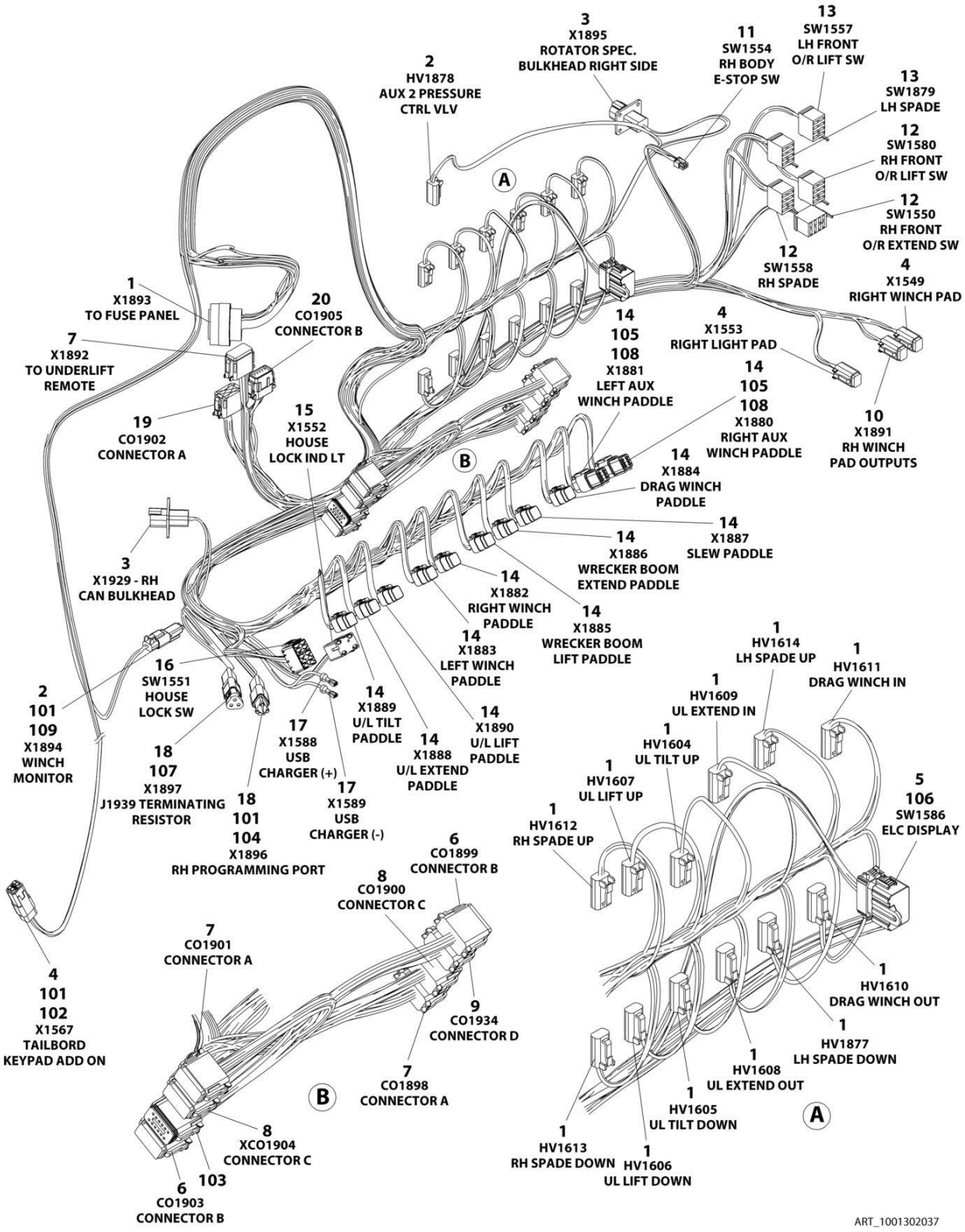


FIGURE 7-53. MULTIPLEX CONTROL (RH) - HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302037	Ref	MULTIPLEX CONTROL (RH) - HARNESS	D
1	1001263483	1	Connector 29 Position	
1	4460509	7	Terminal	
1	4460465	18	Terminal	
1	4460466	4	Plug, Terminal	
2	4460891	14	Connector 2 Position	
2	4460465	28	Terminal	
3	4460885	2	Connector 4 Position	
3	4460464	4	Terminal	
3	4460466	4	Plug, Terminal	
4	1001262482	3	Connector 4 Position	
4	4460465	12	Terminal	
5	1001176333	1	Connector 18 Position	
5	4460465	5	Terminal	
5	4460466	13	Plug, Terminal	
6	4460836	2	Connector 12 Position	
6	4460465	17	Terminal	
6	4460466	7	Plug, Terminal	
7	4460933	3	Connector 12 Position	
7	4490942	2	Terminal	
7	4460465	31	Terminal	
7	4460466	3	Plug, Terminal	
8	4460934	2	Connector 12 Position	
8	4490942	1	Terminal	
8	4460465	21	Terminal	
8	4460466	2	Plug, Terminal	
9	4460935	1	Connector 12 Position	
9	4460465	3	Terminal	
9	4460466	9	Plug, Terminal	
10	1001262483	1	Connector 4 Position	
10	4460465	2	Terminal	
10	4460466	2	Plug, Terminal	
11	1001262746	1	Connector 6 Position	
11	1001262747	6	Terminal	
12	8220904	3	Connector 8 Position	
12	1001104519	12	Terminal	
12	NPN	12	Plug, Terminal	
13	1001262745	2	Connector 8 Position	
13	1001104519	9	Terminal	
13	NPN	7	Plug, Terminal	
14	4461216	11	Connector 6 Position	
14	1001126008	66	Terminal	
15	1001117119	1	Connector 4 Position	
15	1001104519	4	Terminal	
16	1001117081	1	Connector 10 Position	
16	1001104519	8	Terminal	
16	NPN	2	Plug, Terminal	
17	1001118379	2	Terminal	
18	1001144147	2	Connector 3 Position	
18	4460464	4	Terminal	

SECTION 7 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	4460466	2	Plug, Terminal	
19	1001116774	1	Connector 12 Position	
19	1001126008	10	Terminal	
19	4460518	2	Plug, Terminal	
20	1001116808	1	Connector 12 Position	
20	1001126008	10	Terminal	
20	4460518	2	Plug, Terminal	
101	4460466	21	Plug, Terminal	
102	4460932	1	Connector 4 Position	
103	4460935	1	Plug	
104	1001116812	1	Connector 3 Position	
105	4461217	2	Connector 6 Position	
106	1001215898	1	Cap, Dust	
107	1001116815	1	Connector 3 Position	
108	4460518	12	Plug, Terminal	
109	4460897	1	Connector 2 Position	
110	7894000004	2	Tie-Strap (Not Shown)	

FIGURE 7-54. MULTIPLEX CONTROL (LH) - HARNESS

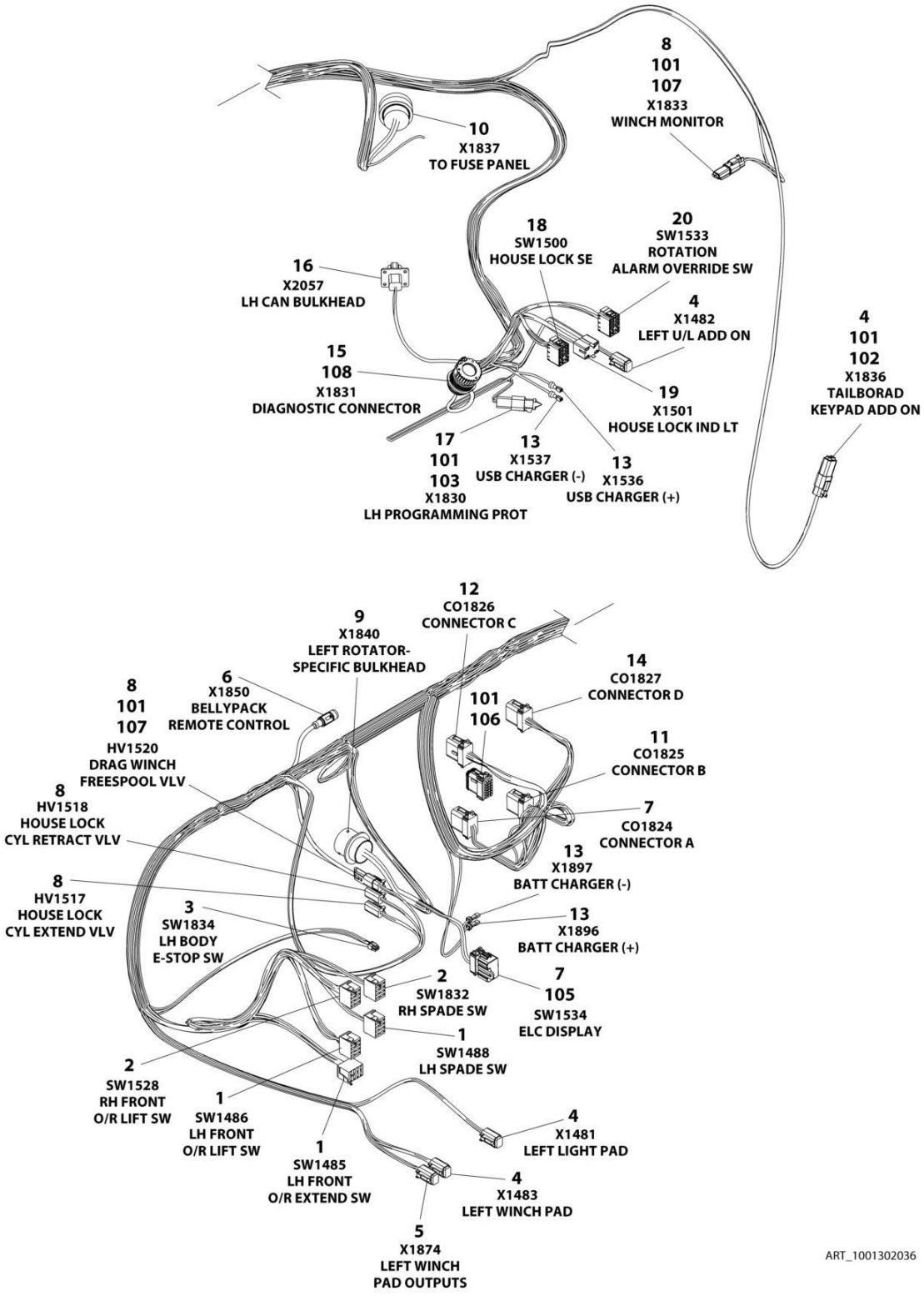


FIGURE 7-54. MULTIPLEX CONTROL (LH) - HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302036	Ref	HARNESS CONTROLS LH HDR	C
1	8220904	3	Connector 8 Position	
1	1001104519	15	Terminal	
1	NPN	9	Plug, Terminal	
2	1001262745	2	Connector 8 Position	
2	1001104519	9	Terminal	
2	NPN	7	Plug, Terminal	
3	1001262746	1	Connector 6 Position	
3	1001262747	6	Terminal	
4	1001262482	4	Connector 4 Position	
4	4460465	16	Terminal	
5	1001262483	1	Connector 4 Position	
5	4460465	4	Terminal	
6	1001125295	1	Connector 5 Position	
6	NPN	5	Terminal	
7	1001176333	2	Connector 18 Position	
7	4490942	2	Terminal	
7	4460465	18	Terminal	
7	4460466	16	Plug, Terminal	
8	4460891	4	Connector 2 Position	
8	4460465	8	Terminal	
9	1001116920	1	Connector 31 Position	
9	4490941	10	Terminal	
9	4460464	4	Terminal	
9	4460466	17	Plug, Terminal	
10	1001263483	1	Connector 29 Position	
10	4460509	6	Terminal	
10	4460465	18	Terminal	
10	4460466	5	Plug, Terminal	
11	1001262020	1	Connector 18 Position	
11	4490942	2	Terminal	
11	4460465	13	Terminal	
11	4460466	3	Plug, Terminal	
12	1001262021	1	Connector 18 Position	
12	4490942	10	Terminal	
12	4460465	1	Terminal	
12	4460466	7	Plug, Terminal	
13	1001118379	4	Terminal	
14	1001262022	1	Connector 18 Position	
14	4490942	3	Terminal	
14	4460465	5	Terminal	
14	4460466	10	Plug, Terminal	
15	1001249095	1	Connector 9 Position	
15	4460464	5	Terminal	
15	4460466	4	Plug, Terminal	
16	4460885	1	Connector 4 Position	
16	4460464	2	Terminal	
16	4460466	2	Plug, Terminal	
17	1001144147	1	Connector 3 Position	
17	4460464	2	Terminal	

SECTION 7 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	4460466	1	Plug, Terminal	
18	1001117081	1	Connector 10 Position	
18	1001104519	8	Terminal	
18	NPN	2	Plug, Terminal	
19	1001117119	1	Connector 4 Position	
19	1001104519	4	Terminal	
20	1001304353	1	Connector 10 Position	
20	NPN	8	Terminal	
20	NPN	2	Plug, Terminal	
101	4460466	1	Plug, Terminal	
102	4460932	1	Connector 4 Position	
103	1001116812	1	Connector 3 Position	
104	7894000004	1	Tie-Strap (Not Shown)	
105	1001215898	1	Cap, Dust	
106	1001262023	1	Connector 18 Position	
107	4460897	1	Connector 2 Position	
108	1001167667	1	Cover	

FIGURE 7-55. PYLON ROTATOR HARNESS

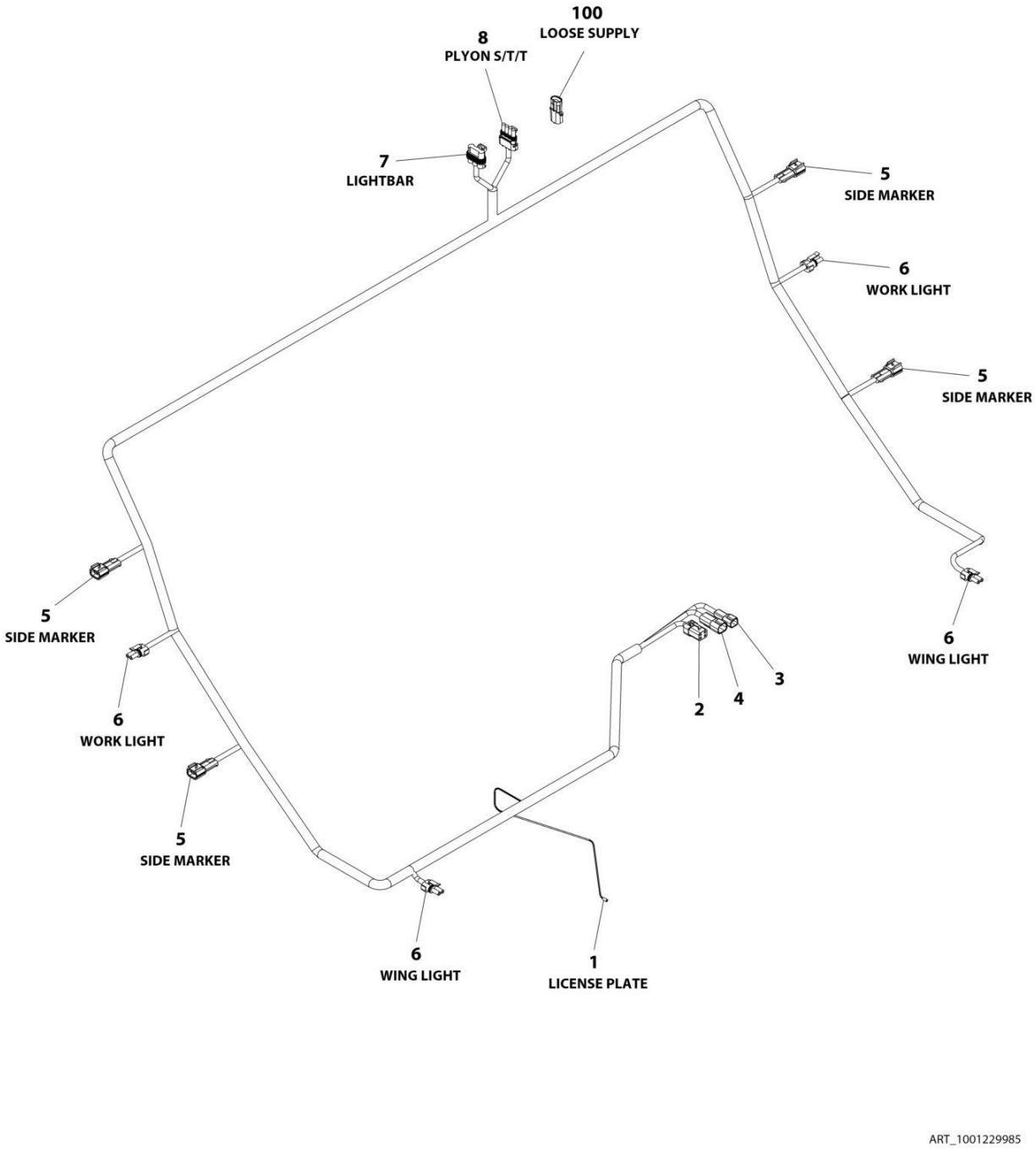


FIGURE 7-55. PYLON ROTATOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229985	Ref	PYLON ROTATOR HARNESS	C
1		Ref	Terminal	
2	1001116810	1	Connector 4 Position	
2	4460509	4	Terminal	
3	4461017	1	Connector 2 Position	
3	1001150610	1	Terminal	
3	4460508	1	Terminal	
4	1001116811	1	Connector 4 Position	
4	4460508	4	Terminal	
5	1001117026	4	Connector 2 Position	
5	1001116745	8	Terminal	
6	4460742	4	Connector 2 Position	
6	4460457	8	Terminal	
7	8220935	1	Connector 3 Position	
7	8220099	3	Terminal	
8	4460460	1	Connector 4 Position	
8	4460457	4	Terminal	
100	4461157	1	Connector 2 Position	
100	1001116727	2	Plug, Terminal	

FIGURE 7-56. REAR TUNNEL HARNESS

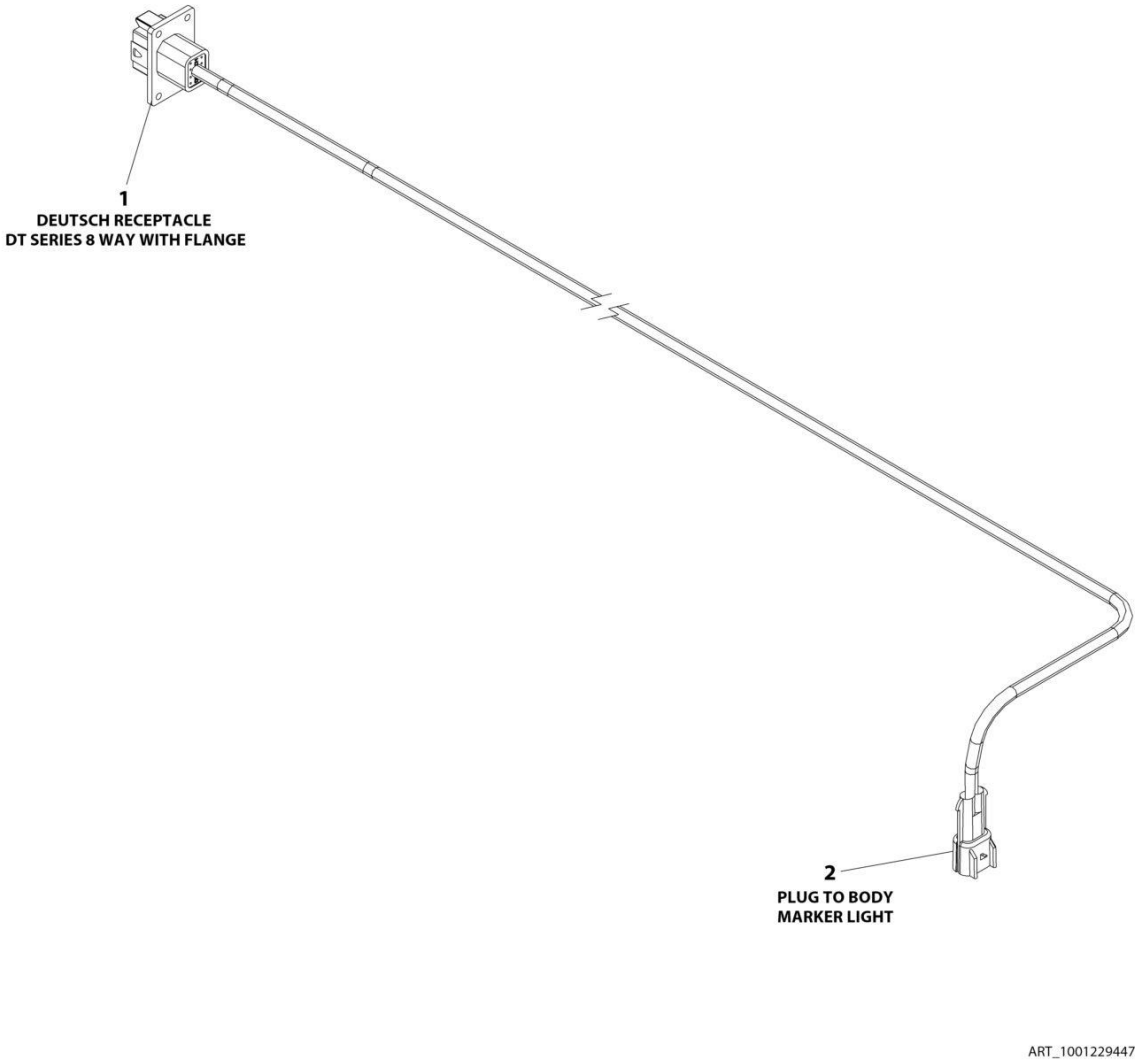


FIGURE 7-56. REAR TUNNEL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229447	Ref	REAR TUNNEL HARNESS	A
1	1001269275	1	Connector	
1	91503106	1	Wedge, Locking	
1	4460464	2	Pin	
1	4460466	4	Plug	
1	NPN	1	Gasket	
2	1001117026	1	Connector	
2	1001116745	2	Socket	
2	4460458	2	Seal	

