



Illustrated Parts Manual

***Model
1043***

**PVC
2305**

**P/N
31221594**

October 9, 2023 - Rev B

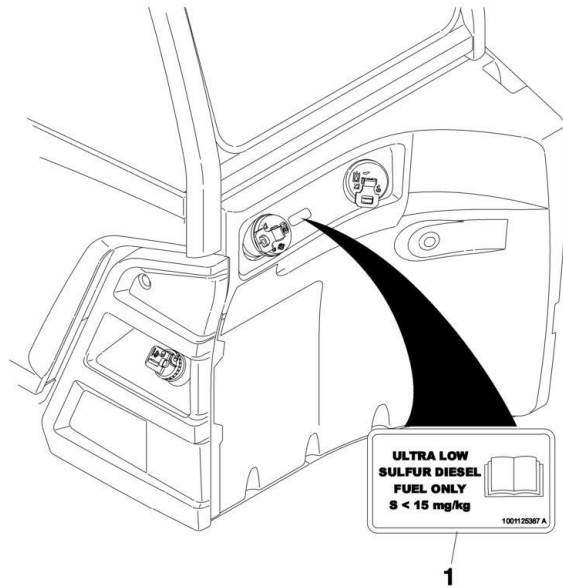
EFFECTIVITY PAGE

May 1, 2023 - A - Original Issue of Manual (Edited to B/M 1001162008 Revision BL)
October 9, 2023 - B - Revised Manual (Edited to 1001162008 Revision BP)

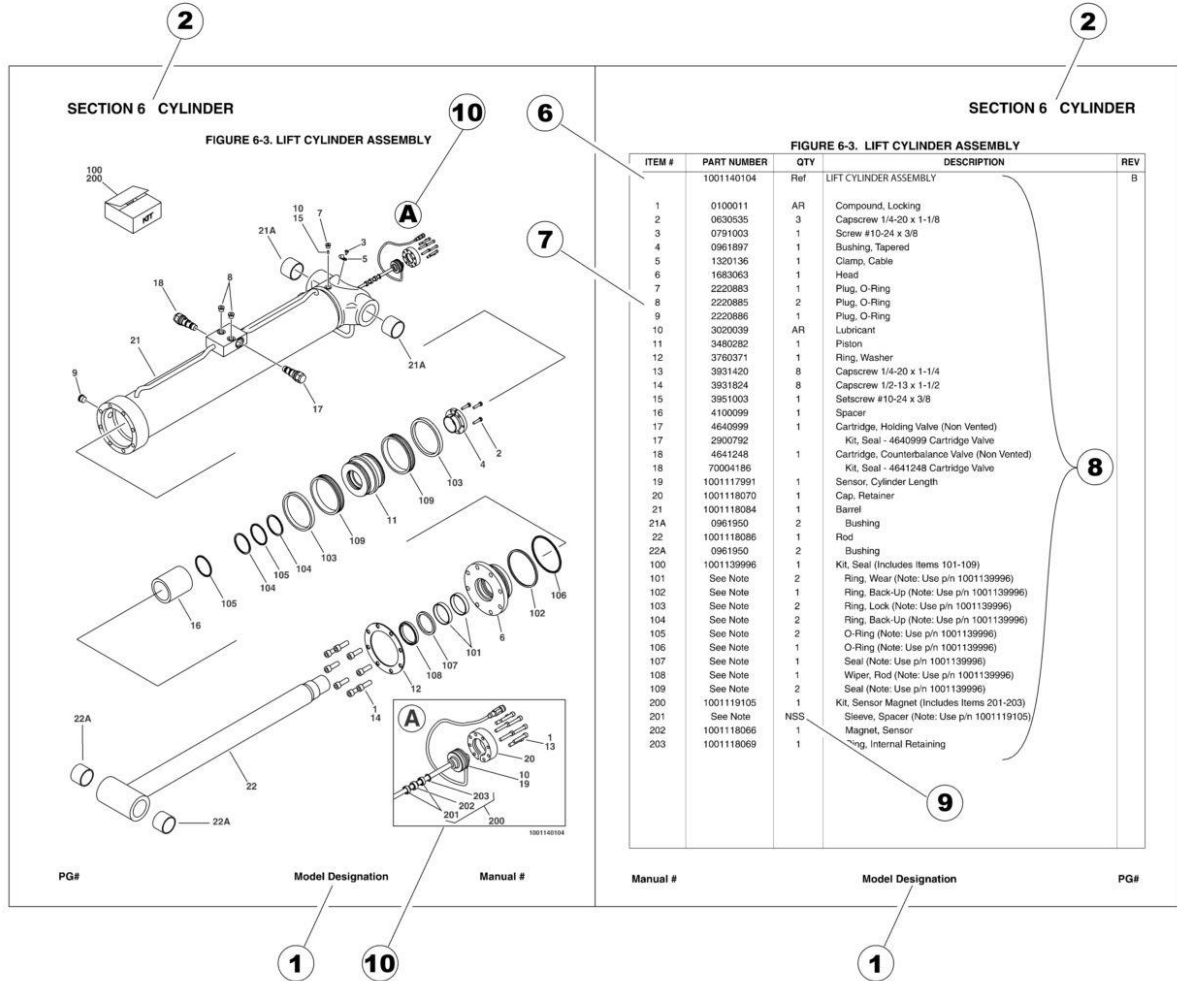
Machine Configuration

Two configurations of each machine are included in this manual. Determine if machine is equipped with Ultra Sulfur Fuel Decal (1) as indicated below.

- If equipped with the Ultra Low Sulfur decal, all specific references to this machine configuration will be referred to as Ultra Low Sulfur (ULS) from this point forward.
- If not equipped with the Ultra Low Sulfur decal, all specific references to this machine configuration will be referred to as Low Sulfur (LS) from this point forward.



GENERAL INFORMATION



1) MACHINE IDENTIFICATION

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

2) PARTS MANUAL ORGANIZATION

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

3) TABLE OF CONTENTS (NOT SHOWN)

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

4) RECOMMENDED SPARE PARTS (NOT SHOWN)

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

5) PART NUMBER INDEX (NOT SHOWN)

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

GENERAL INFORMATION

6) NON-SERVICED PARTS

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

7) PARTS LIST ITEM NUMBERS

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

8) INDENTED PARTS DESCRIPTION

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

9) ABBREVIATION AND SYMBOLS

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

10) ILLUSTRATION REFERENCE LETTERS

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

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

TABLE OF CONTENTS

SECTION 1 - FRAME AND ATTACHING PARTS.....	19
FIGURE 1-1. ENGINE ENCLOSURE INSTALLATION.....	20
FIGURE 1-2. ENGINE ENCLOSURE COVER INSTALLATION	22
FIGURE 1-3. HOOD ASSEMBLY	24
FIGURE 1-4. COVER INSTALLATION (OUTRIGGERS) (ULS)	26
FIGURE 1-5. COVER INSTALLATION (OUTRIGGERS) (LS).....	28
FIGURE 1-6. TANK INSTALLATION	30
FIGURE 1-7. FUEL TANK INSTALLATION	32
FIGURE 1-8. HYDRAULIC TANK INSTALLATION	34
FIGURE 1-9. FUEL CAP ASSEMBLY	36
FIGURE 1-10. OUTRIGGERS INSTALLATION	38
FIGURE 1-11. MIRROR INSTALLATION.....	40
FIGURE 1-12. BOOM PROP INSTALLATION (ANSI).....	42
FIGURE 1-13. BOOM PROP INSTALLATION (CANADA)	44
FIGURE 1-14. BOOM PROP BRACKET	46
FIGURE 1-15. COUNTERWEIGHT INSTALLATION.....	48
SECTION 2 - BOOM	51
FIGURE 2-1. BOOM ASSEMBLY.....	52
FIGURE 2-2. FIRST BOOM SECTION ASSEMBLY.....	54
FIGURE 2-3. SECOND BOOM SECTION ASSEMBLY.....	56
FIGURE 2-4. THIRD BOOM SECTION ASSEMBLY	58
FIGURE 2-5. RETRACT CHAIN INSTALLATION	60
FIGURE 2-6. EXTEND CHAIN INSTALLATION	62
FIGURE 2-7. PINS INSTALLATION	64
FIGURE 2-8. RETRACT CHAIN SHEAVE	66
FIGURE 2-9. EXTEND CHAIN ROLLER	68
FIGURE 2-10. HOSE BRACKET INSTALLATION.....	70
FIGURE 2-11. BOOM PINNING INSTALLATION.....	72
FIGURE 2-12. LIFT CYLINDER PINS INSTALLATION.....	74
FIGURE 2-13. COMPENSATION CYLINDER PINS INSTALLATION	76
FIGURE 2-14. BOOM PIVOT PIN INSTALLATION	78
FIGURE 2-15. MANUAL QUICK COUPLER INSTALLATION	80
FIGURE 2-16. HYDRAULIC QUICK COUPLER INSTALLATION	82
FIGURE 2-17. BOOM PIN INSTALLATION.....	84
FIGURE 2-18. TILT CYLINDER PIN INSTALLATION	86
FIGURE 2-19. BOOM ANGLE INDICATOR INSTALLATION	88
FIGURE 2-20. BOOM BRUSHES INSTALLATION	90
FIGURE 2-21. QUICK COUPLER ASSEMBLY	92
SECTION 3 - ATTACHMENTS	95
FIGURE 3-1. BASKET, PERSONNEL - 4FT X 8FT (ASME)	96
FIGURE 3-2. BASKET, PERSONNEL - 4FT X 8FT (DOMESTIC)	98
FIGURE 3-3. BASKET, PERSONNEL - 4FT X 8FT (ISO)	100
FIGURE 3-4. BASKET, FORK MOUNTED.....	102

TABLE OF CONTENTS

FIGURE 3-5. BOOM - ADJUSTABLE (CARRIAGE MOUNTED)104

FIGURE 3-6. BOOM - ADJUSTABLE (FORK MOUNTED)106

FIGURE 3-7. BOOM - 3FT WITH WINCH.....108

FIGURE 3-8. BOOM - 12FT WITH WINCH.....110

FIGURE 3-9. BOOM - 12FT WITHOUT WINCH112

FIGURE 3-10. BOOM - 15FT WITHOUT WINCH114

FIGURE 3-11. BUCKET - 60IN (1.3 CU YD) (FORK MOUNTED)116

FIGURE 3-12. BUCKET - 72IN (1.0 CU YD).....118

FIGURE 3-13. BUCKET - 96IN (1.5 CU YD).....120

FIGURE 3-14. BUCKET - 96IN GRAPPLE122

FIGURE 3-15. BUCKET - 102IN (2.0 CU YD).....124

FIGURE 3-16. CARRIAGE ASSEMBLY - 48IN/12000# CAPACITY SIDE SHIFT126

FIGURE 3-17. CARRIAGE ASSEMBLY - 50IN/1270MM128

FIGURE 3-18. CARRIAGE ASSEMBLY - FORK POSITIONING WITH FORKS (4.5 TON).....130

FIGURE 3-19. CARRIAGE ASSEMBLY - 50IN/12000# CAPACITY SIDE TILT132

FIGURE 3-20. CARRIAGE ASSEMBLY - 60IN/1524MM134

FIGURE 3-21. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY SIDE TILT136

FIGURE 3-22. CARRIAGE ASSEMBLY - 72IN/1829MM138

FIGURE 3-23. CARRIAGE ASSEMBLY - 72IN 90 DEGREE SWING.....140

FIGURE 3-24. CARRIAGE ASSEMBLY - 72IN/12000# CAPACITY SIDE TILT142

FIGURE 3-25. CARRIAGE ASSEMBLY - DRYWALL (SWING).....144

FIGURE 3-26. CARRIAGE ASSEMBLY - DRYWALL SWING CARRIAGE146

FIGURE 3-27. CARRIAGE ASSEMBLY - DRYWALL BOARD HANDLER148

FIGURE 3-28. CARRIAGE ASSEMBLY - DRYWALL PIVOT FRAME.....150

FIGURE 3-29. CARRIAGE ASSEMBLY - DRYWALL CYLINDER152

FIGURE 3-30. CARRIAGE ASSEMBLY - DRYWALL HYDRAULICS154

FIGURE 3-31. CARRIAGE ASSEMBLY - DRYWALL VALVE ASSEMBLY156

FIGURE 3-32. CARRIAGE ASSEMBLY - DRYWALL CYLINDER158

FIGURE 3-33. CARRIAGE ASSEMBLY - DRYWALL FORKS.....160

FIGURE 3-34. FORK 2X2X48 / 1940# CAPACITY162

FIGURE 3-35. FORK 2.36X4X48 / 5000# CAPACITY164

FIGURE 3-36. FORK 2.36X4X48 / 5475# CAPACITY166

FIGURE 3-37. FORK 2.00X6X48 / 6005# CAPACITY168

FIGURE 3-38. FORK 2.36X5X48 / 6850# CAPACITY170

FIGURE 3-39. FORK 2.36X4X60 / 5000# CAPACITY172

FIGURE 3-40. FORK 2.36X5X60 / 6850# CAPACITY174

FIGURE 3-41. FORK 2.36X6X60 / 8150# CAPACITY176

FIGURE 3-42. FORK 2.00X6X72 / 6610# CAPACITY178

FIGURE 3-43. FORK 2.36X5X72 / 6850# CAPACITY180

FIGURE 3-44. FORK 40X150X1540182

FIGURE 3-45. FORK 50X180X1540184

FIGURE 3-46. FORK EXTENSION - 90IN186

FIGURE 3-47. FORK CLAMPS INSTALLATION188

FIGURE 3-48. HOOK, COUPLING190

FIGURE 3-49. HOOK, CRANE192

TABLE OF CONTENTS

FIGURE 3-50. MAST, VERTICAL - 8FT (STANDARD)	194
FIGURE 3-51. MAST, VERTICAL - 8FT (SIDE TILT ELECTRIC MAST)	198
FIGURE 3-52. MAST, VERTICAL - DECAL KIT	204
FIGURE 3-53. MAST, VERTICAL - CYLINDER	206
FIGURE 3-54. SWEEPER ASSEMBLY	208
FIGURE 3-55. SWEEPER ASSEMBLY - HOPPER.....	210
FIGURE 3-56. SWEEPER ASSEMBLY - BODY	212
FIGURE 3-57. SWEEPER ASSEMBLY - MOTOR	214
FIGURE 3-58. SWEEPER ASSEMBLY - IDLER	216
FIGURE 3-59. SWEEPER ASSEMBLY - CORE	218
FIGURE 3-60. SWEEPER ASSEMBLY - HYDRAULIC SINGLE MOTOR ASSEMBLY	220
FIGURE 3-61. TRASH HOPPER.....	222
SECTION 4 - ENGINE AND ATTACHING PARTS	225
FIGURE 4-1. ENGINE INSTALLATION, 110HP (ULS).....	226
FIGURE 4-2. ENGINE COMPONENTS, 110HP (ULS)	228
FIGURE 4-3. ENGINE INSTALLATION, 110HP (LS)	230
FIGURE 4-4. ENGINE COMPONENTS, 110HP (LS)	232
FIGURE 4-5. ENGINE MOUNTING INSTALLATION	234
FIGURE 4-6. ENGINE PARTS INSTALLATION (NO HEATER).....	236
FIGURE 4-7. ENGINE PARTS INSTALLATION (HEATER)	238
FIGURE 4-8. A/C PUMP INSTALLATION (LS)	240
FIGURE 4-9. A/C PUMP INSTALLATION (ULS).....	242
FIGURE 4-10. A/C LINES INSTALLATION	244
FIGURE 4-11. AIR CLEANER INSTALLATION (LS).....	246
FIGURE 4-12. AIR CLEANER INSTALLATION (ULS)	248
FIGURE 4-13. AIR CLEANER FILTER ASSEMBLY (ULS)	250
FIGURE 4-14. AIR CLEANER ASSEMBLY, 110HP	252
FIGURE 4-15. AIR INTAKE DUCT INSTALLATION.....	254
FIGURE 4-16. AIR CLEANER LINES INSTALLATION (LS).....	256
FIGURE 4-17. AIR CLEANER LINES INSTALLATION (ULS).....	258
FIGURE 4-18. AIR INTAKE SHUT OFF VALVE INSTALLATION	260
FIGURE 4-19. COOLING PACKAGE INSTALLATION (LS)	262
FIGURE 4-20. COOLING PACKAGE INSTALLATION (ULS)	264
FIGURE 4-21. CAC LINES INSTALLATION (LS).....	266
FIGURE 4-22. CAC LINES INSTALLATION (ULS)	268
FIGURE 4-23. COOLANT LINES INSTALLATION (LS)	270
FIGURE 4-24. COOLANT LINES INSTALLATION (ULS).....	272
FIGURE 4-25. HOC LINES INSTALLATION	274
FIGURE 4-26. RADIATOR COOLING PACKAGE.....	276
FIGURE 4-27. SURGE TANK INSTALLATION	278
FIGURE 4-28. TOC LINES INSTALLATION.....	280
FIGURE 4-29. EXHAUST INSTALLATION, 110HP (LS)	282
FIGURE 4-30. MUFFLER INSTALLATION (LS).....	284
FIGURE 4-31. DEF LINES INSTALLATION	286
FIGURE 4-32. EXHAUST INSTALLATION, 110HP (ULS)	288

TABLE OF CONTENTS

FIGURE 4-33. DEF TANK INSTALLATION	290
FIGURE 4-34. DEF TANK ASSEMBLY.....	292
FIGURE 4-35. DEF BREATHER VALVE	294
FIGURE 4-36. DEF PUMP AND CONTROL INSTALLATION.....	296
FIGURE 4-37. UREA PUMP	298
FIGURE 4-38. DEF PUMP LINES INSTALLATION	300
FIGURE 4-39. FUEL LINES INSTALLATION (LS).....	302
FIGURE 4-40. FUEL LINES INSTALLATION (ULS)	306
FIGURE 4-41. FAN INSTALLATION, 110HP	310
FIGURE 4-42. FAN GUARD INSTALLATION	312
FIGURE 4-43. FUEL TANK ASSEMBLY.....	314
FIGURE 4-44. PRIMARY FUEL FILTER INSTALLATION (LS).....	316
FIGURE 4-45. PRIMARY FUEL FILTER INSTALLATION (ULS)	318
FIGURE 4-46. ENGINE OIL QUICK DRAIN INSTALLATION	320
SECTION 5 - DRIVE TRAIN	323
FIGURE 5-1. TRANSMISSION INSTALLATION.....	324
FIGURE 5-2. POWERSHIFT TRANSMISSION	326
FIGURE 5-3. TRANSMISSION, ENGINE CONNECTION.....	330
FIGURE 5-4. TRANSMISSION, CONVERTER.....	332
FIGURE 5-5. TRANSMISSION, INPUT.....	334
FIGURE 5-6. TRANSMISSION, HOUSING GROUP 1.....	336
FIGURE 5-7. TRANSMISSION, HOUSING GROUP 2.....	338
FIGURE 5-8. TRANSMISSION, CLUTCH GROUP 1.....	340
FIGURE 5-9. TRANSMISSION, CLUTCH GROUP 2.....	342
FIGURE 5-10. TRANSMISSION, COUPLING GROUP 1.....	344
FIGURE 5-11. TRANSMISSION, COUPLING GROUP 2.....	346
FIGURE 5-12. TRANSMISSION, COUPLING GROUP 3.....	348
FIGURE 5-13. TRANSMISSION, COUPLING GROUP 4.....	350
FIGURE 5-14. TRANSMISSION, OUTPUT.....	352
FIGURE 5-15. TRANSMISSION, POWER TAKE-OFF	354
FIGURE 5-16. TRANSMISSION, CONTROL UNIT.....	356
FIGURE 5-17. TRANSMISSION, SHIFT SYSTEM	358
FIGURE 5-18. TRANSMISSION, PRESSURE REGULATOR	360
FIGURE 5-19. TRANSMISSION, PRESSURE OIL PUMP.....	362
FIGURE 5-20. TRANSMISSION, INDUCTIVE TRANSMITTER.....	364
FIGURE 5-21. TRANSMISSION, FILTER	366
FIGURE 5-22. TRANSMISSION, ACCESSORIES GROUP 1	368
FIGURE 5-23. TRANSMISSION, PERIPHERALS GROUP 1	370
FIGURE 5-24. TRANSMISSION, PERIPHERALS GROUP 2	372
FIGURE 5-25. TRANSMISSION, ACCESSORIES GROUP 2	374
FIGURE 5-26. TRANSMISSION, TRANSFER BOX.....	376
FIGURE 5-27. TRANSMISSION, TRANSFER BOX HOUSING 1.....	378
FIGURE 5-28. TRANSMISSION, TRANSFER BOX HOUSING 2.....	380
FIGURE 5-29. TRANSMISSION, TRANSFER BOX HOUSING INPUT	382
FIGURE 5-30. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 1	384

TABLE OF CONTENTS

FIGURE 5-31. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 2	386
FIGURE 5-32. DRIVE SHAFTS INSTALLATION.....	388
FIGURE 5-33. FRONT DRIVE SHAFT INSTALLATION.....	390
FIGURE 5-34. FRONT DRIVE SHAFT ASSEMBLY	392
FIGURE 5-35. REAR DRIVE SHAFT INSTALLATION	394
FIGURE 5-36. DRIVETRAIN INSTALLATION.....	396
FIGURE 5-37. FRONT AXLE INSTALLATION	398
FIGURE 5-38. FRONT AXLE LINES INSTALLATION.....	400
FIGURE 5-39. FRONT AXLE MOUNTING INSTALLATION.....	402
FIGURE 5-40. FRONT AXLE	404
FIGURE 5-41. FRONT AXLE, BRAKES	406
FIGURE 5-42. FRONT AXLE, CENTRAL HOUSING	408
FIGURE 5-43. FRONT AXLE, DIFFERENTIAL	410
FIGURE 5-44. FRONT AXLE, HUB REDUCTION.....	412
FIGURE 5-45. FRONT AXLE, STEERING	414
FIGURE 5-46. FRONT AXLE, TRUNION	416
FIGURE 5-47. FRONT AXLE, DIFFERENTIAL KIT.....	418
FIGURE 5-48. FRONT AXLE, PLANET GEAR CARRIER	420
FIGURE 5-49. FRONT AXLE, RING GEAR SUPPORT	422
FIGURE 5-50. FRONT AXLE, PLANET GEAR CARRIER	424
FIGURE 5-51. FRONT AXLE, SUPPORT	426
FIGURE 5-52. REAR AXLE INSTALLATION	428
FIGURE 5-53. REAR AXLE LINES INSTALLATION	430
FIGURE 5-54. REAR AXLE MOUNTING INSTALLATION	432
FIGURE 5-55. REAR AXLE.....	434
FIGURE 5-56. LSI AXLE SENSOR INSTALLATION	444
FIGURE 5-57. TIRE/WHEEL SET 360/85-28 - SOLID	446
FIGURE 5-58. TIRE/WHEEL SET 400/75-28 PNEUMATIC	448
FIGURE 5-59. TIRE/WHEEL SET 400/75-28 PNEUMATIC NON-MARKING	450
FIGURE 5-60. TIRE/WHEEL SET 400/75-28 - FOAM-FILLED	452
FIGURE 5-61. TIRE/WHEEL SET 400/75-28 NON-MARKING - FOAM-FILLED	454
FIGURE 5-62. TIRE/WHEEL SET 14-24 16PR PNEUMATIC	456
FIGURE 5-63. TIRE/WHEEL SET 14-24 12PR - FOAM-FILLED	458
FIGURE 5-64. TIRE/WHEEL SET 14-24 12PR - FOAM-FILLED (E-3) (SUNSHINE).....	460
FIGURE 5-65. TIRE/WHEEL SET 14-24 - FOAM-FILLED (E-3) (NON-MARKING) (SUNSHINE)	462
FIGURE 5-66. TIRE/WHEEL SET 14-24 SOLIDBOSS (DIRECTIONAL)	464
FIGURE 5-67. TIRE/WHEEL SET 14-24 SOLIDEAL (DIRECTIONAL)	466
FIGURE 5-68. TIRE/WHEEL SET 14-28 SOLIDBOSS (DIRECTIONAL)	468
FIGURE 5-69. TIRE/WHEEL SET 14-28 SOLIDBOSS (NON-DIRECTIONAL).....	470
FIGURE 5-70. TIRE/WHEEL SET 18 X 625 (PNEUMATIC TURF)	472
FIGURE 5-71. FENDER INSTALLATION.....	474
FIGURE 5-72. WHEEL CHOCK INSTALLATION	476
FIGURE 5-73. TOOLBOX INSTALLATION	478
SECTION 6 - CAB.....	481
FIGURE 6-1. CAB MOUNTING	482

TABLE OF CONTENTS

FIGURE 6-2. CAB MOUNTS INSTALLATION	484
FIGURE 6-3. FRONT CAB OUTRIGGER INSTALLATION	486
FIGURE 6-4. CAB FENDER INSTALLATION	488
FIGURE 6-5. CAB FENDER INSTALLATION REAR (LH)	490
FIGURE 6-6. OROPS CAB INSTALLATION	492
FIGURE 6-7. EROPS CAB INSTALLATION	494
FIGURE 6-8. CAB, TRIM KIT	496
FIGURE 6-9. CAB, TRIM KIT	498
FIGURE 6-10. OPEN CAB ASSEMBLY	500
FIGURE 6-11. LSI OPEN CAB INSTALLATION	502
FIGURE 6-12. OPEN CAB PLUG GROUP	504
FIGURE 6-13. CAB, EPD CAULK	506
FIGURE 6-14. ENCLOSED CAB ASSEMBLY	508
FIGURE 6-15. LSI EMCLOSED CAB INSTALLATION	510
FIGURE 6-16. REAR WINDOW INSTALLATION	512
FIGURE 6-17. REAR WINDOW INSTALLATION (WO/WIPER) (ANSI).....	514
FIGURE 6-18. REAR WINDOW INSTALLATION (WO/WIPER) (ISO).....	516
FIGURE 6-19. REAR WINDOW INSTALLATION (WO/WIPER) (ENG/SPAN)	518
FIGURE 6-20. REAR WINDOW ASSEMBLY	520
FIGURE 6-21. DOOR INSTALLATION	522
FIGURE 6-22. DOOR UPPER GLASS ASSEMBLY	524
FIGURE 6-23. CAB LATCH ASSEMBLY	526
FIGURE 6-24. CAB DOOR TRIGGER ASSEMBLY	528
FIGURE 6-25. DOOR ASSEMBLY	530
FIGURE 6-26. CAB DOOR	532
FIGURE 6-27. DOOR STRAP INSTALLATION	534
FIGURE 6-28. ENCLOSED CAB PLUG GROUP	536
FIGURE 6-29. LSI DISPLAY INSTALLATION (OPEN CAB)	538
FIGURE 6-30. LSI DISPLAY INSTALLATION (ENCLOSED CAB)	540
FIGURE 6-31. BASIC MIRROR INSTALLATION	542
FIGURE 6-32. FRONT COVER INSTALLATION	544
FIGURE 6-33. FIRE EXTINGUISHER INSTALLATION	546
FIGURE 6-34. FILTER TRAY PANEL	548
FIGURE 6-35. FRONT DUCT COVER.....	550
FIGURE 6-36. LEVEL INDICATOR INSTALLATION	552
FIGURE 6-37. SEAT INSTALLATION - CLOTH (ORANGE SEAT BELT)	554
FIGURE 6-38. SEAT INSTALLATION - VINYL	556
FIGURE 6-39. SEAT ASSEMBLY - CLOTH (ORANGE SEAT BELT).....	558
FIGURE 6-40. SEAT ASSEMBLY - VINYL	560
FIGURE 6-41. SEAT BELT INSTALLATION (3 INCH).....	562
FIGURE 6-42. HEATER INSTALLATION.....	564
FIGURE 6-43. HEATER AND A/C INSTALLATION (CAB PARTS).....	566
FIGURE 6-44. HEATER ASSEMBLY	570
FIGURE 6-45. HEATER ASSEMBLY	572
FIGURE 6-46. HEATER AND A/C ASSEMBLY	574

TABLE OF CONTENTS

FIGURE 6-47. HEATER AND A/C ASSEMBLY	576
FIGURE 6-48. CAB CONDENSER ASSEMBLY.....	578
FIGURE 6-49. A/C RECEIVER DRIER.....	580
FIGURE 6-50. CONDENSER	582
FIGURE 6-51. FRONT WIPER INSTALLATION.....	584
FIGURE 6-52. REAR WIPER INSTALLATION	586
FIGURE 6-53. ROOF WIPER INSTALLATION	588
FIGURE 6-54. HEADLINER INSTALLATION	590
FIGURE 6-55. TRIM INSTALLATION - OPEN CAB	592
FIGURE 6-56. TRIM INSTALLATION - ENCLOSED CAB.....	596
FIGURE 6-57. ARMREST	600
FIGURE 6-58. OPEN CAB FRONT COVER INSTALLATION	602
FIGURE 6-59. ENCLOSED CAB FRONT COVER INSTALLATION.....	604
FIGURE 6-60. ROOF CAP INSTALLATION (A/C).....	606
FIGURE 6-61. ROOF CAP INSTALLATION (NO A/C)	608
FIGURE 6-62. NON SKID TAPE INSTALLATION	610
FIGURE 6-63. EXTERNAL WINDOW RELEASE INSTALLATION (CAN & ISO)	612
FIGURE 6-64. WASHER TANK INSTALLATION	614
FIGURE 6-65. WASHER BOTTLE	616
FIGURE 6-66. CAB GUARD INSTALLATION (TOP AND FRONT).....	618
FIGURE 6-67. CAB GUARD INSTALLATION (TOP).....	620
FIGURE 6-68. CAB GUARD INSTALLATION (FRONT).....	622
FIGURE 6-69. ROOF PIGTAIL CAP INSTALLATION	624
FIGURE 6-70. ROOF PIGTAIL INSTALLATION.....	626
FIGURE 6-71. NO SUNSCREEN INSTALLATION.....	628
FIGURE 6-72. RETRACTABLE SUNSCREEN INSTALLATION	630
SECTION 7 - CONTROLS	633
FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION	634
FIGURE 7-2. ACCELERATOR PEDAL	636
FIGURE 7-3. BRAKE PEDAL INSTALLATION.....	638
FIGURE 7-4. BRAKE PEDAL	640
FIGURE 7-5. BRAKE PEDAL PLATE.....	642
FIGURE 7-6. COLUMN CLAMP INSTALLATION.....	644
FIGURE 7-7. HORN BUTTON INSTALLATION	646
FIGURE 7-8. JOYSTICK INSTALLATION (ELOBAU BRAND).....	648
FIGURE 7-9. JOYSTICK INSTALLATION (BOSCH/REXROTH BRAND)	650
FIGURE 7-10. JOYSTICK ASSEMBLY (ELOBAU BRAND).....	652
FIGURE 7-11. JOYSTICK ASSEMBLY (BOSCH BRAND).....	654
FIGURE 7-12. STEERING WHEEL INSTALLATION.....	656
FIGURE 7-13. OUTRIGGER SWITCHES INSTALLATION	658
FIGURE 7-14. STEERING COLUMN INSTALLATION.....	660
FIGURE 7-15. EMERGENCY STEERING COLUMN INSTALLATION.....	662
FIGURE 7-16. STEERING WHEEL	664
FIGURE 7-17. WIPER-TURN SWITCH	666

TABLE OF CONTENTS

SECTION 8 - HYDRAULIC CIRCUITS	669
FIGURE 8-1. MAIN HYDRAULIC INSTALLATION (OUTRIGGERS)	670
FIGURE 8-2. MAIN HYDRAULIC INSTALLATION, EMERGENCY STEERING (OUTRIGGERS)	672
FIGURE 8-3. BOOM HYDRAULIC INSTALLATION.....	674
FIGURE 8-4. BOOM AUXILIARY HYDRAULICS	676
FIGURE 8-5. BOOM AUXILIARY HYDRAULICS (HYDRAULIC COUPLER).....	678
FIGURE 8-6. QUICK COUPLER VALVE ASSEMBLY	680
FIGURE 8-7. BOOM HYDRAULIC TUBES INSTALLATION.....	682
FIGURE 8-8. CAB HYDRAULIC INSTALLATION	684
FIGURE 8-9. CAB HYDRAULIC INSTALLATION, EMERGENCY STEERING	686
FIGURE 8-10. COUNTERBALANCE VALVE INSTALLATION (LIFT - GLS NO RIDE CONTROL)	688
FIGURE 8-11. COUNTERBALANCE VALVE HYDRAULIC LINES (LIFT - RIDE CONTROL).....	690
FIGURE 8-12. COUNTERBALANCE VALVE HYDRAULIC LINES (LIFT - RIDE CONTROL).....	692
FIGURE 8-13. EMERGENCY STEERING MANIFOLD & FITTINGS ASSEMBLY	694
FIGURE 8-14. FRAME HYDRAULICS INSTALLATION.....	696
FIGURE 8-15. FRAME LEVEL INSTALLATION	700
FIGURE 8-16. FRAME LEVEL HYDRAULICS INSTALLATION (OUTRIGGERS)	702
FIGURE 8-17. PISTON PUMP INSTALLATION	704
FIGURE 8-18. PISTON PUMP ASSEMBLY.....	706
FIGURE 8-19. REAR AXLE STABILIZER INSTALLATION.....	708
FIGURE 8-20. VALVE INSTALLATION (OUTRIGGERS)	710
FIGURE 8-21. VALVE INSTALLATION - FRAME LEVEL AND OUTRIGGER.....	712
FIGURE 8-22. VALVE ASSEMBLY - FRAME LEVEL AND OUTRIGGER.....	714
FIGURE 8-23. VALVES INSTALLATION - MAIN & PRIORITY	716
FIGURE 8-24. VALVE INSTALLATION - MAIN	718
FIGURE 8-25. VALVE AND FITTINGS ASSEMBLY- MAIN.....	720
FIGURE 8-26. VALVE INSTALLATION – PRIORITY	722
FIGURE 8-27. VALVE ASSEMBLY - PRIORITY FUNCTION MANIFOLD	724
FIGURE 8-28. VALVE INSTALLATION - SAHR BRAKE	726
FIGURE 8-29. VALVE ASSEMBLY - SAHR BRAKE.....	728
FIGURE 8-30. VALVES MOUNTING INSTALLATION - STEER SELECT	730
FIGURE 8-31. VALVE INSTALLATION - STEER SELECT.....	732
FIGURE 8-32. VALVE AND FITTINGS ASSEMBLY- STEER SELECT	734
FIGURE 8-33. VALVE ASSEMBLY - GLS (NO RIDE CONTROL).....	736
SECTION 9 - HYDRAULIC COMPONENTS	739
FIGURE 9-1. COUPLER - HYDRAULIC COUPLER	740
FIGURE 9-2. CYLINDER GROUP INSTALLATION.....	742
FIGURE 9-3. CYLINDER ASSEMBLY - CARRIAGE SIDE SHIFT.....	744
FIGURE 9-4. CYLINDER ASSEMBLY - CARRIAGE SIDE TILT.....	746
FIGURE 9-5. CYLINDER ASSEMBLY - CARRIAGE SWING	748
FIGURE 9-6. CYLINDER ASSEMBLY - COMPENSATION	750
FIGURE 9-7. CYLINDER SUB-ASSEMBLY - EXTEND/RETRACT	752
FIGURE 9-8. CYLINDER ASSEMBLY - EXTEND/RETRACT.....	754
FIGURE 9-9. CYLINDER ASSEMBLY - FORK POSITIONING.....	756

TABLE OF CONTENTS

FIGURE 9-10. CYLINDER INSTALLATION - FRAME LEVEL.....	758
FIGURE 9-11. CYLINDER ASSEMBLY - FRAME LEVEL.....	760
FIGURE 9-12. CYLINDER ASSEMBLY - GRAPPLE BUCKET	762
FIGURE 9-13. LIFT CYLINDER ASSEMBLY, INSTALLATION.....	764
FIGURE 9-14. CYLINDER ASSEMBLY - LIFT	766
FIGURE 9-15. CYLINDER SUB-ASSEMBLY - QUICK COUPLER	768
FIGURE 9-16. CYLINDER ASSEMBLY - QUICK COUPLER.....	770
FIGURE 9-17. CYLINDER INSTALLATION - REAR AXLE STABILIZER.....	772
FIGURE 9-18. CYLINDER & VALVE INSTALLATION - STABILIZER (REAR AXLE) (SN 0160126807 to Present)	774
FIGURE 9-19. CYLINDER ASSEMBLY - STABILIZER (REAR AXLE).....	776
FIGURE 9-20. CYLINDER SUB-ASSEMBLY - TILT.....	778
FIGURE 9-21. CYLINDER ASSEMBLY - TILT	780
FIGURE 9-22. CYLINDER ASSEMBLY - OUTRIGGER	782
FIGURE 9-23. PUMP ASSEMBLY - PISTON.....	784
FIGURE 9-24. HYDRAULIC TANK.....	786
FIGURE 9-25. HYDRAULIC TANK FILTER ASSEMBLY	788
FIGURE 9-26. VALVE, AIR SHUT OFF.....	790
FIGURE 9-27. VALVE AND FITTINGS - CARRIAGE (DUAL FORK).....	792
FIGURE 9-28. VALVE - CARRIAGE DUAL FORK FLOW DIVIDER	794
FIGURE 9-29. VALVE ASSEMBLY - FRAME LEVEL AND OUTRIGGER	796
FIGURE 9-30. VALVE ASSEMBLY - MAIN CONTROL.....	798
FIGURE 9-31. VALVE ASSEMBLY – PRIORITY	800
FIGURE 9-32. VALVE ASSEMBLY - QUICK COUPLER	802
FIGURE 9-33. VALVE ASSEMBLY - SAHR BRAKE	804
FIGURE 9-34. VALVE ASSEMBLY - STABILIZER (REAR AXLE)	806
FIGURE 9-35. VALVE ASSEMBLY - STEERING.....	808
FIGURE 9-36. VALVE ASSEMBLY - STEERING ORBITAL	810
FIGURE 9-37. VALVE ASSEMBLY - STEERING SELECT.....	812
SECTION 10 - ELECTRICAL	815
FIGURE 10-1. MAIN ELECTRICAL INSTALLATION (ULS)	816
FIGURE 10-2. MAIN ELECTRICAL INSTALLATION (LS).....	818
FIGURE 10-3. A/C OPTION HARNESS	820
FIGURE 10-4. AIR SHUT OFF VALVE HARNESS - CAB.....	822
FIGURE 10-5. AIR SHUT OFF VALVE HARNESS - ENGINE	824
FIGURE 10-6. ALARM INSTALLATION - BACK UP (97DB)	828
FIGURE 10-7. ALARM INSTALLATION - BACK UP (120DB).....	830
FIGURE 10-8. ALARM INSTALLATION - BACK UP (WHITE NOISE)	832
FIGURE 10-9. ARCTIC COLD WEATHER PACKAGE INSTALLATION (ULS).....	834
FIGURE 10-10. ARCTIC COLD WEATHER PACKAGE INSTALLATION (LS)	836
FIGURE 10-11. BATTERY INSTALLATION	838
FIGURE 10-12. BATTERY INSTALLATION - ARCTIC PACKAGE	840
FIGURE 10-13. BOOM ANGLE SENSOR INSTALLATION (STANDARD)	842
FIGURE 10-14. BOOM ANGLE SENSOR INSTALLATION (LSI).....	844
FIGURE 10-15. BOOM ELECTRICAL HARNESS INSTALLATION	846
FIGURE 10-16. BOOM ELECTRIC HARNESS	848

TABLE OF CONTENTS

FIGURE 10-17. BOOM AUXILIARY ELECTRIC INSTALLATION.....	850
FIGURE 10-18. BOOM AUXILIARY ELECTRIC HARNESS INSTALLATION.....	852
FIGURE 10-19. CAB DASH ELECTRICAL (ULS).....	854
FIGURE 10-20. CAB DASH ELECTRICAL (LS)	856
FIGURE 10-21. CAB ELECTRICAL INSTALLATION.....	858
FIGURE 10-22. CAB ELECTRICAL BOARD ASSEMBLY	860
FIGURE 10-23. CAB ELECTRICAL COMMUNICATION CABLE	862
FIGURE 10-24. CAB HARNESS.....	864
FIGURE 10-25. CAB ELECTRICAL INSTALLATION - ENCLOSED.....	868
FIGURE 10-26. CAB ELECTRICAL INSTALLATION - OPEN	870
FIGURE 10-27. CAB OPTION 1 ELECTRICAL BOARD.....	872
FIGURE 10-28. CAB OPTION 2 ELECTRICAL BOARD.....	874
FIGURE 10-29. CAB OPTION HARNESS	876
FIGURE 10-30. CAB OPTION 1 HARNESS	878
FIGURE 10-31. CAB OPTION 2 HARNESS	882
FIGURE 10-32. CAB - KEY HARNESS.....	884
FIGURE 10-33. CAB MULTIFUNCTION DISPLAY INSTALLATION.....	886
FIGURE 10-34. CAB SEAT BELT ALARM HARNESS	888
FIGURE 10-35. CLEARSKY INSTALLATION	890
FIGURE 10-36. CLEARSKY INSTALLATION	892
FIGURE 10-37. CLEARSKY HARNESS	894
FIGURE 10-38. CLEARSKY TELEMATICS READY INSTALLATION	896
FIGURE 10-39. CLEARSKY TELEMATICS READY HARNESS	898
FIGURE 10-40. DEF PURGE LIGHT HARNESS (ULS).....	900
FIGURE 10-41. ENGINE - WIRING INSTALLATION (ULS).....	902
FIGURE 10-42. ENGINE - WIRING INSTALLATION (LS)	906
FIGURE 10-43. ENGINE HARNESS (ULS)	910
FIGURE 10-44. ENGINE HARNESS (LS).....	914
FIGURE 10-45. ENGINE BAY - ELECTRICAL INSTALLATION (ULS).....	918
FIGURE 10-46. ENGINE BAY - ELECTRICAL INSTALLATION (LS)	920
FIGURE 10-47. ENGINE BAY - WIRING INSTALLATION (ULS)	922
FIGURE 10-48. ENGINE BAY - WIRING INSTALLATION (LS)	924
FIGURE 10-49. ENGINE/CHASSIS HARNESS (ULS).....	926
FIGURE 10-50. ENGINE - ECU INSTALLATION (ULS)	930
FIGURE 10-51. ENGINE - ECU INSTALLATION (LS)	932
FIGURE 10-52. ENGINE TBAP HARNESS	934
FIGURE 10-53. FRAME - ELECTRICAL INSTALLATION	936
FIGURE 10-54. FRAME - POWER DISTRIBUTION BOX.....	938
FIGURE 10-55. FRAME - WIRING INSTALLATION (ULS).....	940
FIGURE 10-56. FRAME - WIRING INSTALLATION (LS)	942
FIGURE 10-57. FRAME HARNESS – FRONT	944
FIGURE 10-58. FRAME HARNESS - REAR.....	950
FIGURE 10-59. HEATER HARNESS - CUMMINS BREATHER (ULS).....	954
FIGURE 10-60. HEATER HARNESS - FUEL FILTER	956
FIGURE 10-61. HEATER HARNESS - HYDRAULIC TANK	958

TABLE OF CONTENTS

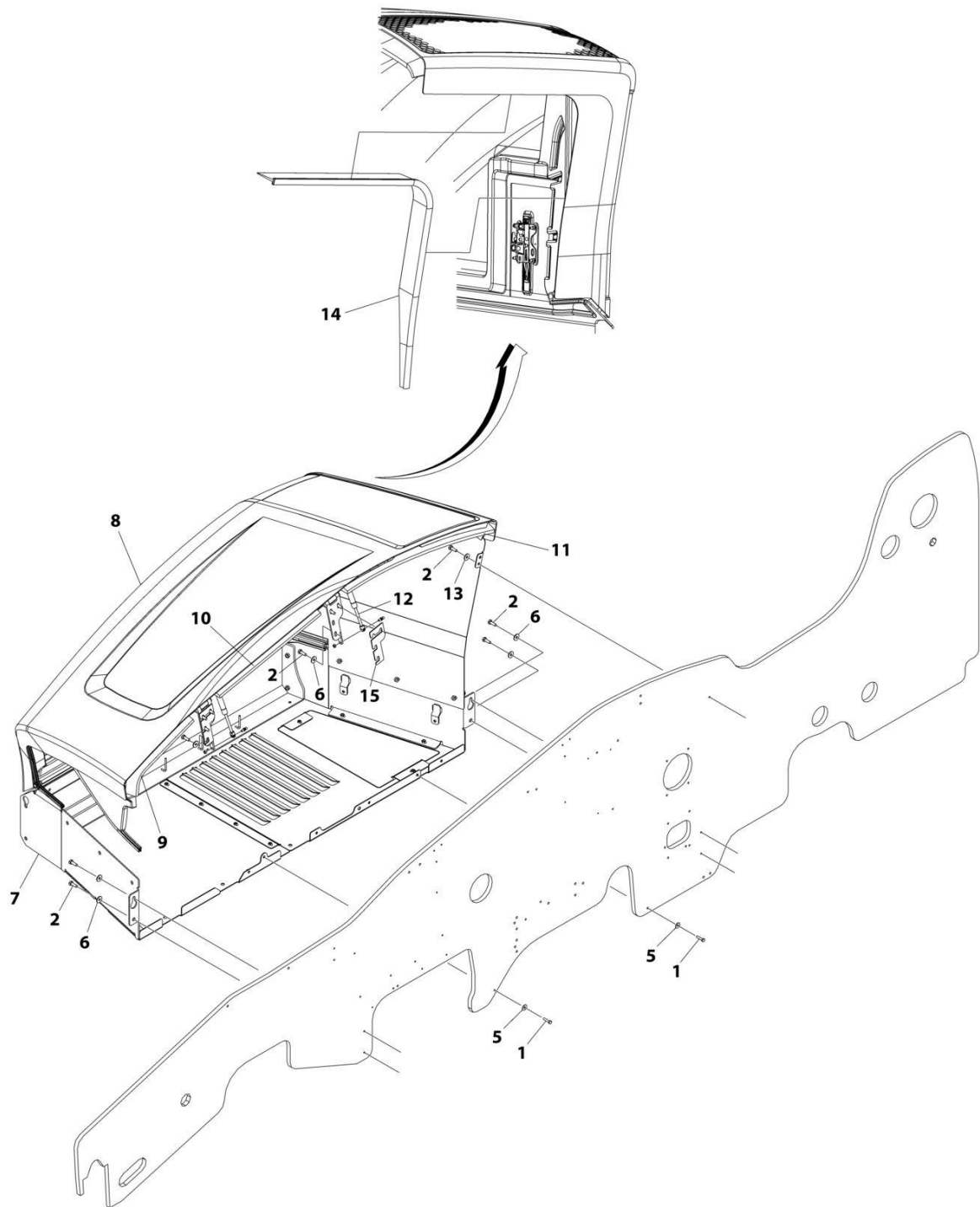
FIGURE 10-62. HVAC ACTUATOR HARNESS	960
FIGURE 10-63. LIGHTS - BOOM WORK LIGHTS SWITCH/HARNESS INSTALLATION (LED)	962
FIGURE 10-64. LIGHTS - BOOM WORK LIGHTS HARNESS INSTALLATION (LED)	964
FIGURE 10-65. LIGHTS - BOOM WORK LIGHTS HARNESS	966
FIGURE 10-66. LIGHTS - CAB WORK LIGHTS INSTALLATION (NO A/C) (LED)	968
FIGURE 10-67. LIGHTS - CAB WORK LIGHTS INSTALLATION (A/C) (LED)	970
FIGURE 10-68. LIGHTS - ROADLIGHTS INSTALLATION	972
FIGURE 10-69. LIGHTS - ROADLIGHTS HEADLIGHT HARNESS	974
FIGURE 10-70. LIGHTS - ROADLIGHTS TAILLIGHTS HARNESS	976
FIGURE 10-71. LIGHTS - SWITCH INSTALLATION	978
FIGURE 10-72. LSI HARNESS - BOOM RETRACT	980
FIGURE 10-73. OUTRIGGER HARNESS	982
FIGURE 10-74. PLATFORM HARNESS	984
FIGURE 10-75. REVERSE CAMERA INSTALLATION	986
FIGURE 10-76. MULTI VIEW CAMERA INSTALLATION (SN 0160122884 to Present)	988
FIGURE 10-77. REVERSE SENSOR INSTALLATION	990
FIGURE 10-78. REVERSE SENSOR HARNESS	992
FIGURE 10-79. RIDE CONTROL VALVE HARNESS INSTALLATION	994
FIGURE 10-80. RIDE CONTROL VALVE HARNESS	996
FIGURE 10-81. ROOF PIGTAIL HARNESS	998
FIGURE 10-82. USB CHARGER INSTALLATION	1000
SECTION 11 - DECALS	1003
FIGURE 11-1. DECAL INSTALLATION (ANSI)	1004
FIGURE 11-2. DECAL INSTALLATION HRC 110HP	1008
FIGURE 11-3. DECAL INSTALLATION (CSA ENGLISH/FRENCH)	1012
FIGURE 11-4. DECAL INSTALLATION HRC 74HP	1016
FIGURE 11-5. DECAL INSTALLATION HRC 74HP	1018
FIGURE 11-6. DECAL INSTALLATION (ISO)	1020
FIGURE 11-7. DECAL INSTALLATION (LATIN AMERICAN ENGLISH/SPANISH)	1024
FIGURE 11-8. BRAND AND MODEL DECAL INSTALLATION	1028
FIGURE 11-9. CAPACITY CHART BOOKLET (ANSI) (OUTRIGGERS)	1030
FIGURE 11-10. CAPACITY CHART BOOKLET (ISO) (OUTRIGGERS)	1032
FIGURE 11-11. CAPACITY CHART HOLDER INSTALLATION	1034
FIGURE 11-12. CLEARSKY DECAL INSTALLATION	1036
FIGURE 11-13. REVERSE SENSOR SYSTEM DECAL (ENGLISH)	1038
FIGURE 11-14. REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH)	1040
SECTION 12 - RECOMMENDED SERVICE PARTS STOCK	1043
FIGURE 12-1. RECOMMENDED SERVICE PARTS STOCK	1044
SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS	1047
FIGURE 13-1. SPECIAL OPTIONS/ACCESSORIES/KITS	1048
PART NUMBER INDEX	1051

SECTION 1 - FRAME AND ATTACHING PARTS

SECTION 1 - FRAME AND ATTACHING PARTS

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. ENGINE ENCLOSURE INSTALLATION



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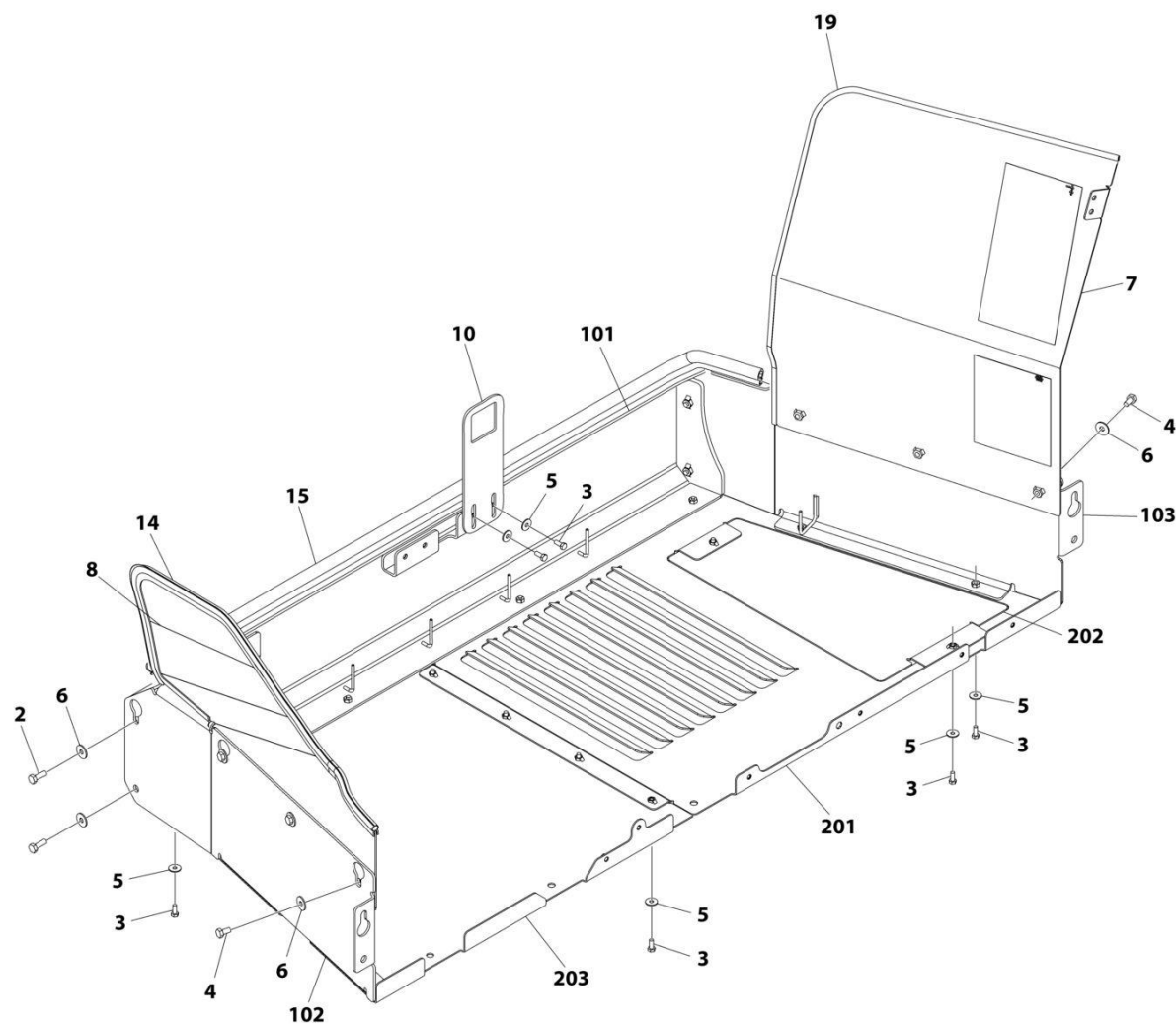
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. ENGINE ENCLOSURE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160253	Ref	Engine Enclosure Installation	J
1	0760815	2	Bolt, M8X35	
2	0701014	11	Bolt, M10X30	
5	4811902	2	Washer, M8	
6	4812002	10	Washer, M10	
7	1001162239	Ref	Installation, Engine Enclosure Cover (See Separate Breakdown in this Section)	
8	1001235963	Ref	Assembly, Hood (See Separate Breakdown in this Section)	
9	1001203932	1	Seal	
10	1001203933	1	Seal	
11	1001203934	1	Seal	
12	1001171885	2	Spring, Gas	
13	4812000	1	Washer, M10	
14	1001197339	1	Trim, Lock Seal	
15	1001241836	AR	Shim	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. ENGINE ENCLOSURE COVER INSTALLATION



ART_1001162239-N

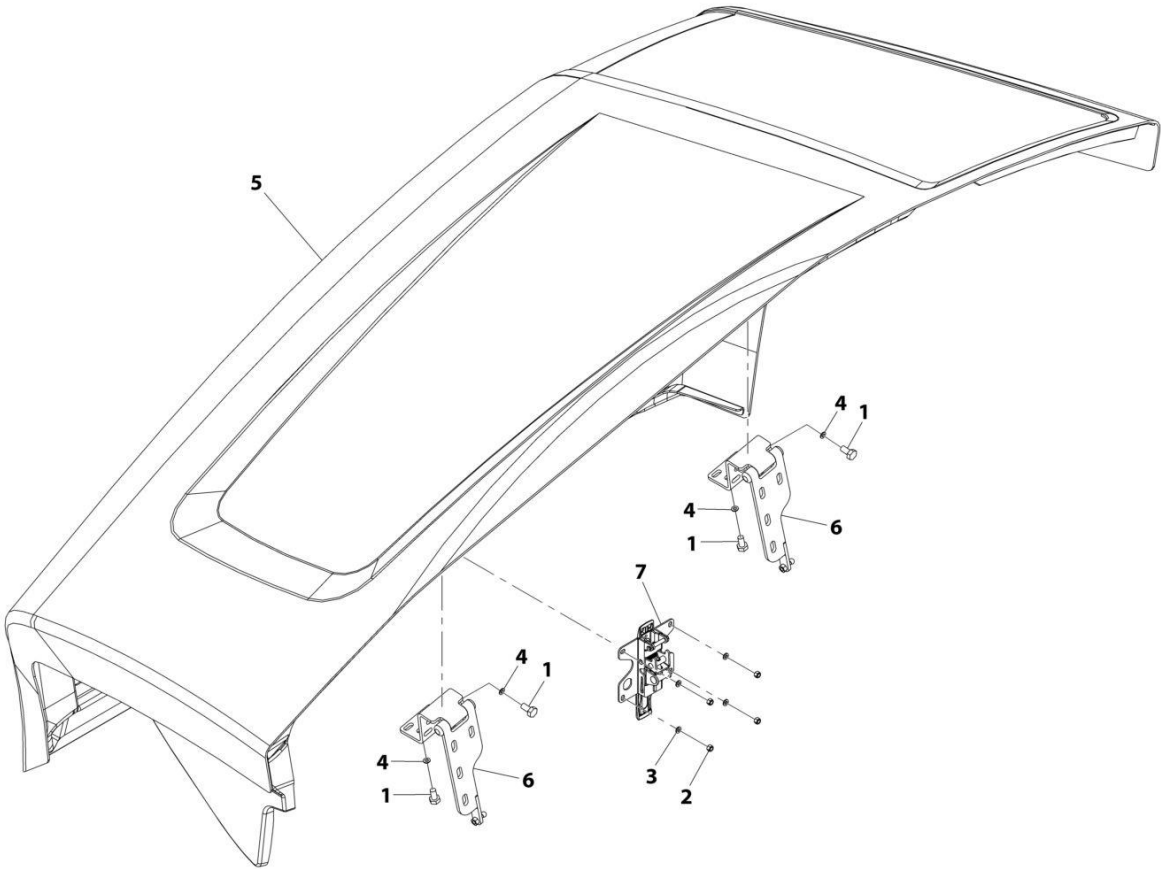
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. ENGINE ENCLOSURE COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162239	Ref	Engine Enclosure Cover Installation	N
2	0701014	4	Bolt, M10X30	
3	0760810	16	Bolt, M8X20	
4	0761010	6	Bolt, M10X20	
5	4811902	16	Washer, M8	
6	4812002	10	Washer, M10	
7	1001204086	1	Plate, Rear Cover	
8	1001184076	1	Panel, Front Cover	
10	1001209388	1	Latch, Hood	
14	1001003227	1375 mm	Seal	
15	1001204486	1795 mm	Seal	
19	90206198	1345 mm	Trim, Edge	
101	1001162240J	1	Panel, Side Skirt	
102	1001213126J	1	Panel, Front Skirt	
103	1001196426J	1	Panel, Rear Skirt	
201	1001196422	1	Panel, Bottom Cover	
202	1001169265	1	Panel, Access	
203	1001196404	1	Panel, Engine Pod	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. HOOD ASSEMBLY



ART_1001235963-B

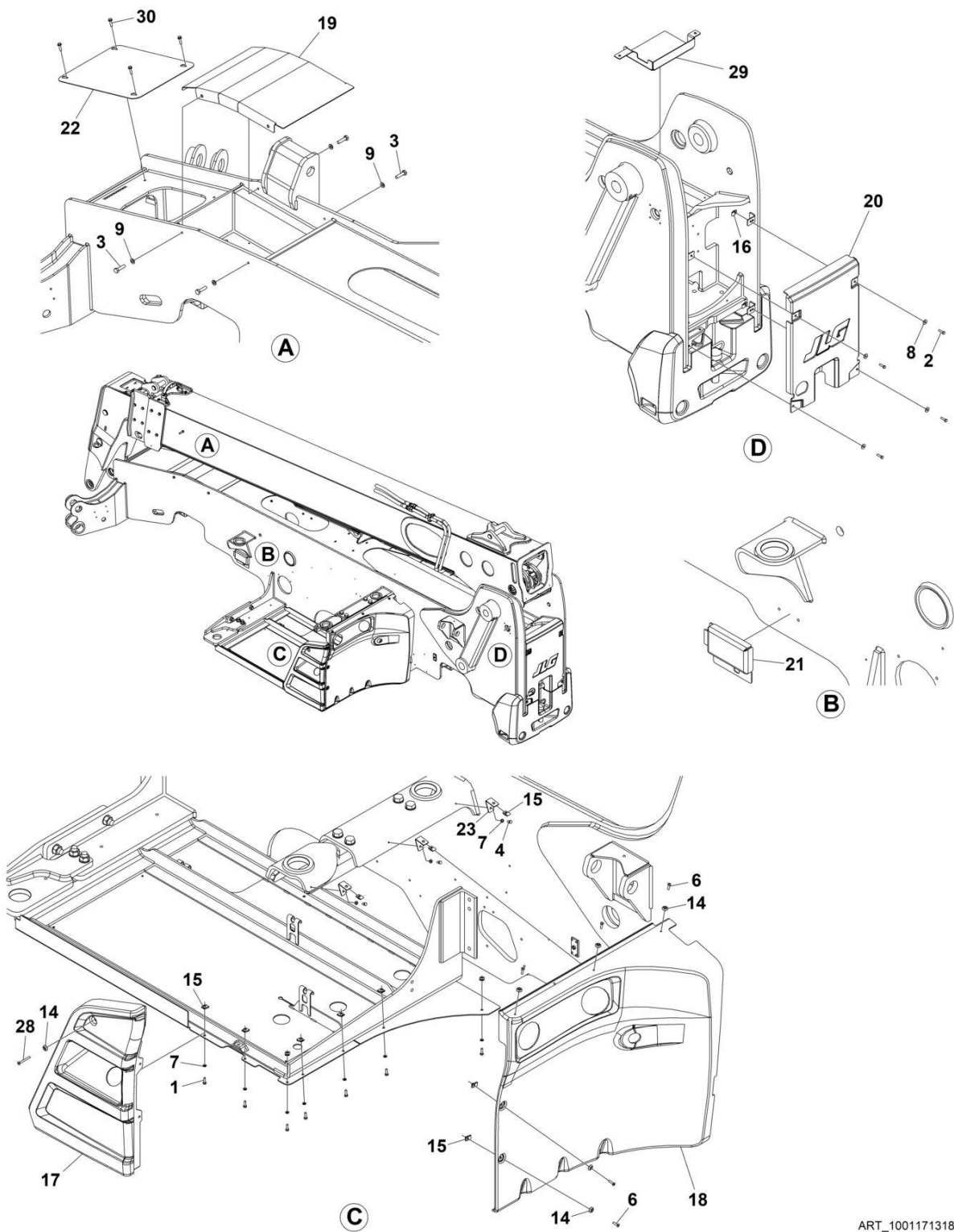
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. HOOD ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235963	Ref	Hood Assembly	B
1	0761010	8	Bolt, M10X20	
2	3290605	4	Nut, Lock M6X1	
3	4811700	4	Washer, M6	
4	4812000	8	Washer, M10	
5	1001234455	1	Hood	
6	1001209387	2	Hinge, Hood	
7	1001132168	1	Latch, Hood	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-4. COVER INSTALLATION (OUTRIGGERS) (ULS)



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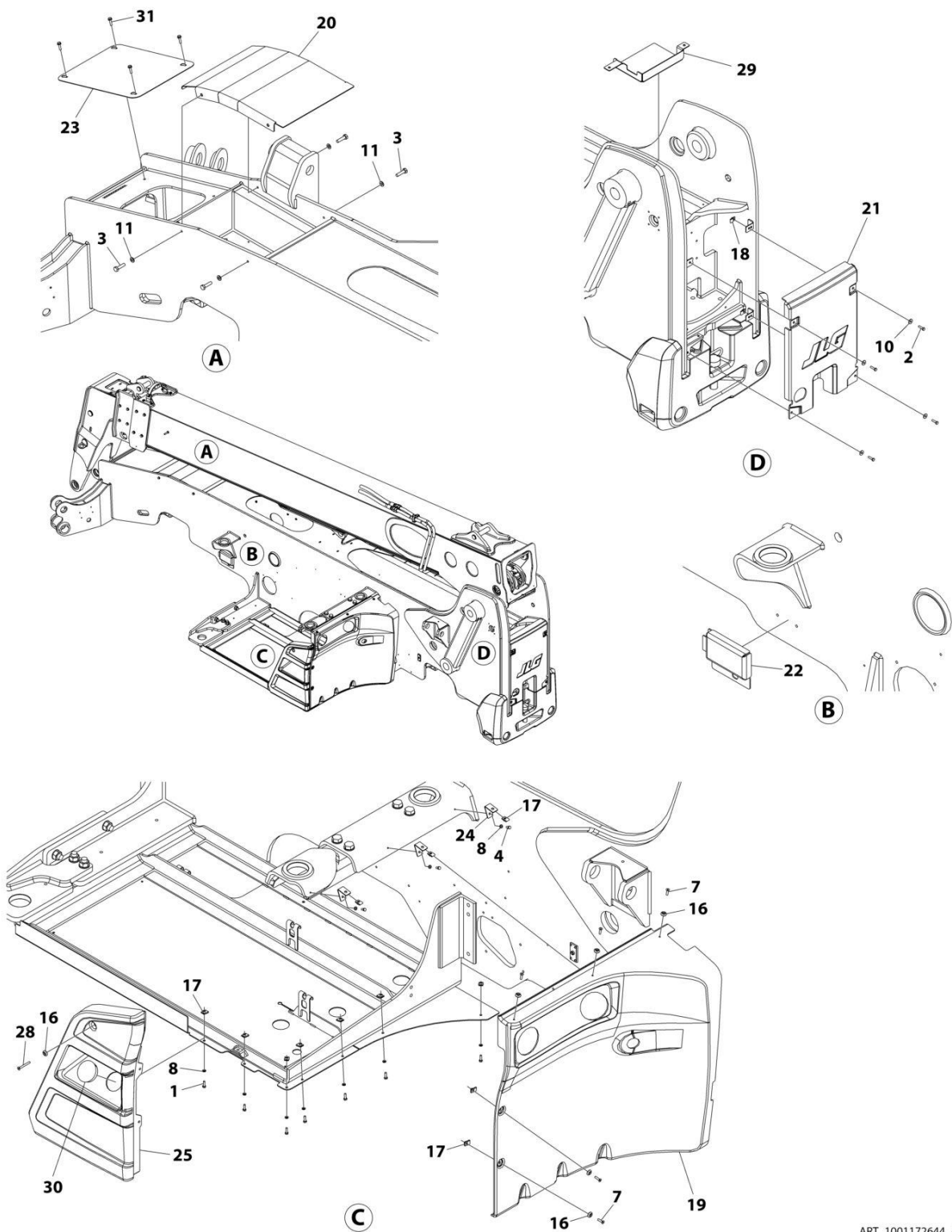
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-4. COVER INSTALLATION (OUTRIGGERS) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171318	Ref	Cover Installation (Outriggers) (ULS)	N
1	0700610	7	Bolt, M6X20	
2	0700814	4	Bolt, M8X30	
3	0701016	4	Bolt, M10X40	
4	0760606	3	Bolt, M6X12	
6	3900379	5	Screw, M6-1X25	
7	4811700	10	Washer, M6	
8	4811902	4	Washer, M8	
9	4812000	4	Washer, M10	
14	1001097540	6	Washer, M6	
15	1001130220	12	Nut, M6	
16	1001149160	4	Nut, M8	
17	1001168760	1	Cover, Side Tank	
18	1001179548	1	Cover, Rear Tank	
19	1001207343	1	Shield, Battery	
20	1001170645	1	Cover	
21	1001201646	1	Shield, Inspection Port	
22	1001170665	1	Plate, Valve Cover	
23	1001171772	3	Plate, Angle Bracket	
28	1001112902	1	Screw, M6	
29	1001173468	1	Cover, Rear Frame Module	
30	5250814	4	Bolt, M8X30	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. COVER INSTALLATION (OUTRIGGERS) (LS)



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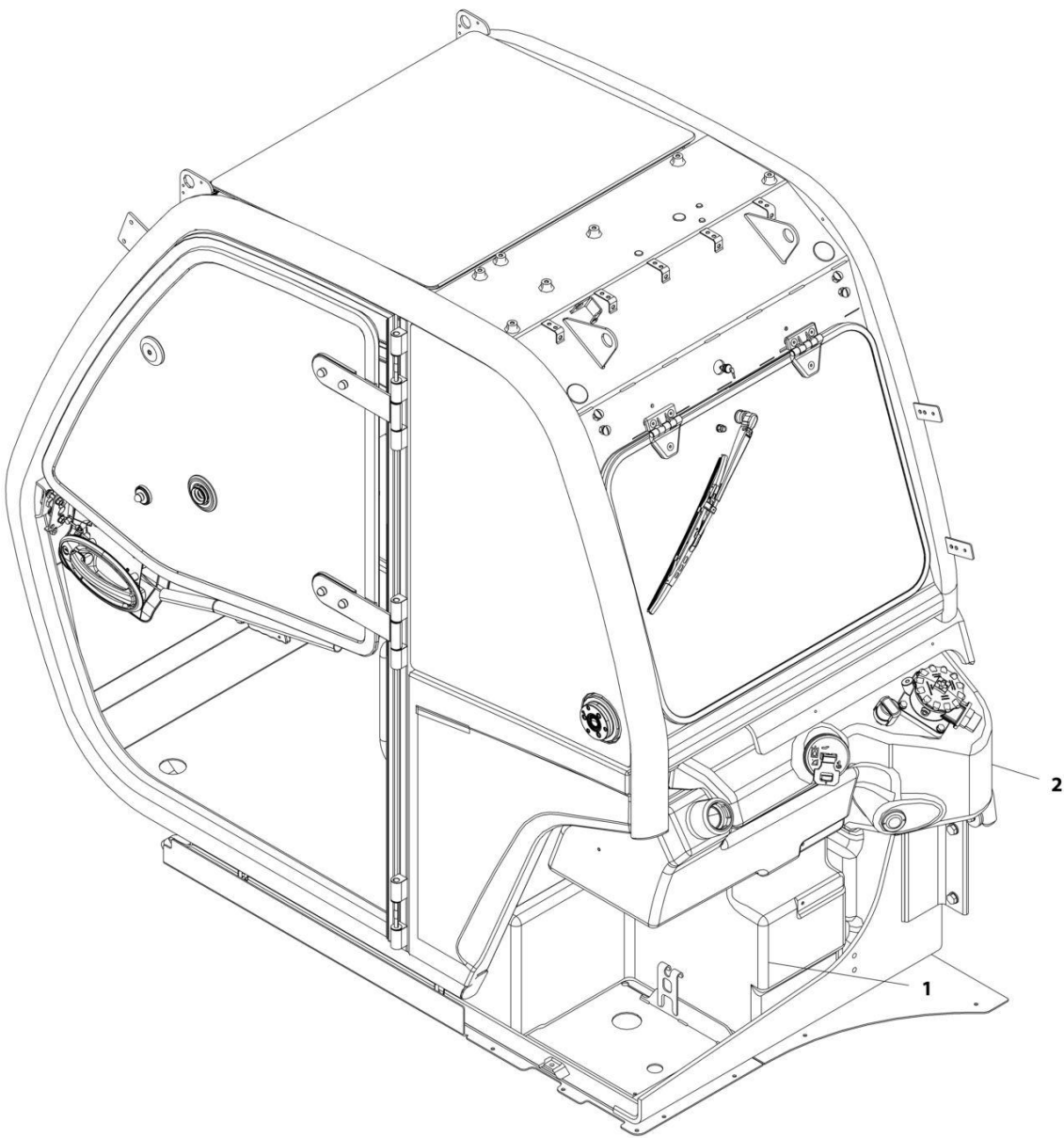
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. COVER INSTALLATION (OUTRIGGERS) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172644	Ref	Cover Installation (Outriggers) (LS)	M
1	0700610	7	Bolt, M6X20	
2	0700814	4	Bolt, M8X30	
3	0701016	4	Bolt, M10X40	
4	0760606	3	Bolt, M6X12	
7	3900379	5	Screw, M6-1X25	
8	4811700	10	Washer, M6	
10	4811902	4	Washer, M8	
11	4812000	4	Washer, M10	
16	1001097540	6	Washer, M6	
17	1001130220	12	Nut, M6	
18	1001149160	4	Nut, M8	
19	1001168761	1	Cover, Rear Tank	
20	1001207343	1	Shield, Battery	
21	1001170645	1	Cover	
22	1001201646	1	Shield, Inspection Port	
23	1001170665	1	Plate, Valve Cover	
24	1001171772	3	Plate, Angle Bracket	
25	1001168760	1	Cover, Side Tank	
28	1001112902	1	Screw, M6	
29	1001173468	1	Cover, Rear Frame Module	
30	1001206746	1	Cap, Side Tank Cover	
31	5250814	4	Bolt, M8X30	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-6. TANK INSTALLATION



ART_1001160735-A

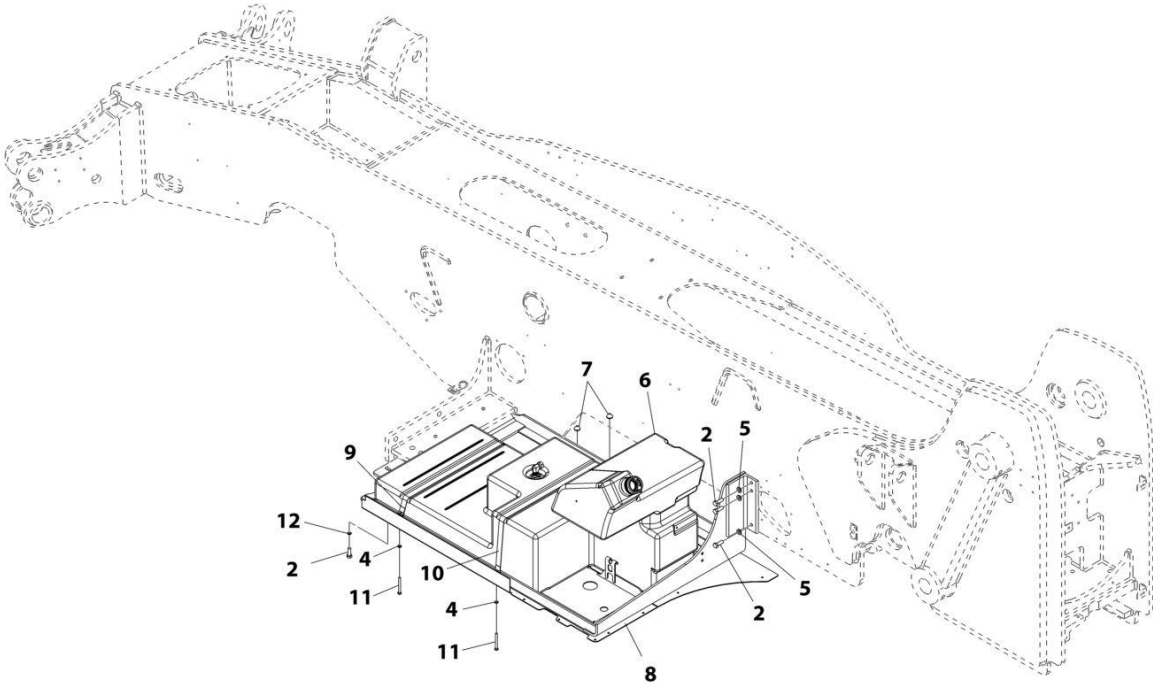
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-6. TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160735	Ref	Tank Installation	A
1	1001171153	1	Installation, Fuel Tank (See Separate Breakdown in this Section)	
2	1001171154	1	Installation, Hydraulic Tank (See Separate Breakdown in this Section)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-7. FUEL TANK INSTALLATION



ART_1001171153-H

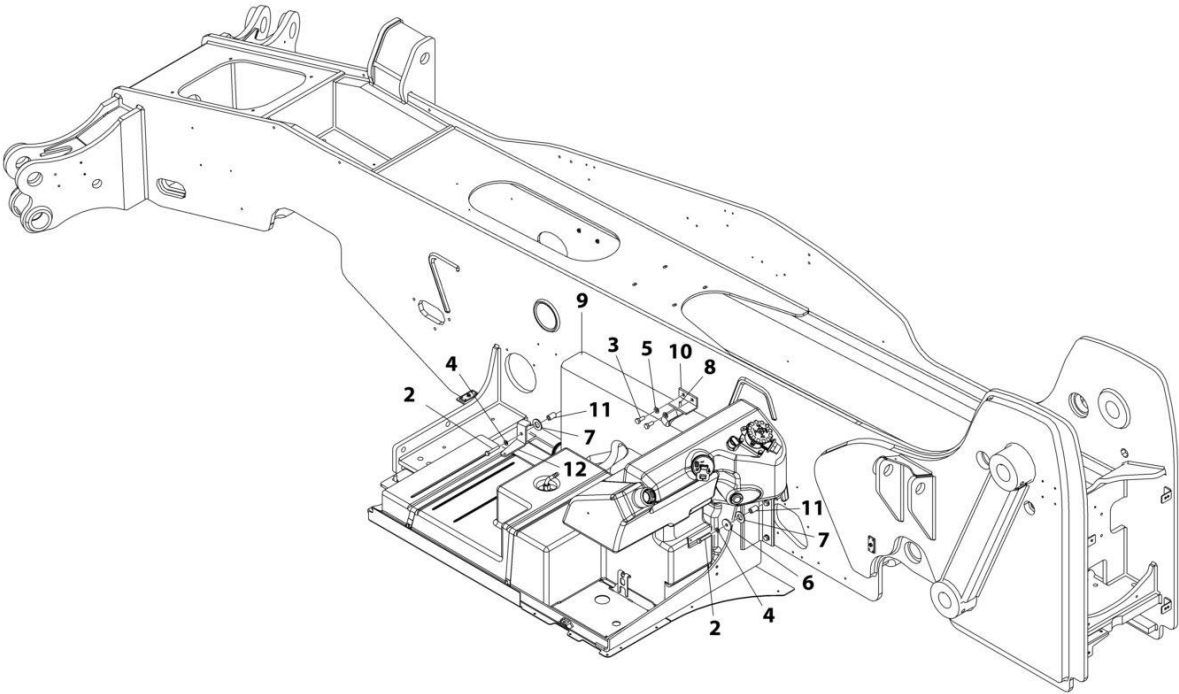
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-7. FUEL TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171153	Ref	Fuel Tank Installation	H
2	0761215	6	Bolt, M12X35	
4	4811900	2	Washer, M8	
5	4812100	3	Washer, M12	
6	1001211432	1	Tank, Fuel (See Separate Breakdown in ENGINE AND ATTACHING PARTS Section)	
7	1001169454	4	Mount, Buffer	
8	1001169602	1	Support, Tank Plate	
9	1001170071	1	Strap, Tank	
10	1001170072	1	Strap, Tank	
11	0760823	2	Bolt, M8X75	
12	4812102	3	Washer, M12	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-8. HYDRAULIC TANK INSTALLATION



ART_1001171154-E

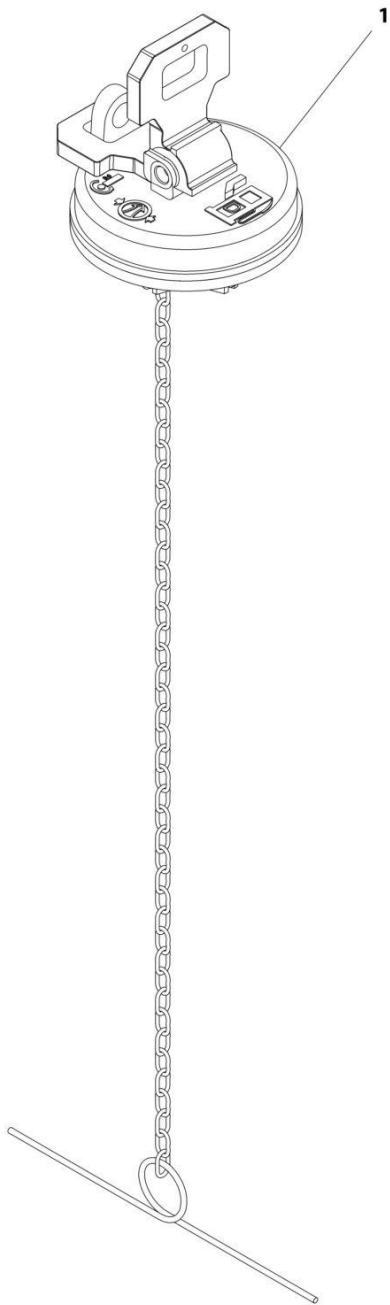
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-8. HYDRAULIC TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171154	Ref	Hydraulic Tank Installation	E
2	0701020	2	Bolt, M10X60	
3	0761214	2	Bolt, M12X30	
4	4812000	2	Washer, M10	
5	4812100	2	Washer, M12	
6	1001172147	1	Washer, M10	
7	1001172146	2	Washer, Rubber	
8	1001008575	1	Bumper, Conical	
9	1001163067	1	Tank, Hydraulic (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	1001169461	1	Bracket	
11	1001171179	2	Spacer	
12	1001210707	1	Bracket	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-9. FUEL CAP ASSEMBLY



ART_1001194978-A

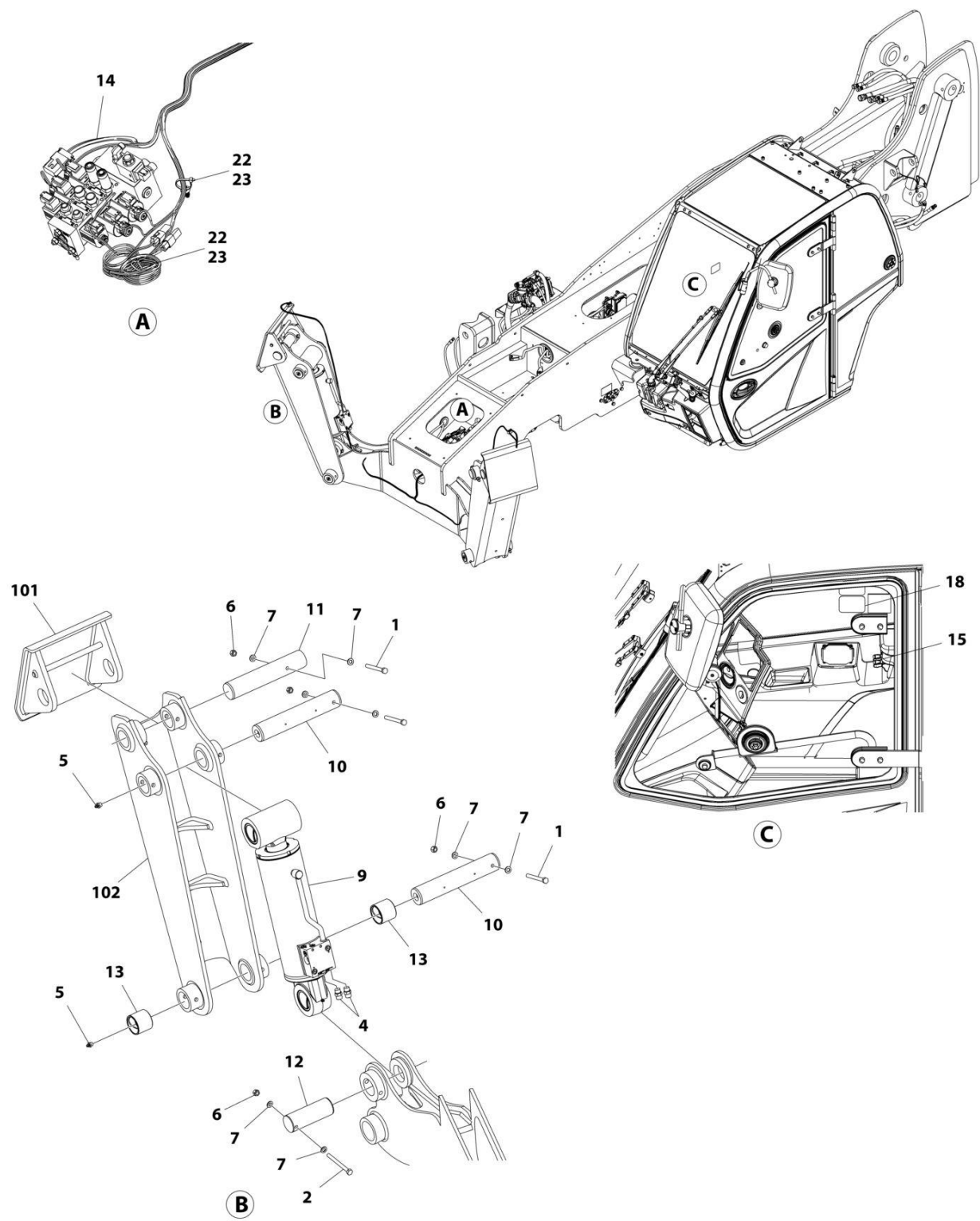
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-9. FUEL CAP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001194978	1	Fuel Cap Assembly	A

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-10. OUTRIGGERS INSTALLATION



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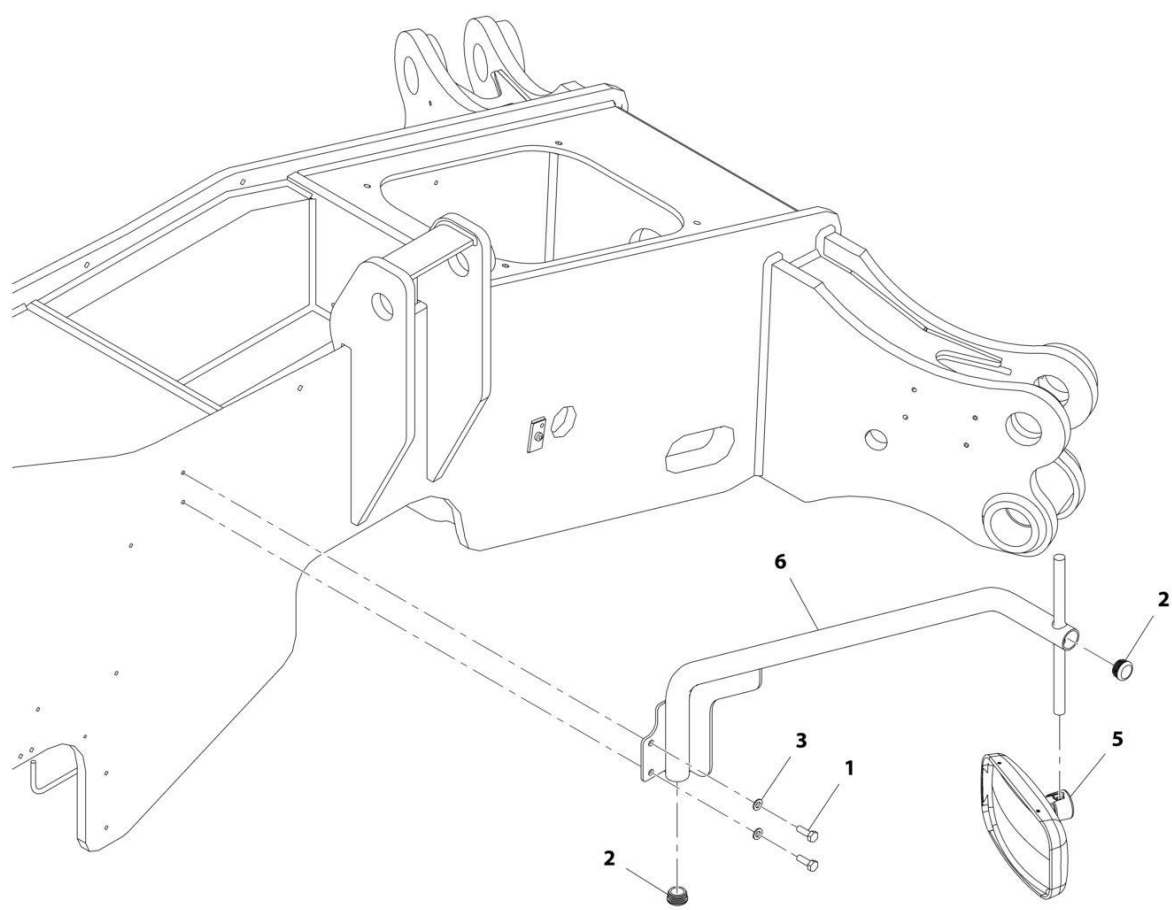
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-10. OUTRIGGERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168644	Ref	Outriggers Installation	K
1	0701229	6	Bolt, M12X120	
2	0701230	2	Bolt, M12X130	
4	2110808	4	Fitting, Straight ORFS	
5	2160016	4	Fitting, Grease	
6	3291205	8	Nut, M12 Grade 8	
7	4812100	16	Washer, M12	
9	1001213065	2	Outrigger Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	1001164436	4	Pin, Outrigger	
11	1001207292	2	Pin, Outrigger	
12	1001164454	2	Pin, Cylinder Base	
13	1001168281	4	Bearing, Outrigger	
14	1001172822	1	Harness, Outrigger (See Separate Breakdown in ELECTRICAL Section)	
15	1001174478	1	Installation, Outrigger Switches (See Separate Breakdown in CONTROLS Section)	
18	1001181537	1	Decal, Outrigger Switched	
22	1001202986	2	Strap, Cable Tie	
23	1001008559	2	Strap	
100	1001246533	1	Outrigger Plate Kit (Includes Items 101 & 102)	
101	1001161564	2	Weldment, Outrigger Pad	
102	1001207291J	2	Bracket, Outrigger Leg Weldment	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-11. MIRROR INSTALLATION



ART_1001160255-D

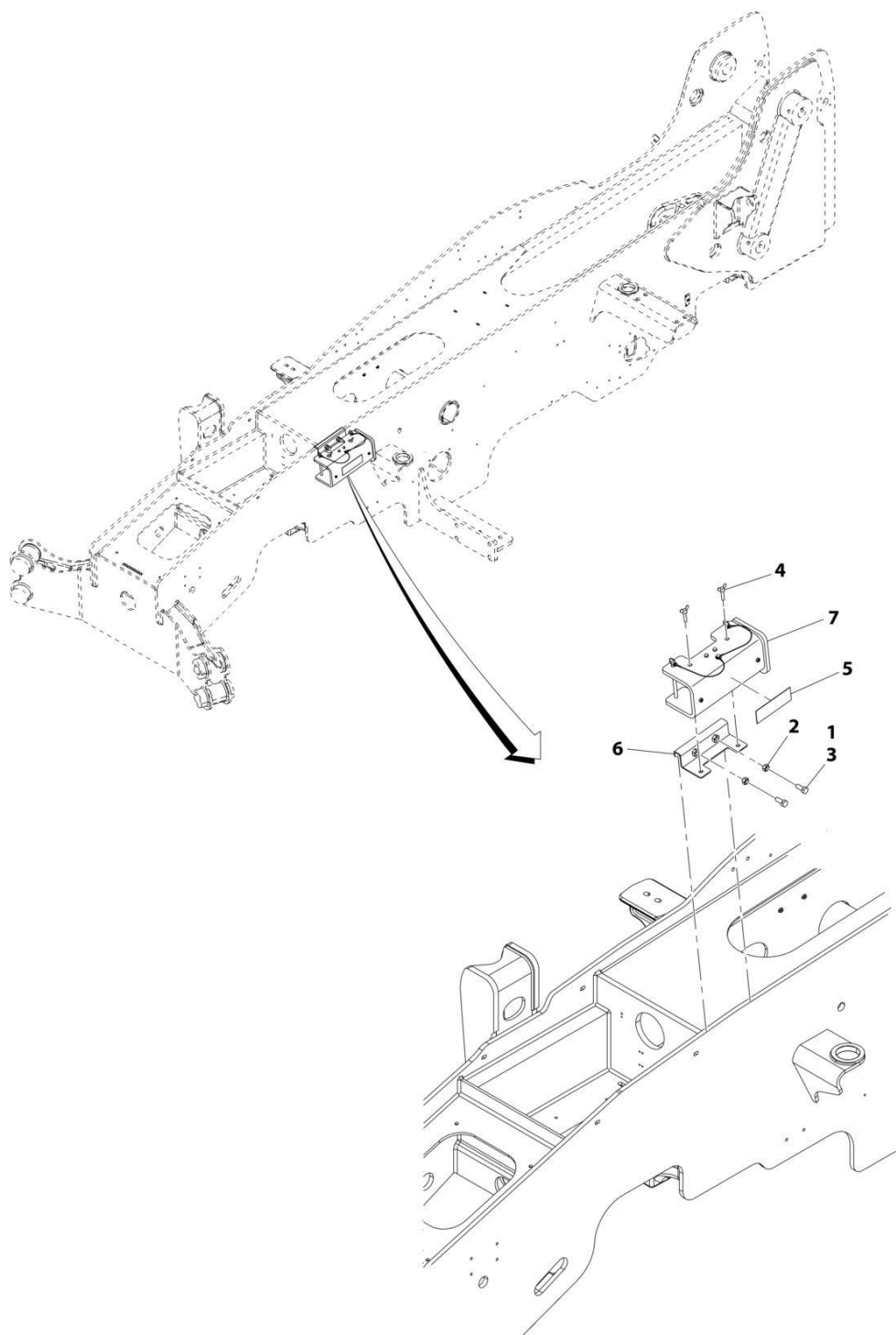
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-11. MIRROR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160255	Ref	Mirror Installation	D
1	0701014	2	Bolt, M10X30 Grade 8	
2	3520186	2	Plug	
3	4812000	2	Washer, M10	
5	1001191635	1	Mirror, Convex	
6	1001191603	1	Bracket	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-12. BOOM PROP INSTALLATION (ANSI)



ART_1001232338-A

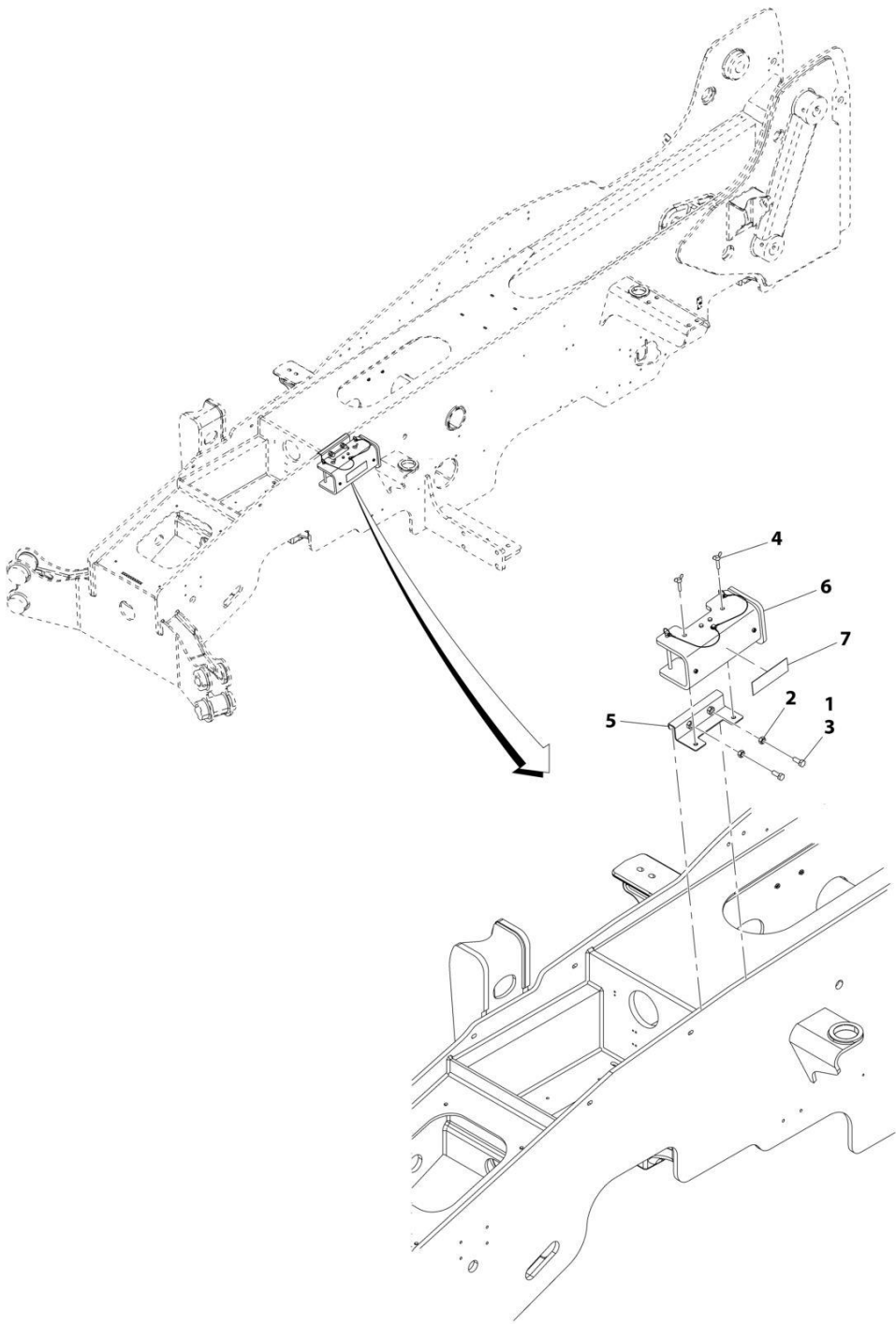
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-12. BOOM PROP INSTALLATION (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232338	Ref	Boom Prop Installation (ANSI)	A
1	0761214	2	Bolt, M12X30	
2	3291201	2	Nut, M12X1.75	
3	1001095650	AR	Compound, Locking	
4	1001101458	2	Wing Bolt, M8X40	
5	1001232147	1	Decal, Warning	
6	1001232299	1	Bracket, Mount	
7	1001232336	Ref	Bracket, Boom Prop (See Separate Breakdown in this Section)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-13. BOOM PROP INSTALLATION (CANADA)



ART_1001234139-A

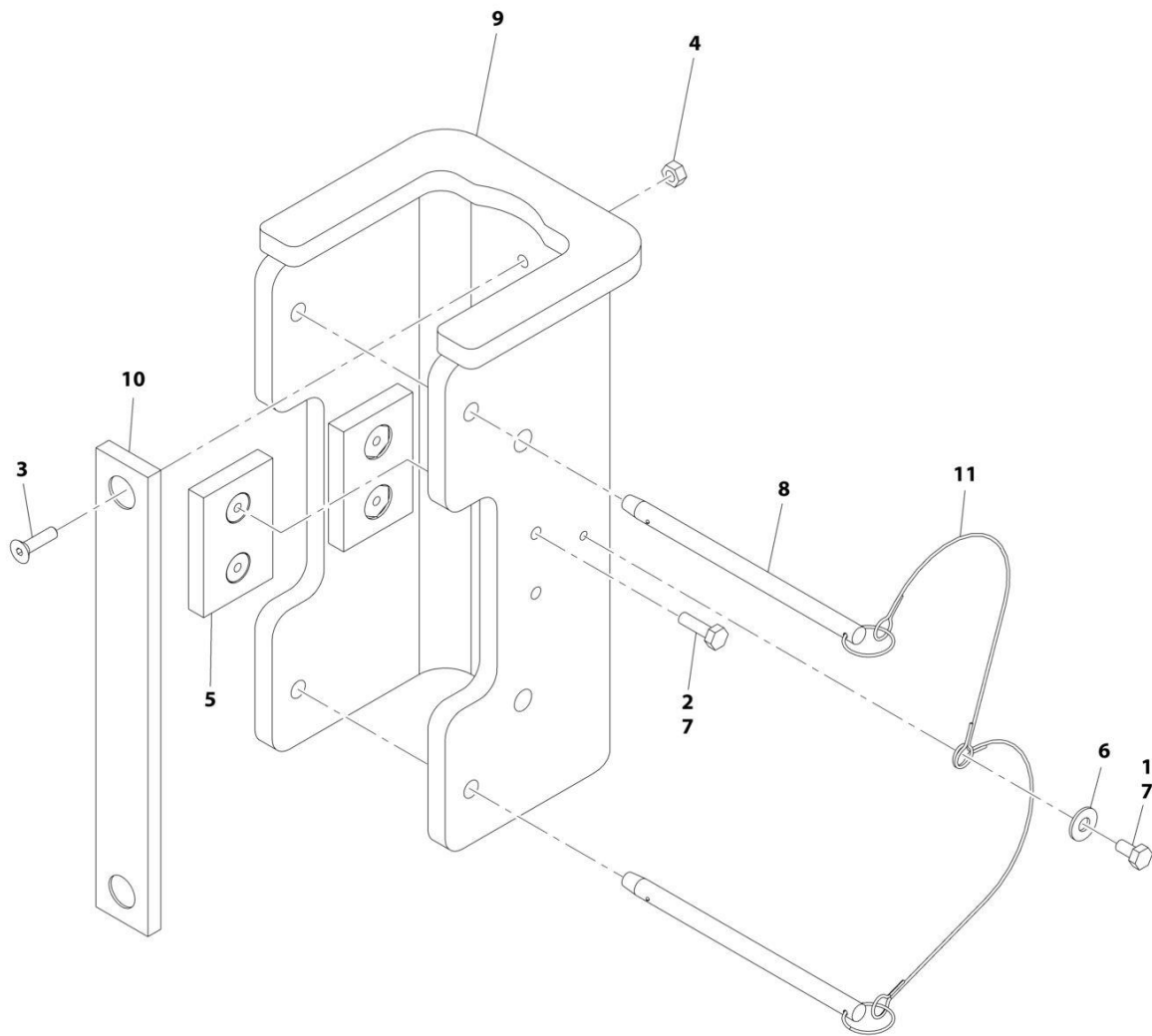
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-13. BOOM PROP INSTALLATION (CANADA)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234139	Ref	Boom Prop Installation (Canada)	A
1	0761214	2	Bolt, M12X30	
2	3291201	2	Nut, M12X1.75	
3	1001095650	AR	Compound, Locking	
4	1001101458	2	Wing Bolt, M8X40	
5	1001232299	1	Bracket, Mount	
6	1001232336	Ref	Bracket, Boom Prop (See Separate Breakdown in this Section)	
7	1001234253	1	Decal, Warning	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-14. BOOM PROP BRACKET



ART_1001232336-A

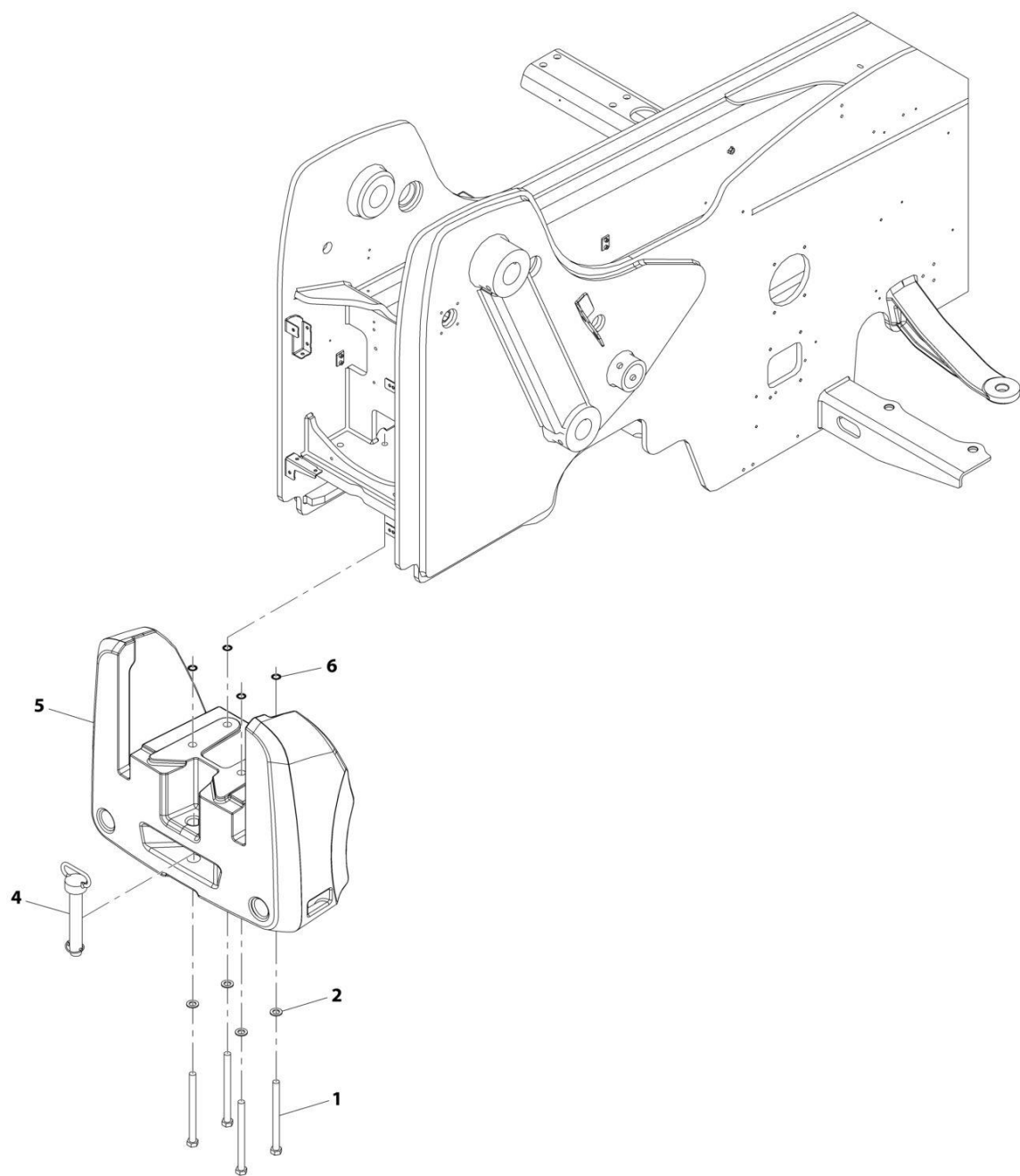
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-14. BOOM PROP BRACKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232336	Ref	Boom Prop Bracket	A
1	0641404	1	Bolt, 1/4-20X1/2	
2	0641407	4	Bolt, 1/4-20X7/8	
3	0741408	2	Bolt, 1/4-20	
4	3311405	2	Nut, Lock 1/4-20	
5	3340829	2	Pad, Wear	
6	4751400	1	Washer	
7	1001095650	AR	Compound, Locking	
8	1001164019	2	Pin, Ball Locking	
9	1001232588	1	Bracket	
10	4679000268	1	Pad, Wear	
11	1001164183	2	Lanyard, Boom Prop	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-15. COUNTERWEIGHT INSTALLATION



ART_1001175368-E

SECTION 1 - FRAME AND ATTACHING PARTS

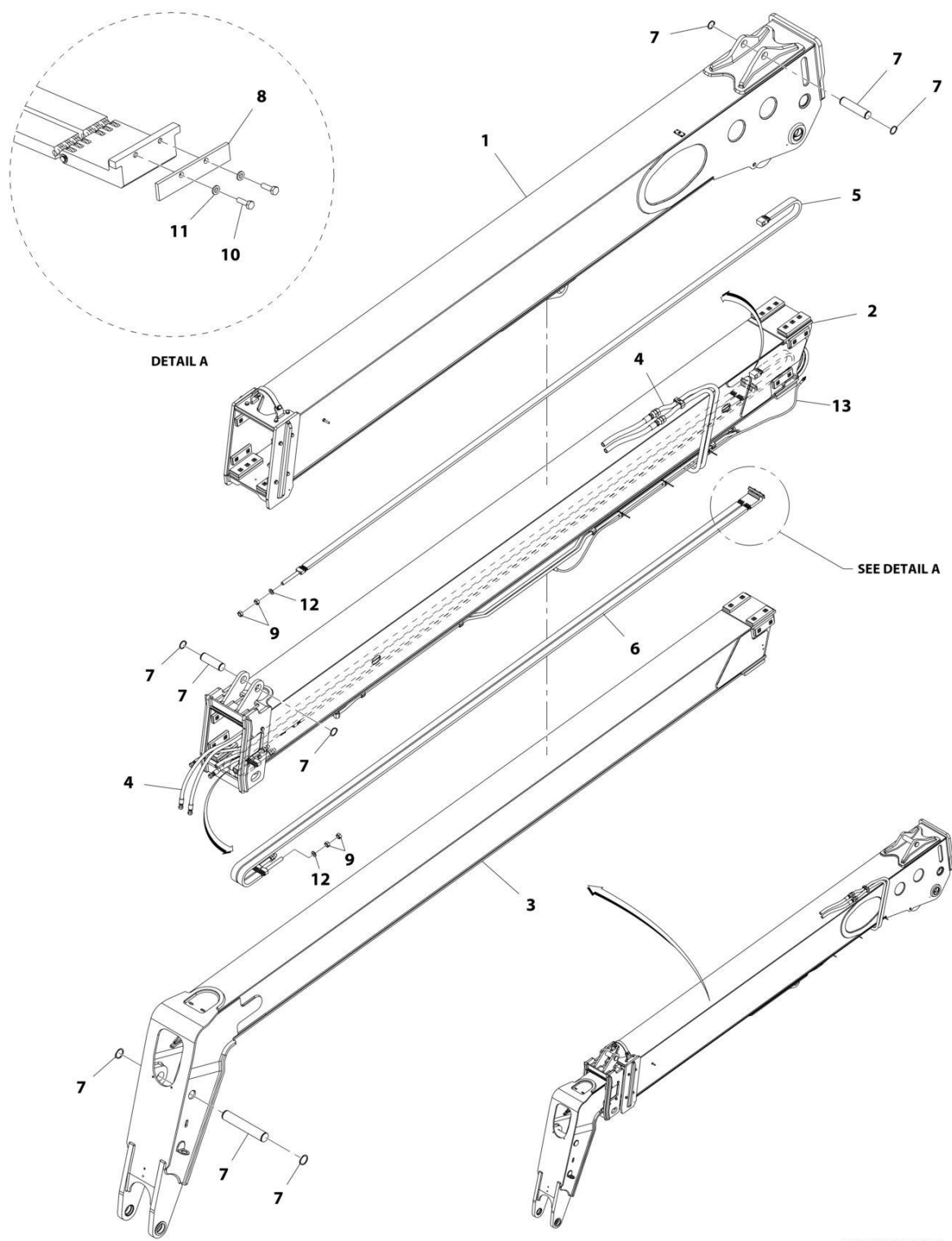
FIGURE 1-15. COUNTERWEIGHT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175368	Ref	Counterweight Installation	F
1	0712042	4	Bolt, M20X250 Grade 10.9	
2	8310620	4	Washer, M20	
4	1001160250	1	Pin, Hitch	
5	1001177654J	1	Counterweight	
6	1001218341	4	Washer	

SECTION 2 - BOOM

SECTION 2 - BOOM

FIGURE 2-1. BOOM ASSEMBLY



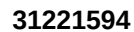
ART_1001168658-D

FIGURE 2-1. BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168658	Ref	Boom Assembly	D
1	1001168341	Ref	Assembly, First Boom Section (See Separate Breakdown in this Section)	
2	1001168546	Ref	Assembly, Second Boom Section (See Separate Breakdown in this Section)	
3	1001168602	Ref	Assembly, Third Boom Section (See Separate Breakdown in this Section)	
4	1001173471	Ref	Installation, Boom Hydraulic Tubes (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
5	1001169278	Ref	Installation, Retract Chain (See Separate Breakdown in this Section)	
6	1001169281	Ref	Installation, Extend Chain (See Separate Breakdown in this Section)	
7	1001173541	Ref	Installation, Pins (See Separate Breakdown in this Section)	
8	1001171450	1	Plate, Clevis	
9	3332011	6	Nut, M20X2.5	
10	0700610	2	Bolt, M6X20	
11	4811700	2	Washer, M6	
12	4812500	3	Washer, M20	
13	1001206432	1	Hose	

54

1043



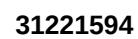
ART_1001168341-F

FIGURE 2-2. FIRST BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168341	Ref	First Boom Section Assembly	F
2	0711216	14	Bolt, M12X40 Grade 10.9	
3	0711219	4	Bolt, M12X55 Grade 10.9	
4	0711215	2	Bolt, M12X35	
5	2160016	2	Fitting, Grease	
6	3291201	2	Nut, M12X1.75 Grade 8	
7	1001125117	AR	Washer, M12	
8	1001162469	2	Pad	
9	1001163034	AR	Plate, Spacer	
10	1001189714	2	Plate, Stop	
11	1001163112	AR	Plate, Spacer	
12	1001163136	2	Plate, Stop	
13	1001165171	2	Pad	
14	1001168368	1	Strap	
15	1001188244	2	Bearing, Boom Pivot	
16	1001168342J	1	Boom, First	
17	1001165172	4	Pad	
18	1001165367	AR	Plate, Spacer	
19	4812100	4	Washer, M12	
20	0711217	AR	Bolt, M12X45	
21	0711220	AR	Bolt, M12-1.75X60 Grade 10.9	
22	1001163103	AR	Plate, Shim	
23	1001200989	AR	Plate, Shim	

56

1043



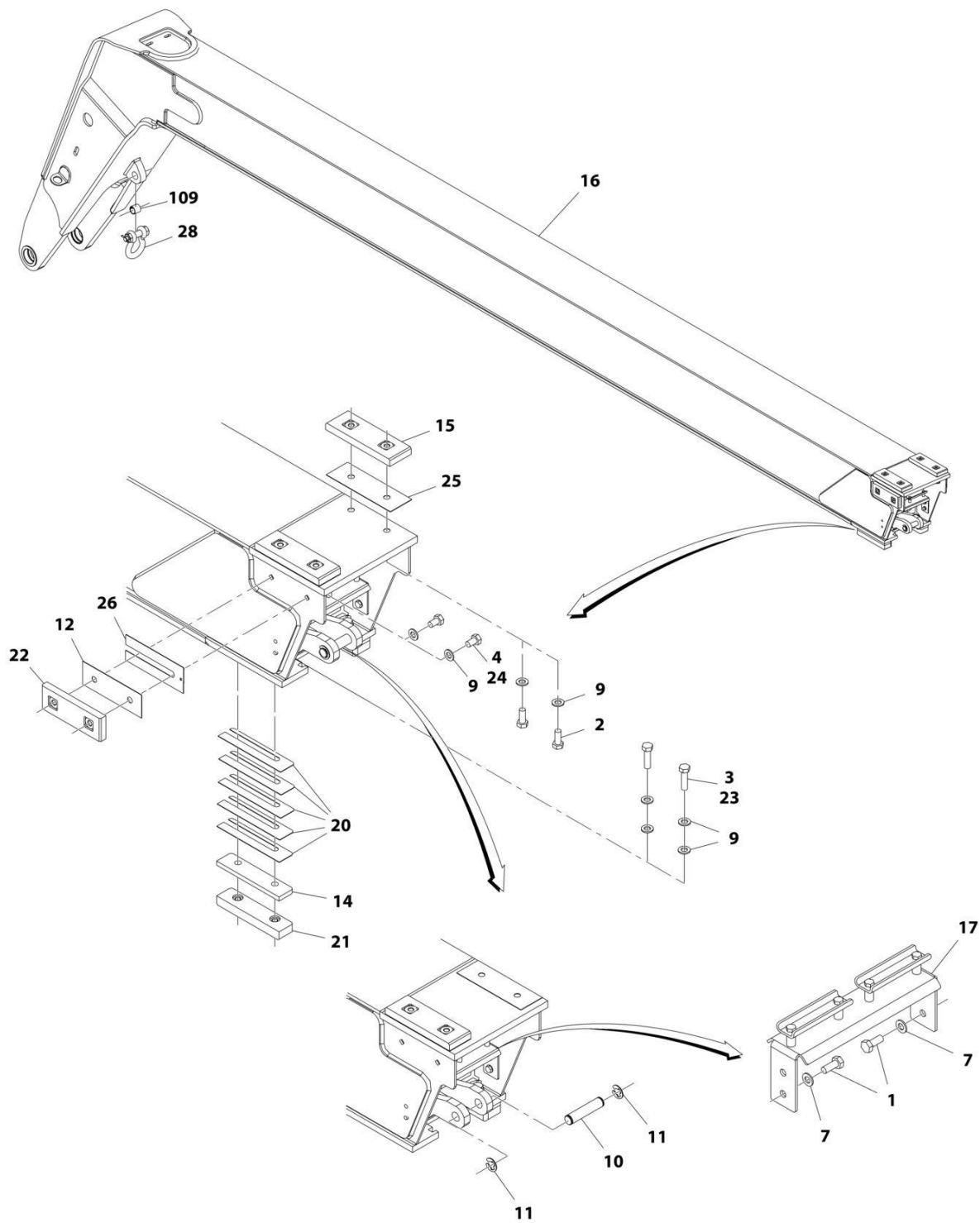
ART_1001168546-F

FIGURE 2-3. SECOND BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168546	Ref	Second Boom Section Assembly	F
1	0701226	1	Bolt, M12X90 Grade 10.9	
2	0711214	4	Bolt, M12X30 Grade 10.9	
5	0711217	8	Bolt, M12X45	
6	0711218	4	Bolt, M12X50 Grade 10.9	
8	0770807	2	Bolt, M8X14 Grade 10.9	
9	0771210	8	Bolt, M12X20 Grade 10.9	
10	2160016	2	Fitting, Grease	
11	7138986	1	Sheave, Retract Chain (See Separate Breakdown in this Section)	
12	4811900	2	Washer, M8	
13	1001125117	AR	Washer, M12	
14	1001162469	2	Pad	
15	1001163029	2	Pad	
16	1001163034	AR	Plate, Spacer	
17	1001163035	2	Plate, Stop	
19	1001163112	AR	Plate, Spacer	
20	1001163136	2	Plate, Stop	
21	1001165171	4	Pad	
22	1001167493	1	Pin	
23	1001168547	1	Boom, Second	
24	1001168561	1	Bracket	
25	1001168567	1	Roller, Extend Chain (See Separate Breakdown in this Section)	
26	1001168587	1	Pin, Boom Chain Pulley	
27	1001189492	2	Plate, Stop	
28	0711225	2	Bolt, M12X85 Grade 10.9	
29	1001189793	AR	Shim	
30	1001165172	8	Pad	
31	1001165367	AR	Plate, Spacer	
32	0711216	8	Bolt, M12X40 Grade 10.9	
33	0771212	AR	Bolt, M12X25 Grade 10.9	
34	0711226	AR	Bolt, M12X90 Grade 10.9	
35	1001163103	AR	Plate, Shim	
36	1001200989	AR	Plate, Shim	

SECTION 2 - BOOM

FIGURE 2-4. THIRD BOOM SECTION ASSEMBLY



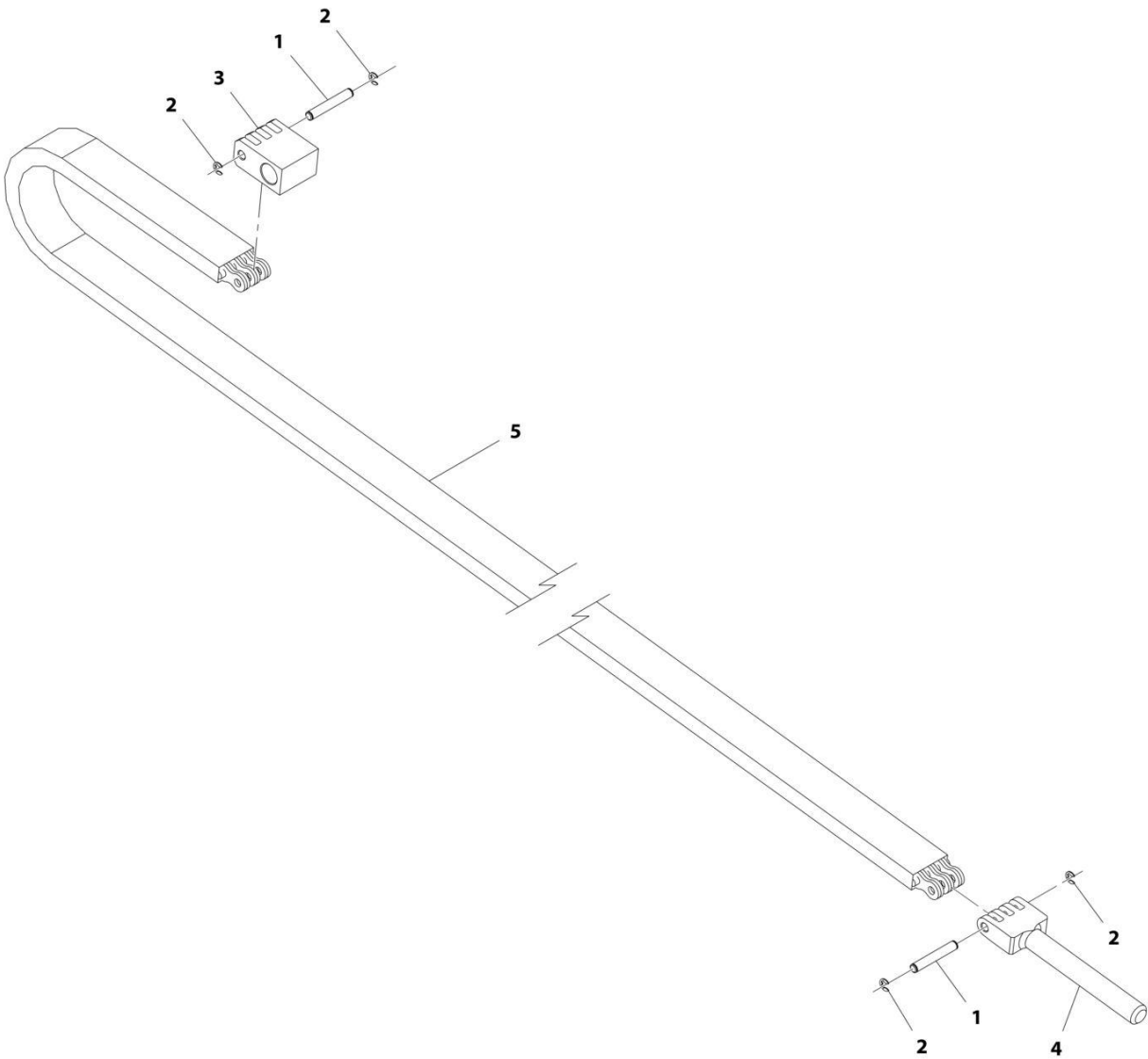
ART_1001168602-H

FIGURE 2-4. THIRD BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168602	Ref	Third Boom Section Assembly	H
1	0760810	4	Bolt, M8X20	
2	0711214	4	Bolt, M12X30 Grade 10.9	
3	0711217	4	Bolt, M12X45	
4	0771210	4	Bolt, M12X20 Grade 10.9	
7	4811900	4	Washer, M8	
9	1001125117	AR	Washer, M12	
10	1001163712	1	Pin	
11	1001163704	2	Ring, M15	
12	1001165367	AR	Plate, Spacer	
14	1001168589	2	Plate, Stop	
15	1001165171	2	Pad	
16	1001168603	1	Boom, Third	
17	1001168630	Ref	Installation, Hose Bracket (See Separate Breakdown in this Section)	
20	1001189793	AR	Shim	
21	1001163029	2	Pad	
22	1001165172	2	Pad	
23	0711216	AR	Bolt, M12X40 Grade 10.9	
24	0771212	AR	Bolt, M12X25 Grade 10.9	
25	1001163034	AR	Plate, Spacer	
26	1001200989	AR	Plate, Shim	
28	1001204045	1	Clevis	
109	1001204047	1	Sleeve	

SECTION 2 - BOOM

FIGURE 2-5. RETRACT CHAIN INSTALLATION



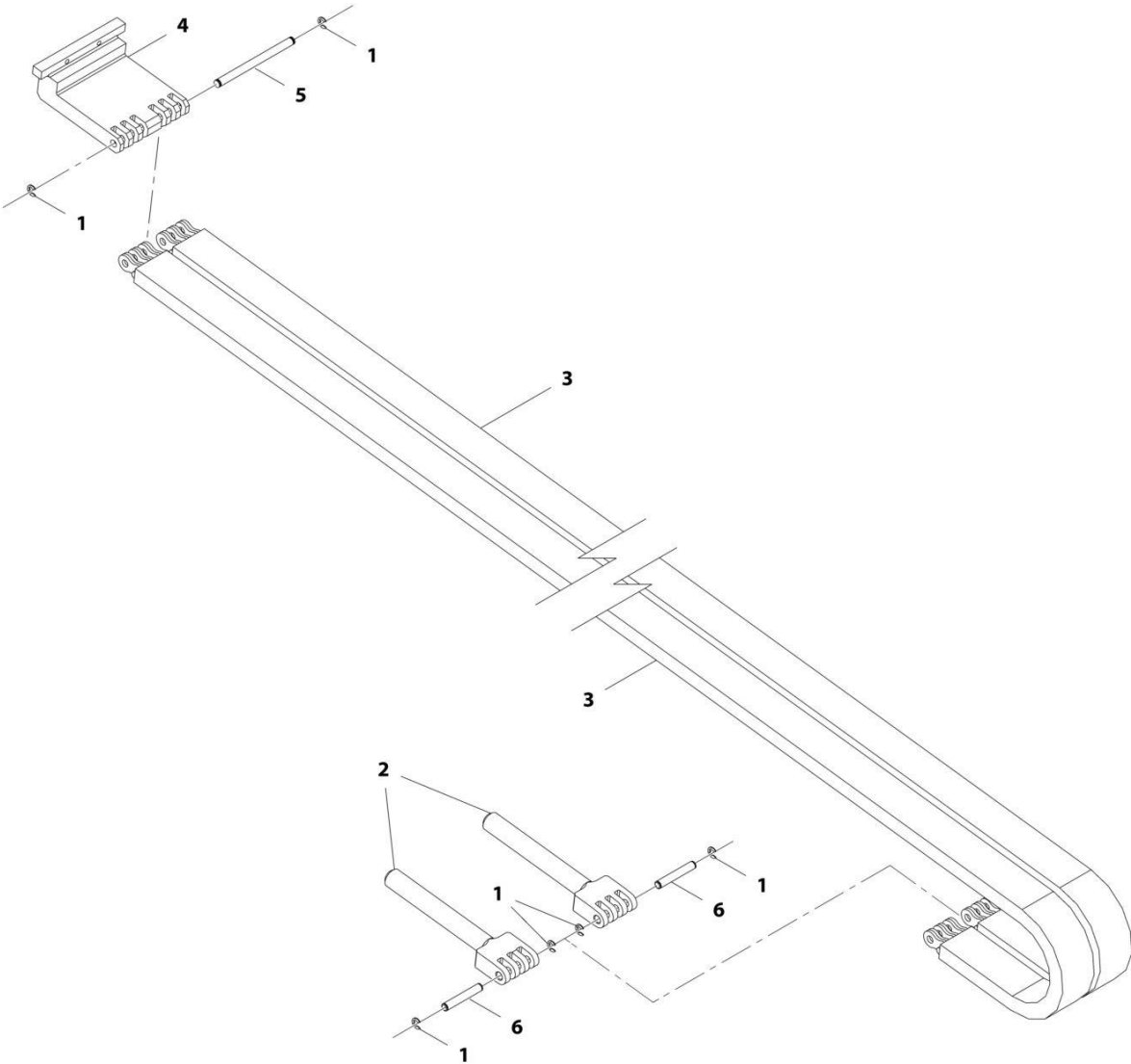
ART_1001169278-B

FIGURE 2-5. RETRACT CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169278	Ref	Retract Chain Installation	B
1	1001187785	2	Pin, Clevis	
2	1001166163	4	Ring, External M6	
3	1001166233	1	Clevis, Chain	
4	1001166235	1	Clevis, Chain	
5	1001169279	1	Chain, Retract	

SECTION 2 - BOOM

FIGURE 2-6. EXTEND CHAIN INSTALLATION



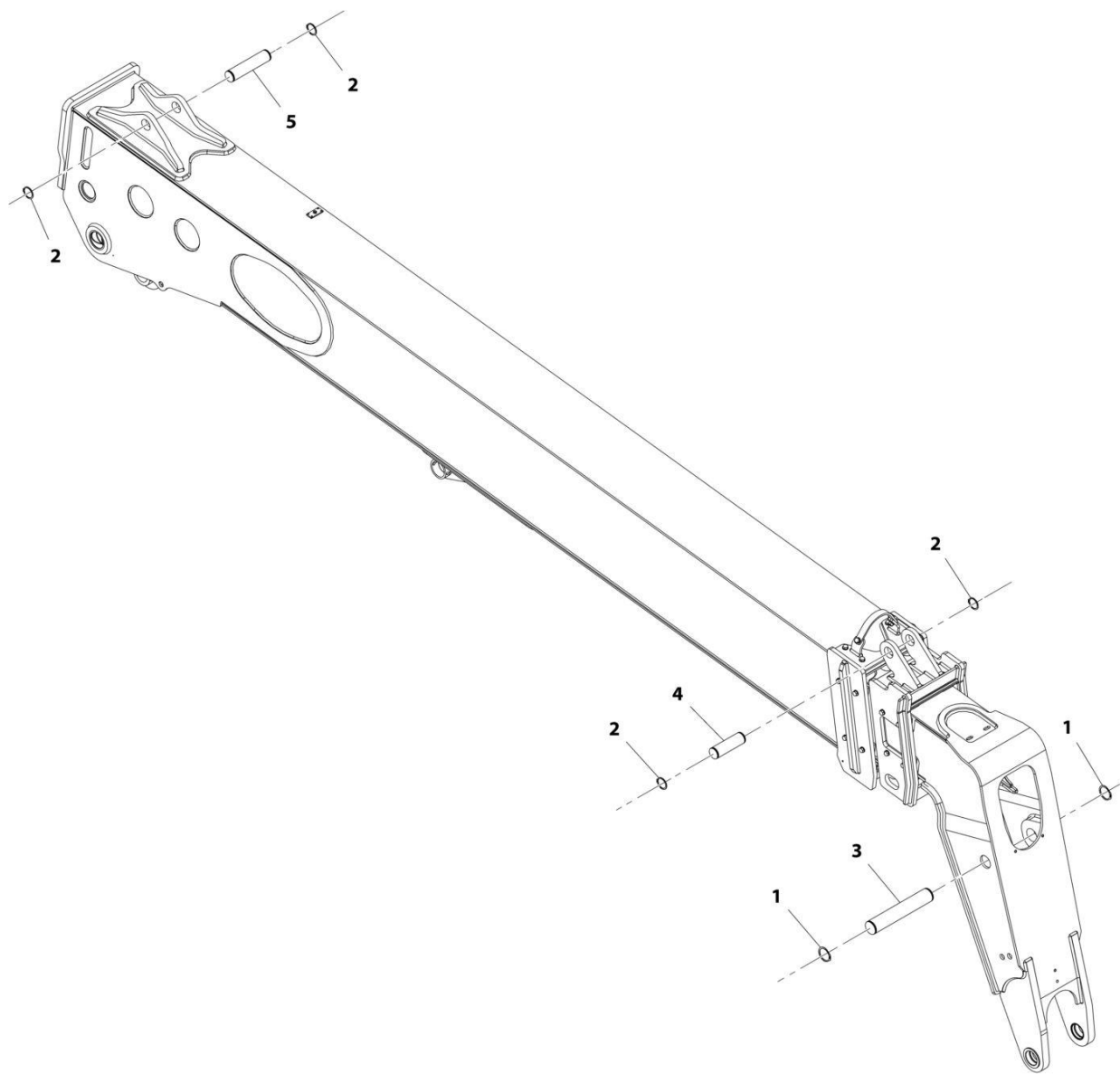
ART_1001169281-B

FIGURE 2-6. EXTEND CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169281	Ref	Extend Chain Installation	B
1	1001166163	6	Ring, External M6	
2	1001166235	2	Clevis, Chain	
3	1001169279	2	Chain, Retract	
4	1001169373	1	Clevis, Dual	
5	1001169379	1	Pin, Clevis	
6	1001187785	2	Pin, Clevis	

SECTION 2 - BOOM

FIGURE 2-7. PINS INSTALLATION



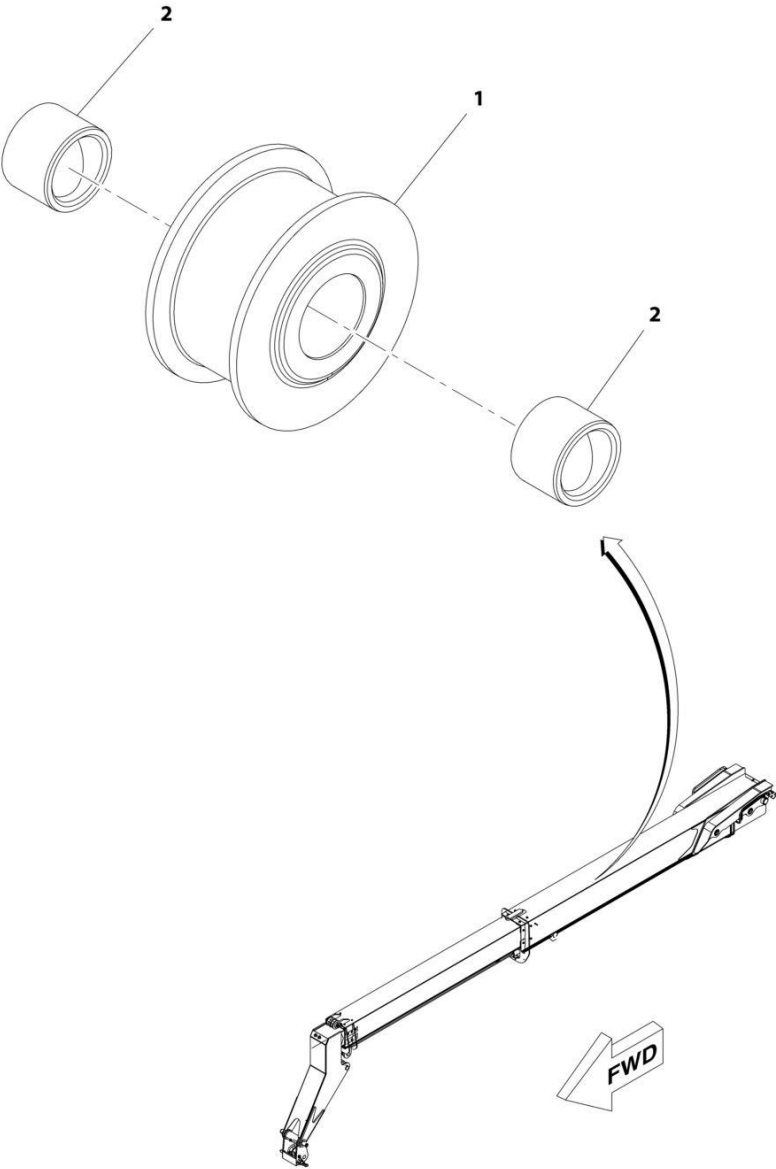
ART_1001173541-B

FIGURE 2-7. PINS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173541	Ref	Pins Installation	B
1	3760463	2	Ring, Retaining M60	
2	3760493	4	Ring, Retaining M50	
3	1001173538	1	Pin, Tilt Cylinder	
4	1001173539	1	Pin	
5	1001173540	1	Pin	

SECTION 2 - BOOM

FIGURE 2-8. RETRACT CHAIN SHEAVE

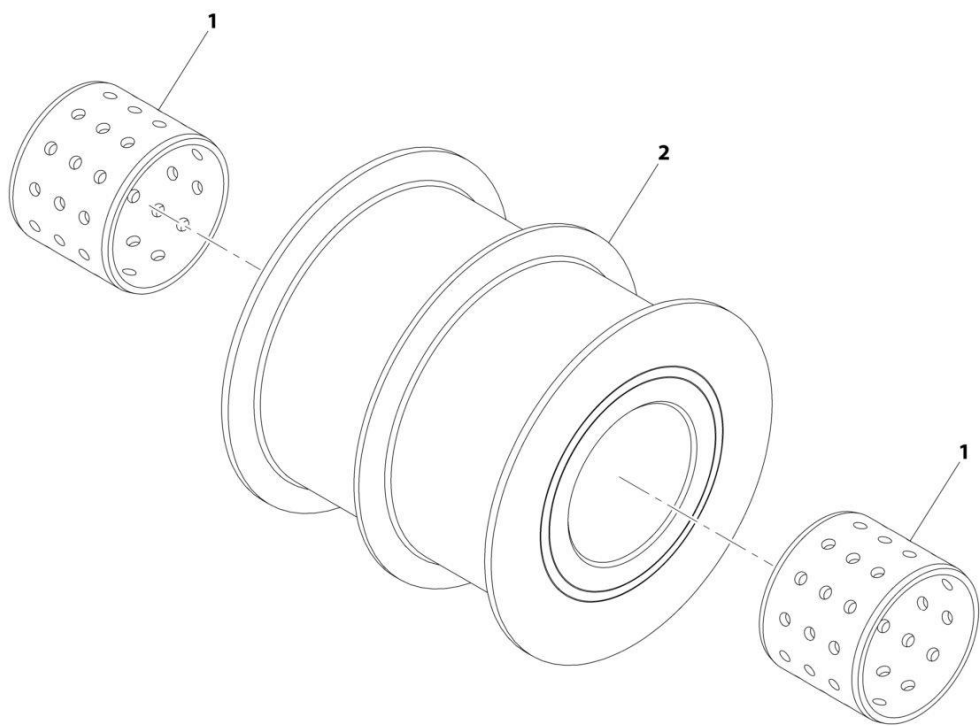


ART_7138986-C

FIGURE 2-8. RETRACT CHAIN SHEAVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7138986	Ref	Retract Chain Sheave	C
	7138978	NSS	Sheave, Retract Chain (Use PN 713898)	
	7138979	2	Bushing, Sheave Retract Chain	

FIGURE 2-9. EXTEND CHAIN ROLLER



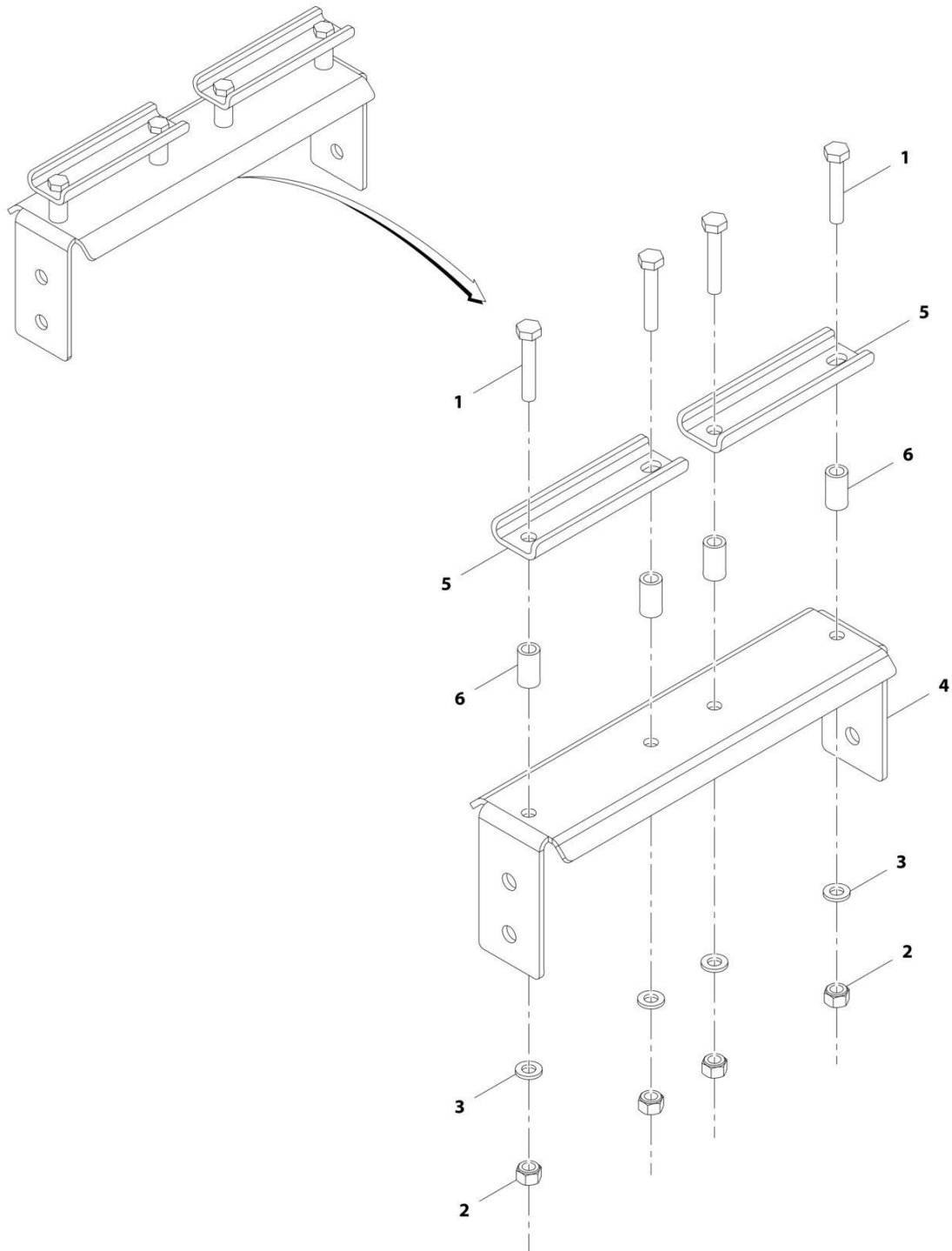
ART_1001168567-D

FIGURE 2-9. EXTEND CHAIN ROLLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001168567	Ref	Extend Chain Roller	D
	0440296	2	Bearing	
	1001168831	1	Roller, Extend Chain	

SECTION 2 - BOOM

FIGURE 2-10. HOSE BRACKET INSTALLATION



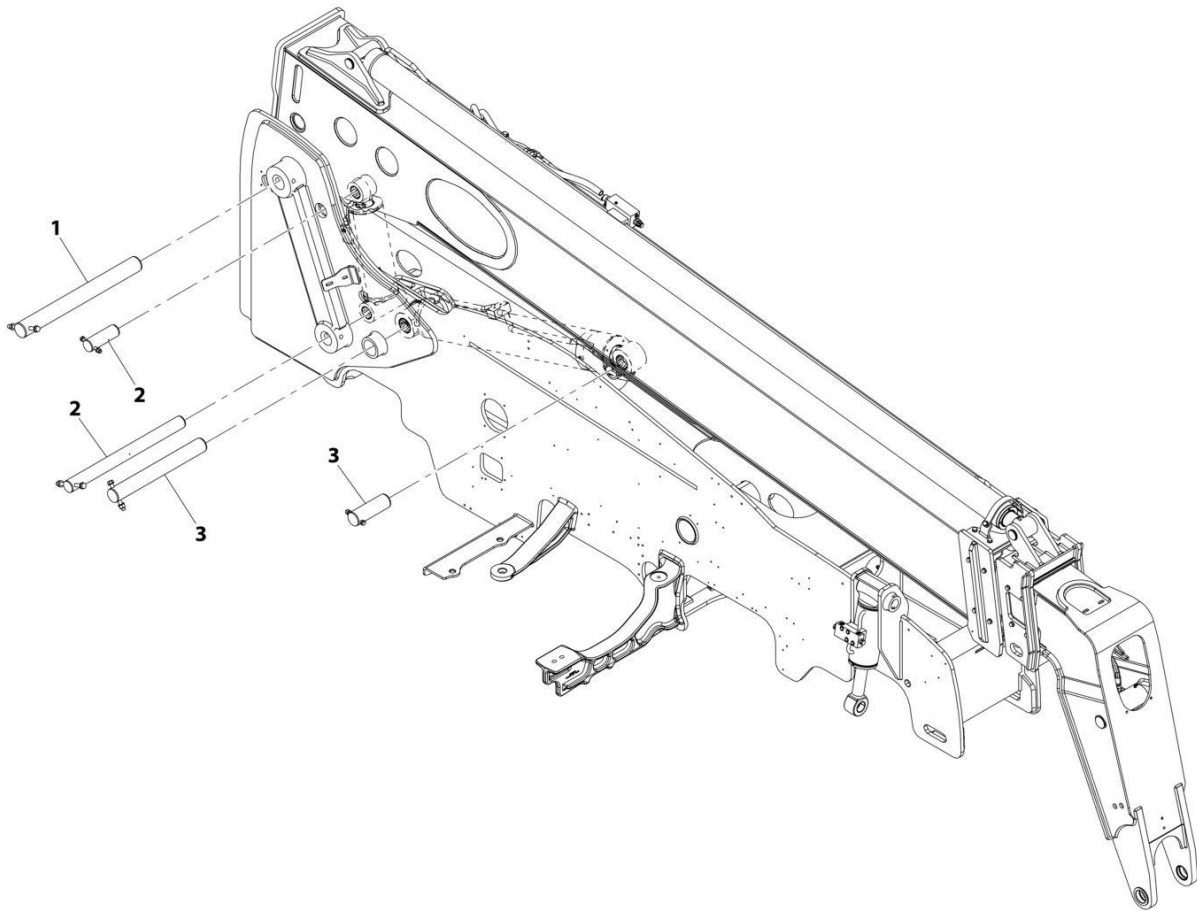
ART_1001168630-B

FIGURE 2-10. HOSE BRACKET INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168630	Ref	Hose Bracket Installation	B
1	0760615	4	Bolt, M6X35	
2	3290605	4	Nut, Lock M6X1 Grade 8	
3	4811700	4	Washer, M6	
4	1001168632	1	Bracket	
5	1001169209	2	Plate	
6	1001169214	4	Spacer	

SECTION 2 - BOOM

FIGURE 2-11. BOOM PINNING INSTALLATION



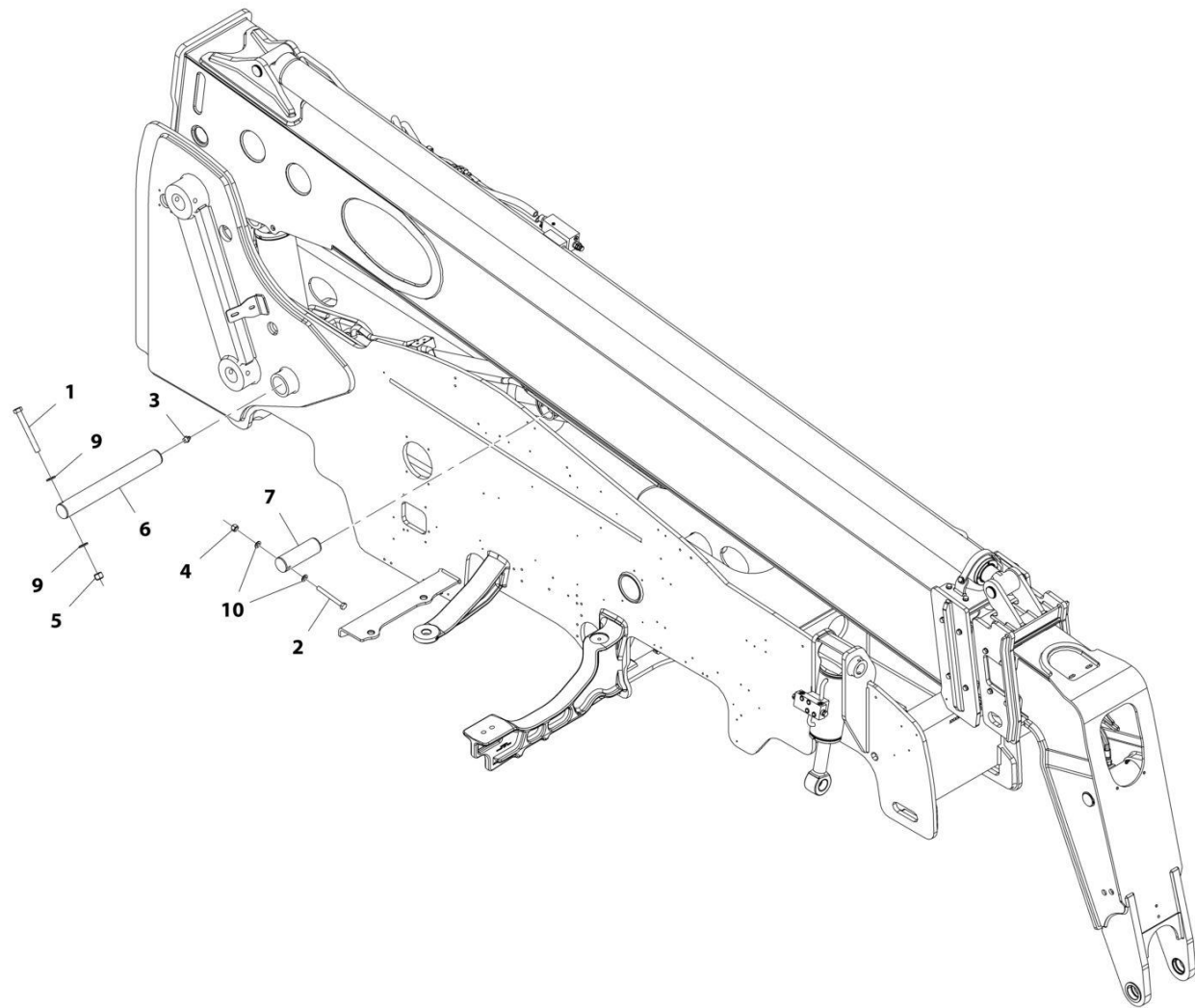
ART_1001168486-C

FIGURE 2-11. BOOM PINNING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001168486	Ref	Boom Pinning Installation	D
	1001172344	Ref	Installation, Boom Pivot Pin (See Separate Breakdown in this Section)	
2	1001172345	Ref	Installation, Compensation Cylinder Pins (See Separate Breakdown in this Section)	
3	1001172346	Ref	Installation, Lift Cylinder Pins (See Separate Breakdown in this Section)	

SECTION 2 - BOOM

FIGURE 2-12. LIFT CYLINDER PINS INSTALLATION



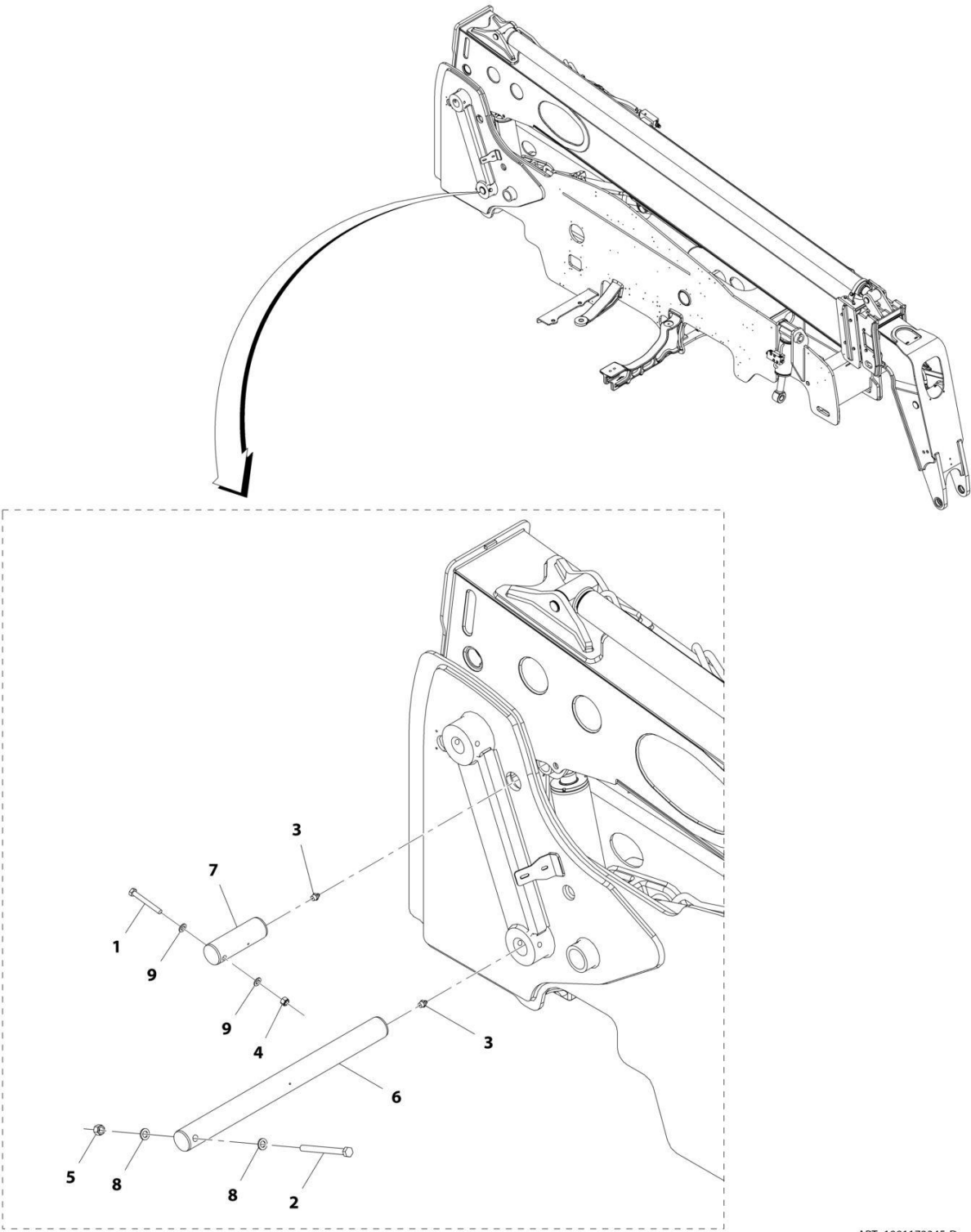
ART_1001172346-G

FIGURE 2-12. LIFT CYLINDER PINS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172346	Ref	Lift Cylinder Pins Installation	G
1	0711631	1	Bolt, M16X140	
2	0711228	1	Bolt, M12X110	
3	2160016	1	Fitting, Grease	
4	3291205	1	Nut, Lock M12X1.75 Grade 8	
5	3291605	1	Nut, Lock M16X2 Grade 8	
6	1001172350	1	Pin, Cylinder	
7	1001205335	1	Pin, Cylinder	
9	4812300	2	Washer, M16	
10	4812100	2	Washer, M12	

SECTION 2 - BOOM

FIGURE 2-13. COMPENSATION CYLINDER PINS INSTALLATION



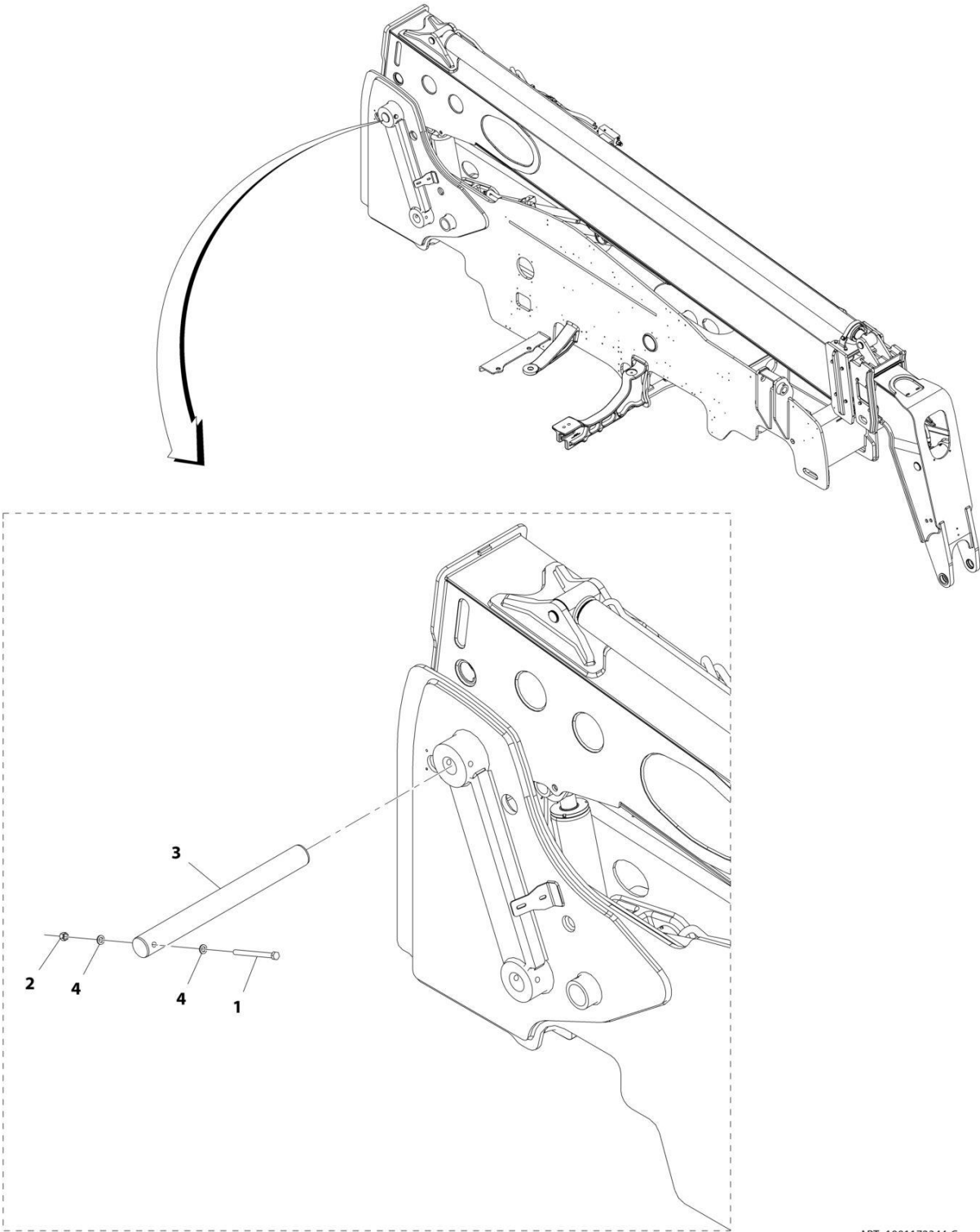
ART_1001172345-D

FIGURE 2-13. COMPENSATION CYLINDER PINS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172345	Ref	Compensation Cylinder Pins Installation	D
1	0711229	1	Bolt, M12X120 Grade 10.9	
2	0711635	1	Bolt, M16X180 Grade 10.9	
3	2160016	2	Fitting, Grease	
4	3291205	1	Nut, Lock M12X1.75 Grade 8	
5	3291605	1	Nut, Lock M16X2 Grade 8	
6	1001172352	1	Pin, Cylinder Base	
7	1001172353	1	Pin, Cylinder End	
8	4812300	2	Washer, M16	
9	4812100	2	Washer, M12	

SECTION 2 - BOOM

FIGURE 2-14. BOOM PIVOT PIN INSTALLATION



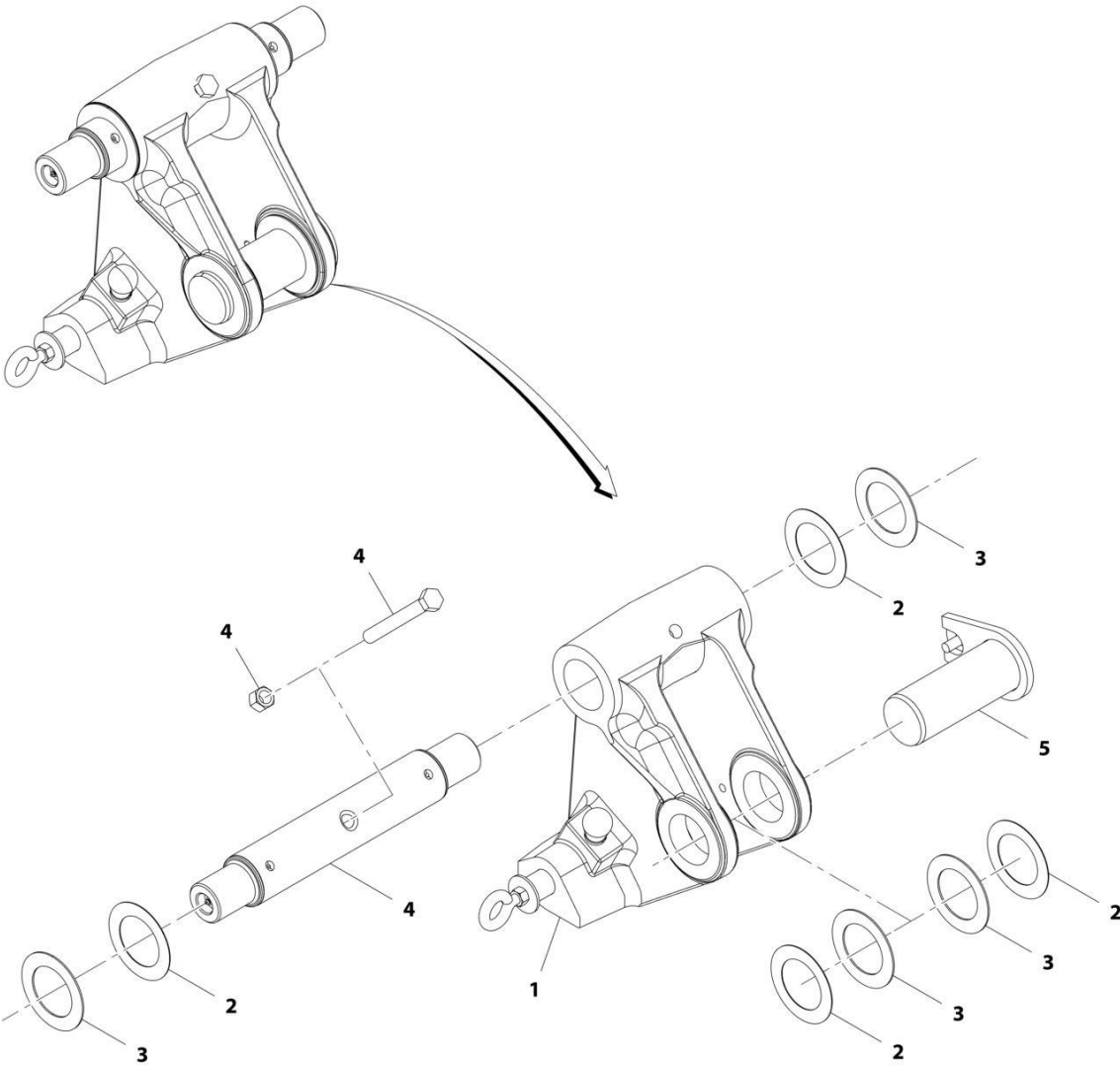
ART_1001172344-C

FIGURE 2-14. BOOM PIVOT PIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172344	Ref	Boom Pivot Pin Installation	D
1	1001091951	1	Bolt, M16X200	
2	3291605	1	Nut, Lock M16X2 Grade 8	
3	1001166975	1	Pin	
4	4812300	2	Washer, M16	

SECTION 2 - BOOM

FIGURE 2-15. MANUAL QUICK COUPLER INSTALLATION



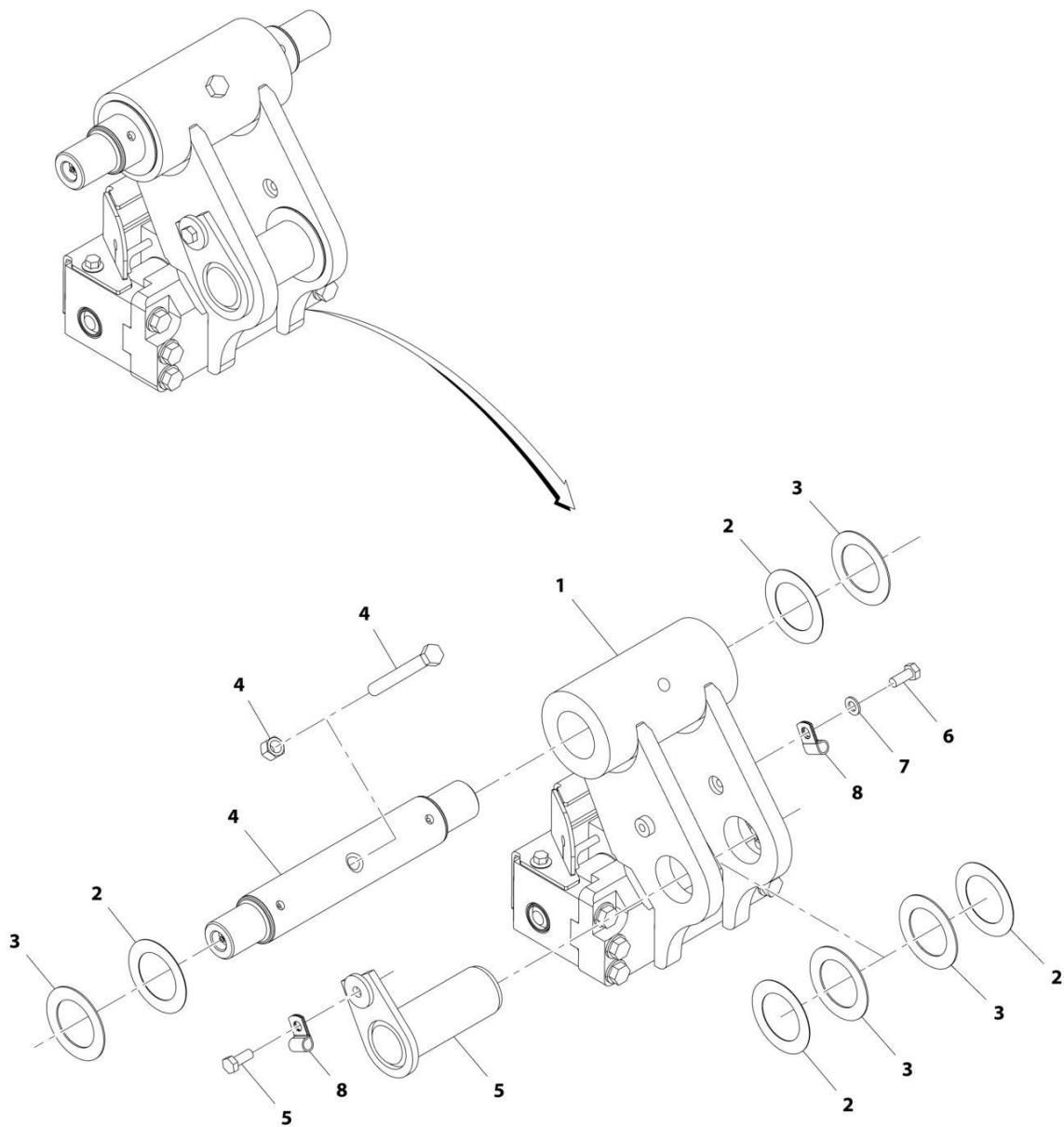
ART_1001170628-A

FIGURE 2-15. MANUAL QUICK COUPLER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001170628	Ref	Manual Quick Coupler Installation	A
	1001171764	1	Coupling, Quick Connect (See Separate Breakdown in this Section)	
2	1001164884	AR	Shim	
3	1001164885	AR	Shim	
4	1001167761	Ref	Installation, Boom Pin (See Separate Breakdown in this Section)	
5	1001167762	Ref	Installation, Tilt Cylinder Pin (See Separate Breakdown in this Section)	

SECTION 2 - BOOM

FIGURE 2-16. HYDRAULIC QUICK COUPLER INSTALLATION



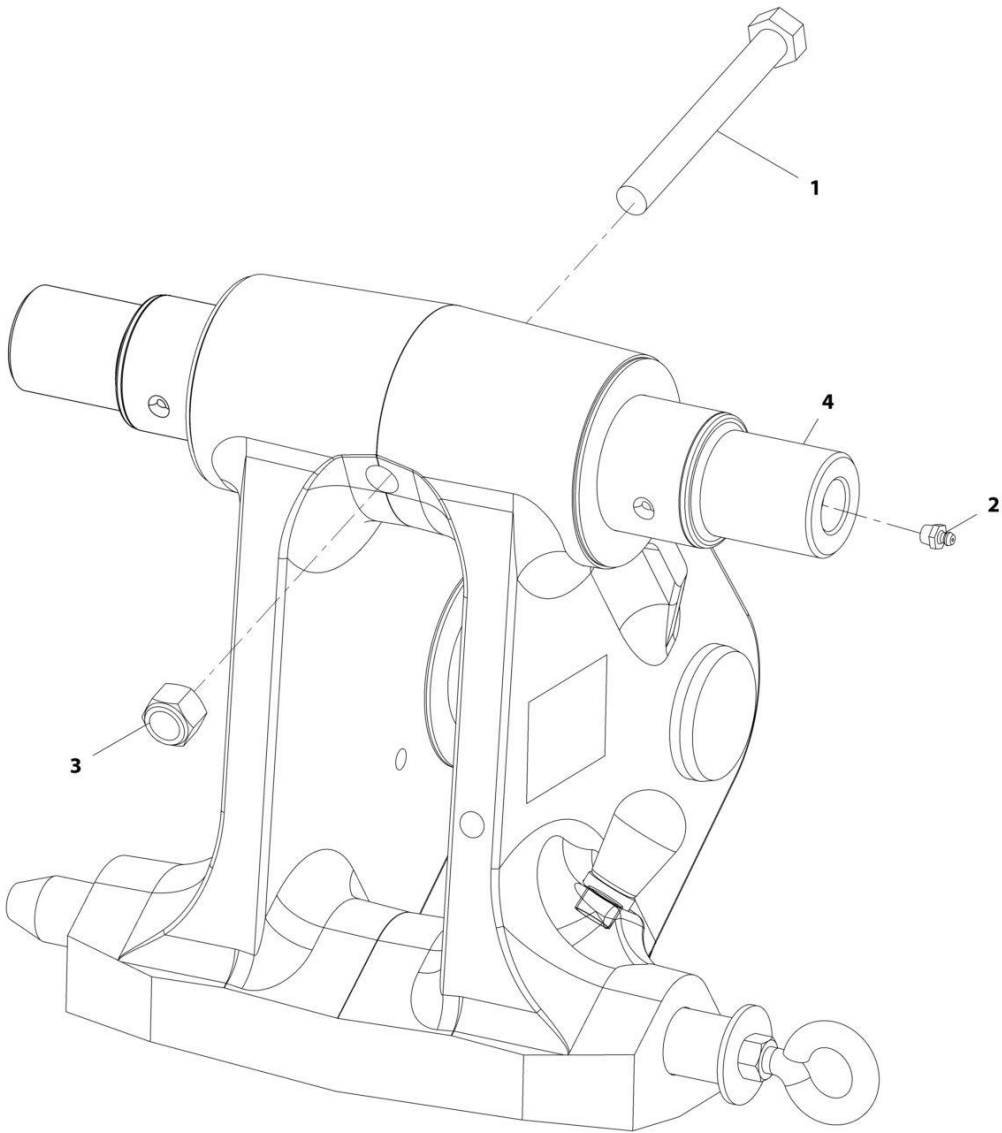
ART_1001170631-B

FIGURE 2-16. HYDRAULIC QUICK COUPLER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001170631	Ref	Hydraulic Quick Coupler Installation	B
	1001172134	1	Assembly, Hydraulic Quick Coupler (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
2	1001164884	AR	Shim	
3	1001164885	AR	Shim	
4	1001167761	Ref	Installation, Boom Pin (See Separate Breakdown in this Section)	
5	1001167762	Ref	Installation, Tilt Cylinder Pin (See Separate Breakdown in this Section)	
6	0761214	1	Capscrew, M12X30	
7	4812100	1	Washer, M12	
8	1001080996	2	Clamp	

SECTION 2 - BOOM

FIGURE 2-17. BOOM PIN INSTALLATION



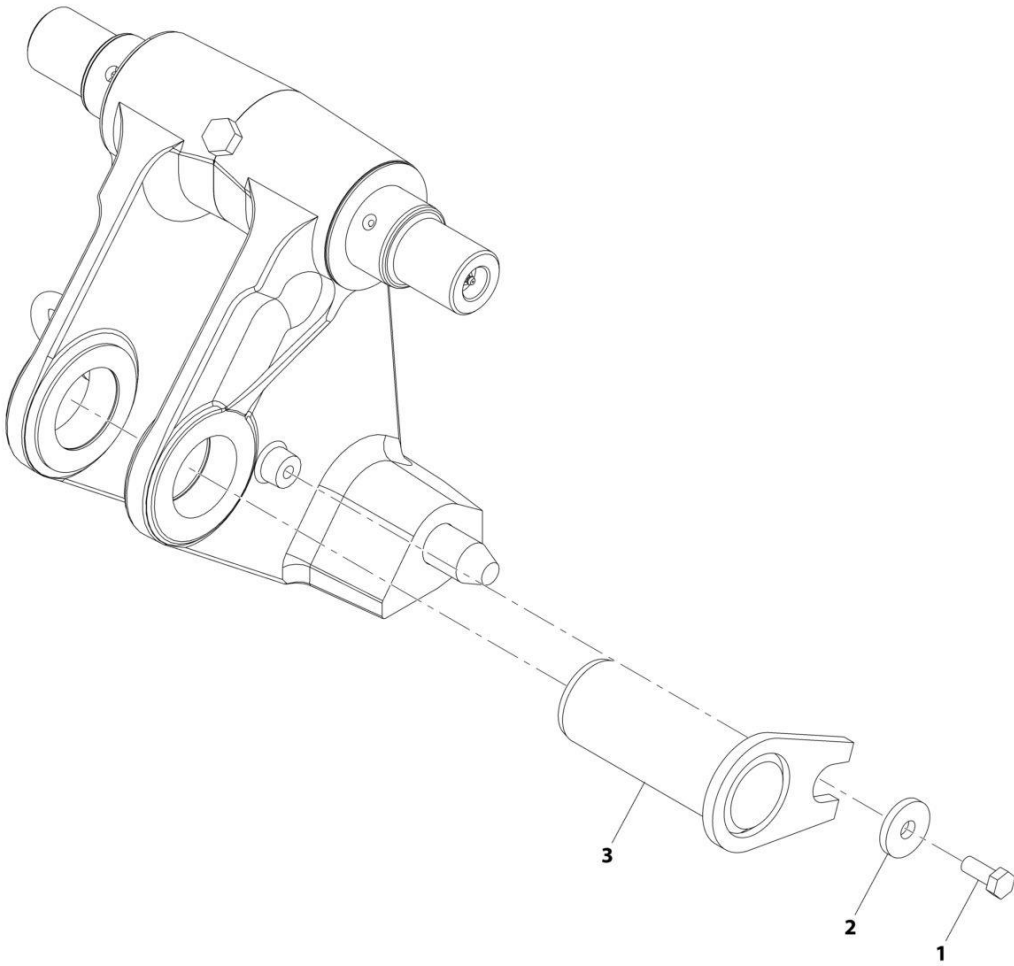
ART_1001167761-B

FIGURE 2-17. BOOM PIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167761	Ref	Boom Pin Installation	B
1	0711631	1	Bolt, M16X140	
2	2160016	2	Fitting, Straight	
3	3291605	1	Nut, Lock M16X2	
4	1001164871	1	Pin	

SECTION 2 - BOOM

FIGURE 2-18. TILT CYLINDER PIN INSTALLATION



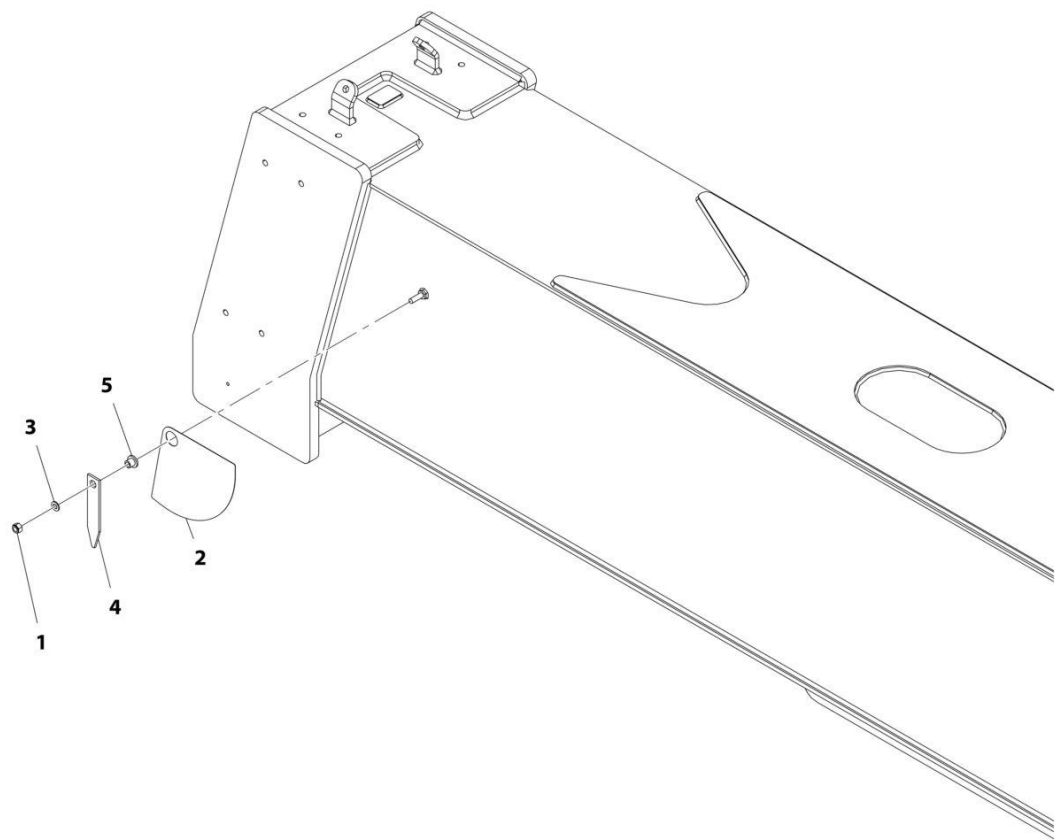
ART_1001167762-A

FIGURE 2-18. TILT CYLINDER PIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167762	Ref	Tilt Cylinder Pin Installation	A
1	0761214	1	Bolt, M12X30	
2	4740003	1	Washer	
3	1001164881	1	Pin	

SECTION 2 - BOOM

FIGURE 2-19. BOOM ANGLE INDICATOR INSTALLATION



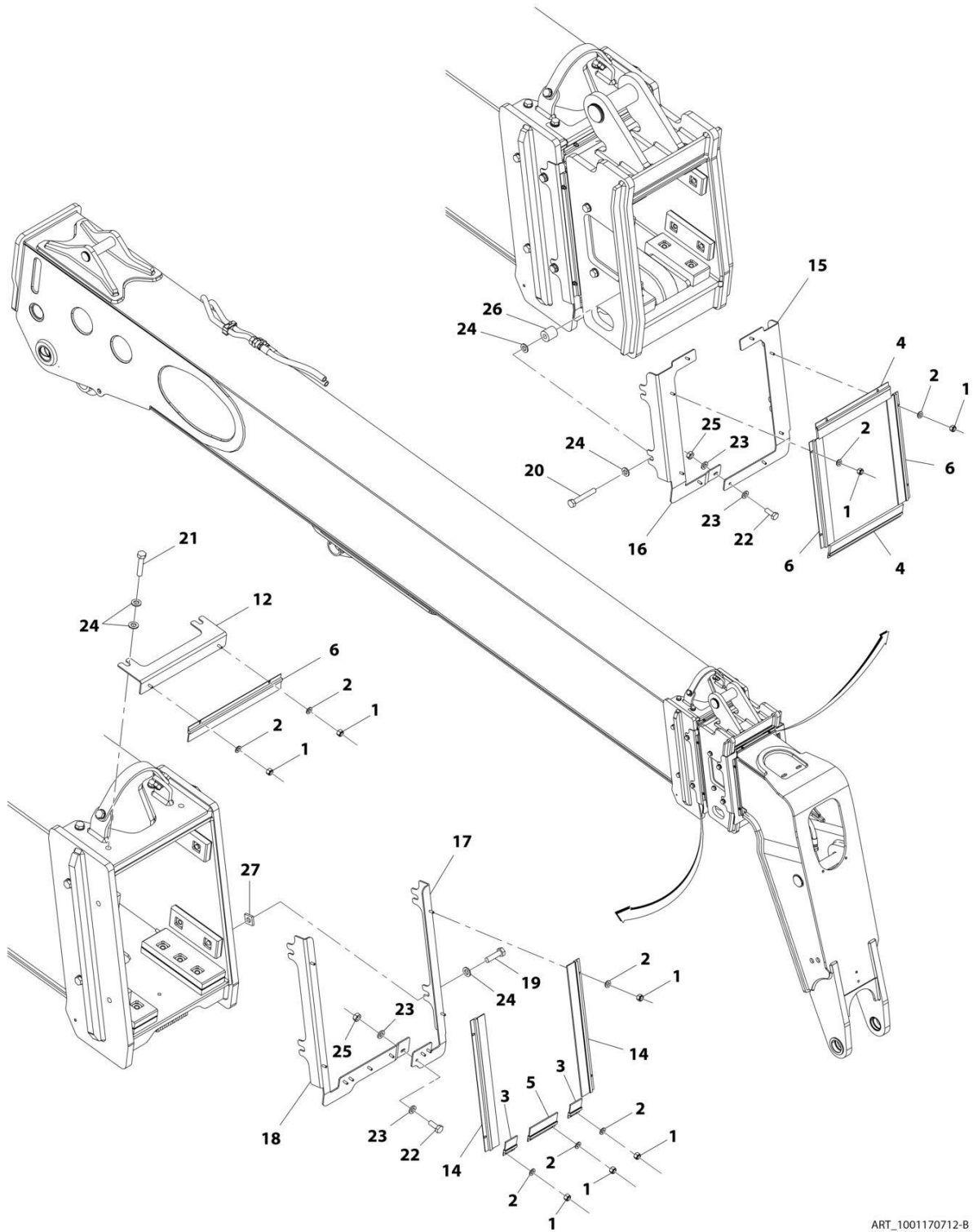
ART_1001167806-B

FIGURE 2-19. BOOM ANGLE INDICATOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167806	Ref	Boom Angle Indicator Installation	B
1	3291005	1	Nut, Lock M10X1.5 Grade 8	
2	4105262	1	Decal, Boom Angle Indicator	
3	4812000	1	Washer, M10	
4	1001098769	1	Plate	
5	1001171808	1	Spacer	

SECTION 2 - BOOM

FIGURE 2-20. BOOM BRUSHES INSTALLATION



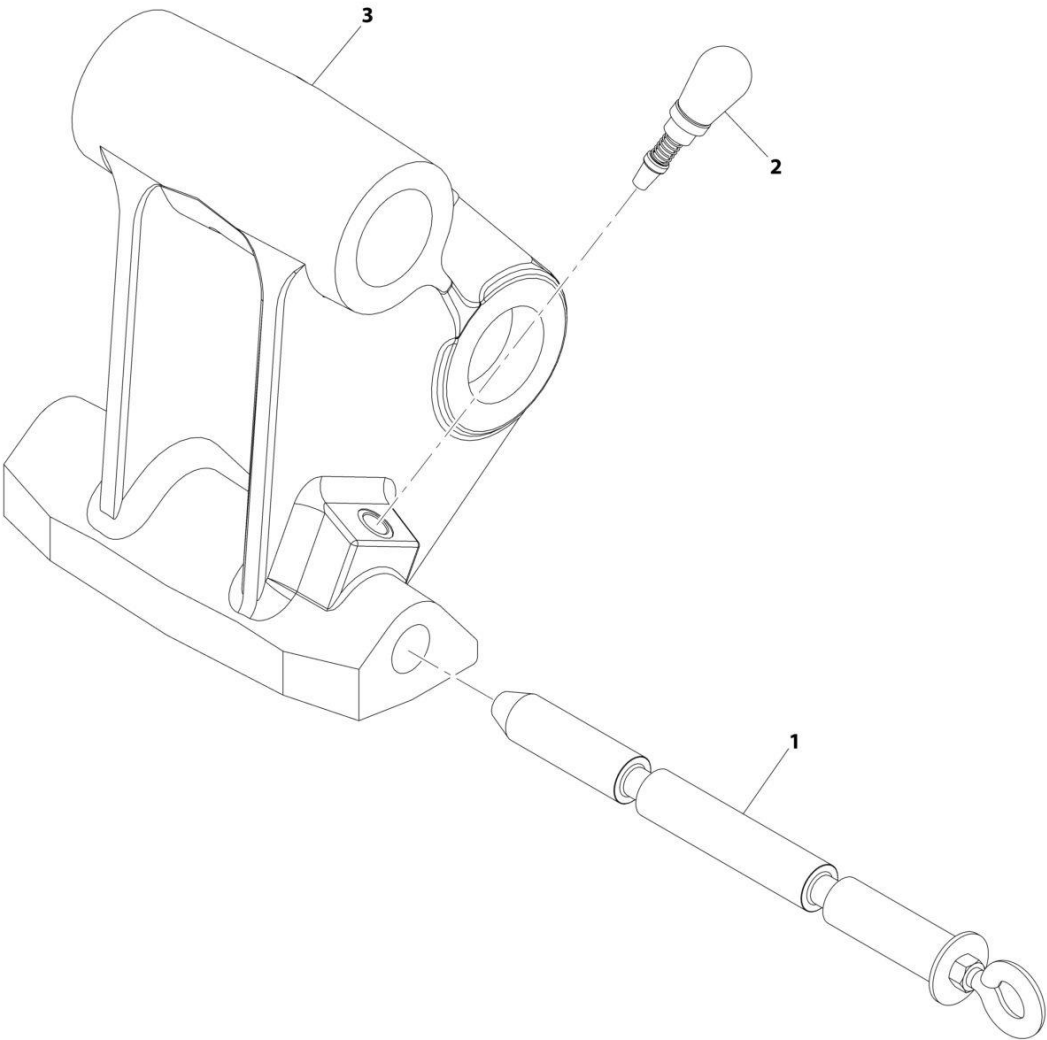
ART_1001170712-B

FIGURE 2-20. BOOM BRUSHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170712	Ref	Boom Brushes Installation	B
1	3290505	20	Nut, Lock M5X0.8 Grade 8	
2	4811600	20	Washer, M5	
3	1001172994	2	Brush, Boom	
4	1001172995	2	Brush, Boom	
5	1001172996	1	Brush, Boom	
6	1001172997	3	Brush, Boom	
12	1001175683	1	Bracket, Boom Brush	
14	1001173739	2	Brush, Boom	
15	1001193578	1	Bracket, Boom Brush	
16	1001193579	1	Bracket, Boom Brush	
17	1001194785	1	Bracket, Boom Brush	
18	1001194787	1	Bracket, Boom Brush	
19	0701217	4	Bolt, M12X45	
20	0701224	4	Bolt, M12X80	
21	0711220	2	Bolt, M12-1.75X60 Grade 10.9	
22	0760608	2	Bolt, M6X16	
23	4811700	4	Washer, M6	
24	1001125117	16	Washer, M12	
25	3290601	2	Nut, M6X1	
26	1001193577	4	Spacer	
27	1001194789	4	Plate	

SECTION 2 - BOOM

FIGURE 2-21. QUICK COUPLER ASSEMBLY



ART_1001171764-A

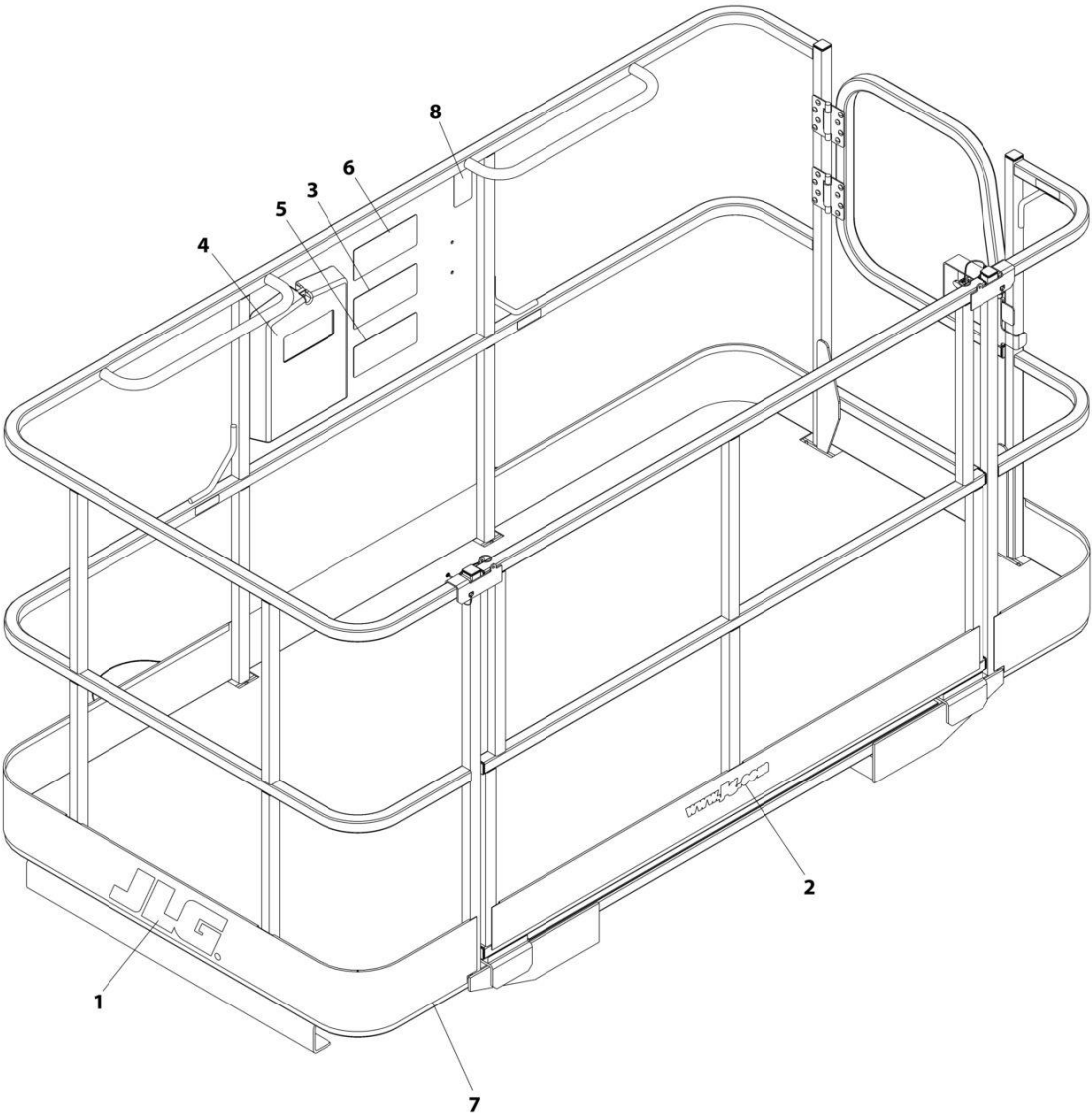
FIGURE 2-21. QUICK COUPLER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171764	Ref	Quick Coupler Assembly	A
1	1001105441	1	Pin	
2	1001143692	1	Pin, Poppin	
3	1001164567	1	Coupling, Quick Connect	

SECTION 3 - ATTACHMENTS

SECTION 3 - ATTACHMENTS

FIGURE 3-1. BASKET, PERSONNEL - 4FT X 8FT (ASME)



ART_1001238653-A

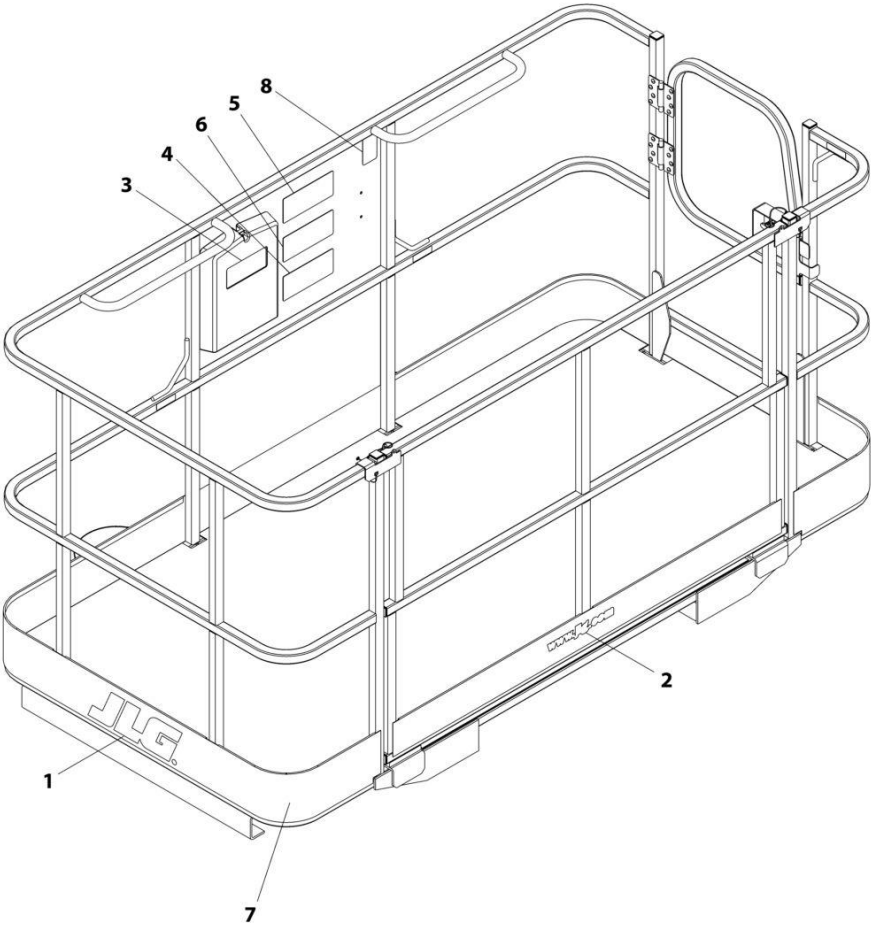
SECTION 3 - ATTACHMENTS

FIGURE 3-1. BASKET, PERSONNEL - 4FT X 8FT (ASME)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238653	Ref	FORK MOUNTED PLATFORM	B
1	1702773	2	Decal, JLG	
2	1704885	1	Decal, Website	
3	1706892	1	Decal, Platform Warning	
4	31200160	1	Manual, Personnel Work Platform Operation and Safety	
5	1001092481	1	Decal, Warning Attachment	
6	1001092482	1	Decal, Platform Capacity	
7	1001238565	1	Platform, Fork Mounted (See Separate Breakdown in this Section)	
8	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-2. BASKET, PERSONNEL - 4FT X 8FT (DOMESTIC)



ART_1001238655-A

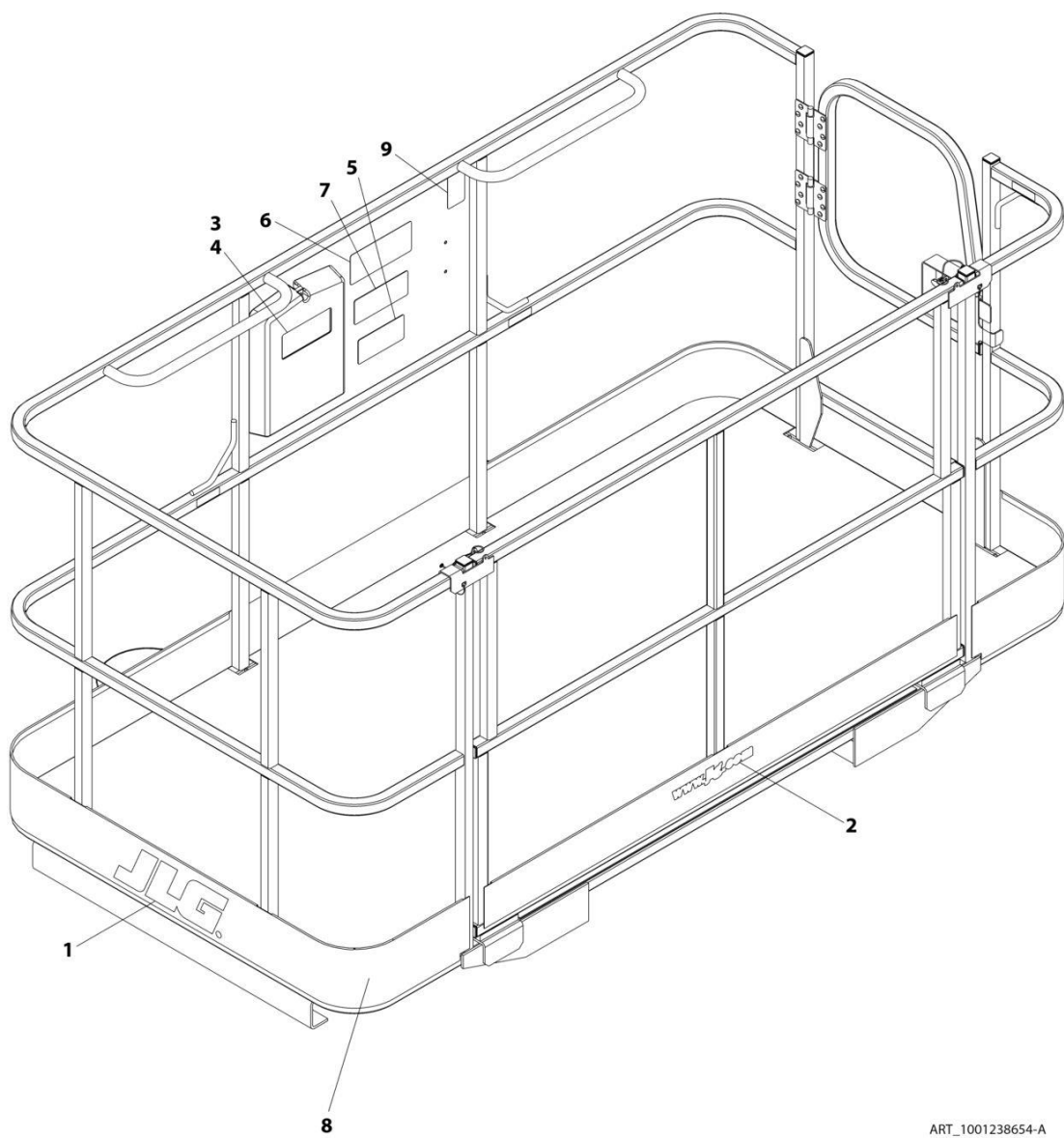
SECTION 3 - ATTACHMENTS

FIGURE 3-2. BASKET, PERSONNEL - 4FT X 8FT (DOMESTIC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238655	Ref	BASKET, PERSONNEL	B
1	1702773	2	Decal, JLG	
2	1704885	1	Decal, Website	
3	31200386	1	Manual, Operation and Safety (French)	
4	1001096019	1	Decal, Warning Attachment (French)	
5	1001096020	1	Decal, Platform Capacity (French)	
6	1001096024	1	Decal, Platform Warning (French)	
7	1001238565	1	Platform, Fork Mounted (ANSI) (See Separate Breakdown in this Section)	
8	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-3. BASKET, PERSONNEL - 4FT X 8FT (ISO)



ART_1001238654-A

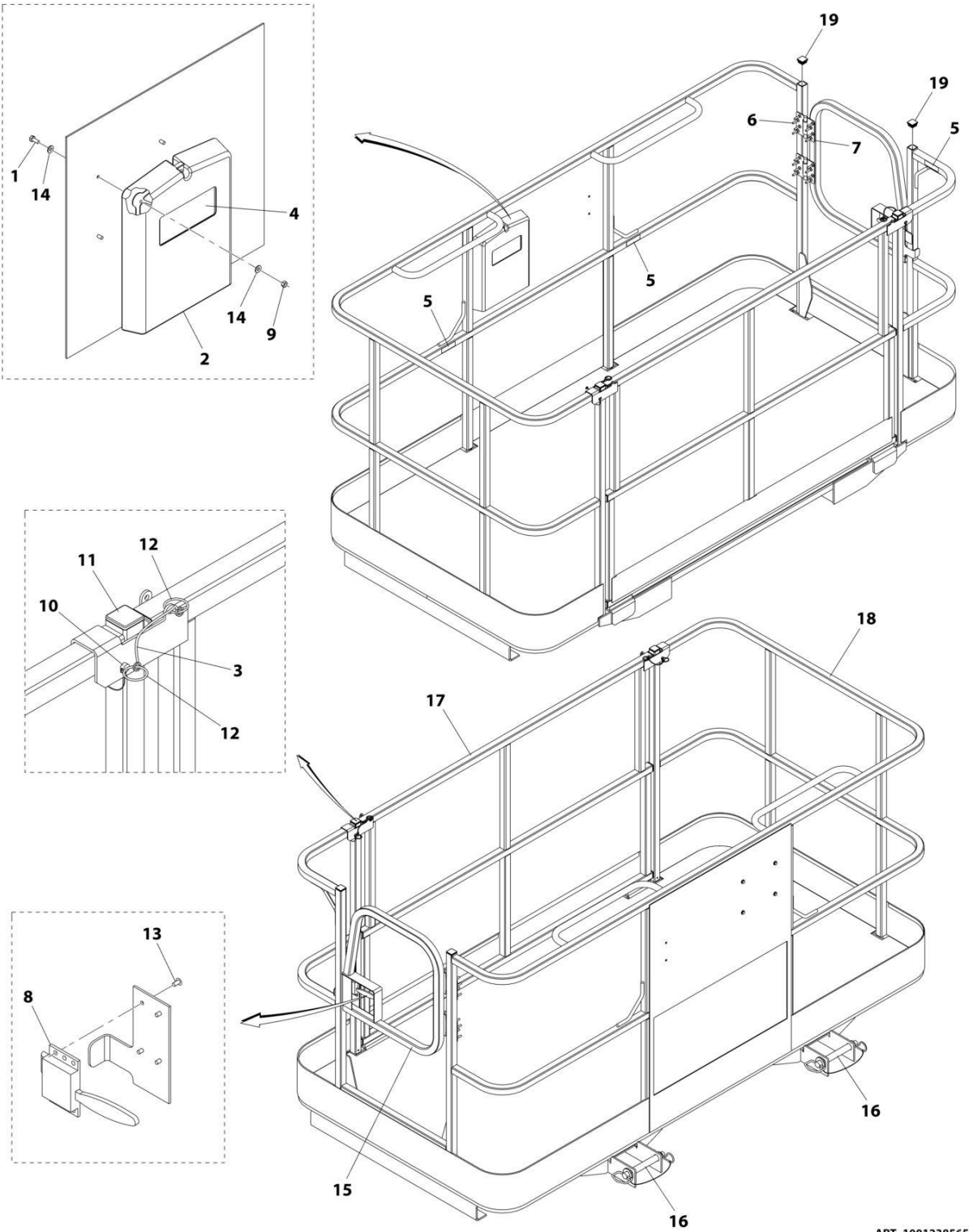
SECTION 3 - ATTACHMENTS

FIGURE 3-3. BASKET, PERSONNEL - 4FT X 8FT (ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238654	Ref	BASKET, PERSONNEL	B
1	1702773	2	Decal, JLG	
2	1704885	1	Decal, Website	
3	31200387	1	Manual, Operation and Safety, Spanish	
4	31200388	1	Manual, Operation and Safety, Portuguese	
5	1001096021	1	Decal, Warning Attachment	
6	1001096023	1	Decal, Platform Capacity	
7	1001096025	1	Decal, Platform Warning	
8	1001238565	1	Platform, Fork Mounted (ANSI) (See Separate Breakdown in this Section)	
9	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-4. BASKET, FORK MOUNTED



ART_1001238565

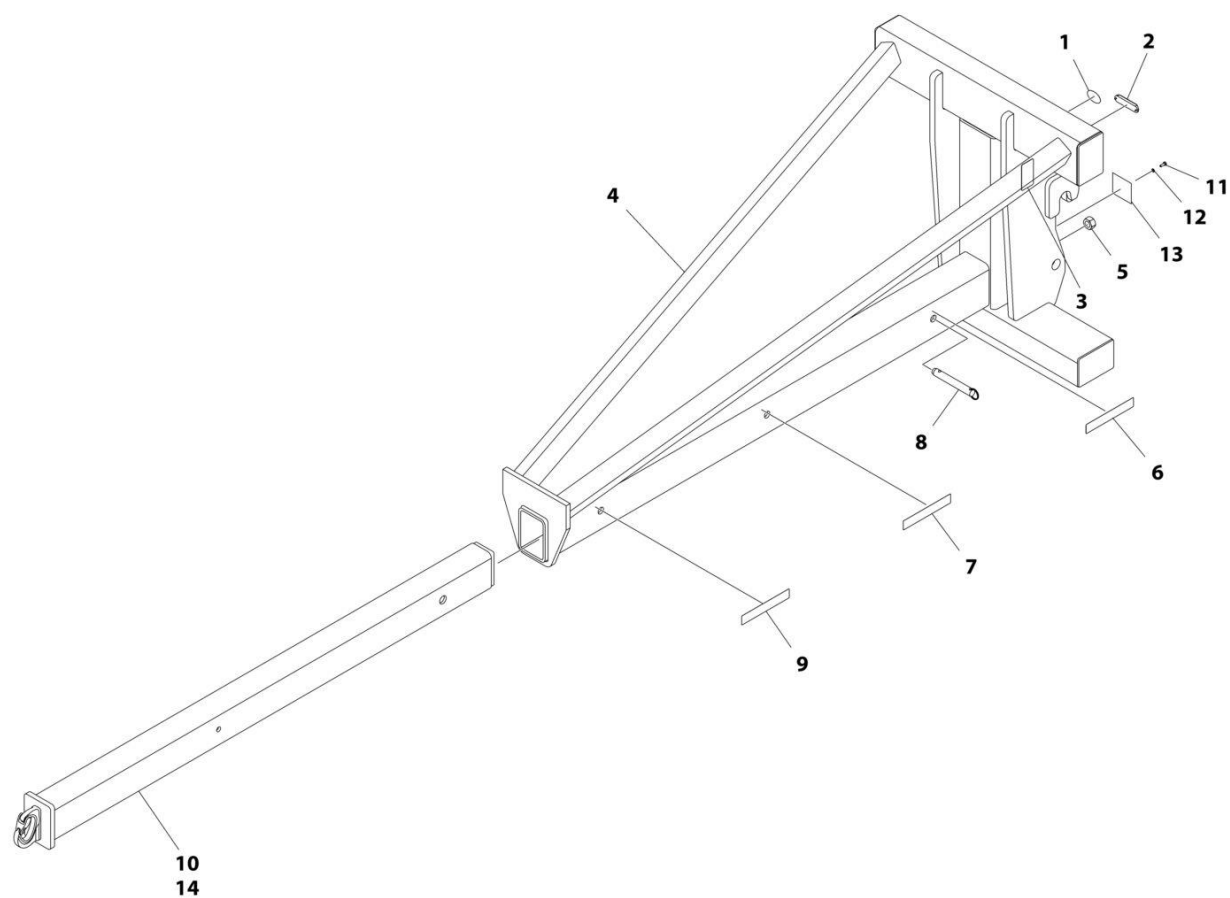
SECTION 3 - ATTACHMENTS

FIGURE 3-4. BASKET, FORK MOUNTED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238565	Ref	FORK MOUNTED PLATFORM ASSEMBLY	F
1	0641405	4	Bolt 1/4 x 5/8	
2	0860520	1	Box, Manual Storage	
3	1060379	2	Cable, Lanyard	
4	1701509	1	Decal, Manual	
5	1704277	3	Decal, Lanyard Attach	
6	2080040	16	Fastener	
7	2600281	2	Hinge	
8	2940074	1	Latch	
9	3311405	4	Nut 1/4	
10	3421453	2	Pin	
11	3520072	7	Plug	
12	3760170	4	Ring	
13	3820020	4	Rivet	
14	4711400	8	Washer 1/4	
15	1001144629J	1	Gate	
16	1001238560	2	Pin, Hitch	
17	1001095810	1	Gate	
18	See Note	NSS	Platform, Fork Mounted	
19	3520198	4	Plug	

SECTION 3 - ATTACHMENTS

FIGURE 3-5. BOOM - ADJUSTABLE (CARRIAGE MOUNTED)



ART_1001176515_D

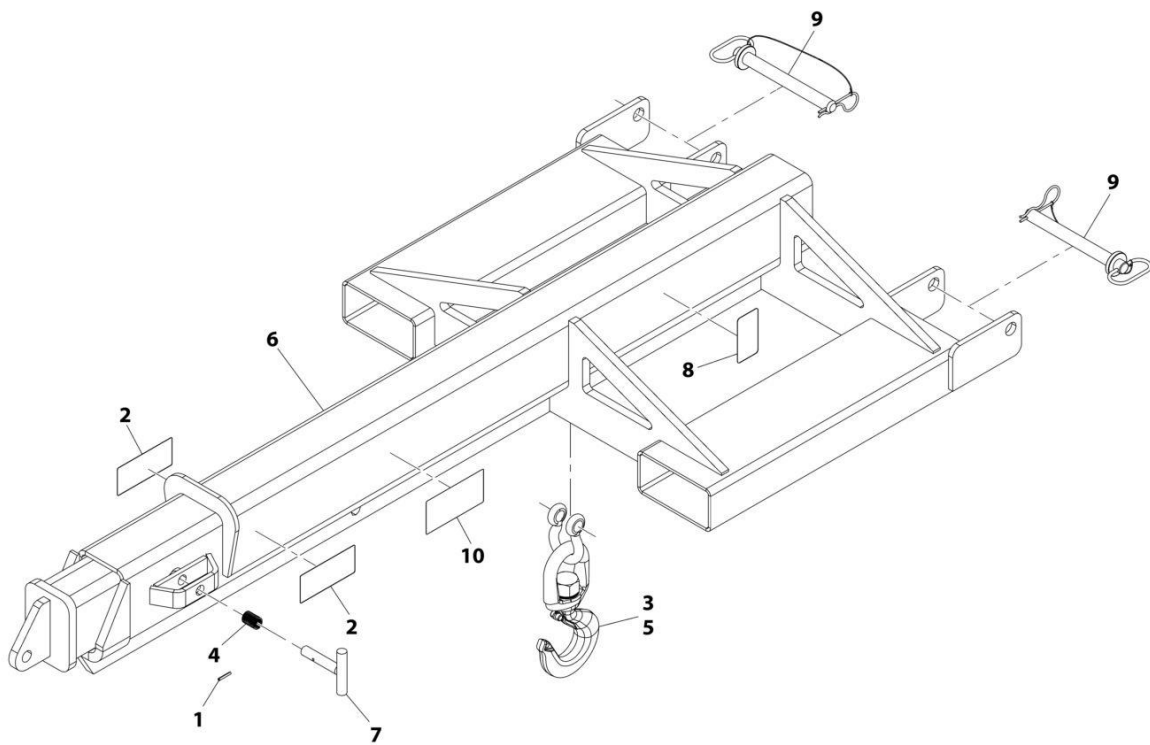
SECTION 3 - ATTACHMENTS

FIGURE 3-5. BOOM - ADJUSTABLE (CARRIAGE MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176515	Ref	ADJUSTABLE TRUSS BOOM	E
1	90554016	1	Decal, Made in USA	
2	1001227670	1	Tag, RFID	
3	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
4	See Note	NSS	Truss Boom, Adjustable (Note: Purchase Complete Assembly)	
5	70021440	1	Nut, Lock	
6	70024062	2	Decal, 4000 lbs cap	
7	70026944	2	Decal, 3000 lbs cap	
8	70026946	1	Pin	
9	70026699	2	Decal, 2000 lbs cap	
10	70026747	1	Seal	
11	90554033	1	Bolt 3/4 x 1/4	
12	90554034	1	Washer 1/4	
13	70026948	1	Plate, Stop	
14	70026949	1	Boom, Telescopic	

SECTION 3 - ATTACHMENTS

FIGURE 3-6. BOOM - ADJUSTABLE (FORK MOUNTED)



ART_1001230241-H

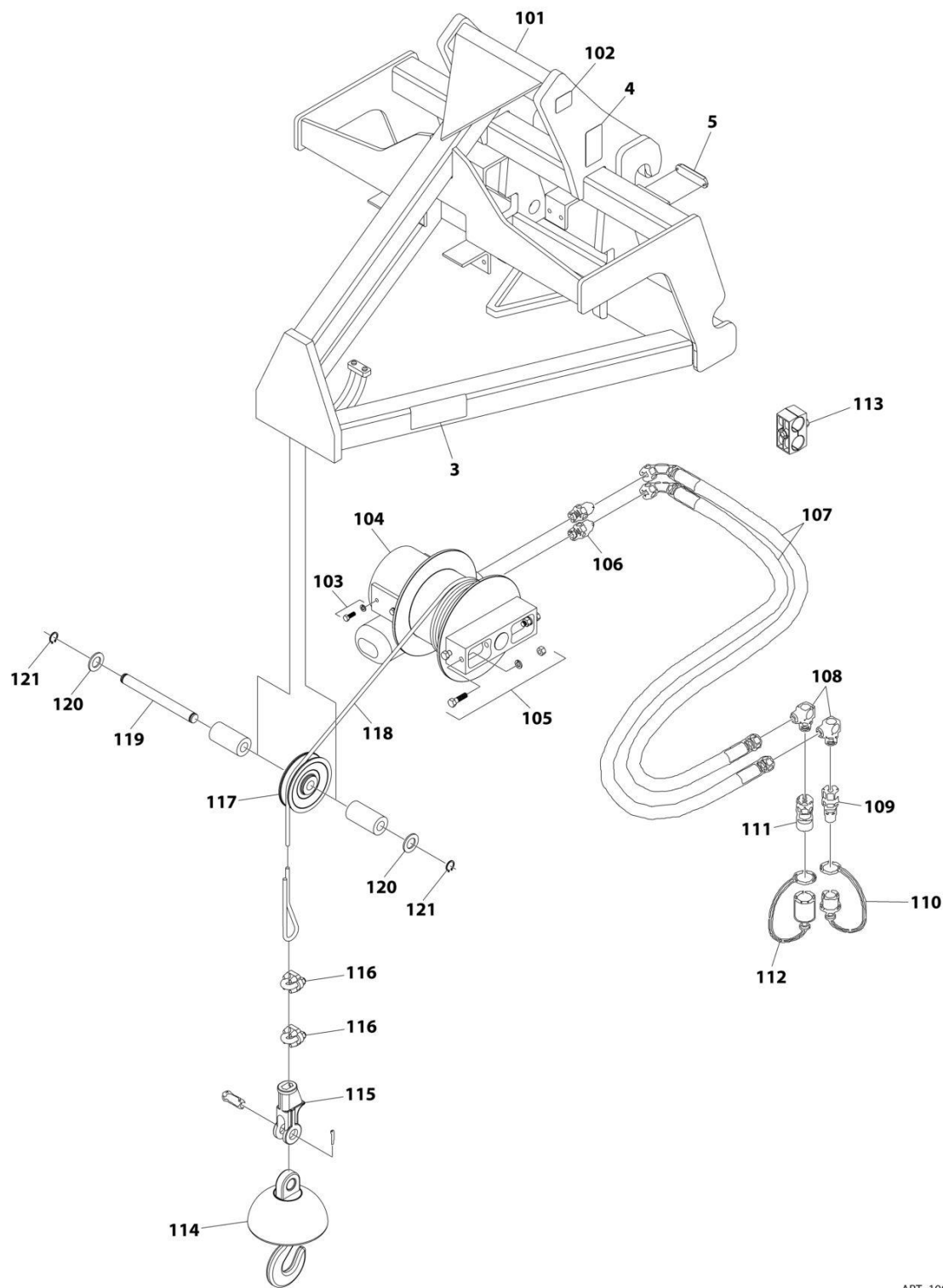
SECTION 3 - ATTACHMENTS

FIGURE 3-6. BOOM - ADJUSTABLE (FORK MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230241	Ref	Adjustable Truss Boom Installation (Fork Mounted)	J
1	3440620	1	Pin	
2	4110422	2	Decal, Danger Swinging Loads	
3	91403448	1	Hook, Swivel	
4	1001128890	1	Spring	
5	1001146160	1	Shackle	
6	See Note	NSS	Boom, Truss - Adjustable (Note: Purchase Complete Assembly)	
7	1001230239	1	Pin	
8	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
9	1001231692	2	Pin	
10	1001232500	1	Decal, Load Capacities	

SECTION 3 - ATTACHMENTS

FIGURE 3-7. BOOM - 3FT WITH WINCH



ART_1001100967_H

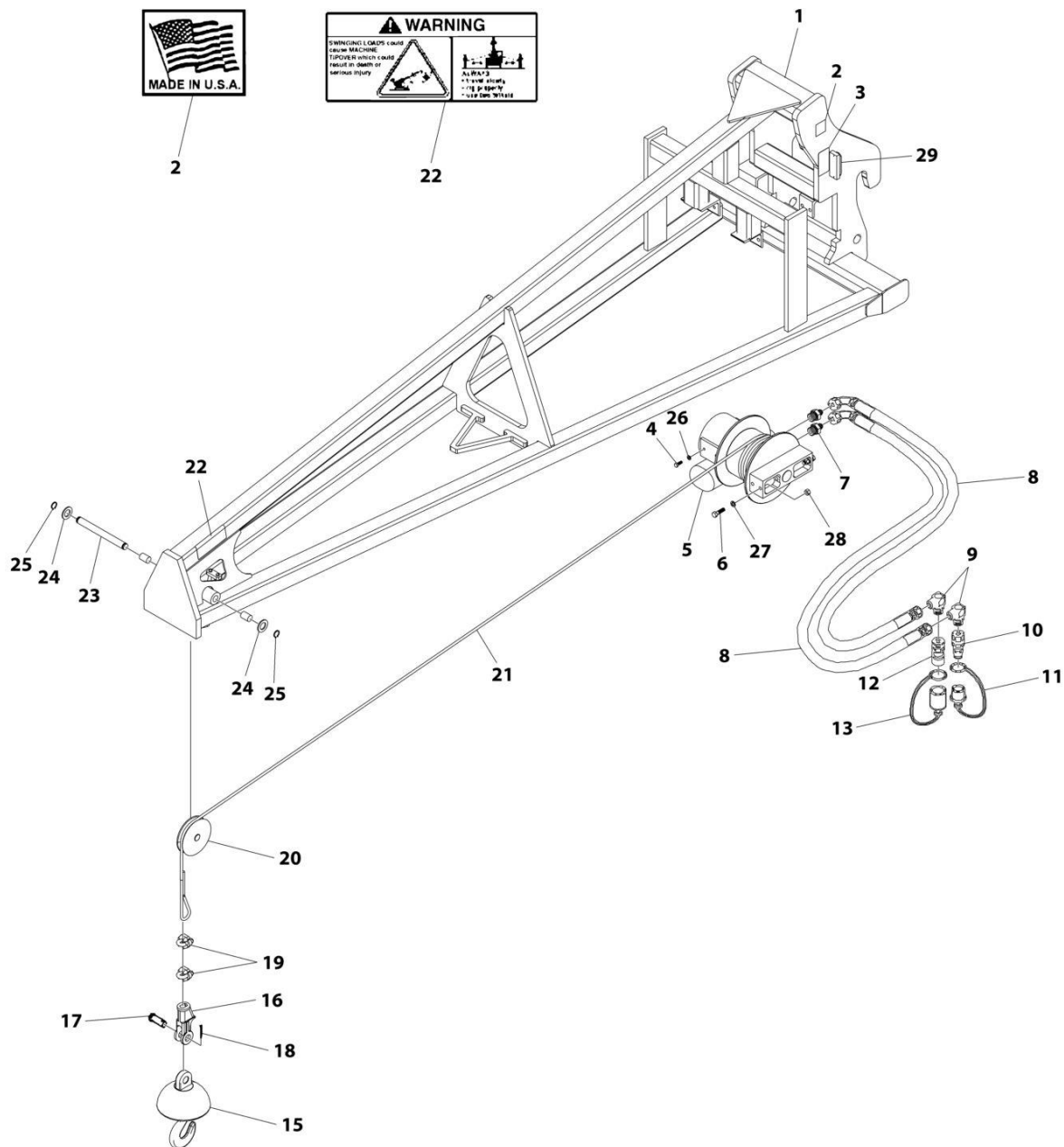
SECTION 3 - ATTACHMENTS

FIGURE 3-7. BOOM - 3FT WITH WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100967	Ref	TRUSS BOOM ASSEMBLY (3 FOOT WITH WINCH) (INCLUDES ITEMS 3, 4, 5 & 101 THRU 121)	H
3	4110422	2	Decal, Danger, Swinging Loads	
4	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
5	1001227670	1	Tag, RFID	
101	See Note	NSS	Truss Boom Frame (Note: Purchase Complete Assembly)	
102	90554016	1	Decal	
103	70021349	4	Bolt	
103	90554042	4	Washer	
104	70021921	1	Winch, Truss Boom	
105	70024059	4	Bolt	
105	90554054	4	Nut	
105	90554020	4	Washer	
106	70021415	2	Fitting	
107	70021977	2	Hose 32in (Boom Front Disconnect)	
107	70031445	2	Hose 48in (Boom Side Disconnect)	
108	70022527	2	Fitting, 90	
109	91403414	1	Fitting, Straight	
110	8420053	1	Cap	
111	91403413	1	Fitting, Straight	
112	8420055	1	Plug	
113	70021387	1	Clamp	
114	70021978	1	Ball Swivel Safety Hook	
115	70021979	1	Assembly, Socket	
116	70022528	2	Clamp	
117	70021935	1	Pulley	
118	70022028	1	Cable	
119	70022529	1	Pin	
120	70027009	2	Washer	
121	70026698	2	Ring, Snap	

SECTION 3 - ATTACHMENTS

FIGURE 3-8. BOOM - 12FT WITH WINCH



ART_1001099351_N

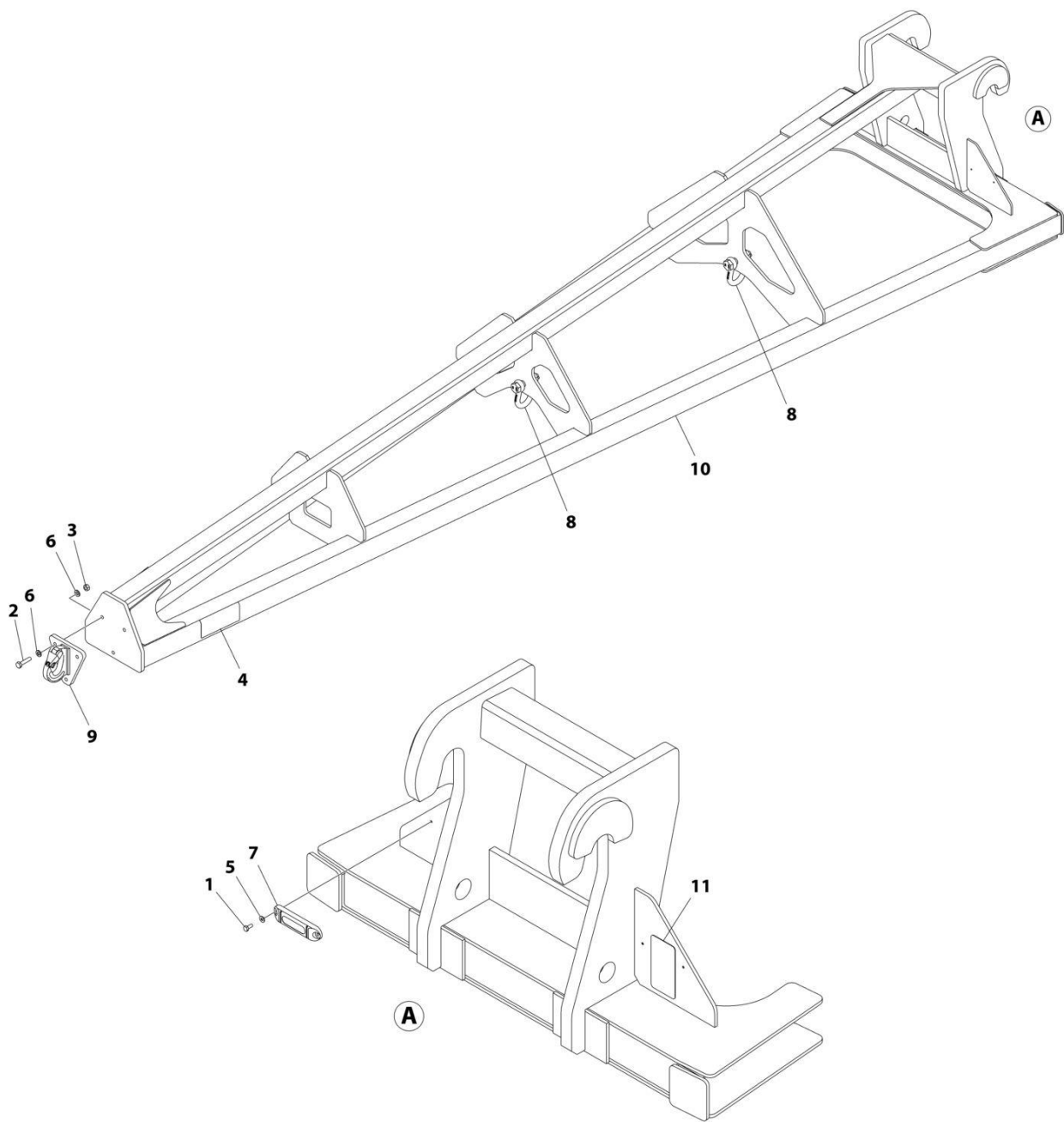
SECTION 3 - ATTACHMENTS

FIGURE 3-8. BOOM - 12FT WITH WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099351	Ref	TRUSS BOOM (0.9 TON - 3.7M WITH WINCH)	N
1	N.S.S.	1	Frame, Truss Boom	
2	90554016	1	Decal, Made in USA	
3	N.S.S.	1	S/N Plate	
4	70021349	4	Bolt 3/8 x 1	
5	70021921	1	Motor, Truss Boom Winch	
6	70024059	2	Bolt 1/2 x 1-3/4	
7	70021415	2	Connector	
8	70021977	2	Hose 32in (Boom Front Disconnect)	
8	70031445	2	Hose 48in (Boom Side Disconnect)	
9	70022527	2	Fitting, 90	
10	7029692	1	Fitting, Straight	
11	90554062	1	Cap, Dust	
12	70021342	1	Fitting, Straight	
13	90554076	1	Cap, Dust	
15	70021978	1	Ball Swivel with Safety Hook	
16	70021979	1	Assembly, Socket (includes items 17 thru 18)	
17	N.S.S.	1	Pin	
18	N.S.S.	1	Pin, Cotter	
19	70022528	2	Clamp	
20	70021935	1	Pulley	
21	70022028	1	Cable	
22	4110422	2	Decal, Warning Swinging Loads	
23	70022529	1	Pin	
24	70024060	2	Washer	
25	70026698	2	Ring, Snap	
26	90554042	4	Washer 3/8	
27	90554020	2	Washer 1/2	
28	90554054	2	Nut 1/2	
29	1001227670	1	Tag, RFID	

SECTION 3 - ATTACHMENTS

FIGURE 3-9. BOOM - 12FT WITHOUT WINCH



ART_1001275853

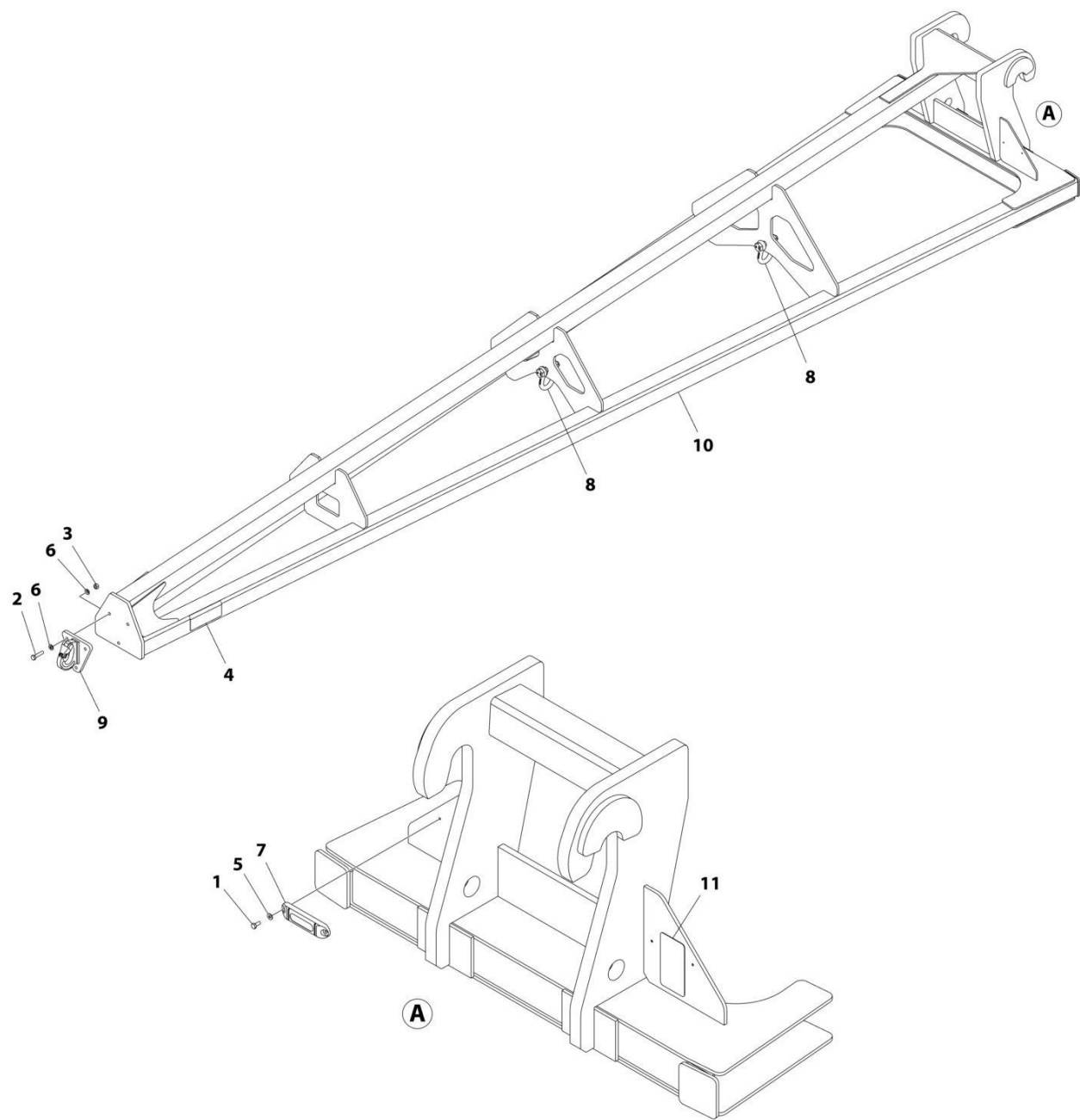
SECTION 3 - ATTACHMENTS

FIGURE 3-9. BOOM - 12FT WITHOUT WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275853	Ref	BOOM - 12FT WITHOUT WINCH	D
1	0760405	2	Bolt M4 x 10	
2	0761017	3	Bolt M10 x 45	
3	3291007	3	Nut M10	
4	4110422	2	Decal, Danger Swinging Loads	
5	4811400	2	Washer M4	
6	5241000	6	Washer M10	
7	1001227670	1	Tag, RFID	
8	1001287742	2	Clevis	
9	1001275841	1	Hook	
10	See Note	NSS	Boom, Truss (Note: Purchase Complete Assembly)	
11	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-10. BOOM - 15FT WITHOUT WINCH



ART_1001275852

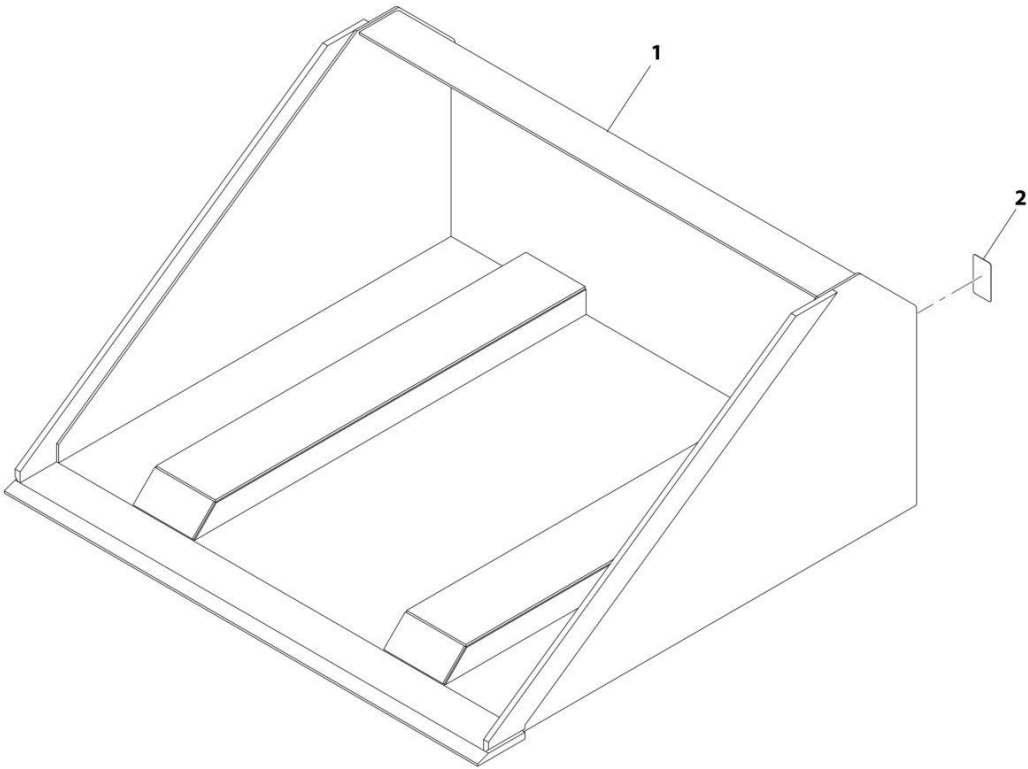
SECTION 3 - ATTACHMENTS

FIGURE 3-10. BOOM - 15FT WITHOUT WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275852	Ref	BOOM - 15FT WITHOUT WINCH	D
1	0760405	2	Bolt M4 x 10	
2	0761017	3	Bolt M10 x 45	
3	3291007	3	Nut M10	
4	4110422	2	Decal, Danger Swinging Loads	
5	4811400	2	Washer M4	
6	5241000	6	Washer M10	
7	1001227670	1	Tag, RFID	
8	1001287742	2	Clevis	
9	1001275841	1	Hook	
10	See Note	NSS	Boom, Truss (Note: Purchase Complete Assembly)	
11	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-11. BUCKET - 60IN (1.3 CU YD) (FORK MOUNTED)



ART_1001195970-D

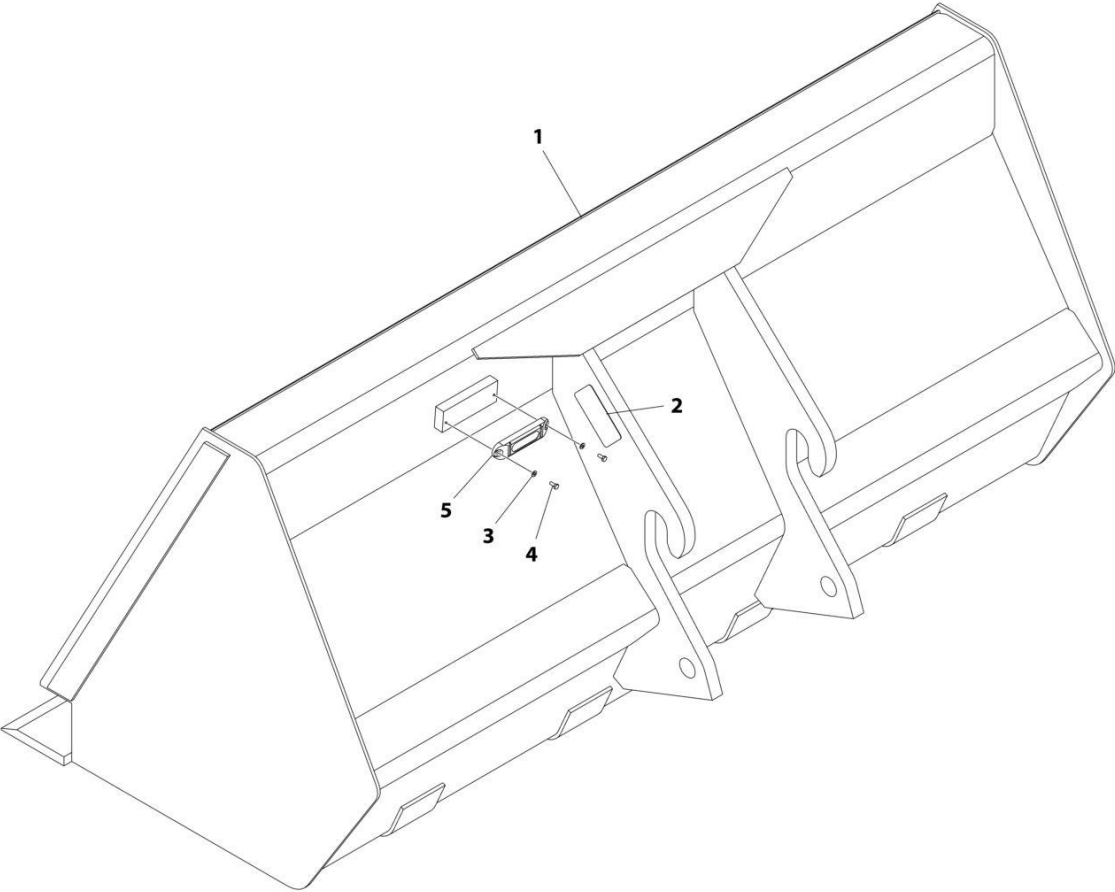
SECTION 3 - ATTACHMENTS

FIGURE 3-11. BUCKET - 60IN (1.3 CU YD) (FORK MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001195970	Ref	Bucket 1.0 m ³ (Fork Mounted)	E
2	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-12. BUCKET - 72IN (1.0 CU YD)



ART_1001100822_I

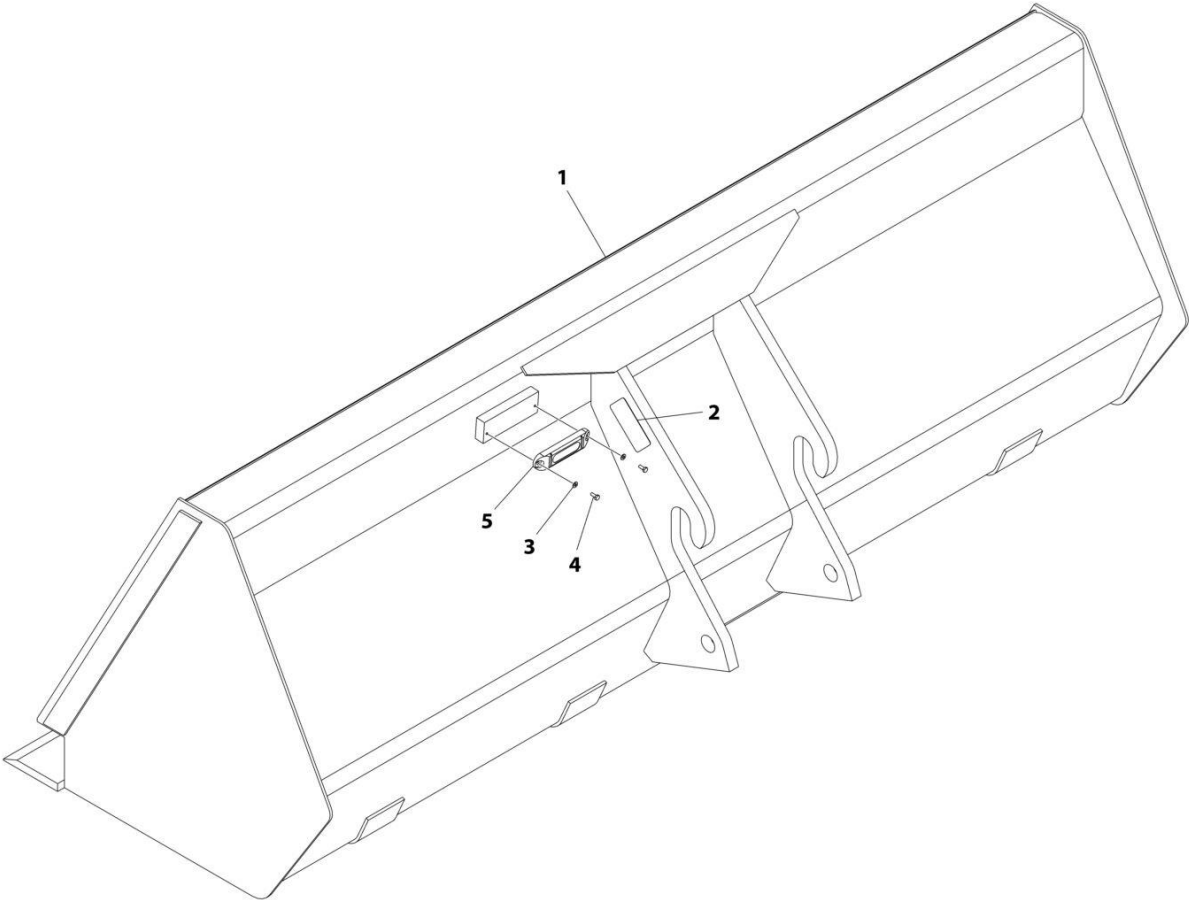
SECTION 3 - ATTACHMENTS

FIGURE 3-12. BUCKET - 72IN (1.0 CU YD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100822	Ref	BUCKET 1.0 YD ³ (ANSI - JLG)	I
1	1001100265	1	Bucket Weldment	
2	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
3	4811400	2	Washer M4	
4	0760405	2	Bolt M4 x 10	
5	1001227670	1	Tag, RFID	

SECTION 3 - ATTACHMENTS

FIGURE 3-13. BUCKET - 96IN (1.5 CU YD)



ART_1001100823_I

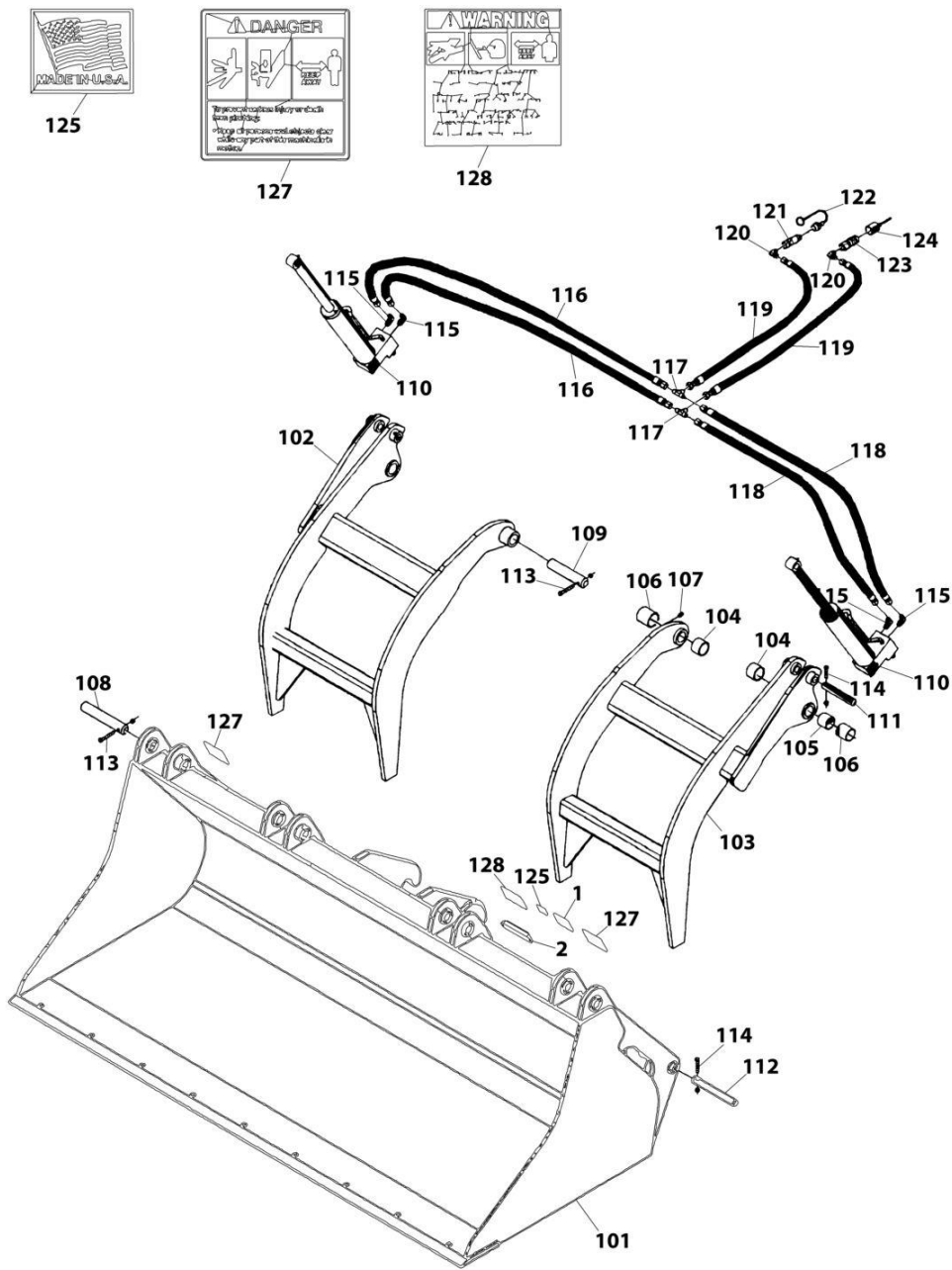
SECTION 3 - ATTACHMENTS

FIGURE 3-13. BUCKET - 96IN (1.5 CU YD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100823	Ref	BUCKET (1.15 M ³)	I
1	1001100266	1	Bucket	
2	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
3	4811400	2	Washer M4	
4	0760405	2	Bolt M4 x 10	
5	1001227670	1	Tag, RFID	

SECTION 3 - ATTACHMENTS

FIGURE 3-14. BUCKET - 96IN GRAPPLE



ART_0930020

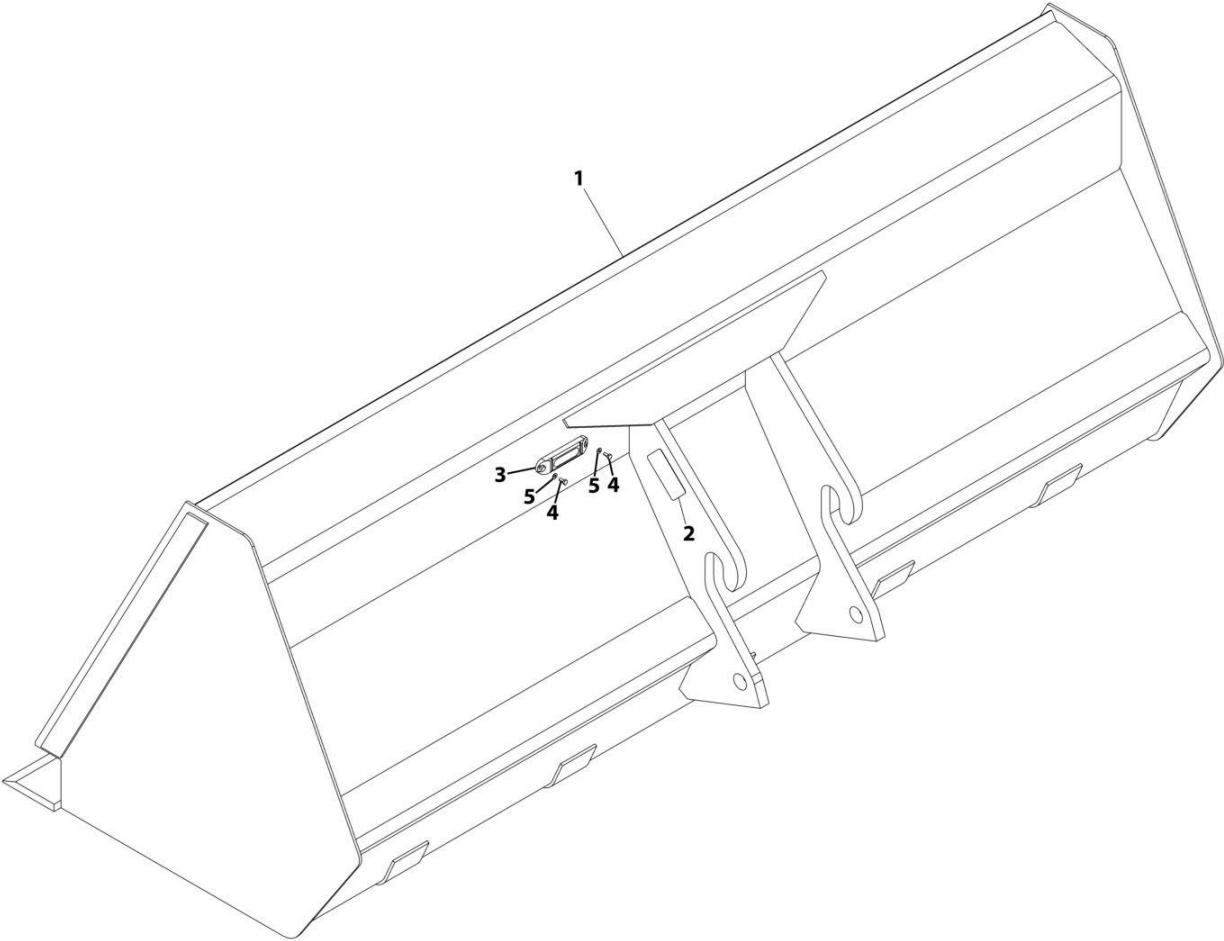
SECTION 3 - ATTACHMENTS

FIGURE 3-14. BUCKET - 96IN GRAPPLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0930020	Ref	Multi-Purpose Grapple Bucket (2450 MM)	L
1	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
2	1001227670	1	Tag, RFID	
101	N.S.S.	1	Bucket	
101	70021387	4	Clamp, Hose	
102	70021391	1	Hook, RH Grapple	
103	70021392	1	Hook, LH Grapple	
104	70021358	4	Bushing	
105	70021359	2	Spacer	
106	70021360	4	Bushing	
107	7029714	4	Fitting, Grease	
108	70021361	2	Pin	
109	70021362	2	Pin	
110	70021393	2	Cylinder, Grapple Bucket (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
111	70021364	2	Pin	
112	70021365	2	Pin	
113	70021366	4	Bolt, 3/8X2-3/4	
113	70021367	4	Nut 3/8	
114	70021399	4	Bolt, 3/8X2-1/4	
114	70021367	4	Nut, Lock 3/8	
115	90554065	4	Fitting, 90	
116	70021980	2	Hose	
117	70020562	2	Fitting, Tee	
118	70021981	2	Hose	
119	70021982	2	Hose 34in (Boom Front Disconnect)	
119	70031446	2	Hose 45in (Boom Side Disconnect)	
120	70022527	2	Fitting, 90	
121	7029692	1	Coupler	
122	90554062	1	Cover	
123	70021342	1	Coupler	
124	90554076	1	Cover	
125	90554016	1	Decal, Made in USA	
127	90554017	2	Decal, Danger Pinch Point	
128	90554018	1	Decal, Warning High Pressure	

SECTION 3 - ATTACHMENTS

FIGURE 3-15. BUCKET - 102IN (2.0 CU YD)



ART_1001100824

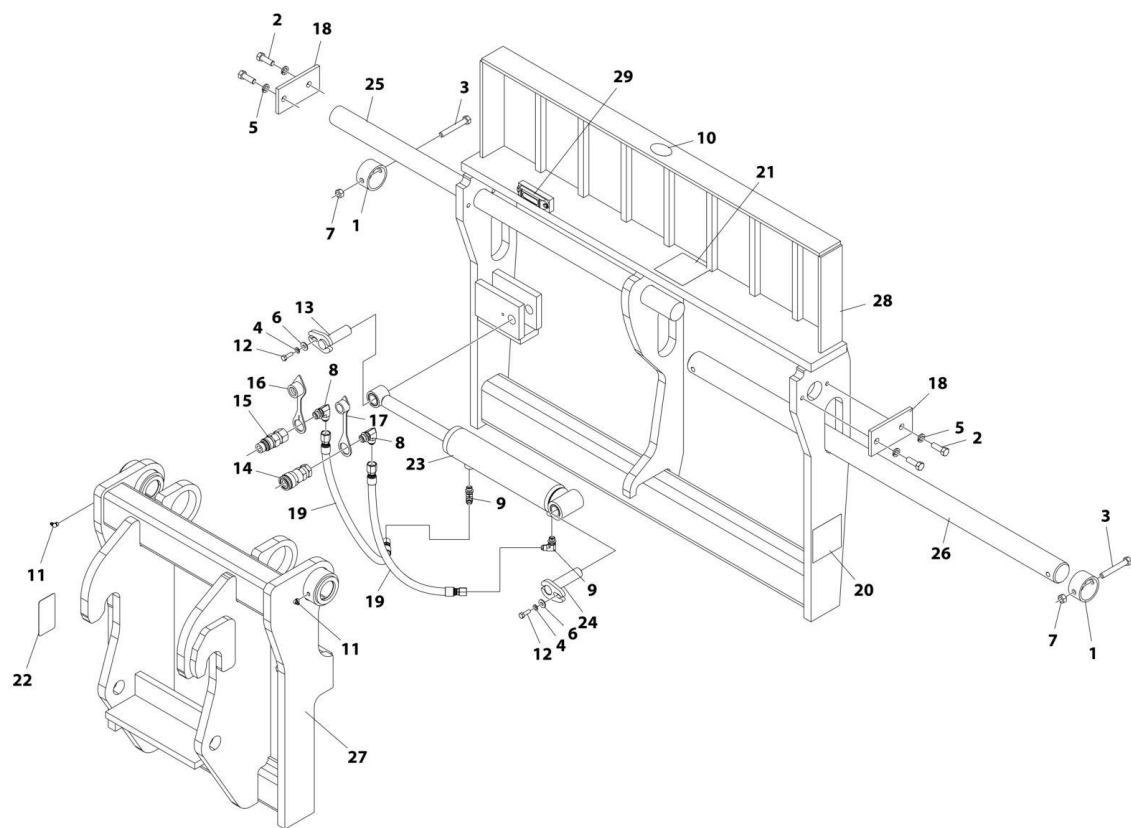
SECTION 3 - ATTACHMENTS

FIGURE 3-15. BUCKET - 102IN (2.0 CU YD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100824	Ref	Bucket (102 Inch)	H
1	1001100267	NLA	Bucket (Note: Purchase PN 1001100824)	
2	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
3	1001227670	1	Tag, RFID	
4	0760405	2	Bolt M4 x 10	
5	4811400	2	Washer M4	

SECTION 3 - ATTACHMENTS

FIGURE 3-16. CARRIAGE ASSEMBLY - 48IN/12000# CAPACITY SIDE SHIFT



ART_1001242644_C

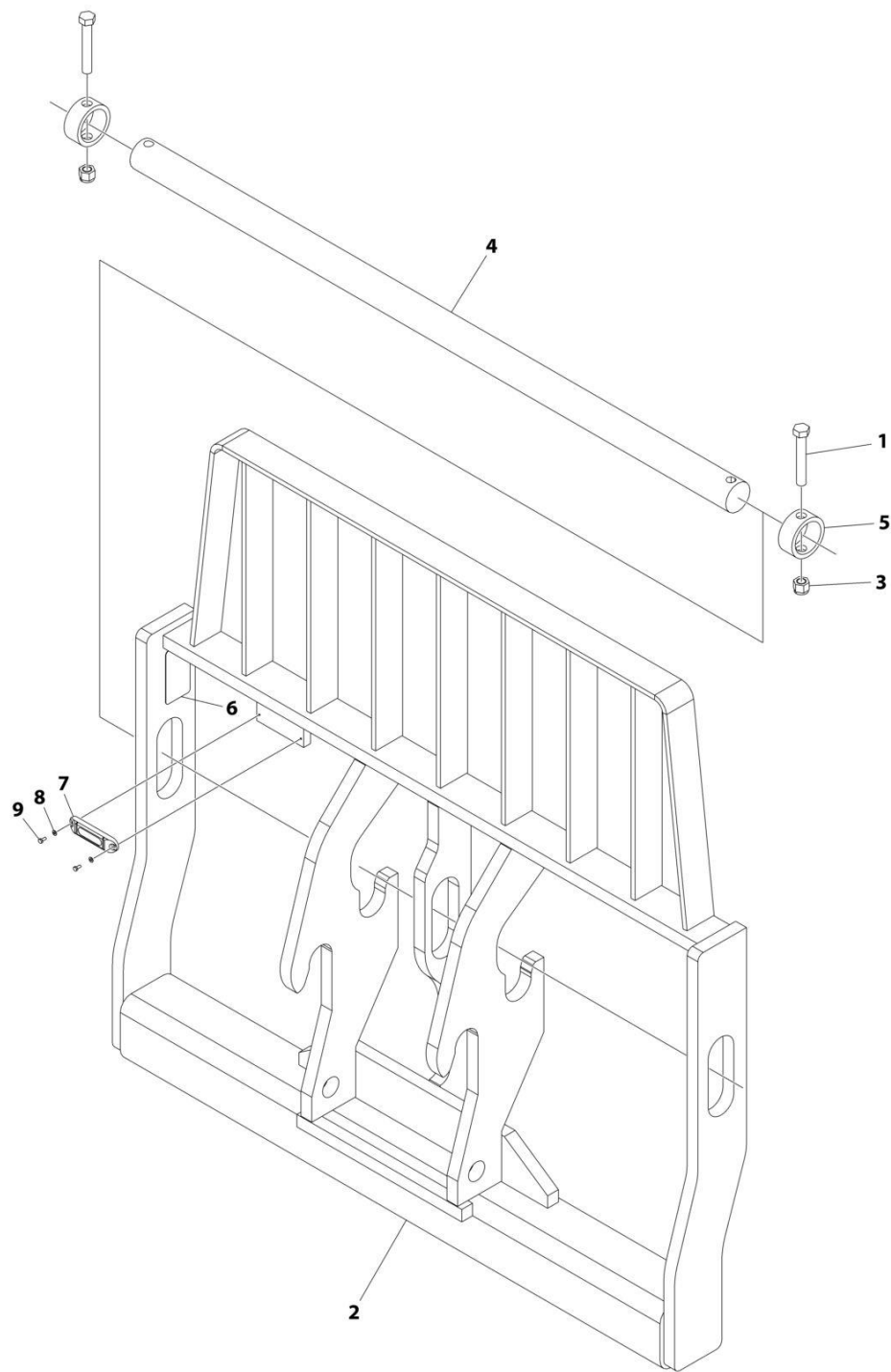
SECTION 3 - ATTACHMENTS

FIGURE 3-16. CARRIAGE ASSEMBLY - 48IN/12000# CAPACITY SIDE SHIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242644	Ref	SIDE SHIFT CARRIAGE ASSEMBLY (48 INCH)	C
1	70020028	2	Bushing	
2	70021382	4	Bolt 1/2 x 1-1/2	
3	70020002	2	Bolt 1/2 x 4	
4	90554067	2	Washer 5/16	
5	90554020	4	Washer 1/2	
6	70021379	2	Washer	
7	70027642	2	Washer	
8	70030141	2	Elbow	
9	90554065	2	Elbow 90	
10	90554016	1	Decal - Made in USA	
11	70021389	2	Fitting 90	
12	70021378	2	Capscrew	
13	70021351	1	Pin	
14	91403413	1	Adapter	
15	91403414	1	Adapter	
16	8420053	1	Cap, Dust	
17	8420055	1	Plug, Dust	
18	70030142	2	Plate	
19	70030143	2	Hose 30in (Boom Front Disconnect)	
19	70031444	2	Hose 55in (Boom Side Disconnect)	
20	90554017	2	Decal - Danger Pinch Point	
21	7029711	1	Decal - High Pressure	
22	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
23	70021376	1	Cylinder Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
24	70021377	1	Pin	
25	70030144	1	Pin	
26	70030145	1	Pin	
27	See Note	NSS	Frame - Rear (Note: Purchase Complete Assembly)	
28	See Note	NSS	Frame - Front (Note: Purchase Complete Assembly)	
29	1001227670	1	Tag, RFID	

SECTION 3 - ATTACHMENTS

FIGURE 3-17. CARRIAGE ASSEMBLY - 50IN/1270MM



ART_1170021_I

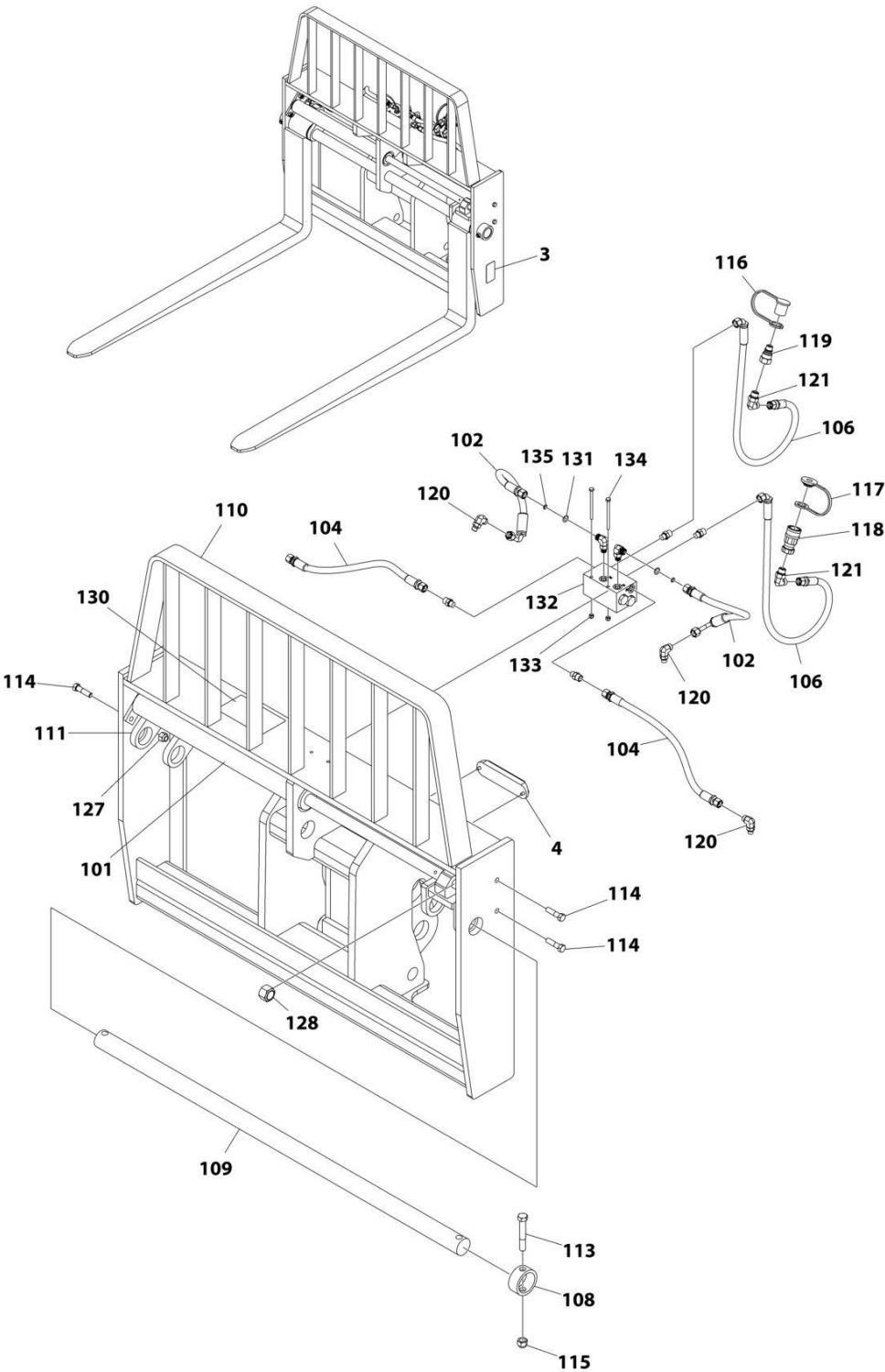
SECTION 3 - ATTACHMENTS

FIGURE 3-17. CARRIAGE ASSEMBLY - 50IN/1270MM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170021	Ref	CARRIAGE ASSEMBLY (50 INCH)	I
1	0642032	2	Bolt 5/8-11 x 4	
2	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
3	3300240	2	Nut 5/8-11	
4	3423275	1	Pin, Fork	
5	90200003	2	Collar, Fork Pin	
6	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
7	1001227670	1	Tag, RFID	
8	4811400	2	Washer M4	
9	0760405	2	Bolt M4 x 10	

SECTION 3 - ATTACHMENTS

FIGURE 3-18. CARRIAGE ASSEMBLY - FORK POSITIONING WITH FORKS (4.5 TON)



ART_7301295_L

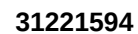
SECTION 3 - ATTACHMENTS

FIGURE 3-18. CARRIAGE ASSEMBLY - FORK POSITIONING WITH FORKS (4.5 TON)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301295	Ref	FORK POSITIONING CARRIAGE WITH FORKS (4.5 TON)	L
3	N.S.S.	1	S/N Plate	
4	1001227670	1	Tag, RFID	
101	2717283	2	Cylinder, Fork Positioning (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
102	2717160	2	Hose	
104	2717161	2	Hose	
106	2717162	2	Hose 36in (Boom Front Disconnect)	
106	70031443	2	Hose 44in (Boom Side Disconnect)	
108	90200003	2	Collar, Fork Pin	
109	90451058	1	Shaft, Fork	
110	N.S.S.	1	Weldment, Carriage	
111	N.S.S.	1	Weldment, Fork Adapter	
113	8303634	2	Bolt 5/8 x 4	
114	8303658	4	Bolt 1/2 x 2	
115	8305643	2	Nut 5/8	
116	8420053	1	Cap, Dust	
117	8420055	1	Plug, Dust	
118	91403413	1	Adapter, Quick Disconnect	
119	91403414	1	Adapter, Quick Disconnect	
120	2130606	4	Adapter, 90 Straight	
121	2130608	2	Adapter, 90 Straight	
127	8310302	4	Nut 1/2	
128	10705034	2	Nut 1	
130	4110473	1	Decal, Warning Route Hoses	
131	7139918	2	Disk, Orifice	
132	4641502	1	Assembly, Dual Fork Carriage Valve (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
133	8305624	2	Nut 1/4	
134	8310435	2	Bolt 1/4 x 3-3/4	
135	8630003	2	O-Ring	

132

1043



ART_1001277290

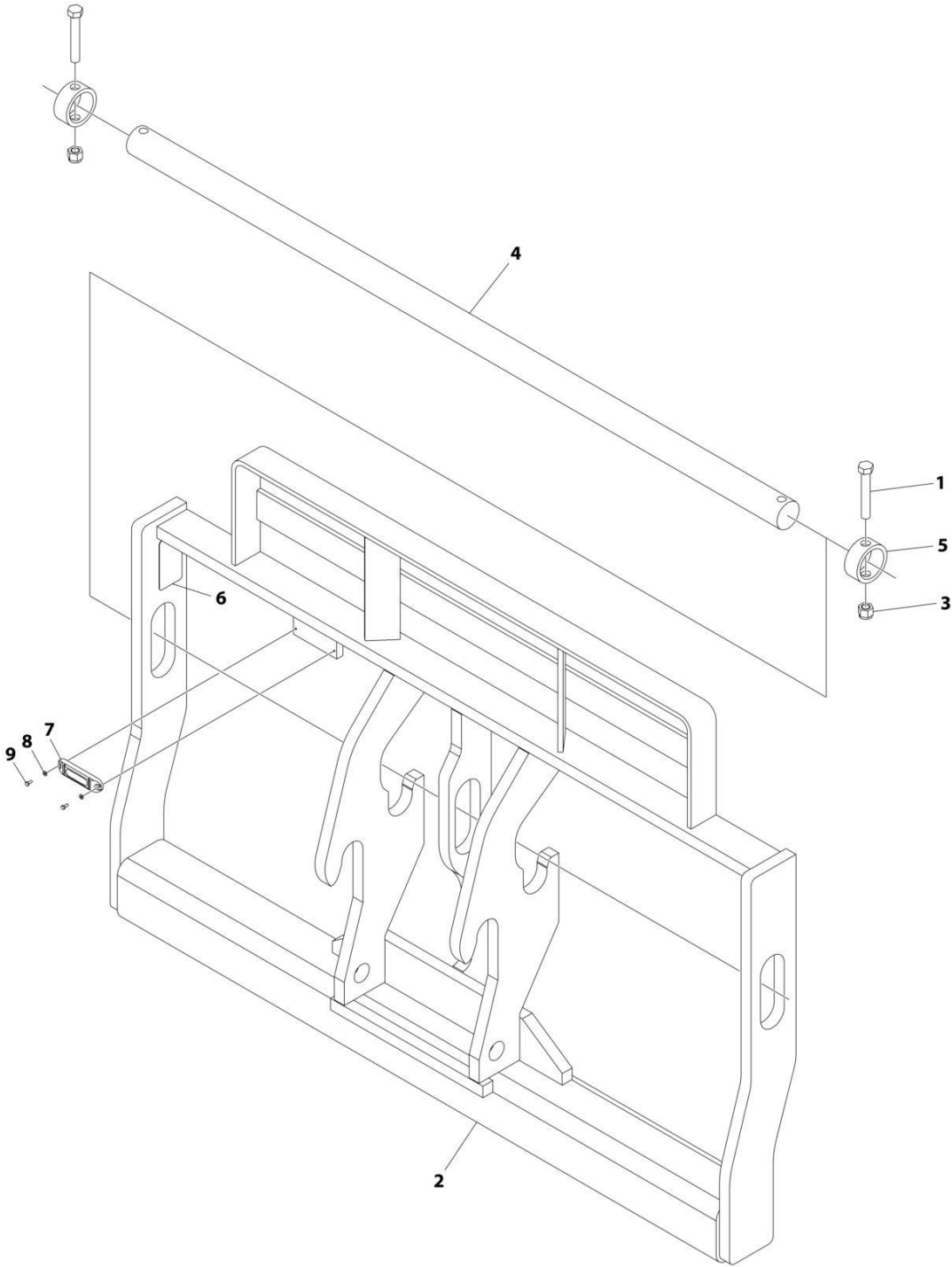
SECTION 3 - ATTACHMENTS

FIGURE 3-19. CARRIAGE ASSEMBLY - 50IN/12000# CAPACITY SIDE TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277290	Ref	SIDE TILT CARRIAGE ASSEMBLY (50 INCH)	A
1	0100011	AR	Compound, Locking	
2	0642032	2	Bolt 5/8 x 4	
3	0681810	3	Bolt 1/2 x 1-1/4	
4	0741610	6	Screw 3/8 x 1-1/4	
5	0760405	2	Bolt M4 x 10	
6	2110606	2	Fitting, Straight ORFS	
7	2130808	2	Fitting, 90 ORFS	
8	2172106	2	Fitting, 90 ORFS	
9	3300240	2	Nut 5/8	
10	3423275	1	Pin	
11	3423307	2	Pin	
12	3841203	2	Keeper	
13	4811400	2	Washer M4	
14	4891800	1	Washer	
15	8420053	1	Cap	
16	8420055	1	Plug	
17	88671001	1	Fitting, Grease	
18	90200003	2	Collar	
19	91403413	1	Fitting, Straight	
20	91403414	1	Fitting, Straight	
21	1001090140	1	Bearing	
22	1001099113	1	Pin	
23	1001099115	2	Sleeve	
24	1001120914	1	Shim	
25	1001120915	1	Plate	
26	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
27	1001227670	1	Tag, RFID	
28	1001239734	2	Hose	
29	See Note	NSS	Carriage, Base Plate (Note: Purchase Complete Assembly)	
30	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
31	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-20. CARRIAGE ASSEMBLY - 60IN/1524MM



ART_1170024_I

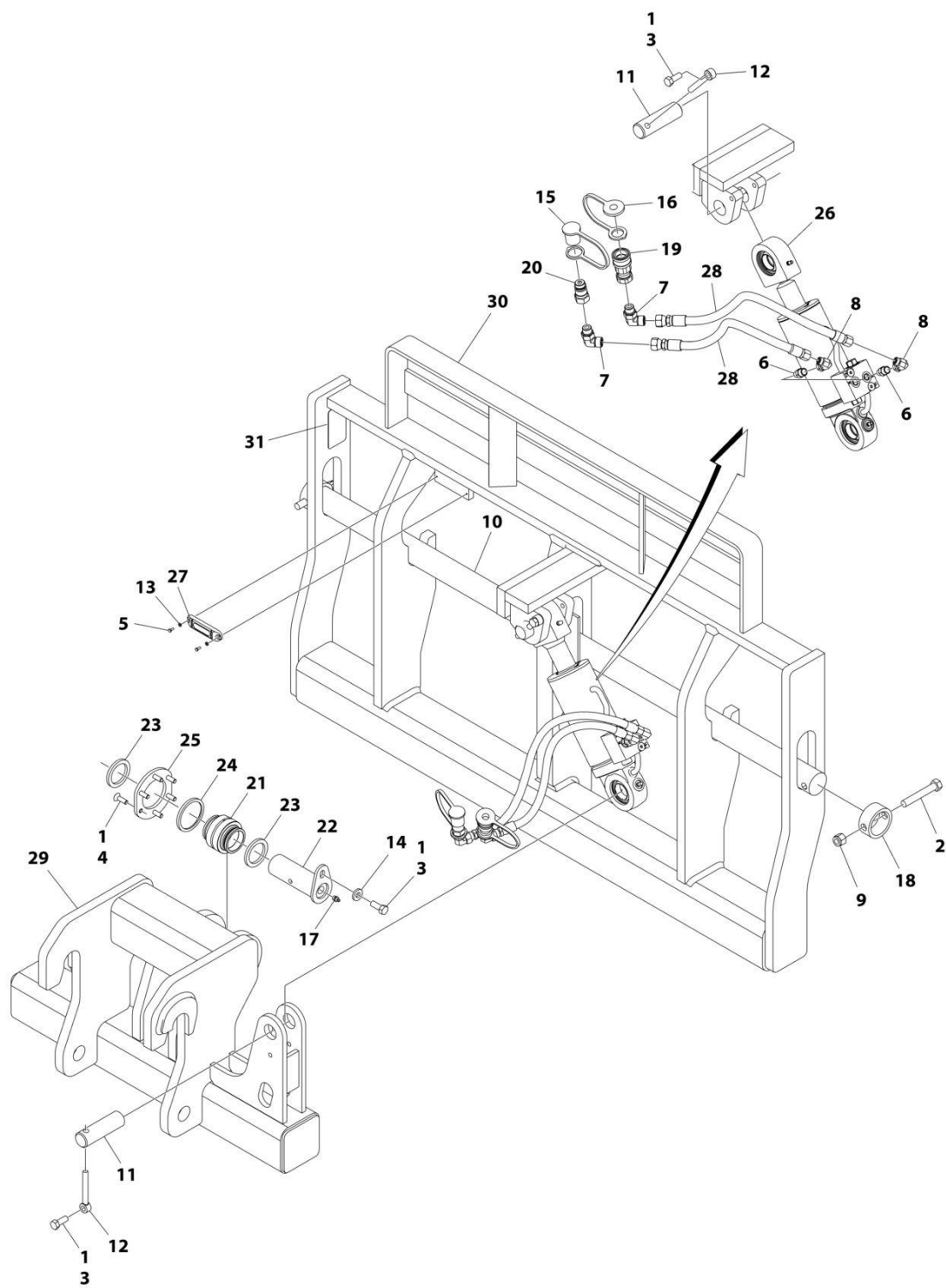
SECTION 3 - ATTACHMENTS

FIGURE 3-20. CARRIAGE ASSEMBLY - 60IN/1524MM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170024	Ref	CARRIAGE ASSEMBLY (1524 MM)	I
1	0642032	2	Bolt 5/8 x 4	
2	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
3	3300240	2	Nut 5/8	
4	3423242	1	Pin	
5	90200003	2	Sleeve	
6	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
7	1001227670	1	Tag, RFID	
8	4811400	2	Washer M4	
9	0760405	2	Bolt M4 x 10	

SECTION 3 - ATTACHMENTS

FIGURE 3-21. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY SIDE TILT



ART_1001277338

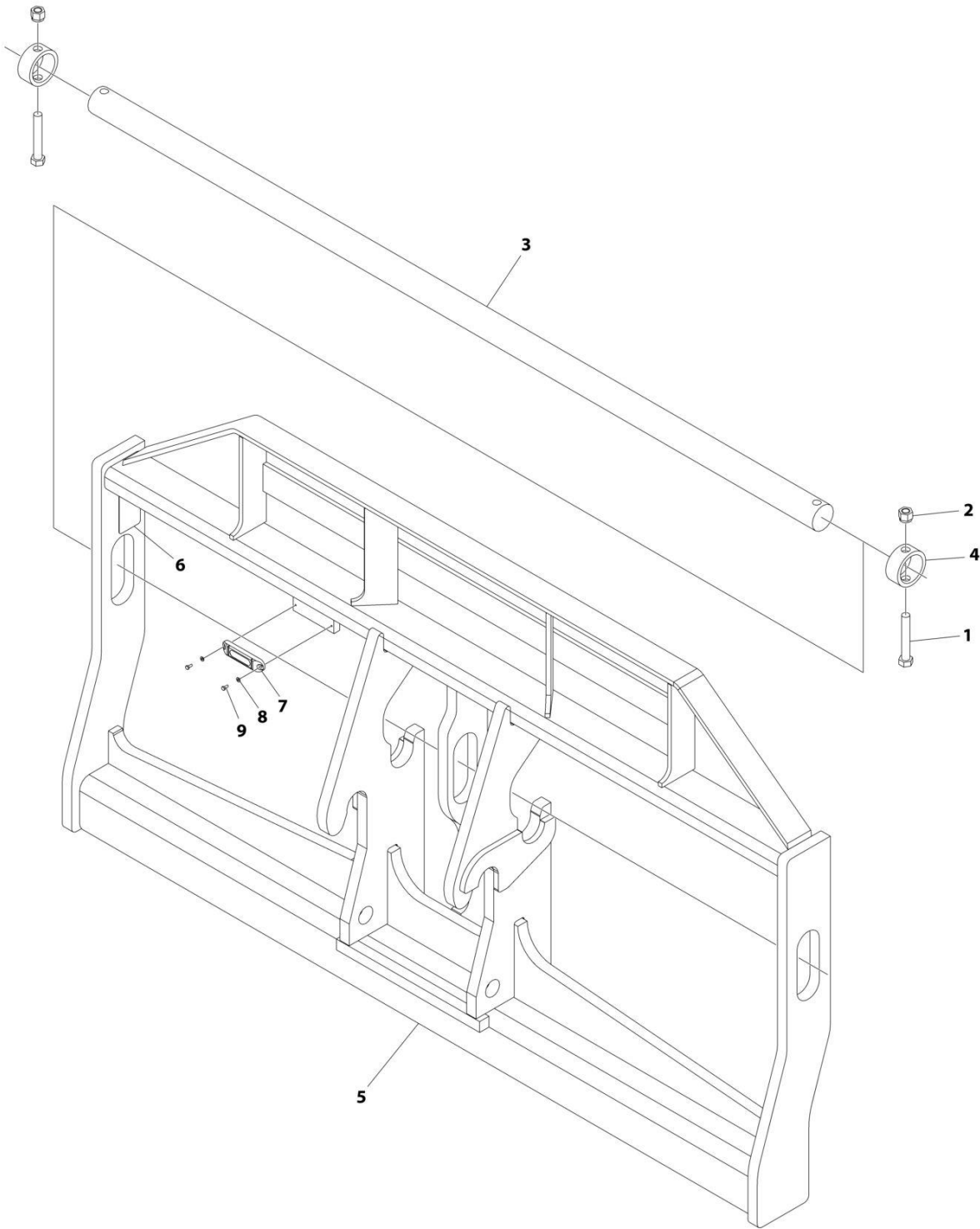
SECTION 3 - ATTACHMENTS

FIGURE 3-21. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY SIDE TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277338	Ref	SIDE TILT CARRIAGE ASSEMBLY (60 INCH)	A
1	0100011	AR	Compound, Locking	
2	0642032	2	Bolt 5/8 x 4	
3	0681810	3	Bolt 1/2 x 1-1/4	
4	0741610	6	Screw 3/8 x 1-1/4	
5	0760405	2	Bolt M4 x 10	
6	2110606	2	Fitting, Straight	
7	2130808	2	Fitting, 90 ORFS	
8	2172106	2	Fitting, 90 ORFS	
9	3300240	2	Nut 5/8	
10	3423242	1	Pin	
11	3423307	2	Pin	
12	3841203	2	Keeper	
13	4811400	2	Washer M4	
14	4891800	1	Washer	
15	8420053	1	Cap	
16	8420055	1	Plug	
17	88671001	1	Fitting, Grease	
18	90200003	2	Collar	
19	91403413	1	Fitting, Straight	
20	91403414	1	Fitting, Straight	
21	1001090140	1	Bearing	
22	1001099113	1	Pin	
23	1001099115	2	Sleeve	
24	1001120914	1	Shim	
25	1001120915	1	Plate	
26	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
27	1001227670	1	Tag, RFID	
28	1001239734	2	Hose	
29	See Note	NSS	Carriage, Base Plate (Note: Purchase Complete Assembly)	
30	See Note	NSS	Carriage, Side Tilt (Note: Purchase Complete Assembly)	
31	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-22. CARRIAGE ASSEMBLY - 72IN/1829MM



ART_1001211516_E

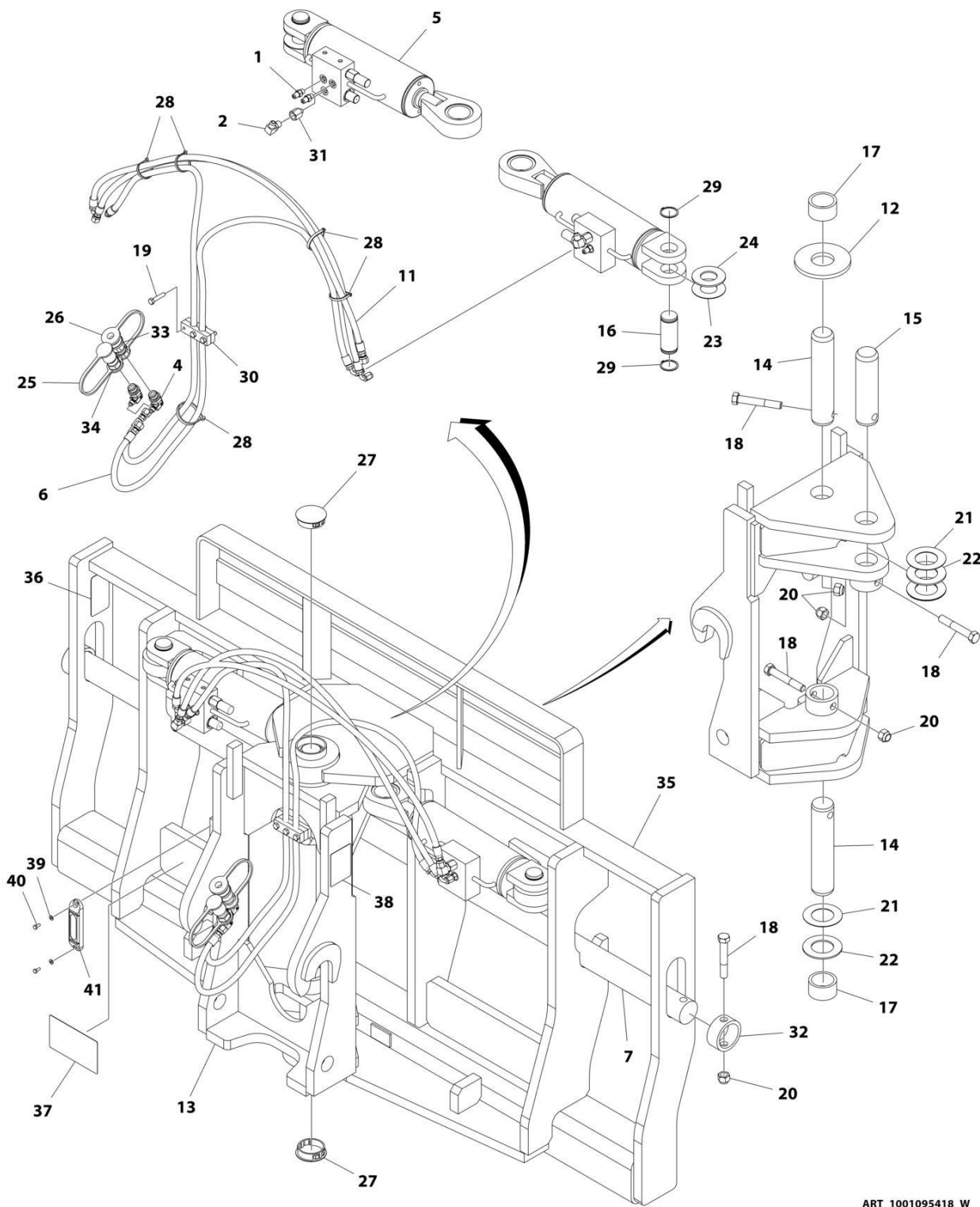
SECTION 3 - ATTACHMENTS

FIGURE 3-22. CARRIAGE ASSEMBLY - 72IN/1829MM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211516	Ref	CARRIAGE ASSEMBLY (72 INCH)	F
1	0642032	2	Bolt 5/8 x 4	
2	3300240	2	Nut 5/8	
3	3423276	1	Pin	
4	90200003	2	Sleeve	
5	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
6	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
7	1001227670	1	Tag, RFID	
8	4811400	2	Washer M4	
9	0760405	2	Bolt M4 x 10	

SECTION 3 - ATTACHMENTS

FIGURE 3-23. CARRIAGE ASSEMBLY - 72IN 90 DEGREE SWING



ART_1001095418_W

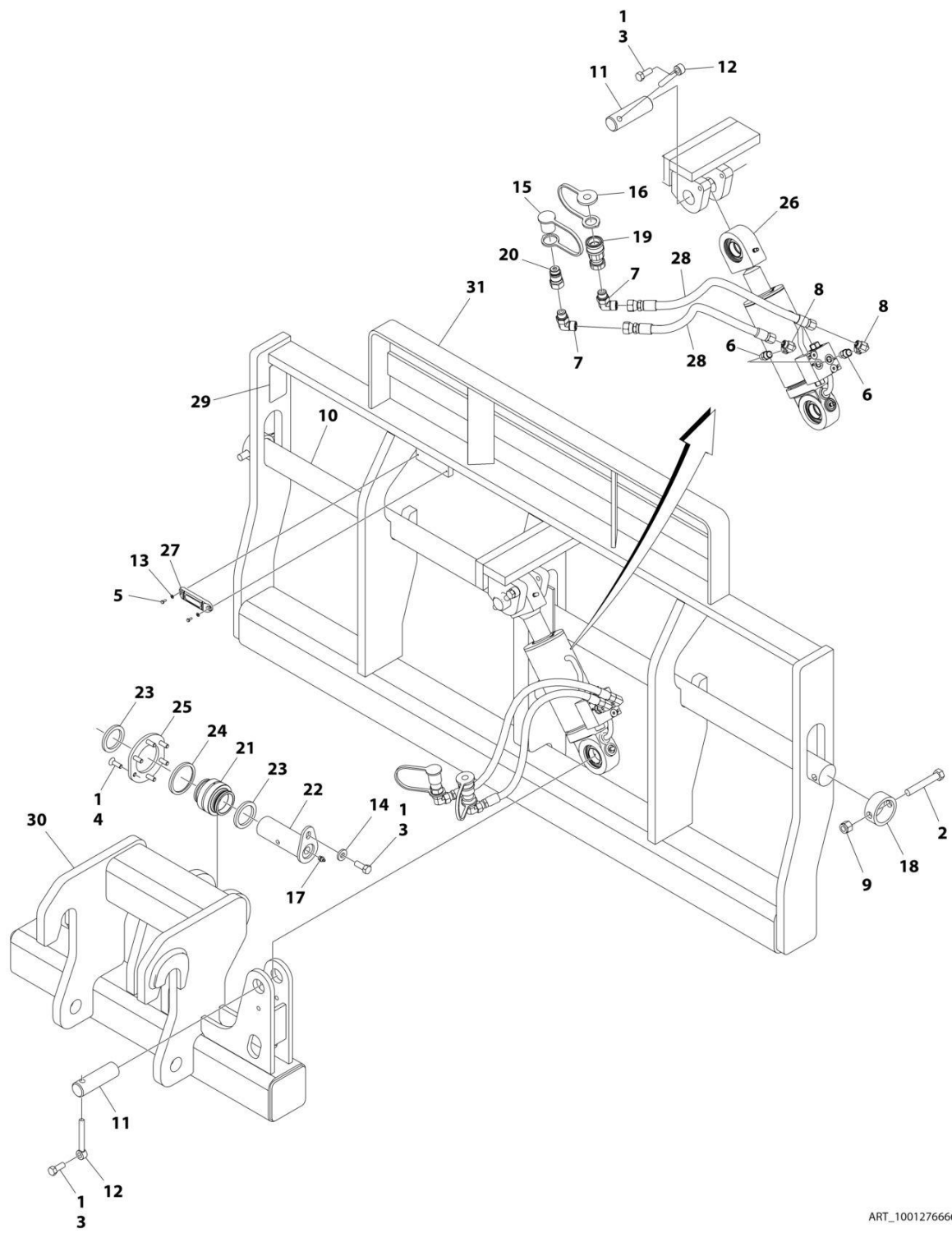
SECTION 3 - ATTACHMENTS

FIGURE 3-23. CARRIAGE ASSEMBLY - 72IN 90 DEGREE SWING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095418	Ref	CARRIAGE ASSEMBLY - SWING (72 INCH)	W
1	2220415	4	Fitting, Straight ORFS	
2	2220473	2	Fitting, 90 ORFS	
4	1001211139	2	Adapter, 90	
5	1001293182	1	Swing Carriage Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
6	2717287	2	Hose 58in (Boom Front Disconnect)	
6	1001301599	1	Hose 66in (Boom Side Disconnect)	
6	1001301600	1	Hose 46in (Boom Side Disconnect)	
7	3423276	1	Pin	
11	6604662	2	Hose	
12	7062922	1	Washer	
13	See Note	NSS	Pivot (Note: Purchase Complete Assembly)	
14	7110702	2	Pin	
15	7110712	1	Pin	
16	7110722	2	Pin	
17	8065062	2	Bushing	
18	8303634	5	Bolt 5/8 x 4	
19	8303715	3	Bolt 5/16 x 1-1/2	
20	8305643	5	Nut 5/8	
21	8307904	AR	Washer	
22	8307918	AR	Washer	
23	8310160	AR	Washer	
24	8310161	AR	Washer	
25	8420053	1	Cap	
26	8420055	1	Plug	
27	8580315	2	Plug	
28	8584001	5	Tie Wrap	
29	8642207	4	Ring, Retaining	
30	8769132	2	Clamp	
31	8770016	2	Fitting, Straight ORFS	
32	90200003	2	Collar	
33	91403413	1	Fitting, Straight ORFS	
34	91403414	1	Fitting, Straight	
35	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
36	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
37	1001110704	1	Decal, Warning Crushing Hazard	
38	1001111190	2	Decal, Warning	
39	4811400	2	Washer M4	
40	0760405	2	Bolt M4 x 10	
41	1001227670	1	Tag - RFID	

SECTION 3 - ATTACHMENTS

FIGURE 3-24. CARRIAGE ASSEMBLY - 72IN/12000# CAPACITY SIDE TILT



ART_1001276666

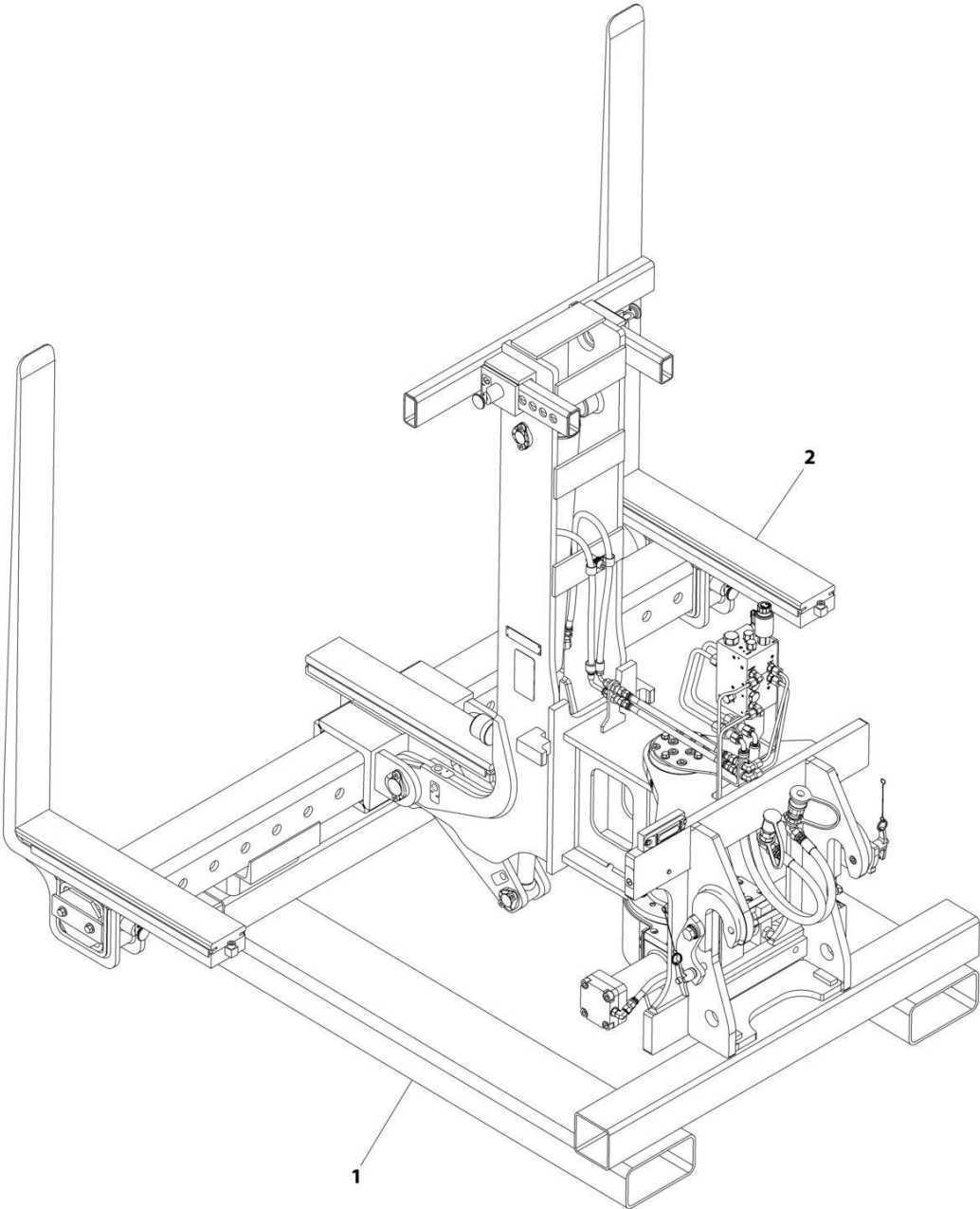
SECTION 3 - ATTACHMENTS

FIGURE 3-24. CARRIAGE ASSEMBLY - 72IN/12000# CAPACITY SIDE TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276666	Ref	SIDE TILT CARRIAGE ASSEMBLY (72 INCH)	A
1	0100011	AR	Compound, Locking	
2	0642032	2	Bolt 5/8 x 4	
3	0681810	3	Bolt 1/2 x 1-1/4	
4	0741610	6	Screw 3/8 x 1-1/4	
5	0760405	2	Bolt M4 x 10	
6	2110606	2	Fitting, Straight	
7	2130808	2	Fitting, 90 ORFS	
8	2172106	2	Fitting, 90 ORFS	
9	3300240	2	Nut 5/8	
10	3423276	1	Pin, Fork	
11	3423307	2	Pin, Side Tilt Cylinder	
12	3841203	2	Keeper, Rod	
13	4811400	2	Washer M4	
14	4891800	1	Washer 1/2	
15	8420053	1	Cap, Dust	
16	8420055	1	Plug, Dust	
17	88671001	1	Fitting, Grease	
18	90200003	2	Collar, Fork Pin	
19	91403413	1	Fitting, Straight	
20	91403414	1	Fitting, Straight	
21	1001090140	1	Bearing, Side Tilt Spherical	
22	1001099113	1	Pin, Side Tilt Frame Pivot	
23	1001099115	2	Sleeve, Tilt Bearing Spacer	
24	1001120914	1	Shim, Bearing Retainer	
25	1001120915	1	Plate, Bearing Retainer	
26	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
27	1001227670	1	Tag, RFID	
28	1001239734	2	Hose	
29	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
30	See Note	NSS	Carriage, Base Plate (Note: Purchase Complete Assembly)	
31	See Note	NSS	Carriage, Side Tilt (Note: Purchase Complete Assembly)	

SECTION 3 - ATTACHMENTS

FIGURE 3-25. CARRIAGE ASSEMBLY - DRYWALL (SWING)



ART_1001246022_B

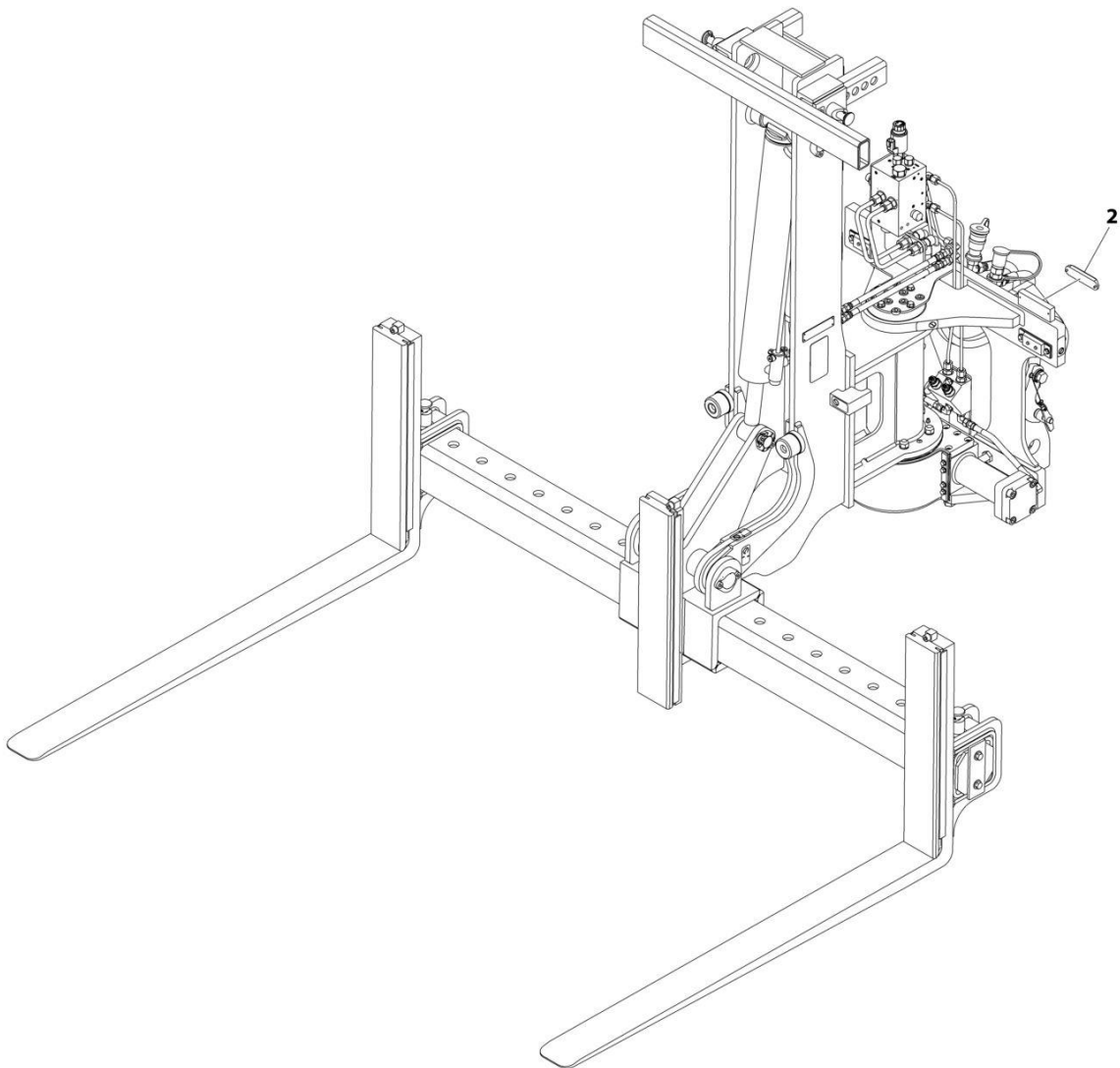
SECTION 3 - ATTACHMENTS

FIGURE 3-25. CARRIAGE ASSEMBLY - DRYWALL (SWING)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246022	Ref	DRYWALL SWING CARRIAGE INSTALLATION	B
1	1001243214	1	Drywall Cradle	
2	1001230765	1	Rotating Drywall Carriage (See Separate Breakdown in this Section)	

SECTION 3 - ATTACHMENTS

FIGURE 3-26. CARRIAGE ASSEMBLY - DRYWALL SWING CARRIAGE



ART_1001230765_D

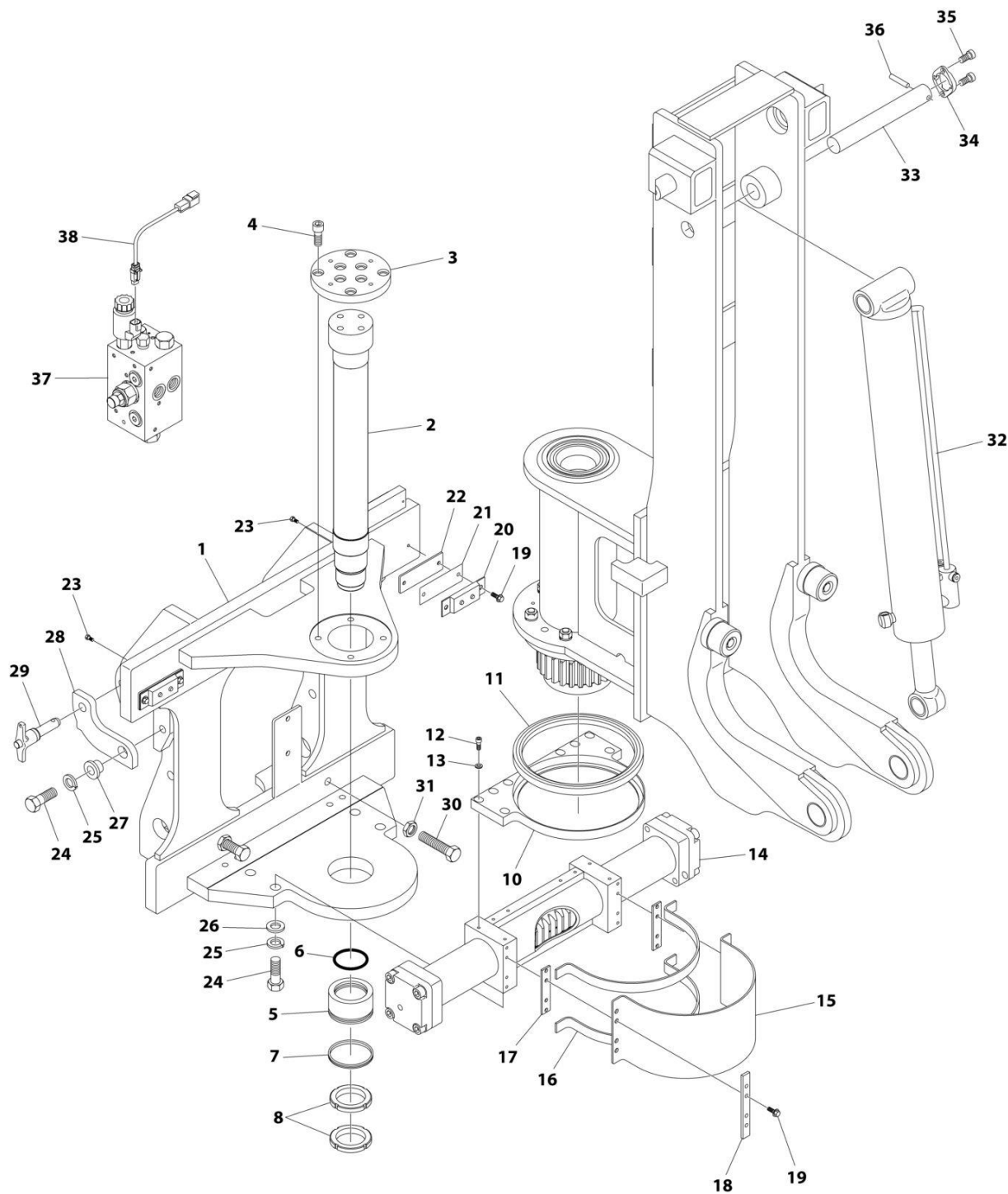
SECTION 3 - ATTACHMENTS

FIGURE 3-26. CARRIAGE ASSEMBLY - DRYWALL SWING CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2	1001230765	Ref	ROTATING DRYWALL CARRIAGE	D
		Ref	Drywall Board Handler (See Separate Breakdown in this Section)	
		Ref	Drywall Pivot Frame Group (See Separate Breakdown in this Section)	
		Ref	Drywall Cylinder (See Separate Breakdown in this Section)	
		Ref	Drywall Hydraulic Group (See Separate Breakdown in this Section)	
		Ref	Drywall Valve Assembly (See Separate Breakdown in this Section)	
		Ref	Drywall Cylinder (See Separate Breakdown in this Section)	
		Ref	Drywall Fork Group (See Separate Breakdown in this Section)	
	1001227670	1	Tag, RFID	

SECTION 3 - ATTACHMENTS

FIGURE 3-27. CARRIAGE ASSEMBLY - DRYWALL BOARD HANDLER



ART_1001230765_1

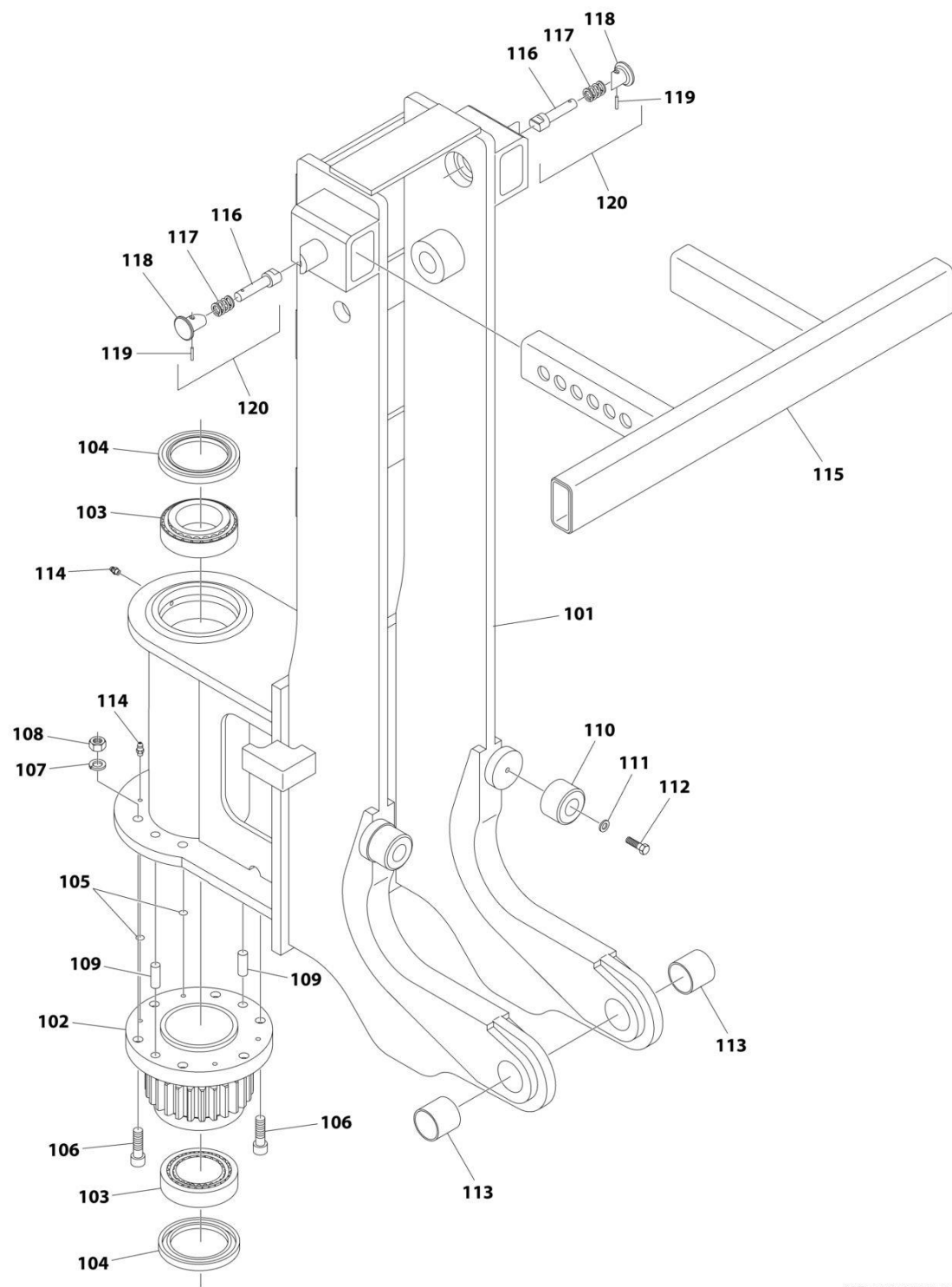
SECTION 3 - ATTACHMENTS

FIGURE 3-27. CARRIAGE ASSEMBLY - DRYWALL BOARD HANDLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Board Handler	
1	70029608	1	Carriage, Hook Mount	
2	70029609	1	Pivot Shaft	
3	70029610	1	Cap	
4	70029611	8	Screw	
5	70029612	1	Spacer	
6	70029613	1	O-Ring	
7	70029614	1	Dual Seal	
8	70029615	2	Locknut	
10	70029616	1	Upper Housing Assembly	
11	70029648	1	Shaft Seal	
12	70029617	8	Screw	
13	70026480	8	Washer	
14	70029586	1	Cylinder Assembly	
15	70029618	1	Cover Assembly (includes Items 16 & 17)	
16	N.S.S.	2	Gasket	
17	N.S.S.	2	Gasket	
18	70029619	2	Plate	
19	70029620	12	Screw	
20	70029621	2	Cushion	
21	70029622	AR	Shim	
22	70029623	AR	Shim	
23	70029624	2	Screw	
24	70024552	6	Screw	
25	70024551	6	Lockwasher	
26	70029625	4	Washer	
27	70029626	2	Shoulder Boss	
28	70029627	2	Lock Plate	
29	70029628	2	Ball Lock Pin	
30	70029629	2	Screw	
31	70029630	2	Jam Nut	
32	70029587	1	Cylinder Assembly	
33	70029631	1	Pin	
34	70028702	1	Pin Retainer	
35	70028701	2	Screw	
36	70028703	1	Grooved Pin	
37	70029595	1	Valve Assembly	
38	70029588	1	Cable Assembly	

SECTION 3 - ATTACHMENTS

FIGURE 3-28. CARRIAGE ASSEMBLY - DRYWALL PIVOT FRAME



ART_1001230765_2

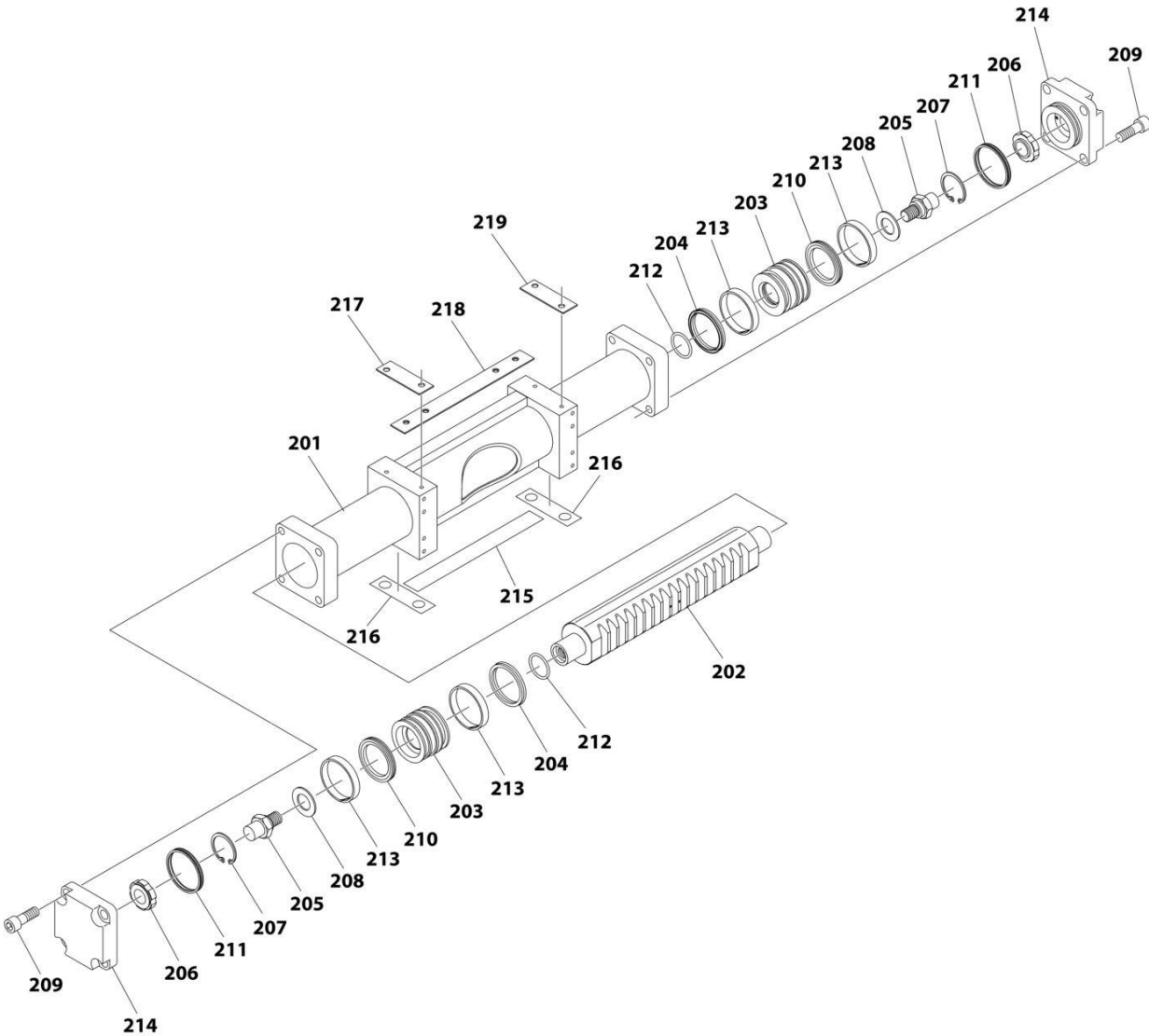
SECTION 3 - ATTACHMENTS

FIGURE 3-28. CARRIAGE ASSEMBLY - DRYWALL PIVOT FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Pivot Frame Group	
101	70029632	1	Pivot Frame	
102	70029633	1	Pinion Gear	
103	70029634	2	Bearing	
104	70029635	2	Shaft Seal	
105	70029636	2	O-Ring	
106	70024684	6	Screw	
107	70029637	6	Lockwasher	
108	70029638	6	Nut	
109	70029639	2	Dowel Pin	
110	70029640	2	Bumper	
111	70024721	2	Washer, M8	
112	70029641	2	Screw	
113	70029642	2	Bearing	
114	70024679	3	Grease Fitting	
115	70029643	1	Load Support	
116	70028154	1	Pin	
117	70028155	1	Spring	
118	70024759	1	Knob	
119	70024761	1	Spring Pin	
120	70028153	2	Pin Kit (includes Items 116 thru 119)	

SECTION 3 - ATTACHMENTS

FIGURE 3-29. CARRIAGE ASSEMBLY - DRYWALL CYLINDER



ART_1001230765_3

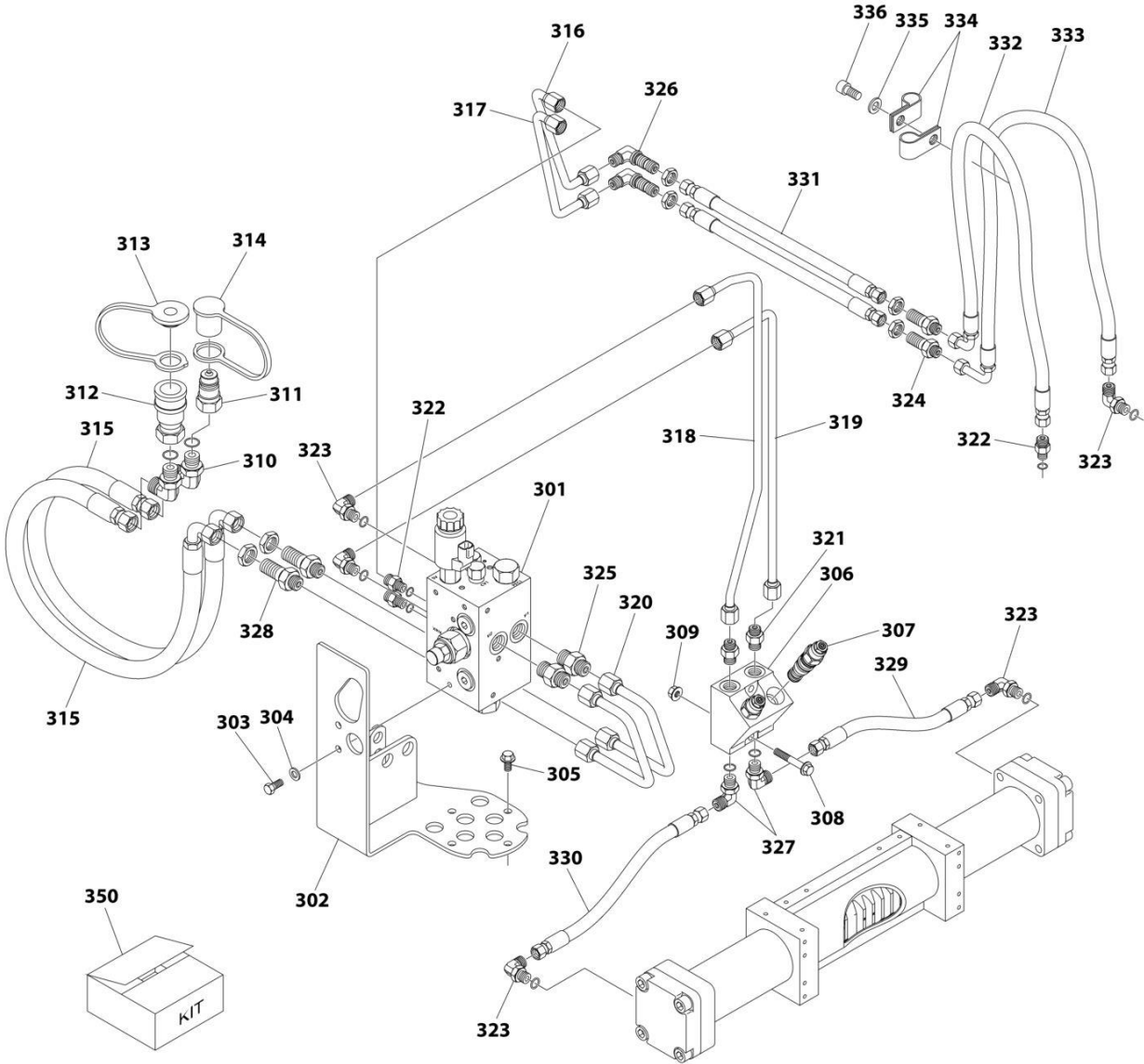
SECTION 3 - ATTACHMENTS

FIGURE 3-29. CARRIAGE ASSEMBLY - DRYWALL CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
201	1001230765	Ref	Drywall - Cylinder	
	N.S.S.	1	Barrel	
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
202	70029644	1	Rod	
203	70029645	3	Piston	
204	70029646	2	Wiper	
205	70029681	2	Cushion Spear	
206	70029682	2	Cushion	
207	70029683	2	Retaining Ring	
208	70029684	2	Washer	
209	70029685	8	Screw	
210	70029686	2	Piston Seal	
211	70029687	2	Dual Seal	
212	70029688	2	O-Ring	
213	70029689	4	Wear Ring	
214	70029690	2	End Cap	
215	70029691	1	Gasket Tape	
216	70029692	2	Gasket Tape	
217	70029693	1	Gasket, RH	
218	70029694	1	Gasket, Rear	
219	70029695	1	Gasket, LH	

SECTION 3 - ATTACHMENTS

FIGURE 3-30. CARRIAGE ASSEMBLY - DRYWALL HYDRAULICS



ART_1001230765_4

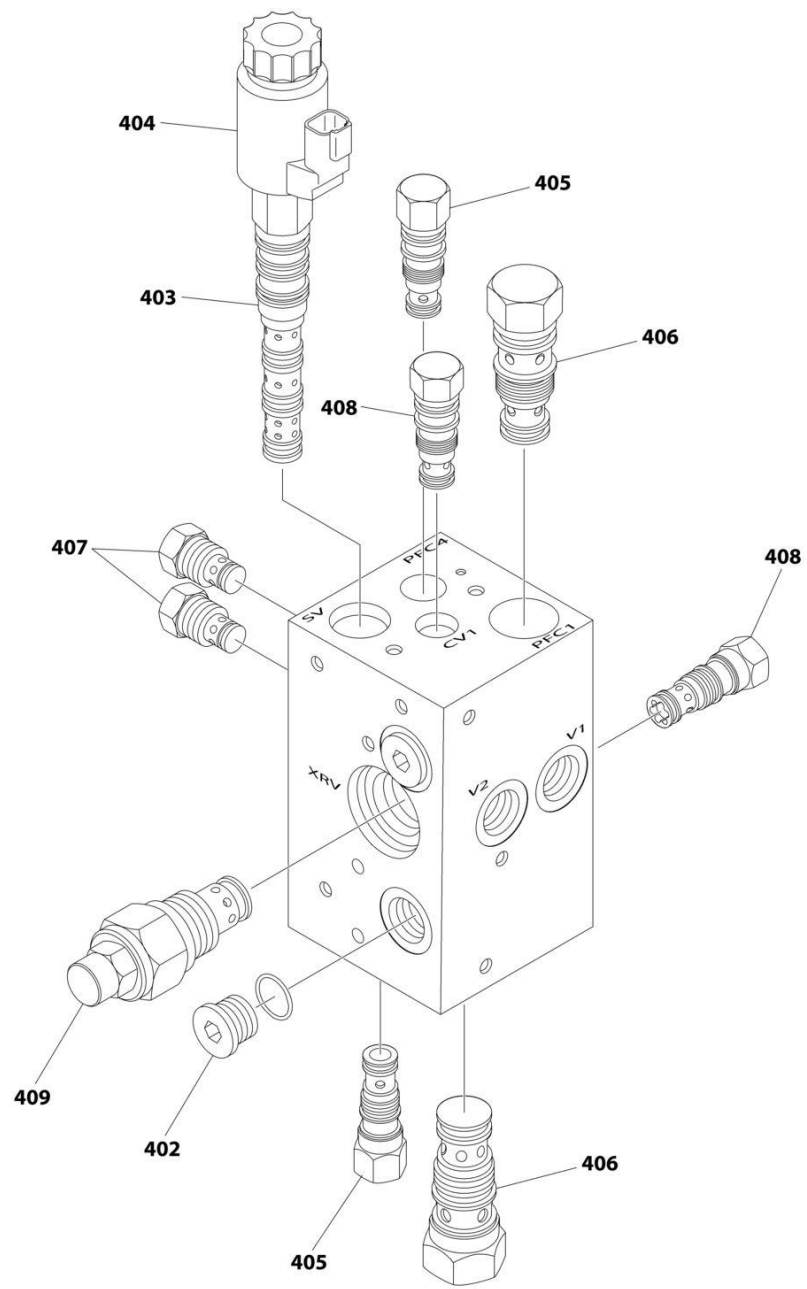
SECTION 3 - ATTACHMENTS

FIGURE 3-30. CARRIAGE ASSEMBLY - DRYWALL HYDRAULICS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Hydraulic Group	
301	70029595	1	Valve Assembly	
302	70029659	1	Valve Mounting Bracket	
303	70028130	2	Screw	
304	70024721	2	Washer	
305	70029660	4	Bolt	
306	70029661	1	Inline Valve Body	
307	70029662	2	Cartridge, Counterbalance	
308	70029663	2	Screw	
309	70029664	2	Nut	
310	70024127	2	Adapter	
311	91403414	1	Quick Disconnect, Male	
312	91403413	1	Quick Disconnect, Female	
313	8420055	1	Dust Cap	
314	8420053	1	Dust Plug	
315	70029665	2	Hose 30in (Boom Front Disconnect)	
315	70031447	2	Hose 42in (Boom Side Disconnect)	
316	70029666	1	Tube	
317	70029667	1	Tube	
318	70029668	1	Tube	
319	70029669	1	Tube	
320	70029670	2	Tube	
321	70029671	2	Fitting	
322	70029672	3	Fitting	
323	70029673	5	Fitting	
324	70028768	2	Fitting	
325	70029674	2	Fitting	
326	70029675	2	Fitting	
327	70028661	2	Fitting	
328	70023000	2	Bulkhead Union Elbow	
329	70029676	1	Hose, 310 mm	
330	70029677	1	Hose, 255 mm	
331	70029678	2	Hose, 340 mm	
332	70029679	1	Hose, 800 mm	
333	70029680	1	Hose, 805 mm	
334	70026481	2	Hose Clamp	
335	70026482	1	Washer	
336	70028672	1	Screw	
350	70031440	1	Disconnect Hose Kit (Boom Front Disconnect) (Includes Items 310-315)	
350	70031441	1	Disconnect Hose Kit (Boom Side Disconnect) (Includes Items 310-315)	

SECTION 3 - ATTACHMENTS

FIGURE 3-31. CARRIAGE ASSEMBLY - DRYWALL VALVE ASSEMBLY



ART_1001230765_5

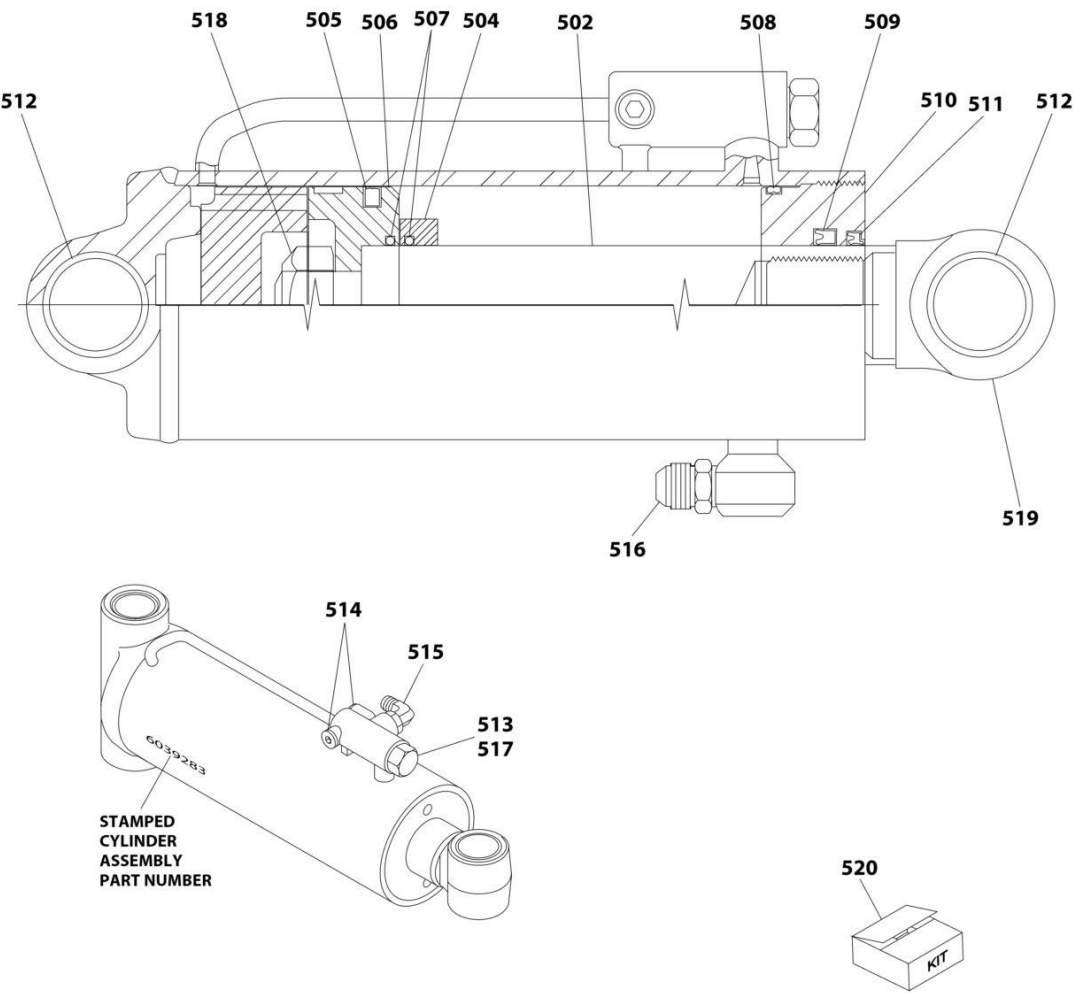
SECTION 3 - ATTACHMENTS

FIGURE 3-31. CARRIAGE ASSEMBLY - DRYWALL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Valve Assembly	
402	70028119	2	Plug	
403	70029596	1	Cartridge, Directional Control	
404	70029597	1	Coil, 12V	
405	70029598	2	Cartridge, Flow Control	
406	70029599	2	Cartridge, Flow Control	
407	70029600	2	Cartridge, Check	
408	70029601	2	Cartridge, Check	
409	70029602	1	Cartridge, Pressure Control	

SECTION 3 - ATTACHMENTS

FIGURE 3-32. CARRIAGE ASSEMBLY - DRYWALL CYLINDER



ART_1001230765_6

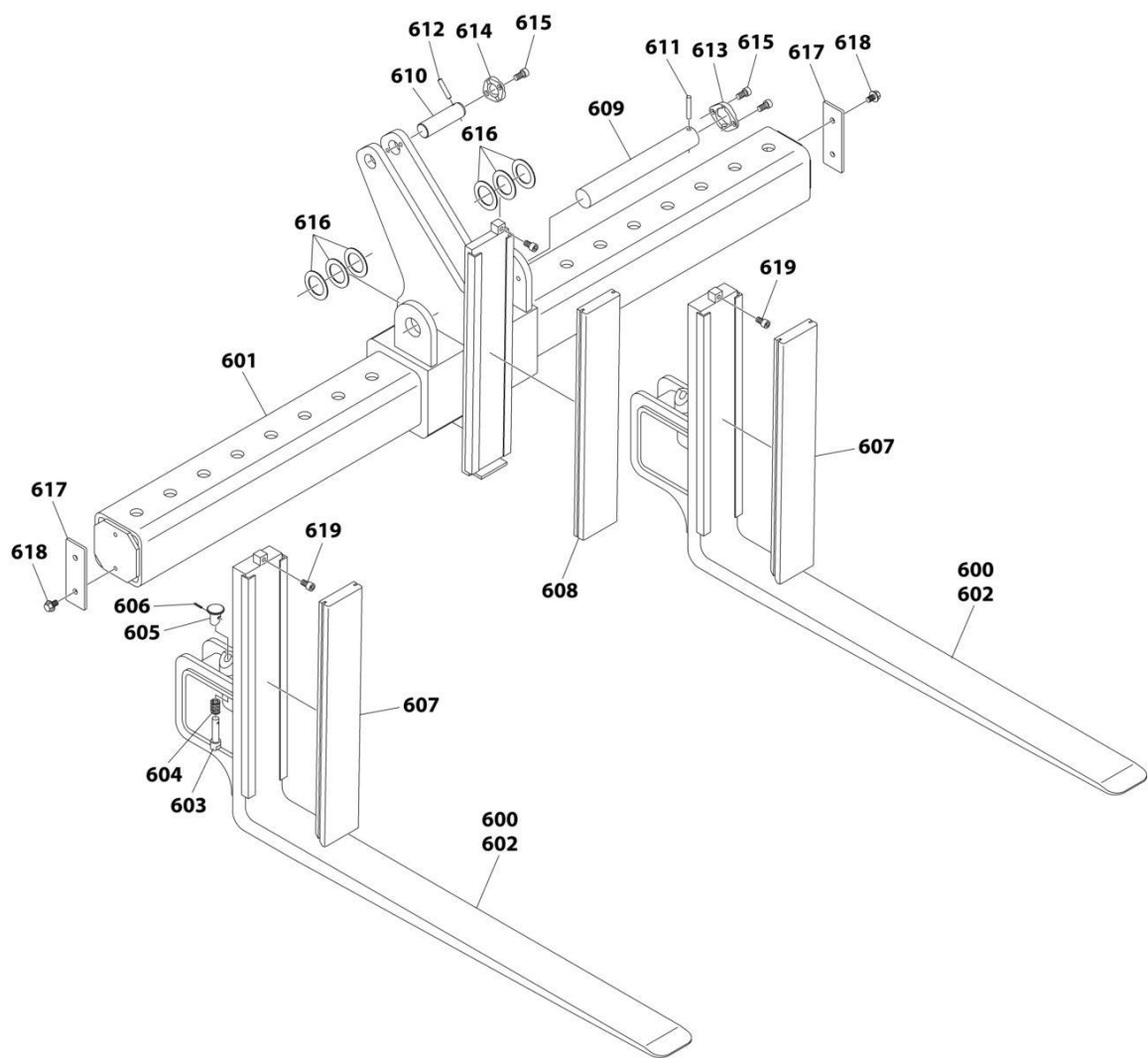
SECTION 3 - ATTACHMENTS

FIGURE 3-32. CARRIAGE ASSEMBLY - DRYWALL CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
502	1001230765	Ref	Drywall - Cylinder	
	70029593	1	Rod Assembly (Includes Item 512 & 519)	
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
504	70029603	1	Spacer, Piston	
505	N.S.S.	1	Piston Seal	
506	70029594	1	Piston	
507	N.S.S.	2	O-Ring	
508	N.S.S.	1	Dual Seal	
509	N.S.S.	1	Rod Seal	
510	70029604	1	Retainer	
511	N.S.S.	1	Rod Wiper	
512	70029605	2	Bushing	
513	70024733	1	Valve, Check	
514	70024129	2	Fitting	
515	70029606	1	Fitting	
516	70029607	1	Fitting	
517	70024734	1	Check Valve Service Kit	
518	70026503	1	Nut	
519	70029647	1	Rod End	
520	70029592	1	Service Kit, Cylinder (Includes Items 505, 507 thru 511)	

SECTION 3 - ATTACHMENTS

FIGURE 3-33. CARRIAGE ASSEMBLY - DRYWALL FORKS



ART_1001230765_7

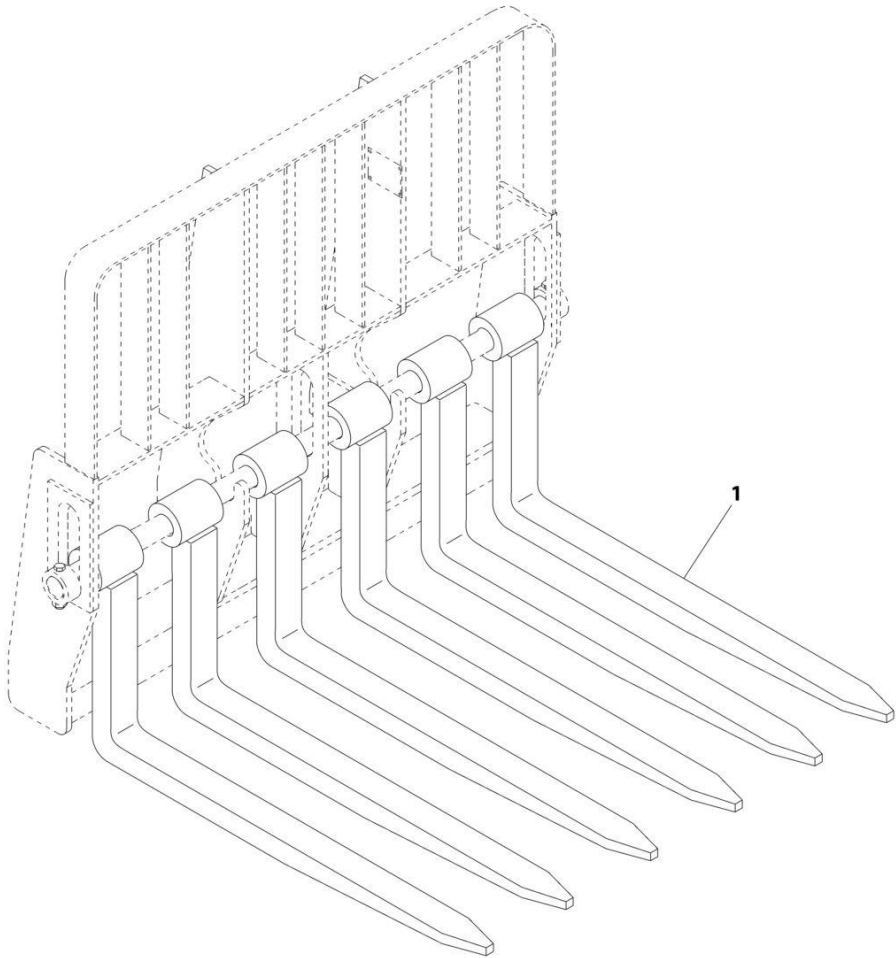
SECTION 3 - ATTACHMENTS

FIGURE 3-33. CARRIAGE ASSEMBLY - DRYWALL FORKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Fork Group	
600	70029649	2	Fork Assembly	
601	70029650	1	Fork Mount Assembly	
602	70029651	1	Fork	
	70028153	1	Pin Kit (includes Items 603 thru 606)	
603	70028154	1	Pin	
604	70028155	1	Spring	
605	70024759	1	Knob	
606	70024761	1	Spring Pin	
607	70029652	2	Bumper	
608	70029653	1	Bumper	
609	70029654	1	Pin	
610	70029655	1	Pin	
611	70028706	1	Pin	
612	70028703	1	Pin	
613	70028707	1	Retainer	
614	70028702	1	Retainer	
615	70028701	4	Bolt	
616	70028708	6	Shim	
617	70029656	2	Retainer	
618	70029657	4	Screw	
619	70029658	3	Screw	

SECTION 3 - ATTACHMENTS

FIGURE 3-34. FORK 2X2X48 / 1940# CAPACITY



ART_2340037

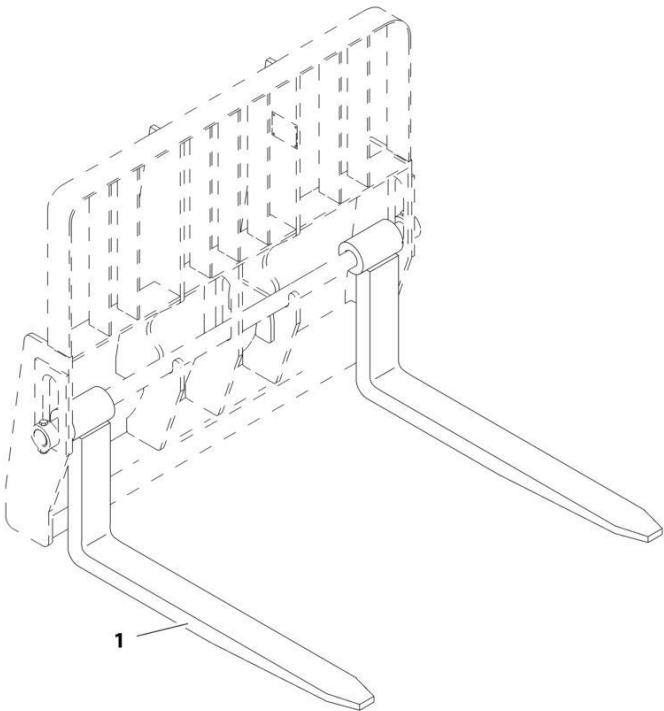
SECTION 3 - ATTACHMENTS

FIGURE 3-34. FORK 2X2X48 / 1940# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2340037	1	Cubing Fork (2.00X2X48)	A
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-35. FORK 2.36X4X48 / 5000# CAPACITY



ART_2340045

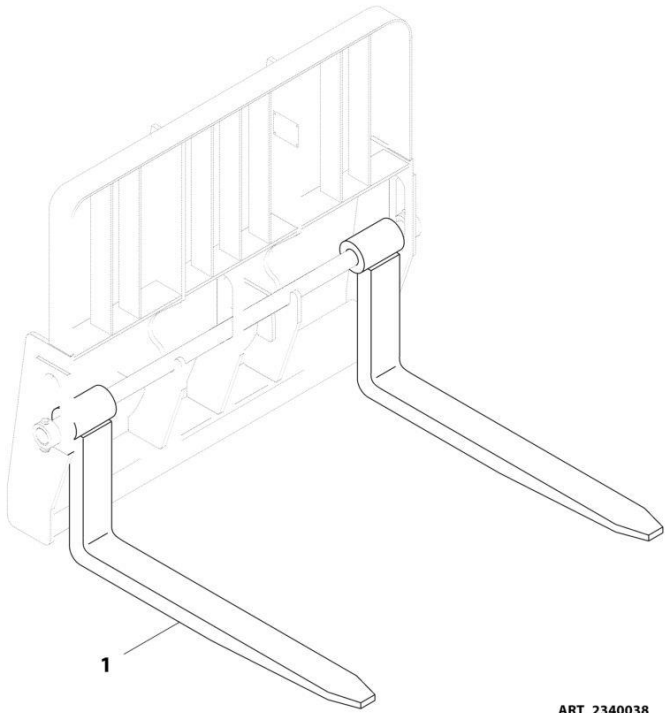
SECTION 3 - ATTACHMENTS

FIGURE 3-35. FORK 2.36X4X48 / 5000# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2340045	2	Pallet Fork (2.36X4X48)	
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-36. FORK 2.36X4X48 / 5475# CAPACITY



ART_2340038

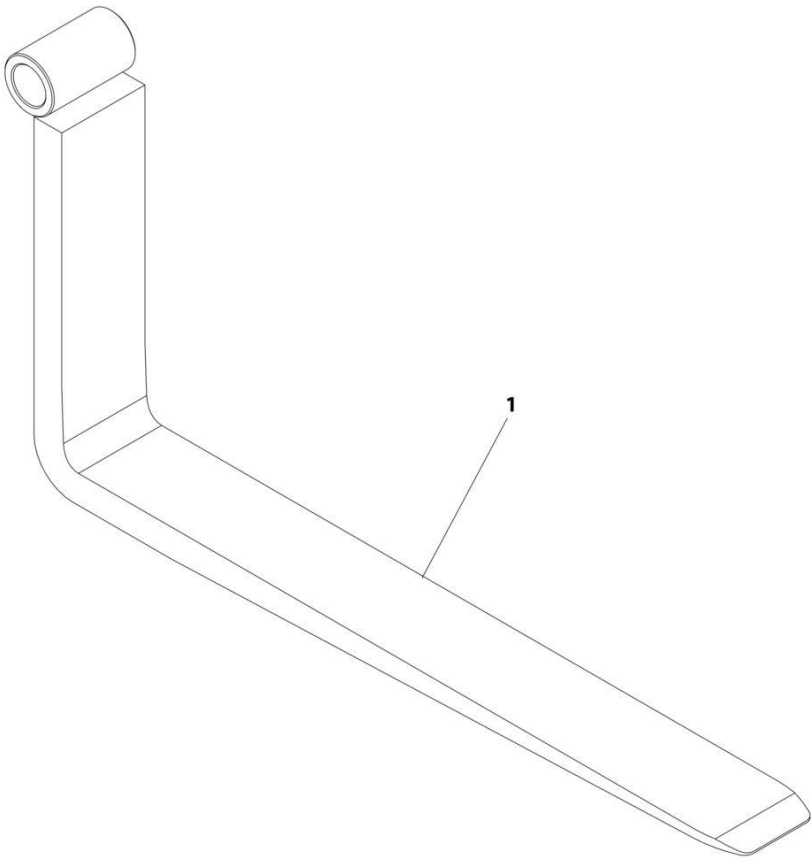
SECTION 3 - ATTACHMENTS

FIGURE 3-36. FORK 2.36X4X48 / 5475# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2340038	2	Pallet Fork (2.36X5X48)	B
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-37. FORK 2.00X6X48 / 6005# CAPACITY



ART_1001258605

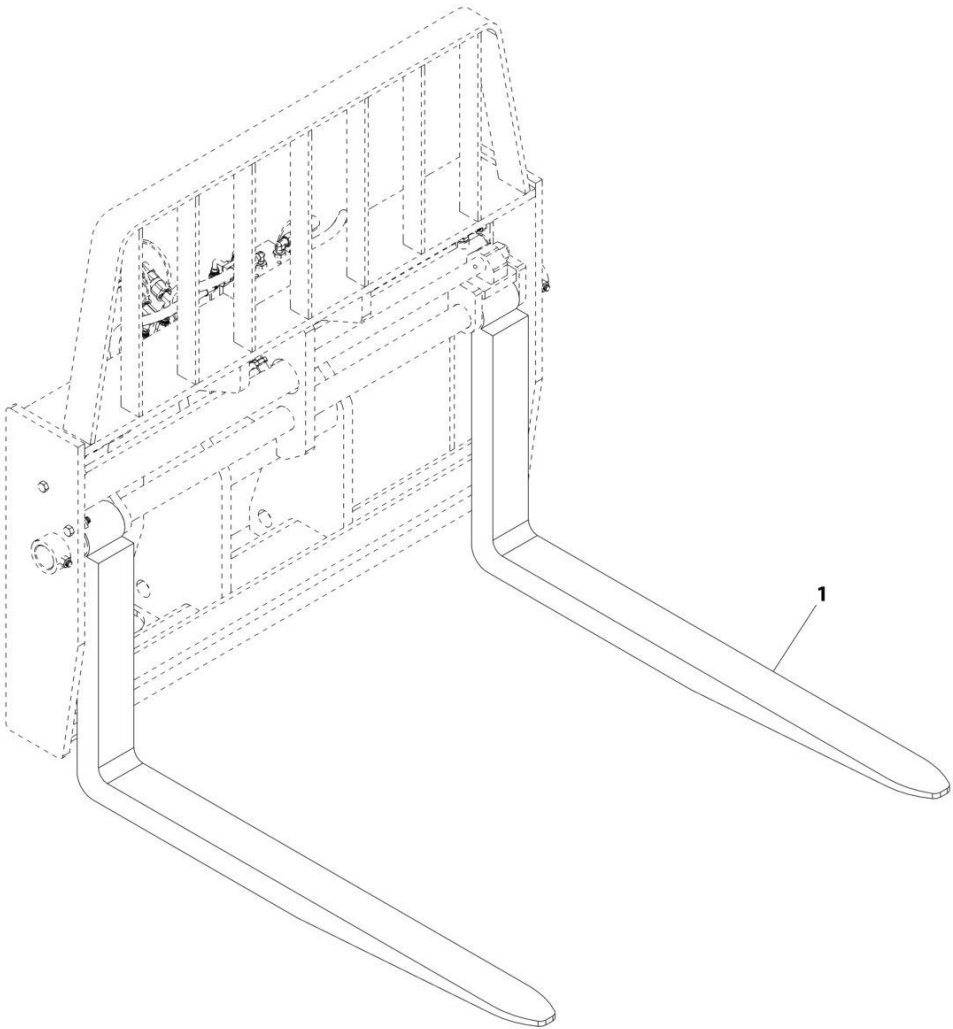
SECTION 3 - ATTACHMENTS

FIGURE 3-37. FORK 2.00X6X48 / 6005# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001258605	2	Fork - Pallet (2.00X6X48)	A
N1	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
N2	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-38. FORK 2.36X5X48 / 6850# CAPACITY



ART_7301408

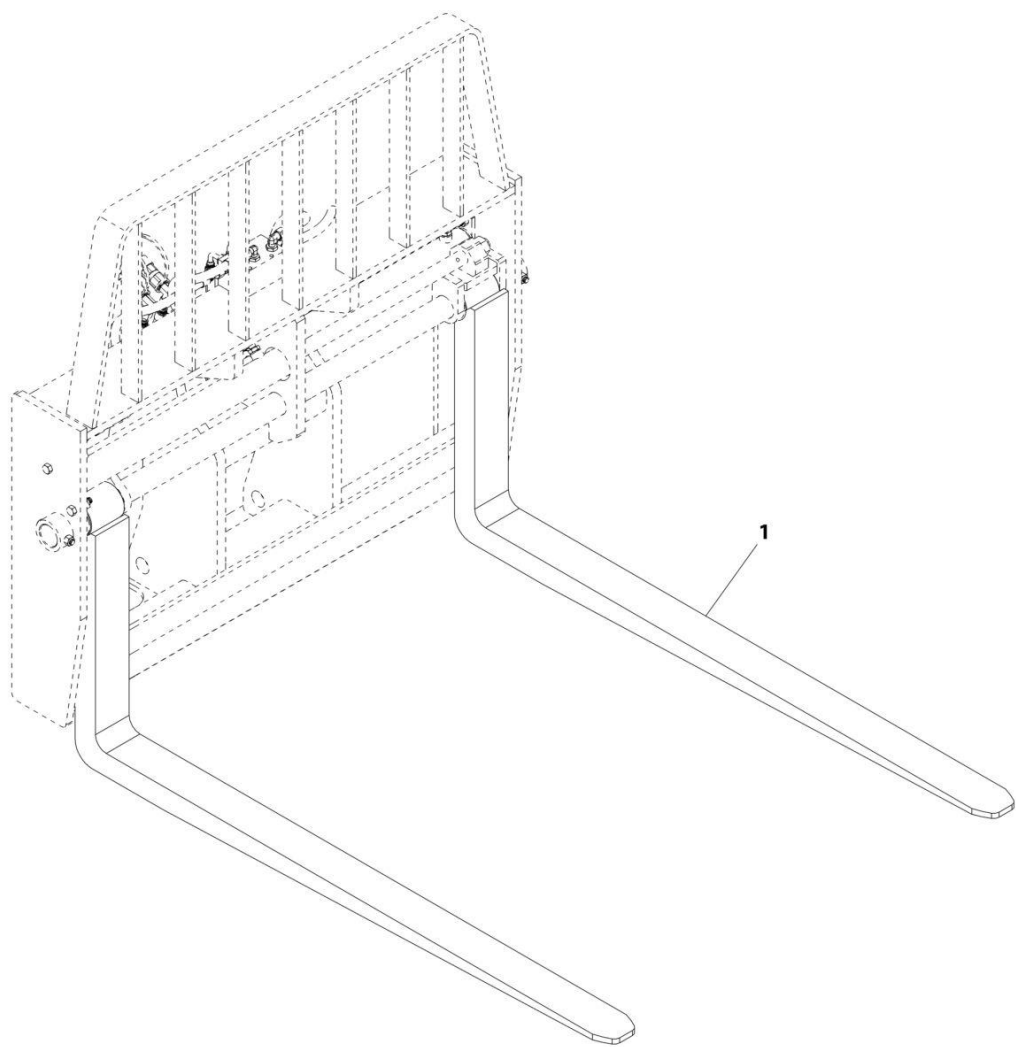
SECTION 3 - ATTACHMENTS

FIGURE 3-38. FORK 2.36X5X48 / 6850# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7301408	2	Pallet Fork (2.36X4X48)	D
N1	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
N2	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-39. FORK 2.36X4X60 / 5000# CAPACITY



ART_1001227379

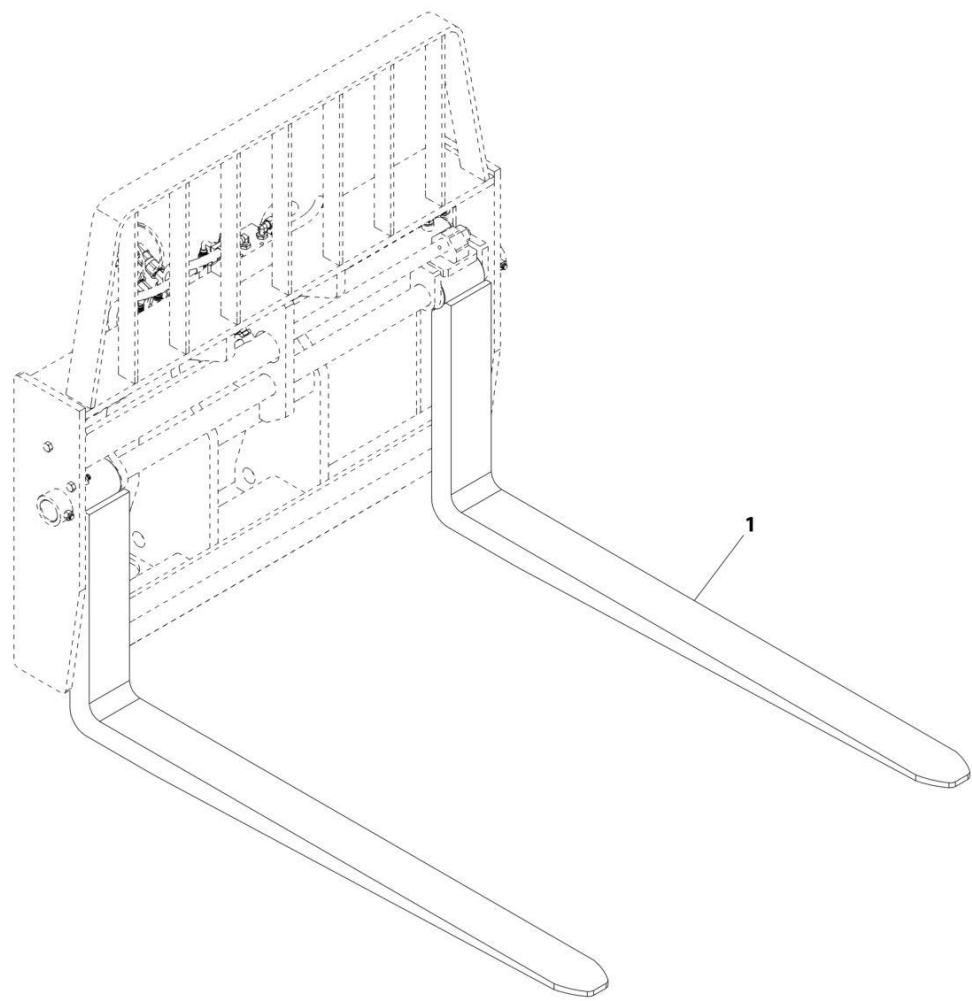
SECTION 3 - ATTACHMENTS

FIGURE 3-39. FORK 2.36X4X60 / 5000# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001227379	2	Pallet Fork (2.36X4X60)	A
N1	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
N2	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-40. FORK 2.36X5X60 / 6850# CAPACITY



ART_1001227382

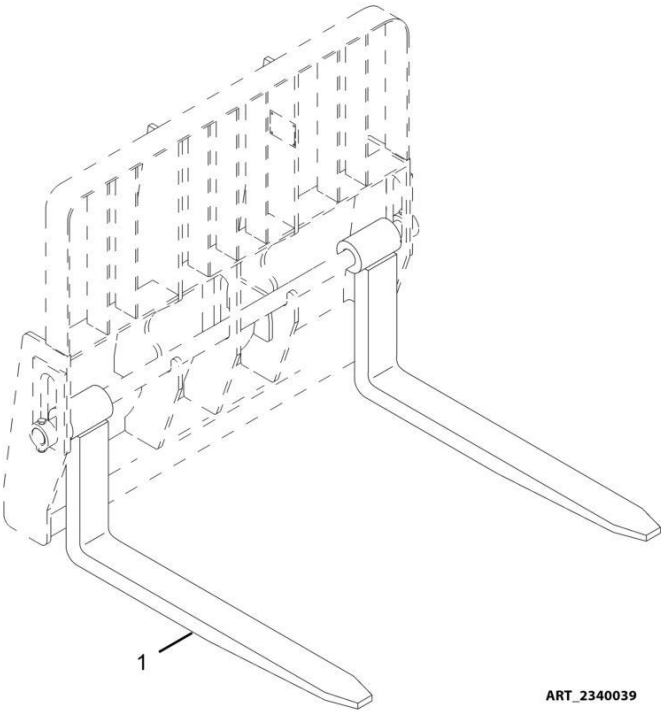
SECTION 3 - ATTACHMENTS

FIGURE 3-40. FORK 2.36X5X60 / 6850# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001227382	1	Pallet Fork (2.36X5X60)	A
N1	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
N2	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-41. FORK 2.36X6X60 / 8150# CAPACITY



ART_2340039

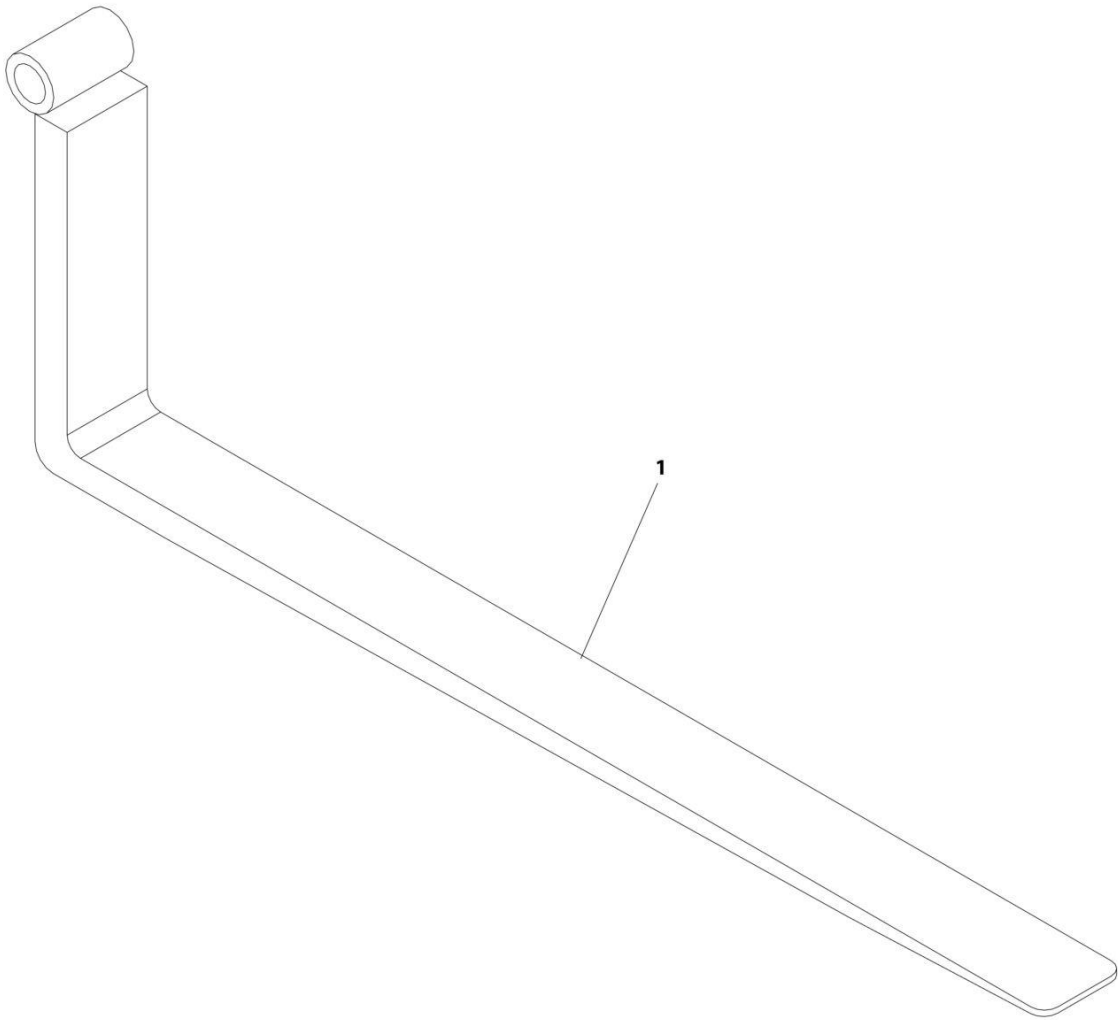
SECTION 3 - ATTACHMENTS

FIGURE 3-41. FORK 2.36X6X60 / 8150# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2340039	2	Lumber Fork (60X150X1524)	
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-42. FORK 2.00X6X72 / 6610# CAPACITY



ART_1001259206

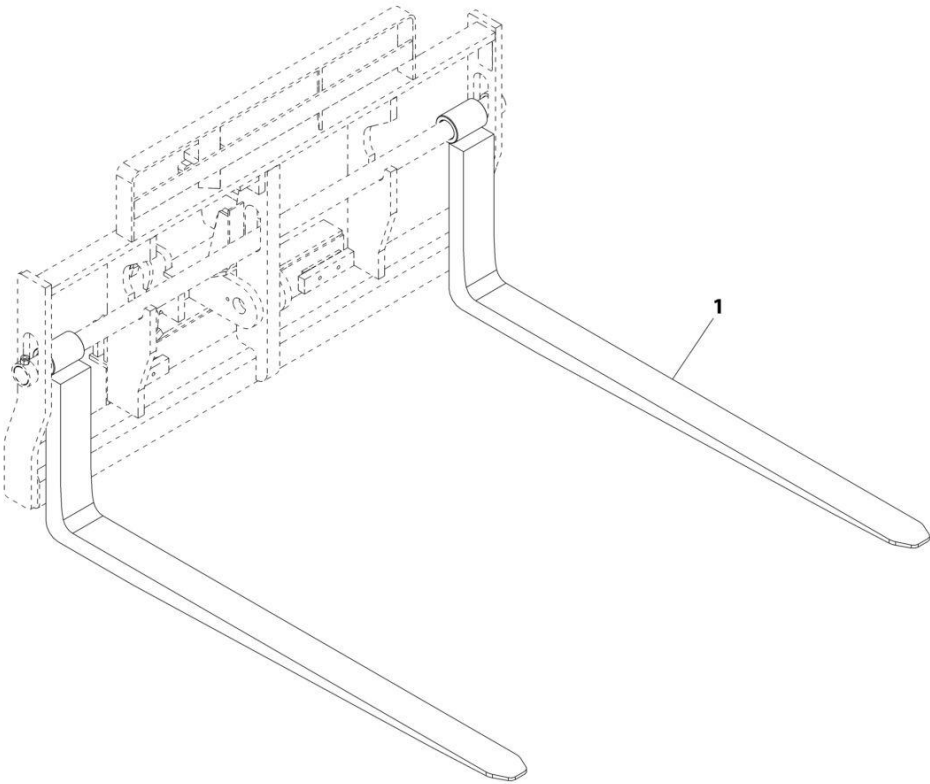
SECTION 3 - ATTACHMENTS

FIGURE 3-42. FORK 2.00X6X72 / 6610# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001259206	2	Dual Taper Fork (2.00X6X72)	A
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-43. FORK 2.36X5X72 / 6850# CAPACITY



ART_1001232355

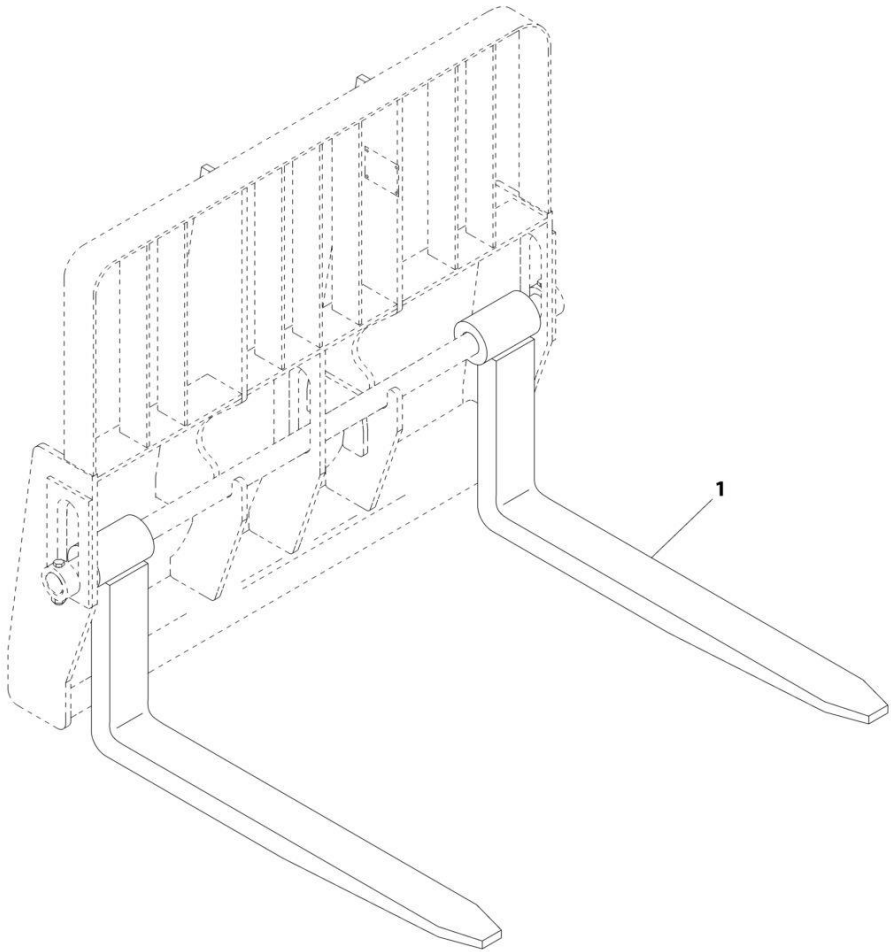
SECTION 3 - ATTACHMENTS

FIGURE 3-43. FORK 2.36X5X72 / 6850# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232355	1 pr	Pallet Fork (2.36X5X72)	A
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-44. FORK 40X150X1540



ART_1001099457-C

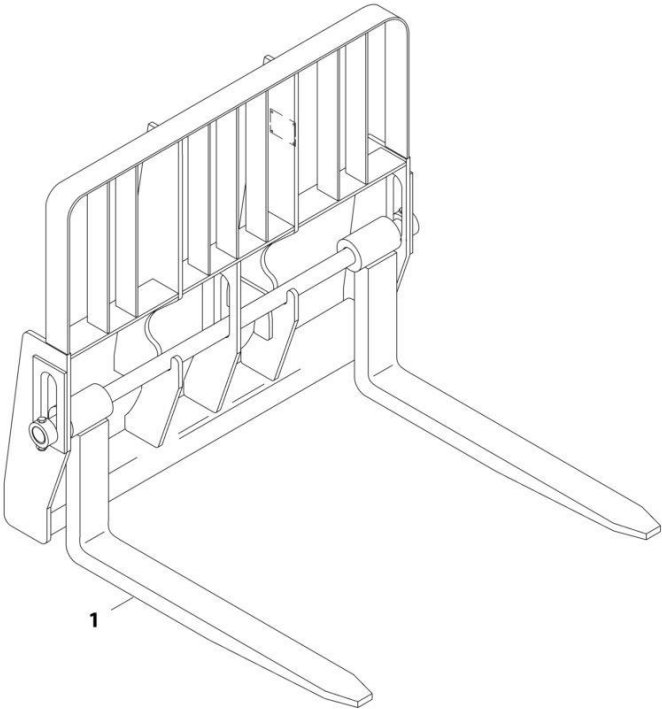
SECTION 3 - ATTACHMENTS

FIGURE 3-44. FORK 40X150X1540

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001099457	2	Lumber Fork (1.5X6X60)	C
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-45. FORK 50X180X1540



ART_1001097110-A

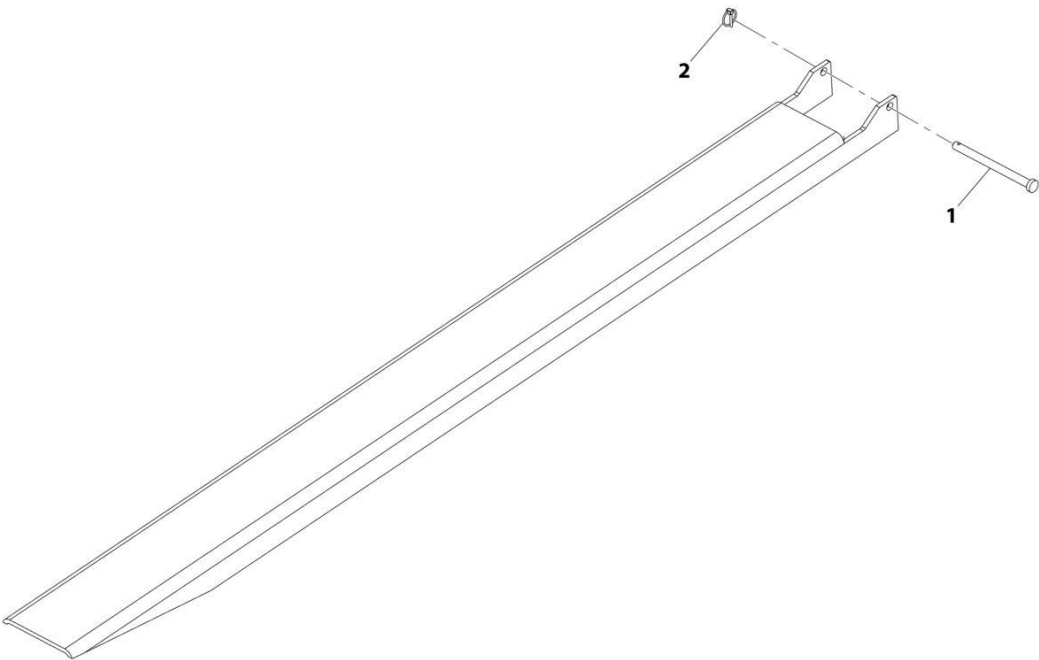
SECTION 3 - ATTACHMENTS

FIGURE 3-45. FORK 50X180X1540

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001097110	2	Lumber Fork (2.00X7X60)	A
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

SECTION 3 - ATTACHMENTS

FIGURE 3-46. FORK EXTENSION - 90IN



ART_1001137512-D

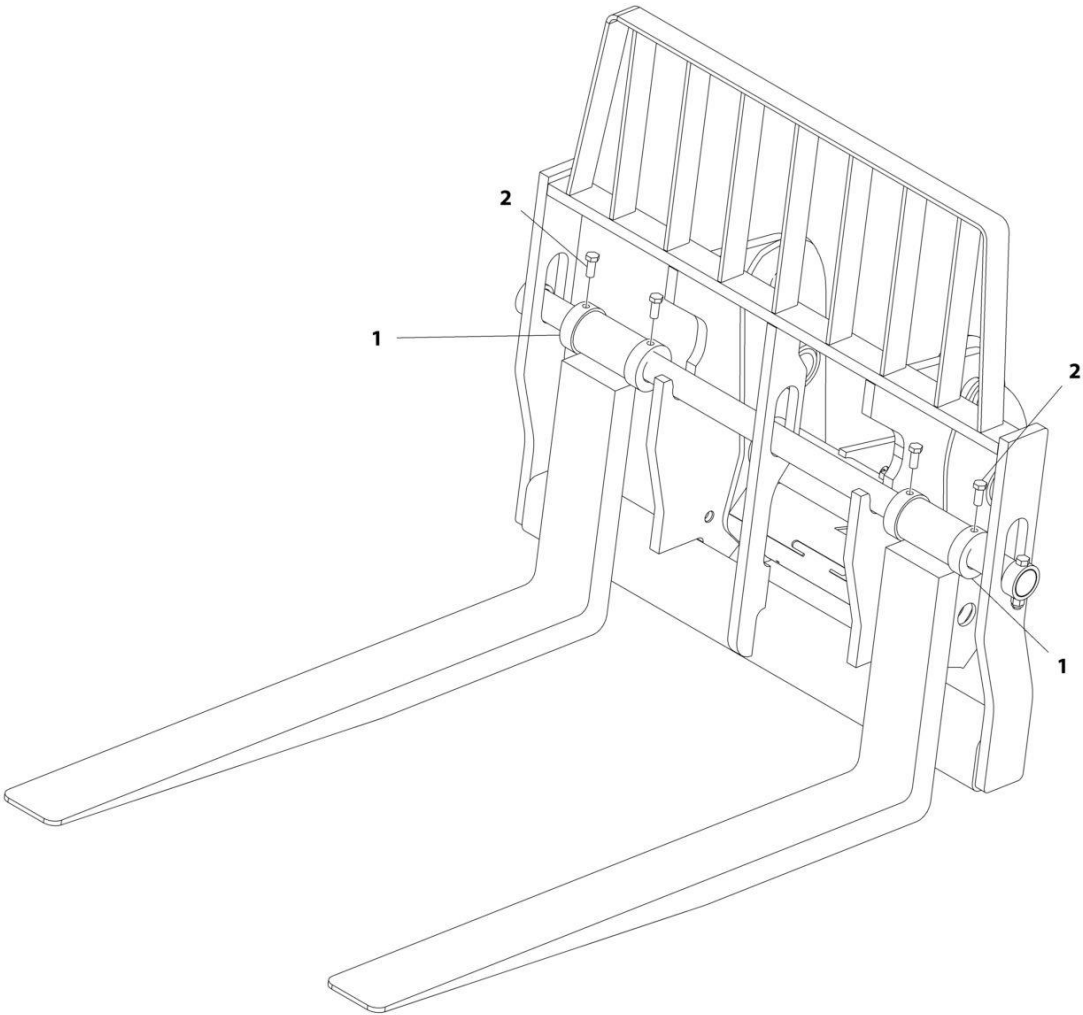
SECTION 3 - ATTACHMENTS

FIGURE 3-46. FORK EXTENSION - 90IN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137512	2 pr	Fork Extensions (62X163X2286)	D
1	70024306	1	Pin	
2	70024307	1	Clip	

SECTION 3 - ATTACHMENTS

FIGURE 3-47. FORK CLAMPS INSTALLATION



ART_1001094134-A

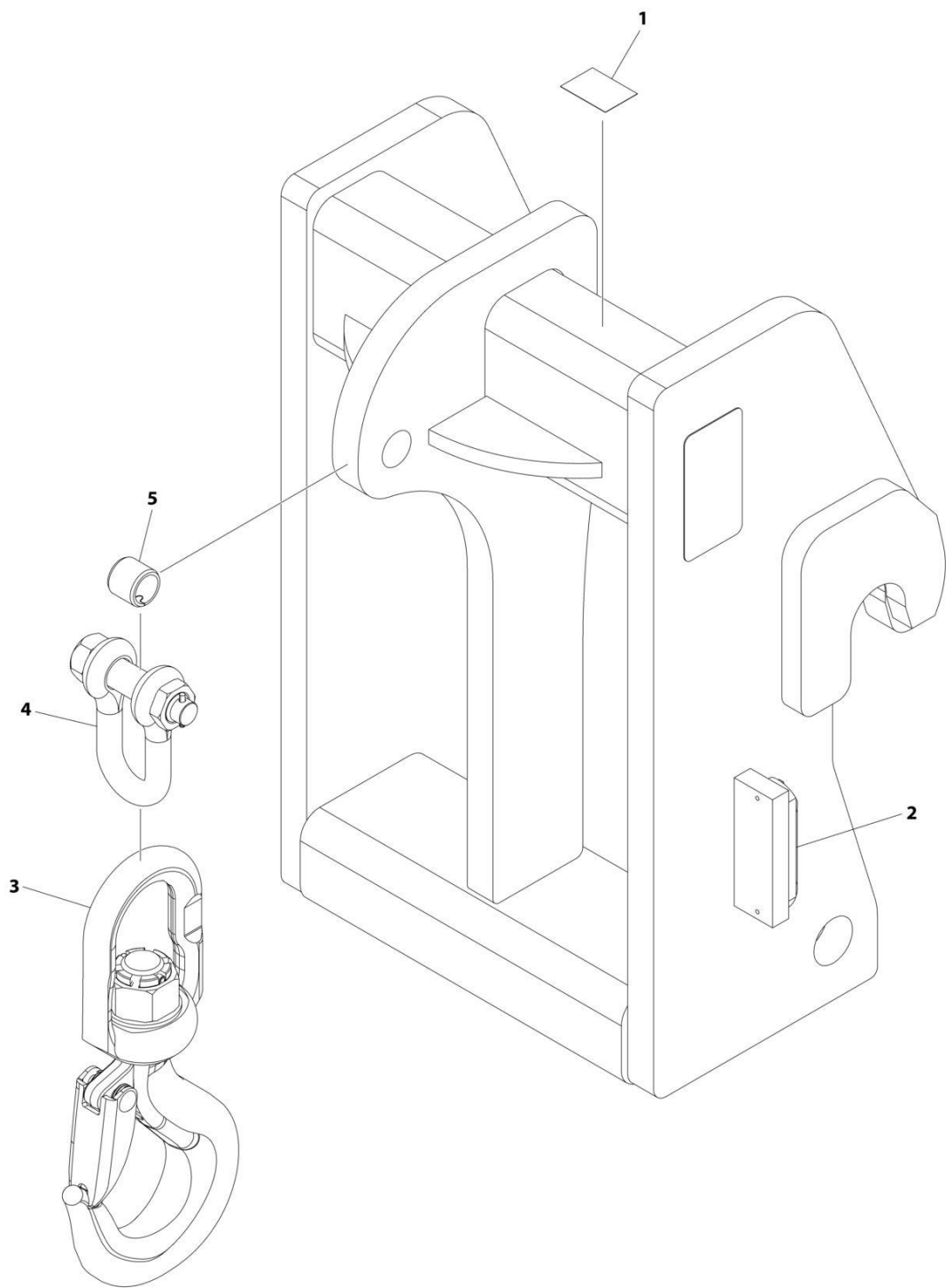
SECTION 3 - ATTACHMENTS

FIGURE 3-47. FORK CLAMPS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001094134	Ref	Fork Clamps Installation	A
1	1001094136	4	Clamp, Fork	
2	10700681	4	Bolt, 0.625-18X1.5	

SECTION 3 - ATTACHMENTS

FIGURE 3-48. HOOK, COUPLING



ART_1001207606_D

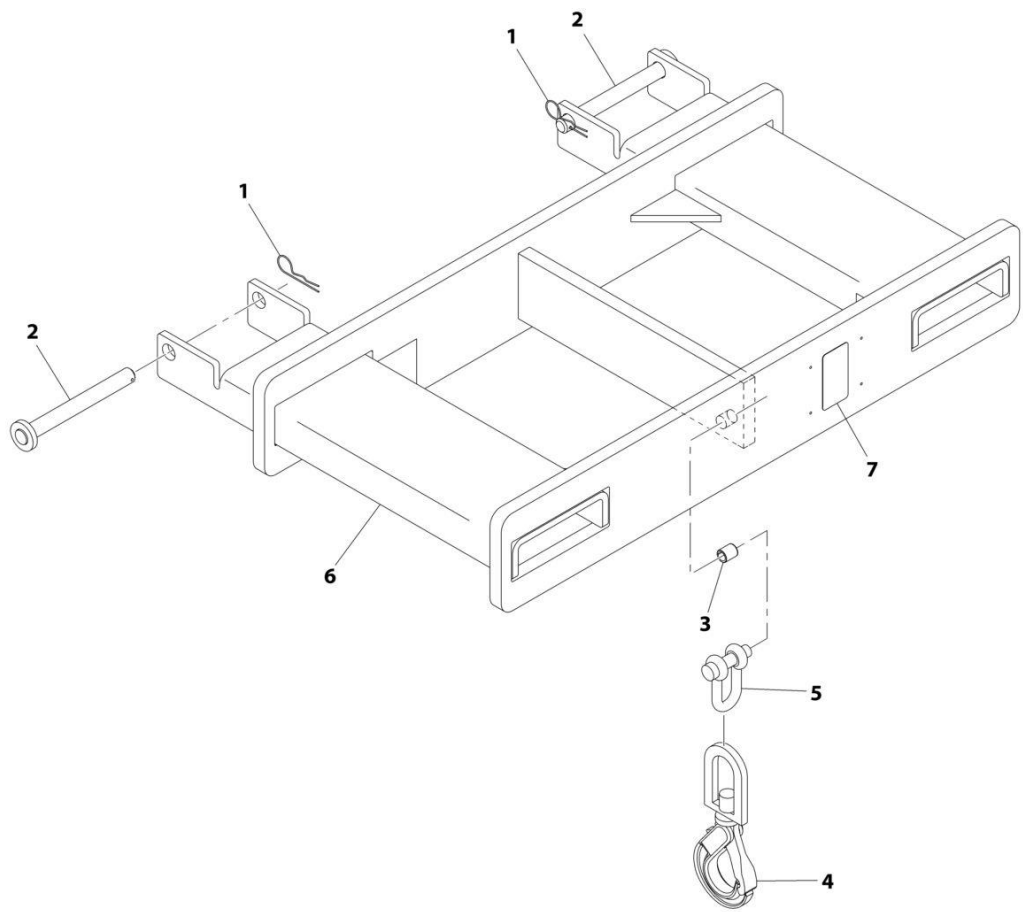
SECTION 3 - ATTACHMENTS

FIGURE 3-48. HOOK, COUPLING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207606	Ref	COUPLER MOUNTED HOOK	E
1	90554016	1	Decal	
2	1001227670	1	Tag, RFID	
3	70026745	1	Hook Swivel	
4	70026746	1	Shackle Chain	
5	70020555	1	Bushing	

SECTION 3 - ATTACHMENTS

FIGURE 3-49. HOOK, CRANE



ART_1001097205-I

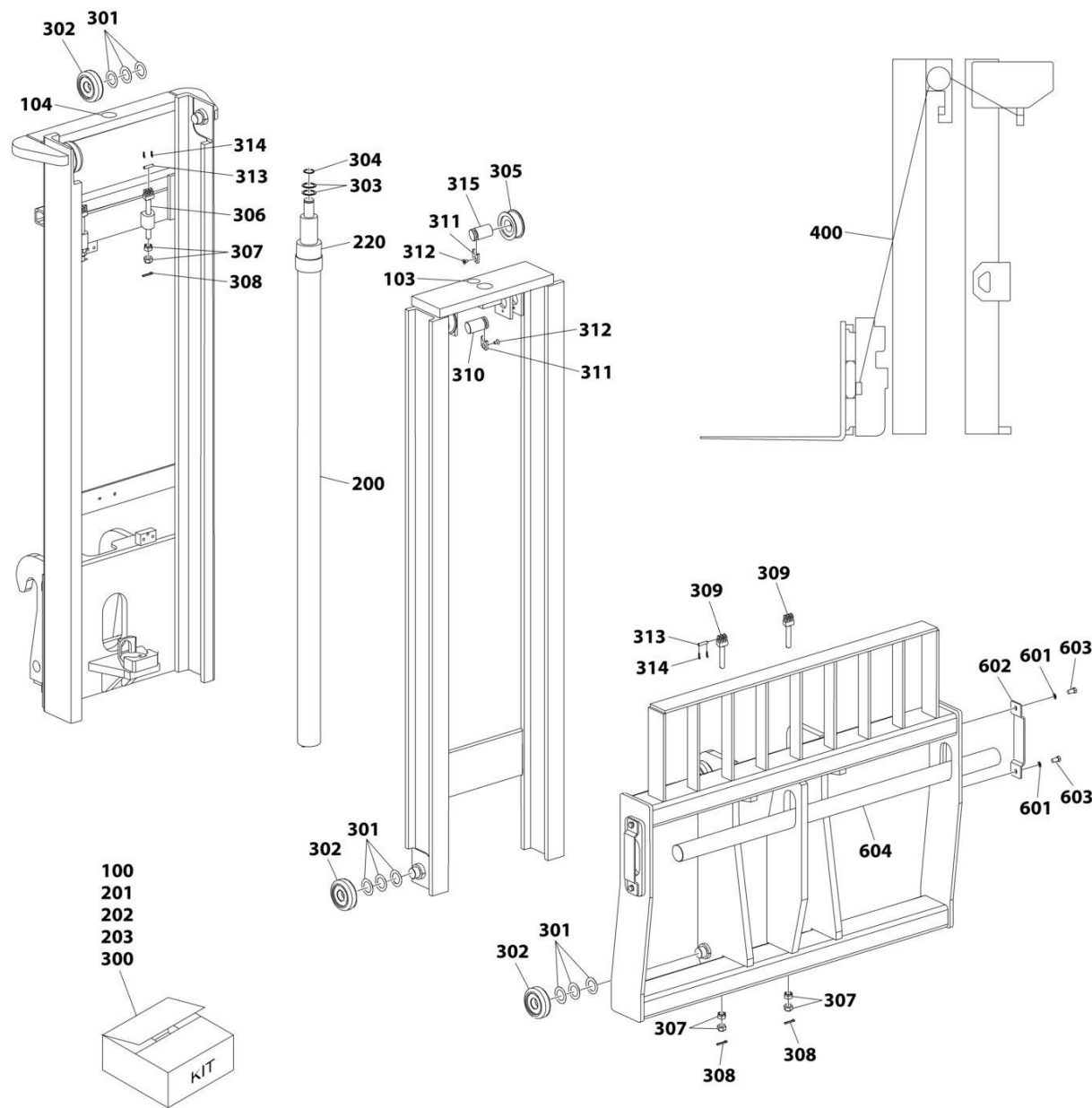
SECTION 3 - ATTACHMENTS

FIGURE 3-49. HOOK, CRANE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001097205	Ref	Fork Mounted Hook (4 Ton)	J
1	7029520	2	Pin, Cotter	
2	1001093171	2	Pin	
3	70020555	1	Bushing	
4	90554080	1	Hook	
5	7029521	1	Shackle	
6	See Note	NSS	Frame, Hook (Note: Purchase Complete Assembly)	
7	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	

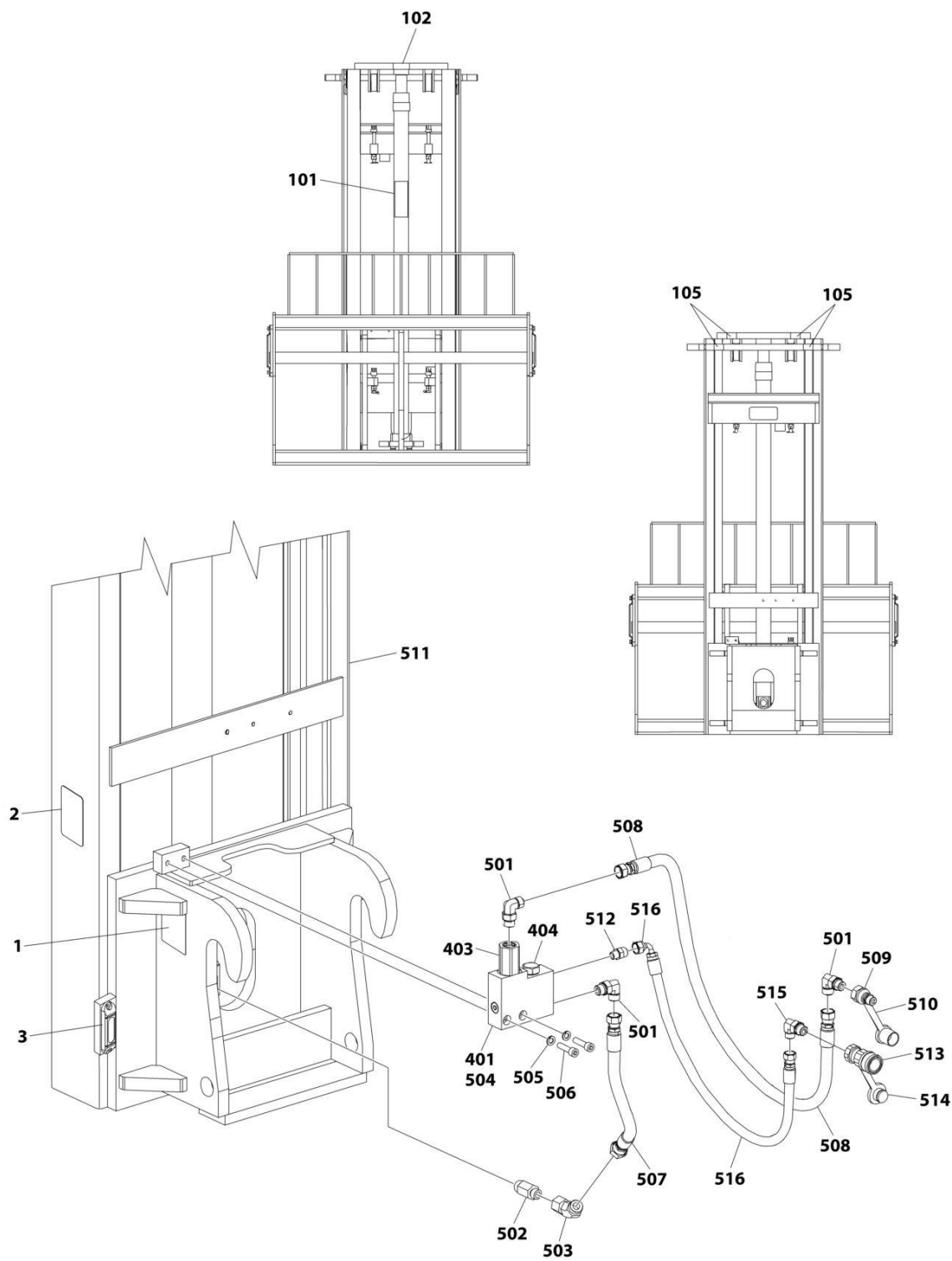
SECTION 3 - ATTACHMENTS

FIGURE 3-50. MAST, VERTICAL - 8FT (STANDARD)



ART_1001108668_1OF2

SECTION 3 - ATTACHMENTS



ART_1001108668_2OF2

SECTION 3 - ATTACHMENTS

FIGURE 3-50. MAST, VERTICAL - 8FT (STANDARD)

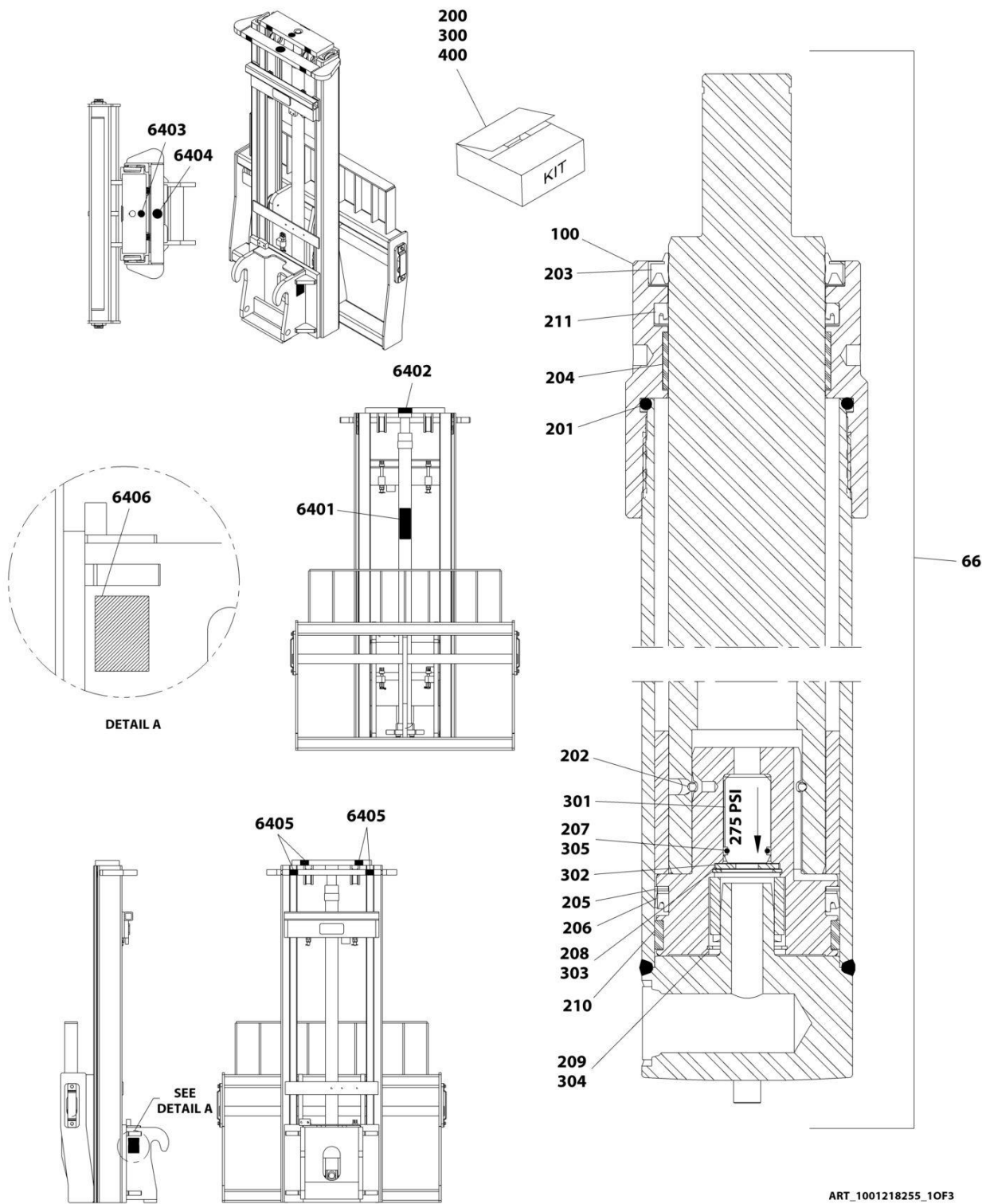
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108668	Ref	MAST ASSEMBLY - 8FT	G
1	See Note	NSS	Nameplate, Serial Number (Note: Not Available for Purchase)	
2	1001111190	2	Decal - Warning	
3	1001227670	1	RFID Tag	
100	70023925	1	Decal Kit (includes items 1, Warning, No Step & Hose Routing Decals)	
101	See Note	NSS	Decal, Warning (Use Item 100)	
102	See Note	NSS	Decal, Warning (Use Item 100)	
103	See Note	NSS	Decal, No Step (Use Item 100)	
104	See Note	NSS	Decal, No Step (Use Item 100)	
105	See Note	NSS	Decal, Hands Off (Use Item 100)	
200	70023008	1	Cylinder Assembly - Lift (includes items 201-203 & 220. No Other Service Parts Available)	
201	70023005	1	Seal Kit - 70023008 Cylinder (includes Seals & Seal Retaining Hardware)	
202	70023006	1	Check Valve Kit (includes Mounting O-Rings & Hardware)	
203	70023007	1	Shim Kit (Includes items 303)	
220	70023004	1	Head/Retainer	
300	70023015	1	Mast Kit (includes items 100 & 301-315)	
301	70023014	24	Shim	
302	70022987	8	Bearing, Ball	
303	See Note	NLA	Shim (Note: Use item 203)	
304	70023016	1	Ring, Retaining	
305	70022969	2	Sheave	
306	70022960	2	Anchor, Chain	
307	70022957	8	Nut 5/8	
308	70022993	4	Pin, Cotter	
309	70022995	2	Anchor, Chain	
310	70022984	1	Shaft, Sheave	
311	70022970	2	Bar	
312	70023003	2	Screw	
313	70022994	4	Pin	
314	70022992	8	Pin, Cotter	
315	70022985	1	Shaft, Sheave	
400	70023009	2	Chain, Hoist	
401	70022932	1	Valve Assembly - Lowering Control	
403	70022931	1	Cartridge, Valve	
404	70023010	1	Cartridge, Valve	
501	70022934	3	Fitting, 90	
502	70022936	1	Fitting, Flow Limiter	
503	70022937	1	Fitting, 45	
504	70022932	1	Valve Assembly - Lowering Control (Note: Duplicate of Item 401 - Only Qty 1 Used)	
505	70022949	2	Washer, M10	
506	70022950	2	Bolt M10	
507	70022942	1	Hose	
508	70022952	1	Hose	
509	91403414	1	Fitting, Quick Disconnect Coupling (Male)	
510	91043126	1	Cap, Dust	
511	70023015	1	Mast Kit (Note: Duplicate of Item 300 - Only Qty 1 Used)	

SECTION 3 - ATTACHMENTS

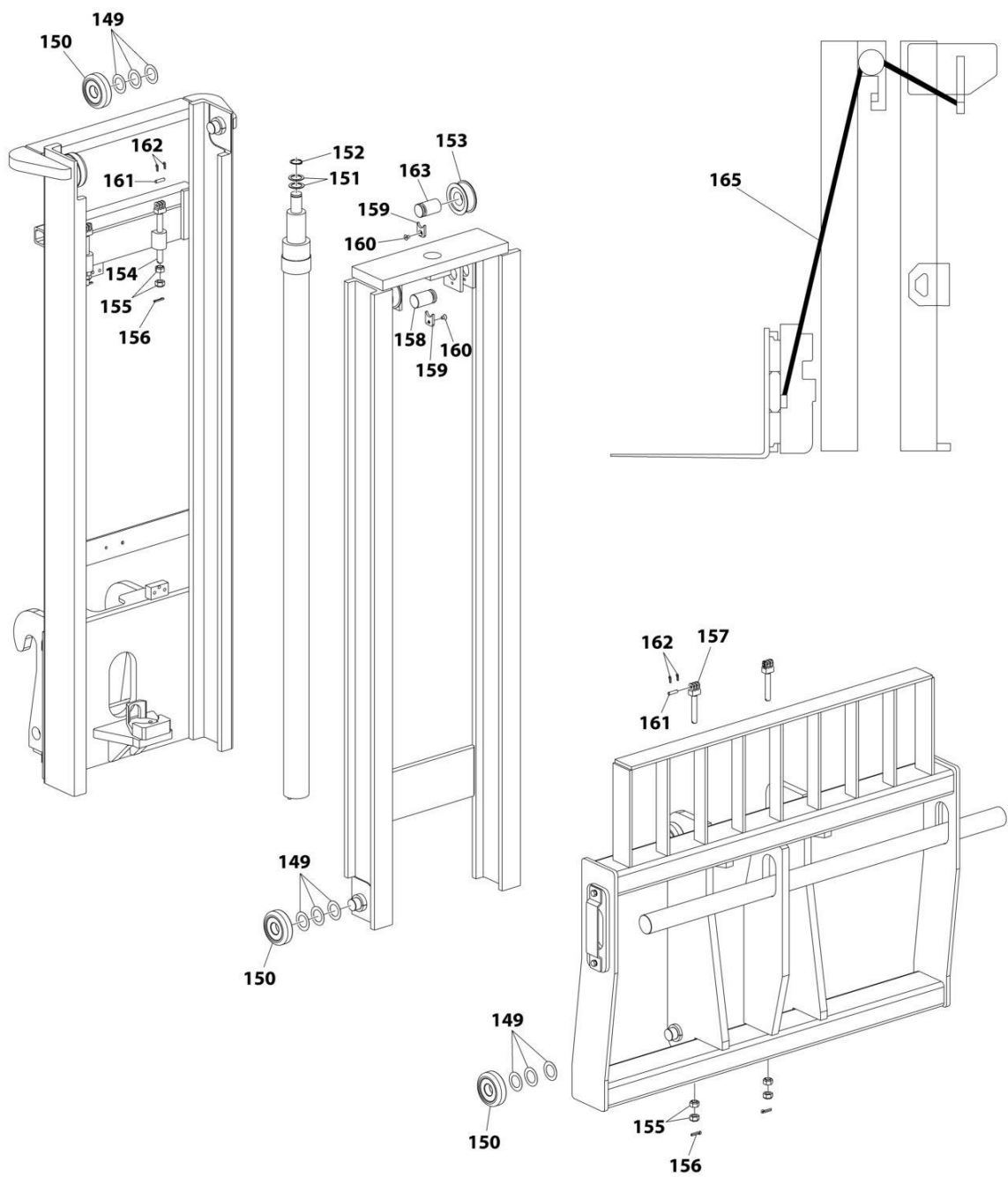
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
512	70022939	1	Fitting, Straight	
513	91403413	1	Fitting, Quick Disconnect Coupling (Female)	
514	91043125	1	Cap, Dust	
515	70022935	1	Fitting, 90	
516	70022946	1	Hose	
601	70022949	4	Washer M10	
602	70022980	2	Keeper, Pin	
603	70022998	4	Bolt M10 x 20	
604	70022990	1	Pin, Fork	

SECTION 3 - ATTACHMENTS

FIGURE 3-51. MAST, VERTICAL - 8FT (SIDE TILT ELECTRIC MAST)

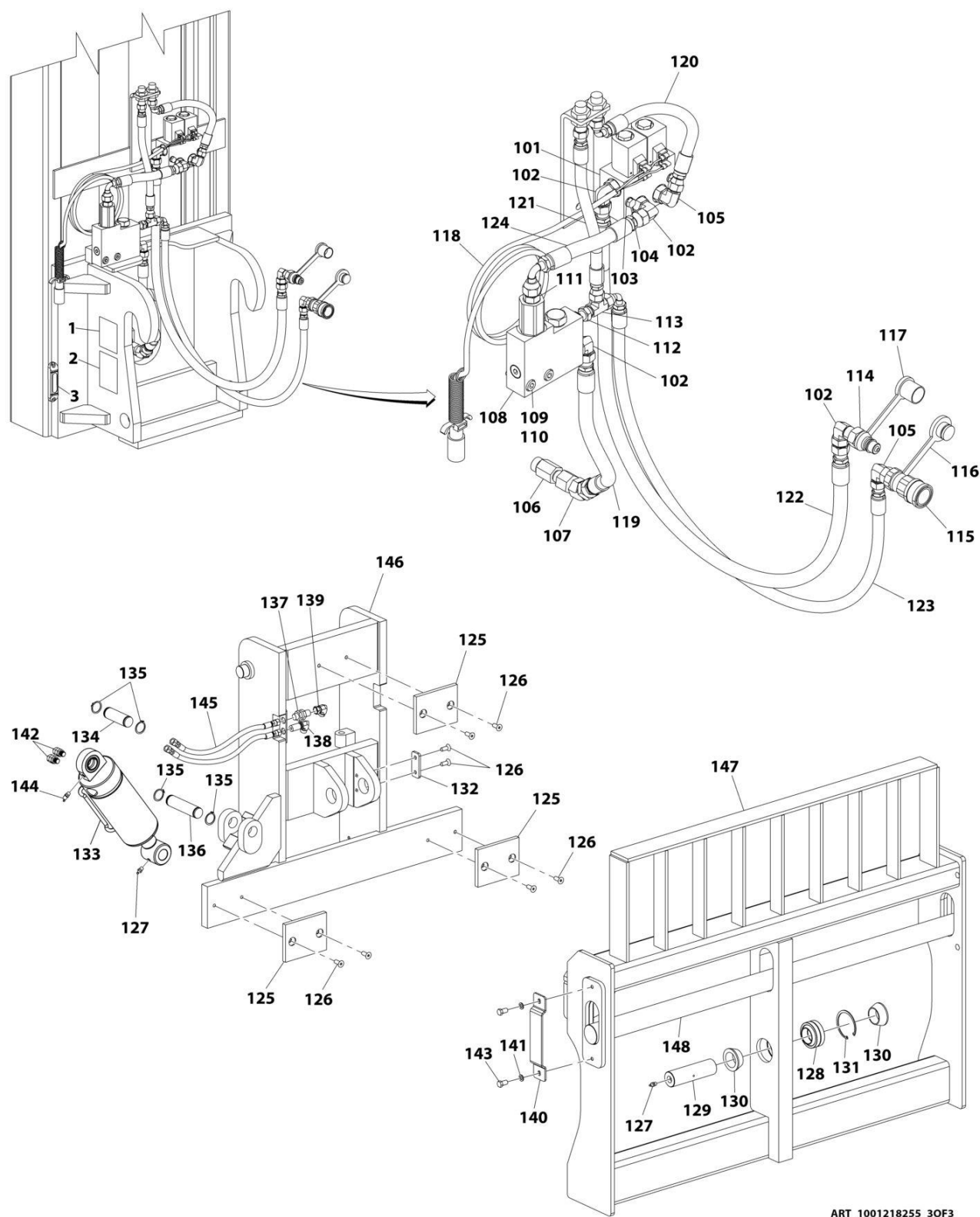


SECTION 3 - ATTACHMENTS



ART_1001218255_20F3

SECTION 3 - ATTACHMENTS



SECTION 3 - ATTACHMENTS

FIGURE 3-51. MAST, VERTICAL - 8FT (SIDE TILT ELECTRIC MAST)

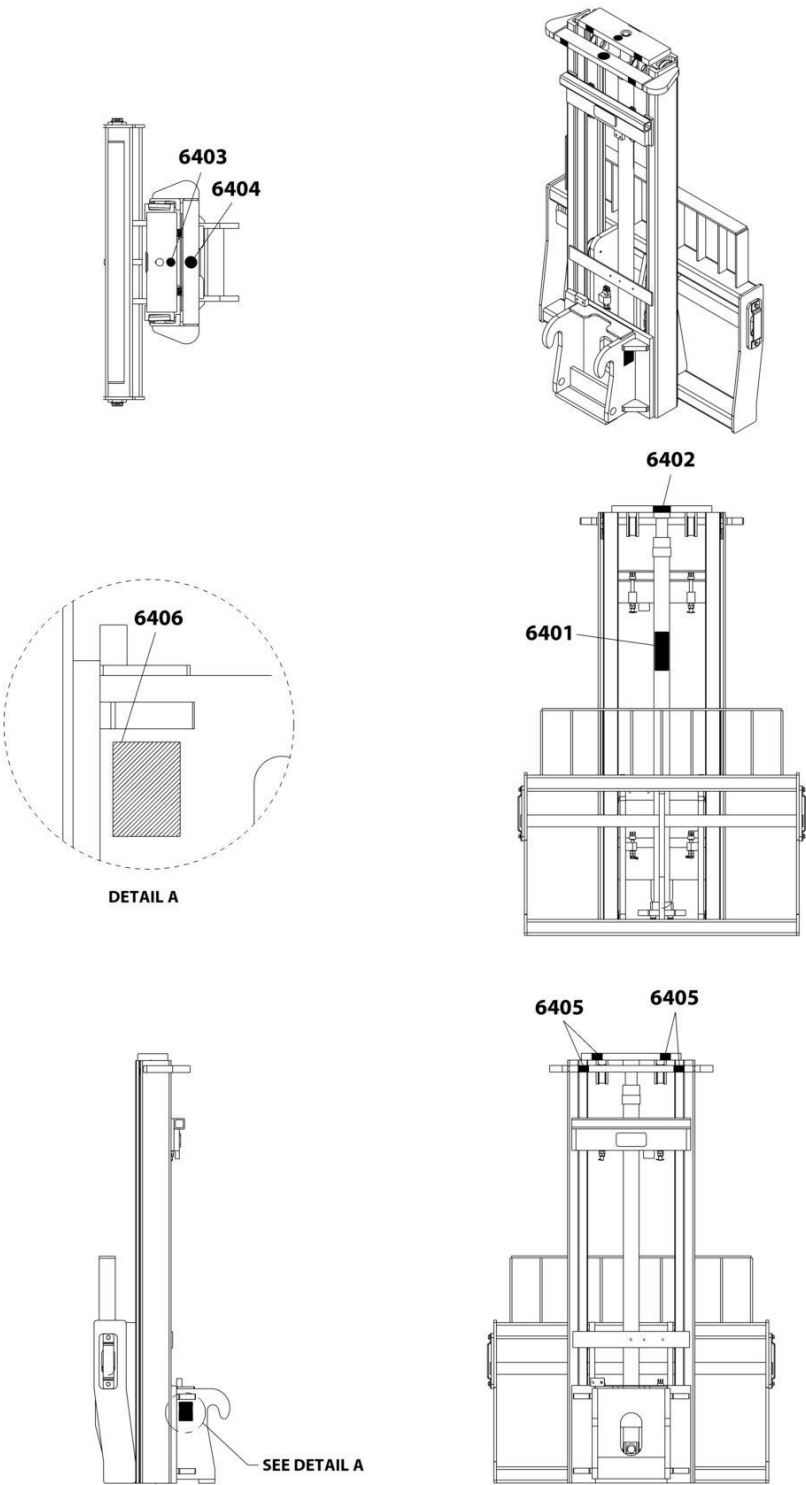
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001218255	Ref	Side Tilt Electric Mast (8 Foot)	F
1	1001111190	2	Decal, Hose Routing	
2	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
3	1001227670	1	Tag, RFID	
101	70022933	1	Solenoid Valve Bank	
102	70022934	4	Fitting, 90	
103	70022948	2	Washer, Lock M8	
104	70022951	2	Screw, M8X60	
105	70022935	2	Elbow, Straight Thread	
106	70022936	1	Limiter, Flow	
107	70022937	1	Fitting, 45	
108	70022932	1	Assembly, PO Check Valve	
108	N.S.S.	1	Manifold	
108	70022931	1	Cartridge, PO Check Valve	
108	70023010	1	Check, PO	
109	70022949	2	Washer, Lock M10	
110	70022950	2	Bolt	
111	70022938	1	Fitting, Straight	
112	70022939	1	Fitting, Straight	
113	70022940	1	Tee Fitting	
114	91403414	1	Adapter, Male Quick Disconnect	
115	91403413	1	Adapter, Female Quick Disconnect	
116	8420055	1	Cover, Dust	
117	8420053	1	Cover, Dust	
118	70022941	1	Harness	
119	70022942	1	Hose	
120	70022943	1	Hose	
121	70022944	1	Hose	
122	70022945	1	Hose	
123	70022946	1	Hose	
124	70022947	1	Hose	
125	70022972	3	Wear Pad	
126	70022971	8	Capscrew, Flat Head	
127	70023001	2	Grease Fitting	
128	70022975	1	Spherical Bearing	
129	70022973	1	Pivot Shaft	
130	70022974	2	Beveled Spacer	
131	70022988	1	Ring, Retaining	
132	70022976	1	Retainer Plate	
133	2716143	1	Tilt Cylinder	
134	70022977	1	Pin	
135	70023016	4	Ring, Snap	
136	70022978	1	Pin	
137	70023000	1	Fitting	
138	70022999	1	Elbow	
139	70022982	1	Elbow, Straight Thread	
140	70022980	2	Keeper, Fork Pin	
141	70022949	4	Washer, Lock M10	
142	70022939	2	Fitting, Straight	
143	70022998	4	Screw, M10X20	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
144	70022966	1	Grease Fitting 30	
145	70022979	2	Hose	
146	70025353	1	Spine Weldment	
147	N.S.S.	1	Front Frame Weldment	
148	70022990	1	Pin, Fork	
149	70023014	24	Shim	
150	70022987	8	Bearing, Ball	
151	70027951	2	Washer, Shim	
152	70023016	1	Ring, Snap	
153	70022969	2	Assembly, Sheave	
154	70022960	2	Anchor, Chain	
155	70022957	8	Nut, 5/8-18	
156	70022993	4	Pin, Cotter	
157	70022995	2	Anchor, Chain	
158	70022984	1	Shaft, Sheave	
159	70022970	2	Bar, Retainer	
160	70023003	2	Capscrew	
161	70022994	4	Pin, Chain Anchor	
162	70022992	8	Pin, Cotter	
163	70022985	1	Shaft, Sheave	
164	70023925	1	Kit, Decal (Not Shown) (See Separate Breakdown in this Section)	
165	70023009	2	Chain, Lift	
166	70023008	1	Cylinder, Main Lift (Not Shown) (See Separate Breakdown in this Section)	

SECTION 3 - ATTACHMENTS

FIGURE 3-52. MAST, VERTICAL - DECAL KIT



ART_70023925-A

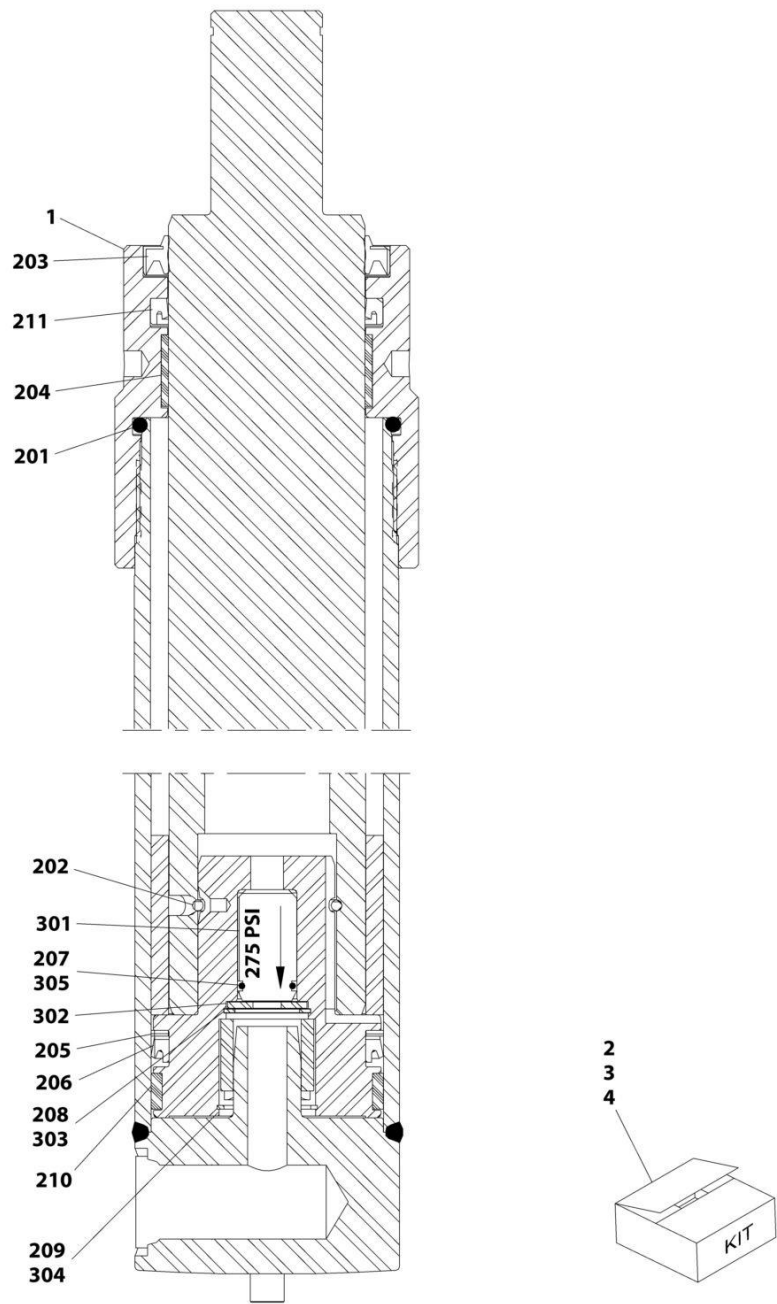
SECTION 3 - ATTACHMENTS

FIGURE 3-52. MAST, VERTICAL - DECAL KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70023925	Ref	Kit, Decal	A
6401	Kit	1	Decal, Warning	
6402	Kit	1	Decal, Warning	
6403	Kit	1	Decal, No Step	
6404	Kit	1	Decal, No Step	
6405	Kit	4	Decal, Hands Off	
6406	Kit	2	Decal, Hose Routing	

SECTION 3 - ATTACHMENTS

FIGURE 3-53. MAST, VERTICAL - CYLINDER



ART_70023008-A

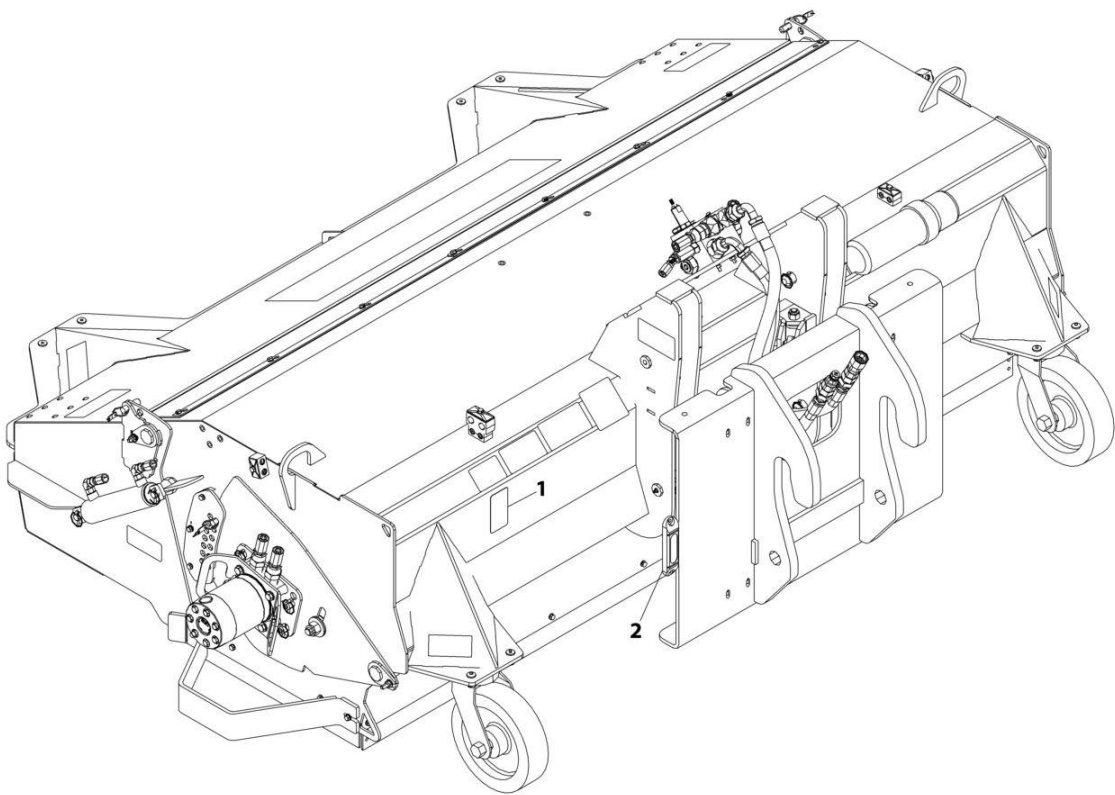
SECTION 3 - ATTACHMENTS

FIGURE 3-53. MAST, VERTICAL - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70023008	Ref	Main Lift Cylinder	A
1	70023004	1	Retainer/Gland	
2	70023005	1	Seal Kit, Main Lift Cylinder	
201	Kit	1	O-Ring	
202	Kit	1	Wire, Pull	
203	Kit	1	Wiper	
204	Kit	1	Bushing	
205	Kit	1	Ring, Nylon	
206	Kit	1	Seal, Piston	
207	Kit	1	O-Ring	
208	Kit	1	Circlip	
209	Kit	1	Ring, Retaining	
210	Kit	1	Ring, Wear	
211	Kit	1	Seal, Rod	
3	70023006	1	Kit, Check Valve	
301	Kit	1	Valve, Check	
302	Kit	1	Washer	
303	Kit	1	Circlip	
304	Kit	1	Ring, Retaining	
304	Kit	1	O-Ring	
4	70023007	1	Kit, Shim	

SECTION 3 - ATTACHMENTS

FIGURE 3-54. SWEEPER ASSEMBLY



ART_1001202904

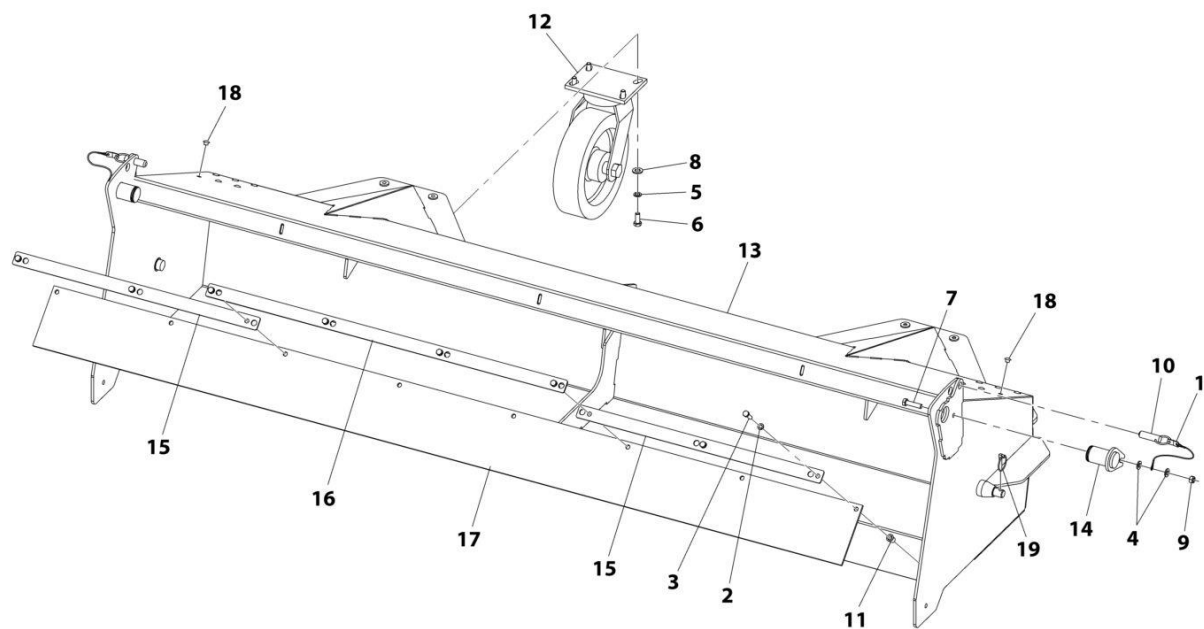
SECTION 3 - ATTACHMENTS

FIGURE 3-54. SWEEPER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1 2	1001202904	Ref	Sweeper Assembly	D
	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
	1001227670	1	Tag, RFID	
		Ref	Sweeper Assembly- Hopper (See Separate Breakdown in this Section)	
		Ref	Sweeper Assembly - Body (See Separate Breakdown in this Section)	
		Ref	Sweeper Assembly - Motor (See Separate Breakdown in this Section)	
		Ref	Sweeper Assembly - Idler (See Separate Breakdown in this Section)	
		Ref	Sweeper Assembly - Core (See Separate Breakdown in this Section)	
		Ref	Sweeper Assembly - Hydraulic Single Motor (See Separate Breakdown in this Section)	

SECTION 3 - ATTACHMENTS

FIGURE 3-55. SWEEPER ASSEMBLY - HOPPER



ART_1001202904_1-B

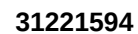
SECTION 3 - ATTACHMENTS

FIGURE 3-55. SWEEPER ASSEMBLY - HOPPER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	Ref	SWEEPER ASSEMBLY - HOPPER	
1	70029725	2	Lanyard	
2	70029734	8	Washer	
3	70029735	8	Screw	
4	70029738	4	Washer	
5	70029739	8	Washer	
6	70029740	8	Screw	
7	70029742	2	Screw	
8	70029743	8	Washer	
9	70029747	2	Nut	
10	70029750	2	Pin	
11	70029756	8	Nut	
12	70029762	2	Assembly, Caster	
13	See Note	NSS	Hopper (Note: Purchase Complete Assembly)	
14	70029777	2	Pin	
15	70029780	2	Plate	
16	70029781	1	Plate	
17	70029785	1	Flap	
18	70029792	12	Plug	
19	70029794	2	Pin, Lynch	

212

1043



ART_1001202904_2-B

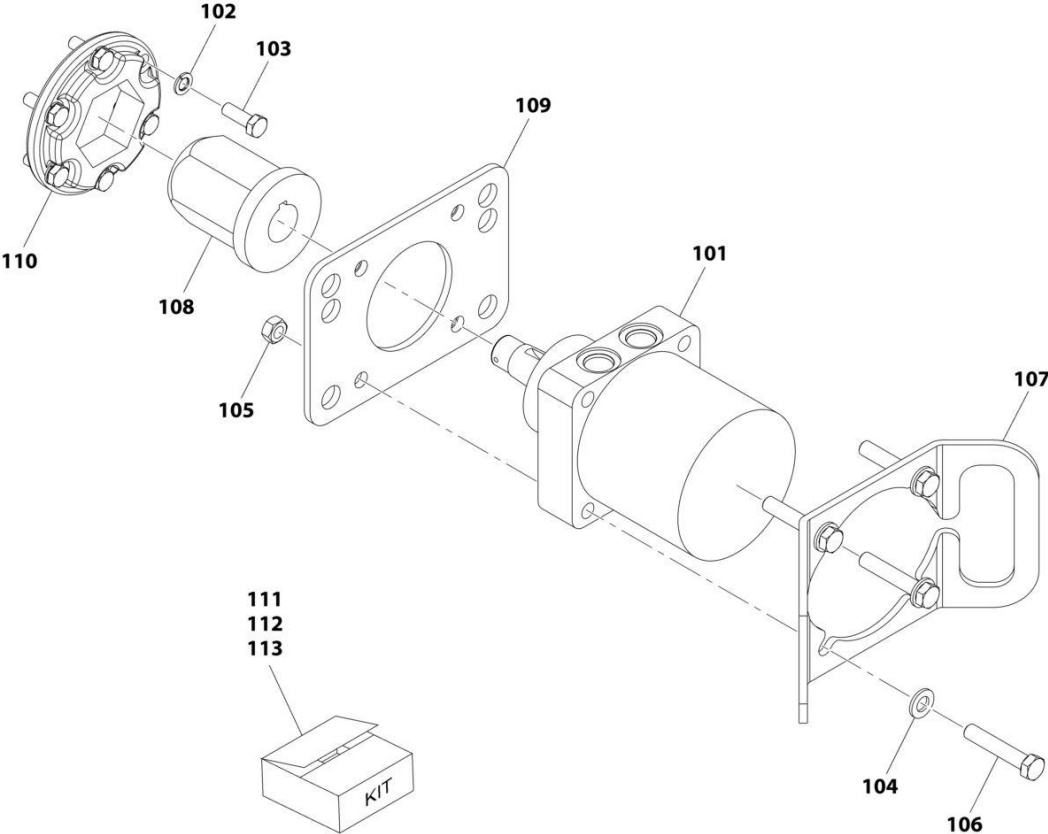
SECTION 3 - ATTACHMENTS

FIGURE 3-56. SWEEPER ASSEMBLY - BODY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	Ref	SWEEPER ASSEMBLY - BODY	
1	70029720	2	Nut	
2	70029721	4	Fitting, Grease	
3	70029722	1	Toplink	
4	70029723	2	Screw	
5	70020004	2	Screw	
6	70029724	2	Ring, Snap	
7	70029725	2	Lanyard	
8	70029726	4	Screw	
9	70029728	2	Washer	
10	70029732	6	Washer	
11	70029734	38	Washer	
12	70029735	32	Screw	
13	70029736	4	Screw	
14	70029738	2	Washer	
15	70029739	14	Washer	
16	70029741	8	Screw	
17	70029742	2	Screw	
18	70029743	8	Washer	
19	70029745	6	Nut	
20	70029747	2	Nut	
21	70029729	2	Pin	
22	70029751	6	Screw	
23	70029752	2	Screw	
24	70029755	4	Shackle	
25	70029756	45	Nut	
26	70029757	25	Nut	
27	70029760	4	Washer	
28	70029762	2	Assembly, Caster	
29	70029764	4	Bearing	
30	70029765	8	Pin	
31	70029766	2	Link	
32	70029767	2	Washer	
33	70029768	6	Stud	
34	See Note	NSS	Body, Sweeper (Note: Purchase Complete Assembly)	
35	70029773	2	Plate	
36	70029774	2	Plate	
37	70029775	2	Plate	
38	70029776	2	Plate	
39	70029777	2	Pin	
40	70029778	2	Plate	
41	70029779	2	Flap	
42	70029780	6	Plate	
43	70029781	3	Plate	
44	70029784	1	Flap	
45	70029786	1	Flap	
46	70029788	2	Chain	
47	70029790	2	Toplink	
48	70029793	6	Washer	
49	70029794	16	Pin, Lynch	

SECTION 3 - ATTACHMENTS

FIGURE 3-57. SWEEPER ASSEMBLY - MOTOR



ART_1001202904_3-B

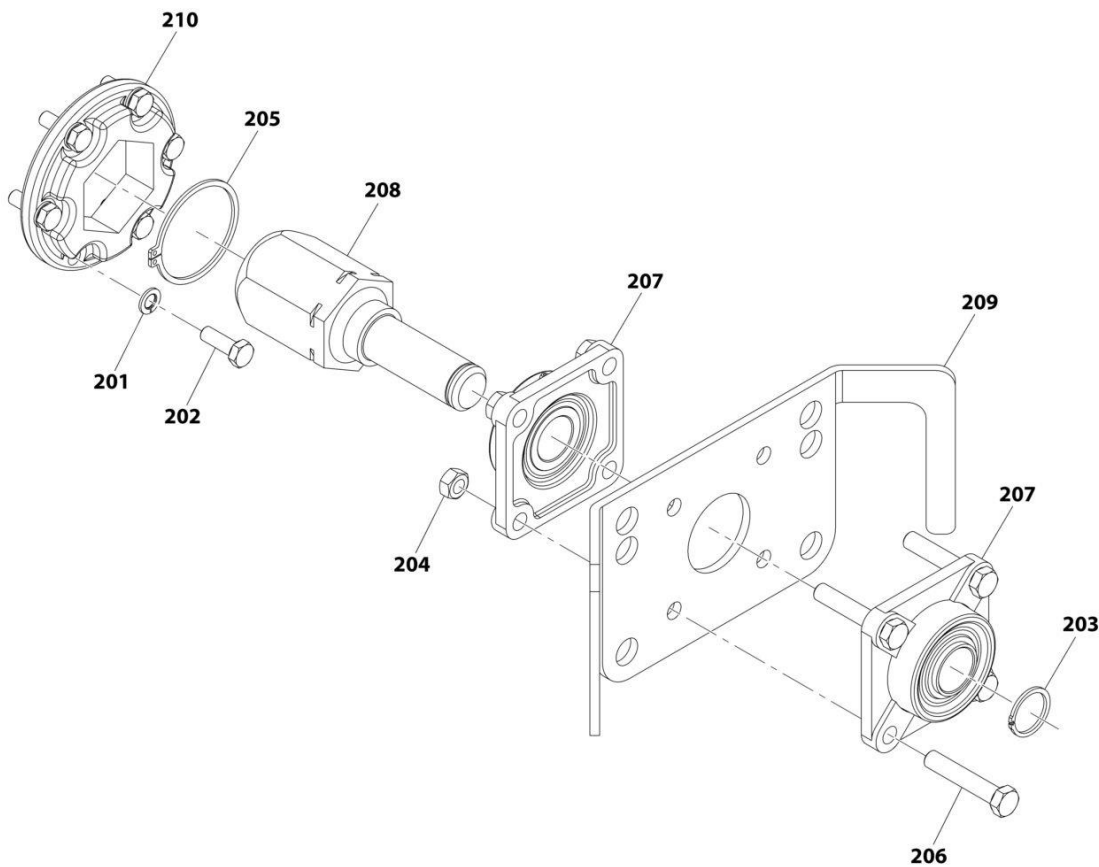
SECTION 3 - ATTACHMENTS

FIGURE 3-57. SWEEPER ASSEMBLY - MOTOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	Ref	SWEEPER ASSEMBLY - MOTOR	
101	70029717	1	Motor	
102	70029739	6	Washer	
103	70029741	6	Screw	
104	70029743	4	Washer	
105	70029746	4	Nut	
106	70029749	4	Screw	
107	70029769	1	Plate	
108	70029771	1	Hub	
109	70029772	1	Plate	
110	70029789	1	Plate	
111	70029719	1	Nut, Motor Shaft Lock	
112	70029718	1	Kit, Seal	
113	70029761	1	Key	

SECTION 3 - ATTACHMENTS

FIGURE 3-58. SWEEPER ASSEMBLY - IDLER



ART_1001202904_4-B

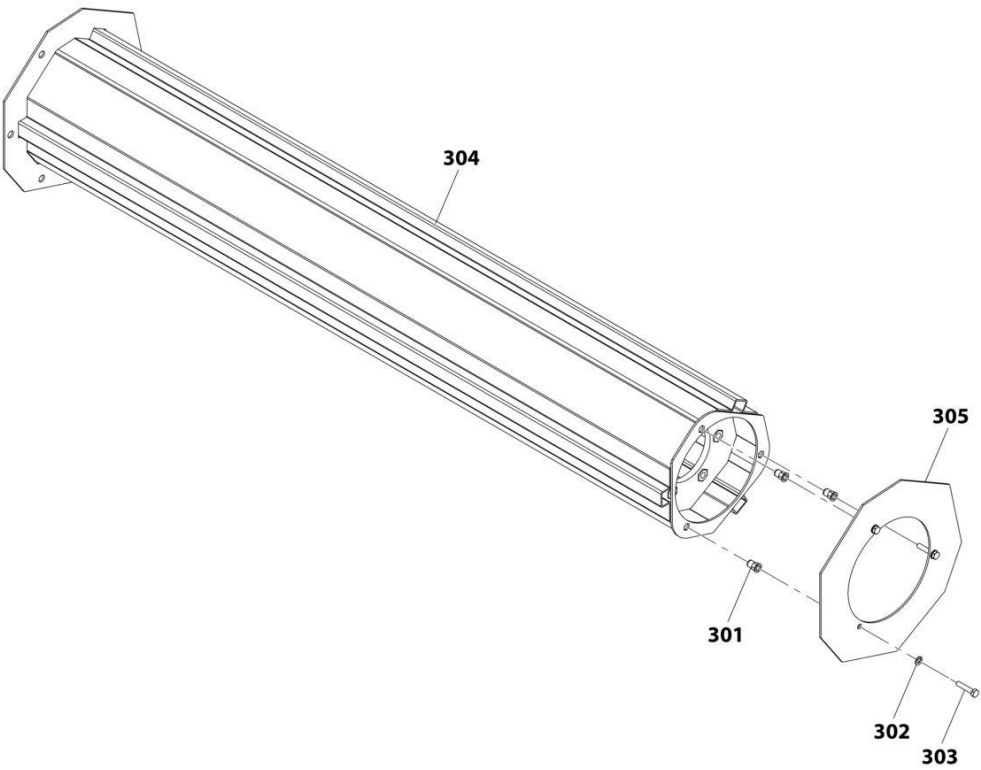
SECTION 3 - ATTACHMENTS

FIGURE 3-58. SWEEPER ASSEMBLY - IDLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	Ref	SWEEPER ASSEMBLY - IDLER	
201	70029739	6	Washer	
202	70029741	6	Screw	
203	70029744	1	Ring, Snap	
204	70029746	4	Nut	
205	70029748	1	Ring, Snap	
206	70029749	4	Screw	
207	70029763	2	Bearing	
208	70029770	1	Hub	
209	70029787	1	Plate	
210	70029789	1	Plate	

SECTION 3 - ATTACHMENTS

FIGURE 3-59. SWEEPER ASSEMBLY - CORE



ART_1001202904_5-B

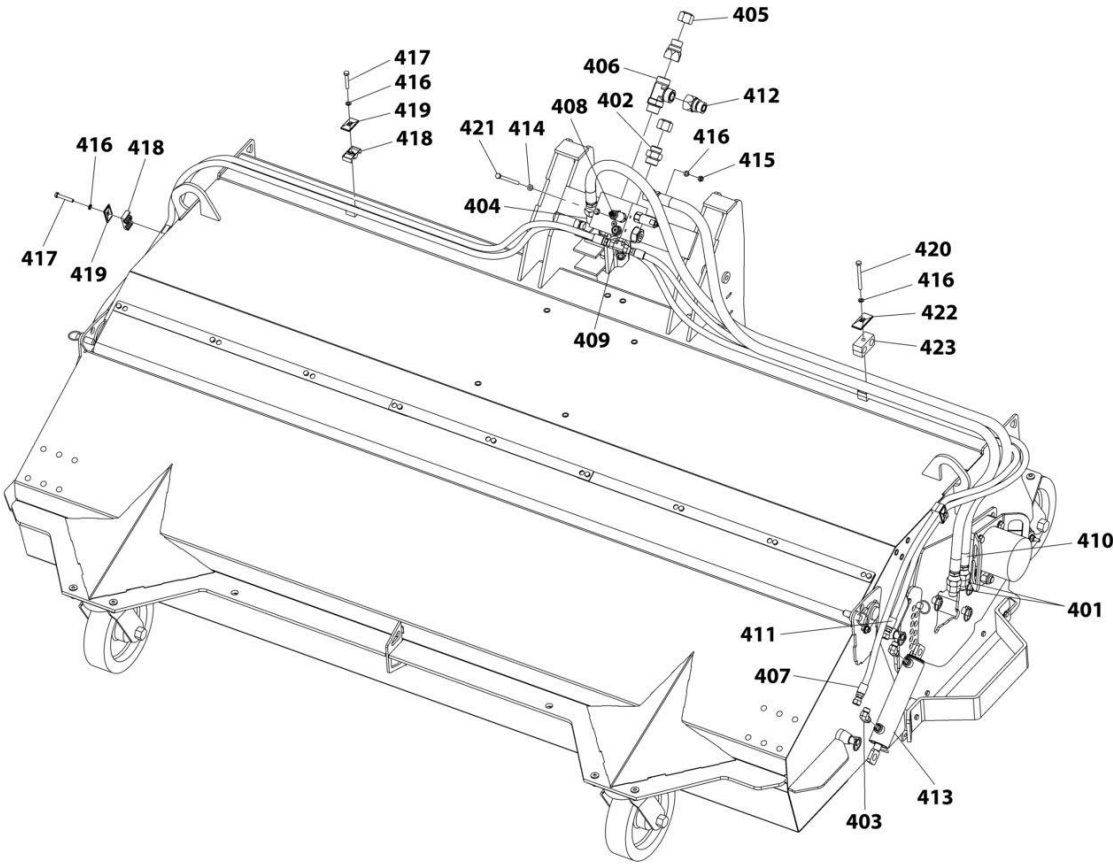
SECTION 3 - ATTACHMENTS

FIGURE 3-59. SWEEPER ASSEMBLY - CORE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	1	SWEEPER ASSEMBLY - CORE	
301	70029727	3	Nut	
302	70029730	3	Washer	
303	70029731	3	Screw	
304	70029782	1	Core	
305	70029783	1	Plate	

SECTION 3 - ATTACHMENTS

FIGURE 3-60. SWEEPER ASSEMBLY - HYDRAULIC SINGLE MOTOR ASSEMBLY



ART_1001202904_6-B

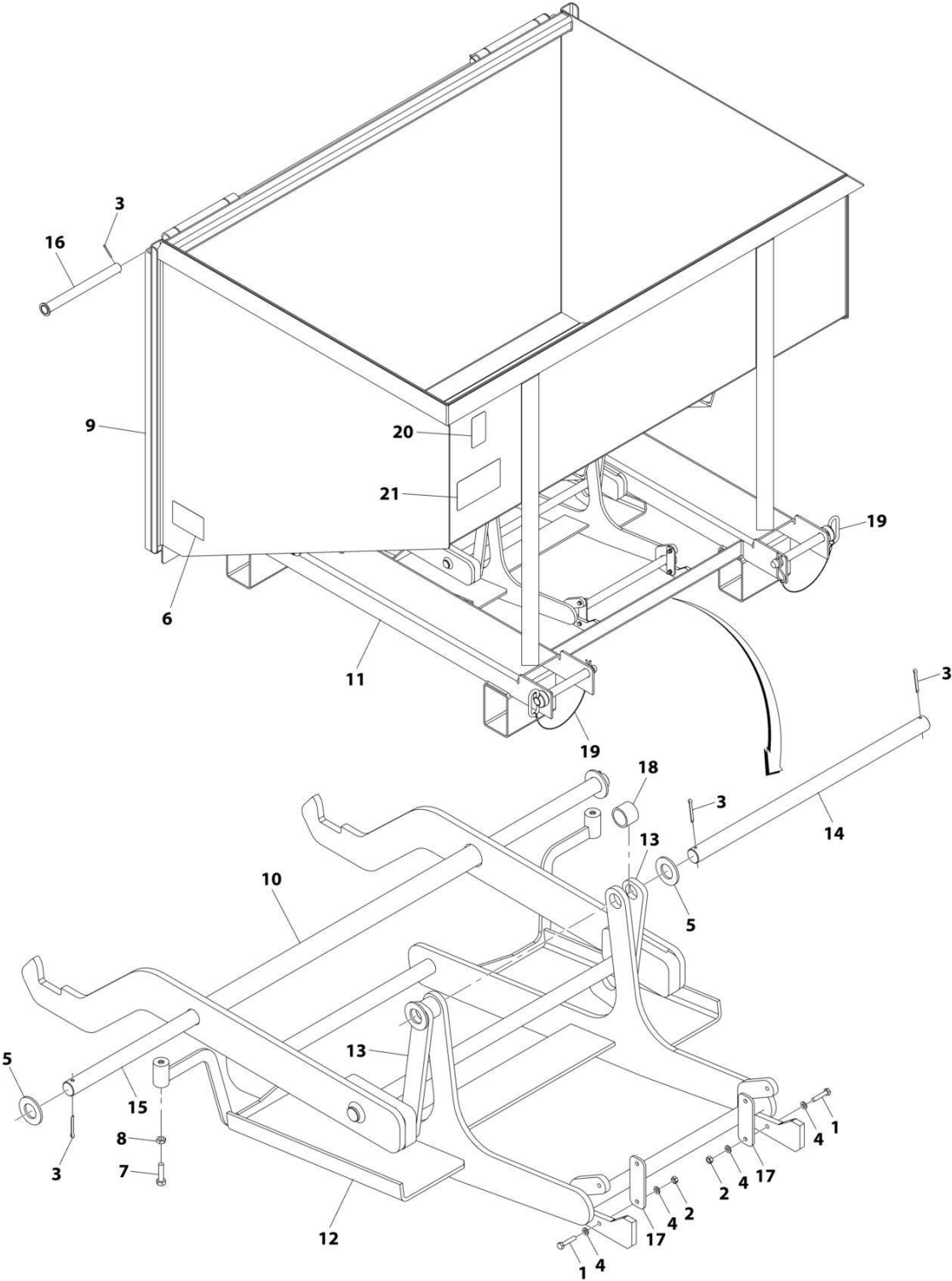
SECTION 3 - ATTACHMENTS

FIGURE 3-60. SWEEPER ASSEMBLY - HYDRAULIC SINGLE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	Ref	SWEEPER ASSEMBLY - HYDRAULICS	
401	70029704	2	Fitting	
402	70029705	1	Fitting	
403	70029706	4	Fitting, 90	
404	70029707	1	Fitting, 90	
405	70029708	2	Cap	
406	70029709	1	Fitting, Tee	
407	70029710	2	Hose	
408	70029711	1	Manifold	
409	70029712	2	Fitting, Tee	
410	70029713	2	Hose	
411	70029714	2	Hose	
412	70029715	2	Fitting	
413	70029716	2	Cylinder	
413	70029791	1	Kit, Seal	
414	70029732	2	Washer	
415	70029733	2	Nut	
416	70029734	6	Washer	
417	70029737	3	Screw	
418	70029753	8	Hose	
419	70029754	3	Cover	
420	70029758	1	Screw	
421	70029759	2	Screw	
422	70029795	1	Cover	
423	70029796	1	Cradle, Hose	

SECTION 3 - ATTACHMENTS

FIGURE 3-61. TRASH HOPPER



ART_1001238566-B

SECTION 3 - ATTACHMENTS

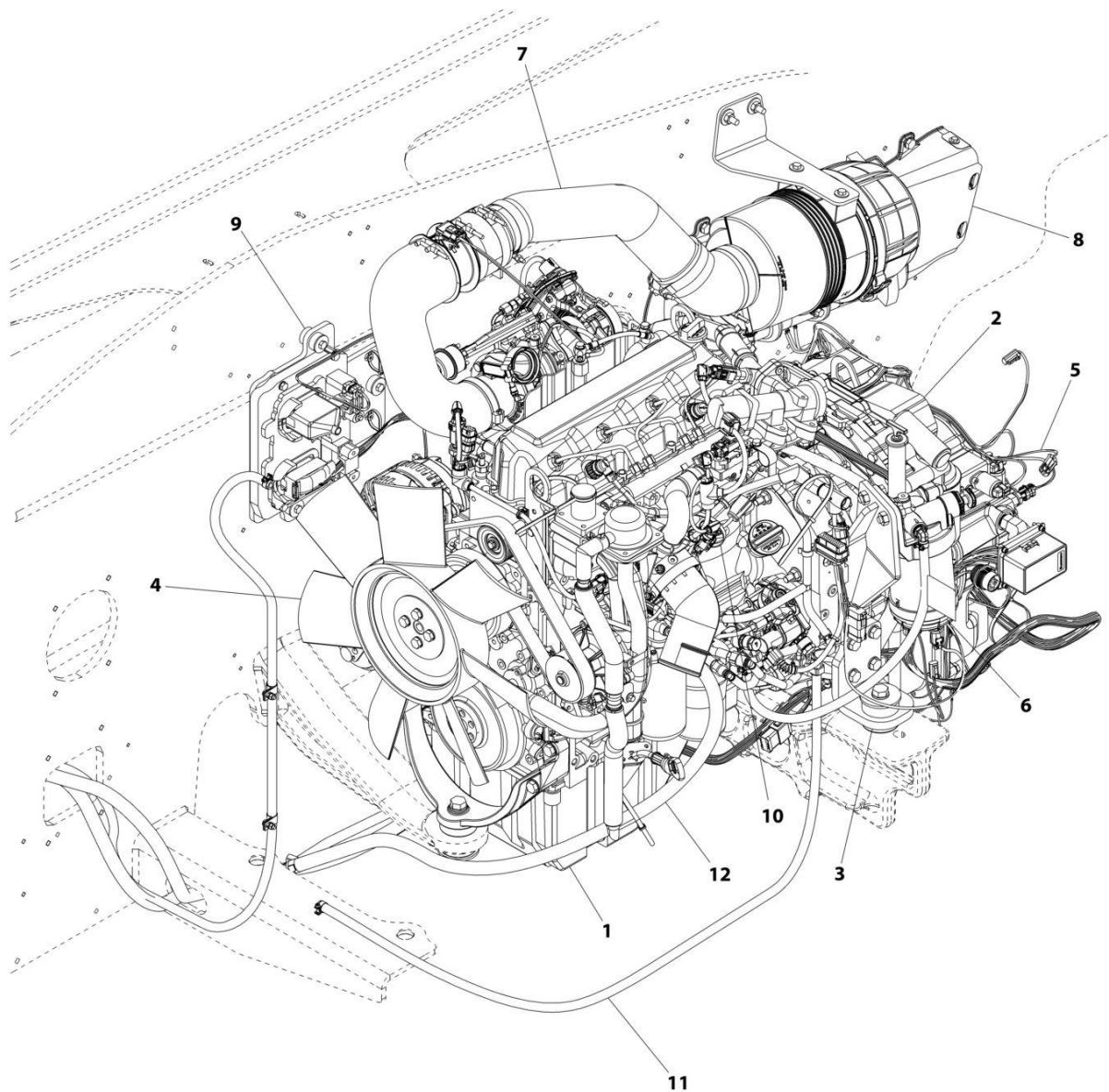
FIGURE 3-61. TRASH HOPPER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238566	Ref	FORK MOUNTED TRASH HOPPER	C
1	0700614	4	Bolt M6 x 30	
2	3290601	4	Nut M6 x 1	
3	3391410	6	Pin	
4	4811700	8	Washer M6	
5	5242400	4	Washer M24	
6	1706302	2	Decal, Pinch Point	
7	0641510	2	Bolt 5/16 x 1-1/4	
8	3311502	2	Nut 5/16	
9	1001192711	1	Door Assembly	
10	1001192720	1	Hook Assembly	
11	See Note	NSS	Hopper, Trash (Note: Purchase Complete Assembly)	
12	1001192875	1	Tray Assembly	
13	1001192876	2	Arm, Swing	
14	1001192877	1	Rod, Swing	
15	1001238570	1	Bar	
16	1001193540	2	Pin	
17	1001193729	2	Plate	
18	1001198355	2	Spacer	
19	1001238560	2	Pin	
20	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
21	1001203503	1	Decal, Trash Hopper Operation	

SECTION 4 - ENGINE AND ATTACHING PARTS

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE INSTALLATION, 110HP (ULS)



ART_1001169009-H

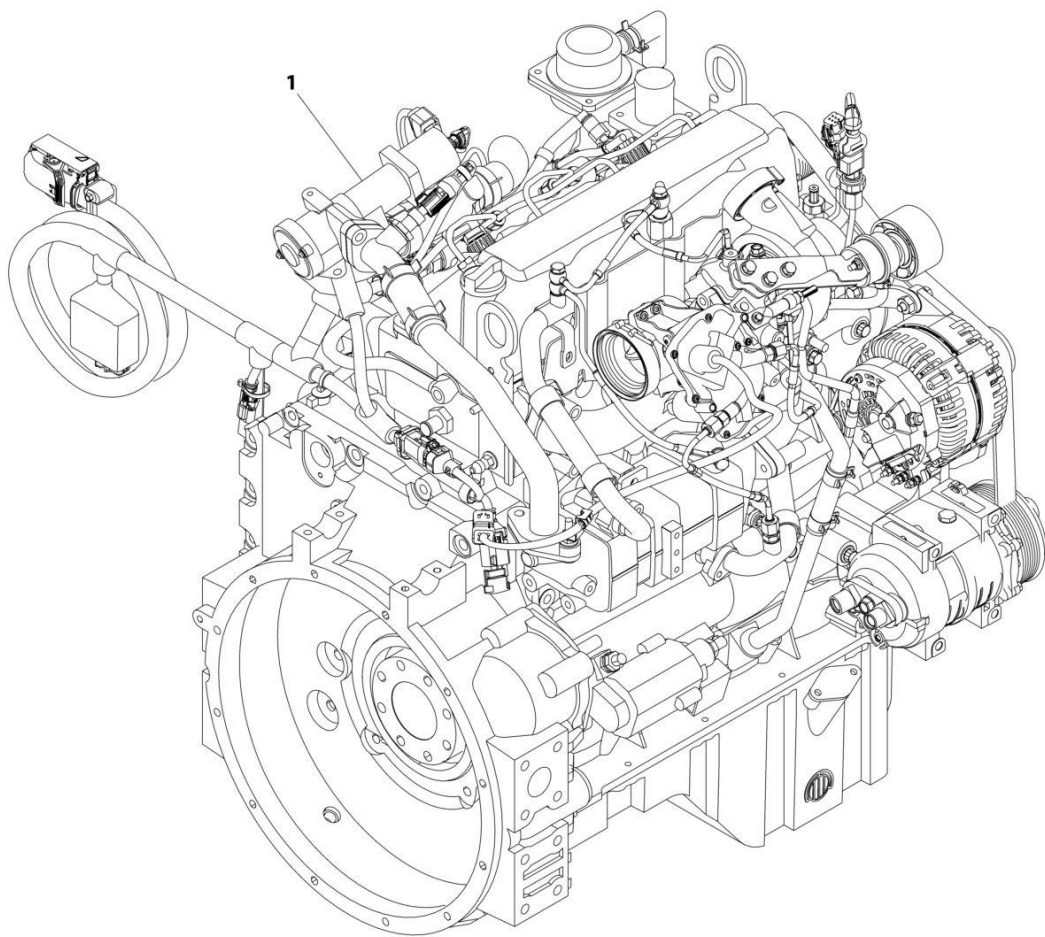
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE INSTALLATION, 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169009	Ref	Engine Installation, 110HP (ULS)	H
1	1001154511	Ref	Engine, 110HP (ULS) (See Separate Breakdown in this Section)	
2	1001161664	Ref	Installation, Transmission (See Separate Breakdown in DRIVETRAIN Section)	
3	1001163227	Ref	Installation, Engine Mounting (See Separate Breakdown in this Section)	
4	1001163230	Ref	Installation, Fan (See Separate Breakdown in this Section)	
5	1001163233	Ref	Installation, Engine Wiring (ULS) (See Separate Breakdown in ELECTRICAL Section)	
6	1001163235	Ref	Installation, Primary Fuel Filter (See Separate Breakdown in this Section)	
7	1001169011	Ref	Installation, Air Cleaner Lines (See Separate Breakdown in this Section)	
8	1001169012	Ref	Installation, Air Cleaner (See Separate Breakdown in this Section)	
9	1001194286	Ref	Installation, Engine ECU (See Separate Breakdown in ELECTRICAL Section)	
10	1062255	1	Strap, Tie	
11	1001163231	Ref	Installation, Fuel Lines (See Separate Breakdown in this Section)	
12	1001163232	Ref	Installation, DEF Lines (See Separate Breakdown in this Section)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-2. ENGINE COMPONENTS, 110HP (ULS)



ART_1001154511

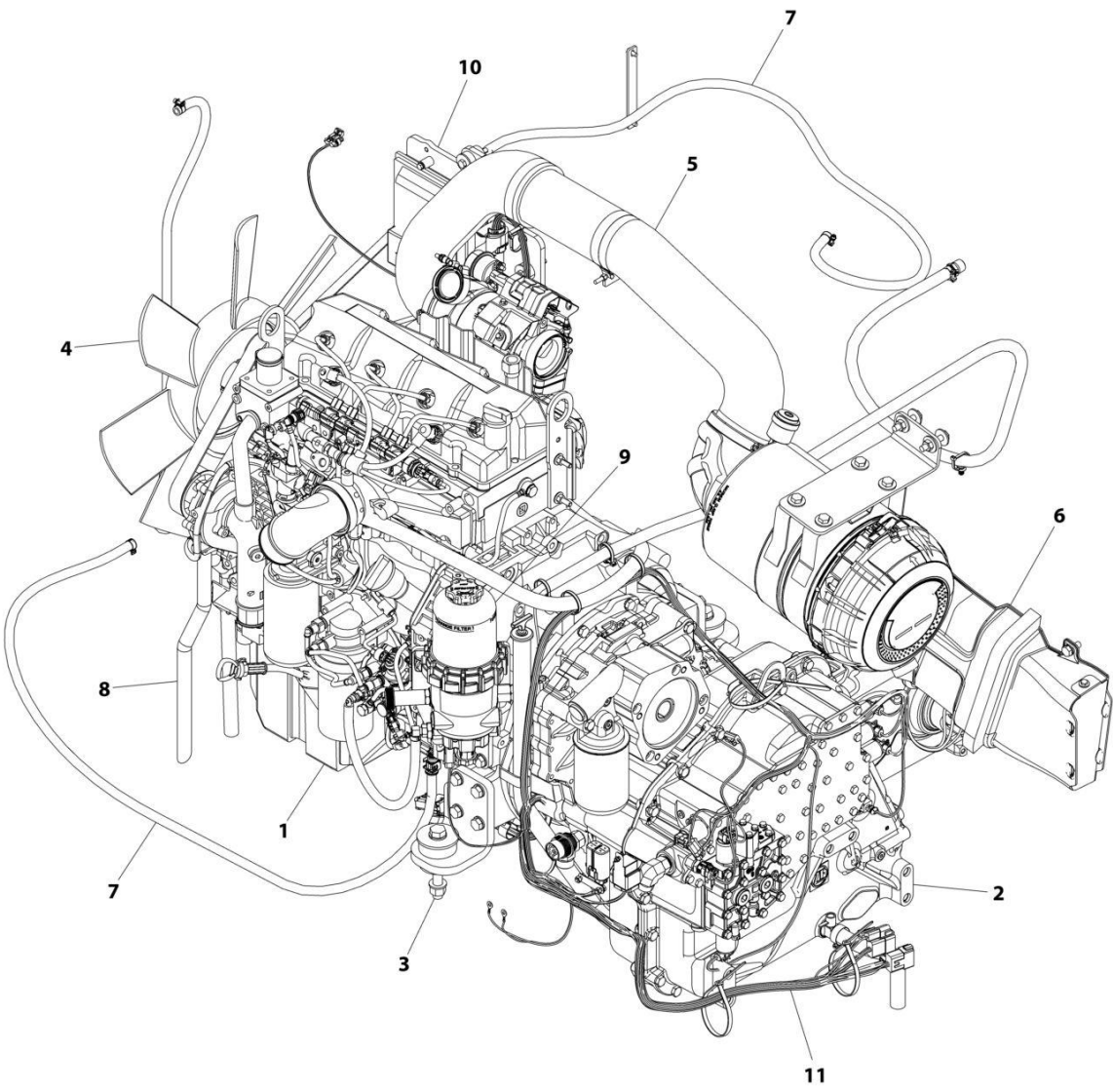
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-2. ENGINE COMPONENTS, 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001154511	Ref	Engine, QSF 3.8L (if equipped for ULS)	W
	70026220	1	Assembly, Secondary Fuel Filter (includes shell, seal and cartridge)	
	70026453	1	Cartridge, Fuel Filter	
	70031350	1	Rail, Fuel	
	70031351	1	Sensor, Fuel Pressure	
	70031352	1	Valve, Fuel Pressure Relief Valve	
	70026223	1	Pan, Oil	
	70026224	1	Seal, Oil Pan	
	70026225	1	Plug, Oil Pan	
	70026226	1	Seal, Oil Pan Plug	
	1001128594	1	Starter	
	70026228	1	Filler Cap, Valve Cover	
	70026229	1	Fan Belt, V-Ribbed	
	70026230	1	Support, Fan	
	70026231	1	Pulley, Fan	
	70026232	1	Alternator	
	70028450	1	Assembly, Primary Fuel Filter, (includes filter head, seal and element)	
	70026235	1	Assembly, Dipstick Oil Level	
	70026236	1	Assembly, Block Heater	
	70026241	1	Assembly, Fuel Filter Plug	
	70026237	1	Filter, Oil	
	70023933	1	O-Ring, Oil Pressure Switch	
	70041620	2	Ring, Retaining	
	70041616	1	Bolt, Fan Drive	
	70041617	1	Bearing, Ball	
	70041619	1	Retainer, Fan Hub	
	1322039	1	Spacer, Fan Pilot	
	1321094	16	Bolt, Oil Pan	
	70024016	1	Cap, Side Oil Fill	
	70022634	1	Flywheel w/Ring Gear	
	70023736	1	Ring Gear, Flywheel	
	1322040	1	Plug, Flywheel	
	70030317	1	Connection, Fuel Actuator	
	70030347	1	Valve, Exhaust Throttle	
	70031380	1	Harness, ECM	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-3. ENGINE INSTALLATION, 110HP (LS)



ART_1001160396-D

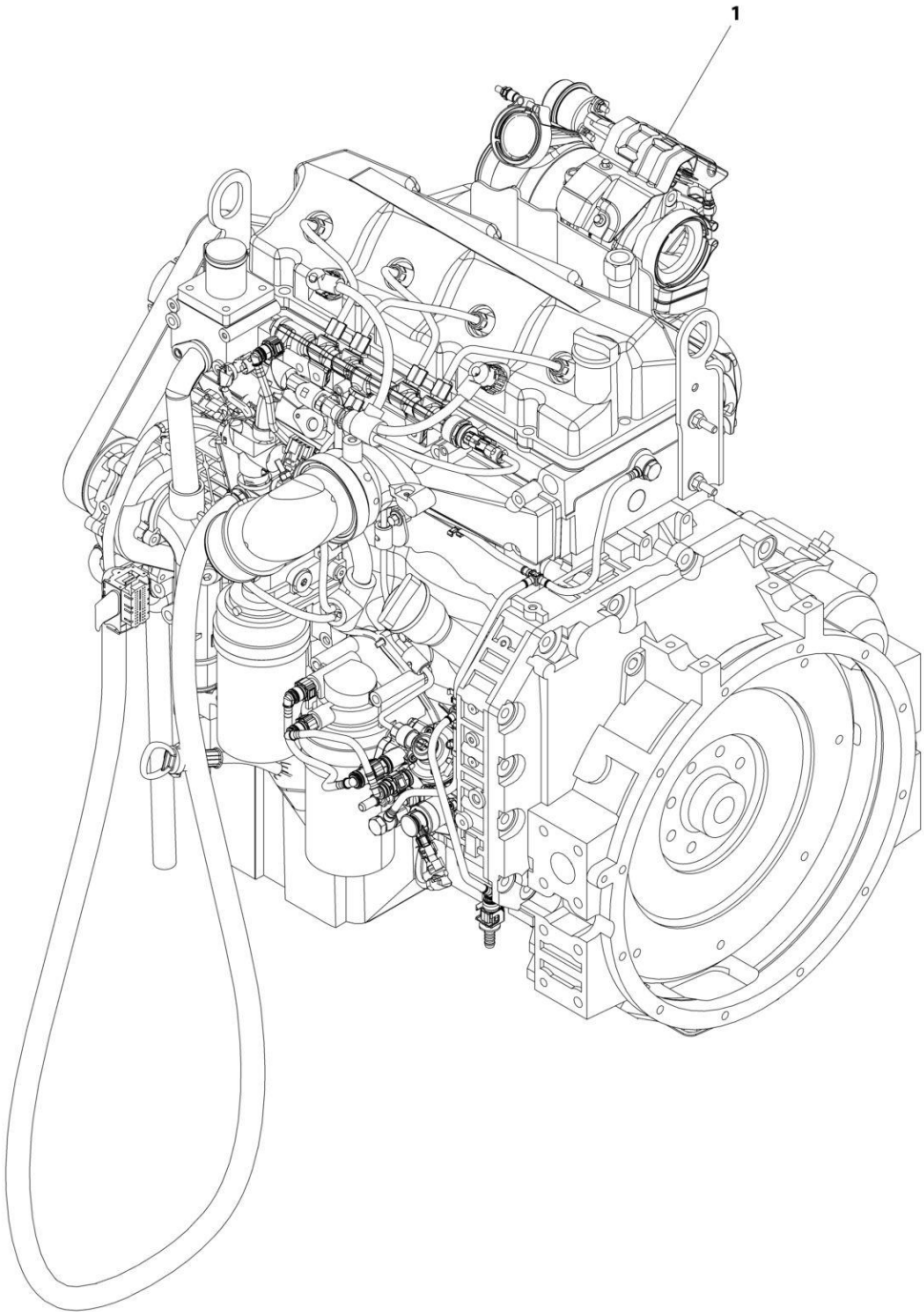
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-3. ENGINE INSTALLATION, 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160396	Ref	Engine Installation, 110HP (LS)	D
1	1001154790	Ref	Engine, 110HP (LS) (See Separate Breakdown in this Section)	
2	1001161664	Ref	Installation, Transmission (See Separate Breakdown in DRIVETRAIN Section)	
3	1001163227	Ref	Installation, Engine Mounting (See Separate Breakdown in this Section)	
4	1001163230	Ref	Installation, Fan (See Separate Breakdown in this Section)	
5	1001163238	Ref	Installation, Air Intake Lines (LS) (See Separate Breakdown in this Section)	
6	1001163239	Ref	Installation, Air Cleaner (LS) (See Separate Breakdown in this Section)	
7	1001163241	Ref	Installation, Fuel Lines (LS) (See Separate Breakdown in this Section)	
8	1001176228	1	Hose, 3.8L	
9	1001180076	Ref	Installation, Primary Fuel Filter (LS) (See Separate Breakdown in this Section)	
10	1001180242	Ref	Installation, Engine ECM (LS) (See Separate Breakdown in ELECTRICAL Section)	
11	1001163242	Ref	Installation, Engine Wiring (LS) (See Separate Breakdown in ELECTRICAL Section)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-4. ENGINE COMPONENTS, 110HP (LS)



ART_1001154790

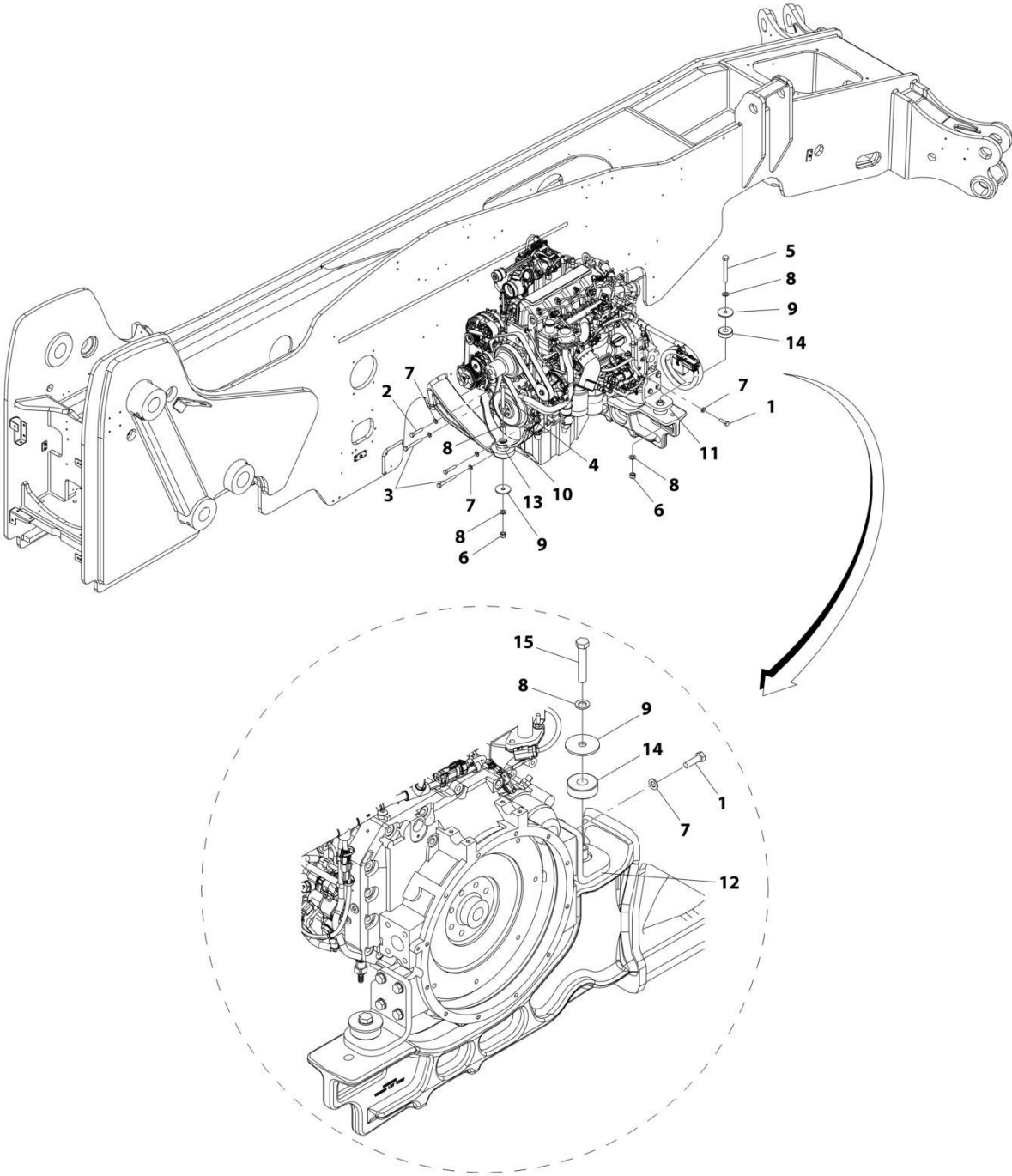
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-4. ENGINE COMPONENTS, 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001154790	Ref	3.8L Engine (LS)	L
	70026800	1	Fuel Filter Assembly	
	70026801	1	Fuel Filter Element	
	70026222	1	Assembly, Flywheel Housing	
	70027281	1	Pan, Oil	
	70026224	1	Seal, Oil Pan	
	70026225	1	Plug, Oil Pan	
	70026226	1	Seal, Oil Pan Plug	
	1001128594	1	Starter	
	70026228	1	Filler Cap, Valve Cover	
	70026229	1	Fan Belt, V-Ribbed	
	70026230	1	Support, Fan	
	70026231	1	Pulley, Fan	
	70026232	1	Alternator	
	70026233	1	Assembly, Primary Fuel Filter	
	70026234	1	Element, Fuel Filter	
	70026235	1	Assembly, Dipstick Oil Level	
	70026241	1	Assembly, Fuel Filter Plug	
	70026237	1	Filter, Oil	
	70041620	2	Ring, Retaining	
	70041616	1	Bolt	
	70041617	1	Bearing, Ball	
	70041619	1	Retainer, Fan Hub	
	1322039	1	Spacer, Fan Pilot	
	1321094	17	Screw	
	70024016	1	Cap, Side Oil Fill	
	70022634	1	Flywheel w/Ring Gear	
	70023736	1	Ring Gear, Flywheel	
	1322040	1	Plug, Flywheel	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-5. ENGINE MOUNTING INSTALLATION



ART_1001163227-H

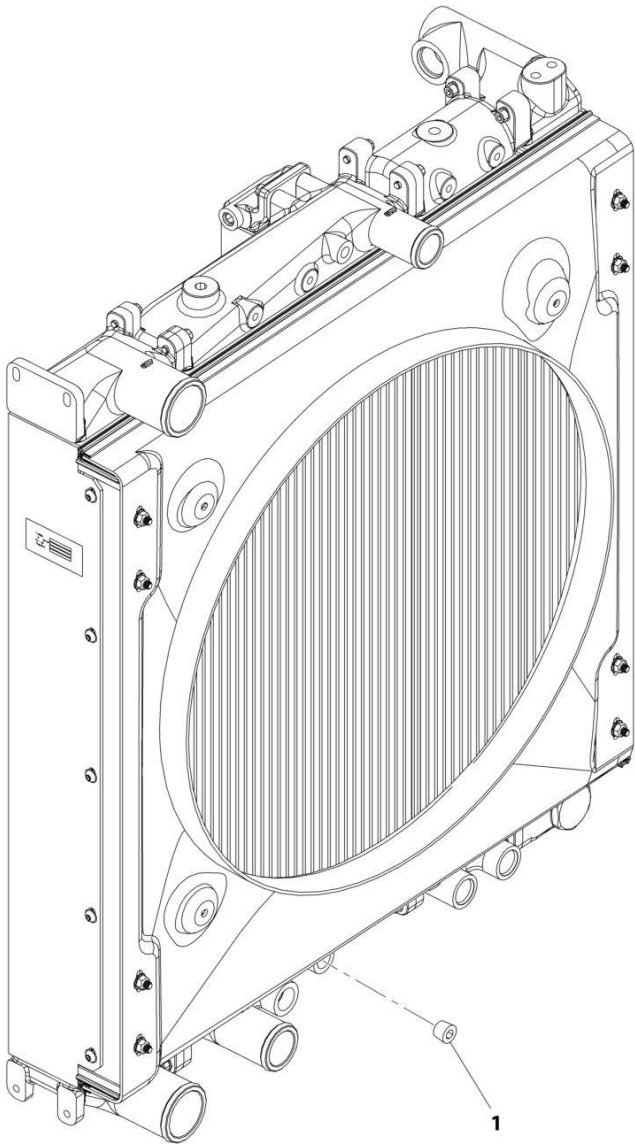
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-5. ENGINE MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163227	Ref	Engine Mounting Installation	H
1	0701216	8	Bolt, M12X40	
2	0701220	2	Bolt, M12X60	
3	0701227	2	Bolt, M12X100	
4	0711629	1	Bolt, M16x120	
5	0711630	1	Bolt, M16X130	
6	3331615	2	Nut, M16	
7	4812100	12	Washer, M12	
8	4812300	5	Washer, M16	
9	7300435	3	Washer	
10	1001160116	1	Bracket, Engine	
11	1001168795	1	Plate, Engine Mount	
12	1001168797	1	Plate, Engine Mount	
13	1001160888	1	Mount, Isolator Engine	
14	1001195518	2	Mount, Isolator Engine	
15	0711626	1	Bolt, M16X90	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-6. ENGINE PARTS INSTALLATION (NO HEATER)



ART_1001163133-D

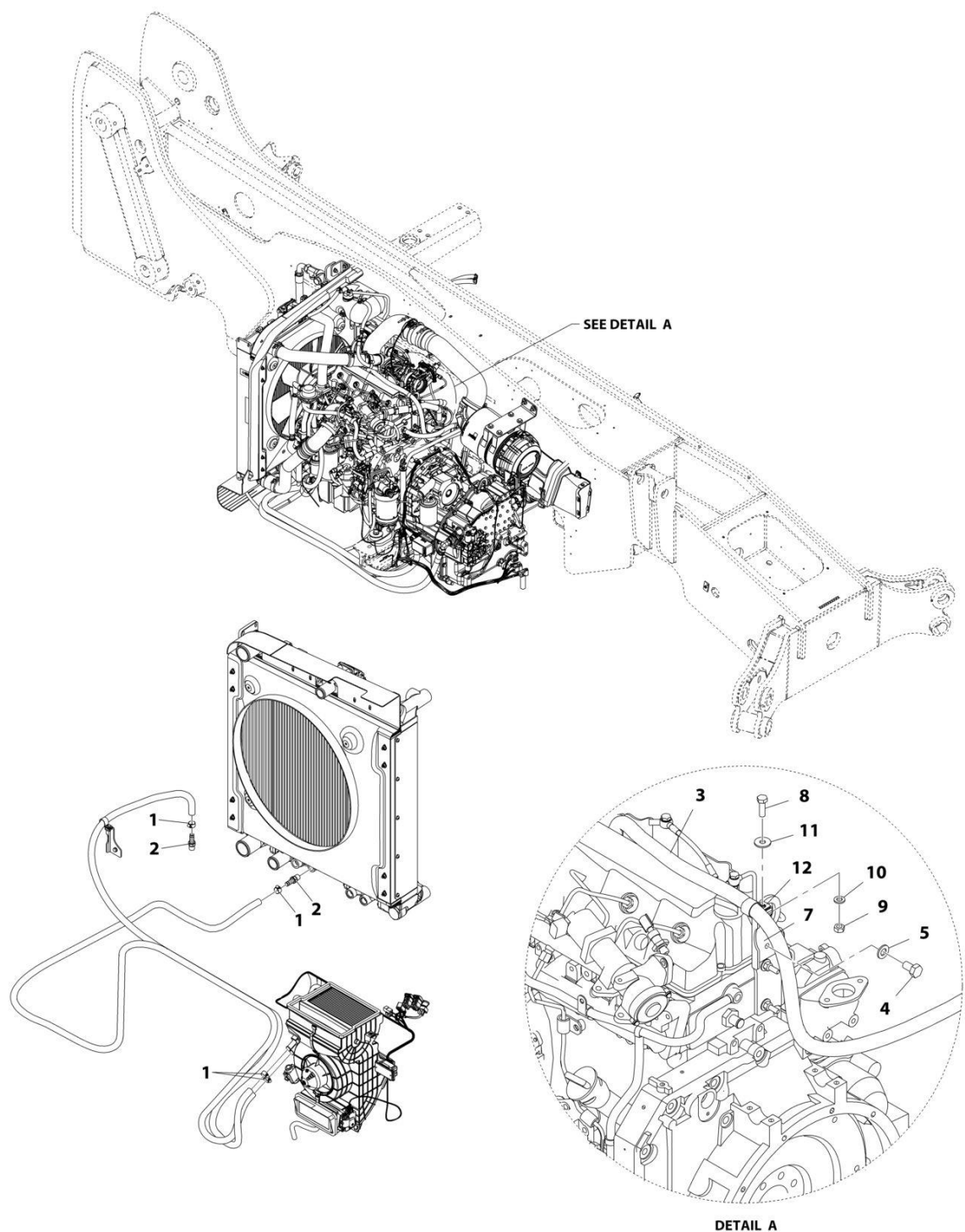
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-6. ENGINE PARTS INSTALLATION (NO HEATER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001163133 2200223	Ref 1	Engine Parts Installation (No Heater) Plug	D

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-7. ENGINE PARTS INSTALLATION (HEATER)



ART_1001163134-J

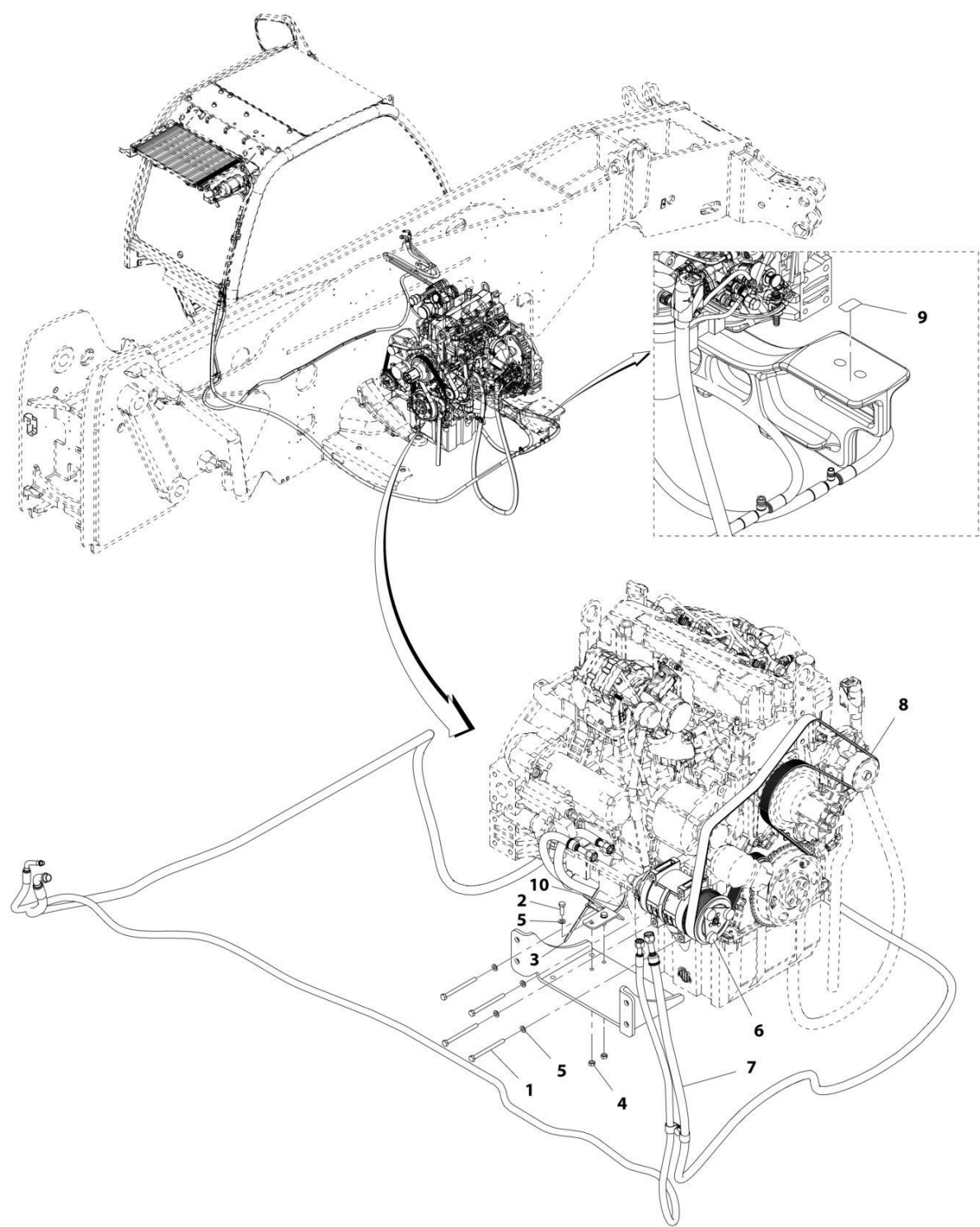
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-7. ENGINE PARTS INSTALLATION (HEATER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163134	Ref	Engine Parts Installation (Heater)	J
1	8410009	4	Clamp, Gear	
2	1001104685	2	Pipe	
3	82033995	7 m	Hose	
4	0760807	1	Bolt, M8X14	
5	4811900	1	Washer, M8	
7	1001200555	1	Bracket	
8	0700610	1	Bolt, M6X20	
9	3290601	1	Nut, M6X1	
10	4811700	1	Washer, M6	
11	4811702	1	Washer, M6	
12	8406201	1	Clip	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-8. A/C PUMP INSTALLATION (LS)



ART_1001206448-A

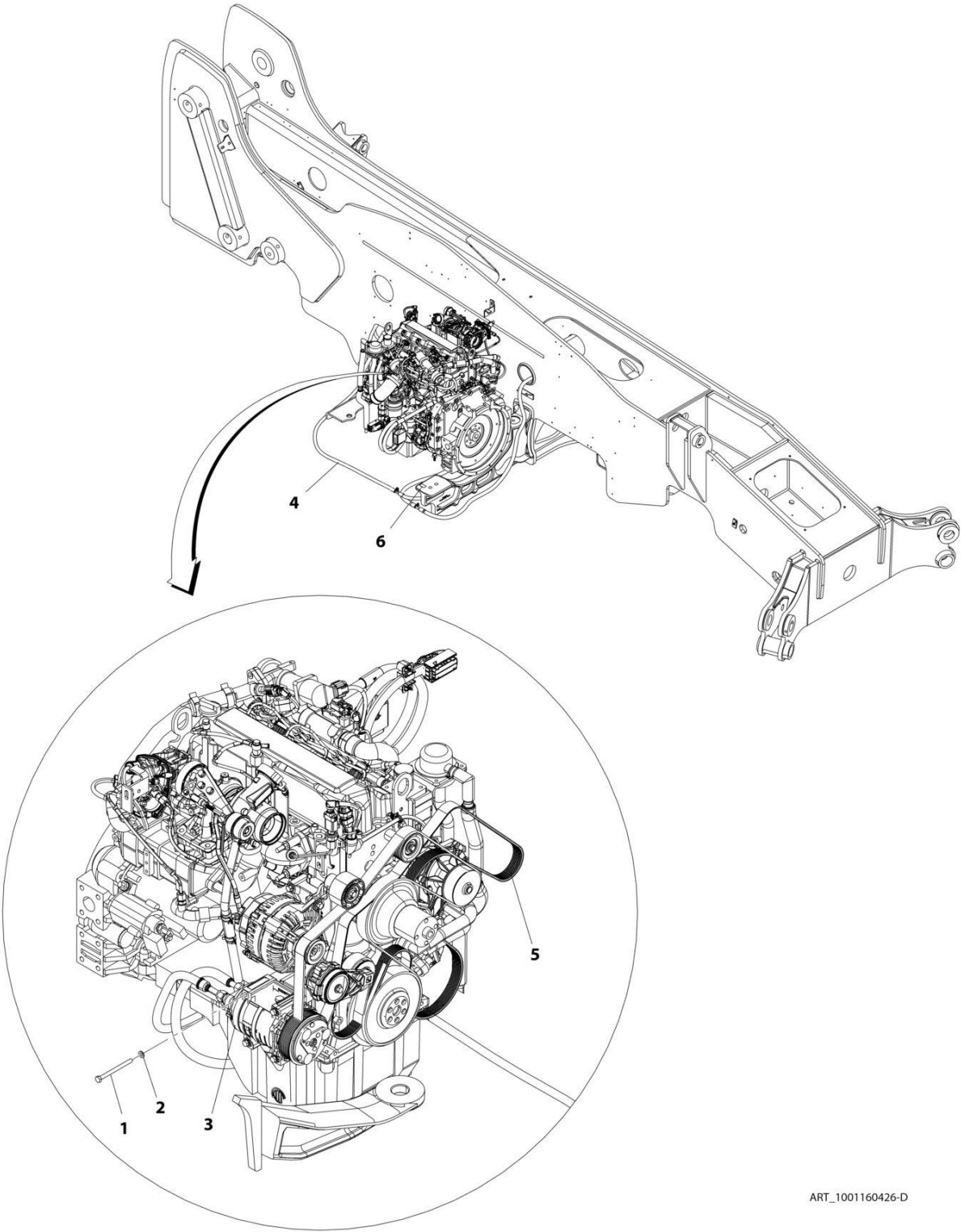
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-8. A/C PUMP INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206448	Ref	A/C Pump Installation (LS)	A
1	0700827	4	Bolt, M8X100	
2	0760812	2	Bolt, M8X25	
3	1062255	1	Strap, Tie	
4	3290801	2	Nut, M8X1.25 Grade 8	
5	4811900	6	Washer, M8	
6	1001157663	1	Compressor, A/C	
7	1001163254	1	Installation, A/C Lines (See Separate Breakdown in this Section)	
8	1001167357	1	Belt	
9	1001193026	1	Decal, A/C Refrigerant	
10	1001206332	1	Bracket	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-9. A/C PUMP INSTALLATION (ULS)



ART_1001160426-D

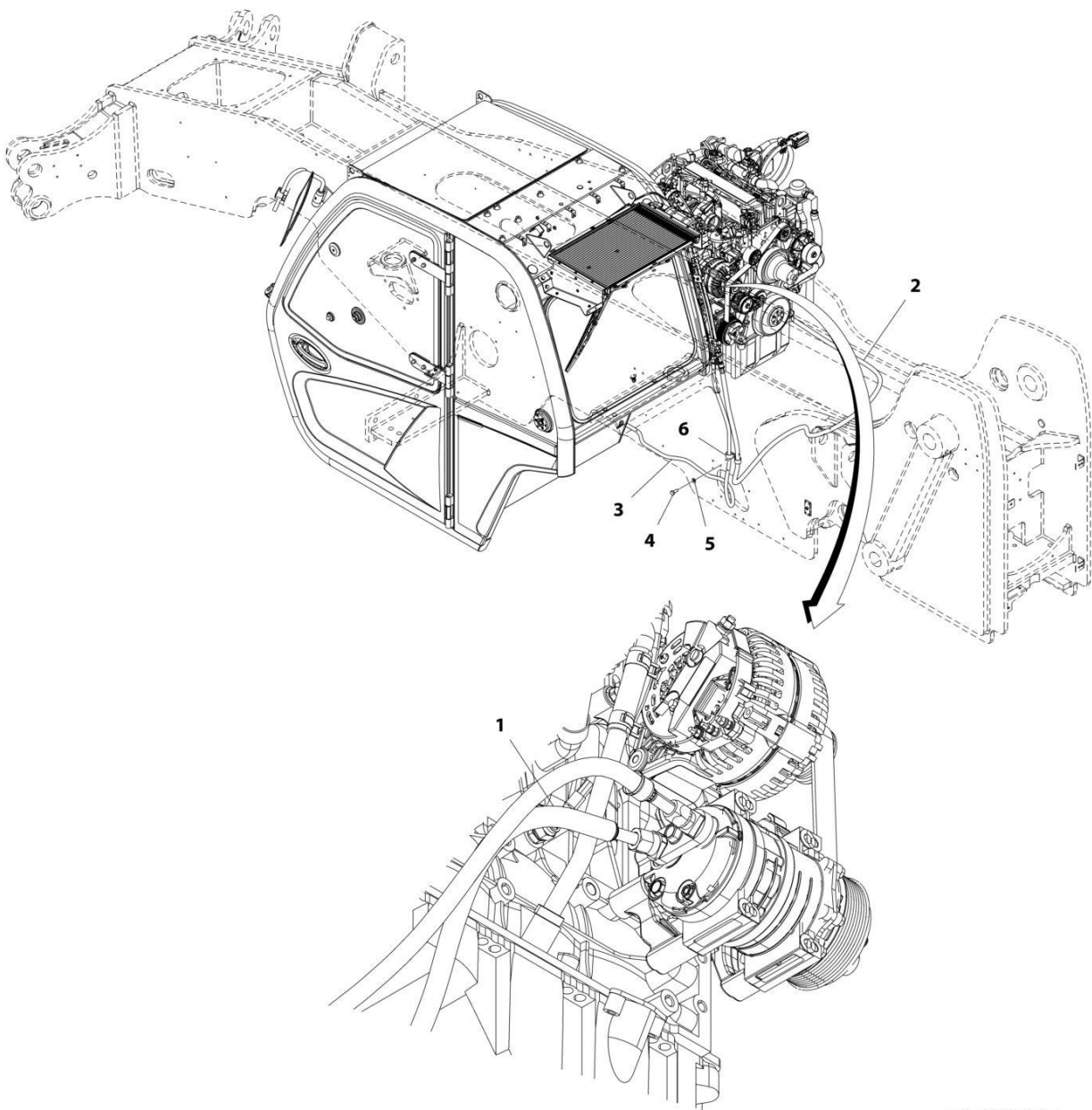
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-9. A/C PUMP INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160426	Ref	A/C Pump Installation (ULS)	D
1	0700827	4	Bolt, M8X100	
2	4811900	4	Washer, M8	
3	1001157663	1	Compressor, A/C	
4	1001163254	1	Installation, A/C Lines (See Separate Breakdown in this Section)	
5	1001167357	1	Belt	
6	1001193026	1	Decal, A/C Refrigerant	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-10. A/C LINES INSTALLATION



ART_1001163254-H

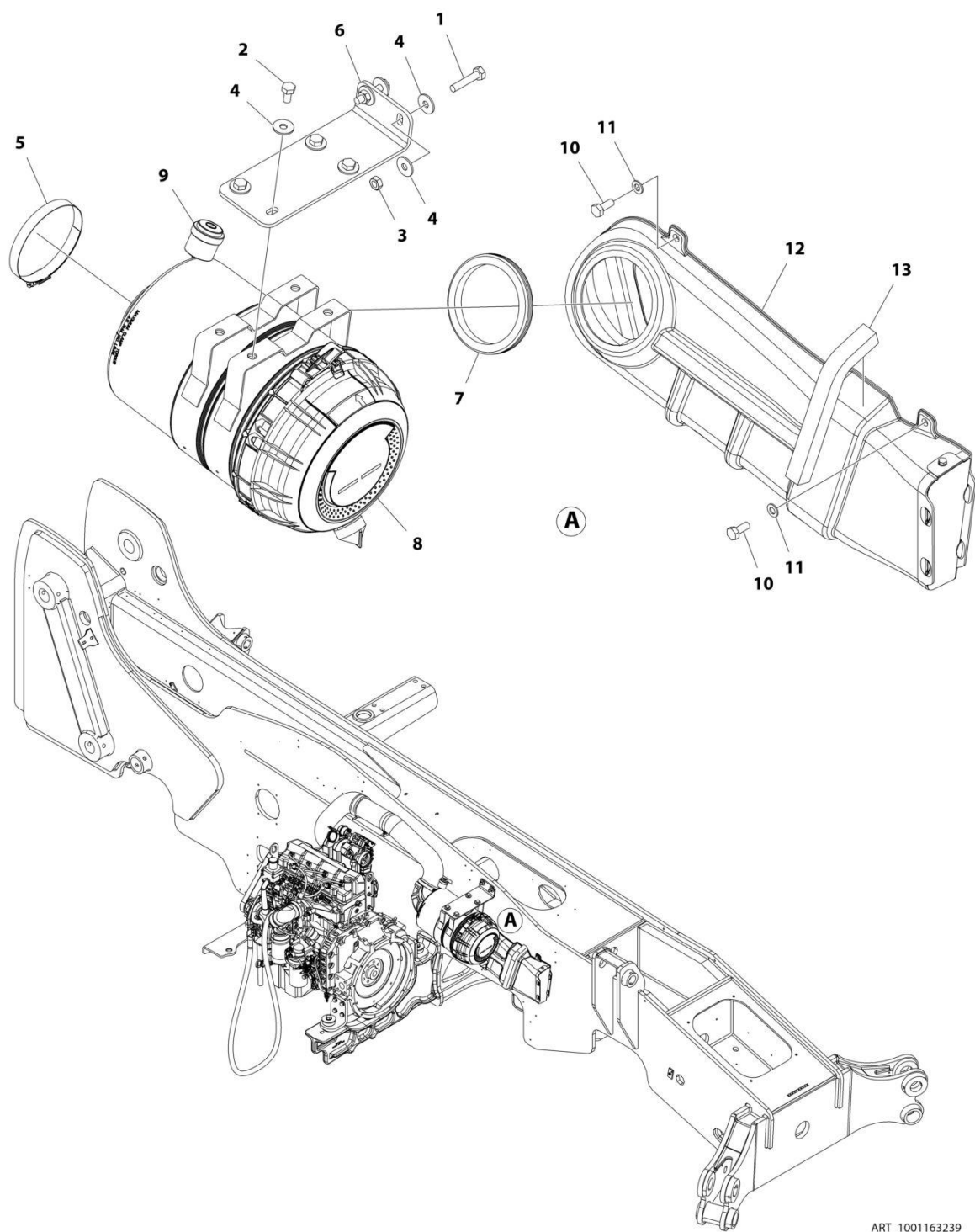
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-10. A/C LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163254	Ref	A/C Lines Installation	H
1	1001196491	1	Hose	
2	1001184017	1	Hose	
3	1001186705	1	Hose	
4	0761012	1	Bolt, M10X25	
5	4812000	1	Washer, M10	
6	8406102	2	Clip	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-11. AIR CLEANER INSTALLATION (LS)



ART_1001163239

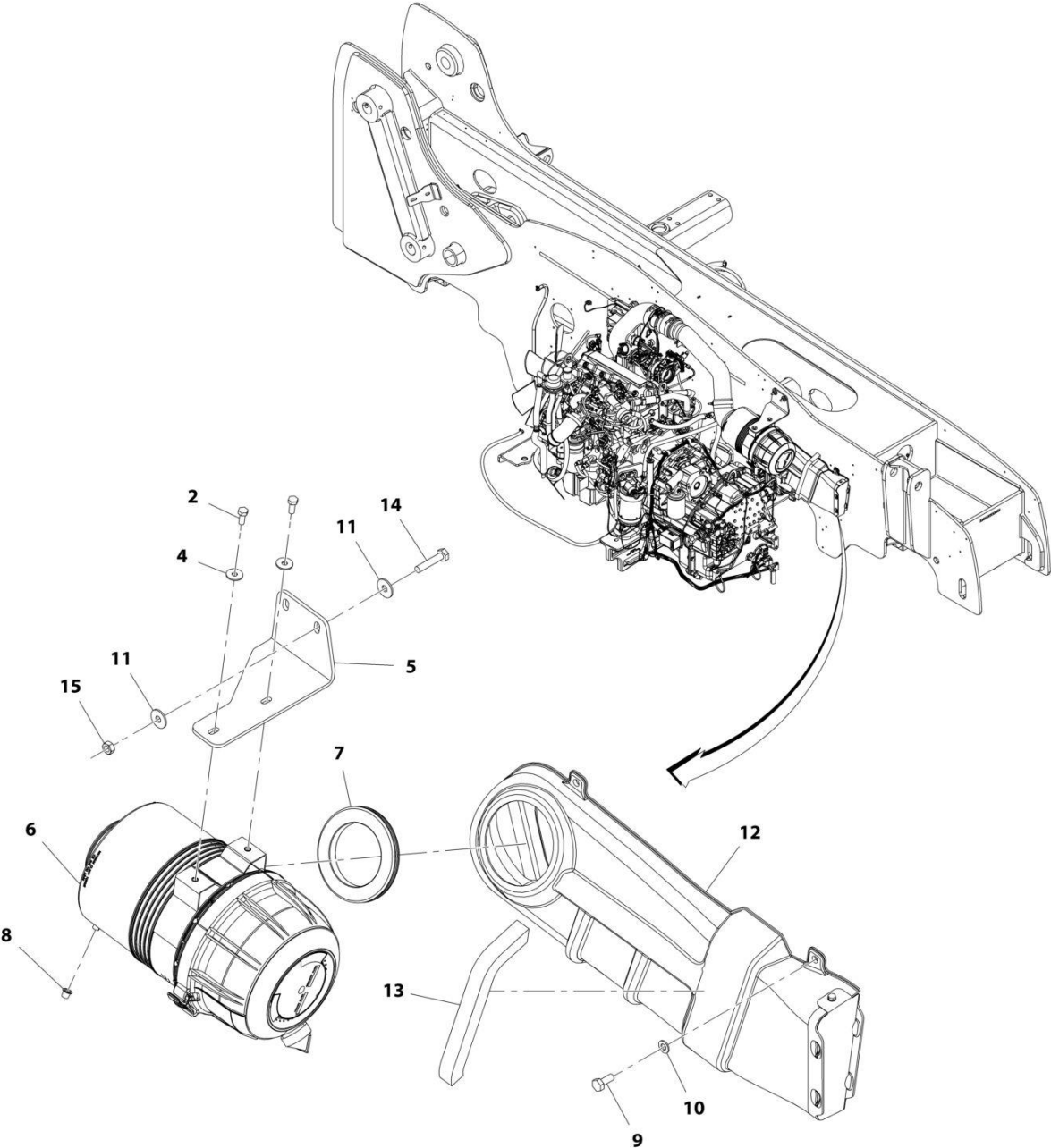
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-11. AIR CLEANER INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163239	Ref	AIR CLEANER INSTALLATION (LS)	F
1	0701018	2	Bolt M10 x 50	
2	0761010	4	Bolt M10 x 20	
3	3291001	2	Nut M10 x 1.5 Grade 8	
4	4812002	8	Washer M10	
5	8405402	1	Clamp	
6	1001194534	1	Bracket, Air Cleaner Mount	
7	1001183831	1	Grommet	
8	1001166565	1	Filter, Air Cleaner (See Separate Breakdown in this Section)	
9	1001166716	1	Indicator	
10	0761012	4	Bolt M10 x 25	
11	4812000	4	Washer M10	
12	1001183835	1	Installation, Duct Air Intake (See Separate Breakdown in this Section)	
13	1001186898	1	Seal	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-12. AIR CLEANER INSTALLATION (ULS)



ART_1001169012-F

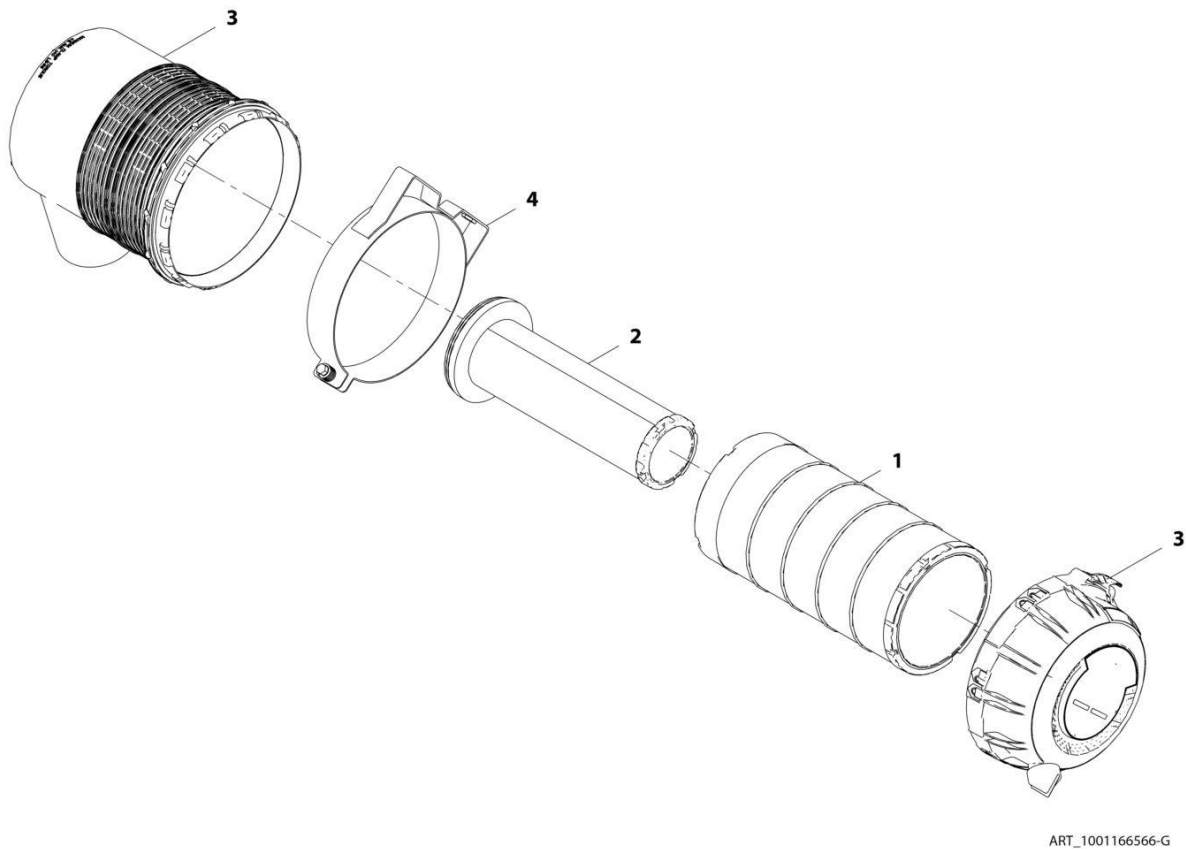
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-12. AIR CLEANER INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169012	Ref	Air Cleaner Installation	F
2	0760810	2	Bolt, M8X20	
4	4811902	2	Washer, M8	
5	1001185278	1	Bracket	
6	1001166566	1	Filter, Air Cleaner (See Separate Breakdown in this Section)	
7	1001183830	1	Grommet, Intake	
8	1001183177	1	Cap, Air Cleaner	
9	0761012	4	Bolt, M10X25	
10	4812000	4	Washer, M10	
11	4812002	4	Washer, M10	
12	1001183835	1	Installation, Air Intake Duct (See Separate Breakdown in this Section)	
13	1001186898	1	Seal	
14	0701018	2	Bolt, M8X50	
15	3291001	1	Nut, M10X1.5 Grade 8	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-13. AIR CLEANER FILTER ASSEMBLY (ULS)



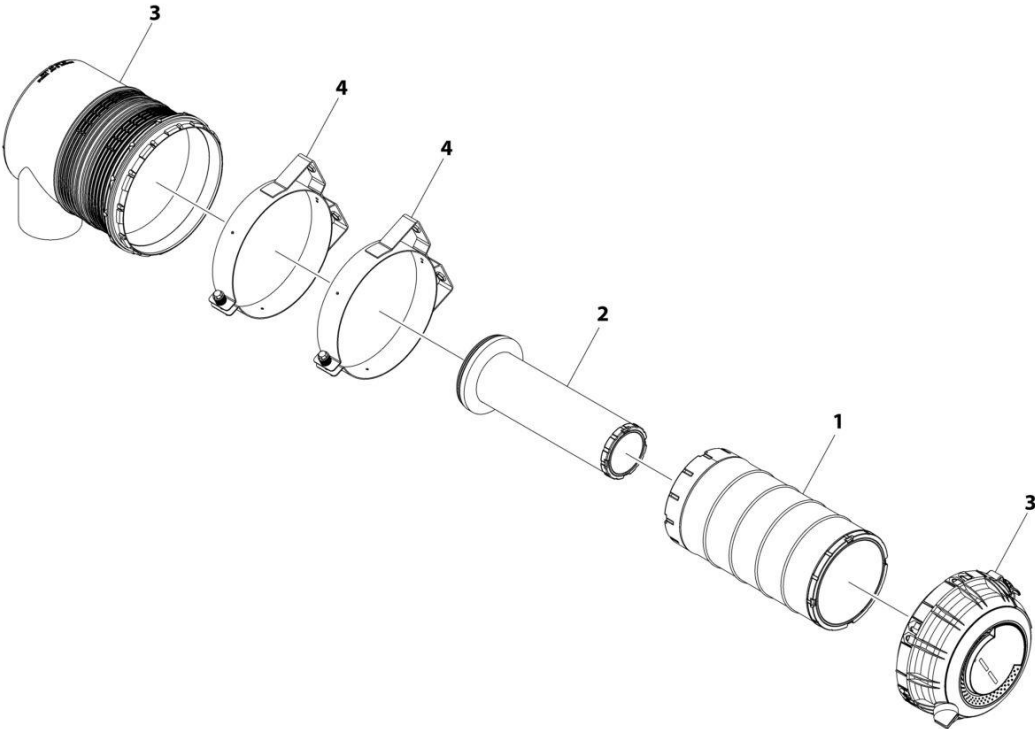
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-13. AIR CLEANER FILTER ASSEMBLY (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166566	Ref	Air Cleaner Assembly (74.4KW)	G
1	70025852	1	Filter, Air Cylindrical Primary	
2	70025853	1	Filter, Air Cylindrical Secondary	
3	70026393	1	Cover, Air Cleaner	
4	70026394	1	Bracket, Mounting Band	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-14. AIR CLEANER ASSEMBLY, 110HP



ART_1001166565

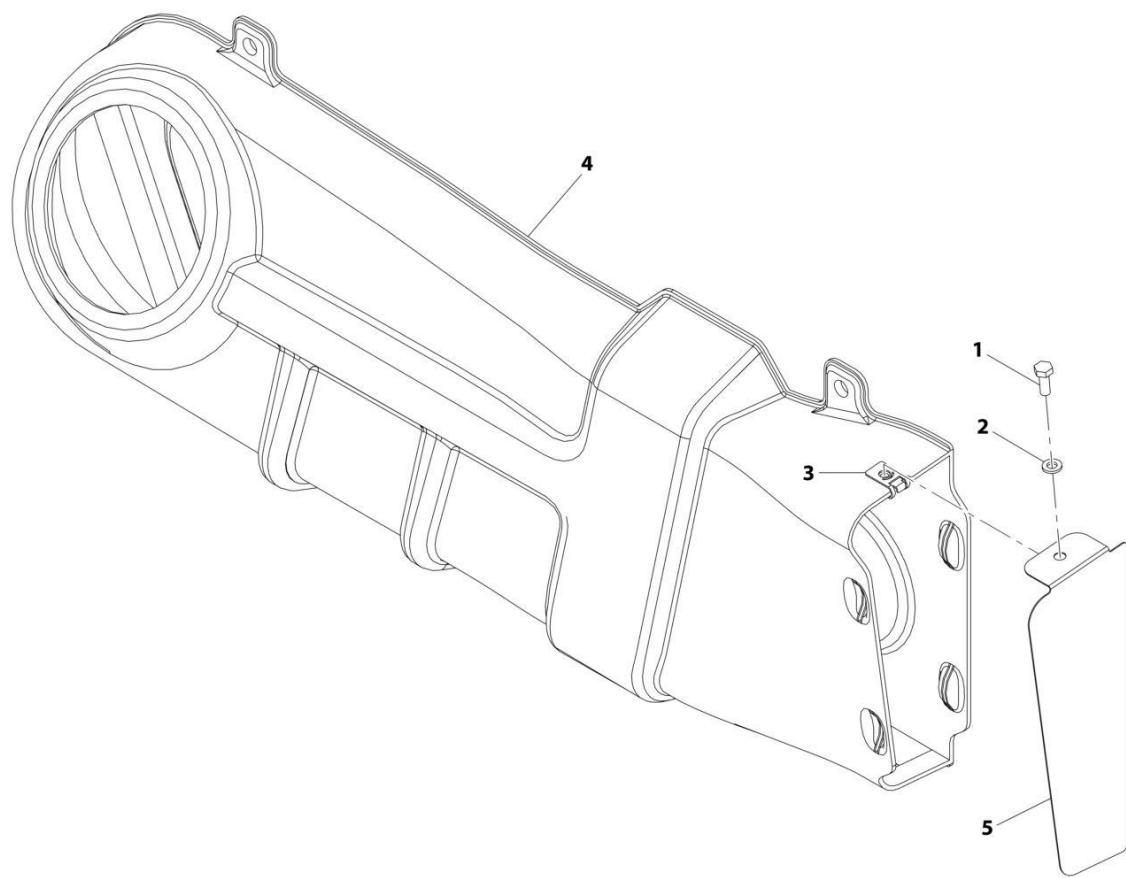
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-14. AIR CLEANER ASSEMBLY, 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166565	Ref	AIR FILTER ASSEMBLY (90/100KW)	F
1	70025850	1	Filter, Cylindrical Air Primary	
2	70025851	1	Filter, Cylindrical Air Secondary	
3	70026395	1	Cover	
4	70026396	2	Bracket	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-15. AIR INTAKE DUCT INSTALLATION



ART_1001183835-C

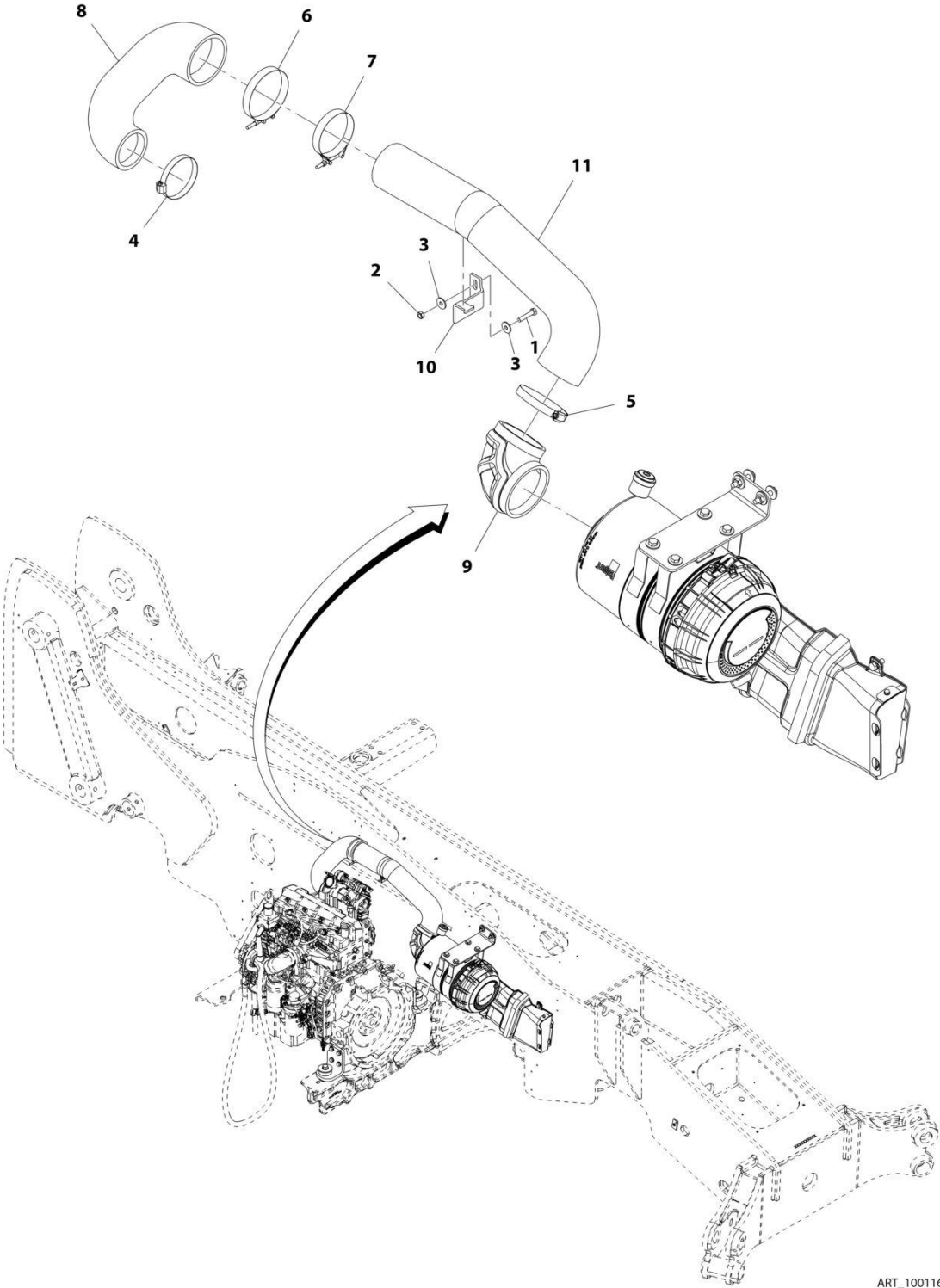
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-15. AIR INTAKE DUCT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183835	Ref	Air Intake Duct Installation	C
1	0760608	1	Bolt, M6X16	
2	4811702	1	Washer, M6	
3	8305919	1	Nut	
4	1001183827	1	Duct	
5	1001183829	1	Plate	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-16. AIR CLEANER LINES INSTALLATION (LS)



ART_1001163238-C

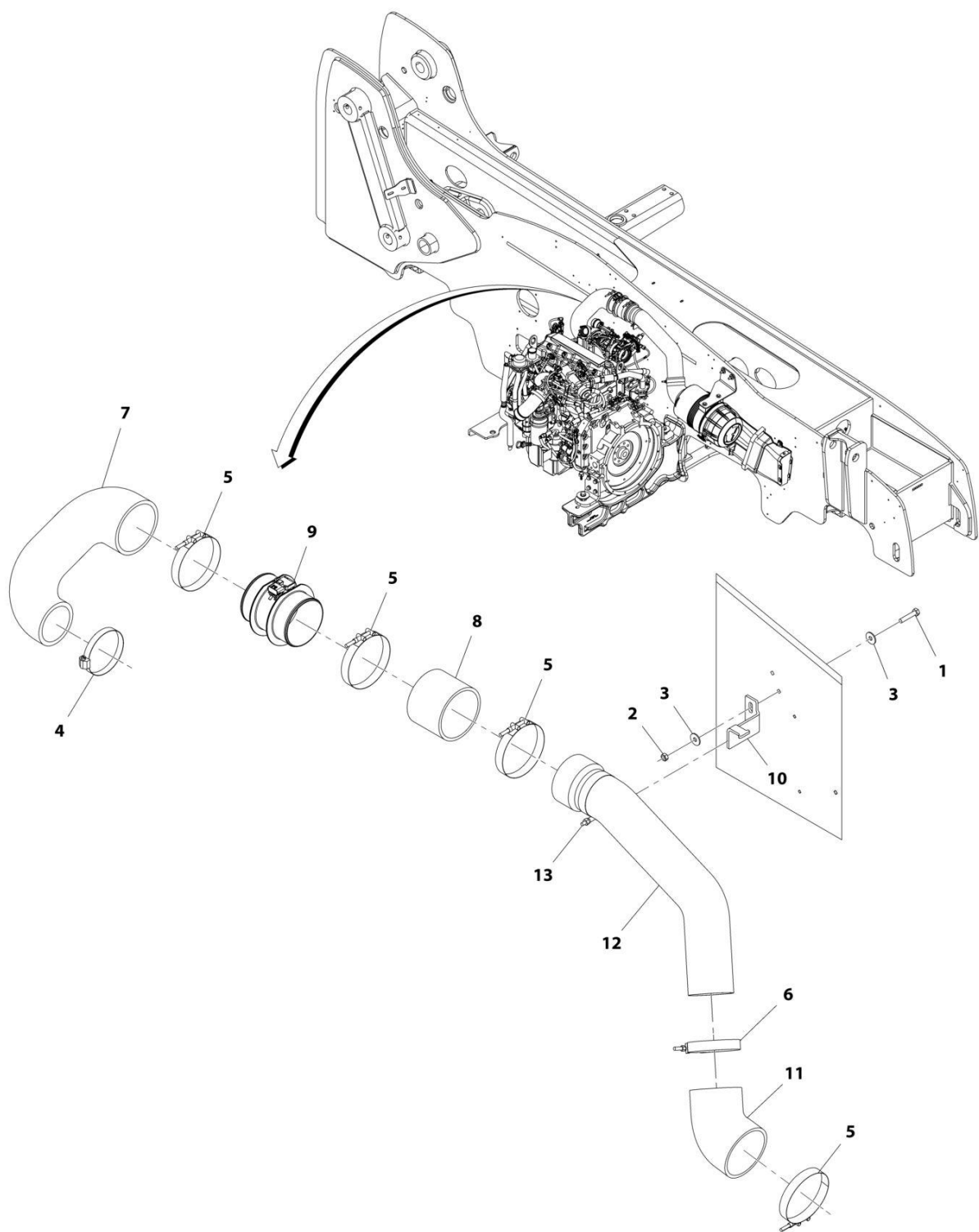
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-16. AIR CLEANER LINES INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163238	Ref	Air Intake Lines Installation (LS)	C
1	0700816	1	Bolt, M8X40	
2	3290801	1	Nut, M8X1.25 Grade 8	
3	4811902	2	Washer, M8	
4	8410011	1	Clamp	
5	10719267	1	Clamp	
6	80933367	1	Clamp	
7	91413025	1	Clamp	
8	1001166449	1	Hose	
9	1001166451	1	Elbow	
10	1001169155	1	Bracket	
11	1001185498	1	Tube	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-17. AIR CLEANER LINES INSTALLATION (ULS)