FIGURE 7-57. TOW LIGHT HARNESS

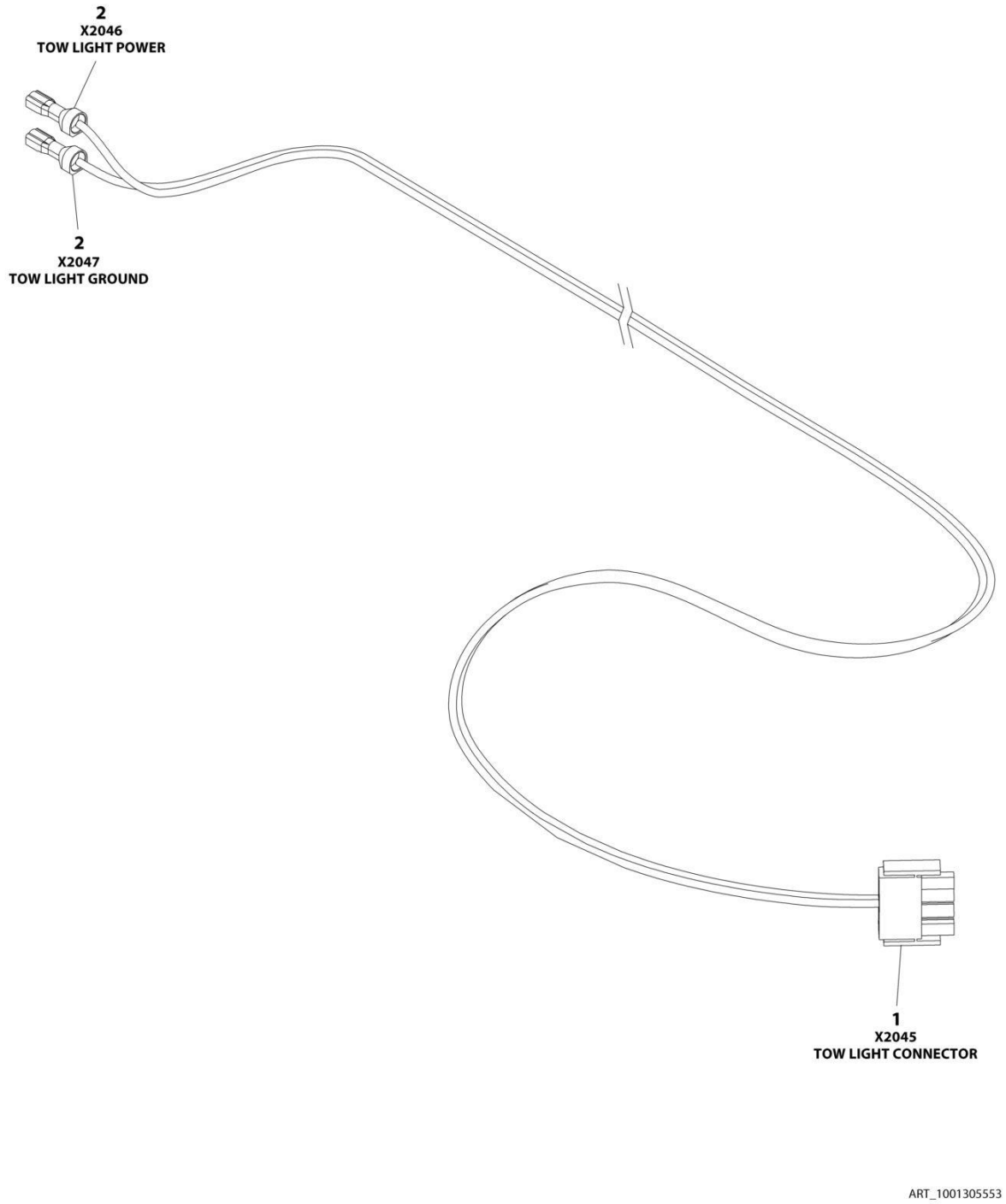


FIGURE 7-57. TOW LIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305553	Ref	TOW LIGHT HARNESS	C
1	4460321	1	Connector 4 Position	
1	4460267	2	Terminal	
1	1001249858	2	Plug, Terminal	
2	1001118379	2	Terminal	

FIGURE 7-58. TRAILER PLUG INSTALLATION - 7WAY

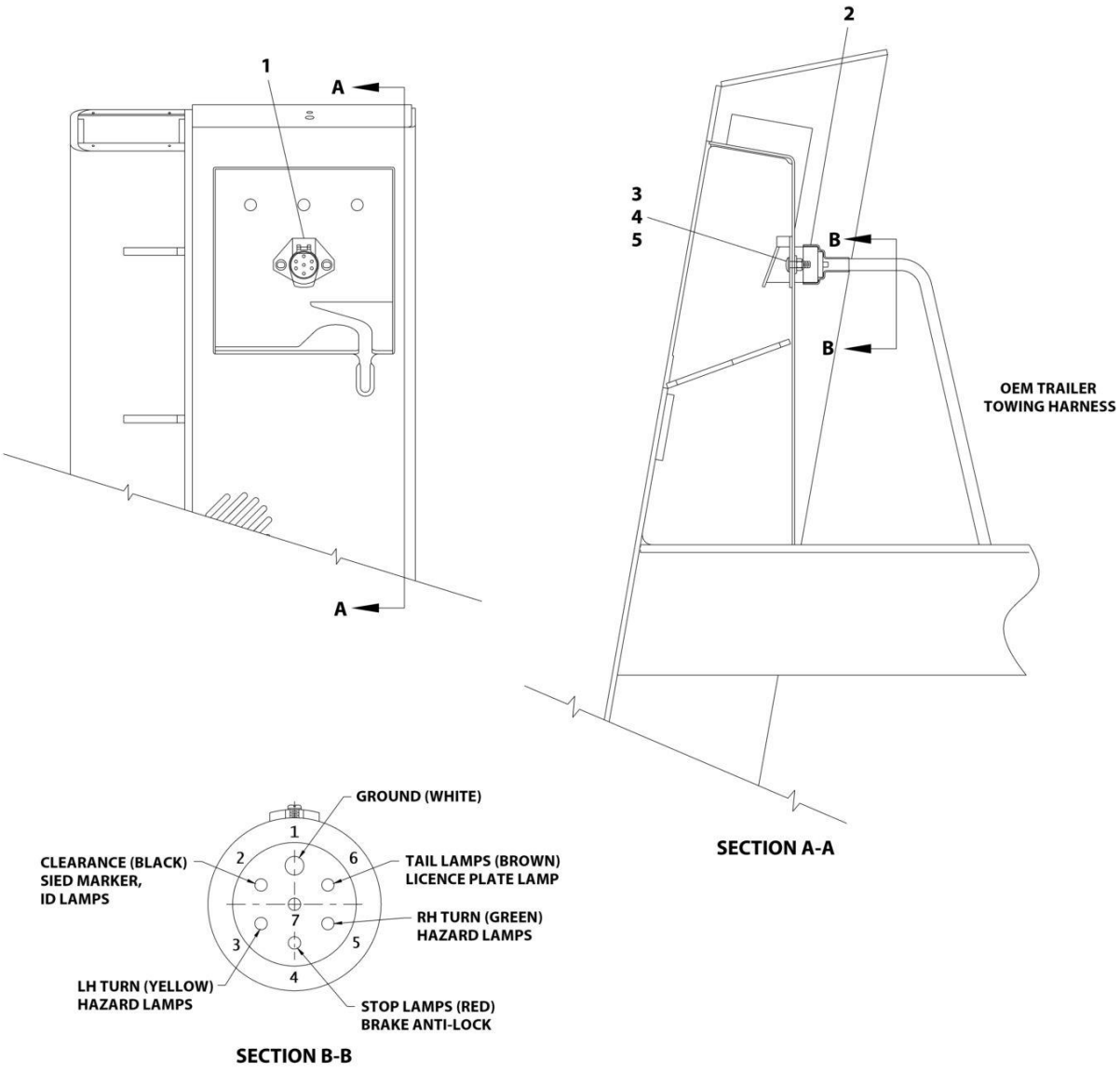


FIGURE 7-58. TRAILER PLUG INSTALLATION - 7WAY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2502330145	Ref	7 - Way Trailer Plug Installation	C
1	7346000055	1	7-Way Plug	
2	7346000078	1	7-Way Plug Boot	
3	7115151050	2	Capscrew 5/16 x 1-1/4	
4	7950150161	4	Washer 5/16	
5	7660152601	2	Nut 5/16	

FIGURE 7-59. TUNNEL HARNESS - MAIN (TALL TUNNEL)

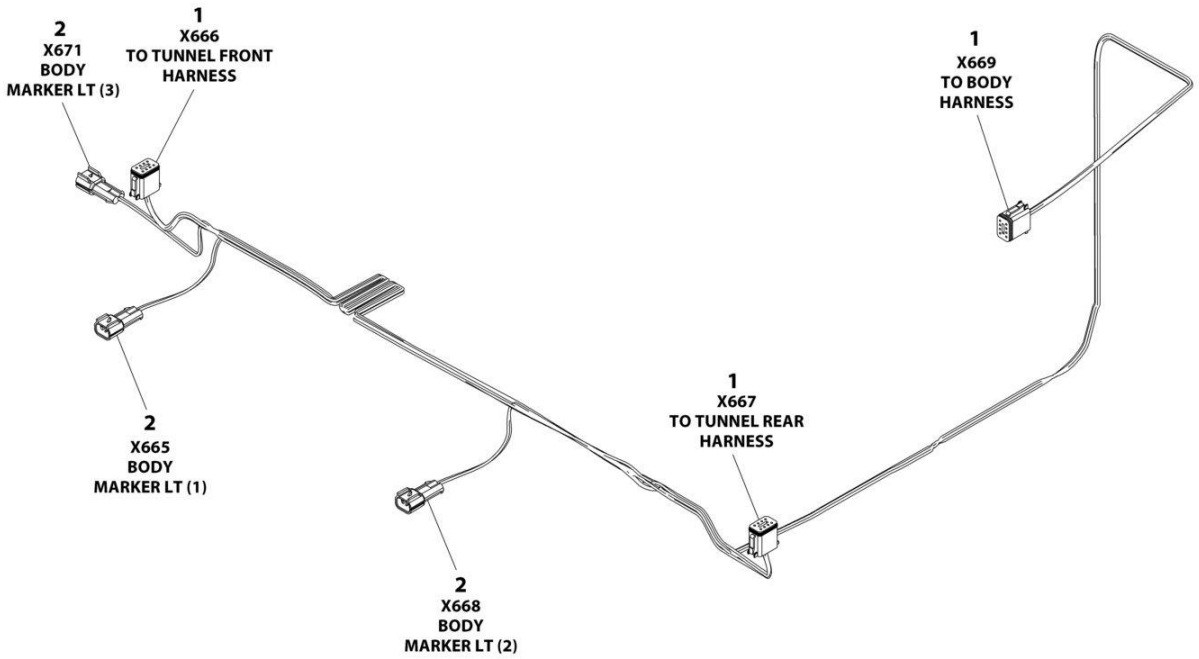


FIGURE 7-59. TUNNEL HARNESS - MAIN (TALL TUNNEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001321162	Ref	TUNNEL HARNESS - MAIN	A
1	4460930	3	Connector 8 Position	
1	4460465	12	Terminal	
1	4460466	12	Plug, Terminal	
2	1001177650	3	Connector 2 Position	
2	1001116745	6	Terminal	

FIGURE 7-60. TUNNEL HARNESS - MAIN (SHORT TUNNEL)

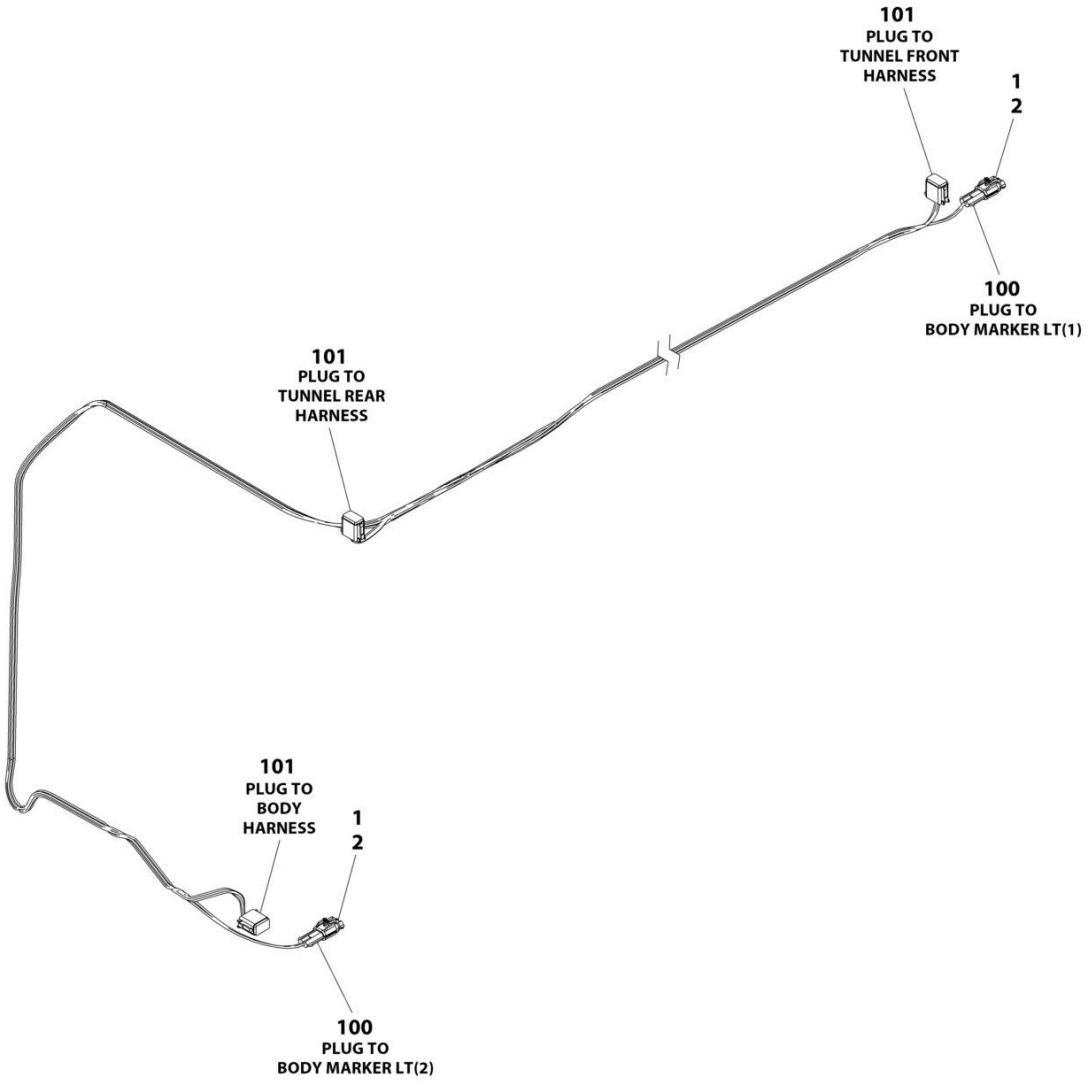


FIGURE 7-60. TUNNEL HARNESS - MAIN (SHORT TUNNEL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294087	Ref	TUNNEL HARNESS - MAIN	A
1	1001116727	4	Plug, Terminal	
2	1001117021	2	Connector	
100	1001117026	2	Connector	
100	1001116745	6	Terminal	
100	4460458	2	Seal	
101	4460930	3	Connector	
101	4460465	18	Terminal	
101	4460466	6	Plug, Terminal	

FIGURE 7-61. TUNNEL HARNESS - MAIN (56IN)

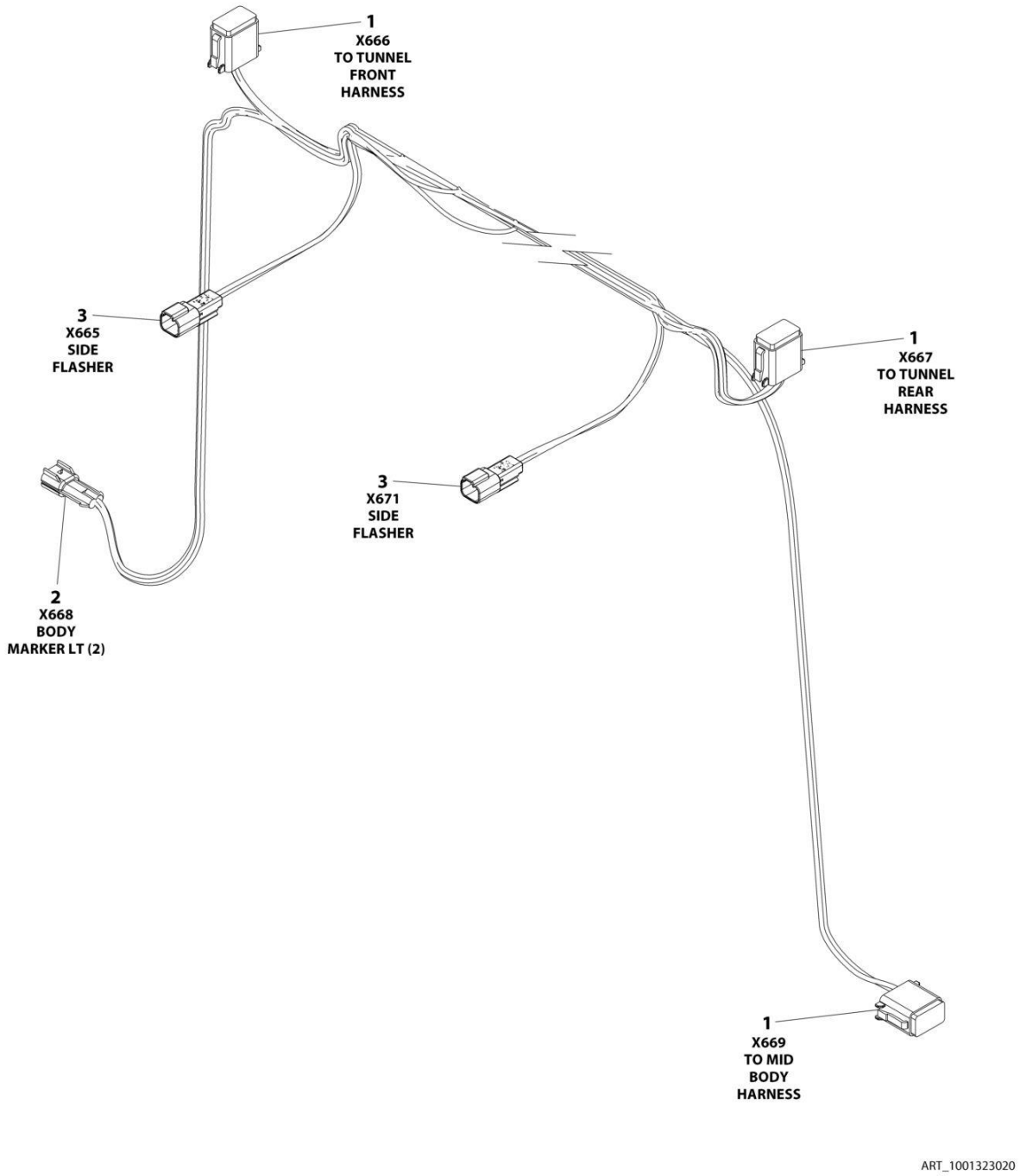


FIGURE 7-61. TUNNEL HARNESS - MAIN (56IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323020	Ref	MAIN TUNNEL HARNESS	A
1	4460930	3	Connector 8 Position	
1	4460465	14	Terminal	
1	4460466	10	Plug, Terminal	
2	1001117026	1	Connector 2 Position	
2	1001116729	2	Terminal	
3	4460897	2	Connector 2 Position	
3	4460464	4	Terminal	

FIGURE 7-62. TUNNEL HARNESS - REAR

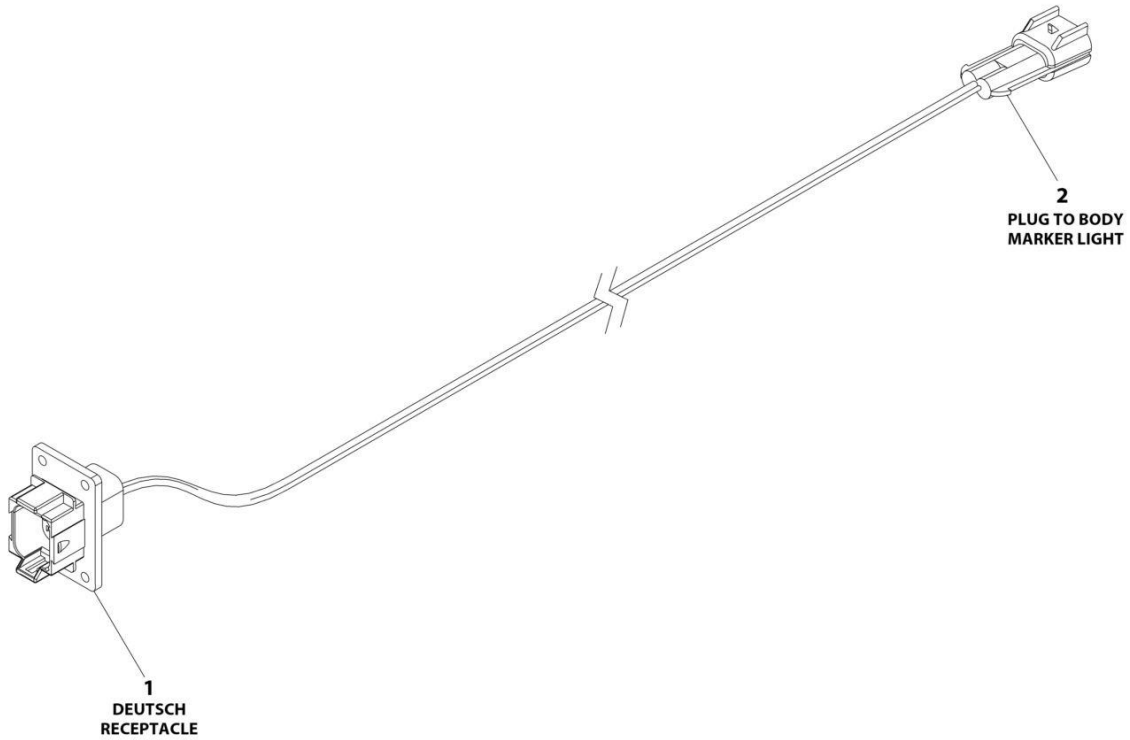


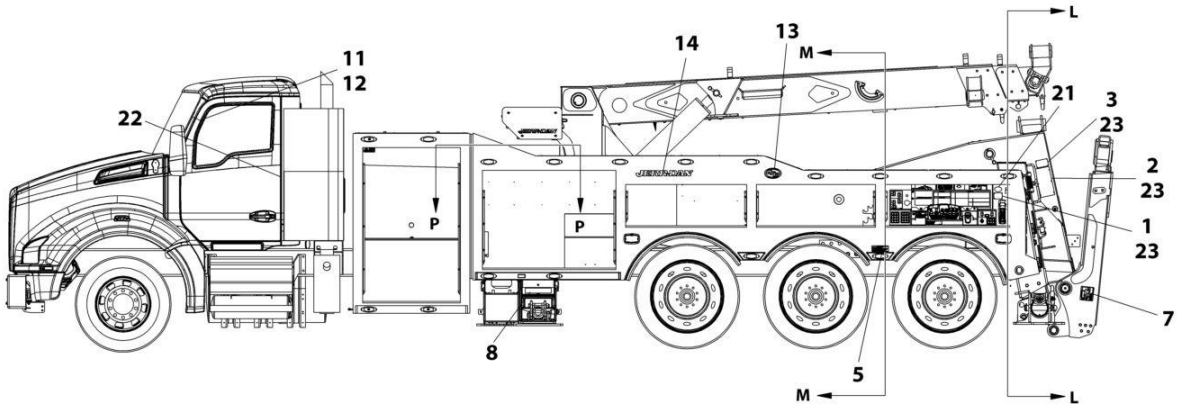
FIGURE 7-62. TUNNEL HARNESS - REAR

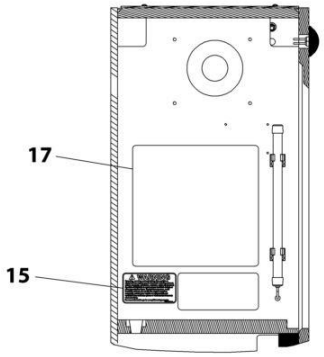
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230142	Ref	TUNNEL HARNESS - REAR	A
1	1001269275	1	Connector	
1	4640464	2	Socket	
1	4640466	4	Plug, Terminal	
1	NPN	1	Gasket	
2	1001117026	1	Connector	
2	1001116745	2	Terminal	
2	4640458	2	Seal	