ART_1001169011-C

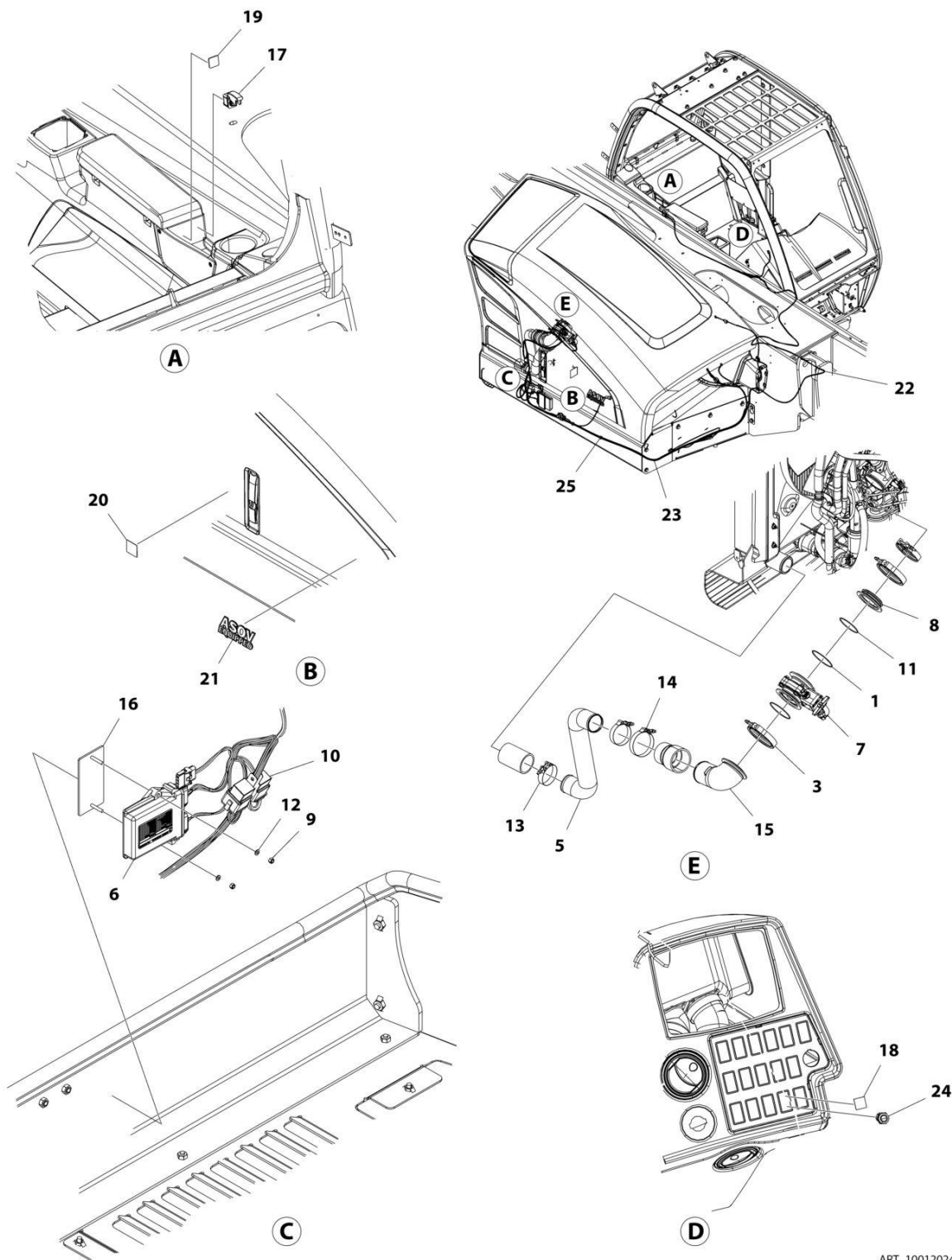
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-17. AIR CLEANER LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169011	Ref	Air Cleaner Lines Installation	C
1	0700816	1	Bolt, M8X40	
2	3290801	1	Nut, M8X1.25 Grade 8	
3	4811902	2	Washer, M8	
4	8410011	1	Clamp	
5	80933367	4	Clamp	
6	91413025	1	Clamp	
7	1001166449	1	Hose	
8	1001166450	1	Hose	
9	1001168771	1	Tube	
10	1001169155	1	Bracket	
11	1001185505	1	Elbow	
12	1001185497	1	Tube	
13	8410007	1	Clamp, T-Bolt	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-18. AIR INTAKE SHUT OFF VALVE INSTALLATION



ART_1001202487_D

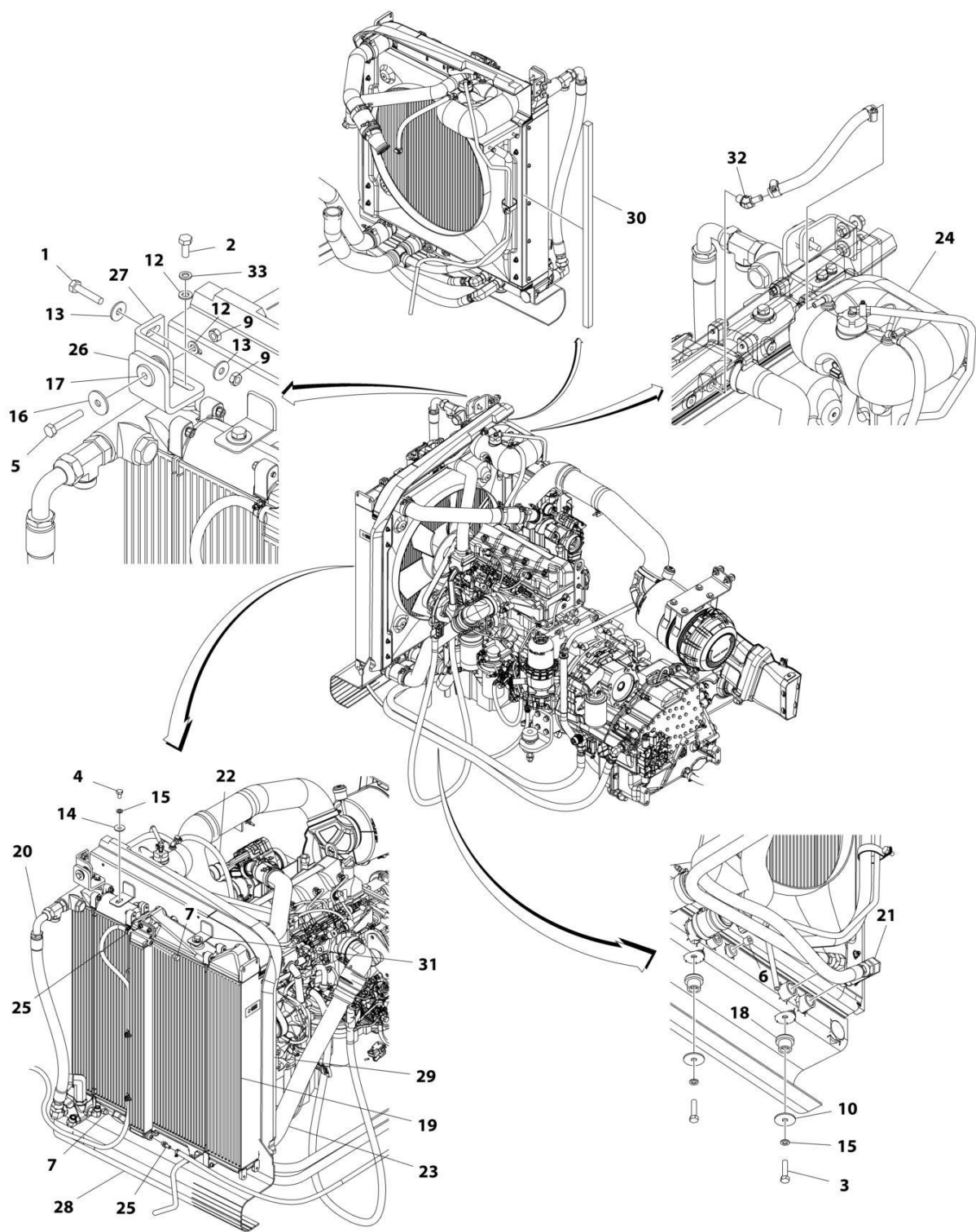
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-18. AIR INTAKE SHUT OFF VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202487	Ref	Air Intake Shut Off Valve Installation	D
1	3790152	2	Ring	
3	1001202247	2	Clamp	
5	1001202491	1	Pipe	
6	1001203181	1	Accessory, Control	
7	1001204032	1	Valve, Air Shut Off (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
8	1001206980	1	Plate	
9	3290505	2	Nut, Lock M5X0.8 Grade 8	
10	3740080	2	Relay	
11	3790151	1	O-Ring	
12	4811600	2	Washer, M5	
13	8405212	2	Clamp	
14	8405305	1	Clamp	
15	1001215476	1	Pipe	
16	1001219082	1	Bracket	
17	1001215941	1	Switch	
18	1001227077	1	Decal, Air Shut Off	
19	1001227964	1	Decal, ASOV Test	
20	1001228273	1	Decal, Air Shut Off	
21	1001228643	1	Decal, ASOV Equipped	
22	1001231407	1	Harness, Cab Air Shut Off Valve (See Separate Breakdown in ELECTRICAL Section)	
23	1001231483	1	Harness, Engine Air Shut Off Valve (See Separate Breakdown in ELECTRICAL Section)	
24	1001239539	1	Lamp	
25	91053419	AR	Strap, Cable	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-19. COOLING PACKAGE INSTALLATION (LS)



ART_1001160402_F

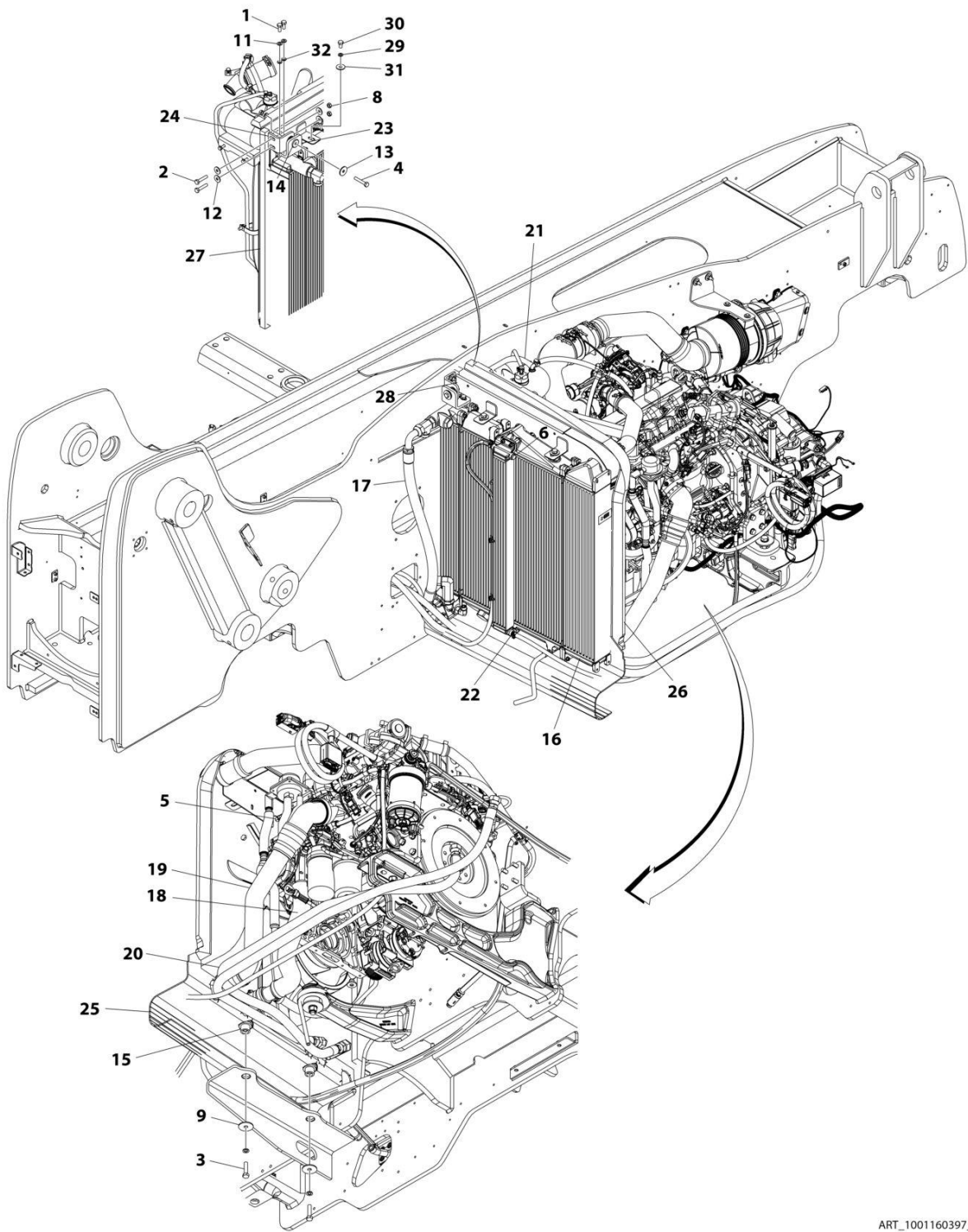
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-19. COOLING PACKAGE INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160402	Ref	Cooling Package Installation (LS)	F
1	0701018	2	Bolt, M10X50	
2	0761012	2	Bolt, M10X25	
3	0761218	2	Bolt, M12X50	
4	0771210	2	Bolt, M12X20 Grade 10.9	
5	0701020	1	Bolt, M10X60	
6	2200223	1	Plug	
7	2220237	2	Plug	
9	3291001	3	Nut, M10X1.5 Grade 8	
10	4740274	4	Washer	
12	4812000	3	Washer, M10	
13	4812002	4	Washer, M10	
14	4812102	2	Washer, M12	
15	4832100	4	Washer, Lock M12	
16	1001155540	2	Washer	
17	8278020	1	Mount	
18	1001114803	2	Mount	
19	1001159347	1	Radiator Cooling Package (See Separate Breakdown in this Section)	
20	1001163082	1	Installation, HOC Lines (See Separate Breakdown in this Section)	
21	1001163247	1	Installation, TOC Lines (See Separate Breakdown in this Section)	
22	1001163248	1	Installation, Coolant Lines (LS) (See Separate Breakdown in this Section)	
23	1001163249	1	Installation, CAC Lines (LS) (See Separate Breakdown in this Section)	
24	1001167078	1	Installation, Surge Tank (See Separate Breakdown in this Section)	
25	1001168030	2	Barb, Hose	
26	1001169173	1	Bracket	
27	1001169174	1	Bracket	
28	1001169965	1	Panel, Air Dam	
29	1001173452	1	Gasket	
30	1001173457	1	Gasket	
31	1001173546	1	Bracket, Air Baffle	
32	1001174356	1	Barb, Hose	
33	4832000	2	Washer, Lock M10	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-20. COOLING PACKAGE INSTALLATION (ULS)



ART_1001160397_I

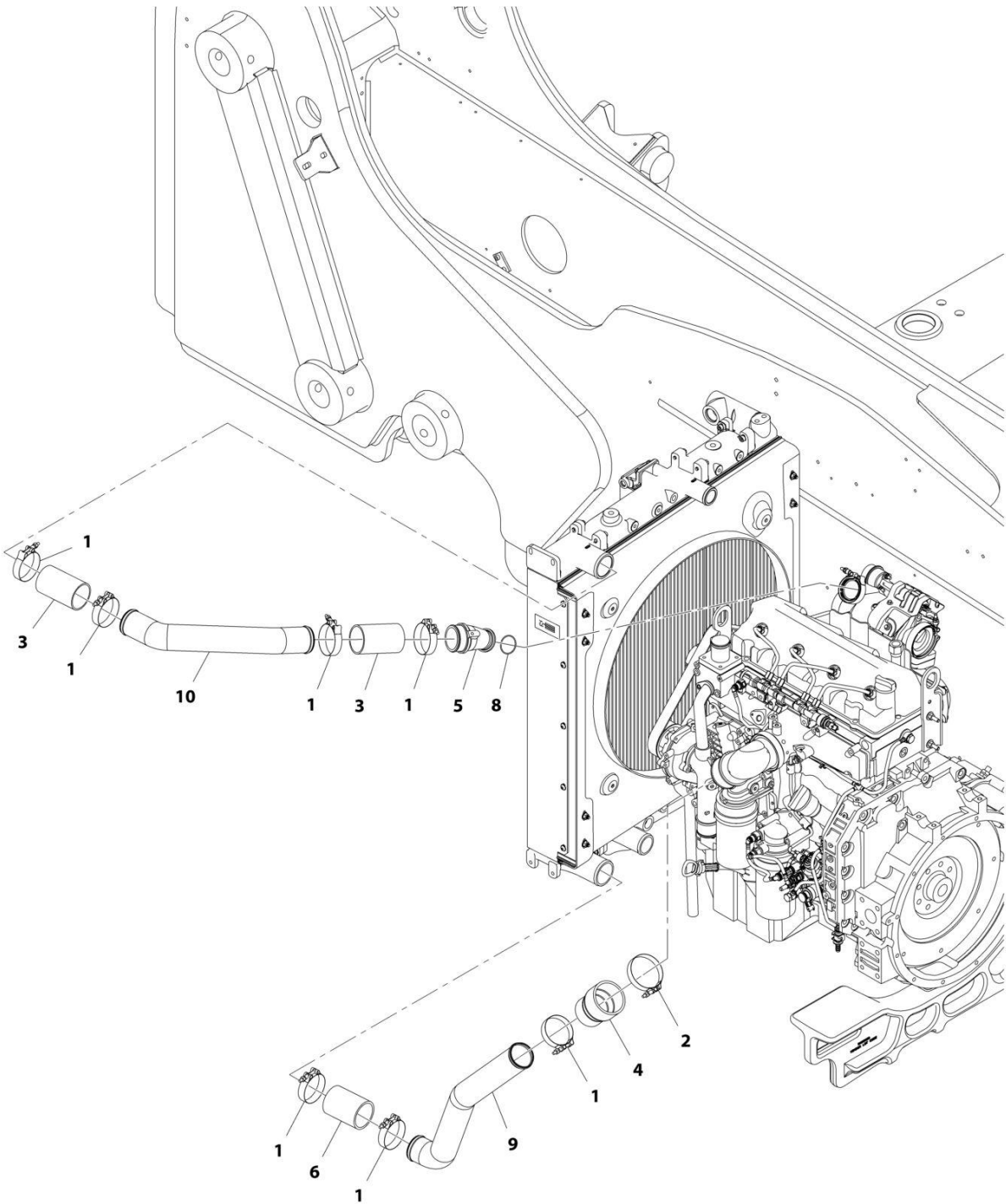
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-20. COOLING PACKAGE INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160397	Ref	Cooling Package Installation (ULS)	I
1	0761012	2	Bolt, M10X25	
2	0701018	2	Bolt, M10X50	
3	0761218	2	Bolt, M12X50	
4	0701020	1	Bolt, M10X60	
5	1001174356	1	Barb, Hose	
6	2220237	2	Plug	
8	3291001	3	Nut, M10X1.5 Grade 8	
9	4740274	4	Washer	
11	4812000	3	Washer, M10	
12	4812002	4	Washer, M10	
13	1001155540	2	Washer	
14	8278020	1	Mount	
15	1001114803	2	Mount	
16	1001159347	1	Radiator Cooling Package (See Separate Breakdown in this Section)	
17	1001163082	1	Installation, HOC Lines (See Separate Breakdown in this Section)	
18	1001163245	1	Installation, Coolant Lines (ULS) (See Separate Breakdown in this Section)	
19	1001163246	1	Installation, CAC Lines (ULS) (See Separate Breakdown in this Section)	
20	1001163247	1	Installation, TOC Lines (See Separate Breakdown in this Section)	
21	1001167078	1	Installation, Surge Tank (See Separate Breakdown in this Section)	
22	1001168030	2	Barb, Hose	
23	1001169173	1	Bracket	
24	1001169174	1	Bracket	
25	1001169965	1	Panel	
26	1001173452	1	Seal, Foam Gasket	
27	1001173457	1	Seal, Foam Gasket	
28	1001173546	1	Bracket	
29	4832100	4	Washer, Lock M12	
30	0761210	2	Bolt, M12X20	
31	4812102	2	Washer, M12	
32	4832000	2	Washer, Lock M10	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-21. CAC LINES INSTALLATION (LS)



ART_1001163249-C

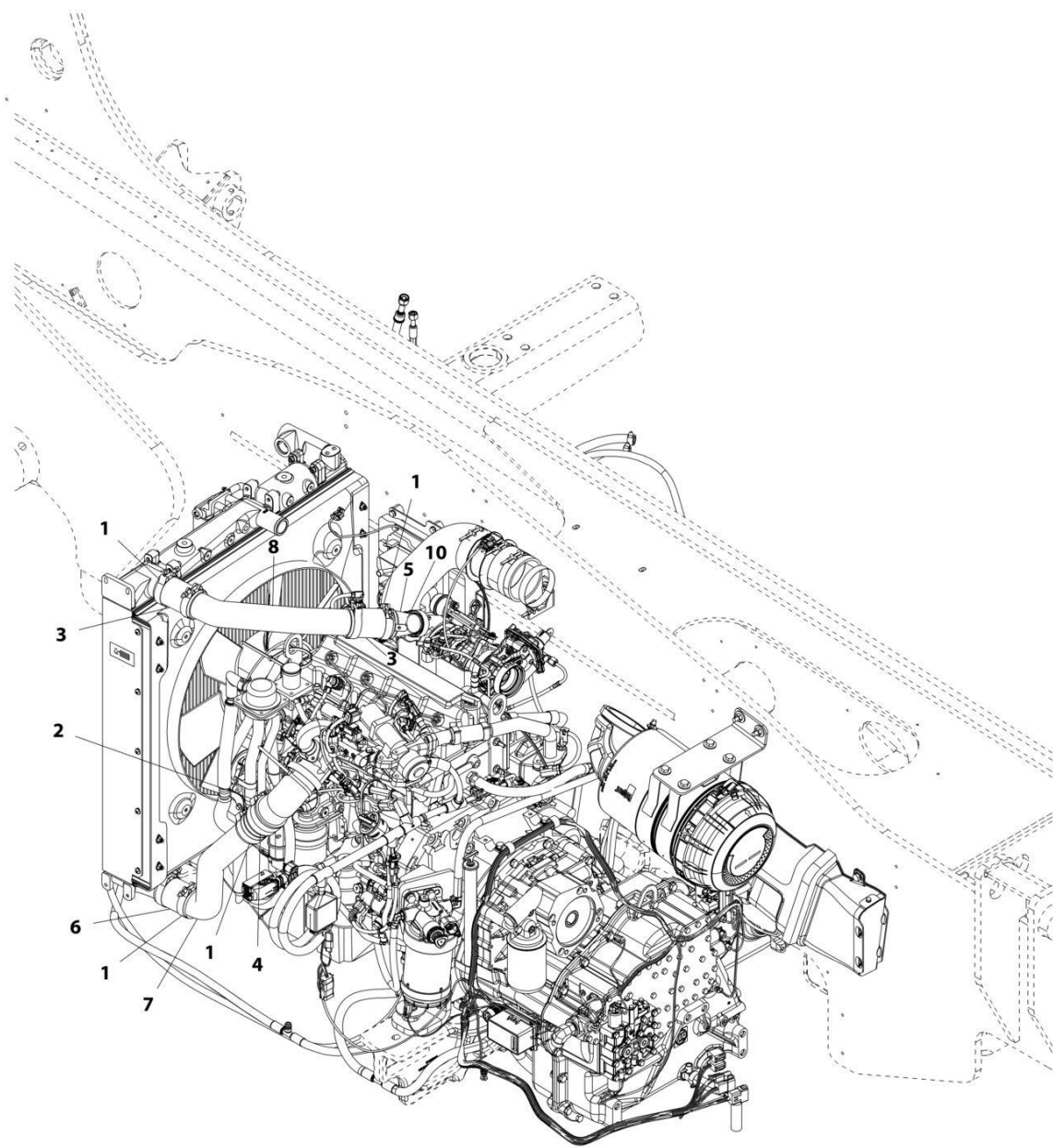
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-21. CAC LINES INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163249	Ref	CAC Lines Installation (LS)	C
1	8405212	7	Clamp, T-Bolt	
2	8405305	1	Clamp, T-Bolt	
3	1001114495	2	Hose	
4	1001138348	1	Hose	
5	1001161920	1	Adapter Mech	
6	1001166416	1	Hose	
8	1001172591	1	O-Ring	
9	1001174832	1	Pipe	
10	1001179376	1	Pipe	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-22. CAC LINES INSTALLATION (ULS)



ART_1001163246-F

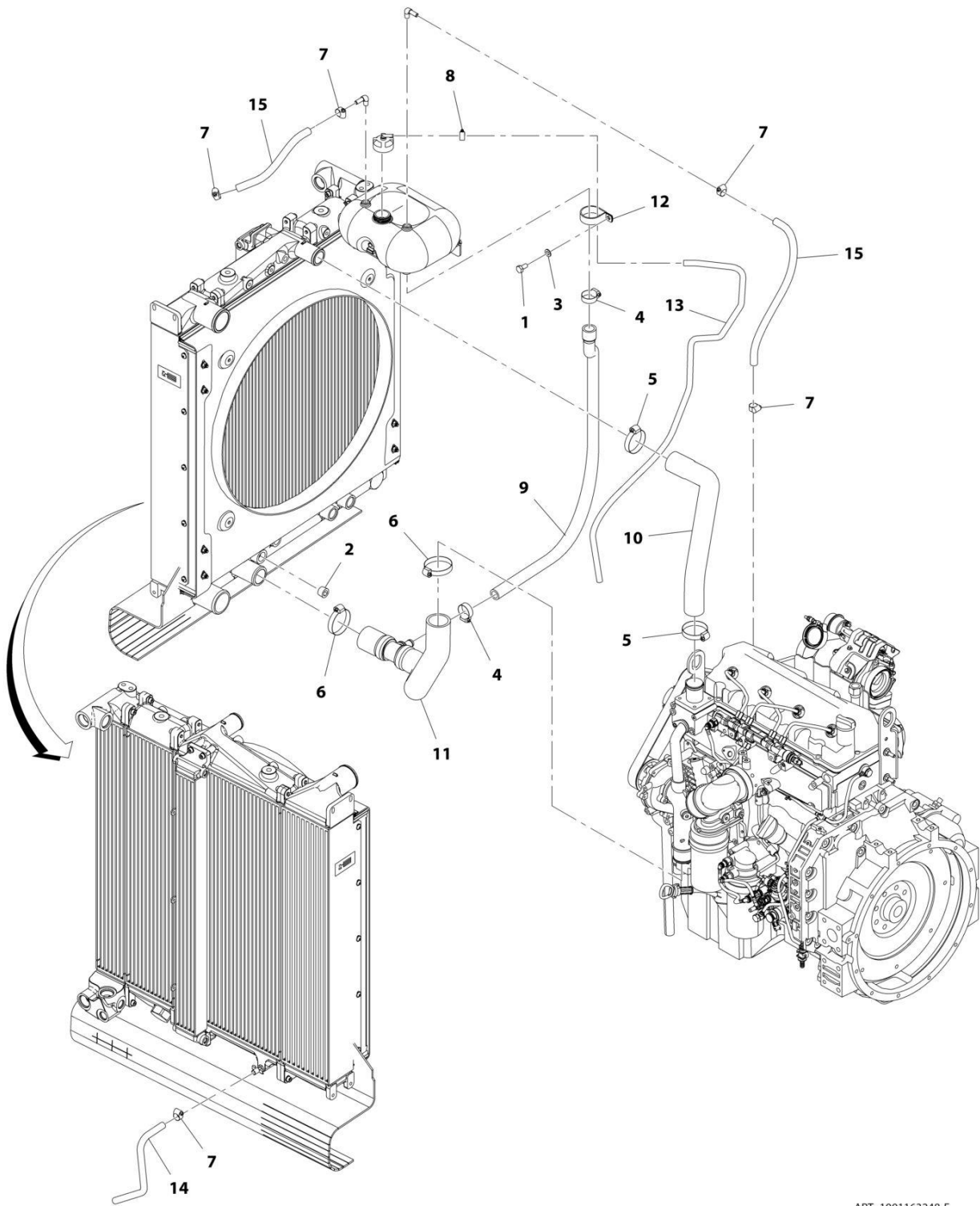
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-22. CAC LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163246	Ref	CAC Lines Installation (ULS)	F
1	8405212	7	Clamp, T-Bolt	
2	8405305	1	Clamp, T-Bolt	
3	1001114495	2	Hose	
4	1001138348	1	Hose	
5	1001161920	1	Adapter Mech	
6	1001166416	1	Hose	
7	1001166925	1	Pipe	
8	1001166993	1	Pipe	
10	1001172591	1	O-Ring	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-23. COOLANT LINES INSTALLATION (LS)



ART_1001163248-F

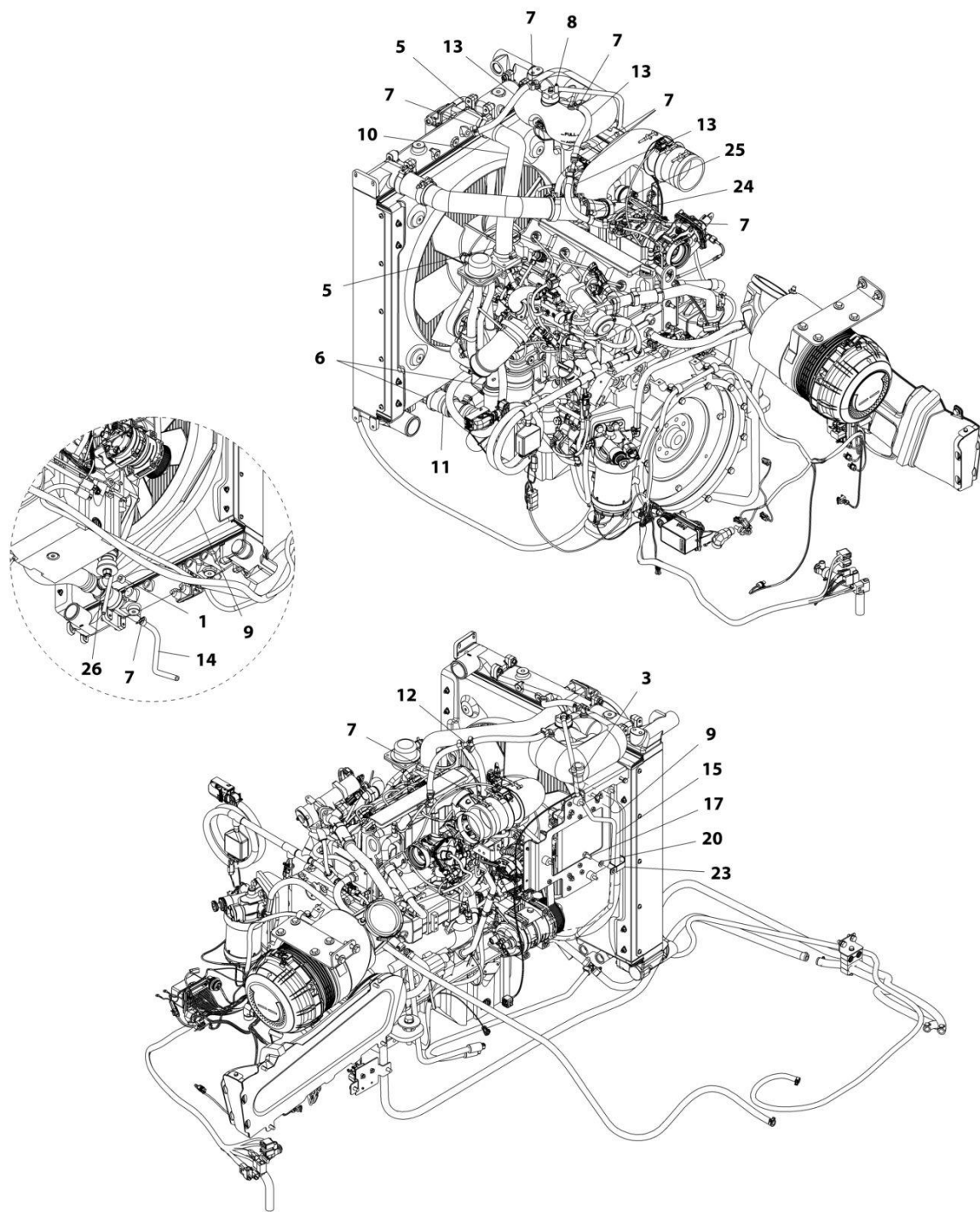
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-23. COOLANT LINES INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163248	Ref	Coolant Lines Installation (LS)	F
1	0761010	1	Bolt, M10X20	
2	2200224	1	Plug	
3	4812000	1	Washer, M10	
4	8405101	2	Clamp, Gear	
5	8405201	2	Clamp, Gear	
6	8405202	2	Clamp, Gear	
7	8410013	5	Clamp, Gear	
8	8405009	1	Clamp, Gear	
9	1001182011	1	Hose	
10	1001166430	1	Pipe	
11	1001182012	1	Hose	
12	1001097588	1	Clamp	
13	1001180542	1680 mm	Hose	
14	1001180553	369 mm	Hose	
15	1001181625	711 mm	Hose	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-24. COOLANT LINES INSTALLATION (ULS)



ART_1001163245-1

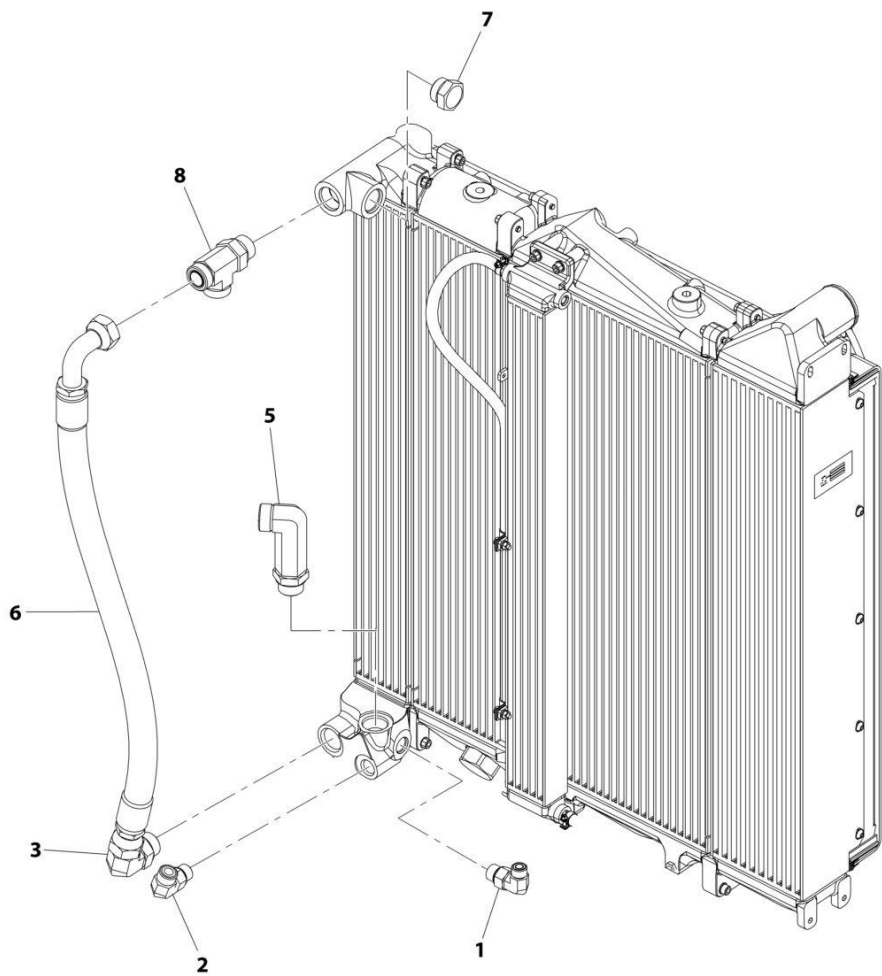
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-24. COOLANT LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163245	Ref	Coolant Lines Installation (ULS)	I
1	2200224	1	Plug	
3	8405101	AR	Clamp, Gear	
5	8405201	2	Clamp, Gear	
6	8405202	2	Clamp, Gear	
7	8410013	9	Clamp, Gear	
8	8405009	1	Clamp, Gear	
9	1001182011	1	Hose	
10	1001166430	1	Pipe	
11	1001182012	1	Hose	
12	1001172953	1	Pipe, Tee	
13	1001181625	1042 mm	Hose	
14	1001180553	370 mm	Hose	
15	1001180542	1680 mm	Hose	
17	0761010	1	Bolt, M10X20	
20	4812000	1	Washer, M10	
23	1001097588	1	Clamp	
24	8410019	1	Clamp, 7/8	
25	0760605	1	Bolt, 6X10	
26	8405007	1	Clamp	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-25. HOC LINES INSTALLATION



ART_1001163082-D

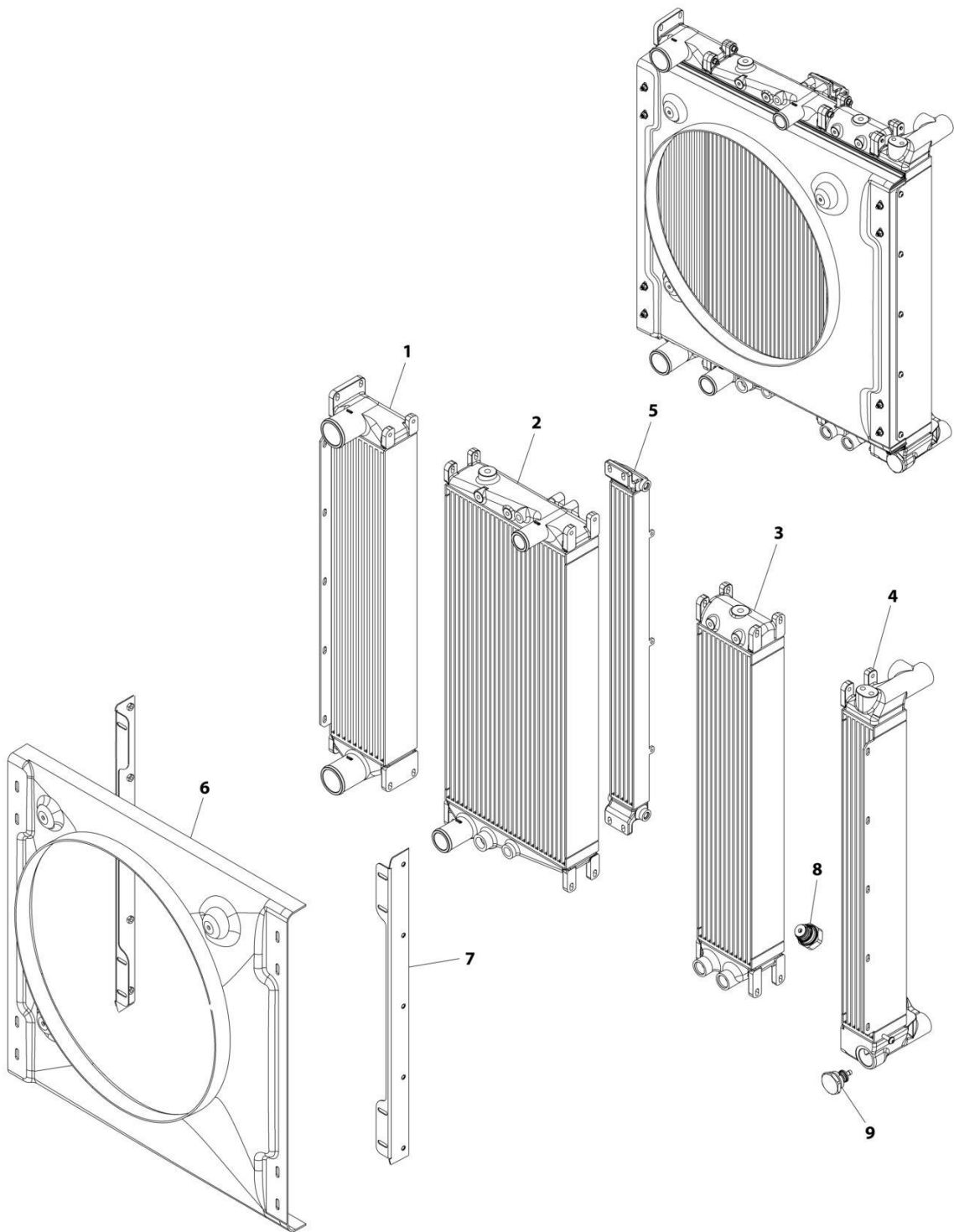
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-25. HOC LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163082	Ref	HOC Lines Installation	D
1	2130810	1	Fitting, ORFS	
2	2131010	1	Fitting, ORFS	
3	2131616	1	Fitting, ORFS	
5	2170216	1	Fitting, ORFS	
6	1001163723	1	Hose	
7	2220242	1	Fitting	
8	2170316	1	Fitting, Tee ORFS	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-26. RADIATOR COOLING PACKAGE



ART_1001159347_H

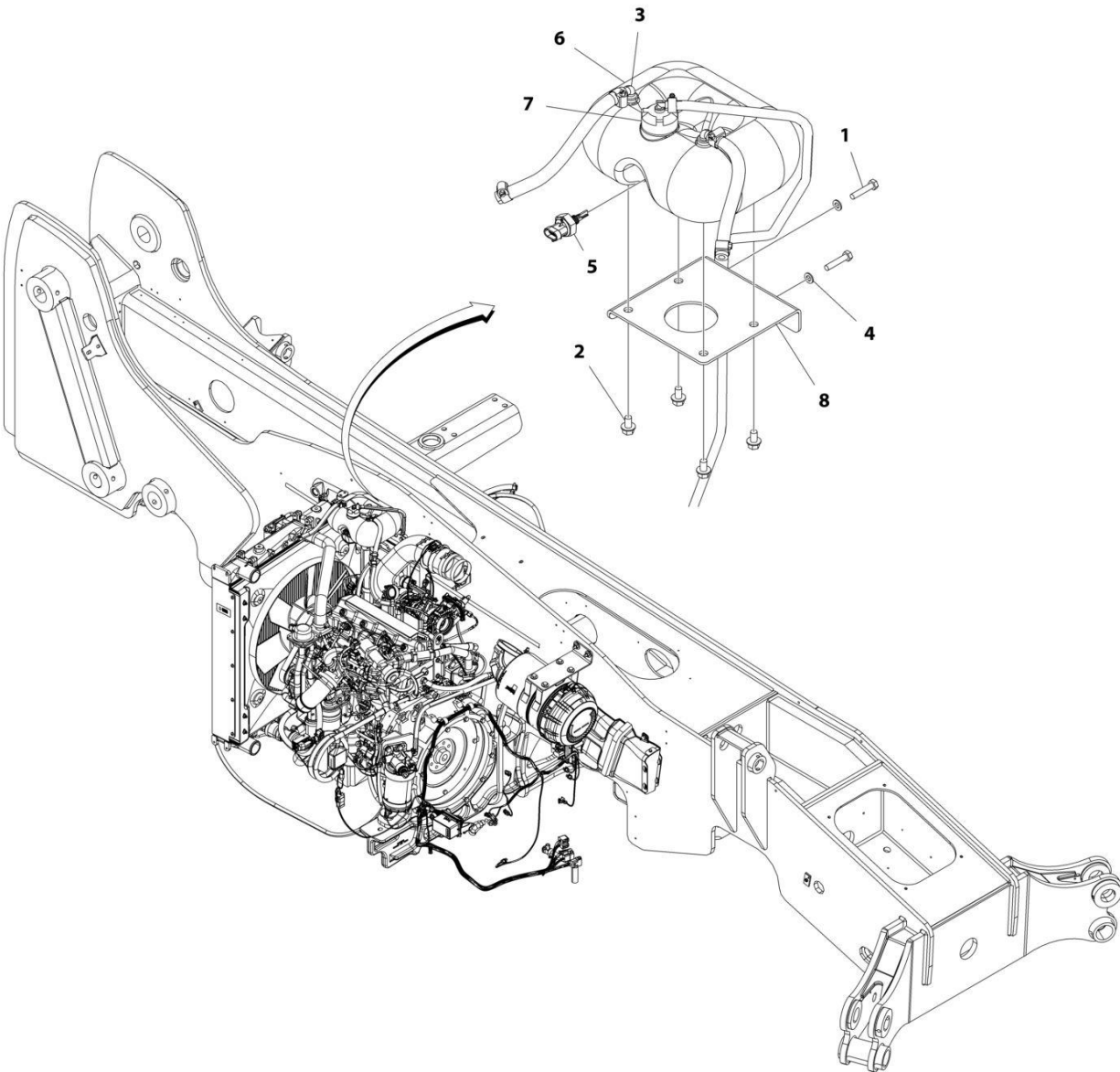
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-26. RADIATOR COOLING PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159347	Ref	RADIATOR COOLING PACKAGE	H
1	70026353	1	Cooler, Air Charge	
2	70026354	1	Radiator	
3	70026355	1	Cooler, Transmission Oil	
4	70026356	1	Cooler, Hydraulic Oil	
5	70026357	1	Cooler, Fuel	
6	70026358	1	Shroud	
7	70026359	2	Bracket, Shroud Mounting	
8	70026082	1	Valve, Bypass	
9	70026360	1	Valve, Bypass	
10	70026081	1	Petcock	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-27. SURGE TANK INSTALLATION



ART_1001167078_F

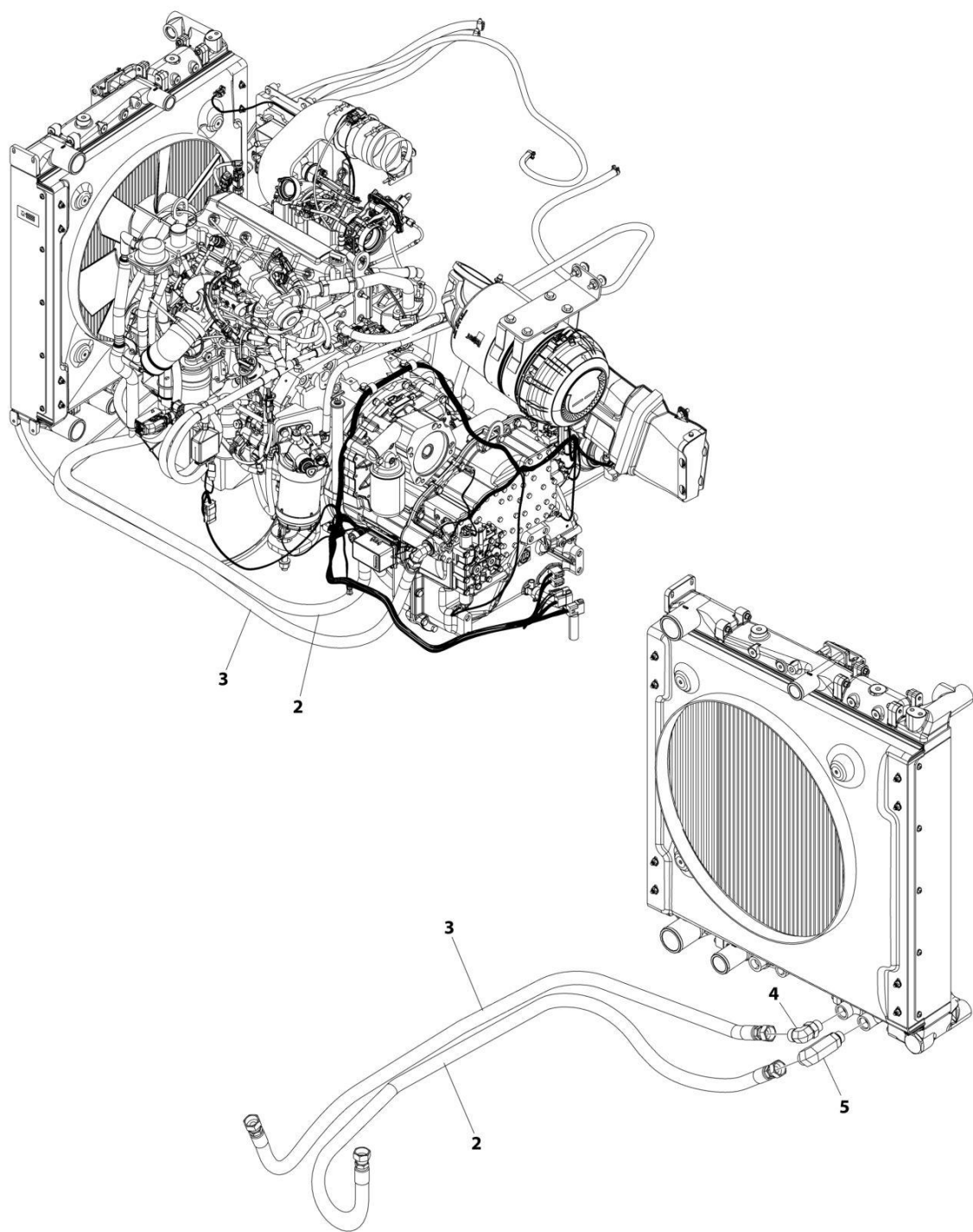
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-27. SURGE TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167078	Ref	SURGE TANK INSTALLATION	F
1	0700816	2	Bolt M8 x 40	
2	0791605	4	Bolt M3/8-16 x 5/8	
3	2180467	2	Fitting	
4	4811900	2	Washer M8	
5	1001286175	1	Sensor, Coolant Level	
6	1001128144	1	Tank, Coolant	
7	1001128341	1	Cap	
8	1001163637	1	Bracket, Coolant Tank	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-28. TOC LINES INSTALLATION



ART_1001163247-D

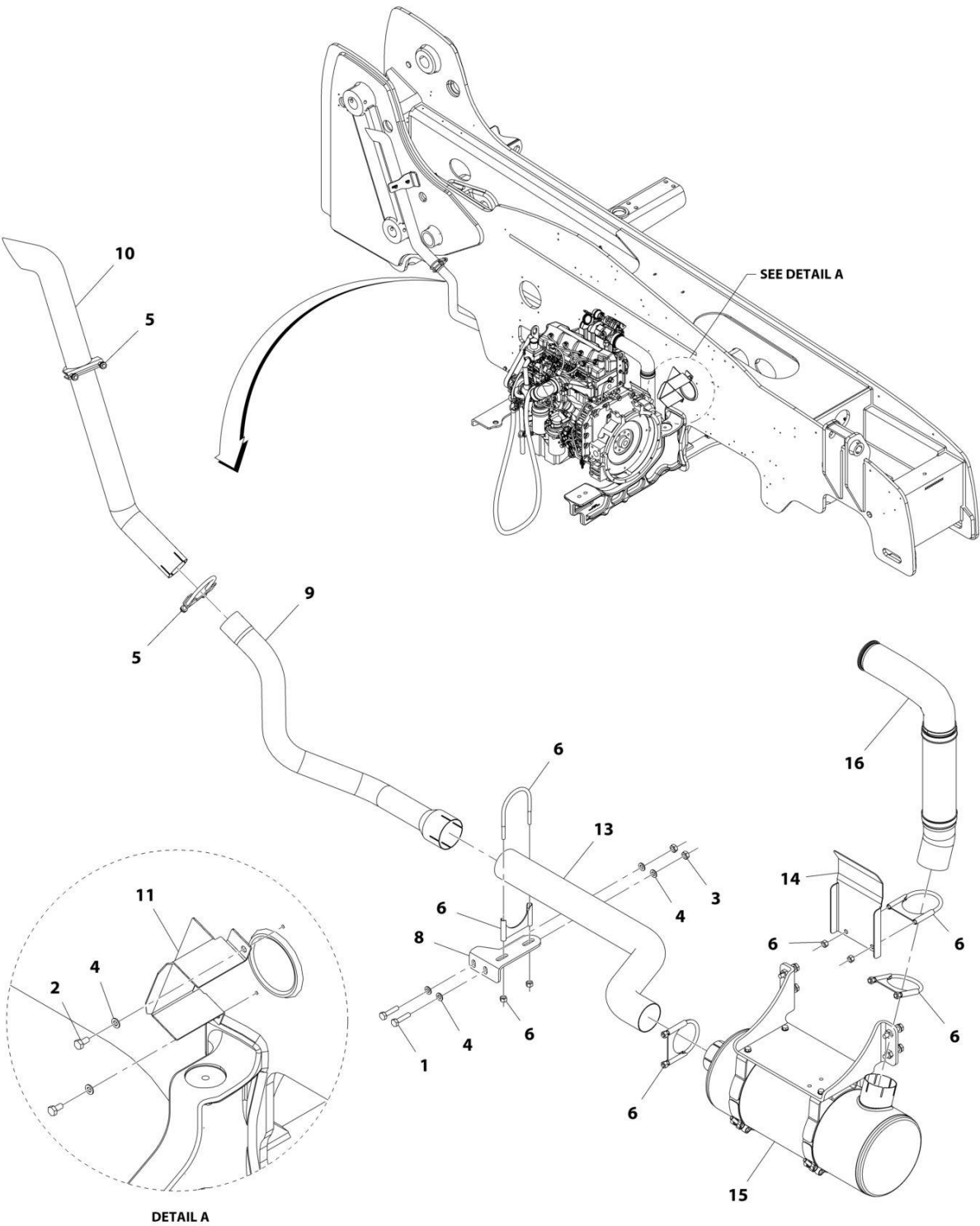
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-28. TOC LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163247	Ref	TOC Lines Installation	D
2	1001169207	1	Hose	
3	1001169393	1	Hose	
4	2131212	1	Fitting, 90 ORFS	
5	2170212	1	Fitting, 90 ORFS	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-29. EXHAUST INSTALLATION, 110HP (LS)



ART_1001169850-E

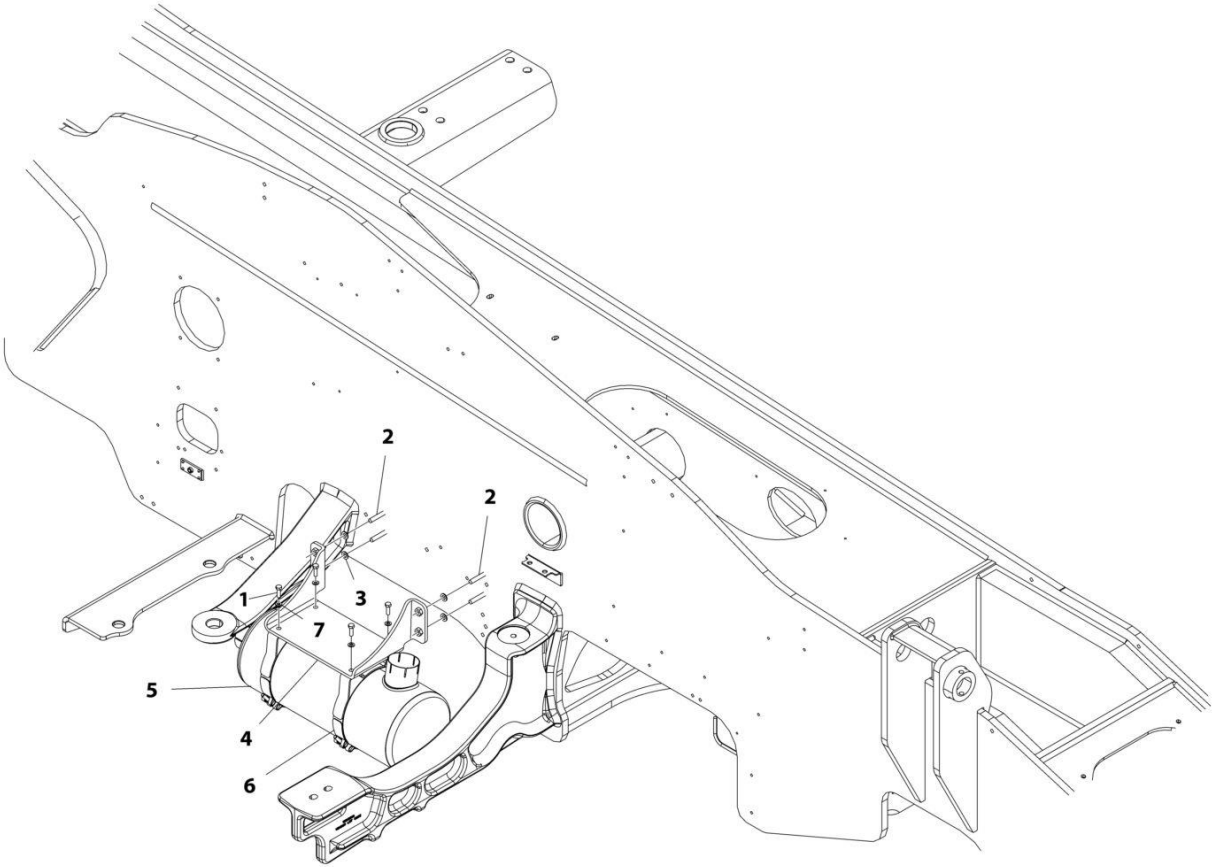
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-29. EXHAUST INSTALLATION, 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169850	Ref	Exhaust Installation (LS)	E
1	0701017	2	Bolt, M10X45	
2	0761010	2	Bolt, M10X20	
3	3291001	2	Nut, M10X1.5	
4	4812000	6	Washer, M10	
5	8275212	2	Clamp, Exhaust	
6	24921332	4	Clamp, Exhaust	
8	1001162281	1	Bracket, Exhaust	
9	1001208186	1	Pipe, Exhaust	
10	1001173626	1	Pipe, Exhaust	
11	1001179206	1	Bracket, Heat Shield	
13	1001179972	1	Pipe, Exhaust	
14	1001181815	1	Plate, Heat Shield	
15	1001179968	1	Installation, Muffler (LS) (See Separate Breakdown in this Section)	
16	1001191348	1	Pipe, Exhaust Flex	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-30. MUFFLER INSTALLATION (LS)



ART_1001179968-D

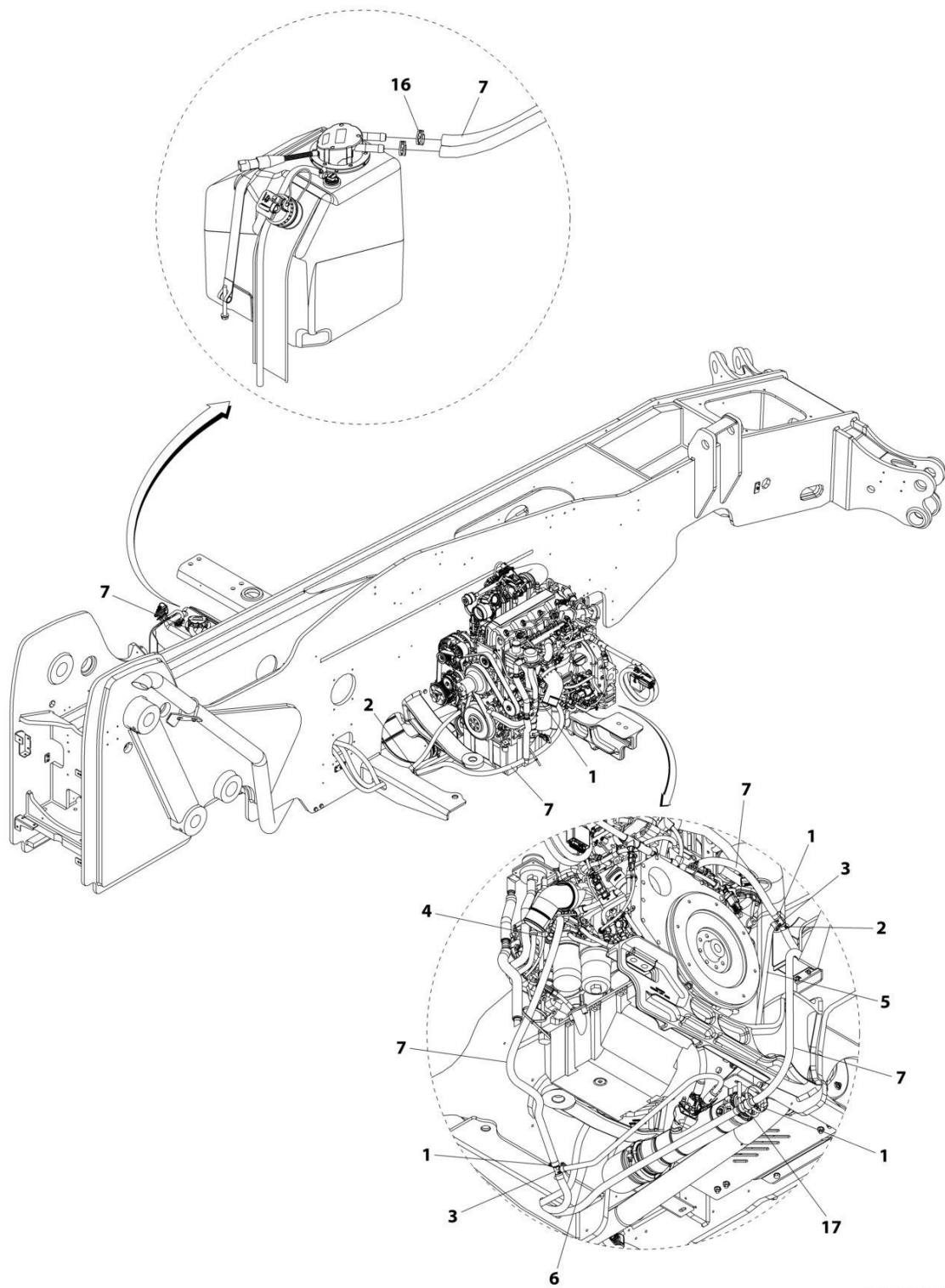
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-30. MUFFLER INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179968	Ref	Muffler Installation (LS)	D
1	0760812	4	Bolt, M8X25	
2	0701017	4	Bolt, M10X45	
3	4812000	4	Washer, M10	
4	1001179973	1	Bracket	
5	1001180226	1	Muffler	
6	1001180227	2	Clamp, Muffler	
7	4811900	4	Washer, M8	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-31. DEF LINES INSTALLATION



ART_1001163232-I

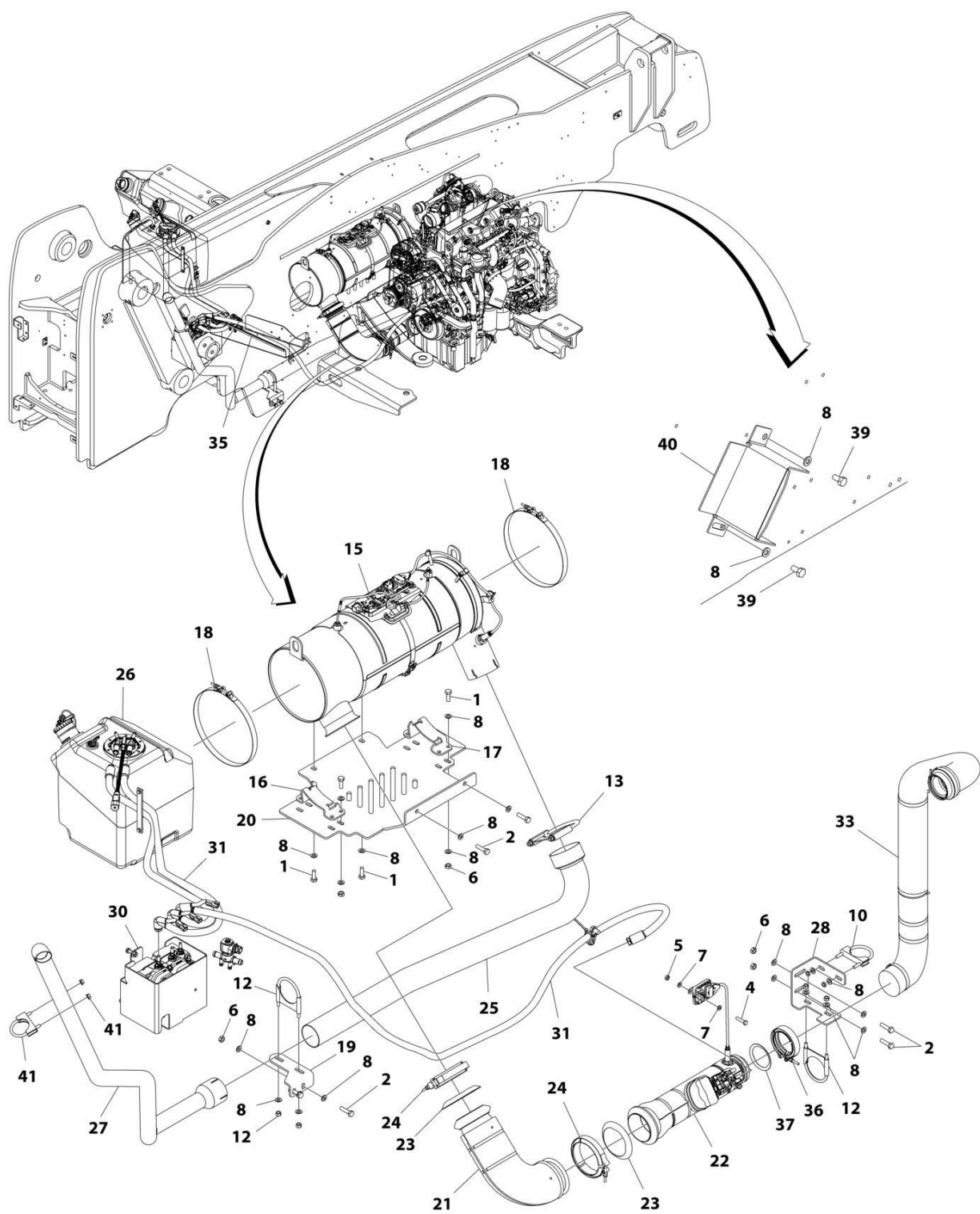
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-31. DEF LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163232	Ref	DEF Lines Installation	I
1	8410009	10	Gear Clamp	
2	8410013	2	Gear Clamp	
3	1001162212	2	Pipe	
4	1001168822	1	Pipe	
5	1001169409	1	Hose	
6	1001169410	1	Hose	
7	82033995	6.9 m	Hose	
16	1001202526	2	Clamp	
17	1001228872	1	Filter	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-32. EXHAUST INSTALLATION, 110HP (ULS)



ART_1001171701_P

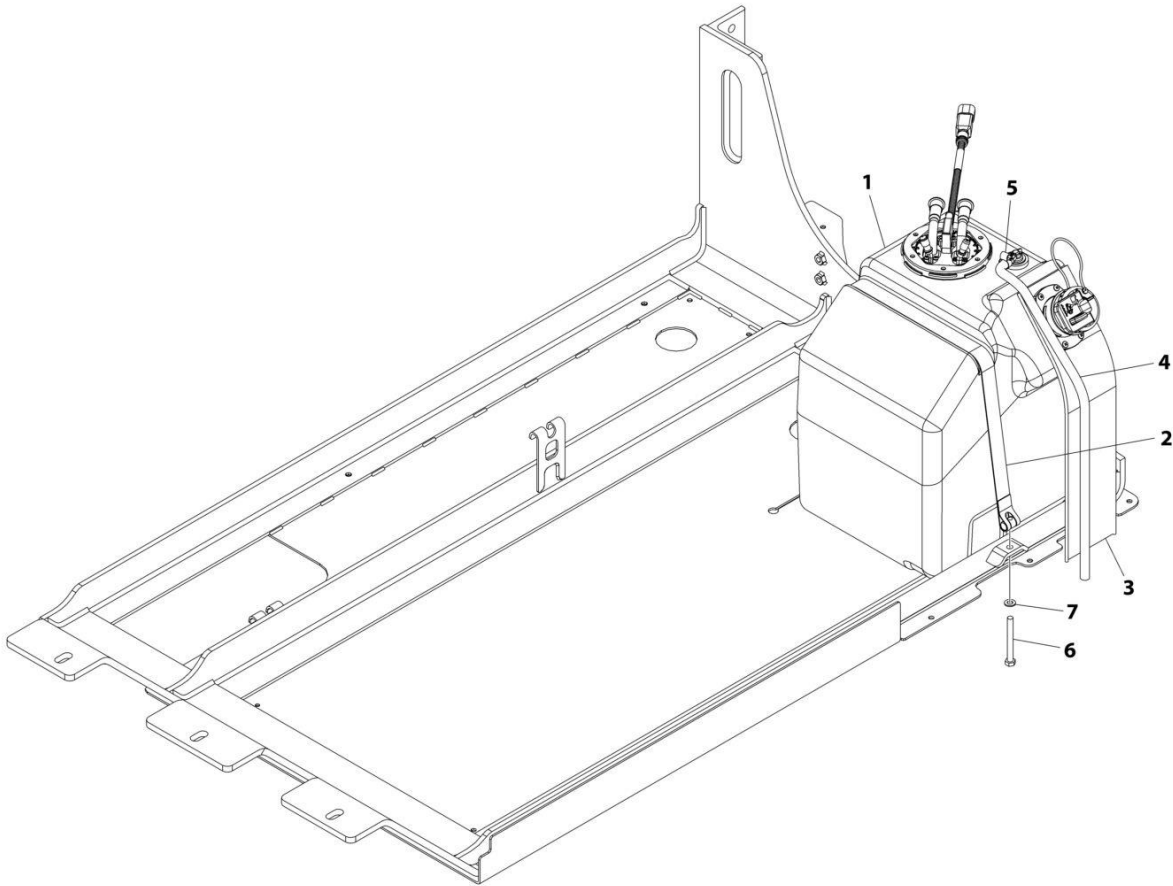
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-32. EXHAUST INSTALLATION, 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171701	Ref	EXHAUST INSTALLATION (ULS)	P
1	0701014	10	Bolt M10 x 30	
2	0701016	6	Bolt M10 x 40	
4	0760815	2	Bolt M8 x 35	
5	3290801	2	Nut M8 x 1.25	
6	3291001	12	Nut M10 x 1.5	
7	4811900	4	Washer M8	
8	4812000	36	Washer M10	
10	8275212	1	Clamp	
12	24921332	2	Clamp	
13	86883127	1	Clamp	
15	1001155261	1	Muffler	
16	1001159881	1	Bracket	
17	1001159882	1	Bracket	
18	1001176945	2	Strap	
19	1001162281	1	Support	
20	1001162597	1	Bracket	
21	1001163546	1	Pipe	
22	1001164404	1	Tube, Decomposition Reactor	
23	1001241318	2	Gasket	
24	1001241482	2	Clamp	
25	1001168560	1	Pipe	
26	1001168638	Ref	Installation, DEF Tank (See Separate Breakdown in this Section)	
27	1001204144	1	Pipe	
28	1001183836	1	Bracket	
30	1001174271	Ref	Installation, DEF Pump and Control (See Separate Breakdown in this Section)	
31	1001163253	Ref	Installation, DEF Pump Lines (See Separate Breakdown in this Section)	
33	1001183759	1	Pipe	
35	90206195	490 mm	Trim-Lock	
36	1001167167	1	Clamp	
37	1001167168	1	Seal	
39	0761010	2	Bolt M10 x 20	
40	1001179206	1	Bracket	
41	86683211	1	Clamp	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-33. DEF TANK INSTALLATION



ART_1001168638_L

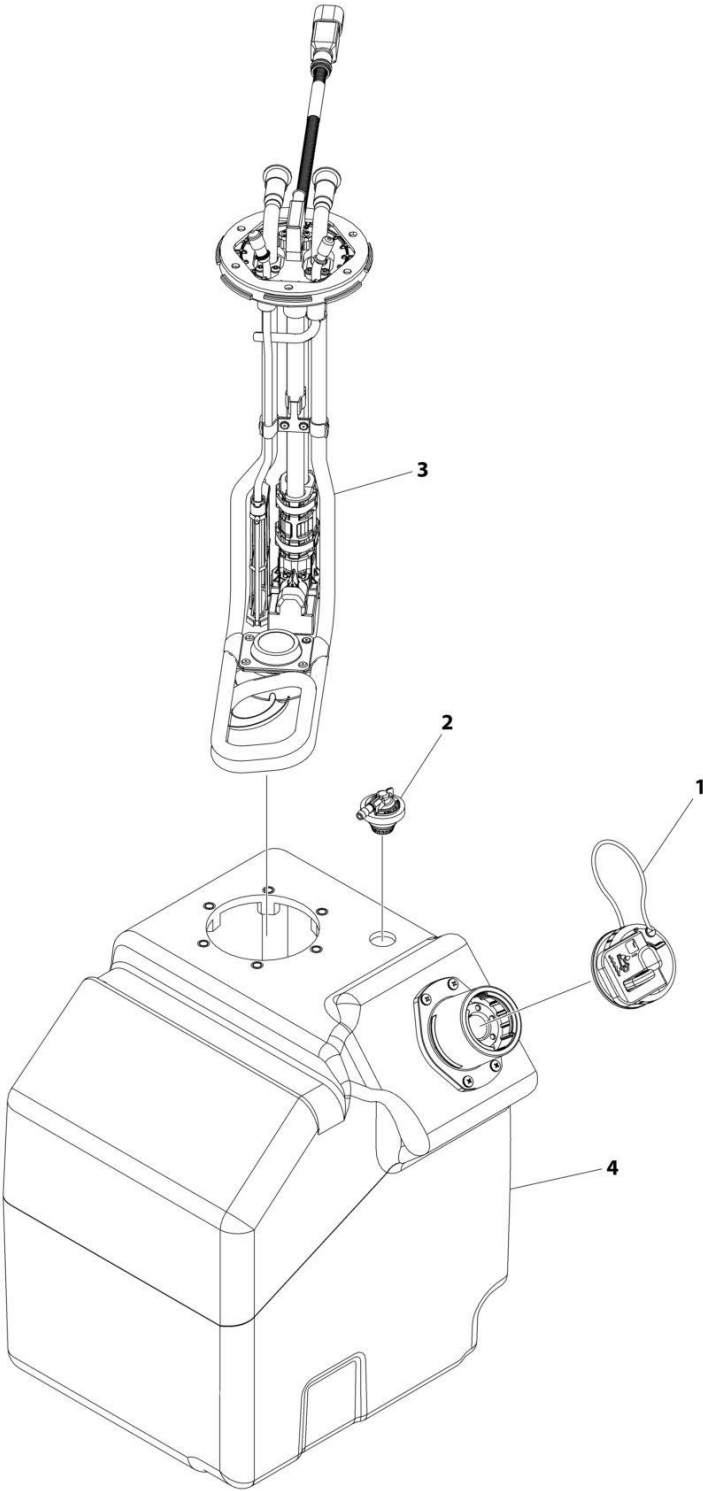
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-33. DEF TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168638	Ref	DEF TANK INSTALLATION	L
1	1001289561	1	Tank, DEF (See Separate Breakdown in this Section)	
2	1001178791	1	Strap, Tank	
3	1001168272	1	Sleeve	
4	1001175201	0.6 m	Hose	
5	8405009	1	Clamp, Gear	
6	0760823	1	Bolt M8 x 75	
7	4811900	1	Washer M8	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-34. DEF TANK ASSEMBLY



ART_1001289561

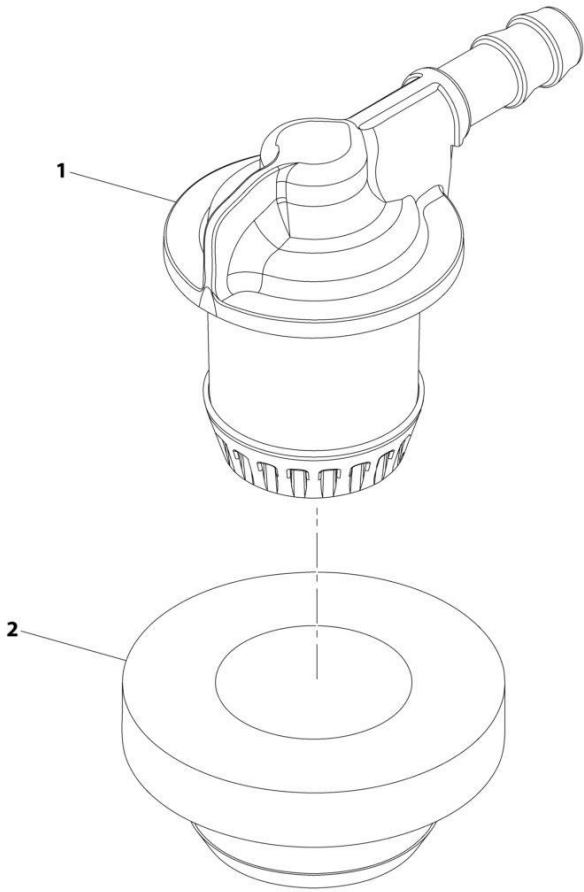
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-34. DEF TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289561	Ref	DEF TANK ASSEMBLY	A
1	1001174795	1	Cap	
2	1001215319	1	Valve (See Separate Breakdown in this Section)	
3	1001278919	1	Assembly, DEF Electrical	
4	1001289559	1	Tank	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-35. DEF BREATHER VALVE



ART_1001215319-B

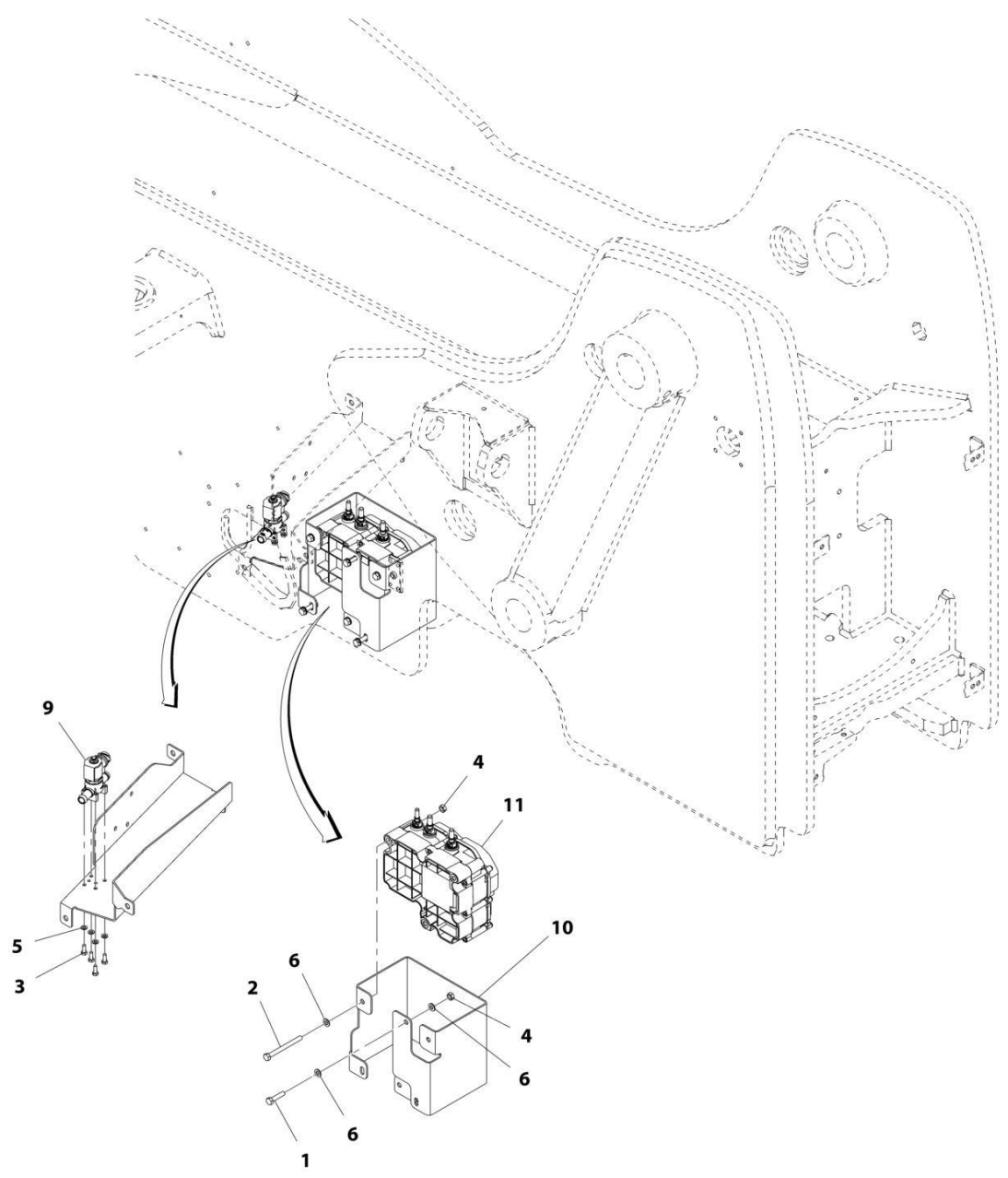
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-35. DEF BREATHER VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215319	Ref	DEF Breather Valve	B
1	1001239510	1	Valve, DEF Breather	
2	1001239511	1	Grommet, DEF Breather	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-36. DEF PUMP AND CONTROL INSTALLATION



ART_1001174271-H

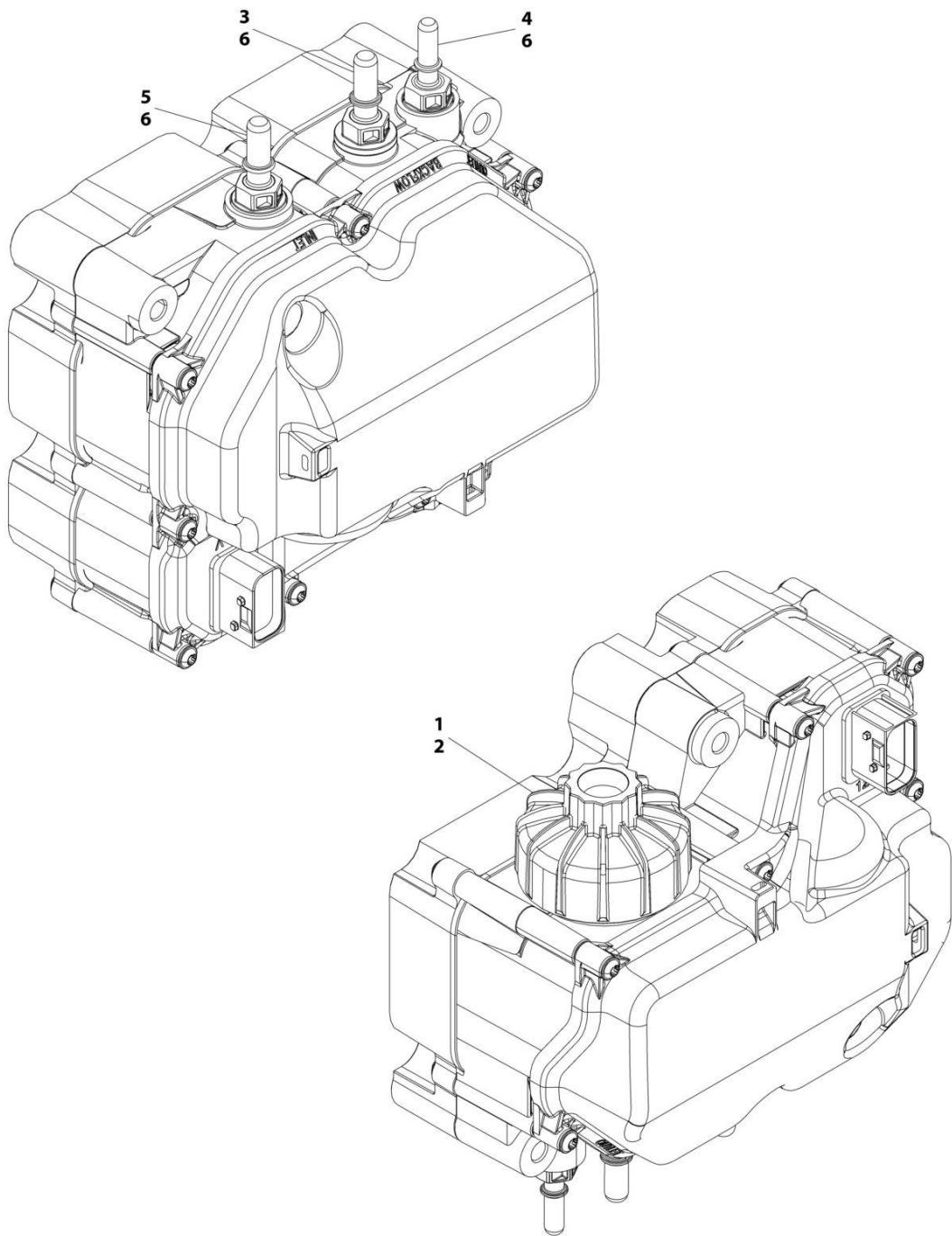
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-36. DEF PUMP AND CONTROL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174271	Ref	DEF Pump and Control Installation	I
1	0700815	3	Bolt, M8X35	
2	0700826	3	Bolt, M8X90	
3	0760608	4	Bolt, M6X16	
4	3290801	5	Nut, M8X1.25	
5	4811700	4	Washer, M6	
6	4811900	8	Washer, M8	
9	1001199670	1	Valve, DEF Tank Coolant Flow	
10	1001191168	1	Bracket	
11	1001213210	1	Pump, Urea (See Separate Breakdown in this Section)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-37. UREA PUMP



ART_1001213210-A

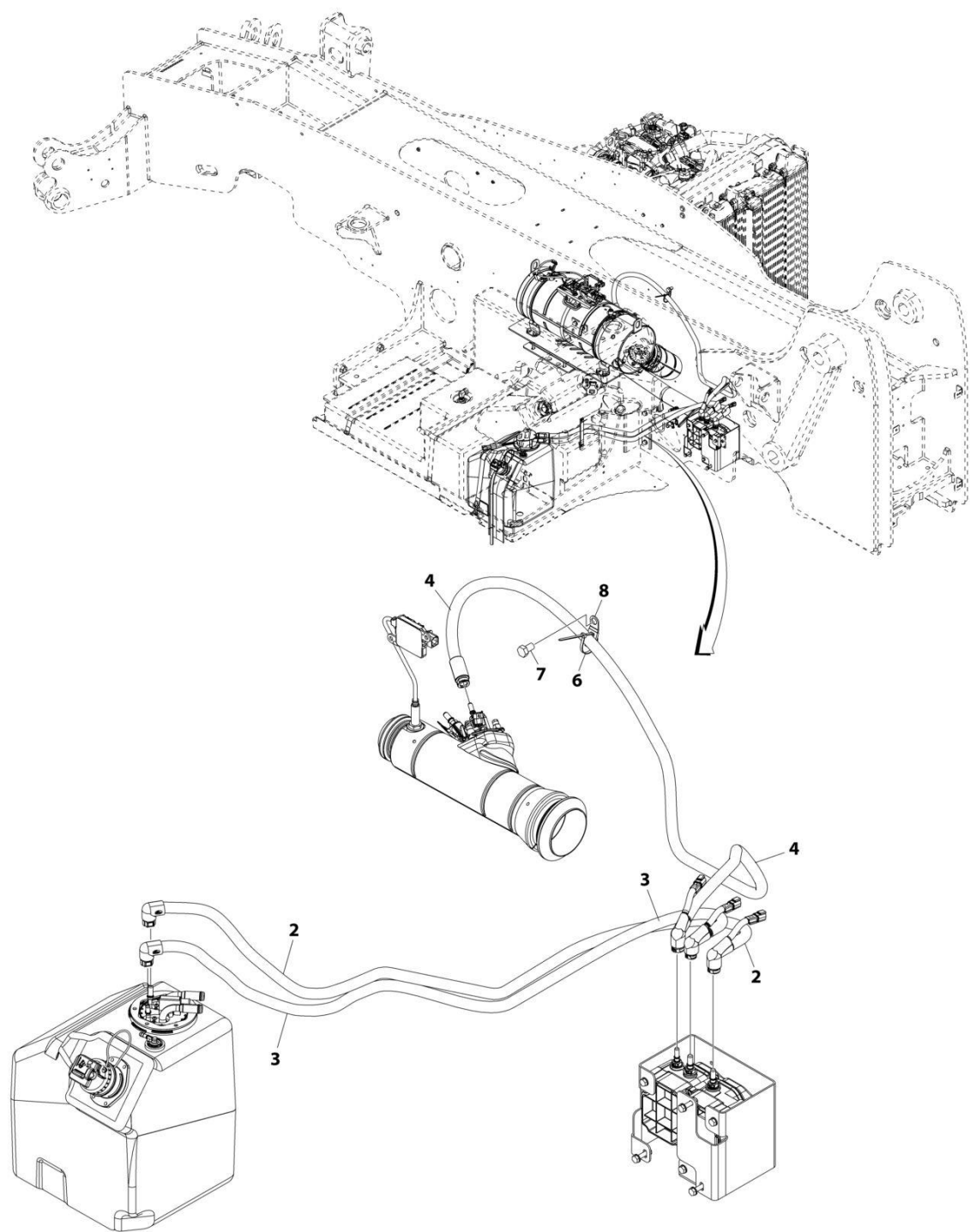
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-37. UREA PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213210	Ref	DEF Module Pump	B
1	70026248	1	Kit, Filter	
2	70026247	1	Cap, Filter	
3	70027705	1	Connector, Male (Backflow)	
4	70026245	1	Connector, Male (Outlet)	
5	70026244	1	Connector, Male (Inlet)	
6	70027706	3	Gasket, Circular (O-Ring)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-38. DEF PUMP LINES INSTALLATION



ART_1001163253-I

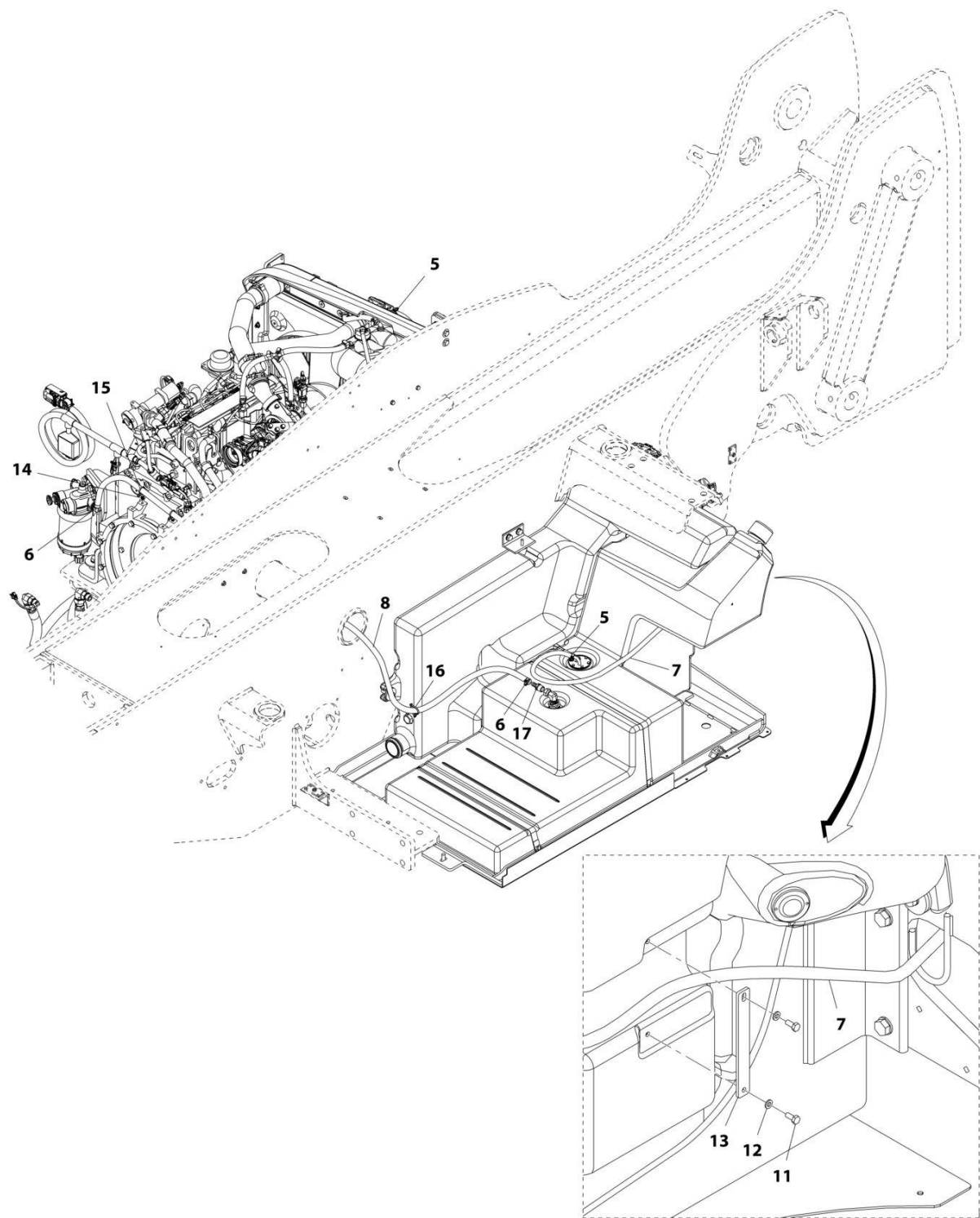
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-38. DEF PUMP LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163253	Ref	DEF Pump Lines Installation	I
1	0760607	AR	Bolt, M6X14	
2	1001231002	1	Hose	
3	1001231003	1	Hose	
4	1001167971	1	Hose	
5	1001196440	AR	Plate, Retainer	
6	8881802	1	Strap, Tie	
7	0761210	1	Bolt, M12X20	
8	1001025750	1	Clip	
9	4831700	AR	Washer, Lock M6	

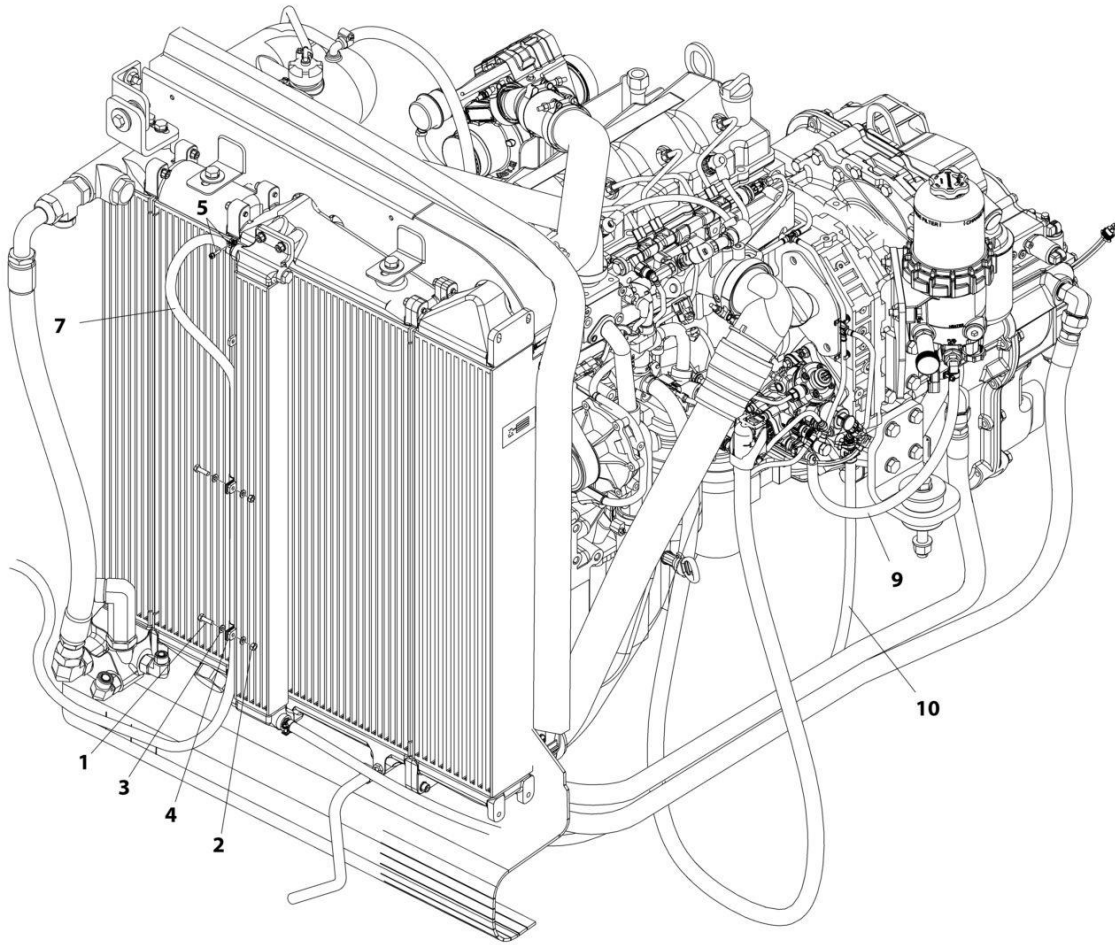
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-39. FUEL LINES INSTALLATION (LS)



ART_1001163241_1-G

SECTION 4 - ENGINE AND ATTACHING PARTS



ART_1001163241_2-G

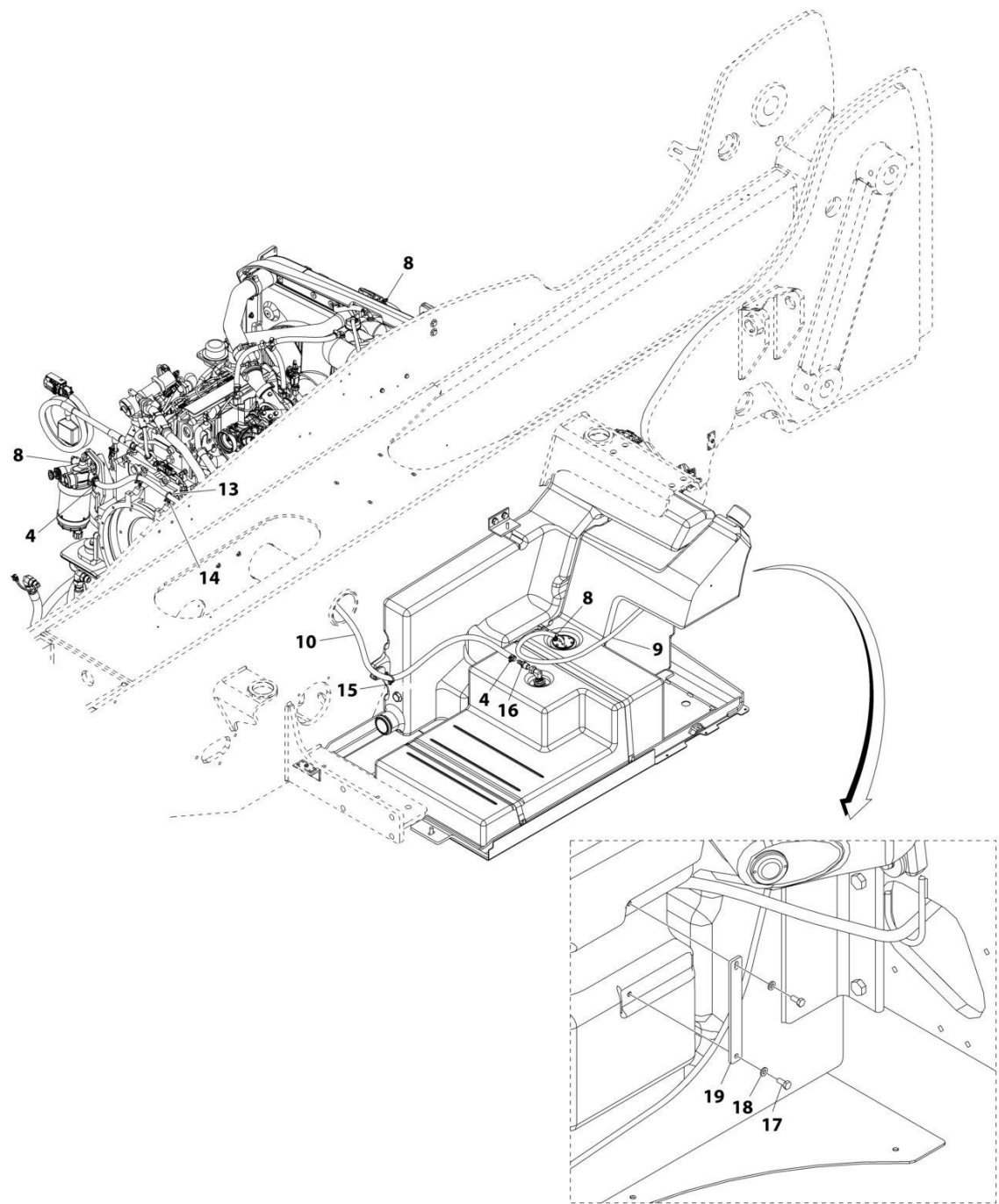
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-39. FUEL LINES INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163241	Ref	Fuel Lines Installation (LS)	G
1	0700610	2	Bolt, M6X20	
2	3290601	2	Nut, M6X1 Grade 8	
3	4811700	4	Washer, M6	
4	8406112	2	Clip	
5	1001136975	4	Clamp	
6	1001186342	2	Clip	
7	1001141400	3.7 m	Hose	
8	1001172755	2.4 m	Hose	
9	1001190980	1	Hose	
10	1001197299	1	Hose	
11	0760607	2	Bolt, M6X14	
12	4831700	2	Washer, Lock M6	
13	1001196440	1	Plate, Retainer	
14	1001202986	2	Strap, Fir Tree Push Mount	
15	1001008559	2	Strap	
16	1001146588	1	Strap	
17	1001206588	1	Fitting	

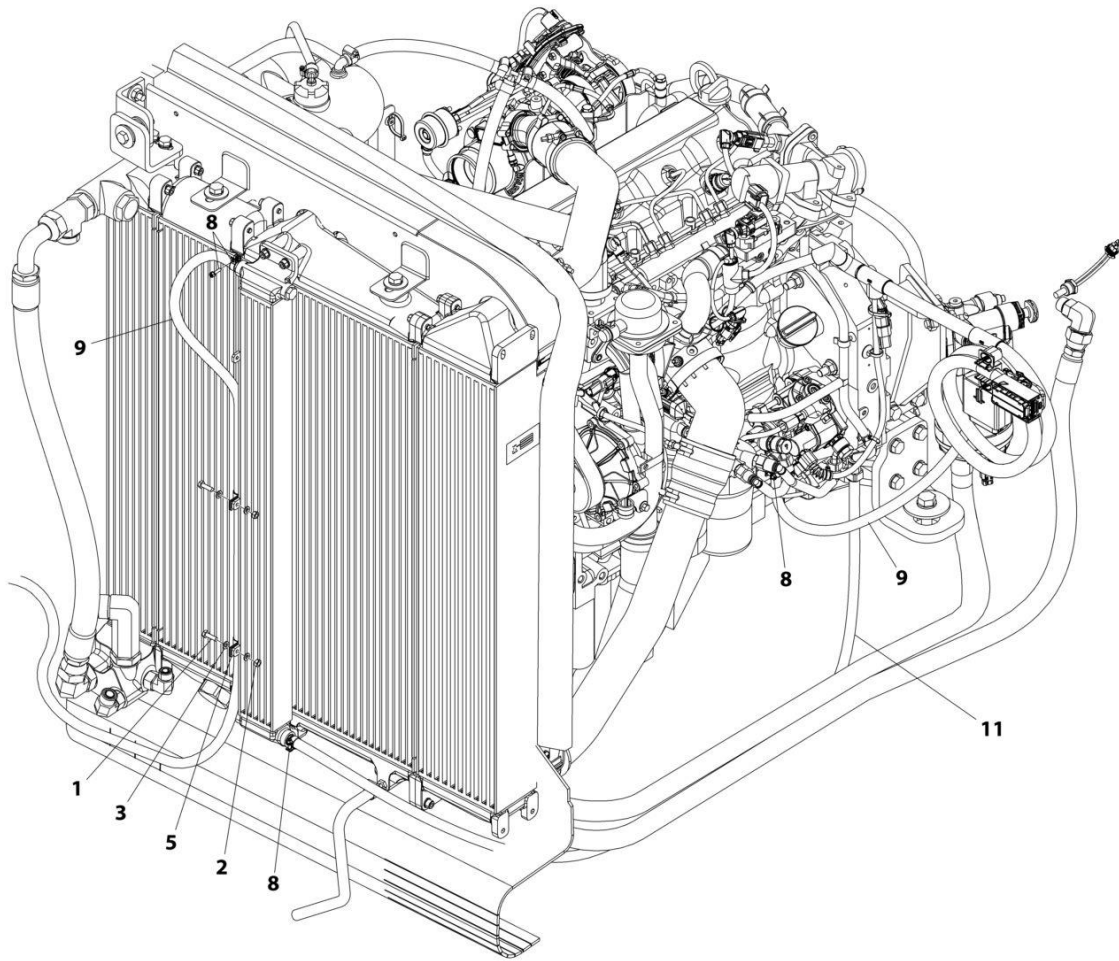
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-40. FUEL LINES INSTALLATION (ULS)



ART_1001163231-1-J

SECTION 4 - ENGINE AND ATTACHING PARTS



ART_1001163231_2-J

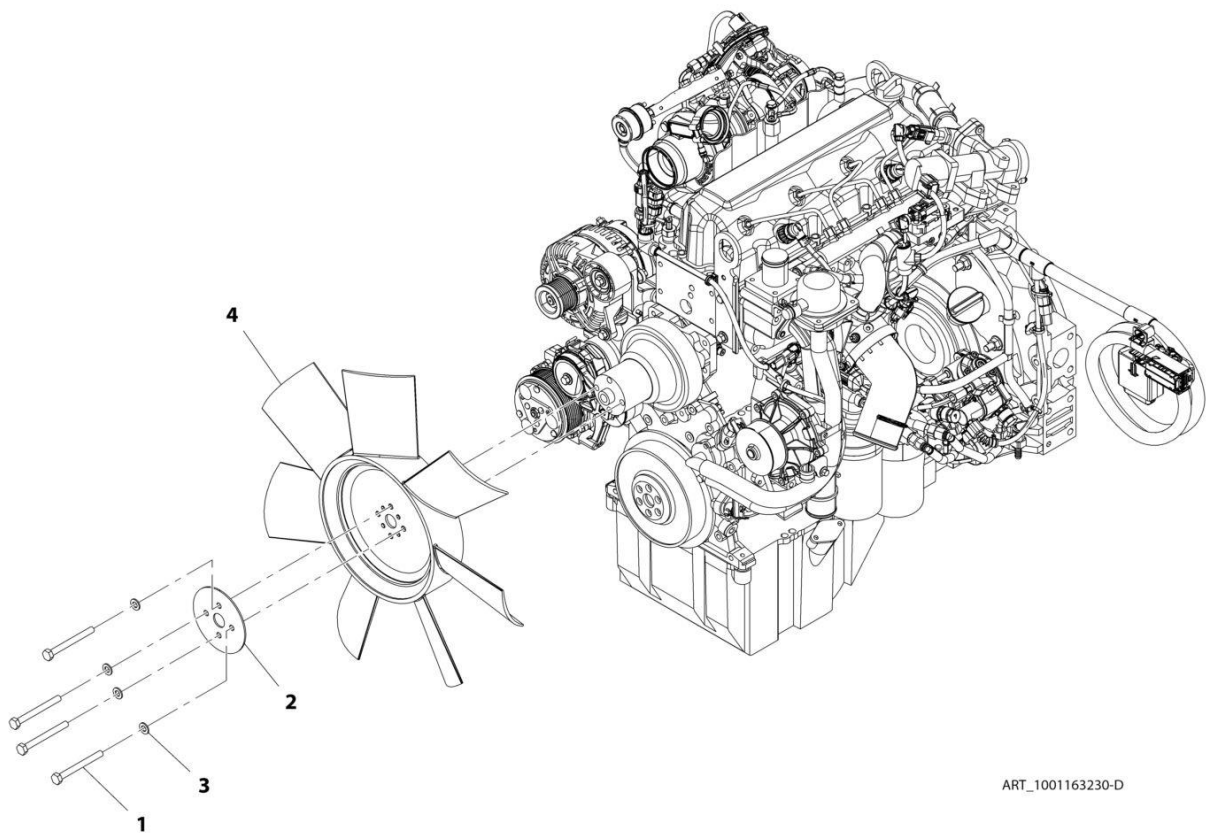
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-40. FUEL LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163231	Ref	Fuel Lines Installation	J
1	0700610	2	Bolt, M6X20	
2	3290601	2	Nut, M6X1 Grade 8	
3	4811700	4	Washer, M6	
4	1001186342	2	Clip, Hose	
5	8406112	2	Clip, Tube	
8	1001136975	5	Clamp	
9	1001141400	4.3 m	Hose	
10	1001172755	2.4 m	Hose	
11	1001197299	1	Hose	
13	1001008559	2	Strap	
14	1001202986	2	Strap, Fir Tree Push Mount	
15	1001146588	1	Strap	
16	1001206588	1	Fitting	
17	0760607	2	Nut, M6X14	
18	4831700	2	Washer, Lock M6	
19	1001196440	1	Plate, Retainer	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-41. FAN INSTALLATION, 110HP



ART_1001163230-D

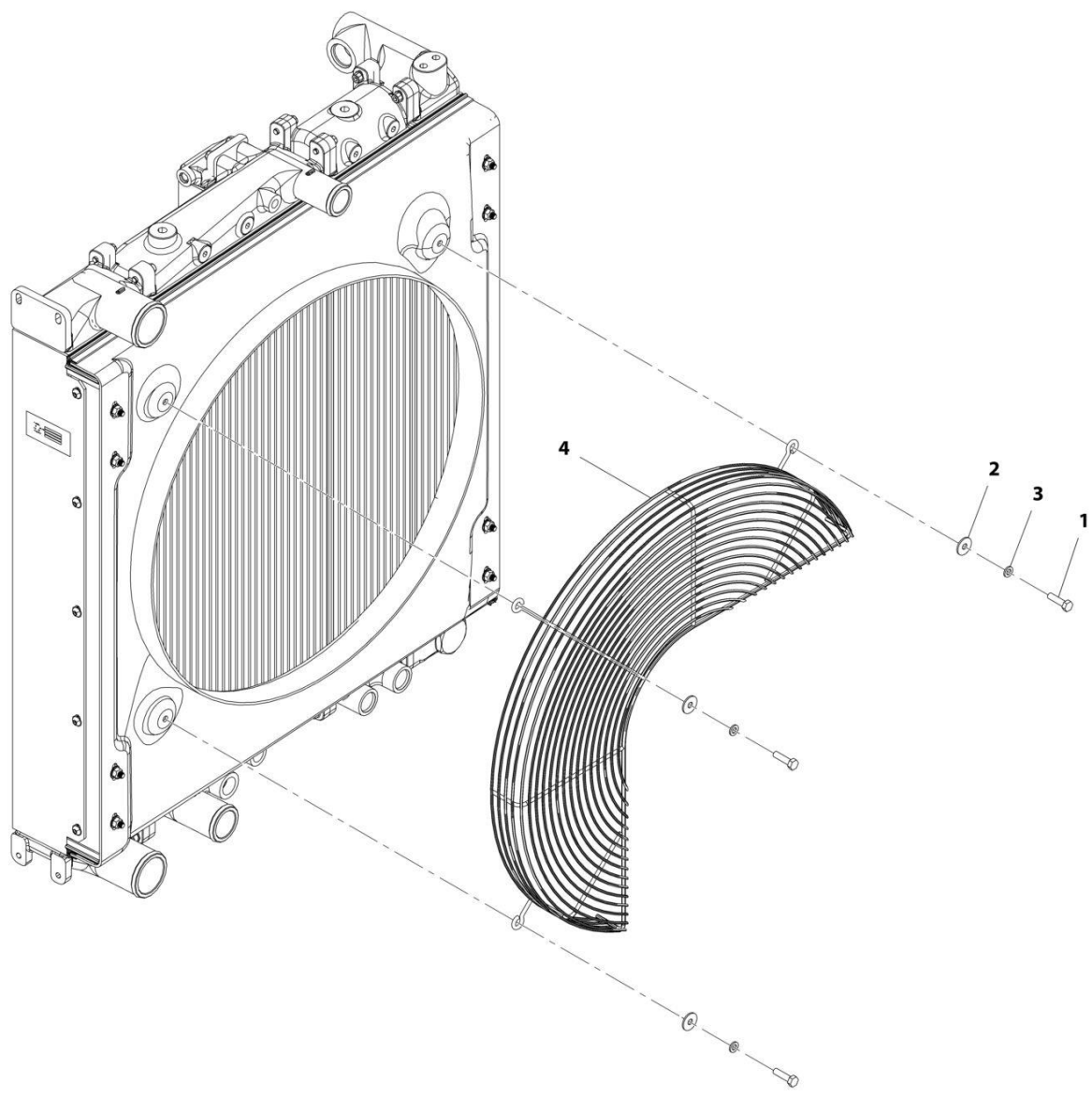
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-41. FAN INSTALLATION, 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163230	Ref	Fan Installation	D
1	0701027	4	Bolt, M10X100	
2	3575947	1	Plate	
3	4812000	4	Washer, M10	
4	1001175269	1	Fan, Cooling	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-42. FAN GUARD INSTALLATION



ART_1001160420-D

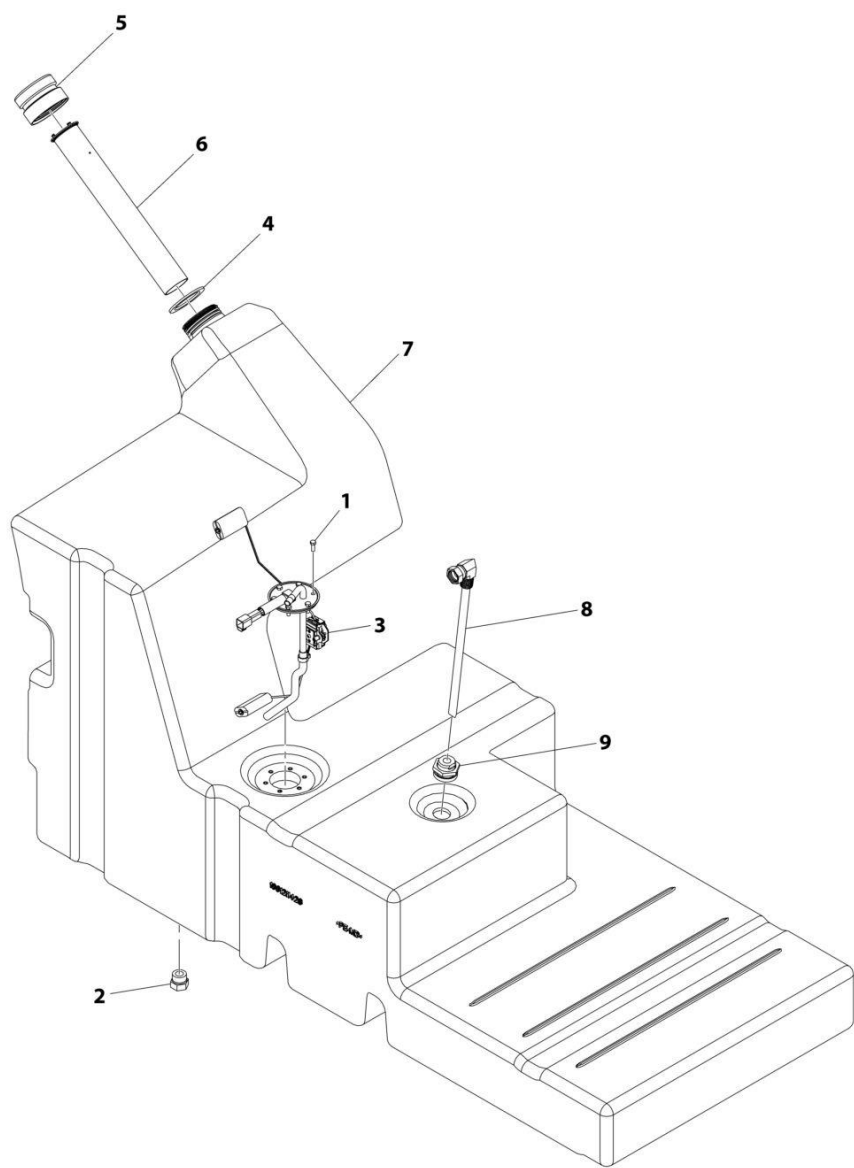
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-42. FAN GUARD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160420	Ref	Fan Guard Installation	D
1	0700814	3	Bolt, M8X30	
2	4811902	3	Washer, M8	
3	4831900	3	Washer, Lock M8	
4	1001167186	1	Grill	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-43. FUEL TANK ASSEMBLY



ART_1001211432-F

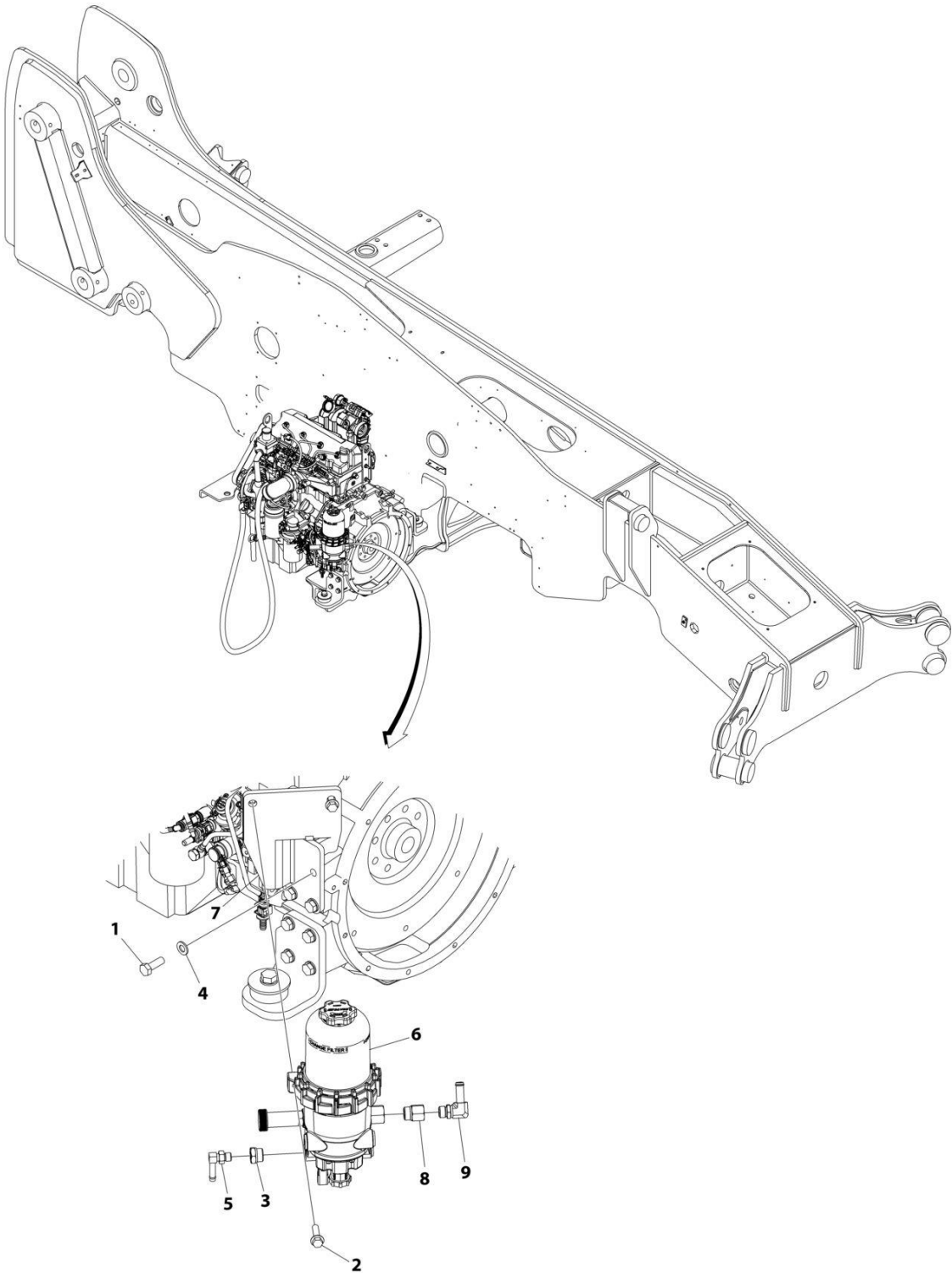
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-43. FUEL TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211432	Ref	Fuel Tank Assembly	F
1	0760507	6	Bolt, M5X14	
2	1001003427	1	Plug	
3	1001235100	1	Gauge, Fuel Level	
4	1001172178	1	Gasket	
5	1001207282	1	Adapter, Tank Cap	
6	1001207557	1	Pipe, Fuel Tank Drop	
7	1001211428	1	Tank, Fuel	
8	1001211429	1	Coupling, ORFS	
9	1001211747	1	Pipe, Fuel Supply	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-44. PRIMARY FUEL FILTER INSTALLATION (LS)



ART_1001180076_E

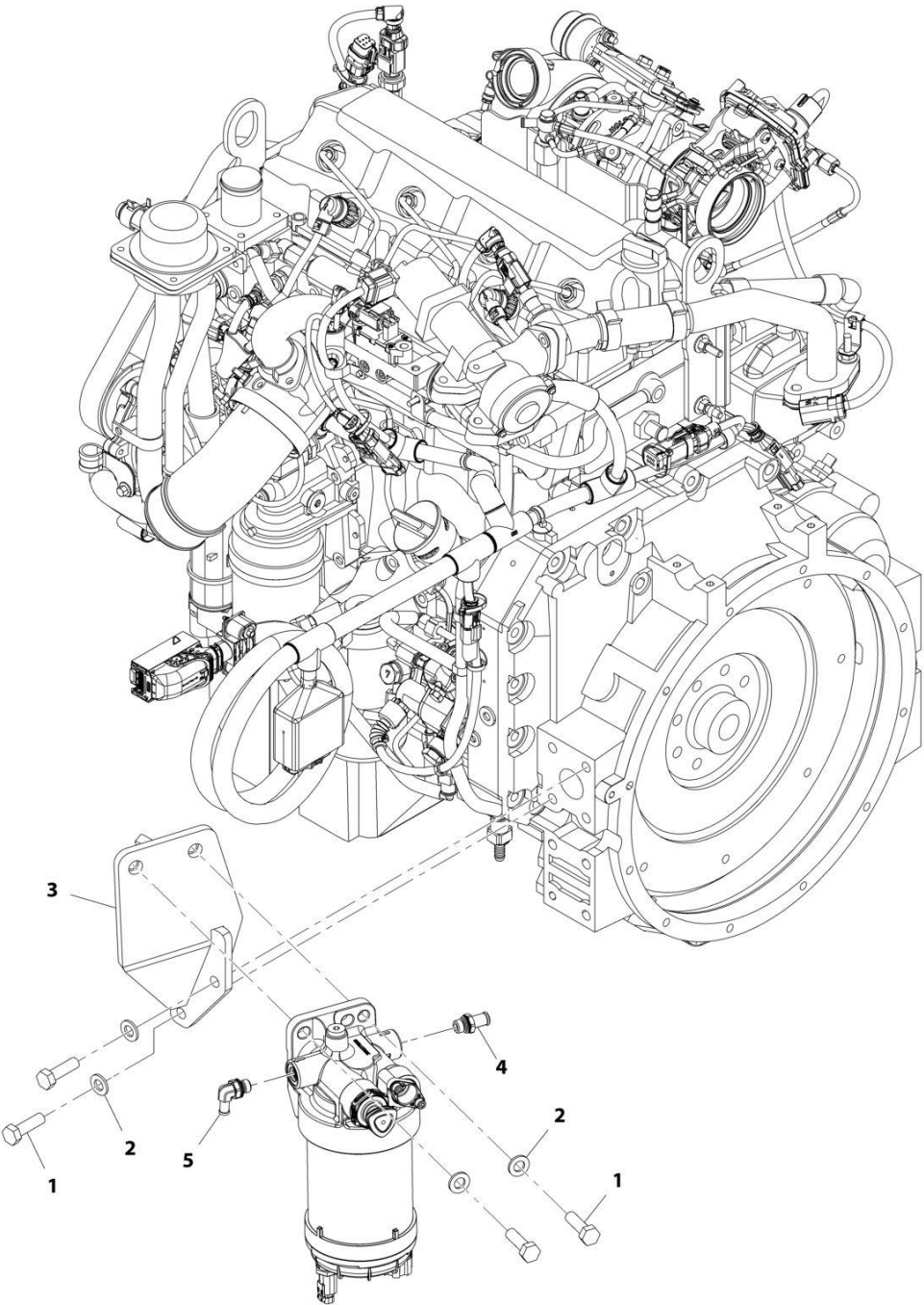
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-44. PRIMARY FUEL FILTER INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180076	Ref	Primary Fuel Filter Installation (LS)	E
1	0701215	3	Bolt, M12X35	
2	0781016	2	Bolt, M10X40	
3	2220218	1	Fitting, Straight ORFS	
4	4812100	3	Washer, M12	
5	8430034	1	Elbow, 90	
6	1001133534	1	Filter, Fuel	
7	1001180078	1	Bracket, Fuel Filter Mount	
8	2220810	1	Fitting, Straight	
9	1001200239	1	Fitting, 90 ORFS	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-45. PRIMARY FUEL FILTER INSTALLATION (ULS)



ART_1001163235-F

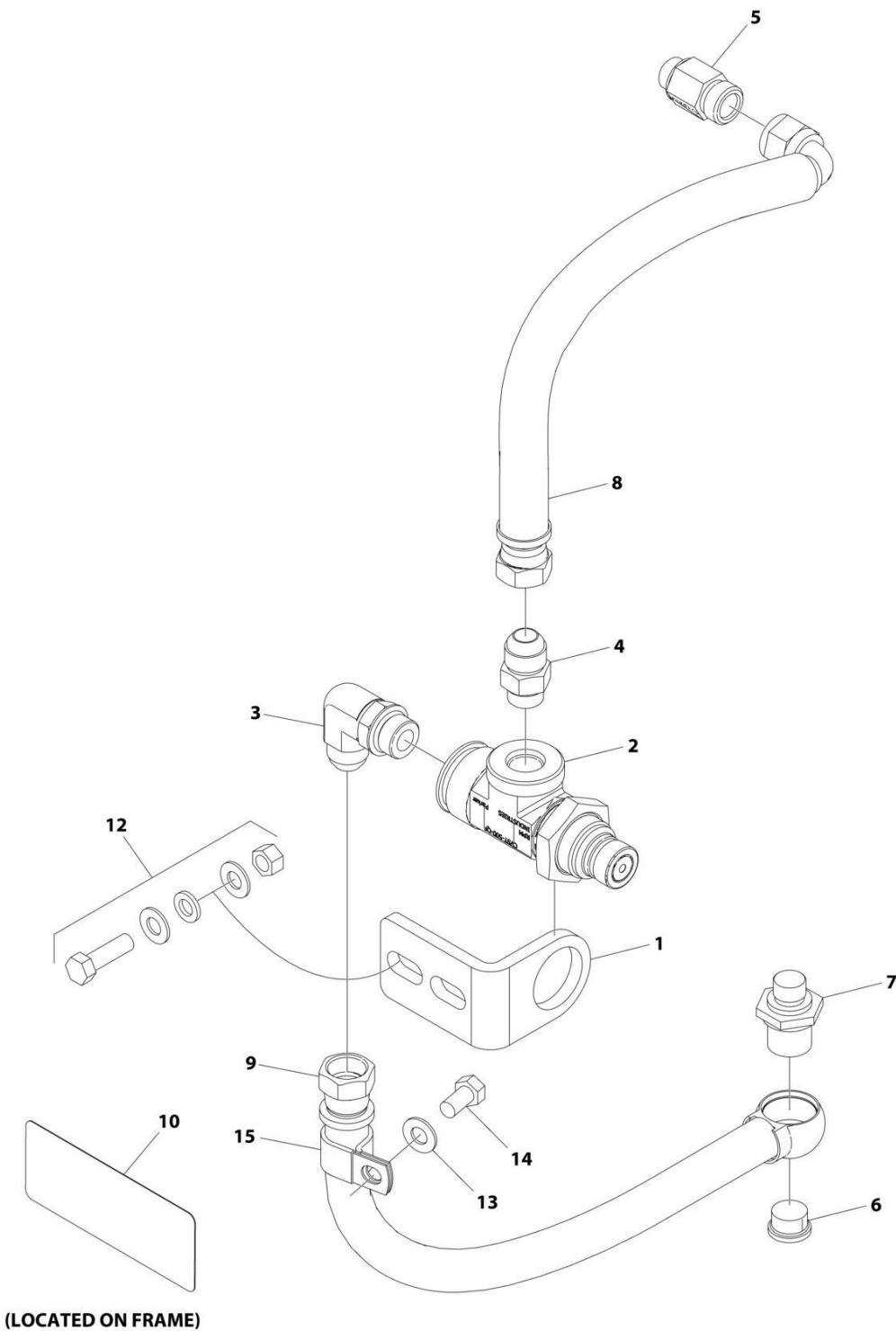
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-45. PRIMARY FUEL FILTER INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163235	Ref	Primary Fuel Filter Installation	F
1	0701216	4	Bolt, M12X40	
2	4812100	4	Washer, M12	
3	1001206019	1	Bracket, Fuel Filter Mount	
4	1001217467	1	Barb, Hose	
5	1001182094	1	Hose	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-46. ENGINE OIL QUICK DRAIN INSTALLATION



ART_1001281468

SECTION 4 - ENGINE AND ATTACHING PARTS

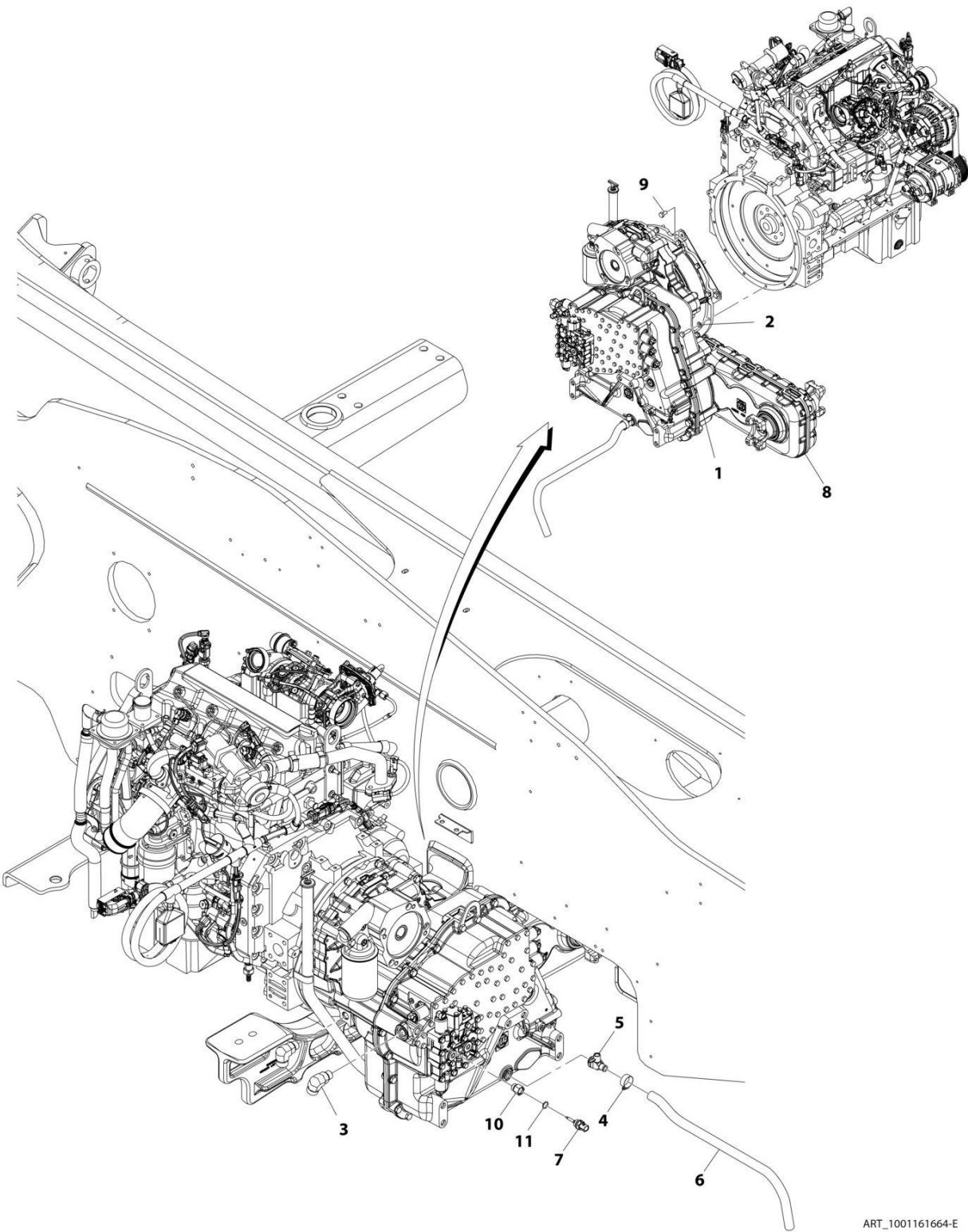
FIGURE 4-46. ENGINE OIL QUICK DRAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281468	Ref	QUICK DRAIN OIL VALVE INSTALLATION	A
1	1001281297	1	Bracket	
2	1001281298	1	Valve, Small Quickfit	
3	1001281301	1	Fitting, 90	
4	1001281302	1	Fitting, Straight	
5	1001281303	1	Valve, Check Quickfit	
6	1001281304	1	Plug, Quickfit	
7	1001281305	1	Fitting, Straight Quickfit	
8	1001283990	1	Hose	
9	1001281354	1	Hose	
10	1001281360	1	Decal - RPM Quickfit	
11	1001281656	AR	Tie-Strap (Not Shown)	
12	1001281888	2	Bolt 3/8 x 1-1/4	
13	1001282009	1	Washer M8	
14	1001282010	1	Bolt M8 x 18	
15	1001282011	1	Clip	

SECTION 5 - DRIVE TRAIN

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. TRANSMISSION INSTALLATION



ART_1001161664-E

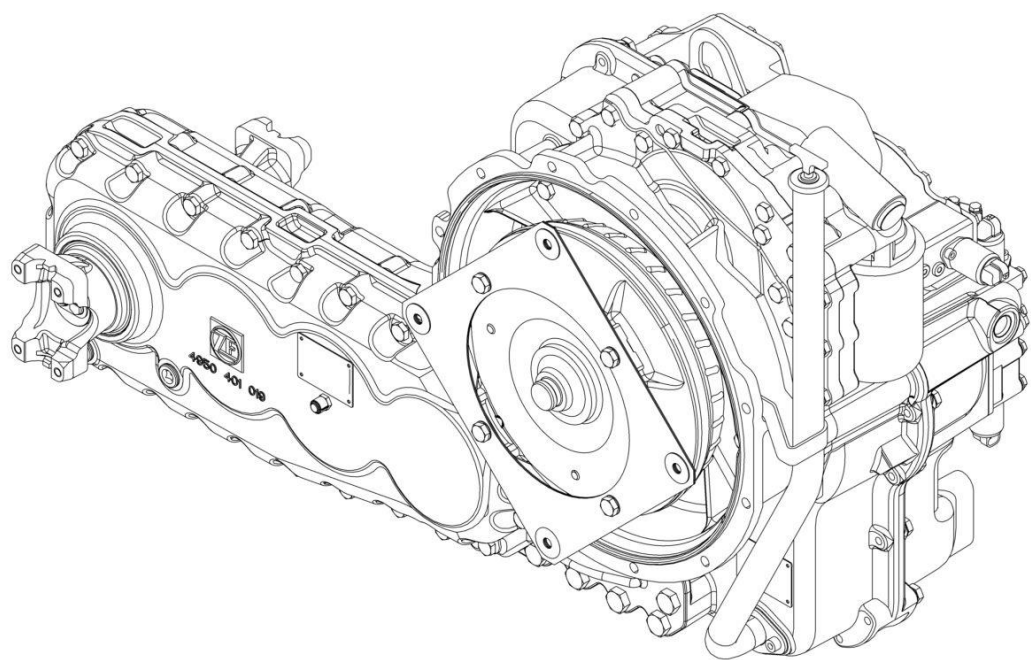
SECTION 5 - DRIVE TRAIN

FIGURE 5-1. TRANSMISSION INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161664	Ref	Transmission Installation	E
1	0711015	12	Screw, M10X35	
2	4812000	12	Washer, M10	
3	2131210	2	Fitting, 90 ORFS	
4	8405007	1	Clamp, Hose	
5	1001097053	1	Valve, Oil Drain	
6	1001186225	1	Hose, Drain	
7	1001128478	1	Switch, Oil Temperature	
8	1001170171	1	Transmission, Powershift (See Separate Breakdown in this Section)	
9	0761010	4	Screw, M10X20	
10	1001220760	1	Adapter	
11	1001009163	1	Seal	

SECTION 5 - DRIVE TRAIN

FIGURE 5-2. POWERSHIFT TRANSMISSION



ART_1001170171_1-C

SECTION 5 - DRIVE TRAIN

FIGURE 5-2. POWERSHIFT TRANSMISSION

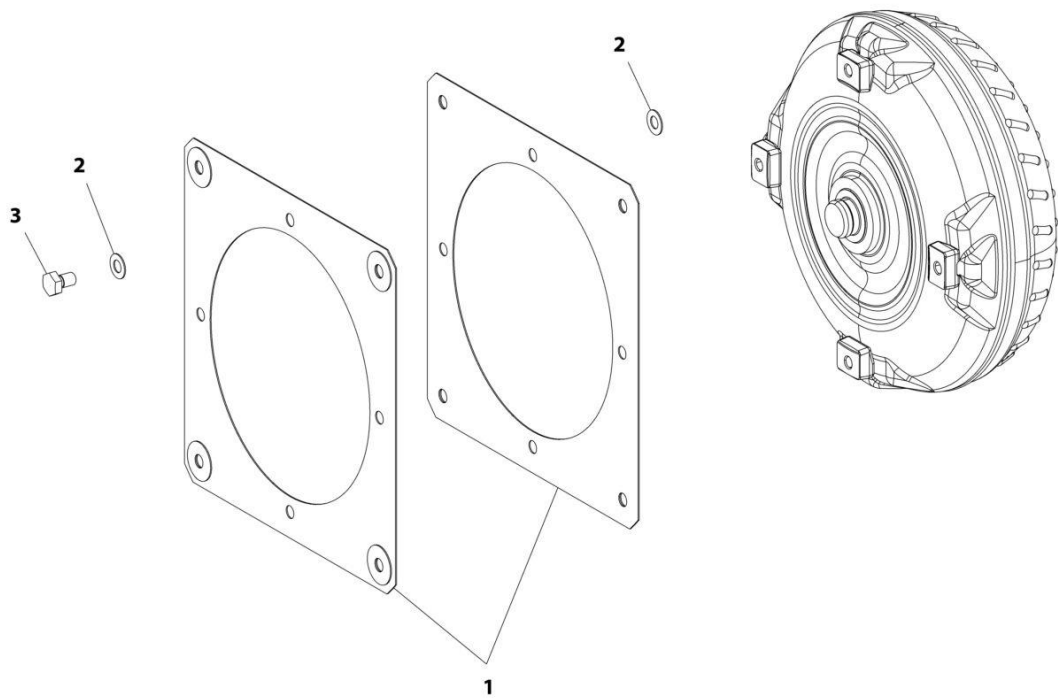
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	Powershift Transmission	C
		Ref	Transmission, Engine Connection (See Separate Breakdown in this Section)	
		Ref	Transmission, Converter (See Separate Breakdown in this Section)	
		Ref	Transmission, Input (See Separate Breakdown in this Section)	
		Ref	Transmission, Housing Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission, Housing Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission, Clutch Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission, Clutch Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 3 (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 4 (See Separate Breakdown in this Section)	
		Ref	Transmission, Output (See Separate Breakdown in this Section)	
		Ref	Transmission, Power Take-Off (See Separate Breakdown in this Section)	
		Ref	Transmission, Control Unit (See Separate Breakdown in this Section)	
		Ref	Transmission, Shift System (See Separate Breakdown in this Section)	
		Ref	Transmission, Pressure Regulator (See Separate Breakdown in this Section)	
		Ref	Transmission, Pressure Oil Pump (See Separate Breakdown in this Section)	
		Ref	Transmission, Inductive Transmitter (See Separate Breakdown in this Section)	
		Ref	Transmission, Filter (See Separate Breakdown in this Section)	
		Ref	Transmission, Accessories Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission, Peripherals Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission, Peripherals Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission, Accessories Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission, Housing Group (See Separate Breakdown in this Section)	
		Ref	Transmission, Housing 1 (See Separate Breakdown in this Section)	
		Ref	Transmission, Housing 2 (See Separate Breakdown in this Section)	
		Ref	Transmission, Housing Input (See Separate Breakdown in this Section)	
		Ref	Transmission, Housing Output 1 (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Transmission, Housing Output 2 (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-3. TRANSMISSION, ENGINE CONNECTION



ART_1001170171_2-C

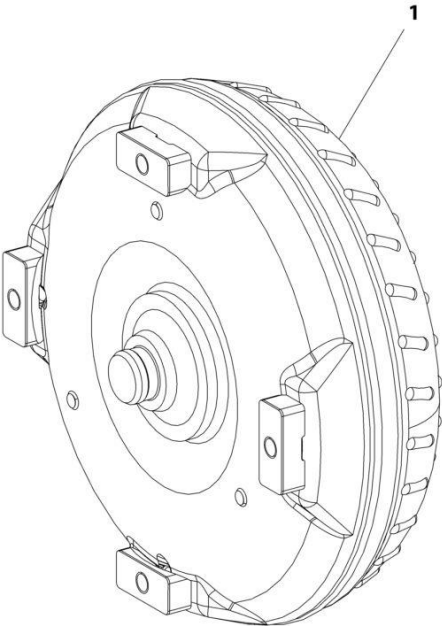
SECTION 5 - DRIVE TRAIN

FIGURE 5-3. TRANSMISSION, ENGINE CONNECTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, ENGINE CONNECTION	C
1	1319229	2	Diaphragm	
2	7026745	8	Washer, Thrust M10	
3	7026744	4	Bolt, M10X16	

SECTION 5 - DRIVE TRAIN

FIGURE 5-4. TRANSMISSION, CONVERTER



ART_1001170171_3-C

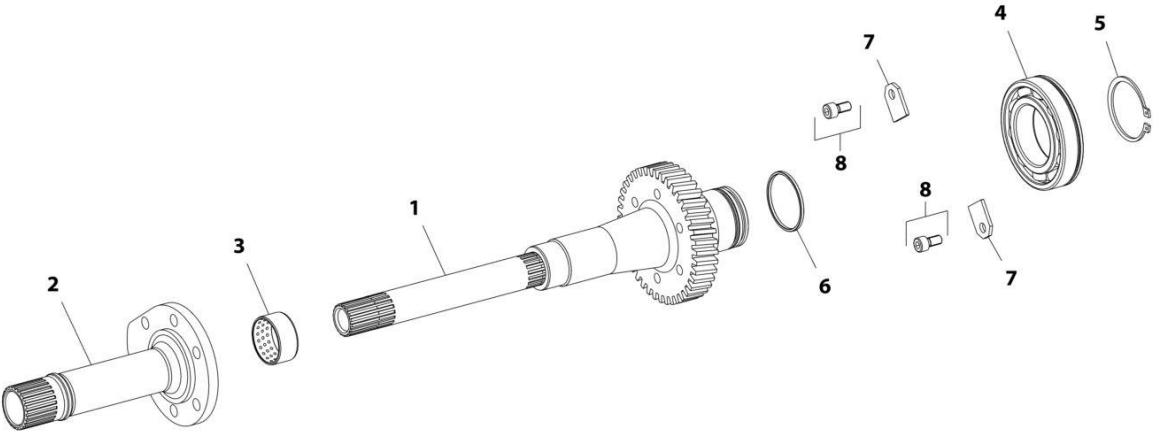
SECTION 5 - DRIVE TRAIN

FIGURE 5-4. TRANSMISSION, CONVERTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001170171 7026746	Ref 1	TRANSMISSION, CONVERTER Converter, Torque	C

SECTION 5 - DRIVE TRAIN

FIGURE 5-5. TRANSMISSION, INPUT



ART_1001170171_4-C

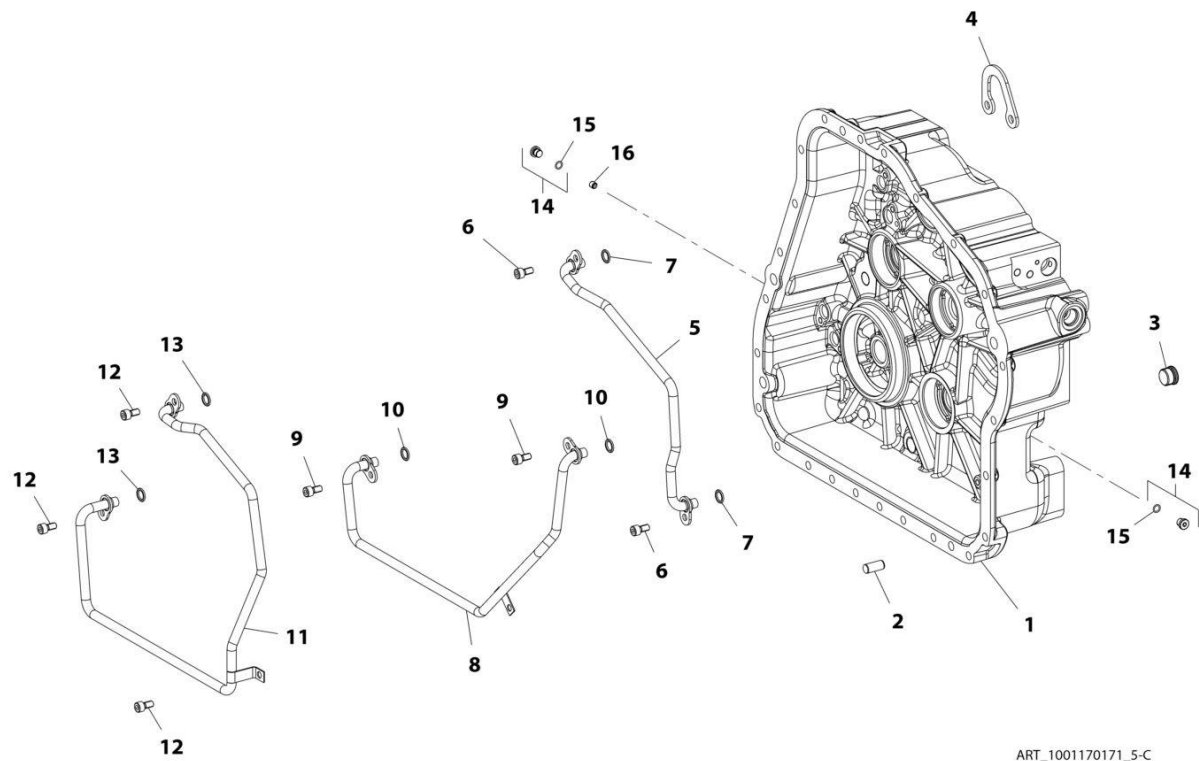
SECTION 5 - DRIVE TRAIN

FIGURE 5-5. TRANSMISSION, INPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, INPUT	C
1	7026747	1	Shaft, Turbine	
2	7026748	1	Shaft, Stator	
3	1319558	1	Bushing, Bearing	
4	1319563	1	Bearing, Ball	
5	80304405	1	Ring, Retaining	
6	7026749	1	Ring, Piston	
7	70026515	2	Strap	
8	70026516	2	Bolt, M8X16	

SECTION 5 - DRIVE TRAIN

FIGURE 5-6. TRANSMISSION, HOUSING GROUP 1



ART_1001170171_5-C

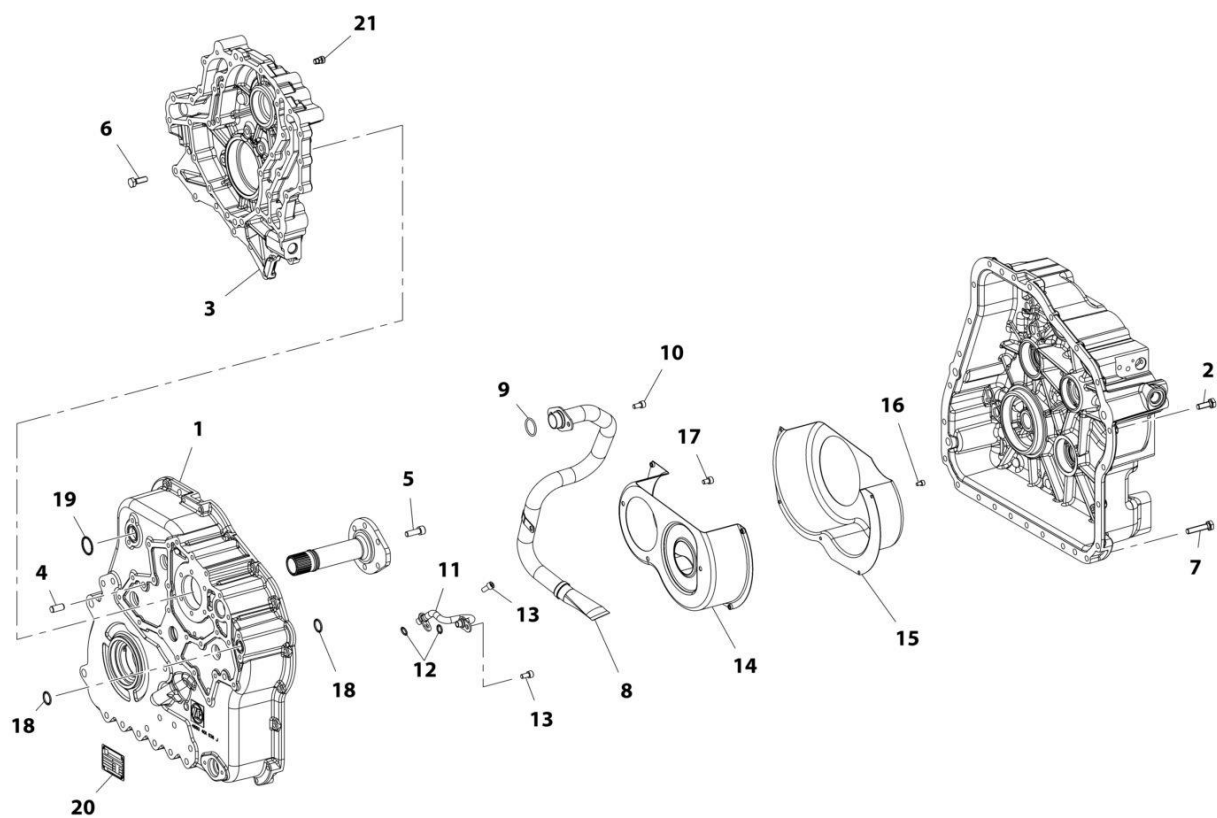
SECTION 5 - DRIVE TRAIN

FIGURE 5-6. TRANSMISSION, HOUSING GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, HOUSING GROUP 1	C
1	7029973	1	Housing	
2	1319571	2	Pin, Dowel	
3	70023404	1	Plug	
4	1319590	1	Bracket, Lift	
5	7026750	1	Pipe	
6	70026516	2	Bolt, M8X16	
7	8036847	2	O-Ring	
8	7026751	1	Pipe	
9	70026516	2	Bolt, M8X16	
10	8036847	2	O-Ring	
11	7026752	1	Pipe	
12	70026516	3	Bolt, M8X16	
13	8036847	2	O-Ring	
14	70026517	7	Plug, Screw	
15	10731709	7	O-Ring	
16	70026518	1	Nozzle	

SECTION 5 - DRIVE TRAIN

FIGURE 5-7. TRANSMISSION, HOUSING GROUP 2



ART_1001170171_6-C

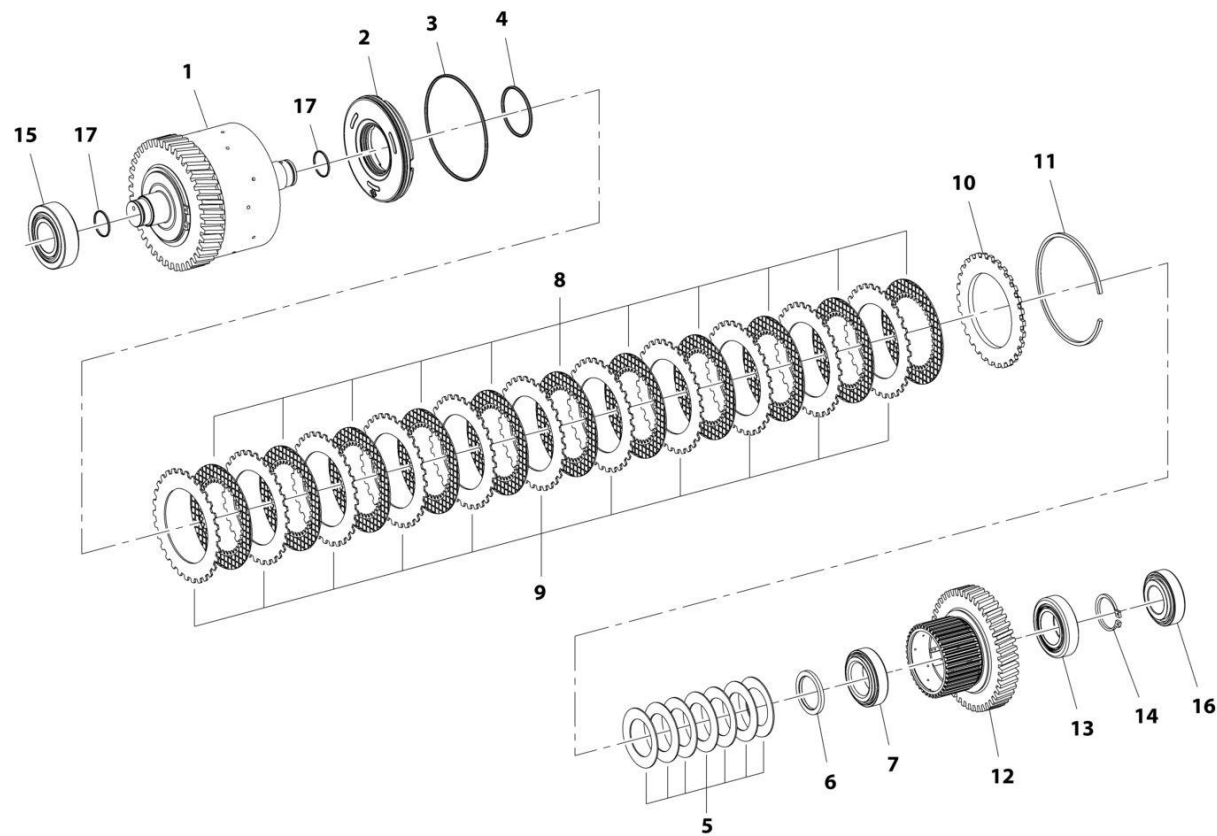
SECTION 5 - DRIVE TRAIN

FIGURE 5-7. TRANSMISSION, HOUSING GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, HOUSING GROUP 2	C
1	7029972	1	Housing	
2	80304394	18	Bolt, M10X30	
3	70021920	1	Housing, PTO	
4	1319571	2	Pin, Dowel	
5	70026519	6	Bolt, M10X30	
6	80304394	13	Bolt, M10X30	
7	7026794	6	Bolt, M10X50	
8	7026753	1	Tube, Suction	
9	70023885	1	O-Ring	
10	70026516	2	Bolt, M8X16	
11	7026754	1	Pipe	
12	8036847	2	O-Ring	
13	70026516	2	Bolt, M8X16	
14	7026755	1	Sheet, Screen	
15	7026756	1	Sheet, Screen	
16	70026520	5	Bolt, M6X10	
17	70026521	3	Bolt, M8X12	
18	7026792	2	O-Ring	
19	70023885	1	O-Ring	
20	N.S.S.	1	Plate, Serial Number	
21	10731744	1	Breather	

SECTION 5 - DRIVE TRAIN

FIGURE 5-8. TRANSMISSION, CLUTCH GROUP 1



ART_1001170171_7-C

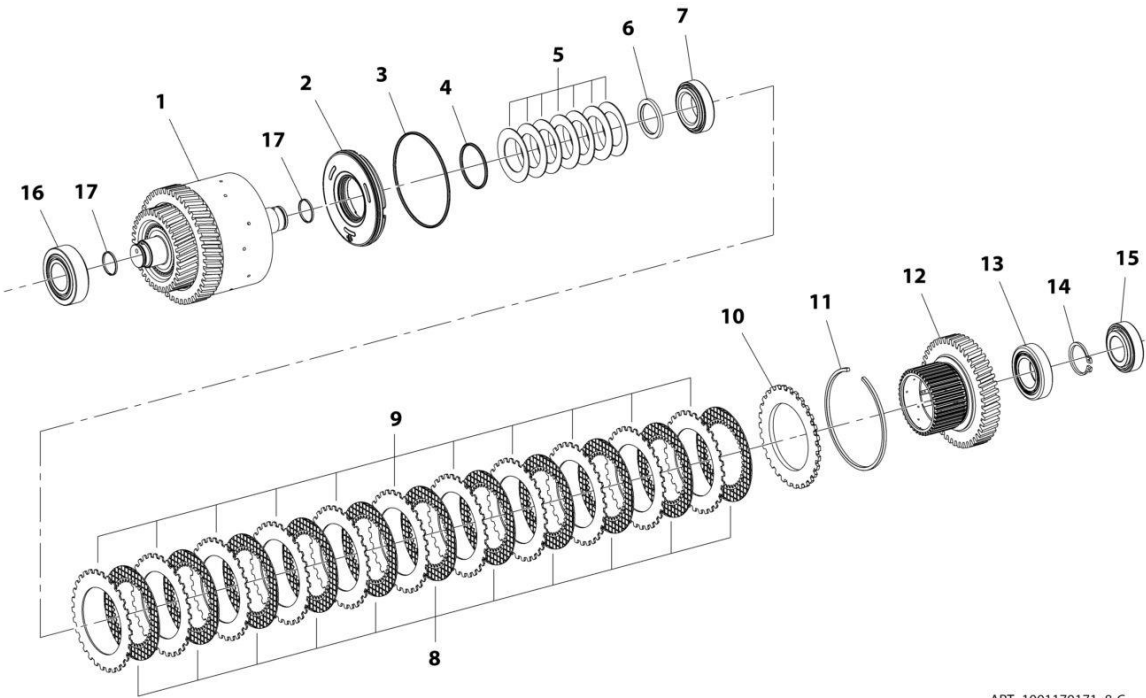
SECTION 5 - DRIVE TRAIN

FIGURE 5-8. TRANSMISSION, CLUTCH GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, CLUTCH GROUP 1	C
1	7026757	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	1319595	7	Spring, Cup	
6	1319617	1	Shim	
7	1319618	AR	Bearing, Roller	
8	7026758	11	Disc, Friction	
9	7026759	11	Disc, Clutch	
10	7026760	1	Shim	
11	70026527	AR	Ring, Snap 2.00	
11	70026528	AR	Ring, Snap 2.25	
11	70026529	AR	Ring, Snap 2.50	
11	7029852	AR	Ring	
11	1319602	AR	Ring	
11	7029849	AR	Ring	
11	1319601	AR	Ring	
11	7029850	AR	Ring	
11	1319600	AR	Ring	
12	1319638	1	Carrier, Inner Disc	
13	1319620	AR	Bearing, Roller	
14	1319632	AR	Ring	
14	1319631	AR	Ring	
14	1319630	AR	Ring	
14	1319629	AR	Ring	
14	1319628	AR	Ring	
14	1319627	AR	Ring	
14	1319626	AR	Ring	
14	1319625	AR	Ring	
14	1319624	AR	Ring	
14	1319623	AR	Ring	
14	1319622	AR	Ring	
14	1319621	AR	Ring	
15	1319615	1	Bearing, Roller	
16	1319636	1	Bearing, Roller	
17	7026761	2	Ring, Piston	

SECTION 5 - DRIVE TRAIN

FIGURE 5-9. TRANSMISSION, CLUTCH GROUP 2



ART_1001170171_8-C

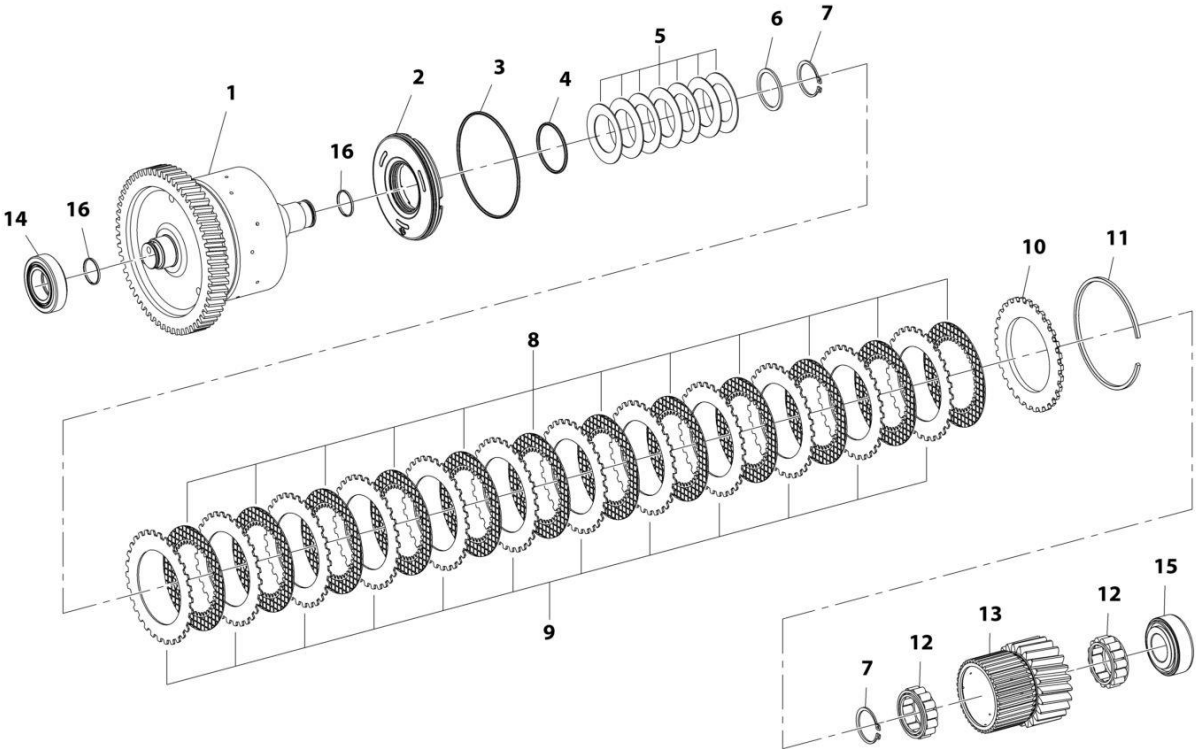
SECTION 5 - DRIVE TRAIN

FIGURE 5-9. TRANSMISSION, CLUTCH GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, CLUTCH GROUP 2	C
1	7026762	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	1319595	7	Spring, Cup	
6	1319617	1	Shim	
7	1319618	AR	Bearing, Roller	
8	7026758	11	Disc, Friction	
9	7026759	11	Disc, Static	
10	7026760	1	Shim	
11	70026527	AR	Ring, Snap 2.00	
11	70026528	AR	Ring, Snap 2.25	
11	70026529	AR	Ring, Snap 2.50	
11	7029852	AR	Ring	
11	1319602	AR	Ring	
11	7029849	AR	Ring	
11	1319601	AR	Ring	
11	7029850	AR	Ring	
11	1319600	AR	Ring	
12	1319638	1	Carrier, Disc	
13	1319620	1	Bearing, Roller	
14	1319632	AR	Ring	
14	1319631	AR	Ring	
14	1319630	AR	Ring	
14	1319629	AR	Ring	
14	1319628	AR	Ring	
14	1319627	AR	Ring	
14	1319626	AR	Ring	
14	1319625	AR	Ring	
14	1319624	AR	Ring	
14	1319623	AR	Ring	
14	1319622	AR	Ring	
14	1319621	AR	Ring	
15	1319615	1	Bearing, Roller	
16	1319636	1	Bearing, Roller	
17	7026761	2	Ring, Piston	

SECTION 5 - DRIVE TRAIN

FIGURE 5-10. TRANSMISSION, COUPLING GROUP 1



ART_1001170171_9-C

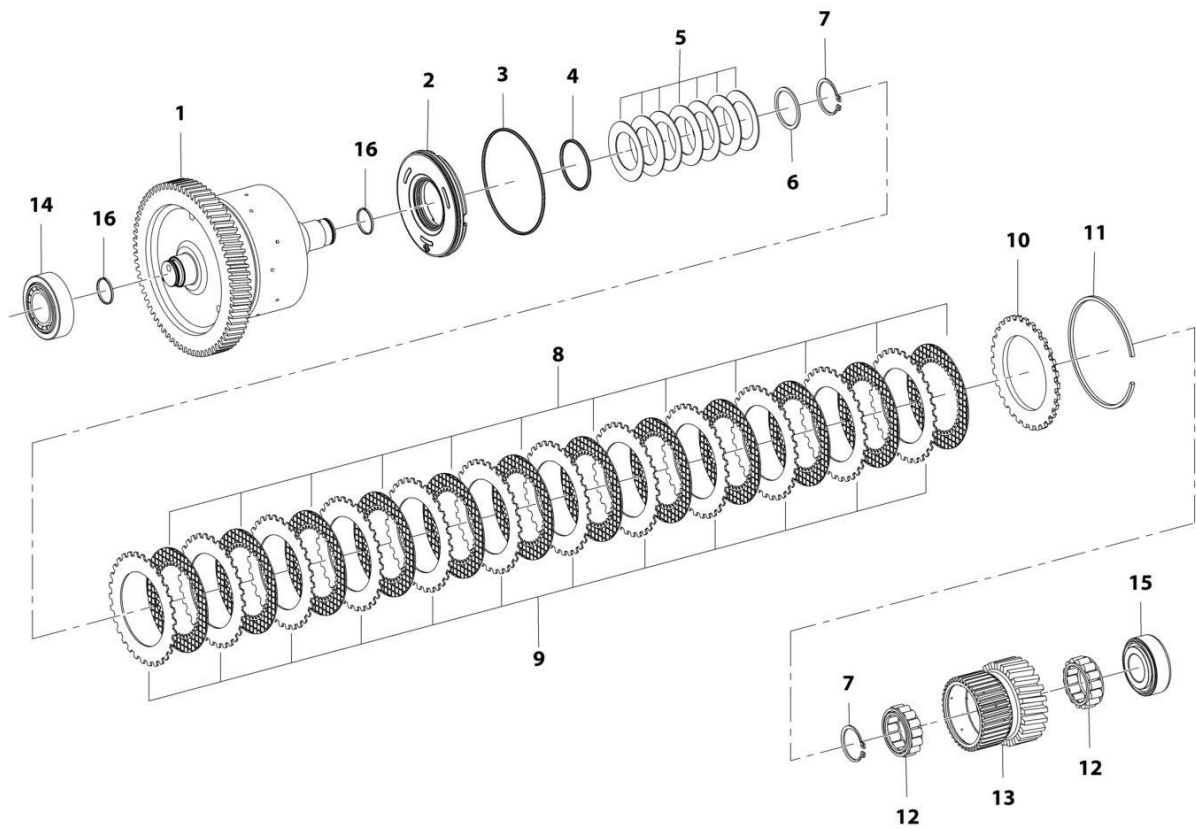
SECTION 5 - DRIVE TRAIN

FIGURE 5-10. TRANSMISSION, COUPLING GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, COUPLING GROUP 1	C
1	70026530	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	1319595	7	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	12	Disc, Friction	
9	7026759	12	Disc, Clutch	
10	7026760	1	Shim	
11	70026527	AR	Ring, Snap 2.00	
11	70026528	AR	Ring, Snap 2.25	
11	70026529	AR	Ring, Snap 2.50	
11	7029852	AR	Ring	
11	1319602	AR	Ring	
11	7029849	AR	Ring	
11	1319601	AR	Ring	
11	7029850	AR	Ring	
11	1319600	AR	Ring	
12	1319605	AR	Cage, Roller	
13	1319607	1	Carrier, Disc	
14	1319608	1	Bearing, Roller	
15	8036190	1	Bearing, Roller	
16	7026761	2	Piston Ring	

SECTION 5 - DRIVE TRAIN

FIGURE 5-11. TRANSMISSION, COUPLING GROUP 2



ART_1001170171_10-C

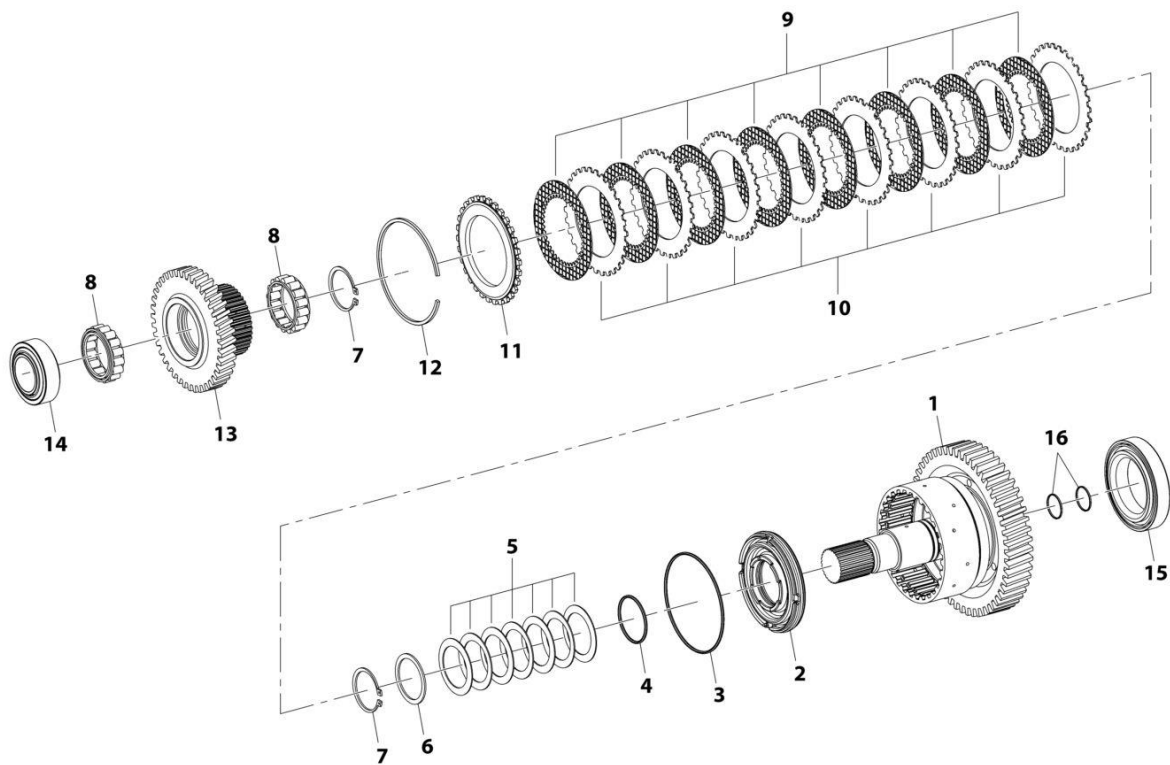
SECTION 5 - DRIVE TRAIN

FIGURE 5-11. TRANSMISSION, COUPLING GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, COUPLING GROUP 2	C
1	70026531	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	1319595	7	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	12	Disc, Friction	
9	7026759	12	Disc, Clutch	
10	7026760	1	Shim	
11	70026527	AR	Ring, Snap 2.00	
11	70026528	AR	Ring, Snap 2.25	
11	70026529	AR	Ring, Snap 2.50	
11	7029852	AR	Ring	
11	1319602	AR	Ring	
11	7029849	AR	Ring	
11	1319601	AR	Ring	
11	7029850	AR	Ring	
11	1319600	AR	Ring	
12	1319605	AR	Bearing, Roller	
13	1319614	1	Carrier, Disc	
14	1319615	1	Bearing, Roller	
15	8036190	1	Bearing, Roller	
16	7026761	2	Ring, Piston	

SECTION 5 - DRIVE TRAIN

FIGURE 5-12. TRANSMISSION, COUPLING GROUP 3



ART_1001170171_11-C

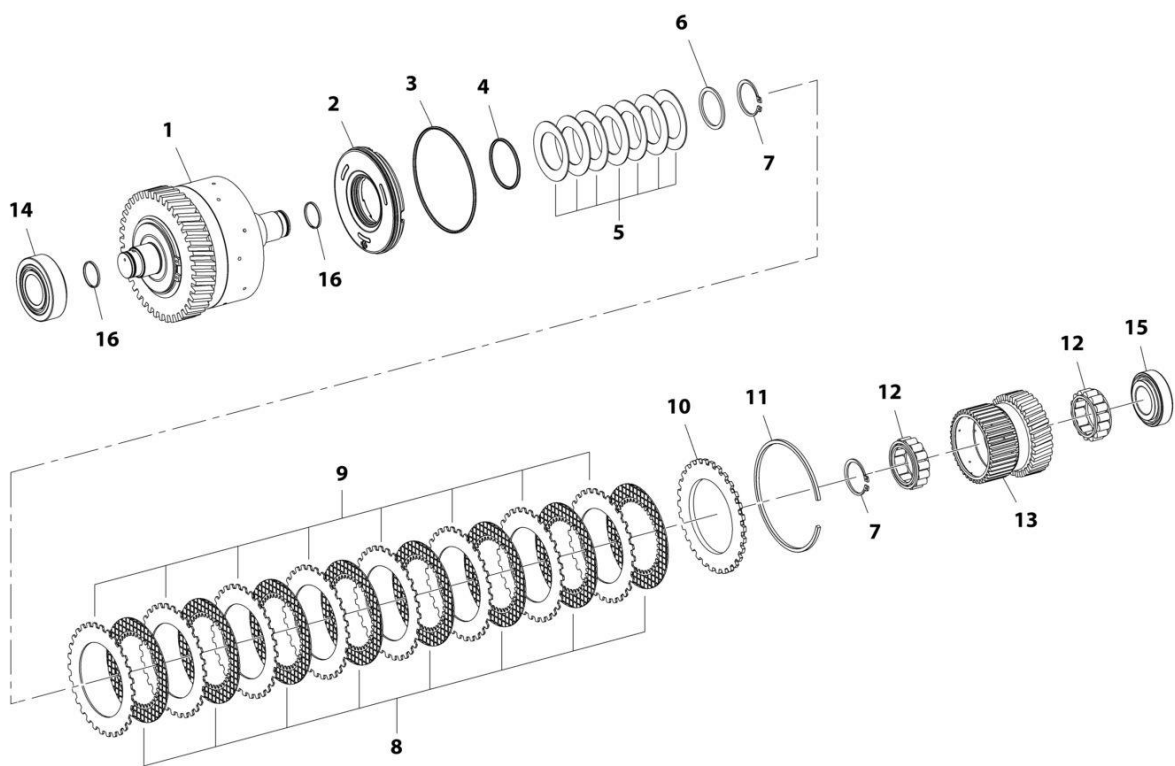
SECTION 5 - DRIVE TRAIN

FIGURE 5-12. TRANSMISSION, COUPLING GROUP 3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, COUPLING GROUP 3	C
1	70026532	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	7026765	7	Spring, Cup	
6	7026766	1	Washer	
7	80304227	AR	Ring, Retaining	
8	70021227	AR	Ring	
8	70021228	AR	Cage, Roller	
9	7026758	AR	Disc, Friction	
10	7026759	AR	Disc, Clutch	
11	7026760	AR	Shim	
12	70026527	AR	Ring	
12	70026528	AR	Ring	
12	70026529	AR	Ring	
12	7029852	AR	Ring	
12	1319602	AR	Ring	
12	7029849	AR	Ring	
12	1319601	AR	Ring	
12	7029850	AR	Ring	
12	1319600	AR	Ring	
13	7027267	1	Carrier, Disc	
14	70021268	1	Bearing, Outer Ring	
14	70021269	1	Bearing, Inner Ring	
15	7026769	AR	Bearing, Roller	
16	7026761	2	Ring, Piston	

SECTION 5 - DRIVE TRAIN

FIGURE 5-13. TRANSMISSION, COUPLING GROUP 4



ART_1001170171_12-C

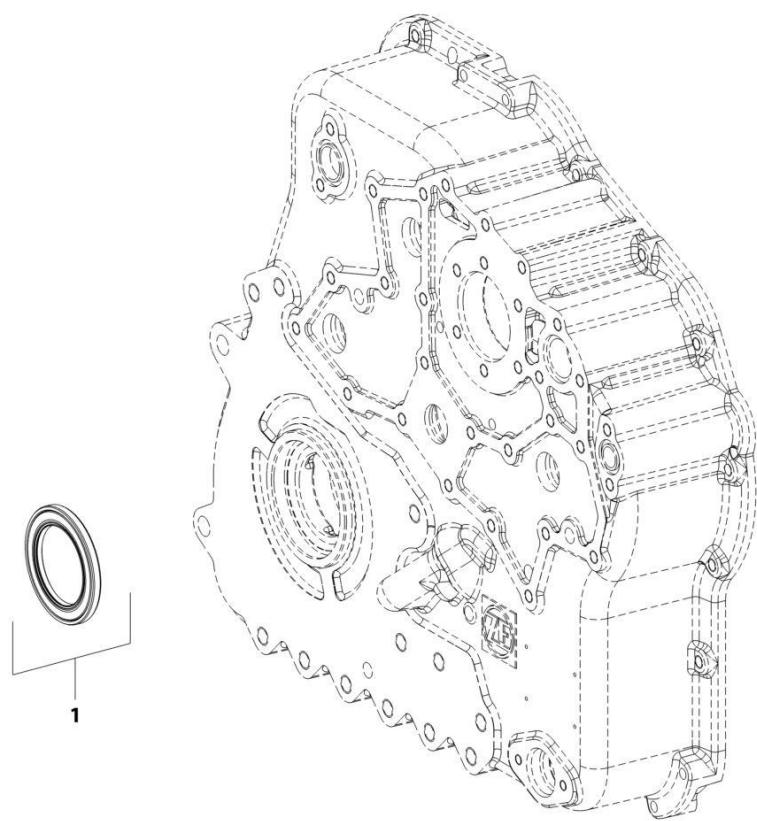
SECTION 5 - DRIVE TRAIN

FIGURE 5-13. TRANSMISSION, COUPLING GROUP 4

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, COUPLING GROUP 4	C
1	70026535	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	1319595	7	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	8	Disc, Friction	
9	7026759	8	Disc, Clutch	
10	7026760	1	Shim	
11	70026527	AR	Ring, Snap 2.00	
11	70026528	AR	Ring, Snap 2.25	
11	70026529	AR	Ring, Snap 2.50	
11	7029852	AR	Ring	
11	1319602	AR	Ring	
11	7029849	AR	Ring	
11	1319601	AR	Ring	
11	7029850	AR	Ring	
11	1319600	AR	Ring	
12	1319605	AR	Bearing, Roller	
13	1319635	1	Carrier, Disc	
14	1319615	1	Bearing, Roller	
15	1319636	1	Bearing, Roller	
16	7026761	2	Ring, Piston	

SECTION 5 - DRIVE TRAIN

FIGURE 5-14. TRANSMISSION, OUTPUT



ART_1001170171_13-C

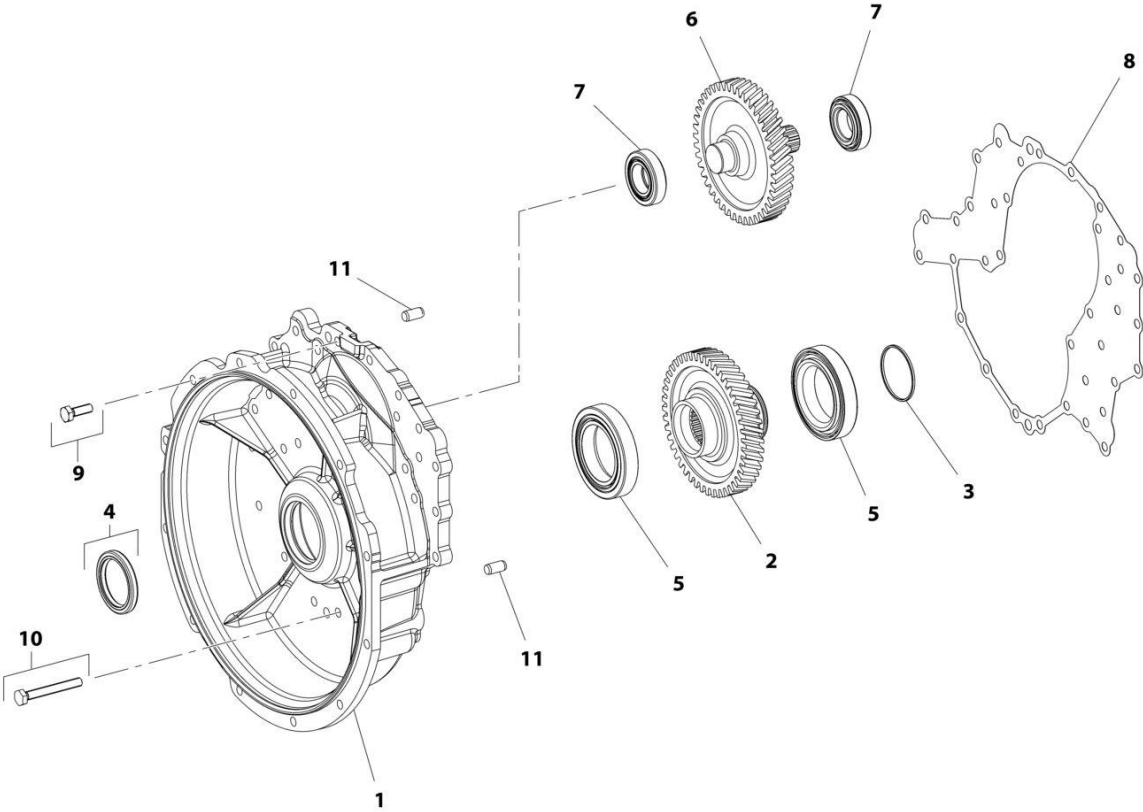
SECTION 5 - DRIVE TRAIN

FIGURE 5-14. TRANSMISSION, OUTPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001170171 70026536	Ref 1	TRANSMISSION, OUTPUT Seal, Shaft	C

SECTION 5 - DRIVE TRAIN

FIGURE 5-15. TRANSMISSION, POWER TAKE-OFF



ART_1001170171_14-C

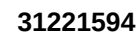
SECTION 5 - DRIVE TRAIN

FIGURE 5-15. TRANSMISSION, POWER TAKE-OFF

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, POWER TAKE-OFF	C
1	70021526	1	Housing	
2	7026771	1	Shaft	
3	7026772	1	Ring, Piston	
4	1319576	1	Seal, Shaft	
5	7026769	AR	Bearing, Roller	
6	7026773	1	Shaft	
7	1319608	AR	Bearing, Roller	
8	7026774	1	Gasket	
9	80304394	21	Bolt, M10X30	
10	7026775	15	Bolt, M10X80	
11	1319571	2	Pin	

356

1043



ART_1001170171_15-C

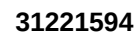
SECTION 5 - DRIVE TRAIN

FIGURE 5-16. TRANSMISSION, CONTROL UNIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, CONTROL UNIT	C
1	7026776	1	Gasket	
2	70026538	1	Plate	
3	70026539	1	Sheet, Intermediate	
4	7026780	46	Bolt, M8X16	
5	7026781	16	Bolt, M8X60 (includes washer)	
5	10732095	16	Washer	
6	8036529	3	Valve, Solenoid (includes items 7 thru 10)	
7	N.S.S.	3	O-Ring	
8	N.S.S.	3	O-Ring	
9	N.S.S.	3	O-Ring	
10	N.S.S.	3	O-Ring	
11	7029267	3	Bracket	
12	70026544	3	Bolt, M6X12	
13	8036528	1	Valve, Solenoid (includes items 14 thru 16)	
14	N.S.S.	1	O-Ring	
15	N.S.S.	1	O-Ring	
16	N.S.S.	1	O-Ring	
17	7029267	1	Bracket	
18	70026544	1	Bolt, M6X12	

358

1043



ART_1001170171_16-C

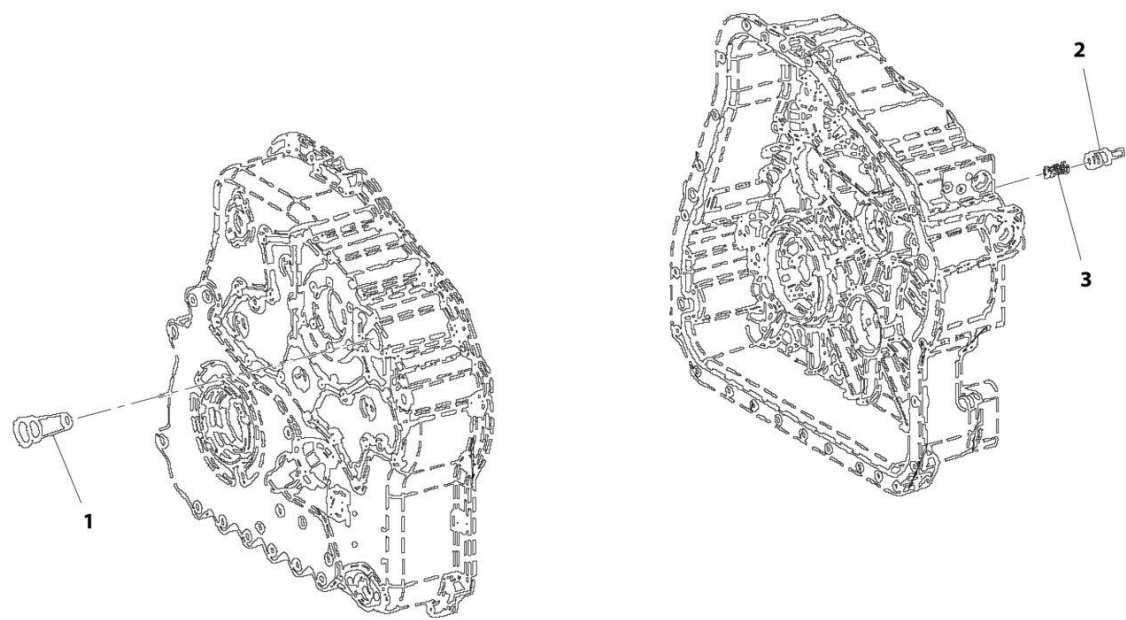
SECTION 5 - DRIVE TRAIN

FIGURE 5-17. TRANSMISSION, SHIFT SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, SHIFT SYSTEM	C
1	70026561	1	Assembly, Shift System (includes all items)	
2	70026546	1	Housing, Valve	
3	70026547	1	Piston, Control	
4	1319683	1	Spring	
5	1319684	1	Spring	
6	1319689	AR	Washer	
6	1319688	AR	Washer	
6	1319687	AR	Washer	
6	1319686	AR	Washer	
6	1319685	AR	Washer	
7	70026548	1	Piston	
8	70026549	1	Nozzle	
9	1319694	1	Assembly, Valve (includes items 10 thru 13)	
10	N.S.S.	1	Piston	
11	N.S.S.	2	Spring, Compression	
12	N.S.S.	2	Sleeve, Spring	
13	N.S.S.	2	Ring, Snap	
14	7026787	1	Spacer	
15	70026554	1	Plug, Screw (includes o-ring)	
15	70000656	1	O-Ring	
16	8036528	2	Valve, Solenoid (includes items 17 thru 19)	
17	N.S.S.	2	O-Ring	
18	N.S.S.	2	O-Ring	
19	N.S.S.	2	O-Ring	
20	7029267	2	Bracket	
21	70026544	2	Bolt, M6X12	
22	7026788	1	Gasket	
23	7026789	1	Cover	
24	70026555	2	Screw, Torx M6X23	
25	70026556	4	Screw, Torx M6X52	
26	70026517	2	Plug, Screw (includes o-ring)	
26	10731709	2	O-Ring	
27	10732071	1	Ball	
28	10732072	1	Spring	

SECTION 5 - DRIVE TRAIN

FIGURE 5-18. TRANSMISSION, PRESSURE REGULATOR



ART_1001170171_17-C

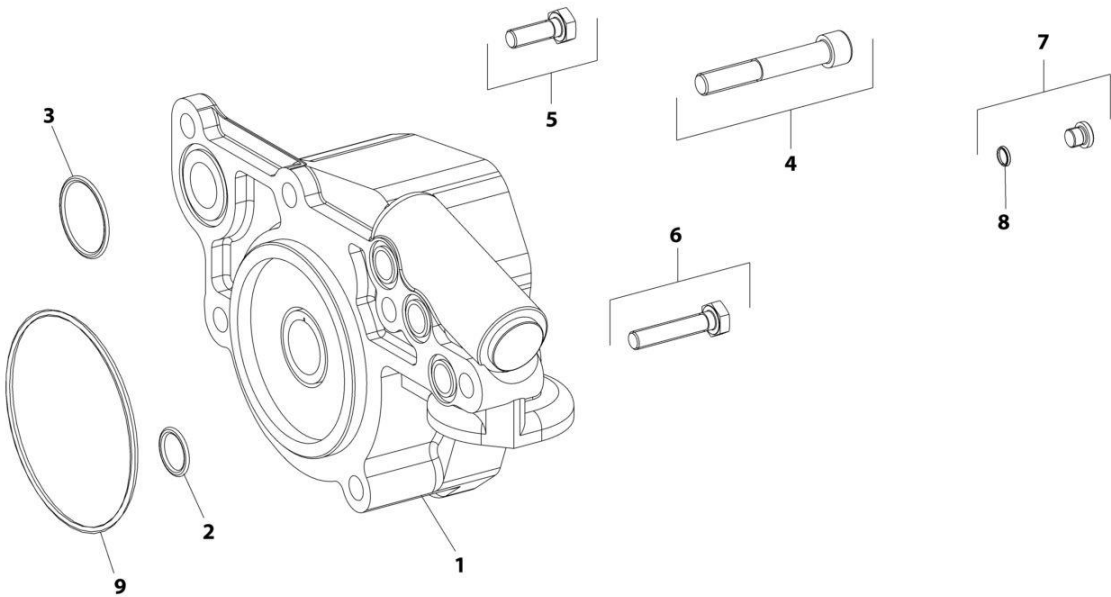
SECTION 5 - DRIVE TRAIN

FIGURE 5-18. TRANSMISSION, PRESSURE REGULATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, PRESSURE REGULATOR	C
1	7026782	1	Valve	
2	7026783	1	Piston	
3	7026784	1	Spring	

SECTION 5 - DRIVE TRAIN

FIGURE 5-19. TRANSMISSION, PRESSURE OIL PUMP



ART_1001170171_18-C

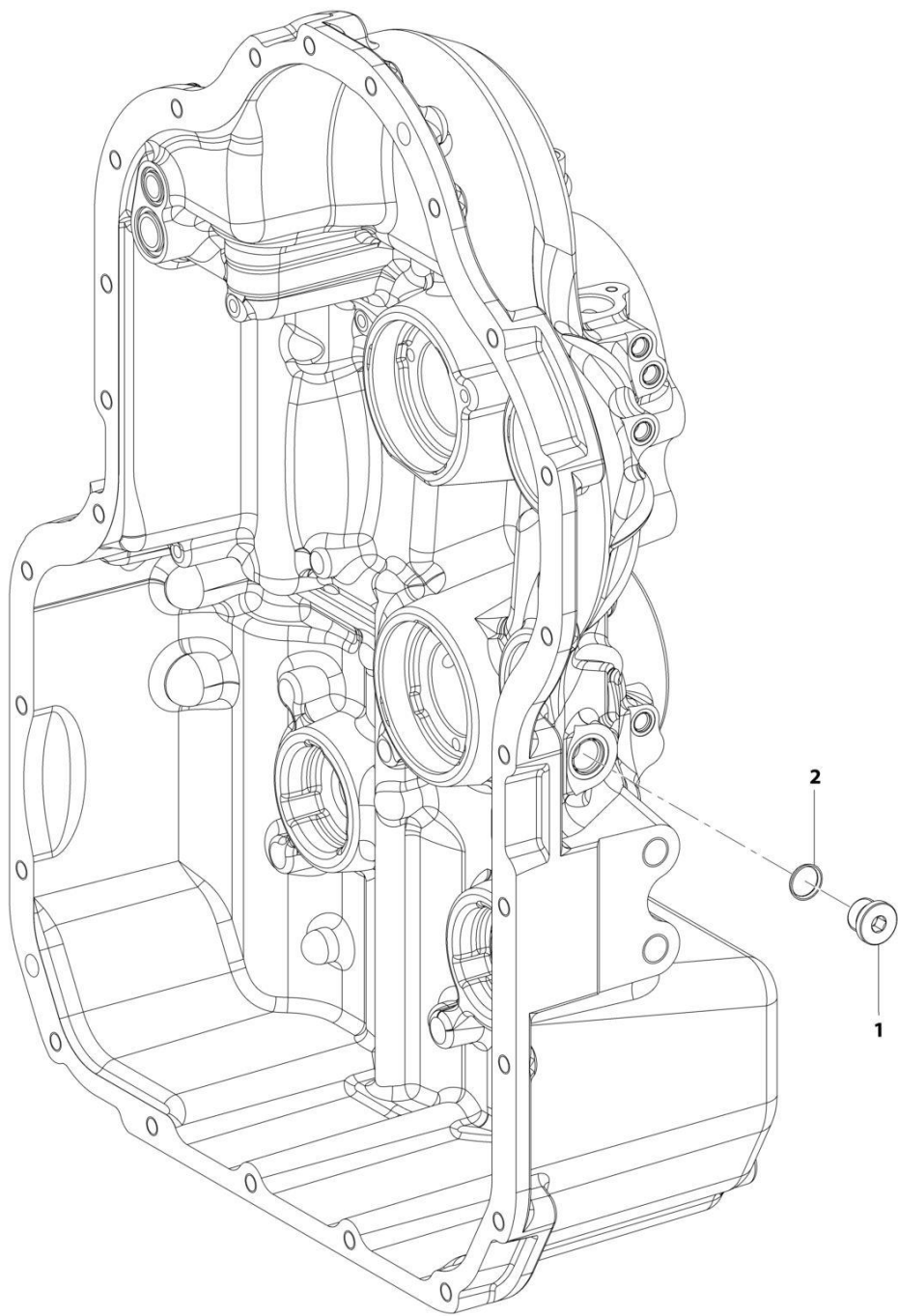
SECTION 5 - DRIVE TRAIN

FIGURE 5-19. TRANSMISSION, PRESSURE OIL PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, PRESSURE OIL PUMP	C
1	7026791	1	Pump	
2	7026792	3	O-Ring	
3	1319719	1	O-Ring	
4	7026793	4	Bolt, M12X80	
5	80304394	1	Bolt, M10X30	
6	7026794	1	Bolt, M10X50	
7	70026517	2	Plug, Screw	
8	10731709	2	O-Ring	
9	8036250	1	O-RING (located between oil pump and transmission)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-20. TRANSMISSION, INDUCTIVE TRANSMITTER



ART_1001170171_19-C

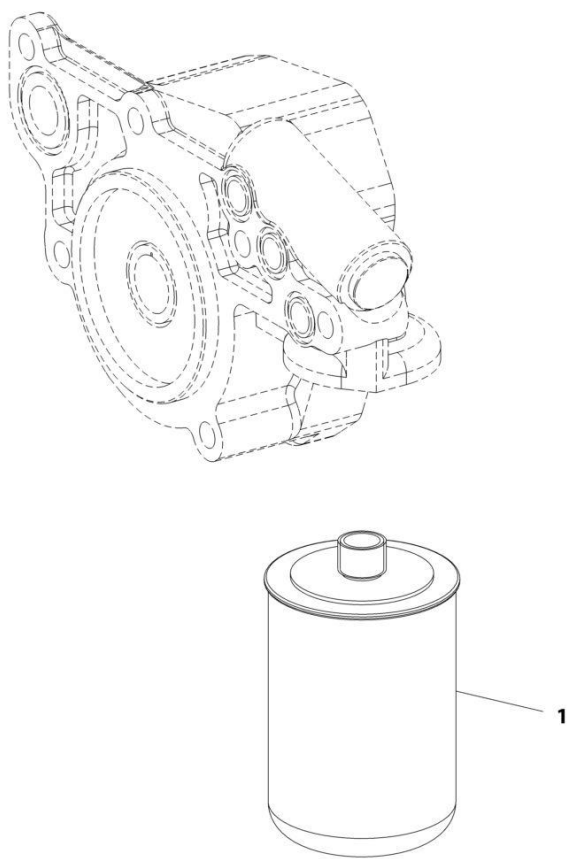
SECTION 5 - DRIVE TRAIN

FIGURE 5-20. TRANSMISSION, INDUCTIVE TRANSMITTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, INDUCTIVE TRANSMITTER	C
1	70024895	1	Plug, Screw (includes o-ring)	
2	N.S.S.	1	O-Ring	

SECTION 5 - DRIVE TRAIN

FIGURE 5-21. TRANSMISSION, FILTER



ART_1001170171_20-C

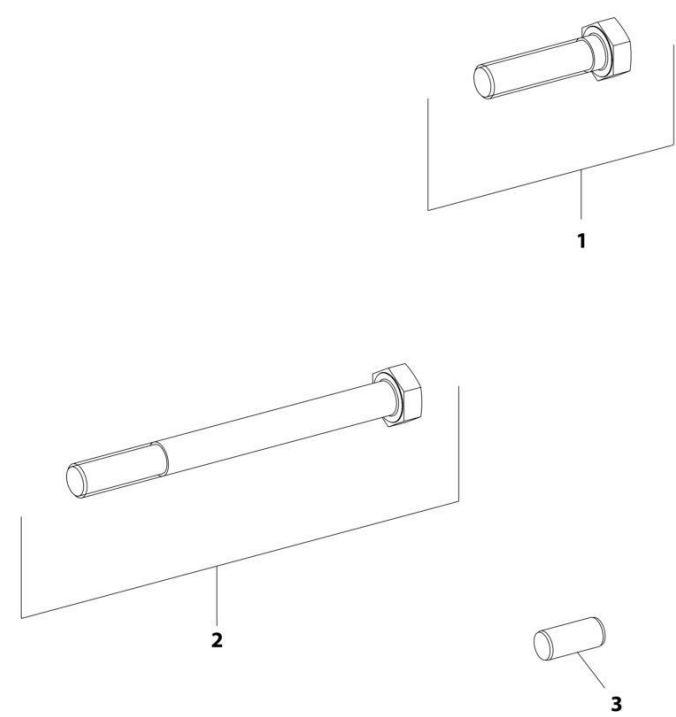
SECTION 5 - DRIVE TRAIN

FIGURE 5-21. TRANSMISSION, FILTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001170171 1319726	Ref 1	TRANSMISSION, FILTER Filter	C

SECTION 5 - DRIVE TRAIN

FIGURE 5-22. TRANSMISSION, ACCESSORIES GROUP 1



ART_1001170171_21-C

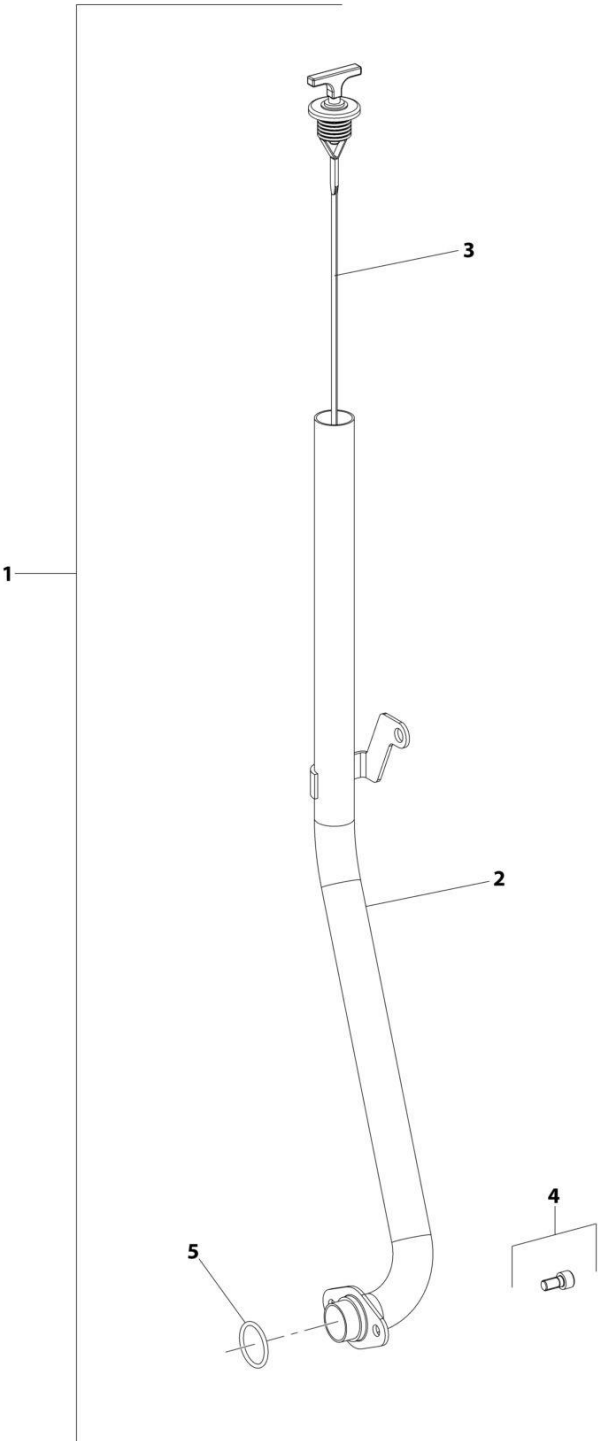
SECTION 5 - DRIVE TRAIN

FIGURE 5-22. TRANSMISSION, ACCESSORIES GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, ACCESSORIES GROUP 1	C
1	7027254	12	Bolt, M14X55	
2	7027255	2	Bolt, M14X150	
3	1319571	1	Pin	

SECTION 5 - DRIVE TRAIN

FIGURE 5-23. TRANSMISSION, PERIPHERALS GROUP 1



ART_1001170171_22-C

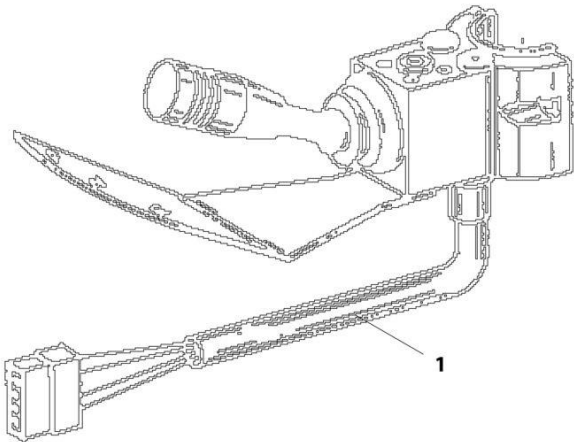
SECTION 5 - DRIVE TRAIN

FIGURE 5-23. TRANSMISSION, PERIPHERALS GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, PERIPHERALS GROUP 1	C
1	1001095738	1	Kit, Oil Level Dipstick (includes items 2 & 3)	
2	1001095744	1	Tube, Oil Level	
3	8841322	1	Dipstick, Oil Level	
4	70026516	2	Bolt, M8X16	
5	70023885	1	O-Ring	

SECTION 5 - DRIVE TRAIN

FIGURE 5-24. TRANSMISSION, PERIPHERALS GROUP 2



ART_1001170171_23

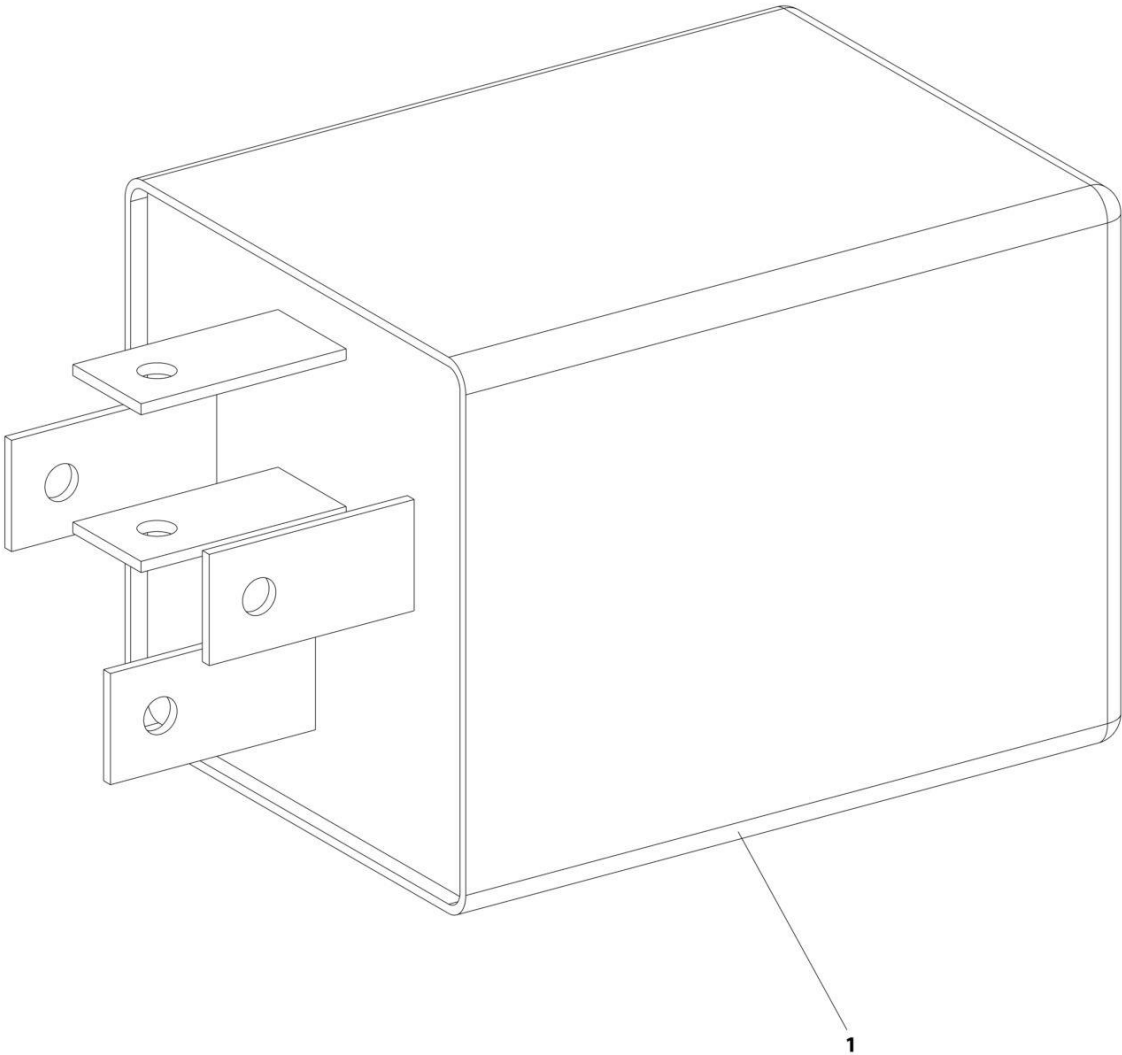
SECTION 5 - DRIVE TRAIN

FIGURE 5-24. TRANSMISSION, PERIPHERALS GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001170171 70026558	Ref 1	TRANSMISSION, PERIPHERALS GROUP 2 Selector, Range	C

SECTION 5 - DRIVE TRAIN

FIGURE 5-25. TRANSMISSION, ACCESSORIES GROUP 2



ART_1001170171_24-C

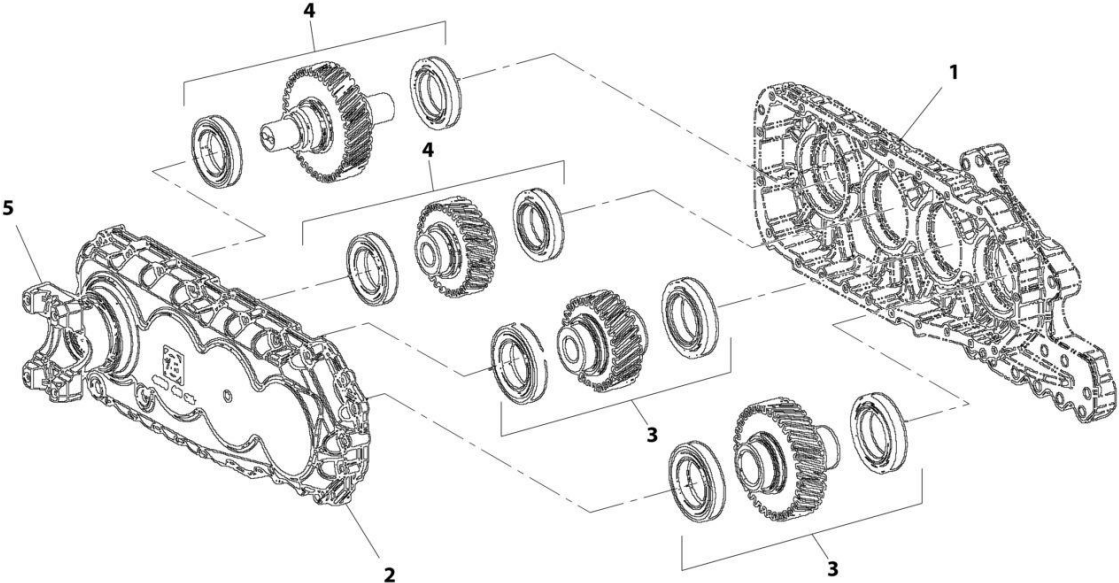
SECTION 5 - DRIVE TRAIN

FIGURE 5-25. TRANSMISSION, ACCESSORIES GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001170171 70026559	Ref 1	TRANSMISSION, ACCESSORIES GROUP 2 Relay	C

SECTION 5 - DRIVE TRAIN

FIGURE 5-26. TRANSMISSION, TRANSFER BOX



ART_1001170171_25-C

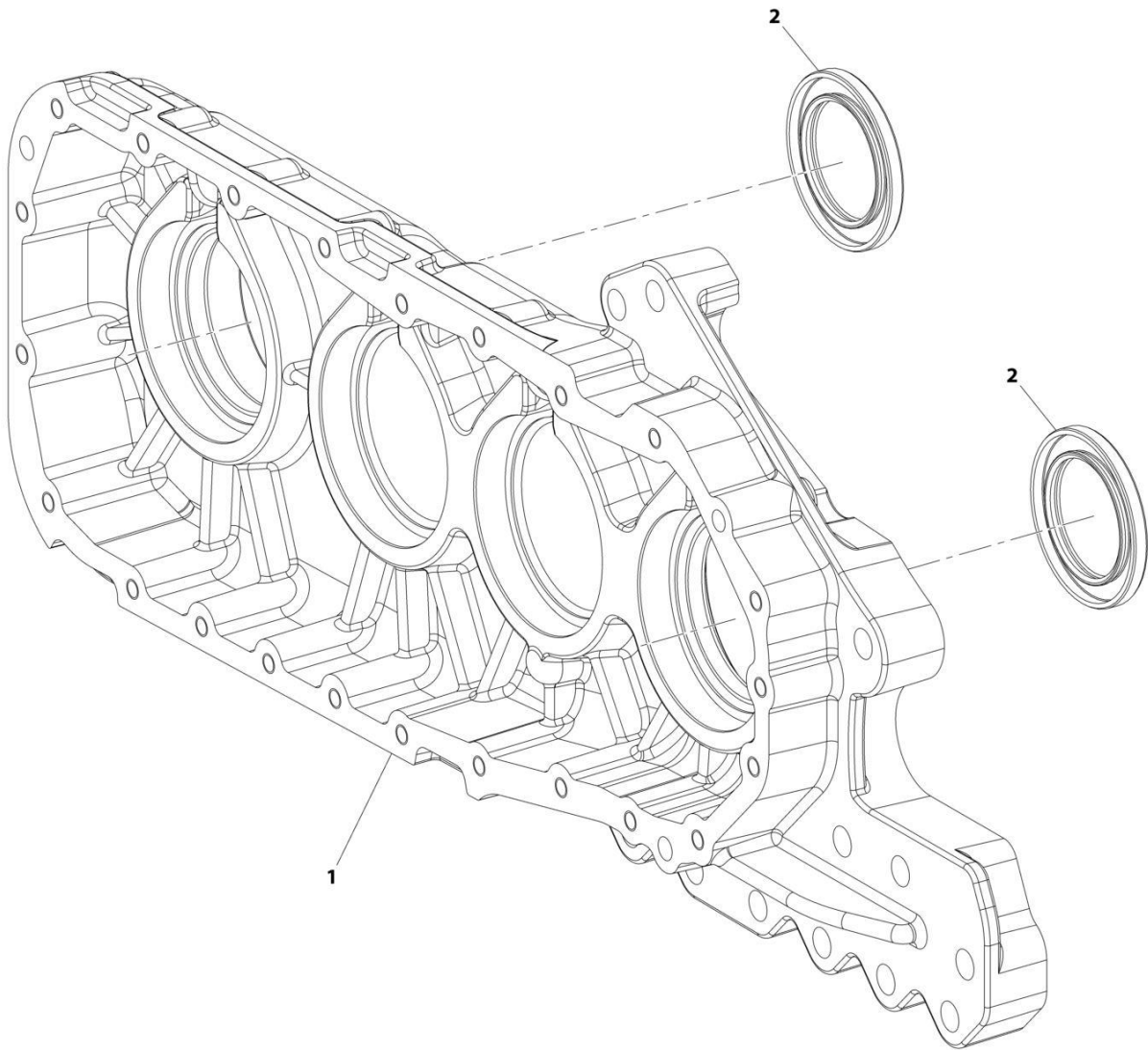
SECTION 5 - DRIVE TRAIN

FIGURE 5-26. TRANSMISSION, TRANSFER BOX

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX	C
	70023502	1	Box Transfer (includes all items)	
1	N.S.S.	Ref	Housing 1, Transfer Box (See Separate Breakdown in this Section)	
2	N.S.S.	Ref	Housing 2, Transfer Box (See Separate Breakdown in this Section)	
3	N.S.S.	Ref	Input, Transfer Box (See Separate Breakdown in this Section)	
4	N.S.S.	Ref	Output 1, Transfer Box (See Separate Breakdown in this Section)	
5	N.S.S.	Ref	Output 2, Transfer Box (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-27. TRANSMISSION, TRANSFER BOX HOUSING 1



ART_1001170171_26-C

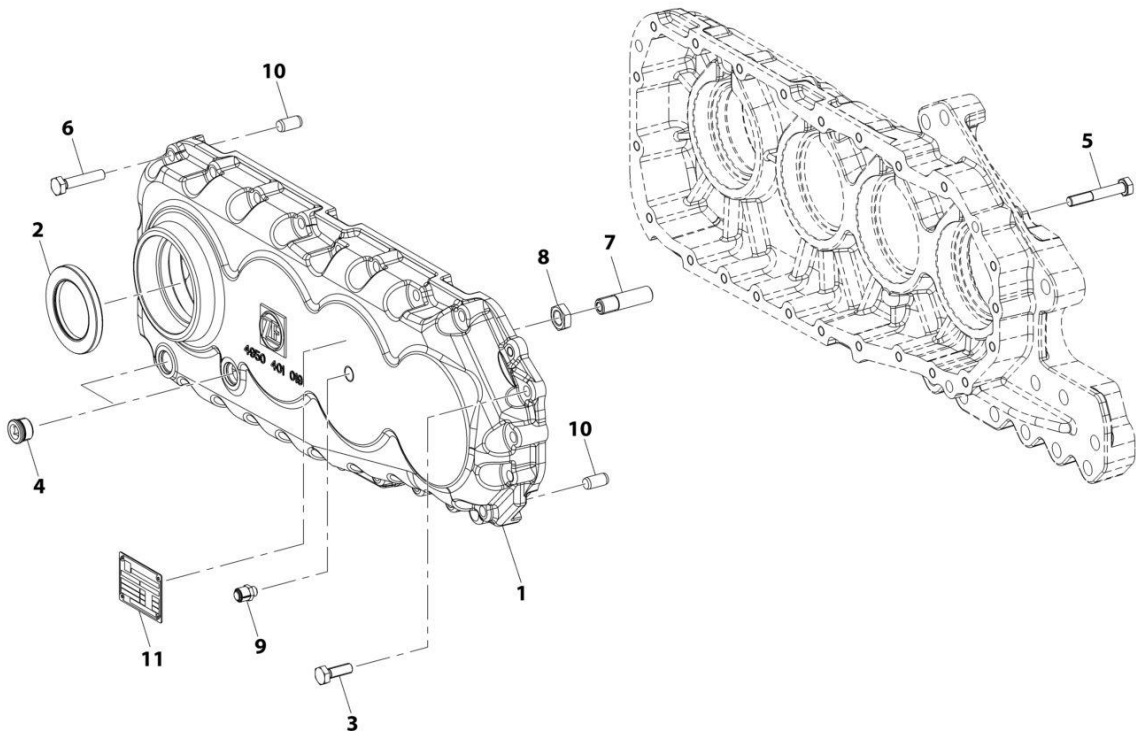
SECTION 5 - DRIVE TRAIN

FIGURE 5-27. TRANSMISSION, TRANSFER BOX HOUSING 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX HOUSING 1	C
1	70023474	1	Housing, Transfer Box	
2	70026536	2	Seal, Shaft	

SECTION 5 - DRIVE TRAIN

FIGURE 5-28. TRANSMISSION, TRANSFER BOX HOUSING 2



ART_1001170171_27-C

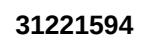
SECTION 5 - DRIVE TRAIN

FIGURE 5-28. TRANSMISSION, TRANSFER BOX HOUSING 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX HOUSING 2	C
1	70023475	1	Housing	
2	70026536	1	Seal, Shaft	
3	70023800	1	Bolt, M10X30	
4	70023404	2	Plug	
5	70023476	1	Bolt, M10X65	
6	70023801	22	Bolt, M10X50	
7	7026577	1	Sleeve	
8	7026578	1	Nut, M16	
9	1319436	1	Breather	
10	1319571	2	Pin	
11	N.S.S.	1	Plate, Serial Number	

382

1043



ART_1001170171_28-C

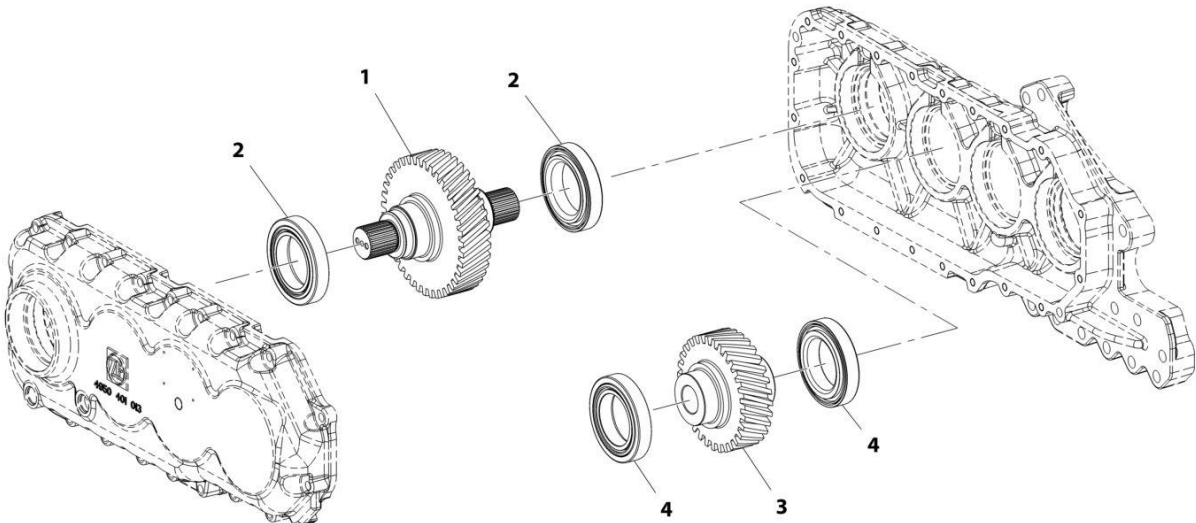
SECTION 5 - DRIVE TRAIN

FIGURE 5-29. TRANSMISSION, TRANSFER BOX HOUSING INPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX HOUSING INPUT	C
1	7027269	1	Shaft	
2	7027270	1	Gear, Idler	
3	7026769	2	Bearing, Roller	
4	1320748	2	Cup, Tapered Roller	
4	1320754	2	Cone, Tapered Roller	

SECTION 5 - DRIVE TRAIN

FIGURE 5-30. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 1



ART_1001170171_29-C

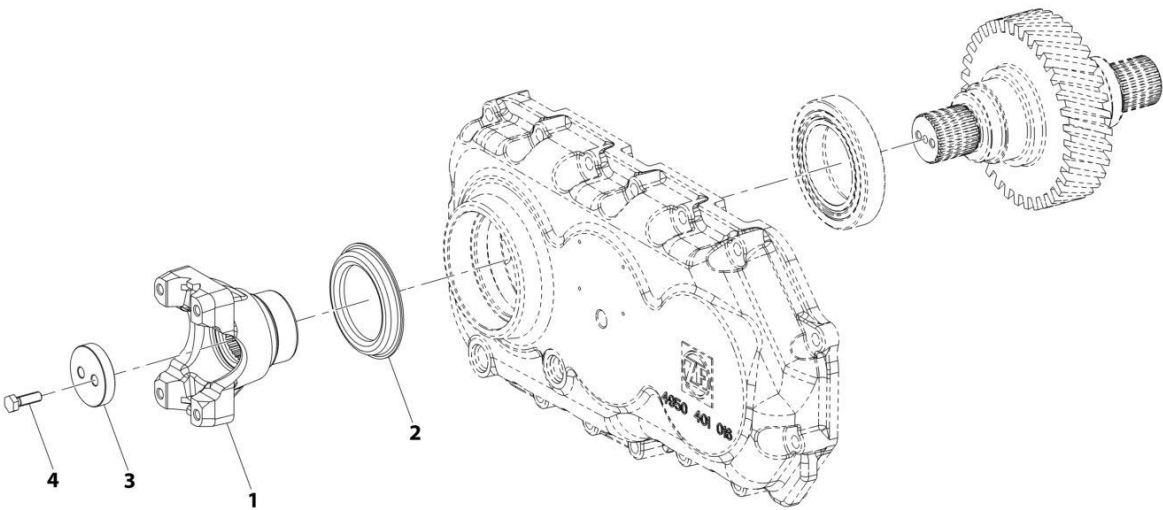
SECTION 5 - DRIVE TRAIN

FIGURE 5-30. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 1	C
1	7027271	1	Gear, Output	
2	7026769	2	Bearing, Roller	
3	7027272	1	Gear, Idler	
4	1320748	2	Cup, Tapered Roller	
4	1320754	2	Cone, Tapered Roller	

SECTION 5 - DRIVE TRAIN

FIGURE 5-31. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 2



ART_1001170171_30-C

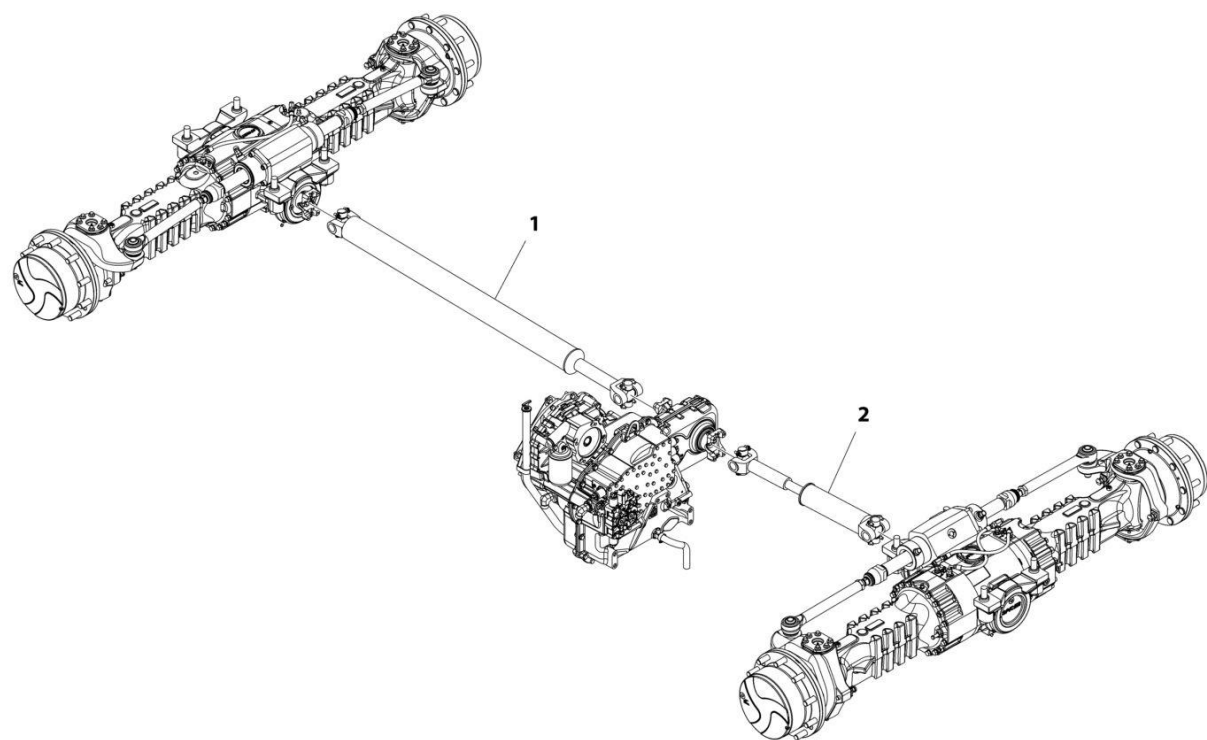
SECTION 5 - DRIVE TRAIN

FIGURE 5-31. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 2	C
1	7027273	2	Flange (one per side)	
2	1319647	2	Sheet, Screen (one per side)	
3	1319648	2	Washer, (one per side)	
4	10731959	4	Bolt, M8X25 (two per side)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-32. DRIVE SHAFTS INSTALLATION



ART_1001169350-A

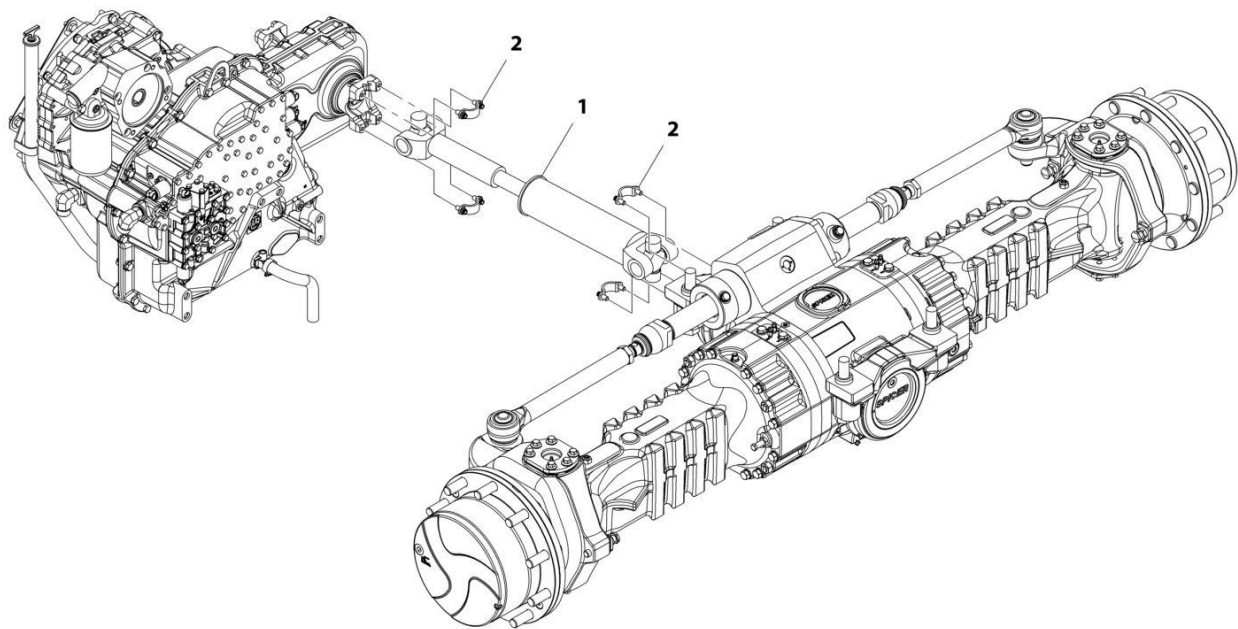
SECTION 5 - DRIVE TRAIN

FIGURE 5-32. DRIVE SHAFTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001169350	Ref	Drive Shafts Installation	A
	1001169351	Ref	Installation, Rear Drive Shaft (See Separate Breakdown in this Section)	
2	1001172954	Ref	Installation, Front Drive Shaft (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-33. FRONT DRIVE SHAFT INSTALLATION



ART_1001172954-A

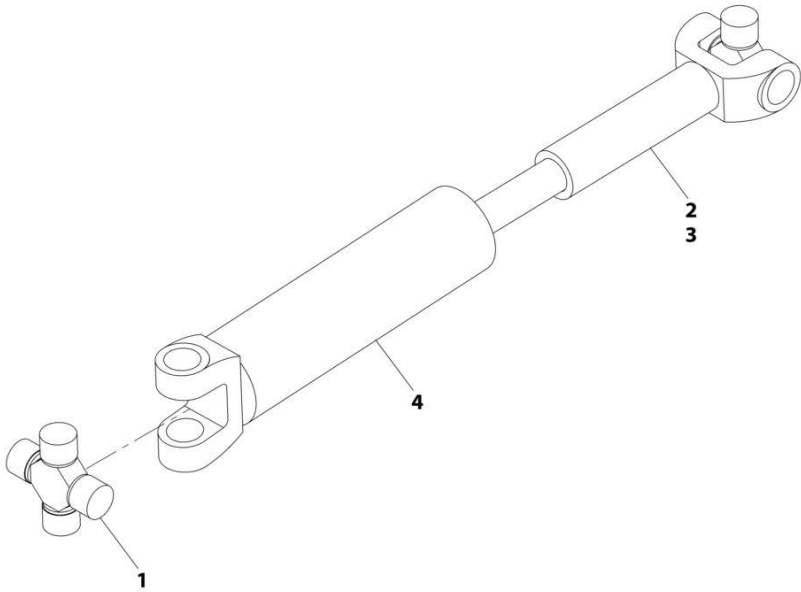
SECTION 5 - DRIVE TRAIN

FIGURE 5-33. FRONT DRIVE SHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172954	Ref	Front Drive Shaft Installation	A
1	7150580	1	Drive Shaft, Front (See Separate Breakdown in this Section)	
2	8880218-OM	2	Kit, Strap	

SECTION 5 - DRIVE TRAIN

FIGURE 5-34. FRONT DRIVE SHAFT ASSEMBLY



ART_7150580-D

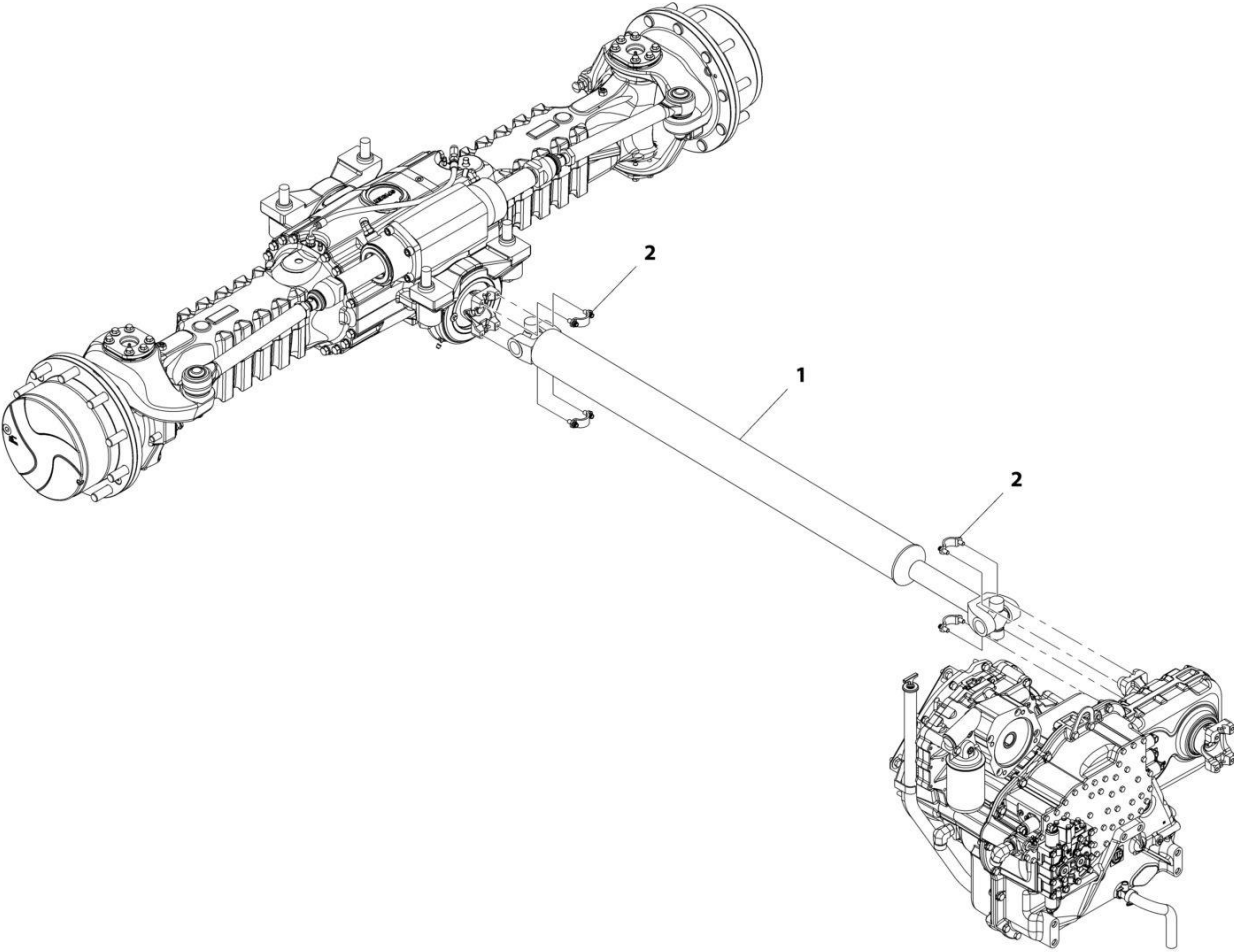
SECTION 5 - DRIVE TRAIN

FIGURE 5-34. FRONT DRIVE SHAFT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150580	Ref	Front Drive Shaft Assembly	D
1	8036433	4	Kit, Cross and Bearing	
2	8035779	2	Kit, Dust Cap	
3	N.S.S.	1	Joint, Slip	
4	N.S.S.	1	Shaft, Yoke	

SECTION 5 - DRIVE TRAIN

FIGURE 5-35. REAR DRIVE SHAFT INSTALLATION



ART_1001169351-A

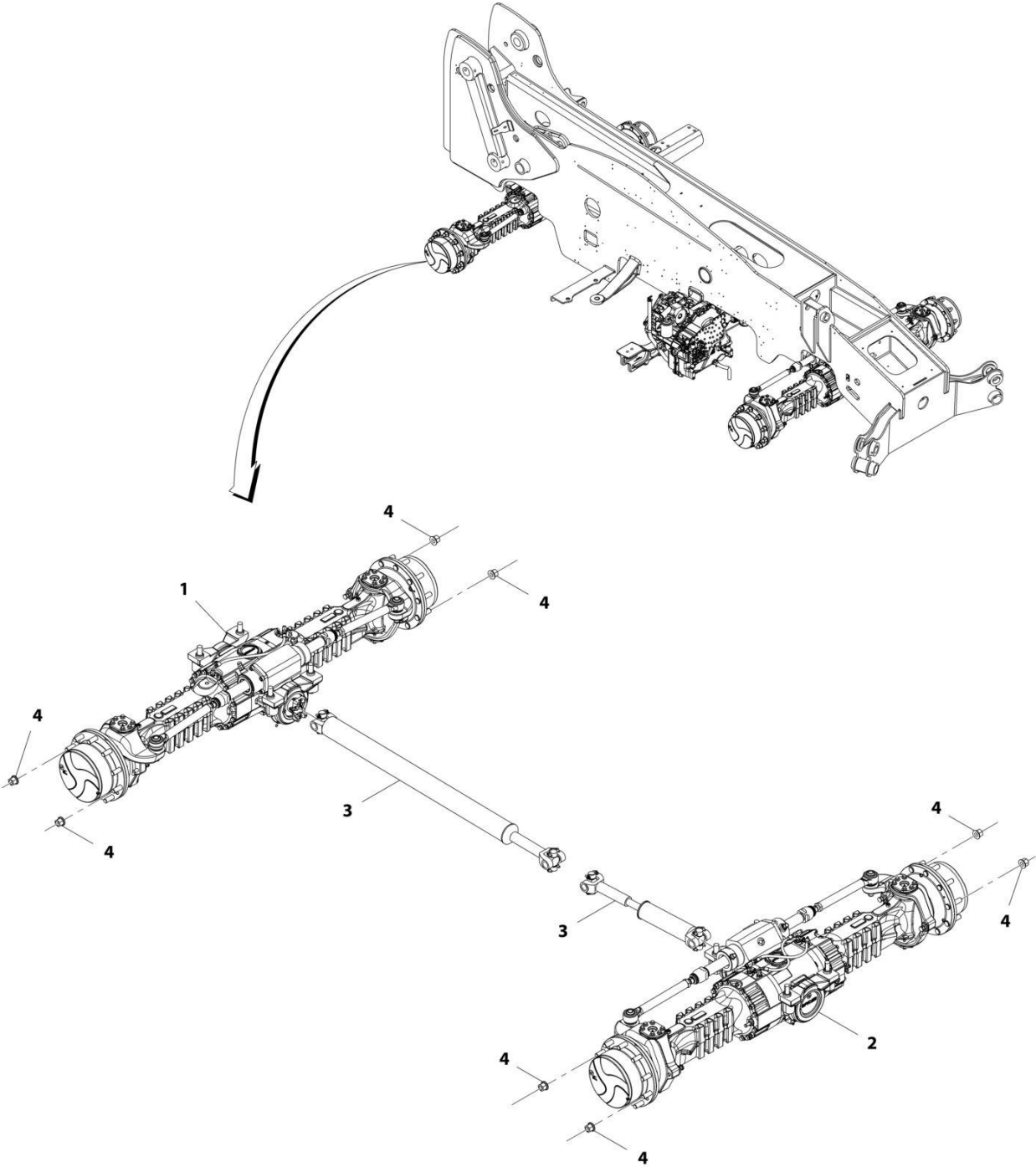
SECTION 5 - DRIVE TRAIN

FIGURE 5-35. REAR DRIVE SHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169351	Ref	Rear Drive Shaft Installation	A
1	1001170616	1	Drive Shaft, Rear	
2	8880218-OM	2	Kit, Strap	

SECTION 5 - DRIVE TRAIN

FIGURE 5-36. DRIVETRAIN INSTALLATION



ART_1001168786-B

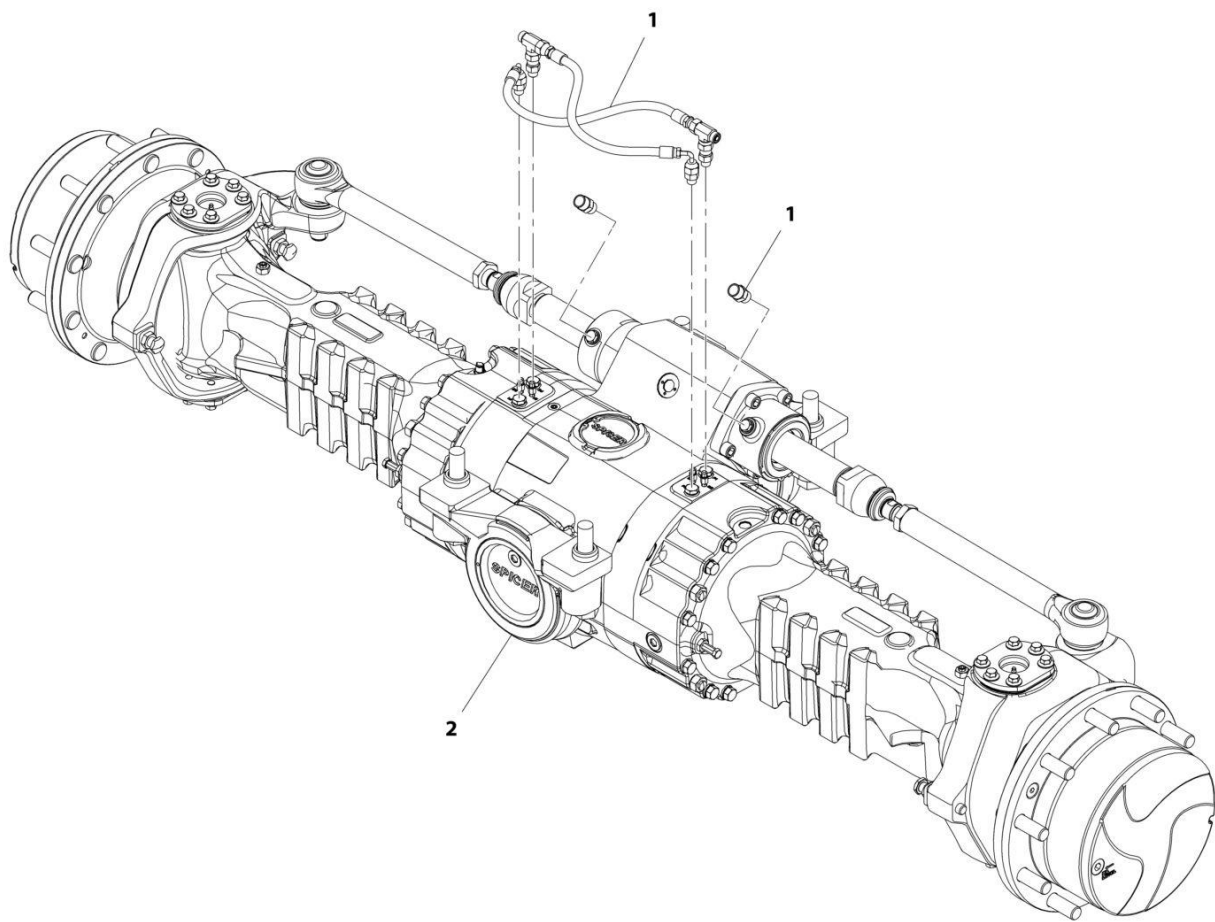
SECTION 5 - DRIVE TRAIN

FIGURE 5-36. DRIVETRAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168786	Ref	Drivetrain Installation	B
1	1001168783	Ref	Installation, Rear Axle (See Separate Breakdown in this Section)	
2	1001168785	Ref	Installation, Front Axle (See Separate Breakdown in this Section)	
3	1001169350	Ref	Installation, Drive Shafts (See Separate Breakdown in this Section)	
4	91403193	40	Nut, Lug M22X1.5	

SECTION 5 - DRIVE TRAIN

FIGURE 5-37. FRONT AXLE INSTALLATION



ART_1001168785-A

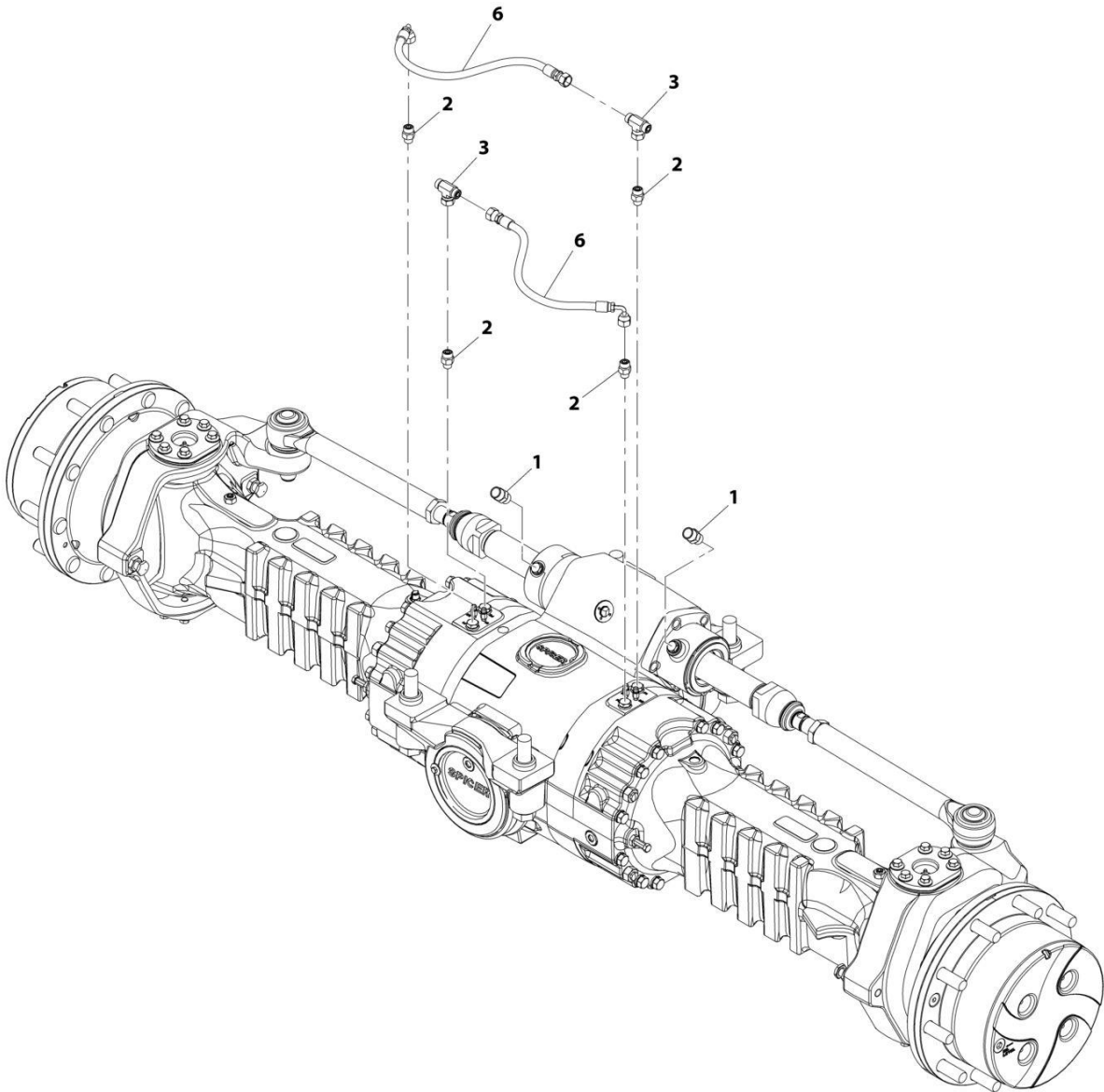
SECTION 5 - DRIVE TRAIN

FIGURE 5-37. FRONT AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001168785	Ref	Front Axle Installation	A
	1001161421	Ref	Installation, Front Axle Lines (See Separate Breakdown in this Section)	
2	1001168784	Ref	Installation, Front Axle Mounting (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-38. FRONT AXLE LINES INSTALLATION



ART_1001161421-D

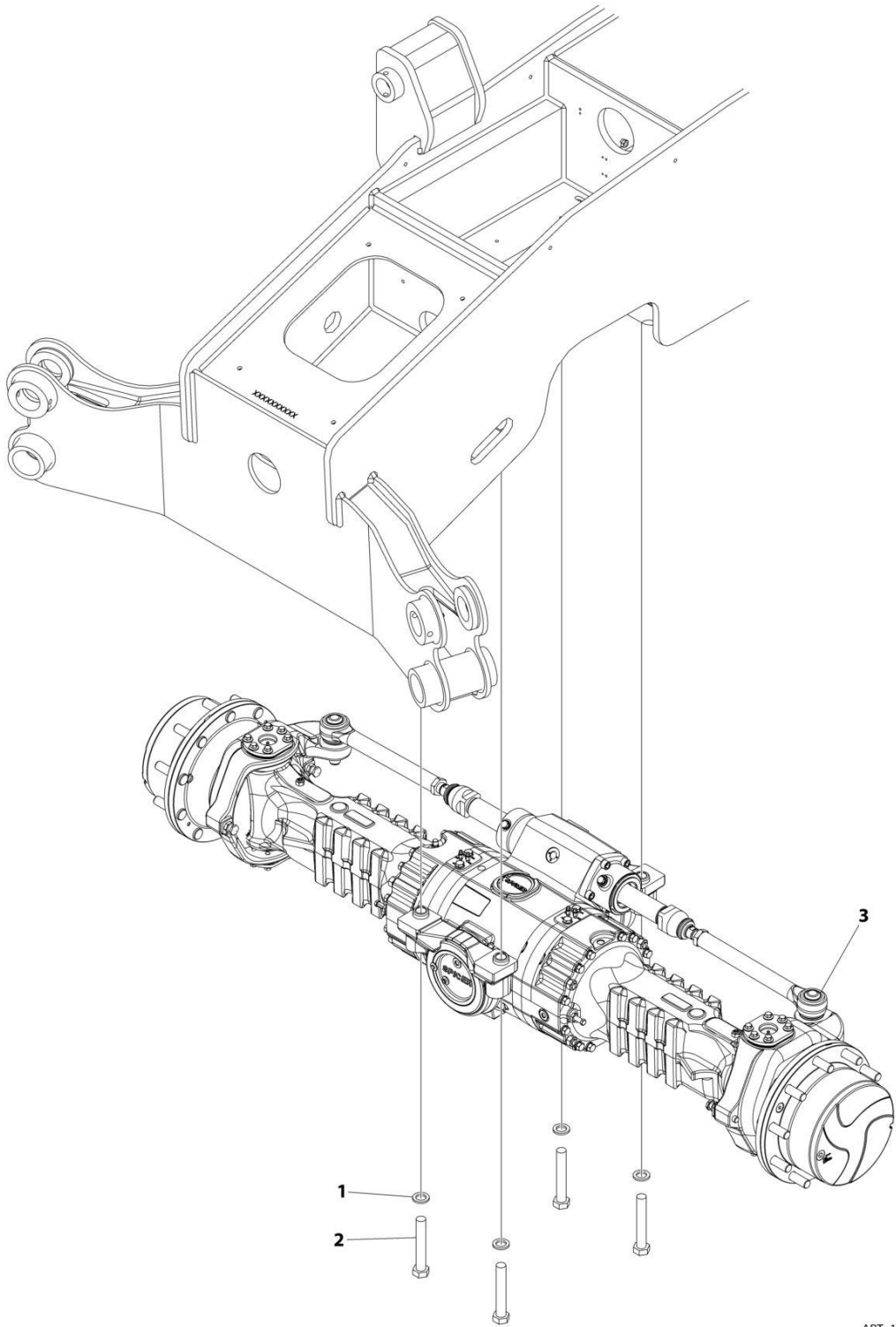
SECTION 5 - DRIVE TRAIN

FIGURE 5-38. FRONT AXLE LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161421	Ref	Front Axle Lines Installation	D
1	2110808	2	Fitting, Straight ORFS	
2	2144605	4	Fitting, Straight ORFS	
3	2170806	2	Fitting, Tee ORFS	
6	1001097810	2	Hose	

SECTION 5 - DRIVE TRAIN

FIGURE 5-39. FRONT AXLE MOUNTING INSTALLATION



ART_1001168784_D

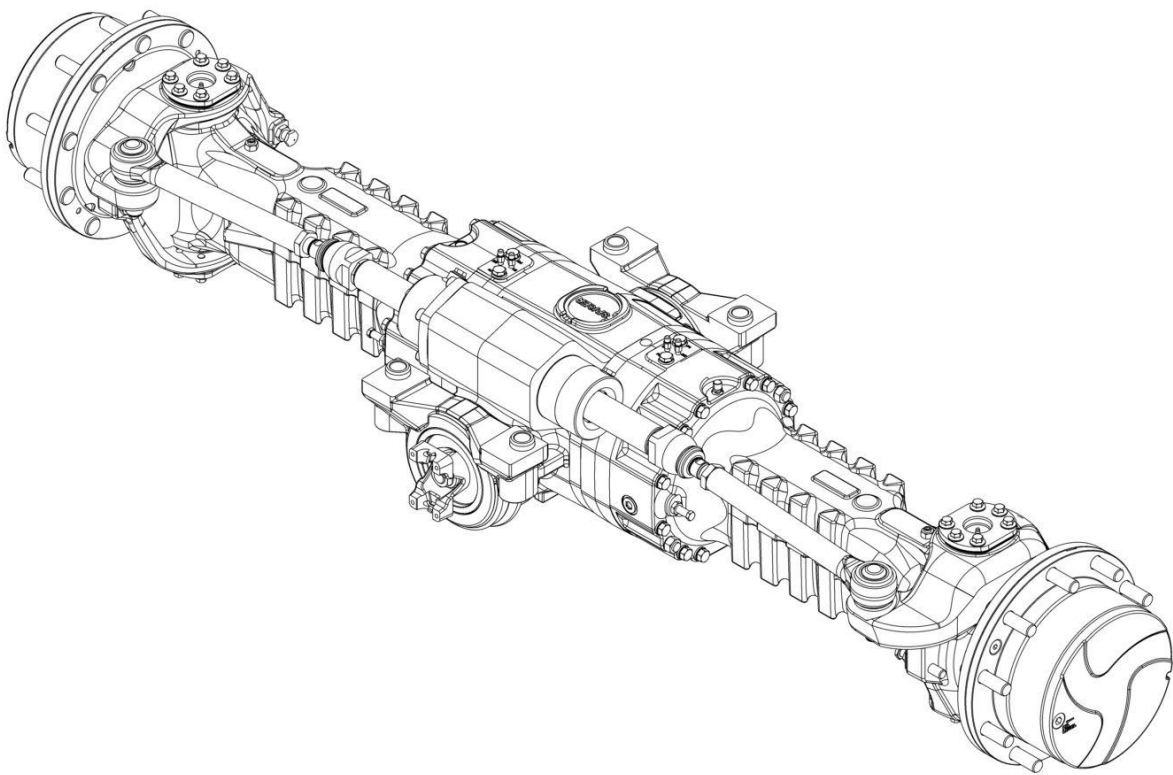
SECTION 5 - DRIVE TRAIN

FIGURE 5-39. FRONT AXLE MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168784	Ref	Front Axle Mounting Installation	D
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24-3X150	
3	1001165831	1	Axle, Front (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-40. FRONT AXLE



ART_1001165831_I

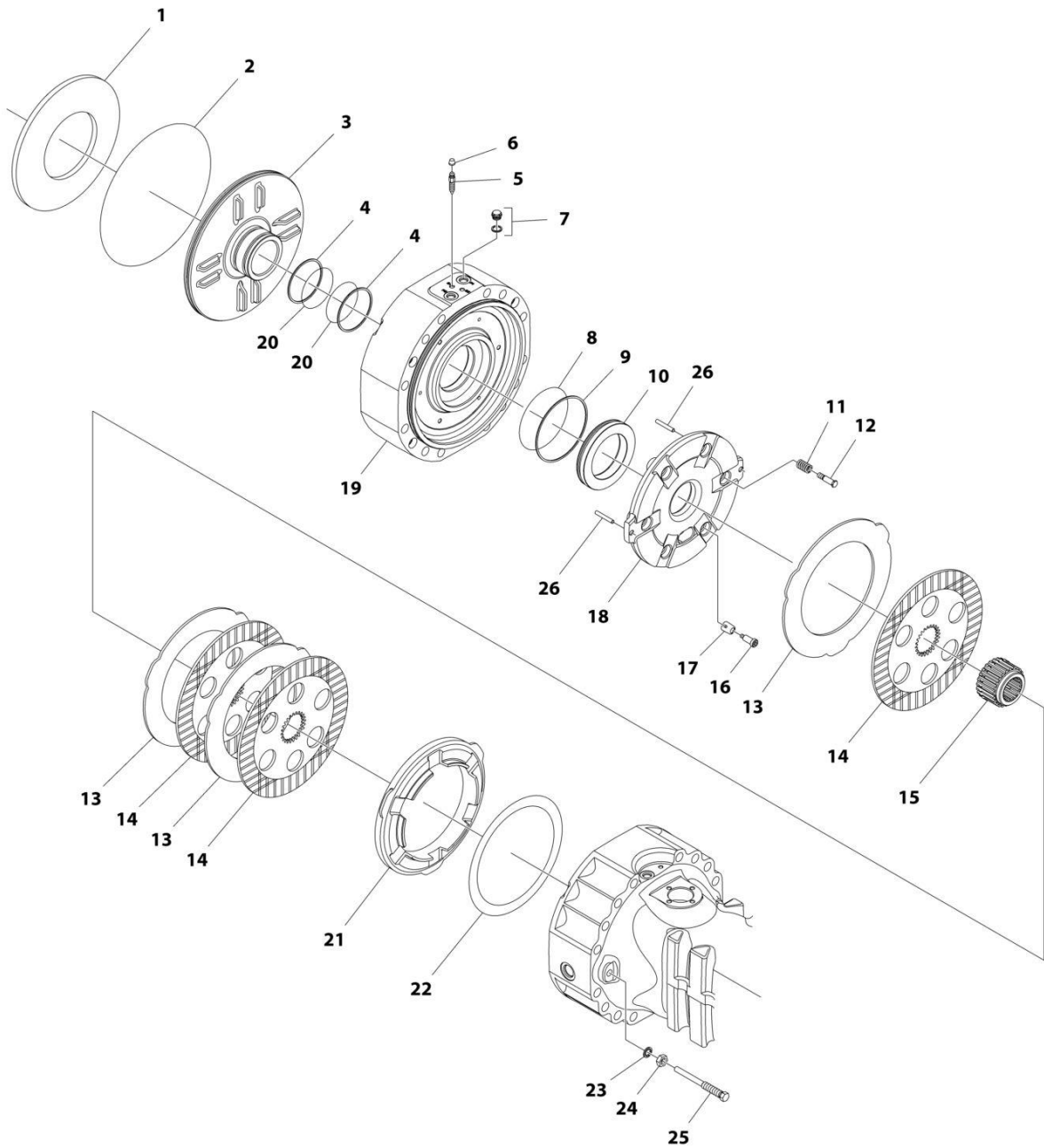
SECTION 5 - DRIVE TRAIN

FIGURE 5-40. FRONT AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	Front Axle	I
		Ref	Front Axle, Brakes (See Separate Breakdown in this Section)	
		Ref	Front Axle, Central Housing (See Separate Breakdown in this Section)	
		Ref	Front Axle, Differential (See Separate Breakdown in this Section)	
		Ref	Front Axle, Hub Reduction (See Separate Breakdown in this Section)	
		Ref	Front Axle, Steering (See Separate Breakdown in this Section)	
		Ref	Front Axle, Trunion (See Separate Breakdown in this Section)	
		Ref	Front Axle, Differential Kit (See Separate Breakdown in this Section)	
		Ref	Front Axle, Planet Gear Carrier (See Separate Breakdown in this Section)	
		Ref	Front Axle, Ring Gear Support (See Separate Breakdown in this Section)	
		Ref	Front Axle, Planet Gear Carrier (See Separate Breakdown in this Section)	
		Ref	Front Axle, Support (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-41. FRONT AXLE, BRAKES



ART_1001165831_I_1

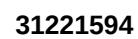
SECTION 5 - DRIVE TRAIN

FIGURE 5-41. FRONT AXLE, BRAKES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, BRAKES	I
1	91514151	2	Washer	
2	91514089	2	O-Ring	
3	91514152	2	Piston	
4	91514153	4	Ring, Backup	
5	80204281	4	Bolt	
6	80204117	4	Plug	
7	91514154	4	Plug	
8	91514156	2	O-Ring	
9	91514157	2	Ring, Backup	
10	91514158	1	Piston	
11	91514159	6	Spring	
12	70024210	6	Adjusting	
13	91514161	6	Disc, Intermediate Brake	
14	7029735	6	Disc, Brake	
15	7029734	2	Bushing, Reduction	
16	7029789	6	Bolt	
17	91514165	6	Spring	
18	70024849	2	Disc, Intermediate Brake	
19	70024848	2	Cover	
20	91514167	4	O-Ring	
21	7029298	2	Spacer	
22	70025970	1	Shim	
23	80204108	4	Washer, Lock	
24	80204060	4	Nut	
25	70024213	4	Bolt, M12X122.5	
26	70024215	4	Dowel	

408

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ART_1001165831_I_2

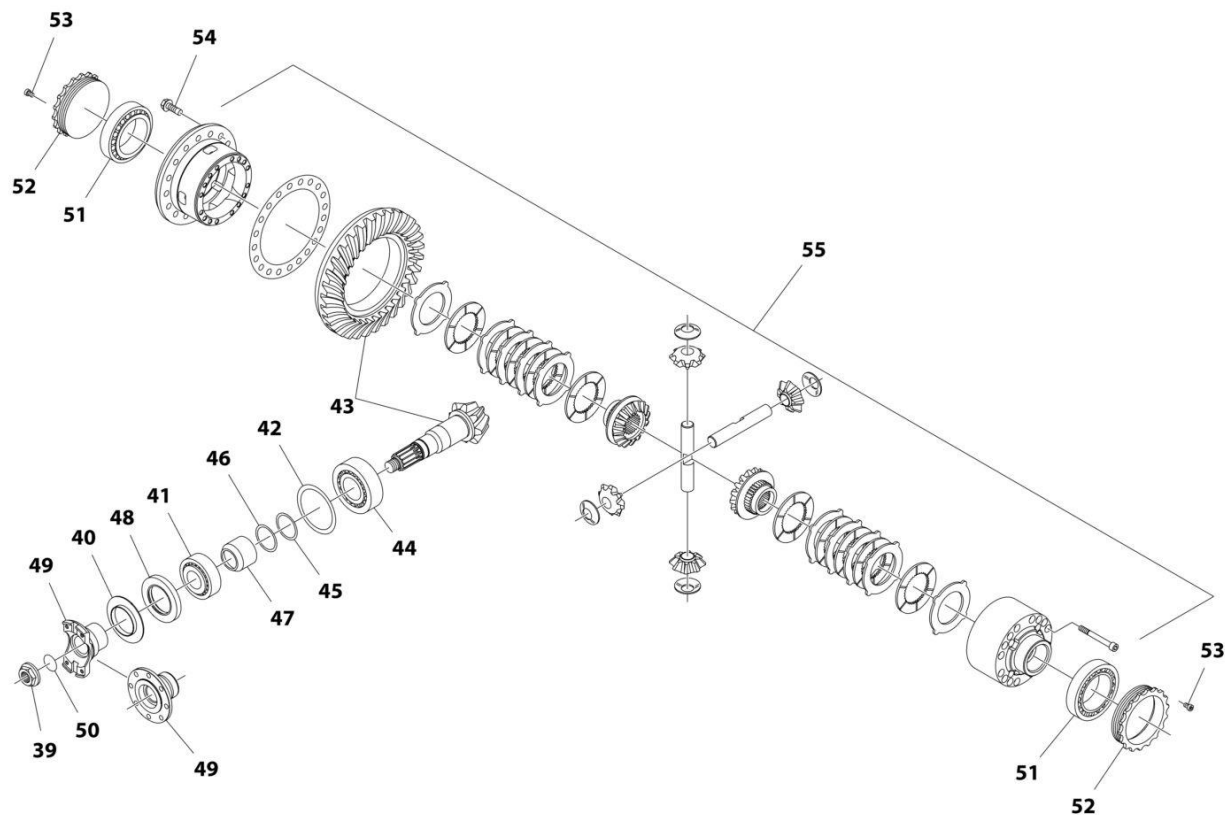
SECTION 5 - DRIVE TRAIN

FIGURE 5-42. FRONT AXLE, CENTRAL HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, CENTRAL HOUSING	I
27	91474512	1	Vent	
28	7029288	1	Cover, Intermediate	
29	80204002	1	O-Ring	
30	80204005	1	Circlip	
31	91514098	1	Plug	
32	91514087	1	Plug	
33	70021177	1	Plug	
34	70025335	1	Housing	
35	91514101	4	Bolt	
36	91514089	2	O-Ring	
37	7029307	1	Plug	
38	8008175	3	Bolt	

SECTION 5 - DRIVE TRAIN

FIGURE 5-43. FRONT AXLE, DIFFERENTIAL



ART_1001165831_I_3

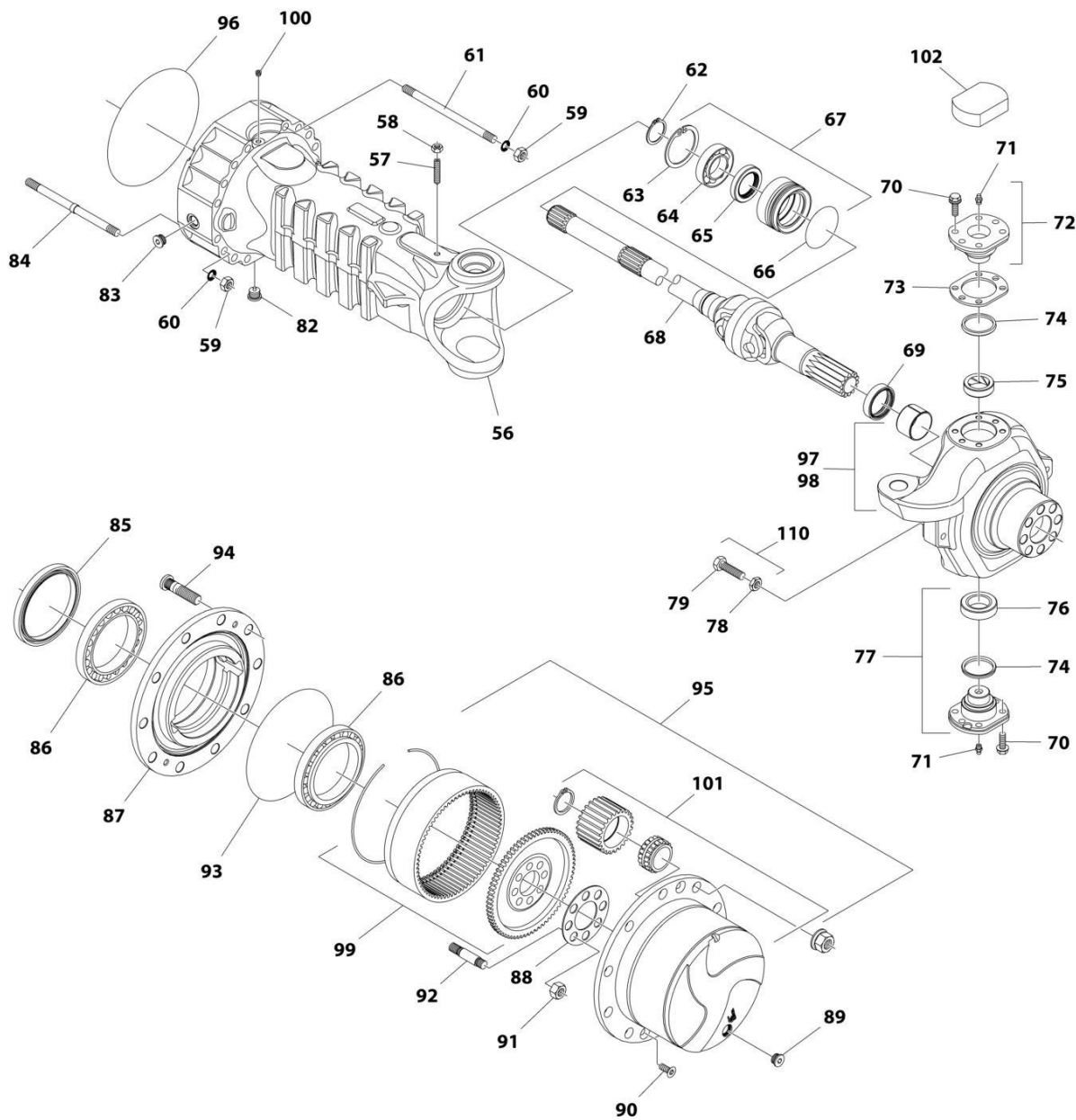
SECTION 5 - DRIVE TRAIN

FIGURE 5-43. FRONT AXLE, DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, DIFFERENTIAL	I
39	80204043	1	Nut	
40	91514130	1	Plate, Cover	
41	80204048	1	Bearing, Tape Roller	
42	70023469	1	Shim	
43	70026633	1	Gear, Bevel Set	
44	80204035	1	Bearing, Tape Roller	
45	70026438	1	Kit, Shim	
46	70026439	1	Kit, Shim	
47	70022140	1	Spacer	
48	70025887	1	Seal	
49	91514131	1	Flange	
50	10725554	1	O-Ring	
51	80204033	2	Bearing, Tape Roller	
52	91514133	2	Nut, Ring	
53	91514134	2	Bolt	
54	91514123	16	Bolt	
55	70024005	1	Kit, Differential (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-44. FRONT AXLE, HUB REDUCTION



ART_1001165831_I_4

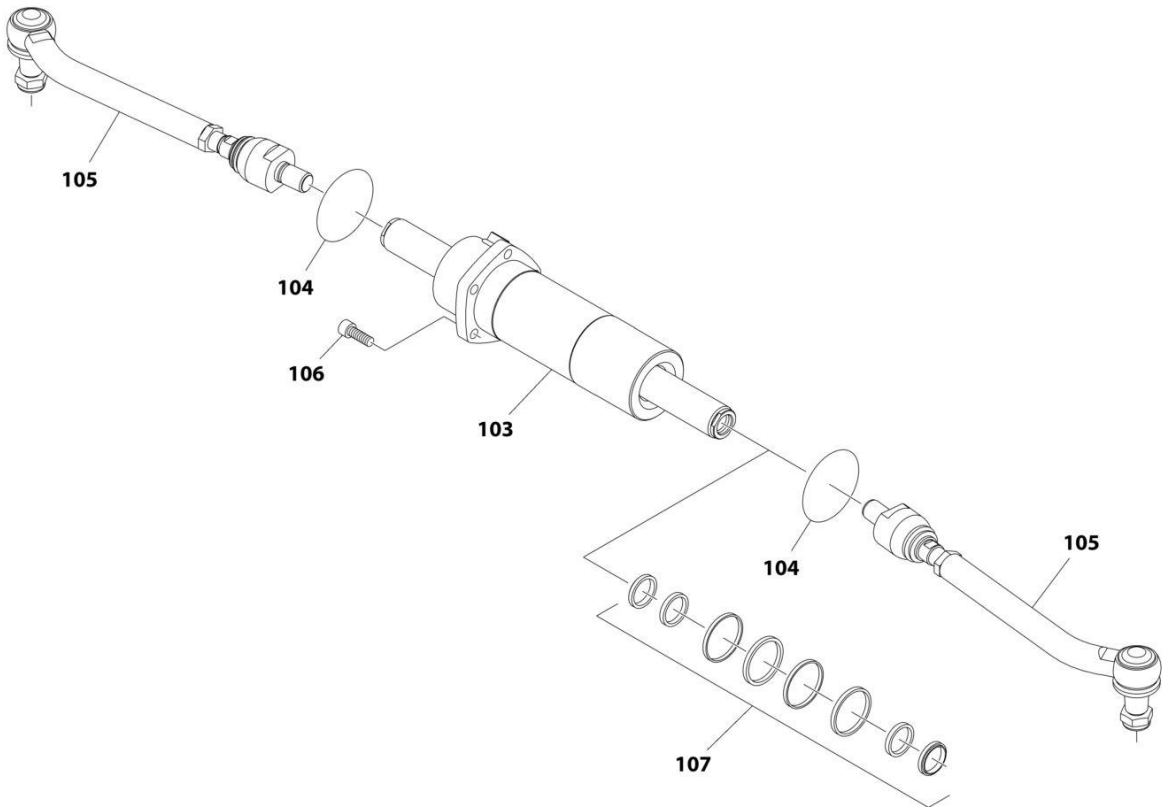
SECTION 5 - DRIVE TRAIN

FIGURE 5-44. FRONT AXLE, HUB REDUCTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, HUB REDUCTION	I
57	91514081	2	Bolt	
58	91514082	2	Nut	
59	91514083	8	Nut	
56	70024850	2	Case, Axle	
60	91514084	8	Washer	
61	7029309	24	Bolt	
62	80204071	2	Circlip	
63	80204005	2	Circlip	
64	91514146	2	Ball Bearing	
65	91514147	2	Seal	
66	91514148	2	O-Ring	
67	91514149	2	Bushing, Reduction	
68	70025855	2	Joint, Double Universal	
69	70026238	2	Seal	
70	91514123	24	Bolt	
71	91514099	4	Fitting, Grease	
72	91514112	2	Pin, Pivot	
73	70025561	1	Kit, Shim	
74	7028716	4	Seal, Dust	
75	7028714	2	Bushing	
76	91514095	2	Bearing	
77	7028715	2	Pin, Pivot	
78	80204065	4	Nut	
79	91514117	4	Bolt	
82	70021177	2	Plug	
83	91514087	2	Plug	
84	70024851	8	Stud	
85	7029300	2	Seal	
86	80204076	4	Bearing, Taper Roller	
87	91514174	2	Hub, Wheel	
88	91514178	1	Plate, Locking	
89	91514188	2	Plug	
90	91514189	4	Bolt	
91	91514179	16	Nut	
92	91514180	16	Stud	
93	91514181	2	O-Ring	
94	91514183	20	Stud	
95	70025972	2	Kit, Planet Gear Carrier (See Separate Breakdown in this Section)	
96	91514089	2	O-Ring	
97	70026239	1	Case, Steering	
98	70026240	NLA	Case, Steering (No Longer Available, Use Item 70030026)	
98	70030026	1	Case, Steering	
99	70024146	2	Kit, Ring Gear Support (See Separate Breakdown in this Section)	
110	7028733	1	Bolt, Steering Adjust (includes items 78 & 79)	
100	80204012	2	Plug	
101	7029733	2	Kit, Planet Gear Carrier (See Separate Breakdown in this Section)	
102	91474524	2	Cover	

SECTION 5 - DRIVE TRAIN

FIGURE 5-45. FRONT AXLE, STEERING



ART_1001165831_L_5

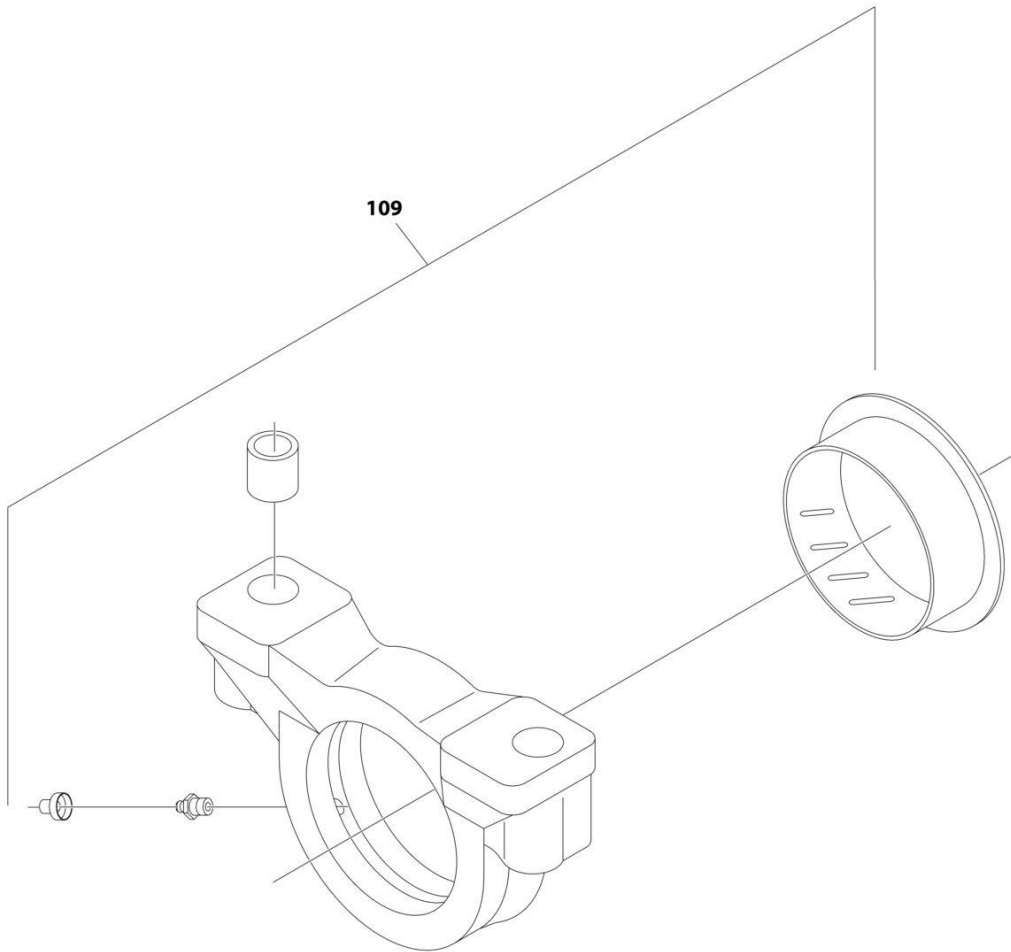
SECTION 5 - DRIVE TRAIN

FIGURE 5-45. FRONT AXLE, STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, STEERING	I
103	7026490	1	Cylinder	
104	80204143	2	O-Ring	
105	70021614	2	Rod, Articulated Tie	
106	80204144	5	Bolt	
107	7029127	1	Kit, Seal	

SECTION 5 - DRIVE TRAIN

FIGURE 5-46. FRONT AXLE, TRUNION



ART_1001165831_L_6

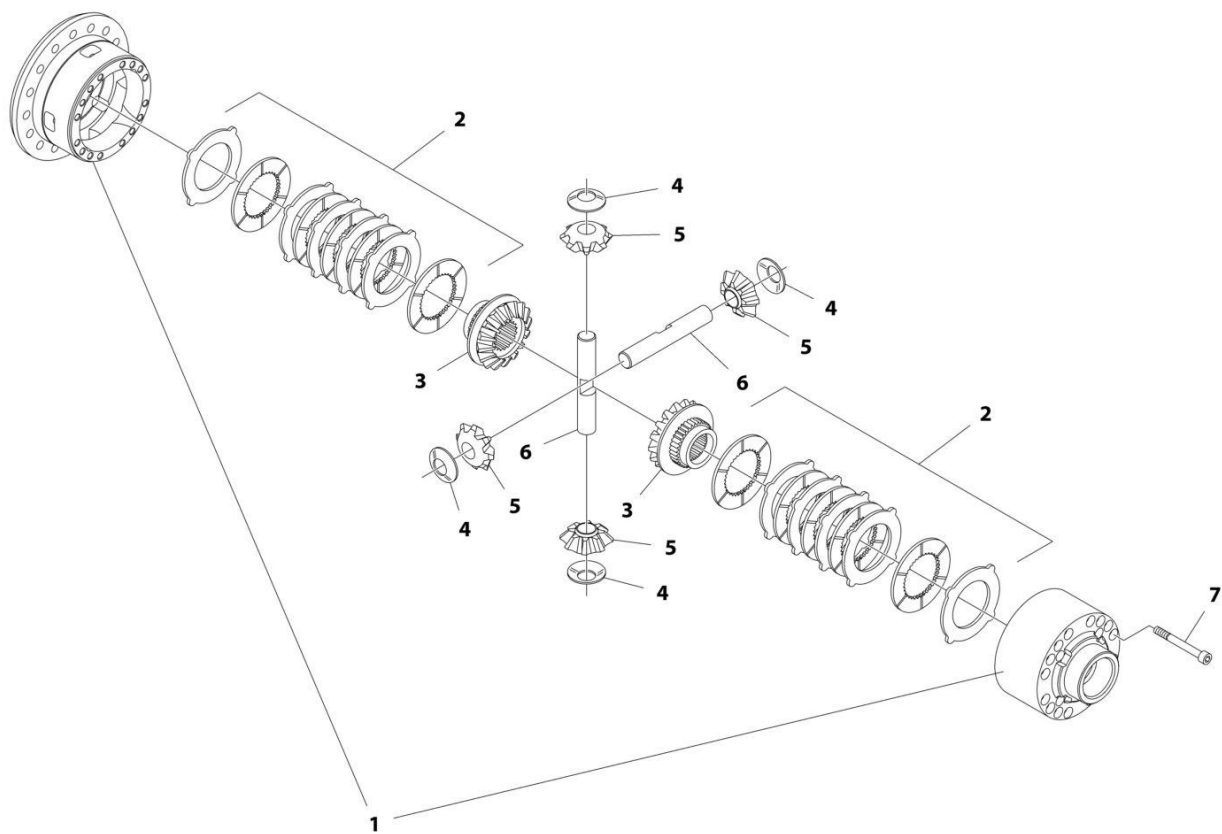
SECTION 5 - DRIVE TRAIN

FIGURE 5-46. FRONT AXLE, TRUNION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
109	1001165831	Ref	FRONT AXLE, TRUNION	I
	70026266	2	Trunion (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-47. FRONT AXLE, DIFFERENTIAL KIT



ART_1001165831_I_7

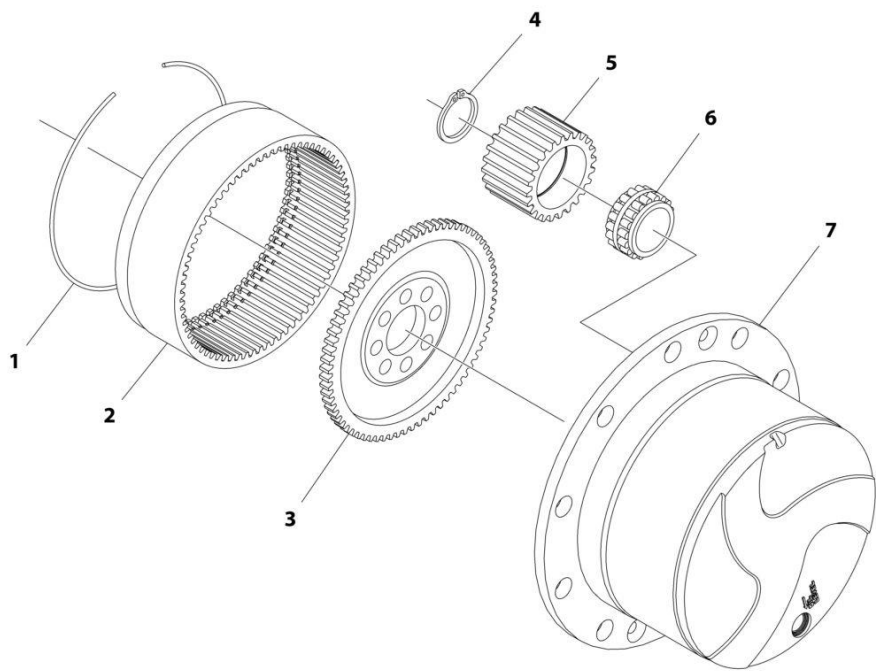
SECTION 5 - DRIVE TRAIN

FIGURE 5-47. FRONT AXLE, DIFFERENTIAL KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, DIFFERENTIAL KIT	I
	70024005	Ref	Differential Kit	
1	70024004	1	Carrier, Differential	
2	70023496	2	Disc, Clutch	
3	70025856	2	Gear, Differential Side	
4	70023491	4	Washer	
5	70025339	4	Pinion, Differential	
6	70023490	2	Shaft, Differential	
7	91514143	1	Bolt	

SECTION 5 - DRIVE TRAIN

FIGURE 5-48. FRONT AXLE, PLANET GEAR CARRIER



ART_1001165831_I_8

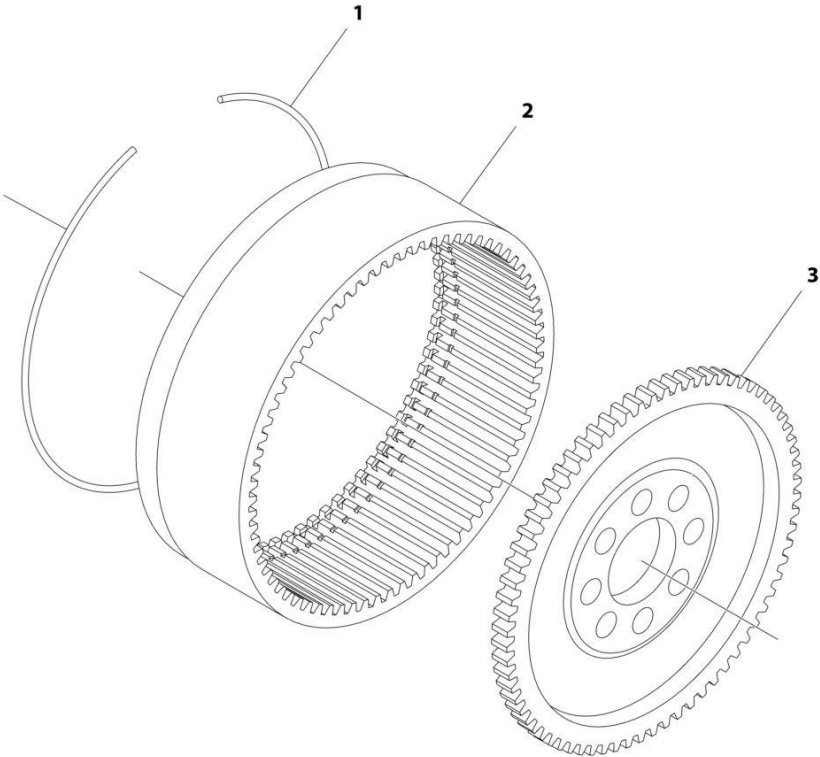
SECTION 5 - DRIVE TRAIN

FIGURE 5-48. FRONT AXLE, PLANET GEAR CARRIER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, PLANET GEAR CARRIER	I
	70025972	Ref	Planet Gear Carrier	
1	91514175	1	Circlip	
2	70024147	1	Gear, Ring	
3	91514177	1	Gear, Ring Support	
4	91514184	3	Ring, Snap	
5	91514185	3	Gear, Planet	
6	91514186	3	Bearing	
7	7026731	1	Carrier, Planet Gear	

SECTION 5 - DRIVE TRAIN

FIGURE 5-49. FRONT AXLE, RING GEAR SUPPORT



ART_1001165831_L_9

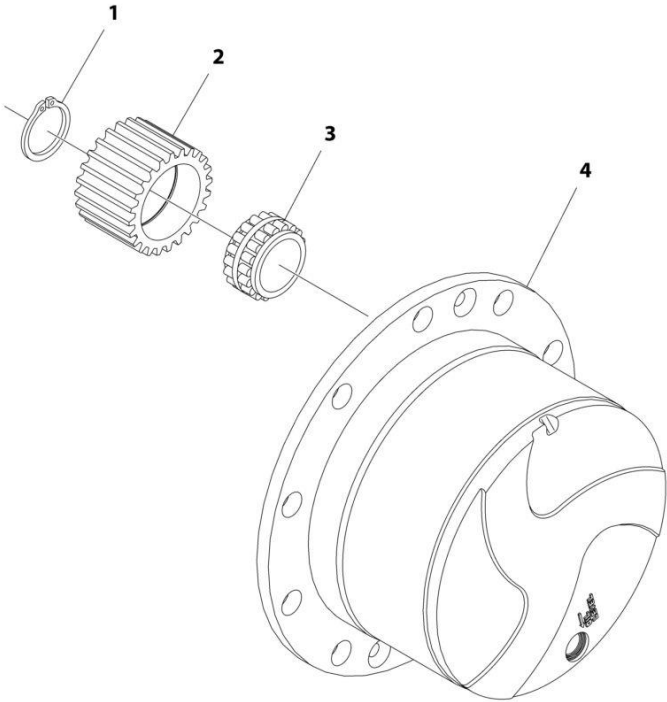
SECTION 5 - DRIVE TRAIN

FIGURE 5-49. FRONT AXLE, RING GEAR SUPPORT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, RIGHT GEAR SUPPORT	I
	70024146	Ref	Ring Gear Support	
1	91514175	1	Circlip	
2	70024147	1	Gear, Ring	
3	91514177	1	Gear, Ring Support	

SECTION 5 - DRIVE TRAIN

FIGURE 5-50. FRONT AXLE, PLANET GEAR CARRIER



ART_1001165831_I_10

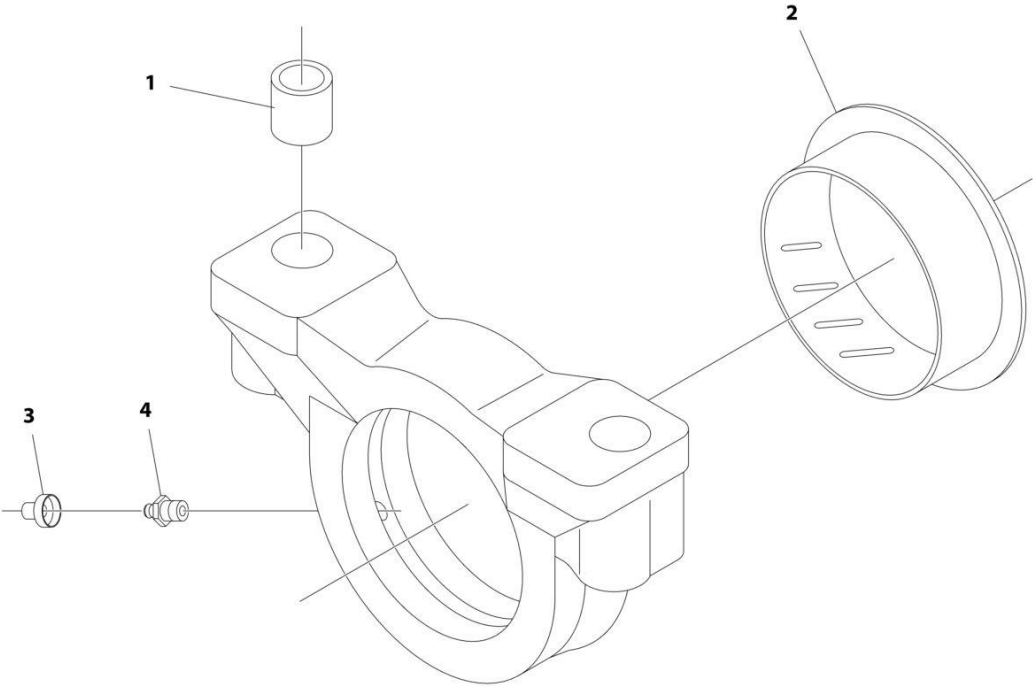
SECTION 5 - DRIVE TRAIN

FIGURE 5-50. FRONT AXLE, PLANET GEAR CARRIER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, PLANET GEAR CARRIER	I
	7029733	Ref	Planet Gear Carrier	
1	91514184	3	Ring, Snap	
2	91514185	3	Gear, Planet	
3	91514186	3	Bearing	
4	7026731	1	Carrier, Planet Gear	

SECTION 5 - DRIVE TRAIN

FIGURE 5-51. FRONT AXLE, SUPPORT



ART_1001165831_I_11

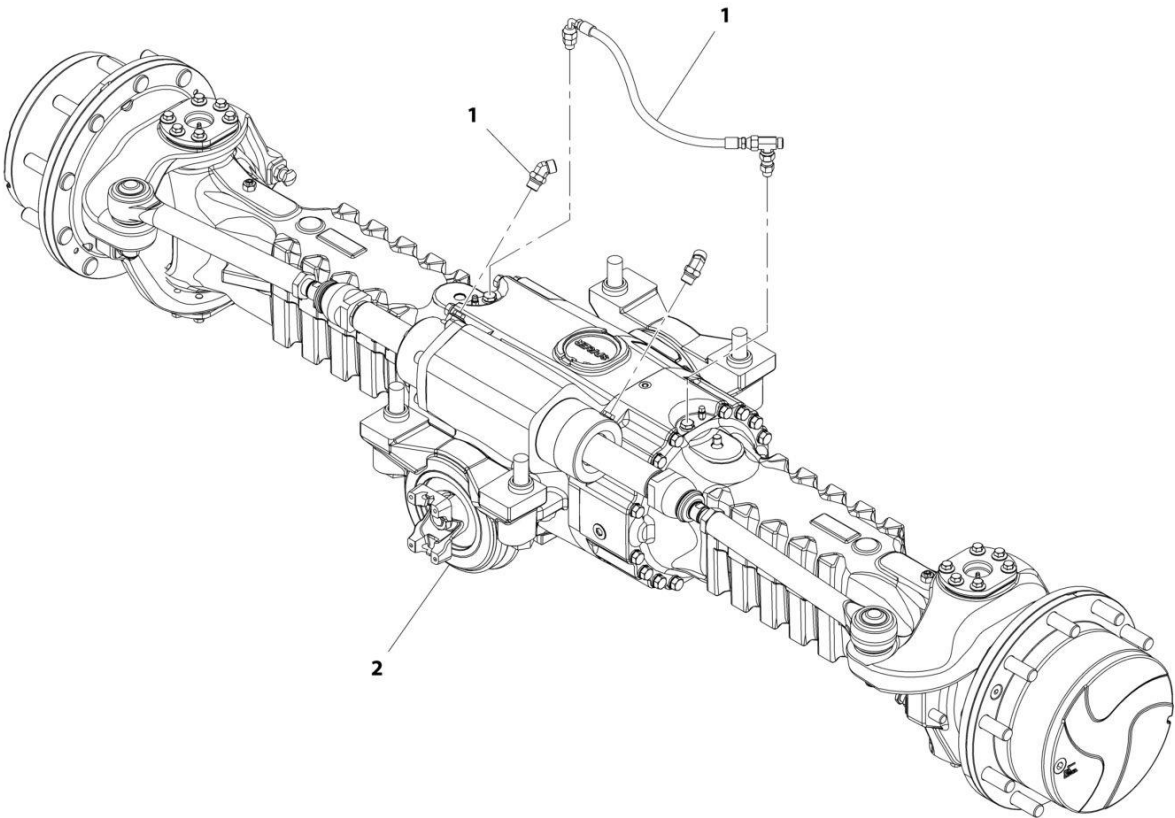
SECTION 5 - DRIVE TRAIN

FIGURE 5-51. FRONT AXLE, SUPPORT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, SUPPORT	I
	70026266	Ref	Support	
1	7029290	2	Bushing, Reduction	
2	91514090	1	Bushing, Thrust	
3	80204117	1	Plug	
4	91514099	1	Fitting, Grease	

SECTION 5 - DRIVE TRAIN

FIGURE 5-52. REAR AXLE INSTALLATION



ART_1001168783-A

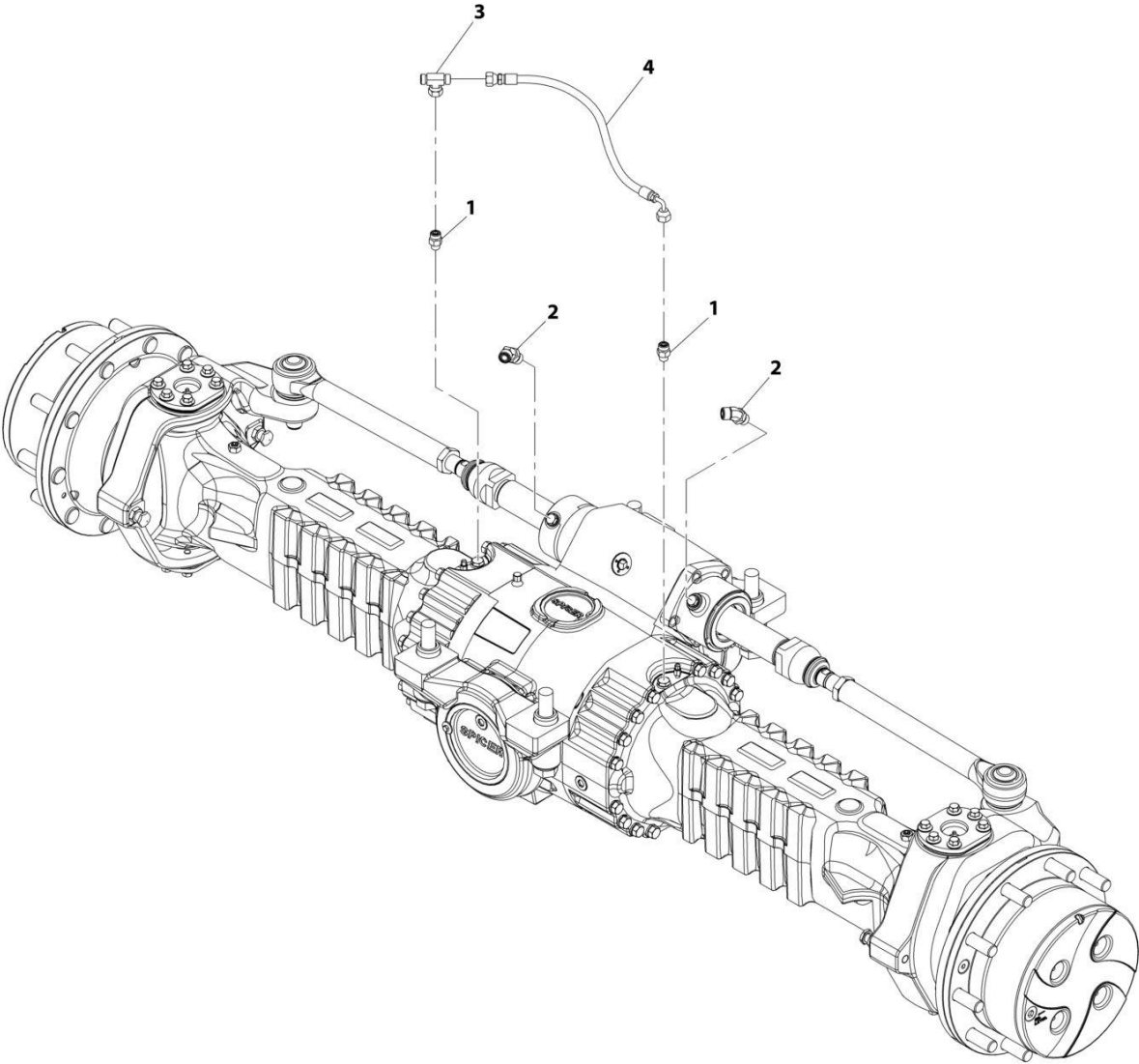
SECTION 5 - DRIVE TRAIN

FIGURE 5-52. REAR AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001168783	Ref	Rear Axle Installation	A
	1001161424	Ref	Installation, Rear Axle Lines (See Separate Breakdown in this Section)	
2	1001168782	Ref	Installation, Rear Axle Mounting (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-53. REAR AXLE LINES INSTALLATION



ART_1001161424-D

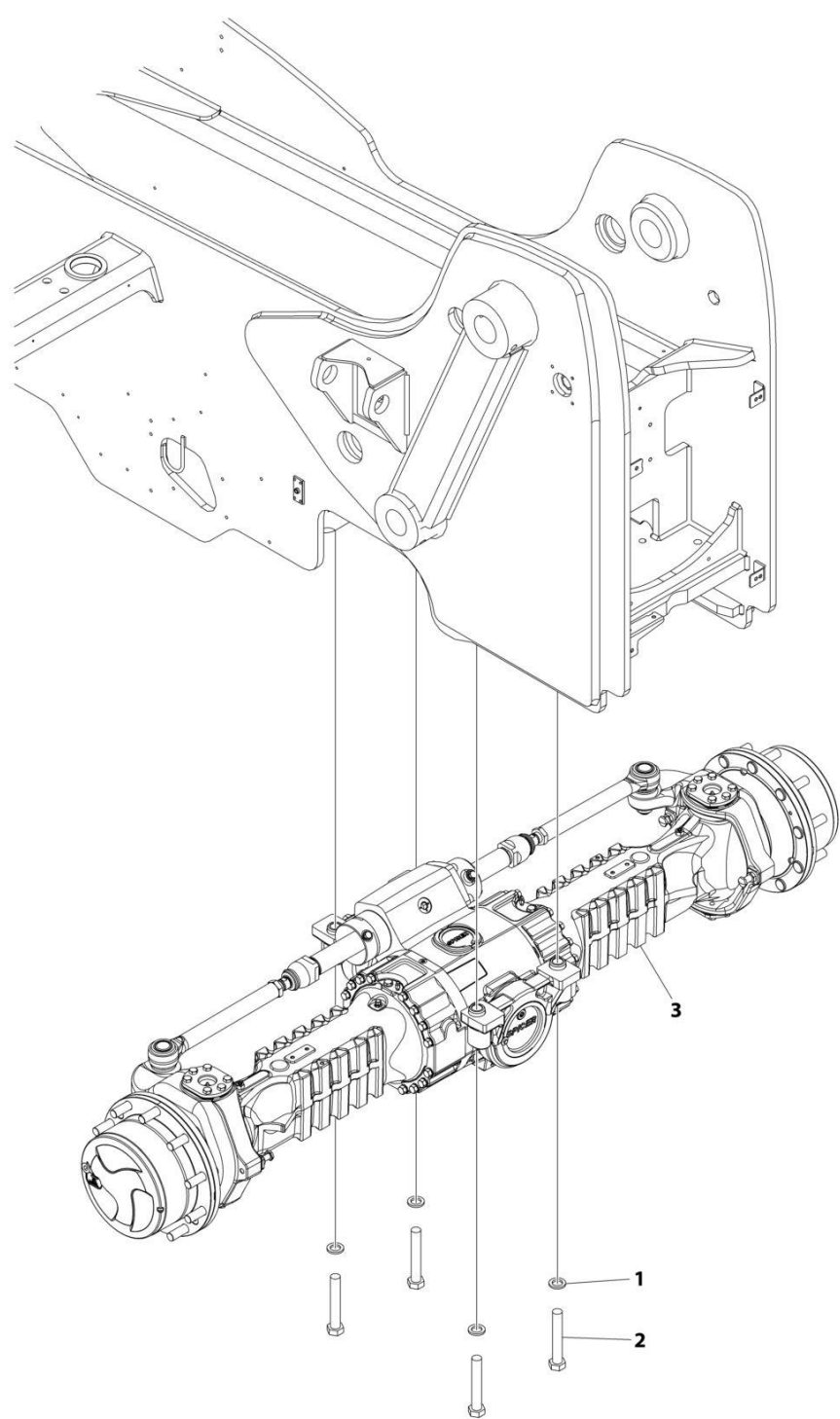
SECTION 5 - DRIVE TRAIN

FIGURE 5-53. REAR AXLE LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161424	Ref	Rear Axle Lines Installation	D
1	2144605	2	Fitting, Straight ORFS	
2	2150808	2	Fitting, 45 ORFS	
3	2170806	1	Fitting, Tee ORFS	
4	1001102509	1	Hose	

SECTION 5 - DRIVE TRAIN

FIGURE 5-54. REAR AXLE MOUNTING INSTALLATION



ART_1001168782_D

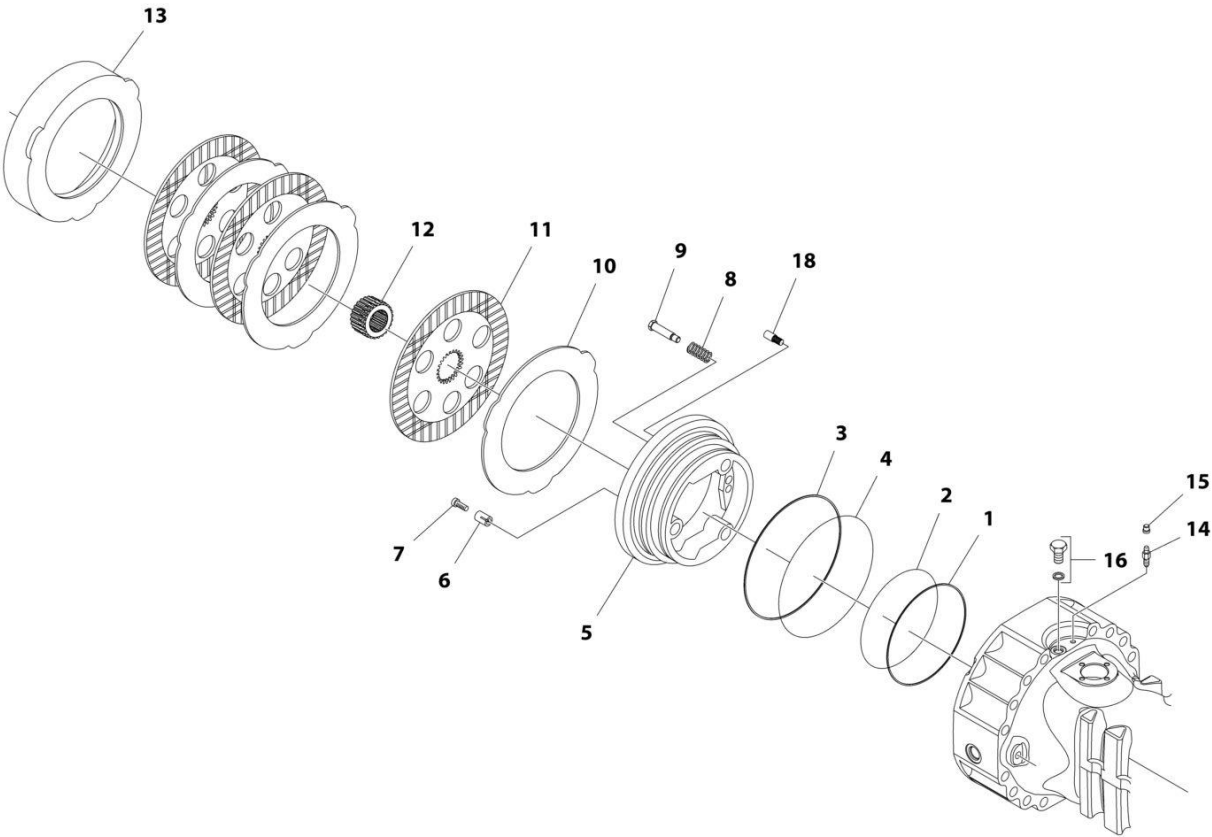
SECTION 5 - DRIVE TRAIN

FIGURE 5-54. REAR AXLE MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168782	Ref	Rear Axle Mounting Installation	D
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24X150	
3	1001262336	1	Axle, Rear (See Separate Breakdown in this Section)	

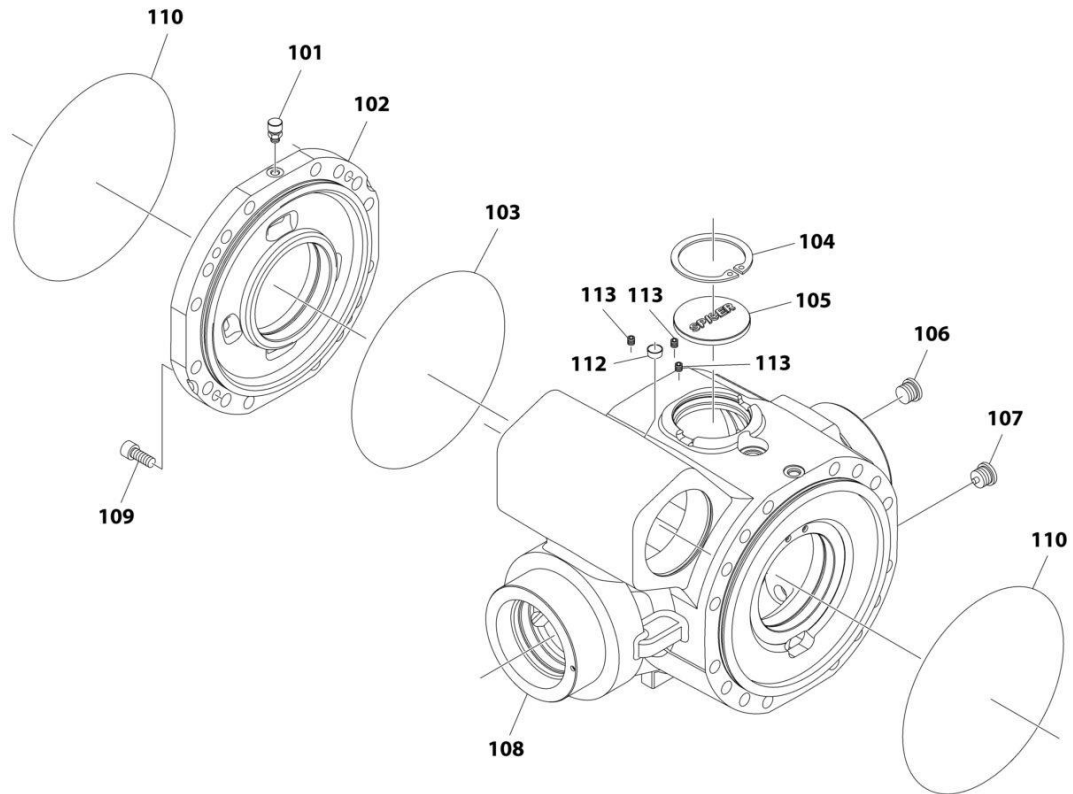
SECTION 5 - DRIVE TRAIN

FIGURE 5-55. REAR AXLE



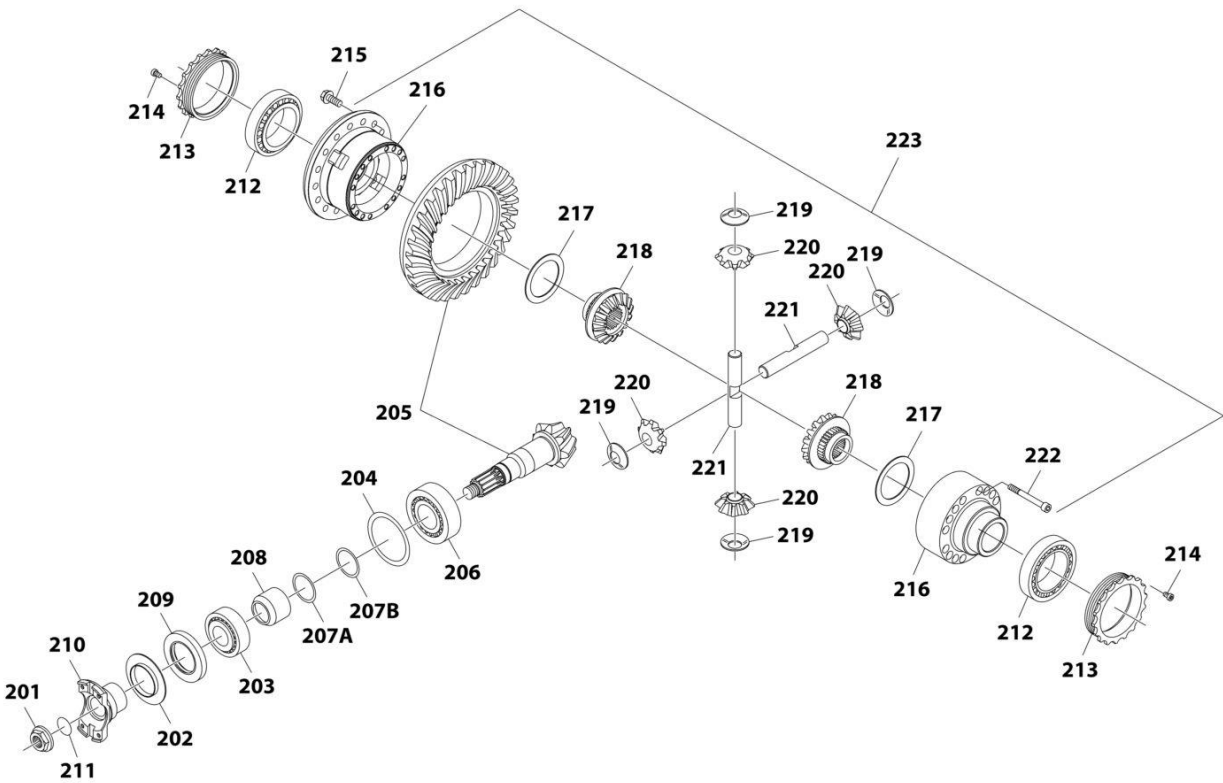
ART_1001262336_10F6

SECTION 5 - DRIVE TRAIN



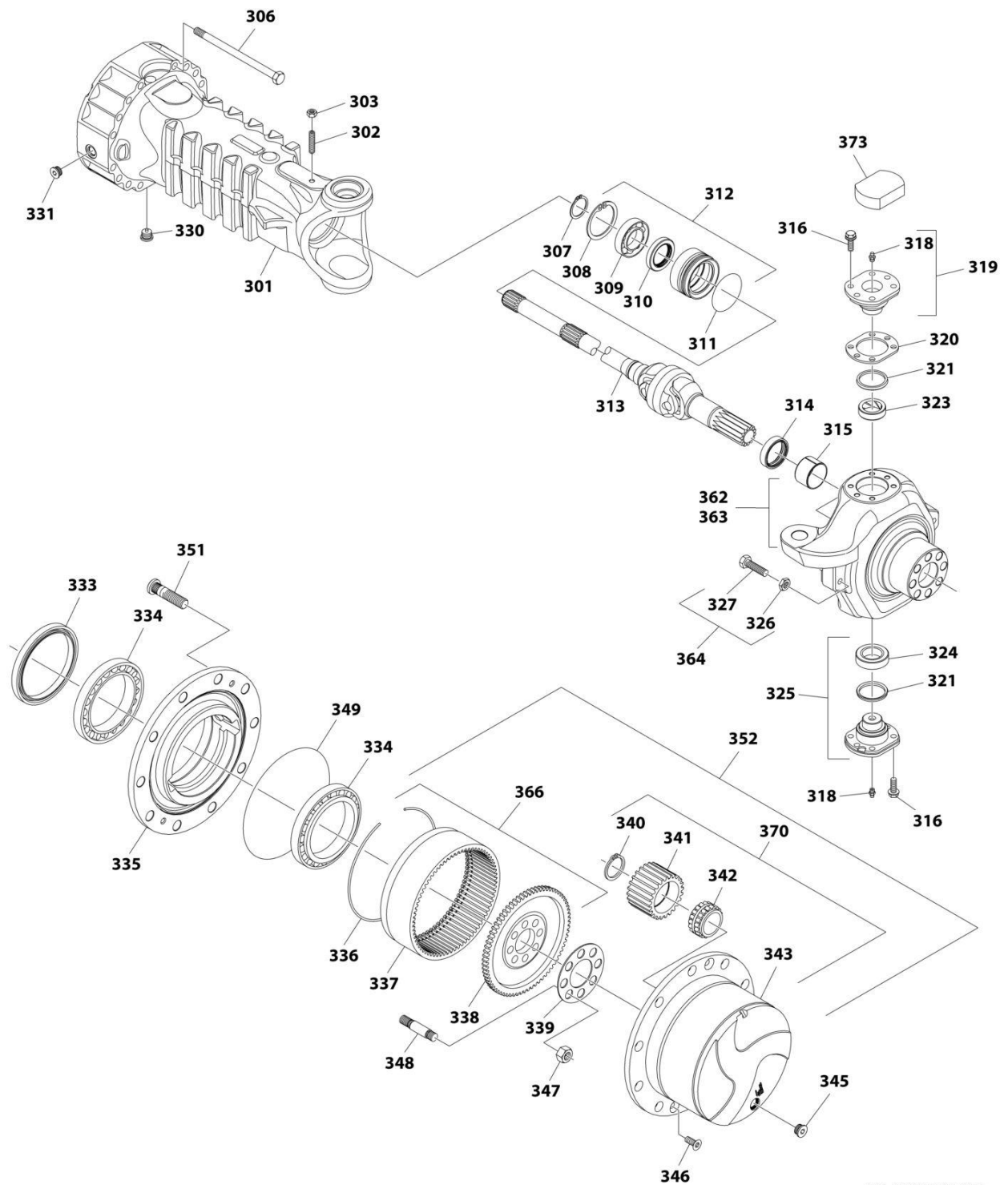
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SECTION 5 - DRIVE TRAIN



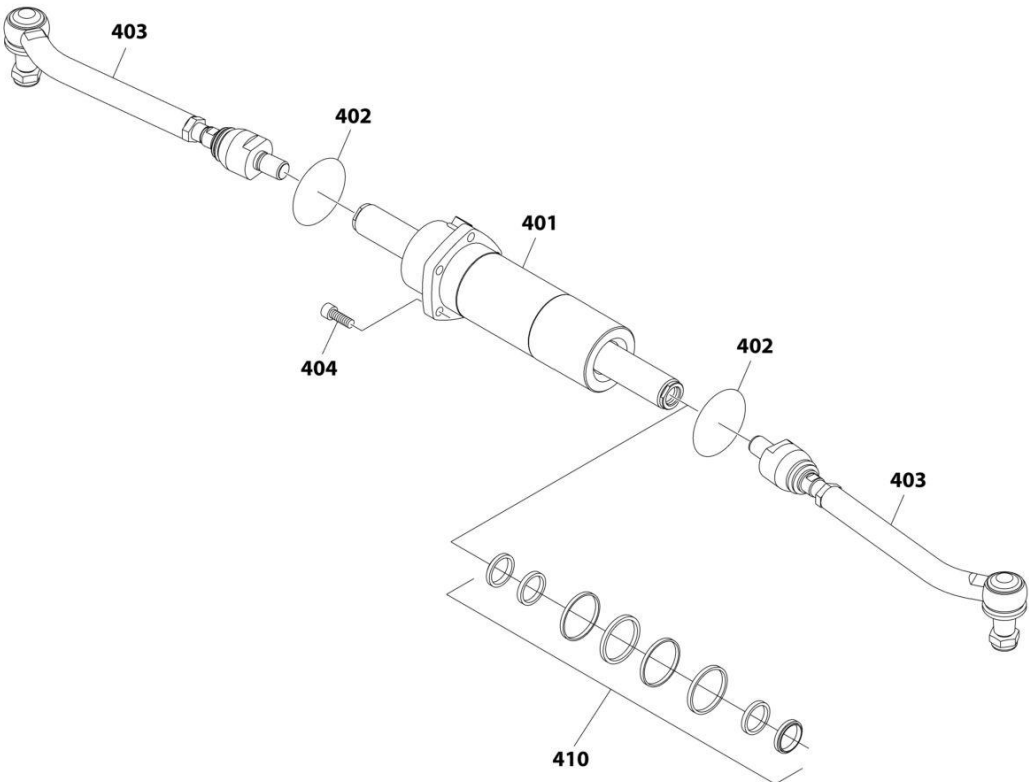
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SECTION 5 - DRIVE TRAIN



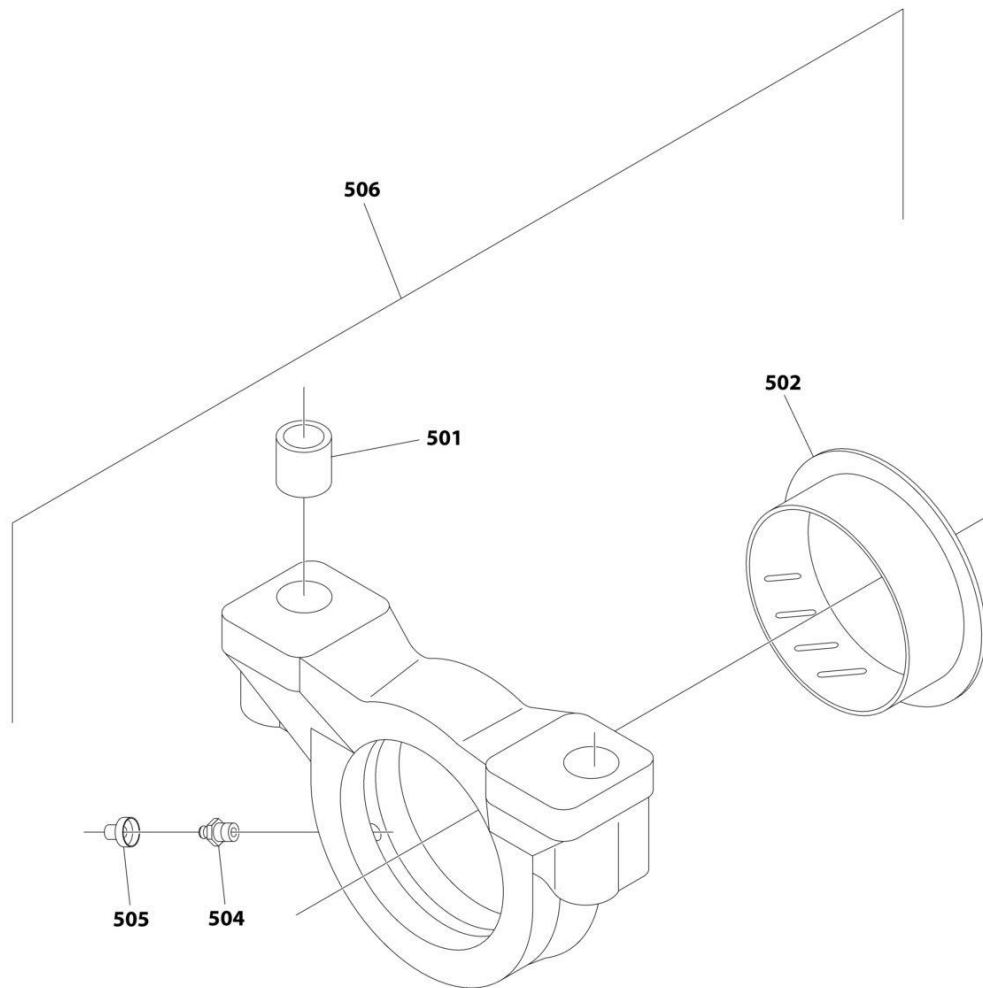
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SECTION 5 - DRIVE TRAIN



ART_1001262336_5OF6

SECTION 5 - DRIVE TRAIN



ART_1001262336_6OF6

SECTION 5 - DRIVE TRAIN

FIGURE 5-55. REAR AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262336	Ref	REAR AXLE ASSEMBLY	A
		Ref	BRAKE ASSEMBLY	
1	70021609	2	Ring, Back-Up	
2	70021610	2	O-Ring	
3	70021612	2	Ring, Back-Up	
4	70021611	2	O-Ring	
5	70024216	2	Piston	
6	91514165	6	Spring	
7	70021607	6	Bolt, Adjusting	
8	91514159	6	Spring	
9	70024210	6	Bolt, Adjusting	
10	91514161	6	Disc, Intermediate Brake	
11	7029735	6	Disk, Brake	
12	7029734	2	Bushing, Reduction	
13	70021606	2	Spacer	
14	80204281	2	Bolt, Bleeding	
15	80204117	2	Plug	
16	91514154	2	Bolt	
18	70021613	2	Bolt, Pilot	
		Ref	CENTRAL HOUSING ASSEMBLY	
101	91474512	1	Vent	
102	7029288	1	Cover, Intermediate	
103	80204002	1	O-Ring	
104	80204005	1	Circlip	
105	91514098	1	Plug	
106	91514087	1	Plug	
107	70021177	1	Plug	
108	70025335	1	Housing	
109	91514101	4	Bolt	
110	91514089	2	O-Ring	
112	7029307	1	Plug	
113	8008175	3	Bolt	
		Ref	DIFFERENTIAL ASSEMBLY	
201	80204043	1	Nut	
202	91514130	1	Plate, Cover	
203	70030024	1	Bearing, Taper Roller	
204	70023469	1	Shim	
205	70026632	1	Gear, Bevel Set	
206	80204035	1	Bearing, Taper Roller	
207A	70026438	1	Kit, Shim	
207B	70026439	1	Kit, Shim	
208	70022140	1	Spacer	
209	70025887	1	Seal	
210	91514131	1	Flange	
211	10725554	1	O-Ring	
212	80204033	2	Bearing, Taper Roller	
213	91514133	2	Nut, Ring	
214	91514134	2	Bolt	
215	91514123	16	Bolt	
216	70025337	1	Carrier, Differential	

SECTION 5 - DRIVE TRAIN

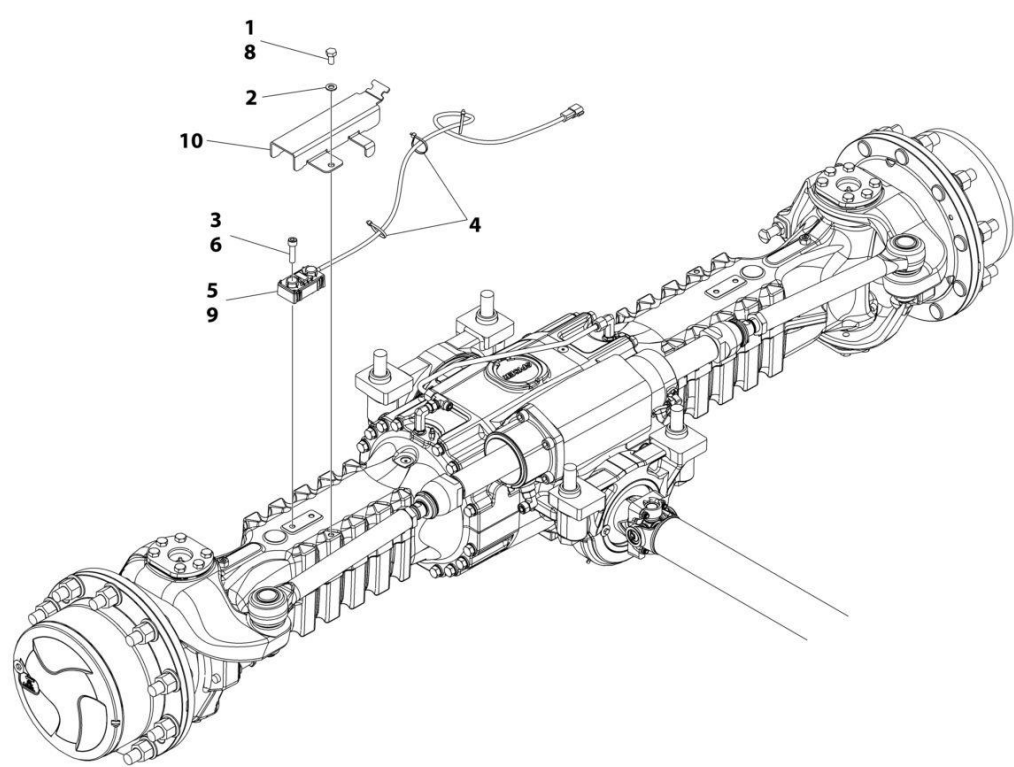
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
217	70023493	2	Washer, Friction	
218	70025338	2	Gear, Differential Side	
219	70027105	4	Washer, Friction	
220	70025339	4	Pinion, Differential	
221	70023490	2	Shaft, Differential	
222	70023489	15	Bolt	
223	70026030	1	Kit, Differential (Includes Items 216-222)	
		Ref	HUB REDUCTION ASSEMBLY	
301	70025980	2	Case, Axle	
302	91514081	2	Bolt	
303	91514082	2	Nut	
306	70022814	32	Bolt	
307	80204071	2	Circlip	
308	80204005	2	Circlip	
309	91514146	2	Ball Bearing	
310	91514147	2	Seal	
311	91514148	2	O-Ring	
312	91514149	2	Bushing, Reduction	
313	70025855	2	Joint, Double Universal	
314	70026238	2	Seal	
315	91514111	2	Bushing, Thrust	
316	70025562	24	Bolt	
318	70024881	4	Fitting, Grease	
319	91514112	2	Pin, Pivot	
320	70025561	1	Kit, Shim	
321	7028716	4	Seal, Dust	
323	7028714	2	Bushing	
324	91514095	2	Bearing	
325	7028715	2	Pin, Pivot	
326	80204065	4	Nut	
327	7028733	4	Bolt	
330	70028388	2	Plug	
331	70028329	2	Bolt	
333	70026002	2	Seal	
334	80204076	4	Bearing, Taper Roller	
335	91514174	2	Hub, Wheel	
336	91514175	2	Circlip	
337	70024147	2	Gear, Ring	
338	91514177	2	Support, Ring Gear	
339	91514178	2	Plate, Locking	
340	91514184	6	Circlip	
341	91514185	6	Gear, Planet	
342	91514186	6	Bearing	
343	7026731	2	Carrier, Planetary Gear	
345	91514188	2	Plug	
346	91514189	4	Bolt, Countersunk	
347	91514179	16	Nut	
348	91514180	16	Stud	
349	91514181	2	O-Ring	
351	91514183	20	Stud, Wheel	
352	70025972	2	Carrier, Planet Gear (Includes Items 501, 502, 504 & 505)	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
362	70026239	1	Carrier, Steering (Includes Items 315)	
363	70030026	1	Carrier, Steering (Includes Items 315)	
364	7028733	4	Bolt, Steering Adjust (Includes Items 326-327)	
366	70024146	4	Support, Ring Gear (Includes Items 336-338)	
370	70028882	2	Carrier, Planet Gear (Includes Items 340-343)	
373	70028392	2	Cover	
		Ref	STEERING ASSEMBLY	
401	7026490	1	Cylinder	
402	80204143	2	O-Ring	
403	70021614	2	Bar	
404	80204144	5	Bolt	
410	7029127	1	Kit, Seal	
		Ref	TRUNION ASSEMBLY	
501	7029290	2	Bushing	
502	91514090	1	Bushing, Thrust	
504	70024881	1	Fitting, Grease	
505	80204117	1	Plug	
506	70026266	Ref	Kit, Support (Includes Items 501, 502, 504 & 505)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-56. LSI AXLE SENSOR INSTALLATION



ART_1001258644

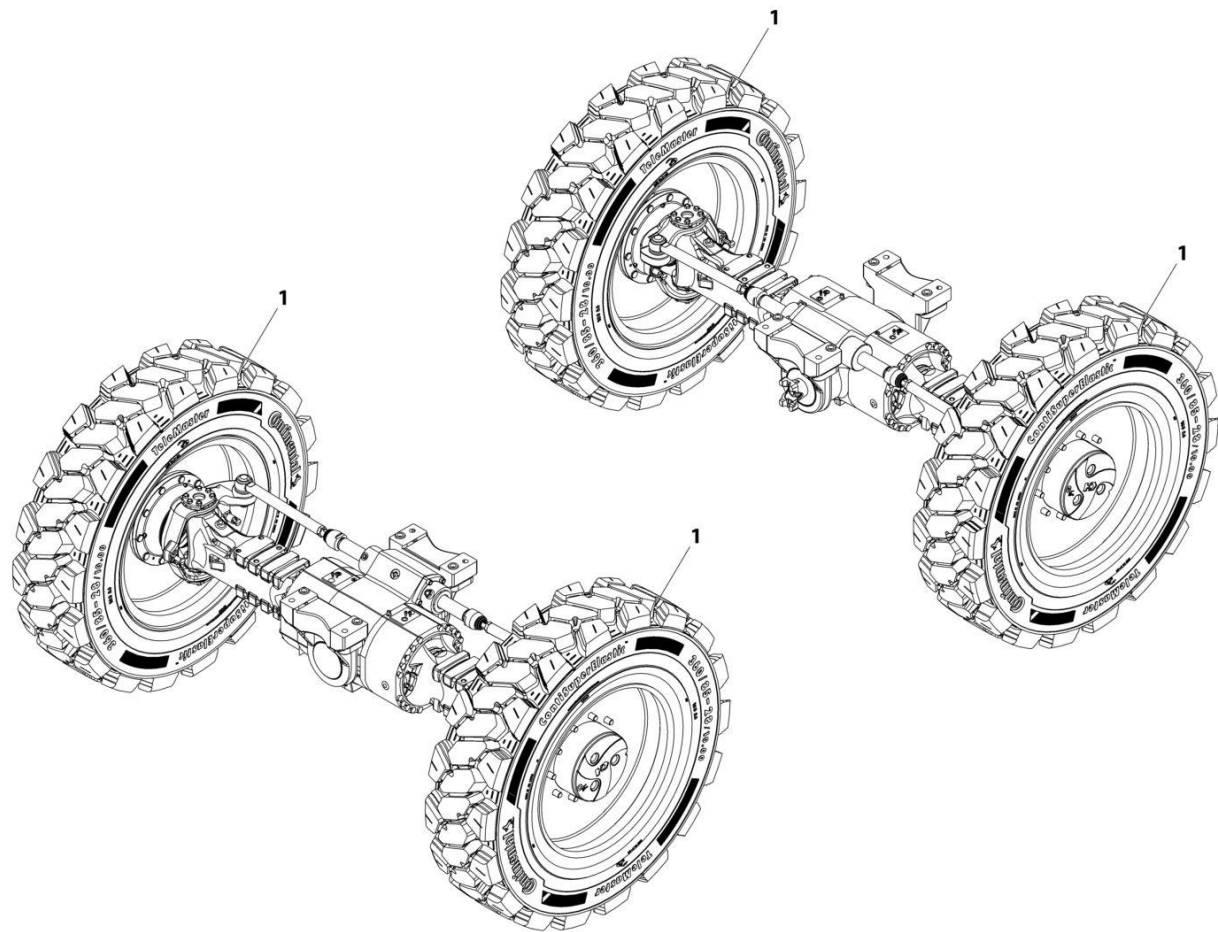
SECTION 5 - DRIVE TRAIN

FIGURE 5-56. LSI AXLE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258644	Ref	LSI Sensor Installation	B
1	0761010	1	Bolt, M10X20	
2	4812000	1	Washer, M10	
3	5272012	2	Bolt, M10X40	
4	1001008559	3	Strap, Cable	
5	1001116128	AR	Seal	
6	1001125465	AR	Locking, Compound	
8	1001289296	AR	Adhesive	
9	1001289105	1	Sensor, Rear Axle	
10	1001290669	1	Bracket	

SECTION 5 - DRIVE TRAIN

FIGURE 5-57. TIRE/WHEEL SET 360/85-28 - SOLID



ART_1001221504-A

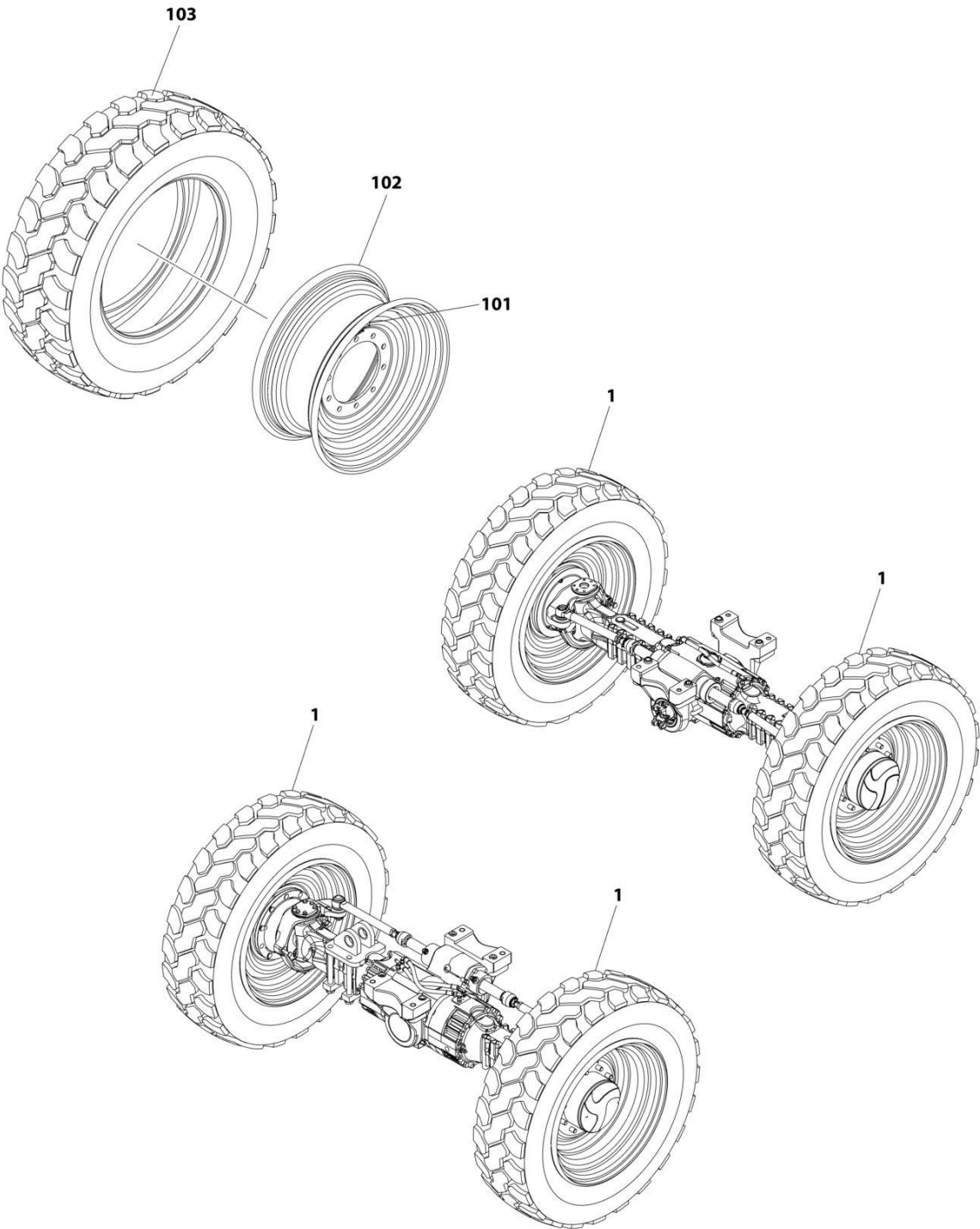
SECTION 5 - DRIVE TRAIN

FIGURE 5-57. TIRE/WHEEL SET 360/85-28 - SOLID

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001221504	Ref	Tire/Wheel Set 360/85-28 - Solid	A
	1001213200J	4	Tire/Wheel Solid 360/85-28/10 - 1M Offset	

SECTION 5 - DRIVE TRAIN

FIGURE 5-58. TIRE/WHEEL SET 400/75-28 PNEUMATIC



ART_1001121109

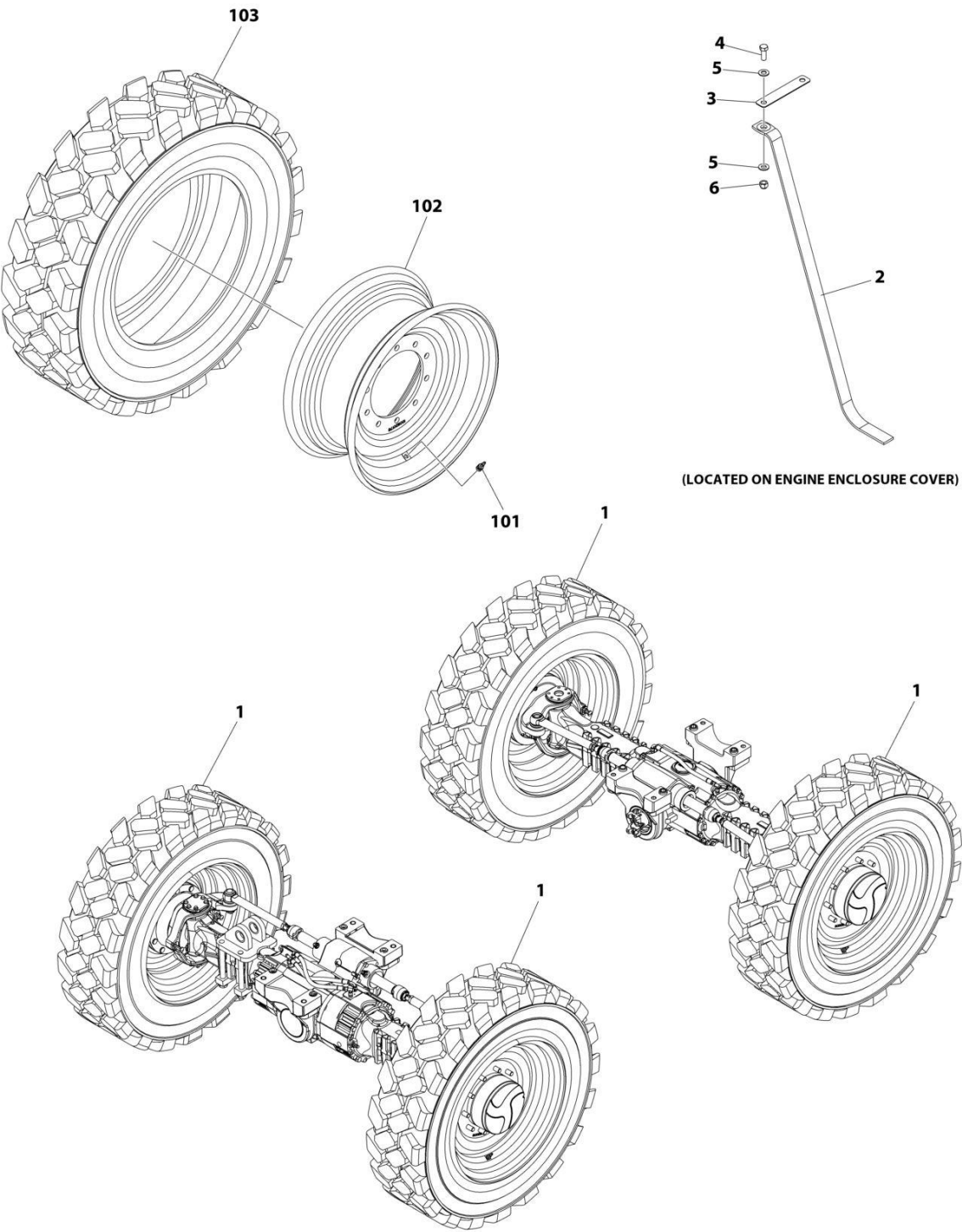
SECTION 5 - DRIVE TRAIN

FIGURE 5-58. TIRE/WHEEL SET 400/75-28 PNEUMATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121109	Ref	TIRE/WHEEL SET 400/75-28 - AIR	B
1	1001121103	4	Assembly, Tire/Wheel 400/75-28 - Air	
101	8786514	4	Valve, Stem (1 per assembly)	
102	1001120178	4	Wheel, 28.00 x 12W/0.75 Offset (1 per assembly)	
103	1001120179	4	Tire, 400/75D-28 (1 per assembly)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-59. TIRE/WHEEL SET 400/75-28 PNEUMATIC NON-MARKING



ART_1001241848

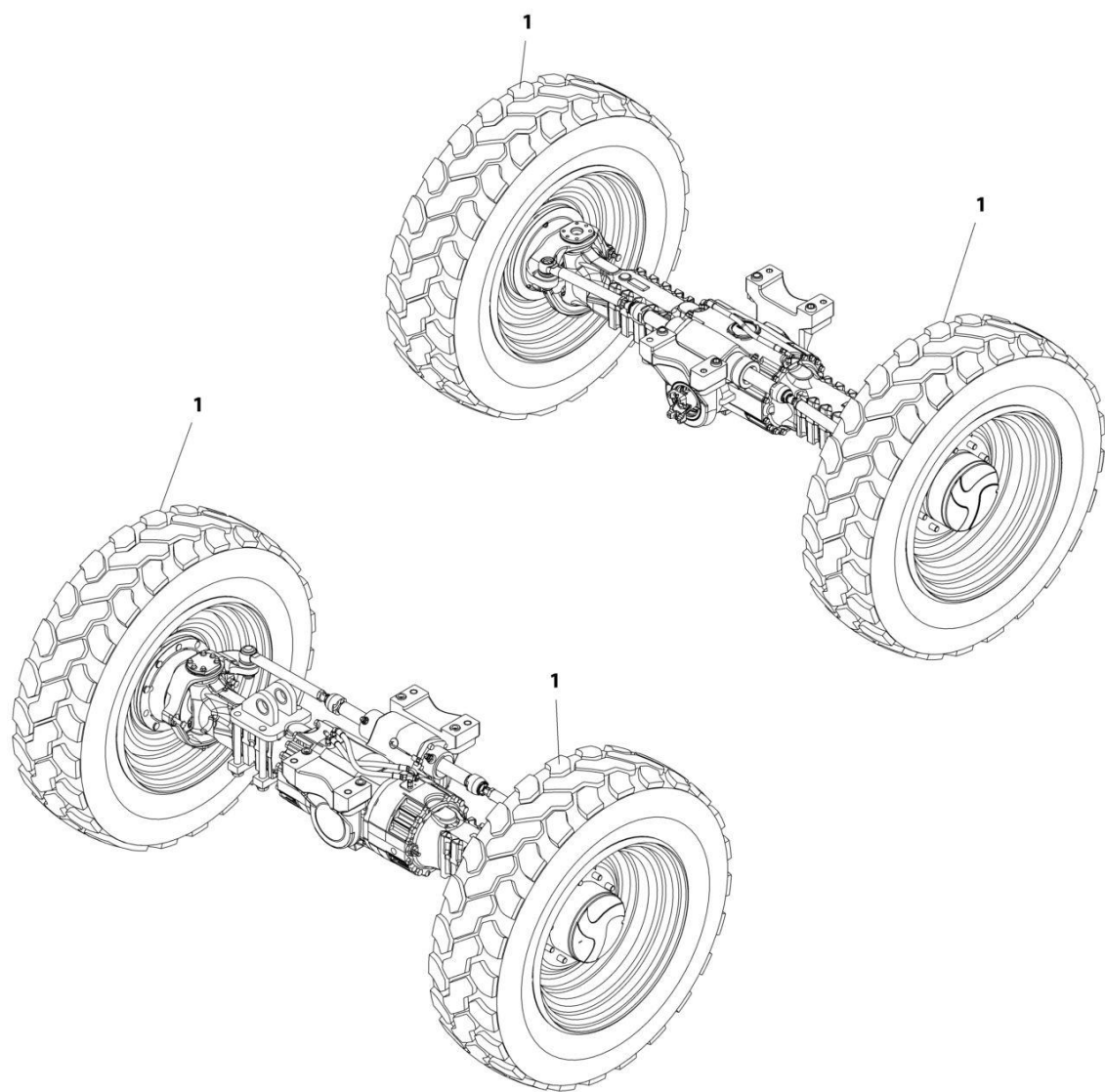
SECTION 5 - DRIVE TRAIN

FIGURE 5-59. TIRE/WHEEL SET 400/75-28 PNEUMATIC NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001241848	Ref	TIRE/WHEEL SET - 400/75-28 - PNEUMATIC NON MARKING	B
	1001241841	4	Assembly, Tire and Wheel - 400/75-28 - Pneumatic Non-Marking (See Items 101-103)	
2	1001275637	1	Strap, Anti-Static	
3	1001275638	1	Bracket	
4	8303620	1	Bolt 3/8 x 1	
5	8307110	2	Washer 3/8	
6	8305645	1	Nut 3/8	A
	1001241841	Ref	ASSEMBLY, TIRE AND WHEEL - 400/75-28 - PNEUMATIC NON-MARKING	
101	8786514	4	Valve, Air (1 per assembly)	
102	1001120178	4	Wheel (1 per assembly)	
103	1001241837	4	Tire 400/75-28 Non-Marking (1 per assembly)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-60. TIRE/WHEEL SET 400/75-28 - FOAM-FILLED



ART_1001125410_D

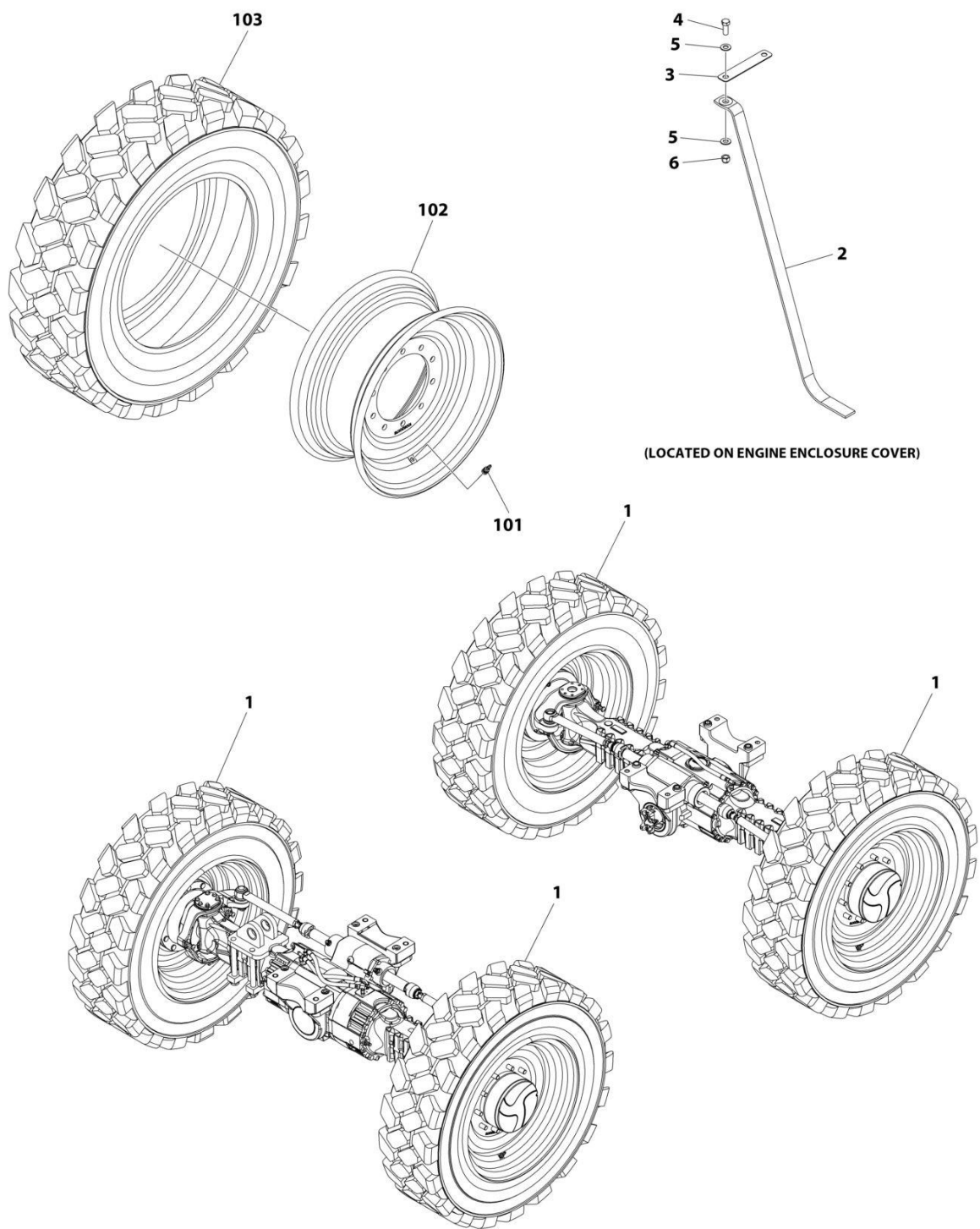
SECTION 5 - DRIVE TRAIN

FIGURE 5-60. TIRE/WHEEL SET 400/75-28 - FOAM-FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125410	1	Tire/Wheel Set 400/75-28 - Foam	D
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	1001121105	4	Tire/Wheel 400/75-28 Foam	
1	8786514	4	Vavle, Air (1 per assembly)	
1	1001120178	4	Wheel (1 per assembly)	
1	1001120179	4	Tire 400/75-28 Non-Marking (1 per assembly)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-61. TIRE/WHEEL SET 400/75-28 NON-MARKING - FOAM-FILLED



ART_1001241849

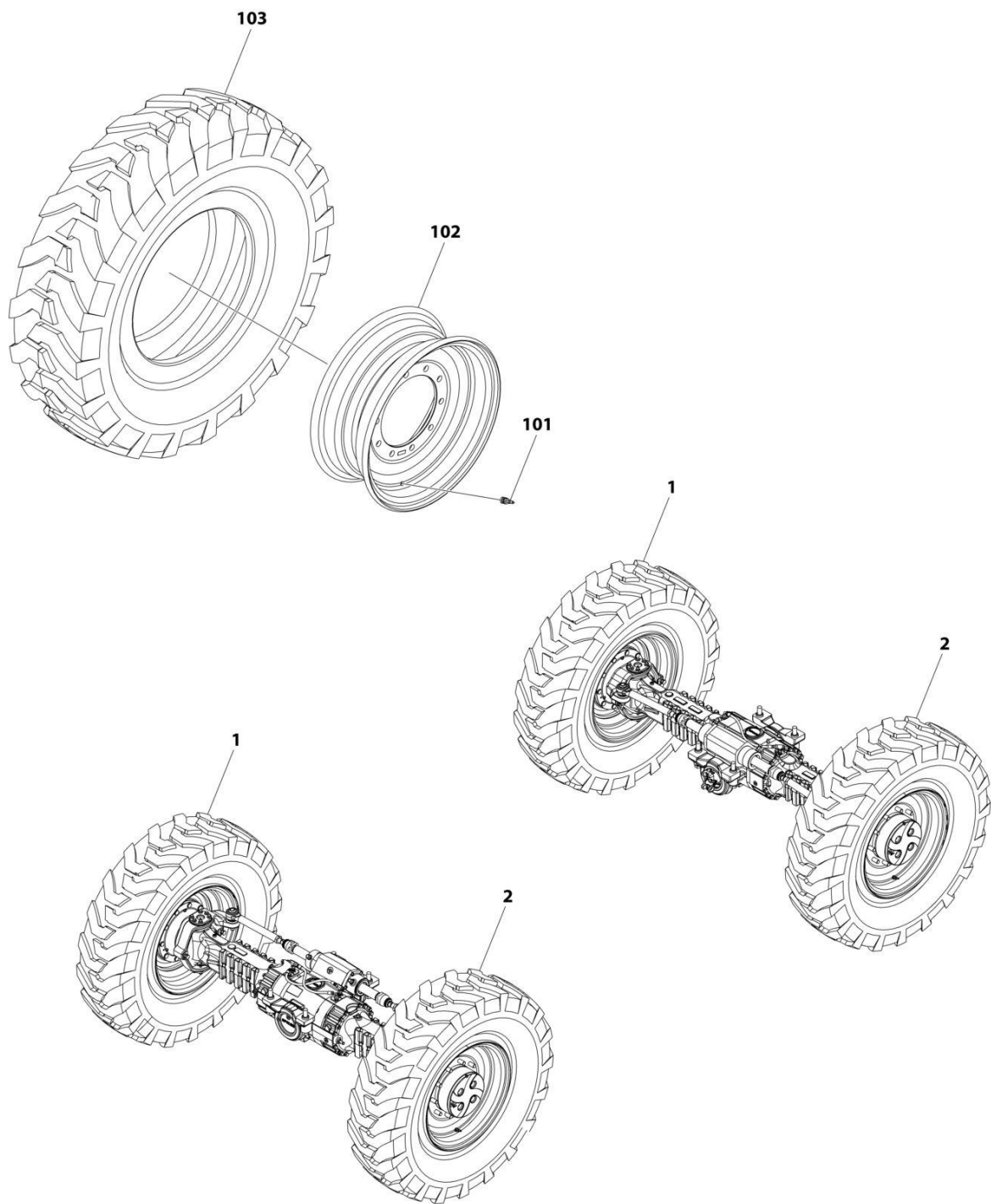
SECTION 5 - DRIVE TRAIN

FIGURE 5-61. TIRE/WHEEL SET 400/75-28 NON-MARKING - FOAM-FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241849	Ref	TIRE/WHEEL SET 400/75-28 - FOAM FILLED NON MARKING	B
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	1001241842	4	Tire and Wheel Assembly (See Items 101-103)	
2	1001275637	1	Strap, Anti-Static	A
3	1001275638	1	Bracket	
4	8303620	1	Bolt 3/8 x 1	
5	8307110	2	Washer 3/8	
6	8305645	1	Nut 3/8	
	1001241842	Ref	TIRE AND WHEEL ASSEMBLY	
101	8786514	4	Valve, Air (1 per assembly)	
102	1001120178	4	Wheel (1 per assembly)	
103	1001241837	4	Tire 400/75-28 Non-Marking (1 per assembly)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-62. TIRE/WHEEL SET 14-24 16PR PNEUMATIC



ART_1001198291

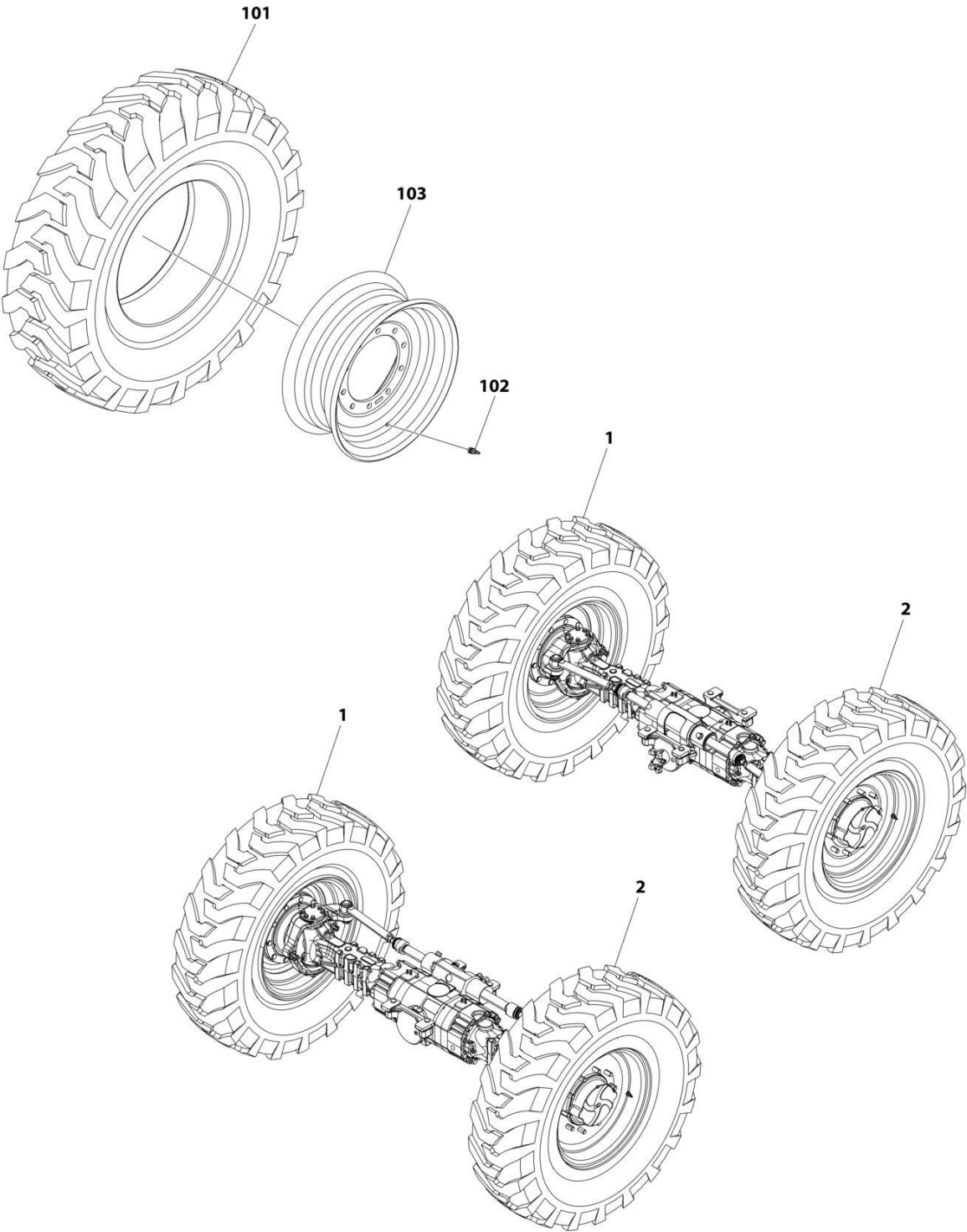
SECTION 5 - DRIVE TRAIN

FIGURE 5-62. TIRE/WHEEL SET 14-24 16PR PNEUMATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001198291	Ref	TIRE/WHEEL SET 14-24 16PR - AIR	A
	1001197715	2	Assembly, Tire/Wheel Right 14-24 16PR - Air (Includes Item 101-103)	
2	1001197716	2	Assembly, Tire/Wheel Left 14-24 16PR - Air (Includes Item 101-103)	
101	8786514	4	Valve, Stem (1 per assembly)	
102	91473206	4	Wheel, 24 x 9.00 GR (1 per assembly)	
103	1001197709	4	Tire, 14.00 x 24 TG 16 PLY BIAS G2 (1 per assembly)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-63. TIRE/WHEEL SET 14-24 12PR - FOAM-FILLED



ART_4520482

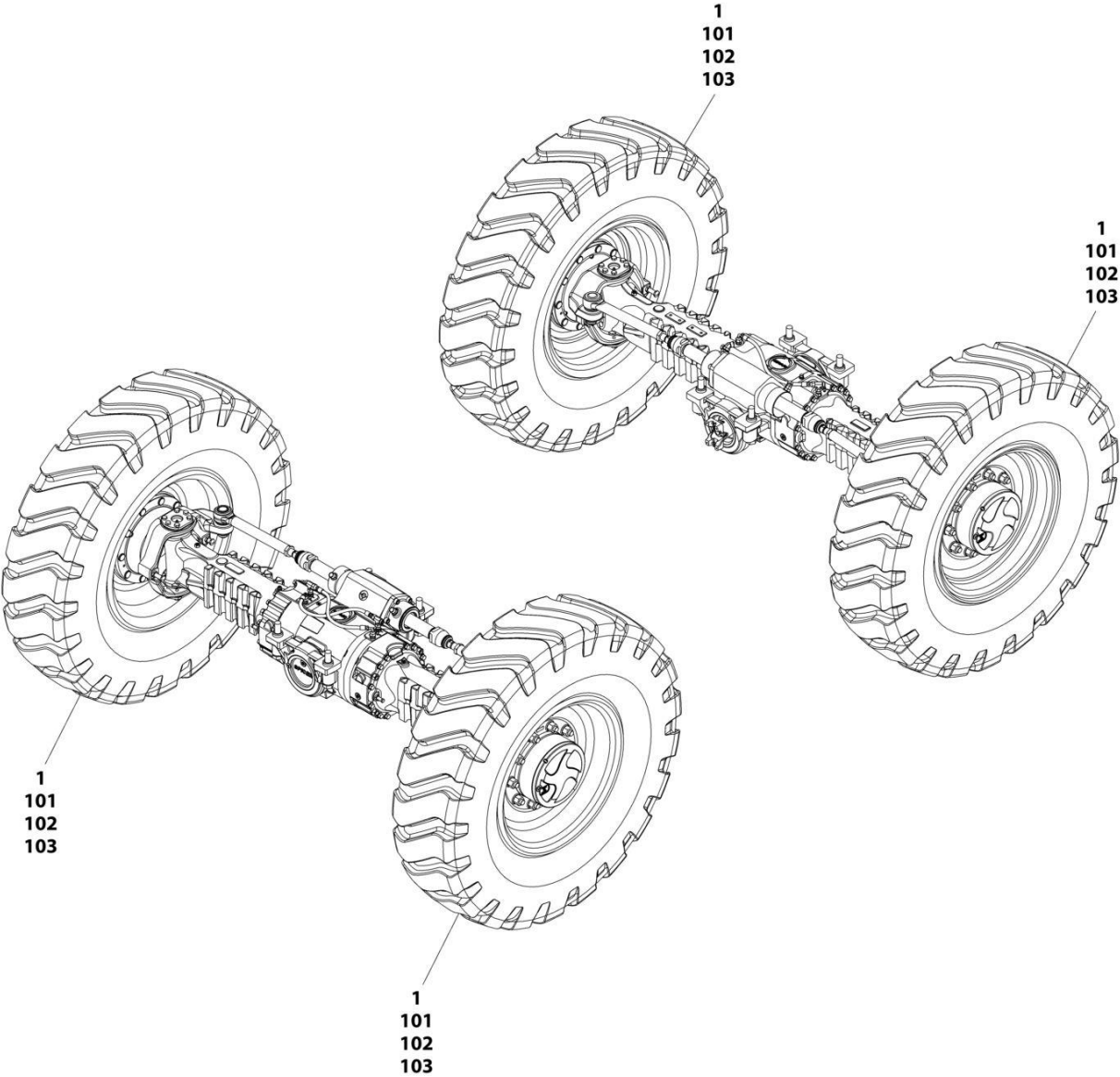
SECTION 5 - DRIVE TRAIN

FIGURE 5-63. TIRE/WHEEL SET 14-24 12PR - FOAM-FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4520482	Ref	TIRE/WHEEL SET - 14.00-24 FOAM FILLED	C
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	91355037	2	Tire/Wheel Right 14-24 G-2 - Foam (Includes Item 101-103)	
2	91355038	2	Tire/Wheel Left 14-24 G-2 - Foam (Includes Item 101-103)	
101	91043084	4	Tire, 13.00 x 24 TG 16 PLY G2, BIAS (1 per assembly)	
102	8786514	4	Valve, Stem (1 per assembly)	
103	91473206	4	Wheel, 24 x 9.00 GR (1 per assembly)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-64. TIRE/WHEEL SET 14-24 12PR - FOAM-FILLED (E-3) (SUNSHINE)



ART_1001264713

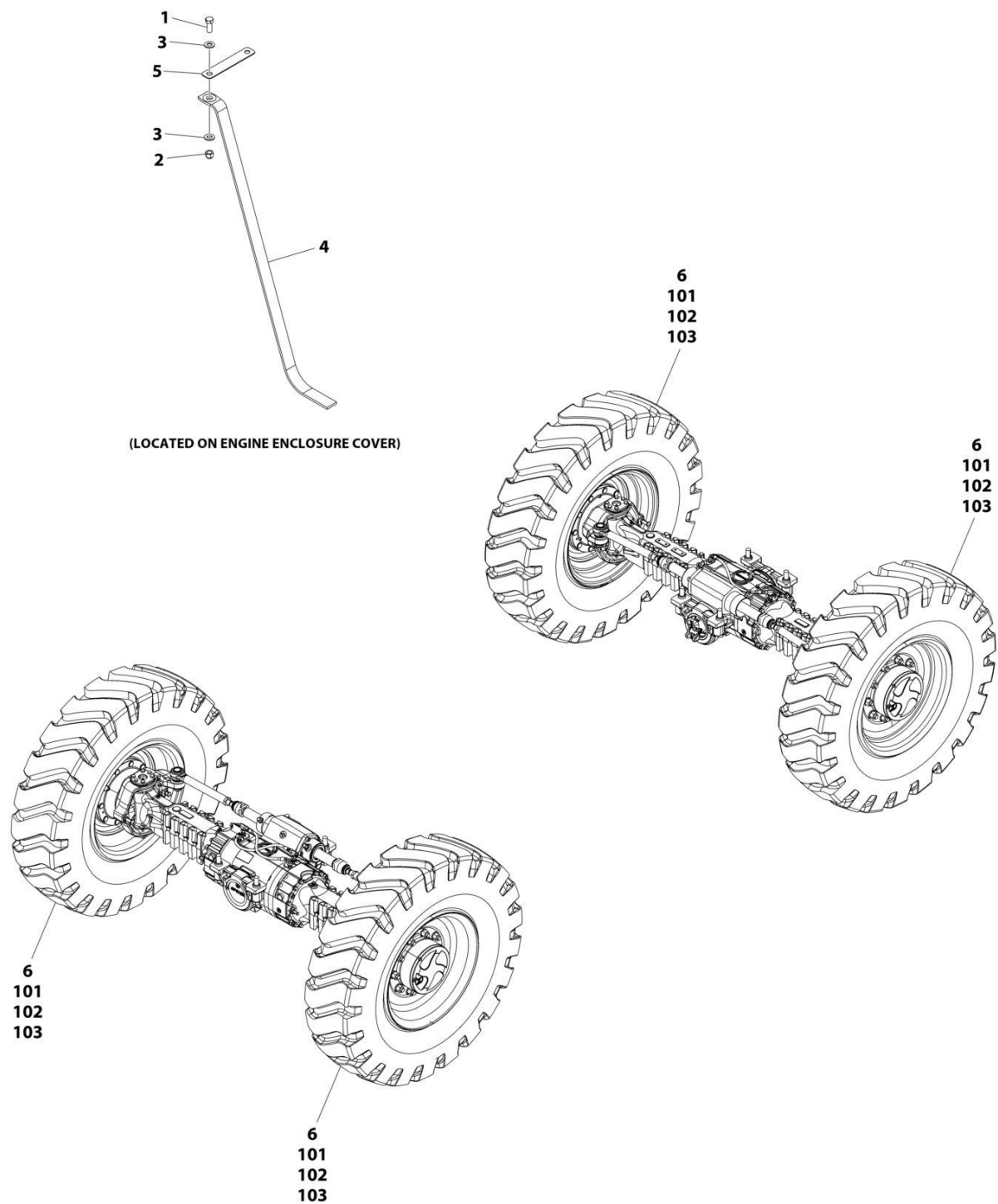
SECTION 5 - DRIVE TRAIN

FIGURE 5-64. TIRE/WHEEL SET 14-24 12PR - FOAM-FILLED (E-3) (SUNSHINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264713	Ref	TIRE WHEEL SET - 14.00-24 - FOAM-FILLED	A
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	1001264700	4	Tire and Wheel Assembly	
101	8786514	4	Valve, Air (1 per assembly)	
102	91473206	4	Wheel (1 per assembly)	
103	1001263011	4	Tire 14.00-24 (1 per assembly)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-65. TIRE/WHEEL SET 14-24 - FOAM-FILLED (E-3) (NON-MARKING) (SUNSHINE)



ART_1001281186

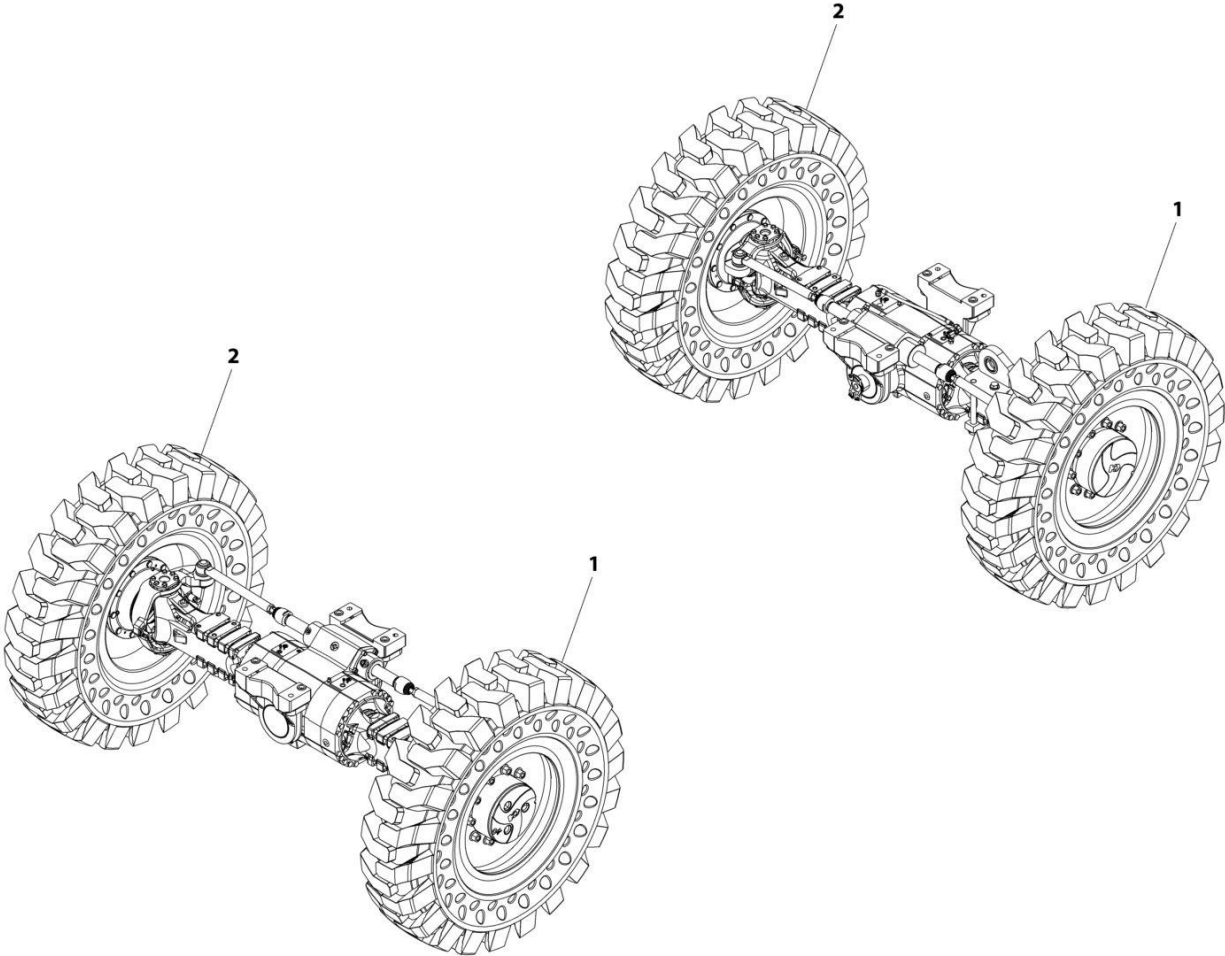
SECTION 5 - DRIVE TRAIN

FIGURE 5-65. TIRE/WHEEL SET 14-24 - FOAM-FILLED (E-3) (NON-MARKING) (SUNSHINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281186	Ref	TIRE/WHEEL SET 14-24 - FOAM-FILLED (E-3) (NON-MARKING) (SUNSHINE)	A
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	8303620	1	Screw 3/8 x 1	
2	8305645	1	Nut 3/8	
3	8307110	2	Washer 3/8	
4	1001275637	1	Strap, Anti-Static	
5	1001275638	1	Bracket	
6	1001281184	4	Tire and Wheel Assembly	
101	8786514	4	Valve, Air (1 per assembly)	
102	91473206	4	Wheel (1 per assembly)	
103	1001281182	4	Tire 14.00-24 (1 per assembly)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-66. TIRE/WHEEL SET 14-24 SOLIDBOSS (DIRECTIONAL)



ART_1001274721

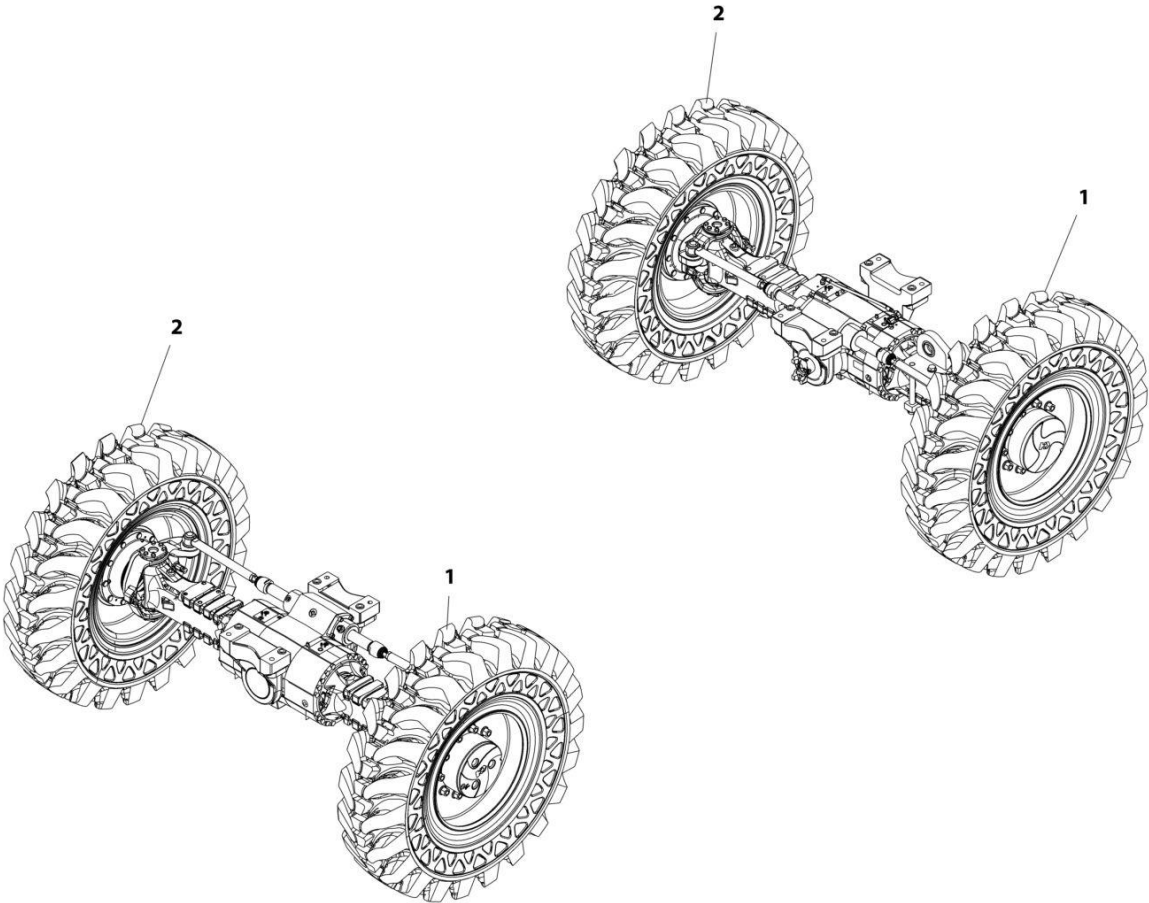
SECTION 5 - DRIVE TRAIN

FIGURE 5-66. TIRE/WHEEL SET 14-24 SOLIDBOSS (DIRECTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274721	Ref	TIRE/WHEEL SET 14-24 SOLIDBOSS (DIRECTIONAL)	A
1	1001274719	2	Tire/Wheel Left 14X24 - Solid	
2	1001274720	2	Tire/Wheel Right 14X24 - Solid	

SECTION 5 - DRIVE TRAIN

FIGURE 5-67. TIRE/WHEEL SET 14-24 SOLIDEAL (DIRECTIONAL)



ART_1001151108-A

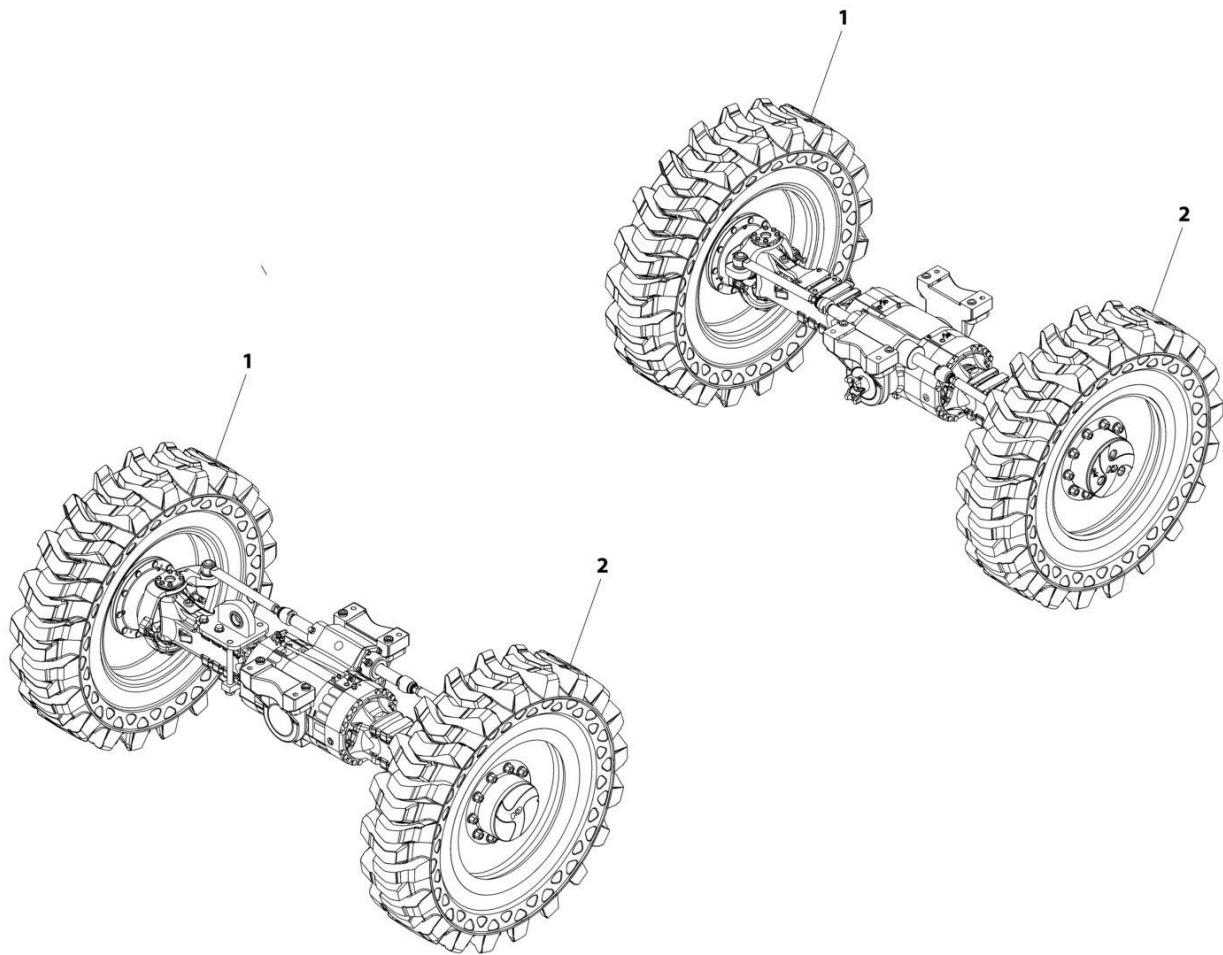
SECTION 5 - DRIVE TRAIN

FIGURE 5-67. TIRE/WHEEL SET 14-24 SOLIDEAL (DIRECTIONAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001151108	1	Tire/Wheel Set 14-24 - Solid	A
	1001151101	2	Tire/Wheel Left 14-24 .219 - Offset	
	1001151102	2	Tire/Wheel Right 14-24 .219 - Offset	

SECTION 5 - DRIVE TRAIN

FIGURE 5-68. TIRE/WHEEL SET 14-28 SOLIDBOSS (DIRECTIONAL)



ART_1001274305

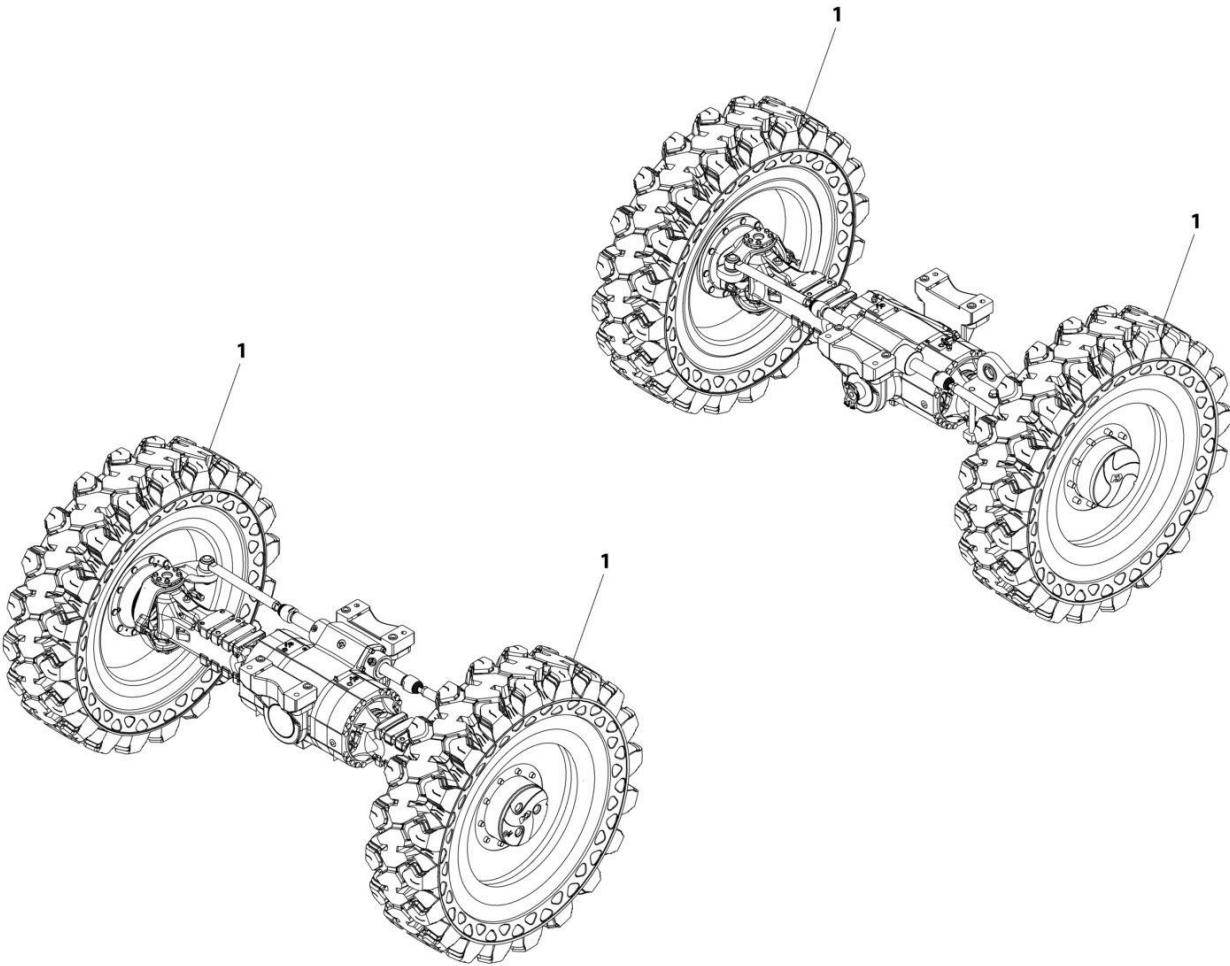
SECTION 5 - DRIVE TRAIN

FIGURE 5-68. TIRE/WHEEL SET 14-28 SOLIDBOSS (DIRECTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274305	Ref	TIRE/WHEEL SET 14-28 SOLIDBOSS (DIRECTIONAL)	A
1	1001274303	2	Tire/Wheel Left 14X28 - Solid	
2	1001274304	2	Tire/Wheel Right 14X28 - Solid	

SECTION 5 - DRIVE TRAIN

FIGURE 5-69. TIRE/WHEEL SET 14-28 SOLIDBOSS (NON-DIRECTIONAL)



ART_1001274307

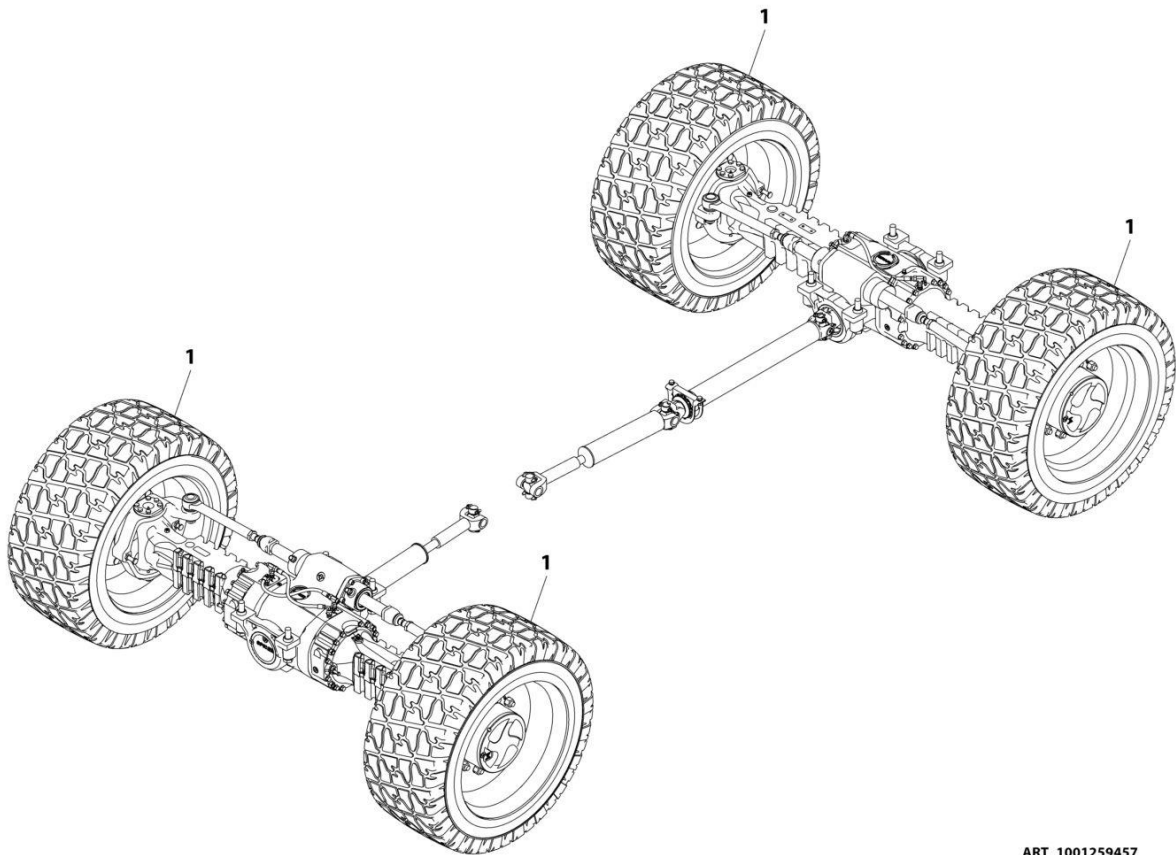
SECTION 5 - DRIVE TRAIN

FIGURE 5-69. TIRE/WHEEL SET 14-28 SOLIDBOSS (NON-DIRECTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001274307	Ref	TIRE/WHEEL SET 14-28 SOLIDBOSS (NON-DIRECTIONAL)	A
	1001274306	4	Tire/Wheel 14X28 - Solid	

SECTION 5 - DRIVE TRAIN

FIGURE 5-70. TIRE/WHEEL SET 18 X 625 (PNUEMATIC TURF)



ART_1001259457

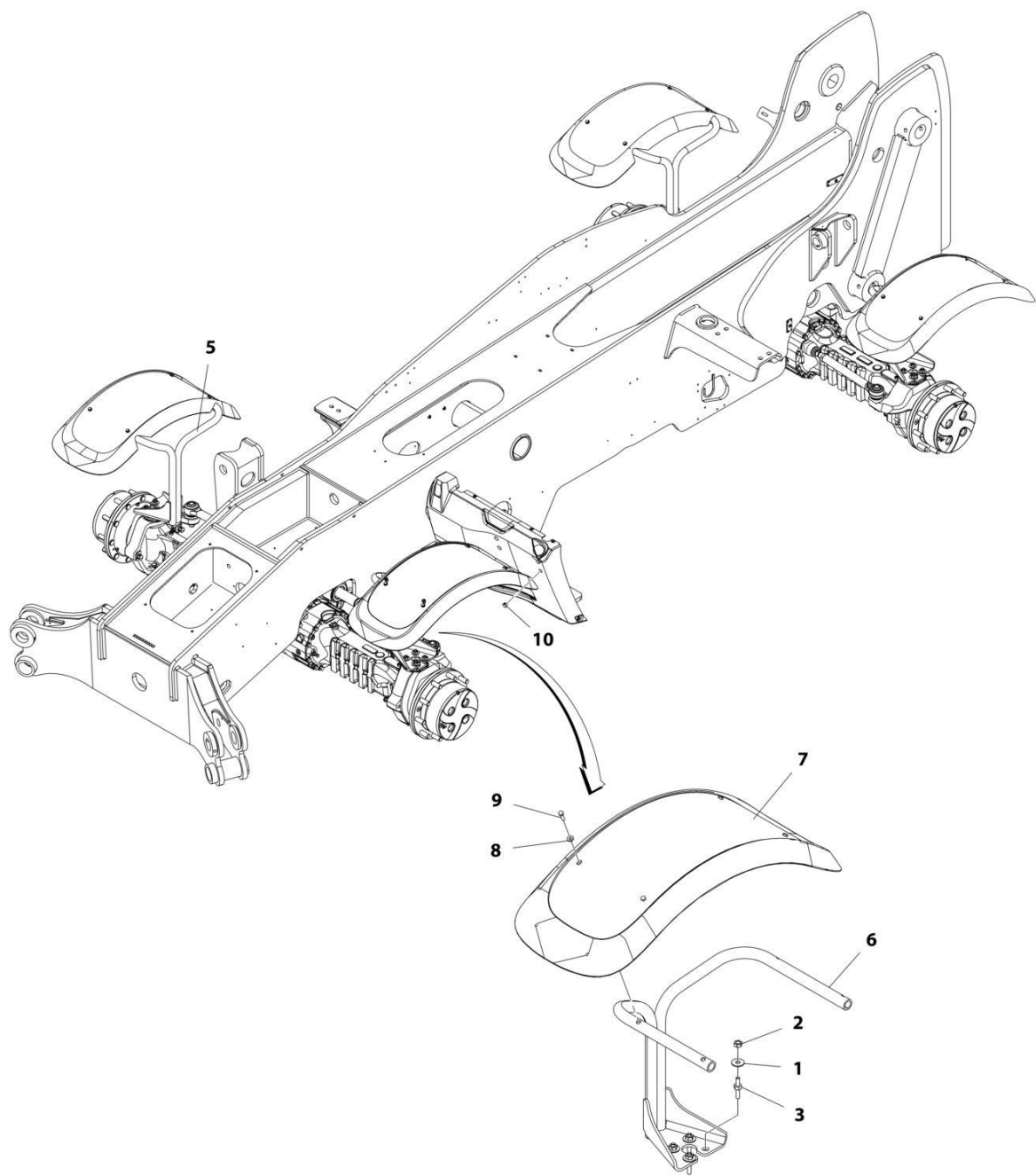
SECTION 5 - DRIVE TRAIN

FIGURE 5-70. TIRE/WHEEL SET 18 X 625 (PNEUMATIC TURF)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259457	Ref	TIRE SET - 18 X 625 (TURF PNEUMATIC)	A
1	1001259635	4	Tire and Wheel Assembly	
1	4520356	4	Tire - 18 x 625 Turf/Sand (1 Per Assembly)	
1	4641122	4	Valve, Air (1 Per Assembly)	
1	1001246001	4	Wheel (1 Per Assembly)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-71. FENDER INSTALLATION



ART_1001171242-E

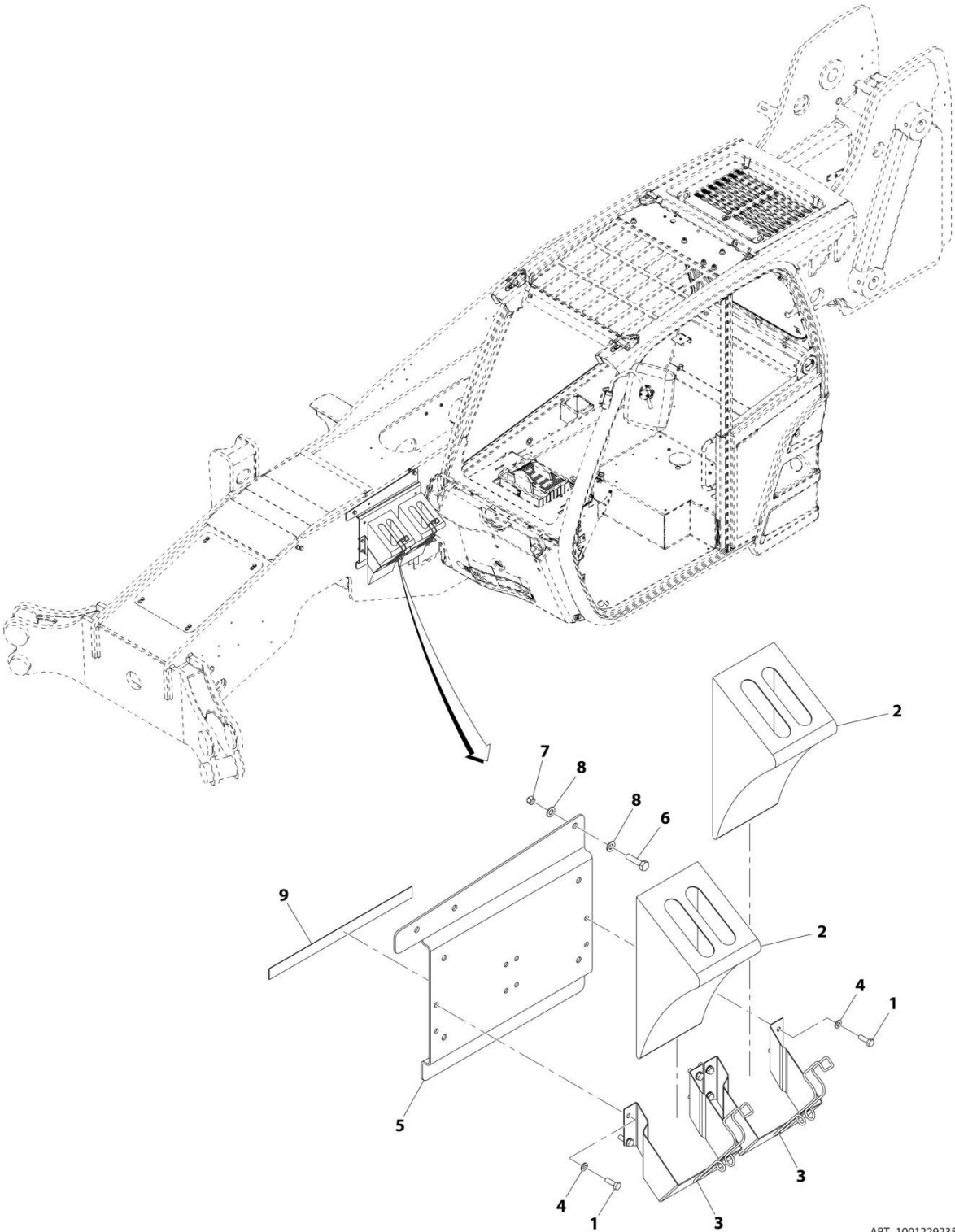
SECTION 5 - DRIVE TRAIN

FIGURE 5-71. FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171242	Ref	Fender Installation	E
1	4812102	16	Washer, M12	
2	91513266	16	Nut, M12X1.25	
3	91514118	16	Stud, Fender	
5	1001202513	2	RH Bracket	
6	1001202512	2	LH Bracket	
7	1001168264	4	Fender	
8	1001202786	16	Washer	
9	0760812	16	Screw, M8X25	
10	1001208338	4	Plug	

SECTION 5 - DRIVE TRAIN

FIGURE 5-72. WHEEL CHOCK INSTALLATION



ART_1001229235-B

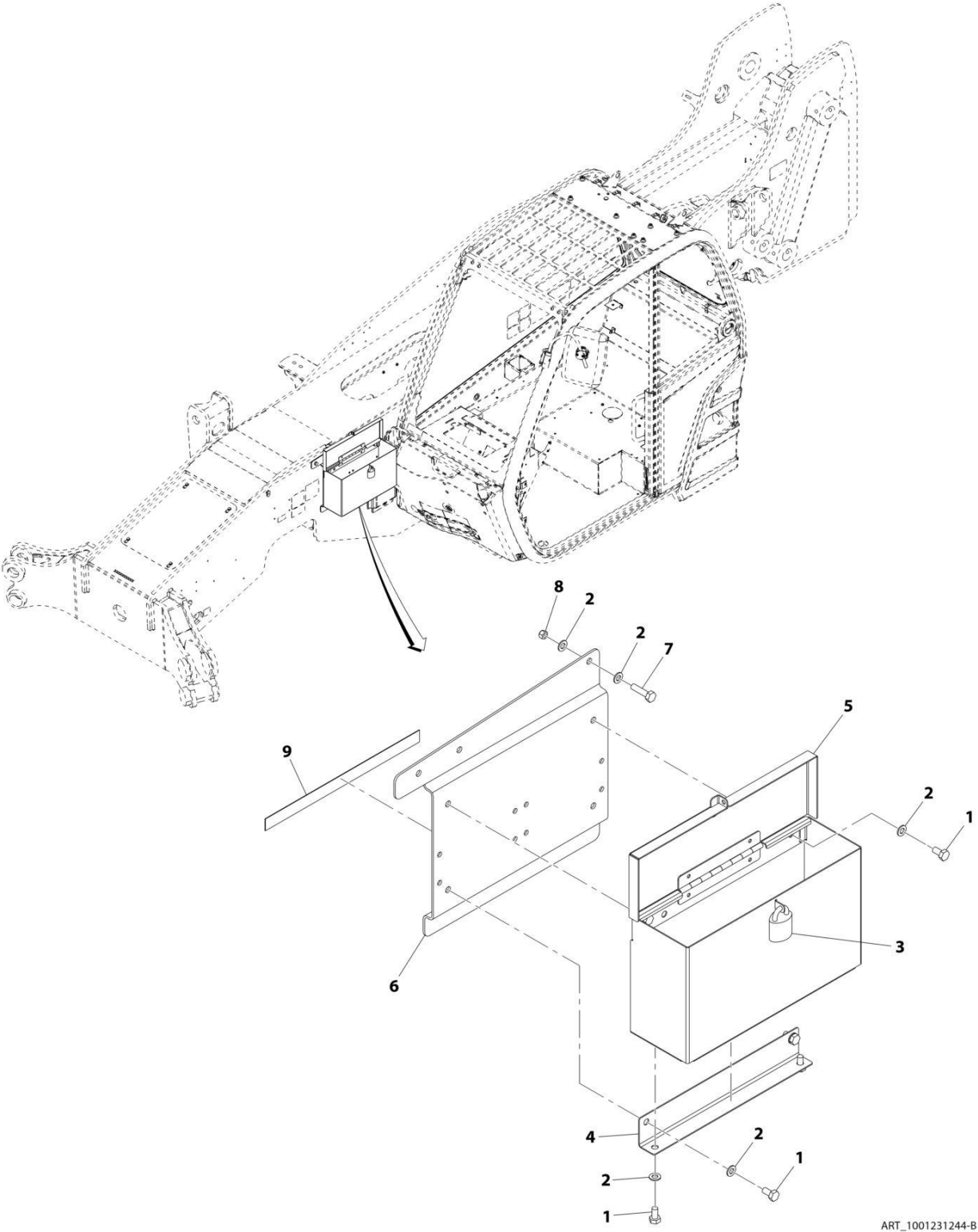
SECTION 5 - DRIVE TRAIN

FIGURE 5-72. WHEEL CHOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229235	Ref	Wheel Chock Installation (If equipped)	B
1	0700812	8	Screw, 8X25 LG	
2	806253	2	Wedge	
3	806264	2	Holder	
4	4811900	8	Washer, 8mm	
5	1001230713J	1	Bracket	
6	0701016	1	Bolt, M10X40	
7	3290805	1	Nut, Lock M8X1.25	
8	4812000	2	Washer, M10	
9	1001165978	380 mm	Adhesive	

SECTION 5 - DRIVE TRAIN

FIGURE 5-73. TOOLBOX INSTALLATION



SECTION 5 - DRIVE TRAIN

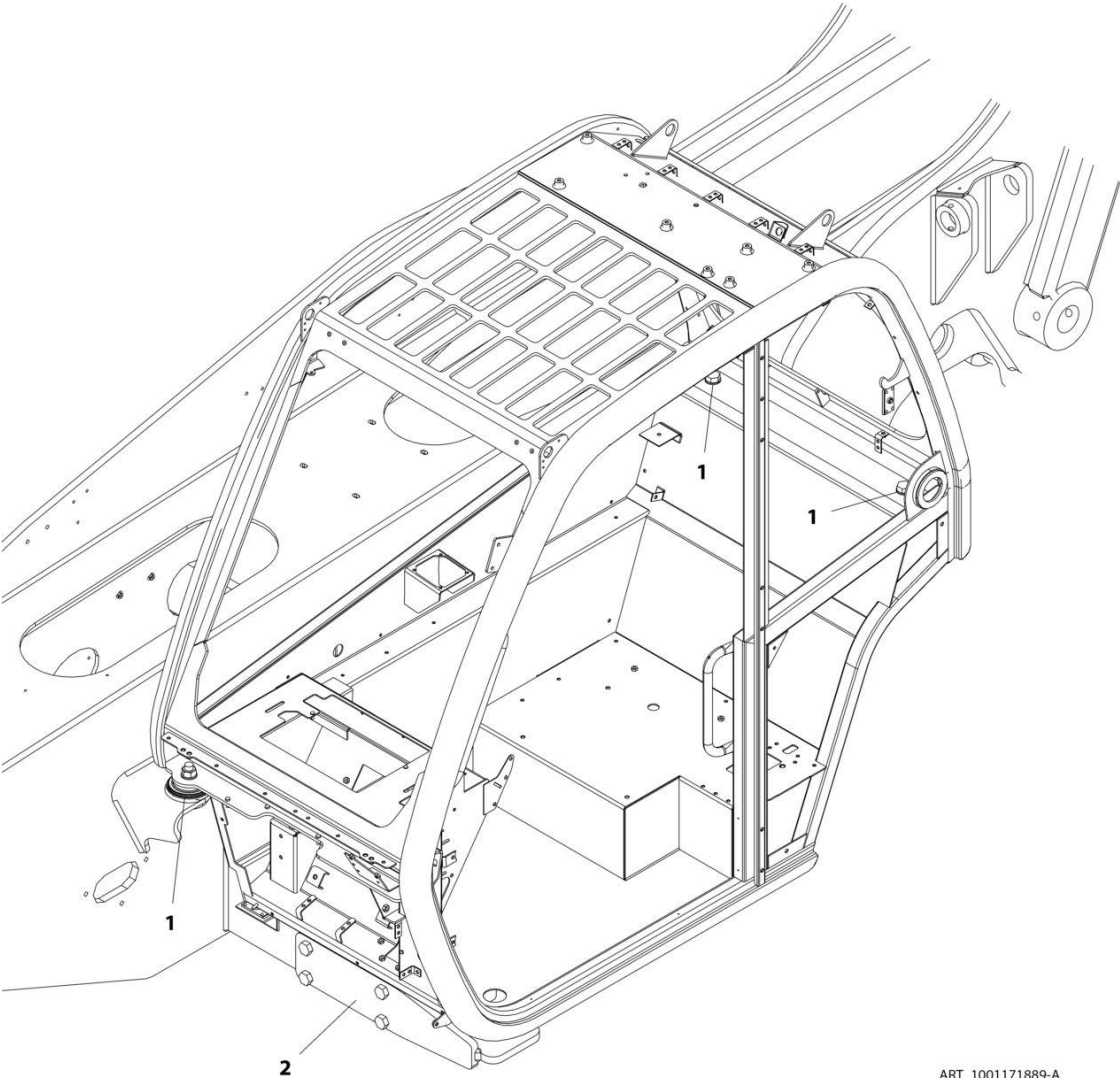
FIGURE 5-73. TOOLBOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231244	Ref	ToolBox Installation (If equipped)	B
1	0761010	6	Bolt, M10X20	
2	4812000	8	Washer, M10	
3	1001008687	1	Padlock	
4	1001178729	1	Bracket	
5	1001192836	1	Box	
6	1001230713J	1	Bracket	
7	0701016	1	Bolt, M10X40	
8	3290805	1	Nut, Lock M8X1.25	
9	1001165978	380 mm	Adhesive	

SECTION 6 - CAB

SECTION 6 - CAB

FIGURE 6-1. CAB MOUNTING



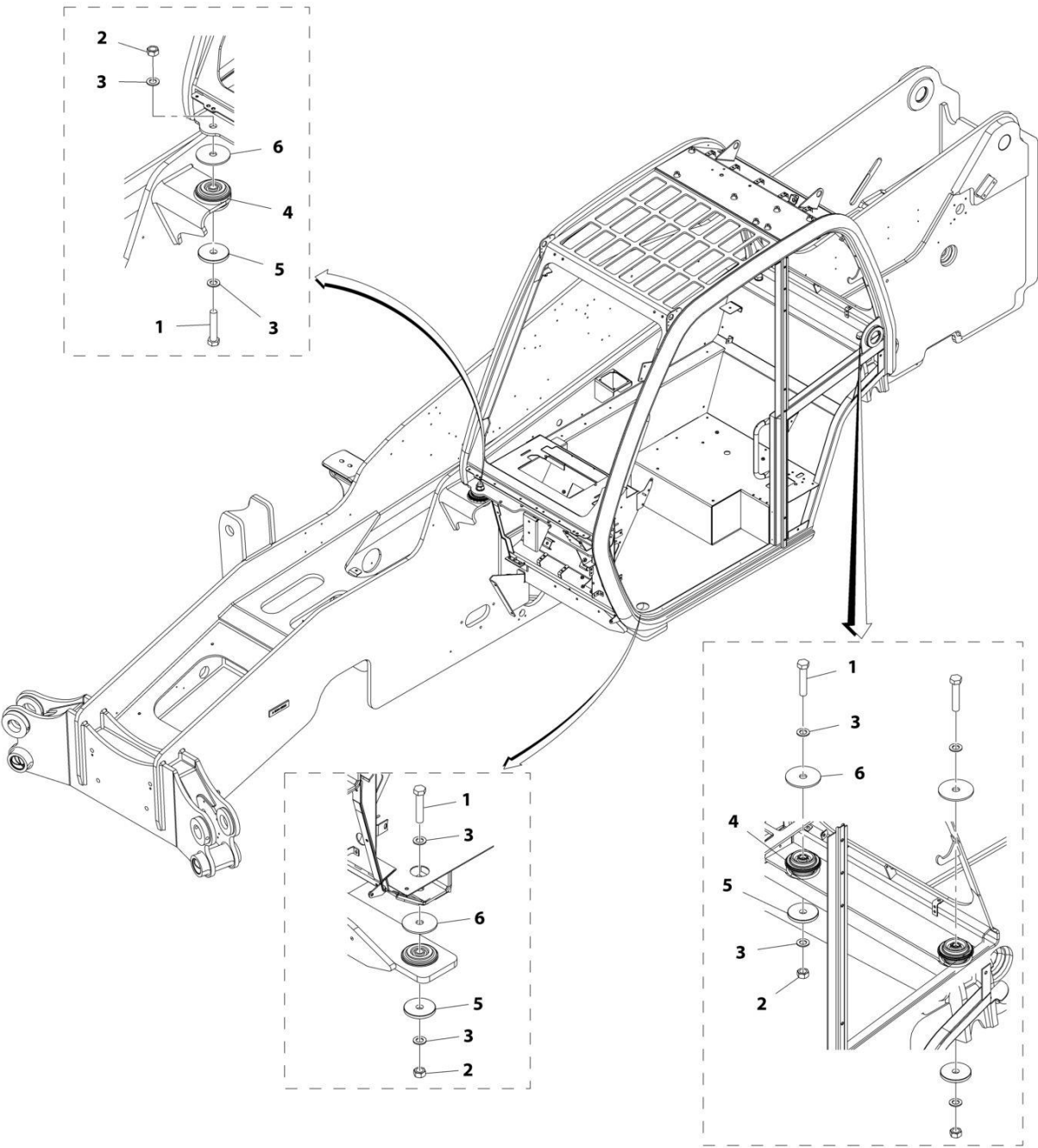
ART_1001171889-A

FIGURE 6-1. CAB MOUNTING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171889	Ref	Cab Mounting	A
1	1001155446	1	Installation, Cab Mounts (See Separate Breakdown in this Section)	
2	1001171890	1	Installation, Front Cab Outrigger (See Separate Breakdown in this Section)	

SECTION 6 - CAB

FIGURE 6-2. CAB MOUNTS INSTALLATION



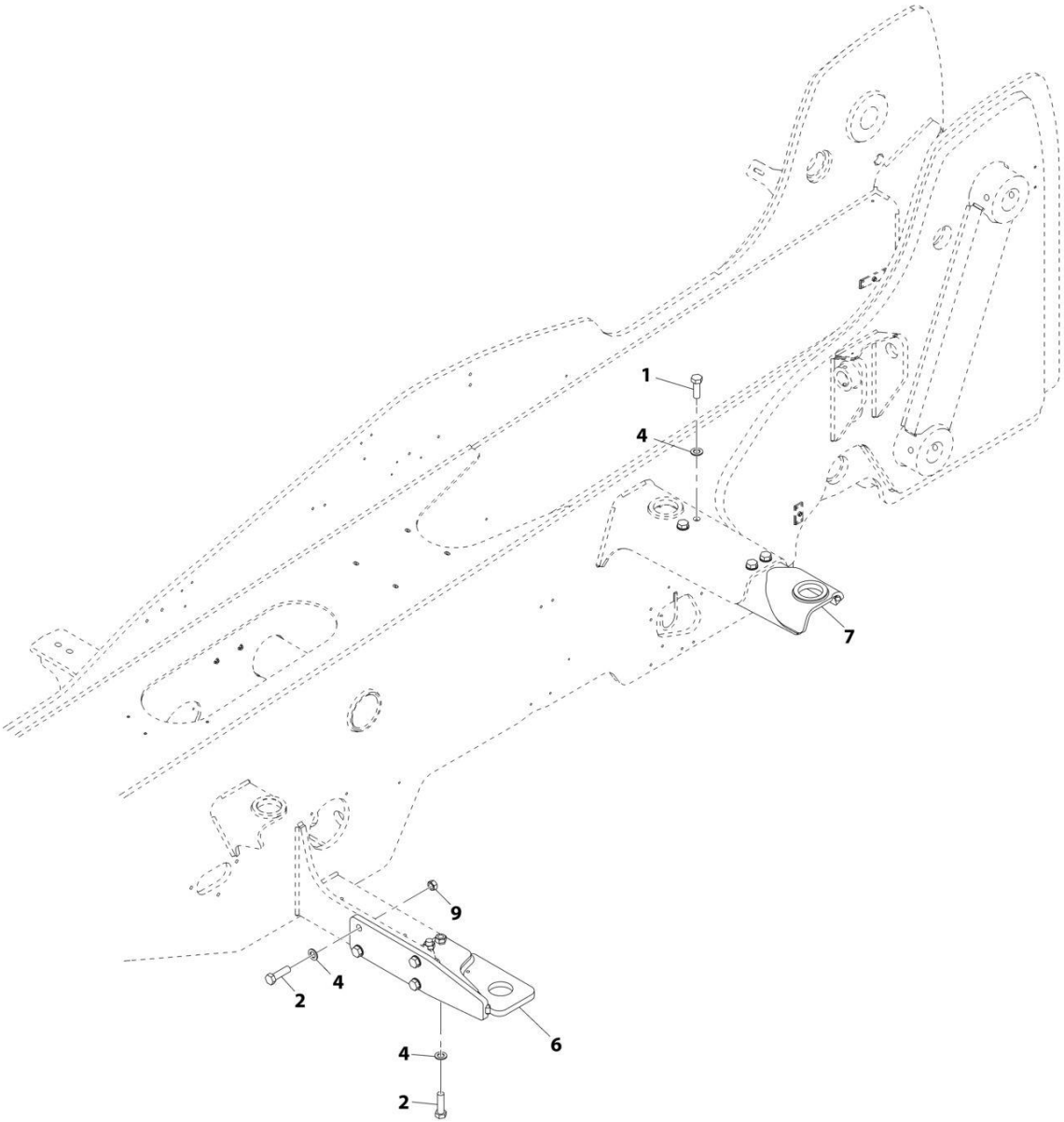
ART_1001155446-E

FIGURE 6-2. CAB MOUNTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155446	Ref	Cab Mounts Installation	E
1	0712027	4	Bolt, M20X100	
2	3332011	4	Nut, M20X2.5	
3	4812500	8	Washer, M20	
4	1001166754	4	Mount, Cab Isolation	
5	1001166755	4	Washer, Cab Rebound	
6	1001220540	4	Washer, Cab Mount	

SECTION 6 - CAB

FIGURE 6-3. FRONT CAB OUTRIGGER INSTALLATION



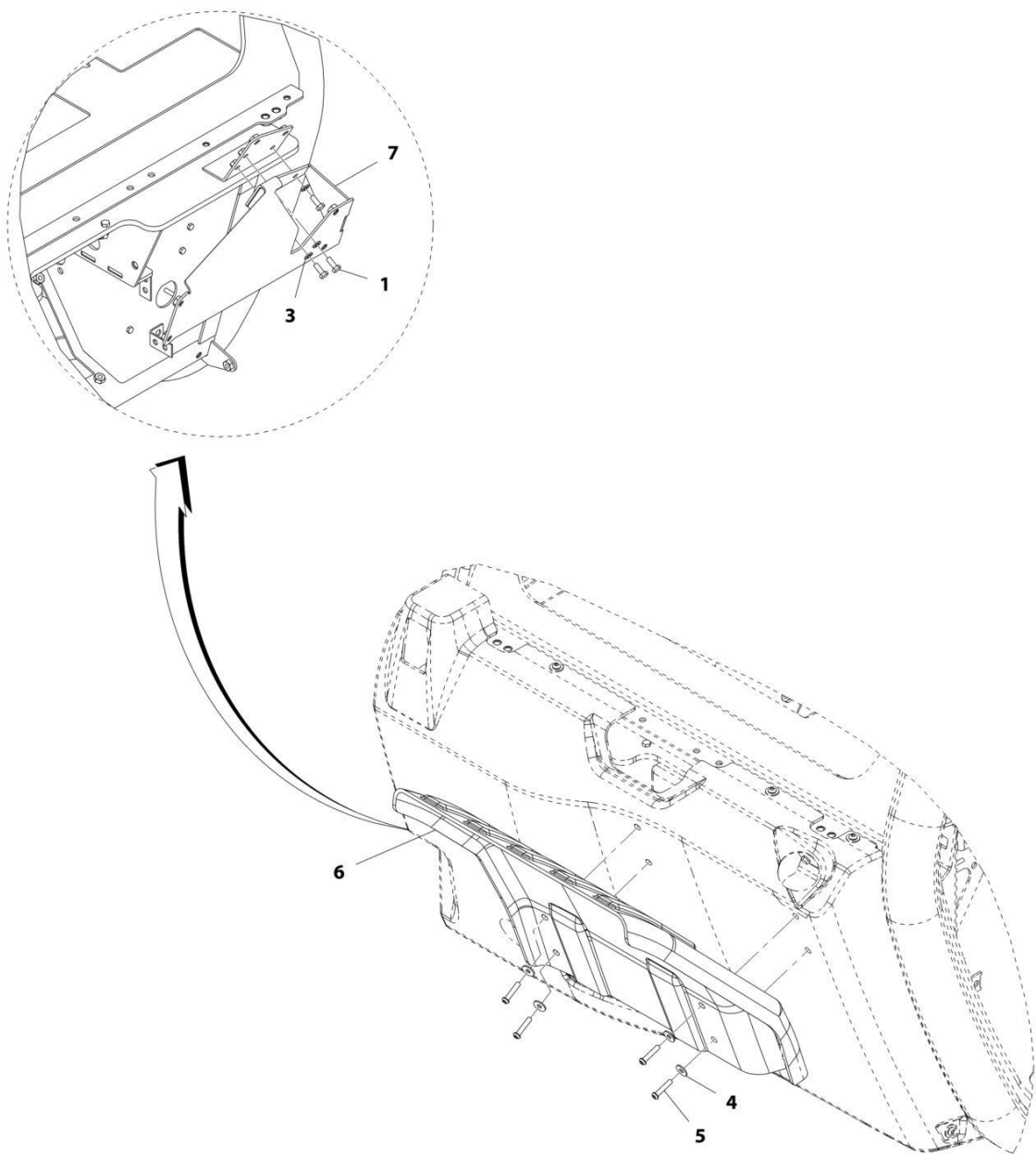
ART_1001171890-E

FIGURE 6-3. FRONT CAB OUTRIGGER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171890	Ref	Front Cab Outrigger Installation	E
1	0712020	4	Bolt, M20X60	
2	0712022	6	Bolt, M20X70	
4	4812500	10	Washer, M20	
6	1001208106	1	Bracket, Front Lower Cab	
7	1001210782	1	Bracket, Rear Cab Mount	
9	3292001	4	Hex Nut, M20X2.5	

SECTION 6 - CAB

FIGURE 6-4. CAB FENDER INSTALLATION



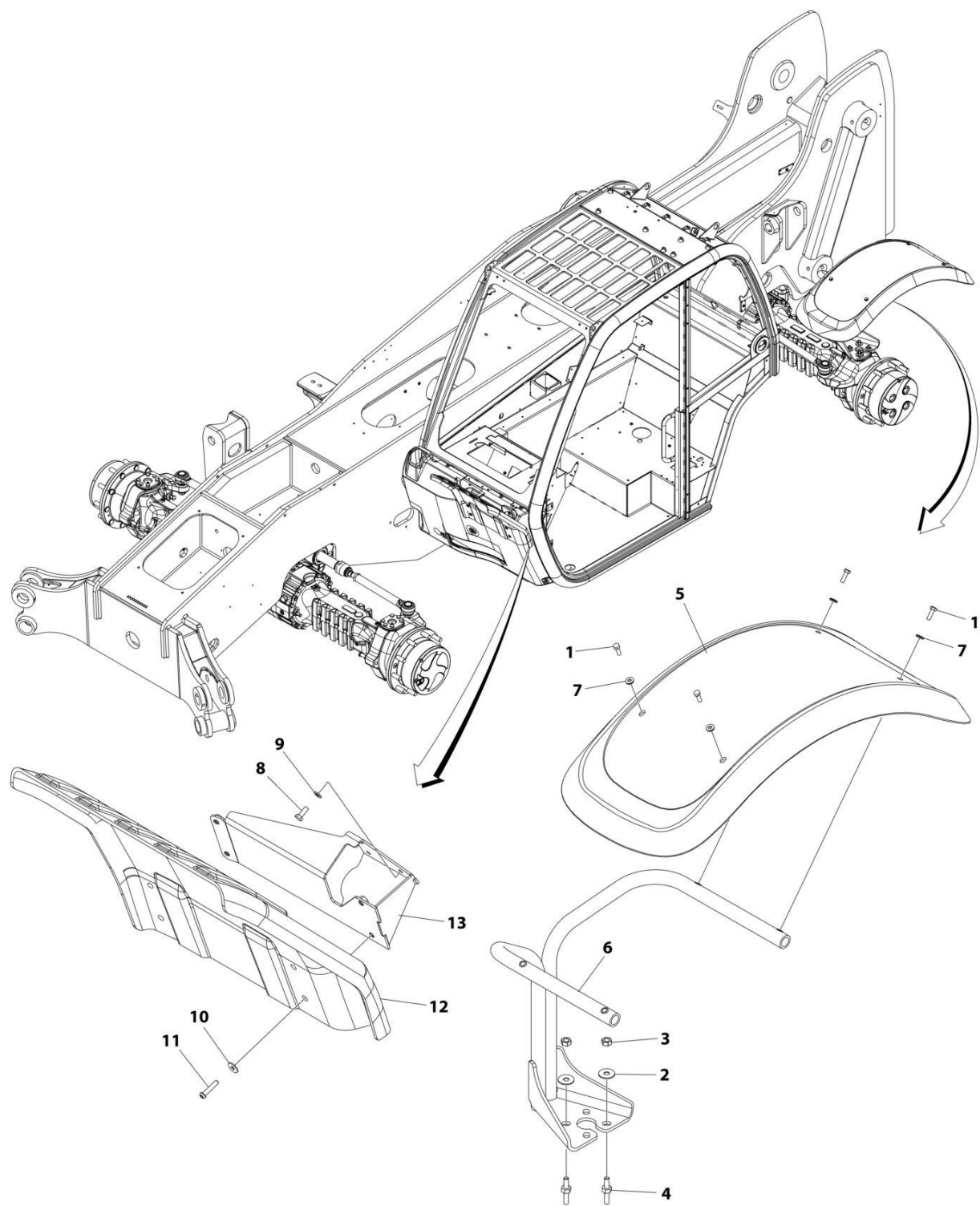
ART_1001195972-C

FIGURE 6-4. CAB FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195972	Ref	Cab Fender Installation	C
1	0760608	3	Bolt, M6X16	
3	4811700	3	Washer, M6	
4	4811702	4	Washer, M6	
5	1001097202	4	Screw, M6X30	
6	1001187335	1	Fender, Front	
7	1001188048	1	Plate	

SECTION 6 - CAB

FIGURE 6-5. CAB FENDER INSTALLATION REAR (LH)



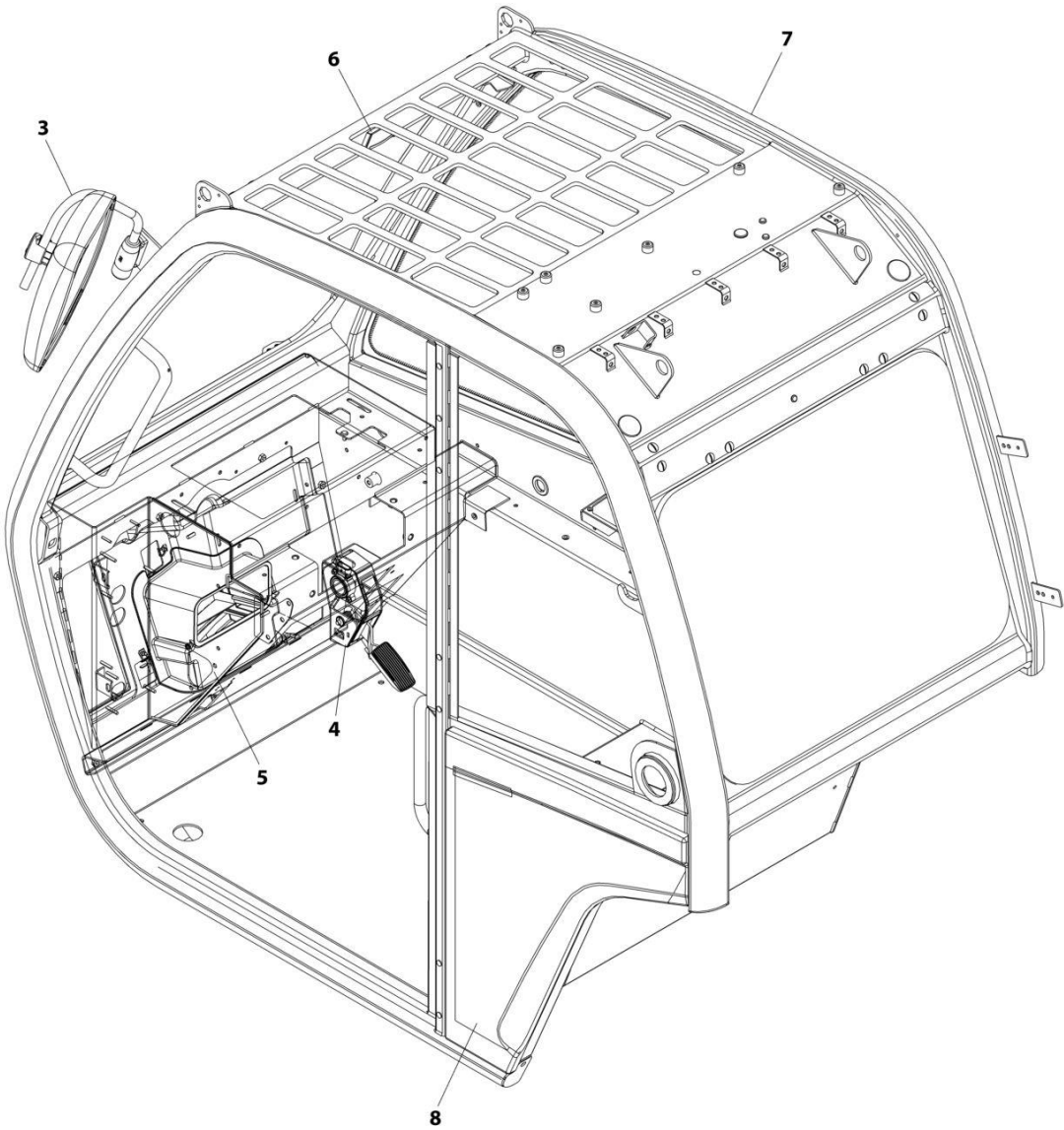
ART_1001236542_B

FIGURE 6-5. CAB FENDER INSTALLATION REAR (LH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236542	Ref	Cab Fender Installation Rear (LH)	B
1	0760812	4	Bolt, M8X25	
2	4812102	4	Washer, M12	
3	91513266	4	Nut, M12X1.25	
4	91514118	4	Stud	
5	1001168264	1	Fender	
6	1001202512	1	Bracket	
7	1001202786	4	Washer	
8	0760608	3	Bolt M6 x 16	
9	4811700	3	Washer M6	
10	4811702	4	Washer M6	
11	1001097202	4	Bolt M6 x 30	
12	1001187335	1	Fender, Front	
13	1001188048	1	Plate	

SECTION 6 - CAB

FIGURE 6-6. OROPS CAB INSTALLATION



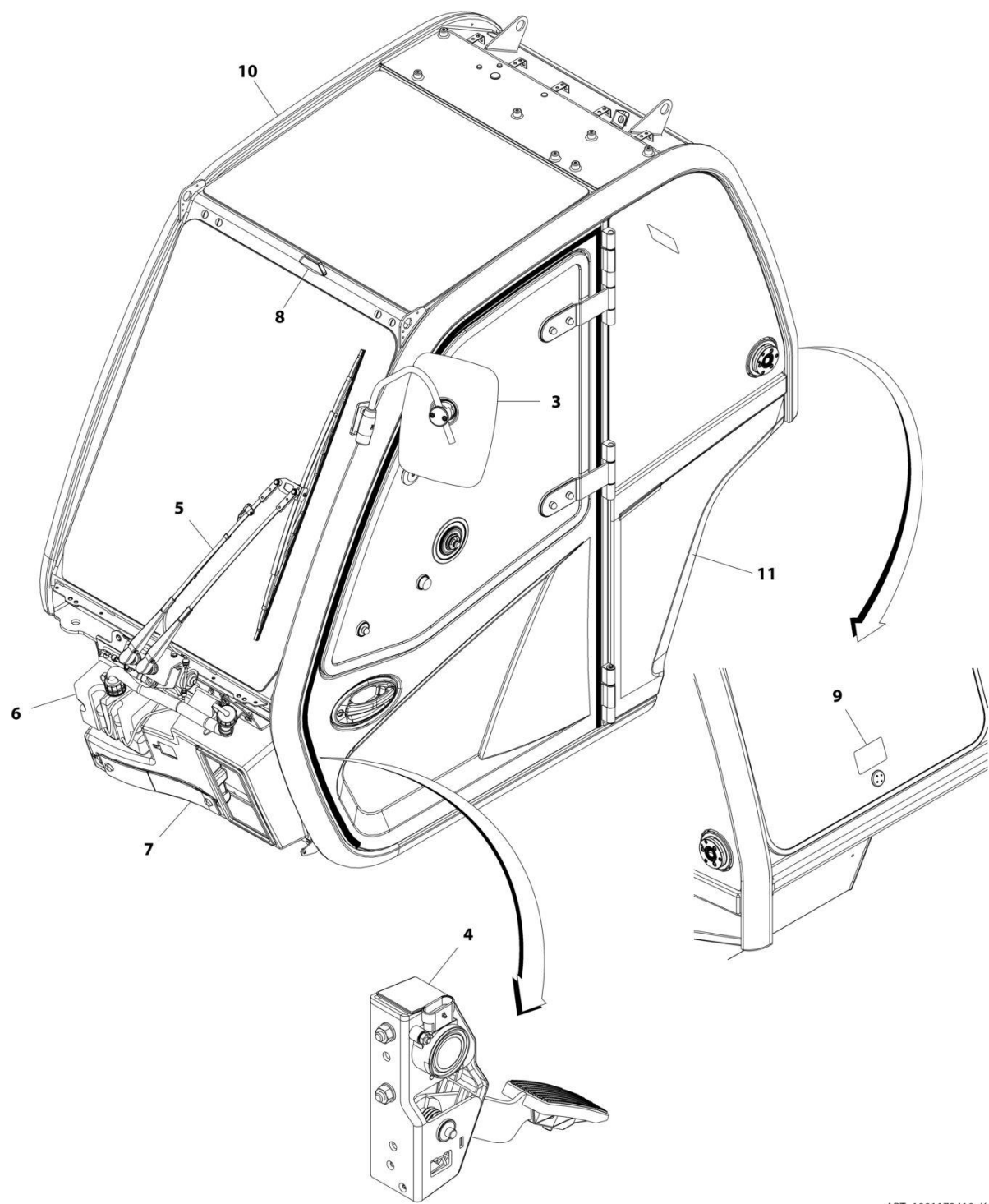
ART_1001154984_I

FIGURE 6-6. OROPS CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154984	Ref	OROPS Cab Installation	J
3	1001160508	Ref	Installation, Mirror (See Separate Breakdown in this Section)	
4	1001161499	Ref	Installation, Accelerator Pedal (See Separate Breakdown in Controls Section)	
5	1001293104	Ref	Installation, Front Cover (See Separate Breakdown in this Section)	
6	1001172401	Ref	Installation, Level Indicator (See Separate Breakdown in this Section)	
7	1001214326	Ref	Cab (See Separate Breakdown in this Section)	
8	1001214331	Ref	Installation, Open Cab (See Separate Breakdown in this Section)	

SECTION 6 - CAB

FIGURE 6-7. EROPS CAB INSTALLATION



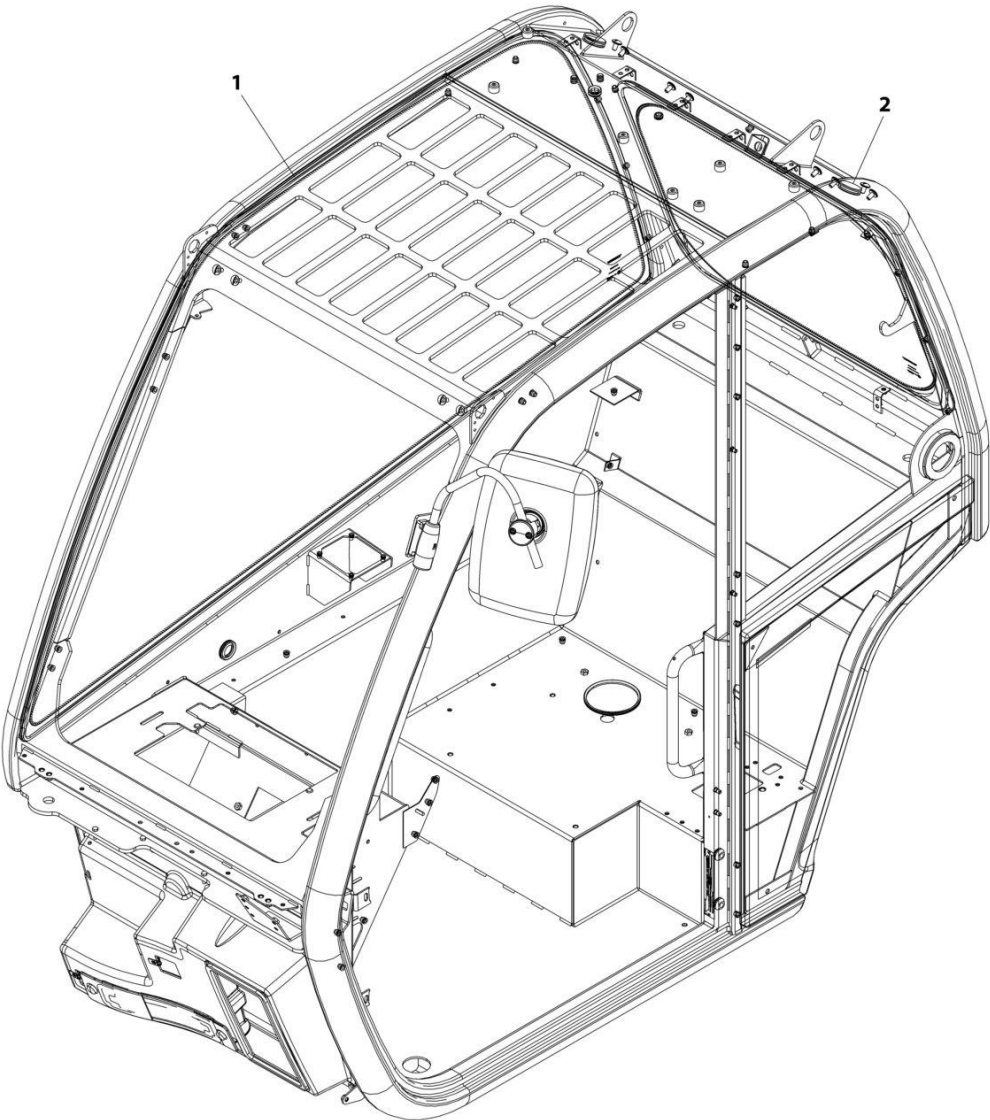
ART_1001173419_K

FIGURE 6-7. EROPS CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173419	Ref	EROPS CAB INSTALLATION	K
3	1001160508	Ref	Installation, Mirror (See Separate Breakdown in this Section)	
4	1001161499	Ref	Installation, Accelerator Pedal (See Separate Breakdown in Controls Section)	
5	1001155447	Ref	Installation, Front Wiper (See Separate Breakdown in this Section)	
6	1001162789	Ref	Installation, Washer Tank (See Separate Breakdown in this Section)	
7	1001170366	Ref	Installation, Front Cover (See Separate Breakdown in this Section)	
8	1001172401	Ref	Installation, Level Indicator (See Separate Breakdown in this Section)	
9	1001204598	1	Decal, Emergency Exit	
10	1001214326	Ref	Cab (See Separate Breakdown in this Section)	
11	1001214332	Ref	Installation, Enclosed Cab (See Separate Breakdown in this Section)	

SECTION 6 - CAB

FIGURE 6-8. CAB, TRIM KIT



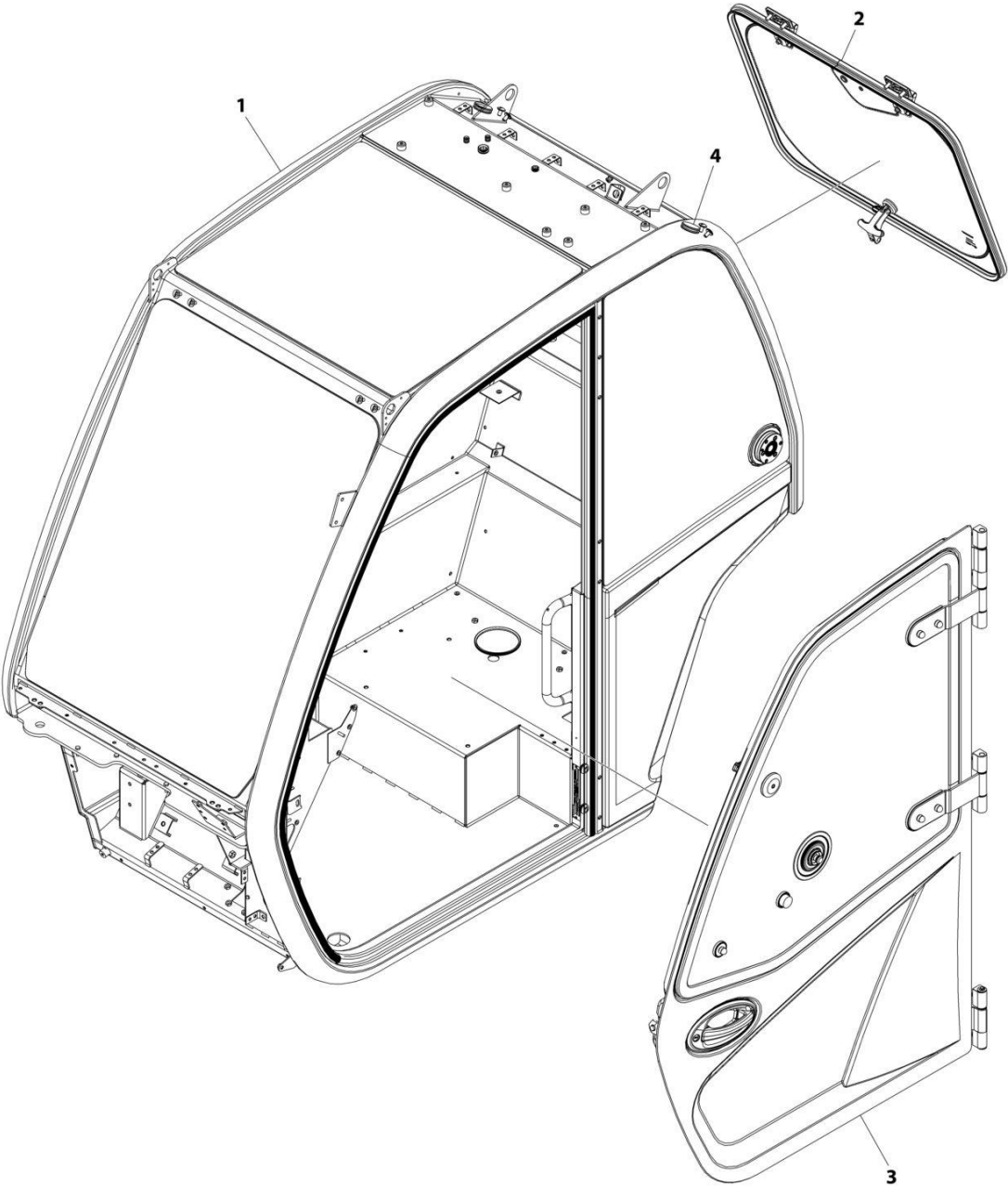
ART_1001214331_E

FIGURE 6-8. CAB, TRIM KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214331	Ref	Open Cab Installation	E
1	1001154721	1	Assembly, Open Cab (See Separate Breakdown in this Section)	
2	1001170495	1	Group, Open Cab Plug (See Separate Breakdown in this Section)	

SECTION 6 - CAB

FIGURE 6-9. CAB, TRIM KIT



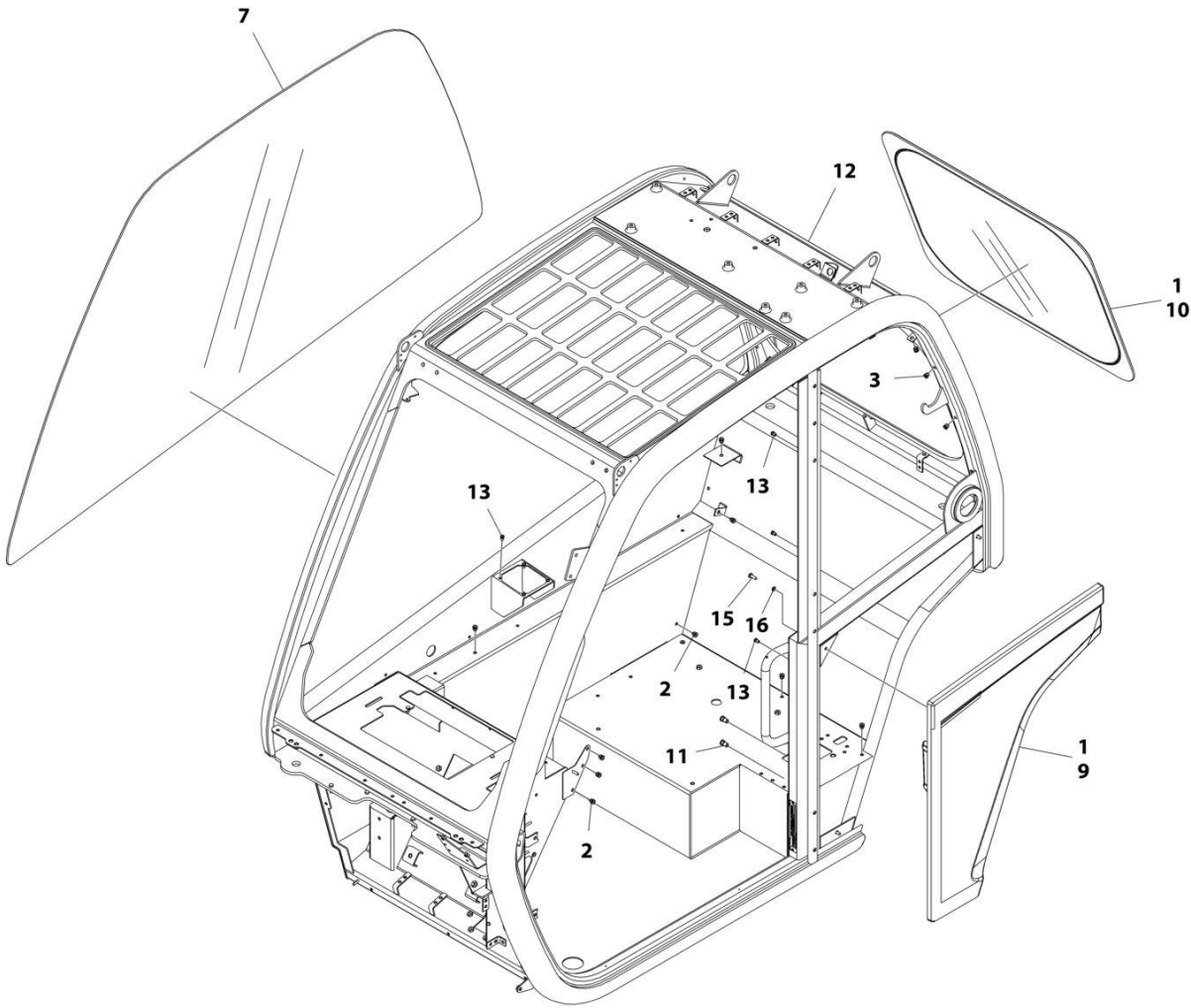
ART_1001214332

FIGURE 6-9. CAB, TRIM KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001214332	Ref	Enclosed Cab Installation	I
	1001154365	1	Assembly, Enclosed Cab (See Separate Breakdown in this Section)	
2	1001170500	1	Installation, Rear Window (See Separate Breakdown in this Section)	
3	1001165080	1	Installation, Door (See Separate Breakdown in this Section)	
4	1001170603	1	Group, Enclosed Cab Plug (See Separate Breakdown in this Section)	

SECTION 6 - CAB

FIGURE 6-10. OPEN CAB ASSEMBLY



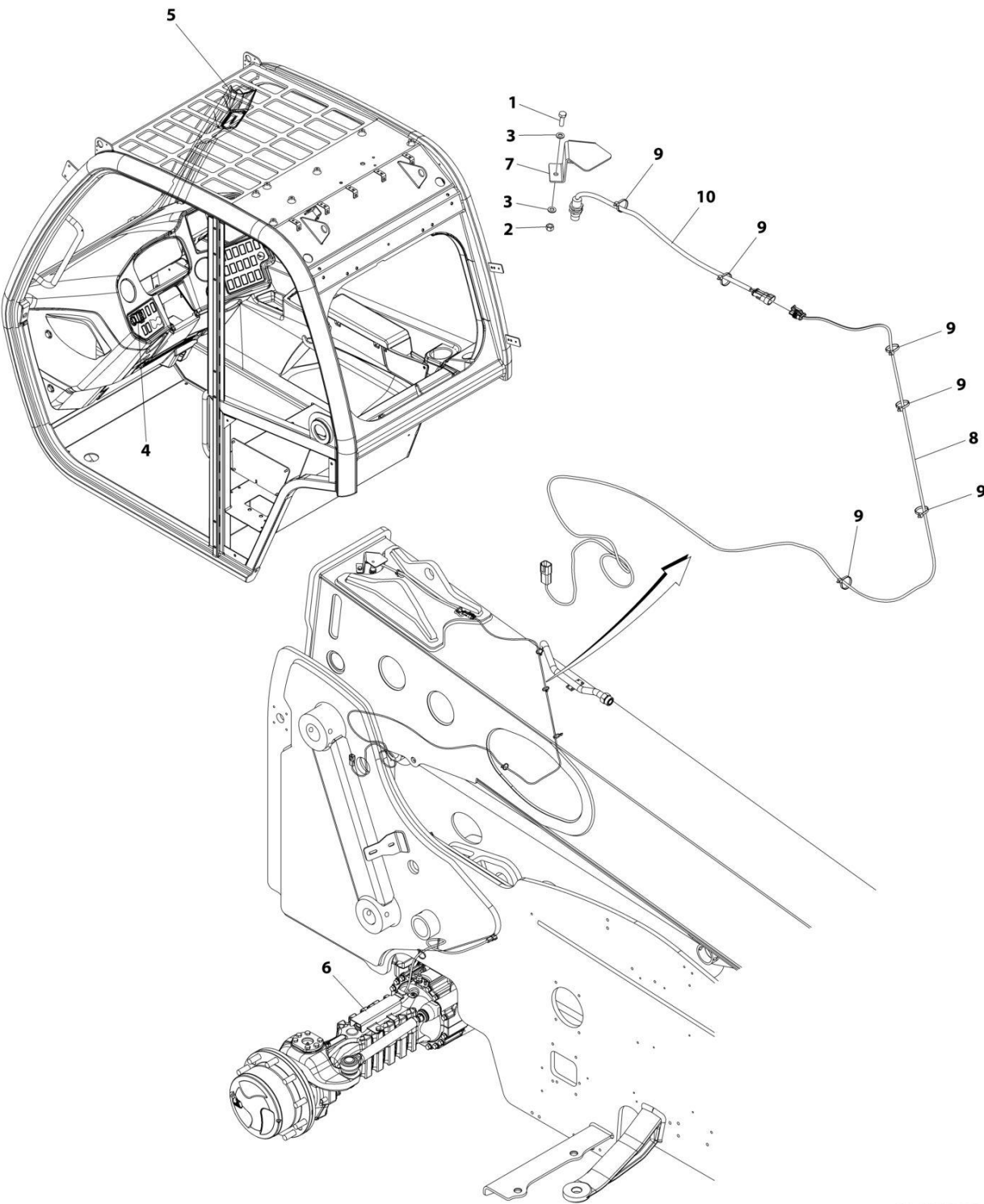
ART_1001154721_J

FIGURE 6-10. OPEN CAB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154721	Ref	Open Cab Assembly	J
1	1001111317	AR	Compound, Locking	
2	2080086	17	Rivnut, M6X1	
3	2080087	16	Rivnut, M8X1.25	
7	1001152947	1	Glass, RH Screen	
9	1001256073	1	Panel, Cab Quarter	
10	1001161538	1	Glass, Rear Window	
11	1001172193	2	Rivnut, M5X0.8	
12	See Note	NSS	Weldment, Cab (Note: Not available for purchase)	
13	1001195878	7	Rivnut, M5X0.8	
15	N.S.S.	3	Screw	
16	4811700	3	Washer, M6	

SECTION 6 - CAB

FIGURE 6-11. LSI OPEN CAB INSTALLATION



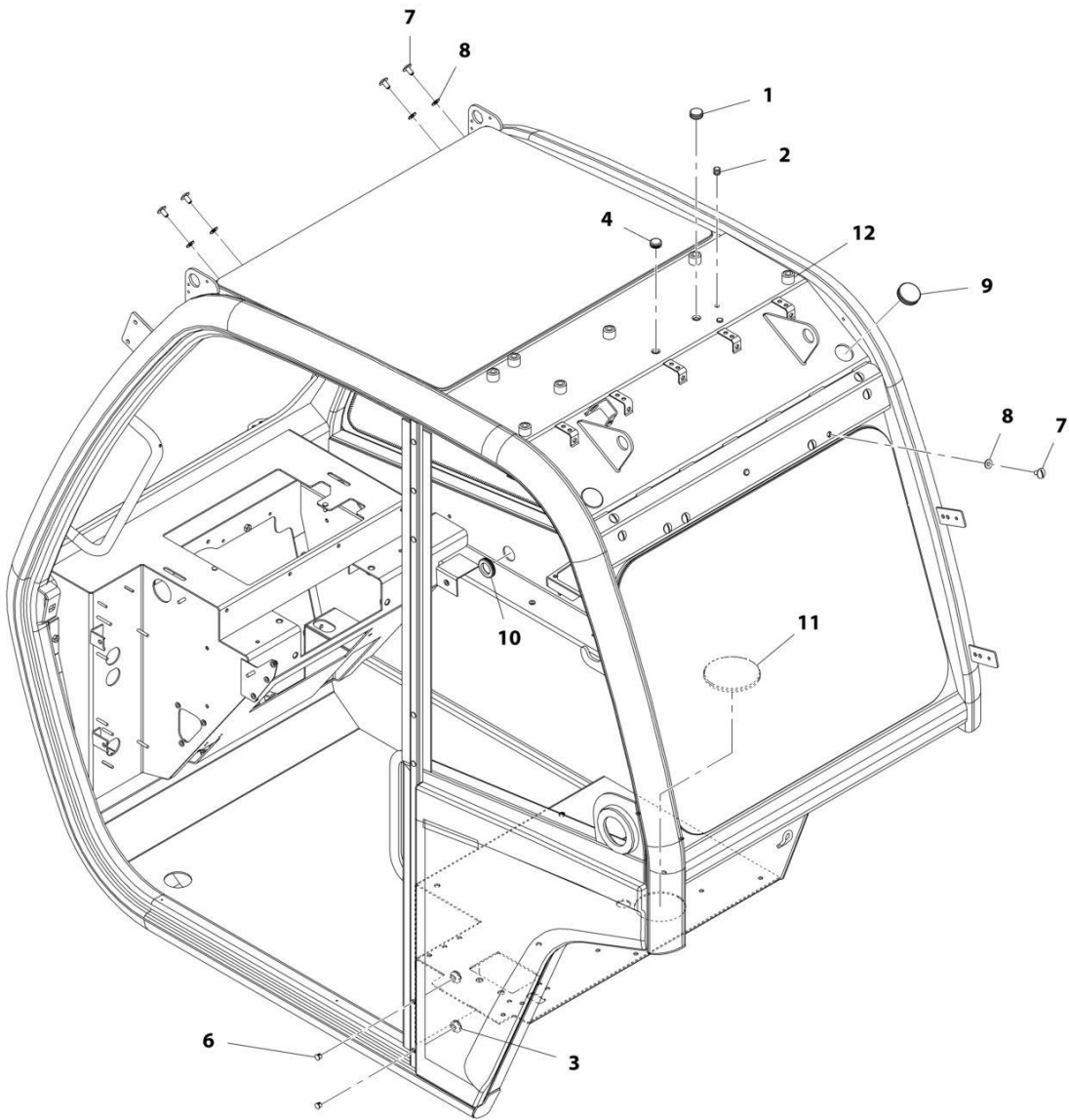
ART_1001258808

FIGURE 6-11. LSI OPEN CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258808	Ref	LSI Open Cab Installation	A
1	0760812	2	Bolt M8X25	
2	3290805	2	Nut M8	
3	4811900	4	Washer M8	
4	1001159742	1	Switch, LSI Override	
5	1001258563	1	LSI Display Installation (See Separate Breakdown in this Section)	
6	1001258644	1	LSI Axle Sensor Installation (See Separate Breakdown in DRIVETRAIN Section)	
7	1001258862	1	Plate	
8	1001259062	1	Harness, Boom Retract (See Separate Breakdown in ELECTRICAL Section)	
9	1001008559	AR	Strap, Cable	
10	1001183024	1	Sensor, Proximity	

SECTION 6 - CAB

FIGURE 6-12. OPEN CAB PLUG GROUP



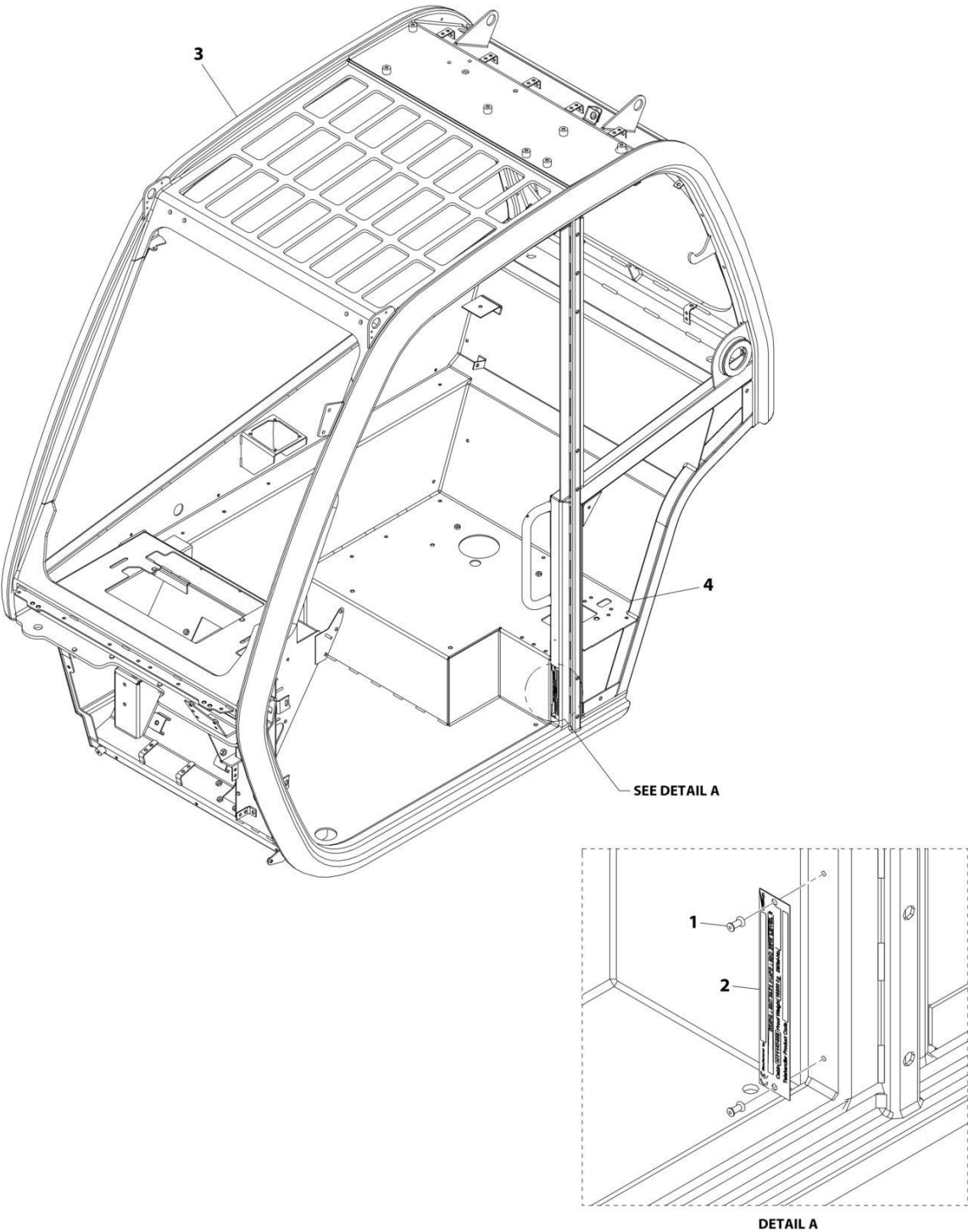
ART_1001170495-E

FIGURE 6-12. OPEN CAB PLUG GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170495	Ref	Open Cab Plug Group	E
1	1001176273	1	Plug	
2	1001176272	3	Plug	
3	1001143200	2	Plug	
4	1001176626	1	Plug	
6	1001170374	7	Plug	
7	1001181920	12	Screw, M8X16	
8	1001181921	12	Washer, M8 Rubber	
9	1001182123	2	Plug	
10	1001182139	1	Plug	
11	1001209899	1	Plug	
12	1001219220	1	Cap, Vinyl Round	

SECTION 6 - CAB

FIGURE 6-13. CAB, EPD CAULK



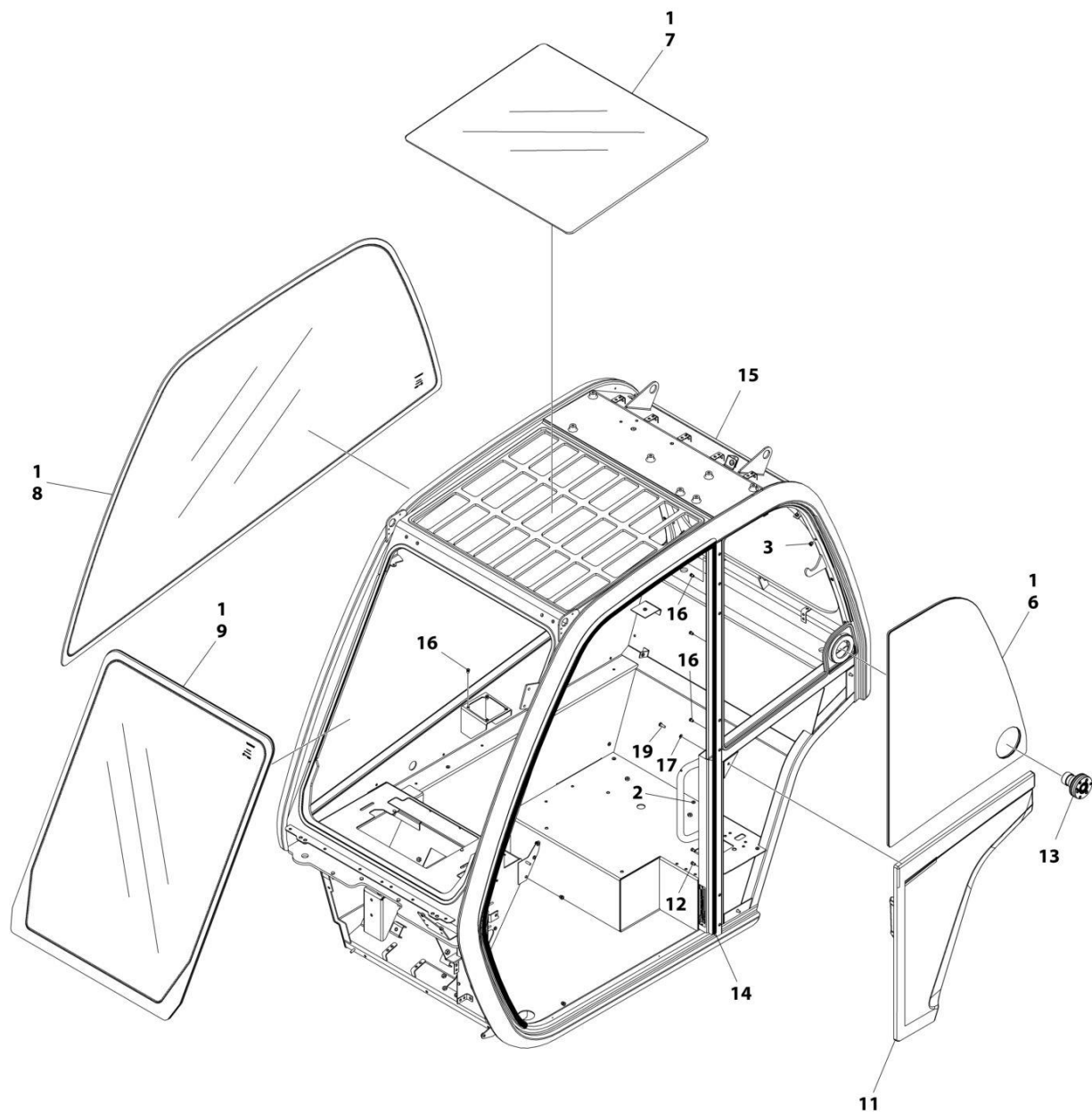
ART_1001214326-E

FIGURE 6-13. CAB, EPD CAULK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214326	Ref	Cab	E
1	1001099170	2	Rivet, 4	
2	N.S.S.	1	Plate, Serial Number	
3	N.S.S.	1	Weldment	
4	1001205402	AR	Sealant	

SECTION 6 - CAB

FIGURE 6-14. ENCLOSED CAB ASSEMBLY



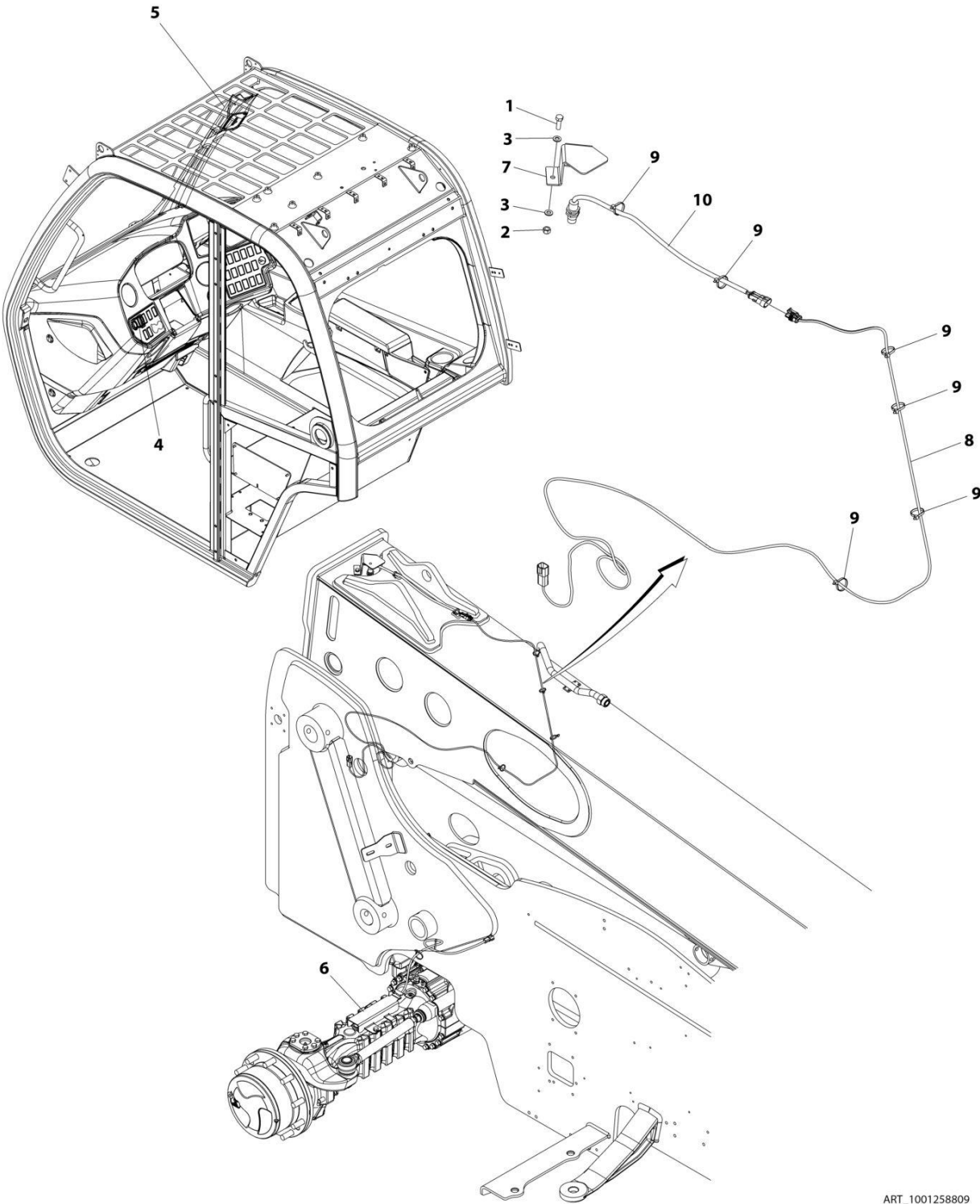
ART_1001154365_K

FIGURE 6-14. ENCLOSED CAB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154365	Ref	Enclosed Cab Assembly	K
1	1001111317	AR	Compound, Locking	
2	2080086	17	Rivnut, M6X1	
3	2080087	16	Rivnut, M8X1.25	
6	1001152915	1	Glass, LH Screen	
7	1001152934	1	Glass, Roof	
8	1001152947	1	Glass, RH Screen	
9	1001154419	1	Glass, Front	
11	1001256073	1	Panel, Cab Quarter	
12	1001172193	2	Rivnut, M5X0.8	
13	1001174320	1	Latch, Top Window	
14	1001227186	1	Seal, Cab Door	
15	See Note	NSS	Weldment, Cab (Note: Not available for purchase)	
16	1001195878	7	Rivnut, M5X0.8	
17	4811700	3	Washer, M6	
19	N.S.S.	3	Screw	

SECTION 6 - CAB

FIGURE 6-15. LSI EMCLOSED CAB INSTALLATION



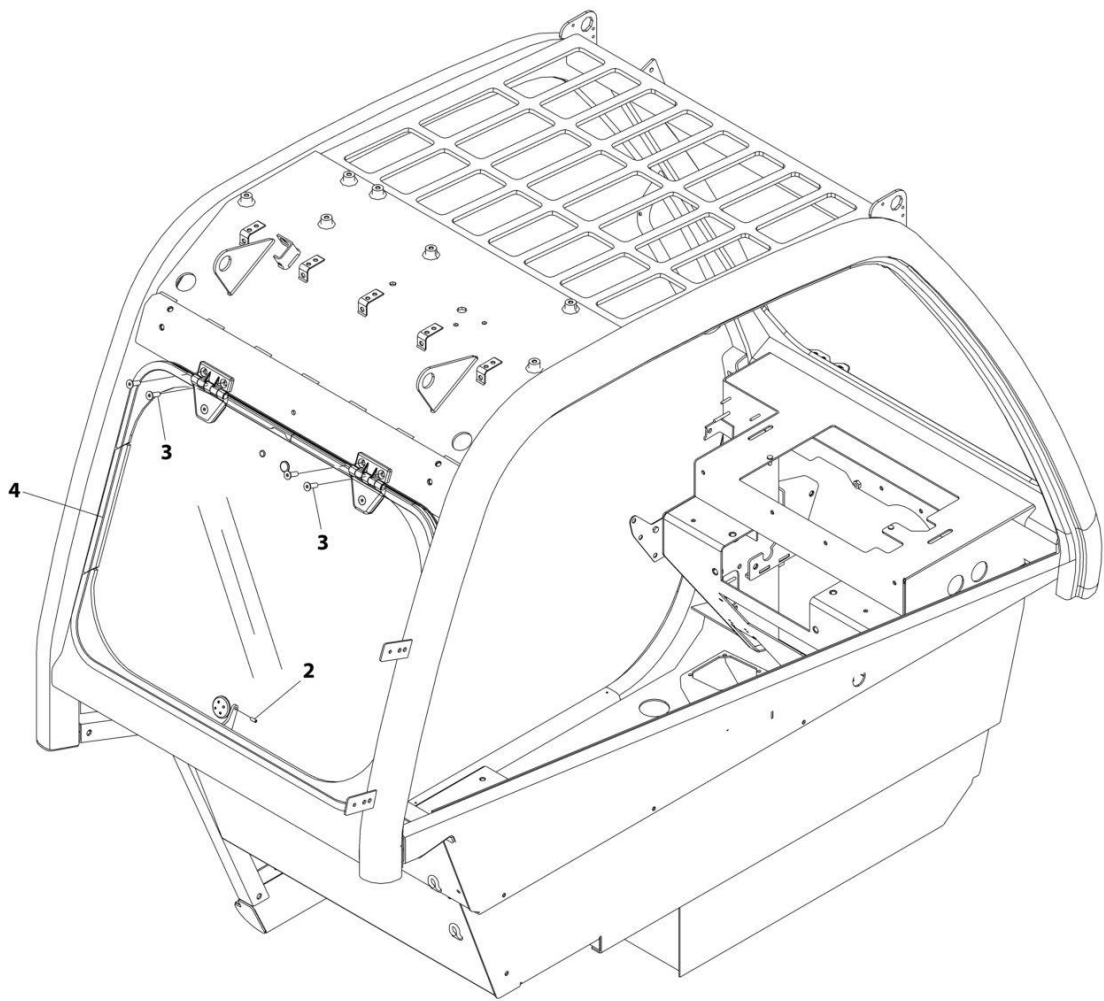
ART_1001258809

FIGURE 6-15. LSI EMCLOSED CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258809	Ref	LSI Enclosed Cab Installation	A
1	0760812	2	Bolt M8X25	
2	3290805	2	Nut M8	
3	4811900	4	Washer M8	
4	1001159742	1	Switch, LSI Override	
5	1001207594	1	LSI Display Installation (See Separate Breakdown in this Section)	
6	1001258644	1	LSI Axle Sensor Installation (See Separate Breakdown in DRIVETRAIN Section)	
7	1001258862	1	Plate	
8	1001259062	1	Harness, Boom Retract (See Separate Breakdown in ELECTRICAL Section)	
9	1001008559	AR	Strap, Cable	
10	1001183024	1	Sensor, Proximity	

SECTION 6 - CAB

FIGURE 6-16. REAR WINDOW INSTALLATION



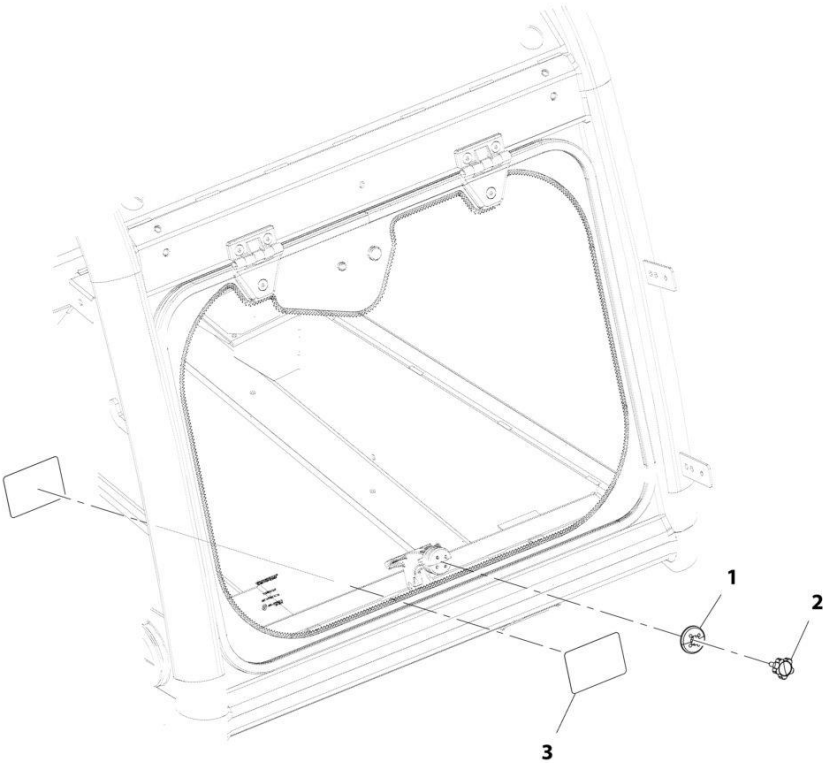
ART_1001170500-D

FIGURE 6-16. REAR WINDOW INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170500	Ref	Rear Window Installation	D
2	1001003043	1	Pin, Spring	
3	1001097586	4	Bolt, M8-1.25X25	
4	1001170502	1	Window, Rear (See Separate Breakdown in this Section)	

SECTION 6 - CAB

FIGURE 6-17. REAR WINDOW INSTALLATION (WO/WIPER) (ANSI)



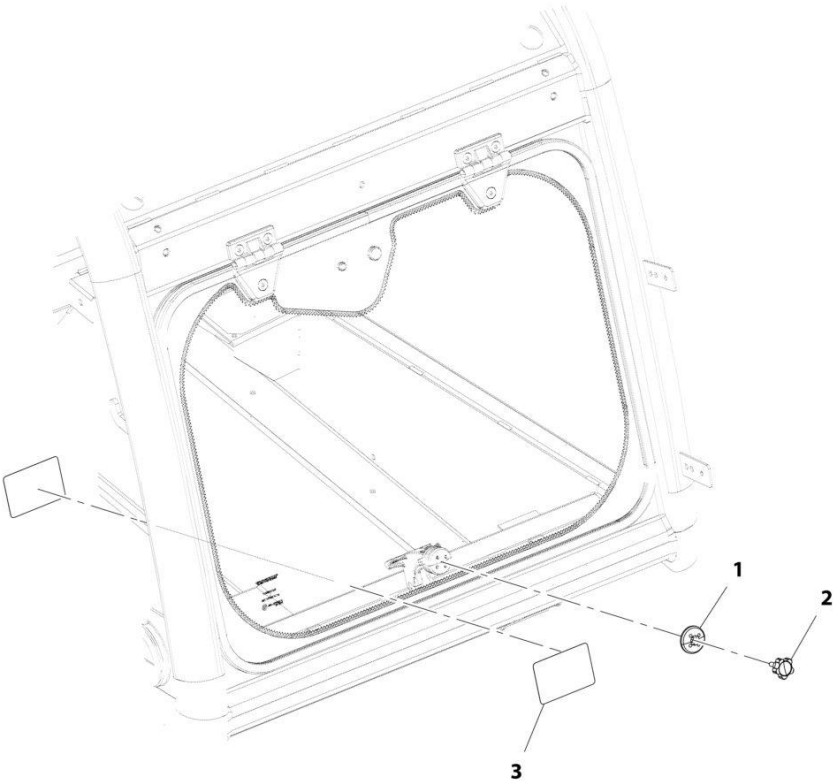
ART_1001212047-A

FIGURE 6-17. REAR WINDOW INSTALLATION (WO/WIPER) (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212047	Ref	External Window Release Installation (ANSI)	A
1	1001179008	1	Cap, Latch Window	
2	1001179009	1	Cap, Knob M6	
3	1001212049	2	Decal, Emergency Exit	

SECTION 6 - CAB

FIGURE 6-18. REAR WINDOW INSTALLATION (WO/WIPER) (ISO)



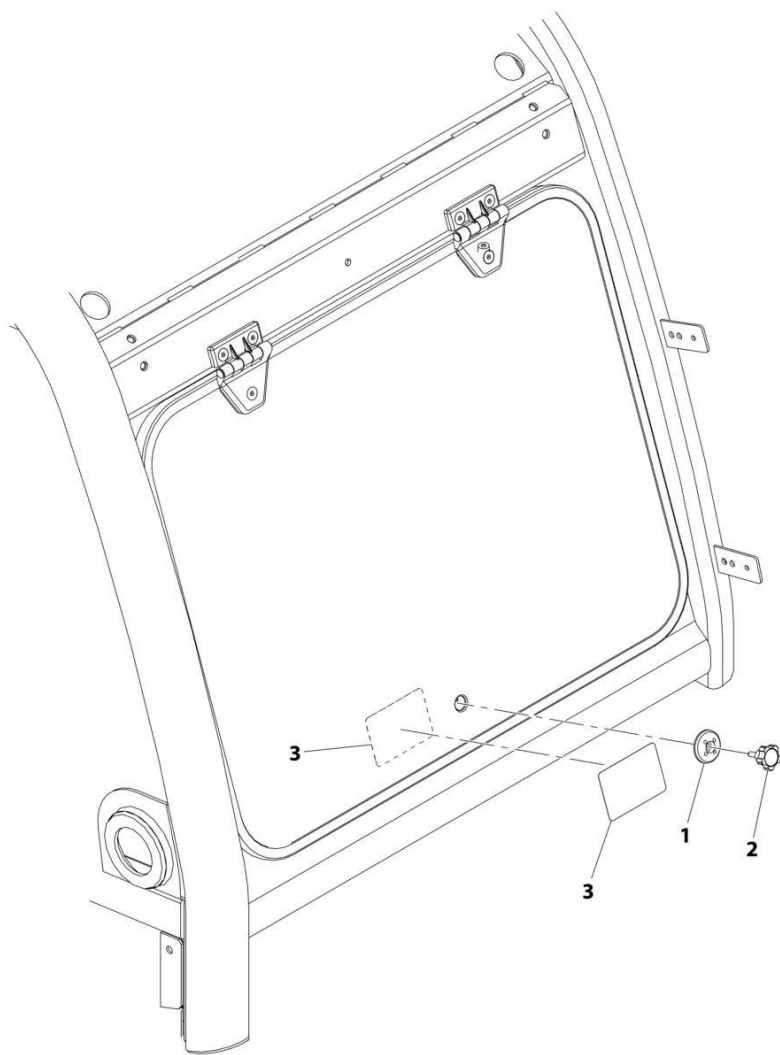
ART_1001212048-A

FIGURE 6-18. REAR WINDOW INSTALLATION (WO/WIPER) (ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212048	Ref	Rear Window Installation (WO/Wiper) (ISO)	A
1	1001179008	1	Cap, Latch Window	
2	1001179009	1	Cap, Knob M6	
3	1001212050	2	Decal, Emergency Exit	

SECTION 6 - CAB

FIGURE 6-19. REAR WINDOW INSTALLATION (WO/WIPER) (ENG/SPAN)



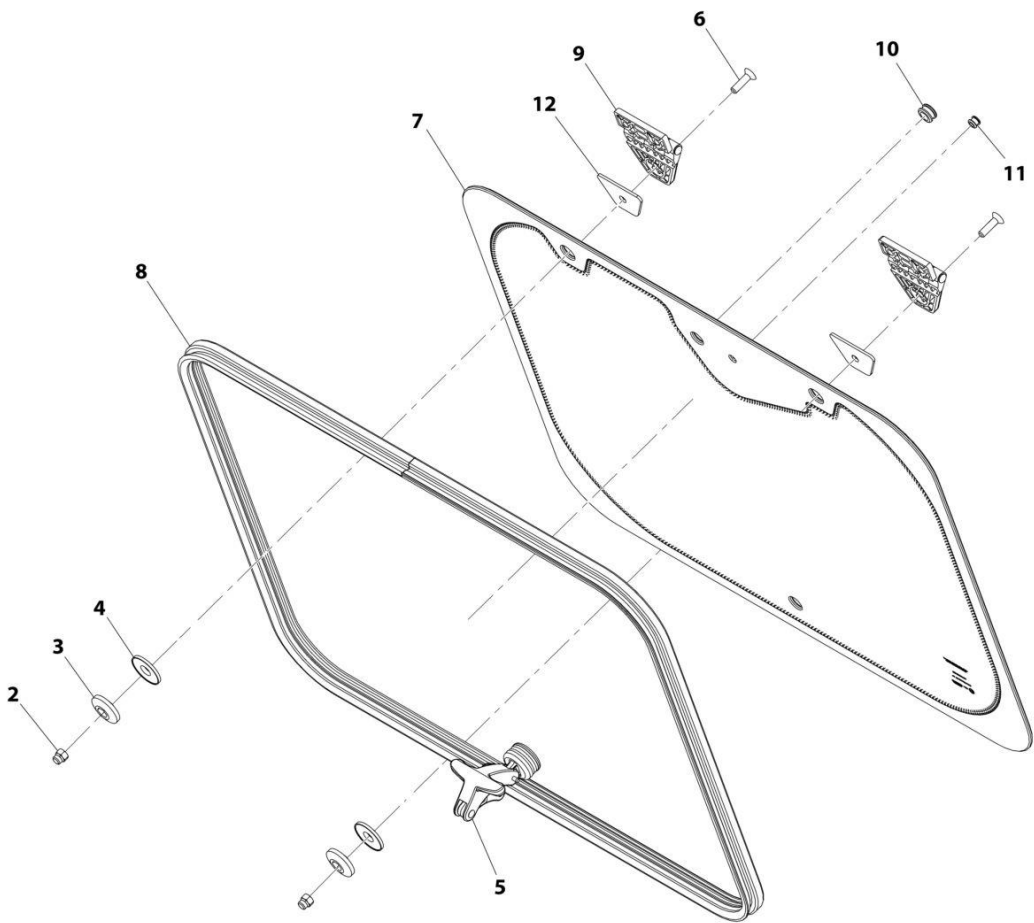
ART_1001237852-A

FIGURE 6-19. REAR WINDOW INSTALLATION (WO/WIPER) (ENG/SPAN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237852	Ref	Rear Window Installation (WO/Wiper) (ENG/SPAN)	A
1	1001179008	1	Cap, Latch Window	
2	1001179009	1	Cap, Knob M6	
3	1001237845	2	Decal, Emergency Exit	

SECTION 6 - CAB

FIGURE 6-20. REAR WINDOW ASSEMBLY



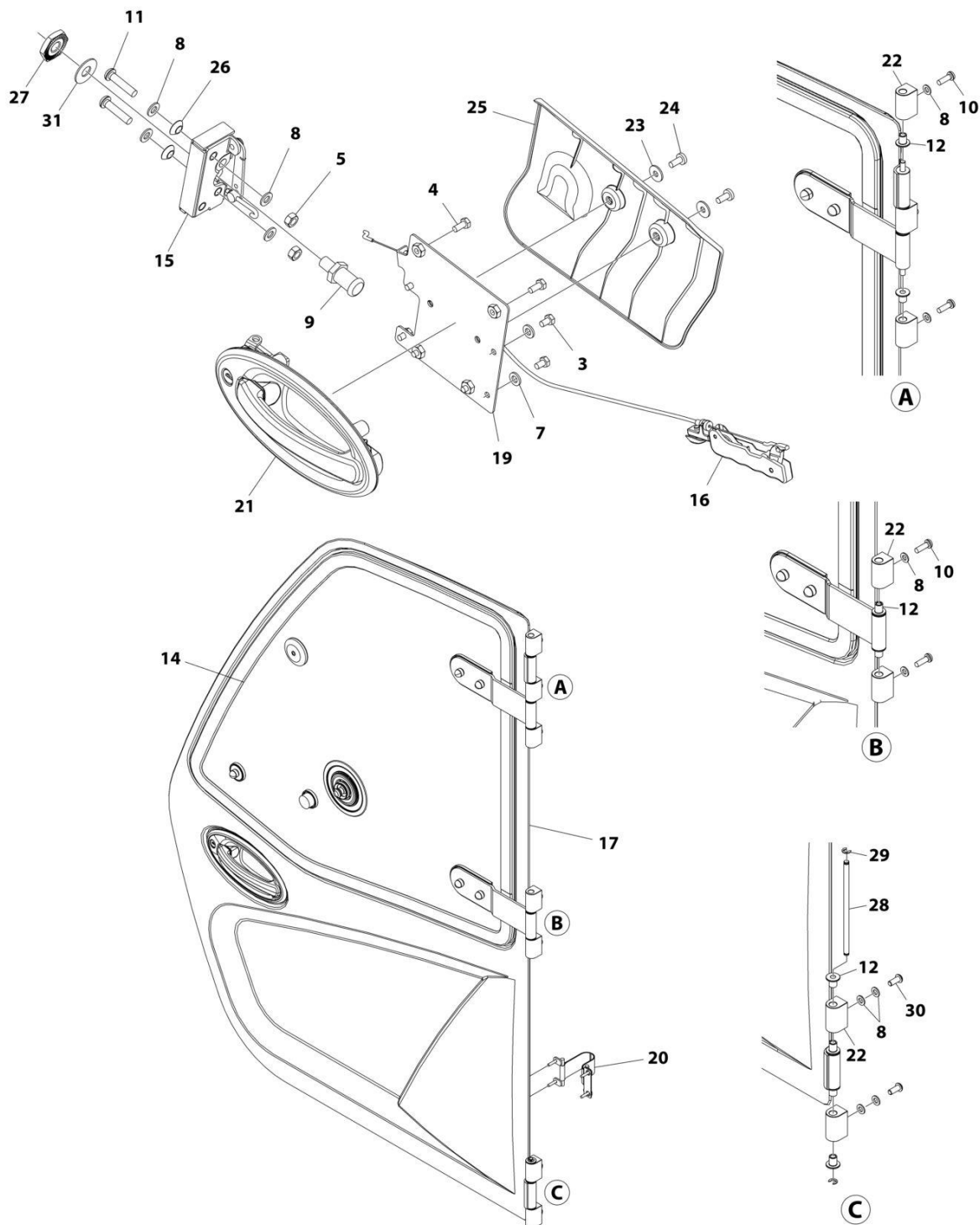
ART_1001170502-D

FIGURE 6-20. REAR WINDOW ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170502	Ref	Rear Window Assembly	D
2	3290806	2	Nut, M8X1.25 Grade 8	
3	8000759	2	Spacer	
4	8004398	2	Washer	
5	1001005368	1	Latch, Window	
6	2080078	2	Fastener, M8X30	
7	1001157481	1	Glass, Rear Window	
8	1001157487	1	Seal	
9	1001139568	2	Hinge	
10	1001171182	1	Grommet	
11	1001171183	1	Grommet	
12	1001181411	2	Gasket, Rear Window Hinge	

SECTION 6 - CAB

FIGURE 6-21. DOOR INSTALLATION



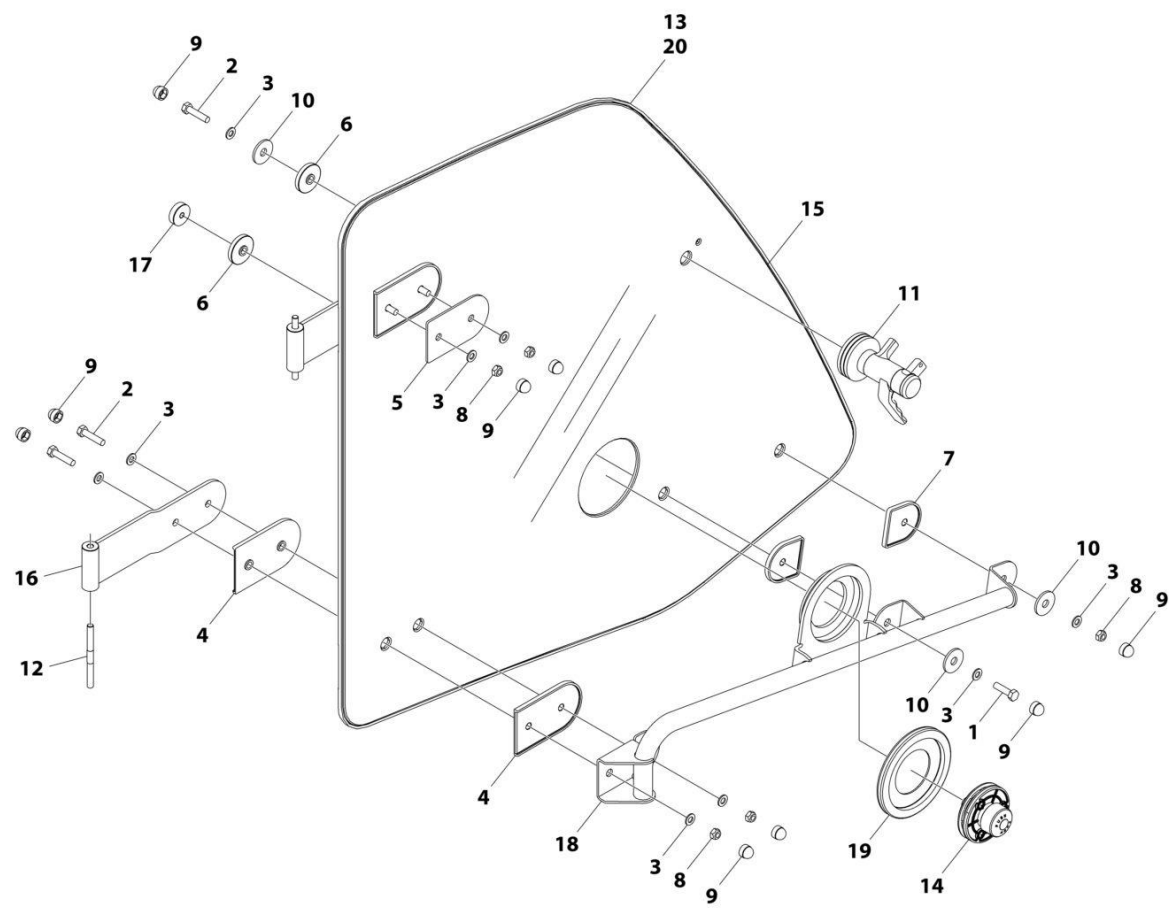
ART_1001165080

FIGURE 6-21. DOOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165080	Ref	Door Installation	P
3	0760605	4	Bolt, M6X10	
4	0760607	4	Bolt, M6X14	
5	3290801	2	Nut, M8X1.25 Grade 8	
7	4811700	4	Washer, M6	
8	4811900	13	Washer, M8	
9	8000803	1	Pin, Door Striker	
10	1001008988	5	Screw M8X25	
11	1001047062	2	Screw, M8X35	
12	1001107192	10	Sleeve, Hinge	
14	1001205532	1	Assembly, Door Upper Glass (See Separate Breakdown in this Section)	
15	1001192766	1	Assembly, Cab Latch (See Separate Breakdown in this Section)	
16	1001167958	1	Assembly, Cab Door Trigger (See Separate Breakdown in this Section)	
17	1001169881	1	Assembly, Door (See Separate Breakdown in this Section)	
19	1001173298	1	Bracket	
20	1001174295	1	Installation, Door Strap (See Separate Breakdown in this Section)	
21	1001192646	1	Handle, Exterior Door	
22	1001170601J	7	Lug, Hinge	
23	4811702001	2	Washer, M6	
24	4010608002	2	Screw, M6X16	
25	1001175477	1	Cover, Cab Door Interior	
26	1001184439	2	Bushing	
27	1001192309	1	Nut, M12X1	
28	1001213791	1	Pin, Hinge	
29	0498748	2	Clip, Snap Ring	
30	1001164726	2	Bolt, M8X20	
31	1001227802	1	Washer	

SECTION 6 - CAB

FIGURE 6-22. DOOR UPPER GLASS ASSEMBLY

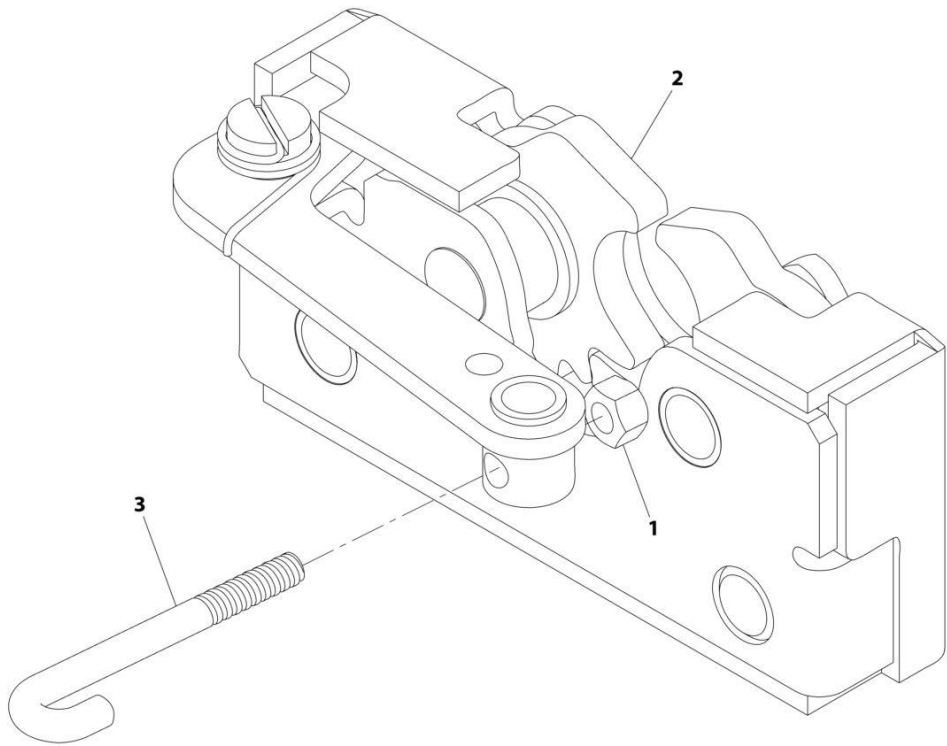


ART_1001205532

FIGURE 6-22. DOOR UPPER GLASS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205532	Ref	Door Upper Glass Assembly	G
1	0760812	1	Bolt, M8X25	
2	0760815	5	Bolt, M8X35	
3	4811900	11	Washer, 8MM	
4	1001002946	4	Mount, Hinge	
5	1001002947	1	Mount, Hinge	
6	1001002953	2	Mount, Rubber	
7	1001002957	2	Mount, Latch	
8	1001008857	5	Nut, Lock	
9	1001096365	11	Cap, M8	
10	1001141246	3	Mount, Rubber	
11	1001165275	1	Latch, Window	
12	1001166634	2	Pin, Hinge	
13	1001170944	1	Panel, Window Surround	
14	1001174321	1	Striker, Top Window	
15	1001204066	1	Glass, Window	
16	1001204115	2	Hinge	
17	1001222741	1	Buffer, Cab	
18	1001204120	1	Handle	
19	1001213331	1	Gasket	
20	1001215531	AR	Adhesive	

FIGURE 6-23. CAB LATCH ASSEMBLY



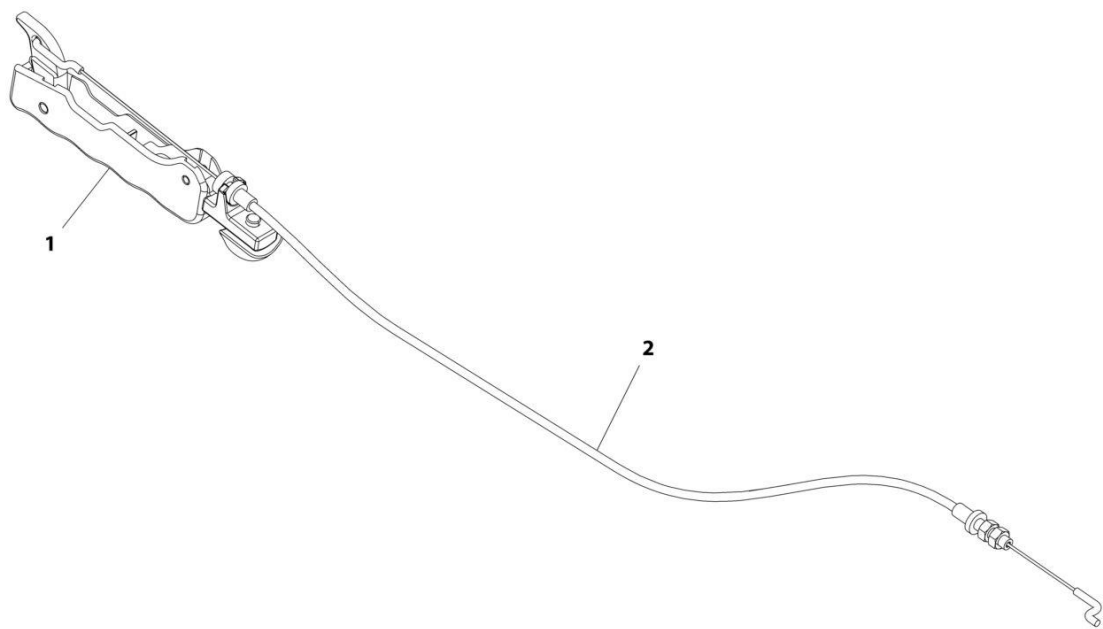
ART_1001192766_C

FIGURE 6-23. CAB LATCH ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192766	Ref	Cab Latch Assembly	C
1	3290405	1	Nut, M4X0.7 Grade 8	
2	1001192643	1	Latch	
3	1001241308	1	Link, Door Handle	

SECTION 6 - CAB

FIGURE 6-24. CAB DOOR TRIGGER ASSEMBLY

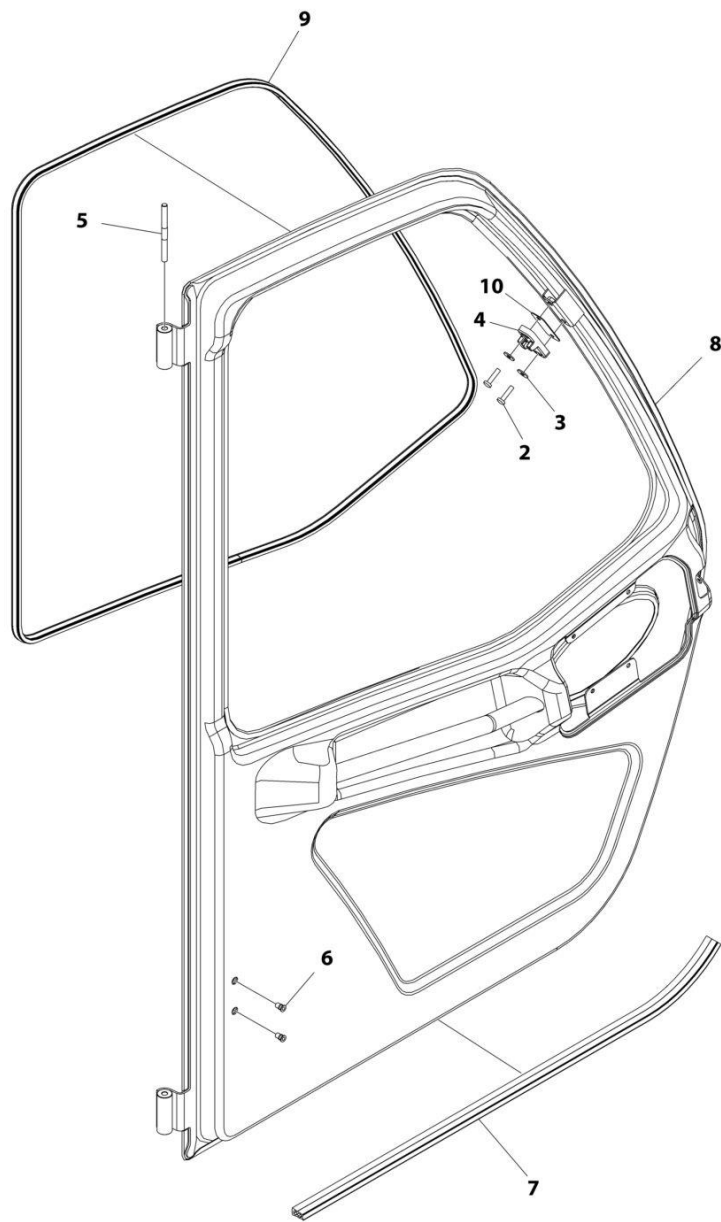


ART_1001167958-E

FIGURE 6-24. CAB DOOR TRIGGER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167958	Ref	Cab Door Trigger Assembly	E
1	1001167937	1	Trigger, Cab Interior Release	
2	1001192644	1	Cable, Cab Latch Release	

FIGURE 6-25. DOOR ASSEMBLY

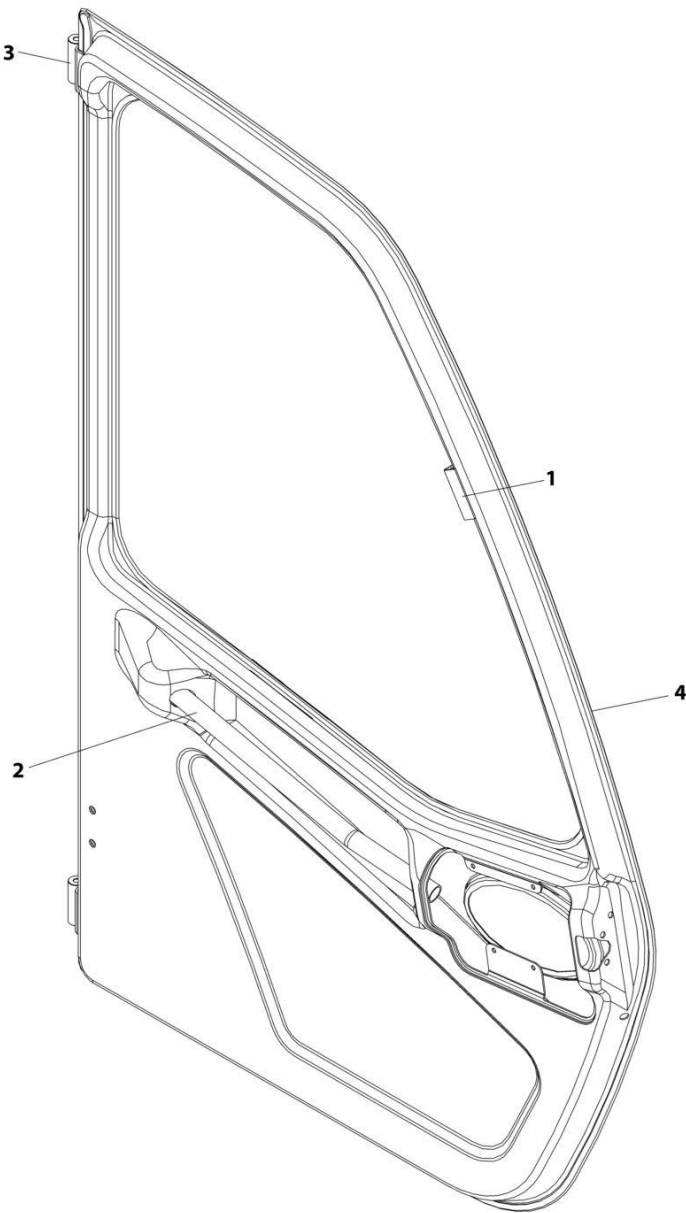


ART_1001169881_K

FIGURE 6-25. DOOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169881	Ref	Door Assembly	K
2	4010612002	2	Screw, Posi-Drive, M6X25	
3	4811702001	2	Washer, M6	
4	1001165276	1	Plate, Window Latch Striker	
5	1001166634	1	Pin, Hinge	
6	1001172193	2	Rivnut, M5X0.8	
7	1001227188	1	Seal, Cab Door	
8	1001165022J	1	Door, Cab (See Separate Breakdown in this Section)	
9	1001227187	1	Seal, Cab Door Window	
10	1001193210	AR	Shim, Window Latch	

FIGURE 6-26. CAB DOOR



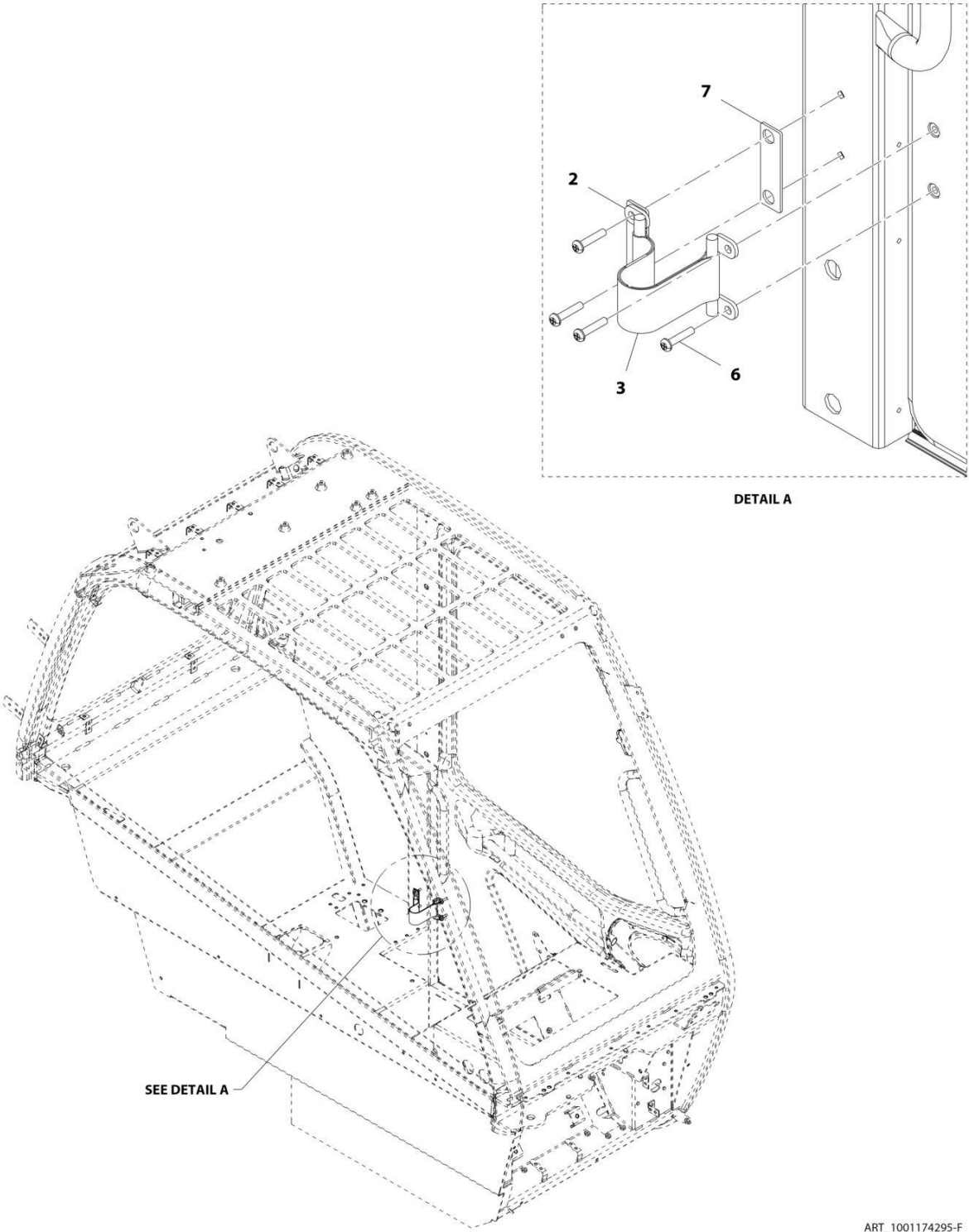
ART_1001165022-E

FIGURE 6-26. CAB DOOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165022	Ref	Cab Door	E
1	1001169883	1	Bracket, Window Latch	
2	1001169885	1	Handle, Interior Door	
3	1001171037	1	Plate, Hinge	
4	1001171634	1	Frame, Door	

SECTION 6 - CAB

FIGURE 6-27. DOOR STRAP INSTALLATION



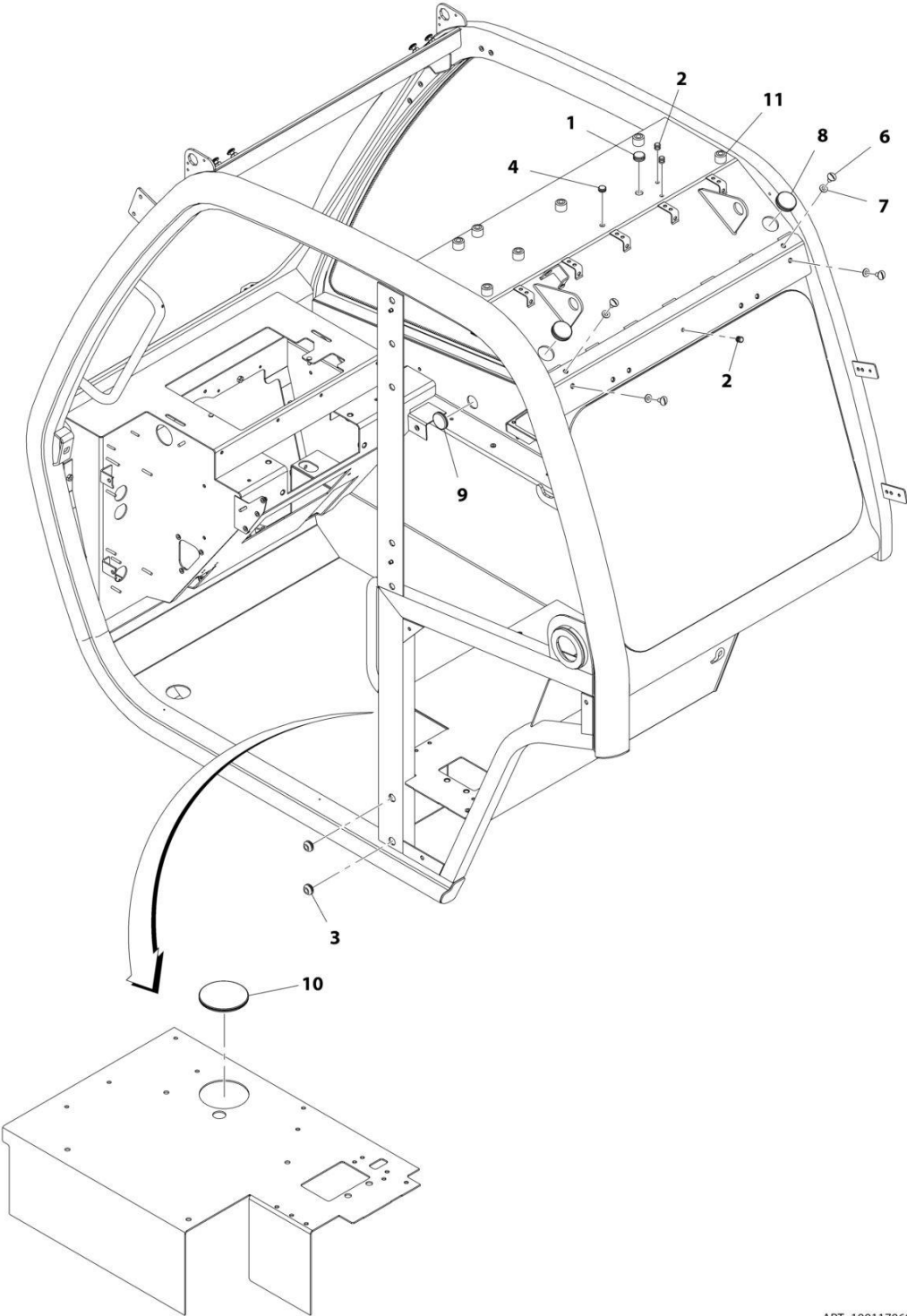
ART_1001174295-F

FIGURE 6-27. DOOR STRAP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174295	Ref	Door Strap Installation	F
2	1001230163	2	Bracket, Strap Holder	
3	1001212011	1	Strap, Door Hold Open	
6	8310559	4	Screw	
7	1001191091	1	Plate, Cab Door Strap	

SECTION 6 - CAB

FIGURE 6-28. ENCLOSED CAB PLUG GROUP



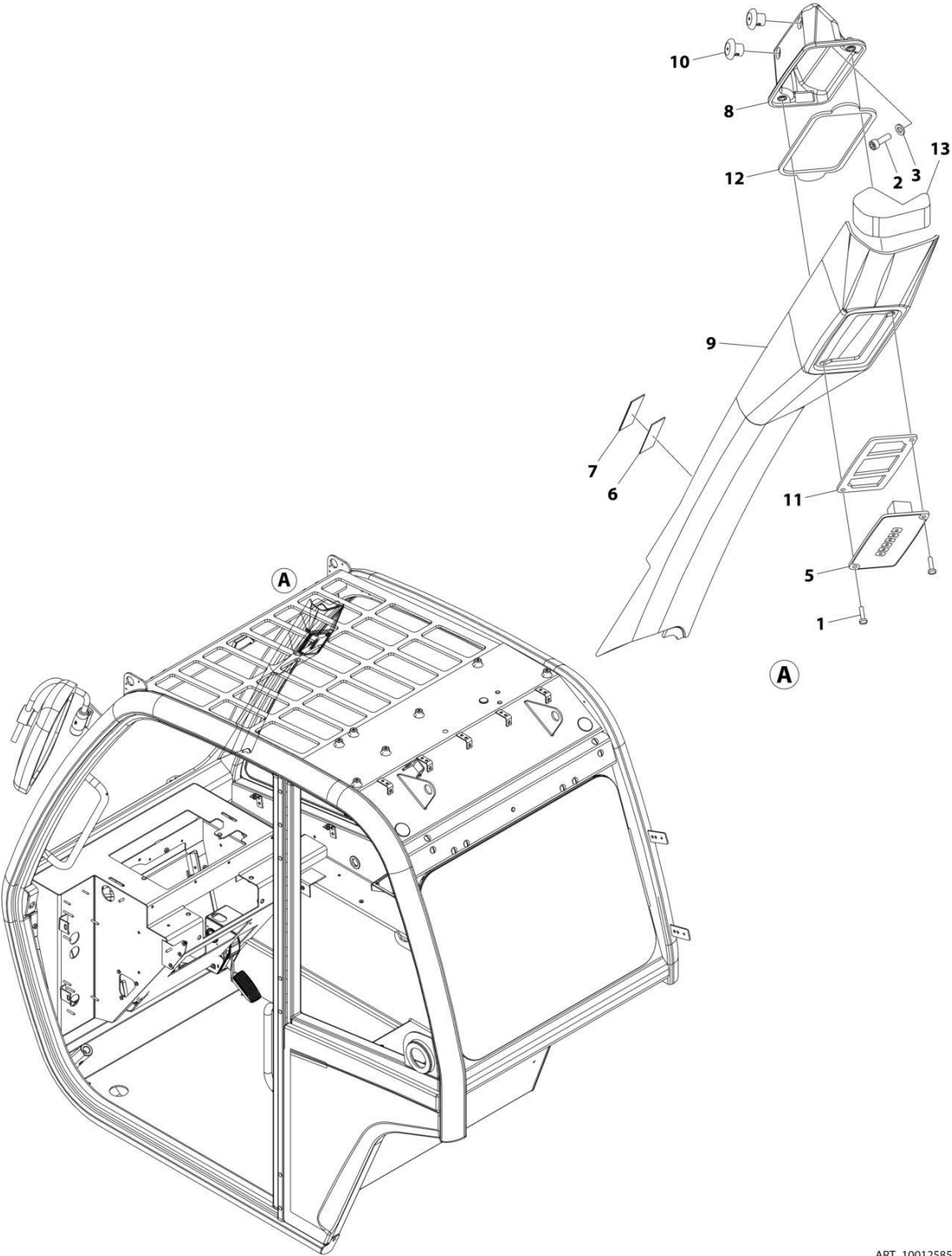
ART_1001170603-E

FIGURE 6-28. ENCLOSED CAB PLUG GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170603	Ref	Enclosed Cab Plug Group	E
1	1001176273	1	Plug	
2	1001176272	3	Plug	
3	1001143200	2	Plug	
4	1001176626	1	Plug	
6	1001181920	8	Screw, M8X16	
7	1001181921	8	Washer, Rubber M8	
8	1001182123	2	Plug	
9	1001182139	1	Plug	
10	1001209899	1	Plug	
11	1001219220	7	Cap, Vinyl Round	

SECTION 6 - CAB

FIGURE 6-29. LSI DISPLAY INSTALLATION (OPEN CAB)