SECTION 8 - DECAL

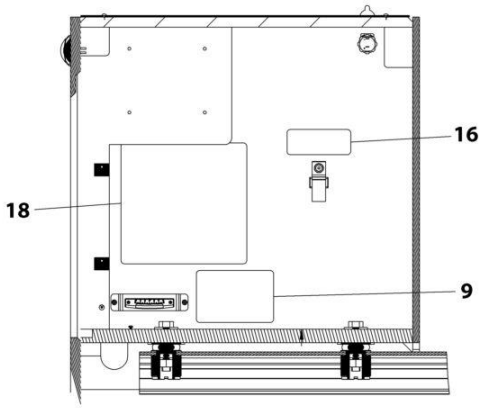
SECTION 8 - DECAL

FIGURE 8-1. DECAL INSTALLATION - COMMON

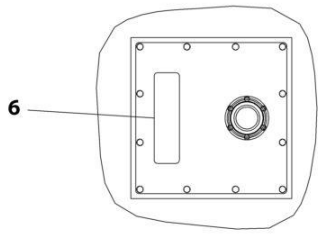




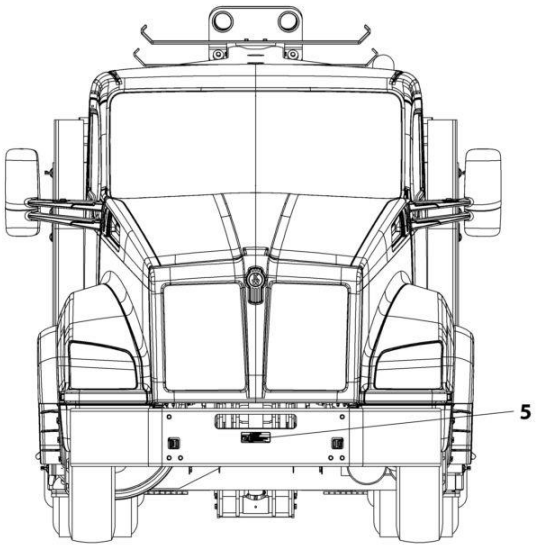
SECTION L-L



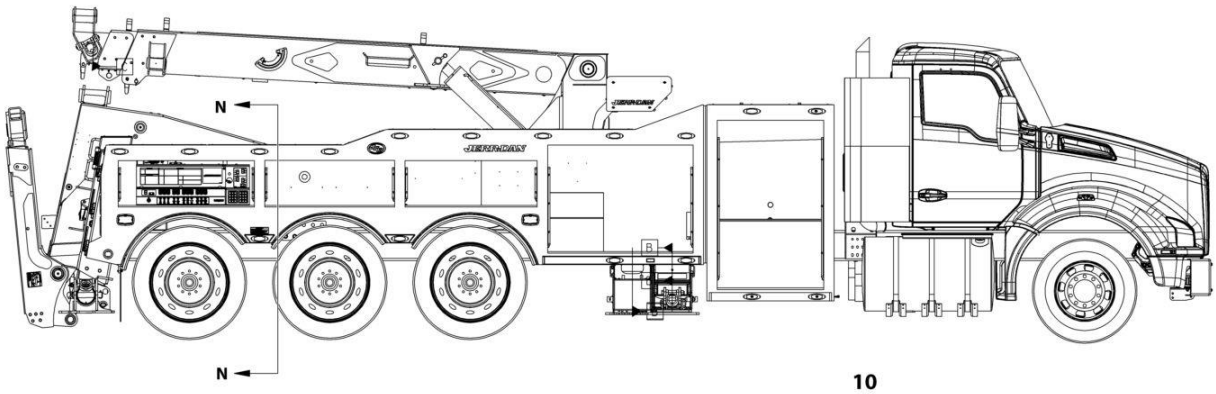
SECTION M-M

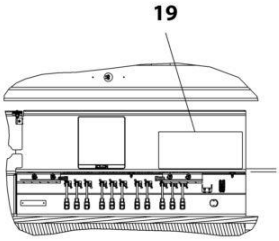


SECTION P-P

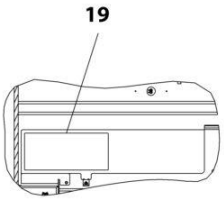


ART_1001303574_1OF2

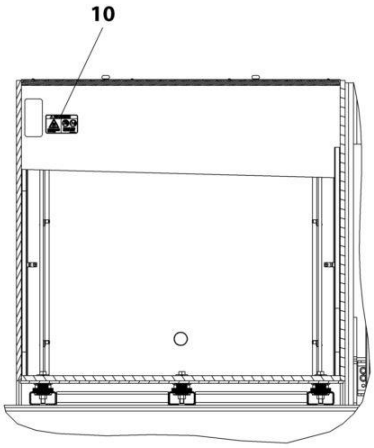




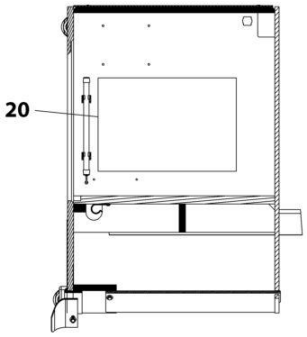
SECTION S-S



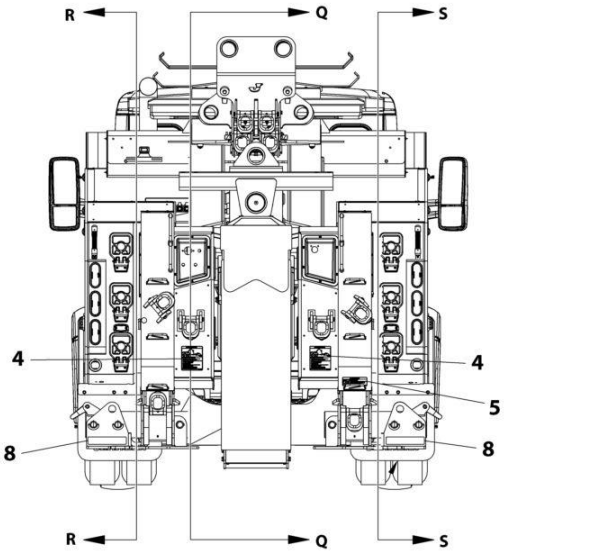
SECTION R-R



SECTION Q-Q



SECTION N-N



ART_1001303574_2OF2

SECTION 8 - DECAL

FIGURE 8-1. DECAL INSTALLATION - COMMON

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303574	Ref	DECAL INSTALLATION	A
1	1001127220	1	Decal, Indent Tag	
2	1001132242	1	Decal, Serial Placard HDR	
3	1001132346	1	Patent Placard	
4	1001136091	2	Decal, Towed Load Hazard	
5	1001136103	4	Decal, Electrocution Hazard	
6	1001136119	1	Decal, Hydraulic Fluid	
7	1001137169	2	Decal, Pinch Hazard	
8	1001137185	4	Decal, Outrigger/Spade Warning	
9	1001138537	2	Decal, Hook Notice	
10	1001138612	1	Decal, Battery Warning	
11	1001141227	1	Decal, Backing Hazard	
12	1001142828	1	Decal, Fall Hazard	
13	1001206364	2	Decal, JFB Badge	
14	1001206367	2	Decal, Jerr-Dan Logo	
15	1001231801	2	Decal, Warning	
16	1001232477	1	Decal, Charging Cable	
17	1001318858	2	Decal, Load Chart Rear	
18	1001318859	2	Decal, Load Chart Side	
19	1001319135	2	Decal, Electrical Panel	
20	1001319136	1	Decal, Lube Chart	
21	7330000143	1	Decal, Made in USA	
22	7330000689	1	Decal, Certification	
23	7759000004	14	Rivet	

SECTION 8 - DECAL

FIGURE 8-2. DECAL INSTALLATION - JERR-DAN LOGO (RED)

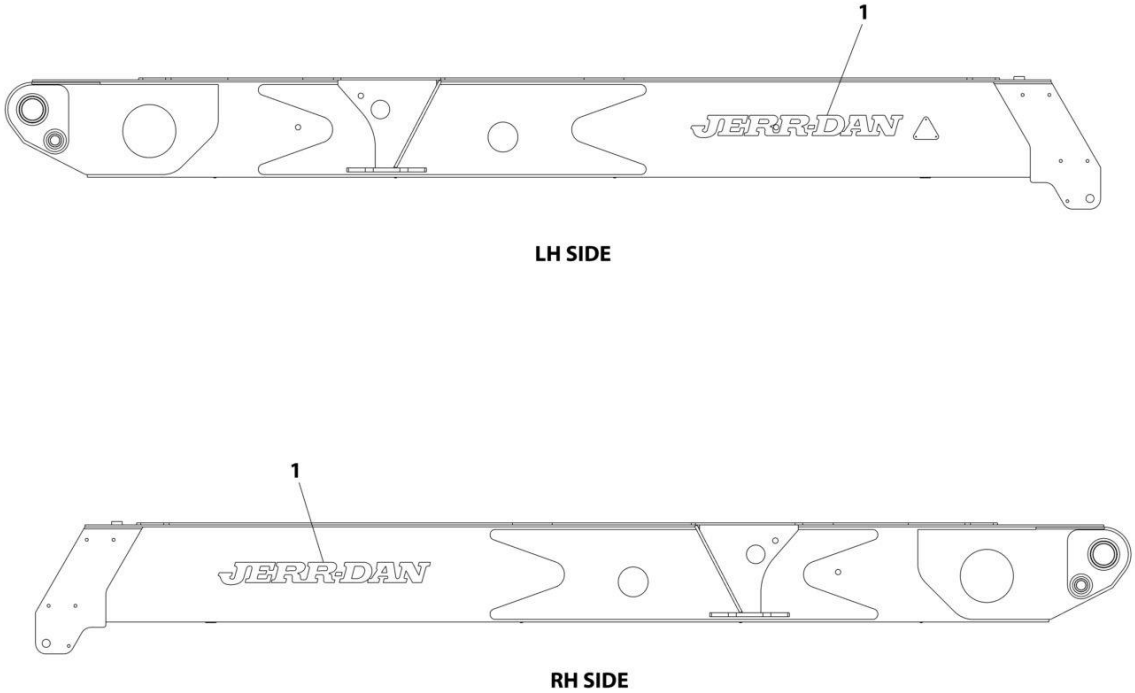


FIGURE 8-2. DECAL INSTALLATION - JERR-DAN LOGO (RED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142894	Ref	JERR-DAN RED LOGO INSTALLATION	E
1	1001234075	2	Decal, Jerr-Dan Red logo	

SECTION 8 - DECAL

FIGURE 8-3. DECAL INSTALLATION - JERR-DAN LOGO (WHITE)

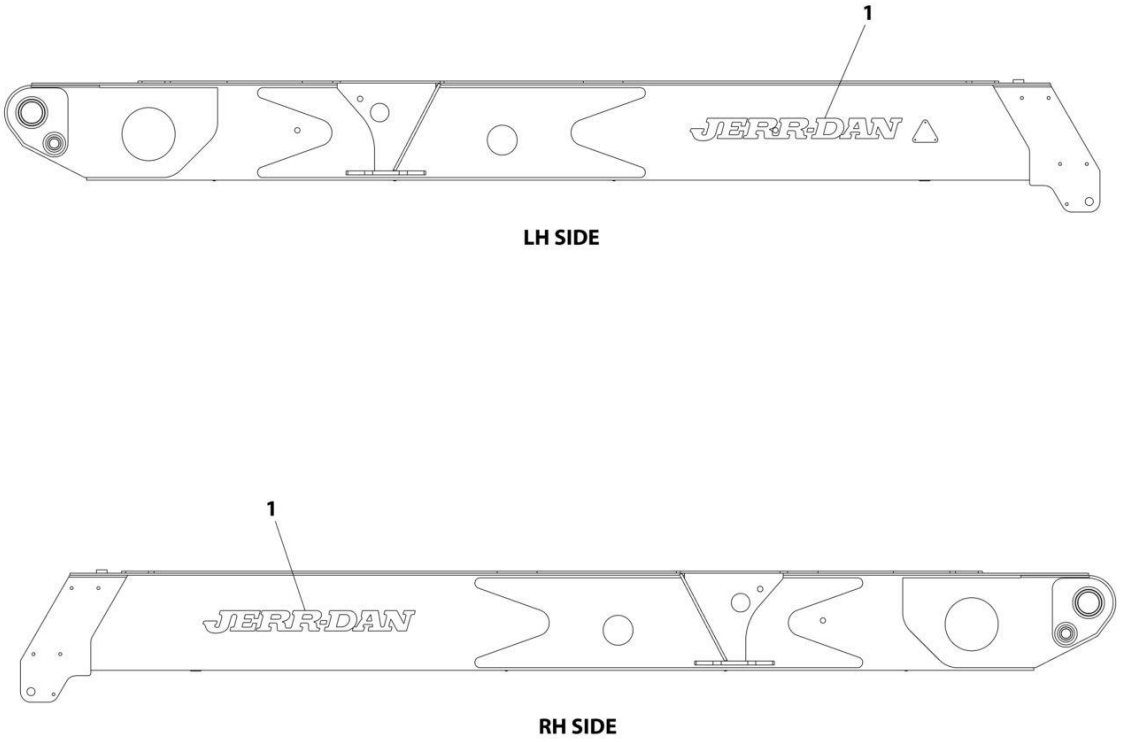


FIGURE 8-3. DECAL INSTALLATION - JERR-DAN LOGO (WHITE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001136696	Ref	JERR-DAN WHITE LOGO INSTALLATION	E
1	1001234076	2	Decal, Jerr-Dan White logo	

SECTION 9 - ACCESSORIES

SECTION 9 - ACCESSORIES

FIGURE 9-1. KITS LIST ROTATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241869	Ref	SERVICE & AFTERMARKET KITS LIST	J
		Ref	Note: Contact JERR-DAN Parts Department for exact contents of kits.:	
	1001262572	Ref	Kit, Chain Broad (Slide Out)	
	1001170845	Ref	Kit, Drawer Storage - Tool	
	1001182773	Ref	Kit, Drawer Storage - Tool	
	1001263856	Ref	Kit, Fork Riser (Frame) Storage (Single Steer)	
	1001263857	Ref	Kit, Fork Riser (Frame) Storage (5 Axle)	
	1001263858	Ref	Kit, Fork Riser (Frame) Storage (Twin Steer)	
	1001269884	Ref	Kit, Fork Velocity	
	1001297622	Ref	Kit, Scanreco Prop	
	1001263822	Ref	Kit, Shelf	
	1001251199	Ref	Kit, Spreader Bar Storage (Body)	
	1001251207	Ref	Kit, Spreader Bar Storage (Tunnel)	
	1001251215	Ref	Kit, Spreader Bar Storage (End Storage)	
	1001295192	Ref	Kit, Spreader Bar Round Sling	
	1001238159	Ref	Kit, Winch Drag Brake (50K DP Brand Winches)	
	1001297901	Ref	Kit, Valve Shim	

FIGURE 9-2. AIR, EMERGENCY AND SERVICE GLAD HANDS

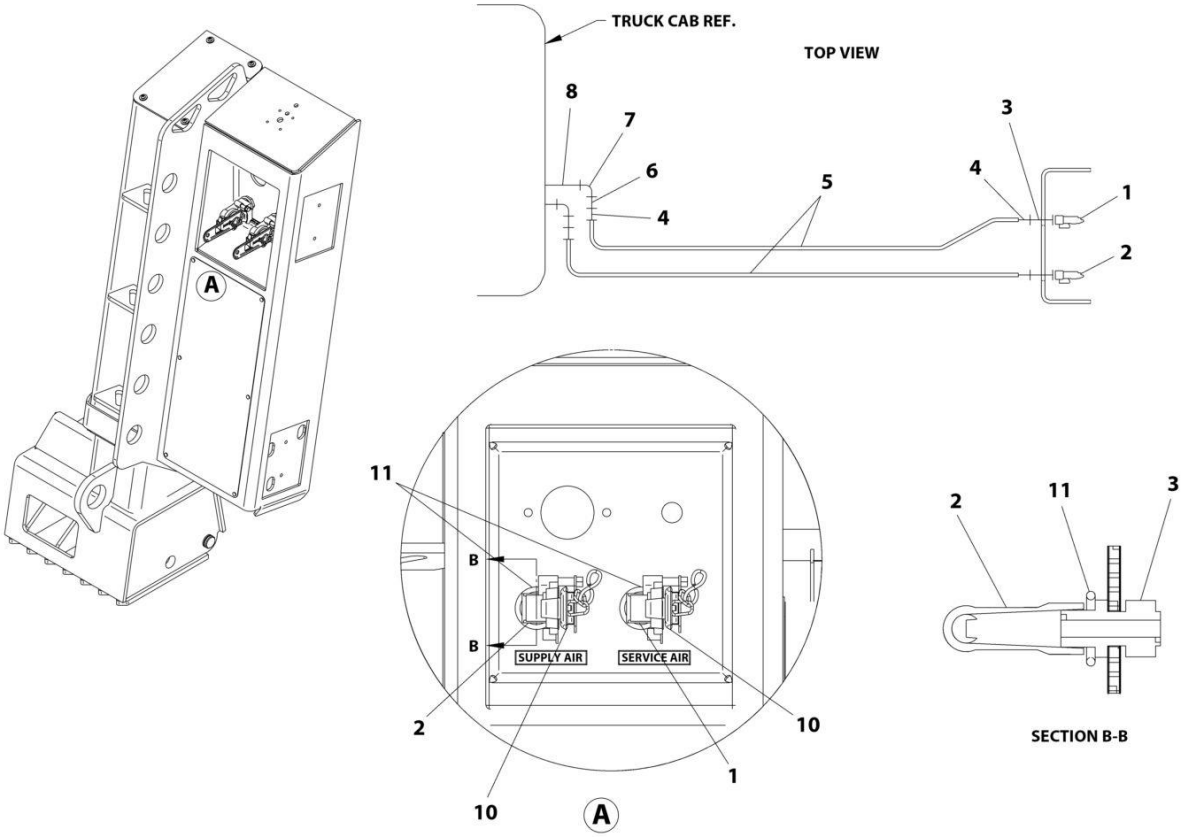


FIGURE 9-2. AIR, EMERGENCY AND SERVICE GLAD HANDS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2503630028	Ref	Air, Emergency and Service Glad Hands	F
1	7312000015	1	Gladhand	
2	7312000016	1	Gladhand	
3	7446502518	2	Fitting	
4	7446060435	4	Fitting	
5	7565000014	50 ft	Airline Tubing	
6	7443000148	2	Bushing	
7	7443000146	2	Elbow	
8	7443000145	2	Bushing	
10	1001170036	2	Shield	
11	1001171933	2	Ring	
12	7445040449	1	Nipple (Not Shown)	

FIGURE 9-3. FIFTH WHEEL TOW ATTACHMENT

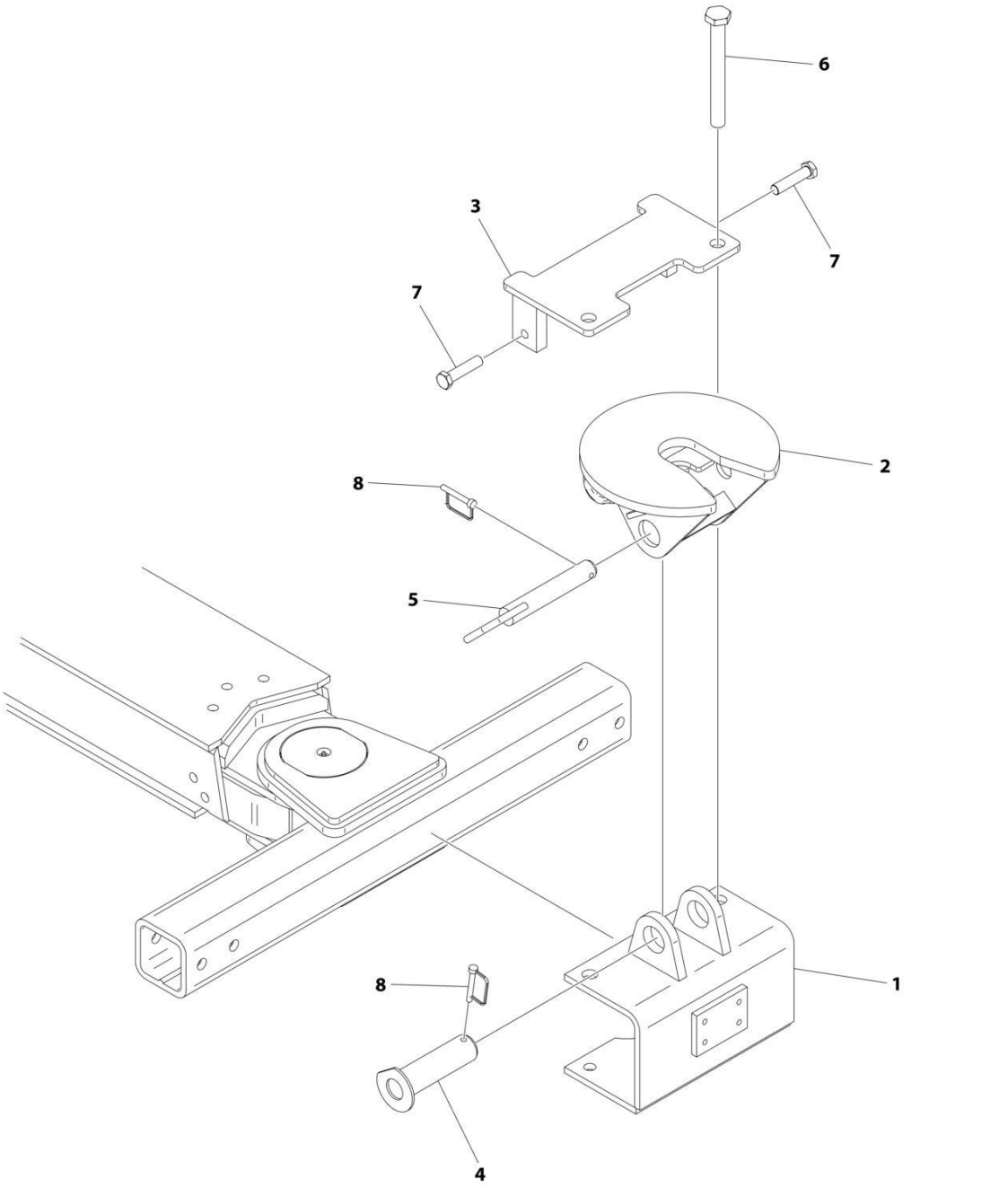
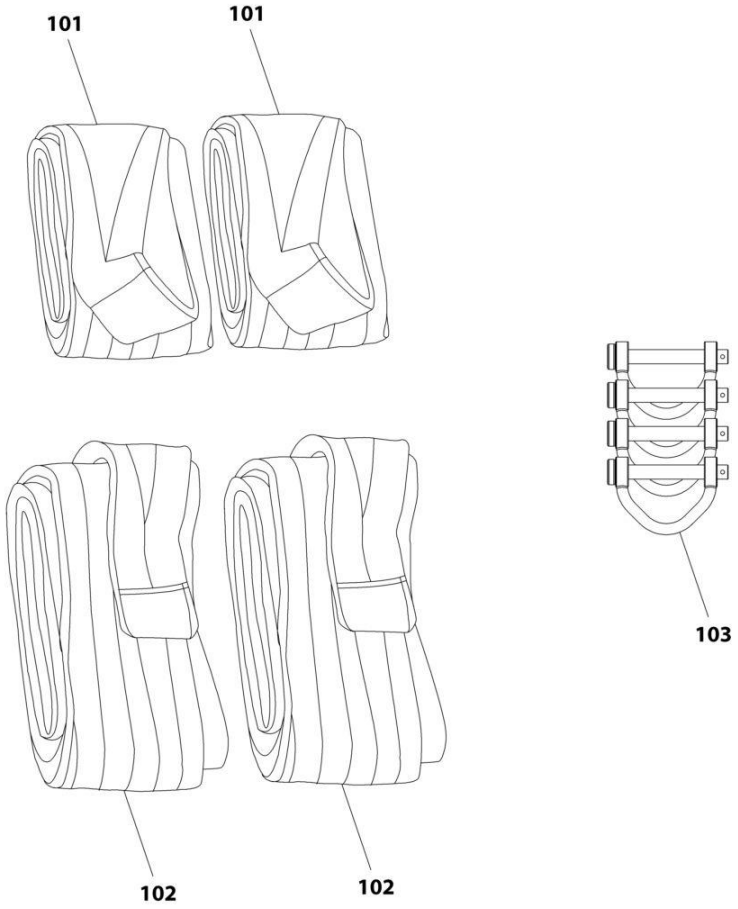


FIGURE 9-3. FIFTH WHEEL TOW ATTACHMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2503880033	Ref	Underlift Tools - 5th Wheel Installation	C
1	3178000240	1	Bracket	
2	3178000499	1	Bracket	
3	3706000080	1	Plate	
4	3691000144	1	Pin	
5	3691000145	1	Pin	
6	7118267250	2	Capscrew 1 x 9	
7	7120000036	2	Capscrew 3/4 x 3-1/4	
8	7691000025	2	Pin	

FIGURE 9-4. FLAT RECOVERY STRAP KIT

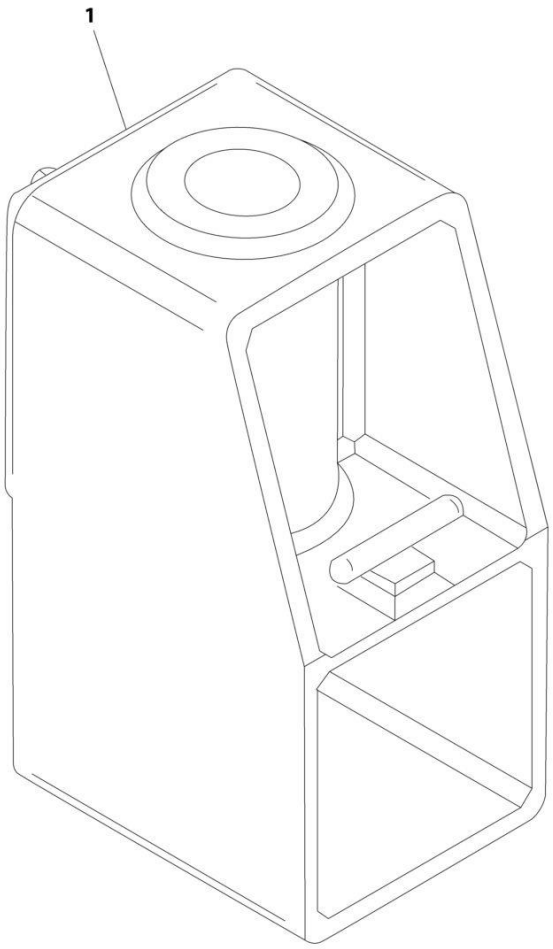


ART_1001323724

FIGURE 9-4. FLAT RECOVERY STRAP KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323724	Ref	FLAT RECOVERY STRAP KIT	A
1	1001323738	1	Flat Recovery Straps (Not Shown)	
101	Kit	2	Recovery Strap, 16FT	
102	Kit	2	Recovery Strap, 26FT	
103	Kit	4	Web Shackle, 6IN	

FIGURE 9-5. FORK RISER ADAPTERS

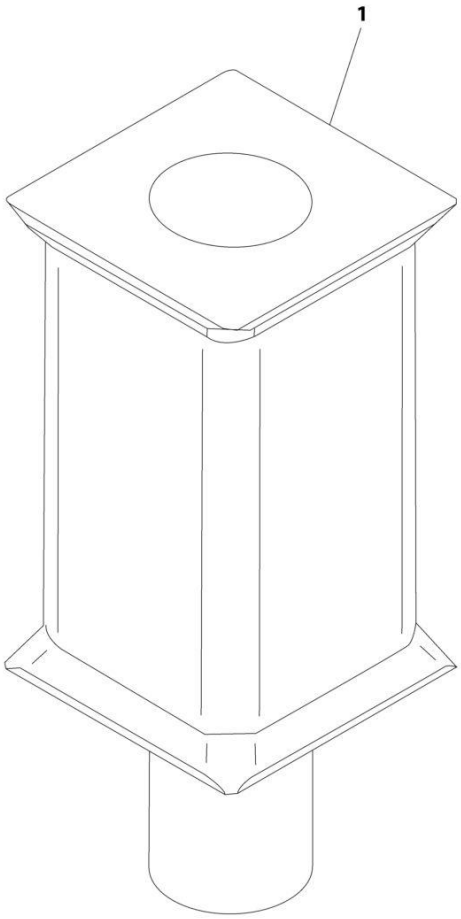


ART_1001231626

FIGURE 9-5. FORK RISER ADAPTERS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231626	Ref	FORK RISER ADAPTER - 7IN	A
1	1001170172	2	Accessory Fork Riser	

FIGURE 9-6. FORK RISERS - 7IN

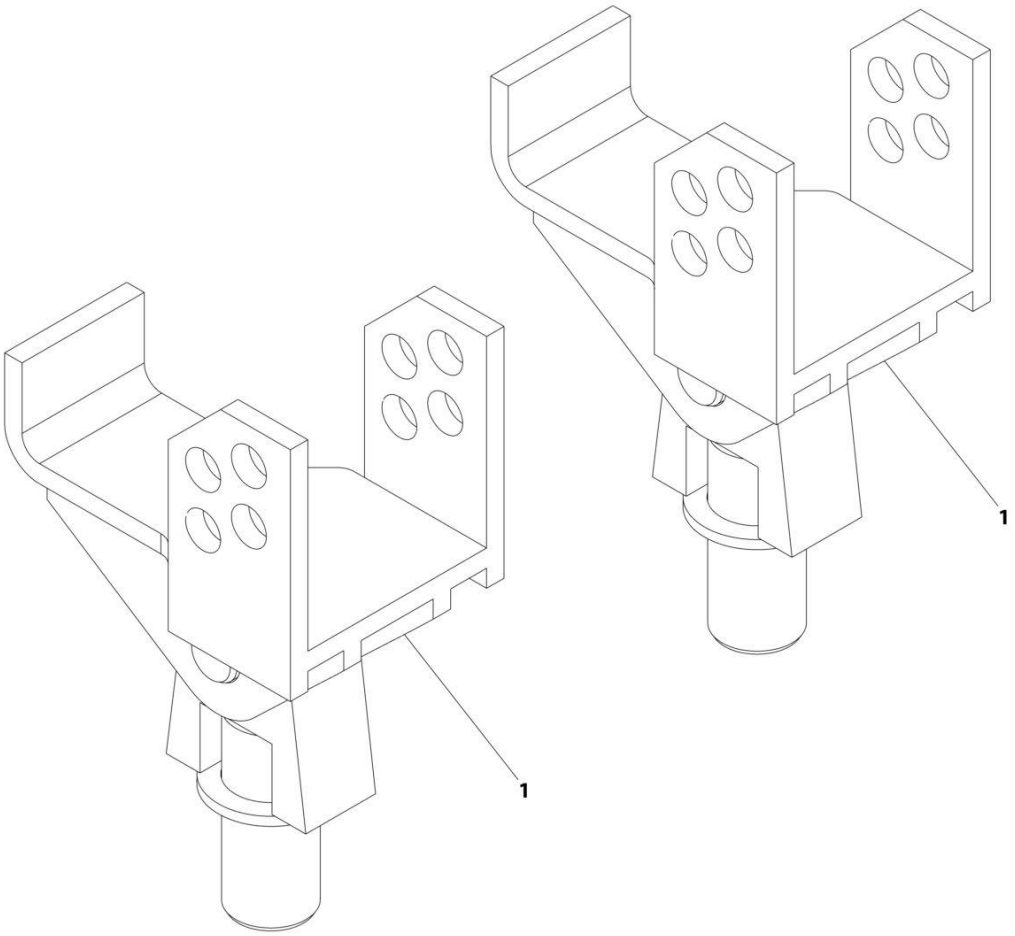


ART_1001231627

FIGURE 9-6. FORK RISERS - 7IN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231627	Ref	FORK RISER - 7IN	A
1	7002000502	2	Fork Riser Attachment	

FIGURE 9-7. FRAME FORK INSTALLATION (SPRING FORKS)



ART_1001289478

FIGURE 9-7. FRAME FORK INSTALLATION (SPRING FORKS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289478	Ref	FRAME FORK INSTALLATION (SPRING FORKS)	A
1	3178000226	2	Spring Lift Bracket	

FIGURE 9-8. HEAVY DUTY CHAIN KIT, LEVEL 1

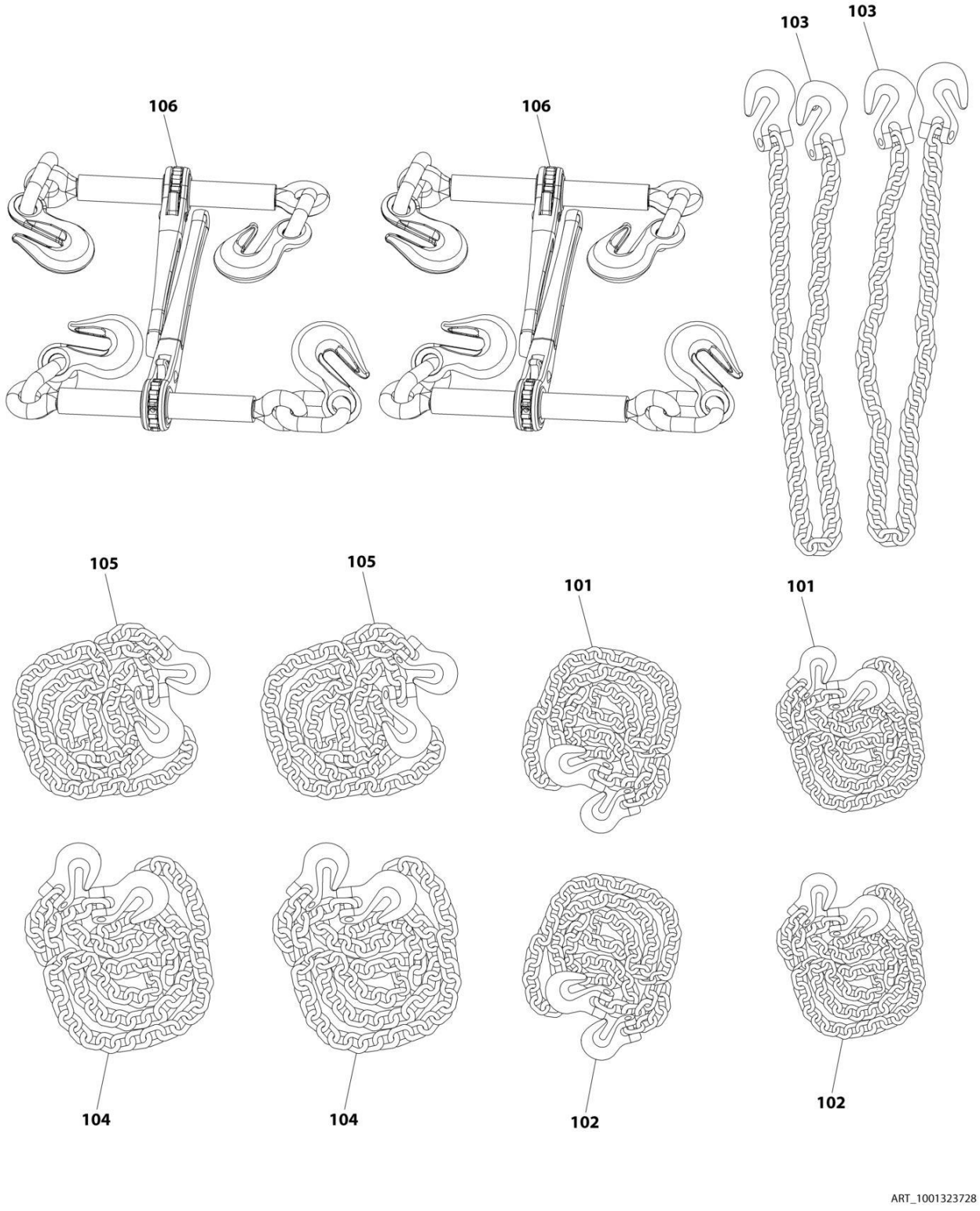


FIGURE 9-8. HEAVY DUTY CHAIN KIT, LEVEL 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323728	Ref	CHAIN KIT, LEVEL 1 (HEAVY DUTY)	A
1	1001323742	1	Chain Kit (Not Shown)	
101	Kit	2	3/8IN Chain, 10FT (non cradle grab), GR. 70	
102	Kit	2	3/8IN Chain, 20FT (non cradle grab), GR. 70	
103	Kit	2	3/8IN Chain, 10FT (non cradle grab), GR. 100	
104	Kit	2	1/2IN Chain, 10FT (non cradle grab), GR. 100	
105	Kit	2	1/2IN Chain, 20FT (non cradle grab), GR. 100	
106	Kit	4	Ratcheting Chain Binders	

FIGURE 9-9. HEAVY DUTY CHAIN KIT, LEVEL 2

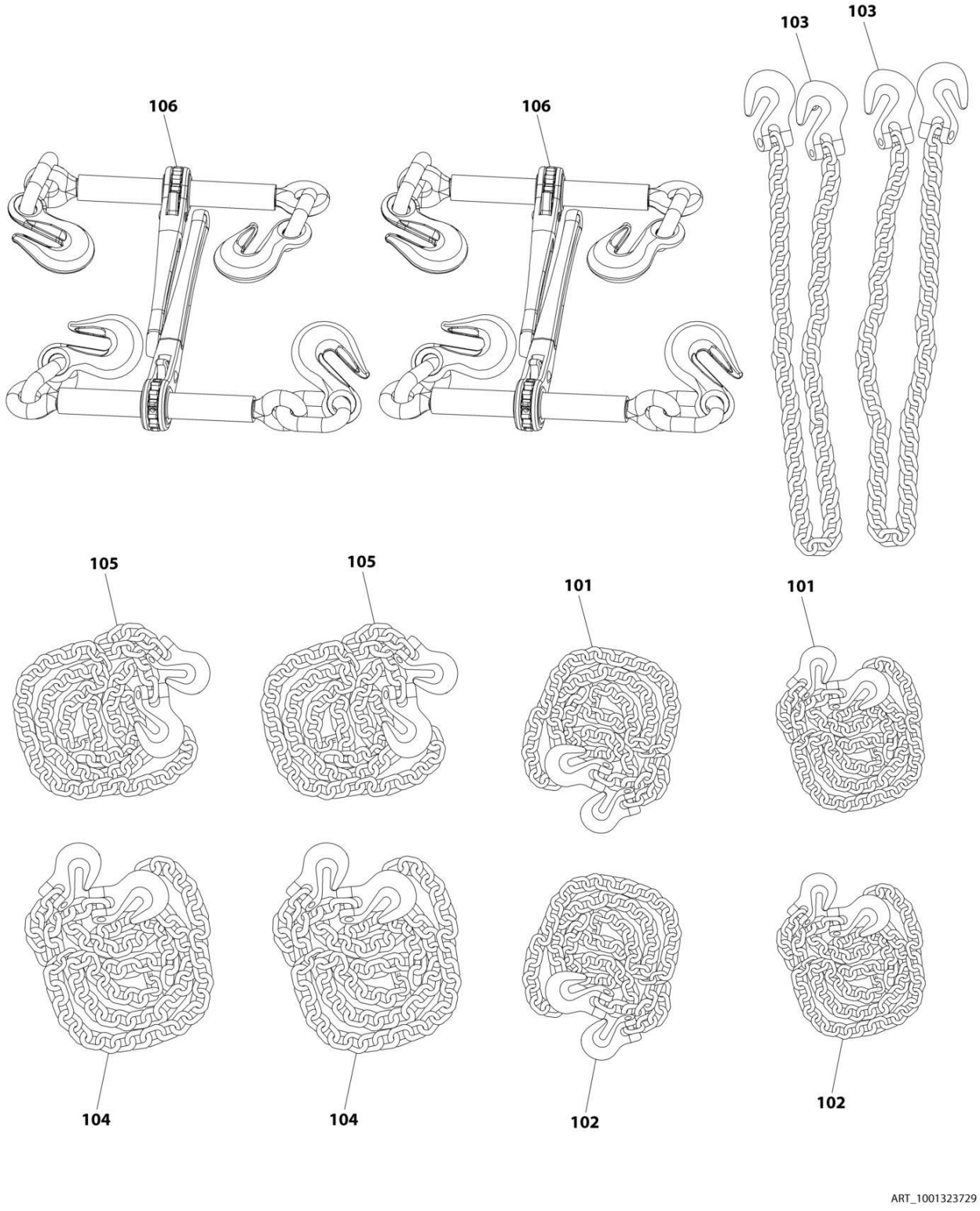


FIGURE 9-9. HEAVY DUTY CHAIN KIT, LEVEL 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323729	Ref	CHAIN KIT, LEVEL 2 (HEAVY DUTY)	A
1	1001323743	1	Chain Kit (Not Shown)	
101	Kit	2	3/8IN Chain, 10FT (non cradle grab), GR. 70	
102	Kit	2	3/8IN Chain, 20FT (non cradle grab), GR. 70	
103	Kit	2	3/8IN Chain, 10FT (non cradle grab), GR. 100	
104	Kit	2	1/2IN Chain, 10FT (non cradle grab), GR. 100	
105	Kit	2	1/2IN Chain, 20FT (non cradle grab), GR. 100	
106	Kit	4	Ratcheting Chain Binders	
107	Kit	2	Bridle Chain Sling (Not Shown)	
108	Kit	2	Oblong Hook Chain (Not Shown)	

FIGURE 9-10. LOOP SLING KIT, LEVEL 1

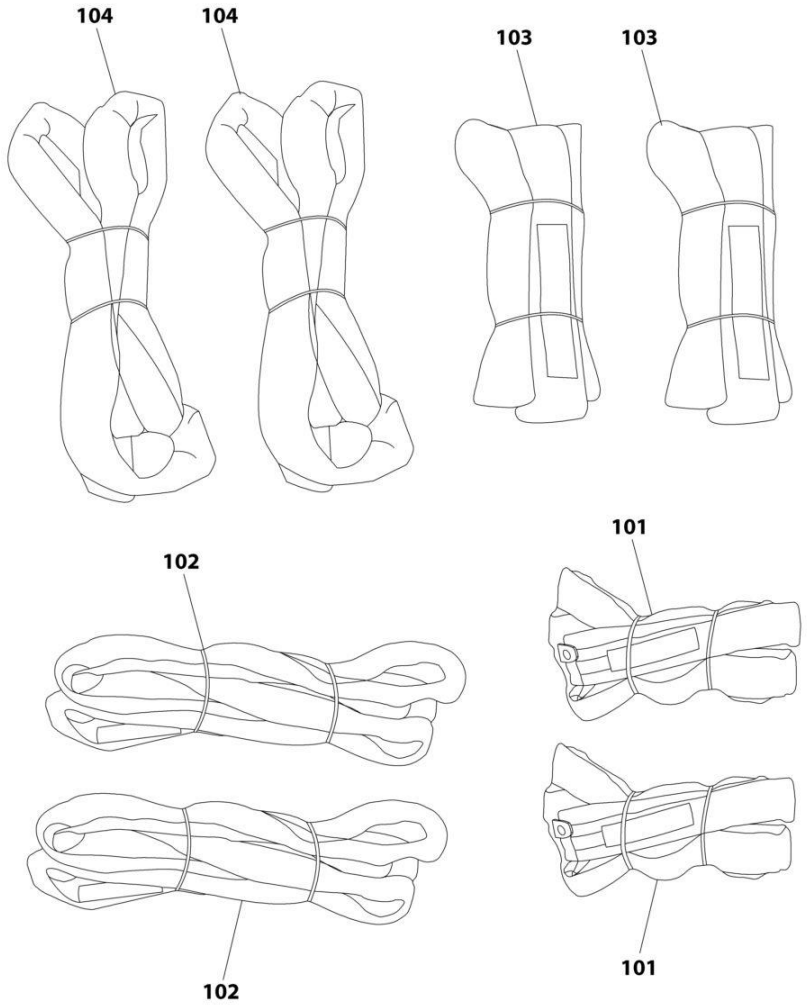


FIGURE 9-10. LOOP SLING KIT, LEVEL 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323725	Ref	LOOP SLING KIT, LEVEL 1	A
1	1001323739	1	Loop Sling Kit (Not Shown)	
101	Kit	2	4FT Yellow Round Sling	
102	Kit	2	6FT Yellow Round Sling	
103	Kit	2	8FT Red Round Sling	
104	Kit	2	12FT Red Round Sling	
105	Kit	2	Cover (Not Shown)	

FIGURE 9-11. LOOP SLING KIT, LEVEL 2

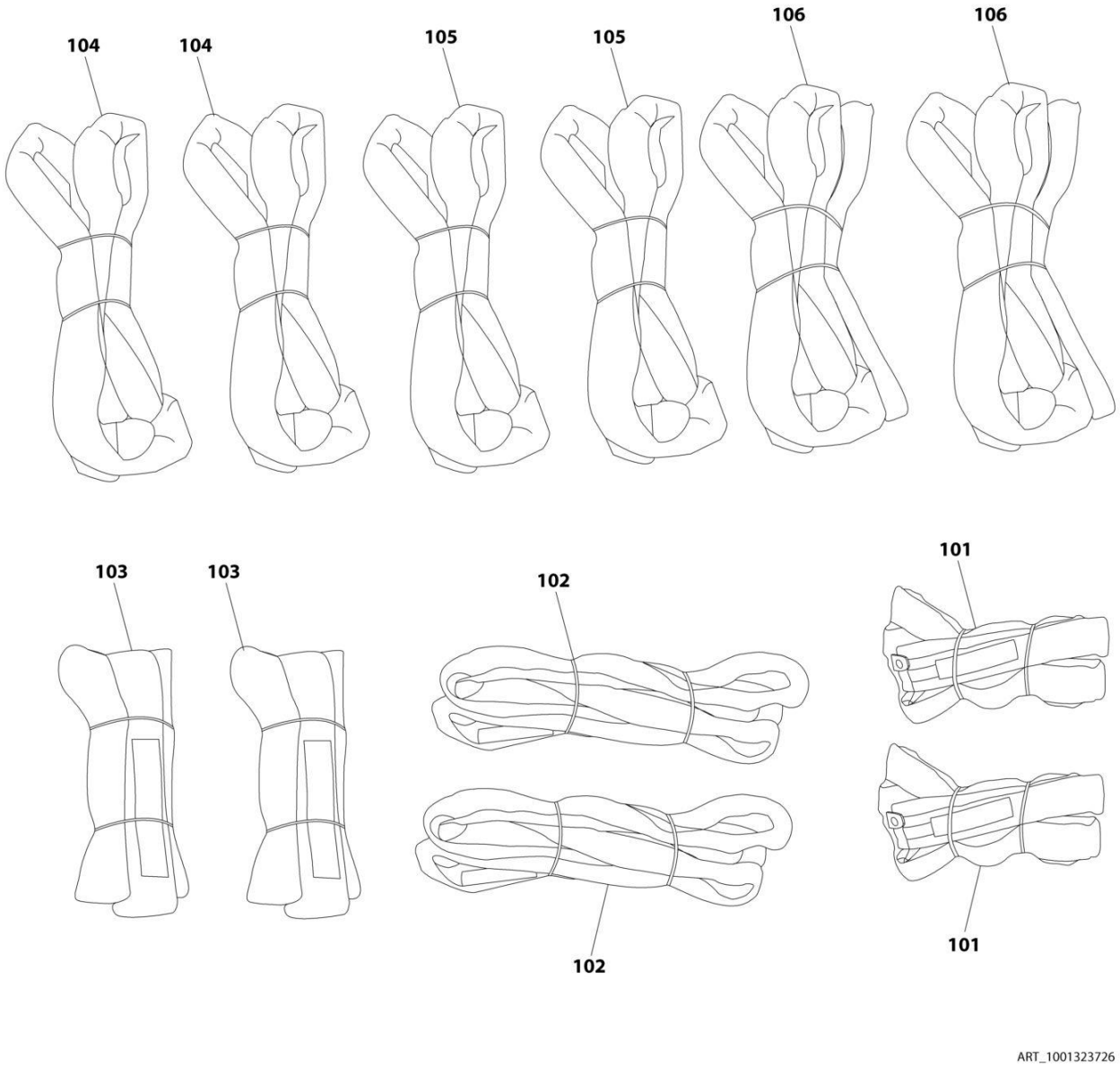


FIGURE 9-11. LOOP SLING KIT, LEVEL 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323726	Ref	LOOP SLING KIT, LEVEL 2	A
1	1001323740	1	Loop Sling Kit (Not Shown)	
101	Kit	2	4FT Yellow Round Sling	
102	Kit	2	6FT Yellow Round Sling	
103	Kit	2	8FT Red Round Sling	
104	Kit	2	12FT Red Round Sling	
105	Kit	2	12FT Blue Round Sling	
106	Kit	2	16FT Blue Round Sling	
107	Kit	4	Cover (Not Shown)	