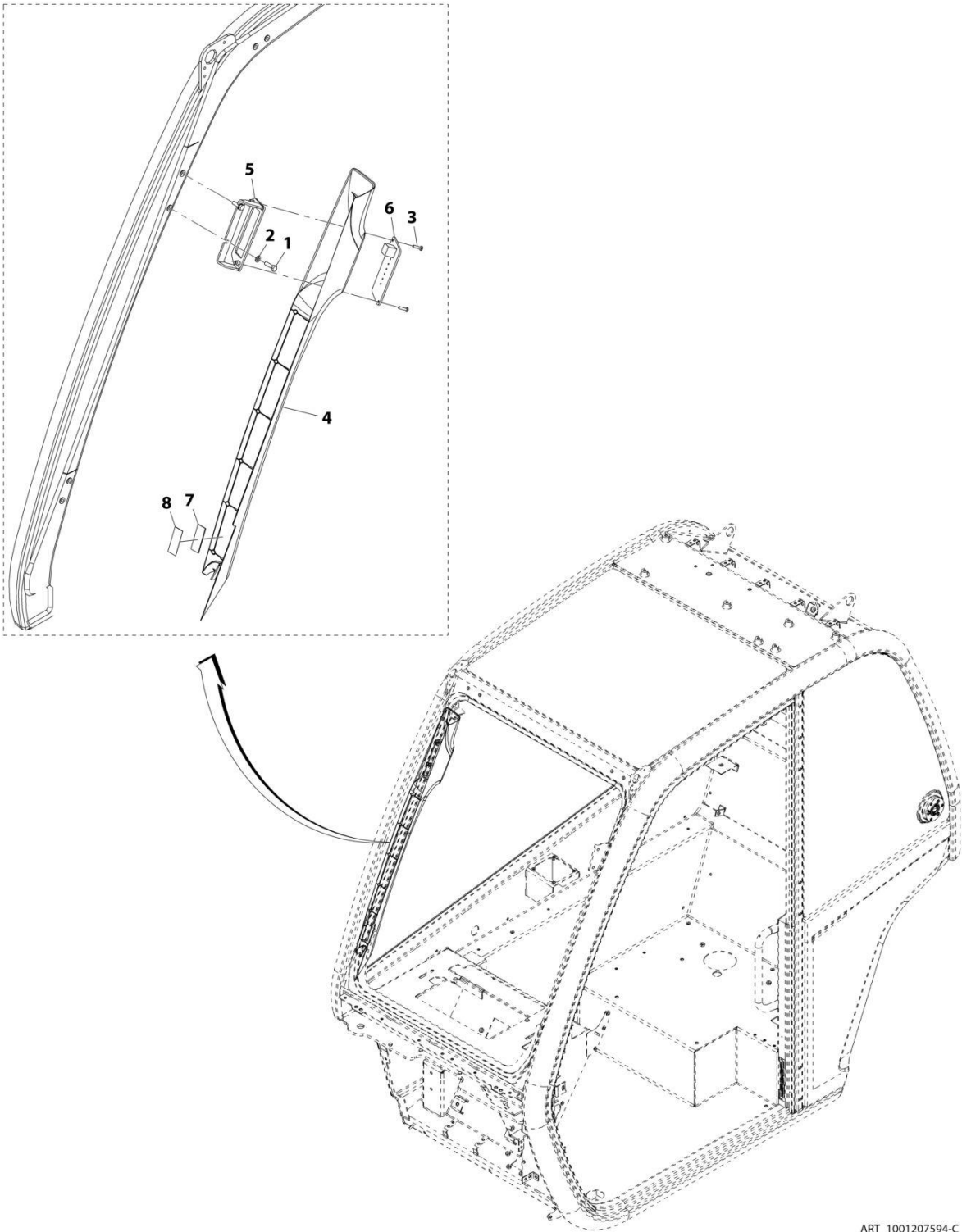
ART_1001258563_B

FIGURE 6-29. LSI DISPLAY INSTALLATION (OPEN CAB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258563	Ref	LSI DISPLAY INSTALLATION	B
1	1001126837	2	Screw M4 x 16	
2	4031708	2	Bolt M6 x 20	
3	4811700	2	Washer M6	
5	1001213752	1	LSI Display Electrical Assembly	
5	1001205976	1	Decal - LSI Display	
5	1001209028	1	Gauge	
6	1001221318	1	Tape, Hook Fastener	
7	1001221319	1	Tape, Loop Fastener	
8	1001257058	1	Box	
9	1001257059	1	Panel	
10	1001257067	2	Grommet	
11	1001257069	1	Seal	
12	1001257087	1	Seal	
13	1001264415	1	Seal	

SECTION 6 - CAB

FIGURE 6-30. LSI DISPLAY INSTALLATION (ENCLOSED CAB)



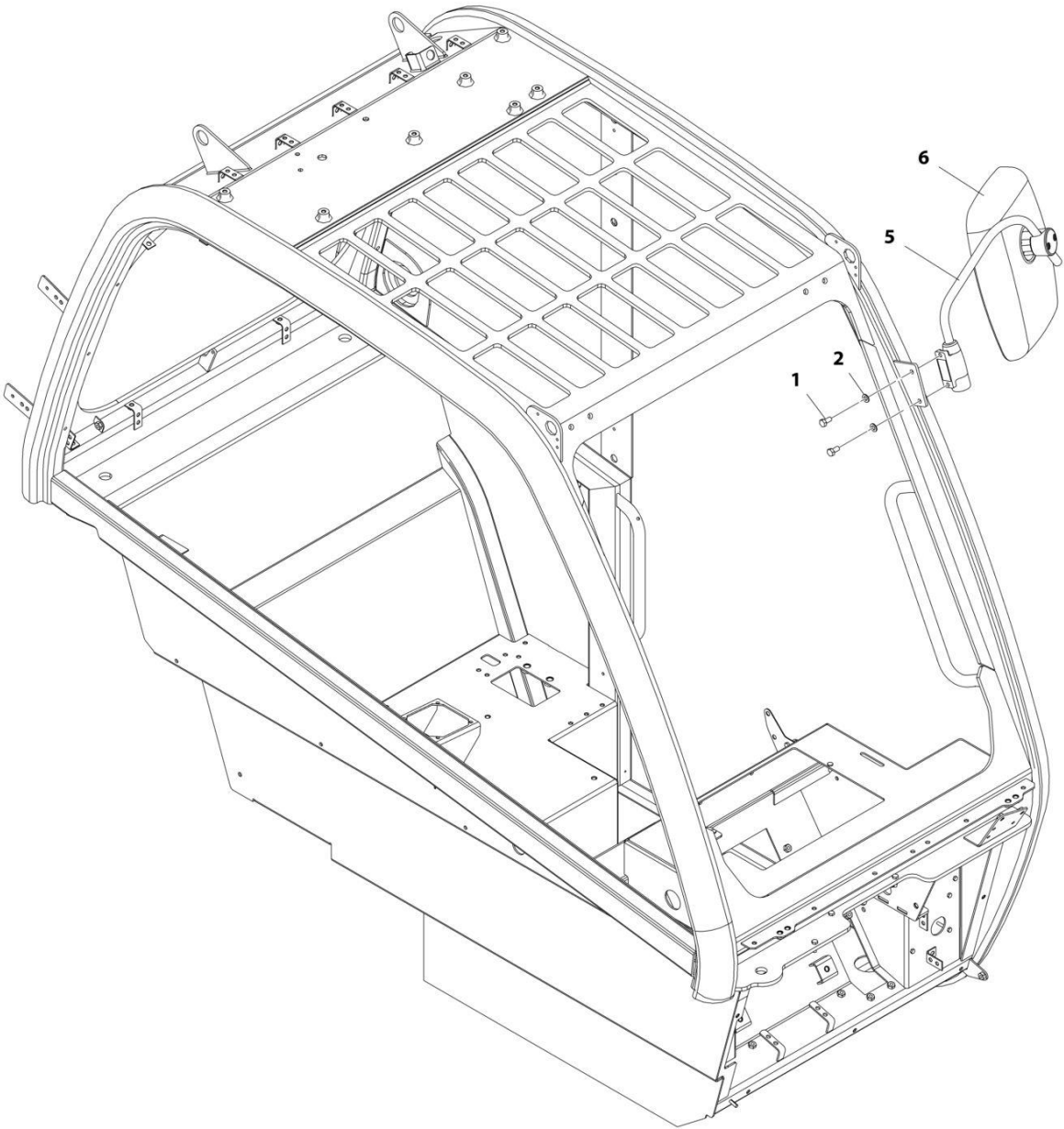
ART_1001207594-C

FIGURE 6-30. LSI DISPLAY INSTALLATION (ENCLOSED CAB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207594	Ref	LSI Display Installation	C
1	0760610	2	Bolt, M6X20	
2	4811700	2	Washer, M6	
3	1001126837	2	Screw, M4X16	
4	1001182839	1	Cover	
5	1001214401	1	Bracket	
6	1001213752	1	Display, LSI	
7	1001221318	1	Tape, Hook Fastener	
8	1001221319	1	Tape, Hook Fastener	

SECTION 6 - CAB

FIGURE 6-31. BASIC MIRROR INSTALLATION



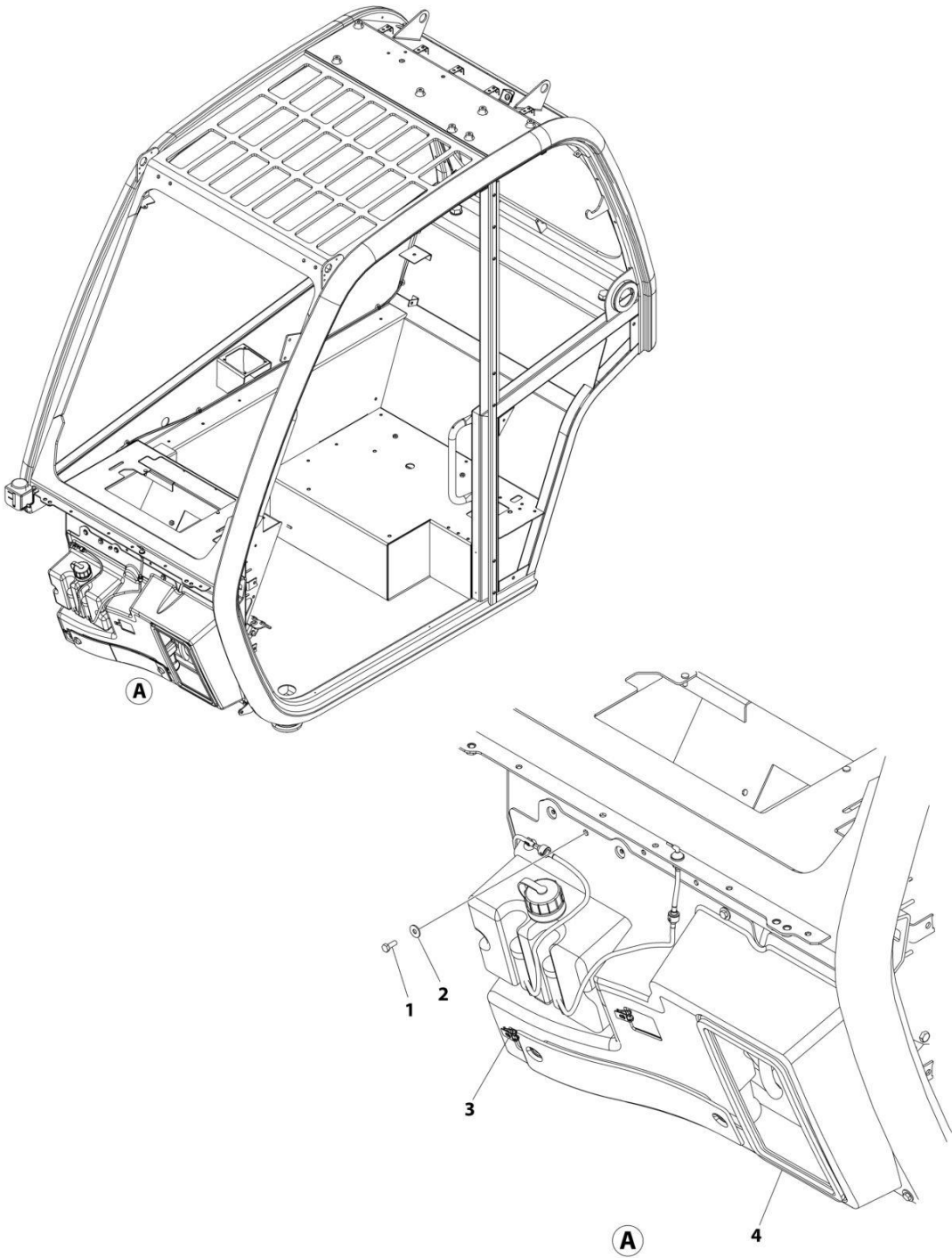
ART_1001160508-E

FIGURE 6-31. BASIC MIRROR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160508	Ref	Basic Mirror Installation	E
1	0760808	2	Bolt, M8X16	
2	4811900	2	Washer, M8	
5	1001164655	1	Bracket	
6	80363195	1	Mirror	

SECTION 6 - CAB

FIGURE 6-32. FRONT COVER INSTALLATION



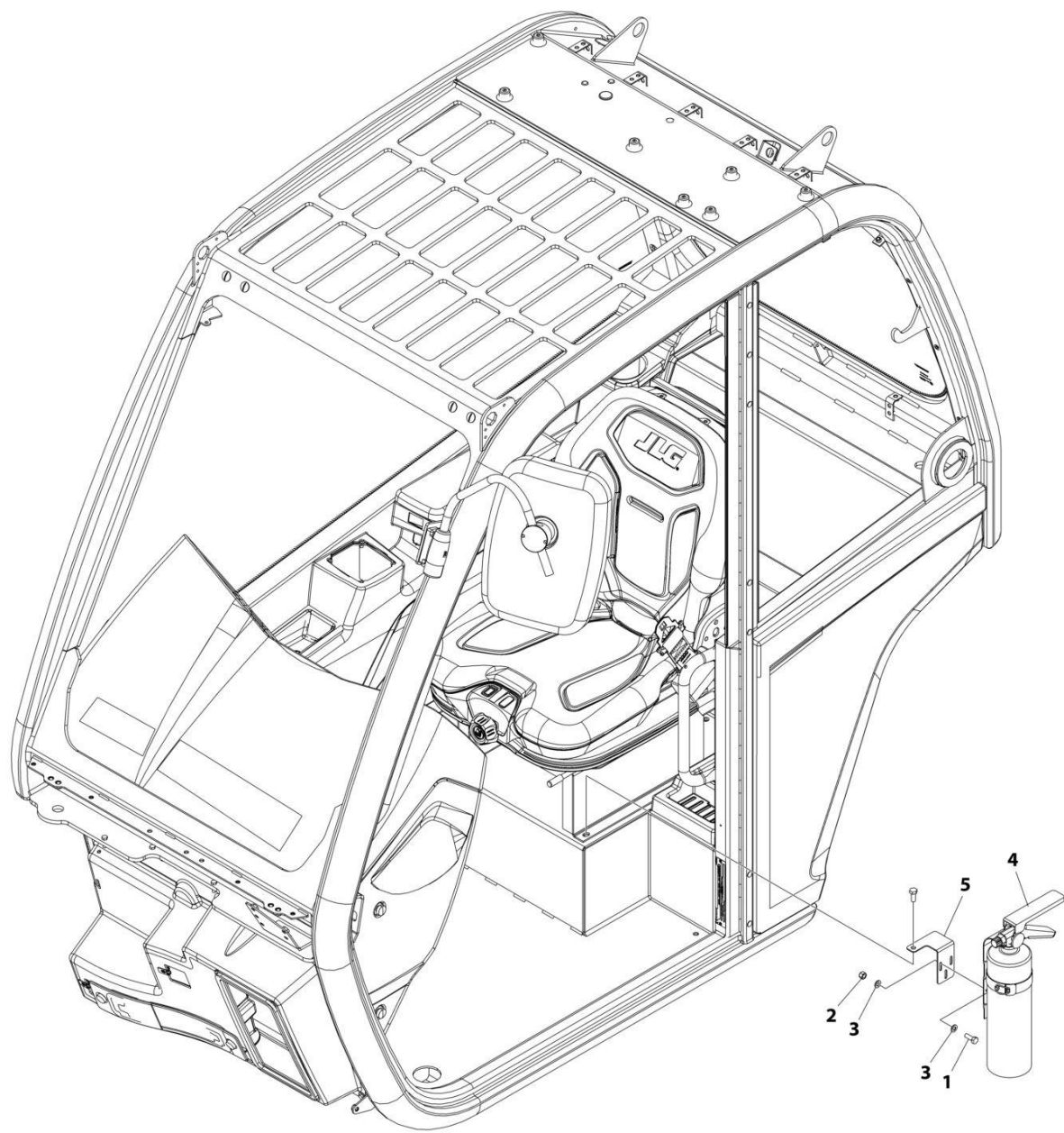
ART_1001293104

FIGURE 6-32. FRONT COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001293104	Ref	FRONT COVER INSTALLATION	A
1	0760608	7	Bolt M6 x 16	
2	4811702	7	Washer M6	
3	8305919	2	Nut M6	
4	1001176121	1	Cover, Front Duct (See Separate Breakdown in this Section)	

SECTION 6 - CAB

FIGURE 6-33. FIRE EXTINGUISHER INSTALLATION

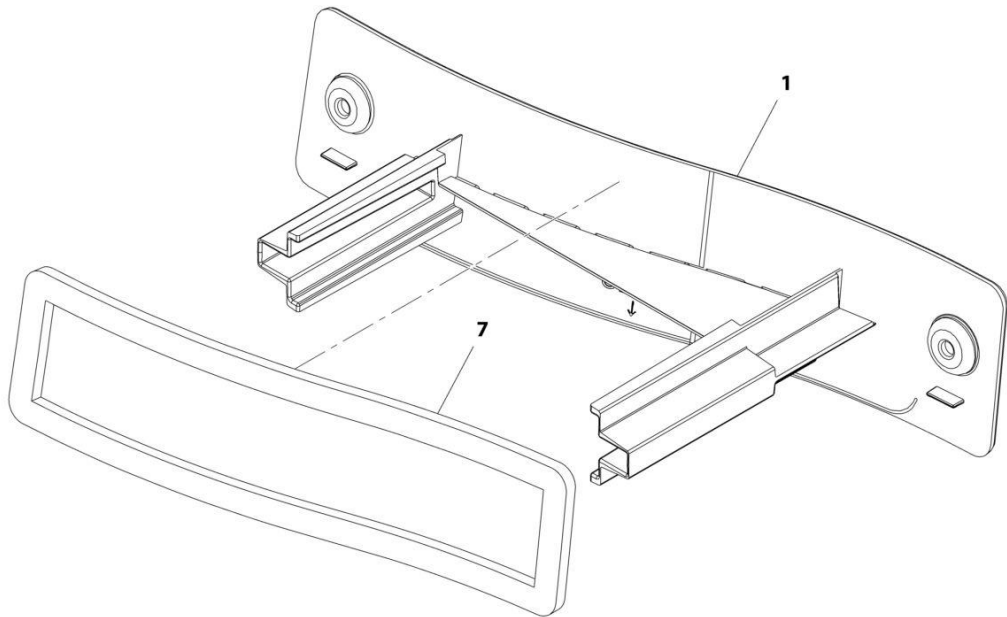


ART_1001258099

FIGURE 6-33. FIRE EXTINGUISHER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258099	Ref	FIRE EXTINGUISHER INSTALLATION	A
1	0760507	3	Bolt M5X14	
2	3290505	3	Nut M5	
3	4811600	6	Washer M5	
4	1001099699	1	Fire Extinguisher Assy	
5	1001241337	1	Bracket	

FIGURE 6-34. FILTER TRAY PANEL

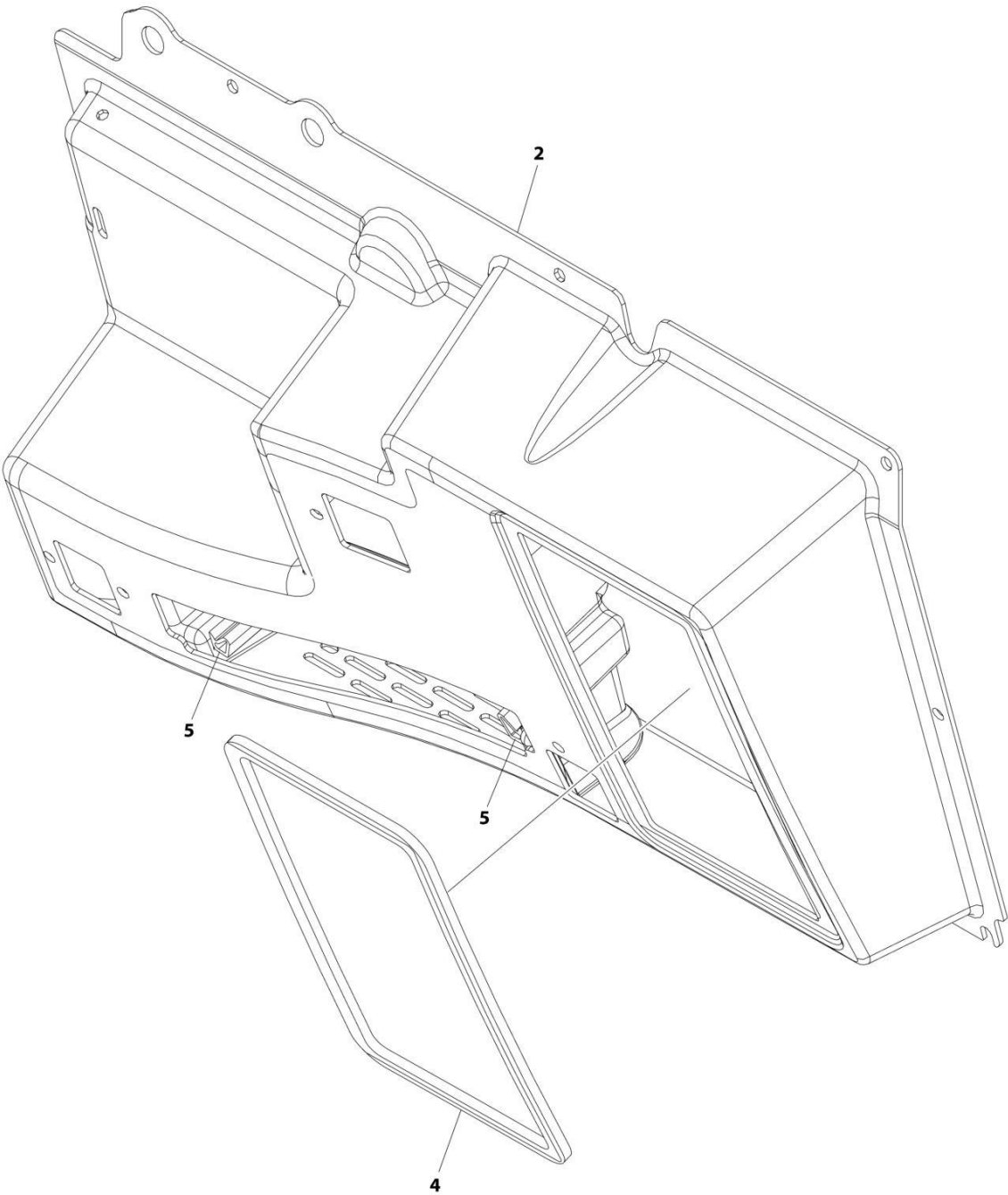


ART_1001175471-D

FIGURE 6-34. FILTER TRAY PANEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175471	Ref	Filter Tray Panel	D
1	1001170993	1	Panel, Front Inlet	
7	1001171767	1	Cab, Front Panel Seal	

FIGURE 6-35. FRONT DUCT COVER



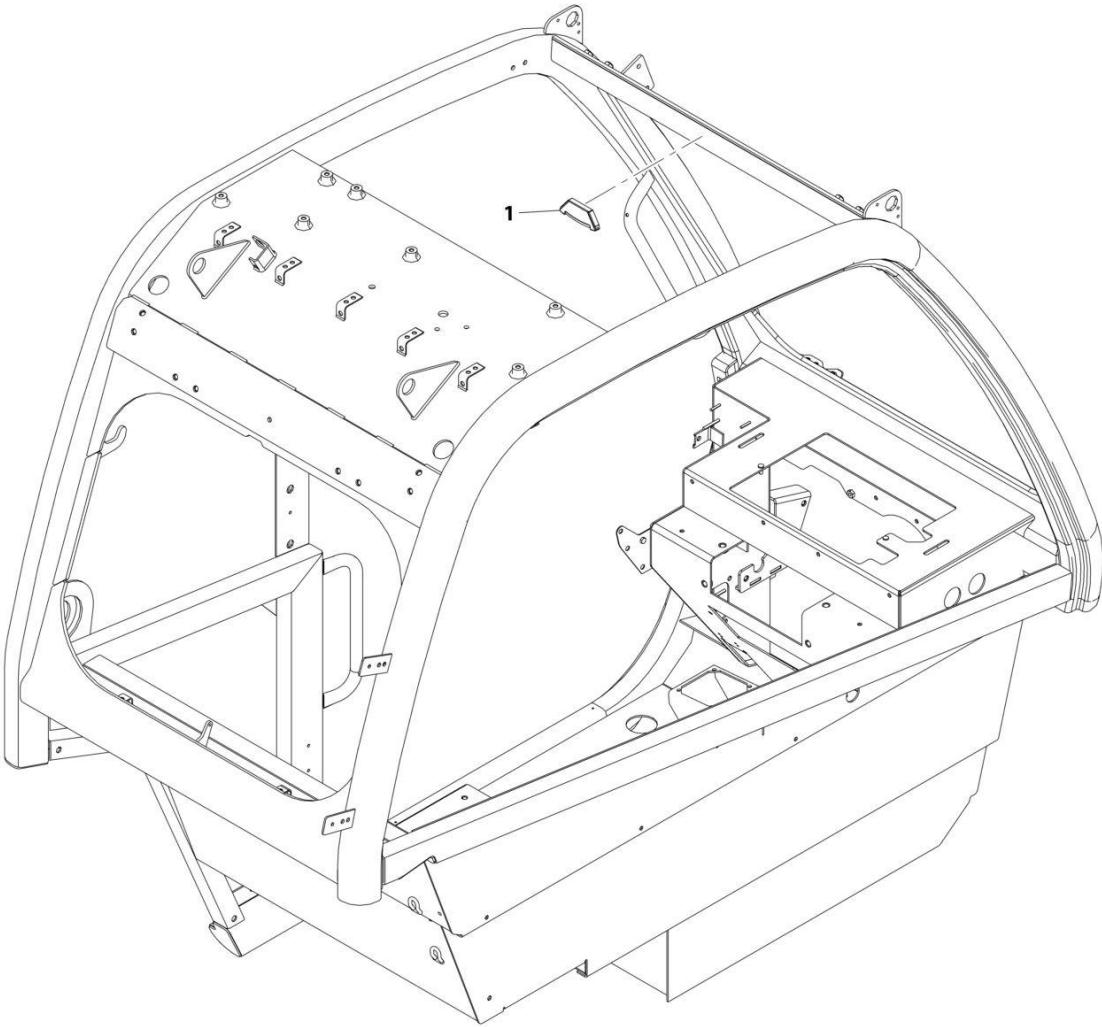
ART_1001176121

FIGURE 6-35. FRONT DUCT COVER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176121	Ref	FRONT DUCT COVER	H
2	1001170326	1	Cover, Front	
4	1001175470	1	Seal, Front Cab Panel	
5	1001270117	AR	Seal, Bulb	

SECTION 6 - CAB

FIGURE 6-36. LEVEL INDICATOR INSTALLATION



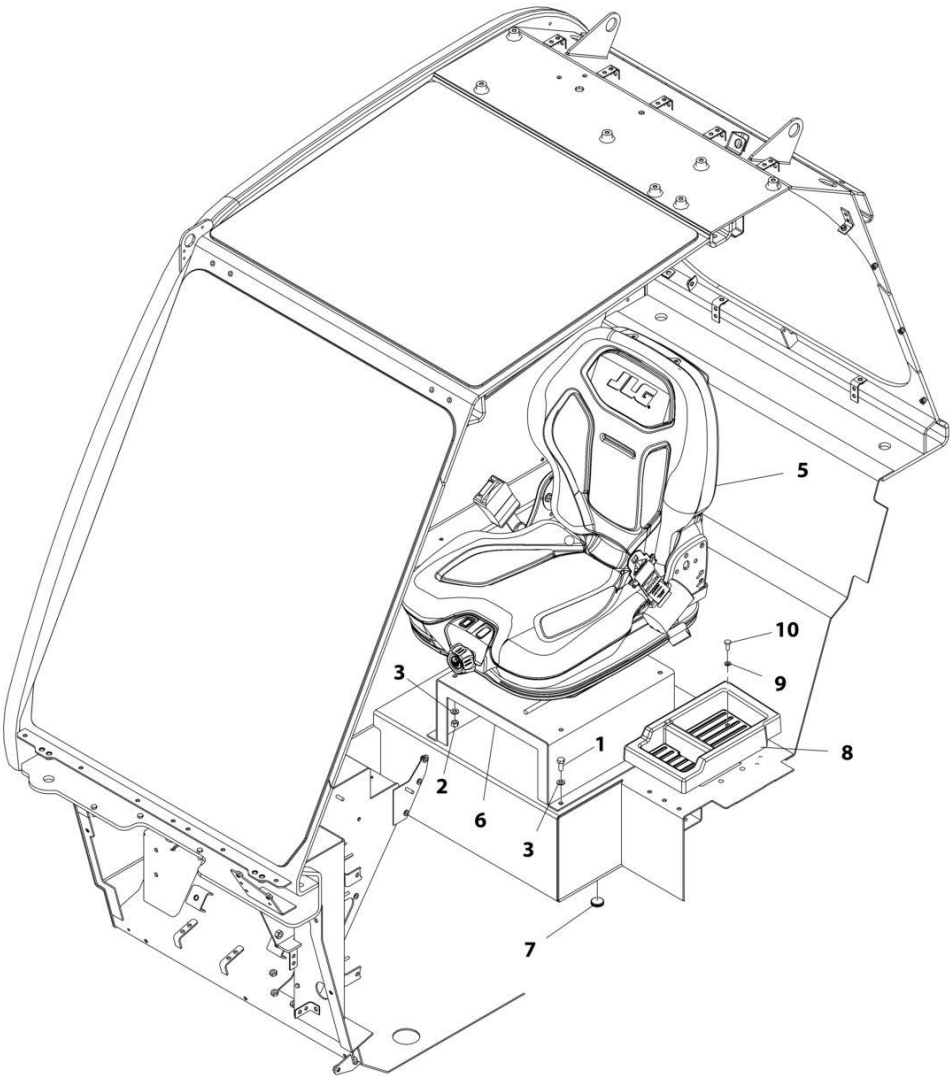
ART_1001172401-C

FIGURE 6-36. LEVEL INDICATOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001172401 8466306	Ref 1	Level Indicator Installation Gauge, Tilt Angle	C

SECTION 6 - CAB

FIGURE 6-37. SEAT INSTALLATION - CLOTH (ORANGE SEAT BELT)



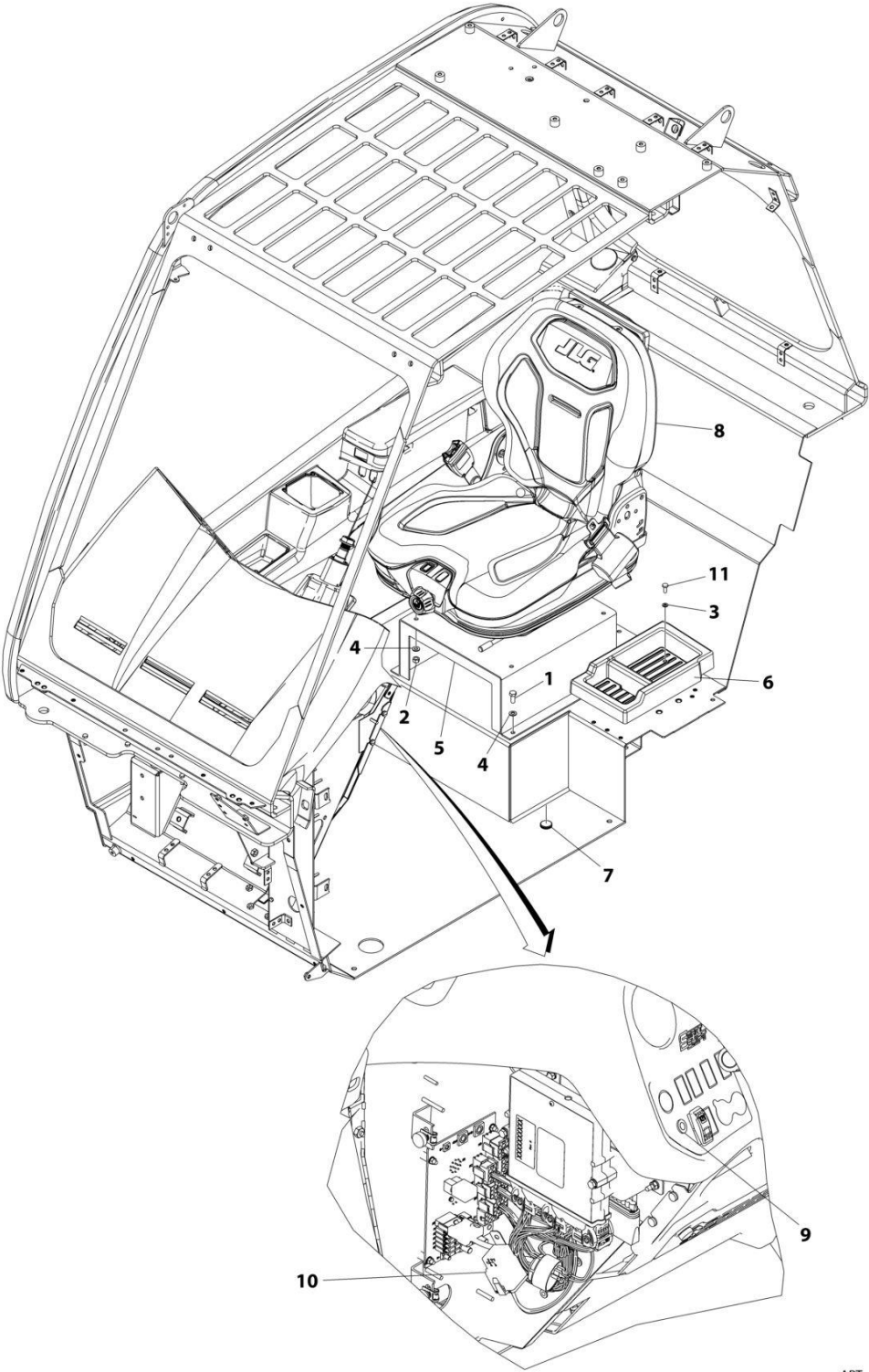
ART_1001164615-G

FIGURE 6-37. SEAT INSTALLATION - CLOTH (ORANGE SEAT BELT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164615	Ref	Seat Installation	I
1	0760810	4	Bolt, M8X20	
2	3311505	4	Nut, Lock 5/16-18	
3	4811900	8	Washer, M8	
5	1001275929	1	Seat (See Separate Breakdown in this Section)	
6	1001164498	1	Plinth, Seat	
7	1001196076	1	Plug	
8	1001170515	1	Insert, Storage Tray	
9	4811700	1	Washer, M6	
10	4010608002	1	Screw, Posi-Drive, M6X16	

SECTION 6 - CAB

FIGURE 6-38. SEAT INSTALLATION - VINYL



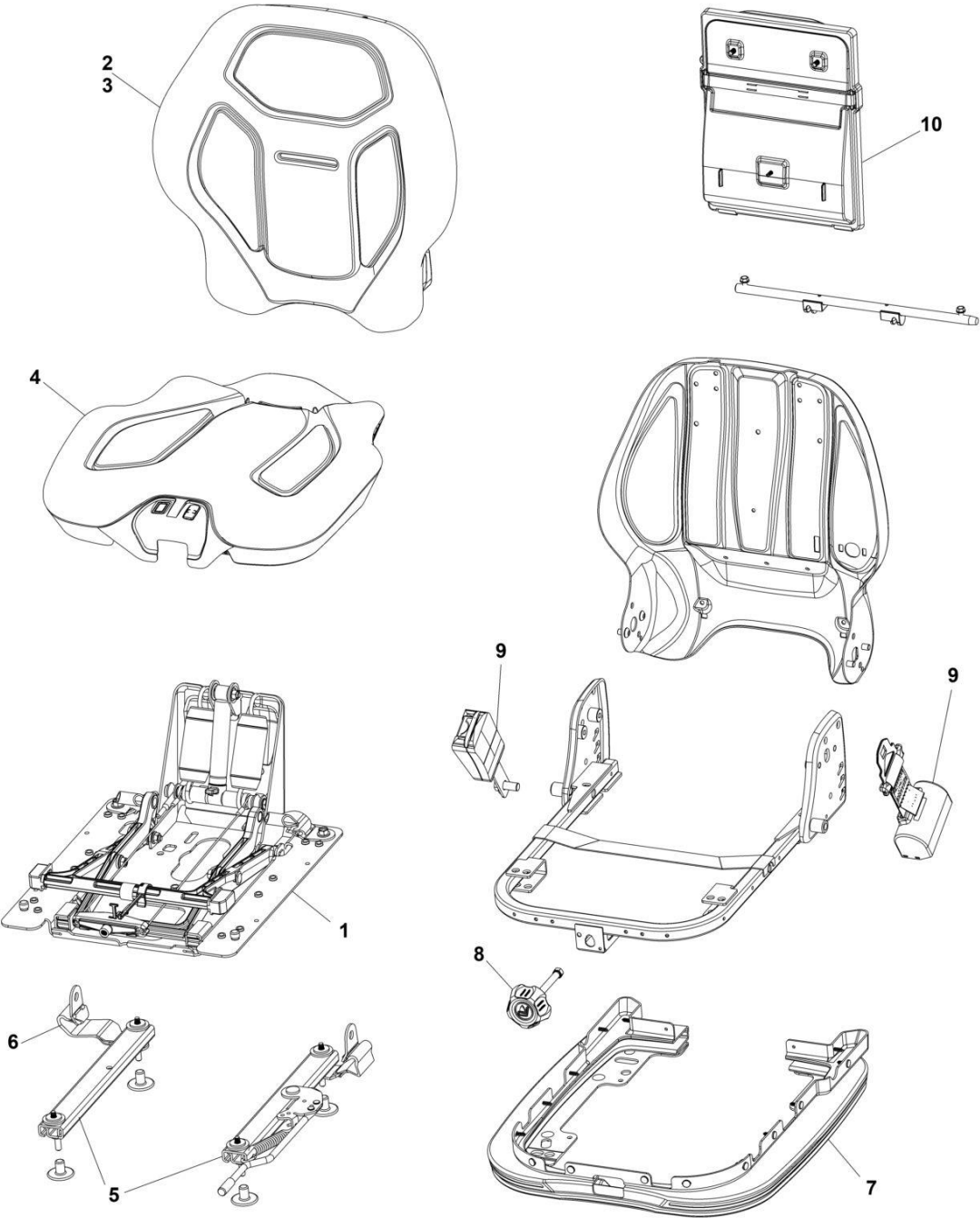
ART_1001268804_B

FIGURE 6-38. SEAT INSTALLATION - VINYL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268804	Ref	SEAT INSTALLATION - VINYL	B
1	0760810	1	Bolt M8 x 20	
2	3311505	1	Nut 5/16	
3	4811700	1	Washer M6	
4	4811900	1	Washer M8	
5	1001164498	1	Plinth, Seat	
6	1001170515	1	Insert, Storage Tray	
7	1001196076	1	Plug	
8	1001275931	1	Seat Assembly (See Separate Breakdown in this Section)	
9	1001266488	1	Light, Indicator - Red	
10	1001268744	1	Harness, Seat Belt Alarm (See Separate Breakdown in ELECTRICAL Section)	
11	4010608002	1	Screw M6 x 16	

SECTION 6 - CAB

FIGURE 6-39. SEAT ASSEMBLY - CLOTH (ORANGE SEAT BELT)



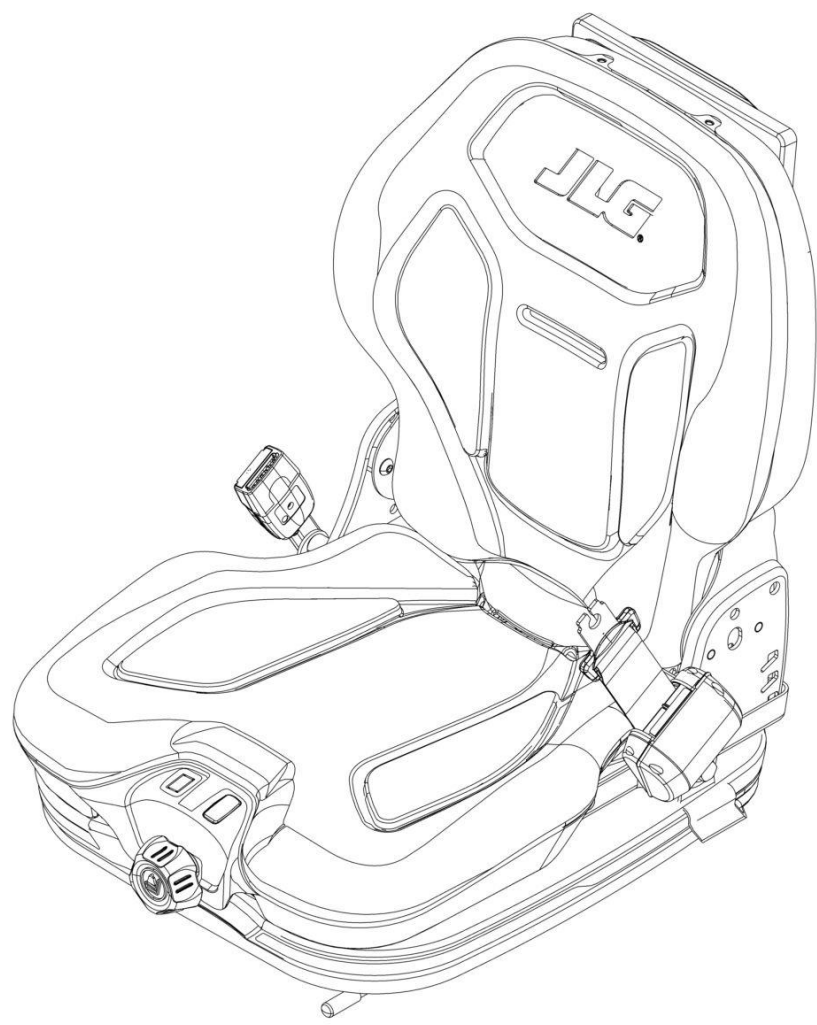
ART_1001275929

FIGURE 6-39. SEAT ASSEMBLY - CLOTH (ORANGE SEAT BELT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275929	Ref	Seat Assembly	A
1	70027024	1	Suspension Kit	
2	70027026	1	Back Cushion Kit (JLG)	
3	70027027	1	Back Cushion Kit (CAT)	
4	70027028	1	Seat Cushion Kit	
5	7026798	1	Adjuster Kit	
6	70027032	1	Tether strap	
7	70027030	1	Boot Kit	
8	70027033	1	Weight Adjust Knob Kit	
9	1001275933	1	Seat Belt	
10	70027035	1	Document box Kit	

SECTION 6 - CAB

FIGURE 6-40. SEAT ASSEMBLY - VINYL



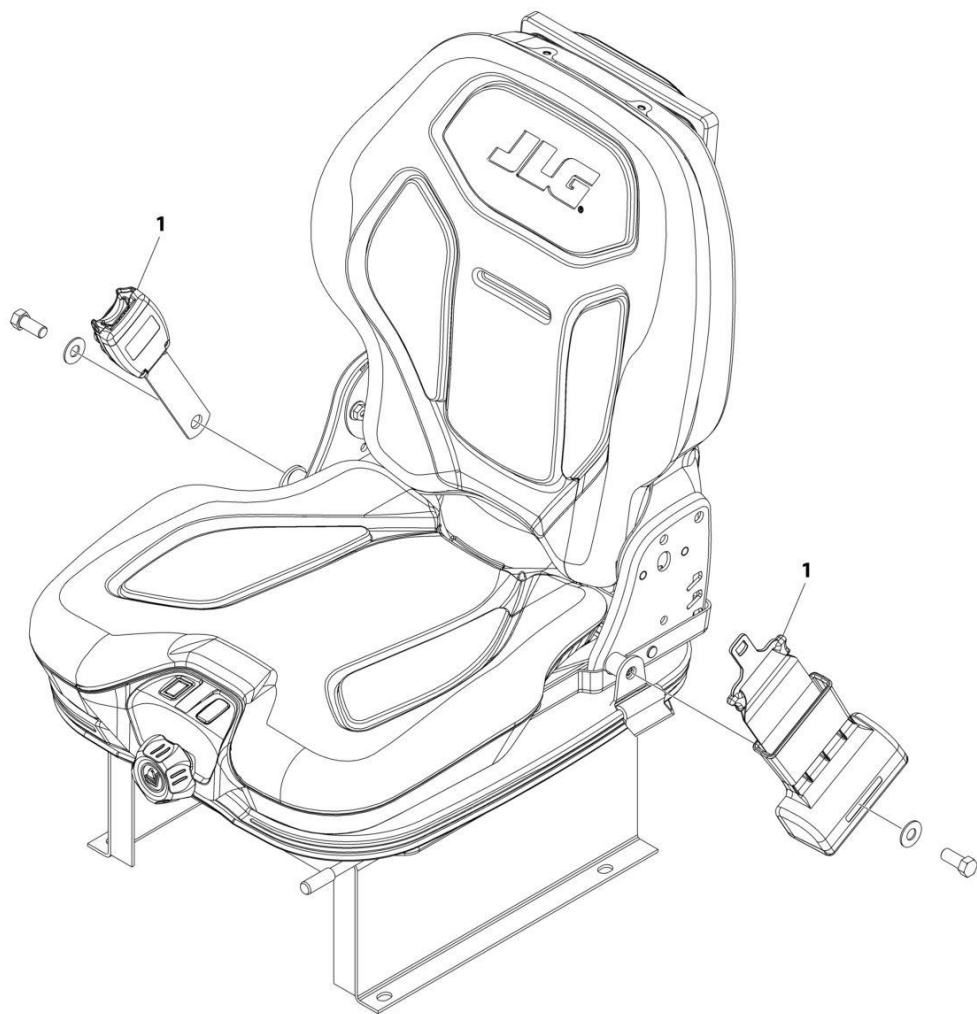
ART_1001275931

FIGURE 6-40. SEAT ASSEMBLY - VINYL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275931	Ref Ref	SEAT ASSEMBLY - VINYL Note: No Service Parts Available at Time of Printing	A

SECTION 6 - CAB

FIGURE 6-41. SEAT BELT INSTALLATION (3 INCH)



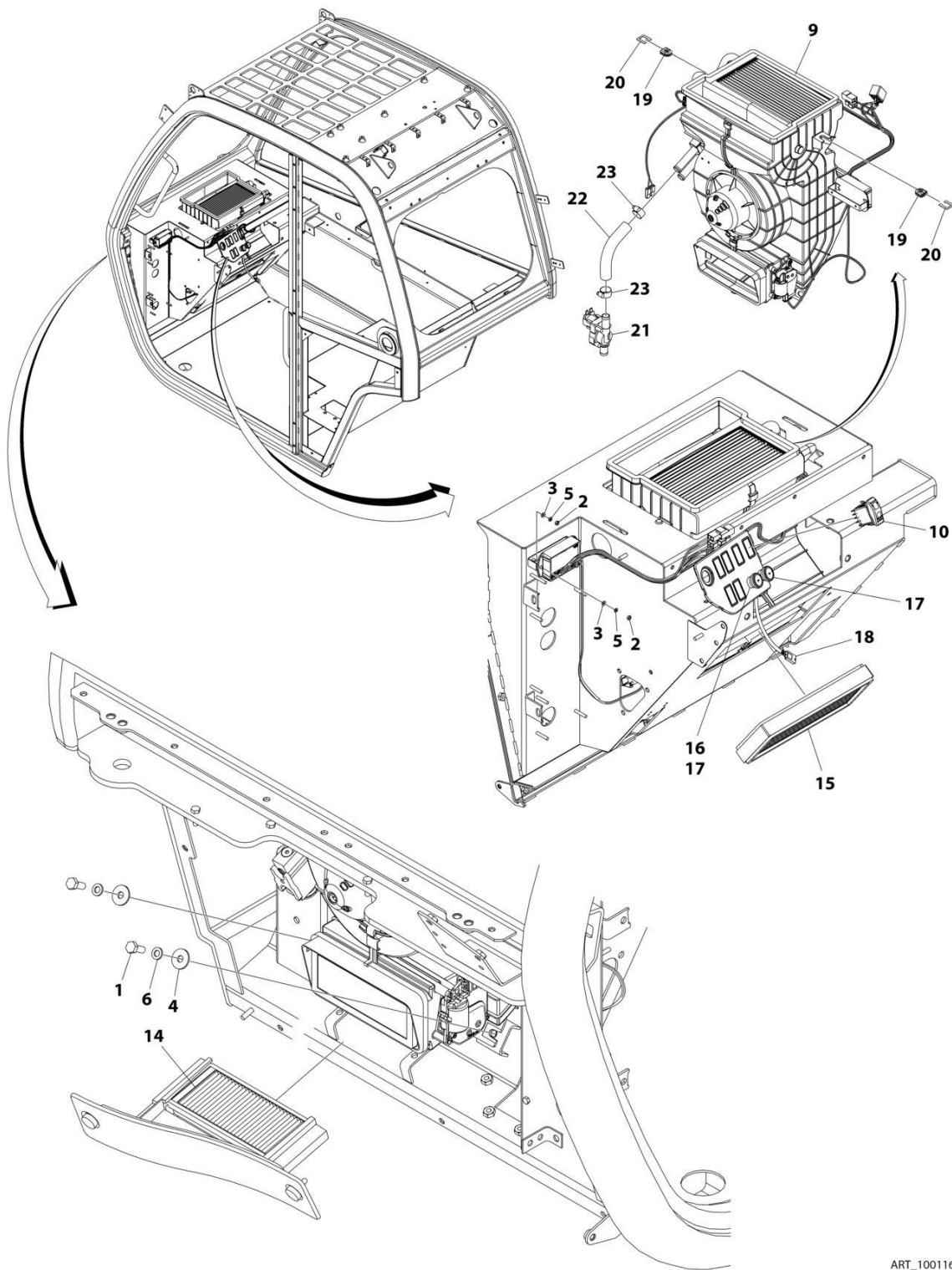
ART_1001258245

FIGURE 6-41. SEAT BELT INSTALLATION (3 INCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258245	Ref	Seat Belt Installation (3in Width)	B
1	1001258244	1	Seat Belt (3in) (Black Strap)	
1	1001275933	1	Seat Belt (3in) (Orange Strap)	

SECTION 6 - CAB

FIGURE 6-42. HEATER INSTALLATION



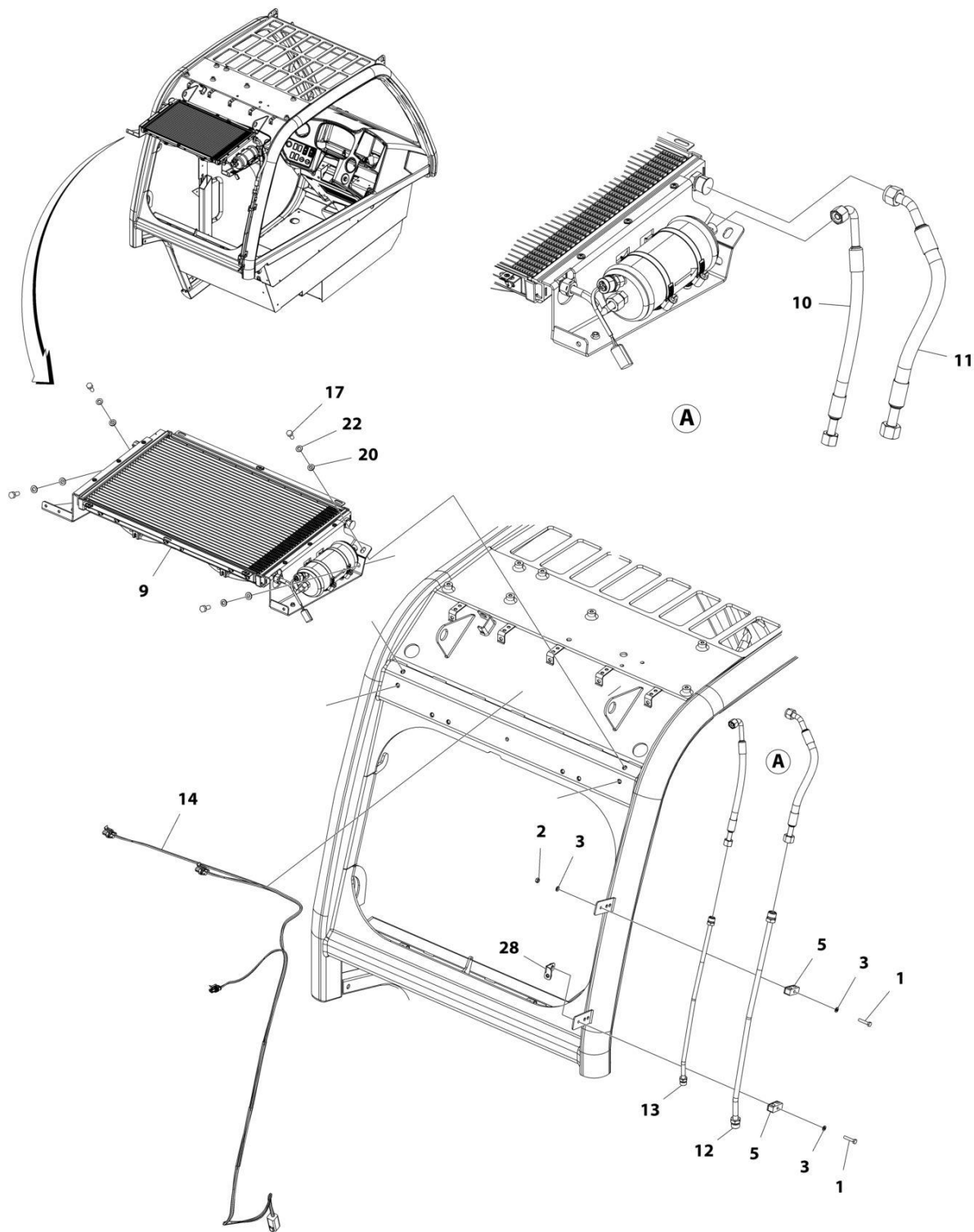
ART_1001160043-L

FIGURE 6-42. HEATER INSTALLATION

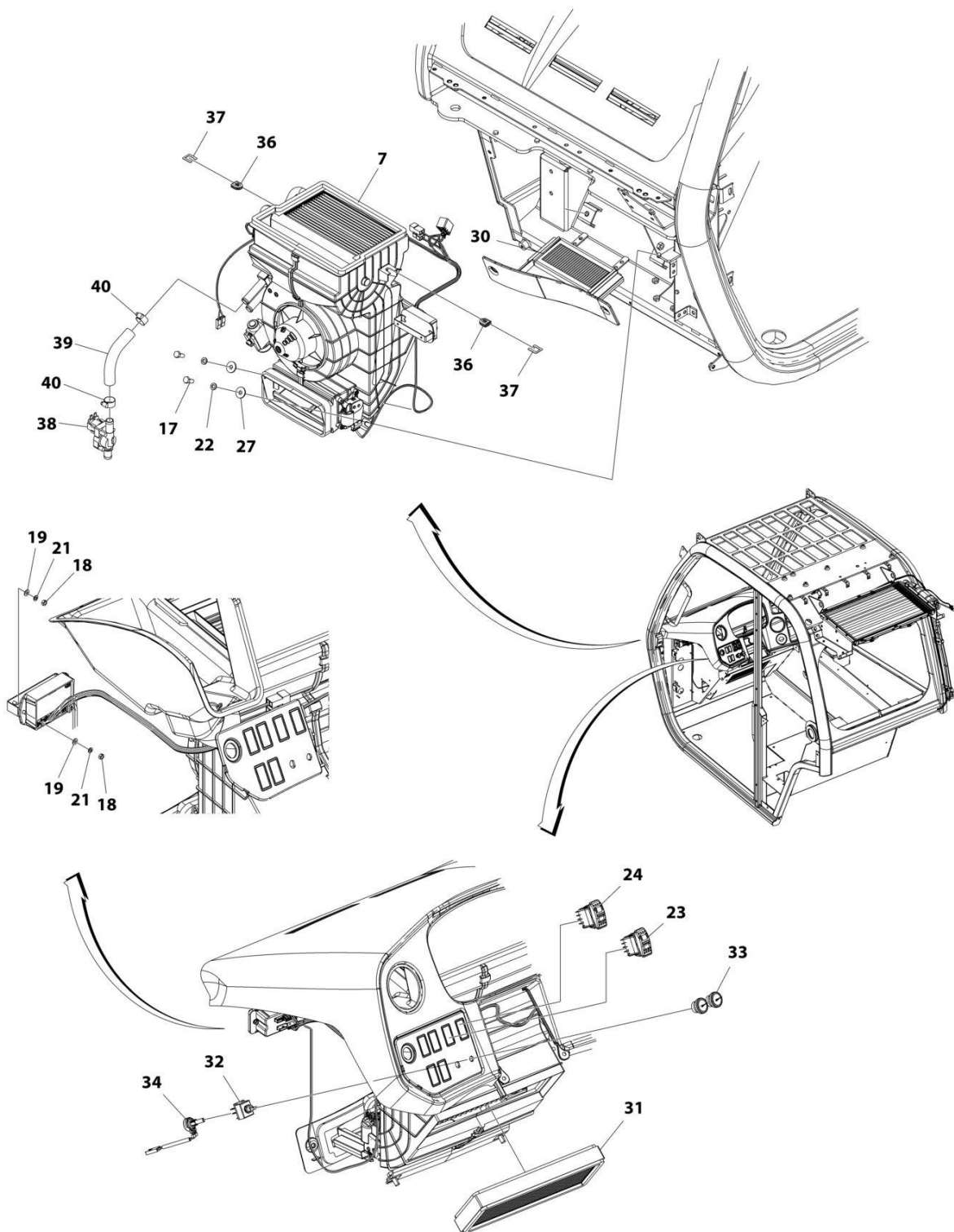
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160043	Ref	HEATER INSTALLATION	L
1	0760810	2	Bolt M8 x 20	
2	3290401	4	Nut M4	
3	4811400	4	Washer M4	
4	4811902	2	Washer M8	
5	4831400	4	Washer M4	
6	4831900	2	Washer M8	
9	1001268827	1	Assembly, Heater (See Separate Breakdown in this Section)	
10	1001159925	1	Switch, HVAC Recycle	
14	1001218996	1	Filter, HVAC Air	
15	1001172553	1	Filter, HVAC Recirculation Air	
16	1001172547	1	Switch, HVAC Rotary 3 Speed	
17	1001172550	2	Knob, HVAC Control	
18	1001270976	1	Cable, HVAC	
19	1001188590	2	Grommet	
20	1001218542	2	Shim	
21	1001221059	1	Valve, Water	
22	1001221295	1	House	
23	8410009	2	Clamp	

SECTION 6 - CAB

FIGURE 6-43. HEATER AND A/C INSTALLATION (CAB PARTS)



ART_1001160042_O_10F2



ART_1001160042_O_20F2

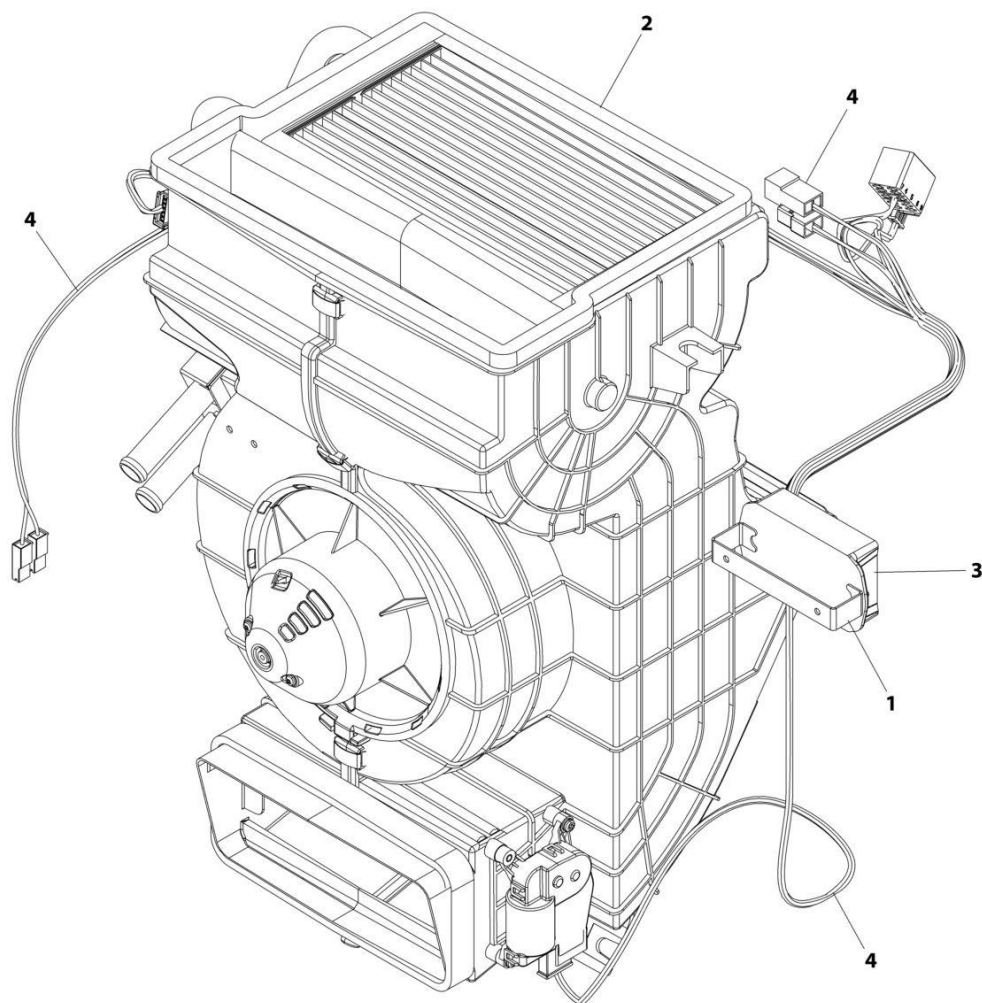
SECTION 6 - CAB

FIGURE 6-43. HEATER AND A/C INSTALLATION (CAB PARTS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160042	Ref	HEATER AND A/C INSTALLATION (CAB PARTS)	O
1	0700614	2	Bolt M6 x 30	
2	3290601	1	Nut M6	
3	4811700	3	Washer M6	
5	1001145539	2	Support, Pipe	
7	1001268831	1	Assembly, Heater and A/C (See Separate Breakdown in this Section)	
9	1001162953	1	Assembly, Cab Condenser (See Separate Breakdown in this Section)	
10	1001168327	1	Hose	
11	1001168330	1	Hose	
12	1001168331	1	Tube	
13	1001168456	1	Tube	
14	1001169151	1	Harness, A/C Option (See Separate Breakdown in ELECTRICAL Section)	
17	0760810	6	Bolt M8 x 20 GR8.8	
18	3290401	4	Nut M4	
19	4811400	4	Washer M4	
20	4811900	4	Washer M8	
21	4831400	4	Washer M4	
22	4831900	6	Washer M8	
23	1001159925	1	Switch, HVAC Recycle	
24	1001160326	1	Switch, HVAC On/Off	
27	4811902	2	Washer M8	
28	1001178170	1	Bracket	
30	1001218996	1	Filter, HVAC Fresh Air	
31	1001172553	1	Filter, HVAC Air Recirculation	
32	1001172547	1	Switch, HVAC Rotary 3 Speed	
33	1001172550	2	Knob, HVAC Control	
34	1001270976	1	Cable, HVAC	
35	1320022	1	Clamp	
36	1001188590	2	Grommet	
37	1001218542	2	Shim	
38	1001221059	1	Valve, Water	
39	1001221295	1	Hose	
40	8410009	2	Clamp	

SECTION 6 - CAB

FIGURE 6-44. HEATER ASSEMBLY

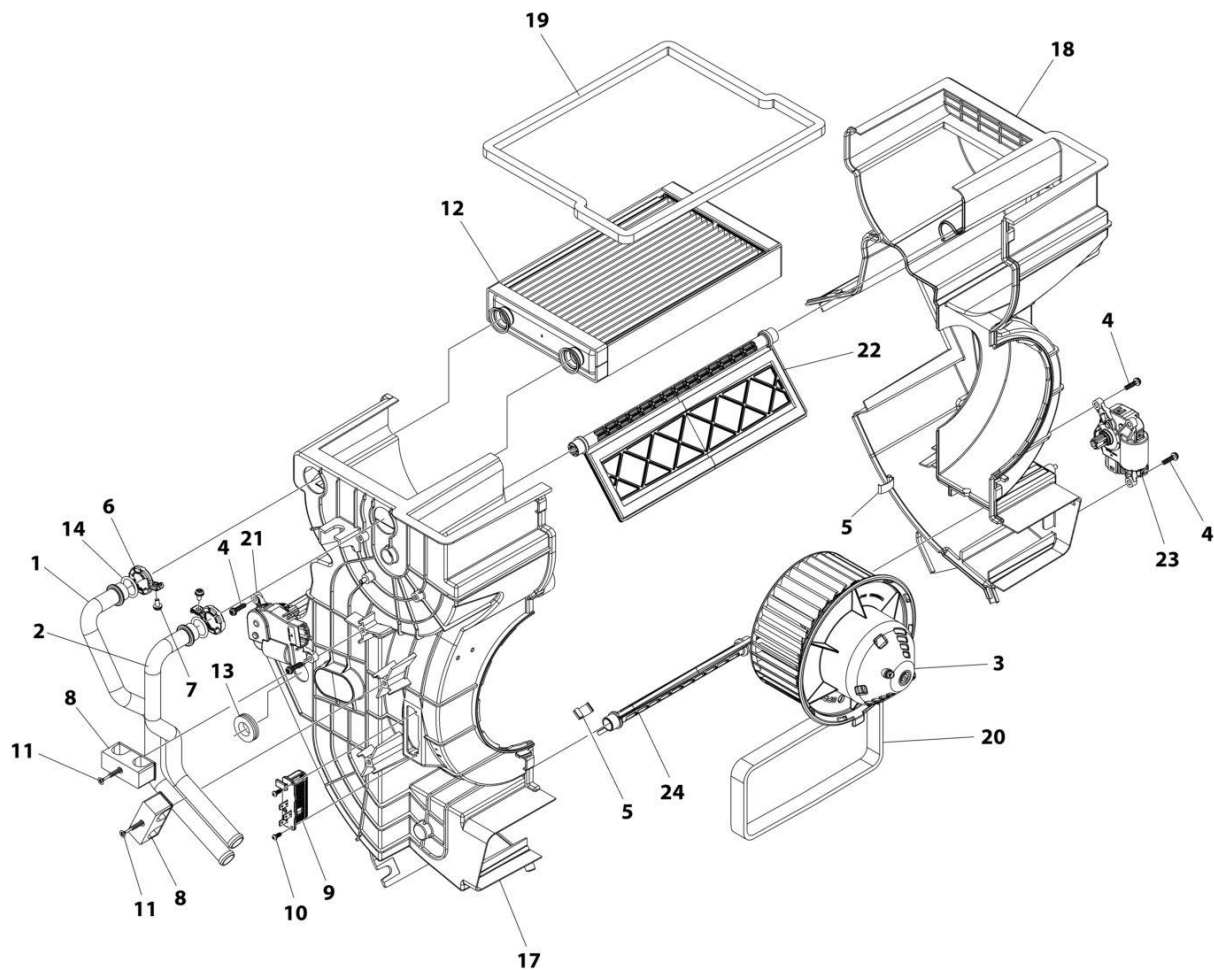


ART_1001268827

FIGURE 6-44. HEATER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268827	Ref	HEATER ASSEMBLY	B
1	1001264976	1	Bracket	
2	1001268828	1	Heater, Cab (See Separate Breakdown in this Section)	
3	1001268829	1	Actuator, HVAC Cab	
4	1001268830	1	Harness, HVAC Actuator (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 6-45. HEATER ASSEMBLY



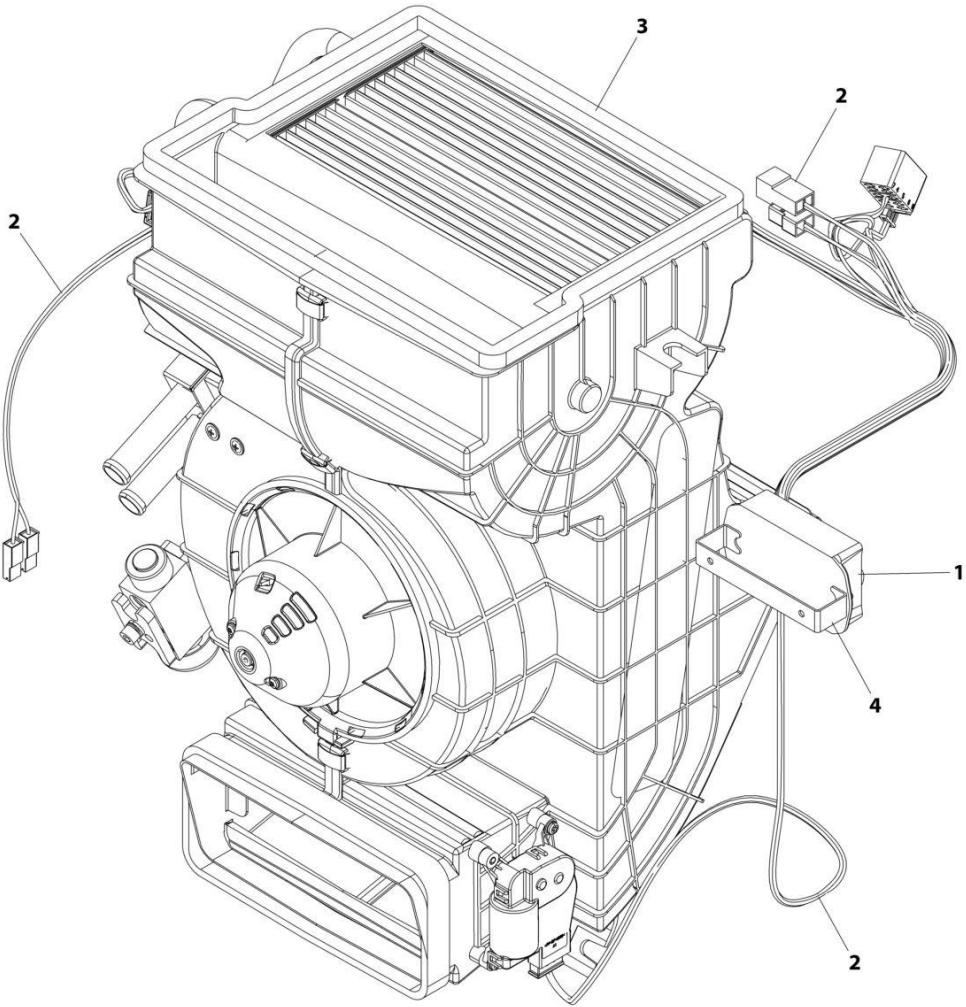
ART_1001268828

FIGURE 6-45. HEATER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268828	Ref	HEATER	B
1	1001184296	1	Pipe, Water	
2	1001184297	1	Pipe, Water	
3	1001188594	1	Fan, 12V	
4	1001188602	4	Screw	
5	1001188603	9	Clamp	
6	1001188604	2	Clamp	
7	1001188610	2	Screw	
8	1001188612	2	Clamp	
9	1001188614	1	Resistor	
10	1001188720	2	Screw	
11	1001188725	2	Screw	
12	1001188729	1	Radiator, Heater Core	
13	1001188733	1	Grommet	
14	1001189025	2	O-Ring	
17	1001269555	1	Housing, RH	
18	1001269556	1	Housing, LH	
19	1001269558	1	Foam, Air Outlet	
20	1001269559	1	Foam, Air Inlet	
21	1001269560	1	Actuator, Fresh/Recirculation Air	
22	1001269561	1	Flap, Mixing	
23	1001269563	1	Actuator, Fresh/Recirculation Air	
24	1001269564	1	Flap, HVAC Fresh	

SECTION 6 - CAB

FIGURE 6-46. HEATER AND A/C ASSEMBLY



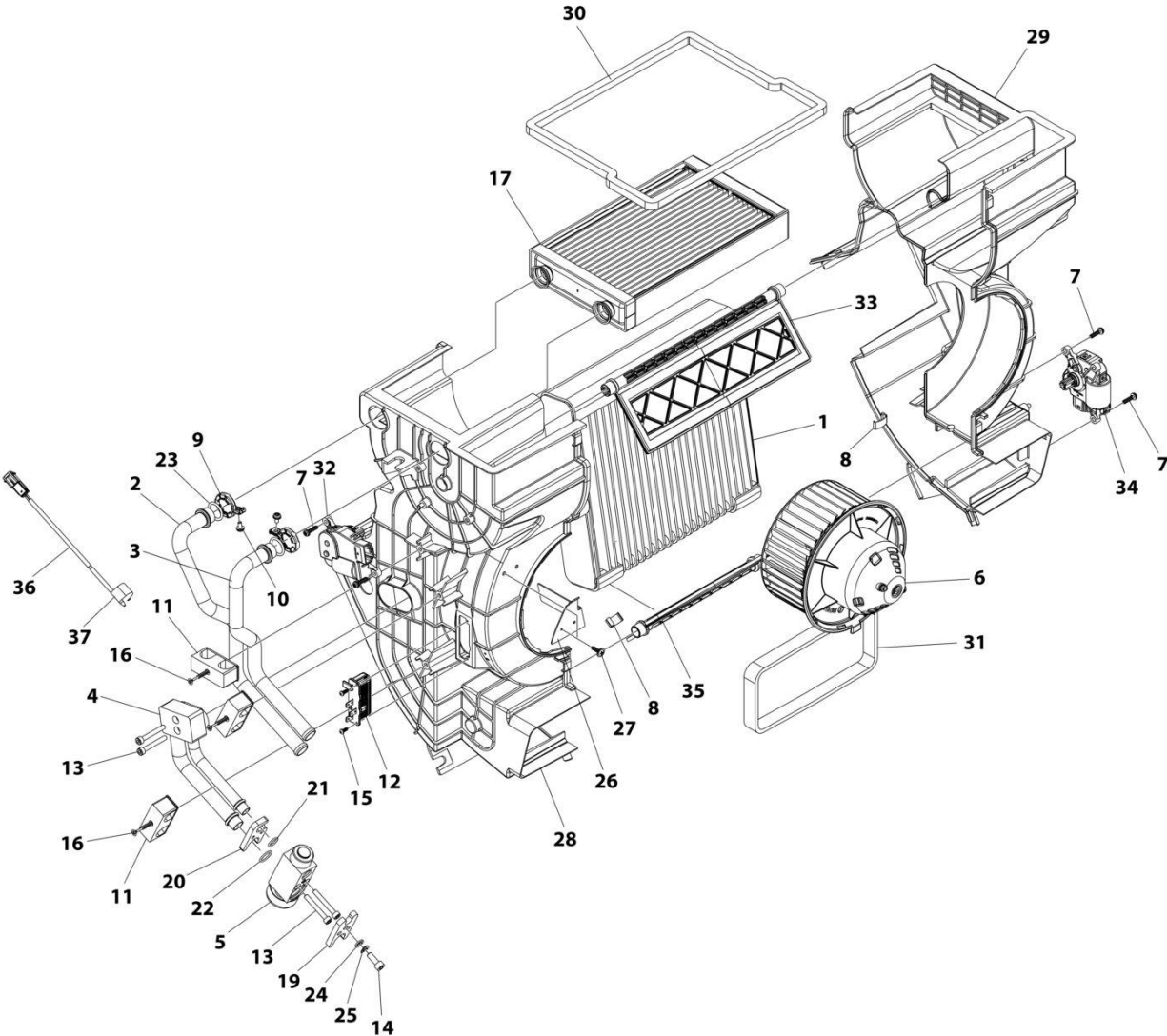
ART_1001268831

FIGURE 6-46. HEATER AND A/C ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268831	Ref	HEATER AND A/C ASSEMBLY	B
1	1001268829	1	Actuator, HVAC Cab	
2	1001268830	1	Harness, HVAC Actuator (See Separate Breakdown in this Section)	
3	1001268832	1	Heater and A/C (See Separate Breakdown in this Section)	
4	1001264976	1	Bracket	

SECTION 6 - CAB

FIGURE 6-47. HEATER AND A/C ASSEMBLY



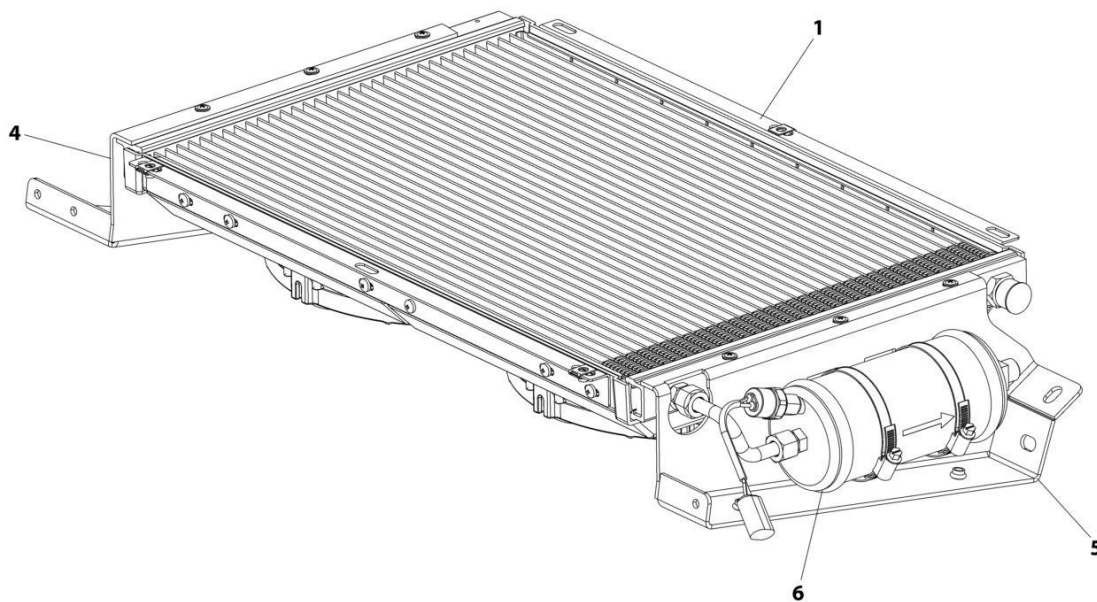
ART_1001268832

FIGURE 6-47. HEATER AND A/C ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268832	Ref	HEATER AND A/C	B
1	1001184280	1	Evaporator, Heater	
2	1001184296	1	Pipe, Heater Water	
3	1001184297	1	Pipe, Heater Water	
4	1001184427	1	Pipe, Heater	
5	1001188592	1	Valve, HVAC Expansion	
6	1001188594	1	Fan, HVAC Centrifugal 12V	
7	1001188602	4	Screw M4	
8	1001188603	9	Clamp, HVAC Case	
9	1001188604	2	Clamp, HVAC Pipe	
10	1001188610	2	Screw M4	
11	1001188612	3	Clamp, Pipe	
12	1001188614	1	Resistor	
13	1001188618	4	Screw M5	
14	1001188619	1	Screw M6	
15	1001188720	2	Screw M2.9 x 9.5	
16	1001188725	3	Screw M4 x 35	
17	1001188729	1	Radiator, Heater Core	
19	1001188817	1	Clamp, Hose	
20	1001188818	1	Clamp, HVAC EVAP/Valve	
21	1001189023	1	O-Ring	
22	1001189024	1	O-Ring	
23	1001189025	2	O-Ring	
24	1001189048	1	Washer	
25	1001189054	1	Washer, Spring	
26	1001221057	1	Plate	
27	1001221058	2	Screw	
28	1001269555	1	Housing, HVAC RH	
29	1001269556	1	Housing, HVAC LH	
30	1001269558	1	Seal, Heater Outlet Foam	
31	1001269559	1	Seal, Air Inlet Foam	
32	1001269560	1	Actuator, Hot/Cold Mixing	
33	1001269561	1	Foam, Heater Mixing Flap	
34	1001269563	1	Actuator, Fresh/Recirculation Air	
35	1001269564	1	Foam, Heater Mixing Flap	
36	1001269578	1	Temperature Sensor	
37	1001269579	1	Clamp, Temperature Sensor	

SECTION 6 - CAB

FIGURE 6-48. CAB CONDENSER ASSEMBLY

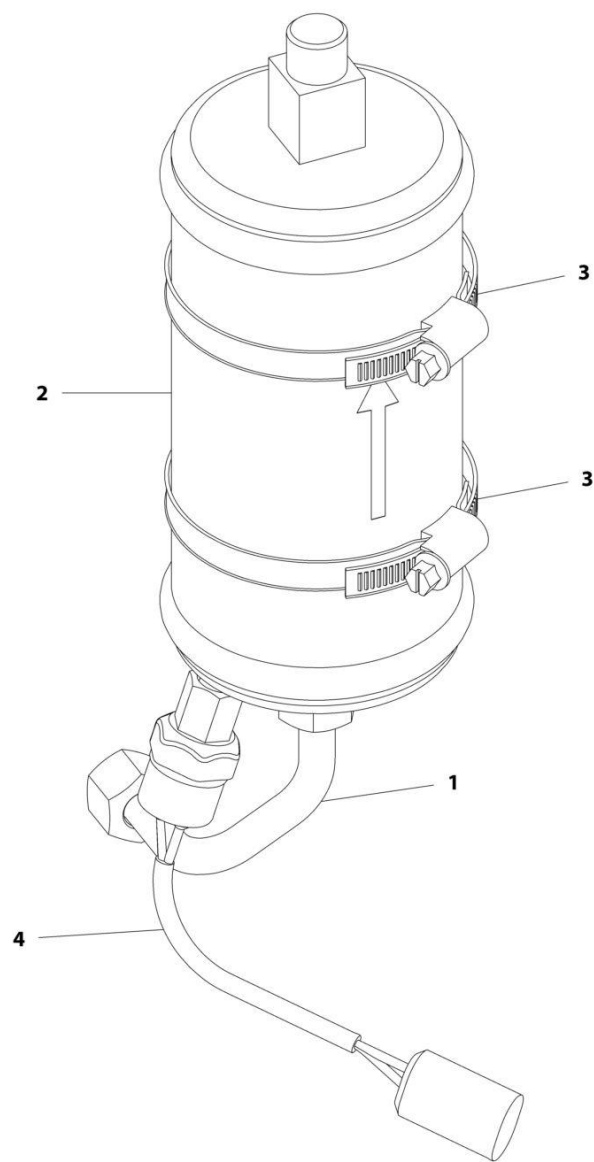


ART_1001162953

FIGURE 6-48. CAB CONDENSER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162953	Ref	Cab Condenser Assembly	G
1	1001167266	1	Condenser (See Separate Breakdown in this Section)	
4	1001179080	1	Bracket	
5	1001179081	1	Bracket	
6	1001179130	1	Drier, A/C Receiver (See Separate Breakdown in this Section)	

FIGURE 6-49. A/C RECEIVER DRIER

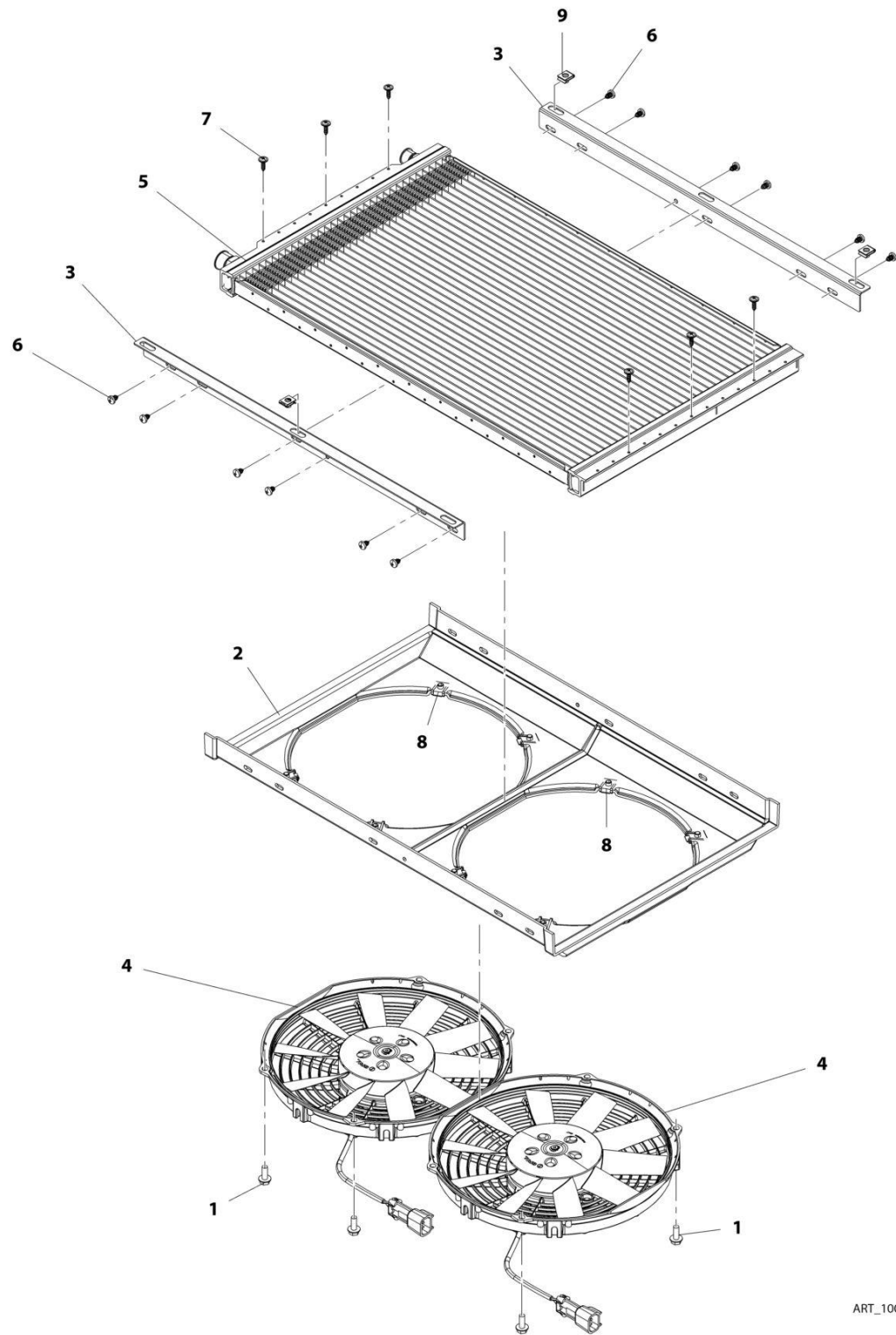


ART_1001179130-B

FIGURE 6-49. A/C RECEIVER DRIER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179130	Ref	A/C Receiver Drier	B
1	1001184403	1	Tube, Heater	
2	1001184404	1	Receiver, Heater Drier	
3	1001184405	2	Clamp	
4	1001184406	1	Connector, Heater	

FIGURE 6-50. CONDENSER



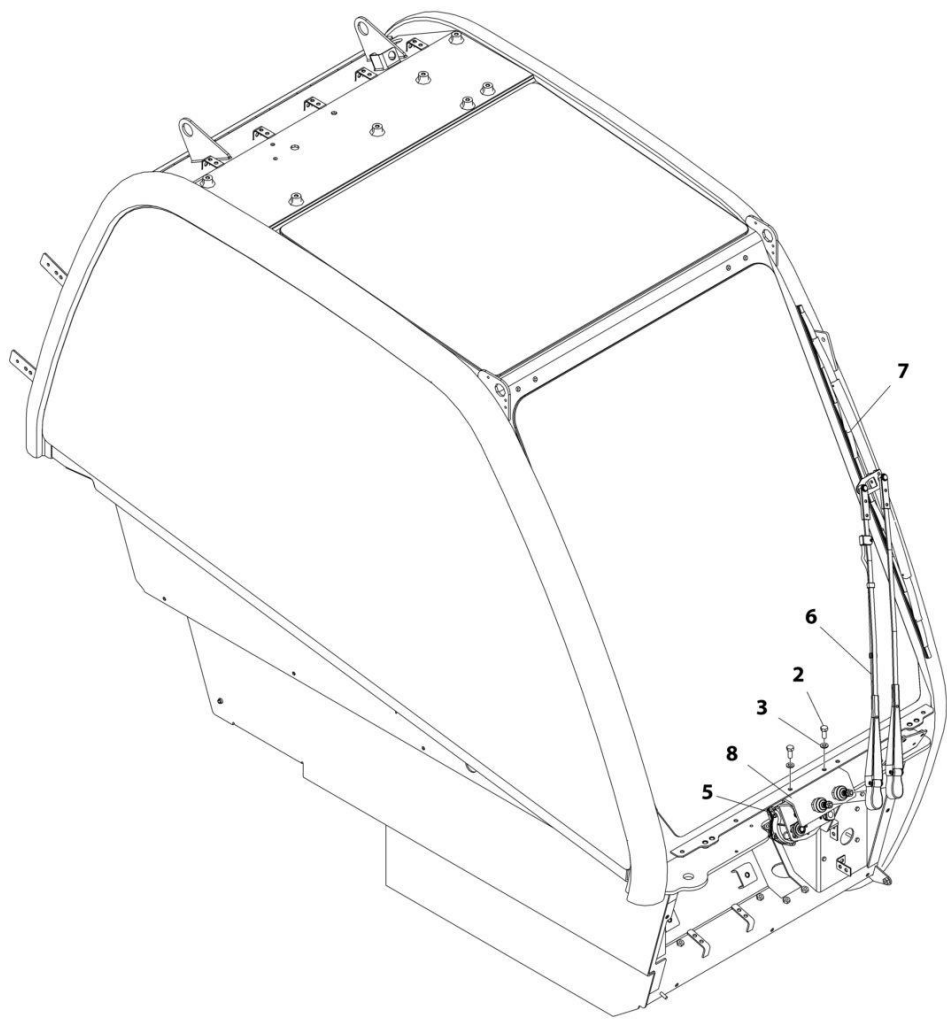
ART_1001167266-C

FIGURE 6-50. CONDENSER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167266	Ref	Condenser	C
1	5250608	8	Bolt, M6X16	
2	1001195342	1	Bracket, Condenser Fan Mount	
3	1001195343	2	Support, Condenser	
4	1001195345	2	Fan, Condenser	
5	1001195346	1	Condenser	
6	1001195385	12	Screw, M3.9X9.5	
7	1001195386	6	Screw, M4.2X16	
8	1001195437	8	Clip, M6X1	
9	1001195438	3	Clip, M6X1	

SECTION 6 - CAB

FIGURE 6-51. FRONT WIPER INSTALLATION



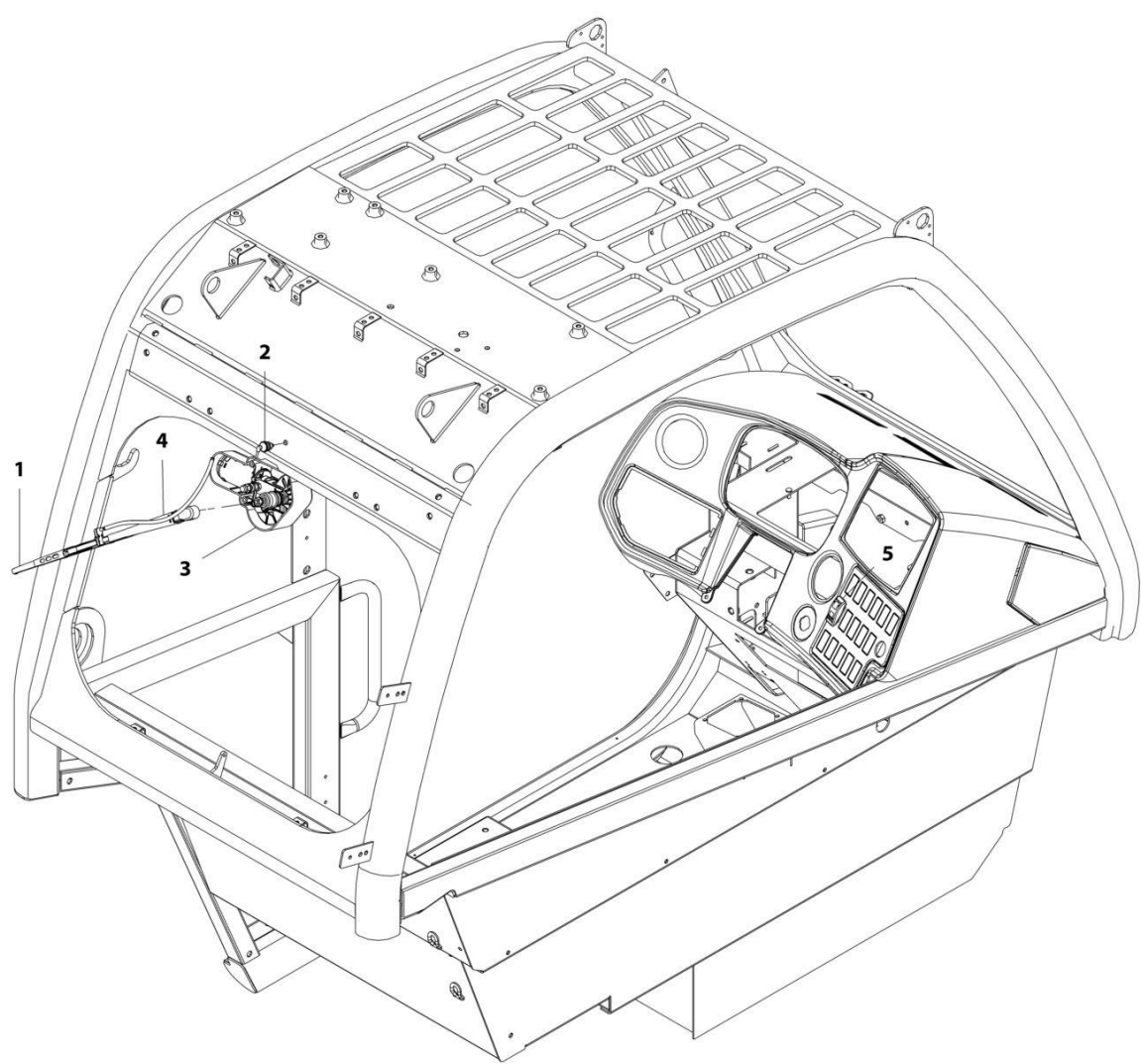
ART_1001155447-G

FIGURE 6-51. FRONT WIPER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155447	Ref	Front Wiper Installation	G
2	0760810	2	Bolt, M8X20	
3	4811900	2	Washer, M8	
5	1001214092	1	Motor, Front Wiper	
6	1001212369	1	Arm, Front Wiper	
7	1001141281	1	Blade, Wiper	
8	1001165637	1	Bracket	

SECTION 6 - CAB

FIGURE 6-52. REAR WIPER INSTALLATION

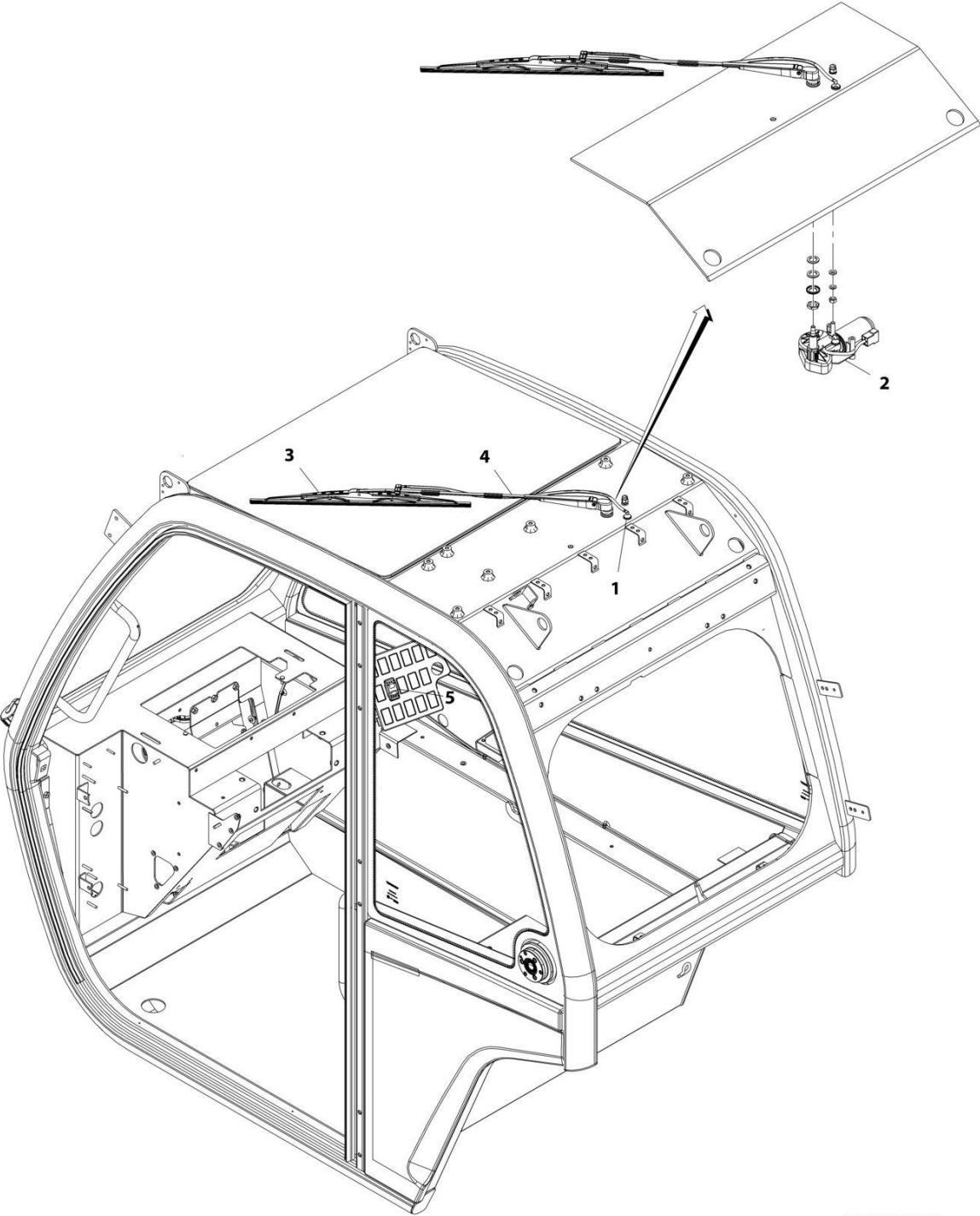


ART_1001176164-B

FIGURE 6-52. REAR WIPER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176164	Ref	Rear Wiper Installation	C
1	4807718	1	Blade, Wiper	
3	1001139552	1	Motor, Rear Wiper Window	
4	1001141312	1	Arm, Rear Window Wiper Blade	
5	1001159735	1	Switch, Rear Wiper	

FIGURE 6-53. ROOF WIPER INSTALLATION

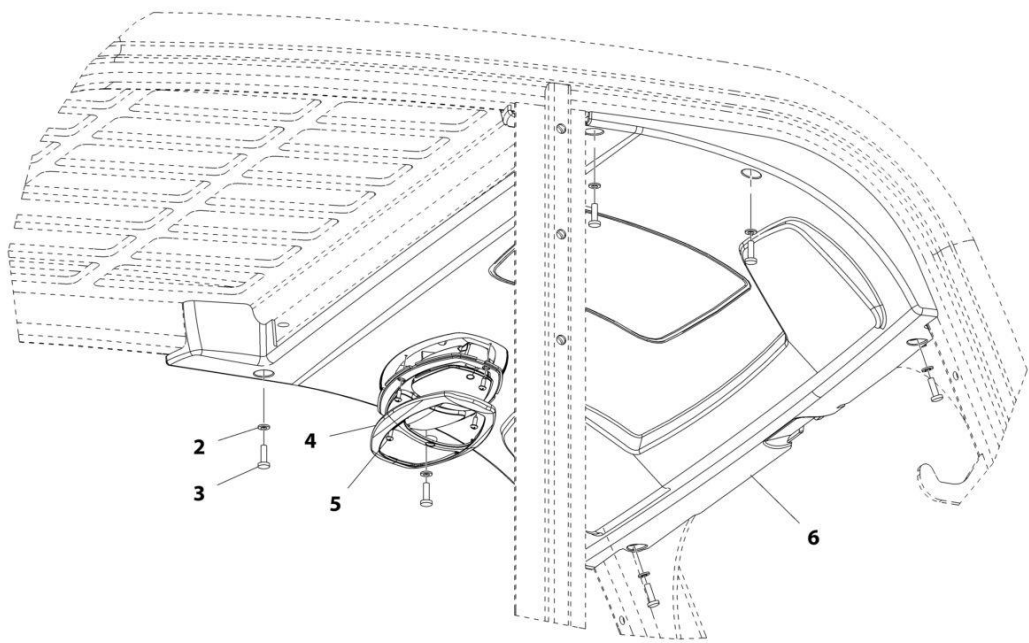


ART_1001155486-B

FIGURE 6-53. ROOF WIPER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155486	Ref	Roof Wiper Installation	B
1	1001090343	1	Connector	
2	1001139551	1	Motor, Roof Wiper	
3	1001141313	1	Blade, Roof Wiper	
4	1001141311	1	Arm, Roof Wiper Blade	
5	1001159736	1	Switch, Roof Wiper	

FIGURE 6-54. HEADLINER INSTALLATION



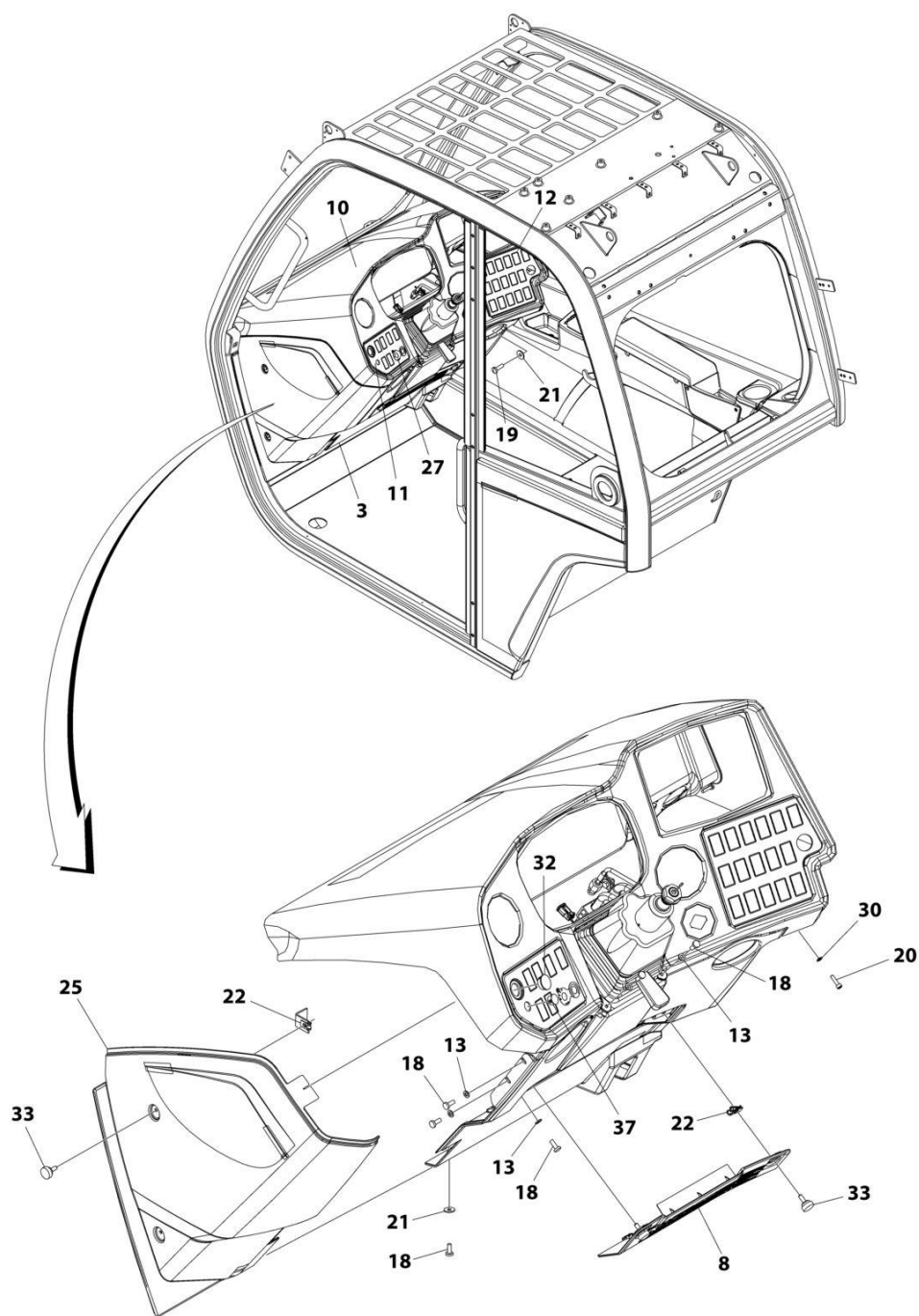
ART_1001170717-D

FIGURE 6-54. HEADLINER INSTALLATION

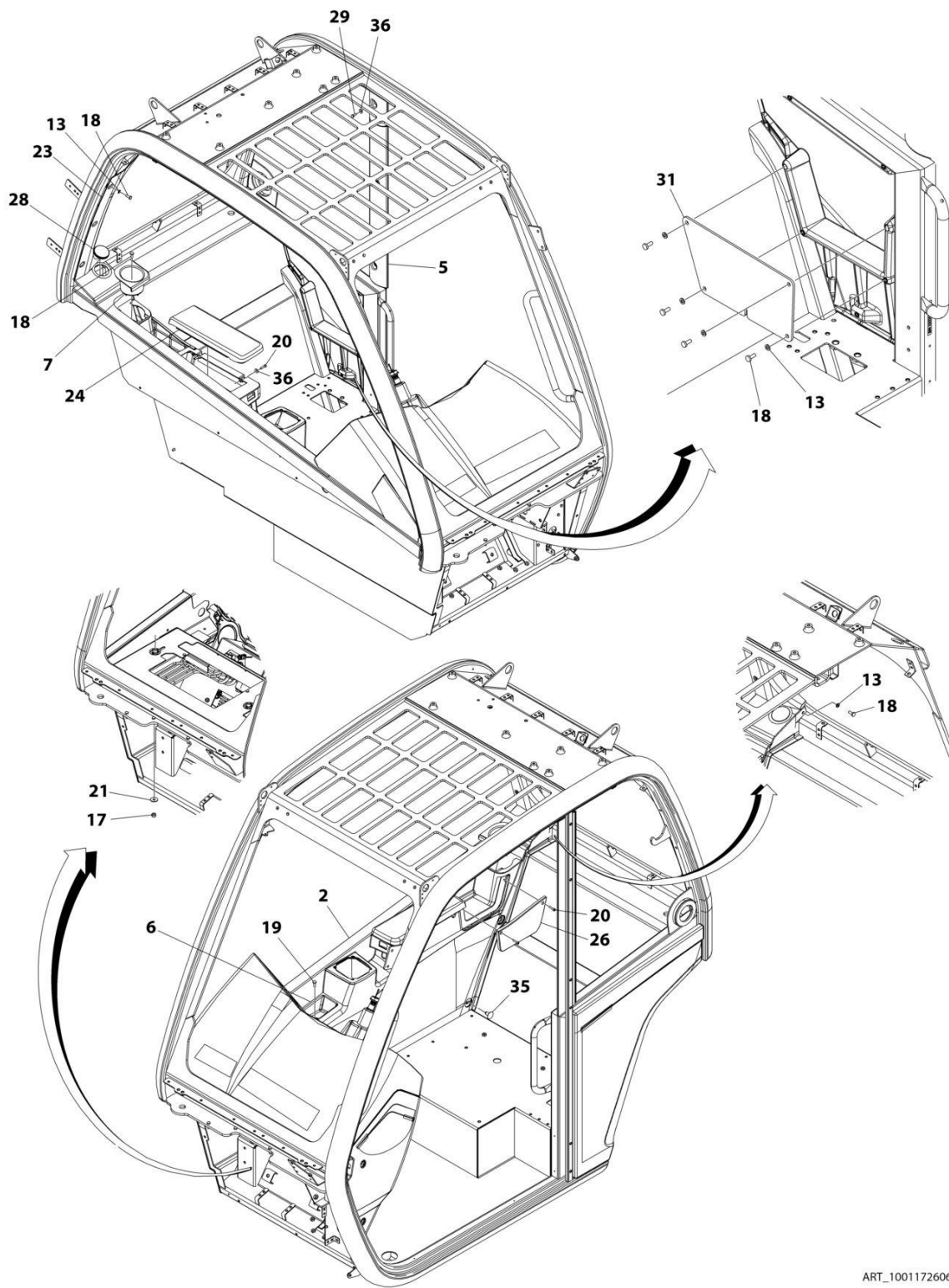
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170717	Ref	Headliner Installation	E
2	4811700	6	Washer, M6	
3	4031708001	6	Screw, M6X20	
4	1001167015	1	Lamp	
5	7029486	4	Screw	
6	1001161069	1	Panel, Headliner	

SECTION 6 - CAB

FIGURE 6-55. TRIM INSTALLATION - OPEN CAB



ART_1001172606_1OF2



ART_1001172606_2OF2

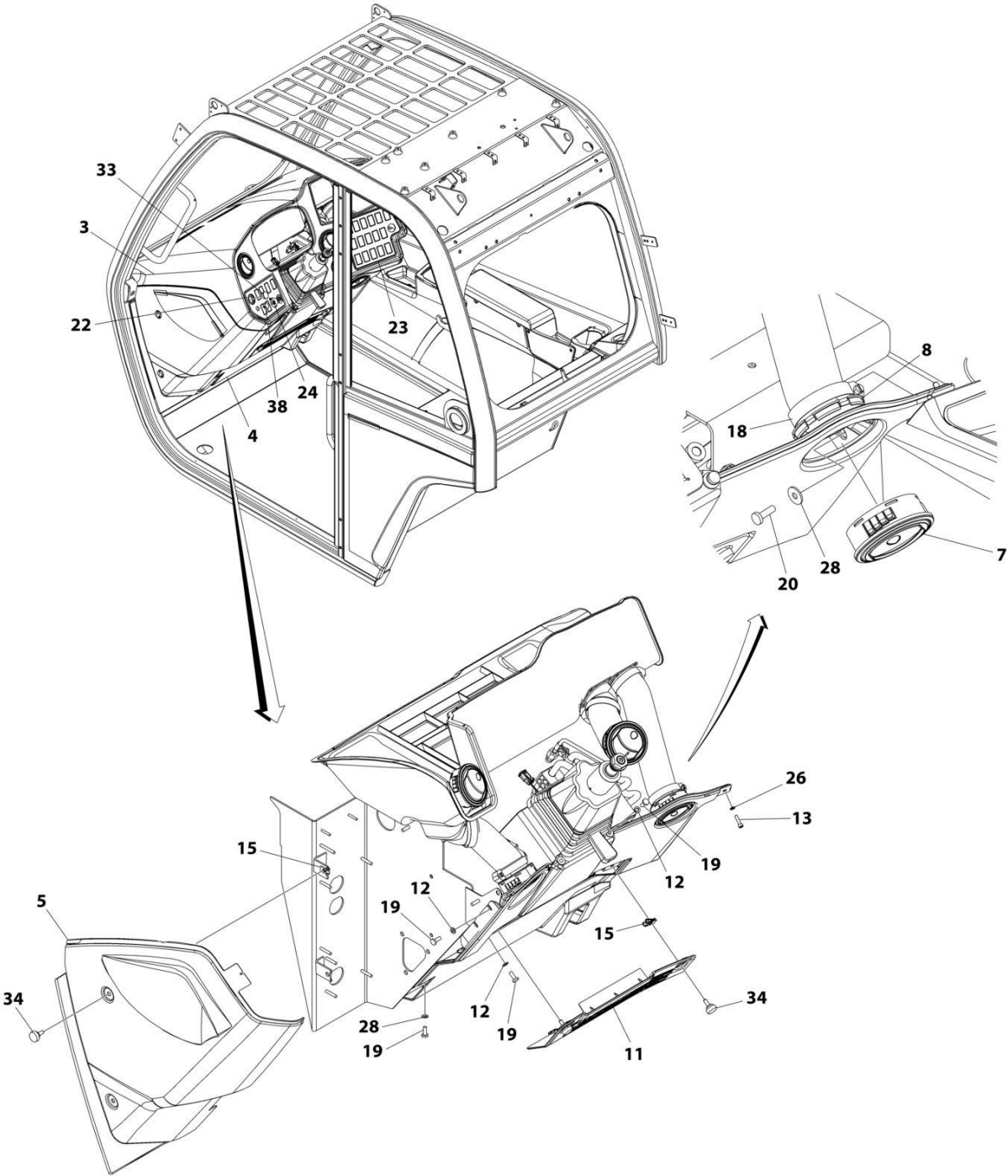
SECTION 6 - CAB

FIGURE 6-55. TRIM INSTALLATION - OPEN CAB

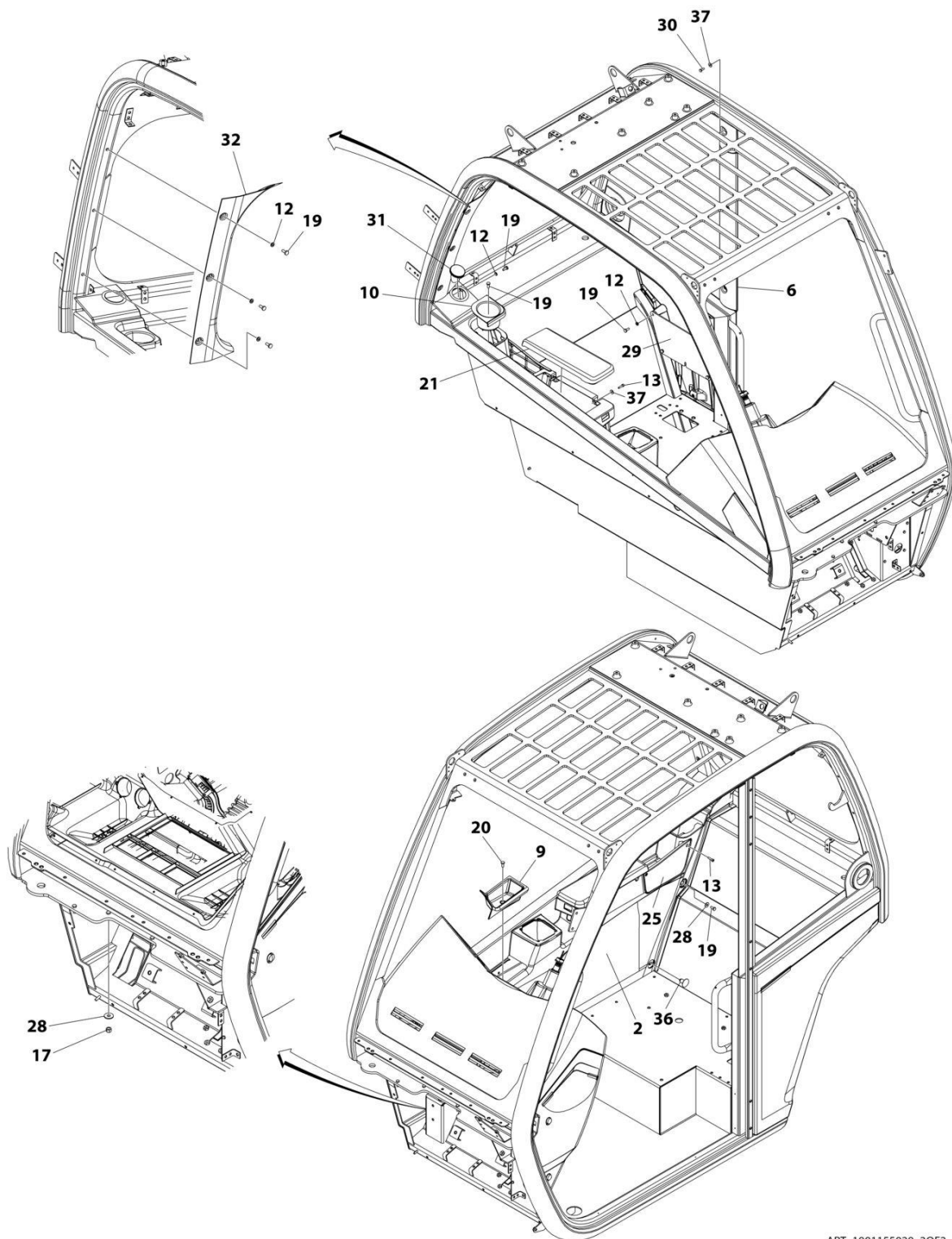
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172606	Ref	Open Cab Trim Installation	K
2	1001169605	1	Cover, Side	
3	1001175904	1	Panel, Lower Dash	
5	1001219076	1	Panel, Cover	
6	1001169603	1	Panel, Trinket Tray	
7	1001170518	1	Holder, Cup	
8	1001170504	1	Panel, Recirculation Grille Cover	
10	1001172608	1	Panel, Dash	
11	1001268846	1	Plate, LH Switch	
12	1001219865	1	Plate, RH Switch	
13	4811700001	14	Washer, M6	
17	3290605	2	Nut, Lock M6X1 Grade 8	
18	4010608002	18	Screw, Posi-Drive M6X16 GR4.8	
19	4010610002	2	Screw, Posi-Drive M6X20 GR4.8	
20	4031608001	5	Screw, M5X20	
21	4811702001	6	Washer, M6	
22	8305919	4	Nut, M6	
23	1001191617	1	Panel, Cover	
24	1001161854	1	Armrest (See Separate Breakdown in this Section)	
25	1001161855	1	Panel, LH Dash	
26	1001173965	1	Bezel, RH	
27	1001190347	1	Decal, No HVAC	
28	1001223265	1	Plug	
29	4010508002	3	Screw, Posi-Drive M5X16	
30	4811600	1	Washer, M5	
31	1001185179	1	Cover, LH Rear Panel	
32	1001190589	1	Blanking Plug	
33	1001208308	4	Screw, M6X15	
35	1001211907	1	Screw	
36	4811602001	5	Washer, M5	
37	1001207963	1	PLUG,5/8 PUSH IN	

SECTION 6 - CAB

FIGURE 6-56. TRIM INSTALLATION - ENCLOSED CAB



ART_1001155020_10F2



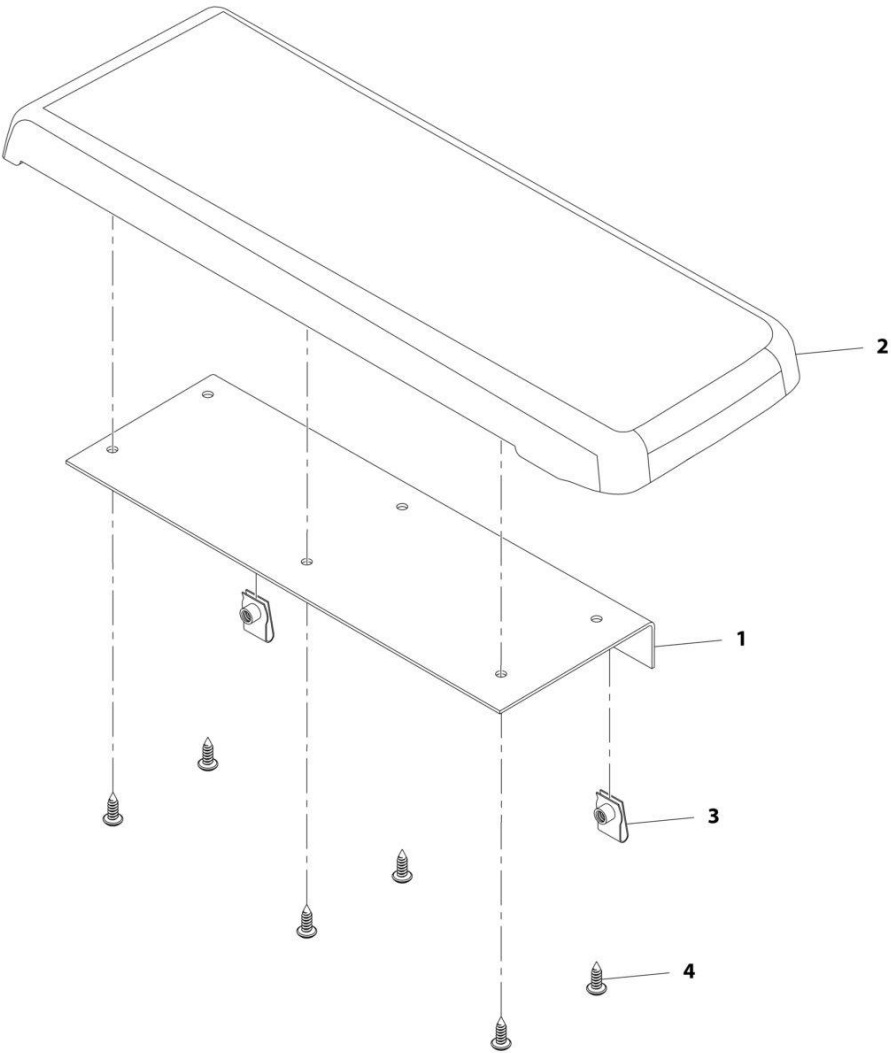
ART_1001155020_20F2

SECTION 6 - CAB

FIGURE 6-56. TRIM INSTALLATION - ENCLOSED CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155020	Ref	Enclosed Cab Trim Installation	N
2	1001169605	1	Cover, Side	
3	1001169604	1	Cover, Dash	
4	1001175903	1	Panel, Lower Dash	
5	1001161855	1	Panel, Cover	
6	1001219076	1	Panel, Cover	
7	1001147449	2	Vent, Air	
8	1001149278	2	Vent, Connector	
9	1001169603	1	Panel, Trinket Tray	
10	1001170518	1	Holder, Cup	
11	1001170504	1	Panel, Recirculation Grille Cover	
12	4811700001	14	Washer, M6	
13	4031608001	5	Bolt, M5X20	
15	8305919	4	Nut, M6	
17	3290605	2	Nut, Lock M6X1 Grade 8	
18	8405201	2	Clamp, Gear	
19	4010608002	18	Screw, Posi-Drive, M6X16	
20	4010610002	1	Screw, M6X20	
21	1001161854	1	Armrest (See Separate Breakdown in this Section)	
22	1001268846	1	Plate, LH Switch	
23	1001219865	1	Plate, RH Switch	
24	1001184975	1	Decal, HVAC	
25	1001173965	1	Bezel, RH	
26	4811600	1	Washer, M5	
28	4811702001	6	Washer, M6	
29	1001185179	1	Panel, LH Rear Cover	
30	4010508002	3	Screw, Posi-Drive M5X16	
31	1001223265	1	Plug	
32	1001191617	1	Panel, RH C Post	
33	1001190589	1	Blanking Plug	
34	1001208308	4	Thumb Screw, M6X15	
36	1001211907	1	Screw	
37	4811602001	5	Washer, Flat	
38	1001207963	1	Plug	

FIGURE 6-57. ARMREST



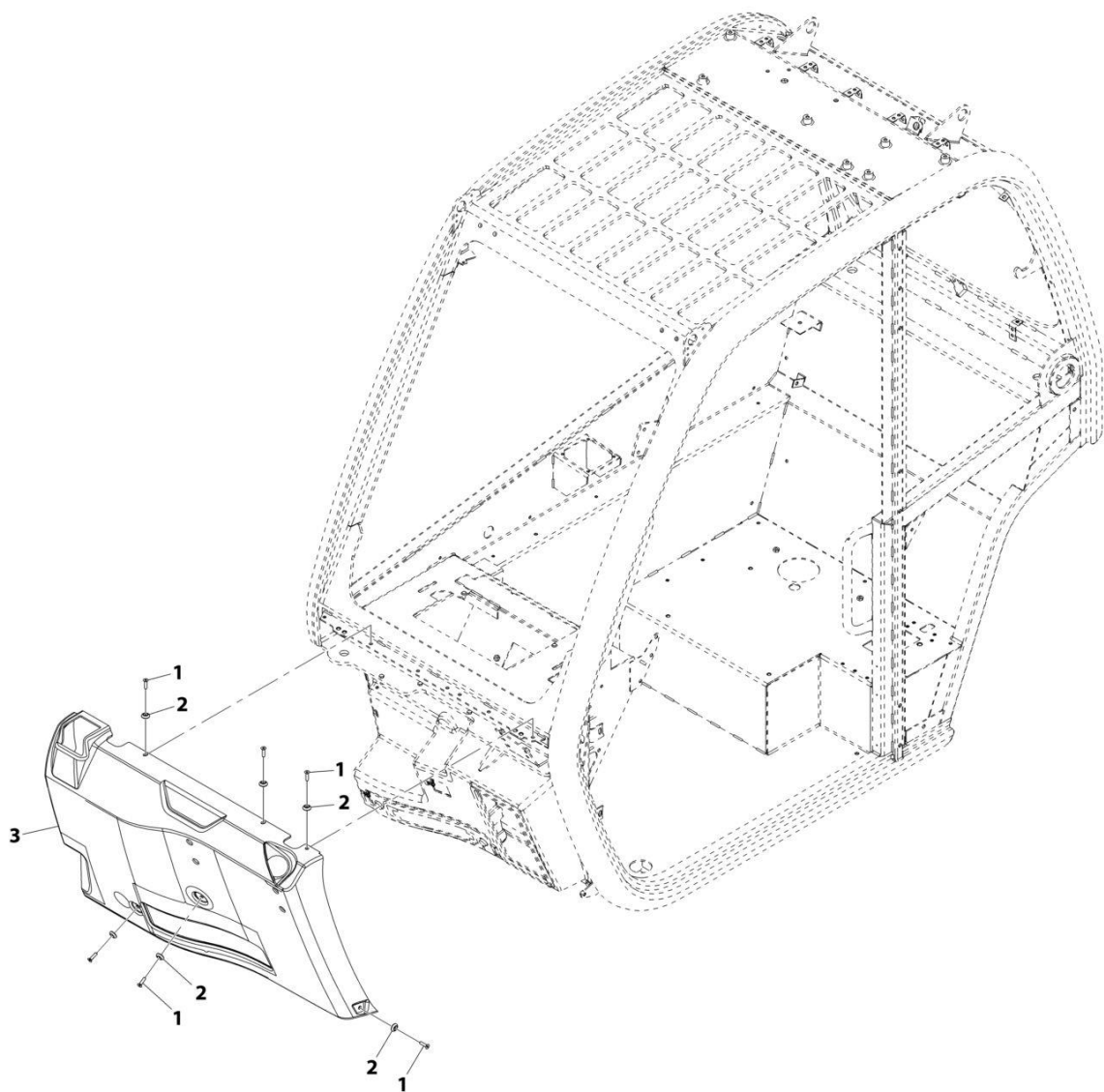
ART_1001161854-E

FIGURE 6-57. ARMREST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161854	Ref	Armrest Assembly	E
1	1001174581	1	Bracket	
2	1001179484	1	Arm Rest	
3	1001183550	2	Nut, Cage M5	
4	1001192240	6	Screw	

SECTION 6 - CAB

FIGURE 6-58. OPEN CAB FRONT COVER INSTALLATION



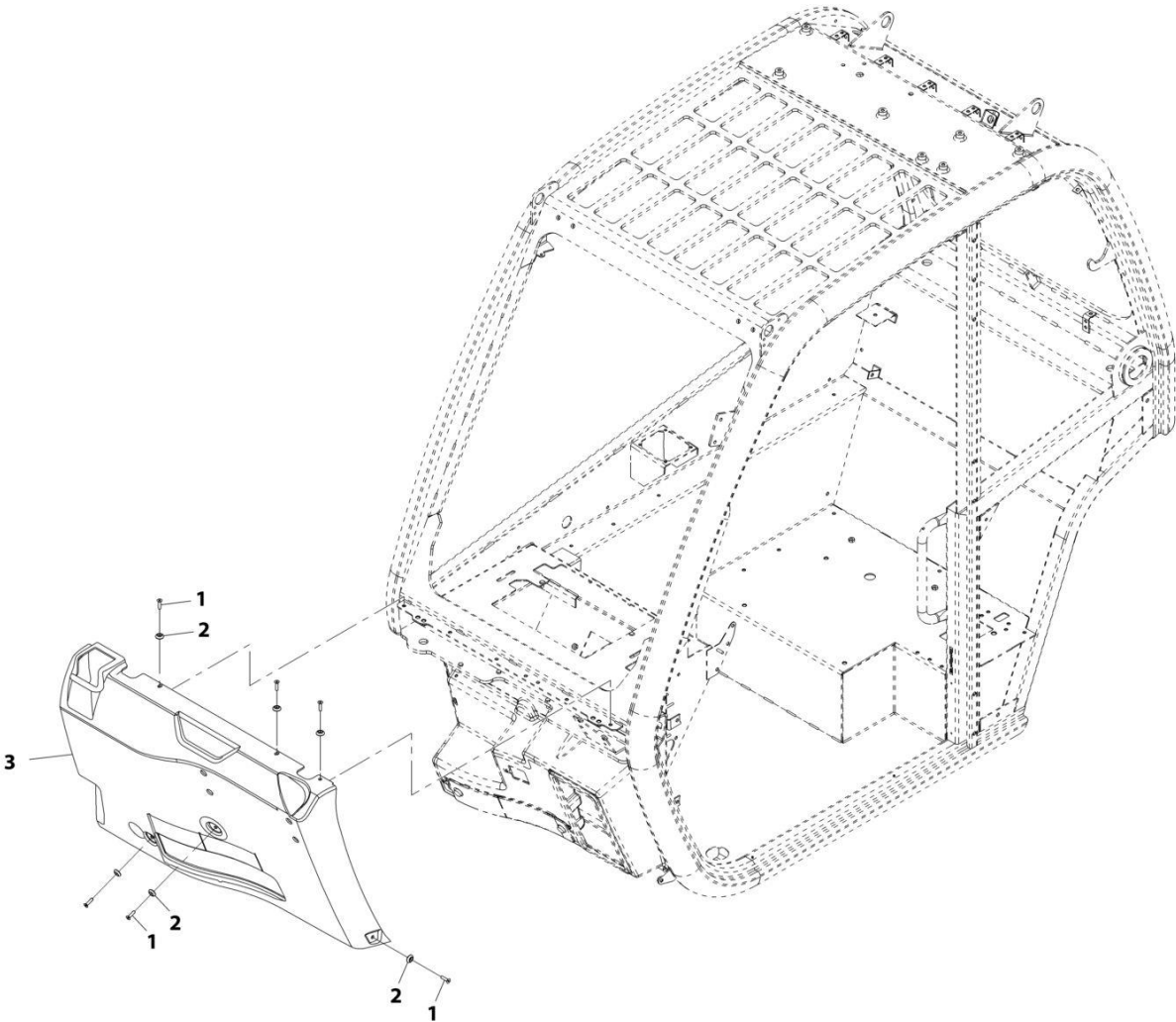
ART_1001229550-A

FIGURE 6-58. OPEN CAB FRONT COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229550	Ref	Open Cab Front Cover Installation	A
1	3900379	6	Screw, Socket HD M6-1X25	
2	1001097540	6	Washer, M6	
3	1001229540	1	Cover, Front	

SECTION 6 - CAB

FIGURE 6-59. ENCLOSED CAB FRONT COVER INSTALLATION



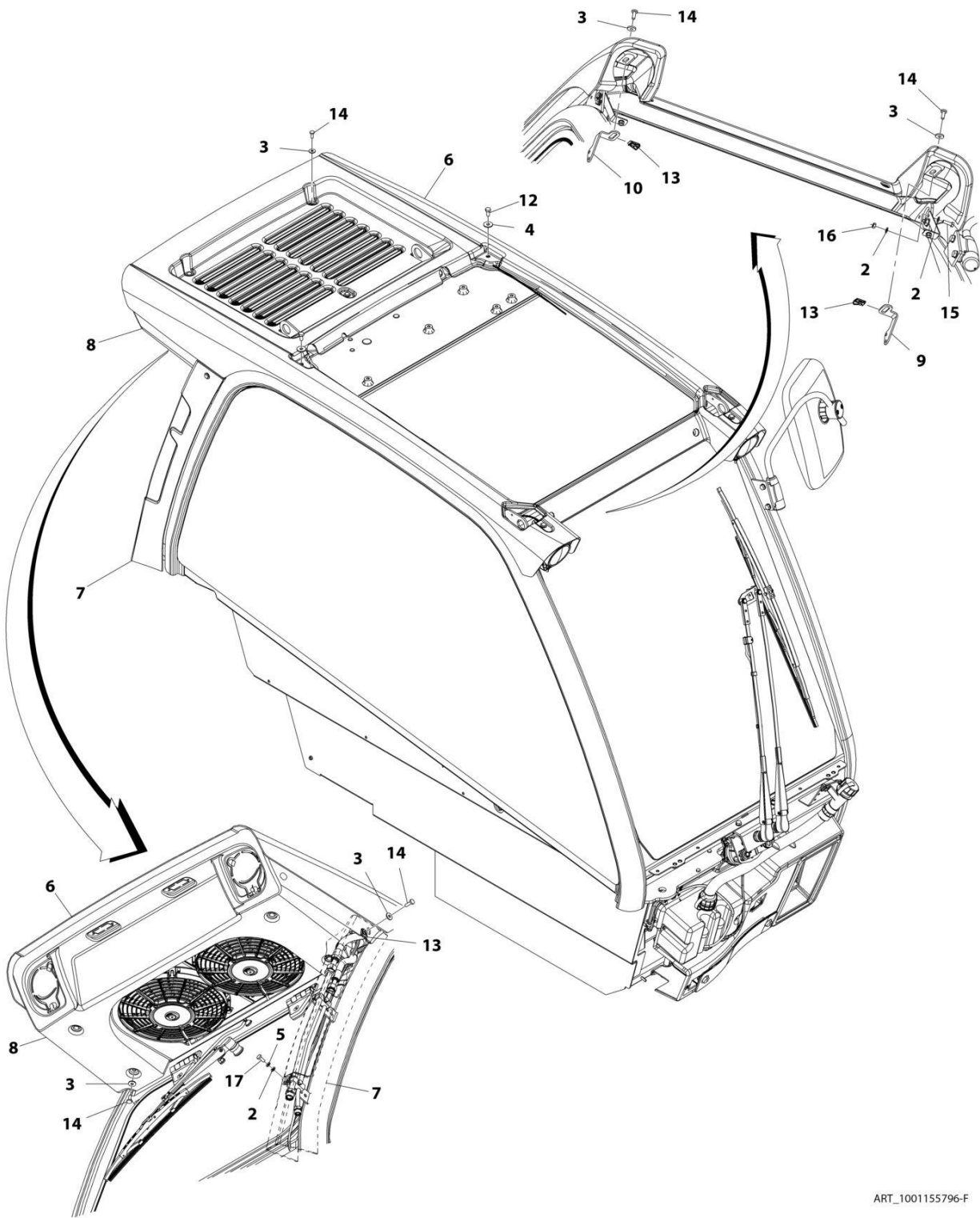
ART_1001229551-A

FIGURE 6-59. ENCLOSED CAB FRONT COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229551	Ref	Enclosed Cab Front Cover Installation	A
1	3900379	6	Screw, Socket Hd M6-1x100	
2	1001097540	6	Washer, M6	
3	1001229541	1	Cover, Front Cab	

SECTION 6 - CAB

FIGURE 6-60. ROOF CAP INSTALLATION (A/C)



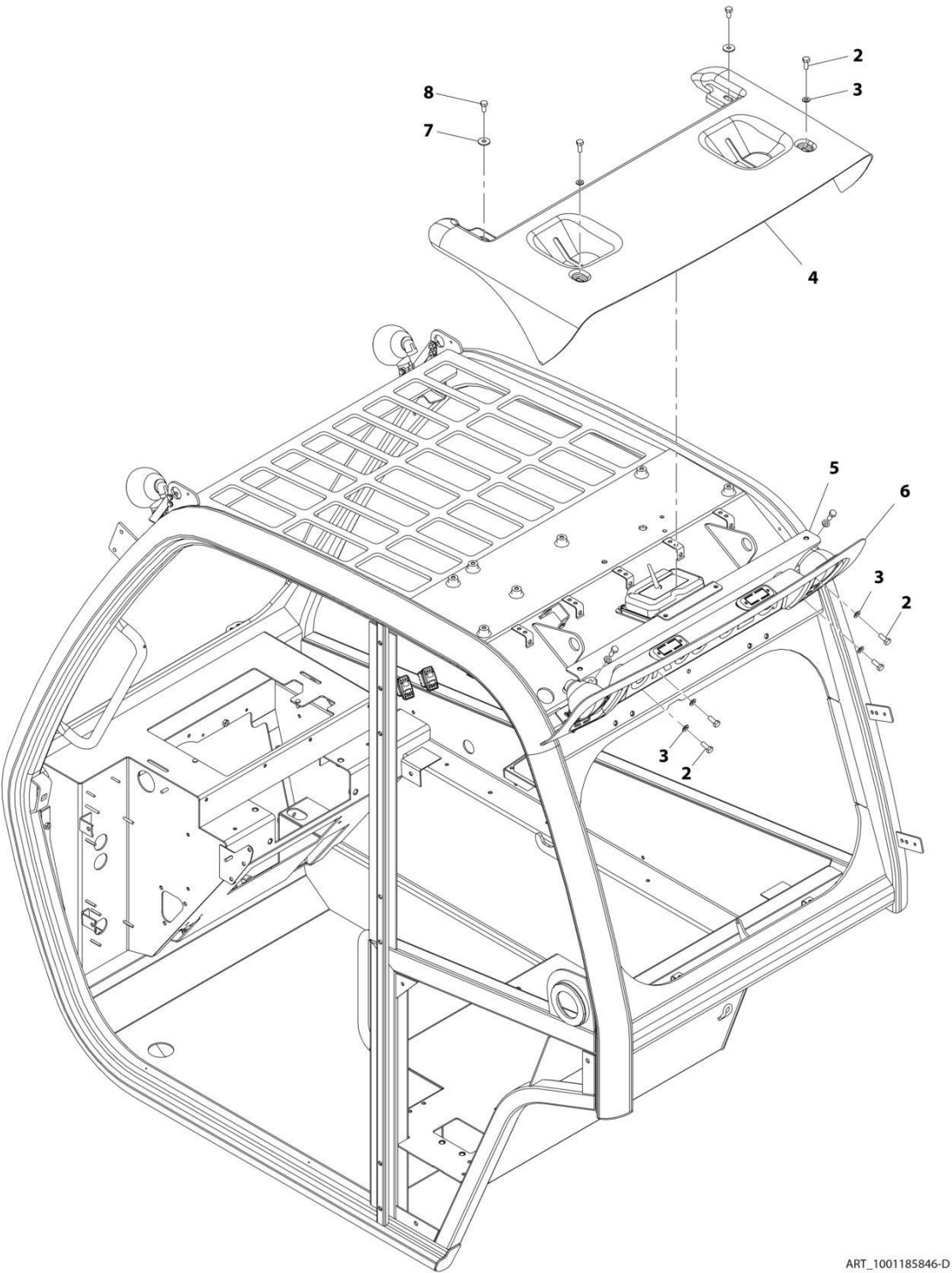
ART_1001155796-F

FIGURE 6-60. ROOF CAP INSTALLATION (A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155796	Ref	Roof Cap Installation (A/C) (Construction)	F
2	4811700	9	Washer, M6	
3	4811702	10	Washer, M6	
4	4811902	2	Washer, M8	
5	4831700	1	Washer, Lock M6	
6	1001155800	1	Cover, Upper Roof Cap	
7	1001174741	1	Cover	
8	1001214156	1	Cover, Lower Roof Cap	
9	1001174800	1	Bracket, Roof Cap	
10	1001174801	1	Bracket, Roof Cap	
12	0760808	2	Bolt, M8X16	
13	8305919	3	Nut, M6	
14	4010610002	10	Screw, Posi-Drive M6X20	
15	0700610	4	Bolt, M6X20	
16	3290601	4	Nut, M6X1	
17	4010608002	1	Screw, Posi-Drive, M6X16	

SECTION 6 - CAB

FIGURE 6-61. ROOF CAP INSTALLATION (NO A/C)



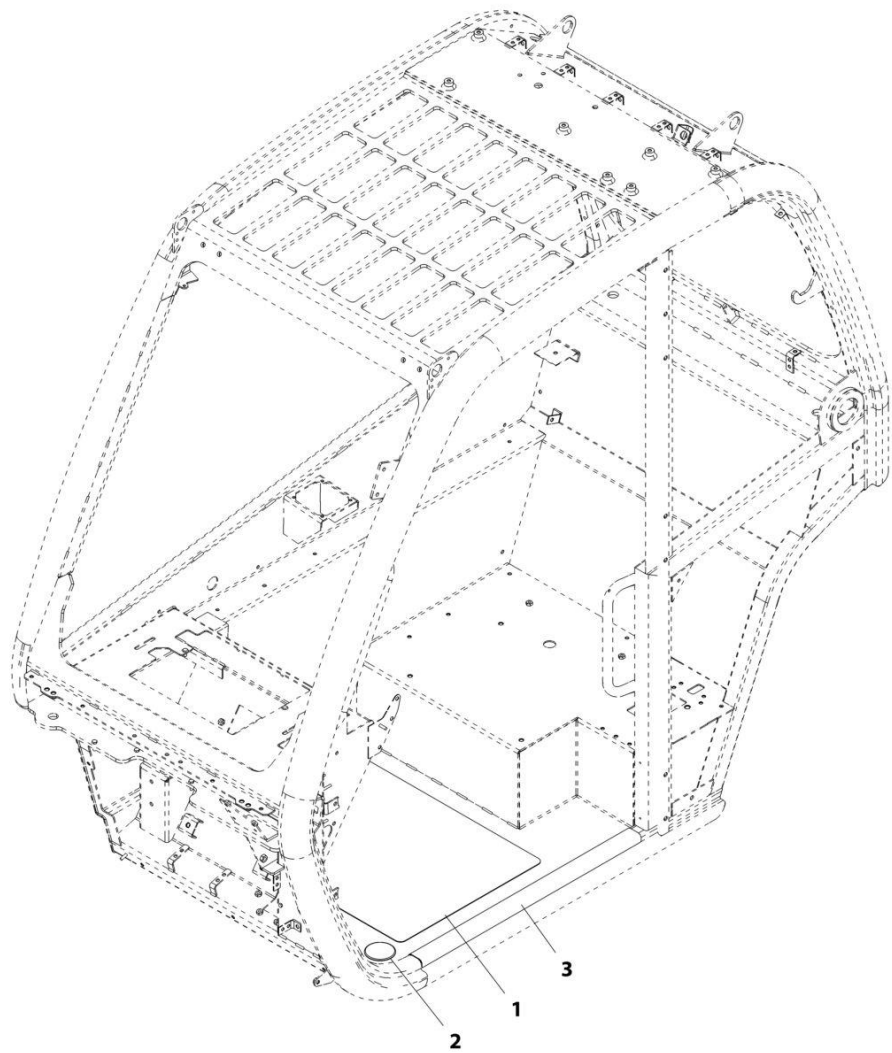
ART_1001185846-D

FIGURE 6-61. ROOF CAP INSTALLATION (NO A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185846	Ref	Roof Cap Installation (No A/C)	D
2	0760810	8	Bolt, M8X20	
3	4811900	8	Washer, M8	
4	1001182328	1	Cover, Short Upper Roof Cap	
5	1001185633	1	Bracket	
6	1001214535	2	Cover, Short Lower Roof Cap	
7	4811902	2	Washer, M8	
8	0760808	2	Bolt, M8X16	

SECTION 6 - CAB

FIGURE 6-62. NON SKID TAPE INSTALLATION



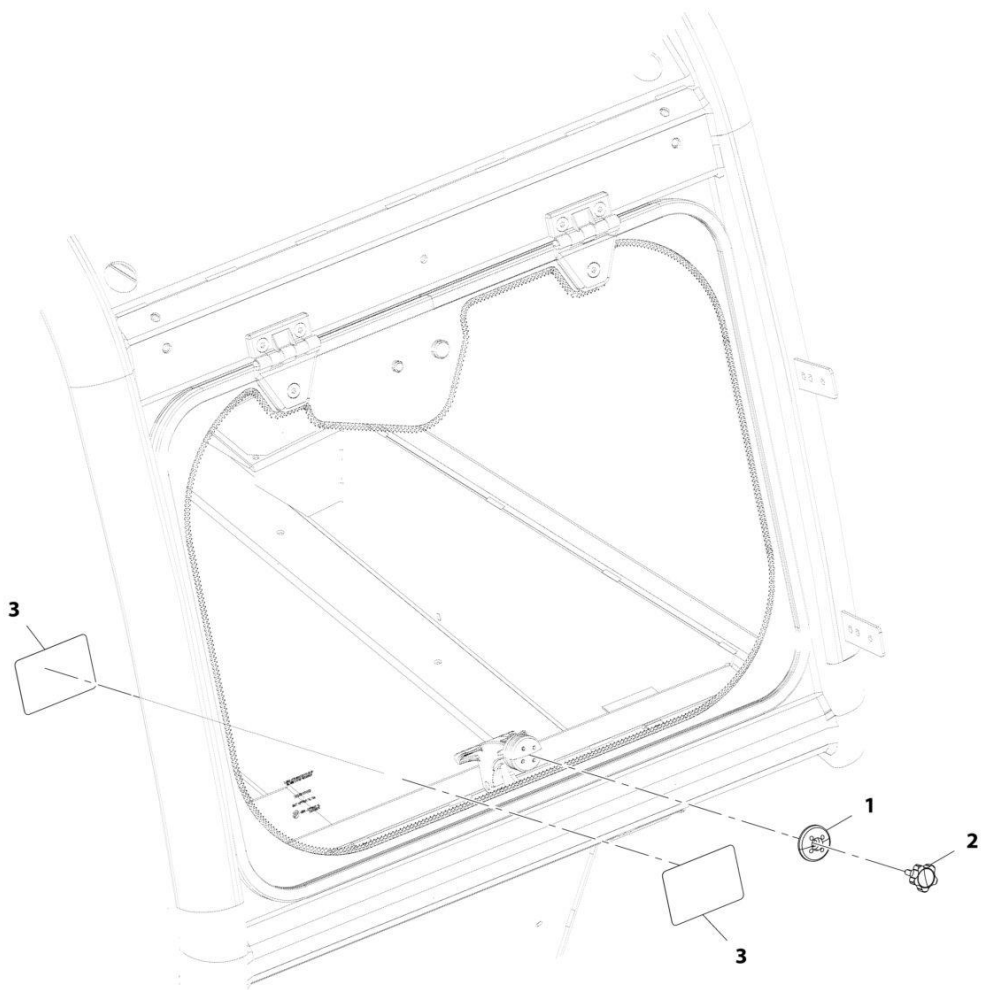
ART_1001197219-B

FIGURE 6-62. NON SKID TAPE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197219	Ref	Non Skid Tape Installation	B
1	1001197217	1	Tape, Non Skid Floor	
2	1001197218	1	Grommet	
3	1001197259	1	Tape, Non Skid Frame	

SECTION 6 - CAB

FIGURE 6-63. EXTERNAL WINDOW RELEASE INSTALLATION (CAN & ISO)



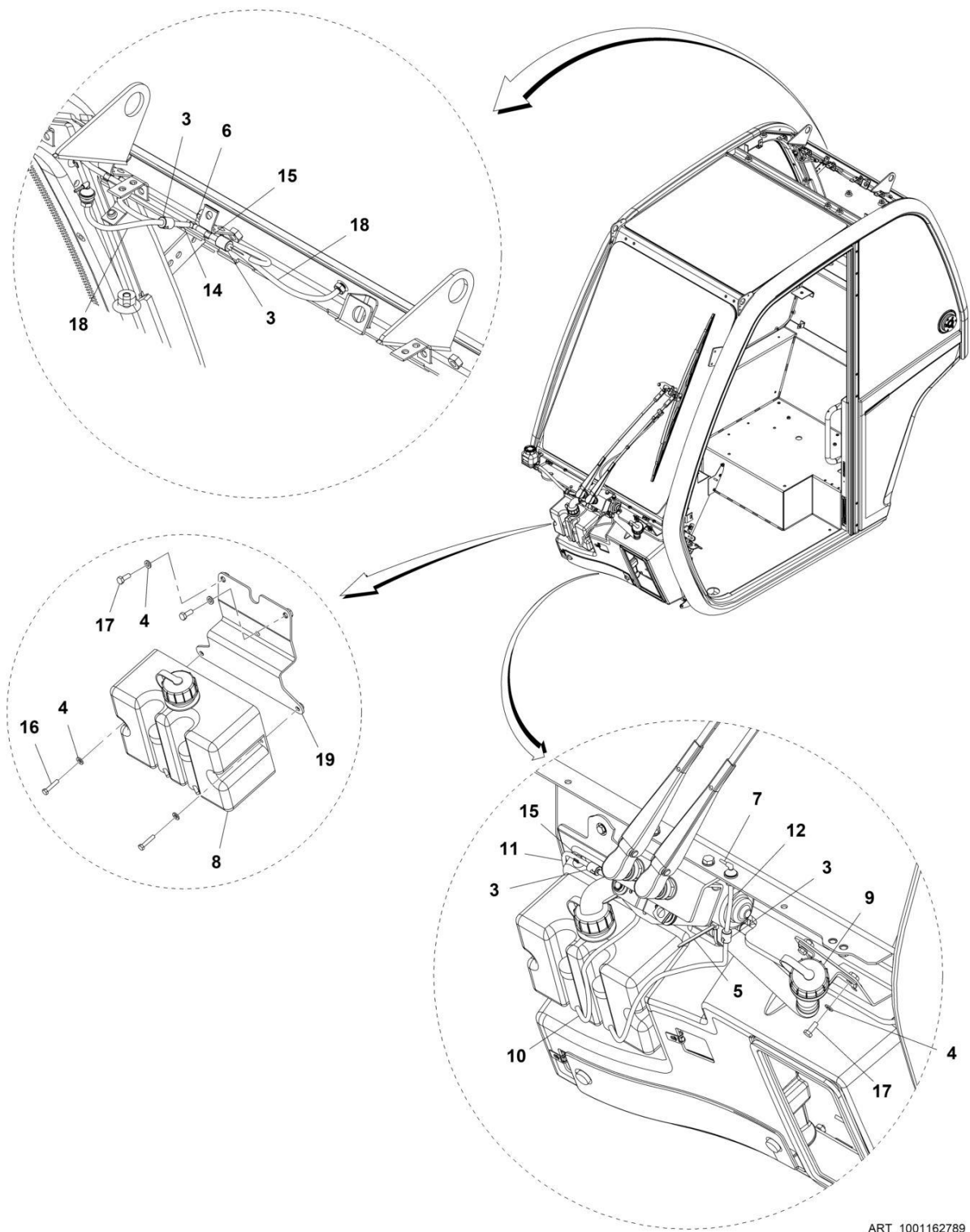
ART_1001178826-C

FIGURE 6-63. EXTERNAL WINDOW RELEASE INSTALLATION (CAN & ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178826	Ref	External Window Release Installation (English/French)	C
1	1001179008	1	Cap, Latch Window	
2	1001179009	1	Knob	
3	1001204709	2	Decal, Emergency Exit (English/French)	

SECTION 6 - CAB

FIGURE 6-64. WASHER TANK INSTALLATION

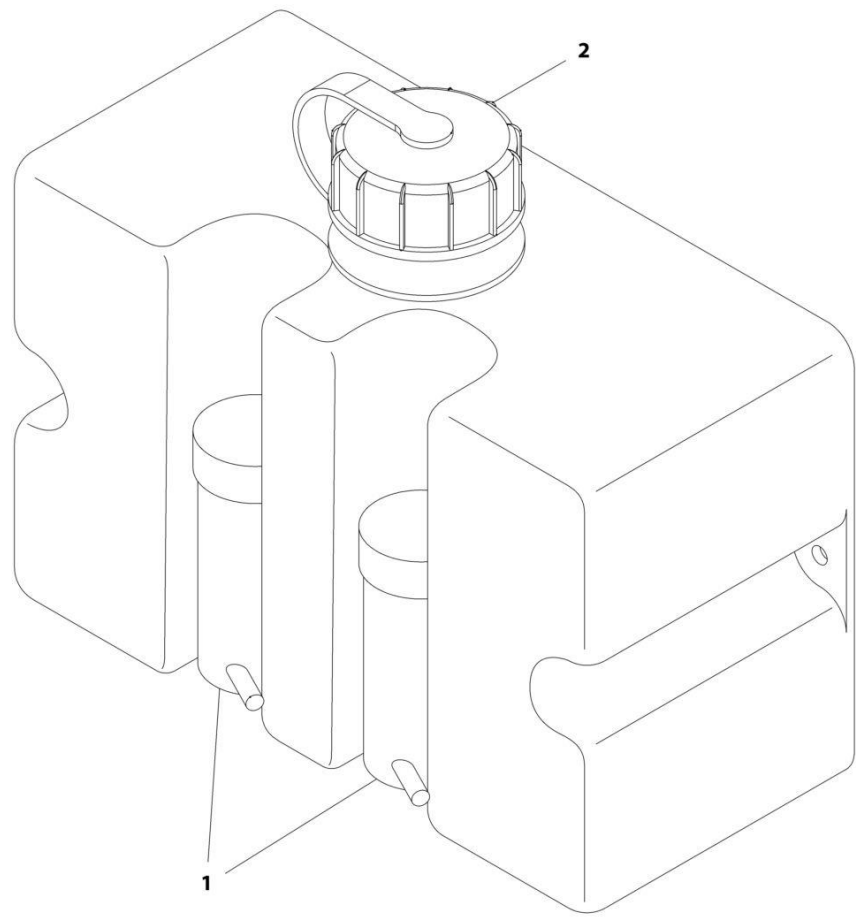


ART_1001162789

FIGURE 6-64. WASHER TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162789	Ref	Washer Tank Installation	M
3	1001201331	4	Valve, Check	
4	4811700	6	Washer, M6	
5	471678	2	Strap, Tie	
6	1001008742	1	Coupling, Tee	
8	1001165269	1	Bottle, Washer (See Separate Breakdown in this Section)	
9	1001165270	1	Hose, Washer Filler	
10	1001165351	2	Hose	
11	1001165407	1	Hose	
12	1001165416	1	Hose	
14	1001165455	2	Hose	
15	1001165458	16	Hose	
16	0760512	2	Bolt M5X25	
17	0760608	4	Bolt, M6X16	
18	1001178123	2	Hose	
19	1001171756	1	Bracket	

FIGURE 6-65. WASHER BOTTLE



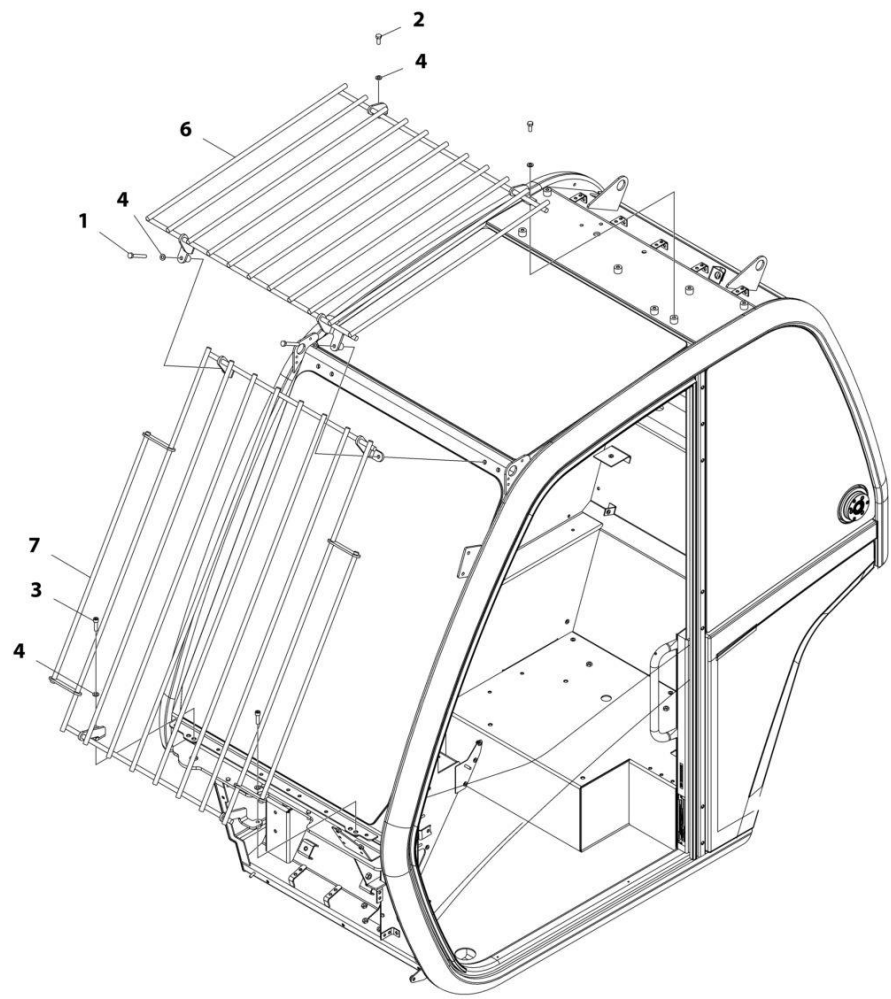
ART_1001165269-B

FIGURE 6-65. WASHER BOTTLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165269	Ref	Washer Bottle	B
1	1001165327	2	Pump, Washer	
2	1001165273	1	Cap, Washer	

SECTION 6 - CAB

FIGURE 6-66. CAB GUARD INSTALLATION (TOP AND FRONT)



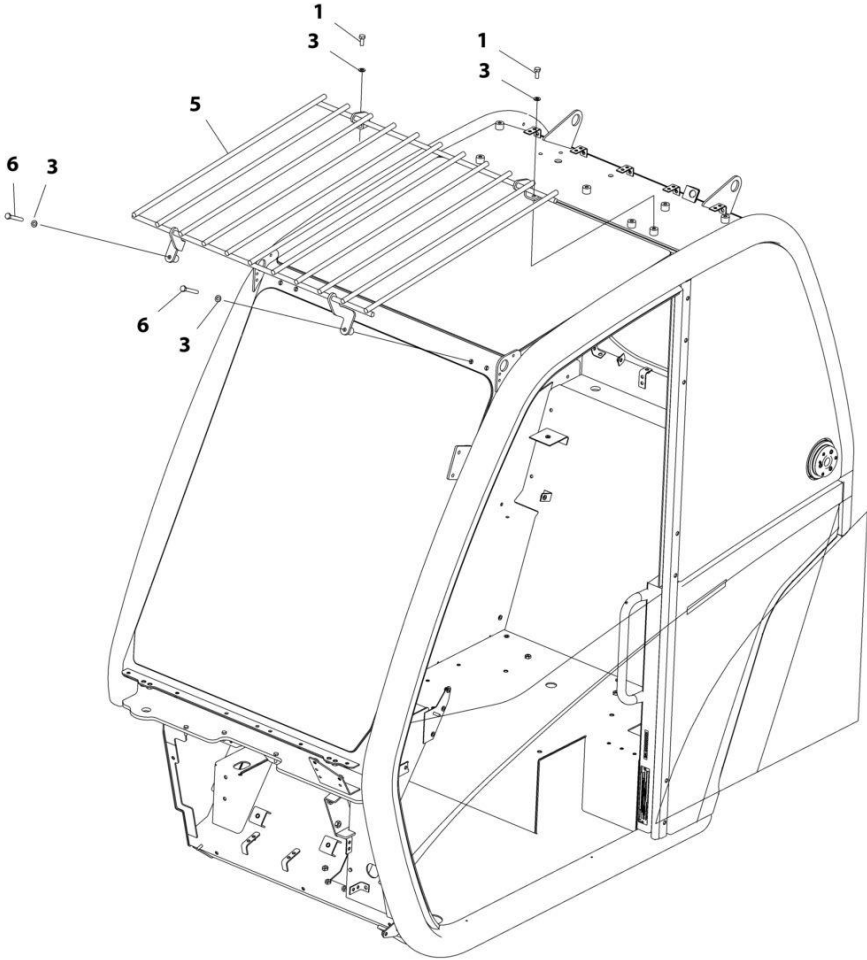
ART_1001172774

FIGURE 6-66. CAB GUARD INSTALLATION (TOP AND FRONT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172774	Ref	CAB GUARD INSTALLATION (TOP AND FRONT)	G
1	0700820	2	Bolt M8 x 60	
2	0760810	2	Bolt M8 x 20	
3	4031910	2	Bolt M8 x 30	
4	4811900	6	Washer M8	
6	1001160503	1	Guard, Top Screen	
7	1001180263	1	Guard, Front Screen	

SECTION 6 - CAB

FIGURE 6-67. CAB GUARD INSTALLATION (TOP)



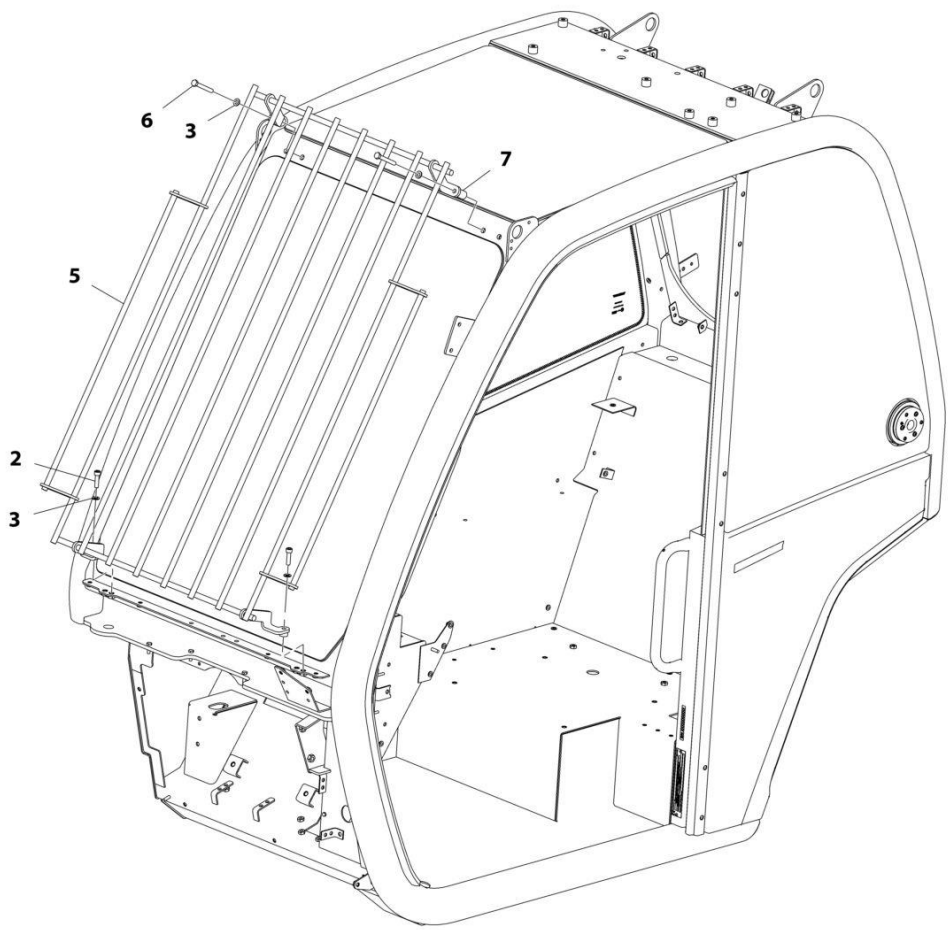
ART_1001160496

FIGURE 6-67. CAB GUARD INSTALLATION (TOP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160496	Ref	Cab Guard Installation (Top)	G
1	0760810	2	Bolt, M8X20	
3	4811900	4	Washer, M8	
5	1001160503	1	Guard, Top Screen	
6	0700820	2	Bolt, M8X60	

SECTION 6 - CAB

FIGURE 6-68. CAB GUARD INSTALLATION (FRONT)



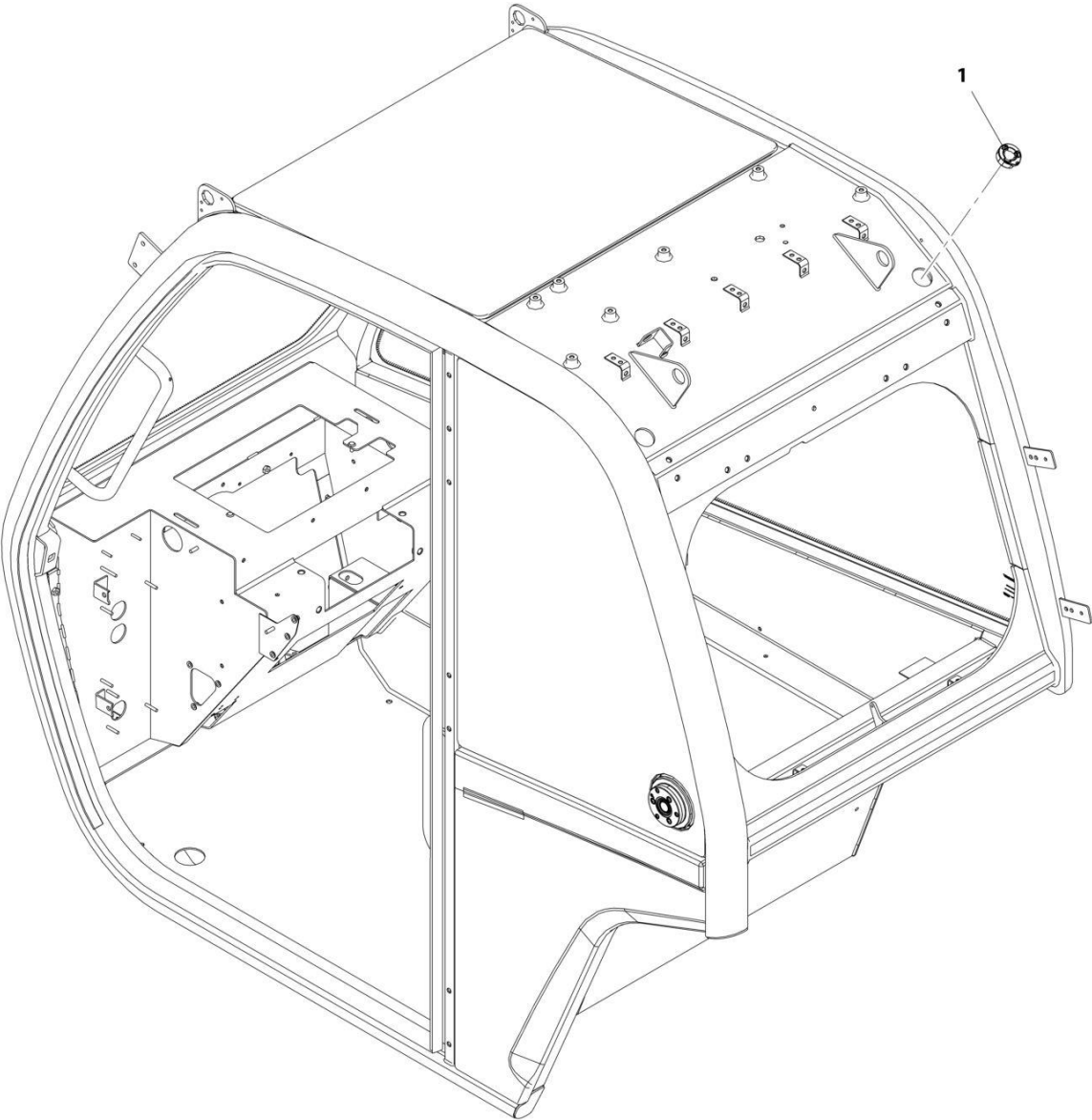
ART_1001160506-G

FIGURE 6-68. CAB GUARD INSTALLATION (FRONT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160506	Ref	Cab Guard Installation (Front)	G
2	4031910	2	Bolt, M8X30	
3	4811900	4	Washer, M8	
5	1001180263	1	Guard, Front Screen	
6	0700820	2	Bolt, M8X60	
7	1001173257	2	Spacer	

SECTION 6 - CAB

FIGURE 6-69. ROOF PIGTAIL CAP INSTALLATION



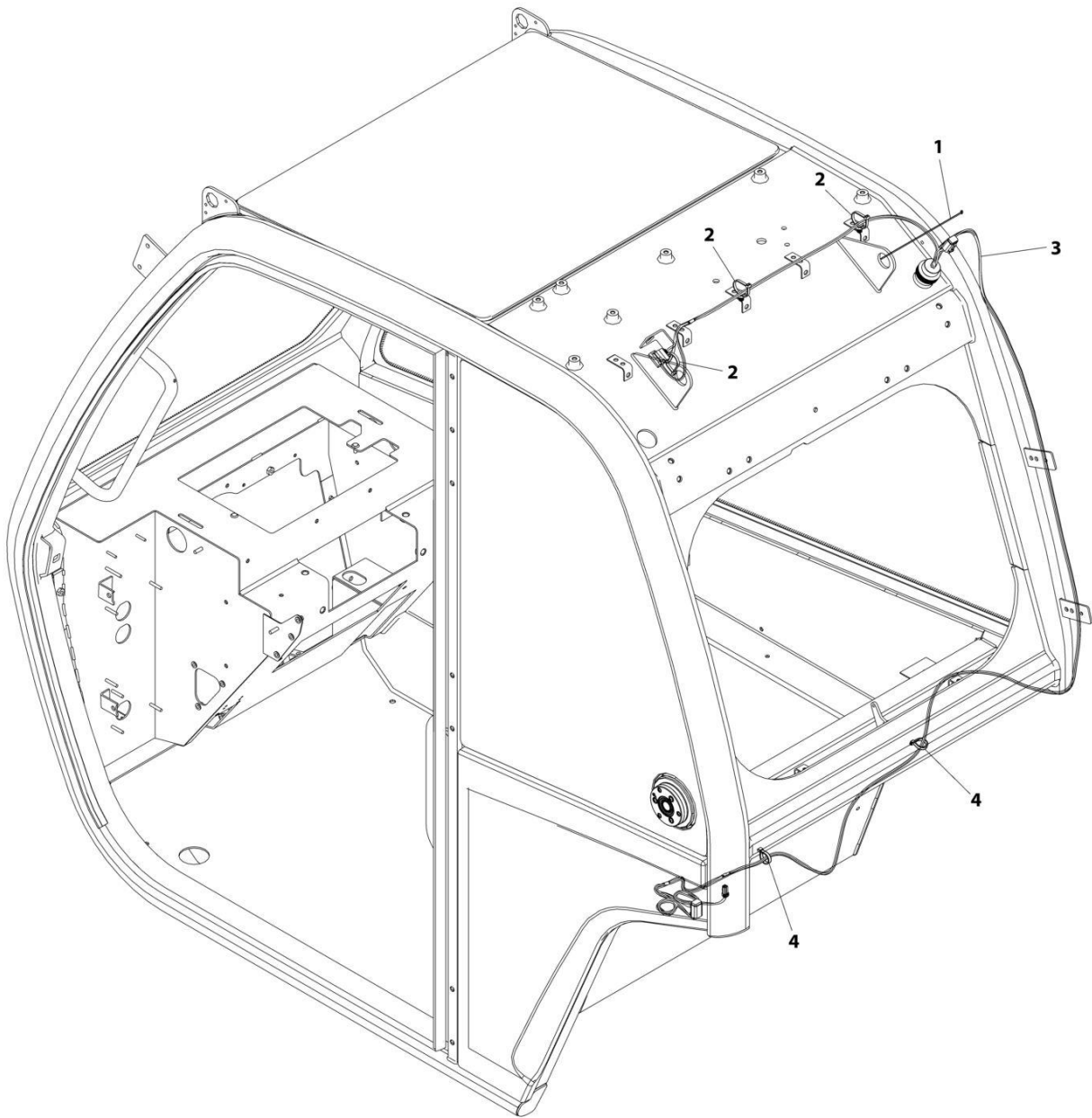
ART_1001202138-A

FIGURE 6-69. ROOF PIGTAIL CAP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001202138 1001202134	Ref 1	Roof Pigtail Cap Installation Cap, Deutsch Dust	A

SECTION 6 - CAB

FIGURE 6-70. ROOF PIGTAIL INSTALLATION



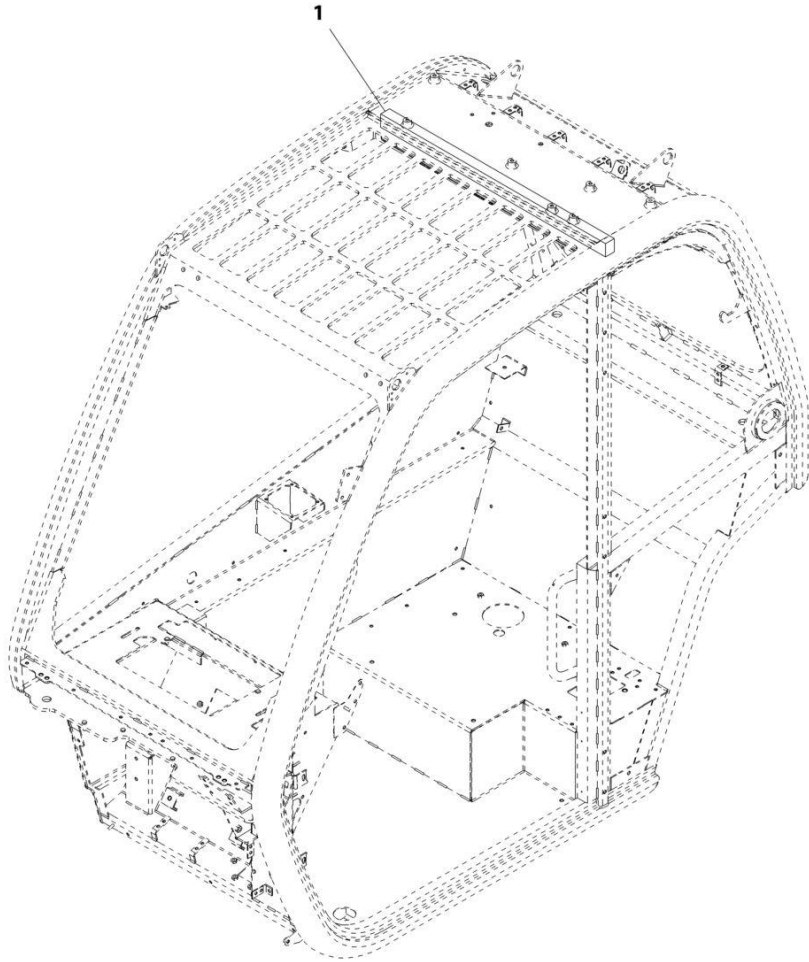
ART_1001202133_B

FIGURE 6-70. ROOF PIGTAIL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202133	Ref	Roof Pigtail Installation	B
1	4240033	1	Cable Tie	
2	1001146588	3	Strap	
3	1001265200	1	Harness, Roof Pigtail (See Separate Breakdown in ELECTRICAL Section)	
4	1001008559	2	Strap	

SECTION 6 - CAB

FIGURE 6-71. NO SUNSCREEN INSTALLATION



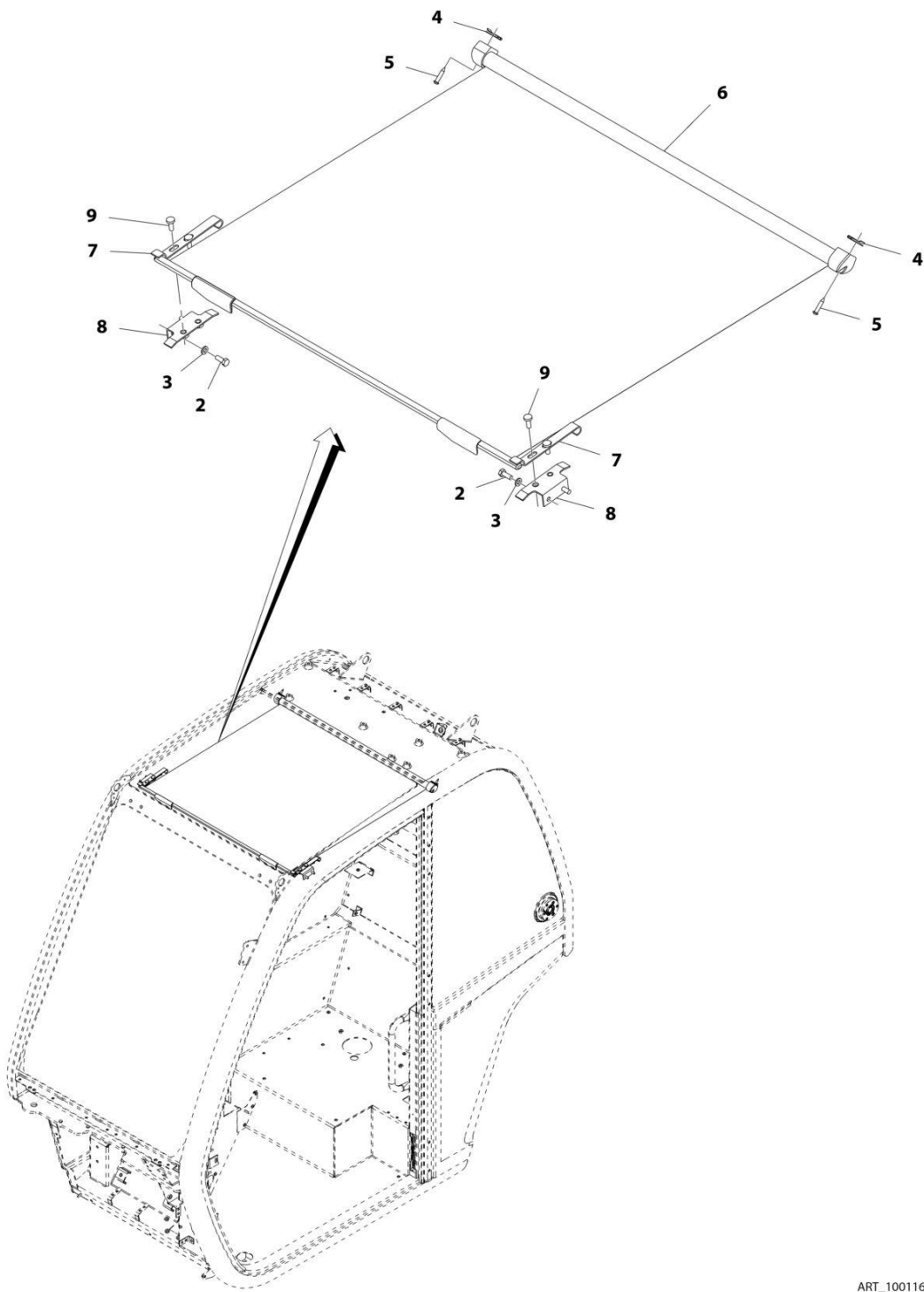
ART_1001211041-A

FIGURE 6-71. NO SUNSCREEN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001211041	Ref	No Sunscreen Installation	A
	1001208192	1	Seal, Foam	

SECTION 6 - CAB

FIGURE 6-72. RETRACTABLE SUNSCREEN INSTALLATION



ART_1001163151-G

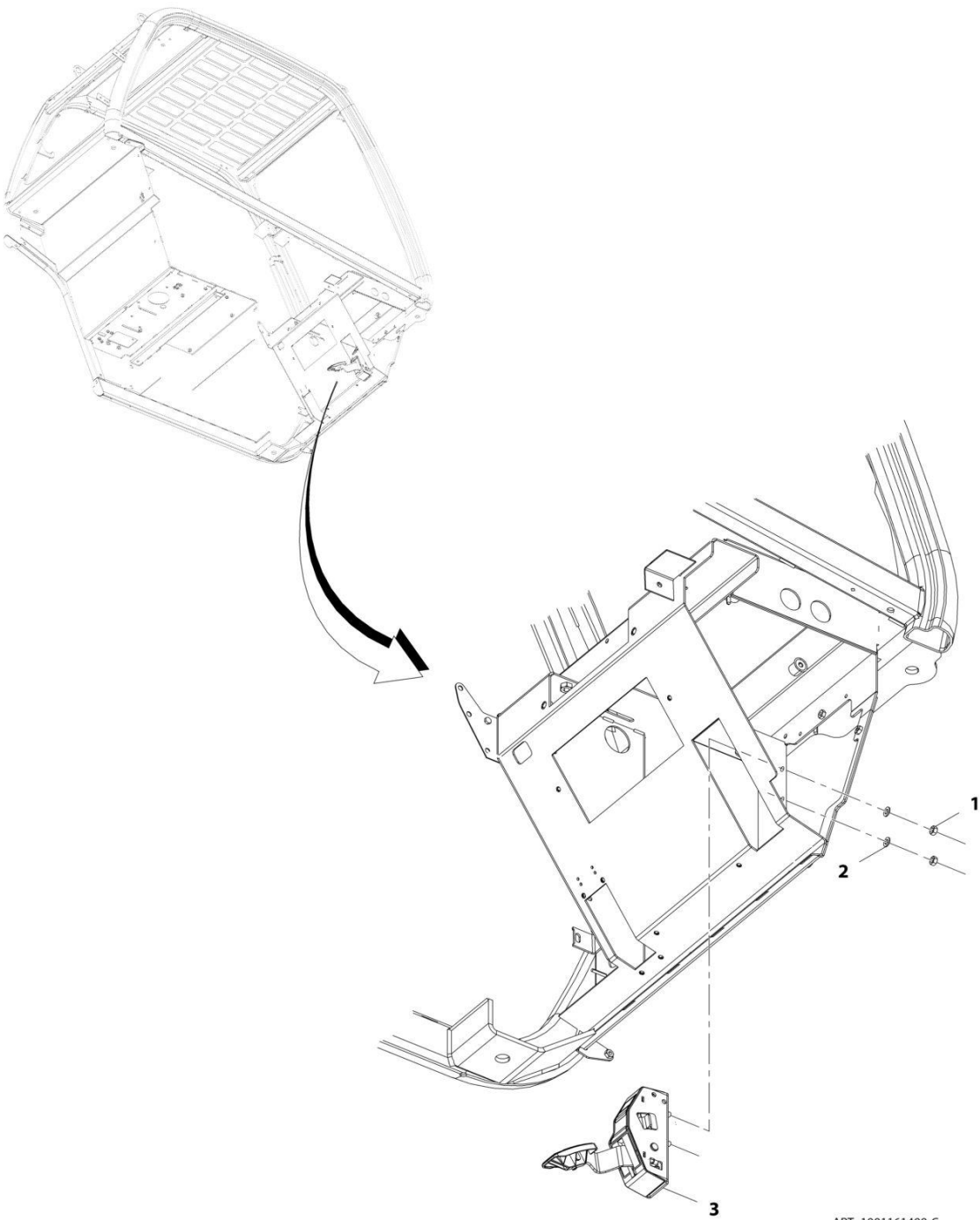
FIGURE 6-72. RETRACTABLE SUNSCREEN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163151	Ref	Retractable Sunscreen Installation	G
2	0760608	4	Bolt, M6X16	
3	4811700	4	Washer, M6	
4	1001111076	2	Nut	
5	1001111147	2	Screw	
6	1001163170	1	Cab, Screen Blind	
7	1001209463	2	Bracket, Sunscreen Mount	
8	1001166385	2	Bracket	
9	4010608002	4	Screw, M6X16	

SECTION 7 - CONTROLS

SECTION 7 - CONTROLS

FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION



ART_1001161499-C

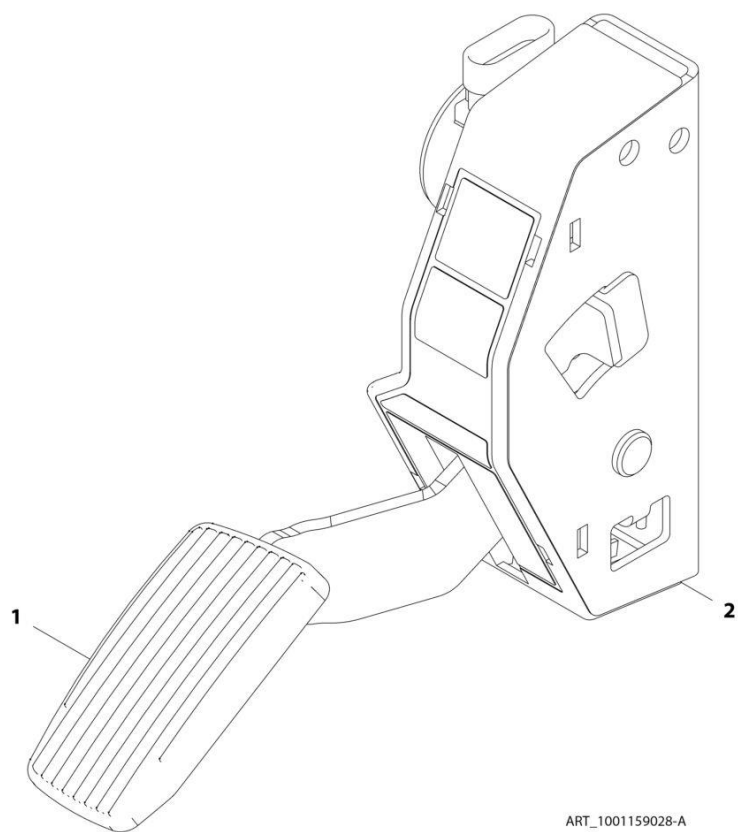
SECTION 7 - CONTROLS

FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161499	Ref	Accelerator Pedal Installation	C
1	3290801	2	Nut, M8X1.25	
2	4811900	2	Washer, M8	
3	1001159028	1	Pedal, Accelerator (See Separate Breakdown in this Section)	

SECTION 7 - CONTROLS

FIGURE 7-2. ACCELERATOR PEDAL



ART_1001159028-A

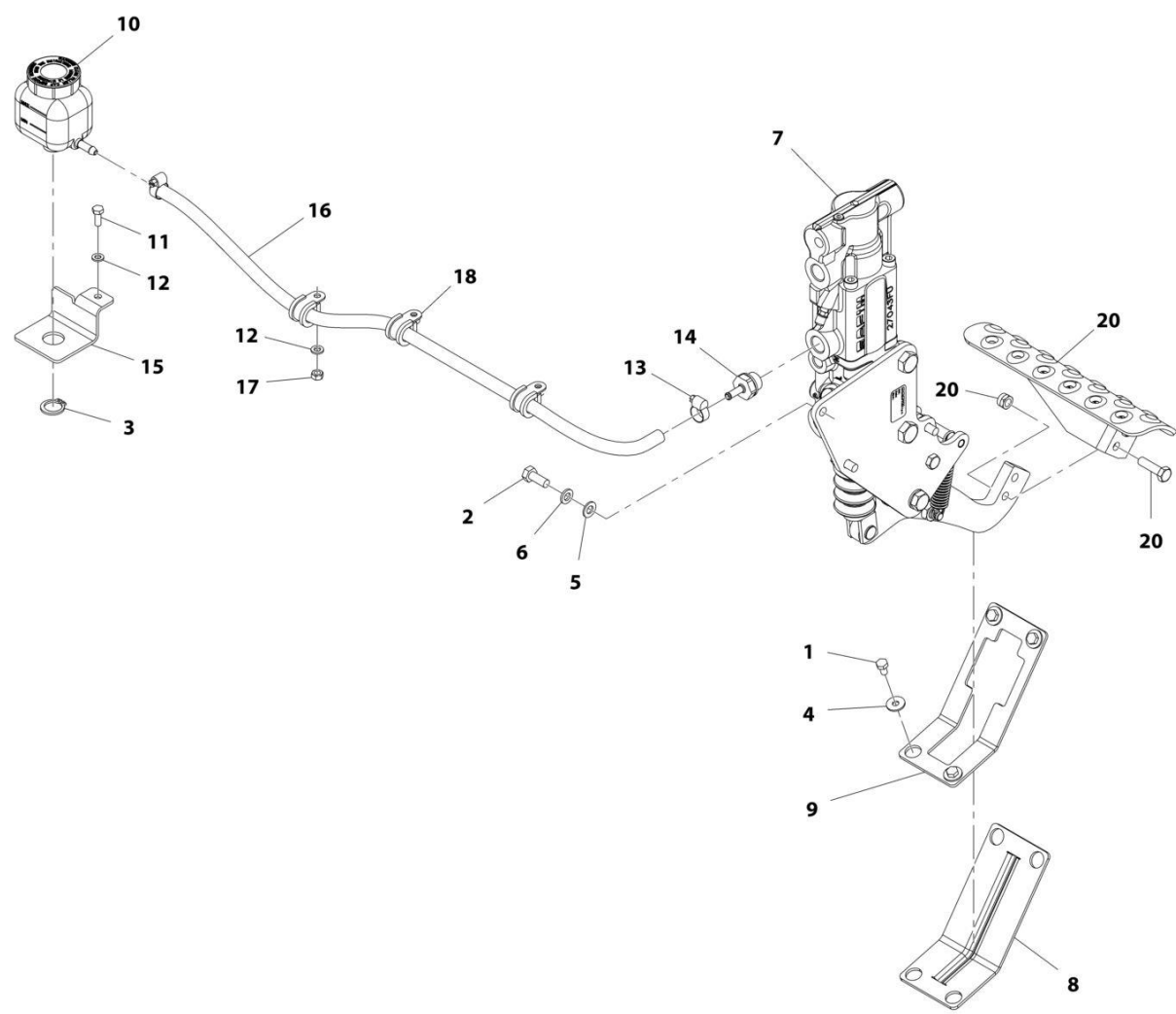
SECTION 7 - CONTROLS

FIGURE 7-2. ACCELERATOR PEDAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159028	Ref	Accelerator Pedal	A
1	70025816	1	Pad, Rubber	
2	70025817	1	Cover, Rubber	

SECTION 7 - CONTROLS

FIGURE 7-3. BRAKE PEDAL INSTALLATION



ART_1001204225-C

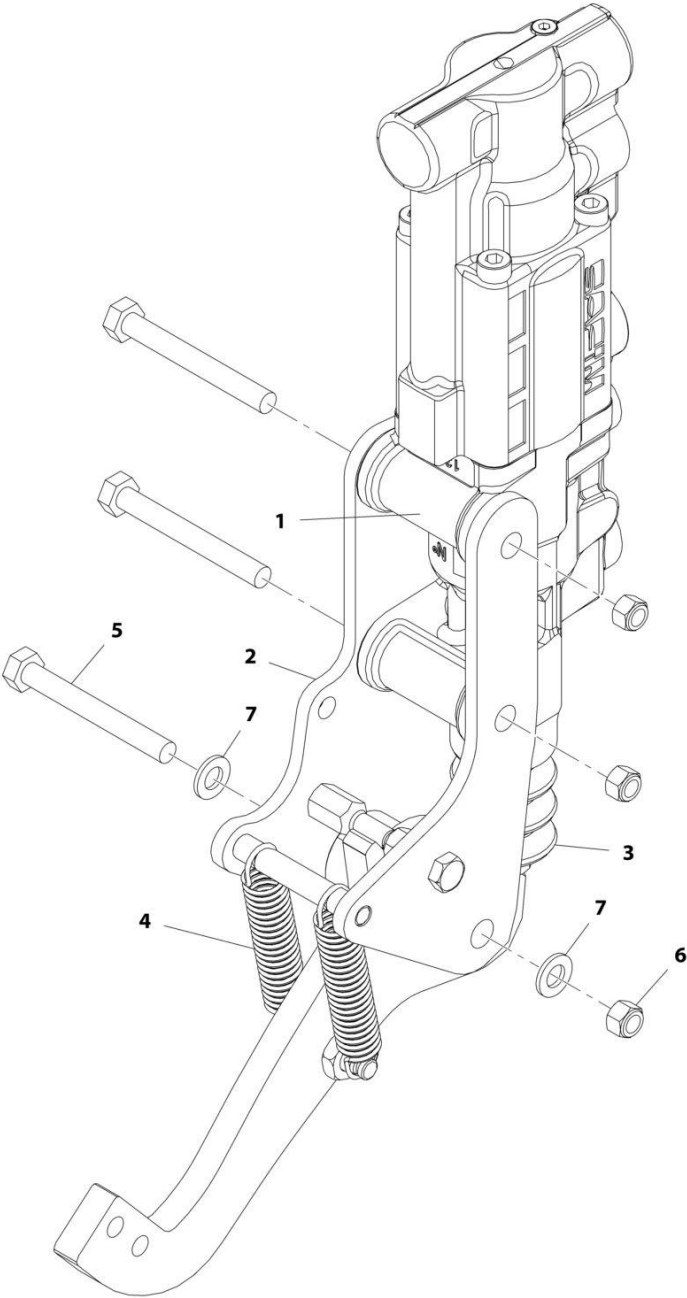
SECTION 7 - CONTROLS

FIGURE 7-3. BRAKE PEDAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204225	Ref	Brake Pedal Installation	C
1	0760605	4	Bolt, M6X10	
2	0760810	3	Bolt, M8X20	
3	3760348	1	Ring, Retaining	
4	4811702	4	Washer, M6	
5	4811900	3	Washer, M8	
6	4831900	3	Washer, Lock M8	
7	1001197138	1	Pedal, Brake (See Separate Breakdown in this Section)	
8	1001162920	1	Gasket, Brake Pedal	
9	1001162922	1	Plate	
10	1001214220	1	Reservoir, Brake	
11	0760608	1	Bolt, M6X16	
12	4811700	4	Washer, M6	
13	8405009	2	Clamp, Gear	
14	1001171874	1	Fitting, Hose Barb	
15	1001172088	1	Bracket, Brake Reservoir	
16	1001172094	1	Hose, Brake Reservoir	
17	3290601	3	Nut, M6X1	
18	1001170231	3	Clip, M6X15	
20	1001197139	1	Plate, Brake Pedal (See Separate Breakdown in this Section)	

SECTION 7 - CONTROLS

FIGURE 7-4. BRAKE PEDAL



ART_1001197138-D

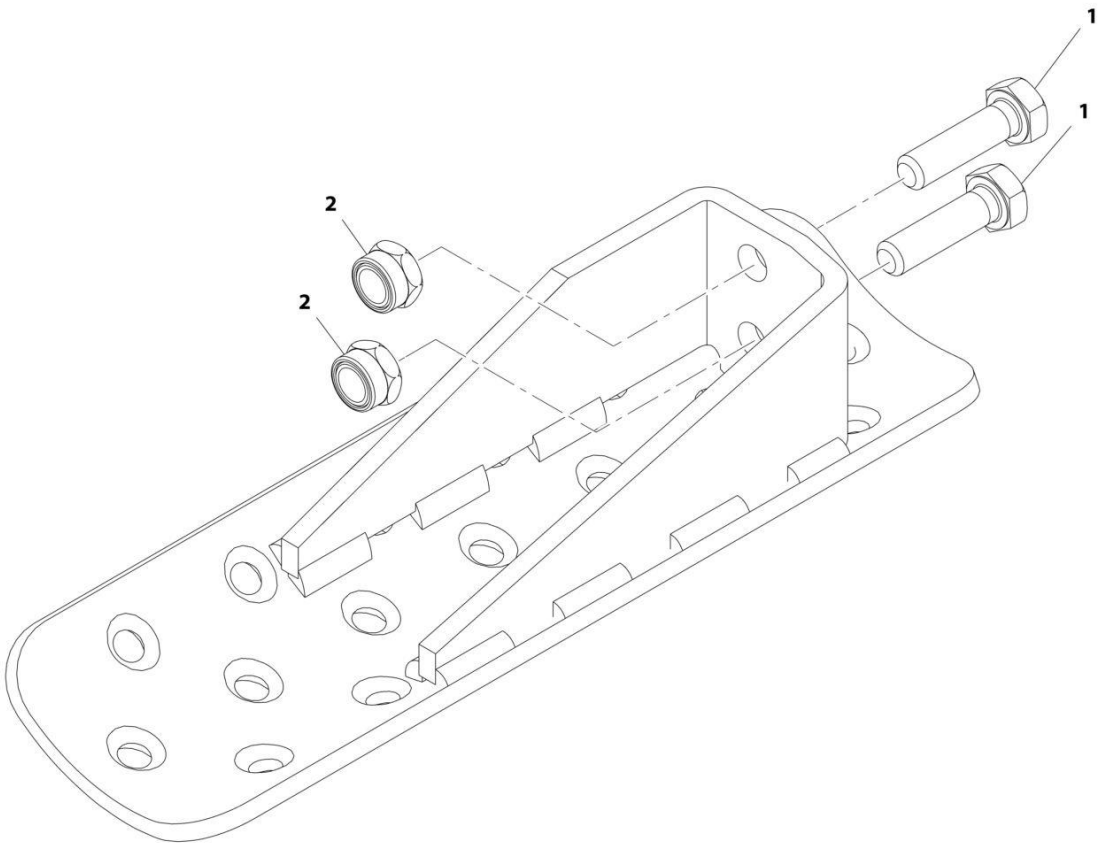
SECTION 7 - CONTROLS

FIGURE 7-4. BRAKE PEDAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197138	Ref	Brake Pedal	D
1	70026432	1	Cylinder, Master	
2	70026433	1	Support	
3	70025859	1	Cover, Dust	
4	70025860	2	Spring, Return	
5	0701226	3	Bolt, M12X90	
6	3291205	3	Nut, Lock M12X1.75	
7	4812100	2	Washer, M12	

SECTION 7 - CONTROLS

FIGURE 7-5. BRAKE PEDAL PLATE



ART_1001197139-A

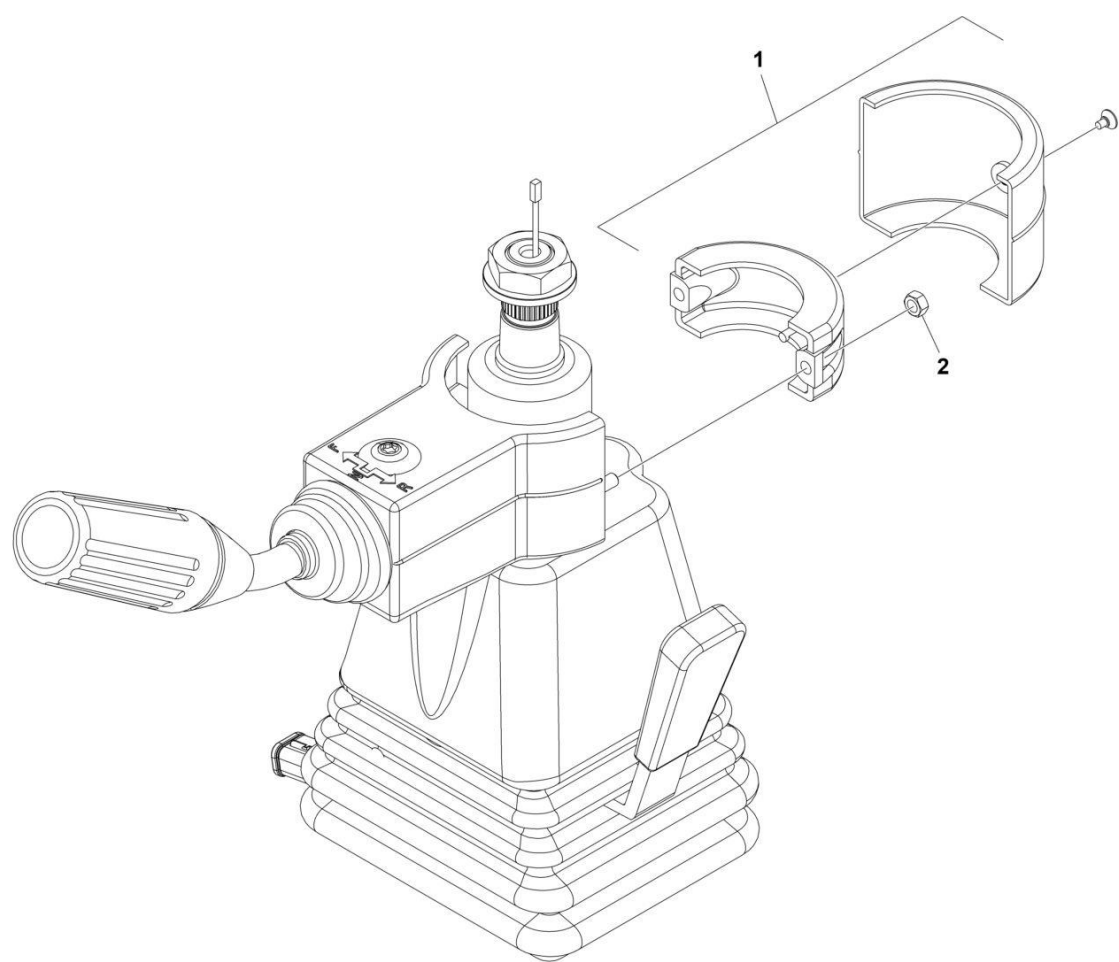
SECTION 7 - CONTROLS

FIGURE 7-5. BRAKE PEDAL PLATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197139	Ref	Brake Pedal Plate	A
1	0770814	1	Bolt, M8X30 Grade 10.9	
2	3290805	1	Nut, Lock M8X1.25 Grade 8	

SECTION 7 - CONTROLS

FIGURE 7-6. COLUMN CLAMP INSTALLATION



ART_1001182671_E

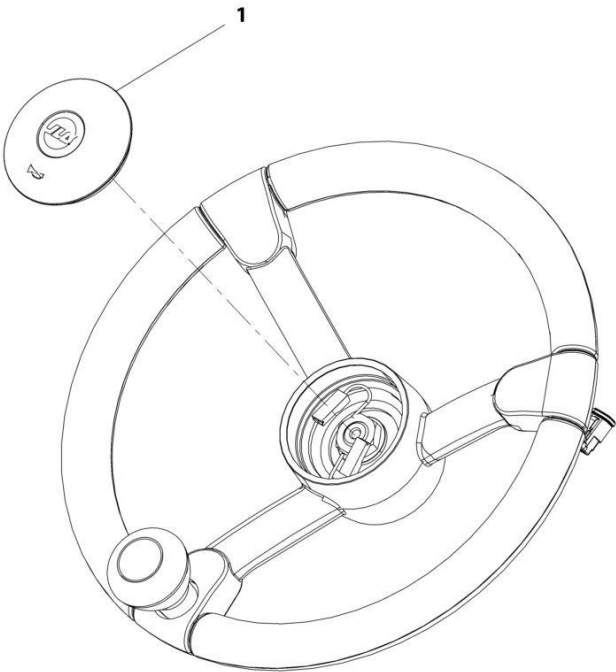
SECTION 7 - CONTROLS

FIGURE 7-6. COLUMN CLAMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182671	Ref	Column Clamp Installation	E
1	1001146949	1	Clamp	
2	3290505	2	Nut, Lock M5	

SECTION 7 - CONTROLS

FIGURE 7-7. HORN BUTTON INSTALLATION



ART_1001169763-A

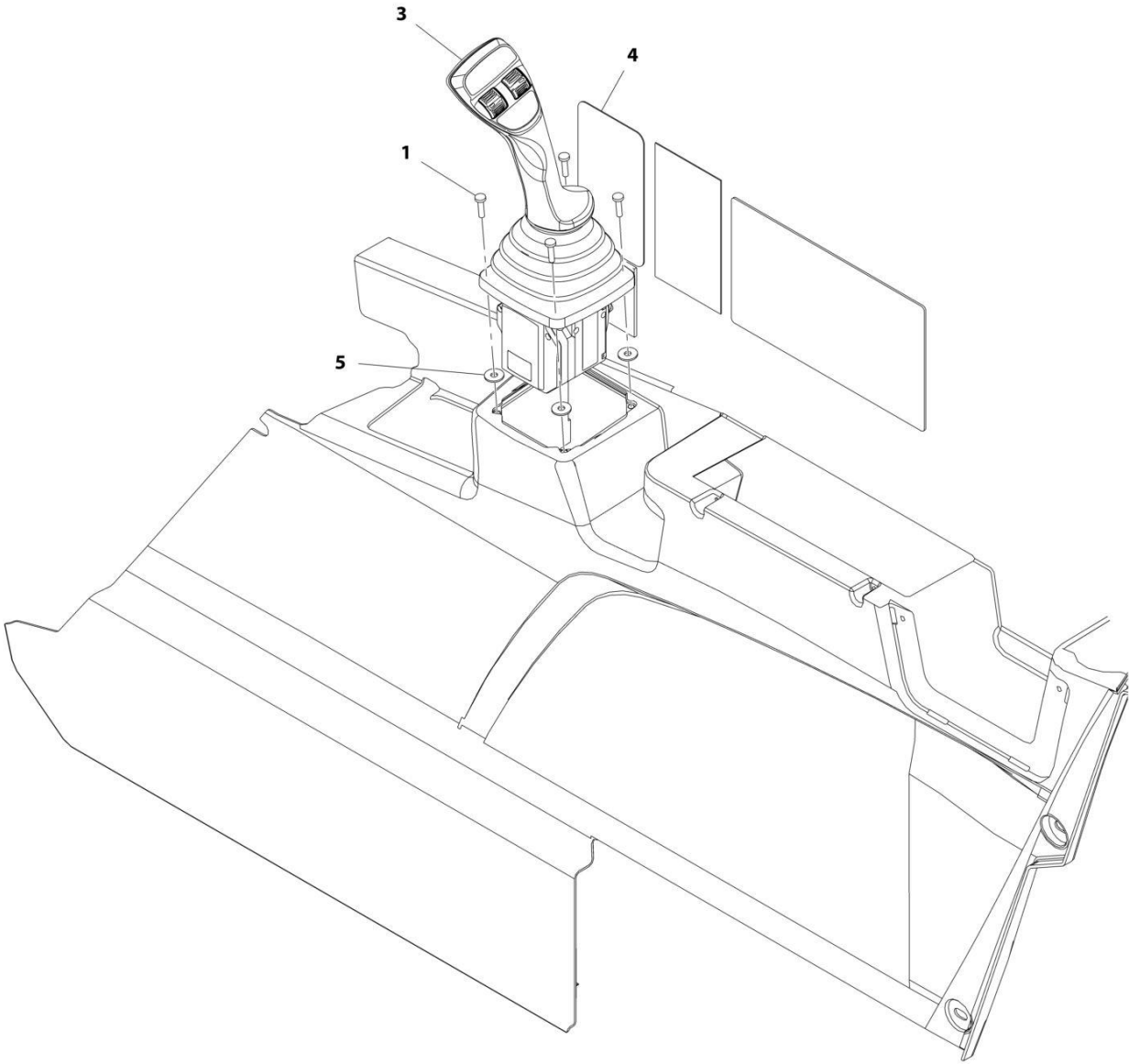
SECTION 7 - CONTROLS

FIGURE 7-7. HORN BUTTON INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001169763	Ref	Horn Button Installation	A
	1001169268	1	Button, Horn	

SECTION 7 - CONTROLS

FIGURE 7-8. JOYSTICK INSTALLATION (ELOBAU BRAND)



ART_1001167001-E

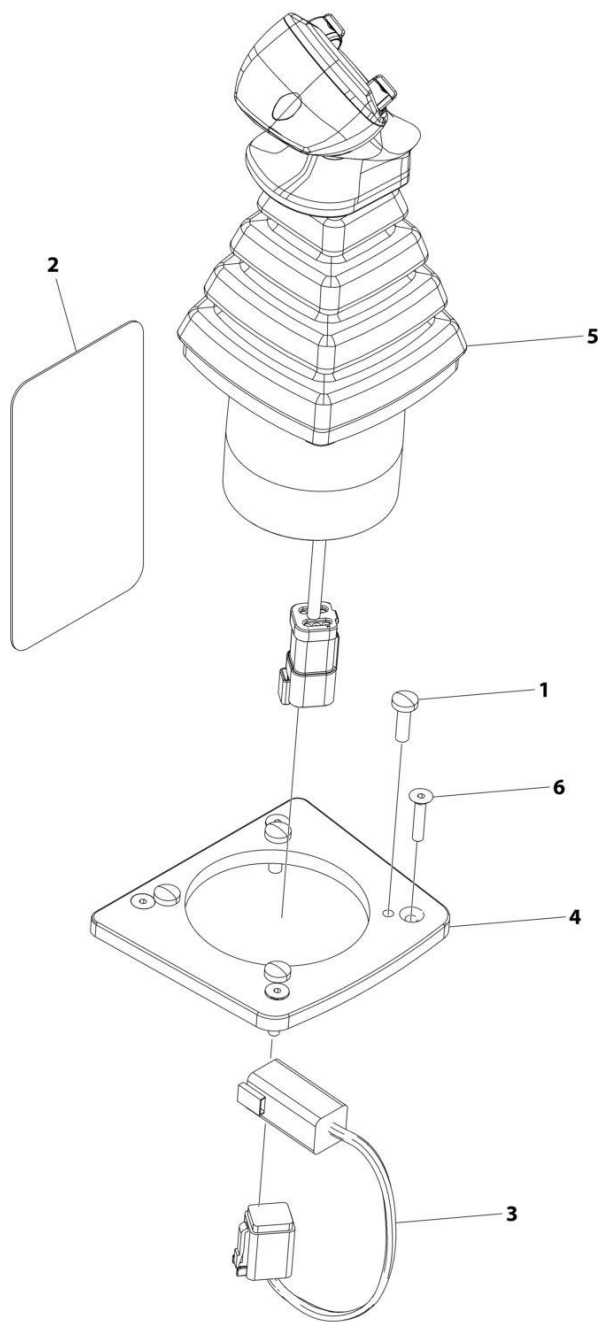
SECTION 7 - CONTROLS

FIGURE 7-8. JOYSTICK INSTALLATION (ELOBAU BRAND)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167001	Ref	Joystick Installation (2 Roller, 0 Button)	E
1	4010510	4	Screw, M5X20	
3	1001222609	1	Joystick (See Separate Breakdown in this Section)	
4	1001181543	1	Decal, Joystick	
5	4811702001	AR	Washer	

SECTION 7 - CONTROLS

FIGURE 7-9. JOYSTICK INSTALLATION (BOSCH/REXROTH BRAND)



ART_1001298454

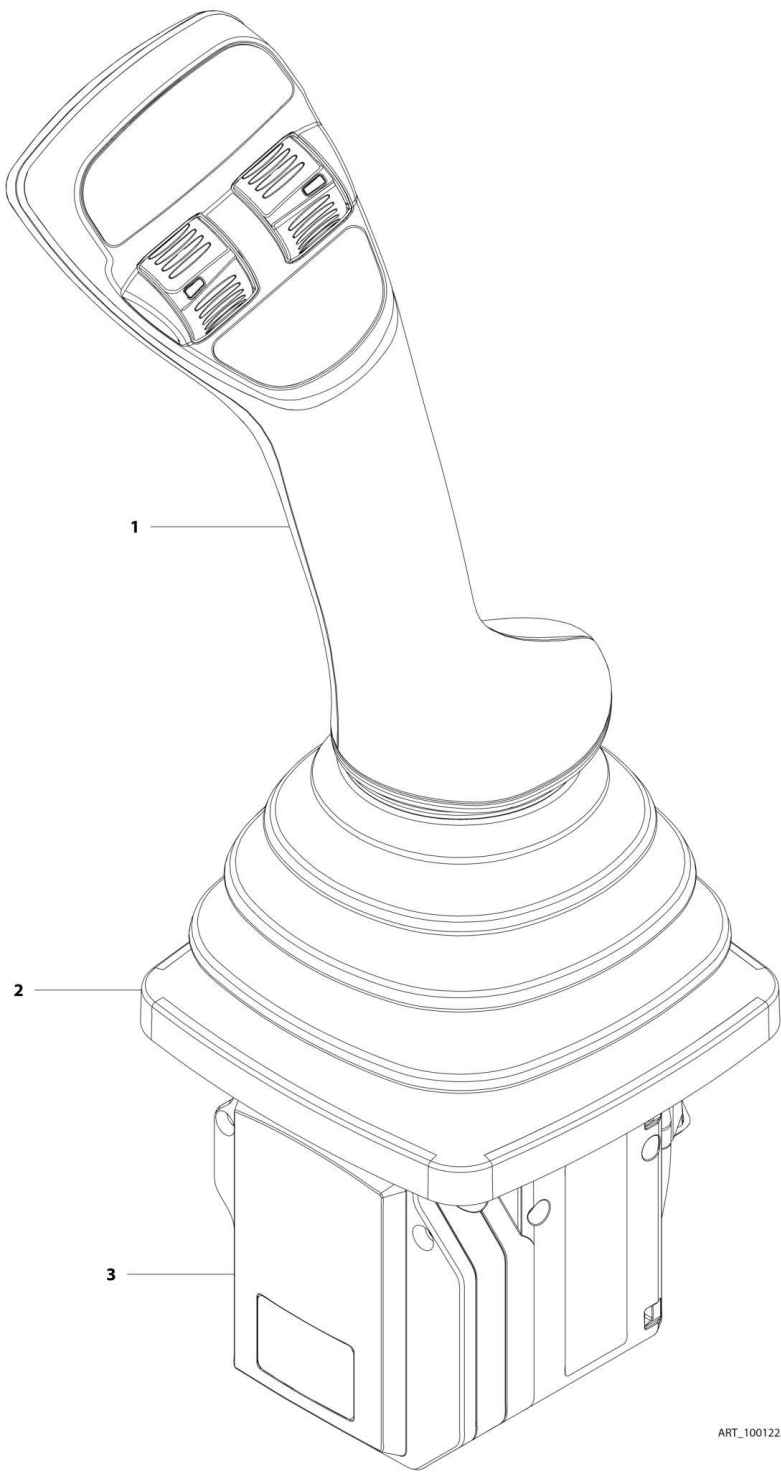
SECTION 7 - CONTROLS

FIGURE 7-9. JOYSTICK INSTALLATION (BOSCH/REXROTH BRAND)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001298454	Ref	JOYSTICK INSTALLATION	A
1	4010610	4	Bolt M6 x 20	
2	1001181543	1	Decal – Joystick	
3	1001297247	1	Joystick Harness (See Separate Breakdown in ELECTRICAL Section)	
4	1001297803	1	Plate	
5	1001298306	1	Joystick Assembly (See Separate Breakdown in this Section)	
6	1001298623	4	Bolt M5 x 25	

SECTION 7 - CONTROLS

FIGURE 7-10. JOYSTICK ASSEMBLY (ELOBAU BRAND)



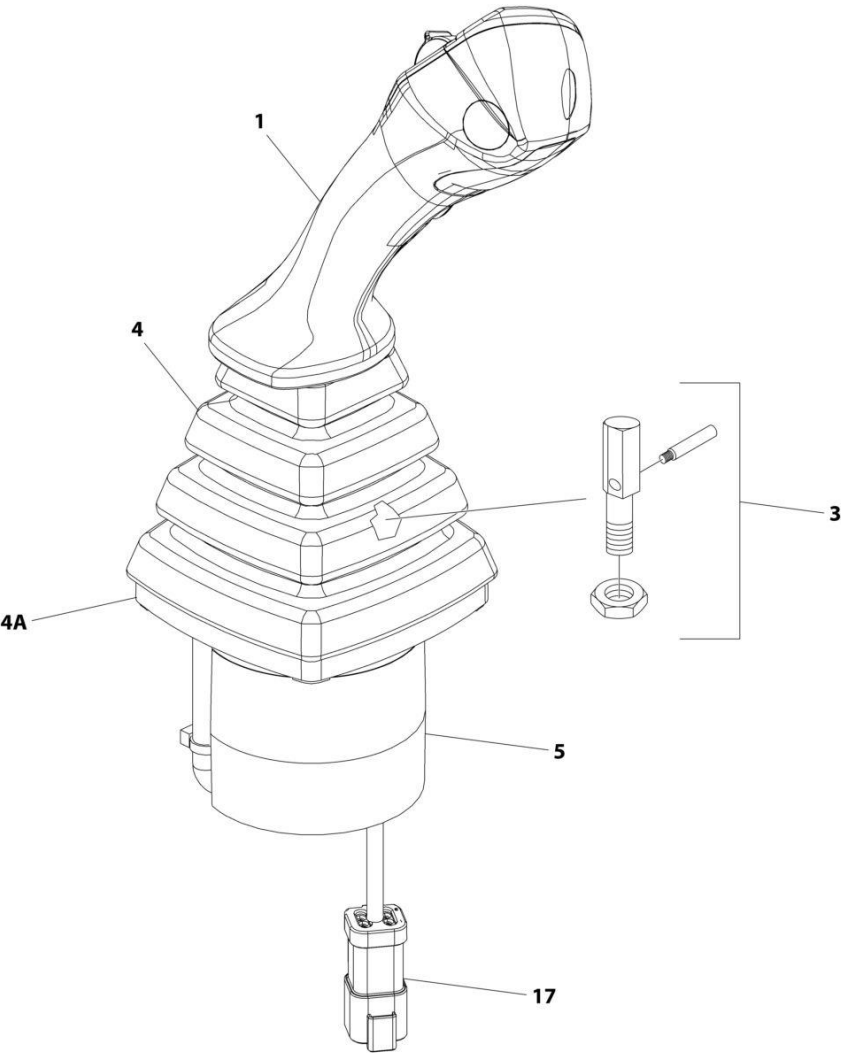
SECTION 7 - CONTROLS

FIGURE 7-10. JOYSTICK ASSEMBLY (ELOBAU BRAND)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222609	Ref	Joystick	A
1	70026257	1	Handle, Joystick	
2	70025844	1	Gaiter	
3	70026258	1	Base, Joystick	

SECTION 7 - CONTROLS

FIGURE 7-11. JOYSTICK ASSEMBLY (BOSCH BRAND)



ART_1001298306

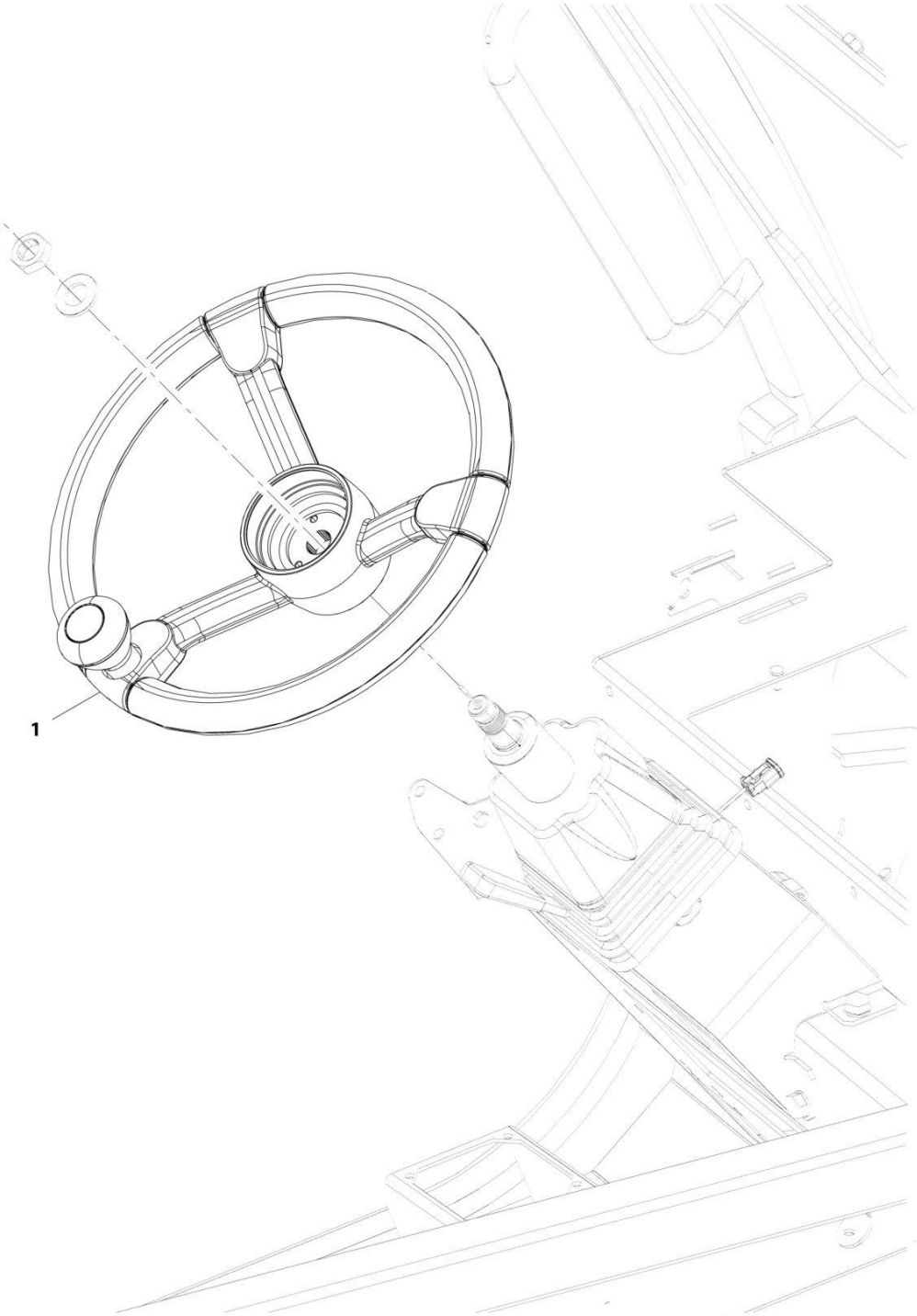
SECTION 7 - CONTROLS

FIGURE 7-11. JOYSTICK ASSEMBLY (BOSCH BRAND)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001298306	Ref	JOYSTICK ASSEMBLY	B
1	70031450	1	Grip	
3	70020770	1	Lever Kit	
4	70031451	1	Boot	
4A	70031452	1	Base, Boot	
5	See Note	NSS	Base (Note: Purchase PN 1001298306)	
17	70031453	1	Connector Kit	

SECTION 7 - CONTROLS

FIGURE 7-12. STEERING WHEEL INSTALLATION



ART_1001169751-C

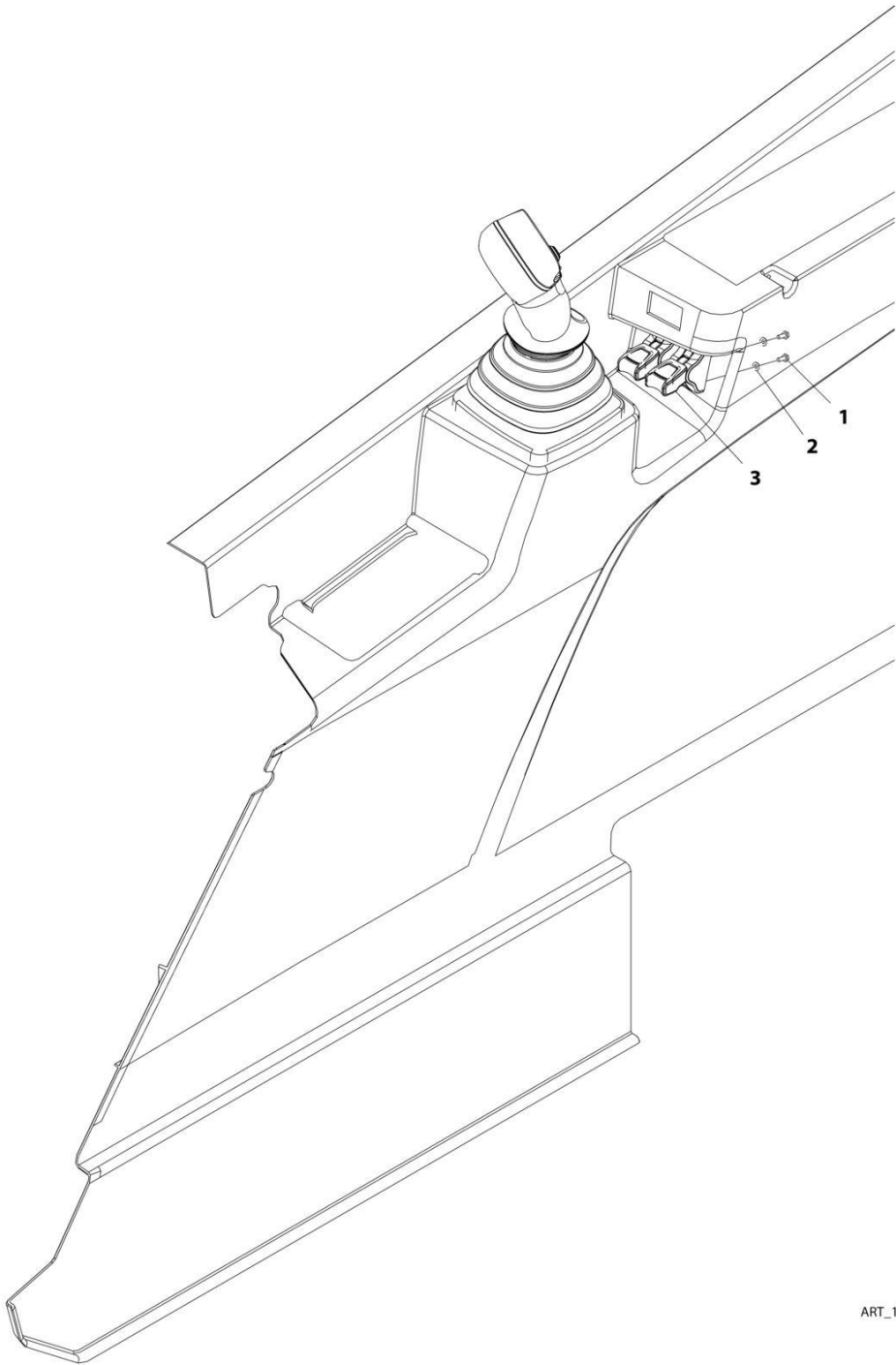
SECTION 7 - CONTROLS

FIGURE 7-12. STEERING WHEEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001169751	Ref	Steering Wheel Installation	C
	1001169354	1	Wheel, Steering (See Separate Breakdown in this Section)	

SECTION 7 - CONTROLS

FIGURE 7-13. OUTRIGGER SWITCHES INSTALLATION



ART_1001174478-C

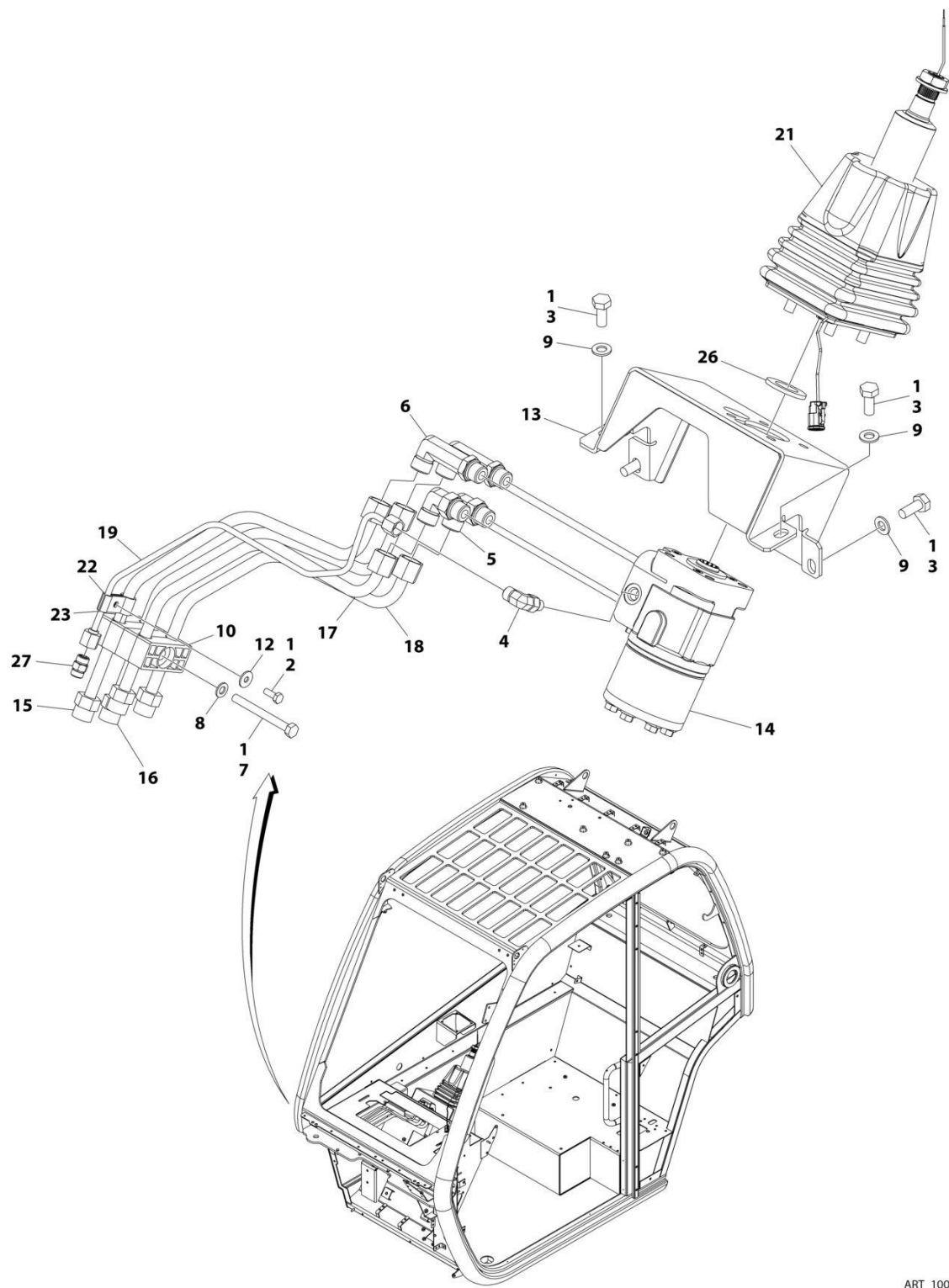
SECTION 7 - CONTROLS

FIGURE 7-13. OUTRIGGER SWITCHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174478	Ref	Outrigger Switches Installation	C
1	0760304	4	Bolt, M3X8 GR8.8	
2	1001110544	4	Washer, M3	
3	1001242098	2	Control, Fingertip Joystick	

SECTION 7 - CONTROLS

FIGURE 7-14. STEERING COLUMN INSTALLATION



ART_1001155307_G

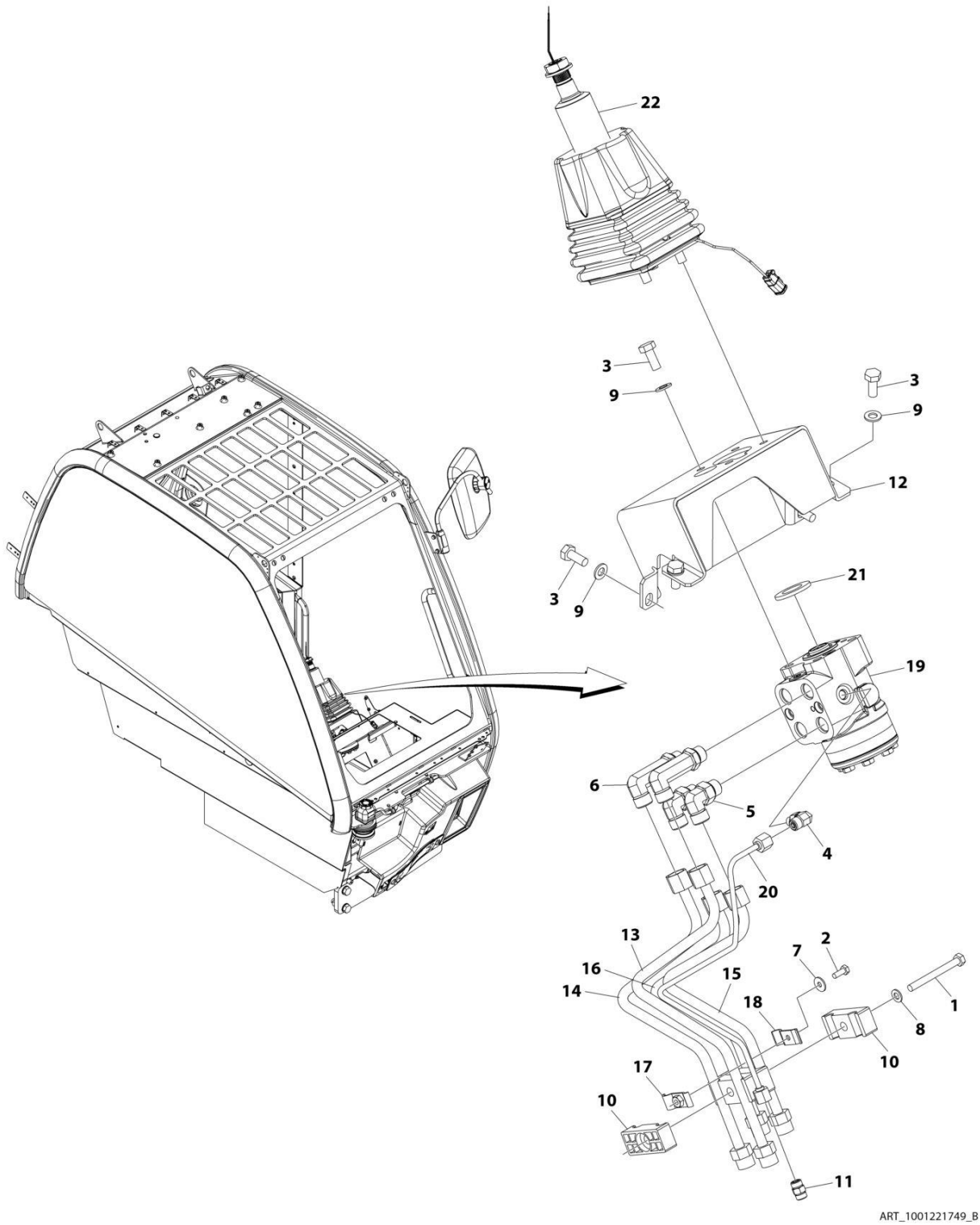
SECTION 7 - CONTROLS

FIGURE 7-14. STEERING COLUMN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155307	Ref	Steering Column Installation	G
1	1001095650	AR	Compound, Locking	
2	0760608	1	Bolt, M6X16	
3	0761012	8	Bolt, M10X25	
4	2130404	1	Fitting, 90 ORFS	
5	2130808	2	Fitting, 90 ORFS	
6	2170208	2	Fitting, 90 ORFS	
7	0700824	1	Bolt, M8X80	
8	4811900	1	Washer, M8	
9	4812000	8	Washer, M10	
10	1001004640	4	Clamp	
12	4811702	1	Washer, M6	
13	1001156265	1	Cab, Steering Column Support	
14	1001158527	1	Valve, Steering (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
15	1001161672	1	Pipe	
16	1001161896	1	Pipe	
17	1001161897	1	Pipe	
18	1001161898	1	Pipe	
19	1001162979	1	Pipe	
21	1001256952	1	Column, Steering	
22	1001168142	1	Bracket	
23	1001168151	1	Bracket	
26	1001214480	1	Washer	
27	1001143857	1	Adaptor	

SECTION 7 - CONTROLS

FIGURE 7-15. EMERGENCY STEERING COLUMN INSTALLATION



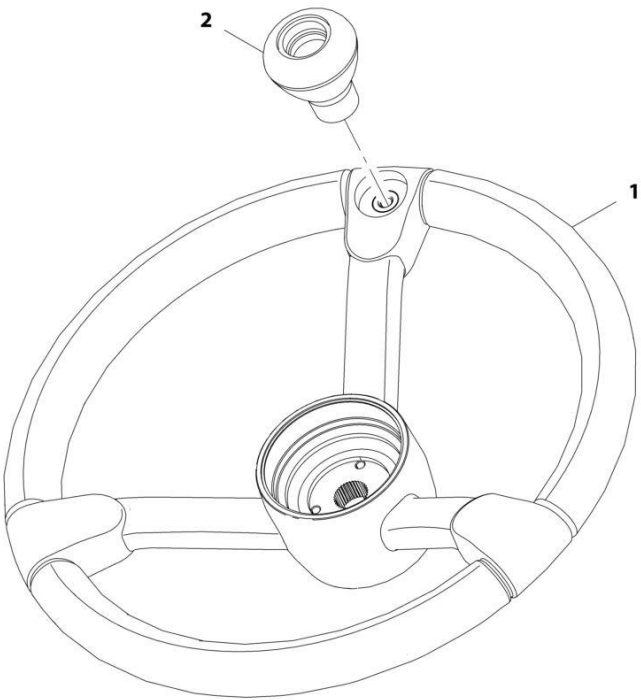
SECTION 7 - CONTROLS

FIGURE 7-15. EMERGENCY STEERING COLUMN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221749	Ref	Emergency Steering Column Installation	B
1	0700824	1	Bolt, M8X80	
2	0760608	1	Bolt, M6X16	
3	0761012	8	Bolt, M10X25	
4	2130404	1	Fitting, 90 ORFS	
5	2130808	2	Fitting, 90 ORFS	
6	2170208	2	Fitting, 90 ORFS	
7	4811702	1	Washer, M6	
8	4811900	1	Washer, M8	
9	4812000	8	Washer, M10	
10	1001004640	4	Clamp	
11	1001143857	1	Adapter	
12	1001156265	1	Cab, Steering Column Support	
13	1001161672	1	Pipe	
14	1001161896	1	Pipe	
15	1001161897	1	Pipe	
16	1001161898	1	Pipe	
17	1001168142	1	Bracket	
18	1001168151	1	Bracket	
19	1001178670	1	Valve, Steering (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
20	1001194282	1	Pipe	
21	1001214480	1	Washer	
22	1001256952	1	Column, Steering	

SECTION 7 - CONTROLS

FIGURE 7-16. STEERING WHEEL



ART_1001169354-D

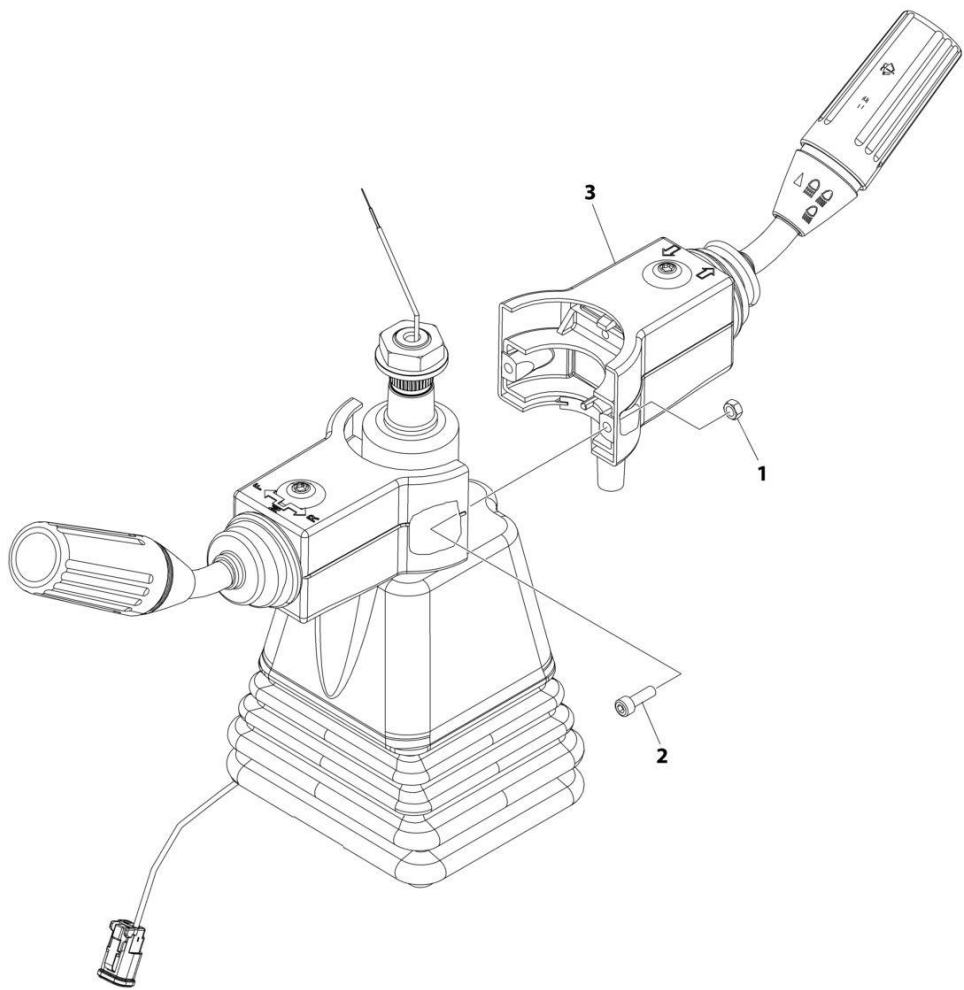
SECTION 7 - CONTROLS

FIGURE 7-16. STEERING WHEEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169354	Ref	Steering Wheel	D
1	1001169367	1	Wheel, Steering	
2	1001169355	1	Handle, Steer Spinner	

SECTION 7 - CONTROLS

FIGURE 7-17. WIPER-TURN SWITCH



ART_1001257071

SECTION 7 - CONTROLS

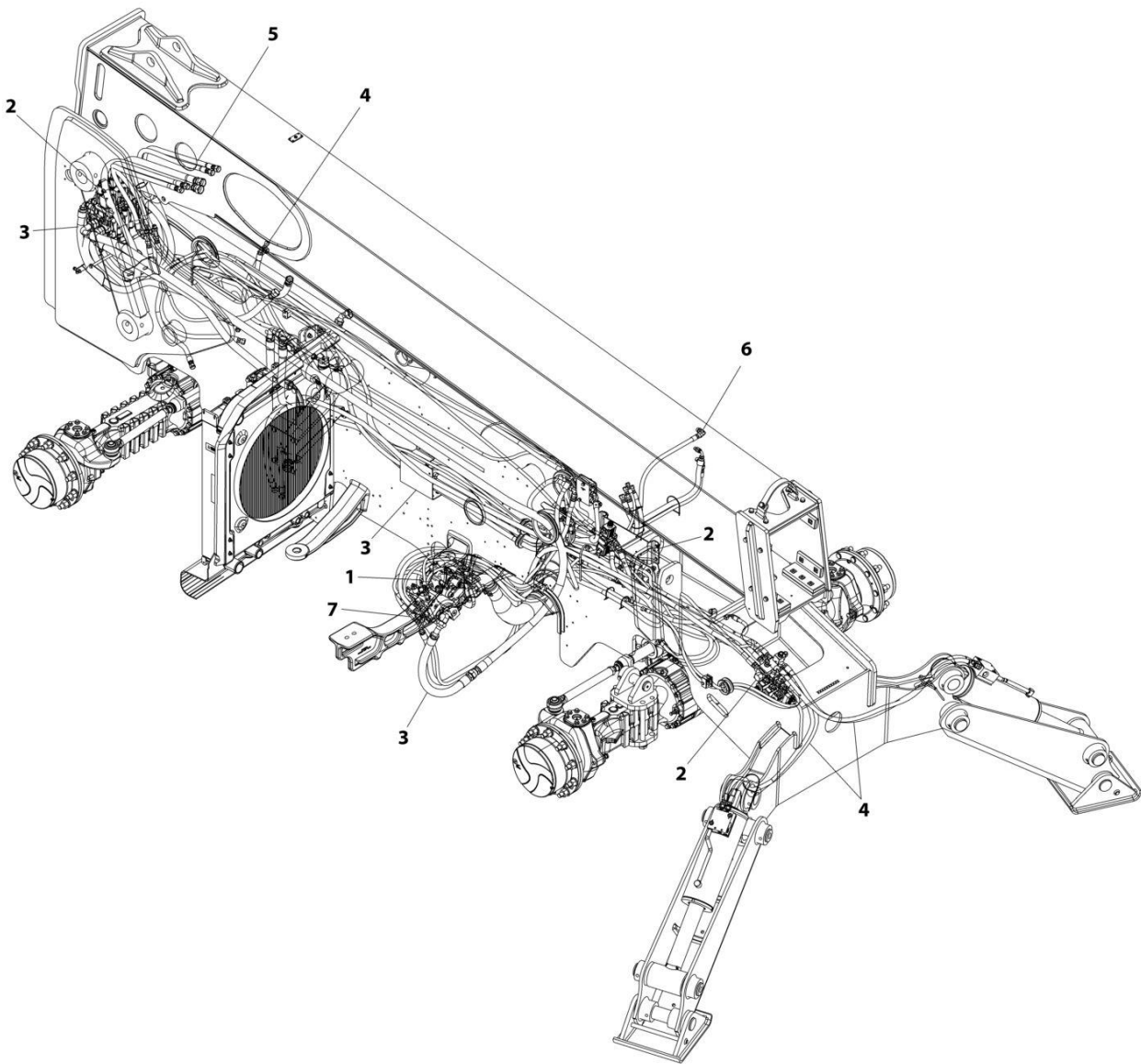
FIGURE 7-17. WIPER-TURN SWITCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257071	Ref	Wiper-Turn Switch Installation	B
1	3290505	2	Nut, Lock M5	
2	4031607	2	Capscrew M5 x 16	
3	1001256974	1	Switch, Turn-Wiper	

SECTION 8 - HYDRAULIC CIRCUITS

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. MAIN HYDRAULIC INSTALLATION (OUTRIGGERS)



ART_1001227386_B

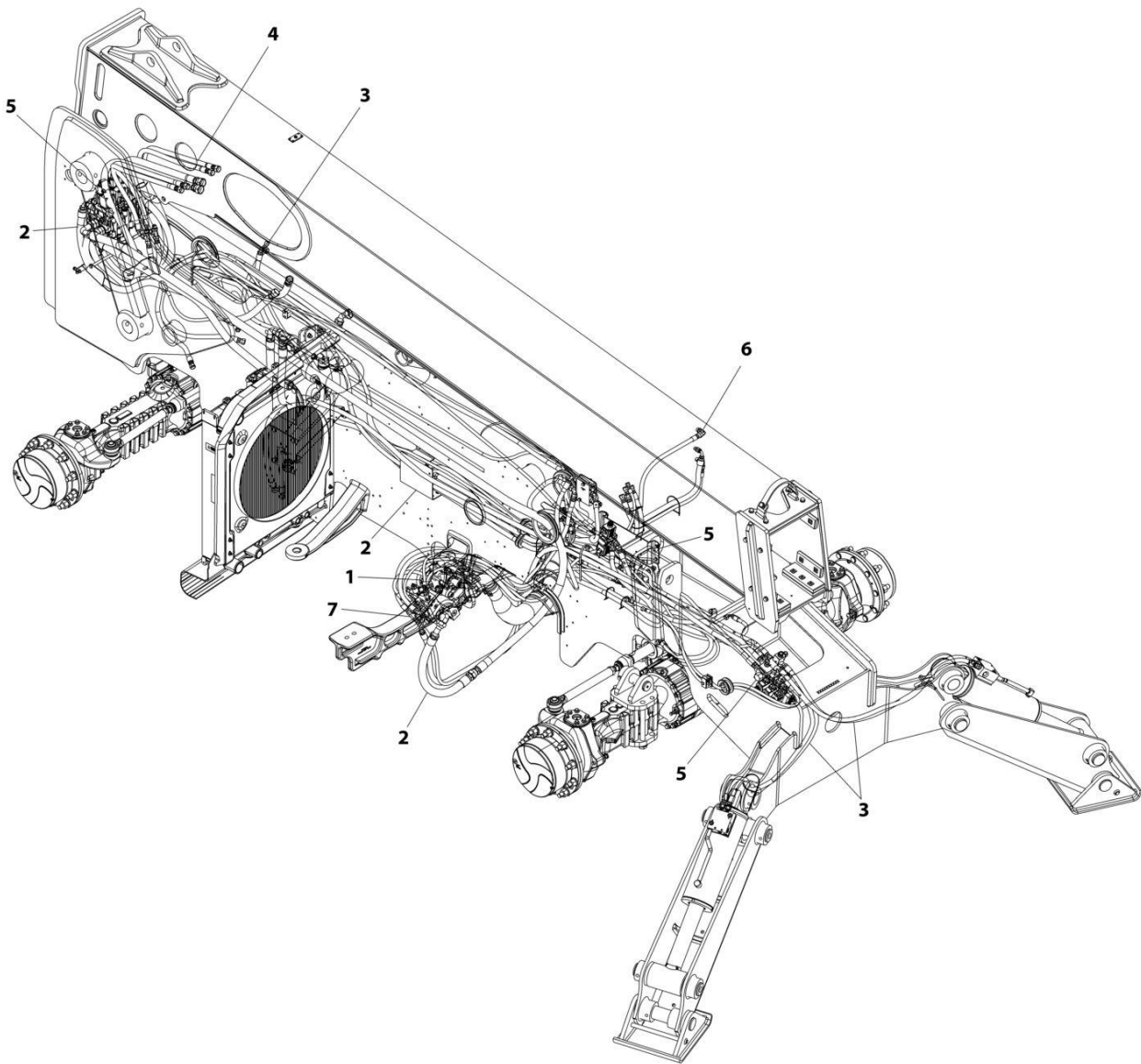
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. MAIN HYDRAULIC INSTALLATION (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001227386	Ref	Main Hydraulic Installation (Outriggers)	B
	1001162670	Ref	Installation, Piston Pump (See Separate Breakdown in this Section)	
2	1001225749	Ref	Installation, Valve (See Separate Breakdown in this Section)	
3	1001227497	Ref	Installation, Main Hydraulics (See Separate Breakdown in this Section)	
4	1001168469	Ref	Installation, Frame Level Hydraulics (See Separate Breakdown in this Section)	
5	1001170100	Ref	Installation, Boom Hydraulic (See Separate Breakdown in this Section)	
6	1001175789	Ref	Installation, Cab Hydraulics (See Separate Breakdown in this Section)	
7	1001161308	Ref	Installation, Priority Manifold Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-2. MAIN HYDRAULIC INSTALLATION, EMERGENCY STEERING (OUTRIGGERS)



ART_1001227388_B

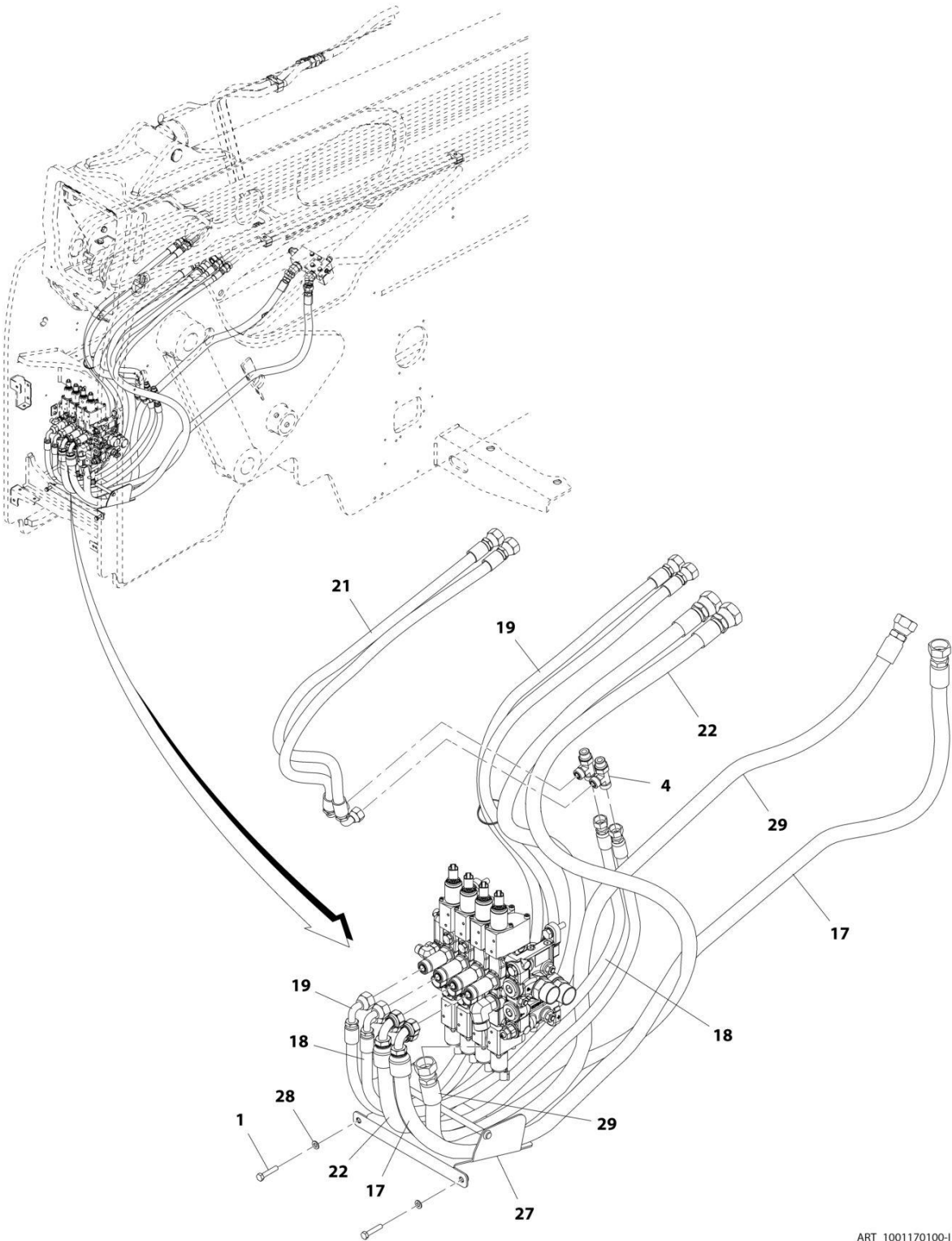
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-2. MAIN HYDRAULIC INSTALLATION, EMERGENCY STEERING (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001227388	Ref	Main Hydraulic Installation, Emergency Steering (Outriggers)	B
	1001162670	Ref	Installation, Piston Pump (See Separate Breakdown in this Section)	
2	1001227497	Ref	Installation, Hydraulic Lines (74HP) (See Separate Breakdown in this Section)	
3	1001168469	Ref	Installation, Frame Level Hydraulics (Outriggers) (See Separate Breakdown in this Section)	
4	1001170100	Ref	Installation, Boom Hydraulic (See Separate Breakdown in this Section)	
5	1001225749	Ref	Installation, Valve (See Separate Breakdown in this Section)	
6	1001226575	Ref	Installation, Cab Hydraulic, Emergency Steering (See Separate Breakdown in this Section)	
7	1001161308	Ref	Installation, Priority Manifold Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-3. BOOM HYDRAULIC INSTALLATION



ART_1001170100-I

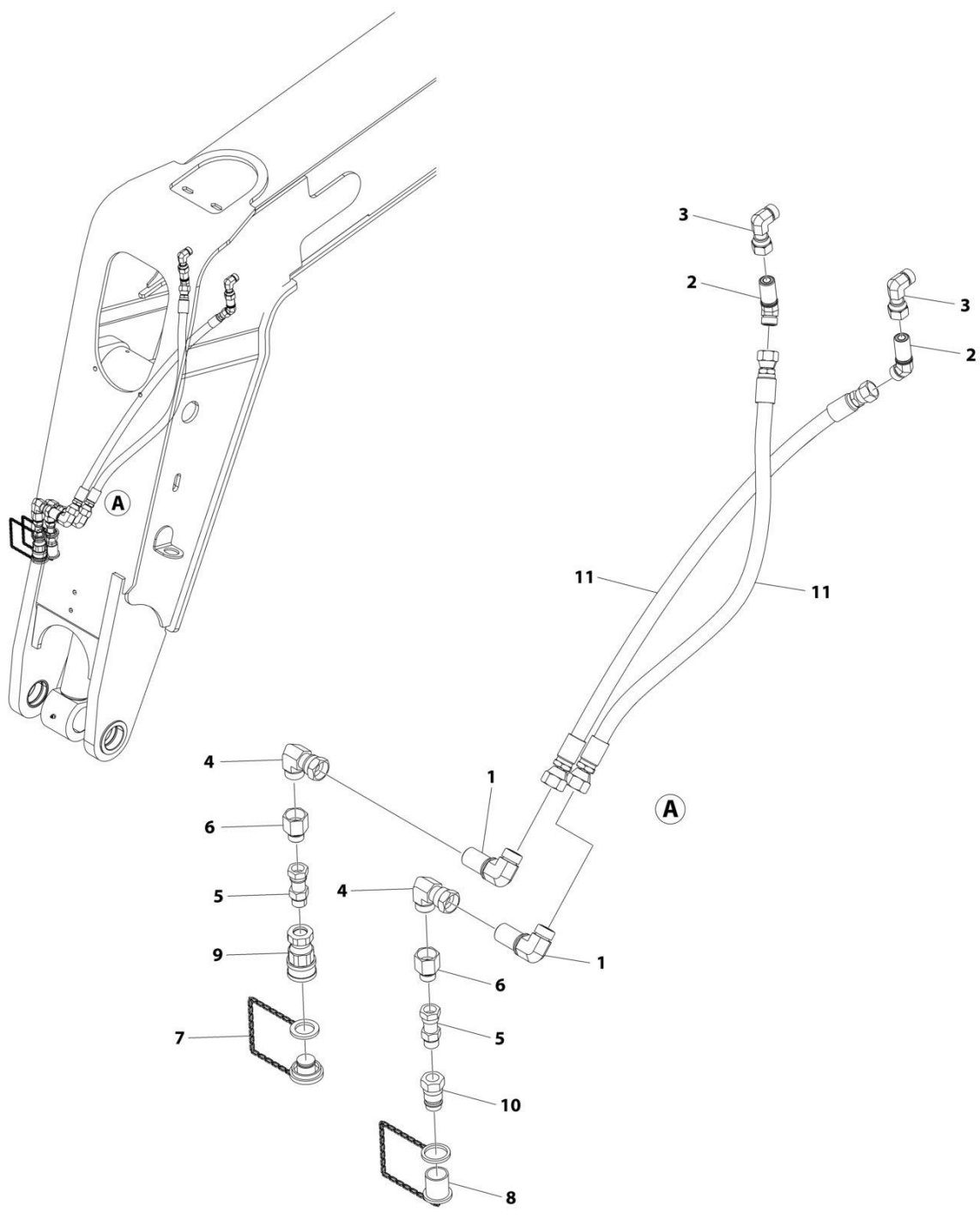
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-3. BOOM HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170100	Ref	Boom Hydraulic Installation, Emergency Steering	I
1	0700816	2	Bolt, M8X40	
4	2170308	2	Fitting, Tee ORFS	
17	1001169375	1	Hose	
18	1001188637	2	Hose	
19	1001169378	2	Hose	
21	1001175718	1	Hose	
22	1001169376	2	Hose	
27	1001193771	1	Channel, Boom Hose	
28	4811900	2	Washer, M8	
29	1001195217	1	Hose	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-4. BOOM AUXILIARY HYDRAULICS



ART_1001286329

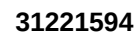
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-4. BOOM AUXILIARY HYDRAULICS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286329	Ref	BOOM AUXILIARY HYDRAULICS INSTALLATION	A
1	2171210	2	Fitting, 90 with Lock Nut	
2	2171308	2	Fitting, 45 ORFS	
3	2172108	2	Fitting, 90 ORFS	
4	2172110	2	Fitting, 90 ORFS	
5	2180849	2	Fitting, Straight	
6	8770296	2	Fitting, Straight	
7	91043125	1	Plug	
8	91043126	1	Cap	
9	91403413	1	Fitting, Straight	
10	91403414	1	Fitting, Straight	
11	1001286468	2	Hose	

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1043



ART_1001286330

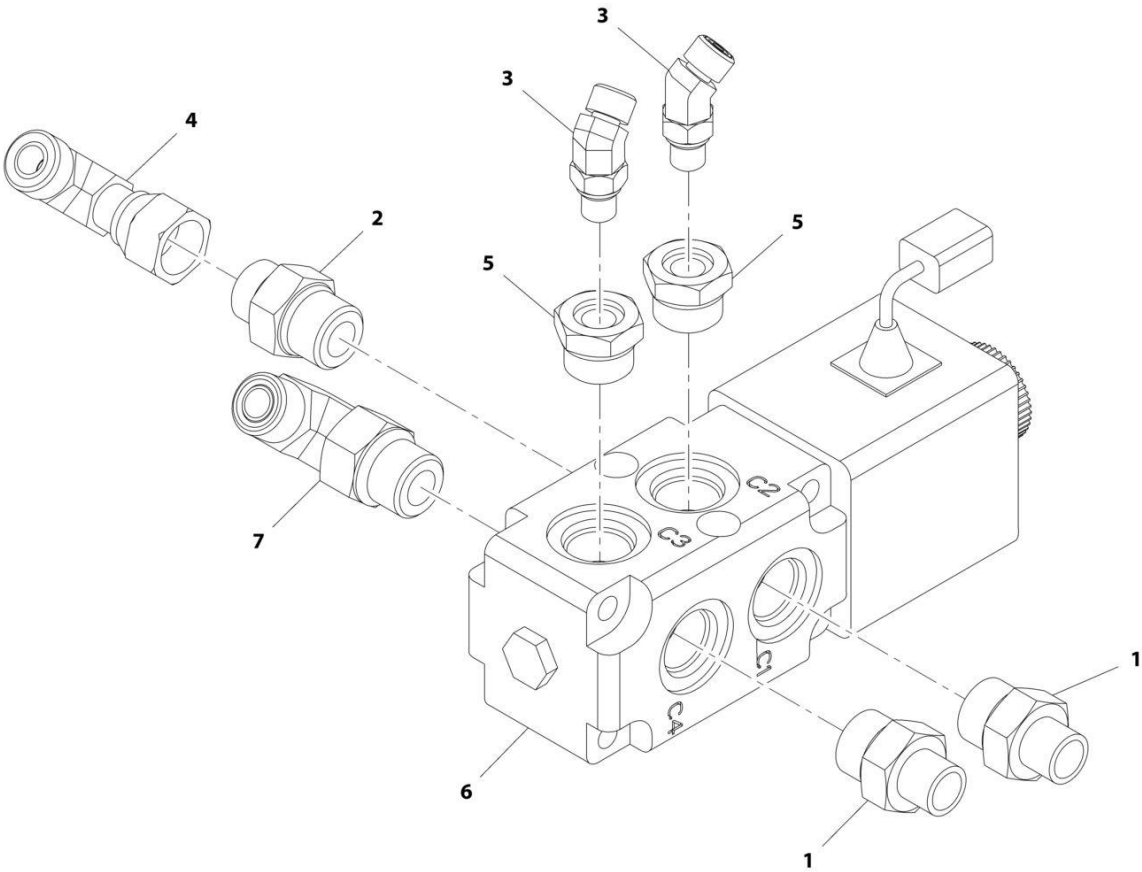
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-5. BOOM AUXILIARY HYDRAULICS (HYDRAULIC COUPLER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286330	Ref	BOOM AUXILIARY HYDRAULICS (HYDRAULIC COUPLER) INSTALLATION	A
1	0701016	2	Bolt M10 x 40	
2	0761012	2	Bolt M10 x 25	
3	0761212	2	Bolt M12 x 25	
4	2171210	2	Fitting, with Lock Nut	
5	2171308	2	Fitting, 45°	
6	2172110	2	Fitting, 90°	
7	2180849	2	Fitting, Straight	
8	3291005	4	Nut, Lock M10	
9	4031918	2	Bolt M8 x 70	
10	4240099	AR	Tie Strap (Not Shown)	
11	4812000	4	Washer M10	
12	8770296	2	Fitting, Straight	
13	91043125	1	Plug	
14	91043126	1	Cap	
15	91403413	1	Fitting, Straight	
16	91403414	1	Fitting, Straight	
17	1001080375	1	Switch, Quick	
18	1001080996	2	Clamp	
19	1001125117	2	Washer M12	
20	1001164870	1	Plate	
21	1001189299	1	Hose	
22	1001189308	1	Hose	
23	1001189663	1	Assembly, Valve Quick Coupler (See Separate Breakdown in this Section)	
24	1001210340	2	Hose	
25	1001286468	2	Hose	
26	1001289855	1	Bracket	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-6. QUICK COUPLER VALVE ASSEMBLY



ART_1001189663-C

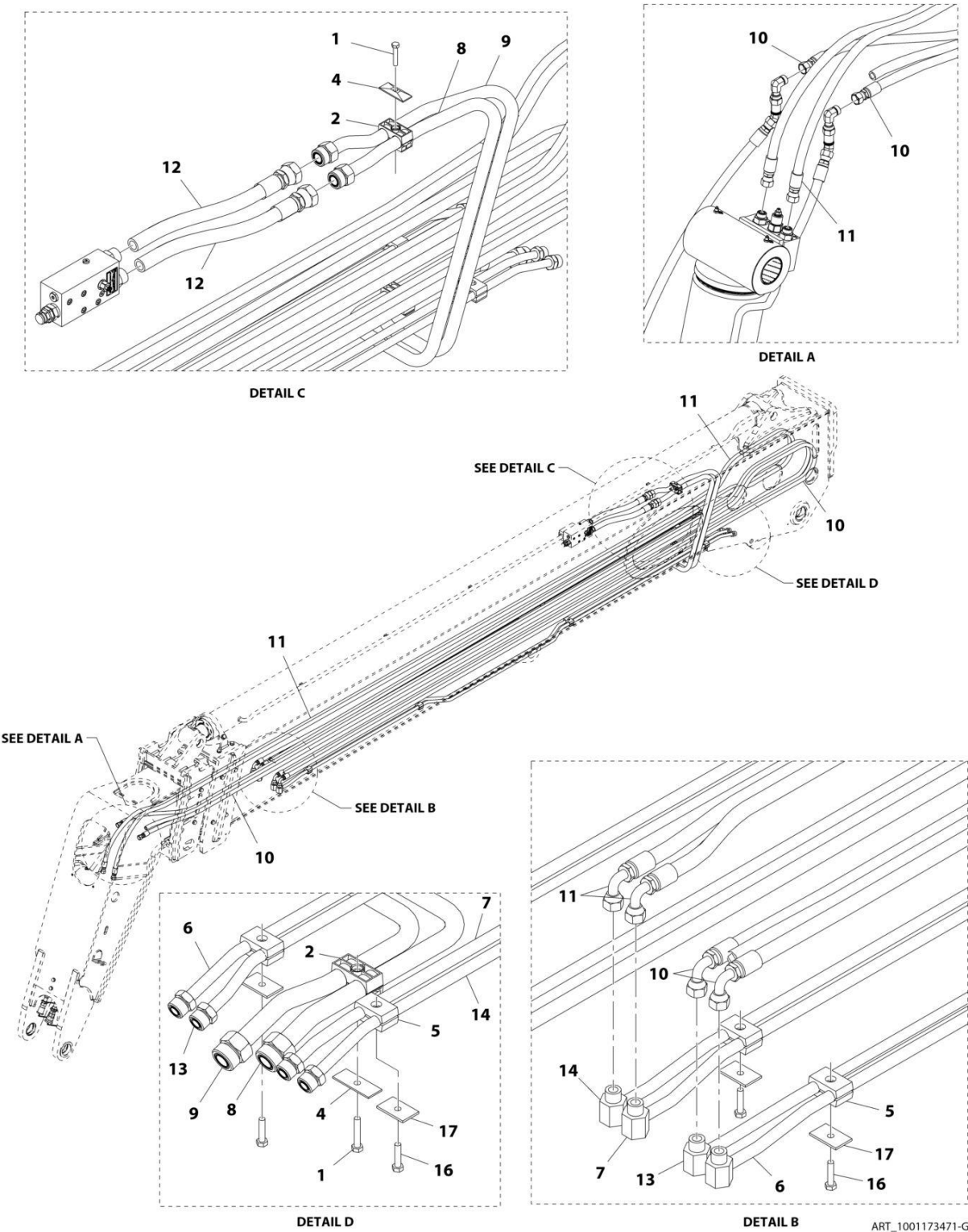
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-6. QUICK COUPLER VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189663	Ref	Quick Coupler Valve Assembly	C
1	2110610	2	Fitting, Straight ORFS	
2	2110810	1	Fitting, Straight ORFS	
3	2150404	2	Fitting, 45 ORFS	
4	2172108	1	Fitting, 90 ORFS	
5	1001001568	2	Reducer	
6	1001104477	1	Valve, Quick Coupler (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
7	2130810	1	Fitting, 90 ORFS	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-7. BOOM HYDRAULIC TUBES INSTALLATION



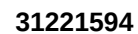
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-7. BOOM HYDRAULIC TUBES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173471	Ref	Boom Hydraulic Tubes Installation	G
1	0700817	2	Bolt, M8X45	
2	1321329	2	Clamp	
4	77133137	2	Plate, Cover	
5	77133139	8	Clamp	
6	1001162339	1	Tube	
7	1001162346	1	Tube	
8	1001162365	1	Tube	
9	1001162366	1	Tube	
10	1001163072	1	Hose	
11	1001163073	1	Hose	
12	1001170549	2	Hose	
13	1001173956	1	Tube	
14	1001173957	1	Tube	
16	0760815	8	Bolt, M8X35	
17	77133140	8	Plate, Cover	

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ART_1001175789_I

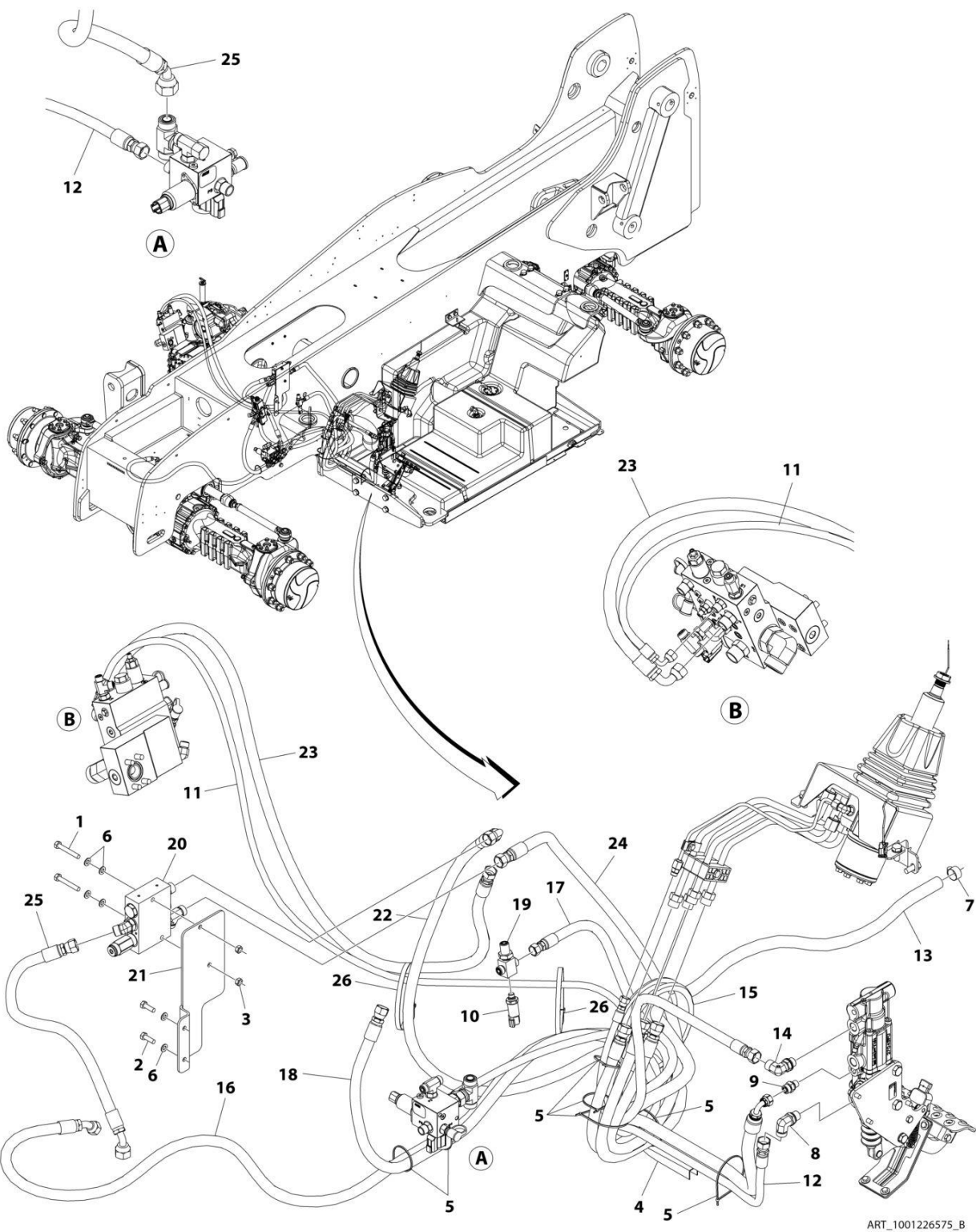
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-8. CAB HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175789	Ref	Cab Hydraulic Installation	I
5	8405006	1	Clamp, Gear	
13	8770120	1	Fitting, 90 ORFS	
14	1001205756	1	Adapter	
15	80233218	1	Fitting, Straight ORFS	
16	1001253154	1	Hose	
17	1001253097	1	Hose	
18	1001253103	1	Hose	
19	1001161528	1	Hose	
20	1001169830	1	Grommet	
26	1001203067	1	Hose	
27	1001204152	1	Hose	
28	1001253156	1	Hose	
29	1001175713	1	Hose	
31	1001147340	1	Sensor, Pressure Transducer	
33	4240099	AR	Tie, Wire	
34	1001168054	1	Fitting, 90 ORFS	
35	4060919	230 mm	Trim, Hose Protection	
36	1001158298	2	Strap, Tie	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-9. CAB HYDRAULIC INSTALLATION, EMERGENCY STEERING



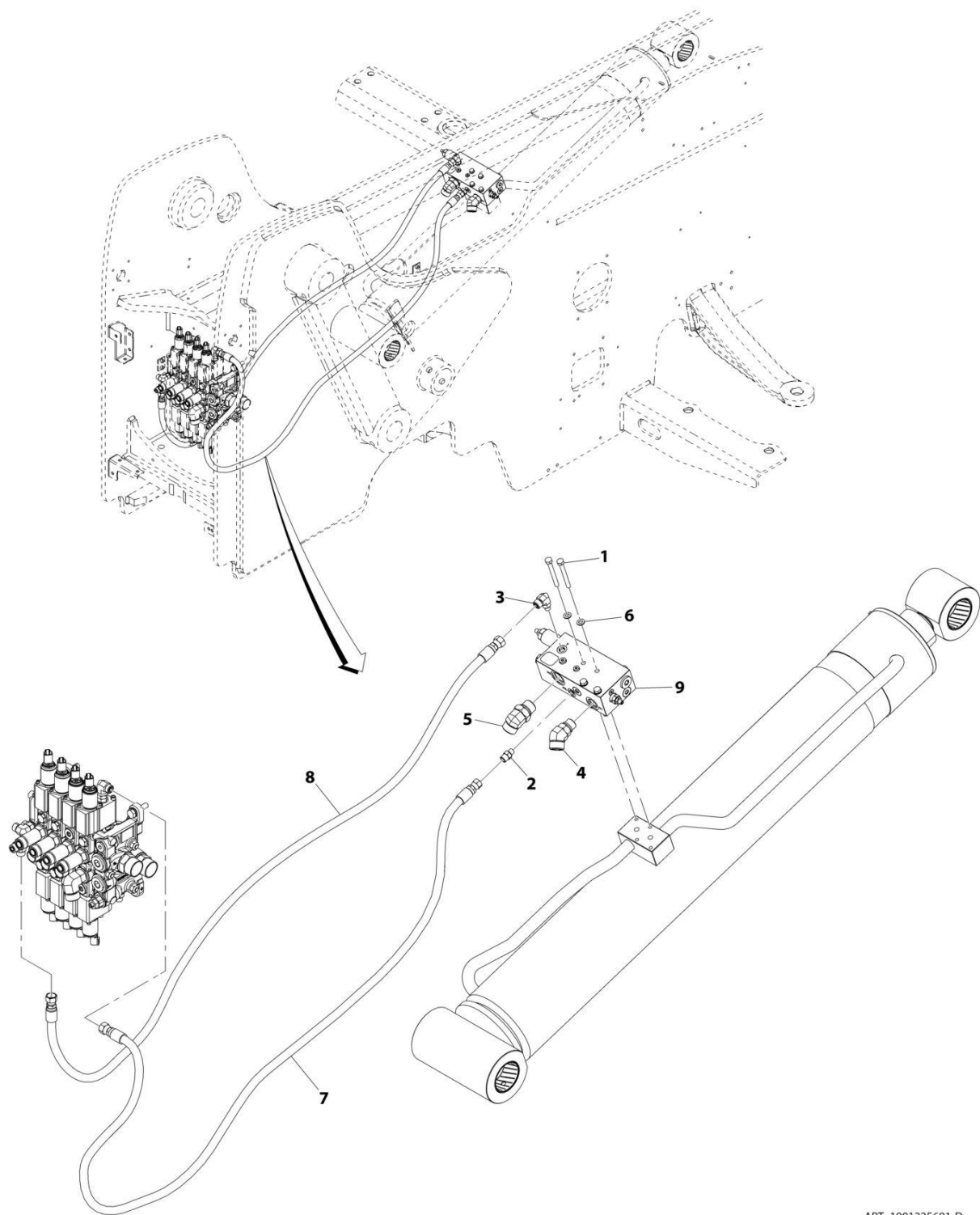
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-9. CAB HYDRAULIC INSTALLATION, EMERGENCY STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001226575	Ref	Cab Hydraulic Installation, Emergency Steering (Outriggers)	B
1	0700819	2	Bolt, M8X55	
2	0760812	2	Bolt, M8X25	
3	3290801	2	Nut, M8X1.25	
4	4060919	230 mm	Trim, Hose Protection	
5	4240099	AR	Tie, Wire	
6	4811900	6	Washer, M8	
7	8405006	1	Clamp, Gear	
8	8770120	1	Fitting, 90 ORFS	
9	80233218	1	Fitting, Straight ORFS	
10	1001147340	1	Sensor, Pressure Transducer	
11	1001253097	1	Hose	
12	1001253103	1	Hose	
13	1001161528	1	Hose	
14	1001168054	1	Fitting, 90 ORFS	
15	1001169830	1	Grommet	
16	1001175713	1	Hose	
17	1001203067	1	Hose	
18	1001204152	1	Hose	
19	1001205756	1	Adapter	
20	1001219191	1	Emergency Steering Manifold Installation (See Separate Breakdown in this Section)	
21	1001221520	1	Bracket, Emergency Steer Manifold	
22	1001221527	1	Hose	
23	1001253158	1	Hose	
24	1001221742	1	Hose	
25	1001253155	1	Hose	
26	1001158298	2	Strap, Tie	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-10. COUNTERBALANCE VALVE INSTALLATION (LIFT - GLS NO RIDE CONTROL)



ART_1001225681-D

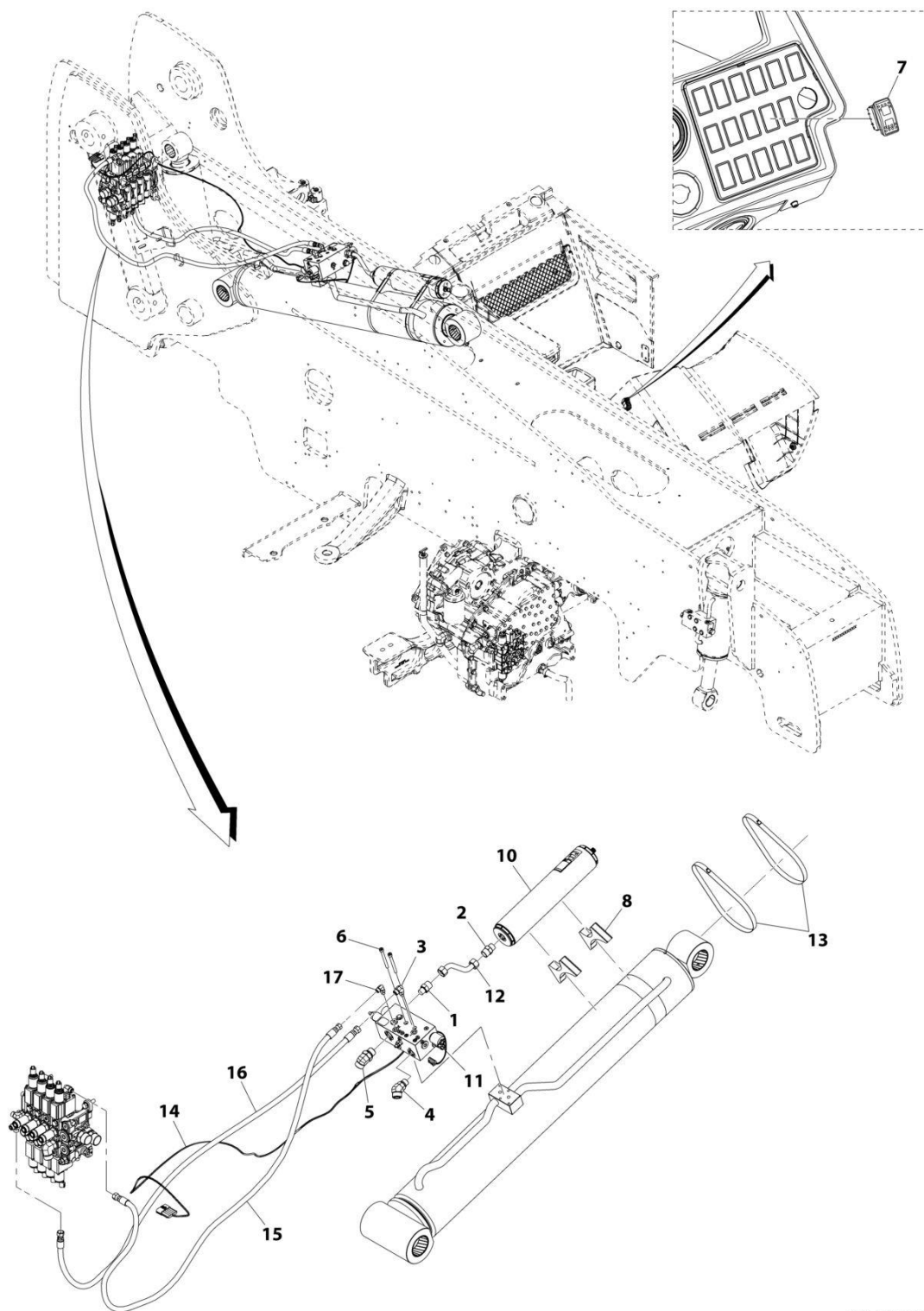
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-10. COUNTERBALANCE VALVE INSTALLATION (LIFT - GLS NO RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225681	Ref	Counterbalance Valve Installation (Lift - PGLS No Ride Control)	D
1	0700823	4	Bolt, M8X75	
2	2110404	1	Fitting, Straight ORFS	
3	2130604	1	Fitting, 90 ORFS	
4	2151210	1	Fitting, 45 ORFS	
5	2151212	1	Fitting, 45 ORFS	
6	4811900	4	Washer, M8	
7	1001225462	1	Hose	
8	1001225464	1	Hose	
9	1001226035	1	Valve, Counterbalance (Note: Sold as Complete Assembly Only)	
9A	70028453	2	O-Ring (Between Valve & Cylinder) (Not Shown)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-11. COUNTERBALANCE VALVE HYDRAULIC LINES (LIFT - RIDE CONTROL)



ART_1001225682-F

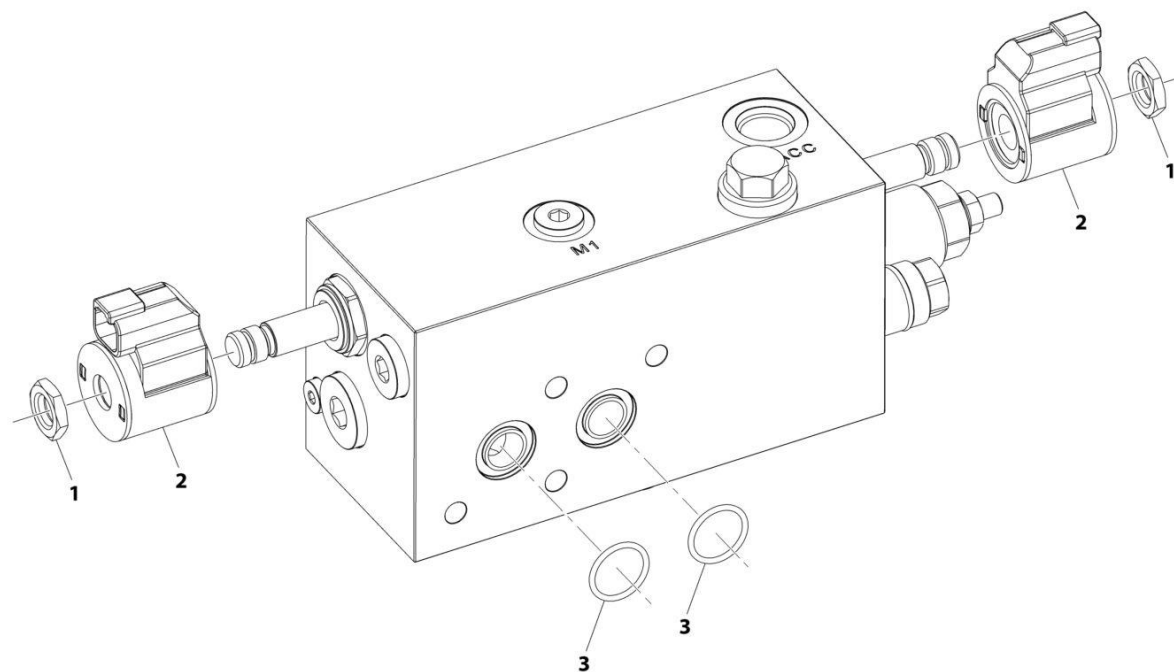
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-11. COUNTERBALANCE VALVE HYDRAULIC LINES (LIFT - RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225682	Ref	Counterbalance Valve Installation (Lift - Ride Control)	F
1	2111008	1	Fitting, Straight ORFS	
2	2111010	1	Fitting, Straight ORFS	
3	2130604	1	Fitting, 90 ORFS	
4	2151210	1	Fitting, 45 ORFS	
5	2151212	1	Fitting, 45 ORFS	
6	4031921	4	Bolt, M8X85	
7	1001159745	1	Switch, Boom Ride	
8	1001175741	2	Bumper, Cylinder Saddle	
10	1001192435	1	Cylinder, Piston	
11	1001227056	1	Line, Counterbalance Valve (Lift - Ride Control) (See Separate Breakdown in this Section)	
12	1001227137	1	Pipe, Ride Control	
13	1001095396	2	Clamp	
14	1001175677	1	Installation, Ride Control CB Valve Harness (Lift) (See Separate Breakdown in Electrical Section)	
15	1001225462	1	Hose	
16	1001225464	1	Hose	
17	2130404	1	Fitting, 90 ORFS	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-12. COUNTERBALANCE VALVE HYDRAULIC LINES (LIFT - RIDE CONTROL)



ART_1001227056-D

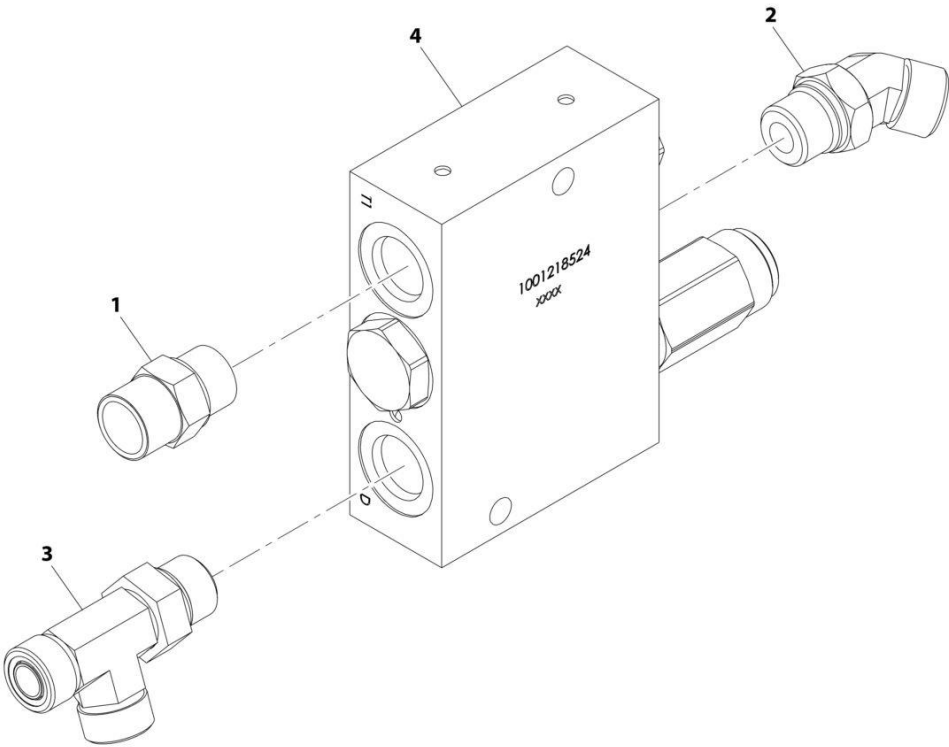
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-12. COUNTERBALANCE VALVE HYDRAULIC LINES (LIFT - RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227056	Ref	Counterbalance Valve Hydraulic Lines (Lift - Ride Control)	D
1	7022390	2	Nut	
2	70028281	2	Coil	
3	70028453	2	O-Ring	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-13. EMERGENCY STEERING MANIFOLD & FITTINGS ASSEMBLY



ART_1001219191-A

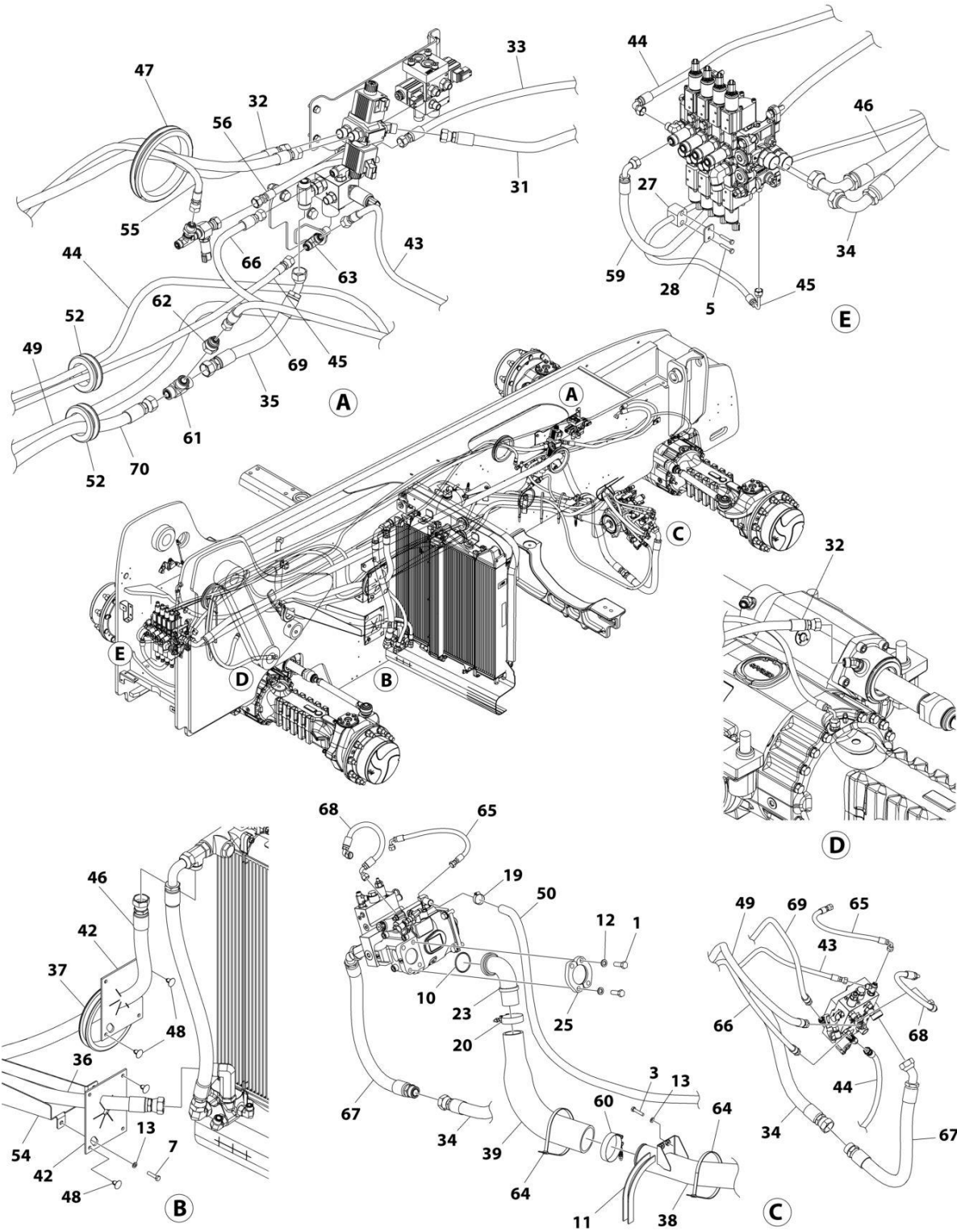
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-13. EMERGENCY STEERING MANIFOLD & FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219191	Ref	Emergency Steering Manifold	A
1	2110808	1	Fitting, Straight ORFS	
2	2150808	1	Fitting, 45 ORFS	
3	2170308	1	Fitting, Tee ORFS	
4	1001218524	1	Manifold	

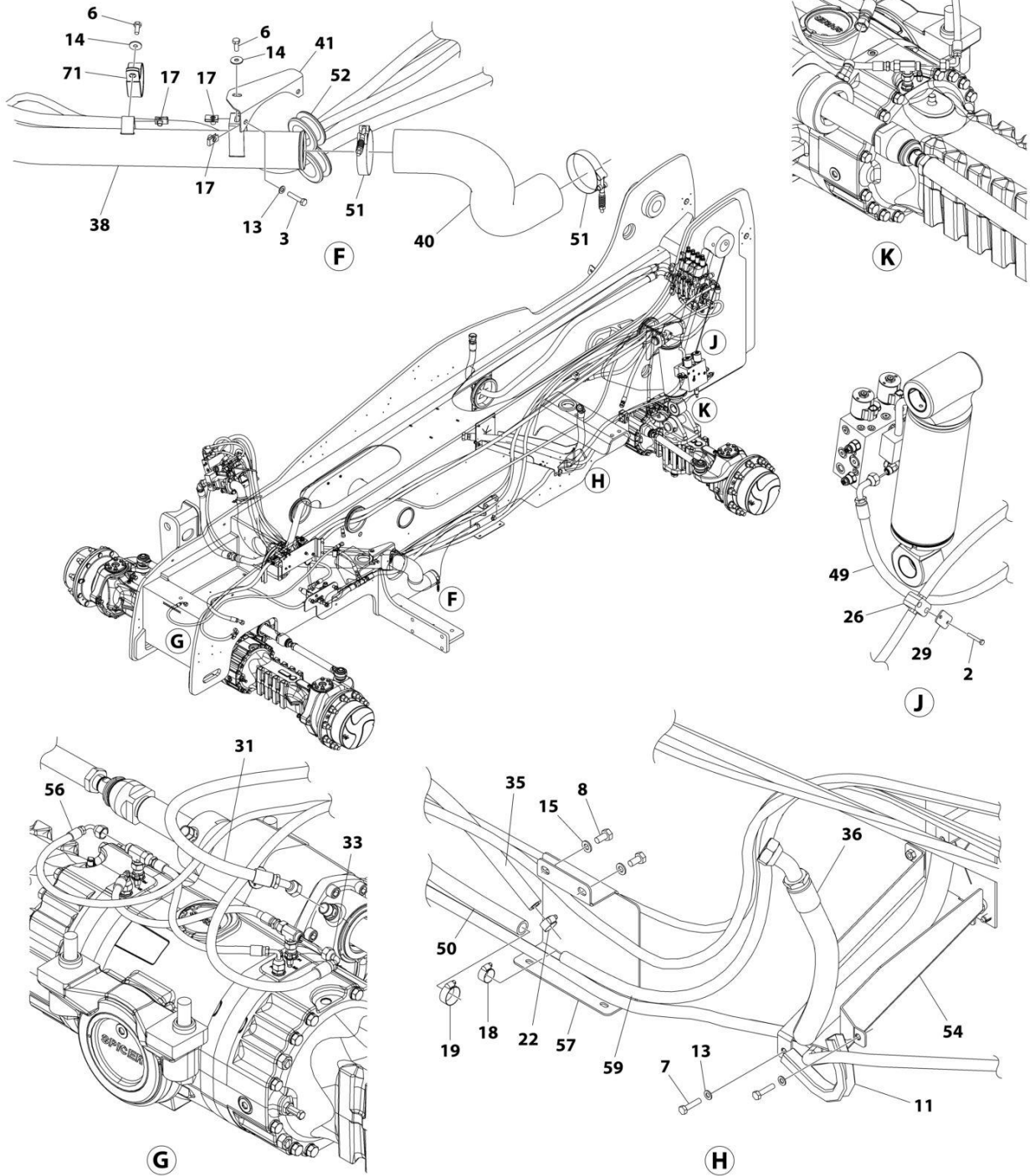
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-14. FRAME HYDRAULICS INSTALLATION



ART_1001227497_F_10F2

SECTION 8 - HYDRAULIC CIRCUITS



ART_1001227497_F_20F2

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-14. FRAME HYDRAULICS INSTALLATION

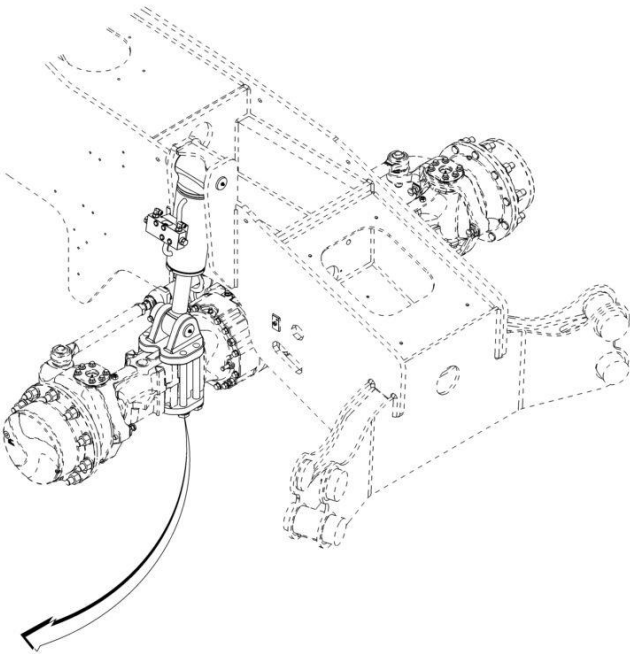
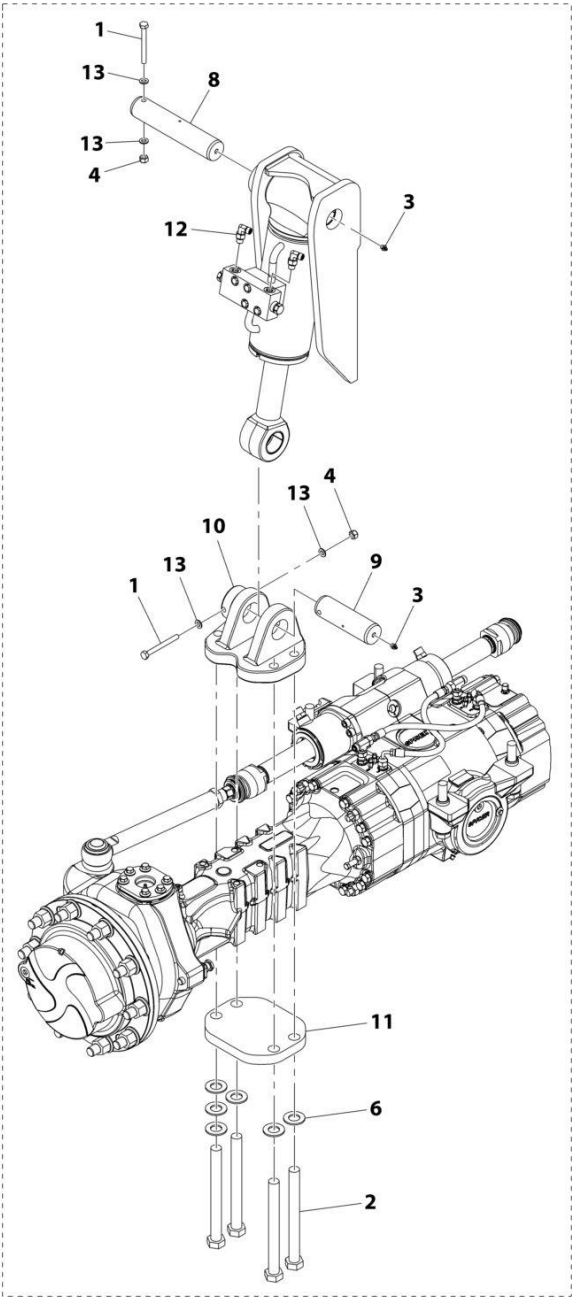
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227497	Ref	Hydraulic Lines Installation	F
1	0641812	4	Bolt 1/2 x 1	
2	0700616	2	Bolt M6 x 40	
3	0700816	4	Bolt M8 x 40	
5	0760615	4	Bolt M6 x 35	
6	0760810	2	Bolt M8 x 20	
7	0760815	4	Bolt M8 x 35	
8	0761010	2	Bolt M10 x 20	
10	3790228	1	O-Ring	
11	4060919	467 mm	Trim	
12	4761800	4	Washer 1/2	
13	4811900	8	Washer M8	
14	4811902	2	Washer M8	
15	4812000	2	Washer M10	
17	8310686	4	Nut, Retainer M8 x 12-1/2	
18	8405006	1	Clamp, Gear	
19	8405007	2	Clamp, Hose	
20	8405209	1	Clamp, T-Bolt	
22	8410009	1	Clamp, Gear	
23	8424233	1	Elbow, 90	
25	8546407	2	Flange, Half	
26	8750029	1	Clamp, Hose	
27	8750030	2	Clamp, Hose	
28	8769146	2	Plate, Cover	
29	8769153	1	Plate, Cover	
31	1001161340	1	Hose	
32	1001161343	2	Hose	
33	1001253102	1	Hose	
34	1001253079	1	Hose	
35	1001253078	1	Hose	
36	1001161978	1	Hose	
37	1001169830	1	Grommet	
38	1001173446	1	Pipe	
39	1001173450	1	Hose	
40	1001173451	1	Hose	
41	1001174338	1	Bracket	
42	1001175347	2	Grommet	
43	1001253089	1	Hose	
44	1001253112	1	Hose	
45	1001253099	1	Hose	
46	1001175699	1	Hose	
47	1001177704	2	Grommet	
48	1001180306	8	Screw	
49	1001253160	1	Hose	
50	1001186418	1	Hose	
51	1001186843	2	Clamp, T-Bolt	
52	1001188971	2	Grommet	
54	1001257763	1	Channel	
55	1001202847	1	Hose	
56	1001203502	1	Hose	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
57	1001208881	1	Bracket	
59	1001225467	1	Hose	
60	1001232377	1	Clamp	
61	2170510	1	Fitting, Tee ORFS/ORFS/ORFS	
62	2221244	1	Fitting, Straight ORFS/FSORFS	
63	88662434	1	Fitting, Tee ORFS/ORFS/ORFS	
64	1001158298	4	Strap, Tie	
65	1001253086	1	Hose	
66	1001253107	1	Hose	
67	1001259141	1	Hose	
68	1001260572	1	Hose	
69	1001260573	1	Hose	
70	1001260599	1	Hose	
71	1320219	1	Clamp	
72	4060807	1	FLEX TRIM (Not Shown)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-15. FRAME LEVEL INSTALLATION



ART_1001168764-H

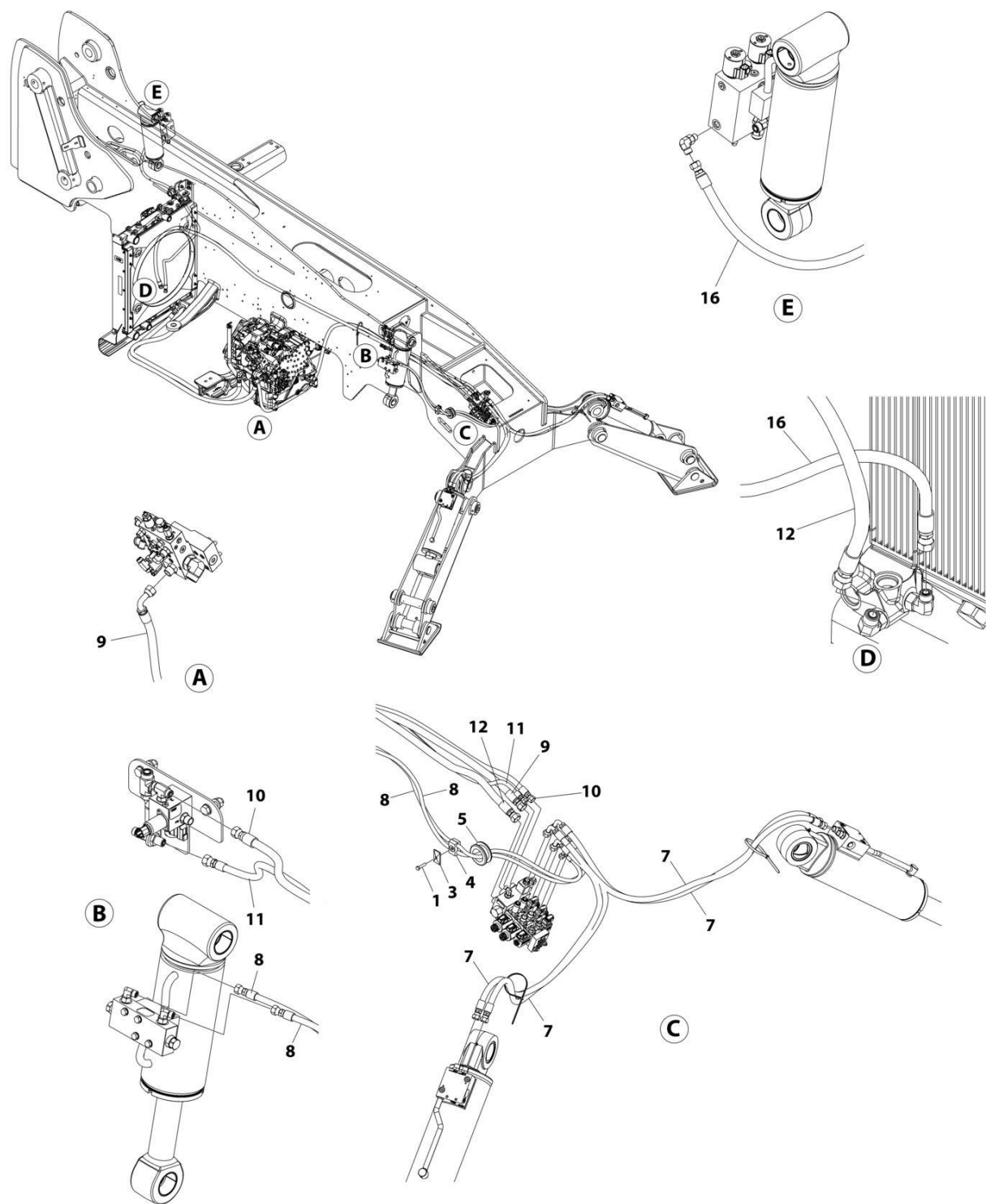
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-15. FRAME LEVEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168764	Ref	Frame Level Installation	H
1	0711027	2	Bolt, M10X100	
2	0712442	4	Bolt, M24X250	
3	2160016	2	Fitting, Grease	
4	3291005	2	Nut, Lock M10X1.5	
6	5242400	6	Washer, M24	
8	1001164971	1	Pin	
9	1001164972	1	Pin	
10	1001250331	1	Bracket	
11	1001168629	1	Plate	
12	2130406	2	Fitting, 90 ORFS	
13	4812000	4	Washer, M10	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-16. FRAME LEVEL HYDRAULICS INSTALLATION (OUTRIGGERS)



ART_1001168469_M

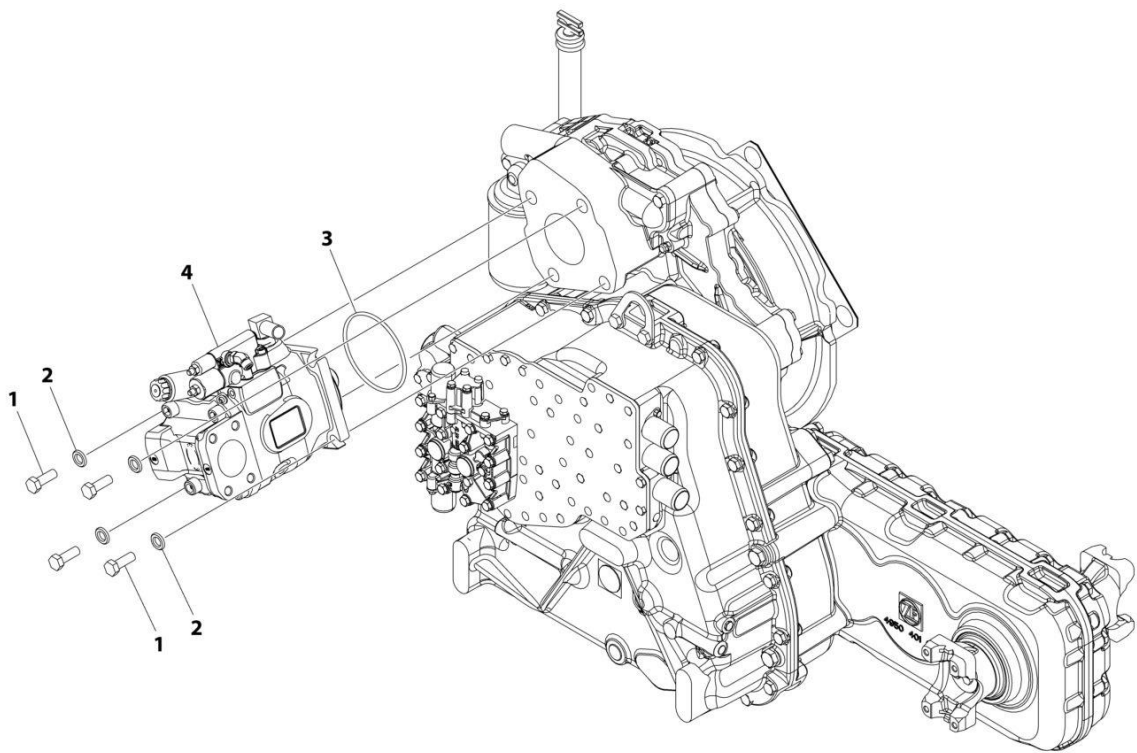
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-16. FRAME LEVEL HYDRAULICS INSTALLATION (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168469	Ref	Frame Level Hydraulics Installation (Outriggers)	M
1	0760815	1	Bolt, M8X35	
3	1321752	1	Clamp	
4	77133168	1	Clamp	
5	1001028308	1	Grommet	
7	1001214468	4	Hose	
8	1001175570	2	Hose	
9	1001253083	1	Hose	
10	1001253159	1	Hose	
11	1001253088	1	Hose	
12	1001175814	1	Hose	
16	1001192042	1	Hose	
17	1001097810	AR	Hose	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-17. PISTON PUMP INSTALLATION



ART_1001162670_D

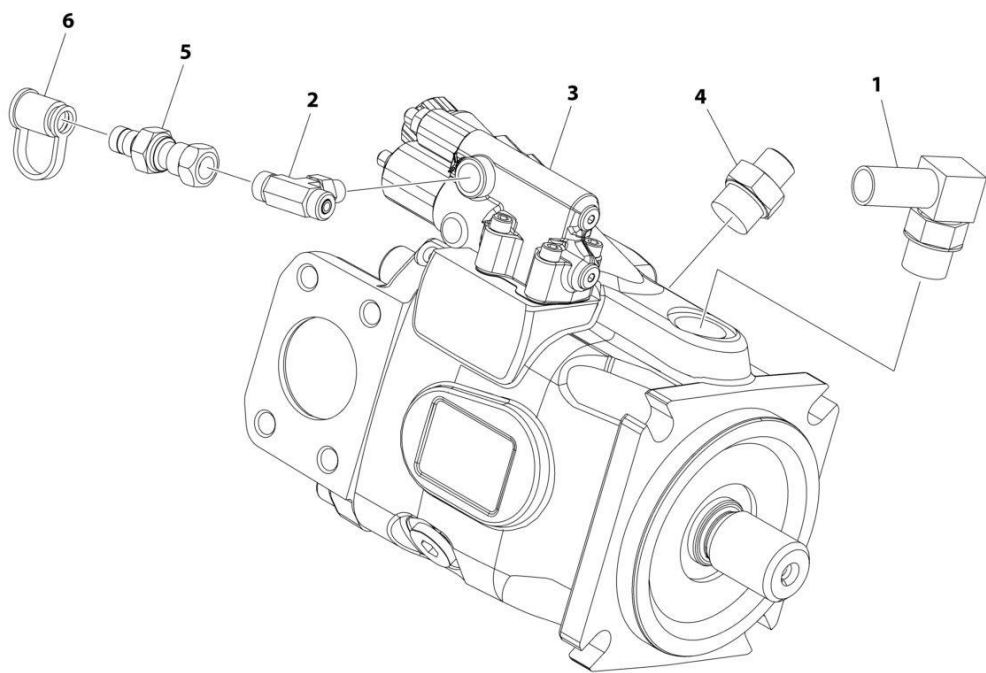
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-17. PISTON PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162670	Ref	Piston Pump Installation	D
1	0761215	4	Bolt, M12X35	
2	4740532	4	Washer	
3	80933113	1	O-Ring	
4	1001162674	1	Assembly, Piston Pump (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-18. PISTON PUMP ASSEMBLY



ART_1001162674_E

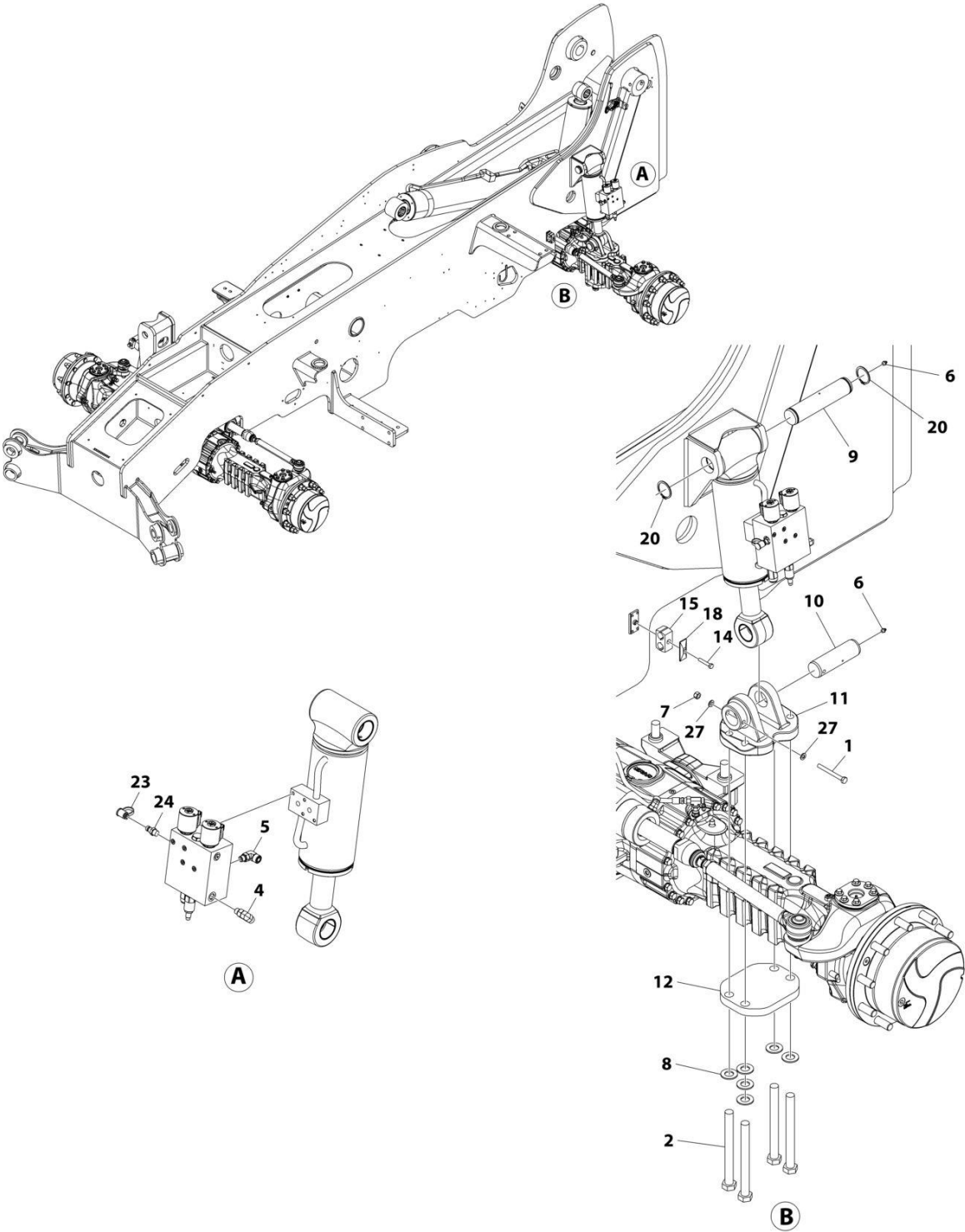
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-18. PISTON PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162674	Ref	PISTON PUMP ASSEMBLY	E
1	8424217	1	Fitting, 90	
2	2170404	1	Fitting, Tee ORFS/ORB/ORFS	
3	1001182279	1	Piston Pump (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
4	2110610	1	Fitting, Straight ORFS/ORB	
5	2221229	1	Fitting, Straight ORFS	
6	8430032	1	Plug	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-19. REAR AXLE STABILIZER INSTALLATION



ART_1001182911_K

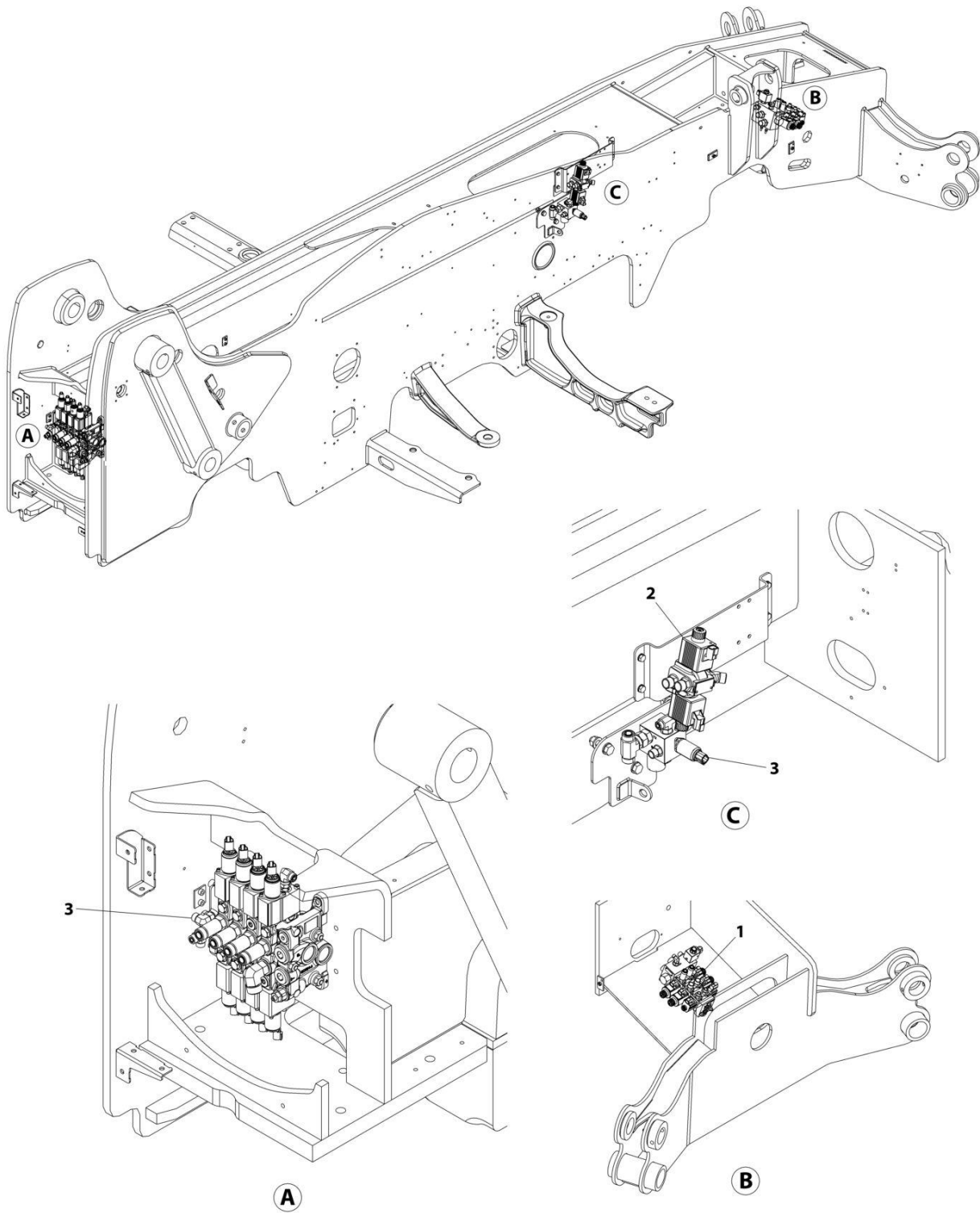
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-19. REAR AXLE STABILIZER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182911	Ref	Rear Axle Stabilizer Installation	K
1	0711027	1	Bolt, M10X100	
2	0712442	4	Bolt, M24X250	
4	2130606	1	Fitting, 90 ORFS	
5	2130806	1	Fitting, 90 ORFS	
6	2160016	2	Fitting, Grease	
7	3291005	1	Nut, Lock M10X1.5	
8	5242400	6	Washer, M24	
9	1001192341	1	Pin	
10	1001164972	1	Pin	
11	1001250331	1	Bracket	
12	1001168629	1	Plate	
14	0760817	1	Bolt, M8X45	
15	8750016	1	Clamp	
18	77133137	1	Plate	
20	3760493	2	Ring, Retaining	
23	8430032	1	Plug	
24	1001003590	1	Fitting, Straight	
25	2220885	AR	Plug	
26	2170306	AR	Fitting, Tee ORFS	
27	4812000	2	Washer, M10	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-20. VALVE INSTALLATION (OUTRIGGERS)



ART_1001225749_B

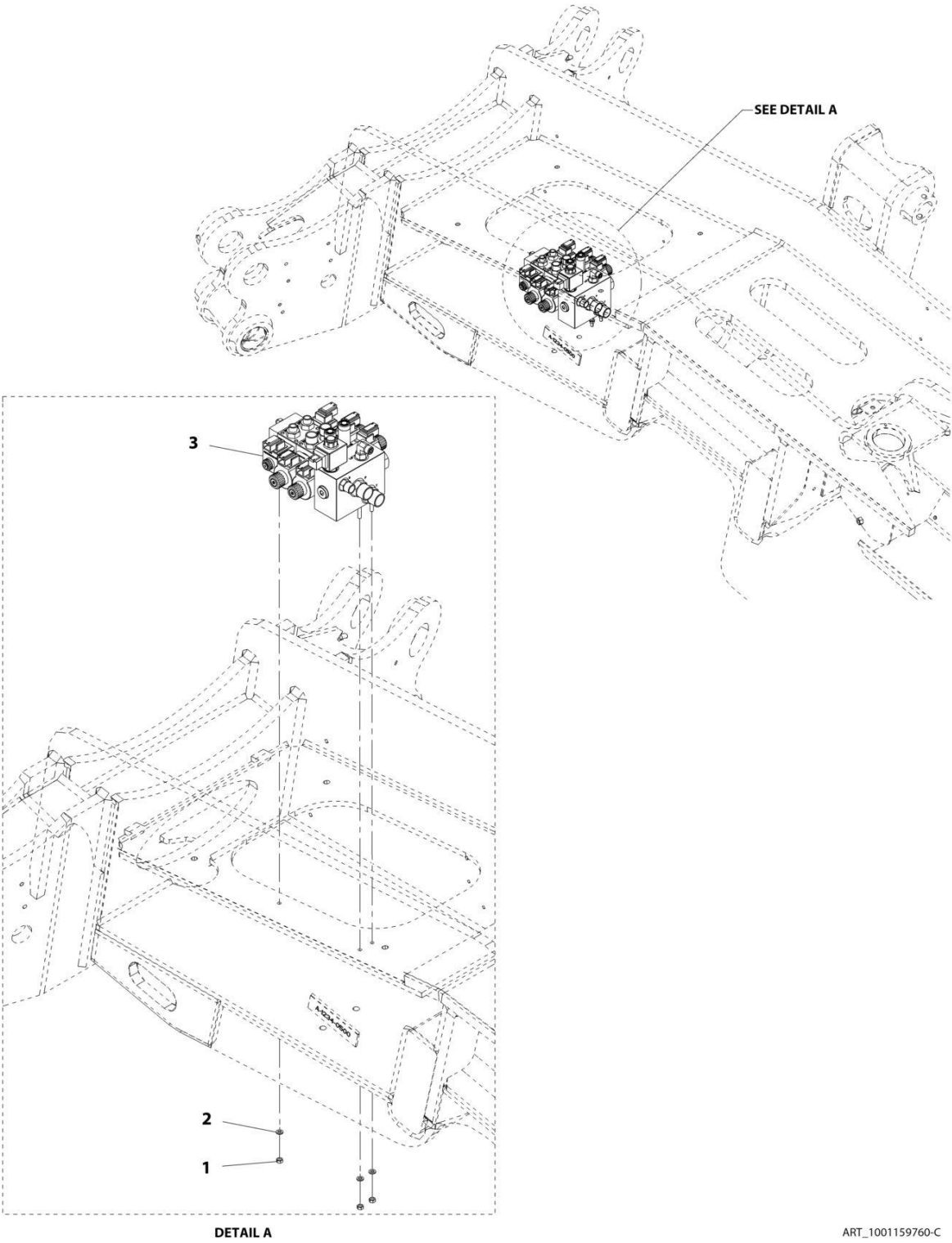
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-20. VALVE INSTALLATION (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001225749	Ref	Valve Installation (Outriggers)	B
	1001159760	Ref	Installation, Frame Level and Outrigger Valve (See Separate Breakdown in this Section)	
2	1001168464	Ref	Installation, Steering Select Valve Mounting (See Separate Breakdown in this Section)	
3	1001225750	Ref	Installation, Main Control Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-21. VALVE INSTALLATION - FRAME LEVEL AND OUTRIGGER



ART_1001159760-C

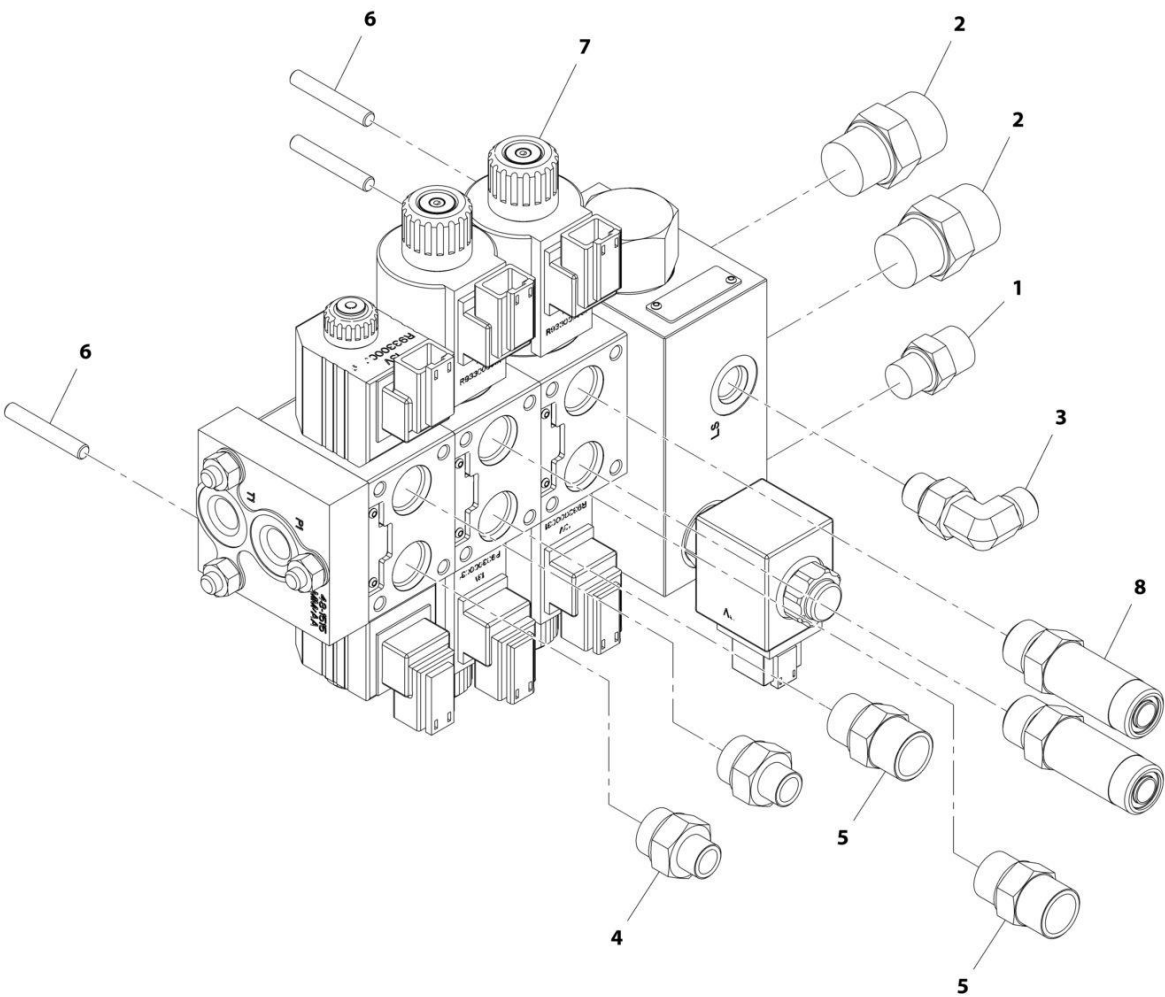
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-21. VALVE INSTALLATION - FRAME LEVEL AND OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159760	Ref	Frame Level and Outrigger Valve Installation	C
1	3290601	3	Nut, M6X1	
2	4811700	3	Washer, M6	
3	1001159847	1	Assembly, Frame Level and Outrigger Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-22. VALVE ASSEMBLY - FRAME LEVEL AND OUTRIGGER



ART_1001159847-E

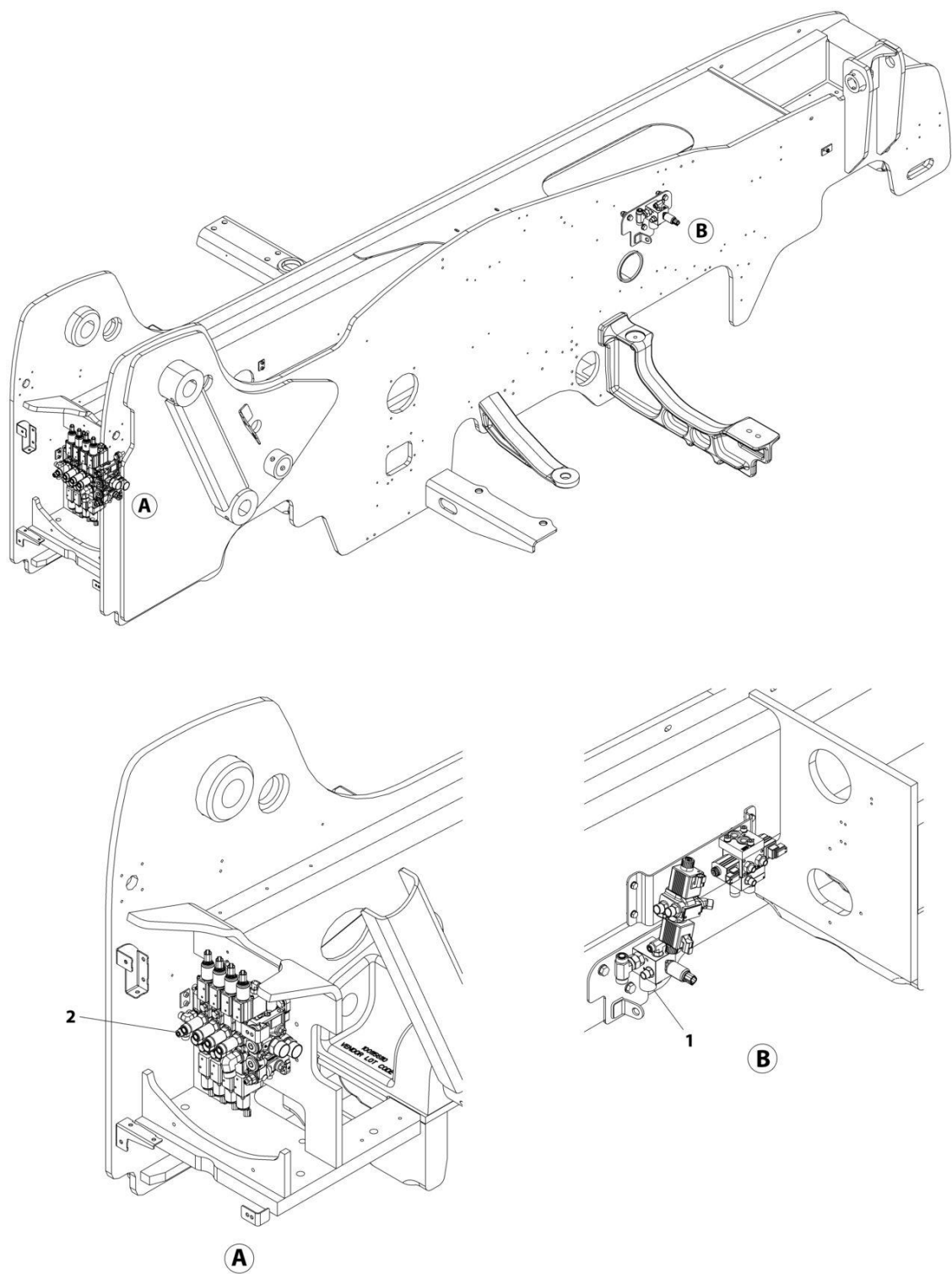
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-22. VALVE ASSEMBLY - FRAME LEVEL AND OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159847	Ref	Frame Level and Outrigger Valve Assembly	E
1	2110606	1	Fitting, Straight	
2	2111010	2	Fitting, Straight ORFS	
3	2130406	1	Fitting, 90 ORFS	
4	2110408	2	Fitting, Straight ORFS	
5	2110808	2	Fitting, Straight ORFS	
6	1001177702	3	Stud, M6X40	
7	1001157972	1	Valve, Frame Level and Outrigger (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
8	2170108	2	Fitting	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-23. VALVES INSTALLATION - MAIN & PRIORITY



ART_1001225750_B

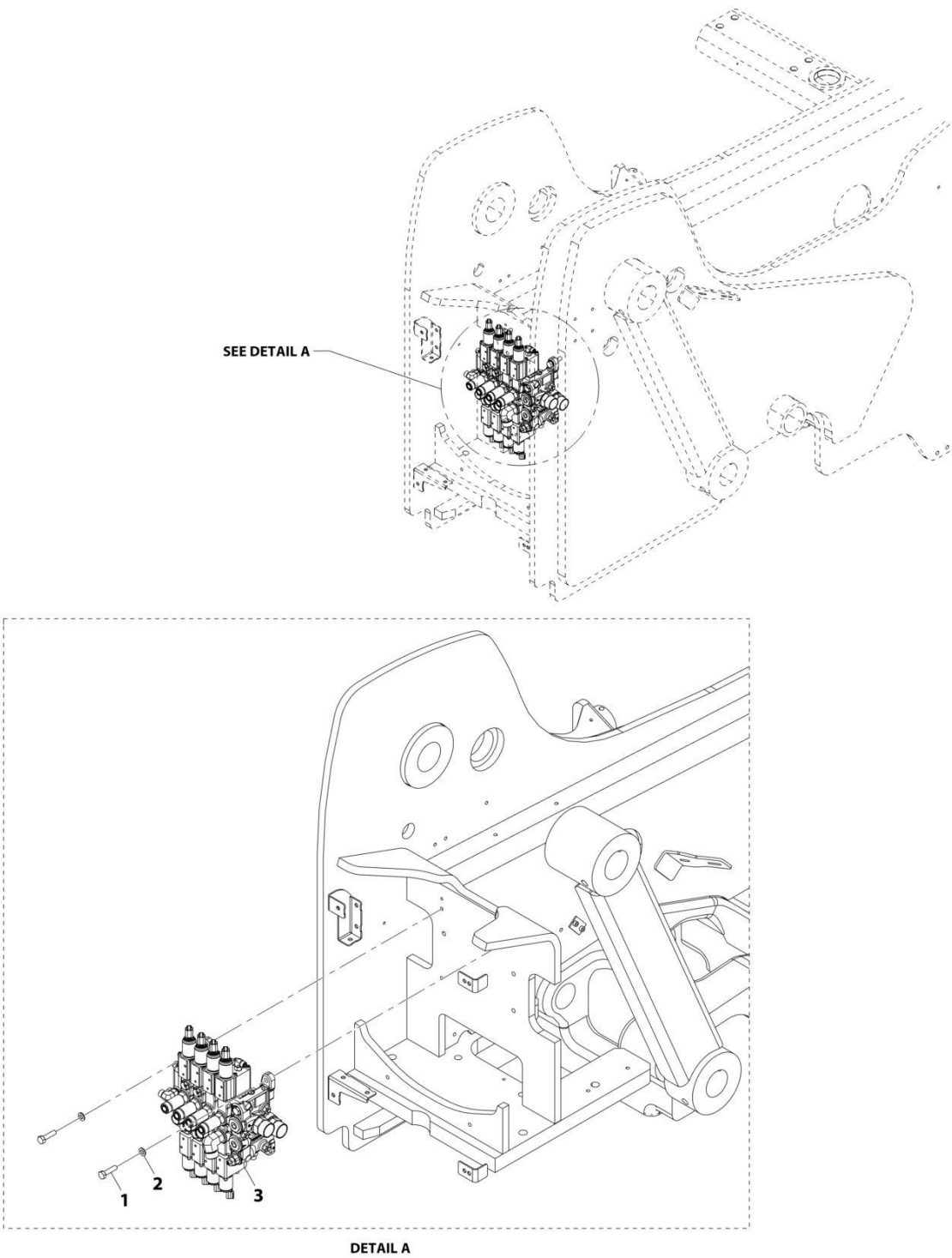
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-23. VALVES INSTALLATION - MAIN & PRIORITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001225750	Ref	Main Hydraulic Valves Installation	B
	1001253371	Ref	Installation, Sahr Brake Valve (See Separate Breakdown in this Section)	
2	1001225751	Ref	Installation, Main Control Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-24. VALVE INSTALLATION - MAIN



ART_1001225751-A

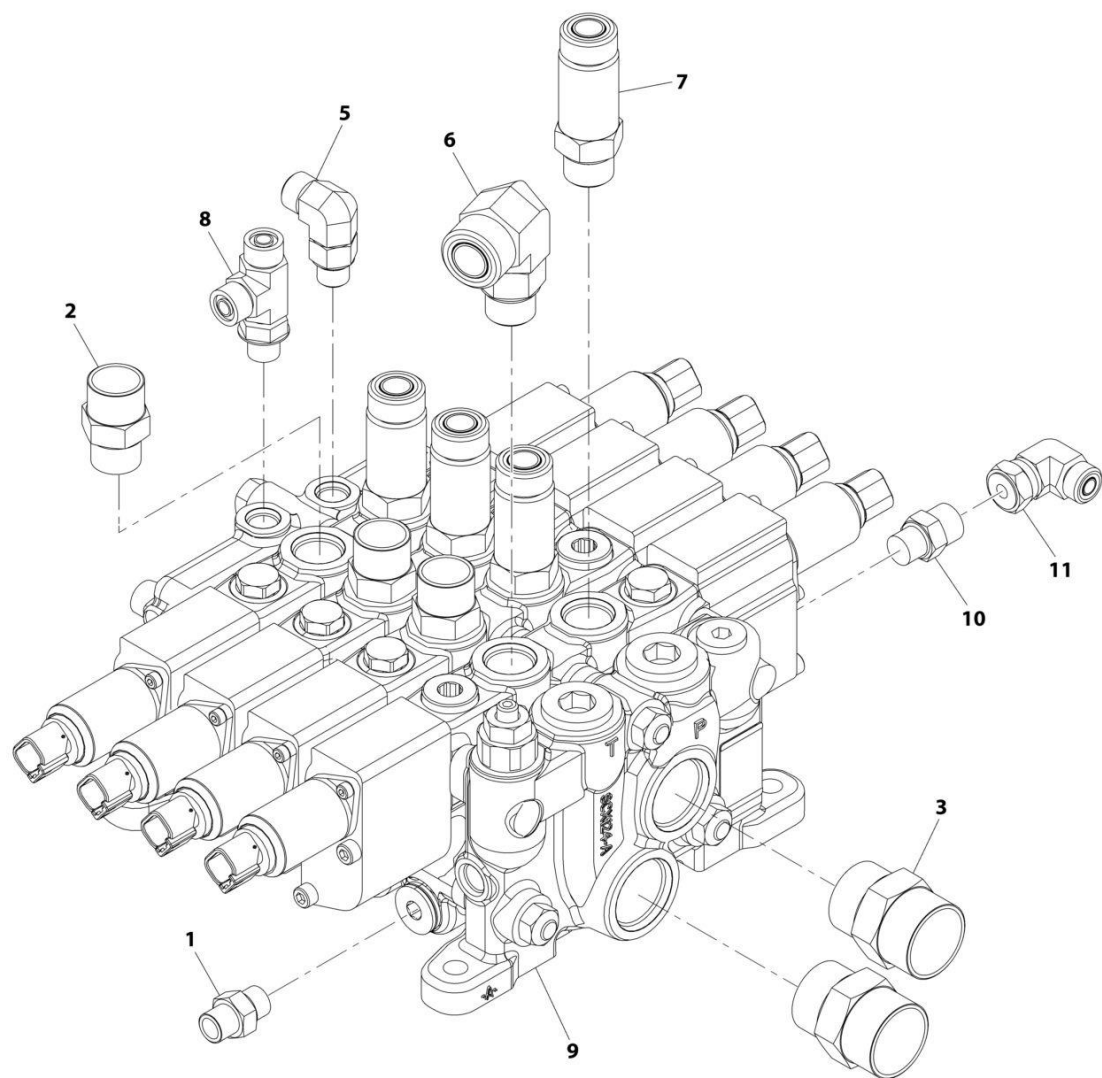
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-24. VALVE INSTALLATION - MAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225751	Ref	Main Control Valve Installation	A
1	0701016	3	Bolt, M10X40	
2	4812000	3	Washer, M10	
3	1001225752	1	Assembly, Main Control Valve Assembly (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-25. VALVE AND FITTINGS ASSEMBLY- MAIN



ART_1001225752-D

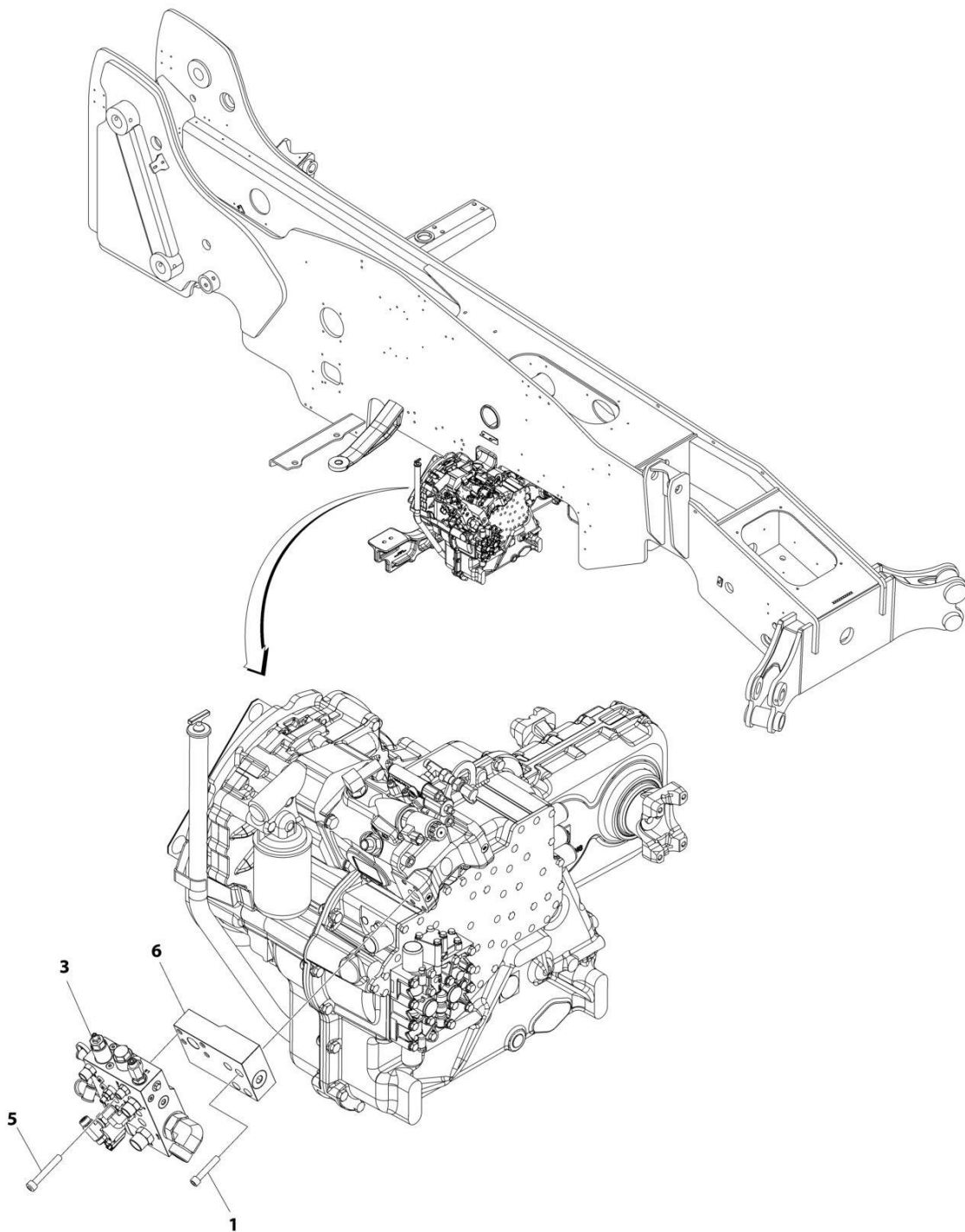
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-25. VALVE AND FITTINGS ASSEMBLY- MAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225752	Ref	Main Control Valve Assembly	D
1	2110406	1	Fitting, Straight ORFS	
2	2111010	3	Fitting, Straight ORFS	
3	2111616	2	Fitting, Straight ORFS	
5	2130606	1	Fitting, 90 ORFS	
6	2131210	1	Fitting, 90 ORFS	
7	2170110	4	Fitting, Straight ORFS	
8	2170306	1	Fitting, Tee ORFS	
9	1001241879	Ref	Valve, Main Control (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	2110606	1	Fitting, Straight ORFS	
11	2172106	1	Adapter, 90	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-26. VALVE INSTALLATION – PRIORITY



ART_1001161308_D

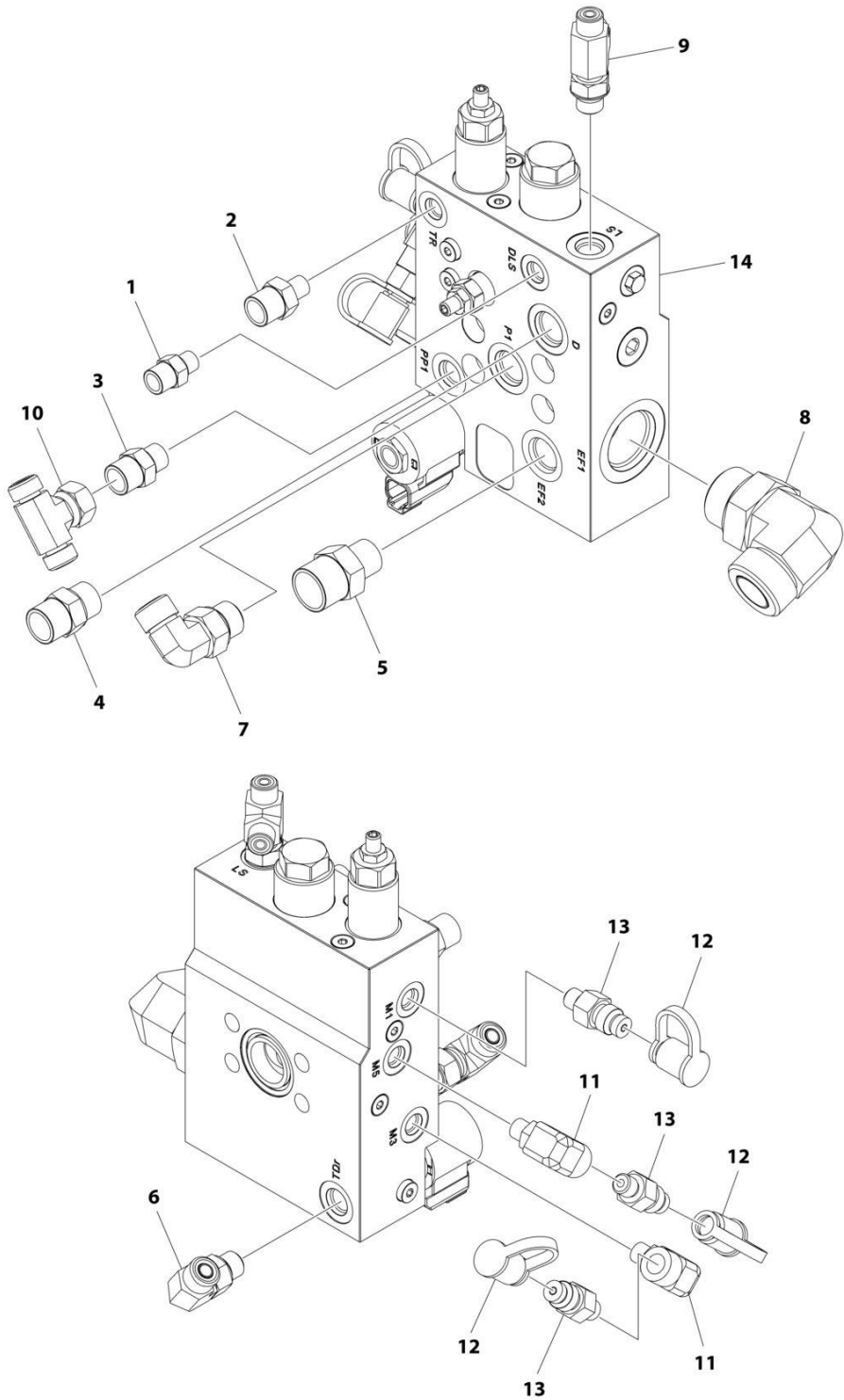
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-26. VALVE INSTALLATION – PRIORITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161308	Ref	Priority Function Manifold Installation	D
1	3931632	4	Bolt 3/8X2	
3	1001253252	1	Assembly, Priority Manifold Valve (See Separate Breakdown in this Section)	
5	4032017	4	Bolt M10X65	
6	1001252571	1	Valve, Spacer	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-27. VALVE ASSEMBLY - PRIORITY FUNCTION MANIFOLD



ART_1001253252

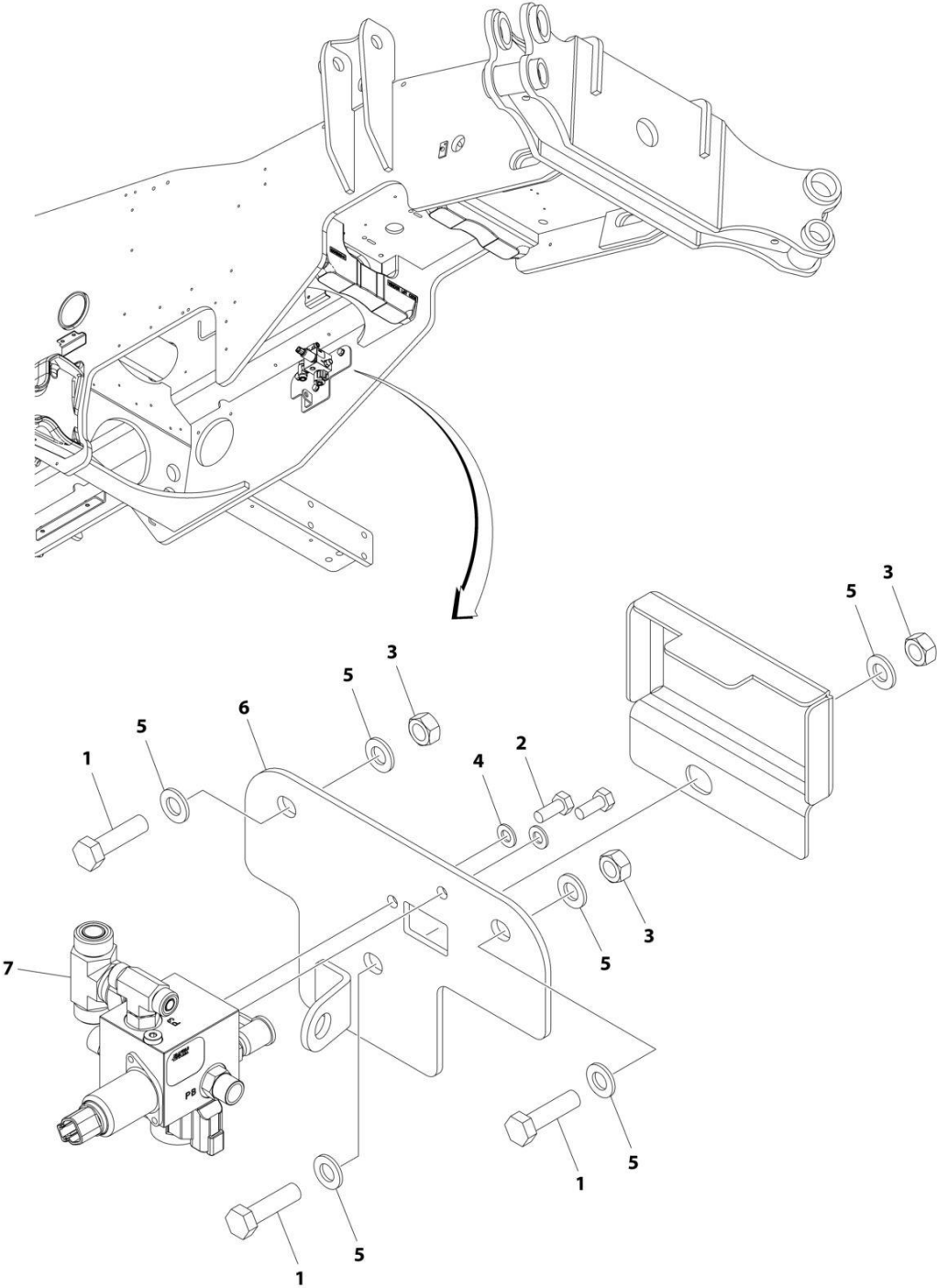
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-27. VALVE ASSEMBLY - PRIORITY FUNCTION MANIFOLD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253252	Ref	Priority Function Manifold Valve Assembly	B
1	2110406	1	Fitting, Straight ORFS	
2	2110604	1	Fitting, Straight ORFS	
3	2110606	1	Fitting, Straight ORFS	
4	2110808	1	Fitting, Straight ORFS	
5	2111008	1	Fitting, Straight ORFS	
6	2130606	1	Fitting, 90 ORFS	
7	2130808	1	Fitting, 90 ORFS	
8	2131616	1	Fitting, 90 ORFS	
9	2170350	1	Fitting, Tee ORFS/ORB/ORFS	
10	2170806	1	Fitting, Tee ORFS	
11	2221116	2	Fitting, 90 ORB	
12	8430032	3	Plug	
13	8430033	3	Fitting, Straight	
14	1001252567	1	Valve, Priority Manifold (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-28. VALVE INSTALLATION - SAHR BRAKE



ART_1001253371

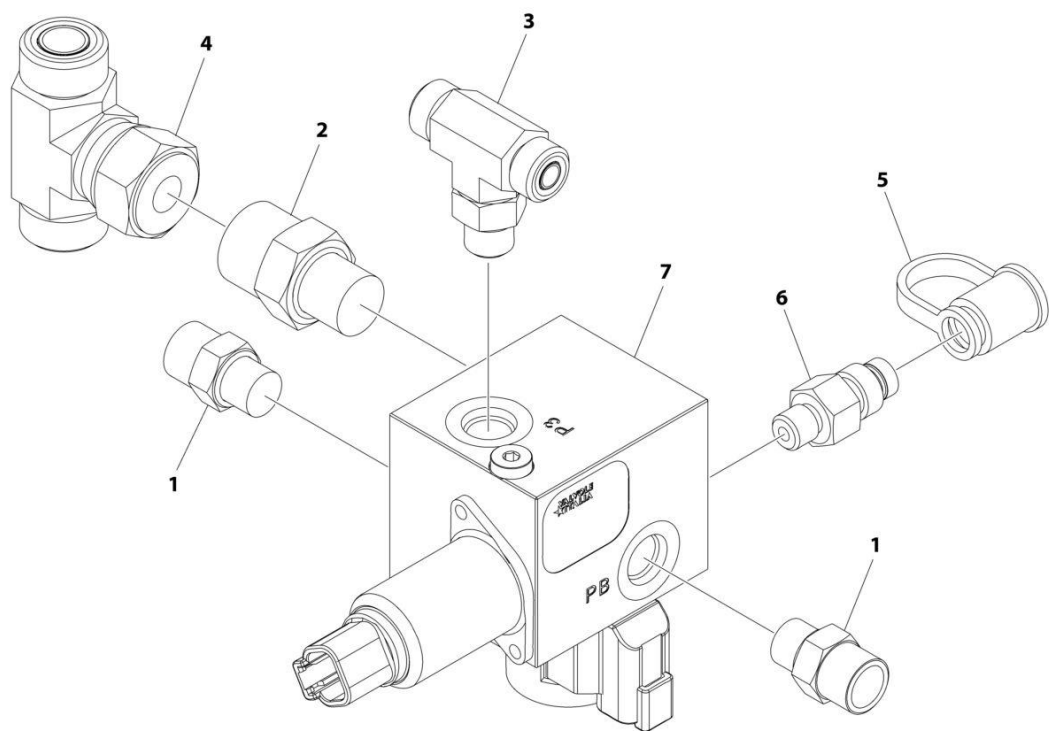
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-28. VALVE INSTALLATION - SAHR BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253371	Ref	Valve Installation - Sahr Brake	A
1	0701217	3	Bolt, M12X45	
2	0760810	2	Bolt M8X20	
3	3291201	3	Nut M12	
4	4811900	2	Washer M8	
5	4812100	6	Washer M12	
6	1001234277	1	Plate, Mounting	
7	1001253253	1	Valve, Sahr Brake (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-29. VALVE ASSEMBLY - SAHR BRAKE



ART_1001253253

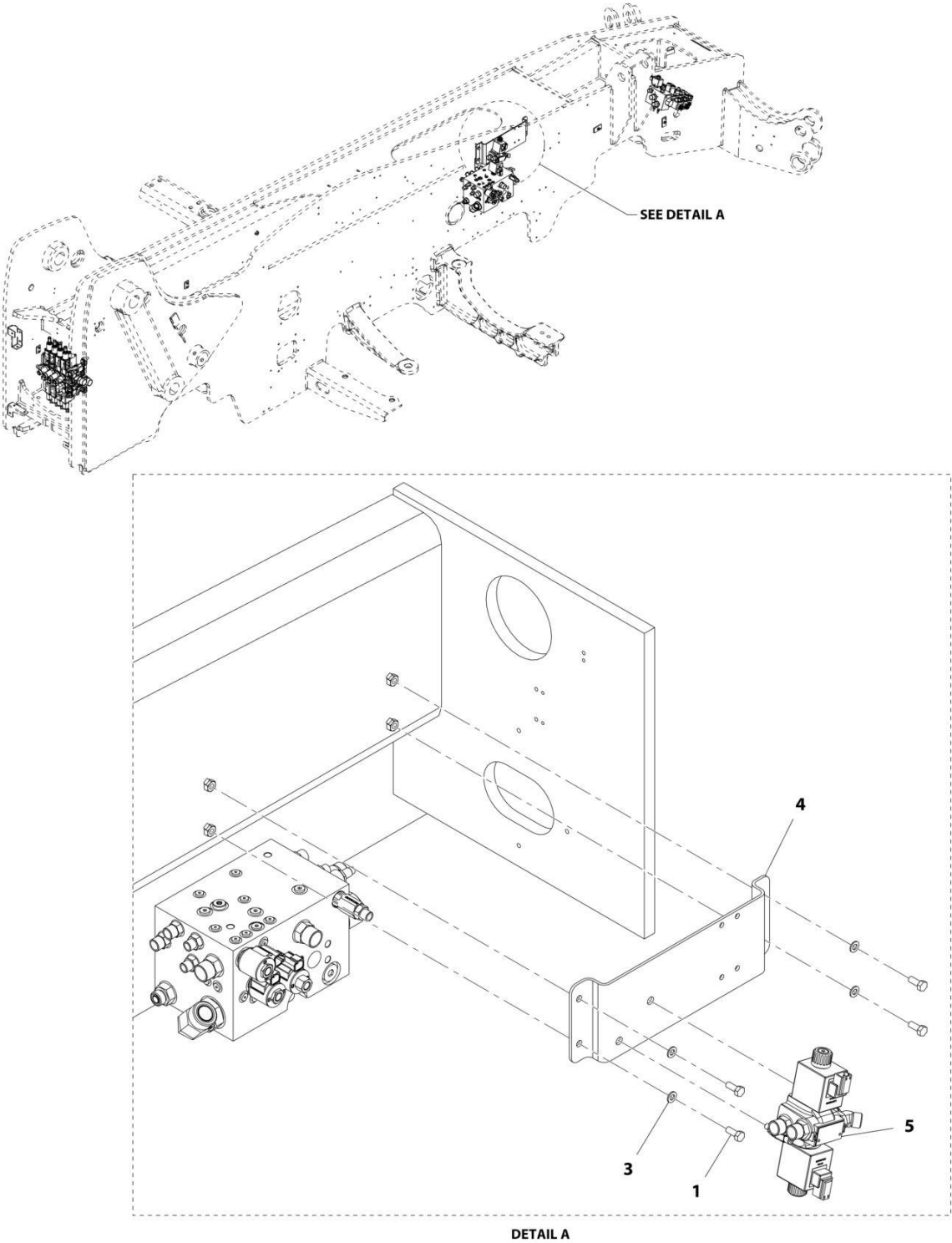
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-29. VALVE ASSEMBLY - SAHR BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253253	Ref	Valve Assembly - Sahr Brake	B
1	2110606	2	Fitting, Straight ORFS/ORB	
2	2111008	1	Fitting, Straight ORFS/ORB	
3	2170406	1	Fitting, Tee ORFS/ORB/ORFS	
4	2170810	1	Fitting, Tee ORFS/FSORFS/ORFS	
5	8430032	1	Plug	
6	8430033	1	Fitting, Straight ORB	
7	1001234127	1	Valve, Sahr Brake (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-30. VALVES MOUNTING INSTALLATION - STEER SELECT



ART_1001168464-E

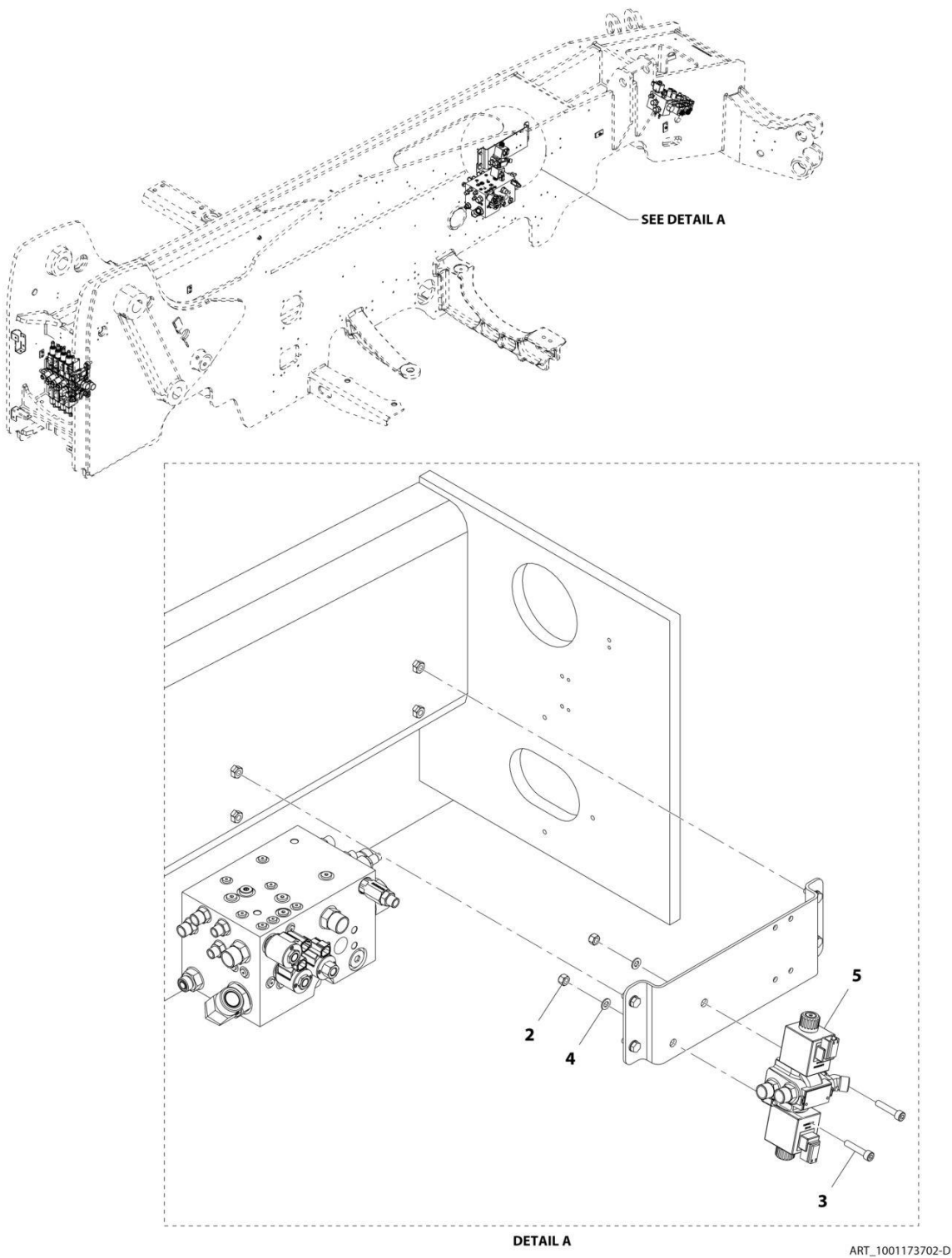
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-30. VALVES MOUNTING INSTALLATION - STEER SELECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168464	Ref	Steering Select Valve Mounting Installation	E
1	0760810	4	Bolt, M8X20	
3	4811900	4	Washer, M8	
4	1001167437	1	Bracket	
5	1001173702	Ref	Installation, Steering Select Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-31. VALVE INSTALLATION - STEER SELECT



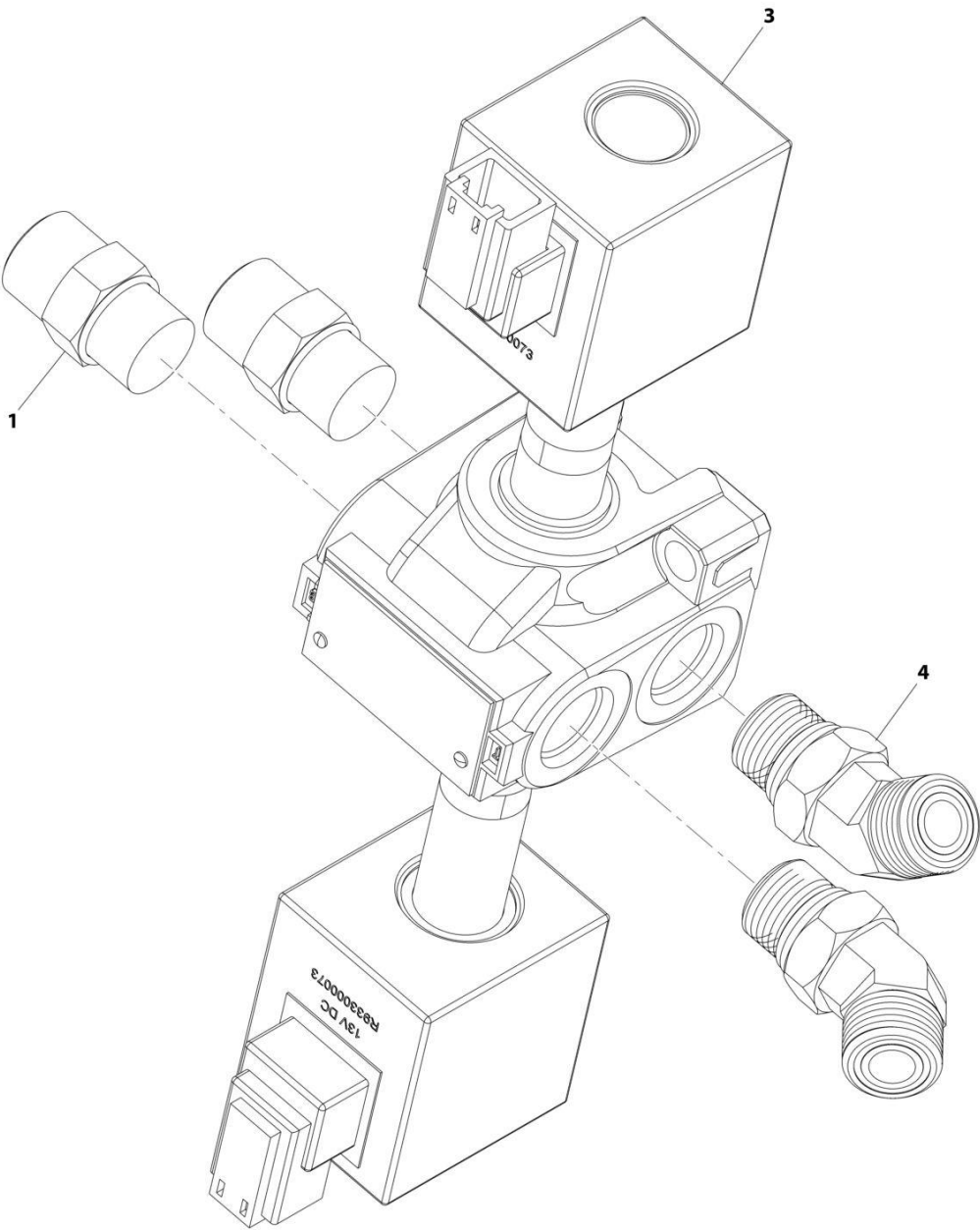
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-31. VALVE INSTALLATION - STEER SELECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173702	Ref	Steering Select Valve Installation	D
2	3290805	2	Nut, Lock M8X1.25	
3	4031912	2	Bolt, M8X40	
4	4811900	2	Washer, M8	
5	1001161304	1	Assembly, Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-32. VALVE AND FITTINGS ASSEMBLY- STEER SELECT



ART_1001161304-B

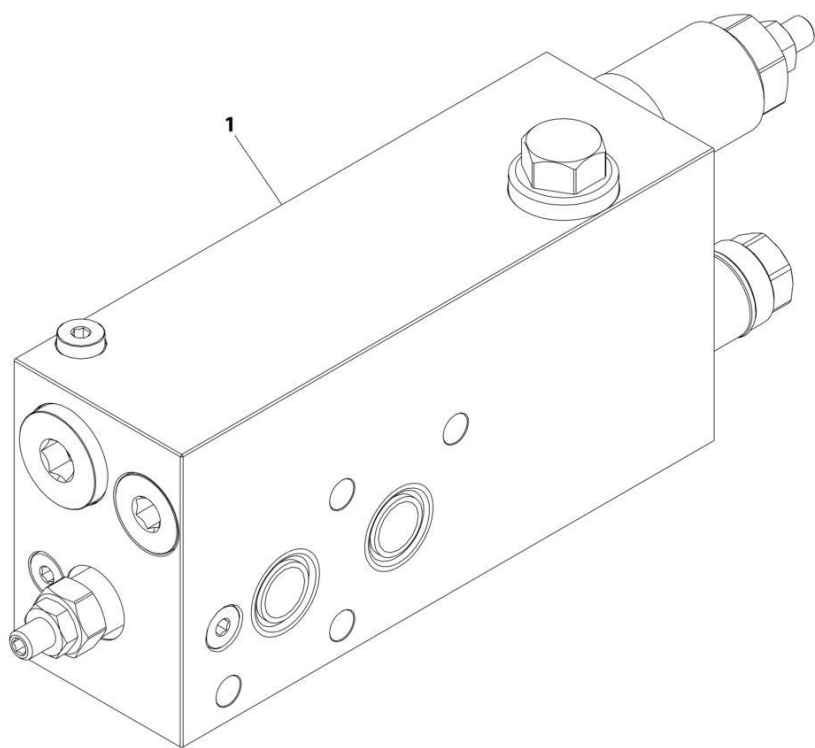
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-32. VALVE AND FITTINGS ASSEMBLY- STEER SELECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161304	Ref	Steering Select Valve Assembly	B
1	2110808	2	Fitting, Straight ORFS	
3	1001153748	1	Assembly, Valve (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
4	2150808	2	Fitting, 45 ORFS	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-33. VALVE ASSEMBLY - GLS (NO RIDE CONTROL)



ART_1001226035-B

SECTION 8 - HYDRAULIC CIRCUITS

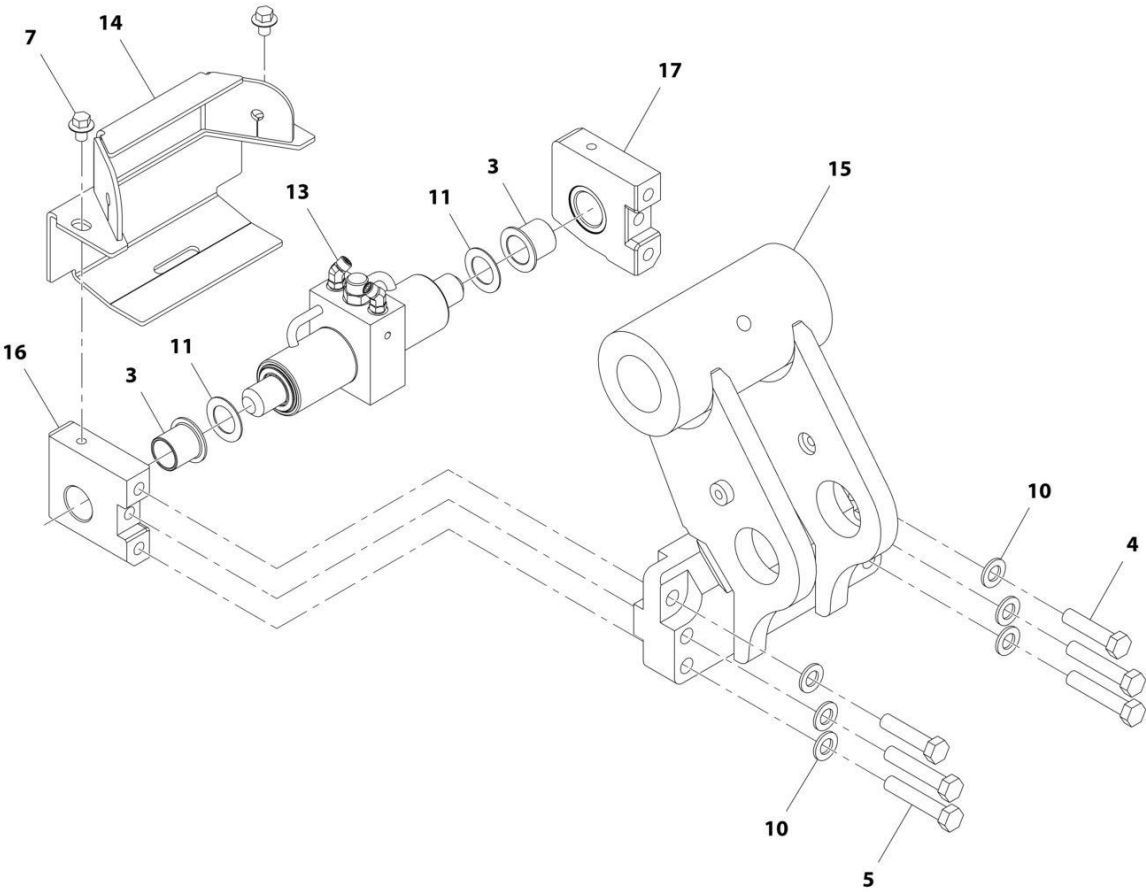
FIGURE 8-33. VALVE ASSEMBLY - GLS (NO RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001226035	Ref	Valve, Counterbalance (PGLS)	B

SECTION 9 - HYDRAULIC COMPONENTS

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. COUPLER - HYDRAULIC COUPLER



ART_1001172134

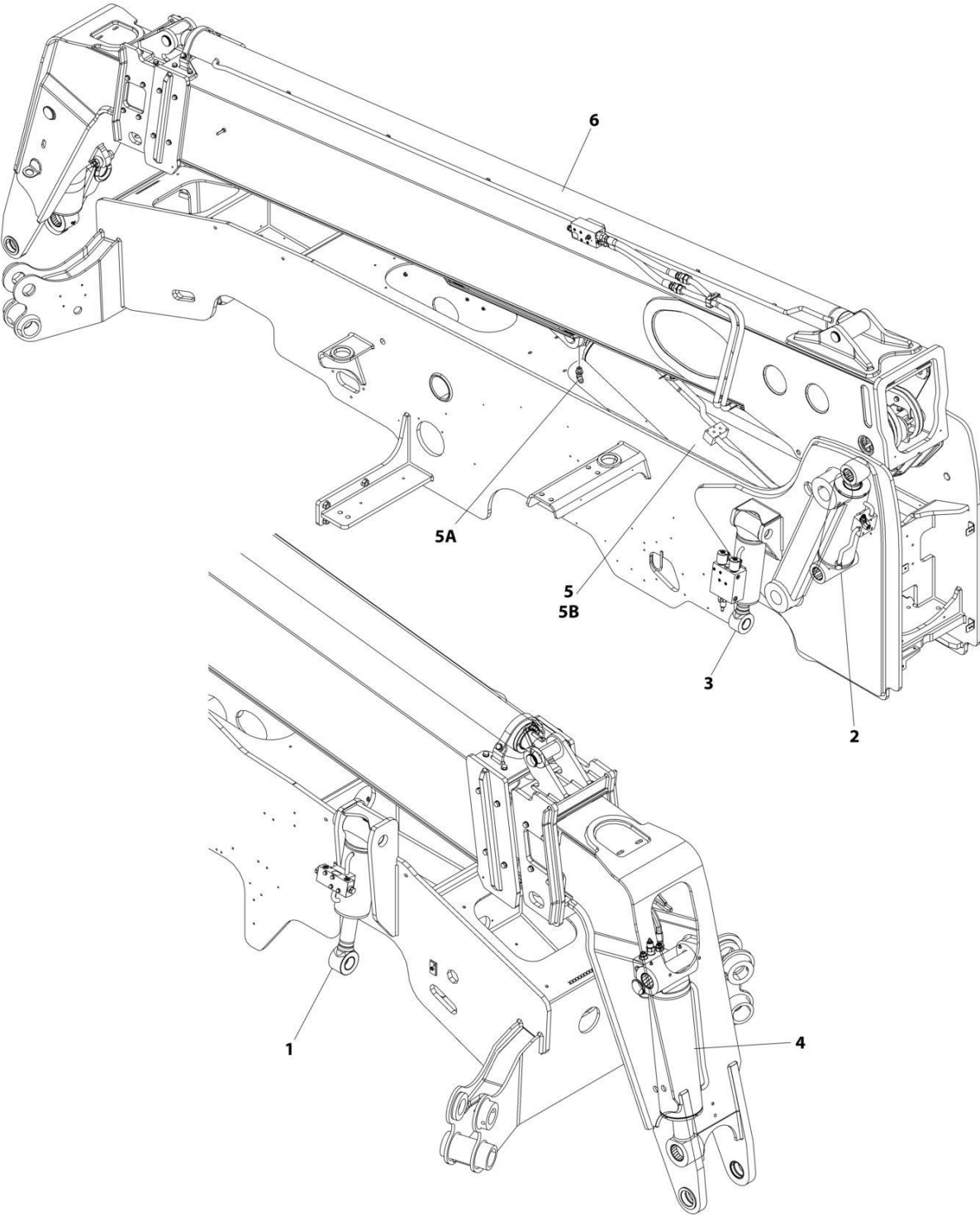
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. COUPLER - HYDRAULIC COUPLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172134	Ref	Hydraulic Quick Coupler Assembly	E
3	0440321	2	Bearing, Flange 1.5 Length	
3	1001263046	2	Bearing, Flange 1.375 Length	
4	1001191503	2	Bolt, M16X1.5X17 GR10.9	
5	1001191505	4	Bolt, M16X1.5X85 GR10.9	
7	0781208	2	Bolt, M12X16	
10	5241600	6	Washer, M16	
11	91561240	AR	Shim	
13	1001210390	1	Assembly, Quick Coupler Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
14	1001164860	1	Cover	
15	1001172075	1	Fitting, Straight	
16	1001172077	1	Plate	
17	1001172078	1	Plate	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-2. CYLINDER GROUP INSTALLATION



ART_1001227676_G

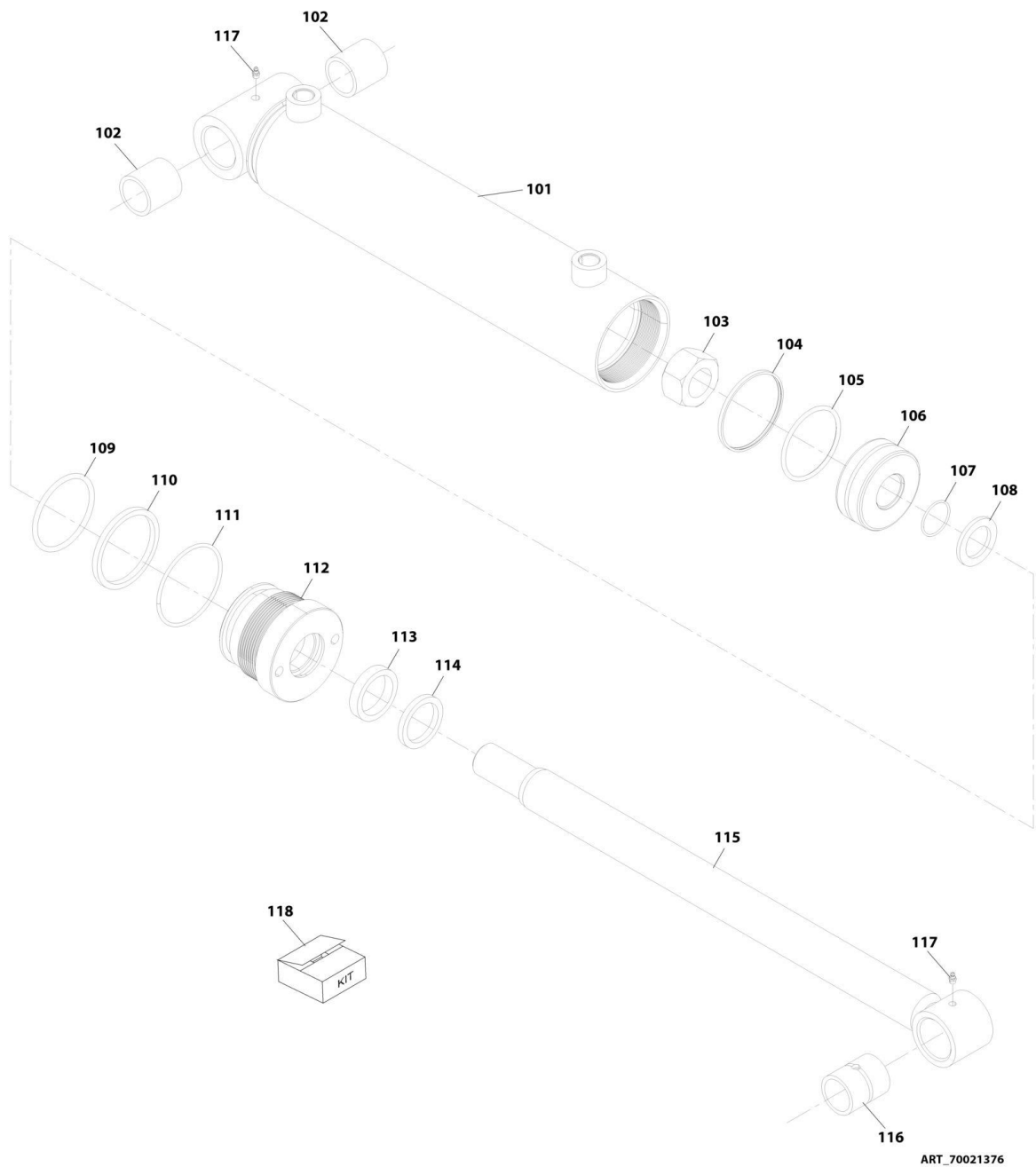
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-2. CYLINDER GROUP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227676	Ref	CYLINDER GROUP INSTALLATION	G
1	1001162076	Ref	Cylinder, Frame Level (See Separate Breakdown in this Section)	
2	1001162600	Ref	Cylinder, Compensation (See Separate Breakdown in this Section)	
3	1001164036	Ref	Cylinder, Rear Axle Stabilizer (See Separate Breakdown in this Section)	
4	1001184640	Ref	Cylinder, Tilt (See Separate Breakdown in this Section)	
5	1001264884	Ref	Installation, Lift Cylinder Assembly	A
5A	8770215	1	Elbow	
5B	1001251095	1	Cylinder, Lift (See Separate Breakdown in this Section)	
6	1001227677	Ref	Cylinder, Extend/Retract (See Separate Breakdown in this Section)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-3. CYLINDER ASSEMBLY - CARRIAGE SIDE SHIFT



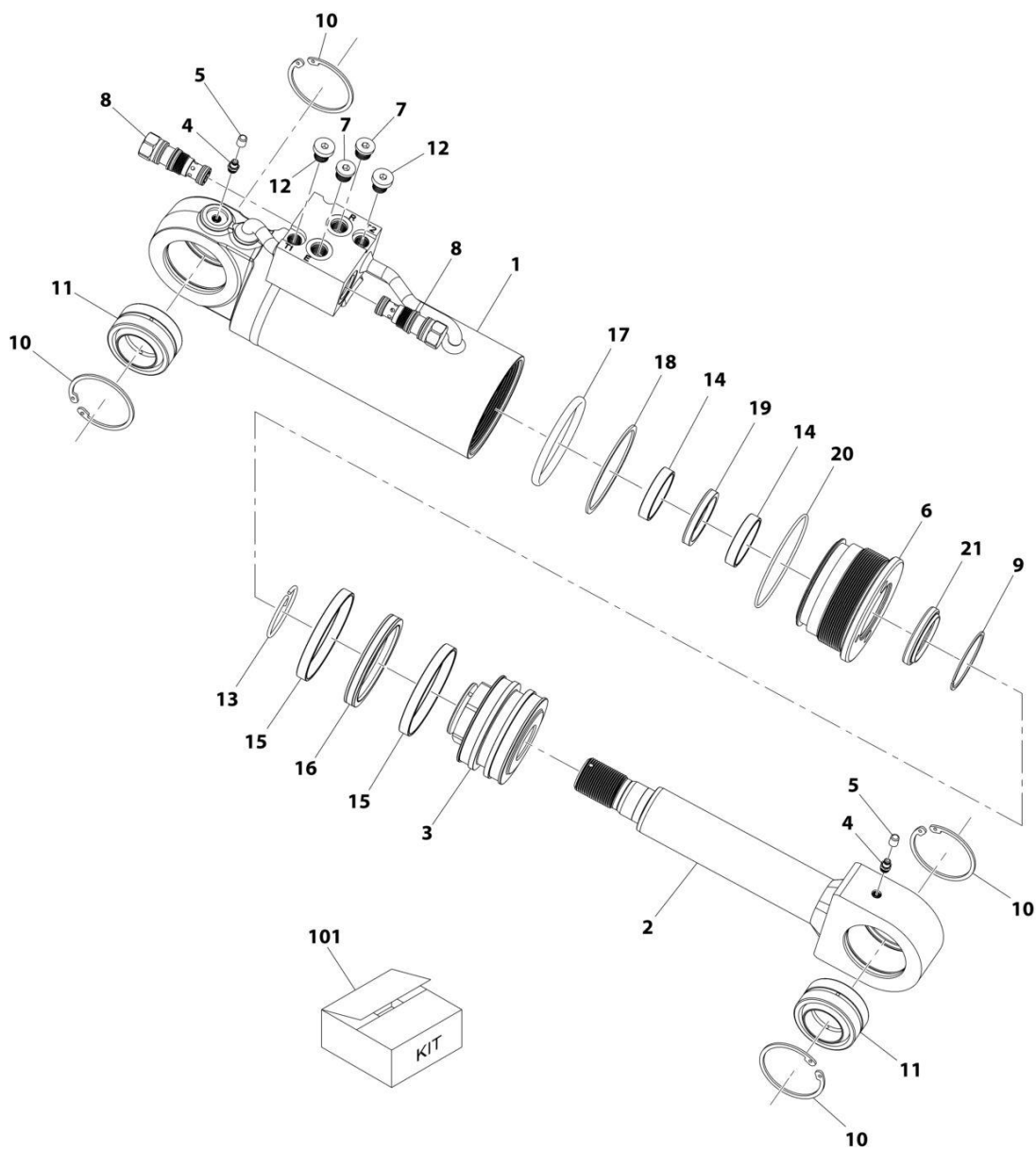
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-3. CYLINDER ASSEMBLY - CARRIAGE SIDE SHIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70021376	1	Cylinder Assembly, Side Shift Carriage 12K	
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
101	See Note	NSS	Barrel (Note: Use PN 70021376)	
102	70021448	2	Bushing	
103	70021440	1	Nut	
104	See Note	NSS	Ring, Piston (Note Use Item 118)	
105	See Note	NSS	O-Ring (Note: Use Item 118)	
106	70021451	1	Piston	
107	See Note	NSS	O-Ring (Note: Use Item 118)	
108	70021444	1	Spacer, Sheave	
109	See Note	NSS	O-Ring (Note: Use Item 118)	
110	See Note	NSS	Washer, Back-Up (Note: Use Item 118)	
111	See Note	NSS	O-Ring (Note: Use Item 118)	
112	70021446	1	Head	
113	See Note	NSS	Seal (Note: Use Item 118)	
114	See Note	NSS	Wiper, Rod (Note: Use Item 118)	
115	70021445	1	Rod	
116	70021447	1	Bushing	
117	90554045	2	Grease Fitting	
118	70021452	1	Seal Kit, (includes items 104, 105, 107, 109, 110, 111, 113 & 114)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-4. CYLINDER ASSEMBLY - CARRIAGE SIDE TILT



ART_1001163414-A

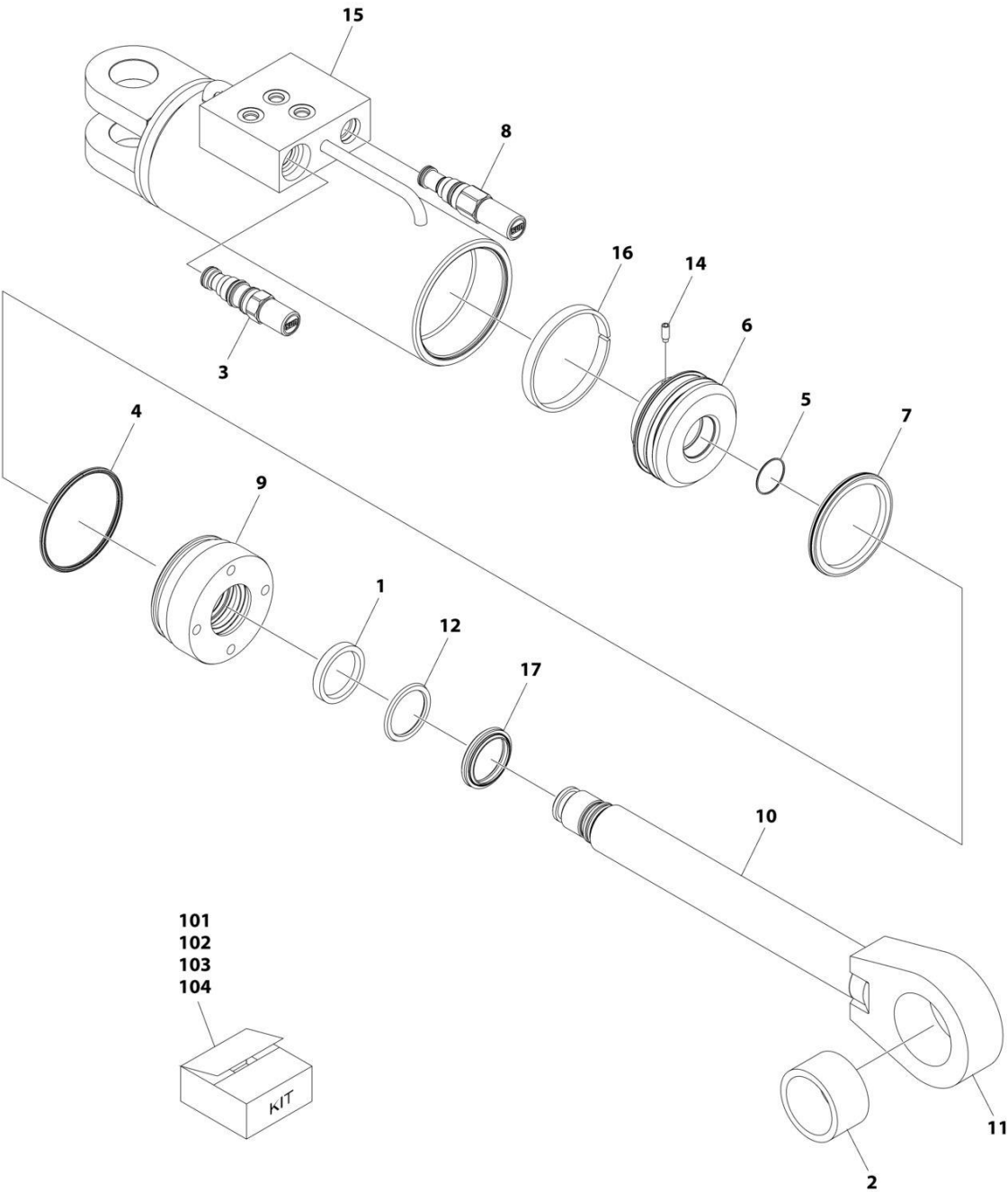
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-4. CYLINDER ASSEMBLY - CARRIAGE SIDE TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163414	Ref	Side Tilt Cylinder	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70026056	1	Barrel	
2	70026057	1	Rod	
3	70026058	1	Piston	
4	70025606	2	Nipple, Grease	
5	70024020	2	Fitting, Grease	
6	70003849	1	Head	
7	70025959	2	Plug	
8	70026059	2	Valve, Check	
9	70002219	1	Ring, Retaining	
10	70026060	4	Ring, Retaining	
11	70026061	2	Bearing	
12	70024262	2	Plug	
13	70002224	1	Ring, Lock	
14	Kit	NSS	Ring, Rod Bearing (Note: Use Item 101)	
15	Kit	NSS	Ring, Piston Bearing (Note: Use Item 101)	
16	Kit	NSS	Seal, Piston (Note: Use Item 101)	
17	Kit	NSS	O-Ring (Note: Use Item 101)	
18	Kit	NSS	Ring, Back-Up (Note: Use Item 101)	
19	Kit	NSS	Seal, Rod (Note: Use Item 101)	
20	Kit	NSS	O-Ring (Note: Use Item 101)	
21	Kit	NSS	Seal, Wiper (Note: Use Item 101)	
101	70026062	1	Kit, Seal (includes items 14 thru 21)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-5. CYLINDER ASSEMBLY - CARRIAGE SWING



ART_1001293182

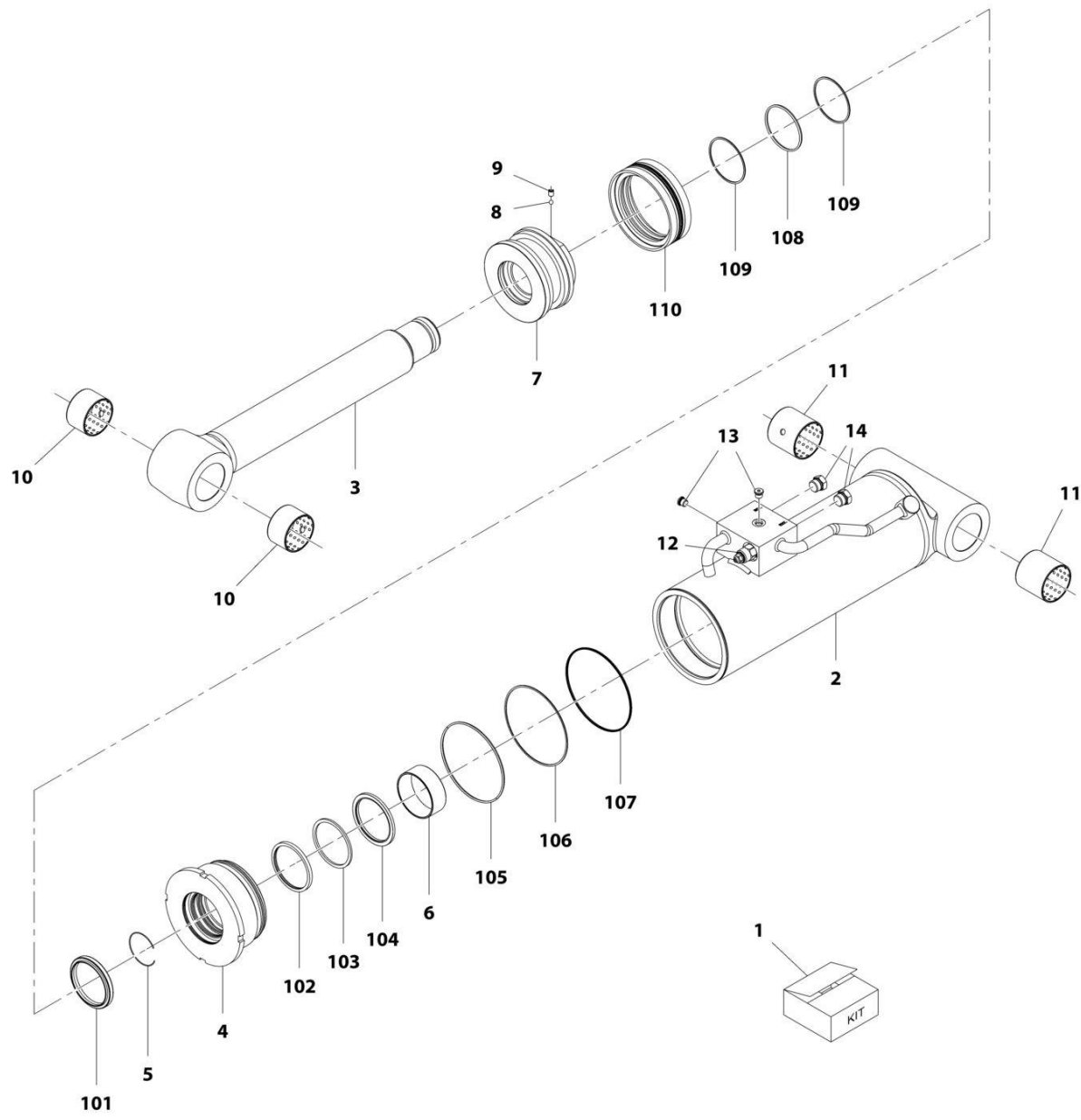
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-5. CYLINDER ASSEMBLY - CARRIAGE SWING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001293182	Ref	SWING CARRIAGR CYLINDER	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Ring, Buffer (Note: Use Item 101 or 102)	
2	70031329	1	Bushing (Note: Use Item 104)	
3	8033786	1	Valve, Counterbalance	
4	See Note	NSS	Seal, Head (Note: Use Item 101 or 102)	
5	See Note	NSS	O-Ring (Note: Use Item 101)	
6	See Note	NSS	Piston (Note: Use Item 103)	
7	See Note	NSS	Seal, Piston (Note: Use Item 101 or 103)	
8	8902842	1	Valve, Relief	
9	See Note	NSS	Retainer (Note: Use Item 102)	
10	See Note	NSS	Rod (Note: Use Item 104)	
11	See Note	NSS	Rod End (Note: Use Item 104)	
12	See Note	NSS	Seal, Rod (Note: Use Item 101 or 102)	
14	See Note	NSS	Setscrew (Note: Use Item 103)	
15	See Note	NSS	Shell Assembly (Note: No Service Parts Available)	
16	See Note	NSS	Ring, Wear (Note: Use Items 101 or 103)	
17	See Note	NSS	Wiper (Note: Use Items 101 or 102)	
101	70031325	1	Seal Kit (Includes Items # 1, 4-5, 7, 12, 16 & 17)	
102	70031326	1	Retainer Kit (Includes Items # 1, 4, 9, 12 & 17)	
103	70031327	1	Piston Kit (Includes Items # 6-7, 14 & 16)	
104	70031328	1	Rod Service Kit (Includes Items # 2 & 10-11)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-6. CYLINDER ASSEMBLY - COMPENSATION



ART_1001162600-F

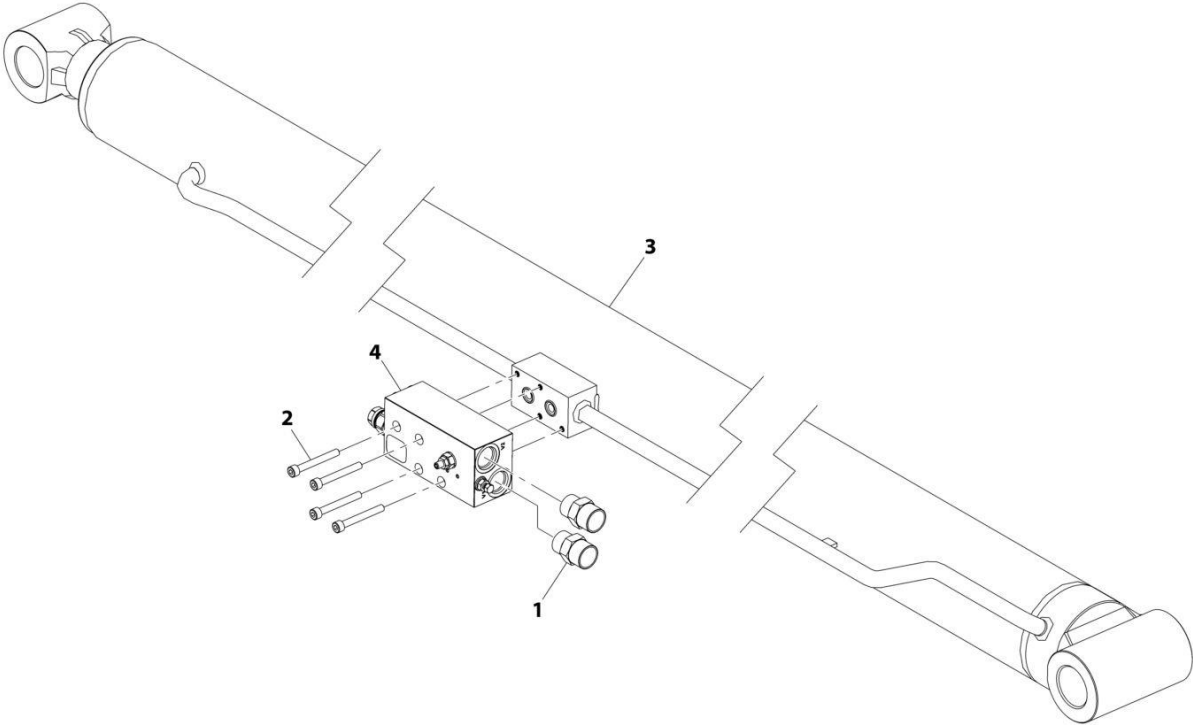
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-6. CYLINDER ASSEMBLY - COMPENSATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162600	Ref	Compensation Cylinder	F
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70026550	1	Kit, Seal (includes items 101 thru 110)	
2	70026540	1	Barrel	
3	70026541	1	Gland	
4	70026542	1	Ring, Retaining	
5	70023379	1	Ring, Retaining	
6	70026302	1	Bearing, Dry	
7	70026303	1	Piston	
8	70022564	1	Ball, Steel	
9	70023369	1	Screw, Set	
10	70026543	2	Bearing, Dry	
11	70026545	2	Bearing, Dry	
12	70026336	1	Valve, Counterbalance	
13	70023370	2	Plug, Socket	
14	70023372	2	Plug, Hex	
101	Kit	1	Wiper, Dust	
102	Kit	1	Seal, Rod	
103	Kit	1	Ring, Backup	
104	Kit	1	Ring, Buffer	
105	Kit	1	O-Ring	
106	Kit	1	Ring, Backup	
107	Kit	1	O-Ring	
108	Kit	1	O-Ring	
109	Kit	2	Ring, Backup	
110	Kit	1	Seal, Piston	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-7. CYLINDER SUB-ASSEMBLY - EXTEND/RETRACT



ART_1001227677-A

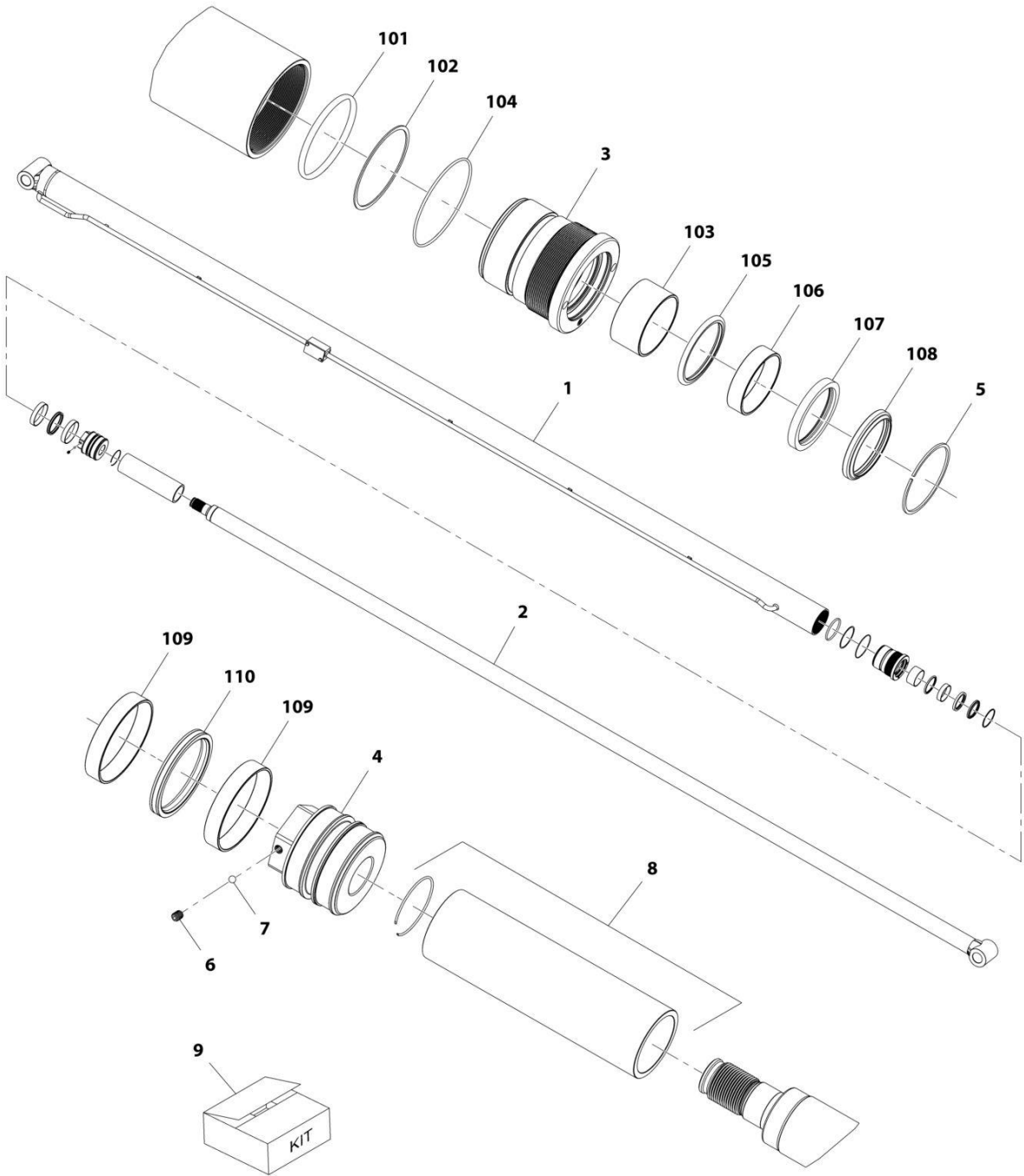
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-7. CYLINDER SUB-ASSEMBLY - EXTEND/RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227677	Ref	Extend/Retract Cylinder Assembly	A
1	2111212	2	Fitting, Straight ORFS	
2	4031917	4	Bolt, M8X65	
3	1001162685	1	Extend/Retract Cylinder (See Separate Breakdown in this Section)	
4	1001226876	1	Valve, Counterbalance (includes 2 O-Ring)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-8. CYLINDER ASSEMBLY - EXTEND/RETRACT



ART_1001162685-E

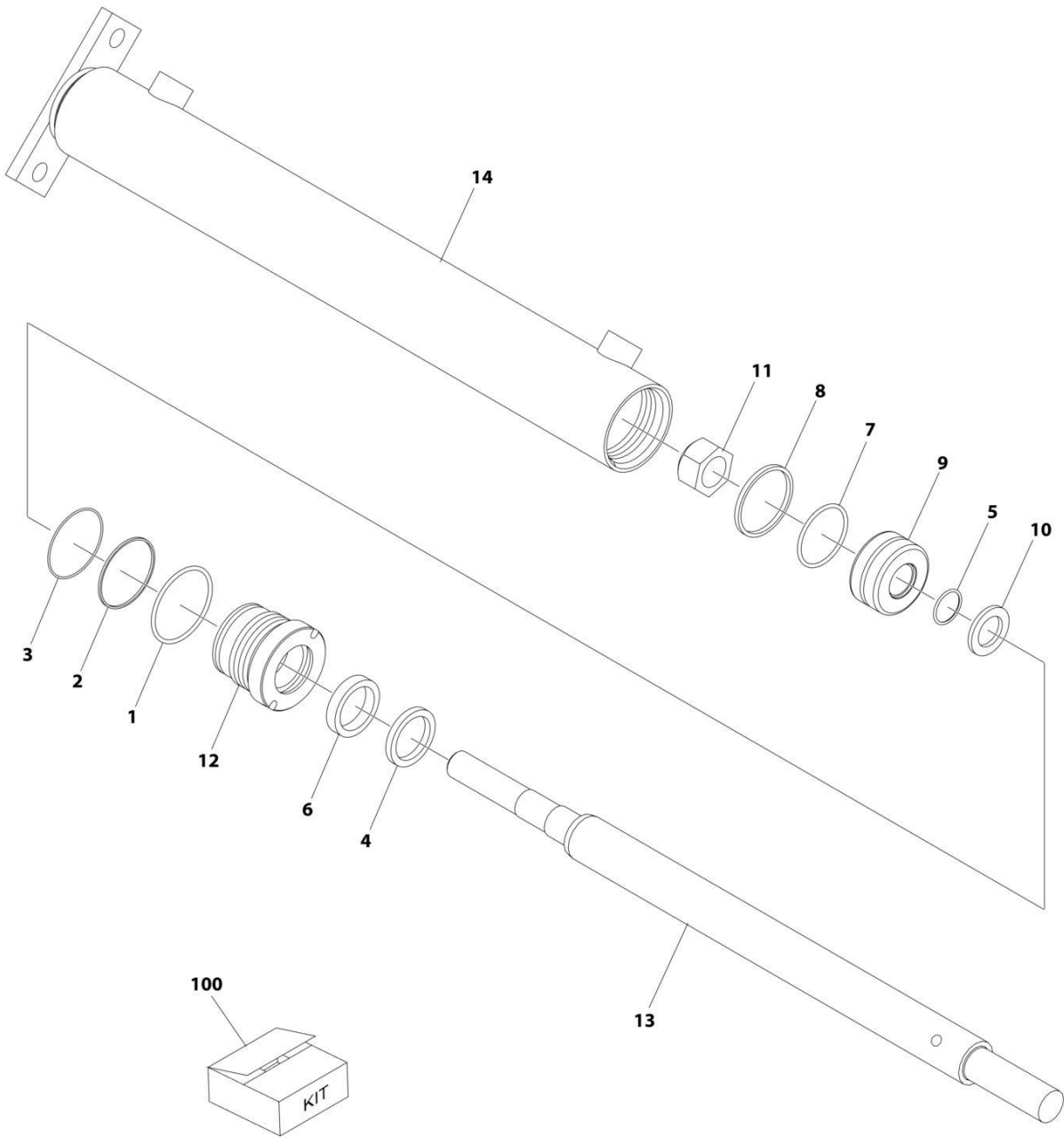
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-8. CYLINDER ASSEMBLY - EXTEND/RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162685	Ref	Extend/Retract Cylinder	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70026456	1	Barrel	
2	70026457	1	Rod	
3	70026459	1	Gland	
4	70026460	1	Head, Piston	
5	70023086	1	Ring, Snap	
6	70026461	1	Screw, Set	
7	70025614	1	Ball, Steel	
8	70026458	1	Spacer	
9	70026462	1	Kit, Seal (includes items 101 thru 110)	
101	Kit	1	O-Ring	
102	Kit	1	Ring, Backup	
103	Kit	1	Ring, Bearing	
104	Kit	1	O-Ring	
105	Kit	1	Seal, Rod	
106	Kit	1	Ring, Bearing	
107	Kit	1	Seal, Rod	
108	Kit	1	Seal, Wiper	
109	Kit	2	Ring, Bearing	
110	Kit	1	Seal, Piston	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-9. CYLINDER ASSEMBLY - FORK POSITIONING



ART_2717283

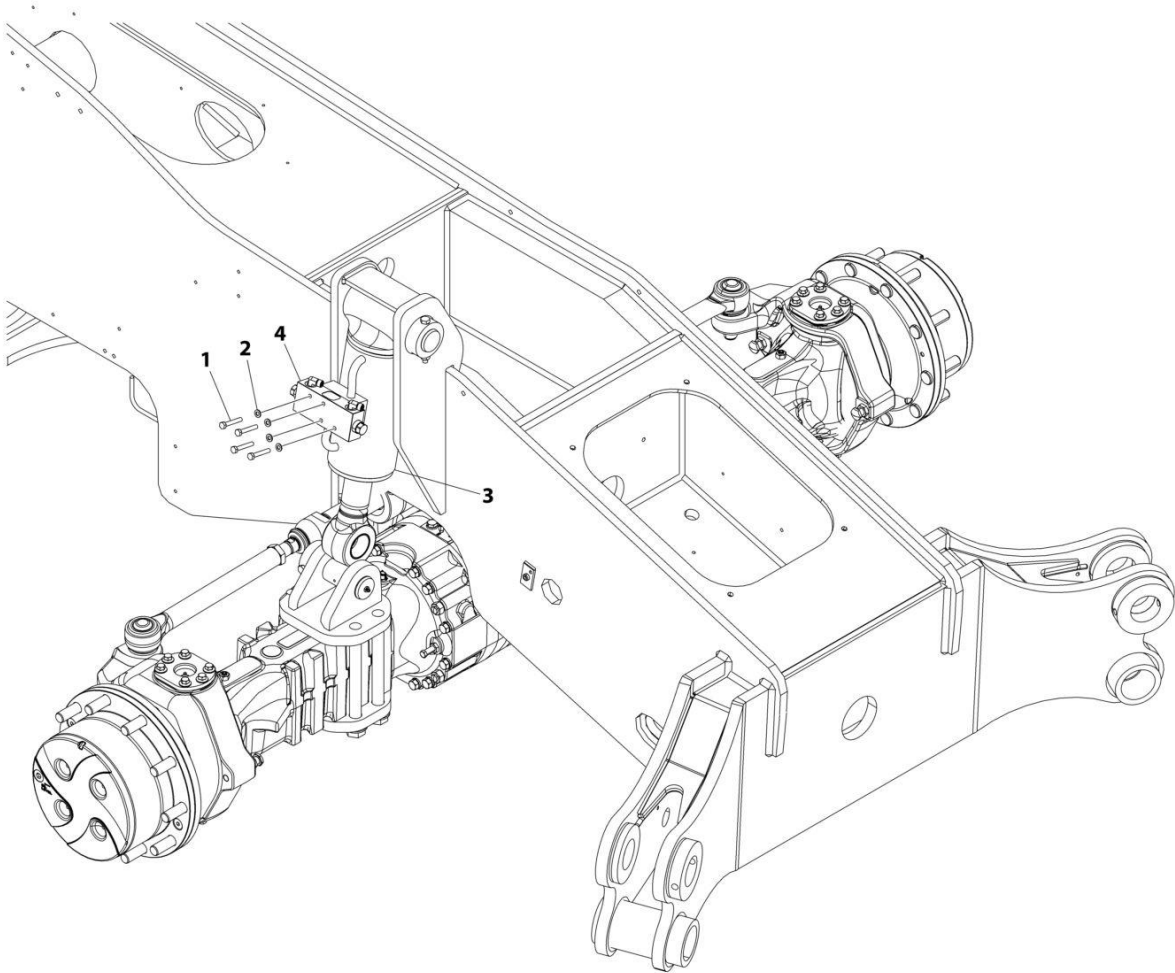
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-9. CYLINDER ASSEMBLY - FORK POSITIONING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717283	Ref	FORK POSITIONING CYLINDER	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	O-Ring (Use Item 100)	
2	See Note	NSS	Ring, Back-up (Use Item 100)	
3	See Note	NSS	O-Ring (Use Item 100)	
4	See Note	NSS	Seal (Use Item 100)	
5	See Note	NSS	O-Ring (Use Item 100)	
6	See Note	NSS	Seal (Use Item 100)	
7	See Note	NSS	O-Ring (Use Item 100)	
8	See Note	NSS	Seal (Use Item 100)	
9	70026771	1	Piston	
10	70026775	1	Washer	
11	70026770	1	Nut	
12	70026774	1	Head	
13	70026773	1	Rod	
14	See Note	NSS	Barrel (Note: Use PN 2717283)	
100	8036733	1	Seal Kit (includes items 1 thru 8)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-10. CYLINDER INSTALLATION - FRAME LEVEL



ART_1001162076_E

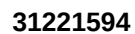
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-10. CYLINDER INSTALLATION - FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162076	Ref	FRAME LEVEL CYLINDER INSTALLATION	E
1	0700818	4	Bolt M8 x 50	
2	4811900	4	Washer M8	
3	1001267970	1	Cylinder, Frame Stability (See Separate Breakdown in this Section)	
4	1001252522	1	Valve, Counterbalance	

760

1043



ART_1001267970

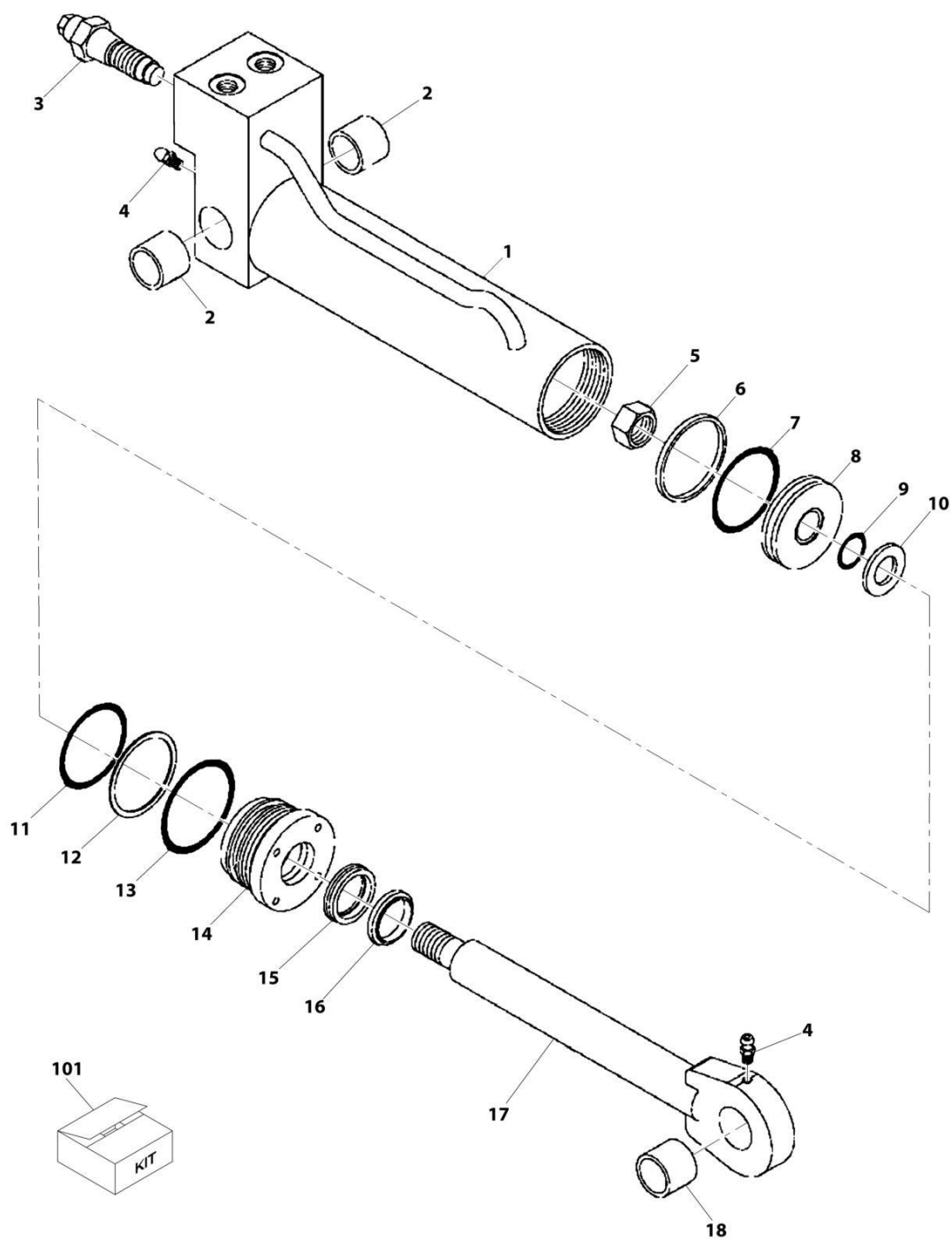
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-11. CYLINDER ASSEMBLY - FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267970	Ref	CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001267970)	
2	70030388	1	Head	
3	70030389	1	Piston	
4	70030395	1	Rod	
10	See Note	NSS	Seal, Dual (Note: Use Item 100)	
10A	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Seal, Rod (Note: Use Item 100)	
13	See Note	NSS	Wiper (Note: Use Item 100)	
14	See Note	NSS	Seal, Piston (Note: Use Item 100)	
15	See Note	NSS	Ring, Wear (Note: Use Item 100)	
19	See Note	NSS	Ring, Wear (Note: Use Item 100)	
23	See Note	NSS	Seal, Environmental (Note: Use Item 100)	
25	70030391	1	Nut 1-3/4	
35		Ref	Bolt M8 x 1-1/4	
36		Ref	Plate, Shipping	
37	70030392	1	Mask, Wiper	
41		Ref	Gasket, Shipping	
45	70030393	4	Bushing	
100	70030394	1	Seal Kit (Includes Items 10, 10A, 11, 13, 14, 15, 19 & 23)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-12. CYLINDER ASSEMBLY - GRAPPLE BUCKET



ART_70021393-A

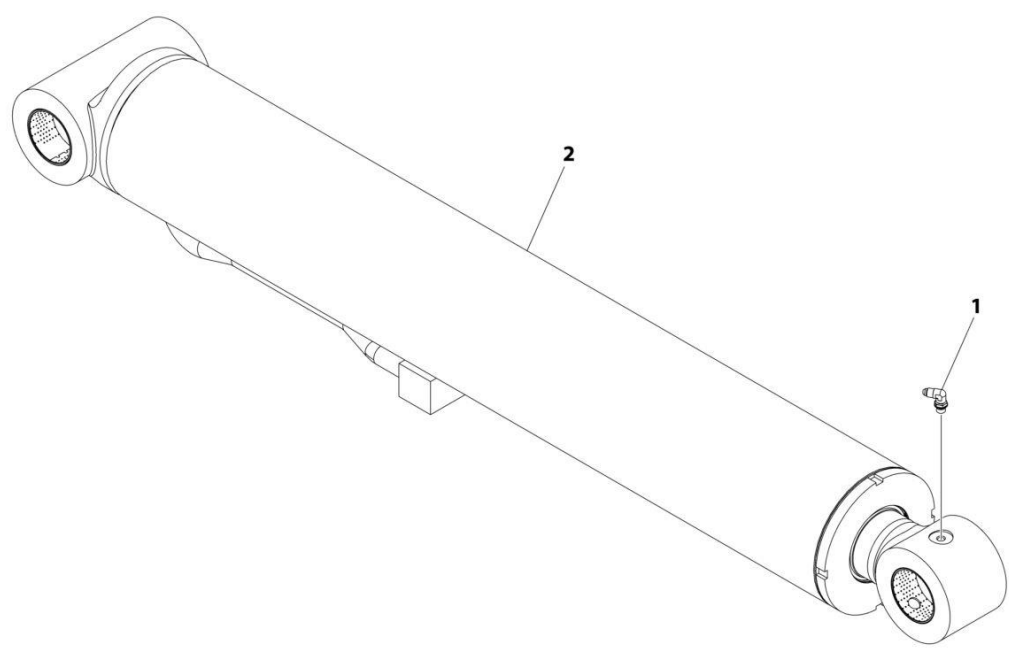
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-12. CYLINDER ASSEMBLY - GRAPPLE BUCKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70021393	Ref	Grapple Bucket Cylinder	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70021465	1	Barrel	
2	70021448	2	Bushing	
3	70021464	2	Cartridge, Valve	
4	90554045	2	Fitting, Grease	
5	70021440	1	Nut	
6	Kit	NSS	Ring, Piston (Note: Use Item 101)	
7	Kit	NSS	O-Ring (Note: Use Item 101)	
8	70021451	1	Piston	
9	Kit	NSS	O-Ring (Note: Use Item 101)	
10	70021444	1	Washer	
11	Kit	NSS	O-Ring (Note: Use Item 101)	
12	Kit	NSS	Washer, Back-Up (Note: Use Item 101)	
13	Kit	NSS	O-Ring (Note: Use Item 101)	
14	70021446	1	Head	
15	Kit	NSS	Seal, Poly-Pak (Note: Use Item 101)	
16	Kit	NSS	Wiper, Rod (Note: Use Item 101)	
17	70021466	1	Rod	
18	70021447	1	Bushing	
101	70021452	1	Kit, Seal (includes items 6, 7, 9, 11 thru 13, 15 & 16)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-13. LIFT CYLINDER ASSEMBLY, INSTALLATION



ART_1001264884

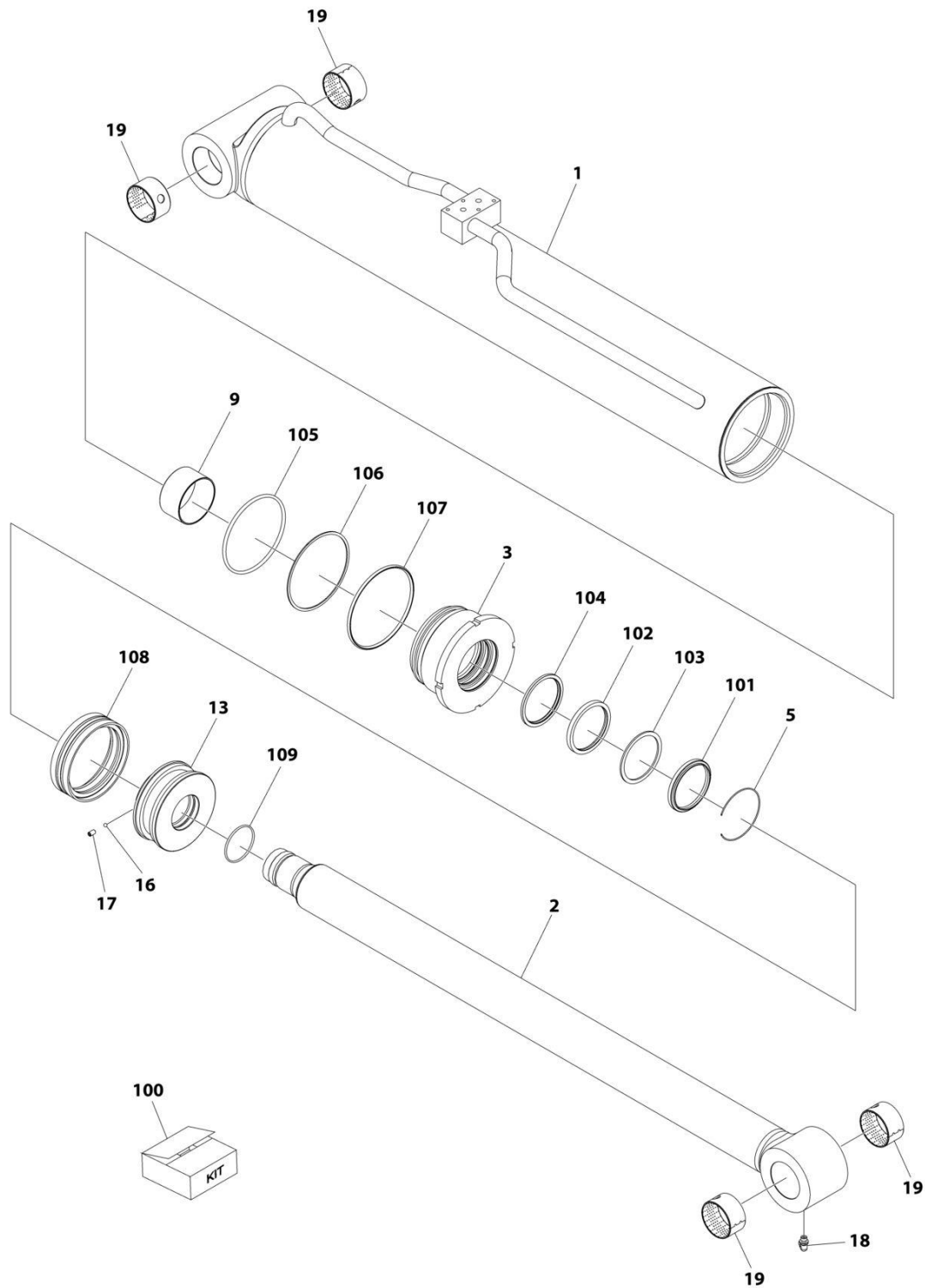
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-13. LIFT CYLINDER ASSEMBLY, INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264884	Ref	LIFT CYLINDER ASSEMBLY INSTALLATION	A
1	8770215	1	Elbow	
2	1001251095	1	Cylinder, Lift (See Separate Breakdown in this Section)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-14. CYLINDER ASSEMBLY - LIFT



ART_1001251095

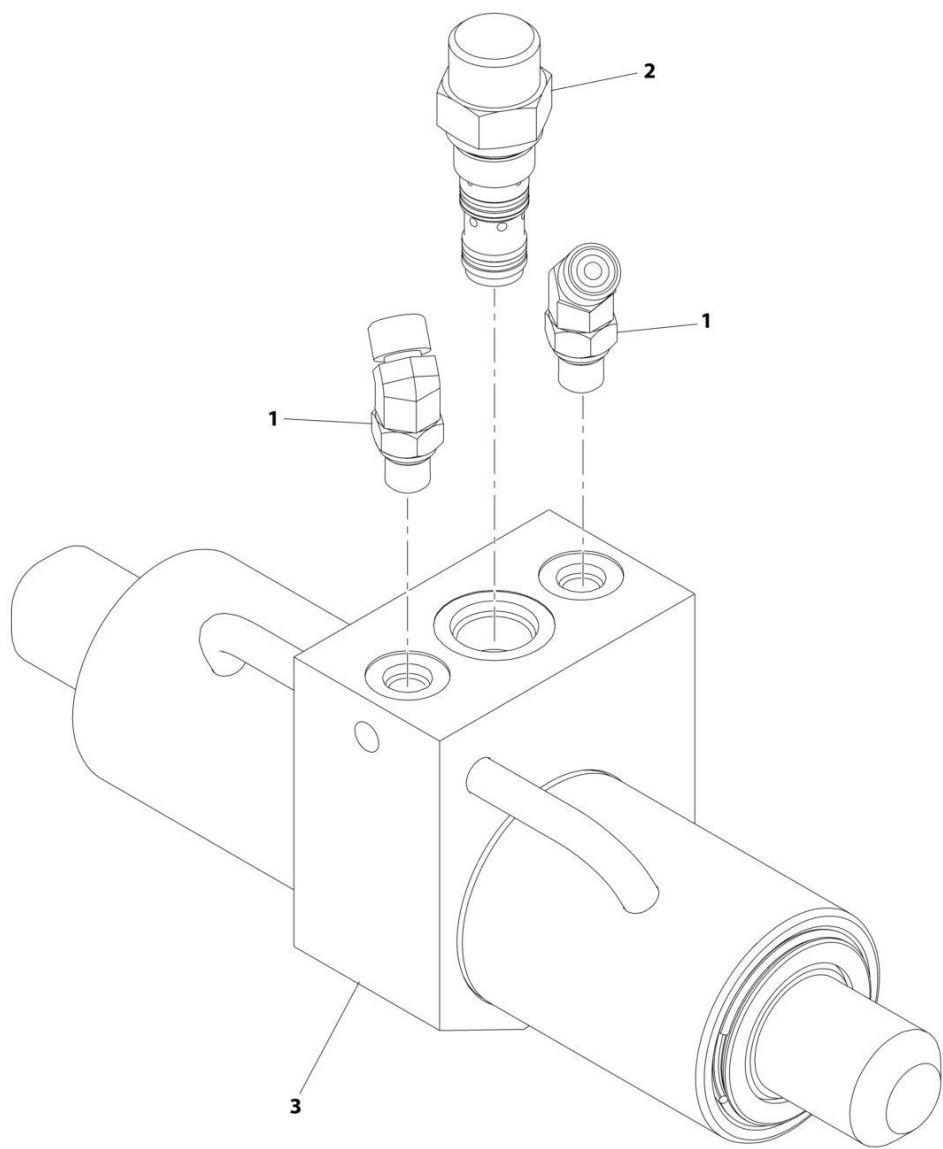
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-14. CYLINDER ASSEMBLY - LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251095	Ref	Lift Cylinder	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	N.S.S.	1	Barrel	
2	70029800	1	Rod	
3	70029801	1	Gland	
5	70023380	1	Ring, Retaining	
9	70029802	1	Bearing	
13	70029803	1	Piston	
16	70022564	1	Steel Ball	
17	70029468	1	Setscrew	
18	70023376	1	Fitting, Grease	
19	70029804	4	Bearing	
100	70029805	1	Kit, Seal (includes items 101 thru 109)	
101	Kit	1	Wiper	
102	Kit	1	Seal, Rod	
103	Kit	1	Ring, Backup	
104	Kit	1	Seal, Buffer	
105	Kit	1	O-Ring	
106	Kit	1	Ring, Backup	
107	Kit	1	O-Ring	
108	Kit	1	Piston Seal	
109	Kit	1	O-Ring	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-15. CYLINDER SUB-ASSEMBLY - QUICK COUPLER



ART_1001210390-A

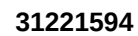
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-15. CYLINDER SUB-ASSEMBLY - QUICK COUPLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210390	Ref	Quick Coupler Cylinder Assembly	A
1	2150404	2	Fitting, 45 ORFS	
2	1001007056	1	Valve, Check	
3	1001120163	1	Cylinder, Quick Coupler (See Separate Breakdown in this Section)	

770

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ART_1001120163-D

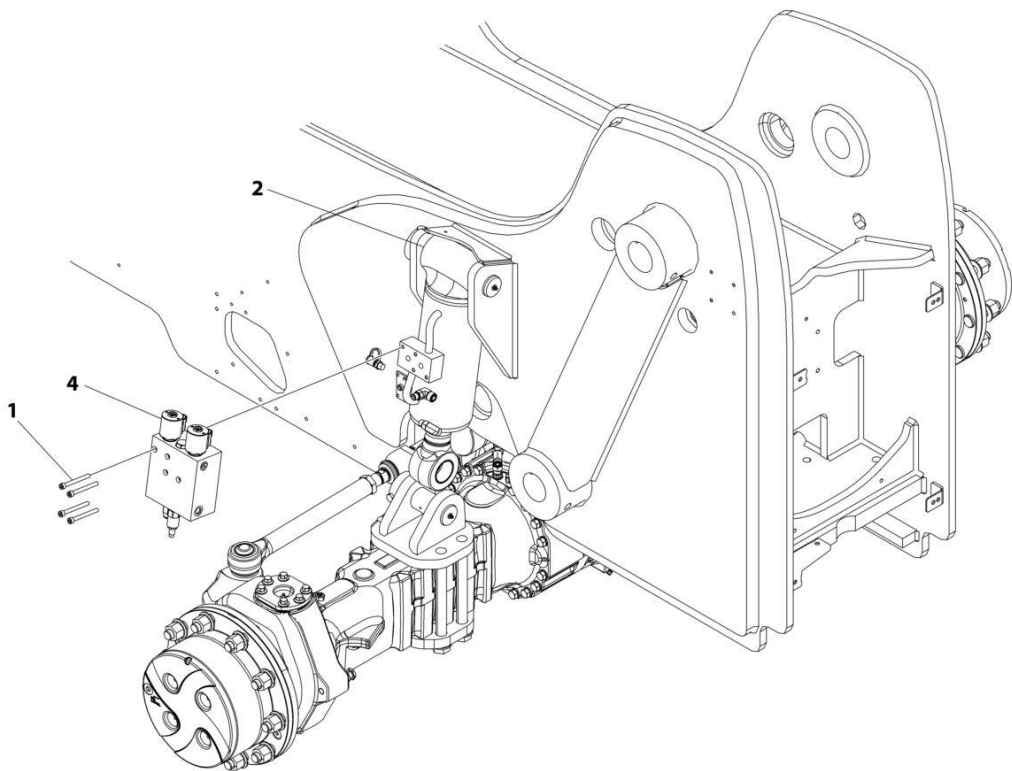
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-16. CYLINDER ASSEMBLY - QUICK COUPLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120163	Ref	Quick Coupler Cylinder	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70026211	1	Barrel	
2	70026212	2	Piston	
3	70026213	2	Head Gland	
4	70026214	2	Cylinder Rod	
5	8037140	2	Locknut	
6	Kit	2	Round Retaining Ring	
7	Kit	2	Round Retaining Ring	
8	Kit	2	O-Ring	
9	Kit	2	O-Ring	
10	Kit	2	O-Ring	
11	Kit	2	Square Ring	
12	Kit	2	Backup Ring	
13	Kit	2	Rod Seal	
14	Kit	2	Piston Seal	
15	Kit	2	Rod Wiper	
100	70026215	1	Seal Kit (includes items 6 thru 15)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-17. CYLINDER INSTALLATION - REAR AXLE STABILIZER



ART_1001164036_F

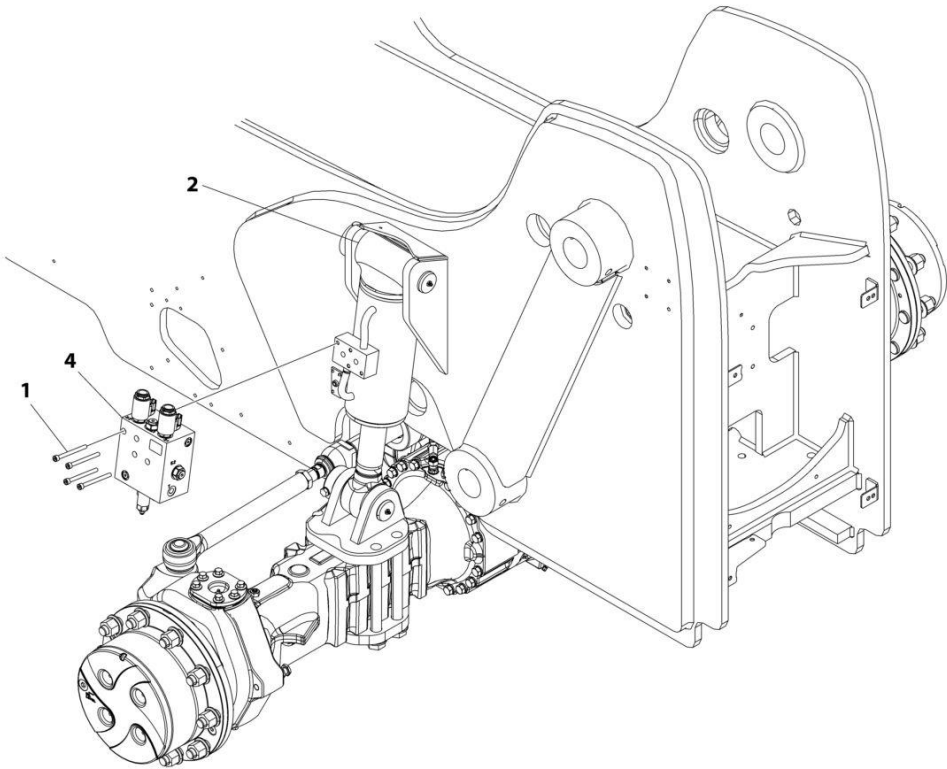
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-17. CYLINDER INSTALLATION - REAR AXLE STABILIZER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164036	Ref	REAR AXLE STABILIZER CYLINDER INSTALLATION	F
1	4031920	4	Screw M8 x 1-1/4	
2	1001267969	1	Cylinder, Frame Stability (See Separate Breakdown in this Section)	
4	1001197600	Ref	Valve (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-18. CYLINDER & VALVE INSTALLATION - STABILIZER (REAR AXLE) (SN 0160126807 to Present)



ART_1001164036_G

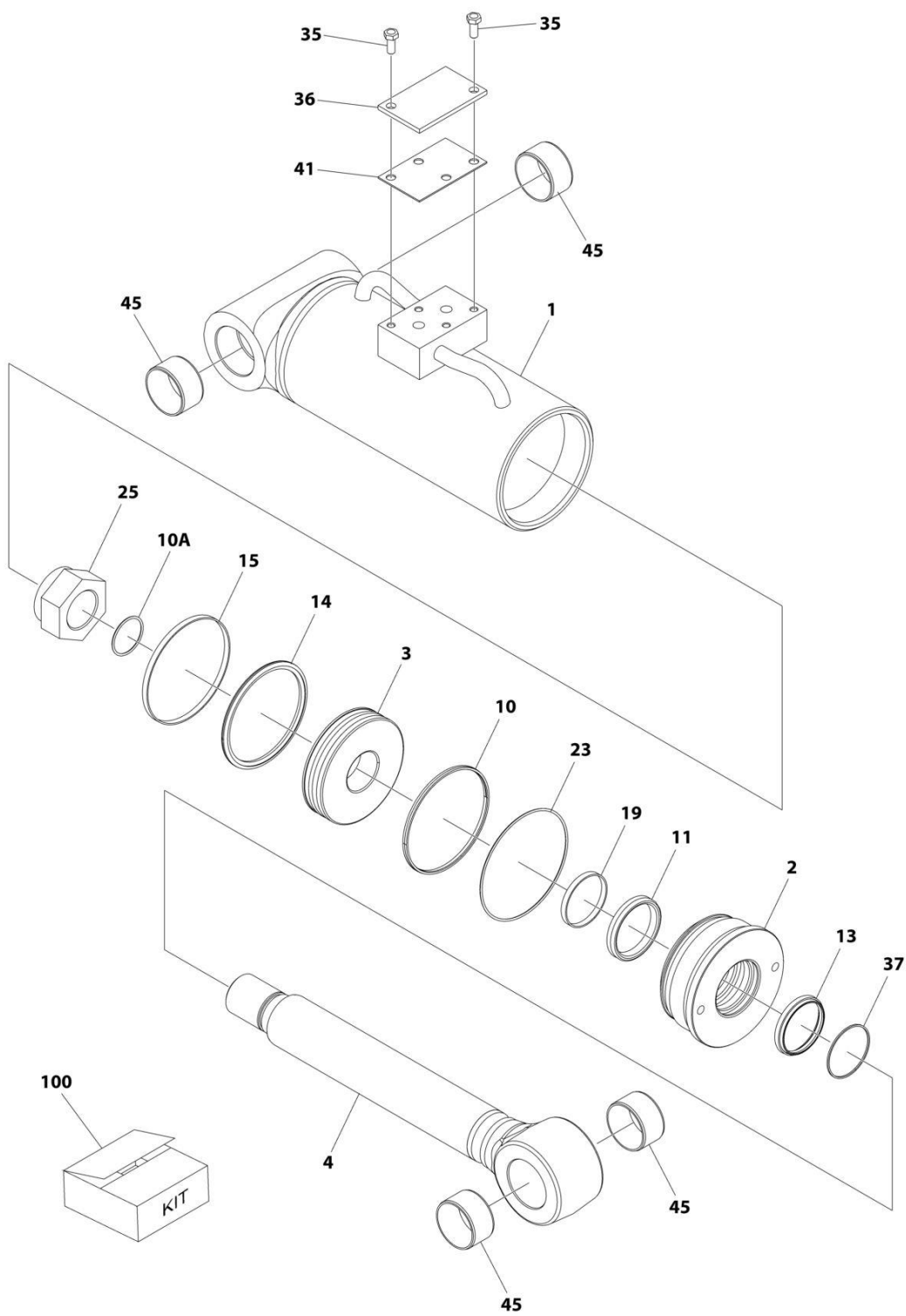
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-18. CYLINDER & VALVE INSTALLATION - STABILIZER (REAR AXLE) (SN 0160126807 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164036	Ref	REAR AXLE STABILIZER CYLINDER INSTALLATION	G
1	4031922	4	Screw M8 x 90	
2	1001267969	1	Cylinder, Frame Stability (See Separate Breakdown in this Section)	
4	1001293251	1	Valve	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-19. CYLINDER ASSEMBLY - STABILIZER (REAR AXLE)



ART_1001267969

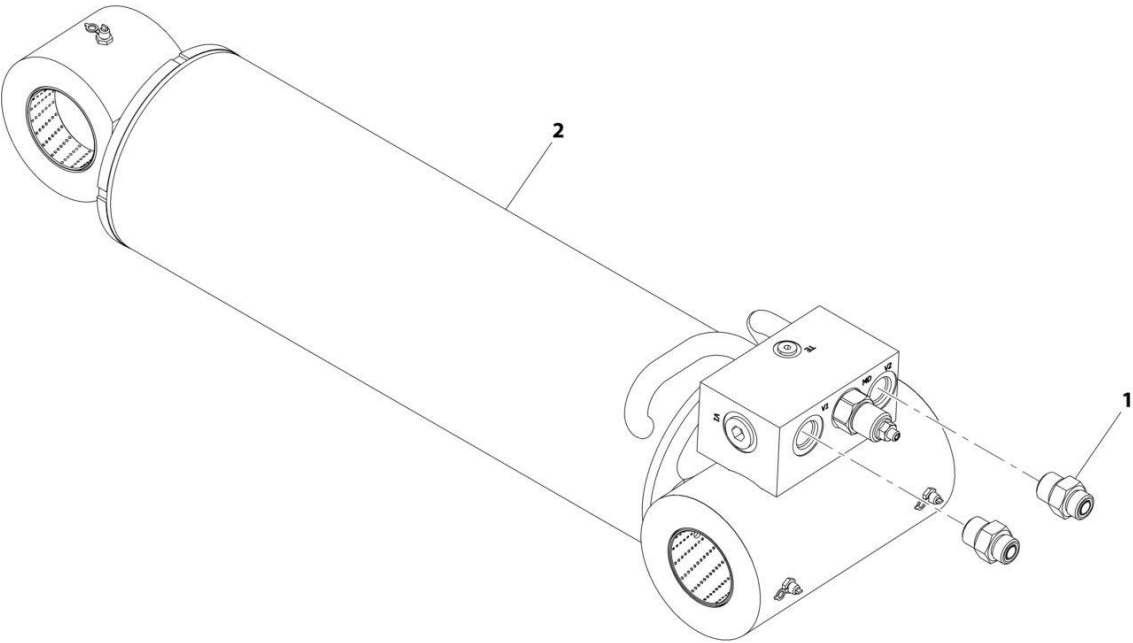
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-19. CYLINDER ASSEMBLY - STABILIZER (REAR AXLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267969	Ref	CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001267969)	
2	70030388	1	Head	
3	70030389	1	Piston	
4	70030390	1	Rod	
10	See Note	NSS	Seal, Dual (Note: Use Item 100)	
10A	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Seal, Rod (Note: Use Item 100)	
13	See Note	NSS	Wiper (Note: Use Item 100)	
14	See Note	NSS	Seal, Piston (Note: Use Item 100)	
15	See Note	NSS	Ring, Wear (Note: Use Item 100)	
19	See Note	NSS	Ring, Wear (Note: Use Item 100)	
23	See Note	NSS	Seal, Environmental (Note: Use Item 100)	
25	70030391	1	Nut 1-3/4	
35		Ref	Bolt M8 x 1-1/4	
36		Ref	Plate, Shipping	
37	70030392	1	Mask, Wiper	
41		Ref	Gasket, Shipping	
45	70030393	4	Bushing	
100	70030394	1	Seal Kit (Includes Items 10, 10A, 11, 13, 14, 15, 19 & 23)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-20. CYLINDER SUB-ASSEMBLY - TILT



ART_1001184640_D

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-20. CYLINDER SUB-ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001184640	Ref	Tilt Cylinder Assembly	D
	2110810	2	Fitting, Straight ORFS	
	1001251073	Ref	Tilt Cylinder (See Separate Breakdown in this Section)	

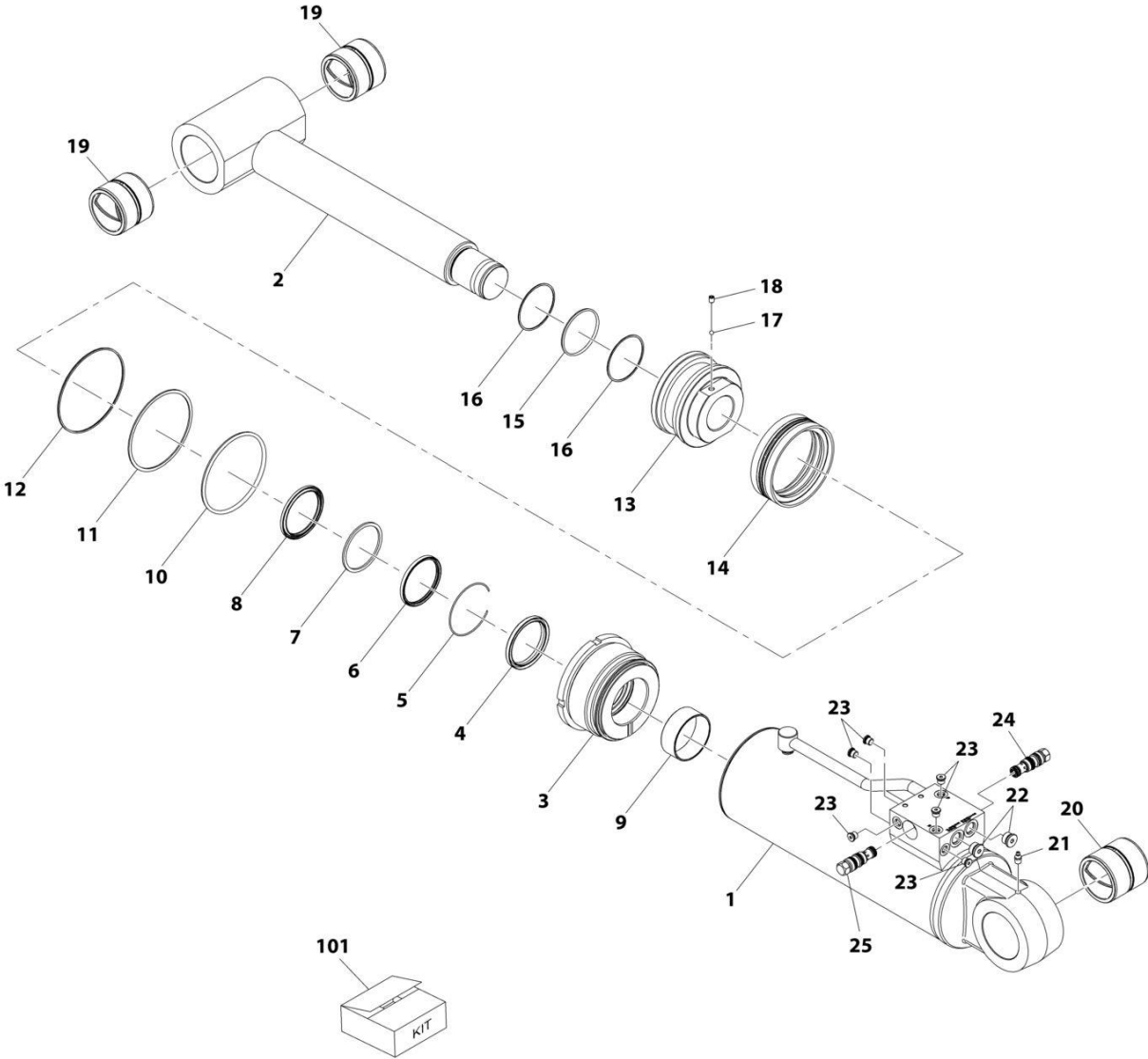
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-21. CYLINDER ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251073	Ref	CYLINDER ASSEMBLY - TILT	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1001168038	2	Bushing	
2	1001168041	2	Bushing	
3	1001189888	1	Valve, Counterbalance	
101	SEE NOTE	NSS	Barrel (Note: Use PN 1001251073)	
102	70031339	1	Rod	
103	70031340	1	Head	
104	SEE NOTE	NSS	Wiper, Dust (Note: Use Item 201)	
105	70023379	1	Ring, Retaining	
106	See Note	NSS	Seal, Rod (Note: Use Item 201)	
107	See Note	NSS	Ring, Backup (Note: Use Item 201)	
108	See Note	NSS	Ring, Buffer (Note: Use Item 201)	
109	70026302	1	Bushing	
110	See Note	NSS	O-Ring (Note: Use Item 201)	
111	See Note	NSS	Ring, Backup (Note: Use Item 201)	
112	70031341	1	O-Ring	
113	70031342	1	Piston	
114	See Note	NSS	Seal, Piston (Note: Use Item 201)	
115	See Note	NSS	O-Ring (Note: Use Item 201)	
116	See Note	NSS	Ring, Backup (Note: Use Item 201)	
117	70022564	1	Bearing, Ball	
118	70023369	1	Set-Screw	
120	70005433	3	Plug	
121	2220883	1	Plug	
124	70029469	3	Nipple, Grease	
201	70031343	1	Seal Kit - 1001251073 Cylinder (Includes Items 104, 106-108, 110, 111 & 114-116)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-22. CYLINDER ASSEMBLY - OUTRIGGER



ART_1001213065-C

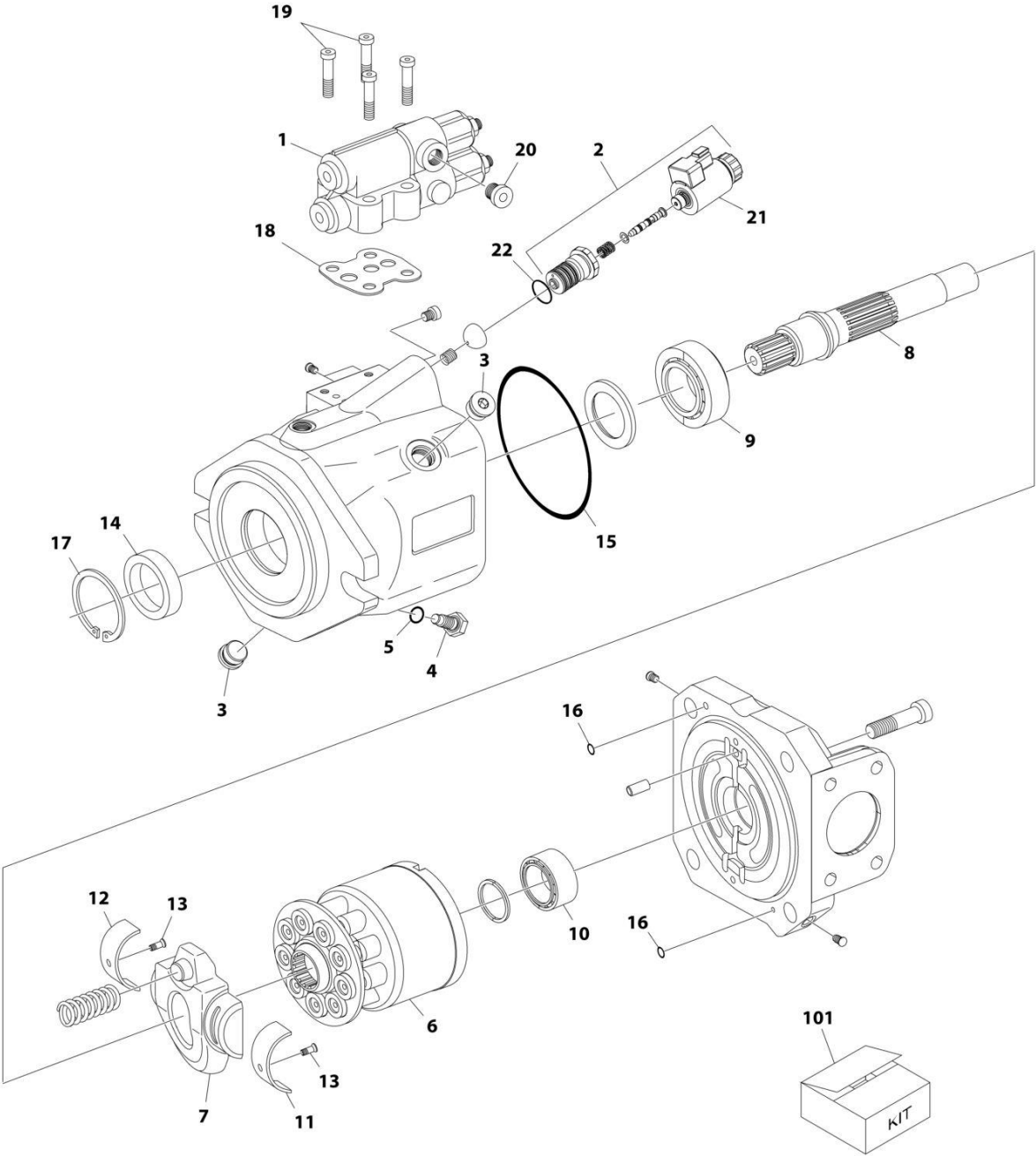
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-22. CYLINDER ASSEMBLY - OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213065	Ref	Outrigger Cylinder	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70027758	1	Tube Assembly	
2	70026300	1	Rod Assembly	
3	70026301	1	Gland	
4	Kit	1	Dust Wiper	
5	70023379	1	Retain Ring	
6	Kit	1	Rod Seal	
7	Kit	1	Back-up Ring	
8	Kit	1	Buffer Ring	
9	70026302	1	Dry Bearing	
10	Kit	1	O-ring	
11	Kit	1	Back-up Ring	
12	Kit	1	O-ring	
13	70026303	1	Piston	
14	Kit	1	Piston Seal	
15	Kit	1	O-ring	
16	Kit	2	Back-up Ring	
17	70022564	1	Steel Ball	
18	70023369	1	Set Screw	
19	70026304	2	Pin Bush	
20	70026305	1	Pin Bush	
21	70026308	1	Grease Nipple	
22	2220886	2	Hex Soc. Plug	
23	2220883	6	Hex Soc. Plug	
24	1001214653	1	Counter Balance Valve	
25	1001214654	1	Counter Balance Valve	
101	70026309	1	Kit, Seal (includes items 4, 6, 7, 8, 10, 11, 12 & 14 thru 16)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-23. PUMP ASSEMBLY - PISTON



ART_1001182279

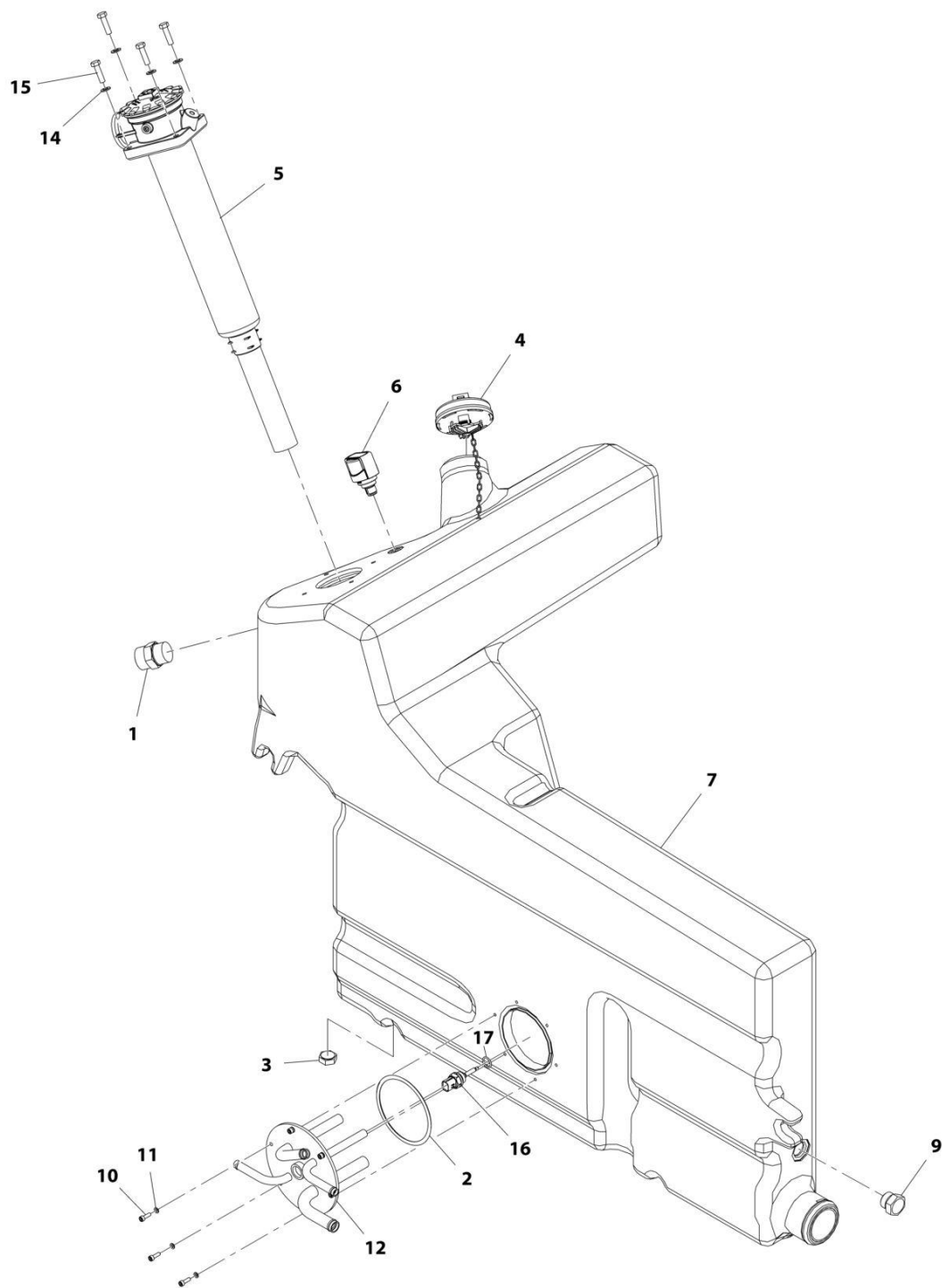
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-23. PUMP ASSEMBLY - PISTON

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182279	Ref	Piston Pump Assembly	B
1	70026572	1	Valve, Control	
2	70024186	1	Valve, Control (Includes Item 21)	
3	70024407	2	Plug	
4	70024408	1	Screw, Stop	
5	Kit	1	O-Ring	
6	70024188	1	Group, Rotary	
7	70026583	1	Plate, Swash	
8	7024939	1	Shaft, Drive	
9	7024943	1	Bearing, Front	
10	7024944	1	Bearing, Rear	
11	70024414	1	Liner, Bearing	
12	70024415	1	Liner, Bearing	
13	7024953	2	Screw, M5X16	
14	80634004	1	Seal, Shaft	
15	Kit	1	O-Ring	
16	Kit	2	Sing, Seal	
17	80334277	1	Ring, Safety	
18	70021867	1	Gasket	
19	7024954	4	Screw, M6X30	
20	70024416	1	Plug	
21	70025897	1	Coil (Part of Item 2)	
22	Kit	1	O-Ring	
101	70024189	1	Kit, Seal (includes items 5, 15 thru 16 & 22)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-24. HYDRAULIC TANK



ART_1001163067-O

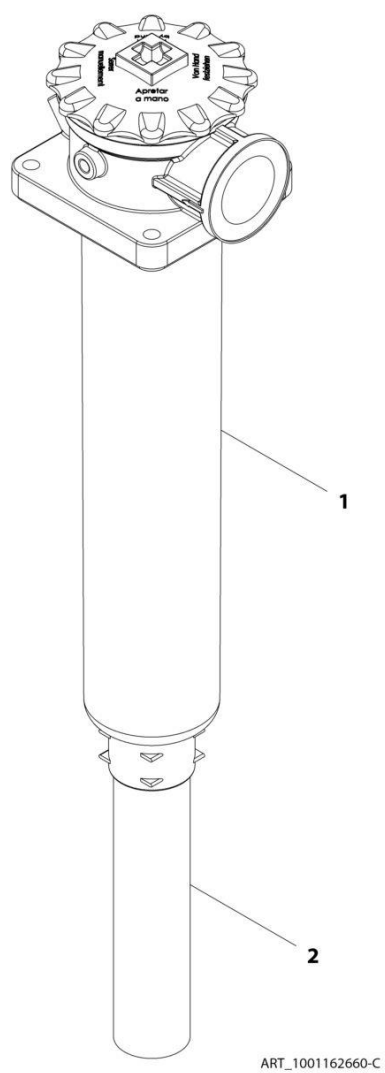
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-24. HYDRAULIC TANK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163067	Ref	Hydraulic Tank	O
1	2111616	1	Fitting, Straight ORFS	
2	1001003301	1	Seal O-Ring	
3	2220239	1	Plug	
4	1001194981	1	Cap	
5	1001162660	1	Filter Assembly (See Separate Breakdown in this Section)	
6	1001162662	1	Filter, Breather	
7	1001162765	1	Tank	
9	2220240	1	Adapter	
10	4031607	6	Screw, M5-0.8X16	
11	4831600	6	Washer, Lock M5	
12	1001167281	1	Manifold, Hydraulic Return	
14	4811900	4	Washer, M8	
15	0700814	4	Bolt, M8X30	
16	1001128478	1	Sensor	
17	1001009163	1	Seal	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-25. HYDRAULIC TANK FILTER ASSEMBLY



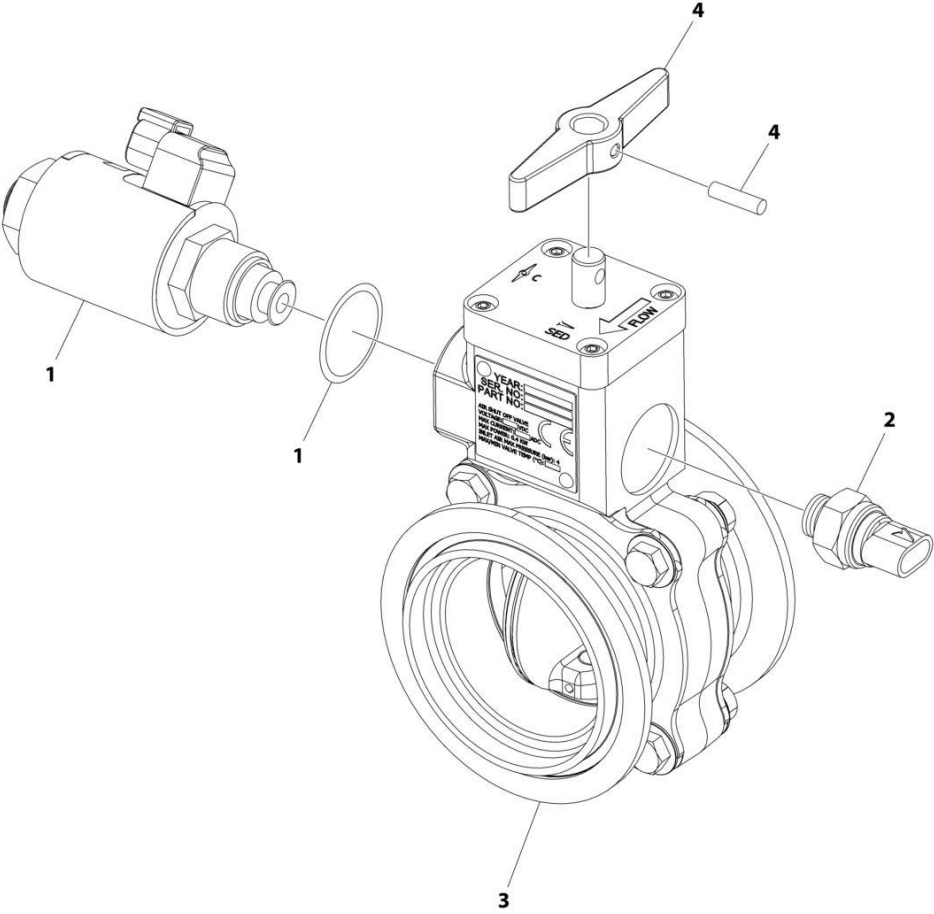
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-25. HYDRAULIC TANK FILTER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001162660	Ref	Hydraulic Filter	C
	1001162661	1	Filter	
	1001162663	1	Element, Filter	
2	1001162667	1	Pipe, Filter Return	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-26. VALVE, AIR SHUT OFF



ART_1001204032_C

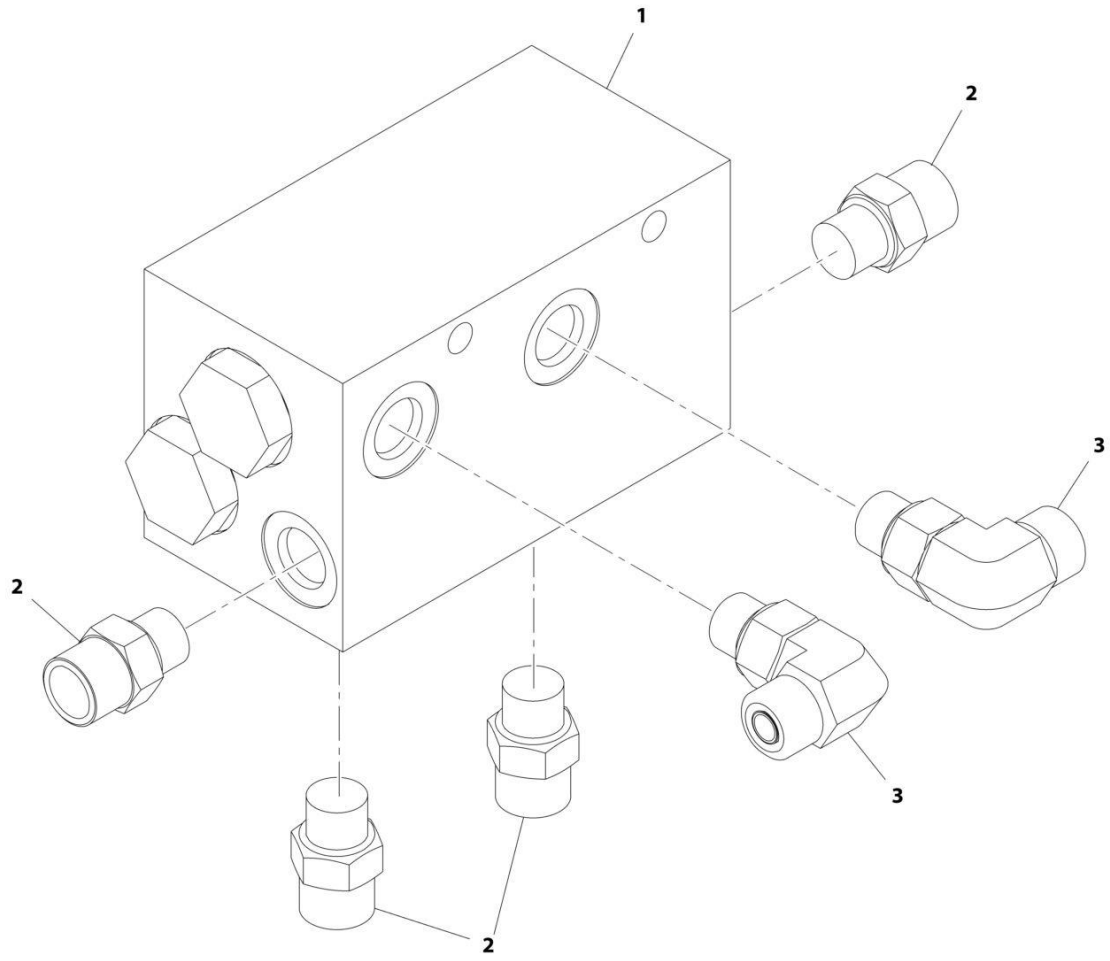
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-26. VALVE, AIR SHUT OFF

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204032	Ref	Air Shut Off Valve	C
1	70028514	1	Kit, Solenoid 12V (Includes Solenoid, Coil, O-Ring)	
2	70028515	1	Kit, Switch (Includes Ball Switch & O-Ring)	
3	70028516	1	Kit, Flange and Hardware (Includes Flanges (Male & Female) & Mounting Hardware)	
4	70028517	1	Kit, Handle (Includes Handle & Pin)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-27. VALVE AND FITTINGS - CARRIAGE (DUAL FORK)



ART_4641502-B

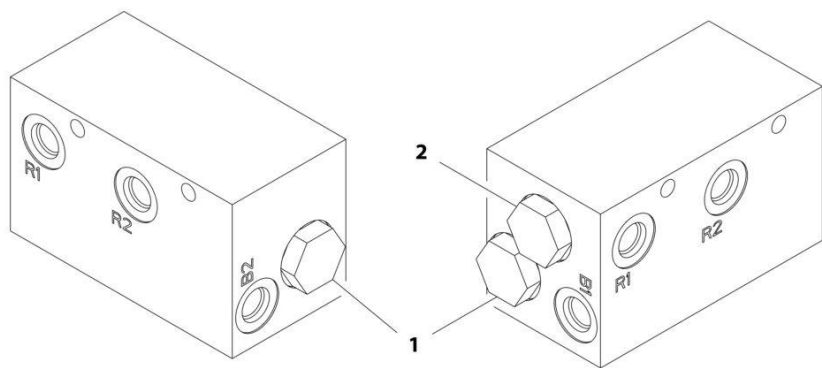
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-27. VALVE AND FITTINGS - CARRIAGE (DUAL FORK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4641502	Ref	Dual Fork Carriage Valve Assembly	B
1	4641501	1	Valve, Flow Divider (See Separate Breakdown in this Section)	
2	2110606	4	Fitting, Straight ORFS	
3	2130606	2	Fitting, 90	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-28. VALVE - CARRIAGE DUAL FORK FLOW DIVIDER



ART_4641501-A

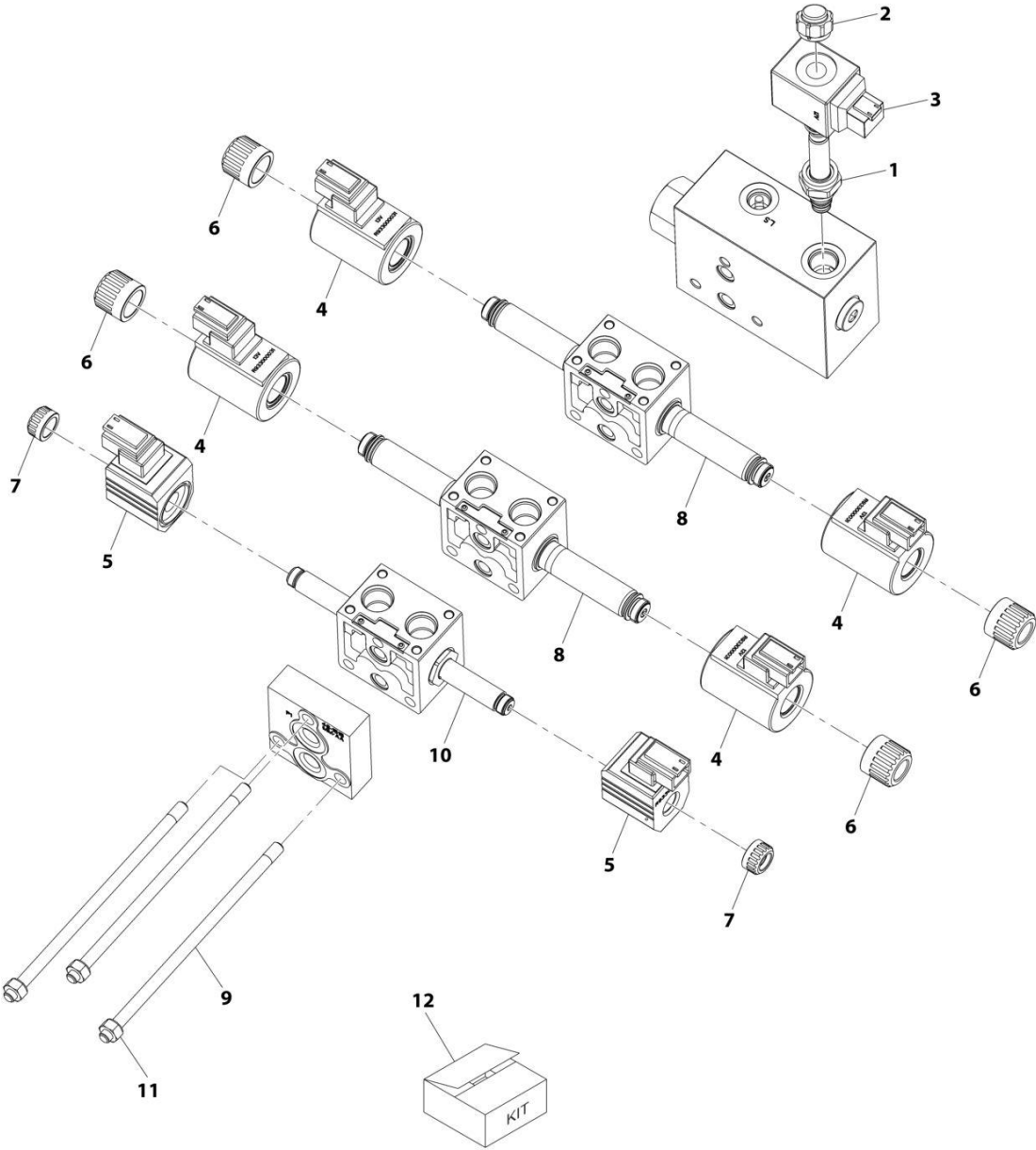
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-28. VALVE - CARRIAGE DUAL FORK FLOW DIVIDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4641501	Ref	Flow Divider Valve	A
1	70023928	2	Valve, Check	
2	70023929	1	Valve, Cartridge	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-29. VALVE ASSEMBLY - FRAME LEVEL AND OUTRIGGER



ART_1001157972-F

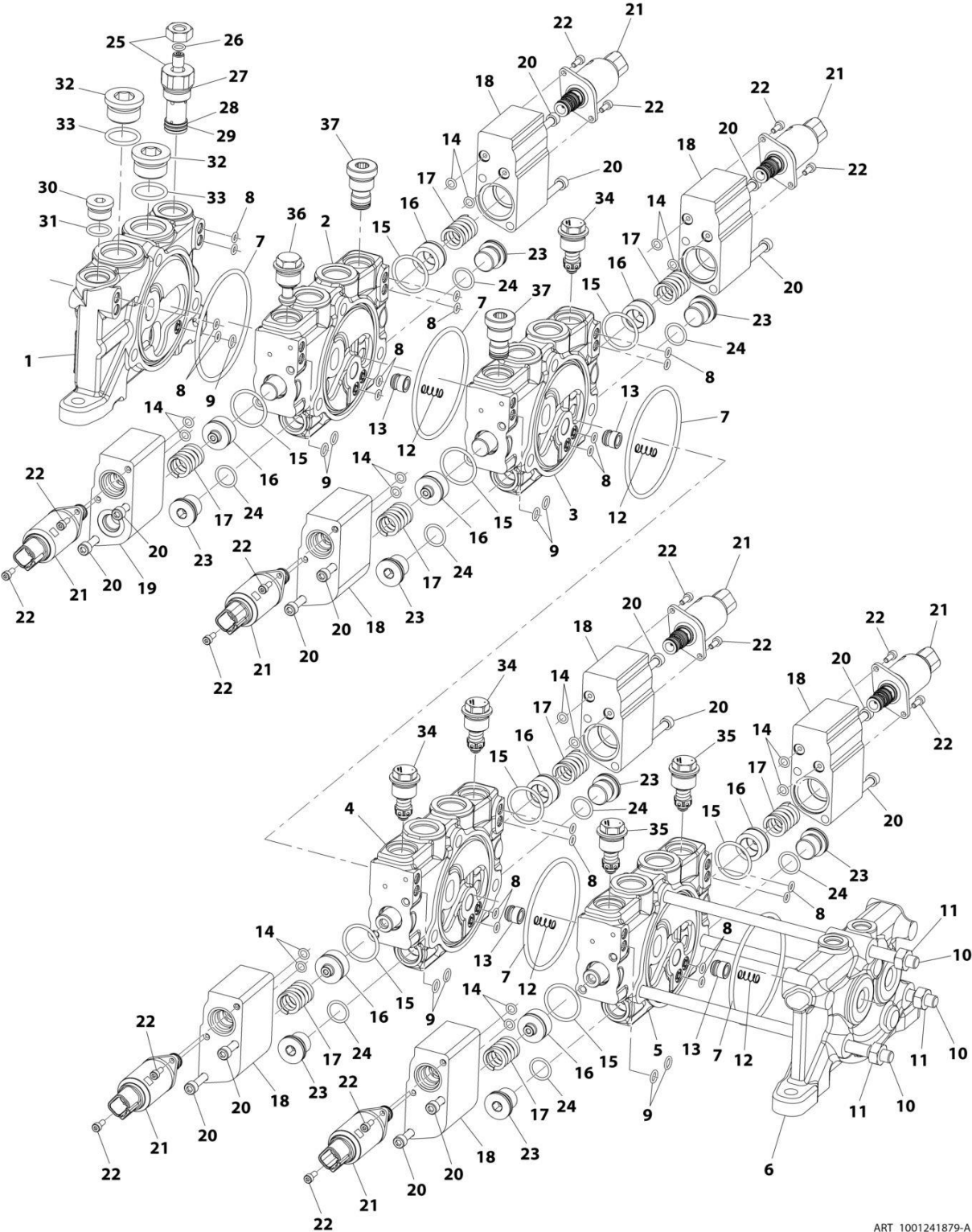
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-29. VALVE ASSEMBLY - FRAME LEVEL AND OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157972	Ref	Valve, Frame Level and Outrigger	F
1	70023327	1	Solenoid	
2	70004654	1	Nut, Coil	
3	70022147	1	Coil	
4	70020868	4	Coil	
5	70021208	2	Coil	
6	70020867	4	Kit, Retainer, W/Seals	
7	70021209	2	Kit, Retainer, W/Seals	
8	70026568	2	Section, Outrigger Valve	
9	70026569	3	Rod, Tie	
10	70021213	1	Section, Frame Level	
11	70026570	3	Nut	
12	70026571	1	Kit, Seal	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	4	O-Ring	
	Kit	4	O-Ring	
	Kit	2	O-Ring	
	Kit	2	O-Ring	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-30. VALVE ASSEMBLY - MAIN CONTROL



ART_1001241879-A

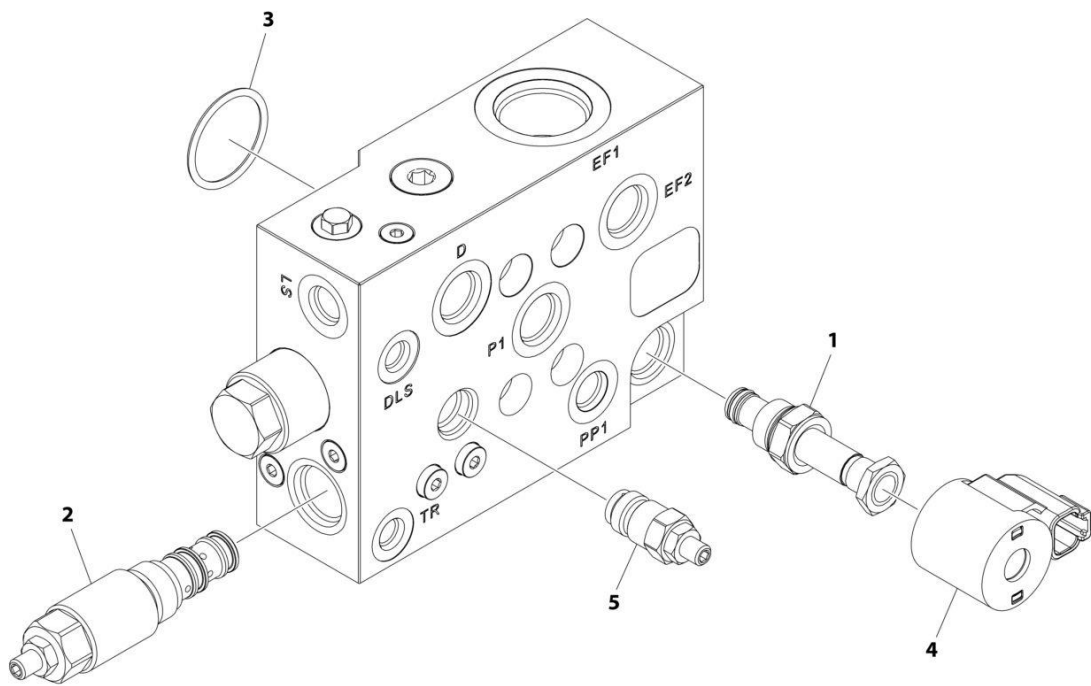
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-30. VALVE ASSEMBLY - MAIN CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241879	Ref	Main Control Valve	A
1	70028478	1	Inlet Section Assembly	
2	70029816	1	Lift Section Assembly	
3	70029817	1	Extend/Retract Section Assembly	
4	70029818	1	Tilt Section Assembly	
5	70029819	1	Aux Section Assembly	
6	70026389	1	Outlet Section Assembly	
7	8034697	5	O-Ring	
8	70050508	20	O-Ring	
9	70050507	9	O-Ring	
10	70026375	3	Tie Rod	
11	70050481	6	Nut-Metric	
12	10837937	4	Spring	
13	10837929	4	Poppet	
14	70026369	16	O-Ring	
15	70026380	8	O-Ring	
16	70026378	8	Spring Seat	
17	70026377	8	Spring	
18	70026381	7	Solenoid, End Cap	
19	70028482	1	Solenoid, End Cap	
20	70026383	16	Screw	
21	70029820	8	Solenoid, Cartridge Valve	
22	70022014	16	Screw	
23	70050504	8	Plug Assembly	
24	70027130	8	O-Ring	
25	70022012	1	Drain Regulator Assembly	
26	70026373	1	O-Ring	
27	10837928	1	O-Ring	
28	70026376	1	Back-Up Ring	
29	70026370	1	O-Ring	
30	8035382	1	Plug Assembly	
31	70024202	1	O-Ring	
32	70050472	2	Plug Assembly (With O-Ring)	
33	70026374	2	O-Ring	
34	70022010	3	Relief Valve Assembly, 280 Bar	
35	70027098	2	Relief Valve Assembly, 205 Bar	
36	70028484	1	Anti-Void Assembly	
37	70022008	2	Shut-Off Plug Assembly	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-31. VALVE ASSEMBLY – PRIORITY



ART_1001252567

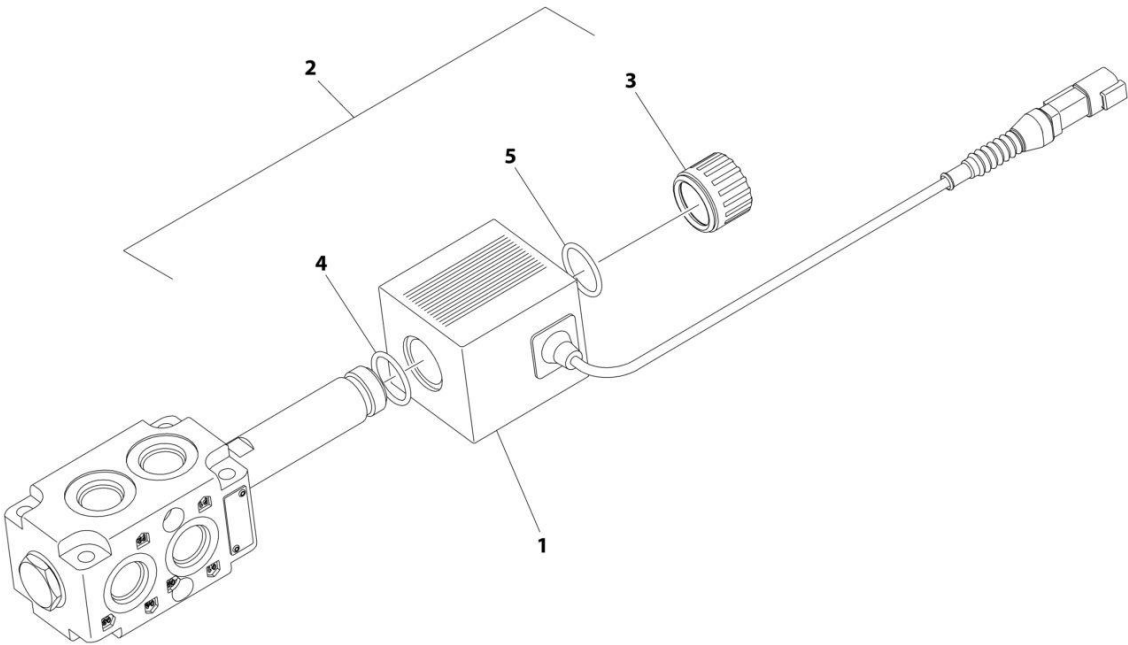
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-31. VALVE ASSEMBLY – PRIORITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252567	Ref	PRIORITY MANIFOLD VALVE	D
1	70029976	1	Cartridge	
2	70029977	1	Valve, Check	
3	70030100	1	O-Ring	
4	70002963	1	Coil	
5	70030101	1	Valve, Check	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-32. VALVE ASSEMBLY - QUICK COUPLER



ART_1001104477

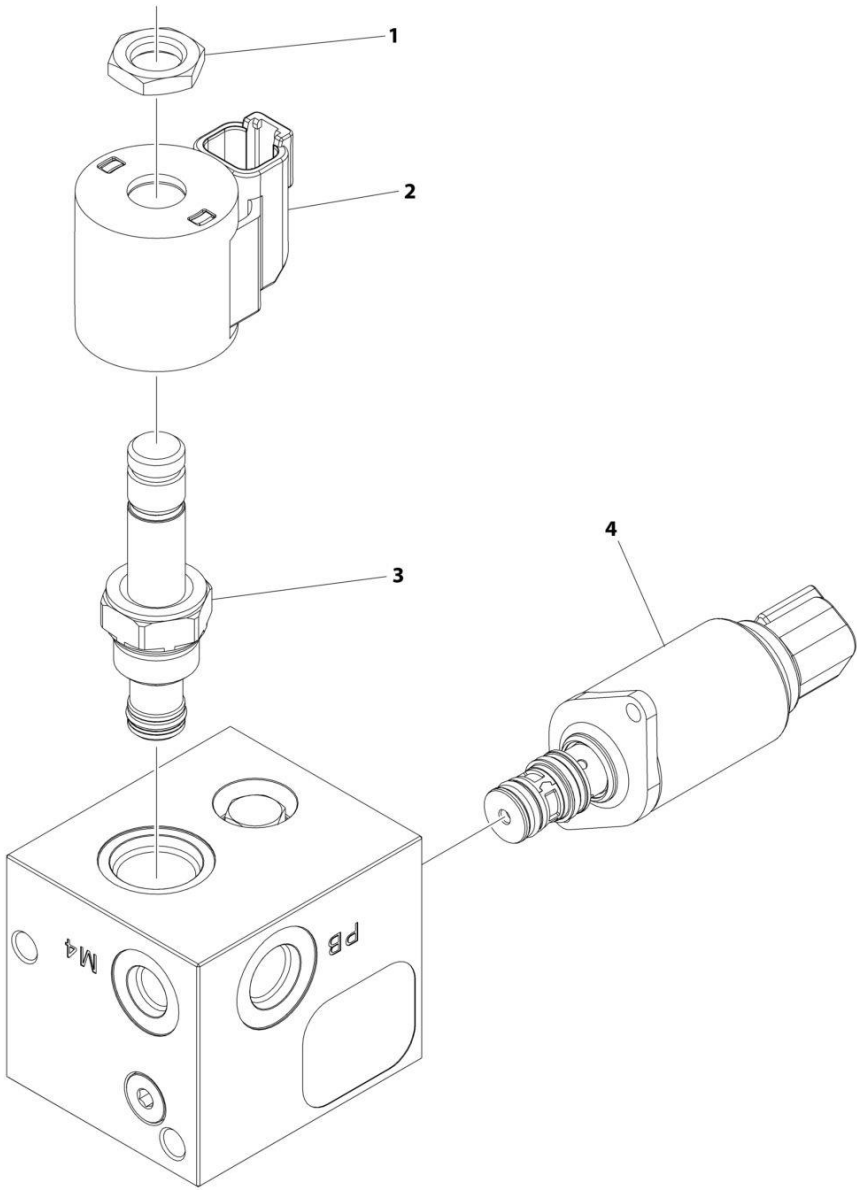
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-32. VALVE ASSEMBLY - QUICK COUPLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001104477	Ref	DIVERTOR VALVE	D
1	70020764	1	Coil	
2	70021531	1	Retainer Kit (Includes Items 3-5)	
3	Kit	1	Nut	
4	Kit	1	O-Ring	
5	Kit	1	O-Ring	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-33. VALVE ASSEMBLY - SAHR BRAKE



ART_1001234127

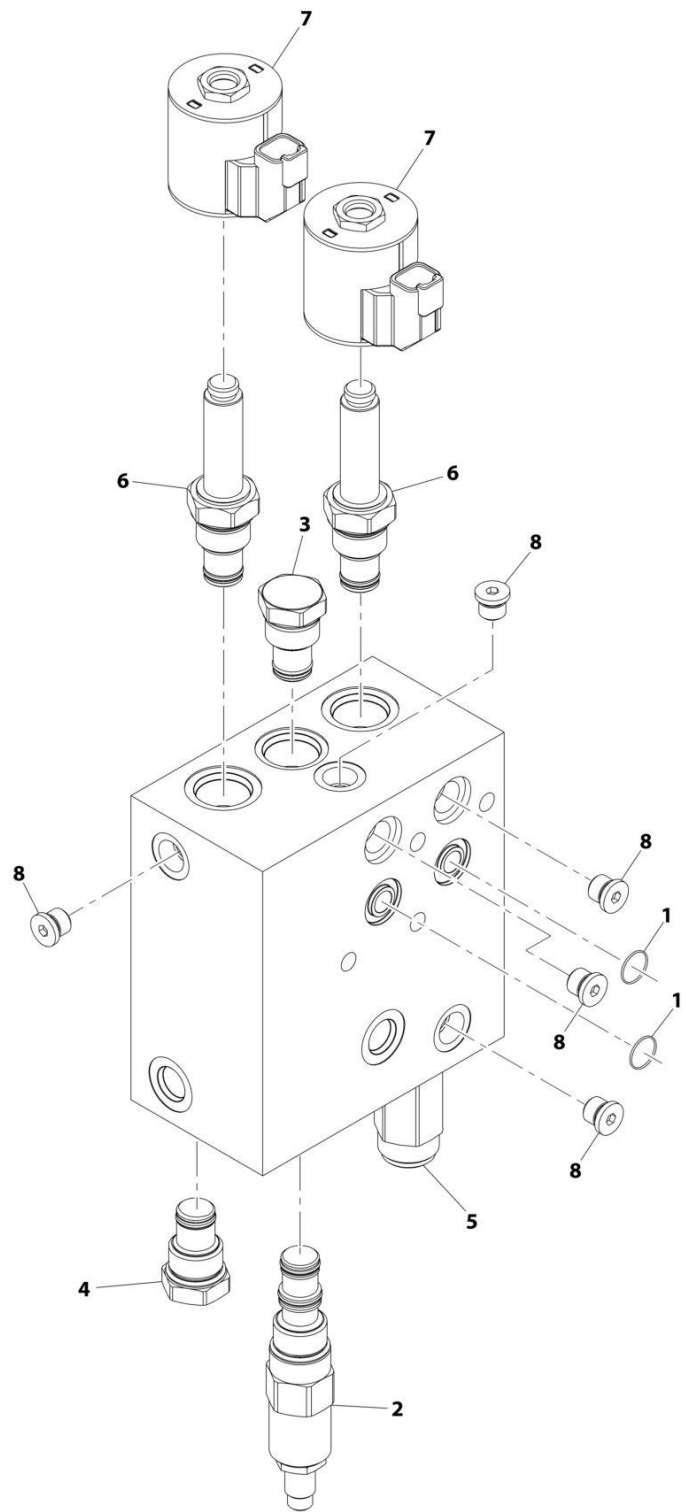
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-33. VALVE ASSEMBLY - SAHR BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234127	Ref	Sahr Brake Valve	C
1	7022390	1	Nut	
2	70002963	1	Coil	
3	70002955	1	Cartridge	
4	70030036	1	Solenoid Valve	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-34. VALVE ASSEMBLY - STABILIZER (REAR AXLE)



ART_1001197600-A

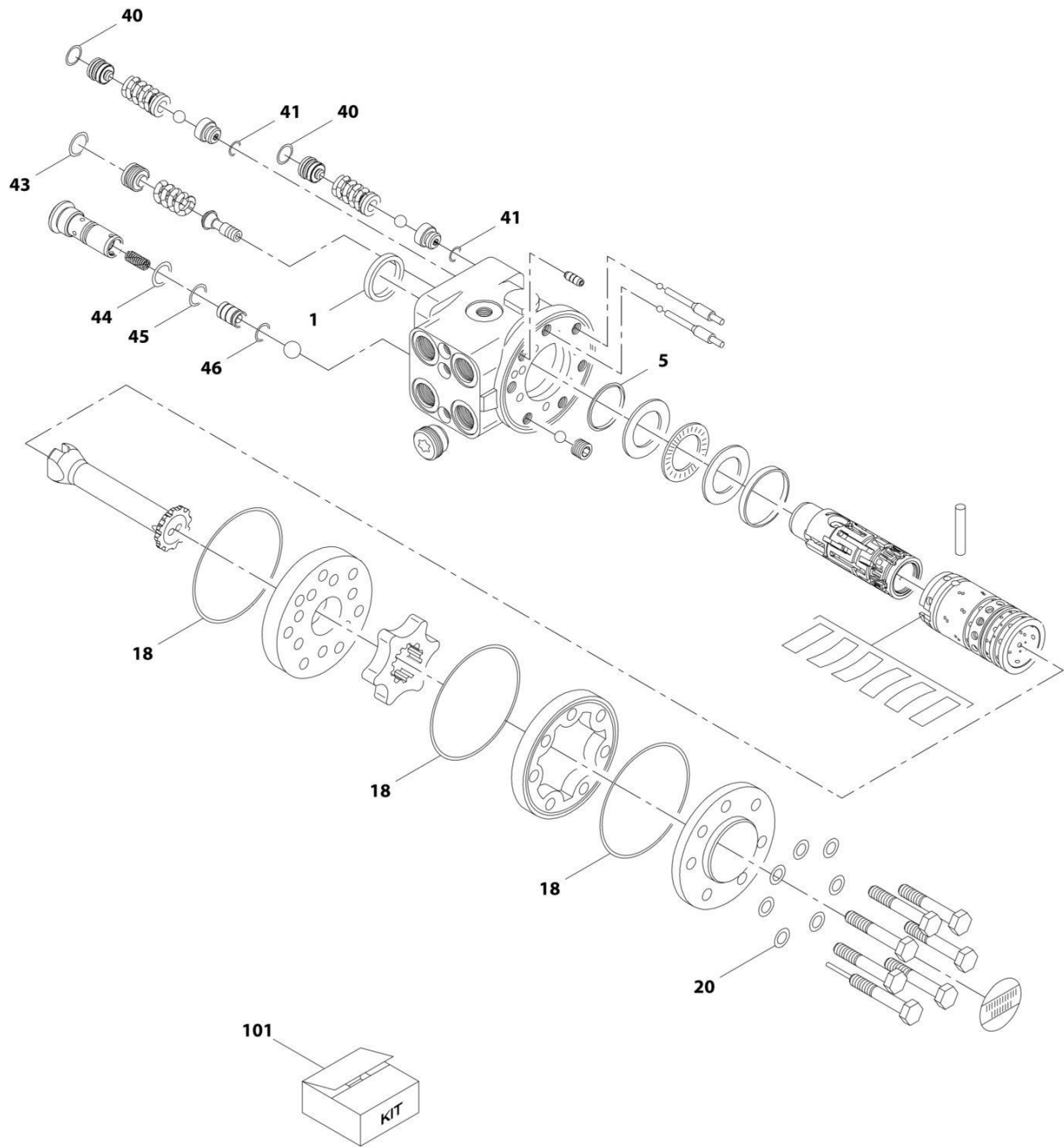
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-34. VALVE ASSEMBLY - STABILIZER (REAR AXLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197600	Ref	Rear Axle Stabilizer Valve	A
1	70026440	2	O-Ring	
2	70026442	1	Cartridge Valve	
2	7012510	1	Seal Kit	
2	Kit	1	O-Ring	
2	Kit	1	O-Ring	
2	Kit	1	O-Ring	
3	70026443	1	Cartridge Valve	
3	7024808	1	Seal Kit	
3	Kit	1	O-Ring	
3	Kit	1	O-Ring	
4	70026444	1	Cartridge Valve	
4	7022399	1	Seal Kit	
4	Kit	1	O-Ring	
4	Kit	1	O-Ring	
5	70028451	1	Cartridge Valve	
5	7024808	1	Seal Kit	
5	Kit	1	O-Ring	
5	Kit	1	O-Ring	
6	70026445	2	Cartridge Valve	
6	70026446	1	Seal Kit	
6	Kit	1	O-Ring	
7	70003788	2	Coil	
8	2220883	5	Plug	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-35. VALVE ASSEMBLY - STEERING



ART_1001178670-B

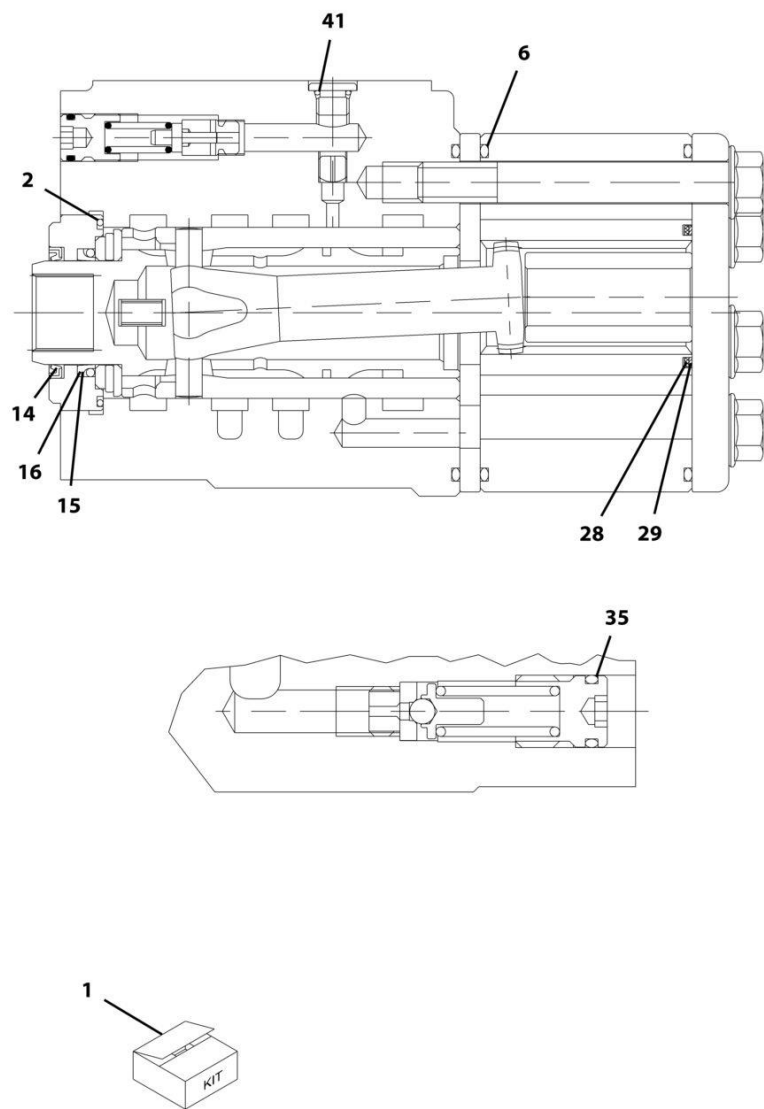
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-35. VALVE ASSEMBLY - STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178670	Ref	Steer Unit Valve	B
1	Kit	2	Ring, Dust Seal	
5	Kit	2	Seal, Shaft	
18	Kit	2	O-Ring	
20	Kit	2	Washer	
40	Kit	2	O-Ring	
41	Kit	2	O-Ring	
43	Kit	2	O-Ring	
44	Kit	2	O-Ring	
45	Kit	2	O-Ring	
46	Kit	2	O-Ring	
101	70028285	1	Kit, Seal (includes items 1, 5, 18, 20, 40, 41 and 43 thru 46)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-36. VALVE ASSEMBLY - STEERING ORBITAL



ART_1001158527-E

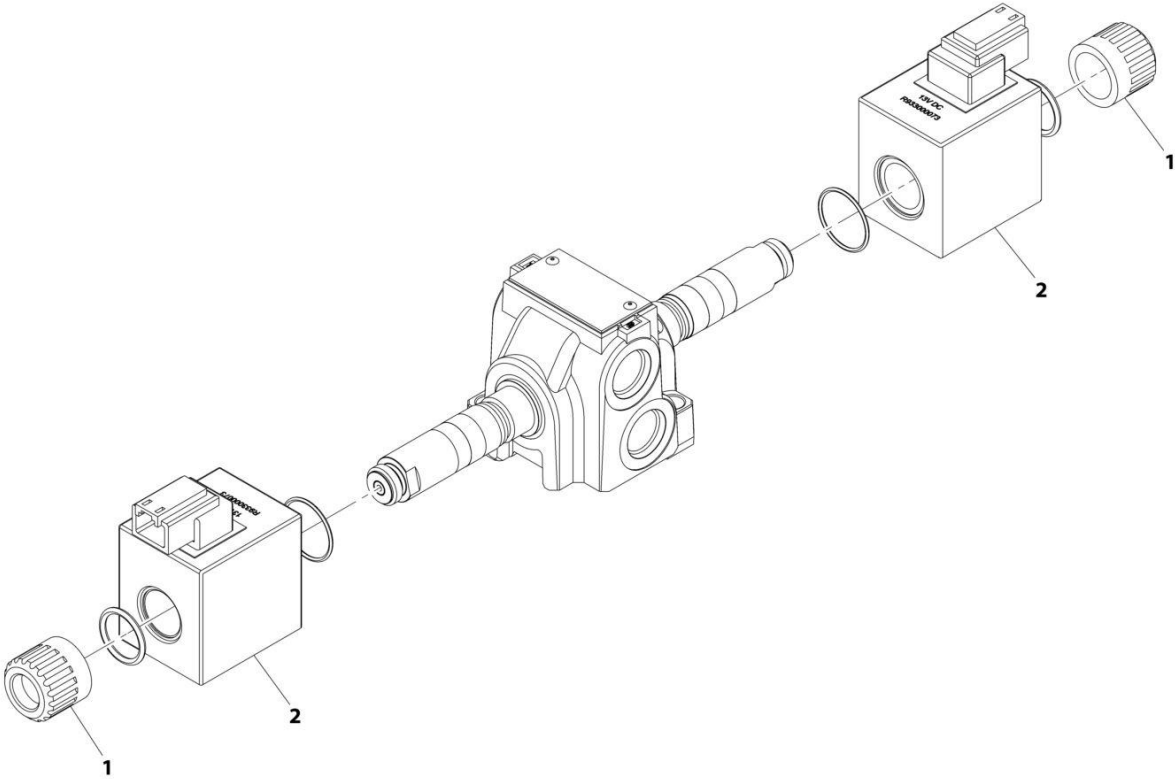
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-36. VALVE ASSEMBLY - STEERING ORBITAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158527	1	Steering Orbital Valve	E
1	70026401	1	Kit, Seal (includes items 2 thru 41)	
2	Kit	1	O-Ring	
6	Kit	3	O-Ring	
14	Kit	1	Seal, Dust	
15	Kit	1	O-Ring	
16	Kit	1	Seal, Shaft	
28	Kit	1	Washer, Back-Up	
29	Kit	1	Seal, Ring	
35	Kit	3	O-Ring	
41	Kit	2	O-Ring	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-37. VALVE ASSEMBLY - STEERING SELECT



ART_1001153748-C

SECTION 9 - HYDRAULIC COMPONENTS

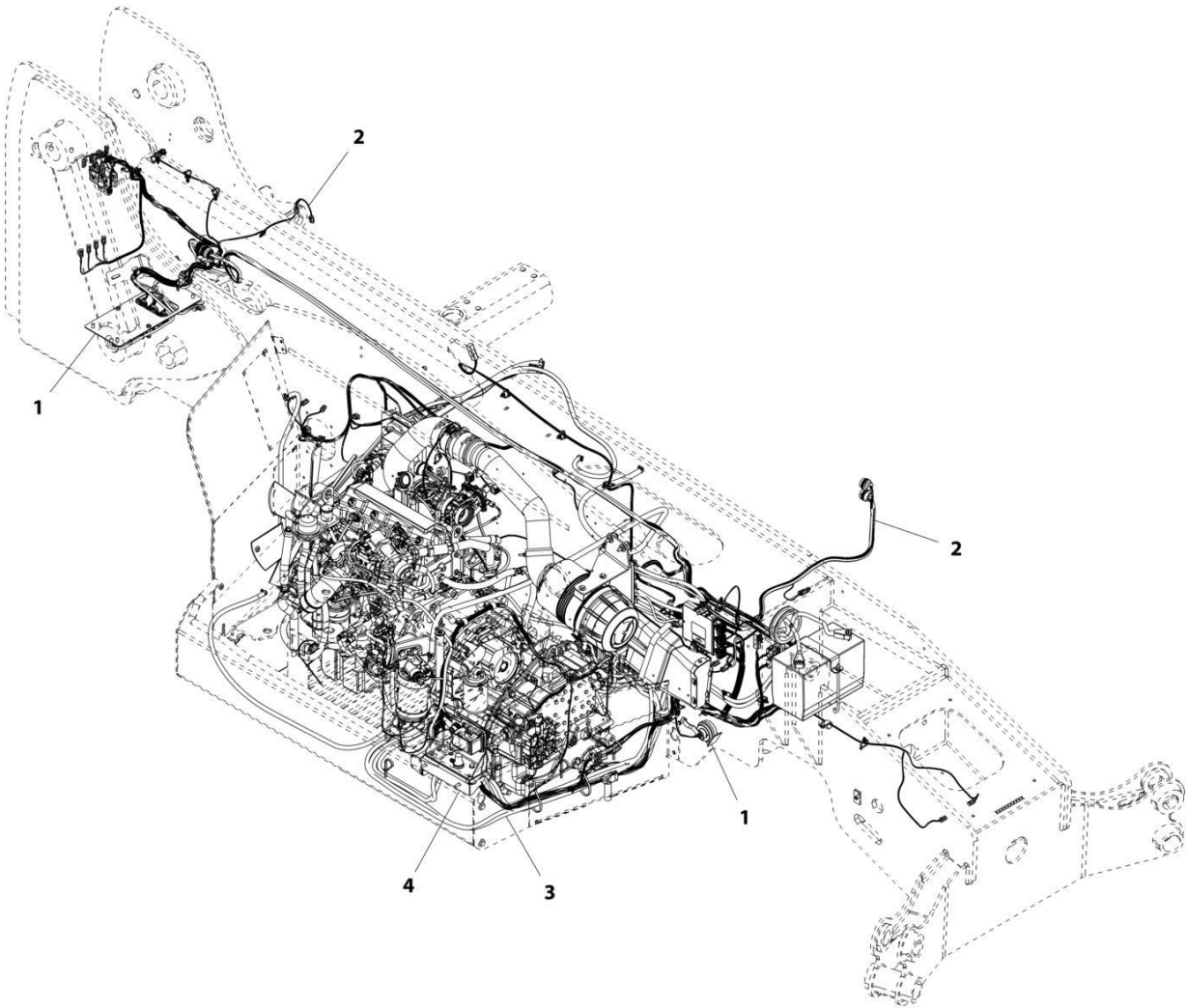
FIGURE 9-37. VALVE ASSEMBLY - STEERING SELECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153748	Ref	Steering Select Valve	C
1	70020867	2	Nut, Coil	
2	70026582	2	Coil	

SECTION 10 - ELECTRICAL

SECTION 10 - ELECTRICAL

FIGURE 10-1. MAIN ELECTRICAL INSTALLATION (ULS)



ART_1001167050-C

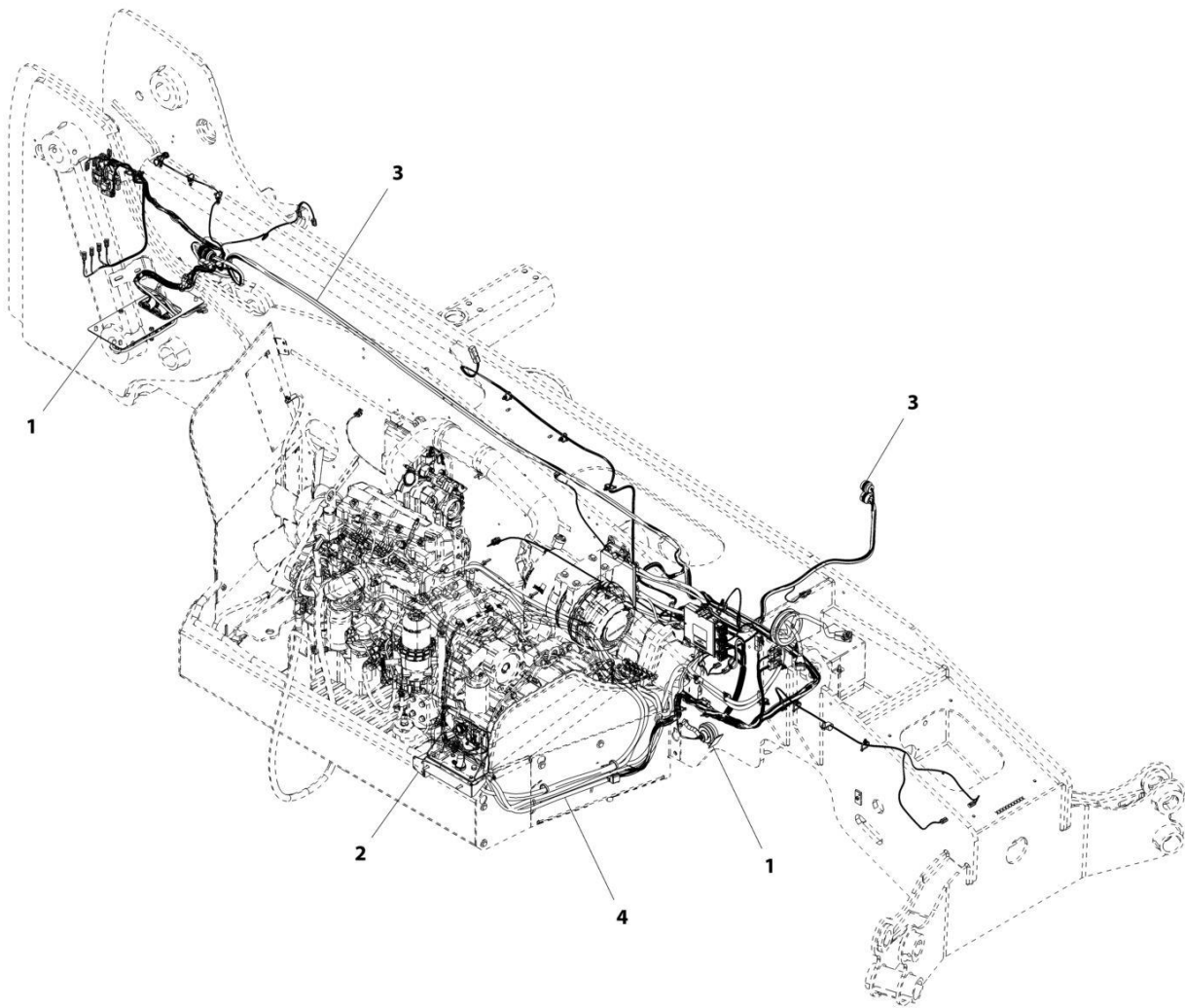
SECTION 10 - ELECTRICAL

FIGURE 10-1. MAIN ELECTRICAL INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001167050	Ref	Main Electrical Installation (ULS)	C
	1001167051	Ref	Installation, Electrical Frame (See Separate Breakdown in this Section)	
2	1001173530	Ref	Installation, Frame Wiring (ULS) (See Separate Breakdown in this Section)	
3	1001173531	Ref	Installation, Engine Bay Wiring (ULS) (See Separate Breakdown in this Section)	
4	1001163127	Ref	Installation, Engine Bay Electrical (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-2. MAIN ELECTRICAL INSTALLATION (LS)