FIGURE 9-12. LOOP SLING KIT, LEVEL 3

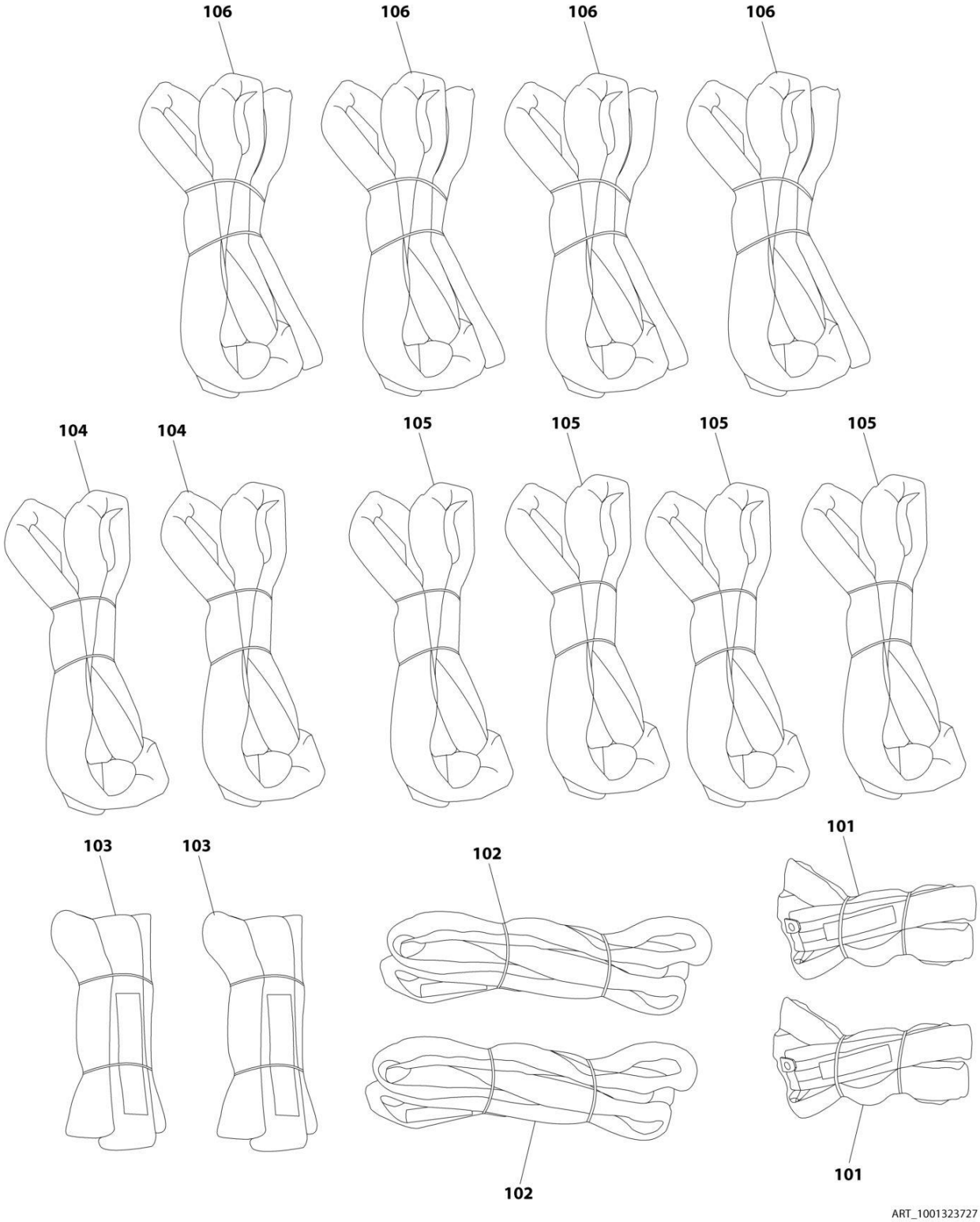


FIGURE 9-12. LOOP SLING KIT, LEVEL 3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323727	Ref	LOOP SLING KIT, LEVEL 3	A
1	1001323741	1	Loop Sling Kit (Not Shown)	
101	Kit	2	4FT Yellow Round Sling	
102	Kit	2	6FT Yellow Round Sling	
103	Kit	2	8FT Red Round Sling	
104	Kit	2	12FT Red Round Sling	
105	Kit	4	12FT Blue Round Sling	
106	Kit	4	16FT Blue Round Sling	
107	Kit	8	Cover (Not Shown)	

FIGURE 9-13. PINTLE HOOK WITH 2IN BALL

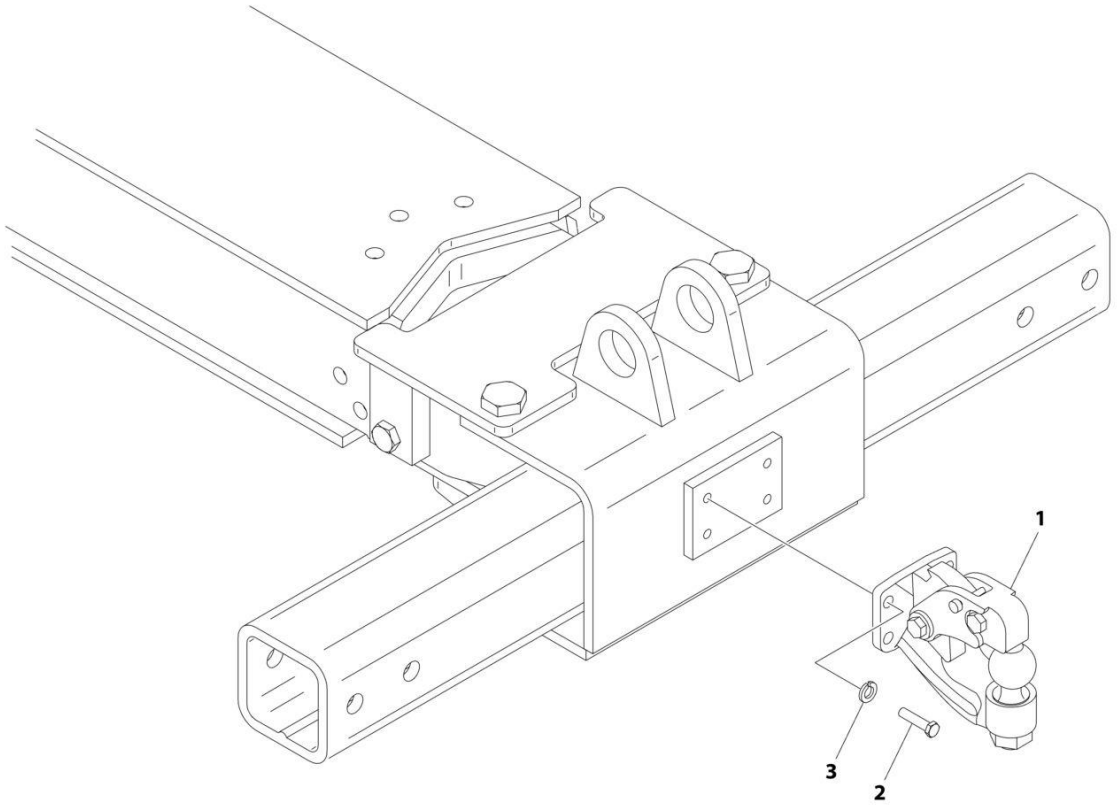
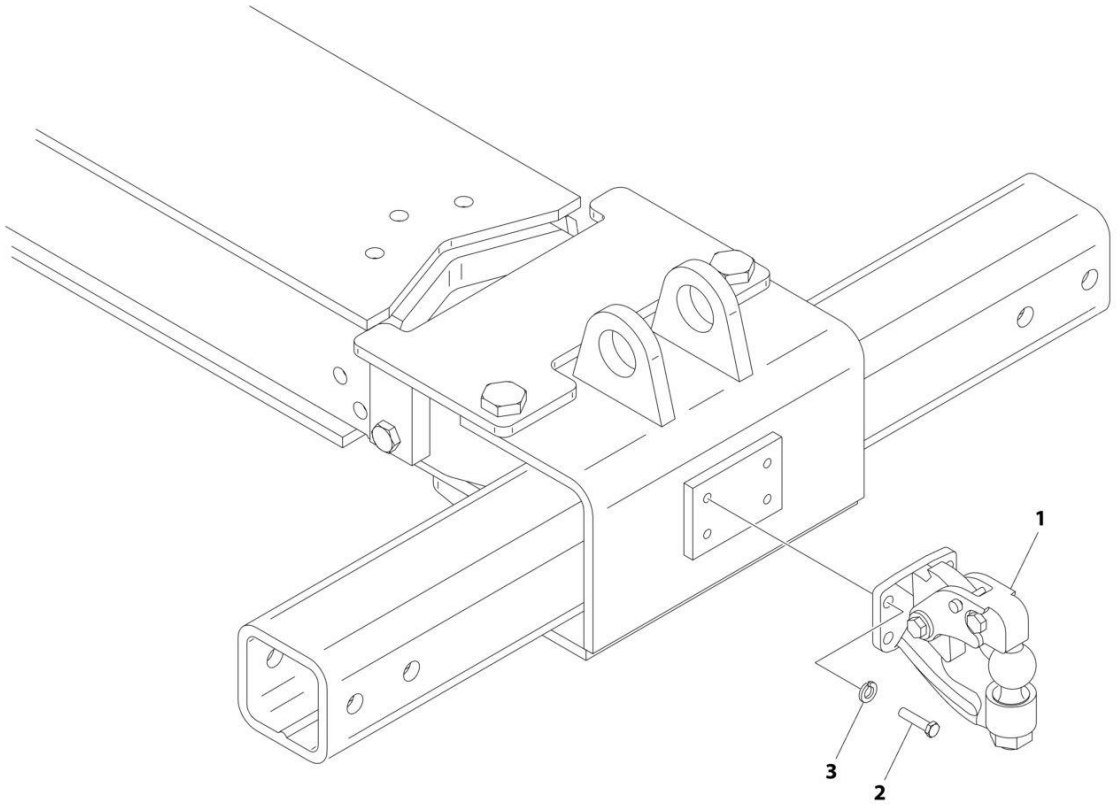


FIGURE 9-13. PINTLE HOOK WITH 2IN BALL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2503880043	Ref	UNDERLIFT TOW PINTLE HOOK WITH 2IN DIA BALL	A
1	7561000020	1	Hitch, Pintle Hook with 2IN Dia. Ball	
2	7118181250	4	Capscrew 1/2 x 1-1/2	
3	7950180000	4	Lockwasher 1/2	

FIGURE 9-14. PINTLE HOOK WITH 50MM BALL

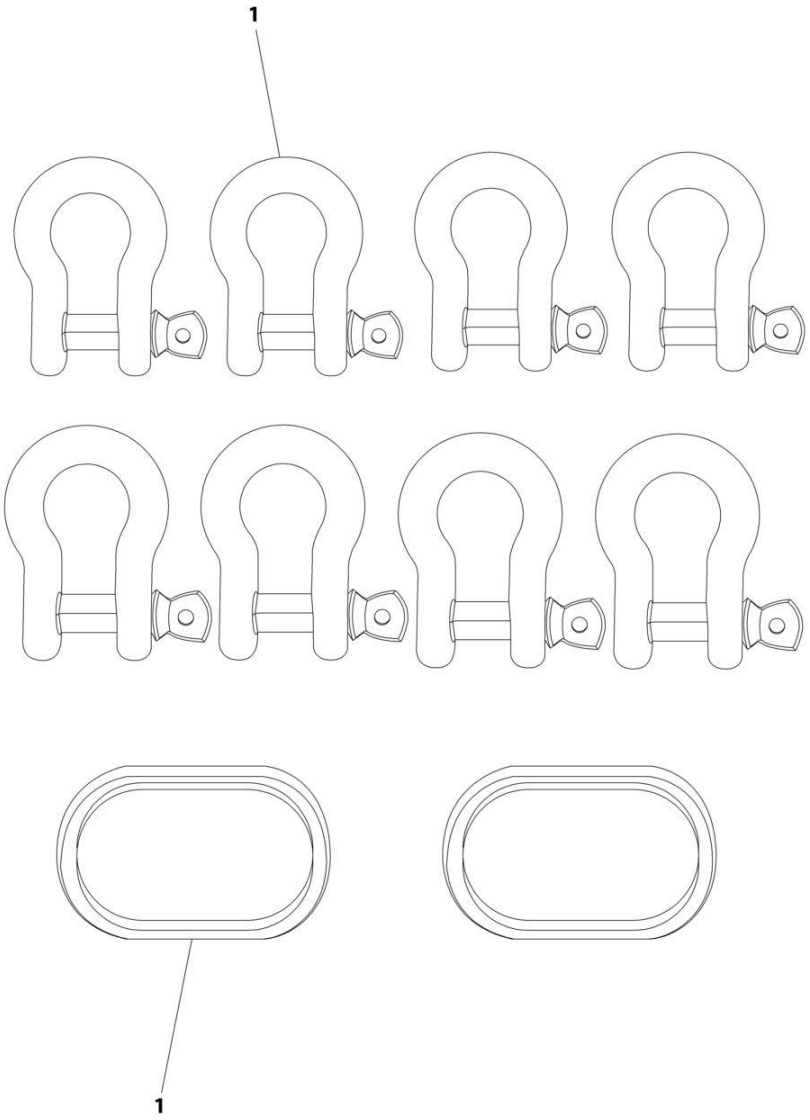


ART_2503880044

FIGURE 9-14. PINTLE HOOK WITH 50MM BALL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2503880044	Ref	Underlift Tools - Pintle Hook With 50mm Dia Ball	A
1	7561000022	1	Hitch, Pintle Hook with 50mm Dia. Ball	
2	7118181250	4	Capscrew 1/2 x 1-1/2	
3	7950180000	4	Lockwasher 1/2	

FIGURE 9-15. SHACKLE KIT, LEVEL 1



ART_1001323730

FIGURE 9-15. SHACKLE KIT, LEVEL 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323730	Ref	SHACKLE KIT, LEVEL 1	A
1	1001323744	1	Shackle Kit	
1	Kit	2	Screw Pin Shackle, 7/8 Pin	
1	Kit	2	Screw Pin Shackle, 1-1/8 Pin	
1	Kit	2	Screw Pin Shackle, 1-3/8 Pin	
1	Kit	2	Master Link, 7/8 Pin	

FIGURE 9-16. SHACKLE KIT, LEVEL 2

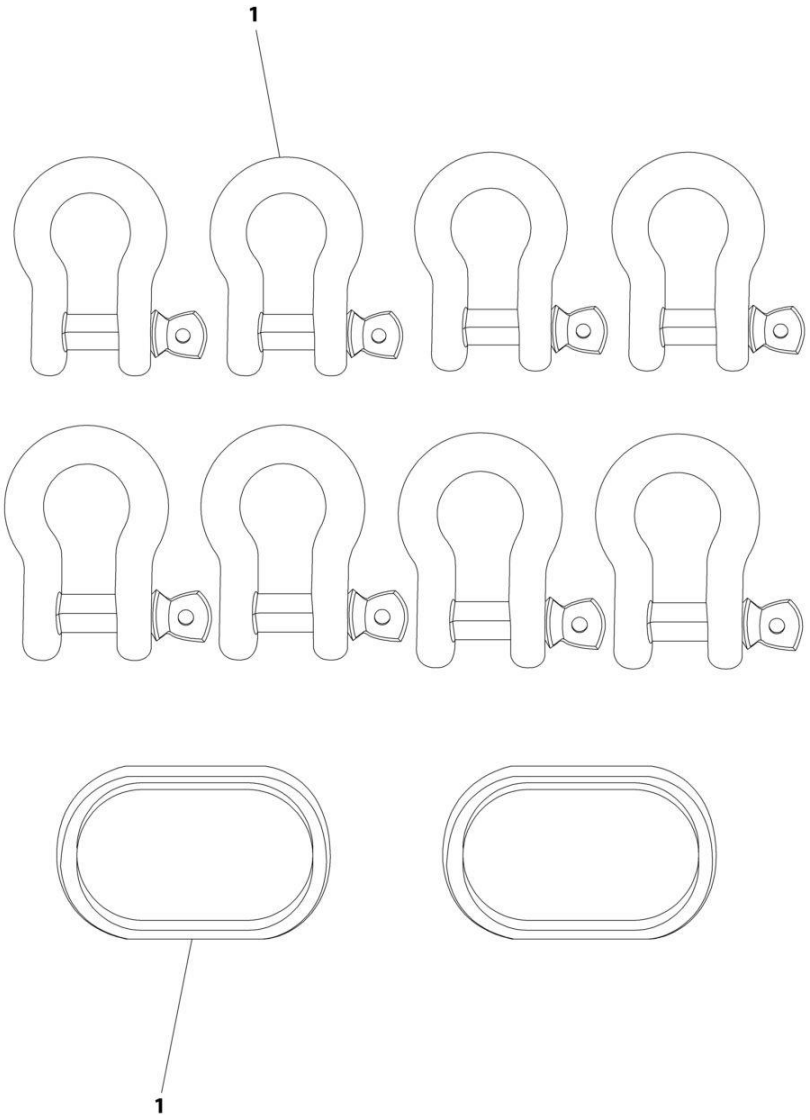
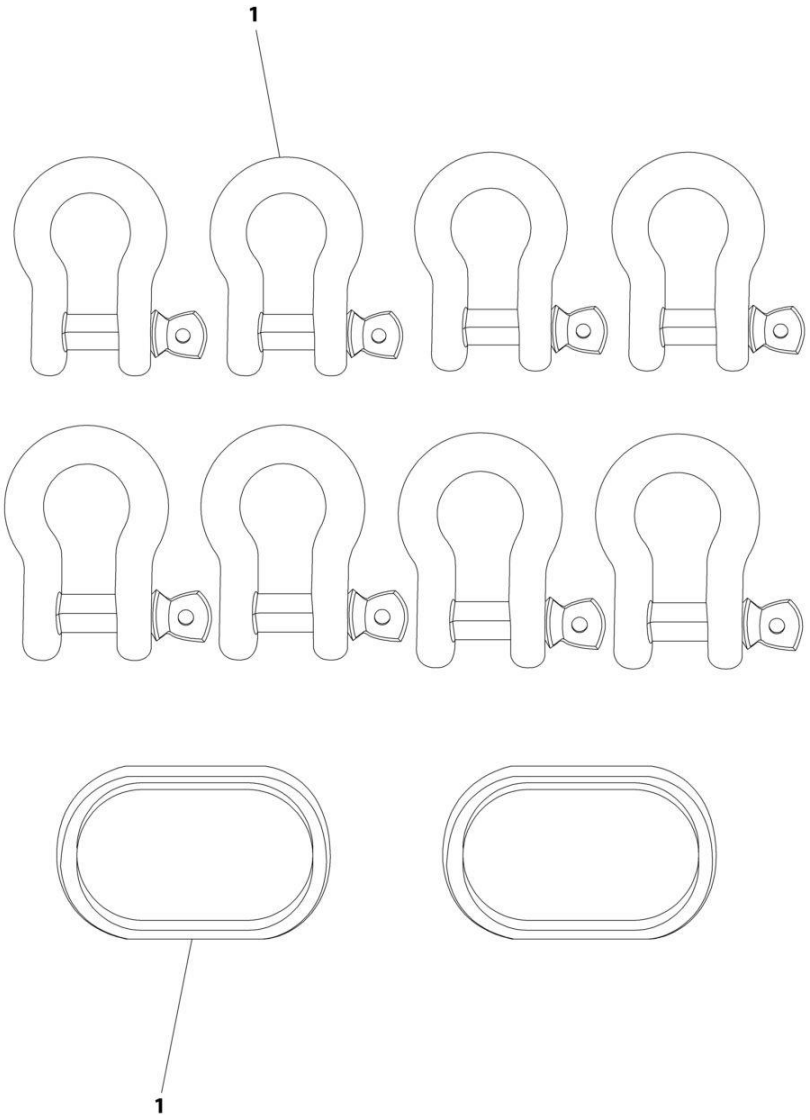


FIGURE 9-16. SHACKLE KIT, LEVEL 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323731	Ref	SHACKLE KIT, LEVEL 2	A
1	1001323745	1	Shackle Kit	
1	Kit	2	Screw Pin Shackle, 7/8 Pin	
1	Kit	2	Screw Pin Shackle, 1-1/8 Pin	
1	Kit	2	Screw Pin Shackle, 1-3/8 Pin	
1	Kit	2	Screw Pin Shackle, 1-5/8 Pin	
1	Kit	2	Master Link, 7/8 Pin	
1	Kit	2	Master Link, 1-3/16 Pin	

FIGURE 9-17. SHACKLE KIT, LEVEL 3



ART_1001323732

FIGURE 9-17. SHACKLE KIT, LEVEL 3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323732	Ref	SHACKLE KIT, LEVEL 3	A
1	1001323746	1	Shackle Kit	
1	Kit	4	Screw Pin Shackle, 7/8 Pin	
1	Kit	4	Screw Pin Shackle, 1-1/8 Pin	
1	Kit	4	Screw Pin Shackle, 1-3/8 Pin	
1	Kit	4	Screw Pin Shackle, 1-5/8 Pin	
1	Kit	2	Master Link, 7/8 Pin	
1	Kit	2	Master Link, 1-3/16 Pin	