ART_1001192303-A

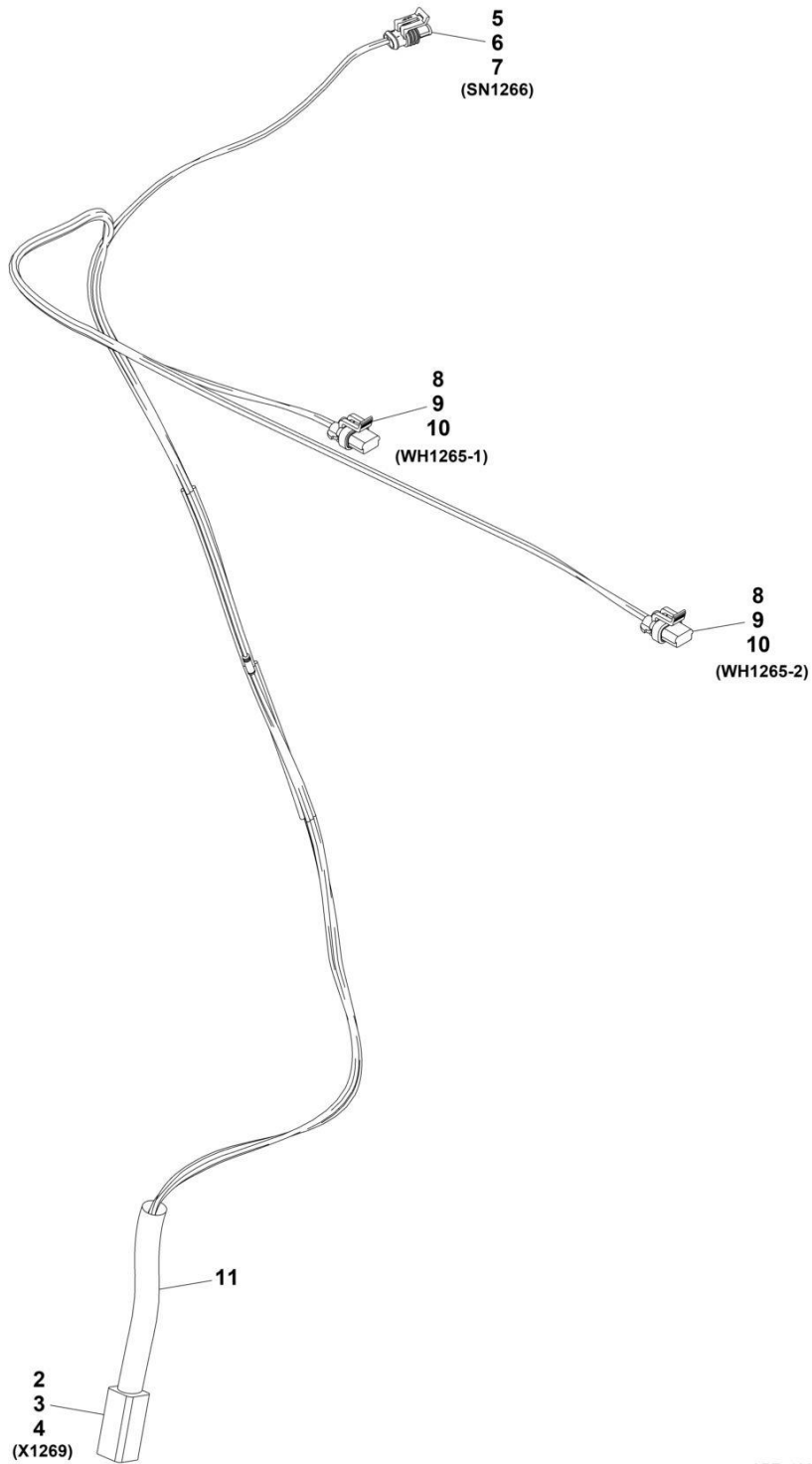
SECTION 10 - ELECTRICAL

FIGURE 10-2. MAIN ELECTRICAL INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001192303	Ref	Main Electrical Installation (LS)	A
	1001167051	Ref	Installation, Electrical Frame (See Separate Breakdown in this Section)	
2	1001173765	Ref	Installation, Engine Bay Electrical (See Separate Breakdown in this Section)	
3	1001192305	Ref	Installation, Frame Wiring (LS) (See Separate Breakdown in this Section)	
4	1001193171	Ref	Installation, Engine Bay Wiring (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-3. A/C OPTION HARNESS



ART_1001169151

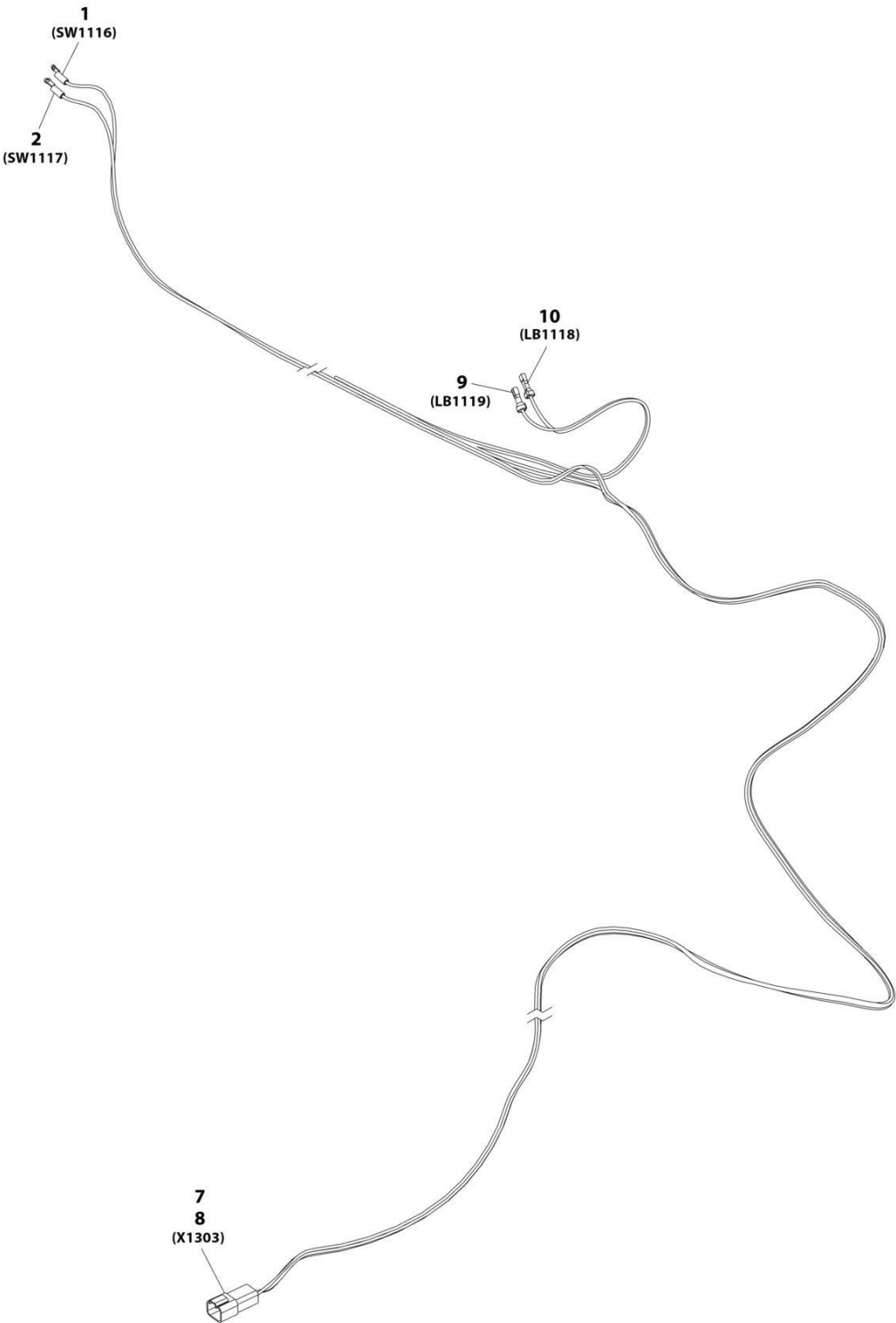
SECTION 10 - ELECTRICAL

FIGURE 10-3. A/C OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169151	Ref	A/C Option Harness	G
2	4460899	1	Connector	
3	4460941	4	Terminal	
4	4460464	2	Terminal	
5	4461118	1	Connector	
6	1001107854	2	Terminal	
7	1001116763	2	Seal	
8	1001117021	2	Connector	
9	1001116747	4	Terminal	
10	4460789	4	Seal	
11	70028546	1	Backshell	

SECTION 10 - ELECTRICAL

FIGURE 10-4. AIR SHUT OFF VALVE HARNESS - CAB



ART_1001231407-C

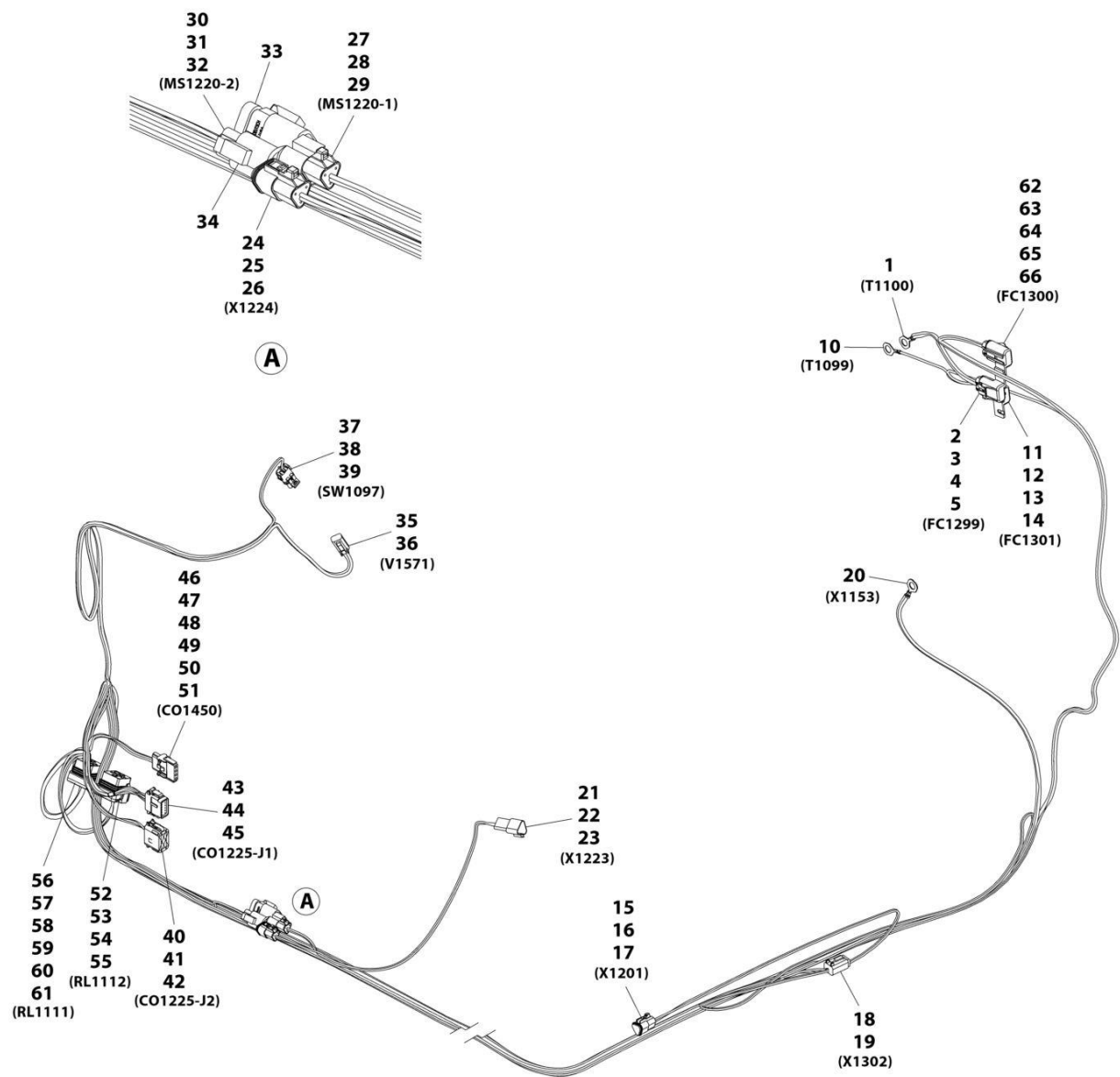
SECTION 10 - ELECTRICAL

FIGURE 10-4. AIR SHUT OFF VALVE HARNESS - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231407	1	Air Shutoff Valve Harness	C
1	8220035	1	Terminal, Ring	
2	8220035	1	Terminal, Ring	
7	4460932	1	Connector	
8	4460464	4	Pin	
9	8220108	1	Connector, Female	
10	8220108	1	Connector, Female	

SECTION 10 - ELECTRICAL

FIGURE 10-5. AIR SHUT OFF VALVE HARNESS - ENGINE



ART_1001231483_D

SECTION 10 - ELECTRICAL

FIGURE 10-5. AIR SHUT OFF VALVE HARNESS - ENGINE

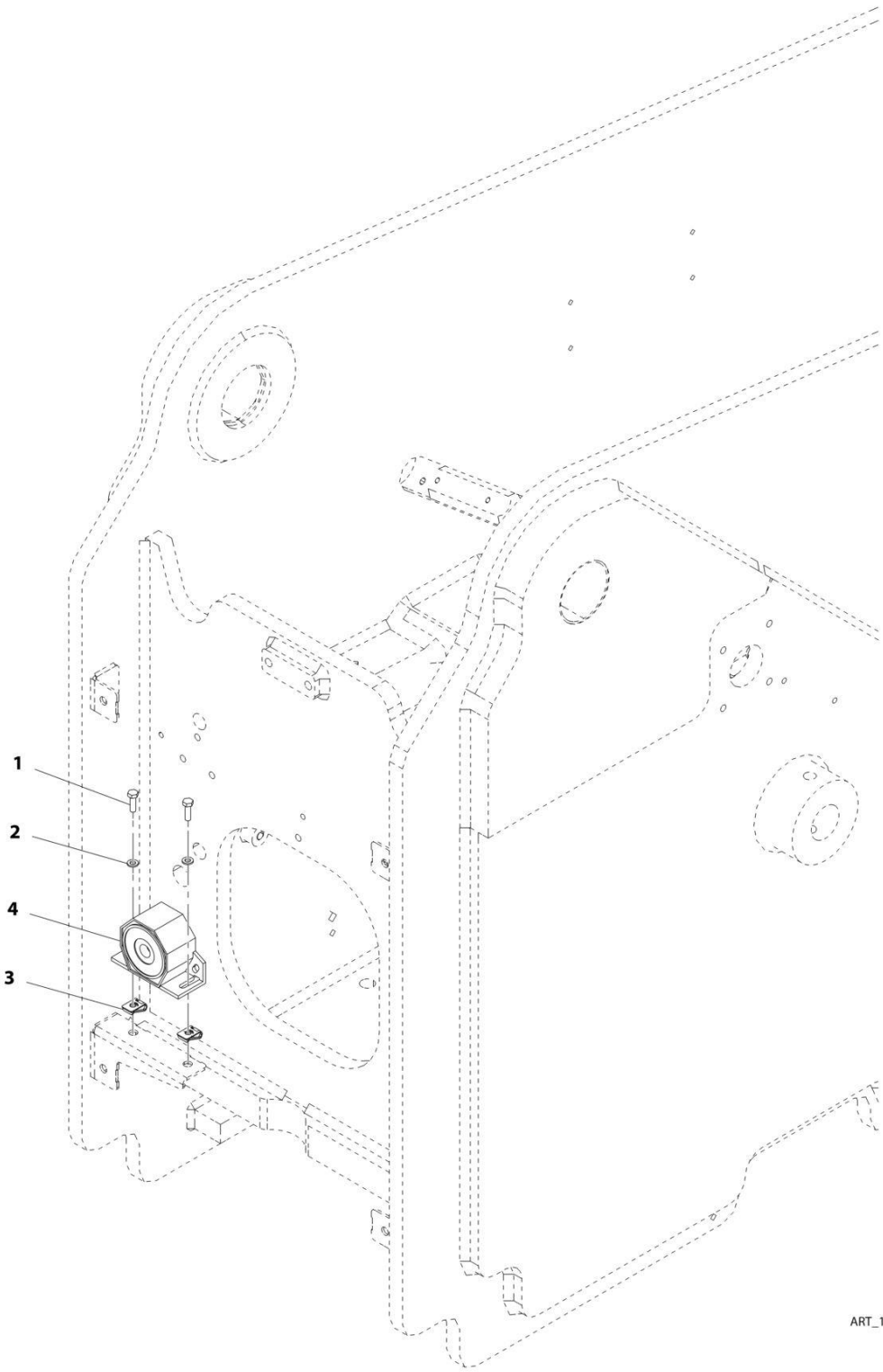
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231483	Ref	Air Shut Off Valve Harness (Engine)	D
1	1001187079	1	Terminal, Ring	
2	1001231397	1	Connector	
3	8229235	1	Fuse, 20amp	
4	1001231401	2	Terminal	
5	1001230402	2	Seal	
10	1001187078	1	Terminal, Ring	
11	1001231397	1	Connector	
12	8229261	1	Fuse, 5amp	
13	1001231400	2	Terminal	
14	1001230403	2	Seal	
15	1001116812	1	Connector	
16	4460465	2	Terminal	
17	4460466	1	Plug	
18	4460884	1	Connector	
19	4460465	4	Terminal	
20	1001187079	1	Terminal, Ring	
21	1001144147	1	Connector	
22	4460464	2	Terminal	
23	4460466	1	Plug	
24	1001116812	1	Connector	
25	4460465	2	Terminal	
26	4460466	1	Plug	
27	1001116812	1	Connector	
28	4460465	2	Terminal	
29	4460466	1	Plug	
30	4460539	1	Connector	
31	4460465	2	Terminal	
32	4460466	1	Plug	
33	1001116815	1	Connector, 3 Pin	
34	4460945	1	Terminal, 3 Way "T" Receptacle	
35	4460891	1	Connector	
36	1001157890	2	Terminal	
37	4460742	1	Connector	
38	4460475	2	Terminal	
39	4460458	2	Plug	
40	1001116774	1	Connector	
41	4460518	8	Plug	
42	1001126008	4	Terminal	
43	1001116808	1	Connector	
44	1001126008	9	Terminal	
45	4460518	3	Plug	
46	4460761	1	Connector	
47	4460321	1	Terminal	
48	1001118378	4	Terminal	
49	4460809	4	Plug	
50	1001143551	1	Seal	
51	1001218358	1	Lanyard Rope	
52	1001231398	1	Connector	
53	1001231400	4	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	1001231404	4	Seal	
55	1001231406	1	Plug	
56	1001231398	1	Connector	
57	1001231401	2	Terminal	
58	1001231402	2	Seal	
59	1001231400	2	Terminal	
60	1001231404	2	Seal	
61	1001231406	1	Plug	
62	1001231397	1	Connector	
63	8229234	1	Fuse, 10amp	
64	1001231400	2	Terminal	
65	1001230403	1	Seal	
66	1001230404	1	Seal	

SECTION 10 - ELECTRICAL

FIGURE 10-6. ALARM INSTALLATION - BACK UP (97DB)



ART_1001192393-D

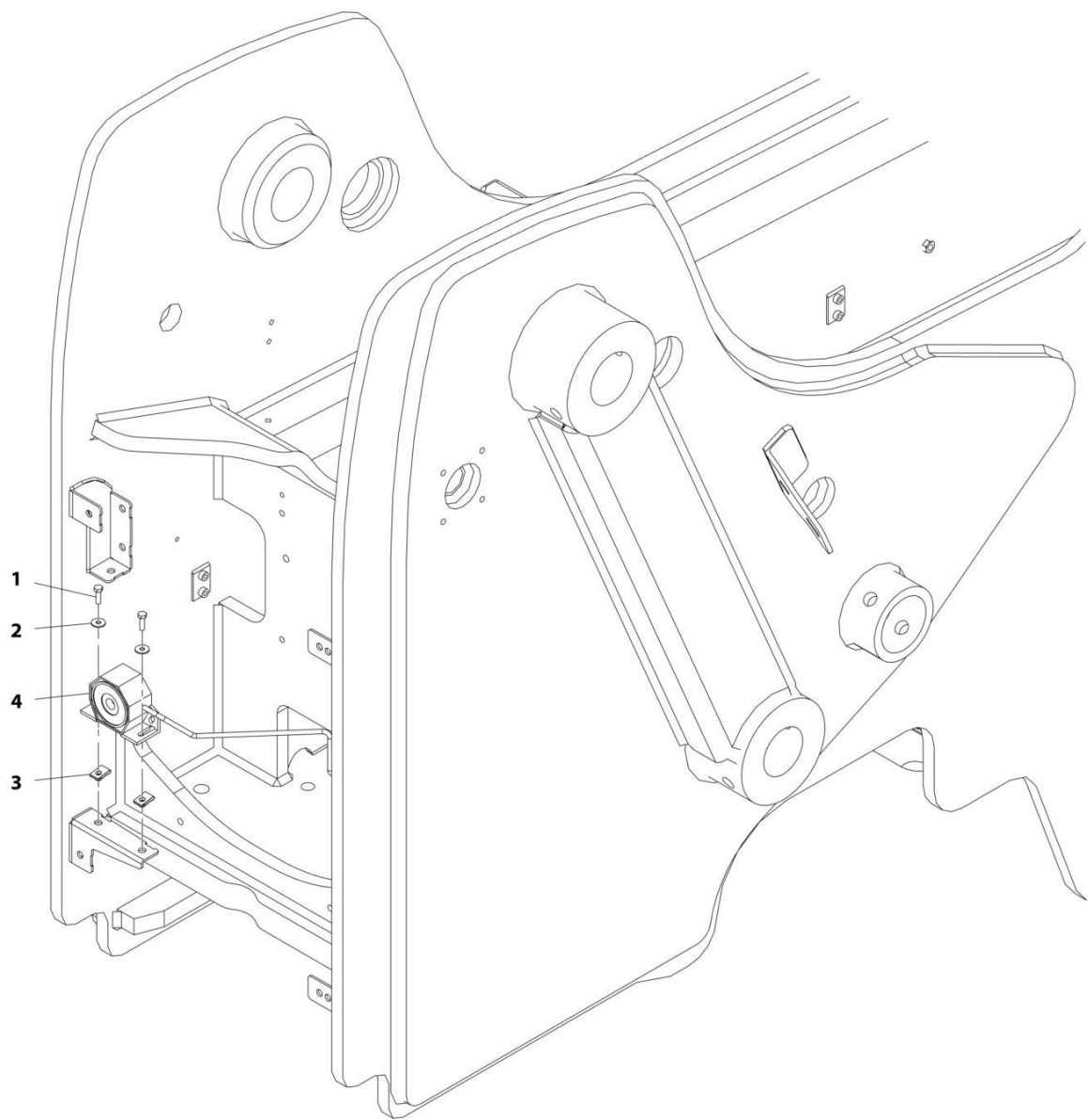
SECTION 10 - ELECTRICAL

FIGURE 10-6. ALARM INSTALLATION - BACK UP (97DB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192393	Ref	Backup Alarm Installation (97 dB)	D
1	0700610	2	Bolt, M6X20	
2	4811702	2	Washer, M6	
3	8305919	2	Nut, M6	
4	1001101808	1	Alarm, Backup	

SECTION 10 - ELECTRICAL

FIGURE 10-7. ALARM INSTALLATION - BACK UP (120DB)



ART_1001199183-B

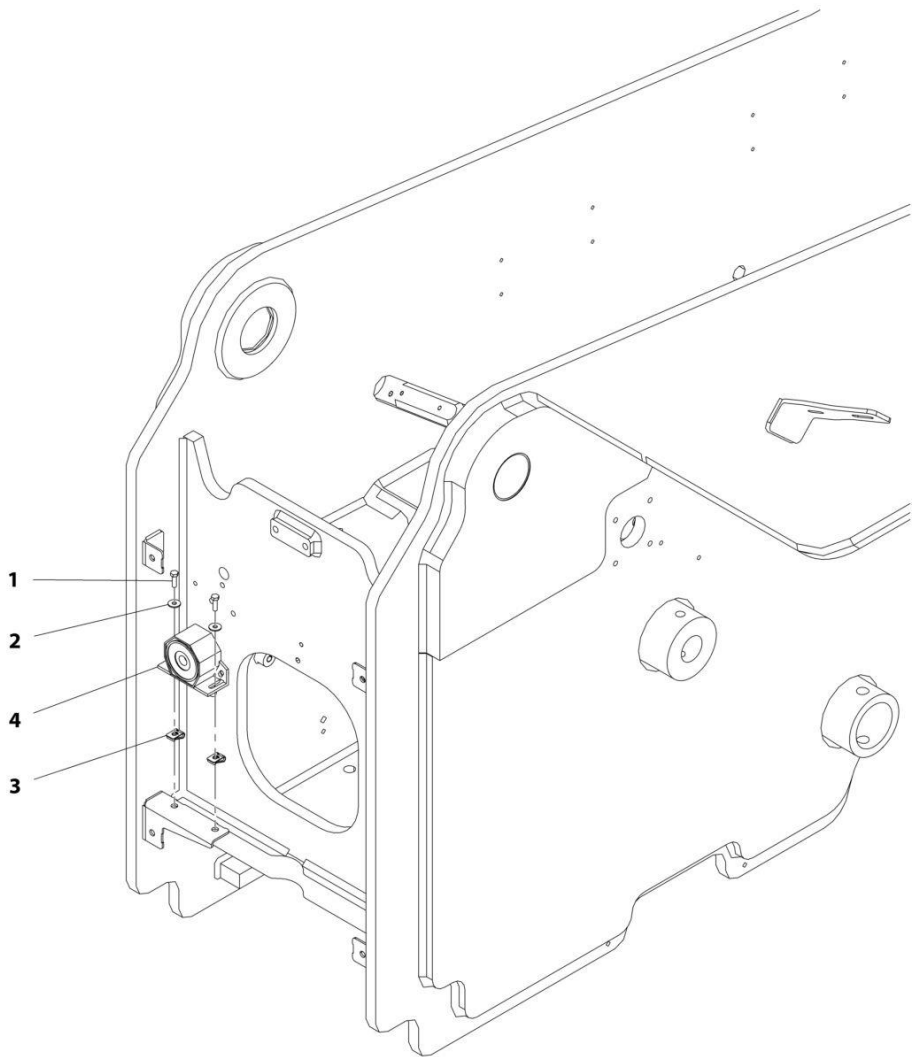
SECTION 10 - ELECTRICAL

FIGURE 10-7. ALARM INSTALLATION - BACK UP (120DB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001199183	Ref	Backup Alarm Installation (120 dB)	B
1	0700610	2	Bolt, M6X20	
2	4811702	2	Washer, M6	
3	1001130220	2	Nut, M6	
4	1001147060	1	Alarm, Backup	

SECTION 10 - ELECTRICAL

FIGURE 10-8. ALARM INSTALLATION - BACK UP (WHITE NOISE)



ART_1001192394-D

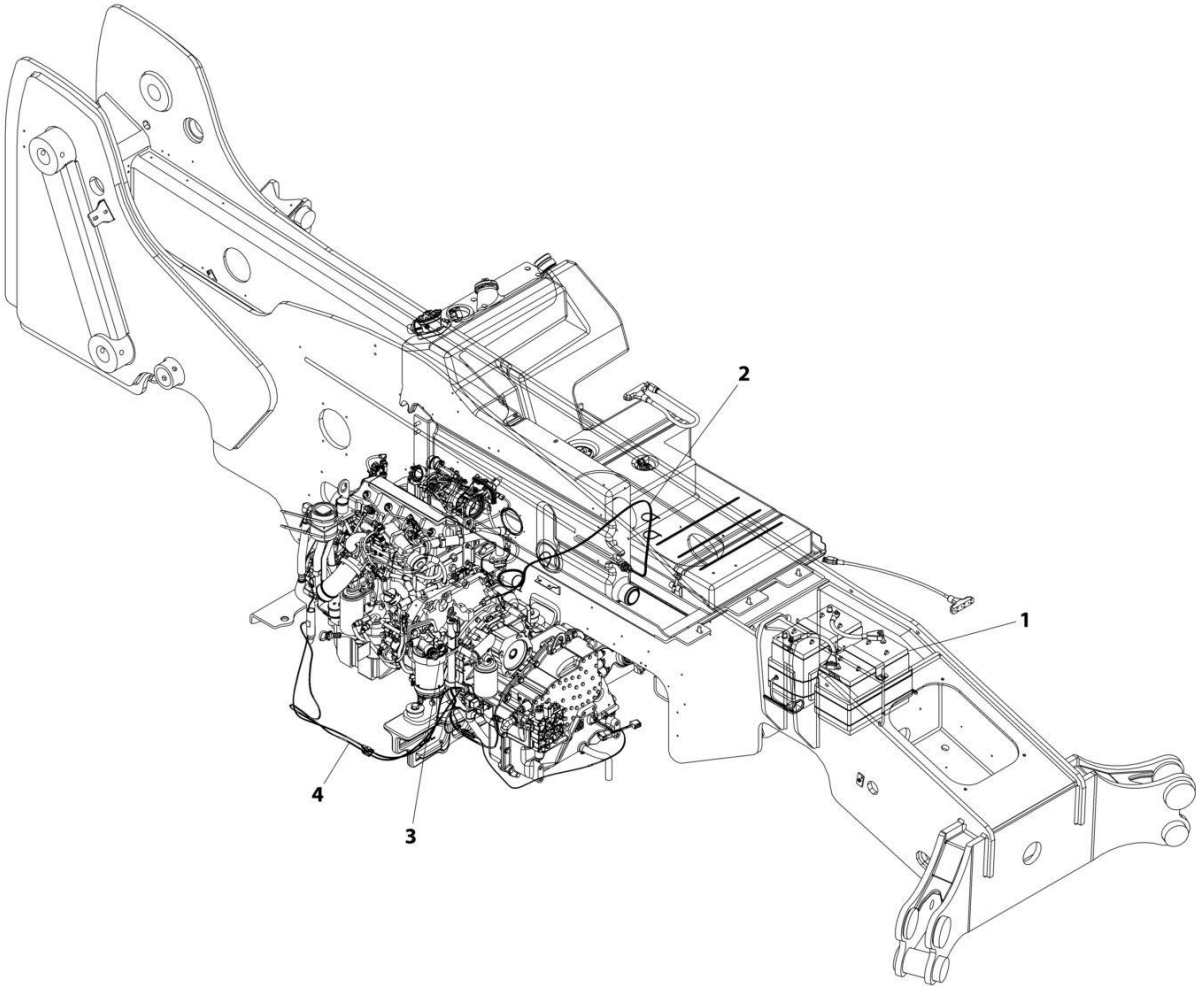
SECTION 10 - ELECTRICAL

FIGURE 10-8. ALARM INSTALLATION - BACK UP (WHITE NOISE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192394	Ref	White Noise Backup Alarm Installation	D
1	0700610	2	Bolt, M6X20	
2	4811702	2	Washer, M6	
3	8305919	2	Nut, M6	
4	1001165827	1	Alarm, White Noise Backup	

SECTION 10 - ELECTRICAL

FIGURE 10-9. ARCTIC COLD WEATHER PACKAGE INSTALLATION (ULS)



ART_1001190179_E

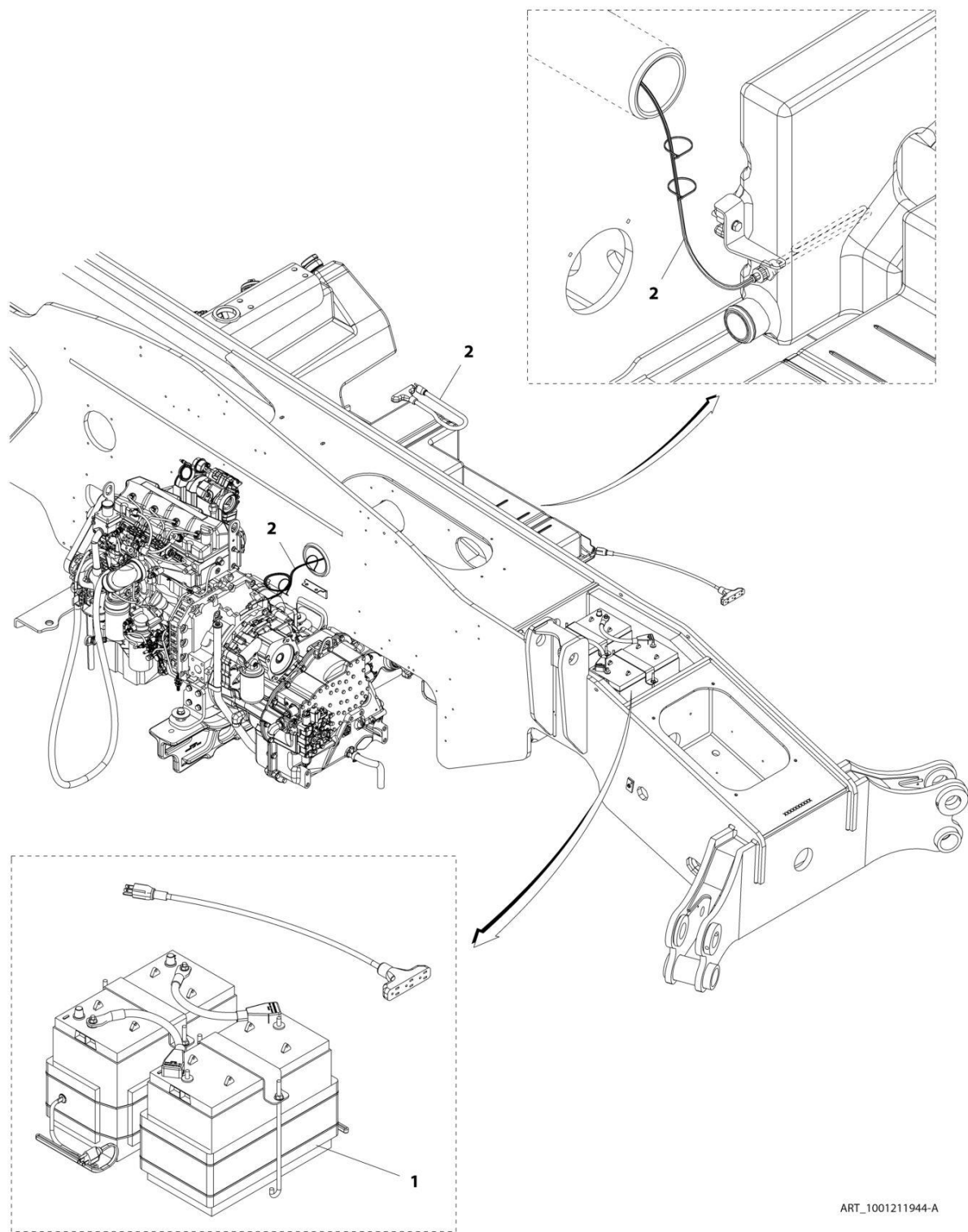
SECTION 10 - ELECTRICAL

FIGURE 10-9. ARCTIC COLD WEATHER PACKAGE INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001190179	Ref	Arctic Weather Package Installation - 110 HP (ULS)	E
	1001190670	Ref	Installation, Arctic Batteries (See Separate Breakdown in this Section)	
2	1001190671	Ref	Installation, Tank Heater (See Separate Breakdown in this Section)	
3	1001204095	Ref	Installation, Fuel Filter Heater (See Separate Breakdown in this Section)	
4	1001232751	Ref	Heater, Breather - 110 HP (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-10. ARCTIC COLD WEATHER PACKAGE INSTALLATION (LS)



ART_1001211944-A

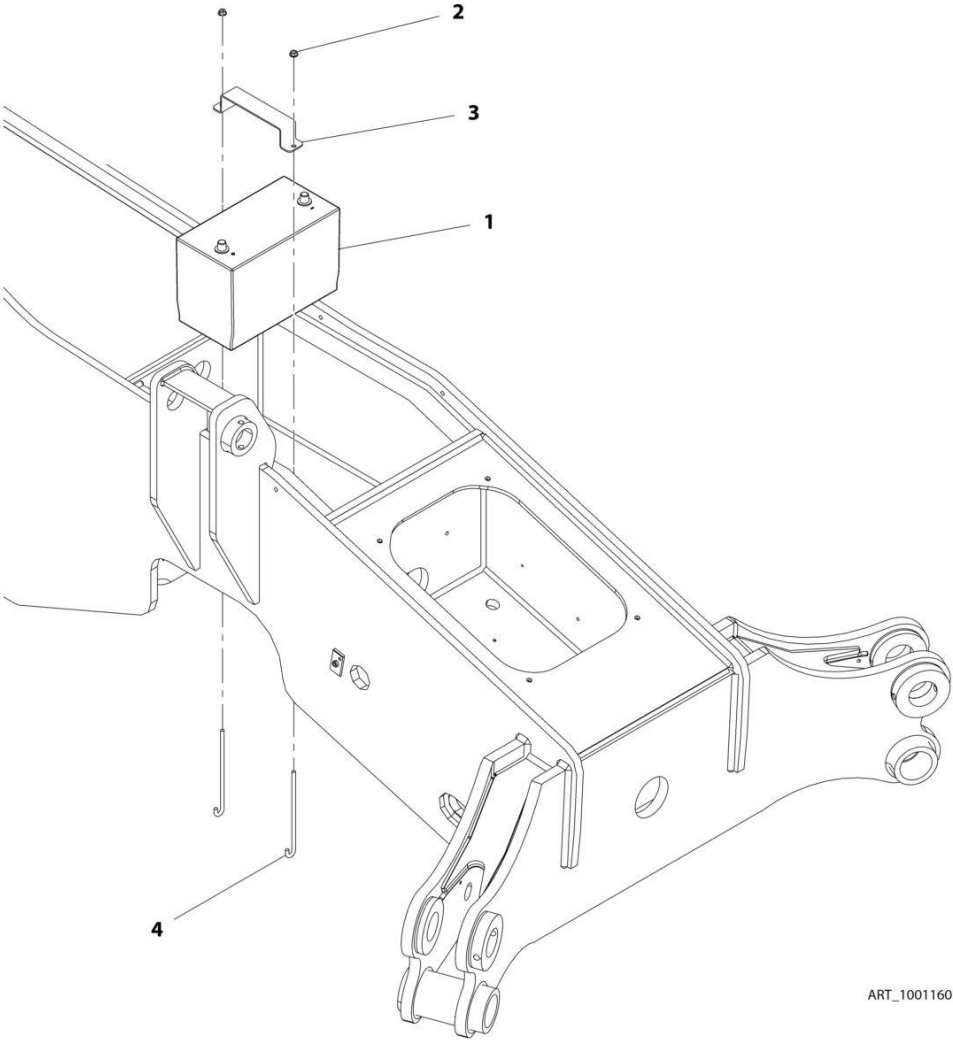
SECTION 10 - ELECTRICAL

FIGURE 10-10. ARCTIC COLD WEATHER PACKAGE INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001211944	Ref	Arctic Weather Package Installation (LS)	A
	1001190670	Ref	Installation, Arctic Batteries (See Separate Breakdown in this Section)	
2	1001190671	Ref	Installation, Tank Heater (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-11. BATTERY INSTALLATION



ART_1001160711-C

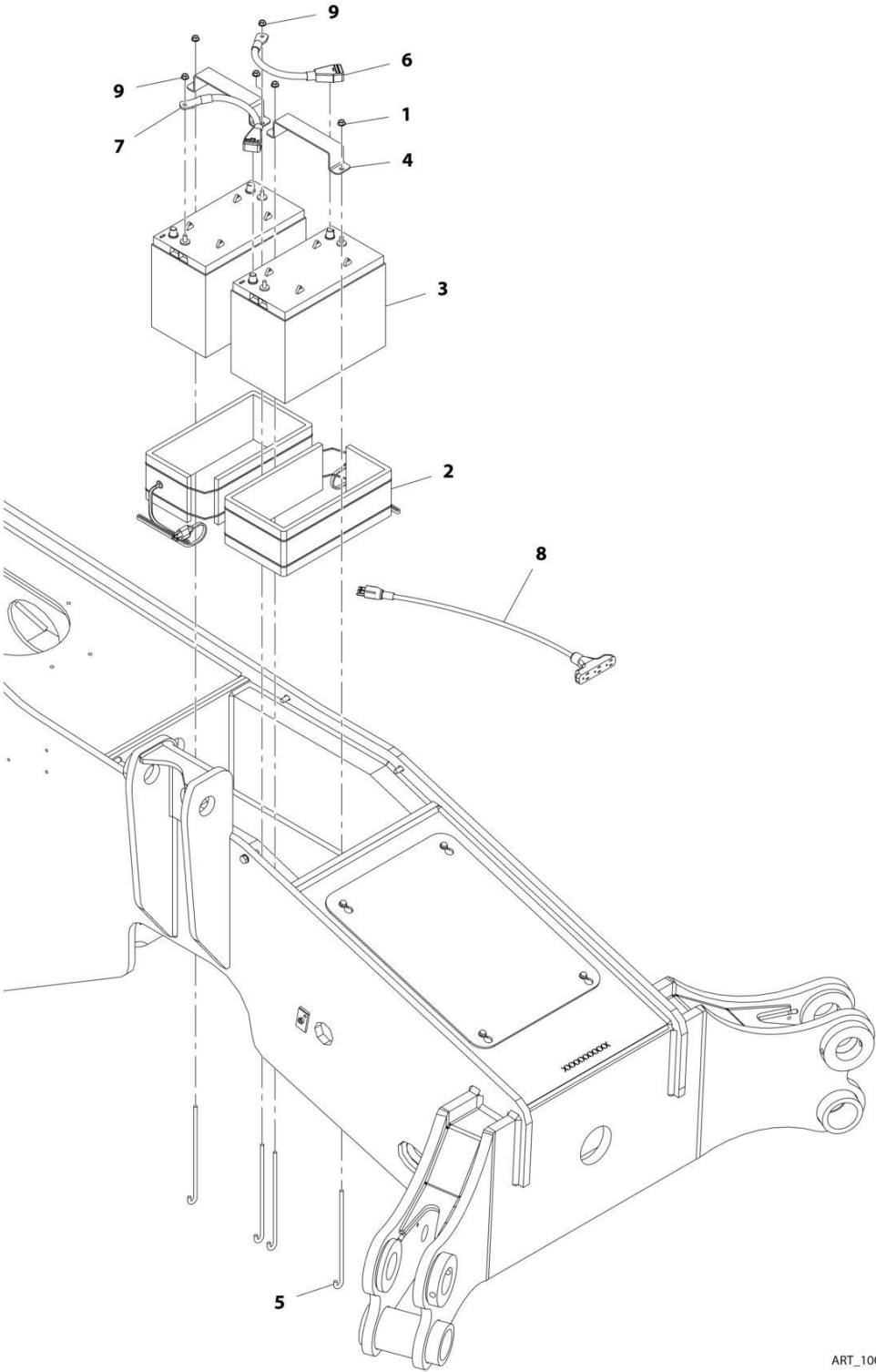
SECTION 10 - ELECTRICAL

FIGURE 10-11. BATTERY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160711	Ref	Battery Installation	C
1	0400075	1	Battery, 12V	
2	5220800	2	Nut, M8	
3	1001160927	1	Plate	
4	1001181961	2	J-Bolt	

SECTION 10 - ELECTRICAL

FIGURE 10-12. BATTERY INSTALLATION - ARCTIC PACKAGE



ART_1001190670-C

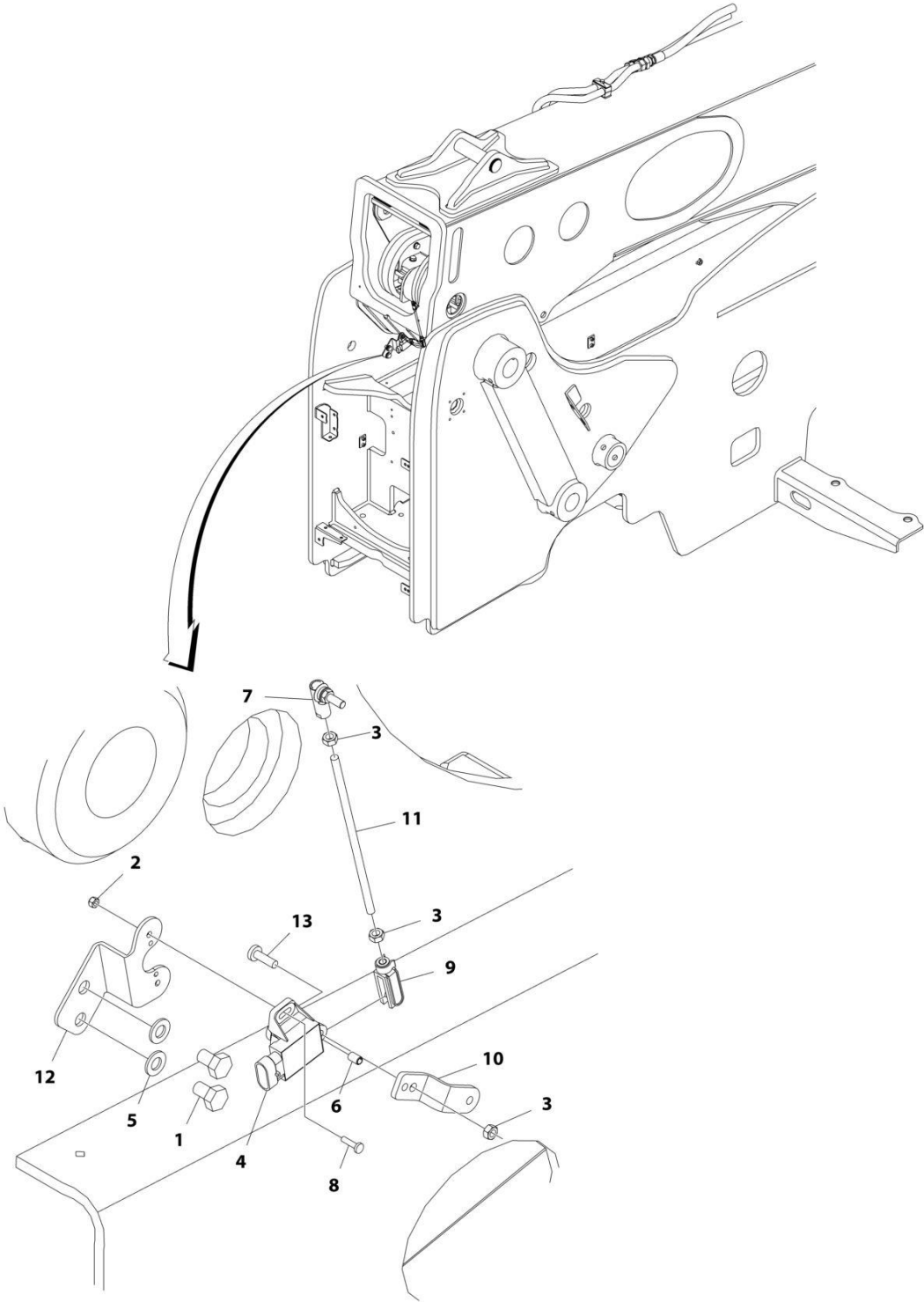
SECTION 10 - ELECTRICAL

FIGURE 10-12. BATTERY INSTALLATION - ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190670	Ref	Artic Batteries Installation	C
1	5220800	4	Nut, M8	
2	1001093564	2	Heater, Battery	
3	1001098762	2	Battery, 12V	
4	1001160927	2	Plate	
5	1001160928	4	J-Bolt	
6	1001172495	1	Cable	
7	1001172496	1	Cable	
8	1060626	1	Cord, 3-Way Extension	
9	3311508	2	Nut	

SECTION 10 - ELECTRICAL

FIGURE 10-13. BOOM ANGLE SENSOR INSTALLATION (STANDARD)



ART_1001184056_D

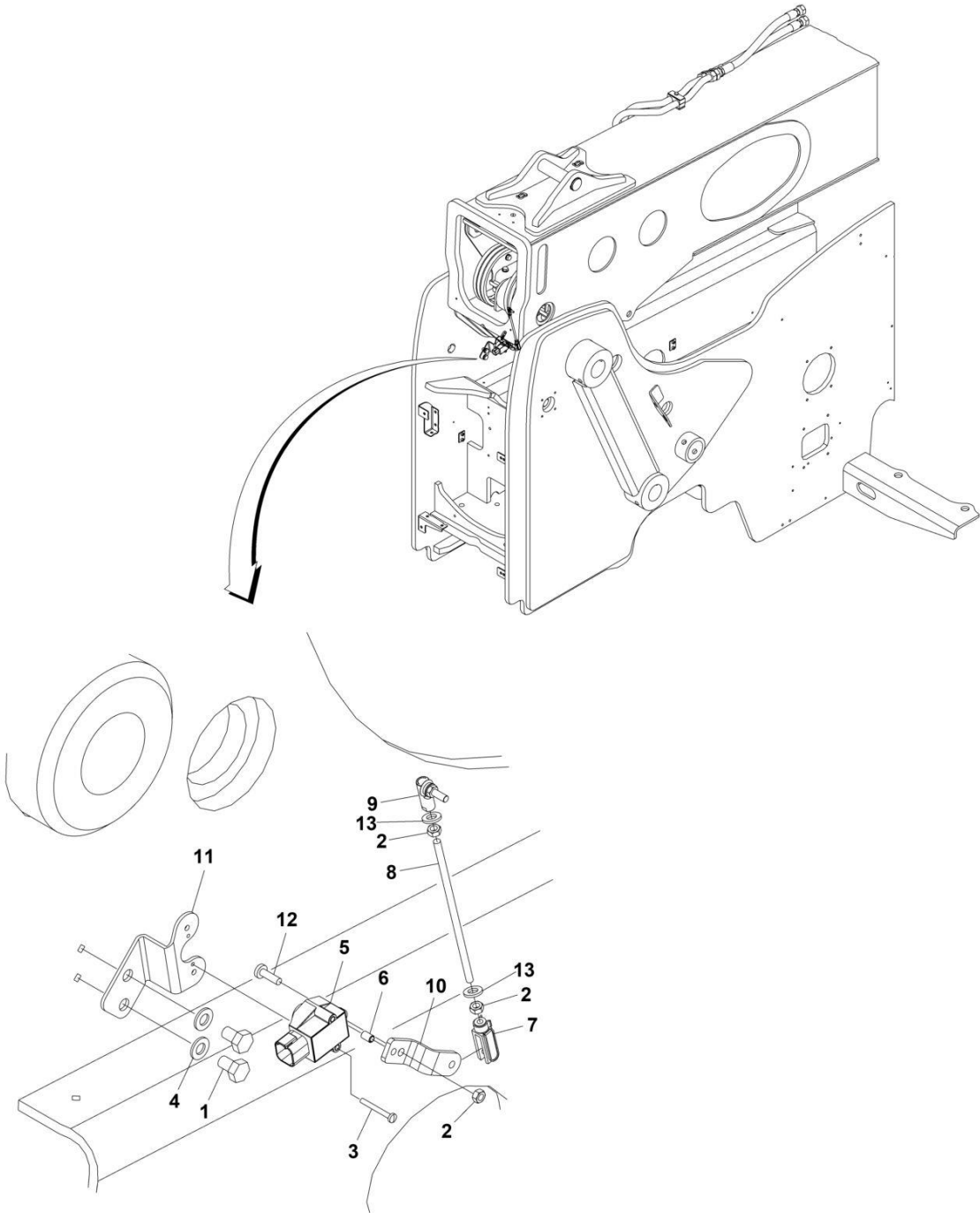
SECTION 10 - ELECTRICAL

FIGURE 10-13. BOOM ANGLE SENSOR INSTALLATION (STANDARD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184056	Ref	BOOM ANGLE SENSOR INSTALLATION (STANDARD)	D
1	0761008	2	Bolt M10 x 16	
2	3290405	2	Nut M4 x 0.7	
3	3290601	3	Nut M6 x 1	
4	1001278028	1	Sensor, Angle	
5	4812000	2	Washer M10	
6	1001103156	1	Pin	
7	1001184484	1	Joint, Ball	
8	1001126837	2	Screw M4 x 16	
9	1001134274	1	Clevis	
10	1001188787	1	Link, Boom Angle Sensor	
11	1001168482	1	Rod	
12	1001211059	1	Bracket, Boom Angle Sensor	
13	4010610002	1	Screw M6 x 20	

SECTION 10 - ELECTRICAL

FIGURE 10-14. BOOM ANGLE SENSOR INSTALLATION (LSI)



ART_1001259082

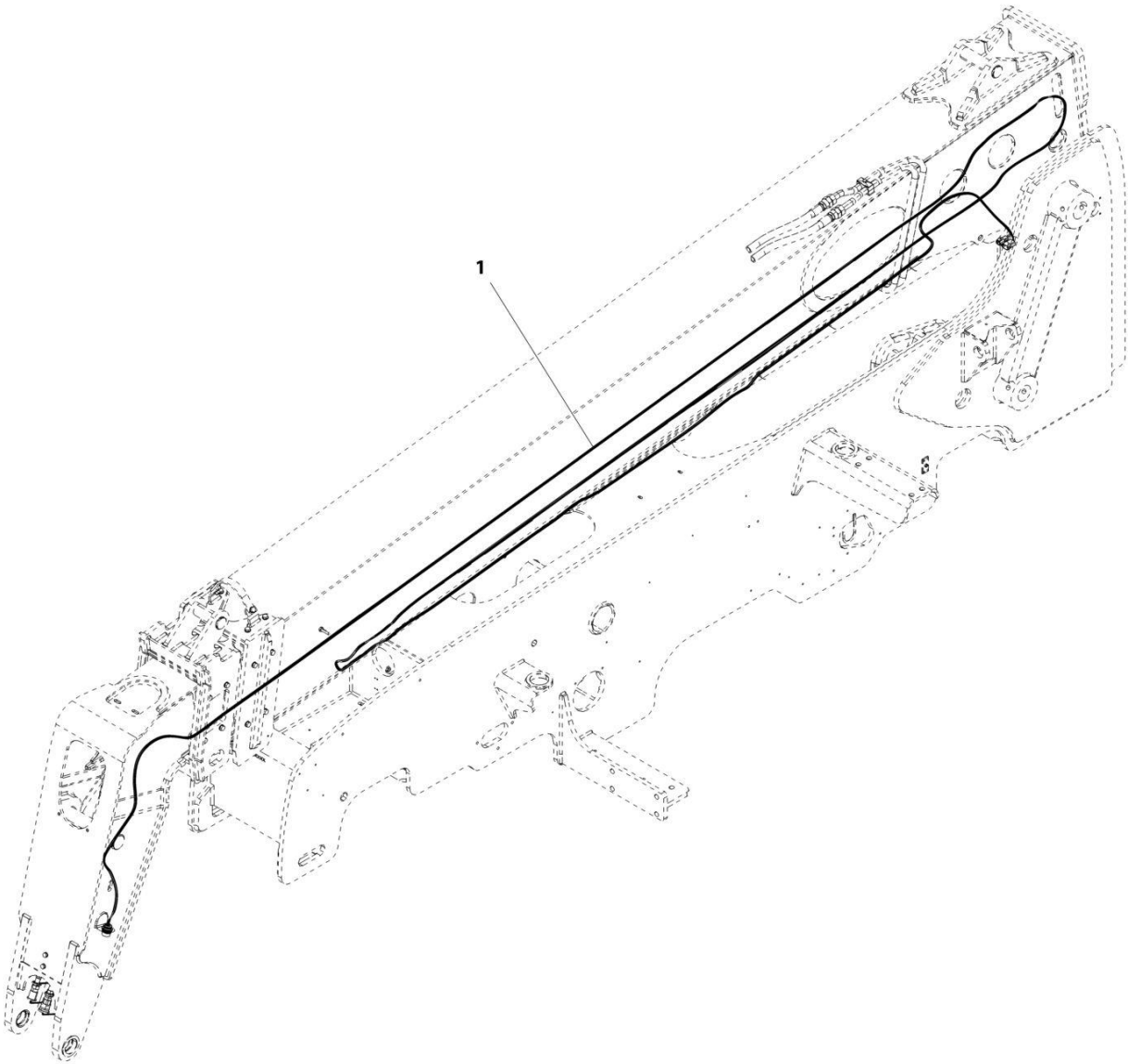
SECTION 10 - ELECTRICAL

FIGURE 10-14. BOOM ANGLE SENSOR INSTALLATION (LSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259082	Ref	BOOM ANGLE SENSOR INSTALLATION	B
1	0761008	2	Bolt M10 X 16	
2	3290601	3	Nut M6	
3	4010415	2	Screw M4 x 35	
4	4812000	2	Washer M10	
5	1001099717	1	Sensor, Angle	
6	1001103156	1	Pin	
7	1001134274	1	Clevis	
8	1001168482	1	Rod	
9	1001184484	1	Joint, Ball	
10	1001188787	1	Link, Boom Angle Sensor	
11	1001211059	1	Bracket, Boom Angle Sensor	
12	4010610002	1	Screw M6 X 20	
13	4761400	1	Washer 1/4	

SECTION 10 - ELECTRICAL

FIGURE 10-15. BOOM ELECTRICAL HARNESS INSTALLATION



ART_1001174426-E

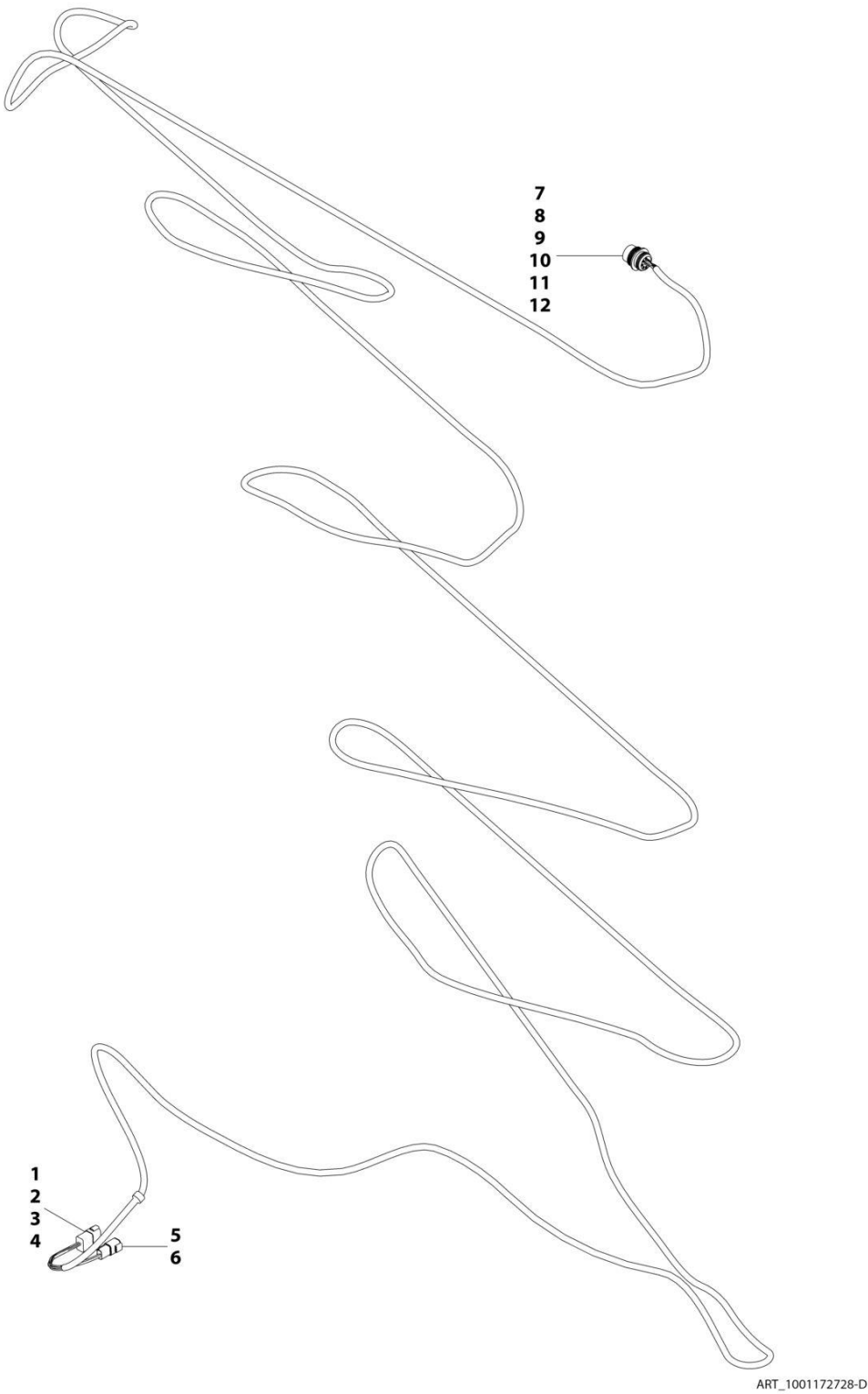
SECTION 10 - ELECTRICAL

FIGURE 10-15. BOOM ELECTRICAL HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001174426 1001172728	Ref 1	Boom Electrical Harness Installation Harness, Boom (See Separate Breakdown in this Section)	E

SECTION 10 - ELECTRICAL

FIGURE 10-16. BOOM ELECTRIC HARNESS



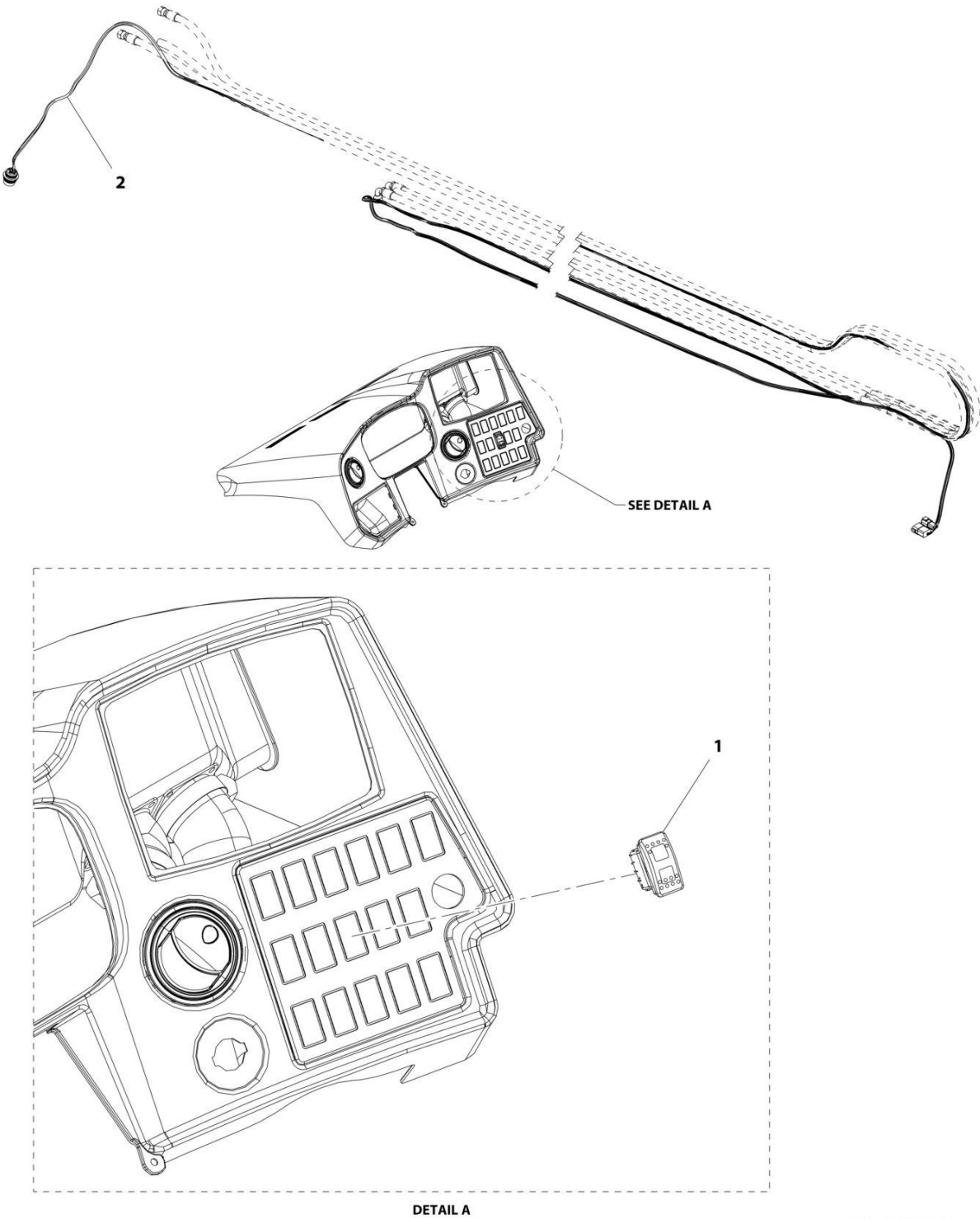
SECTION 10 - ELECTRICAL

FIGURE 10-16. BOOM ELECTRIC HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172728	Ref	Boom Harness	D
1	4460931	1	Connector	
2	4460943	2	Terminal	
3	4460464	4	Terminal	
4	4460466	2	Plug	
5	4461017	1	Connector	
6	4460508	2	Terminal	
7	1001112612	1	Connector	
8	1001183221	1	Boot	
9	1001157891	1	Terminal	
10	4460464	4	Terminal	
11	4460943	2	Terminal	
12	4460466	1	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-17. BOOM AUXILIARY ELECTRIC INSTALLATION



ART_1001187532-A

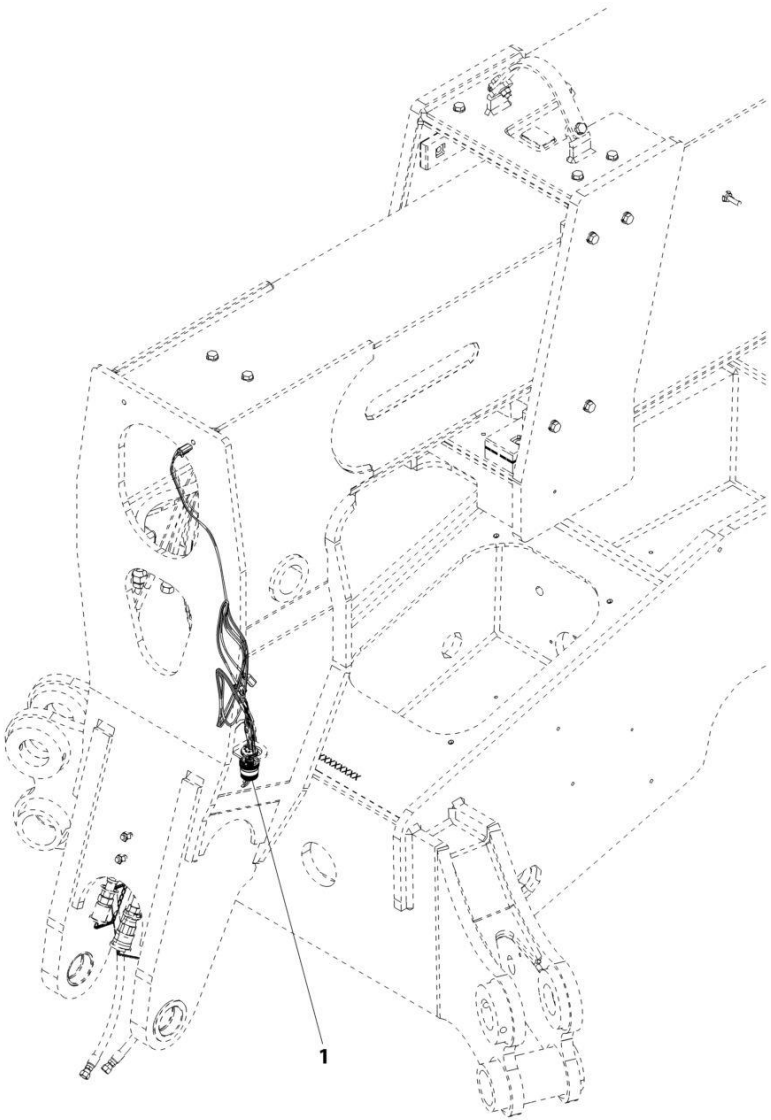
SECTION 10 - ELECTRICAL

FIGURE 10-17. BOOM AUXILIARY ELECTRIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187532	Ref	Boom Auxiliary Electric Installation	A
1	1001159746	1	Switch, Auxiliary Electric	
2	1001174426	1	Installation, Boom Electrical Harness (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-18. BOOM AUXILIARY ELECTRIC HARNESS INSTALLATION



ART_1001167799-B

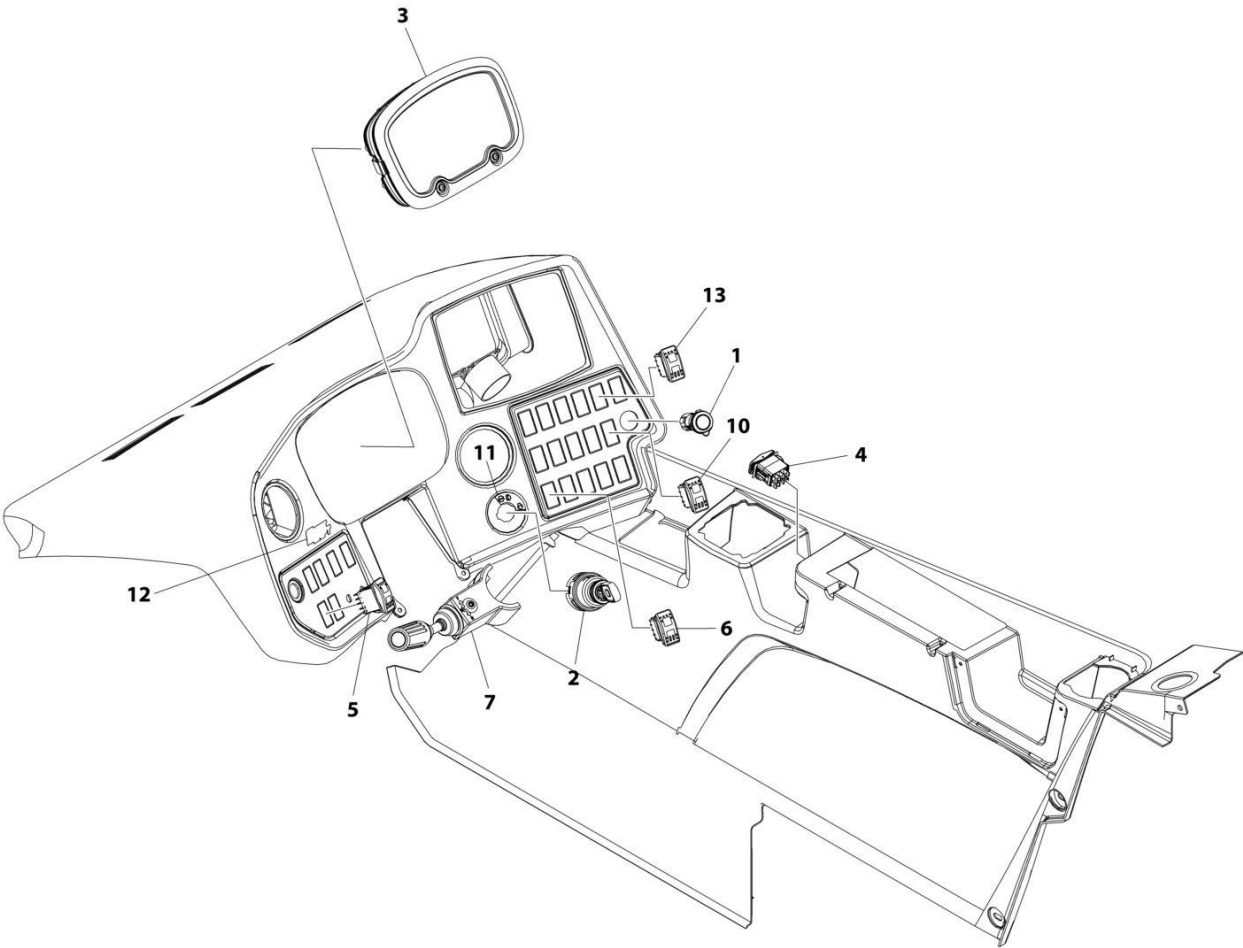
SECTION 10 - ELECTRICAL

FIGURE 10-18. BOOM AUXILIARY ELECTRIC HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001167799 1001167695	Ref 1	Boom Auxiliary Electric Harness Installation Harness, Platform (See Separate Breakdown in this Section)	B

SECTION 10 - ELECTRICAL

FIGURE 10-19. CAB DASH ELECTRICAL (ULS)



ART_1001173849_J

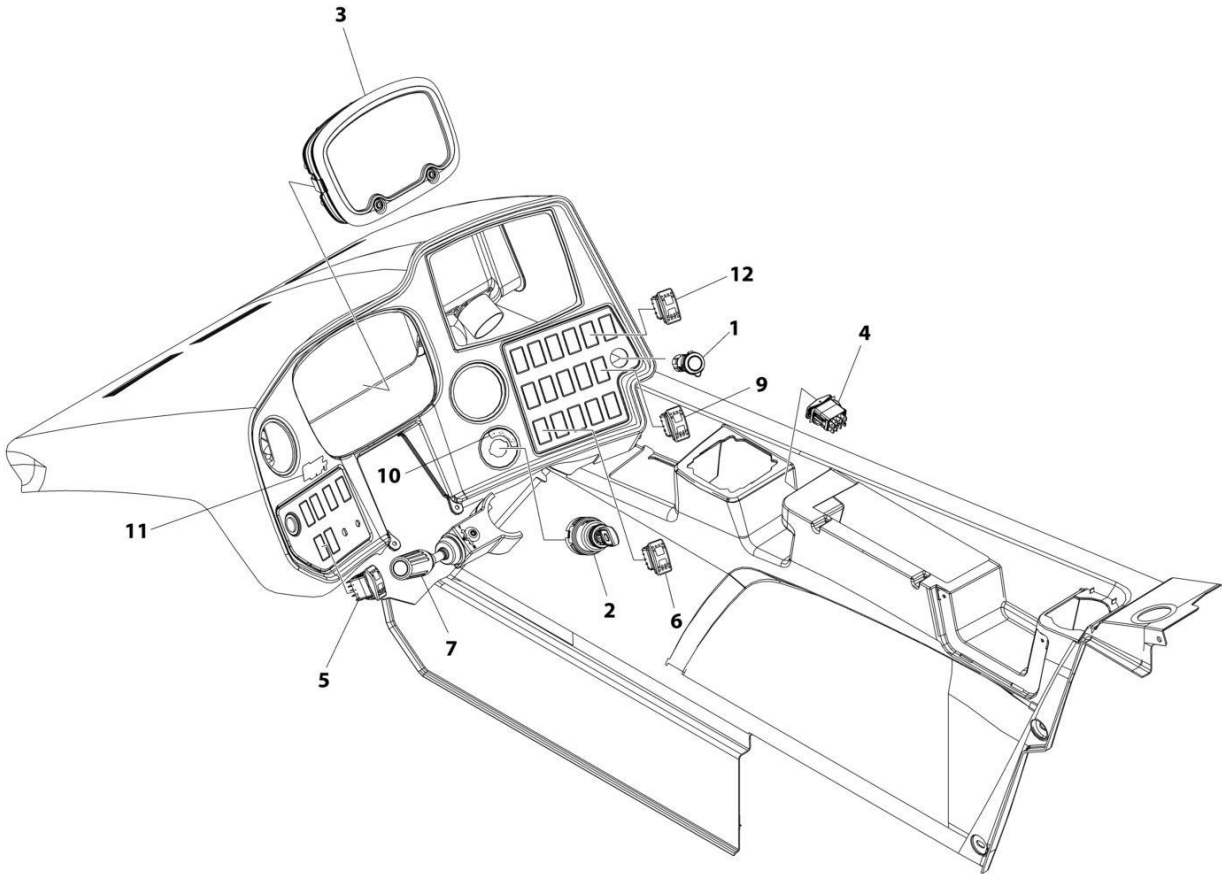
SECTION 10 - ELECTRICAL

FIGURE 10-19. CAB DASH ELECTRICAL (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173849	Ref	DASH ELECTRICAL INSTALLATION (IF EQUIPPED FOR ULS)	J
1	1001095804	1	Connector, 12V Power Socket	
2	1001102502	1	Switch, 4 Position Key	
2	70022765	1	Key, Ignition	
3	1001158146	1	Cluster, Electrical Gauge	
4	1001212470	1	Switch, Frame Level	
5	1001159753	1	Switch, Park Brake	
6	1001159849	1	Switch, Steer Mode	
7	1001239793	1	Switch, FNR 4 Speed	
10	1001104654	1	Switch, AUX	
11	1001181531	1	Decal, Ignition Switch	
12	1001262072	1	Decal, Smart Shift Logo	
13	1001285715	1	Switch, Beacon	

SECTION 10 - ELECTRICAL

FIGURE 10-20. CAB DASH ELECTRICAL (LS)



ART_1001203225_F

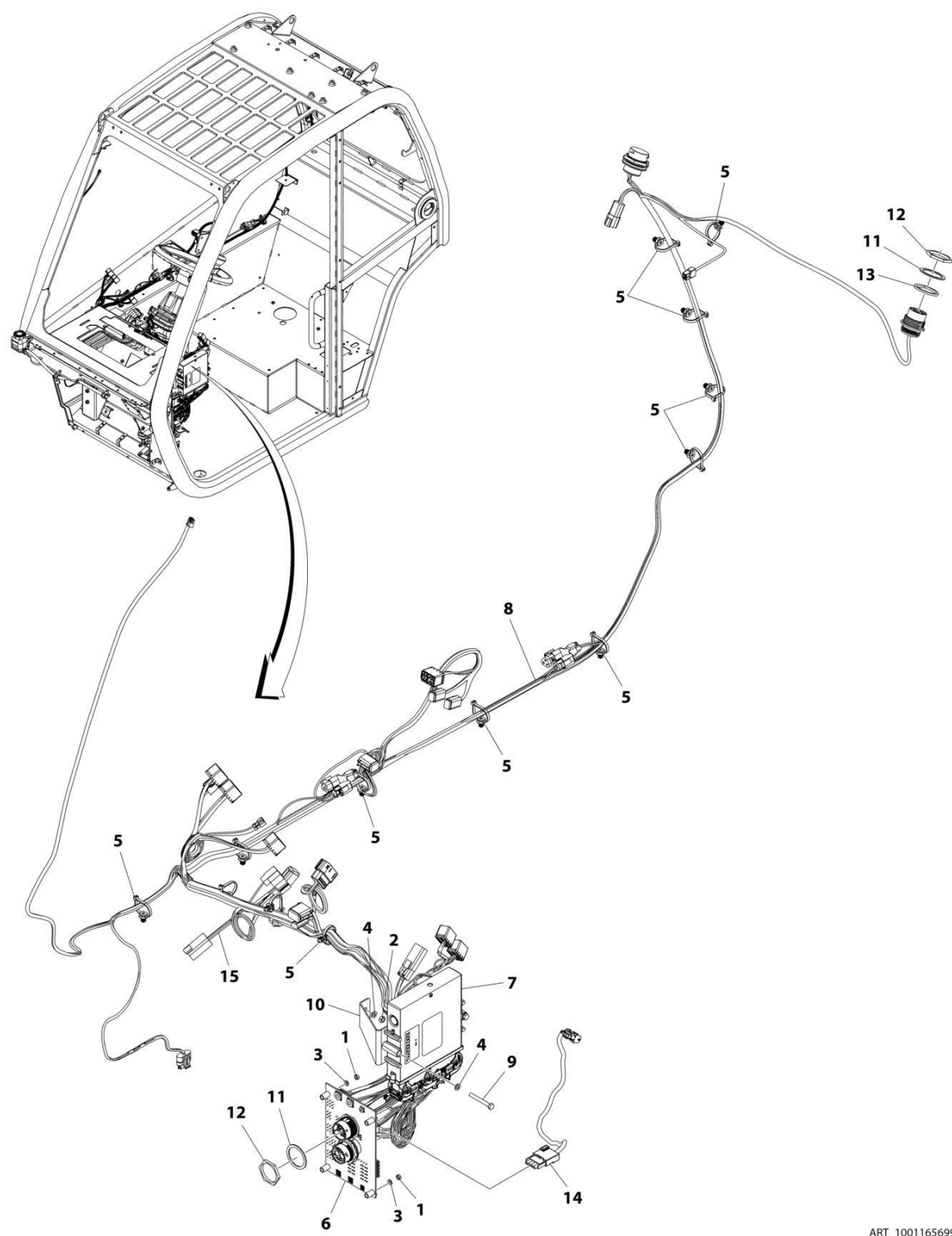
SECTION 10 - ELECTRICAL

FIGURE 10-20. CAB DASH ELECTRICAL (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203225	Ref	DASH ELECTRICAL INSTALLATION (LS)	F
1	1001095804	1	Connector, 12V Power Socket	
2	1001102502	1	Switch, 4 Position Key	
2	70022765	1	Key, Ignition	
3	1001202454	1	Cluster, Electrical Gauge	
4	1001212470	1	Switch, Frame Level	
5	1001159753	1	Switch, Park Brake	
6	1001159849	1	Switch, Steer Mode	
7	1001239793	1	Switch, FNR 4 Speed	
9	1001104654	1	Switch, AUX	
10	1001181531	1	Decal, Ignition Switch	
11	1001262072	1	Decal, Smart Shift Logo	
12	1001285715	1	Switch, Beacon	

SECTION 10 - ELECTRICAL

FIGURE 10-21. CAB ELECTRICAL INSTALLATION



ART_1001165699_M

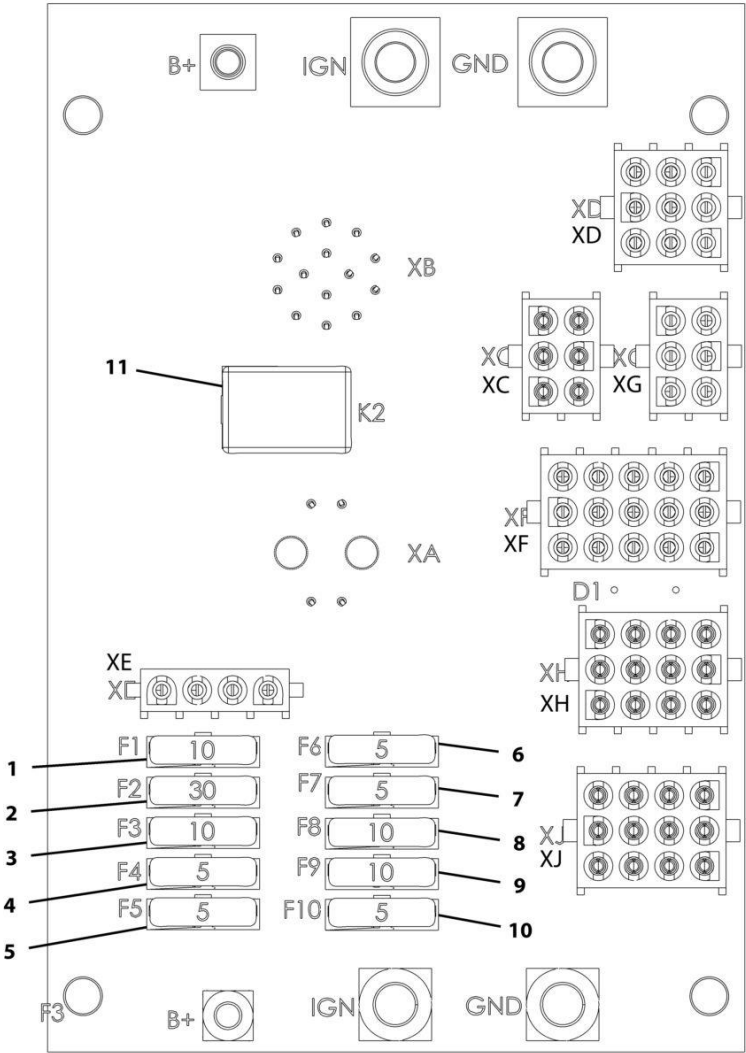
SECTION 10 - ELECTRICAL

FIGURE 10-21. CAB ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165699	Ref	CAB ELECTRICAL INSTALLATION	M
1	3290501	3	Nut M5 x 0.8	
2	3290601	2	Nut M6 x 1	
3	120034	3	Washer, Plastic	
4	4811700	4	Washer M6	
5	1001146588	16	Tie Strap	
6	1001161769	1	Assembly, Standard Electrical Board (See Separate Breakdown in this Section)	
7	1001270466	1	Module	
8	1001282322	1	Harness, Cab (See Separate Breakdown in this Section)	
9	0700618	2	Bolt M6 x 50	
10	1001178933	1	Bracket	
11	4460496	4	Washer, Terminal Lock	
12	4460497	4	Nut, Terminal	
13	1001211693	2	Seal	
14	1001213988	1	Cable (See Separate Breakdown in this Section)	
15	1001241610	1	Key Harness (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-22. CAB ELECTRICAL BOARD ASSEMBLY



ART_1001161769-C

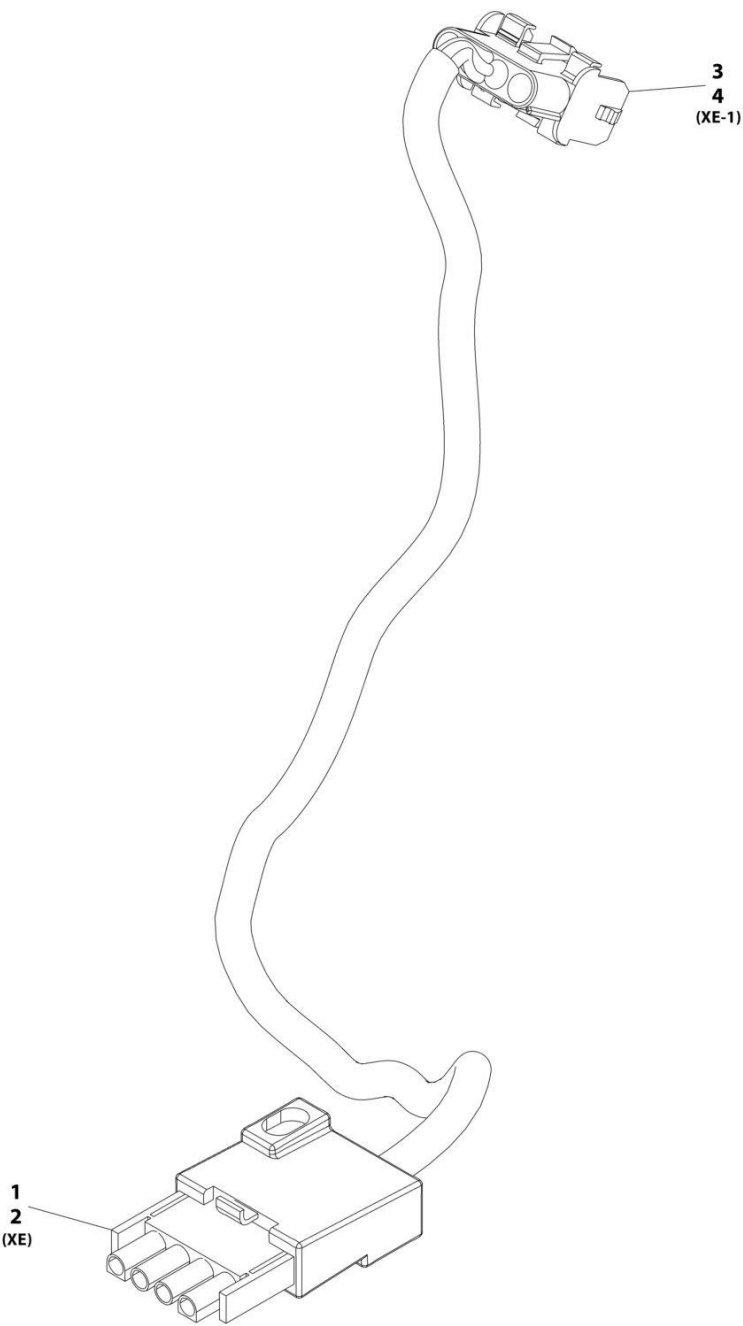
SECTION 10 - ELECTRICAL

FIGURE 10-22. CAB ELECTRICAL BOARD ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161769	Ref	Standard Electrical Board Assembly	C
1	80983191	1	Fuse, 10AMP	
2	8229245	1	Fuse, 30AMP	
3	80983191	1	Fuse, 10AMP	
4	8229242	1	Fuse, 5AMP	
5	8229242	1	Fuse, 5AMP	
6	8229242	1	Fuse, 5AMP	
7	8229242	1	Fuse, 5AMP	
8	80983191	1	Fuse, 10AMP	
9	80983191	1	Fuse, 10AMP	
10	8229242	1	Fuse, 5AMP	
11	70026292	1	Fuse, 35AMP	

SECTION 10 - ELECTRICAL

FIGURE 10-23. CAB ELECTRICAL COMMUNICATION CABLE



ART_1001213988-A

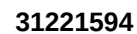
SECTION 10 - ELECTRICAL

FIGURE 10-23. CAB ELECTRICAL COMMUNICATION CABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213988	Ref	Communication Analyzer Cable	A
1	4460321	1	Connector	
2	4460268	4	Terminal	
3	4460761	1	Connector	
4	4460267	4	Terminal	

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ART_1001282322_A

SECTION 10 - ELECTRICAL

FIGURE 10-24. CAB HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282322	Ref	CAB HARNESS	B
1	4460945	2	Terminal, 3 Way "T" Receptacle	
2	4460984	1	Plug, 8 Pin	
3	8220375	1	Cap	
4	1001177597	2	Diode, 6amp	
5	1001116815	1	Connector, 3 Pin	
6	1001008559	3	Tie-Strap	
101	1001116991	1	Connector	
102	1001118384	2	Terminal	
103	4460932	1	Connector	
104	4460941	4	Terminal	
105	1001112612	1	Connector	
106	4460464	5	Terminal	
107	4460943	4	Terminal	
109	4461016	1	Connector	
110	4460941	6	Terminal	
111	4460464	5	Terminal	
112	4460466	3	Plug	
113	1001116812	2	Connector	
114	4460944	4	Terminal	
115	4460466	2	Plug	
116	4460539	2	Connector	
117	4460944	4	Terminal	
118	4460466	2	Plug	
119	1001117081	1	Connector	
120	1001223455	2	Terminal	
121	1001118384	2	Terminal	
122	1001116723	2	Terminal	
123	4460884	2	Connector	
124	4460465	8	Terminal	
125	4460894	1	Connector	
126	4460465	3	Terminal	
127	4460944	2	Terminal	
128	4460466	1	Plug	
130	1001230931	1	Connector	
131	1001116748	4	Terminal	
132	1001273991	2	Terminal	
133	1001150735	1	Connector	
134	1001150737	7	Terminal	
135	1001117081	1	Connector	
136	1001118384	3	Terminal	
137	1001223455	1	Terminal	
138	1001116723	4	Terminal	
139	1001117081	1	Connector	
140	1001116723	6	Terminal	
141	1001223455	1	Terminal	
142	1001194421	1	Connector	
143	1001117081	1	Connector	
144	1001223455	3	Terminal	
145	1001118384	2	Terminal	

SECTION 10 - ELECTRICAL

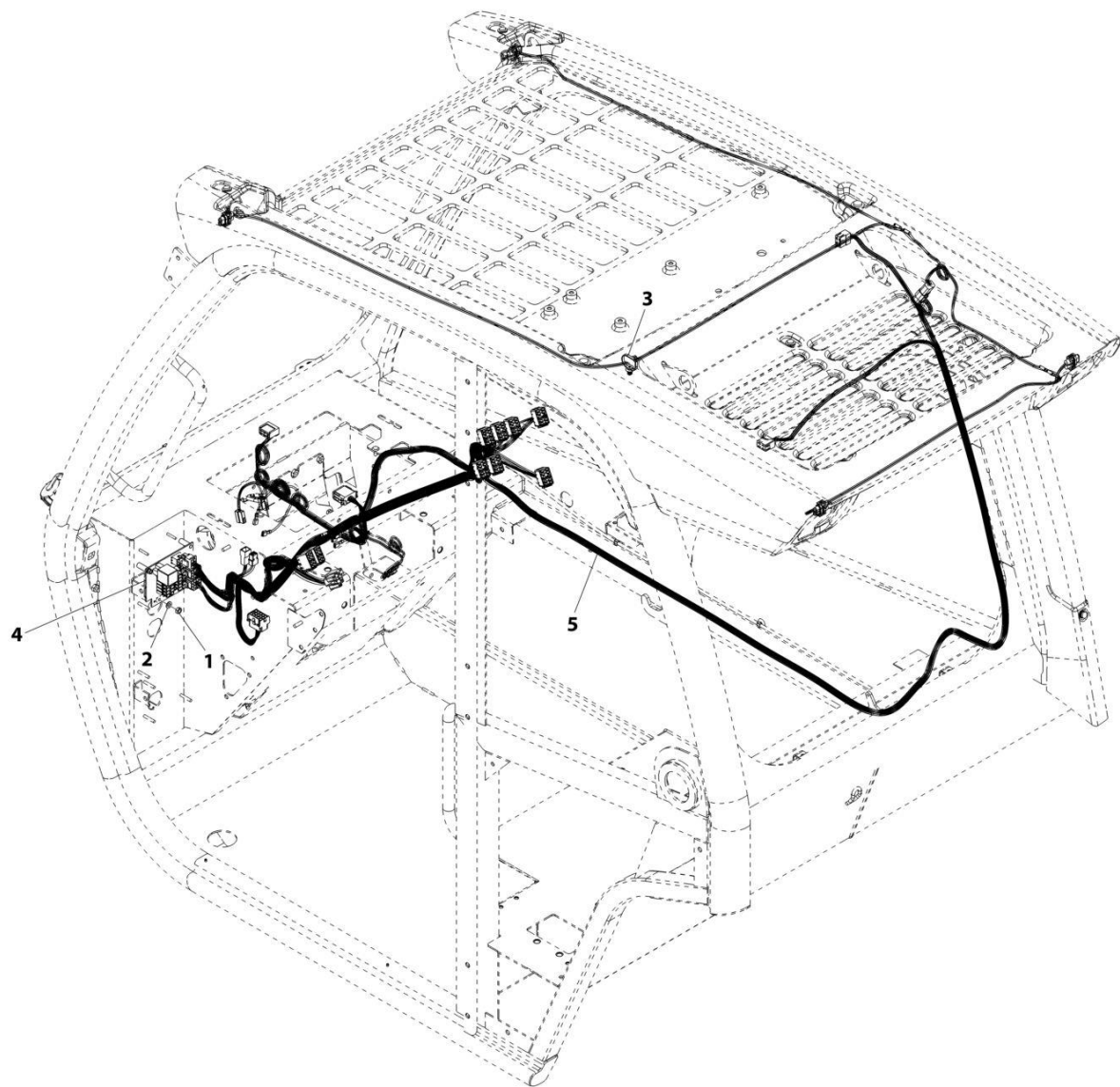
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
146	1001116723	6	Terminal	
147	1001118684	1	Connector	
148	1001116754	2	Terminal	
149	1001162886	1	Connector	
150	1001162887	7	Terminal	
151	1001163340	13	Plug	
152	4460897	1	Connector	
153	4460464	1	Terminal	
154	4460466	1	Plug	
155	4460894	1	Connector	
156	4460465	4	Terminal	
157	4460466	2	Plug	
158	4460933	1	Connector	
159	4460465	9	Terminal	
160	4460466	3	Plug	
161	4460539	1	Connector	
162	4460465	3	Terminal	
163	4460343	1	Connector	
164	4460268	6	Terminal	
165	1001223457	15	Terminal	
166	4460930	1	Connector	
167	4460465	8	Terminal	
168	4460894	1	Connector	
169	4460465	5	Terminal	
170	4460466	1	Plug	
171	4460899	1	Connector	
172	4460464	1	Terminal	
173	4460466	5	Plug	
174	1001117081	2	Connector	
175	1001118384	2	Terminal	
176	1001223455	2	Terminal	
177	1001116723	8	Terminal	
178	4460434	1	Connector	
179	4460268	6	Terminal	
180	1001223457	7	Terminal	
181	4460744	1	Connector	
182	4460746	6	Terminal	
183	1001175265	6	Seal	
184	1001103012	1	Connector	
185	1001116698	2	Plug	
186	1001116697	1	Terminal	
187	1001237212	1	Terminal	
188	1001116763	2	Seal	
189	4460265	1	Connector	
190	4460268	7	Terminal	
191	1001223457	2	Terminal	
192	4460225	1	Connector	
193	4460267	6	Terminal	
194	4460225	1	Connector	
195	4460268	5	Terminal	
196	4460343	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
197	4460267	11	Terminal	
198	1001223456	1	Terminal	
199	4460343	1	Connector	
200	4460268	8	Terminal	
201	1001223457	1	Terminal	
202	4460434	1	Connector	
203	4460268	12	Terminal	
204	1001160498	1	Connector	
205	1001161097	22	Terminal	
206	1001161098	6	Terminal	
207	1001161099	1	Terminal	
208	1001161100	2	Plug	
209	1001161101	1	Plug	
210	1001161959	1	Connector	
211	1001161097	12	Terminal	
212	1001161098	1	Terminal	
213	1001161100	10	Plug	
214	1001161101	7	Plug	
215	1001160502	1	Connector	
216	1001161097	21	Terminal	
217	1001161098	5	Terminal	
218	1001161099	1	Terminal	
219	1001161100	19	Plug	
220	1001161101	2	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-25. CAB ELECTRICAL INSTALLATION - ENCLOSED



ART_1001166763-E

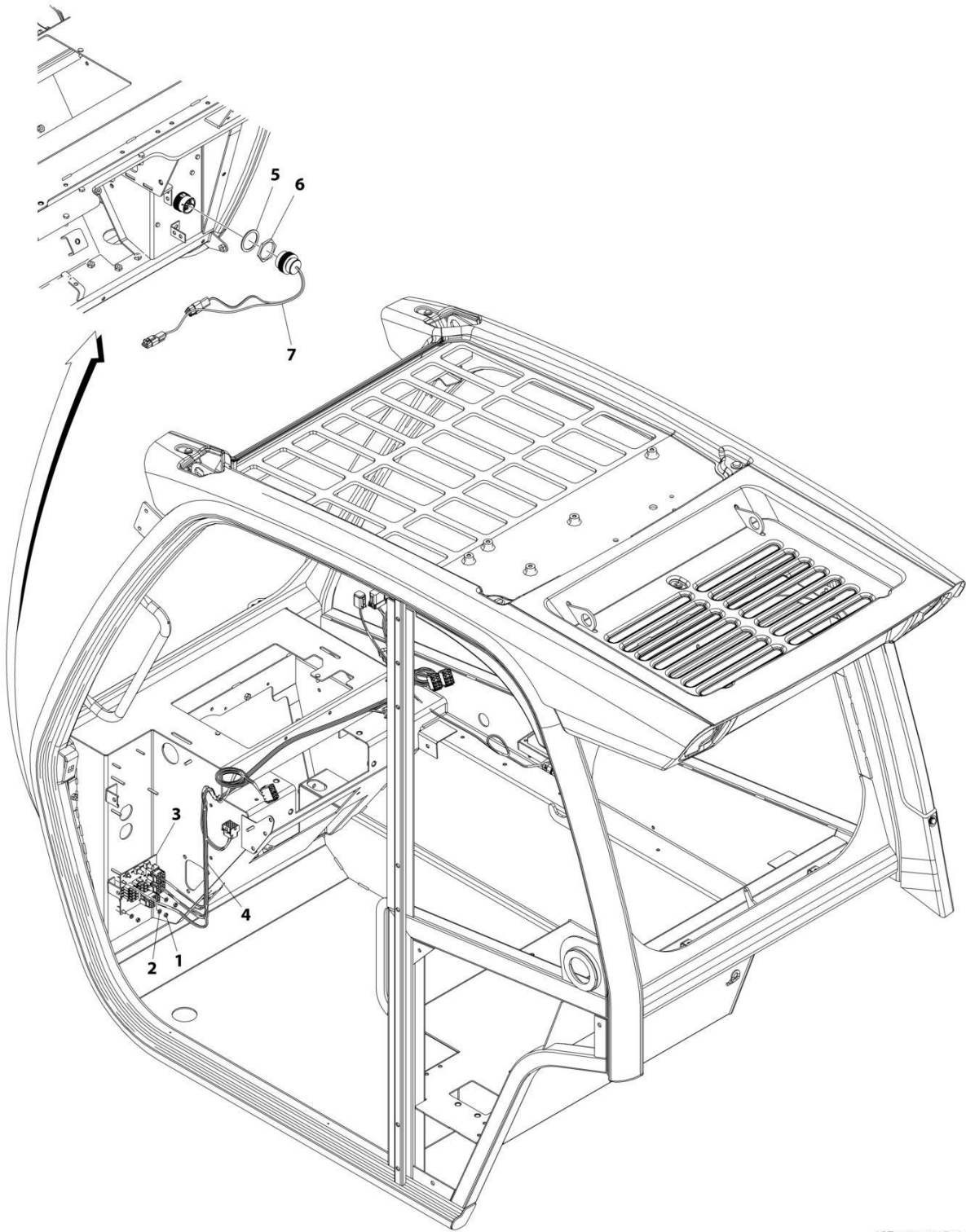
SECTION 10 - ELECTRICAL

FIGURE 10-25. CAB ELECTRICAL INSTALLATION - ENCLOSED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166763	Ref	Enclosed Cab Electrical Installation with Options	E
1	3290501	1	Nut, M5X0.8	
2	120034	1	Washer, Plastic	
3	1001146588	1	Strap, Tie	
4	1001161770	1	Assembly, Option 1 Electrical Board (See Separate Breakdown in this Section)	
5	1001163371	1	Harness, Option 1 Cab (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-26. CAB ELECTRICAL INSTALLATION - OPEN



ART_1001166764_G

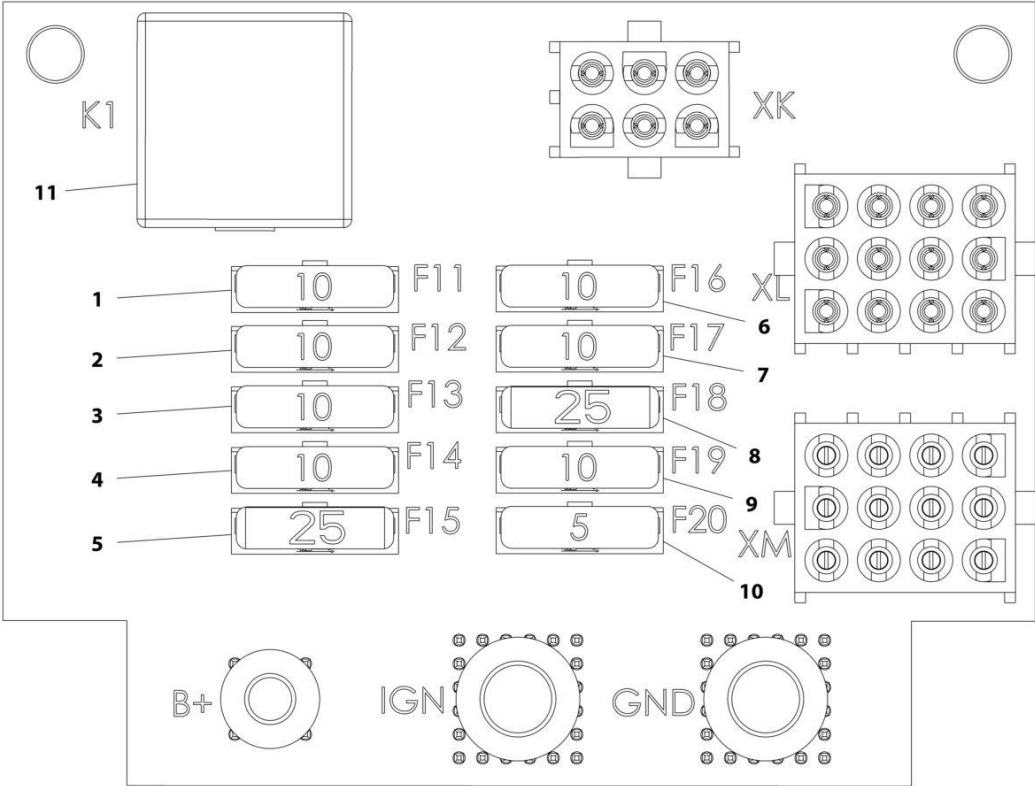
SECTION 10 - ELECTRICAL

FIGURE 10-26. CAB ELECTRICAL INSTALLATION - OPEN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166764	Ref	CAB ELECTRICAL INSTALLATION - OPEN	G
1	3290501	3	Nut M5 x 51/64	
2	120034	3	Washer, Plastic	
3	1001161771	1	Assembly, Option 2 Electrical Board (See Separate Breakdown in this Section)	
4	1001283420	1	Harness, Option 2 Cab (See Separate Breakdown in this Section)	
5	4460496	1	Washer, Terminal Lock	
6	4460497	1	Nut, Terminal	
7	1001271436	1	Harness, Cab Option (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-27. CAB OPTION 1 ELECTRICAL BOARD



ART_1001161770-C

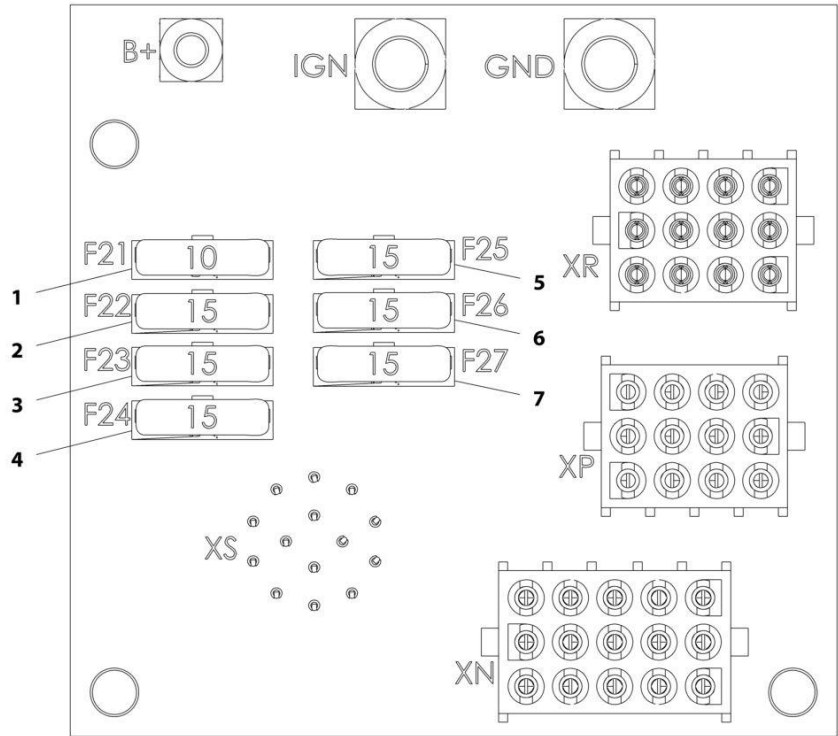
SECTION 10 - ELECTRICAL

FIGURE 10-27. CAB OPTION 1 ELECTRICAL BOARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161770	Ref	Option 1 Electrical Board Assembly	C
1	80983191	1	Fuse, 10AMP	
2	80983191	1	Fuse, 10AMP	
3	80983191	1	Fuse, 10AMP	
4	80983191	1	Fuse, 10AMP	
5	8229247	1	Fuse, 25AMP	
6	80983191	1	Fuse, 10AMP	
7	80983191	1	Fuse, 10AMP	
8	8229247	1	Fuse, 25AMP	
9	80983191	1	Fuse, 10AMP	
10	8229242	1	Fuse, 5AMP	
11	70026293	1	Fuse, 50AMP	

SECTION 10 - ELECTRICAL

FIGURE 10-28. CAB OPTION 2 ELECTRICAL BOARD



ART_1001161771-B

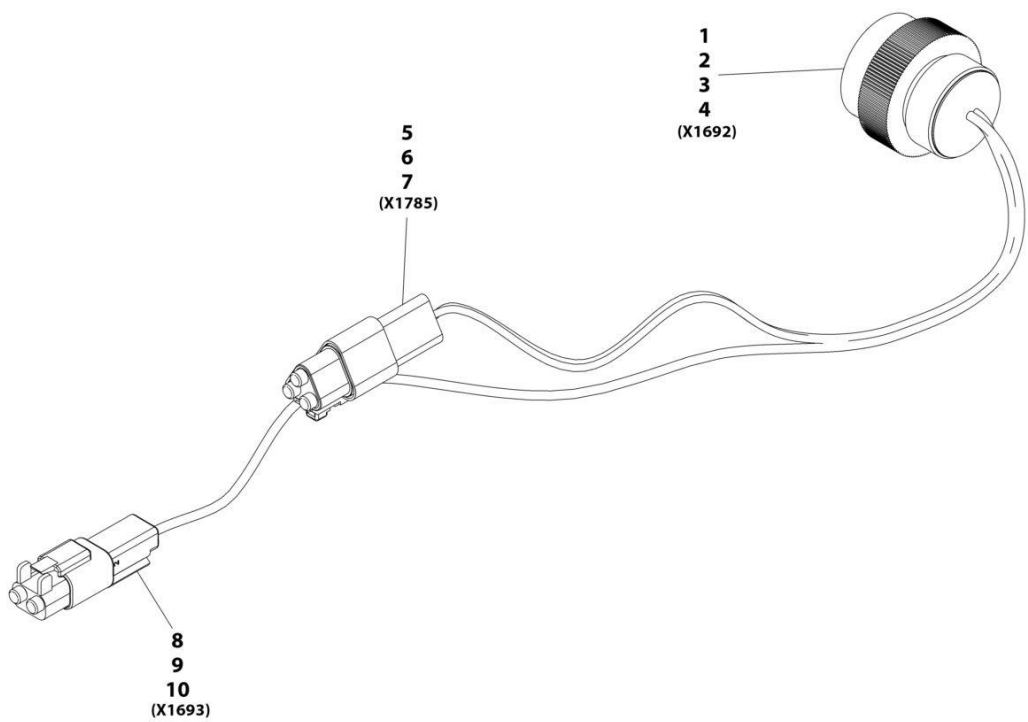
SECTION 10 - ELECTRICAL

FIGURE 10-28. CAB OPTION 2 ELECTRICAL BOARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161771	Ref	Option 2 Electrical Board Assembly	B
1	80983191	1	Fuse, 10AMP	
2	8229244	1	Fuse, 15AMP	
3	8229244	1	Fuse, 15AMP	
4	8229244	1	Fuse, 15AMP	
5	8229244	1	Fuse, 15AMP	
6	8229244	1	Fuse, 15AMP	
7	8229244	1	Fuse, 15AMP	

SECTION 10 - ELECTRICAL

FIGURE 10-29. CAB OPTION HARNESS



ART_1001271436-A

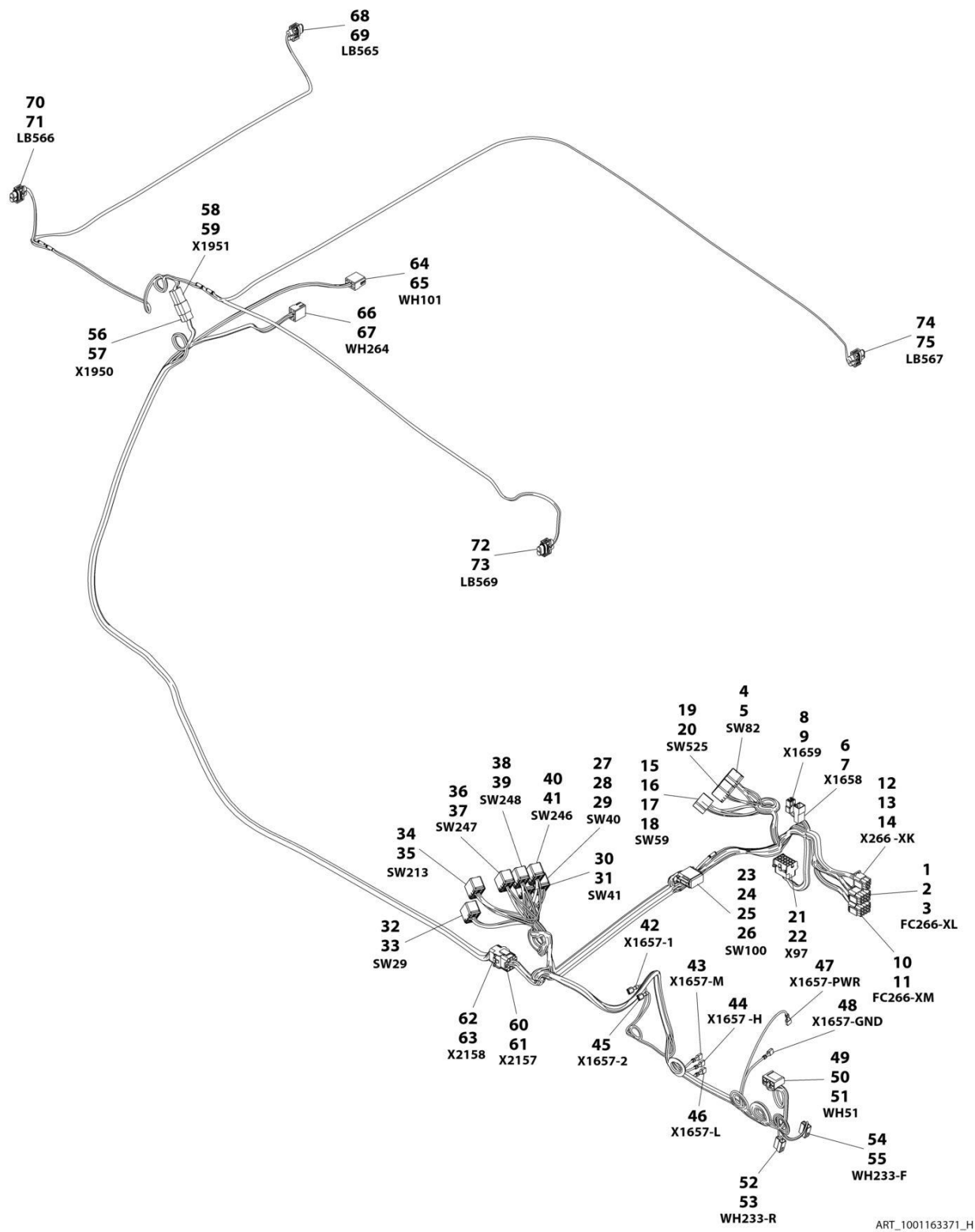
SECTION 10 - ELECTRICAL

FIGURE 10-29. CAB OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001271436	Ref	CAB OPTION HARNESS	A
1	4461015	1	Connector	
2	4460465	2	Terminal	
3	4460942	1	Terminal	
4	4460466	11	Plug	
5	1001144147	1	Connector	
6	4460943	2	Terminal	
7	4460466	1	Plug	
8	4460897	1	Connector	
9	4460941	1	Terminal	
10	4460466	1	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-30. CAB OPTION 1 HARNESS



SECTION 10 - ELECTRICAL

FIGURE 10-30. CAB OPTION 1 HARNESS

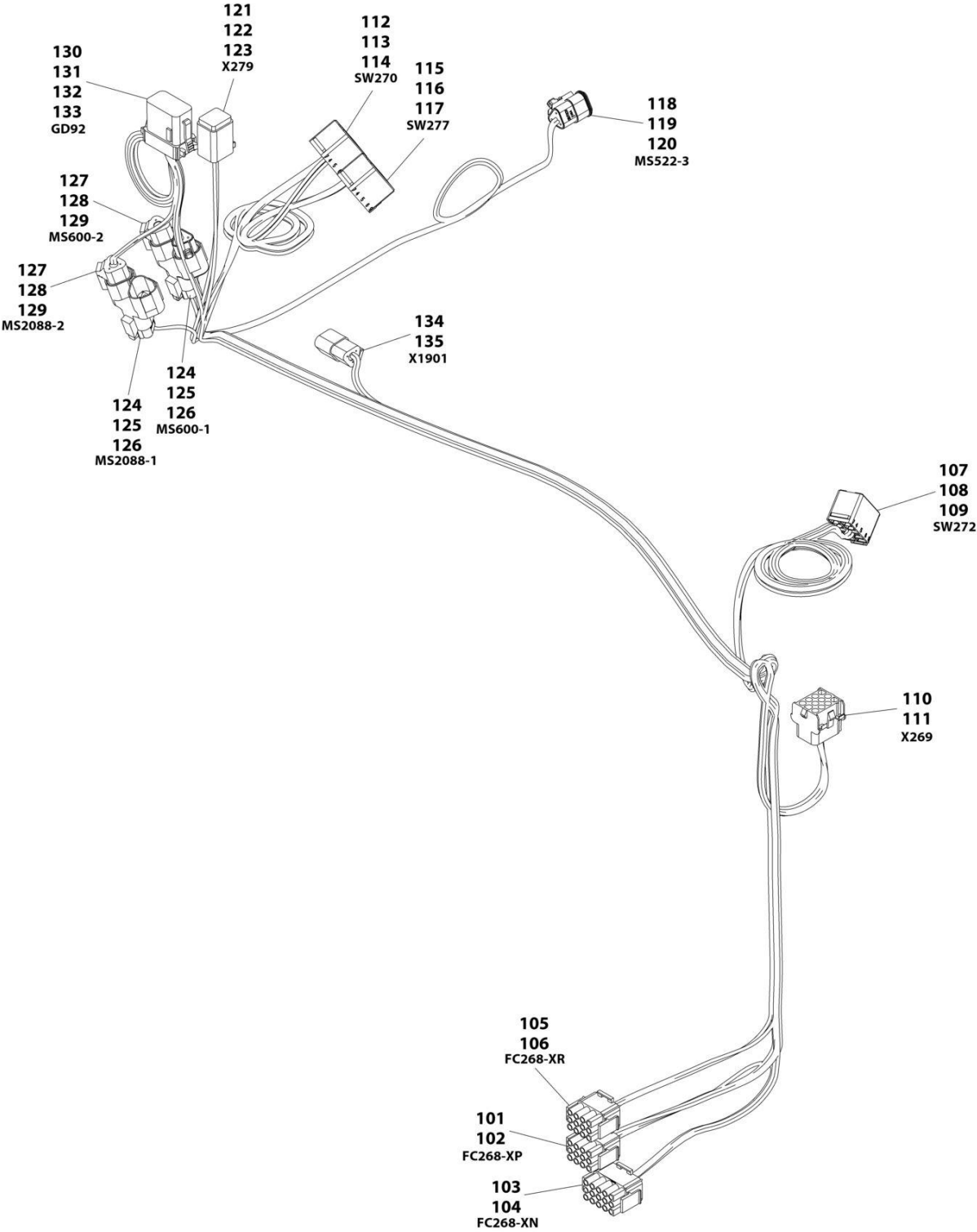
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163371	Ref	CAB OPTION 1 HARNESS	H
1	4460343	1	Connector	
2	4460268	10	Terminal	
3	4460906	1	Terminal	
4	1001117081	1	Connector	
5	1001118384	7	Terminal	
6	1001116999	1	Connector	
7	1001116700	4	Terminal	
8	1001116991	1	Connector	
9	1001118384	2	Terminal	
10	4460343	1	Connector	
11	4460267	6	Terminal	
12	4460225	1	Connector	
13	4460267	5	Terminal	
14	4460705	1	Terminal	
15	1001173411	1	Connector	
16	1001265008	2	Terminal	
17	1001104519	3	Terminal	
18	1001116716	2	Terminal	
19	1001117081	1	Connector	
20	1001118384	6	Terminal	
21	4460708	1	Connector	
22	4460267	14	Terminal	
23	4460836	1	Connector	
24	4460942	3	Terminal	
25	4460465	8	Terminal	
26	1001157890	1	Terminal	
27	1001117081	1	Connector	
28	1001118384	8	Terminal	
29	1001116723	2	Terminal	
30	1001117081	1	Connector	
31	1001118384	7	Terminal	
32	1001117081	1	Connector	
33	1001118384	10	Terminal	
34	1001274300	1	Connector	
35	1001118384	8	Terminal	
36	1001117081	1	Connector	
37	1001118384	4	Terminal	
38	1001117081	1	Connector	
39	1001118384	6	Terminal	
40	1001117081	1	Connector	
41	1001118384	6	Terminal	
42	8220051	1	Female Blade Coupler	
43	8220051	1	Female Blade Coupler	
44	8220051	1	Female Blade Coupler	
45	8220051	1	Female Blade Coupler	
46	8220051	1	Female Blade Coupler	
47	8220051	1	Female Blade Coupler	
48	8220051	1	Female Blade Coupler	
49	1001116997	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001118384	4	Terminal	
51	1001116723	1	Terminal	
52	4460994	1	Connector	
53	1001118384	2	Terminal	
54	4460994	1	Connector	
55	1001118384	3	Terminal	
56	4460884	1	Connector	
57	4460942	4	Terminal	
58	4460932	1	Connector	
59	4460941	4	Terminal	
60	4460343	1	Connector	
61	4460268	12	Terminal	
62	4460367	1	Connector	
63	4460267	12	Terminal	
64	1001116986	1	Connector	
65	1001118384	4	Terminal	
66	1001116986	1	Connector	
67	1001118384	4	Terminal	
68	4461115	1	Connector	
69	1001116747	2	Terminal	
70	4461115	1	Connector	
71	1001116747	2	Terminal	
72	4461115	1	Connector	
73	1001116747	2	Terminal	
74	4461115	1	Connector	
75	1001116747	2	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-31. CAB OPTION 2 HARNESS



ART_1001283420_A

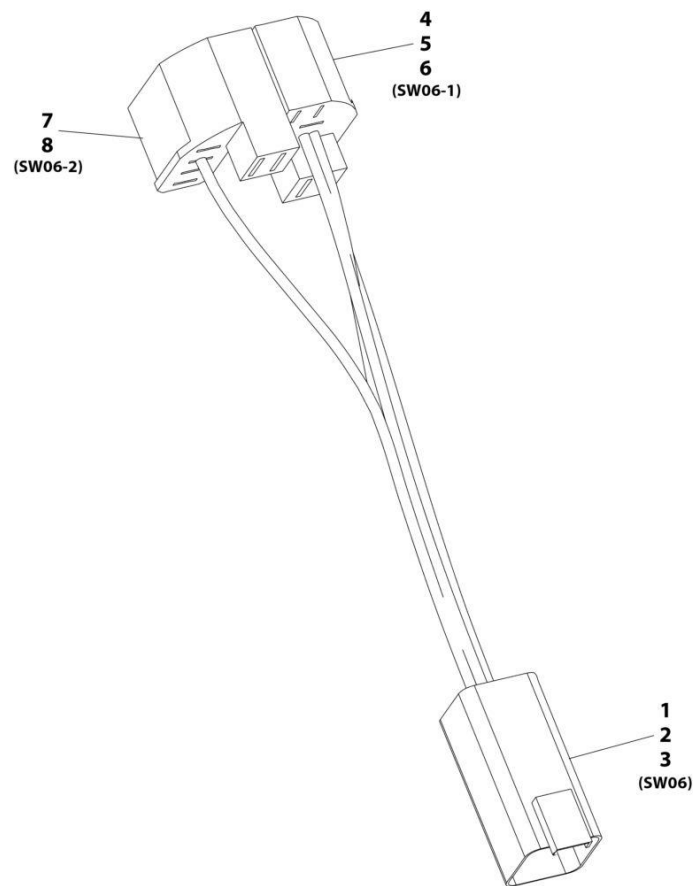
SECTION 10 - ELECTRICAL

FIGURE 10-31. CAB OPTION 2 HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283420	Ref	CAB OPTION 2 HARNESS	A
101	4460343	1	Connector	
102	4460268	6	Terminal	
103	4460434	1	Connector	
104	4460268	8	Terminal	
105	4460343	1	Connector	
106	4460267	3	Terminal	
107	1001117081	1	Connector	
108	1001118384	1	Terminal	
109	1001116723	6	Terminal	
110	4460367	1	Connector	
111	4460267	7	Terminal	
112	1001117081	1	Connector	
113	1001118384	2	Terminal	
114	1001116723	4	Terminal	
115	1001117081	1	Connector	
116	1001118384	3	Terminal	
117	1001116723	2	Terminal	
118	1001116812	1	Connector	
119	4460944	2	Terminal	
120	4460466	1	Plug	
121	4460930	1	Connector	
122	4460466	6	Plug	
123	4460465	2	Terminal	
124	1001116812	2	Connector	
125	4460944	4	Terminal	
126	4460466	2	Plug	
127	4460539	2	Connector	
128	4460944	4	Terminal	
129	4460466	2	Plug	
130	1001176333	1	Connector	
131	4460466	11	Plug	
132	4460465	3	Terminal	
133	4460944	4	Terminal	
134	4460539	1	Connector	
135	4460465	3	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-32. CAB - KEY HARNESS



ART_1001241610-A

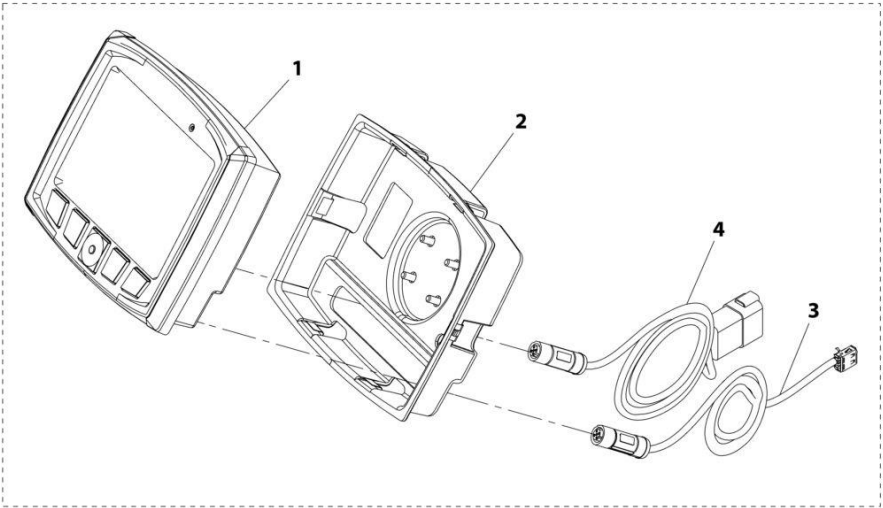
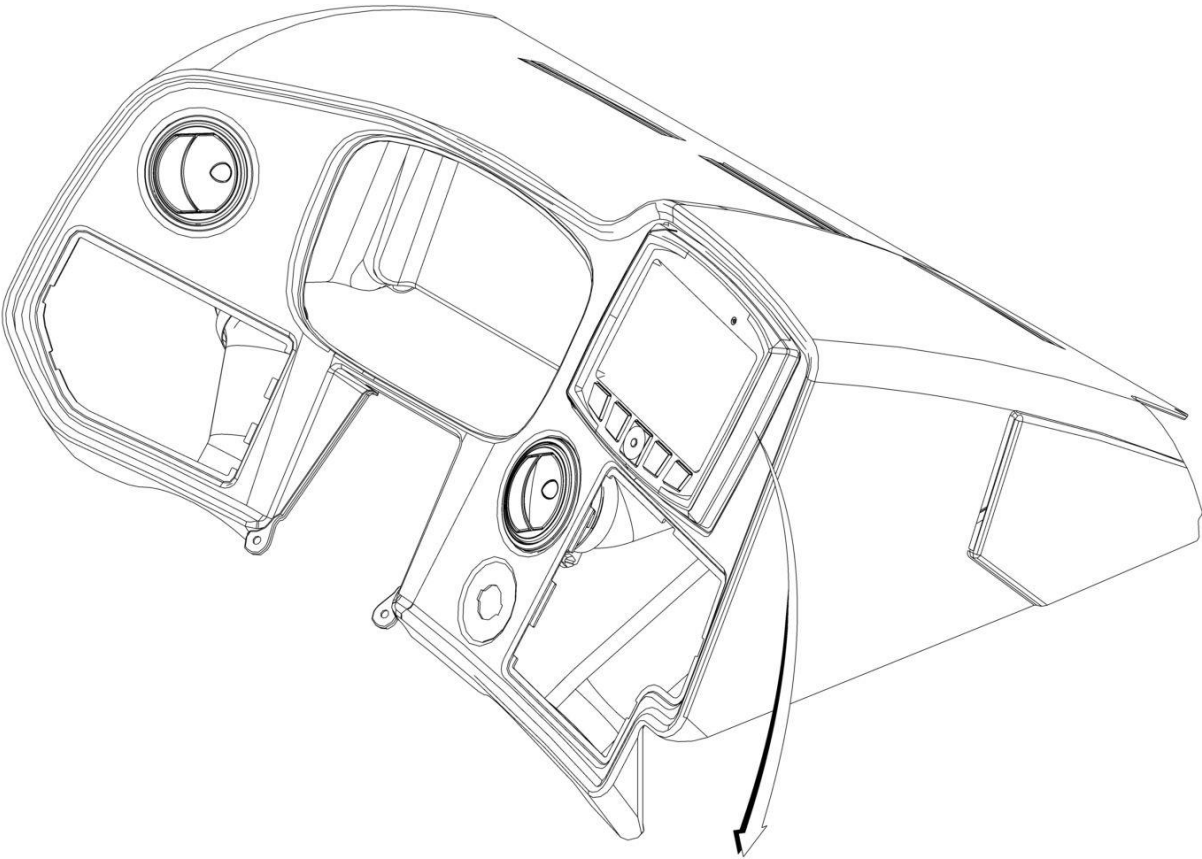
SECTION 10 - ELECTRICAL

FIGURE 10-32. CAB - KEY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241610	Ref	Key Harness	A
1	4460899	1	Connector	
2	4460464	4	Terminal	
3	4460466	2	Plug	
4	1001118685	1	Connector	
5	1001104519	2	Terminal	
6	1001118383	1	Terminal	
7	1001117121	1	Connector	
8	1001104519	1	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-33. CAB MULTIFUNCTION DISPLAY INSTALLATION



ART_1001176338-C

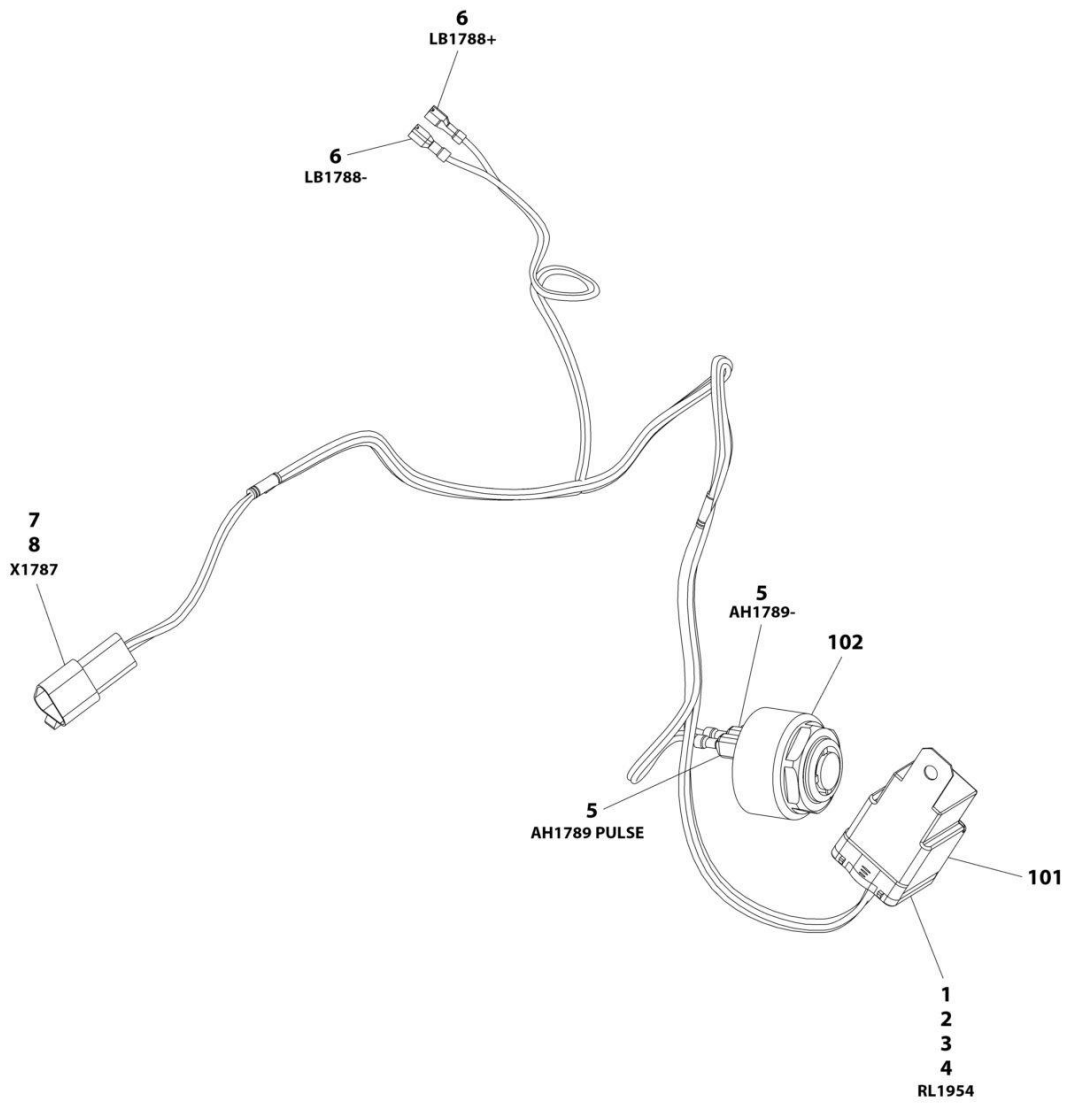
SECTION 10 - ELECTRICAL

FIGURE 10-33. CAB MULTIFUNCTION DISPLAY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176338	Ref	Multifunction Display Installation	C
1	1001250161	1	Display	
2	1001178783	1	Bezel	
3	1001180682	1	Cable	
4	1001180683	1	Cable, Video	

SECTION 10 - ELECTRICAL

FIGURE 10-34. CAB SEAT BELT ALARM HARNESS



ART_1001268744

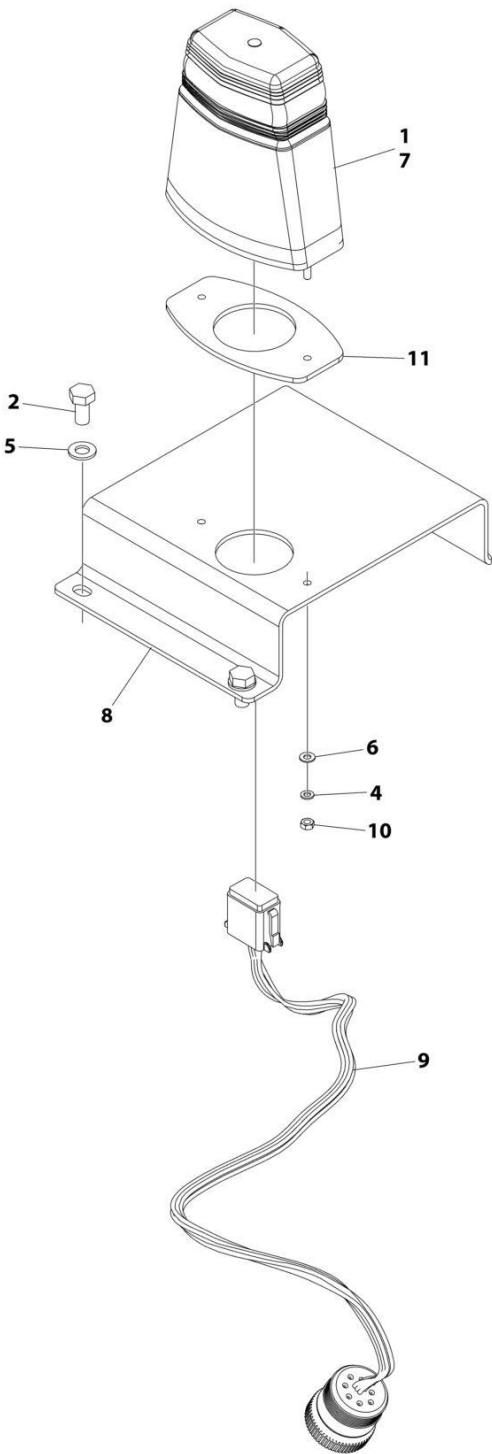
SECTION 10 - ELECTRICAL

FIGURE 10-34. CAB SEAT BELT ALARM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268744	Ref	SEAT BELT ALARAM HARNESS	B
1	1001231398	1	Connector	
2	1001231400	4	Terminal	
3	1001231406	1	Terminal	
4	1001231404	4	Plug	
5	1001194421	2	Terminal	
6	1001201885	2	Terminal	
7	4460536	1	Connector	
8	4460464	3	Terminal	
101	3740080	1	Relay, Weather Proof	
102	1001091751	1	Buzzer Alarm	

SECTION 10 - ELECTRICAL

FIGURE 10-35. CLEARSKY INSTALLATION



ART_1001289792_B

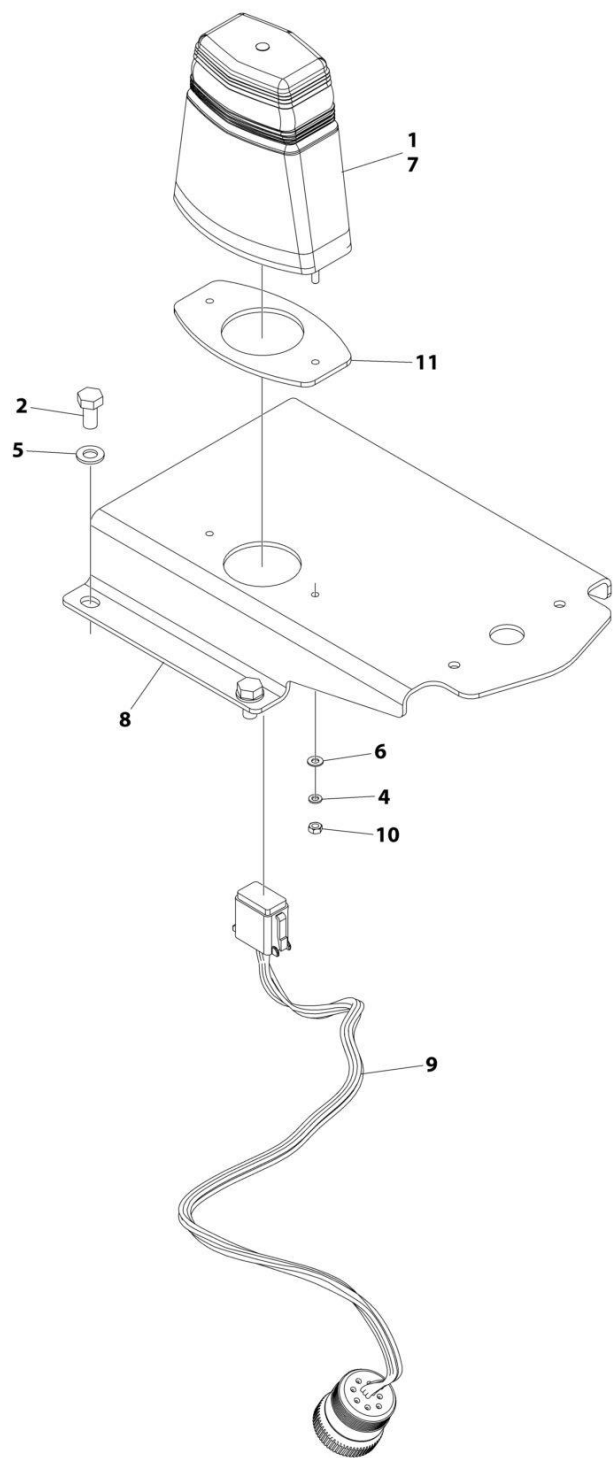
SECTION 10 - ELECTRICAL

FIGURE 10-35. CLEARSKY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289792	Ref	CLEARSKY INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0760808	3	Bolt M8 x 16	
4	4811400	2	Washer M4	
5	4811900	3	Washer M8	
6	4831400	2	Washer, Lock M4	
7	1001280661	1	Module, ClearSky	
8	1001287012	1	Bracket, ClearSky Mounting	
9	1001286941	1	Harness, ClearSky (See Separate Breakdown in this Section)	
10	3290401	2	Nut M4	
11	1001291056	1	Gasket	

SECTION 10 - ELECTRICAL

FIGURE 10-36. CLEARSKY INSTALLATION



ART_1001289812_B

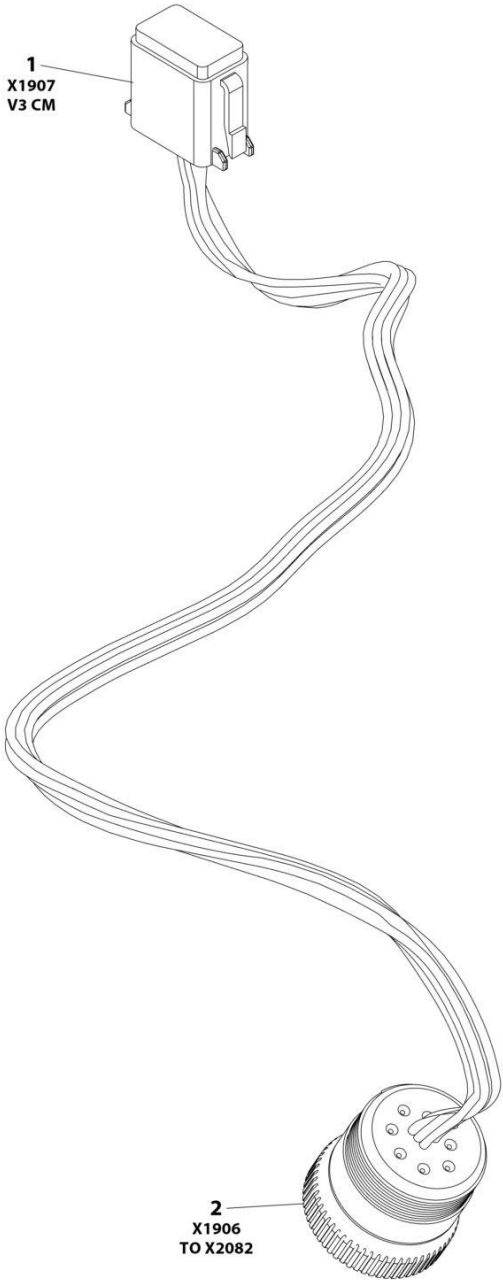
SECTION 10 - ELECTRICAL

FIGURE 10-36. CLEARSKY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289812	Ref	CLEARSKY WITH BEACON INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0760808	3	Bolt M8 x 16	
4	4811400	2	Washer M4	
5	4811900	3	Washer M8	
6	4831400	2	Washer M4	
7	1001280661	1	Module, ClearSky	
8	1001287012	1	Bracket, ClearSky Mounting	
9	1001286941	1	Harness, ClearSky (See Separate Breakdown in this Section)	
10	3290401	2	Nut M4	
11	1001291056	1	Gasket	

SECTION 10 - ELECTRICAL

FIGURE 10-37. CLEARSKY HARNESS



ART_1001286941

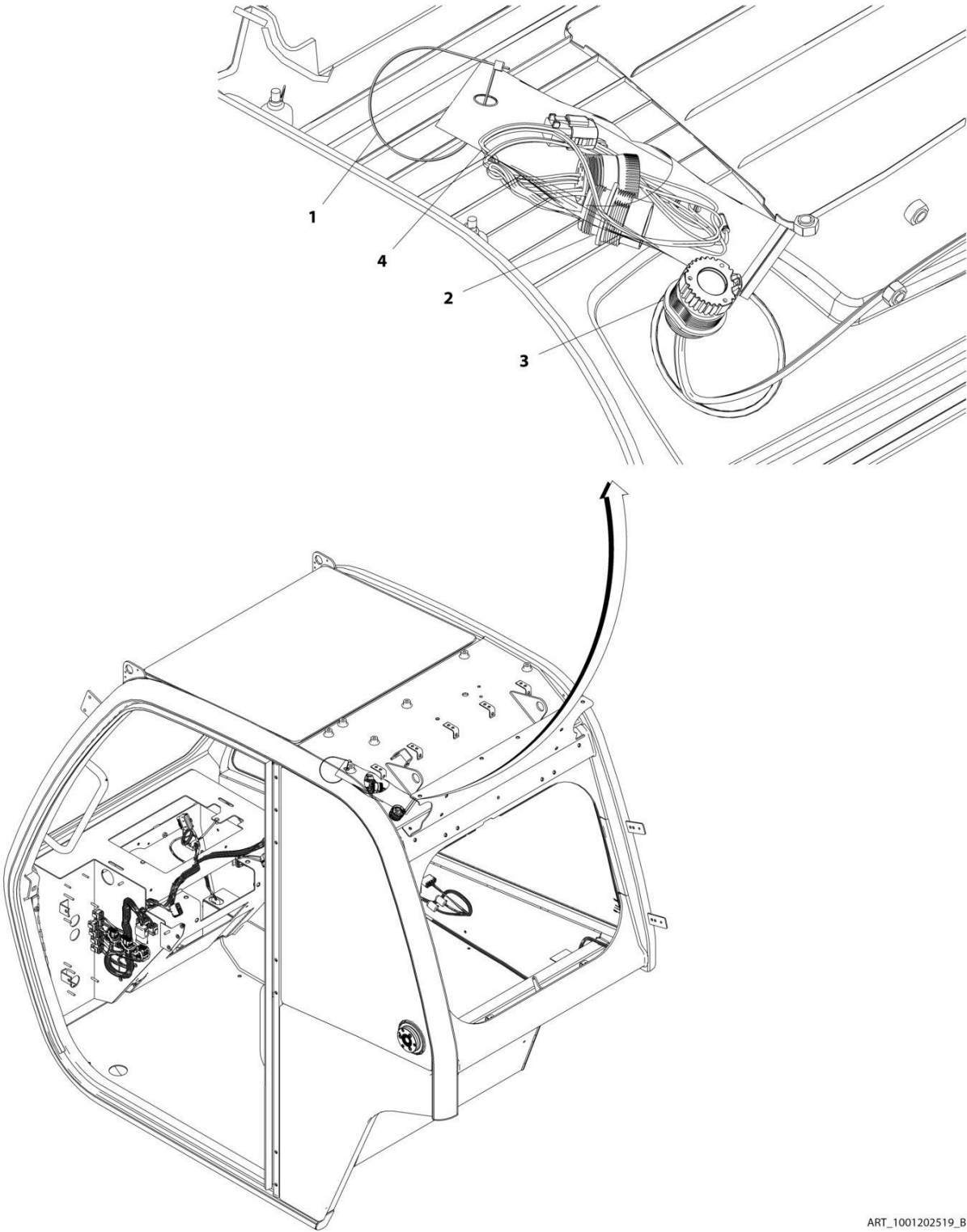
SECTION 10 - ELECTRICAL

FIGURE 10-37. CLEARSKY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286941	Ref	CLEARSKY HARNESS	A
1	4460930	1	Connector	
1	4460465	8	Socket	
2	1001112796	1	Connector	
2	4460465	8	Socket	
2	4460466	1	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-38. CLEARSKY TELEMATICS READY INSTALLATION



ART_1001202519_B

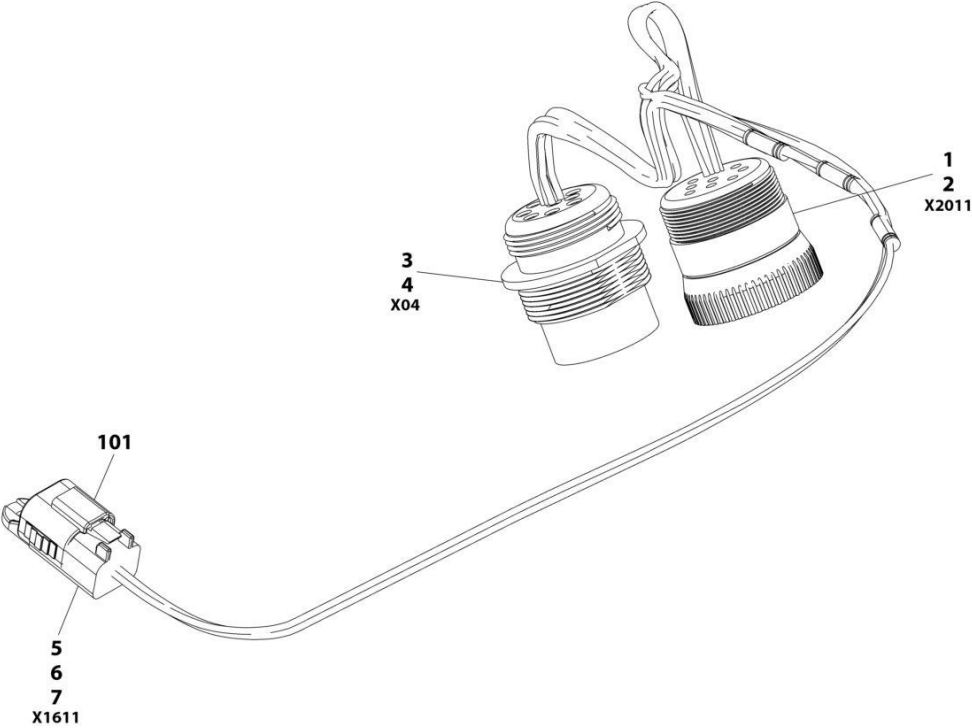
SECTION 10 - ELECTRICAL

FIGURE 10-38. CLEARSKY TELEMATICS READY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202519	Ref	TELEMATICS READY INSTALLATION	B
1	8584003	1	Strap, Tie	
2	1001291182	1	Harness, Telematics Ready (See Separate Breakdown in ELECTRICAL Section)	
3	1001201162	1	Cap	
4	1001202617	1	Bag	

SECTION 10 - ELECTRICAL

FIGURE 10-39. CLEARSKY TELEMATICS READY HARNESS



ART_1001291182

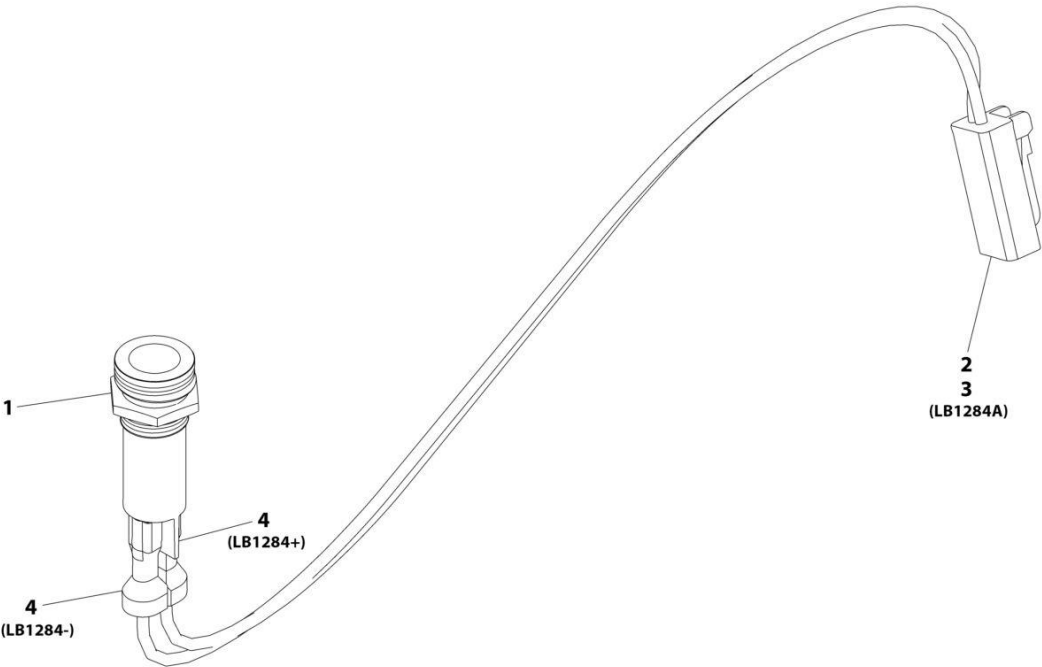
SECTION 10 - ELECTRICAL

FIGURE 10-39. CLEARSKY TELEMATICS READY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001291182	Ref	TELEMATICS READY HARNESS	A
1	1001112796	1	Connector	
2	4460465	9	Terminal	
3	1001112612	1	Connector	
4	4460464	9	Terminal	
5	4460884	1	Connector	
6	4460465	3	Terminal	
7	4460466	1	Plug	
101	1001192401	1	Dust Cap	

SECTION 10 - ELECTRICAL

FIGURE 10-40. DEF PURGE LIGHT HARNESS (ULS)



ART_1001232288-A

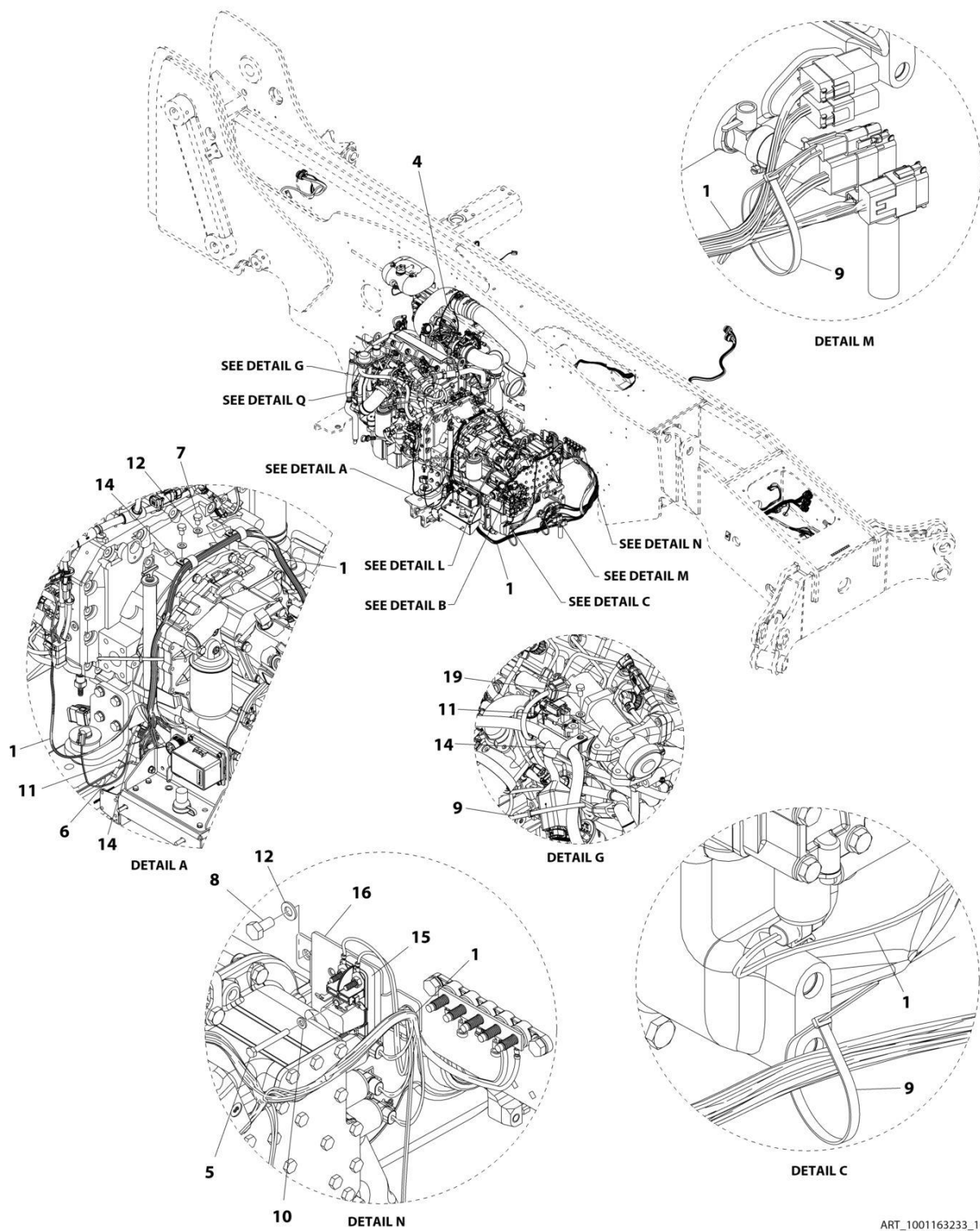
SECTION 10 - ELECTRICAL

FIGURE 10-40. DEF PURGE LIGHT HARNESS (ULS)

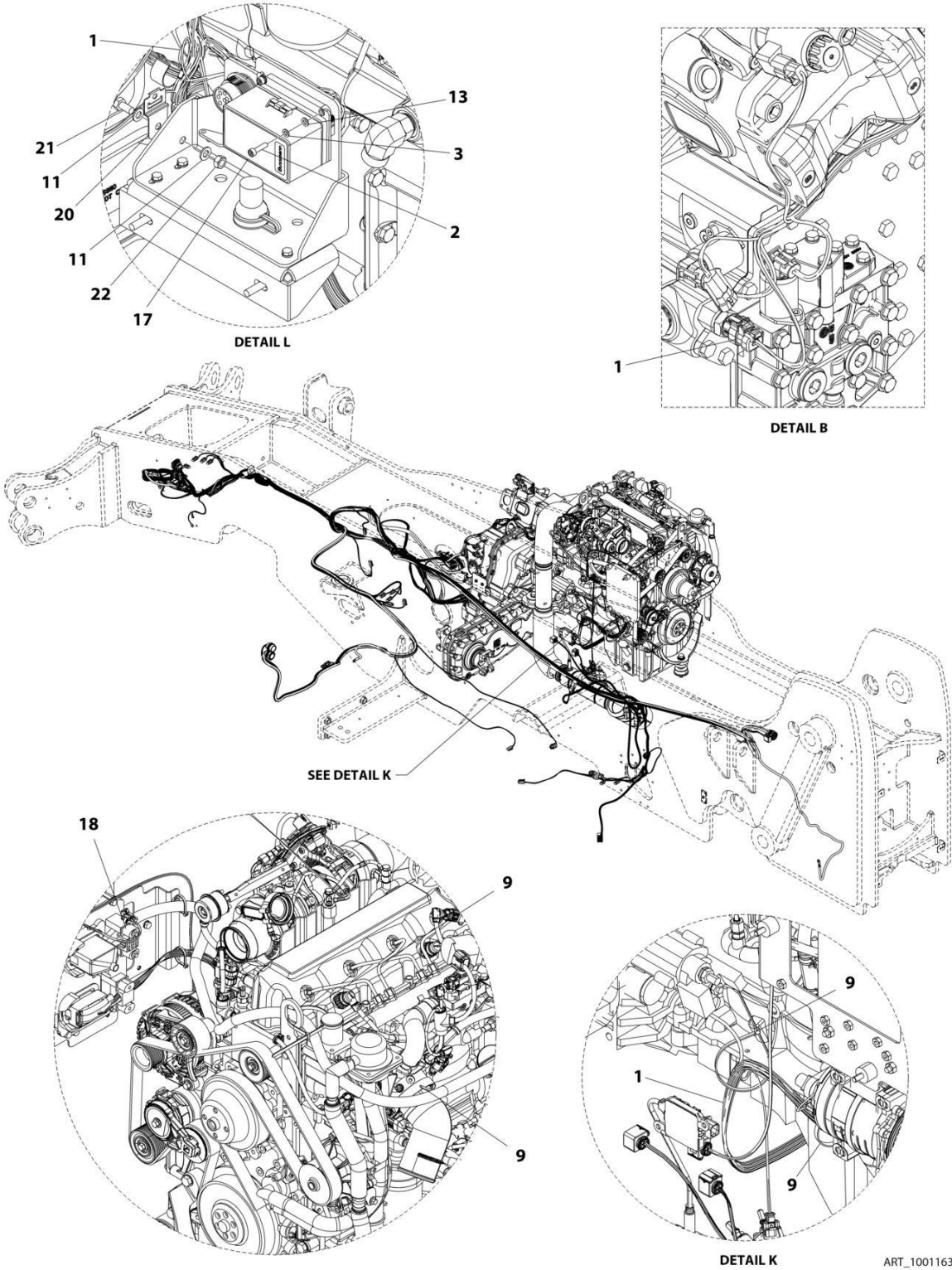
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232288	Ref	DEF Purge Light Harness	A
1	1001169825	1	LED Lamp 12V	
2	4461290	1	Connector	
3	1001126008	2	Terminal	
4	8220108	2	Connector	

SECTION 10 - ELECTRICAL

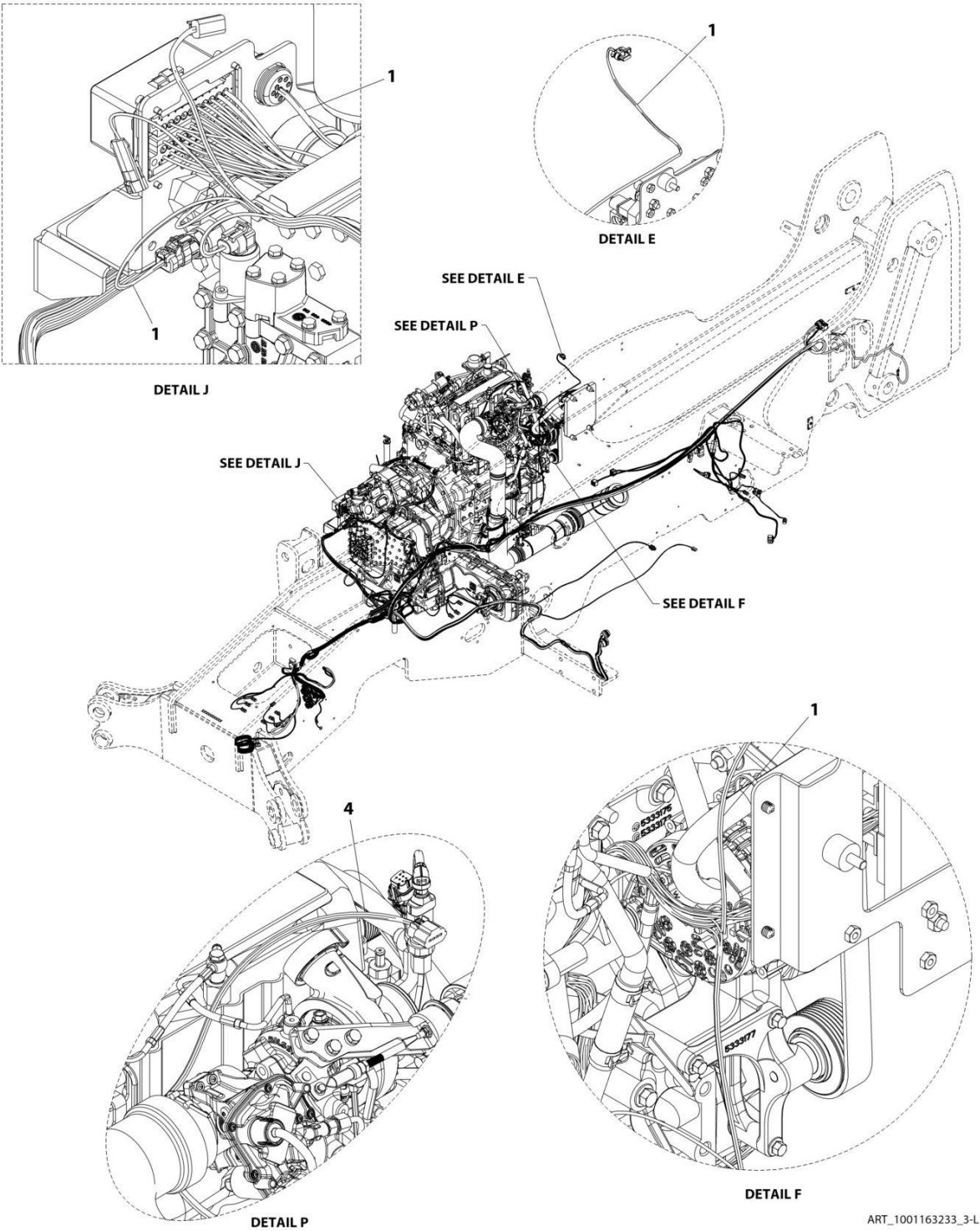
FIGURE 10-41. ENGINE - WIRING INSTALLATION (ULS)



ART_1001163233_1-L



SECTION 10 - ELECTRICAL



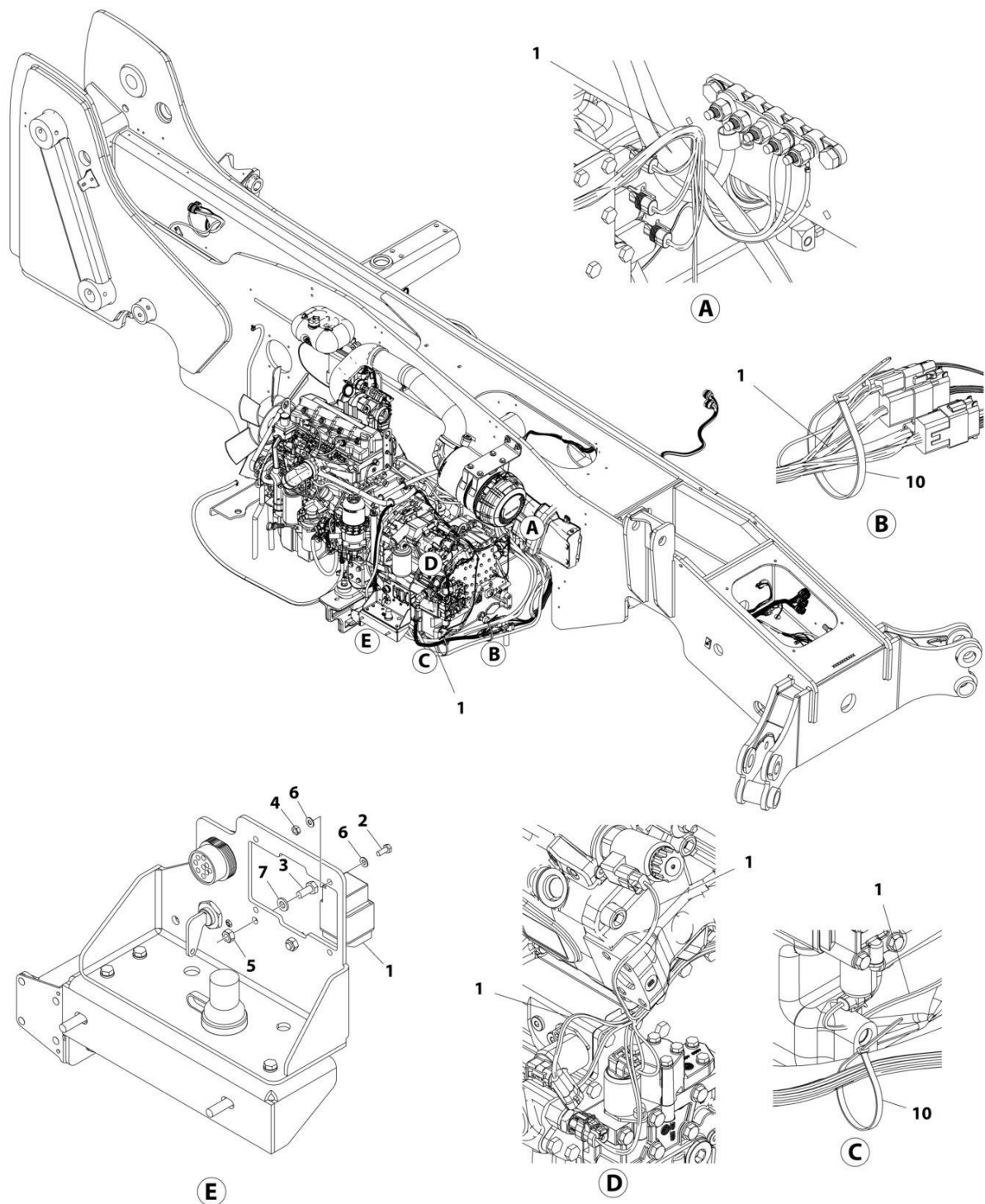
SECTION 10 - ELECTRICAL

FIGURE 10-41. ENGINE - WIRING INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163233	Ref	Engine Wiring Installation (ULS)	M
1	1001235696	1	Harness, Engine (ULS) (See Separate Breakdown in this Section)	
2	4031608	4	Screw, M5X20	
3	4811600	4	Washer, M5	
4	1001184835	1	Harness, TBAP (See Separate Breakdown in this Section)	
5	0700618	1	Bolt, M6X50	
6	0760808	1	Bolt, M8X16	
7	0761007	2	Bolt, M10X14	
8	0761010	2	Bolt, M10X20	
9	1062255	8	Strap, Tie	
10	4811700	1	Washer, M6	
11	4811900	4	Washer, M8	
12	4812000	4	Washer, M10	
13	4831600	4	Washer, Lock M5	
14	8406201	4	Clip, Tube	
15	1001131177	1	Fuse, Power Module	
16	1001189046	1	Bracket	
17	1001191486	1	Decal	
18	1001167646	1	Connector, Strain Relief	
19	0760807	1	Bolt, M8X14	
20	1001153749	1	Clip	
21	0700808	1	Bolt, M8X16	
22	3290801	1	Hex Nut, M8X1.25	

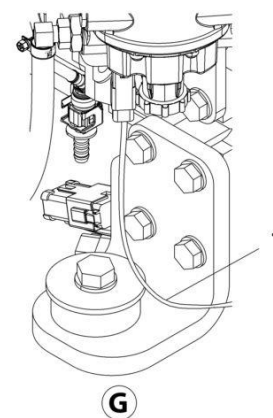
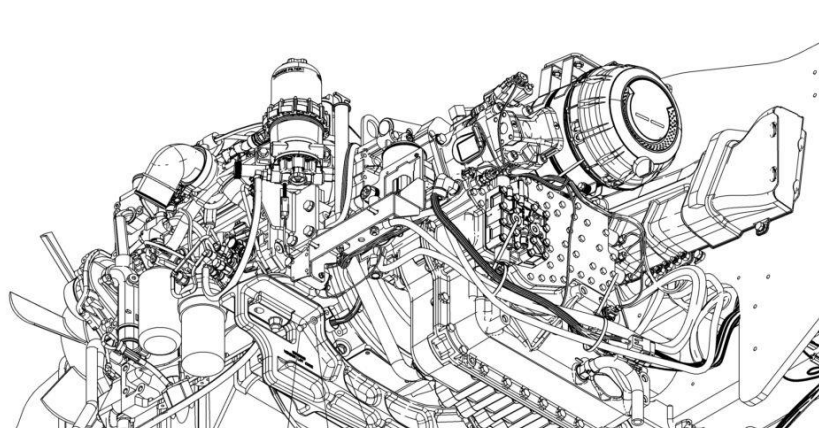
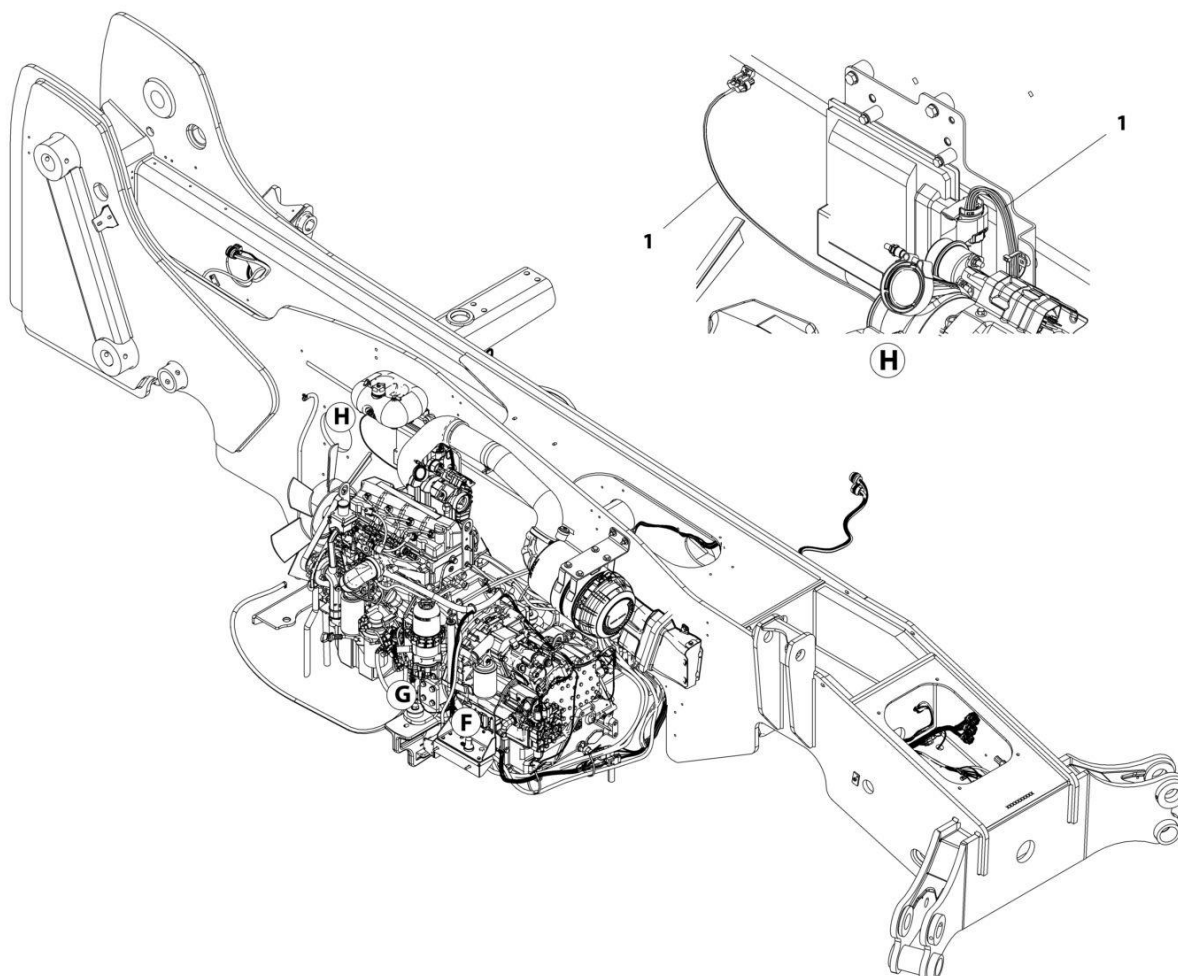
SECTION 10 - ELECTRICAL

FIGURE 10-42. ENGINE - WIRING INSTALLATION (LS)



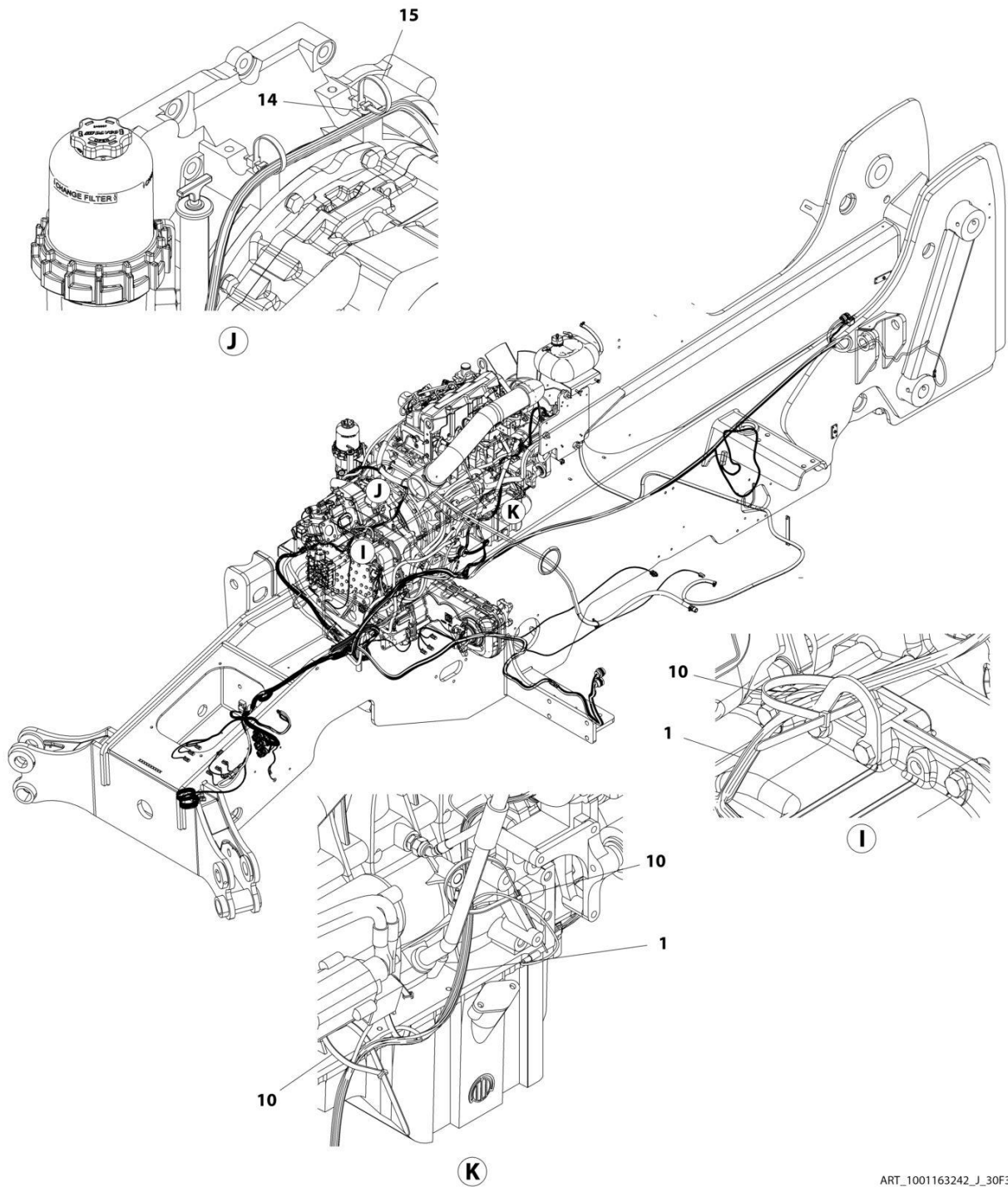
ART_1001163242_J_10F3

SECTION 10 - ELECTRICAL



ART_1001163242_J_20F3

SECTION 10 - ELECTRICAL



ART_1001163242_J_30F3

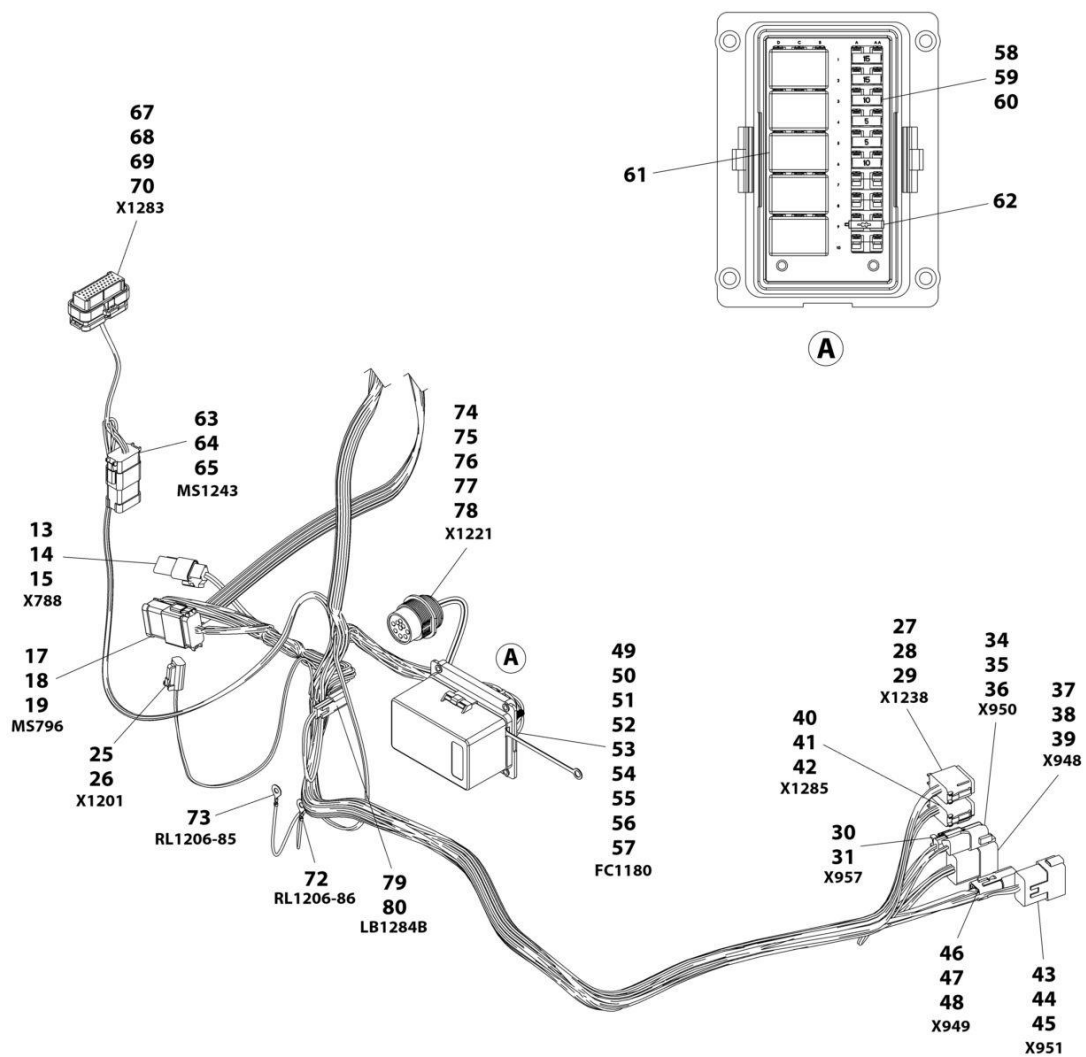
SECTION 10 - ELECTRICAL

FIGURE 10-42. ENGINE - WIRING INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163242	Ref	Engine Wiring Installation (LS)	J
1	1001222715	1	Harness, Engine (LS) (See Separate Breakdown in this Section)	
2	0760405	1	Bolt, M4X10	
3	0760607	2	Bolt, M6X14	
4	3290401	1	Nut, M4X0.7	
5	3290601	2	Nut, M6X1 Grade 8	
6	4811400	2	Washer, M4	
7	4811700	2	Washer, M6	
8	0760808	1	Bolt, M8X16	
10	1062255	5	Strap, Tie	
11	4811900	1	Washer, M8	
13	8406201	1	Clip	
14	1001202986	2	Strap, Tie	
15	1001008559	2	Strap, Tie	

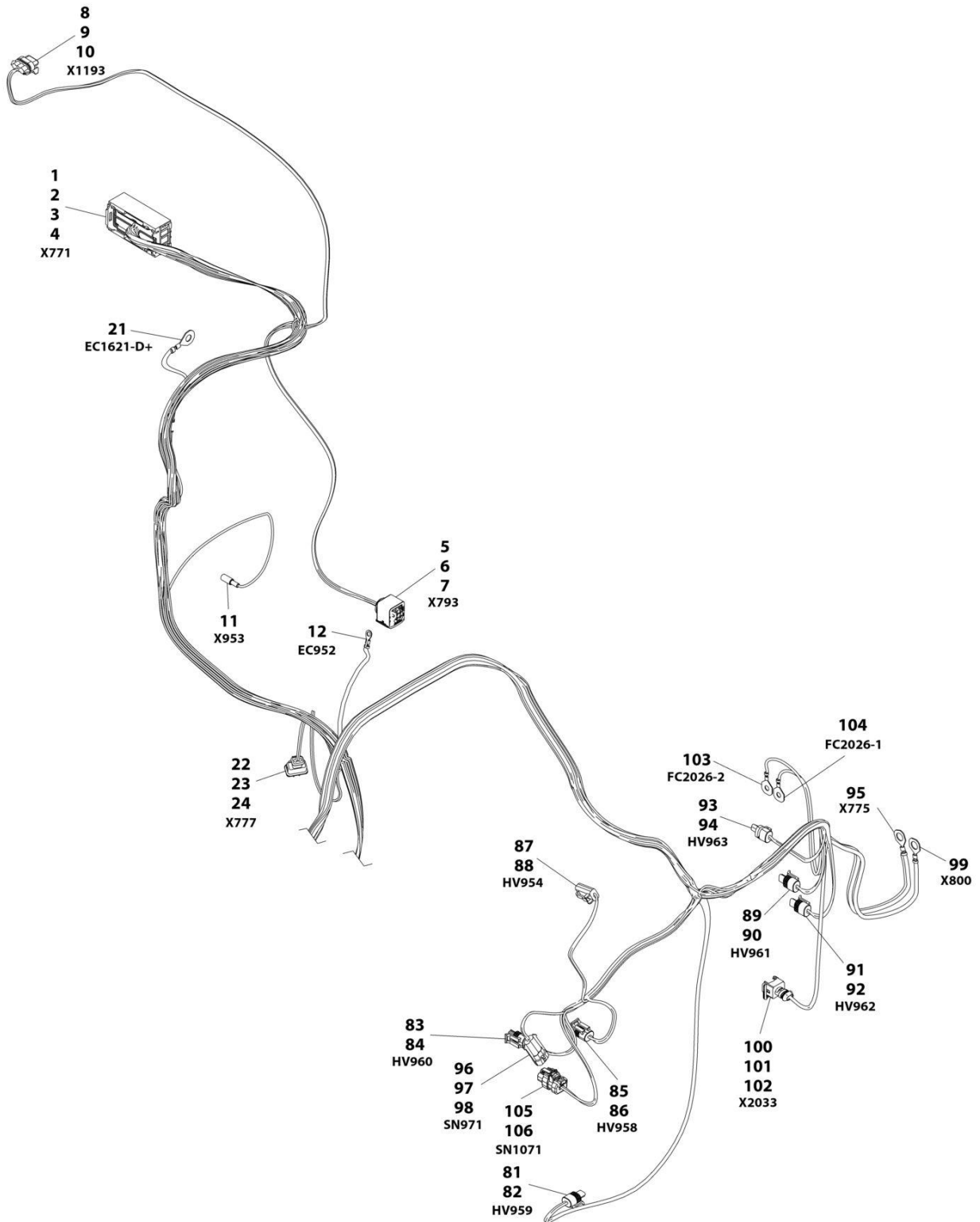
SECTION 10 - ELECTRICAL

FIGURE 10-43. ENGINE HARNESS (ULS)



ART_1001235696_C_1OF2

SECTION 10 - ELECTRICAL



ART_1001235696_C_20F2

SECTION 10 - ELECTRICAL

FIGURE 10-43. ENGINE HARNESS (ULS)

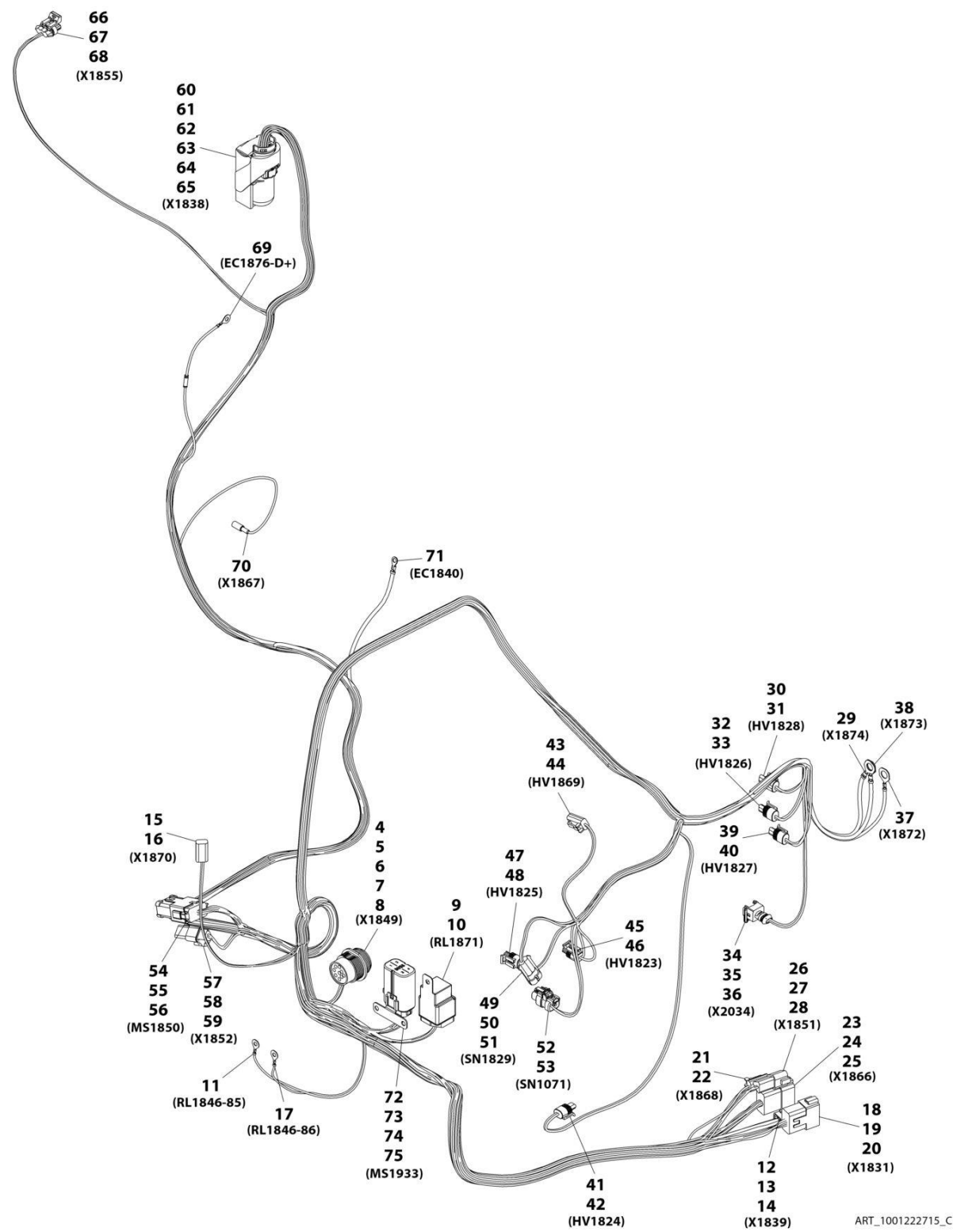
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235696	Ref	Engine Harness (if equipped for ULS)	D
1	1001167641	1	Connector	
2	1001167648	10	Terminal	
3	1001167649	27	Terminal	
4	1001167650	59	Plug	
5	1001176935	1	Connector	
6	1001166704	4	Terminal	
7	4461006	4	Seal	
8	1001125027	1	Connector	
9	8220124	3	Terminal	
10	4460608	3	Seal	
11	1001246391	1	Terminal, Snap Plug	
12	1001197407	1	Ring, Terminal	
13	4461095	1	Connector	
14	4460944	2	Terminal	
15	4460466	1	Plug	
17	4460933	1	Connector	
18	4460465	8	Terminal	
19	4460466	4	Plug	
21	1001187070	1	Ring, Terminal	
22	1001126487	1	Connector	
23	1001167656	2	Terminal	
24	1001167657	2	Seal	
25	4460891	1	Connector	
26	4460465	2	Terminal	
27	4460934	1	Connector	
28	4460465	10	Terminal	
29	4460466	2	Plug	
30	4460891	1	Connector	
31	4460465	2	Terminal	
34	1001144147	1	Connector	
35	4460464	2	Terminal	
36	4460466	1	Plug	
37	4460950	1	Connector	
38	4460464	9	Terminal	
39	4460466	3	Plug	
40	4460935	1	Connector	
41	4460465	11	Terminal	
42	4460466	1	Plug	
43	4460970	1	Connector	
44	4460464	8	Terminal	
45	4460466	4	Plug	
46	1001116811	1	Connector	
47	4460508	3	Terminal	
48	1001150610	1	Terminal	
49	1001167616	1	Connector	
50	1001190921	1	Seal, Foam Fuse Box	
51	8220098	3	Terminal	
52	4460789	9	Seal	
53	8220097	29	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	4460458	23	Seal	
55	4460748	11	Plug	
56	1001116725	2	Terminal	
57	80963067	2	Plug	
58	8229244	2	Fuse, 15amp	
59	80983191	2	Fuse, 10amp	
60	8229242	2	Fuse, 5amp	
61	1001205172	5	Relay, 35amp	
62	1001177597	1	Diode, 6amp	
63	4460930	1	Connector	
64	4460465	6	Terminal	
65	4460466	2	Plug	
67	1001125083	1	Connector	
68	1001195782	7	Plug	
69	1001195781	14	Plug	
70	1001125085	3	Terminal	
72	1001187070	1	Ring, Terminal	
73	1001187070	1	Ring, Terminal	
74	1001112612	1	Connector	
75	4469464	4	Terminal	
76	4460466	5	Plug	
77	4460497	1	Nut	
78	4460496	1	Lockwasher	
79	1001153612	1	Connector	
80	1001126011	1	Terminal	
81	4460955	1	Connector	
82	1001116748	2	Terminal	
83	4460955	1	Connector	
84	1001116748	2	Terminal	
85	4460955	1	Connector	
86	1001116748	2	Terminal	
87	4460891	1	Connector	
88	4460465	2	Terminal	
89	4460955	1	Connector	
90	1001116748	2	Terminal	
91	4460955	1	Connector	
92	1001116748	2	Terminal	
93	4460955	1	Connector	
94	1001116748	2	Terminal	
95	1001187080	1	Ring, Terminal	
96	1001117073	1	Connector	
97	1001116749	2	Terminal	
98	4460608	2	Seal	
99	1001187079	1	Ring, Terminal	
100	1001190322	1	Connector	
101	4461005	2	Terminal	
102	4461054	2	Seal	
103	1001207171	1	Ring, Terminal	
104	1001207171	1	Ring, Terminal	
105	1001116950	1	Connector	
106	4460465	2	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-44. ENGINE HARNESS (LS)



SECTION 10 - ELECTRICAL

FIGURE 10-44. ENGINE HARNESS (LS)

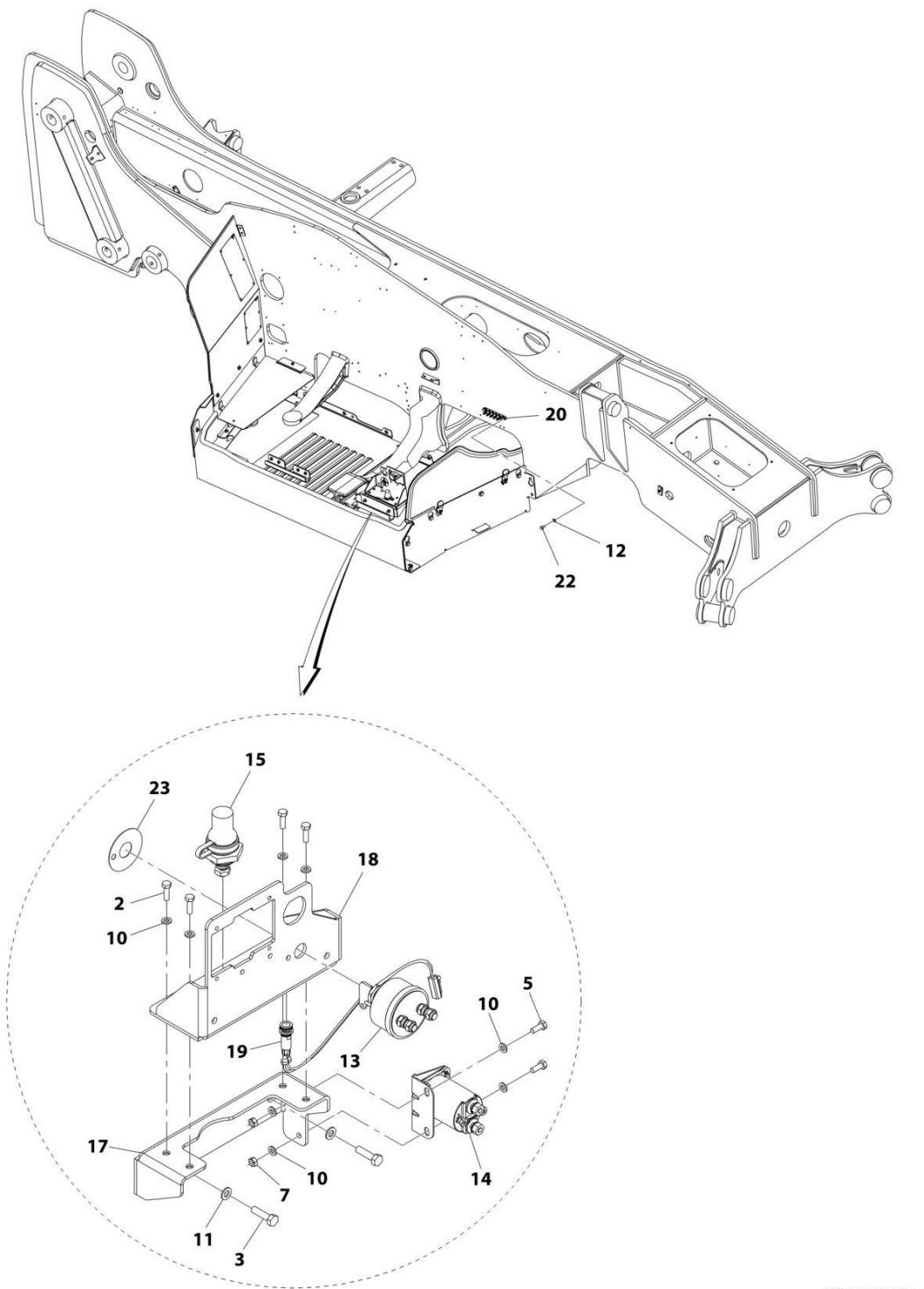
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222715	Ref	Engine Harness (LS)	C
4	1001112612	1	Connector	
5	4460464	4	Terminal	
6	4460466	5	Plug	
7	4460497	1	Nut	
8	4460496	1	Washer	
9	1001145707	1	Connector	
10	1001116732	4	Terminal	
11	1001187070	1	Ring, Terminal	
12	1001116811	1	Connector	
13	4460508	3	Terminal	
14	1001150610	1	Terminal	
15	4460891	1	Connector	
16	4460465	2	Terminal	
17	1001187070	1	Ring, Terminal	
18	4460970	1	Connector	
19	4460464	8	Terminal	
20	4460466	4	Plug	
21	4460891	1	Connector	
22	4460465	2	Terminal	
23	4460950	1	Connector	
24	4460464	9	Terminal	
25	4460466	3	Plug	
26	1001144147	1	Connector	
27	4460464	2	Terminal	
28	4460466	1	Plug	
29	1001187079	1	Ring, Terminal	
30	4460955	1	Connector	
31	1001116748	2	Terminal	
32	4460955	1	Connector	
33	1001116748	2	Terminal	
34	1001190322	1	Connector	
35	4461005	2	Terminal	
36	4461006	2	Seal	
37	1001187078	1	Ring, Terminal	
38	1001187079	1	Ring, Terminal	
39	4460955	1	Connector	
40	1001116748	2	Terminal	
41	4460955	1	Connector	
42	1001116748	2	Terminal	
43	4460891	1	Connector	
44	4460465	2	Terminal	
45	4460955	1	Connector	
46	1001116748	2	Terminal	
47	4460955	1	Connector	
48	1001116748	2	Terminal	
49	1001117073	1	Connector	
50	1001116749	2	Terminal	
51	4460608	2	Seal	
52	1001116950	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	4460465	2	Terminal	
54	4460933	1	Connector	
55	4460465	8	Terminal	
56	4460466	4	Plug	
57	4461095	1	Connector	
58	4460943	2	Terminal	
59	4460466	1	Plug	
60	1001126349	1	Connector	
61	1001185824	6	Terminal	
62	1001185823	11	Terminal	
63	1001126353	6	Seal	
64	1001126357	4	Plug	
65	1001126356	73	Plug	
66	1001125027	1	Connector	
67	8220124	3	Terminal	
68	4460608	3	Seal	
69	1001187070	1	Ring, Terminal	
70	1001246391	1	Terminal, Snap Plug	
71	1001197407	1	Ring, Terminal	
72	1001184551	1	Connector	
73	1001234800	1	Terminal	
74	4460746	7	Terminal	
75	4460458	8	Seal	

SECTION 10 - ELECTRICAL

FIGURE 10-45. ENGINE BAY - ELECTRICAL INSTALLATION (ULS)



ART_1001163127-J

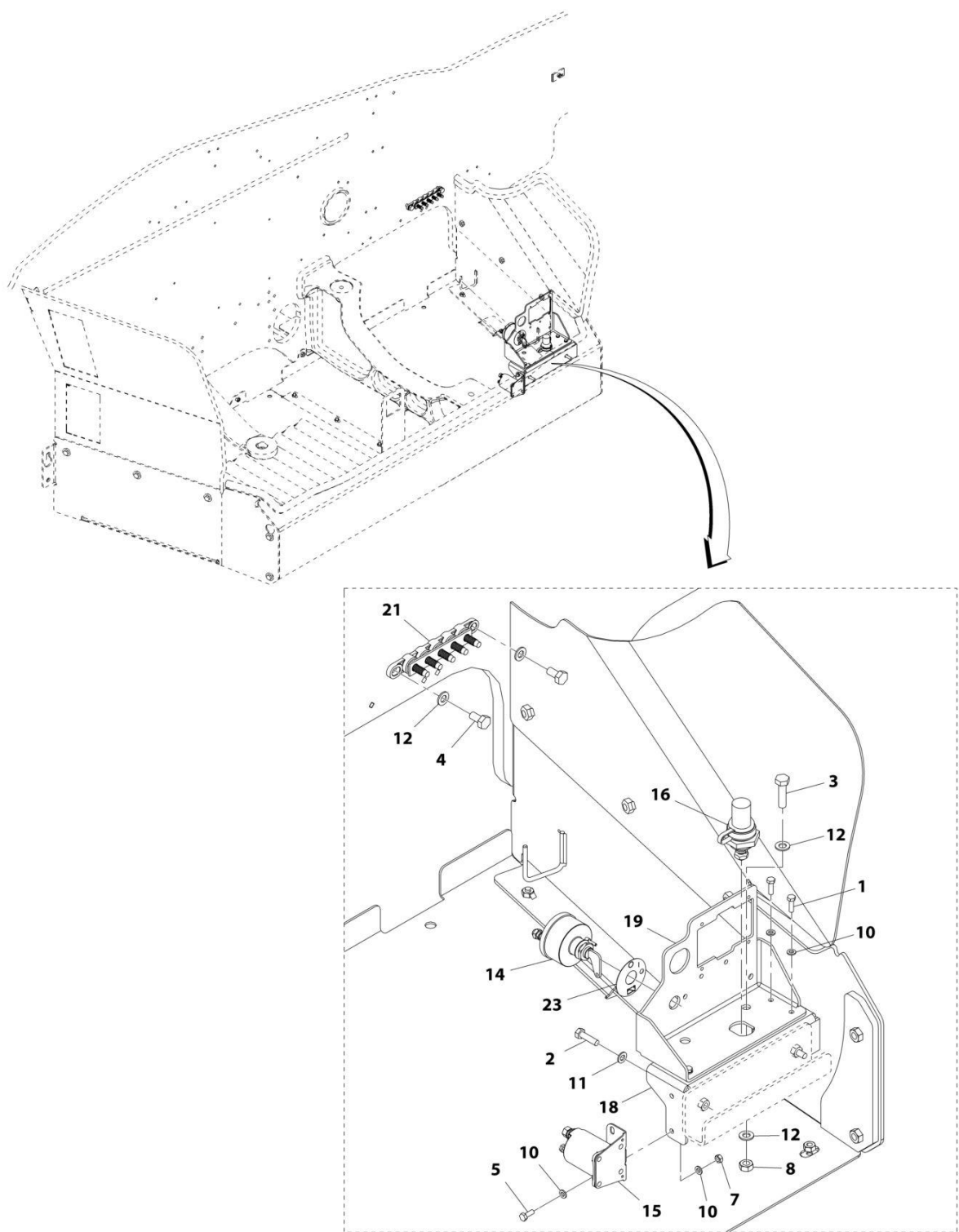
SECTION 10 - ELECTRICAL

FIGURE 10-45. ENGINE BAY - ELECTRICAL INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163127	Ref	Engine Bay Electrical Installation (if equipped for ULS)	J
2	0700610	4	Bolt, M6X20	
3	0700814	2	Bolt, M8X30	
5	0760608	2	Bolt, M6X16	
7	3290601	2	Nut, M6X1 Grade 8	
10	4811700	8	Washer, M6	
11	4811900	2	Washer, M8	
12	4812000	2	Washer, M10	
13	1001192142	1	Switch, Disconnect	
14	1001117308	1	Relay	
15	1001193993	1	Terminal	
17	1001199099	1	Bracket	
18	1001198321	1	Bracket	
19	1001232288	Ref	Harness, DEF Purge Light, (See Separate Breakdown in this Section)	
20	1001181128	1	Bussbar	
22	0761010	2	Bolt, M10X20	
23	1001008540	1	Plate	

SECTION 10 - ELECTRICAL

FIGURE 10-46. ENGINE BAY - ELECTRICAL INSTALLATION (LS)



ART_1001173765-J

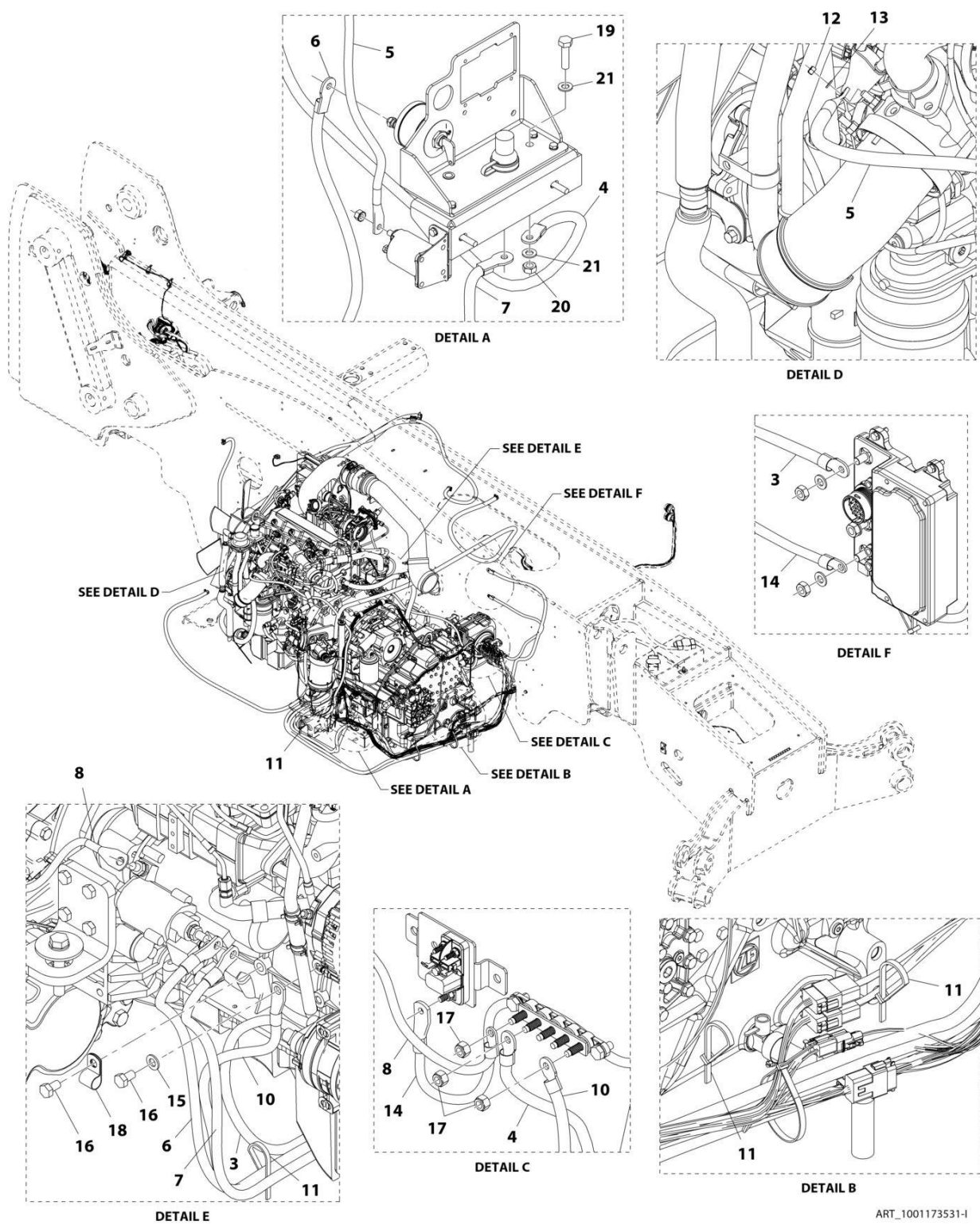
SECTION 10 - ELECTRICAL

FIGURE 10-46. ENGINE BAY - ELECTRICAL INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173765	Ref	Engine Bay Electrical Installation	J
1	0700610	4	Bolt, M6X20	
2	0700814	2	Bolt, M8X30	
3	0701016	1	Bolt, M10X40	
4	0761010	2	Bolt, M10X20	
5	0760608	2	Bolt, M6X16	
7	3290601	2	Nut, M6X1	
8	3291001	1	Nut, M10X1.5	
10	4811700	8	Washer, M6	
11	4811900	2	Washer, M8	
12	4812000	4	Washer, M10	
14	1001192142	1	Switch, Disconnect	
15	1001117308	1	Relay	
16	1001193993	1	Terminal	
18	1001199099	1	Bracket	
19	1001198321	1	Bracket	
21	1001181128	1	Bussbar	
23	1001008540	1	Plate	

SECTION 10 - ELECTRICAL

FIGURE 10-47. ENGINE BAY - WIRING INSTALLATION (ULS)



ART_1001173531-I

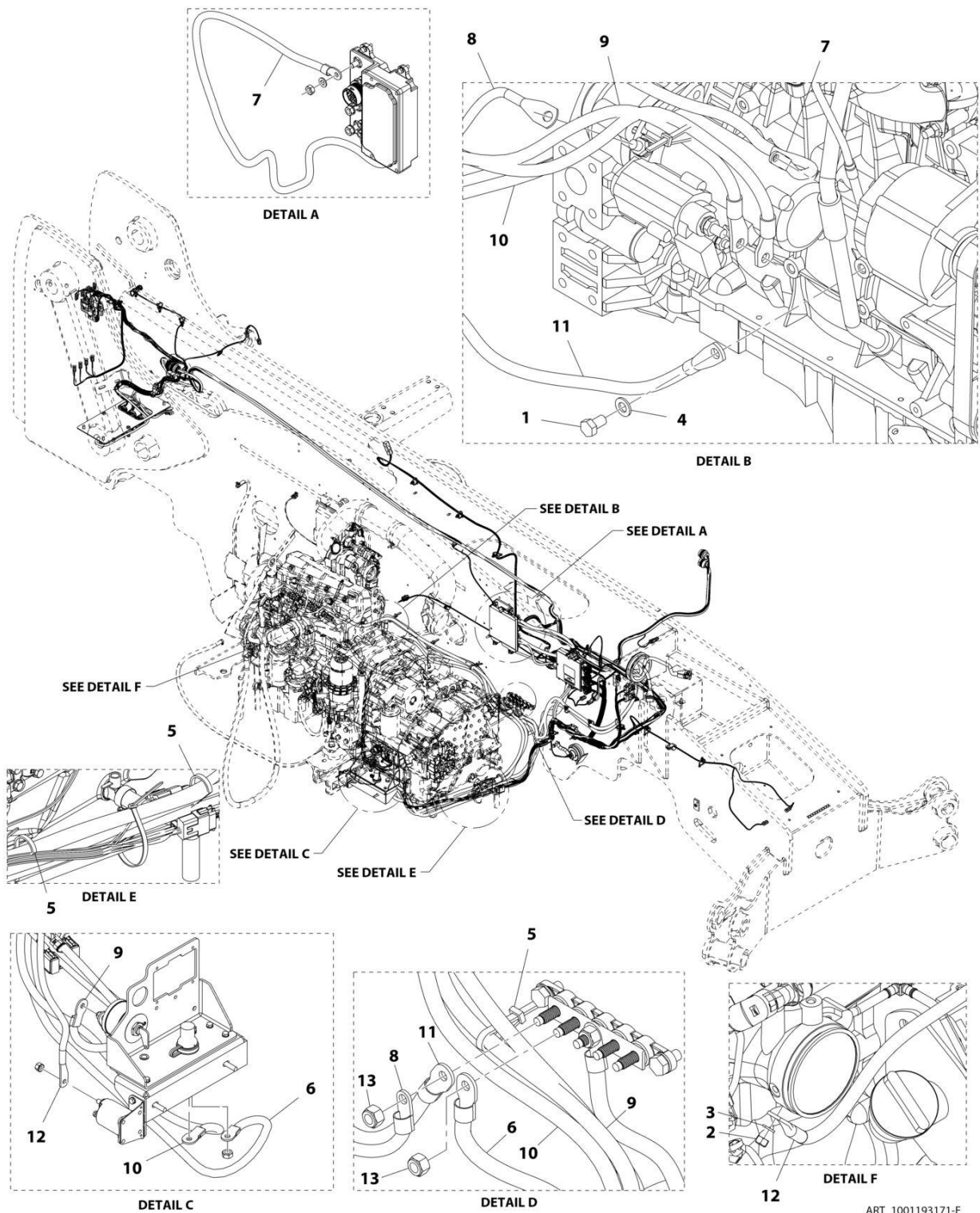
SECTION 10 - ELECTRICAL

FIGURE 10-47. ENGINE BAY - WIRING INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173531	Ref	Engine Bay Wiring Installation (ULS)	I
3	1001170215	1	Cable, PDM to ALT+	
4	1001200102	1	Cable, Ground Buss to Remote Ground	
5	1001170816	1	Cable, Grid Heater	
6	1001170740	1	Cable, Starter to Battery Disconnect	
7	1001170741	1	Cable, Starter to Remote B+	
8	1001170320	1	Cable, Starter Ground	
10	1001170749	1	Cable, Engine Ground	
11	1001008559	5	Strap, Cable	
12	3290605	1	Nut, Lock M6X1	
13	4811700	1	Washer, M6	
14	1001190585	1	Cable, Glow Plug	
15	4812100	1	Washer, M12	
16	0761210	2	Bolt, M12X20	
17	3291005	3	Nut, Lock M10X1.5	
18	8406105	1	Clip, Tube	
19	0701016	1	Bolt, M10X40	
20	3291001	1	Nut, M10X1.5	
21	4812000	2	Washer, M10	

SECTION 10 - ELECTRICAL

FIGURE 10-48. ENGINE BAY - WIRING INSTALLATION (LS)



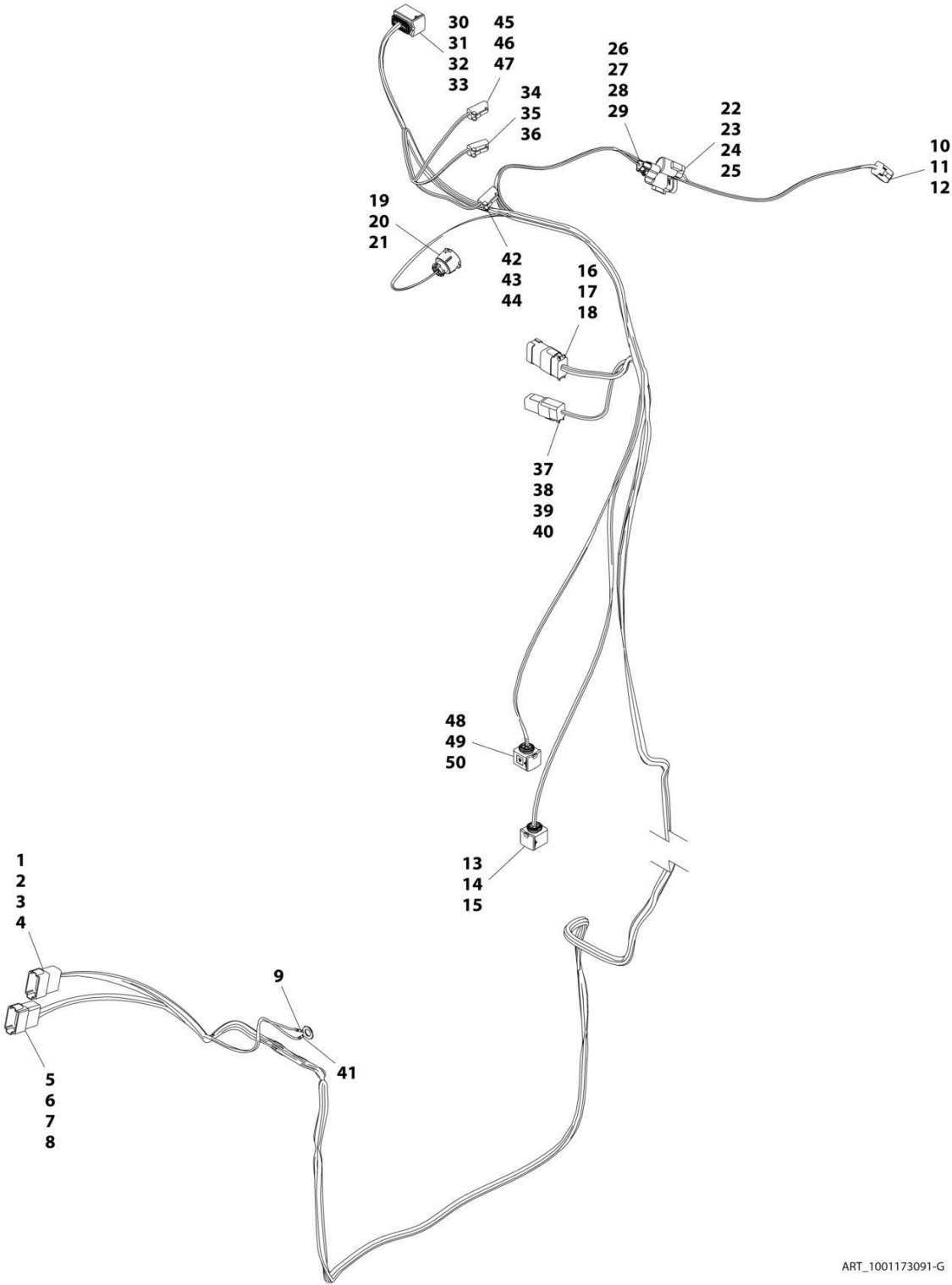
SECTION 10 - ELECTRICAL

FIGURE 10-48. ENGINE BAY - WIRING INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193171	Ref	Engine Bay Wiring Installation (LS)	E
1	0761210	1	Bolt, M12X20	
2	3290605	1	Nut, Lock M6X1	
3	4811700	1	Washer, M6	
4	4812100	1	Washer, M12	
5	1001008559	6	Strap, Cable	
6	1001200102	1	Cable, Ground Buss to Remote Ground	
7	1001205254	1	Cable, PDM to Alt+	
8	1001170320	1	Cable, Starter Ground	
9	1001187623	1	Cable, Starter to Battery Disconnect	
10	1001187624	1	Cable, Starter to Remote B+	
11	1001205255	1	Cable, Engine Ground	
12	1001170816	1	Cable, Grid Heater	
13	3291005	2	Nut, Lock M10X1.5	

SECTION 10 - ELECTRICAL

FIGURE 10-49. ENGINE/CHASSIS HARNESS (ULS)



ART_1001173091-G

SECTION 10 - ELECTRICAL

FIGURE 10-49. ENGINE/CHASSIS HARNESS (ULS)

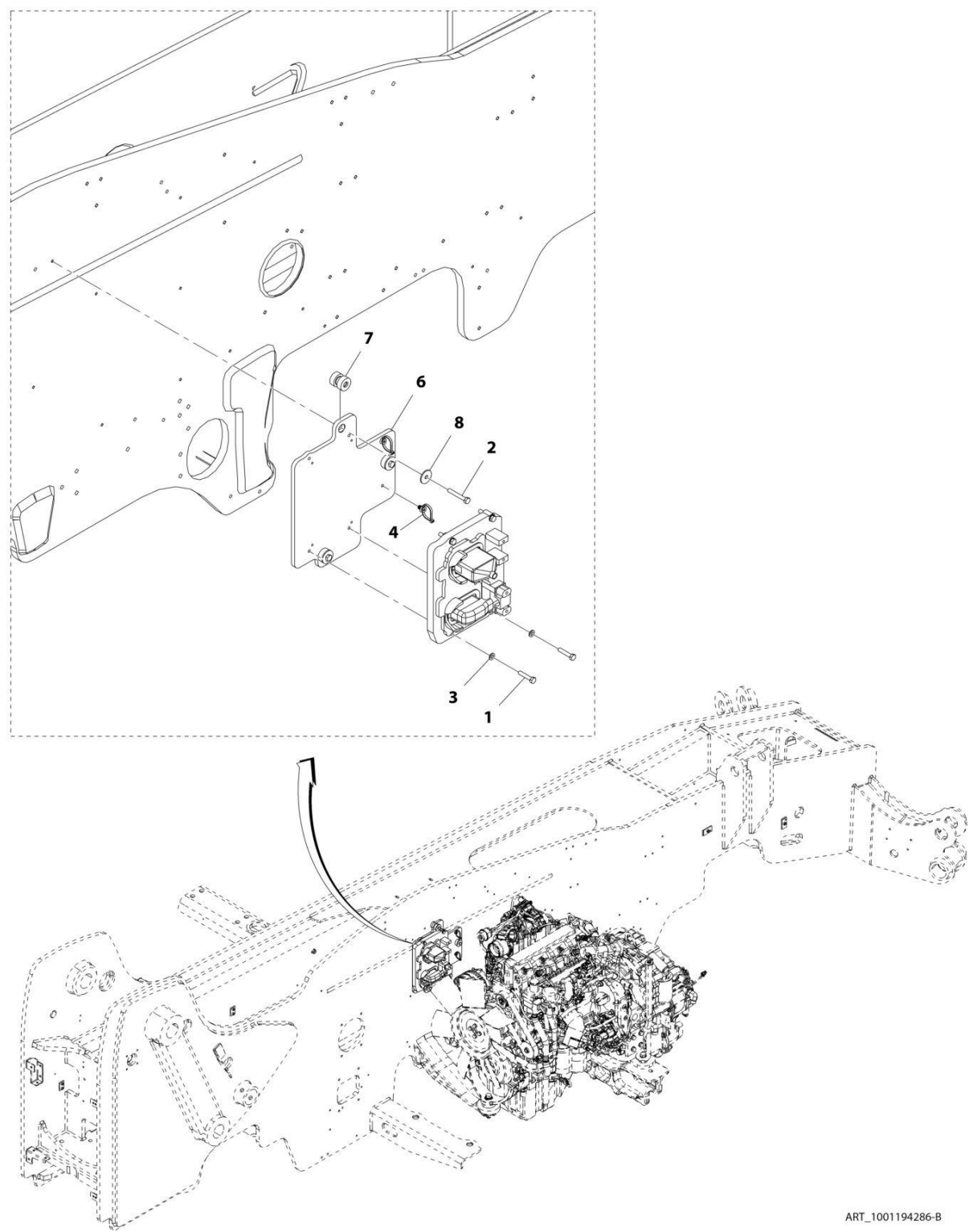
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173091	Ref	Engine Chassis Harness (ULS)	G
1	4460982	1	Connector	
2	80363179	1	Lock, Connector	
3	4460464	11	Terminal	
4	4460466	1	Plug	
5	1001152742	1	Connector	
6	80363179	1	Lock, Connector	
7	4460464	10	Terminal	
8	4460466	2	Plug	
9	1001187077	1	Terminal, Ring	
10	4460884	1	Connector	
11	80604021	1	Lock, Connector	
12	4460465	4	Terminal	
13	1001167528	1	Connector	
14	1001166704	4	Terminal	
15	1001137578	4	Seal, Terminal	
16	4460930	1	Connector	
17	80604025	1	Lock, Connector	
18	4460465	8	Terminal	
19	1001167620	1	Connector	
20	1001176004	2	Terminal	
21	1001167624	2	Plug	
22	4460539	1	Connector	
23	77363244	1	Lock, Connector	
24	4460944	2	Terminal	
25	4460466	1	Plug	
26	1001116812	1	Connector	
27	91554019	1	Lock, Connector	
28	4460944	2	Terminal	
29	4460466	1	Plug	
30	1001165194	1	Connector	
31	1001166703	10	Terminal	
32	1001126393	10	Seal, Terminal	
33	1001126391	2	Plug	
34	4460891	1	Connector	
35	80604018	1	Lock, Connector	
36	4460465	2	Terminal	
37	4460894	1	Connector	
38	91504107	1	Lock, Connector	
39	4460465	4	Terminal	
40	4460466	2	Plug	
41	1001187077	1	Terminal, Ring	
42	4460891	1	Connector	
43	80604018	1	Lock, Connector	
44	4460465	2	Terminal	
45	4460891	1	Connector	
46	80604018	1	Lock, Connector	
47	4460465	2	Terminal	
48	1001176935	1	Connector	
49	1001166704	4	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001137578	4	Seal, Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-50. ENGINE - ECU INSTALLATION (ULS)



ART_1001194286-B

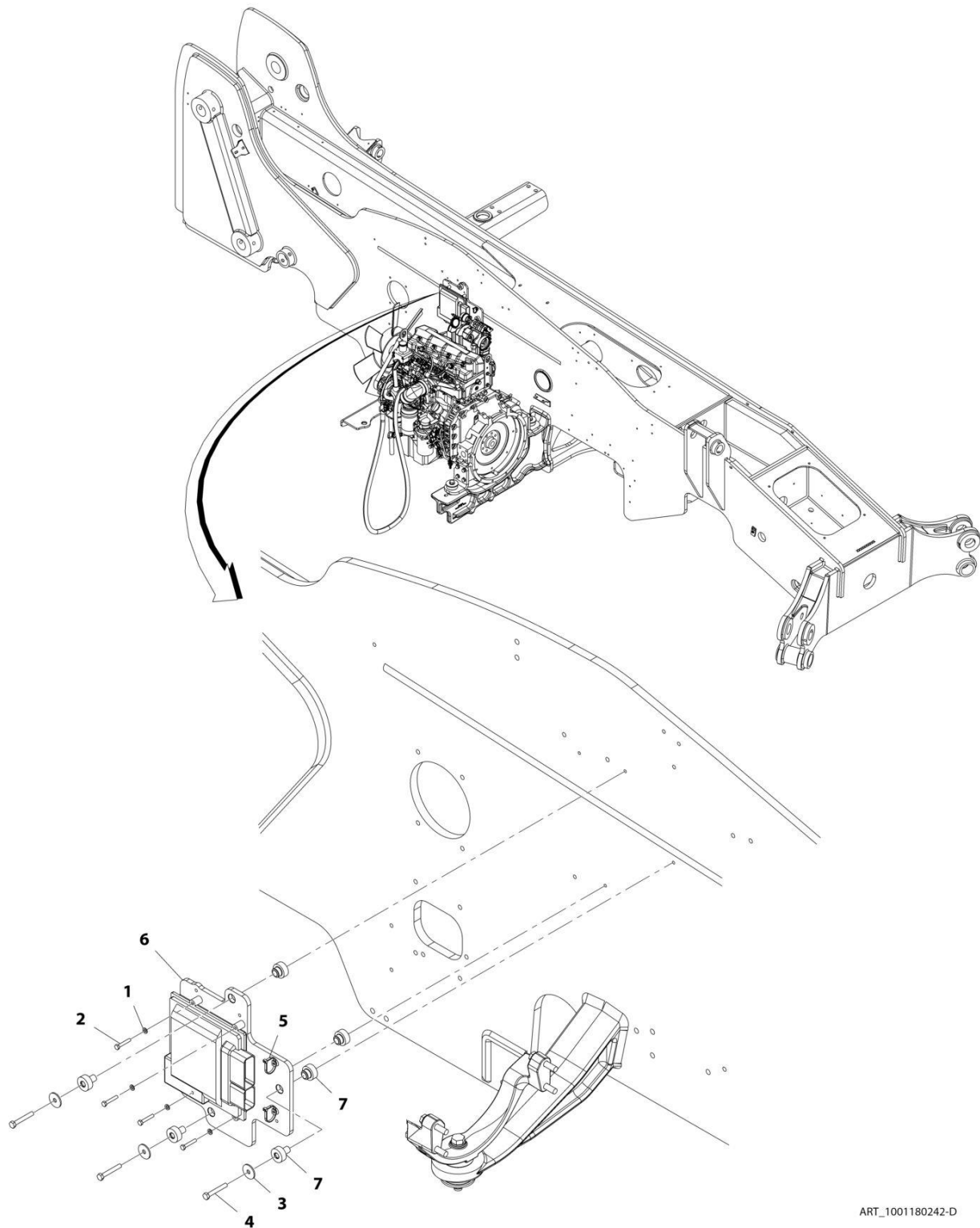
SECTION 10 - ELECTRICAL

FIGURE 10-50. ENGINE - ECU INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194286	Ref	Engine ECU Installation	B
1	0700816	4	Bolt, M8X40	
2	0700819	3	Bolt, M8X55	
3	4811900	4	Washer, M8	
4	1001146588	2	Strap, Tie	
6	1001192468	1	Bracket	
7	1001192471	3	Mount	
8	1001195089	3	Washer	

SECTION 10 - ELECTRICAL

FIGURE 10-51. ENGINE - ECU INSTALLATION (LS)



ART_1001180242-D

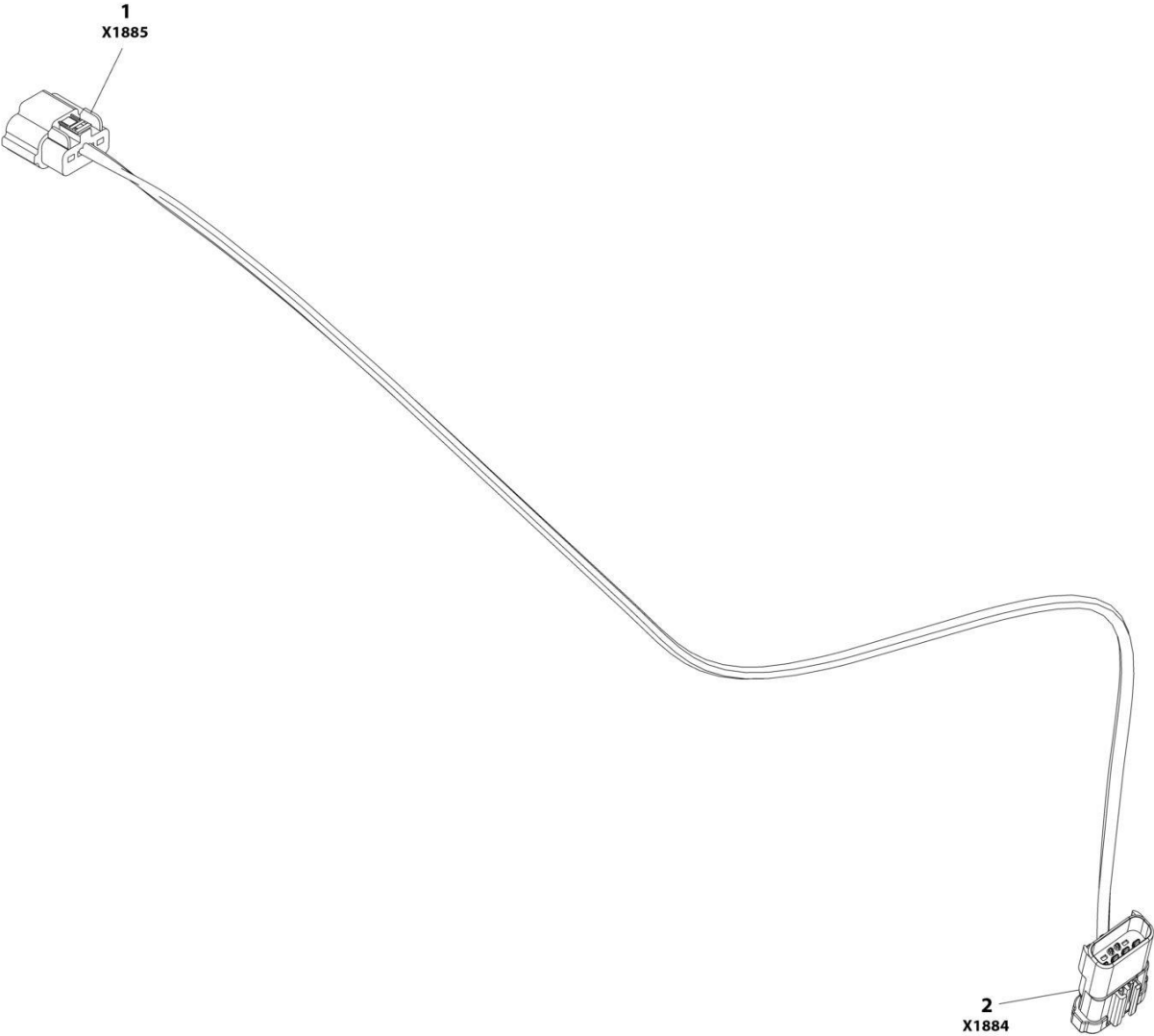
SECTION 10 - ELECTRICAL

FIGURE 10-51. ENGINE - ECU INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180242	Ref	Engine ECM Installation (LS)	D
1	4811700	4	Washer, M6	
2	0760615	4	Bolt, M6X35	
3	1001195089	3	Washer	
4	0700819	3	Bolt, Grade 8	
5	1001146588	2	Strap, Tie	
6	1001192468	1	Bracket	
7	1001192471	3	Mount, Isolator	

SECTION 10 - ELECTRICAL

FIGURE 10-52. ENGINE TBAP HARNESS



ART_1001184835

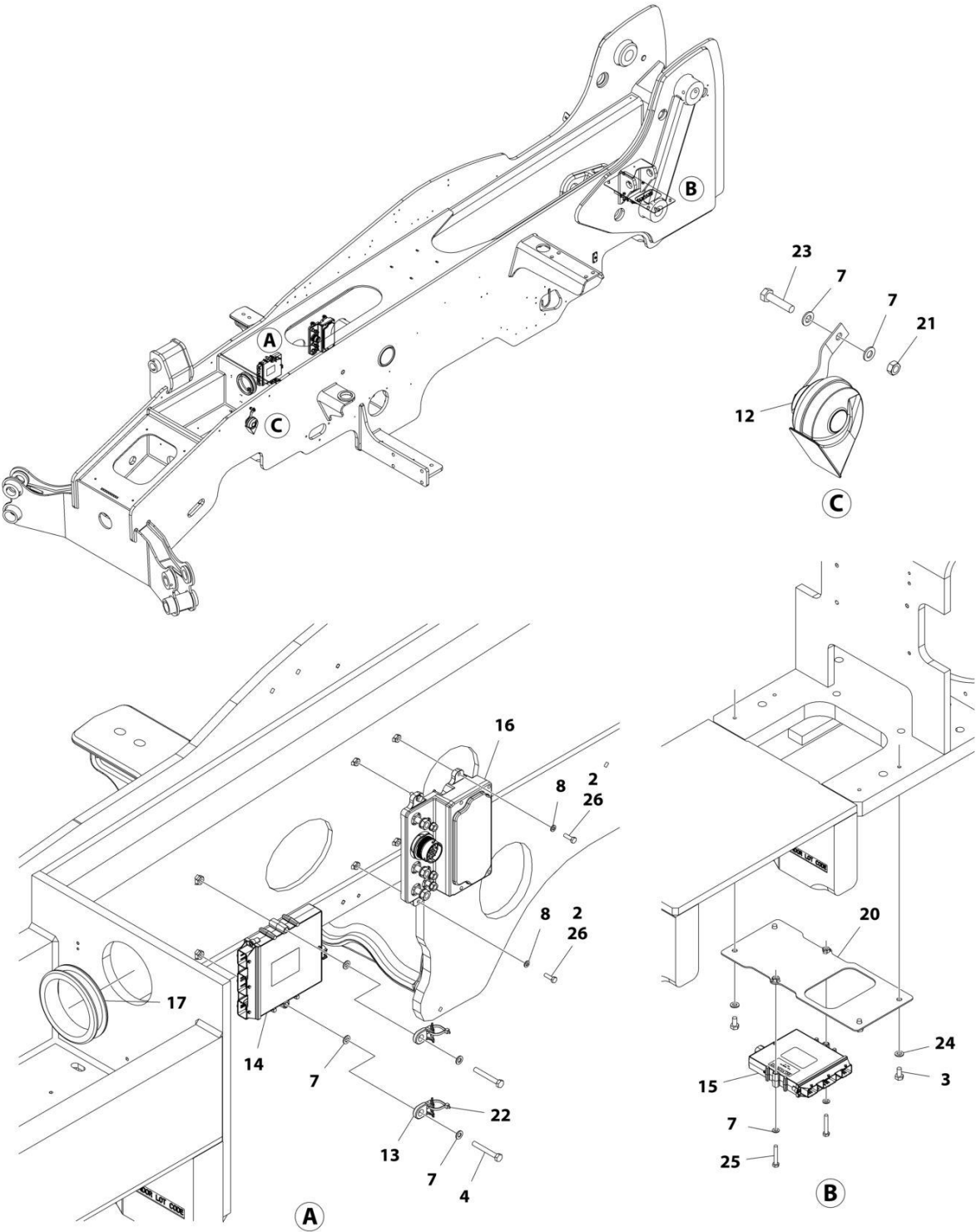
SECTION 10 - ELECTRICAL

FIGURE 10-52. ENGINE TBAP HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001184835	Ref	TBAP Harness	C
	10011184495	1	Connector	
	1001260509	4	Terminal	
	1001184496	4	Seal	
2	1001184491	1	Connector	
	1001184493	4	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-53. FRAME - ELECTRICAL INSTALLATION



ART_1001167051_K

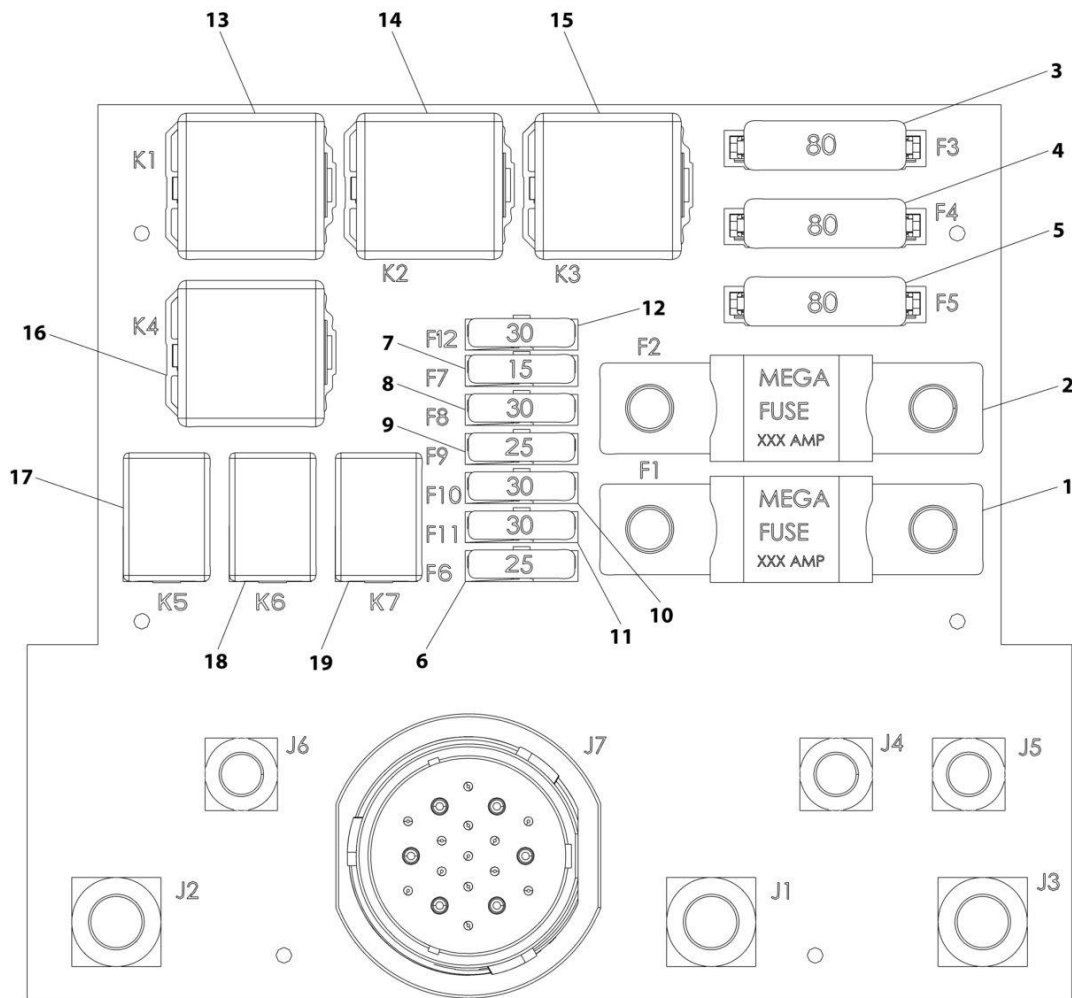
SECTION 10 - ELECTRICAL

FIGURE 10-53. FRAME - ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167051	Ref	ELECTRICAL FRAME INSTALLATION	K
2	0700610	4	Bolt M6 x 20	
3	0761010	4	Bolt M10 x 20	
4	0700820	2	Bolt M8 x 60	
7	4811900	8	Washer M8	
8	4811700	4	Washer M6	
12	10713707	1	Horn	
13	1001169146	2	Mount	
14	1001270467	1	Module, Front Frame Control	
15	1001270468	1	Module, Rear Frame Control	
16	1001164402	1	Box, Power Distribution Electrical (See Separate Breakdown in this Section)	
17	1001166397	1	Grommet	
20	1001210450	1	Plate, Mounting	
21	3290801	1	Nut M8 x 1-1/4	
22	1001008559	2	Strap, Cable	
23	0760815	1	Bolt M8 x 35	
24	4812000	4	Washer M10	
25	0700818	2	Bolt M8 x 50	
26	1001180620	AR	Locking, Compound	

SECTION 10 - ELECTRICAL

FIGURE 10-54. FRAME - POWER DISTRIBUTION BOX



ART_1001164402-G

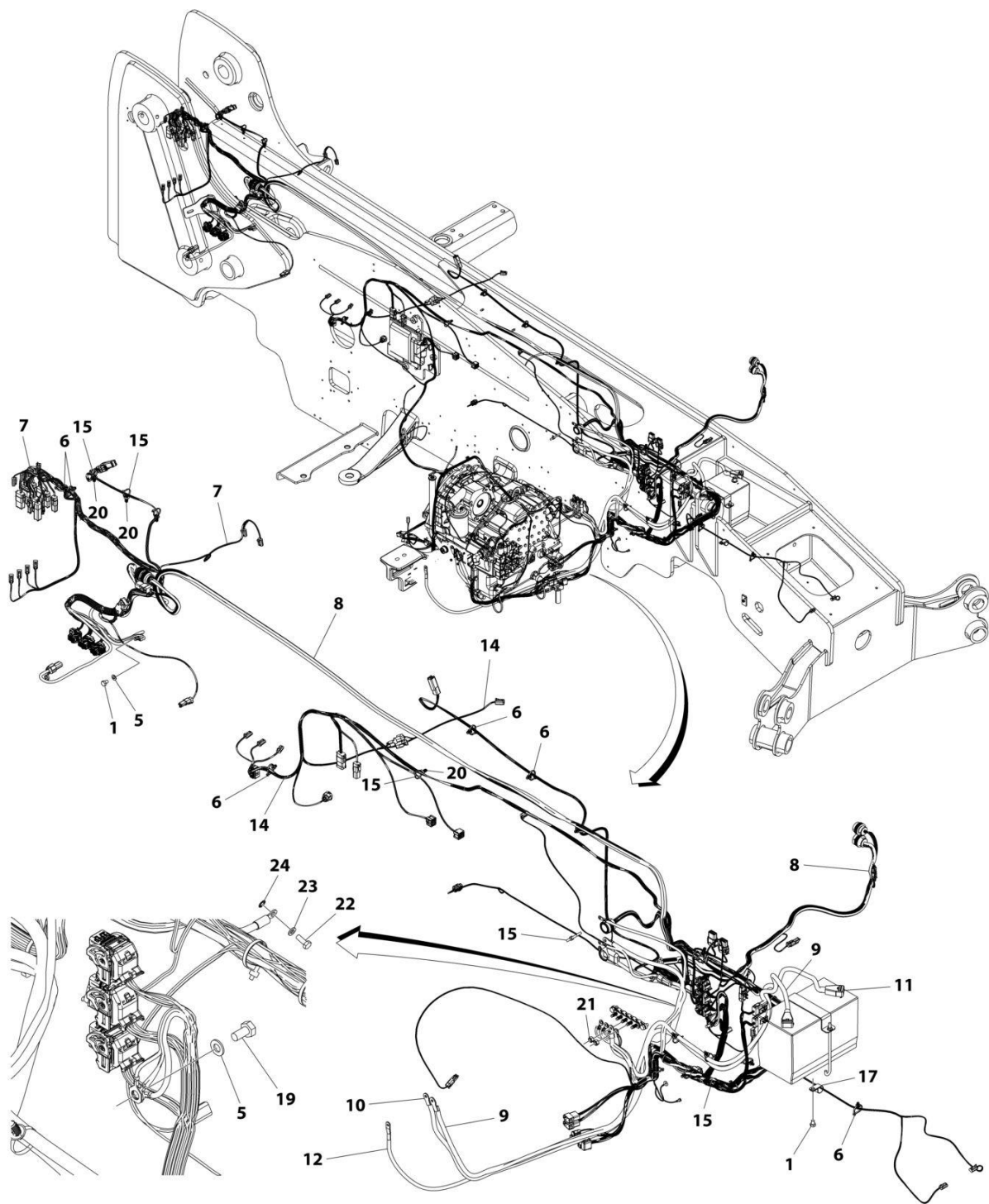
SECTION 10 - ELECTRICAL

FIGURE 10-54. FRAME - POWER DISTRIBUTION BOX

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164402	Ref	Power Distribution Electrical Box	G
1	1001095336	1	Fuse, 150AMP	
2	70026296	1	Fuse, 200AMP	
3	70026297	1	Fuse, 80AMP	
4	70026297	1	Fuse, 80AMP	
5	70026297	1	Fuse, 80AMP	
6	8229247	1	Fuse, 25AMP	
7	8229244	1	Fuse, 15AMP	
8	8229245	1	Fuse, 30AMP	
9	8229247	1	Fuse, 25AMP	
10	8229245	1	Fuse, 30AMP	
11	8229245	1	Fuse, 30AMP	
12	8229245	1	Fuse, 30AMP	
13	70026294	1	Fuse, 70AMP	
14	70026294	1	Fuse, 70AMP	
15	70026294	1	Fuse, 70AMP	
16	70026294	1	Fuse, 70AMP	
17	70026295	1	Fuse, 35AMP	
18	70026295	1	Fuse, 35AMP	
19	70026295	1	Fuse, 35AMP	

SECTION 10 - ELECTRICAL

FIGURE 10-55. FRAME - WIRING INSTALLATION (ULS)



ART_1001173530_Q

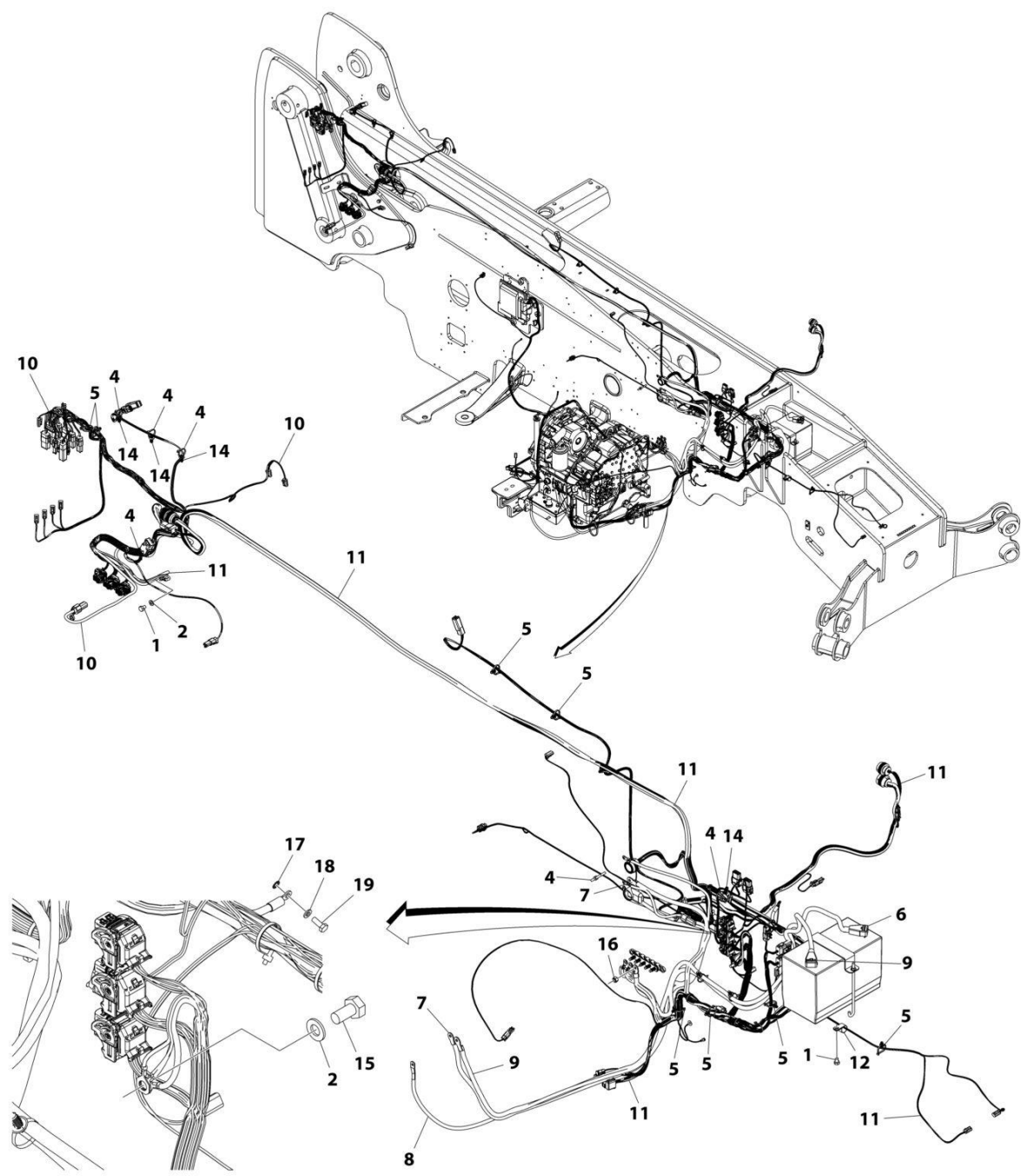
SECTION 10 - ELECTRICAL

FIGURE 10-55. FRAME - WIRING INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173530	Ref	FRAME - WIRING INSTALLATION (110HP) (ULS)	Q
1	0761007	2	Bolt M10 x 14	
5	4812000	2	Washer M10	
6	1001146588	14	Strap, Fir Tree Cable Tie	
7	1001266971	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
8	1001281268	1	Harness, Front Frame (See Separate Breakdown in this Section)	
9	1001170624	1	Cable, Battery + to Battery Disconnect	
10	1001170566	1	Cable, Battery Disconnect to PDM	
11	1001169365	1	Cable, Battery Negative	
12	1001200082	1	Cable, PDM to Grid Heater	
14	1001173091	1	Harness, Engine Chassis Harness (See Separate Breakdown in this Section)	
15	1001008559	20	Strap, Cable	
17	8406201	1	Clip, Wire and Tube	
19	0761010	1	Bolt M10 x 20	
20	1001202986	9	Strap, Fir Tree Push Mount	
21	3291005	2	Nut M10 x 1-1/2	
22	0760608	1	Bolt M6 x 16	
23	4811700	1	Washer M6	
24	4871700	1	Washer M6	

SECTION 10 - ELECTRICAL

FIGURE 10-56. FRAME - WIRING INSTALLATION (LS)



ART_1001192305_O

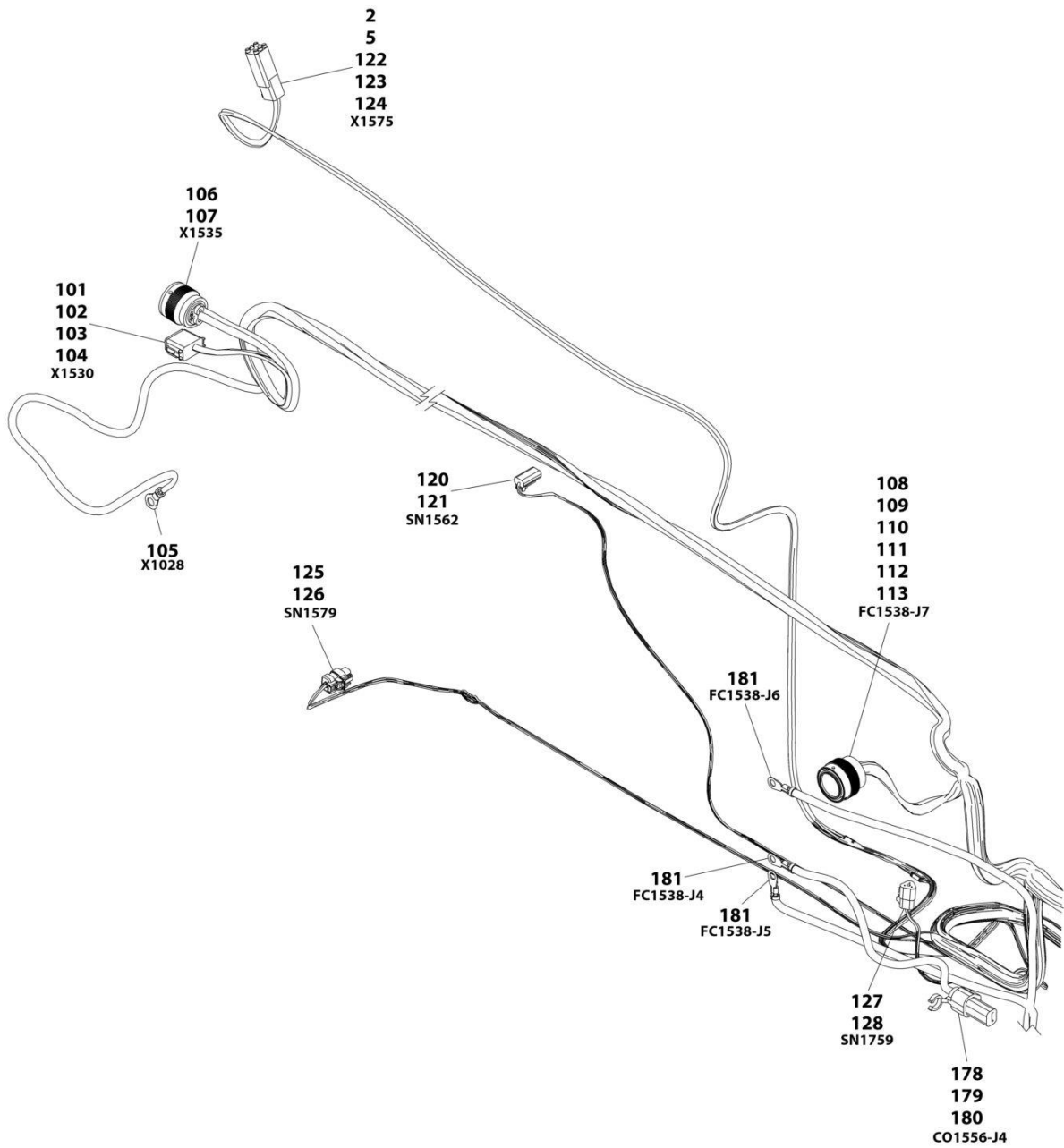
SECTION 10 - ELECTRICAL

FIGURE 10-56. FRAME - WIRING INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192305	Ref	FRAME - WIRING INSTALLATION (110HP) (LS)	O
1	0761007	2	Bolt M10 x 14	
2	4812000	2	Washer M10	
4	1001008559	19	Strap, Cable	
5	1001146588	13	Strap, Fir Tree Cable Tie	
6	1001169365	1	Cable, Battery Negative	
7	1001170566	1	Cable, Battery Disconnect to PDM	
8	1001200082	1	Cable, PDM to Grid Heater	
9	1001170624	1	Cable, Battery + to Battery Disconnect	
10	1001266971	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
11	1001281268	1	Harness, Front Frame (See Separate Breakdown in this Section)	
12	8406201	1	Clip, Wire and Tube	
14	1001202986	8	Strap, Fir Tree Push Mount	
15	0761010	1	Bolt M10 x 20	
16	3291005	1	Nut M10 x 1-1/2	
17	4871700	1	Washer M6	
18	4811700	1	Washer M6	
19	0760608	1	Bolt M6 x 16	