FIGURE 9-18. SNATCH BLOCK KIT - 5-WINCH

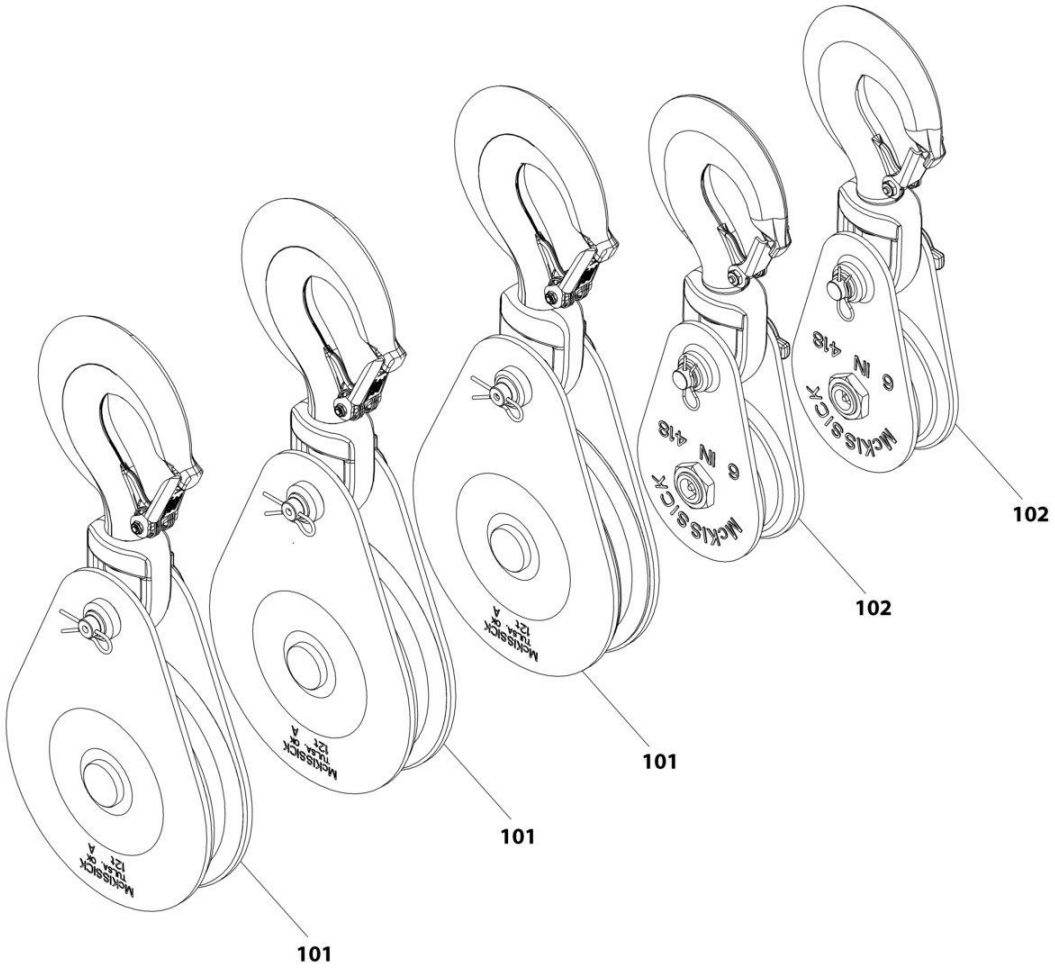
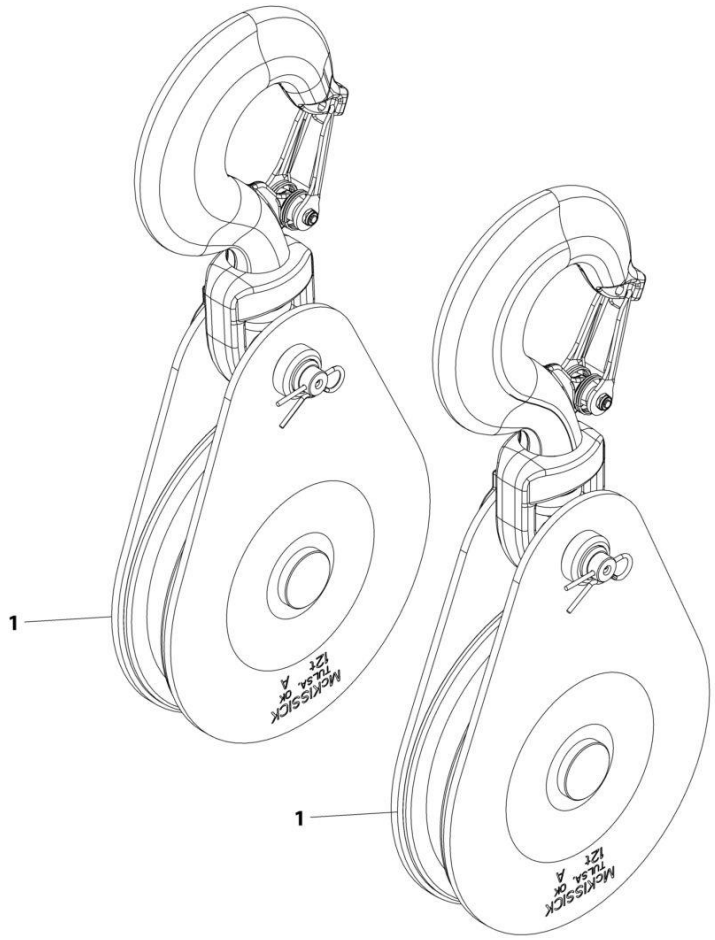


FIGURE 9-18. SNATCH BLOCK KIT - 5-WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323733	Ref	SNATCH BLOCKS KIT - INSTALLATION	A
1	1001323747	1	Snatch Block Kit (Not Shown)	
101	Kit	3	Snatch Block (12T)	
102	Kit	2	Snatch Block (8T)	

FIGURE 9-19. SNATCH BLOCK KIT -10"



ART_1001241606

FIGURE 9-19. SNATCH BLOCK KIT -10"

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241606	Ref	SNATCH BLOCK KIT	B
1	1001303104	2	Snatch Block	

FIGURE 9-20. SPREADER BAR SLING KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323763	Ref	SPREADER BAR SLING KIT	A
1	1001323764	1	Accessory, Spreader Bar Rigging	

FIGURE 9-21. SPREADER BAR KIT (JD)

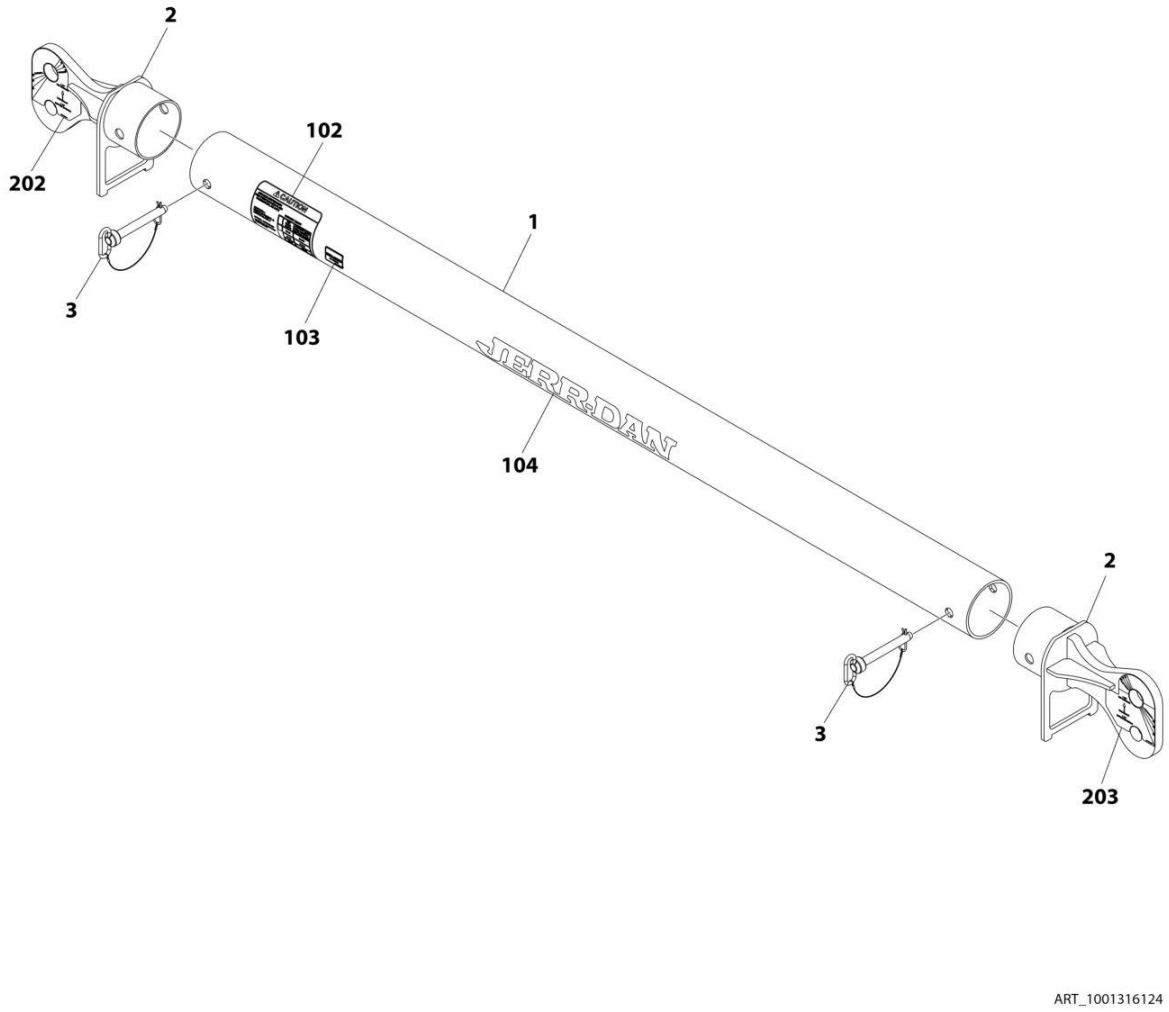


FIGURE 9-21. SPREADER BAR KIT (JD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001316124	Ref	SPREADER BAR KIT	A
	1001309755	1	Spreader Bar Assembly	
1	1001313967	1	Tube with Decals (Includes Items 102 & 104)	
2	1001313968	2	End with Decals (Includes Items 202 & 203)	
3	1001314954	2	Pin	
102	1001313136	2	Decal - Chart	
103	See Note	NSS	Decal - SN (Note: Unique PN - Not Available for Purchase)	
104	1001313966	2	Decal - JERR-DAN	
202	1001313085	2	Decal - Arm A (1 per End)	
203	1001313086	2	Decal - Arm B (1 per End)	

FIGURE 9-22. SPREADER BAR KIT (ALUM 20K)

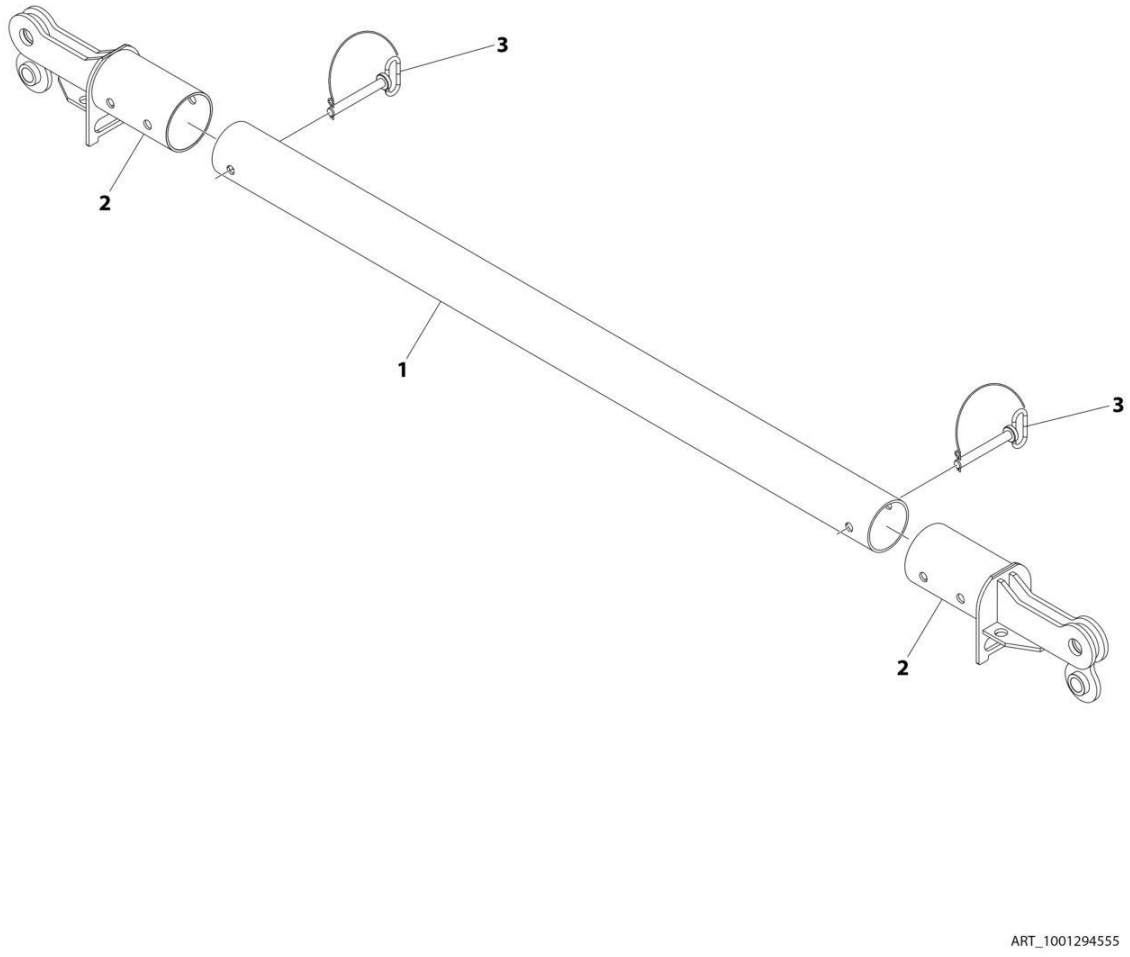
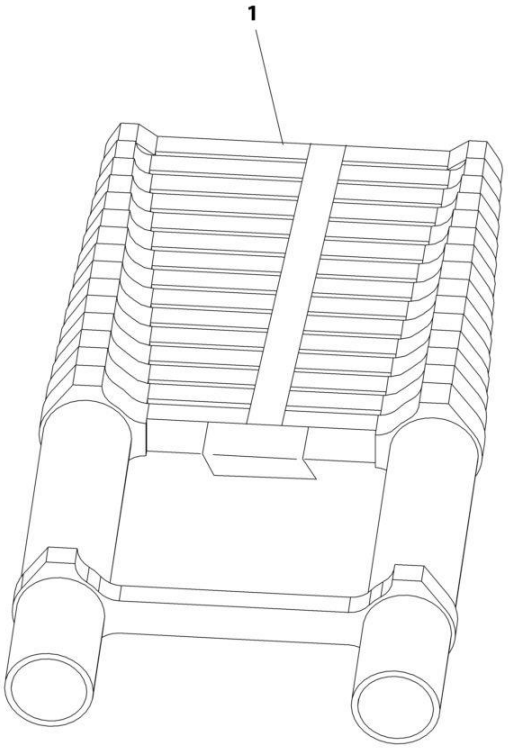


FIGURE 9-22. SPREADER BAR KIT (ALUM 20K)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294555	Ref	SPREADER BAR KIT	A
	1001294510	1	Spreader Bar Assembly	
	See Note	1	Note: Items 1-3 are shown as a reference and are not available for individual purchase due to multiple suppliers.	
1		Ref	Tube (Use PN 1001294510) **(Including ~NSS)**	
2		Ref	End (Use PN 1001294510) **(Including ~NSS)**	
3		Ref	Pin (Use PN 1001294510) **(Including ~NSS)**	

FIGURE 9-23. TELESCOPIC LADDER KIT

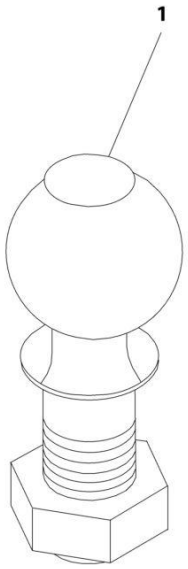


ART_1001323723

FIGURE 9-23. TELESCOPIC LADDER KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001323723	Ref	TELESCOPIC LADDER KIT,	A
1	1001323737	1	Telescopic Ladder	

FIGURE 9-24. TOW BALL - 1,88IN DIA

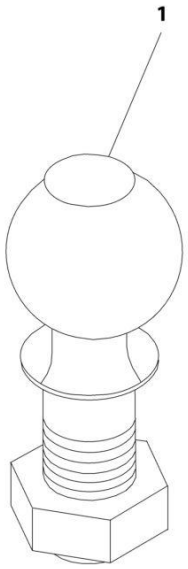


ART_1001231628

FIGURE 9-24. TOW BALL - 1,88IN DIA

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231628	Ref	TOW BALL - 1.88IN DIA	A
1	7056000003	1	Ball, 1.88IN Dia	

FIGURE 9-25. TOW BALL - 2IN DIA

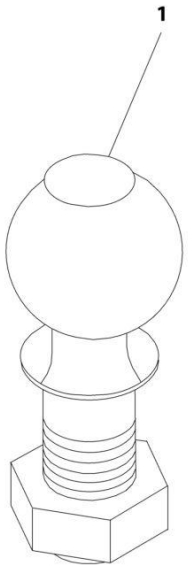


ART_1001231629

FIGURE 9-25. TOW BALL - 2IN DIA

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231629	Ref	TOW BALL - 2IN DIA	A
1	7056000004	1	Ball, 2.00IN Dia	

FIGURE 9-26. TOW BALL - 2.31IN DIA

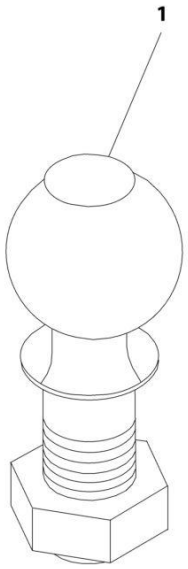


ART_1001231630

FIGURE 9-26. TOW BALL - 2.31IN DIA

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231630	Ref	TOW BALL - 2.31IN DIA	A
1	7056000005	1	Ball, 2.31IN Dia	

FIGURE 9-27. TOW BALL - 50MM DIA



ART_1001231631

FIGURE 9-27. TOW BALL - 50MM DIA

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231631	Ref	Tow Acc, 50mm Dia Pintle Hook Ball	A
1	7056000006	1	Ball, 50mm Dia	

FIGURE 9-28. UNDERLIFT TOOLS - 25,000 LB TIRE LIFT

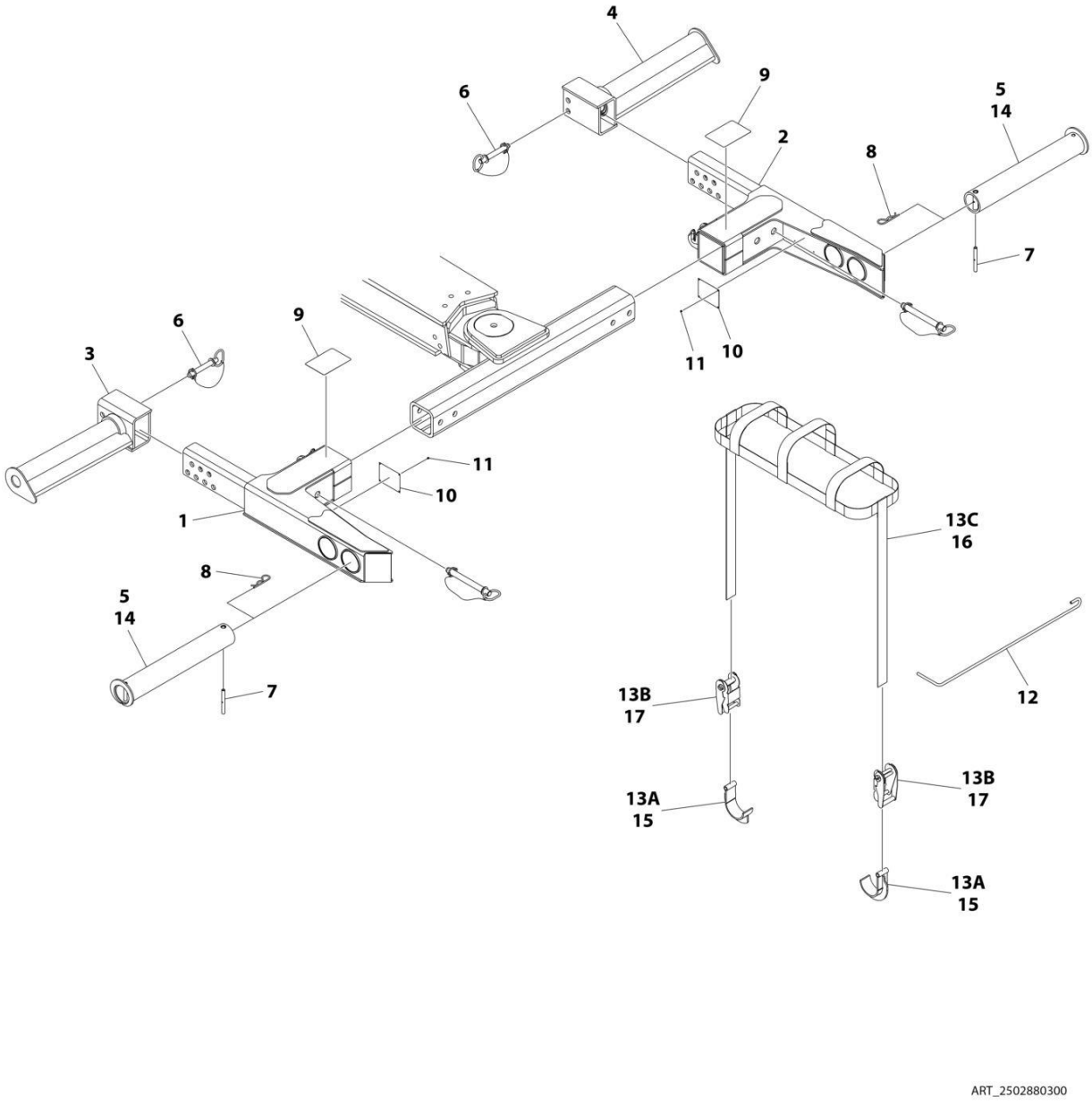


FIGURE 9-28. UNDERLIFT TOOLS - 25,000 LB TIRE LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2502880300	Ref	Underlift Tools - 25,000 lbs Tire Lift	D
1	3484000072	1	Tire Lift Grid - LH	
2	3484000073	1	Tire Lift Grid - RH	
3	3020000119	1	Tire Lift Arm Weldment - LH	
4	3020000120	1	Tire Lift Arm Weldment - RH	
5	3912000033	2	Tire Lift Tube Weldment - 27.5” Long	
6	7691000026	2	Hitch Pin	
7	4691000274	4	Pin	
8	7691000020	4	Hairpin	
9	7330000278	2	Decal	
10	1001132265	2	Decal	
11	7759000004	8	Rivet	
12	4561000012	1	Hook, Pull	
13	7577000368	1	Strap Kit	
13A	3561000015	4	Hook, 3” Wide Strap	
13B	7894000060	2	Ratchet, 3” Wide Strap	
13C	7894000057	1	Strap, 3” Wide	
14	3912000038	2	Tire Lift Tube Weldment - 23” Long	
15	3561000008	4	Hook, 2” Wide Strap	
16	7894000037	2	Strap, 2” Wide	
17	7894000028	4	Ratchet, 2” Wide Strap	
18	7894000041	2	Tie-Strap (Not Shown)	

SECTION 10 - BUILD DOCUMENTS

SECTION 10 - BUILD DOCUMENTS

FIGURE 10-1. BUILD DOC_5376000339

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	**Note: This list is for build tracking purposes only. Parts in this list are not available at this inventory stocking level. Parts in this list may not be applicable to all models. For more specific parts information contact Jerr-Dan Parts Department**	
	1001227092	Ref	Body Hole Fill Kit	
	1001310748	Ref	DEF TANK RELOCATION - HDR	
	1001311784	Ref	DEF TANK RELOCATION - WESTERN STAR	
	1001306194	Ref	NO BATTERY RELOCATION INSTALLATION	
	1001303529	1	Paint - Main Winch Hooks & Handles	
	1001303530	1	Paint - Winch Hooks & Handles	
		Ref	**PTO (Installation & replacement is based on individual characteristics of the unit - Contact Jerr-Dan Parts Dept.)**	
	TP_REF	Ref	Pump (Installation & replacement is based on individual characteristics of the unit - Contact Jerr-Dan Parts Dept.)	
	1001309919	1	STORAGE OPTIONS PACKAGE - GOLD (WITH AXLE - TALL TUNNEL)	
	1001309920	1	STORAGE OPTIONS PACKAGE - GOLD (WITH AXLE - SHORT TUNNEL)	

PART NUMBER INDEX

SECTION 10 - BUILD DOCUMENTS

0100011....15, 35, 47, 51, 57, 67, 77, 87, 125, 135, 137, 139, 141, 149, 169, 266
0100020.....77, 87, 301
0140011.....379
0630485.....117, 119
0641406.....307
0641514.....207
0641607.....47, 51
0641608.....47, 51, 149
0641609.....47, 51
0641610.....47, 51
0641611.....47, 51
0641614.....23
0641615.....47, 51
0641618.....29
0641632.....266
0641708.....367, 369
0641711.....169
0641712.....169
0641808.....47, 51
0641810.....57, 67, 169
0641814.....149
0641822.....15, 247, 249, 251, 253, 255
0642010.....29
0642026.....169
0642034.....247, 251, 255
0642044.....249, 253
0642212.....47, 51
0642214....135, 137, 139, 141
0651404.....125
0651606.....267
0682016.....23
0682216.....35
0682220.....19, 43, 45
0682248....135, 137, 139, 141
0682640.....39
0682648.....33
0741814.....31
0750605.....181, 183, 185
0760814.....266
0812218.....117, 119
0812222.....117
0812232.....119
1001095650.....23, 266
1001095704.....389
1001097942.....269, 275
1001103012.....373
1001103013.....373
1001104519.....453, 457, 458
1001107854.....373
1001115157.....403
1001116586.....403
1001116698.....373
1001116727.....423, 461, 471
1001116728.....389
1001116729.....473
1001116733.....379
1001116745.....357, 359, 361, 461, 463, 469, 471, 475
1001116747..... 389
1001116761... 29, 47, 51, 149
1001116774..... 454
1001116808..... 454
1001116810..... 373, 389, 461
1001116811..... 389, 461
1001116812..... 390, 454, 458
1001116815..... 447, 449, 454
1001116816..... 389
1001116920..... 457
1001116921..... 451
1001117021..... 471
1001117026..... 357, 359, 461, 463, 471, 473, 475
1001117081..... 453, 458
1001117119..... 453, 458
1001118282..... 379
1001118379..... 453, 457, 465
1001122235..... 181, 183, 185
1001125295..... 457
1001125479..... 371
1001126008..... 453, 454
1001127220..... 480
1001128128..... 379
1001128697..... 135, 137, 139, 141
1001129285..... 389
1001129818..... 123
1001129820..... 123
1001129828..... 427
1001129862..... 427
1001130429..... 435
1001130466..... 425
1001131169..... 433
1001132242..... 480
1001132265..... 543
1001132346..... 480
1001133088..... 411
1001133213..... 423
1001134376..... 266, 333
1001135667..... 23
1001136091..... 480
1001136103..... 480
1001136119..... 480
1001136146..... 266
1001136447..... 303
1001136559..... 303
1001136696..... 485
1001136846..... 323, 325
1001137048..... 298, 371
1001137052..... 298
1001137169..... 480
1001137185..... 480
1001137487..... 319
1001138537..... 480
1001138612..... 480
1001141227..... 480
1001142161..... 299
1001142812.. 77, 87, 117, 119
1001142828..... 480
1001142894..... 483
1001143284..... 399, 401, 403, 405
1001144147..... 389, 453, 457
1001144295..... 379
1001150151..... 123
1001150180..... 121, 123
1001150422..... 121
1001150610..... 373, 461
1001150611..... 373, 389, 390
1001151050..... 135, 137, 139, 141
1001151546..... 269, 275, 401, 403, 405
1001151763..... 329, 331
1001152707... 29, 43, 45, 47, 51, 57, 67, 77, 87, 117, 119, 135, 137, 139, 141
1001152742..... 389
1001154075..... 266
1001154786..... 23
1001156079..... 266
1001156279..... 266
1001157941..... 263, 317
1001158198..... 97
1001158716..... 319
1001158828.... 77, 87, 97
1001158844..... 23
1001159568..... 165
1001160799..... 239
1001164102..... 365, 367, 369
1001165692..... 251
1001166322..... 266
1001166386..... 21
1001166549..... 393
1001166644..... 221, 223, 225, 227, 229, 351, 353
1001166670..... 351, 353
1001166815..... 444
1001166930..... 181, 183, 185, 266
1001166974..... 239, 243, 266
1001166978..... 239
1001167099..... 266
1001167667..... 458
1001167677..... 373, 389
1001168545..... 221, 223, 241, 245
1001168993..... 243, 266
1001169054..... 266
1001169083..... 239
1001169138..... 266
1001169617..... 77, 87
1001169893... 57, 67, 77, 87
1001170036..... 491
1001170090..... 225, 227, 229
1001170091..... 225, 227, 229
1001170172..... 497
1001170305.....225, 227, 229
1001170307.....225, 227, 229
1001170310.....225, 227, 229
1001170328.....225, 227, 229
1001170329.....225, 227, 229
1001170330.....225, 227, 229
1001170331.....225, 227, 229
1001170332.....225, 227, 229
1001170428.....225, 227, 229
1001170760.....390
1001170845.....488
1001170849.....203
1001171933.....491
1001172491.....43, 45
1001173847.....169, 247, 249, 251, 253, 255
1001174051.....207
1001174339.....29
1001175596.....221, 223
1001176333.....389, 453, 457
1001176364.....112, 119
1001177203.....247, 251
1001177650.....361, 469
1001178692.....23
1001178865.....23
1001178867.....23
1001179003.....23
1001179129.....23
1001179131.....19, 23
1001179132.....23, 27
1001179143.....23
1001179153.....19
1001179160.....23
1001179170.....23
1001179349.....225, 227, 229
1001180725.....211
1001182503.....393
1001182562.....249, 253
1001182773.....488
1001183037.....231, 245
1001183200.....351, 353
1001185964.....389
1001187063.....247
1001188293.....373
1001188538.....351
1001190926.....239
1001191736.....243
1001192287.....245
1001192401.....390
1001192958.....173, 175, 177, 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 209, 343, 399, 415, 417, 419
1001193553.....201

1001194676 ..... 231, 233, 257, 259, 266, 269, 275, 351, 353, 371
1001195257 ..... 187, 189, 191, 193, 195, 197, 211, 239, 381, 383, 385
1001195523 ..... 235, 237, 239
1001195838 239
1001196552 ..... 171, 205, 287, 381, 383, 385, 393, 395, 397
1001196625 ..... 247, 251, 417
1001196790 ..... 169, 207, 255
1001196808 ..... 205, 247, 249, 251, 253, 255
1001197338 247
1001197482 263
1001198602 ..... 187, 189, 191, 193, 195, 197
1001199081 ..... 393, 395, 397
1001199477 ..... 411, 413
1001199478 ..... 427, 430
1001199942 407
1001200997 ..... 225, 227, 229
1001203911 367
1001204558 345
1001204595 367
1001205822 373
1001206319 ..... 435, 437
1001206364 480
1001206367 480
1001207736 263
1001208976 ..... 273, 277, 279, 281, 283, 285, 287, 289, 291, 447
1001209035 375
1001209616 ..... 269, 271, 273, 275, 277, 281, 285, 287, 291
1001210454 ..... 221, 223, 225, 227, 229
1001210960 351
1001212106 269
1001212107 271
1001212141 365
1001212221 ..... 169, 401
1001212444 19
1001212488 437
1001213538 341
1001215151 ..... 343, 347
1001215157 ..... 401, 405
1001215421 ..... 269, 275, 444
1001215432 275
1001215436 ..... 271, 449
1001215898 ..... 454, 458
1001216233 269
1001216239 269
1001216315 275
1001216316 275
1001216586 ..... 401, 405
1001217996 351
1001218723 363
1001218724 369
1001219187 127
1001219309 343
1001219785 209
1001222146 405
1001222351 ..... 135, 137, 139, 141
1001222355 ..... 135, 137, 139, 141
1001224056 119
1001224140 103
1001224155 101
1001224173 103
1001224174 101
1001226712 ..... 117, 130
1001226713 117
1001226714 117
1001226717 119
1001227079 ..... 117, 119
1001227092 546
1001227308 ..... 117, 119
1001227480 125
1001227482 125
1001227641 263
1001228634 255
1001228768 185
1001229447 ..... 381, 463
1001229477 ..... 361, 383, 385
1001229478 357
1001229519 359
1001229985 461
1001230142 ..... 383, 385, 475
1001230518 387
1001230966 217
1001230987 ..... 213, 215, 217
1001231624 435
1001231625 403
1001231626 497
1001231627 499
1001231628 535
1001231629 537
1001231630 539
1001231631 541
1001231637 ..... 423, 425
1001231801 480
1001231974 285
1001231975 285
1001231976 291
1001231977 291
1001232209 ..... 277, 281, 285, 291
1001232211 277
1001232477 480
1001232956 279
1001232957 281
1001232958 287
1001232965 283
1001232966 289
1001232967 273
1001232968 279
1001232969 281
1001232970 287
1001233500 377
1001234075 483
1001234076 485
1001234537 279
1001235394 277
1001235395 277
1001238159 488
1001241606 525
1001241869 488
1001242866 390
1001246893 149
1001249095 457
1001249858 465
1001249982 266
1001250391 29
1001250393 ..... 29, 47, 51
1001250399 ..... 47, 51
1001250400 ..... 47, 51
1001250843 ..... 343, 345, 349
1001250845 29
1001250863 169
1001250864 169
1001250873 169
1001250875 169
1001250876 169
1001251199 488
1001251207 488
1001251215 488
1001251627 ..... 135, 137, 139, 141
1001251649 ..... 47, 51
1001251870 ..... 135, 137, 139, 141
1001253744 ..... 199, 201
1001254393 169
1001254942 ..... 47, 51
1001256894 343
1001257687 ..... 47, 51
1001257696 345
1001257762 349
1001257980 ..... 117, 119
1001258218 409
1001258243 ..... 47, 51
1001262020 ..... 389, 457
1001262021 ..... 389, 457
1001262022 ..... 389, 457
1001262023 ..... 390, 458
1001262482 ..... 453, 457
1001262483 ..... 453, 457
1001262572 488
1001262745 ..... 453, 457
1001262746 ..... 453, 457
1001262747 ..... 453, 457
1001262939 266
1001262942 266
1001263483 ..... 453, 457
1001263545 ..... 373, 451
1001263726 ..... 373, 451
1001263822 488
1001263856 488
1001263857 488
1001263858 488
1001263992 149
1001266446 149
1001269275 ..... 357, 359, 463, 475
1001269276 ..... 17, 390
1001269884 488
1001270464 437
1001270465 437
1001270479 437
1001272296 298
1001272557 373
1001273598 365
1001273634 ..... 407, 409, 421, 425, 433
1001274386 183
1001274658 197
1001274664 197
1001274665 197
1001277611 ..... 257, 259
1001277612 257
1001278517 181
1001279673 259
1001282165 266
1001282692 ..... 221, 223
1001282693 ..... 221, 223
1001283399 266
1001283560 213
1001283561 215
1001283564 213
1001283565 213
1001283566 215
1001283567 215
1001283839 ..... 135, 137, 139, 141, 159
1001284282 233
1001284283 ..... 231, 233
1001284284 ..... 231, 233
1001284285 233
1001284294 239
1001284296 239
1001284480 ..... 19, 25
1001284481 ..... 135, 137, 139, 141, 157
1001284616 225
1001284617 227
1001284619 225
1001284620 227
1001284622 ..... 225, 227, 229
1001284623 ..... 225, 227, 229
1001284940 221
1001284941 223
1001284944 221
1001284945 223
1001284948 ..... 221, 223
1001285357 245
1001285358 ..... 239, 245
1001285503 219
1001285911 235
1001285912 235
1001286137 ..... 143, 151
1001286138 ..... 145, 153
1001286139 ..... 147, 155
1001287855 301
1001287856 301
1001288016 ..... 275, 277, 279, 287, 289, 291
1001288629 ..... 171, 205
1001289314 199
1001289478 501
1001289537 199

1001289597.....199
1001289598.....199
1001290203.....47, 51
1001291994.....141, 149
1001291995.....149
1001291996.....149
1001291997.....149
1001292166.....149, 161
1001292285.....217
1001292582.....169, 415
1001293129.....217
1001293130.....217
1001293582...47, 51, 105
1001293966.....149
1001293981.....149
1001294073.....149
1001294087.....383, 471
1001294089.....249, 253, 419
1001294171...43, 45, 109
1001294191.....43, 47
1001294192.....43
1001294193.....33
1001294207.....29
1001294224.....231
1001294226.....57
1001294227.....57, 60
1001294228.....57, 64
1001294403.....47, 51
1001294510.....531
1001294555.....531
1001294832.....47, 51
1001294969.....47, 51
1001295192.....488
1001295549.....135, 137, 139, 141
1001295909.....303
1001295910.....303
1001295911.....135, 137, 139, 141, 303
1001296144.....51
1001296165.....57, 67
1001296964.....35
1001296966.....45
1001296967.....45, 51
1001296968.....77
1001296970.....77, 80
1001296971.....77, 84
1001297064.....263
1001297622.....488
1001297901.....488
1001298466.....39
1001298539.....39
1001298941.....43, 45
1001298942.....43, 45
1001299348.....47, 51
1001300895.....31
1001301412.....266, 337
1001301919.....231
1001302024.....451
1001302025.....389
1001302033.....371, 373
1001302035.....377, 379
1001302036.....457
1001302037.....453
1001302141.....47, 51
1001302142.....47, 51
1001302216..... 47, 51
1001302225..... 47, 51
1001302625..... 379
1001303104..... 525
1001303124..... 15, 17
1001303128..... 15
1001303450..... 319
1001303451..... 319
1001303455.. 77, 87, 319
1001303499..... 309
1001303501..... 309
1001303508..... 309, 311
1001303509..... 309
1001303523..... 19
1001303524..... 29
1001303526..... 55
1001303527..... 67
1001303528..... 99
1001303529..... 546
1001303530..... 546
1001303531..... 87
1001303533..... 135
1001303534..... 137
1001303535..... 139
1001303536..... 141
1001303537..... 117
1001303538..... 119
1001303541..... 169
1001303547..... 251
1001303550..... 197
1001303557..... 266
1001303563..... 263
1001303564..... 377
1001303565..... 125
1001303566..... 298
1001303567..... 301
1001303568..... 305
1001303573..... 37
1001303574..... 480
1001303580..... 421
1001303597..... 299
1001303621..... 253
1001303624..... 299
1001303657..... 371
1001303658..... 323
1001303661..... 323, 325
1001303664..... 323, 325
1001303665..... 323, 325
1001303737..... 323
1001303738..... 323, 325
1001303758..... 299
1001303761..... 299
1001303762..... 299
1001303765..... 299
1001303766..... 299
1001303775..... 299
1001303787..... 299
1001303789..... 299
1001303794..... 299
1001303796..... 299
1001303821..... 299
1001303854..... 299
1001303857..... 299
1001304011..... 299
1001304023..... 299
1001304116..... 299
1001304122..... 266, 335
1001304183..... 299
1001304215..... 299
1001304216..... 299
1001304282..... 77, 323
1001304283..... 57, 309
1001304296..... 313
1001304297..... 315
1001304299..... 119, 315
1001304300..... 117, 313
1001304353..... 458
1001304372..... 298
1001304408..... 301
1001304437..... 329
1001304438..... 15
1001304466..... 329
1001305396..... 266
1001305398..... 301
1001305422..... 266
1001305423..... 266
1001305424..... 266
1001305428..... 266
1001305434..... 266
1001305467..... 266
1001305468..... 266
1001305469..... 266
1001305509..... 266
1001305522..... 263
1001305523..... 31
1001305524..... 255
1001305553..... 465
1001305573..... 247
1001305575..... 247
1001305656..... 187
1001305657..... 187
1001305692..... 249
1001305693..... 249
1001305729..... 29
1001305732..... 29
1001305737..... 29
1001305739..... 29
1001305741..... 29
1001305742..... 29
1001305744..... 29
1001305745..... 29
1001305746..... 29
1001305747..... 29
1001305857..... 251
1001305864..... 253
1001305894..... 266
1001305952..... 183, 251, 253
1001305953..... 181, 247, 249
1001305956..... 266
1001305965..... 266
1001306010..... 266
1001306015..... 189
1001306068..... 266
1001306069..... 247, 251, 257
1001306097..... 266
1001306098..... 266
1001306124..... 175, 177
1001306127..... 266
1001306137..... 267
1001306157..... 183
1001306159.....247, 251, 395
1001306160.....395
1001306189.....175
1001306190.....177
1001306191.....179
1001306192.....351
1001306193.....353
1001306194.....546
1001306195.....351, 353
1001306272.....191
1001306273.....191
1001306274.....298
1001306277.....247, 251, 381
1001306445.....181
1001306626.....255
1001306628.....169, 393
1001306629.....169, 171
1001306630.....169, 173
1001306631.....169, 199
1001306632.....173
1001306633.....173
1001306634.....173
1001306635.....173
1001306636.....173
1001306637.....173
1001306638.....173
1001306843.....197
1001306845.....169
1001306884.....169
1001306885.....169
1001306888.....169
1001307021.....179
1001307022.....249, 253, 255, 397
1001307159.....185
1001307166.....249, 253, 255, 259
1001307167.....185, 255
1001307192.....401
1001307297.....255, 399
1001307298.....255, 385
1001307333.....397
1001307430.....195
1001307431.....195
1001307487.....177
1001307543.....249, 253, 383
1001307779.....189
1001307780.....193
1001307815.....193
1001307882.....237
1001307887.....237
1001308910...77, 87, 321
1001309371.....31
1001309372.....31
1001309373.....31
1001309375.....31
1001309376.....31
1001309744.....125
1001309748.....125
1001309750.....125
1001309754.....125
1001309755.....529
1001309757.....125
1001309919.....546

1001309920 546
1001310746 ..... 201, 255
1001310747 201
1001310748 546
1001310825 37
1001310826 37
1001310931 ..... 169, 211
1001311472 229
1001311547 229
1001311784 546
1001313085 529
1001313086 529
1001313136 529
1001313966 529
1001313967 529
1001313968 529
1001314954 529
1001315638 ..... 305, 307
1001315711 35
1001315755 35
1001316124 529
1001318858 480
1001318859 480
1001319135 480
1001319136 480
1001319137 99
1001319150 55
1001319151 55
1001319152 55
1001319153 55
1001319496 243
1001319499 243
1001319500 243
1001319640 301
1001319920 21
1001319938 33
1001320024 47
1001320139 ..... 47, 51
1001320365 299
1001320433 309
1001320767 71
1001320768 75
1001320769 71
1001320770 75
1001321162 ..... 381, 469
1001321572 377
1001321662 266
1001321674 ..... 169, 203
1001321675 ..... 169, 219
1001321889 ..... 67, 70
1001321890 ..... 67, 74
1001321895 305
1001321961 ..... 67, 311
1001322251 245
1001322542 ..... 87, 94
1001322543 ..... 87, 90
1001322571 127
1001322596 199
1001322641 219
1001323020 ..... 385, 473
1001323192 ..... 77, 87
1001323595 241
1001323723 533
1001323724 495
1001323725 507
1001323726 509
1001323727 511
1001323728 503
1001323729 505
1001323730 517
1001323731 519
1001323732 521
1001323733 523
1001323737 533
1001323738 495
1001323739 507
1001323740 509
1001323741 511
1001323742 503
1001323743 505
1001323744 517
1001323745 519
1001323746 521
1001323747 523
1001323763 526
1001323764 526
1001323829 35
1001324765 311
1001324777 311
1001324778 311
1001324784 ..... 87, 325
1001324819 325
1001327243 267
1001329917 127
1001329918 127
1001330026 127
10050363 131
1060706 351
10701259 ..... 33, 39
1120601 169
1320130 ..... 309, 311
1320301 263
1321385 .... 381, 383, 385
1321716 299
1380135 245
1380169 266
1704260 377
2220238 298
2220408 298
2220474 298
2220500 298
2220567 298
2220603 298
2220664 298
2220773 298
2220883 ..... 25, 106, 109, 161
2220885 ..... 106, 161
2220886 ..... 106, 109
2220973 ... 309, 311, 313, 315
2221050 299
24431386 298
2502330145 467
2502880300 543
2503630028 491
2503870011 165
2503880012 ..... 135, 137, 139, 149, 163
2503880033 493
2503880043 513
2503880044 515
2508610077 327
3007000004 165
3020000119 543
3020000120 543
3020029 19, 23, 125, 225, 227, 229
3020039 .... 19, 43, 45, 48, 52, 57, 67, 77, 87, 125, 169
3170000123 143
3170000124 143
3170000125 143
3170000178 147
3170000179 147
3170000379 147
3170000380 147
3170000381 ..... 139, 147
3170000400 145
3170000401 145
3170000406 145
3170000407 ..... 137, 145
3178000226 501
3178000240 493
3178000273 147
3178000275 147
3178000499 493
3178000547 363
3249000009 ..... 117, 119
3249000012 ..... 77, 87
3249000035 ..... 57, 67
3272001 ..... 23, 35
3272205 ..... 19, 43, 45
3272605001 23
3274000011 ..... 247, 249, 251, 253, 255
3311605 23
3323002 125
3484000072 543
3484000073 543
3507100001 ..... 135, 143
3551000036 165
3561000008 543
3561000015 543
3577000018 163
3691000144 493
3691000145 493
3691000223 23
3691000227 19
3706000080 493
3706000177 149
3706000178 149
3706000241 ..... 47, 51
3760115 ..... 29, 47, 51
3760308 .... 181, 183, 185, 266
3790230 ..... 171, 205
3841203 ..... 57, 67, 77, 87
3841258 23
3841287 .. 19, 43, 45, 135, 137, 139, 141
3900339 245
3911000068 251
3912000033 543
3912000038 543
3913000094 163
3930820 ..... 401, 403, 405
3931028 333
3931512 17
3931624 23
4017001271 241
4062000522 ..... 47, 51
4062000589 ..... 47, 51
4178000349 301
4178000402 ..... 411, 427
4178000659 421
4178000775 327
4178000889 365
4249000001 ..... 77, 87
4460234 263
4460267 465
4460321 465
4460457 ..... 423, 461
4460458 ... 357, 359, 361, 375, 389, 423, 463, 471
4460460 461
4460464 ..... 17, 347, 357, 359, 361, 373, 387, 389, 401, 444, 447, 449, 453, 457, 463, 473
4460465 ..... 17, 347, 373, 375, 379, 387, 389, 390, 444, 447, 449, 451, 453, 457, 469, 471, 473
4460466 ..... 17, 357, 359, 361, 373, 387, 389, 390, 444, 447, 449, 451, 453, 454, 457, 458, 463, 469, 471, 473
4460475 .... 375, 389, 423
4460508 .... 373, 389, 461
4460509 ... 389, 390, 435, 437, 453, 457, 461
4460518 454
4460536 ... 347, 403, 447, 449
4460539 ..... 347, 387
4460742 ..... 423, 461
4460746 423
4460748 389
4460789 423
4460836 453
4460867 423
4460884 ... 379, 444, 447, 449, 451
4460885 ..... 453, 457
4460891 ... 373, 375, 379, 387, 389, 451, 453, 457
4460894 ..... 373, 451
4460897 ... 373, 387, 401, 454, 458, 473
4460899 ..... 373, 387
4460930 .... 469, 471, 473
4460932 ... 373, 444, 447, 449, 454, 458
4460933 453
4460934 ..... 390, 453
4460935 ..... 453, 454
4460941 17
4460984 361
4461017 ..... 389, 461
4461018 ... 389, 390, 435, 437
4461115 423
4461157 .... 375, 389, 461
4461216 453