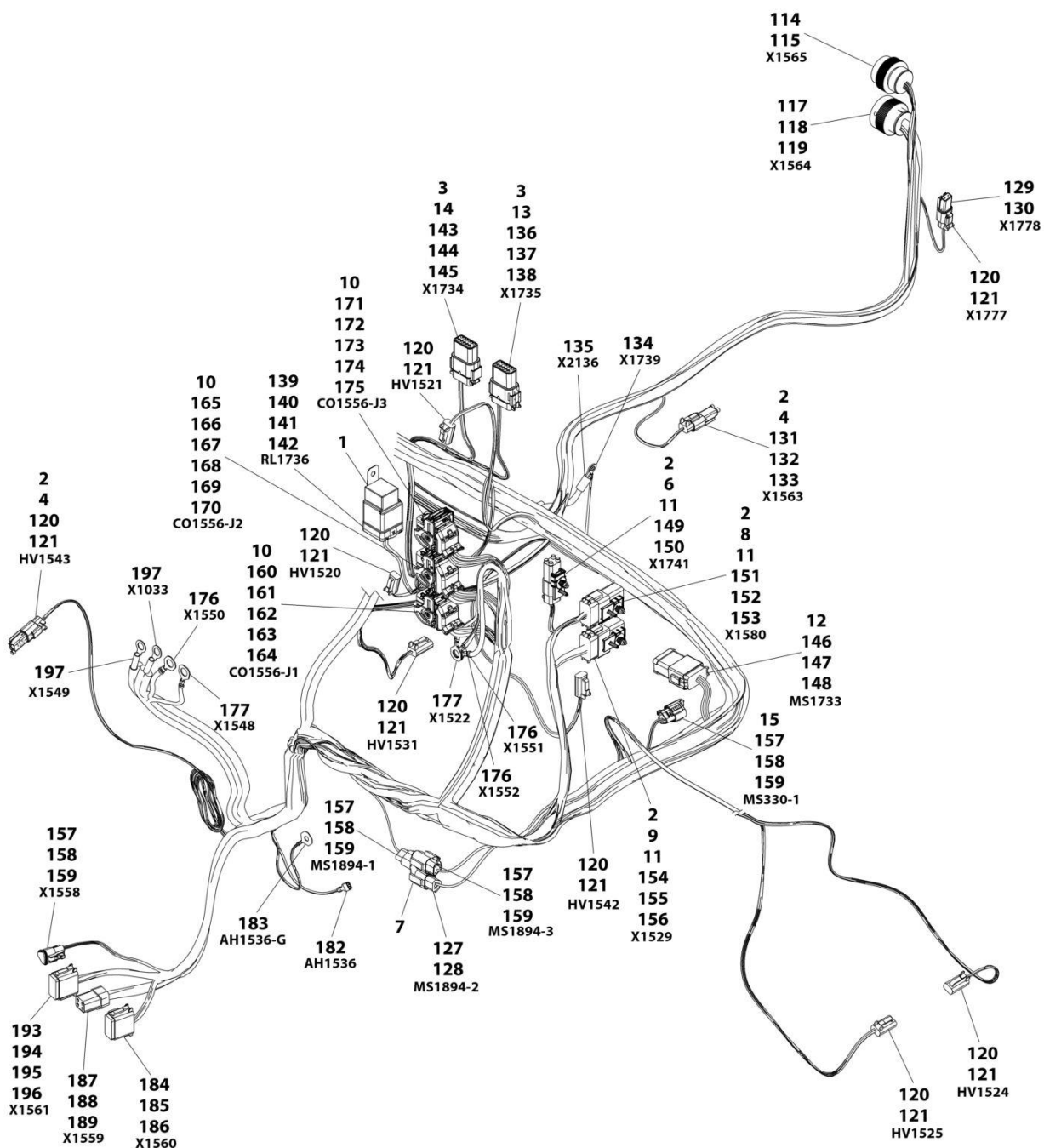
SECTION 10 - ELECTRICAL

FIGURE 10-57. FRAME HARNESS – FRONT



ART_1001281268_A_10F2

SECTION 10 - ELECTRICAL



ART 1001281268 A 2OF2

SECTION 10 - ELECTRICAL

FIGURE 10-57. FRAME HARNESS – FRONT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281268	Ref	FRONT FRAME HARNESS	A
1	3740080	1	Relay	
3	4460518	34	Terminal	
4	4460897	2	Connector	
4	1001144295	2	Connector	
5	4460899	1	Connector	
5	1001213448	1	Connector	
6	4460932	1	Connector	
6	1001192401	1	Connector	
7	4460945	1	Receptacle, 3 - Way	
8	4460950	1	Connector	
8	1001215898	1	Connector	
10	1001008559	3	Tie-Strap	
11	1001121172	3	Bracket, Mounting	
11	1001306315	1	Bracket, Mounting	
12	1001125677	1	Bus Bar	
13	1001132169	1	Connector	
14	1001132170	1	Connector	
15	1001144296	1	Cap	
101	4460933	1	Connector	
102	4460465	4	Terminal	
103	4460942	2	Terminal	
104	4460466	6	Plug	
105	1001187076	1	Connector	
106	1001165310	1	Connector	
107	91013192	2	Terminal	
108	1001165309	1	Connector	
109	4460466	2	Plug	
110	4460465	8	Terminal	
111	4460942	3	Terminal	
112	4460509	3	Terminal	
113	1001150611	3	Terminal	
114	4461015	1	Connector	
114	1001201080	1	Connector	
115	4460465	14	Terminal	
117	1001118323	1	Connector	
118	4460942	4	Terminal	
119	91013192	2	Terminal	
120	4460891	8	Connector	
121	4460465	16	Terminal	
122	4460894	1	Connector	
123	4460465	2	Terminal	
124	4460942	4	Terminal	
125	1001116950	1	Connector	
126	4460465	2	Terminal	
127	4460539	2	Connector	
128	4460465	6	Plug	
129	4460897	1	Connector	
130	4460464	2	Terminal	
131	4460891	1	Connector	

SECTION 10 - ELECTRICAL

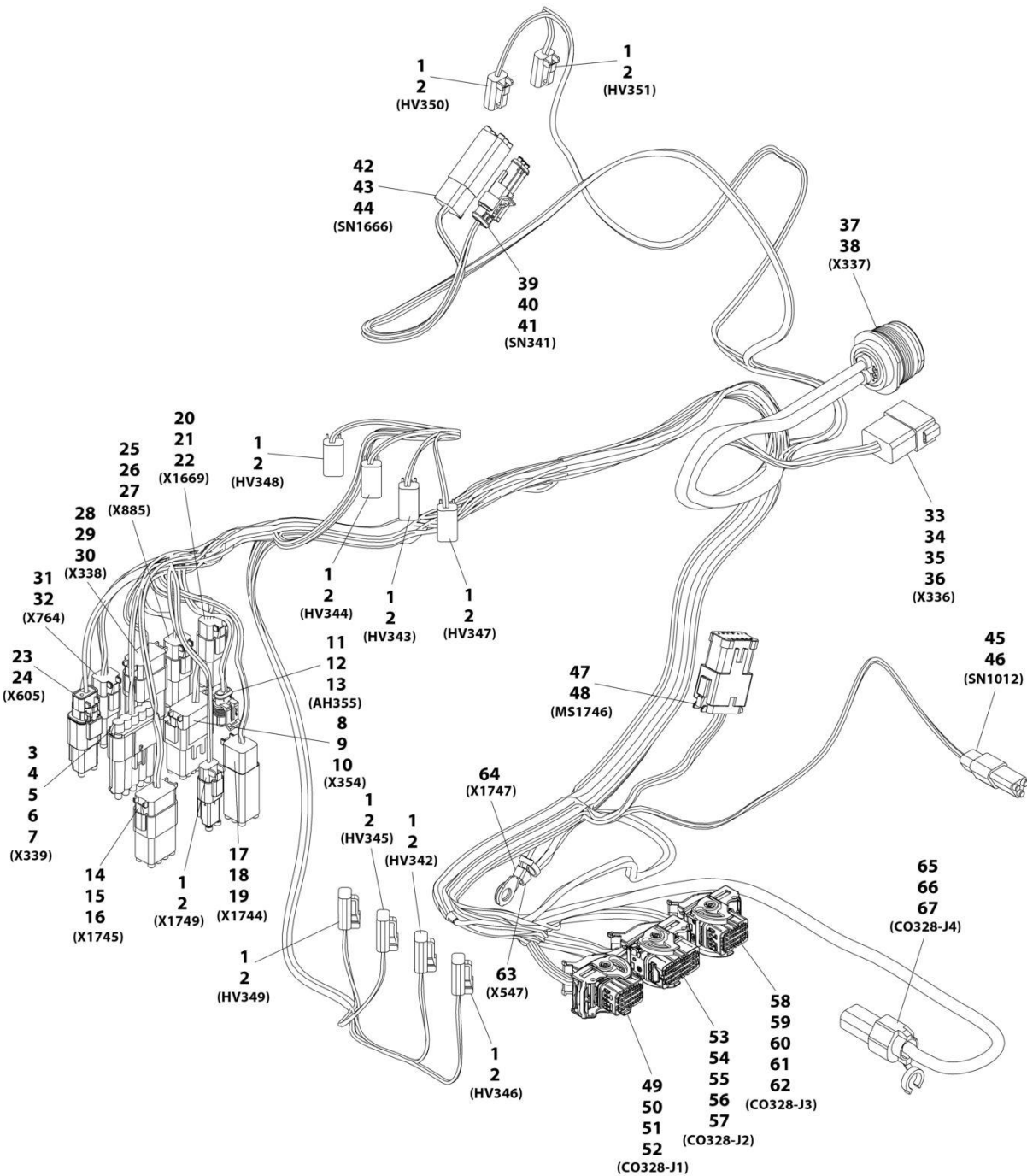
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
132	4460942	1	Terminal	
133	4460465	1	Terminal	
134	1001207173	1	Connector	
135	8220116	1	Connector	
136	1001116774	1	Connector	
137	4460518	10	Plug	
138	1001126008	2	Terminal	
139	1001231398	1	Connector	
140	1001231400	4	Terminal	
140	1001231399	4	Terminal	
141	1001231406	1	Plug	
142	1001231404	4	Seal	
143	1001116808	1	Connector	
144	4460518	9	Plug	
145	1001126008	3	Terminal	
146	4460933	1	Connector	
147	4460465	10	Terminal	
148	4460466	2	Terminal	
149	4460884	1	Connector	
150	4460465	4	Terminal	
151	4460836	1	Connector	
152	4460465	7	Terminal	
153	4460466	5	Plug	
154	4460933	1	Connector	
155	4460942	10	Terminal	
156	4460466	2	Terminal	
157	1001116812	4	Connector	
158	4460944	8	Terminal	
159	4460466	4	Terminal	
160	1001161957	1	Connector	
161	1001161097	19	Terminal	
162	1001161100	5	Plug	
163	1001161101	7	Plug	
164	1001161098	1	Terminal	
165	1001161963	1	Connector	
166	1001161097	17	Terminal	
167	1001161100	23	Plug	
168	1001161098	1	Terminal	
169	1001161099	5	Terminal	
170	1001161101	2	Plug	
171	1001160500	1	Connector	
172	1001161100	15	Plug	
173	1001161097	9	Terminal	
174	1001161099	7	Terminal	
175	1001161101	1	Plug	
176	1001187080	3	Connector	
177	1001187079	2	Connector	
178	1001160509	1	Connector	
179	1001160510	1	Terminal	
180	1001175267	1	Seal	
181	1001187075	3	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
182	8220051	1	Connector	
183	1001211775	1	Connector	
184	4460933	1	Connector	
185	4460465	8	Terminal	
186	4460466	4	Plug	
187	1001116810	1	Connector	
188	4460509	1	Terminal	
189	1001150611	3	Terminal	
193	4460836	1	Connector	
194	4460942	1	Terminal	
195	4460465	10	Terminal	
196	4460466	1	Terminal	
197	1001128127	2	Connector	

SECTION 10 - ELECTRICAL

FIGURE 10-58. FRAME HARNESS - REAR



ART_1001266971-C

SECTION 10 - ELECTRICAL

FIGURE 10-58. FRAME HARNESS - REAR

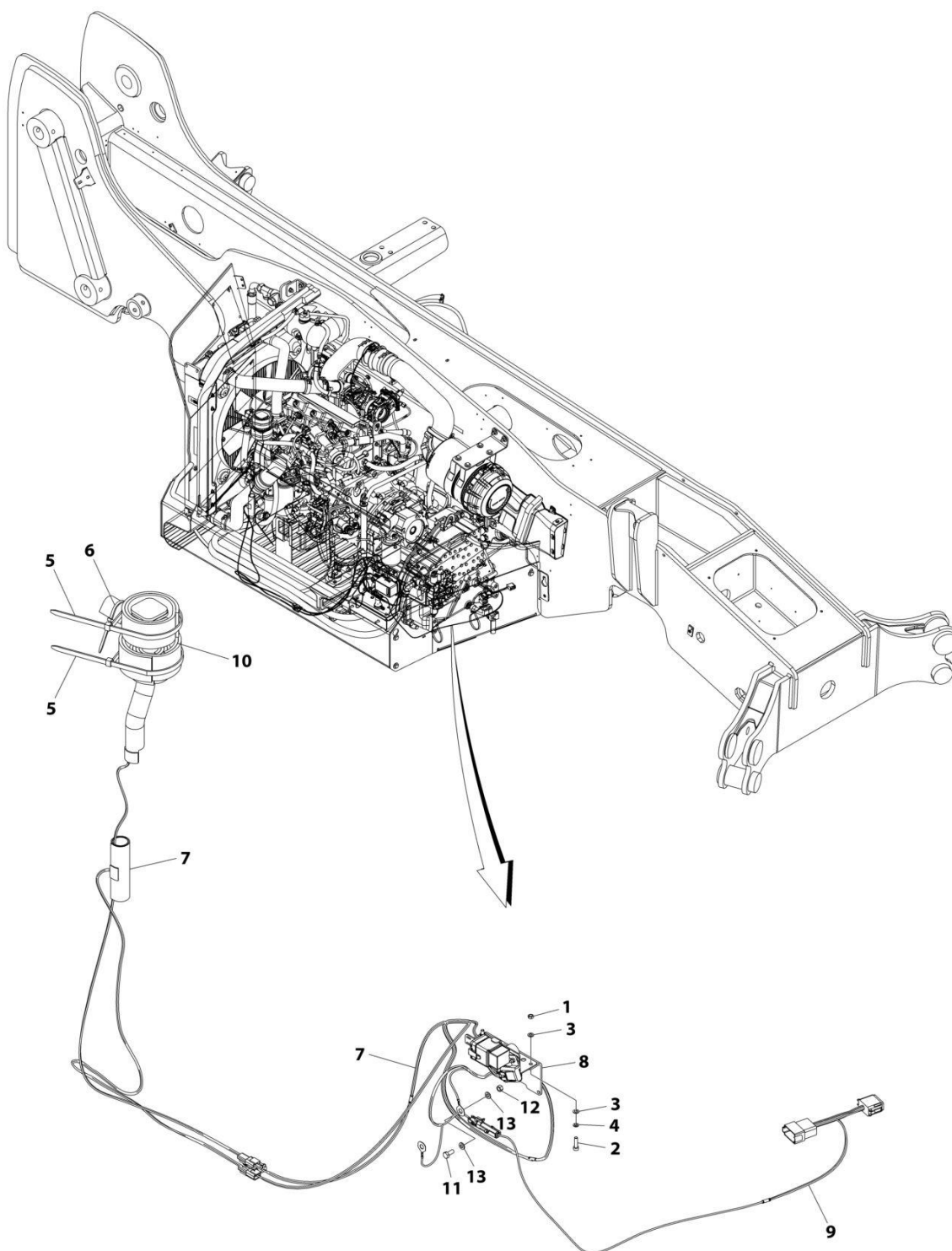
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266971	Ref	REAR FRAME HARNESS (9/10)	C
1	4460891	1	Connector	
2	4460465	2	Terminal	
3	1001121726	1	Connector	
4	1001116728	3	Terminal	
5	1001116727	2	Plug	
6	1001175265	2	Seal	
7	4460458	1	Seal	
8	4460933	1	Connector	
9	4460942	10	Terminal	
10	4460466	2	Plug	
11	4461118	1	Connector	
12	1001107854	2	Terminal	
13	1001116763	2	Seal	
14	4460930	1	Connector	
15	4460465	6	Terminal	
16	4460466	2	Plug	
17	4460894	1	Connector	
18	4460465	3	Terminal	
19	4460466	3	Plug	
20	4460884	1	Connector	
21	4460465	3	Terminal	
22	4460466	1	Plug	
23	4461018	1	Connector	
24	4460509	2	Terminal	
25	4460884	1	Connector	
26	4460465	2	Terminal	
27	4460466	2	Plug	
28	4460930	1	Connector	
29	4460466	6	Plug	
30	4460465	2	Terminal	
31	4460884	1	Connector	
32	4460465	4	Terminal	
33	4460970	1	Connector	
34	4460464	5	Terminal	
35	4460941	1	Terminal	
36	4460466	6	Plug	
37	1001165311	1	Connector	
38	91013191	2	Terminal	
39	4461262	1	Connector	
40	1001107854	3	Terminal	
41	1001114498	3	Seal	
42	4460894	1	Connector	
43	4460465	4	Terminal	
44	4460466	2	Plug	
45	4460539	1	Connector	
46	4460465	3	Terminal	
47	4460933	1	Connector	
48	4460465	12	Terminal	
49	1001161957	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001161097	7	Terminal	
51	1001161100	17	Plug	
52	1001161101	8	Plug	
53	1001161963	1	Connector	
54	1001161097	27	Terminal	
55	1001161100	13	Plug	
56	1001161099	5	Terminal	
57	1001161101	3	Plug	
58	1001160500	1	Connector	
59	1001161100	20	Plug	
60	1001161097	4	Terminal	
61	1001161099	7	Terminal	
62	1001161101	1	Plug	
63	1001187076	1	Connector	
64	1001187078	1	Terminal Ring	
65	1001160509	1	Connector	
66	1001160510	1	Terminal	
67	1001175267	1	Seal	

SECTION 10 - ELECTRICAL

FIGURE 10-59. HEATER HARNESS - CUMMINS BREATHER (ULS)



ART_1001232751_C

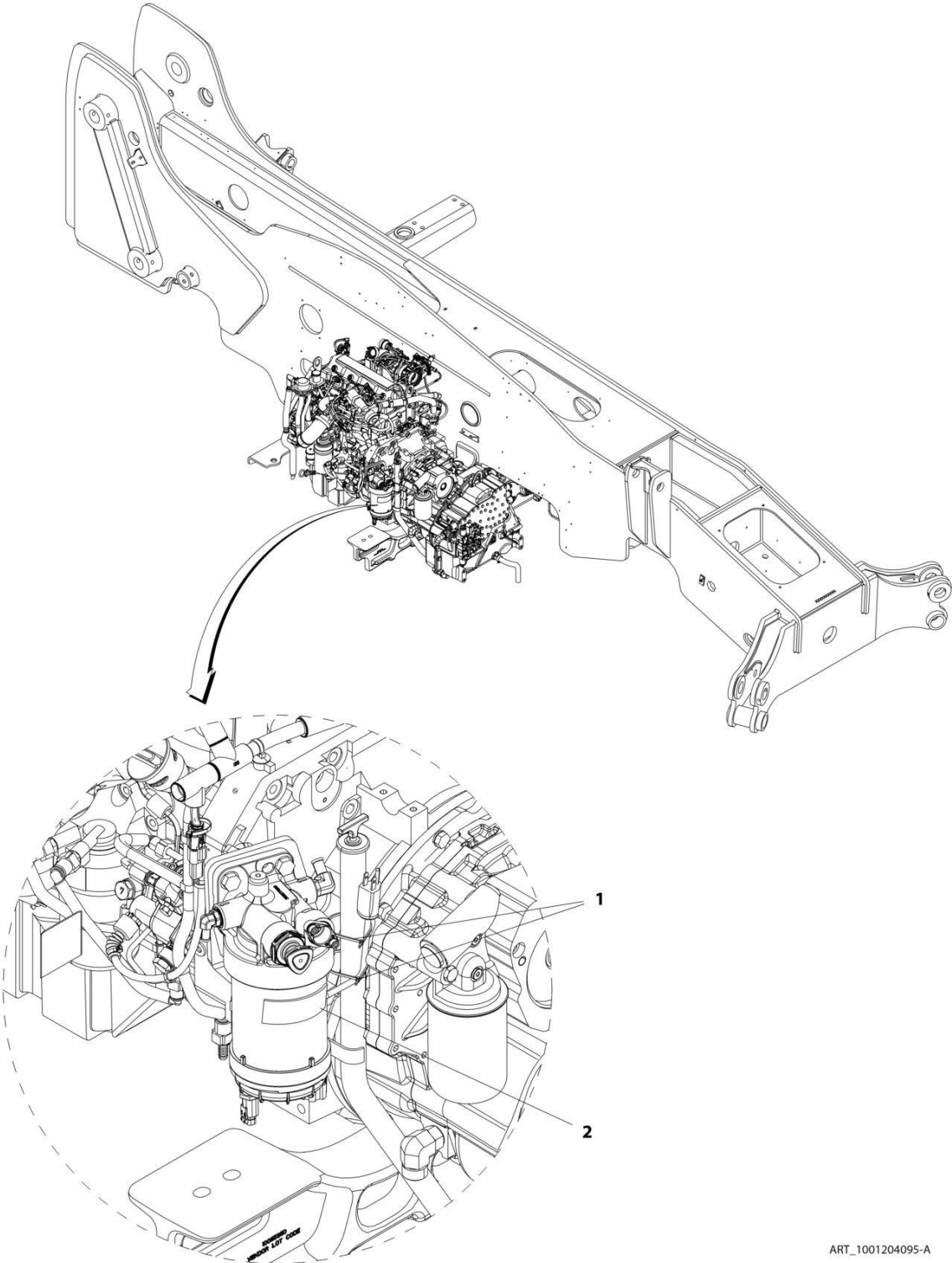
SECTION 10 - ELECTRICAL

FIGURE 10-59. HEATER HARNESS - CUMMINS BREATHER (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232751	Ref	Heater Breather - 110 HP	C
1	3290501	2	Nut, M5X0.8	
2	4031608	2	Screw, M5X20	
3	4811600	4	Washer, M5	
4	4831600	2	Washer, Lock M5	
5	01043892	2	Strap, Tie	
6	86683122	1	Strap, Tie	
7	1001232439	1	Engine, Cummins Breather Kit	
8	1001253331	1	Bracket	
9	1001232556	1	Harness, Cummins Heater Jump	
10	1001232624	1	Insulate, Cummins Insulation	
11	0760607	1	Bolt, M6X1	
12	3290601	1	Nut, M6X1	
13	4811700	2	Washer, M6	

SECTION 10 - ELECTRICAL

FIGURE 10-60. HEATER HARNESS - FUEL FILTER



ART_1001204095-A

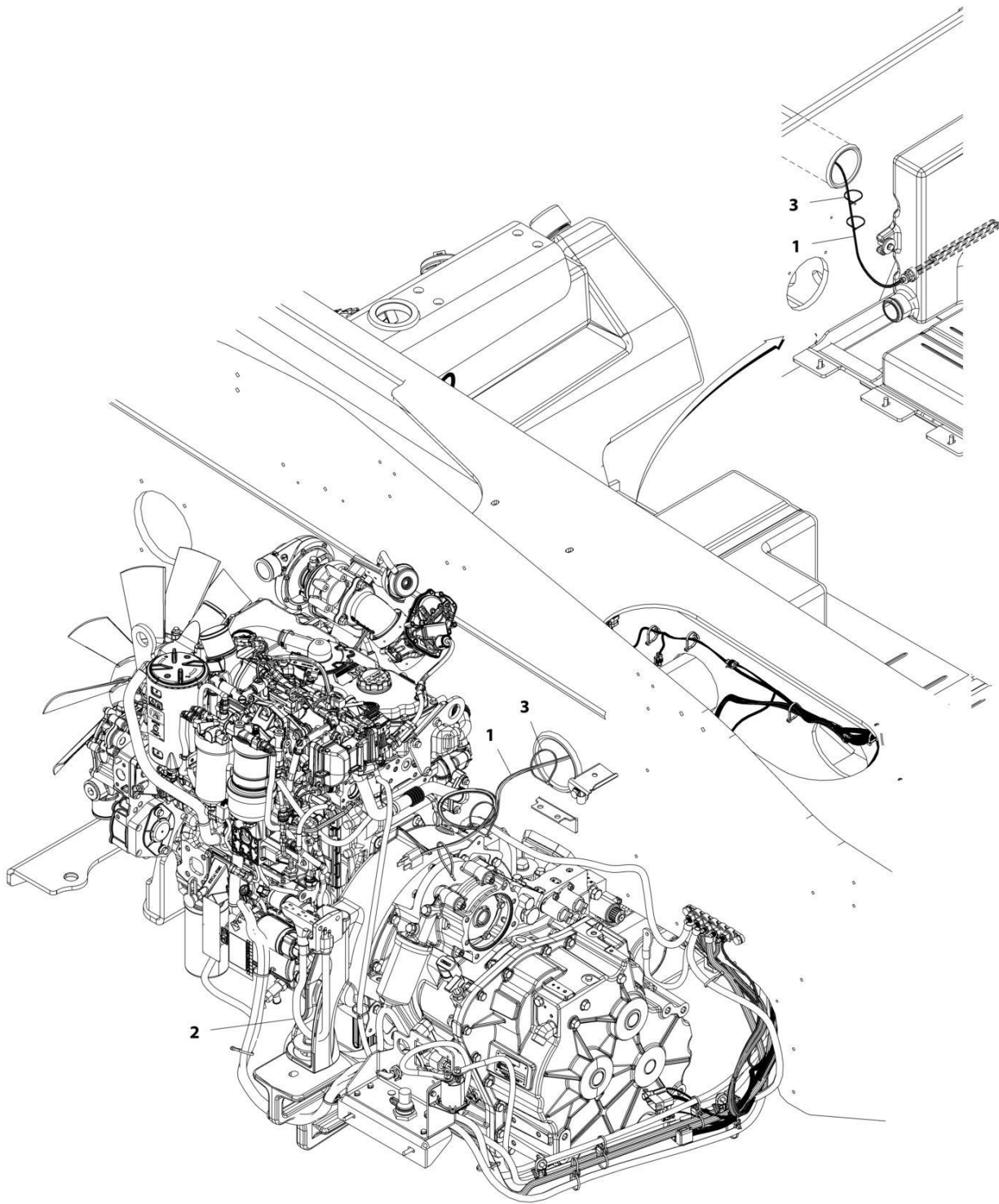
SECTION 10 - ELECTRICAL

FIGURE 10-60. HEATER HARNESS - FUEL FILTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204095	Ref	Fuel Filter Heater Installation	A
1	4240099	2	Strap, Tie	
2	1001202498	1	Pad	

SECTION 10 - ELECTRICAL

FIGURE 10-61. HEATER HARNESS - HYDRAULIC TANK



ART_1001190671-B

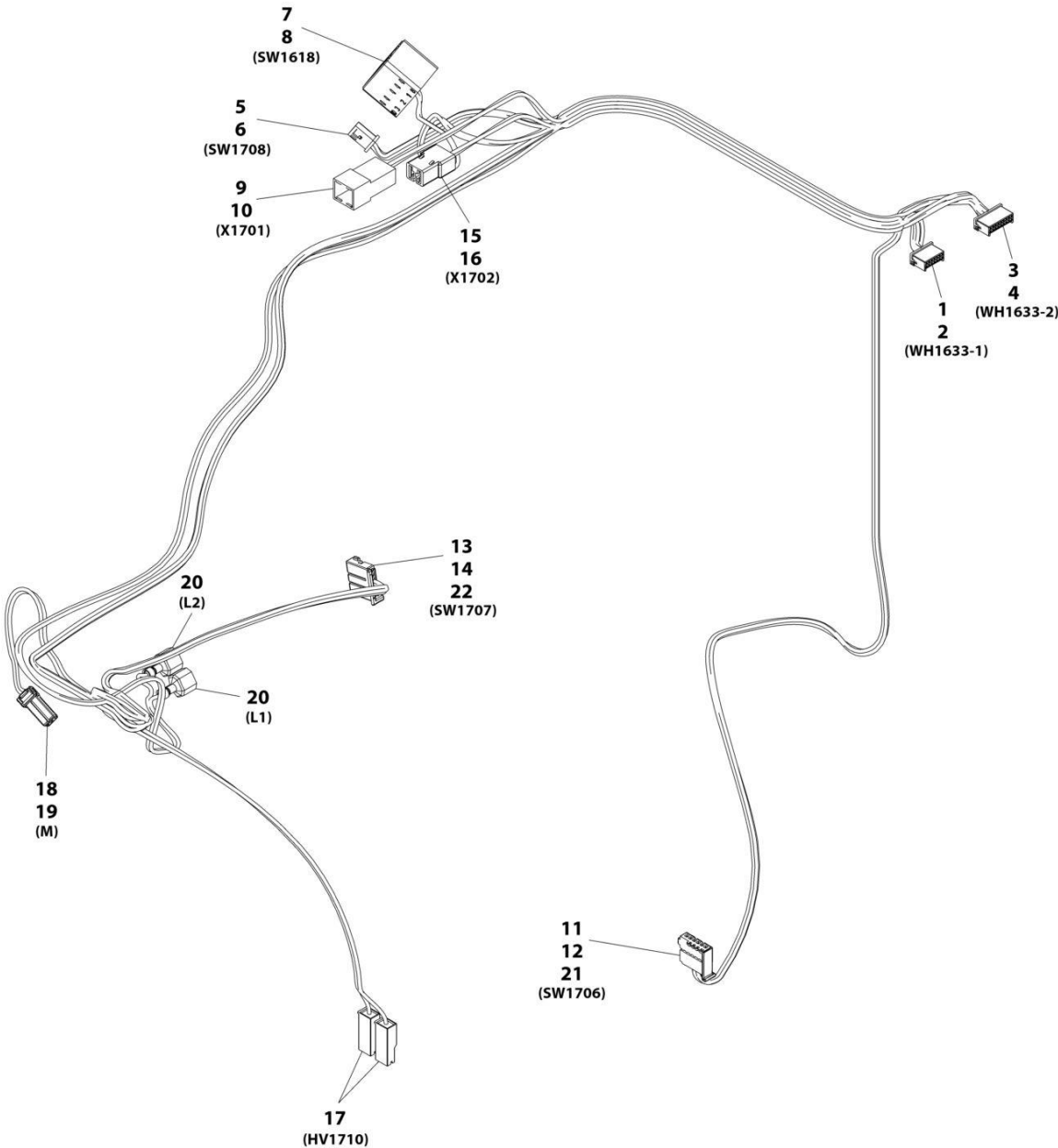
SECTION 10 - ELECTRICAL

FIGURE 10-61. HEATER HARNESS - HYDRAULIC TANK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190671	Ref	Hydraulic Tank Heater Installation	B
1	1001105886	1	Heater, Immersion	
2	1060626	1	Cord, 3-Way Extension	
3	4240099	5	Strap, Tie	

SECTION 10 - ELECTRICAL

FIGURE 10-62. HVAC ACTUATOR HARNESS



ART_1001268830

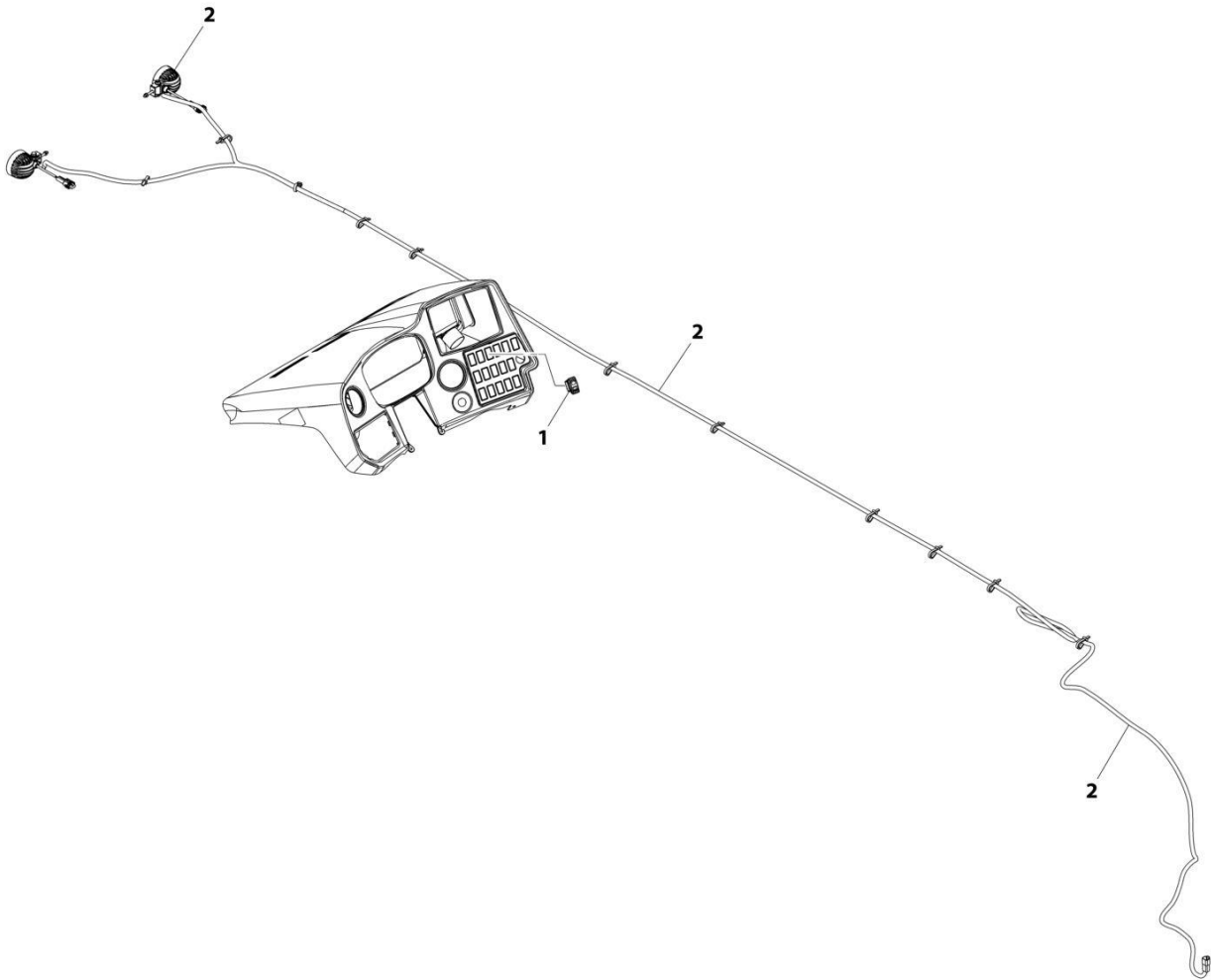
SECTION 10 - ELECTRICAL

FIGURE 10-62. HVAC ACTUATOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268830	Ref	CAB HVAC ACTUATOR HARNESS	B
1	1001274536	1	Connector	
2	1001274543	10	Terminal	
3	1001274537	1	Connector	
4	1001274543	8	Terminal	
5	1001184473	1	Connector	
6	1001184479	3	Terminal	
7	1001274533	1	Connector	
8	1001274539	4	Terminal	
9	1001116999	1	Connector	
10	1001274540	2	Terminal	
11	1001274534	1	Connector	
12	1001274541	2	Terminal	
13	1001274534	1	Connector	
14	1001274541	5	Terminal	
15	1001116991	1	Connector	
16	1001116720	2	Terminal	
17	1001274535	2	Connector	
18	1001274538	1	Connector	
19	1001274544	2	Terminal	
20	8220050	2	Terminal	
21	1001274553	1	Retainer	
22	1001274553	1	Retainer	

SECTION 10 - ELECTRICAL

FIGURE 10-63. LIGHTS - BOOM WORK LIGHTS SWITCH/HARNESS INSTALLATION (LED)



ART_1001230599-A

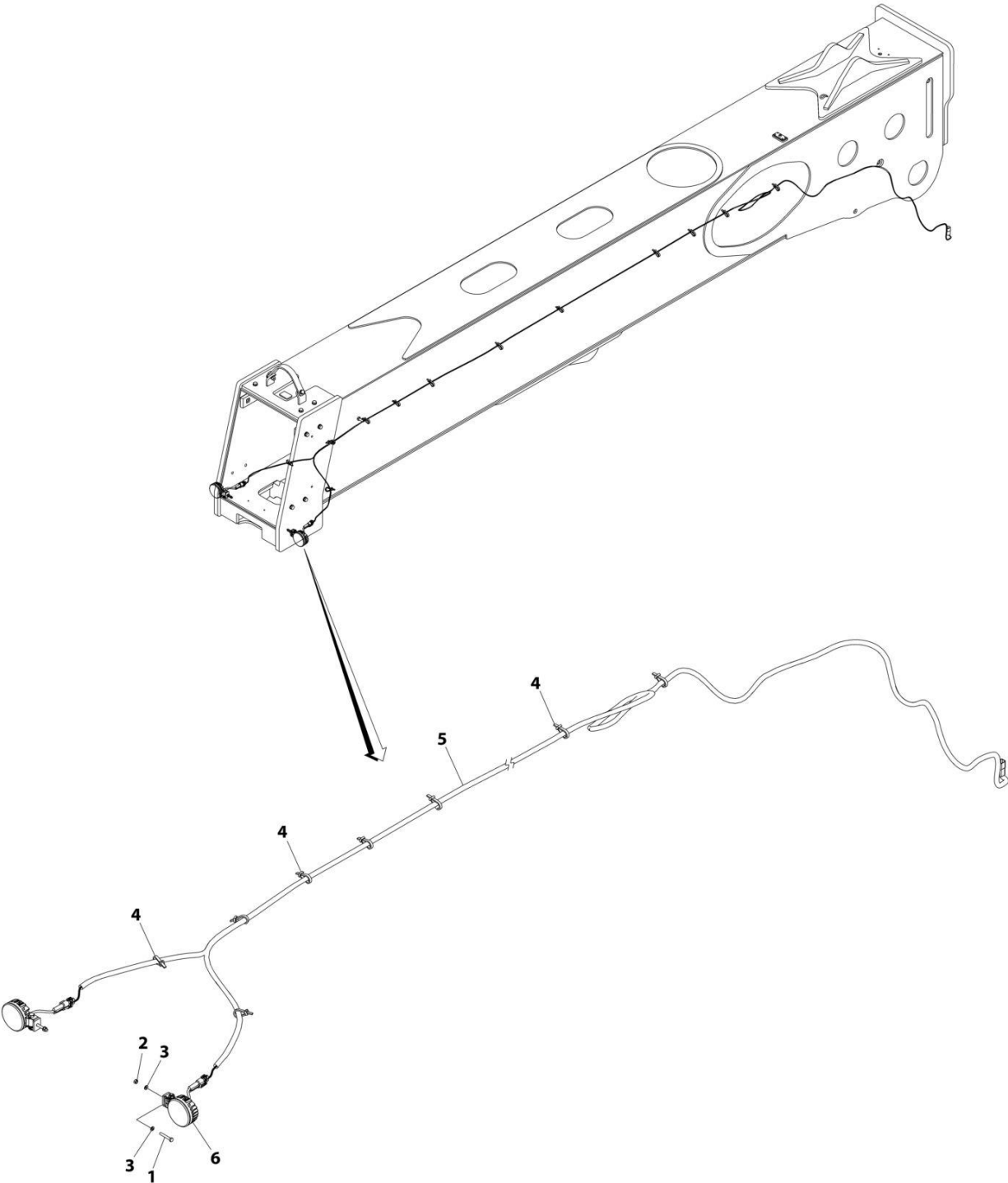
SECTION 10 - ELECTRICAL

FIGURE 10-63. LIGHTS - BOOM WORK LIGHTS SWITCH/HARNESS INSTALLATION (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230599	Ref	Boom Work Lights Installation	A
1	1001159739	1	Switch, Boom Work Lights	
2	1001230623	1	Installation, Boom LED Work Lights (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-64. LIGHTS - BOOM WORK LIGHTS HARNESS INSTALLATION (LED)



ART_1001230623_B

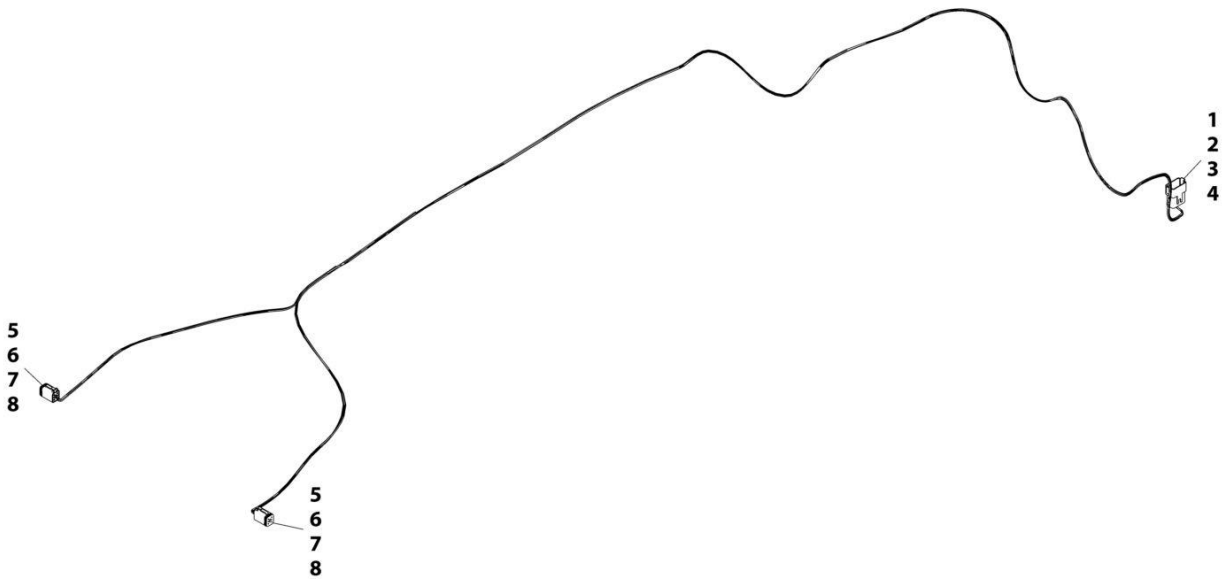
SECTION 10 - ELECTRICAL

FIGURE 10-64. LIGHTS - BOOM WORK LIGHTS HARNESS INSTALLATION (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230623	Ref	BOOM WORK LIGHTS HARNESS INSTALLATION (LED)	B
1	0700616	2	Bolt M6 x 40	
2	3290601	2	Nut M6	
3	4811700	4	Washer M6	
4	1001008923	AR	Strap, Cable	
5	1001167608	1	Harness, Boom Worklights (See Separate Breakdown in this Section)	
6	1001273635	2	Lamp, LED Work light	

SECTION 10 - ELECTRICAL

FIGURE 10-65. LIGHTS - BOOM WORK LIGHTS HARNESS



ART_1001167608-E

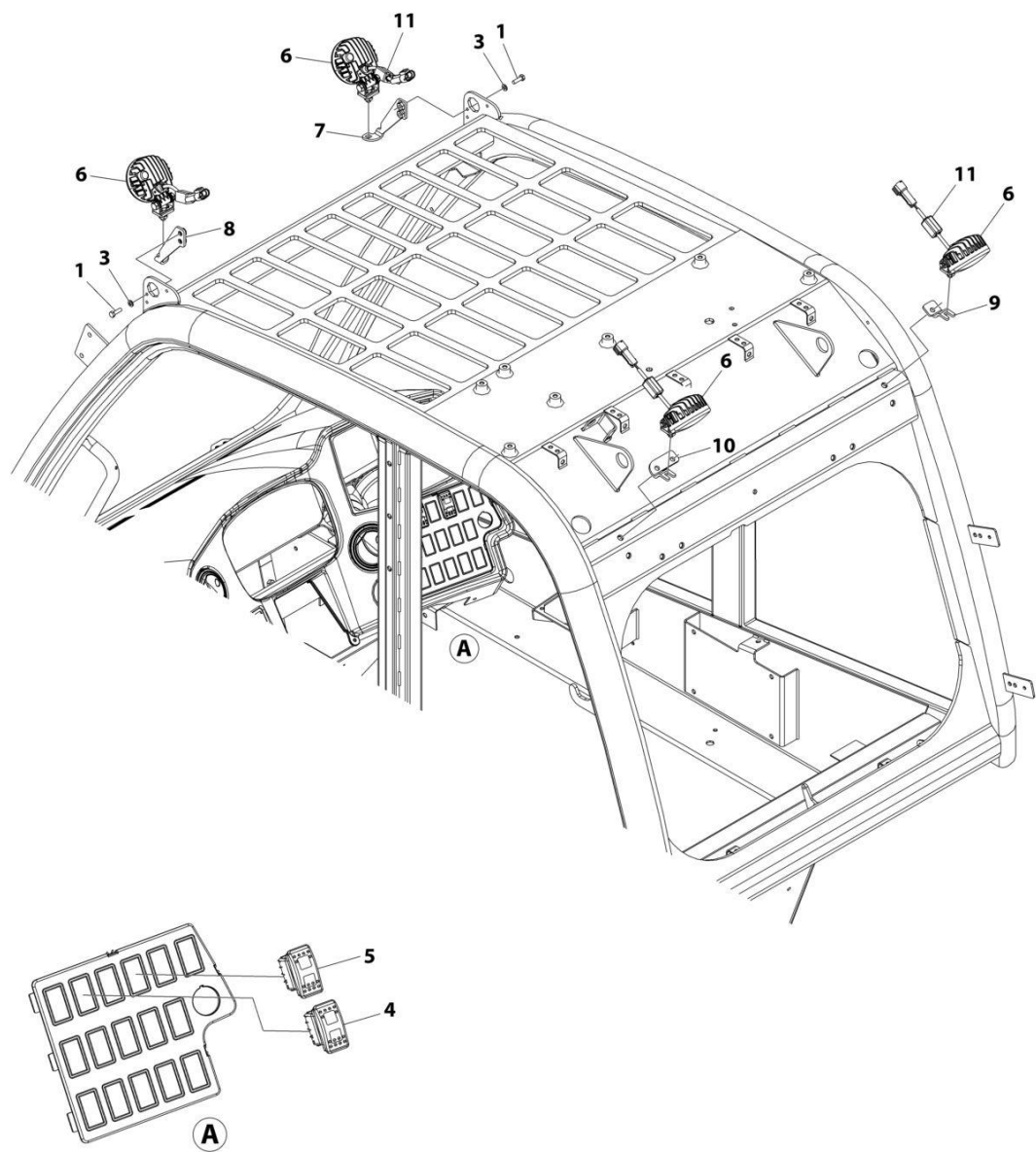
SECTION 10 - ELECTRICAL

FIGURE 10-65. LIGHTS - BOOM WORK LIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167608	Ref	Boom Worklights Harness	E
1	4460932	1	Connector	
2	80604020	1	Lock, Connector	
3	4460464	2	Terminal	
4	4460466	2	Plug	
5	4461115	2	Connector	
6	1001103564	2	Lock, Terminal	
7	1001116728	2	Terminal	
8	4460458	2	Seal	

SECTION 10 - ELECTRICAL

FIGURE 10-66. LIGHTS - CAB WORK LIGHTS INSTALLATION (NO A/C) (LED)



ART_1001200538_E

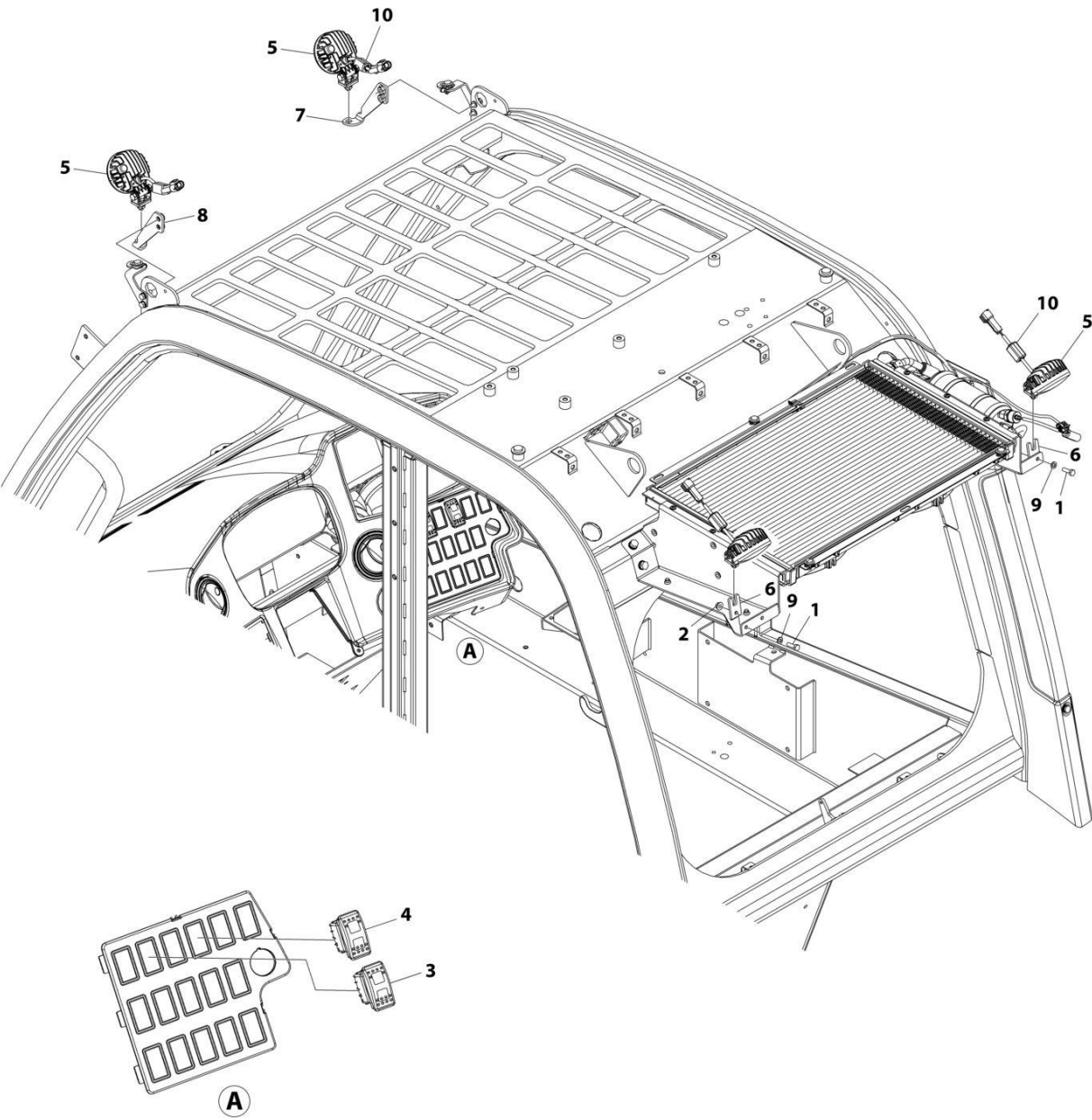
SECTION 10 - ELECTRICAL

FIGURE 10-66. LIGHTS - CAB WORK LIGHTS INSTALLATION (NO A/C) (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200538	Ref	LIGHTS - CAB WORK LIGHTS INSTALLATION (NO A/C) (LED)	E
1	0700610	4	Bolt M6 x 20	
3	4811700	4	Washer M6	
4	1001159845	1	Switch, Front Worklights	
5	1001159846	1	Switch, Rear Worklights	
6	1001273635	4	Lamp, LED Work Light	
7	1001244193	1	Support, LED Work Light RH	
8	1001244192	1	Support, LED Work Light LH	
9	1001204528	1	Support, LED Work Light RH	
10	1001204530	1	Support, LED Work Light LH	
11	1001228989	4	Harness, Ferrite	

SECTION 10 - ELECTRICAL

FIGURE 10-67. LIGHTS - CAB WORK LIGHTS INSTALLATION (A/C) (LED)



ART_1001200539_E

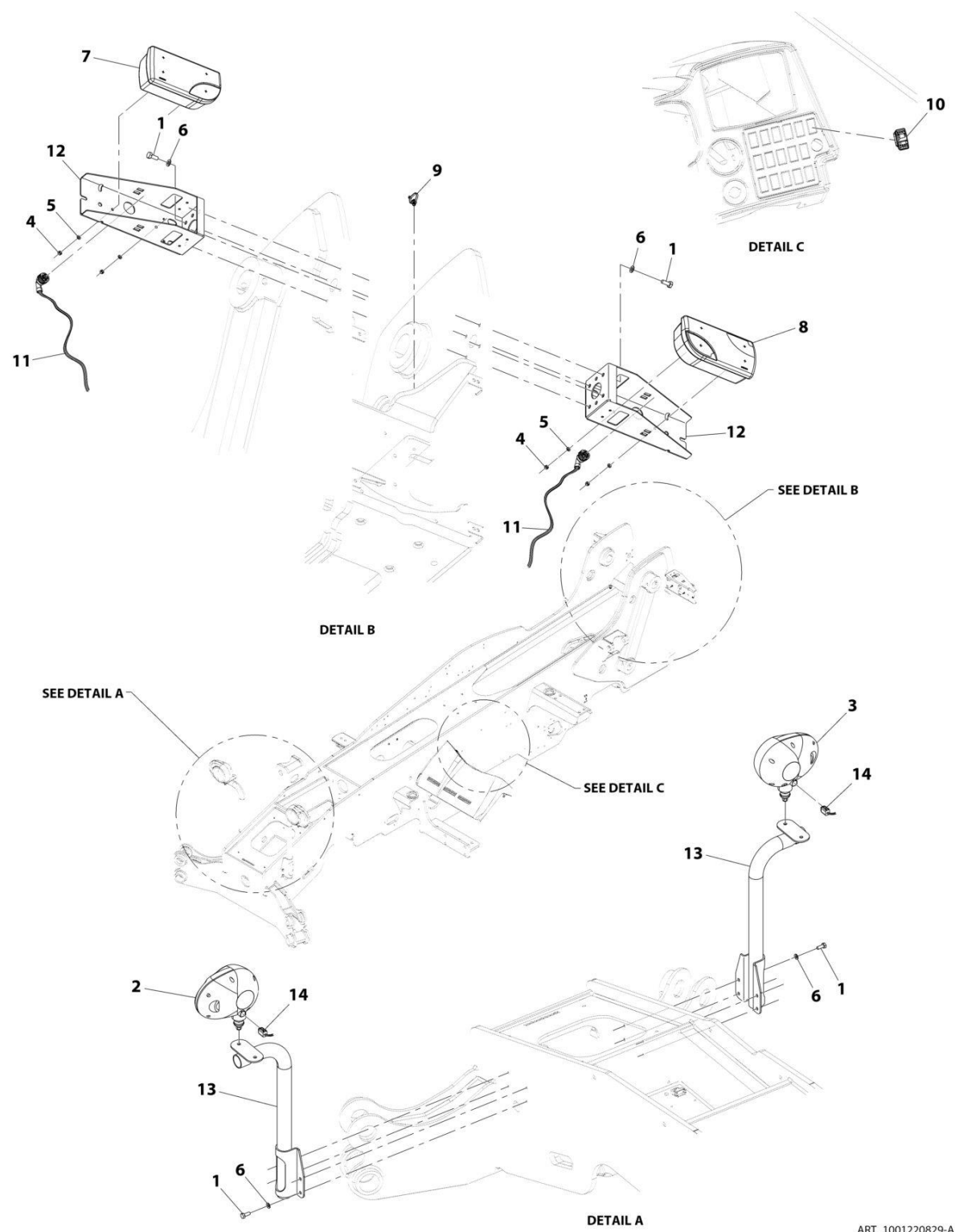
SECTION 10 - ELECTRICAL

FIGURE 10-67. LIGHTS - CAB WORK LIGHTS INSTALLATION (A/C) (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200539	Ref	LIGHTS - CAB WORK LIGHTS INSTALLATION (A/C) (LED)	E
1	0700610	2	Bolt M6 x 20	
2	5220600	2	Nut M6	
3	1001159845	1	Switch, Front Worklights	
4	1001159846	1	Switch, Rear Worklights	
5	1001273635	4	Lamp, LED Worklights	
6	1001204060	2	Bracket	
7	1001244193	1	Support, LED Work Light RH	
8	1001244192	1	Support, LED Work Light LH	
9	4811700	2	Washer M6	
10	1001228989	4	Harness, Ferrite	

SECTION 10 - ELECTRICAL

FIGURE 10-68. LIGHTS - ROADLIGHTS INSTALLATION



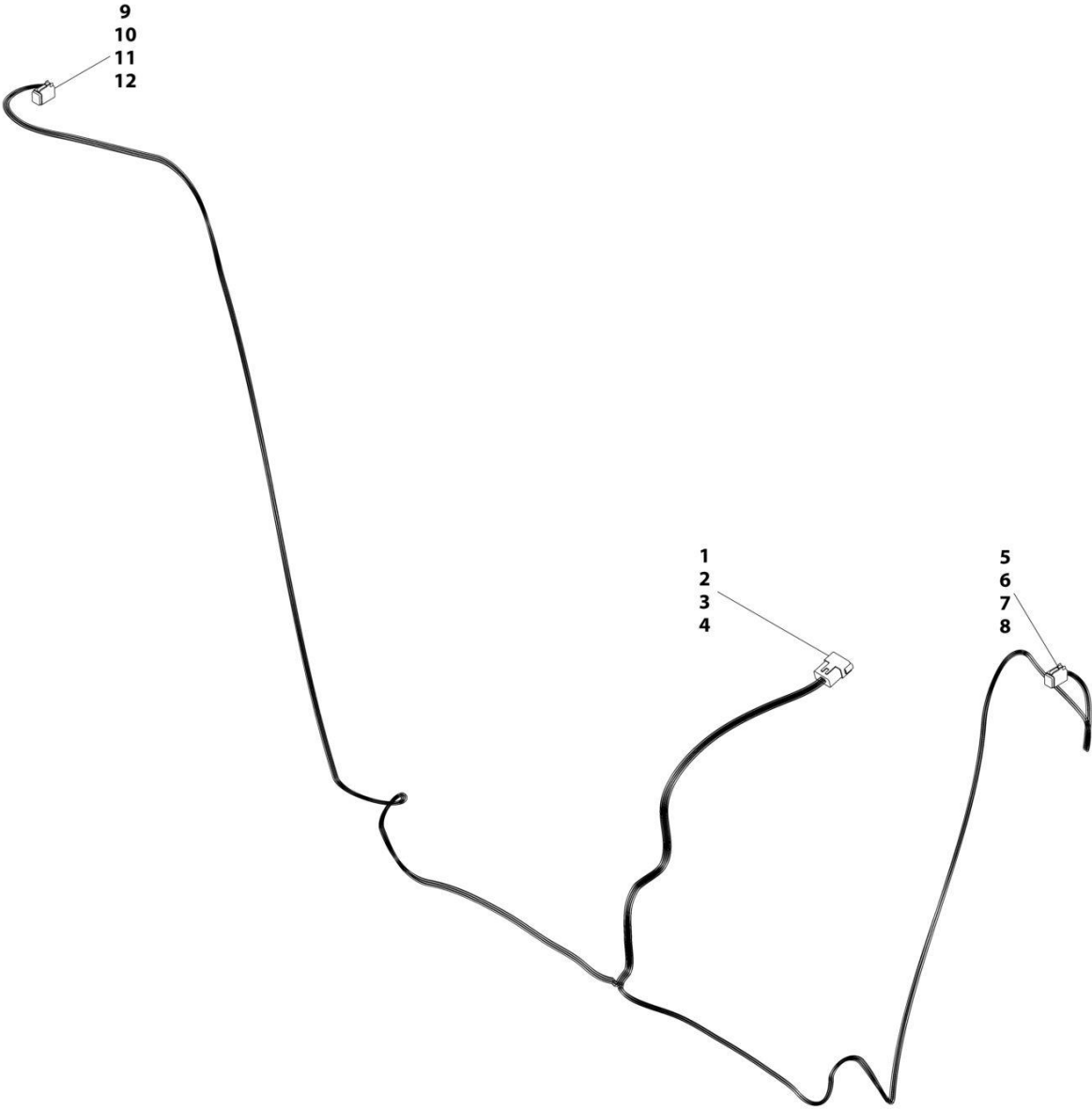
SECTION 10 - ELECTRICAL

FIGURE 10-68. LIGHTS - ROADLIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220829	Ref	Road Lights Installation	A
1	0761010	16	Bolt, M10X20	
2	2920207	1	Driving Light, LH	
3	2920208	1	Driving Light, RH	
4	3290607	4	Nut, M6X1	
5	4811700	4	Washer, M6	
6	4812000	16	Washer, M10	
7	1001091715	1	Lamp, Rear LH	
8	1001091716	1	Lamp, Rear RH	
9	1001146588	1	Strap, Cable	
10	1001159734	1	Switch, Hazard	
11	1001173092	1	Harness, HBP Tail Lights (See Separate Breakdown in Electrical Section)	
12	1001196100	2	Bracket	
13	1001220817	2	Bracket	
14	1001165360	1	Harness, Front Frame Headlight (See Separate Breakdown in Electrical Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-69. LIGHTS - ROADLIGHTS HEADLIGHT HARNESS



ART_1001165360-D

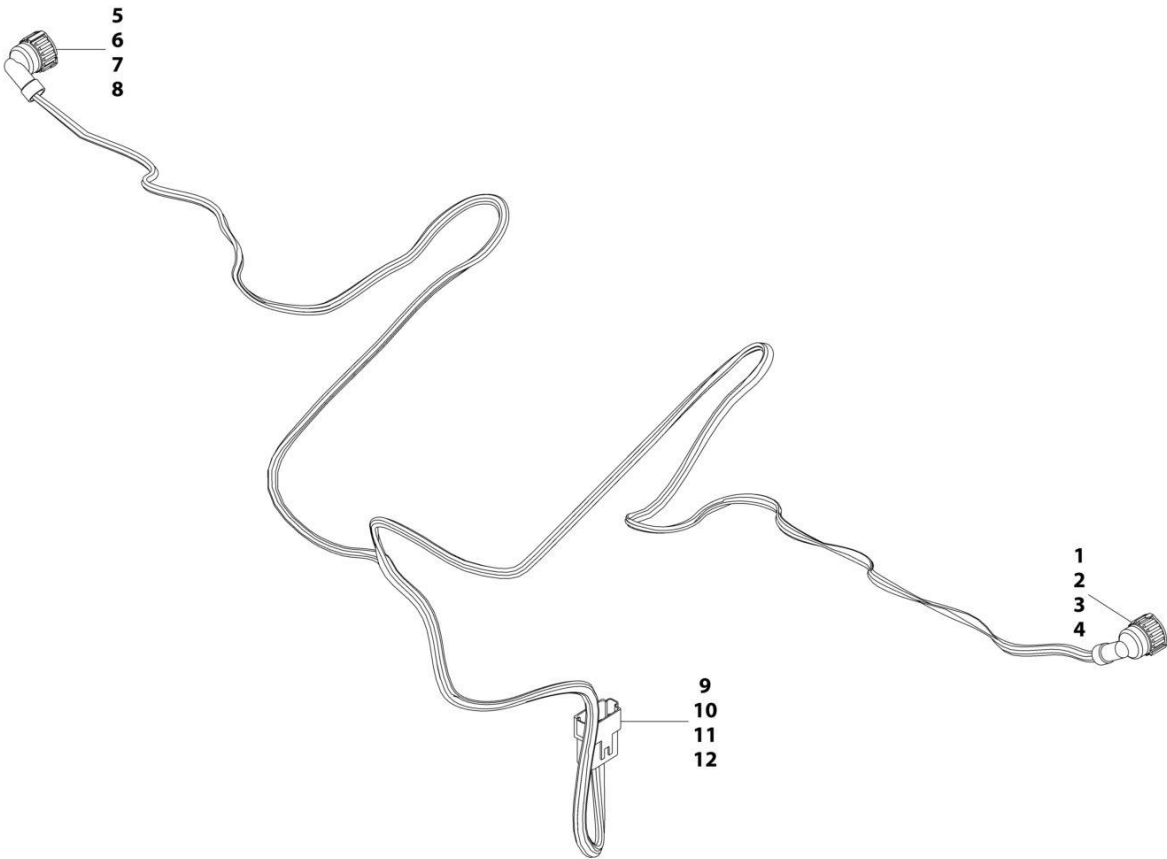
SECTION 10 - ELECTRICAL

FIGURE 10-69. LIGHTS - ROADLIGHTS HEADLIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165360	Ref	Front Frame Headlight Harness	D
1	4460970	1	Connector	
2	80363179	1	Lock, Connector	
3	4460941	10	Terminal	
4	4460466	2	Plug	
5	4460894	1	Connector	
6	91504107	1	Lock, Connector	
7	4460942	5	Terminal	
8	4460466	1	Plug	
9	4460894	1	Connector	
10	91504107	1	Lock, Connector	
11	4460942	5	Terminal	
12	4460466	1	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-70. LIGHTS - ROADLIGHTS TAILLIGHTS HARNESS



ART_1001173092-D

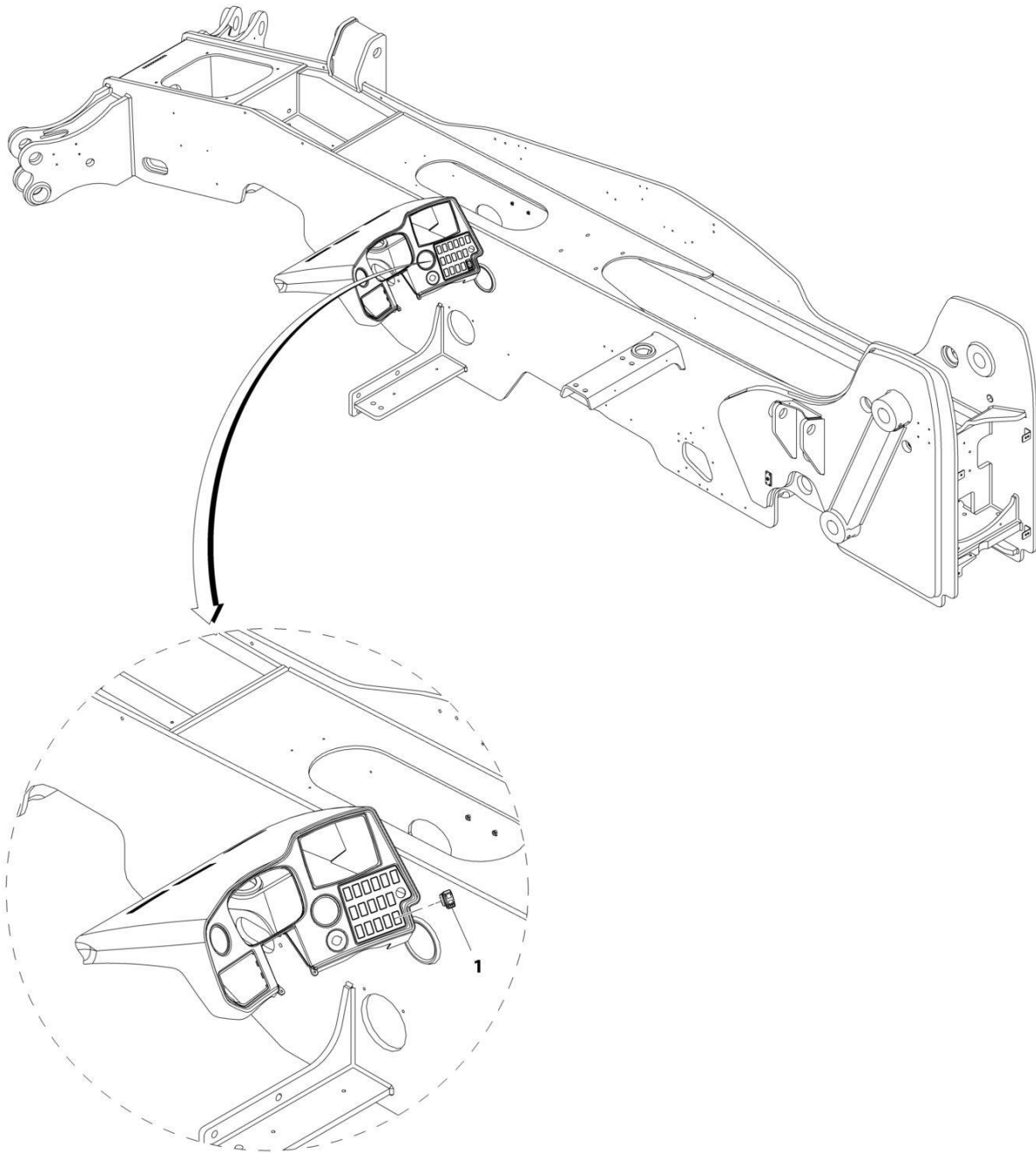
SECTION 10 - ELECTRICAL

FIGURE 10-70. LIGHTS - ROADLIGHTS TAILLIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173092	Ref	HBP Tail Lights Harness	D
1	1001116996	1	Connector	
2	1001118392	5	Terminal	
3	4461054	5	Seal	
4	1001116696	2	Plug	
5	1001116996	1	Connector	
6	1001118392	5	Terminal	
7	4461054	5	Seal	
8	1001116696	2	Plug	
9	4460970	1	Connector	
10	80363179	1	Lock, Connector	
11	4460941	10	Terminal	
12	4460466	2	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-71. LIGHTS - SWITCH INSTALLATION



ART_100197282-A

SECTION 10 - ELECTRICAL

FIGURE 10-71. LIGHTS - SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001197282	Ref	Switch Light Installation	A
	1001163639	1	Switch, Driving Lights	

SECTION 10 - ELECTRICAL

FIGURE 10-72. LSI HARNESS - BOOM RETRACT



ART_1001259062-A

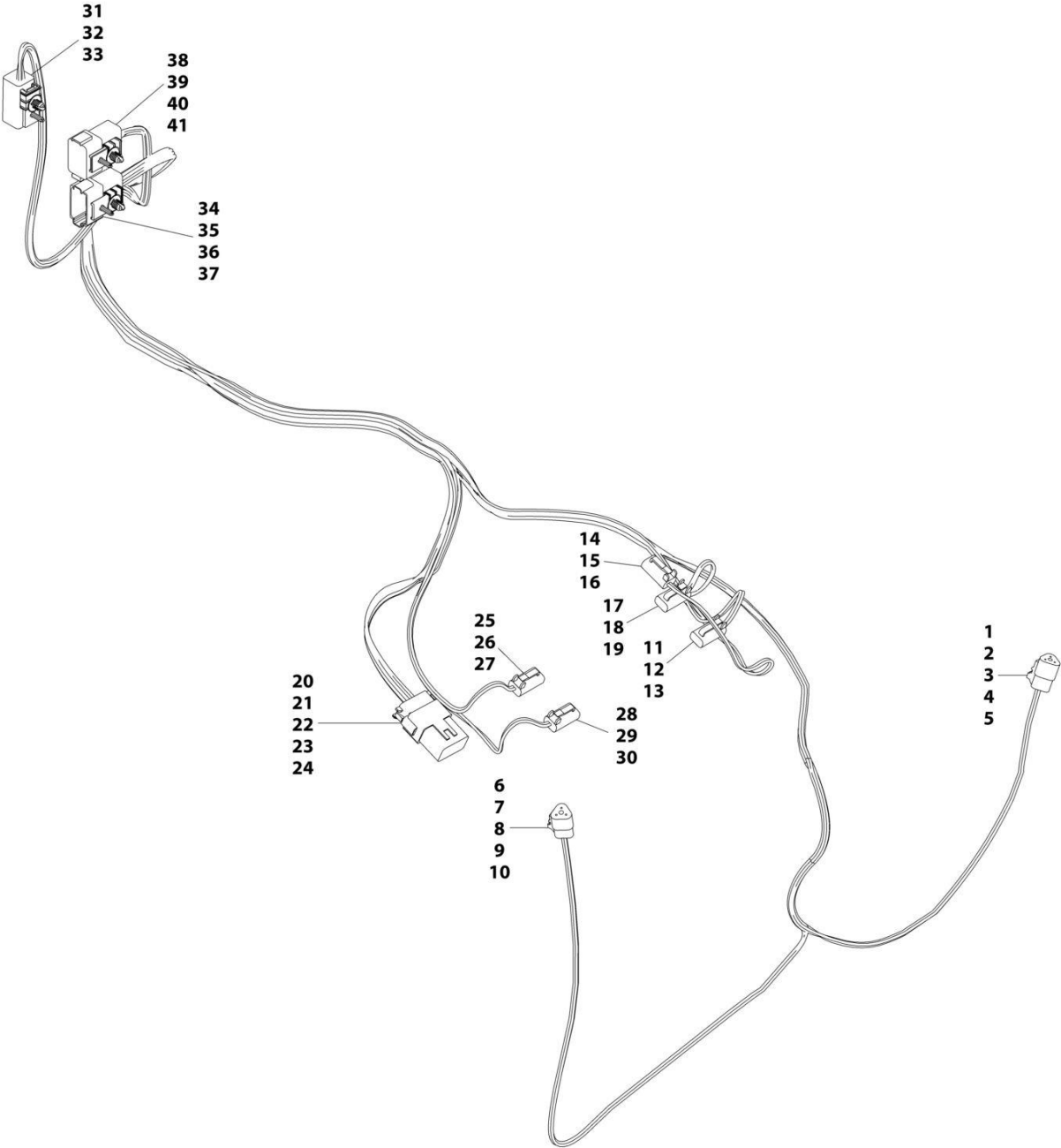
SECTION 10 - ELECTRICAL

FIGURE 10-72. LSI HARNESS - BOOM RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259062	Ref	Boom Retract Harness	B
1	4461262	1	Connector	
2	1001107854	3	Terminal	
3	1001104498	3	Seal	
4	4460932	1	Connector	
5	4460464	3	Terminal	
6	4460466	1	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-73. OUTRIGGER HARNESS



ART_1001172822-E

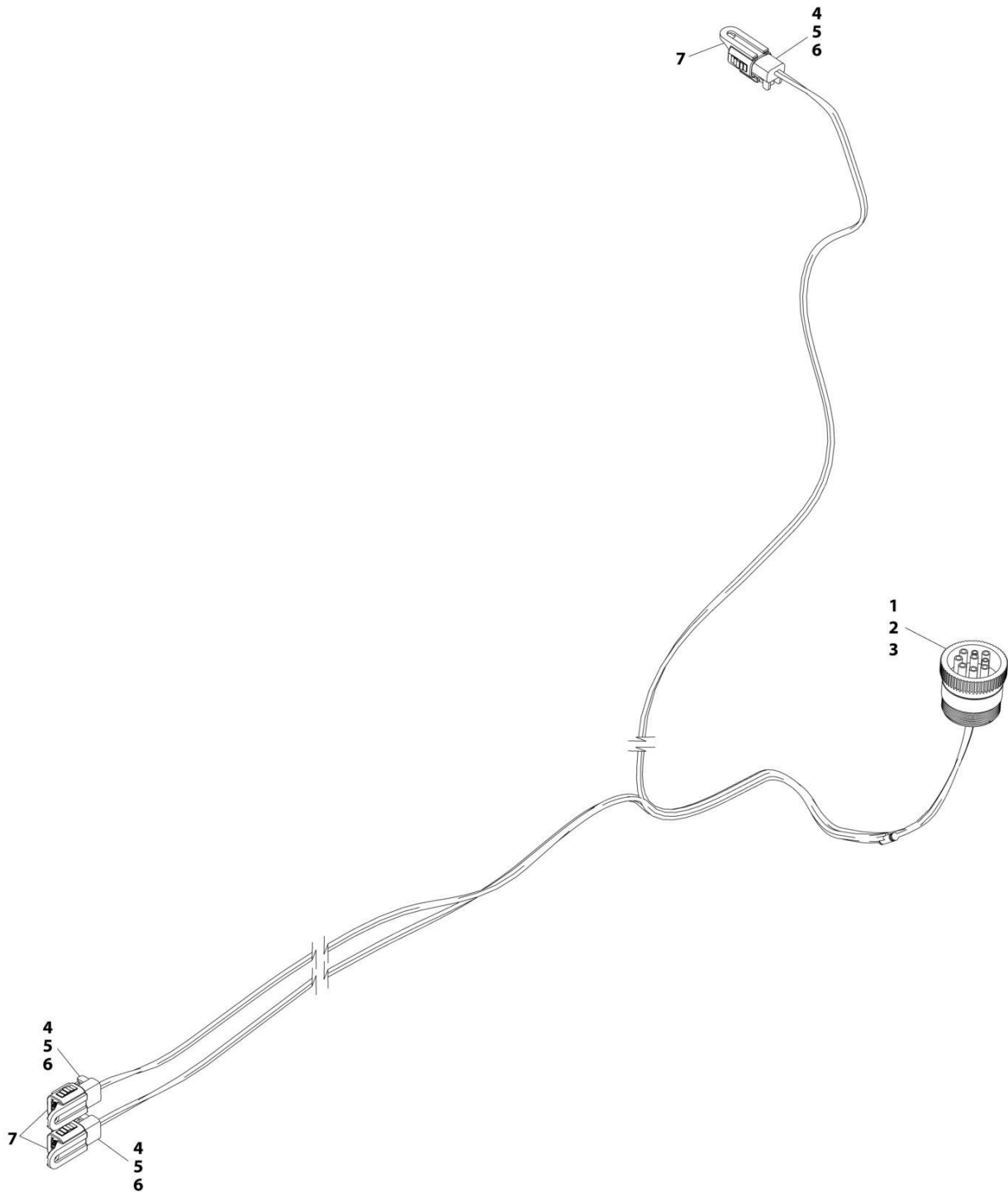
SECTION 10 - ELECTRICAL

FIGURE 10-73. OUTRIGGER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172822	Ref	Outrigger Harness	E
1	4460539	1	Connector	
2	77363244	1	Lock, Secondary	
3	4460536	1	Terminal, 3 Pin Male	
4	4460465	3	Terminal	
5	4460466	1	Plug	
6	4460539	1	Connector	
7	77363244	1	Lock, Secondary	
8	4460536	1	Terminal, 3 Pin Male	
9	4460465	3	Terminal	
10	4460466	1	Plug	
11	4460891	1	Connector	
12	80604018	1	Lock, Secondary	
13	4460465	2	Terminal	
14	4460891	1	Connector	
15	80604018	1	Lock, Secondary	
16	4460465	2	Terminal	
17	4460891	1	Connector	
18	80604018	1	Lock, Secondary	
19	4460465	2	Terminal	
20	4460933	1	Connector	
21	80604016	1	Lock, Secondary	
22	4460970	1	Terminal, Receptacle	
23	4460942	10	Terminal	
24	4460466	2	Plug	
25	4460891	1	Connector	
26	80604018	1	Lock, Secondary	
27	4460465	2	Terminal	
28	4460891	1	Connector	
29	80604018	1	Lock, Secondary	
30	4460465	2	Terminal	
31	4460899	1	Connector	
32	80604022	1	Lock, Secondary	
33	4460464	6	Terminal	
34	4460970	1	Connector	
35	80363179	1	Lock, Secondary	
36	4460941	10	Terminal	
37	4460466	2	Plug	
38	4460950	1	Connector	
39	80363179	1	Lock, Secondary	
40	4460464	7	Terminal	
41	4460466	5	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-74. PLATFORM HARNESS



ART_1001167695-C

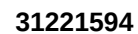
SECTION 10 - ELECTRICAL

FIGURE 10-74. PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167695	Ref	Platform Harness	C
1	1001112796	1	Connector	
2	4460466	5	Terminal	
3	4460465	4	Terminal	
4	4460891	3	Connector, (includes rear seal)	
5	80604018	2	Lock, Connector	
6	4460465	2	Terminal	
7	1001155806	3	Cap, Dust	

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ART_1001168031-E

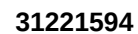
SECTION 10 - ELECTRICAL

FIGURE 10-75. REVERSE CAMERA INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168031	Ref	Reverse Camera Installation	E
1	0700408	2	Bolt, M4X16	
3	3290401	2	Nut, M4X0.7	
5	4811400	2	Washer, M4	
7	1001167017	1	Camera	
9	0760812	3	Bolt, M8X25	
10	4811900	3	Washer, M8	
11	8310686	3	Nut, Retainer M8X12.5	
13	1001171962	1	Cable, Reverse Camera	
14	1001202620	1	Bracket, Reverse Camera Mount	
15	1001202621	1	Bracket, Reverse Camera Mount	
16	1001202622	1	Bracket, Reverse Sun Shield	
17	4031205	4	Bolt, M3X10	

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ART_1001297563

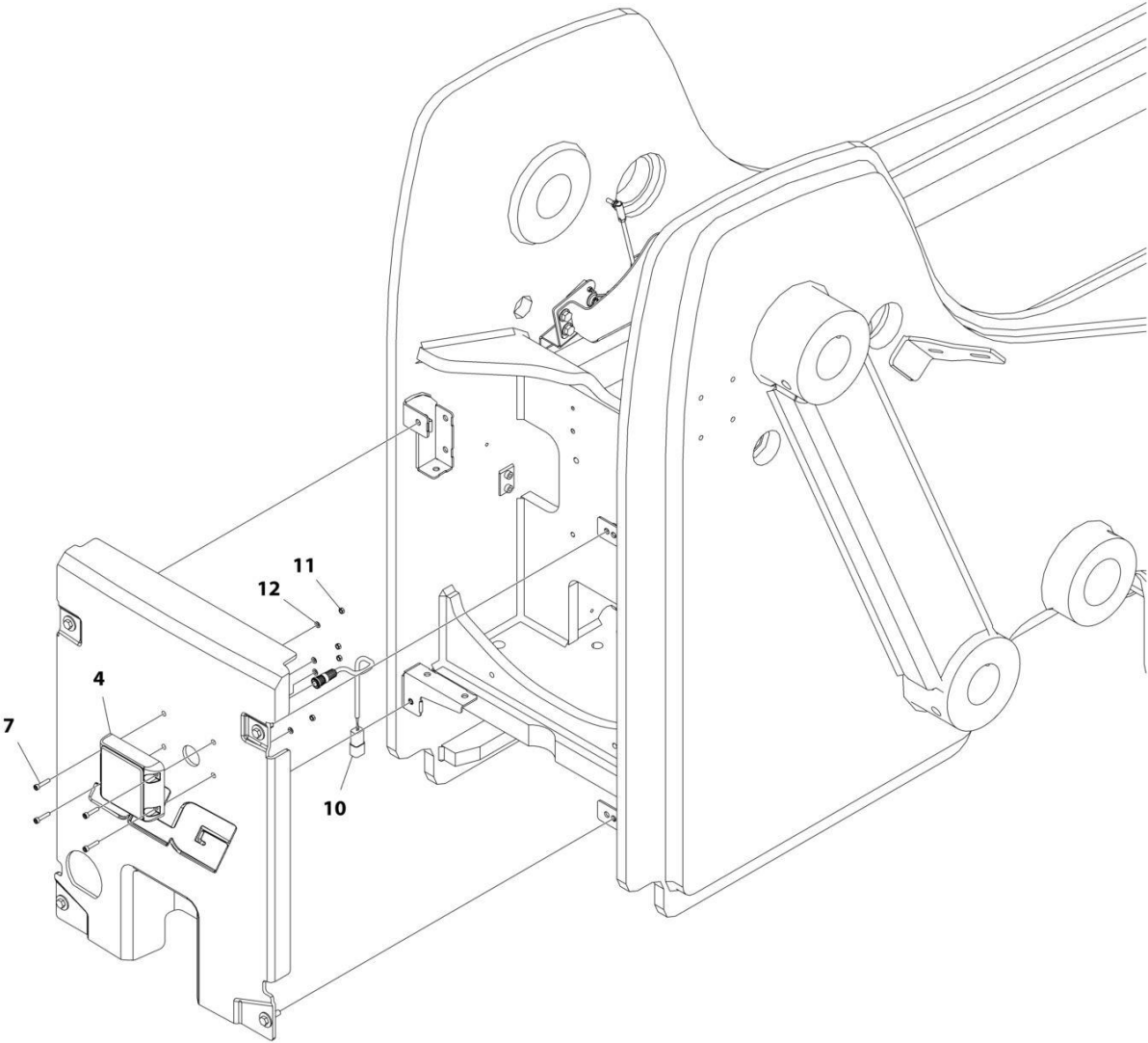
SECTION 10 - ELECTRICAL

FIGURE 10-76. MULTI VIEW CAMERA INSTALLATION (SN 0160122884 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001297563	Ref	MULTI VIEW CAMERA INSTALLATION	A
1	0700408	2	Bolt M4 x 16	
2	0760812	3	Bolt M8 x 25	
3	0761012	8	Bolt M10 x 25	
4	3290401	2	Nut M4	
5	4811400	4	Washer M4	
6	4811900	3	Washer M8	
7	4812000	8	Washer M10	
8	8310686	3	Nut, Retainer M8	
9	1001264534	1	Camera, Side View (LH)	
10	1001264536	1	Camera, Side View (RH)	
11	1001233174	1	Camera, Rear View	
12	1001280434	1	Bracket, Camera (RH)	
13	1001280435	1	Bracket, Camera (LH)	
14	1001291685	1	Bracket, Rear Camera	
15	1001233434	1	Extension Cable Camera Harness	
16	1001265979	1	Extension Cable Camera Harness (LH)	
17	1001265980	1	Extension Cable Camera Harness (RH)	
18	1001289479	1	Quad View Monitor Assembly	C
18A	1001233217	1	Bracket	
18B	1001294608	1	Quad View Monitor Harness	
18C	1001302410	1	Monitor LED Display	

SECTION 10 - ELECTRICAL

FIGURE 10-77. REVERSE SENSOR INSTALLATION



ART_1001172536_I

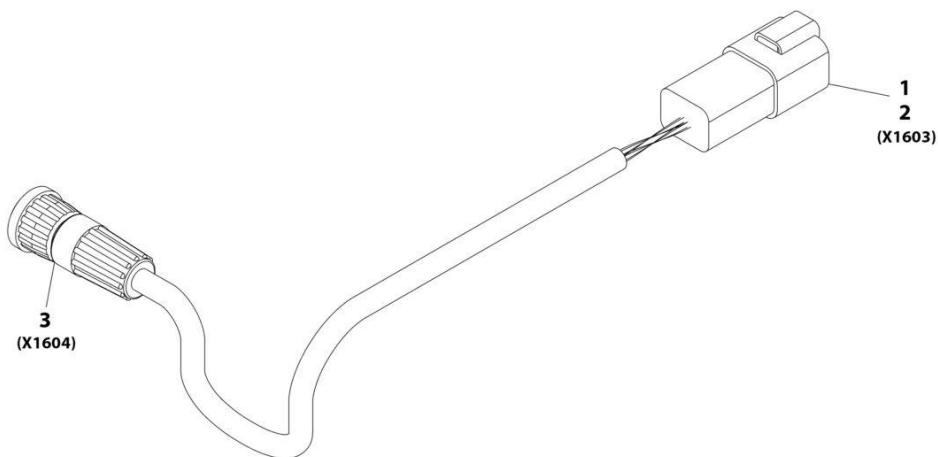
SECTION 10 - ELECTRICAL

FIGURE 10-77. REVERSE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172536	Ref	Reverse Sensor Installation	I
4	1001247421	1	Sensor, Reverse	
7	5271609	4	Screw, M5X25	
10	1001175776	1	Harness, Reverse Sensor (See Separate Breakdown in this Section)	
11	3290501	4	Nut, M5X0.8	
12	4811600	4	Washer, M5	

SECTION 10 - ELECTRICAL

FIGURE 10-78. REVERSE SENSOR HARNESS



ART_1001175776-C

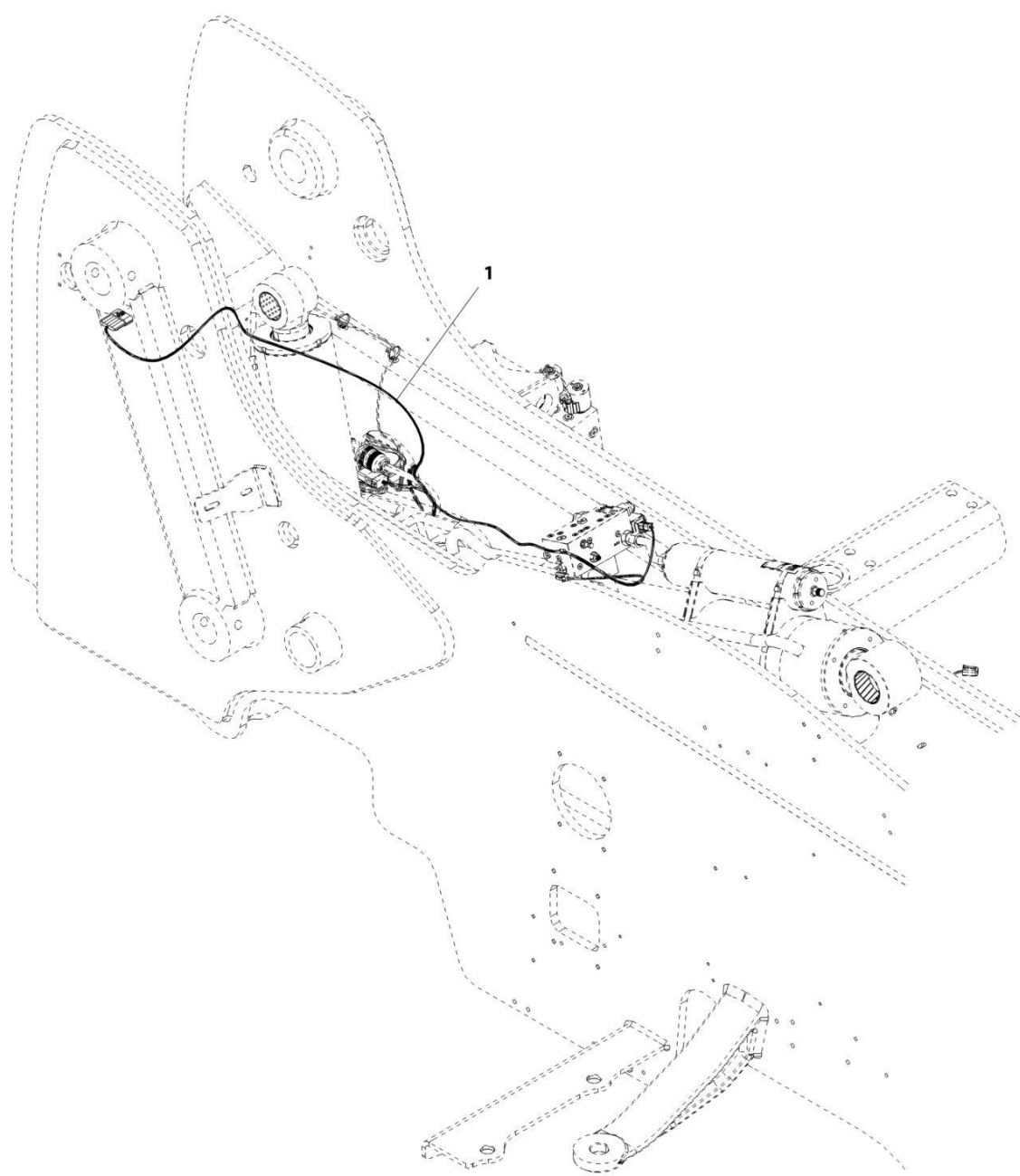
SECTION 10 - ELECTRICAL

FIGURE 10-78. REVERSE SENSOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175776	Ref	Reverse Sensor Harness	C
1	4460932	1	Connector	
2	4460464	4	Terminal	
3	1001175733	1	Connector	

SECTION 10 - ELECTRICAL

FIGURE 10-79. RIDE CONTROL VALVE HARNESS INSTALLATION



ART_1001175677-A

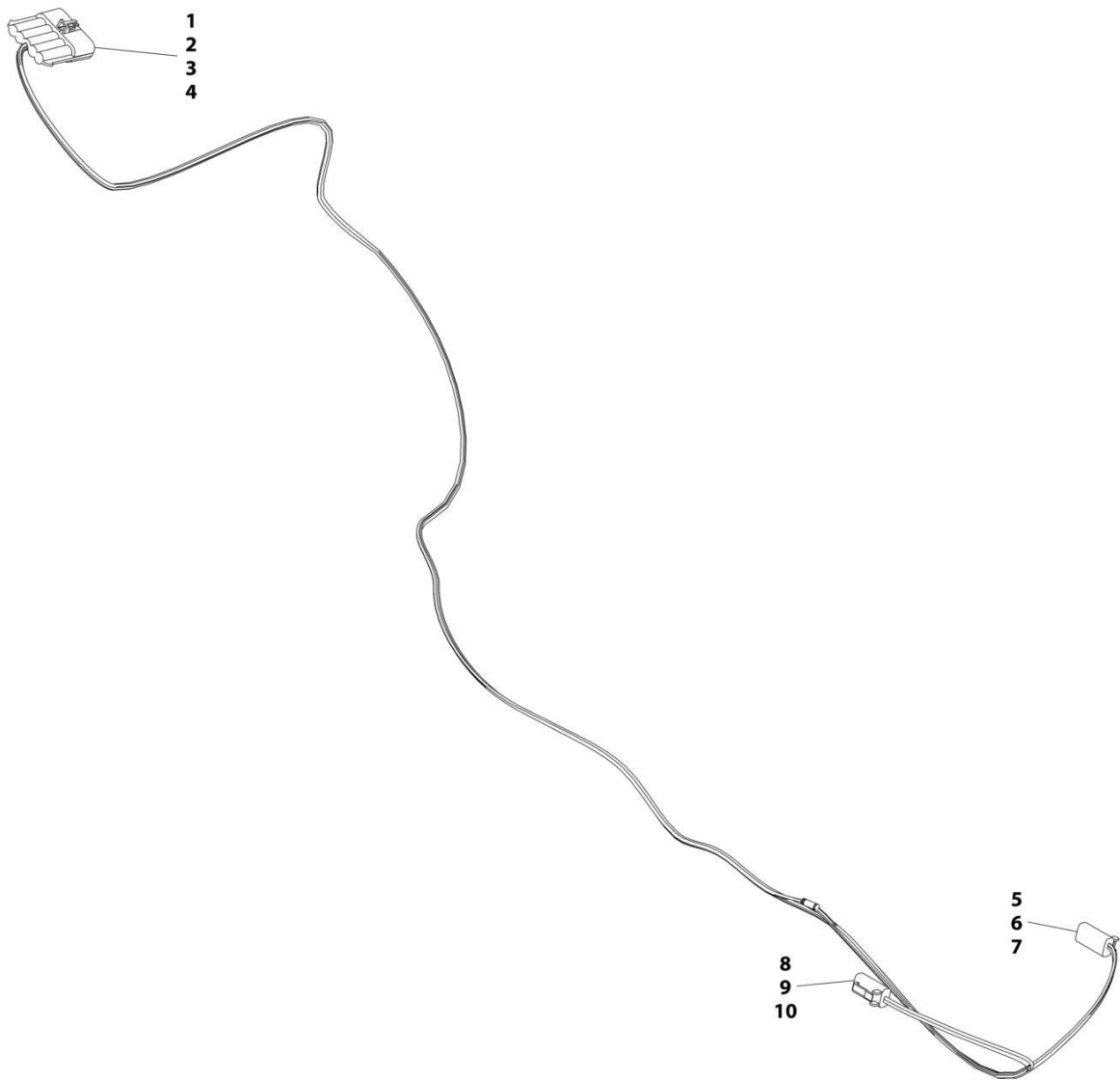
SECTION 10 - ELECTRICAL

FIGURE 10-79. RIDE CONTROL VALVE HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001175677 1001173527	Ref 1	Ride Control CB Valve Harness Installation Harness, Ride Control CB Valve (See Separate Breakdown in this Section)	A

SECTION 10 - ELECTRICAL

FIGURE 10-80. RIDE CONTROL VALVE HARNESS



ART_1001173527-B

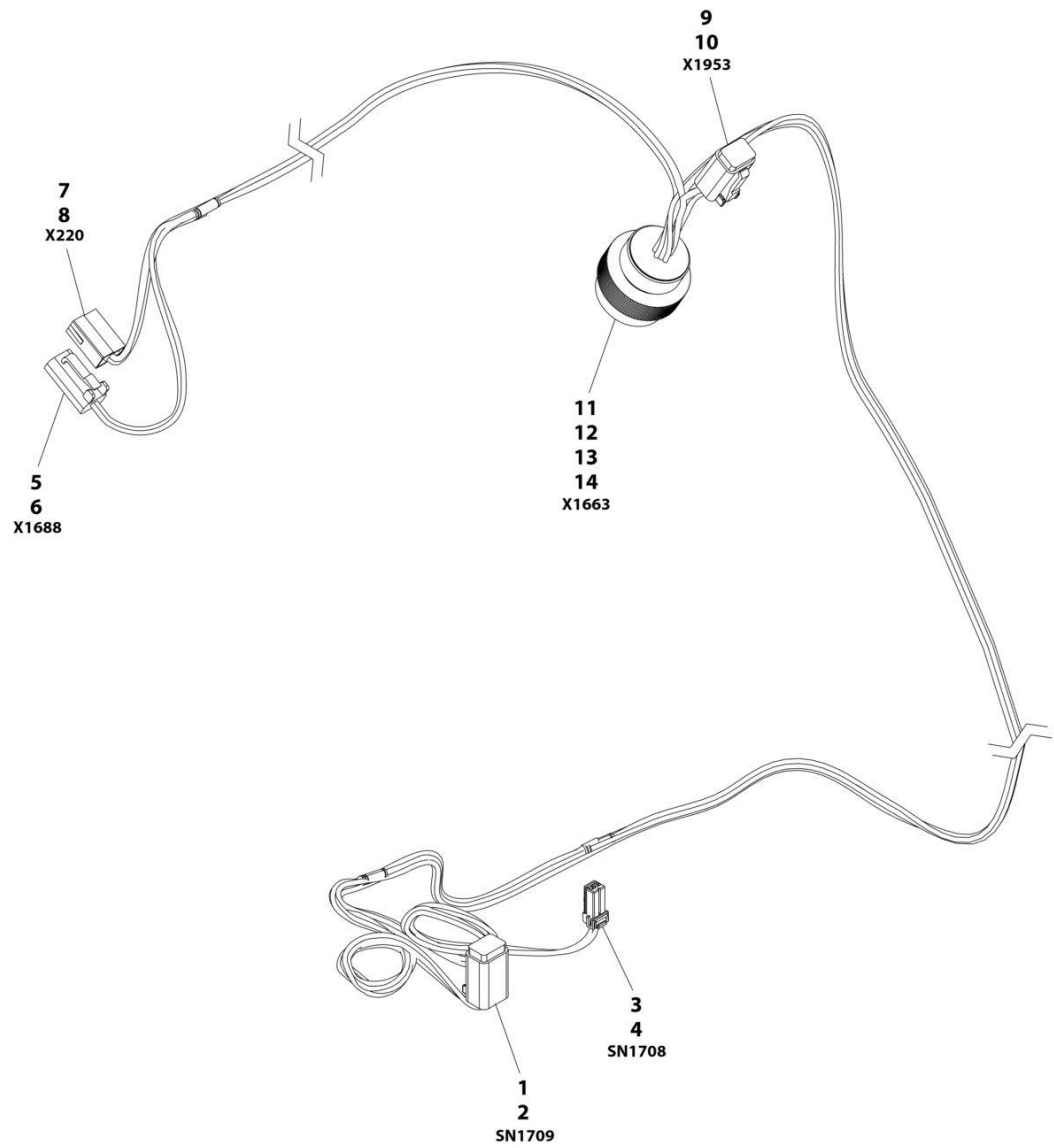
SECTION 10 - ELECTRICAL

FIGURE 10-80. RIDE CONTROL VALVE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173527	Ref	Ride Control CB Valve Harness	B
1	1001121727	1	Connector	
2	1001166727	2	Plug	
3	1001116745	2	Terminal	
4	1001116729	1	Terminal	
5	4460891	1	Connector	
6	80604018	1	Lock, Secondary	
7	4460465	2	Terminal	
8	4460891	1	Connector	
9	80604018	1	Lock, Secondary	
10	4460465	2	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-81. ROOF PIGTAIL HARNESS



ART_1001265200

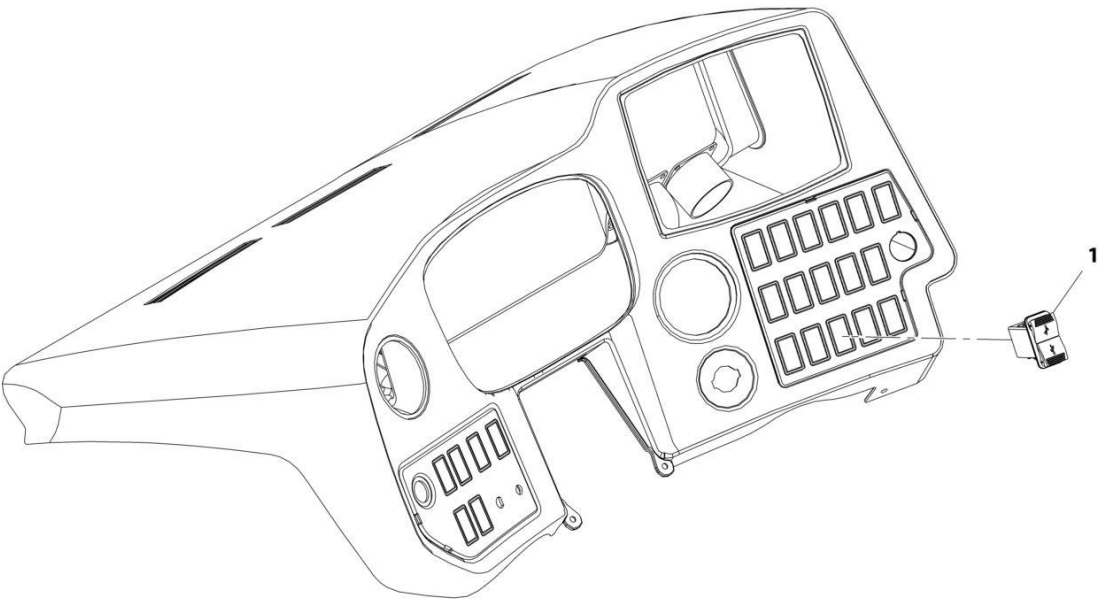
SECTION 10 - ELECTRICAL

FIGURE 10-81. ROOF PIGTAIL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265200	Ref	Roof Pigtail Harness	A
1	4460884	1	Connector	
2	4460465	4	Terminal	
3	1001264844	1	Connector	
4	1001264861	2	Terminal	
5	4460891	1	Connector	
6	4460465	2	Terminal	
7	4460994	1	Connector	
8	1001118384	2	Terminal	
9	4460884	1	Connector	
10	4460942	4	Terminal	
11	4461015	1	Connector	
12	4460942	6	Terminal	
13	4460465	5	Terminal	
14	4460466	3	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-82. USB CHARGER INSTALLATION



ART_1001200152-A

SECTION 10 - ELECTRICAL

FIGURE 10-82. USB CHARGER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001200152	Ref	USB Charger Installation	A
	1001174712	1	USB Charger Assembly	

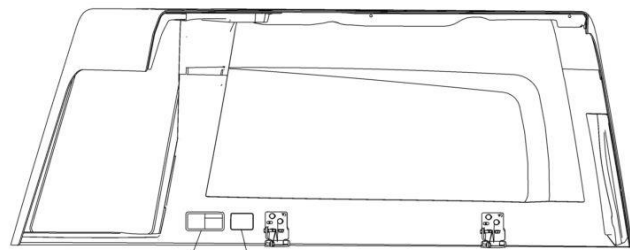
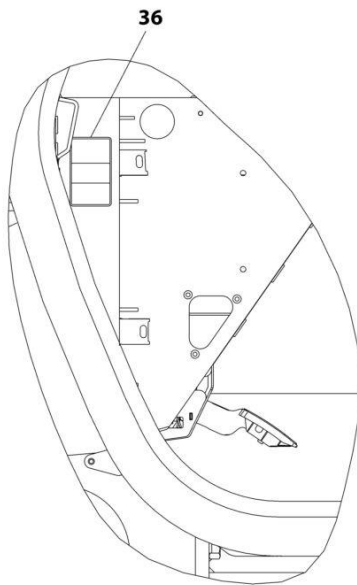
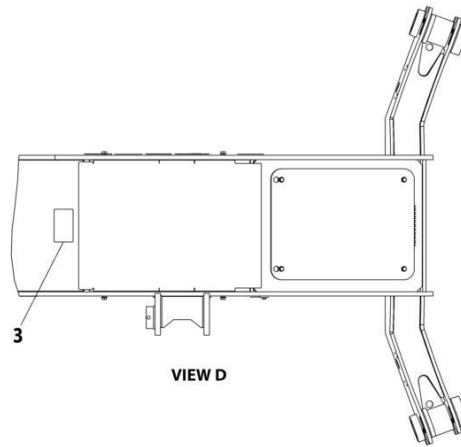
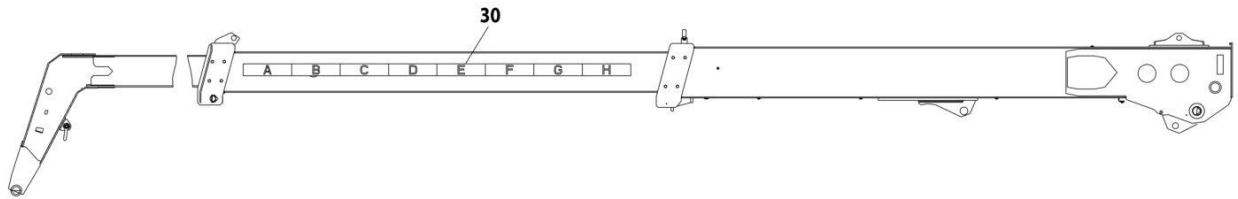
SECTION 11 - DECALS

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SECTION 11 - DECALS



DETAIL F

DETAIL C

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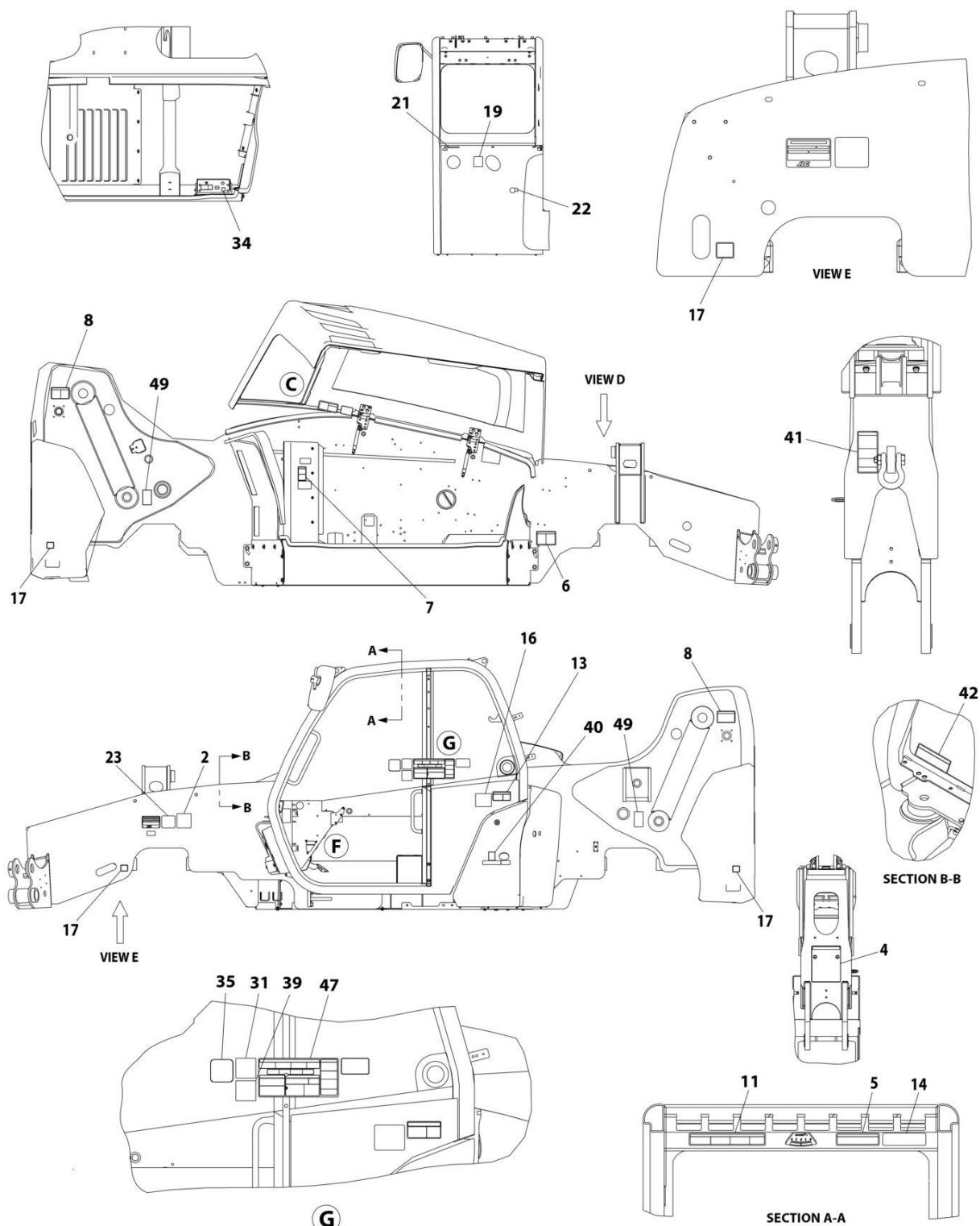
SECTION 11 - DECALS

FIGURE 11-1. DECAL INSTALLATION (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173429	Ref	Decal Installation	P
2	1702631	1	Decal, Bar Code	
3	1706296	1	Decal, Battery Warning	
4	1001195849	1	Decal, Carry Personnel	
5	1706299	1	Decal, Contacting Power Lines Warning	
6	1706300	1	Decal, Ether Warning	
7	1706301	1	Decal, Keep Clear Of Rotating Parts Warning	
8	1706302	2	Decal, Pinch Point Boom Holes	
11	1706306	1	Decal, Tip Over Warning	
13	1706768	1	Decal, Vehicle Roll Away	
14	1706850	1	Decal, Crush Hazard Warning	
16	3251813	1	Decal, USA	
17	4109801	4	Decal, Tie Down Point	
19	1001094708	1	Decal, Hydraulic Oil	
20	1001109053	1	Decal, Coolant Fill	
21	1001218704	1	Decal, Ultra Low Sulfur Diesel	
22	1001130323	1	Decal, Oil Level	
23	1001131271	1	Decal, Patent	
24	1001139578	1	Decal, Hot Fluid Warning	
26	1001229575	1	Decal, Nameplate	
29	1001195855	1	Decal, Battery Disconnect	
30	1001171277	1	Decal, Boom Extend	
31	1001172035	1	Decal, No Weld or Drill	
32	1001173422	1	Decal, MCO 110HP	
34	1001184632	1	Decal, Battery Positive	
35	1001188372	1	Decal, Sway	
36	1001191229	1	Decal, Fuse Panel	
39	1001200101	1	Decal, Manual	
40	1001196806	1	Decal, Diesel Exhaust Fluid	
41	1001207217	1	Decal, Danger Swinging Loads	
42	1001218659	1	Decal, Brake Fluid	
43	1001219212	1	Decal, DEF Fluid	
44	1001223453	1	Decal, ICES	
45	1001009178	4	Decal, Track Metal	
46	1001230310	1	Decal, JLG DEF Tank Service	
48	1001231801	1	Decal, Warning Prop 65 Diesel	
49	1001222650	2	Decal, Axle Lift	

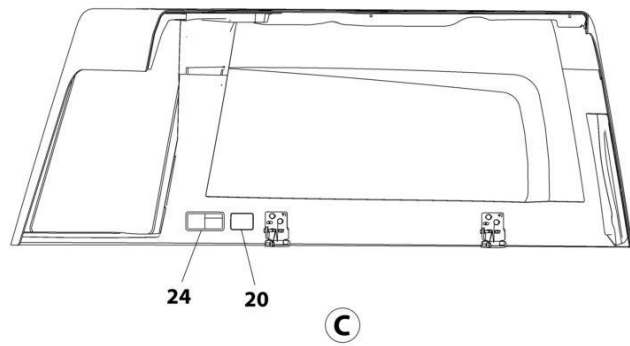
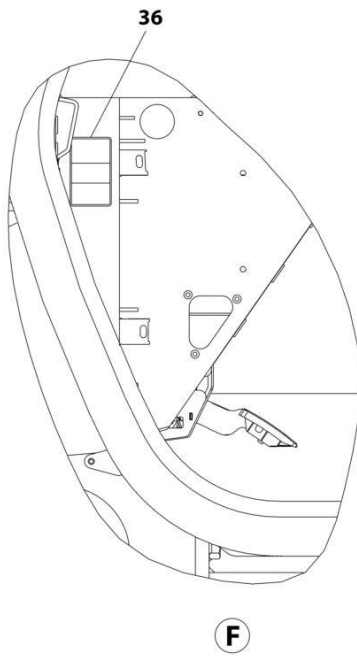
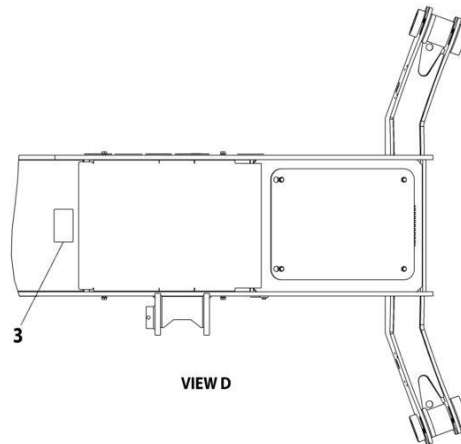
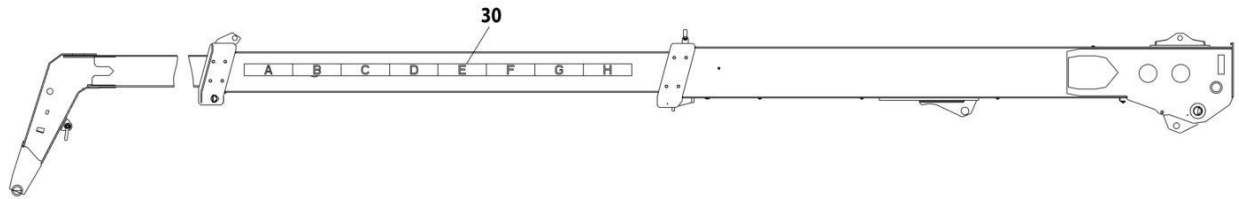
SECTION 11 - DECALS

FIGURE 11-2. DECAL INSTALLATION HRC 110HP



ART_1001296815_10F2

SECTION 11 - DECALS



ART_1001296815_2OF2

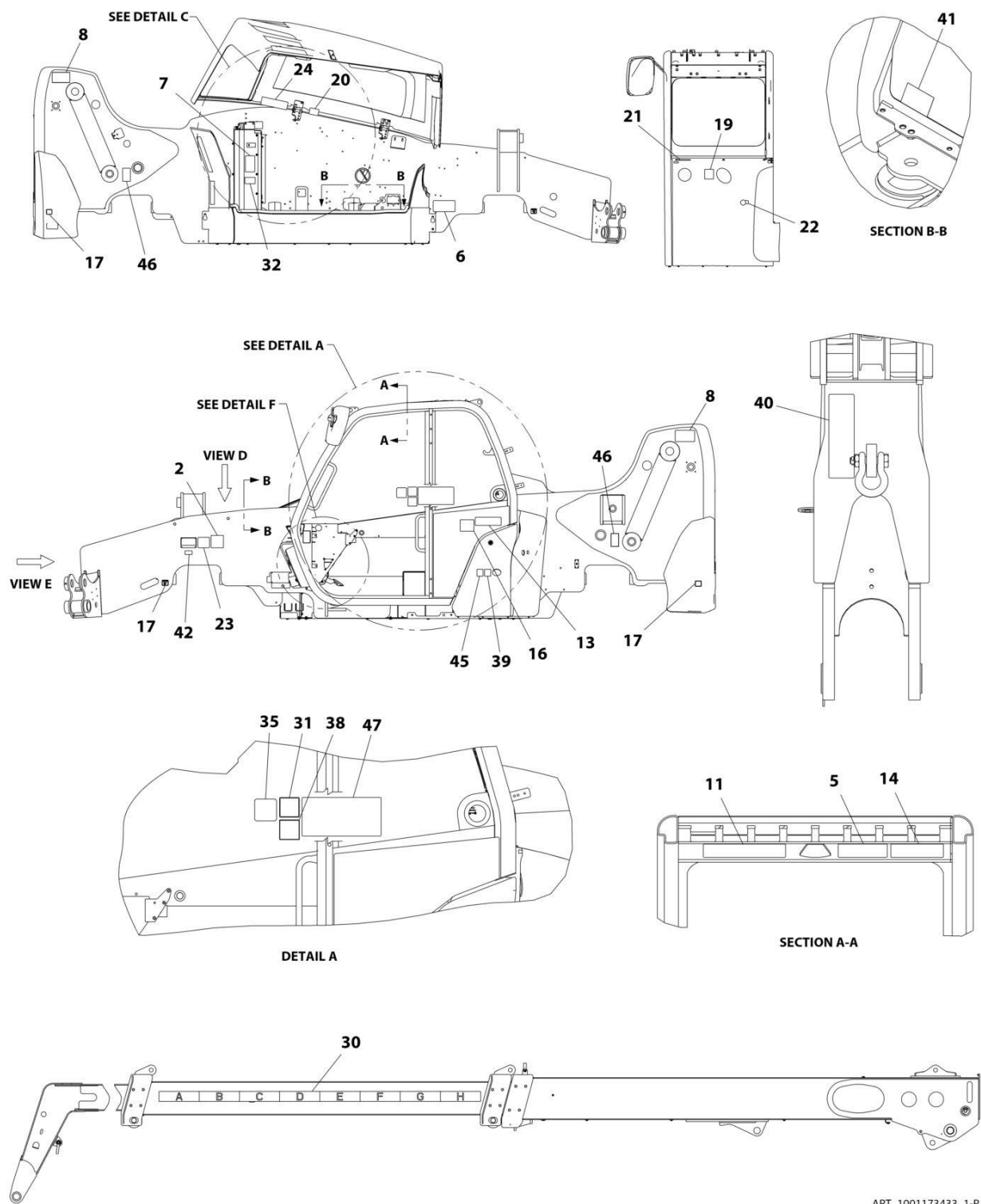
SECTION 11 - DECALS

FIGURE 11-2. DECAL INSTALLATION HRC 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296815	Ref	DECAL INSTALLATION HRC 110HP	A
2	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
3	1706281	1	Decal - Battery Warning (ISO)	
4	1706282	1	Decal - Carry Personnel	
5	1706284	1	Decal - Electrocution Hazard (ISO)	
6	1706098	1	Decal - Warning Ether Start	
7	1706285	1	Decal - Moving Parts (ISO)	
8	1706292	2	Decal - Pinch Point	
11	1706288	1	Decal - Tip Over Warning	
13	1001092878	1	Decal - No Riders	
14	1001092877	1	Decal - Crush Hazard Warning	
16	3251813	1	Decal - USA	
17	4109801	4	Decal - Tie Down	
19	1001094708	1	Decal - Hydraulic Oil	
20	1001109053	1	Decal - Coolant Fill	
21	1001218704	1	Decal - Ultra Low Sulfur Diesel	
22	1001130323	1	Decal - Oil Level	
23	1001131271	1	Decal - Patent Telehandlers	
24	1001139942	1	Decal - Hot Fluid Warning	
30	1001171277	1	Decal - Boom Extend	
31	1001172035	1	Decal - No Weld or Drill	
34	1001184632	1	Decal - Battery Positive	
35	1001188372	1	Decal - Sway	
36	1001191229	1	Decal - Fuse Panel	
39	1001200101	1	Decal - Manual Location	
40	1001196806	1	Decal - Diesel Exhaust Fluid	
41	1001207218	1	Decal - Danger Swinging Loads	
42	1001219211	1	Decal - Brake Fluid Spec	
46	1001230310	1	Decal - JLG DEF Tank	
47	1001101895	1	Decal - Warning-Cab	
49	1001222650	2	Decal - Axle Lift	

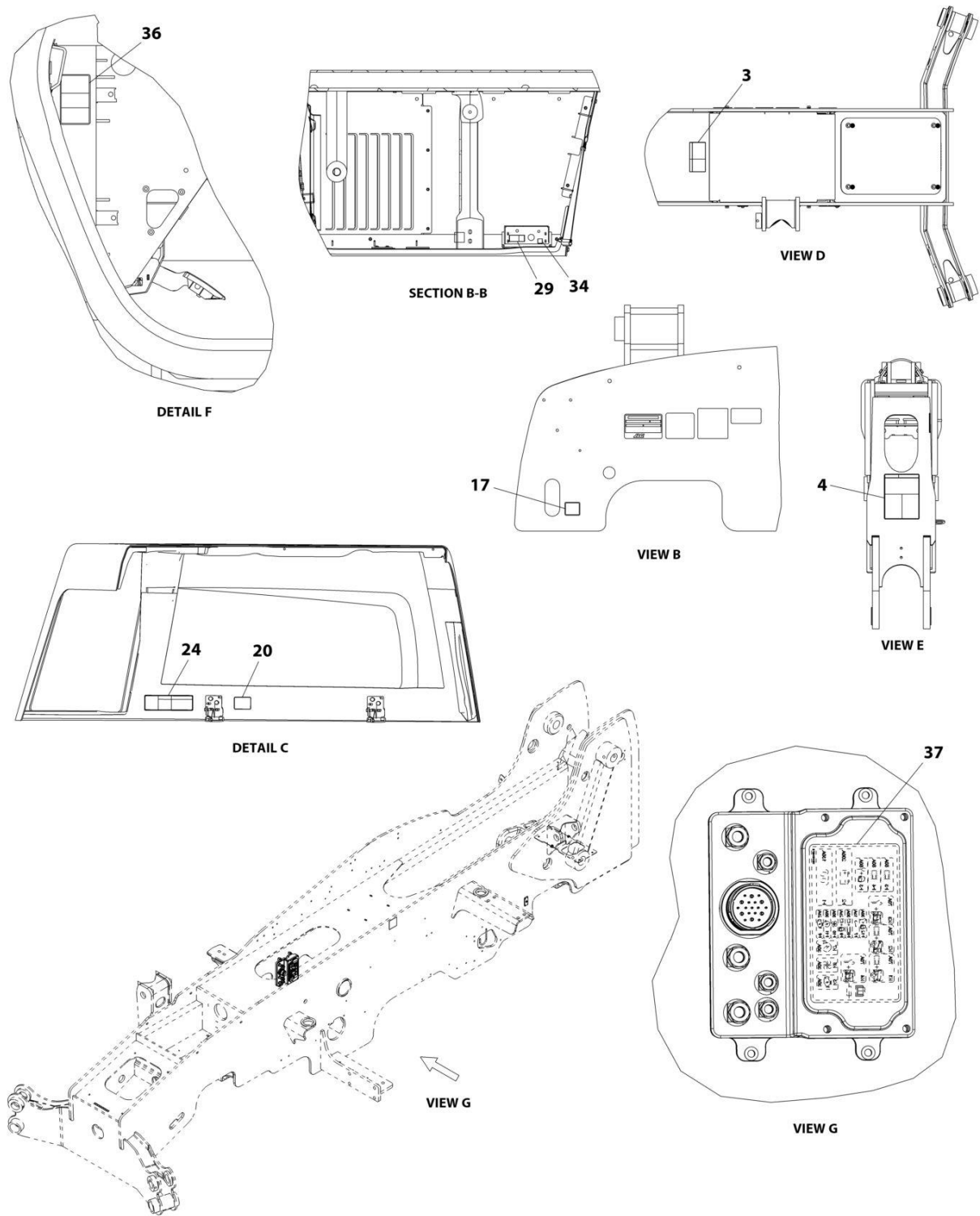
SECTION 11 - DECALS

FIGURE 11-3. DECAL INSTALLATION (CSA ENGLISH/FRENCH)



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SECTION 11 - DECALS



ART_1001173433_2-P

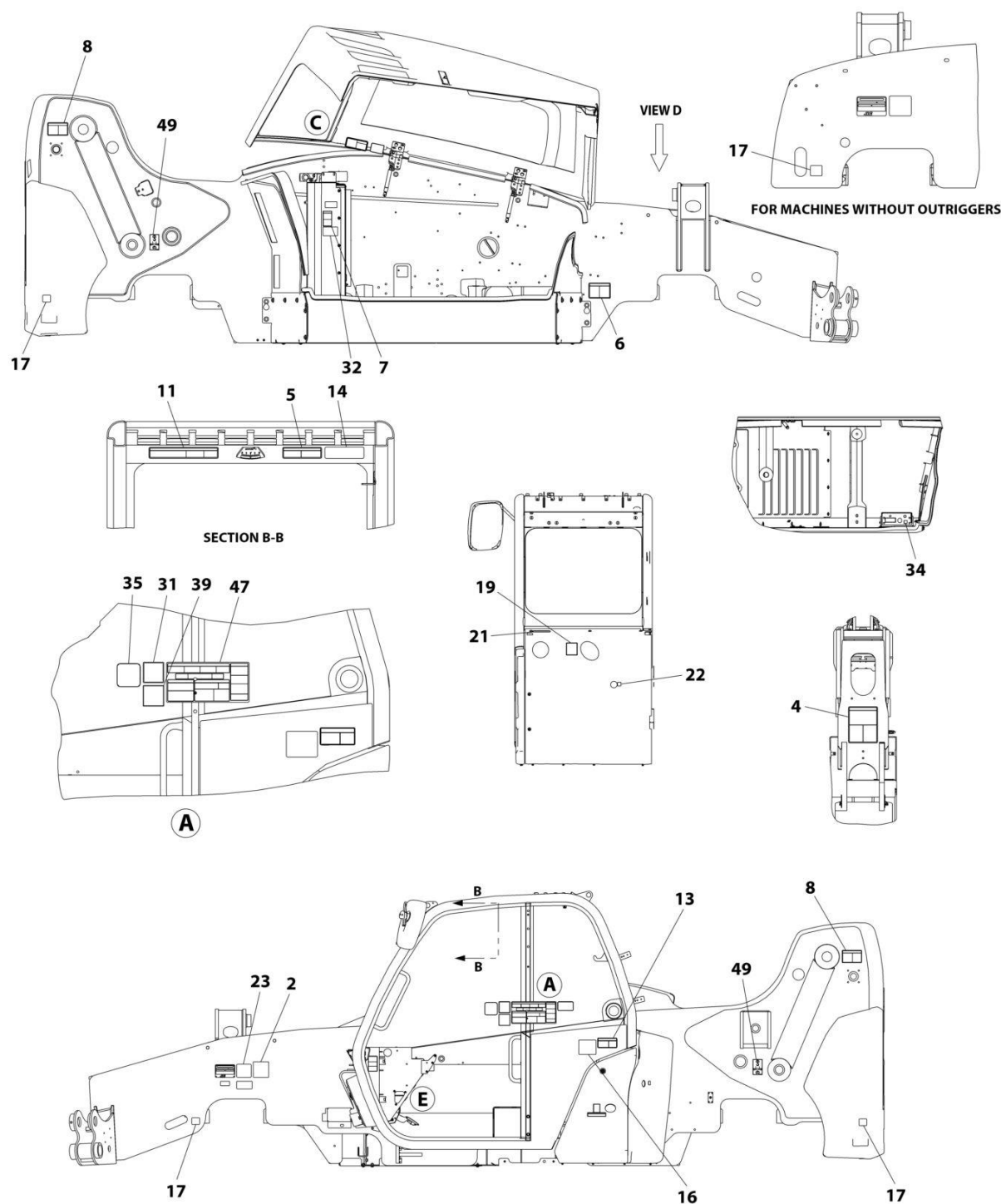
SECTION 11 - DECALS

FIGURE 11-3. DECAL INSTALLATION (CSA ENGLISH/FRENCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173433	Ref	Decal Installation (CSA English/French)	P
2	1702631	1	Decal, Bar Code	
3	1001163174	1	Decal, Battery Warning	
4	1001195851	1	Decal, Carry Personnel	
5	1001163210	1	Decal, Electrocution Hazard	
6	1001163212	1	Decal, Warning No Either	
7	1001163222	1	Decal, Moving Parts	
8	1001163223	2	Decal, Pinch Point	
11	1001163285	1	Decal, Warning Tip Over	
13	1001163300	1	Decal, No Riders	
14	1001163304	1	Decal, Warning Crushing Hazard	
16	3251813	1	Decal, USA	
17	4109801	1	Decal, Tie Down Point	
19	1001094708	1	Decal, Hydraulic Oil	
20	1001109053	1	Decal, Coolant Fill	
21	1001163355	1	Decal, Ultra Low Sulfur Diesel	
22	1001130323	1	Decal, Oil Level	
23	1001131271	1	Decal, Patent	
24	1001163323	1	Decal, Warning Hot Fluid	
26	1001229575	1	Decal, Nameplate	
29	1001195855	1	Decal, Battery Disconnect	
30	1001171277	1	Decal, Boom Extend	
31	1001172035	1	Decal, No Weld Or Drill	
32	1001173422	1	Decal, MCO, 130HP	
34	1001184632	1	Decal, Battery Positive	
35	1001188372	1	Decal, Sway	
36	1001191229	1	Decal, Fuse Panel	
37	1001191487	1	Decal, Fuse Panel (Note: Supply with power distribution box)	
38	1001200101	1	Decal, Manual	
39	1001196806	1	Decal, Diesel Exhaust Fluid	
40	1001209625	1	Decal, Danger Swinging Loads	
41	1001219211	1	Decal, Brake Fluid	
42	1001223453	1	Decal, ICES	
44	1001009178	4	Decal, Track Metal	
45	1001230311	1	Decal DEF Tank	

SECTION 11 - DECALS

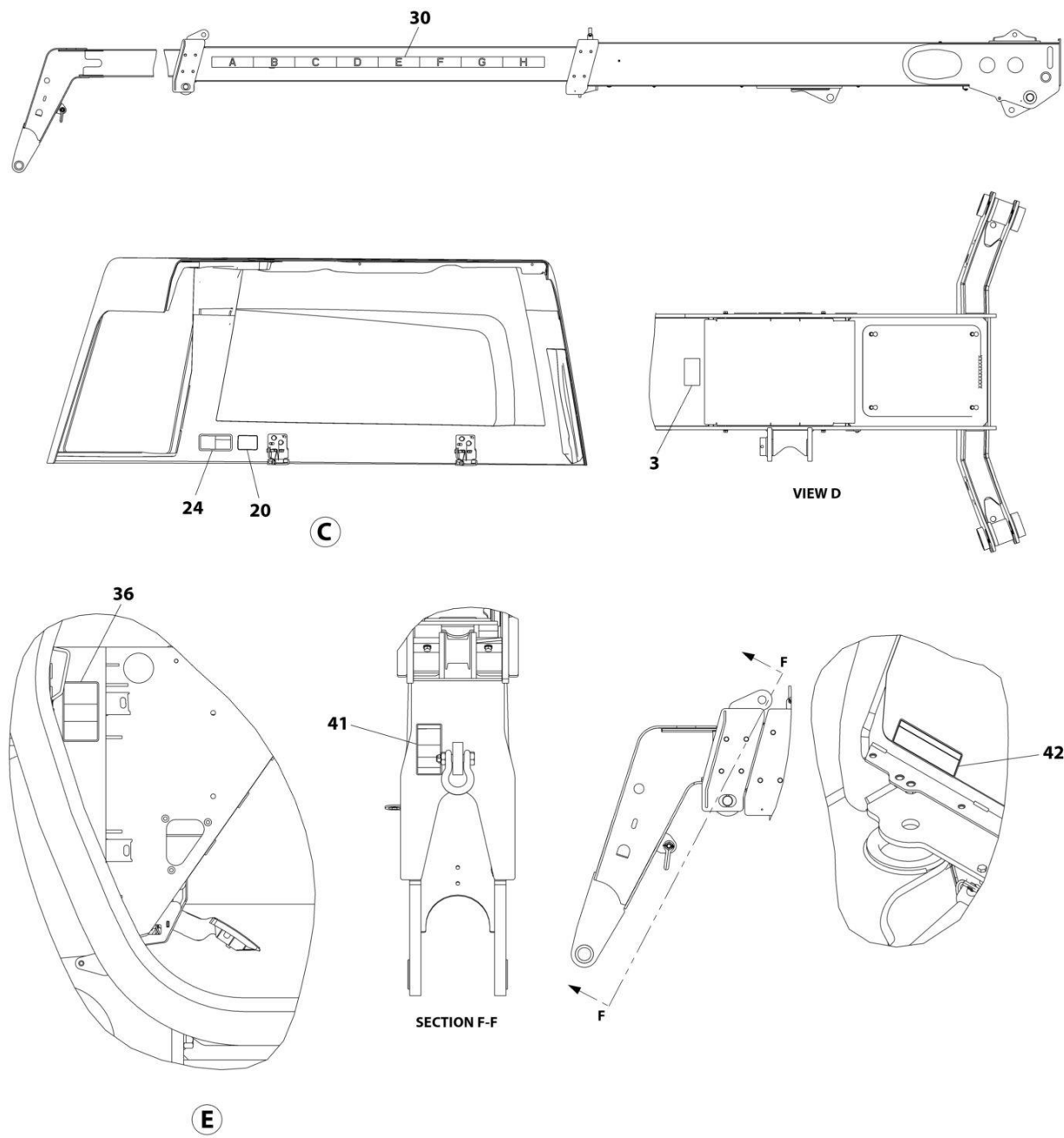
FIGURE 11-4. DECAL INSTALLATION HRC 74HP



ART_1001296825_10F2

SECTION 11 - DECALS

FIGURE 11-5. DECAL INSTALLATION HRC 74HP



ART_1001296825_2OF2

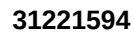
SECTION 11 - DECALS

FIGURE 11-5. DECAL INSTALLATION HRC 74HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296825	Ref	DECAL INSTALLATION HRC 74HP	A
2	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
3	1706281	1	Decal - Battery Warning (ISO)	
4	1706282	1	Decal - Carry Personnel	
5	1706284	1	Decal - Electrocution Hazard (ISO)	
6	1706098	1	Decal - Warning Ether Start	
7	1706285	1	Decal - Moving Parts (ISO)	
8	1706292	2	Decal - Pinch Point	
11	1706288	1	Decal - Tip Over Warning	
13	1001092878	1	Decal - No Riders	
14	1001092877	1	Decal - Crush Hazard Warning	
16	3251813	1	Decal - USA	
17	4109801	4	Decal - Tie Down	
19	1001094708	1	Decal - Hydraulic Oil	
20	1001109053	1	Decal - Coolant Fill	
21	1001218704	1	Decal - Ultra Low Sulfur Diesel	
22	1001130323	1	Decal - Oil Level	
23	1001131271	1	Decal - Patent Telehandlers	
24	1001139942	1	Decal - Hot Fluid Warning	
30	1001171277	1	Decal - Boom Extend	
31	1001172035	1	Decal - No Weld or Drill	
32	1001202626	1	Decal - 74HP SkyTrak	
34	1001184632	1	Decal - Battery Positive	
35	1001188372	1	Decal - Sway	
36	1001191229	1	Decal - Fuse Panel	
39	1001200101	1	Decal - Manual Location	
41	1001207218	1	Decal - Danger Swinging Loads	
42	1001219211	1	Decal - Brake Fluid Spec	
47	1001101895	1	Decal - Warning-Cab	
49	1001222650	2	Decal - Axle Lift	

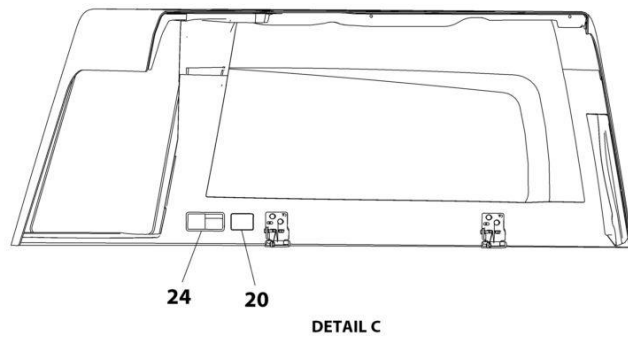
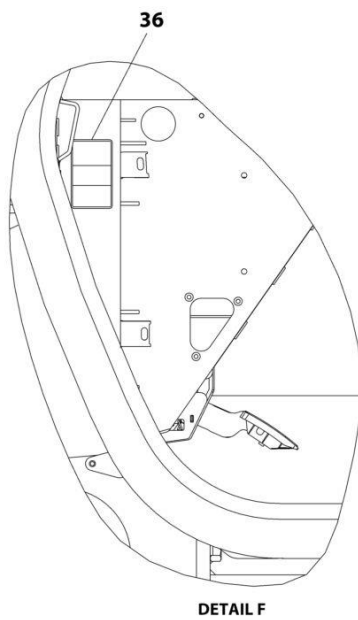
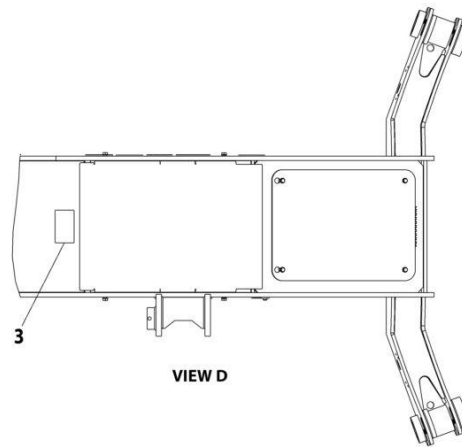
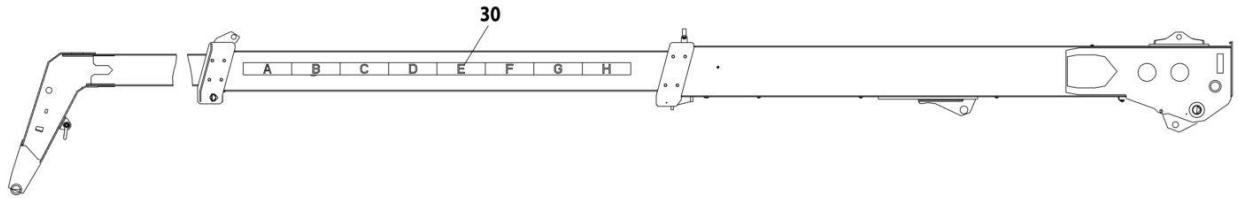
1020

1043



ART_1001173431_1-P

SECTION 11 - DECALS



ART_1001173431_2-P

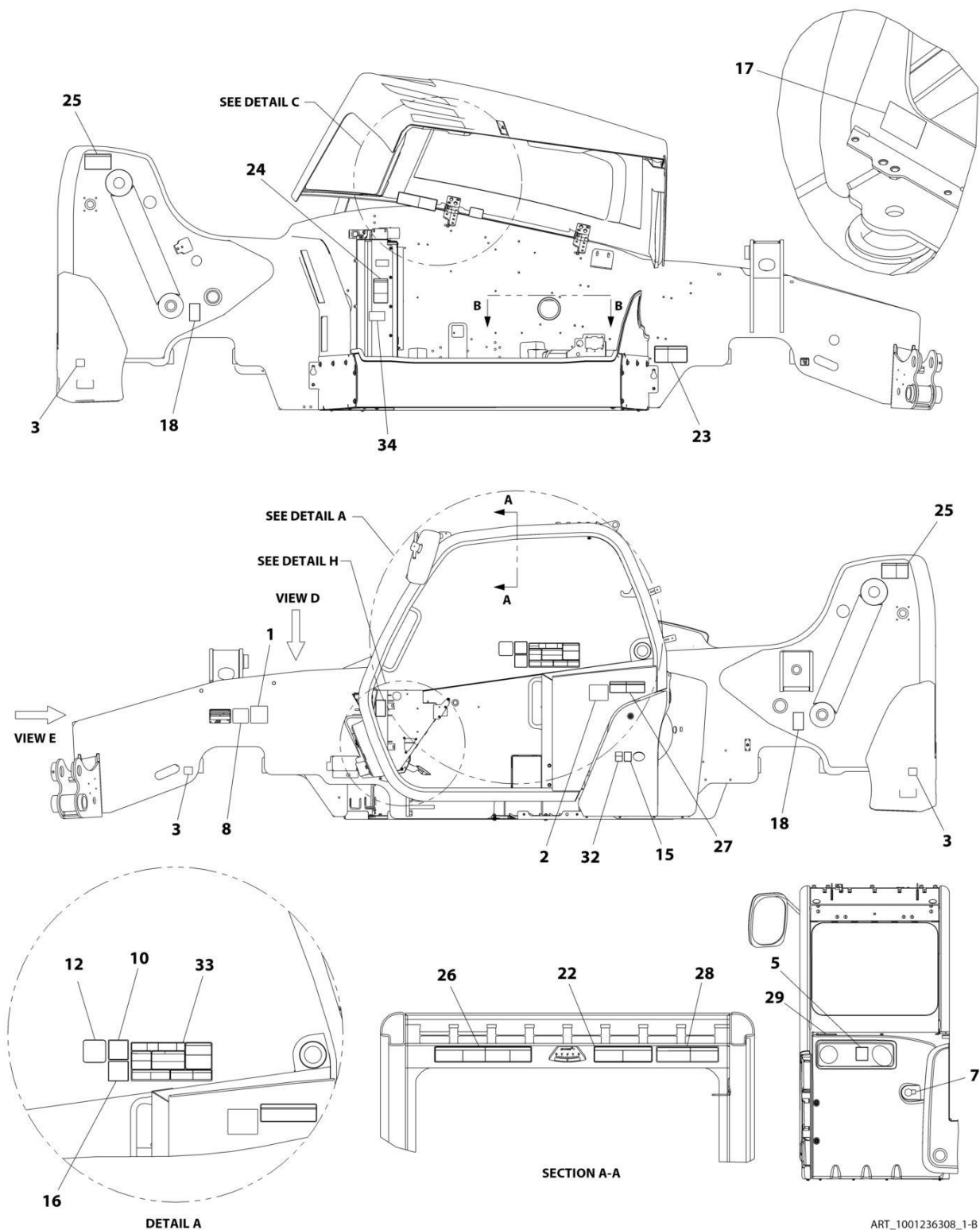
SECTION 11 - DECALS

FIGURE 11-6. DECAL INSTALLATION (ISO)

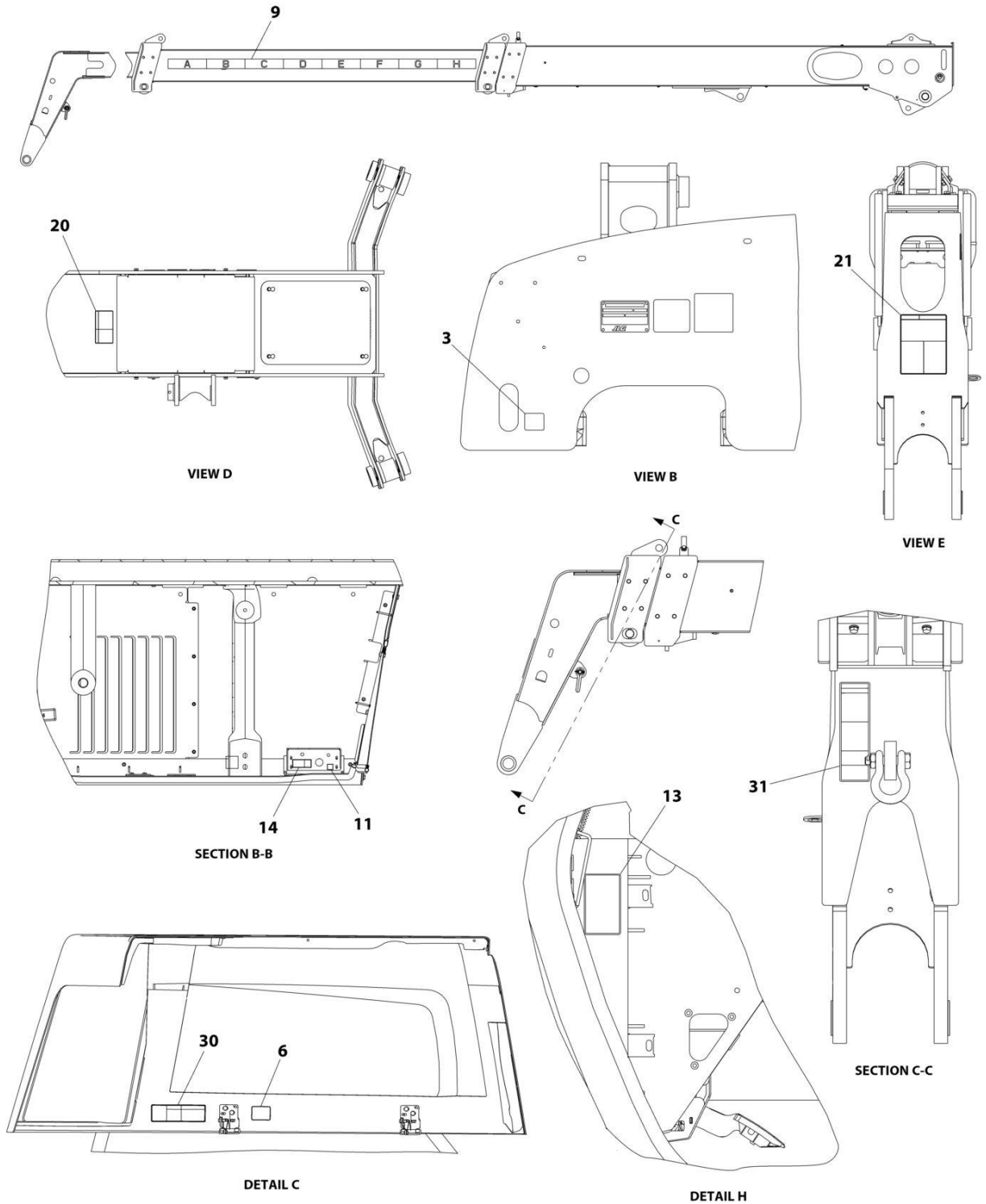
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173431	1	Decal Installation (ISO)	P
2	1702631	1	Decal, Bar Code	
3	1706281	1	Decal, Battery Warning	
4	1706282	1	Decal, Carry Personnel	
5	1706284	1	Decal, Electrocution Hazard	
6	1706098	1	Decal, Ether Warning	
7	1706285	1	Decal, Keep Clear of Rotating Parts Warning	
8	1706292	2	Decal, Pinch Point Boom Holes	
11	1706288	1	Decal, Tip Over Warning	
13	1001092878	1	Decal, No Riders	
14	1001092877	1	Decal, Crush Hazard Warning	
16	3251813	1	Decal, USA	
17	4109801	4	Decal, Tie Down Point	
19	1001094708	1	Decal, Hydraulic Oil	
20	1001109053	1	Decal, Coolant Fill	
22	1001130323	1	Decal, Oil Level	
23	1001131271	1	Decal, Patent	
24	1001139942	1	Decal, Hot Fluid Warning	
25	1001143852	1	Decal, EPA (LS)	
26	1001229575	1	Decal, Nameplate	
30	1001171277	1	Decal, Boom Extend	
31	1001172035	1	Decal, No Weld or Drill	
32	1001173422	1	Decal, MCO 110HP	
34	1001184632	1	Decal, Battery Positive	
35	1001188372	1	Decal, Sway	
36	1001191229	1	Decal, Fuse Panel	
39	1001200101	1	Decal, Manual	
41	1001207218	1	Decal, Danger Swinging Loads	
42	1001219211	1	Decal, Brake Fluid	
45	1001009178	4	Decal, Track Metal	
49	1001222650	2	Decal, Axle Lift	

SECTION 11 - DECALS

FIGURE 11-7. DECAL INSTALLATION (LATIN AMERICAN ENGLISH/SPANISH)



SECTION 11 - DECALS



ART_1001236308_2-B

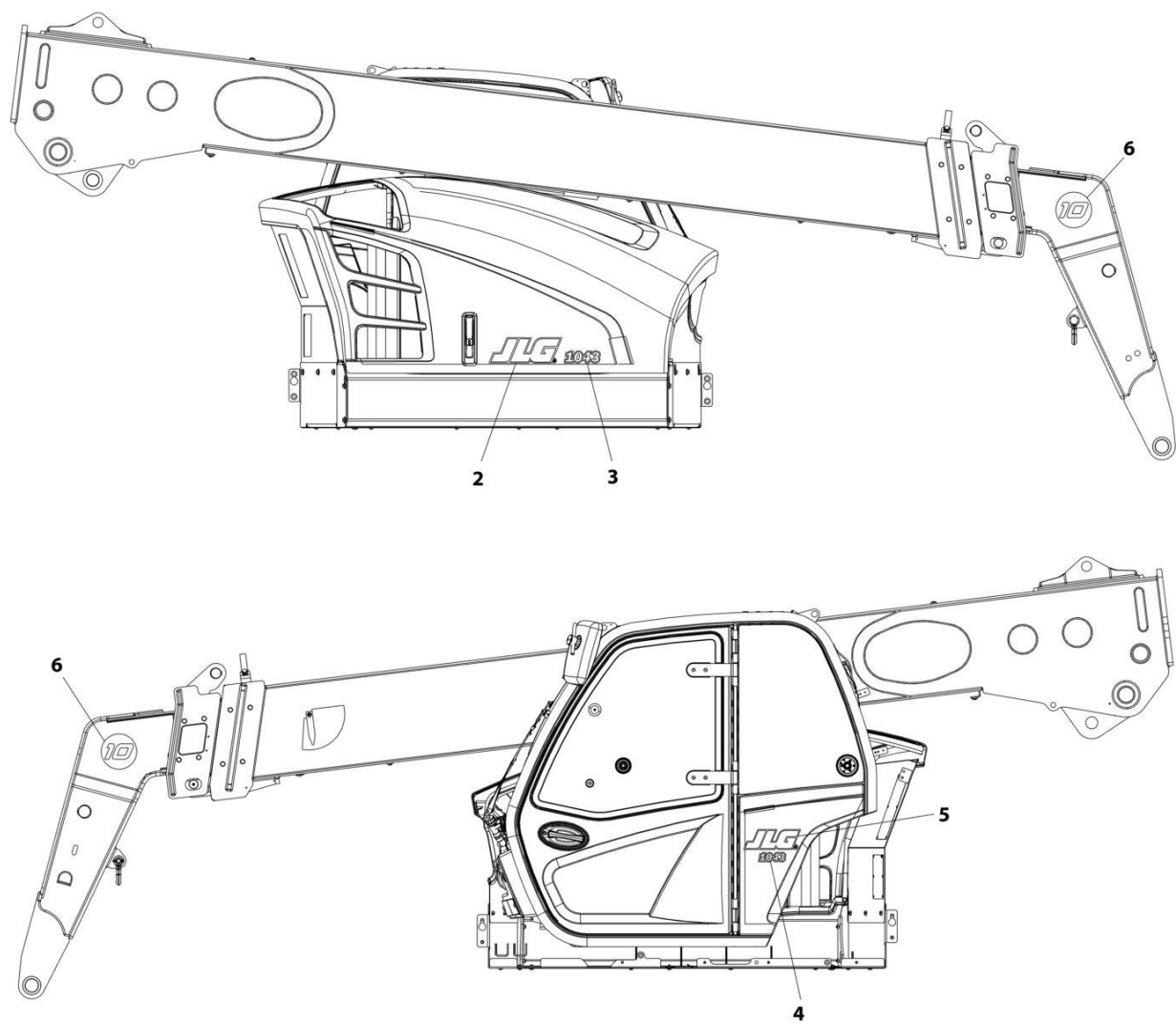
SECTION 11 - DECALS

FIGURE 11-7. DECAL INSTALLATION (LATIN AMERICAN ENGLISH/SPANISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236308	Ref	Decal Installation	B
1	1702631	1	Decal, Bar Code	
2	3251813	1	Decal, USA	
3	4109801	4	Decal, Tie Down Point	
5	1001094708	1	Decal, Hydraulic Oil	
6	1001109053	1	Decal, Coolant Fill	
7	1001130323	1	Decal, Oil Level	
8	1001131271	1	Decal, Patent	
9	1001171277	1	Decal, Boom Extend	
10	1001172035	1	Decal, No Weld or Drill	
11	1001184632	1	Decal, Battery Positive	
12	1001188372	1	Decal, Sway	
13	1001191229	1	Decal, Fuse Panel	
14	1001195855	1	Decal, Battery Disconnect	
15	1001196806	1	Decal, Diesel Exhaust Fluid	
16	1001200101	1	Decal, Manual	
17	1001219211	1	Decal, Brake Fluid	
18	1001222650	2	Decal, Axle Lift	
20	1001235794	1	Decal, Battery Warning	
21	1001235796	1	Decal, Carry Personnel	
22	1001235797	1	Decal, Electrocutation Hazard	
23	1001235798	1	Decal, Warning No Either	
24	1001235799	1	Decal, Moving Parts	
25	1001235800	2	Decal, Pinch Point	
26	1001235801	1	Decal, Warning Tip Over	
27	1001235802	1	Decal, No Riders	
28	1001235803	1	Decal, Warning Crushing Hazard	
29	1001235804	1	Decal, Ultra Low Sulfur Diesel	
30	1001235805	1	Decal, Warning Hot Fluid	
31	1001235807	1	Decal, Danger Swinging Loads	
32	1001235808	1	Decal, JLG DEF Tank Service	
33	1001235809	1	Decal, Warning/Danger Cab	
34	1001236312	1	Decal, MCO 130HP	

SECTION 11 - DECALS

FIGURE 11-8. BRAND AND MODEL DECAL INSTALLATION



ART_1001172979_F

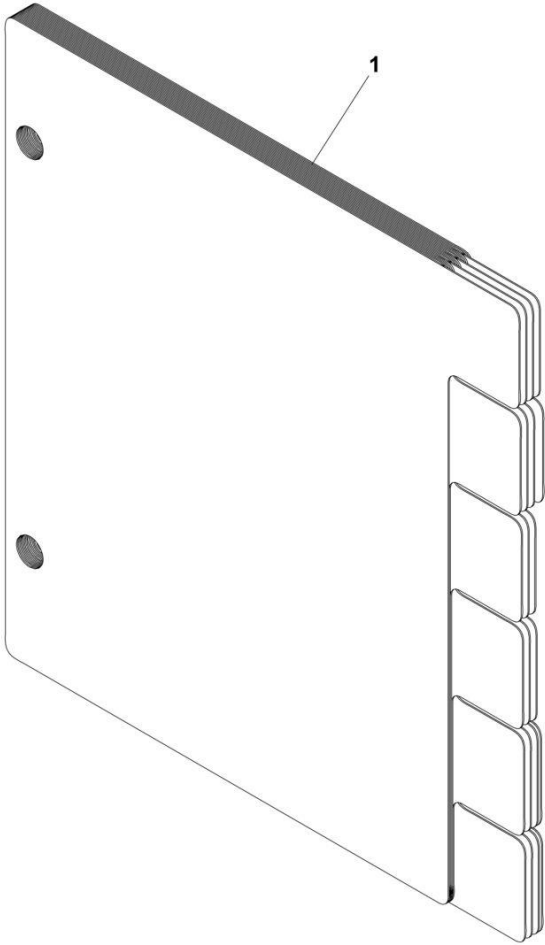
SECTION 11 - DECALS

FIGURE 11-8. BRAND AND MODEL DECAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172979	Ref	Brand and Model Decal Installation	F
2	1001160775	1	Decal, JLG 5 Black	
3	1001276760	1	Decal, JLG 1043	
4	1001276761	1	Decal, JLG 1043 Cab	
5	1001169674	1	Decal, JLG	
6	1001279167	2	Decal, Boom Head	

SECTION 11 - DECALS

FIGURE 11-9. CAPACITY CHART BOOKLET (ANSI) (OUTRIGGERS)



ART_1001212419-J

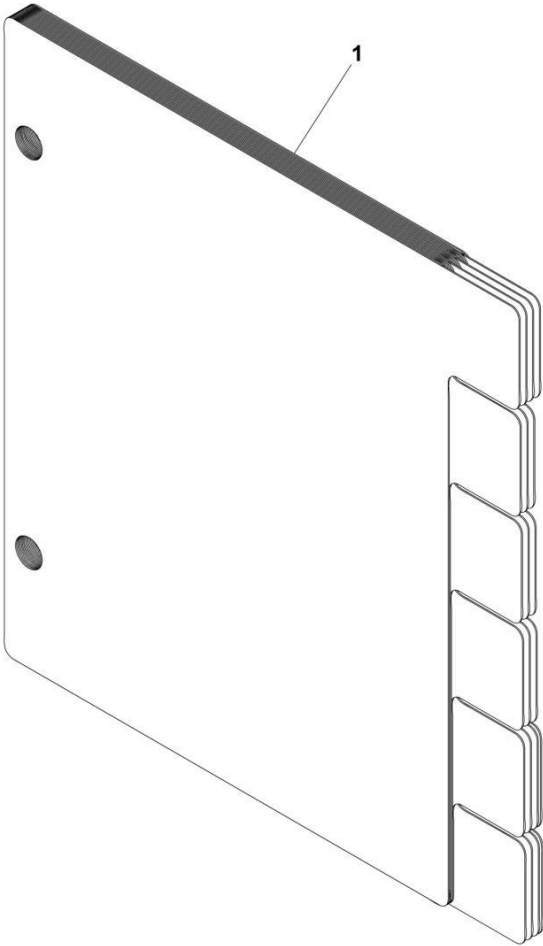
SECTION 11 - DECALS

FIGURE 11-9. CAPACITY CHART BOOKLET (ANSI) (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001212419	1	Capacity Chart Booklet (ANSI), (Outriggers) - 1043	J

SECTION 11 - DECALS

FIGURE 11-10. CAPACITY CHART BOOKLET (ISO) (OUTRIGGERS)



ART_1001206371-J

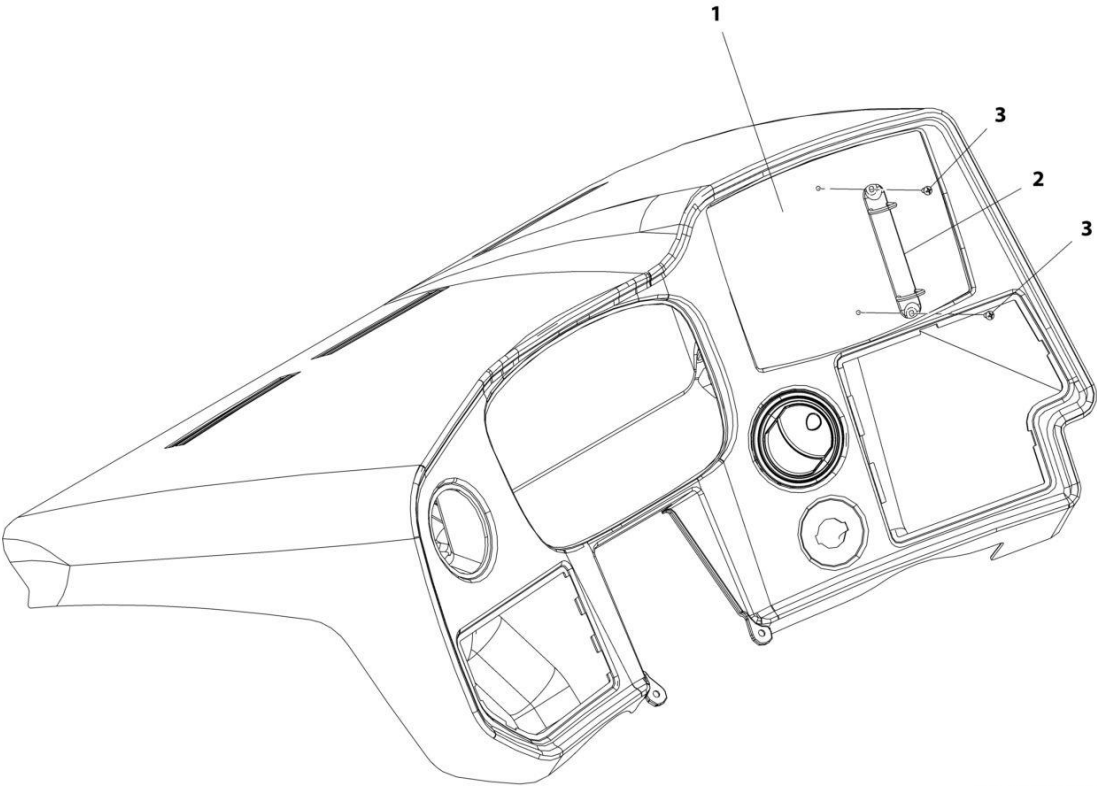
SECTION 11 - DECALS

FIGURE 11-10. CAPACITY CHART BOOKLET (ISO) (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001206371	1	Capacity Chart Booklet (ISO), (Outriggers) - 1043	J

SECTION 11 - DECALS

FIGURE 11-11. CAPACITY CHART HOLDER INSTALLATION



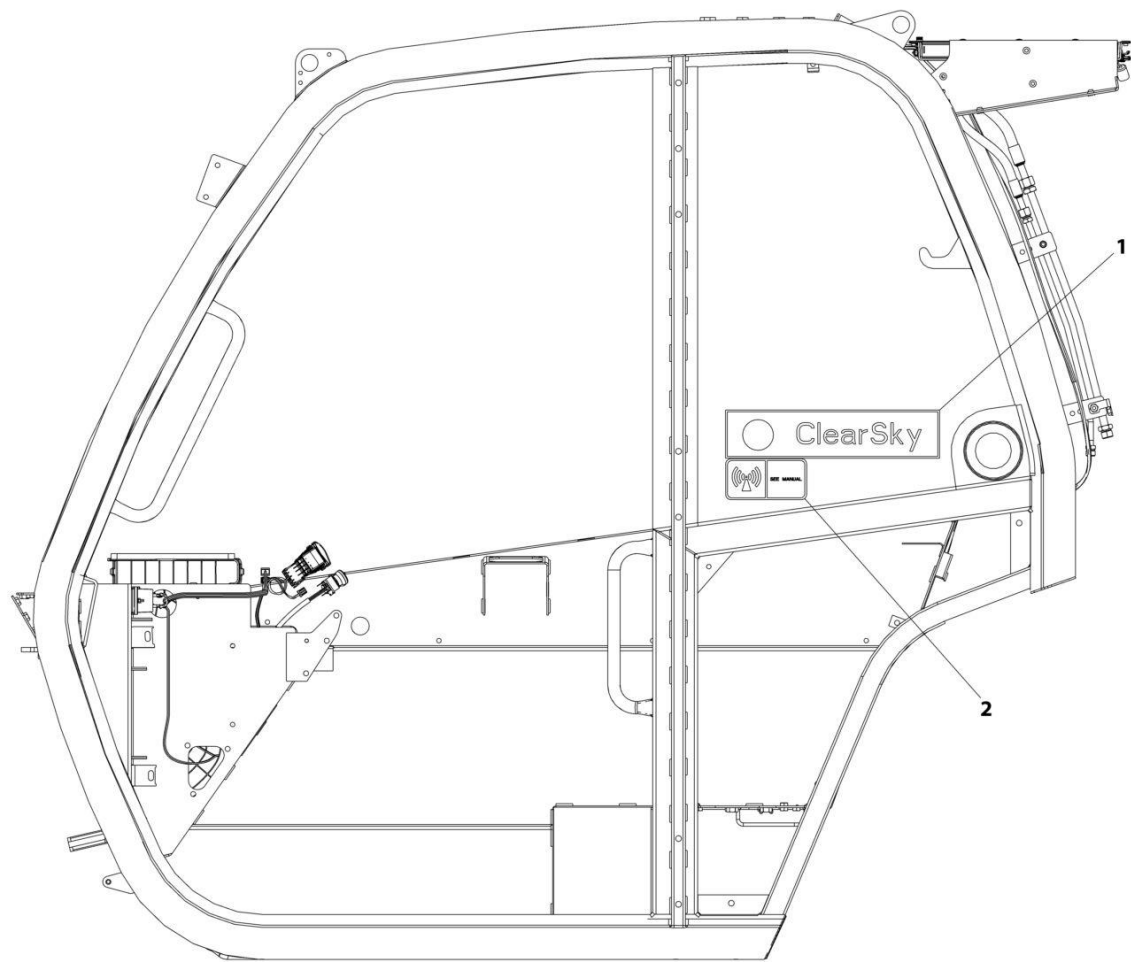
ART_1001178706-A

FIGURE 11-11. CAPACITY CHART HOLDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178706	Ref	Capacity Chart Holder Installation	A
1	1001179297	1	Load Chart, Bezel	
2	1001005960	1	Holder	
3	7029486	2	Screw	

SECTION 11 - DECALS

FIGURE 11-12. CLEARSKY DECAL INSTALLATION



ART_1001229707

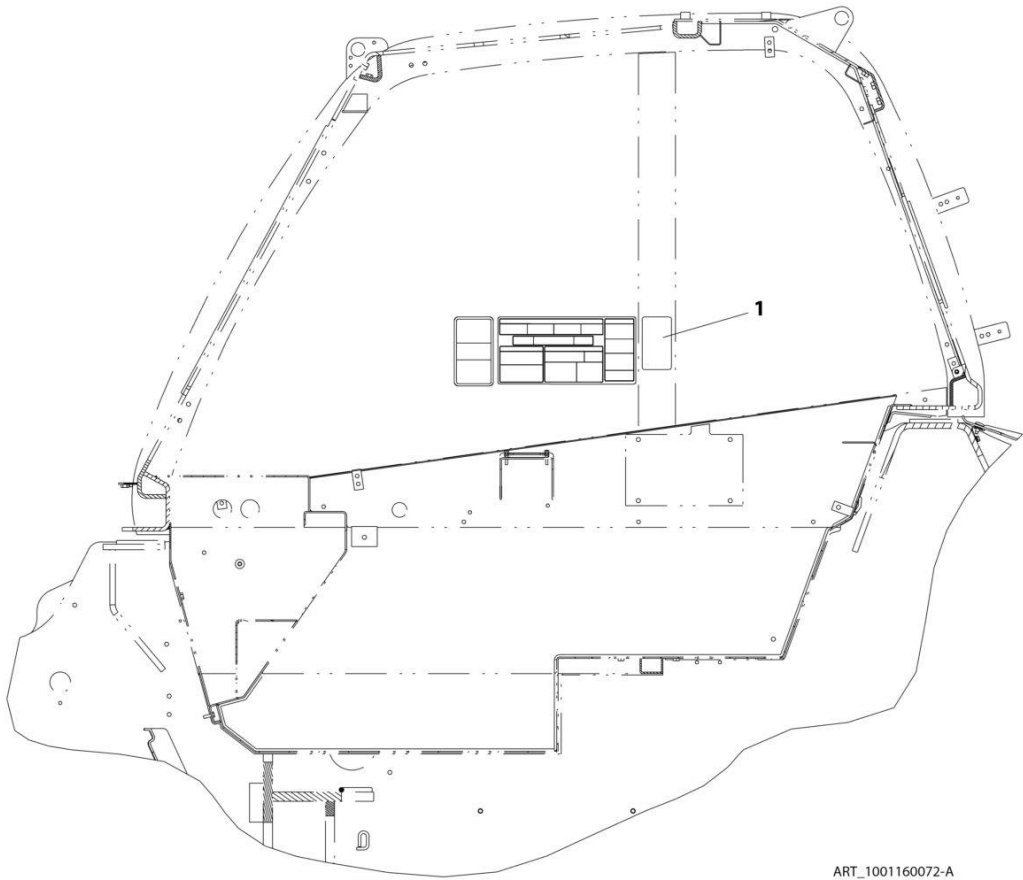
SECTION 11 - DECALS

FIGURE 11-12. CLEARSKY DECAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229707	Ref	Clearsky Decal Installation	C
1	1001294815	1	Decal - ClearSky	
2	1001120989	1	Radio Frequency Decal	

SECTION 11 - DECALS

FIGURE 11-13. REVERSE SENSOR SYSTEM DECAL (ENGLISH)



ART_1001160072-A

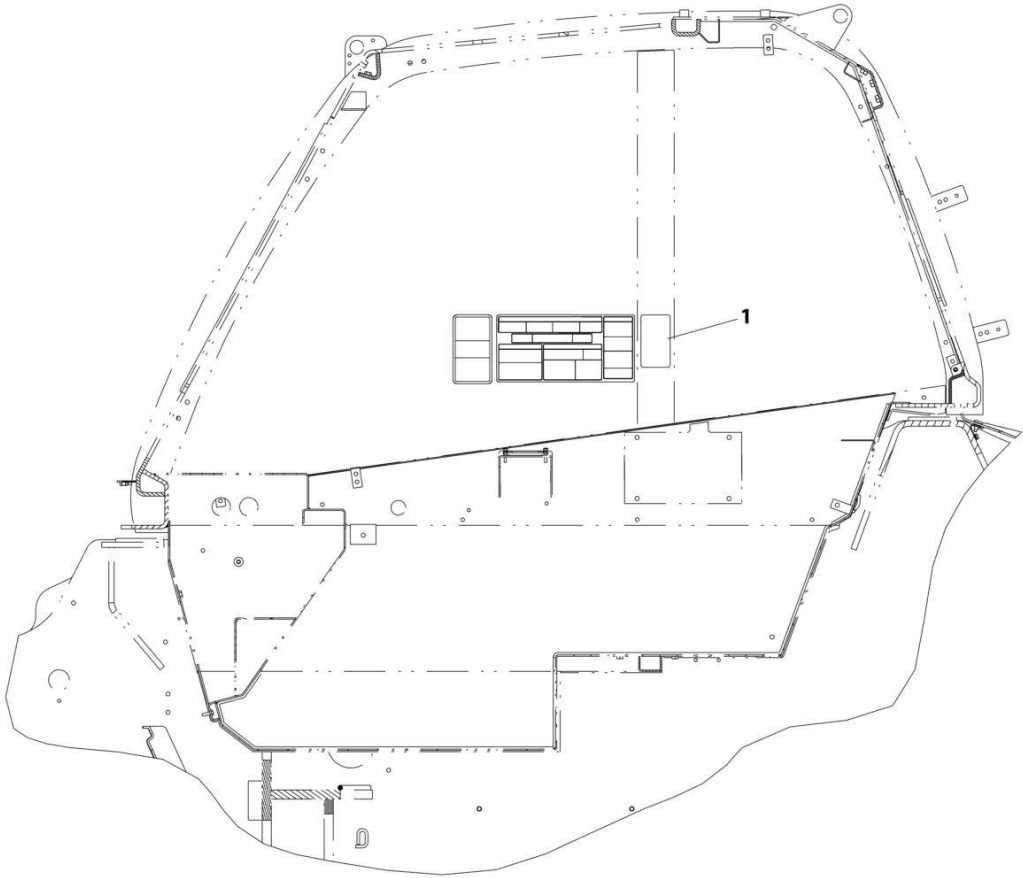
SECTION 11 - DECALS

FIGURE 11-13. REVERSE SENSOR SYSTEM DECAL (ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001160072	1	Reverse Sensor System Decal (English)	A

SECTION 11 - DECALS

FIGURE 11-14. REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH)



ART_1001237846-A

SECTION 11 - DECALS

FIGURE 11-14. REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001237846	Ref	REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH LANGUAGES)	A

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

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SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 12-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
	70029597	1	Coil, 12V (Drywall Carriage)	
	70028281	1	Coil (Ride Control)	
	70022147	1	Coil (Frame Level & Outtrigger Valve)	
	70020868	1	Coil (Frame Level & Outtrigger Valve)	
	70021208	1	Coil (Frame Level & Outtrigger Valve)	
	70002963	1	Coil (Priority Valve & Sahr Brake)	
	70020764	1	Coil (Quick Coupler)	
	70003788	1	Coil (Stabilizer Valve)	
	70026582	1	Coil (Steer Select Valve)	
	1001159028	1	Controller, Accelerator	
	1001197138	1	Controller, Brake	
	1001242098	1	Controller, Fingertip Joystick (Outtrigger Switches Installation)	
	1001222609	1	Controller, Joystick	
	70026558	1	Controller, Range Selector	
	1001177597	2	Diode, 6amp (Engine Harness ULS)	
		Ref	Engine - Cummins 110HP ULS	
	70026237	12	Filter, Oil	
	70025850	12	Filter, Primary Air	
	70025851	12	Filter, Secondary Air	
	70026453	12	Filter, Secondary Fuel	
		Ref	Engine - Cummins 110HP LS	
	70026237	12	Filter, Oil	
	70025850	12	Filter, Primary Air	
	70026234	12	Filter, Primary Fuel	
	70025851	12	Filter, Secondary Air	
	70026801	12	Filter, Secondary Fuel	
	1001162662	12	Filter, Breather	
	8229261	2	Fuse, 5A (ASOV)	
	8229242	2	Fuse, 5A (Cab Electrical Board, Cab Option 1 Board, Cab Option 2 Board, Clearsky2 Harness, Engine Harness ULS)	
	80983191	2	Fuse, 10A (Cab Electrical Board, Cab Option 1 Board, Cab Option 2 Board, Engine Harness ULS)	
	8229244	2	Fuse, 15A (Cab Option 2 Board, Engine Harness ULS, Frame Power Distribution Box)	
	8229235	2	Fuse, 20A (ASOV)	
	8229247	2	Fuse, 25A (Cab Option 1 Board, Frame Power Distribution Box, Frame Power Distribution Box)	
	8229245	2	Fuse, 30AMP (Cab Electrical Board & Frame Power Distribution Box)	
	70026297	2	Fuse, 80A (Frame Power Distribution Box)	
	1001095336	2	Fuse, 150A (Frame Power Distribution Box)	
	70026296	2	Fuse, 200A (Frame Power Distribution Box)	
	1001131177	2	Fuse, Power Module	
	70022765	1	Key, Ignition	
	2940074	1	Latch (Fork Mounted Basket)	

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203181	1	Module, Accessory (ASOV)	
	1001270467	1	Module, Front Frame Control (Frame Electrical Installation)	
	1001270468	1	Module, Rear Frame Control (Frame Electrical Installation)	
	3740080	1	Relay (ASOV & Cab Seat Belt Alarm Harness)	
	1001205172	1	Relay (Engine Harness)	
	1001117308	1	Relay (Engine Bay Electrical Installation)	
	70026292	1	Relay, 35A (Cab Electrical Board)	
	70026295	1	Relay, 35A (Frame Power Distribution Box)	
	70026293	1	Relay, 50A (Cab Option 1 Board)	
	70026294	1	Relay, 70A (Frame Power Distribution Box)	
	4000015	1	Sensor, Angle (Boom Angle Sensor Installation)	
	1001121955	1	Sensor, Coolant Level	
	1001147340	1	Sensor, Pressure Transducer (Cab Hydraulics)	
	1001183024	1	Sensor, Proximity (LSI)	
	1001160730	1	Sensor, Rear Axle (LSI)	
	1001247421	1	Sensor, Reverse	
	1001128478	1	Sensor, Temperature (Tank Hydraulic)	
	1001104654	1	Switch, AUX	
	1001159746	1	Switch, Auxiliary Electric	
	1001159738	1	Switch (Beacon)	
	1001159745	1	Switch, Boom Ride (Ride Control)	
	1001159739	1	Switch, Boom Work Lights	
	1001192142	1	Switch, Disconnect	
	1001163639	1	Switch, Driving Lights	
	1001239793	1	Switch, FNR 4 Speed	
	1001212470	1	Switch, Frame Level	
	1001159845	1	Switch, Front Worklights	
	1001159734	1	Switch, Hazard (Roadlights)	
	1001169268	1	Switch, Horn Button	
	1001160326	1	Switch, HVAC On/Off (Heater & AC)	
	1001159925	1	Switch, HVAC Recycle (Heater & AC)	
	1001172547	1	Switch, HVAC Rotary 3 Speed (Heater & AC)	
	1001159742	1	Switch, LSI Override	
	1001159753	1	Switch, Park Brake	
	1001080375	1	Switch, Quick Coupler (Hydraulic Coupler)	
	1001159735	1	Switch, Rear Wiper	
	1001159846	1	Switch, Rear Worklights	
	1001159736	1	Switch, Roof Wiper	
	1001159849	1	Switch, Steer Mode	
	1001215941	1	Switch, Toggle (ASOV)	
	1001256974	1	Switch, Turn-Wiper	
	1001102502	1	Switch, 4 Position Key	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

FIGURE 13-1. SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	See Note	Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	T
		Ref	SPECIAL OPTIONS/ACCESSORIES/KITS	
	1001254401	Ref	Access Control Kit	
	1001202371	1	Aftermarket/Service Kits	
	1001249695	Ref	Analyzer and Cable Kit	
	1001249941	Ref	Battery Powered Analyzer Cable Kit	
	1001199376	Ref	Beacon Kit	
	1001211987	Ref	Boom Kit	
	1001208646	Ref	Boom Wear Pads Kit	
	1001211985	Ref	Boom Wiper Kit	
	1001213286	Ref	Cab Display Kit	
	1001210341	Ref	Cab Electrical Option 1	
	1001210342	Ref	Cab Electrical Option 2	
	1001290616	1	Cab Electrical Prep Installation - Open	
	1001199381	Ref	Cab Guard Kit (Front)	
	1001199380	Ref	Cab Guard Kit (Top)	
	1001199382	Ref	Cab Guard Kit (Front and Top)	
	1001213334	Ref	Cab Enclosure Kit	
	1001213342	Ref	Cab Enclosure Kit with Heater (ULS /LS)	
	1001213343	Ref	Cab Enclosure Kit with Heater and A/C (ULS) (ANSI, ANSI Export and Canada)	
	1001213344	Ref	Cab Enclosure Kit with Heater and A/C (LS) (ANSI Export and Latin America)	
	1001213336	Ref	Cab Heater Kit (ULS /LS)	
	1001213339	Ref	Cab Heater and A/C Kit (ULS) (ANSI, ANSI Export and Canada)	
	1001213340	Ref	Cab Heater and A/C Kit (LS) (ANSI Export and Latin America)	
	1001213349	Ref	Cab Heater - Upgrader from Heater Only to Heater and A/C Kit (ULS) (ANSI, ANSI Export and Canada)	
	1001213350	Ref	Cab Heater - Upgrader from Heater Only to Heater and A/C Kit (LS) (ANSI Export and Latin America)	
	1001268341	Ref	Camera (Rear View) Add-on Kit(Dealer Installed)	
	1001199333	Ref	ClearSky Telematics Kit - Long Roof Cap (ANSI, ANSI Export and Canada)	
	1001199334	Ref	ClearSky Telematics Kit - Short Roof Cap (ANSI, ANSI Export and Canada)	
	1001243187	Ref	ClearSky Telematics Kit - Canbus (North America) (ANSI, ANSI Export and Canada)	
	1001265378	Ref	ClearSky Telematics Kit - Canbus (CE) (ANSI Export and CE)	
	1001265372	Ref	ClearSky Telematics Kit - Canbus (North America) (ANSI and Canada)	
	1001254390	Ref	ClearSky Telematics Kit - Canbus (CE) (ANSI Export and CE)	
	1001276923	Ref	ClearSky Telematics Add-on Kit (Contact JLG for Approved Countries)	
	1001254400	Ref	ClearSky Telematics Extension Kit - Canbus	
	1001291382	1	ClearSky Prep Installation	
	1001211991	Ref	Cold Weather Kit (ULS) (ANSI, ANSI Export and Canada)	
	1001211992	Ref	Cold Weather Kit (LS) (ANSI Export and Latin America)	
	1001211919	Ref	Decal Kit - 1043	
	1001238953	Ref	DEF Sensor Upgrade Kit (ANSI, ANSI Export and Canada)	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148902	Ref	Electrical Connector Kit - Amp/Tyco Electrical Connectors	
	1001148903	Ref	Electrical Connector Kit - Deutsch DT Electrical Connectors	
	1001148904	Ref	Electrical Connector Kit - Deutsch HD Electrical Connectors	
	1001148905	Ref	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kit - Various Electrical Connectors	
	1001272892	Ref	EROPS Service Kit	
	1001214167	Ref	External Rear Window Release Kit	
	1001199378	Ref	Fender Kit	
	1001208643	Ref	Filter Kit - 250Hour (ANSI, ANSI Export and Canada)	
	1001208644	Ref	Filter Kit - 1000Hour (ANSI, ANSI Export and Canada)	
	1001239961	Ref	Fire Extinguisher Kit	
	1001278325	Ref	Fuel Cap Cover Kit	
	1001302426	Ref	Joystick Kit	
	1001209981	Ref	Lights – Boom Worklight Kit	
	1001230107	Ref	Lights - Roadlights Kit (Outriggers)	
	1001208847	Ref	Lights - Worklight Kit	
	1001235921	Ref	Lights - Worklight Kit (LED)	
	1001272890	Ref	OROPS Service Kit	
	1001199362	Ref	Rear Wiper Kit	
	1001199366	Ref	Reverse Camera Kit	
	1001245914	Ref	Reverse Camera Kit (4WARD)	
	1001252086	Ref	Reverse Sensing System Kit	
	1001199328	Ref	Roof Wiper Kit	
	1001213289	Ref	Short Roof Cap Kit	
	1001260947	Ref	Smart Shift Kit	
	1001274892	Ref	Steering Column Service Kit - 0 Speed FNR (with Worklights)	
	1001275150	Ref	Steering Column Service Kit - 2 Speed FNR (with Worklights)	
	1001274891	Ref	Steering Column Service Kit - 2 Speed FNR (with Clamp)	
	1001274889	Ref	Steering Column Service Kit - 4 Speed FNR (with Worklights)	
	1001274890	Ref	Steering Column Service Kit - 4 Speed FNR (with Clamp)	
	1001229799	Ref	Strainer Kit	
	1001274718	Ref	Tire Set - Solid 13x24 Directional	
	1001274257	Ref	Tire Set - Solid 13x28 Directional	
	1001274302	Ref	Tire Set - Solid 13x28 Non-Directional	
	1001274721	Ref	Tire Set - Solid 14x24 Directional	
	1001274305	Ref	Tire Set - Solid 14x28 Directional	
	1001274307	Ref	Tire Set - Solid 14x28 Non-Directional	
	1001263075	Ref	Tire Kit – Turf (Pneumatic)	
	1001249695	Ref	Tools- Analyzaer and Cable Kit	
	1001249941	Ref	Tools- Analyzaer and Cable Kit (Battery Powered)	
	7002821	Ref	Tools - Crimper, Wire	
	7002823	Ref	Tools - Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460510	Ref	Tools - Pin Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460467	Ref	Tools - Pin Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016654	Ref	Tools - Screwdriver, Magnetic	
	7002822	Ref	Tools - Screwdriver, Potentiometer	
	7004275	Ref	Tools - Seal Tool 1in (For Cylinders)	
	7004276	Ref	Tools - Seal Tool 1-1/2in (For Cylinders)	
	7002828	Ref	Tools - Stripper, Wire	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262959	Ref	Voltage Regulator Relocation Kit	

PART NUMBER INDEX

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

0100011.....133, 137, 143, 891, 893	0711228.....75	0781016.....317	1001096020.....99
01043892.....955	0711229.....77	0781208.....741	1001096021.....101
0400075.....839	0711626.....235	0791605.....279	1001096023.....101
0440296.....69	0711629.....235	0860520.....103	1001096024.....99
0440321.....741	0711630.....235	0930020.....123	1001096025.....101
0498748.....523	0711631.....75, 85	1001001568.....681	1001096365.....525
0641404.....47	0711635.....77	1001002946.....525	1001097053.....325
0641405.....103	0712020.....487	1001002947.....525	1001097110.....185
0641407.....47	0712022.....487	1001002953.....525	1001097202.....489, 491
0641510.....223	0712027.....485	1001002957.....525	1001097205.....193
0641812.....698	0712042.....49	1001003043.....513	1001097540..27, 29, 603, 605
0642032....129, 133, 135, 137, 139, 143	0712442.....701, 709	1001003227.....23	1001097586.....513
0681810.....133, 137, 143	0741408.....47	1001003301.....787	1001097587.....403, 433
0700408.....987, 989	0741610....133, 137, 143	1001003427.....315	1001097588.....271, 273
0700610..27, 29, 53, 239, 304, 308, 607, 829, 831, 833, 919, 921, 937, 969, 971	0760304.....659	1001003590.....709	1001097810.....401, 703
0700614.....223, 568	0760405...113, 115, 119, 121, 125, 129, 133, 135, 137, 139, 141, 143, 909	1001004640.....661, 663	1001098762.....841
0700616.....698, 965	0760507.....315, 547	1001005368.....521	1001098769.....89
0700618.....859, 905	0760512.....615	1001005960.....1035	1001099113.....133, 137, 143
0700808.....905	0760605...273, 523, 639	1001007056.....769	1001099115.....133, 137, 143
0700812.....477	0760606.....27, 29	1001008540.....919, 921	1001099170.....507
0700814 27, 29, 313, 787, 919, 921	0760607...301, 304, 308, 523, 909, 955	1001008559 39, 304, 308, 445, 503, 511, 627, 865, 909, 923, 925, 937, 941, 943, 946	1001099351.....111
0700815.....297	0760608....91, 255, 297, 489, 491, 545, 615, 631, 639, 661, 663, 919, 921, 941, 943	1001008575.....35	1001099457.....183
0700816....257, 259, 279, 675, 698, 931	0760610.....541	1001008687.....479	1001099699.....547
0700817.....683	0760615.....71, 698, 933	1001008742.....615	1001099717.....845
0700818.....759, 937	0760807.....239, 905	1001008857.....525	1001100265.....119
0700819.....687, 931, 933	0760808...543, 607, 609, 891, 893, 905, 909	1001008923.....965	1001100266.....121
0700820....619, 621, 623, 937	0760810 23, 59, 249, 555, 557, 565, 568, 585, 609, 619, 621, 639, 698, 727, 731	1001008988.....523	1001100267.....125
0700823.....689	0760812...241, 285, 475, 491, 503, 511, 525, 687, 987, 989	1001009163.....325, 787	1001100822.....119
0700824.....661, 663	0760815....21, 289, 525, 683, 698, 703, 937	1001009178 .1006, 1014, 1022	1001100823.....121
0700826.....297	0760817.....709	1001025750.....301	1001100824.....125
0700827.....241, 243	0760823.....33, 291	1001028308.....703	1001100967.....109
0701014...21, 23, 41, 289	0761007...905, 941, 943	1001047062.....523	1001101458.....43, 45
0701016 27, 29, 289, 477, 479, 679, 719, 921, 923	0761008.....843, 845	1001080375...679, 1045	1001101808.....829
0701017.....283, 285	0761010 23, 25, 247, 271, 273, 283, 289, 325, 445, 479, 698, 905, 919, 921, 937, 941, 943, 973	1001080996.....83, 679	1001101895...1010, 1019
0701018....247, 249, 263, 265	0761012...245, 247, 249, 263, 265, 661, 663, 679, 989	1001090140.....133, 137, 143	1001102502.....855, 857, 1045
0701020.....35, 263, 265	0761017.....113, 115	1001090343.....589	1001102509.....431
0701027.....311	0761210...265, 301, 923, 925	1001091715.....973	1001103012.....866
0701215.....317	0761212.....679	1001091716.....973	1001103156.....843, 845
0701216.....235, 319	0761214...35, 43, 45, 83, 87	1001091751.....889	1001103564.....967
0701217.....91, 727	0761215.....33, 705	1001091951.....79	1001104477.....681, 803
0701220.....235	0761218.....263, 265	1001092481.....97	1001104498.....981
0701224.....91	0770807.....57	1001092482.....97	1001104519.....879, 885
0701226.....57, 641	0770814.....643	1001092877 .1010, 1019, 1022	1001104654.....855, 857, 1045
0701227.....235	0771210.....57, 59, 263	1001092878 .1010, 1019, 1022	1001104685.....239
0701229.....39	0771212.....57, 59	1001093171.....193	1001105441.....93
0701230.....39		1001093564.....841	1001105886.....959
0711015.....325		1001094134.....189	1001107192.....523
0711027.....701, 709		1001094136.....189	1001107854.....821, 951, 981
0711214.....57, 59		1001094708 .1006, 1010, 1014, 1019, 1022, 1026	1001108668.....196
0711215.....55		1001095336...939, 1044	1001109053..1006, 1010, 1014, 1019, 1022, 1026
0711216.....55, 57, 59		1001095396.....691	1001110544.....659
0711217.....55, 57, 59		1001095418.....141	1001110704.....141
0711218.....57		1001095650...43, 45, 47, 661	1001111076.....631
0711219.....55		1001095738.....371	1001111147.....631
0711220.....55, 91		1001095744.....371	1001111190.....141, 196, 201
0711225.....57		1001095804.....855, 857	1001111317.....501, 509
0711226.....57		1001095810.....103	1001112612.....849, 865, 899, 913, 915
		1001096019.....99	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001112796 895, 899, 985	1001120989.....1037	1001144147825, 877, 912, 915	1001159347 263, 265, 277
1001112902 27, 29	1001121103.....449	1001144295.....946	1001159734 973, 1045
1001114495 267, 269	1001121105.....453	1001144296.....946	1001159735 587, 1045
1001114498 951	1001121109.....449	1001144629J103	1001159736 589, 1045
1001114803 263, 265	1001121172.....946	1001145539.....568	1001159738 1045
1001116128 445	1001121726.....951	1001145707.....915	1001159739 963, 1045
1001116696 977	1001121727.....997	1001146160.....107	1001159742 503, 511, 1045
1001116697 866	1001121955.....1045	1001146588.....304, 308, 627, 859, 869, 931, 933, 941, 943, 973	1001159745 691, 1045
1001116698 866	1001125027.....912, 916	1001146949.....645	1001159746 851, 1045
1001116700 879	1001125083.....913	1001147060.....831	1001159753 855, 857, 1045
1001116716 879	1001125085.....913	1001147340.....685, 687, 1045	1001159760 711, 713
1001116720 961	1001125117.....55, 57, 59, 91, 679	1001147449.....598	1001159845 969, 971, 1045
1001116723 865, 866, 879, 880, 883	1001125410.....453	1001148902.....1049	1001159846 969, 971, 1045
1001116725 913	1001125465.....445	1001148903.....1049	1001159847 713, 715
1001116727 951	1001125677.....946	1001148904.....1049	1001159849 855, 857, 1045
1001116728 951, 967	1001126008.....825, 901, 947	1001148905.....1049	1001159881 289
1001116729 997	1001126011.....913	1001148906.....1049	1001159882 289
1001116732 915	1001126349.....916	1001149160.....27, 29	1001159925 565, 568, 1045
1001116745 997	1001126353.....916	1001149278.....598	1001160042 568
1001116747 821, 880	1001126356.....916	1001150610.....912, 915	1001160043 565
1001116748 865, 913, 915	1001126391.....927	1001150611.....946, 948	1001160072 1039
1001116749 913, 915	1001126393.....927	1001150735.....865	1001160116 235
1001116754 866	1001126487.....912	1001150737.....865	1001160250 49
1001116763 821, 866, 951	1001126837.....539, 541, 843	1001151101.....467	1001160253 21
1001116774 825, 947	1001128127.....948	1001151102.....467	1001160255 41
1001116808 825, 947	1001128144.....279	1001151108.....467	1001160326 568, 1045
1001116810 948	1001128341.....279	1001152742.....927	1001160396 231
1001116811 912, 915	1001128478.....325, 787, 1045	1001152915.....509	1001160397 265
1001116812 825, 865, 883, 927, 947	1001128594.....229, 233	1001152934.....509	1001160402 263
1001116815 825, 865	1001128890.....107	1001152947.....501, 509	1001160420 313
1001116950 913, 915, 946	1001130220...27, 29, 831	1001153612.....913	1001160426 243
1001116986 880	1001130323..1006, 1010, 1014, 1019, 1022, 1026	1001153748.....735, 813	1001160496 621
1001116991 865, 879, 961	1001131177.....905, 1044	1001153749.....905	1001160498 867
1001116996 977	1001131271..1006, 1010, 1014, 1019, 1022, 1026	1001154365.....499, 509	1001160500 947, 952
1001116997 879	1001132168.....25	1001154419.....509	1001160502 867
1001116999 879, 961	1001132169.....946	1001154511.....227, 229	1001160503 619, 621
1001117021 821	1001132170.....946	1001154721.....497, 501	1001160506 623
1001117073 913, 915	1001132170.....946	1001154790.....231, 233	1001160508 493, 495, 543
1001117081 865, 866, 879, 883	1001133534.....317	1001154984.....493	1001160509 947, 952
1001117121 885	1001134274.....843, 845	1001155020.....598	1001160510 947, 952
1001117308 919, 921, 1045	1001136975.....304, 308	1001155261.....289	1001160711 839
1001118323 946	1001137512.....187	1001155307.....661	1001160730 1045
1001118378 825	1001137578.....927, 928	1001155446.....483, 485	1001160735 31
1001118383 885	1001138348.....267, 269	1001155447.....495, 585	1001160775 1029
1001118384 865, 866, 879, 880, 883, 999	1001139551.....589	1001155486.....589	1001160888 235
1001118392 977	1001139552.....587	1001155540.....263, 265	1001160927 839, 841
10011184495 935	1001139568.....521	1001155796.....607	1001160928 841
1001118684 866	1001139578.....1006	1001155800.....607	1001161069 591
1001118685 885	1001139942..1010, 1019, 1022	1001155806.....985	1001161097 867, 947, 952
1001120163 769, 771	1001141246.....525	1001156265.....661, 663	1001161098 867, 947
1001120178 449, 451, 453, 455	1001141281.....585	1001157481.....521	1001161099 867, 947, 952
1001120179 449, 453	1001141311.....589	1001157487.....521	1001161100 867, 947, 952
1001120914 133, 137, 143	1001141312.....587	1001157663.....241, 243	1001161101 867, 947, 952
1001120915 133, 137, 143	1001141313.....589	1001157890.....825, 879	1001161304 733, 735
	1001141400.....304, 308	1001157891.....849	
	1001143200.....505, 537	1001157972.....715, 797	
	1001143551.....825	1001158146.....855	
	1001143692.....93	1001158298.....685, 687, 699	
	1001143852.....1022	1001158527.....661, 811	
	1001143857.....661, 663	1001159028.....635, 637, 1044	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001161308.....671, 673, 723	1001163127 817, 919	1001164972 701, 709	1001167281.....787
1001161340.....698	1001163133 237	1001165022 533	1001167357.....241, 243
1001161343.....698	1001163134 239	1001165022J..... 531	1001167437.....731
1001161421.....399, 401	1001163136 55, 57	1001165080 499, 523	1001167493.....57
1001161424.....429, 431	1001163151 631	1001165171 55, 57, 59	1001167528.....927
1001161499.....493, 495, 635	1001163170 631	1001165172 55, 57, 59	1001167608.....965, 967
1001161528.....685, 687	1001163174 1014	1001165194 927	1001167616.....912
1001161538.....501	1001163210 1014	1001165269 615, 617	1001167620.....927
1001161564.....39	1001163212 1014	1001165270 615	1001167624.....927
1001161664.....227, 231, 325	1001163222 1014	1001165273 617	1001167641.....912
1001161672.....661, 663	1001163223 1014	1001165275 525	1001167646.....905
1001161769.....859, 861	1001163227 227, 231, 235	1001165276 531	1001167648.....912
1001161770.....869, 873	1001163230 227, 231, 311	1001165309 946	1001167649.....912
1001161771.....871, 875	1001163231 227, 308	1001165310 946	1001167650.....912
1001161854.....594, 598, 601	1001163232 227, 287	1001165311 951	1001167656.....912
1001161855.....594, 598	1001163233 227, 905	1001165327 617	1001167657.....912
1001161896.....661, 663	1001163235 227, 319	1001165351 615	1001167695.....853, 985
1001161897.....661, 663	1001163238 231, 257	1001165360 973, 975	1001167761.....81, 83, 85
1001161898.....661, 663	1001163239 231, 247	1001165367 55, 57, 59	1001167762.....81, 83, 87
1001161920.....267, 269	1001163241 231, 304	1001165407 615	1001167799.....853
1001161957.....947, 951	1001163242 231, 909	1001165416 615	1001167806.....89
1001161959.....867	1001163245 265, 273	1001165455 615	1001167937.....529
1001161963.....947, 952	1001163246 265, 269	1001165458 615	1001167958.....523, 529
1001161978.....698	1001163247 263, 265, 281	1001165637 585	1001167971.....301
1001162076.....743, 759	1001163248 263, 271	1001165699 859	1001168030.....263, 265
1001162212.....287	1001163249 263, 267	1001165827 833	1001168031.....987
1001162239.....21, 23	1001163253 289, 301	1001165831 403, 405, 407, 409, 411, 413, 415, 417, 419, 421, 423, 425, 427	1001168038.....780
1001162240J.....23	1001163254 241, 243, 245	1001165978 477, 479	1001168041.....780
1001162281.....283, 289	1001163285 1014	1001166163 61, 63	1001168054.....685, 687
1001162339.....683	1001163300 1014	1001166233 61	1001168142.....661, 663
1001162346.....683	1001163304 1014	1001166235 61, 63	1001168151.....661, 663
1001162365.....683	1001163323 1014	1001166385 631	1001168264.....475, 491
1001162366.....683	1001163340 866	1001166397 937	1001168272.....291
1001162469.....55, 57	1001163355 1014	1001166416 267, 269	1001168281.....39
1001162597.....289	1001163371 869, 879	1001166430 271, 273	1001168287.....568
1001162600.....743, 751	1001163414 133, 137, 143, 747	1001166449 257, 259	1001168327.....568
1001162660.....787, 789	1001163546 289	1001166450 259	1001168330.....568
1001162661.....789	1001163637 279	1001166451 257	1001168331.....568
1001162662.....787, 1044	1001163639 979, 1045	1001166565 247, 253	1001168341.....53, 55
1001162663.....789	1001163704 59	1001166566 249, 251	1001168342J.....55
1001162667.....789	1001163712 59	1001166634 525, 531	1001168368.....55
1001162670.....671, 673, 705	1001163723 275	1001166703 927	1001168456.....568
1001162674.....705, 707	1001164019 47	1001166704 912, 927	1001168464.....711, 731
1001162685.....753, 755	1001164036 743, 773, 775	1001166716 247	1001168469.....671, 673, 703
1001162765.....787	1001164183 47	1001166727 997	1001168482.....843, 845
1001162789.....495, 615	1001164402 937, 939	1001166754 485	1001168486.....73
1001162886.....866	1001164404 289	1001166755 485	1001168546.....53, 57
1001162887.....866	1001164436 39	1001166763 869	1001168547.....57
1001162920.....639	1001164454 39	1001166764 871	1001168560.....289
1001162922.....639	1001164498 555, 557	1001166925 269	1001168561.....57
1001162953.....568, 579	1001164567 93	1001166975 79	1001168567.....57, 69
1001162979.....661	1001164615 555	1001166993 269	1001168587.....57
1001163029.....57, 59	1001164655 543	1001167001 649	1001168589.....59
1001163034.....55, 57, 59	1001164726 523	1001167015 591	1001168602.....53, 59
1001163035.....57	1001164860 741	1001167017 987	1001168603.....59
1001163067.....35, 787	1001164870 679	1001167050 817	1001168629.....701, 709
1001163072.....683	1001164871 85	1001167051 817, 819, 937	1001168630.....59, 71
1001163073.....683	1001164881 87	1001167078 263, 265, 279	1001168632.....71
1001163082.....263, 265, 275	1001164884 81, 83	1001167167 289	1001168638.....289, 291
1001163103.....55, 57	1001164885 81, 83	1001167168 289	1001168644.....39
1001163112.....55, 57	1001164971 701	1001167186 313	1001168658.....53
		1001167266 579, 583	1001168760.....27, 29

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001168784.....	399, 403	1001170231.....	639	1001172346.....	73, 75	1001174356.....	263, 265
1001168785.....	397, 399	1001170320.....	923, 925	1001172350.....	75	1001174426.....	847, 851
1001168786.....	397	1001170326.....	551	1001172352.....	77	1001174478.....	39, 659
1001168795.....	235	1001170366.....	495	1001172353.....	77	1001174581.....	601
1001168797.....	235	1001170374.....	505	1001172401.....	493, 495,	1001174712.....	1001
1001168822.....	287	1001170495.....	497, 505	553		1001174741.....	607
1001168831.....	69	1001170500.....	499, 513	1001172495.....	841	1001174795.....	293
1001169009.....	227	1001170502.....	513, 521	1001172496.....	841	1001174800.....	607
1001169011.....	227, 259	1001170504.....	594, 598	1001172536.....	991	1001174801.....	607
1001169012.....	227, 249	1001170515.....	555, 557	1001172547.....	565, 568,	1001174832.....	267
1001169146.....	937	1001170518.....	594, 598	1045		1001175201.....	291
1001169151.....	568, 821	1001170549.....	683	1001172550.....	565, 568	1001175265.....	866, 951
1001169155.....	257, 259	1001170566.....	941, 943	1001172553.....	565, 568	1001175267.....	947, 952
1001169173.....	263, 265	1001170601J.....	523	1001172591.....	267, 269	1001175269.....	311
1001169174.....	263, 265	1001170603.....	499, 537	1001172606.....	594	1001175347.....	698
1001169207.....	281	1001170616.....	395	1001172608.....	594	1001175368.....	49
1001169209.....	71	1001170624.....	941, 943	1001172644.....	29	1001175470.....	551
1001169214.....	71	1001170628.....	81	1001172728.....	847, 849	1001175471.....	549
1001169265.....	23	1001170631.....	83	1001172755.....	304, 308	1001175477.....	523
1001169268.....	647, 1045	1001170645.....	27, 29	1001172774.....	619	1001175570.....	703
1001169278.....	53, 61	1001170665.....	27, 29	1001172822.....	39, 983	1001175677.....	691, 995
1001169279.....	61, 63	1001170712.....	91	1001172953.....	273	1001175683.....	91
1001169281.....	53, 63	1001170717.....	591	1001172954.....	389, 391	1001175699.....	698
1001169350.....	389, 397	1001170740.....	923	1001172979.....	1029	1001175713.....	685, 687
1001169351.....	389, 395	1001170741.....	923	1001172994.....	91	1001175718.....	675
1001169354.....	657, 665	1001170749.....	923	1001172995.....	91	1001175733.....	993
1001169355.....	665	1001170816.....	923, 925	1001172996.....	91	1001175741.....	691
1001169365.....	941, 943	1001170944.....	525	1001172997.....	91	1001175776.....	991, 993
1001169367.....	665	1001170993.....	549	1001173091.....	927, 941	1001175789.....	671, 685
1001169373.....	63	1001171037.....	533	1001173092.....	973, 977	1001175814.....	703
1001169375.....	675	1001171153.....	31, 33	1001173257.....	623	1001175903.....	598
1001169376.....	675	1001171154.....	31, 35	1001173298.....	523	1001175904.....	594
1001169378.....	675	1001171179.....	35	1001173411.....	879	1001176004.....	927
1001169379.....	63	1001171182.....	521	1001173419.....	495	1001176121.....	545, 551
1001169393.....	281	1001171183.....	521	1001173422.....	1006, 1014,	1001176164.....	587
1001169409.....	287	1001171242.....	475	1022		1001176228.....	231
1001169410.....	287	1001171277.....	1006, 1010,	1001173429.....	1006	1001176272.....	505, 537
1001169454.....	33	1014, 1019, 1022, 1026		1001173431.....	1022	1001176273.....	505, 537
1001169461.....	35	1001171318.....	27	1001173433.....	1014	1001176333.....	883
1001169602.....	33	1001171450.....	53	1001173446.....	698	1001176338.....	887
1001169603.....	594, 598	1001171634.....	533	1001173450.....	698	1001176515.....	105
1001169604.....	598	1001171701.....	289	1001173451.....	698	1001176626.....	505, 537
1001169605.....	594, 598	1001171756.....	615	1001173452.....	263, 265	1001176935.....	912, 927
1001169674.....	1029	1001171764.....	81, 93	1001173457.....	263, 265	1001176945.....	289
1001169751.....	657	1001171767.....	549	1001173468.....	27, 29	1001177597.....	865, 913,
1001169763.....	647	1001171772.....	27, 29	1001173471.....	53, 683	1044	
1001169825.....	901	1001171808.....	89	1001173527.....	995, 997	1001177654J.....	49
1001169830.....	685, 687,	1001171874.....	639	1001173530.....	817, 941	1001177702.....	715
698		1001171885.....	21	1001173531.....	817, 923	1001177704.....	698
1001169850.....	283	1001171889.....	483	1001173538.....	65	1001178123.....	615
1001169881.....	523, 531	1001171890.....	483, 487	1001173539.....	65	1001178170.....	568
1001169883.....	533	1001171962.....	987	1001173540.....	65	1001178670.....	663, 809
1001169885.....	533	1001172035.....	1006, 1010,	1001173541.....	53, 65	1001178706.....	1035
1001169965.....	263, 265	1014, 1019, 1022, 1026		1001173546.....	263, 265	1001178729.....	479
1001170071.....	33	1001172075.....	741	1001173626.....	283	1001178783.....	887
1001170072.....	33	1001172077.....	741	1001173702.....	731, 733	1001178791.....	291
1001170100.....	671, 673,	1001172078.....	741	1001173739.....	91	1001178826.....	613
675		1001172088.....	639	1001173765.....	819, 921	1001178933.....	859
1001170171.....	325, 327,	1001172094.....	639	1001173849.....	855	1001179008.....	515, 517,
331, 333, 335, 337,		1001172134.....	83, 741	1001173956.....	683	519, 613	
339, 341, 343, 345,		1001172146.....	35	1001173957.....	683	1001179009.....	515, 517,
347, 349, 351, 353,		1001172147.....	35	1001173965.....	594, 598	519, 613	
355, 357, 359, 361,		1001172178.....	315	1001174271.....	289, 297	1001179080.....	579
363, 365, 367, 369,		1001172193.....	501, 509,	1001174295.....	523, 535	1001179081.....	579
371, 373, 375, 377,		531		1001174320.....	509	1001179130.....	579, 581
379, 381, 383, 385, 387		1001172344.....	73, 79	1001174321.....	525	1001179206.....	283, 289
1001170215.....	923	1001172345.....	73, 77	1001174338.....	698	1001179297.....	1035

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001179376.....267	1001184493.....935	1001189054.....577	1001194421.....865, 889
1001179484.....601	1001184496.....935	1001189299.....679	1001194534.....247
1001179548.....27	1001184551.....916	1001189308.....679	1001194785.....91
1001179968.....283, 285	1001184632. 1006, 1010,	1001189492.....57	1001194787.....91
1001179972.....283	1014, 1019, 1022, 1026	1001189663.....679, 681	1001194789.....91
1001179973.....285	1001184640.....743, 779	1001189714.....55	1001194978.....37
1001180076.....231, 317	1001184835.....905, 935	1001189793.....57, 59	1001194981.....787
1001180078.....317	1001184975.....598	1001189888.....780	1001195089.....931, 933
1001180226.....285	1001185179.....594, 598	1001190179.....835	1001195217.....675
1001180227.....285	1001185278.....249	1001190322.....913, 915	1001195342.....583
1001180242.....231, 933	1001185497.....259	1001190347.....594	1001195343.....583
1001180263.....619, 623	1001185498.....257	1001190585.....923	1001195345.....583
1001180306.....698	1001185505.....259	1001190589.....594, 598	1001195346.....583
1001180542.....271, 273	1001185633.....609	1001190670.....835, 837,	1001195385.....583
1001180553.....271, 273	1001185823.....916	841	1001195386.....583
1001180620.....937	1001185824.....916	1001190671.....835, 837,	1001195437.....583
1001180682.....887	1001185846.....609	959	1001195438.....583
1001180683.....887	1001186225.....325	1001190921.....912	1001195518.....235
1001181128.....919, 921	1001186342.....304, 308	1001190980.....304	1001195781.....913
1001181411.....521	1001186418.....698	1001191091.....535	1001195782.....913
1001181531.....855, 857	1001186705.....245	1001191168.....297	1001195849.....1006
1001181537.....39	1001186843.....698	1001191229. 1006, 1010,	1001195851.....1014
1001181543.....649, 651	1001186898.....247, 249	1014, 1019, 1022, 1026	1001195855. 1006, 1014,
1001181625.....271, 273	1001187070.....912, 913,	1001191348.....283	1026
1001181815.....283	915, 916	1001191486.....905	1001195878.....501, 509
1001181920.....505, 537	1001187075.....947	1001191487.....1014	1001195970.....117
1001181921.....505, 537	1001187076.....946, 952	1001191503.....741	1001195972.....489
1001181961.....839	1001187077.....927	1001191505.....741	1001196076.....555, 557
1001182011.....271, 273	1001187078.....825, 915,	1001191603.....41	1001196100.....973
1001182012.....271, 273	952	1001191617.....594, 598	1001196404.....23
1001182094.....319	1001187079.....825, 913,	1001191635.....41	1001196422.....23
1001182123.....505, 537	915, 947	1001192042.....703	1001196426J.....23
1001182139.....505, 537	1001187080.....913, 947	1001192142.....919, 921,	1001196440.....301, 304,
1001182279.....707, 785	1001187335.....489, 491	1045	308
1001182328.....609	1001187532.....851	1001192240.....601	1001196491.....245
1001182671.....645	1001187623.....925	1001192303.....819	1001196806. 1006, 1010,
1001182839.....541	1001187624.....925	1001192305.....819, 943	1014, 1026
1001182911.....709	1001187785.....61, 63	1001192309.....523	1001197138.....639, 641,
1001183024.....503, 511,	1001188048.....489, 491	1001192341.....709	1044
1045	1001188244.....55	1001192393.....829	1001197139.....639, 643
1001183177.....249	1001188372. 1006, 1010,	1001192394.....833	1001197217.....611
1001183221.....849	1014, 1019, 1022, 1026	1001192401.....899, 946	1001197218.....611
1001183550.....601	1001188590.....565, 568	1001192435.....691	1001197219.....611
1001183759.....289	1001188592.....577	1001192468.....931, 933	1001197259.....611
1001183827.....255	1001188594.....573, 577	1001192471.....931, 933	1001197282.....979
1001183829.....255	1001188602.....573, 577	1001192643.....527	1001197299.....304, 308
1001183830.....249	1001188603.....573, 577	1001192644.....529	1001197339.....21
1001183831.....247	1001188604.....573, 577	1001192646.....523	1001197407.....912, 916
1001183835.....247, 249,	1001188610.....573, 577	1001192711.....223	1001197600.....773, 807
255	1001188612.....573, 577	1001192720.....223	1001197709.....457
1001183836.....289	1001188614.....573, 577	1001192766.....523, 527	1001197715.....457
1001184017.....245	1001188618.....577	1001192836.....479	1001197716.....457
1001184056.....843	1001188619.....577	1001192875.....223	1001198291.....457
1001184076.....23	1001188637.....675	1001192876.....223	1001198321.....919, 921
1001184280.....577	1001188720.....573, 577	1001192877.....223	1001198355.....223
1001184296.....573, 577	1001188725.....573, 577	1001193026.....241, 243	1001199099.....919, 921
1001184297.....573, 577	1001188729.....573, 577	1001193171.....819, 925	1001199183.....831
1001184403.....581	1001188733.....573	1001193210.....531	1001199328.....1049
1001184404.....581	1001188787.....843, 845	1001193540.....223	1001199333.....1048
1001184405.....581	1001188817.....577	1001193577.....91	1001199334.....1048
1001184406.....581	1001188818.....577	1001193578.....91	1001199362.....1049
1001184427.....577	1001188971.....698	1001193579.....91	1001199366.....1049
1001184439.....523	1001189023.....577	1001193729.....223	1001199376.....1048
1001184473.....961	1001189024.....577	1001193771.....675	1001199378.....1049
1001184479.....961	1001189025.....573, 577	1001193993.....919, 921	1001199380.....1048
1001184484.....843, 845	1001189046.....905	1001194282.....663	1001199381.....1048
1001184491.....935	1001189048.....577	1001194286.....227, 931	1001199382.....1048

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001199670.....	297	1001205255.....	925	1001211992.....	1048	1001220540.....	485
1001200082.....	941, 943	1001205335.....	75	1001212011.....	535	1001220760.....	325
1001200101.....	1006, 1010, 1014, 1019, 1022, 1026	1001205402.....	507	1001212047.....	515	1001220817.....	973
1001200102.....	923, 925	1001205532.....	523, 525	1001212048.....	517	1001220829.....	973
1001200152.....	1001	1001205756.....	685, 687	1001212049.....	515	1001221057.....	577
1001200239.....	317	1001205976.....	539	1001212050.....	517	1001221058.....	577
1001200538.....	969	1001206019.....	319	1001212369.....	585	1001221059.....	565, 568
1001200539.....	971	1001206332.....	241	1001212419.....	1031	1001221295.....	565, 568
1001200555.....	239	1001206371.....	1033	1001212470.....	855, 857, 1045	1001221318.....	539, 541
1001200989.....	55, 57, 59	1001206432.....	53	1001213065.....	39, 783	1001221319.....	539, 541
1001201080.....	946	1001206448.....	241	1001213126J.....	23	1001221504.....	447
1001201162.....	897	1001206588.....	304, 308	1001213200J.....	447	1001221520.....	687
1001201331.....	615	1001206746.....	29	1001213210.....	297, 299	1001221527.....	687
1001201646.....	27, 29	1001206980.....	261	1001213286.....	1048	1001221742.....	687
1001201885.....	889	1001207171.....	913	1001213289.....	1049	1001221749.....	663
1001202133.....	627	1001207173.....	947	1001213289.....	1049	1001222609.....	649, 653, 1044
1001202134.....	625	1001207217.....	1006	1001213331.....	525	1001222650.....	1006, 1010, 1019, 1022, 1026
1001202138.....	625	1001207218.....	1010, 1019, 1022	1001213334.....	1048	1001222715.....	909, 915
1001202247.....	261	1001207282.....	315	1001213336.....	1048	1001222741.....	525
1001202371.....	1048	1001207291J.....	39	1001213339.....	1048	1001223265.....	594, 598
1001202454.....	857	1001207292.....	39	1001213340.....	1048	1001223453.....	1006, 1014
1001202487.....	261	1001207343.....	27, 29	1001213342.....	1048	1001223455.....	865, 866
1001202491.....	261	1001207357.....	315	1001213343.....	1048	1001223456.....	867
1001202498.....	957	1001207557.....	315	1001213344.....	1048	1001223457.....	866, 867
1001202512.....	475, 491	1001207594.....	511, 541	1001213349.....	1048	1001225462.....	689, 691
1001202513.....	475	1001207606.....	191	1001213350.....	1048	1001225464.....	689, 691
1001202519.....	897	1001207963.....	594, 598	1001213448.....	946	1001225467.....	699
1001202526.....	287	1001208106.....	487	1001213752.....	539, 541	1001225681.....	689
1001202617.....	897	1001208186.....	283	1001213791.....	523	1001225682.....	691
1001202620.....	987	1001208192.....	629	1001213988.....	859, 863	1001225749.....	671, 673, 711
1001202621.....	987	1001208308.....	594, 598	1001214092.....	585	1001225750.....	711, 717
1001202622.....	987	1001208338.....	475	1001214156.....	607	1001225751.....	717, 719
1001202626.....	1019	1001208643.....	1049	1001214167.....	1049	1001225752.....	719, 721
1001202786.....	475, 491	1001208644.....	1049	1001214220.....	639	1001226035.....	689, 737
1001202847.....	698	1001208646.....	1048	1001214326.....	493, 495, 507	1001226575.....	673, 687
1001202904.....	209, 211, 213, 215, 217, 219, 221	1001208847.....	1049	1001214331.....	493, 497	1001226876.....	753
1001202986.....	39, 304, 308, 909, 941, 943	1001208881.....	699	1001214332.....	495, 499	1001227056.....	691, 693
1001203067.....	685, 687	1001209028.....	539	1001214401.....	541	1001227077.....	261
1001203181.....	261, 1045	1001209387.....	25	1001214468.....	703	1001227137.....	691
1001203225.....	857	1001209388.....	23	1001214480.....	661, 663	1001227186.....	509
1001203502.....	698	1001209463.....	631	1001214535.....	609	1001227187.....	531
1001203503.....	223	1001209625.....	1014	1001214653.....	783	1001227188.....	531
1001203932.....	21	1001209899.....	505, 537	1001214654.....	783	1001227379.....	173
1001203933.....	21	1001209981.....	1049	1001215319.....	293, 295	1001227382.....	175
1001203934.....	21	1001210340.....	679	1001215476.....	261	1001227386.....	671
1001204032.....	261, 791	1001210341.....	1048	1001215531.....	525	1001227388.....	673
1001204045.....	59	1001210342.....	1048	1001215898.....	946	1001227497.....	671, 673, 698
1001204047.....	59	1001210390.....	741, 769	1001215941.....	261, 1045	1001227670.....	105, 109, 111, 113, 115, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 147, 191, 196, 201, 209
1001204060.....	971	1001210450.....	937	1001217467.....	319	1001227677.....	743, 753
1001204066.....	525	1001210707.....	35	1001218255.....	201	1001227802.....	523
1001204086.....	23	1001210782.....	487	1001218341.....	49	1001227964.....	261
1001204095.....	835, 957	1001211041.....	629	1001218358.....	825	1001228273.....	261
1001204115.....	525	1001211059.....	843, 845	1001218524.....	695	1001228643.....	261
1001204120.....	525	1001211139.....	141	1001218542.....	565, 568	1001228872.....	287
1001204144.....	289	1001211428.....	315	1001218659.....	1006	1001228989.....	969, 971
1001204152.....	685, 687	1001211429.....	315	1001218704.....	1006, 1010, 1019	1001229235.....	477
1001204225.....	639	1001211432.....	33, 315	1001218996.....	565, 568	1001229540.....	603
1001204486.....	23	1001211516.....	139	1001219076.....	594, 598		
1001204528.....	969	1001211693.....	859	1001219082.....	261		
1001204530.....	969	1001211747.....	315	1001219191.....	687, 695		
1001204598.....	495	1001211775.....	948	1001219211.....	1010, 1014, 1019, 1022, 1026		
1001204709.....	613	1001211907.....	594, 598	1001219212.....	1006		
1001205172.....	913, 1045	1001211919.....	1048	1001219220.....	505, 537		
1001205254.....	925	1001211944.....	837	1001219865.....	594, 598		
		1001211985.....	1048				
		1001211987.....	1048				
		1001211991.....	1048				

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001229541.....605	1001235796.....1026	1001251073 779, 780	1001263011.....461
1001229550.....603	1001235797.....1026	1001251095 743, 765,	1001263046.....741
1001229551.....605	1001235798.....1026	767	1001263075.....1049
1001229575..1006, 1014,	1001235799.....1026	1001252086 1049	1001264415.....539
1022	1001235800.....1026	1001252522 759	1001264534.....989
1001229707.....1037	1001235801.....1026	1001252567 725, 801	1001264536.....989
1001229799.....1049	1001235802.....1026	1001252571 723	1001264700.....461
1001230107.....1049	1001235803.....1026	1001253078 698	1001264713.....461
1001230163.....535	1001235804.....1026	1001253079 698	1001264844.....999
1001230239.....107	1001235805.....1026	1001253083 703	1001264861.....999
1001230241.....107	1001235807.....1026	1001253086 699	1001264884..... 743, 765
1001230310...1006, 1010	1001235808.....1026	1001253088 703	1001264976.....571, 575
1001230311.....1014	1001235809.....1026	1001253089 698	1001265008.....879
1001230402.....825	1001235921.....1049	1001253097 685, 687	1001265200.....627, 999
1001230403.....825, 826	1001235963..... 21, 25	1001253099 698	1001265372.....1048
1001230404.....826	1001236308.....1026	1001253102 698	1001265378.....1048
1001230599.....963	1001236312.....1026	1001253103 685, 687	1001265979.....989
1001230623.....963, 965	1001236542.....491	1001253107 699	1001265980.....989
1001230713J.....477, 479	1001237212.....866	1001253112 698	1001266488.....557
1001230765.....145, 147,	1001237845.....519	1001253154 685	1001266971.....941, 943,
149, 151, 153, 155,	1001237846.....1041	1001253155 687	951
157, 159, 161	1001237852.....519	1001253156 685	1001267969.....773, 775,
1001230931.....865	1001238560..... 103, 223	1001253158 687	777
1001231002.....301	1001238565 . 97, 99, 101,	1001253159 703	1001267970.....759, 761
1001231003.....301	103	1001253160 698	1001268341.....1048
1001231244.....479	1001238566.....223	1001253252 723, 725	1001268744.....557, 889
1001231397.....825, 826	1001238570.....223	1001253253 727, 729	1001268804.....557
1001231398.....825, 826,	1001238653.....97	1001253331 955	1001268827.....565, 571
889, 947	1001238654.....101	1001253371 717, 727	1001268828.....571, 573
1001231399.....947	1001238655.....99	1001254390 1048	1001268829.....571, 575
1001231400.....825, 826,	1001238953.....1048	1001254400 1048	1001268830.....571, 575,
889, 947	1001239510.....295	1001254401 1048	961
1001231401.....825, 826	1001239511.....295	1001256073 501, 509	1001268831.....568, 575
1001231402.....826	1001239539.....261	1001256952 661, 663	1001268832.....575, 577
1001231404.....826, 889,	1001239734..... 133, 137,	1001256974 667, 1045	1001268846.....594, 598
947	143	1001257058 539	1001269555.....573, 577
1001231406.....826, 889,	1001239793..... 855, 857,	1001257059 539	1001269556.....573, 577
947	1045	1001257067 539	1001269558.....573, 577
1001231407.....261, 823	1001239961.....1049	1001257069 539	1001269559.....573, 577
1001231483.....261, 825	1001241308.....527	1001257071 667	1001269560.....573, 577
1001231692.....107	1001241318.....289	1001257087 539	1001269561.....573, 577
1001231801.....1006	1001241337.....547	1001257763 698	1001269563.....573, 577
1001232147.....43	1001241482.....289	1001258099 547	1001269564.....573, 577
1001232288.....901, 919	1001241610..... 859, 885	1001258244 563	1001269578.....577
1001232299.....43, 45	1001241836.....21	1001258245 563	1001269579.....577
1001232336.....43, 45, 47	1001241837..... 451, 455	1001258563 503, 539	1001270117.....551
1001232338.....43	1001241841.....451	1001258605 169	1001270466.....859
1001232355.....181	1001241842.....455	1001258644 445, 503,	1001270467.....937, 1045
1001232377.....699	1001241848.....451	511	1001270468.....937, 1045
1001232439.....955	1001241849.....455	1001258808 503	1001270976.....565, 568
1001232500.....107	1001241879..... 721, 799	1001258809 511	1001271436.....871, 877
1001232556.....955	1001242098..... 659, 1044	1001258862 503, 511	1001272890.....1049
1001232588.....47	1001242644.....127	1001259062 503, 511,	1001272892.....1049
1001232624.....955	1001243187.....1048	981	1001273635.....965, 969,
1001232751.....835, 955	1001243214.....145	1001259082 845	971
1001233174.....989	1001244192..... 969, 971	1001259141 699	1001273991.....865
1001233217.....989	1001244193..... 969, 971	1001259206 179	1001274257.....1049
1001233434.....989	1001245914.....1049	1001259457 473	1001274300.....879
1001234127..... 729, 805	1001246001.....473	1001259635 473	1001274302.....1049
1001234139.....45	1001246022.....145	1001260509 935	1001274303.....469
1001234253.....45	1001246391..... 912, 916	1001260572 699	1001274304.....469
1001234277.....727	1001246533.....39	1001260573 699	1001274305.....469, 1049
1001234455.....25	1001247421..... 991, 1045	1001260599 699	1001274306.....471
1001234800.....916	1001249695 .. 1048, 1049	1001260947 1049	1001274307.....471, 1049
1001235100.....315	1001249941 .. 1048, 1049	1001262072 855, 857	1001274533.....961
1001235696.....905, 912	1001250161.....887	1001262336 433, 440	1001274534.....961
1001235794.....1026	1001250331..... 701, 709	1001262959 1050	1001274535.....961

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001274536..... 961	1001286330..... 679	1319590..... 337	1706281..... 1010, 1019, 1022
1001274537..... 961	1001286468..... 677, 679	1319593..... 341, 343, 345, 347, 349, 351	1706282..... 1010, 1019, 1022
1001274538..... 961	1001286941..... 891, 893, 895	1319594..... 341, 343, 345, 347, 349, 351	1706284..... 1010, 1019, 1022
1001274539..... 961	1001287012..... 891, 893	1319595..... 341, 343, 345, 347, 351	1706285..... 1010, 1019, 1022
1001274540..... 961	1001287742..... 113, 115	1319596..... 345, 347, 351	1706288..... 1010, 1019, 1022
1001274541..... 961	1001289105..... 445	1319600..... 341, 343, 345, 347, 349, 351	1706292..... 1010, 1019, 1022
1001274543..... 961	1001289296..... 445	1319601..... 341, 343, 345, 347, 349, 351	1706296..... 1006
1001274544..... 961	1001289479..... 989	1319602..... 341, 343, 345, 347, 349, 351	1706299..... 1006
1001274553..... 961	1001289559..... 293	1319605..... 345, 347, 351	1706300..... 1006
1001274718..... 1049	1001289561..... 291, 293	1319607..... 345	1706301..... 1006
1001274719..... 465	1001289792..... 891	1319608..... 345, 355	1706302..... 223, 1006
1001274720..... 465	1001289812..... 893	1319614..... 347	1706306..... 1006
1001274721..... 465, 1049	1001289855..... 679	1319615..... 341, 343, 347, 351	1706768..... 1006
1001274889..... 1049	1001290616..... 1048	1319617..... 341, 343	1706850..... 1006
1001274890..... 1049	1001290669..... 445	1319618..... 341, 343	1706892..... 97
1001274892..... 1049	1001291056..... 891, 893	1319620..... 341, 343	2080040..... 103
1001275150..... 1049	1001291182..... 897, 899	1319621..... 341, 343	2080078..... 521
1001275637..... 451, 455, 463	1001291382..... 1048	1319622..... 341, 343	2080086..... 501, 509
1001275638..... 451, 455, 463	1001291685..... 989	1319623..... 341, 343	2080087..... 501, 509
1001275841..... 113, 115	1001293104..... 493, 545	1319624..... 341, 343	2110404..... 689
1001275852..... 115	1001293182..... 141, 749	1319625..... 341, 343	2110406..... 721, 725
1001275853..... 113	1001293251..... 775	1319626..... 341, 343	2110408..... 715
1001275929..... 555, 559	1001294608..... 989	1319627..... 341, 343	2110604..... 725
1001275931..... 557, 561	1001294815..... 1037	1319628..... 341, 343	2110606... 133, 137, 143, 715, 721, 725, 729, 793
1001275933..... 559, 563	1001296815..... 1010	1319629..... 341, 343	2110610..... 681, 707
1001276666..... 143	1001296825..... 1019	1319630..... 341, 343	2110808..... 39, 401, 695, 715, 725, 735
1001276760..... 1029	1001297247..... 651	1319631..... 341, 343	2110810..... 681, 779
1001276761..... 1029	1001297563..... 989	1319632..... 341, 343	2111008... 691, 725, 729
1001276923..... 1048	1001297803..... 651	1319633..... 351	2111010... 691, 715, 721
1001277290..... 133	1001298306..... 651, 655	1319635..... 341, 343, 351	2111212..... 753
1001277338..... 137	1001298454..... 651	1319636..... 341, 343, 351	2111616..... 721, 787
1001278028..... 843	1001298623..... 651	1319637..... 387	2130404... 661, 663, 691
1001278325..... 1049	1001301599..... 141	1319638..... 387	2130406..... 701, 715
1001278919..... 293	1001301600..... 141	1319683..... 359	2130604..... 689, 691
1001279167..... 1029	1001302410..... 989	1319684..... 359	2130606... 131, 709, 721, 725, 793
1001280434..... 989	1001302426..... 1049	1319685..... 359	2130608..... 131
1001280435..... 989	1001306315..... 946	1319686..... 359	2130806..... 709
1001280661..... 891, 893	1060379..... 103	1319687..... 359	2130808... 133, 137, 143, 661, 663, 725
1001281182..... 463	1060626..... 841, 959	1319688..... 359	2130810..... 275, 681
1001281184..... 463	1062255... 227, 241, 905, 909	1319689..... 359	2131010..... 275
1001281186..... 463	10700681..... 189	1319694..... 359	2131210..... 325, 721
1001281268..... 941, 943, 946	10705034..... 131	1319719..... 363	2131212..... 281
1001281297..... 321	10713707..... 937	1319726..... 367	2131616..... 275, 725
1001281298..... 321	10719267..... 257	1320022..... 568	2144605..... 401, 431
1001281301..... 321	10725554..... 411, 440	1320219..... 699	2150404..... 681, 769
1001281302..... 321	10731709... 337, 359, 363	1320748..... 383, 385	2150808... 431, 695, 735
1001281303..... 321	10731744..... 339	1320754..... 383, 385	2151210..... 689, 691
1001281304..... 321	10731845... 345, 347, 351	1321094..... 229, 233	2151212..... 689, 691
1001281305..... 321	10731959..... 387	1321329..... 683	2160016... 39, 55, 57, 75, 77, 85, 701, 709
1001281354..... 321	10732071..... 359	1321752..... 703	2170108..... 715
1001281360..... 321	10732072..... 359	1322039..... 229, 233	2170110..... 721
1001281366..... 321	10732095..... 357	1322040..... 229, 233	2170208..... 661, 663
1001281468..... 321	10837928..... 799	1701509..... 103	2170212..... 281
1001281656..... 321	10837929..... 799	1702631..... 1006, 1014, 1022, 1026	2170216..... 275
1001281888..... 321	10837937..... 799	1702773..... 97, 99, 101	2170306..... 709, 721
1001282009..... 321	1170021..... 129	1704277..... 103	2170308..... 675, 695
1001282010..... 321	1170024..... 135	1704885..... 97, 99, 101	
1001282011..... 321	120034..... 859, 869, 871	1706098..... 1010, 1019, 1022	
1001282322..... 859, 865	1319229..... 331		
1001283420..... 871, 883	1319436..... 381		
1001283990..... 321	1319558..... 335		
1001285715..... 855, 857	1319563..... 335		
1001286175..... 279	1319571... 337, 339, 355, 369, 381		
1001286329..... 677	1319576..... 355		

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

2170316.....275	3290801 ... 241, 257, 259,	4031918 679	4460748.....913
2170350.....725	289, 297, 523, 635,	4031920 773	4460761.....825, 863
2170404.....707	687, 905, 937	4031921 691	4460789.....821, 912
2170406.....729	3290805 ... 477, 479, 503,	4031922 775	4460809.....825
2170510.....699	511, 643, 733	4032017 723	4460836.....879, 947, 948
2170806.....401, 431, 725	3290806.....521	4060807 699	4460884.....825, 865, 880,
2170810.....729	3291001 ... 247, 249, 263,	4060919 685, 687, 698	899, 927, 947, 951, 999
2171210.....677, 679	265, 283, 289, 921, 923	4105262 89	4460891.....825, 912, 913,
2171308.....677, 679	3291005 89, 679, 701,	4109801 1006, 1010,	915, 927, 946, 951,
2172106....133, 137, 143,	709, 923, 925, 941, 943	1014, 1019, 1022, 1026	983, 985, 997, 999
721	3291007 113, 115	4110422 ... 107, 109, 111,	4460894....865, 866, 927,
2172108.....677, 681	3291201 ...43, 45, 55, 727	113, 115	946, 951, 975
2172110.....677, 679	3291205 ...39, 75, 77, 641	4110473 131	4460897....866, 877, 946
2180467.....279	3291605 75, 77, 79, 85	4240033 627	4460899....821, 866, 885,
2180849.....677, 679	3292001 487	4240099 ... 679, 685, 687,	946, 983
2200223.....237, 263	3300240 ... 129, 133, 135,	957, 959	4460906.....879
2200224.....271, 273	137, 139, 143	4460225 866, 879	4460930....866, 883, 895,
2220218.....317	3311405 47, 103	4460265 866	913, 927, 951
2220237.....263, 265	3311502 223	4460267 ... 863, 866, 867,	4460931.....849
2220239.....787	3311505 555, 557	879, 880, 883	4460932....823, 865, 880,
2220240.....787	3311508 841	4460268 ... 863, 866, 867,	946, 967, 981, 993
2220242.....275	3331615 235	879, 880, 883	4460933....866, 912, 916,
2220415.....141	3332011 53, 485	4460321 825, 863	946, 947, 948, 951, 983
2220473.....141	3340829 47	4460343 ... 866, 867, 879,	4460934.....912
2220810.....317	3391410 223	880, 883	4460935.....912
2220883.....780, 783, 807	3421453 103	4460367 880, 883	4460941....821, 865, 877,
2220885.....709	3423242 135, 137	4460434 866, 867, 883	880, 951, 975, 977, 983
2220886.....783	3423275 129, 133	4460458 ... 825, 913, 916,	4460942....877, 879, 880,
2221116.....725	3423276 139, 141, 143	951, 967	946, 947, 948, 951,
2221229.....707	3423307 ... 133, 137, 143	4460464 ... 821, 823, 825,	975, 983, 999
2221244.....699	3440620 107	849, 865, 866, 885,	4460943....849, 865, 877,
2340037.....163	3520072 103	889, 899, 912, 915,	916
2340038.....167	3520186 41	927, 946, 951, 967,	4460944....865, 883, 912,
2340039.....177	3520198 103	981, 983, 993	927, 947
2340045.....165	3575947 311	4460465 ... 825, 865, 866,	4460945....825, 865, 946
24921332.....283, 289	3740080 ... 261, 889, 946,	877, 879, 883, 895,	4460950....912, 915, 946,
2600281.....103	1045	899, 912, 913, 915,	983
2716143.....201	3760170 103	916, 927, 946, 947,	4460955.....913, 915
2717160.....131	3760348 639	948, 951, 983, 985,	4460970....912, 915, 951,
2717161.....131	3760463 65	997, 999	975, 977, 983
2717162.....131	3760493 65, 709	4460466 ... 825, 849, 865,	4460982.....927
2717283.....131, 757	3790151 261	866, 877, 883, 885,	4460984.....865
2717287.....141	3790152 261	895, 899, 912, 913,	4460994.....880, 999
2920207.....973	3790228 698	915, 916, 927, 946,	4461005.....913, 915
2920208.....973	3820020 103	947, 948, 951, 967,	4461006.....912, 915
2940074.....103, 1044	3841203 133, 137, 143	975, 977, 981, 983,	4461015....877, 946, 999
31200160.....97	3900379 .27, 29, 603, 605	985, 999	4461016.....865
31200386.....99	3931632 723	4460467 1049	4461017.....849
31200387.....101	4000015 1045	4460475 825	4461018.....951
31200388.....101	4010415 845	4460496 ... 859, 871, 913,	4461054.....913, 977
3251813.....1006, 1010,	4010508002 594, 598	915	4461095.....912, 916
1014, 1019, 1022, 1026	4010510 649	4460497 ... 859, 871, 913,	4461115.....880, 967
3290401....565, 568, 891,	4010608002 523, 555,	915	4461118.....821, 951
893, 909, 987, 989	557, 594, 598, 607, 631	4460508 849, 912, 915	4461262.....951, 981
3290405.....527, 843	4010610 651	4460509 946, 948, 951	4461290.....901
3290501....859, 869, 871,	4010610002 594, 598,	4460510 1049	4469464.....913
955, 991	607, 843, 845	4460518 825, 946, 947	4520356.....473
3290505.....91, 261, 547,	4010612002 531	4460536 889, 983	4520482.....459
645, 667	4031205 987	4460539 ... 825, 865, 866,	4641122.....473
3290601.....91, 223, 239,	4031607 667, 787	883, 927, 946, 951, 983	4641501.....793, 795
304, 308, 568, 607,	4031608 905, 955	4460608 ... 912, 913, 915,	4641502.....131, 793
639, 713, 843, 845,	4031608001 594, 598	916	4679000268.....47
859, 909, 919, 921,	4031708 539	4460705 879	4711400.....103
955, 965	4031708001 591	4460708 879	471678.....615
3290605 25, 71, 594, 598,	4031910 619, 623	4460742 825	4740003.....87
923, 925	4031912 733	4460744 866	4740274.....263, 265
3290607.....973	4031917 753	4460746 866, 916	4740532.....705

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

4751400 47	4831700 ... 301, 304, 308, 607	70021399.....123	70022948 201
4761400 845		70021415.....109, 111	70022949 .. 196, 197, 201
4761800 698	4831900 ... 313, 565, 568, 639	70021440...105, 745, 763	70022950 196, 201
4807718 587		70021444.....745, 763	70022951 201
4811400 ... 113, 115, 119, 121, 125, 129, 133, 135, 137, 139, 141, 143, 565, 568, 891, 893, 909, 987, 989	4832000 263, 265	70021445.....745	70022952 196
4811600 91, 261, 547, 594, 598, 905, 955, 991	4832100 263, 265	70021446.....745, 763	70022957 196, 202
4811602001 594, 598	4871700 941, 943	70021447.....745, 763	70022960 196, 202
4811700 ... 25, 27, 29, 53, 71, 91, 223, 239, 297, 304, 308, 489, 491, 501, 509, 523, 539, 541, 555, 557, 568, 591, 607, 615, 631, 639, 713, 859, 905, 909, 919, 921, 923, 925, 933, 937, 941, 943, 955, 965, 969, 971, 973	4891800 133, 137, 143	70021448.....745, 763	70022966 202
	4892600 403, 433	70021451.....745, 763	70022969 196, 202
	5220600 971	70021452.....745, 763	70022970 196, 202
	5220800 839, 841	70021464.....763	70022971 201
	5241000 113, 115	70021465.....763	70022972 201
	5241600 741	70021466.....763	70022973 201
	5242400 223, 701, 709	70021526.....355	70022974 201
	5250608 583	70021531.....803	70022975 201
	5250814 27, 29	70021606.....440	70022976 201
	5271609 991	70021607.....440	70022977 201
	5272012 445	70021609.....440	70022978 201
	6604662 141	70021610.....440	70022979 202
	70000656 359	70021611.....440	70022980 197, 201
	70002219 747	70021612.....440	70022982 201
	70002224 747	70021613.....440	70022984 196, 202
	70002955 805	70021614.....415, 442	70022985 196, 202
4811700001 594, 598	70002963 801, 805, 1044	70021867.....785	70022987 196, 202
4811702 ... 239, 255, 489, 491, 545, 607, 639, 661, 663, 829, 831, 833	70003788 807, 1044	70021920.....339	70022988 201
4811702001 523, 531, 594, 598, 649	70003849 747	70021921.....109, 111	70022990 197, 202
4811900 . 33, 57, 59, 239, 241, 243, 279, 285, 289, 291, 297, 477, 503, 511, 523, 525, 543, 555, 557, 568, 585, 609, 619, 621, 623, 635, 639, 661, 663, 675, 687, 689, 698, 727, 731, 733, 759, 787, 891, 893, 905, 909, 919, 921, 931, 937, 987, 989	70004654 797	70021935.....109, 111	70022992 196, 202
	70005433 780	70021977.....109, 111	70022993 196, 202
	70020002 127	70021978.....109, 111	70022994 196, 202
	70020004 213	70021979.....109, 111	70022995 196, 202
	70020028 127	70021980.....123	70022998 197, 201
	70020555 191, 193	70021981.....123	70022999 201
	70020562 123	70021982.....123	70023000 155, 201
	70020764 803, 1044	70022008.....799	70023001 201
	70020770 655	70022010.....799	70023003 196, 202
	70020867 797, 813	70022012.....799	70023004 196, 207
	70020868 797, 1044	70022014.....799	70023005 196, 207
	70021177 .. 409, 413, 440	70022028.....109, 111	70023006 196, 207
	70021208 797, 1044	70022075.. 341, 343, 345, 347, 349, 351	70023007 196, 207
	70021209 797	70022140.....411, 440	70023008 .. 196, 202, 207
	70021213 797	70022147.....797, 1044	70023009 196, 202
4811902 ... 21, 23, 27, 29, 249, 257, 259, 313, 565, 568, 607, 609, 698	70021227 349	70022152...109, 111, 123	70023010 196, 201
4812000 ... 21, 25, 27, 29, 35, 41, 89, 245, 247, 249, 263, 265, 271, 273, 283, 285, 289, 311, 325, 445, 477, 479, 661, 663, 679, 698, 701, 709, 719, 843, 845, 905, 919, 921, 923, 937, 941, 943, 973, 989	70021228 349	70022527.....109, 111	70023014 196, 202
	70021268 349	70022528.....109, 111	70023015 196
	70021269 349	70022529.....109, 111	70023016 .. 196, 201, 202
	70021342 111, 123	70022564.. 751, 767, 780, 783	70023086 755
	70021349 109, 111	70022634.....229, 233	70023327 797
	70021351 127	70022765.. 855, 857, 1044	70023369 .. 751, 780, 783
	70021358 123	70022814.....441	70023370 751
	70021359 123	70022931.....196, 201	70023372 751
	70021360 123	70022932.....196, 201	70023376 767
	70021361 123	70022933.....201	70023379 .. 751, 780, 783
	70021362 123	70022934.....196, 201	70023380 767
	70021364 123	70022935.....197, 201	70023404 337, 381
4812002 21, 23, 247, 249, 263, 265	70021365 123	70022936.....196, 201	70023469 411, 440
4812100 ... 33, 35, 39, 55, 75, 77, 83, 235, 317, 319, 641, 727, 923, 925	70021366 123	70022937.....196, 201	70023474 379
4812102 33, 263, 265, 475, 491	70021367 123	70022938.....201	70023475 381
4812300 .. 75, 77, 79, 235	70021376 127, 745	70022939.....197, 201	70023476 381
4812500 53, 485, 487	70021377 127	70022940.....201	70023489 441
4831400 ... 565, 568, 891, 893	70021378 127	70022941.....201	70023490 419, 441
4831600 787, 905, 955	70021379 127	70022942.....196, 201	70023491 419
	70021382 127	70022943.....201	70023493 441
	70021387 109, 123	70022944.....201	70023496 419
	70021389 127	70022945.....201	70023502 377
	70021391 123	70022946.....197, 201	70023736 229, 233
	70021392 123	70022947.....201	70023800 381
	70021393 123, 763		70023801 381

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

70023885.....	339, 371	70025887.....	411, 440	70026356.....	277	70026542.....	751
70023925.....	196, 202, 205	70025897.....	785	70026357.....	277	70026543.....	751
70023928.....	795	70025959.....	747	70026358.....	277	70026544.....	357, 359
70023929.....	795	70025970.....	407	70026359.....	277	70026545.....	751
70023933.....	229	70025972..	413, 421, 441	70026360.....	277	70026546.....	359
70024004.....	419	70025980.....	441	70026369.....	799	70026547.....	359
70024005.....	411, 419	70026002.....	441	70026370.....	799	70026548.....	359
70024016.....	229, 233	70026030.....	441	70026373.....	799	70026549.....	359
70024020.....	747	70026056.....	747	70026374.....	799	70026550.....	751
70024059.....	109, 111	70026057.....	747	70026375.....	799	70026554.....	359
70024060.....	111	70026058.....	747	70026376.....	799	70026555.....	359
70024062.....	105	70026059.....	747	70026377.....	799	70026556.....	359
70024127.....	155	70026060.....	747	70026378.....	799	70026558.....	373, 1044
70024129.....	159	70026061.....	747	70026380.....	799	70026559.....	375
70024146.....	413, 423, 442	70026062.....	747	70026381.....	799	70026561.....	359
70024147.....	421, 423, 441	70026081.....	277	70026383.....	799	70026568.....	797
70024186.....	785	70026082.....	277	70026389.....	799	70026569.....	797
70024188.....	785	70026211.....	771	70026393.....	251	70026570.....	797
70024189.....	785	70026212.....	771	70026394.....	251	70026571.....	797
70024202.....	799	70026213.....	771	70026395.....	253	70026572.....	785
70024210.....	407, 440	70026214.....	771	70026396.....	253	70026582.....	813, 1044
70024213.....	407	70026215.....	771	70026401.....	811	70026583.....	785
70024215.....	407	70026220.....	229	70026432.....	641	70026632.....	440
70024216.....	440	70026222.....	233	70026433.....	641	70026633.....	411
70024262.....	747	70026223.....	229	70026438.....	411, 440	70026698.....	109, 111
70024306.....	187	70026224.....	229, 233	70026439.....	411, 440	70026699.....	105
70024307.....	187	70026225.....	229, 233	70026440.....	807	70026745.....	191
70024407.....	785	70026226.....	229, 233	70026442.....	807	70026746.....	191
70024408.....	785	70026228.....	229, 233	70026443.....	807	70026747.....	105
70024414.....	785	70026229.....	229, 233	70026444.....	807	70026770.....	757
70024415.....	785	70026230.....	229, 233	70026445.....	807	70026771.....	757
70024416.....	785	70026231.....	229, 233	70026446.....	807	70026773.....	757
70024551.....	149	70026232.....	229, 233	70026453.....	229, 1044	70026774.....	757
70024552.....	149	70026233.....	233	70026456.....	755	70026775.....	757
70024679.....	151	70026234.....	233, 1044	70026457.....	755	70026800.....	233
70024684.....	151	70026235.....	229, 233	70026458.....	755	70026801.....	233, 1044
70024721.....	151, 155	70026236.....	229	70026459.....	755	70026944.....	105
70024733.....	159	70026237.....	229, 233, 1044	70026460.....	755	70026946.....	105
70024734.....	159	70026238.....	413, 441	70026461.....	755	70026948.....	105
70024759.....	151, 161	70026239.....	413, 442	70026462.....	755	70026949.....	105
70024761.....	151, 161	70026240.....	413	70026480.....	149	70027009.....	109
70024848.....	407	70026241.....	229, 233	70026481.....	155	70027024.....	559
70024849.....	407	70026244.....	299	70026482.....	155	70027026.....	559
70024850.....	413	70026245.....	299	70026503.....	159	70027027.....	559
70024851.....	413	70026247.....	299	70026515.....	335	70027028.....	559
70024881.....	441, 442	70026248.....	299	70026516.....	335, 337, 339, 371	70027030.....	559
70024895.....	365	70026257.....	653	70026517.....	337, 359, 363	70027032.....	559
70025335.....	409, 440	70026258.....	653	70026518.....	337	70027033.....	559
70025337.....	440	70026266.....	417, 427, 442	70026519.....	339	70027035.....	559
70025338.....	441	70026292.....	861, 1045	70026520.....	339	70027098.....	799
70025339.....	419, 441	70026293.....	873, 1045	70026521.....	339	70027105.....	441
70025353.....	202	70026294.....	939, 1045	70026527.....	341, 343, 345, 347, 349, 351	70027130.....	799
70025561.....	413, 441	70026295.....	939, 1045	70026528.....	341, 343, 345, 347, 349, 351	70027281.....	233
70025562.....	441	70026296.....	939, 1044	70026529.....	341, 343, 345, 347, 349, 351	70027642.....	127
70025606.....	747	70026297.....	939, 1044	70026530.....	783	70027705.....	299
70025614.....	755	70026300.....	783	70026531.....	345	70027706.....	299
70025816.....	637	70026301.....	783	70026532.....	349	70027758.....	783
70025817.....	637	70026302.....	751, 780, 783	70026533.....	351	70027951.....	202
70025844.....	653	70026303.....	751, 783	70026536.....	353, 379, 381	70028119.....	157
70025850.....	253, 1044	70026304.....	783	70026538.....	357	70028130.....	155
70025851.....	253, 1044	70026305.....	783	70026539.....	357	70028153.....	151, 161
70025852.....	251	70026308.....	783	70026540.....	751	70028154.....	151, 161
70025853.....	251	70026309.....	783	70026541.....	751	70028155.....	151, 161
70025855.....	413, 441	70026336.....	751			7002821.....	1049
70025856.....	419	70026353.....	277			7002822.....	1049
70025859.....	641	70026354.....	277			7002823.....	1049
70025860.....	641	70026355.....	277			7002828.....	1049

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

70028281	693, 1044	70029628	149	70029695	153	70029769	215
70028285	809	70029629	149	70029704	221	70029770	217
70028329	441	70029630	149	70029705	221	70029771	215
70028388	441	70029631	149	70029706	221	70029772	215
70028392	442	70029632	151	70029707	221	70029773	213
70028450	229	70029633	151	70029708	221	70029774	213
70028451	807	70029634	151	70029709	221	70029775	213
70028453	689, 693	70029635	151	70029710	221	70029776	213
70028478	799	70029636	151	70029711	221	70029777	211, 213
70028482	799	70029637	151	70029712	221	70029778	213
70028484	799	70029638	151	70029713	221	70029779	213
70028514	791	70029639	151	70029714	221	70029780	211, 213
70028515	791	70029640	151	70029715	221	70029781	211, 213
70028516	791	70029641	151	70029716	221	70029782	219
70028517	791	70029642	151	70029717	215	70029783	219
70028546	821	70029643	151	70029718	215	70029784	213
70028661	155	70029644	153	70029719	215	70029785	211
70028672	155	70029645	153	70029720	213	70029786	213
70028701	149, 161	70029646	153	70029721	213	70029787	217
70028702	149, 161	70029647	159	70029722	213	70029788	213
70028703	149, 161	70029648	149	70029723	213	70029789	215, 217
70028706	161	70029649	161	70029724	213	70029790	213
70028707	161	70029650	161	70029725	211, 213	70029791	221
70028708	161	70029651	161	70029726	213	70029792	211
70028768	155	70029652	161	70029727	219	70029793	213
70028882	442	70029653	161	70029728	213	70029794	211, 213
70029468	767	70029654	161	70029729	213	70029795	221
70029469	780	70029655	161	70029730	219	70029796	221
70029586	149	70029656	161	70029731	219	70029800	767
70029587	149	70029657	161	70029732	213, 221	70029801	767
70029588	149	70029658	161	70029733	221	70029802	767
70029592	159	70029659	155	70029734	211, 213, 221	70029803	767
70029593	159	70029660	155	70029735	211, 213	70029804	767
70029594	159	70029661	155	70029736	213	70029805	767
70029595	149, 155	70029662	155	70029737	221	70029816	799
70029596	157	70029663	155	70029738	211, 213	70029817	799
70029597	157, 1044	70029664	155	70029739	211, 213, 215, 217	70029818	799
70029598	157	70029665	155	70029740	211	70029819	799
70029599	157	70029666	155	70029741	213, 215, 217	70029820	799
70029600	157	70029667	155	70029742	211, 213	70029976	801
70029601	157	70029668	155	70029743	211, 213, 215	70029977	801
70029602	157	70029669	155	70029744	217	70030024	440
70029603	159	70029670	155	70029745	213	70030026	413, 442
70029604	159	70029671	155	70029746	215, 217	70030036	805
70029605	159	70029672	155	70029747	211, 213	70030100	801
70029606	159	70029673	155	70029748	217	70030101	801
70029607	159	70029674	155	70029749	215, 217	70030141	127
70029608	149	70029675	155	70029750	211	70030142	127
70029609	149	70029676	155	70029751	213	70030143	127
70029610	149	70029677	155	70029752	213	70030144	127
70029611	149	70029678	155	70029753	221	70030145	127
70029612	149	70029679	155	70029754	221	70030317	229
70029613	149	70029680	155	70029755	213	70030347	229
70029614	149	70029681	153	70029756	211, 213	70030388	761, 777
70029615	149	70029682	153	70029757	213	70030389	761, 777
70029616	149	70029683	153	70029758	221	70030390	777
70029617	149	70029684	153	70029759	221	70030391	761, 777
70029618	149	70029685	153	70029760	213	70030392	761, 777
70029619	149	70029686	153	70029761	215	70030393	761, 777
70029620	149	70029687	153	70029762	211, 213	70030394	761, 777
70029621	149	70029688	153	70029763	217	70030395	761
70029622	149	70029689	153	70029764	213	70031325	749
70029623	149	70029690	153	70029765	213	70031326	749
70029624	149	70029691	153	70029766	213	70031327	749
70029625	149	70029692	153	70029767	213	70031328	749
70029626	149	70029693	153	70029768	213	70031329	749
70029627	149	70029694	153			70031339	780

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

70031340.....780	7026765.....349	7138986.....57, 67	80983191..861, 873, 875, 913, 1044
70031341.....780	7026766.....349	7139918.....131	82033995.....239, 287
70031342.....780	7026769... 349, 355, 383, 385	7150580.....391, 393	8220035.....823
70031343.....780	7026771.....355	7300435.....235	8220050.....961
70031350.....229	7026772.....355	7301295.....131	8220051.....879, 948
70031351.....229	7026773.....355	7301408.....171	8220097.....912
70031352.....229	7026774.....355	77133137.....683, 709	8220098.....912
70031380.....229	7026775.....355	77133139.....683	8220108.....823, 901
70031440.....155	7026776.....357	77133168.....703	8220116.....947
70031441.....155	7026780.....357	77363244.....927, 983	8220124.....912, 916
70031443.....131	7026781.....357	8000759.....521	8220375.....865
70031444.....127	7026782.....361	8000803.....523	8229234.....826
70031445.....109, 111	7026783.....361	8004398.....521	8229235.....825, 1044
70031446.....123	7026784.....361	8008175.....409, 440	8229242... 861, 873, 913, 1044
70031447.....155	7026787.....359	80204002.....409, 440	8229244... 875, 913, 939, 1044
70031450.....655	7026788.....359	80204005 . 409, 413, 440, 441	8229245... 861, 939, 1044
70031451.....655	7026789.....359	80204012.....413	8229247... 873, 939, 1044
70031452.....655	7026791.....363	80204033.....411, 440	8229261.....825, 1044
70031453.....655	7026792.....339, 363	80204035.....411, 440	8275212.....283, 289
70041616.....229, 233	7026793.....363	80204043.....411, 440	8278020.....263, 265
70041617.....229, 233	7026794.....339, 363	80204048.....411	8303620.... 451, 455, 463
70041619.....229, 233	7026798.....559	80204060.....407	8303634.....131, 141
70041620.....229, 233	7027254.....369	80204065.....413, 441	8303658.....131
7004275.....1049	7027255.....369	80204071.....413, 441	8303715.....141
7004276.....1049	7027267.....349	80204076.....413, 441	8305624.....131
70050472.....799	7027269.....383	80204108.....407	8305643.....131, 141
70050481.....799	7027270.....383	80204117 . 407, 427, 440, 442	8305645.... 451, 455, 463
70050504.....799	7027271.....385	80204143.....415, 442	8305919... 255, 545, 594, 598, 607, 829, 833
70050507.....799	7027272.....385	80204144.....415, 442	8307110.... 451, 455, 463
70050508.....799	7027273.....387	80204281.....407, 440	8307904.....141
7012510.....807	7028714.....413, 441	80233218.....685, 687	8307918.....141
7016654.....1049	7028715.....413, 441	80304227.....349	8310160.....141
7022390.....693, 805	7028716.....413, 441	80304394 . 339, 355, 363	8310161.....141
7022399.....807	7028733... 413, 441, 442	80304405.....335	8310302.....131
7024808.....807	7029127.....415, 442	80334277.....785	8310435.....131
7024939.....785	7029267.....357, 359	8033786.....749	8310559.....535
7024943.....785	7029288.....409, 440	8034697.....799	8310620.....49
7024944.....785	7029290.....427, 442	8035382.....799	8310686.... 698, 987, 989
7024953.....785	7029298.....407	8035779.....393	8405006.... 685, 687, 698
7024954.....785	7029300.....413	8036190.....345, 347	8405007.... 273, 325, 698
7026490.....415, 442	7029307.....409, 440	8036250.....363	8405009... 271, 273, 291, 639
7026577.....381	7029309.....413	80363179 . 927, 975, 977, 983	8405101.....271, 273
7026578.....381	7029486.....591, 1035	8036433.....393	8405201.... 271, 273, 598
7026731.... 421, 425, 441	7029520.....193	8036528.....357, 359	8405202.....271, 273
7026744.....331	7029521.....193	8036529.....357	8405209.....698
7026745.....331	7029692.....111, 123	8036733.....757	8405212.... 261, 267, 269
7026746.....333	7029711.....127	8036847.....337, 339	8405305.... 261, 267, 269
7026747.....335	7029714.....123	8037140.....771	8405402.....247
7026748.....335	7029733.....413, 425	80604016.....983	8406102.....245
7026749.....335	7029734.....407, 440	80604018 . 927, 983, 985, 997	8406105.....923
7026750.....337	7029735.....407, 440	80604020.....967	8406112.....304, 308
7026751.....337	7029789.....407	80604021.....927	8406201... 239, 905, 909, 941, 943
7026752.....337	7029849... 341, 343, 345, 347, 349, 351	80604022.....983	8410007.....259
7026753.....339	7029850... 341, 343, 345, 347, 349, 351	80604025.....927	8410009... 239, 287, 565, 568, 698
7026754.....339	7029852... 341, 343, 345, 347, 349, 351	806253.....477	8410011.....257, 259
7026755.....339	7029972.....339	806264.....477	8410013.... 271, 273, 287
7026756.....339	7029973.....337	80634004.....785	8410019.....273
7026757.....341	7062922.....141	8065062.....141	8420053... 109, 127, 131, 133, 137, 141, 143, 155, 201
7026758... 341, 343, 345, 347, 349, 351	7110702.....141	80933113.....705	
7026759... 341, 343, 345, 347, 349, 351	7110712.....141	80933367.....257, 259	
7026760... 341, 343, 345, 347, 349, 351	7110722.....141	80963067.....913	
7026761... 341, 343, 345, 347, 349, 351	7138978.....67		
7026762.....343	7138979.....67		

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

8420055 ... 109, 127, 131, 133, 137, 141, 143, 155, 201	88671001 .. 133, 137, 143	91403413..109, 127, 131, 133, 137, 141, 143, 155, 197, 201, 677, 679	91514133 411, 440
8424217 707	8880218-OM..... 391, 395	91403414..109, 127, 131, 133, 137, 141, 143, 155, 196, 201, 677, 679	91514134 411, 440
8424233 698	8881802 301	91403448.....107	91514143 419
8430032 ... 707, 709, 725, 729	8902842 749	91413025.....257, 259	91514146 413, 441
8430033 725, 729	90200003 . 129, 131, 133, 135, 137, 139, 141, 143	91473206..457, 459, 461, 463	91514147 413, 441
8430034 317	90206195 289	91474512.....409, 440	91514148 413, 441
8466306 553	90206198 23	91474524.....413	91514149 413, 441
8546407 698	90451058 131	91504107.....927, 975	91514151 407
8580315 141	90554016 . 105, 109, 111, 123, 127, 191	91513266.....475, 491	91514152 407
8584001 141	90554017 123, 127	91514081.....413, 441	91514153 407
8584003 897	90554018 123	91514082.....413, 441	91514154 407, 440
8630003 131	90554020 .. 109, 111, 127	91514083.....413	91514156 407
8642207 141	90554033 105	91514084.....413	91514157 407
86683122 955	90554034 105	91514087...409, 413, 440	91514158 407
86683211 289	90554042 109, 111	91514089..407, 409, 413, 440	91514159 407, 440
86883127 289	90554045 745, 763	91514090.....427, 442	91514161 407, 440
8750016 709	90554054 109, 111	91514095.....413, 441	91514165 407, 440
8750029 698	90554062 111, 123	91514098.....409, 440	91514167 407
8750030 698	90554065 123, 127	91514099.....413, 427	91514174 413, 441
8769132 141	90554067 127	91514101.....409, 440	91514175 .. 421, 423, 441
8769146 698	90554076 111, 123	91514111.....441	91514177 .. 421, 423, 441
8769153 698	90554080 193	91514112.....413, 441	91514178 413, 441
8770016 141	91013191 951	91514117.....413	91514179 413, 441
8770120 685, 687	91013192 946	91514118.....475, 491	91514180 413, 441
8770215 743, 765	91043084 459	91514123...411, 413, 440	91514181 413, 441
8770296 677, 679	91043125 .. 197, 677, 679	91514130.....411, 440	91514183 413, 441
8786514 ... 449, 451, 453, 455, 457, 459, 461, 463	91043126 .. 196, 677, 679	91514131.....411, 440	91514184 .. 421, 425, 441
8841322 371	91053419 261		91514185 .. 421, 425, 441
88662434 699	91355037 459		91514186 .. 421, 425, 441
	91355038 459		91514188 413, 441
	91403193 397		91514189 413, 441
			91554019 927
			91561240 741



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