SECTION 10 - BUILD DOCUMENTS

4461217.....454
4490941.....373, 389, 457
4490942....373, 379, 389, 451, 453, 457
4561000012.....543
4567112016.....299
4567112065.....299
4567120022.....299
4567122025.....299
4567132019.....299
4567132024.....299
4567132036.....299
4567132039.....299
4567132080.....299
4567132085.....299
4567133029.....299
4567133035.....299
4567133041.....299
4567152038.....311
4567152048.....313, 315
4567152054.....315
4567152060.....313
4567152066.....299
4569143034.....325
4570000167.....299
4619000006.....298
4640458.....475
4640464.....475
4640466.....475
4641193.....333
4679000124.....267
4679000146.....143, 147
4679000147.....143
4679000170.....147
4679000205.....149
4679000206.....149
4679000277.....145
4679000293.....145
4679000319.....47, 51
4691000242.....163
4691000274.....543
4691000290.....135, 137, 139, 141
4691000291.....135, 137, 139, 141
4691000292.....143
4691000293.....143, 145, 147, 149
4691000321.....145, 147
4691000417.....47, 51
4691000556.....43, 45
4691960030....61, 65, 81, 85, 131
4705000705.....247, 249, 251, 253, 255
4706001815.....207
4706002207.....143
4706002208.....143
4706002209.....143
4706002210.....143
4706002211.....143
4706002235.....307
4706002428.....147
4706003144.....149
4706003708.....143
4706003709.....143
4706003710.....143
4706003717..... 143
4706003718..... 143
4706003719..... 149
4706003844..... 298, 301
4706005262..... 145
4706005263..... 145
4706005281..... 145
4711400..... 125
4711600..... 149
4711700..... 367, 369
4711800..... 149
4712200..... 19, 43, 45
4751400..... 211
4751600..... 266
4751800..... 47, 51
4752000..... 169
4754000006... 23, 29, 47, 51
4761400..... 47, 51, 307
4761600..... 149
4761800..... 47, 51, 149
4812000057..... 143
4831000104..... 57, 67
4831000115..... 97
4831000128..... 411
4891600..... 29, 47, 51
4891800... 169, 247, 249, 251, 253, 255
4892000..... 29
4892200..... 35
4949000041..... 163
4949000042..... 163
4949000045..... 77, 87
5525000537..... 327
5526000553..... 263, 298, 309, 311, 313, 315, 321, 327, 343, 345, 349, 363, 365, 369, 371, 381, 383, 385
70001101..... 17
70004625..... 161
70005866 . 151, 153, 155, 161
70005879..... 105
70005883..... 106
70006606..... 151, 153
70007052 .. 151, 153, 155
70007246..... 109
70007423..... 25, 157
70008161 .. 151, 153, 155
70008360..... 17
70008361..... 17
70008363..... 17
70010104 .. 151, 153, 155
7002000502..... 499
7002000504..... 327
7002000555..... 365
70020831..... 17
70020834..... 17
70022563..... 27
70022564..... 25, 27, 109, 151, 153, 155, 157, 159
70023369 .. 151, 153, 155
70023370... 27, 151, 153, 155, 157, 159
70023371... 27, 151, 153, 155
70023376..... 25
70023380.... 25, 157, 159
70027750..... 109
70029468.... 25, 157, 159
70029469 ... 25, 151, 153, 155, 157, 159
70029820..... 337
70031218..... 337
70031223..... 337
70050086..... 91, 95
70050111..... 333
70050113..... 90, 94
70050115..... 90, 94
70050126..... 90, 94
70050127..... 90, 94
70050129..... 90, 94
70050132..... 90, 94
70050139..... 90, 94
70050140..... 90, 94
70050141..... 90, 94
70050147..... 113
70050148..... 70, 74
70050151..... 91, 95
70050163..... 413
70050169..... 413, 430
70050170..... 413
70050171..... 413
70050172..... 413
70050174..... 413, 430
70050175..... 413
70050176..... 413
70050177..... 413
70050178..... 413
70050179..... 413
70050180..... 413
70050181..... 413
70050182..... 413
70050183..... 413
70050185..... 413
70050186..... 413
70050187..... 413
70050188..... 413
70050189..... 413
70050190..... 413
70050191..... 413
70050192..... 413
70050194..... 413
70050195..... 413
70050196..... 413
70050197..... 413
70050199..... 413
70050200..... 413
70050201..... 413
70050202..... 413
70050203..... 413
70050204..... 413, 430
70050205..... 413
70050206..... 413
70050207..... 413, 430
70050208..... 413
70050209..... 413
70050210..... 413
70050211..... 413
70050261..... 333
70050273..... 331
70050274..... 331
70050275..... 331
70050276.....331
70050277.....331
70050278.....331
70050279.....331
70050280.....331
70050281.....331
70050282.....331
70050338.....130
70050339.....130
70050340.....130
70050341.....130
70050342.....130
70050346.....130
70050347.....130
70050348.....130
70050349.....130
70050350.....130
70050351.....60, 64, 130
70050352.....60, 64, 130
70050353.....130
70050357..60, 64, 81, 85, 130
70050359.....131
70050361.....81, 85
70050363...61, 65, 81, 85
70050364..61, 65, 81, 85, 131
70050365.....81, 85, 130
70050367.....112
70050368.....70, 74, 112
70050369.....112
70050370.....70, 74, 112
70050371.....70, 74, 112
70050372.....70, 74, 112
70050373.....112
70050374.....113
70050375.....113
70050376.....113
70050377.....113
70050378.....114
70050379.....114
70050380.....113
70050381.....113
70050382.....113
70050383.....113
70050384.....91, 95, 113
70050385.....114
70050388.....60, 64
70050392.....413
70050393.....413
70050394.....413
70050395.....413
70050396.....130
70050398.....71, 75
70050399.....70, 74
70050401...70, 74, 90, 94
70050458.....80, 84
70050515.....333
70050516.....333
70050517.....333
70050518.....333, 335
70050526.....317
70050527.....317
70050528.....317
70050529.....317
70050530.....317
70050619.....80, 84

70050739 ..... 90, 94
70050740 ..... 90, 94
70050741 ..... 90, 94
70050742 ..... 90, 94
70050743 ..... 90, 94
70050744 ..... 90, 94
70050745 ..... 90, 94
70050746 ..... 90, 94
70050747 ..... 90, 94
70050748 ..... 90, 94
70050749 ..... 90, 94
70050750 ..... 90, 94
70050751 ..... 90, 94
70050752 ..... 90, 94
70050753 ..... 91, 95
70050755 ..... 91, 95
70050756 ..... 91, 95
70050758 ..... 91, 95
70050759 ..... 91, 95
70050760 ..... 91, 95
70050761 ..... 91, 95
70050791 27
70050792 27
70050793 27
70050794 27
70050795 ... 27, 151, 153, 155
70050796 27
70050797 27
70050798 27
70050799 27
70050800 27
70050801 27
70050802 27
70050803 27
70050804 27
70050805 27
70050806 27
70050807 27
70050808 27
70050809 27
70050810 27
70051019 430
70051020 430
70051021 430
70051022 430
70051023 430
70051024 430
70051025 430
70051026 430
70051027 430
70051028 430
70051029 430
70051030 430
70051031 430
70051032 430
70051033 430
70051034 430
70051035 430
70051036 430
70051037 430
70051038 430
70051039 430
70051040 430
70051041 430
70051042 430
70051043 430
70051044 430
70051045 430
70051046 430
70051047 430
70051048 430
70051049 430
70051050 430
70051051 430
70051052 430
70051053 430
70051054 430
70051055 430
70051056 430
70051057 430
70051305 ..... 70, 74
70051306 ..... 70, 74
70051307 ..... 70, 74
70051309 ..... 70, 74
70052522 159
70052584 106
70052915 130
70053123 25
70053188 25
70053204 161
70053213 106
70053216 109
70053254 161
70053282 131
70053299 ..... 61, 65
70053300 ..... 61, 65
70053301 . 61, 65, 81, 85, 131
70053302 ..... 61, 65, 131
70053303 . 61, 65, 81, 85, 131
70053529 130
70053531 131
70053532 131
70053533 131
70053534 131
70053535 ..... 61, 65, 131
70053536 131
70053537 131
70053538 . 61, 65, 81, 85, 131
70053539 . 61, 65, 80, 81, 84, 85, 130, 131
70053540 ..... 61, 65, 131
70053541 ..... 61, 65, 131
70053542 ..... 61, 65, 131
70053544 ..... 80, 84
70053545 ..... 80, 84
70053546 ..... 81, 85
70053547 ..... 81, 85
70053548 ..... 60, 64
70053549 ..... 60, 64
70053551 .. 60, 64, 81, 85
70053552 .. 60, 64, 81, 85
70053553 .. 60, 64, 81, 85
70053554 .. 60, 64, 81, 85
70053555 .. 60, 64, 81, 85
70053556 ..... 61, 65
70053557 ..... 61, 65
70054041 109
70054042 106
70054077 335
70054078 335
70054079 335
70054080 335
70054226 337
70054227 337
70054228 337
70054229 337
70054230 337
70054231 337
70054232 337
7007000055 165
7007000056 165
70070037 159
70070038 ..... 157, 159
70070042 157
70070044 159
70070045 ..... 157, 159
70070046 ..... 157, 159
70070047 159
70070048 157
70070049 157
70070050 157
70070071 25
70070072 109
70070080 ... 151, 153, 155
70070089 ... 151, 153, 155
70070101 151
70070102 151
70070103 ... 151, 153, 155
70070105 151
70070106 153
70070107 153
70070108 153
70070109 155
70070110 155
70070111 155
70070122 105
70070123 105
70070128 105
70070129 105
70070130 105
70070132 105
70070133 105
70070134 105
70070135 106
70070161 335
70070167 161
70070168 161
70070169 161
70070170 161
70070171 161
70070172 161
70070173 161
70070174 161
70070175 161
70070176 161
70070177 161
70070178 161
70070183 130
70070184 130
70070185 130
70070186 .. 60, 64, 80, 84, 130
70070187 130
70070188 130
70070189 130
70070190 130
70070191 130
70070192 130
70070193 130
70070194 130
70070195 130
70070196 . 60, 64, 80, 84, 130
70070197 130
70070198 130
70070199 130
70070200 ..... 60, 64, 130
70070201 130
70070202 130
70070203 131
70070204 . 60, 64, 81, 85, 131
70070205 131
70070206 131
70070207 131
70070208 25
70070209 25
70070210 25
70070236 109
70070237 109
70070238 109
70070239 109
70070241 105
70070242 105
70070243 105
70070244 105
70070245 105
70070246 105
70070247 105
70070248 106
70070249 105
70070250 ..... 60, 64
70070251 ..... 60, 64
70070252 ..... 60, 64
70070253 ..... 60, 64
70070254 ..... 60, 64
70070255 ..... 60, 64
70070256 ..... 60, 64
70070257 ..... 60, 64
70070258 ..... 60, 64
70070259 ..... 60, 64
70070260 ..... 60, 64
70070261 ..... 60, 64
70070262 .. 60, 64, 81, 85
70070263 ..... 60, 64
70070264 ..... 60, 64
70070265 .. 60, 64, 81, 85
70070266 ..... 60, 64
70070267 ..... 70, 74
70070268 ..... 70, 74
70070269 ..... 70, 74
70070270 ..... 70, 74
70070271 .. 70, 74, 91, 95
70070272 ..... 70, 74
70070273 ..... 71, 75
70070274 ..... 71, 75
70070275 ..... 71, 75
70070276 ..... 71, 75
70070277 ..... 71, 75
70070278 .. 80, 81, 84, 85
70070279 ..... 80, 84
70070280 ..... 80, 84
70070281 ..... 80, 84
70070282 ..... 80, 84

70070283.....80, 84
70070284.....80, 84
70070285.....80, 84
70070286.....80, 84
70070287.....80, 84
70070288.....80, 84
70070289.....80, 84
70070290.....80, 84
70070291.....80, 84
70070292.....80, 84
70070293.....80, 84
70070294.....80, 84
70070295.....80, 84
70070296.....80, 84
70070297.....80, 84
70070298.....80, 84
70070299.....80, 84
70070300.....80, 84
70070301.....80, 84
70070302.....81, 85
70070303.....81, 85
70070305.....81, 85
70070306.....81, 85
70070307.....81, 85
70070308.....81, 85
70070309.....81, 85
70070311.....81, 85
70070312.....81, 85
70070313.....81, 85
70070314.....81, 85
70070315.....81, 85
70070316.....81, 85
70070317.....90, 94
70070318.....91, 95
70070319.....91, 95
70070321.....17
70070322.....17
70070323.....17
7007279.....109
7007960040.....112
7011000006.....341
7017477.....335
7017496.....333, 335
7022390.....333
7022397.....335
7022399.....333, 335
7056000003.....535
7056000004.....537
7056000005.....539
7056000006.....541
7105163650...60, 64, 130
7105180850.....149
7108180850.....143, 145, 147
7108181050.....143
7110201823.....113
7114080418.....269, 275
7114100418.....48, 52
7114100618.....343, 345, 349, 363
7114100818.....327
7114101018.....263
7114140518.....127, 143, 145, 147
7114140618.....123, 127, 267
7114140818..... 231, 245, 267, 343, 345, 349
7114141018..... 29
7114141218.. 47, 51, 203
7114150818..... 363
7114160618..... 435, 437
711416085023, 225, 227, 329
7115140650..... 143, 145, 147
7115141250..... 239
7115142050..... 77, 87
7115150650..... 113
7115150850..... 263, 299, 301
7115150864..... 329
7115151050..... 298, 309, 311, 467
7115151064..... 298, 371
7115151250..... 263
7115151264..... 299
7115160850..... 331
7115161250..... 267, 427
7115161650..... 298
7115180850. 77, 87, 365, 427
7115181423..... 47, 51
7115181450..... 121, 411
7115181650..... 114
7115181850..... 305
7115182050..... 305
7115182250..... 112
7115182850..... 57, 67
7115185650..... 130
7115201250..... 135, 137, 139, 141
7115222450..... 113
7115222650..... 113
7118172050... 70, 74, 90, 94, 112
7118181205..... 112
7118181250 15, 513, 515
7118201616... 57, 67, 77, 87
7118222850..... 97
7118225650..... 43, 45
7118267250..... 493
7120000036..... 493
7120000047..... 267
7120000053..... 97
7183000004..... 307
7189000014..... 97
7189000017..... 135, 137, 139, 141
7247000095..... 435, 437
7253000002... 19, 23, 29, 43, 45, 47, 51, 57, 67, 77, 87, 117, 119, 125, 135, 137, 139, 141, 143, 145, 149
7262000025..... 135, 137, 139, 141
7274000028..... 301
7274000040..... 298
7274000041..... 298, 301
7274000071..... 301
7274000076..... 263, 298, 301, 309, 311
7280000006..... 381, 383, 385
7295000029..... 263
7312000015..... 491
7312000016..... 491
7312000017..... 263
7314000010..... 327
7330000143..... 480
7330000278..... 543
7330000689..... 480
7330000728..... 327
7345001714..... 327, 377
7345211702..... 327
7345242202..... 371
7346000039..... 327, 377, 435
7346000040..... 351
7346000045..... 371
7346000055..... 467
7346000078..... 467
7346000131..... 351
7346000241..... 327
7413000002..... 127, 267
7430000004..... 298
7440000000. 43, 45, 135, 137, 139, 141
744003000029, 117, 119, 125, 135, 137, 139, 141, 143, 145, 147, 149, 163
7440030400..... 23
7443000108..... 298
7443000130..... 301
7443000139..... 263, 321
7443000145..... 491
7443000146..... 491
7443000148..... 263, 491
7443000149..... 263
7443000154..... 263
7443000156..... 263
7443000158..... 298
7443000173..... 263
7443000177..... 263
7443000204..... 114
7443000205..... 114
7443000258..... 298
7443000329..... 263, 321
7443000414..... 263
7443000448..... 263, 321
7444020013..... 263
7444030037..... 263
7445040421..... 321
7445040425..... 298
7445040443..... 298
7445040445..... 112
7445040449..... 491
7445040645..... 298
7445060643..... 298
7445060646..... 299
7445060648..... 299
7445080644..... 298
7445080843..... 298, 323, 325
7445080845..... 325
7445081045..... 298
7445100843.....298, 309, 311, 315
7445100845.....298, 309, 311, 313, 315
7445101043.....298, 309, 313
7445101045.....313
7445121243.....298
7445161620.....298
7445161643.....298
7446060435.....263, 491
7446502518.....263, 491
7454000003.....165
7454000004.....165
7454000005.....165
7454000006.....165
7470000002.....298
7470000003.....307
7470000006.....263
7470000014.....48, 52
7470000019.....48, 52
7470000023.....298
7493000003.....343, 345, 349, 363
7493000021.....433
7561000020.....513
7561000022.....515
7565000014.....263, 491
7565000016.....263, 321
7577000368.....543
7590000358.....175, 177, 179, 209, 399, 415, 417, 419
7590000359.....415
7636000006.....305
7636000008.....247, 249, 251, 253, 255
7660102601.....263, 327, 343, 345, 349, 363
7660142600.....203
7660142601.....239, 267, 343, 345, 349
7660142604....47, 51, 77, 87
7660150001.....298
7660152601.....207, 263, 298, 301, 309, 311, 329, 363, 371, 467
7660160000.....331, 351, 353
7660162301.....117, 119, 135, 137, 139, 141
766016260129, 225, 227, 239, 243, 267, 329, 427
7660172601.....367, 369
7660180000.....301
7660182301.....247, 249, 251, 253, 255
7660182601....15, 31, 47, 51, 57, 67, 97, 121, 305, 365, 411, 427
7660200001.....114, 169, 247, 249, 251, 253, 255
7660200200.....114
7660202601.....135, 137, 139, 141
7660220001.....113

7660220230 15
7660222601 . 43, 45, 135, 137, 139, 141
7661000018 ... 57, 67, 77, 87
7661000019 ..... 123, 145, 147
7661000023 ..... 279, 283, 289
7661000041 263
7661000064 29
7690153245 113
7691000020 543
7691000021 165
7691000025 ..... 29, 493
7691000026 543
7691000048 23
7701000025 307
77104225 .. 80, 81, 84, 85
7736000001 415
7754000018 ..... 135, 137, 139, 141
7754000033 29
7754000042 163
7754000043 ..... 143, 145, 147, 149
7754000048 29
7754000049 ..... 77, 87
7754000051 ..... 135, 137, 139, 141
7754000055 ..... 47, 51
7754000059 . 57, 67, 117, 119
7759000004 ..... 480, 543
7759000018 37
7785152420 ..... 263, 298, 301, 309, 311
7785181200 ..... 130, 131
7790141251 ..... 199, 201, 341, 421
7796000012 ..... 187, 189, 191, 193, 195, 197, 213, 215, 217
7796000051 307
7809000004 ..... 57, 67
7854000004 367
7865182065 301
7870000043 371
7894000004 ..... 269, 271, 273, 275, 277, 279, 281, 283, 285, 287, 289, 291, 401, 403, 405, 454, 458
7894000010 ..... 425, 435, 437
7894000028 543
7894000037 543
7894000041 543
7894000042 427
7894000057 543
7894000060 543
7935000116 301
7935000120 263
7935000248 263
7935000280 333
7949000015 305
7949000016 305
7949000019 ..... 169, 247, 249, 251, 253, 255
7949000020 ..... 247, 249, 251, 253, 255
7949000072 ..... 411, 427
7950100143 ..... 263, 343, 345, 349, 363, 365
7950100151 327
7950140000 ..... 143, 145, 147, 245
7950140003 ..... 127, 267
7950140141 ..... 257, 259, 351, 353, 381, 383
7950140143 ..... 123, 127, 203, 231, 233, 235, 237, 239, 245, 267, 269, 275, 343, 345, 349
7950140163 ..... 199, 201
7950150143 ..... 263, 298, 363, 371
7950150153 ..... 207, 329
7950150161 ..... 301, 309, 311, 467
7950160000 ..... 298, 331, 351, 353
7950160003 ..... 435, 437
7950160141 ..... 225, 227
7950160143 23, 221, 223, 225, 227, 229, 231, 239, 241, 243, 245, 267, 329
7950160153 ..... 351, 353
7950160161 ..... 331, 427
7950160163 ..... 435, 437
7950170000 112
7950180000 .... 70, 71, 74, 75, 91, 95, 112, 113, 114, 145, 301, 513, 515
7950180141 305
7950180153 .... 15, 57, 67, 143, 147, 149
7950180161 121
7950180800 .... 70, 74, 90, 94, 112
7950200151 114
7950200161 ..... 247, 249, 251, 253, 255
7950220000 ..... 97, 113
79502201419 7, 135, 137, 139, 141
7950220151 113
7978000011 371
80334251 17
80963067 389
8220035 379
8220099 461
8220125 389
8220904 ..... 453, 457
8220935 461
8229242 ..... 389, 390
8229244 ..... 389, 390
8406101 298
8481460009 ..... 33, 39
8565000007 ..... 299, 313, 315
8565000026 301
8594100003 327
8597650001 371
8597650002 ..... 321, 433
8632000011 ..... 247, 249, 251, 253, 255
8632000012 267
8632760025 243
86974034 ... 71, 75, 91, 95
8760477 298
8798820001 ..... 171, 187, 189, 191, 193, 195, 197, 205, 263, 409
88671001 19
88671008 .. 47, 51, 57, 67, 77, 87
8892040001 55, 187, 189, 191, 193, 195, 197
9020960002 114
9064960001 114
9073960002 113
9082960013 .... 70, 74, 90, 94, 112
9082960014 ..... 112, 113
9082960015 113
9082960018 ..... 70, 74
91164056 333
9120960019 ... 91, 95, 114
9120960020 113
9120960024 .... 60, 64, 80, 84, 130
9120960042 ..... 81, 85
9120960054 ..... 60, 64
9120960063 114
91503106 463
9154960027 113
9177960001 113
9177960002 112
9178960011 114
9183960001 .... 71, 75, 91, 95, 112, 113
9209960025 ..... 71, 75
9209960026 .... 71, 75, 91, 95
9280960002 113
9281960004 113
9309960011 ..... 71, 75
9314960022 ..... 71, 75
9330960006 ..... 71, 75
9443960006 ... 70, 74, 112
9443960010 ..... 80, 84
9443960019 ... 60, 64, 130
9472960029 112
9472960030 113
9472960032 112
9472960033 112
9472960036 113
9472960054 ..... 71, 75
9472960055 ..... 71, 75
9571960006 ... 70, 74, 112
9575960012 ..... 70, 74
9577960113 113
9577960119 ... 90, 94, 112
9577960120 ... 90, 94, 112
9577960270 ..... 71, 75
9661960022 ..... 60, 64
9661960033 ... 91, 95, 113
9661960034 ..... 91, 95
9690960039 114
9691960019 114
9691960021 ... 70, 74, 90, 94, 112
9691960032 .. 61, 65, 131
9698960008 ... 70, 74, 90, 94, 112
9698960009 113
9698960010 113
9698960015 ... 71, 75, 91, 95
9698960016 ..... 71, 75
9701960010 112
9701960011 ... 71, 75, 91, 95, 114
9701960012 ... 71, 75, 91, 95, 114
9701960013 112
9701960018 ... 71, 75, 91, 95
9706960023 ..... 70, 74
9706960025 ..... 70, 74
9706960027 112
9754960026 ... 71, 75, 91, 95
9754960029 ..... 112, 113
9754960030 113
9754960046 ... 71, 75, 91, 95
9754960047 ... 71, 75, 91, 95
9796960085 ..... 112, 113
9796960087 ..... 112, 113
9796960088 112
9796960089 ..... 70, 74
9796960090 .. 70, 74, 112
9796960093 113
9796960118 ... 71, 75, 91, 95
9796960119 ... 71, 75, 91, 95
9796960120 ..... 71, 75
9796960121 ..... 70, 74
9796960145 ..... 90, 94
9796960188 ... 90, 91, 94, 95
9806960013 112
9806960014 112
9806960015 113
9806960019 ..... 70, 74
9806960020 ..... 71, 75
9831960007 113
9831960008 ..... 90, 94
9831960009 114
9831960018 ..... 70, 74
9843960023 .. 91, 95, 114
9843960024 ... 70, 71, 74, 75
9843960025 113
9843960032 ... 71, 75, 91, 95
9912960010 114
9935960026 .. 70, 74, 112
9949000056 ..... 90, 94
9949960012 114
9949960013 113
9949960027 ..... 71, 75

SECTION 10 - BUILD DOCUMENTS

9949960028....70, 71, 74, 75
9949960050 . 91, 95, 113, 114
9949960051..... 113
9949960057 .....90, 94
9970418177 ... 61, 65, 80, 81, 84, 85, 131
9970456008....60, 64, 80, 84, 130
TP_REF.....546

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